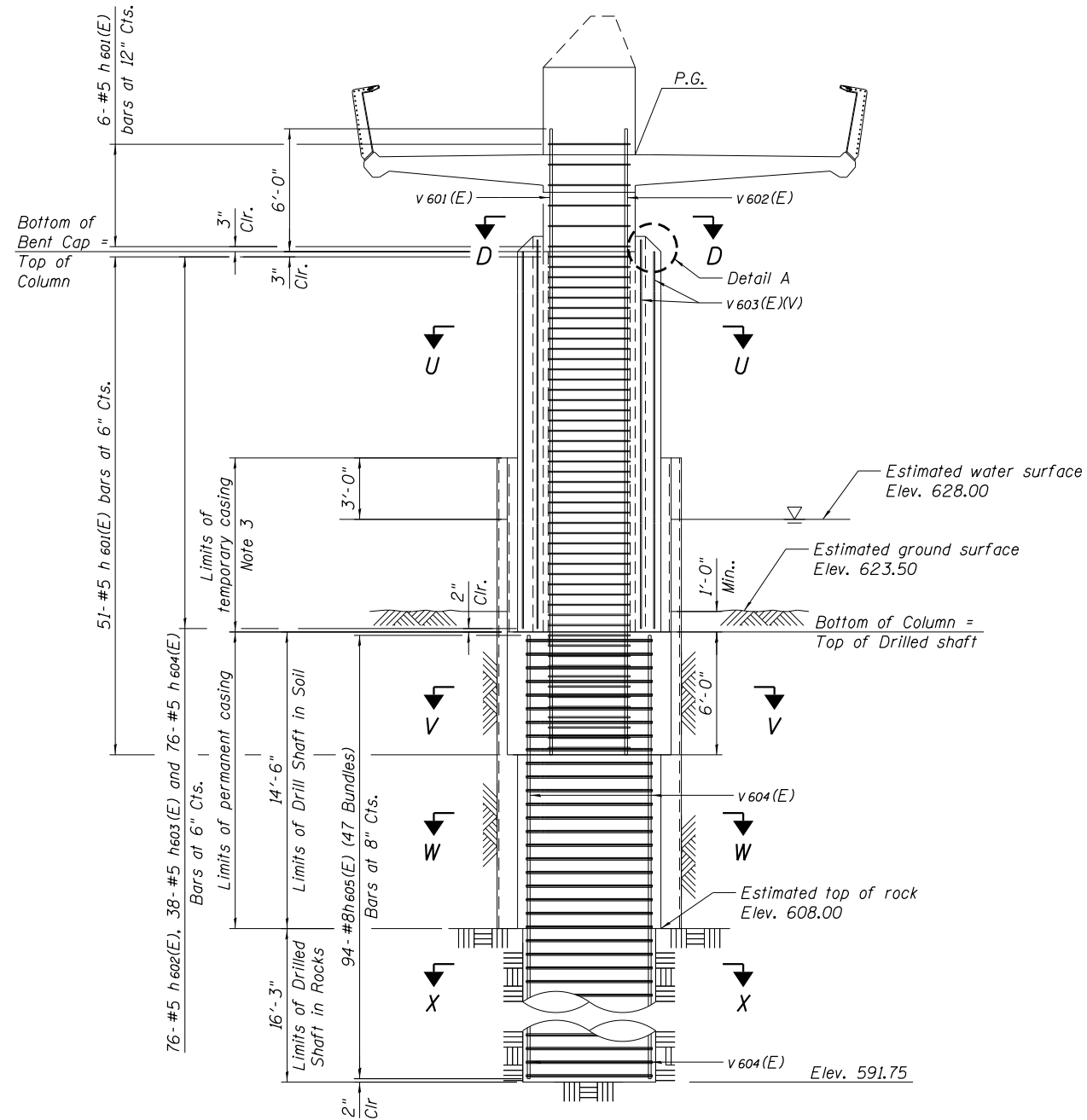
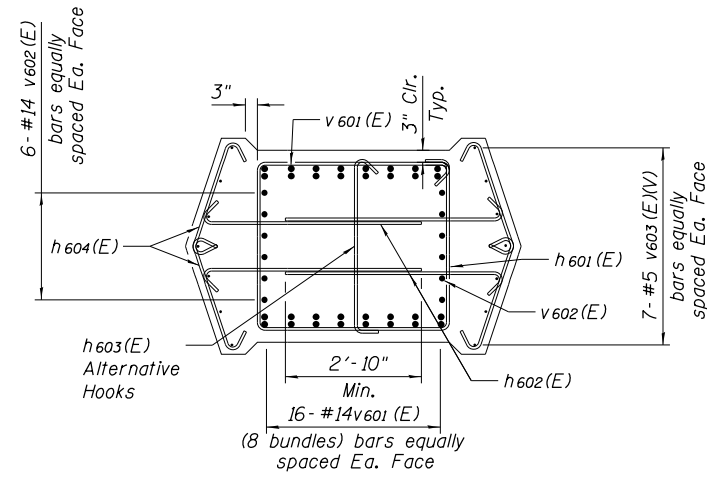


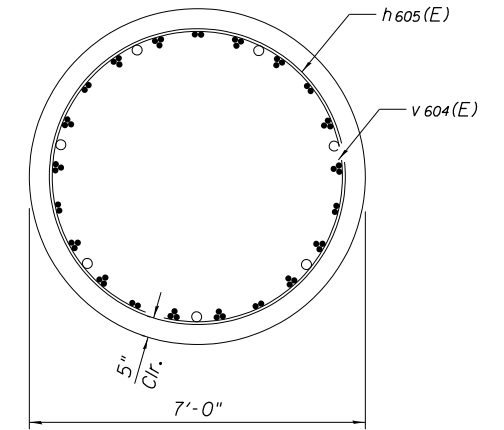
FILE NAME = 045P008-XXXX-040-PIER06DET.dgn



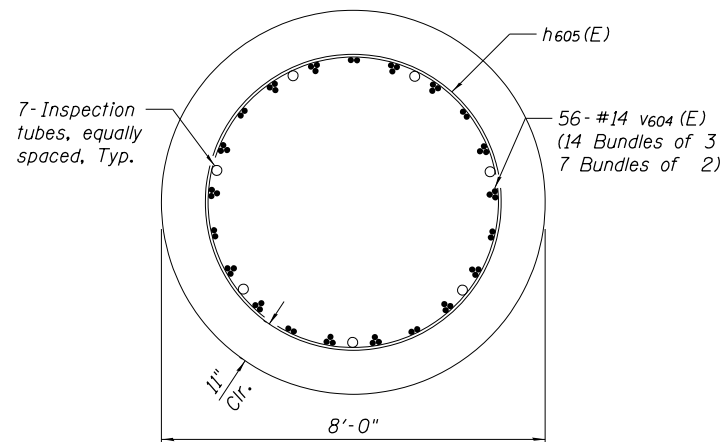
ELEVATION Sta. 107+85.00



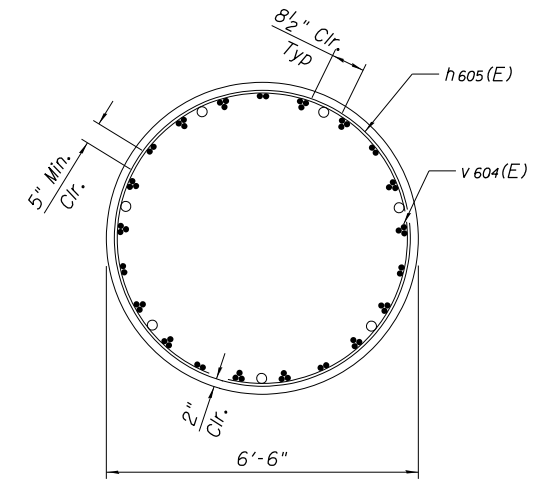
U-U COLUMN SECTION



W-W LOWER PILE SECTION



V-V UPPER PILE SECTION



X-X ROCK SOCKET

NOTES:

- For "U-U COLUMN SECTION" dimensions, "DETAIL A" and "SECTION D-D", see "PIER 1 DETAILS" sheet.
- For Architectural treatment details and limits see "ARCHITECTURAL DETAILS 4" sheet.
- Temporary casing shall be removed after column concrete is set.
- For bar shapes, see "PIER 2 DETAILS" sheet.

PIER 6 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h601(E)	57	#5	15'-9"	□
h602(E)	76	#5	9'-7"	┌┐
h603(E)	38	#5	4'-3"	┌┐
h604(E)	76	#5	6'-0"	┌┐
h605(E)	94	#8	19'-2"	○
v601(E)	32	#14	30'-7"	—
v602(E)	12	#14	30'-7"	—
v603(E) Min	14	#5	18'-7"	—
v603(E) Max	14	#5	19'-2"	—
v604(E)	56	#14	30'-5"	—
Concrete Structures			Cu. Yd.	18.1
Reinforcement Bars, Epoxy Coated			Pound	30,747
Drilled Shaft in Soil			Cu. Yd.	23.3
Drilled Shaft in Rock			Cu. Yd.	20.0
Permanent Casing			Foot	14.5
Crosshole Sonic Logging Testing			Each	1
Crosshole Sonic Logging Access Duct			Foot	31

TYLIN INTERNATIONAL

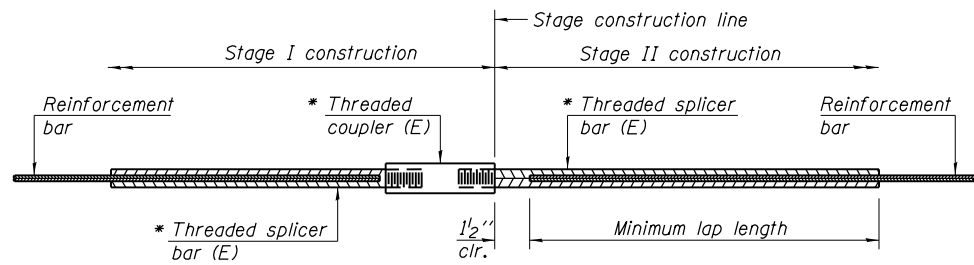
USER NAME = RSTONE	DESIGNED - E. Modarres	REVISED - -
PLOT SCALE = NO SCALE	CHECKED - P. Frey	REVISED - -
PLOT DATE = 10/19/2017	DRAWN - I. Martin	REVISED - -
	CHECKED - D. Fitzwilliam	REVISED - -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 6 DETAILS
STRUCTURE NO. 045-P008

SHEET NO. S-40 OF S-69 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	201
CONTRACT NO.			61E18	
ILLINOIS FED. AID PROJECT				

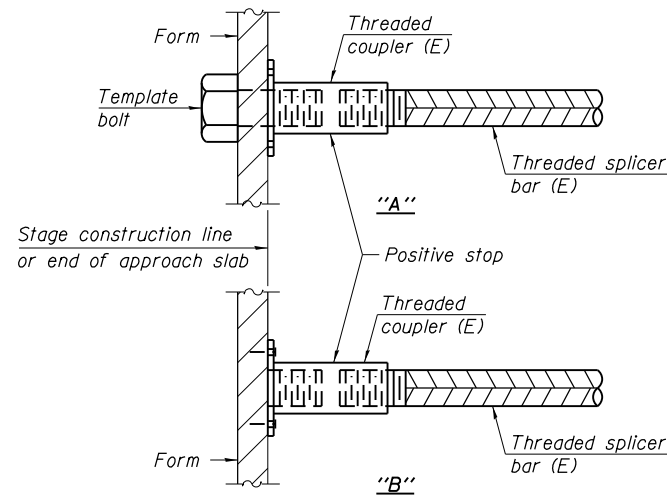


STANDARD BAR SPLICER ASSEMBLY

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

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

Location	Bar size	No. assemblies required	Minimum lap length

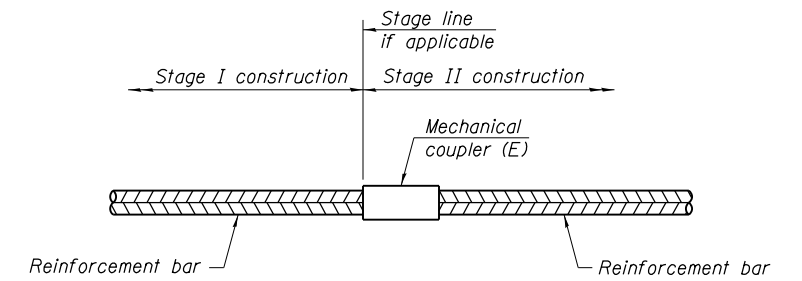


INSTALLATION AND SETTING METHODS

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

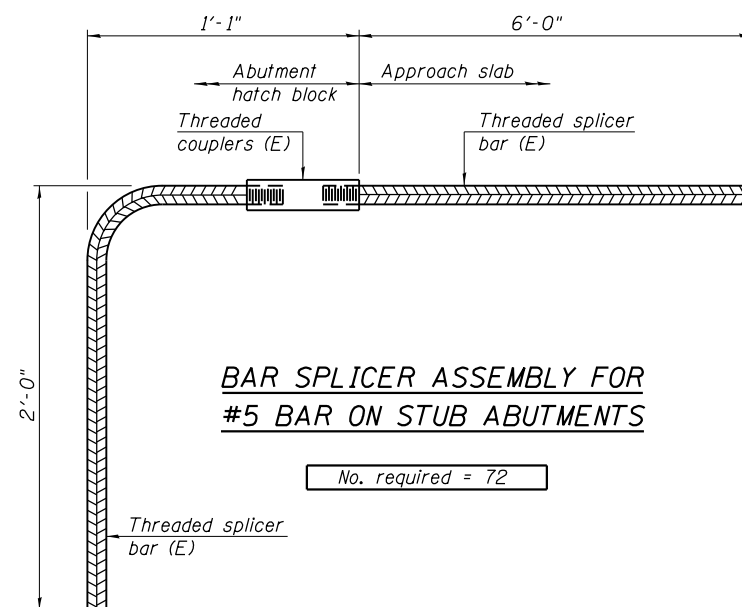
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required = 72

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.

FILE NAME = 045P008-XXXX-041-BARSPLICEDET.dgn

TY-LIN INTERNATIONAL

USER NAME = RSTONE	DESIGNED - E. Modarres	REVISED - -
PLOT SCALE = NO SCALE	CHECKED - P. Frey	REVISED - -
PLOT DATE = 10/19/2017	DRAWN - O. Colcol	REVISED - -
	CHECKED - D. Fitzwilliam	REVISED - -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAR SPLICE ASSEMBLY & MECHANICAL SPLICER DETAILS
STRUCTURE NO. 045-P008**

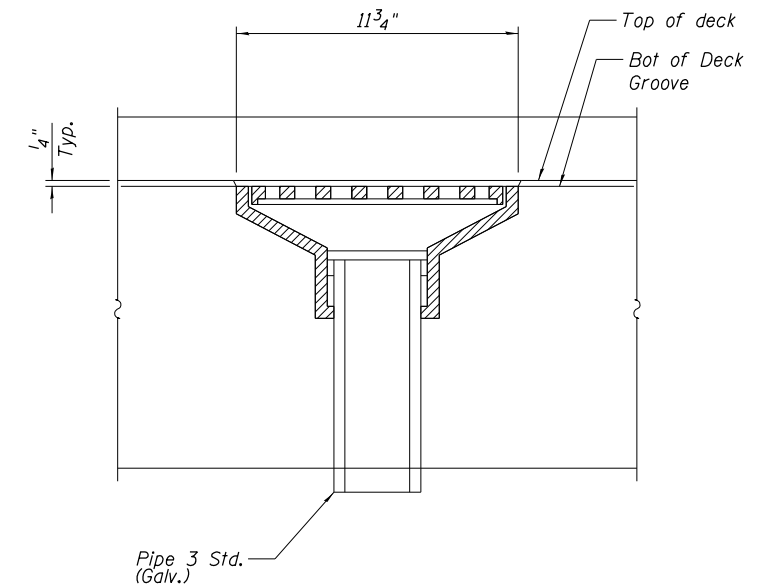
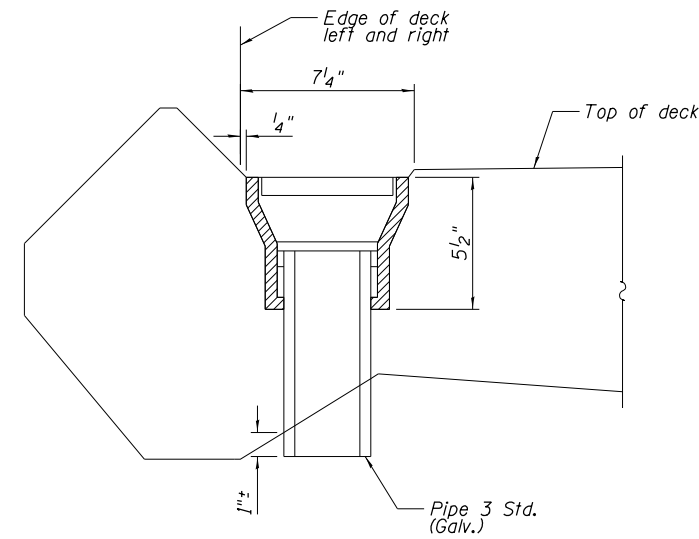
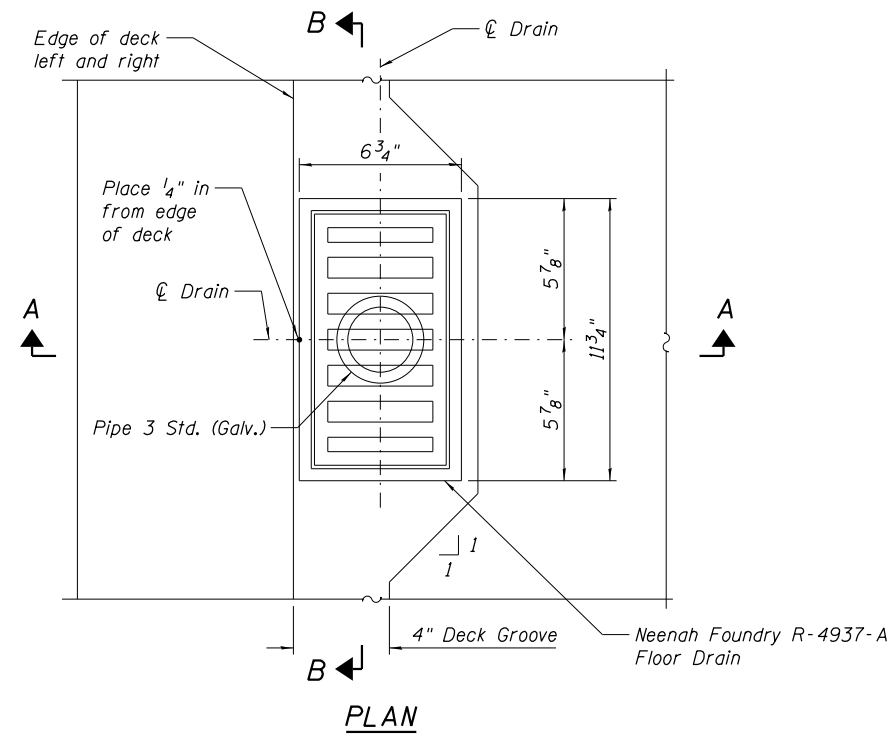
SHEET NO. S-41 OF S-69 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	202
CONTRACT NO.			61E18	
ILLINOIS FED. AID PROJECT				

- Notes:
- For reinforcement not shown, see "SUPERSTRUCTURE 1" and "SUPERSTRUCTURE 2" sheets.
 - For deck groove details see "ARCHITECTURAL DETAILS 2" sheet.

DECK DRAIN LOCATION

NO.	STATION MEASURED ALONG PG LINE
1	101+45.00 Lt.
2	101+45.00 Rt.
3	102+05.00 Lt.
4	102+05.00 Rt.
5	102+65.00 Lt.
6	102+65.00 Rt.
7	103+19.00 Lt.
8	103+19.00 Rt.
9	103+73.00 Lt.
10	103+73.00 Rt.
11	104+27.00 Lt.
12	104+27.00 Rt.
13	104+75.00 Lt.
14	104+75.00 Rt.
15	105+05.00 Lt.
16	105+05.00 Rt.
17	105+35.00 Lt.
18	105+35.00 Rt.
19	105+83.00 Lt.
20	105+83.00 Rt.
21	106+37.00 Lt.
22	106+37.00 Rt.
23	106+91.00 Lt.
24	106+91.00 Rt.
25	107+45.00 Lt.
26	107+45.00 Rt.
27	108+05.00 Lt.
28	108+05.00 Rt.
29	108+65.00 Lt.
30	108+65.00 Rt.



FILE NAME = 045P008-XXXX-042-DECKDRAINDET.dgn

TY-LIN INTERNATIONAL

USER NAME = RSTONE	DESIGNED - E. Modarres	REVISED - -
PLOT SCALE = NO SCALE	CHECKED - P. Frey	REVISED - -
PLOT DATE = 10/19/2017	DRAWN - Y. Wang	REVISED - -
	CHECKED - D. Fitzwilliam	REVISED - -

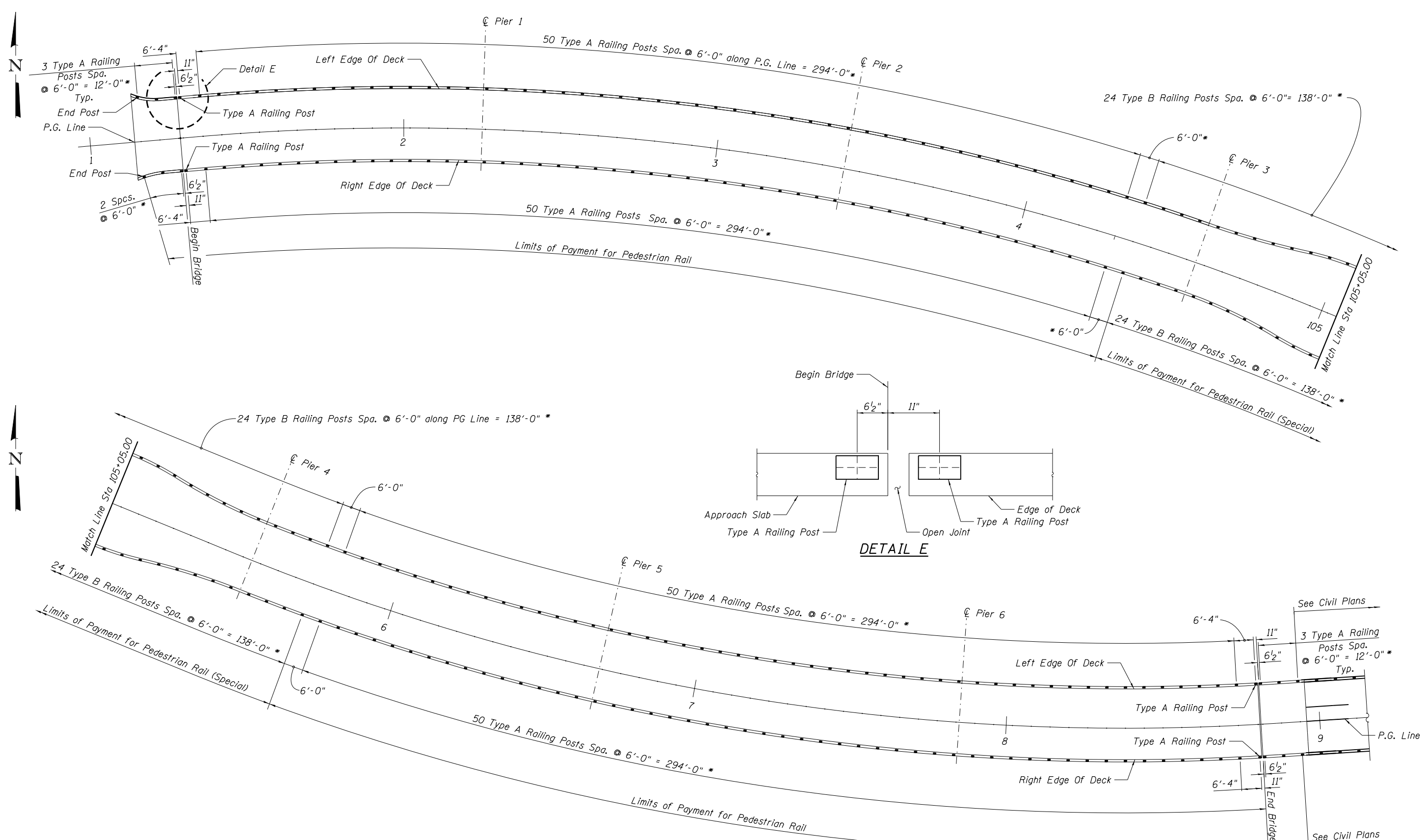
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK DRAIN DETAILS
STRUCTURE NO. 045-P008**

SHEET NO. S-42 OF S-69 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	203
CONTRACT NO.			61E18	

ILLINOIS FED. AID PROJECT



BILL OF MATERIAL

ITEM	UNIT	TOTAL
Pedestrian Rail	Foot	1279
Pedestrian Rail (Special)	Foot	276

Note:
* All distances are measured along Profile Grade line.

RAILING PLAN

FILE NAME = 045P008-XXXX-043-RAILINGLAYOUT01.dgn

TYLIN INTERNATIONAL

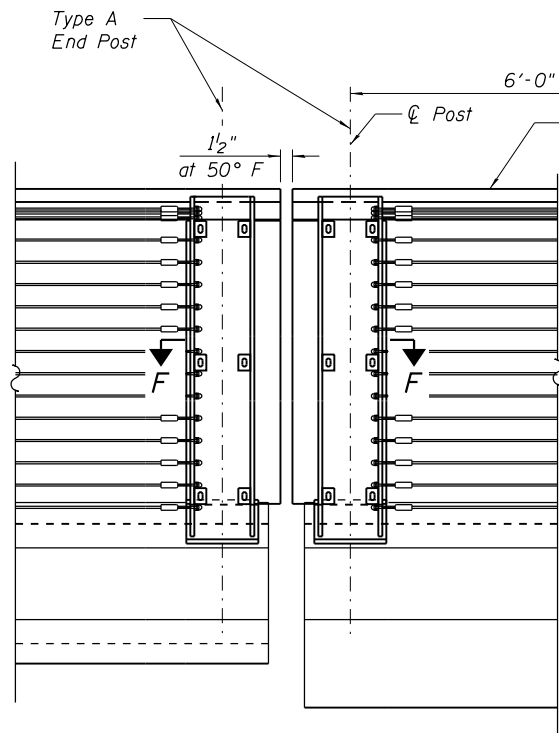
USER NAME = RSTONE	DESIGNED - E. Modarres	REVISED - -
PLOT SCALE = NO SCALE	CHECKED - P. Frey	REVISED - -
PLOT DATE = 10/19/2017	DRAWN - R. Elwood	REVISED - -
	CHECKED - D. Fitzwilliam	REVISED - -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

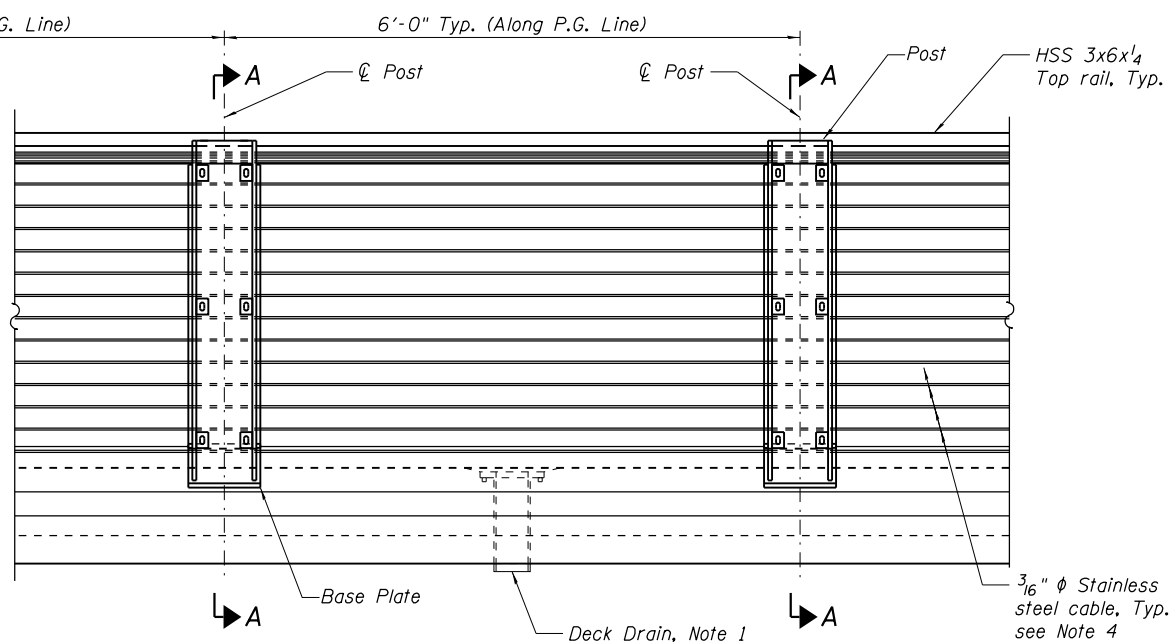
**RAILING LAYOUT
STRUCTURE NO. 045-P008**

SHEET NO. S-43 OF S-69 SHEETS

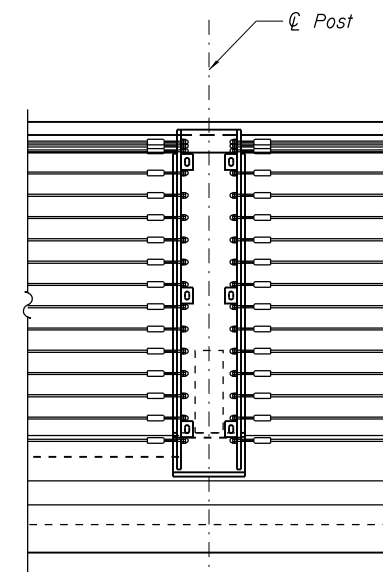
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	204
CONTRACT NO.			61E18	
ILLINOIS FED. AID PROJECT				



RAILING ELEVATION AT BEGINNING/END BRIDGE



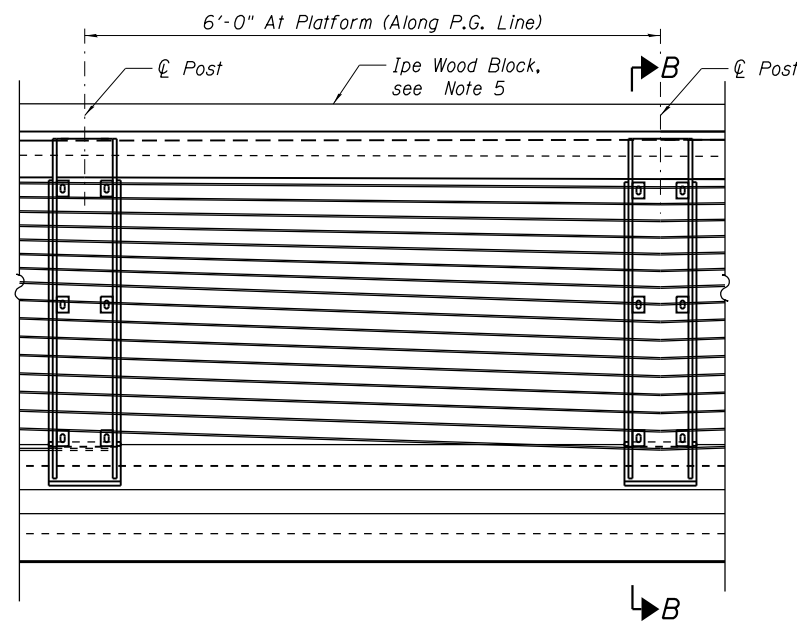
RAILING TYPICAL ELEVATION



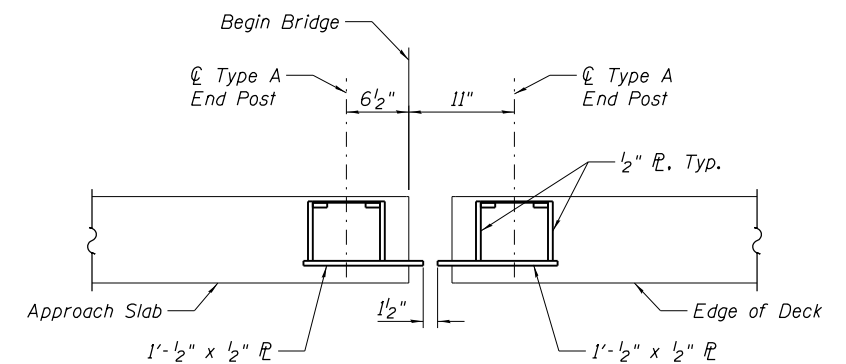
RAILING ELEVATION AT POSTS WITH LED DRIVER

NOTES:

1. For deck drain details, see "DECK DRAIN DETAILS" sheet.
2. For "SECTION A-A" and "SECTION B-B" details, see "RAILING DETAILS 2" sheet.
3. For rectangular HSS section termination at Begin and End bridge, see "RAILING DETAILS 4" sheet.
4. Stainless steel cables shall be isolated from galvanized post.
5. Terminate Ipe wood block section at first and last Type B post.



RAILING ELEVATION AT PLATFORM



SECTION F-F

FILE NAME = 045P008-XXXX-044-RAILINGDET01.dgn

TYLIN INTERNATIONAL

USER NAME = RSTONE	DESIGNED - E. Modarres	REVISED - -
	CHECKED - P. Frey	REVISED - -
PLOT SCALE = NO SCALE	DRAWN - R. Elwood	REVISED - -
PLOT DATE = 10/19/2017	CHECKED - D. Fitzwilliam	REVISED - -

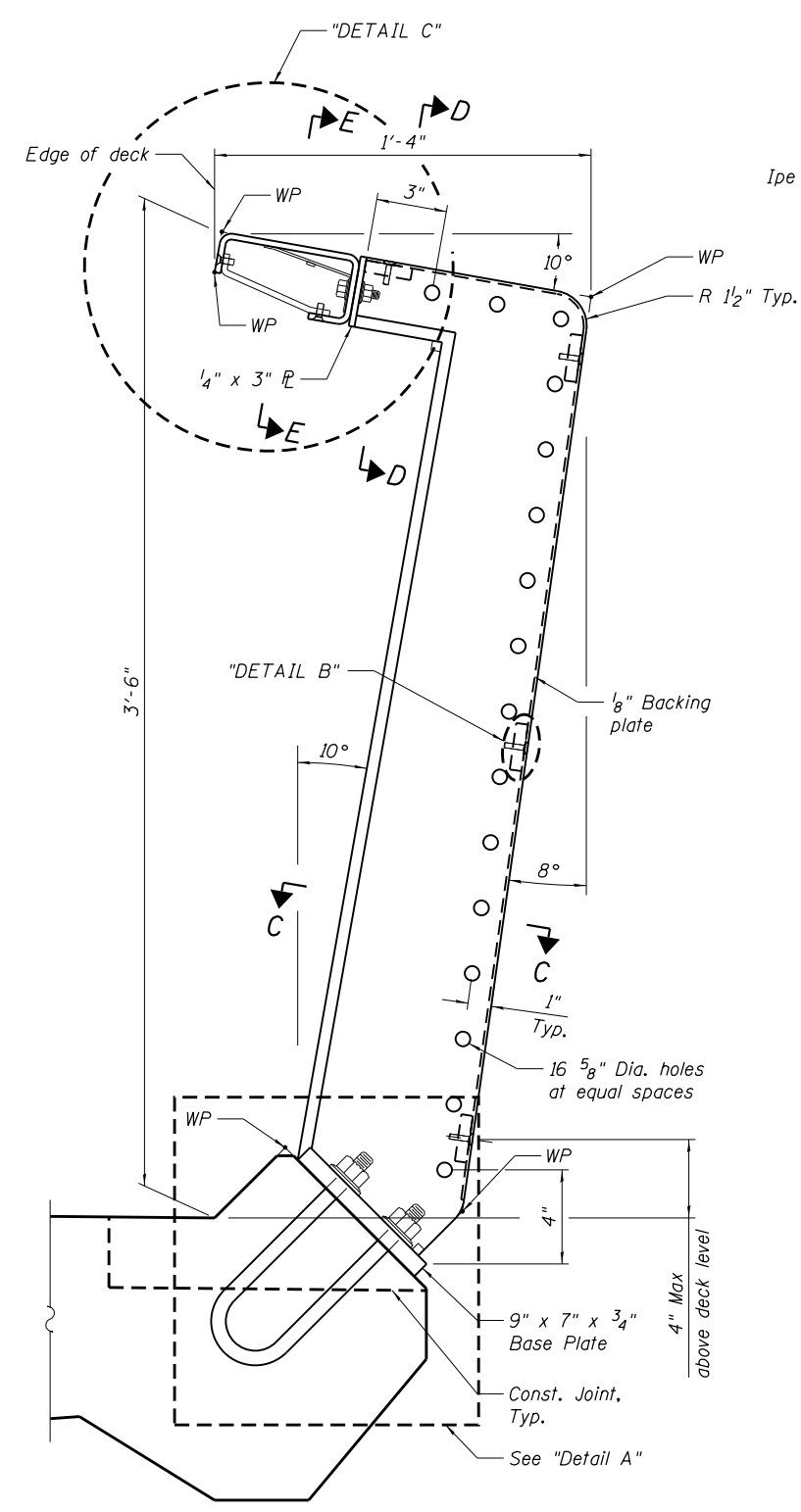
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RAILING DETAILS 1
STRUCTURE NO. 045-P008**

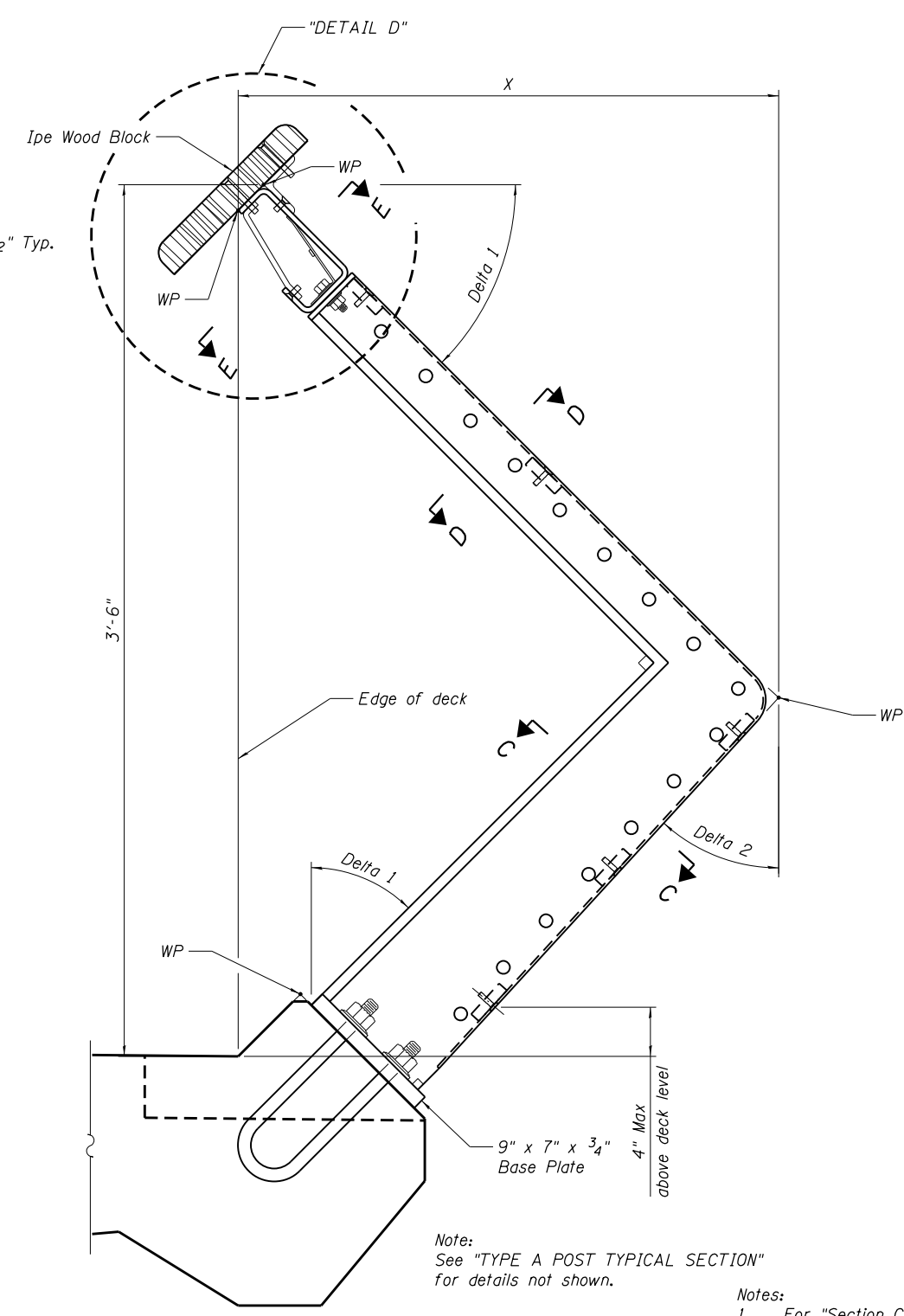
SHEET NO. S-44 OF S-69 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	205
CONTRACT NO.			61E18	
ILLINOIS FED. AID PROJECT				

FILE NAME = 045P008-XXXX-045-RAILINGDET02.dgn



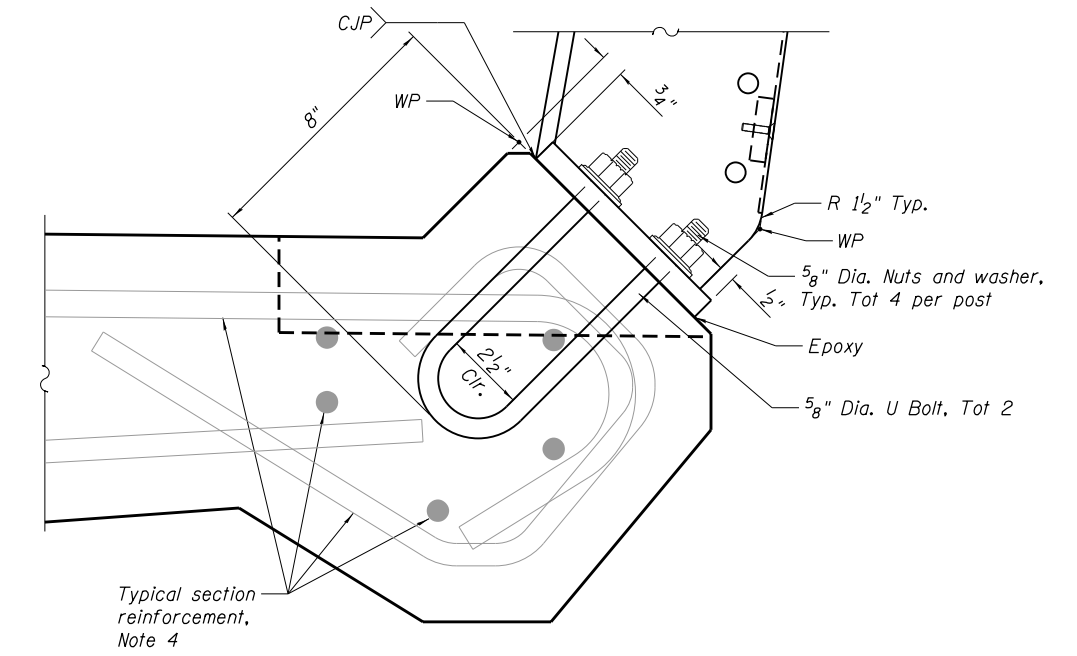
TYPE A POST TYPICAL SECTION
SECTION A-A



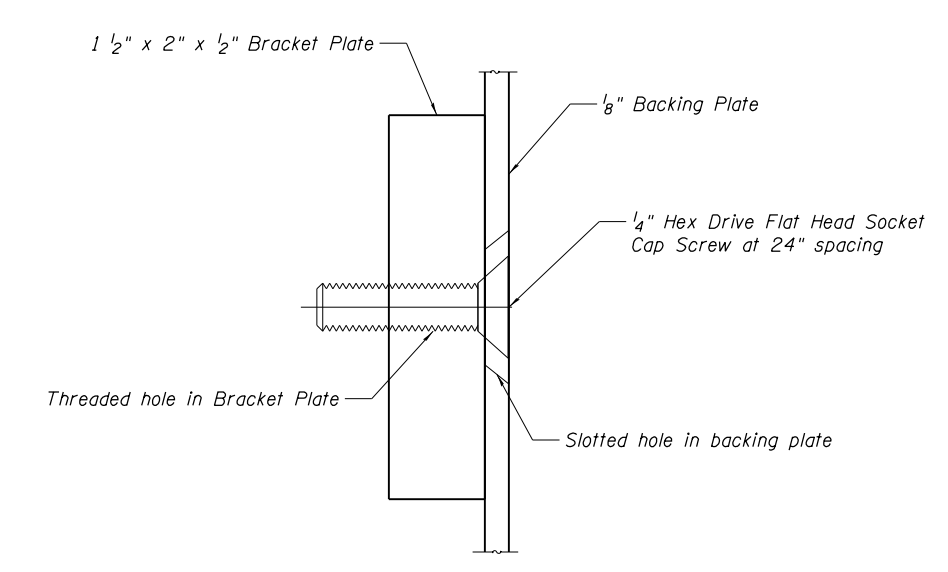
TYPE B POST TYPICAL SECTION
SECTION B-B

Note:
See "TYPE A POST TYPICAL SECTION"
for details not shown.

- Notes:
1. For "Section C-C", "Section D-D", "Detail C" and "Detail D", see "RAILING DETAILS 3" sheet.
 2. For dimensions "X", "Delta 1", & "Delta 2" and "SECTION E-E", see "RAILING DETAILS 4" sheet.
 3. Bracket plates to be equally spaced along posts with maximum spacing 24".
 4. For typical section reinforcement, see "SUPERSTRUCTURE 1" sheet.



DETAIL A



DETAIL B



USER NAME = RSTONE	DESIGNED - E. Modarres	REVISED - -
PLOT SCALE = NO SCALE	CHECKED - P. Frey	REVISED - -
PLOT DATE = 10/19/2017	DRAWN - R. Elwood	REVISED - -
	CHECKED - D. Fitzwilliam	REVISED - -

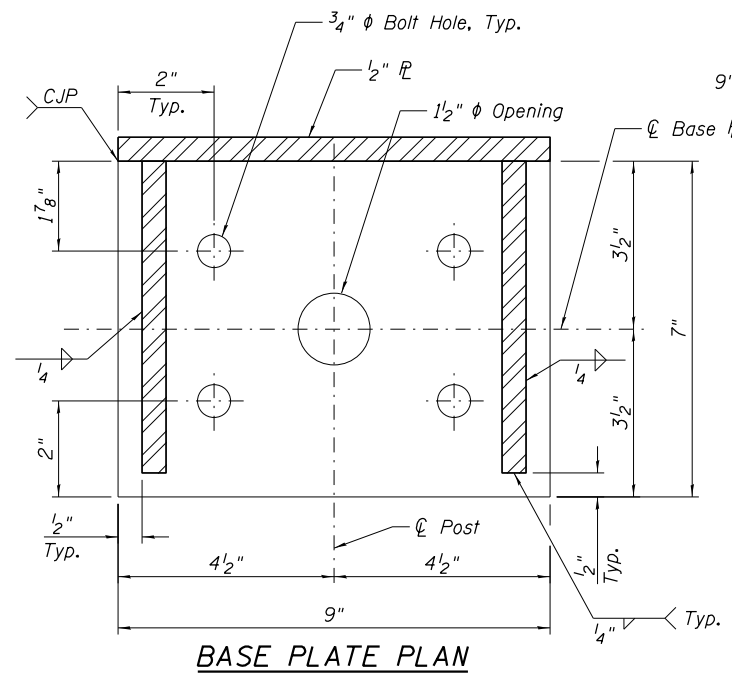
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAILING DETAILS 2
STRUCTURE NO. 045-P008

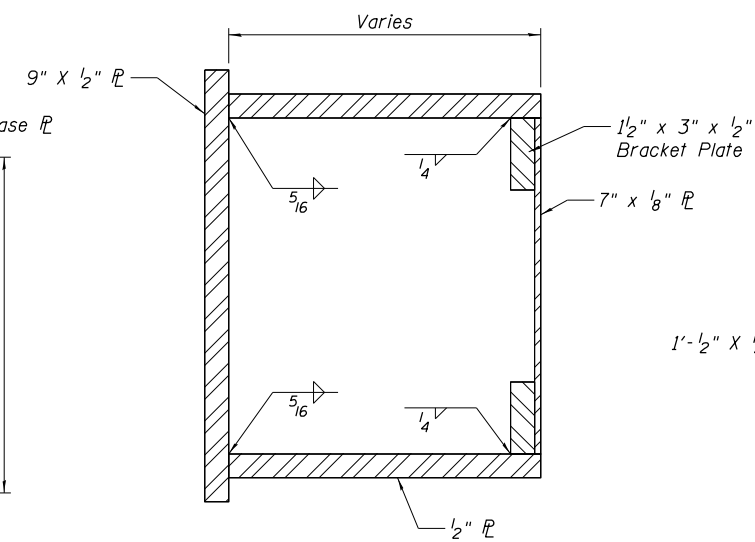
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	206
CONTRACT NO.				61E18

SHEET NO. S-45 OF S-69 SHEETS

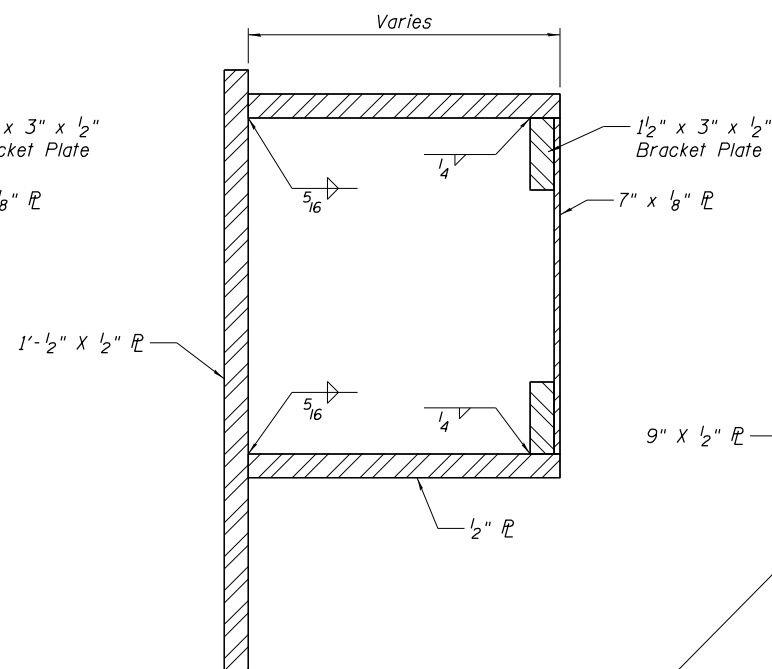
ILLINOIS FED. AID PROJECT



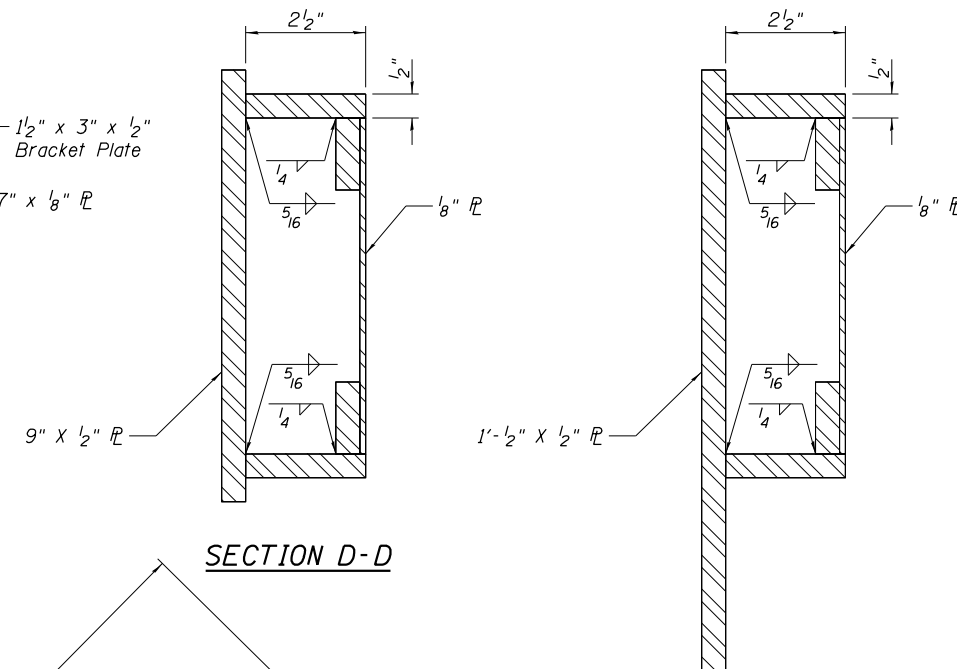
BASE PLATE PLAN



SECTION C-C

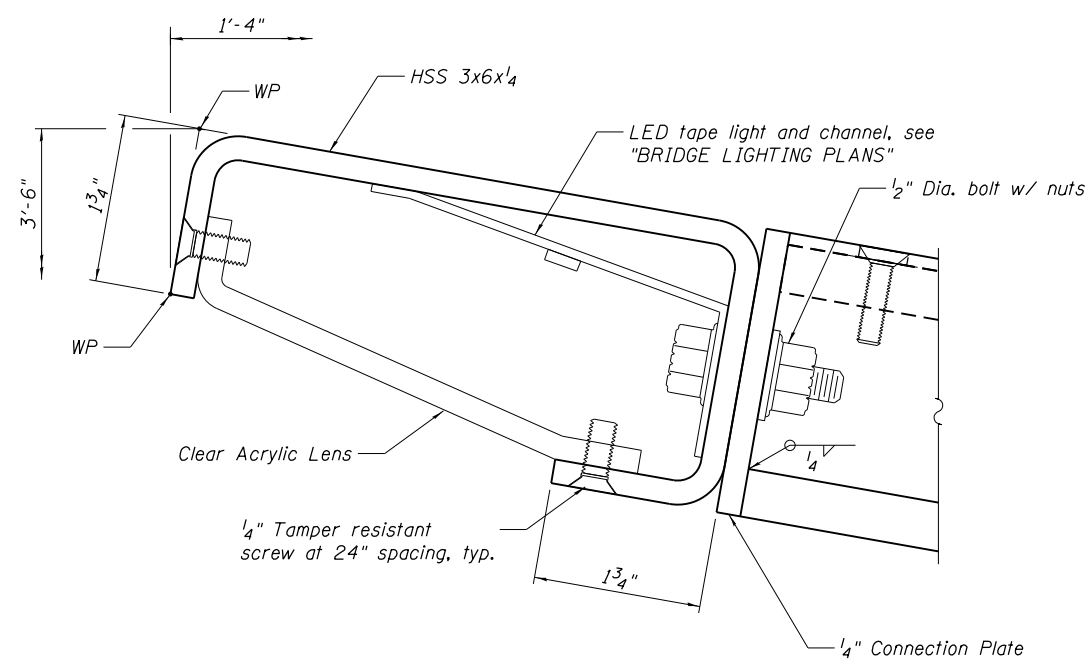


SECTION C-C
(Section at Begin Bridge and End Bridge)

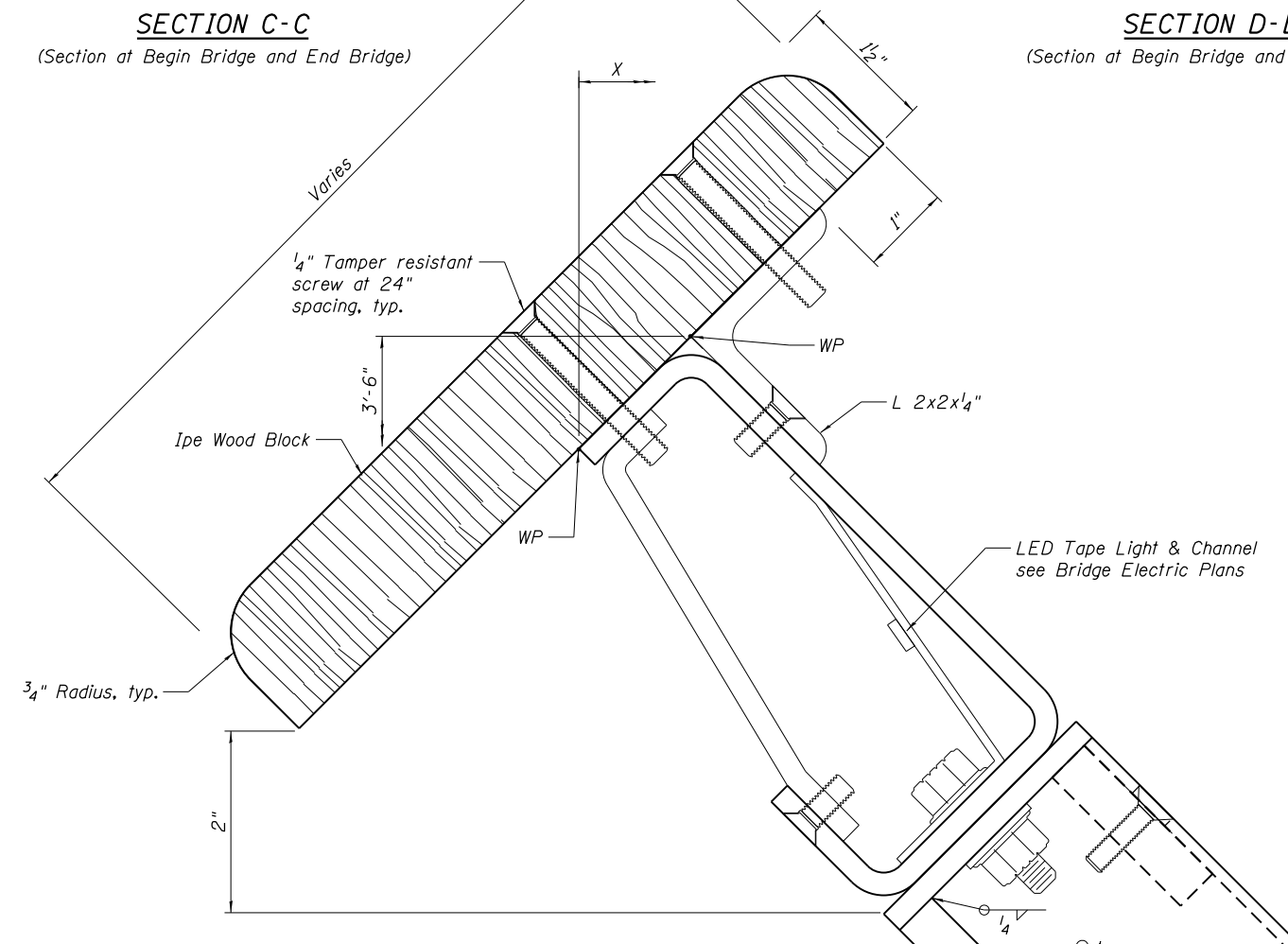


SECTION D-D

SECTION D-D
(Section at Begin Bridge and End Bridge)



DETAIL C



DETAIL D

Note:
See "DETAIL C" for details not shown.

FILE NAME = 045P008-XXXX-046-RAILINGDET03.dgn

TYLIN INTERNATIONAL

USER NAME = RSTONE	DESIGNED - E. Modarres	REVISED - -
PLOT SCALE = NO SCALE	CHECKED - P. Frey	REVISED - -
PLOT DATE = 10/19/2017	DRAWN - R. Elwood	REVISED - -
	CHECKED - D. Fitzwilliam	REVISED - -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAILING DETAILS 3
STRUCTURE NO. 045-P008

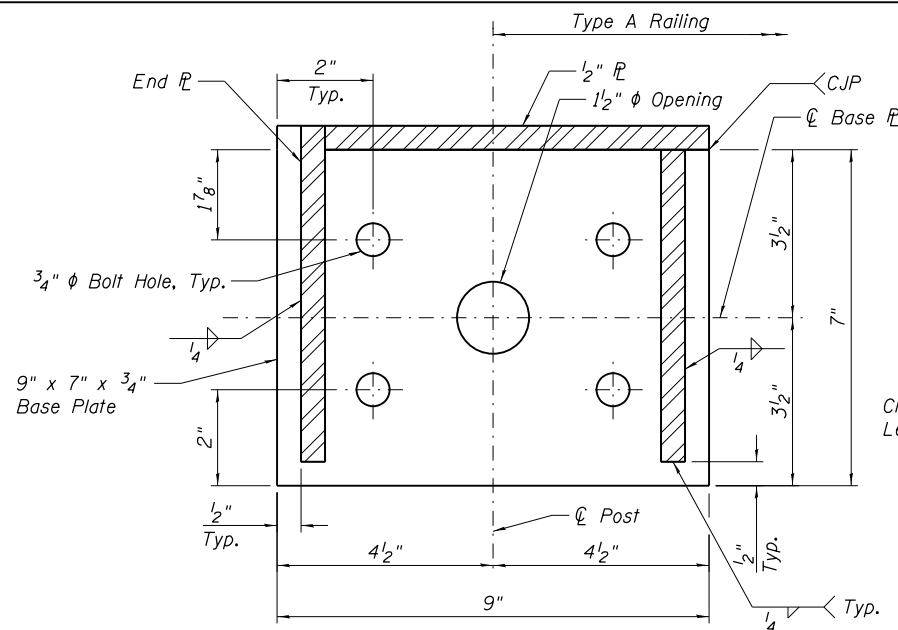
SHEET NO. S-46 OF S-69 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	207
CONTRACT NO.			61E18	

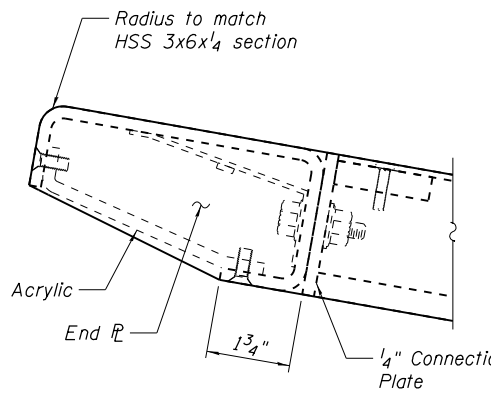
ILLINOIS FED. AID PROJECT

TYPE B POST INFORMATION

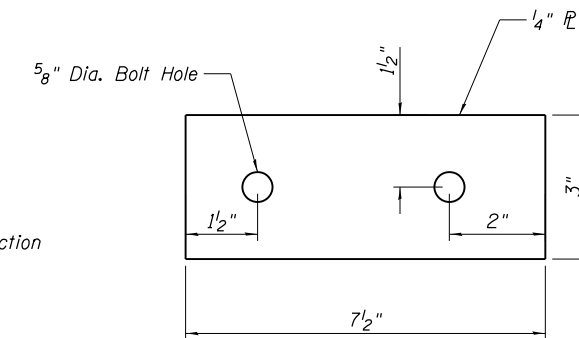
POST NO.	STATION MEASURED ALONG PG LINE	X	DELTA 1	DELTA 2
1	104+36.00	1'-4 1/2"	10.5	9.0
2	104+42.00	1'-5"	11.0	10.0
3	104+48.00	1'-5 1/2"	12.0	11.0
4	104+54.00	1'-6"	14.0	12.0
5	104+60.00	1'-7"	16.0	14.0
6	104+66.00	1'-8"	19.0	16.0
7	104+72.00	1'-9"	22.0	18.0
8	104+78.00	1'-11"	25.0	22.0
9	104+84.00	2'-0 1/2"	30.0	27.0
10	104+90.00	2'-1 1/2"	35.0	32.0
11	104+96.00	2'-2"	40.0	37.0
12	105+02.00	2'-2"	45.0	42.5
13	105+08.00	2'-2"	45.0	42.5
14	105+14.00	2'-2"	40.0	37.0
15	105+20.00	2'-1 1/2"	35.0	32.0
16	105+26.00	2'-0 1/2"	30.0	27.0
17	105+32.00	1'-11"	25.0	22.0
18	105+38.00	1'-9"	22.0	18.0
19	105+44.00	1'-8"	19.0	16.0
20	105+50.00	1'-7"	16.0	14.0
21	105+56.00	1'-6"	14.0	12.0
22	105+62.00	1'-5 1/2"	12.0	11.0
23	105+68.00	1'-5"	11.0	10.0
24	105+74.00	1'-4 1/2"	10.5	9.0



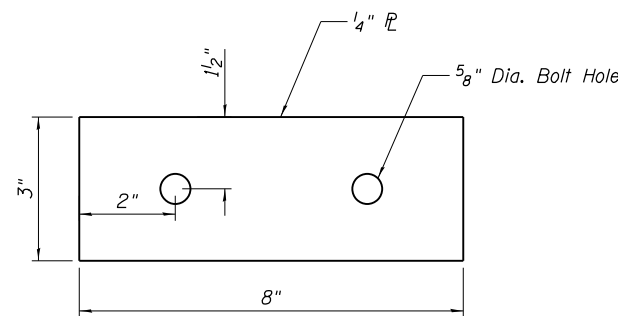
BASE PLATE PLAN
(Section at End Posts)



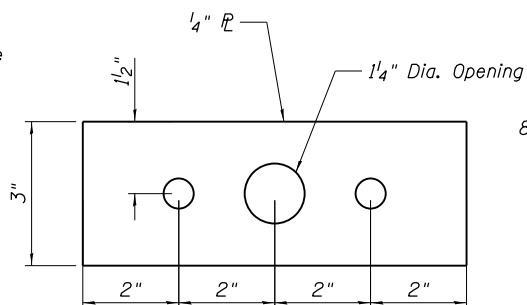
DETAIL C
(Section at End Posts)



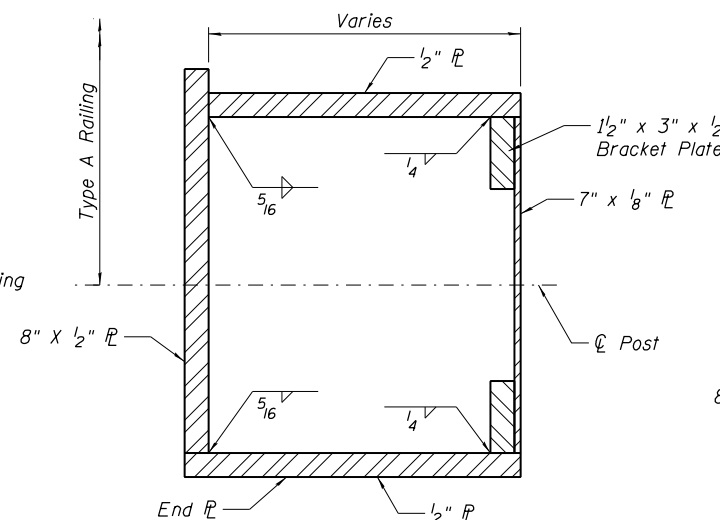
CONNECTION PLATE
(Section at End Posts)



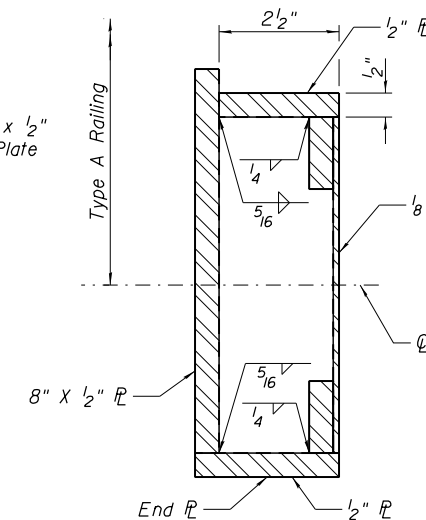
CONNECTION PLATE
(Typical Section)



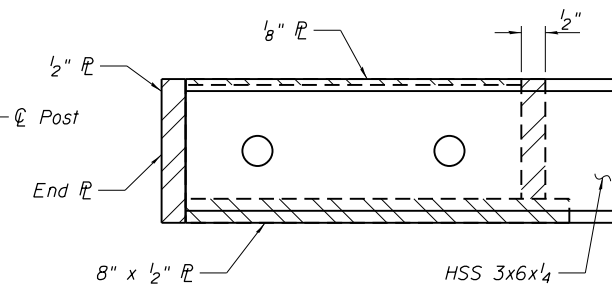
CONNECTION PLATE
(at LED Driver Post)



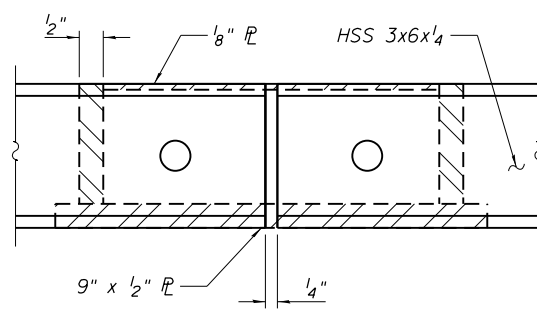
SECTION C-C
(Section at End Posts)



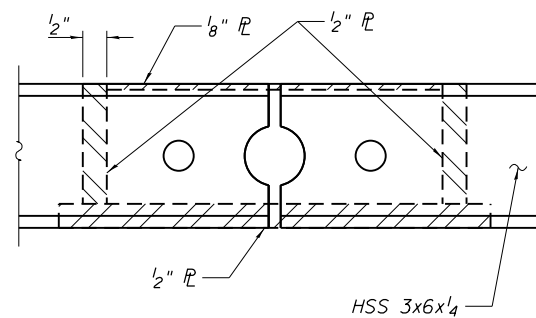
SECTION D-D
(Section at End Posts)



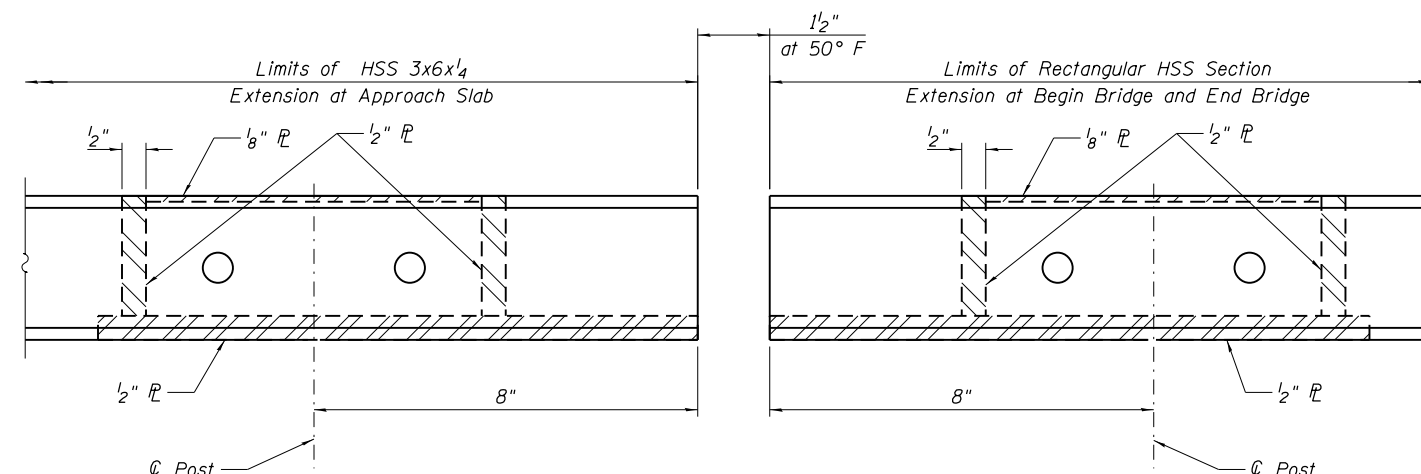
SECTION E-E
(Section at End Posts)



SECTION E-E
(Typical Section)



SECTION E-E
(Section at LED Driver Posts)



SECTION E-E
(Section at Begin Bridge and End Bridge)

FILE NAME = 045P008-XXXX-047-RAILINGDET04.dgn

TY-LIN INTERNATIONAL

USER NAME = RSTONE
PLOT SCALE = NO SCALE
PLOT DATE = 10/19/2017

DESIGNED - E. Modarres
CHECKED - P. Frey
DRAWN - R. Elwood
CHECKED - D. Fitzwilliam

REVISED - -
REVISED - -
REVISED - -
REVISED - -

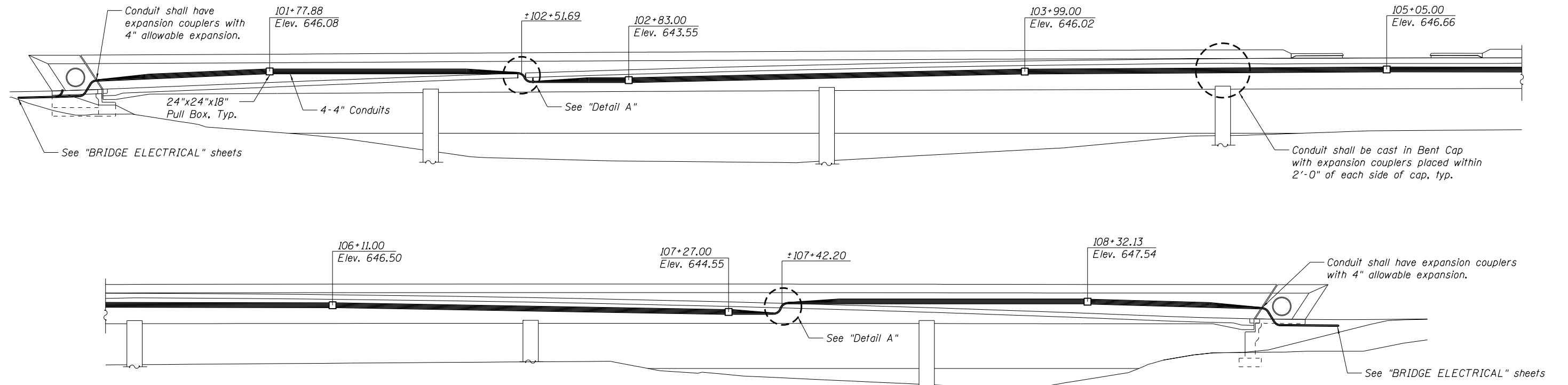
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RAILING DETAILS 4
STRUCTURE NO. 045-P008**

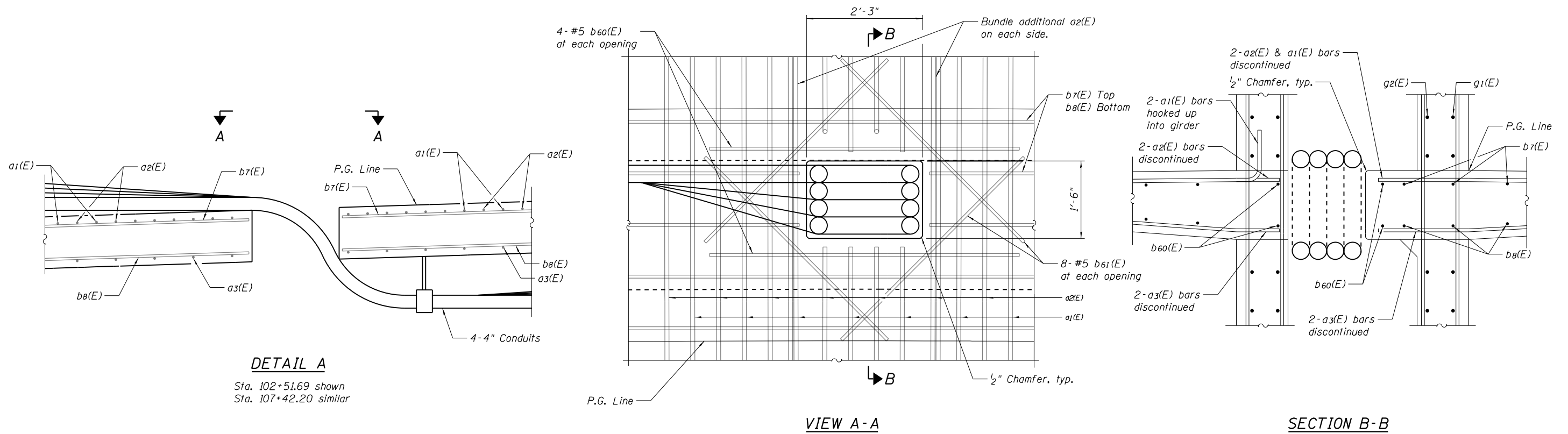
SHEET NO. S-47 OF S-69 SHEETS

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	208
CONTRACT NO.			61E18	

ILLINOIS FED. AID PROJECT



UTILITY LONGITUDINAL SECTION



DETAIL A

Sta. 102+51.69 shown
Sta. 107+42.20 similar

VIEW A-A

SECTION B-B

FILE NAME = 045P008-XXXX-048-UTILDET01.dgn

TY-LIN INTERNATIONAL

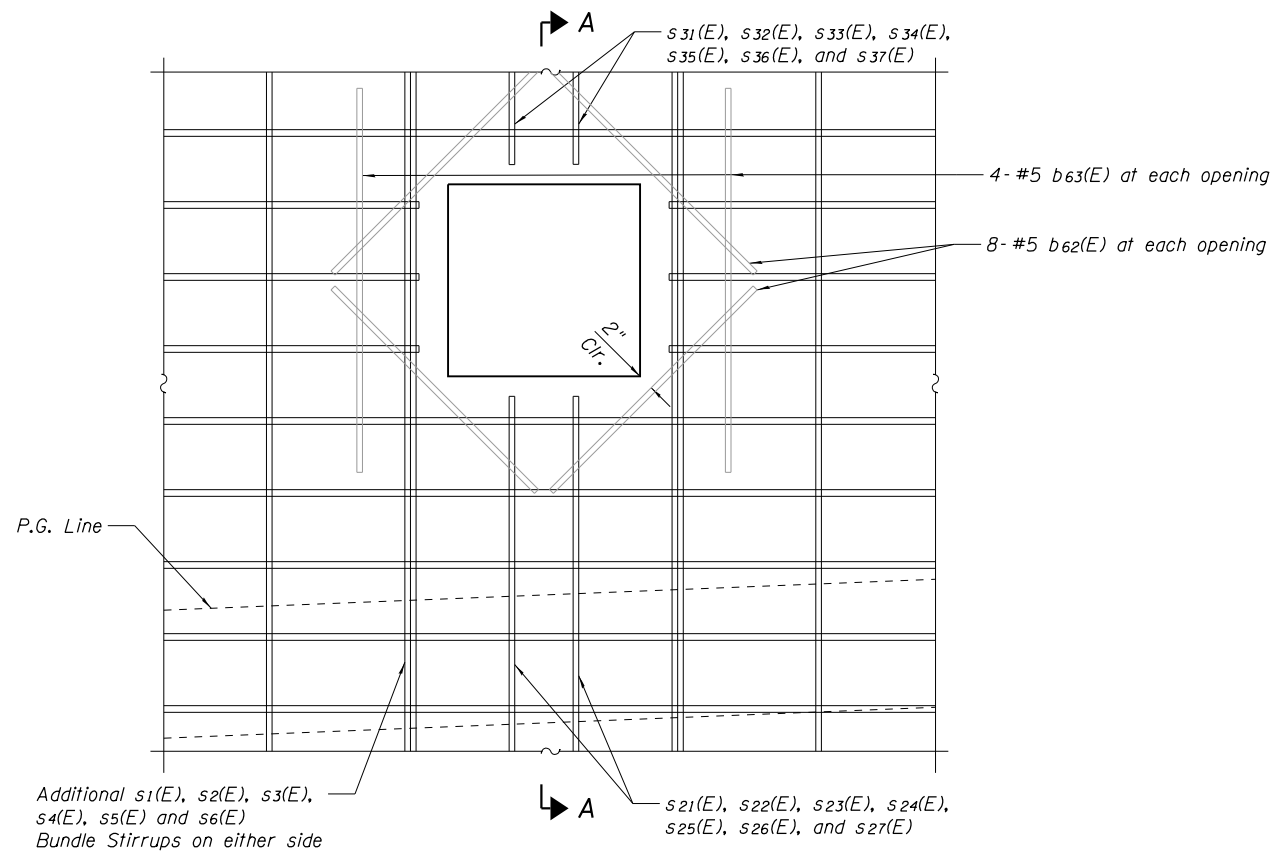
USER NAME = RSTONE	DESIGNED - B. Sokolowski	REVISED - -
PLOT SCALE = NO SCALE	CHECKED - P. Frey	REVISED - -
PLOT DATE = 10/19/2017	DRAWN - Y. Wang	REVISED - -
	CHECKED - D. Fitzwilliam	REVISED - -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FUTURE UTILITY DETAILS 1
STRUCTURE NO. 045-P008**

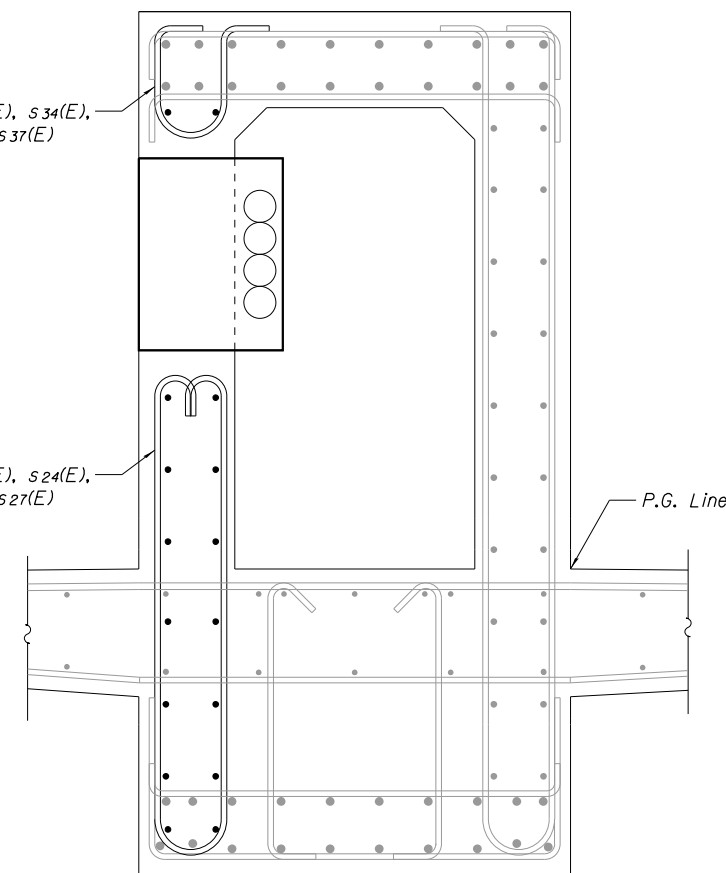
SHEET NO. S-48 OF S-69 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	209
CONTRACT NO.			61E18	
ILLINOIS FED. AID PROJECT				

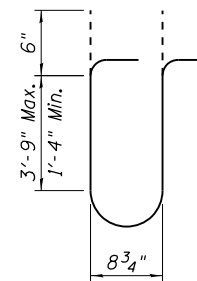


FUTURE UTILITY PULL BOX STIRRUP ELEVATION

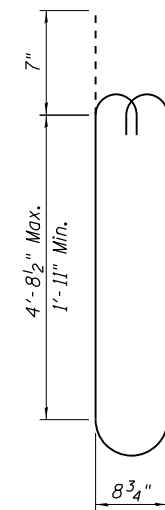
s31(E), s32(E), s33(E), s34(E), s35(E), s36(E), and s37(E)



SECTION A - A



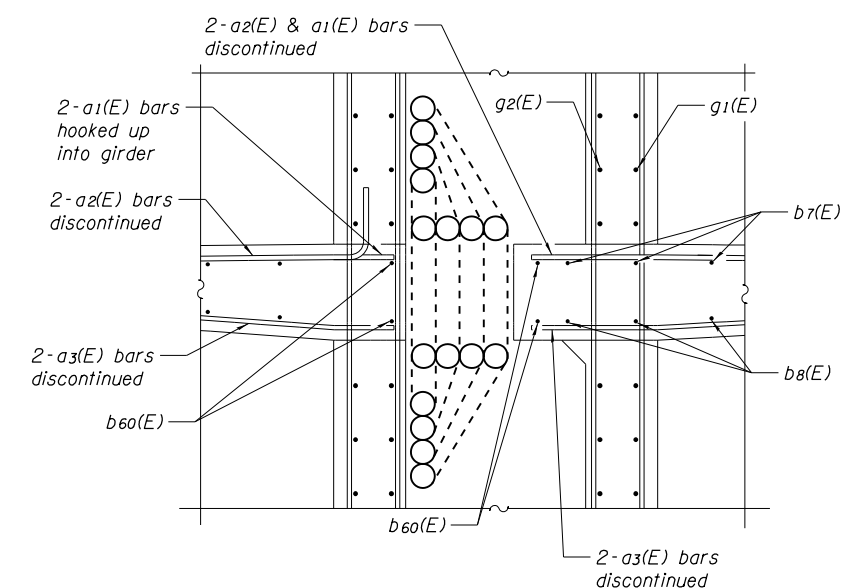
S31-S37 BAR



S21-S27 BAR

**UTILITY OPENING
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a2(E)	4	#6	18'-6"	⌒
b60(E)	8	#5	6'-0"	—
b61(E)	16	#5	5'-0"	—
b62(E)	56	#5	3'-0"	—
b63(E)	28	#5	4'-0"	—
s21(E)	2	#5	11'-10 ⁵ / ₈ "	⊔
s22(E)	2	#5	5'-10 ¹ / ₂ "	⊔
s23(E)	2	#5	10'-0"	⊔
s24(E)	2	#5	10'-8 ¹ / ₂ "	⊔
s25(E)	2	#5	10'-0"	⊔
s26(E)	2	#5	5'-11"	⊔
s27(E)	2	#5	11'-10 ¹ / ₂ "	⊔
s31(E)	2	#5	3'-8 ¹ / ₂ "	⊔
s32(E)	2	#5	9'-7 ¹ / ₂ "	⊔
s33(E)	2	#5	5'-7"	⊔
s34(E)	2	#5	4'-10 ¹ / ₂ "	⊔
s35(E)	2	#5	5'-7"	⊔
s36(E)	2	#5	4'-8 ³ / ₈ "	⊔
s37(E)	2	#5	3'-8 ¹ / ₂ "	⊔
Reinforcement Bars, Epoxy Coated			Pound	765



CONDUIT LOCATION AND TRANSITION DETAIL

FILE NAME = 045P008-XXXX-049-UTILDET02.dgn

TY-LIN INTERNATIONAL

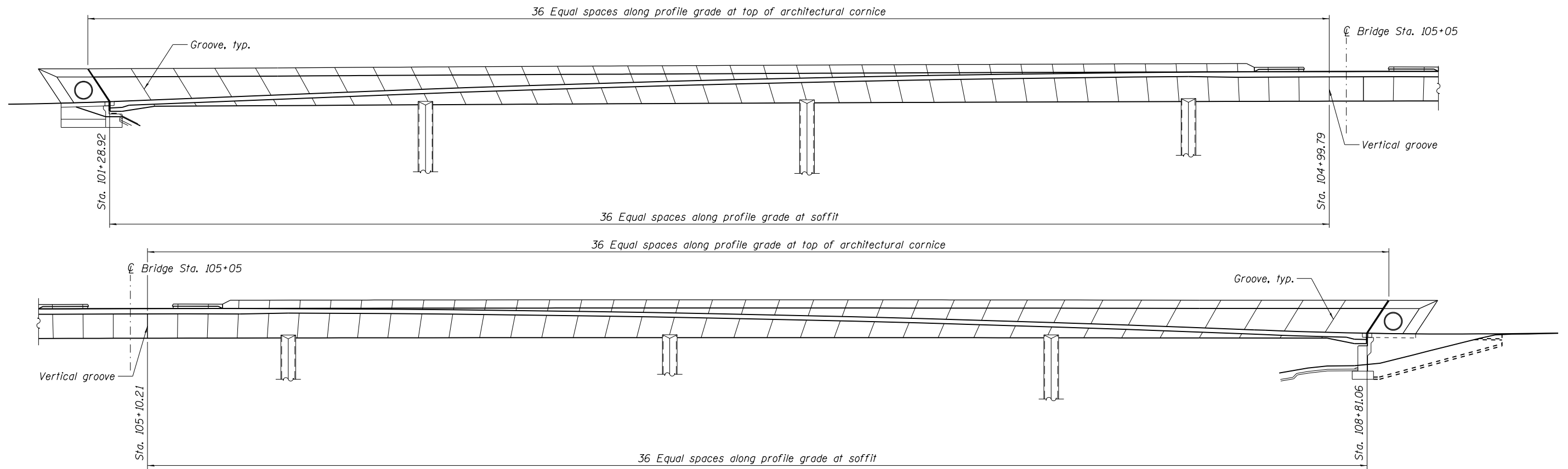
USER NAME = RSTONE	DESIGNED - B. Sokolowski	REVISED - -
PLOT SCALE = NO SCALE	CHECKED - P. Frey	REVISED - -
PLOT DATE = 10/19/2017	DRAWN - Y. Wang	REVISED - -
	CHECKED - D. Fitzwilliam	REVISED - -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

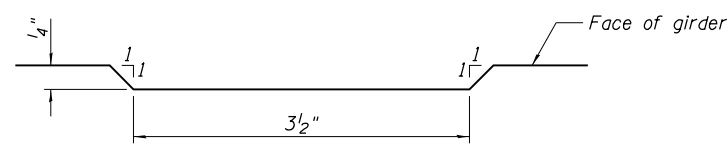
**FUTURE UTILITY DETAILS 2
STRUCTURE NO. 045-P008**

SHEET NO. S-49 OF S-69 SHEETS

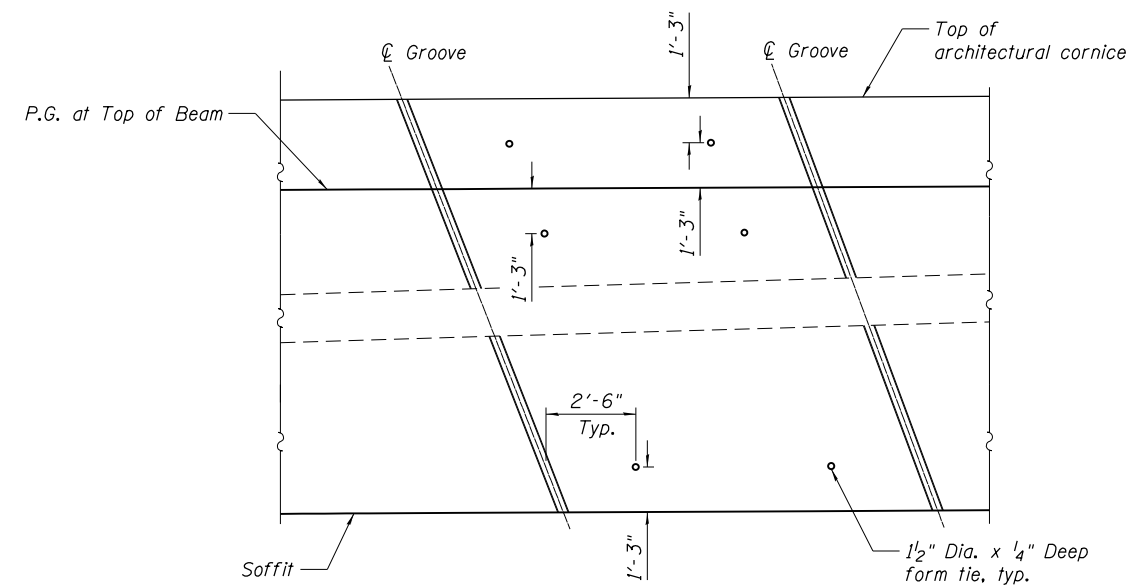
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	210
CONTRACT NO.			61E18	
ILLINOIS FED. AID PROJECT				



GIRDER GROOVE LAYOUT



GIRDER GROOVE DETAIL



AESTHETIC FORM TIE LOCATIONS

FILE NAME = 045P008-XXXX-050-ARCHDET01.dgn

TY-LIN INTERNATIONAL

USER NAME = RSTONE	DESIGNED - B. Sokolowski	REVISED - -
	CHECKED - P. Frey	REVISED - -
PLOT SCALE = NO SCALE	DRAWN - R. Stone	REVISED - -
PLOT DATE = 10/19/2017	CHECKED - D. Fitzwilliam	REVISED - -

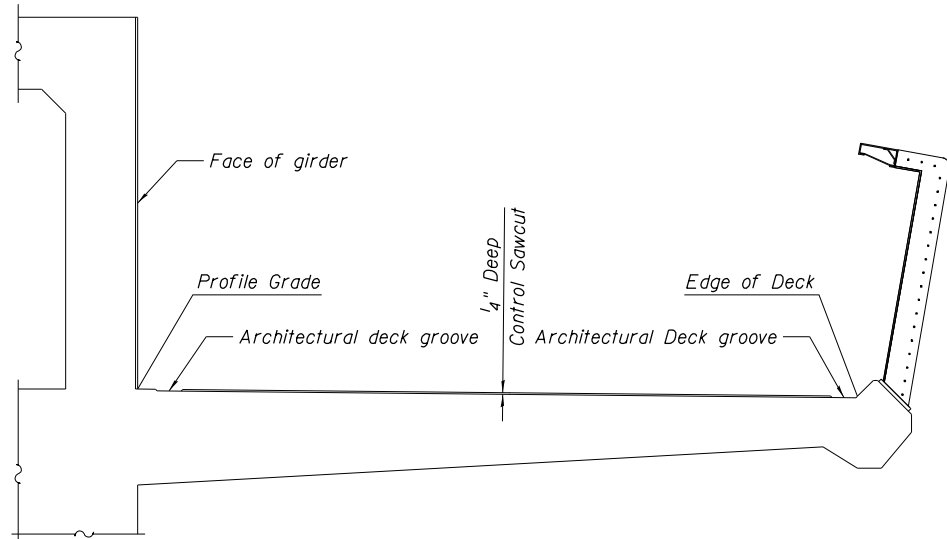
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARCHITECTURAL DETAILS 1
STRUCTURE NO. 045-P008**

SHEET NO. S-50 OF S-69 SHEETS

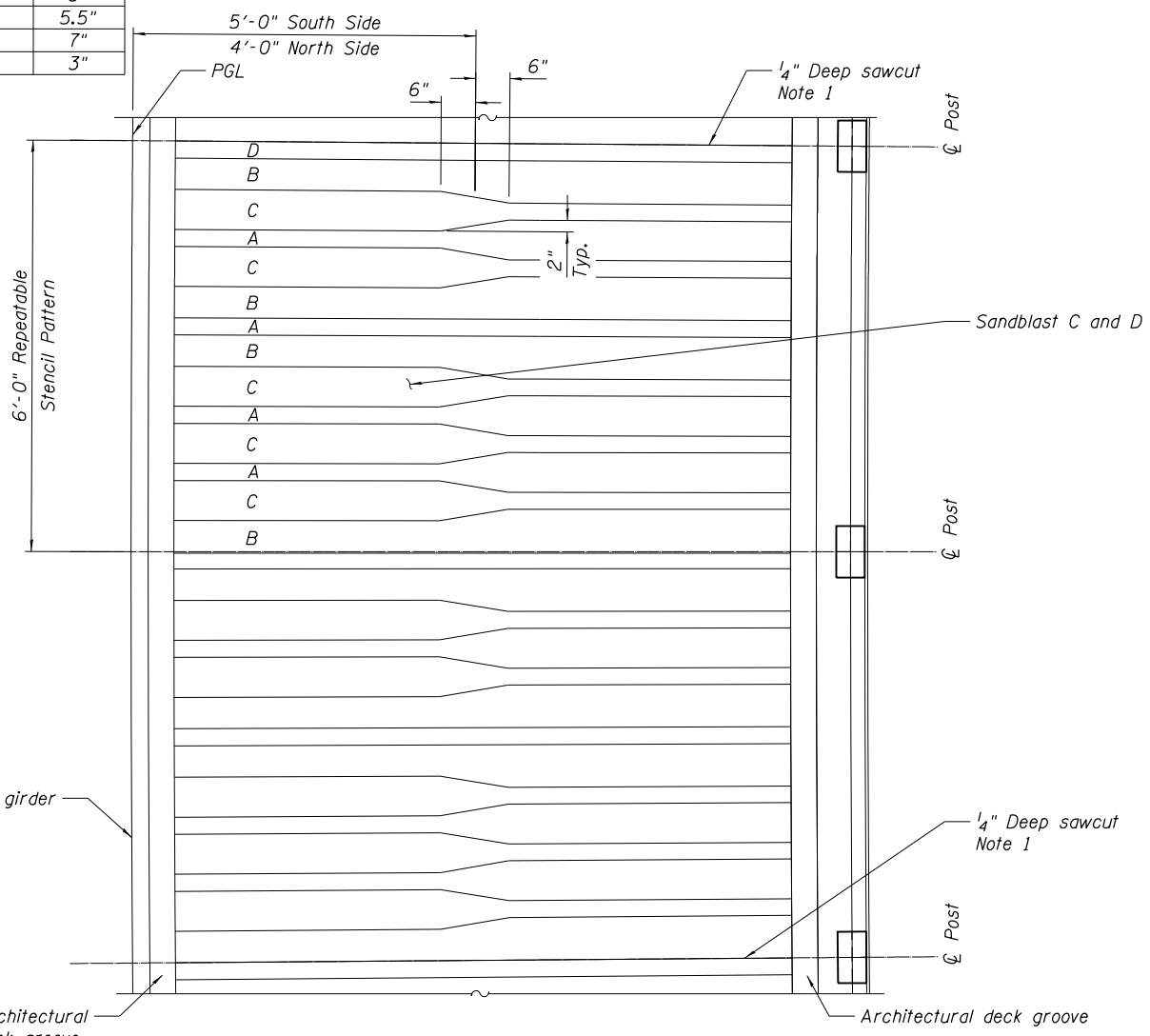
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	211
CONTRACT NO.			61E18	

ILLINOIS FED. AID PROJECT

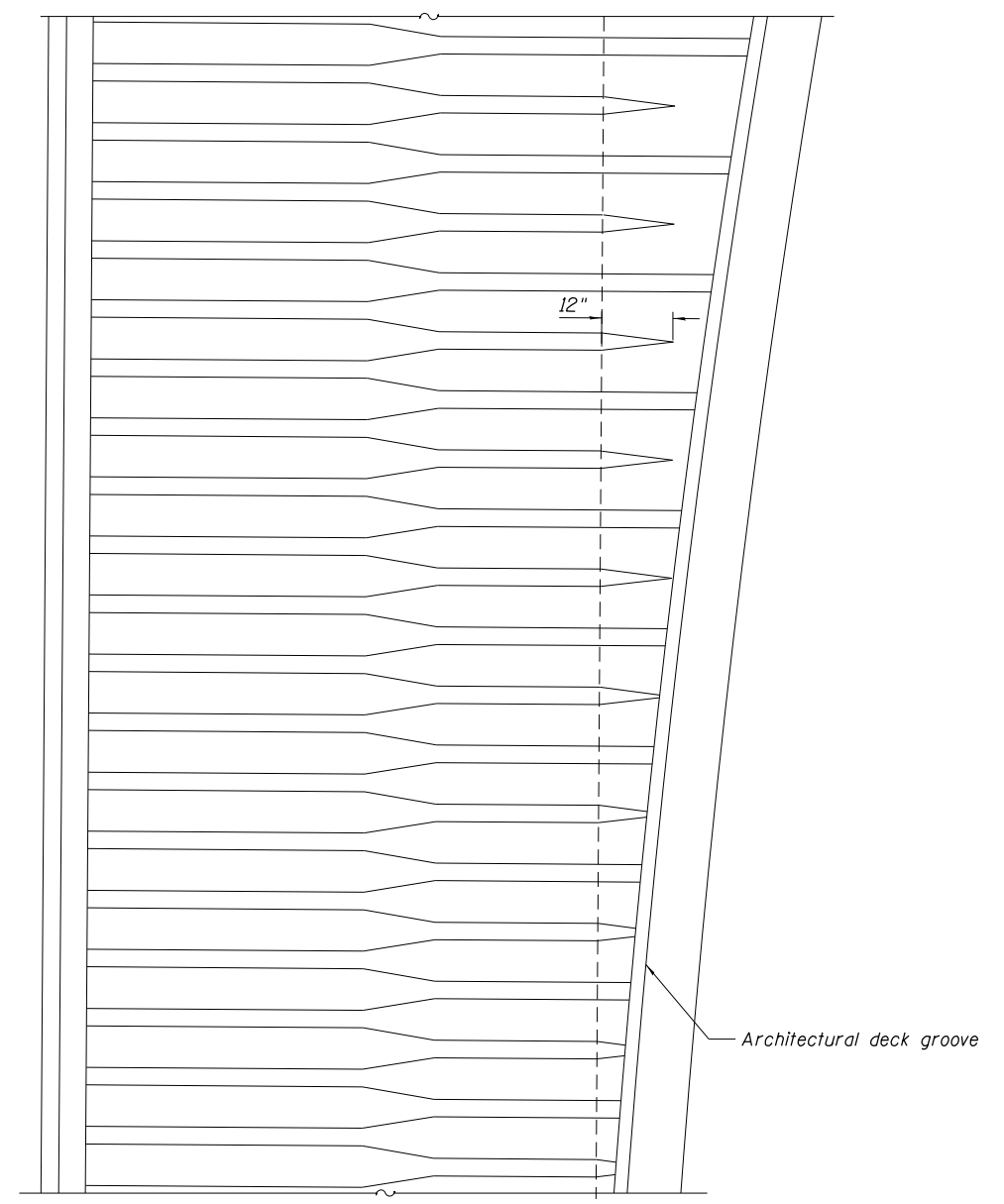


ARCHITECTURAL GROOVE SECTION

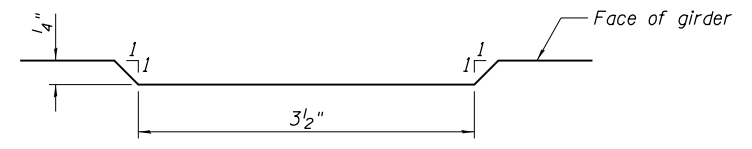
PATTERN SPACING	
A	3"
B	5.5"
C	7"
D	3"



ARCHITECTURAL PATTERN PLAN



OVERLOOK DETAIL



DECK GROOVE DETAIL

- Notes:
- Sawcut lines shall be spaced at 12'-0" along and cut perpendicular to the Profile Grade Line.
 - Pattern shapes C and D shall be sandblasted.

FILE NAME = 045P008-XXXX-051-ARCHDET02.dgn

TYLIN INTERNATIONAL

USER NAME = RSTONE	DESIGNED - B. Sokolowski	REVISED - -
PLOT SCALE = NO SCALE	CHECKED - P. Frey	REVISED - -
PLOT DATE = 10/19/2017	DRAWN - R. Stone	REVISED - -
	CHECKED - D. Fitzwilliam	REVISED - -

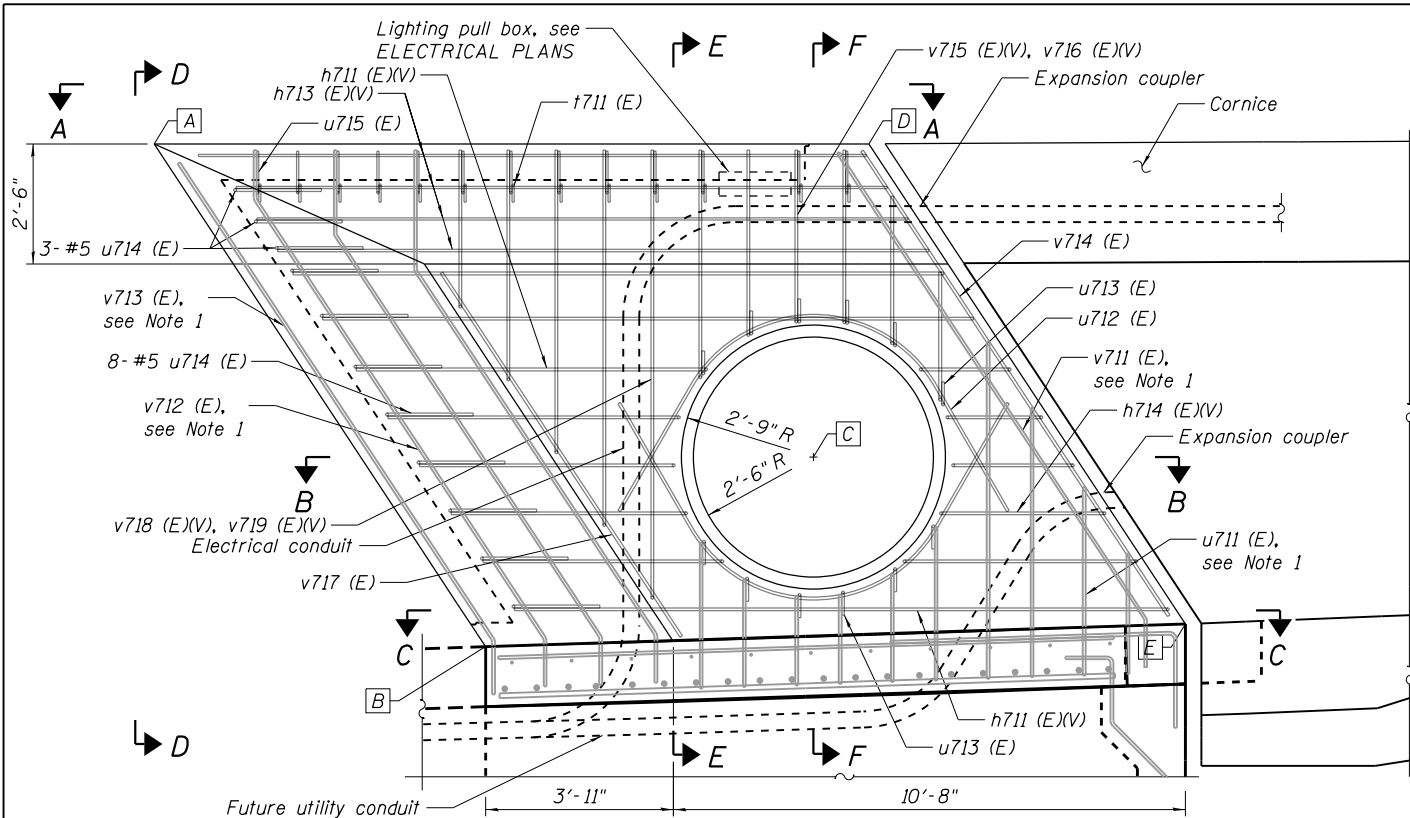
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARCHITECTURAL DETAILS 2
STRUCTURE NO. 045-P008**

SHEET NO. S-51 OF S-69 SHEETS

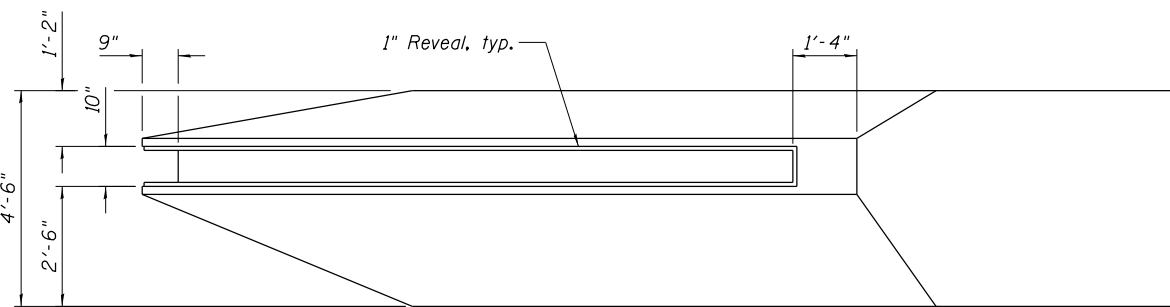
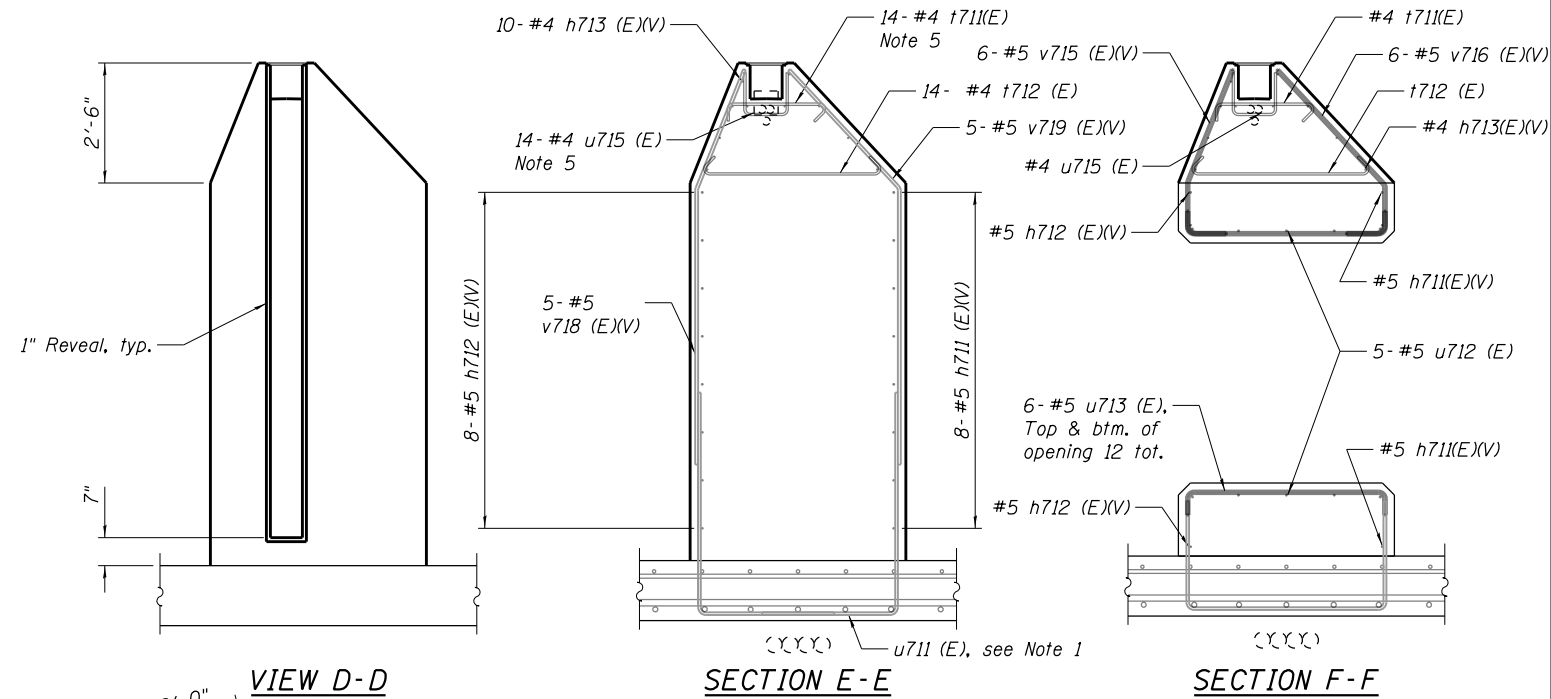
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	212
CONTRACT NO.			61E18	

ILLINOIS FED. AID PROJECT

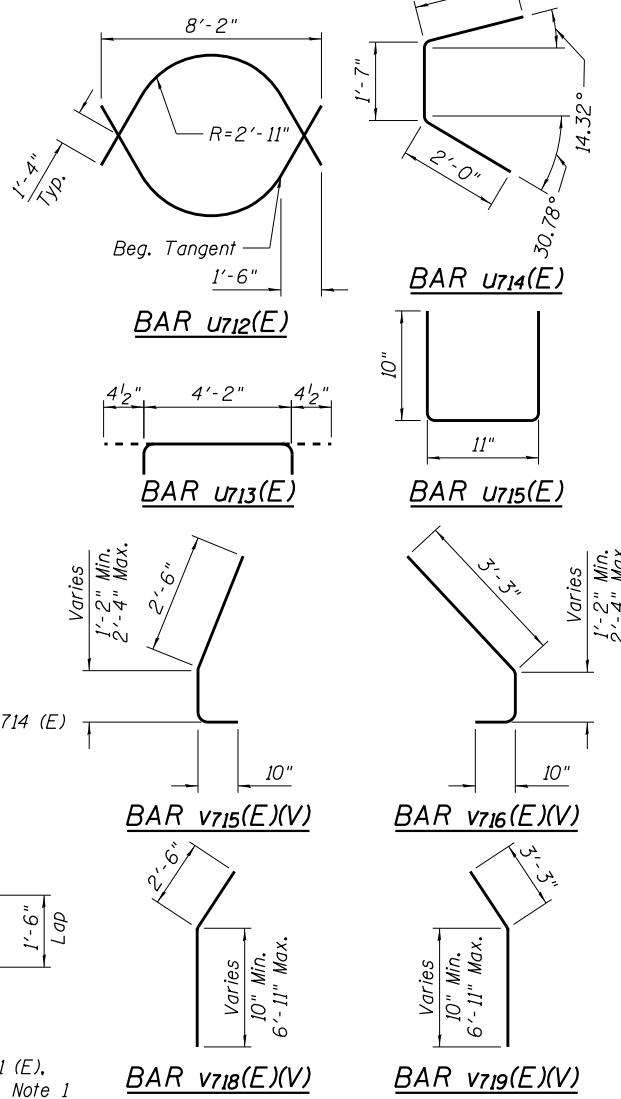


APPROACH MONUMENT DETAILS
West Monument shown, East Monument similar

Note:
3/8" Checkered plate omitted for clarity, see Note 2.



VIEW A-A



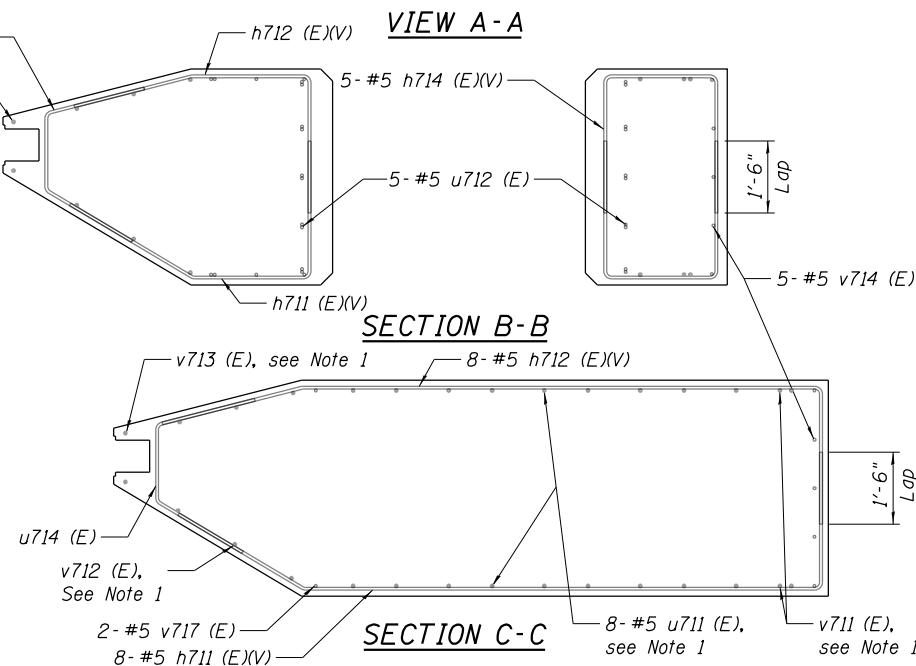
- NOTES:**
- For vertical bars embedded into approach slab, see "WEST BRIDGE APPROACH SLAB" and "EAST BRIDGE APPROACH SLAB" sheets.
 - For checkered plate details, see "EXPANSION JOINT DETAILS 2" sheet.
 - Monument bill of material includes both monuments at west and east approach.
 - Bar spacing 12" maximum.
 - Adjust bar spacing at pull box location.

MONUMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
t711(E)	28	#4	2'-9"	U
t712(E)	28	#4	4'-3"	U
u712(E)	10	#5	24'-6"	W
u713(E)	24	#5	4'-11"	U
u714(E)	22	#5	5'-7"	U
u715(E)	28	#4	2'-7"	U
v714(E)	10	#5	8'-6"	
v715(E) Min	12	#5	4'-6"	
v715(E) Max	12	#5	4'-8"	
v716(E) Min	12	#5	5'-3"	
v716(E) Max	12	#5	6'-5"	
v717(E)	4	#5	9'-0"	
v718(E) Min	10	#5	3'-4"	
v718(E) Max	10	#5	9'-5"	
v719(E) Min	10	#5	4'-1"	
v719(E) Max	10	#5	10'-2"	
h711(E) Min	16	#5	8'-10"	
h711(E) Max	16	#5	16'-10"	
h712(E) Min	16	#5	8'-4"	
h712(E) Max	16	#5	16'-4"	
h713(E)	20	#4	13'-6"	
h714(E) Min	10	#5	15'-0"	
h714(E) Max	10	#5	20'-10"	
Concrete Superstructure		Cu. Yd.	35	
Reinforcement Bars, Epoxy Coated		Pound	1969	

MONUMENT CONTROL POINTS

I.D.	Station	Elevation
WEST MONUMENT		
A	101+07.26	650.84
B	101+14.17	640.36
C	101+21.00	644.31
D	101+22.16	650.84
E	101+28.75	640.84
EAST MONUMENT		
E	108+81.25	642.52
D	108+87.84	652.52
C	108+89.00	646.15
B	108+95.83	642.33
A	109+02.55	652.52



SECTION B-B

SECTION C-C

FILE NAME = 045P008-XXXX-052-ARCHDET03.dgn

TYLIN INTERNATIONAL

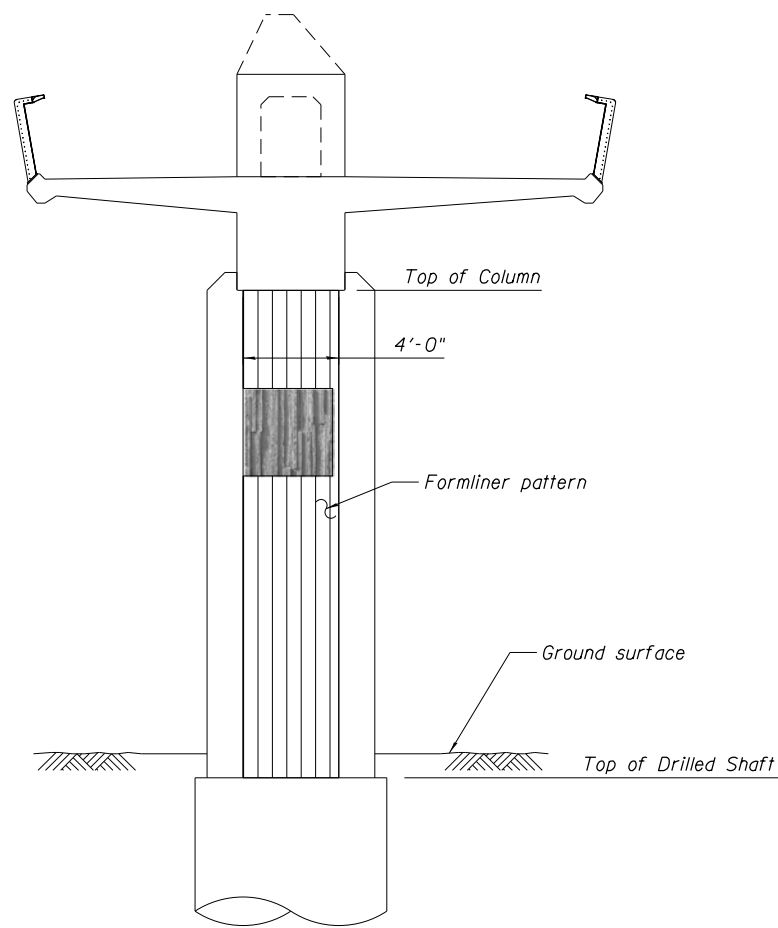
USER NAME = RSTONE	DESIGNED - E. Modarres	REVISED - -
PLOT SCALE = NO SCALE	CHECKED - P. Frey	REVISED - -
PLOT DATE = 10/19/2017	DRAWN - R. Stone	REVISED - -
	CHECKED - D. Fitzwilliam	REVISED - -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

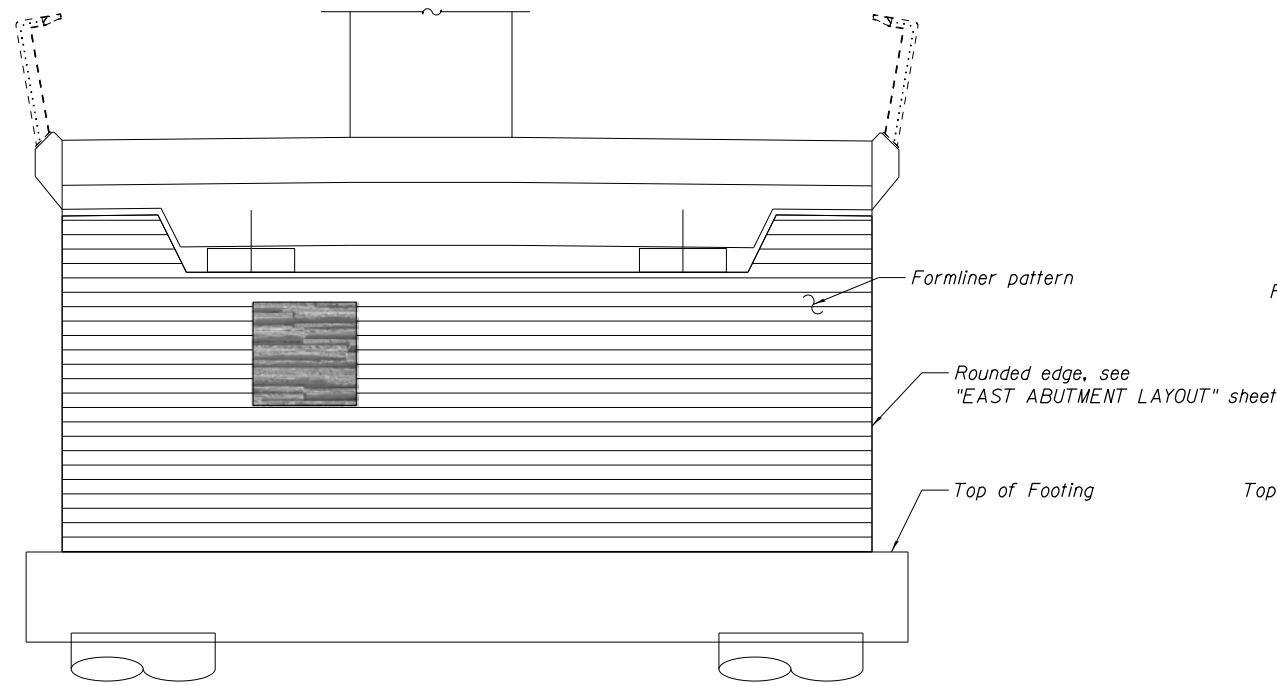
**ARCHITECTURAL DETAILS 3
STRUCTURE NO. 045-P008**

SHEET NO. S-52 OF S-69 SHEETS

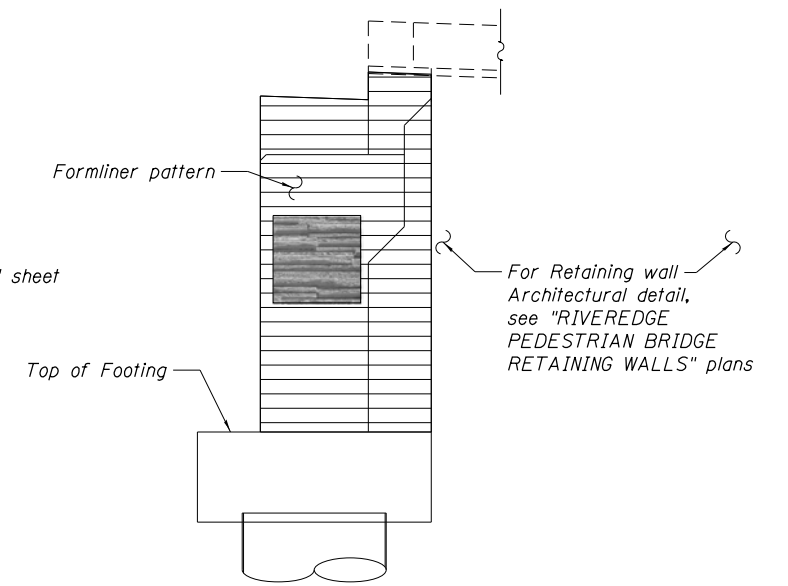
F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	213
CONTRACT NO.			61E18	
ILLINOIS FED. AID PROJECT				



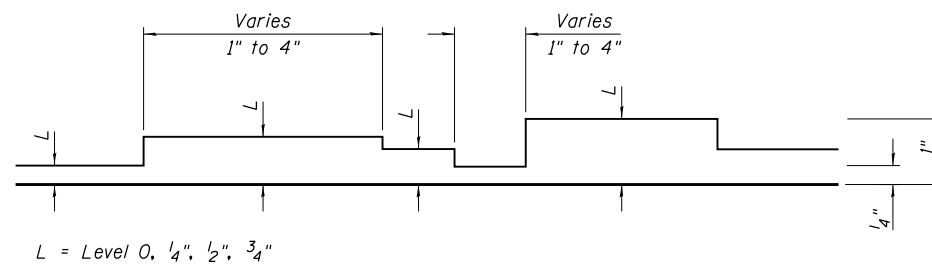
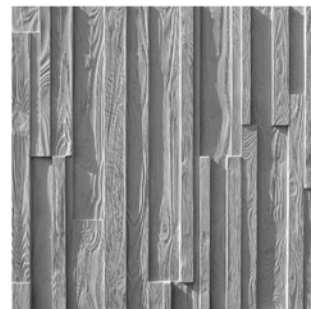
PIER ELEVATION
(Pier 1 Shown, Other Piers Similar)



EAST ABUTMENT ELEVATION



EAST ABUTMENT SUBWALL ELEVATION



L = Level 0, 1/4", 1/2", 3/4"

FORMLINER DETAIL
RECKLI 1/317 RUSTIC

BILL OF MATERIAL

Item	Unit	Total
Pier 1 Formliner	Sq. Ft.	163
Pier 2 Formliner	Sq. Ft.	170
Pier 3 Formliner	Sq. Ft.	129
Pier 4 Formliner	Sq. Ft.	99
Pier 5 Formliner	Sq. Ft.	88
Pier 6 Formliner	Sq. Ft.	149
East Abutment Formliner	Sq. Ft.	264

FILE NAME = 045P008-XXXX-053-ARCHDET04.dgn

TYLIN INTERNATIONAL

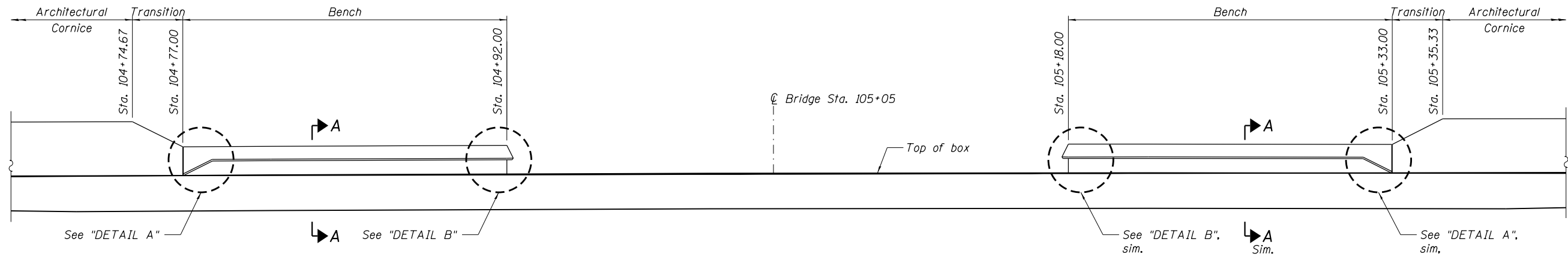
USER NAME = RSTONE	DESIGNED - E. Modarres	REVISED - -
PLOT SCALE = NO SCALE	CHECKED - P. Frey	REVISED - -
PLOT DATE = 10/19/2017	DRAWN - Y. Wang	REVISED - -
	CHECKED - D. Fitzwilliam	REVISED - -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

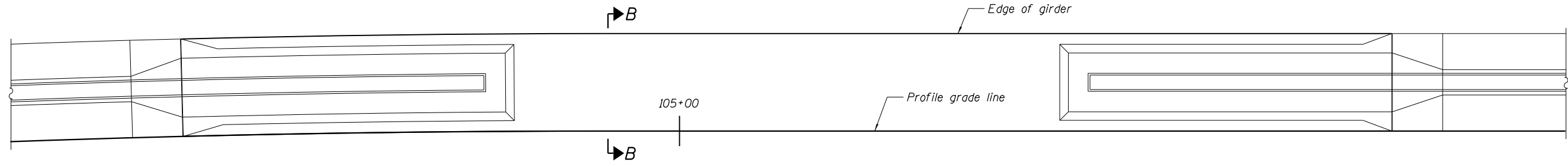
ARCHITECTURAL DETAILS 4
STRUCTURE NO. 045-P008

SHEET NO. S-53 OF S-69 SHEETS

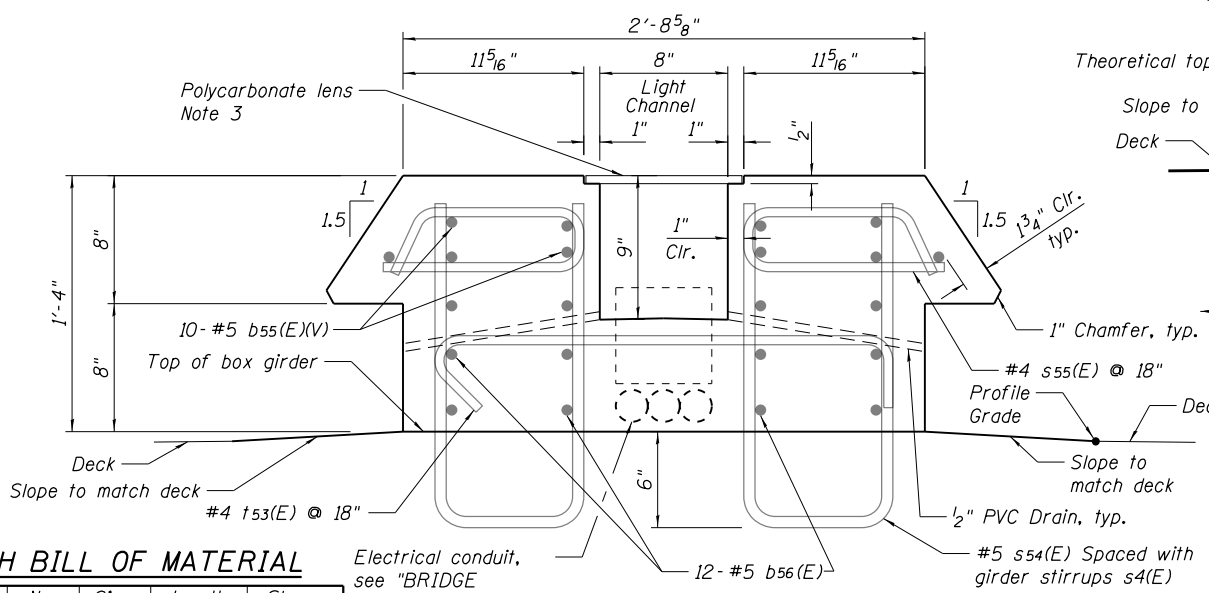
F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	214
CONTRACT NO.			61E18	
ILLINOIS FED. AID PROJECT				



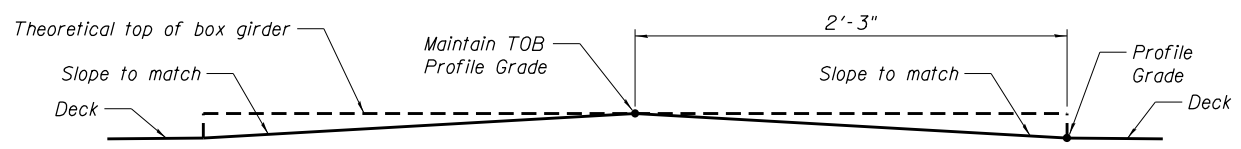
BENCH LAYOUT ELEVATION



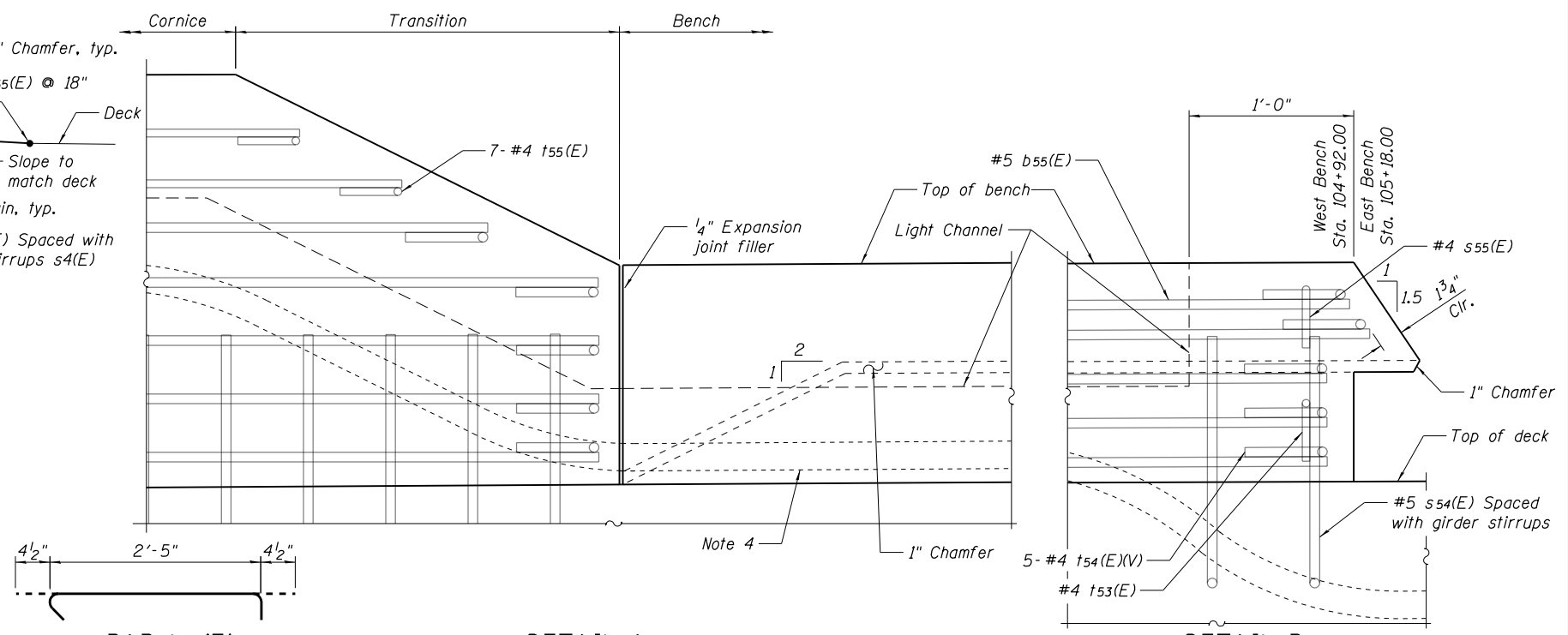
BENCH LAYOUT PLAN



SECTION A-A



SECTION B-B



DETAIL A

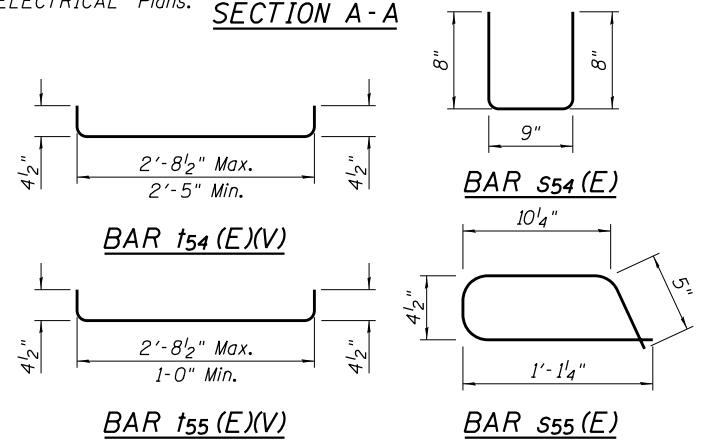
DETAIL B

- NOTES:**
1. For profile grade and top of box profile grade, see "GEOMETRY DATA" and "DECK CONTOURS" sheet.
 2. For architectural cornice details, see "CORNICER DETAILS" sheet.
 3. Polycarbonate lens shall be attached to concrete with removable screws at 4'-0" max. spacing. Minimum 4 per panel.
 4. Transition electrical conduit from bench into deck. Place to avoid conflict with transverse deck bars. No transverse deck bars may be terminated.

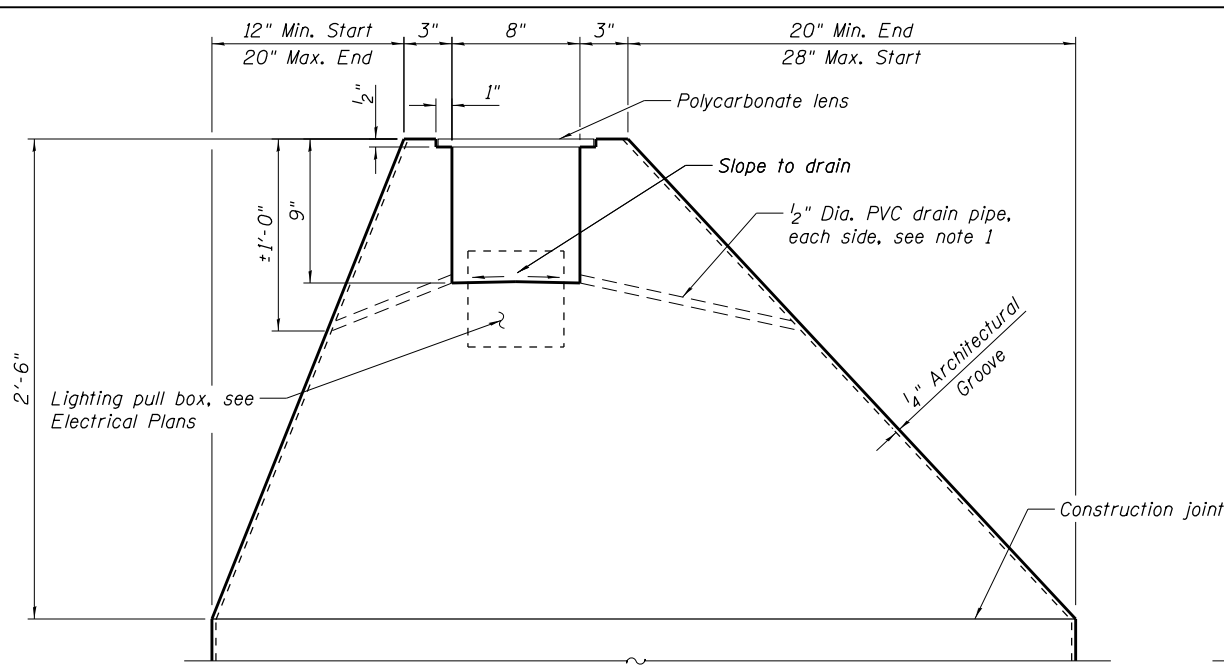
BENCH BILL OF MATERIAL

Bar	No.	Size	Length	Shape
b55 (E) Max.	8	#5	15'-0 1/2"	
b55 (E) Min.	12	#5	14'-11 1/2"	
b56 (E)	24	#5	14'-10"	
s54 (E)	64	#5	4'-1"	U
s55 (E)	42	#4	2'-9"	U
t53 (E)	21	#4	3'-2"	U
t54 (E) Max.	4	#4	3'-5 1/2"	U
t54 (E) Min.	6	#4	3'-2"	U
t55 (E) Max.	8	#4	3'-7 1/2"	U
t55 (E) Min.	6	#4	1'-9"	U
Reinforcement Bars, Epoxy Coated			Lbs.	1,122
Concrete Superstructure			Cu. Yds.	5

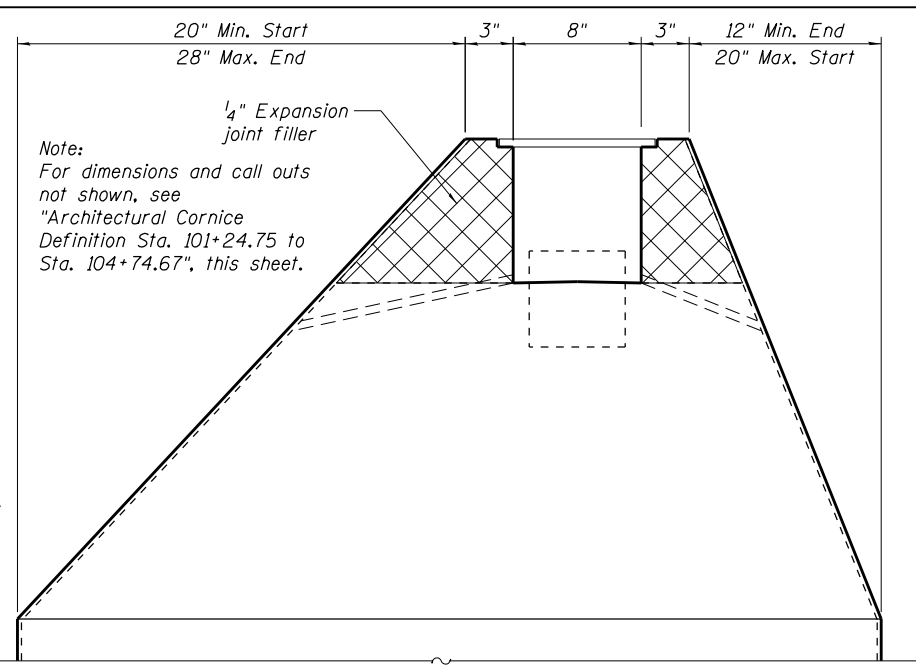
Electrical conduit, see "BRIDGE ELECTRICAL" Plans.



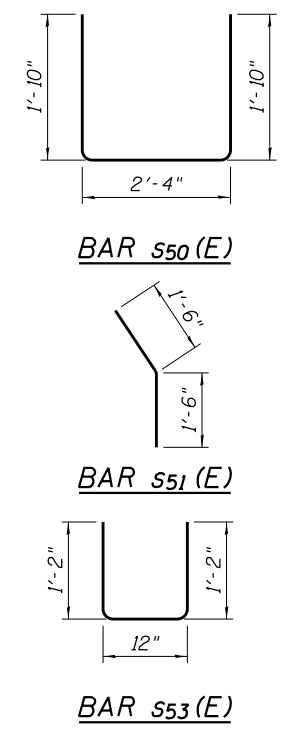
FILE NAME = 045P008-XXXX-054-BENCHDET.dgn



ARCHITECTURAL CORNICE DEFINITION
Sta. 101+24.75 to Sta. 104+74.67 (looking upstation)



ARCHITECTURAL CORNICE DEFINITION
Sta. 105+35.33 to Sta. 108+85.25 (looking upstation)

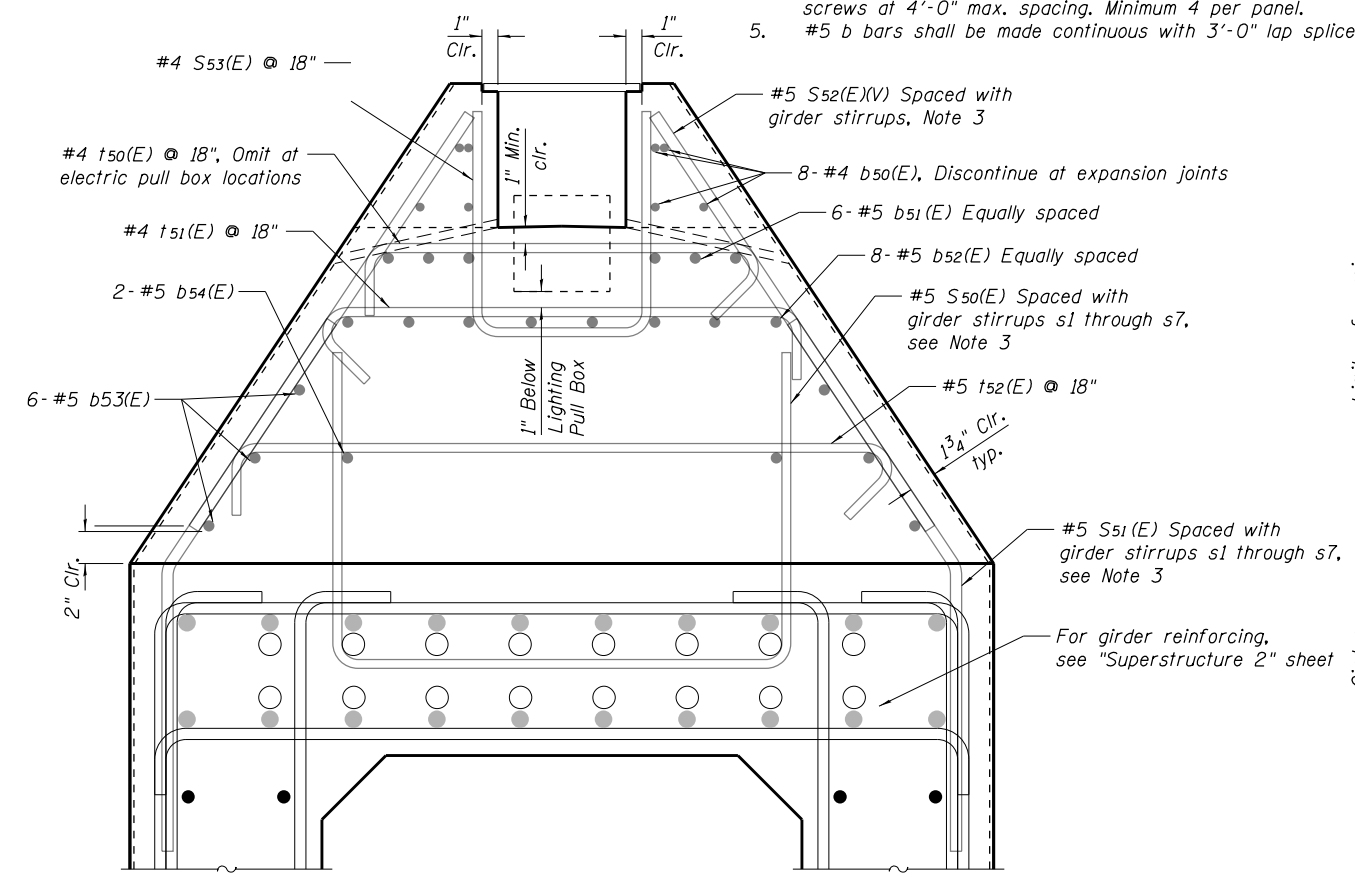


SUPERSTRUCTURE BILL OF MATERIAL

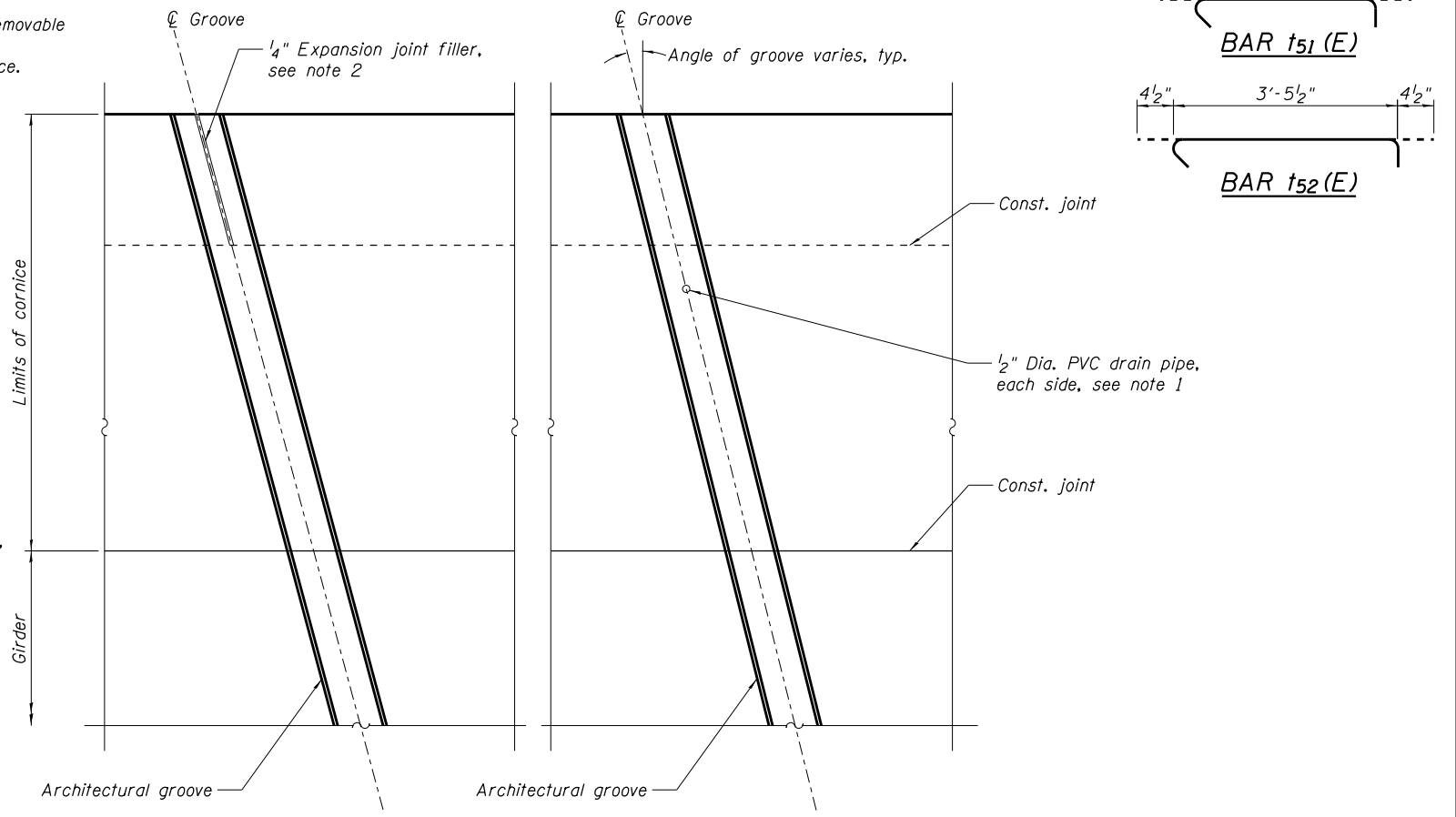
Bar	No.	Size	Length	Shape
b50(E)	280	#4	20'-0"	U
b51(E)	114	#5	40'-0"	U
b52(E)	152	#5	40'-0"	U
b53(E)	114	#5	40'-0"	U
b54(E)	38	#5	40'-0"	U
s50(E)	936	#5	6'-0"	U
s51(E)	1860	#5	3'-0"	U
s52(E) Max.	936	#5	2'-4"	U
s52(E) Min.	936	#5	3'-1"	U
s53(E)	468	#4	3'-4"	U
t50(E)	444	#4	2'-8 3/4"	U
t51(E)	468	#4	3'-4 1/2"	U
t52(E)	468	#4	4'-2 1/2"	U
Reinforcement Bars, Epoxy Coated			Lbs.	42,516
Concrete Superstructure			Cu. Yds.	171

Note:
s50 bars shall be spaced at 12"

- NOTES:**
- Place drain pipes in every other architectural groove.
 - Place 1/4" expansion joints centered in every other architectural groove. Expansion joint shall not coincide with drain. To be placed along entire length of cornice. Bars shall be spaced at 12" where stirrups s1(E), s2(E), s3(E), s4(E), s5(E), s6(E) and s7(E) are not present.
 - Polycarbonate lens shall be attached to concrete with removable screws at 4'-0" max. spacing. Minimum 4 per panel.
 - #5 b bars shall be made continuous with 3'-0" lap splice.



ARCHITECTURAL CORNICE REINFORCEMENT DETAIL



ARCHITECTURAL CORNICE ELEVATION

FILE NAME = 045P008-XXXX-055-CORNICED1.dgn

TYLIN INTERNATIONAL	USER NAME = RSTONE	DESIGNED - B. Sokolowski	REVISED - -
	PLOT SCALE = NO SCALE	CHECKED - P. Frey	REVISED - -
	PLOT DATE = 10/19/2017	DRAWN - R. Stone	REVISED - -
		CHECKED - D. Fitzwilliam	REVISED - -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CORNICE DETAILS
STRUCTURE NO. 045-P008**

SHEET NO. S-55 OF S-69 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	216
CONTRACT NO.			61E18	
ILLINOIS FED. AID PROJECT				

Testing Service Corporation

STRUCTURE BORING LOG

Page 1 of 1

Date Started 8/25/15

Date Completed 8/25/15

ROUTE _____ DESCRIPTION Riversedge Pedestrian Bridge over Fox River
 SECT. _____ STRUCT. NO. 045-P008 DRILLED BY TSC/L-83,600
 COUNTY Kane LOCATION West Abutment S. 22 - NW 1/4, TWP. 38N, RNG. 8E

Boring No.	Station	Offset	Surface Elev.	D E P T H	N v a l u e	Qu tsf	W %
SB-1	101+27	Centerlineft	633.60				
FILL - Black clayey TOPSOIL (OL) 632.80							
FILL - Red Crushed Brick Pieces, trace clay and cinders, moist							
FILL - Black ORGANIC CLAY, trace Brick pieces, very moist A-8 625.60							
Medium stiff brown and gray CLAY, trace gravel, very moist A-6 623.10							
Very stiff brown and gray CLAY LOAM, moist A-6 621.60							
Weathered/Fractured Bedrock or Possible Boulder Zone [Hard Drilling] 619.60							
DOLOMITE: Medium gray, mottled red and green, weathered orange/tan. Dense, Silty, thin to medium bedded with occasional green partings. Slightly fractured between 15.5 to 18.0'. Run1: 14.0' to 24.0' Recovery = 100% RQD = 41%							
End of Boring at 24.0'							

Surface Water Elev. _____
 Groundwater Elev.: _____
 when drilling _____ Dry
 at Completion _____ Wash @ 14.0'
 after _____ Hrs. _____

ILDOT BORING 83600 IDOT.GPJ IDOT.GDT 4/6/17
 609.60
 -25

SPT. (N) = Sum of last two blow values in sample. (Qu) S=Shear, B=Bulge at 15% Strain, P=Penetration Test.
 Stations, Depths, Offset, and Elevations are in Feet

Testing Service Corporation

STRUCTURE BORING LOG

Page 1 of 1

Date Started 8/25/15

Date Completed 8/25/15

ROUTE _____ DESCRIPTION Riversedge Pedestrian Bridge over Fox River
 SECT. _____ STRUCT. NO. 045-P008 DRILLED BY TSC/L-83,600
 COUNTY Kane LOCATION East Abutment S. 22 - NE 1/4, TWP. 38N, RNG. 8E

Boring No.	Station	Offset	Surface Elev.	D E P T H	N v a l u e	Qu tsf	W %
SB-2	108+80	1.00ft RT	632.70				
3" Bituminous Concrete 632.40							
FILL - Brown and gray Crushed Concrete, little Brick Pieces, trace cinders, moist to saturated							
FILL - Brown and gray SANDY LOAM and Crushed Concrete, saturated 624.70							
Very soft black CLAY (Topsoil), very moist A-8 622.20							
Medium dense brown and gray SANDY LOAM, wet A-2-4 617.20							
Medium stiff gray CLAY, trace gravel, very moist A-6 612.20							
Weathered/Fractured Bedrock or Possible Boulder Zone [Hard Drilling] 608.70							
DOLOMITE:							
End of Boring at 29.0'							

Surface Water Elev. _____
 Groundwater Elev.: _____
 when drilling _____ 628.7
 at Completion _____ Wash @ 24.0'
 after _____ Hrs. _____

DOLOMITE: Medium gray, mottled red and green, weathered orange/tan. Dense, Silty, thin to medium bedded with occasional green partings.
 Run1: 24.0' to 29.0'
 Recovery = 40%
 RQD = 0%

ILDOT BORING 83600 IDOT.GPJ IDOT.GDT 4/6/17
 608.70
 -25

SPT. (N) = Sum of last two blow values in sample. (Qu) S=Shear, B=Bulge at 15% Strain, P=Penetration Test.
 Stations, Depths, Offset, and Elevations are in Feet

FILE NAME = 045P008-XXXX-056-BORINGLOG01.dgn

Note:
 For Boring Log location, see "GENERAL PLAN & ELEVATION" sheet.

	USER NAME = RSTONE	DESIGNED - T. Peceniak	REVISED - -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS 1 STRUCTURE NO. 045-P008	F.A.U. RE. 2503	SECTION 16-00313-00-MS	COUNTY KANE	TOTAL SHEETS 254	SHEET NO. 217
	PLOT SCALE = NO SCALE	DRAWN - R. Stone	REVISED - -			CONTRACT NO. 61E18				
	PLOT DATE = 10/19/2017	CHECKED - D. Fitzwilliam	REVISED - -			ILLINOIS FED. AID PROJECT				
	SHEET NO. S-56 OF S-69 SHEETS									

Testing Service Corporation

STRUCTURE BORING LOG

Page 1 of 1

Date Started 7/11/16

Date Completed 7/12/16

ROUTE _____ DESCRIPTION Riversedge Pedestrian Bridge over Fox River

SECT. _____ STRUCT. NO. 045-P008 DRILLED BY TSC/L-85,248

COUNTY Kane LOCATION Pier 1 S. 22 - N 1/2, TWP. 38N, RNG. 8E

Boring No.	Station	Offset	Surface Elev.	D E P T H	N E V A L U E	Qu tsf	W %	Surface Water Elev.	Groundwater Elev.:	when drilling	at Completion	Rotary Wash	after	Hrs.	D E P T H	N E V A L U E	Qu tsf	W %
SB-101	102+26	2.50ft RT	628.50					628.5	628.5	628.5								
8.0' Water (Fox River)																		
CME 55 - Track Rig (#262) Drilled from a Barge Automatic Hammer																		
3.25" ID - HSA 3.0" ID - NQ Casing NWD-4 Core Barrel																		
620.50																		
Loose black SANDY LOAM, some gravel, trace organic, saturated A-2-4																		
619.50																		
Weathered/Fractured Rock or Boulder Zone [Hard Drilling]																		
618.00																		
Run 1: 10.5' to 18.5' Recovery = 100% RQD = 0%																		
DOLOMITE: Yellow to brownish gray, mottled pinkish gray and green. Highly Weathered and Moderately Fractured (10.5' to 17.0'), Pure, thin bedded, wavy, undulated with occasional green clay partings.																		
608.00																		
Run 2: 18.5' to 22.5' Recovery = 100% RQD = 20%																		
DOLOMITE: Light tanish gray, mottled green. Slightly Fractured, thin bedded, with occ. green clay partings, 5 to 10% pin point vugs.																		
606.00																		
Qu = 9800 psi																		
End of Boring at 22.5'																		

SPT. (N) = Sum of last two blow values in sample. (Qu) S=Shear, B=Bulge at 15% Strain, P=Penetration Test. Stations, Depths, Offset, and Elevations are in Feet

Testing Service Corporation

STRUCTURE BORING LOG

Page 1 of 1

Date Started 7/12/16

Date Completed 7/12/16

ROUTE _____ DESCRIPTION Riversedge Pedestrian Bridge over Fox River

SECT. _____ STRUCT. NO. 045-P008 DRILLED BY TSC/L-85,248

COUNTY Kane LOCATION Pier 2 S. 22 - N 1/2, TWP. 38N, RNG. 8E

Boring No.	Station	Offset	Surface Elev.	D E P T H	N E V A L U E	Qu tsf	W %	Surface Water Elev.	Groundwater Elev.:	when drilling	at Completion	Rotary Wash	after	Hrs.	D E P T H	N E V A L U E	Qu tsf	W %
SB-102	103+44	1.00ft RT	628.50					628.5	628.5	628.5								
8.5' Water (Fox River)																		
Recovery = 100% RQD = 92%																		
602.50																		
End of Boring at 26.0'																		
CME 55 - Track Rig (#262) Drilled from a Barge Automatic Hammer																		
3.25" ID - HSA 3.0" ID - NQ Casing NWD-4 Core Barrel																		
620.00																		
Loose black SANDY LOAM, some gravel, trace organic, saturated A-2-4																		
619.00																		
Run 1: 9.5' to 14' Recovery = 78% RQD = 0%																		
DOLOMITE: Light gray to pinkish gray, mottled green, Pure, thin to medium bedded, with occasional green clay partings.																		
15.5' - 17' Slightly Fractured																		
21' - 21.5' Slightly Fractured																		
614.50																		
Run 2: 14' to 24' Recovery = 85% RQD = 35%																		
DOLOMITE: Light tanish gray, mottled green, Pure, thin bedded, wavy, undulated with occasional green clay partings, 5 to 10% pin point vugs.																		
Qu = 7300 psi																		
9.5' - 14' Slightly Weathered and Moderately Fractured																		
620.00																		
Run 3: 24' to 26'																		

SPT. (N) = Sum of last two blow values in sample. (Qu) S=Shear, B=Bulge at 15% Strain, P=Penetration Test. Stations, Depths, Offset, and Elevations are in Feet

FILE NAME = 045P008-XXXX-057-BORINGLOG02.dgn

Note:
For Boring Log location, see "GENERAL PLAN & ELEVATION" sheet.



USER NAME = RSTONE	DESIGNED - T. Peceniak	REVISED - -
	CHECKED - P. Frey	REVISED - -
PLOT SCALE = NO SCALE	DRAWN - R. Stone	REVISED - -
PLOT DATE = 10/19/2017	CHECKED - D. Fitzwilliam	REVISED - -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS 2
STRUCTURE NO. 045-P008

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	218
CONTRACT NO.			61E18	

SHEET NO. S-57 OF S-69 SHEETS

ILLINOIS FED. AID PROJECT

Testing Service Corporation

STRUCTURE BORING LOG

Page 1 of 1

Date Started 7/13/16

Date Completed 7/13/16

ROUTE _____ DESCRIPTION Riversedge Pedestrian Bridge over Fox River

SECT. _____ STRUCT. NO. 045-P008 DRILLED BY TSC/L-85,248

COUNTY Kane LOCATION Pier 3 S. 22 - N 1/2, TWP. 38N, RNG. 8E

Boring No.	Station	Offset	Surface Elev.	D E P T H	N E V A L U E	Qu tsf	W %	Surface Water Elev.	Groundwater Elev.:	when drilling	at Completion	Rotary Wash	Hrs.	D E P T H	N E V A L U E	Qu tsf	W %
SB-103	104+58	4.00ft LT	628.50					628.5	628.5								
3.0' Water (Fox River)								603.00									
Loose dark gray SAND and GRAVEL, little organic, saturated A-1-a					7												
Medium dense gray SANDY LOAM, some gravel, saturated A-2-4					27		15.1										
Weathered/Fractured Bedrock or Possible Boulder Zone [Hard Drilling]					25		7.6										
DOLOMITE: Light gray to pinkish gray, mottled green, Pure, thin bedded, wavy, undulated with occasional green clay partings, 15 to 20% pin point vugs.																	
17' - 20' Slightly weathered at bedding planes																	
DOLOMITE: Light tanish gray, mottled green, Pure, thin to thick bedded, with occasional green clay partings, 10 to 15% pin point vugs.																	
25.5' - 34' Slightly Fractured																	
End of Boring at 34.0'																	
CME 55 - Track Rig (#262) Drilled from a Barge Automatic Hammer																	
3.25" ID - HSA 3.0" ID - NQ Casing NWD-4 Core Barrel																	
DOLOMITE: Light gray to pinkish gray, mottled green, Slightly Weathered, Pure, thin bedded, wavy, undulated with occasional green clay partings, 15 to 20% pin point vugs.																	
Run 1: 17' to 19' Recovery = 58% RQD = 0%																	
Run 2: 19' to 29' Recovery = 100% RQD = 32%																	
Run 3: 29' to 34' Recovery = 100% RQD = 33%																	
Run 2: 19' to 29' Recovery = 100% RQD = 32%																	
Qu = 8000 psi																	

SPT. (N) = Sum of last two blow values in sample. (Qu) S=Shear, B=Bulge at 15% Strain, P=Penetration Test. Stations, Depths, Offset, and Elevations are in Feet

Testing Service Corporation

STRUCTURE BORING LOG

Page 1 of 1

Date Started 7/18/16

Date Completed 7/18/16

ROUTE _____ DESCRIPTION Riversedge Pedestrian Bridge over Fox River

SECT. _____ STRUCT. NO. 045-P008 DRILLED BY TSC/L-85,248

COUNTY Kane LOCATION Pier 4 S. 22 - N 1/2, TWP. 38N, RNG. 8E

Boring No.	Station	Offset	Surface Elev.	D E P T H	N E V A L U E	Qu tsf	W %	Surface Water Elev.	Groundwater Elev.:	when drilling	at Completion	Rotary Wash	Hrs.	D E P T H	N E V A L U E	Qu tsf	W %
SB-104	105+53	2.50ft LT	629.50														
Black to dark gray ORGANIC CLAY, very moist A-8																	
Sample 1: LOI = 12.5% Wet Combustion = 8.1%																	
Sample 2: LOI = 10.1% LL/PL/PI = 56/27/29																	
DOLOMITE: Light tanish gray, mottled green, Pure, thin to thick bedded, with occ. green clay partings, vesicular in thin zones, otherwise dense.																	
Run 1: 15' to 17' Recovery = 87% RQD = 75%																	
Run 2: 17' to 27' Recovery = 77% RQD = 20%																	
Qu = 7250 psi																	
DOLOMITE: Light tanish gray, mottled green, Pure, thin to thick bedded, with occasional green clay partings, vesicular in thin zones, otherwise dense.																	
Run 3: 27' to 32' Recovery = 100% RQD = 87%																	
23' Slightly Fractured																	
End of Boring at 32.0'																	
CME 55 - Track Rig (#262) Automatic Hammer																	
3.25" ID - HSA 3.0" ID - NQ Casing NWD-4 Core Barrel																	
DOLOMITE: Light gray to pinkish gray, mottled green, Slightly Weathered, Pure, thin bedded, wavy, undulated with occasional green clay partings, 15 to 20% pin point vugs.																	
Run 1: 15' to 17' Recovery = 87% RQD = 75%																	
Run 2: 17' to 27' Recovery = 77% RQD = 20%																	
Qu = 7250 psi																	
DOLOMITE: Light tanish gray, mottled green, Pure, thin to thick bedded, with occasional green clay partings, vesicular in thin zones, otherwise dense.																	




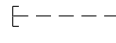








SPT. (N) = Sum of last two blow values in sample. (Qu) S=Shear, B=Bulge at 15% Strain, P=Penetration Test. Stations, Depths, Offset, and Elevations are in Feet

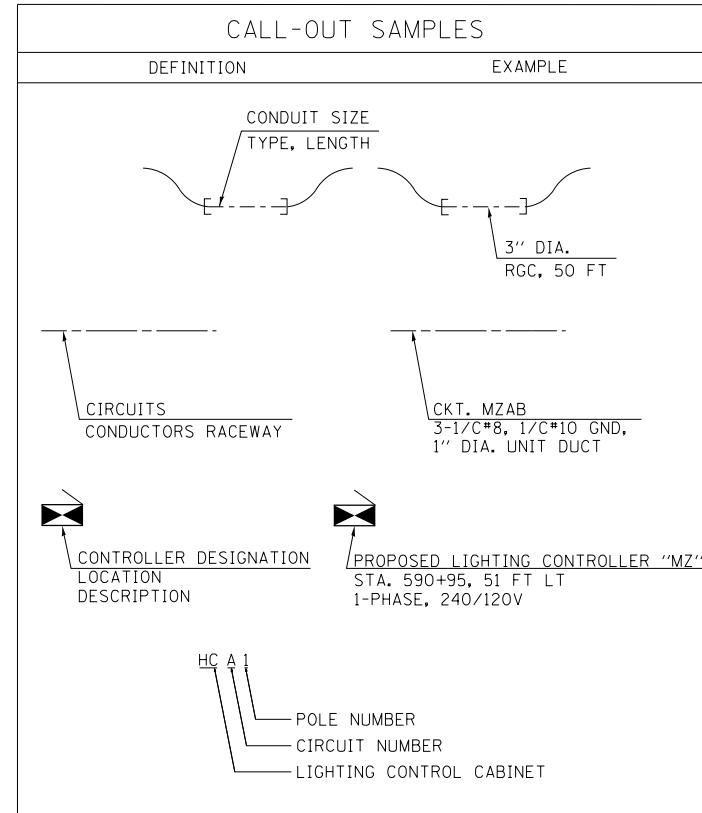
FILE NAME = 045P008-XXXX-058-BORINGLOG03.dgn

Note: For Boring Log location, see "GENERAL PLAN & ELEVATION" sheet.

	USER NAME = RSTONE	DESIGNED - T. Peceniak	REVISED - -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">BORING LOGS 3 STRUCTURE NO. 045-P008</p>	F.A.U. REE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = NO SCALE	CHECKED - P. Frey	REVISED - -			2503	16-00313-00-MS	KANE	254	219
	PLOT DATE = 10/19/2017	DRAWN - R. Stone	REVISED - -			CONTRACT NO.		61E18		
	CHECKED - D. Fitzwilliam	REVISED - -	SHEET NO. S-58 OF S-69 SHEETS			ILLINOIS FED. AID PROJECT				

LEGEND

-  Proposed lighting unit, Handrail Mounted
24V LED Tapelight Luminaire, 3.0W/FT, White
-  Proposed lighting unit, Center Mounted
24V LED Tapelight Luminaire, 2.2W/FT, RGB
-  Proposed Underbridge Luminaire, Bracket Mount,
380v, 80w, RGBW
-  Underground rigid galvanized steel conduit (rgc)
size as indicated
-  Existing cable and conduit to remain in place
-  Proposed lighting controller cabinet, Single
door, Console type, 240/120v, 1Ø
-  Existing lighting controller cabinet
-  Proposed electric handhole
-  Proposed LED driver
24V, 200W, Class 2 magnetic driver
(Alternate Symbol used on Line Diagram)
-  Proposed LED driver
24V, 150W, Class 2 magnetic driver
-  DMX Decoder, 24V, 4-Channel
-  Power-Data Converter, 380VDC, DMX Control



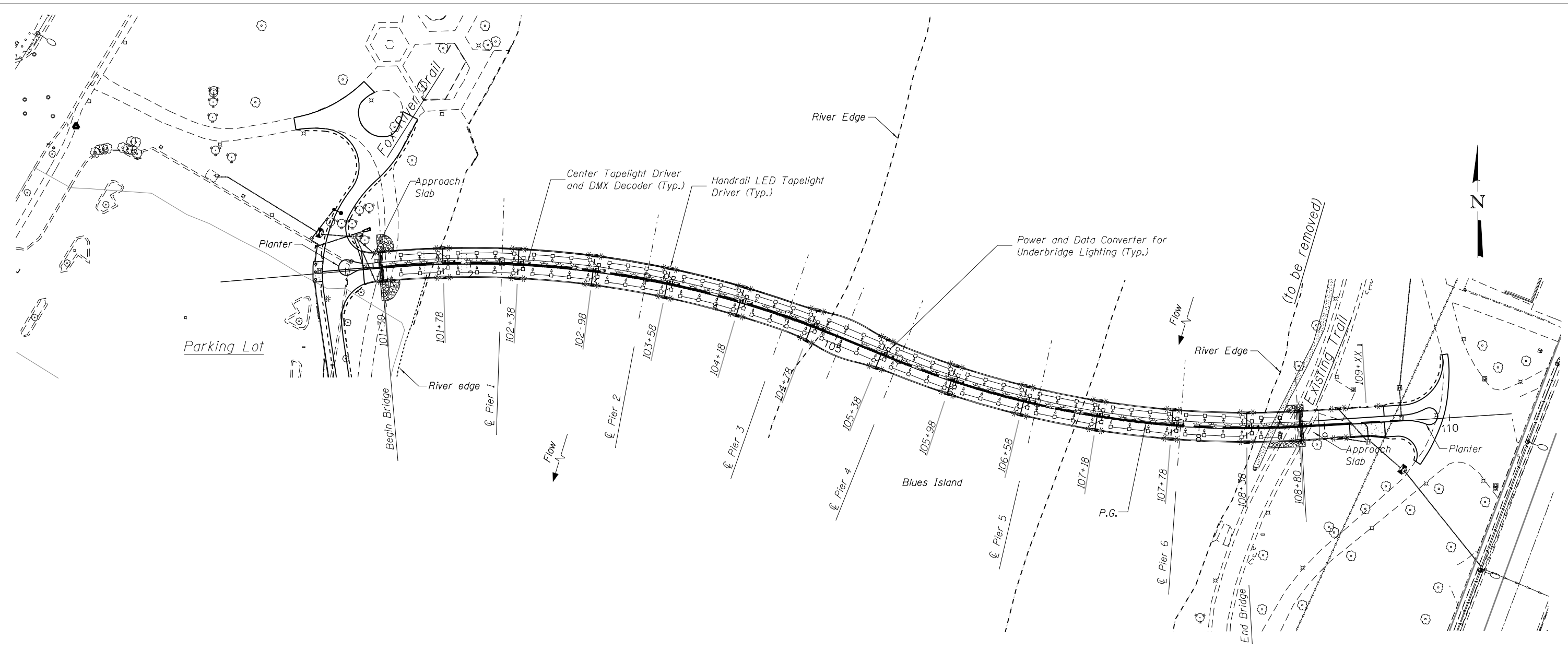
ABBREVIATIONS	
SYMBOL	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CNC	COILABLE NONMETALLIC CONDUIT
CT	CURRENT TRANSFORMER
CP	CONTROL PANEL
DIA.	DIAMETER
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
FT	FEET OR FOOT
FND MET	FOUNDATION METAL
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HPS	HIGH PRESSURE SODIUM
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LUM.	LUMINAIRE
M	METER
M.A.	MAST ARM
M.H.	MOUNTING HEIGHT
NEUT.	NEUTRAL
NO. #	NUMBER
RGC	RIGID GALVANIZED CONDUIT
RGS	RIGID GALVANIZED STEEL
STA	STATION
T	TEMPORARY LIGHTING UNIT
TB	TRANSFORMER BASE
TMP	TEMPORARY
UD	UNIT DUCT
WP	WOOD POLE
XFMR	TRANSFORMER

GENERAL NOTES:

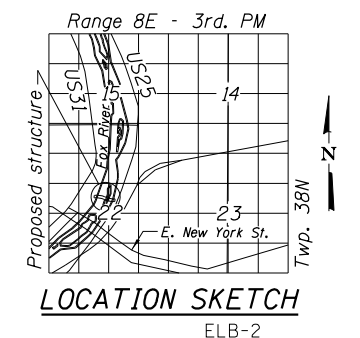
1. The contractor shall verify all of the information shown on the contract drawings which would affect the work under this contract.
2. It is the responsibility of the contractor to ascertain existing field conditions before bidding on this project, Specifically as they relate to lump sum items.
3. All new conduits, unit ducts, direct burial cables, and appurtenances are indicated diagrammatically on the drawings. the actual locations in the field shall meet with approval of the engineer.
4. The electrical work shall be performed in accordance with the IDOT standard specifications for road and bridge construction and associated supplemental conditions (latest edition).
5. The scale shown on plan drawings applies only to the full size plans and not to reduced size plans.
6. The contractor shall furnish and install luminaire lamps in accordance with the manufacturer's recommendations and in accordance with the specifications. The cost of this work and material shall be included in the applicable luminaire pay item. Separate payment will not be made.
7. Conduits and unit ducts shall be installed at a minimum 30" depth below grade and positioned in the field to avoid conflict with roadway underdrains and other existing and proposed utilities. the contractor shall increase depth of unit duct and conduit as required at no additional cost to the state. the contractor shall coordinate raceway depth with the electrical details and the engineer.
8. Unless noted otherwise, all rigid galvanized conduit shall be installed by boring and pulling.

FILE NAME = 045P008-XXXX-060-ELECTRIC_GENNOTES.dgn

FILE NAME = 045P008-XXXX-061-ELECTRIC_PLAN.dgn



NOTES:
 Station locations for the LED drivers are approximate.
 All LED drivers and transverse conduit will be located coincident with Railing Posts.
 See Conduit Details and Lighting Plan for Fixture and Driver Layout.



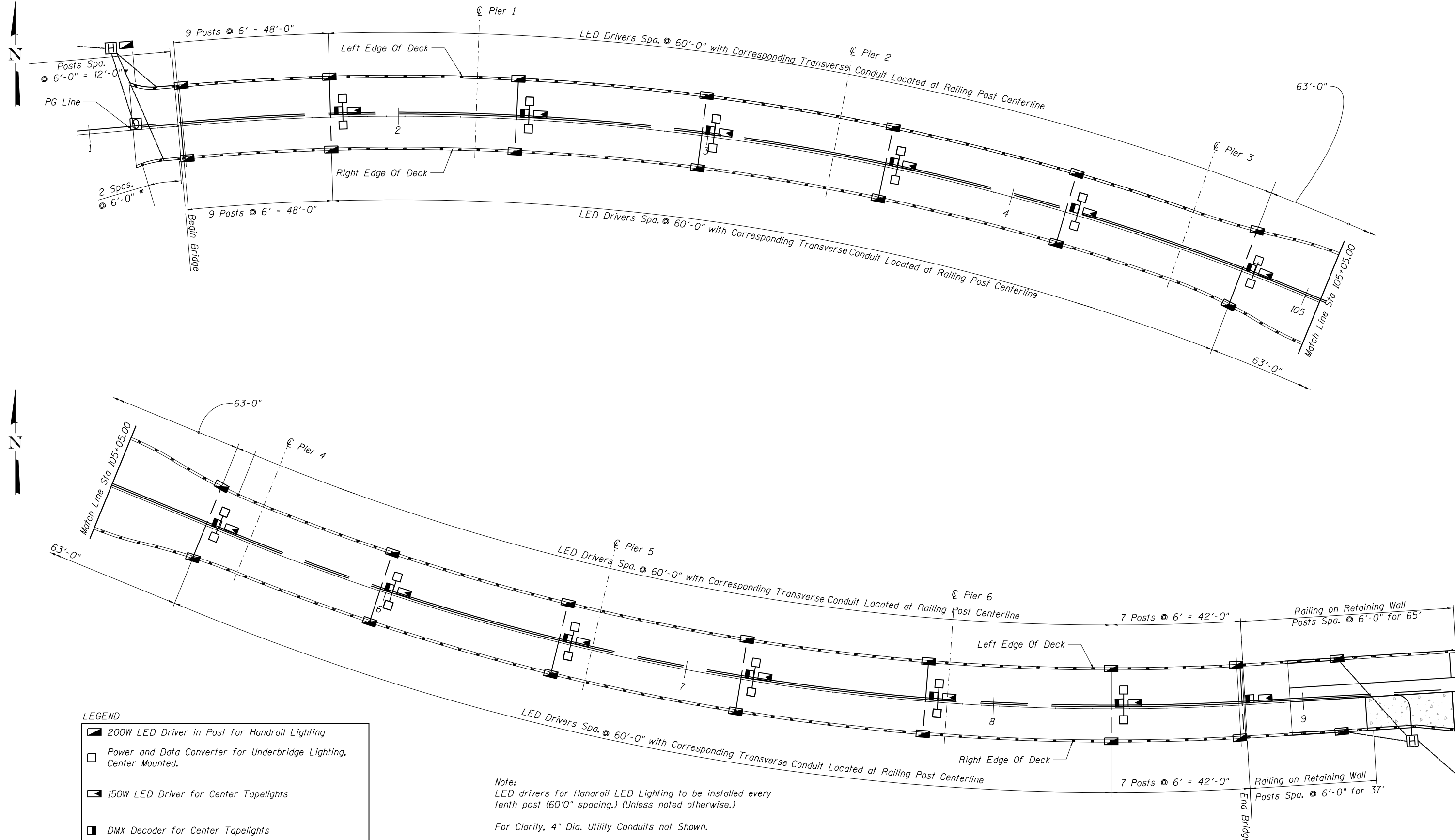
TYLIN INTERNATIONAL	USER NAME = RSTONE	DESIGNED - S. Ficker	REVISED - -
	PLOT SCALE = NO SCALE	CHECKED - B. Molendyk	REVISED - -
	PLOT DATE = 10/19/2017	DRAWN - J. Marhoul	REVISED - -
		CHECKED - S. Ficker	REVISED - -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**





**BRIDGE ELECTRIC - GENERAL PLAN
 STRUCTURE NO. 045-P008**

SHEET NO. S-61 OF S-69 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	222
CONTRACT NO.			61E18	
ILLINOIS FED. AID PROJECT				



LEGEND

-  200W LED Driver in Post for Handrail Lighting
-  Power and Data Converter for Underbridge Lighting, Center Mounted.
-  150W LED Driver for Center Tapelights
-  DMX Decoder for Center Tapelights

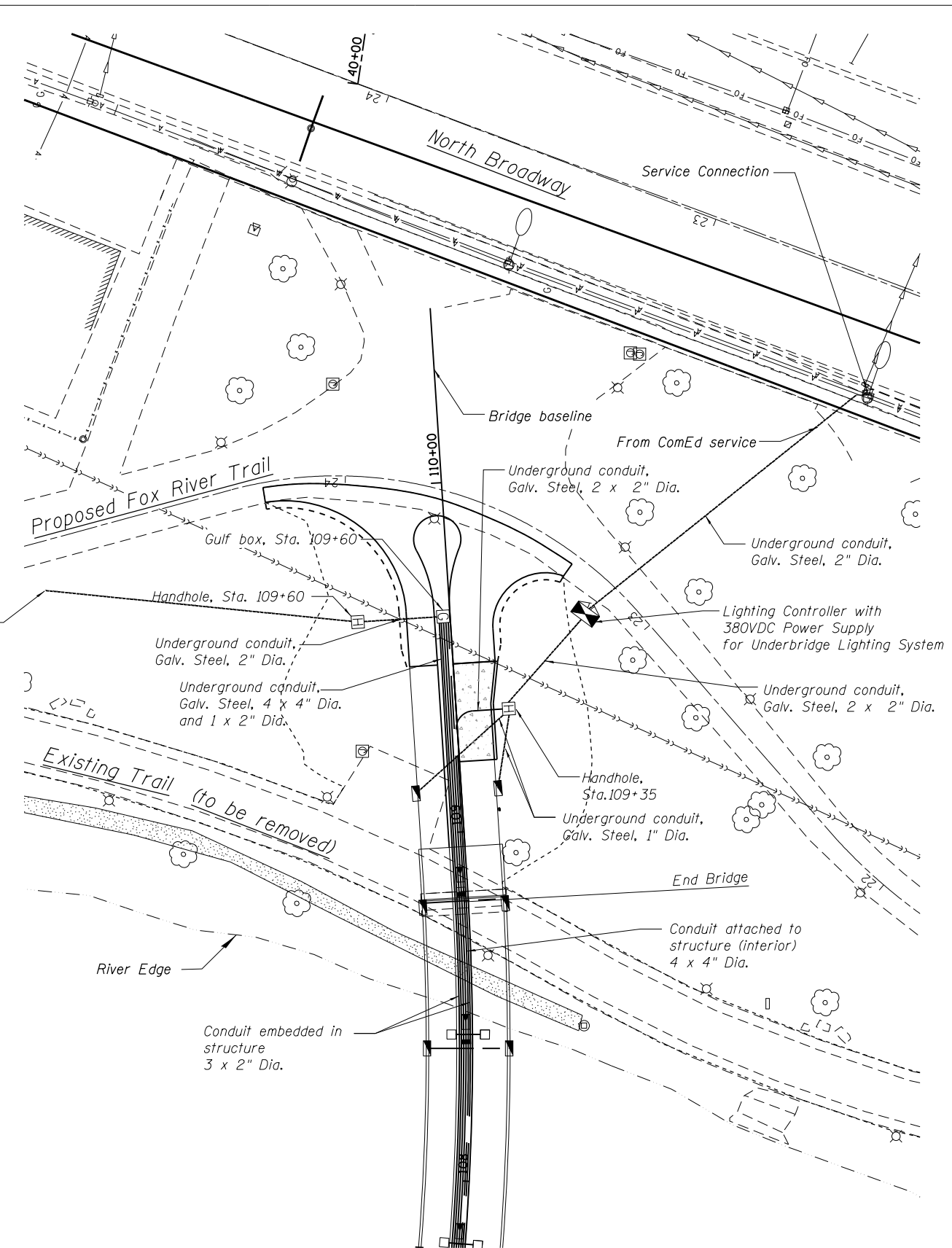
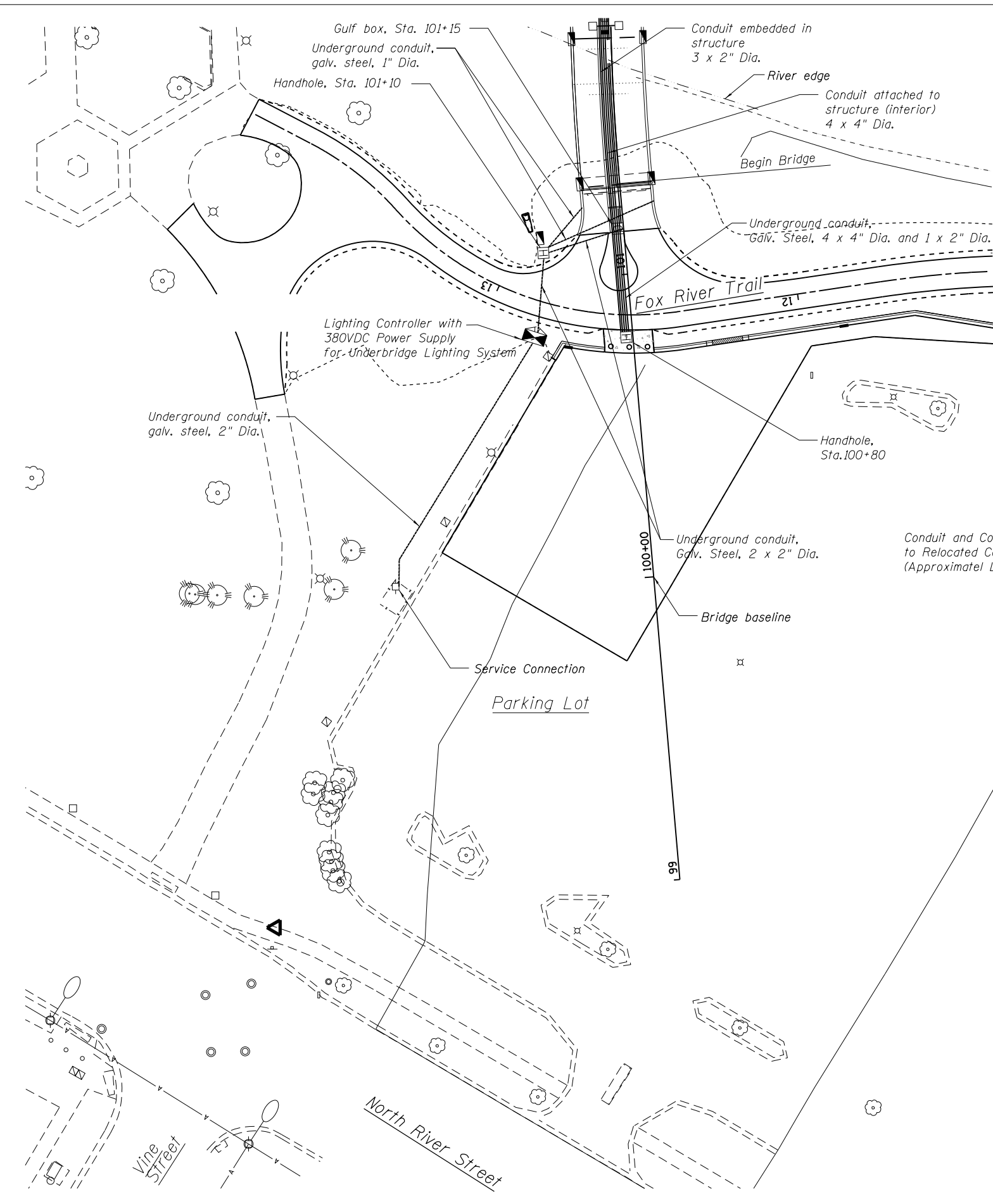
Note:
LED drivers for Handrail LED Lighting to be installed every tenth post (60'-0" spacing.) (Unless noted otherwise.)
For Clarity, 4" Dia. Utility Conduits not Shown.

LED DRIVER PLAN

FILE NAME = 045P008-XXXX-062-ELECTRIC-SCHEMATIC.dgn

TYLIN INTERNATIONAL	USER NAME = RSTONE	DESIGNED - S. Ficker	REVISED - -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE ELECTRIC - SCHEMATIC PLAN STRUCTURE NO. 045-P008	F.A.U. RTE. 2503	SECTION 16-00313-00-MS	COUNTY KANE	TOTAL SHEETS 254	SHEET NO. 223
	PLOT SCALE = NO SCALE	DRAWN - J. Marhouf	REVISED - -			SHEET NO. S-62 OF S-69 SHEETS	CONTRACT NO. 61E18	ILLINOIS FED. AID PROJECT		
PLOT DATE = 10/19/2017		CHECKED - S. Ficker	REVISED - -	ELB-3						

FILE NAME = 045P008-XXXX-063-ELECTRIC_INSERT.dgn



USER NAME = RSTONE	DESIGNED - S. Ficker	REVISED - -
PLOT SCALE = NO SCALE	CHECKED - B. Molendyk	REVISED - -
PLOT DATE = 10/19/2017	DRAWN - J. Marhoul	REVISED - -
	CHECKED - S. Ficker	REVISED - -

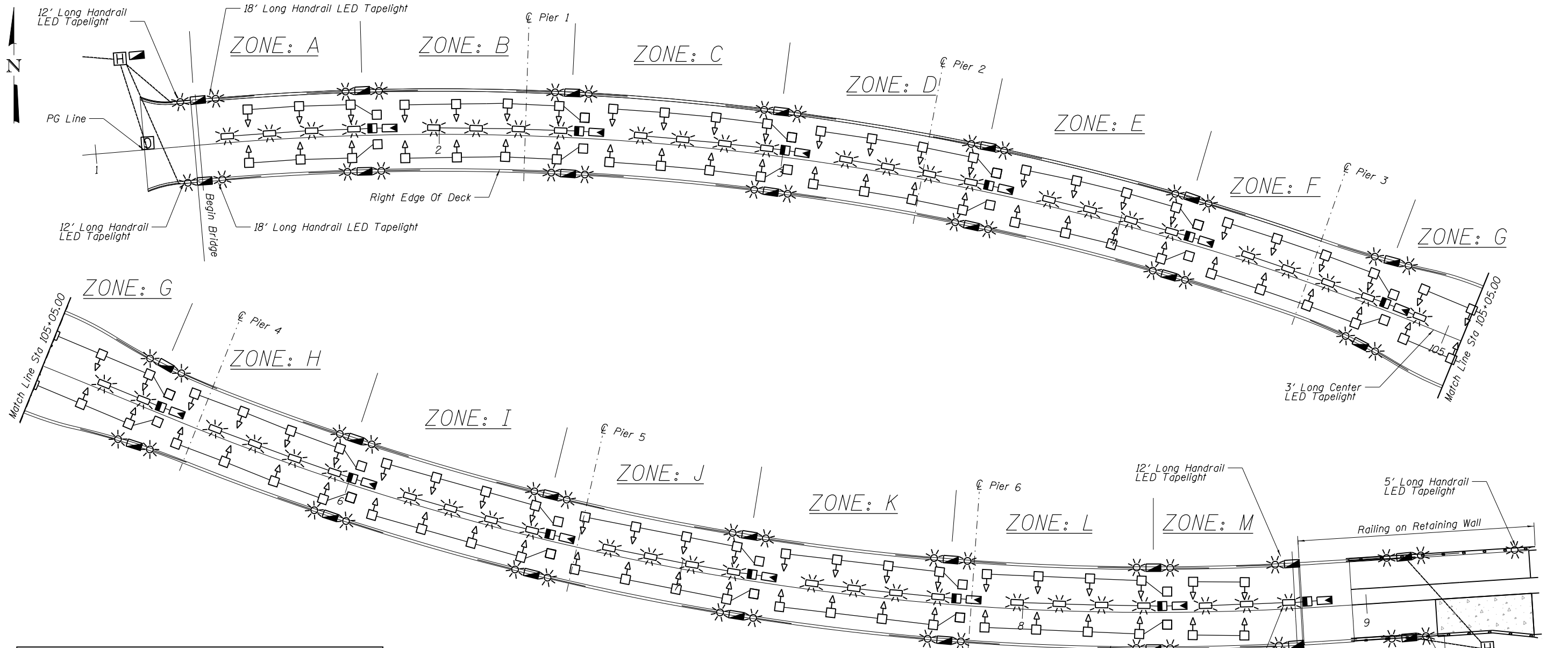
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BRIDGE ELECTRIC - CONTROLLERS AND UNDERGROUND PLAN
 STRUCTURE NO. 045-P008**

SHEET NO. S-63 OF S-69 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	224
CONTRACT NO.			61E18	
ILLINOIS FED. AID PROJECT				

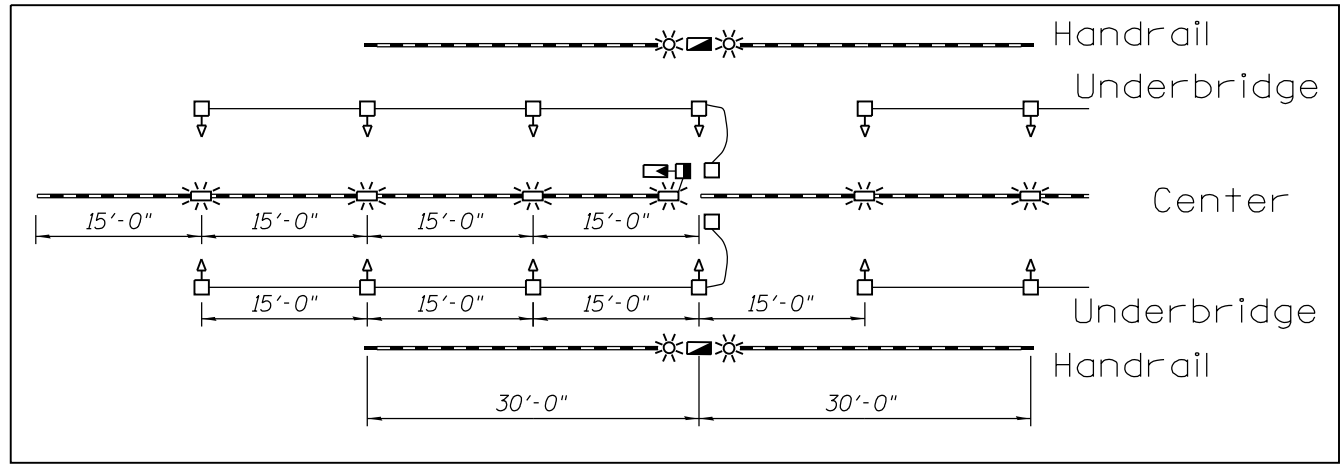
ELB-4



ZONE: A Zone Designation for Control of Center and Underbridge Lighting

- ▣ 200W LED Driver in Post for Handrail Lighting
- Power and Data Converter for Underbridge Lighting Center Mounted
- ▣ 150W LED Driver, Center Mounted for Center Tapelights
- ▣ DMX, Decoder for Center Mounted Tapelights
- ☀ LED Tapelight Luminaire, Center Mounted, 24V, 2.2W/Ft. RGB
- ⬆ LED Underbridge Luminaire, Bracket Mounted, 380V, 80W, RGBW
- ☀ LED Tapelight Luminaire, Handrail Mounted, 24V, 3.0W/Ft. White

LEGEND



TYPICAL FIXTURE LAYOUT
FIXTURE PLAN

- Notes:
- 1) LED drivers for handrail lighting to be installed every tenth post (60'0" spacing.) (Unless noted otherwise.)
 - 2) 30' Nominal length assumed per handrail tapelight fixture. (Unless Noted Otherwise)
 - 3) 15' Nominal length assumed per Center tapelight fixture. (Unless Noted Otherwise)

FILE NAME = 045P008-XXXX-064-ELECTRIC_LIT_PLAN.dwg

	USER NAME = RSTONE	DESIGNED - S. Ficker	REVISED - -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE ELECTRIC - LIGHTING PLAN STRUCTURE NO. 045-P008	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = NO SCALE	CHECKED - B. Molendyk	REVISED - -			2503	16-00313-00-MS	KANE	254	225
	PLOT DATE = 10/19/2017	DRAWN - J. Marhoul	REVISED - -			CONTRACT NO.		61E18		

ELB-5

SHEET NO. S-64 OF S-69 SHEETS

ILLINOIS FED. AID PROJECT

CKTS: AA, AB, AC, AD, AE & AF
 4-#8, 2-#8 NEUT., 1-#10 GND.
 CKT AC & AD
 CABLE PER LUM. MANUFACTURER
 2" DIA. CONDUIT

UNDERGROUND UTILITY
 2-#3, 1-#6 GND.
 2" DIA. CONDUIT

CKT AA
 1-#8, 1-#8 NEUT., 1-#10 GND.,
 1" DIA. CONDUIT

CKTS: AA, AB, AE & AF
 4-#8, 2-#8 NEUT., 1-#10 GND.,
 2" DIA. CONDUIT

CONDUIT FOR UNDERBRIDGE POWER
 CKT AC & AD
 CABLE PER LUM. MANUFACTURER
 2" DIA. CONDUIT

CKT AB
 1-#8, 1-#8 NEUT., 1-#10 GND.,
 1" DIA. CONDUIT

CONDUIT FOR UNDERBRIDGE CONTROL
 2" DIA.

SEE DETAIL "A"
 CONDUIT DETAILS SHEET

CONDUIT FOR UNDERBRIDGE CONTROL
 2" DIA. CONDUIT

CKT BA
 1-#8, 1-#8 NEUT., 1-#10 GND.,
 1" DIA. CONDUIT

CKTS: BA, BB, BE & BF
 4-#8, 2-#8 NEUT., 1-#10 GND.,
 2" DIA. CONDUIT

UNDERGROUND UTILITY
 2-#3, 1-#6 GND.
 2" DIA. CONDUIT

CONDUIT FOR UNDERBRIDGE POWER
 CKT: BC & BD
 CABLE PER LUM MANUFACTURER,
 2" DIA. CONDUIT

CKT BB
 1-#8, 1-#8 NEUT., 1-#10 GND.,
 1" DIA. CONDUIT

LEGEND

- LED UNDERBRIDGE LUMINAIRE, BRACKET MOUNTED, 380V, 80W, RGB (RED PHASE)
- LED UNDERBRIDGE LUMINAIRE, BRACKET MOUNTED, 380V, 80W, RGB (BLACK PHASE)
- LED TAPELIGHT LUMINAIRE, HANDRAIL MOUNTED, 24V, 3.0W/FT, WHITE (RED PHASE)
- LED TAPELIGHT LUMINAIRE, HANDRAIL MOUNTED, 24V, 3.0W/FT, WHITE (BLACK PHASE)
- LED TAPELIGHT LUMINAIRE, CENTER MOUNTED, 24V, 2.2W/FT, RGB (RED PHASE)
- LED TAPELIGHT LUMINAIRE, CENTER MOUNTED, 24V, 2.2W/FT, RGB (BLACK PHASE)
- LIGHTING CONTROLLER, 240/120V
- DMX CONTROLLER
- JUNCTION BOX 6" x 6" x 18" NEMA 3R (POWER)
- ELECTRIC HANDHOLE
- JUNCTION BOX 6" x 6" x 18" NEMA 3R (CONTROL)
- LED DRIVER, 24V, 150W, CLASS 2 MAGNETIC DRIVER
- LED DRIVER, 24V, 200W, CLASS 2 MAGNETIC DRIVER
- POWER AND DATA CONVERTER FOR UNDERBRIDGE LIGHTING

LOAD TABLE
 LIGHTING CONTROLLER "A"
 (@ 240/120 VOLT)

CIRCUIT	BLACK PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	4.85	1165	B	4.85	1165
C	7.81	1875	D	7.81	1875
E	1.6	383	F	1.6	383
G	0	0	H	0	0
TOTAL	14.26	3423	TOTAL	14.26	3423

LOAD TABLE
 LIGHTING CONTROLLER "B"
 (@ 240/120 VOLT)

CIRCUIT	BLACK PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	5.52	1324	B	5.17	1240
C	8.81	2115	D	8.81	2115
E	1.56	374	F	1.56	374
G	0	0	H	0	0
TOTAL	15.89	3813	TOTAL	15.54	3729

ELB-6

FILE NAME = 045P008-XXXX-065-ELECTRIC-LINE.dgn

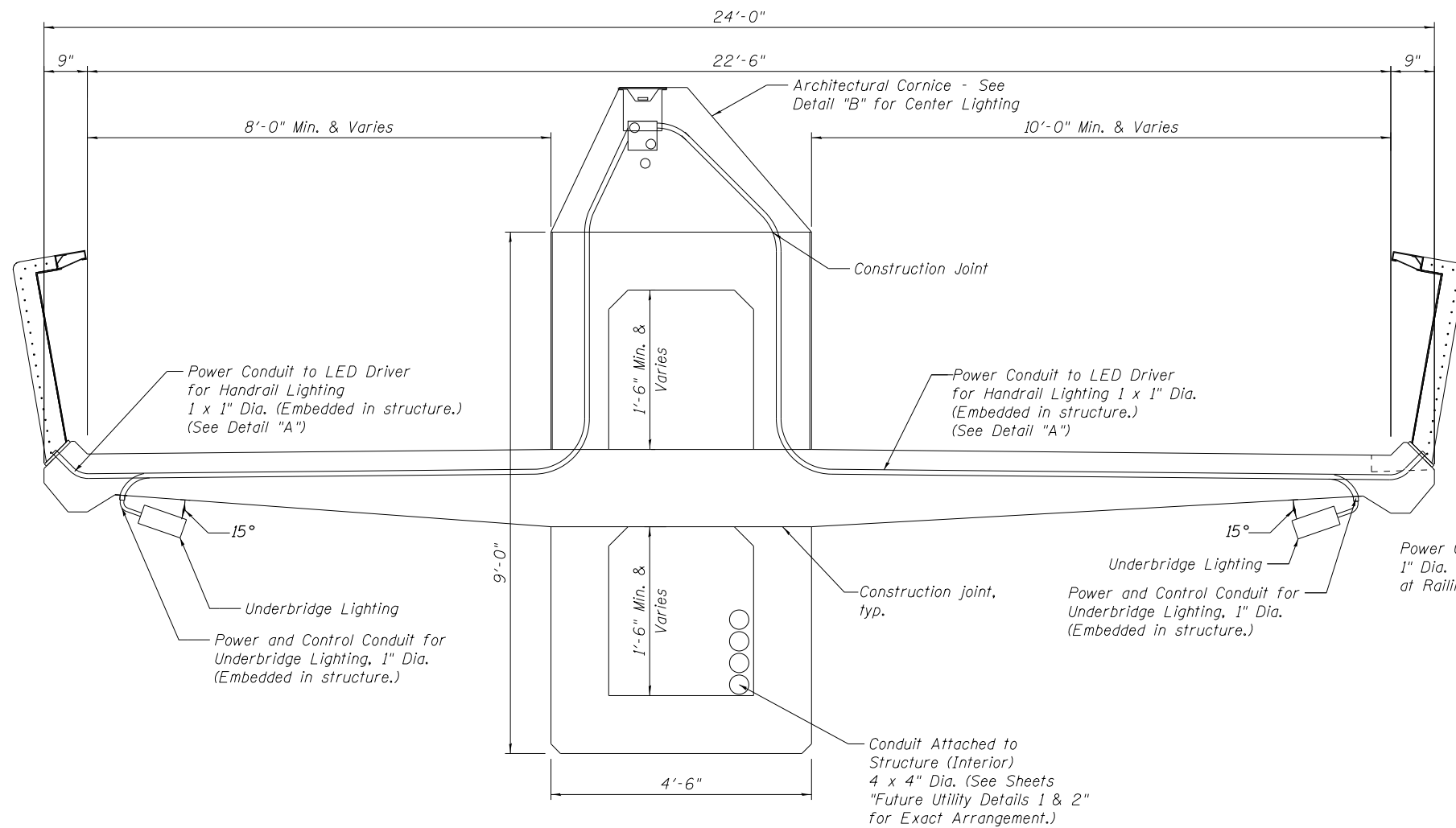
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	PLOT DATE = 10/19/2017	DRAWN - J. Marhoul	REVISED - -
		CHECKED - S. Ficker	REVISED - -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

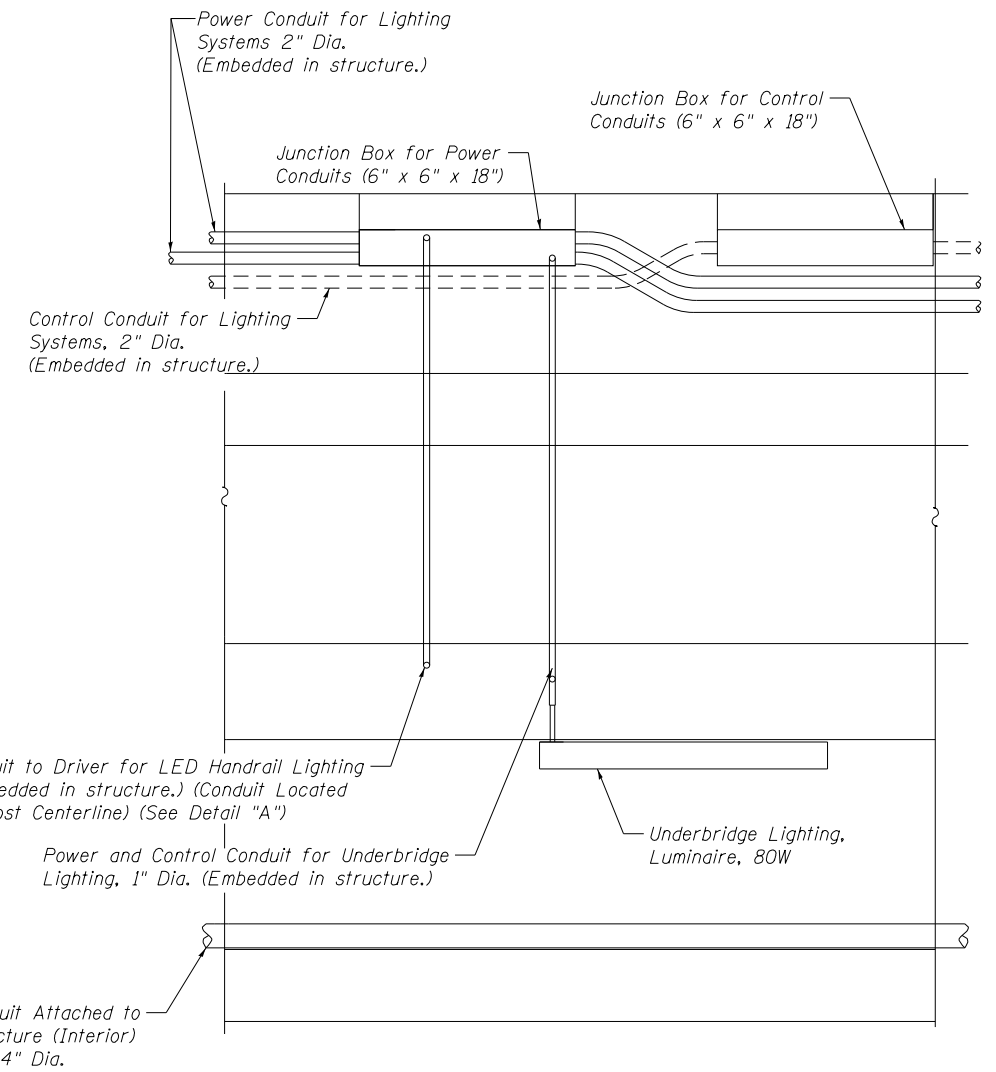
**BRIDGE ELECTRIC - SINGLE LINE DIAGRAM
 STRUCTURE NO. 045-P008**

SHEET NO. S-65 OF S-69 SHEETS

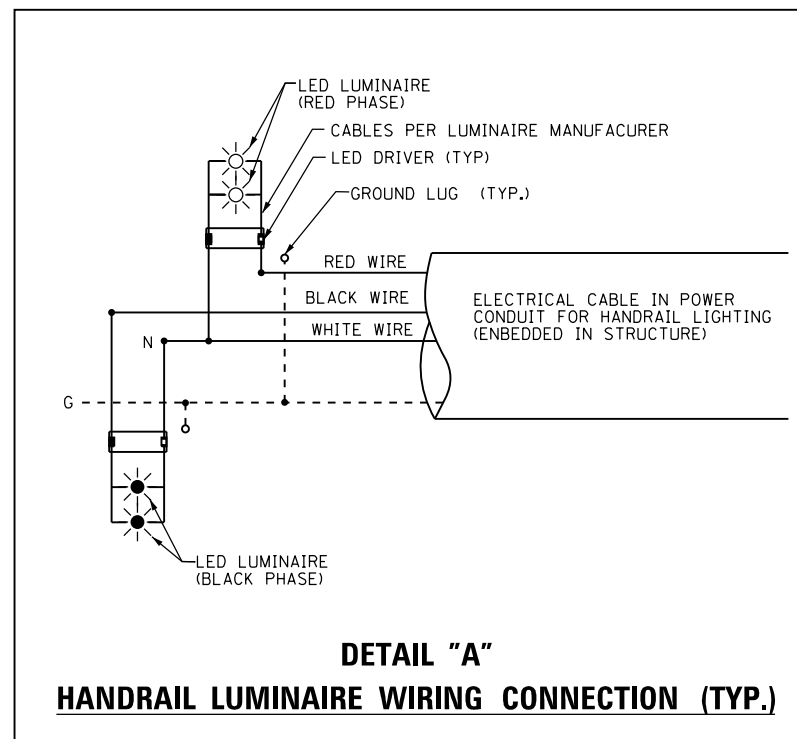
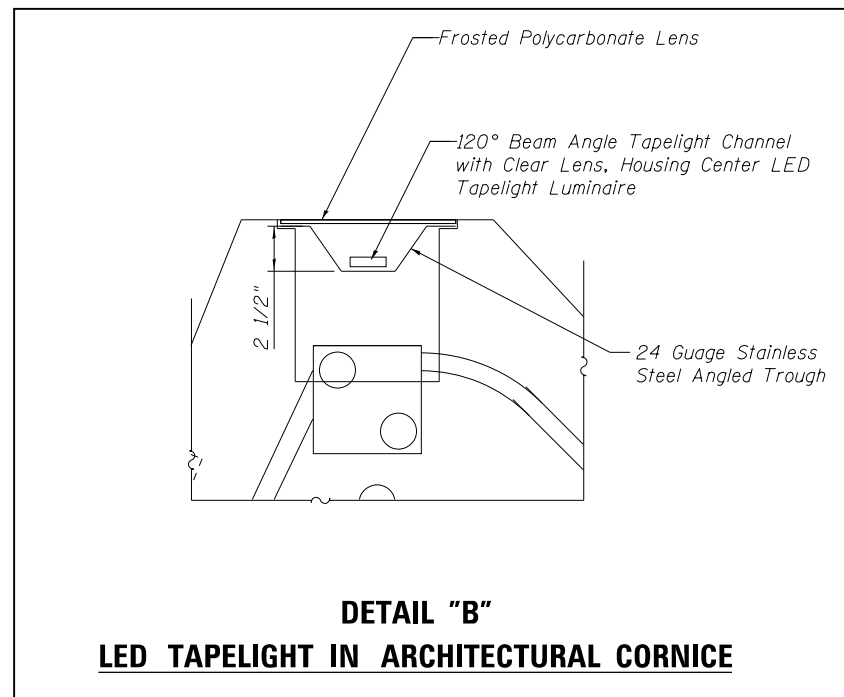
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2503	16-00313-00-MS	KANE	254	226
CONTRACT NO.			61E18	
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION



DETAIL (ELEVATION)



FILE NAME = 045P008-XXXX-066-ELECTRIC_DETAILS.dgn

TYLIN INTERNATIONAL

USER NAME = RSTONE	DESIGNED - S. Ficker	REVISED - -
PLOT SCALE = NO SCALE	CHECKED - B. Molendyk	REVISED - -
PLOT DATE = 10/19/2017	DRAWN - J. Marhouli	REVISED - -
	CHECKED - S. Ficker	REVISED - -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE ELECTRIC - CONDUIT DETAILS
STRUCTURE NO. 045-P008

SHEET NO. S-66 OF S-69 SHEETS

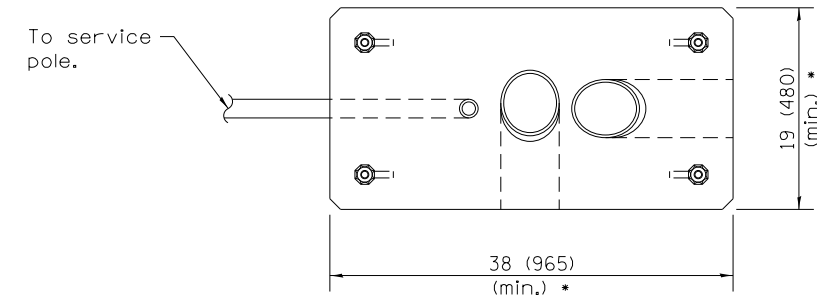
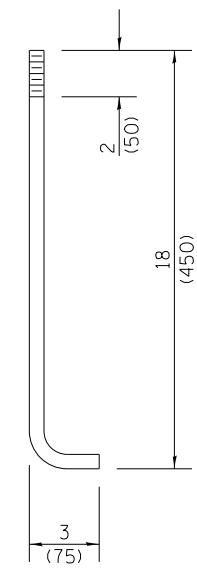
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CONTRACT NO.				61E18

ELB-7

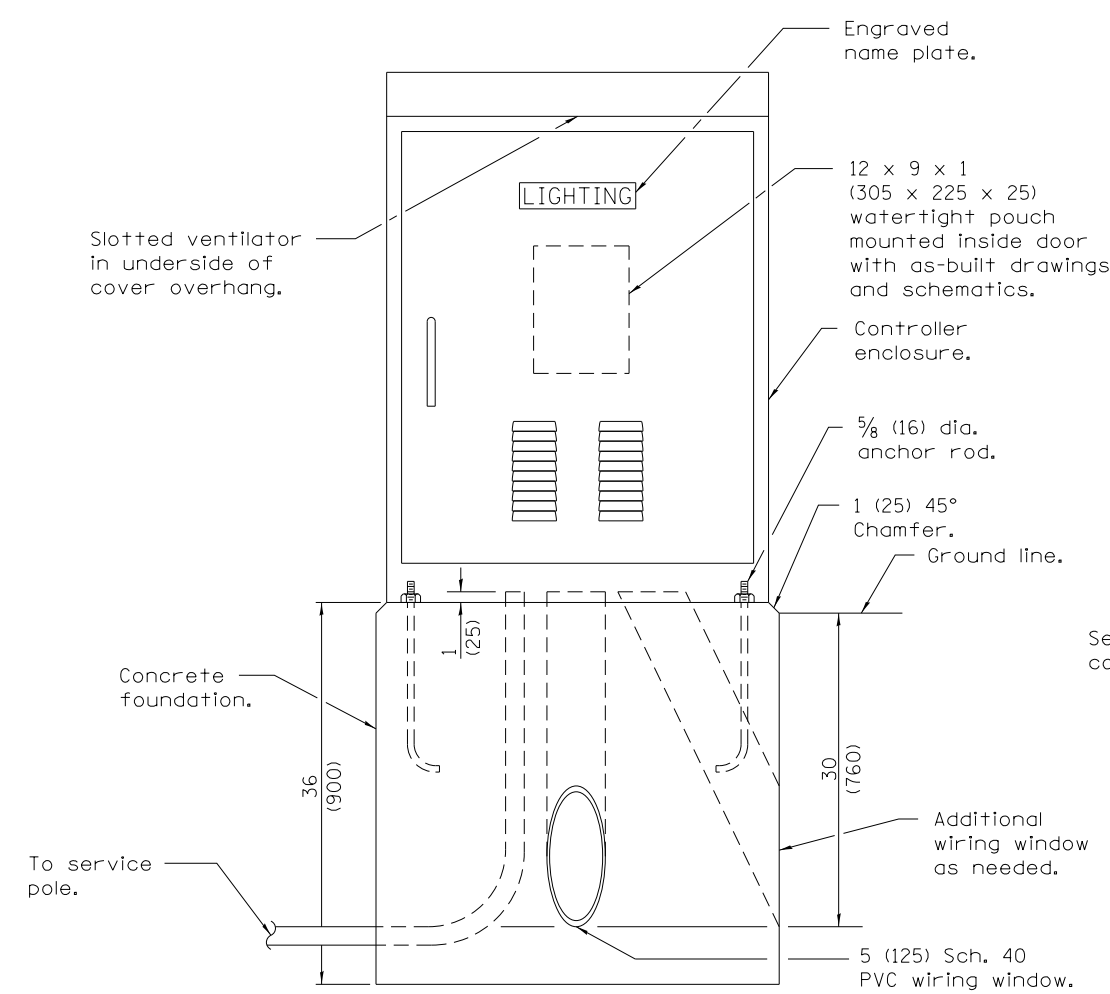
ILLINOIS FED. AID PROJECT

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**ANCHOR ROD
DETAIL**



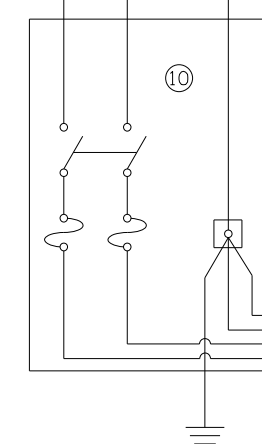
FOUNDATION (PLAN)
(Work pad not shown.)



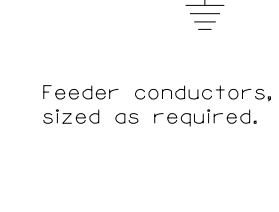
LIGHTING CONTROLLER

Controller enclosure, minimum dimensions: 50H x 36W x 17D * (1270 x 915 x 430)

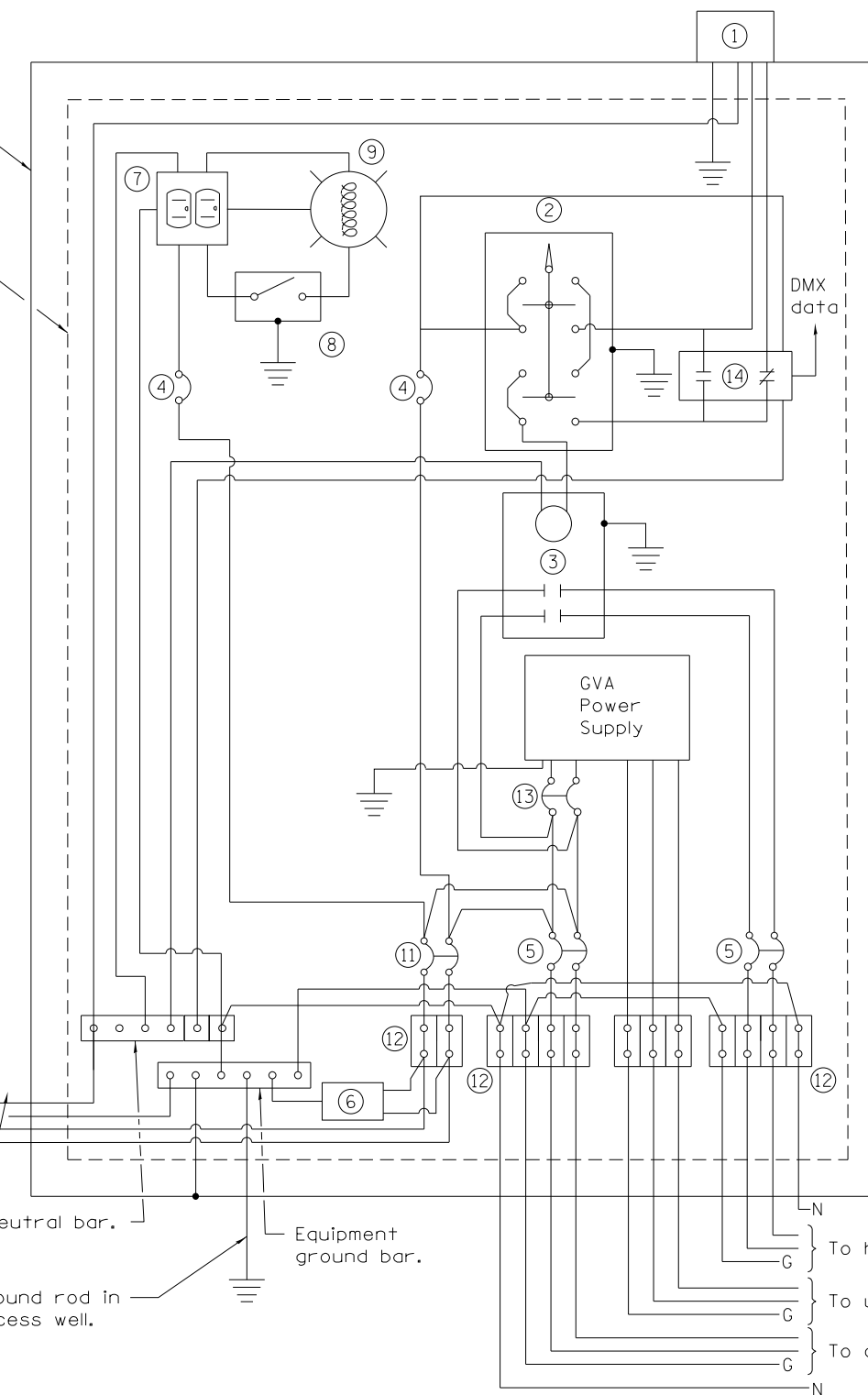
Service conductors.



Feeder conductors, sized as required.



Insulated mounting board.



CONTROL SCHEMATIC

- ① Photocell with integral surge arrester.
- ② HAND-OFF-AUTO selector switch.
- ③ 100 amp*, electrically held contactor.
- ④ 15 amp, 1-pole circuit breaker.
- ⑤ 20 amp*, 2-pole circuit breaker (two spares required but not shown).
- ⑥ Surge arrester.
- ⑦ GFCI duplex receptacle.
- ⑧ Single-pole, single-throw switch.
- ⑨ Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
- ⑩ Service disconnect switch - 2-pole, 3-wire, 100 amp*, fused at 100 amp*, solid neutral in NEMA 4X enclosure having lockable external handle.
- ⑪ 100 amp*, 2-pole circuit breaker.
- ⑫ Terminal block sized for conductors as shown on plans.
- ⑬ 30 amp, 20-pole circuit breaker
- ⑭ Two independently controlled DMX Relays. Relays to fail as indicated upon loss of data input.

* Size larger as needed.

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

NOTE: CONTROLLER BASED ON IL HIGHWAY STANDARD 825021-03 WITH MODIFICATIONS TO TERMINAL BLOCK AND LIGHTING CIRCUITS.

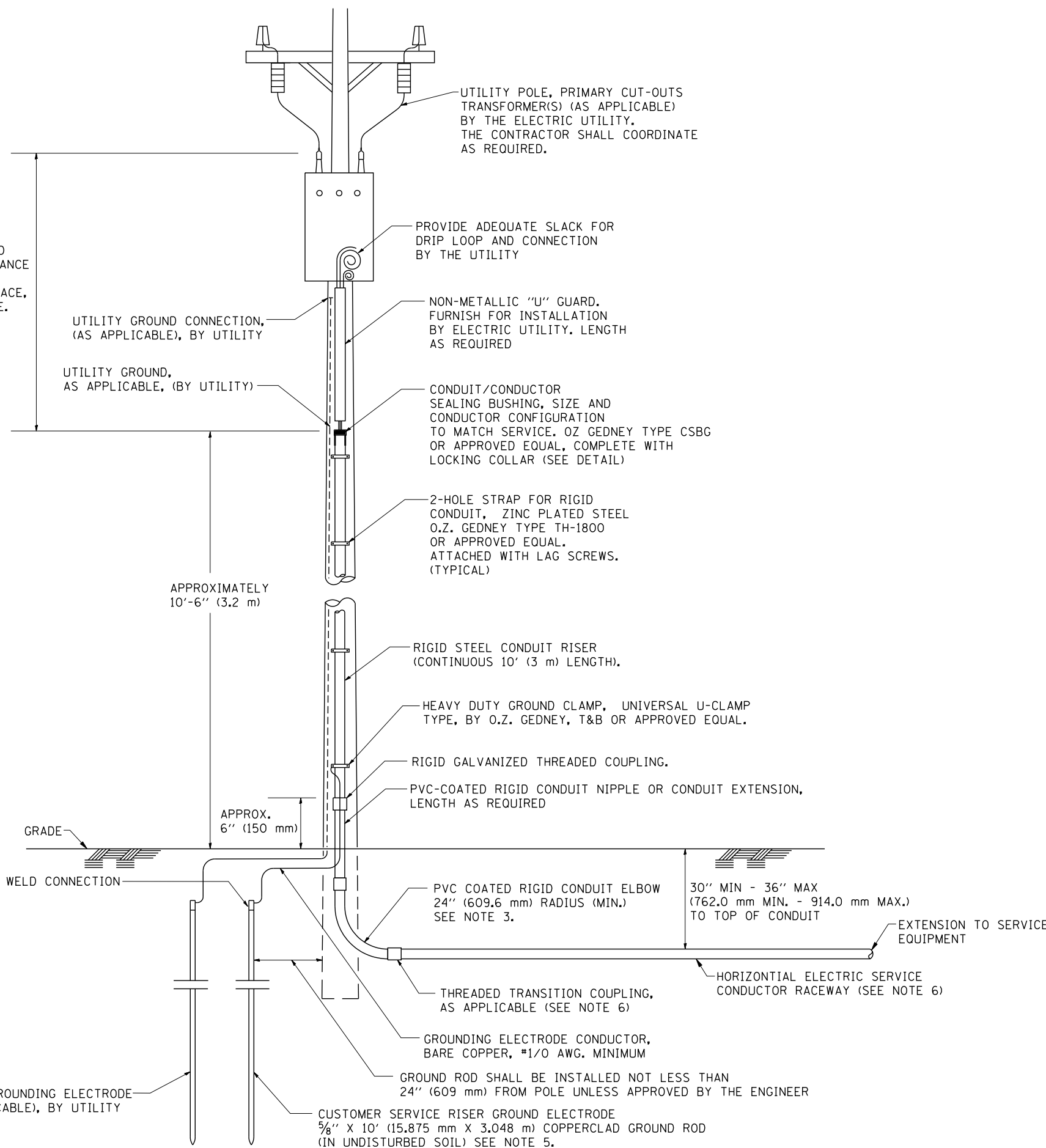
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ELB-8

SHEET NO. S-67 OF S-69 SHEETS

ILLINOIS FED. AID PROJECT

ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.

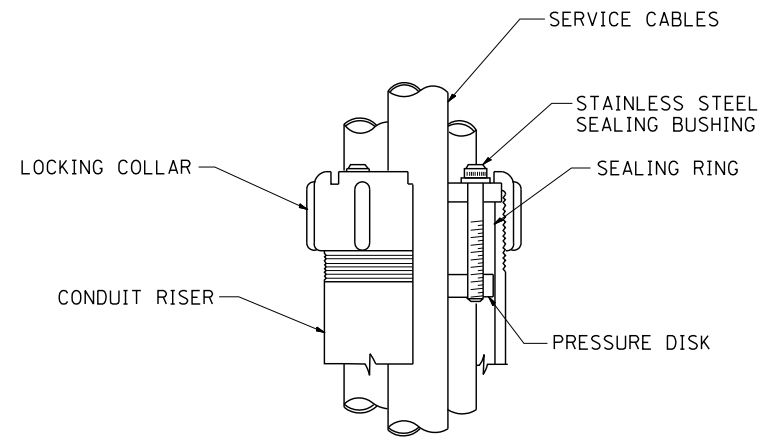


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALLIC TO NON METALLIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

ELB-9

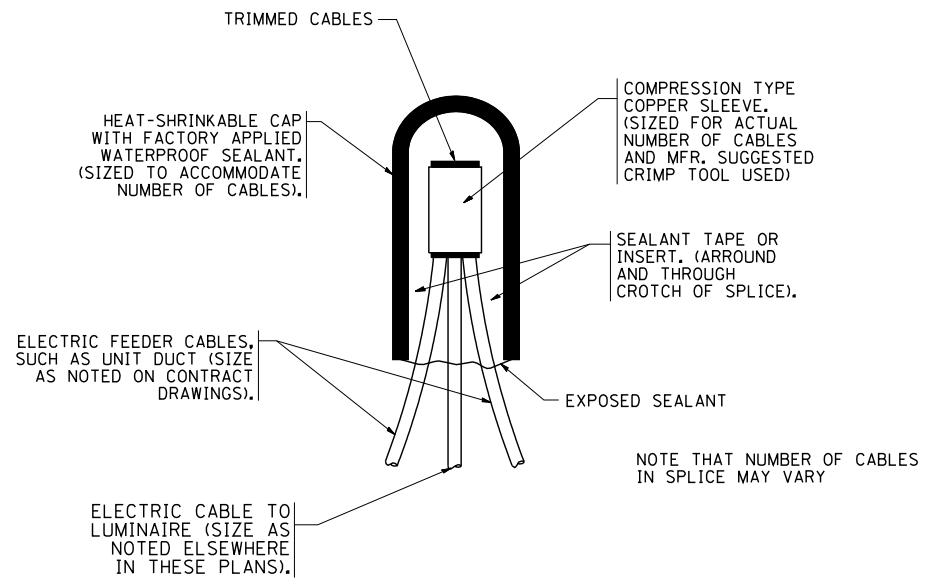
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ELECTRIC SERVICE INSTALLATION
AERIAL, REMOTE DISCONNECT**

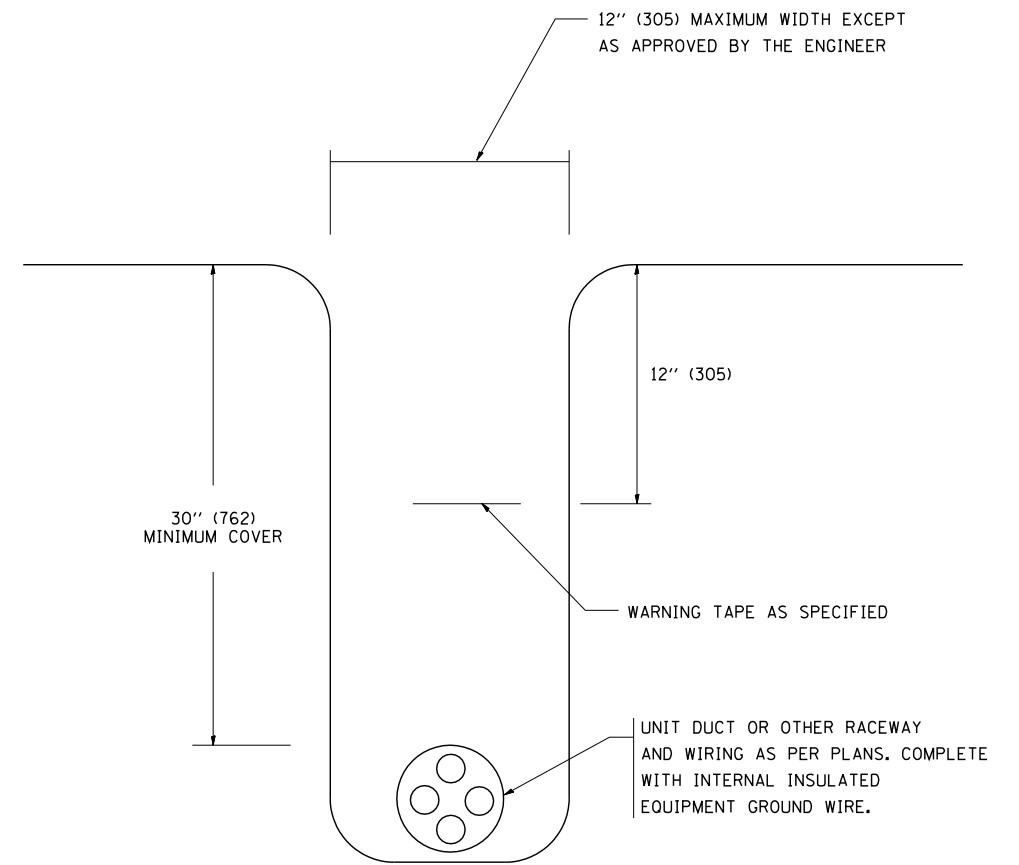
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BE-220			CONTRACT NO.	61E18
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



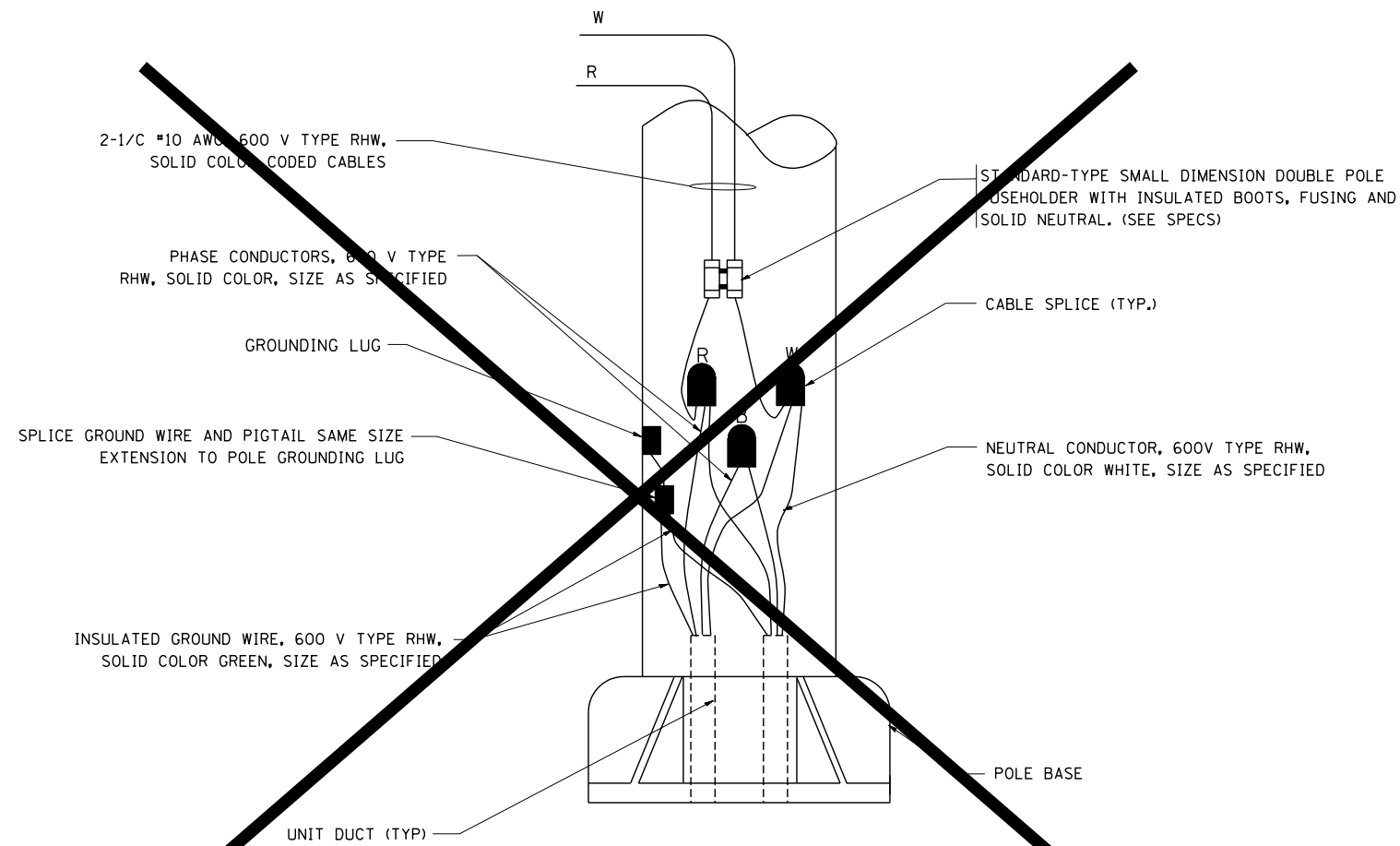
TYPICAL SPLICE DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



NOT USED

POLE WIRING DETAIL

N.T.S.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			254	230
BE-702		CONTRACT NO.	61E18	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ELB-10

BENCHMARK

City of Aurora Control Monument No. 13 is a standard brass disc set approximately 37.6 feet east of the centerline of IL Route 25 and in the grass median of the north entrance to the U.S. Post Office. Elev. 638.39

EXISTING STRUCTURE

None

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.064g
 Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.123g
 Soil Site Class = C

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 & 2016 Interims

DESIGN LOADING

Pedestrian Live Load : 90 psf
 Truck Load: H-10
 Future Wearing Surface: 25 psf

DESIGN STRESSES

FIELD UNITS
 f'_c = 3,500 psi (Cast-in-place)
 f_y = 60,000 psi (Reinforcement)

PRECAST UNITS
 f'_c = 4,500 psi (Precast Panels)
 f_y = 60,000 psi (Reinforcement)

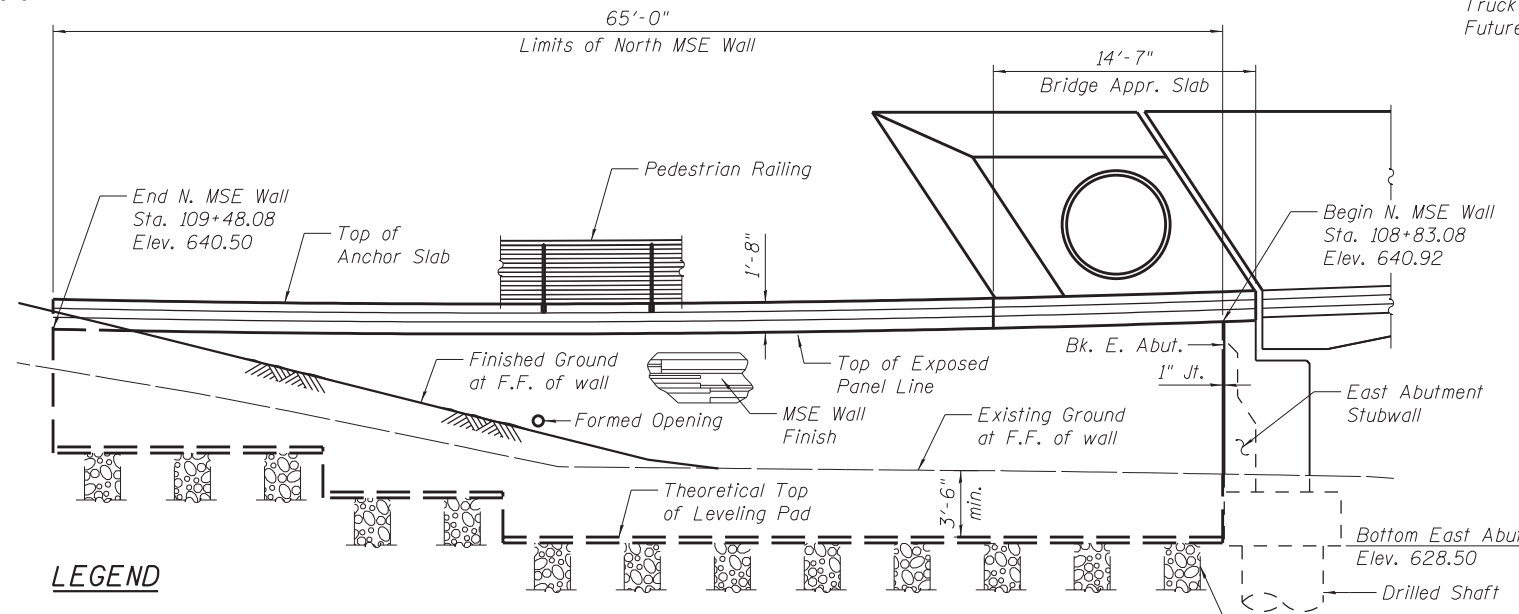
TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structure Excavation	Cu. Yd.	165
Concrete Structures	Cu. Yd.	36.4
Form Liner Textured Surface	Sq. Ft.	977
Protective Coat	Sq. Yd.	104
Reinforcement Bars, Epoxy Coated	Pound	3,240
Pedestrian Railing	Foot	76
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	977
Conduit Embedded in Structure, 1" Dia., PVC	Foot	134
Anti-Graffiti Protection System	Sq. Ft.	807
* Aggregate Column Ground Improvement	L. Sum	1
* Sidewalk Floor Drains	Each	1

* Indicates Special Provision

INDEX OF SHEETS

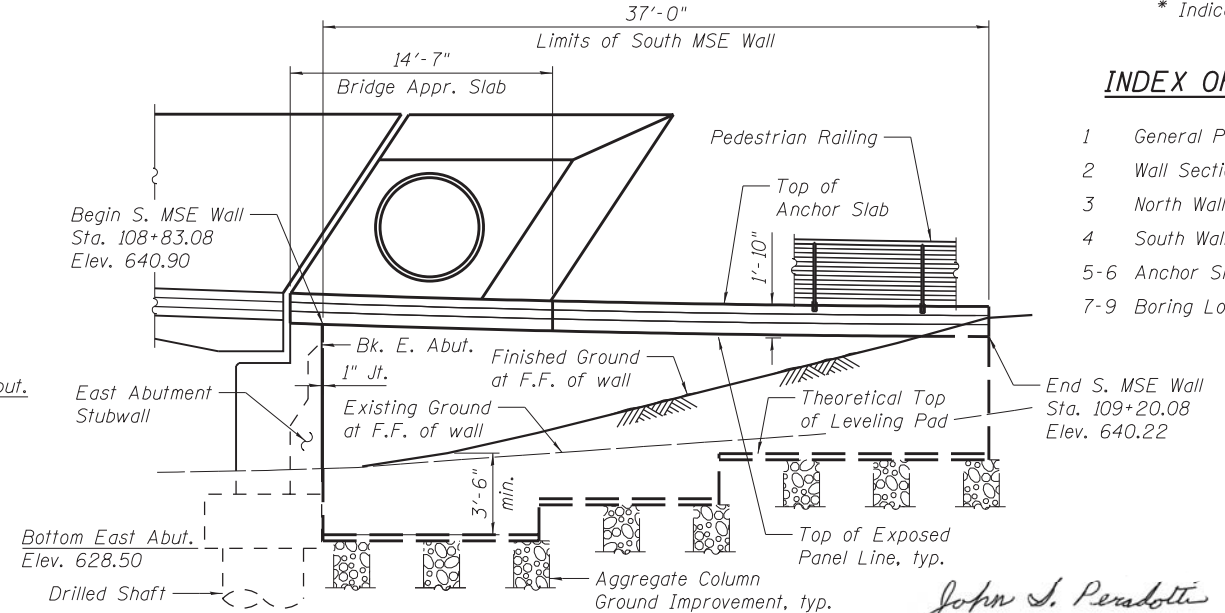
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- 2 Wall Section and General Data
- 3 North Wall Elevation and Details
- 4 South Wall Elevation and Details
- 5-6 Anchor Slab Details
- 7-9 Boring Logs



NORTH MSE WALL ELEVATION

(Looking South at F.F. of wall)

Note: Net Allowable Bearing Pressure = 4,000 psf

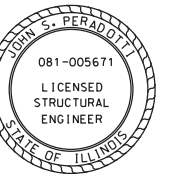


SOUTH MSE WALL ELEVATION

(Looking North at F.F. of wall)

John S. Peradotti

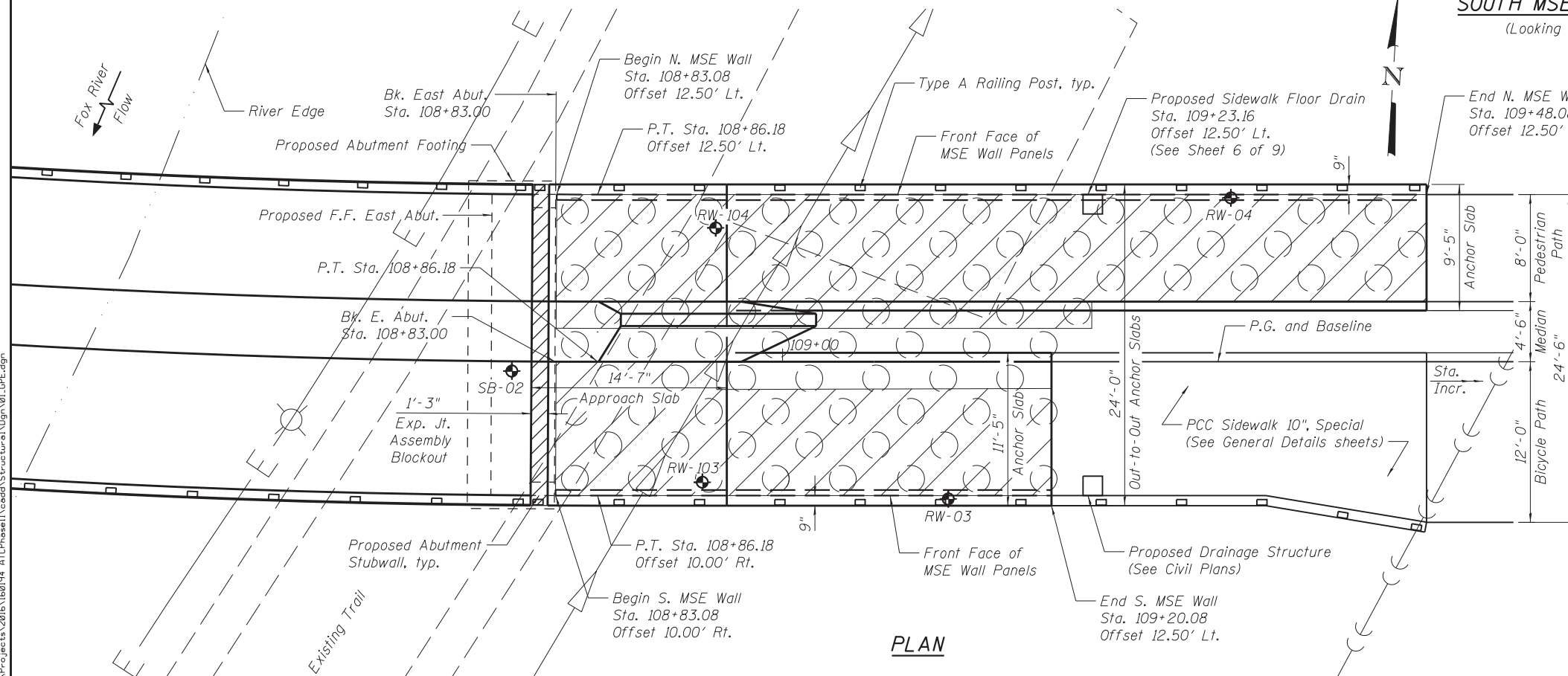
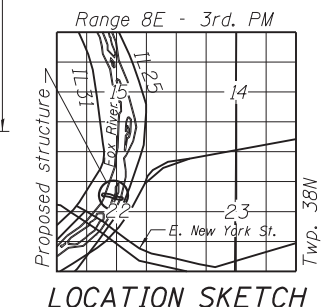
License No. 081-005671
 Date: October 12, 2017
 License Expires: 11/30/2018



I certify that to the best of my knowledge, information and belief, the structures and design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Bridge Design Specifications".

NOTES:

1. Walls are built in conjunction with new Riveredge Pedestrian Bridge (S.N. 045-P008).
2. Size, depth and spacing of aggregate columns to be determined by Contractor. (See Special Provisions)
3. Wall offsets are measured from the center of bridge alignment to the front face of precast panels. See civil plans for bridge and path alignment information.
4. Horizontal dimensions measured along front face of precast panels.
5. Elevations at top of exposed panel line. See Sheet 2 of 9 for wall section view.
6. Reinforcement bars designated (E) shall be epoxy coated.



PLAN

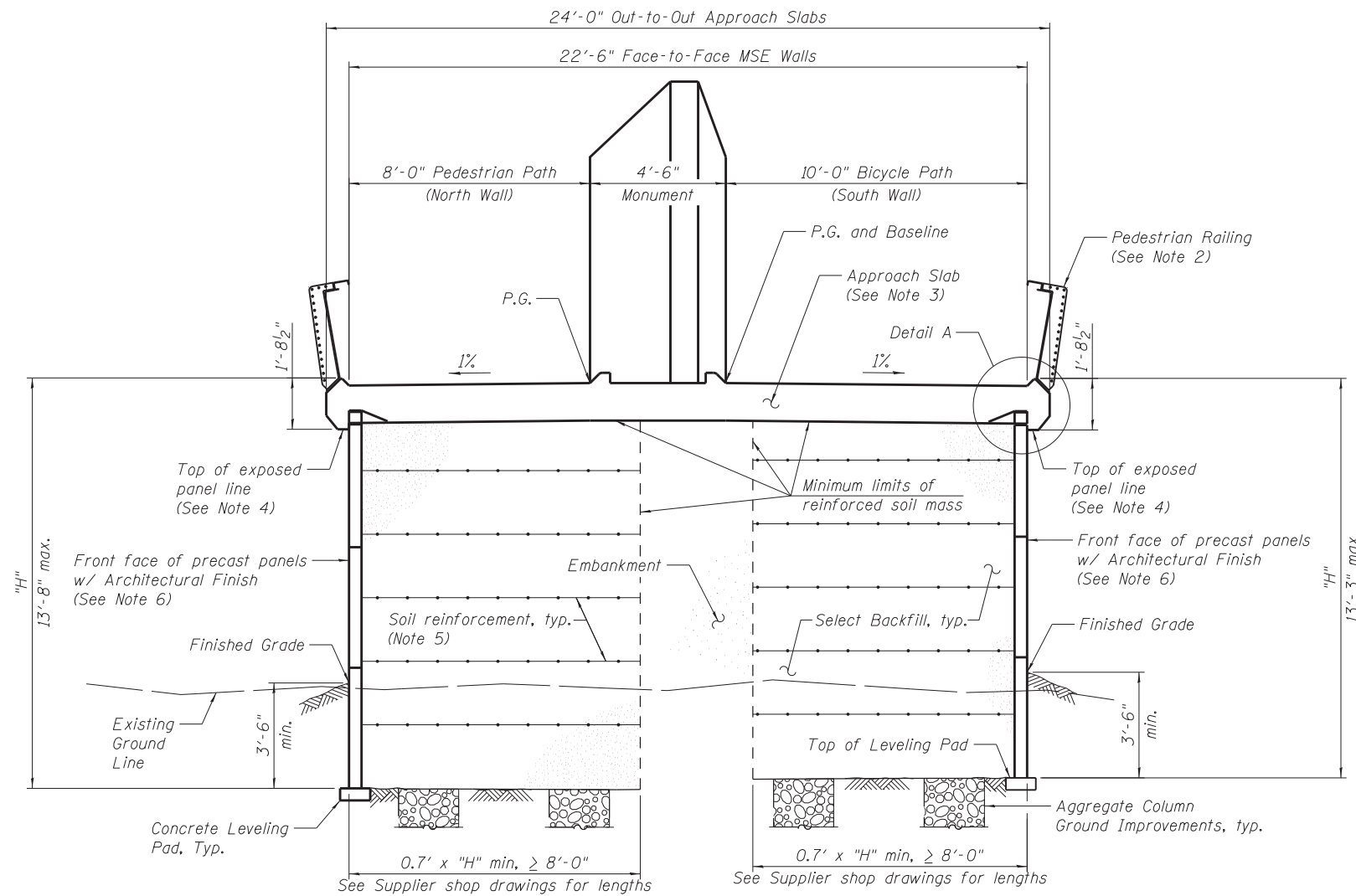
WBK engineering
 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

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PLOT SCALE =	DRAWN - MCC	REVISED -
PLOT DATE =	CHECKED - JSP	REVISED -
	DATE - 10-11-2017	REVISED -

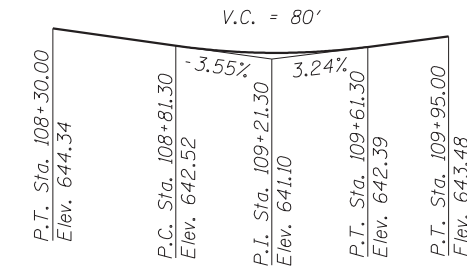
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIVEREDGE PEDESTRIAN BRIDGE RETAINING WALLS
GENERAL PLAN AND ELEVATION
 SHEET NO. 1 OF 9 SHEETS

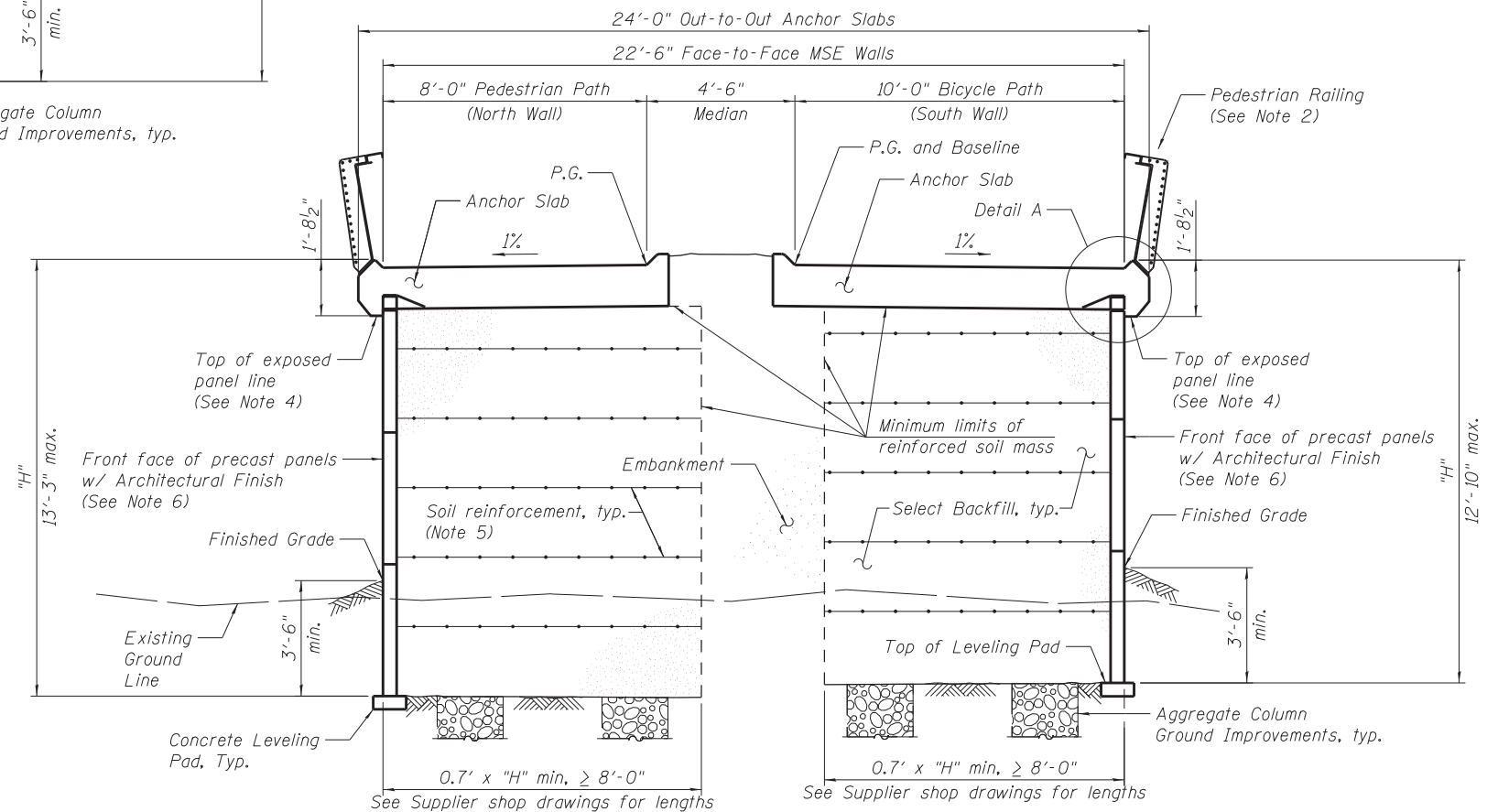
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	231
CONTRACT NO. 61E18			ILLINOIS FED. AID PROJECT	



SECTION THRU WALLS AT BRIDGE APPROACH
(Looking East)



PROFILE GRADE
(Along Baseline)



SECTION THRU WALLS AND PATH
(Looking East)

NOTES:

- See civil plans for bridge and path alignment information.
- Pedestrian Railing shall extend from the approach slab onto MSE wall anchor slabs. See Bridge Plans for Pedestrian Railing details. Refer to Retaining Wall, Sheet 5 of 9 for rail post spacing on anchor slabs.
- See Bridge Plans for approach slab details.
- Wall elevations shown on these plans refer to the top of exposed precast panel line. Top of precast panel shall vary to satisfy dimensions as shown in Detail A on Sheet 6 of 9.
- The M.S.E wall supplier's internal stability design shall account for the anchor slab's bearing pressure surcharge of 1.0 ksf and horizontal sliding force of 0.5 kip/ft. of wall.
- The wall panels shall be textured with an architectural finish according to the Special Provisions and paid for as "Form Liner Textured Surface".
- See Sheet 6 of 9 for Detail A.

FILE NAME = W:\Projects\2016\160194_ATCPhaseII\Cadd\Structural\Dgn\02_Wall\Section.dgn



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116 WEST MAIN STREET, SUITE 201
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(630) 443-7755

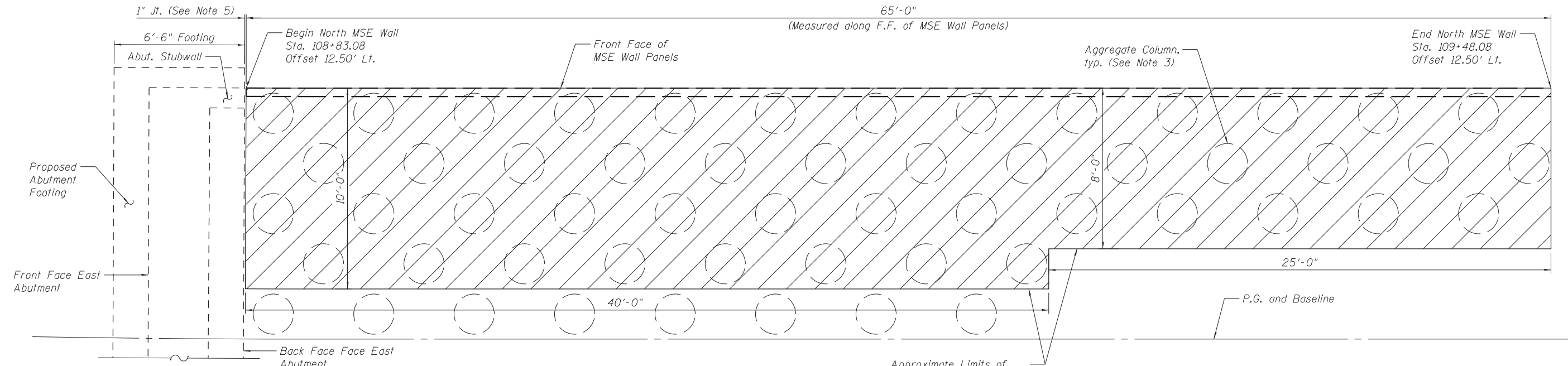
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

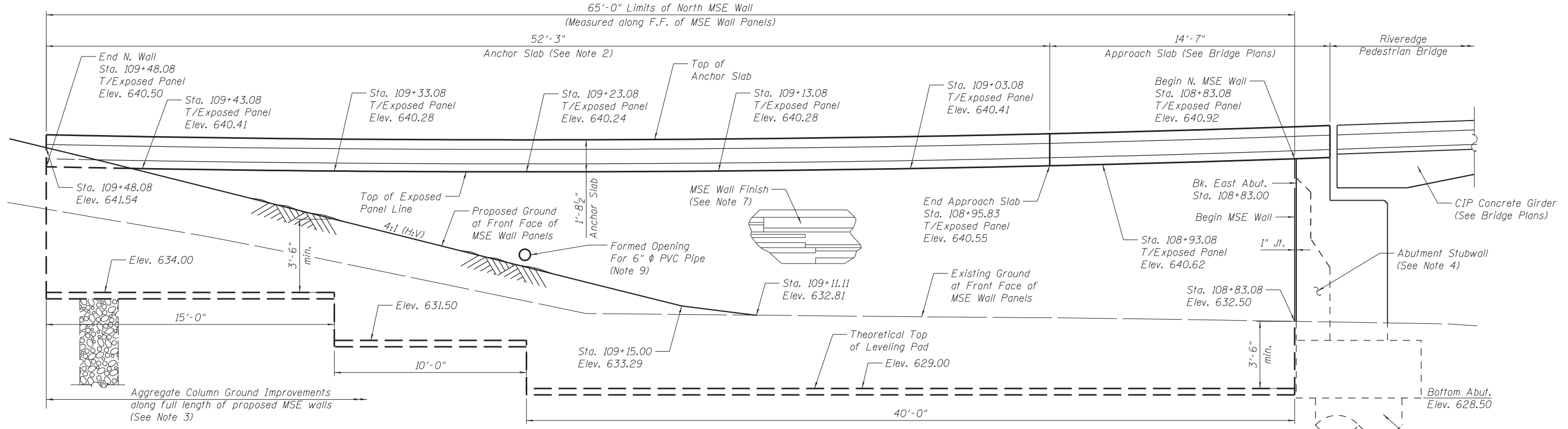
RIVEREDGE PEDESTRIAN BRIDGE RETAINING WALLS
WALL SECTION AND GENERAL DATA

SHEET NO. 2 OF 9 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	232
CONTRACT NO. 61E18			ILLINOIS FED. AID PROJECT	



PLAN - NORTH MSE WALL
N.T.S.



ELEVATION - NORTH MSE WALL
(Looking South)

NOTES

- Wall offsets are measured from the centerline of the bridge alignment to the front face of precast MSE wall panels.
- The concrete anchor slab has been omitted in plan view for clarity. See Sheets 5 and 6 of 9 for anchor slab dimensions and details.
- Size, depth and spacing of aggregate columns to be determined by the Contractor. The aggregate columns shall extend to the centerline of the bridge alignment for a minimum length from Sta. 108+83.08 to Sta. 109+23.08. See Special Provisions for performance criteria.
- Refer to Bridge Plans sheets for East Abutment details.
- See Sheet 4 of 9 for MSE wall and abutment joint details.
- Pedestrian railing, concrete bridge monument and portions of the CIP concrete bridge girder have been omitted in the elevation view for clarity. Refer to Bridge Plans for details.
- The wall panels shall be textured with an architectural finish according to the Special Provisions and paid for as "Form Liner Textured Surface".
- The Theoretical Top of Leveling Pad elevations are for estimation purposes only. The Contractor shall verify the proper wall foundation location as recommended by the MSE Wall Manufacturer.
- MSE Wall Manufacturer may adjusted Formed Opening Location to avoid precast panel joints. Any adjustments to the opening shall maintain an invert elevation 4" above proposed finished grade.

FILE NAME = W:\Projects\2016\160194_ATCFPhaseII\Cadd\Structural\Dgn\03_NorthWall.dgn



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	DATE - 10-11-2017	REVISED -

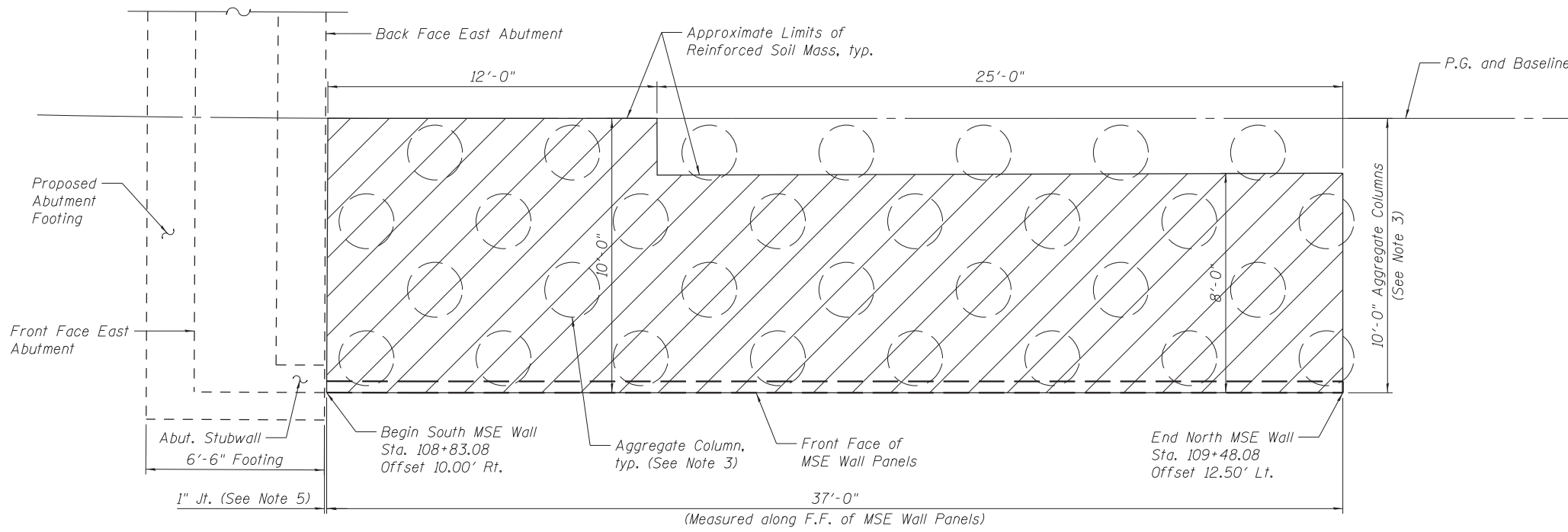
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIVEREDGE PEDESTRIAN BRIDGE RETAINING WALLS
NORTH WALL ELEVATION AND DETAILS

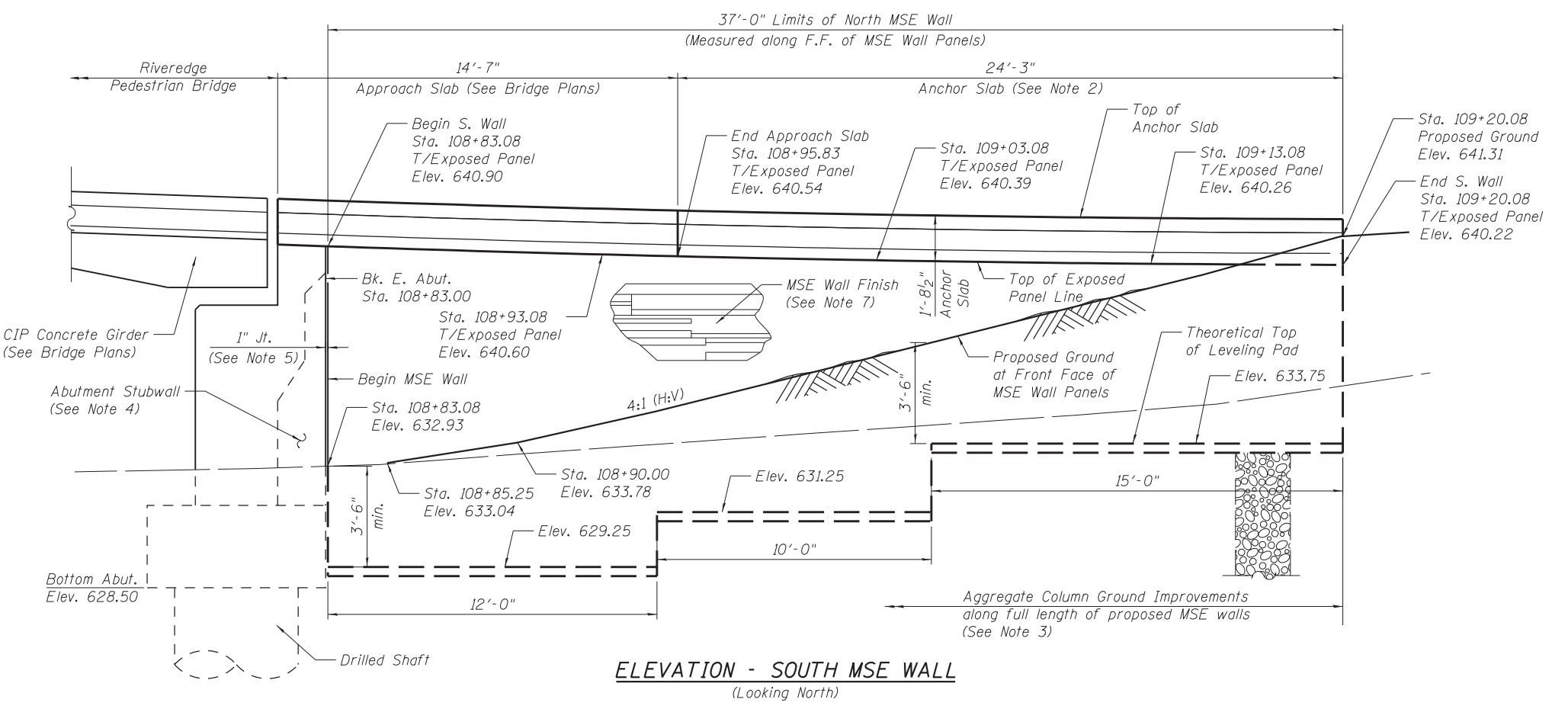
SHEET NO. 3 OF 9 SHEETS

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CONTRACT NO. 61E18				

ILLINOIS FED. AID PROJECT



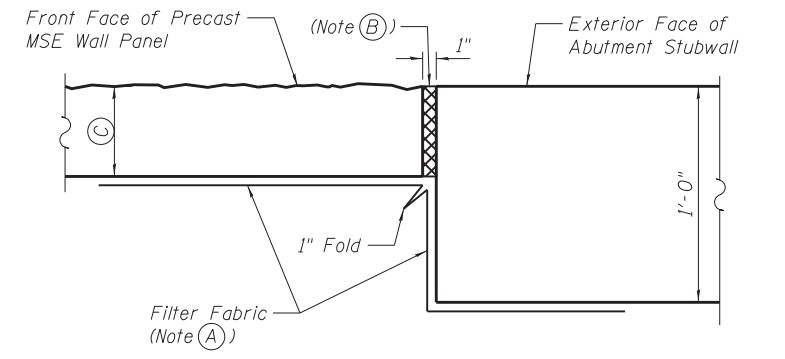
PLAN - SOUTH MSE WALL
N.T.S.



ELEVATION - SOUTH MSE WALL
(Looking North)

NOTES

1. Wall offsets are measured from the $\text{\textcircled{B}}$ of the bridge alignment to the front face of precast MSE wall panels.
2. The concrete anchor slab has been omitted in plan view for clarity. See Sheets 5 and 6 of 9 for anchor slab dimensions and details.
3. Size, depth and spacing of aggregate columns to be determined by the Contractor. The aggregate columns shall extend the full width of the 10'-0" multi-use path for the length of the south retaining wall. See Special Provisions for performance criteria.
4. Refer to Bridge Plans for East Abutment details.
5. See detail this sheet for MSE wall and abutment joint details.
6. Pedestrian railing, concrete bridge monument and portions of the CIP concrete bridge girder have been omitted in the elevation view for clarity. Refer to Bridge Plans for details.
7. The wall panels shall be textured with an architectural finish according to the Special Provisions and paid for as "Form Liner Textured Surface".
8. The Theoretical Top of Leveling Pad elevations are for estimation purposes only. The Contractor shall verify the proper wall foundation location as recommended by the MSE Wall Manufacturer.



MSE FACING PANEL-TO-CONCRETE ABUTMENT DETAIL
N.T.S.

NOTES:

- (A) Bond a strip of filter fabric, 1'-6" wide, to back of MSE panels and the adjacent concrete abutment stubwall for entire length of vertical joint.
- (B) Bond expansion joint material to the concrete wall.
- (C) Precast wall panel thickness to be determined by MSE wall supplier.

Filter fabric and expansion joint material shall not be paid for separately but shall be included in the cost of "Mechanically Stabilized Earth Retaining Wall"

FILE NAME = W:\Projects\2016\160194_ATCPhase1\Lead\Structural\Dgn\04_SouthWall.dgn



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116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

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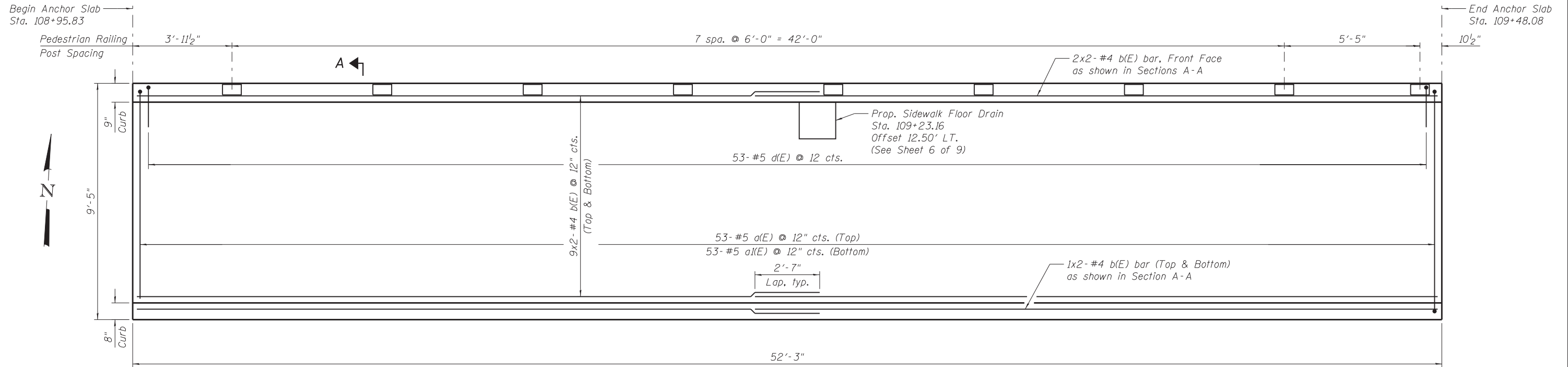
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIVEREDGE PEDESTRIAN BRIDGE RETAINING WALLS
SOUTH WALL ELEVATION AND DETAILS

SHEET NO. 4 OF 9 SHEETS

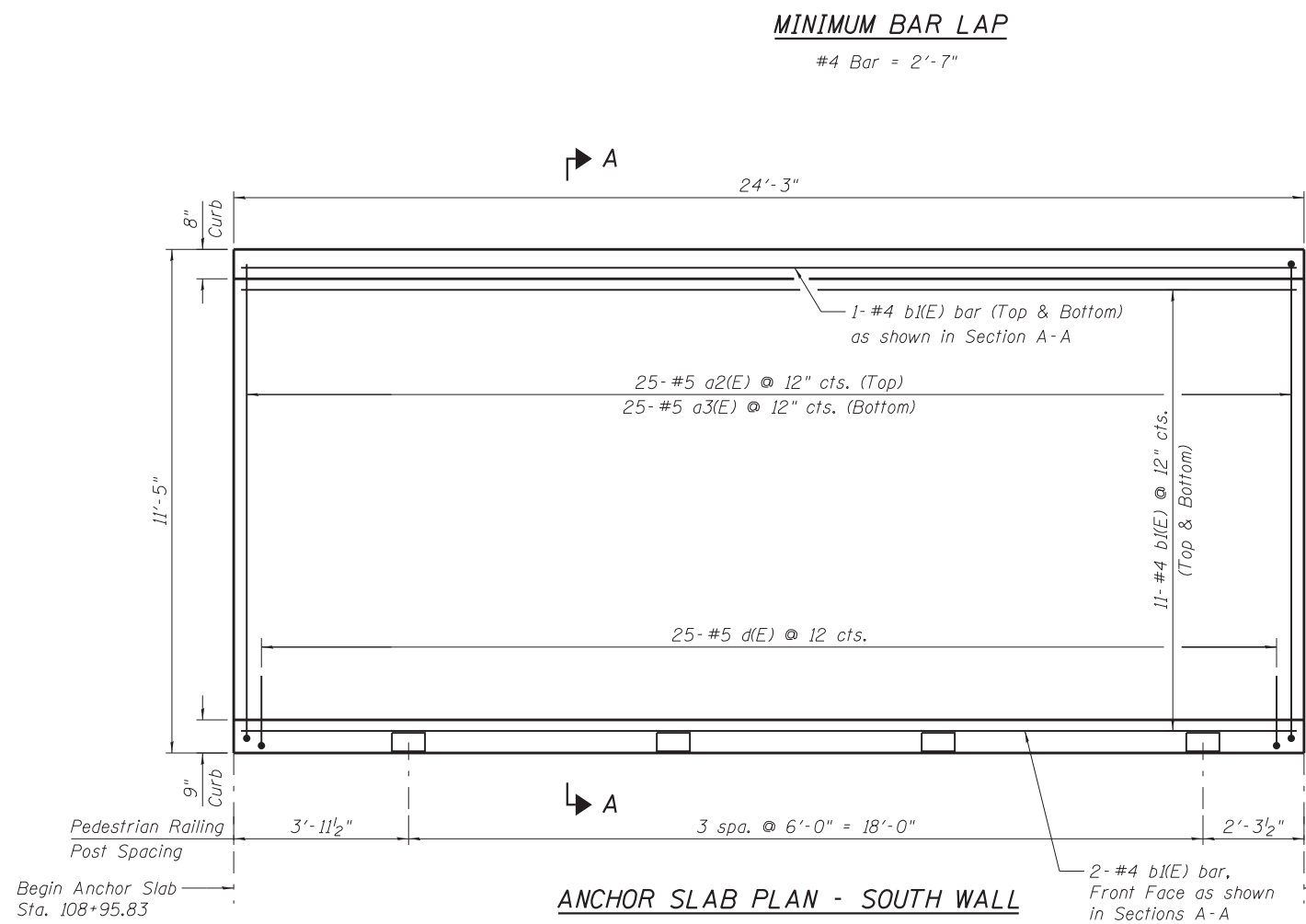
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 61E18

ILLINOIS FED. AID PROJECT

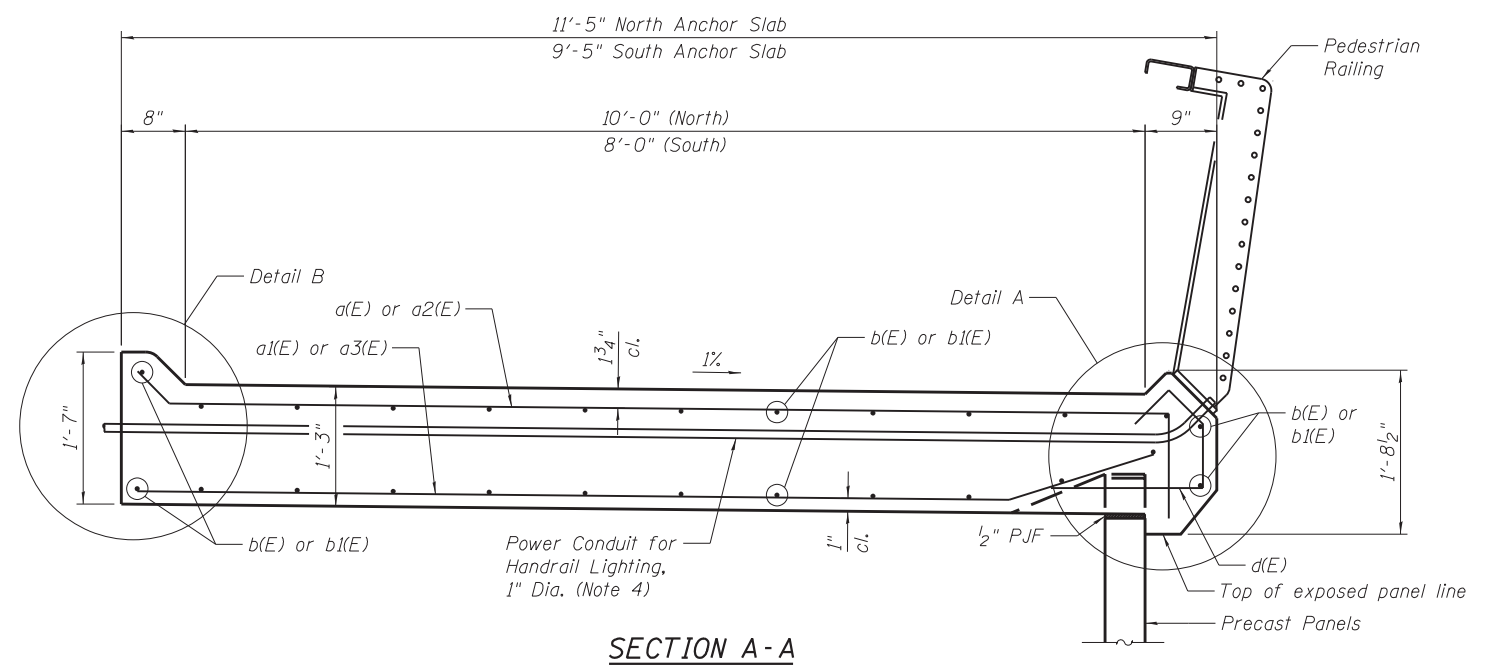


ANCHOR SLAB PLAN - NORTH WALL

MINIMUM BAR LAP
#4 Bar = 2'-7"



ANCHOR SLAB PLAN - SOUTH WALL



SECTION A-A

- NOTES**
1. Reinforcement bars designed (E) shall be epoxy coated.
 2. See Bridge Plans for Pedestrian Railing Details.
 3. See Sheet 6 of 9 for reinforcement details, Detail A, Detail B and Bill of Material.
 4. Power conduit for handrail lighting shall be embedded in anchor slab and located at each railing post centerline. Cost of conduit shall be paid for as "Conduit Embedded in Structure, 1" Dia, PVC".

(Sheet 1 of 2)

FILE NAME = W:\Projects\2016\160194_ATCPhaseII\Lead\Structural\Dgn\05_AnchorSlab.dgn

WBK engineering
 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME =	DESIGNED - MCC	REVISED -
PLOT SCALE =	DRAWN - MCC	REVISED -
PLOT DATE =	CHECKED - JSP	REVISED -
	DATE - 10-11-2017	REVISED -

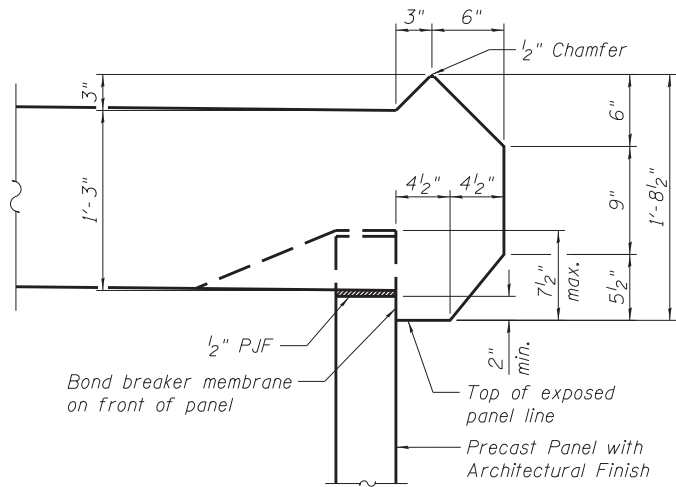
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RIVEREDGE PEDESTRIAN BRIDGE RETAINING WALLS
ANCHOR SLABS DETAILS**

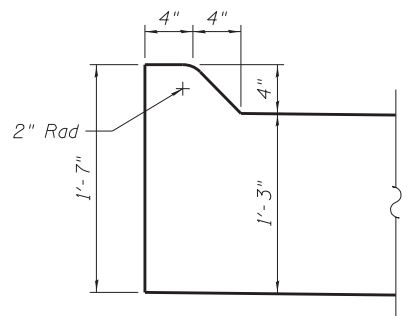
SHEET NO. 5 OF 9 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61E18				

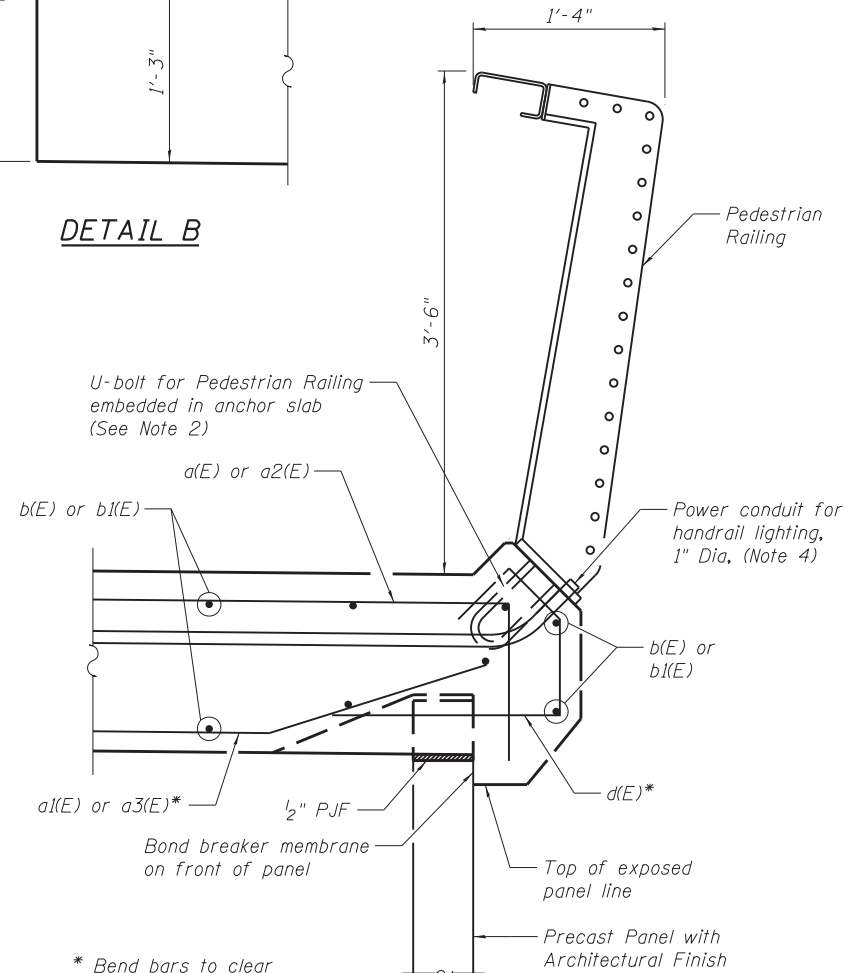
ILLINOIS FED. AID PROJECT



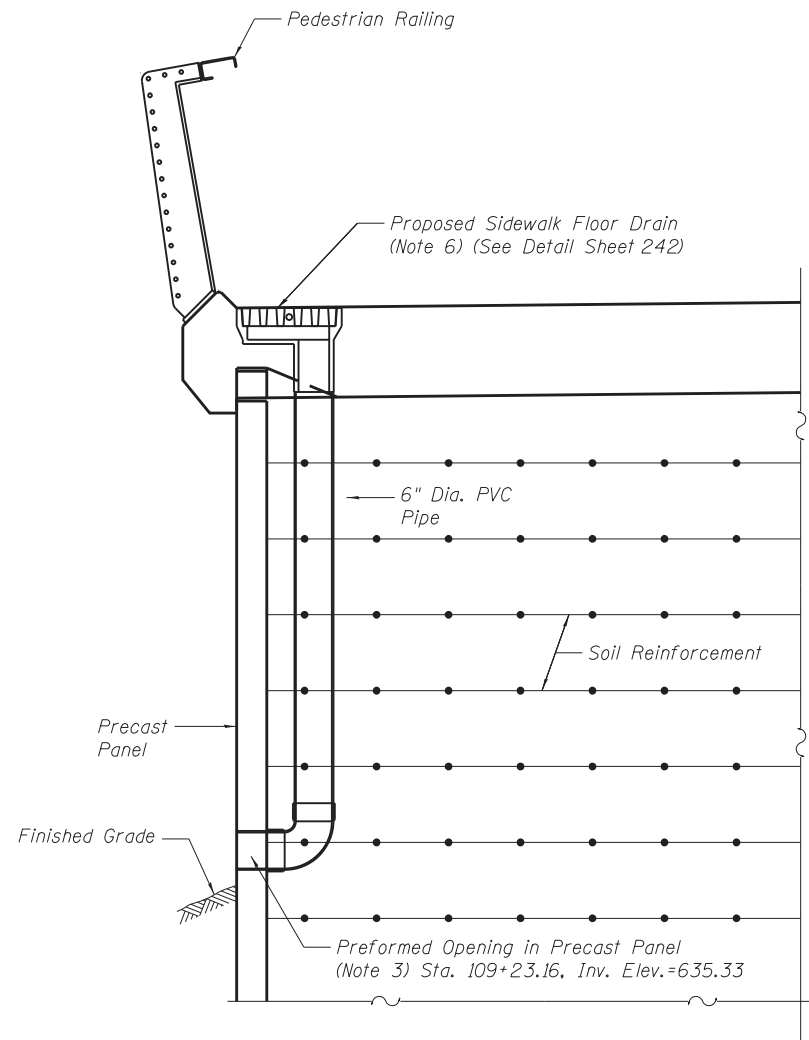
DETAIL A
Showing overhang dimensions



DETAIL B



DETAIL A
Showing reinforcement



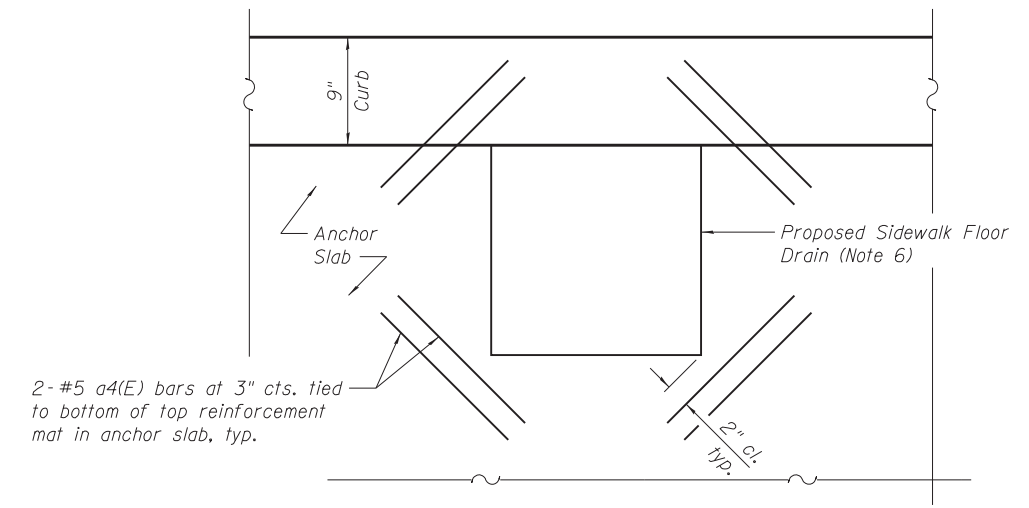
WALL SECTION THRU SIDEWALK FLOOR DRAIN
(North MSE Wall, Sta. 109+23.13)

NOTES:

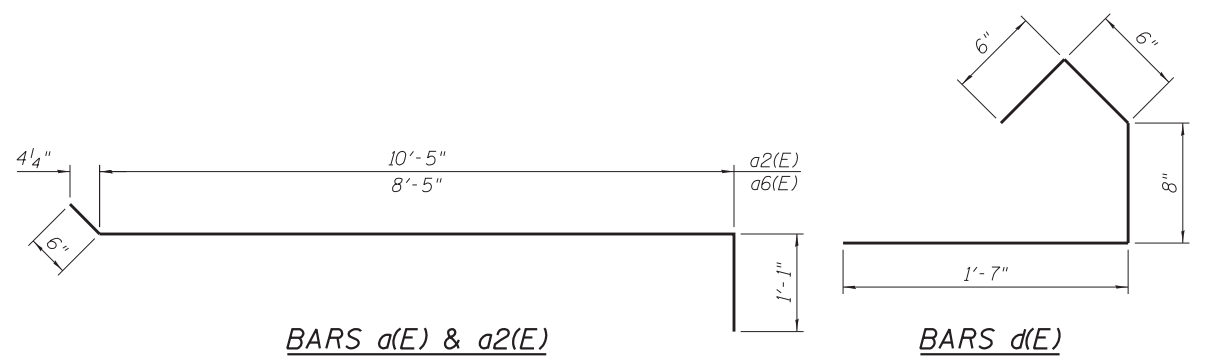
1. Reinforcement bars designed (E) shall be epoxy coated.
2. See Bridge Plans for Pedestrian Railing Details.
3. Preformed opening to accept 6" PVC Drain Pipe. See Special Provisions And Civil Plans.
4. Power conduit for handrail lighting shall be embedded in anchor slab and located at each railing post centerline. Cost of conduit shall be paid for as "Conduit Embedded in Structure, 1" Dia, PVC".
5. The wall panels shall be textured with an architectural finish according to the Special Provisions and paid for as "Form Liner Textured Surface".
6. Shift transverse reinforcement and cut longitudinal reinforcement in anchor slab to clear drainage structures. Coat exposed ends with epoxy paint. Cost shall be included in the contract unit price for "Reinforcement Bars, Epoxy Coated".

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	53	#5	12'-0"	┌
a1(E)	53	#5	10'-8"	┌
a2(E)	25	#5	10'-0"	┌
a3(E)	25	#5	8'-8"	┌
a4(E)	8	#5	2'-0"	┌
b(E)	44	#4	27'-3"	┌
b1(E)	26	#4	23'-11"	┌
d(E)	78	#5	3'-3"	└
Concrete Structures			Cu. Yd.	36.4
Reinforcement Bars, Epoxy Coated			Pound	3,240
Protective Coat			Sq. Yd.	104
Sidewalk Floor Drains			Each	1



REINFORCEMENT AROUND SIDEWALK FLOOR DRAIN



BARS a(E) & a2(E)

BARS d(E)

(Sheet 2 of 2)

FILE NAME = W:\Projects\2016\160194_ATCPhase1\Lead\Structure\06_Anchor-Slab.dgn



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116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

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PLOT DATE =	CHECKED - JSP	REVISED -
	DATE - 10-11-2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIVEREDGE PEDESTRIAN BRIDGE RETAINING WALLS
ANCHOR SLAB DETAILS

SHEET NO. 6 OF 9 SHEETS

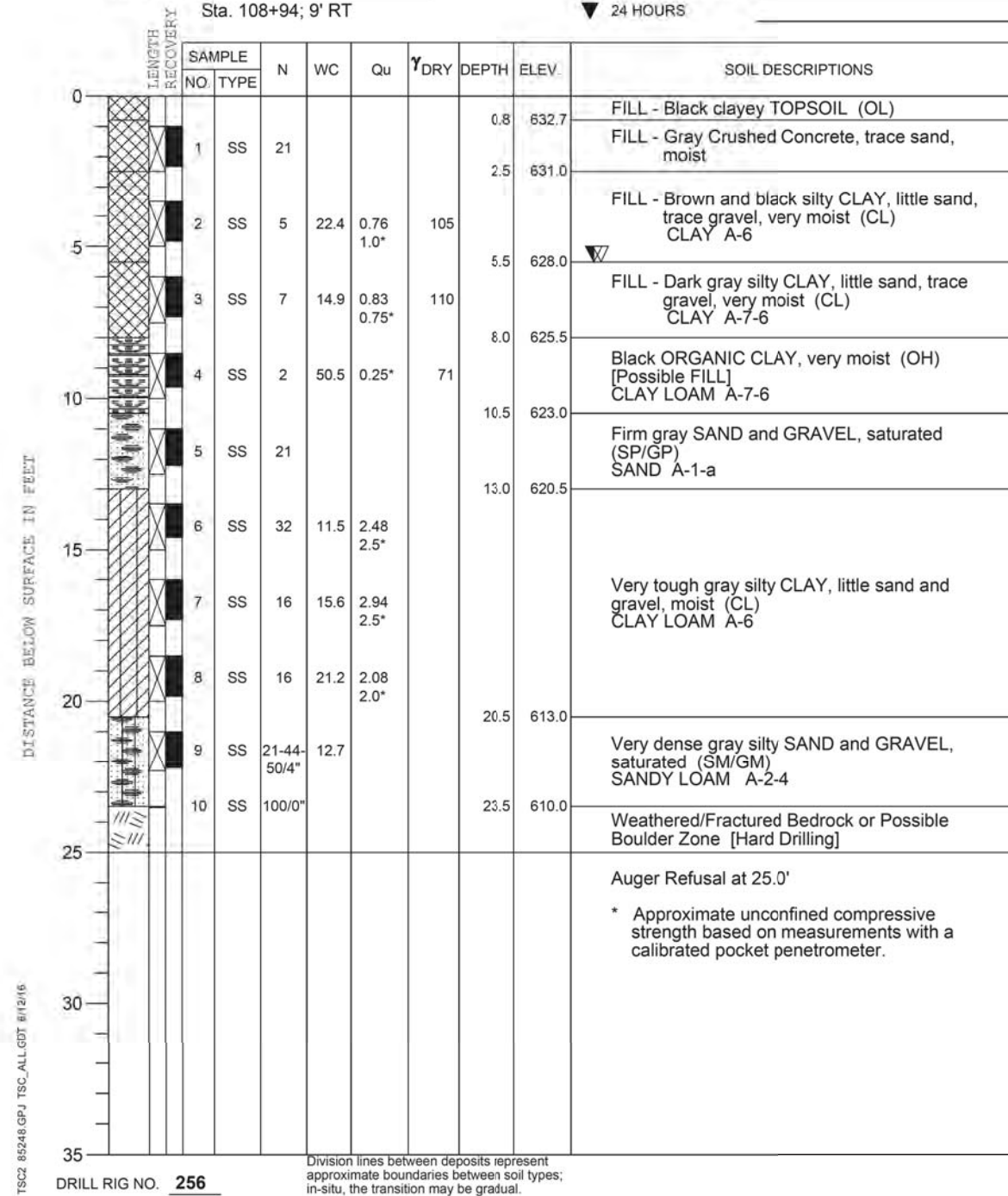
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	236
CONTRACT NO. 61E18				
ILLINOIS FED. AID PROJECT				

PROJECT **MSE Retaining Walls, ATC Improvements, 310-400 N. Broadway, Aurora, IL**
 CLIENT **City of Aurora, 44 East Downer Place, Aurora, IL**
 BORING **RW-103** DATE STARTED **8-8-16** DATE COMPLETED **8-8-16** JOB **L-85,248**



ELEVATIONS
 GROUND SURFACE **633.5**
 END OF BORING **608.5**
 Sta. 108+94; 9' RT

WATER LEVEL OBSERVATIONS
 WHILE DRILLING **5.5'**
 AT END OF BORING **5.5'**
 24 HOURS

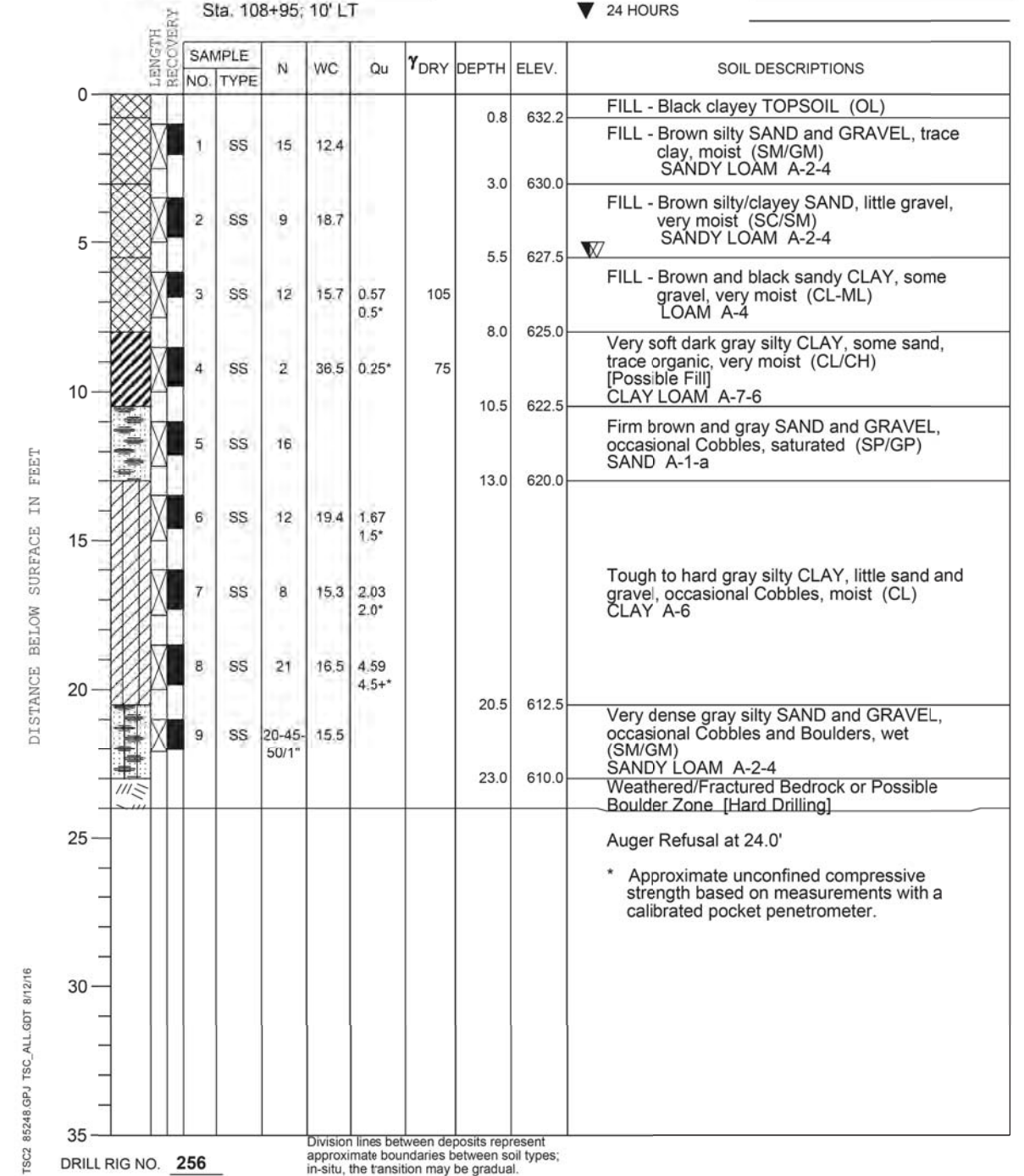


PROJECT **MSE Retaining Walls, ATC Improvements, 310-400 N. Broadway, Aurora, IL**
 CLIENT **City of Aurora, 44 East Downer Place, Aurora, IL**
 BORING **RW-104** DATE STARTED **8-8-16** DATE COMPLETED **8-8-16** JOB **L-85,248**



ELEVATIONS
 GROUND SURFACE **633.0**
 END OF BORING **609.0**
 Sta. 108+95; 10' LT

WATER LEVEL OBSERVATIONS
 WHILE DRILLING **5.5'**
 AT END OF BORING **5.5'**
 24 HOURS



(Sheet 1 of 3)

FILE NAME = W:\Projects\2016\160194_ATCPhaseII\cadd\Structure\Dgn\07_Boring_logs.dgn



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 ST. CHARLES, ILLINOIS 60174
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USER NAME =	DESIGNED - MCC	REVISED -
PLOT SCALE =	DRAWN - MCC	REVISED -
PLOT DATE =	CHECKED - JSP	REVISED -
	DATE - 10-11-2017	REVISED -


STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RIVEREDGE PEDESTRIAN BRIDGE RETAINING WALLS
 SOIL BORING LOGS

SHEET NO. 7 OF 9 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	237
CONTRACT NO. 61E18				

ILLINOIS FED. AID PROJECT

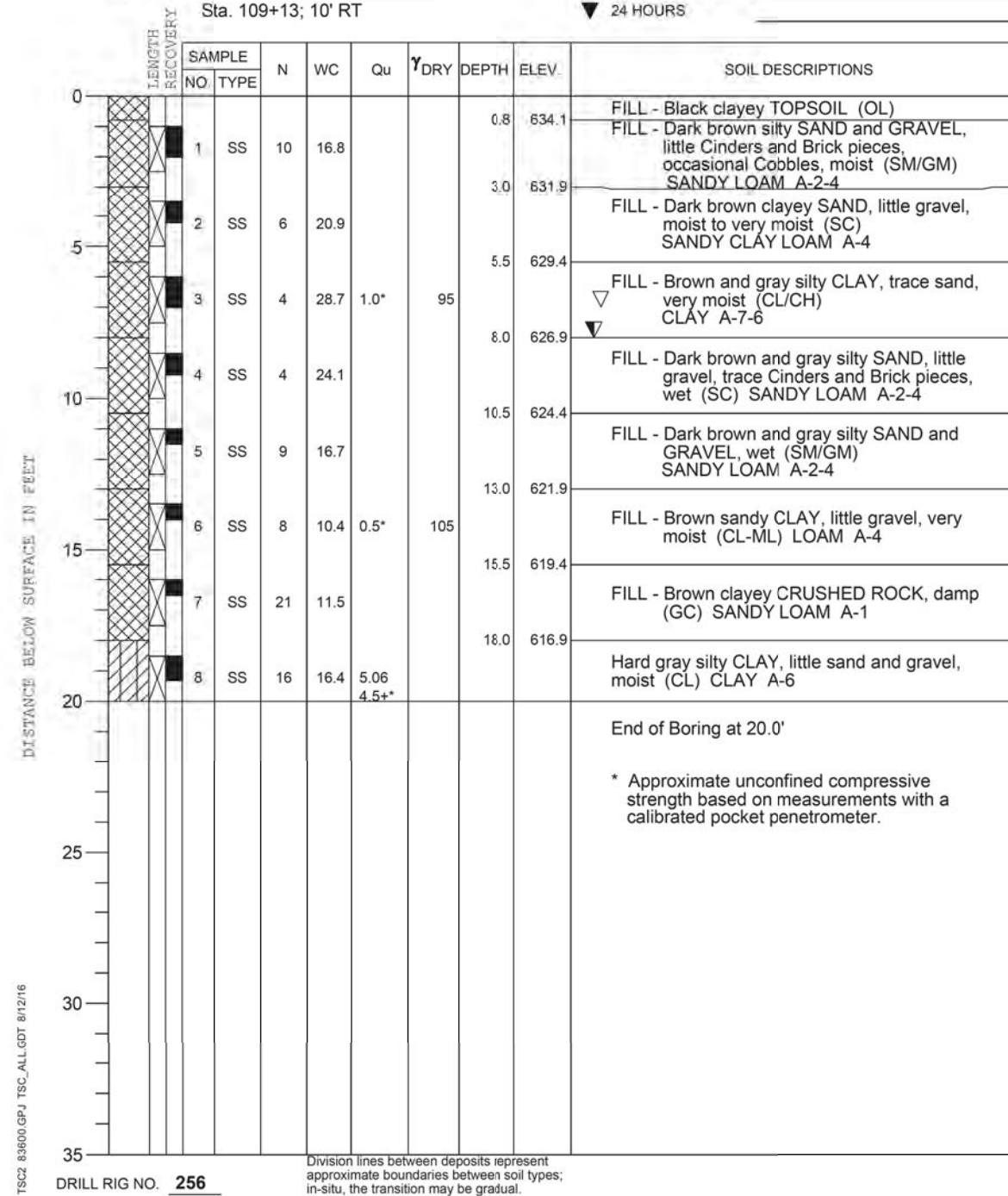
PROJECT **Retaining Walls for Aurora Transportation Center Improvements, Aurora, IL** 


CLIENT **WBK Engineering LLC, 116 West Main Street, St. Charles, IL**

BORING **RW-3** DATE STARTED **8-25-15** DATE COMPLETED **8-25-15** JOB **L-83,600**

ELEVATIONS
 GROUND SURFACE **634.9**
 END OF BORING **614.9**

WATER LEVEL OBSERVATIONS
 WHILE DRILLING **8.0'**
 AT END OF BORING **7.0'**
 24 HOURS



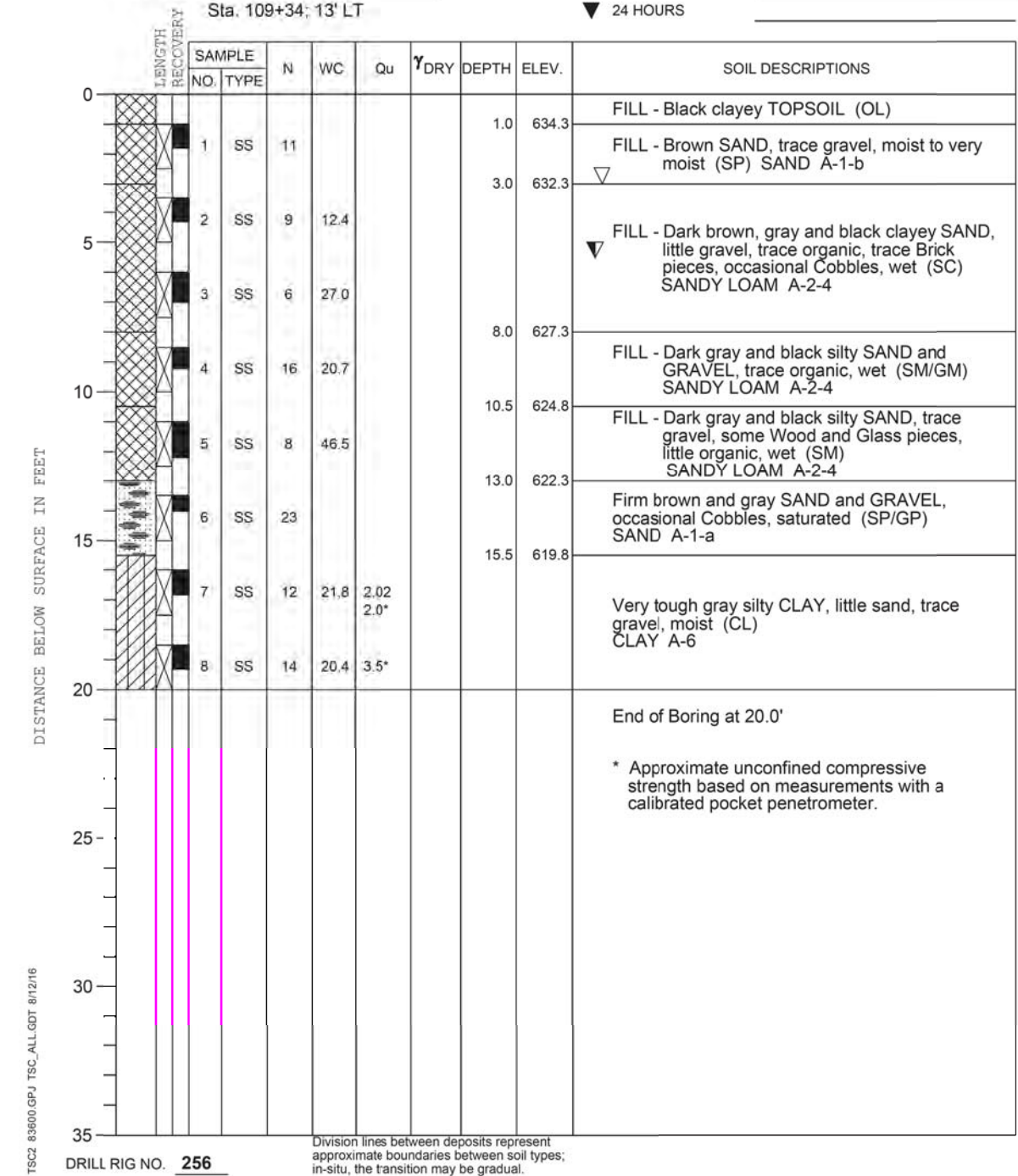
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CLIENT **WBK Engineering LLC, 116 West Main Street, St. Charles, IL**

BORING **RW-4** DATE STARTED **8-25-15** DATE COMPLETED **8-25-15** JOB **L-83,600**

ELEVATIONS
 GROUND SURFACE **635.3**
 END OF BORING **615.3**

WATER LEVEL OBSERVATIONS
 WHILE DRILLING **5.5'**
 AT END OF BORING **3.0'**
 24 HOURS



(Sheet 2 of 3)

FILE NAME = \\A:\Projects\2016\160194_ATCPhaseII\Cadd\Structural\Dgn\08_Boring_logs.dgn



USER NAME =	DESIGNED - MCC	REVISED -
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STATE OF ILLINOIS
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RIVEREDGE PEDESTRIAN BRIDGE RETAINING WALLS
 SOIL BORING LOGS

SHEET NO. 8 OF 9 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	238
CONTRACT NO. 61E18				

ILLINOIS FED. AID PROJECT

PROJECT **Retaining Walls for Aurora Transportation Center Improvements, Aurora, IL**



CLIENT **WBK Engineering LLC, 116 West Main Street, St. Charles, IL**

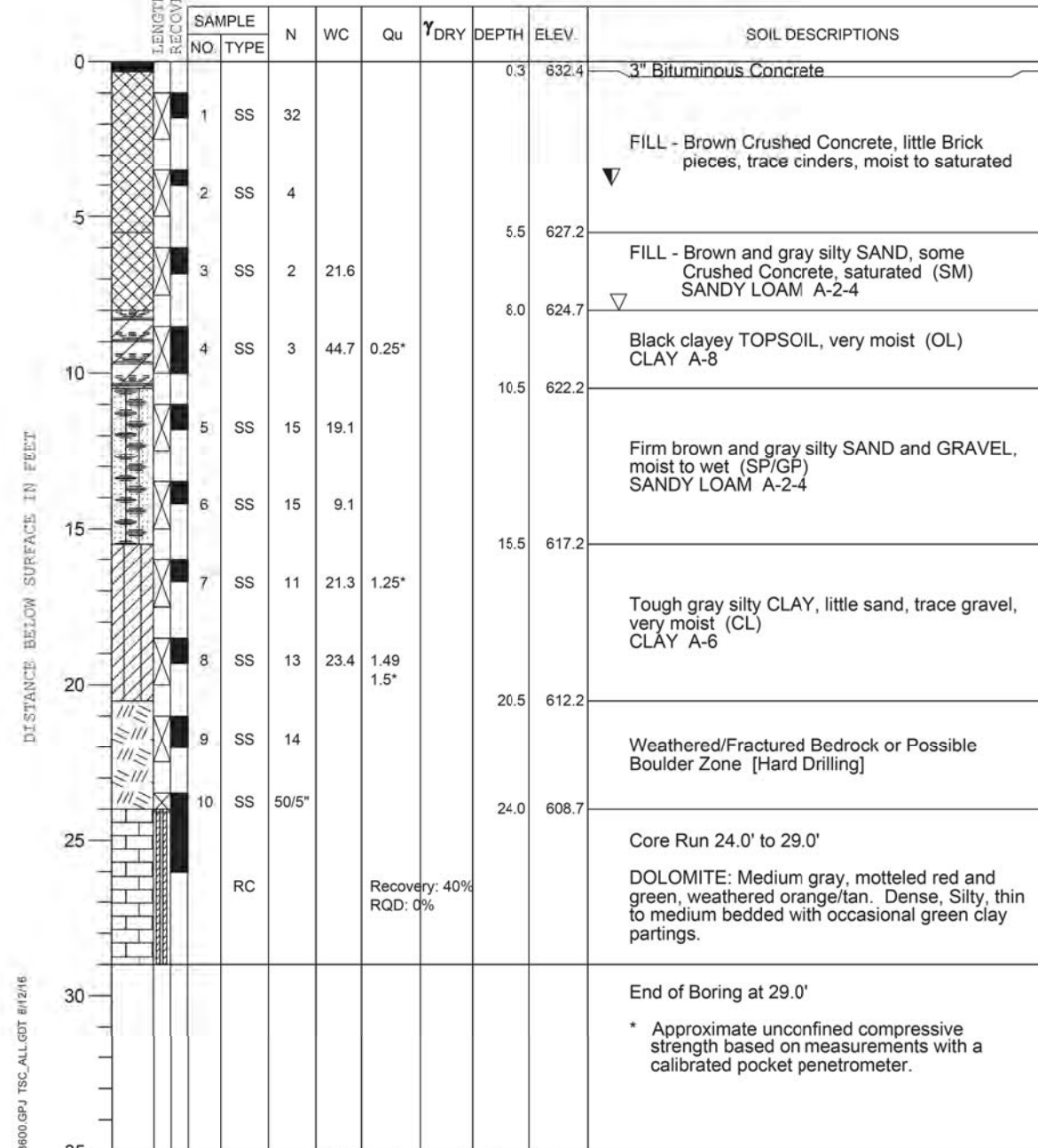
BORING **SB-2** DATE STARTED **8-25-15** DATE COMPLETED **8-25-15** JOB **L-83,600**

ELEVATIONS WATER LEVEL OBSERVATIONS

GROUND SURFACE **632.7** WHILE DRILLING **4.0'**

END OF BORING **603.7** AT END OF BORING **8.0'**

Sta. 108+80; 1' RT 24 HOURS



DRILL RIG NO. **262** Recovery: 40% RQD: 0%
 Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

FILE NAME = W:\Projects\2016\160194_ATCPhaseII\cadd\Structural\Dgn\09_Boring_logs.dgn

(Sheet 3 of 3)



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 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

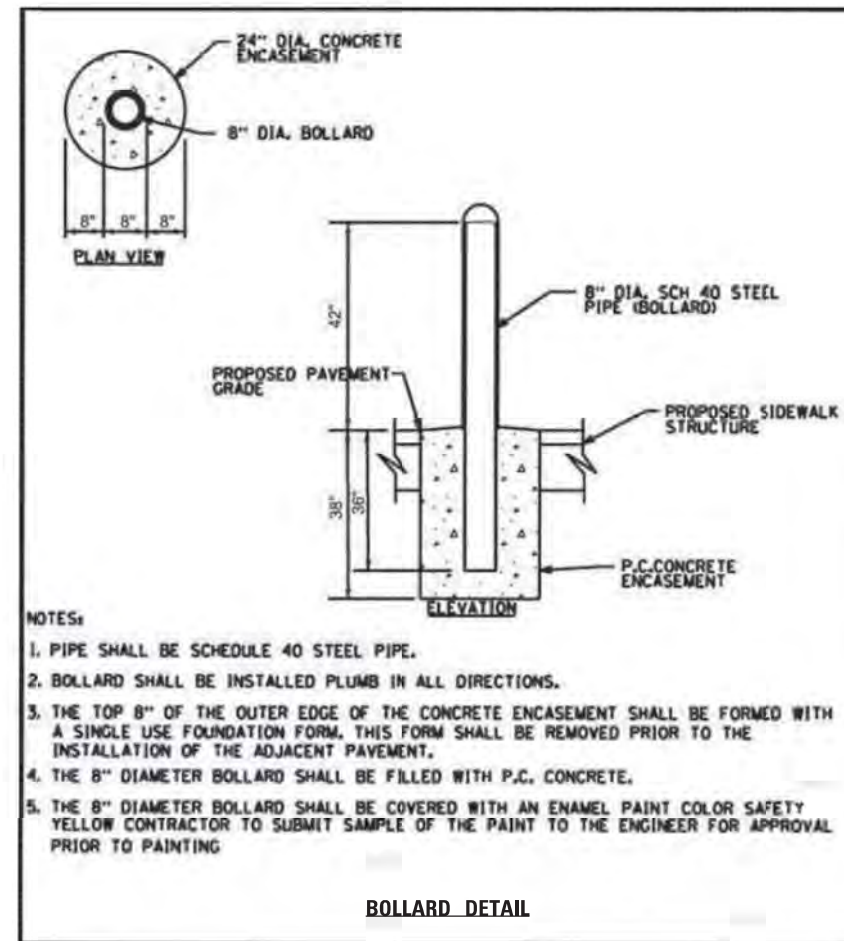
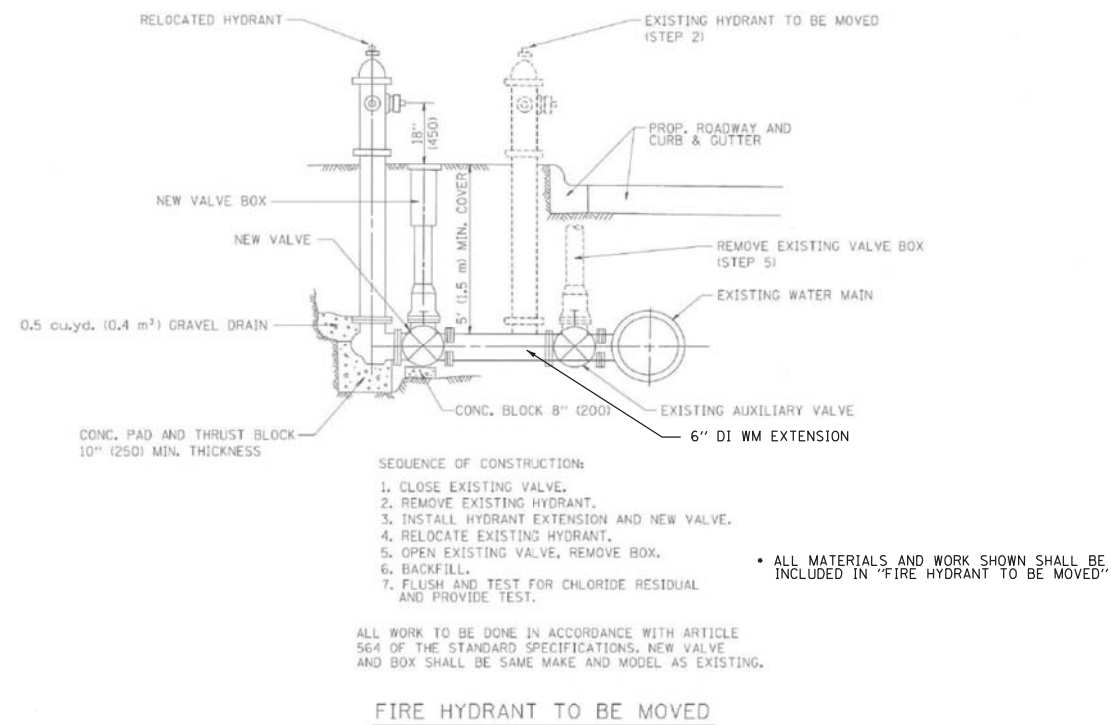
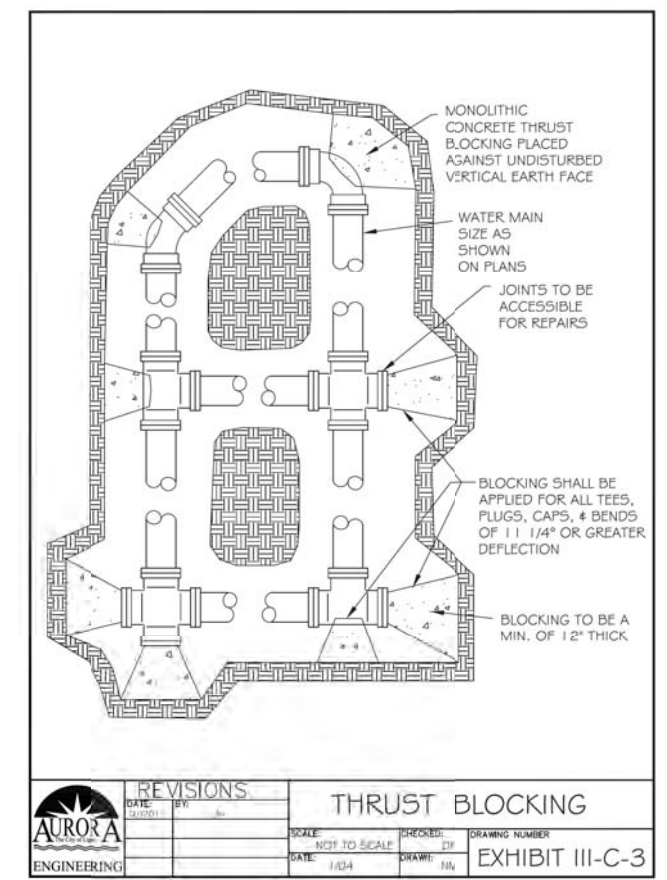
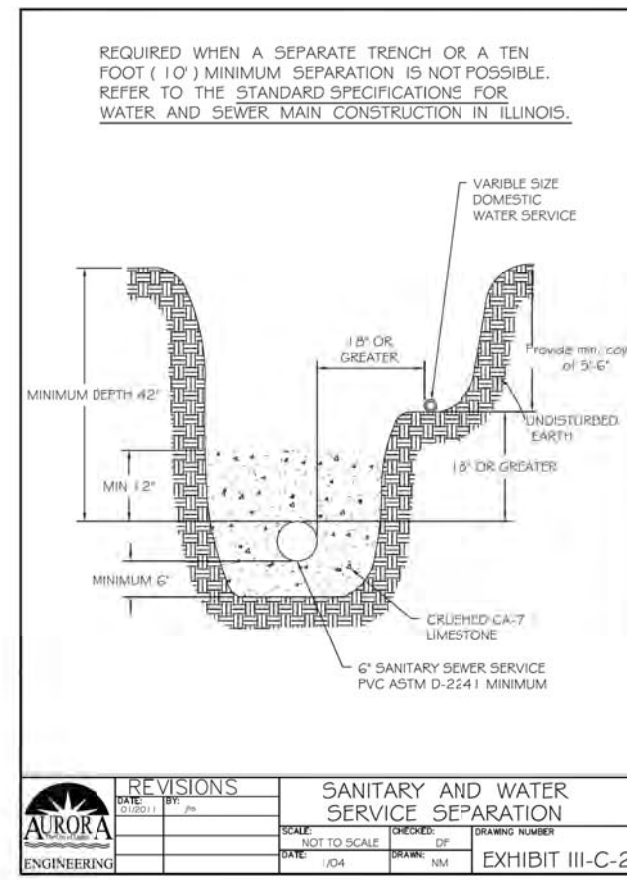
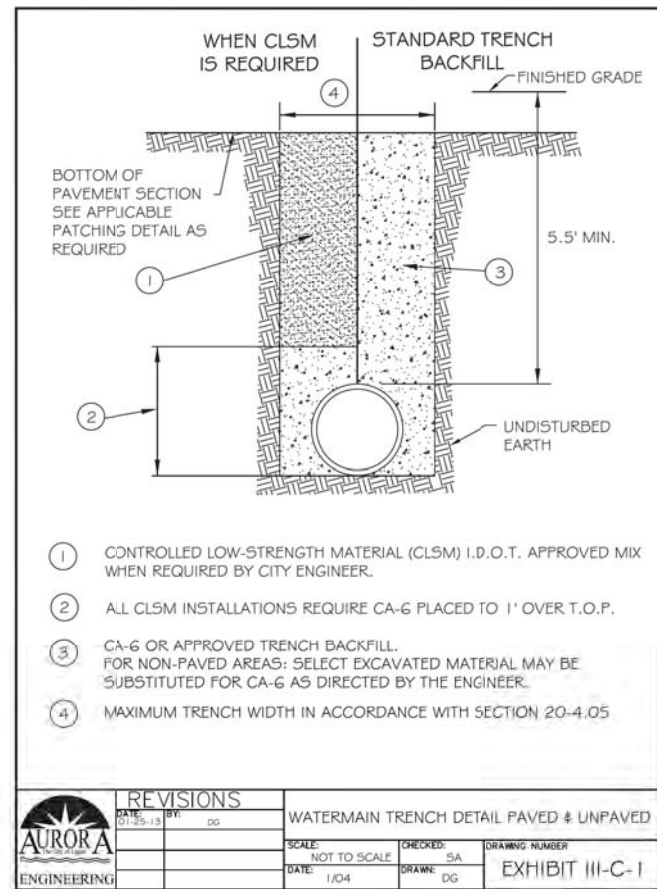
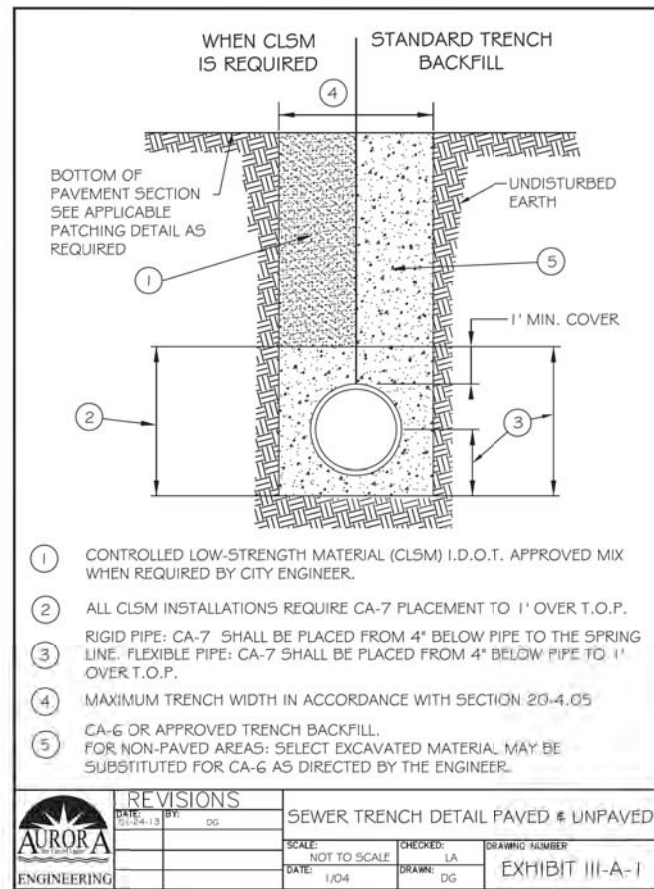
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STATE OF ILLINOIS
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RIVEREDGE PEDESTRIAN BRIDGE RETAINING WALLS
 SOIL BORING LOGS

SHEET NO. 9 OF 9 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61E18			ILLINOIS FED. AID PROJECT	

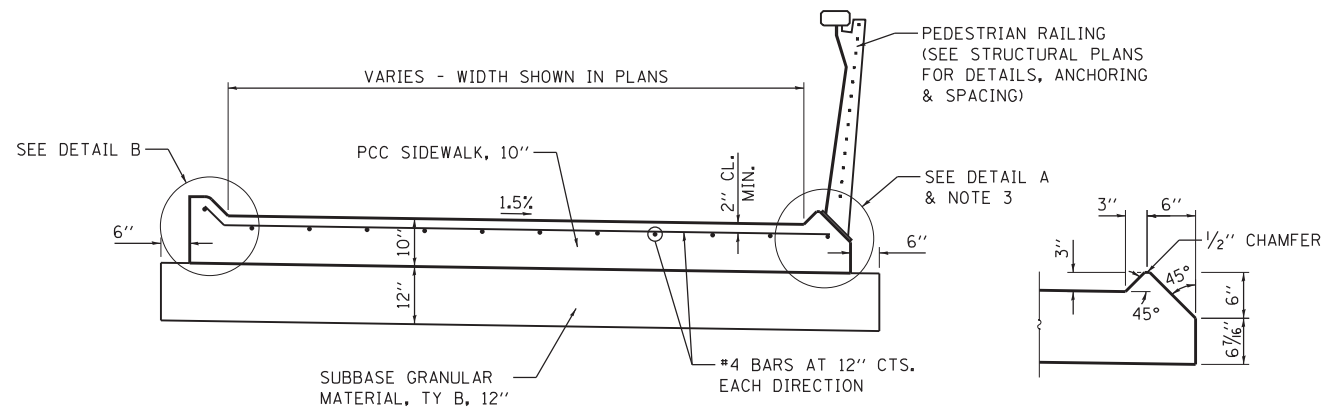


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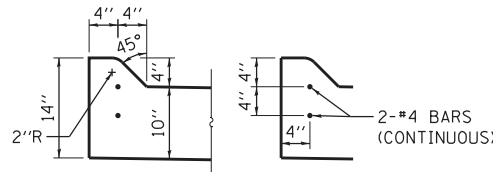
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AURORA TRANSIT CENTER IMPROVEMENTS CONSTRUCTION DETAILS			
SCALE: 10'	SHEET	OF 254 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	240
CONTRACT NO. 61E18				
ILLINOIS FED. AID PROJECT				



DETAIL A

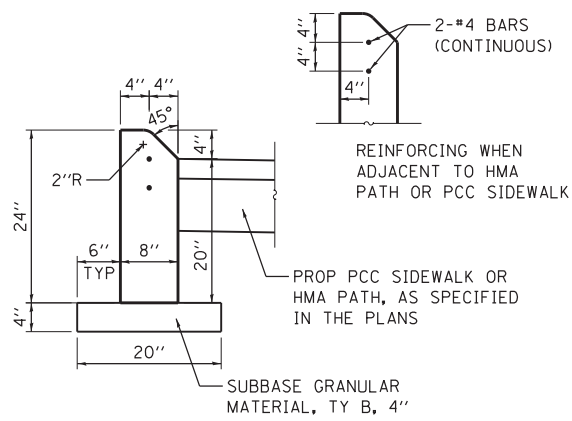


DETAIL B

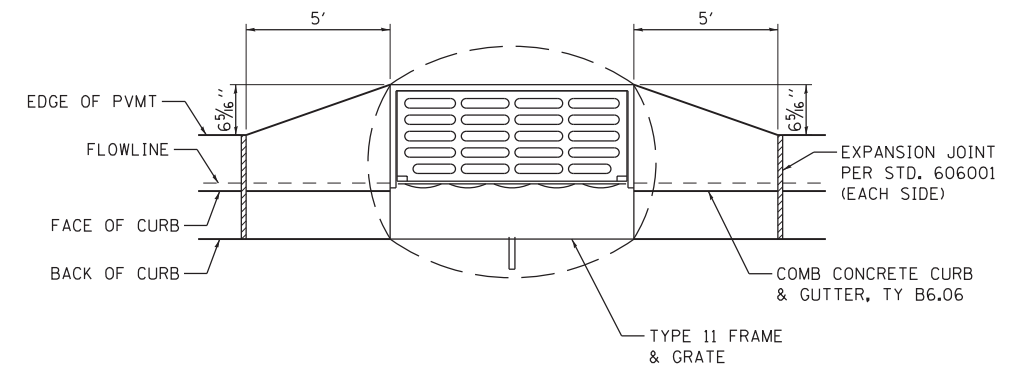
NOTES:

1. THE SIDEWALK AND CURBS SHALL BE POURED MONOLITHICALLY.
2. THE SUBBASE GRANULAR MATERIAL, TYPE B SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF "PORTLAND CEMENT CONCRETE SIDEWALK 10", SPECIAL."
3. PEDESTRIAN RAILING SHALL BE ATTACHED TO THE CURB AS DETAILED IN THE BRIDGE PLANS.

PORTLAND CEMENT CONCRETE SIDEWALK 10", SPECIAL DETAIL



CONCRETE CURB (SPECIAL) DETAIL

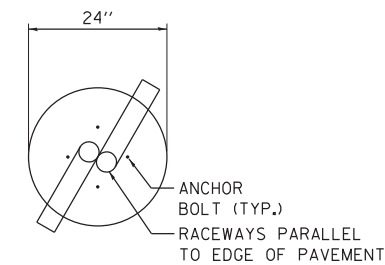


CONCRETE FLARE OUT DETAIL FOR TYPE 11 FRAME & GRATE

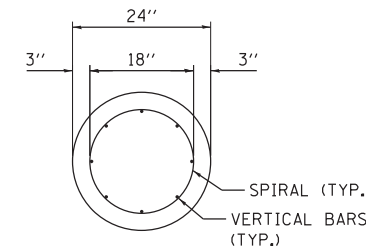
LOCATED IN PARKING LOT X AT STATION & OFFSETS SPECIFIED IN THE PLANS

NOTES:

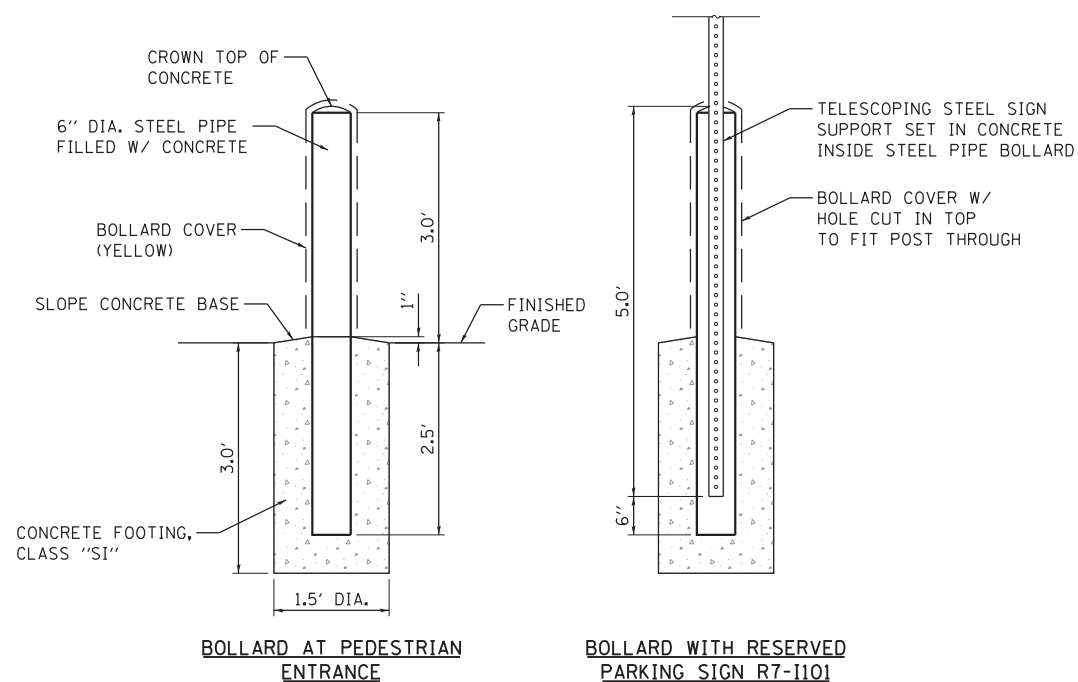
1. THE ANCHOR BOLTS SHALL BE INSTALLED PER LIGHTING POLE MANUFACTURER SPECIFICATIONS.
2. THE CONTRACTOR SHALL USE #3 SPIRAL AT 6" PITCH OR AT HIS OPTION MAY SUBSTITUTE #3 TIES AT 12" O/C.
3. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE.
4. CONCRETE SHALL BE CLASS "SI". CONCRETE FOUNDATION MUST BE CURED FOR (10) TEN DAYS BEFORE THE LIGHT IS ERECTED.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FINALLY COMPACTED BEFORE THE LIGHT IS ERECTED.
6. RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION.
7. THE FOUNDATION SHALL BE PAID FOR AS "LIGHT POLE FOUNDATION, SPECIAL".



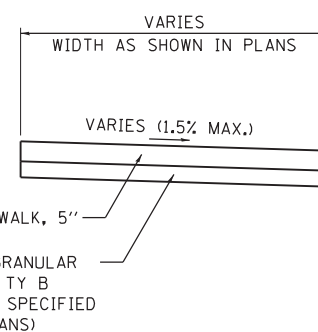
TOP VIEW



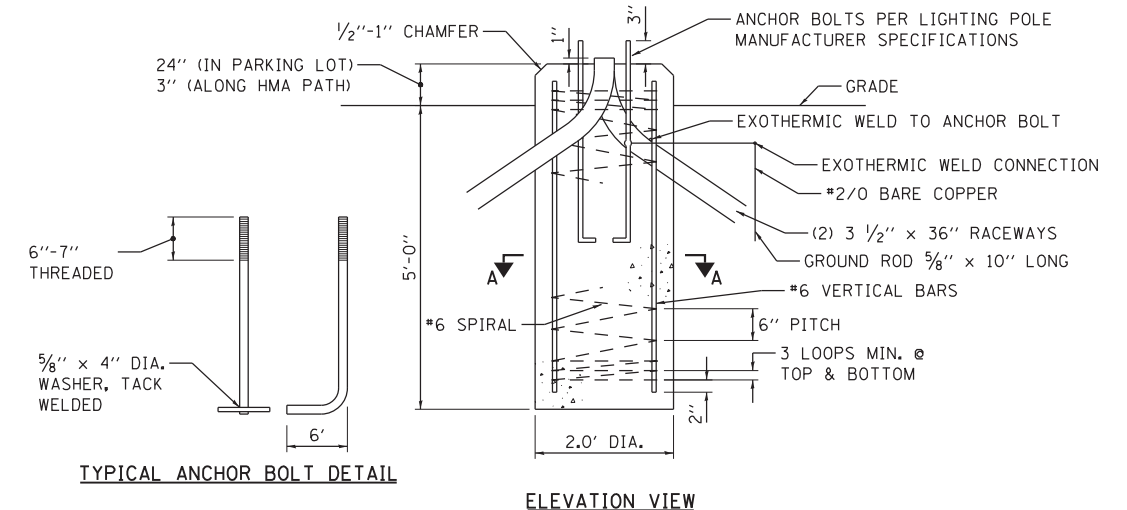
SECTION A-A



BOLLARD DETAIL



PORTLAND CEMENT CONCRETE SIDEWALK, 5" DETAIL



TYPICAL ANCHOR BOLT DETAIL

ELEVATION VIEW

LIGHT POLE FOUNDATION, SPECIAL DETAIL

FILE NAME = W:\Projects\2016\160194_ATCPhaseII\cadd\civil\Dgn\Shit\DT_01.dgn



WBK ENGINEERING, LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

USER NAME = nparris
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CHECKED - MNB
DATE - 10/18/17

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REVISED -
REVISED -
REVISED -
REVISED -

DESIGNED - MNB
DRAWN - NDP
CHECKED - MNB
DATE - 10/18/17

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DATE - 10/18/17

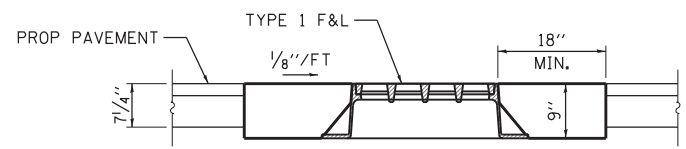
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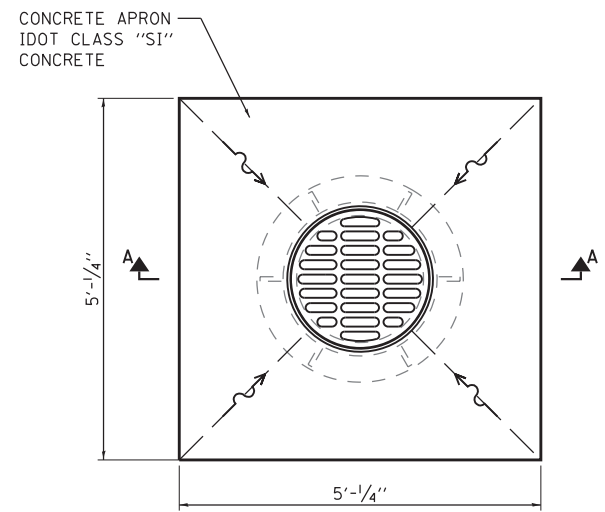
GENERAL DETAILS

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	241
CONTRACT NO. 61E18			ILLINOIS FED. AID PROJECT	

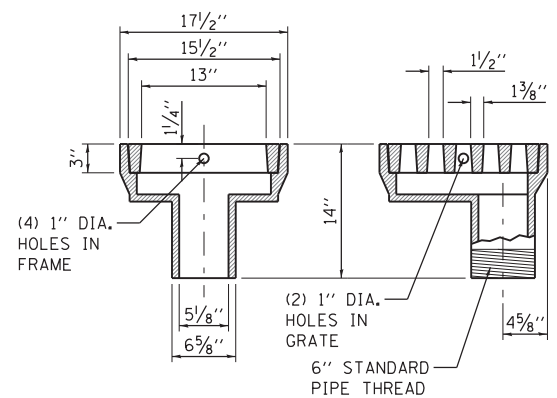


SECTION A-A

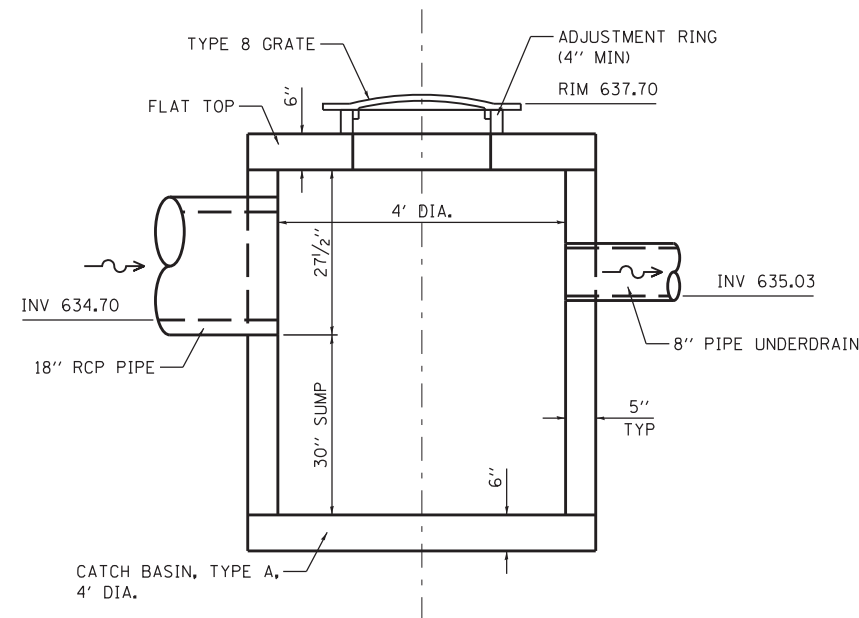


PLAN VIEW

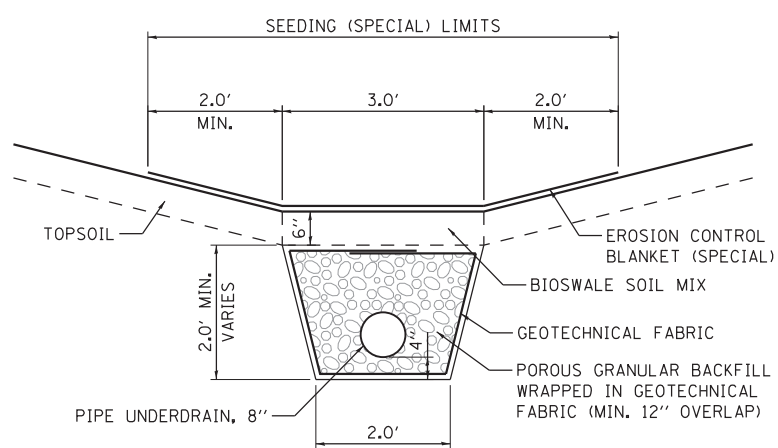
CONCRETE APRON AROUND INLETS DETAIL



SIDEWALK FLOOR DRAIN DETAIL
(NEENAH R-3961)



CATCH BASIN, TYPE A, 4' DIA.
W/SPECIAL FRAME & GRATE DETAIL
STA 32+33.8, 160.6' RT (PARKING LOT X)



STONE LINED DITCH DETAIL

FILE NAME = W:\Projects\2016\160194_ATCPhaseII\Cadd\Civil\Dgn\Shd\DT_02.dgn



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116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

USER NAME = nparris
PLOT SCALE = 1:20
PLOT DATE = 10/17/2017

DESIGNED - MNB
DRAWN - NDP
CHECKED - MNB
DATE - 10/18/17

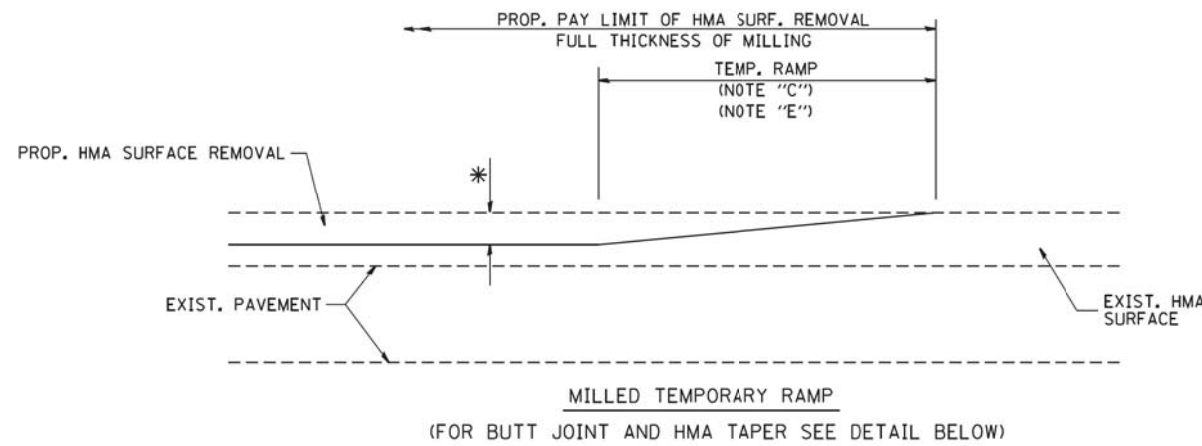
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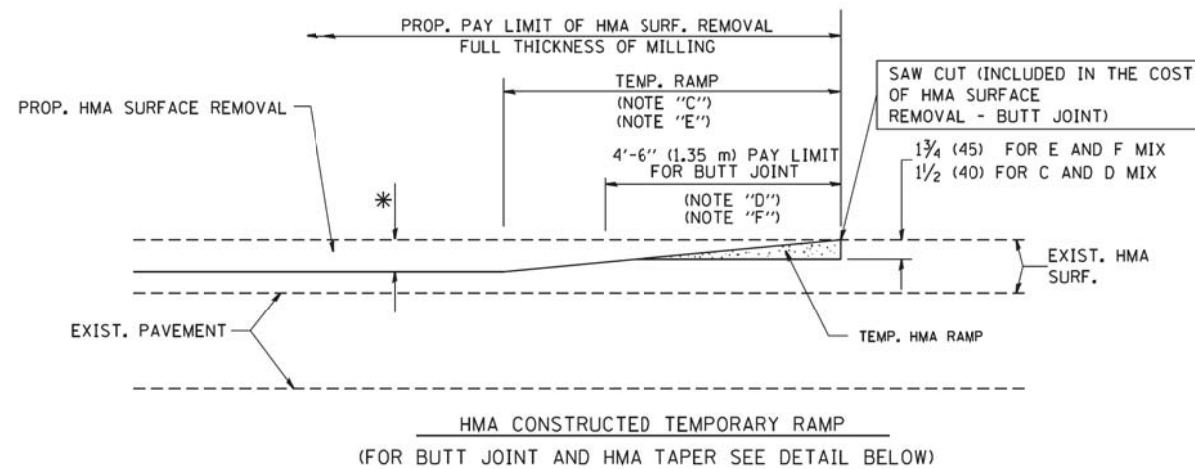
GENERAL DETAILS

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61E18				
ILLINOIS FED. AID PROJECT				

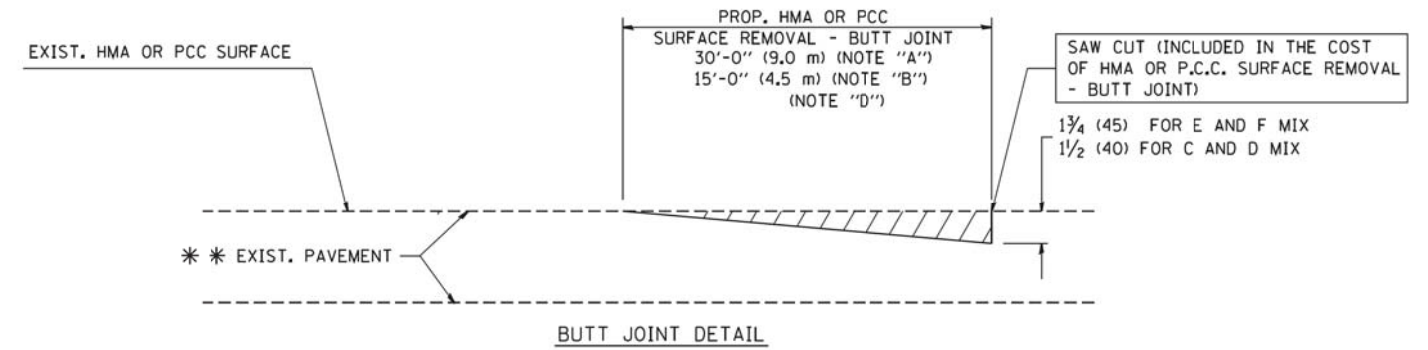


OPTION 1

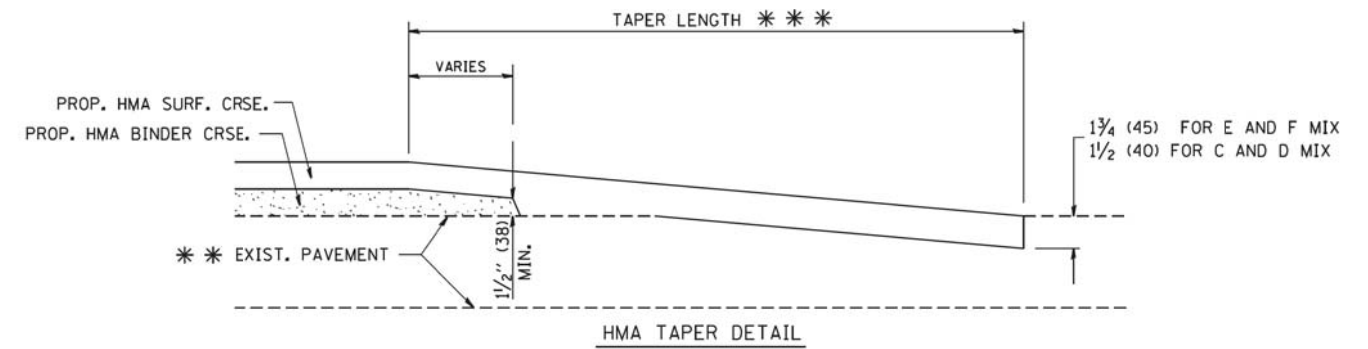


OPTION 2

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.

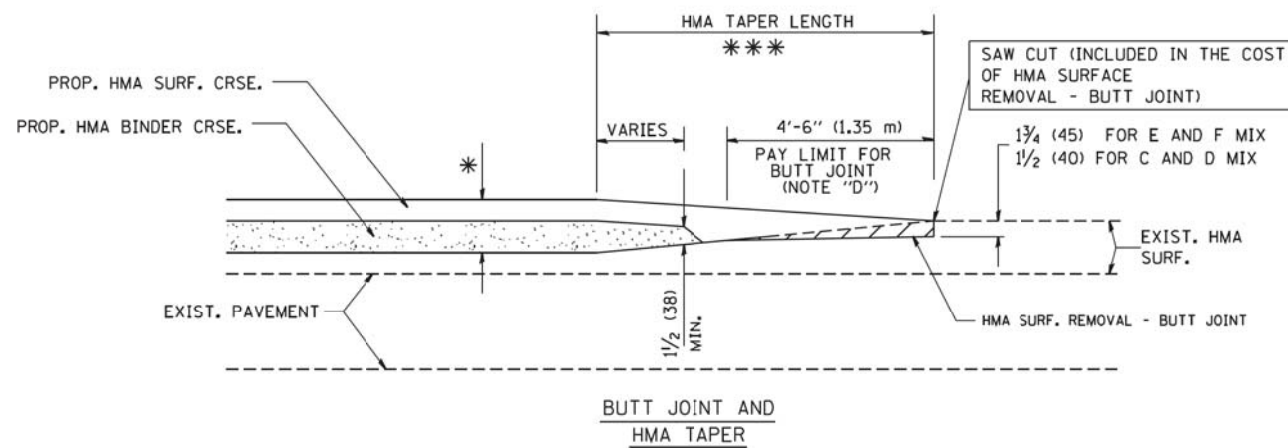
NOTES

- 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
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 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.



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

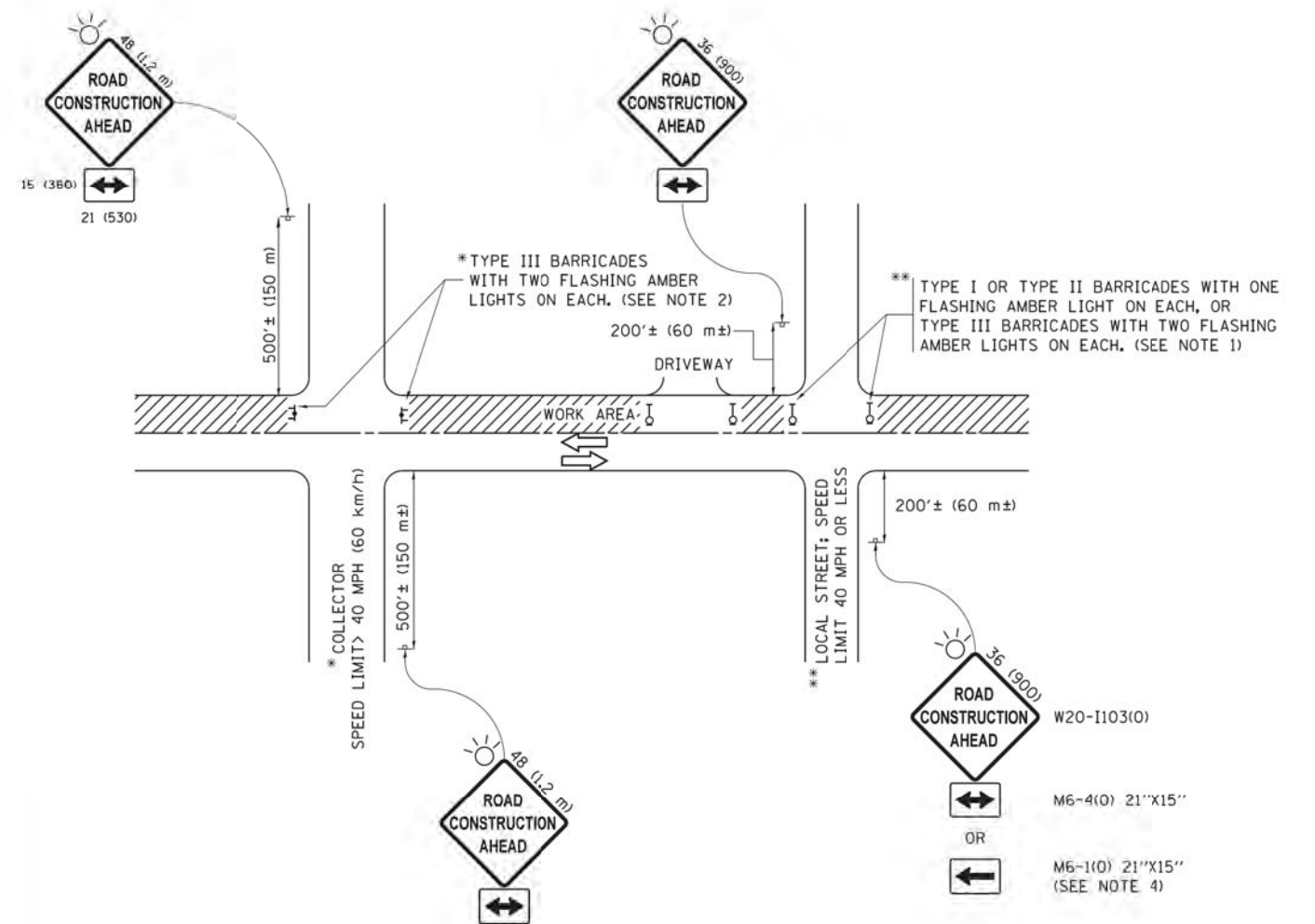
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		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	243
BD400-05 BD32		CONTRACT NO. 61E18		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

- 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:
 - 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.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- 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.
- 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).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 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.

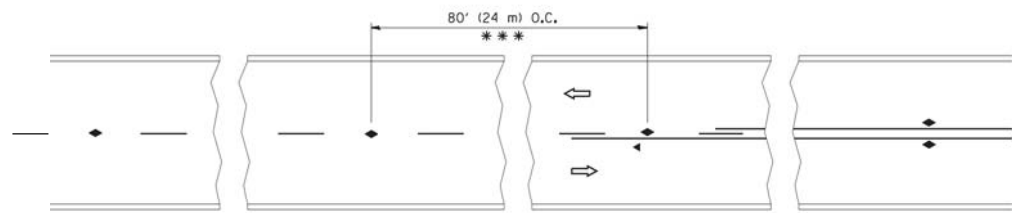
FILE NAME =	USER NAME = foatemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw\j\084EBIDINTE\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist		DRAWN\CADData\CADsheets\c18.dgn	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50,000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 05-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

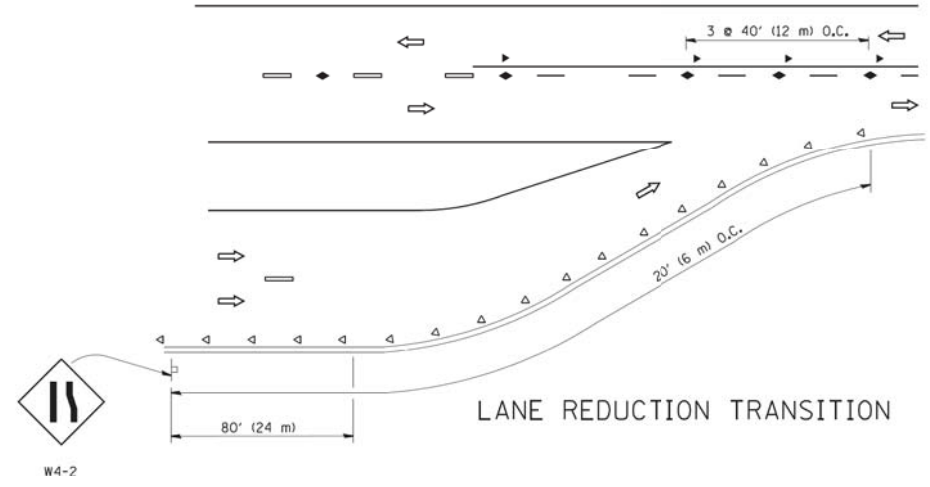
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 61E18	
ILLINOIS FED. AID PROJECT				

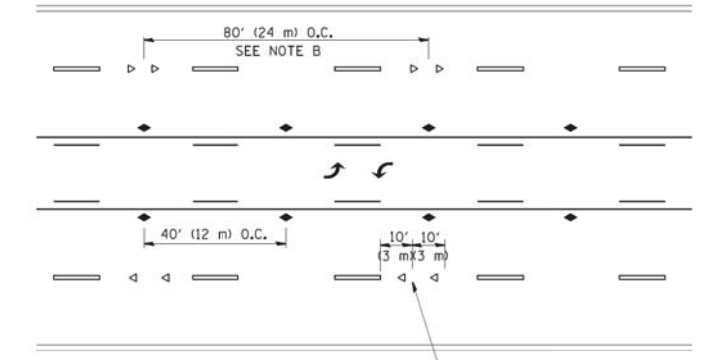


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

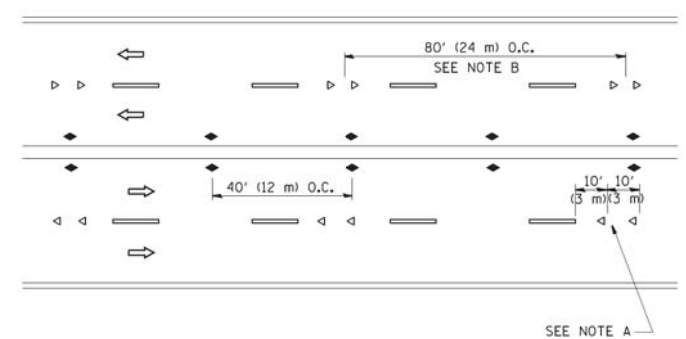
TWO-LANE/TWO-WAY



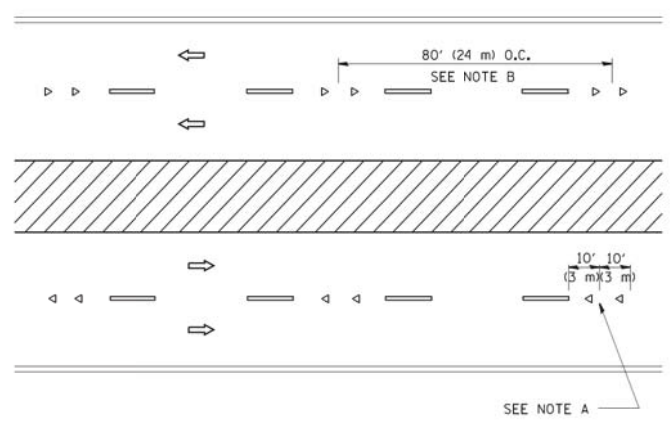
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

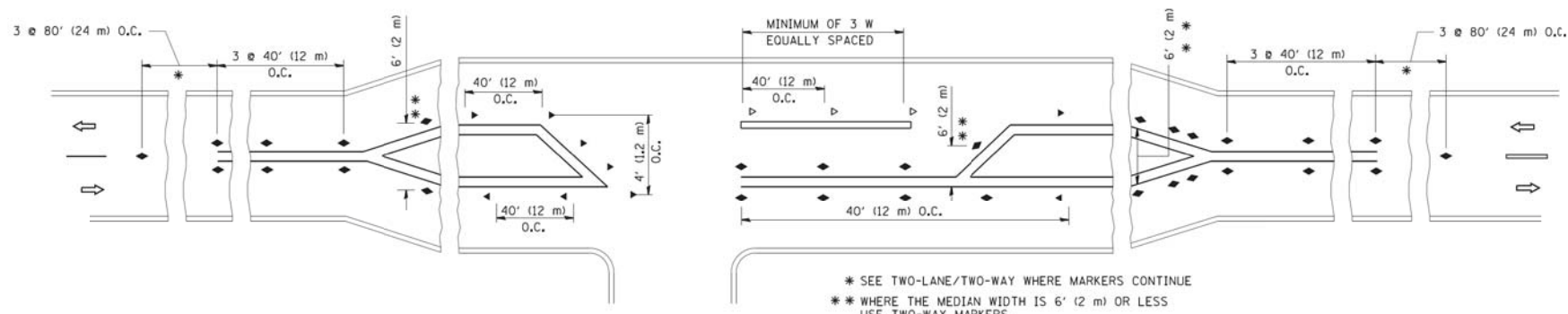
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

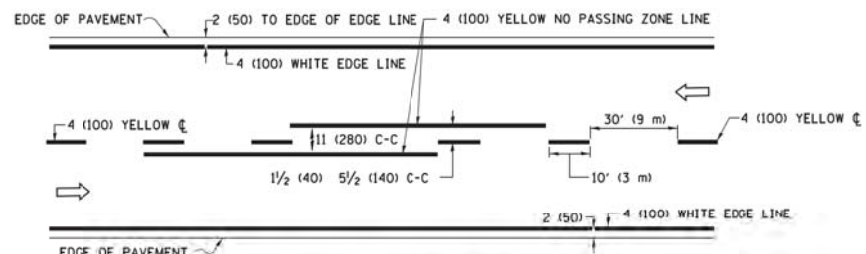
1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



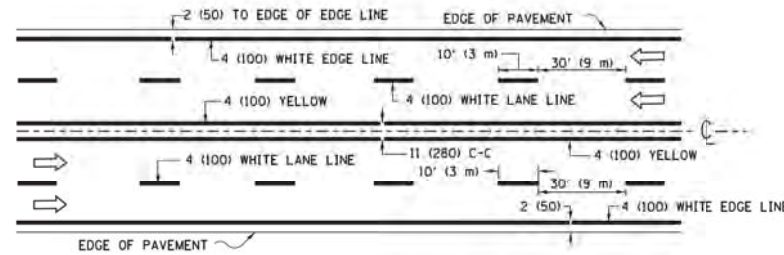
LEFT TURN

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

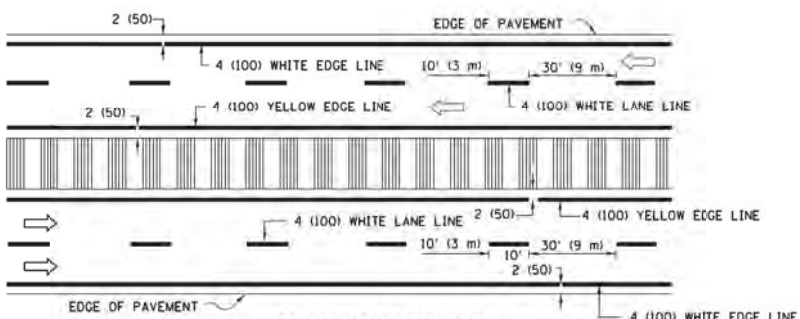
FILE NAME *	USER NAME * lejss	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwork\pwork\lejsa\d0108315\te11.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99			2503	16-00313-00-MS	KANE	254	245	
		PLOT SCALE = 50,000" / IN.	REVISOR - T. RAMMACHER 01-06-00			TC-11		CONTRACT NO. 61E18			
		PLOT DATE = 3/2/2011	REVISOR - C. JUCIUS 09-09-09			SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



2-LANE ROADWAY

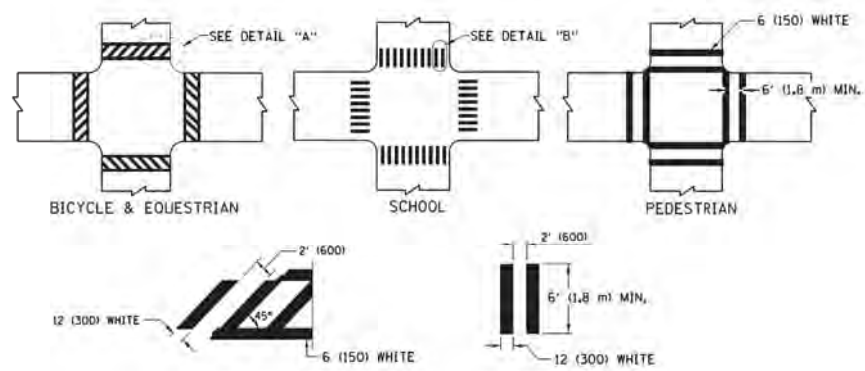


MULTI-LANE UNDIVIDED



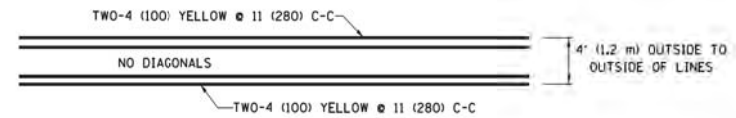
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

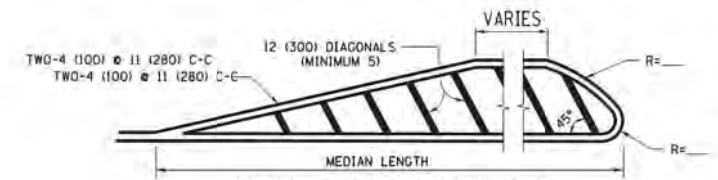


DETAIL "A" DETAIL "B"
TYPICAL CROSSWALK MARKING

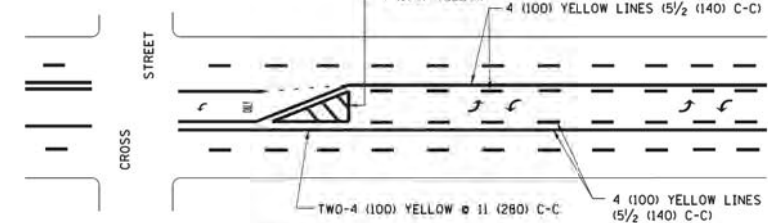
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



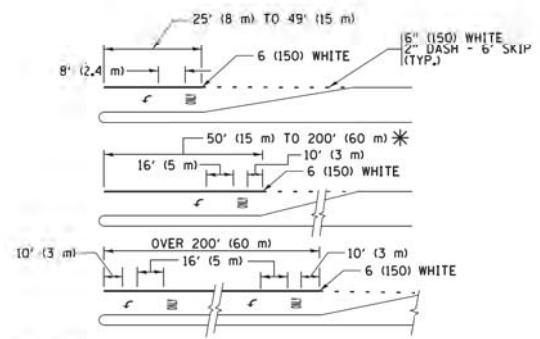
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

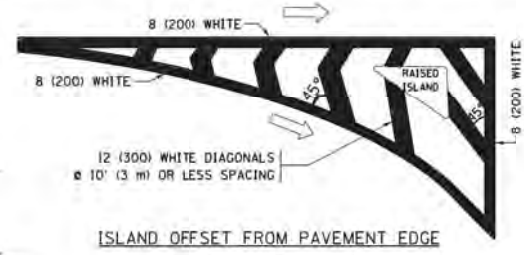


MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING

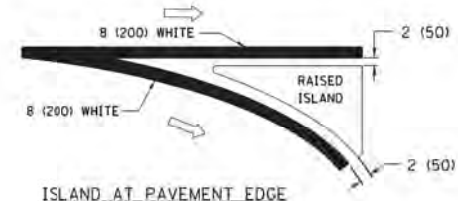


TYPICAL LEFT (OR RIGHT) TURN LANE
TYPICAL TURN LANE MARKING

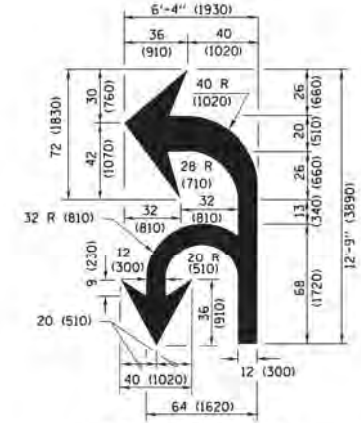
FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



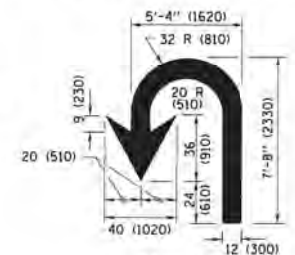
ISLAND OFFSET FROM PAVEMENT EDGE



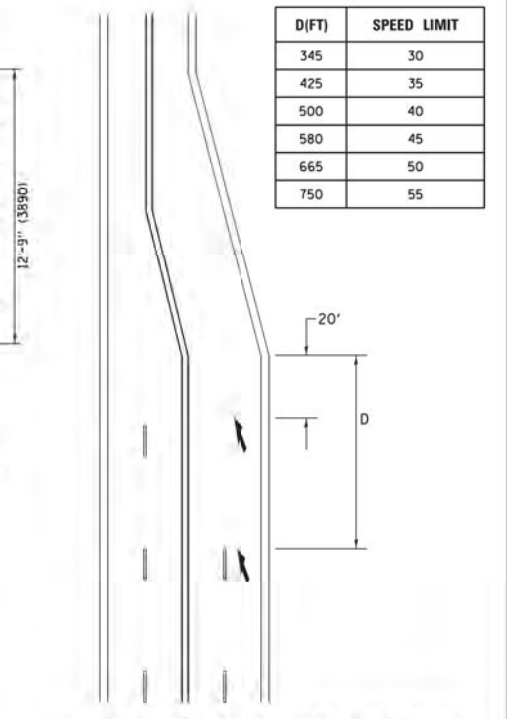
ISLAND AT PAVEMENT EDGE
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN



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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11' (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (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.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
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.

FILE NAME =	USER NAME = foatemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\j\084E8IDINTE\111nois.gov\PIWDDT\Documents\DOT Of\aces\District 1\Projects\District 1\CA0Data\0909hearts\c13.dgn		DRAWN -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 50,000 / in	CHECKED -	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 4/13/2016	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	246
TC-13		CONTRACT NO. 61E18		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

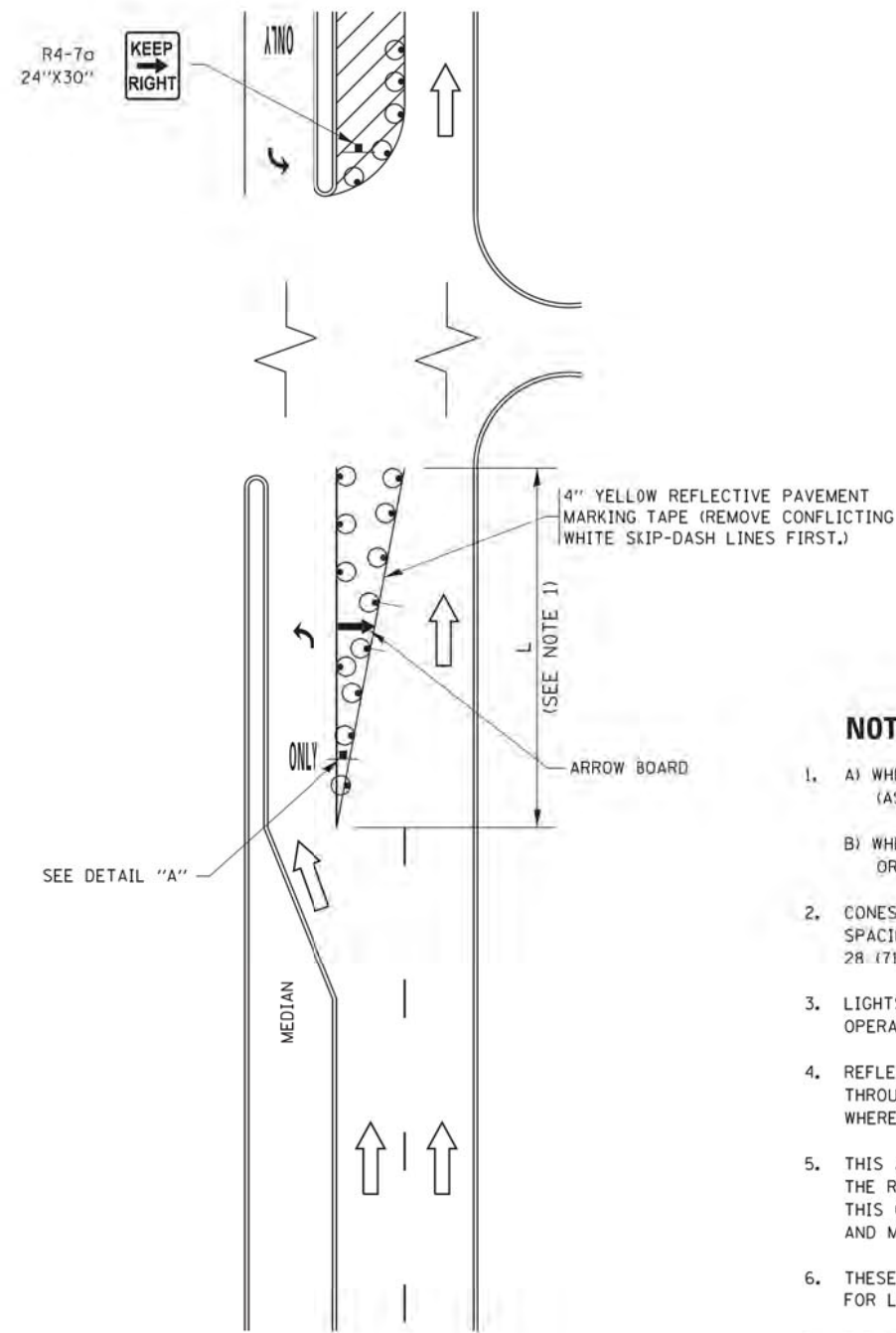


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

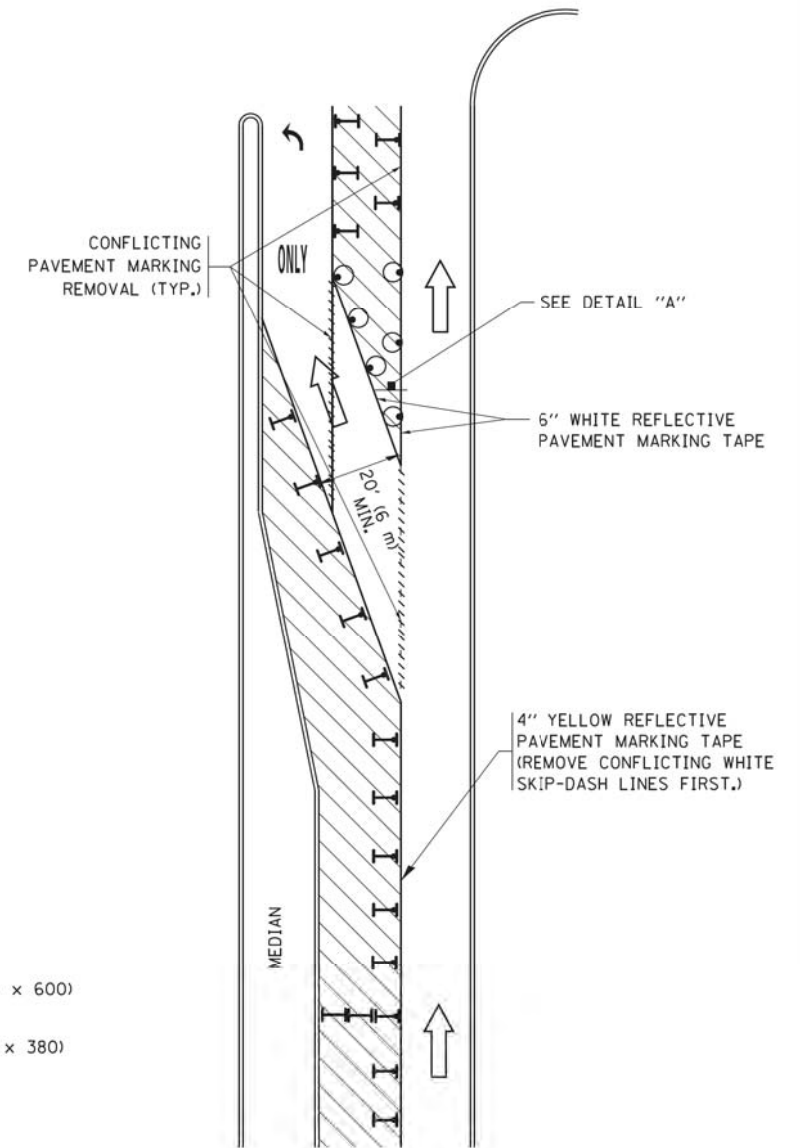


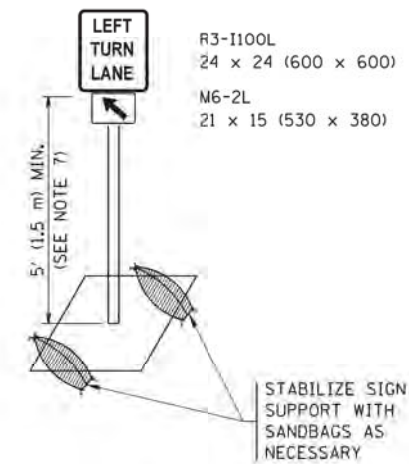
FIGURE 2

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:

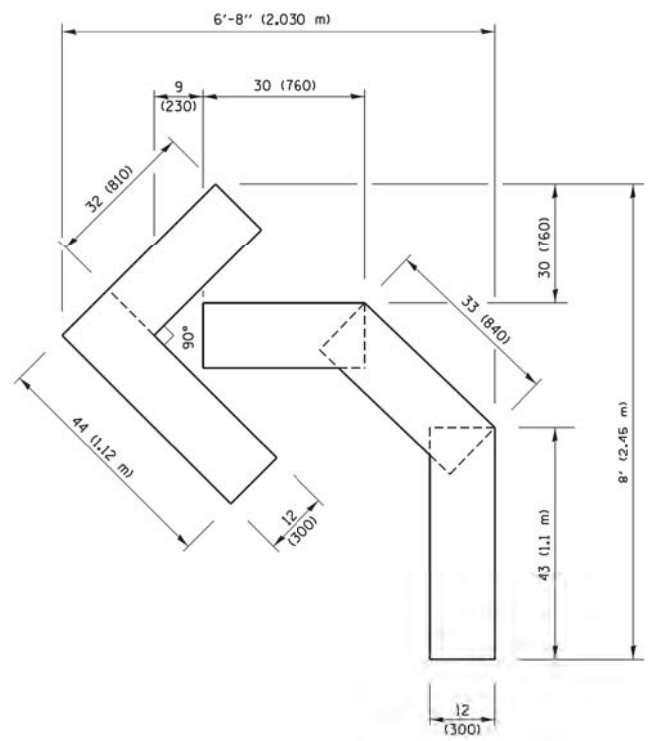
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. 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 PREQUIREMENTS.
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.



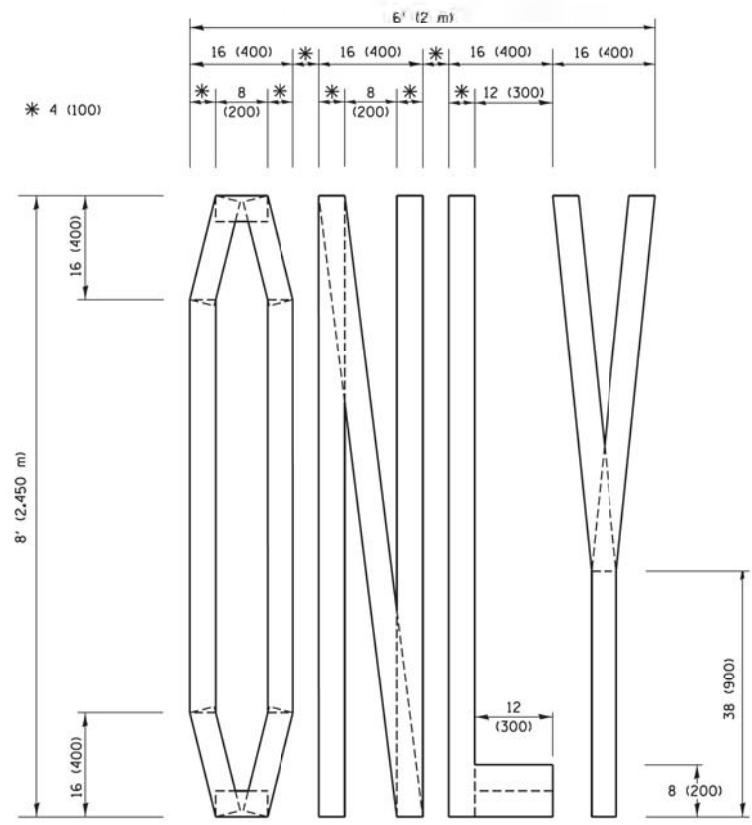
DETAIL A

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

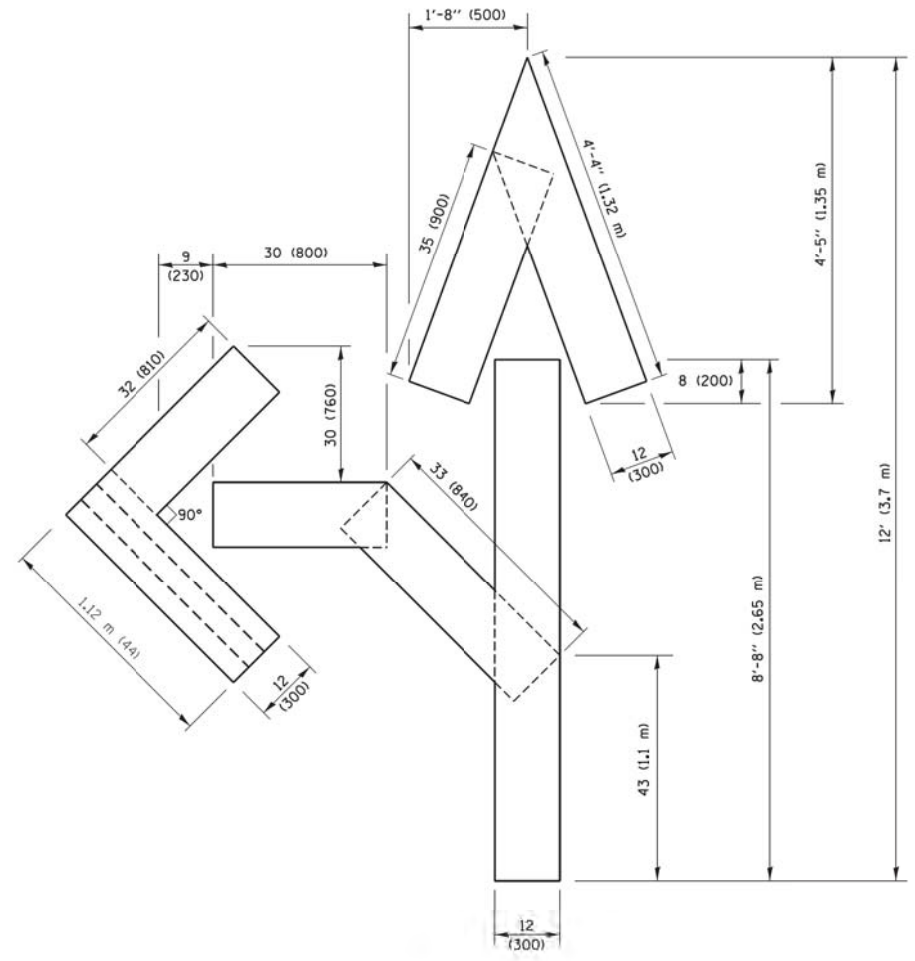
FILE NAME =	USER NAME = foatenj	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	Default	REVISED - A. HOUSEH 10-07-95	REVISED - A. SCHUETZE 07-01-13			2503	16-00313-00-MS	KANE	254	247	
		REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			TC-14		CONTRACT NO. 61E18			
		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)

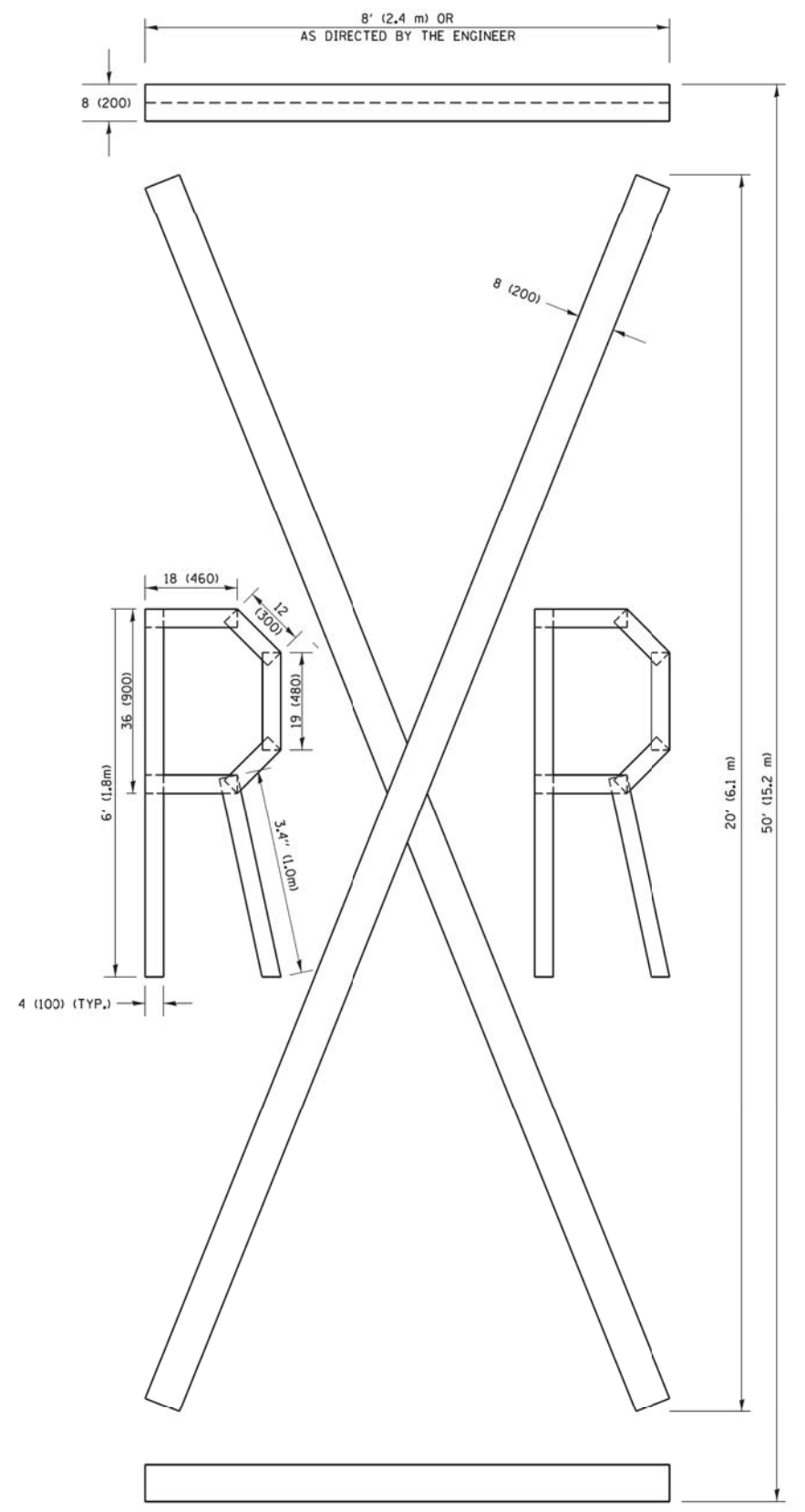


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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)

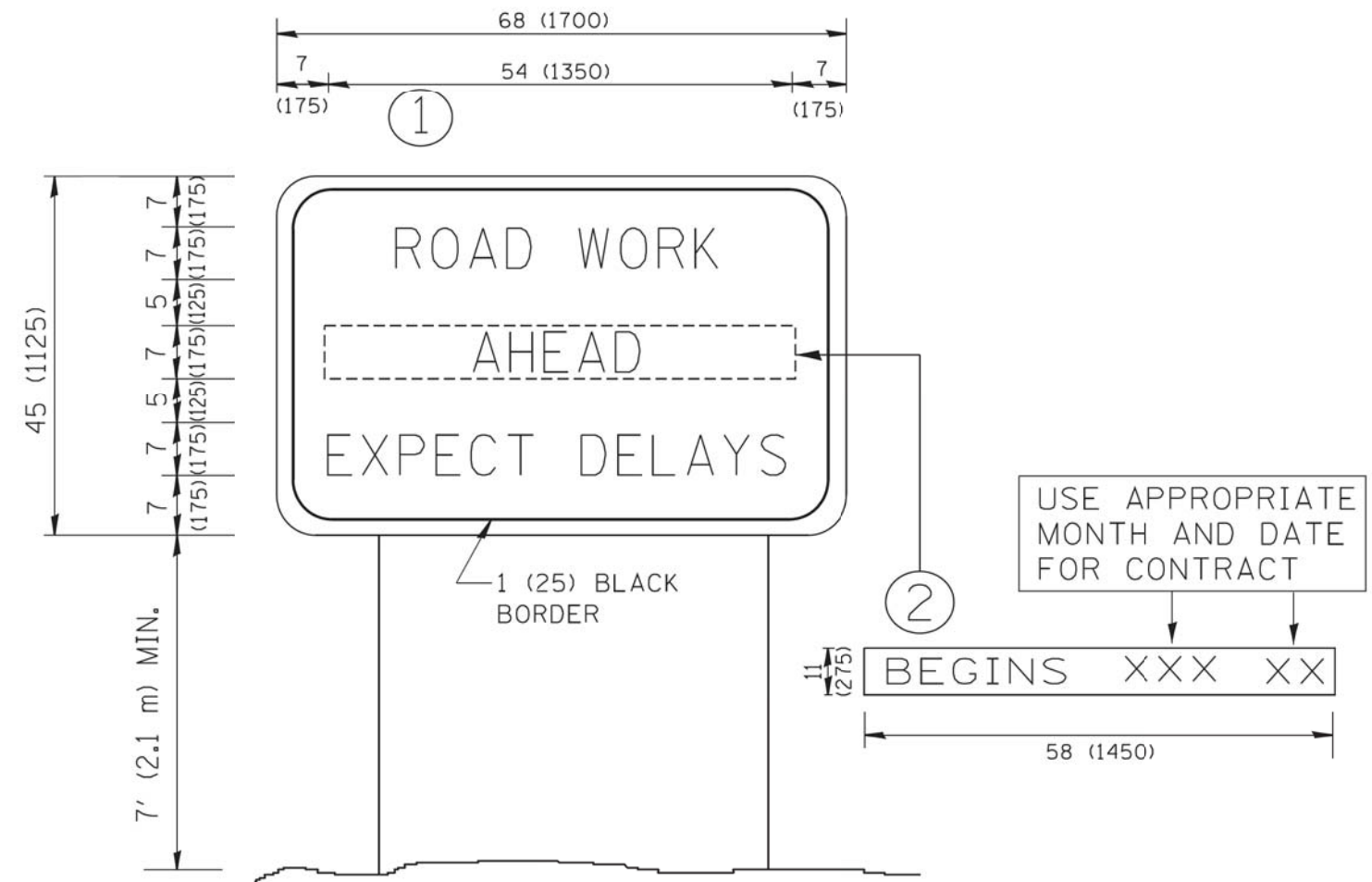
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = foatemj	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
pw\j\084EBIDINTE\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\Dist		DRAWN -	REVISED -E. GOMEZ 08-28-00
		CHECKED -	REVISED -E. GOMEZ 08-28-00
		DATE -	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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	248
TC-16			CONTRACT NO. 61E18	
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.

FILE NAME = W:\diststd\22x34\ts22.dgn	USER NAME = gaglianob	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	249
TC-22			CONTRACT NO. 61E18	
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".

FILE NAME =	USER NAME = gaglianob	DESIGNED -	REVISED - C. JUCIUS 02-15-07
cs:\pwork\pwork\gaglianob\d0108315\te	PF5.dgn	DRAWN -	REVISED -
	PLOT SCALE = 50,000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

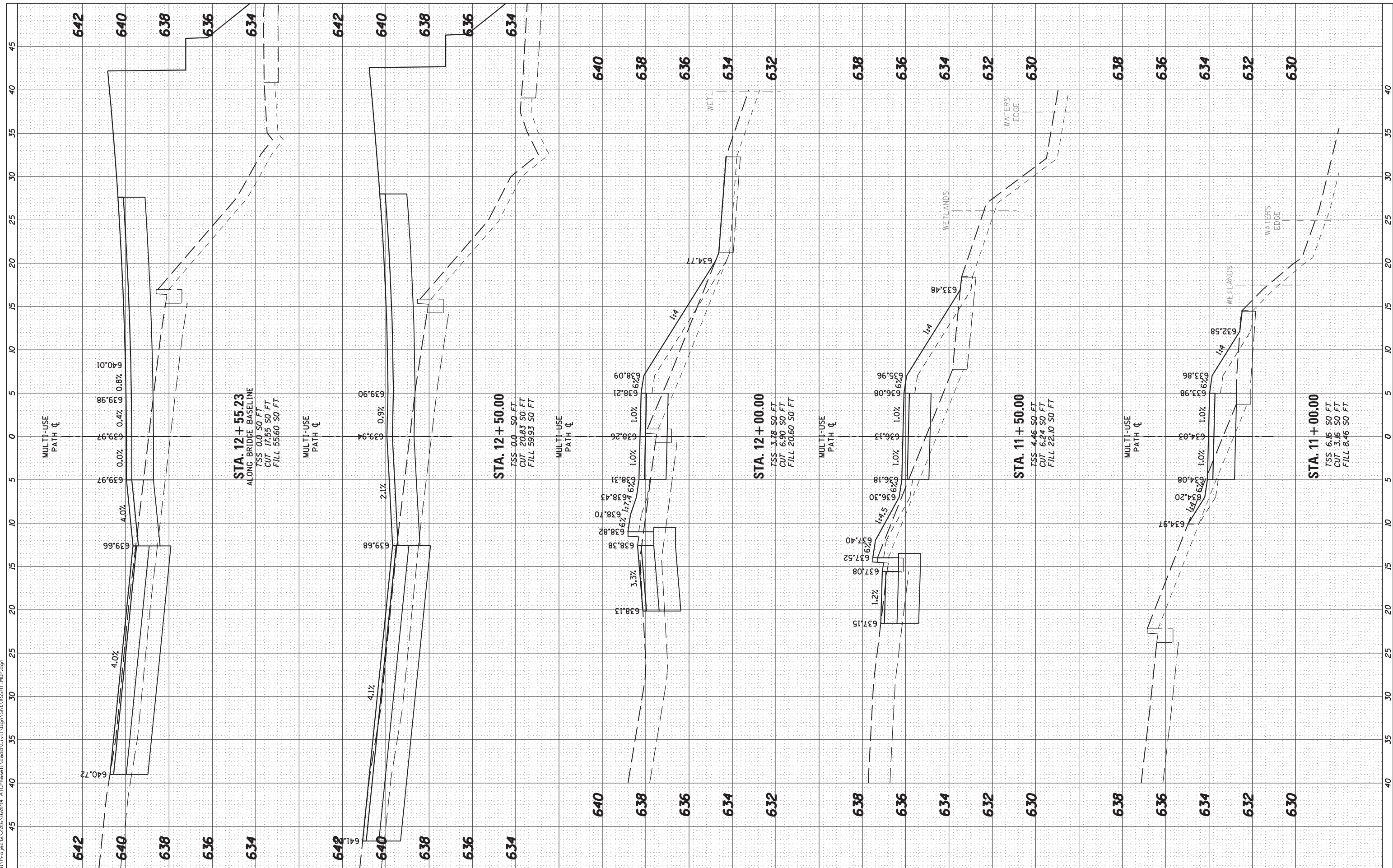
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	250
TC-26			CONTRACT NO. 61E18	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINISH SURVEY	SURVEYED	BY	DATE
NO. _____	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NO. _____	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

FILE NAME = K:\Projects\2016\160194_ATCP\Sheet\160194_ATCP_Sht11_VSSHT_MUP.dgn



WBK engineering
 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME = nparris
 PLOT SCALE = 1:10
 PLOT DATE = 10/17/2017

DESIGNED	-	MNB	REVISED	-
DRAWN	-	NDP	REVISED	-
CHECKED	-	MNB	REVISED	-
DATE	-	10/18/17	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 MULTI-USE PATH**

SCALE: H=5 V=2 SHEET NO. 2 OF 3 SHEETS STA. 11+00.00 TO STA. 12+55.23

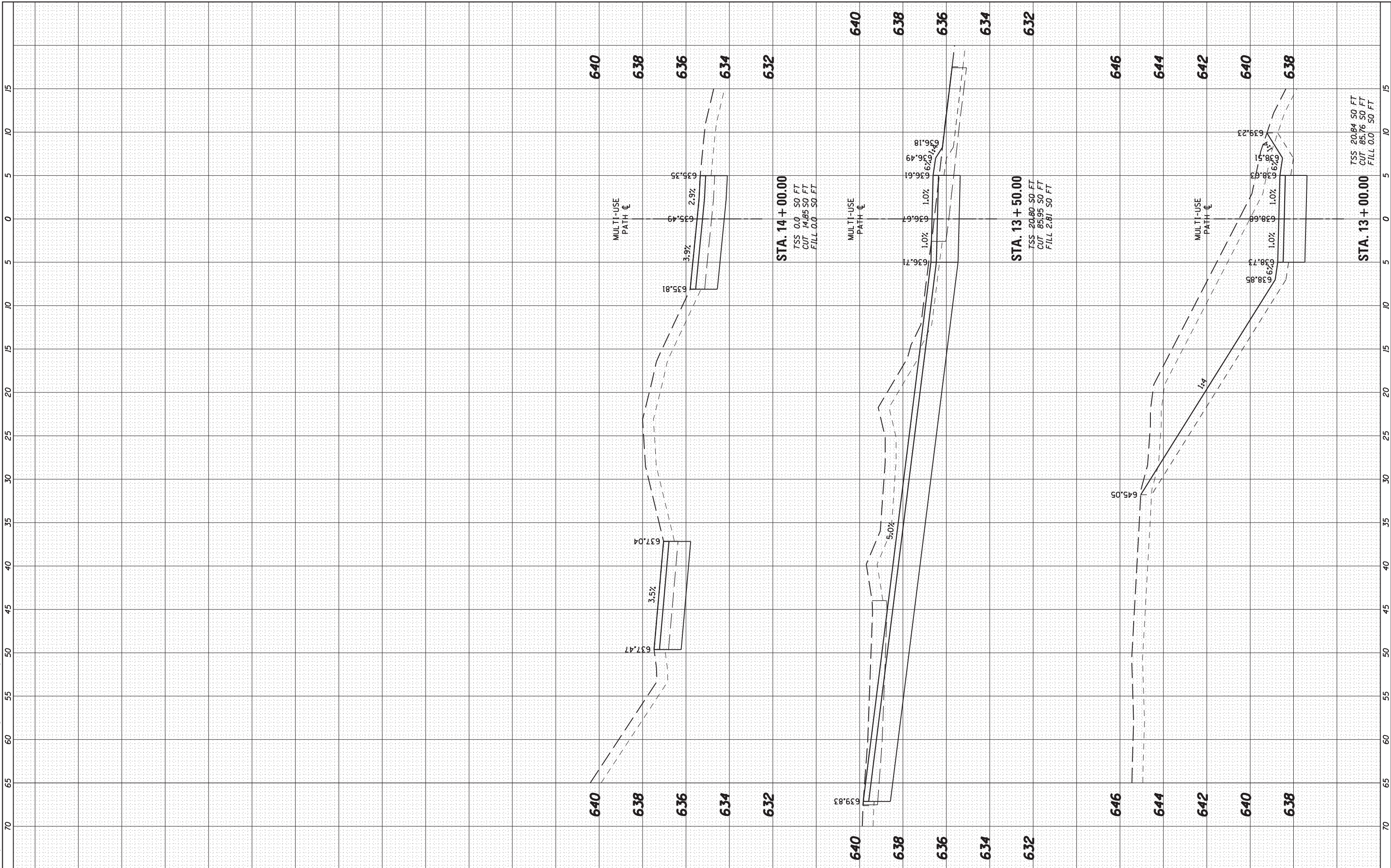
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	16-00313-00-MS	KANE	254	253
				CONTRACT NO. 61E18

ILLINOIS FED. AID PROJECT

FINISH SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

FILE NAME = K:\Projects\2016\160194_ATCP\Sheet\160194_ATCP_Sht13_VSSHT_MUP.dgn



WBK engineering
 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME = nparris
PLOT SCALE = 1:10
PLOT DATE = 10/17/2017

DESIGNED - MNB	REVISED -
DRAWN - NDP	REVISED -
CHECKED - MNB	REVISED -
DATE - 10/18/17	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS MULTI-USE PATH	
SCALE: H=5 V=2	SHEET NO. 3 OF 3 SHEETS
STA. 13+00.00 TO STA. 14+00.00	

F.A.U. RTE. 2503	SECTION 16-00313-00-MS	COUNTY KANE	TOTAL SHEETS 254	SHEET NO. 254
CONTRACT NO. 61E18				
ILLINOIS FED. AID PROJECT				