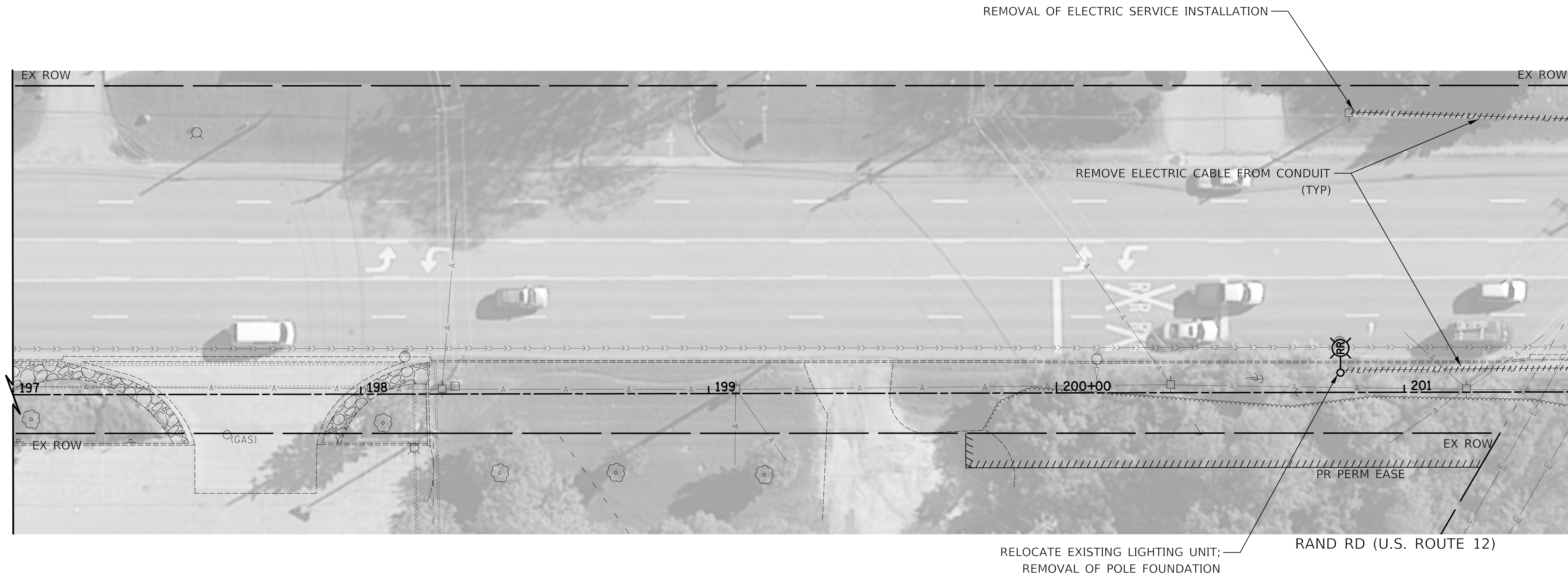


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	RT. OF WAY CHECKED	
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PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	B.M. NOTED	
	STRUCTURE NOTATIONS CHKD	

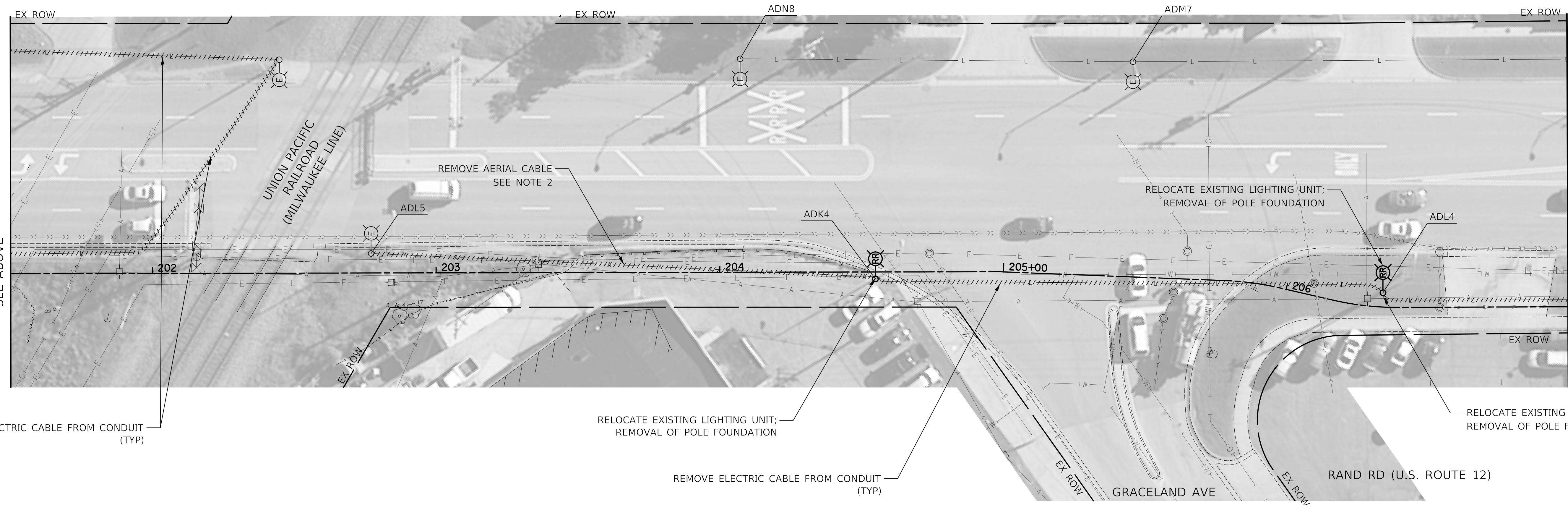


MATCH LINE STA. 201+50
SEE BELOW

LEGEND
POLE #

NOTE

1. THERE IS NO TEMPORARY LIGHTING FOR THIS PROJECT. THE EXISTING LIGHTING SYSTEM MUST REMAIN OPERATIONAL AT ALL TIMES UNTIL THE PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL. TRANSITION OF EXISTING TO PROPOSED LIGHTING SYSTEM WILL BE COORDINATED AND COMPLETED ON THE SAME DAY WITHOUT ANY INTERRUPTION OF OPERATION FOR THAT SAME EVENING. THE RELOCATED POLES SHALL BE COMPLETED BEFORE AND/OR DURING CONSTRUCTION OF THE SIDEPATH.
2. EXISTING AERIAL CABLE CONNECTION BETWEEN POLE #ADL5 AND POLE #ADK4.



MATCH LINE STA. 201+50
SEE ABOVE

MATCH LINE STA. 207+00
SEE SHEET NO. 102

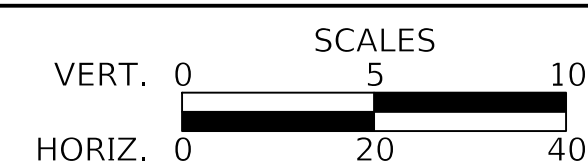


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Tel: 630.773.3900 Fax: 630.773.3975
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DATE	-	REVISED	-

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



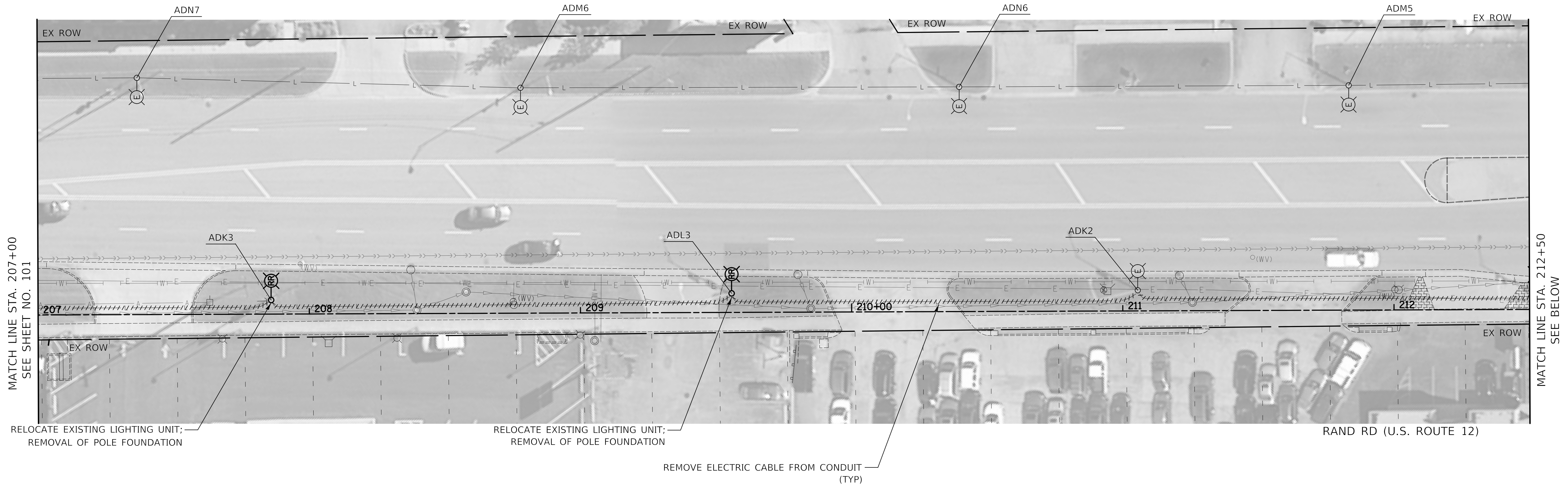
EXISTING LIGHTING PLAN

SHEET 1 OF 2 SHEETS STA. 197+00 TO STA. 207+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	101
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	RT. OF WAY CHECKED	
	NO. _____	
	CADD FILE NAME	

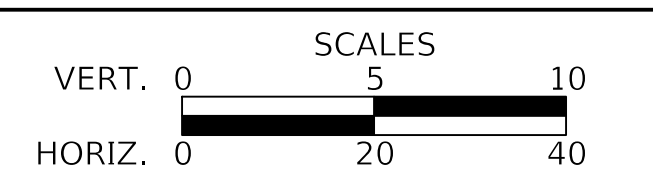
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	PLOTTED	BY
	NOTED	
	B.M. ADDED	
	STRUCTURE NOTATIONS CHKD	
	NO. _____	



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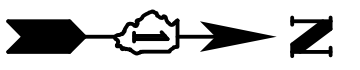
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DRAWN -	REVISD -
CHECKED -	REVISD -
DATE - 12/28/2020	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



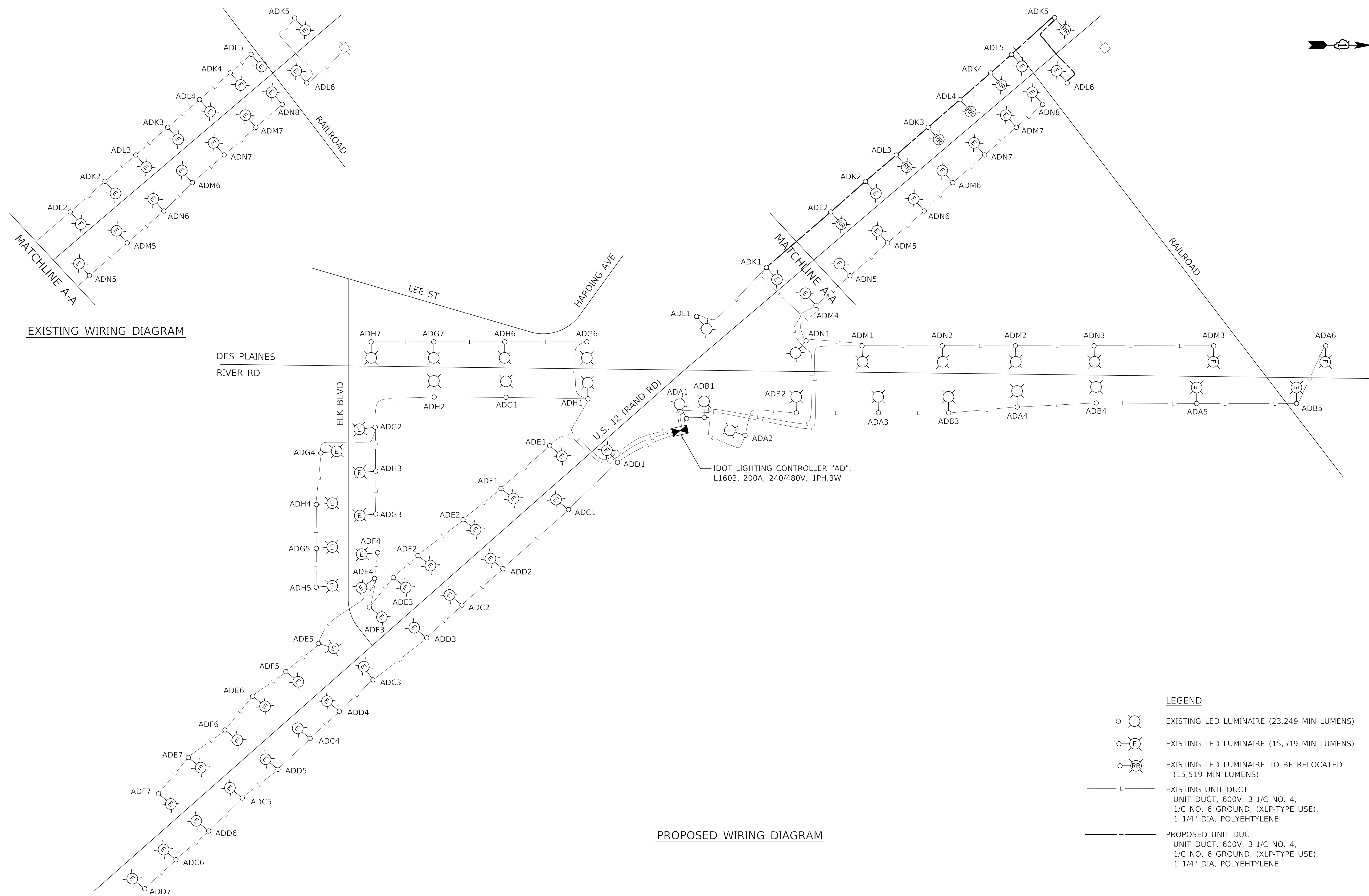
EXISTING LIGHTING PLAN
SHEET 2 OF 2 SHEETS STA. 207+00 TO STA. 213+30.7

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	102
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				



DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
NOTE BOOK NO.	
RT. OF WAY CHECKED	
CADD FILE NAME	

DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
NOTE BOOK NO.	
RT. OF WAY CHECKED	
STRUCTURE NOTATIONS CHK'D	



EXISTING WIRING DIAGRAM

PROPOSED WIRING DIAGRAM

- LEGEND**
- EXISTING LED LUMINAIRE (23,249 MIN LUMENS)
 - EXISTING LED LUMINAIRE (15,519 MIN LUMENS)
 - EXISTING LED LUMINAIRE TO BE RELOCATED (15,519 MIN LUMENS)
 - EXISTING UNIT DUCT
UNIT DUCT, 600V, 3-1/C NO. 4,
1/C NO. 6 GROUND, (XLP-TYPE USE),
1 1/4" DIA. POLYEHTYLENE
 - PROPOSED UNIT DUCT
UNIT DUCT, 600V, 3-1/C NO. 4,
1/C NO. 6 GROUND, (XLP-TYPE USE),
1 1/4" DIA. POLYEHTYLENE



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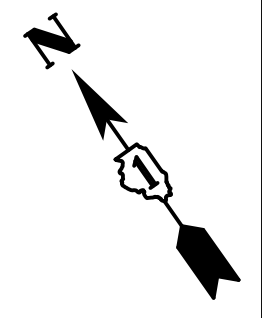
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 12/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

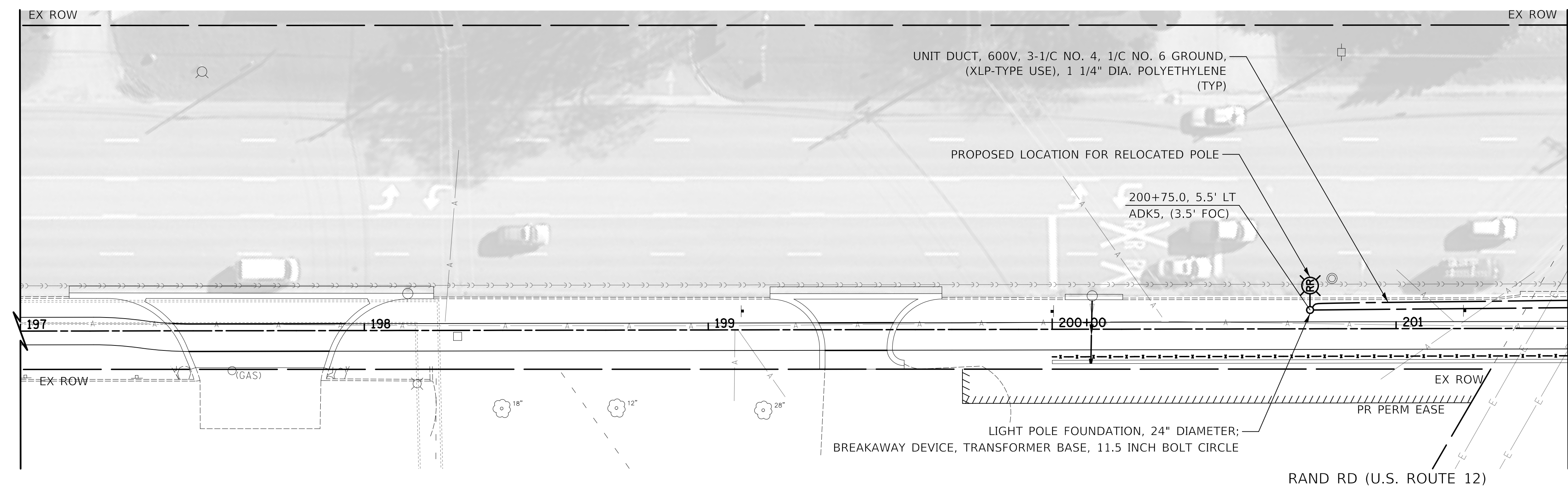
EXISTING AND PROPOSED WIRING DIAGRAMS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	103
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

SHEET 1 OF 1 SHEETS STA. TO STA.

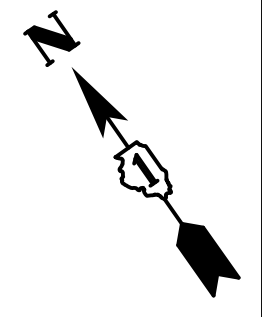
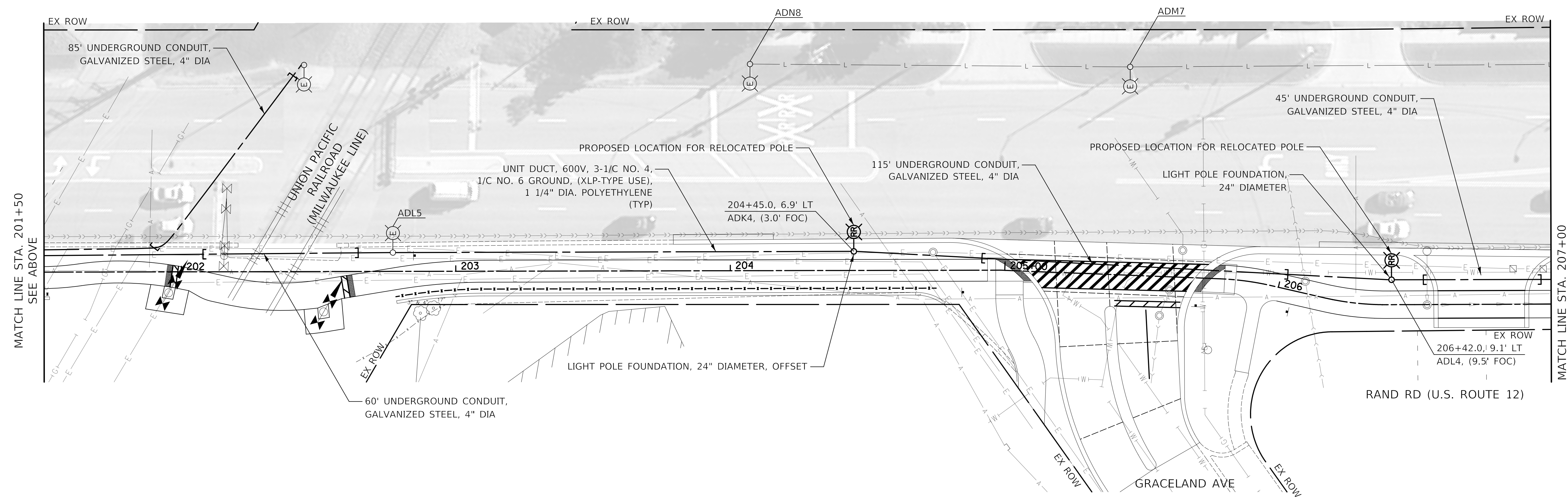


DATE	
BY	
SURVEYED	
PLOTTED	
NOTED	
RT. OF WAY CHECKED	
NOTE BOOK NO.	
CADD FILE NAME	



LEGEND	
—	STATION, OFFSET
—	POLE #, (OFFSET TO FACE OF CURB)
—	POLE #

DATE	
BY	
SURVEYED	
PLOTTED	
NOTED	
B.M. ADDED	
STRUCTURE NOTATION CHKD	



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DRAWN -	REVISÉ -
CHECKED -	REVISÉ -
DATE - 12/28/2020	REVISÉ -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

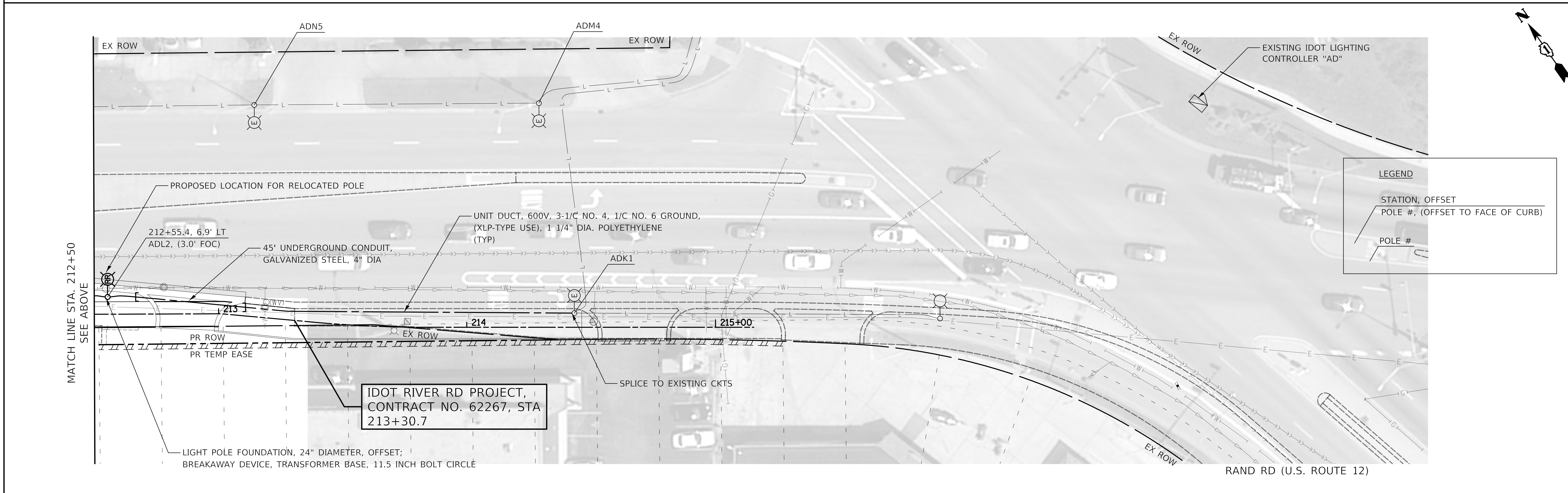
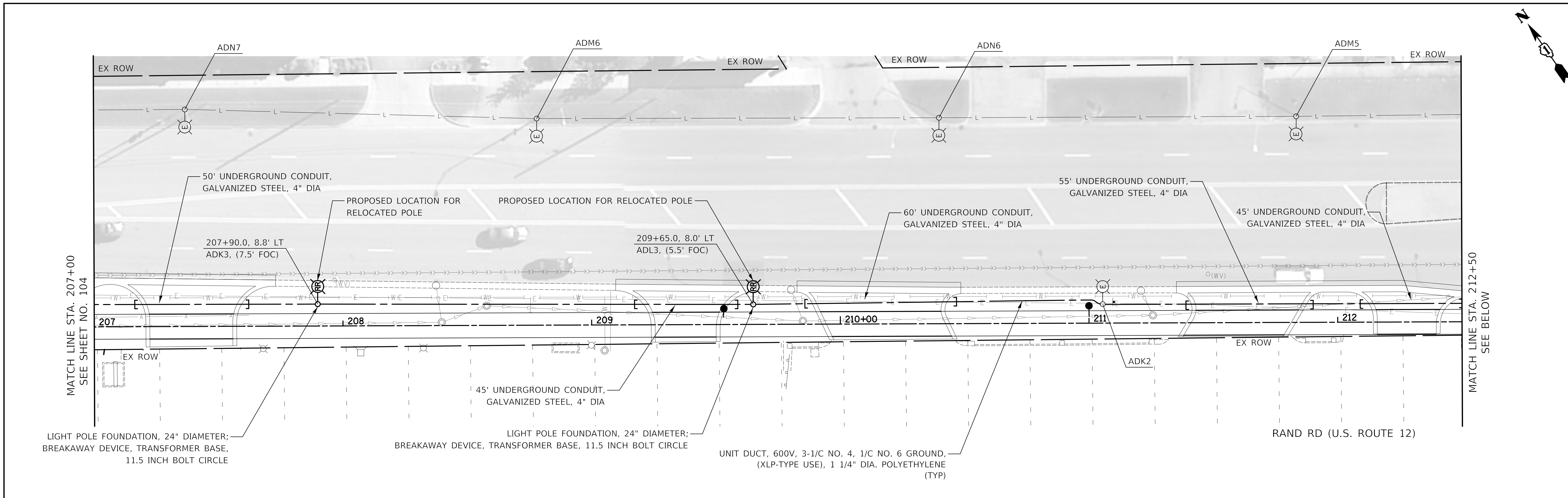
SCALES	
VERT. 0	5
	10
HORIZ. 0	20
	40

PROPOSED LIGHTING PLAN	
SHEET 1	OF 2 SHEETS
STA. 197+00	TO STA. 207+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	104
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	RT. OF WAY CHECKED	
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	CADD FILE NAME	

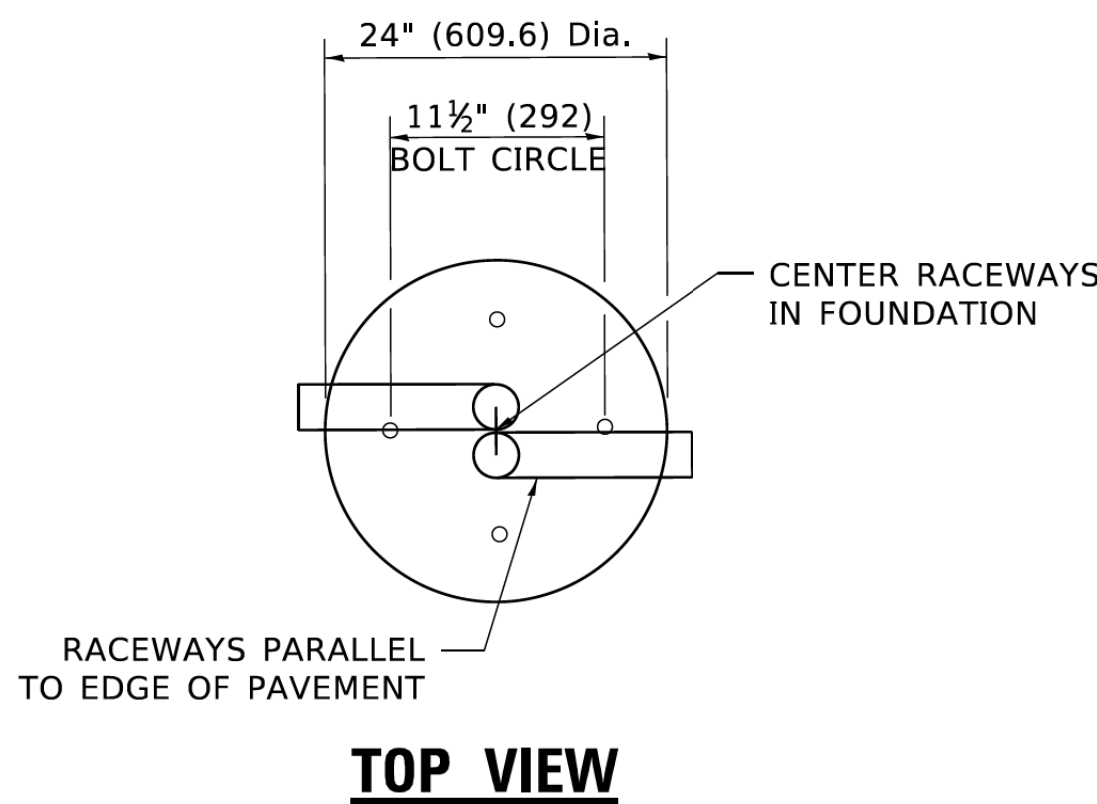
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	PLOTTED	BY
	NOTED	
	B.M. ADDED	
	STRUCTURE NOTATIONS CHK'D	



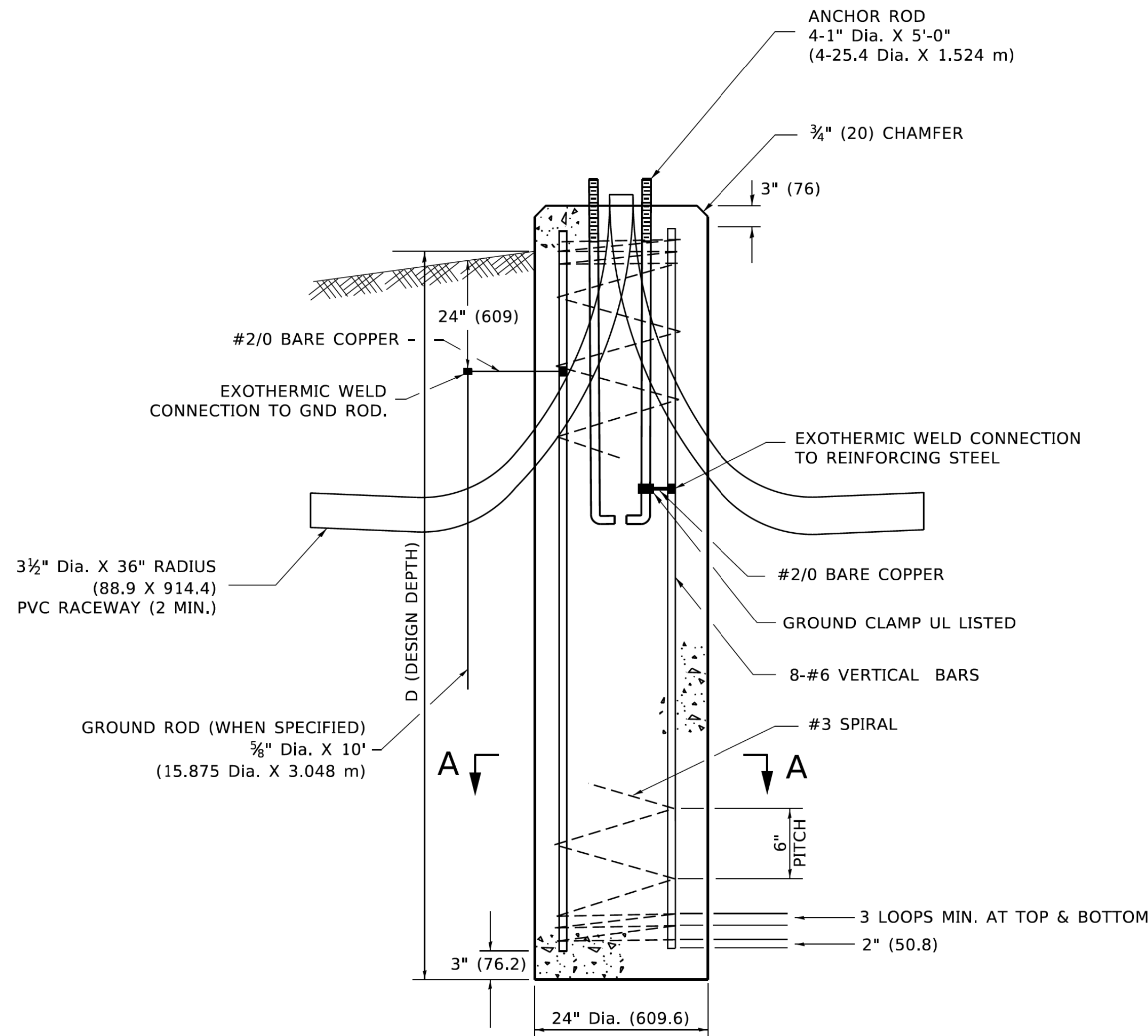
LEGEND	
—	STATION, OFFSET
○	POLE #, (OFFSET TO FACE OF CURB)
○	POLE #

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT.	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



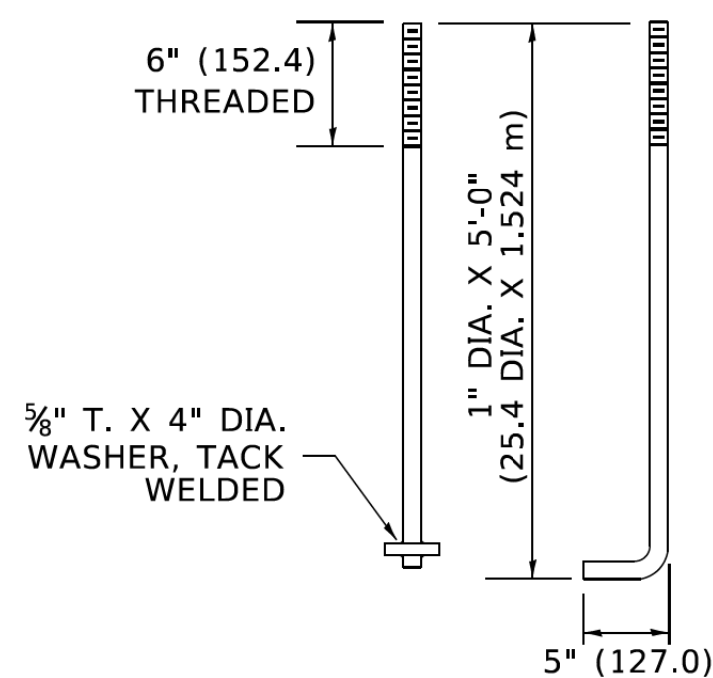
TOP VIEW



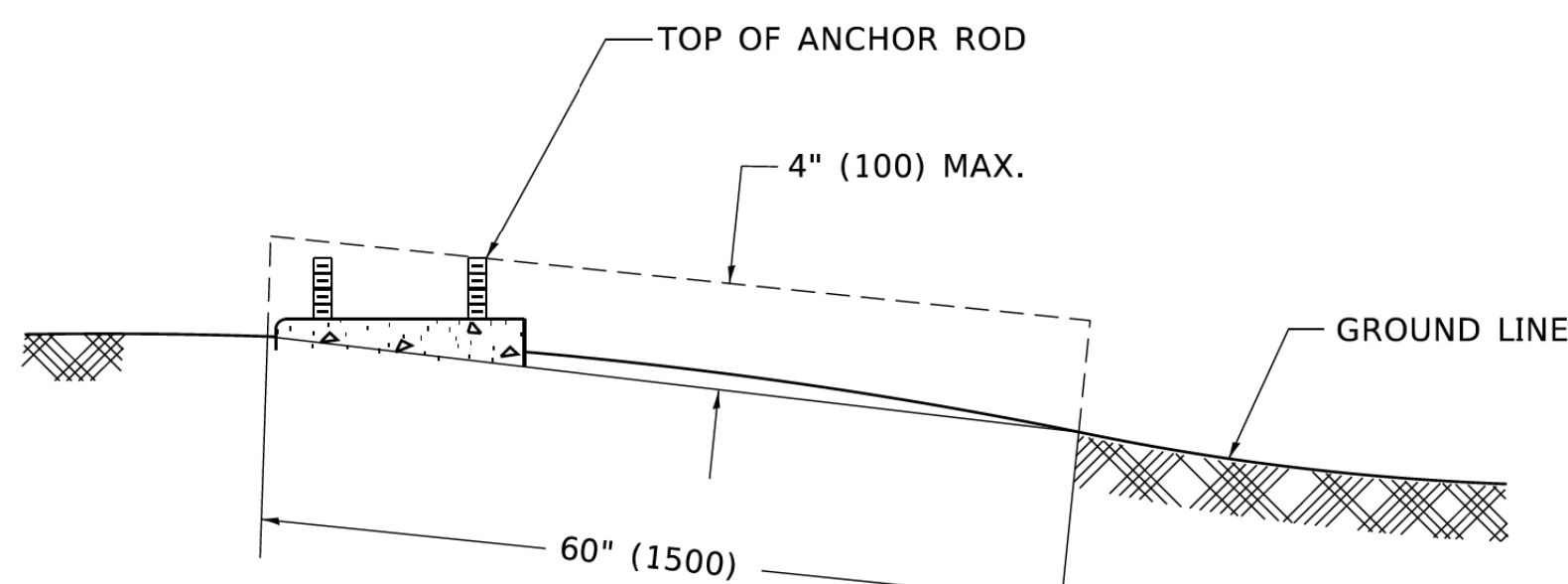
FOUNDATION DETAIL

NOTES

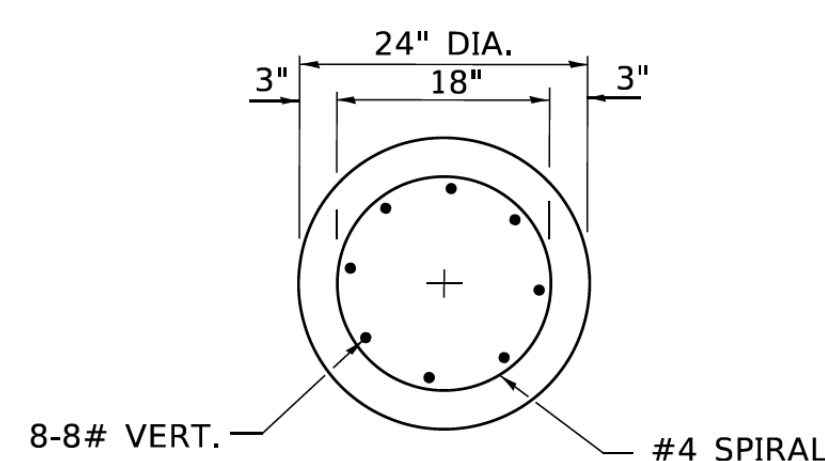
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3#4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

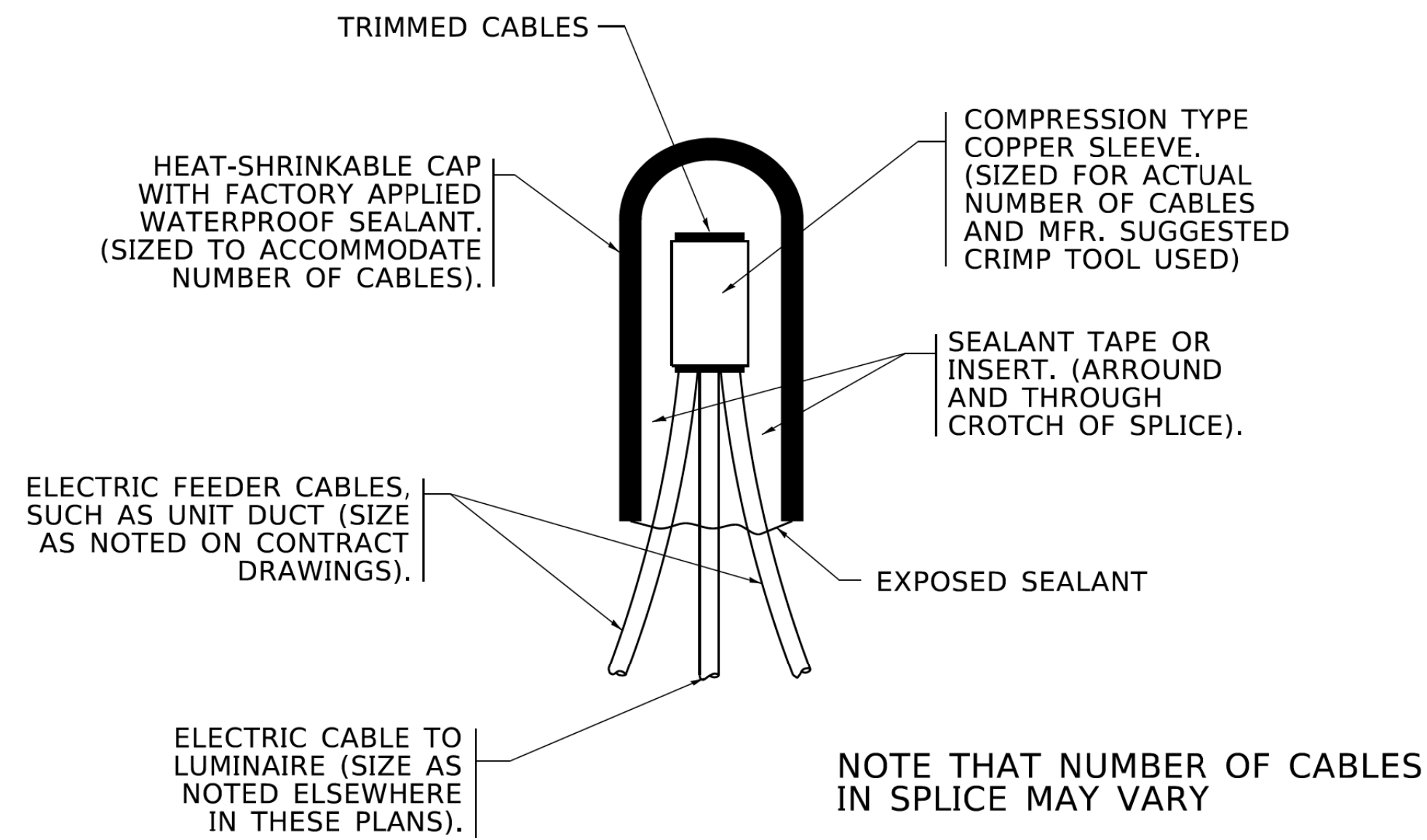
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4/19/2019 2:15:45 PM User:foote

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PLOT DATE = 4/19/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

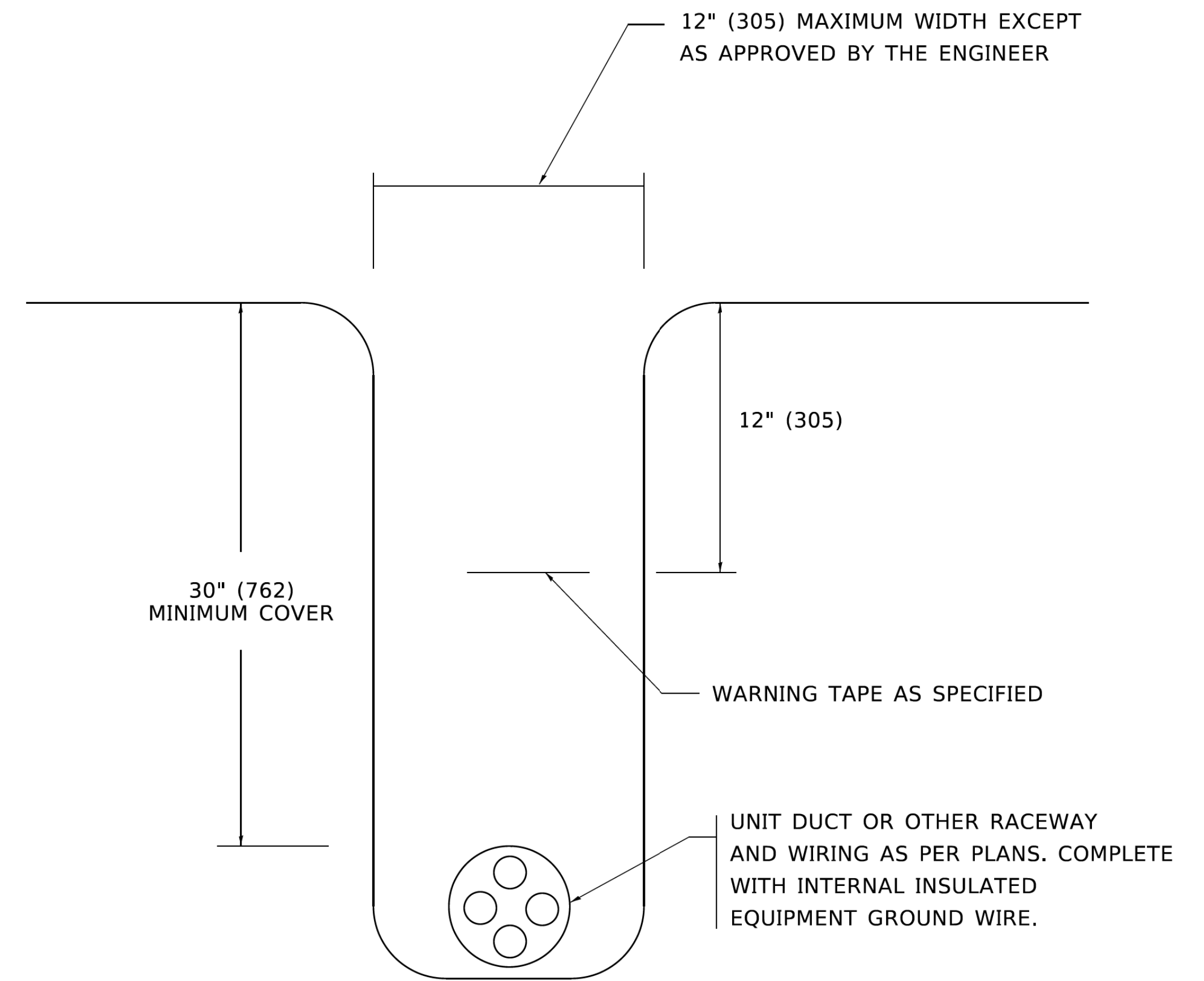
LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 106
BE-300		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

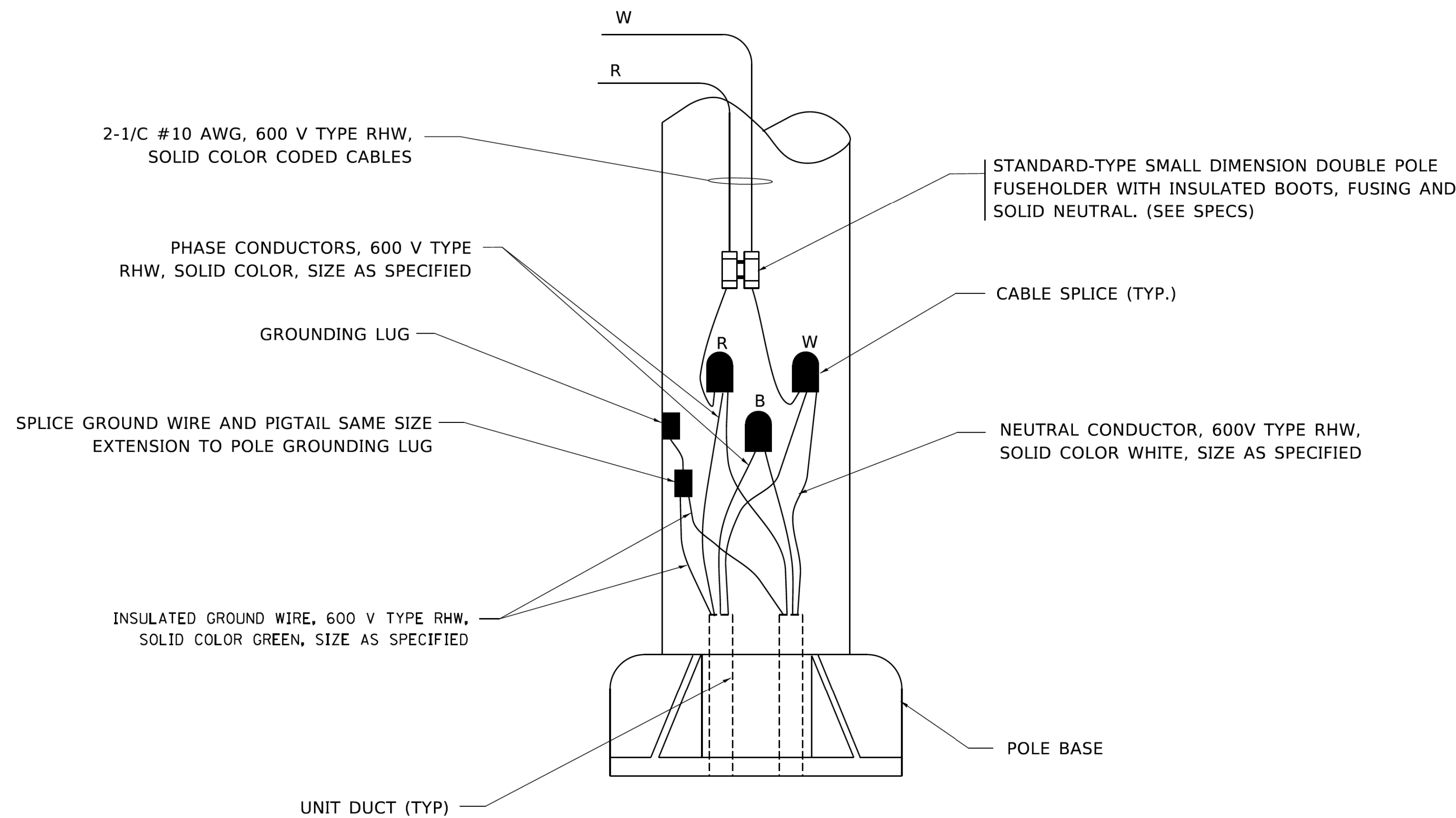


TYPICAL SPLICE DETAIL
N.T.S.

NOTE THAT NUMBER OF CABLES IN SPLICE MAY VARY



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

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PLOT DATE = 4/19/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

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

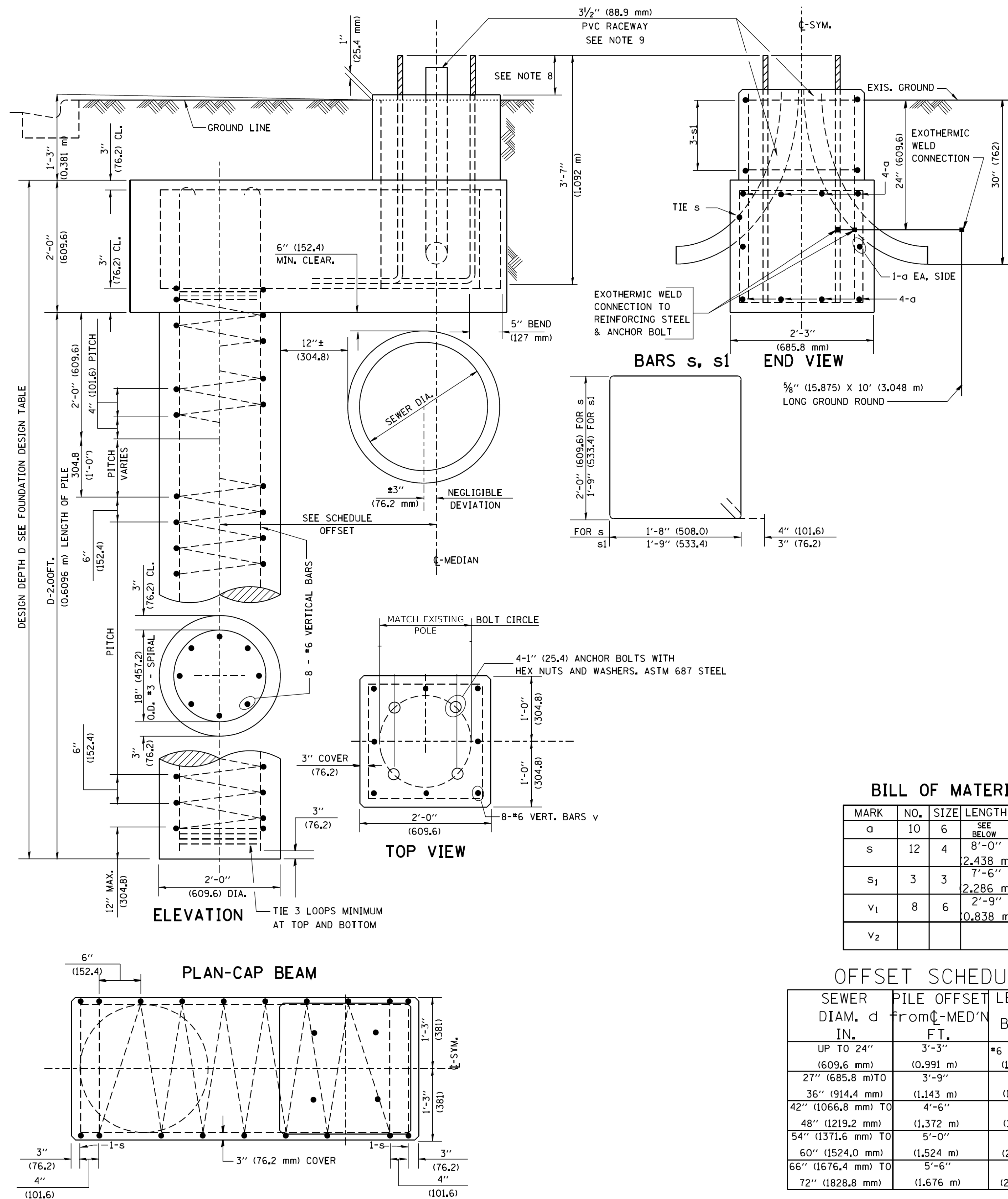
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	107
BE-702		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	*3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	*3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	*3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	*3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	*3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	*3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	*3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	*3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	*3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	*3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	*3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	*3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.

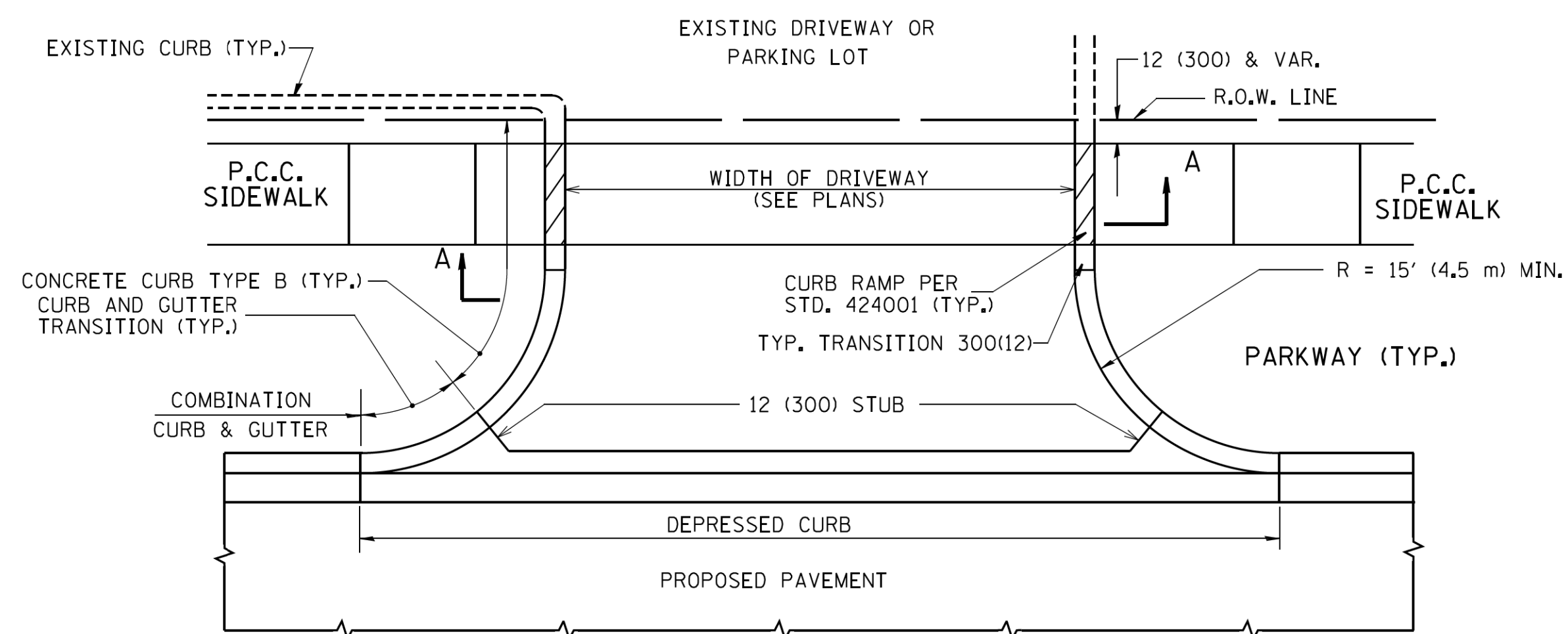


BILL OF MATERIAL

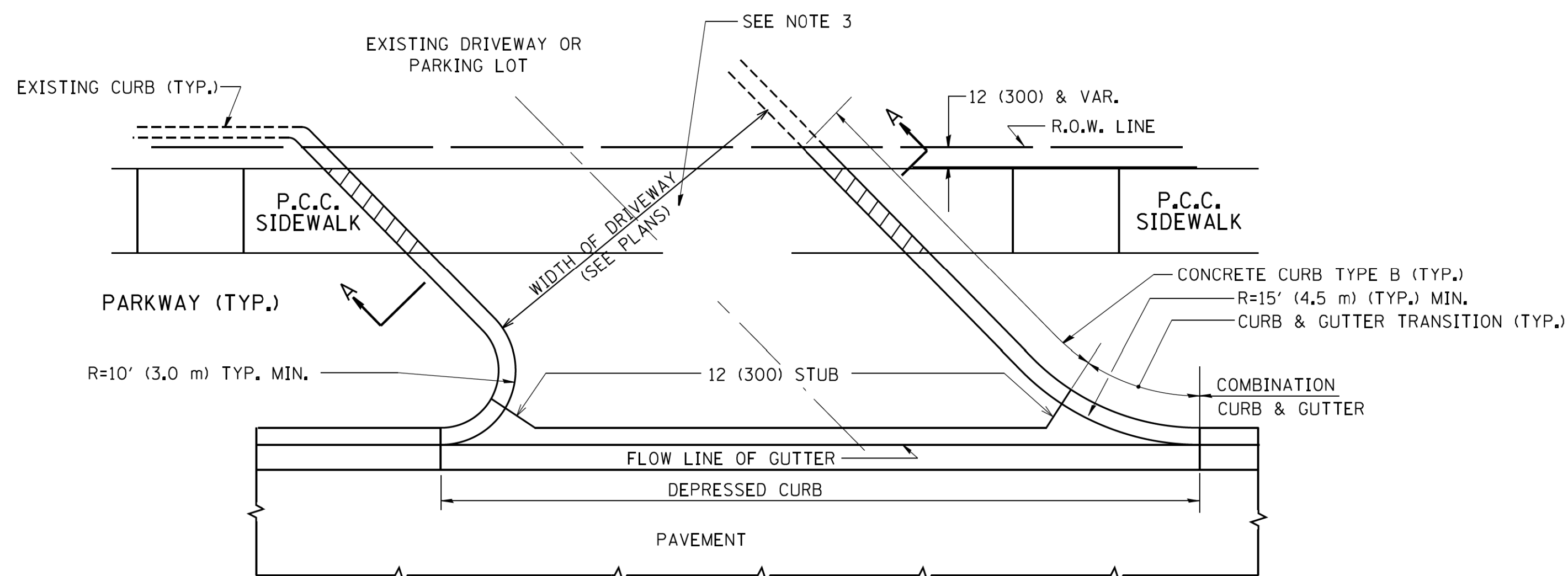
MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" 2.438 m	□
s ₁	3	3	7'-6" 2.286 m	□
v ₁	8	6	2'-9" 0.838 m	—
v ₂				

OFFSET SCHEDULE

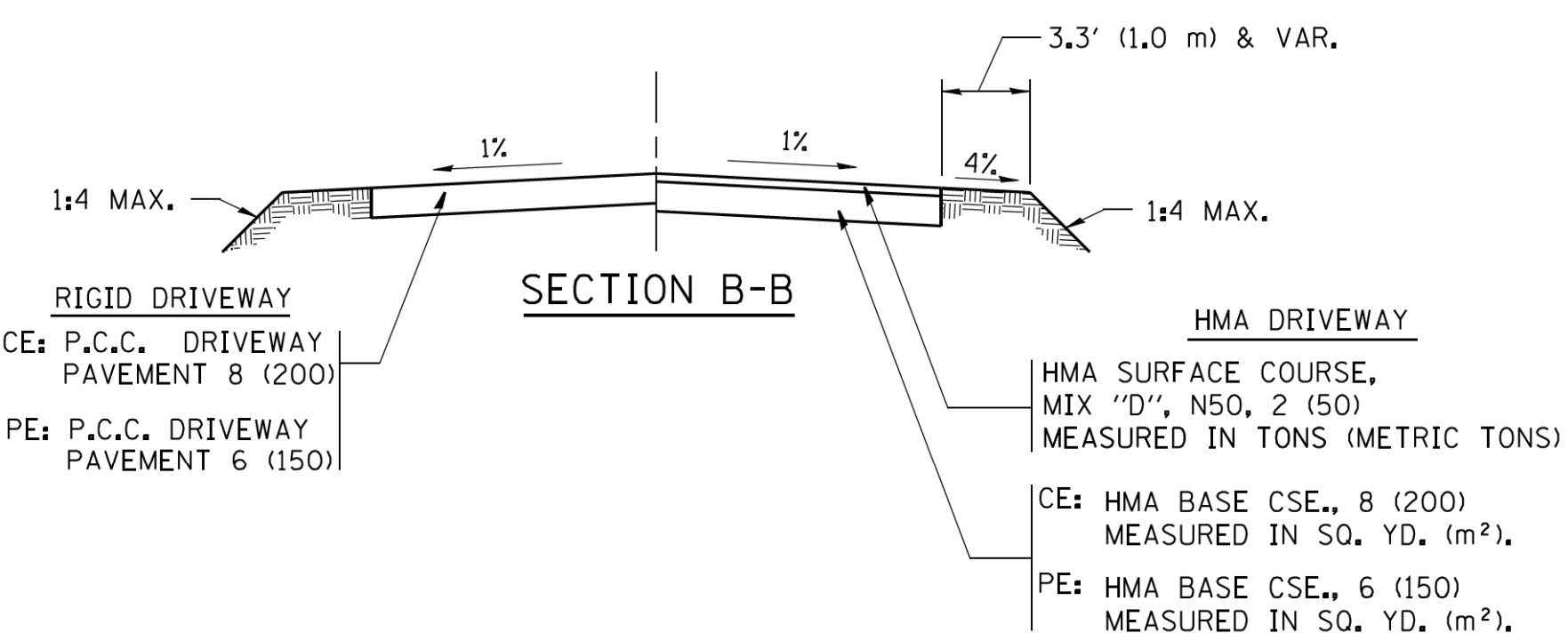
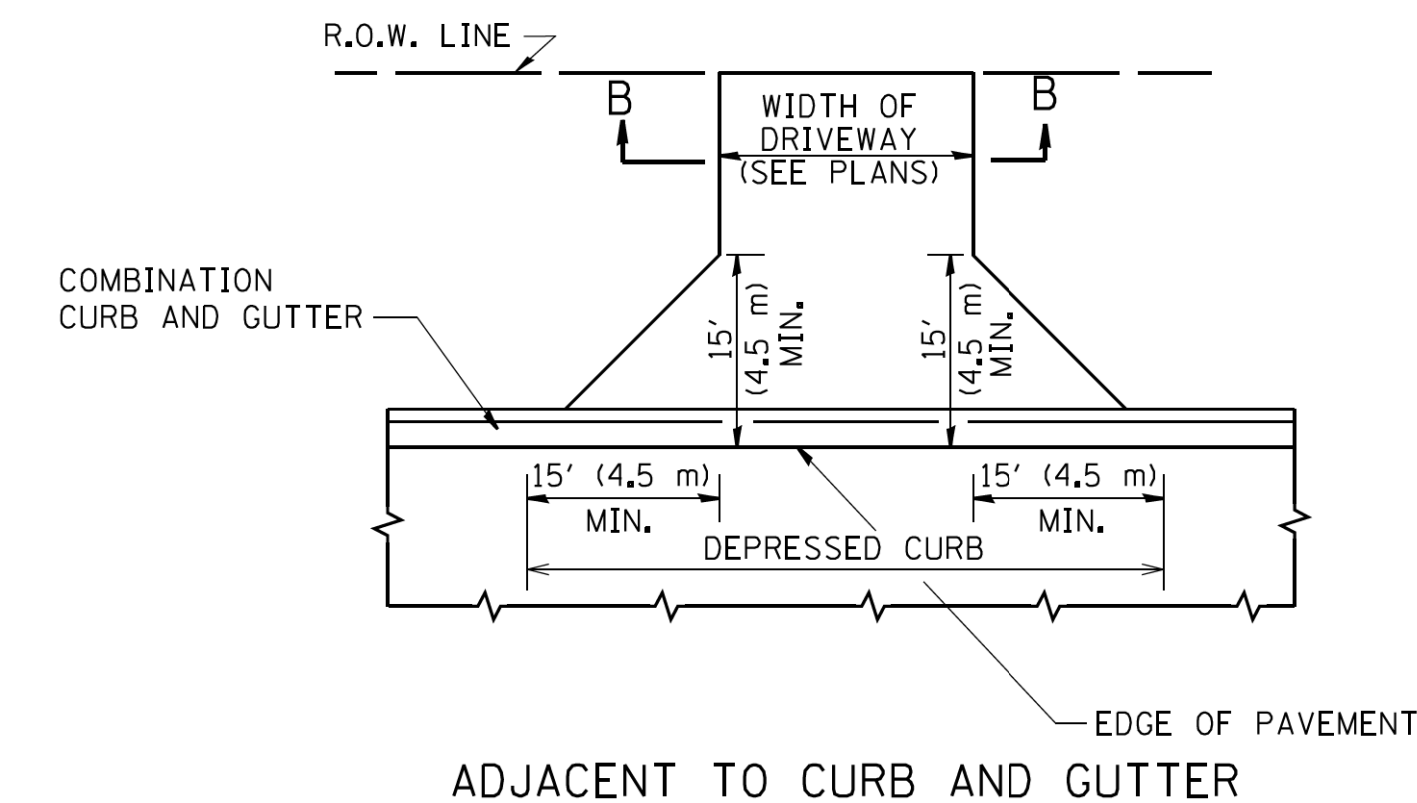
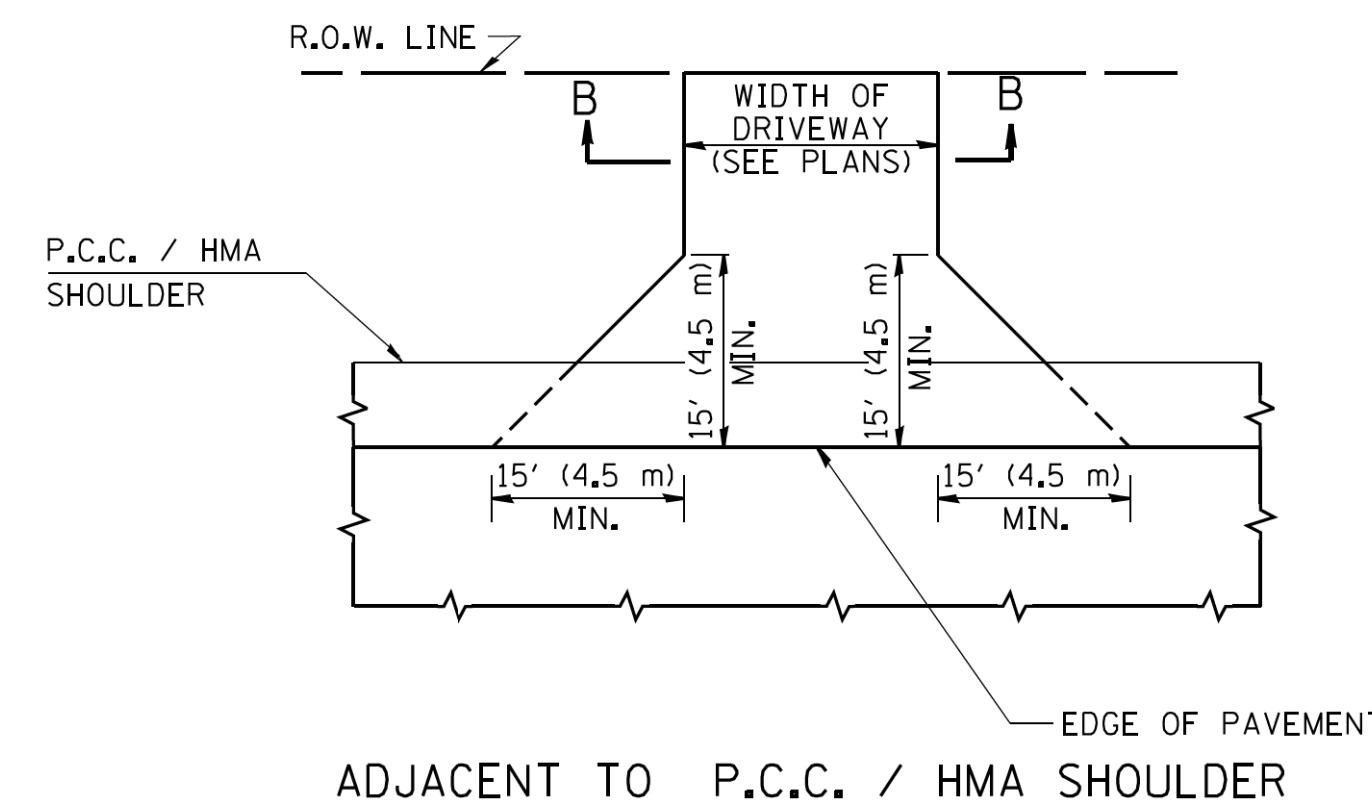
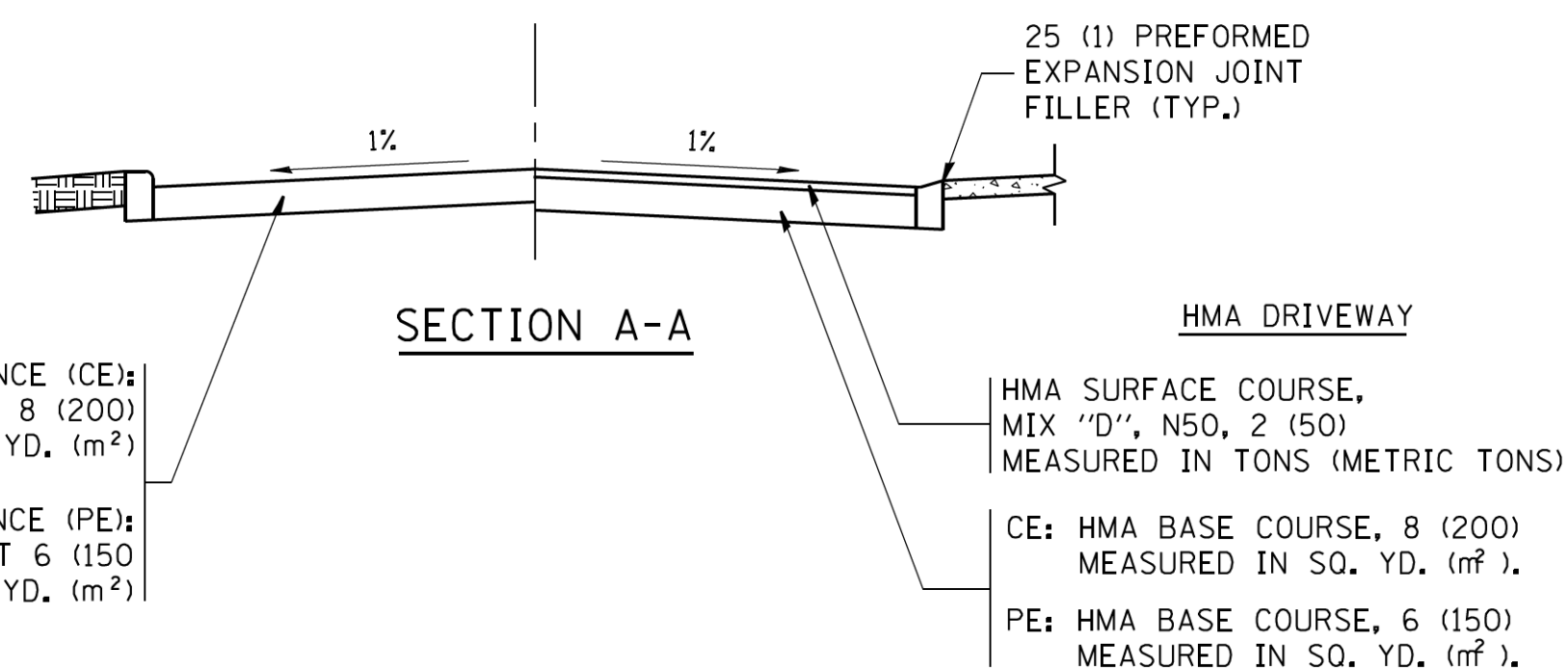
SEWER DIAM. d IN.	PILE OFFSET FROM C-MED'N FT.	LENGTH OF BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	*6 x 5'-3" (1.600 m)
27" (685.8 mm) TO	3'-9" (1.143 m)	5'-9" (1.753 m)
36" (914.4 mm)	(1.143 m)	(1.753 m)
42" (1066.8 mm) TO	4'-6" (1.372 m)	6'-6" (1.981 m)
48" (1219.2 mm)	(1.372 m)	(1.981 m)
54" (1371.6 mm) TO	5'-0" (1.524 m)	7'-0" (2.134 m)
60" (1524.0 mm)	(1.524 m)	(2.134 m)
66" (1676.4 mm) TO	5'-6" (1.676 m)	7'-6" (2.286 m)
72" (1828.8 mm)	(1.676 m)	(2.286 m)



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)
HMA SURFACE COURSE,
MIX 'D', N50, 2 (50)
MEASURED IN TONS (METRIC TONS)
AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

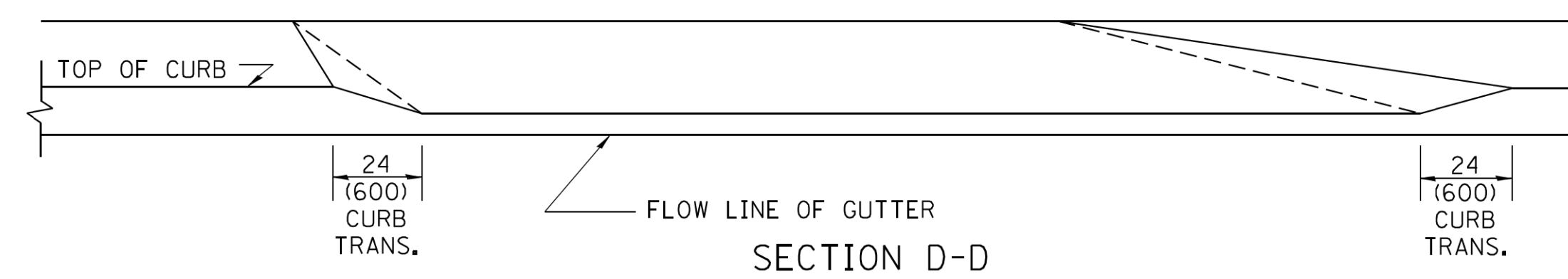
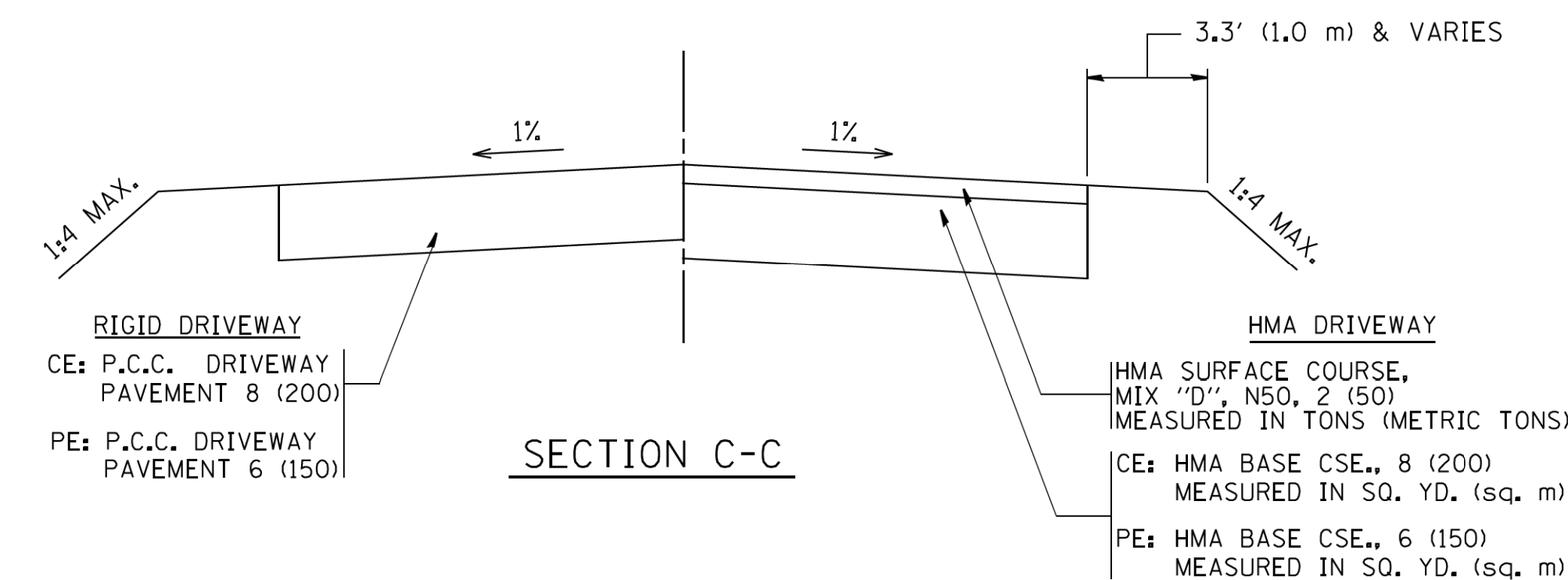
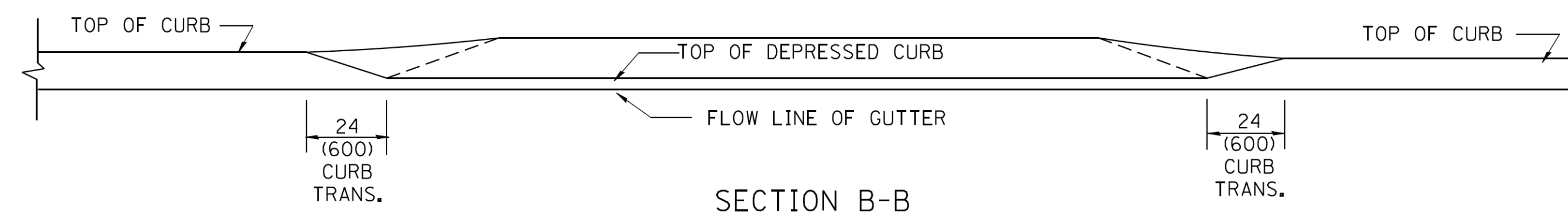
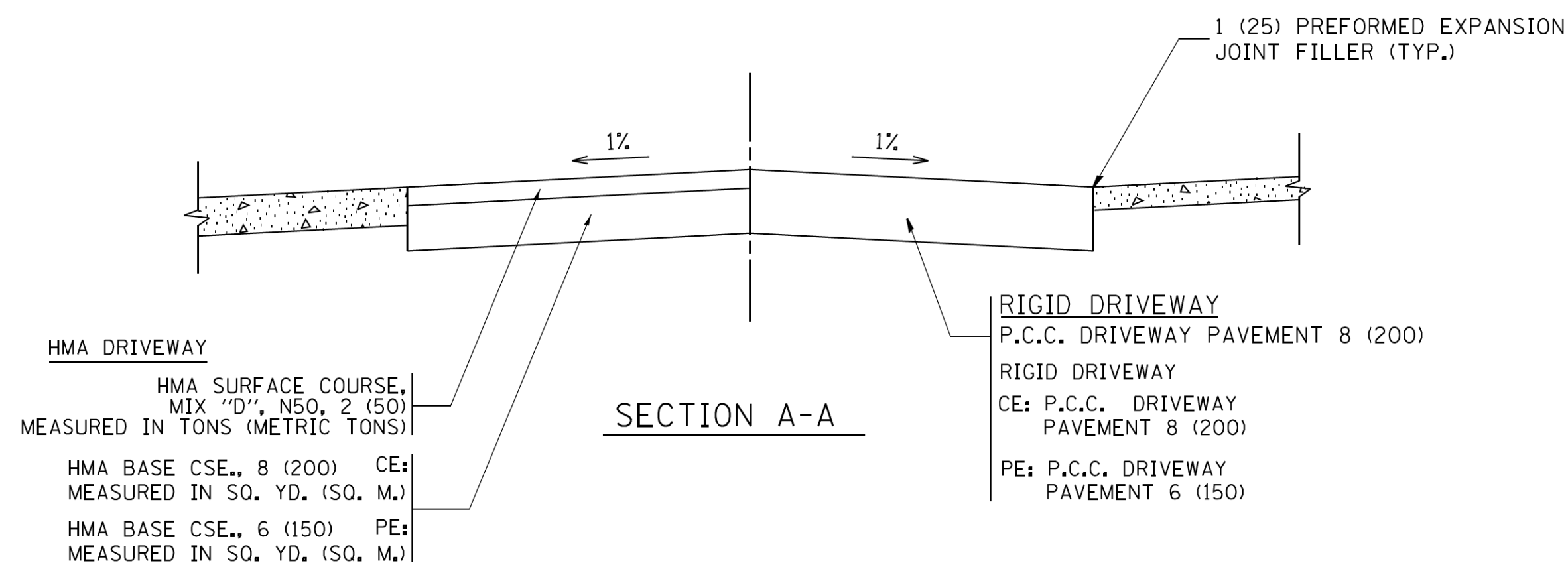
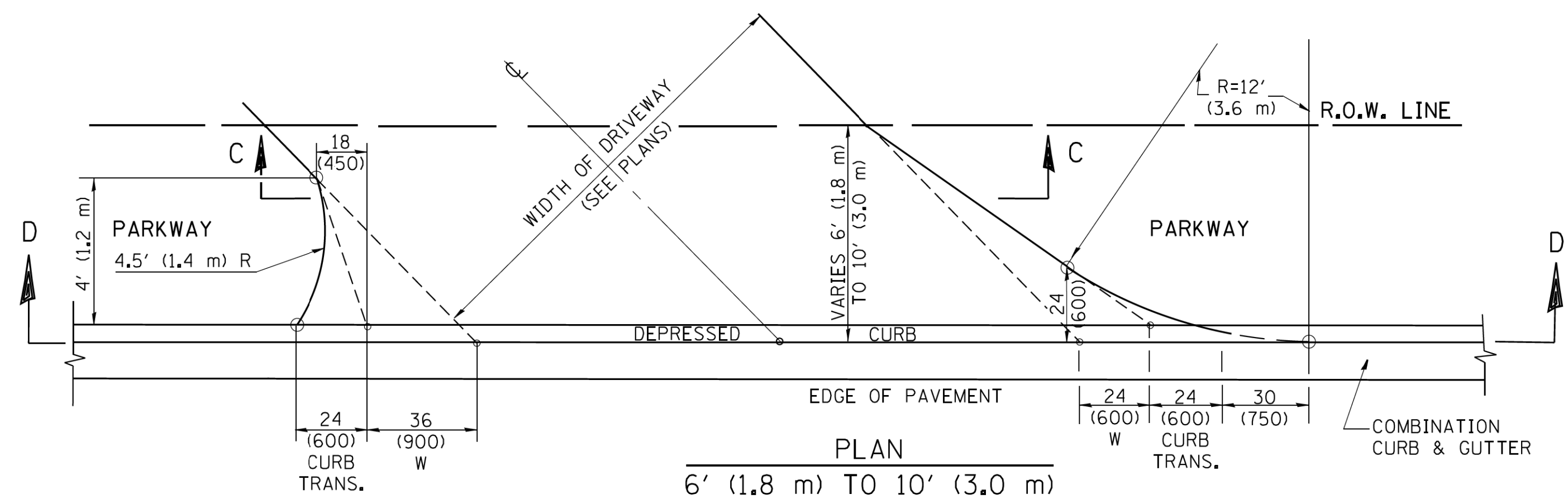
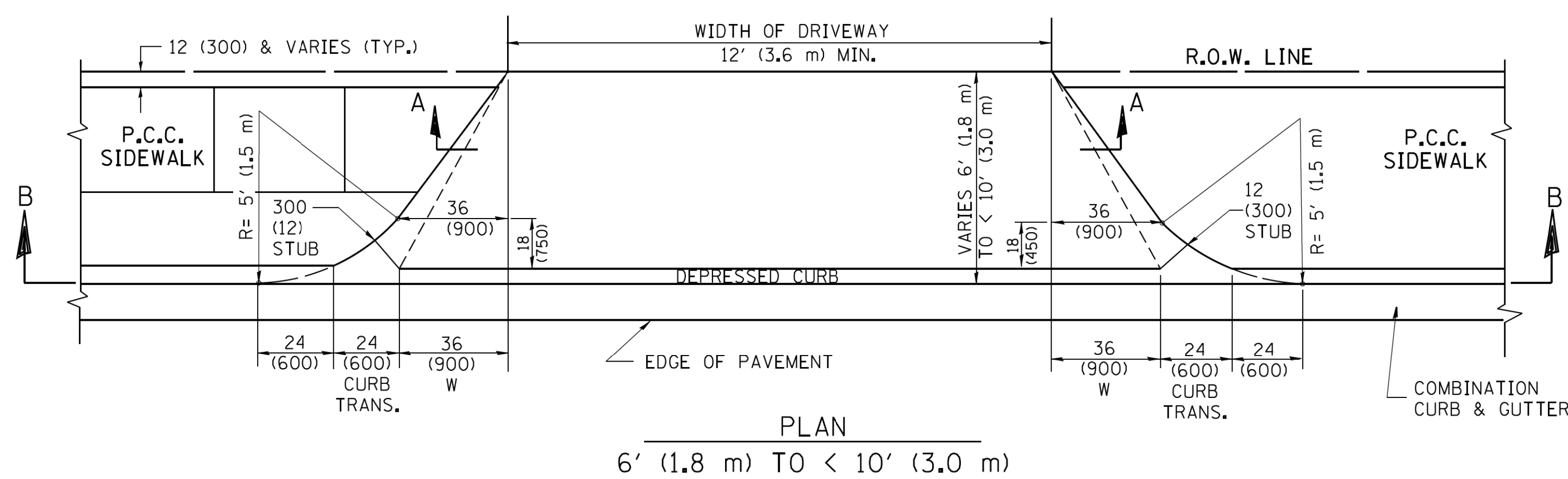
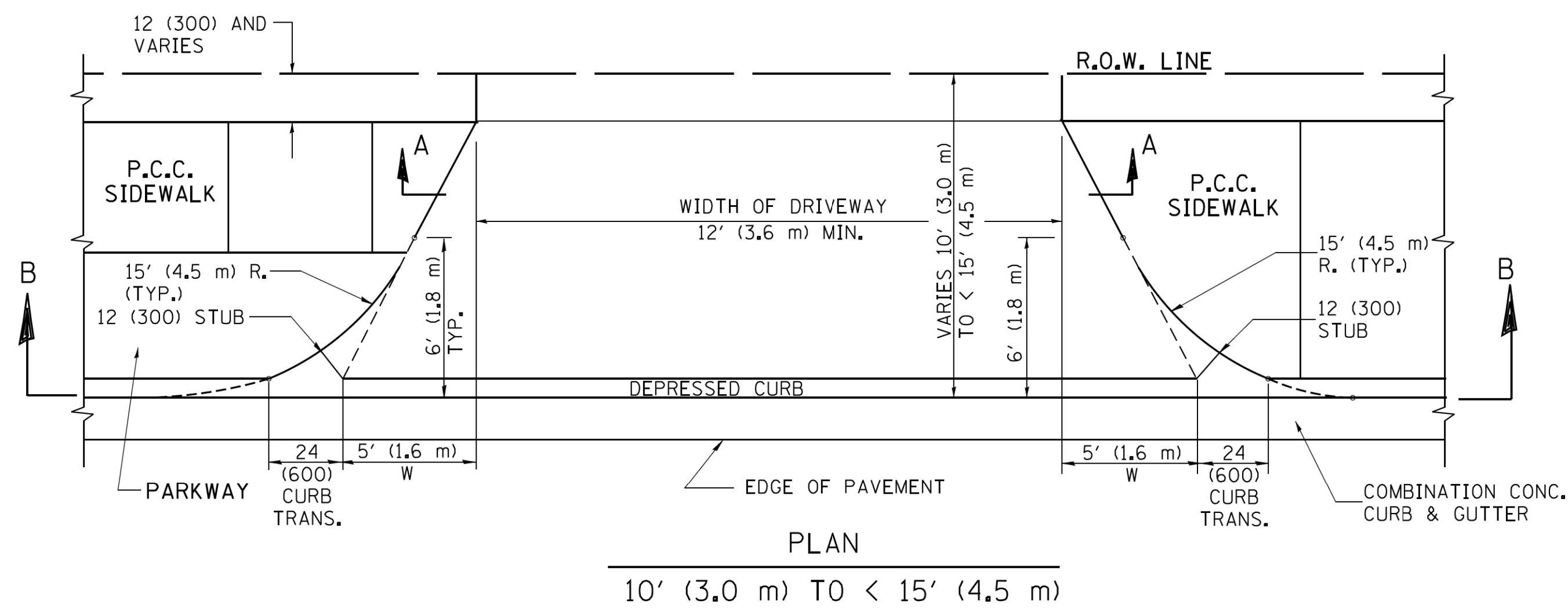
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	PLOT DATE = 9/6/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.
AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	109
BD0156-07 (BD-01)		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

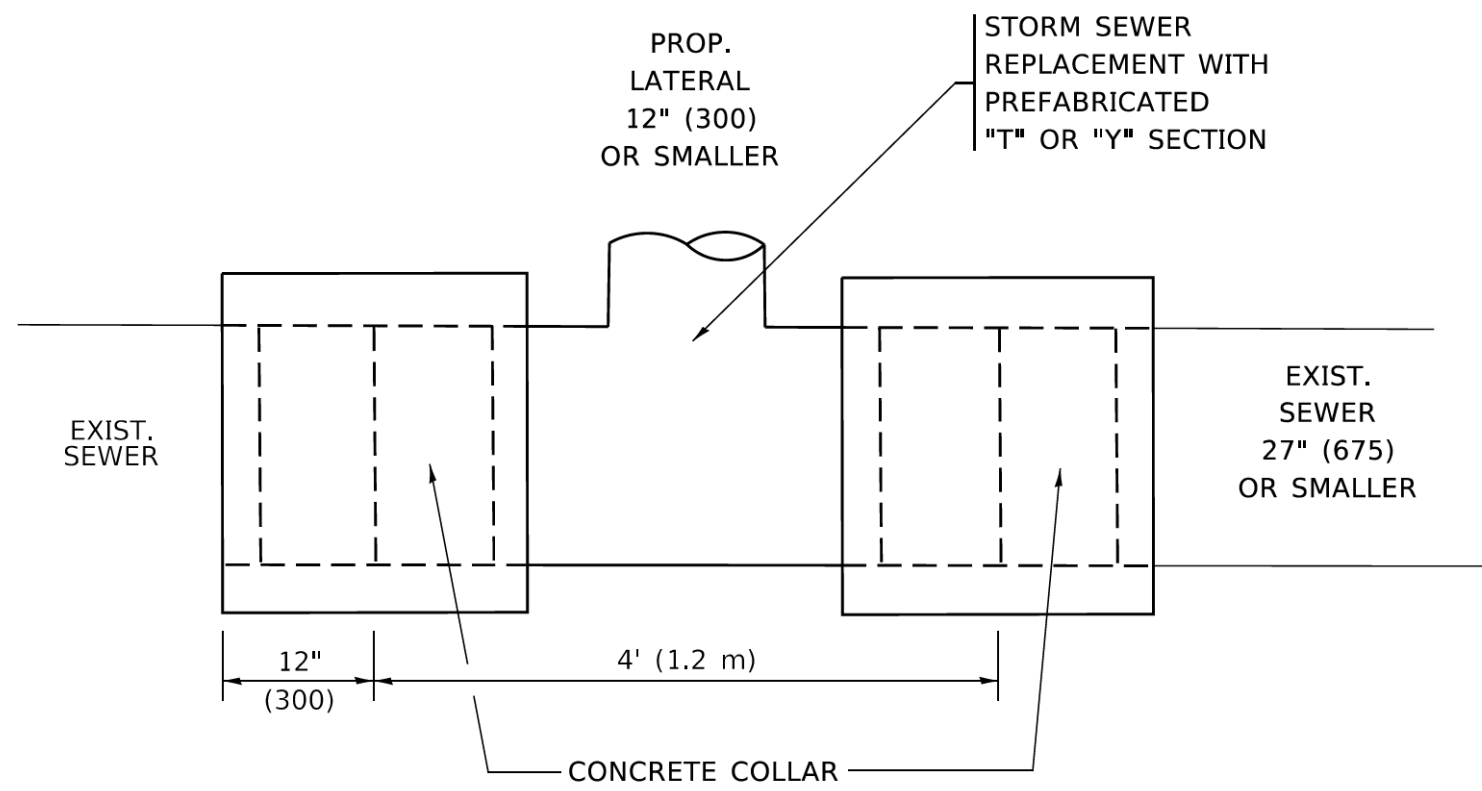
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

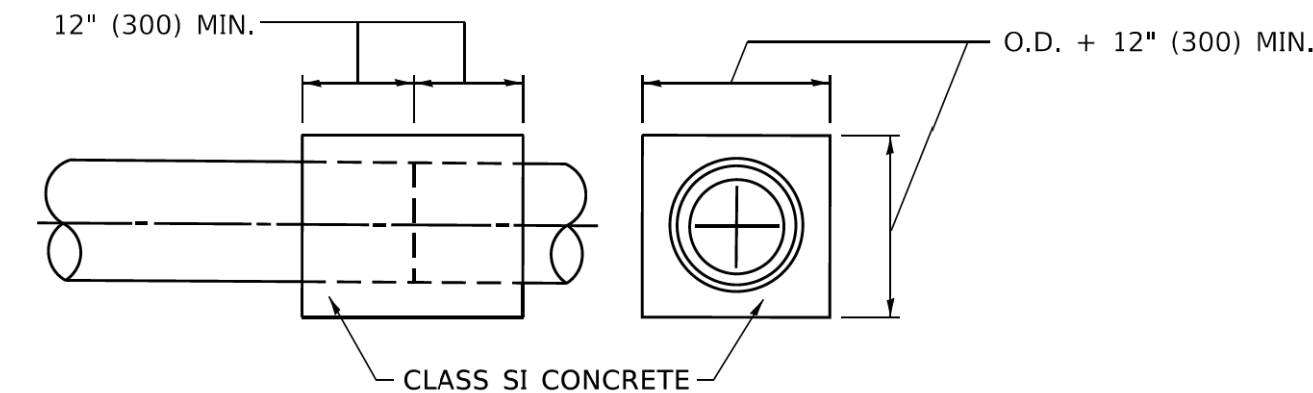
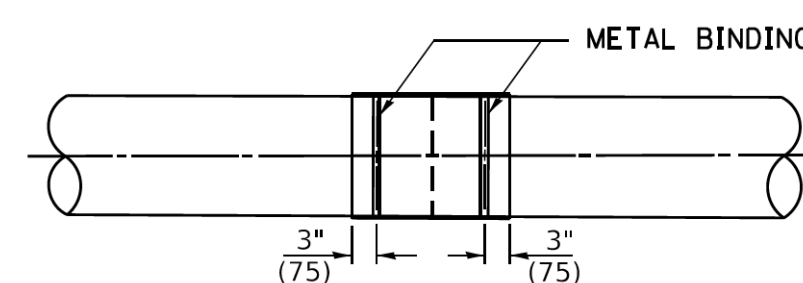
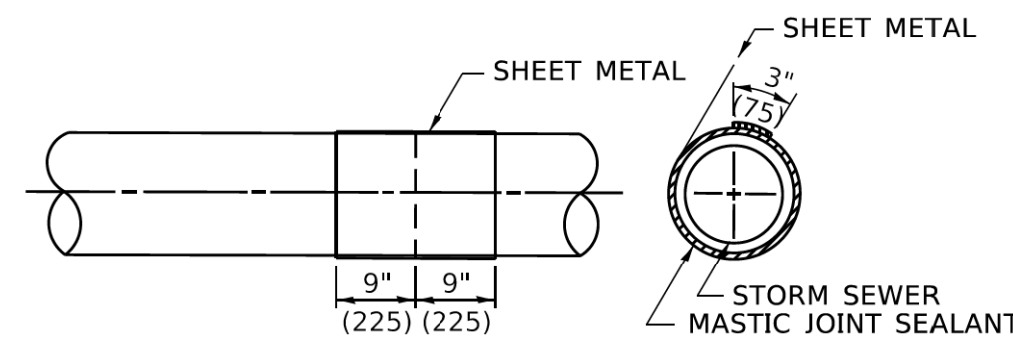
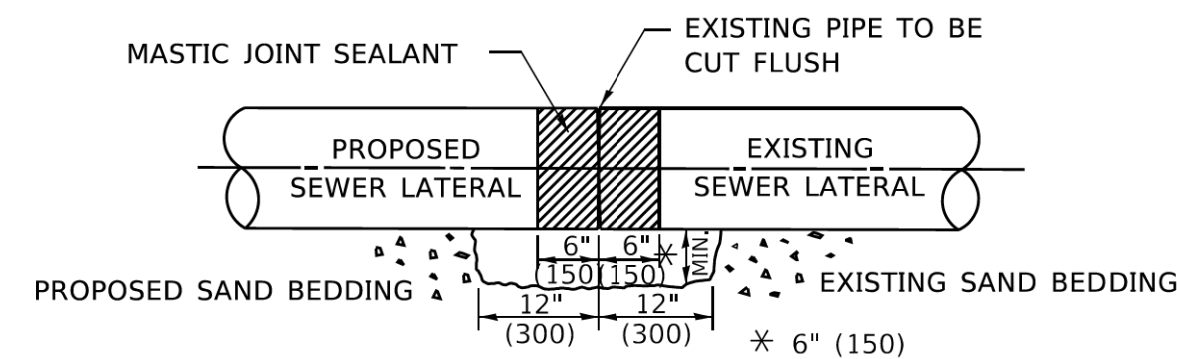
DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	110
BD400-02 (BD-02)			CONTRACT NO.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL "A"

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



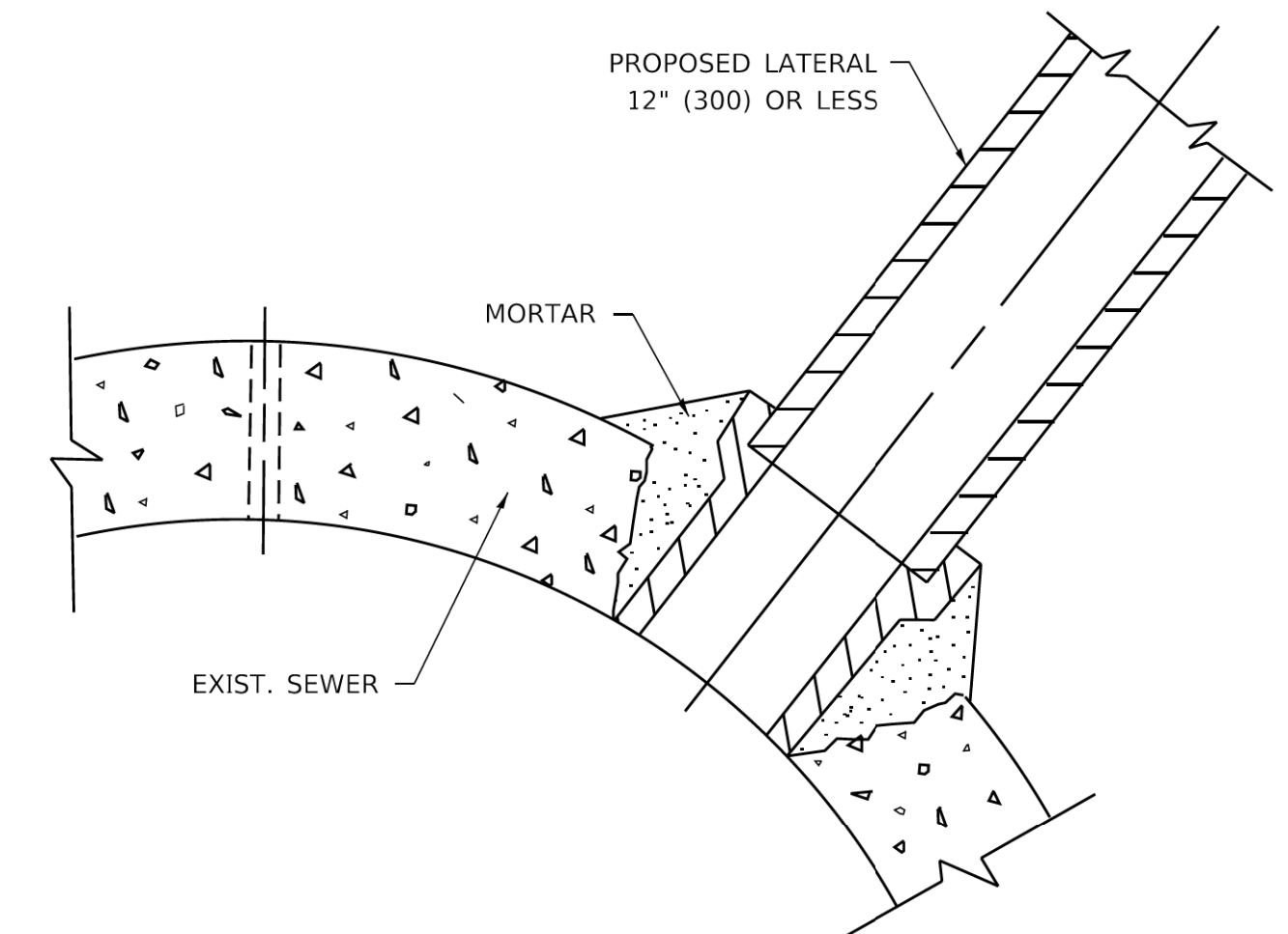
DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

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



DETAIL "C"

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

NOTES:

MATERIAL

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

CONSTRUCTION METHODS

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

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

GENERAL

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

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

BASIS OF PAYMENT

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

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

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

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

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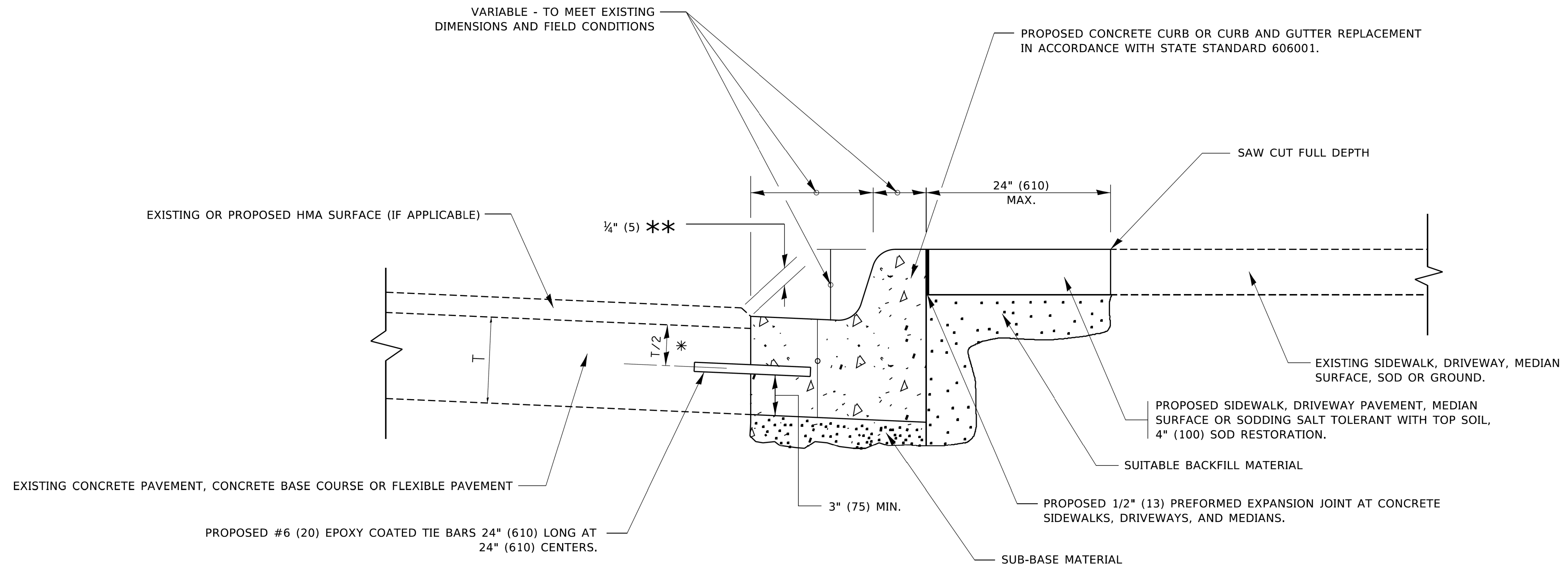
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PLOT DATE = 3/27/2019	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	111
BD500-01 (BD-7)		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

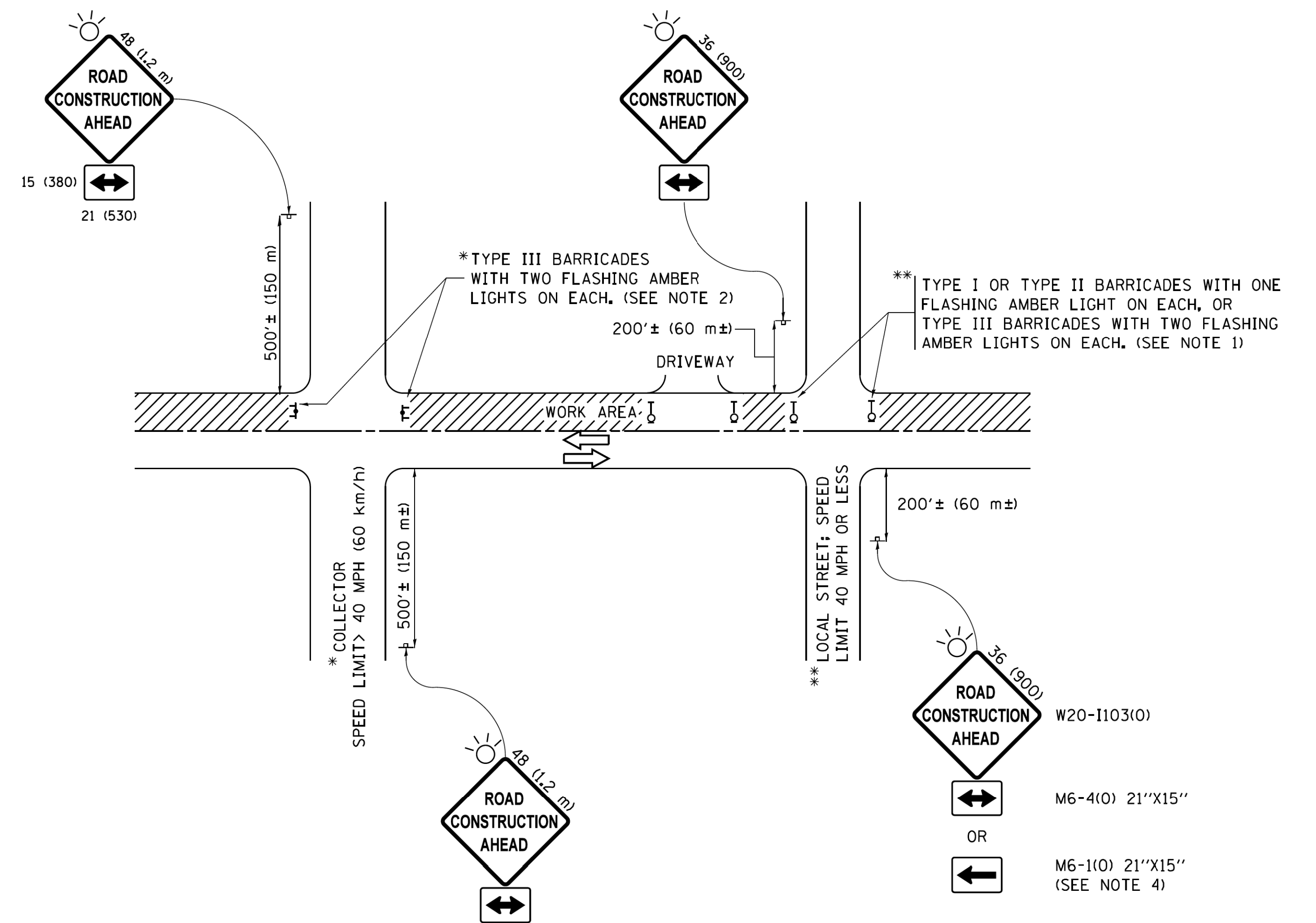
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PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	112
BD600-06 (BD-24)		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

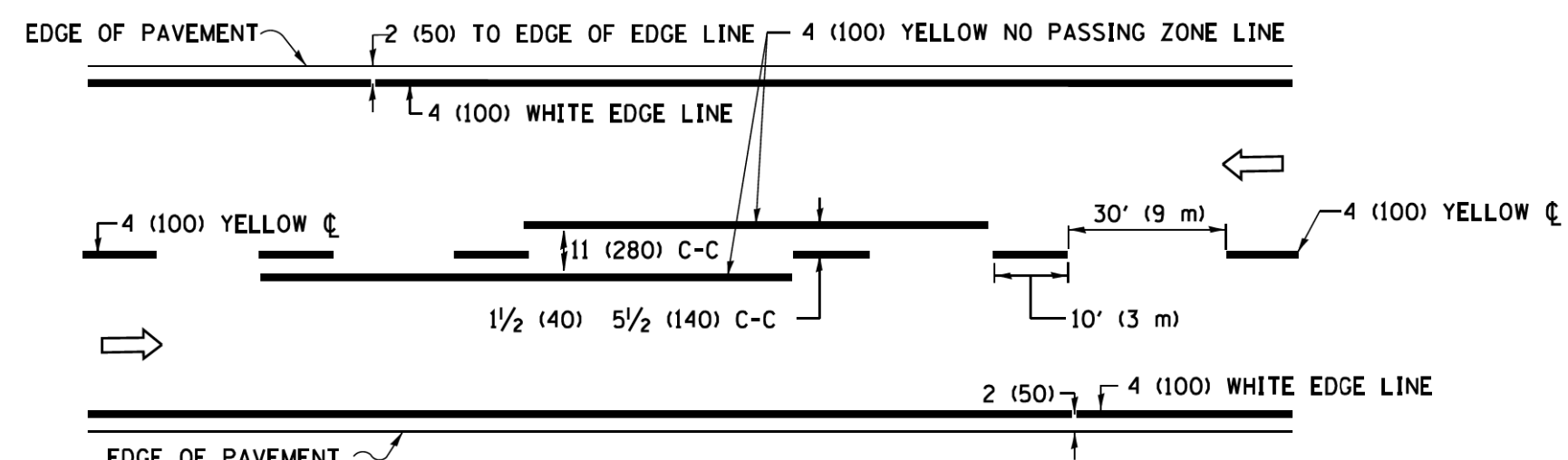
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

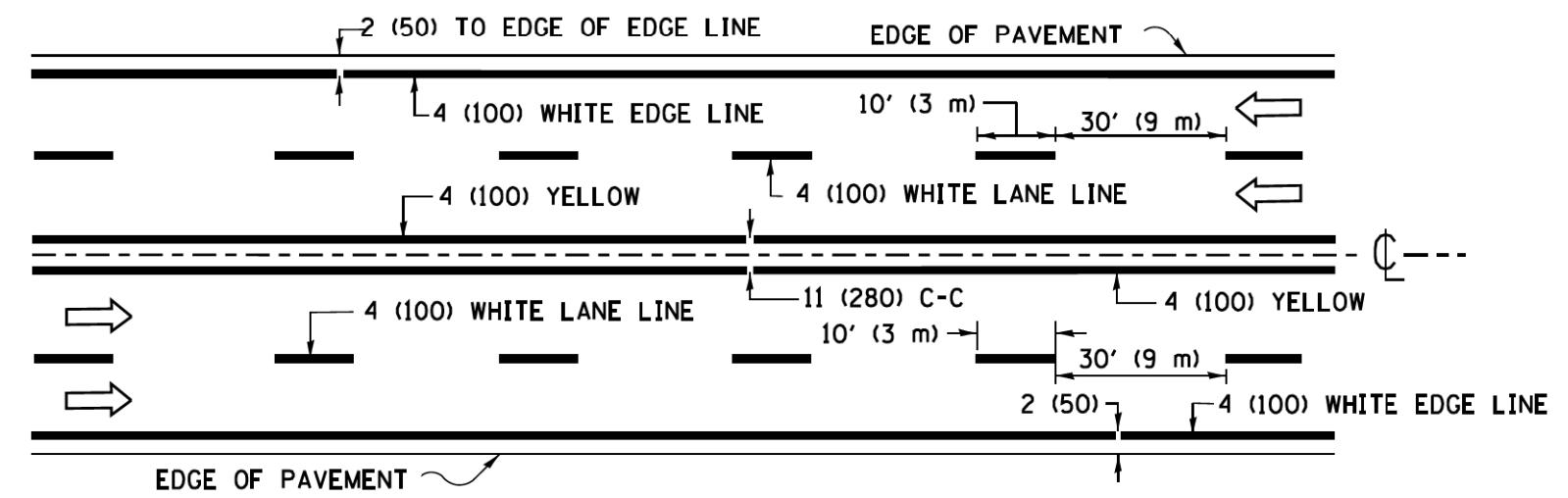
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

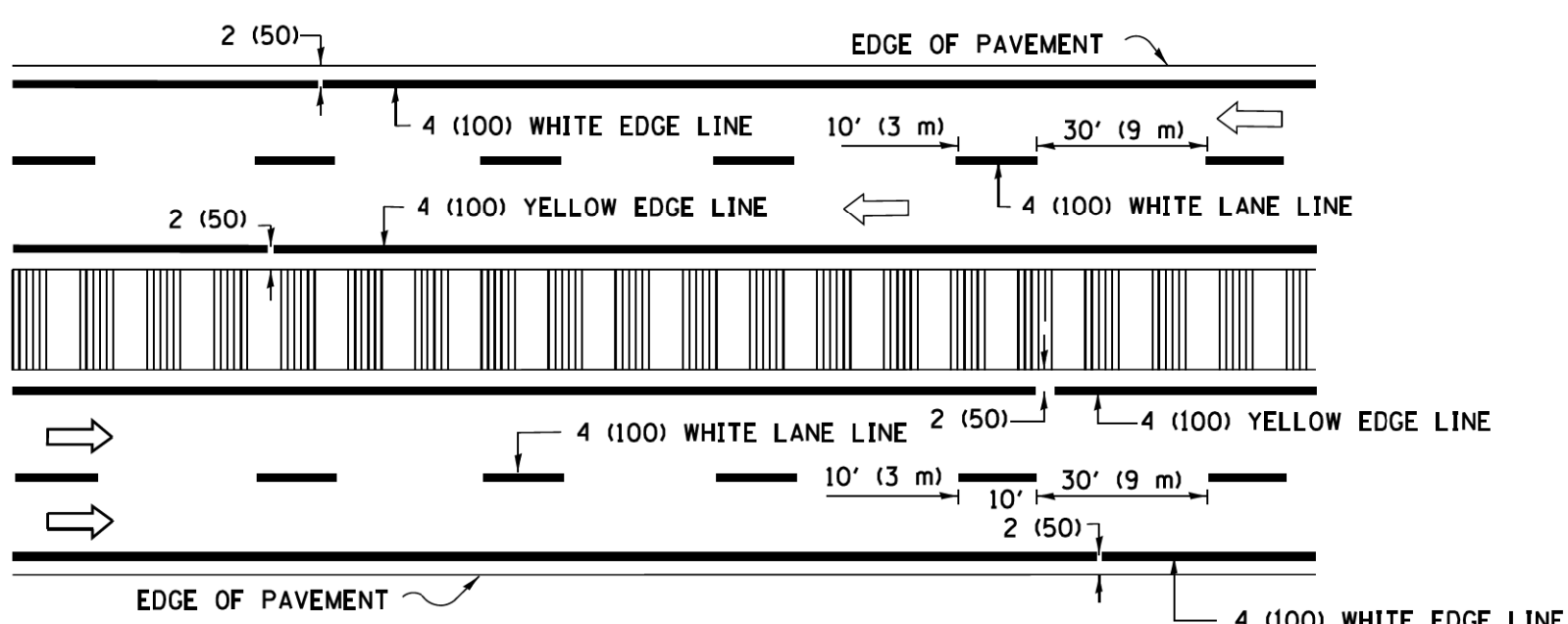
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334	14-00221-00-BT	COOK	156	113
TC-10			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

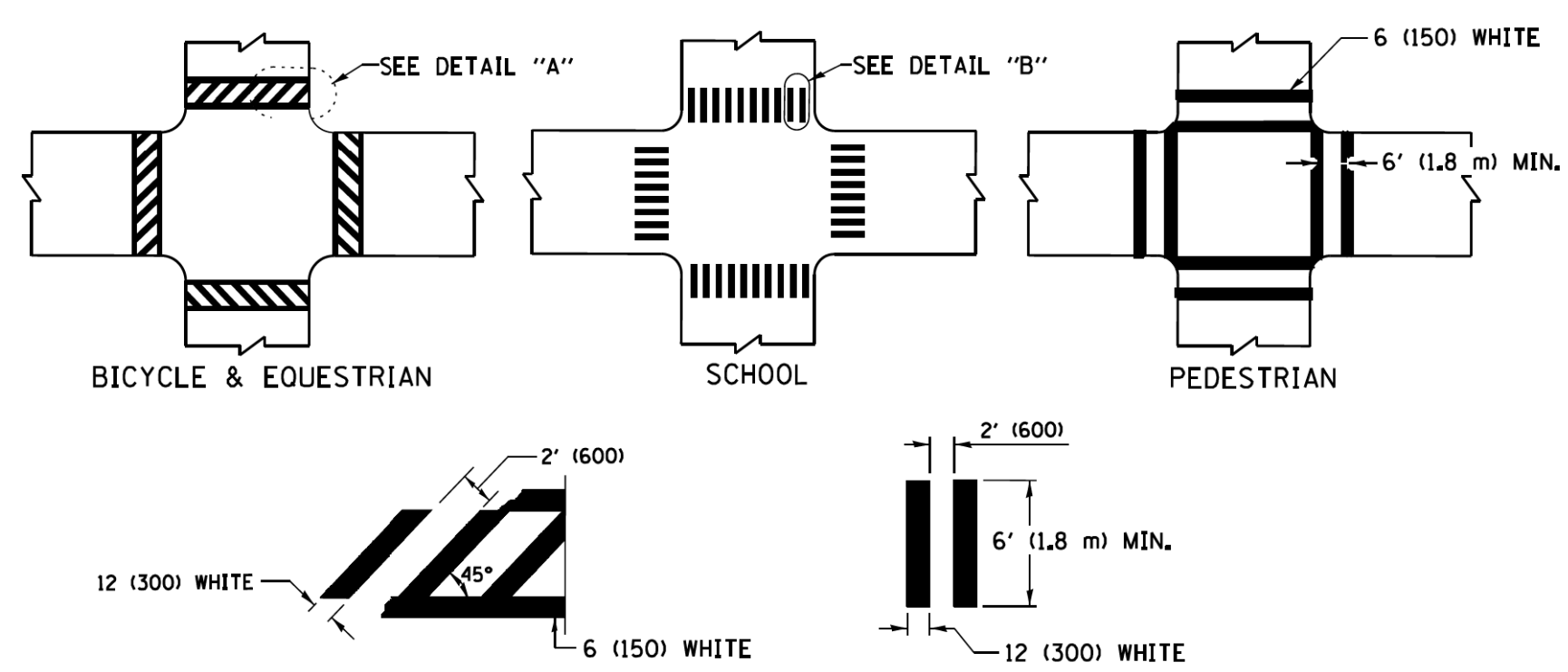


MULTI-LANE UNDIVIDED



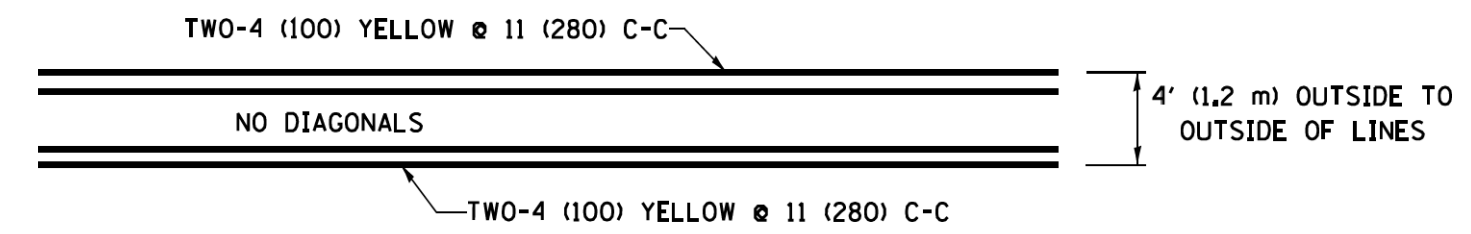
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

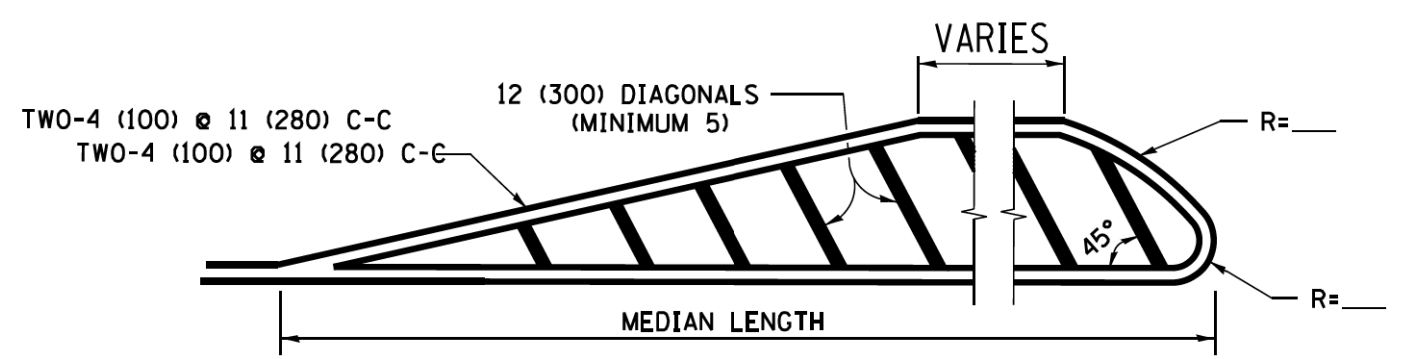


TYPICAL CROSSWALK MARKING

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

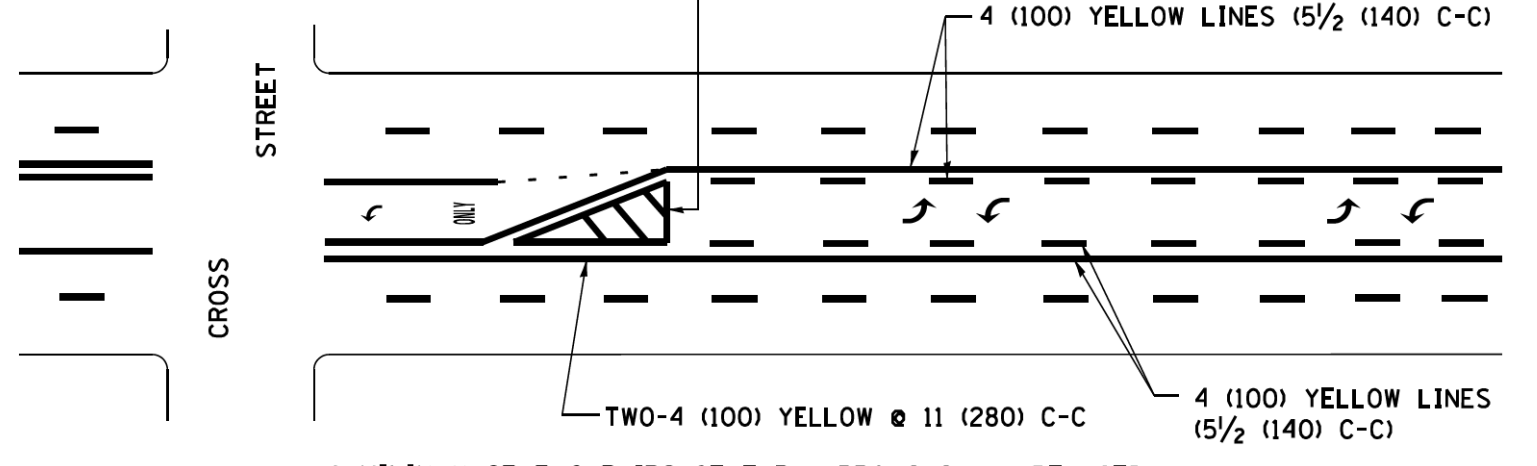


4' (1.2 m) WIDE MEDIANS ONLY



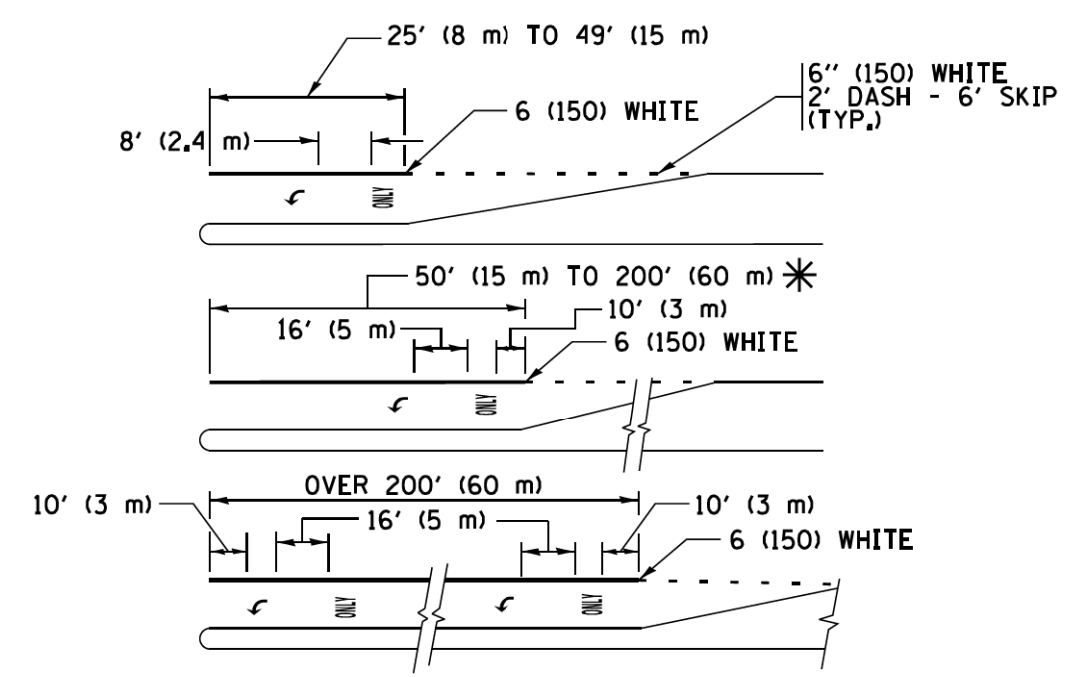
MEDIANS OVER 4' (1.2 m) WIDE

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



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

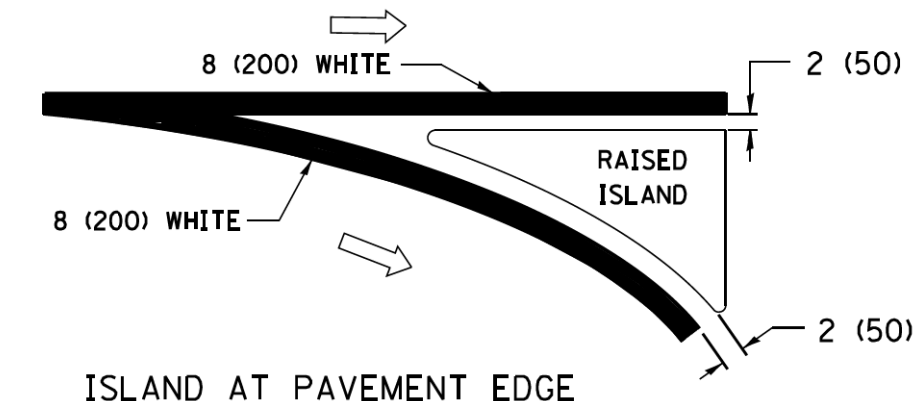
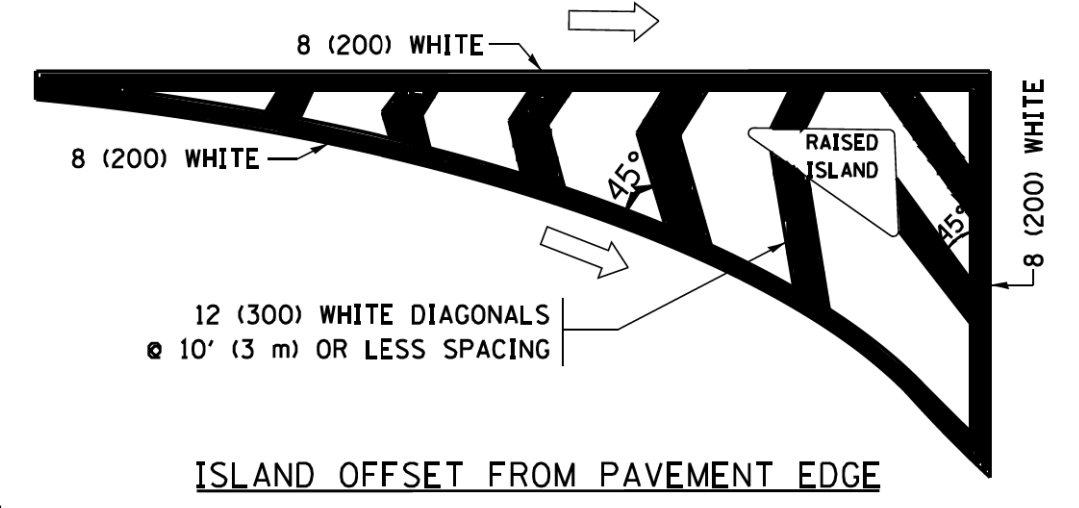
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



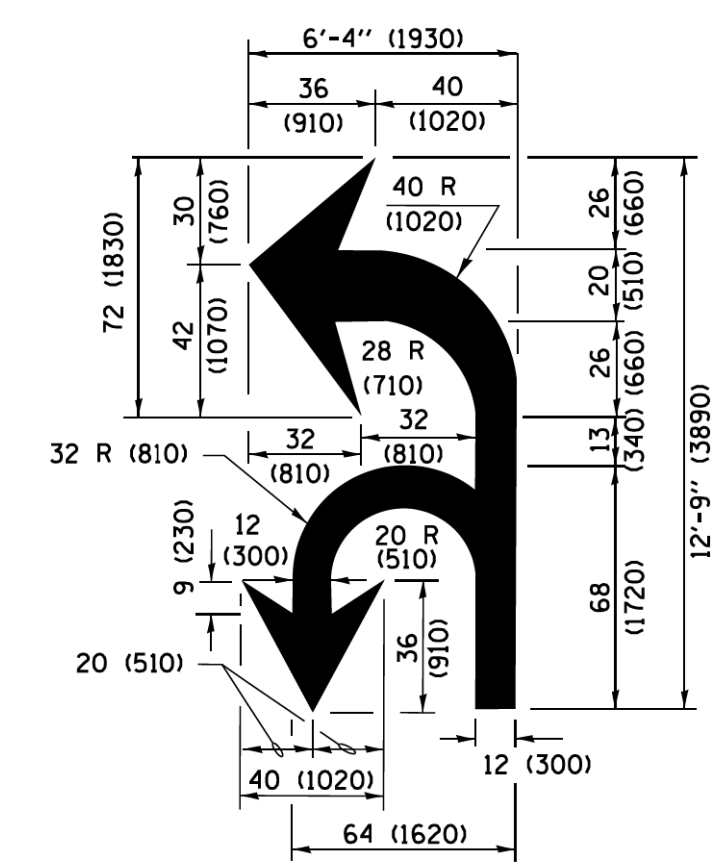
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

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

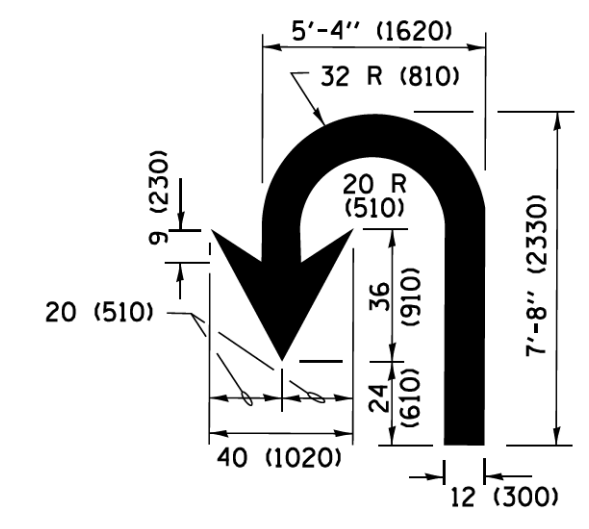
TYPICAL LEFT (OR RIGHT) TURN LANE
TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

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

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

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

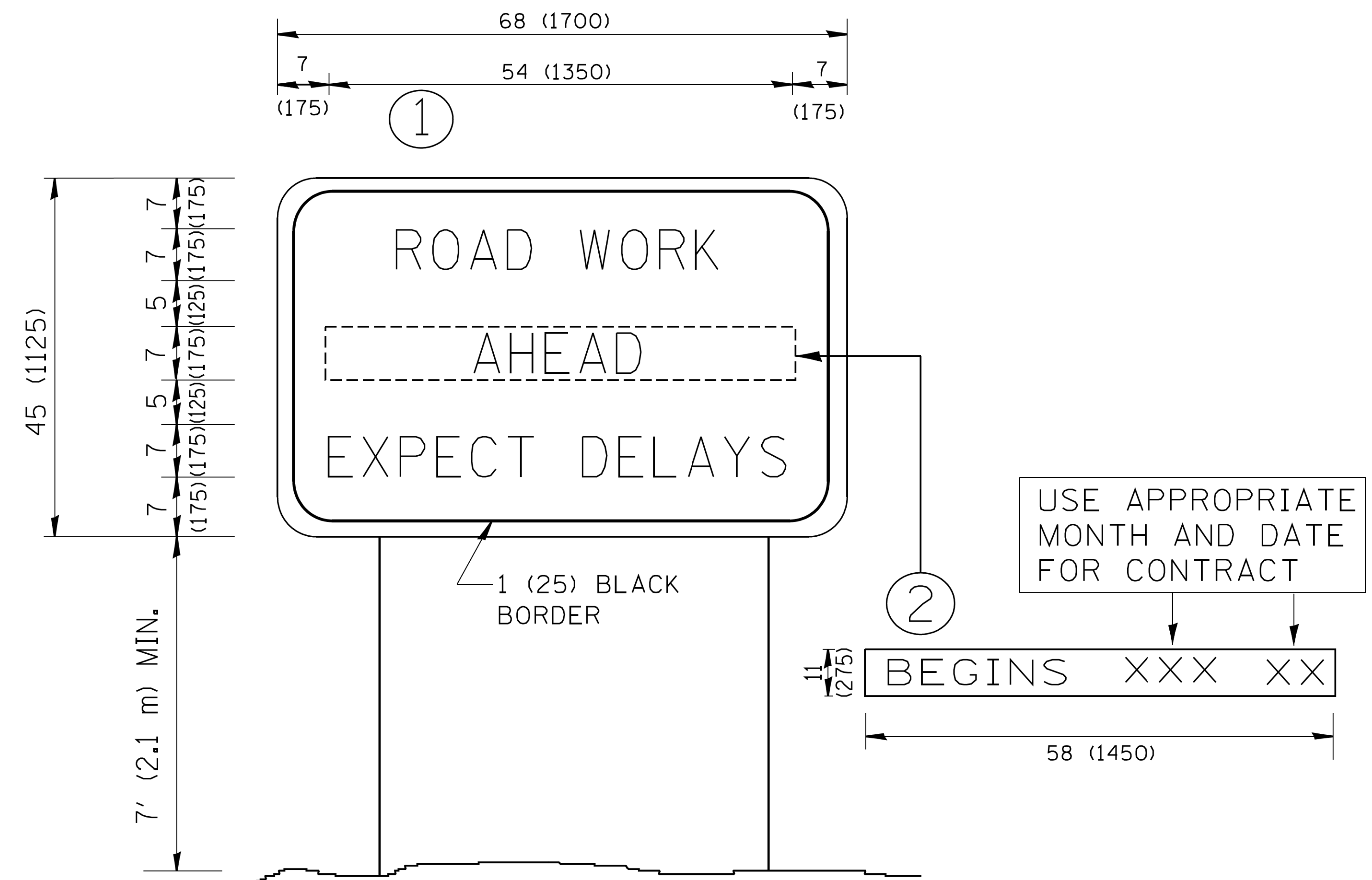
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		CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	114
TC-13		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

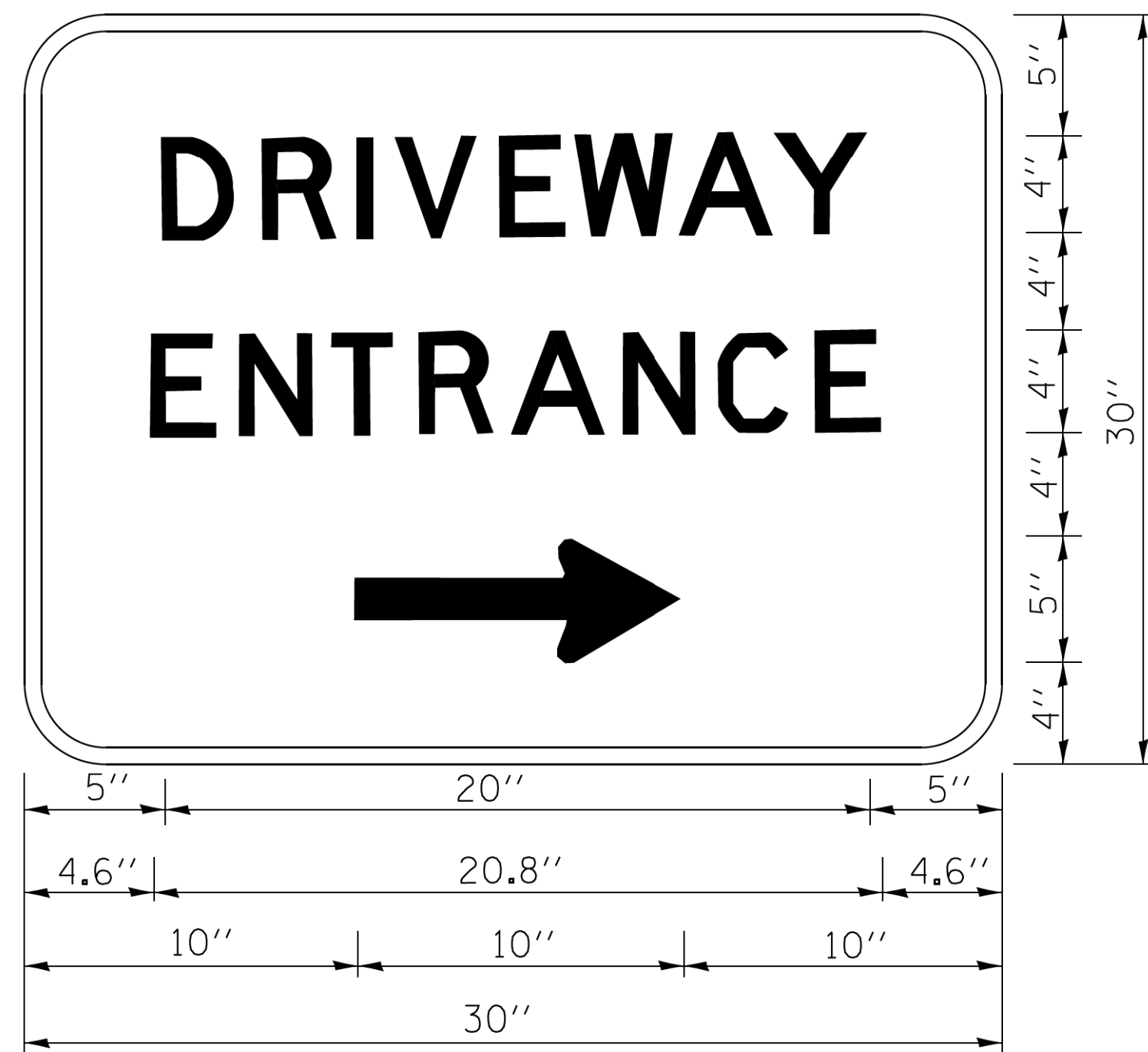
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		REVISOR - CHECKED -	REVISOR - CHECKED -
		DATE -	DATE -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	115
TC-22			CONTRACT NO.	
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
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	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

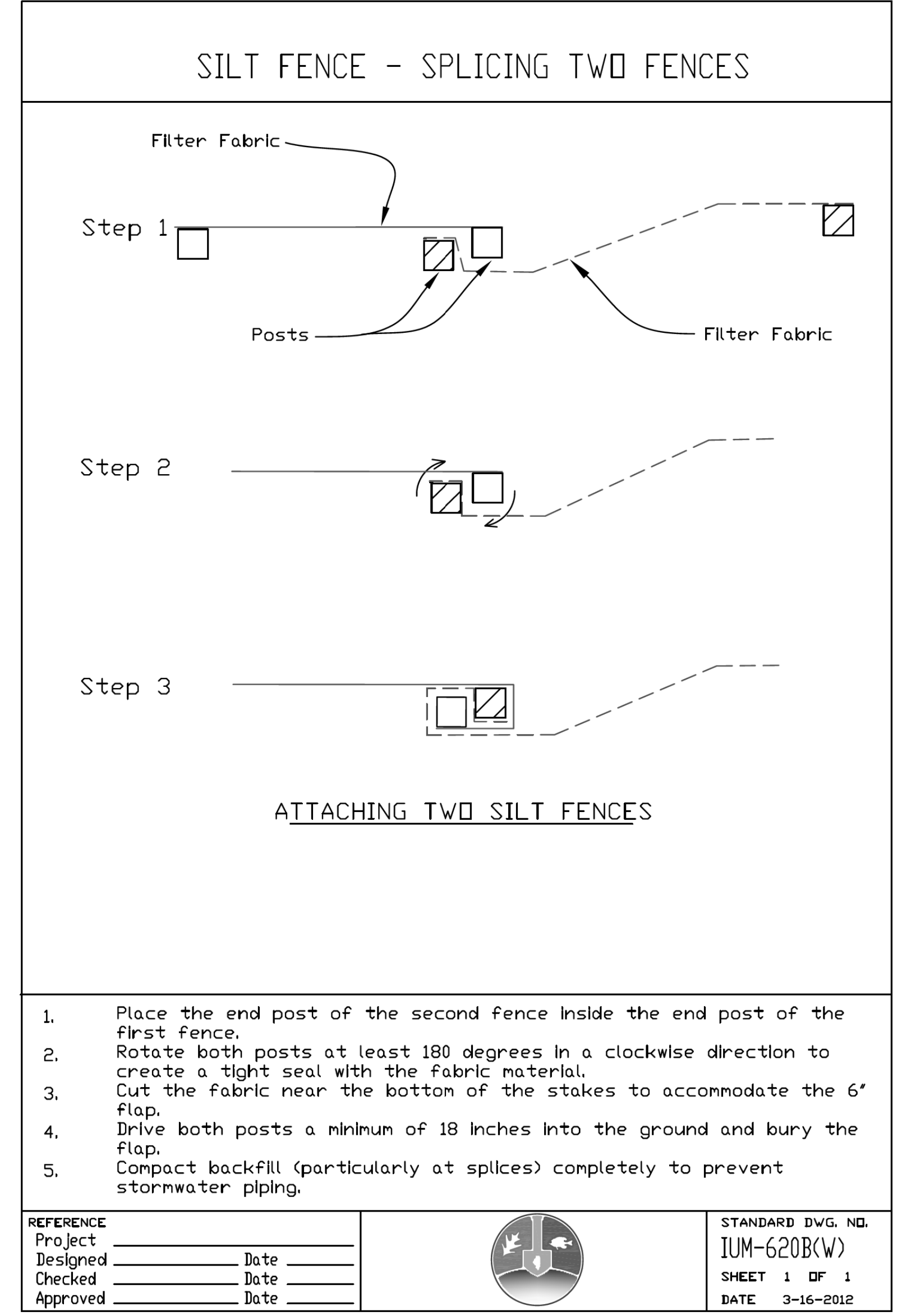
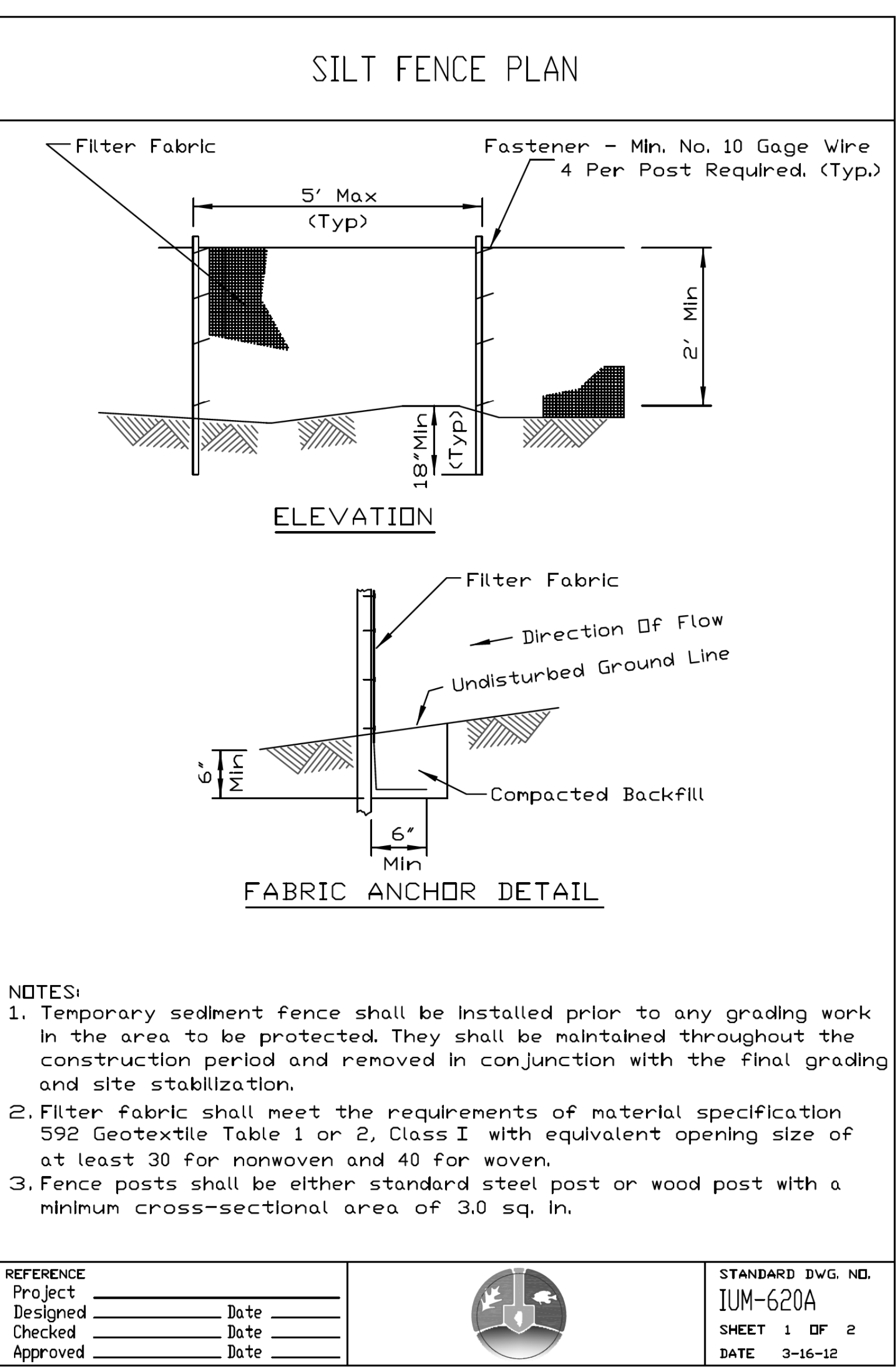
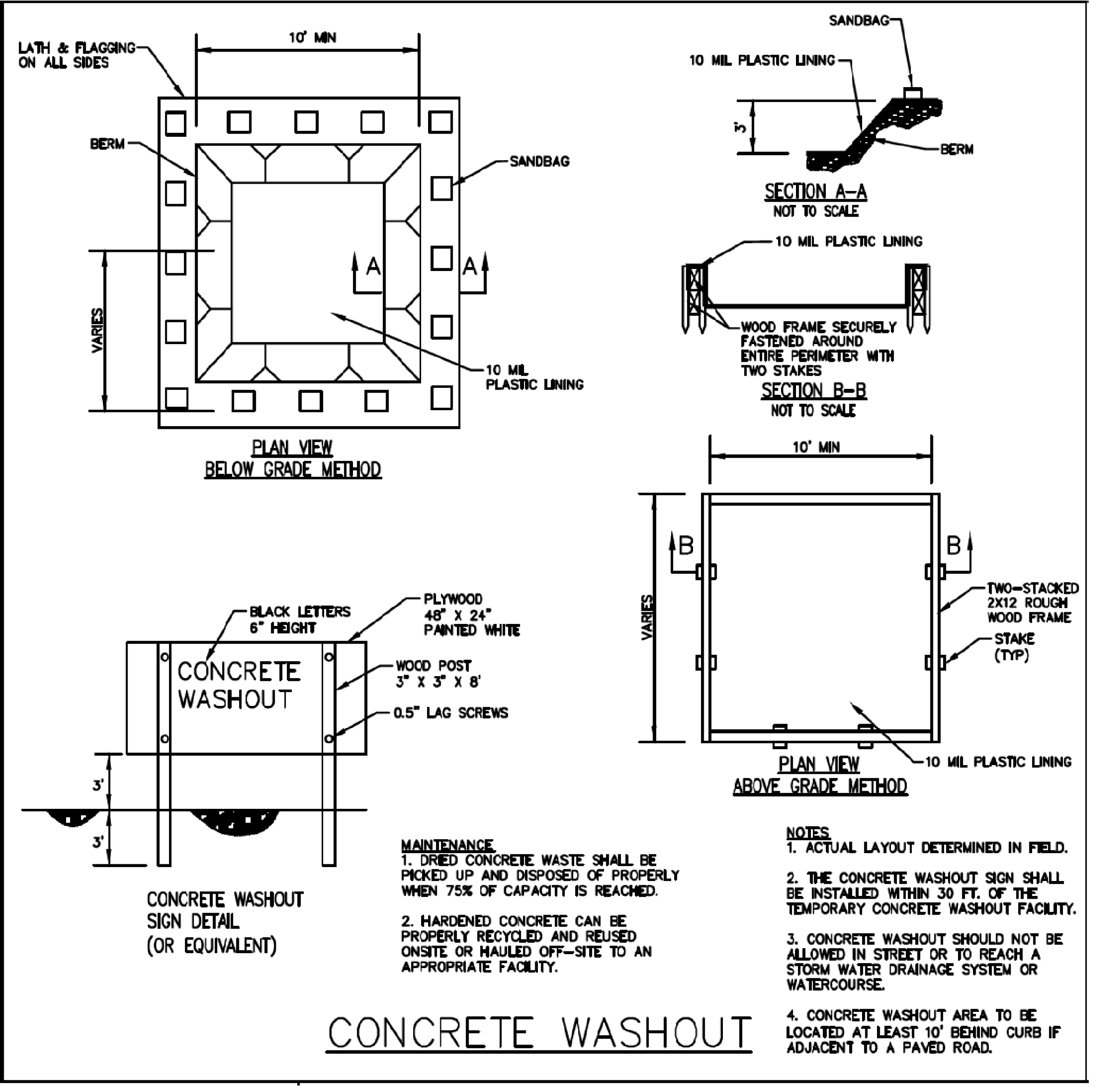
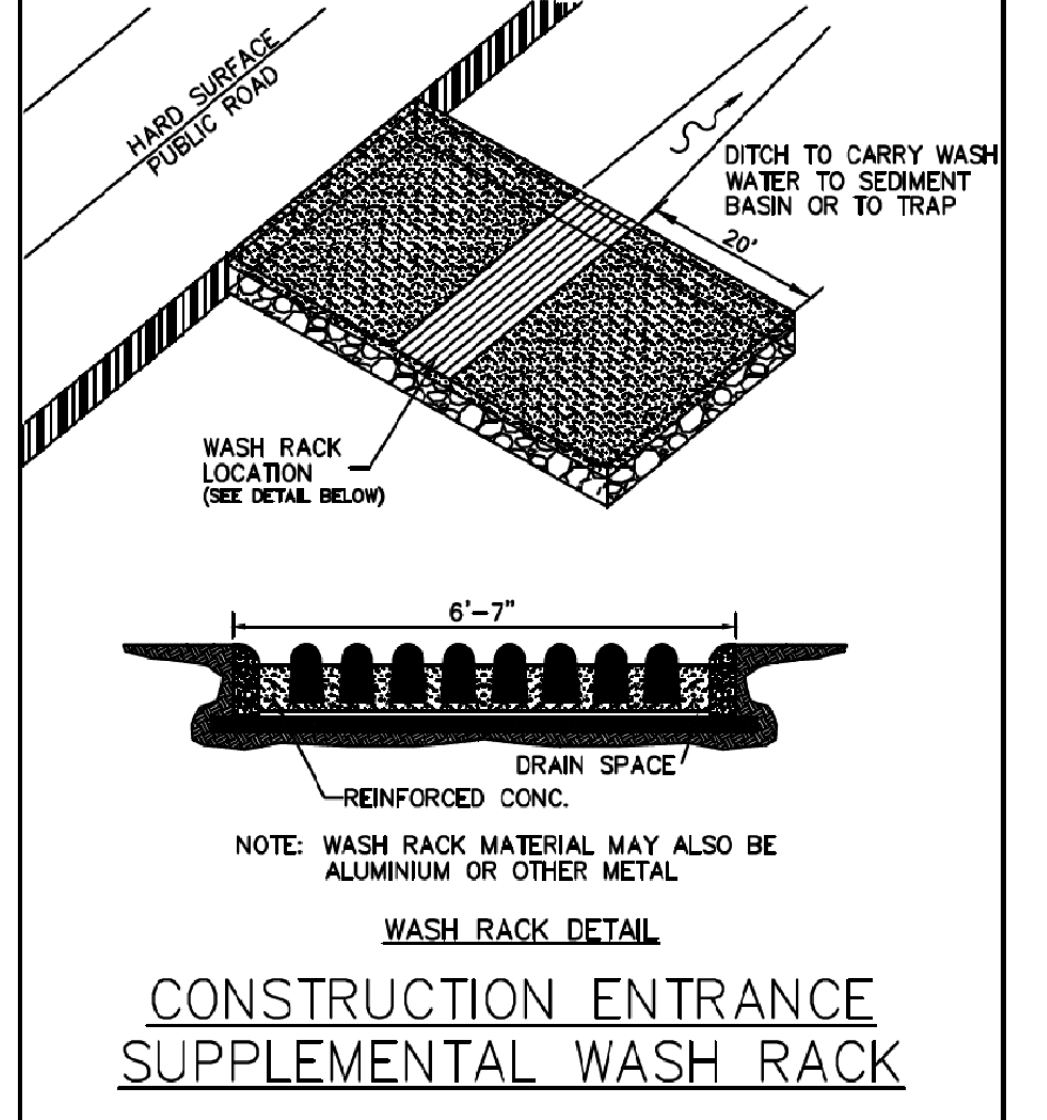
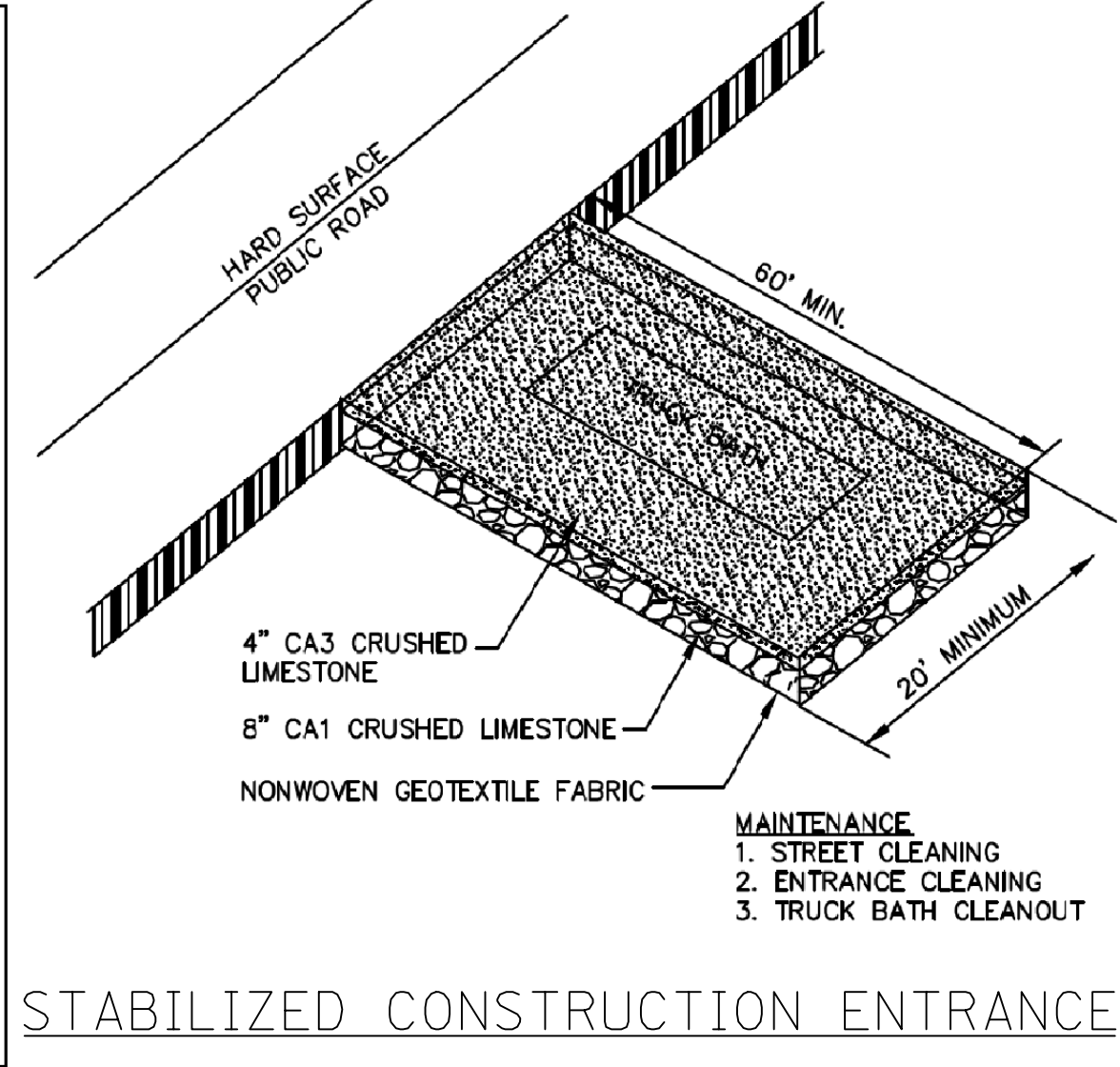
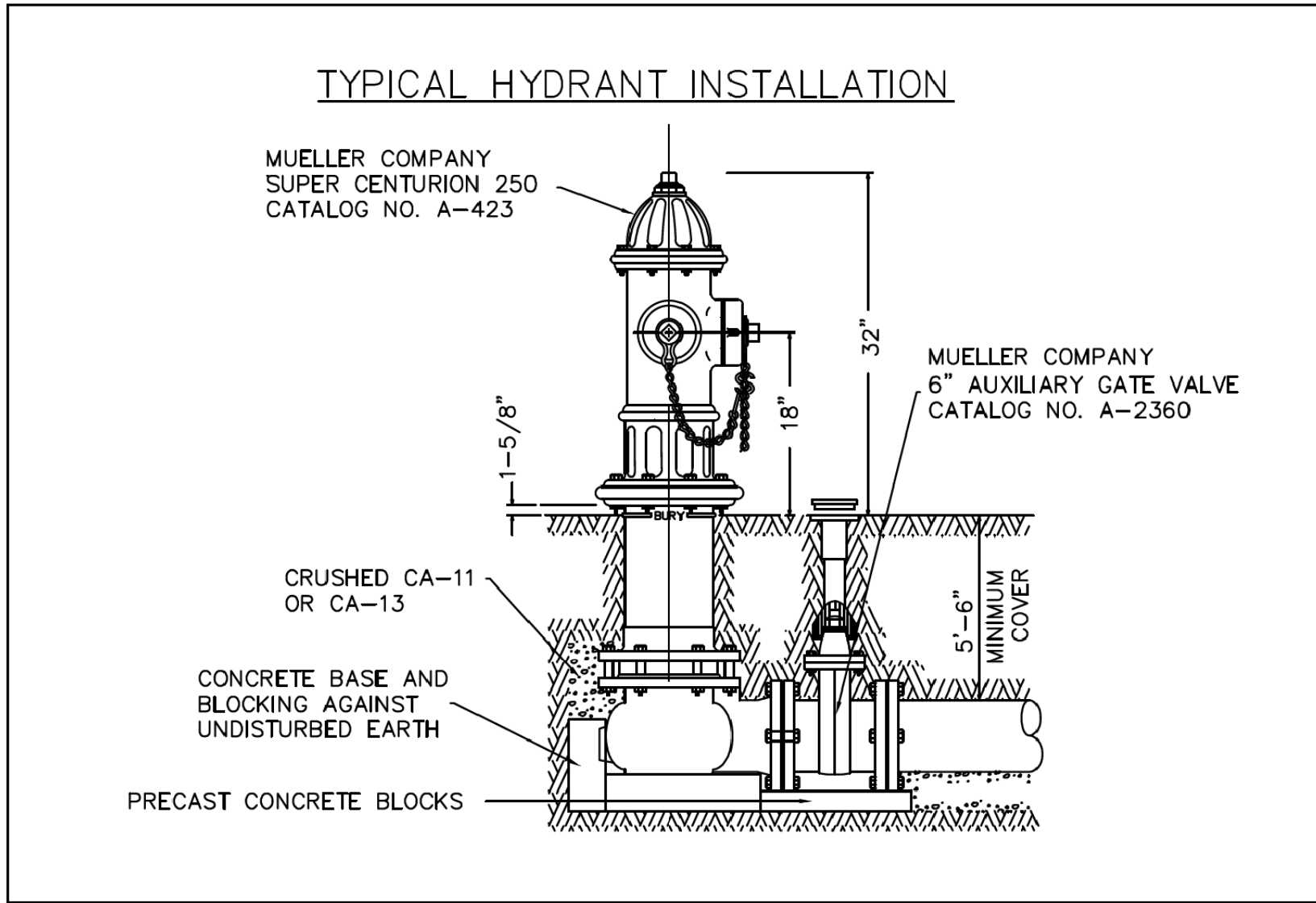
DRIVEWAY ENTRANCE SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	116
TC-26			CONTRACT NO.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
NOTED	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTED	
NOTE BOOK	
NO.	



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DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	- 12/28/2020	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

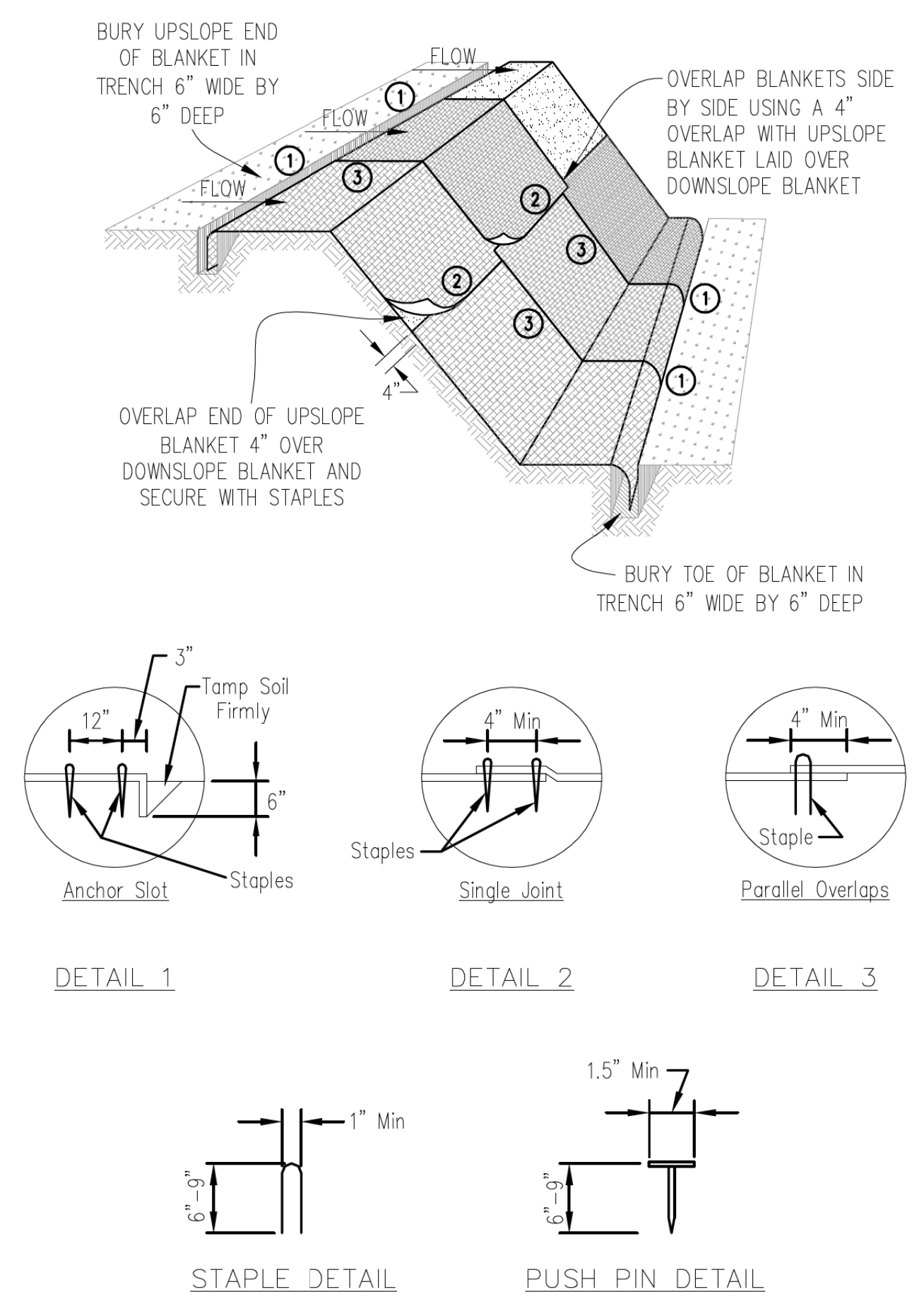
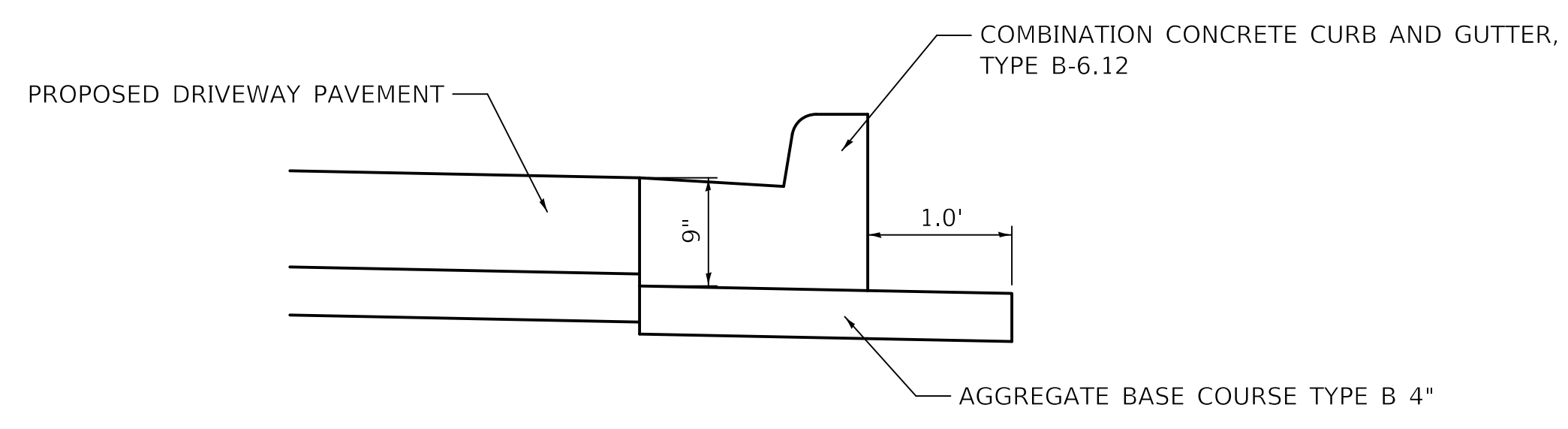
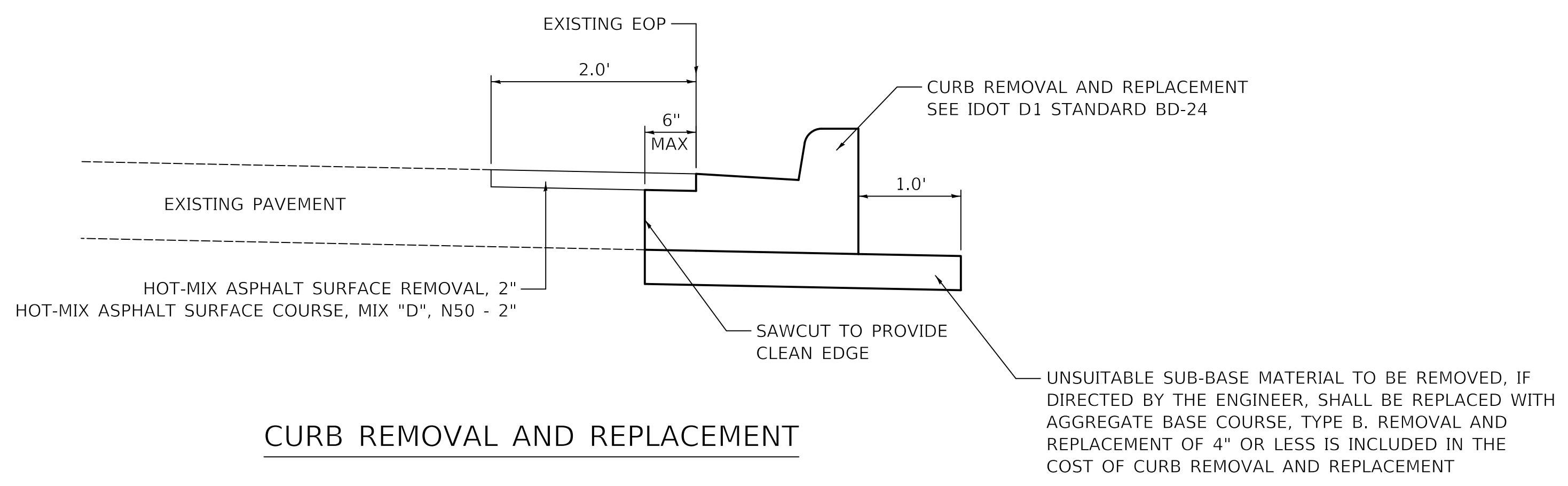
RAND ROAD SIDEPATH
CONSTRUCTION DETAILS

SHEET 1 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	117
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
NOTED	
RT. OF WAY CHECKED	
NO. OF WAY CHECKED	
NO.	
NOTE BOOK	
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CADD FILE NAME	

DATE	
BY	
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B.M. NOTED	
STRUCTURE NOTATION CHK'D	
NO.	
NOTE BOOK	
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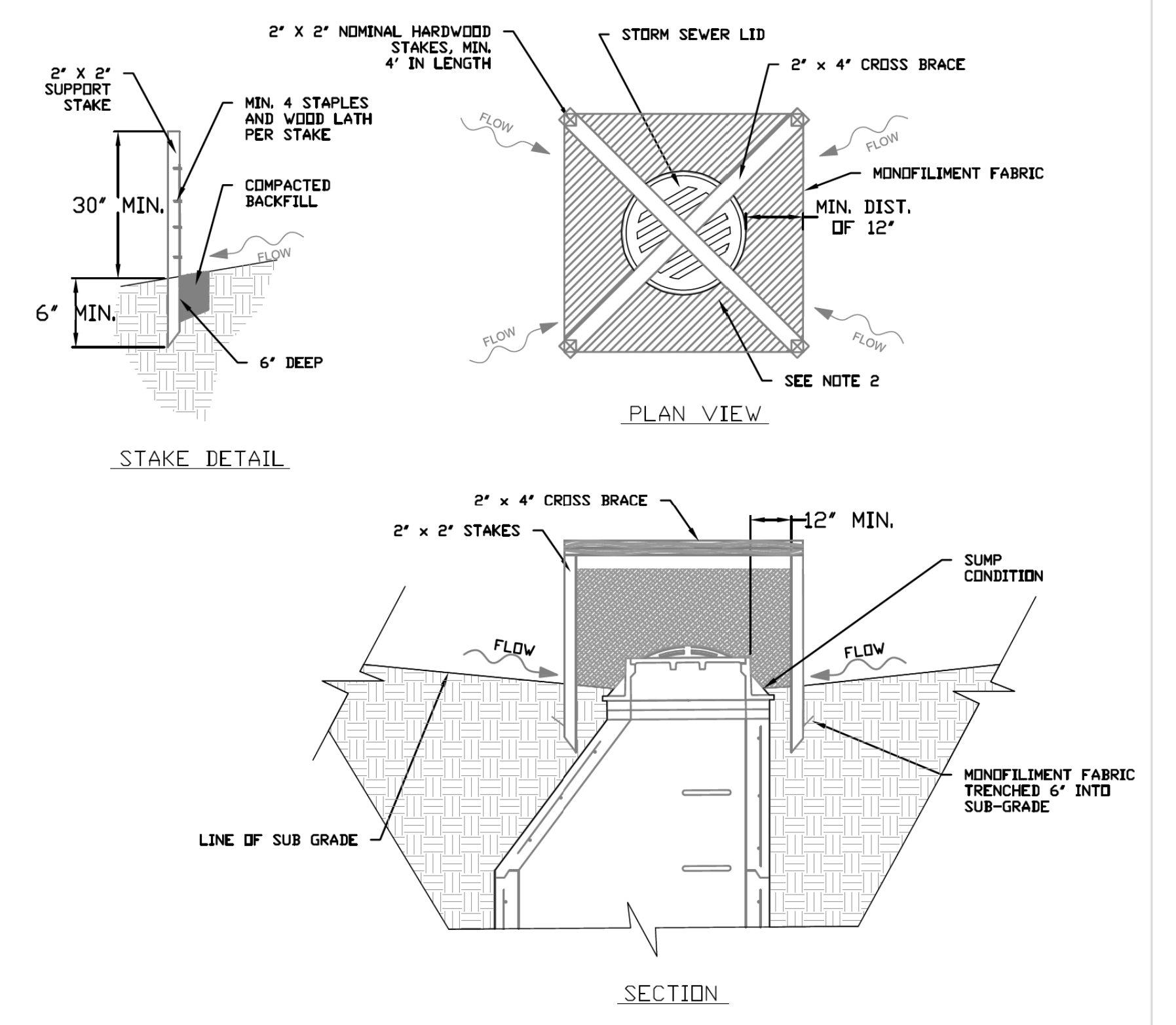


NOTES:

- Staples shall be placed in a diamond pattern at 2 per s.y. for stitched blankets. Non-stitched shall use 4 staples per s.y. of material. This equates to 200 staples with stitched blanket and 400 staples with non-stitched blanket per 100 s.y. of material.
- Staple or push pin lengths shall be selected based on soil type and condition. (minimum staple length is 6")
- Erosion control material shall be placed in contact with the soil over a prepared seedbed.
- All anchor slots shall be stapled at approximately 12" intervals.

Designed	Date
Drawn B. JOHNSON	11/08
Checked	
Approved	

INLET PROTECTION - MONOFILAMENT FABRIC BARRIER FENCE



NOTES:

- 2x2 nominal hardwood stakes, 4 foot minimum length, driven into ground approximately 18 inches, stakes driven a minimum width of 12 inches away from the drop inlet.
- Area inside the fence, from edge of fabric to structure, must be stabilized with erosion control blanket, turf reinforcement mat, geotextile 592 table 2 class 2 or ca-7 stone.
- Maximum height of the fabric above the crest of the drop inlet shall be 30 inches. Place the bottom 6 inches of the fabric in a trench and backfill with 6 inches of 95% compacted soil. Stakes must be a maximum of 4 feet apart.
- A maintenance schedule must maintain a sediment accumulation of less than 50% of the height of the monofilament fabric.
- Monofilament fabric shall meet the requirement of Material Specification 592 Geotextile Table 1, Class 4.
- Monofilament fabric shall be secured to each 2"x2" nominal hardwood stake with a minimum of 4 steel staple fasteners and Wood lath. wood lath shall be a minimum length of 10 inches. Wire fasteners should be used if metal T-posts are installed in place of hardwood stakes.

REFERENCE	Project	Date
	Designed	Date
	Checked	Date
	Approved	Date

STANDARD DWG. NO.	IUM-531
SHEET	1 OF 1
DATE	04-6-15



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DATE	- 12/28/2020	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

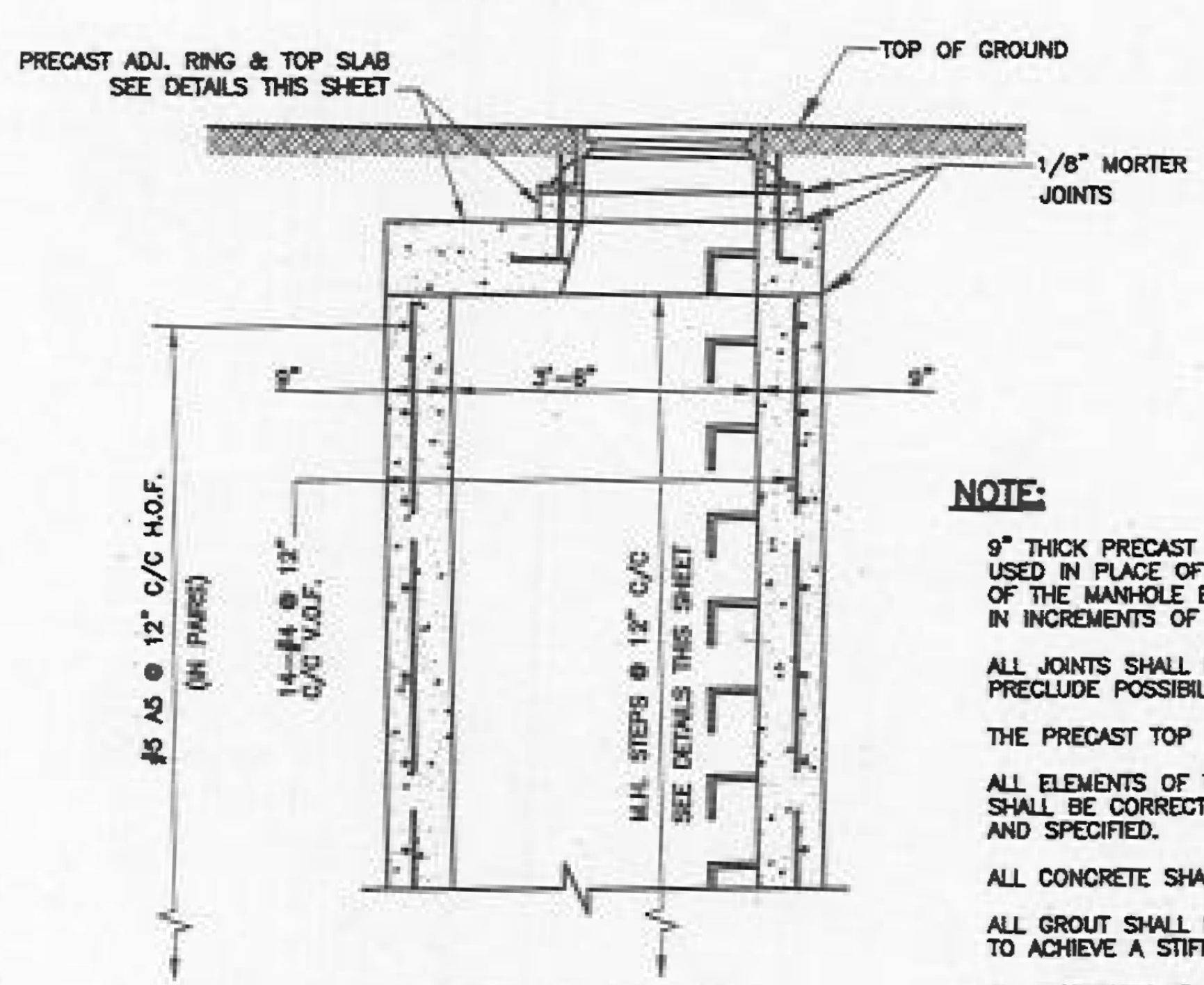
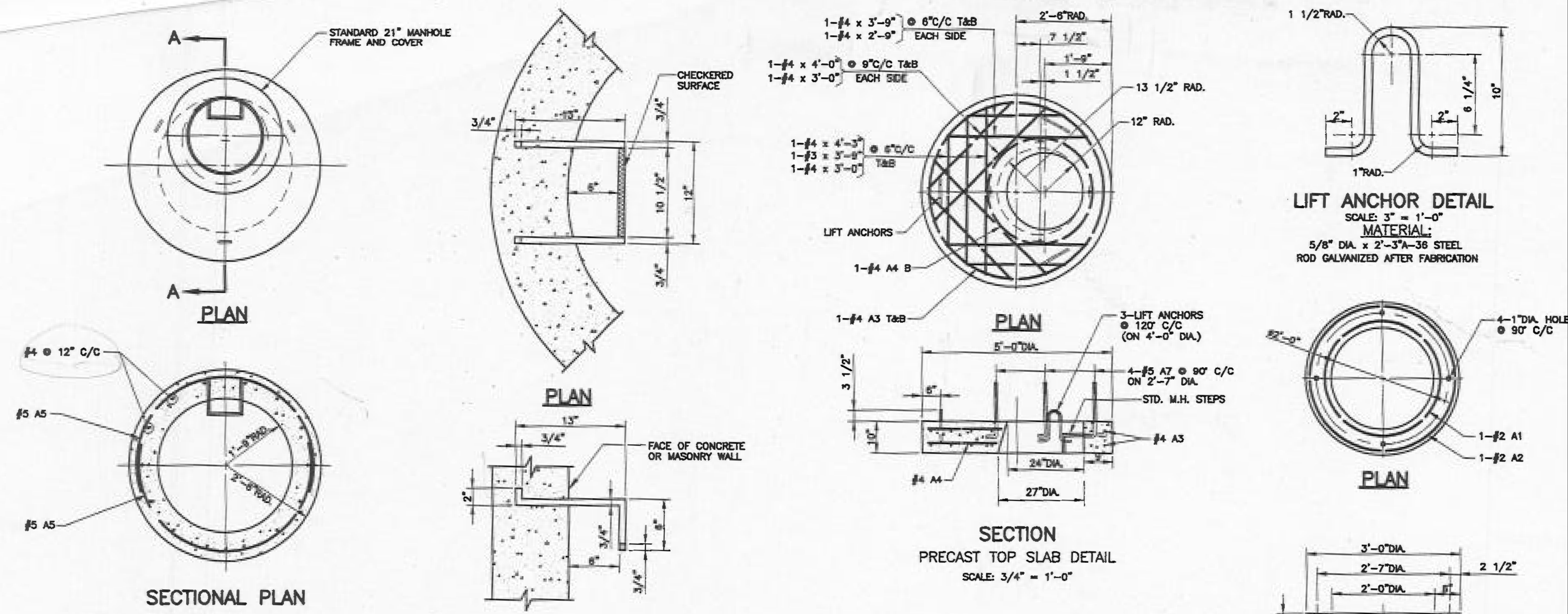
**RAND ROAD SIDEPATH
CONSTRUCTION DETAILS**

SHEET 2 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	118
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
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 RT. OF WAY CHECKED: _____
 NO. _____
 CADD FILE NAME: _____

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 CHECKED: _____
 S.M. NOTED: _____
 STRUCTURE NOTATION: CHK'D
 NO. _____



NOTE:

- 9" THICK PRECAST CONCRETE RINGS WITH CAST IN PLACE RUNGS MAY BE USED IN PLACE OF CAST IN PLACE CONCRETE WHEN EXTENDING THE HEIGHT OF THE MANHOLE BARREL. ALL EXTENSION SHALL BE IN ONE PIECE AND IN INCREMENTS OF 12".
- ALL JOINTS SHALL BE CLEANED, SQUARED AND GROUTED IN A MANNER TO PRECLUDE POSSIBILITY OF LEAKS AT JOINT.
- THE PRECAST TOP SLAB SHALL BE REMOVED AND REPLACED AS REQUIRED.
- ALL ELEMENTS OF THE MANHOLE DISTURBED OR DAMAGED DURING ALTERATION SHALL BE CORRECTED OR REPLACED TO MEET THE STANDARD HEREIN SHOWN AND SPECIFIED.
- ALL CONCRETE SHALL BE CLASS "R".
- ALL GROUT SHALL BE 1 PART CEMENT TO 3 PARTS SAND WITH MINIMUM WATER TO ACHIEVE A STIFF PLASTIC CONSISTENCY WITH ZERO SLUMP.
- ALL WORKMANSHIP AND MATERIALS NOT SPECIFIED SHALL BE AS PER STANDARD PREPRINTED MWRDGC SPECIFICATIONS TITLED:
 GENERAL SPECIFICATIONS - CONSTRUCTION CONTRACTS
 GENERAL SPECIFICATIONS - SEWERS
 GENERAL SPECIFICATIONS - CONCRETE

RE-BAR BENDING DETAILS						
MARK	SIZE	LENGTH	TYPE	A	B	R
A1	#2	7'-6"	②	-	-	13 1/2"
A2	#2	9'-6"	②	-	-	17"
A3	#4	15'-0"	②	-	-	27 1/2"
A4	#4	8'-3"	②	-	-	16 1/2"
A5	#5	8'-9"	③	8'-9"	-	27 1/2"
A7	#5	2'-0"	①	6"	1'-6"	-

PROCEDURE:

- A) TO RAISE ELEVATION 0" TO 8" MAX., ADD 4" THICK ADJUSTMENT RINGS AS DETAILED. INCREMENTS OF LESS THAN 4" SHALL BE OBTAINED BY HAND PACKING A DRY CEMENT GROUT OVER 100% OF THE BEARING AREA.
- B) TO RAISE ELEVATION OVER 8" AND LESS THAN 12", REMOVE THE 4" ADJUSTMENT RING AND EXTEND THE 9" THICK MANHOLE BARREL 12" WITH CAST IN PLACE CONCRETE REINFORCED AS DETAILED AND WITH LADDER RING AS DETAILED. TOP OF EXISTING CONCRETE TO BE CLEANED AND ROUGHENED AND NEW CONCRETE PLACED IN A MANNER TO INSURE BONDING AND NO LEAKAGE. FOR INCREMENTS BETWEEN 8" AND 12" PLACE GROUT FILLER AS IN (A) ABOVE.
- C) TO RAISE ELEVATION 12" AND ABOVE, ADD TO 9" THICK MANHOLE BARREL ONLY IN INCREMENTS OF 12" WITH RUNGS AT 12" O.C. AS DESCRIBED IN (B). FOR INCREMENTS BETWEEN 12" ADD OR REMOVE 4" ADJUSTMENT RINGS AND GROUT FILLER AS DESCRIBED IN (A) AND (B).
- D) TO LOWER ELEVATION 0" TO 4", REMOVE 4" THICK ADJUSTMENT RING AND FILL INCREMENTS OF 0" TO 4" WITH GROUT AS DESCRIBED IN (A).
- E) TO LOWER ELEVATION MORE THAN 4", REMOVE 9" THICK MANHOLE BARREL ONLY IN INCREMENTS OF 12" AND ADD OR REMOVE 4" THICK ADJUSTMENT RINGS AND GROUT AS REQUIRED AND AS DESCRIBED IN (A) AND (B).



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CHECKED -	REVISED -
DATE - 12/28/2020	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

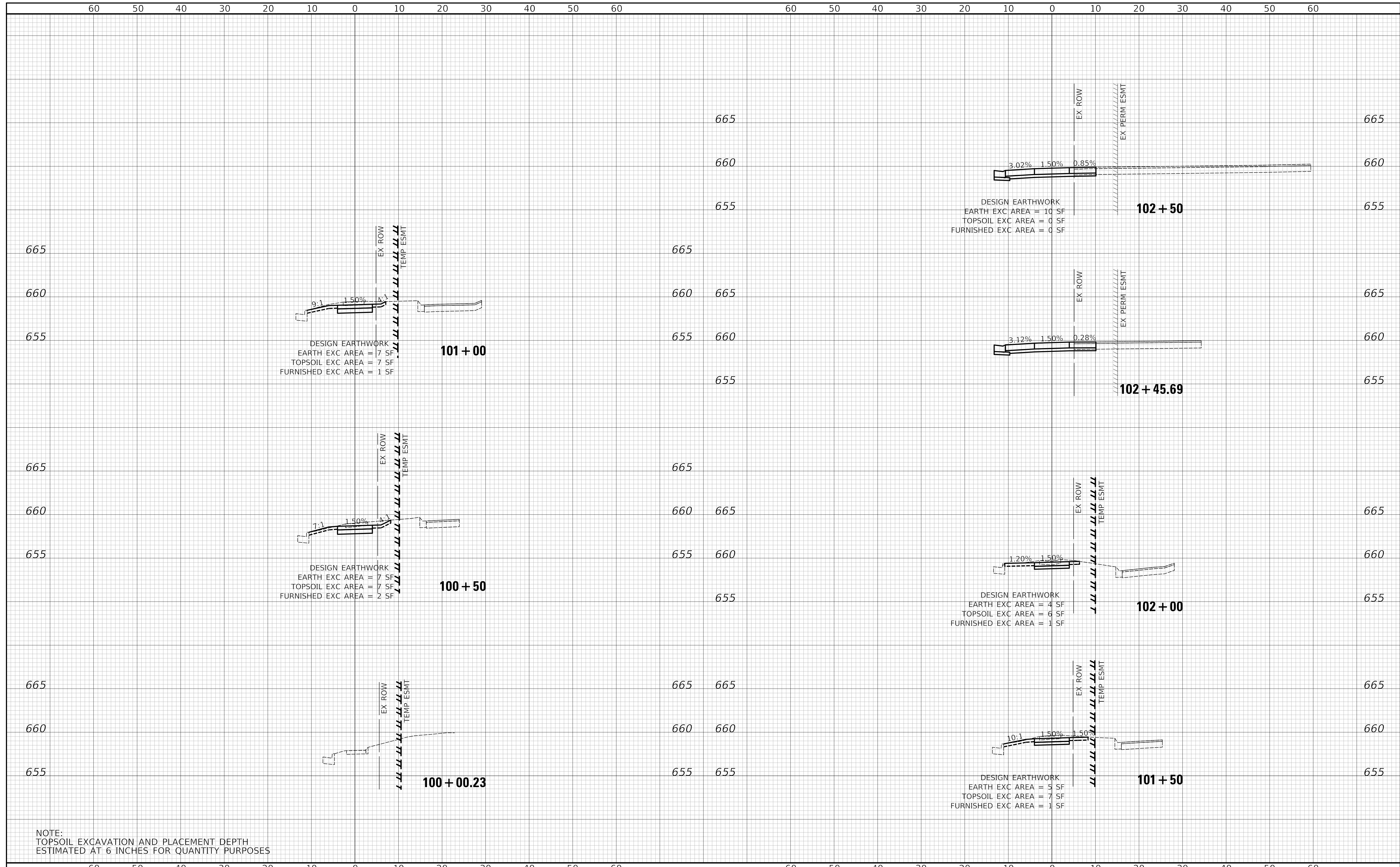
RAND ROAD SIDEPATH
 CONSTRUCTION DETAILS

SHEET 3 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	119
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

DATE	
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CADD FILE NAME	
PLAN	
NOTE BOOK NO.	

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STRUCTURE NOTATIONS CHK'D	
PROFILE	
NOTE BOOK NO.	



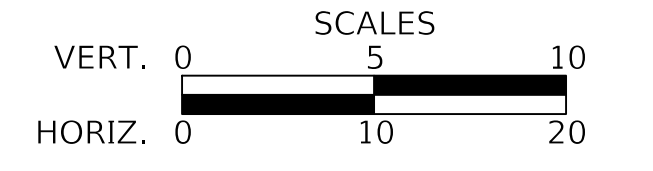
NOTE:
 TOPSOIL EXCAVATION AND PLACEMENT DEPTH
 ESTIMATED AT 6 INCHES FOR QUANTITY PURPOSES



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



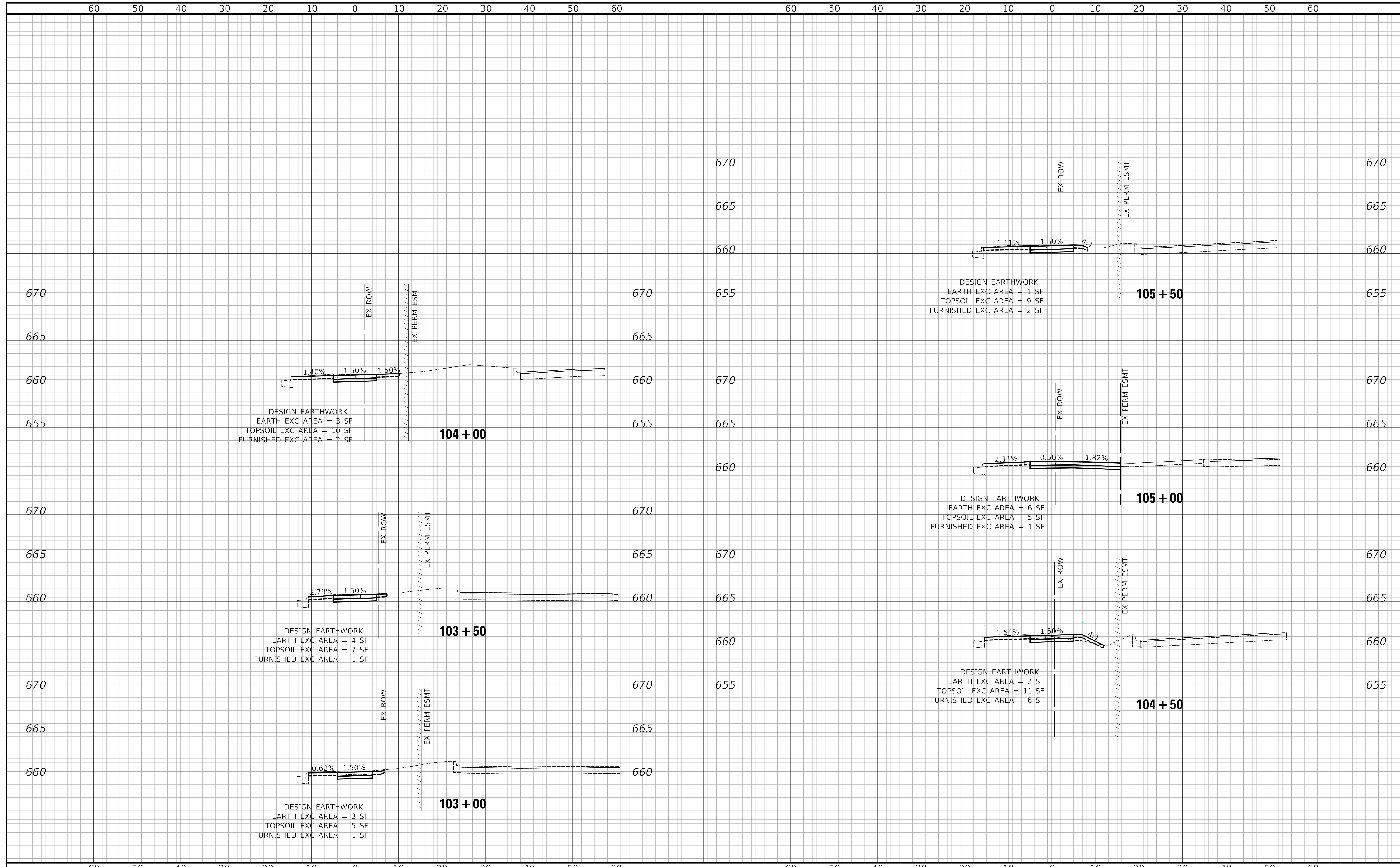
**RAND ROAD SIDEPATH
 CROSS SECTIONS**

SHEET 1 OF 37 SHEETS STA. 100+00.23 TO STA. 102+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	120
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

DATE	
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NOTE BOOK NO.	

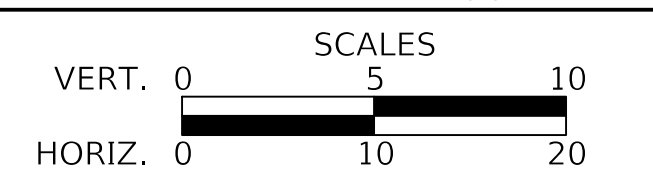
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PLOTTED	
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S.M. NOTED	
STRUCTURE NOTATIONS CHK'D	
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NOTE BOOK NO.	



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DATE - 12/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



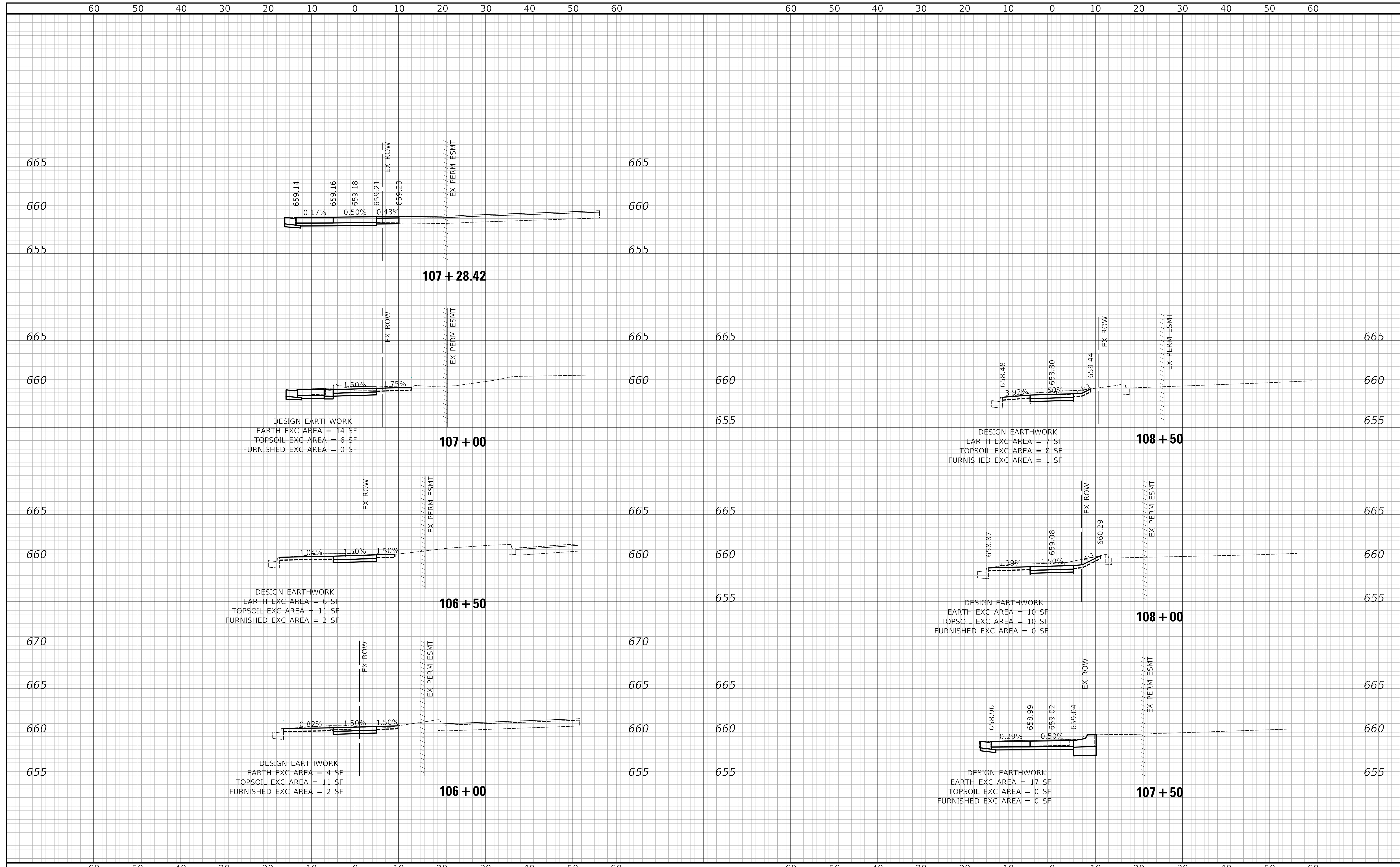
RAND ROAD SIDEPATH CROSS SECTIONS

SHEET 2 OF 37 SHEETS STA. 103+00 TO STA. 105+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	121
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

DATE	
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NOTE BOOK NO.	

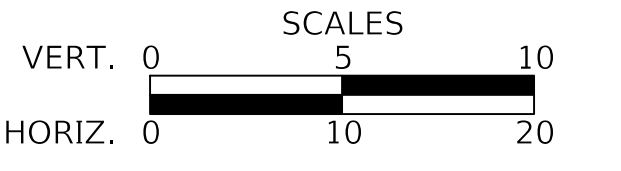
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NOTE BOOK NO.	



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DATE - 12/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



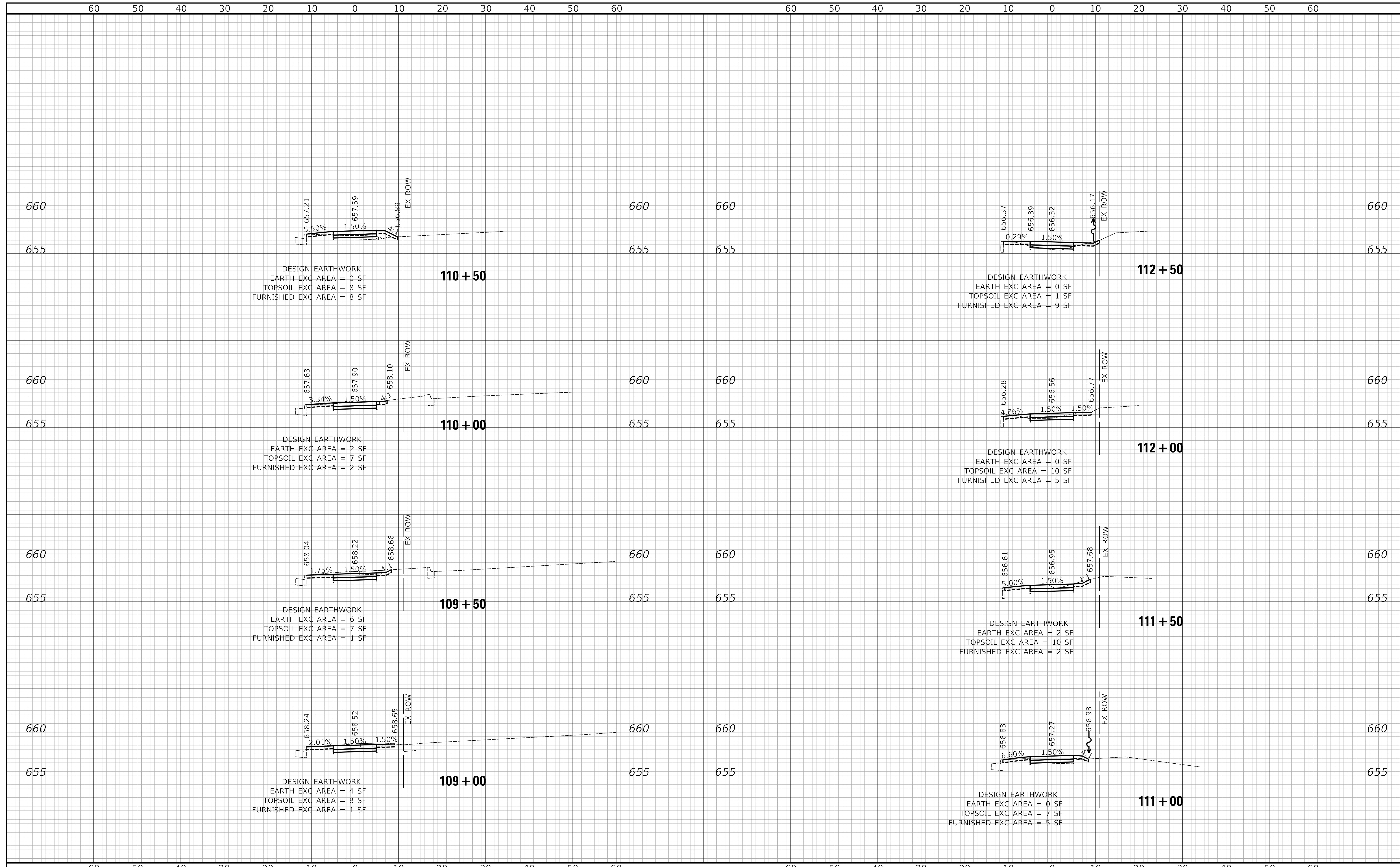
**RAND ROAD SIDEPATH
CROSS SECTIONS**

SHEET 3 OF 37 SHEETS STA. 106+00 TO STA. 108+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	122
				CONTRACT NO. 61G57
				ILLINOIS FED. AID PROJECT

DATE	
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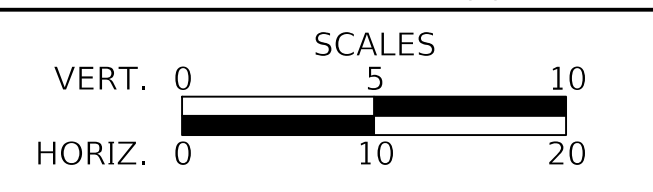
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STRUCTURE NOTATIONS CHK'D	
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NOTE BOOK NO.	



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



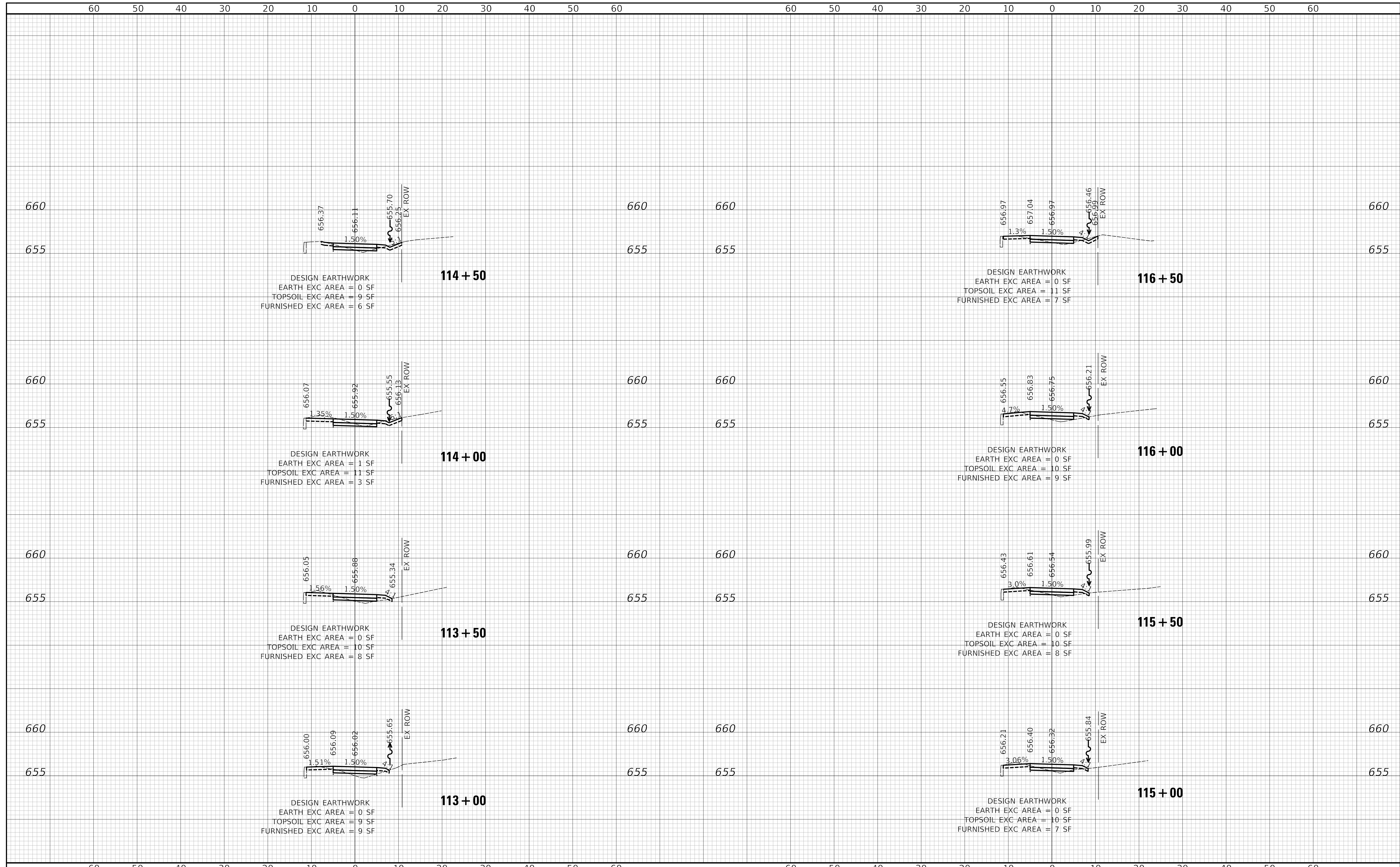
**RAND ROAD SIDEPATH
 CROSS SECTIONS**

SHEET 4 OF 37 SHEETS STA. 109+00 TO STA. 112+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	123
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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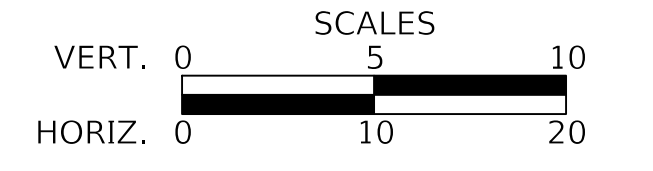
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B.M. NOTED	
STRUCTURE NOTATIONS CHK'D	
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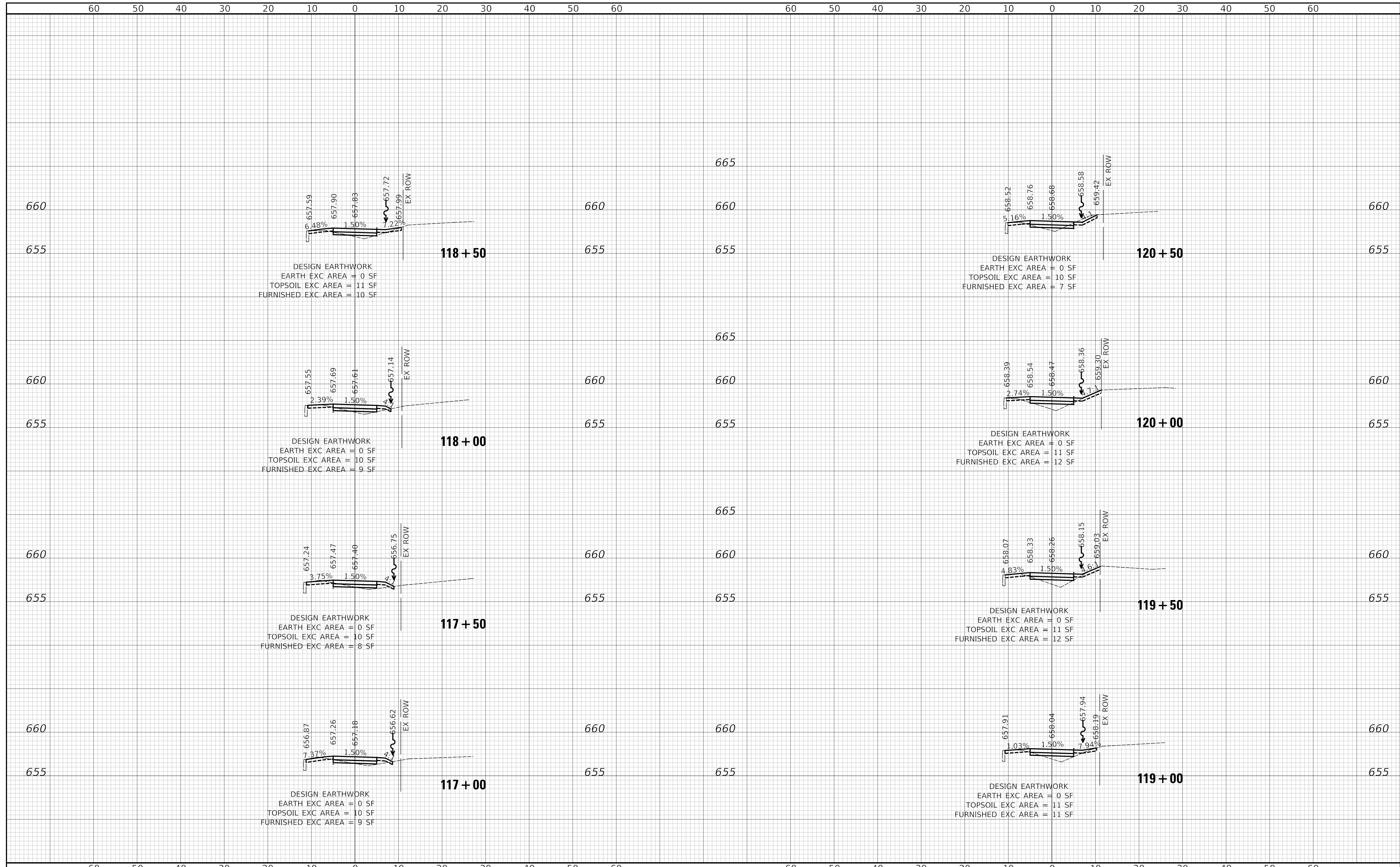
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 5 OF 37 SHEETS STA. 113+00 TO STA. 116+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	124
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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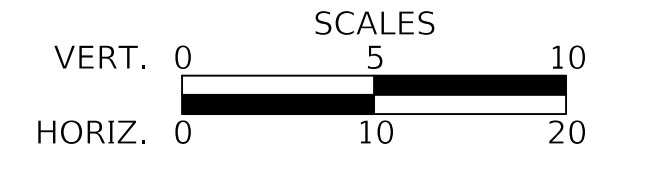
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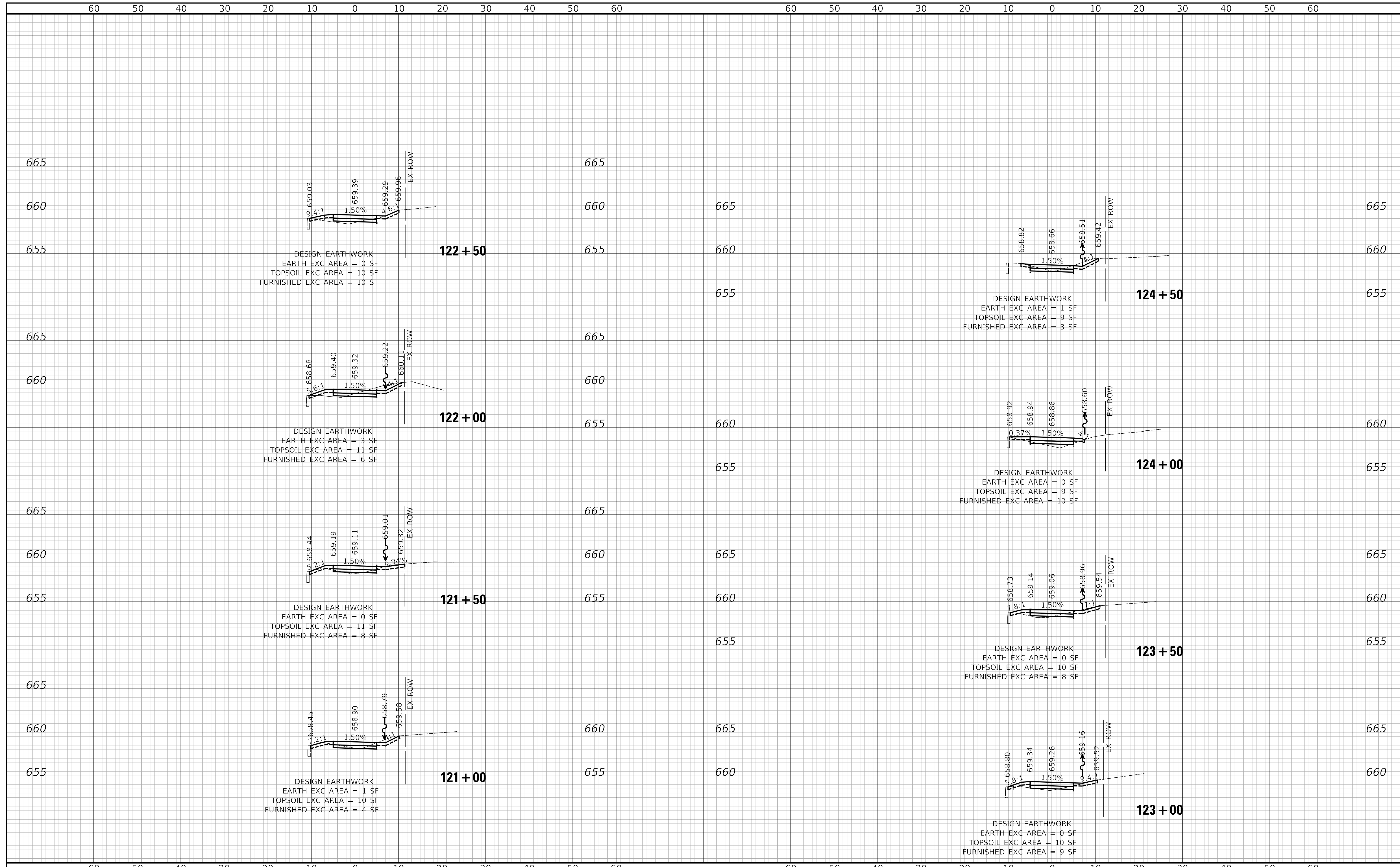
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 6 OF 37 SHEETS STA. 117+00 TO STA. 120+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	125
				CONTRACT NO. 61G57
				ILLINOIS FED. AID PROJECT

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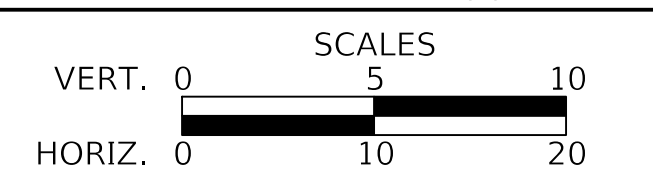
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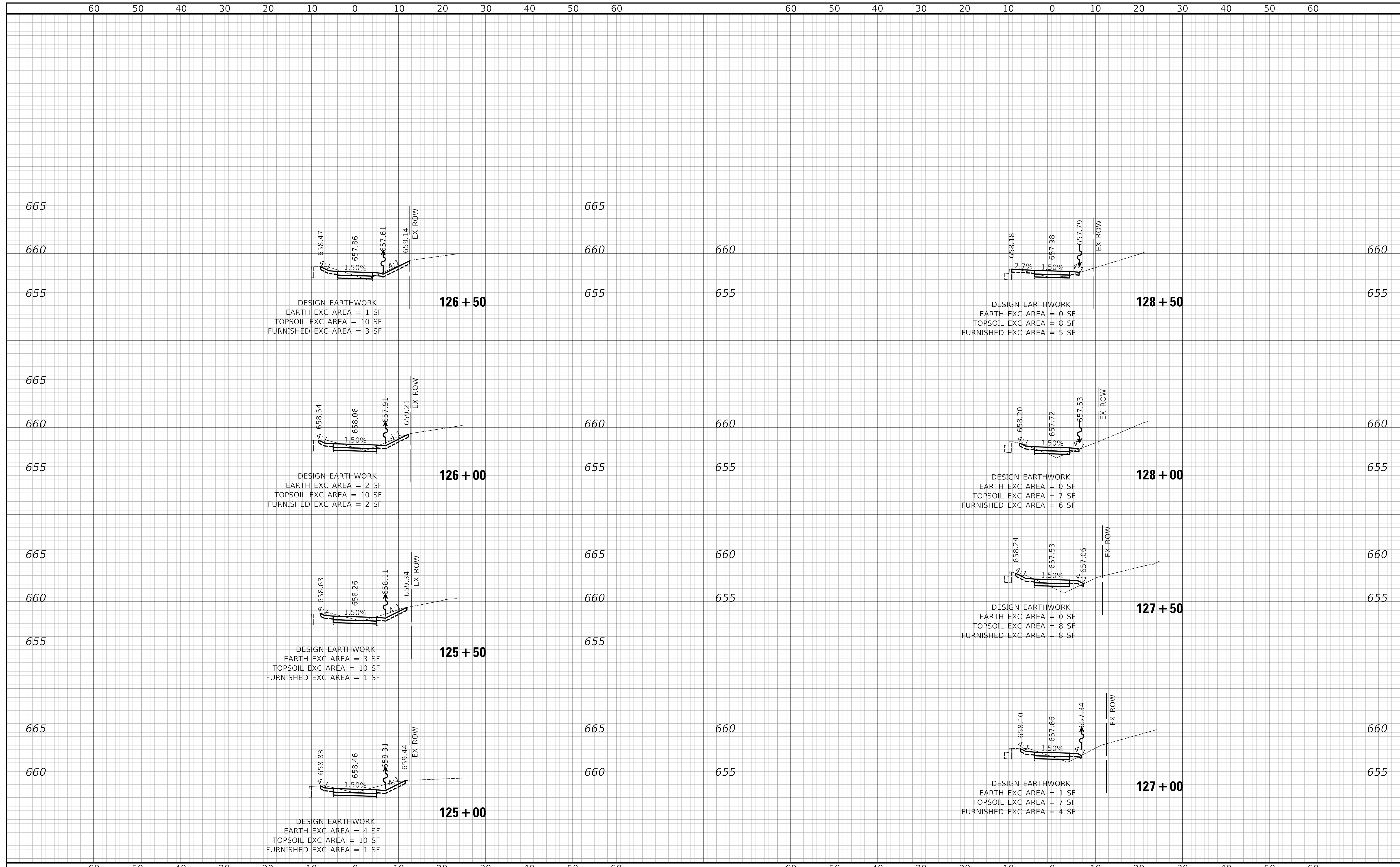
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 7 OF 37 SHEETS STA. 121+00 TO STA. 124+50

F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 126
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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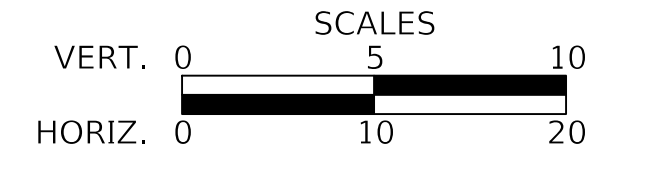
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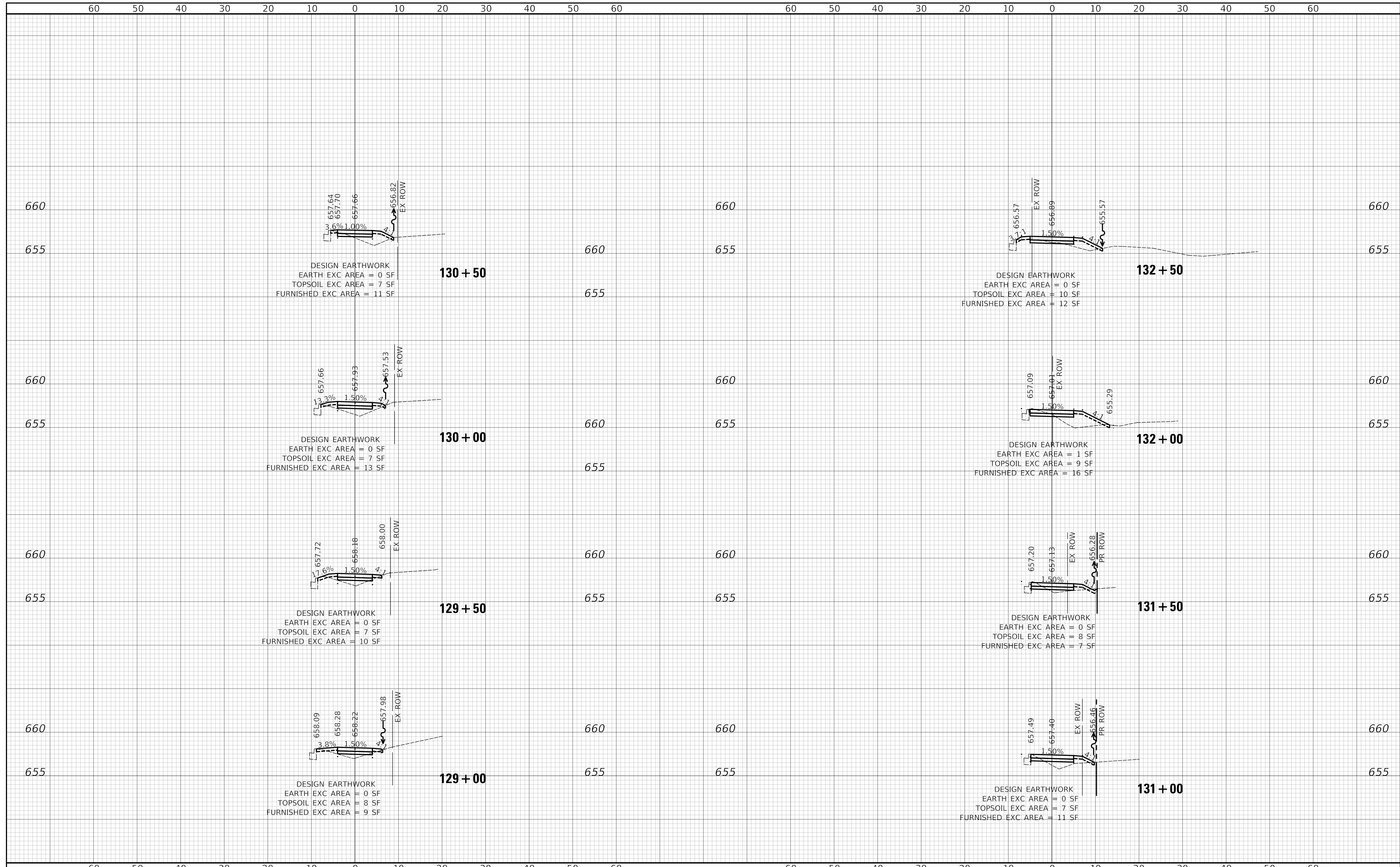
**RAND ROAD SIDEPATH
 CROSS SECTIONS**

SHEET 8 OF 37 SHEETS STA. 125+00 TO STA. 128+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	127
				CONTRACT NO. 61G57
ILLINOIS FED. AID PROJECT				

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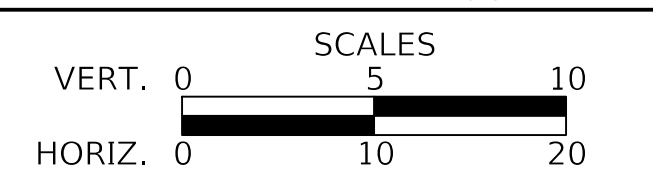
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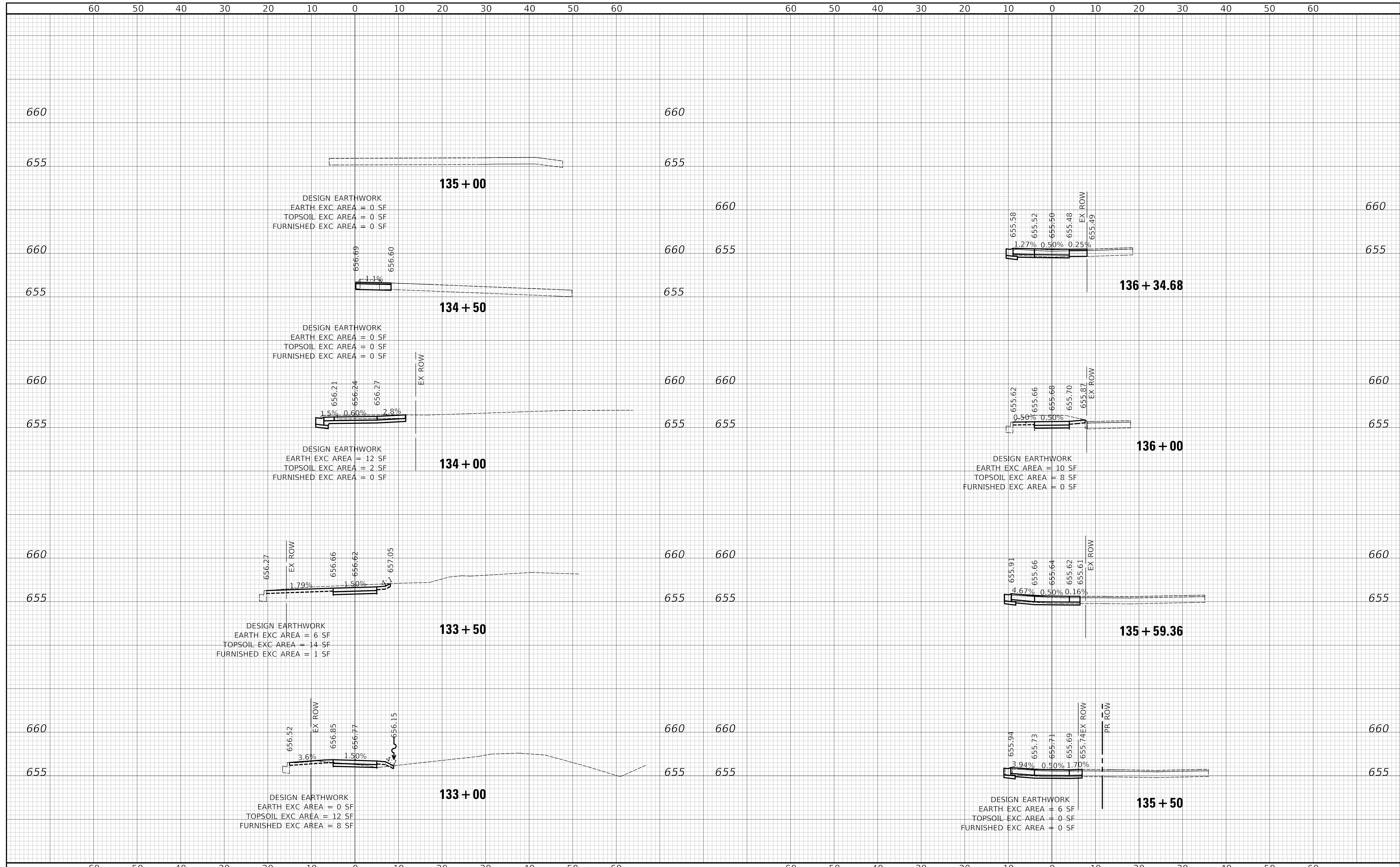


RAND ROAD SIDEPATH CROSS SECTIONS
 SHEET 9 OF 37 SHEETS STA. 129+00 TO STA. 132+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	128
				CONTRACT NO. 61G57
				ILLINOIS FED. AID PROJECT

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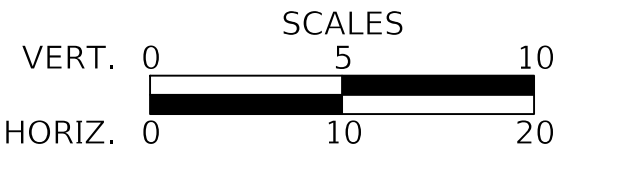
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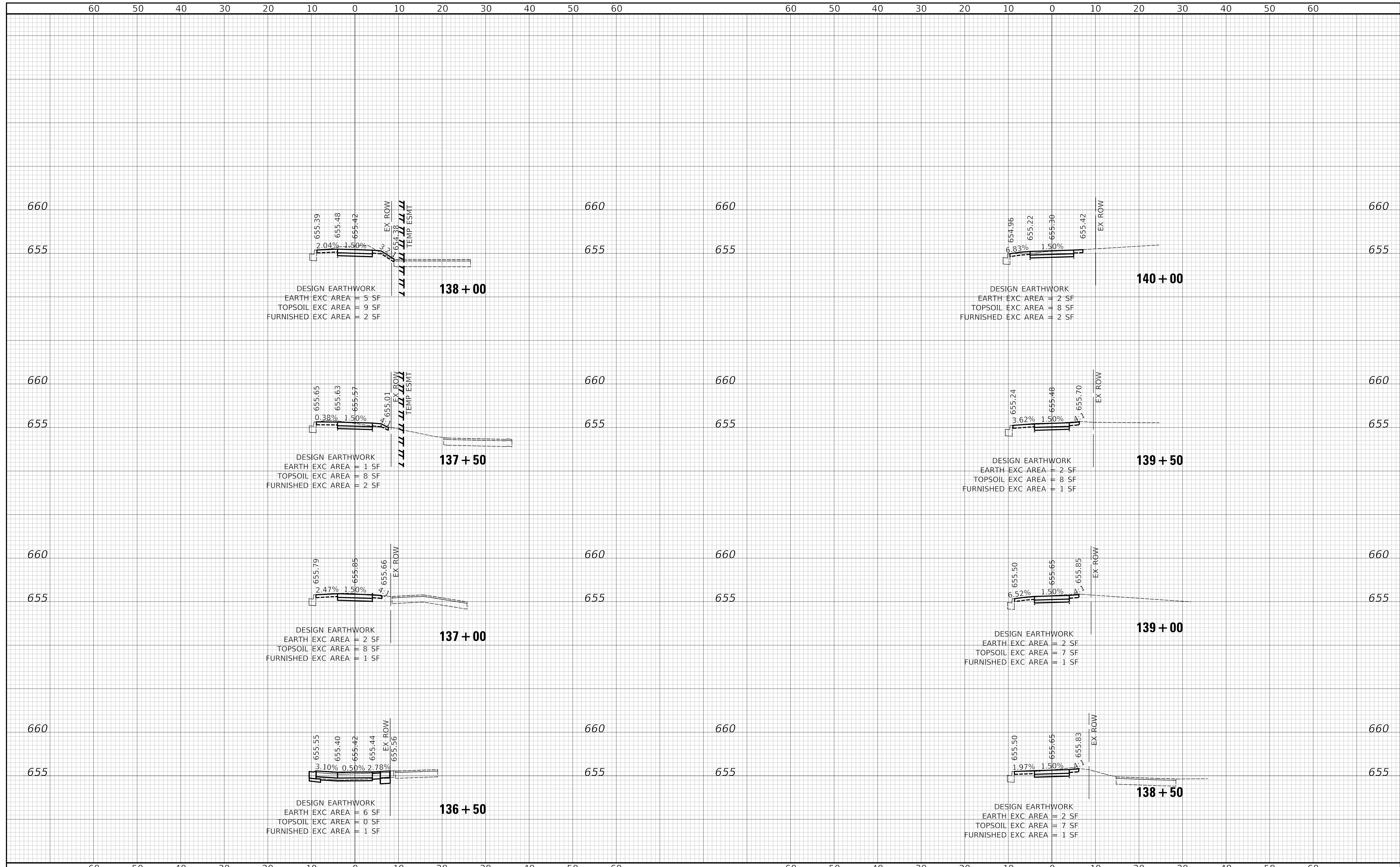
**RAND ROAD SIDEPATH
 CROSS SECTIONS**

SHEET 10 OF 37 SHEETS STA. 133+00 TO STA. 136+34.68

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	129
				CONTRACT NO. 61G57
ILLINOIS FED. AID PROJECT				

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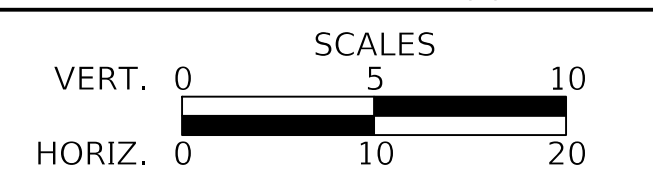
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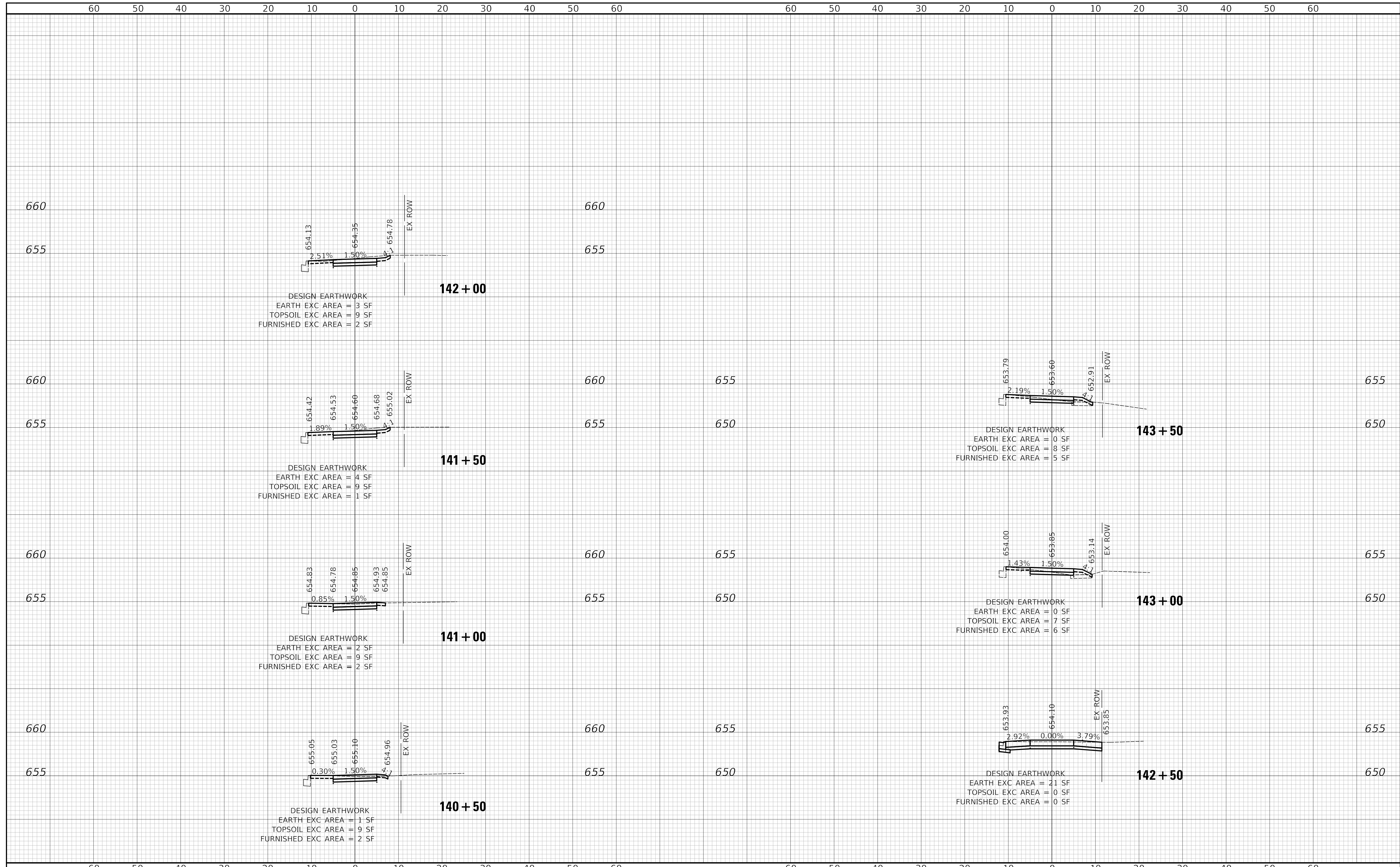
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 11 OF 37 SHEETS STA. 136+50 TO STA. 140+00

F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 130
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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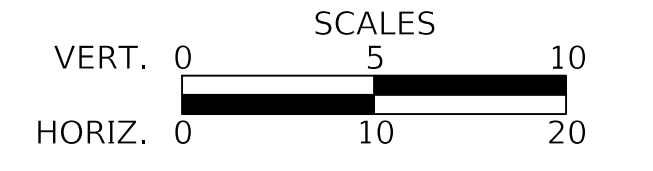
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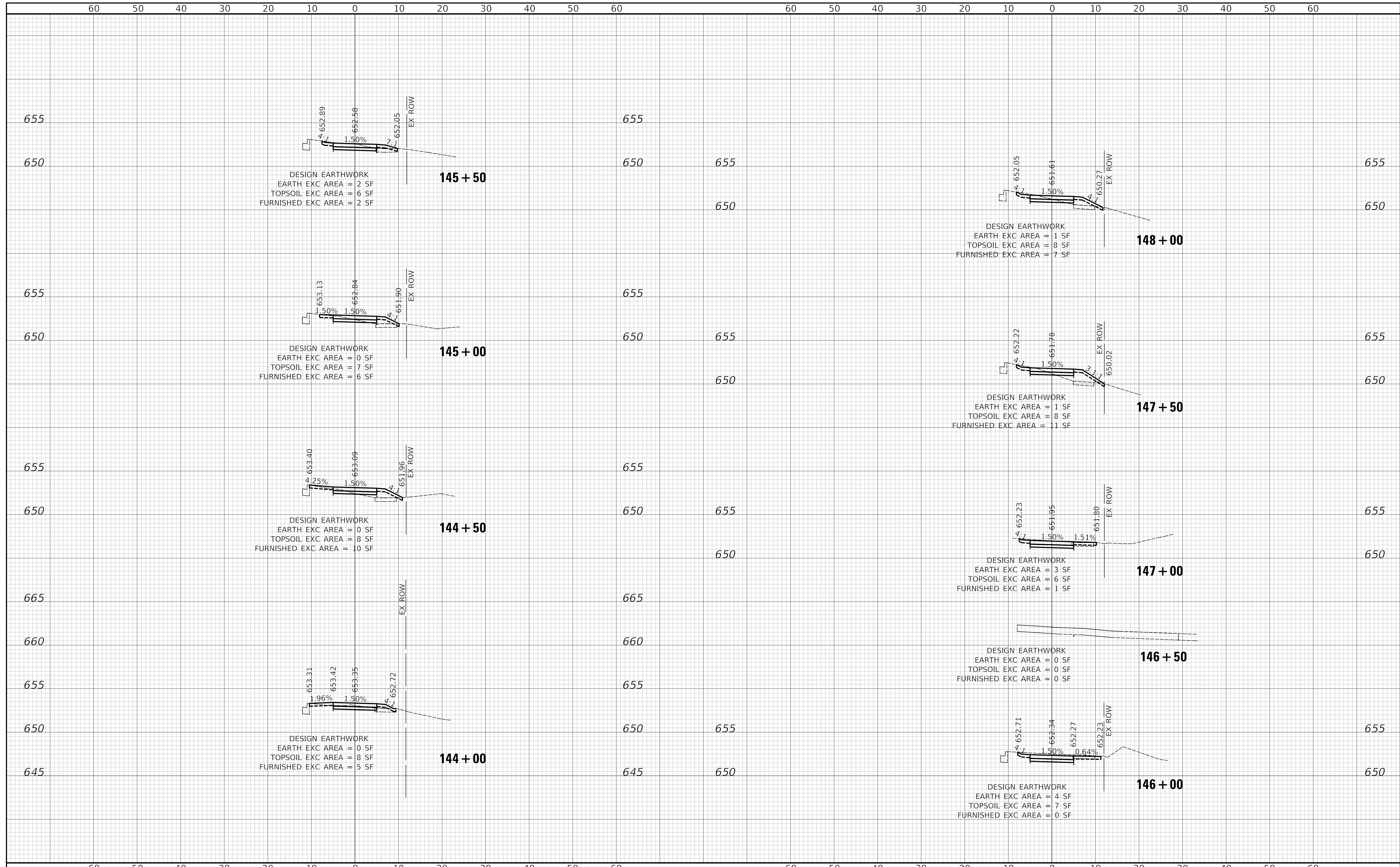
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 12 OF 37 SHEETS STA. 140+50 TO STA. 143+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	131
				CONTRACT NO. 61G57
				ILLINOIS FED. AID PROJECT

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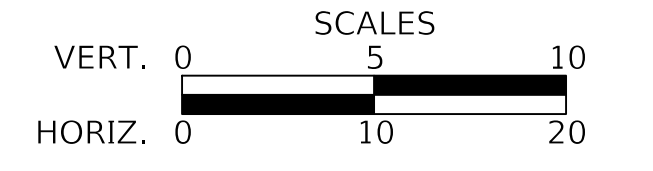
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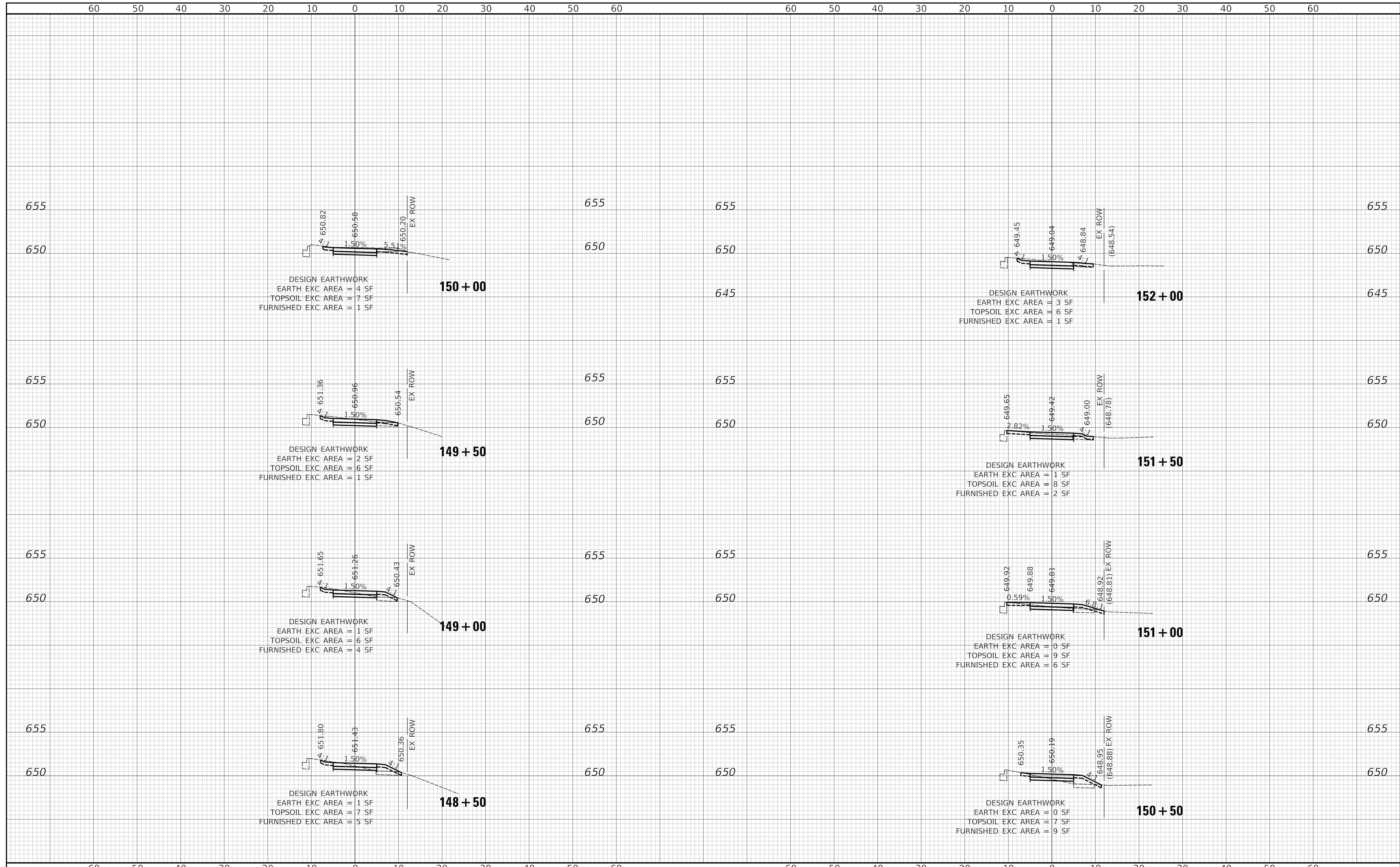
**RAND ROAD SIDEPATH
 CROSS SECTIONS**

SHEET 13 OF 37 SHEETS STA. 144+00 TO STA. 148+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	132
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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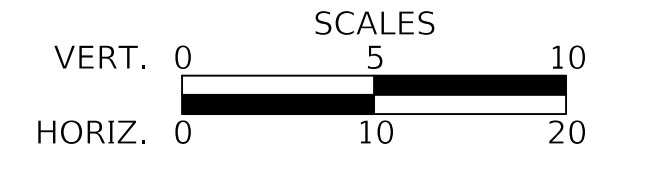
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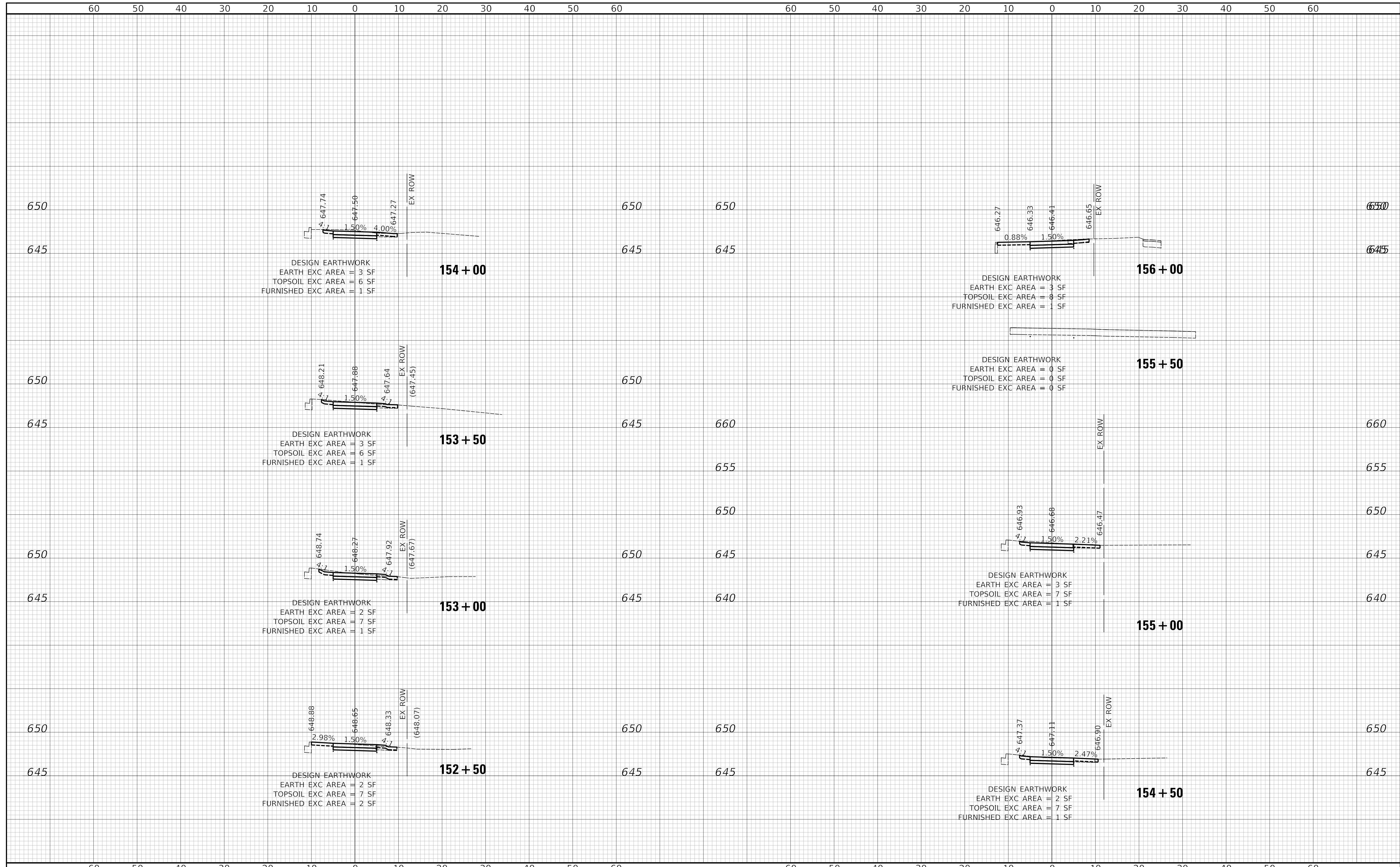
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 14 OF 37 SHEETS STA. 148+50 TO STA. 152+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	133
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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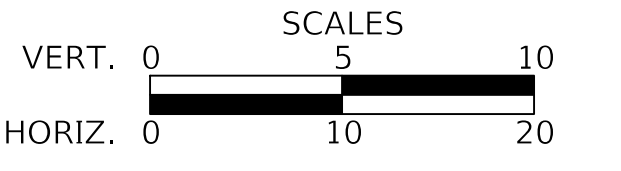
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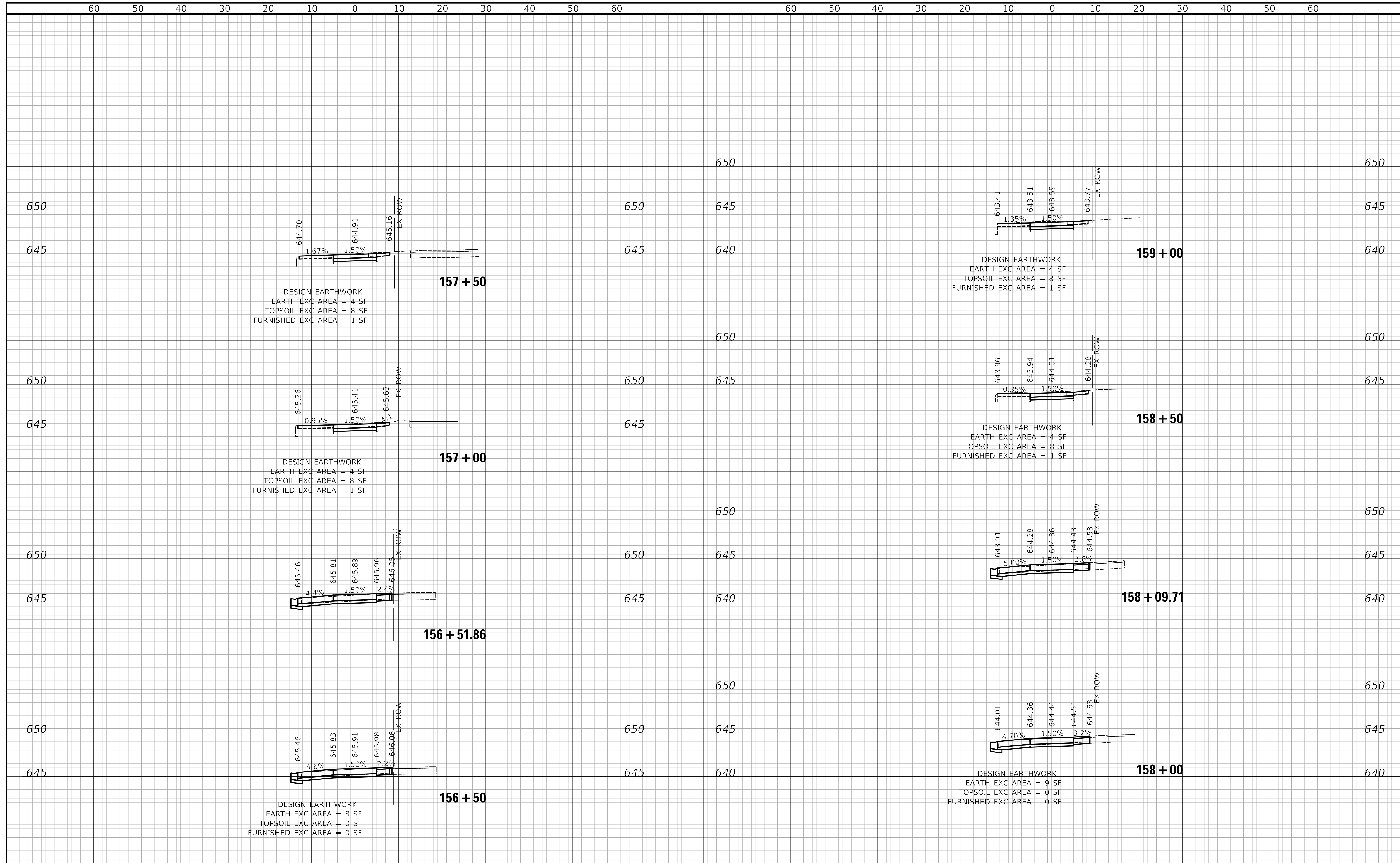
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 15 OF 37 SHEETS STA. 152+50 TO STA. 156+00

F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 134
CONTRACT NO. 61G57				ILLINOIS FED. AID PROJECT

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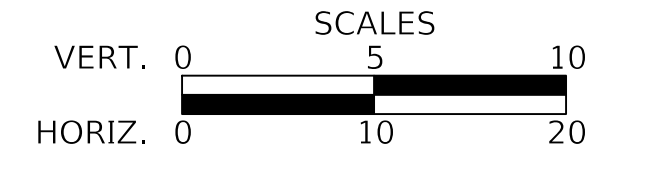
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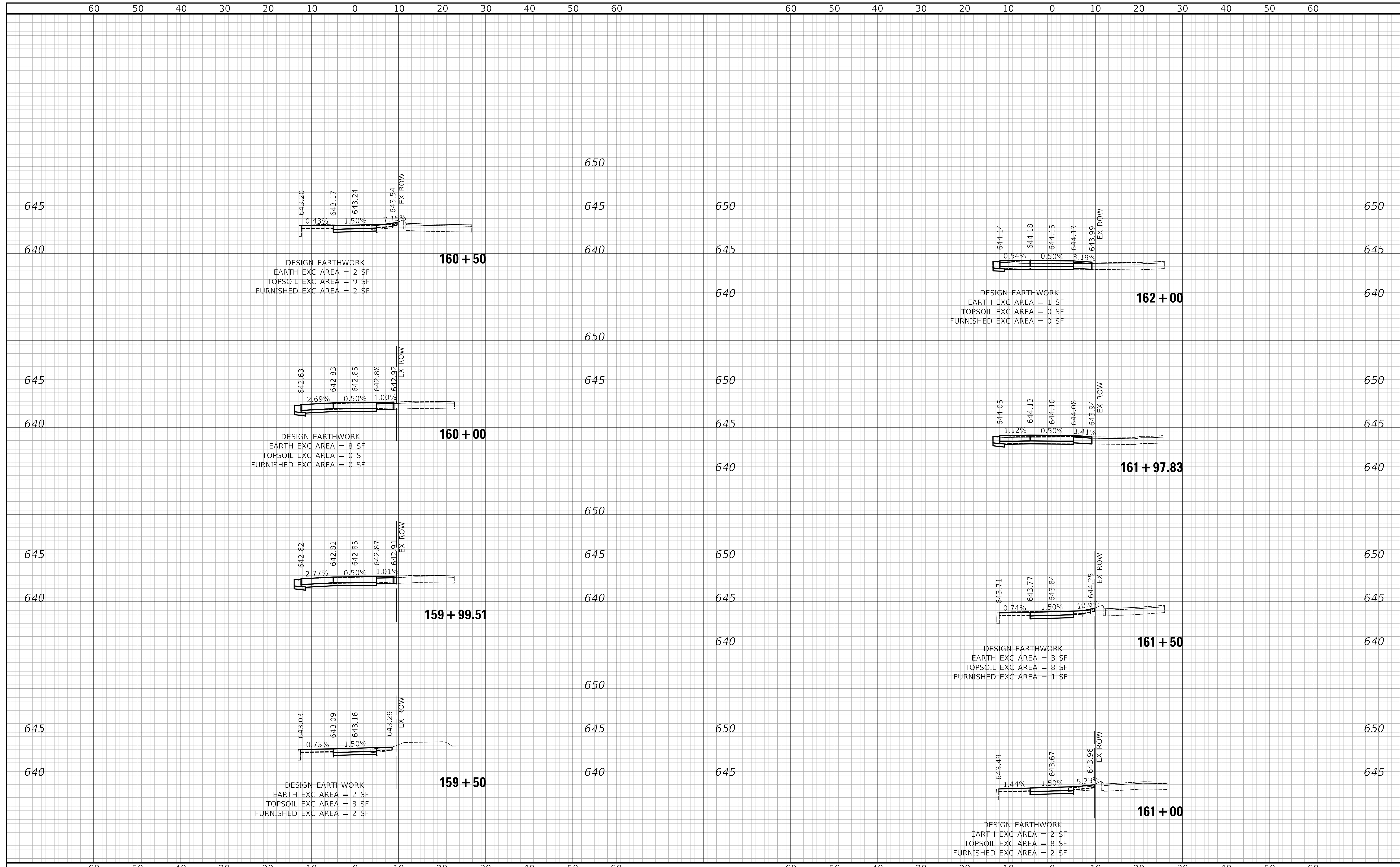
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 16 OF 37 SHEETS STA. 156+50 TO STA. 159+00

F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 135
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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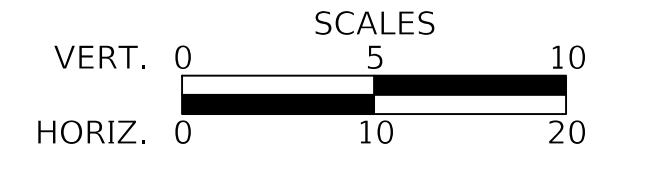
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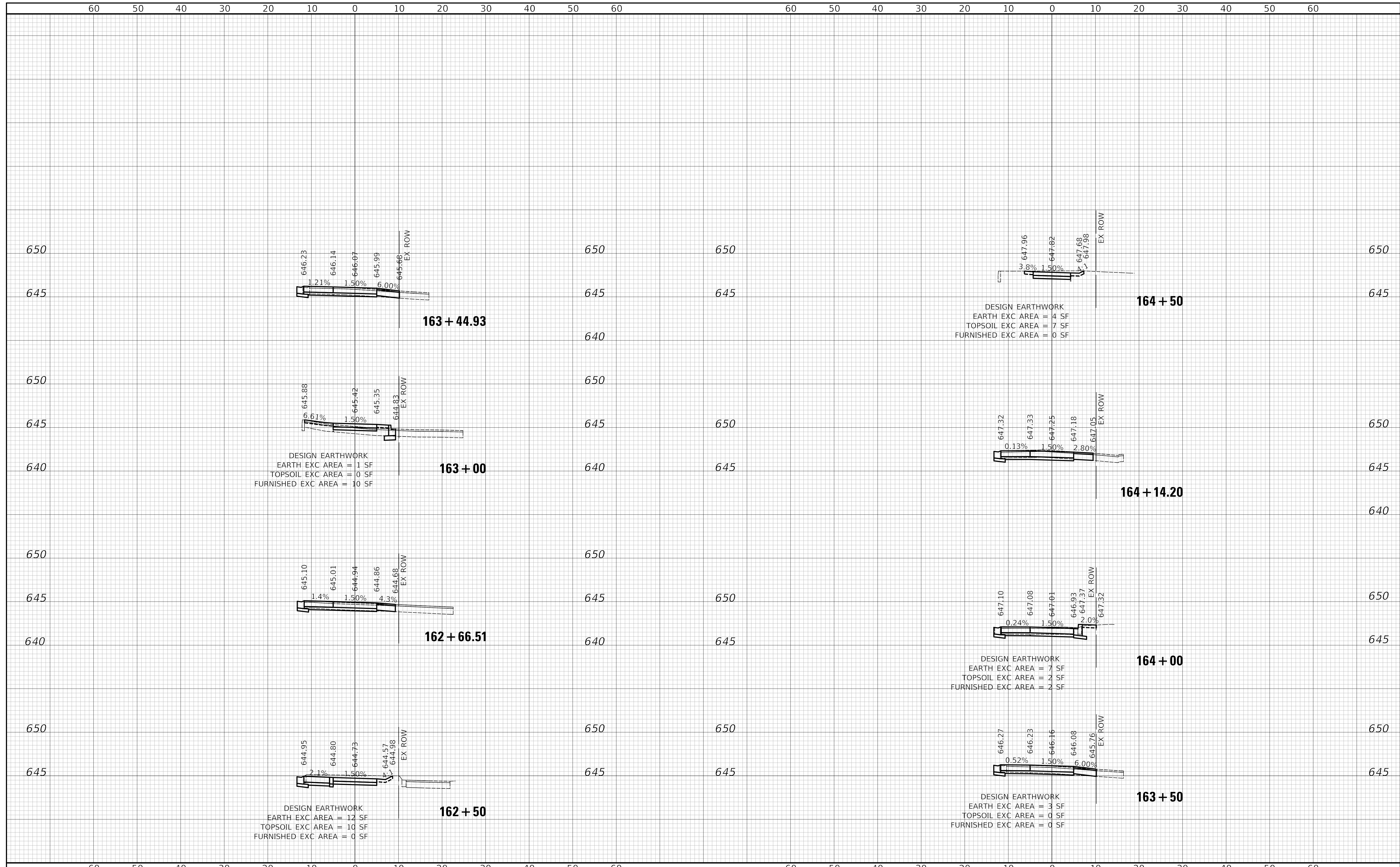
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 17 OF 37 SHEETS STA. 159+50 TO STA. 162+00

F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 136
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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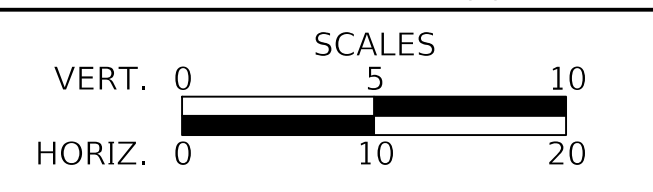


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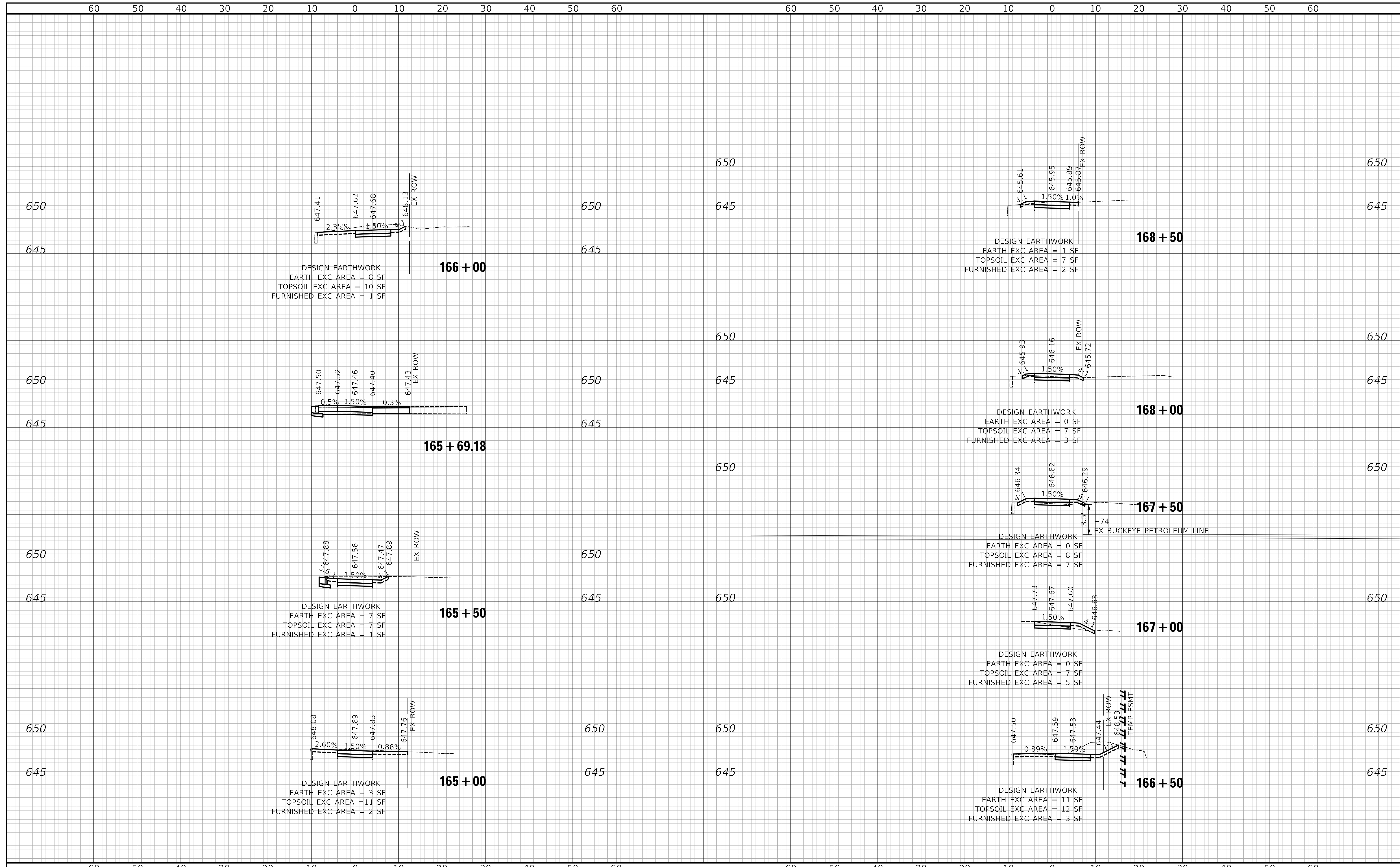
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 18 OF 37 SHEETS STA. 162+50 TO STA. 164+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	137
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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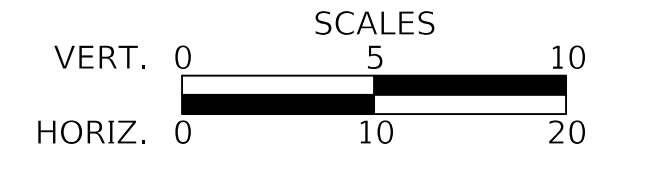
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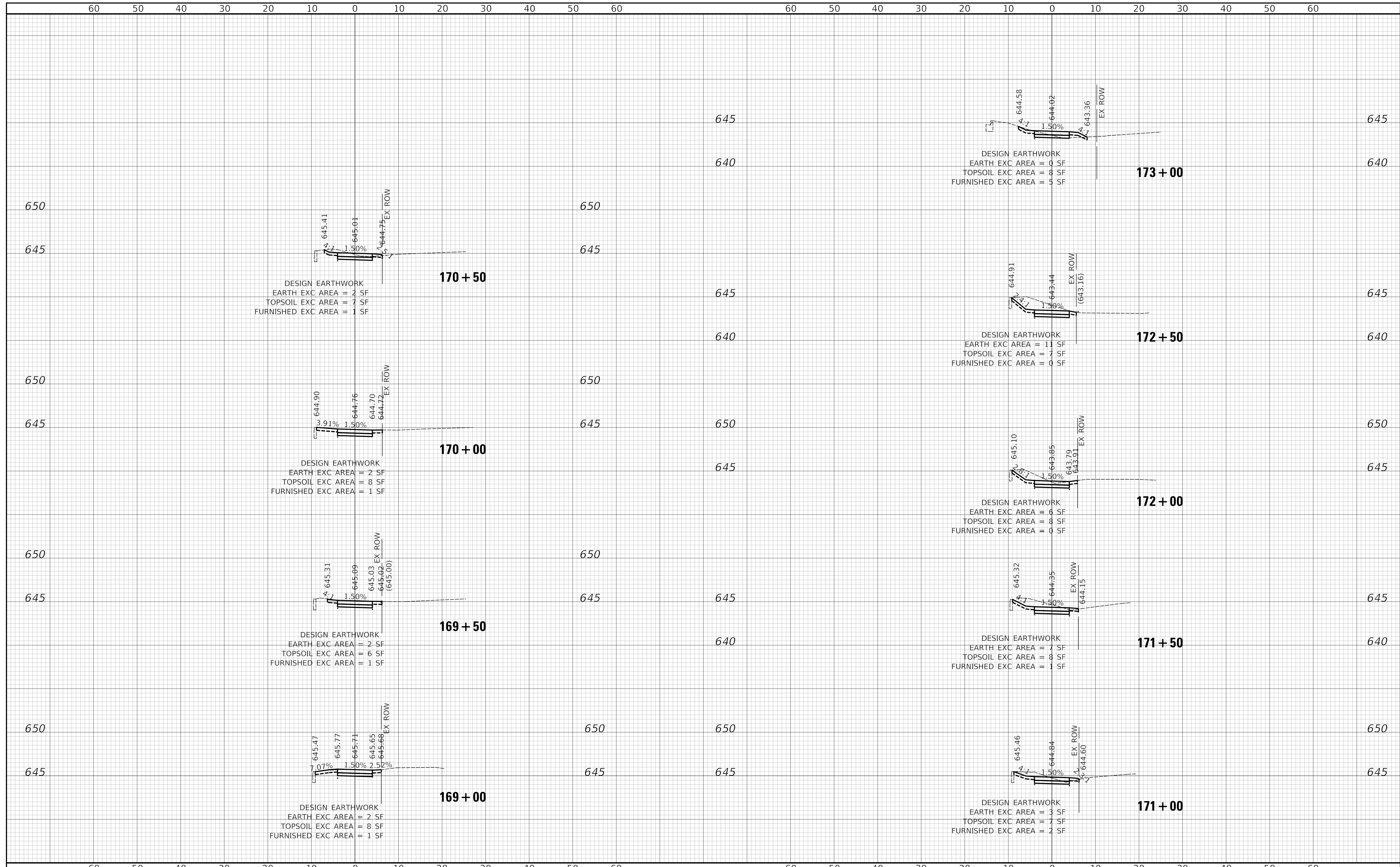
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 19 OF 37 SHEETS STA. 165+00 TO STA. 168+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	138
				CONTRACT NO. 61G57
				ILLINOIS FED. AID PROJECT

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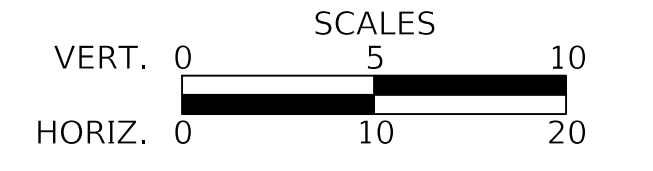
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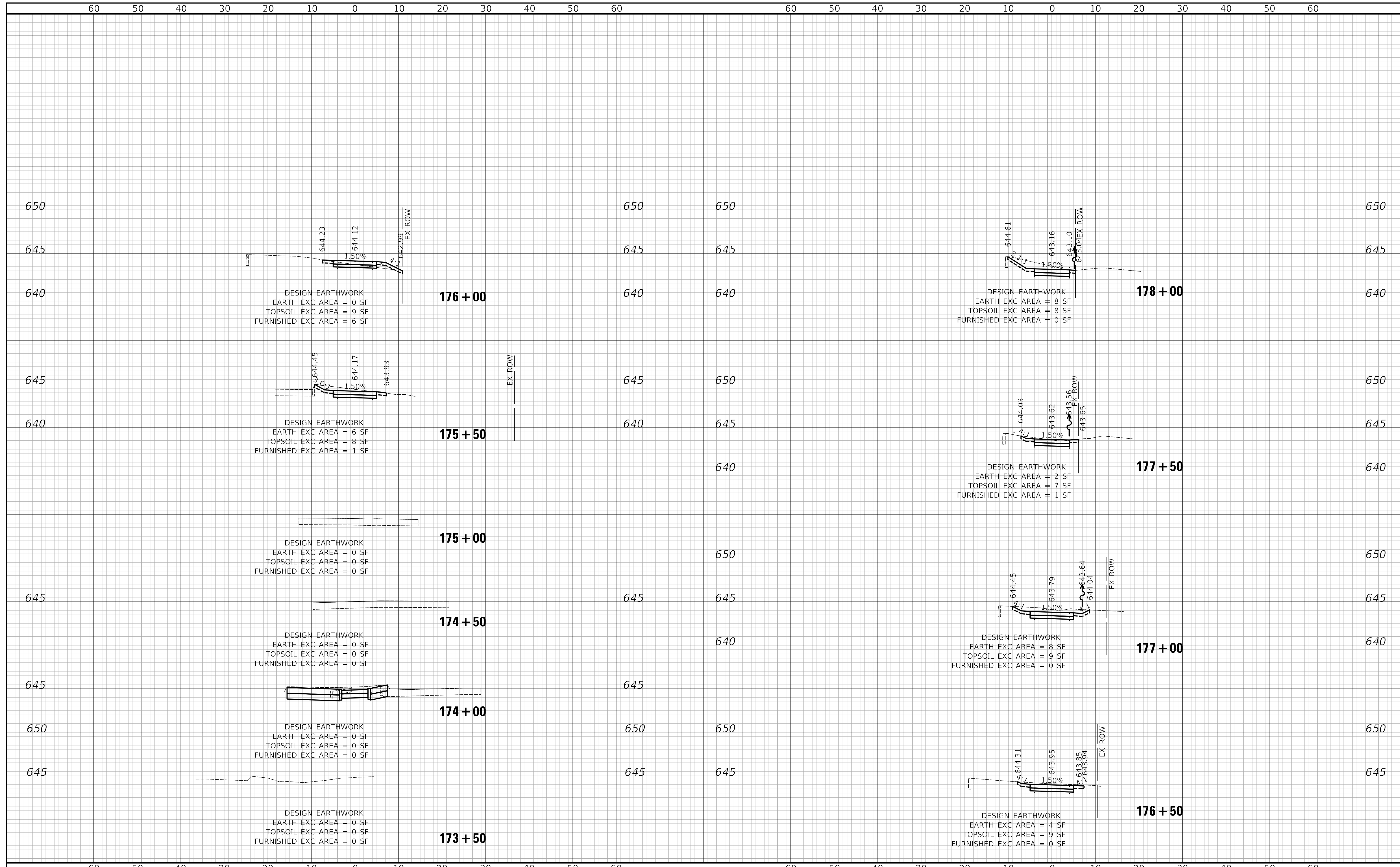
**RAND ROAD SIDEPATH
 CROSS SECTIONS**

SHEET 20 OF 37 SHEETS STA. 169+00 TO STA. 173+00

F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 139
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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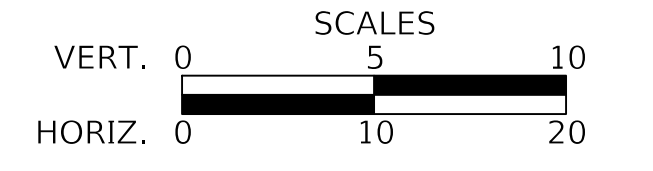
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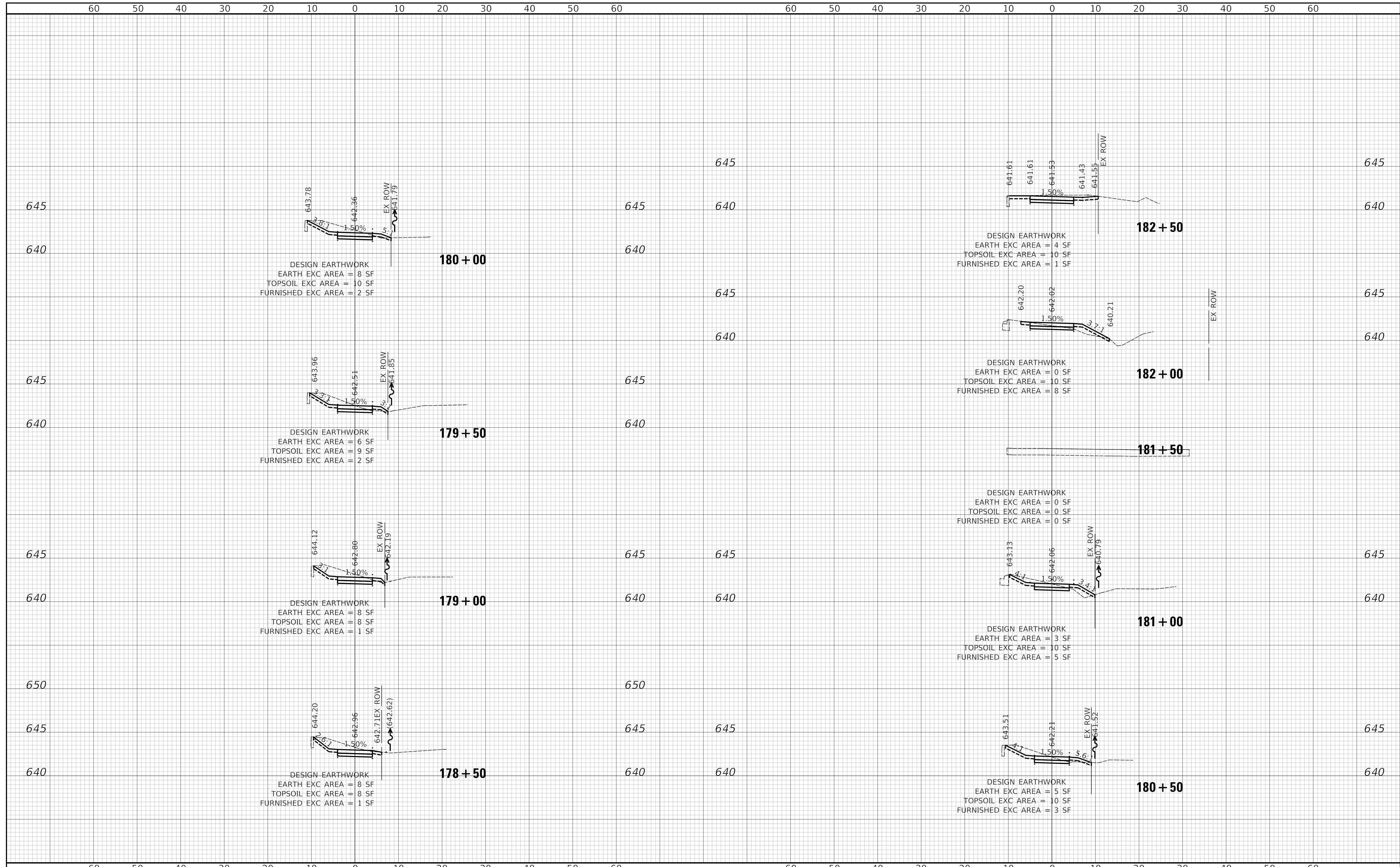
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 21 OF 37 SHEETS STA. 173+50 TO STA. 178+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	140
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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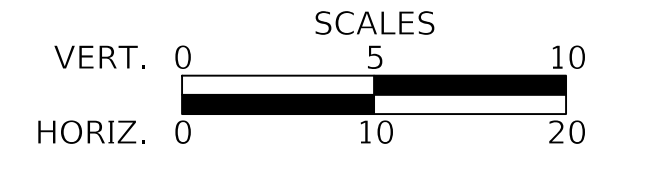


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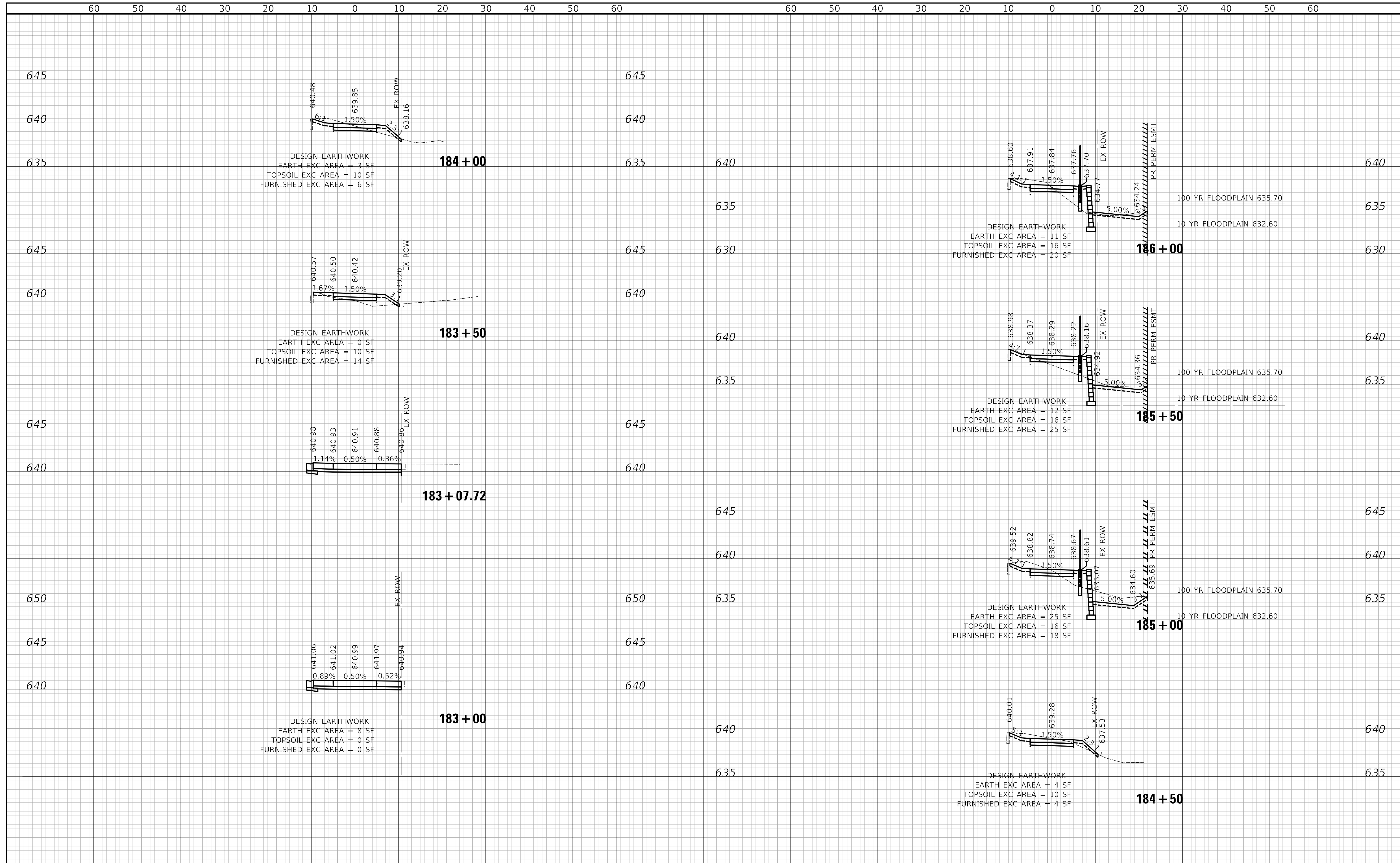
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 22 OF 37 SHEETS STA. 178+50 TO STA. 182+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	141
				CONTRACT NO. 61G57
ILLINOIS FED. AID PROJECT				

DATE	
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SURVEYED	
PLANNED	
DESIGNED	
DRAWN	
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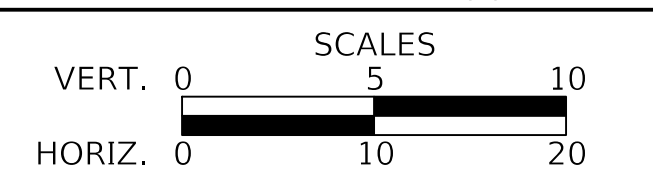


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DATE	-	REVISED	-

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STATE OF ILLINOIS
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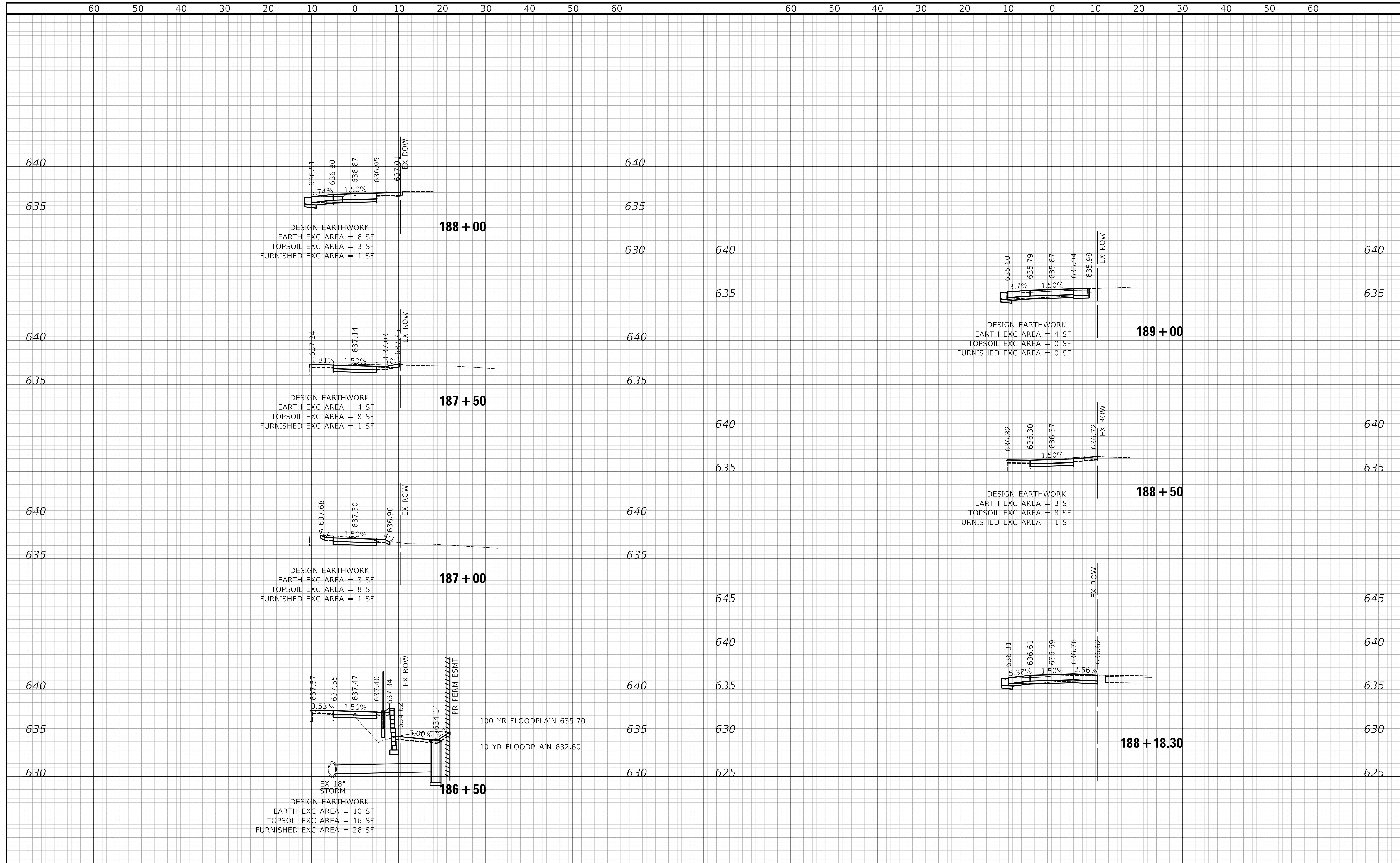
RAND ROAD SIDEWALK
CROSS SECTIONS

SHEET 23 OF 37 SHEETS STA. 183+00 TO STA. 186+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	142
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

DATE	
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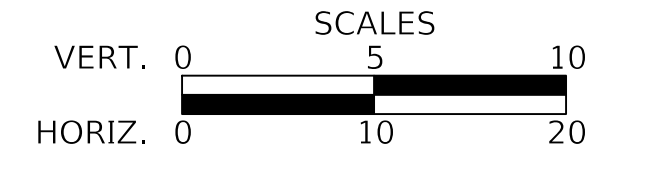
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STRUCTURE NOTATION CHK'D	
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DATE - 12/28/2020	REVISED -

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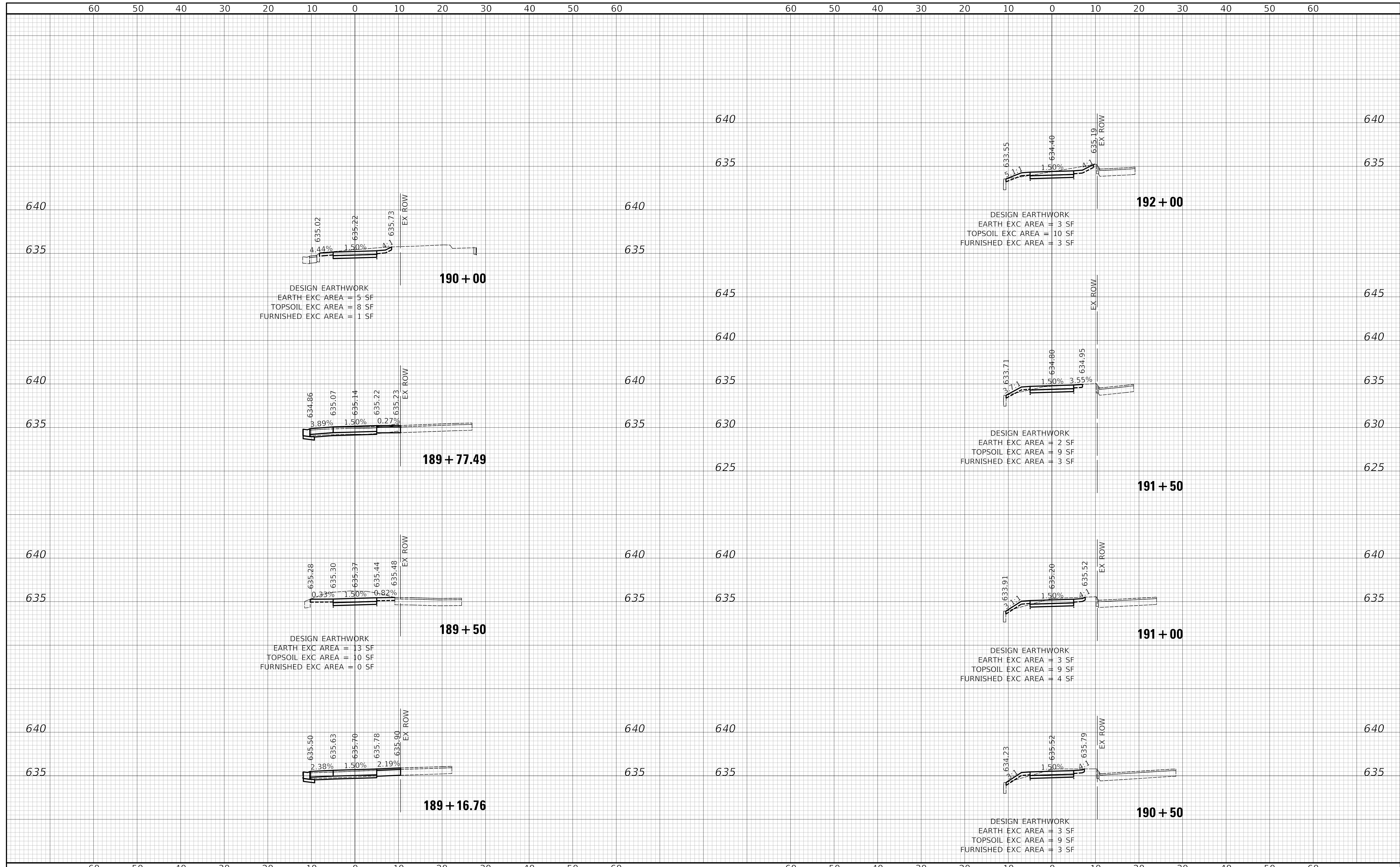
**RAND ROAD SIDEPATH
 CROSS SECTIONS**

SHEET 24 OF 37 SHEETS STA. 186+50 TO STA. 189+00

F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 143
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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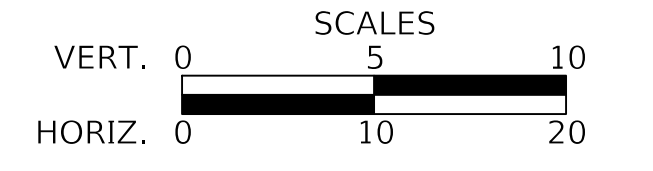


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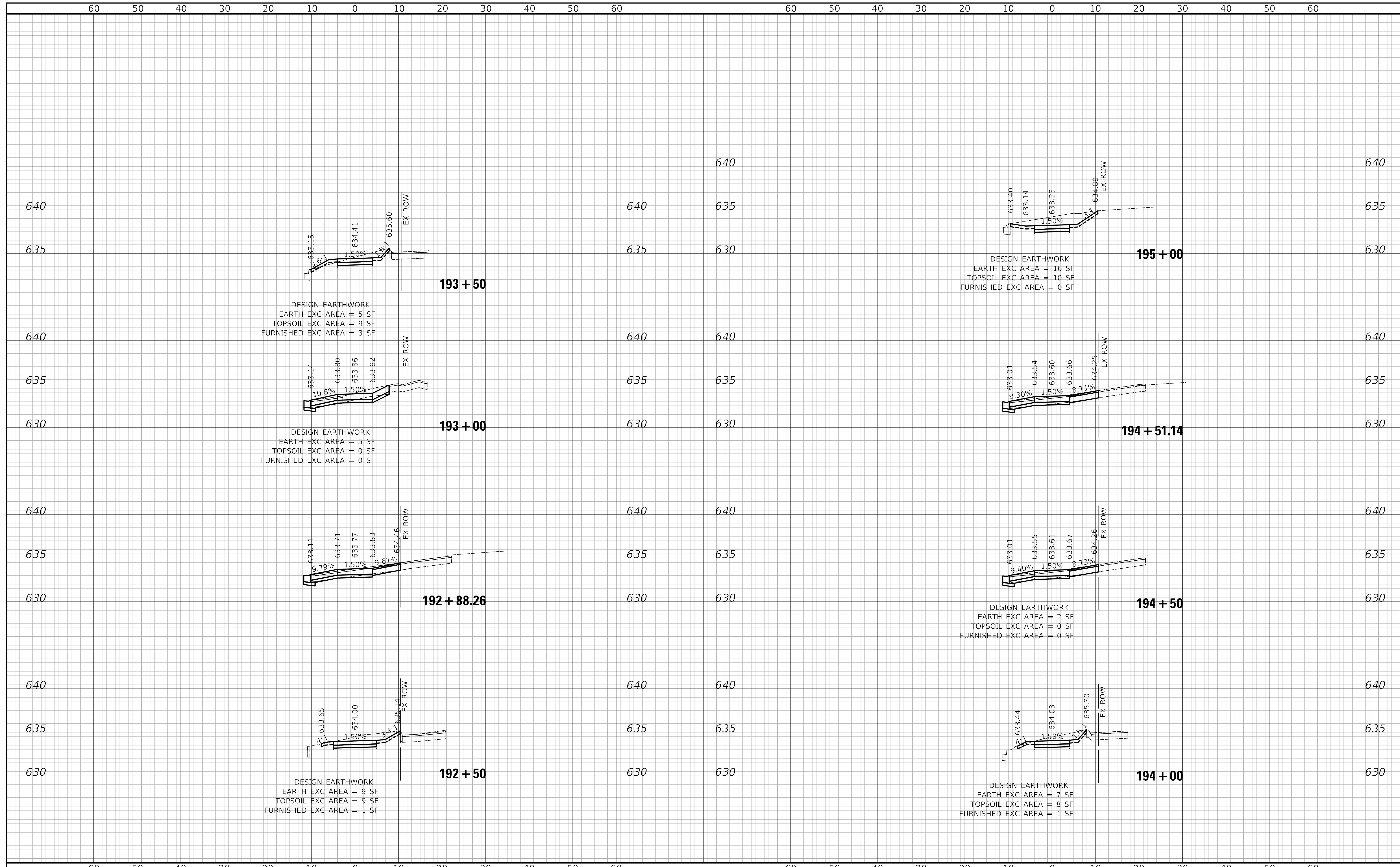
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 25 OF 37 SHEETS STA. 189+16.76 TO STA. 192+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	144
				CONTRACT NO. 61G57
				ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
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	RT. OF WAY CHECKED	
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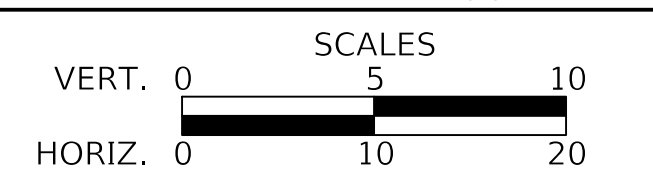
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	PLOTTED	BY
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	B.M. NOTED	
	STRUCTURE NOTATIONS CHK'D	
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DATE	- 12/28/2020	REVISED	-

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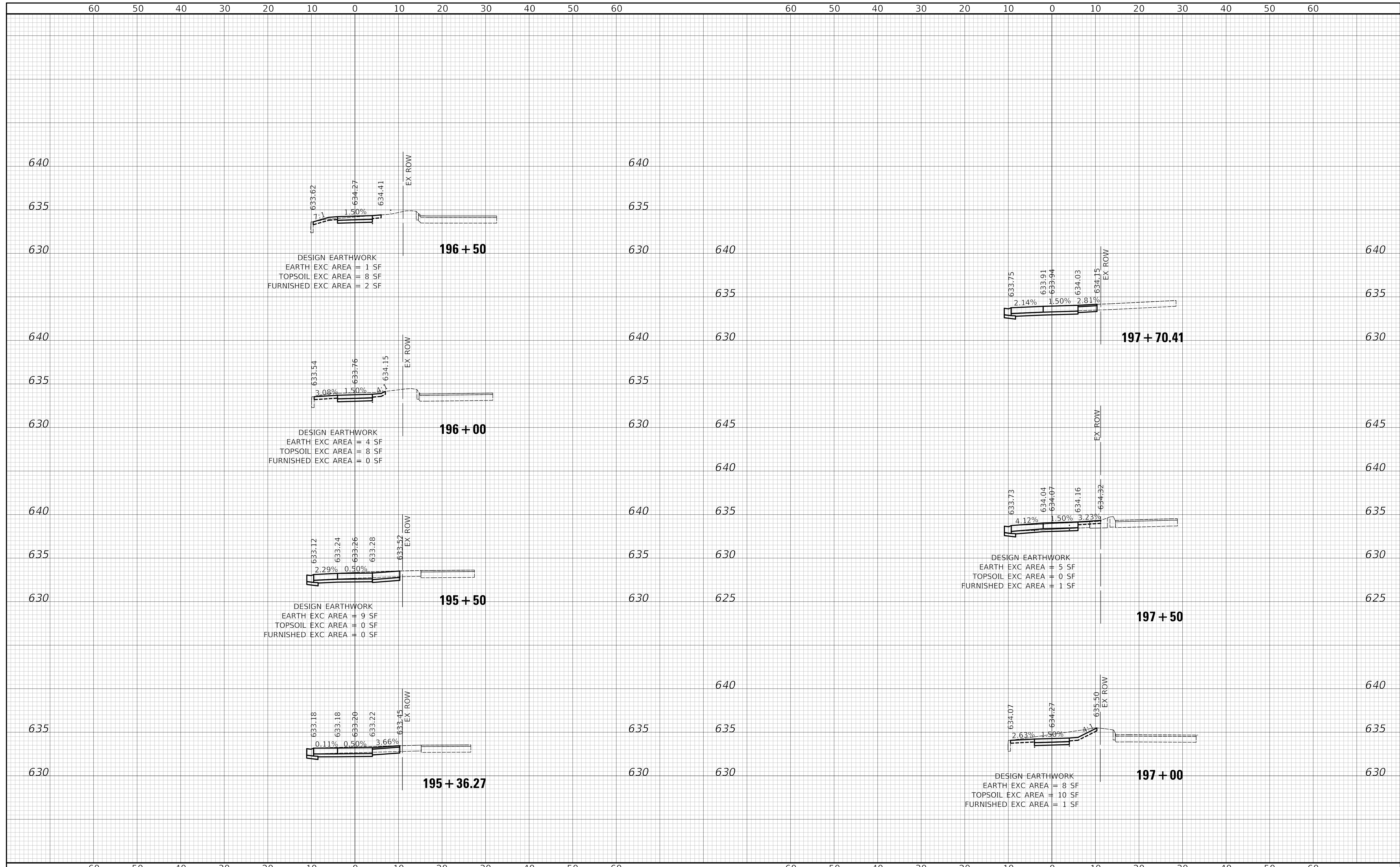
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 26 OF 37 SHEETS STA. 192+50 TO STA. 195+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	145
				CONTRACT NO. 61G57
ILLINOIS FED. AID PROJECT				

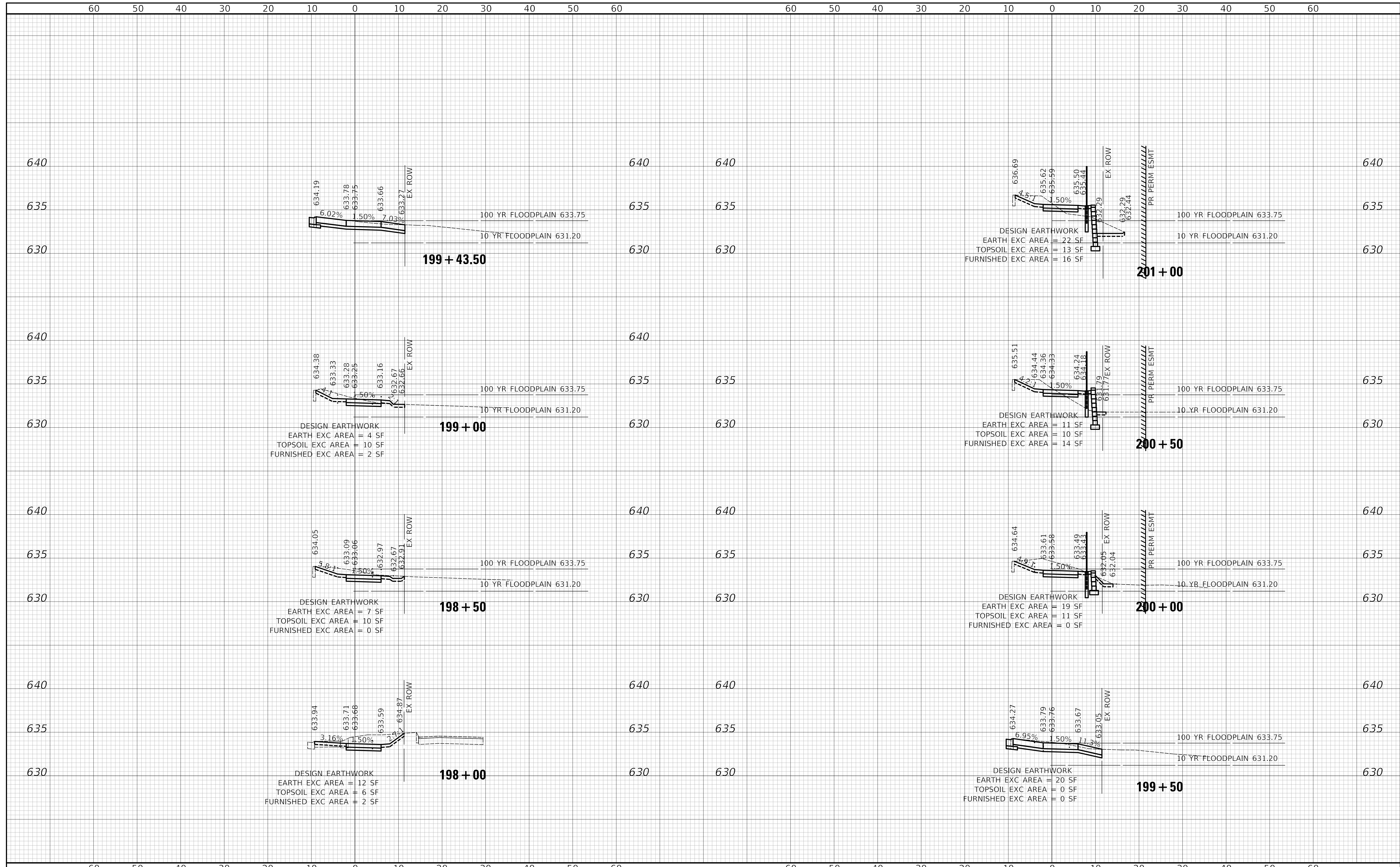
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STRUCTURE NOTATIONS CHK'D	
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NOTE BOOK NO.	



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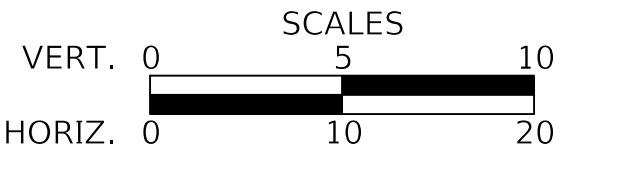
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DATE	- 12/28/2020	REVISED	-

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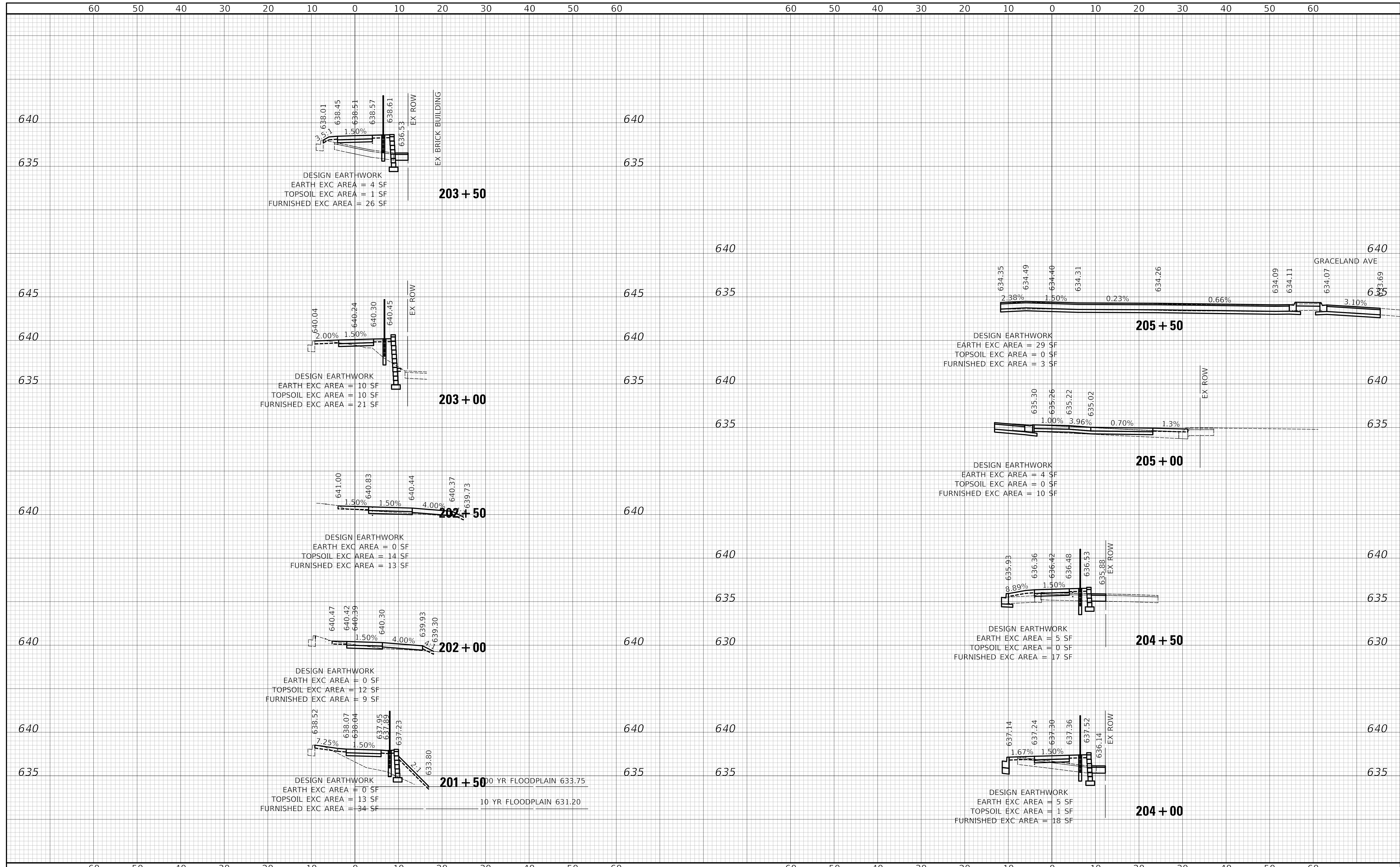
**RAND ROAD SIDEPATH
 CROSS SECTIONS**

SHEET 28 OF 37 SHEETS STA. 198+00 TO STA. 201+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	147
				CONTRACT NO. 61G57
				ILLINOIS FED. AID PROJECT

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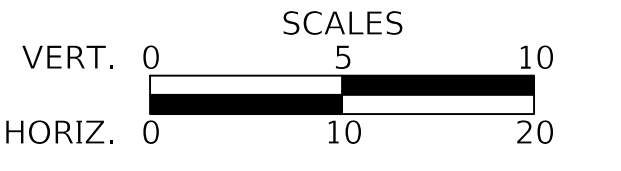
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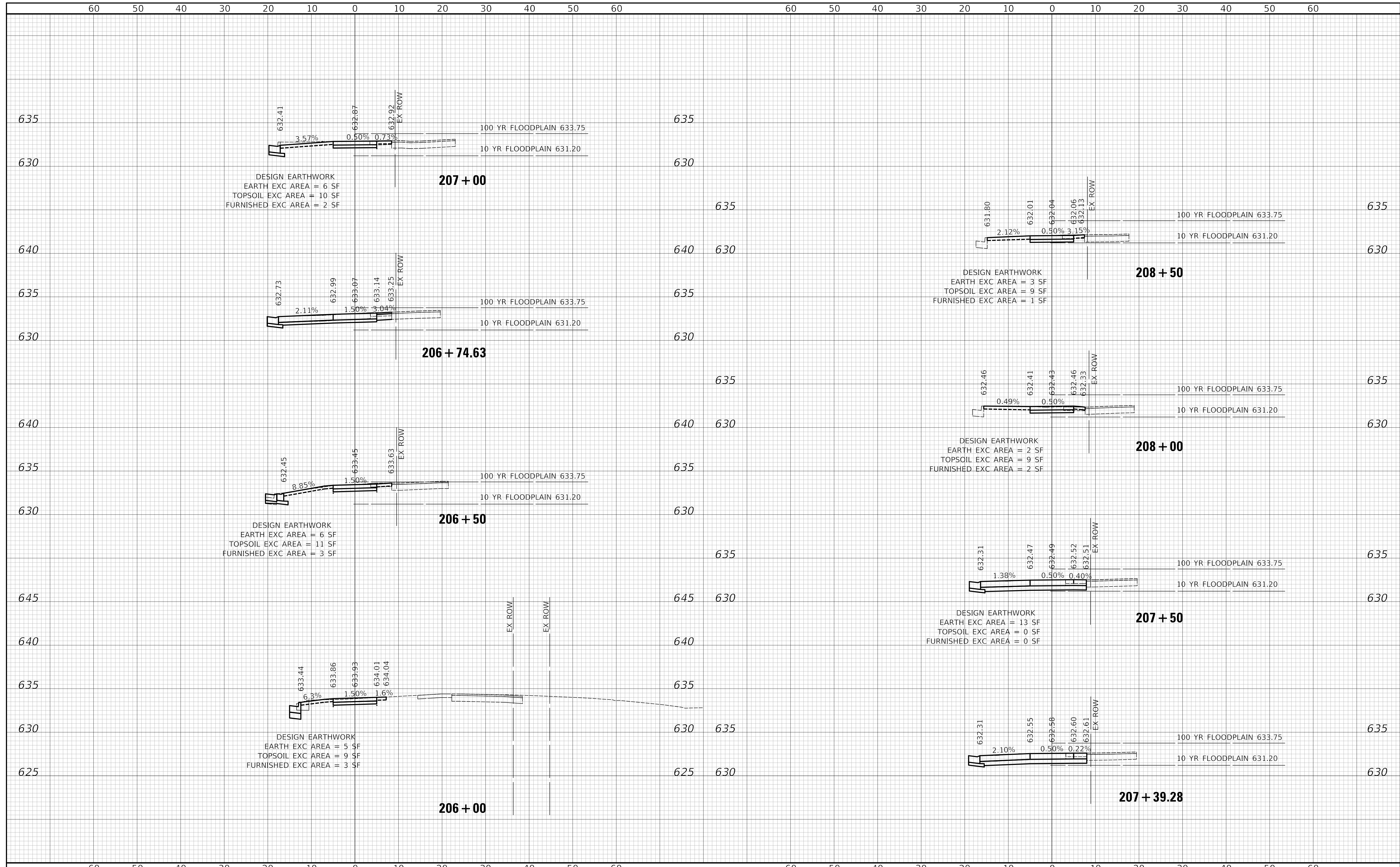
RAND ROAD SIDEPATH
 CROSS SECTIONS

SHEET 29 OF 37 SHEETS STA. 201+50 TO STA. 205+50

F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 148
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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RT. OF WAY CHECKED	
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PROFILE	
NOTE BOOK NO.	

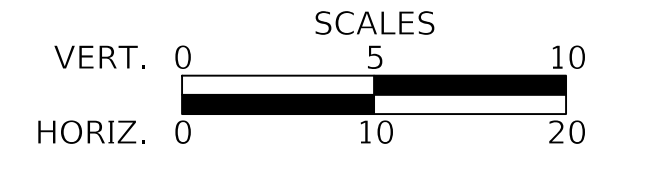


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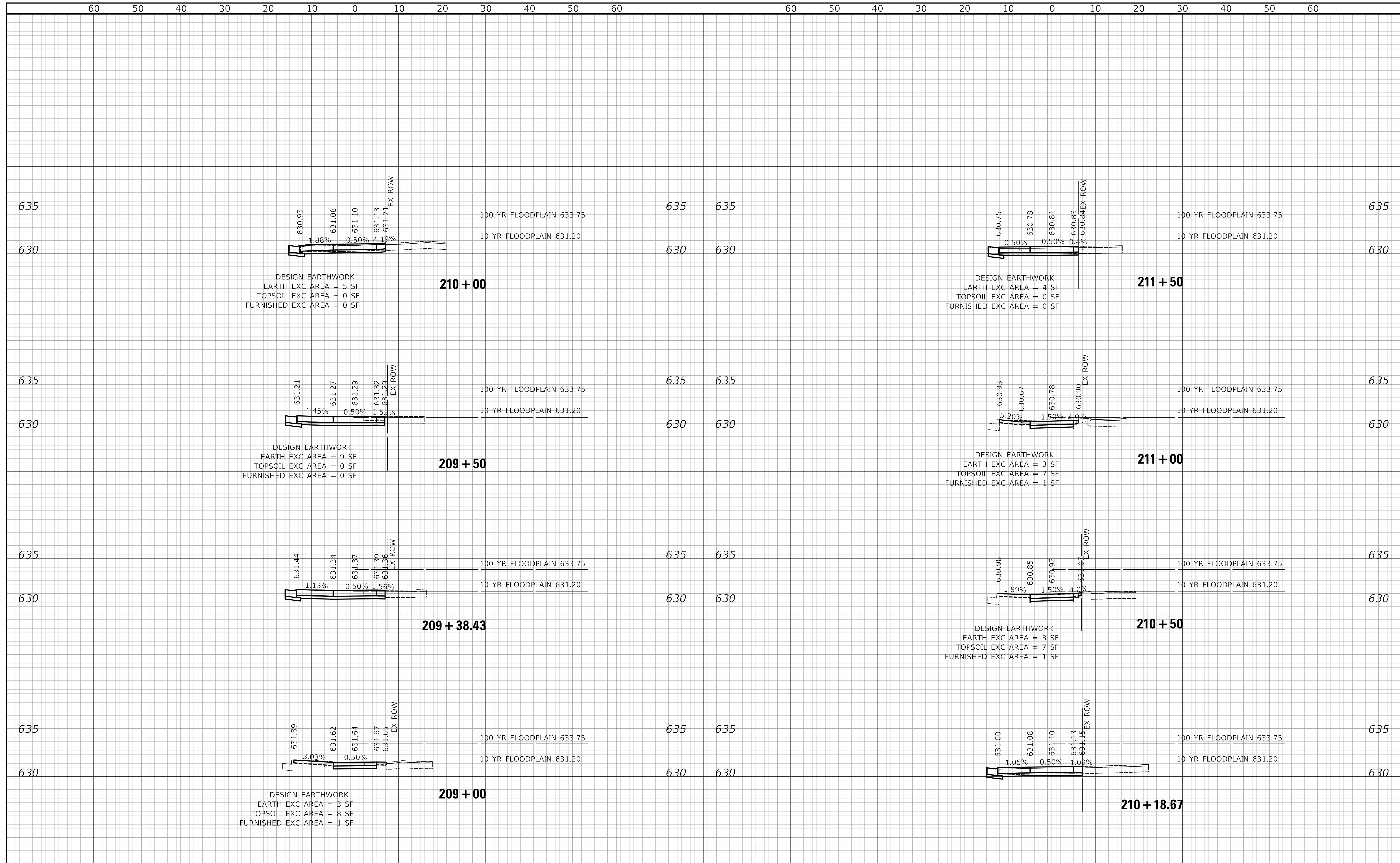
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 30 OF 37 SHEETS STA. 206+00 TO STA. 208+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	149
				CONTRACT NO. 61G57
				ILLINOIS FED. AID PROJECT

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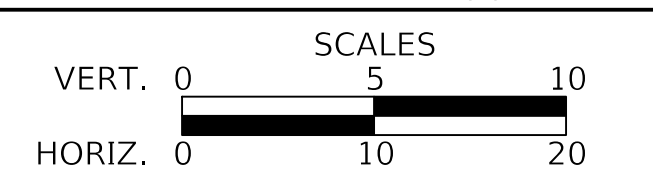
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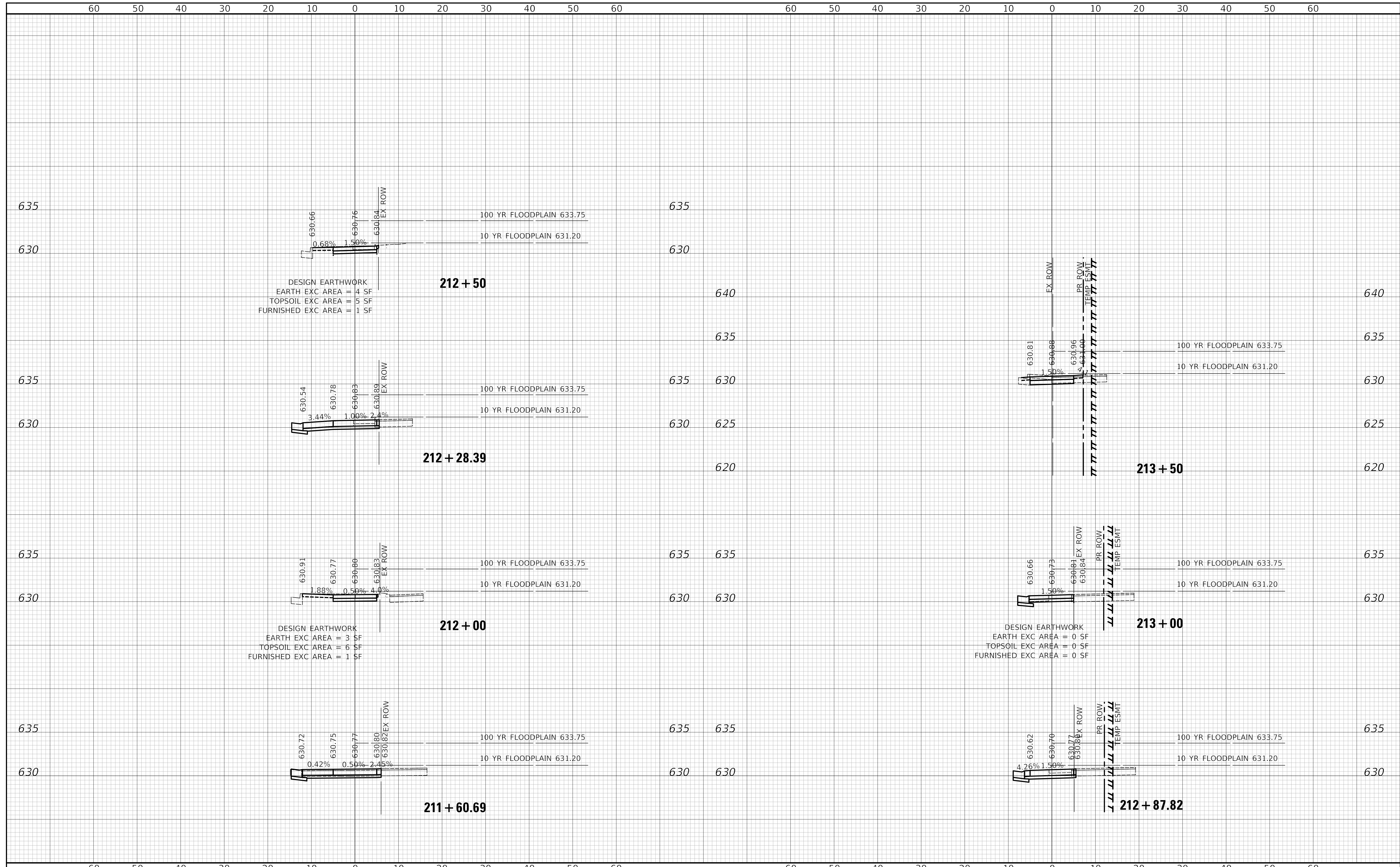
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 31 OF 37 SHEETS STA. 209+00 TO STA. 211+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	150
				CONTRACT NO. 61G57
				ILLINOIS FED. AID PROJECT

DATE	
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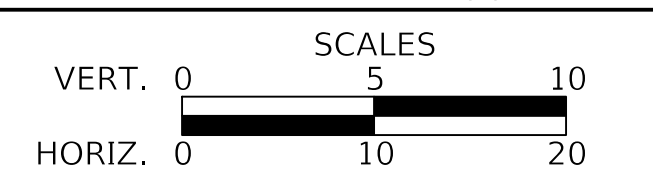
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STRUCTURE NOTATIONS CHK'D	



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DATE	- 12/28/2020	REVISED	-

**STATE OF ILLINOIS
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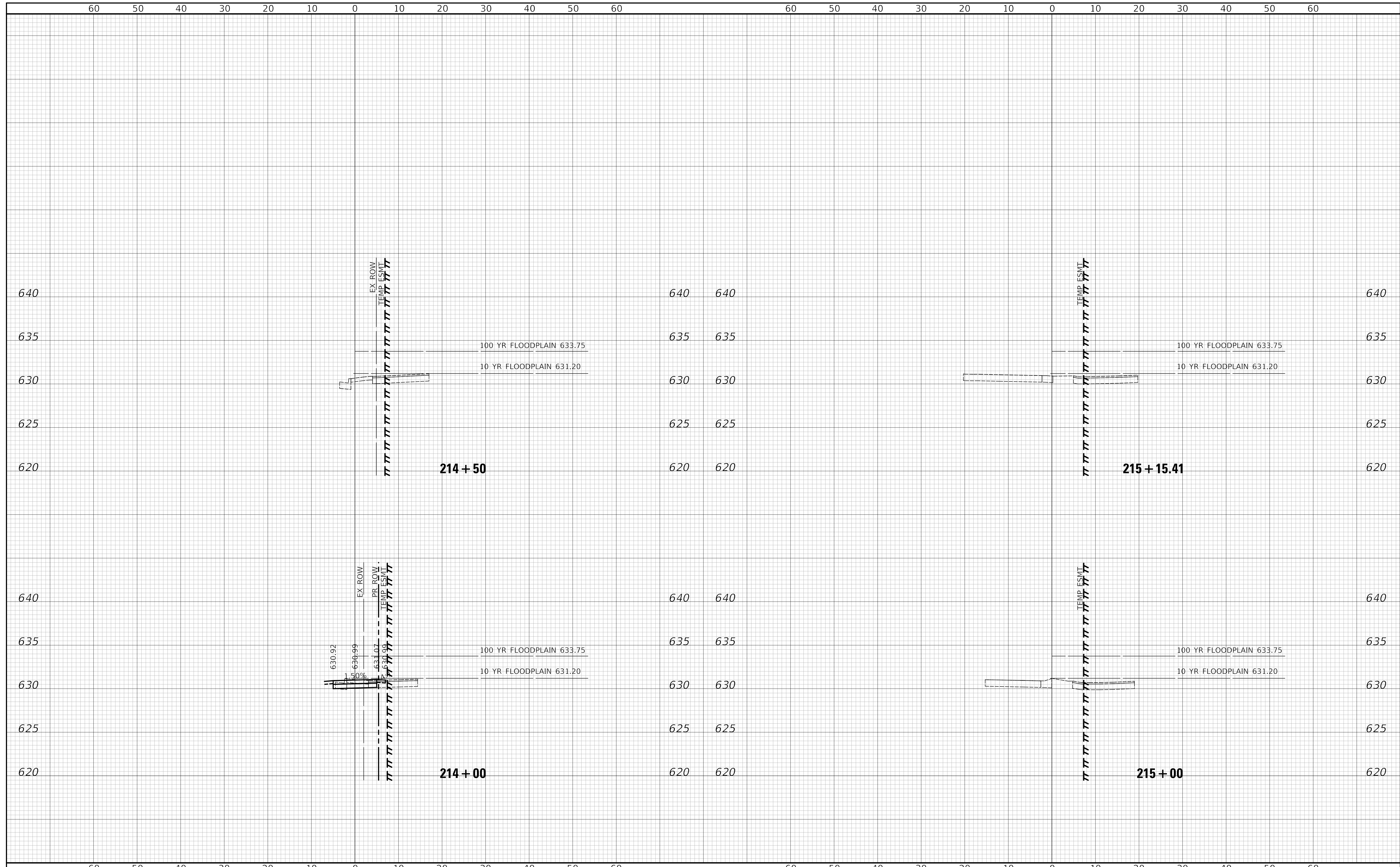
**RAND ROAD SIDEPATH
 CROSS SECTIONS**

SHEET 32 OF 37 SHEETS STA. 211+60.69 TO STA. 213+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	151
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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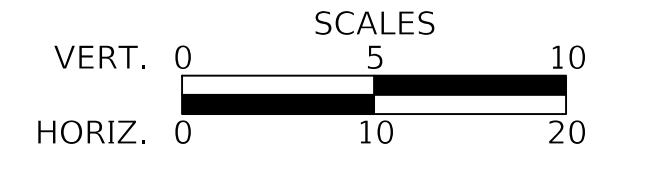
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	STRUCTURE NOTATION CHKD	
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DATE - 12/28/2020	REVISED -

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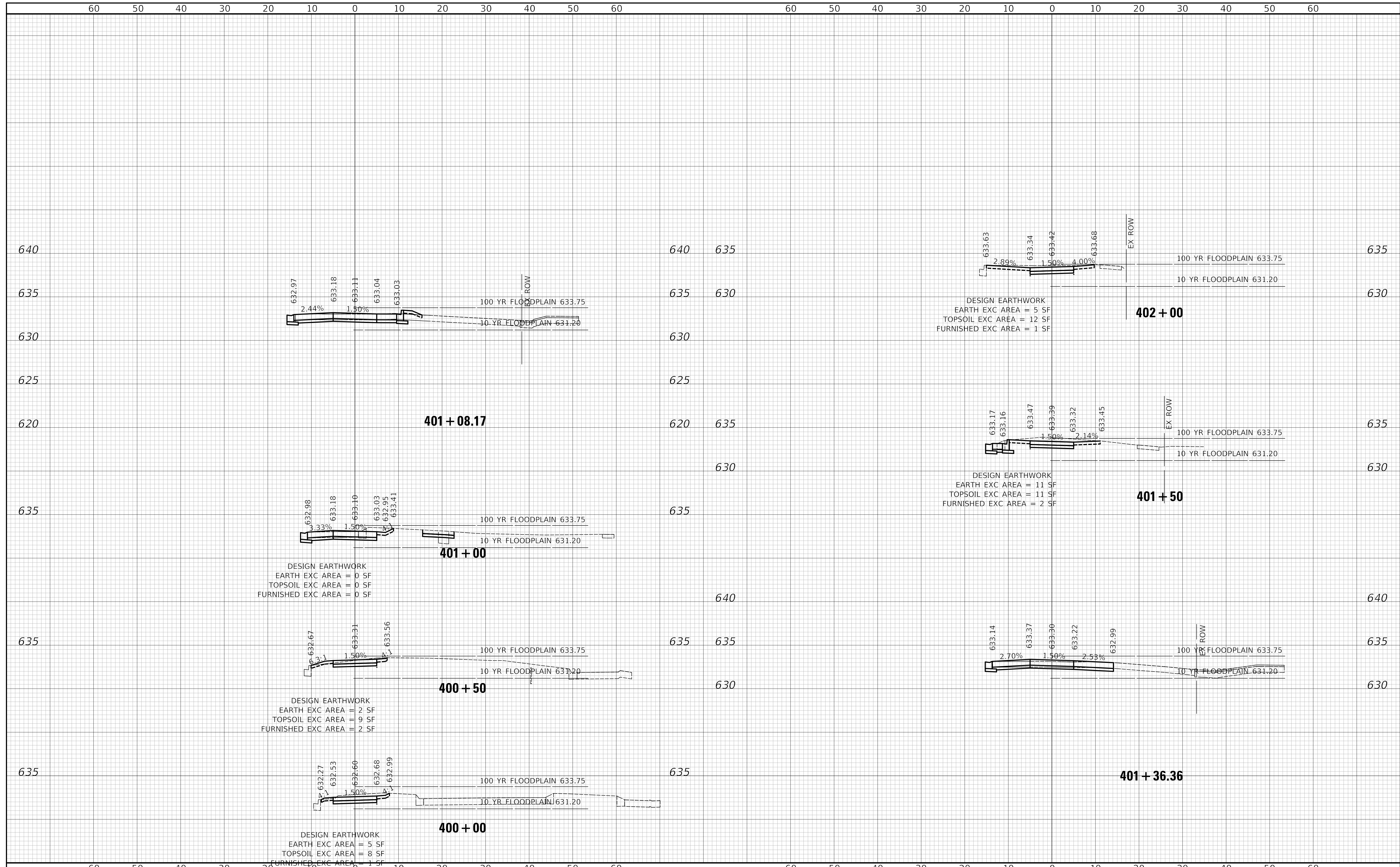
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 33 OF 37 SHEETS STA. 214+00 TO STA. 215+15.41

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	152
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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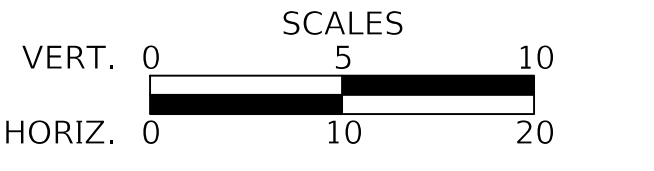
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	STRUCTURE NOTATIONS CHK'D	
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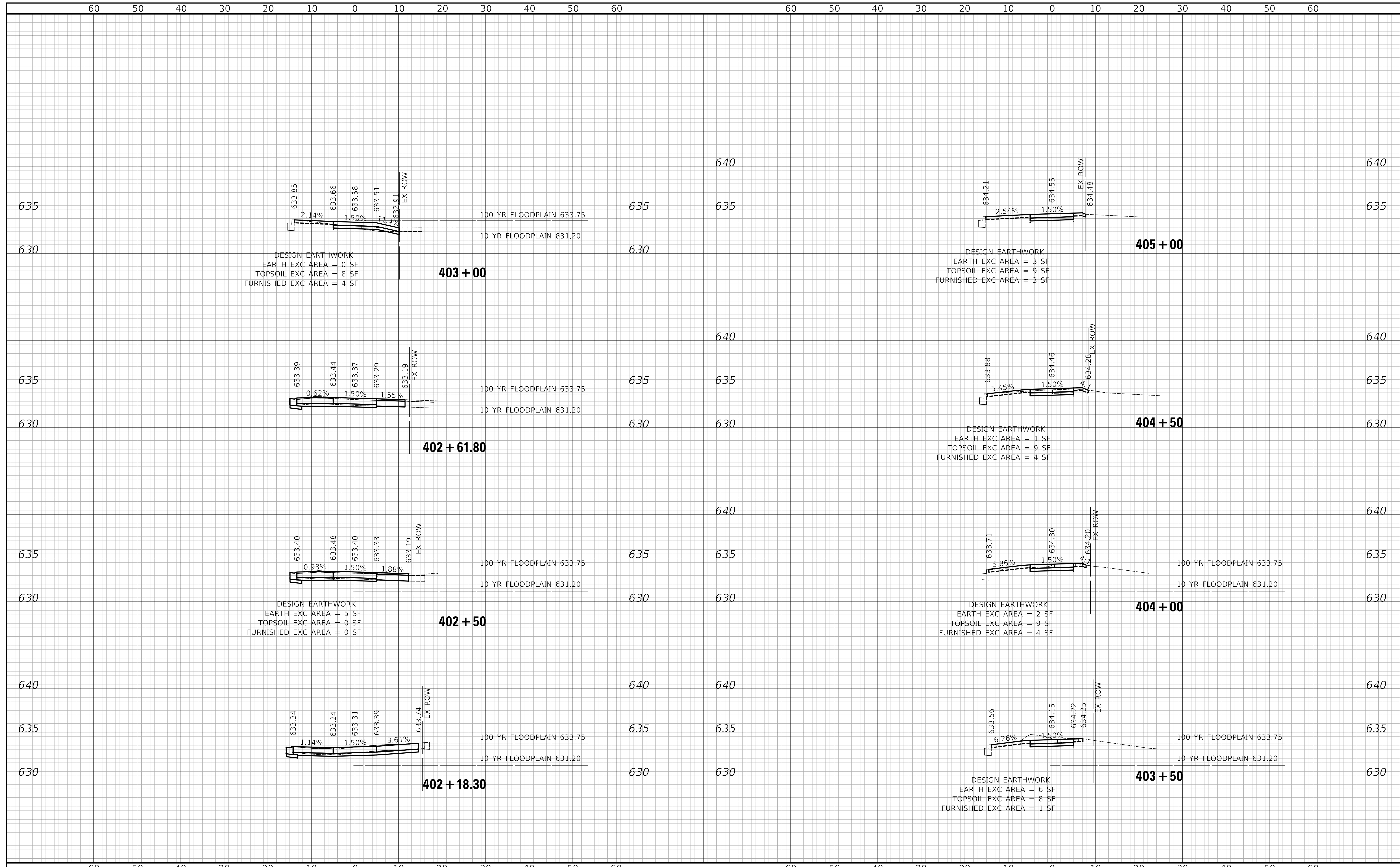
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 34 OF 37 SHEETS STA. 400+00 TO STA. 402+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	153
				CONTRACT NO. 61G57
				ILLINOIS FED. AID PROJECT

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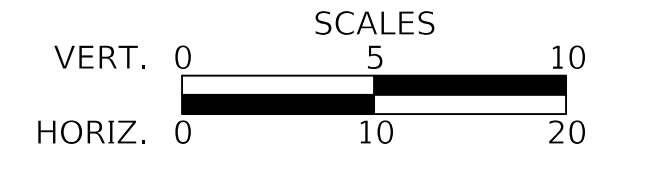
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NOTE BOOK NO.	
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DATE	- 12/28/2020	REVISED	-

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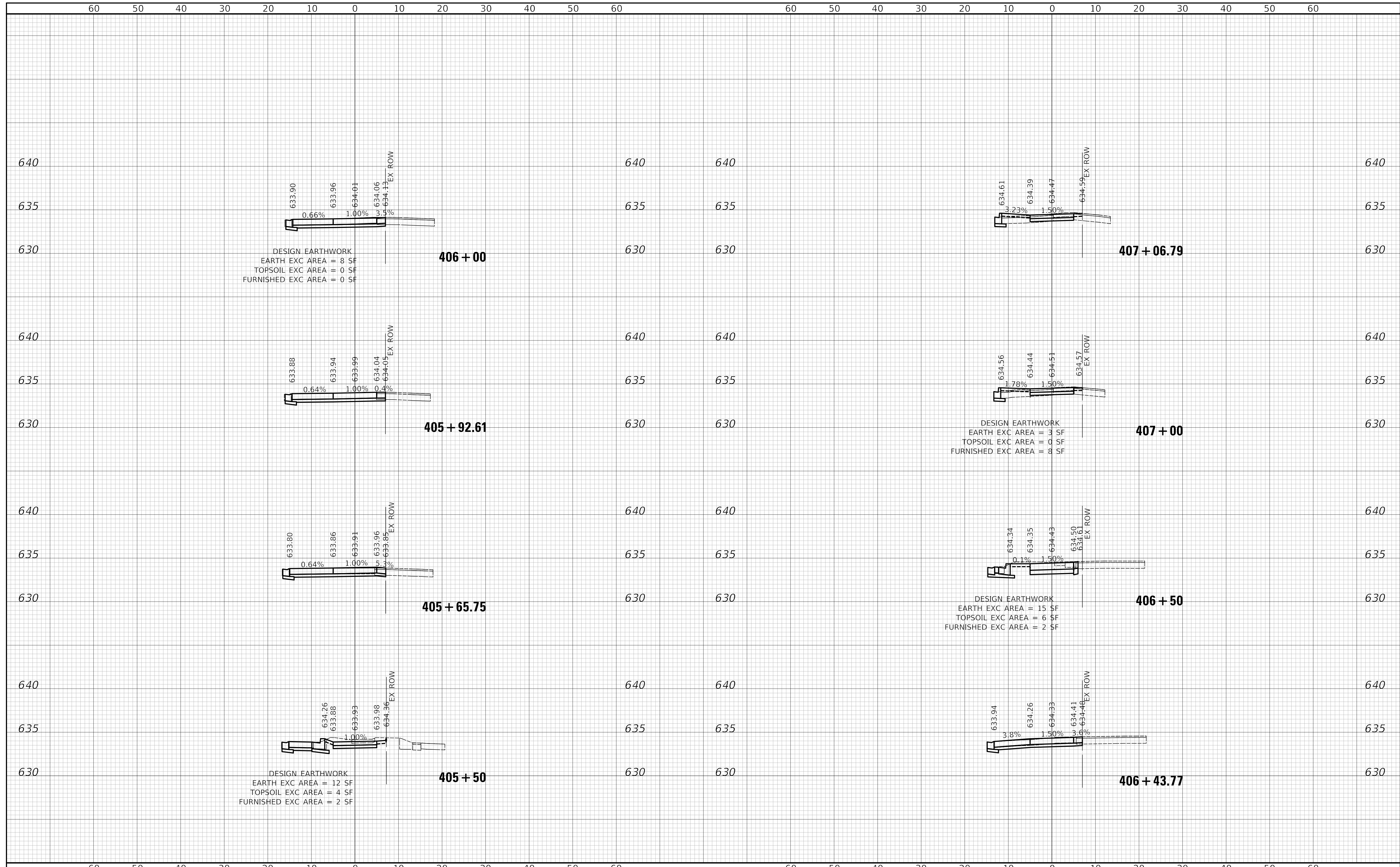
RAND ROAD SIDEPATH
CROSS SECTIONS

SHEET 35 OF 37 SHEETS STA. 402+18.30 TO STA. 405+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	154
				CONTRACT NO. 61G57
				ILLINOIS FED. AID PROJECT

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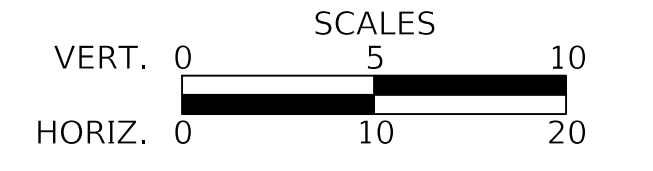
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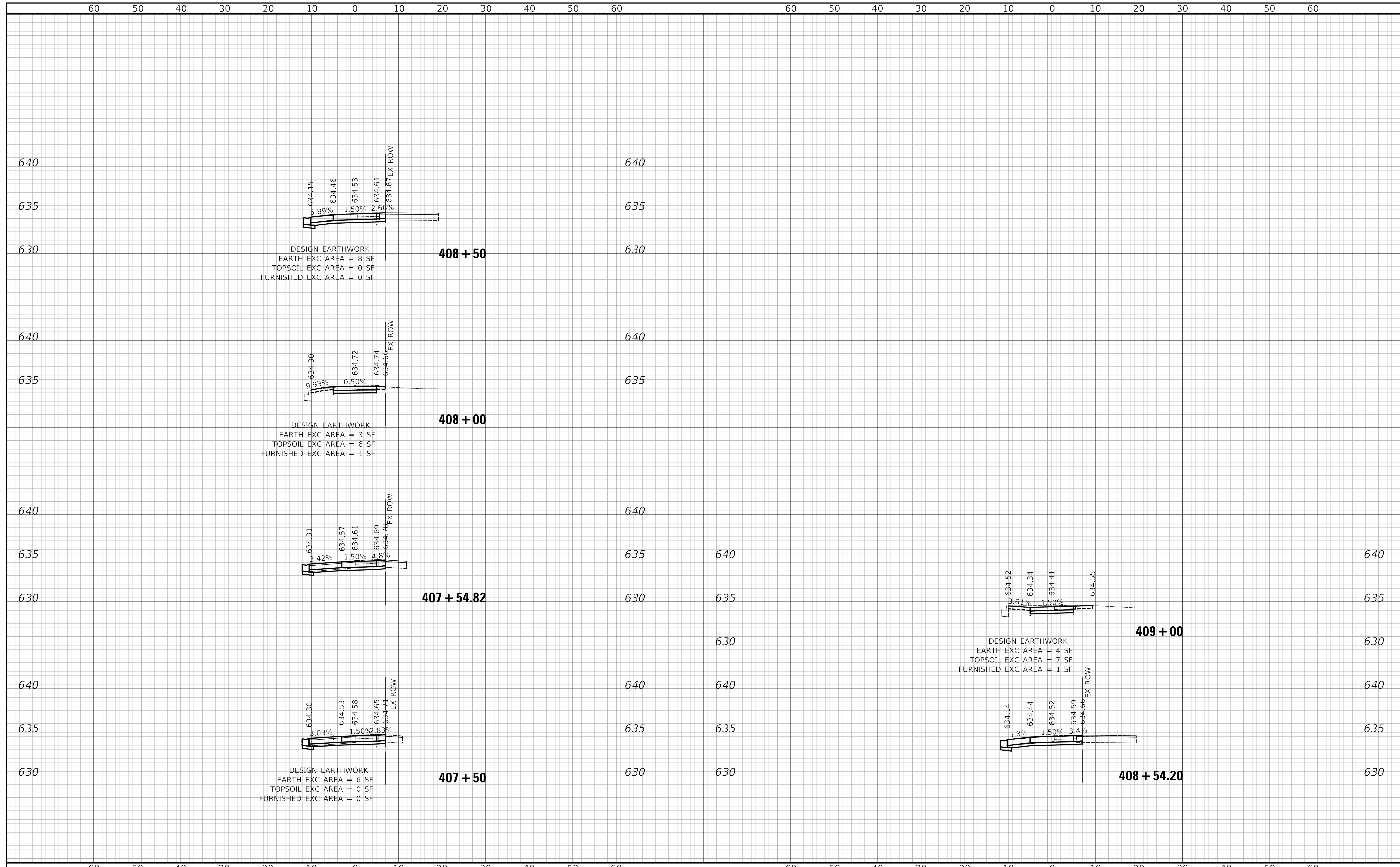
**RAND ROAD SIDEPATH
 CROSS SECTIONS**

SHEET 36 OF 37 SHEETS STA. 405+50 TO STA. 407+06.79

F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 155
CONTRACT NO. 61G57				ILLINOIS FED. AID PROJECT

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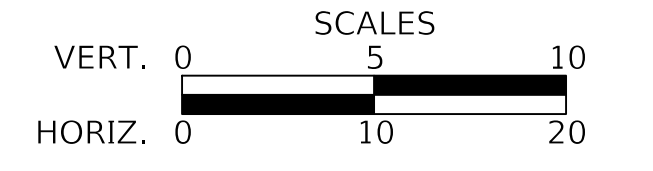
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**RAND ROAD SIDEPATH
CROSS SECTIONS**

SHEET 37 OF 37 SHEETS STA. 407+50 TO STA. 409+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	156
				CONTRACT NO. 61G57
				ILLINOIS FED. AID PROJECT