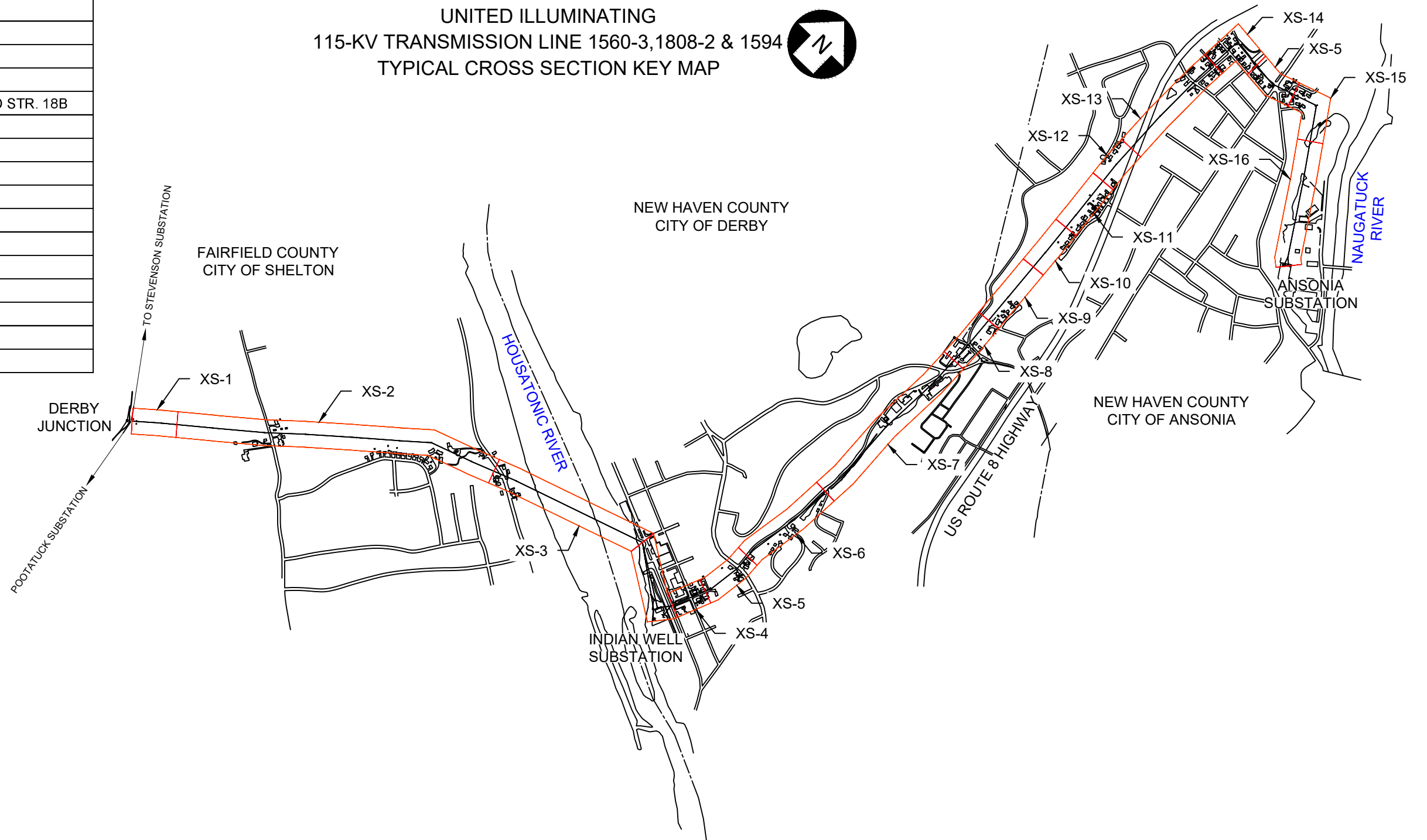


Appendix A.2
TYPICAL CROSS-SECTION DRAWINGS:
DERBY JUNCTION TO ANSONIA 115-kV TRANSMISSION LINE REBUILD PROJECT


DRAWING INDEX	
XS-1	STR. 350
XS-2	STR. 351 TO STR. 358
XS-3	STR. 359 TO STR. 360
XS-4	STR. 2A AND STR. 2B
XS-5	STR. 3A, 3B, 4A, 4B, 18A, AND STR. 18B
XS-6	STR. 5 TO STR. 6
XS-7	STR. 7 TO STR. 9
XS-8	STR. 10
XS-9	STR. 11
XS-10	STR. 12
XS-11	STR. 13
XS-12	STR. 14
XS-13	STR. 15 TO STR. 16
XS-14	STR. 17A AND STR. 17B
XS-15	STR. 19A AND STR. 19B
XS-16	STR. 20 TO STR. 21

UNITED ILLUMINATING
 115-KV TRANSMISSION LINE 1560-3, 1808-2 & 1594
 TYPICAL CROSS SECTION KEY MAP



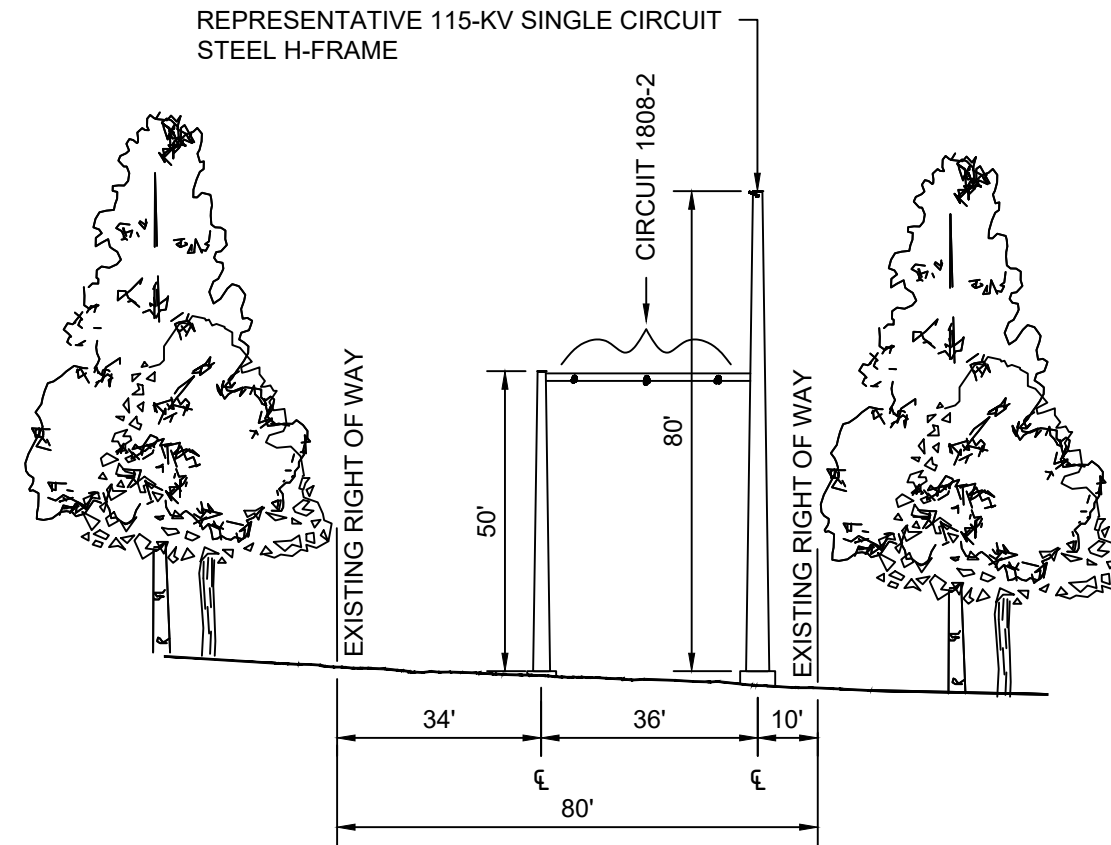
CONCEPTUAL - NOT FOR CONSTRUCTION

ANSI B 4/18/2022

AVANGRID ENGINEERING						 UI AVANGRID		TYPICAL CROSS SECTION DIAGRAMS		
						115-KV TRANSMISSION LINE 1560-3, 1808-2 & 1594				
						UI DERBY JUNCTION - ANSONIA REBUILD PROJECT				
						BY	HMS	SCALE: NTS	FILE:	
						CK	SKK	NO.		
						APP	JRD			
REV	DESCRIPTION	DATE	BY	CK	APP	DATE: 04/18/2022	KEY MAP		REV	0-0A


NOTES:

1. EXISTING VEGETATION WITHIN THE UI ROW VARIES BY LOCATION. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
2. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 40'-0" FROM EACH STRUCTURE CENTER (32'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE UI ROW BOUNDARY IS LESS THAN 40'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSED TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL PERMANENT EASEMENT LOCATIONS.
3. WIDTH OF ROW (EXISTING AND PROPOSED) WILL BE SUBJECT TO UI VEGETATION MANAGEMENT.



PROPOSED CONFIGURATION
 REBUILT 115-KV LINES; NEW STRUCTURE FOR
 RECONNECTION OF CIRCUIT 1808-2 TO DERBY JUNCTION

CONCEPTUAL - NOT FOR CONSTRUCTION

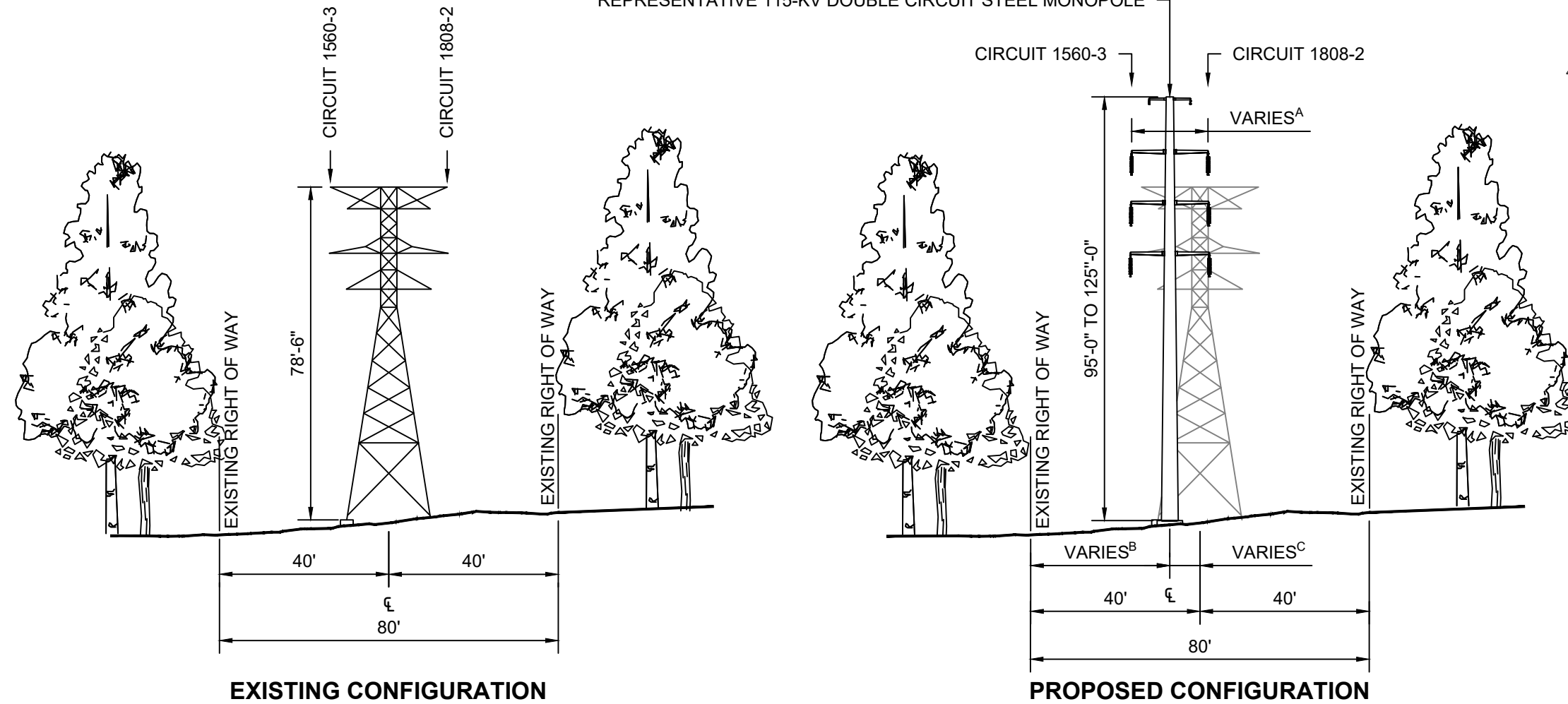
AVANGRID ENGINEERING								TYPICAL CROSS SECTION DIAGRAMS				
								LOOKING EAST TOWARDS MEADOW STREET				
								STR. 350				
								CITY OF SHELTON		FAIRFIELD COUNTY		
								BY HMS		SCALE: NTS		FILE:
								CK SKK		NO.		REV
								APP JRD		XS-1		0-0A
								DATE: 04/18/2022				
0-0A	ISSUED FOR REVIEW	04/18/2022	HMS	SKK	JRD							
REV	DESCRIPTION	DATE	BY	CK	APP							

ANSI B 4/18/2022

NOTES:

1. DEPICTED STRUCTURES ARE STEEL DEADEND STRUCTURES. TANGENT STRUCTURES WILL DIFFER WITH RESPECT TO WIRE ATTACHMENT CONFIGURATION.
2. EXISTING VEGETATION WITHIN THE UI ROW VARIES BY LOCATION. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
3. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 40'-0" FROM EACH STRUCTURE CENTER (32'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE UI ROW BOUNDARY IS LESS THAN 40'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSED TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL PERMANENT EASEMENT LOCATIONS.
4. WIDTH OF ROW (EXISTING AND PROPOSED) WILL BE SUBJECT TO UI VEGETATION MANAGEMENT.

REPRESENTATIVE 115-KV DOUBLE CIRCUIT STEEL MONOPOLE



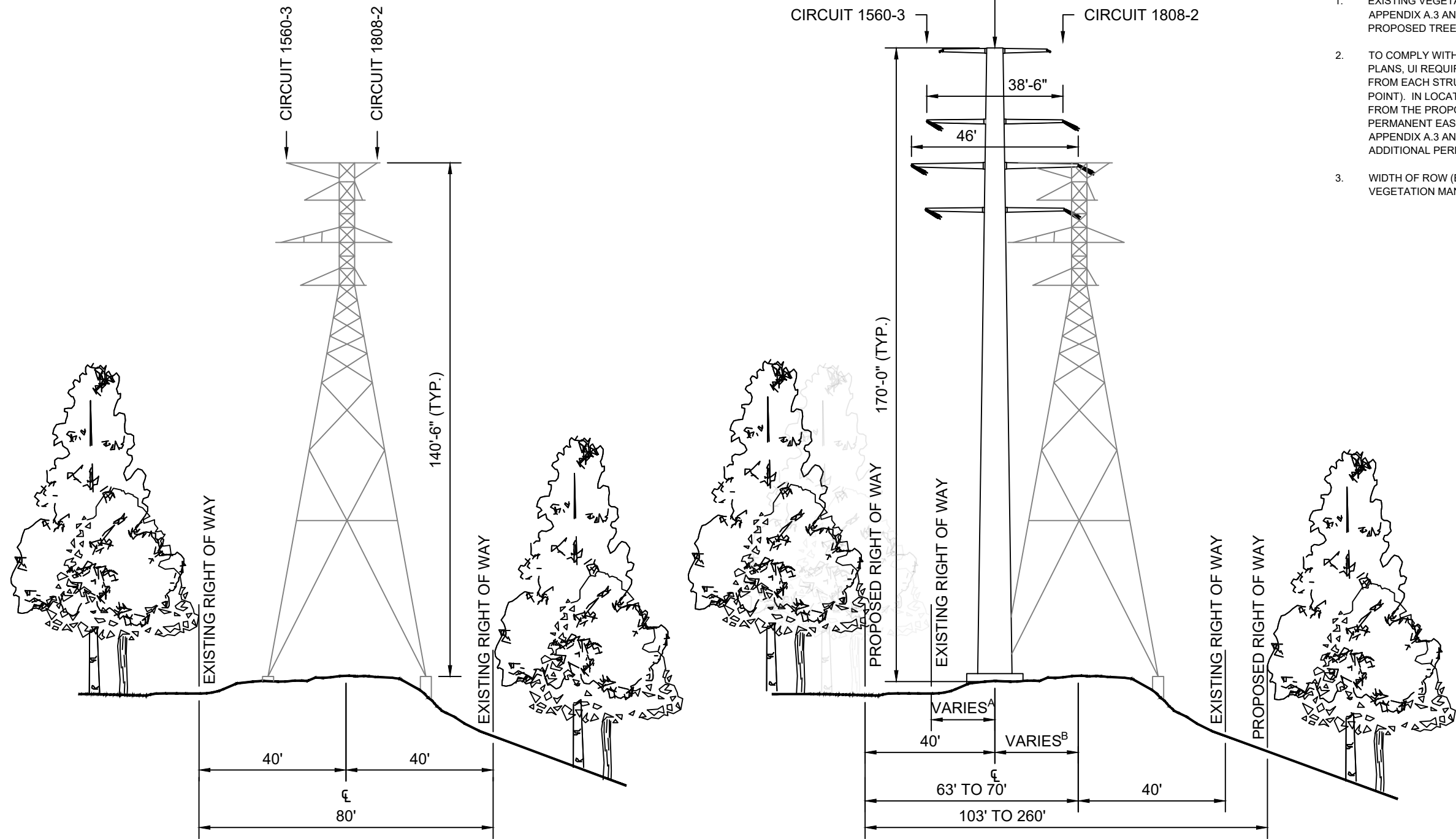
^A PHASE TO PHASE SEPARATION VARIES FROM 19' TO 20'-3"
^B THE DISTANCE BETWEEN THE CENTERLINE OF THE EXISTING STRUCTURE AND THE EDGE OF ROW VARIES IN WIDTH FROM 29' TO 35'.
^C DISTANCE BETWEEN CENTERLINE OF EXISTING STRUCTURE AND THE CENTERLINE OF PROPOSED STRUCTURE VARIES FROM 5' TO 11'

CONCEPTUAL - NOT FOR CONSTRUCTION

ANSI B 4/18/2022

AVANGRID ENGINEERING								TYPICAL CROSS SECTION DIAGRAMS			
								LOOKING EAST TOWARDS HOUSATONIC RIVER			
								STR. 351 TO STR. 358			
								CITY OF SHELTON		FAIRFIELD COUNTY	
								BY: HMS	SCALE: NTS	FILE:	
								CK: SKK	NO.		REV
								APP: JRD	XS-2		0-0A
REV	DESCRIPTION	DATE	BY	CK	APP	DATE: 04/18/2022					

REPRESENTATIVE 115-KV DOUBLE CIRCUIT STEEL MONOPOLE



EXISTING CONFIGURATION

ROW WIDTH SHOWN IS AT STR. 359 AND STR.360. EXISTING ROW IS 80FT OVER THE RIVER AS WELL

PROPOSED CONFIGURATION

PROPOSED RIGHT OF WAY BETWEEN STRUCTURES 359 AND 360 VARIES AND WILL EXPAND OVER THE HOUSATONIC RIVER TO 260FT PER NESC WIRE CLEARANCE REQUIREMENTS
^A DISTANCE BETWEEN THE PROPOSED STRUCTURE AND THE NORTHWESTERN EDGE OF RIGHT OF WAY VARIES FROM 4'-6" TO 12'
^B DISTANCE BETWEEN CENTERLINE OF EXISTING STRUCTURE AND PROPOSED STRUCTURE VARIES FROM 23' TO 30'

NOTES:

- EXISTING VEGETATION WITHIN THE UI ROW VARIES BY LOCATION. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
- TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 40'-0" FROM EACH STRUCTURE CENTER (32'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE UI ROW BOUNDARY IS LESS THAN 40'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSED TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL PERMANENT EASEMENT LOCATIONS.
- WIDTH OF ROW (EXISTING AND PROPOSED) WILL BE SUBJECT TO UI VEGETATION MANAGEMENT.

CONCEPTUAL - NOT FOR CONSTRUCTION

AVANGRID ENGINEERING



TYPICAL CROSS SECTION DIAGRAMS
 LOOKING SOUTHEAST AT HOUSATONIC RIVER
 STR. 359 TO STR. 360

CITY OF SHELTON/DERBY FAIRFIELD/NEW HAVEN COUNTY

BY	HMS	SCALE: NTS	FILE:
CK	SKK	NO.	
APP	JRD		
DATE:	04/18/2022		

REV	DESCRIPTION	DATE	BY	CK	APP
0-0A	ISSUED FOR REVIEW	04/18/2022	HMS	SKK	JRD

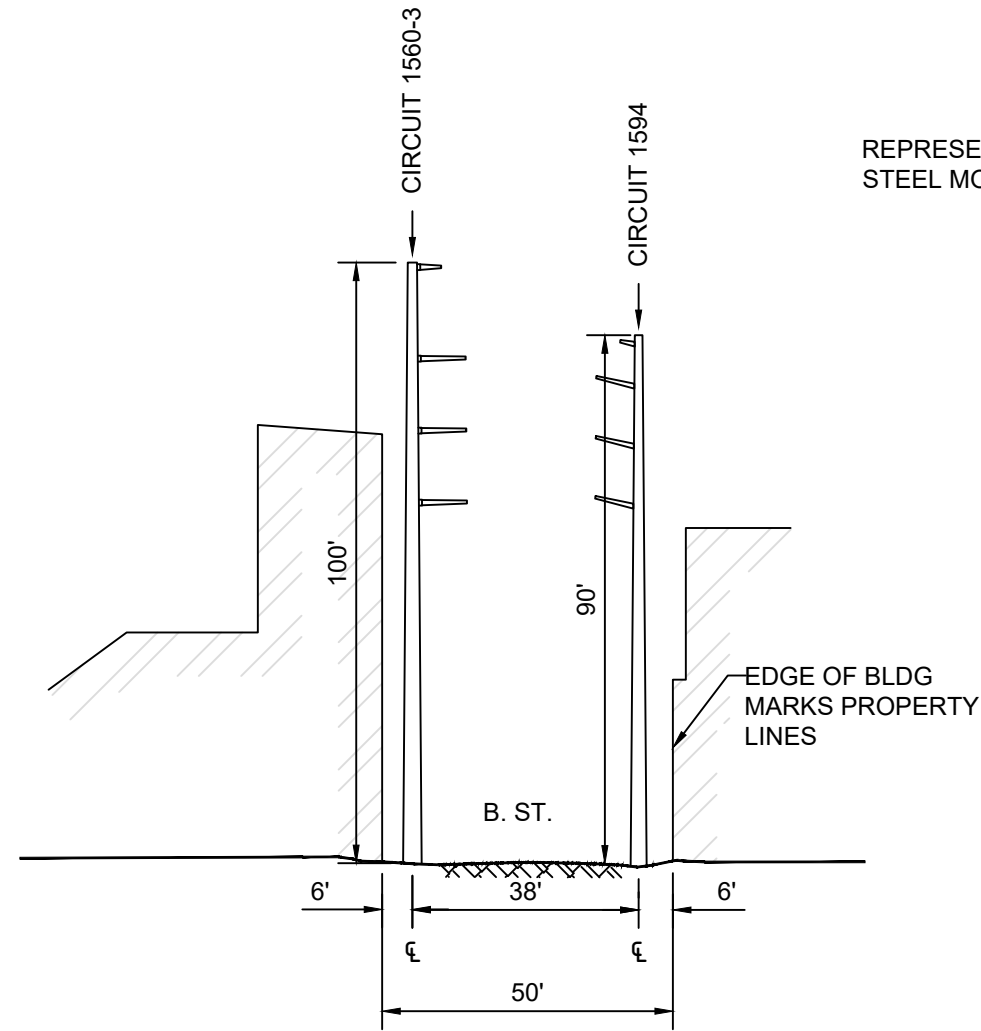
XS-3

REV
0-0A

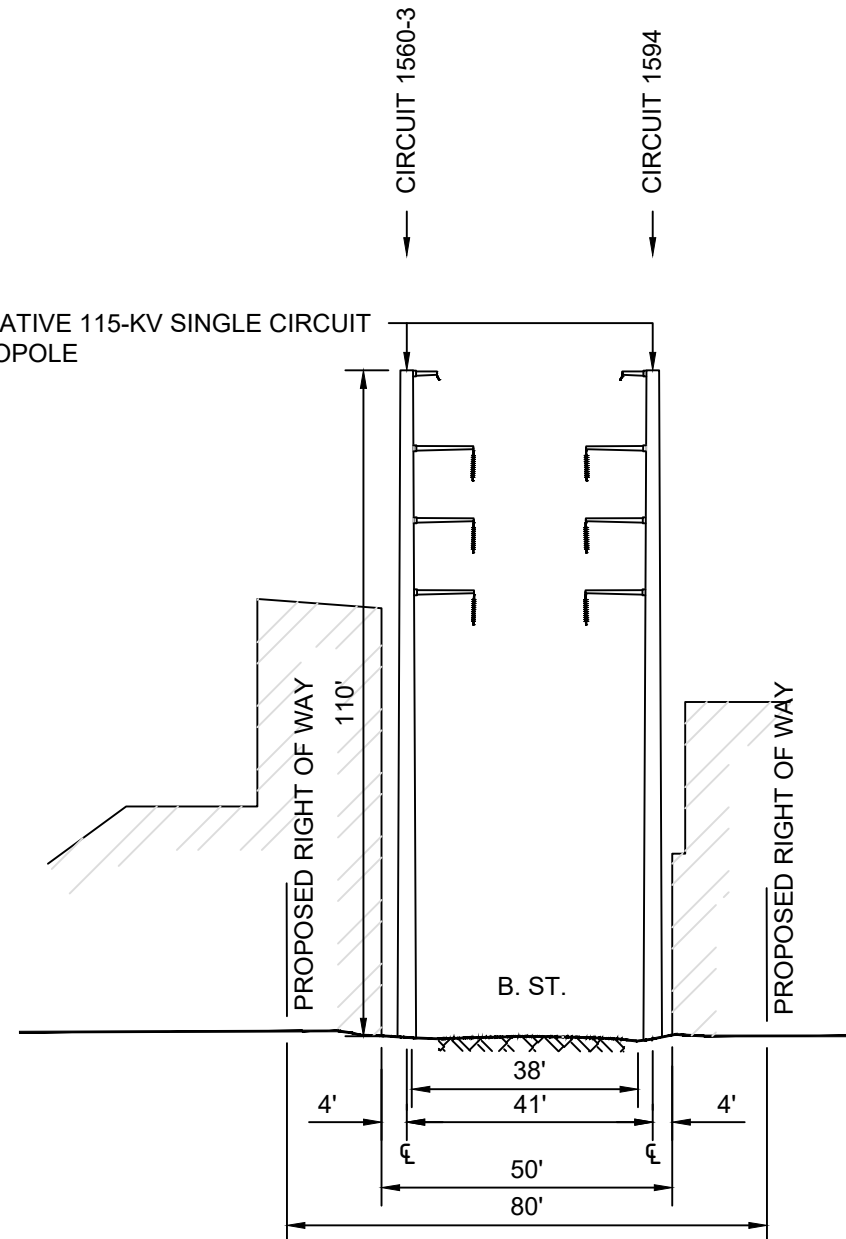
ANSI B 4/18/2022

NOTES:

1. DEPICTED STRUCTURES ARE STEEL DEADEND STRUCTURES. TANGENT STRUCTURES WILL DIFFER WITH RESPECT TO WIRE ATTACHMENT CONFIGURATION.
2. EXISTING VEGETATION WITHIN THE UI ROW VARIES BY LOCATION. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
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4. WIDTH OF ROW (EXISTING AND PROPOSED) WILL BE SUBJECT TO UI VEGETATION MANAGEMENT.



EXISTING CONFIGURATION
 THE WIDTH OF THE EXISTING ROW AS INDICATED IS THE WIDTH OF EXISTING B STREET ROADWAY ROW



PROPOSED CONFIGURATION

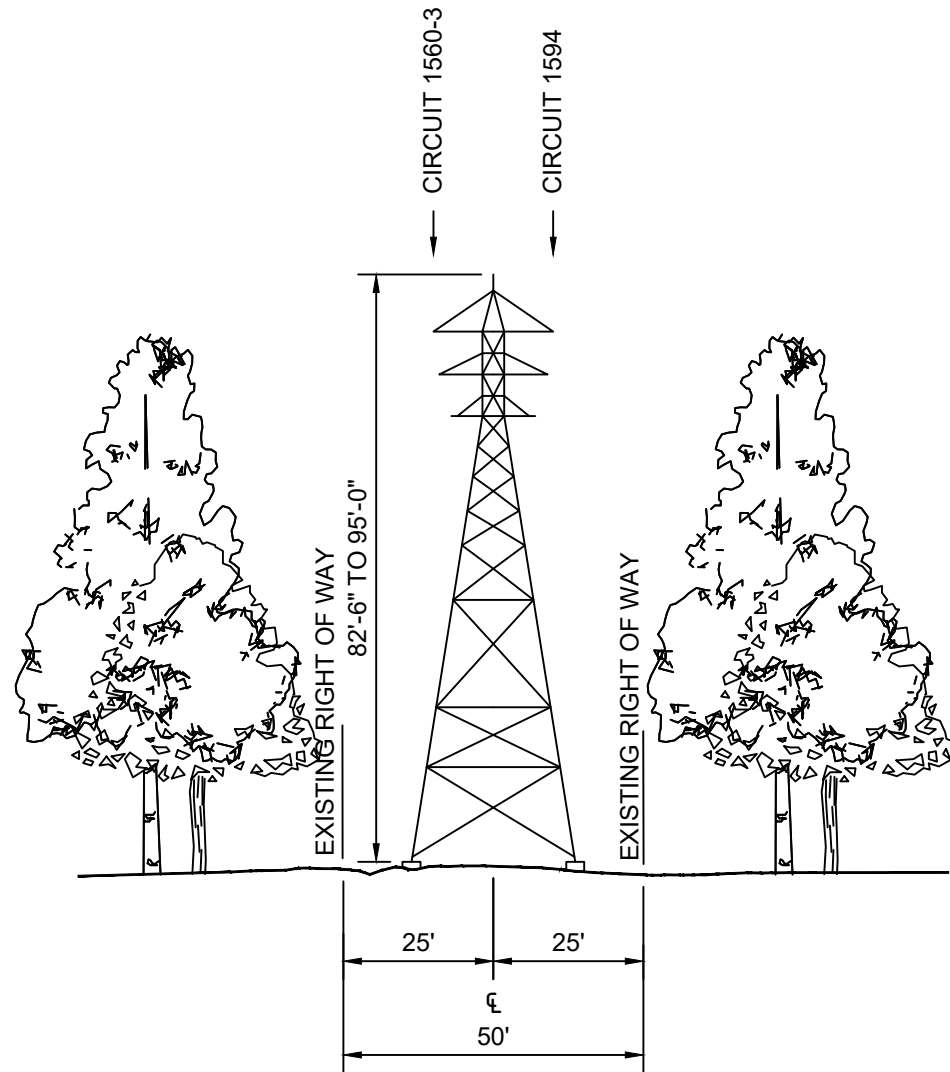
CONCEPTUAL - NOT FOR CONSTRUCTION

AVANGRID ENGINEERING								TYPICAL CROSS SECTION DIAGRAMS			
								LOOKING NORTHEAST DOWN B. SREET			
								STR. 2A AND STR. 2B			
								CITY OF DERBY		NEW HAVEN COUNTY	
								SCALE: NTS		FILE:	
0-0A		ISSUED FOR REVIEW		04/18/2022		HMS		SKK		JRD	
REV		DESCRIPTION		DATE		BY		CK		APP	
										NO. XS-4	
										REV 0-0A	

ANSI B 4/18/2022

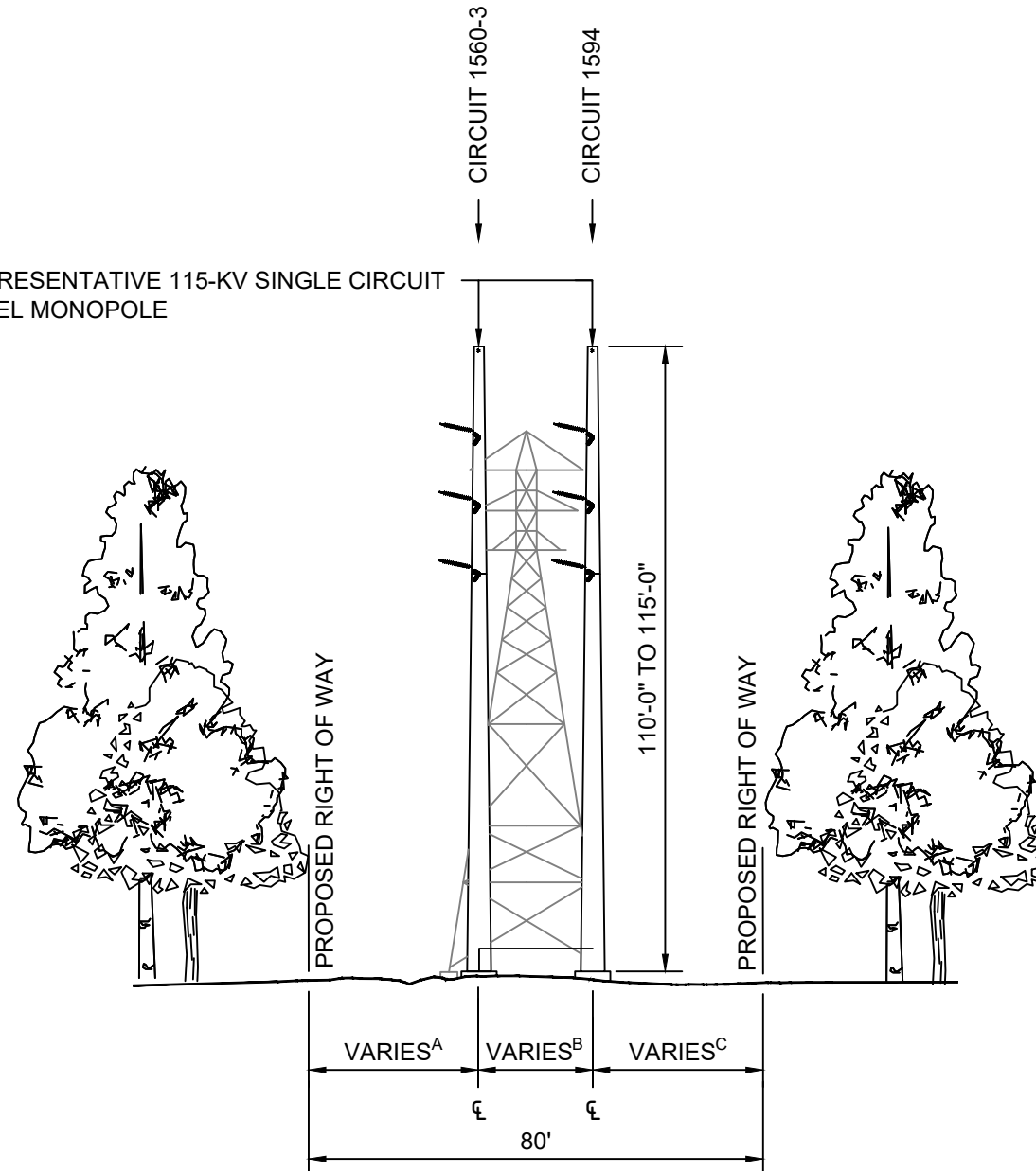
NOTES:

1. DEPICTED STRUCTURES ARE STEEL DEADEND STRUCTURES. TANGENT STRUCTURES WILL DIFFER WITH RESPECT TO WIRE ATTACHMENT CONFIGURATION.
2. EXISTING VEGETATION WITHIN THE UI ROW VARIES BY LOCATION. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
3. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 40'-0" FROM EACH STRUCTURE CENTER (32'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE UI ROW BOUNDARY IS LESS THAN 40'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSED TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL PERMANENT EASEMENT LOCATIONS.
4. WIDTH OF ROW (EXISTING AND PROPOSED) WILL BE SUBJECT TO UI VEGETATION MANAGEMENT.
4. UI OWNS THE 50-FOOT-WIDE ROW AT STR 3A/B AND 4A/B BUT HAS AN 50FT EASEMENT AT STR. 18A/B



EXISTING CONFIGURATION

REPRESENTATIVE 115-KV SINGLE CIRCUIT STEEL MONOPOLE



PROPOSED CONFIGURATION

^A THE WIDTH FROM LEFT PROPOSED STRUCTURE LOCATION TO THE WEST EDGE OF THE PROPOSED RIGHT OF WAY VARIES FROM 27'-6" TO 32'-6"
^B DISTANCE FROM THE CENTERLINE OF EACH PROPOSED STRUCTURE TO THE EDGE OF THE PROPOSED RIGHT OF WAY ON EITHER SIDE VARIES FROM 20' TO 40'-6"
^C THE WIDTH FROM THE RIGHT PROPOSED STRUCTURE LOCATION TO EAST EDGE OF PROPOSED RIGHT OF WAY VARIES FROM 20' TO 33'

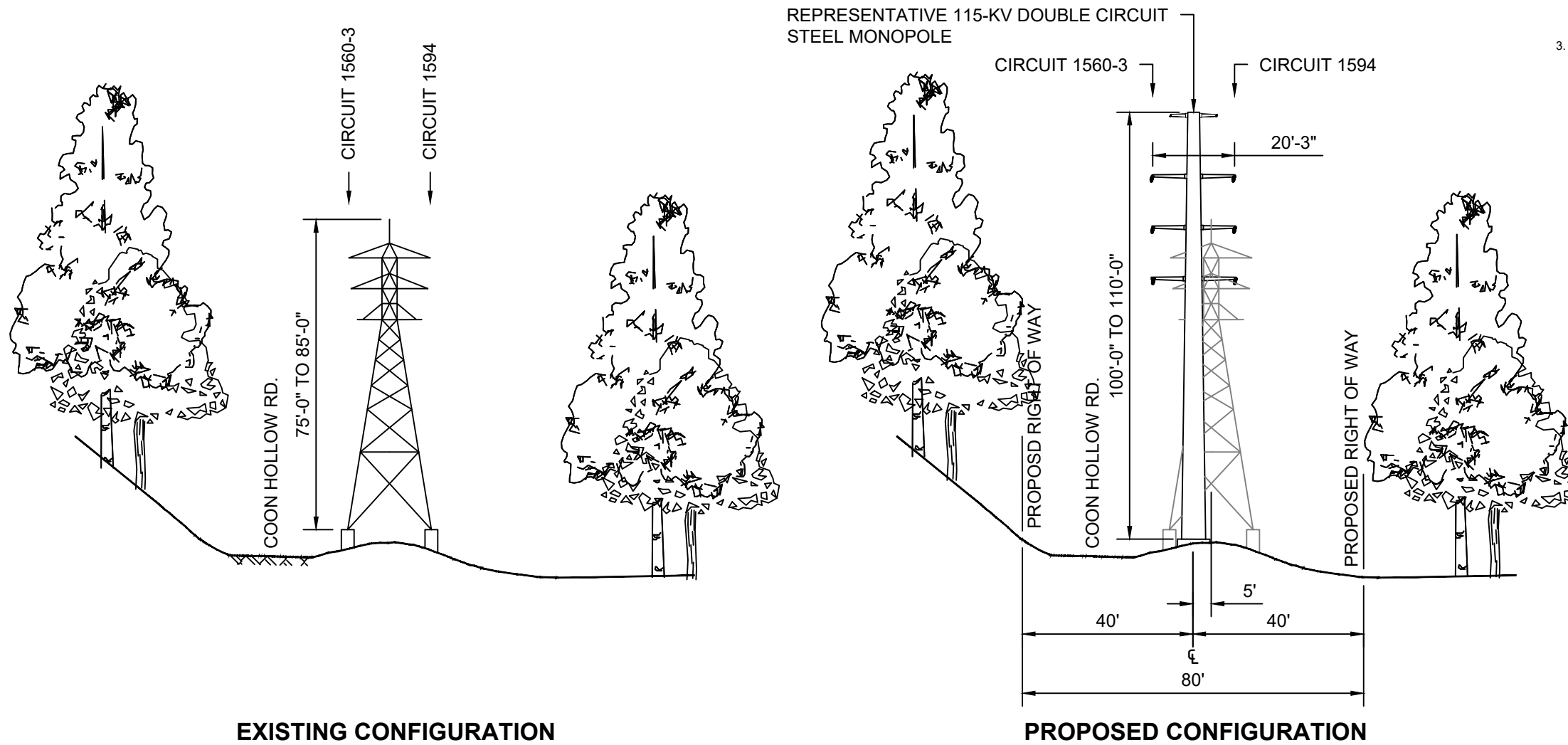
CONCEPTUAL - NOT FOR CONSTRUCTION

ANSI B 4/18/2022

AVANGRID ENGINEERING								TYPICAL CROSS SECTION DIAGRAMS			
								LOOKING NORTH TOWARDS HAWTHORNE AVE.			
								STR. 3A, 3B, 4A, 4B, 18A, AND STR. 18B			
								CITY OF DERBY		NEW HAVEN COUNTY	
								BY HMS	SCALE: NTS	FILE:	
								CK SKK	NO.		REV
								APP JRD	XS-5		0-0A
REV	DESCRIPTION	DATE	BY	CK	APP	DATE: 04/18/2022					

NOTES:

- EXISTING VEGETATION WITHIN THE UI ROW VARIES BY LOCATION. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
- TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 40'-0" FROM EACH STRUCTURE CENTER (32'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE UI ROW BOUNDARY IS LESS THAN 40'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSED TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL PERMANENT EASEMENT LOCATIONS.
- WIDTH OF ROW (EXISTING AND PROPOSED) WILL BE SUBJECT TO UI VEGETATION MANAGEMENT.



EXISTING CONFIGURATION
(NO DEFINED ROW SPECIFIED)

BETWEEN EXISTING STRUCTURE 4 AND EXISTING STRUCTURE 9, PROPERTY WAS DEEDED TO DERBY GAS & ELECTRIC COMPANY IN VOL 98 PG 379, THEN SAME PROPERTY WAS DEEDED TO THE CITY OF DERBY IN VOL 116 PG 227, SPECIFICALLY RESERVING THE RIGHTS OF WIRES, POLES, TOWERS AND MAINTENANCE IN FAVOR OF THE DERBY GAS & ELECTRIC COMPANY (NOW NAMED UNITED ILLUMINATING COMPANY).

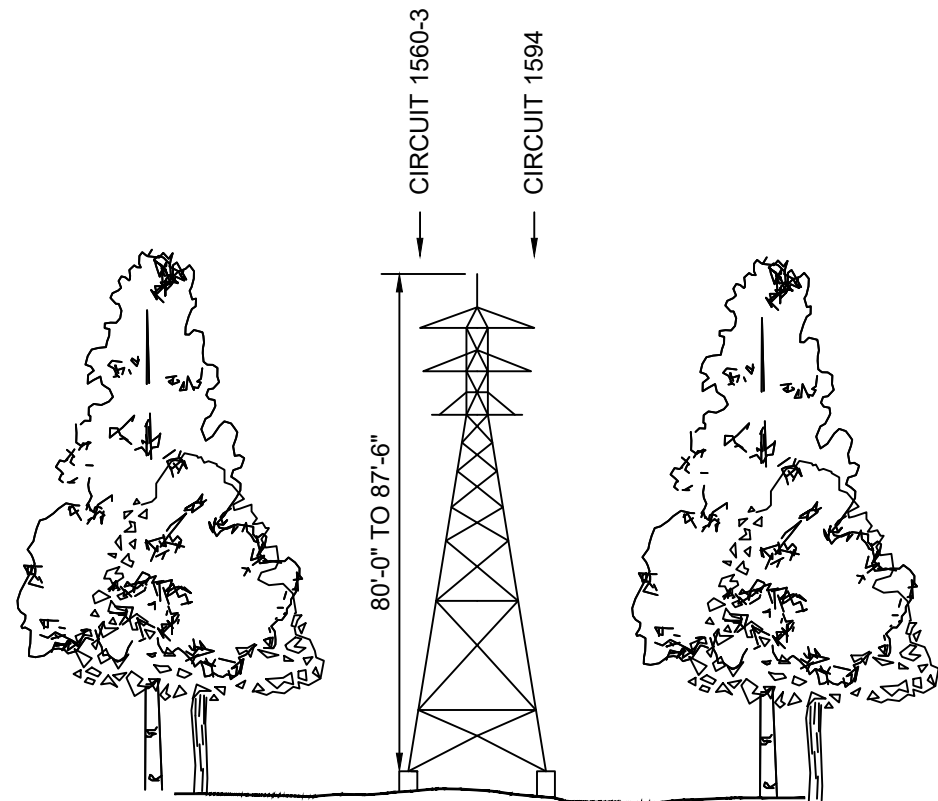
PROPOSED CONFIGURATION

CONCEPTUAL - NOT FOR CONSTRUCTION

AVANGRID ENGINEERING								TYPICAL CROSS SECTION DIAGRAMS			
								LOOKING NORTH ALONG COON HOLLOW RD			
								STR. 5 TO STR. 6			
								CITY OF DERBY		NEW HAVEN COUNTY	
								BY: HMS	SCALE: NTS	FILE:	
								CK: SKK	NO.		REV
								APP: JRD			
0-0A	ISSUED FOR REVIEW	04/18/2022	HMS	SKK	JRD			XS-6		0-0A	
REV	DESCRIPTION	DATE	BY	CK	APP	DATE: 04/18/2022					

NOTES:

1. DEPICTED STRUCTURES ARE STEEL DEADEND STRUCTURES. TANGENT STRUCTURES WILL DIFFER WITH RESPECT TO WIRE ATTACHMENT CONFIGURATION.
2. EXISTING VEGETATION WITHIN THE UI ROW VARIES BY LOCATION. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
3. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 40'-0" FROM EACH STRUCTURE CENTER (32'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE UI ROW BOUNDARY IS LESS THAN 40'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSED TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL PERMANENT EASEMENT LOCATIONS.
4. WIDTH OF ROW (EXISTING AND PROPOSED) WILL BE SUBJECT TO UI VEGETATION MANAGEMENT.

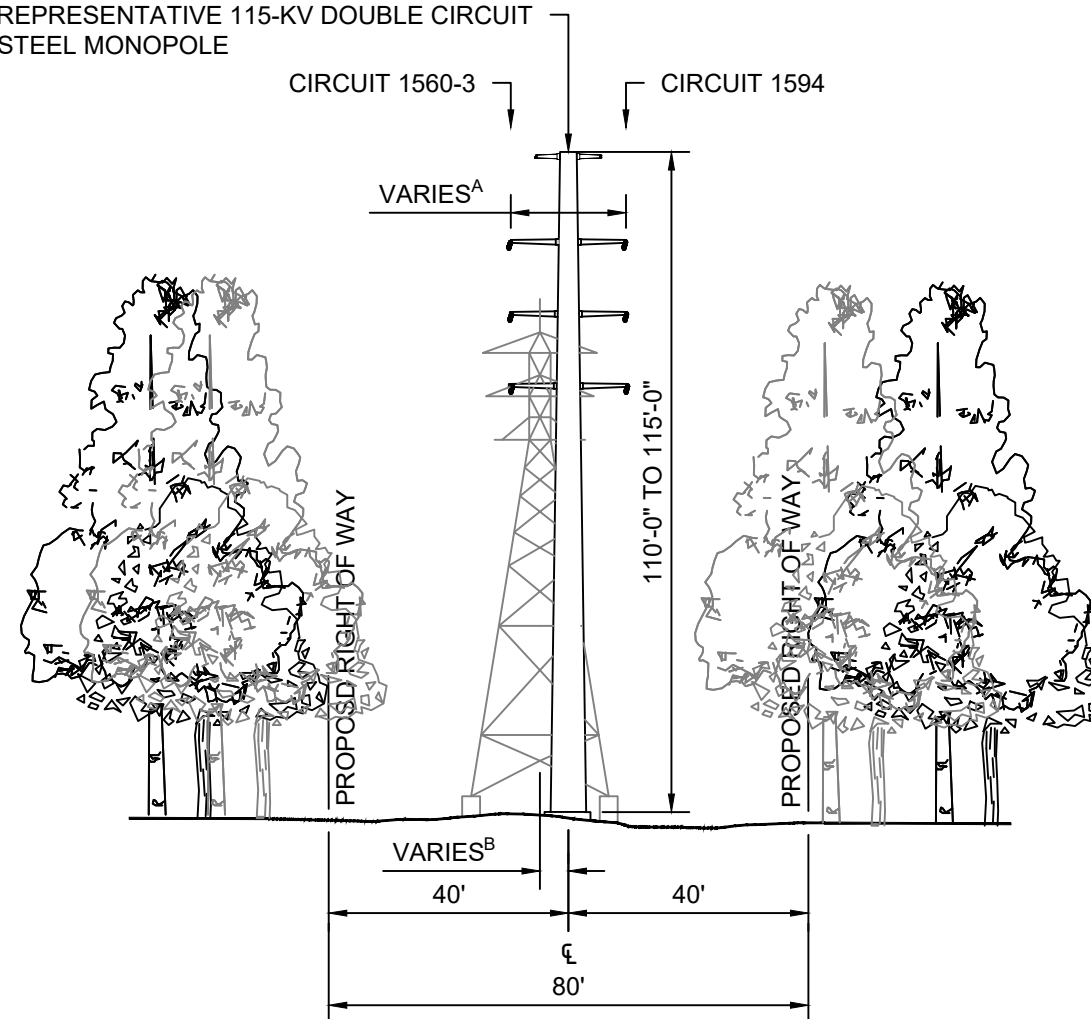


EXISTING CONFIGURATION

(NO DEFINED ROW SPECIFIED)

BETWEEN EXISTING STRUCTURE 4 AND EXISTING STRUCTURE 9, PROPERTY WAS DEEDED TO DERBY GAS & ELECTRIC COMPANY IN VOL 98 PG 379, THEN SAME PROPERTY WAS DEEDED TO THE CITY OF DERBY IN VOL 116 PG 227, SPECIFICALLY RESERVING THE RIGHTS OF WIRES, POLES, TOWERS AND MAINTENANCE IN FAVOR OF THE DERBY GAS & ELECTRIC COMPANY (NOW NAMED UNITED ILLUMINATING COMPANY).

REPRESENTATIVE 115-KV DOUBLE CIRCUIT STEEL MONOPOLE



PROPOSED CONFIGURATION

^A PHASE TO PHASE SEPARATION VARIES FROM 19' TO 20'-3"
^B DISTANCE BETWEEN CENTERLINE OF EXISTING STRUCTURE AND PROPOSED STRUCTURE VARIES FROM 5' TO 16'-6"

CONCEPTUAL - NOT FOR CONSTRUCTION

AVANGRID ENGINEERING



TYPICAL CROSS SECTION DIAGRAMS

LOOKING NORTH ALONG COON HOLLOW RD

STR. 7 TO STR. 9

CITY OF DERBY

NEW HAVEN COUNTY

BY	HMS	SCALE: NTS	FILE:
CK	SKK	NO.	
APP	JRD		
DATE:	04/18/2022		

0-0A	ISSUED FOR REVIEW	04/18/2022	HMS	SKK	JRD
REV	DESCRIPTION	DATE	BY	CK	APP

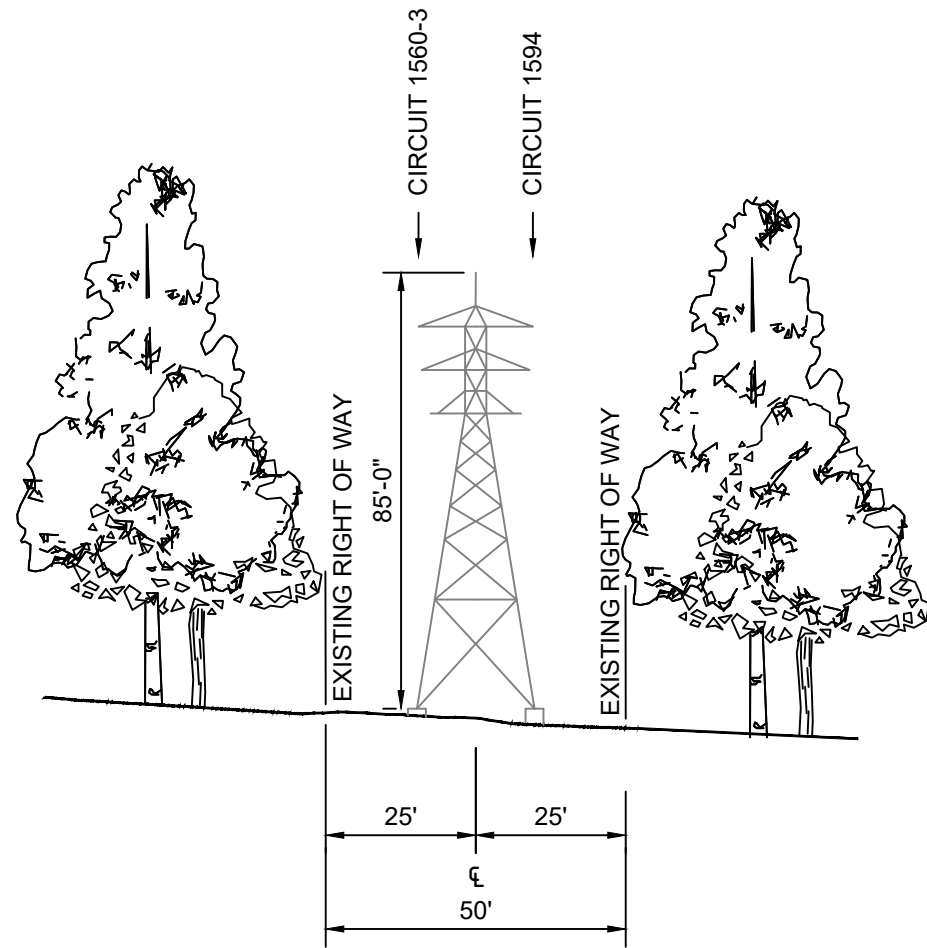
XS-7

REV 0-0A

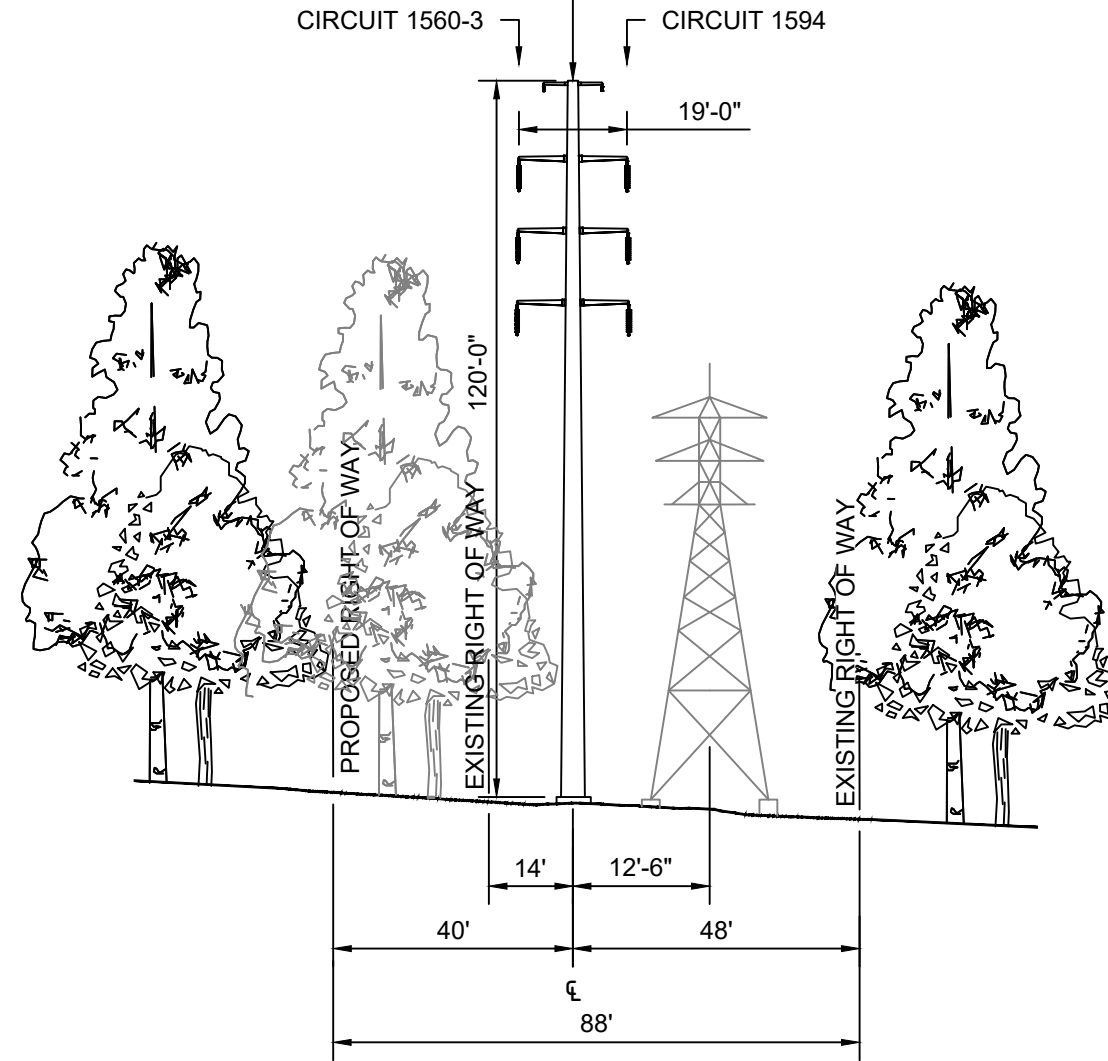
NOTES:

1. EXISTING VEGETATION WITHIN THE UI ROW VARIES BY LOCATION. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
2. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 40'-0" FROM EACH STRUCTURE CENTER (32'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE UI ROW BOUNDARY IS LESS THAN 40'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSED TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL PERMANENT EASEMENT LOCATIONS.
3. WIDTH OF ROW (EXISTING AND PROPOSED) WILL BE SUBJECT TO UI VEGETATION MANAGEMENT.

REPRESENTATIVE 115-KV DOUBLE CIRCUIT STEEL MONOPOLE



EXISTING CONFIGURATION



PROPOSED CONFIGURATION

CONCEPTUAL - NOT FOR CONSTRUCTION

AVANGRID ENGINEERING								TYPICAL CROSS SECTION DIAGRAMS LOOKING NORTH TOWARDS SILVER HILL RD STR. 10					
								CITY OF DERBY NEW HAVEN COUNTY					
								BY	HMS	SCALE: NTS	FILE:		
								CK	SKK	NO.			
								APP	JRD	XS-8		REV	0-0A
REV	DESCRIPTION	DATE	BY	CK	APP	DATE:	04/18/2022						

NOTES:

- EXISTING VEGETATION WITHIN THE UI ROW VARIES BY LOCATION. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
- TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 40'-0" FROM EACH STRUCTURE CENTER (32'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE UI ROW BOUNDARY IS LESS THAN 40'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSED TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL PERMANENT EASEMENT LOCATIONS.
- WIDTH OF ROW (EXISTING AND PROPOSED) WILL BE SUBJECT TO UI VEGETATION MANAGEMENT.
- CROSS SECTION IS SHOWN AT THE STRUCTURE LOCATION, GROUND SLOPE STEEPNESS VARIES ALONG THE SPAN FROM STR 11 TO STR 14.

**REPRESENTATIVE 115-KV DOUBLE
CIRCUIT STEEL MONOPOLE**

CIRCUIT 1560-3 CIRCUIT 1594

19'

60' 50'
110'

EXISTING CONFIGURATION

PROPOSED CONFIGURATION

CONCEPTUAL - NOT FOR CONSTRUCTION

AVANGRID ENGINEERING



TYPICAL CROSS SECTION DIAGRAMS
LOOKING NORTH TOWARDS CT. ROUTE 8 HWY
STR. 11

CITY OF ANSONIA NEW HAVEN COUNTY

BY	HMS	SCALE: NTS	FILE:
CK	SKK	NO.	
APP	JRD		
DATE: 04/18/2022			

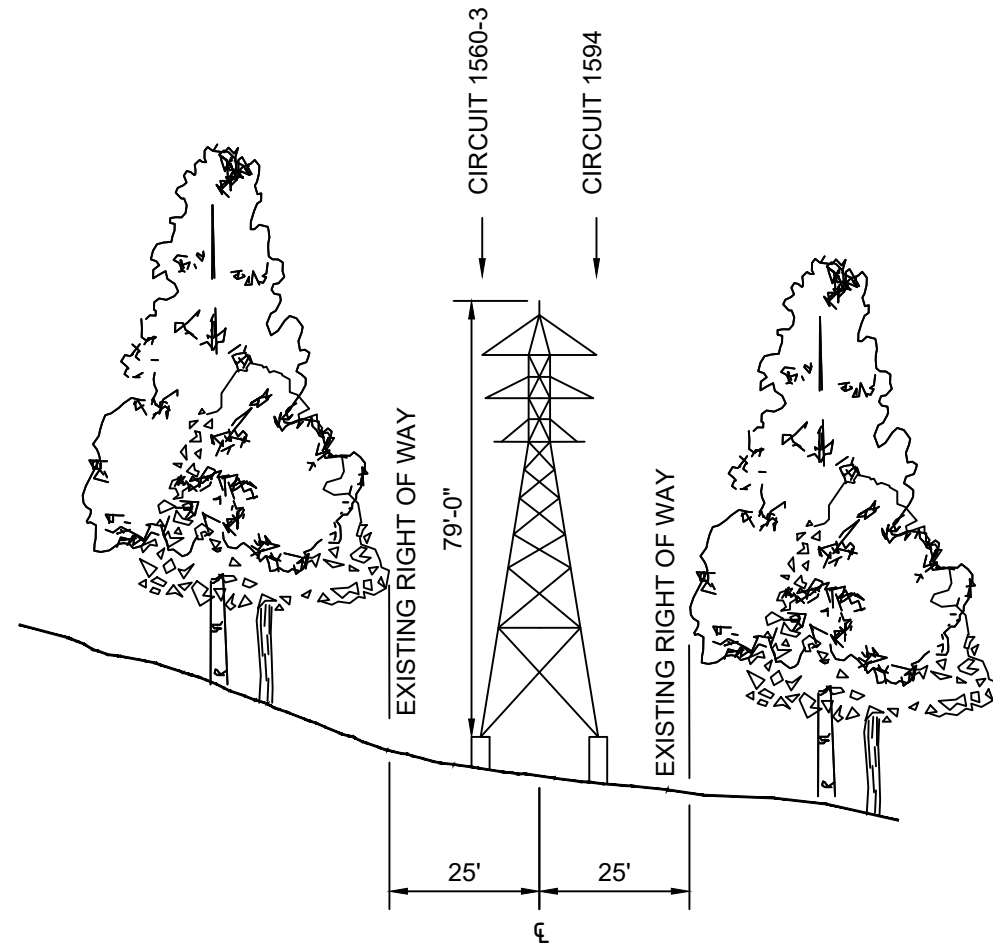
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REV	DESCRIPTION	DATE	BY	CK	APP		

XS-9

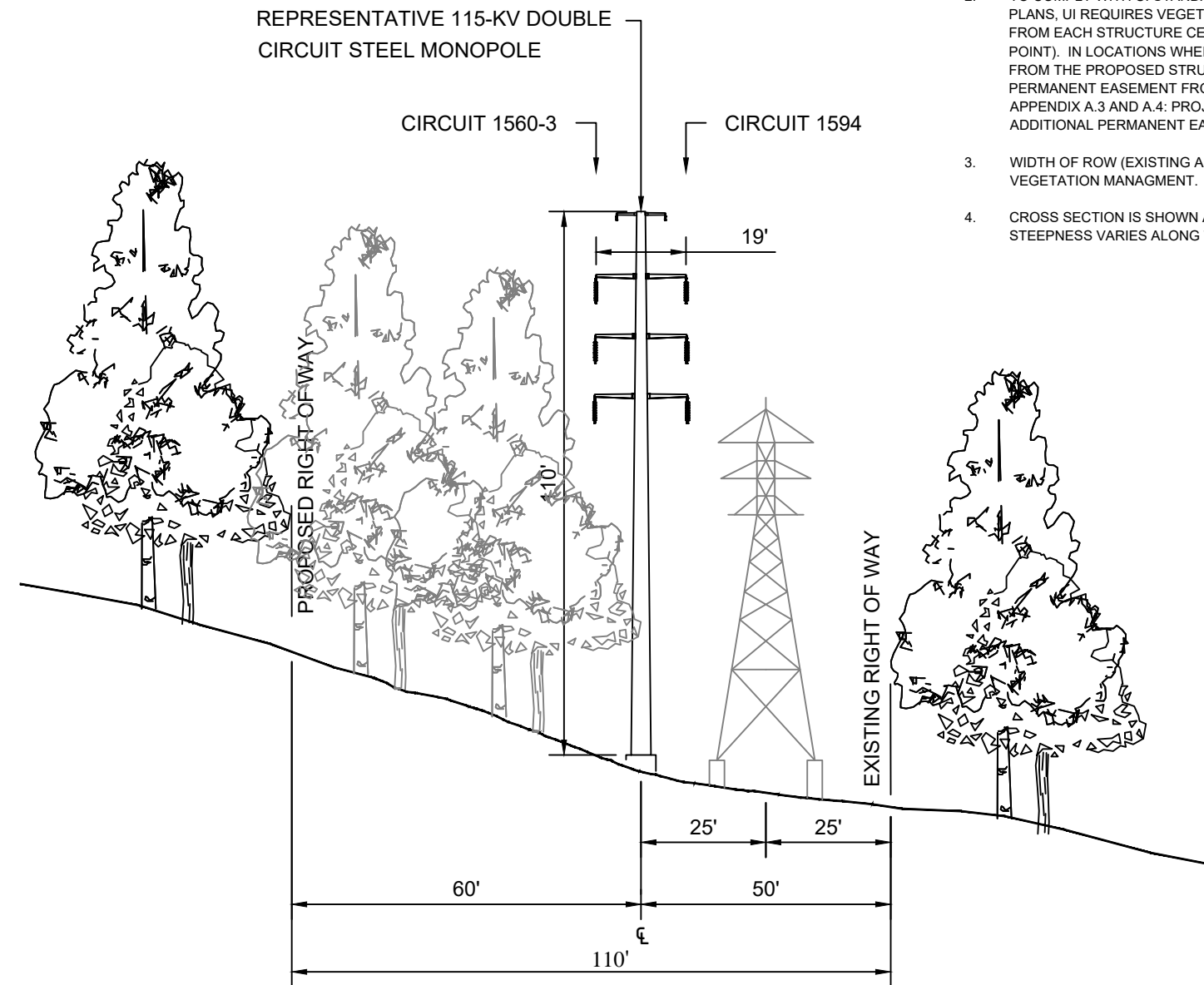
REV
0-0A

NOTES:

1. EXISTING VEGETATION WITHIN THE UI ROW VARIES BY LOCATION. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
2. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 40'-0" FROM EACH STRUCTURE CENTER (32'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE UI ROW BOUNDARY IS LESS THAN 40'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSED TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL PERMANENT EASEMENT LOCATIONS.
3. WIDTH OF ROW (EXISTING AND PROPOSED) WILL BE SUBJECT TO UI VEGETATION MANAGEMENT.
4. CROSS SECTION IS SHOWN AT THE STRUCTURE LOCATION, GROUND SLOPE STEEPNESS VARIES ALONG THE SPAN FROM STR 11 TO STR 14.



EXISTING CONFIGURATION



PROPOSED CONFIGURATION

REPRESENTATIVE 115-KV DOUBLE
CIRCUIT STEEL MONOPOLE

CONCEPTUAL - NOT FOR CONSTRUCTION

AVANGRID ENGINEERING



TYPICAL CROSS SECTION DIAGRAMS
LOOKING NORTH TOWARDS CT. ROUTE 8 HWY
STR. 12

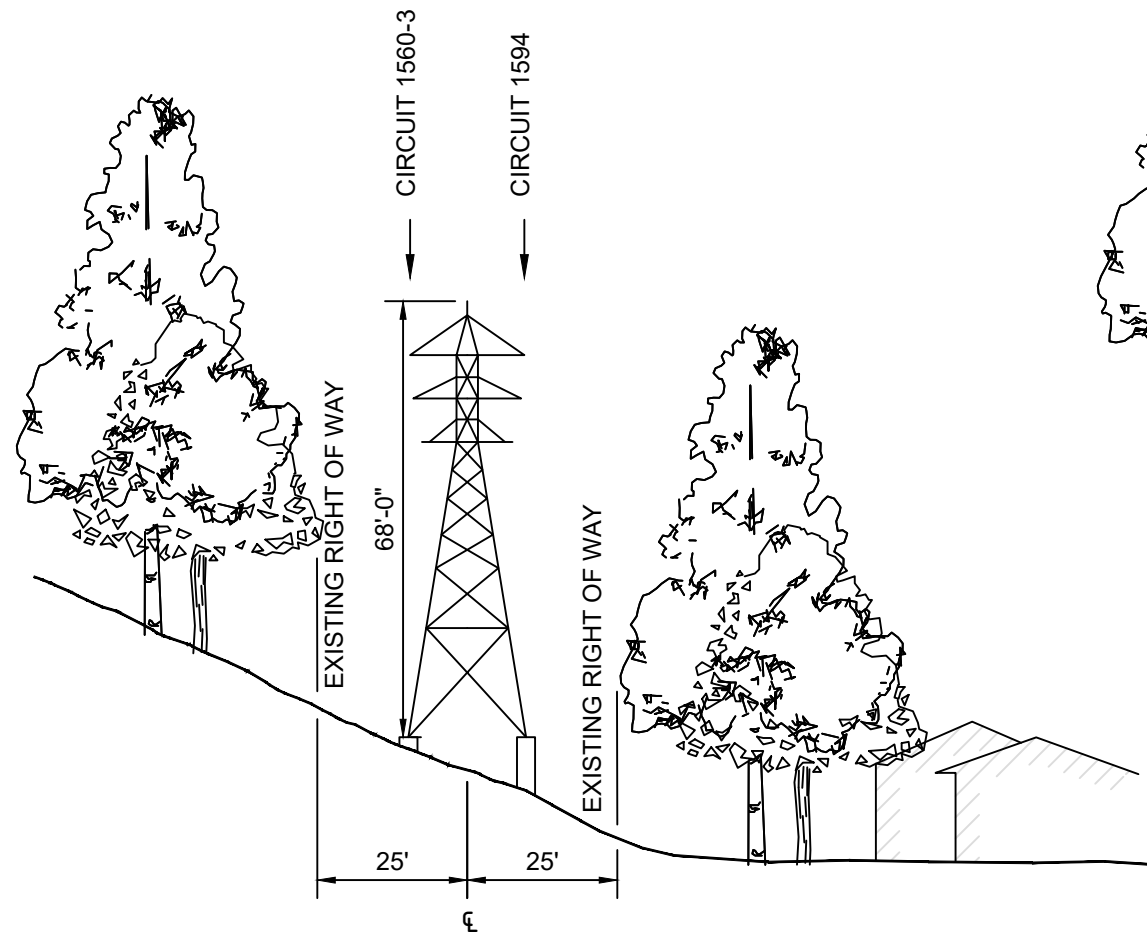
CITY OF ANSONIA NEW HAVEN COUNTY

BY	HMS	SCALE: NTS	FILE:
CK	SKK	NO.	
APP	JRD		
DATE: 04/18/2022		XS-10	REV 0-0A

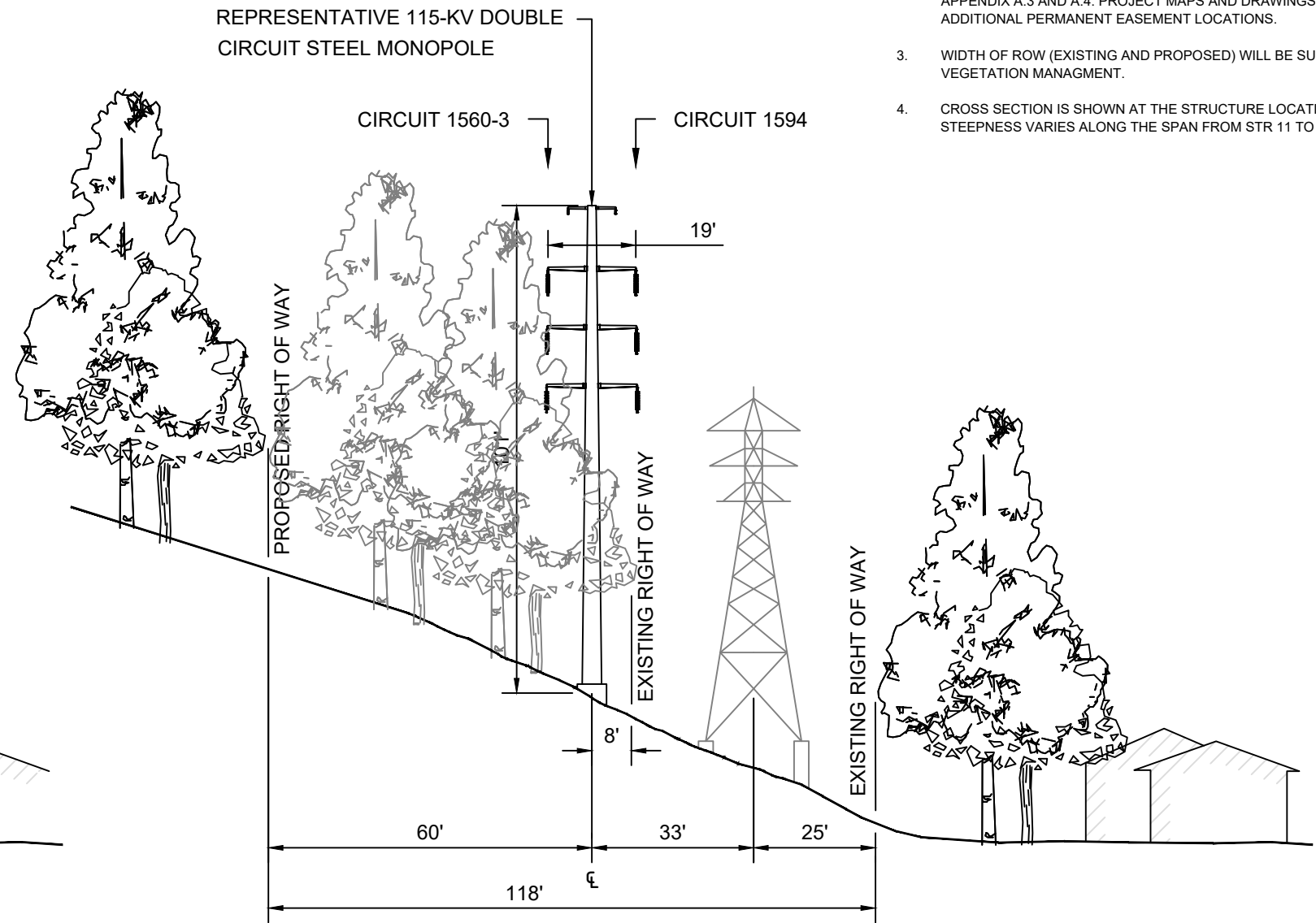
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0-0A	ISSUED FOR REVIEW	04/18/2022	HMS	SKK	JRD

NOTES:

- EXISTING VEGETATION WITHIN THE UI ROW VARIES BY LOCATION. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
- TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 40'-0" FROM EACH STRUCTURE CENTER (32'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE UI ROW BOUNDARY IS LESS THAN 40'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSED TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL PERMANENT EASEMENT LOCATIONS.
- WIDTH OF ROW (EXISTING AND PROPOSED) WILL BE SUBJECT TO UI VEGETATION MANAGEMENT.
- CROSS SECTION IS SHOWN AT THE STRUCTURE LOCATION, GROUND SLOPE STEEPNESS VARIES ALONG THE SPAN FROM STR 11 TO STR 14.




EXISTING CONFIGURATION



PROPOSED CONFIGURATION

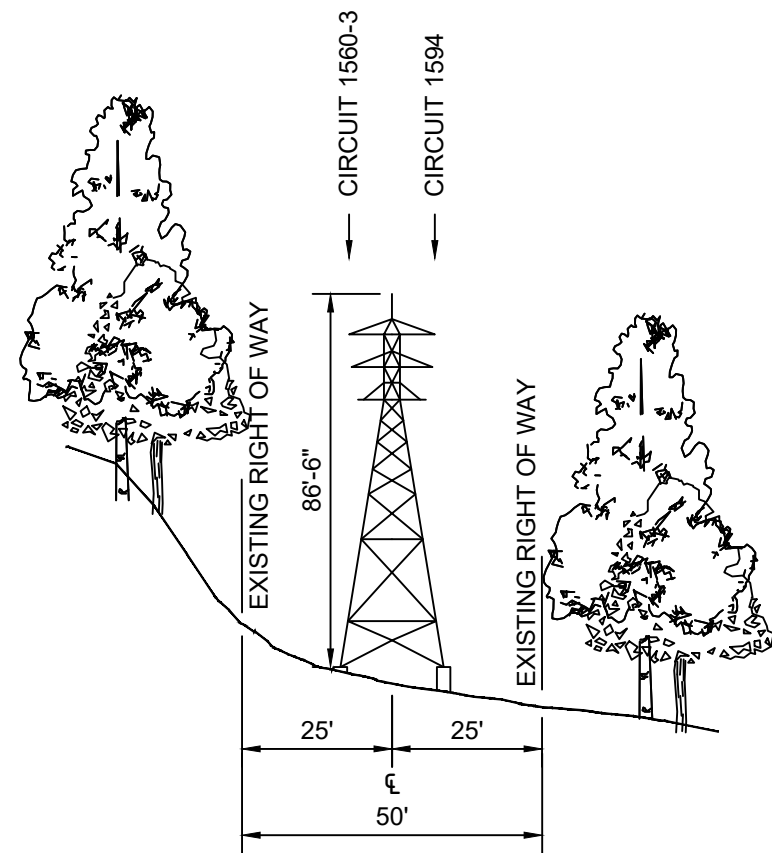
CONCEPTUAL - NOT FOR CONSTRUCTION

AVANGRID ENGINEERING								TYPICAL CROSS SECTION DIAGRAMS			
								LOOKING NORTH TOWARDS CT. ROUTE 8 HWY			
								STR. 13			
								CITY OF ANSONIA		NEW HAVEN COUNTY	
								BY: HMS	SCALE: NTS	FILE:	
								CK: SKK	NO.		REV
								APP: JRD	XS-11		0-0A
REV	DESCRIPTION	DATE	BY	CK	APP	DATE: 04/18/2022					

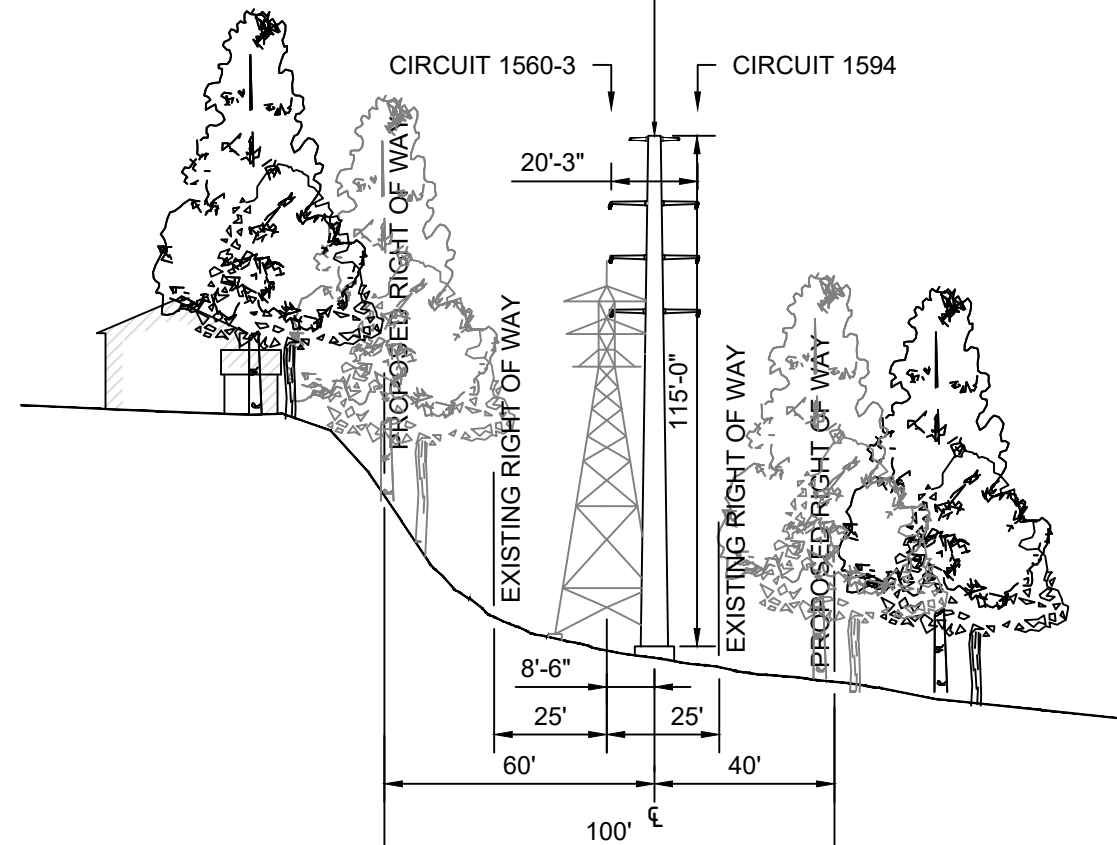
NOTES:

- EXISTING VEGETATION WITHIN THE UI ROW VARIES BY LOCATION. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
- TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 40'-0" FROM EACH STRUCTURE CENTER (32'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE UI ROW BOUNDARY IS LESS THAN 40'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSED TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL PERMANENT EASEMENT LOCATIONS.
- WIDTH OF ROW (EXISTING AND PROPOSED) WILL BE SUBJECT TO UI VEGETATION MANAGEMENT.
- CROSS SECTION IS SHOWN AT THE STRUCTURE LOCATION, GROUND SLOPE STEEPNESS VARIES ALONG THE SPAN FROM STR 11 TO STR 14.

REPRESENTATIVE 115-KV DOUBLE CIRCUIT STEEL MONOPOLE



EXISTING CONFIGURATION



PROPOSED CONFIGURATION

CONCEPTUAL - NOT FOR CONSTRUCTION

AVANGRID ENGINEERING



TYPICAL CROSS SECTION DIAGRAMS
LOOKING NORTH TOWARDS CT. ROUTE 8 HWY
STR. 14

CITY OF ANSONIA NEW HAVEN COUNTY

BY	HMS	SCALE: NTS	FILE:
CK	SKK	NO.	
APP	JRD		
DATE:	04/18/2022		

0-0A	ISSUED FOR REVIEW	04/18/2022	HMS	SKK	JRD		
REV	DESCRIPTION	DATE	BY	CK	APP		

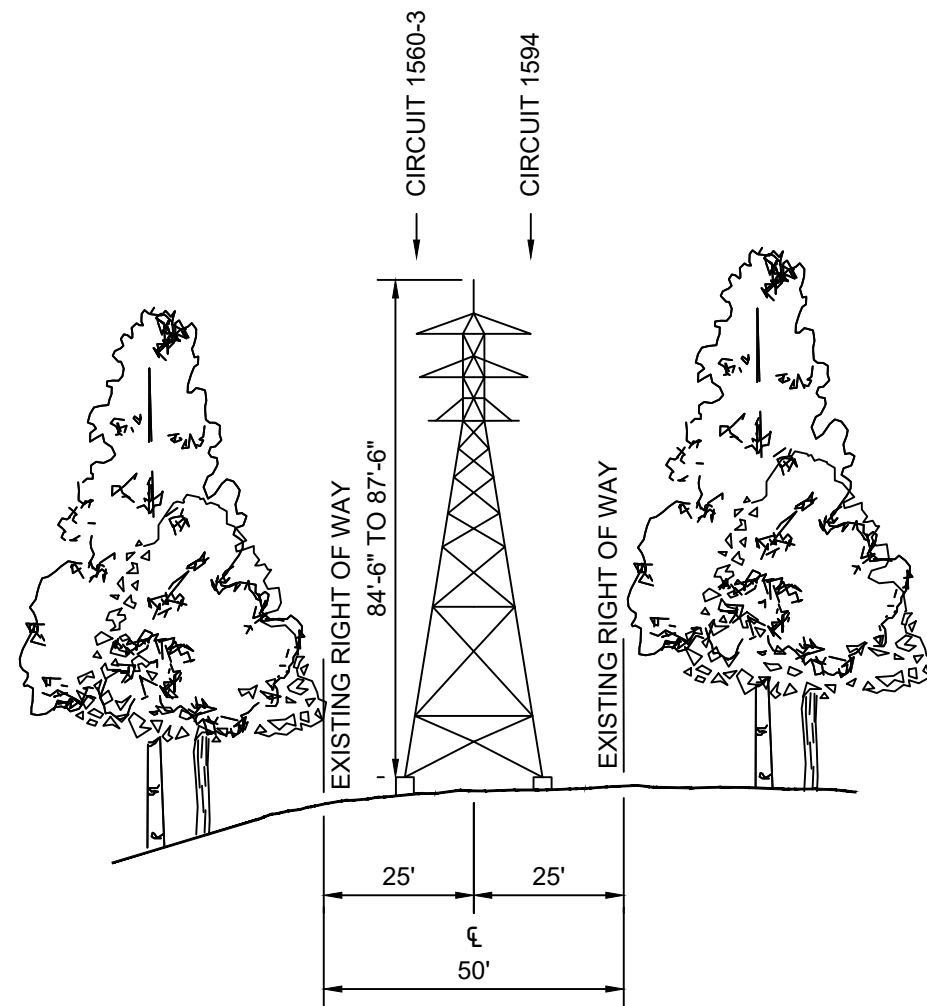
XS-12

REV
0-0A

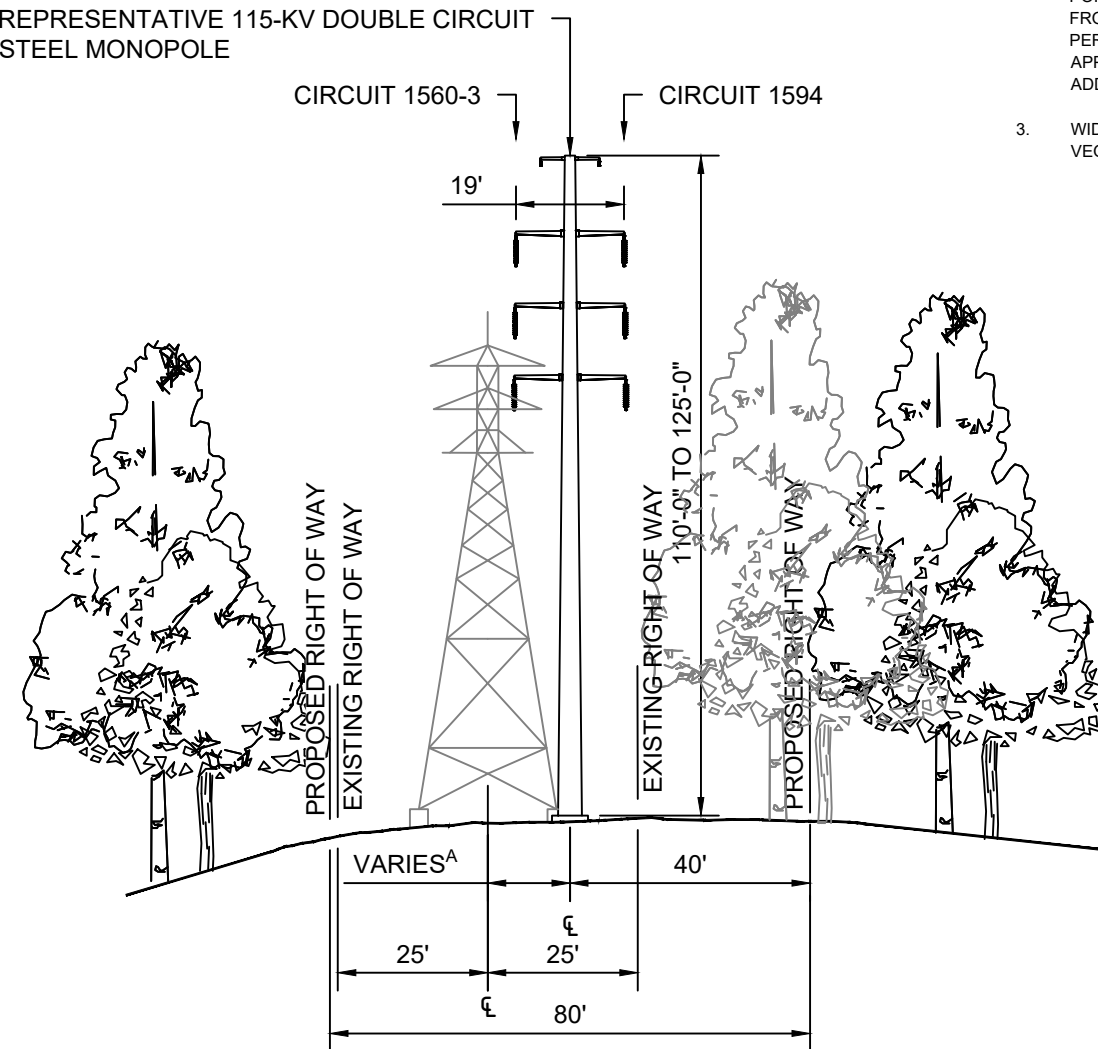
NOTES:

1. EXISTING VEGETATION WITHIN THE UI ROW VARIES BY LOCATION. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
2. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 40'-0" FROM EACH STRUCTURE CENTER (32'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE UI ROW BOUNDARY IS LESS THAN 40'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSED TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL PERMANENT EASEMENT LOCATIONS.
3. WIDTH OF ROW (EXISTING AND PROPOSED) WILL BE SUBJECT TO UI VEGETATION MANAGEMENT.

REPRESENTATIVE 115-KV DOUBLE CIRCUIT STEEL MONOPOLE



EXISTING CONFIGURATION



PROPOSED CONFIGURATION

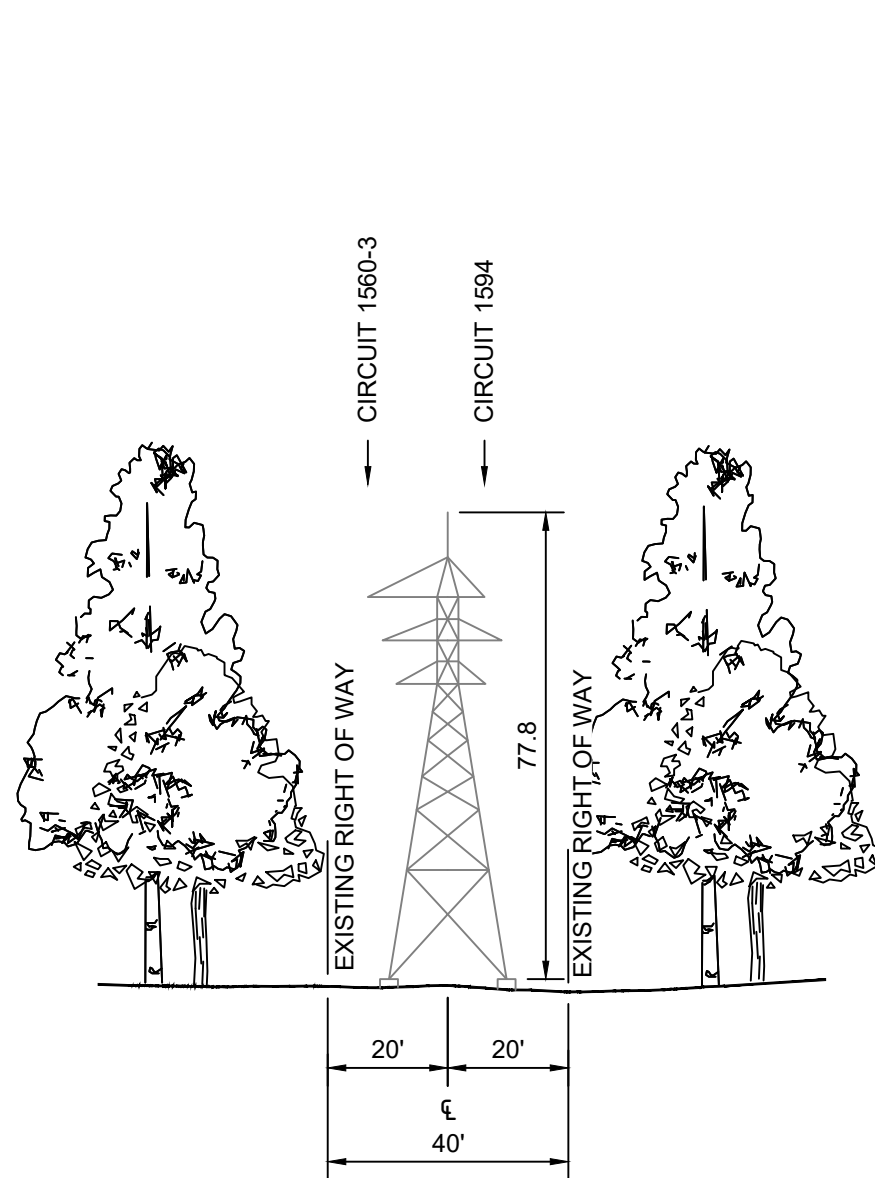
^A DISTANCE BETWEEN CENTERLINE OF EXISTING STRUCTURE AND PROPOSED STRUCTURE VARIES FROM 12' TO 15'

CONCEPTUAL - NOT FOR CONSTRUCTION

AVANGRID ENGINEERING								TYPICAL CROSS SECTION DIAGRAMS LOOKING NORTH TOWARDS HULL SREET STR. 15 TO STR. 16					
												CITY OF ANSONIA NEW HAVEN COUNTY	
						BY HMS		SCALE: NTS		FILE:			
						CK SKK		NO.		XS-13		REV	
						APP JRD						0-0A	
REV	DESCRIPTION	DATE	BY	CK	APP	DATE: 04/18/2022							

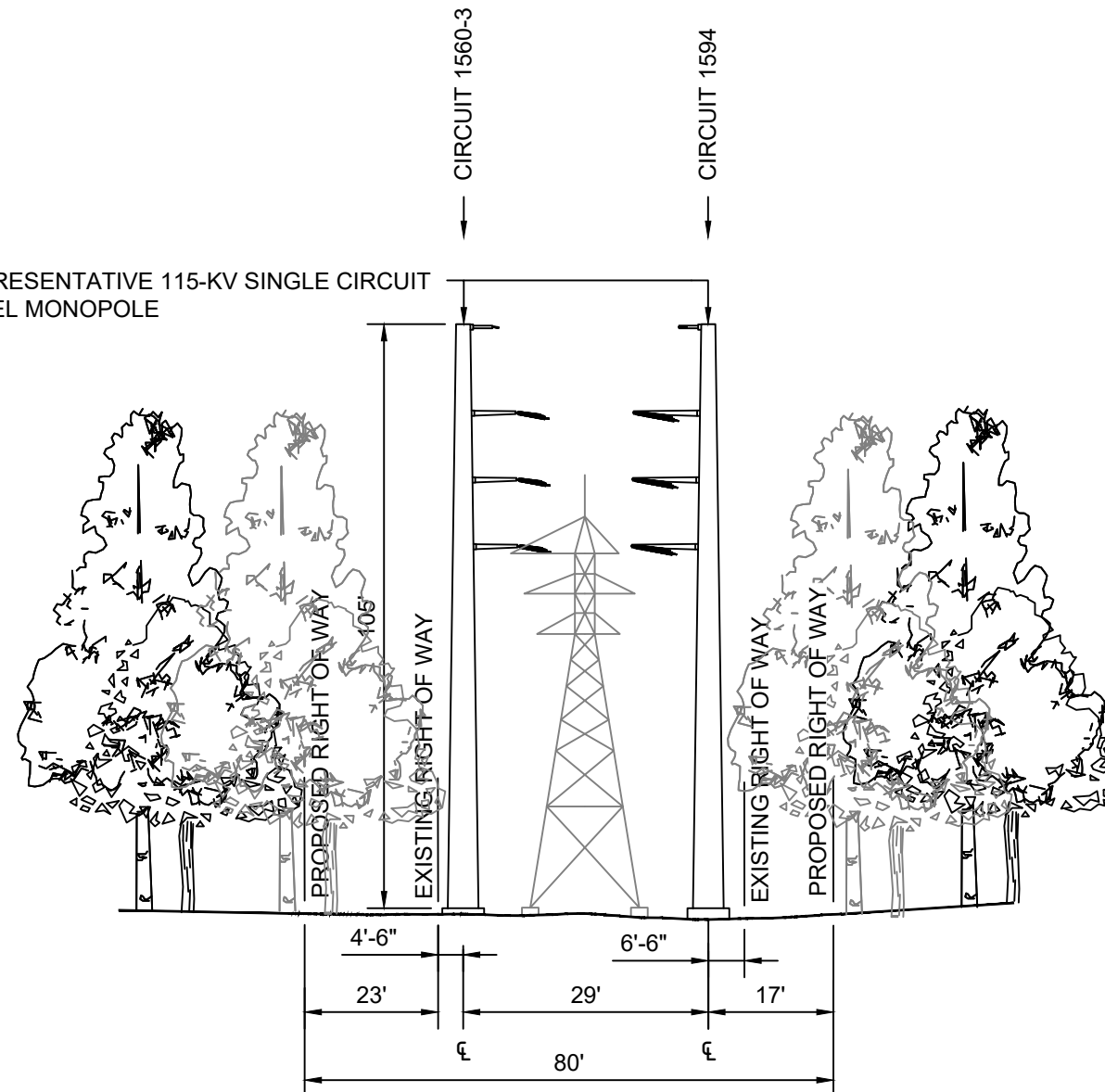
NOTES:

1. EXISTING VEGETATION WITHIN THE UI ROW VARIES BY LOCATION. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
2. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 40'-0" FROM EACH STRUCTURE CENTER (32'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE UI ROW BOUNDARY IS LESS THAN 40'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSED TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL PERMANENT EASEMENT LOCATIONS.
3. WIDTH OF ROW (EXISTING AND PROPOSED) WILL BE SUBJECT TO UI VEGETATION MANAGEMENT.



EXISTING CONFIGURATION
EXISTING ROW IS 40' ON BACK SPAN AND 50' ON AHEAD SPAN

REPRESENTATIVE 115-KV SINGLE CIRCUIT STEEL MONOPOLE



PROPOSED CONFIGURATION

CONCEPTUAL - NOT FOR CONSTRUCTION

AVANGRID ENGINEERING



TYPICAL CROSS SECTION DIAGRAMS
LOOKING EAST TOWARDS WAKELEE STREET
STR. 17A AND STR. 17B

CITY OF ANSONIA NEW HAVEN COUNTY

BY	HMS	SCALE: NTS	FILE:
CK	SKK	NO.	
APP	JRD		
DATE: 04/18/2022			

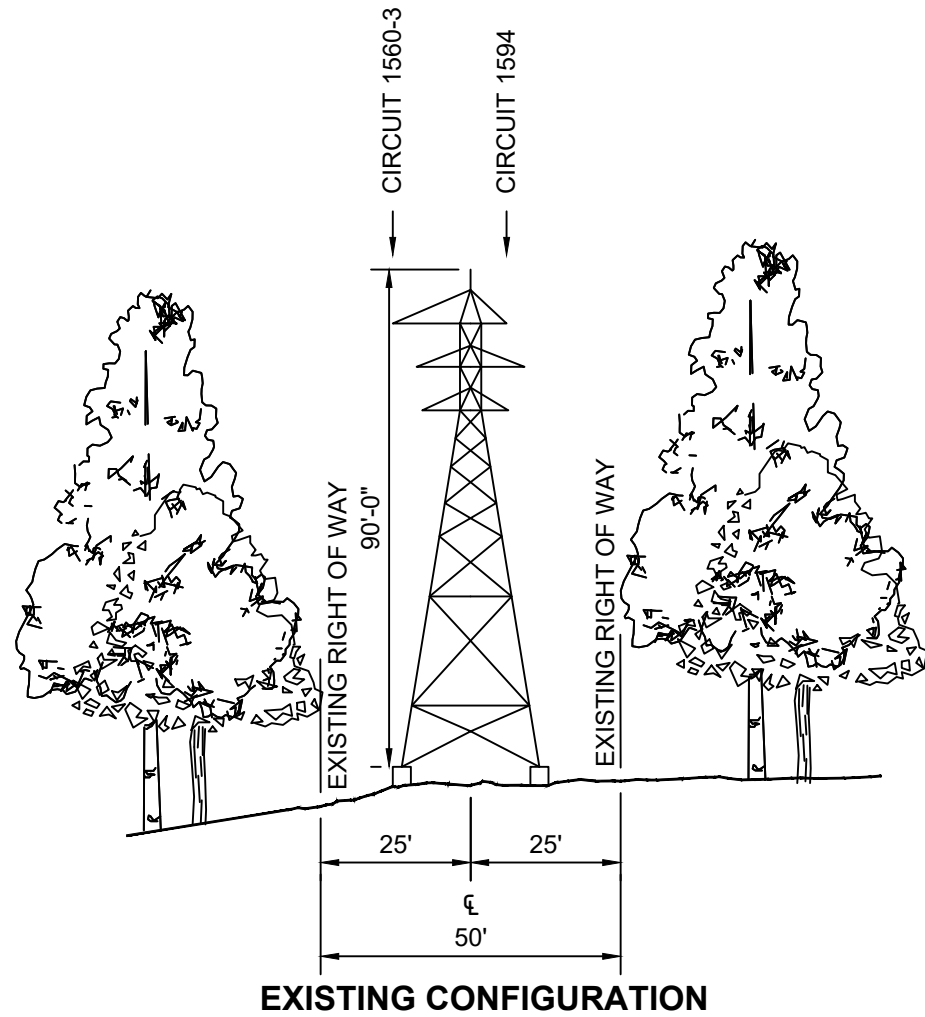
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REV	DESCRIPTION	DATE	BY	CK	APP		

XS-14

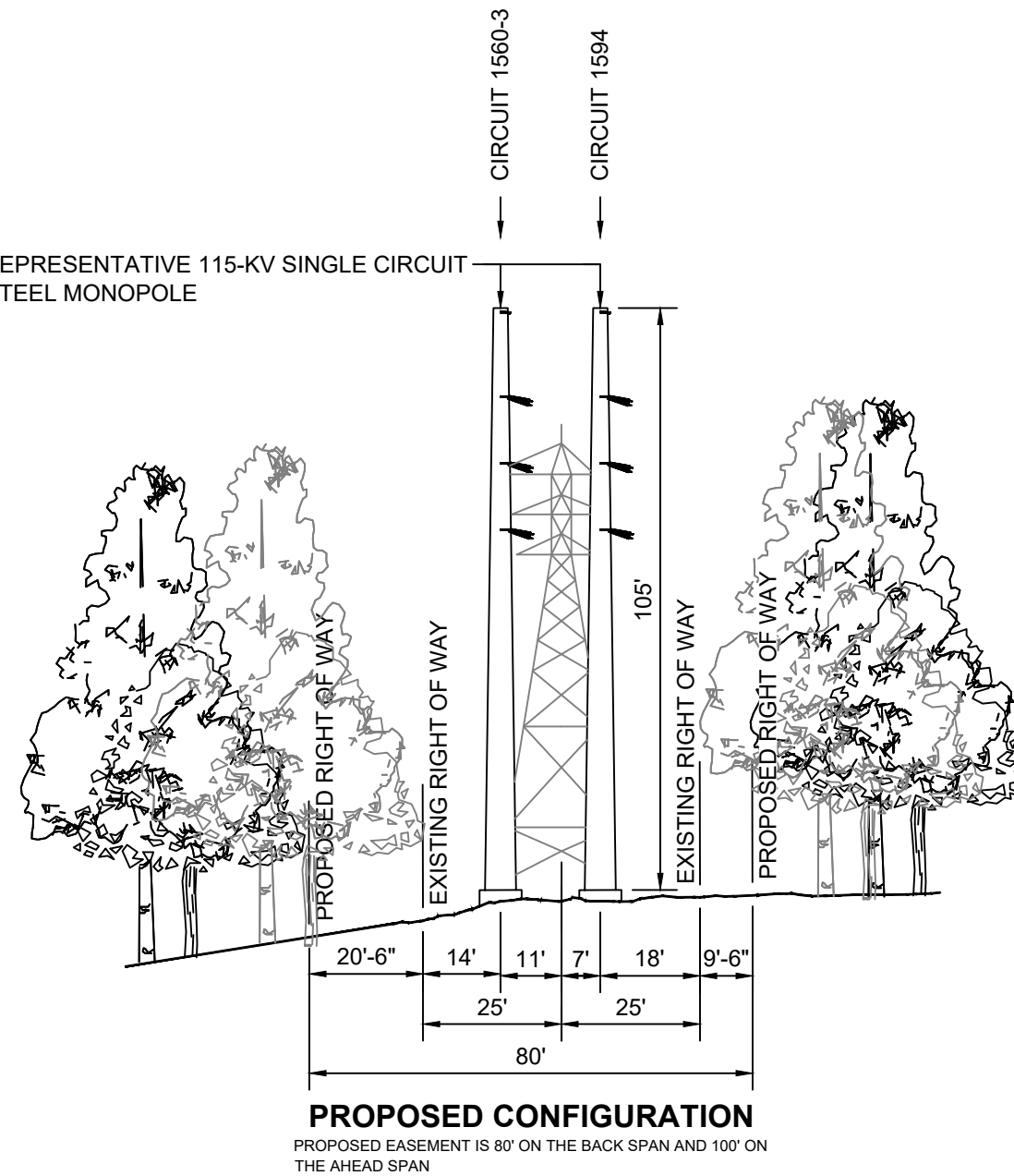
REV 0-0A

NOTES:

- EXISTING VEGETATION WITHIN THE UI ROW VARIES BY LOCATION. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
- TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 40'-0" FROM EACH STRUCTURE CENTER (32'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE UI ROW BOUNDARY IS LESS THAN 40'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSED TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL PERMANENT EASEMENT LOCATIONS.
- WIDTH OF ROW (EXISTING AND PROPOSED) WILL BE SUBJECT TO UI VEGETATION MANAGEMENT.



REPRESENTATIVE 115-KV SINGLE CIRCUIT STEEL MONOPOLE



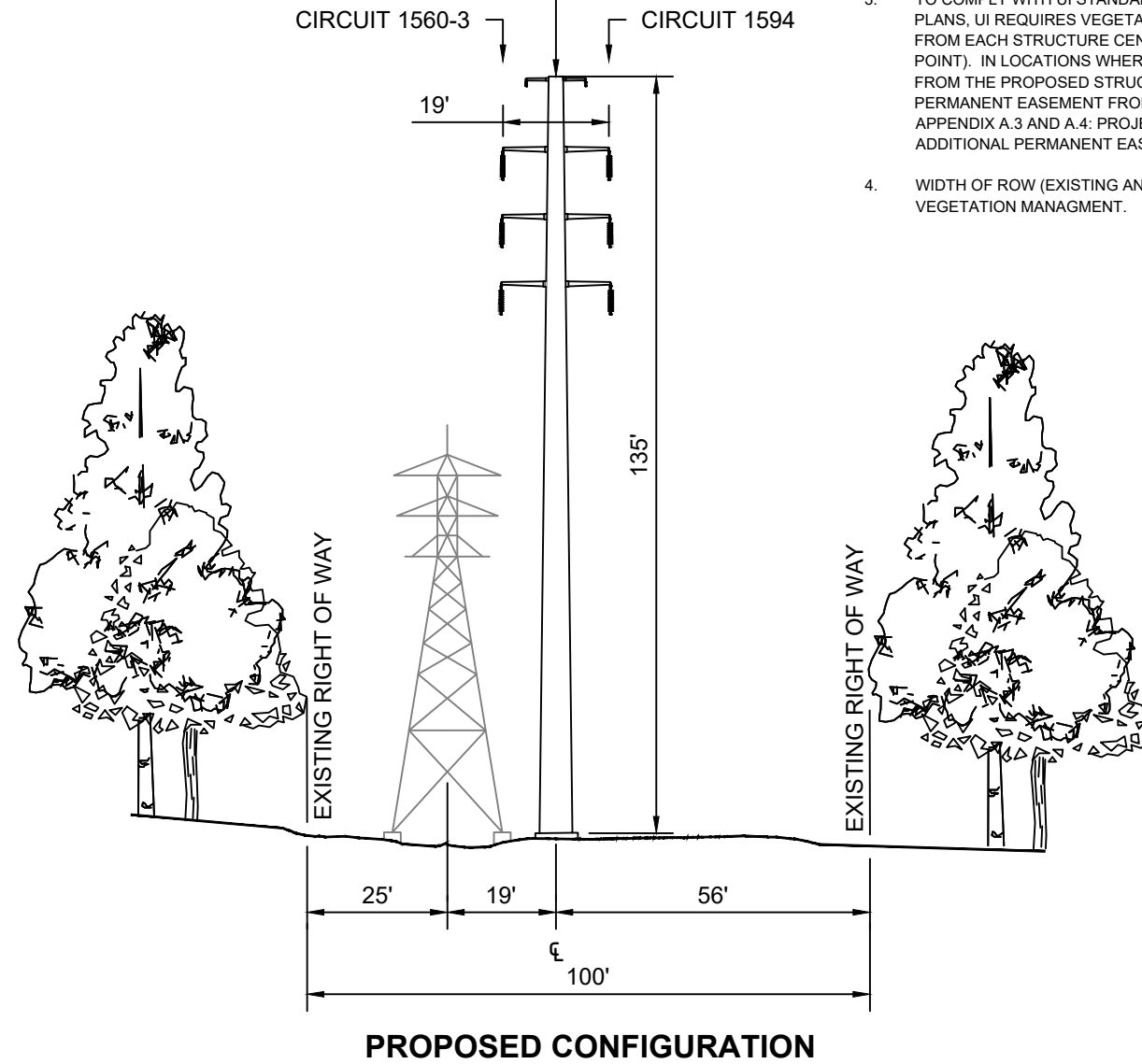
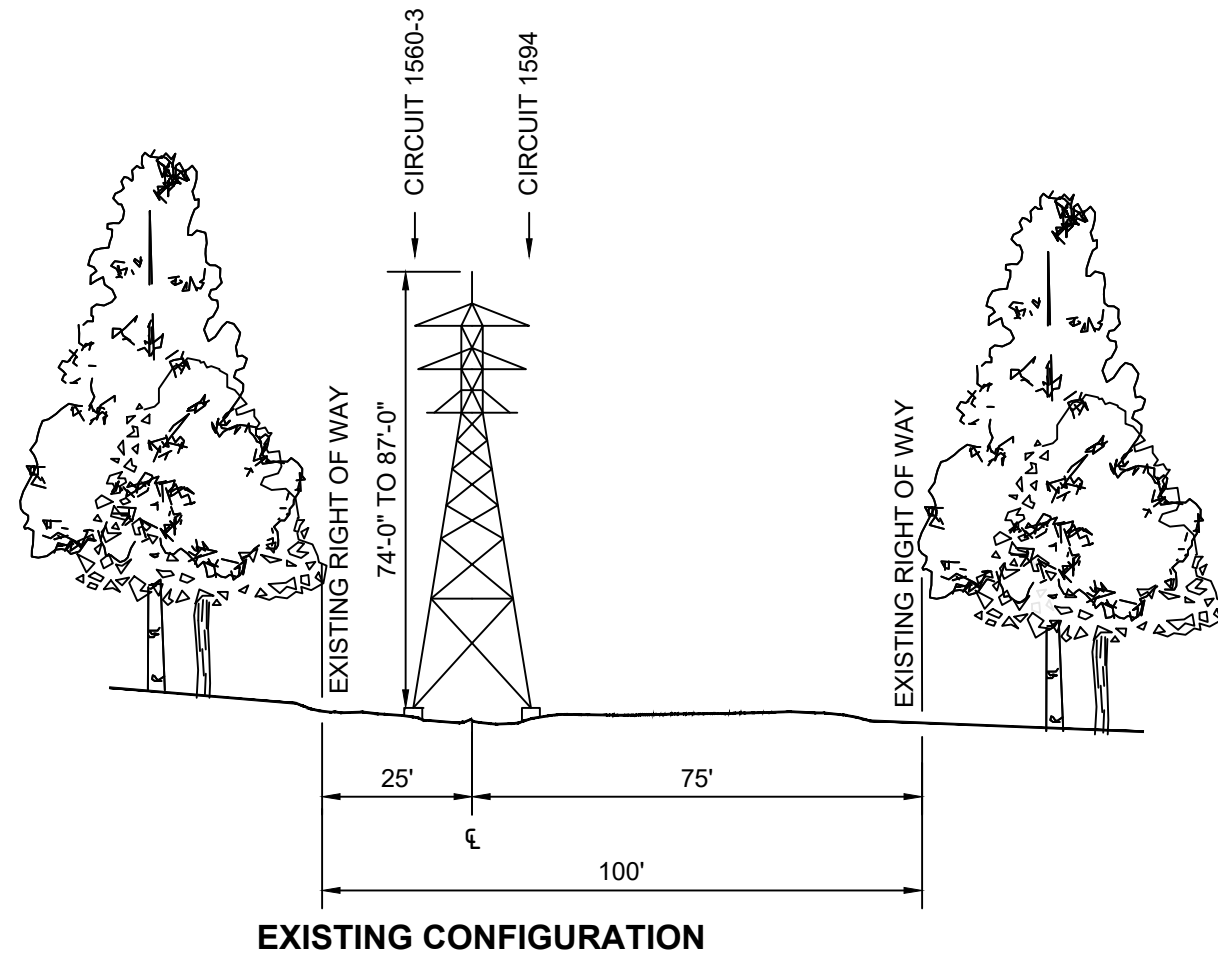
CONCEPTUAL - NOT FOR CONSTRUCTION

AVANGRID ENGINEERING								TYPICAL CROSS SECTION DIAGRAMS LOOKING EAST FROM WAKELEE STREET STR. 19A AND STR. 19B					
												CITY OF ANSONIA NEW HAVEN COUNTY	
								BY	HMS	SCALE: NTS	FILE:		
0-0A		ISSUED FOR REVIEW		04/18/2022		HMS		CK	SKK	NO.			
REV		DESCRIPTION		DATE		BY		APP	JRD	XS-15		REV	
								DATE:	04/18/2022			0-0A	

NOTES:

1. DEPICTED STRUCTURES ARE STEEL TANGENT STRUCTURES. DEADEND STRUCTURES WILL DIFFER WITH RESPECT TO WIRE ATTACHMENT CONFIGURATION.
2. EXISTING VEGETATION WITHIN THE UI ROW VARIES BY LOCATION. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
3. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 40'-0" FROM EACH STRUCTURE CENTER (32'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE UI ROW BOUNDARY IS LESS THAN 40'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSED TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO APPENDIX A.3 AND A.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL PERMANENT EASEMENT LOCATIONS.
4. WIDTH OF ROW (EXISTING AND PROPOSED) WILL BE SUBJECT TO UI VEGETATION MANAGEMENT.

REPRESENTATIVE 115-KV DOUBLE CIRCUIT STEEL MONOPOLE



CONCEPTUAL - NOT FOR CONSTRUCTION

AVANGRID ENGINEERING								TYPICAL CROSS SECTION DIAGRAMS			
								LOOKING SOUTH TOWARDS ANSONIA S/S			
								STR. 20 TO STR. 21			
								CITY OF ANSONIA		NEW HAVEN COUNTY	
								BY: HMS	SCALE: NTS	FILE:	
								CK: SKK	NO.		REV
								APP: JRD	XS-16		0-0A
REV	DESCRIPTION	DATE	BY	CK	APP	DATE	04/18/2022				

ANSI B 4/18/2022