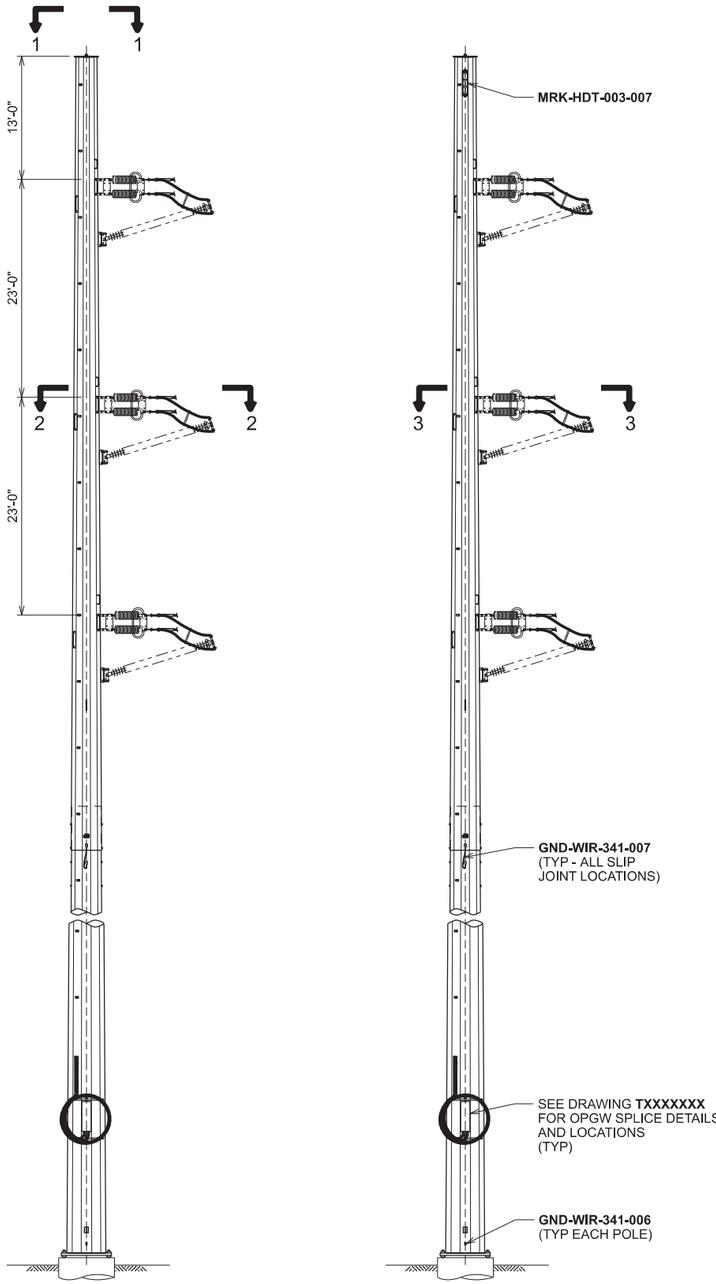
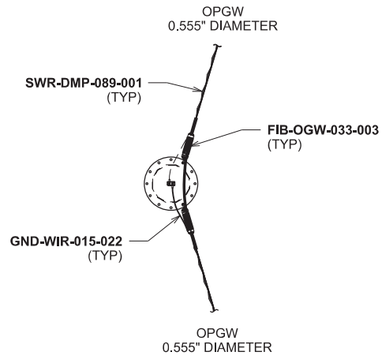
ATTACHMENT C: PLANS, REPRESENTATIVE PHOTOGRAPHS, AND SIMULATIONS

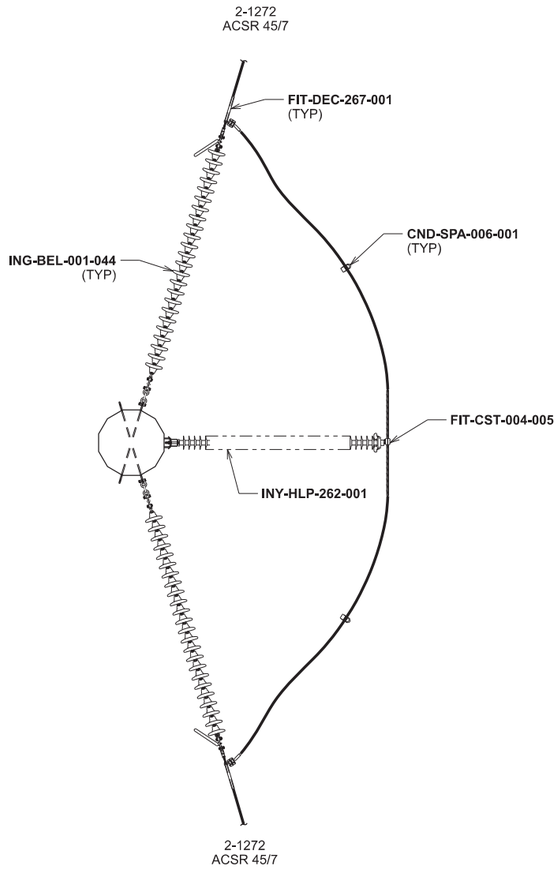
C1: Typical Transmission Pole Configurations



ELEVATION VIEW
SCALE: 1/16" = 1'-0"

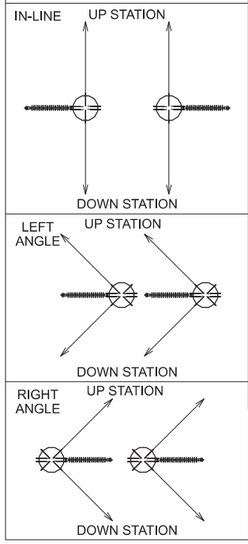


SECTION 1-1
OPGW SHIELD WIRE
SCALE: NONE
(TYPICAL BOTH POLES)



SECTION 2-2
CONDUCTOR
SCALE: NONE
(TYPICAL BOTH POLES)

JUMPER POST ORIENTATION



ASSEMBLY
STR SWDBHLZ1-P1
FOR STEEL POLES
LD T366C007

QTY	SUBASSEMBLIES
12	CND-SPA-006-001
4	FIB-OGW-033-003
3	FIT-CST-004-005
12	FIT-DEC-267-001
4	GND-WIR-015-022
2	GND-WIR-341-006
4	GND-WIR-341-007
6	ING-BEL-001-044
3	INY-HLP-262-001
1	MRK-HDT-003-007
4	SWR-DMP-089-001

ASSEMBLY
STR SWDBHLZ1-P2

QTY	SUBASSEMBLIES
3	FIT-CST-004-005
12	FIT-DEC-267-001
6	ING-BEL-001-044
3	INY-HLP-262-001

NOTE:

1. TWO SLIP JOINTS ASSUMED FOR BONDING SUBASSEMBLY GND-WIR-341-007 QUANTITY ON THIS TYPICAL DRAWING. ADDITIONAL QUANTITY WILL BE PROVIDED FOR POLES WITH MORE THAN TWO JOINTS.

DRAWING REFERENCE

PLAN & PROFILE _____ XXXXXXXX
SUBASSEMBLY INDEX _____ XXXXXXXX

THIS PE SEAL IS ONLY APPLICABLE TO THE CURRENT CONSTRUCTION REVISION

REV	DATE	WBS 4	REVISION DESCRIPTION
0	10/26/2021	A.0001672.004.001.003	IFC - INSTALLATION OF 345KV TRANSMISSION LINE

ISSUED BY ENGINEERING DEPT FOR: CONSTRUCTION

CIRCUIT 7251 345 kV

DEADEND (2 POLES)

Xcel Energy® | SWDBHLZ1-1 | SCALE: AS NOTED | REV: 0

SWDBHLZ1-1.DGN
8/26/2021 9:15:14 AM

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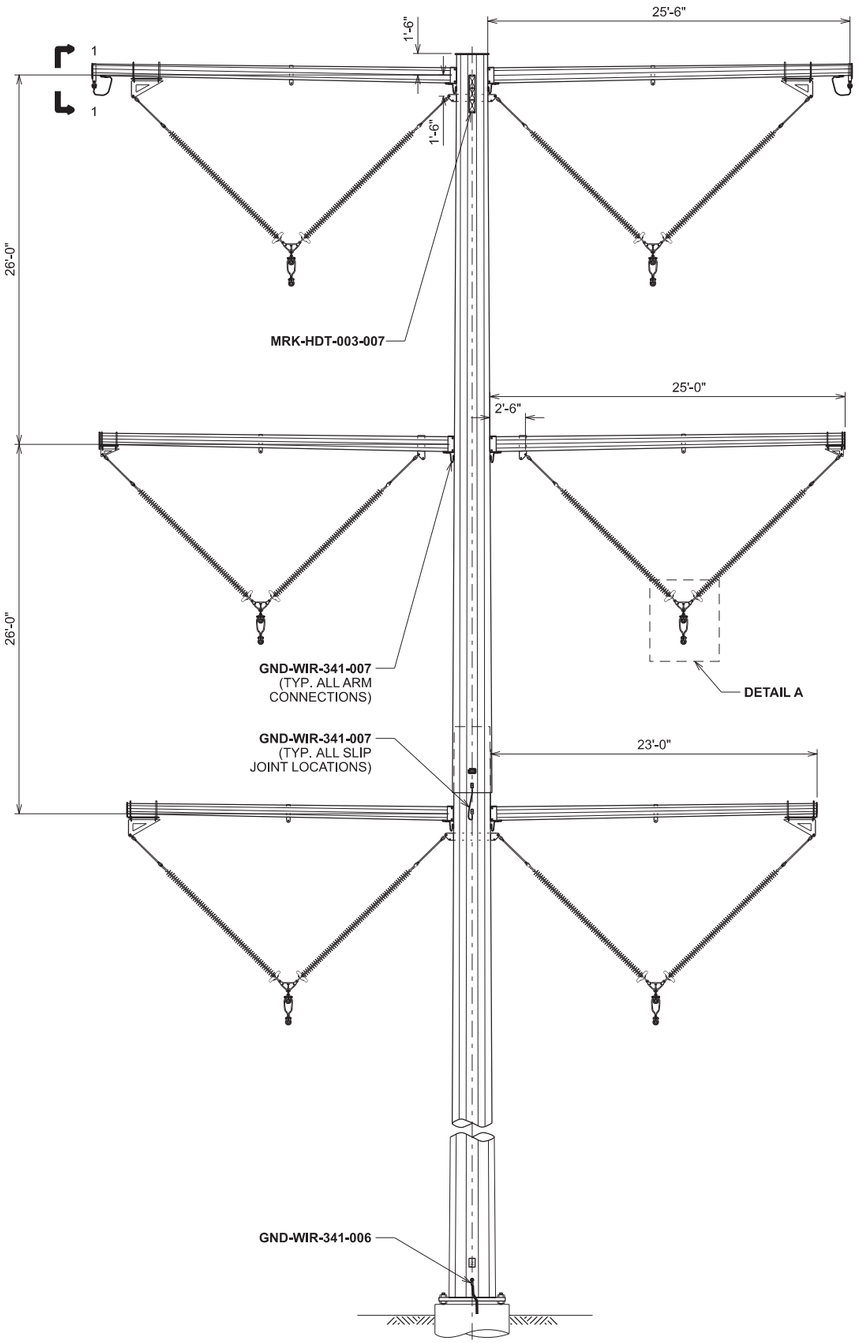
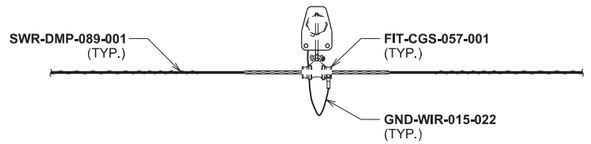
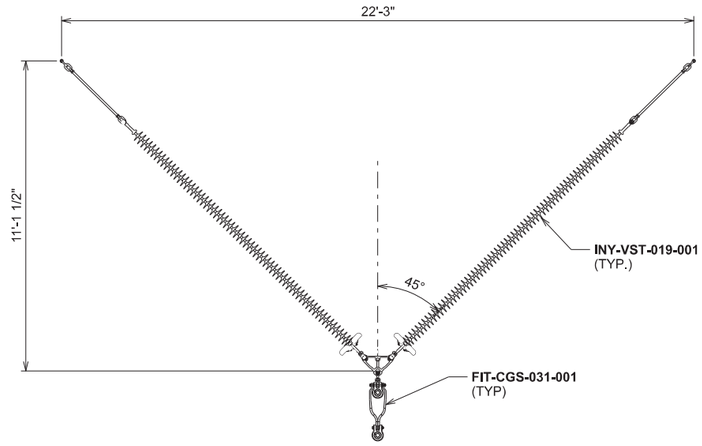


ELEVATION VIEW
LOOKING AHEAD



SECTION 1-1
OPGW
SCALE: NONE
TYPICAL BOTH SIDES



DETAIL A
CONDUCTOR SUSPENSION
SCALE: NONE

ASSEMBLY
STR SWSAHQZ1-P1
FOR STEEL POLES
LD T366C017

QTY	SUBASSEMBLIES
2	FIT-CGS-057-001
3	FIT-CGS-031-001
2	GND-WIR-015-022
1	GND-WIR-341-006
8	GND-WIR-341-007
3	INY-VST-019-001
1	MRK-HDT-003-007
4	SWR-DMP-089-001

ASSEMBLY
STR SWSAHQZ1-P2
FOR STEEL POLES
LD T366C017

QTY	SUBASSEMBLIES
3	FIT-CGS-031-001
3	INY-VST-019-001

NOTE:

1. TWO SLIP JOINTS ASSUMED FOR BONDING SUBASSEMBLY GND-WIR-341-007 QUANTITY ON THIS TYPICAL DRAWING. ADDITIONAL QUANTITY WILL BE PROVIDED FOR POLES WITH MORE THAN TWO JOINTS.

DRAWING REFERENCE

PLAN & PROFILE _____ T366G001
SUBASSEMBLY INDEX _____ T366X001

ELEVATION: <7,300 FT

REV	DATE	WBS 4	REVISION DESCRIPTION
0	10/26/2021	A.0001672.004.001.003	IFC - INSTALLATION OF 345KV TRANSMISSION LINE

ISSUED BY ENGINEERING DEPT FOR: CONSTRUCTION

CIRCUIT 7251 345 kV

TANGENT POLE

Xcel Energy® | SWSAHQZ1-1 | SCALE: AS NOTED | REV: 0

5330.1-345-4.DGN

8/2/2021 8:29:25 AM

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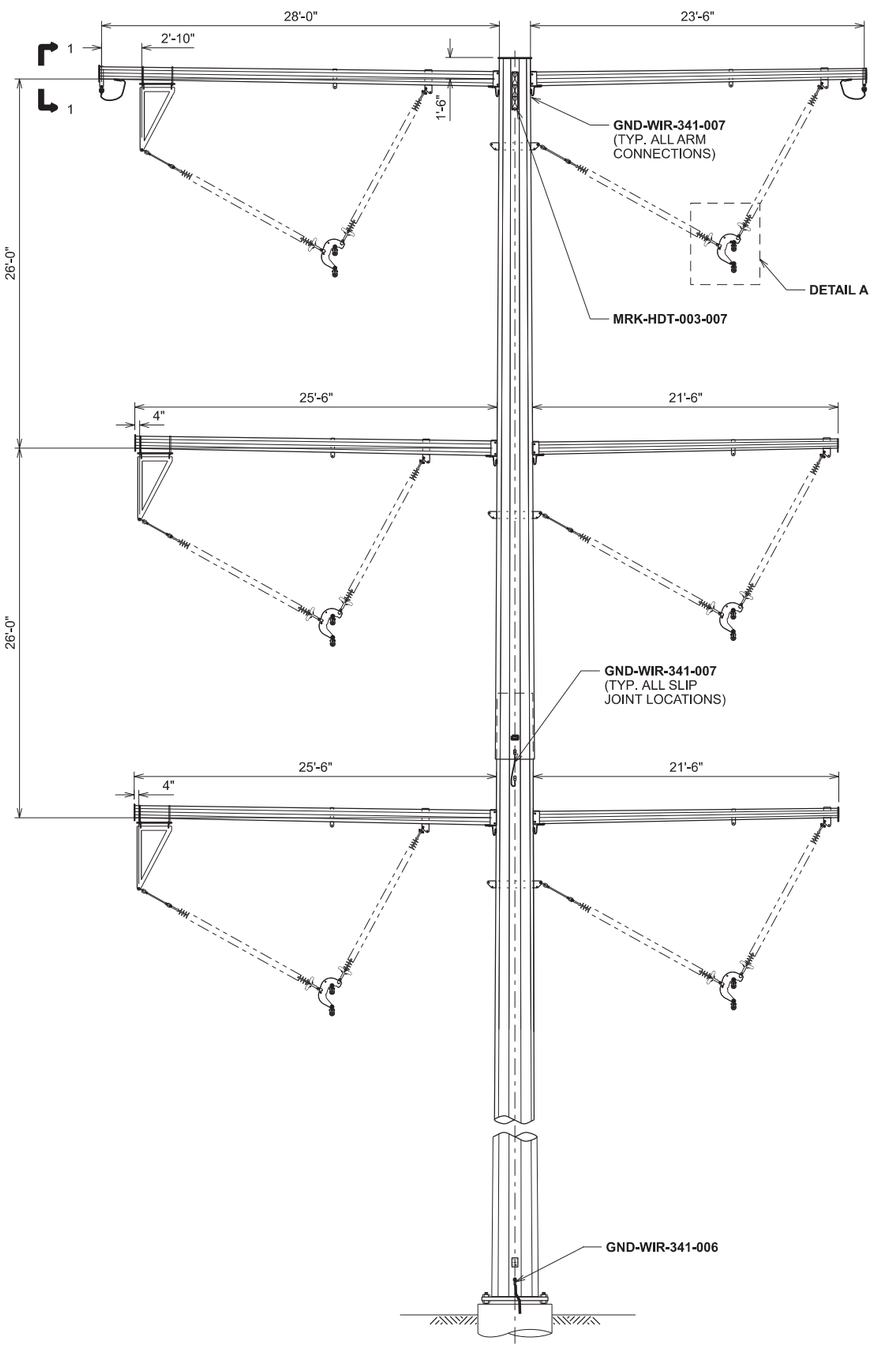
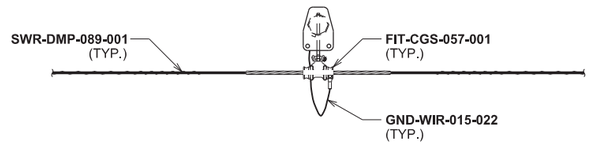
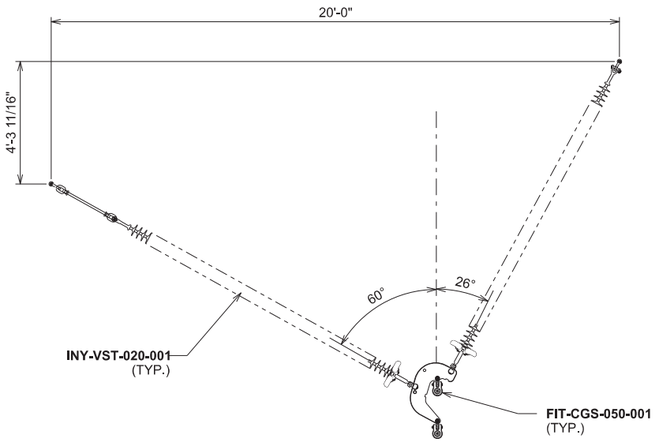


ELEVATION VIEW



SECTION 1-1
OPGW
SCALE: NONE
TYPICAL BOTH SIDES



DETAIL A
CONDUCTOR SUSPENSION
SCALE: NONE

POLE SHOWN IS RIGHT (POSITIVE) ANGLE CONFIGURATION - ROTATE 180° FOR LEFT (NEGATIVE) ANGLE CONFIGURATION

ASSEMBLY
STR SWSAHQZ2-P1
FOR STEEL POLES
LD T366C028

QTY	SUBASSEMBLIES
2	FIT-CGS-057-001
6	FIT-CGS-050-001
2	GND-WIR-015-022
1	GND-WIR-341-006
8	GND-WIR-341-007
3	INY-VST-020-001
1	MRK-HDT-003-007
4	SWR-DMP-089-001

ASSEMBLY
STR SWSAHQZ2-P2
FOR STEEL POLES
LD T366C028

QTY	SUBASSEMBLIES
6	FIT-CGS-050-001
3	INY-VST-020-001

NOTE:

1. TWO SLIP JOINTS ASSUMED FOR BONDING SUBASSEMBLY GND-WIR-341-007 QUANTITY ON THIS TYPICAL DRAWING. ADDITIONAL QUANTITY WILL BE PROVIDED FOR POLES WITH MORE THAN TWO JOINTS.

DRAWING REFERENCE

PLAN & PROFILE _____ T366G001
SUBASSEMBLY INDEX _____ T366X001

ELEVATION: <7,300 FT

REV	DATE	WBS 4	REVISION DESCRIPTION
0	10/26/2021	A.0001672.004.001.003	IFC - INSTALLATION OF 345KV TRANSMISSION LINE

ISSUED BY ENGINEERING DEPT FOR: CONSTRUCTION

CIRCUIT 7251 345 kV

ANGLE POLE

Xcel Energy® SWSAHQZ2-1 SCALE AS NOTED REV 0

5340.1-345-18.DGN

8/18/2021 11:50:49 AM

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C2: Representative Photographs

Representative Substation

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Representative Transmission Line

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C3: Representative Photographic Simulations

TRANSMISSION POLE SIMULATION

EXISTING TRANSMISSION CORRIDOR

SIMULATED CONDITIONS

EXISTING CONDITIONS

Distance to Nearest Link:	Adjacent, along road
Pole Height:	140 feet
Pole Spacing:	950 feet

PRELIMINARY,
SUBJECT TO CHANGE

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TRANSMISSION POLE SIMULATION

RURAL HIGHWAY

SIMULATED CONDITIONS

EXISTING CONDITIONS

Distance to Nearest Link:	Adjacent, along road
Pole Height:	140 feet
Pole Spacing:	950 feet

PRELIMINARY,
SUBJECT TO CHANGE

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TRANSMISSION POLE SIMULATION

RURAL RESIDENTIAL AND PASTURE

SIMULATED CONDITIONS

EXISTING CONDITIONS

Distance to Nearest Link:	Adjacent, along road
Pole Height:	140 feet
Pole Spacing:	950 feet

PRELIMINARY,
SUBJECT TO CHANGE

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TRANSMISSION POLE SIMULATION

RURAL RESIDENTIAL AND AGRICULTURE WITH EXISTING DISTRIBUTION LINE

SIMULATED CONDITIONS

EXISTING CONDITIONS

Distance to Nearest Link:	1.4 miles
Pole Height:	140 feet
Pole Spacing:	950 feet

PRELIMINARY,
SUBJECT TO CHANGE

The information contained herein is believed to be accurate and suitable for limited internal uses only. Xcel Energy/Public Service Company of Colorado makes no warranty as to the accuracy or suitability of any information contained herein for use by third parties. The accuracy of this information depicted should be verified prior to use. The user shall assume all risk and responsibility for any and all damages, including consequential damages, which may arise from the user's reliance on this information.

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TRANSMISSION POLE SIMULATION

EXISTING ELECTRIC CORRIDOR

SIMULATED CONDITIONS

EXISTING CONDITIONS

Distance to Nearest Link:	0.8 mile
Pole Height:	140 feet
Pole Spacing:	950 feet

PRELIMINARY,
SUBJECT TO CHANGE

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TRANSMISSION POLE SIMULATION

RURAL LANDSCAPE

SIMULATED CONDITIONS

EXISTING CONDITIONS

Distance to Nearest Link:	0.5 mile
Pole Height:	140 feet
Pole Spacing:	950 feet

PRELIMINARY,
SUBJECT TO CHANGE

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TRANSMISSION POLE SIMULATION

RURAL LANDSCAPE

SIMULATED CONDITIONS

EXISTING CONDITIONS

Distance to Nearest Link:	2.0 miles
Pole Height:	140 feet
Pole Spacing:	950 feet

PRELIMINARY,
SUBJECT TO CHANGE

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TRANSMISSION POLE SIMULATION

AGRICULTURAL LANDSCAPE

SIMULATED CONDITIONS

EXISTING CONDITIONS

Distance to Nearest Link:	Adjacent, along road
Pole Height:	120 feet
Pole Spacing:	900 feet

PRELIMINARY,
SUBJECT TO CHANGE

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TRANSMISSION POLE SIMULATION

GENERIC LANDSCAPE

SIMULATED CONDITIONS

EXISTING CONDITIONS

Distance to Nearest Link:	1,000 ft
Pole Height:	120 feet
Pole Spacing:	900 feet

PRELIMINARY,
SUBJECT TO CHANGE

The information contained herein is believed to be accurate and suitable for limited internal uses only. Xcel Energy/Public Service Company of Colorado makes no warranty as to the accuracy or suitability of any information contained herein for use by third parties. The accuracy of this information depicted should be verified prior to use. The user shall assume all risk and responsibility for any and all damages, including consequential damages, which may arise from the user's reliance on this information.

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TRANSMISSION POLE SIMULATION

RESIDENTIAL LANDSCAPE

SIMULATED CONDITIONS

EXISTING CONDITIONS

Distance to Nearest Link:	1.0 mile
Pole Height:	120 feet
Pole Spacing:	900 feet

PRELIMINARY,
SUBJECT TO CHANGE

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TRANSMISSION POLE SIMULATION

AGRICULTURAL LANDSCAPE 2

SIMULATED CONDITIONS

EXISTING CONDITIONS

Distance to Nearest Link:	2.0 miles
Pole Height:	120 feet
Pole Spacing:	900 feet

PRELIMINARY,
SUBJECT TO CHANGE

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TRANSMISSION POLE SIMULATION

GRASSLAND

SIMULATED CONDITIONS

EXISTING CONDITIONS

Distance to Nearest Link:	2.0 miles
Pole Height:	120 feet
Pole Spacing:	900 feet

PRELIMINARY,
SUBJECT TO CHANGE

The information contained herein is believed to be accurate and suitable for limited internal uses only. Xcel Energy/Public Service Company of Colorado makes no warranty as to the accuracy or suitability of any information contained herein for use by third parties. The accuracy of this information depicted should be verified prior to use. The user shall assume all risk and responsibility for any and all damages, including consequential damages, which may arise from the user's reliance on this information.

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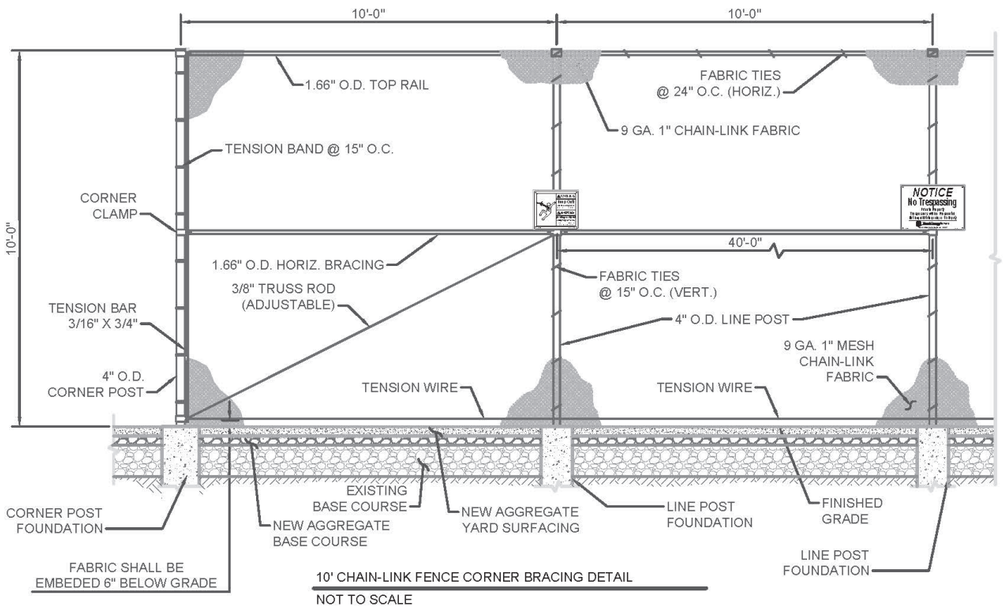
C4: Typical Fence Photographs

Xcel Energy®

REPRESENTATIVE FENCE PHOTOGRAPHS & DETAIL



10' CHAIN-LINK FENCE CORNER BRACING DETAIL

NOT TO SCALE

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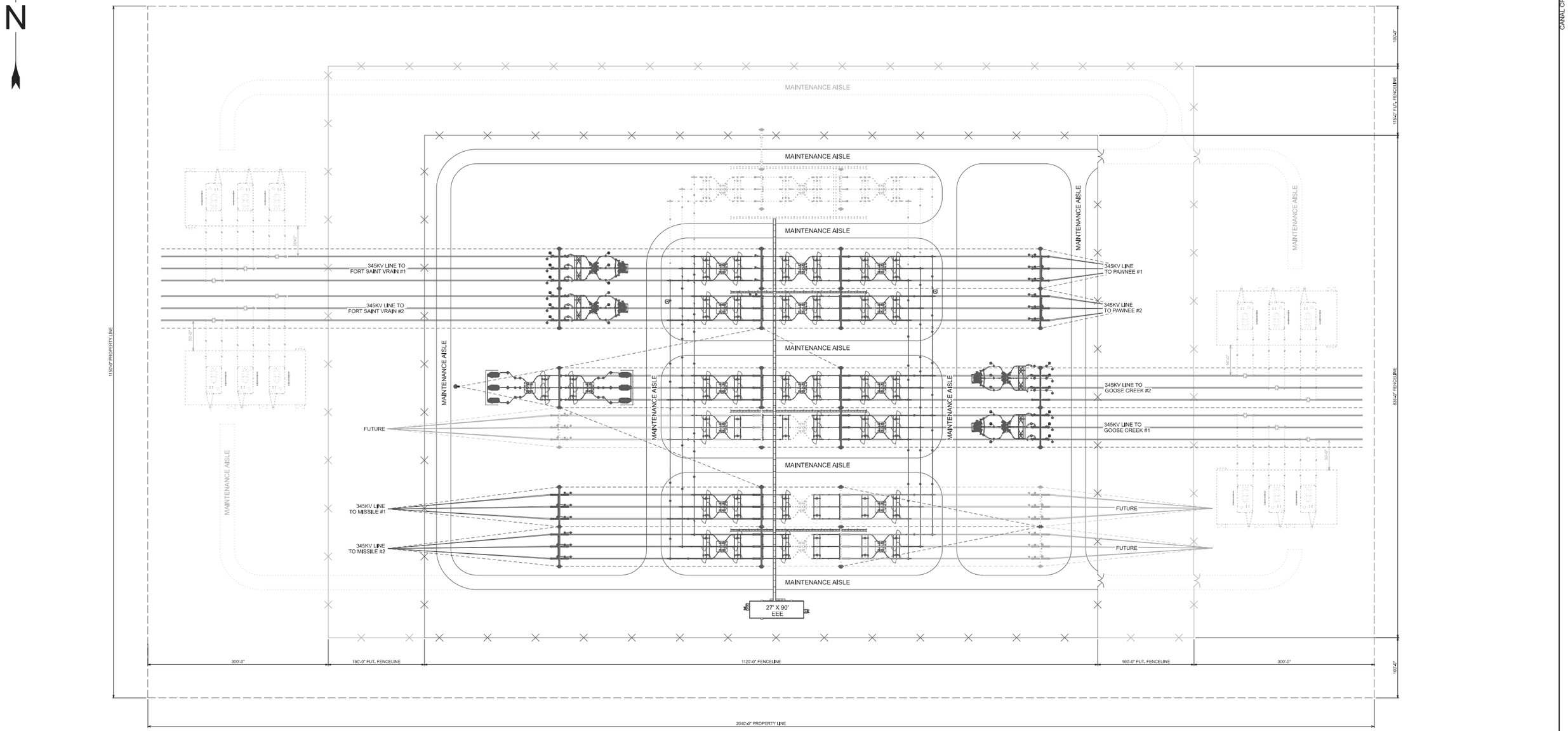
C5: Canal Crossing Substation General Arrangement



PRELIMINARY
NOT FOR CONSTRUCTION

0 80' 160' 240' 320' 400'

SCALE IN FEET
1" = 80'

REV	DATE	WBS 4	REVISION DESCRIPTION
0	2021/01/21	-	PRELIMINARY - PAWNEE WEST - 345KV ERP
1	2021/02/24	-	PRELIMINARY - UPDATED STATION NAMES

ISSUED BY ENGINEERING DEPT FOR: PRELIMINARY

CANAL CROSSING
ULTIMATE ARRANGEMENT
345KV PLAN

Xcel Energy® | CANAL CROSSING - EAST-WEST -GA | SCALE 1"=80'-0" | REV 1

CANAL CROSSING EAST-WEST.DGN
4/15/2022 3:46:44 PM

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