0" = .00 4" = .33 8" = .67 icensee MCIMetro Pole Total owest power at pole may be neutral, secondary, top of terminal riser, bottom of drip loops, et Licensee # Horton Spoke 3 1" = .08 5" = .42 9" = .75 # of New Location St Paul, MN
PPA# 8429 2" = .17 6" = .50 10" = .83 # of Overlash 3" = .25 7" = .58 11" = .92 Attachment Total 48" from power cable bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light bracket / drip loop | 12" from street light b For Xcel Energy Use Only Power Pole & Equipmen Proposed Modifications / Make-Ready Necessary to Allow for Attachment Approved / Denied / Approved with Conditions Make Ready Required / Comments Street Light Bracket / Highest Existing Drip Loop (Lowest) Communic. At Pole (1) Pole (2) Pole (3) Risers Height for New Cable Cable Height (Numer Shift) Ca
 Pole No. (on Map)
 New (N) or Overlash (O)
 Xcel Energy GIS Pole ID
 Clmetro will need to attach their new line at 12" under the Q-1 (Century Link) line. MCImetro will need to place an 37742593 26.17 anchor & down guy north. 25 23.75 22.92 21.92 37740535 31.25 0.37 | Tangent | 27.9 MCImetro will need to attach their new line at 12" under the Q-1 (Century Link) line. Approved 26 XFMR 31.42 27.83 27.08 26.08 MCImetro will need to attach their new line at 12" under the Q-1 (Century Link) line 27 3774052 33.83 29.67 23.75 22.58 MCImetro will need to attach their new line at 12" under the Q-1 (Century Link) line. Approved 28 29.42 24.92 1.03 0.37 Tangent 48.8 58.1% MCImetro will need to attach their new line at 12" under the Q-1 (Century Link) line. Approved Elmetro will need to contact the owner of A-1 (Comcast) to resag their 235' span to the south up to the maxim height. Note: the excess slack will need to be pushed another 168' to pole 31 which is a deadend where it can be 29 taken out. MCImetro will need to contact the owner of Q-1 (Century Link) to resag their 235' span to the south up to the maximum height. Note: the excess slack will need to be pushed another 168' to pole 31 which is a deadend A1 Re-sag span South. 24.17 23.25 22.25 30.42 21.92 16.00 3774051 where it can be taken out. MCImetro will need to attach their new line at 12" under the Q-1 (Century Link) line MCImetro will need to attach their new line at 12" under the Q-1 (Century Link) line. Note: the excess slack from 30 37740415 24.92 21.33 21.42 20.42 16.08 makeready work on previous pole 29 to continue forward to pole 31. MCImetro will need to attach their new line at 12" under the Q-1 (Century Link) line. MCImetro will need to place an anchor & down guy south. Note: the excess slack from makeready work on previous pole 29 to be removed at this 31 22.42 21.00 20.00 XFMR, STL 24.92 25.75 22.08 19.00 12.50 MCImetro will need to attach their new pole to pole guy from pole 31 at 12' 06". 37740421 P-P G 0.37 | Tangent | 48 33 23.75 20.67 22.08 Century Link owned pole 34 A1 Raise 12" to 21'2". This will require a splice in the COAX riser. CTL Raise 18" to 20'2" 37761638 STL, Riser 29.50 18.67 30.08 Century Link owned pole. 20.33 37761626 XFMR CTL Rotate terminal 90 degrees. Century Link owned pole. 26.50 20.75 23.00 44.04 MCImetro will need to attach their new line at 12" under the Q-1 (Century Link) line 28.08 21.83 19.08 37761632 CTL Rotate terminal 90 degrees. Century Link owned pole. 38 17.58 XFMR 31.83 19.17 16.58 16.75 45-5 29.42 PASS MCImetro will need to attach their new line at 12" under the Q-1 (Century Link) line 39 18.58 17.58 1.03 0.37 Tangent 51 37762667 24.67 26.25 20.42 PASS PASS 40-5 Riser Century Link owned pole. 40 21.58 1.03 0.37 Tangent 42.7 44.8% 37756598 Century Link owned pole. A1 Lower 33" to 19'11" and re-sag. PTS, Riser 22.67 19.08 18.08 16.00 6.96 PASS CTL Re-sag span west. Approved MCImetro will need to attach their new line at 12" under the Q-1 (Century Link) line. Re-Frame and raise cabled secondary to 24'10". Secondary is wrapped around the face of pole. A1 Raise 24" to 19'1" CTL Raise 34" to 18'1" 25.83 17.08 Century Link owned pole. 43 XFMR, STL 18.08 MCImetro will need to contact the owner of Q-1 (Century Link) to rotate their terminal box from the north side of the ole to the east side. MCImetro will need to attach their new line at 12" under the Q-1 (Century Link) line. MCImetro 44 XFMR, STL CTL Rotate terminal 90 degrees. will need to place an anchor & down guy west. 20.50 1.03 0.37 Tangent 47.1 50.0% 20.00 22.00 A1 Lower 12" to 21'0" 0.37 End 18.8 Century Link owned pole. 20.75 18.50 1.03 0.37 End 43.9 Century Link owned pole. 18.25 28.58 Century Link owned pole 48 24.00 23.58 19.58 18.08 Century Link owned pole. 49 18.17 16.33 XFMR, STL 37770963 Century Link owned pole. 18.17 19.50 20.50 37770969 Century Link owned pole. 51 37770975 CTL Pole XFMR 19.83 18.08 20.83 1.03 0.37 Tangent 29.4 32.2% MCImetro will need to attach their new line at 12" above the A-1 (Comcast) line. 52 24.92 19.17 17.83 20.17 PASS PASS PASS PASS 19.58 PASS 19.17 PASS 1.03 0.37 Tangent 32.3 Century Link owned pole 53 24.42 26.25 18.08 16.00 19.08 PASS 18.08 PASS PASS PASS PASS 19.08 PASS 83 1.03 0.37 Tangent 42.4 46.7% Century Link owned pole. 54 PASS PASS 1.03 0.37 Tangent 36.5 STL Bond to ground, place split duct over STL drip loops. A1 Lower 14" to 18'6" CTL Lower 6" TO 17' 6" XFMR, STL 37770999 23.50 20.67 19.42 18.58 21.67 19.83 **PASS** PASS PASS 43.4% 45-4 Century Link owned pole 57 A1 Lower 14" to 19'2" XFMR 19.17 CTL Lower top attachment to 18'2' 37752188 CTL Pole 20.33 20.33 1.03 0.37 Tangent 32.5 36.3% Century Link owned pole 19.75 21.83 Century Link owned pol XFMR 20.92 19.00 23.00 0.37 | Tangent | 46.5 Century Link owned pole 19.42 21.08 Century Link owned pol A1 Lower 12" to 18'6" CTL Lower 12" to 17'6" XFMR, STL, Riser 22.33 19.50 18.50 Century Link owned pole 62 1.03 0.37 Tangent 45.7 49.8% XFMR 18.75 Century Link owned pole. 18.75 Riser, STL 27.83 37752299 Century Link owned pole Place U-Guard extensions over both power riser- Extend to 23'0"
A1 Lower 23" to 18'8"
CTL Lower 12" to 17'8" XFMR, Riser 21.67 20.58 18.67 Century Link owned pole 37752311 XFMR, STL 19.50 A1 Lower 11" to 20'5" Century Link owned pole 66 Attach bottom secondary to existing 3 spool bracket. 19.00 Century Link owned pole. 25.67 20.00 23.00 22.00 MCImetro will need to attach their new line at 12" above the A-1 (Comcast) line. MCImetro will need to attach their new line at 12" above the A-1 (Comcast) line. 69 37752353 19.75 XFMR, Riser 27.67 21.83 22.83 PASS 45-4 MCImetro will need to attach their new line at 12" above the A-1 (Comcast) line. Approved 70 20.58 MCImetro will need to attach their new line at 12" above the A-1 (Comcast) line. 22.42 Approved 17.50 37752839 19.00 MCImetro will need to attach their new line at 12" above the A-1 (Comcast) line. 21.25 26.50 22.17 19.92 23.17 PASS PASS MCImetro will need to attach their new line at 12" above the A-3 (Zayo Group) line. Clmetro will need to contact the owner of Q-1 (Century Link) to lower their line 12". MCImetro will need to contact owner of A-1 (Comcast) to lower their line to 12" above the adjusted Q-1 (Century Link) line. MCImetro will nee Approved with Conditions A1 Lower 24" to 18'7" and re-sag span West. CTL Lower 12" to 17'7" to attach their new line at 18" above the adjusted A-1 (Comcast) line. Note: MCImetro will be 18" above the XFMR 20.58 18.58 19.58 19.25 Comcast line due to a Xcel Energy pole to pole guy frame at 12". MCImetro will need to contact the owner of Q-1 (Century Link) to lower their line 24". MCImetro will need to contact Approved with Conditions ne owner of A-1 (Comcast) to lower their line to 12" above the adjusted Q-1 (Century Link) line. MCImetro will nee to attach their new line at 12" above the adjusted A-1 (Comcast) line. A1 Lower 30" to 21'4" 37752629 CTL Pole XFMR, STL 22.33 PASS 1.03 0.37 Tangent 80.2 83.3% 23.83 CTL Lower 24" to 20'4" A1 Complete transfer to new pole. Extend power supply weather 75 18.58 1.03 0.37 Tangent 39.6 42.8% MCImetro will need to attach their new line at 12" above the A-1 (Comcast) line. 16.00 17.75 XFMR,STL 16.75 MCImetro will need to attach their new line at 12" above the A-1 (Comcast) line. A1 Lower 15" to 17'11" CTL Lower 12" to 16'11" XFMR 17.92 Century Link owned pole 78 25.67 17.83 16.50 Century Link owned pole. 79 Cap Bank, Riser 18.83 MCImetro will need to attach their new line at 12" above the A-1 (Comcast) line. A1 Lower 22" to 20'0" CTL Lower to 19'0" 80 Riser, STL 21.83 21.00 Century Link owned pole. XFMR 17.83 16.92 MCImetro will need to attach their new line at 12" above the A-1 (Comcast) line. 82 33752713 30.50 25.00 18.83 17.33 20.83 Century Link owned pole. 83 40-5 26.75 24.50 20.33 17.83 21.33 **PASS** PASS PASS PASS PASS MCImetro will need to attach their new line at 12" above the A-1 (Comcast) line. 33753274 Approved 84 A1 Frame to pole at 18'6" XFMR 19.17 18.50 19.50 CTL Lower 12" to 17'6" 21.33 18.83 MCImetro will need to attach their new line at 40" under the 3-wire secondary line. Approved MCImetro will need to contact the owner of Q-1 (Century Link) to lower their top line down to their lower line and re-frame that attachment as a T-lead frame. MCImetro will need to contact the owner of A-1 (Comcast) to lower their line into the old top Q-1 (Century Link) position. A1 Lower 11" to 18'3" XFMR 21.25 19.17 18.25 19.17 43.92 CTL Lower top attachment to single point at 17'4" 18.75 86 19.17 20.17 18.17 PASS PASS PASS PASS PASS PASS 86 1.03 0.37 Tangent 35.6 38.0% 25.92 24.00 Approved MCImetro will need to attach their new line at 12" above the A-1 (Comcast) line. 87 MCImetro will need to attach their new line at 12" above the A-1 (Comcast) line. MCImetro will need to place an 37753310 XFMR 25.67 22.67 19.83 18.83 21.00 PASS PASS PASS PASS PASS PASS PASS 126 1.03 0.37 End 50.5 55.8%

UC/Synergetic Design

P.O. Box #550 Cottage Grove, MN 55016 (612)-991-7267

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February 14, 2019

Notify #766723

RE: MCImetro Access Transmission Services Corp., Facility Attachment Asset Permit Application APA8429, in St. Paul, MN.

Xcel Energy Facility Attachments 825 Rice St. St. Paul, MN 55117

I have completed the site inspection and technical review of MCImetro Access Transmission Services Corp. application, permit number APA8429. I have determined that all poles as indicated on the sketch can be attached to without any rearrangements or pole change-outs with the exception of the poles listed below. This determination was made by referencing the requirements for communications attachments found in the "Xcel Energy Electric Distribution Design and Construction Standards" manual.

It is the attaching utilities responsibility to make sure that all NESC and local ordinances for vertical clearance above surfaces (roads, alleys, fields, buildings etc.) are met.

Note!

Total count of poles checked = 63. 30 – New Attachments

30 poles are owned by Xcel Energy. 33 poles are foreign owned. Total of 30 Xcel Energy poles can be attached to on this request.

Measurements were taken on February 2 with an ambient temperature of +14° F.

Poles of concern needing some sort of modification to meet clearance requirements are as follows:

See notes in Xcel Energy Use Only columns of the Attachment Information sheet.

Please note: Attachments must be tagged for communication ownership on every pole. Upon completion of project, Xcel Energy must be notified to complete a post inspection.

Estimated costs for any required "make-ready" work will be provided by Xcel Energy Design Staff upon request. Attachments cannot be made until the cost estimate is approved, payment is made, and the requesting party is notified by Xcel Energy that the "make-ready" work has been completed in the field.

Any communication attachments that do not currently meet minimum required NESC clearances from electrical conductors must only be maintained by electrically qualified workers. Please contact Xcel Energy for assistance with correcting any such existing clearance violations or to create a work environment that is safe for any employees and contractors of the Lessee's to perform such work.

Sincerely,

Jeff Renwick

geff Remort

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Page 2
 Joint Use Technician
 UC/Synergetic Design Inc.

February 13, 2019



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Xcel Energy Permit #		Licensee Permit # Horton Spoke 3-2										
Company d/b/a/ Xcel Energy ("Electri	c Company") and MCImetre cc 31, 2008 <u>- PLA signature d</u>	Agreement between Northern States Power of Access Transmission Services Corp, d/b/a ate-do not change). Capitalized terms used in ement unless otherwise indicated.										
No	te: This Section only to be C	ompleted by Licensee										
Number of Attachments Requested	Remove from Poles Over Lash to Poles	No. of poles										
Pole Locations – Address	Starting on N Prior Ave, at Xcel pole# 37742593, head South to the alley South of Inglehart Ave. Follow the alley West to Xcel pole# 37756487. Then rise up Xcel pole# 37770951, in the alley South of W Grand Ave at the intersection of N Cleveland Ave. Follow the alley East to Xcel pole# 37753310.											
City, County, and State	St Paul, Ramsey County, MI	N										
Map Showing Pole Locations	See Attachment 1: Clearance and Pole Loading Worksheets See Attachment 2											
Description of Equipment to be Attached to Poles	864ct Ribbon Fiber lashed to	a ¼" EHS Strand.										
Licensee contact for emergencies	Mitchel VandenPlas											
Name: (print) Inc. Agent for MCI MCImetro Access	s – Mi-Tech Services, Metro Access Tit Transmission Services	dress: 612-246-4906 ex 4024 Regional Project Manager 7383 County Rd 140, Cologne, MN 55322										
ELECTRIC COMPANY	************	****************										
Signature:		All Approved All Denied (See attached)										
Name (print):		Approved With Conditions (See Attached Report) # of Attachments Approved: =										
Title:		Date:										
Modifications required (see attachment)		as on attached report and subject to Licensee's compliance atts of the agreement, NESC, and other applicable state and tions.										

<u>800-895-1999</u>

Created by: alden

Electric Company contact for EMERGENCIES

Evaluation Only. Created with Aspose Cells for NET Copyright 2002-2018 Aspose Pty Ltd. ATTACHMENT INFORMATION SHEET - REVISION 6/14/2017 The first improvements in decimal format (ie 15 ft 6" = 15.5) Decimal Conversion:																											
Licensee #	MCIMetro Horton Spoke 3	Pole Total # of New	64 30			Enter all measurements Lowest power at pole m For Power Equipment, r	ay be neutral, secondary,	v, top of terminal riser, bot	ttom of drip loops, etc.	1	" = .00 4" = .33 " = .08 5" = .42	8" = .67 9" = .75															
Location PPA #	St Paul, MN	# of Overlash Attachment Total	30)	1	Please refer to the Append			gy Distribution Facilities" d by calling (651) 229-2500.	3	" = .17 6" = .50 " = .25 7" = .58	10" = .83 11" = .92	Highes	t Existing Con	mmunications	Propos	ed Communica	ations Pass / Fail Equipme	nt Clearance	Pass / Fail Vertical		Pole Loading Informat	ion	\neg		For Xcel Energy Use Only	
	Latitude	e Longitude	Power Pole 8	& Equipment	Lowest Power at Pole	Lowest Power Cable at	Attachment Height Infor					Proposed Mid- Cable Height (48" from power cable	12" from street light bracket / drip loop	12" earance from Above mmunicat ons (2)	Pole 48" from power cable	12" from street 30 light bracket / drip loop	00" mid-span power cable clearance communicati cons (1) ons	nce clearance n from Inicati Communicati	9.5' at Pole ove Surface (Must meet Sht J-6 min. and local	Span Cabl Length Diame	Structure Type (Tangent, Dead-End,	current % Proposed Loading Loading	% Guy / Anchor Required?	Proposed Modifications / Make-Ready Necessary to Allow for Attachment Approved / Denied / Condition	Make Ready Required / Comments	Approved Guy/ Post Attachment Anchor Inspection Pass/ Fail Height Required? Height
Map) Overla	(N) or Xcel Energy GIS ash (O) Pole ID		Pole Ht/ Class	Power Equipment on Pole	20.00		Street Light Bracket / Drip Loop (Lowest)	Communic. At Pole (1)	Existing Communic. At Pole (2)	Existing Communic. At Pole (3)	# of Existing Proposed Atta Height for Nev	Cable local ord.)	n. and		0115 (2)	S PASS		PASS PASS PAS	0118 (3)	PASS PASS		Angle, etc.) Dead-					
25	N 37742595		50-3		36.00 33.00	31.25		26.92 23.75	22.92		21.92				9.96 PAS			PASS PASS PAS				3 0.37 End 3 0.37 Tangent					
26 I	N 37740529		50-3	XFMR	31.42	30.75		27.83	27.08		26.08	22.33	43.08		9 PASS	S PASS		PASS PASS PAS	ss	PASS PASS	115 1.03	3 0.37 Tangent	28.5 32.6%	No			
28	N 37740523 N 37740517		50-3 40-5		33.83	29.67		23.75	22.58		21.58				PASS PASS			PASS PASS PAS				3 0.37 Junction 3 0.37 Tangent					
29	N 37740511		40-5		30.42	21.92		24.17	23.25		22.25				11.04 PAS			PASS PASS PAS				3 0.37 Tangent			A1 Re-sag span South. CTL Re-sag span South.		
30	N 37740415		40-5		24.92	21.33		21.42	20.42		19.42	16.08	42	Р	PASS PASS	S PASS		PASS PASS PAS	ss	19.42 PASS	168 1.03	3 0.37 Tangent	50.2 59.5%	No			
32	N 37740409 N 37740421 P-P Guy		40-4	XFMR, STL	27.33 24.92	26.92 25.75	22.08	19.00	21.00		20.00				PASS PASS	S PASS 00 PASS		PASS PASS PASS PASS PASS PASS				3 0.37 Junction 3 0.37 Tangent					
33	N 37740400 CTL Pole			XFMR, STL, Riser		28.17	23.75	22.08	20.67		1 19.67							PASS PASS PAS				3 0.37 Tangent					
34 I	N 37761638 CTL Pole		45-4	STL, Riser	30.08	27.67	29.50	20.17	18.67		1 18.67	17.33	PASS	PASS P	PASS PASS	S PASS	PASS	PASS PASS 0				3 0.37 Tangent			A1 Raise 12" to 21'2". This will require a splice in the COAX riser. CTL Raise 18" to 20'2"		
36	N 37761626 CTL Pole N 37761620		40-4 45-3	XFMR	28.00 26.67	26.25		22.33	20.33		1 19.33				PASS PASS			PASS PASS PAS				3 0.37 Tangent 3 0.37 Junction			CTL Rotate terminal 90 degrees.		
37	N 37761632 CTL Pole		40-4	STL	27.42	28.08	26.33	21.83	20.08		19.08	16.50	PASS	PASS P	PASS PASS	S PASS	PASS	PASS PASS PAS	SS	19.08 PASS	98 1.03	3 0.37 Tangent	43 46.4%	No	CTL Rotate terminal 90 degrees.		
39	N 37762661		45-5	XFMR	31.83			19.17	17.58			16.75			PASS 19.			PASS PASS PAS		16.58 PASS							
40	N 37762667 CTL Pole N 37756598 CTL Pole		40-5 40-5	Riser STL, Riser	24.67 27.25	26.25	24.25	20.42	18.58		1 17.58 1 19.00				PASS PASS			PASS PASS PASS PASS		17.58 PASS 19.00 PASS							
41	N 37756703		45-3	PTS, Riser	23.25	22.50		22.67	19.08		1 18.08	16.00	6.96	Р	PASS PASS	S PASS		PASS PASS PAS	ss	18.08 PASS	136 1.03	3 0.37 Tangent	29.5 31.4%	No	A1 Lower 33" to 19'11" and re-sag. CTL Re-sag span west. Re-Frame and raise cabled secondary to 24'10". Secondary is		
42	N 37756679 CTL Pole		45-3	STL	22.25	19.42	25.83	17.08	15.25		17.08	15.92	PASS	PASS P	PASS 17.	08 PASS	PASS	PASS 0 PAS	ss	17.08 PASS	74 1.03	3 0.37 Tangent	33.3 36.7%	. No	wrapped around the face of pole. A1 Raise 24" to 19'1" CTL Raise 34" to 18'1"		
44	N 37756496 CTL Pole		45-4			23.75		18.08			15.67							PASS PASS PAS		15.67 PASS							
45	N 37756481 N 37756487		40-3	XFMR, STL Riser	25.33 24.42	23.83	23.83	20.50	19.00		1 20.00		PASS 29.04			S PASS		PASS PASS PASS		18.00 PASS PASS		3 0.37 Tangent Dead- End			CTL Rotate terminal 90 degrees. A1 Lower 12" to 21'0"		
46	N 37770951 CTL Pole			XFMR, Riser		24.00		20.75	18.50		2 21.75				PASS PASS			PASS PASS PAS		PASS PASS		Dead-					
48	N 37770957 CTL Pole		40-4		28.58			20.17	18.25		21.17				PASS PASS			PASS PASS PASS		PASS PASS							
49	N NT-1 CTL Pole N 37770963 CTL Pole		35-5 40-4	XFMR, STL	24.00 22.67	23.58	21.08	19.58 18.17	18.08		1 19.17				PASS PASS			PASS PASS PAS 28.08 PASS PAS		PASS PASS 19.17 PASS						 	
50	N 37770969 CTL Pole		40-5	Riser	25.33	27.25		19.50	18.17		1 20.50	20.33	PASS	Р	PASS PASS	S PASS		PASS PASS PAS	SS	PASS PASS	79 1.03	3 0.37 Tangent	34 37.8%	No			
52	N 37770975 CTL Pole N 37770981 CTL Pole		40-5	XFMR	29.67			19.83 19.17	18.08	17.75		20.33			PASS PASS			PASS PASS PASS PASS		PASS PASS							
53	N 37770987 CTL Pole		35-5 35-5		24.92			18.08	16.00			19.58			PASS 18.			PASS PASS PAS		19.08 PASS							
54	N 37771251 CTL Pole		40-5	Riser	28.42	23.92		18.75	16.83		1 19.75	19.00	PASS	Р	PASS 18.	75 PASS		PASS PASS PAS	ss	PASS PASS	109 1.03	3 0.37 Tangent	36.5 40.8%	No	STL Bond to ground, place split duct over STL drip loops.		
56	N 37770993 CTL Pole N 37770999 CTL Pole		40-3	XFMR, STL Riser		25.67	20.33	19.67	18.50	18 58	19.67							PASS DASS DAS		PASS PASS					A1 Lower 14" to 18'6" CTL Lower 6" TO 17' 6"		
57	N 37752188 CTL Pole		40-4	XFMR	23.75	24.92		20.33	19.17	18.17	20.33				PASS PASS			PASS 0 PAS				3 0.37 Tangent			A1 Lower 14" to 19'2" CTL Lower top attachment to 18'2"		
58 <u> </u>	N 37752194 CTL Pole		40-5		29.67	29.17		21.83	19.75		22.83	23.25	PASS	P	PASS PASS	S PASS		PASS PASS PAS	ss	PASS PASS	71 1.03	3 0.37 Tangent	22.1 24.6%	No			
60	N 37752200 CTL Pole N 37752287 CTL Pole		40-5 40-5	XFMR	28.83	26.75		20.92	19.00		1 22.08				PASS PASS			PASS PASS PAS		PASS PASS							
61	N 37752866 CTL Pole			XFMR, STL, Riser			22.17	19.50	18.50		1 19.50							PASS 0 PAS				3 0.37 Tangent			A1 Lower 12" to 18'6" CTL Lower 12" to 17'6"		
62	N 37752293 CTL Pole		40-4	XFMR	28.17	28.33		20.67	18.75		21.67	21.17	PASS	P	PASS PASS	S PASS		PASS PASS PAS	SS	PASS PASS	83 1.03	3 0.37 Tangent	45.7 49.8%	No			
64	N 37752299 CTL Pole N 37752305 CTL Pole		45-3 40-5	Riser, STL XFMR, Riser	30.42		26.83	20.75	18.75 18.67		1 21.75 2 19.67				PASS PASS			PASS PASS PASP PASS 10.92 PASS		PASS PASS		3 0.37 Tangent 3 0.37 Tangent			Place U-Guard extensions over both power riser- Extend to 23'0" A1 Lower 23" to 18'8" CTL Lower 12" to 17'8"		
65 I	N 37752311 CTL Pole		40-4	XFMR, STL	29.42	26.50	27.00	21.33	19.50		21.33	20.67	PASS	PASS P	PASS PASS	S PASS	PASS	PASS 0 PAS				3 0.37 Tangent			A1 Lower 11" to 20'5"		
67	N 37752317		40-4		23.33			21.33	19.00		21.33				PASS PASS			PASS 0 PAS				3 0.37 Junction			Attach bottom secondary to existing 3 spool bracket. A1 Lower 12" to 20'4"		
68	N 37752335 N 37752347		40-5 40-5	STL	28.83		25.42	22.00	20.00		23.00				PASS PASS			PASS PASS PASS PASS		PASS PASS					Remove abandoned secondary between poles.		
69	N 37752353		45-4	XFMR, Riser	27.67	28.00		21.83	19.75		1 22.83	22.08	PASS	P	PASS PASS	S PASS		PASS PASS PAS	ss	PASS PASS	121 1.03	3 0.37 Tangent	61.2 64.5%	No			
71	N 37752359		45-4		33.42			22.42	20.58		23.42				PASS PASS			PASS PASS PAS				3 0.37 Tangent					
72	N 37752839 N 37752365		50-3	XFMR, STL, Riser	25.50 28.67	25.92 26.50	22.67	19.00 22.17	17.50 21.25	19.92	1 20.00 1 23.17				11.04 PASS			PASS PASS PASS PASS				3 0.37 Tangent 3 0.37 Junction					
73	N 37752563		45-3	XFMR	23.25	22.00		20.58	18.58		2 19.58	19.25	32.04	Р	PASS PASS	S 44.04		PASS PASS PAS	ss	PASS PASS	138 1.03	3 0.37 Tangent	55 59.1%	No No	A1 Lower 24" to 18'7" and re-sag span West. CTL Lower 12" to 17'7" A1 Lower 30" to 21'4"		
75	N 37752629 CTL Pole N 37752635		45-4 45-3	XFMR, STL STL, Riser	28.25	24.75	25.75	23.83	22.33		1 21.08							PASS PASS PASS PASS		PASS PASS					CTL Lower 24" to 20'4" A1 Complete transfer to new pole. Extend power supply weather head.		
76	N 37752641					20.67	22.00	16.75	16.00		17.75	18.17								17.75 PASS					I I		
78	N 37752647 CTL Pole		40-5	XFMR				19.17	17.92			18.75						PASS 0 PAS		19.17 PASS					A1 Lower 15" to 17'11" CTL Lower 12" to 16'11"		
79	N 37752653 CTL Pole N 337045108		40-5 45-3	Cap Bank, Riser	25.42 23.92			17.83 18.83	16.50 17.92			20.00			PASS 17.8			PASS PASS PASS PASS		18.83 PASS PASS PASS							
80	N 37752665 CTL		45-3	Riser, STL	24.67	20.92	24.75	21.83	21.00	20.75	1 21.00	17.67	34.08	PASS 9	9.96 PAS	S 44.04	PASS	PASS 9.96 0	3	PASS PASS	123 1.03	3 0.37 Tangent	47.7 49.4%	No	A1 Lower 22" to 20'0" CTL Lower to 19'0"		
82	N 37752680 N 33752713 CTL Pole		45-4 45-4	XFMR	23.33			17.83 18.83	16.92 17.33		18.83	19.42			10.92 17.3 PASS 18.3			PASS PASS PASS PASS		18.83 PASS PASS PASS							
83	N 33753274 CTL Pole		40-5		30.50 26.75			20.33	17.83		21.33				PASS PASS			PASS PASS PAS		PASS PASS							
84 85	N 390933217		45-3	XFMR	23.17	21.33		19.17	18.50		19.50	18.83	PASS		8.04 19.	17 44.04		PASS 3.96 PAS	SS	PASS PASS					A1 Frame to pole at 18'6" CTL Lower 12" to 17'6" A1 Lower 11" to 18'3"		
86	N 37753280 N 37753292		40-5 45-3	XFMR Riser	22.83	21.25		19.17 19.17	18.25	17.33	19.17		43.92 PASS		11.04 19. PASS 19.			PASS 0 11.		19.17 PASS PASS PASS					CTL Lower top attachment to single point at 17'4"		
87	N 37753310		50-3	XFMR	25.67	22.67		19.83	18.83		2 21.00		PASS	Р	PASS PASS	S PASS		PASS PAS				Dead- 3 0.37 End					
																						+					
																		5/14/2019									

Signatures

Conversation

Compiled by: John Smith on 14-05-2019

Signed:

Conversation

Reviewed by: Ted Cooper on 14-05-2019

Signed:

Created by: alden