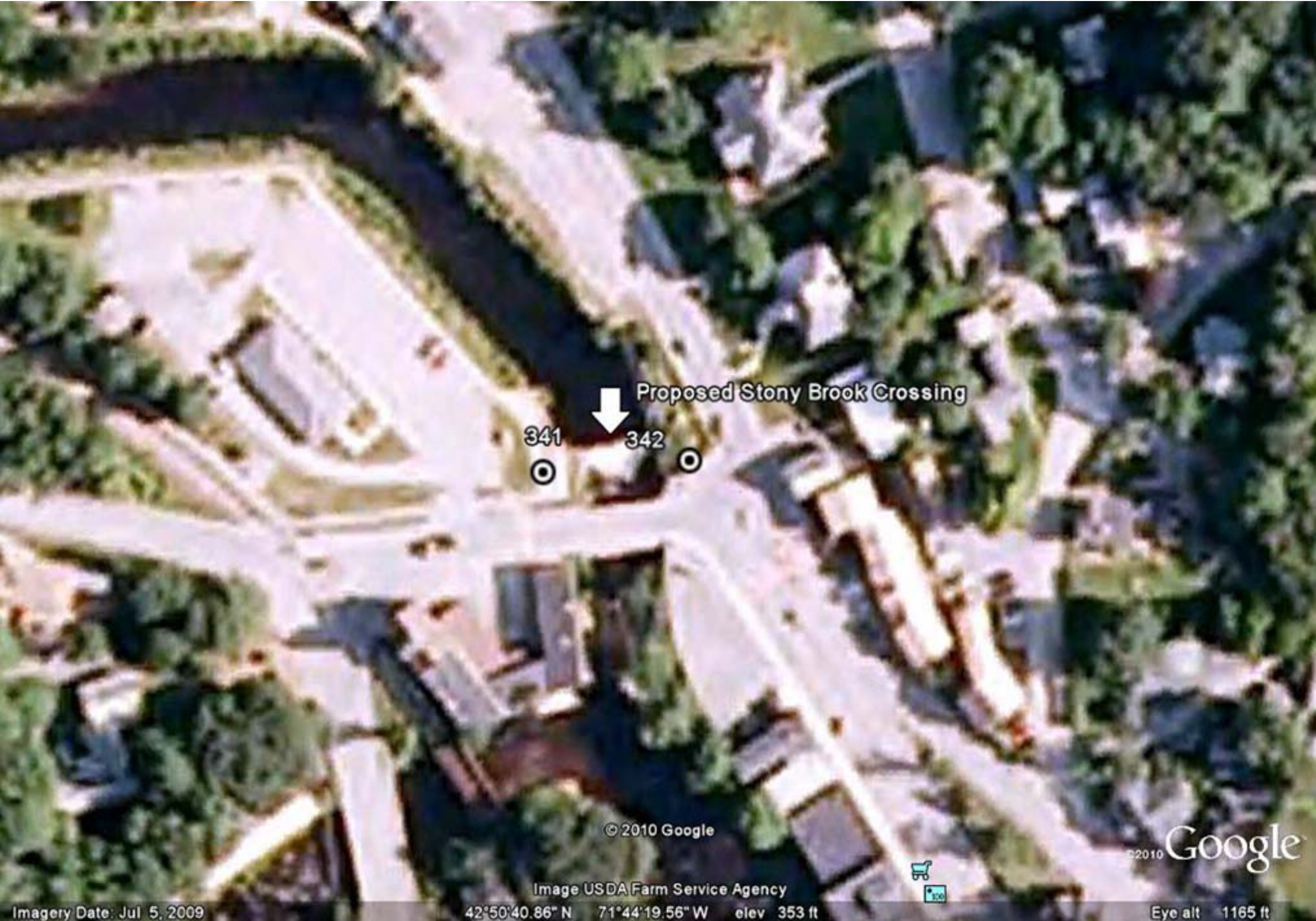




Construction Notes :

Dig Safe #

Start Date

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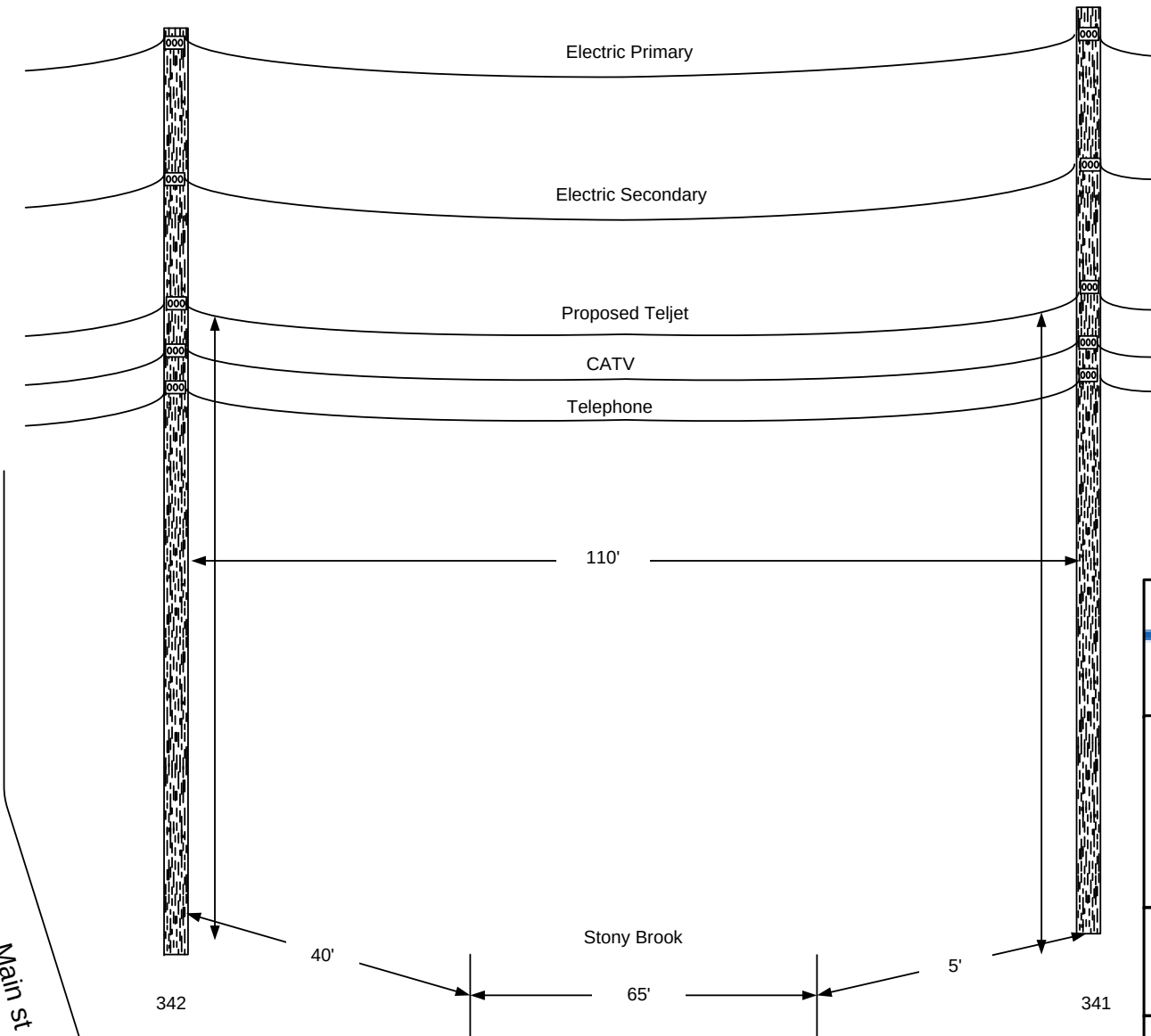
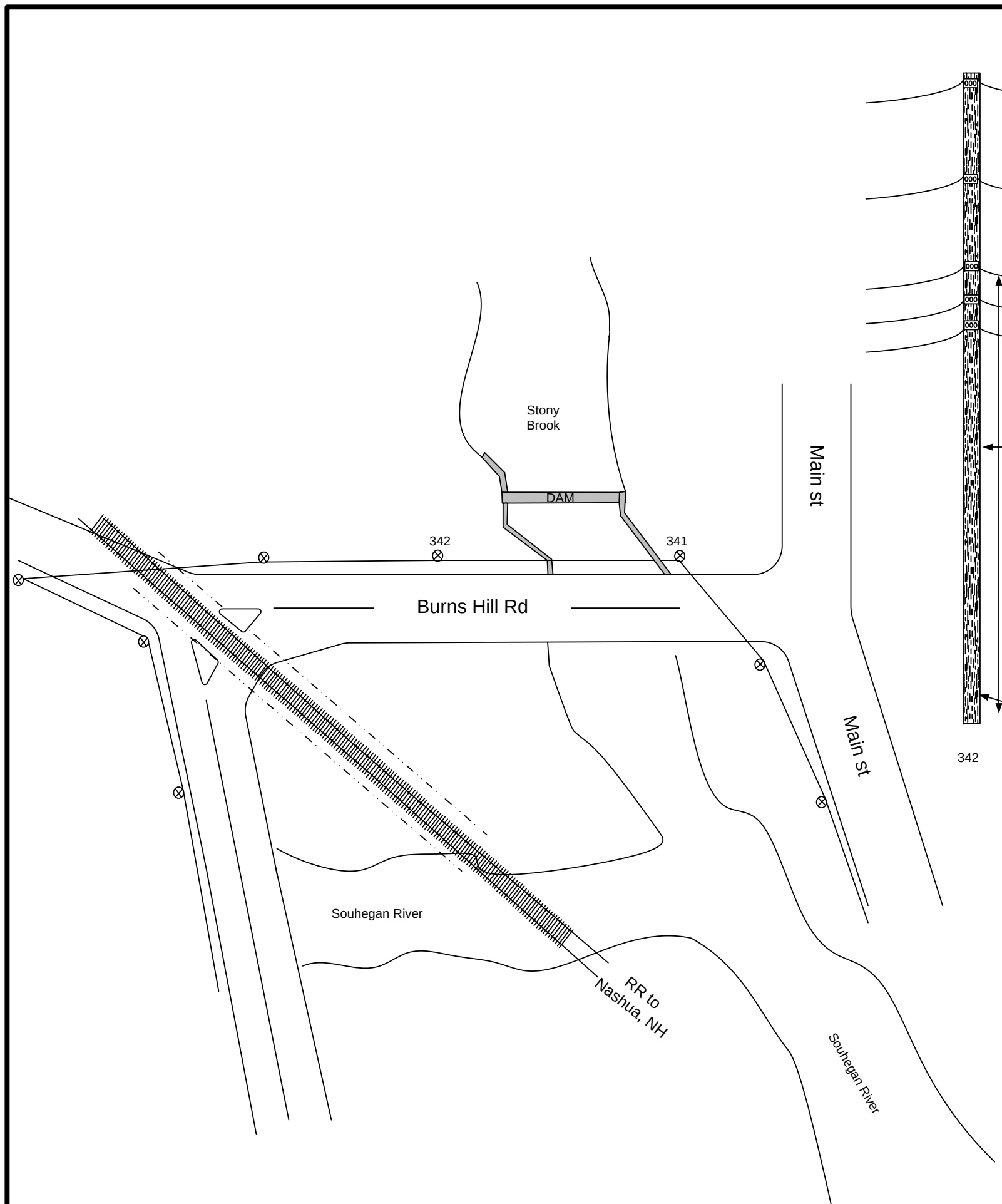
Project:
Teljet Longhaul LLC
Merrimack to Keene
New Hampshire
Project # WIL-11
Drawing # AC-RIV-2

Date 11/1/2010
Revision # 1.01

**Proposed
Stony Brook
Crossing
Wilton, NH**

Location:
Burns Hill Rd
between poles 342 & 341
nearest cross st:
Main St

Teljet contact:
Mary Lavigne
802 922-9510



Construction Notes :

Dig Safe #

Start Date

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Project:
Teljet Longhaul LLC
Merrimack to Keene
New Hampshire

Project # WIL-11
Drawing # AC-RIV-2-ED

Date 11/1/2010
Revision # 1.01

Proposed
Stony Brook
Crossing
Wilton, NH

Location:
Burns Hill Rd
between poles 342 & 341
nearest cross st:
Main St

Teljet contact:
Mary Lavigne
802 922-9510

Pole Loading Analysis Report

POLE LOADING DATA

Pole: 50/2

Pole Loading

NESC Edition:2007

Rule 250B

Loading: Wind (psf):4 Ice(in): 0.5

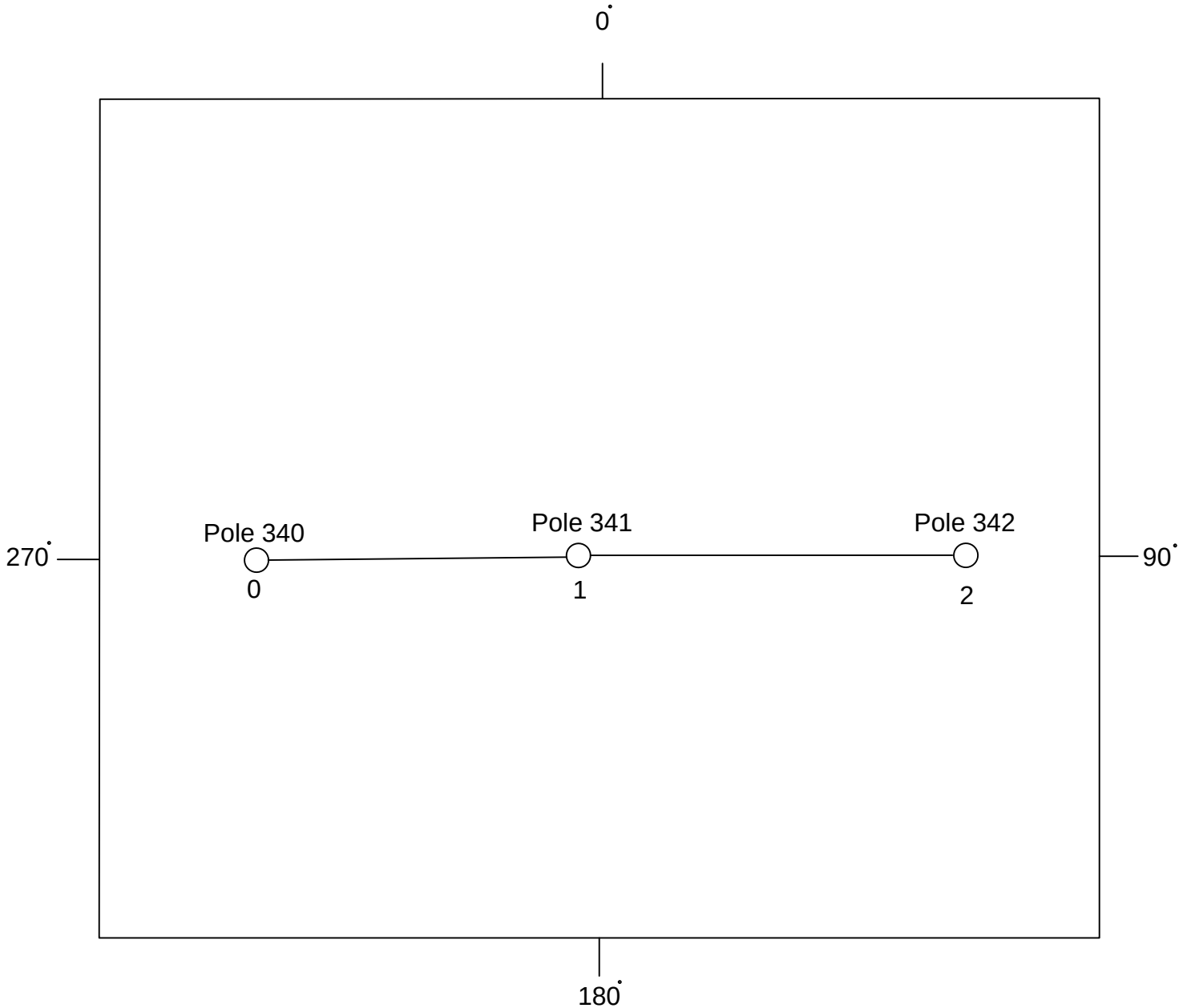
Horizontal: 77% (250B)

Loading District: Heavy

Vertical: 55% (250B) Construction: Grade B

POLES

Pole #	Length (ft)	Depth (ft)	Elevation(ft)
0	50	7.0	0
1	50	7.0	0
2	50	7.0	0



Pole Loading Analysis Report

GUY STRAND DATA

Anchor	Strand	Attachment	Length	Direction	Tension	Strength	Loading
1	7/16"EHS		30"	15'310	16.398	18.720	88%
2	3/8"EHS		148"	13'310	8.843	13.860	68%
2	3/8"EHS		166"	13'310	8.092	18.720	58%

ANCHOR DATA

Anchor	Rod	Anchor	Soil	Tension	Rod Strength	Anchor Strength
1	1" Rod	10" Triple Heli	Class – 4	16.398	36,000	31,000
2	None	None	None	0	0	0

INSULATORS

Insulators	Attach	Loading	Angle
25KV Dead End	7" Rod	40%	0
25KV Dead End	7" Rod	40%	0
25KV Dead End	7" Rod	40%	0
25KV Dead End	7" Rod	40%	0
25KV Dead End	7" Rod	40%	0
25KV Dead End	7" Rod	40%	0

ARM/BRACKET DATA

Arm/Bracket	Attach	Vert Loading	Horz Loading
8" Double Xarm (5.5x5.5)	7"	1%	1%
Spool Rack	7"	1%	1%

SPANS

Span: 1		Span Length (ft): 160'	Direction: 270°			
Primary	Ruling Span	Offset (in)	Attach A	Attach B (in)	Tension	
1/0 ACSR 6/1 STR	200	36	7	7	2000	
1/0 ACSR 6/1 STR	200	36	7	7	2000	
1/0 ACSR 6/1 STR	200	36	7	7	2000	
Neutral						
1/0 ACSR 6/1 STR	200	0	96	96	2000	

Joint Use

Joint use cable	Ruling Span	Diameter (in)	Weight (lbs/ft)	Attach A	Attach B (in)	Tension (lbs)
6.6M (¼) + 0.75 CATV	200	1.04	0.27	153	153	2000
6.6M (¼) + 0.75 CATV	200	1.04	0.27	165	165	1233

Span: 2		Span Length (ft): 110'	Direction: 270°			
Primary	Ruling Span	Offset (in)	Attach A	Attach B (in)	Tension	
1/0 ACSR 6/1 STR	150	36	7	7	2000	
1/0 ACSR 6/1 STR	150	36	7	7	2000	
1/0 ACSR 6/1 STR	150	36	7	7	2000	
Neutral						
1/0 ACSR 6/1 STR	150	0	96	96	2000	

Joint Use

Joint use cable	Ruling Span	Diameter (in)	Weight (lbs/ft)	Attach A	Attach B (in)	Tension (lbs)
6.6M (¼) + 0.75 CATV	150	1.04	0.27	153	153	2000
6.6M (¼) + 0.75 CATV	150	1.04	0.27	165	165	1233



Construction Notes :

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Project:
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Merrimack to Keene
New Hampshire

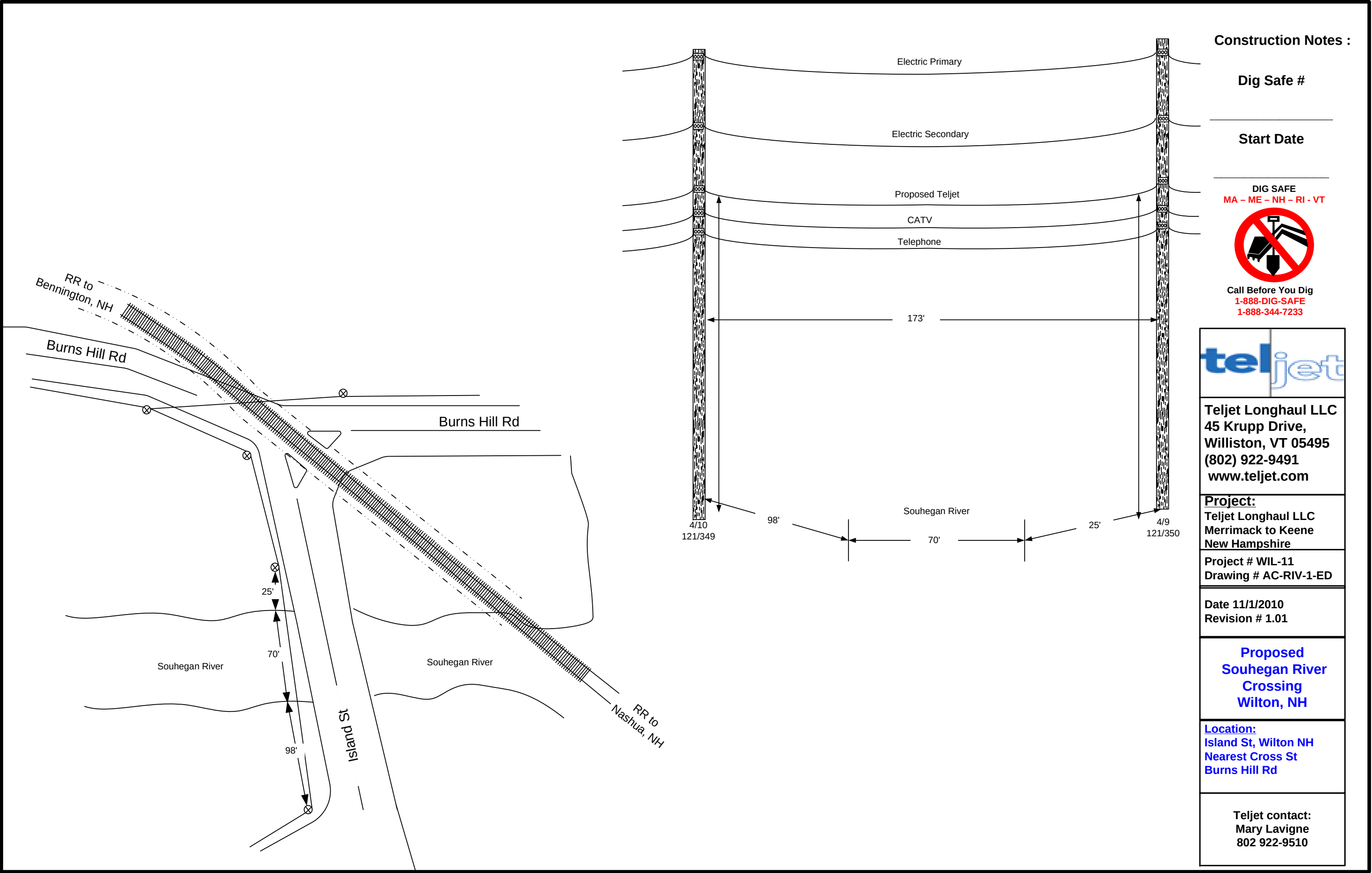
Project # WIL-11
Drawing # AC-RIV-1

Date 11/1/2010
Revision # 1.01

**Proposed
Souhegan River
Crossing
Wilton, NH**

Location:
Island St, Wilton NH
Nearest Cross St
Burns Hill Rd

Teljet contact:
Mary Lavigne
802 922-9510



Construction Notes :

Dig Safe #

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Project:
Teljet Longhaul LLC
Merrimack to Keene
New Hampshire
Project # WIL-11
Drawing # AC-RIV-1-ED

Date 11/1/2010
Revision # 1.01

**Proposed
Souhegan River
Crossing
Wilton, NH**

Location:
Island St, Wilton NH
Nearest Cross St
Burns Hill Rd

Teljet contact:
Mary Lavigne
802 922-9510

Pole Loading Analysis Report

POLE LOADING DATA

Pole: 45/3

Pole Loading

NESC Edition:2007

Rule 250B

Loading: Wind (psf):4 Ice(in): 0.5

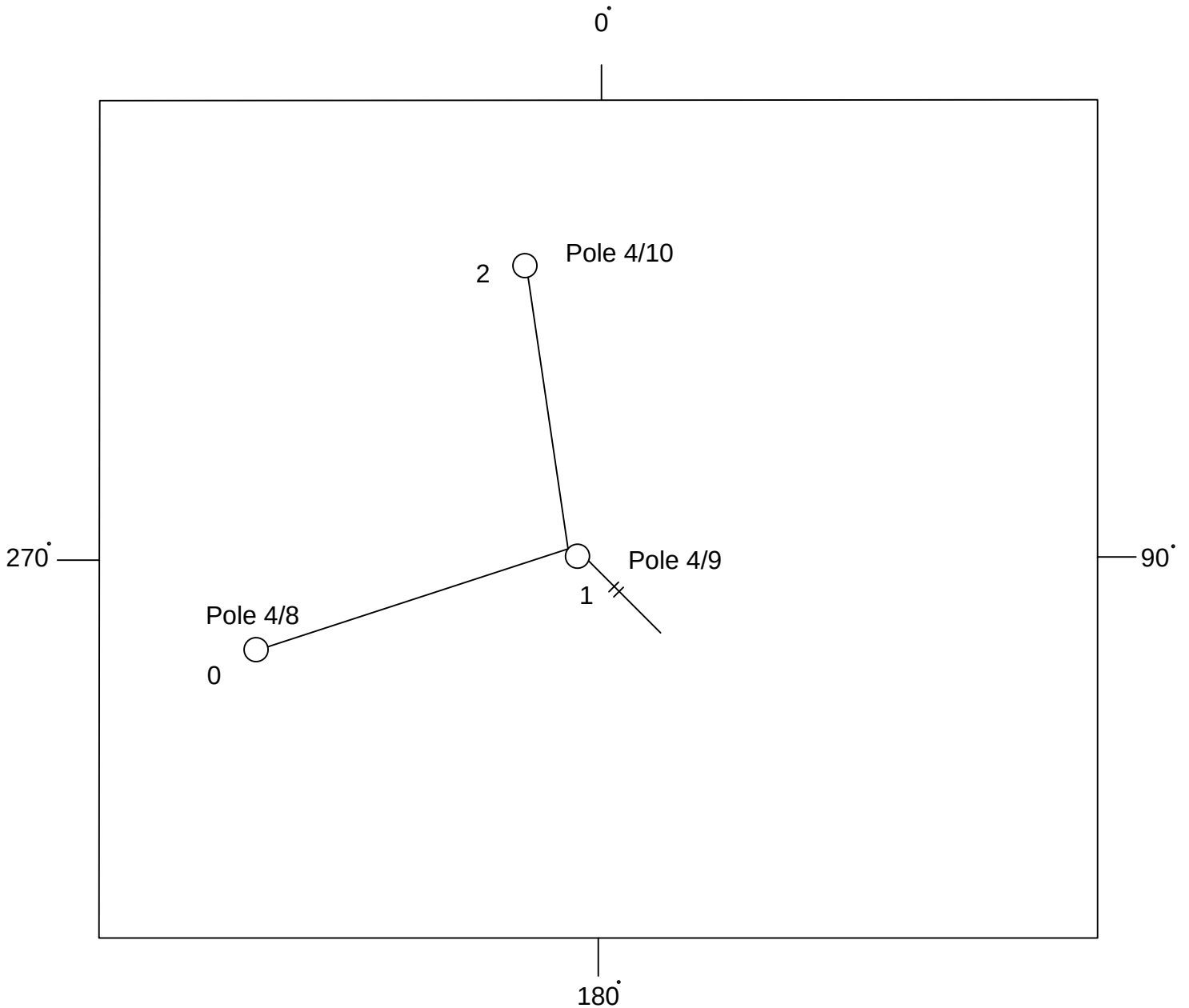
Horizontal: 77% (250B)

Loading District: Heavy

Vertical: 55% (250B) Construction: Grade B

POLES

Pole #	Length (ft)	Depth (ft)	Elevation(ft)
0	40	6.5	0
1	45	7.0	0
2	50	7.5	0



Pole Loading Analysis Report

GUY STRAND DATA

Anchor	Strand	Attachment	Length	Direction	Tension	Strength	Loading
1	7/16"EHS		30"	15'310	16.398	18.720	88%
2	3/8"EHS		148"	13'310	8.843	13.860	68%
2	3/8"EHS		166"	13'310	8.092	18.720	58%

ANCHOR DATA

Anchor	Rod	Anchor	Soil	Tension	Rod Strength	Anchor Strength
1	1" Rod	10" Triple Heli	Class – 4	16.398	36,000	31,000
2	None	None	None	0	0	0

INSULATORS

Insulators	Attach	Loading	Angle
25KV Dead End	7" Rod	40%	0
25KV Dead End	7" Rod	40%	0
25KV Dead End	7" Rod	40%	0
25KV Dead End	7" Rod	40%	0
25KV Dead End	7" Rod	40%	0
25KV Dead End	7" Rod	40%	0

ARM/BRACKET DATA

Arm/Bracket	Attach	Vert Loading	Horz Loading
8" Double Xarm (5.5x5.5)	7"	1%	1%
Spool Rack	7"	1%	1%

SPANS

Span: 1		Span Length (ft): 110'	Direction: 260°			
Primary	Ruling Span	Offset (in)	Attach A	Attach B (in)	Tension	
1/0 ACSR 6/1 STR	150	36	7	7	2000	
1/0 ACSR 6/1 STR	150	36	7	7	2000	
1/0 ACSR 6/1 STR	150	36	7	7	2000	
Neutral						
1/0 ACSR 6/1 STR	150	0	96	96	2000	

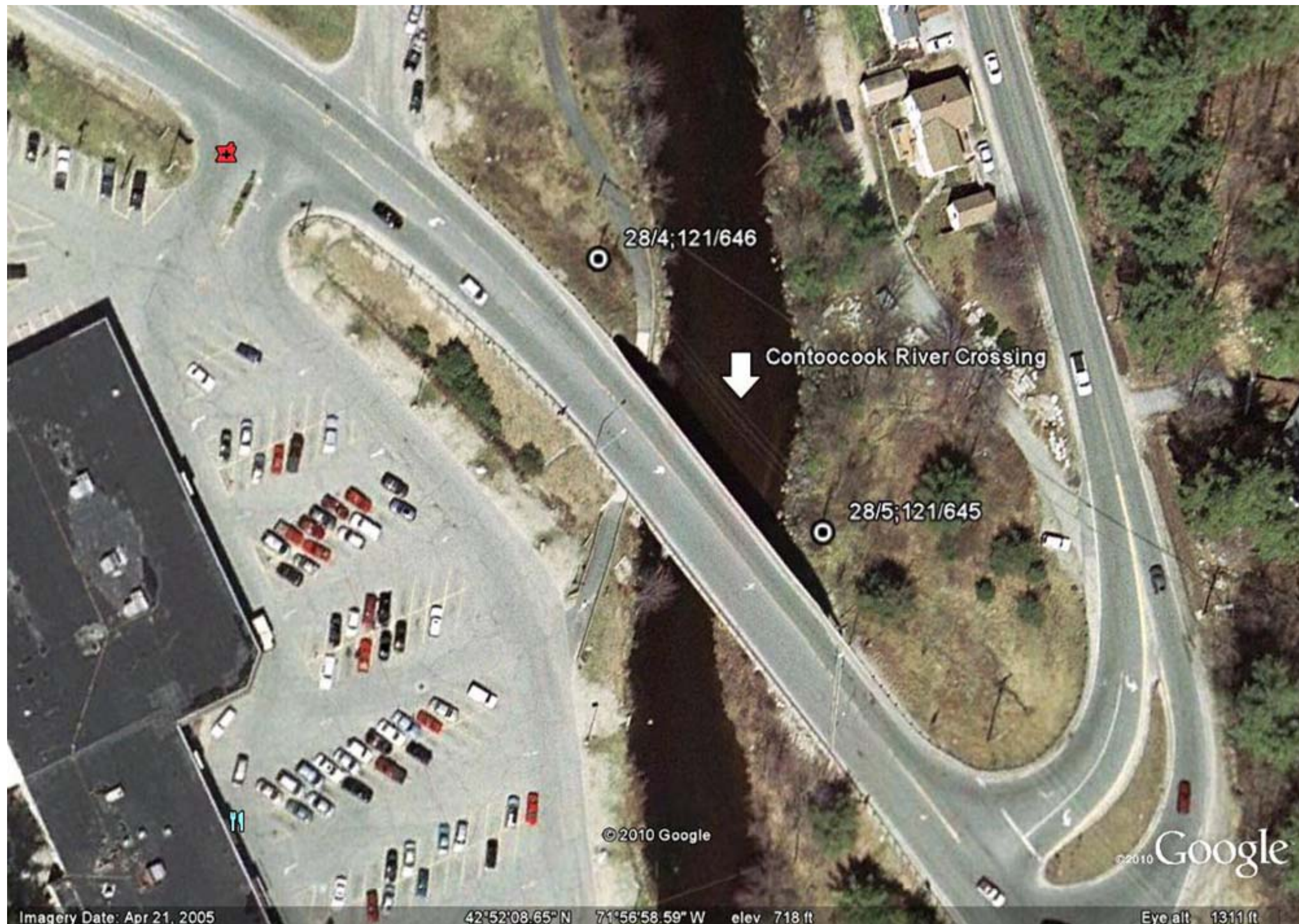
Joint Use

Joint use cable	Ruling Span	Diameter (in)	Weight (lbs/ft)	Attach A	Attach B (in)	Tension (lbs)
6.6M (¼) + 0.75 CATV	150	1.04	0.27	153	153	2000
6.6M (¼) + 0.75 CATV	150	1.04	0.27	165	165	1233

Span: 2		Span Length (ft): 149'	Direction: 355°			
Primary	Ruling Span	Offset (in)	Attach A	Attach B (in)	Tension	
1/0 ACSR 6/1 STR	150	36	7	7	2000	
1/0 ACSR 6/1 STR	150	36	7	7	2000	
1/0 ACSR 6/1 STR	150	36	7	7	2000	
Neutral						
1/0 ACSR 6/1 STR	150	0	96	96	2000	

Joint Use

Joint use cable	Ruling Span	Diameter (in)	Weight (lbs/ft)	Attach A	Attach B (in)	Tension (lbs)
6.6M (¼) + 0.75 CATV	150	1.04	0.27	153	153	2000
6.6M (¼) + 0.75 CATV	150	1.04	0.27	165	165	1233



Construction Notes :

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Project:
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Merrimack to Keene
New Hampshire

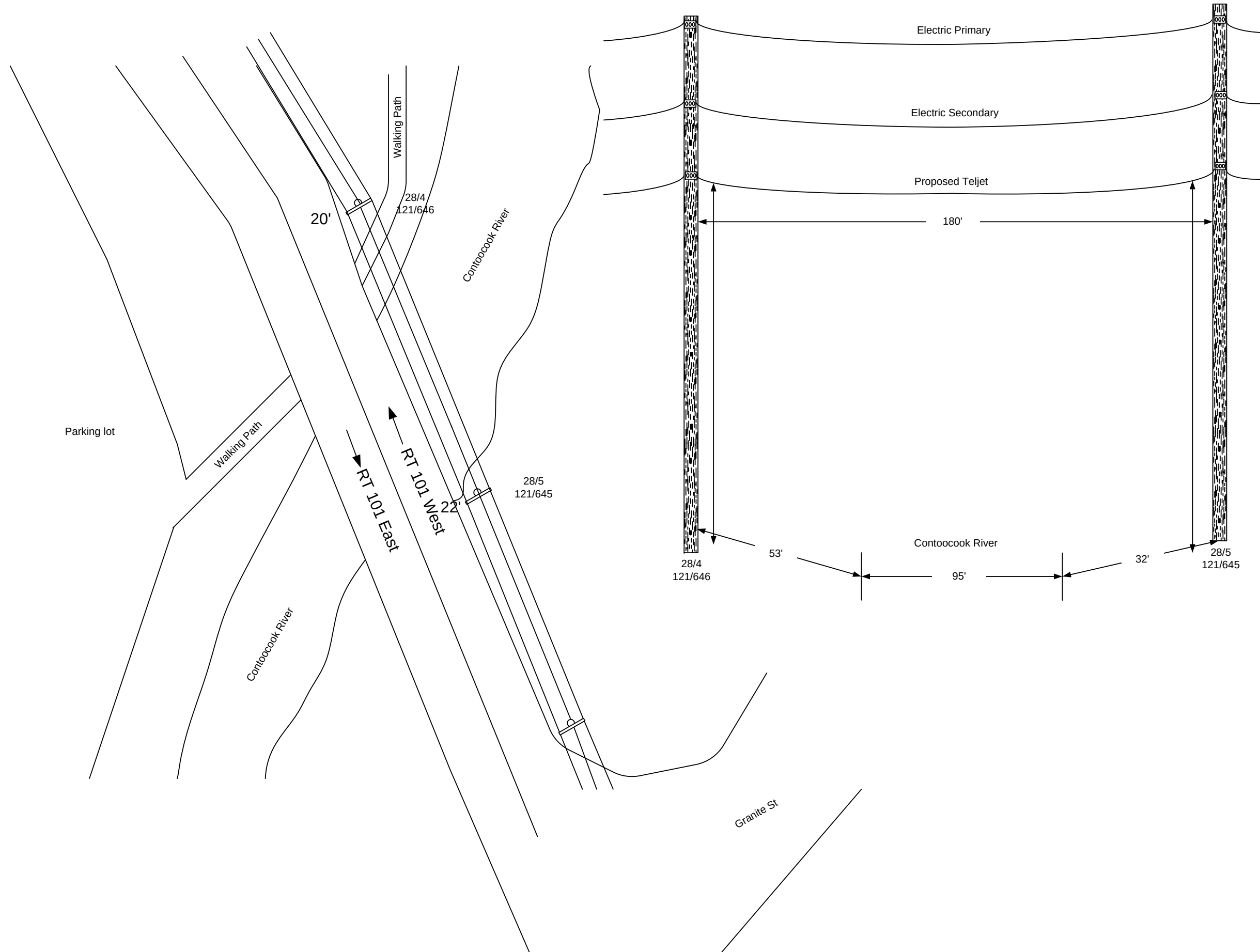
Project # PET-08
Drawing # AC-RIV-1

Date 11/1/2010
Revision # 1.01

**Proposed
Contoocook River
Crossing –
Peterborough, NH**

Location:
Wilton Rd aka Route 101
Peterborough
Nearest cross St
Granite St

Teljet contact:
Mary Lavigne
802 922-9510



Construction Notes :

Dig Safe #

Start Date

DIG SAFE
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Project:
Teljet Longhaul LLC
Merrimack to Keene
New Hampshire

Project # PET-08
Drawing # AC-RIV-1-ED

Date 11/1/2010
Revision # 1.01

Proposed
Contoocook River
Crossing -
Peterborough, NH

Location:
Wilton Rd aka Route 101
Peterborough
Nearest cross St
Granite St

Teljet contact:
Mary Lavigne
802 922-9510

Pole Loading Analysis Report

POLE LOADING DATA

Pole: 45/3

Pole Loading

NESC Edition:2007

Rule 250B

Loading: Wind (psf):4 Ice(in): 0.5

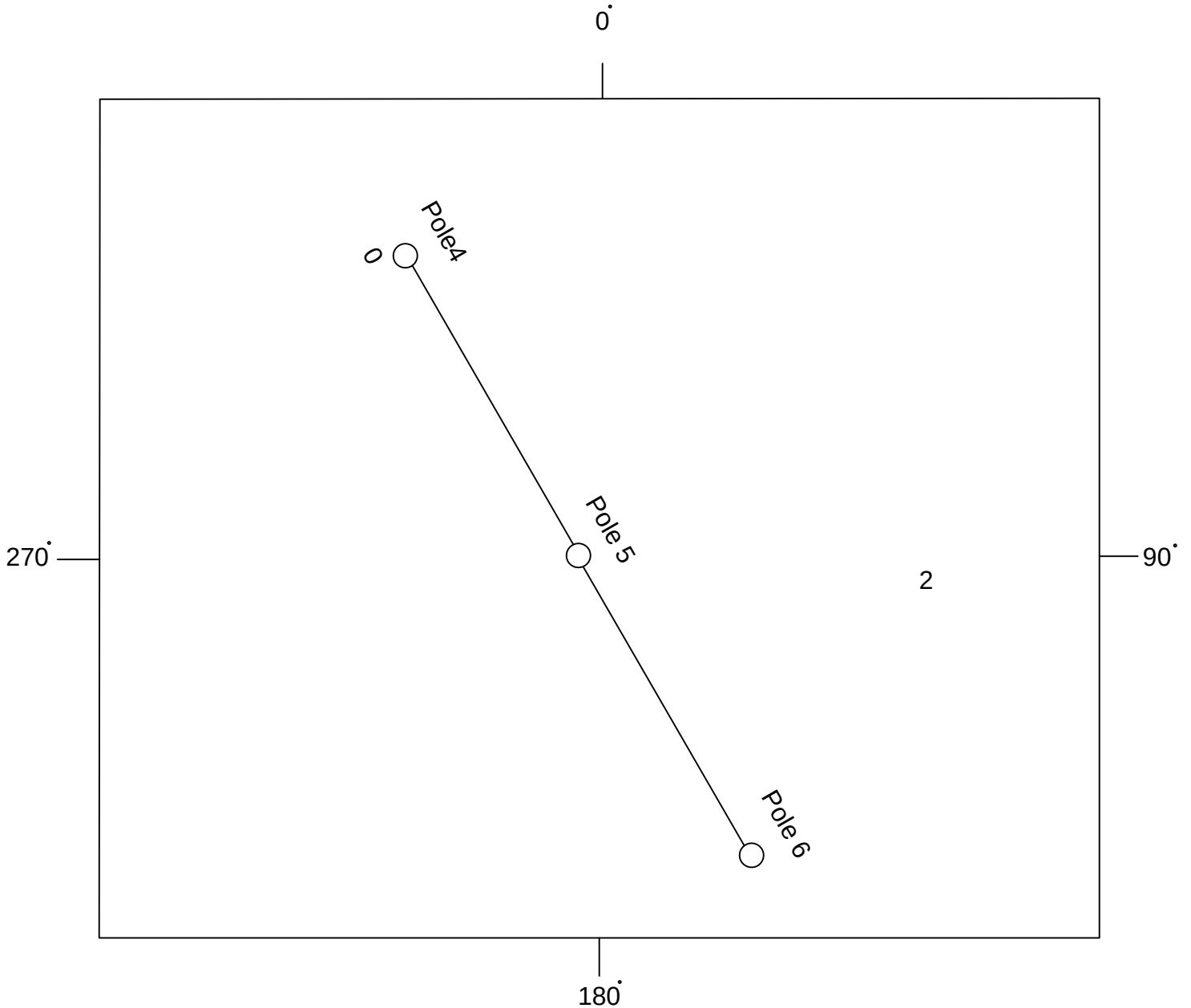
Horizontal: 77% (250B)

Loading District: Heavy

Vertical: 55% (250B) Construction: Grade B

POLES

Pole #	Length (ft)	Depth (ft)	Elevation(ft)
0	45	6.5	0
1	45	6.5	0
2	45	6.5	0



Pole Loading Analysis Report

GUY STRAND DATA

Anchor	Strand	Attachment	Length	Direction	Tension	Strength	Loading
1	7/16"EHS		30"	15'310	16.398	18.720	88%
2	3/8"EHS		148"	13'310	8.843	13.860	68%
2	3/8"EHS		166"	13'310	8.092	18.720	58%

ANCHOR DATA

Anchor	Rod	Anchor	Soil	Tension	Rod Strength	Anchor Strength
1	1" Rod	10" Triple Heli	Class – 4	16.398	36,000	31,000
2	None	None	None	0	0	0

INSULATORS

Insulators	Attach	Loading	Angle
25KV Dead End	7" Rod	40%	0
25KV Dead End	7" Rod	40%	0
25KV Dead End	7" Rod	40%	0
25KV Dead End	7" Rod	40%	0
25KV Dead End	7" Rod	40%	0
25KV Dead End	7" Rod	40%	0

ARM/BRACKET DATA

Arm/Bracket	Attach	Vert Loading	Horz Loading
8" Double Xarm (5.5x5.5)	7"	1%	1%
Spool Rack	7"	1%	1%

SPANS

Span: 1	Span Length (ft): 177'	Direction: 310		°	
Primary	Ruling Span	Offset (in)	Attach A	Attach B (in)	Tension
1/0 ACSR 6/1 STR	200	36	7	7	2000
1/0 ACSR 6/1 STR	200	36	7	7	2000
1/0 ACSR 6/1 STR	200	36	7	7	2000
Neutral					
1/0 ACSR 6/1 STR	200	0	96	96	2000

Joint Use

Joint use cable	Ruling Span	Diameter (in)	Weight (lbs/ft)	Attach A	Attach B (in)	Tension (lbs)
6.6M (1/4) + 0.75 CATV	200	1.04	0.27	153	153	2000

Span: 2	Span Length (ft): 177'	Direction: 310			
Primary	Ruling Span	Offset (in)	Attach A	Attach B (in)	Tension
1/0 ACSR 6/1 STR	200	36	7	7	2000
1/0 ACSR 6/1 STR	200	36	7	7	2000
1/0 ACSR 6/1 STR	200	36	7	7	2000
Neutral					
1/0 ACSR 6/1 STR	200	0	96	96	2000

Joint Use

Joint use cable	Ruling Span	Diameter (in)	Weight (lbs/ft)	Attach A	Attach B (in)	Tension (lbs)
6.6M (1/4) + 0.75 CATV	200	1.04	0.27	153	153	2000