

**MEMORANDUM**

Ref: 1821A

To: Juliet T. H. Walker, AICP  
Planning Director  
City of Portsmouth Planning Department

From: Stephen G. Pernaw, P.E., PTOE

Subject: Proposed Residential Subdivision  
Portsmouth, New Hampshire

Date: October 9, 2018

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At the Technical Advisory Committee meeting on October 2, 2018 we received input regarding the proposed layout of the Proposed Road, and its intersection with Bartlett Street. As a result, we have updated the concept plan for this area (see Exhibit 1, attached) and have revised the various truck turning templates accordingly.

With respect to the concept plan: 1) the proposed layout does not involve any work beyond the existing pavement edge on the north side of the Proposed Road, 2) the 11-foot outbound travel lane widens out to 14-feet at the throat of the intersection (to facilitate truck movements), and 3) the double-yellow centerline on Bartlett Street is proposed to be repositioned to provide a 12-foot southbound travel lane on Bartlett Street (to provide more maneuvering space for trucks).

With respect to the turning templates, right-turn departures by a WB-50 tractor-trailer truck (to Bartlett Street northbound) is shown to occur within the limits of the outbound travel lane on the Proposed Road, as suggested by Eric Eby.

In an attempt to facilitate matters at your end, we have taken the liberty to forward this memorandum to Eric Eby and TEC. If you have any questions, please contact me directly.

**Attachments**

cc: John Chagnon, P.E. – Ambit Engineering, Inc.  
Doug Pinciario, Clipper Traders, LLC  
Ed Hayes, Ricci Lumber  
Eric Eby, P.E. – City of Portsmouth  
Elizabeth Oltman, P.E. – The Engineering Corporation

NORTH MILL POND  
(TIDAL)

### Site Access Road

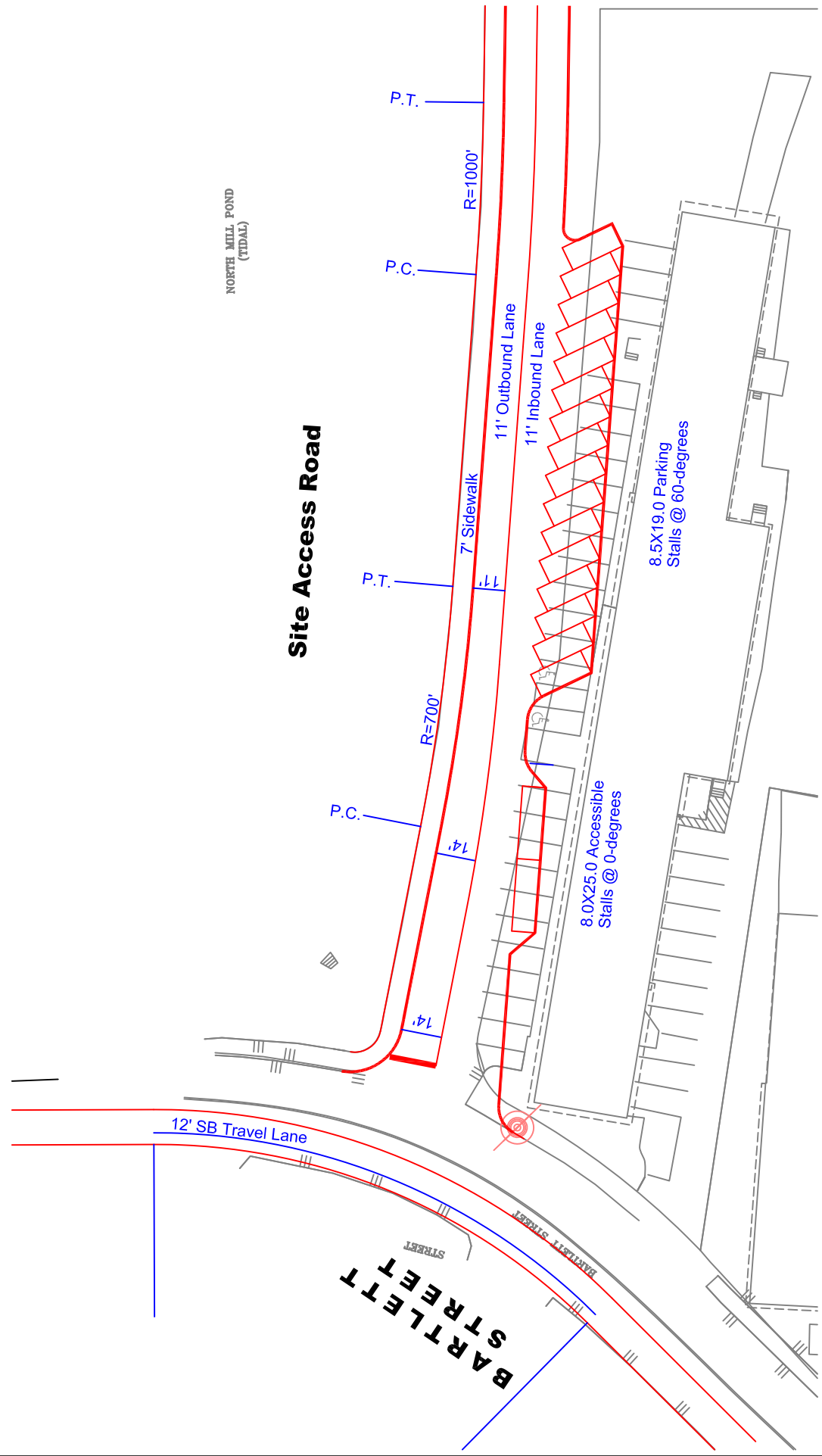
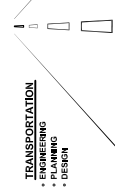


EXHIBIT 1

		<b>Stephen G. Pernaw &amp; Co. Inc.</b> PO Box 1721, Concord, NH 03301 Phone: (603) 228-5750, Fax: (603) 228-0994	
SCALE:	1" = 50'	JOB NO.	1821A
DATE:	10/06/18	CHECKED:	SGP
DESIGNED:	SGP	DRAWN:	CAP
CLIPPER TRADERS, LLC RESIDENTIAL DEVELOPMENT PORTSMOUTH, NEW HAMPSHIRE		BARTLETT ST / SITE ACCESS RD INTERSECTION CONCEPT "A"	

REVISIONS	
NUMBER	DESCRIPTION

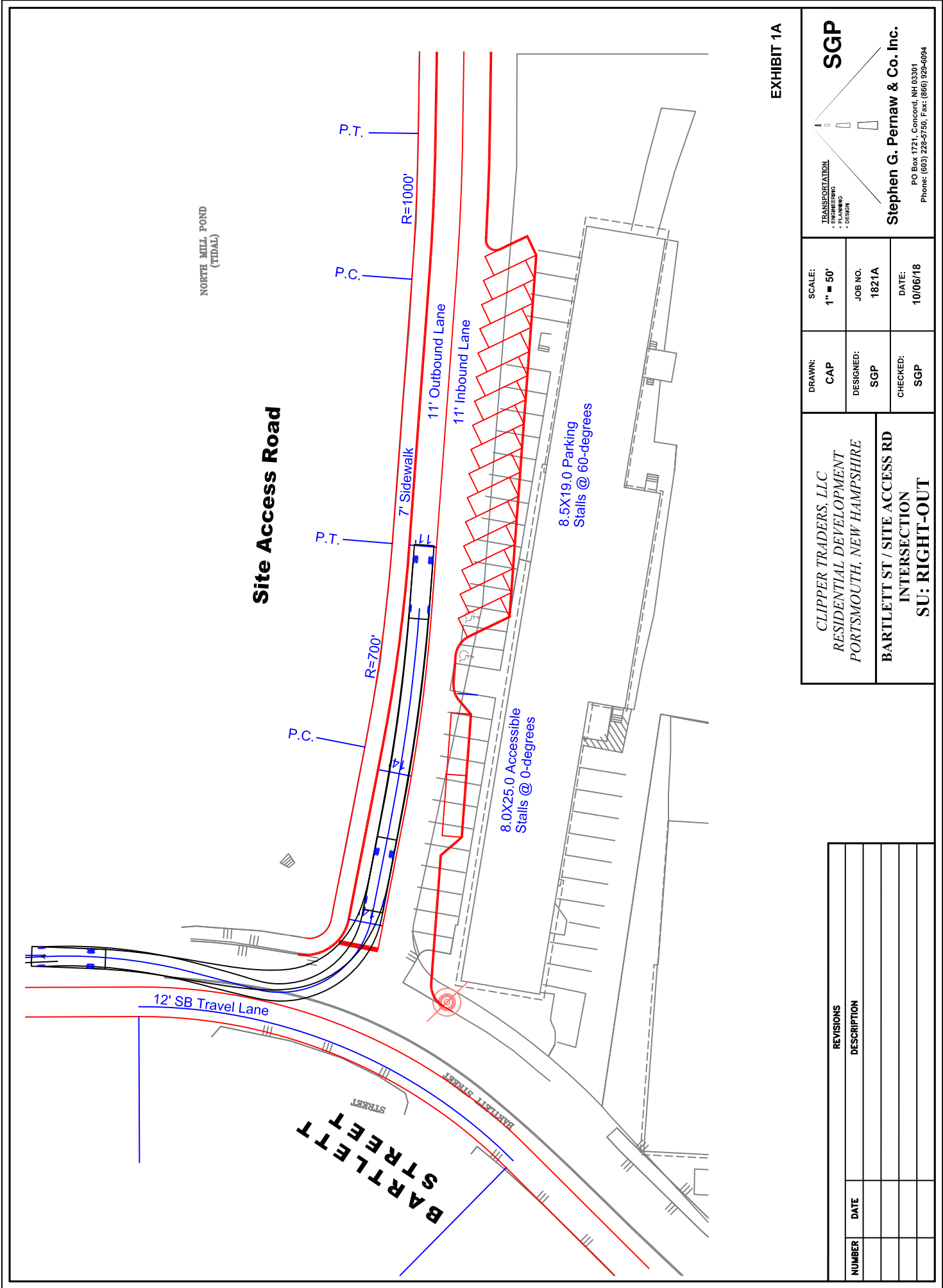


**Stephen G. Pernaw & Co. Inc.**  
 PO Box 1721, Concord, NH 03301  
 Phone: (603) 228-5750, Fax: (603) 928-0094

SCALE: <b>1" = 50'</b>	JOB NO. <b>1821A</b>	DATE: <b>10/06/18</b>
DESIGNED: <b>SGP</b>	CHECKED: <b>SGP</b>	

DRAWN: <b>CAP</b>	CLIPPER TRADERS, LLC RESIDENTIAL DEVELOPMENT PORTSMOUTH, NEW HAMPSHIRE
BARTLETT ST / SITE ACCESS RD INTERSECTION SU: RIGHT-OUT	

REVISIONS	
NUMBER	DESCRIPTION



NORTH MILL POND  
(TIDAL)

### Site Access Road

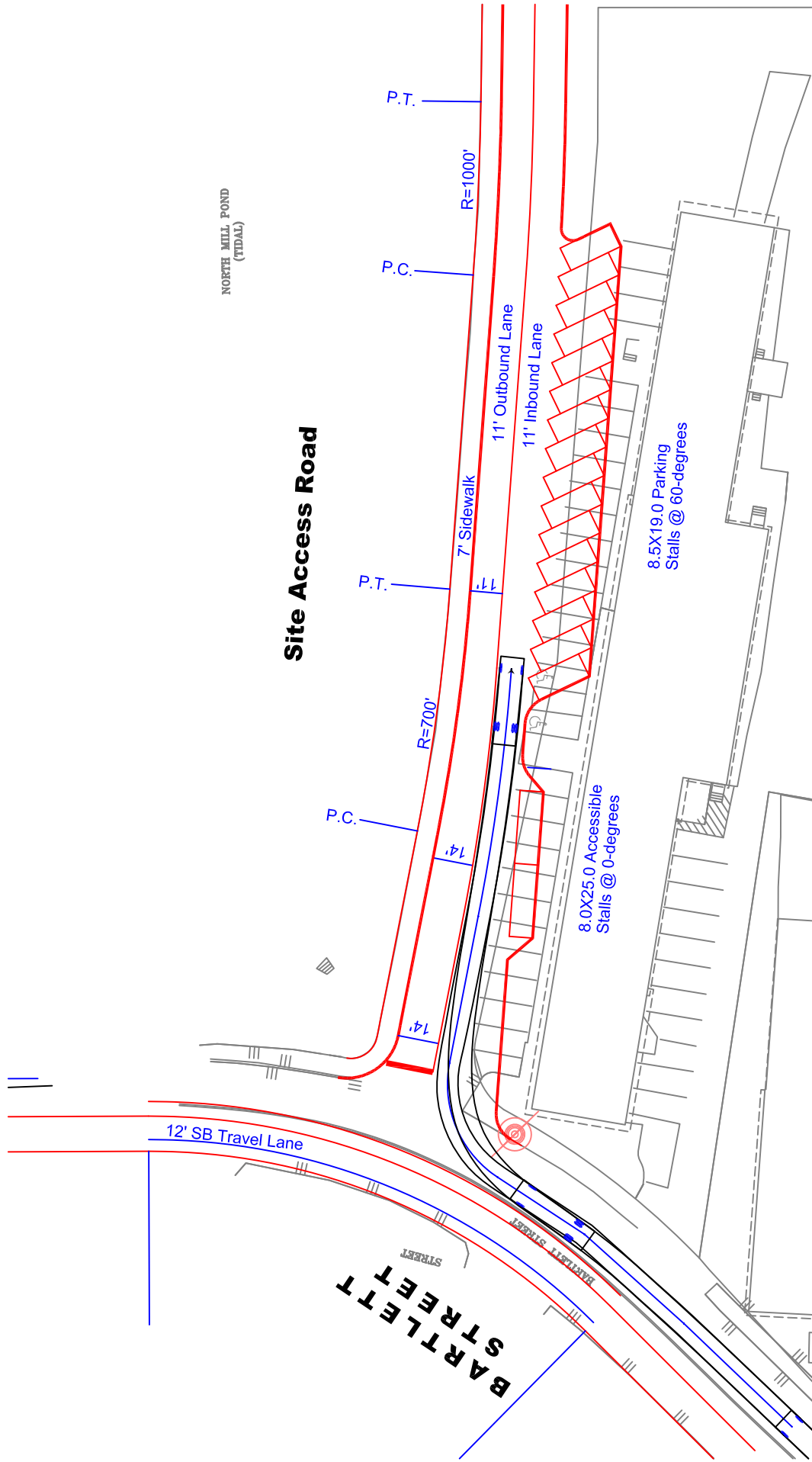



EXHIBIT 1B

		<b>Stephen G. Pernaw &amp; Co. Inc.</b> PO Box 1721, Concord, NH 03301 Phone: (603) 228-5750, Fax: (603) 228-0994	
SCALE:	1" = 50'	JOB NO.	1821A
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DESIGNED:	SGP	DRAWN:	CAP
CLIPPER TRADERS, LLC RESIDENTIAL DEVELOPMENT PORTSMOUTH, NEW HAMPSHIRE		BARTLETT ST / SITE ACCESS RD INTERSECTION SU: RIGHT-IN	

REVISIONS	
NUMBER	DESCRIPTION

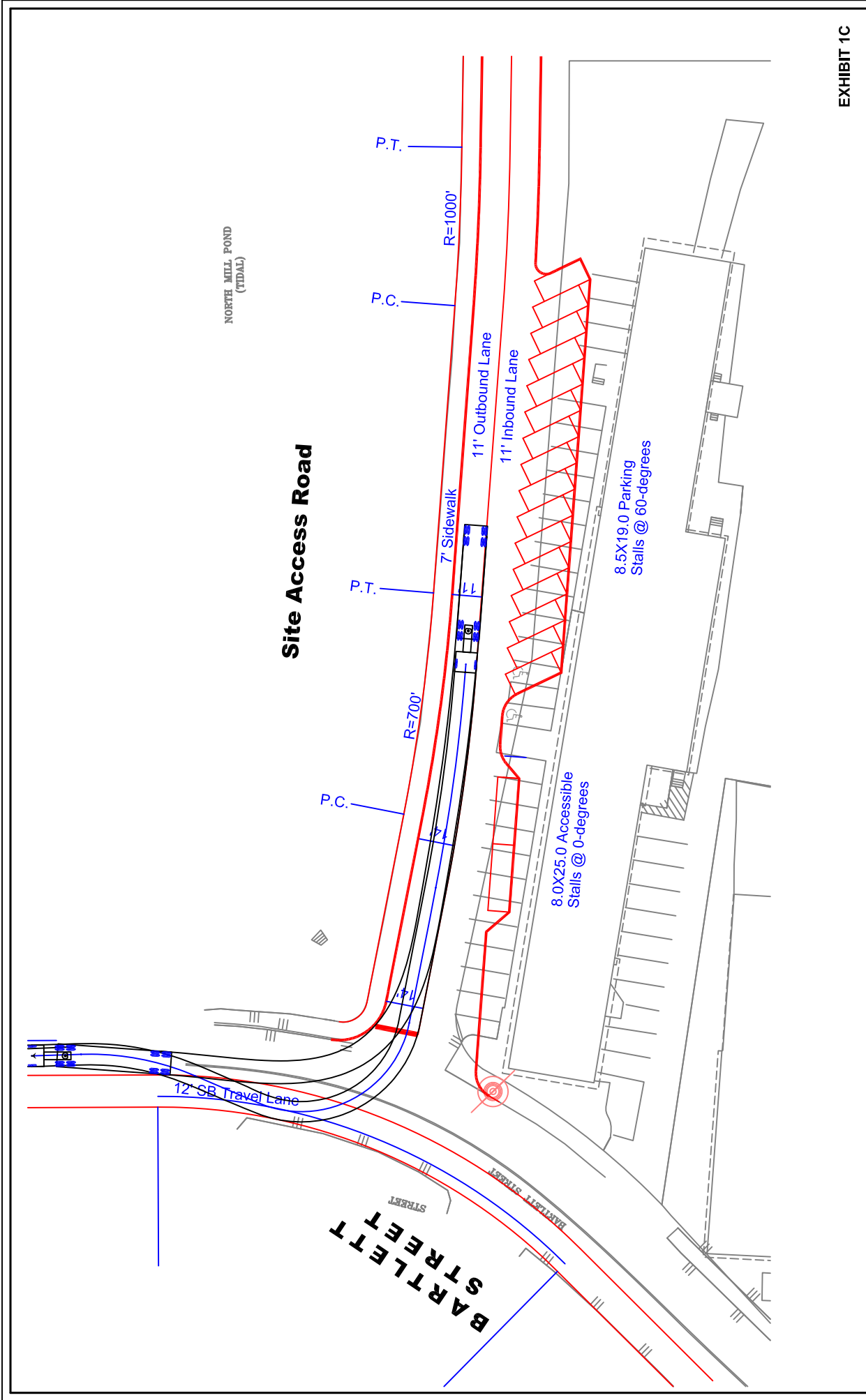



EXHIBIT 1C

 <b>TRANSPORTATION</b> - ENGINEERING - SURVEYING - DESIGN		<b>SCALE:</b> 1" = 50' <b>JOB NO.</b> 1821A <b>DATE:</b> 10/06/18
<b>CLIPPER TRADERS, LLC</b> RESIDENTIAL DEVELOPMENT PORTSMOUTH, NEW HAMPSHIRE		<b>DRAWN:</b> CAP <b>DESIGNED:</b> SGP <b>CHECKED:</b> SGP
<b>BARTLETT ST / SITE ACCESS RD INTERSECTION</b> <b>WB-50: RIGHT-OUT</b>		

REVISIONS	
NUMBER	DATE

**Stephen G. Pernaw & Co. Inc.**  
 PO Box 1721, Concord, NH 03301  
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NORTH MILL POND  
(TIDAL)

### Site Access Road

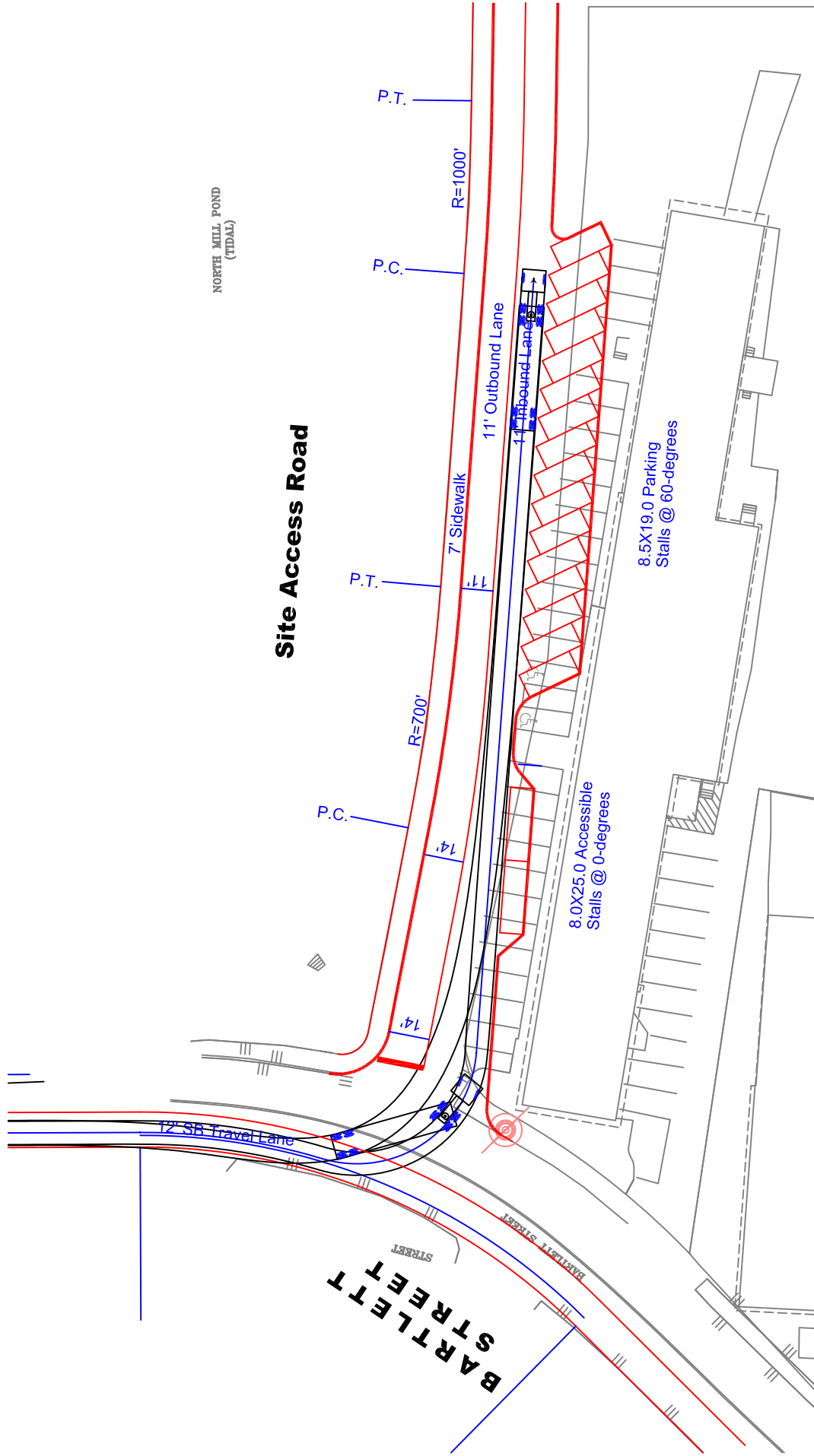


EXHIBIT 1D

CLIPPER TRADERS, LLC RESIDENTIAL DEVELOPMENT PORTSMOUTH, NEW HAMPSHIRE  BARTLETT ST / SITE ACCESS RD INTERSECTION WB-50: LEFT-IN	DRAWN: CAP	SCALE: 1" = 50'	TRANSPORTATION - ENGINEERING - SURVEYING - DESIGN	SGP
	DESIGNED: SGP	JOB NO. 1821A	Stephen G. Pernaw & Co. Inc. PO Box 1721, Concord, NH 03301 Phone: (603) 228-5750, Fax: (603) 928-0094	
	CHECKED: SGP	DATE: 10/06/18		

REVISIONS	
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NORTH MILL POND  
(TIDAL)

### Site Access Road

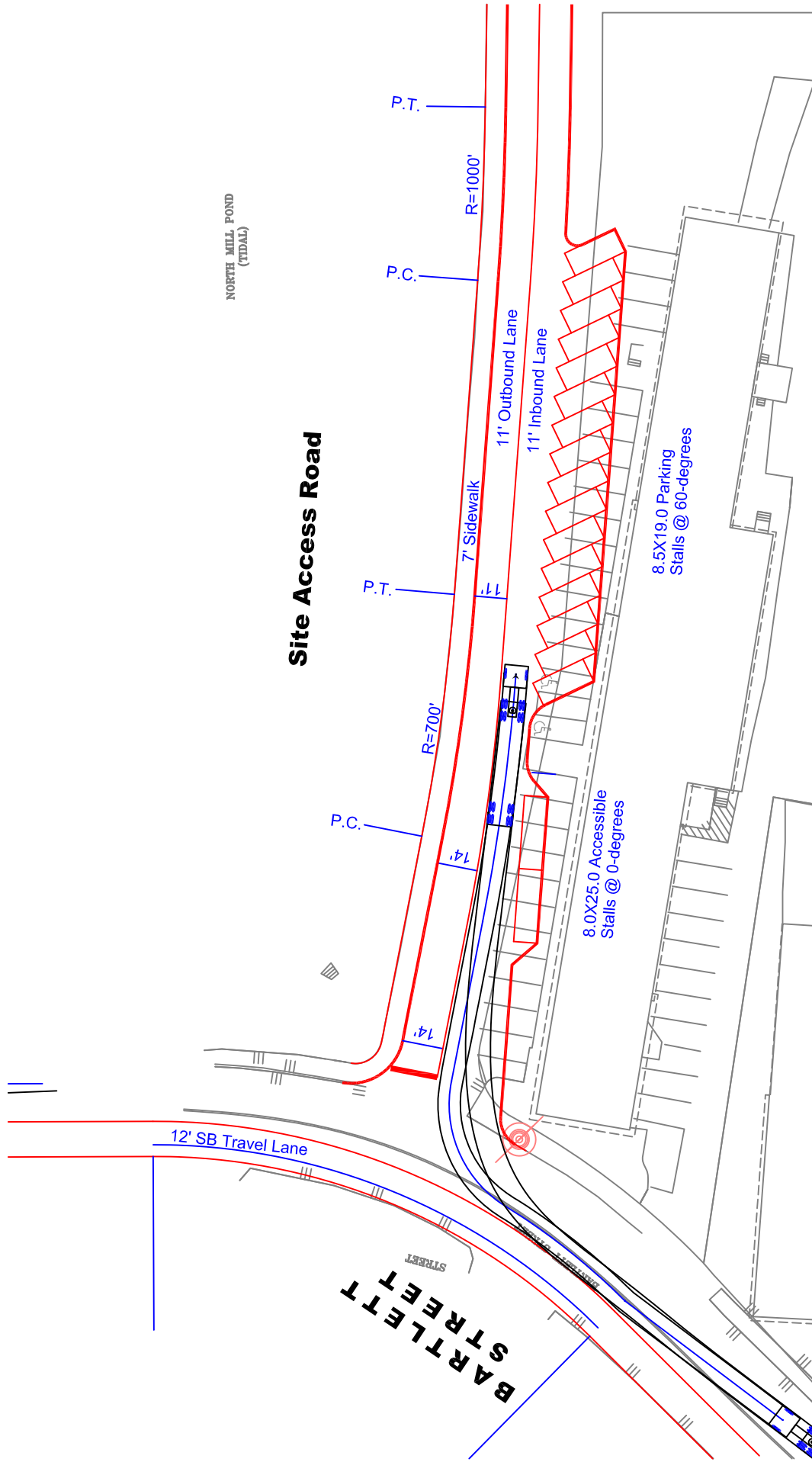

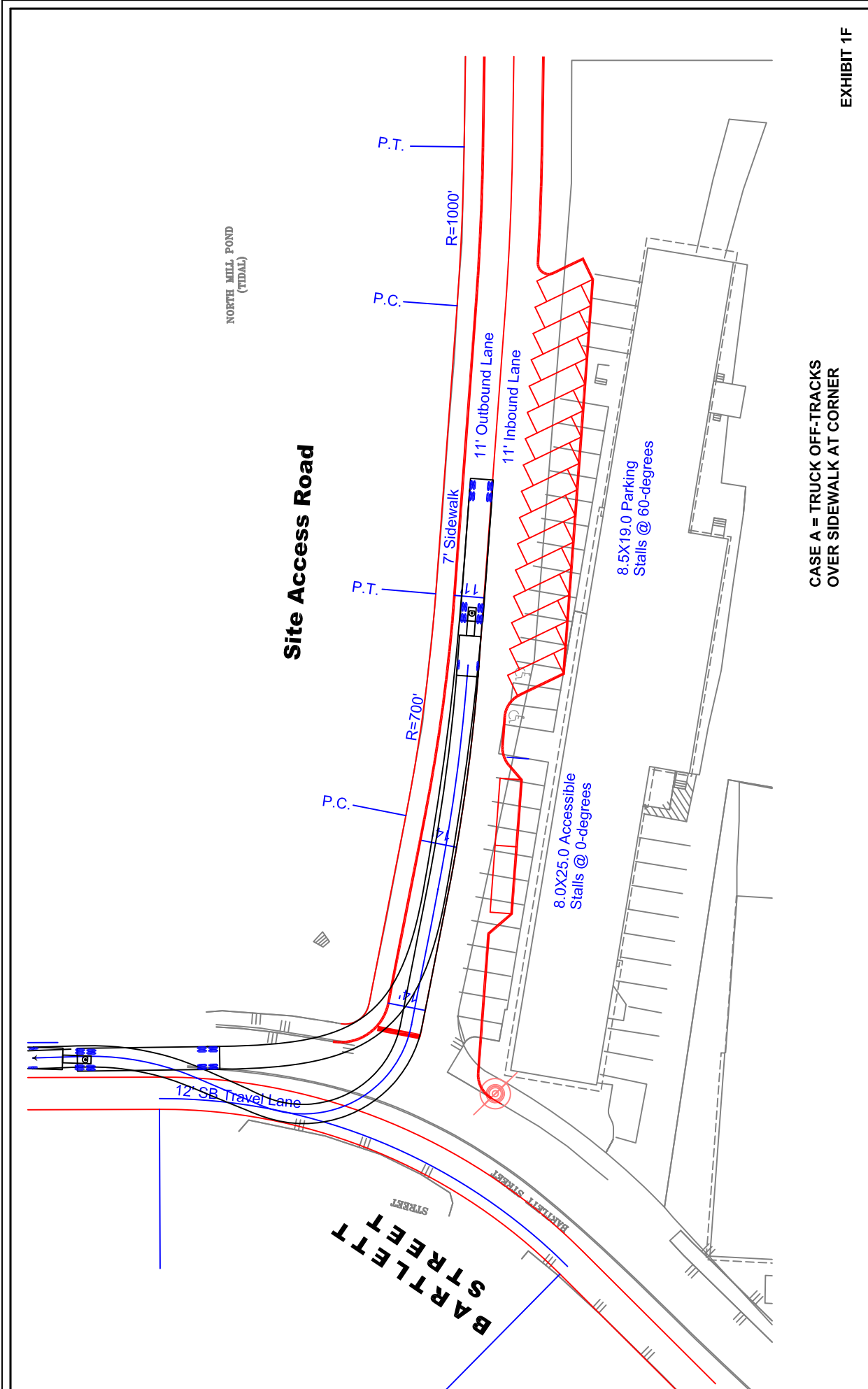


EXHIBIT 1E

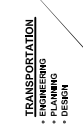
 <p><b>SGP</b></p> <p>TRANSPORTATION - ENGINEERING - SURVEYING - DESIGN</p> <p><b>Stephen G. Pernaw &amp; Co. Inc.</b> PO Box 1721, Concord, NH 03301 Phone: (603) 228-5750, Fax: (603) 228-0094</p>		<p>SCALE: 1" = 50'</p>	<p>JOB NO. 1821A</p>	<p>DATE: 10/06/18</p>
<p>DRAWN: CAP</p>	<p>DESIGNED: SGP</p>	<p>CLIPPER TRADERS, LLC RESIDENTIAL DEVELOPMENT PORTSMOUTH, NEW HAMPSHIRE</p>		
<p>CHECKED: SGP</p>	<p>BARTLETT ST / SITE ACCESS RD INTERSECTION WB-50: RIGHT-IN</p>			

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NUMBER	DESCRIPTION



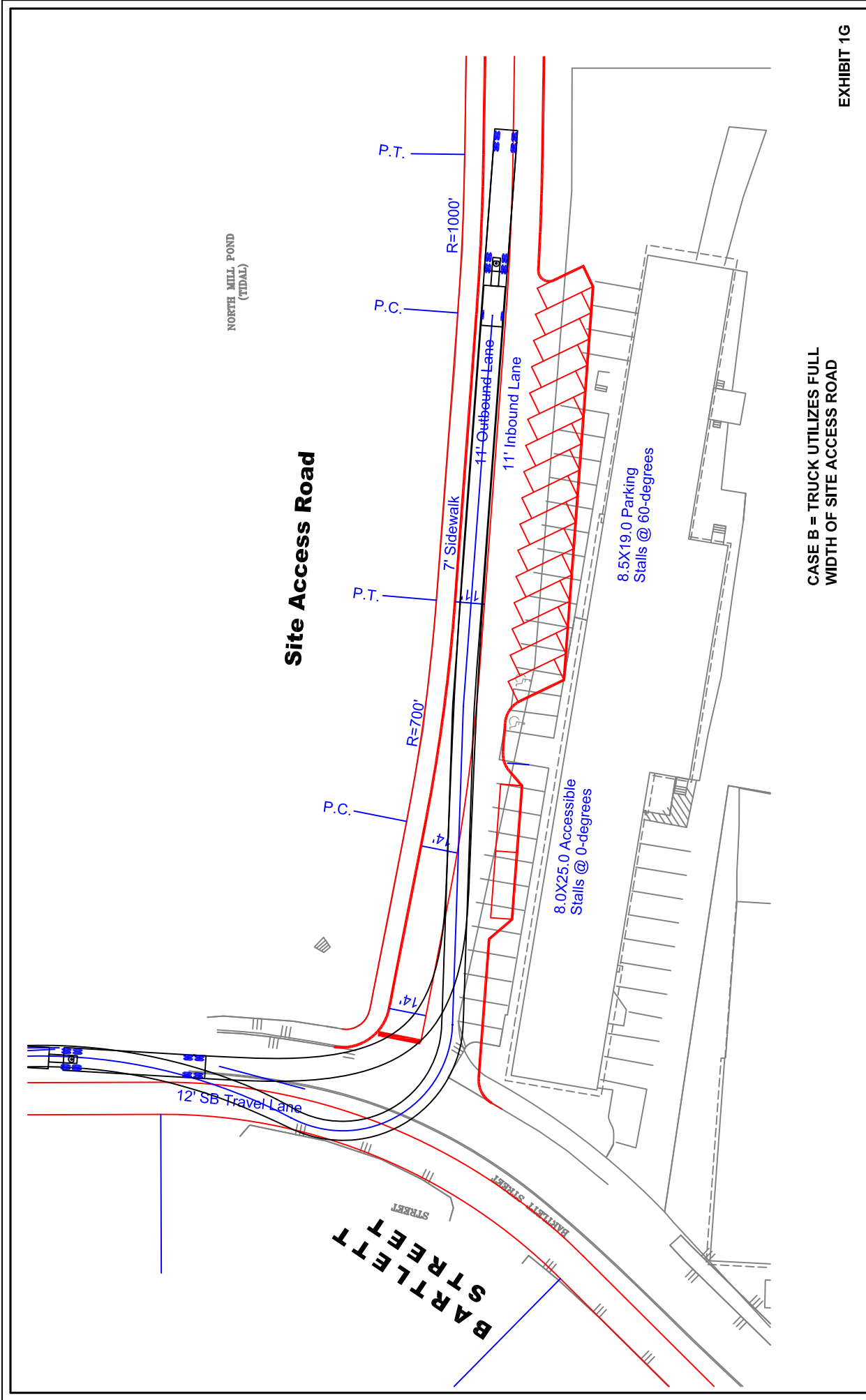
**CASE A = TRUCK OFF-TRACKS OVER SIDEWALK AT CORNER**

EXHIBIT 1F

		<b>SGP</b> <b>Stephen G. Pernaw &amp; Co. Inc.</b> PO Box 1721, Concord, NH 03301 Phone: (603) 228-5750, Fax: (603) 228-0994	
SCALE:	1" = 50'	JOB NO.	1821A
DATE:	10/06/18	CHECKED:	SGP
DESIGNED:	SGP	DRAWN:	CAP
<b>CLIPPER TRADERS, LLC</b> RESIDENTIAL DEVELOPMENT PORTSMOUTH, NEW HAMPSHIRE		<b>BARTLETT ST / SITE ACCESS RD</b> INTERSECTION <b>WB-67: RIGHT-OUT (Case A)</b>	

REVISIONS	
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**CASE B = TRUCK UTILIZES FULL WIDTH OF SITE ACCESS ROAD**

**EXHIBIT 1G**

CLIPPER TRADERS, LLC RESIDENTIAL DEVELOPMENT PORTSMOUTH, NEW HAMPSHIRE		DRAWN: <b>CAP</b>	SCALE: <b>1" = 50'</b>	TRANSPORTATION - ENGINEERING - SURVEYING - DESIGN	
BARTLETT ST / SITE ACCESS RD INTERSECTION <b>WB-67: RIGHT-OUT (Case B)</b>		DESIGNED: <b>SGP</b>	JOB NO. <b>1821A</b>	<b>Stephen G. Pernaw &amp; Co. Inc.</b> PO Box 1721, Concord, NH 03301 Phone: (603) 228-5750, Fax: (603) 228-0994	
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