



**NORTH EXTENSION  
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a	318	#4	3'-3"	—
b	159	#4	6'-9"	┌
b <sub>1</sub>	159	#4	9'-9"	┌
d	3	#4	4'-6"	┌
h	64	#4	34'-6"	—
h <sub>1</sub>	32	#5	34'-10"	—
h <sub>2</sub>	16	#6	4'-3"	—
h <sub>3</sub>	7	#5	8'-0"	┌
h <sub>4</sub>	6	#5	6'-11"	┌
h <sub>5</sub>	7	#5	8'-0"	┌
h <sub>6</sub>	6	#5	11'-0"	┌
s	10	#4	3'-7"	□
s <sub>1</sub>	5	#4	3'-6"	□
v	8	#4	6'-1"	—
			<b>Concrete Box Culverts</b>	<b>Cu. Yd.</b> 39.6
			<b>Reinforcement Bars</b>	<b>Pound</b> 5490
			<b>Expansion Bolts 3/4"</b>	<b>Each</b> 8

**CB Coombe-Bloxdorf P.C.**  
- CIVIL ENGINEERS -  
- STRUCTURAL ENGINEERS -  
- LAND SURVEYORS -  
Design Firm License No. 184-002703