

RETAINING WALL # 1

MARK	SIZE	LENGTH	NUMBER	WEIGHT
4 60 0	4	60 0	110	4409.7
4 22 0	4	22 0	10	147.0
5 60 0	5	60 0	165	10335.2
5 28 0	5	28 0	15	438.5
5 06 0	5	6 0	668	4171.7
B5 07 6	5	7 6	668	5214.6
BS5 05 0	5	5 0	668	3476.4
BS5 05 9	5	5 9	668	3997.8
BS5 08 10	5	8 10	668	6141.6

SUB-TOTAL RETAINING WALL # 1

REINFORCING STEEL 38,332 LBS  
 CLASS A CONCRETE, MODIFIED (MAJOR) 432 CY

RETAINING WALL # 2

MARK	SIZE	LENGTH	NUMBER	WEIGHT
4 60 0	4	60 0	140	5612.3
4 18 0	4	18 0	10	120.3
5 60 0	5	60 0	210	13153.9
5 25 0	5	25 0	15	391.5
5 06 0	5	6 0	837	5242.8
B5 07 6	5	7 6	837	6553.5
BS5 05 0	5	5 0	837	4369.0
BS5 05 9	5	5 9	837	5024.3
BS5 08 10	5	8 10	837	7718.5

SUB-TOTAL RETAINING WALL # 2

REINFORCING STEEL 48,186 LBS  
 CLASS A CONCRETE, MODIFIED (MAJOR) 543 CY

RETAINING WALL # 3

MARK	SIZE	LENGTH	NUMBER	WEIGHT
4 60 0	4	60 0	160	6414.1
4 41 0	4	41 0	10	273.9
5 60 0	5	60 0	240	15033.0
5 48 0	5	48 0	15	751.7
5 06 0	5	6 0	978	6113.4
B5 07 6	5	7 6	978	7841.8
BS5 05 0	5	5 0	978	5094.5
BS5 05 9	5	5 9	978	5858.7
BS5 08 10	5	8 10	978	9000.3

SUB-TOTAL RETAINING WALL # 3

REINFORCING STEEL 58,181 LBS  
 CLASS A CONCRETE, MODIFIED (MAJOR) 633 CY

RETAINING WALL # 4

MARK	SIZE	LENGTH	NUMBER	WEIGHT
4 60 0	4	60 0	180	7215.8
4 32 0	4	32 0	10	213.8
5 60 0	5	60 0	270	16912.1
5 40 0	5	40 0	15	626.4
5 06 0	5	6 0	1084	6789.9
B5 07 6	5	7 6	1084	8487.4
BS5 05 0	5	5 0	1084	5658.3
BS5 05 9	5	5 9	1084	6507.0
BS5 08 10	5	8 10	1084	9996.3
BS8 06 6	6	6 6	8	78.2

SUB-TOTAL RETAINING WALL # 4

REINFORCING STEEL 62,485 LBS  
 CLASS A CONCRETE, MODIFIED (MAJOR) 638 CY

RETAINING WALL # 5

MARK	SIZE	LENGTH	NUMBER	WEIGHT
4 60 0	4	60 0	60	2405.3
4 23 0	4	23 0	10	153.7
5 60 0	5	60 0	90	5637.4
5 25 0	5	25 0	15	391.5
5 06 0	5	6 0	375	2348.9
B5 07 6	5	7 6	375	2936.1
BS5 05 0	5	5 0	375	1957.4
BS5 05 9	5	5 9	375	2251.0
BS5 08 10	5	8 10	375	3458.1
BS8 06 6	6	6 6	4	39.1

SUB-TOTAL RETAINING WALL # 5

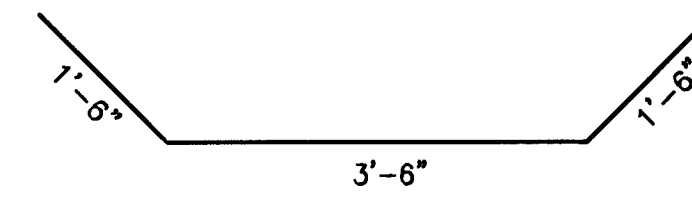
REINFORCING STEEL 21,579 LBS  
 CLASS A CONCRETE, MODIFIED (MAJOR) 242 CY

RETAINING WALL # 6

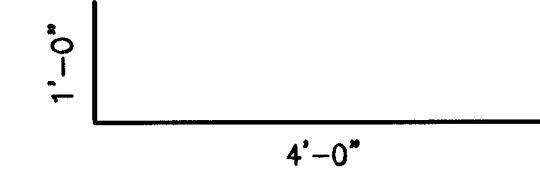
MARK	SIZE	LENGTH	NUMBER	WEIGHT
4 60 0	4	60 0	90	3607.9
4 13 0	4	13 0	10	86.9
5 60 0	5	60 0	135	8456.1
5 17 0	5	17 0	15	266.2
5 06 0	5	6 0	540	3382.4
B5 07 6	5	7 6	540	4228.0
BS5 05 0	5	5 0	540	2818.7
BS5 05 9	5	5 9	540	3241.5
BS5 08 10	5	8 10	540	4979.7
BS8 06 6	6	6 6	4	39.1

SUB-TOTAL RETAINING WALL # 6

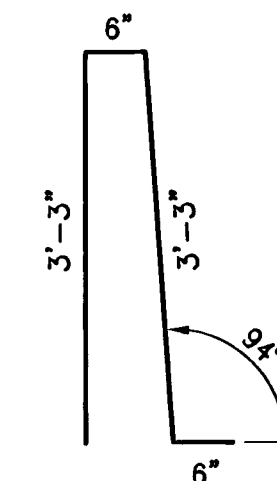
REINFORCING STEEL 31,106 LBS  
 CLASS A CONCRETE, MODIFIED (MAJOR) 350 CY



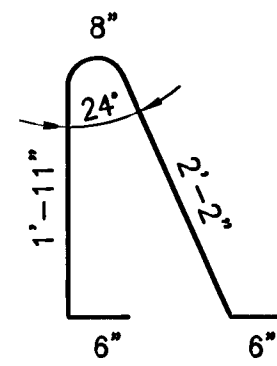
BS6066



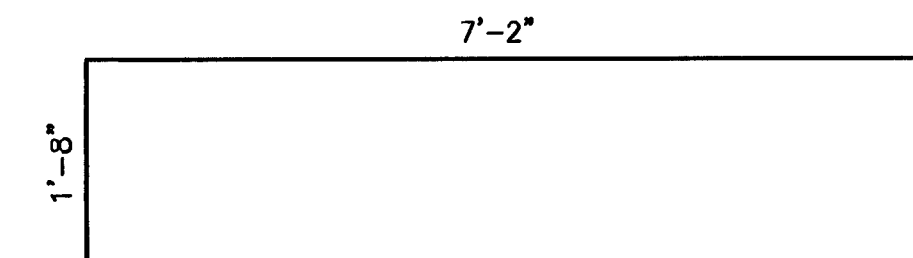
BS5050



BS076



BS5059



BS50810

<b>PUBLIC WORKS DEPARTMENT</b> 400 E. STEWART AVE. LAS VEGAS, NV 89101 702-226-6272		<b>CITY OF LAS VEGAS, NV</b> R <sub>2</sub> H ENGINEERING, INC. CONSULTING STRUCTURAL ENGINEERS 840 GREER DRIVE, SUITE 300 • LAS VEGAS, NEVADA • 89119 PHONE (702) 260-1000 • FAX (702) 260-7070	
<b>MSE RETAINING WALL BAR BENDING DIAGRAMS AND BILL OF MATERIALS</b>		<b>HORSE DRIVE / US 95 INTERCHANGE</b>	
DESIGNED BY: R. DAVIS	6/30/2008	CHECKED BY: R. DAVIS	6/30/2008
DRAWN BY: A. GRANT	6/30/2008	PROJECT NO.:	30027
		SCALE:	NONE
SHEET <b>444 RW33</b> OF 453 SHEETS		DRAWING NO. <b>107V3759</b>	