



Blast Report



Job#	103-03-01462	Cust. PO#	N/A	
Date	9/4/2024	Cust. Supt. Name	RON	
Customer Name	D & M Civil Inc	Pick Tks#	35356	N/A
Job Address	Cell Signaling Site D & M Civil Inc By The Sea		N/A	N/A
			N/A	N/A

State MA Permit No. _____ Identify Hazards

Pre Shift Insp.Time (24hrs) : 7:00:00 AM FLY ROCK

Post Shift Insp.Time (24hrs): 3:00:00 PM PROPERTY DAMAGE

Blaster : Swaby;Hoip D Precautions Taken:
 License #: 007151 DOUBLE MAT & USE BLAST DESIGN

Signature: _____ MOVE ALL MOVEABLES



Weather Comments:
SUNNY

No. of Crew Members	<u>2</u>		
Crew Members Names :			
DAVID S	PAUL C	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Seismograph Monitoring Plan (Not to Scale):



Shot # 27 Shot Time (24hrs) 10:00 Shot VideoTaped: Y

Weather

Notes: SHOT #27
BLAST FOR DRAIN, CATCH BASIN

Weather Conditions: Sunny
Temp (°F): 65-75
Wind Direction: North
Wind Spd: 1-5 MPH

Preblast

Blast Direction: East Max Holes/Delay: 1 Predicted K Factor: 242
Blast Location: DRAIN/CATCH BASIN Slope: -1.6 Scale Dist.: 106.95
Location of Structure: 1 BEAVER DAM RD Predicted Max Weigh/Delay: 32 Lbs Predicted PPV: 0.14
Measurement Google Map Dist. to Closest (Ft) Structure 605 Railroad/Highway 650 Overhead Util 348 Underground Util 348

Pay Quantities

Pay Calculations Notes

Fire Detail # of Hrs: 8
Pay Square Area 1540 Feet
N/A N/A
N/A N/A

5 X 7 X 44 HOLES = 1540 SQ FT

Shot Info

Configuration

1 - Trench

Total Drill Depth(Ft)	<u>484.00</u>	Total SqFt	<u>1540.00</u>	Avg Powder	<u>1.65</u> Lbs/Cyd	Total Product Weight (Lbs) :	<u>1036</u>
Total Tons	<u>N/A</u>	Total Yards	<u>627.41</u>	Factor	<u>0.61</u> Cyd/Lbs	Avg Weight / Hole (Lbs):	<u>23.55</u>

Cal Method	Pattern							
# Holes	<u>44</u>	# Loaded Holes	<u>44</u>	Cover Used/No	<u>Blast</u>		<u>29</u>	
	AVG	Min	Max					
Drill Depth	<u>11</u>	<u>10</u>	<u>13</u>	Stone Weight	<u>N/A</u> /Cyd	Top Stemming	<u>6</u> Min	<u>9</u> Max
Burden(Feet)	<u>5</u> Feet	<u>5</u>	<u>5</u>	Type of Terrain	<u>Flat/Sloped</u>	Charges/Hole	<u>1</u> Min	<u>1</u> Max
Spacing (Feet)	<u>7</u> Feet	<u>7</u>	<u>7</u>	Type of Rock	<u>Granite</u>	Deck Stemming	<u>0</u> Min	<u>0</u> Max
Hole Diameter	<u>3.5</u>	<u>3.5</u>	<u>3.5</u>	Stemming Type	<u>3/8" Crushed Stone</u>	Charge Wgt/Deck	<u>16</u> Min	<u>32</u> Max
OverBurden (Ft)	<u>1</u>	<u>0</u>	<u>5</u>	Height of Face	<u>0</u>	Depth of Water	<u>0</u> Min	<u>3</u> Max
Control Row Taped	<u>N</u>			Angled Holes /Face Bermed	<u>N/Y</u>	Laser/BoreTracking	<u>N</u>	

Total Pounds 1036.00 Lbs

Type Of Initiation: Non-Electric

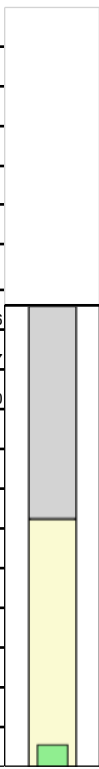
Product #	Desc	Density	Wgt
QR743G	TITAN 1000 LD (G)	1.25	1003.00 Lbs
BA BULK Totals:		N/A	1003.00 Lbs
Product #	Desc	Qty	Wgt
SP0350	TROJAN SPARTAN 350G BOOSTER 49/CS	44	33.00 Lbs
BOOSTERS Totals:		44	33.00 Lbs

Product #	Desc	Qty	Length
DXABZ623	NONEL EZDET 25/350 24FT ZCOMP 60/CS	44	
DETS DHOLE Totals:		44	
Product #	Desc	Qty	Length
DJ25025	NONEL LEADLINE 2500FT/762M 2/CS	1	500
LINES Totals:		1	
Product #	Desc	Qty	Length
DY17Z812ME	NONEL EZTL CPZ 17 MS 12FT 90/180/CS	17	
DY25Z812ME	NONEL EZTL CPZ 25 MS 12FT 90/180/CS	39	
SURF DELAY Totals:		56	

Descripton: MAX/LBS

Elevation	Feet
Brench (ft)	N/A
Floor (ft)	N/A
Overburden (ft)	0
Sub Drilling(ft)	2
Total Depth (ft)	13.00

Stemming Stones	6
TITAN 1000 LD (G)	7
TROJAN SPARTAN 350G BOOSTER 49/CS	0
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	



Seismographs

Actual Max Weight/Delay:32

Lbs

Operator Name	Location of Seis	GPS Location	Seis #	Monitor Log Status	Actual PPV	Actual PPV Freq,	Actual db	Actual Dist. (ft)	Actual K Factor
DAVID S	1 BEAVER DAM RD	42°35'39.26"N	10755	Triggered	0.041	25.6	114.9	605	72
DAVID S	MANHCHESTER ATHLETIC CLUB	42°35'30.75"N	10289	Triggered	0.087	51.2	123.0	620	160
MARCUS K	27 MILL ST	42.592791 N	10883	Triggered	0.070	32.0	104.9	893	230
MARCUS K	MEDICAL BUILDING	42.590592 N	10260	Threshold Not Met	N/A	N/A	N/A	942	N/A

Shot # 28 Shot Time (24hrs) 13:16 Shot VideoTaped: Y

Weather

Notes: SHOT #28
BLAST FOR ROAD, SLOPE
ELEVATION IS 98 TO 104
DRILLED TO ELEVATION 96

Weather Conditions: Sunny
Temp (°F): 65-75
Wind Direction: North
Wind Spd: 1-5 MPH

Preblast

Blast Direction: West Max Holes/Delay: 1 Predicted K Factor: 160
Blast Location: ROAD/SLOPE Slope: -1.6 Scale Dist.: 68.05
Location of Structure: 1 BEAVER DAM RD Predicted Max Weigh/Delay: 42 Lbs Predicted PPV: 0.19
Measurement Google Map Dist. to Closest (Ft) Structure 441 Railroad/Highway 273 Overhead Util 601 Underground Util 601

Pay Quantities

Pay Calculations Notes

Fire Detail # of Hrs: 8
Pay Square Area 2736 Feet
N/A N/A
N/A N/A

6 X 8 X 57 HOLES = 2736 SQ FT

Shot Info

Configuration

1 - Trench

Total Drill Depth(Ft)	<u>741.00</u>	Total SqFt	<u>2736.00</u>	Avg Powder	<u>1.56</u> Lbs/Cyd	Total Product Weight (Lbs) :	<u>2054</u>
Total Tons	<u>N/A</u>	Total Yards	<u>1317.33</u>	Factor	<u>0.64</u> Cyd/Lbs	Avg Weight / Hole (Lbs):	<u>36.04</u>

Cal Method	Pattern						
# Holes	<u>57</u>	# Loaded Holes	<u>57</u>	Cover Used/No	<u>Blast</u>	<u>40</u>	
	AVG	Min	Max				
Drill Depth	<u>13</u>	<u>13</u>	<u>13</u>	Stone Weight	<u>N/A</u> /Cyd	Top Stemming	<u>5</u> Min <u>7</u> Max
Burden(Feet)	<u>6</u> Feet	<u>6</u>	<u>6</u>	Type of Terrain	<u>Flat/Sloped</u>	Charges/Hole	<u>1</u> Min <u>1</u> Max
Spacing (Feet)	<u>8</u> Feet	<u>8</u>	<u>8</u>	Type of Rock	<u>Granite</u>	Deck Stemming	<u>0</u> Min <u>0</u> Max
Hole Diameter	<u>3.5</u>	<u>3.5</u>	<u>3.5</u>	Stemming Type	<u>3/8" Crushed Stone</u>	Charge Wgt/Deck	<u>28</u> Min <u>42</u> Max
OverBurden (Ft)	<u>3</u>	<u>0</u>	<u>5</u>	Height of Face	<u>0</u>	Depth of Water	<u>0</u> Min <u>3</u> Max
Control Row Taped	<u>Y</u>			Angled Holes /Face Bermed	<u>N/Y</u>	Laser/BoreTracking	<u>N</u>

Total Pounds 2054.25 Lbs

Type Of Initiation: **Non-Electric**

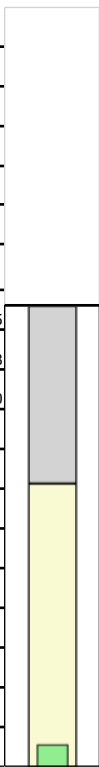
Product #	Desc	Density	Wgt
QR743G	TITAN 1000 LD (G)	1.25	2001.00 Lbs
BA BULK Totals:		N/A	2001.00 Lbs
Product #	Desc	Qty	Wgt
SP0350	TROJAN SPARTAN 350G BOOSTER 49/CS	71	53.25 Lbs
BOOSTERS Totals:		71	53.25 Lbs

Product #	Desc	Qty	Length
DXABZ623	NONEL EZDET 25/350 24FT ZCOMP 60/CS	71	
DETS DHOLE Totals:		71	
Product #	Desc	Qty	Length
DJ25025	NONEL LEADLINE 2500FT/762M 2/CS	1	500
LINES Totals:		1	
Product #	Desc	Qty	Length
DY17Z812ME	NONEL EZTL CPZ 17 MS 12FT 90/180/CS	8	
DY25Z812ME	NONEL EZTL CPZ 25 MS 12FT 90/180/CS	48	
SURF DELAY Totals:		56	

Descripton: MAX/LBS

Elevation	Feet
Brench (ft)	N/A
Floor (ft)	N/A
Overburden (ft)	0
Sub Drilling(ft)	3
Total Depth (ft)	13.00

Stemming Stones	5
TITAN 1000 LD (G)	8
TROJAN SPARTAN 350G BOOSTER 49/CS	0
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	



Seismographs

Actual Max Weight/Delay:42

Lbs

Operator Name	Location of Seis	GPS Location	Seis #	Monitor Log Status	Actual PPV	Actual PPV Freq,	Actual db	Actual Dist. (ft)	Actual K Factor
DAVID S	1 BEAVER DAM RD	42°35'39.26"N	10755	Triggered	0.071	22.0	121.2	441	61
DAVID S	MANHCHESTER ATHLETIC CLUB	42°35'30.75"N	10289	Threshold Not Met	N/A	N/A	N/A	1255	N/A
MARCUS K	27 MILL ST	42.592791 N	10883	Triggered	0.070	34.1	106.6	949	204
MARCUS K	MEDICAL BUILDING	42.590592 N	10260	Threshold Not Met	N/A	N/A	N/A	1669	N/A