



Blast Report



| | | | | |
|---------------|--|------------------|-------|-----|
| Job# | 1202237100 | Cust. PO# | N/A | |
| Date | 1/9/2025 | Cust. Supt. Name | MATT | |
| Customer Name | D & M Civil Inc | Pick Tks# | 34575 | N/A |
| Job Address | Cell Signaling Site D & M Civil Inc By The Sea | N/A | N/A | N/A |
| | | N/A | N/A | N/A |

State MA Permit No. _____ Identify Hazards FLY ROCK

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

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

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

License #: 007151

Signature: 

Weather Comments: CLOUDY

No. of Crew Members 2

Crew Members Names :

| | | | |
|---------|-----------|-----|-----|
| BOBBY B | SPENCER G | 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 # 18 Shot Time (24hrs) 10:45 Shot VideoTaped: Y

Weather

Notes: SHOT #18
SHOT FOR DRAIN & WATER

Weather Conditions: Cloudy
Temp (°F): 35-45
Wind Direction: North
Wind Spd: 5-15 MPH

Preblast

Blast Direction: North Max Holes/Delay: 2.00 Predicted K Factor: 242
Blast Location: WATER/DRAIN Slope: -1.60 Scale Dist.: 102.83
Location of Structure: MANCHESTER ATHLETIC CLUB Predicted Max Weigh/Delay: 36 Lbs Predicted PPV: 0.15
Measurement GPS Dist. to Closest (Ft) 617 Structure 617 Railroad/Highway 278 Overhead Util 552 Underground Util 552

Pay Quantities

Pay Calculations Notes

Fire Detail # of Hrs: 8
Pay Square Area 1120.00 Feet
N/A N/A N/A
N/A N/A N/A

5 X 7 X 32 HOLES = 1120 SQ FT

Shot Info

Configuration

1 - Open

| | | | | | | | |
|-----------------------|---------------|-------------|----------------|------------|---------------------|------------------------------|--------------|
| Total Drill Depth(Ft) | <u>480.00</u> | Total SqFt | <u>1120.00</u> | Avg Powder | <u>0.91</u> Lbs/Cyd | Total Product Weight (Lbs) : | <u>566</u> |
| Total Tons | <u>N/A</u> | Total Yards | <u>622.22</u> | Factor | <u>1.10</u> Cyd/Lbs | Avg Weight / Hole (Lbs): | <u>17.69</u> |

| | | | | | | | | | |
|-------------------|------------------|----------------|--------------|---------------------------|---------------------------|--------------------|-----------------|------------------|--|
| Cal Method | Pattern | | | | | | | | |
| # Holes | <u>32</u> | # Loaded Holes | <u>32</u> | Cover Used/No | <u>Blast</u> | | <u>17</u> | | |
| | AVG | Min | Max | | | | | | |
| Drill Depth | <u>15.00</u> | <u>15.00</u> | <u>15.00</u> | Stone Weight | <u>N/A</u> /Cyd | Top Stemming | <u>6.00</u> Min | <u>10.00</u> Max | |
| Burden(Feet) | <u>5.00</u> Feet | <u>5.00</u> | <u>5.00</u> | Type of Terrain | <u>Flat/Sloped</u> | Charges/Hole | <u>1</u> Min | <u>1</u> Max | |
| Spacing (Feet) | <u>7.00</u> Feet | <u>7.00</u> | <u>7.00</u> | Type of Rock | <u>Granite</u> | Deck Stemming | <u>0.00</u> Min | <u>0.00</u> Max | |
| Hole Diameter | <u>3.50</u> | <u>3.50</u> | <u>3.50</u> | Stemming Type | <u>3/8" Crushed Stone</u> | Charge Wgt/Deck | <u>15</u> Min | <u>19</u> Max | |
| OverBurden (Ft) | <u>6.00</u> | <u>2.00</u> | <u>9.00</u> | Height of Face | <u>0.00</u> | Depth of Water | <u>0.00</u> Min | <u>0.00</u> Max | |
| Control Row Taped | <u>Y</u> | | | Angled Holes /Face Bermed | <u>N/Y</u> | Laser/BoreTracking | <u>N</u> | | |

Total Pounds 565.98 Lbs

Type Of Initiation: Non-Electric

| Product # | Desc | Qty | Wgt | Lbs |
|---------------------------|-------------------------------------|---------------|---------------|------------|
| QD51425016 | Blastex 2 1/2 X 16 40lbs/Cs 12/Stks | 156.00 | 519.48 | Lbs |
| BAPACKAGED Totals: | | 156.00 | 519.48 | Lbs |

| Product # | Desc | Qty | Length |
|---------------------------|-------------------------------------|--------------|--------|
| DXABZ623 | NONEL EZDET 25/350 24FT ZCOMP 60/CS | 62.00 | |
| DETS DHOLE Totals: | | 62.00 | |

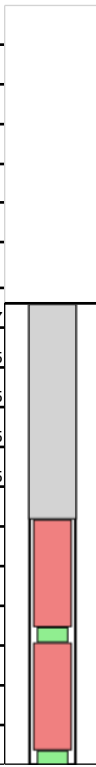
| Product # | Desc | Qty | Wgt | Lbs |
|-------------------------|-----------------------------------|--------------|--------------|------------|
| SP0350 | TROJAN SPARTAN 350G BOOSTER 49/CS | 62.00 | 46.50 | Lbs |
| BOOSTERS Totals: | | 62.00 | 46.50 | Lbs |

| Product # | Desc | Qty | Length |
|---------------------------|-------------------------------------|--------------|--------|
| DY17Z812ME | NONEL EZTL CPZ 17 MS 12FT 90/180/CS | 12.00 | |
| DY25Z812ME | NONEL EZTL CPZ 25 MS 12FT 90/180/CS | 5.00 | |
| SURF DELAY Totals: | | 17.00 | |

Descriptor: MAX/LBS

| Elevation | Feet |
|-------------------------|--------------|
| Brench (ft) | N/A |
| Floor (ft) | N/A |
| Overburden (ft) | 6 |
| Sub Drilling(ft) | 3.00 |
| Total Depth (ft) | 15.00 |

| | |
|-------------------------------------|-----|
| Stemming Stones | 7 |
| Blastex 2 1/2 X 16 40lbs/Cs 12/Stks | 3.5 |
| TROJAN SPARTAN 350G BOOSTER 49/CS | 0.5 |
| Blastex 2 1/2 X 16 40lbs/Cs 12/Stks | 3.5 |
| TROJAN SPARTAN 350G BOOSTER 49/CS | 0.5 |
| N/A | |
| N/A | |
| N/A | |
| N/A | |
| N/A | |
| N/A | |
| N/A | |
| N/A | |



Seismographs

Actual Max Weight/Delay:36

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 |
|---------------|--------------------------|---------------|--------|--------------------|------------|------------------|-----------|-------------------|-----------------|
| H SWABY | MANCHESTER ATHLETIC CLUB | 42°35'39.26"N | 10289 | Triggered | 0.668 | 43.6 | 118.0 | 350 | 447 |
| H SWABY | 1 BEAVER DAM RD | 42°35'38.59"N | 10292 | Triggered | 0.050 | 33.6 | 106.8 | 882 | 147 |
| H SWABY | 27 MILL ST | 42.590592 N | 10883 | Threshold Not Met | N/A | N/A | N/A | 522 | N/A |
| H SWABY | MEDICAL BUILDING | 42.592791 N | 10260 | Threshold Not Met | N/A | N/A | N/A | 1044 | N/A |

Shot # 19 Shot Time (24hrs) 13:00 Shot VideoTaped: Y

Weather

Notes: SHOT #19
SHOT FOR DRAIN & WATER

Weather Conditions: Cloudy
Temp (°F): 35-45
Wind Direction: North
Wind Spd: 5-15 MPH

Preblast

Blast Direction: South Max Holes/Delay: 2.00 Predicted K Factor: 160
Blast Location: WATER/DRAIN Slope: -1.60 Scale Dist.: 53.74
Location of Structure: MANCHESTER ATHLETIC CLUB Predicted Max Weigh/Delay: 26 Lbs Predicted PPV: 0.27
Measurement GPS Dist. to Closest (Ft) 274 Structure 274 Railroad/Highway 419 Overhead Util 335 Underground Util 335

Pay Quantities

Pay Calculations Notes

Fire Detail # of Hrs: 8
Pay Square Area 420 Feet
N/A N/A
N/A N/A

4 X 7 X 15 HOLES = 420 SQ FT

Shot Info

Configuration

1 - Open

| | | | | | | | |
|-----------------------|---------------|-------------|---------------|------------|---------------------|------------------------------|--------------|
| Total Drill Depth(Ft) | <u>180.00</u> | Total SqFt | <u>420.00</u> | Avg Powder | <u>0.95</u> Lbs/Cyd | Total Product Weight (Lbs) : | <u>178</u> |
| Total Tons | <u>N/A</u> | Total Yards | <u>186.67</u> | Factor | <u>1.05</u> Cyd/Lbs | Avg Weight / Hole (Lbs): | <u>11.87</u> |

| | | | | | | | | | | |
|-------------------|------------------------------------|------------------------------------|------------------------------------|---------------------------|-----------------------------------|--------------------|-----------------------------------|-----|-----------------------------------|-----|
| Cal Method | Pattern | | | | | | | | | |
| # Holes | <input type="text" value="15"/> | # Loaded Holes | <input type="text" value="15"/> | Cover Used/No | Blast | | | | <u>13</u> | |
| | AVG | Min | Max | | | | | | | |
| Drill Depth | <input type="text" value="12.00"/> | <input type="text" value="12.00"/> | <input type="text" value="12.00"/> | Stone Weight | <u>N/A</u> /Cyd | Top Stemming | <input type="text" value="6.00"/> | Min | <input type="text" value="9.00"/> | Max |
| Burden(Feet) | <input type="text" value="4.00"/> | <input type="text" value="4.00"/> | <input type="text" value="4.00"/> | Type of Terrain | <u>Flat/Sloped</u> | Charges/Hole | <input type="text" value="1"/> | Min | <input type="text" value="1"/> | Max |
| Spacing (Feet) | <input type="text" value="7.00"/> | <input type="text" value="7.00"/> | <input type="text" value="7.00"/> | Type of Rock | <u>Granite</u> | Deck Stemming | <input type="text" value="0.00"/> | Min | <input type="text" value="0.00"/> | Max |
| Hole Diameter | <input type="text" value="3.50"/> | <input type="text" value="3.50"/> | <input type="text" value="3.50"/> | Stemming Type | <u>3/8" Crushed Stone</u> | Charge Wgt/Deck | <input type="text" value="8"/> | Min | <input type="text" value="13"/> | Max |
| OverBurden (Ft) | <input type="text" value="7.00"/> | <input type="text" value="2.00"/> | <input type="text" value="8.00"/> | Height of Face | <input type="text" value="0.00"/> | Depth of Water | <input type="text" value="0.00"/> | Min | <input type="text" value="0.00"/> | Max |
| Control Row Taped | <input type="text" value="Y"/> | | | Angled Holes /Face Bermed | <input type="text" value="N/Y"/> | Laser/BoreTracking | <input type="text" value="N"/> | | | |

Total Pounds 177.84 Lbs

Type Of Initiation: Non-Electric

| Product # | Desc | Qty | Wgt | Lbs |
|---------------------------|-------------------------------------|--------------|---------------|------------|
| QD51425016 | Blastex 2 1/2 X 16 40lbs/Cs 12/Stks | 48.00 | 159.84 | Lbs |
| BAPACKAGED Totals: | | 48.00 | 159.84 | Lbs |

| Product # | Desc | Qty | Length |
|---------------------------|-------------------------------------|--------------|--------|
| DXABZ623 | NONEL EZDET 25/350 24FT ZCOMP 60/CS | 24.00 | |
| DETS DHOLE Totals: | | 24.00 | |

| Product # | Desc | Qty | Wgt | Lbs |
|-------------------------|-----------------------------------|--------------|--------------|------------|
| SP0350 | TROJAN SPARTAN 350G BOOSTER 49/CS | 24.00 | 18.00 | Lbs |
| BOOSTERS Totals: | | 24.00 | 18.00 | Lbs |

| Product # | Desc | Qty | Length |
|---------------------------|-------------------------------------|--------------|--------|
| DY17Z812ME | NONEL EZTL CPZ 17 MS 12FT 90/180/CS | 14.00 | |
| DY25Z812ME | NONEL EZTL CPZ 25 MS 12FT 90/180/CS | 10.00 | |
| SURF DELAY Totals: | | 24.00 | |

Descriptor: MAX/LBS

| Elevation | Feet |
|-------------------------|--------------|
| Brench (ft) | N/A |
| Floor (ft) | N/A |
| Overburden (ft) | 7 |
| Sub Drilling(ft) | 3.00 |
| Total Depth (ft) | 12.00 |

| | |
|-------------------------------------|-----|
| Stemming Stones | 6 |
| Blastex 2 1/2 X 16 40lbs/Cs 12/Stks | 1.5 |
| TROJAN SPARTAN 350G BOOSTER 49/CS | 0.5 |
| Blastex 2 1/2 X 16 40lbs/Cs 12/Stks | 3.5 |
| TROJAN SPARTAN 350G BOOSTER 49/CS | 0.5 |
| N/A | |
| N/A | |
| N/A | |
| N/A | |
| N/A | |
| N/A | |
| N/A | |



Seismographs

Actual Max Weight/Delay:26

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 |
|---------------|--------------------------|---------------|--------|--------------------|------------|------------------|-----------|-------------------|-----------------|
| H SWABY | MANCHESTER ATHLETIC CLUB | 42°35'39.26"N | 10289 | Triggered | 0.216 | 55.4 | 122.9 | 274 | 127 |
| H SWABY | 1 BEAVER DAM RD | 42°35'38.59"N | 10292 | Threshold Not Met | N/A | N/A | N/A | 948 | N/A |
| H SWABY | 27 MILL ST | 42.590592 N | 10883 | Threshold Not Met | N/A | N/A | N/A | 711 | N/A |
| H SWABY | MEDICAL BUILDING | 42.592791 N | 10260 | Threshold Not Met | N/A | N/A | N/A | 810 | N/A |