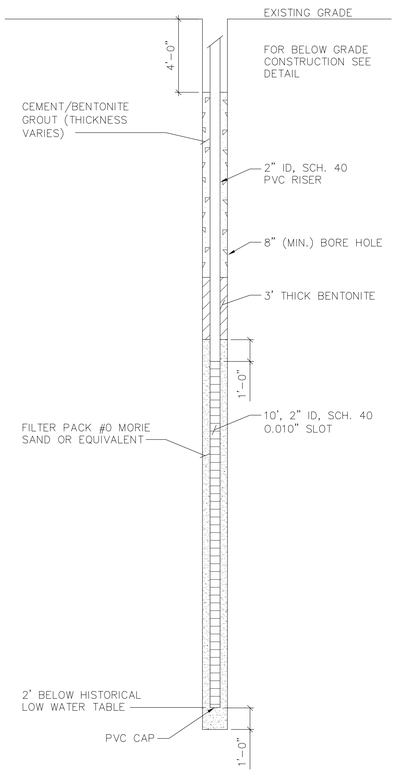
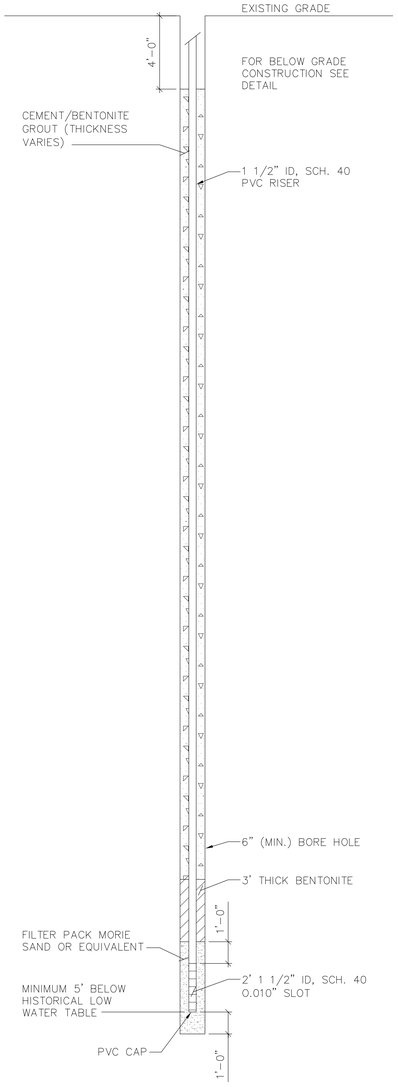



TYPICAL MPE WELL DETAIL




TYPICAL AAS WELL DETAIL

| AAS WELLS | | | | | | |
|---|---|---|---|---|---|---|
| Well Name | Easting | Northing | Top of Casing Elevation (ft AMSL) | Hist. Low Water (ft AMSL) | Depth to Bottom AAS well screen (ft bgs) | Silty Sand (ft bgs) |
| 3805 AREA NORTH OF ROUTE 26 | | | | | | |
| 2-1A | 1041221.10 | 1476223.96 | 652.27 | 627.00 | 35.00 | 39.00 |
| 2-2A | 1041271.60 | 1476257.14 | 653.56 | 626.50 | 35.50 | 36.50 |
| 2-3A | 1041278.71 | 1476175.49 | 653.85 | 627.00 | 36.00 | 38.00 |
| 2-4A | 1041334.05 | 1476207.55 | 654.36 | 626.50 | 37.50 | 36.00 |
| 2-5A | 1041337.40 | 1476126.72 | 654.62 | 627.50 | 35.50 | 35.50 |
| 2-6A | 1041387.02 | 1476160.15 | 651.16 | 627.00 | 34.00 | 35.00 |
| 3805 AREA | | | | | | |
| 3-1A | 1041079.17 | 1476061.94 | 652.71 | 629.00 | 34.00 | 40.50 |
| 3-2A | 1041136.47 | 1476013.12 | 653.56 | 630.00 | 33.00 | 40.00 |
| 3-3A | 1041194.23 | 1475965.46 | 654.52 | 631.00 | 33.00 | 40.00 |
| 3-4A | 1041250.88 | 1475916.01 | 654.77 | 632.00 | 32.50 | 39.00 |
| 4-1A | 1041026.02 | 1475936.54 | 652.77 | 631.50 | 31.00 | 41.50 |
| 4-2A | 1041084.37 | 1475979.71 | 652.44 | 630.50 | 32.00 | 40.50 |
| 4-3A | 1041083.57 | 1475890.78 | 653.62 | 632.50 | 30.90 | 41.50 |
| 4-4A | 1041141.13 | 1475931.29 | 653.88 | 631.50 | 32.00 | 40.50 |
| 4-5A | 1041141.29 | 1475842.22 | 654.57 | 633.50 | 30.90 | 41.50 |
| 4-6A | 1041198.55 | 1475882.37 | 654.28 | 632.50 | 32.00 | 40.50 |
| 4-7A | 1041198.98 | 1475793.84 | 655.23 | 634.00 | 30.90 | 41.50 |
| 4-8A | 1041257.16 | 1475835.17 | 655.33 | 633.50 | 31.50 | 40.50 |
| 4-9A | 1041251.03 | 1475748.87 | 655.53 | 634.50 | 31.50 | 40.50 |
| 5-1A | 1040963.12 | 1475807.15 | 653.53 | 634.00 | 29.25 | 42.50 |
| 5-2A | 1041021.32 | 1475847.26 | 653.28 | 633.50 | 29.60 | 41.50 |
| 5-3A | 1041020.58 | 1475758.68 | 654.21 | 634.50 | 29.50 | 42.50 |
| 5-4A | 1041078.42 | 1475798.86 | 654.39 | 634.00 | 29.80 | 41.50 |
| 5-5A | 1041078.51 | 1475709.93 | 654.68 | 635.00 | 29.80 | 42.50 |
| 5-6A | 1041136.40 | 1475750.80 | 654.28 | 634.50 | 30.75 | 42.00 |
| 5-7A | 1041136.47 | 1475662.12 | 655.61 | 635.50 | 30.50 | 42.00 |
| 5-8A | 1041193.85 | 1475701.32 | 656.25 | 635.00 | 31.00 | 41.50 |
| 5-9A | 1041194.17 | 1475613.35 | 656.97 | 636.50 | 30.50 | 41.00 |
| 6-1A | 1040902.65 | 1475675.33 | 655.18 | 635.50 | 28.00 | 44.00 |
| 6-2A | 1040961.29 | 1475715.68 | 654.28 | 635.00 | 29.00 | 43.50 |
| 6-3A | 1040959.77 | 1475627.57 | 655.09 | 636.00 | 29.00 | 43.50 |
| 6-4A | 1041017.89 | 1475667.57 | 655.30 | 635.50 | 29.50 | 43.00 |
| 6-5A | 1041018.13 | 1475579.60 | 656.16 | 637.00 | 29.00 | 43.50 |
| 6-6A | 1041075.23 | 1475619.57 | 656.33 | 636.00 | 30.00 | 42.50 |
| 6-7A | 1041075.08 | 1475530.40 | 657.23 | 638.00 | 29.00 | 43.00 |
| 6-8A | 1041133.51 | 1475571.15 | 657.38 | 637.00 | 30.00 | 42.00 |
| 6-9A | 1041131.93 | 1475482.33 | 658.29 | 638.50 | 29.50 | 41.50 |
| 6-10A | 1041190.90 | 1475522.76 | 658.28 | 637.50 | 30.50 | 41.00 |
| 7-1A | 1040899.44 | 1475584.18 | 654.80 | 637.00 | 27.50 | 44.50 |
| 7-2A | 1040898.68 | 1475494.16 | 655.53 | 638.00 | 27.00 | 45.00 |
| 7-3A | 1040956.81 | 1475535.92 | 655.79 | 637.50 | 28.00 | 44.00 |
| 7-4A | 1040956.29 | 1475447.11 | 655.99 | 638.50 | 27.00 | 44.50 |
| 7-5A | 1041014.21 | 1475487.87 | 657.09 | 638.00 | 28.50 | 43.50 |
| 7-6A | 1041012.83 | 1475398.20 | 656.88 | 639.00 | 27.50 | 43.00 |
| 7-7A | 1041071.41 | 1475438.78 | 658.58 | 639.00 | 29.00 | 42.00 |
| 7-8A | 1041071.45 | 1475350.06 | 658.64 | 639.50 | 28.50 | 41.50 |
| 7-9A | 1041128.72 | 1475390.49 | 659.75 | 639.50 | 29.50 | 41.50 |
| 7-10A | 1041129.32 | 1475302.08 | 659.96 | 640.50 | 29.50 | 40.50 |
| 8-1A | 1040894.81 | 1475403.45 | 655.38 | 638.50 | 28.00 | 45.00 |
| 8-2A | 1040894.90 | 1475314.84 | 656.06 | 639.50 | 26.50 | 44.50 |
| 8-3A | 1040953.01 | 1475355.02 | 656.35 | 639.00 | 27.00 | 44.00 |
| 8-4A | 1040922.33 | 1475289.91 | 657.92 | 640.00 | 27.50 | 43.00 |
| 8-5A | 1041009.94 | 1475306.42 | 657.73 | 639.50 | 28.00 | 42.00 |
| 8-6A | 1041010.54 | 1475217.82 | 657.64 | 640.50 | 27.50 | 41.50 |
| 8-7A | 1041068.02 | 1475257.65 | 659.65 | 640.50 | 29.00 | 41.00 |
| 1995 AREA | | | | | | |
| 12-1A | 1041652.14 | 1475641.12 | 663.01 | 637.00 | 35.00 | 46.00 |
| 12-2A | 1041693.67 | 1475640.72 | 663.63 | 637.00 | 36.00 | 47.00 |
| 12-3A | 1041688.77 | 1475573.49 | 663.07 | 638.00 | 35.50 | 47.00 |
| 12-4A | 1041729.45 | 1475580.92 | 663.98 | 638.50 | 36.00 | 47.50 |
| 12-5A | 1041728.18 | 1475511.89 | 664.90 | 639.50 | 34.50 | 47.50 |
| 12-6A | 1041765.51 | 1475514.65 | 664.35 | 639.50 | 34.50 | 48.00 |
| 12-7A | 1041764.87 | 1475445.76 | 666.52 | 640.00 | 36.40 | 48.50 |
| 12-8A | 1041802.63 | 1475449.68 | 667.60 | 640.00 | 37.00 | 49.50 |
| 12-9A | 1041796.33 | 1475382.38 | 667.83 | 641.50 | 35.50 | 49.50 |
| 12-10A | 1041839.74 | 1475389.77 | 667.31 | 641.50 | 36.50 | 50.00 |

| SVE/MPE WELLS | | | | | |
|---|---|---|---|---|---|
| Well Name | Northing | Easting | Top of Casing Elevation (ft AMSL) | Hist. Low Water (ft AMSL) | Depth to Bottom of MPE screen (ft bgs) |
| NORTH OF ROUTE 26 | | | | | |
| 1-1M | 1476293.08 | 1041321.21 | 652.46 | 625.50 | 29.50 |
| 1-2M | 1476209.59 | 1041392.96 | 650.47 | 626.50 | 28.50 |
| 2-1M | 1476238.02 | 1041182.00 | 652.34 | 627.00 | 28.00 |
| 2-2M | 1476280.31 | 1041243.25 | 652.39 | 626.50 | 28.50 |
| 2-3M | 1476189.89 | 1041241.13 | 653.05 | 627.00 | 28.00 |
| 2-4M | 1473233.84 | 1041301.27 | 652.92 | 626.50 | 29.50 |
| 2-5M | 1476141.09 | 1041299.32 | 653.87 | 627.50 | 28.50 |
| 2-6M | 1476185.02 | 1041357.90 | 651.57 | 627.00 | 29.00 |
| 2-7M | 1476094.78 | 1041356.80 | 652.90 | 628.00 | 28.50 |
| 2-8M | 1473135.61 | 1041415.69 | 651.28 | 627.50 | 27.00 |
| 3805 AREA | | | | | |
| 3-1M | 1476096.55 | 1041058.62 | 651.96 | 628.50 | 26.50 |
| 3-2M | 1476047.43 | 1041116.78 | 652.54 | 629.00 | 26.50 |
| 3-3M | 1475999.67 | 1041174.21 | 653.49 | 630.00 | 26.50 |
| 3-4M | 1475951.06 | 1041232.11 | 654.29 | 631.00 | 26.00 |
| 3-5M | 1475903.03 | 1041289.21 | 654.56 | 632.00 | 26.00 |
| 4-1M | 1475962.31 | 1040996.13 | 651.76 | 631.00 | 24.00 |
| 4-2M | 1476004.50 | 1041056.58 | 652.06 | 630.00 | 25.00 |
| 4-3M | 1475913.67 | 1041053.70 | 652.91 | 632.00 | 24.10 |
| 4-4M | 1475956.30 | 1041113.20 | 652.96 | 631.00 | 25.00 |
| 4-5M | 1475865.14 | 1041111.59 | 653.79 | 633.00 | 24.10 |
| 4-6M | 1475907.66 | 1041170.84 | 653.68 | 632.00 | 25.00 |
| 4-7M | 1475816.93 | 1041169.01 | 654.63 | 634.00 | 23.35 |
| 4-8M | 1475860.11 | 1041228.26 | 654.69 | 633.00 | 24.50 |
| 4-9M | 1475768.60 | 1041226.61 | 655.35 | 634.50 | 24.00 |
| 4-10M | 1475811.38 | 1041285.88 | 655.53 | 634.00 | 24.50 |
| 4-11M | 1475720.34 | 1041283.97 | 565.27 | 634.50 | 25.00 |
| 5-1M | 1475830.39 | 1040933.21 | 653.01 | 634.00 | 22.10 |
| 5-2M | 1475872.29 | 1040993.29 | 653.03 | 633.00 | 22.90 |
| 5-3M | 1475781.33 | 1040991.33 | 653.85 | 634.50 | 22.50 |
| 5-4M | 1475824.18 | 1041050.79 | 653.93 | 634.00 | 23.00 |
| 5-5M | 1475733.25 | 1041049.02 | 655.18 | 634.50 | 23.25 |
| 5-6M | 1475776.08 | 1041107.87 | 656.10 | 634.50 | 23.70 |
| 5-7M | 1475684.70 | 1041107.21 | 655.50 | 635.00 | 23.50 |
| 5-8M | 1475726.36 | 1041166.89 | 655.66 | 634.50 | 24.00 |
| 5-9M | 1475636.79 | 1041163.87 | 656.01 | 636.00 | 23.50 |
| 5-10M | 1475679.17 | 1041224.05 | 656.61 | 635.00 | 24.50 |
| 5-11M | 1475587.04 | 1041221.33 | 657.63 | 636.50 | 24.00 |
| 6-1M | 1475699.00 | 1040872.78 | 653.44 | 635.00 | 21.50 |
| 6-2M | 1475740.84 | 1040933.46 | 653.65 | 634.50 | 21.50 |
| 6-3M | 1475650.61 | 1040930.14 | 654.27 | 635.50 | 21.50 |
| 6-4M | 1475692.99 | 1040990.39 | 654.64 | 635.00 | 22.00 |
| 6-5M | 1475602.10 | 1040988.13 | 655.33 | 636.50 | 22.00 |
| 6-6M | 1475644.65 | 1041046.54 | 655.94 | 636.00 | 22.50 |
| 6-7M | 1475553.90 | 1041045.40 | 656.54 | 637.00 | 23.00 |
| 6-8M | 1475597.02 | 1041104.60 | 656.44 | 636.50 | 23.00 |
| 6-9M | 1475505.76 | 1041103.35 | 657.71 | 638.00 | 22.50 |
| 6-10M | 1475548.11 | 1041162.69 | 657.60 | 637.50 | 23.00 |
| 6-11M | 1475458.52 | 1041159.80 | 658.42 | 639.00 | 22.50 |
| 6-12M | 1475498.86 | 1041219.63 | 658.49 | 638.00 | 23.50 |
| 7-1M | 1475608.20 | 1040872.50 | 654.41 | 637.00 | 20.00 |
| 7-2M | 1475517.37 | 1040868.66 | 654.72 | 637.50 | 20.00 |
| 7-3M | 1475560.69 | 1040928.53 | 654.97 | 637.00 | 21.00 |
| 7-4M | 1475471.32 | 1040925.88 | 655.79 | 638.00 | 20.50 |
| 7-5M | 1475505.80 | 1040987.27 | 656.26 | 638.00 | 21.00 |
| 7-6M | 1475421.54 | 1040984.09 | 656.26 | 638.50 | 20.50 |
| 7-7M | 1475460.73 | 1041046.75 | 656.94 | 638.50 | 21.50 |
| 7-8M | 1475372.95 | 1041041.76 | 657.32 | 639.50 | 20.50 |
| 7-9M | 1475416.09 | 1041101.95 | 657.97 | 639.50 | 22.00 |
| 7-10M | 1475324.84 | 1041099.45 | 659.20 | 640.00 | 22.00 |
| 7-11M | 1475367.22 | 1041158.96 | 660.48 | 640.00 | 23.00 |
| 7-12M | 1475276.53 | 1041157.39 | 660.77 | 640.50 | 23.00 |
| 8-1M | 1475428.38 | 1040867.62 | 654.86 | 638.50 | 19.50 |
| 8-2M | 1475337.95 | 1040864.98 | 655.33 | 639.00 | 19.50 |
| 8-3M | 1475379.88 | 1040924.80 | 655.55 | 639.00 | 19.50 |
| 8-4M | 1475266.02 | 1040952.94 | 656.56 | 639.50 | 20.00 |
| 8-5M | 1475332.36 | 1040982.42 | 656.32 | 639.50 | 20.05 |
| 8-6M | 1475241.84 | 1040979.97 | 658.69 | 640.00 | 21.00 |
| 8-7M | 1475283.79 | 1041039.90 | 659.02 | 640.00 | 22.00 |
| 8-8M | 1475237.63 | 1041094.45 | 659.46 | 641.00 | 22.00 |
| 9-1M | 1475249.32 | 1040866.26 | 656.72 | 640.00 | 20.00 |
| 9-2M | 1475170.52 | 1040849.79 | 655.60 | 641.00 | 18.00 |
| 9-3M | 1475201.52 | 1040923.57 | 658.00 | 641.00 | 19.00 |
| 1895 AREA | | | | | |
| 10-1S | 1475106.82 | 1040866.80 | 656.86 | 643.00 | 17.00 |
| 10-2S | 1475121.95 | 1040940.34 | 657.78 | 644.00 | 17.50 |
| 10-3S | 1475138.16 | 1041013.89 | 658.69 | 645.00 | 17.00 |
| 10-4S | 1475154.46 | 1041087.31 | 659.65 | 644.50 | 18.50 |
| 10-5S | 1475189.67 | 1041157.97 | 661.74 | 646.00 | 18.00 |
| 10-6S | 1475200.71 | 1041215.12 | 662.91 | 647.00 | 18.00 |
| 11-1S | 1475028.31 | 1040876.95 | 657.40 | 643.50 | 17.00 |
| 11-2S | 1475044.23 | 1040950.19 | 658.40 | 644.00 | 17.50 |
| 11-3S | 1475060.21 | 1041024.08 | 659.30 | 645.00 | 18.00 |
| 11-4S | 1475075.50 | 1041096.81 | 660.38 | 645.50 | 18.50 |
| 1995 AREA | | | | | |
| 12-1M | 1475713.32 | 1041631.17 | 661.90 | 635.50 | 29.00 |
| 12-2M | 1475669.03 | 1041619.00 | 661.87 | 636.50 | 28.00 |
| 12-3M | 1475673.66 | 1041686.75 | 663.03 | 636.50 | 28.50 |
| 12-4M | 1475602.67 | 1041654.97 | 662.17 | 637.50 | 28.00 |
| 12-5M | 1475620.60 | 1041725.70 | 663.37 | 637.50 | 28.50 |
| 12-6M | 1475539.29 | 1041694.92 | 663.72 | 639.00 | 27.00 |
| 12-7M | 1475553.98 | 1041762.27 | 664.24 | 639.00 | 28.00 |
| 12-8M | 1475470.73 | 1041730.88 | 664.81 | 639.50 | 28.00 |
| 12-9M | 1475490.40 | 1041800.75 | 665.19 | 639.50 | 28.50 |
| 12-10M | 1475406.22 | 1041767.48 | 666.41 | 640.50 | 29.00 |
| 12-11M | 1475424.73 | 1041837.26 | 667.26 | 640.50 | 30.00 |
| 13-1S | 1475289.23 | 1041686.03 | 666.21 | 642.00 | 27.00 |
| 13-2S | 1475303.78 | 1041760.03 | 667.62 | 642.50 | 28.00 |
| 13-3S | 1475320.26 | 1041832.73 | 667.41 | 643.00 | 28.00 |
| 13-4S | 1475335.23 | 1041905.83 | 668.78 | 644.00 | 28.00 |

FINAL AS-BUILT

US Army Corps of Engineers

U.S. ARMY ENGINEER DISTRICT, BALTIMORE
CORPS OF ENGINEERS
BALTIMORE, MARYLAND

SOURCE AREA REMEDIAL SYSTEM
GASOLINE ALLEY AREAS 3805 & 1995
FORT DRUM, NEW YORK

WELL DETAIL AND
WELL INSTALLATION SCHEDULE

EA ENGINEERING, P.C.

| DRAWING NUMBER | PLATE |
|---|---|
| N/A | C-7 |

SCALE: AS NOTED | DATE: SEPT. 2004 | SHEET 7

FILE: Syracuse_by/Syracuse/Working Projects\Fort Drum Projects\MARC\Design\drawings from loveton\final design drawings\C-7.dwg [Layout1]