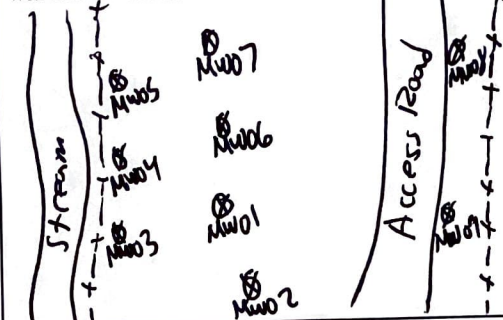


## Well Location Sketch:



## Compliance - Engineering - Remediation



LT Environmental, Inc.  
4600 W. 60th Avenue

## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

|                                       |                             |
|---------------------------------------|-----------------------------|
| Boring/Well Number: MW01              | Project: Camp 13-19A        |
| Date: 8-25-20 8-26-20                 | Project Number: 14219247    |
| Logged By: Ryan Jedrzejak             | Drilled By: Site Services   |
| Drilling Method: Geoprobe/Direct Push | Sampling Method: Continuous |

|                |                        |
|----------------|------------------------|
| Elevation: N/A | Detector: MinirAE 3000 |
|----------------|------------------------|

|                                 |                 |            |
|---------------------------------|-----------------|------------|
| Gravel Pack: Washed silica sand | Seal: Bentonite | Grout: N/A |
|---------------------------------|-----------------|------------|

|                  |              |              |                     |                    |
|------------------|--------------|--------------|---------------------|--------------------|
| Casing Type: PVC | Diameter: 1" | Length: 3.75 | Hole Diameter: 4-25 | Depth to Liquid: - |
|------------------|--------------|--------------|---------------------|--------------------|

|                  |            |              |             |                  |                     |
|------------------|------------|--------------|-------------|------------------|---------------------|
| Screen Type: PVC | Slot: 0.01 | Diameter: 1" | Length: 10' | Total Depth: 14' | Depth to Water: ~5' |
|------------------|------------|--------------|-------------|------------------|---------------------|

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Recovery | Soil/Rock Type | Lithology/Remarks | Well Completion Diagram |
|------------------------|------------------|-------------|----------|----------|------------------|------------|----------|----------------|-------------------|-------------------------|
|------------------------|------------------|-------------|----------|----------|------------------|------------|----------|----------------|-------------------|-------------------------|

|  |       |     |      |  |    |   |  |    |   |  |
|--|-------|-----|------|--|----|---|--|----|---|--|
|  |       |     |      |  | 0  |   |  |    | 0-6 Rtholed   |  |
|  | Moist | 0.3 | None |  | 2  | X |  | SC | 2' clayey Fg sands, trace med grains<br>Brown moist. No stain No odor   |  |
|  |       |     |      |  | 4  | X |  | CL | clay with <sup>little</sup> Fg - Coarse grain sands<br>trace small gravel. Brown. Moist low plasticity<br>No stain. No odor |  |
|  | wet   | 0.6 |      |  | 6  | X |  | SW | Fg - Coarse grain sands. trace small<br>gravel. tan, wet, well-graded. No stain<br>No odor                                  |  |
|  |       | 0.6 |      |  | 8  | X |  | SW | C' Collapsing sands, <sup>NO</sup> recovery   |  |
|  |       | 0.3 |      |  | 10 |   |  |    | 7-14 Fg - Coarse grain sands<br>trace small gravel - tan, wet,<br>well-graded, no stain, no odor                            |  |
|  |       | 0.0 |      |  | 12 |   |  |    | TD @ 14' Set w/ Flush valve<br>Cover  |  |
|  |       | 0.0 |      |  | 14 |   |  |    |   |  |
|  |       |     |      |  | 16 |   |  |    |   |  |
|  |       |     |      |  | 18 |   |  |    |   |  |

Well Location Sketch:

Refer to MW01

Compliance - Engineering - Remediation



LT Environmental, Inc.  
4600 W. 60th Avenue

## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

|                             |                              |
|-----------------------------|------------------------------|
| Boring/Well Number:<br>MW02 | Project:<br>Camp 13-19A      |
| Date:<br>8-25-20 8-26-20    | Project Number:<br>14219247  |
| Logged By:<br>Ryan Jelezjak | Drilled By:<br>Site Services |

|                   |                           |  |                                |
|-------------------|---------------------------|--|--------------------------------|
| Elevation:<br>N/A | Detector:<br>MinirAE 3000 | Drilling Method:<br>Geoprobe/Direct Push | Sampling Method:<br>Continuous |
|-------------------|---------------------------|--|--------------------------------|

|                                    |                    |               |
|------------------------------------|--------------------|---------------|
| Gravel Pack:<br>Washed silica sand | Seal:<br>Bentonite | Grout:<br>N/A |
|------------------------------------|--------------------|---------------|

|                     |                 |                 |                        |                       |
|---------------------|-----------------|-----------------|------------------------|-----------------------|
| Casing Type:<br>PVC | Diameter:<br>1" | Length:<br>3.75 | Hole Diameter:<br>4.25 | Depth to Liquid:<br>- |
|---------------------|-----------------|-----------------|------------------------|-----------------------|

|                     |               |                 |               |                    |                        |
|---------------------|---------------|-----------------|---------------|--------------------|------------------------|
| Screen Type:<br>PVC | Slot:<br>0.01 | Diameter:<br>1" | Length:<br>10 | Total Depth:<br>14 | Depth to Water:<br>~5' |
|---------------------|---------------|-----------------|---------------|--------------------|------------------------|

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Recovery | Soil/Rock Type | Lithology/Remarks   | Well Completion Diagram |
|------------------------|------------------|-------------|----------|----------|------------------|------------|----------|----------------|---|-------------------------|
|                        |                  |             |          |          | 0                |            |          |                | 0-6' potholed   |                         |
|                        | Moist            | 0.4         | None     |          | 2                |            | X        | SW             | 2' VF <sub>3</sub> - coarse grain sands, trace small gravels, trace clay. Brown moist. well-sorted. no stain no odor trace large alluvial sands |                         |
|                        |                  | 0.1         |          |          | 4                |            | X        | SW             | 4' - F <sub>3</sub> - very coarse grain sands, trace small - large gravels. Few clay. Brown moist. well-sorted. no stain no odor                |                         |
|                        | Wet              | 0.0         |          |          | 6                |            | X        | ML             | 5' Silt with trace F <sub>3</sub> sands, grey. non plastic non cohesive. no stain no odor   |                         |
|                        |                  | 0.1         |          |          | 6                |            |          |                | 6-7.5' same as above. no stain no odor  |                         |
|                        |                  |             |          |          | 8                |            |          | SW             |   |                         |
|                        |                  |             |          |          | 10               |            |          |                | 7.5-14' F <sub>3</sub> - coarse grain sands trace small gravels, tan, wet well-sorted. no stain, no odor  |                         |
|                        |                  | 0.0         |          |          | 12               |            |          |                |   |                         |
|                        |                  | 0.0         |          |          | 14               |            |          |                | TD @ 14' Set w/ Flush mount cover   |                         |
|                        |                  |             |          |          | 16               |            |          |                |   |                         |
|                        |                  |             |          |          | 18               |            |          |                |   |                         |



Well Location Sketch:

Compliance - Engineering - Remediation



LT Environmental, Inc.

4600 W. 60th Avenue

Refer to MW01

## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number:

MW03

Project:

Camp 13-19A

Date:

8-25-20 8-26-20

Project Number:

14219247

Logged By:

Ryan J. Jozek

Drilled By:

Site Services

Drilling Method:

Geoprobe/Direct Push

Sampling Method:

Continuous

Elevation:

N/A

Detector:

MinirAE 3000

Gravel Pack:

Washed silica sand

Seal:

Bentonite

Grout:

N/A

Casing Type:

PVC

Diameter:

1"

Length:

3.75

Hole Diameter:

4.25

Depth to Liquid:

-

Screen Type:

PVC

Slot:

0.01

Diameter:

1"

Length:

10

Total Depth:

14

Depth to Water:

~ 5'

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Recovery | Soil/Rock Type | Lithology/Remarks   | Well Completion Diagram |
|------------------------|------------------|-------------|----------|----------|------------------|------------|----------|----------------|---|-------------------------|
|                        |                  |             |          |          | 0                |            |          |                | 0-6' Pot Holed  |                         |
|                        | Moist            | 0.4         | None     |          | 2                |            | X        | SC             | Clayey vFg-Fg Sands. Brown. Moist. No stain, NO odor  |                         |
|                        | wet              | 0.2         |          |          | 4                |            | X        | SN             | Fg - very coarse sands, trace clay. little - some small - large gravels. Brown. wet. NO stain, NO odor, well-sorted |                         |
|                        |                  | 0.2         |          |          | 6                |            | X        | ML             | Silt. clay w/ trace vFg sands. Grey. wet. NO plasticity. NO stain NO odor, NON                                      |                         |
|                        |                  | 0.0         |          |          | 8                |            |          | SW             | 6-7' silt w/ trace vFg sands. Black wet. Non plastic. NO stain NO odor  |                         |
|                        |                  | 0.0         |          |          | 10               |            |          | psd            | 7-14' Fg sands - coarse sands trace small gravels. tan. wet well-sorted. NO stain, NO odor                          |                         |
|                        |                  | 0.0         |          |          | 12               |            |          |                | TD @ 14' Set w/ Flush mount casing  |                         |
|                        |                  |             |          |          | 14               |            |          |                |   |                         |
|                        |                  |             |          |          | 16               |            |          |                |   |                         |
|                        |                  |             |          |          | 18               |            |          |                |   |                         |

Well Location Sketch:

Refer to  
MWO1

## Compliance - Engineering - Remediation



LT Environmental, Inc.  
4600 W. 60th Avenue

## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

|                                       |                             |
|---------------------------------------|-----------------------------|
| Boring/Well Number: MWO4              | Project: Camp 13-19A        |
| Date: 8-25-20 8-26-20                 | Project Number: 14219247    |
| Logged By: Ryan Jedrzek               | Drilled By: Site Services   |
| Drilling Method: Geoprobe/Direct Push | Sampling Method: Continuous |
| Seal: Bentonite                       | Grout: N/A                  |
| Diameter: 1" Length: 3.75             | Hole Diameter: 4.25         |
| Diameter: 1" Length: 10               | Total Depth: 14             |
|                                       | Depth to Liquid: -          |
|                                       | Depth to Water: ~5'         |

Elevation: N/A Detector: MinirAE 3000

Gravel Pack: Washed silica sand

Casing Type: PVC

Screen Type: PVC Slot: 0.01

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Recovery | Soil/Rock Type | Lithology/Remarks  | Well Completion Diagram |
|------------------------|------------------|-------------|----------|----------|------------------|------------|----------|----------------|--|-------------------------|
|                        |                  |             |          |          | 0                |            |          |                | 0-6 pot holed  |                         |
|                        | Moist 0.1        |             | None     |          | 2                |            | X        | SP             | 2' vFg - Fg sands, trace clay, Brown moist. Poorly graded, trace organics (roots) NO stain NO odor                       |                         |
|                        | 0.0              |             |          |          | 4                |            | X        | SP             | 3' vFg - Fg sands, trace clay, Brown-Grey moist. Poorly graded, trace med grains, trace small gravels, NO stain, NO odor |                         |
|                        | Wet 0.1          |             |          |          | 6                |            | X        | SM             | 6' vFg - Fg sands with silt, trace med grains, Grey, wet. NO stain NO odor Non cohesive                                  |                         |
|                        | 0.0              |             |          |          | 8                |            |          | SW             |  |                         |
|                        |                  |             |          |          | 10               |            |          |                | 7.5-14' Fg - coarse grain sands trace small gravels, tan, well well-graded, NO stain NO odor                             |                         |
|                        |                  |             |          |          | 12               |            |          |                | TD @ 14' Set w/ Flush  |                         |
|                        |                  |             |          |          | 14               |            |          |                | moist cover  |                         |
|                        |                  |             |          |          | 16               |            |          |                |  |                         |
|                        |                  |             |          |          | 18               |            |          |                |  |                         |



Well Location Sketch:

Refer to MW01

Compliance - Engineering - Remediation



LT Environmental, Inc.  
4600 W. 60th Avenue

## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW05 Project: Camp 13-19A  
Date: 8-25-20 Project Number: 14219247  
Logged By: Ryan Jedrzczak Drilled By: Site Services

Elevation: N/A Detector: MinirRAE 3000 Drilling Method: Geoprobe/Direct Push Sampling Method: Continuous

Gravel Pack: Washed silica sand Seal: Bentonite Grout: N/A

Casing Type: PVC Diameter: 1" Length: 37.5 Hole Diameter: 4.25 Depth to Liquid: -

Screen Type: PVC Slot: 0.01 Diameter: 1" Length: 10 Total Depth: 14' Depth to Water: ~5'

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Recovery | Soil/Rock Type | Lithology/Remarks   | Well Completion Diagram |
|------------------------|------------------|-------------|----------|----------|------------------|------------|----------|----------------|---|-------------------------|
|                        |                  |             |          |          | 0                |            |          |                | 0-6 Pot holed   |                         |
|                        | Moist            | 0.0         | None     |          | 2                | X          |          | SP             | 2' VFg-Fg sands, trace clay, Brown Moist, Poorly graded, trace organics (roots) No stain, no odor     |                         |
|                        |                  | 0.1         |          |          | 4                | X          |          | SW             | 3' VFg-very coarse grains sands, trace small gravel, Brown, Moist, well-graded No stain, no odor.     |                         |
|                        | Wet              | 0.3         |          |          | 6                | X          |          | ML             | 5' silt clay w/ trace VFg sands, Grey, wet, Moist plasticity trace organics (roots). No stain No odor |                         |
|                        |                  | 0.0         |          |          | 8                |            |          | SW             | 6-15' Fg-coarse grain sands tan, wet, well graded. No stain No odor                                   |                         |
|                        |                  | 0.0         |          |          | 10               |            |          |                | Collapsing sands, push point to 14'. set w/ Flush mount (order)                                       |                         |
|                        |                  | 0.0         |          |          | 12               |            |          |                |   |                         |
|                        |                  |             |          |          | 14               |            |          |                |   |                         |
|                        |                  |             |          |          | 16               |            |          |                |   |                         |
|                        |                  |             |          |          | 18               |            |          |                |   |                         |

Well Location Sketch:

Compliance · Engineering · Remediation



LT Environmental, Inc.  
4600 W. 60th Avenue

Refer to  
MW01

## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

|                     |                  |                 |               |
|---------------------|------------------|-----------------|---------------|
| Boring/Well Number: | MW06             | Project:        | Camp 13-19A   |
| Date:               | 8-25-20 8:26:20  | Project Number: | 14219247      |
| Logged By:          | Ryan J. Jedrejka | Drilled By:     | Site Services |

|            |     |           |              |                  |                      |                  |            |
|------------|-----|-----------|--------------|------------------|----------------------|------------------|------------|
| Elevation: | N/A | Detector: | MinirAE 3000 | Drilling Method: | Geoprobe/Direct Push | Sampling Method: | Continuous |
|------------|-----|-----------|--------------|------------------|----------------------|------------------|------------|

|              |                    |       |           |        |     |
|--------------|--------------------|-------|-----------|--------|-----|
| Gravel Pack: | Washed silica sand | Seal: | Bentonite | Grout: | N/A |
|--------------|--------------------|-------|-----------|--------|-----|

|              |     |           |    |         |      |                |      |                  |   |
|--------------|-----|-----------|----|---------|------|----------------|------|------------------|---|
| Casing Type: | PVC | Diameter: | 1" | Length: | 3.75 | Hole Diameter: | 4.25 | Depth to Liquid: | - |
|--------------|-----|-----------|----|---------|------|----------------|------|------------------|---|

|              |     |       |      |           |    |         |    |              |    |                 |    |
|--------------|-----|-------|------|-----------|----|---------|----|--------------|----|-----------------|----|
| Screen Type: | PVC | Slot: | 0.01 | Diameter: | 1" | Length: | 10 | Total Depth: | 14 | Depth to Water: | 25 |
|--------------|-----|-------|------|-----------|----|---------|----|--------------|----|-----------------|----|

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Recovery | Soil/Rock Type | Lithology/Remarks   | Well Completion Diagram |
|------------------------|------------------|-------------|----------|----------|------------------|------------|----------|----------------|---|-------------------------|
|                        |                  |             |          |          | 0                |            |          |                | 0-6 patholed  |                         |
|                        | Moist            | 0.2         | None     |          | 2                |            | X        | CI             | 2' clay with little Fg sands. Brown moist. Low plasticity. No fissure No stain No odor        |                         |
|                        |                  | 0.0         |          |          | 4                |            | X        | CI             | 4' same as above. No stain No odor  |                         |
|                        | Wet              | 0.0         |          |          |                  |            | X        | SW             | Fg - coarse grain sand trace clay Brown, wet. Well-graded. No stain. No odor                  |                         |
|                        | to 3'            | 163.7       |          |          | 6                |            |          | SW/SM          | 6' Fg - coarse grain sand with silt Black, wet, well-graded. Noncohesive No stain slight odor |                         |
|                        |                  | 3.0         |          |          | 8                |            |          | SW             |   |                         |
|                        |                  | 0.0         |          |          | 10               |            |          |                | 7-20' Fg - coarse sands. tan. wet, well-graded. trace small gravel No stain No odor           |                         |
|                        |                  | 0.1         |          |          | 12               |            |          |                | TD @ 14' Set w/ Flush mount case  |                         |
|                        |                  | 0.0         |          |          | 14               |            |          |                | Hole collapsed 6', push point to 14'  |                         |
|                        |                  | 0.5         |          |          | 16               |            |          |                |   |                         |
|                        |                  | 0.0         |          |          | 18               |            |          |                |   |                         |
|                        |                  | 0.0         |          |          |                  |            |          |                |   |                         |



Well Location Sketch:

Refer to  
MW01

Compliance - Engineering - Remediation


**LT Environmental, Inc.**  
 4600 W. 60th Avenue

## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

|                     |                  |                 |               |
|---------------------|------------------|-----------------|---------------|
| Boring/Well Number: | MW07             | Project:        | Camp 13-19A   |
| Date:               | 8-15-20          | Project Number: | 14219247      |
| Logged By:          | Ryan Sedziewicki | Drilled By:     | Site Services |

|            |     |           |              |                  |                      |                  |            |
|------------|-----|-----------|--------------|------------------|----------------------|------------------|------------|
| Elevation: | N/A | Detector: | MinirAE 3000 | Drilling Method: | Geoprobe/Direct Push | Sampling Method: | Continuous |
|------------|-----|-----------|--------------|------------------|----------------------|------------------|------------|

|              |                    |       |           |        |     |
|--------------|--------------------|-------|-----------|--------|-----|
| Gravel Pack: | Washed silica sand | Seal: | Bentonite | Grout: | N/A |
|--------------|--------------------|-------|-----------|--------|-----|

|              |     |           |    |         |      |                |      |                  |   |
|--------------|-----|-----------|----|---------|------|----------------|------|------------------|---|
| Casing Type: | PVC | Diameter: | 1" | Length: | 2.75 | Hole Diameter: | 4.25 | Depth to Liquid: | - |
|--------------|-----|-----------|----|---------|------|----------------|------|------------------|---|

|              |     |       |      |           |    |         |    |              |     |                 |      |
|--------------|-----|-------|------|-----------|----|---------|----|--------------|-----|-----------------|------|
| Screen Type: | PVC | Slot: | 0.01 | Diameter: | 1" | Length: | 10 | Total Depth: | 13' | Depth to Water: | ~ 5' |
|--------------|-----|-------|------|-----------|----|---------|----|--------------|-----|-----------------|------|

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Recovery | Soil/Rock Type | Lithology/Remarks   | Well Completion Diagram |
|------------------------|------------------|-------------|----------|----------|------------------|------------|----------|----------------|---|-------------------------|
|                        |                  |             |          |          | 0                |            |          |                | O-G Potholed  |                         |
|                        | Moist            | 0.0         | none     |          | 2                |            | X        | SW             | 2' Fg Sands - Med grain sands w/ Few small - large gravels (Road base) trace clay. Brown moist. No stain no odor      |                         |
|                        |                  | 0.0         |          |          |                  |            | X        | I              | 3' Fg - coarse grains w/ few small - large gravels (Road base) trace clay. Brown moist. well graded. No stain no odor |                         |
|                        |                  |             |          |          | 4                |            |          |                | 5' silt w/ some vfg sands. Grey. moist, med plasticity. No stain no odor non cohesive.                                |                         |
|                        | wet              | 0.0         |          |          | 6                |            | X        | ML             | 6-9 silt w/ trace vfg sands non plastic, non cohesive. Grey. wet No stain no odor                                     |                         |
|                        |                  | 0.2         |          |          | 8                |            |          |                |   |                         |
|                        |                  |             |          |          | 10               |            |          | SW             | 9-13. Fg - Coarse grain sands tan, wet. well-graded. No stain no odor.  |                         |
|                        |                  |             |          |          | 12               |            |          |                | collapsing sands, Push point to 13'   |                         |
|                        |                  | 0.4         |          |          | 14               |            |          |                | TD @ 13' Set w/ Flush mount cover.  |                         |
|                        |                  |             |          |          | 16               |            |          |                |   |                         |
|                        |                  |             |          |          | 18               |            |          |                |   |                         |

Well Location Sketch:

Refer to  
mw01

Compliance - Engineering - Remediation


**LT Environmental, Inc.**  
 4600 W. 60th Avenue
**BORING LOG/MONITORING WELL COMPLETION DIAGRAM**
 Boring/Well Number: **mw04** Project: **Camp 13-19A**

 Date: **8-25-20 8-26-20** Project Number: **14219247**

 Logged By: **Ryan Jedrejak** Drilled By: **Site Services**

 Drilling Method: **Geoprobe/Direct Push** Sampling Method: **Continuous**

 Seal: **Bentonite** Grout: **N/A**

 Diameter: **1"** Length: **3.75'** Hole Diameter: **4-25** Depth to Liquid: **-**

 Diameter: **1"** Length: **10** Total Depth: **14** Depth to Water: **~5'**

 Elevation: **N/A** Detector: **MinirAE 3000**

 Gravel Pack: **Washed silica sand**

 Casing Type: **PVC**

 Screen Type: **PVC** Slot: **0.01**

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Recovery | Soil/Rock Type | Lithology/Remarks   | Well Completion Diagram |
|------------------------|------------------|-------------|----------|----------|------------------|------------|----------|----------------|---|-------------------------|
|                        |                  |             |          |          | 0                |            |          |                | 0-4' <i>pathologed</i>  |                         |
|                        | moist 0.5        |             | none     |          | 2                |            |          | ML             | 2' silt w/ VFg sands, Black moist. Non cohesive non plastic, no stones, no odor       |                         |
|                        |                  | 0.2         |          |          | 4                |            |          | SM             | 4' Fg - coarse grain sands, trace-few silt. Brown. Moist. no stones, no odor          |                         |
|                        | wet 0.1          |             |          |          |                  |            |          | ML             | 5' silt w/ VFg sands, Black, wet. no cohesion, non plastic, no stones, no odor        |                         |
|                        |                  | 0.2         |          |          | 6                |            |          | SW             | 6-14' Fg - coarse sands, trace small gravel, tan, wet well-graded, no stones, no odor |                         |
|                        |                  | 0.0         |          |          | 10               |            |          |                | TOE 14' set w/ Flash mount core   |                         |
|                        |                  | 0.0         |          |          | 12               |            |          |                |   |                         |
|                        |                  |             |          |          | 14               |            |          |                |   |                         |
|                        |                  |             |          |          | 16               |            |          |                |   |                         |
|                        |                  |             |          |          | 18               |            |          |                |   |                         |



Well Location Sketch:

Compliance - Engineering - Remediation



LT Environmental, Inc.  
4600 W. 60th Avenue

Refer to  
MW01

## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW09 Project: Camp 13-19A  
Date: 8-25-20 8-26-20 Project Number: 14219247  
Logged By: Ryan Jedzejak Drilled By: Site Services

Elevation: N/A Detector: MinirAE 3000 Drilling Method: Geoprobe/Direct Push Sampling Method: Continuous  
Gravel Pack: Washed silica sand Seal: Bentonite Grout: N/A

Casing Type: PVC Diameter: 1" Length: 3.75' Hole Diameter: 4.25' Depth to Liquid: -  
Screen Type: PVC Slot: 0.01 Diameter: 1" Length: 16' Total Depth: 14' Depth to Water: ~5'

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Recovery | Soil/Rock Type | Lithology/Remarks   | Well Completion Diagram |
|------------------------|------------------|-------------|----------|----------|------------------|------------|----------|----------------|---|-------------------------|
|                        |                  |             |          |          | 0                |            |          |                | 0-6 pitholed  |                         |
|                        | Moist            | 0.1         | none     |          | 2                | X          |          | SW             | 2' Fg - very coarse grain sands<br>Few small gravels. Brown moist.<br>No stain no odor. well-graded |                         |
|                        |                  | 0.0         |          |          | 4                | X          |          | SP             | 4' VFg-Fg sands. Few med-coarse sands<br>Brown. moist poorly graded. NO stain, no odor              |                         |
|                        | Wet              | 0.1         |          |          | 5                | X          |          | ML             | 5' Silt w/ VFg sands. Black. wet<br>cohesive. Non-plastic. No stain no odor                         |                         |
|                        |                  | 0.0         |          |          | 6                |            |          |                | 6-7' Silt w/ VFg sands, trace coarse<br>Black, wet, cohesive, non-plastic<br>NO stain, no odor      |                         |
|                        |                  |             |          |          | 8                |            |          | SW             |   |                         |
|                        |                  | 0.0         |          |          | 10               |            |          |                | 7-14' Fg - coarse sand, trace<br>small gravels. tan. wet. well-graded<br>No stain, no odor          |                         |
|                        |                  | 0.0         |          |          | 12               |            |          |                | TD @ 14' Set w/ Flush<br>moist cover  |                         |
|                        |                  |             |          |          | 14               |            |          |                |   |                         |
|                        |                  |             |          |          | 16               |            |          |                |   |                         |
|                        |                  |             |          |          | 18               |            |          |                |   |                         |