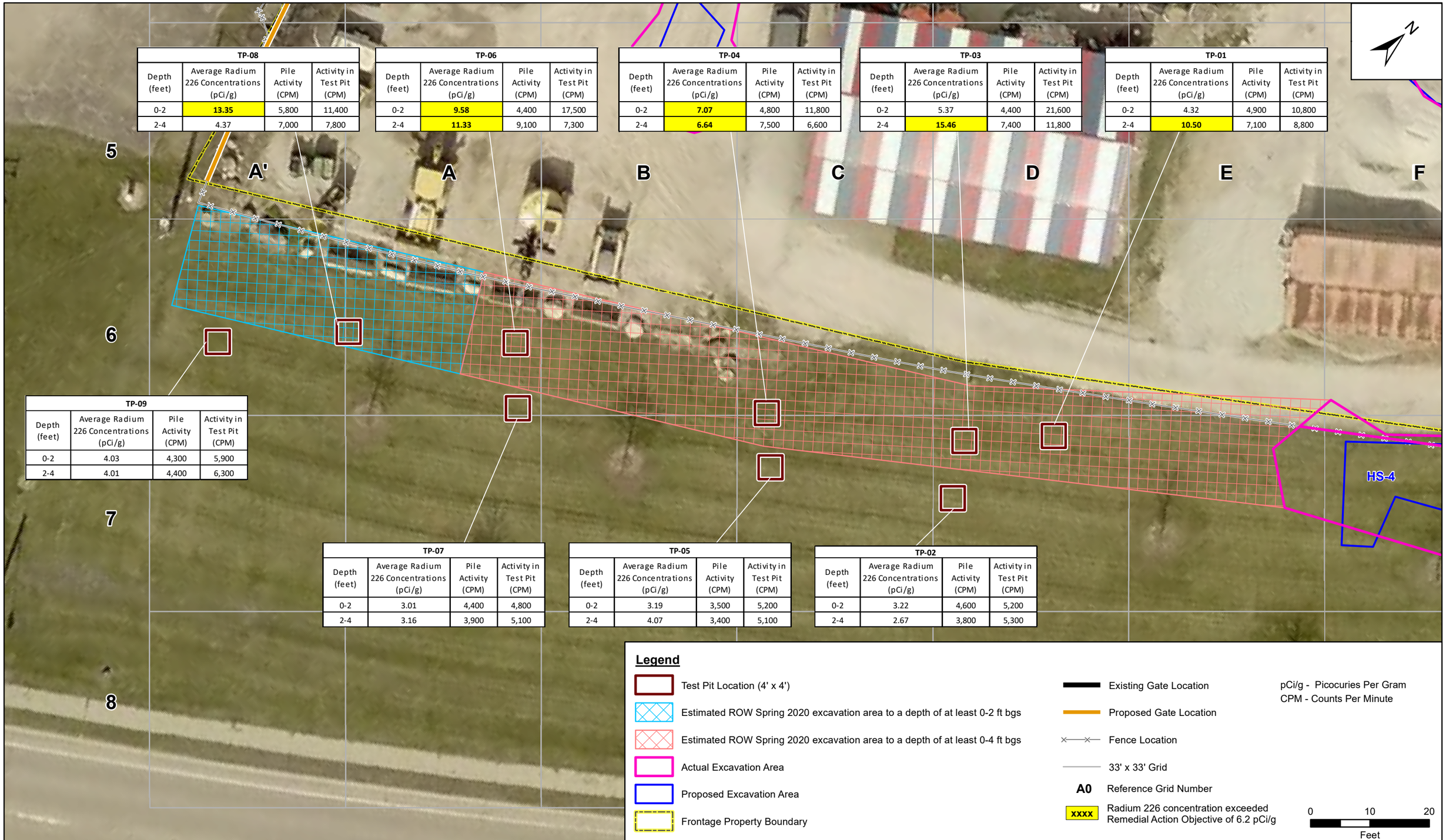


| TP-08 | | | |
|---|---|---|---|
| Depth (feet) | Average Radium 226 Concentrations (pCi/g) | Pile Activity (CPM) | Activity in Test Pit (CPM) |
| 0-2 | **13.35** | 5,800 | 11,400 |
| 2-4 | 4.37 | 7,000 | 7,800 |

| TP-06 | | | |
|---|---|---|---|
| Depth (feet) | Average Radium 226 Concentrations (pCi/g) | Pile Activity (CPM) | Activity in Test Pit (CPM) |
| 0-2 | **9.58** | 4,400 | 17,500 |
| 2-4 | **11.33** | 9,100 | 7,300 |

| TP-04 | | | |
|---|---|---|---|
| Depth (feet) | Average Radium 226 Concentrations (pCi/g) | Pile Activity (CPM) | Activity in Test Pit (CPM) |
| 0-2 | **7.07** | 4,800 | 11,800 |
| 2-4 | **6.64** | 7,500 | 6,600 |

| TP-03 | | | |
|---|---|---|---|
| Depth (feet) | Average Radium 226 Concentrations (pCi/g) | Pile Activity (CPM) | Activity in Test Pit (CPM) |
| 0-2 | 5.37 | 4,400 | 21,600 |
| 2-4 | **15.46** | 7,400 | 11,800 |

| TP-01 | | | |
|---|---|---|---|
| Depth (feet) | Average Radium 226 Concentrations (pCi/g) | Pile Activity (CPM) | Activity in Test Pit (CPM) |
| 0-2 | 4.32 | 4,900 | 10,800 |
| 2-4 | **10.50** | 7,100 | 8,800 |

| TP-09 | | | |
|---|---|---|---|
| Depth (feet) | Average Radium 226 Concentrations (pCi/g) | Pile Activity (CPM) | Activity in Test Pit (CPM) |
| 0-2 | 4.03 | 4,300 | 5,900 |
| 2-4 | 4.01 | 4,400 | 6,300 |

| TP-07 | | | |
|---|---|---|---|
| Depth (feet) | Average Radium 226 Concentrations (pCi/g) | Pile Activity (CPM) | Activity in Test Pit (CPM) |
| 0-2 | 3.01 | 4,400 | 4,800 |
| 2-4 | 3.16 | 3,900 | 5,100 |

| TP-05 | | | |
|---|---|---|---|
| Depth (feet) | Average Radium 226 Concentrations (pCi/g) | Pile Activity (CPM) | Activity in Test Pit (CPM) |
| 0-2 | 3.19 | 3,500 | 5,200 |
| 2-4 | 4.07 | 3,400 | 5,100 |

| TP-02 | | | |
|---|---|---|---|
| Depth (feet) | Average Radium 226 Concentrations (pCi/g) | Pile Activity (CPM) | Activity in Test Pit (CPM) |
| 0-2 | 3.22 | 4,600 | 5,200 |
| 2-4 | 2.67 | 3,800 | 5,300 |

**Legend**

- Test Pit Location (4' x 4')
- Estimated ROW Spring 2020 excavation area to a depth of at least 0-2 ft bgs
- Estimated ROW Spring 2020 excavation area to a depth of at least 0-4 ft bgs
- Actual Excavation Area
- Proposed Excavation Area
- Frontage Property Boundary
- Existing Gate Location
- Proposed Gate Location
- Fence Location
- 33' x 33' Grid
- A0 Reference Grid Number
- XXXX Radium 226 concentration exceeded Remedial Action Objective of 6.2 pCi/g

pCi/g - Picocuries Per Gram
CPM - Counts Per Minute

0 10 20
Feet

Source: Bing Map-GIS online map server

| | |
|---|---|
| DESIGNED: | K. SCHNOES |
| DRAWN: | M.BANH |
| PROJECT NO. | 103G18521334 |
| DATE: | JANUARY 2020 |

SulTRAC

NPL-8 FRONTAGE PROPERTY SITE
OTTAWA, ILLINOIS
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5

SCALES:
HORIZONTAL SCALE: AS SHOWN
VERTICAL SCALE: N/A

**FIGURE 1**
**TEST PIT FIELD GAMMA SPECTROSCOPY AND GAMMA SURVEY RESULTS**

1/20/2020 G:\G\1852\197 Ottawa Radiation - RA\mxd\2019-11 NPL8\TestPitSamples.mxd m.banh