

June 25, 2025

Ms. Megan Kuczka
Environmental Program Specialist 1
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
700 Delaware Avenue
Buffalo, New York 14209

Re: **Excavation Notification for Spoils Pile Re-Use & Berm Design (Revised)**
Tesla Gigafactory New York (GFNY) Site (V00619)
Buffalo, NY 14220

Dear Ms. Kuczka:

Per your emailed request on April 28, 2025 and our emailed responses to Department comments dated June 2 and 25, 2025, TRC Environmental Corporation (TRC) has prepared this *Excavation Notification for Spoils Pile Re-Use & Berm Design* on behalf of Tesla, Inc. (Tesla) at the Tesla Gigafactory New York (GFNY) Site, Buffalo, New York (see **Figures 1 and 2**). The Tesla Site, also known as the RiverBend (Steelfields) Area I Site, is a New York State Department of Environmental Conservation (NYSDEC) Voluntary Cleanup Program (VCP) Site (No. V00619). Specifically, the purpose of this letter is to provide Department notification for the re-use of the Spoils Pile at the Tesla Site to construct a visual marker, or earthen berm, along the Fiber Optic (South) alignment (approximately $\pm 1,985$ linear feet, LF) (see **Figure 2**). Tesla is also seeking NYSDEC and New York State Department of Health (NYSDOH) review and approval of our earthen berm design prepared by a TRC NYS-licensed Professional Engineer.

SUMMARY OF AREA I (TESLA SITE) ENVIRONMENTAL CONDITIONS

Based on previous analytical data collected as part of a comprehensive Site Assessment and completed remedial actions for the Tesla (Area I) Site, Constituents of Concern include: volatile organic compounds (VOCs) present in soil/fill/slag at elevated concentrations are limited to benzene, ethylbenzene, toluene, and xylenes (BTEX); semi-volatile organic compounds (SVOCs) present in soil/fill/slag are exclusively limited to polycyclic aromatic hydrocarbons (PAHs); and heavy metals present in soil/fill/slag are limited to arsenic, chromium, and lead with mercury detected in isolated instances. Similar impacts were also identified in Tesla (Area I) Site groundwater. The native sand and clay soils present below the Tesla (Area I) Site soil/fill/slag material were determined to not contain these analytes.

In 2015, low-level radiological activity was identified at the Site which was defined as technologically enhanced naturally occurring radiological material (TENORM). In general, TENORM is material containing radionuclides that are present naturally in rocks, soils, water, and minerals and that have become concentrated and/or exposed to the accessible environment due to human activities such as manufacturing, water treatment, or mining operations. The slag material at the Site is the likely source of the TENORM; a byproduct of the former iron and steel manufacturing operations which processed and co-processed NORM-containing ores and mined materials. The primary TENORM isotope identified at the Site is Radium-226. Radium (chemical symbol Ra) is a naturally occurring radioactive metal with the most common isotopes being Ra-226, Ra-224, and Ra-228. Radium-226, Ra-228 and their respective progeny, emit alpha and beta particles as well as gamma rays when undergoing radioactive decay. At the Tesla Site, concentrations of radium are below 30 picocuries per gram (pCi/g) and as such, standard industrial hygiene controls will limit radiation doses to virtually zero during field projects that may occur below the site demarcation layer (i.e., intrusive activities).

SPOILS STOCKPILE MATERIAL

The following twelve (12) intrusive projects were performed at the Site from September 2023 to March 2025, each of which penetrated the final cover system (and demarcation layer) generating various quantities of soil spoils that were stockpiled at the Tesla Site:

- *Bus Shelter & Conduit Construction (September to December 2023)*
- *East Gate Swale Construction (November 2023)*
- *East Parking Lot Expansion Construction (September 2023 to May 2024)*
- *Fiber Optic Cable (North) Installation (October to December 2023)*
- *Perimeter Fence Installation (October to December 2023)*
- *Fiber Optic Cable (South) Installation (January to February 2024)*
- *Lot 2, Gate 1 Sidewalk Installation (June 2024)*
- *Perimeter Fence Installation (Phase 2) (August 2024)*
- *Fiber Optic Cable (South Park) Installation (September 2024)*
- *East Gate Concrete Swale (October 2024)*
- *Digital Display Board Installation (November 2024)*
- *Perimeter Fence Repairs (March 2025)*

During each project, soil/fill/slag spoils excavated from beneath the existing cover system and demarcation layer were field screened using a handheld MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp for volatile organic compounds (VOCs) and a Ludlum 2241-2 RK Ratemeter/Scaler equipped with a Detector 2 (44-2 gamma scintillator probe) for gamma radiation along with visual/olfactory observations. Once field screening results were deemed to comply with the SMP and Excavation Work Notifications for each project, subsurface soil/fill/slag spoils were transported to and temporarily staged on and covered with polyethylene plastic tarps on the western portion of the Tesla Site at a location hereafter referred to as the "Spoils Stockpile" (see **Figure 2**).

During installation of the Fiber Optic Cable (South), seven pits approximately 4-feet wide by 4-feet long by 4-feet deep were excavated along the intended cable route (or alignment) to facilitate directional boring equipment operation and installation of the fiber optic conduit. Drilling mud comprised of potable water and bentonite was used to advance the directional boring equipment at each pit. Like the other projects, excavated subsurface soil/fill/slag spoil material from beneath the existing final cover and demarcation layer was transported to the on-site Spoils Stockpile. In addition, the excess drilling mud was removed from the excavated pits via vacuum truck (and/or excavator/loader) and placed in two water-tight and lined roll-off containers. The approximate location of the roll-off containers is shown in **Figure 2**.

Based on TRC's calculations, the Spoils Stockpile contains approximately $\pm 1,750$ cubic yards (CYs) of material, and the drilling mud volume is approximately ± 60 CYs. On July 9, 2024 and again on October 1, 2024, TRC collected representative samples of the Spoils Stockpile and drilling mud material for waste characterization, Part 375, and radiological laboratory screening and analysis. Results were submitted to the NYSDEC in TRC's November 4, 2024 *Waste Characterization & Radiological Screening Summary Letter Report*. In a November 18, 2024 approval letter, NYSDEC concluded that the submitted analytical data representative of the Spoils Stockpile and drilling mud material did not indicate that the material was technologically enhanced naturally occurring radioactive material (TENORM) and could be re-used at the Site. As such, the Department approved the use of the Spoils Stockpile and Drilling mud material to construct an earthen berm along the Fiber Optic Cable (South) alignment to act as a visual marker for this utility.

Three intrusive projects were performed after the October 1, 2024 characterization of the Spoils Stockpile, including the East Gate Concrete Swale, Digital Display Board, and Perimeter Fence Repair projects. TRC estimates approximately 9 CYs of additional spoils were generated between the three projects. The composition and field screening results of these additional spoils were not markedly different than those already placed in the Spoils Stockpile from the other intrusive projects.

As reported in the May 2024 Periodic Review Report (PRR, revised August 2024) (May 1, 2023 to May 1, 2024 certifying period) prepared by Roux Environmental Engineering and Geology, D.P.C (Roux) on behalf of the

property owner Fort Schuyler Management Company (FSMC), a soil/fill pile (approximately ± 12 CYs) was generated in the southwest corner of RiverBend Area III, along the drainage ditch/property line. The pile was generated during excavation activities performed by the Buffalo & Pittsburgh Railroad, to clean the drainage ditch affected by flooding along the railroad's vehicle service road. A sample of the soil/fill was collected by Roux personnel in September 2023 and submitted to Alpha Analytical, Inc. (now Pace Analytical Services) for waste characterization analysis via TCLP VOCs, TCLP SVOCs, TCLP Metals, PCBs and ICR (Ignitability, Corrosivity & Reactivity). Results of the sample indicated the soil/fill material is non-hazardous. Following the 2024 PRR submittal, the NYSDEC requested a TENORM assessment of the soil/fill material which was subsequently performed by Roux (and their radiological subcontractor MJW Corporation Inc.) in August 2024. In an email dated December 11, 2024, and following review of the waste characterization analytical data and TENORM screening results, the Department determined that the Area III soil/fill material was not TENORM. As such, FSMC and Tesla agreed that the Area III soil/fill material could be blended with the Spoils Stockpile and used to construct an earthen berm along the Fiber Optic Cable (South) alignment. In a February 19, 2025 email to Roux, the Department approved this action.

The Spoils Pile volume is estimated to be approximately $\pm 1,822$ CYs (approximately $\pm 1,750$ CYs generated from the eleven Tesla projects in Area I, approximately ± 60 CYs of drilling mud from Area I, and approximately ± 12 CYs from Area III).

BERM DESIGN & CONSTRUCTION DETAILS

Following NYSDEC and NYSDOH review and approval of TRC's berm design (see **Attachment 1**), Tesla plans to utilize the material from the Spoils Stockpile to construct an earthen berm along the alignment of the buried Fiber Optic Cable (South) (approximately $\pm 1,985$ LF) (see **Figure 2**). Initially, the area within the footprint of the planned berm alignment will have the topsoil removed down to the demarcation and stockpiled to be re-used as cover soil on the berm. Prior to berm construction, the Drilling mud within the two roll-off containers will be further stabilized with SolidState6, an inert solidification reagent, and blended with Spoils Stockpile material. In addition, the approximate ± 12 CYs of Area III soil/fill will be transported and blended with the Spoils Stockpile material.

Once homogenized, the spoils mixture will be transported, placed in 12-inch lifts, and compacted with a vibratory roller into an approximate ± 18 -foot-wide by ± 4 -foot-high berm along the Fiber Optic Cable (South) alignment. Berm construction will progress in such a manner to prevent stormwater ponding and include the installation of 4-inch diameter drainage pipe placed perpendicular to the berm at select locations. Following compaction of the material and placement of a demarcation layer (i.e., orange netting or approved other), the berm will be capped with one foot of stockpiled topsoil from the initial stripping. It is anticipated that topsoil already stockpiled on the Tesla property accumulated from other on-site projects (approximately $\pm 1,200$ CYs), and located at the rear of the Tesla property, will also be utilized (see **Figure 2**). Because the topsoil has already been approved by the NYSDEC, an Import Request Form will not be required. The topsoil will then be seeded and maintained by Tesla acting as a visual marker of the buried utility alignment. Per the design, berm construction will be tapered on either side of each fiber optic pull box as well as at an access area near the TENORM Variance Area to allow future access by Tesla personnel, should it become necessary. TRC will be providing full-time environmental oversight during all intrusive activities for this project.

During Berm construction, six 4-inch diameter drainpipes will be installed perpendicular to the berm at select locations to prevent the buildup and/or surface ponding of precipitation (e.g., snow melt and/or rain) along the south side of the berm (see **Attachment 1**). Each stormwater drainpipe will be positioned on top of the existing final cover grade and the north side outlets protected with fabric and 2-inch run of crush gravel to prevent soil cover erosion.

Because the Spoils Pile volume has been approximated, the final size and shape of the Berm will be determined based on the actual volume of the blended Spoils Stockpile material available. It is anticipated that additional spoils material may be required to complete the Berm as designed. Tesla has several additional

planned projects that will penetrate the final cover and demarcation layer which are anticipated to generate additional spoils that will be used to supplement and complete Berm construction. Any additional generated spoils will be segregated from the existing Spoils Pile, characterized via sampling and laboratory chemical/radiological analysis as well as screened via radiological survey, with the results submitted to the Department for review and approval. The final Berm alignment (and any future Berm additions) will be surveyed (i.e., as-built) and added to the Final Cover figure presented in the current certifying period PRR. The SMP will be updated to reflect this final cover modification and include an as-built drawing of the berm.

The Berm construction project will not penetrate the demarcation layer for the existing final cover, but it will substantively change the use of the cover system within the project area of Site. As such, a Change-of-Use Form (COU) required by the NYSDEC is provided in **Attachment 2**. The import of off-site material (i.e., 2-inch run of crush for the drainpipe discharge) is planned for this project, so an Import Request Form will be completed and submitted to NYSDEC for review and approval prior to import to the Site.

SMP ACTIVITIES

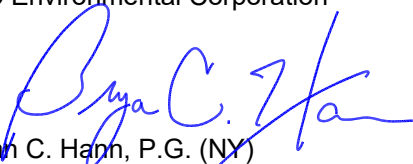
During intrusive work activities performed for this project, TRC will implement the community air monitoring program (CAMP) at one upwind and one downwind location in accordance with the SMP. During relocation, excavated spoils will be screened by TRC field personnel using a handheld PID and a Ludlum Ratemeter/Scaler for gamma radiation along with visual/olfactory observations in accordance with the SMP and NYSDEC Guidance DMM-5; *Management of Soils Contaminated with TENORM*. Appropriate actions will be taken if field screening indicates exceedances of the SMP (and DMM-5) thresholds. Additionally, TRC personnel will ensure that only soil/fill/slag material will be permitted to construct the berm and will not include any waste material (e.g., putrescible waste, etc.). A project summary will be prepared for the 2025 PRR which will include field observations, screening results, an earthen berm as-built drawing, and representative project photographs.

This project will adhere to the SMP, this Excavation Work Notification, TRC's site-specific Health and Safety Plan (HASP), and NYSDEC's DMM-5 (dated October 27, 2023).

We trust that the information provided will allow the Department (and NYSDOH) to provide approval of our planned earthen berm construction design at the Tesla Site.

Please contact us if you have any questions or require additional information.

Sincerely,
TRC Environmental Corporation



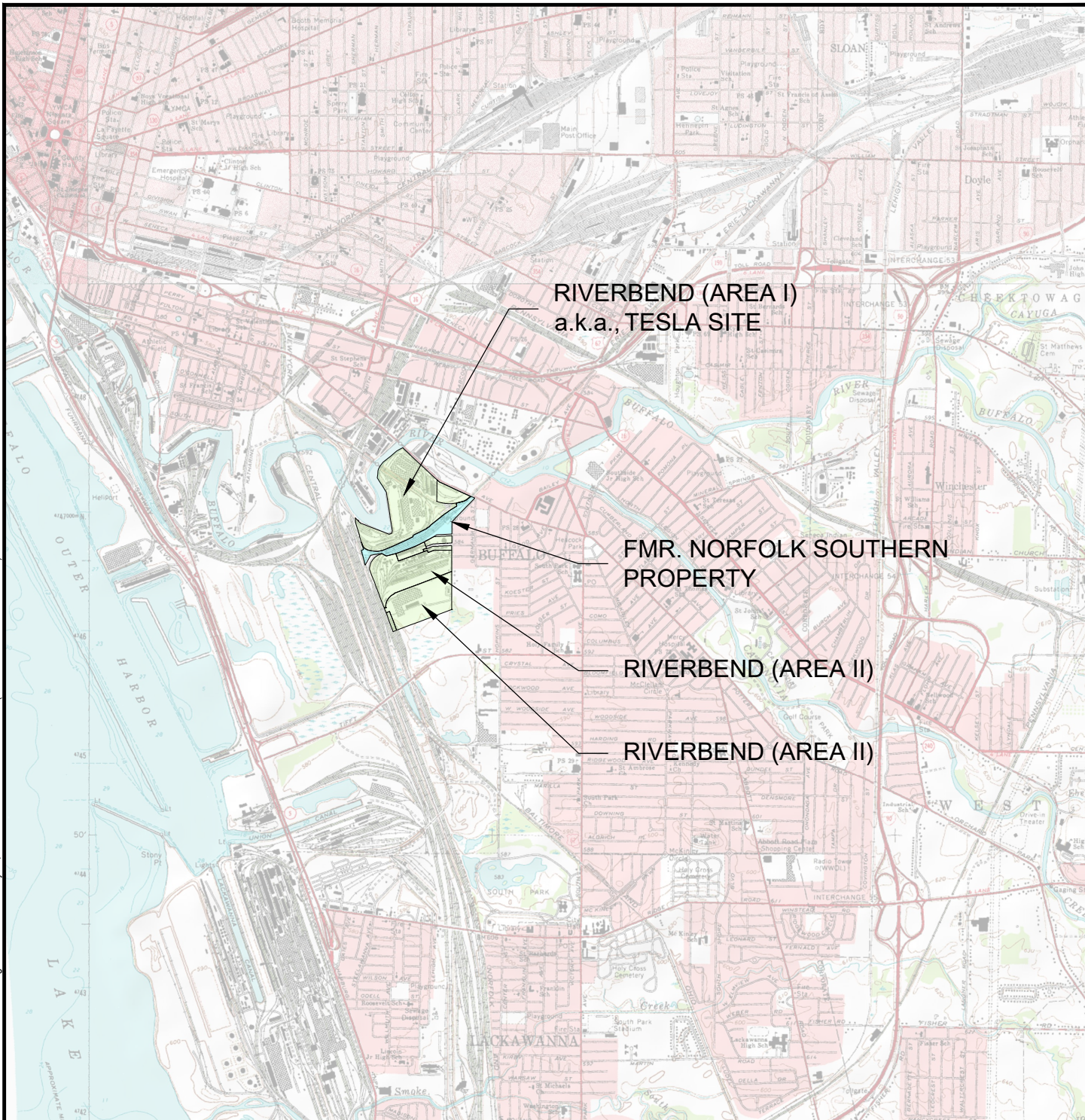
Bryan C. Hann, P.G. (NY)
Senior Geologist / Project Manager

TRC Project #643451.0000.0000

Figures 1 and 2
Attachments 1 and 2


FIGURES

8/1/2021 10:00:00 AM C:\Users\Bhami\OneDrive - TRC\Documents\0 - Projects\TeslaCAD\riverbendbase2.dwg --- PLOT DATE: May 01, 2025 - 3:32PM --- LAYOUT: FIG 1 EXCAVATION NOTIFICATION



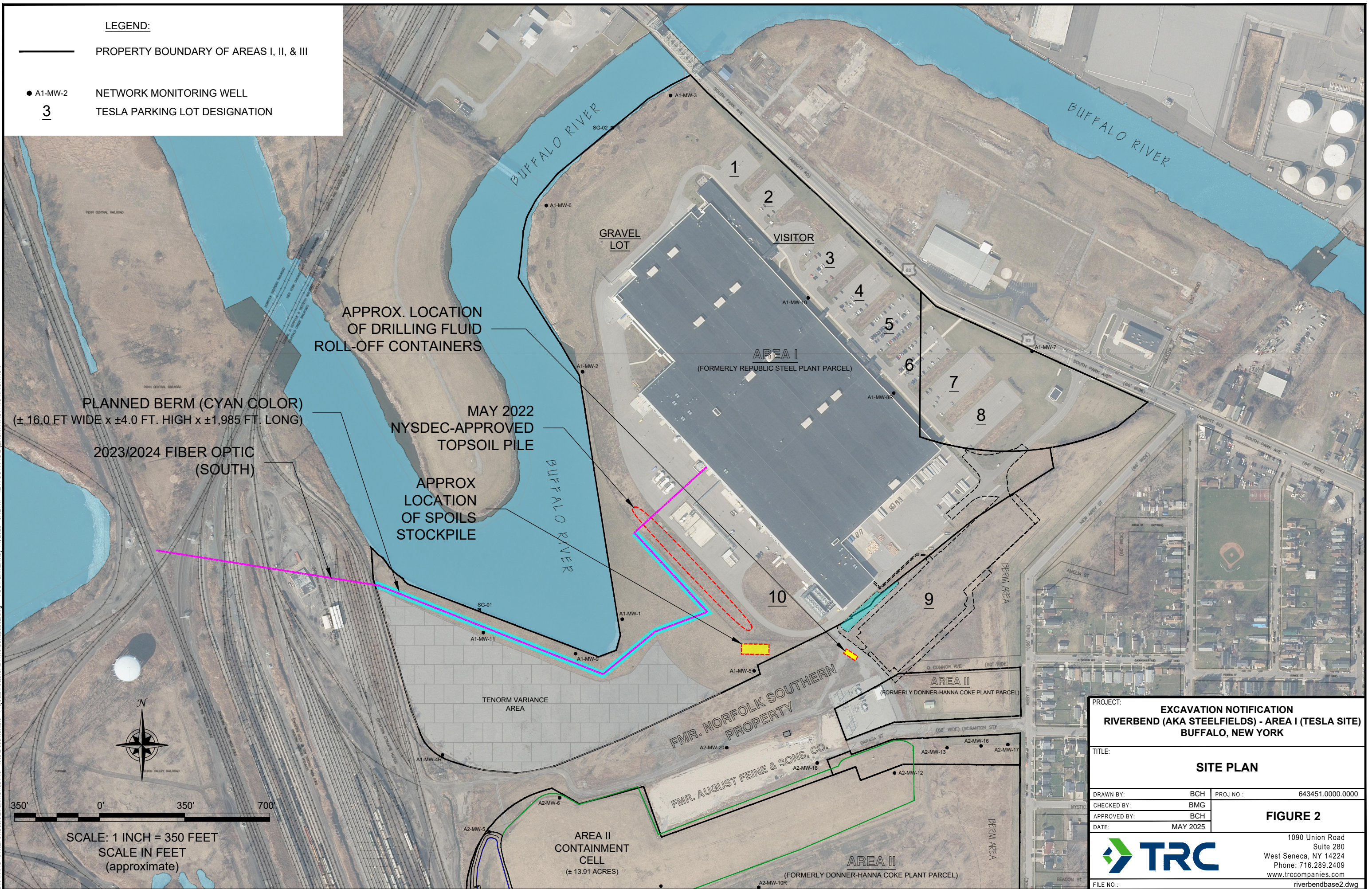
4000' 0' 4000' 8000'

SCALE: 1 INCH = 4000 FEET
SCALE IN FEET
(approximate)

PROJECT: EXCAVATION NOTIFICATION RIVERBEND (AKA STEELFIELDS) - AREA I (TESLA SITE) BUFFALO, NEW YORK			
TITLE: SITE LOCATION & VICINITY MAP			
DRAWN BY:	BCH	PROJ NO.:	605869.0000.0000
CHECKED BY:	BCH	FIGURE 1	
APPROVED BY:	BCH		
DATE:	DECEMBER 2024		
		1090 Union Road Suite 280 West Seneca, NY 14224 Phone: 716.289.2409 www.trccompanies.com	
		FILE NO.: riverbendbase2.dwg	

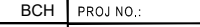
PROPERTY BOUNDARY OF AREAS I, II, & III

● A1-MW-2 NETWORK MONITORING WELL
3 TESLA PARKING LOT DESIGNATION



PROJECT: **EXCAVATION NOTIFICATION
RIVERBEND (AKA STEELFIELDS) - AREA I (TESLA SITE)
BUFFALO, NEW YORK**

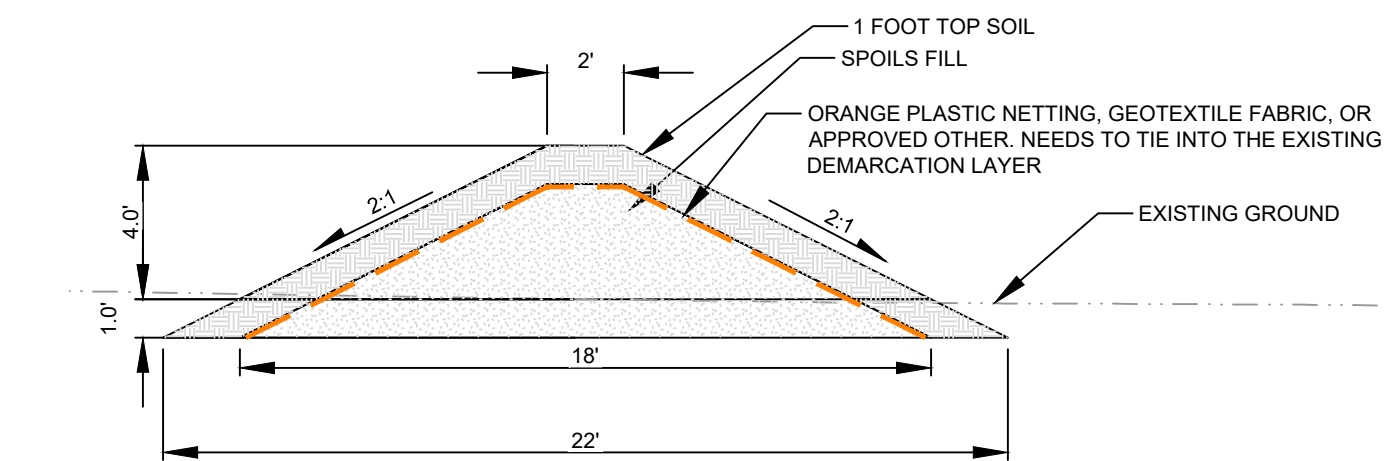
TITLE: **SITE PLAN**

DRAWN BY:	BCH	PROJ NO.:	643451.0000.0000
CHECKED BY:	BMG	<div style="text-align: center;">  <p>FIGURE 2</p> </div>	
APPROVED BY:	BCH		
DATE:	MAY 2025		

	1090 Union Road Suite 280 West Seneca, NY 14224 Phone: 716.289.2409 www.trccompanies.com
	FILE NO.: riverbendbase2.dwg

ATTACHMENT 1

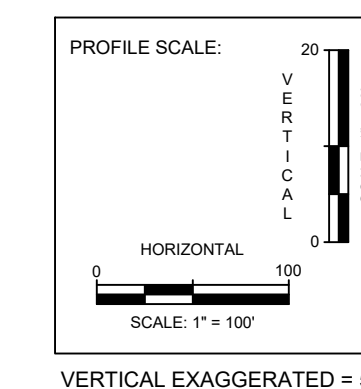
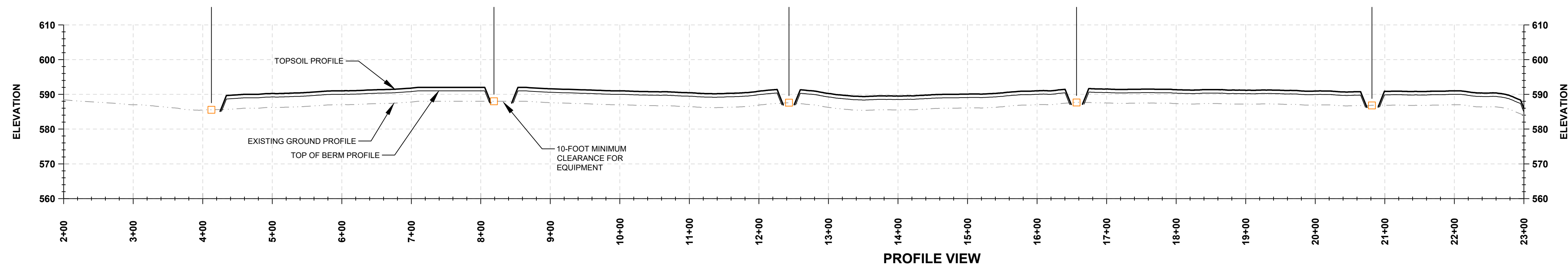
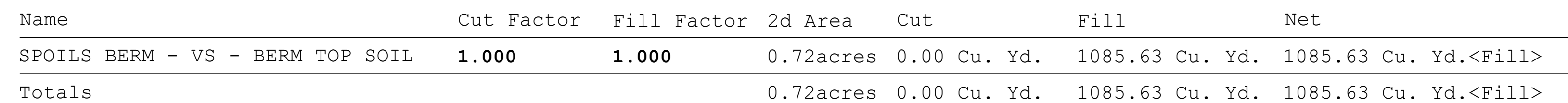
EARTHEN BERM DESIGN

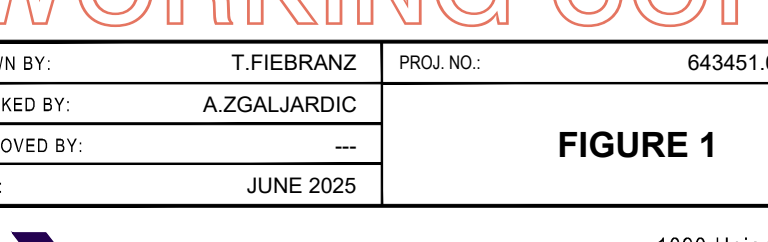



BERM SECTION DETAIL

LEGEND

● A1-MW-2



PROJECT:		
RIVERBEND (AKA STEELFIELDS) - AREA I (TESLA SITE) BUFFALO, NEW YORK		
TITLE: PLAN AND PROFILE		
DRAWN BY: T.FIEBRANZ		
CHECKED BY: A.ZGALJARDIC		
APPROVED BY: _____		
DATE: JUNE 2025		
PROJ. NO.:		643451.0000.0000
		
		
1090 Union Road Suite 280 West Seneca, NY 14224 Phone: 716.289.2409 www.trccompanies.com		
FILE NO.:	643451 Site Plan.dwg	

BERM CONSTRUTCTION NOTES AND SPECIFICATIONS:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH ALL CONDITIONS AND NOTIFICATION REQUIREMENTS OF ISSUED PERMITS AN FOR COMPLETION OF THE WORK.
2. PERFORM UNDERGROUND UTILITY MARK-OUT SURVEY IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED IN THE CONTRACT DOCUMENTS.
3. PROTECT EXISTING ABOVE GROUND STRUCTURES, UNDERGROUND UTILITIES AND STRUCTURES LOCATED OUTSIDE THE LIMITS OF WORK. THIS INCLUDES EXISTING MONITORING WELLS.
4. INSTALL SEDIMENT, EROSION AND STORMWATER CONTROL MEASURES.
5. INSTALL TEMPORARY VEHICLE DECONTAMINATION AREA AS REQUIRED.
6. MOBILIZE TEMPORARY CONSTRUCTION SUPPORT FACILITIES AS REQUIRED.
7. PRIOR TO INITIATING CONSTRUCTION OF THE BERM, THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE WITHIN THE PROJECT LIMITS.
8. THE CONTRACTOR SHALL STRIP ALL TOPSOIL WITHIN THE LIMITS OF THE BERM AND STOCKPILE THE TOPSOIL AS DIRECTED BY THE ENGINEER AND EXPOSED EXISTING DEMARCATION LAYER MATERIAL.
9. THE CONTRACTOR SHALL PREPARE THE SUBGRADE FOR THE BERM BY PROOF ROLLING. THE ENGINEER WILL VISUALLY INSPECT THE SUBGRADE SURFACE FOR THE PRESENCE OF UNSUITABLE MATERIAL, INCLUDING, BUT NOT LIMITED TO, EXCESSIVELY SOFT SOILS, ROOTS, VEGETATION, OR DELETERIOUS MATERIAL, PRIOR TO PLACEMENT OF SPOILS FILL. THE CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIAL TO THE SATISFACTION OF THE ENGINEER. THE ENGINEER MAY REQUEST THE CONTRACTOR TO PROOF ROLL ANY QUESTIONABLE SUBGRADE AREAS.
10. THE CONTRACTOR SHALL PLACE, COMPACT, SHAPE, AND GRADE THE SPOILS FILL TO ACHIEVE THE DESIGN LINES AND GRADES OF THE BERM AS SHOWN ON THE DRAWINGS. WHILE THE ENGINEER WILL ALLOW FLEXIBILITY IN ACHIEVING SPECIFIC ELEVATIONS AND CONTOURS, THE CONTRACTOR MUST COMPLETE THE GRADING ACTIVITIES TO ENSURE BERM SIDESLOPES SHALL BE NO GREATER THAN 50%.
11. THE SPOILS FILL SHALL BE PLACED IN UNIFORM COMPACTED LIFTS NOT TO EXCEED 12-INCHES THICKNESS, UNLESS OTHERWISE APPROVED BY THE ENGINEER. THE SPOILS FILL SHALL BE PLACED AND COMPACTED IN A MANNER THAT ELIMINATES LIFT INTERFACES AND PREVENTS THE FORMATION OF OBSERVABLE VOIDS IN THE COMPLETED LIFTS AS DETERMINED BY THE ENGINEER. HAND_OPERATED PLATE TYPE VIBRATORY TAMPERS OR OTHER SUITABLE EQUIPMENT MUST BE USED IN AREAS NOT ACCESSIBLE TO LARGER COMPACTORS.
12. THE SITE GRADING SHALL BE COMPLETED IN A FASHION THAT RESULTS IN UNIFORM GRADE CHANGES SUITABLE FOR LONG TERM SITE MAINTENANCE ACTIVITIES SUCH AS MOWING AND RE-SEEDING. ALL GRADE CHANGES SHALL BE GRADUAL AND SLOPES SHALL BE BLENDED INTO FLAT AREAS, SO AS TO PREVENT FORMATION OF DEPRESSIONS WHERE WATER MAY POND. ALL SITE GRADING SHALL BE COMPLETED IN A MANNER THAT ACHIEVES THE REQUIRED SLOPES AND UNIFORMITY OF APPEARANCE WITH A MINIMUM AMOUNT OF DISTURBANCE TO THE SITE.
13. AT THE ENGINEER'S DISCRETION, THE CONTRACTOR SHALL COMPLETE, AND THE ENGINEER SHALL OBSERVE AND DOCUMENT, PROOF-ROLLING OF THE SUBGRADE FOR THE PURPOSE OF DETECTING SOFT OR YIELDING AREAS OF THE SUBGRADE. SOFT OR YIELDING AREAS SHALL BE DEFINED AS ANY AREA THAT WILL NOT ADEQUATELY SUPPORT THE PLACEMENT AND/OR COMPACTION OF THE OVERLYING SOILS IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS. THE CONTRACTOR WILL PROOF-ROLL ALL ACCESSIBLE SUBGRADE AREAS BY PASSING A SMOOTH DRUM STEEL COMPACTOR, OR OTHER SUITABLE EQUIPMENT, OVER THE PREPARED SUBGRADE, WHILE THE ENGINEER INSPECTS THE SUBGRADE FOR EXCESSIVE DEFLECTION, PUMPING, OR SOFT AREAS. ALL SOFT MATERIALS IN THE SUBGRADE SHALL BE REMOVED BY OVER-EXCAVATION AND REPLACED WITH COMPACTED FILL AS REQUIRED BY THE ENGINEER. SPOILS FILL PLACEMENT CONDITIONS AND COMPACTION WILL BE VISUALLY OBSERVED, AS NEEDED, BY THE ENGINEER TO VERIFY THE USE OF PROPER INSTALLATION TECHNIQUES AND COMPACTION EFFORT. ANY GENERATED SPOILS WILL BE RE-USED WITHIN THE NEWLY CONSTRUCTED BERM UNLESS DETERMINED UNFIT BY THE ENGINEER.
14. FOLLOWING TOPSOIL PLACEMENT, CONTRACTOR WILL PLACE A DEMARCATION LAYER, AVOIDING FISH-MOUTHS AND EXCESSIVE WRINKLING. DEMARCATION MATERIAL TO CONSIST OF ORANGE MESH NETTING, GEOTEXTILE FABRIC, OR OTHER APPROVED MATERIAL BY ENGINEER.
15. TOPSOIL SHALL CONSIST OF THE PLACEMENT OF NYSDEC-APPROVED TOPSOIL SUITABLE FOR VEGETATIVE GROWTH IN ALL AREAS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE ALL THE REQUIRED LABOR, AND EQUIPMENT TO PERFORM THE WORK.
16. THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL DEVICES SUCH AS DIVERSIONS, CHANNELS, SEDIMENT TRAPS, AND STABILIZING MEASURES AS NEEDED TO PRESERVE THE SOIL LAYER UNTIL VEGETATION IS ESTABLISHED.
17. AFTER THE ENGINEER HAS APPROVED THE SURFACE IMMEDIATELY BELOW THE SOIL SUITABLE FOR VEGETATIVE GROWTH, THE CONTRACTOR SHALL SCARIFY ITS SURFACE PRIOR TO PLACING SOIL SUITABLE FOR VEGETATIVE GROWTH. THE CONTRACTOR SHALL SCARIFY AT APPROXIMATELY RIGHT ANGLES TO THE SLOPE DIRECTION IN AREAS THAT ARE STEEPER THAN FIVE PERCENT.
18. SOIL SUITABLE FOR VEGETATIVE GROWTH SHALL BE INSTALLED IN A SINGLE, MINIMUM 6" INCH LIFT. SOIL SHALL NOT BE PLACED WHEN IT IS PARTLY FROZEN, MUDDY, OR ON FROZEN SLOPES OR OVER ICE, SNOW, OR STANDING WATER.
19. THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT UNDERLYING SOIL REMAINS INTACT, AND DOES NOT BECOME MIXED WITH THE SOIL SUITABLE FOR VEGETATIVE GROWTH DURING INSTALLATION. CONTRACTOR WILL ALSO ENSURE THE UNDERLYING DEMARCATION LAYER REMAINS INTACT.
20. ENGINEER WILL HAVE THEIR SUBCONTRACTOR PERFORM POST-EXCAVATION SURVEY. DEVELOP RECORD DRAWINGS.
21. MAINTAIN RESTORED AREAS AND ALL PLANTINGS THROUGHOUT THE WARRANTY PERIOD INCLUDING BUT NOT NECESSARILY LIMITED TO WATERING AND REPAIR OR REPLACEMENT OF DAMAGED OR DEAD VEGETATION.
22. PERFORM ALL OTHER ACTIVITIES NOT SPECIFICALLY DISCUSSED HEREIN BUT NECESSARY TO SATISFACTORILY COMPLETE ALL WORK REQUIRED BY THE CONTRACT DOCUMENTS, CONTRACT DRAWINGS, AND ENGINEER.
23. PERFORM ALL WORK ASSOCIATED WITH CONTRACT CLOSEOUT.

GENERAL NOTES

1. HORIZONTAL DATUM IS BASED UPON THE NEW YORK STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83).
2. VERTICAL DATUM IS BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. TOPOGRAPHIC SURVEY INCLUDING CONTOUR ELEVATION AND PROPERTY BOUNDARY INFORMATION, FROM USGS NY LIDAR , DATED 2019.
4. THE CONTRACTOR SHALL FURNISH ALL LABOR, FACILITIES, POWER AND INCIDENTALS NECESSARY TO FULLY COMPLETE THE WORK AS SHOWN, AS SPECIFIED AND AS DIRECTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL WORK DESCRIBED IN THE CONTRACT DOCUMENTS, INCLUDING ITEMS NOT SPECIFICALLY IDENTIFIED, AS REQUIRED TO COMPLETE THE WORK.
5. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS, AND THE CONTRACTOR'S APPROVED SUBMITTALS. IF ANY LAW, REGULATION AND/OR CONTRACT DOCUMENTS HAVE CONTRADICTING REQUIREMENTS, THEN THE MOST STRINGENT REQUIREMENT SHALL APPLY AS DETERMINED BY TRC. LOCAL LAWS SHALL INCLUDE ANY CITY OR OTHER LOCAL REGULATORY AUTHORITY HAVING JURISDICTION.
6. THE CONTRACTOR IS RESTRICTED FROM PERFORMING ANY OPERATIONS OUTSIDE THE DEFINED CONTRACT LIMITS UNLESS OTHERWISE APPROVED.
7. THE CONTRACTOR SHALL IDENTIFY, APPLY FOR AND OBTAIN, PAY ALL FEES FOR, AND COMPLY WITH ALL REQUIREMENTS OF ALL ISSUED LICENSES, PERMITS, APPROVALS AND INSURANCE REQUIRED FROM FEDERAL, STATE AND LOCAL GOVERNMENT AND PUBLIC AGENCIES AND AUTHORITIES NECESSARY TO PERFORM THE WORK. THE CONTRACTOR SHALL PROVIDE INDEMNIFICATION TO PUBLIC AND PRIVATE AGENCIES AND AUTHORITIES AS NECESSARY TO PERFORM THE WORK.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS THAT ARE REQUIRED PRIOR TO COMMENCING CONSTRUCTION, EXCEPT AS NOTED IN THE CONTRACT DOCUMENTS.
9. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE COMMENCING WORK. EXISTING DIMENSION AND ELEVATION INFORMATION PRESENTED ON THESE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR BY ACTUAL FIELD MEASUREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPORT ANY DISCREPANCIES TO TRC IN A TIMELY MANNER. FAILURE TO PROSPECT IN ADVANCE OF WORK OR VERIFY DIMENSIONS SHALL NOT BE CAUSE FOR ADDITIONAL COSTS.
10. UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM DATA OBTAINED FROM PREVIOUS MAPS AND RECORD DRAWINGS. SURFACE FEATURES SUCH AS CATCH BASIN RIMS, MANHOLE COVERS, WATER VALVES, GAS VALVES, ETC. ARE THE RESULT OF FIELD SURVEY UNLESS NOTED OTHERWISE. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH IS NOT KNOWN. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES. A UTILITY MARK-OUT MUST BE CONDUCTED PRIOR TO EXCAVATION AND CONSTRUCTION.
11. EXISTING UTILITIES, BURIED PIPING, AND MONITORING WELL LOCATIONS AND ELEVATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND ARE INTENDED ONLY TO INDICATE THE EXISTENCE OF SUCH UTILITIES AND PIPING IN AREA SHOWN. THE EXISTENCE AND LOCATION OF ANY UTILITIES INDICATED ON THE PLANS ARE NOT GUARANTEED AND SHALL BE INVESTIGATED AND VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE STARTING WORK. BEFORE PROCEEDING WITH WORK, THE CONTRACTOR SHALL VERIFY UTILITIES, PIPING, AND MONITORING WELLS LOCATIONS IN THE FIELD AND NOTIFY TRC OF ANY DISCREPANCIES. PUBLIC AND PRIVATE UTILITIES SHALL BE LOCATED BY THE CONTRACTOR, AT NO ADDITIONAL COST. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY NO LATER THAN 48 HOURS PRIOR TO ANY EXCAVATION THAT MAY AFFECT THAT UTILITY. EXCAVATION IN THE TOLERANCE ZONES OF UNDERGROUND UTILITIES SHALL BE DUG BY HAND IN ACCORDANCE WITH UTILITY SPECIFICATIONS. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES AND MONITORING WELLS.
12. THE CONTRACTOR SHALL NOTIFY TRC A MINIMUM OF FIVE (5) DAYS PRIOR TO THE START OF CONSTRUCTION. IN ADDITION, IF ANY WORK SHOULD BE STOPPED AND RESTARTED FOR ANY REASON, THE CONTRACTOR SHALL GIVE TRCA MINIMUM FIVE (5) DAYS NOTICE.
13. THE CONTRACTOR SHALL PERFORM DAILY CLEANUP OPERATIONS WHICH INCLUDE REMOVAL OF DEBRIS (CUPS, PAPER BAGS, CANS, ETC.), REMOVAL OF EXCESS CONSTRUCTION MATERIALS, ALL TO THE SATISFACTION OF TRC THROUGHOUT THE CONTRACT DURATION.
14. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN TRAFFIC ON ALL ROADWAYS ADJACENT TO OR WHERE WORK IS IN PROGRESS. ALL ROADWAYS SHALL REMAIN OPEN AND ACCESSIBLE TO ALL, EXCEPT AS OTHERWISE SPECIFIED OR APPROVED. NO ROADWAY CLOSURES SHALL BE ALLOWED AS PART OF THE CONTRACT. AS A MINIMUM, ONE LANE ALTERNATING TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. ROADWAYS SHALL BE RESTORED TO FULL TRAFFIC PATTERN FLOWS AT THE END OF EACH WORK DAY.
15. ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL STATUTES AND U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS (O.S.H.A.). COPIES OF O.S.H.A.'S STANDARDS MAY BE PURCHASED FROM THE U.S. GOVERNMENT PRINTING OFFICE. THE CONTRACTOR ALONE WILL BE RESPONSIBLE FOR THE EXECUTION OF THE WORK IN ACCORDANCE WITH ALL APPLICABLE HEALTH AND SAFETY REGULATIONS.
16. THE CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, GUIDERAILS, WALKS, CURBS, FENCES, AND OTHER PHYSICAL FEATURES TO A CONDITION AT LEAST AS GOOD AS THEY WERE BEFORE BEING DISTURBED. ALL STRUCTURES SHALL BE PROTECTED OR REMOVED AND REPLACED EXACTLY AS THEY WERE BEFORE BEING DISTURBED. DAMAGED ITEMS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
17. PRIOR TO SUBMITTING A RESPONSIBLE BID, THE CONTRACTOR SHALL VISIT THE SITE AND BE FAMILIAR WITH THE EXISTING CONDITIONS.
18. THE CONTRACTOR SHALL DEVELOP AND FOLLOW ITS OWN SITE-SPECIFIC HEALTH AND SAFETY PLAN AND USE PPE.
19. SUMMARY OF ENVIRONMENTAL CONDITIONS BASED ON PREVIOUS ANALYTICAL DATA COLLECTED AS PART OF THE SITE ASSESSMENT AND COMPLETED REMEDIAL ACTIONS FOR THE TESLA (AREA I) SITE. VOLATILE ORGANIC COMPOUNDS (VOCs) PRESENT IN SOIL/FILL AT ELEVATED CONCENTRATIONS ARE LIMITED TO BENZENE, ETHYLBENZENE, TOLUENE, AND XYLENES (BTEx), SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) PRESENT IN SOIL/FILL ARE EXCLUSIVELY LIMITED TO POLYCYCLIC AROMATIC HYDROCARBONS (PAHS), AND HEAVY METALS PRESENT IN SOIL/FILL ARE LIMITED TO ARSENIC, CHROMIUM, AND LEAD; AND MERCURY IN ISOLATED INSTANCES. SIMILAR IMPACTS WERE ALSO IDENTIFIED IN TESLA (AREA I) SITE GROUNDWATER, ALTHOUGH GROUNDWATER IS NOT ANTICIPATED TO BE ENCOUNTERED DURING THIS PROJECT. THE NATIVE SAND AND CLAY SOILS PRESENT BELOW THE TESLA (AREA I) SITE SOIL/FILL MATERIAL DO NOT CONTAIN THESE ANALYTES.
20. IN 2015, LOW-LEVEL RADIOLOGICAL ACTIVITY WAS IDENTIFIED AT THE SITE WHICH IS DEFINED AS TECHNOLOGICALLY ENHANCED NATURALLY OCCURRING RADIOLOGICAL MATERIAL (TENORM). IN GENERAL, TENORM IS MATERIAL CONTAINING RADIONUCLIDES THAT ARE PRESENT NATURALLY IN ROCKS, SOILS, WATER, AND MINERALS AND THAT HAVE BECOME CONCENTRATED AND/OR EXPOSED TO THE ACCESSIBLE ENVIRONMENT DUE TO HUMAN ACTIVITIES SUCH AS MANUFACTURING, WATER TREATMENT, OR MINING OPERATIONS. THE SLAG MATERIAL AT THE SITE IS THE LIKELY SOURCE OF THE TENORM; A BYPRODUCT OF THE FORMER IRON AND STEEL MANUFACTURING OPERATIONS WHICH PROCESSED AND CO-PROCESSED NORM-CONTAINING ORES AND MINED MATERIALS. THE PRIMARY TENORM ISOTOPE IDENTIFIED AT THE SITE IS RADIUM-226. RADIUM (CHEMICAL SYMBOL RA) IS A NATURALLY OCCURRING RADIOACTIVE METAL WITH THE MOST COMMON ISOTOPES BEING RA-226, RADIUM 224, AND RADIUM-228. RADIUM-226, RA-228 AND THEIR RESPECTIVE PROGENY, EMIT ALPHA AND BETA PARTICLES AS WELL AS GAMMA RAYS WHEN UNDERGOING RADIOACTIVE DECAY. AT THE TESLA SITE, CONCENTRATIONS OF RADIUM ARE BELOW 30 PICOCURIES PER GRAM (PC/G) AND AS SUCH, STANDARD INDUSTRIAL HYGIENE CONTROLS WILL LIMIT RADIATION DOSES TO VIRTUALLY ZERO DURING FIELD PROJECTS THAT OCCUR BELOW THE SITE DEMARCATION LAYER (I.E., INTRUSIVE). THESE CONTROLS INCLUDE PERIODIC MONITORING TO ENSURE NO BUILD-UP OF RADIUM CONTAMINATED DUSTS IS OCCURRING ON EQUIPMENT, VEHICLES, OR PERSONNEL, STANDING UPWIND DURING EXCAVATION OPERATIONS, AND LIMITING TIME WHERE DIRECT CONTACT OF MATERIALS MAY OCCUR.

PROJECT:
RIVERBEND (AKA STEELFIELDS) - AREA I (TESLA SITE)
BUFFALO, NEW YORK

TITLE:
NOTES AND SPECIFICATIONS

DRAWN BY: T FIEBRANZ


CHECKED BY: A ZGALJARDIC

APPROVED BY: ---

DATE: JUNE 2025

PROJ. NO.: 643451.0000.0000

FIGURE 2



1090 Union Road
Suite 280
West Seneca, NY 14224
Phone: 716.289.2409
www.trccompanies.com

FILE NO.: 643451 NOTES AND SPECIFICATIONS.dwg

ATTACHMENT 2

CHANGE-OF-USE FORM

**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: Steelfields Site (aka RiverBend) - Area I **DEC Site ID No.** V00619

II. Contact Information of Person Submitting Notification:

Name: Robert Pratt (Tesla)
Address1: 1339 South Park Avenue
Address2: Buffalo, NY 14220
Phone: 716.342.9075 E-mail: ropratt@tesla.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

- ☐ Change in Ownership or Change in Remedial Party(ies)
☐ Transfer of Certificate of Completion (CoC)
☒ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): May 1, 2025**IV. Description:** Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

Work activities will include blending drilling mud and Area III soil/fill with the existing Spoils Pile in Area I. The blended spoils will be used to construct an earthen berm along the Fiber Optic (South) alignment. This project will penetrate the final cover but not the demarcation layer and will substantively change the use of the cover system within the project area of Site. This project will not require the import of off-site material. This change will not affect the completed remediation. The final cover will be slightly modified but will adhere to NYSDEC DER-10 requirements for the Site (i.e., commercial/industrial).

- V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: _____
(Signature) _____
(Date)

(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

- VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☐ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Certifying Party Name: TRC Environmental Corporation (Bryan Hann, P.G. (NY))

Address1: 1090 Union Road, Suite 280

Address2: West Seneca, NY 14224

Phone: 716.870.1165 E-mail: bhann@trccompanies.com

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name: _____
(Signature)

(Date)

(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Continuation Sheet

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____



Instructions for Completing the 60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion (CoC), and/or Ownership Form

Submit to: Chief, Site Control Section, New York State Department of Environmental Conservation, Division of Environmental Remediation, 625 Broadway, Albany NY 12233-7020

Section I

Description

Site Name

Official DEC site name.
(see <http://www.dec.ny.gov/cfm/xtapps/derexternal/index.cfm?pageid=3>)

DEC Site ID No.

DEC site identification number.

Section II

Contact Information of Person Submitting Notification

Name

Name of person submitting notification of site change of use, transfer of certificate of completion and/or ownership form.

Address1

Street address or P.O. box number of the person submitting notification.

Address2

City, state and zip code of the person submitting notification.

Phone

Phone number of the person submitting notification.

E-mail

E-mail address of the person submitting notification.

Section III

Type of Change and Date

Check Boxes

Check the appropriate box(s) for the type(s) of change about which you are notifying the Department. Check all that apply.

Proposed Date of Change

Date on which the change in ownership or remedial party, transfer of CoC, or other change is expected to occur.

Section IV

Description

Description

For each change checked in Section III, describe the proposed change.
Provide all applicable maps, drawings, and/or parcel information.
If "Other" is checked in Section III, explain how the change may affect the site's proposed, ongoing, or completed remedial program at the site.
Please attach additional sheets, if needed.

Section V Certification Statement

This section must be filled out if the change of use results in a change of ownership or responsibility for the proposed, ongoing, or completed remedial program for the site. When completed, it provides DEC with a certification that the prospective purchaser has been provided a copy of any order, agreement, or State assistance contract as well as a copy of all approved remedial work plans and reports.

Name	The owner of the site property or their designated representative must sign and date the certification statement. Print owner or designated representative's name on the line provided below the signature.
Address1	Owner or designated representative's street address or P.O. Box number.
Address2	Owner or designated representative's city, state and zip code.
Phone	Owner or designated representative's phone number.
E-Mail	Owner or designated representative's E-mail.

Section VI Contact Information for New Owner, Remedial Party, and CoC Holder (if a CoC was issued)

Fill out this section only if the site is to be sold or there will be a new remedial party. Check the appropriate box to indicate whether the information being provided is for a Prospective Owner, CoC Holder (if site was ever issued a COC), Prospective Remedial Party, or Prospective Owner Representative. Identify the prospective owner or party and include contact information. A Continuation Sheet is provided at the end of this form for additional owner/party information.

Name	Name of Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
Address1	Street address or P.O. Box number for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Address2	City, state and zip code for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Phone	Phone number for the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
E-Mail	E-mail address of the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.

If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/EC), indicate who will be the certifying party(ies). Attach additional sheets, if needed.

Certifying Party Name	Name of Certifying Party.
Address1	Certifying Party's street address or P.O. Box number.
Address2	Certifying Party's city, state and zip code.
Phone	Certifying Party's Phone number.
E-Mail	Certifying Party's E-mail address.

Section VII Agreement to Notify DEC After Property Transfer/Sale

This section must be filled out for all property transfers of all or part of the site. If the site also has a CoC, then the CoC shall be transferred using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>

Filling out and signing this section of the form indicates you will comply with the post transfer notifications within the required timeframes specified on the form. If a CoC has been issued for the site, the DEC will allow 30 days for the post transfer notification so that the "Notice of CoC Transfer Form" and proof of it's filing can be included. Normally the required post transfer notification must be submitted within 15 day (per 375-1.11(d)(3)(ii)) when no CoC is involved.

Name	Current property owner must sign and date the form on the designated lines. Print owner's name on the line provided.
Address1	Current owner's street address.
Address2	Current owner's city, state and zip code.