

APPENDIX A

SAMPLING PLAN GUIDANCE

APPENDIX A – SAMPLING PLAN GUIDANCE

Purpose: The purpose of this document is to provide guidance and policy for the City of Chicago Department of Transportation (CDOT) to standardize testing procedures for waste material designated for disposal at a clean construction or demolition debris (CCDD) facility and/or a landfill facility.

Owner: The document was prepared with input from the Departments of Assets, Information and Services (AIS), Fleet and Facility Management (2FM), and CDOT, and will be maintained by the CDOT Quality Assurance (QA) consultant for Regulated Substances (referred to herein as “CDOT QA”).

Effective Date: August 8, 2025

This document is organized into the following sections:

- 1.0** Phase II Process
- 2.0** Types of Projects
- 3.0** Identified PIPs
- 4.0** Investigation of PIPs and Nature of Concern
- 5.0** The Sampling Plan
- 6.0** Additional Minimum Sampling Considerations
- 7.0** Sampling & Disposal Documentation
- 8.0** Phase III Process

LIST OF ACRONYMS

AIS	Department of Assets, Information, and Services
bgs	Below ground surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
CCDD	Clean Construction or Demolition Debris
CDOT	Chicago Department of Transportation
CDPH	Chicago Department of Public Health
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CIC	Community Infrastructure Contracts
ELUC	Environmental Land Use Control
GMP	Groundwater Management Plan
HAA	Highway Authority Agreement
IAC	Illinois Administrative Code
LUST	Leaking Underground Storage Tank
MAC	Maximum Allowable Concentration
MSA	Metropolitan Statistical Area
MWRDGC	Metropolitan Water Reclamation District of Greater Chicago
MTBE	Methyl tert-butyl Ether
NCI	Neighborhood Capital Improvement
NFR	No Further Remediation

LIST OF ACRONYMS

PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PIP	Potentially Impacted Property
PNA	Polynuclear Aromatic Hydrocarbon
QA	Quality Assurance
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
ROW	Right of Way
SPLP	Synthetic Precipitation Leaching Procedure
SRO	Soil Remediation Objectives
SRP	Site Remediation Program
SVOC	Semi-Volatile Organic Compound
TCLP	Toxicity Characteristic Leaching Procedure
USFO	Uncontaminated Soil Fill Operation
VOC	Volatile Organic Compound

1.0 Phase II Process

At the beginning of the Phase II process, CDOT QA and/or the design consultant will prepare a sampling plan for the Project Corridor, which will be reviewed/approved by CDOT personnel. This sampling plan should include investigation of all sites identified by CDOT QA and at least one sample per block for soil pH. The sampling plan should account for three factors: type of project, identified PIPs, and the nature of concern at each site.

2.0 Type of Projects

CDOT projects typically fall into five (5) categories: striping and pavement marking, roadway repaving/resurfacing, sign installations/traffic signal improvements, roadway reconstruction (with and without utility work), and bridge improvements. Minimum sampling requirements on a cubic yard basis are typically not required by receiving facilities. However, sampling should be conducted to the maximum depth of potential excavation. Refer to **Table 1** in the “*Special Waste SOPs for State and Local Jurisdiction Roadways*” document for a list of project types.

3.0 Identified PIPs

ASTM Standard E 1527-21 uses the term Recognized Environmental Condition (REC) to assess risk. ASTM specifically defines REC as “the presence or likely presence of any *hazardous substances* or *petroleum products* in, on, or at a property: (1) due to any *release* to the *environment*; (2) under conditions indicative of a *release* to the *environment*; or (3) under conditions that pose a *material threat* of a future *release* to the *environment*. *De minimis conditions* are not *recognized environmental conditions*.”

Part 1100, 35 Illinois Administrative Code (IAC) has adopted the term Potentially Impacted Property (PIP) when assigning risk to sites. The PIP sites are essentially the same as REC sites as defined by ASTM Standard E 1527-21. Based on the establishment of PIP as the CDOT standard for describing sites at which

special waste management issues may be associated, this Sampling Plan Guidance uses the term PIP to describe sites presenting environmental concern to the Project Corridor.

The proximity of a site to the planned improvement area and site regulatory history as well as professional judgment will guide identification of PIPs. The following **Table A-1** shall be considered to provide consistency on CDOT projects.

TABLE A-1: PIP Identification Table

Type of Site	PIP Identification
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	PIP
Leaking Underground Storage Tank (LUST), SPILLS, or Site Remediation Project (SRP) Site	PIP unless No Further Remediation (NFR) letter documents all contamination removed in accordance with current SROs/MACs with no Highway Authority Agreement (HAA) or other Environmental Land Use Control (ELUC) on ROW or unless agency file review indicates otherwise
Gas Station	PIP
Auto Body Shops	PIP
Dry Cleaners	PIP, exception for storefront dry cleaners where all cleaning is performed off-site (historical and current)
RCRA Generator	Sites with violations are PIPs, sites without violations are not PIPs unless other documentation or observations identify potential contamination
Railroad (Crossings or Parallel)	PIP
Industrial Properties	PIP identification dependent on use and other findings
Transformers	Assumed to be <i>de minimis</i> . PIP if evidence of leaking, staining, or stressed vegetation
Golf Courses	PIP
Bridge Constructed Before 1988	PIP
Urban Fill Material	PIP

4.0 Investigation of PIPs and Nature of Concern

Based on the sites identified from the CDOT QA property screen, the number of soil boring locations can be selected. It is recommended that some sites, such as gas stations or large industrial facilities, have more than one soil boring advanced to characterize spoils in the area.

A minimum of one (1) boring should be completed per 200 linear feet of improvement, regardless of PIP status along the project area. The boring frequency shall be increased to include at least one (1) boring to address each PIP site. The frequency of borings at each PIP site shall be one (1) boring per 200 feet of frontage along the respective PIP site. PIP sites located on corner lots with planned improvements along more than one side require a minimum of one boring along each side.

Minimum sampling parameters can be specified by classifying the nature of listings associated with the identified sites. In addition, it is recommended to conduct testing for the 8 Resource Conservation and Recovery Act (RCRA) metals where metals contamination is a concern. Recommended minimum soil boring frequencies and a list of recommended sampling protocols are displayed below in **Table A-2**.

5.0 The Sampling Plan

Using the information provided by CDOT QA and included in **Table A-1** and **Table A-2**, a sampling plan for the project should be prepared. The sampling plan should include proposed boring locations, terminal boring depth, and parameters to be tested at each location. Once the sampling plan has been prepared, it should be reviewed by CDOT QA and/or the Department of Fleet and Facility Management (2FM)¹. ***As of the Effective Date of this document, 2FM and/or AIS can only provide a high-level review of project environmental concerns and therefore complete reviews should be forwarded to CDOT QA.*** CDOT QA can also assist with any sites that may require additional review or site-specific testing. Costs can be estimated based upon the required analytical testing. In addition, contingency funds for landfill characterization sampling should be prepared for areas which do not achieve the Maximum Allowable Concentration (MAC) values for CCDD disposal.

If the project type anticipates the generation of displaced groundwater (such as a waterway bridge project), a Groundwater Management Plan (GMP) shall be prepared. Information included in the GMP shall include, but not be limited to:

- Management Plans (e.g., groundwater/sediment slurry to be pumped to settling tank, with decant to be pumped to a holding tank; include details on pump size, tank sizing, and filtration of solids)
- Disposal Plans (e.g., Consideration of eligibility of treated groundwater be discharged to an MWRDGC sewer. Assessment of permit requirements from MWRDGC. Other considerations for proper off-site disposal of groundwater.)
- Sampling Parameters

¹ 2FM, and formerly the Department of Assets, Information and Services (AIS), maintains “permit hold areas” within the City of Chicago, which requires site-specific sampling and/or monitoring requirements for any subsurface work conducted within the ROW. An example is the Lindsay Light Streeterville Thorium Monitoring Area (Moratorium Area), as discussed at the following website: https://www.chicago.gov/city/en/depts/cdph/provdrs/healthy_communities/svcs/apply_for_a_streeterville_right-of-way_or_property_permit.html. An additional example includes the Former Carnotite Reduction Company Site, within the area surrounding 434 E. 26th Street, as discussed at the following website: <https://www.chicago.gov/city/en/sites/carnotite-remediation/home.html>. CDOT projects which fall within a moratorium or permit hold area will require coordination with AIS for proper sampling and monitoring plan review.

TABLE A-2: Recommended Soil Boring Frequency and Analysis Table

Site Type	Concern/(Minimum # of Borings)	Recommended Analyses ¹
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	Site Specific (1 boring per 200 feet)	VOCs, SVOCs, RCRA Metals, pH <i>or site specific</i>
Leaking Underground Storage Tank (LUST) or Site Remediation Program (SRP) ²	Gasoline (2 borings) Diesel (2 borings) Fuel Oil / Heating Oil (1 boring) Used Oil (2 borings) Other Petroleum (2 borings) Site Specific (1 boring per 200 feet)	BTEX ^A +MTBE ^B , total lead, pH BTEX, PNA ^C , pH BTEX, PNA ^C , pH VOCs ^D , SVOCs ^E , RCRA Metals ^F , pH VOCs, SVOCs, RCRA Metals, pH VOCs, SVOCs, RCRA Metals, pH <i>or site specific</i>
Gas Station	Gasoline and Diesel (2 borings)	BTEX+MTBE, PNA ^C , RCRA Metals, pH
Dry Cleaner	Chlorinated Solvents (1 boring per 200 feet)	VOCs, pH
RCRA Generator (violations)	Site Specific (1 boring per 200 feet)	VOCs, SVOCs, RCRA Metals, pH <i>or site specific</i>
Railroads (Crossing) Railroads (Parallel)	Historic Chemical Treatment, Land-Use, and Spills (1 boring each side) (1 boring per 200 feet)	BTEX, PNA ^C , RCRA Metals, Pesticides, Herbicides, pH
Autobody	Solvent/Chemical Use (1 boring per 200 feet)	VOCs, SVOCs, RCRA Metals, pH
Golf Courses	Chemical use (1 boring minimum at low point near drainage path)	Lead, Arsenic, Pesticides, Herbicides, pH
Chicago Department of Public Health (CDPH) Inspection and Code Enforcement	Illegal auto shop, unpermitted spray painting activities, etc. (1 boring per 200 feet)	VOCs, SVOCs, RCRA Metals, pH
Pad-Mounted Transformer (with evidence of release)	PCBs ^G (1 boring)	PCBs, pH
Other Sites (Building or dumping area) or Industrial Property	Site Specific (1 boring per 200 feet)*	VOCs, SVOCs, RCRA Metals, pH <i>or site specific</i>
Bridge Constructed Before 1988	Historic Painting Operations (1 boring each side)	Lead, pH (or per CCDD LPC-667 protocol if necessary)
Stockpile or Fill of unknown origin/sourced outside project limits	Site Specific (1 sample per 5,000 cy soil)	35 Ill. Adm. Code 740 Appendix A Tables A through D Target Compound List (TCL) parameters and herbicides
Chicago Urban Fill Material	Site Specific (1 boring per 200 feet)	PNA ^C , RCRA Metals, pH

^A BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes; a subset of VOCs

^B MTBE: Methyl tert-butyl Ether

^C PNA^C: Polynuclear Aromatic Hydrocarbons (also referred to as PAHs – polycyclic aromatic hydrocarbons), a subset of SVOCs

^D VOCs: Volatile Organic Compounds

^E SVOCs: Semi-Volatile Organic Compounds

^F The 8 RCRA Metals (total) include: arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver

^G PCBs: Polychlorinated Biphenyls

*The recommendation is for buildings or dumping areas

² Consider adjusting minimum sampling requirements for LUST or SRP sites that have received NFR letter documenting all contamination removed in accordance with current SROs/MACs. Additionally, TCLP metals may be analyzed as an alternative CCDD compliance verification as stipulated in footnote “m” in the table *Summary of MAC of Chemical Constituents in Uncontaminated Soil Used as Fill Material at Regulated Fill Operations* (35 IAC 1100.Subpart F).

Table A-2 includes a list of frequently encountered types of sites. Additional sites may be encountered and will require additional review as necessary based on site-specific considerations. In addition to the sampling parameters listed above, a minimum of one sample per block should be tested for soil pH to demonstrate the material achieves the soil pH requirement for CCDD disposal. If PIPs are present, then a pH sample can be collected from the PIP location.

6.0 Additional Minimum Sampling Considerations

CCDD facilities contacted have indicated a preference for sampling based upon identified PIPs during due diligence and have not requested a minimum sampling frequency based on quantity of material generated at this time. Based on the historical consideration of unknown fill material used throughout the City of Chicago, it is recommended that one soil sample per city block should be analyzed for the Chicago Urban Fill Material parameters (as presented in **Table A-2**) at a minimum. Otherwise, sampling should be conducted as an as needed basis based upon identified PIPs for CCDD purposes. However, industry trends indicate that some CCDD facilities have specific acceptance requirements among which may include minimum total number of samples, frequency-based requirements by volume and/or linear extent of project, mandatory minimum analytical parameters, and/or requirements for age of analytical results. It is recommended that coordination with CCDD facilities occur either 1) prior to sample collection for a review of due diligence and sampling plan or 2) upon completion of LPC-Form documents to seek concurrence for acceptance pre-authorization in advance of construction activities.

7.0 Sampling & Disposal Documentation

CDOT QA and/or 2FM will review the sampling plan to confirm consistency with the requirements outlined in the previous sections of this guidance and unique situations have been resolved. After the plan has been approved by CDOT QA, it will be released to the Design Consultant to conduct the sampling and prepare disposal documentation. Soils collected for metals analysis on CDOT projects, should be analyzed for total concentrations (mg/kg) and compared to the corresponding default MAC value. CCDD regulations allow metals, with the exception of arsenic³, to achieve the MAC values via either total amount (measured in mg/kg) or via Toxicity Characteristic Leaching Procedure (TCLP)/Synthetic Precipitation Leaching Procedure (SPLP) testing (measured in mg/L). Consistent with CCDD regulations, samples that fail the default MAC value comparison for total metals, with the exception of arsenic, should be further analyzed via the TCLP method⁴ for just the metal(s) that fail to achieve the total MAC. If a sample achieves the appropriate MAC value via either the total or TCLP method, then that area is considered suitable for CCDD disposal.

³ The arsenic MAC has been set at 13 mg/kg, which represents the 95th percentile of the upper confidence of the mean, except in non-Metropolitan Statistical Area (MSA) counties where the MAC has been set at 11.3 mg/g. Therefore, approximately 5 percent of all samples tested for arsenic will fail due to naturally occurring arsenic.

⁴ Either the SPLP or TCLP tests are suitable for achieving the MAC if total fails; however, landfills typically ask for TCLP metal results, so TCLP testing should be preferred as it may be required for landfill disposal if the sample does not achieve the MAC via total or TCLP testing.

Once analytical results have been received and soils have been assessed for CCDD eligibility, the Design Consultant/Environmental Professional shall prepare CCDD disposal documentation. CCDD disposal documentation shall be inclusive of LPC Form 663 and sufficient to identify areas of CCDD eligible soils and CCDD exclusion zones (CCDD ineligible soils) as appropriate. If areas excluded from CCDD disposal are identified and time and budget allow, additional sampling can be conducted to minimize these areas and maximize eligibility for CCDD disposal. The CCDD disposal documentation will be submitted to CCDD facilities for pre-approval by either the Design Consultant/Environmental Professional, or by CDOT QA. For CCDD disposal documentation, the following shall be included, at a minimum:

- Illinois Environmental Protection Agency (IEPA) Uncontaminated Soil Certification LPC-663 form⁵, signed and stamped by an Illinois licensed P.E. or P.G.
- Laboratory analytical results with associated tables and figures of sampling locations.
- Narrative description of the Basis for Certification and Attachments, as stipulated and required within 35 IAC 1100.

The completed CCDD disposal documentation should be submitted to at least three (3) area CCDD facilities to request pre-approval. The pre-approval submission shall request written approval from the CCDD facility. Affirmative CCDD pre-approval responses should be included in project bid documents to assist contractors in preparing bids to reduce change orders related to material disposal.

CCDD exclusion zone soils shall be associated with an appropriate landfill disposal profile. Should conditions in the field indicate gross contamination of soil, the material shall be assessed for hazardous characteristics pursuant to the Illinois Administrative Code (IAC) part 722.111. If a listed source of contamination is not known or determined, waste characterization⁶ analyses using the “Code R” list shall be conducted.

Should the CCDD testing results indicate one or more parameters as listed in 40 Code of Federal Regulations (CFR) 261.24 (Table 1, also included in **Appendix D** of the *Regulated Substances SOPs for State and Local Jurisdiction Roadways*) exceed the “20 times rule” for total constituents (in mg/kg), those specific parameters shall be analyzed for via the TCLP method to assess the toxicity characteristic. Additional sampling shall be conducted to delineate the identified areas of contamination exceeding the Maximum Concentration of Contaminants for the Toxicity Characteristic (40 CFR, 261.24, Table 1).

For NCI/CIC, TSM, and other program projects, refer to **Appendix G** (of the *Special Waste SOPs for State and Local Jurisdiction Roadways*) for the Landfill Waste Characterization and Profiling Protocol to provide adequate waste profiling for landfill disposal⁷.

⁵ Per draft City of Chicago CCDD Sampling Policy document, an LPC-662 form is not acceptable for disposal of any city ROW soil. An example LPC-663 form is included in **Appendix B**.

⁶ Landfill waste characterization, commonly known as “Code R” analysis, includes the following parameters: Toxicity Characteristic Leaching Procedure (TCLP) VOCs, TCLP SVOCs, TCLP RCRA metals, TCLP pesticides, TCLP herbicides, PCBs, reactive sulfide, reactive cyanide, paint filter test, flash point, and pH.

⁷ The Neighborhood Capital Improvement (NCI) program and Community Infrastructure Contracts (CIC) programs have historically included multi-year contracts with various construction companies. Based on this, annual landfill profiles for “Chicago urban fill material” are renewed for each contractor, using the Laraway Subtitle D sanitary landfill facility in Joliet, operated by Waste Management (WM).

8.0 Phase III Process

If more than one (1) year has elapsed from the preparation of the LPC-663 form to the beginning of construction, then an update will be required. To update the CCDD document, a new property screening report will need to be requested from CDOT QA. The results of the new property screening should be compared with the original property screening. If no new sites are identified along the project corridor, then the LPC-663 certification should be updated in a letter to reflect the recent property screening. If new sites are identified, then additional sampling at these locations should be conducted. Please note that industry trends indicate that some CCDD facilities require additional laboratory analysis for sample results if more than one (1) year has elapsed since sample collection. Coordination with CCDD facilities is important to identify if updated due diligence is sufficient or if contemporary laboratory analysis is required and a sampling plan may be necessary to supplement the original analyses.

If more than five (5) years have passed since the original sampling, new samples will need to be collected. In this case, a new property screening should be requested from CDOT QA and a new sampling plan prepared and executed for the project.

For CDOT programs similar to NCI and/or CIC, a similar annual landfill profile renewal system can be maintained, provided that updated Code R sample analysis is conducted annually, with the sample collected from material considered generally representative of the overall waste stream to be anticipated in that renewal year and specific to that profile.

Revision History

DATE	PERSON/AUTHOR	REVISION MADE
08/08/2025	(H&H/GZA)	First Draft

APPENDIX F

CCDD/USFO RECEIVING FACILITIES NEAR CHICAGO

CCDD/USFO Facilities Near City of Chicago (Located within IDOT District 1 Boundaries)

Updated: April 9, 2025

Facility Name	Type	Status	BOL#	Address	City	County	Zip Code	Located Within Chicago MSA?	Notes
Reliable Lyons CCDD	CCDD	Closed	0311715020	4226 Lawndale Avenue	Lyons	Cook	60534	Yes	Letter to confirm no new sites (updated database/records search, site visit) required for data > 2 years
Bluff City/Reliable Asphalt Corporation	CCDD	OPEN	0318223004	610 W 183rd Street	Thornton	Cook	60476	Yes	Letter to confirm no new sites (updated database/records search, site visit) required for data > 2 years
Hanson Material Services - Algonquin	CCDD	OPEN	1110055013	10005 IL Route 31	Algonquin	McHenry	60102	Yes	Closure extension for USFO denied. CCDD permit expires May 1, 2029
Meyer Material East Yard 55	USFO	Closed	1114050001	10500 South IL Route 31	Algonquin	McHenry	60102	Yes	
Midwest Aggregates	CCDD	Closed	970055126	28435 West Route 173	Antioch	Lake	60002	Yes	
Thelen Sand and Gravel	CCDD	OPEN	1114200001	28955 West Route 173	Antioch	Lake	60002	Yes	
Heartland Recycling CCDD	CCDD	OPEN	894075963	213 Mettel Road	Aurora	DuPage	60505	Yes	
Gifford East CCDD Unit 1-3	CCDD	Closed	314125046	1395 Gifford Road	Bartlett	Cook	60103	Yes	
47 Acres Southwind Park CCDD	CCDD	Closed	894125007	2250 Southwind Boulevard	Bartlett	Cook	60103	Yes	
Blue Heron Business Park	CCDD	Closed	898075002	23108 West Bartlett Road	Bartlett	Cook	60103	Yes	
Bloomingtondale USFO	USFO	OPEN	0438010002	6N030 Rosedale Avenue	Bloomingtondale	DuPage	60108	Yes	
Elmhurst Chicago Stone Company - Barbers Corners	CCDD	OPEN	1978030002	351 Royce Road	Bolingbrook	DuPage	60440	Yes	
H & H Stone	USFO	OPEN	1978155062	1421 West 135th Street	Bolingbrook	DuPage	60441	Yes	
Carpentersville Facility	CCDD	OPEN	0890205036	800 Bolz Road	Carpentersville	Kane	60110	Yes	
Rio Vista	CCDD	Closed	0316550001	700 East 138th Street	Chicago	Cook	60619	Yes	
Fitzmar Landfill Inc.	CCDD	OPEN	0310450011	28th & East End Avenue	Chicago Heights	Cook	60411	Yes	
Curran/Consolidated Materials	CCDD	OPEN	1118015018	1350 South Virginia Road	Crystal Lake	McHenry	60156	Yes	
American Material Sales	CCDD	OPEN	890255034	590 Healy Road	East Dundee	Kane	60118	Yes	
Beverly Material CCDD	CCDD	OPEN	894250020	32W007 IL Route 72	East Dundee	Kane	60118	Yes	
Beverly Materials	USFO	OPEN	894250020	32W007 IL Route 72	East Dundee	Kane	60118	Yes	
Yard 92	CCDD	OPEN	894250026	590 Healy Road	East Dundee	Kane	60118	Yes	
Palumbo Management CCDD-South	CCDD	OPEN	898065023	951 East Main Street	East Dundee	Kane	60118	Yes	Not eligible to receive material per IDOT Memo
Prairie Materials Elburn Yard 91	CCDD	OPEN	890305044	1 South 398 Lorang Road	Elburn	Kane	60119	Yes	
Elburn-Lorang Road CCDD	CCDD	OPEN	890305068	2S785 Lorang Road	Elburn	Kane	60119	Yes	
Baldmound LLC	USFO	OPEN	890305072	40W234 Fabran Parkway	Elburn	Kane	60119	Yes	
Elgin Clean Soils Fill Site	USFO	OPEN	0318055014	1501 West Bartlett Road	Elgin	Kane	60103	Yes	
Lambrecht Property	CCDD	Closed	0311055032	Glenwood-Dyer/I-394SE	Glenwood	Cook	60425	Yes	
Melms Gravel USFO	USFO	OPEN	898090001	48W760 Melms Road	Hampshire	Kane	60140	Yes	
18N585 Brier Hill Road Co	USFO	OPEN	890455073	18N585 Brier Hill Road	Hampshire	Kane	60140	Yes	
McGuire Road Stone	USFO	OPEN	1118065004	20617 McGuire Road	Harvard	McHenry	60033	Yes	
East Beverly Pit/Beverly Material	USFO	OPEN	0314495082	2600 Beverly Road	Hoffman Estates	Cook	60192	Yes	
Square Barn Quarry USFO	USFO	OPEN	0894350011	19N761 Square Barn Road	Huntley	McHenry	60142	Yes	
Foster Road Quarry	USFO	OPEN	1114350031	11217 Foster Road	Huntley	McHenry	60142	Yes	
Oaks	USFO	OPEN	978995157	34111 North US Highway 12	Ingleside	Lake	60041	Yes	
Chicago Street CCDD LLC	CCDD	OPEN	1970455178	1127 South Chicago Street	Joliet	Will	60436	Yes	
Richards Street CCDD	CCDD	OPEN	1974450034	800 South Richards Street	Joliet	Will	60433	Yes	
Richards Street Quarry USFO	USFO	OPEN	1974450034	800 South Richards Street	Joliet	Will	60435	Yes	
DeBe Land Development Inc. Quarry	Permit terminated	Permit terminated	1978095150	1450 South Brandon Road	Joliet	Will	60436	Yes	
Black Forest-Zurich	USFO	OPEN	1978095227	1413 Cecelia Avenue	Joliet	Will	60436	Yes	
FJV Development	CCDD	Closed	1978175017	3210 Mound Road	Joliet	Will	60436	Yes	
Rowell Avenue CCDD	CCDD	OPEN	1978215019	512 Rowell Avenue	Joliet	Will	60433	Yes	
Lake in the Hill CCDD	CCDD	OPEN	1110405067	Pingree-Virginia Road	Lake in the Hills	McHenry	60156	Yes	
Peterson Sand & Gravel-McHenry	CCDD	OPEN	1110600018	914 West IL Route 120	Lakemoor	McHenry	60050	Yes	
Lakemoor Materials	CCDD	OPEN	1114450003	1205 West Route 120	Lakemoor	McHenry	60051	Yes	
Village of Lynwood	CCDD	Closed	0311685020	21460 East Lincoln Highway	Lynwood	Cook	60411	Yes	
Reliable Lyons CCDD	CCDD	Closed	0311715020	4226 Lawndale Avenue	Lyons	Cook	60534	Yes	
Prairie Material Sales Yard 90 CCDD	CCDD	OPEN	1110655054	8293 South IL Route 23	Marengo	McHenry	60152	Yes	
Marengo Quarry Facility	CCDD	OPEN	1118155009	8920 South IL Route 23	Marengo	McHenry	60152	Yes	
Hanson Material Services Yard 585	CCDD	OPEN	0311745012	9101 West 47th	McCook	Cook	60525	Yes	Facility will not accept "Chicago Urban Fill" regardless of screening/MAC results
Vulcan Construction Materials	CCDD	OPEN	0311745029	5500 East Joliet Road	McCook	Cook	60525	Yes	Requires delineation to be from clean boring to clean boring (rather than mid-point approach)
McHenry Sand and Gravel CCDD	CCDD	OPEN	1110605175		McHenry	McHenry		Yes	
Reliable Sand & Gravel CCDD	CCDD	OPEN	1118115015	2121 South River Road	McHenry	McHenry	60050	Yes	
Superior Asphalt Materials	CCDD	OPEN	890605075	216 Butterfield Road	North Aurora	Kane	60542	Yes	
Geneva Construction Company	CCDD	Closed	890605075	216 Butterfield Road	North Aurora	Kane	60542	Yes	
Willco Green CCDD (a.k.a. EF Heil)	CCDD	OPEN	1970805144	12152 South Naperville Road	Plainfield	Will	60585	Yes	
Vulcan Bolingbrook Quarry A&B	CCDD	OPEN	1978200006	22933 W Hassert Boulevard	Plainfield	Will	60585	Yes	Resumed CCDD acceptance on April 26, 2024
Richton Park CCDD	CCDD	OPEN	0311800001	22100 South Central Avenue	Richton Park	Cook	60471	Yes	
Hanson Material Services Yard 588	CCDD	OPEN	1970900001	125 North Independence	Romeoville	Will	60446	Yes	
Orange Crush LLC	CCDD	Closed	1970905104	1001 North Independence Boulevard	Romeoville	Will	60446	Yes	
Willow Ranch CCDD Facility	CCDD	OPEN	1970905141	1371 North Joliet Road	Romeoville	Will	60446	Yes	
Central Blacktop Company Inc.	CCDD	Closed	890805023	900 North La Fox Street	South Elgin	Kane	60177	Yes	
Lafarge Fox River Stone CCDD	CCDD	OPEN	890805051	7N394 South McLean Boulevard	South Elgin	Kane	60177	Yes	
Raymond Street CCDD	CCDD	OPEN	890805066	1400 IL Route 25	South Elgin	Kane	60120	Yes	
Middle Street CCDD	CCDD	Closed	0894125006	1155 West Middle Street	South Elgin	Kane	60177	Yes	
Thornton CCDD	CCDD	Closed	0313095034	5 Derby Road	Thornton	Cook	60476	Yes	
Hanson Material Services -Thornton Quarry	CCDD	OPEN	0313095040	620 West 183rd Street	Thornton	Cook	60476	Yes	
Ridge Road CCDD	CCDD	OPEN	0318223004	301 Ridge Road	Thornton	Cook	60430	Yes	
Berger Excavating East Pit	USFO	OPEN	0978145010	1206 N. Garland Road	Wauconda	Lake	60084	Yes	

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- Notes:**
- The user of this list shall confirm with the Illinois Environmental Protection Agency that the facility has an active permit. A current list of permitted CCDD and USFO facilities can be found at the IEPA website: <https://epa.illinois.gov/topics/waste-management/waste-disposal/ccdd.html>
 - This list shall be maintained by CDOT and updated annually.

APPENDIX H

REPORT FORMAT – ENVIRONMENTAL INVESTIGATION

APPENDIX H

REPORT FORMAT FOR ENVIRONMENTAL INVESTIGATION

CDOT LOCAL ROADWAY PROJECTS

Purpose: The purpose of this document is to provide a standard report format and structure for **Local** roadway and/or alley projects for the City of Chicago Department of Transportation (CDOT). The report structure is intended to be a combined and streamlined package report which includes elements of a Preliminary Environmental Site Assessment (PESA) report, Preliminary Site Investigation (PSI) report and a Clean Construction or Demolition Debris (CCDD) summary report with accompanying Illinois Environmental Protection Agency (IEPA) Uncontaminated Soil Certification LPC-663 form to standardize testing procedures for waste material designated for disposal at a CCDD/Uncontaminated Soil Fill Operation (USFO) facility, and/or a landfill facility. This combined report is intended for only local roadway projects and is not intended to replace Illinois Department of Transportation (IDOT) requirements for state jurisdiction roadway projects.

Owner: The document was prepared with input from CDOT and will be maintained by the CDOT Quality Assurance (QA) consultant for Regulated Substances (referred to herein as “CDOT QA”).

Effective Date: August 8, 2025

TITLE PAGE

- (Draft/Final) Preliminary Site Assessment and Investigation Report
- Project Details
- Date

EXECUTIVE SUMMARY

- Overview of the project information including Project Name, street/alley names within the project area, bounding street names, project coordinates, anticipated depth of proposed excavation, etc.
- Purpose of investigation, which should include identification of Potentially Impacted Properties (PIPs), advancement of environmental borings, characterization of soil through collection of environmental samples, and comparison to the Maximum Allowable Concentrations (MACs) for ultimate disposal at a Clean Construction or Demolition Debris (CCDD) or Uncontaminated Soil Fill Operation (USFO) facility.
- Overview of the date of investigation (site reconnaissance and soil boring advancements), number of borings advanced, and depth of environmental investigation sampling activities.
- Overview of soil samples collected, laboratory, and analytical methods.
- Summary of Soil Disposal Classifications for the Project Area spoils using the IDOT Standard Specifications for Road and Bridge Construction, Section 669.05 (Removal and Disposal of Regulated Substances – Contaminated Soil and/or Groundwater Management and Disposal).
- Conclusions and recommendations.

Tables summarizing the identified sites, sample analytical summary, and Soil Disposal Classifications can be included in this section.

1.0 INTRODUCTION

1.1 Scope of Assessment

- Overview of the project information including Project Name, street/alley names within the project area, bounding street names, project coordinates, anticipated depth of proposed excavation, etc.
- Purpose of investigation, which should include identification of Potentially Impacted Properties (PIPs), advancement of environmental borings, characterization of soil through collection of environmental samples, and comparison to the Maximum Allowable Concentrations (MACs) for ultimate disposal at a Clean Construction or Demolition Debris (CCDD) or Uncontaminated Soil Fill Operation (USFO) facility

1.2 Proposed Improvements

- A description of the proposed CDOT project improvements.

1.3 Surrounding Land Use

- A brief description of current land use of properties adjacent to the Project Area/Corridor.

2.0 HISTORICAL LAND USE

2.1 Historical Aerial Photographs and Topographic Maps (Optional)

- Discussion of either publicly available historical aerial photographs or aerial photographs obtained through a third-party company. Descriptions should be detailed enough to convey a general use of the surrounding properties and their approximate duration of development (i.e. residential, commercial, industrial).

2.2 Fire Insurance Maps

- Provide information from the review of Fire Insurance Maps (FIMs), if available and applicable for the Project Area/Corridor.

3.0 PROJECT SITES

3.1 Records Search

- Summary and description of the method of reviewing environmental database records and a summary of the identified sites, including which sites are considered to be PIPs (in tabular format).
- A brief description of the identified PIPs.

3.2 Site Reconnaissance

- A brief description of site reconnaissance activities along the Project Area/Corridor.

4.0 SUBSURFACE INVESTIGATION

4.1 Field Assessment

- Provide overview and details of date of subsurface investigation(s), driller, drilling method, depth of borings advanced, soil logging/screening methodology, and analytical summary of parameters/contaminants of concern. Analytical summary can be provided in a table indicating the parameters analyzed for each sample collected.

4.2 Screening Results

- Provide results of sample screening and logging, which shall include monitoring/screening with a photoionization detector (PID) for presence of volatile organic compounds (VOCs), as well as screening of odors or staining/sheen within the samples.
- Provide screening of potential waste items/debris within the “Chicago urban fill” material. Typical waste/debris items identified within the urban fill material include coal, cinders, slag, glass, plastics, wood, and others. Provide screening results within attached boring logs. Boring logs shall contain, at a minimum, boring identification, drilling contractor, drilling method, boring diameter, date of boring advancement, soil material descriptions by depth, PID screening results, and material recovery for each boring interval.

5.0 ANALYTICAL RESULTS

- Provide analytical results for each sample in tabular format, as well as a brief discussion of results for each analytical suite. Results shall be compared to, at a minimum, the MACs for CCDD/USFO disposal and the Tier I Soil Remediation Objectives (SROs) for Construction Worker (CW) exposure pathway (Ingestion or Inhalation), pursuant to 35 Illinois Administrative Code (IAC) Part 742 Tiered Approach to Corrective Action Objectives (TACO).

6.0 CONCLUSIONS AND SOIL MANAGEMENT RECOMMENDATIONS

6.1 CCDD and Soil Disposal Classification Assessment

- Summary of Soil Disposal Classifications for the Project Area spoils using the CDOT SP 202-2 EARTH EXCAVATION (SOIL TO CCDD FACILITY, USFO, OR LANDFILL) soil management specifications.
- Soil Disposal Classifications can be provided in tabular format and shall include each boring area within the Project Area/Corridor, with each boring sample depth interval specified.
- Provide a brief description of areas which are ineligible for CCDD/USFO disposal and the recommended disposal destination.

6.2 Special Handling or Construction Worker Considerations

For samples/areas in which soil results indicate one or more parameters exceed the Tier I SROs for CW exposure pathway (Ingestion or Inhalation), provide a summary and description of those sample result(s) and area(s).

RECOMMENDED REPORT ATTACHMENTS

- LPC 663 FORM CERTIFICATION (Signed by a P.E. or P.G. registered and licensed in the State of Illinois)
- FIGURES
 - Site Location Map (on a topographic map)
 - Site Layout Map (on an aerial photograph)
 - Identified Sites Map (on an aerial photograph)
 - Soil Boring Location Map on an aerial photograph)
 - Soil Classification Map (on an aerial photograph)
 - Construction Worker Caution Area Map, as applicable (on an aerial photograph)
- TABLES
 - Comparison of analytical results to the CCDD MACs and the Tier I SROs
- LABORATORY ANALYTICAL REPORT(S)
- BORING LOGS
- PHOTOGRAPHIC LOG AND/OR FIELD NOTES
- SUPPLEMENTAL INFORMATION AS NEEDED (e.g., Health and Safety or Dust Monitoring Information)