David Szymanski - 1055 Genesee St Site - Excavation Work Plan

From: Nathan Munley <NMunley@benchmarkturnkey.com>
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Date: 3/24/2011 3:47 PM
Subject: 1055 Genesee St Site - Excavation Work Plan
CC: Mike Lesakowski <MLesakowski@benchmarkturnkey.com>
Attachments: 1055 Genesee St - Excavation Work Plan.pdf

Gentlemen,
As you are aware, 1055 Genesee Street, LLC is in the process of purchasing the former NOCO #S-41 Site (C915211). In accordance with the Site Management Plan (Dec 2009), an Excavation Work Plan (i.e. Notification) has been prepared for the redevelopment activities. Note that the full SMP was not attached in the electronic file to reduce the size of the attachment.

Will you require a hard copy? If so, let me know and we will get it over to you.

If you have any questions, please contact Mike Lesakowski or myself
Regards
Nate

Nathan T. Munley
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EXCAVATION WORK PLAN

1055 GENESEE STREET SITE
BUFFALO, NEW YORK

BROWNFIELD CLEANUP PROGRAM SITE NO. C9152165

March 2011 0226-001-300

Prepared for:

1055 Genesee Street, LLC

EXCAVATION WORK PLAN

1055 Genesee Street Site
Buffalo, New York

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1055 Genesee Street Site
Buffalo, New York

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1.0 INTRODUCTION

This document presents the proposed scope of work and implementation procedures for completion of redevelopment activities in accordance with the New York State Department of Environmental Conservation (NYSDEC or Department) approved Site Management Plan (SMP) for the cleaned up Brownfield Cleanup Program (BCP) Site (C915211).

1055 Genesee Street, LLC has entered into a purchase agreement with NOCO Energy Corporation (NOCO), and plans to purchase the property and redevelop the Site for commercial use. A Notice of Change of Use was submitted on Jan 12, 2011 and acknowledged by the Department on January 24, 2011. Notice of Transfer of Certificate of Completion (COC) will be completed within the specified timeframe upon completion of sale agreement between NOCO and 1055 Genesee Street, LLC. This excavation notification is being submitted in accordance with the Department's approved SMP, dated December 2009 (included electronically within Appendix B).

1.1 Background

The completed environmental remediation of the Site was undertaken by NOCO, which executed a Brownfield Cleanup Agreement (BCA) with the NYSDEC in July 2007. A Remedial Investigation/Alternatives Analysis Report/Interim Remedial Measures (RI/AAR/IRM) Work Plan was approved by the Department in November 2007, and RI/IRM activities were completed at the Site in June 2009. Based on the Alternatives Analysis (AA) evaluation, it was concluded that the IRM, together with implementation of a SMP, satisfied the remedial action objectives and is protective of human health and the environment, and was selected as the final remedial approach for the NOCO #S-41 Site. The NYSDEC issued a COC for the Site on December 24, 2009.

1.2 Purpose

The purpose of this work plan is to notify the NYSDEC of intrusive activities that that are anticipated to encounter the remaining contamination on-Site during redevelopment activities. This work plan has been prepared in accordance with the Department's approved SMP (December 2009) and NYSDEC DER-10 (May 2010).

All intrusive activities will comply with the existing SMP, which includes the Excavation Work Plan (EWP); and in accordance with 29 CFR 1910.120.

1.3 Project Schedule

A tentative project schedule is presented below.

- **April-May 2011** – Demolition of the existing building, excavation for building footers and utilities, and site grading
- **June-July 2011** – Construction of new building, preparation and completion of asphalt and concrete parking areas and walkways
- **August 2011** – Construction complete
- **September-October 2011** – Preparation of Construction Closeout Report, in association with Periodic Review Report (PRR)

2.0 SITE DESCRIPTION

2.1 General

The site is located in the City of Buffalo, County of Erie, New York and is identified as 1055 Genesee Street (SBL# 100.76-5-1) on the Erie County Tax Map. The site is an approximately 0.73-acre parcel located at the corner of Genesee Street and Fillmore Avenue (see Figures 1 and 2 of the SMP, attached). The overall redevelopment site also includes 1067 Genesee Street, which was not subject to the BCP cleanup.

2.2 Site History

The site was used as a gasoline service station from approximately 1950 until 2007. Based on City of Buffalo permits and NYSDEC records reviewed, previous gas station owner/operators on-Site included Gulf Oil Corporation, Northeast Stations, Inc. and Cumberland Farms. NOCO became the site owner in approximately 1993. The Site is currently improved with one building, which is the former convenience store building.

2.3 Summary of Remedial Actions

The site was remediated in accordance with the NYSDEC-approved RI/AAR/IRM Work Plan dated November 2007. The following is a summary of the Remedial Actions performed at the site:

- Removal of three 8,000-gallon fiberglass-reinforced plastic gasoline USTs, four product dispensers and associated underground product piping, and demolition of the product dispenser canopy. Approximately 1,054-gallons of gasoline/water mixture was extracted from the USTs and disposed off-site.
- Excavation of approximately 1,212 tons of non-hazardous petroleum-impacted soil/fill followed by off-site transportation and disposal at Modern Landfill in Model City, New York. The excavation in the product dispenser island area was completed to approximately four (4) fbgs and the excavation in the UST area was completed to approximately 12 fbgs. Fifteen post-excavation confirmation samples were collected and analyzed for NYSDEC STARS List VOCs, semi-volatile organic compounds (SVOCs), and lead; all

post-excavation soil sample results were below 6NYCRR Part 375 Commercial Soil Cleanup Objectives (SCOs). Extraction and treatment of approximately 17,790-gallons of groundwater from the excavation during remediation activities. The treated water was discharged to the City of Buffalo Municipal Sewer with permission from the Buffalo Sewer Authority.

- Placement and compaction of approximately 1,431 tons of 2" crusher run stone backfill from the Buffalo Crushed Stone, Inc. quarry in Lancaster, NY to pre-existing grade.
- Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the site.

2.3.1 Remaining Contamination

The contamination remaining at the Site which may be encountered during redevelopment activities include certain SVOCs, xylene, certain pesticides and certain metals that exceed the Track 1 (unrestricted) SCOs as summarized in Table 2. A summary of the environmental conditions in the planned work areas is discussed in Section 3.3 below.

3.0 REDEVELOPMENT ACTIVITIES

1055 Genesee Street, LLC plans to redevelop the Site for commercial use by constructing an approximately 10,000 sq-ft retail store and associated parking areas. The redevelopment plans include activities on the adjoining 1067 Genesee Street parcel; however this work plan has been prepared specifically for the 1055 Genesee Street BCP Site. The prepared construction drawings (James A. Rumsey, Architect; et al.) including site plan, demolition plan, utility plan, and grading plan are attached.

3.1 Site Preparation

3.1.1 Utility Clearance

Dig Safely New York (Call 811) will be contacted by the site contractor a minimum of three business days in advance of the work and informed of the intent to perform excavation work at the Site.

3.1.2 City of Buffalo Permits

The site redevelopment contractor will acquire the necessary City of Buffalo demolition, building and utility permits prior to initiation of the associated phase of the redevelopment.

3.1.3 Building Demolition

Prior to intrusive redevelopment activities, the existing former convenience store building will be demolished. The existing asphalt will be removed and recycled at an approved off-site facility.

3.2 Waste Characterization

Soil/fill waste characterization samples will be collected and analyzed prior to off-site disposal at a permitted disposal facility. Waste characterization samples will be analyzed for toxicity characteristic leaching procedure (TCLP) VOCs, TCLP SVOCs, TCLP metals, ignitability, reactivity and pH to allow for landfill disposal approval.

3.3 Excavation Activities

Planned excavations related to building foundation and on-Site utilities are expected to reach a depth of approximately 4-6 feet below ground surface (fbgs). Groundwater is not expected to be encountered, as depth varies across the site from 8-12 fbgs. If groundwater is encountered, it will be handled in accordance with the SMP.

3.3.1 Building Excavation

Excavation activities related the building redevelopment will be partially located in areas of the Site which were previously excavated and remediated as part of the IRMs completed. The building foundation excavation and utility excavations in the northern portion of the Site will overlap the UST excavation area and Pump island excavation area.

During the IRM, the UST excavation area was excavated to a depth of approximately 12-14 fbgs, and the pump island area was excavated to a depth of approximately 4-5 fbgs. Post-excavation confirmatory sampling (see RI/AAR/IRM Table 1, attached) indicates that the remedial excavations were able to achieve Unrestricted SCOs, with the minor exceptions for xylene and lead. All post-excavation confirmatory samples were below Commercial SCOs. However, elevated polycyclic aromatic hydrocarbons (PAHs) were noted in a nearby boring (BCP MW-4). The proposed building location does not disturb sub-surface soils in the vicinity of BCP MW-4, though surface grading is planned. The remedial excavations were backfilled with approved 2" crusher run stone from Buffalo Crushed Stone, Wehrle Drive to existing grade.

The southern extent of the planned building foundation excavation will impact areas of the Site which did not require remediation. Based on the findings of the RI, analytical results were all below Unrestricted SCOs, with the exception of select metals; all results were below Commercial SCOs.

3.4 Excavated Material

Excavated material is planned for off-site disposal at Modern Landfill, Model City, NY. Landfill disposal documents, including the application, approval letter, and weight manifests will provided to the Department.

3.5 Backfill Materials

3.5.1 Soil

Imported soil backfill must meet the criteria of Table 3, as well as the following criteria:

- Off-site soil/fill will originate from known sources having no evidence of disposal or releases of hazardous substances, hazardous, toxic or radioactive wastes, or petroleum.
- No off-site materials meeting the definition of a solid waste as defined in 6NYCRR, Part 360-1.2(a) shall be used as backfill.

3.5.1.1 Soil Characterization Requirements

In addition to the above criteria, all backfill materials will be subject to the following characterization requirements:

- Off-site material will be sampled according to the following schedule:
  - 1 composite per 500 cubic yards of soil for the first 1,000 cubic yards
  - 1 composite per 1,000 cubic yards of soil thereafter.

Each composite will be comprised of a minimum of three grab samples (samples for VOC analysis will be collected as individual grabs in lieu of composites). Samples will be analyzed for the following constituents in accordance with USEPA SW-846 methodology:

- Target Compound List (TCL) VOCs - Method 8260B
- TCL SVOCs - Method 8270C
- TCL Organochlorine Pesticides and PCBs - Method 8081A/8082
- TAL Metals – Method 6010B
- Cyanide - Method 9013
- Herbicides – Method 8051A

Only materials that contain concentrations of these organic compounds and metals at or below concentrations on Table 3 will be used. Characterization testing for off-site sources will be performed by an independent, NYSDOH ELAP-approved laboratory.

3.5.2 Sub-grade Stone

Two (2) potential sources of off-site sub-grade backfill material are listed below. In accordance with DER-10, Section 5.4(e)(5)(i and ii), the sources will not require chemical testing.

- 2" Run of Crush – Buffalo Crushed Stone, Wehrle Pit. Laboratory Test Report, dated February 8, 2011, confirming compliance with sieve No. 80 size requirements is included in Appendix A.

- 2" Recycled Concrete – Swift River Associates, Inc. NYSDEC BUD #278-9-15, and recent NYSDOT "Granular Material Documentation Forms" are included in Attachment A.

4.0 EXCAVATION WORK PLAN SUPPORT DOCUMENTS

During intrusive activities, a copy of the SMP, including the EWP, will be located on-Site.

4.1 Health and Safety Protocols

TurnKey Environmental Restoration has prepared a Site-Specific Health and Safety Plan (HASP) for use by our employees in accordance with 40 CFR 300.150 of the NCP and 29 CFR 1910.120. The HASP, provided in Appendix B of the SMP, includes the following site-specific information:

- A hazard assessment.
- Training requirements.
- Definition of exclusion, contaminant reduction, and other work zones.
- Monitoring procedures for site operations.
- Safety procedures.
- Personal protective clothing and equipment requirements for various field operations.
- Disposal and decontamination procedures.

The HASP also includes a contingency plan that addresses potential site-specific emergencies, and a Community Air Monitoring Plan that describes required particulate and vapor monitoring to protect the neighboring community during intrusive activities.

5.0 REPORTING

Upon completion of the redevelopment activities, a comprehensive report will be completed summarizing the tasks completed as described below.

5.1.1 Construction Monitoring

Standard daily reporting procedures will include preparation of a daily report and, when appropriate, problem identification and corrective measures reports. Information that may be included on the daily report form includes:

- Processes and locations of construction under way.
- Equipment and personnel working in the area, including subcontractors.
- Number and type of truckloads of soil/fill removed from the site.
- A description of off-site materials received, if any

The completed reports will be included as part of the Construction Closeout Report. The NYSDEC will be promptly notified of problems requiring modifications to this Work Plan prior to proceeding or completion of the construction item.

Photo documentation of the intrusive activities will be prepared by TurnKey throughout the duration of the project as necessary to convey typical work activities and whenever changed conditions or special circumstances arise.

5.1.2 Construction Closeout

A summary of the construction will be included in the report submitted to the NYSDEC, in association with the Periodic Review Report (PRR). The report will include:

- A Site or area planimetric map showing the parcel;
- Summaries of unit quantities, including: volume of soil/fill excavated; disposition of excavated soil/fill; and volume/type/source of backfill.
- Text describing that the excavation activities were performed in accordance with this Work Plan.

6.0 REFERENCES

1. New York State Department of Environmental Conservation. *Draft DER-10; Technical Guidance for Site Investigation and Remediation.* December 2002.

2. Benchmark Environmental Engineering & Science, PLLC. *Remedial Investigation/ Interim Remedial Measures Report for Brownfield Cleanup Program, NOCO #S-41 Site, Buffalo, New York. Revised July 2009*.

3. Benchmark Environmental Engineering & Science, PLLC. *Final Engineering Report for Brownfield Cleanup Program, NOCO #S-41 Site, Buffalo, New York. December 2009*.

4. Benchmark Environmental Engineering & Science, PLLC. *Site Management Plan for Brownfield Cleanup Program, NOCO #S-41 Site, Buffalo, New York. December 2009*.

TABLES

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 1
POST-EXCAVATION SOIL ANALYTICAL DATA SUMMARY

NOCO SITE #S-41
1055 GENESEE STREET
BUFFALO, NEW YORK

Parameter [1]	Sample Locations															Commercial SCOs [3] (ppm)	Unrestricted SCOs [3] (ppm)
	UST Area					Pump Island Area							Product Piping				
	UST 1- S1	UST 1-S2	UST 1-S3	UST 1-S4 [2]	UST 1-F1	PI-S1	PI-S2	PI-S3	PI-S4	PI-S5	PI-F1	PI-F2	Pipe 1	Pipe 2	Pipe 3		
STARS List Volatile Organic Compounds (VOCs) - mg/kg [4]																	
Benzene	ND	0.001 J	ND	ND	ND	ND	0.059	ND	0.002 J	ND	ND	ND	0.014	0.02	0.008	**44**	**0.06**
Ethylbenzene	ND	0.028	ND	ND	ND	ND	0.31	ND	0.002 J	ND	ND	0.012	0.068	0.087 DJ	0.08	**390**	**1**
Isopropylbenzene (Cumene)	ND	0.004 J	ND	ND	ND	ND	0.14	ND	0.003 J	ND	ND	0.007	0.01	0.042	0.012	**--**	**--**
n-Butylbenzene	ND	0.014	ND	0.002 J	ND	ND	0.25	ND	0.001 J	ND	ND	0.016	0.016	0.08	0.018	**500**	**12**
n-Propylbenzene	ND	0.016	ND	ND	ND	ND	0.58	ND	0.006	ND	ND	0.035	0.044	0.19	0.045	**500**	**3.9**
p-Cymene (p-isopropyltoluene)	ND	ND	ND	ND	ND	ND	0.02 J	ND	ND	ND	ND	ND	0.001 J	0.006	0.003 J	**--**	**--**
sec-Butylbenzene	ND	0.003 J	ND	ND	ND	ND	0.055	ND	ND	ND	ND	0.009	0.004 J	0.018	0.004 J	**500**	**11**
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**500**	**5.9**
1,2,4-Trimethylbenzene	ND	0.12	0.003 J	0.005 J	ND	0.001 J	0.16 D	ND	0.026	ND	ND	0.044	0.14	0.35 D	0.15	**190**	**3.6**
1,3,5-Trimethylbenzene	ND	0.036	ND	0.001 J	ND	ND	0.38	ND	0.006	ND	ND	ND	0.035	0.12 DJ	0.048	**190**	**8.4**
Total Xylene	ND	0.07	ND	ND	ND	ND	0.42	ND	0.013 J	ND	ND	0.007 J	0.093	0.13 DJ	0.09	**500**	**0.26**
Methyl tert butyl ether (MTBE)	0.037	0.04	0.18	0.5 D	0.35 D	0.002 J	ND	ND	ND	ND	0.006	ND	0.012	0.12	0.028	**190**	**0.93**
Toluene	ND	ND	ND	ND	ND	0.001 J	0.009 J	ND	ND	ND	ND	0.003 J	0.003 J	0.004 J	0.002 J	**500**	**0.7**
Total VOCs	0.037	0.332	0.183	0.508	0.35	0.004	2.383	0	0.059	0	0.006	0.133	0.44	1.167	0.488	**--**	**--**
STARS List Semi-Volatile Organic Compounds (SVOCs) - mg/kg																	
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**500**	**100**
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18 J	ND	ND	ND	ND	ND	**500**	**20**
Anthracene	ND	ND	ND	ND	ND	0.04 J	ND	0.016 J	ND	0.095 J	ND	ND	ND	ND	ND	**500**	**100**
Benzo(a)anthracene	ND	ND	ND	ND	0.0064 J	0.11 J	0.022 J	0.076 J	0.13 J	0.5	0.0081 J	ND	ND	ND	ND	**5.6**	**1**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	0.11 J	0.023 J	0.076 J	0.098 J	0.56	ND	ND	ND	ND	ND	**5.6**	**1**
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	0.028 J	0.011 J	0.026 J	ND	0.16 J	ND	ND	ND	ND	ND	**56**	**0.8**
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	0.058 J	0.02 J	0.046 J	0.06 J	0.34 J	ND	ND	ND	ND	ND	**500**	**100**
Benzo(a)pyrene	ND	ND	ND	ND	ND	0.085 J	0.02 J	0.064 J	0.092 J	0.45	ND	ND	ND	ND	ND	**1**	**1**
Chrysene	ND	ND	ND	ND	ND	0.098 J	0.021 J	0.065 J	0.11 J	0.42	ND	ND	ND	ND	ND	**56**	**1**
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	0.02 J	ND	0.011 J	ND	0.1 J	ND	ND	ND	ND	ND	**0.56**	**0.33**
Fluoranthene	ND	ND	ND	ND	ND	0.22	0.034 J	0.12 J	0.18 J	0.82	ND	ND	ND	ND	ND	**500**	**100**
Fluorene	ND	ND	ND	ND	ND	0.02 J	ND	ND	ND	0.021 J	ND	ND	ND	ND	ND	**500**	**30**
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	0.048 J	0.015 J	0.043 J	0.052 J	0.3 J	ND	ND	ND	ND	ND	**5.6**	**0.5**
Naphthalene	ND	0.012 J	ND	ND	ND	ND	0.012 J	0.0082 J	ND	0.04 J	ND	ND	0.074 J	0.13 J	0.036 J	**500**	**12**
Phenanthrene	ND	ND	0.0064 J	ND	0.0061 J	0.19 J	0.023 J	0.074 J	0.13 J	0.41	ND	ND	ND	ND	ND	**500**	**100**
Pyrene	ND	ND	ND	ND	ND	0.2 J	0.028 J	0.11 J	0.16 J	0.67	ND	ND	ND	ND	ND	**500**	**100**
Total SVOCs	0	0.012	0.0064	0	0.0125	1.227	0.229	0.7352	1.012	5.066	0.0081	0	0.074	0.13	0.036	**--**	**--**
Total Lead - mg/kg																	
Lead	13.2	14.7	12.5	11.3	11.3	275	25.3	32.5	198	94.3	15.3	20.7	23.4	12.6	14.5	**1000**	**63**

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Blind Duplicate was taken on UST 1-S4.
3. Values per NYSDEC Part 375 Soil Cleanup Objectives (December 2006).
4. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparison to SCOs.

Definitions:

ND = Parameter not detected above laboratory detection limit.
NA = Sample not analyzed for parameter.
"--" = No SCO available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
D = All compounds were identified in an analyisis at the secondary dilution factor.
Exceeds NYSDEC Part 375 SCOs for Unrestricted standards

TABLE 2 - EWP
RI/IRM SOIL ANALYTICAL DATA SUMMARY
ANALYTES ABOVE NYSDEC PART 375 UNRESTRICTED SOIL CLEANUP OBJECTIVES

SITE MANAGEMENT PLAN
NOCO #S-41 SITE
1055 GENESEE STREET
BUFFALO, NEW YORK

Parameter	Sample Locations										Unrestricted SCOs [1] (ppm)
	BCP MW-1 (0-5')	BCP MW-2 (0-2')	BCP MW-3 (0-4')	BCP MW-4 (0-4')	BCP MW-5 (0-4')	BCP MW-6 [2] (0-4')	PI-S1	PI-S2	PI-S4	PI-S5	
Volatile Organic Compounds (VOCs) - mg/kg											
Total Xylene	0.013 J	ND	ND	ND	ND	ND	ND	**0.42**	0.013 J	ND	**0.26**
Semi-Volatile Organic Compounds (SVOCs) - mg/kg											
Benzo(a)anthracene	**1.8 J**	0.52 J	NA	**8.2**	NA	NA	0.11 J	0.022 J	0.13 J	0.5	**1**
Benzo(b)fluoranthene	ND	0.58 J	NA	**8.9**	NA	NA	0.11 J	0.023 J	0.098 J	0.56	**1**
Benzo(k)fluoranthene	ND	0.23 J	NA	**3.5 J**	NA	NA	0.028 J	0.011 J	ND	0.16 J	**0.8**
Benzo(a)pyrene	ND	0.48 J	NA	**7.2**	NA	NA	0.058 J	0.02 J	0.06 J	0.34 J	**1**
Chrysene	ND	0.53 J	NA	**7.9**	NA	NA	0.098 J	0.021 J	0.11 J	0.42	**1**
Dibenzo(a,h)anthracene	ND	0.1 J	NA	**1.5 J**	NA	NA	0.02 J	ND	ND	0.1 J	**0.33**
Indeno(1,2,3-cd)pyrene	ND	0.32 J	NA	**5**	NA	NA	0.048 J	0.015 J	0.052 J	0.3 J	**0.5**
PCBs/Pesticides- mg/kg											
4,4'-DDD	**0.14 J**	ND	NA	ND	NA	NA	NA	NA	NA	NA	**0.0033**
4,4'-DDE	**0.1 J**	ND	NA	ND	NA	NA	NA	NA	NA	NA	**0.0033**
4,4'-DDT	**0.17 J**	ND	NA	**0.11 J**	NA	NA	NA	NA	NA	NA	**0.0033**
TAL Metals - mg/kg											
Lead	37.2 N J	**129 N J**	**66 N**	**337 N J**	**493 N**	**130**	**275**	**25.3**	**198**	**94.3**	**63**
Mercury	ND	**0.231**	NA	**1.2**	NA	NA	NA	NA	NA	NA	**0.18**
Zinc	23.8	**122**	NA	**351**	NA	NA	NA	NA	NA	NA	**109**

Notes:

1. Values per NYSDEC Part 375 Soil Cleanup Objectives (December 2006)

Definitions:

ND = Parameter not detected above laboratory detection limit.
NA = Sample not analyzed for parameter.
N = Indicates spike sample recovery is not within the quality control limits.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.

BOLD = Result exceeds Part 375 unrestricted SCO.

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TABLE 3 - EWP

CRITERIA FOR USE OF OFF-SITE SOIL

NOCO #S-41 Site
Buffalo, New York

Parameter	Allowable Cconcentration of Imprted Soil/Fill
Volatile Organic Compounds (mg/kg)	
1,1,1-Trichloroethane	0.68
1,1-Dichloroethane	0.27
1,1-Dichloroethene	0.33
1,2-Dichlorobenzene	1.1
1,2-Dichloroethane	0.02
1,2-Dichloroethene(cis)	0.25
1,2-Dichloroethene(trans)	0.19
1,3-Dichlorobenzene	2.4
1,4-Dichlorobenzene	1.8
1,4-Dioxane	0.1
Acetone	0.05
Benzene	0.06
Butylbenzene	12
Carbon tetrachloride	0.76
Chlorobenzene	1.1
Chloroform	0.37
Ethylbenzene	1
Hexachlorobenzene	3.2
Methyl ethyl ketone	0.12
Methyl tert-butyl ether	0.93
Methylene chloride	0.05
Propylbenzene-n	3.9
Sec-Butylbenzene	11
Tert-Butylbenzene	5.9
Tetrachloroethene	1.3
Toluene	0.7
Trichloroethene	0.47

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 3 - EWP

CRITERIA FOR USE OF OFF-SITE SOIL

NOCO #S-41 Site
Buffalo, New York

Parameter	Allowable Cconcentration of Imprted Soil/Fill
Volatile Organic Compounds (mg/kg)	
Trimethylbenzene-1,2,4	3.6
Trimethylbenzene-1,3,5	8.4
Vinyl chloride	0.02
Xylene (mixed)	1.6
Semi-Volatile Organic Compounds (mg/kg)	
Acenaphthene	98
Acenaphthylene	107
Anthracene	500
Benzo(a)anthracene	1
Benzo(a)pyrene	1
Benzo(b)fluoranthene	1.7
Benzo(g,h,i)perylene	500
Benzo(k)fluoranthene	1.7
Chrysene	1
Dibenz(a,h)anthracene	0.56
Fluoranthene	500
Fluorene	386
Indeno(1,2,3-cd)pyrene	5.6
m-Cresol(s)	0.33
Naphthalene	12
o-Cresol(s)	0.33
p-Cresol(s)	0.33
Pentachlorophenol	0.8
Phenanthrene	500
Phenol	0.33
Pyrene	500

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 3 - EWP

CRITERIA FOR USE OF OFF-SITE SOIL

NOCO #S-41 Site
Buffalo, New York

Parameter	Allowable Cconcentration of Imprted Soil/Fill
Metals (mg/kg)	
Arsenic	16
Barium	400
Beryllium	47
Cadmium	7.5
Chromium, Hexavalent [2]	19
Chromium, Trivalent [2]	1500
Copper	270
Cyanide	27
Lead	450
Manganese	2000
Mercury (total)	0.73
Nickel	130
Selenium	4
Silver	8.3
Zinc	2480
PCBs/Pesticides (mg/kg)	
2,4,5-TP Acid (Silvex)	3.8
4,4'-DDE	17
4,4'-DDT	47
4,4'-DDD	14
Aldrin	0.19
Alpha-BHC	0.02
Beta-BHC	0.09
Chlordane (alpha)	2.9
Delta-BHC	0.25
Dibenzofuran	210
Dieldrin	0.1
Endosulfan I	102
Endosulfan II	102
PCBs/Pesticides (mg/kg)	

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 3 - EWP

CRITERIA FOR USE OF OFF-SITE SOIL

NOCO #S-41 Site
Buffalo, New York

Parameter	Allowable Cconcentration of Imprted Soil/Fill
Endosulfan sulfate	200
Endrin	0.06
Heptachlor	0.38
Lindane	0.1
Polychlorinated biphenyls	1

Notes:

1. The SCO for Hexavalent or Trivalent Chromium is considered to be met if the analysis for the total species of this contaminant is below the specific SCO for Hexavalent Chromium.

FIGURES

FIGURE 1

SITE LOCATION AND VICINITY MAP

EXCAVATION WORK PLAN

1055 GENESEE STREET SITE

BUFFALO, NEW YORK

PREPARED FOR

1055 GENESEE STREET, LLC

TURNKEY ENVIRONMENTAL RESTORATION, LLC

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

PROJECT NO.: 0226-001-300

DATE: MARCH 2011

DRAFTED BY: NTM

FIGURE 2

Base Image per Bing Map | BCP Boundary Approximate | Not to Scale

TurnKey Environmental Restoration, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

PROJECT NO.: 0226-001-300

DATE: MARCH 2011

DRAFTED BY: NTM

SITE PLAN (AERIAL)

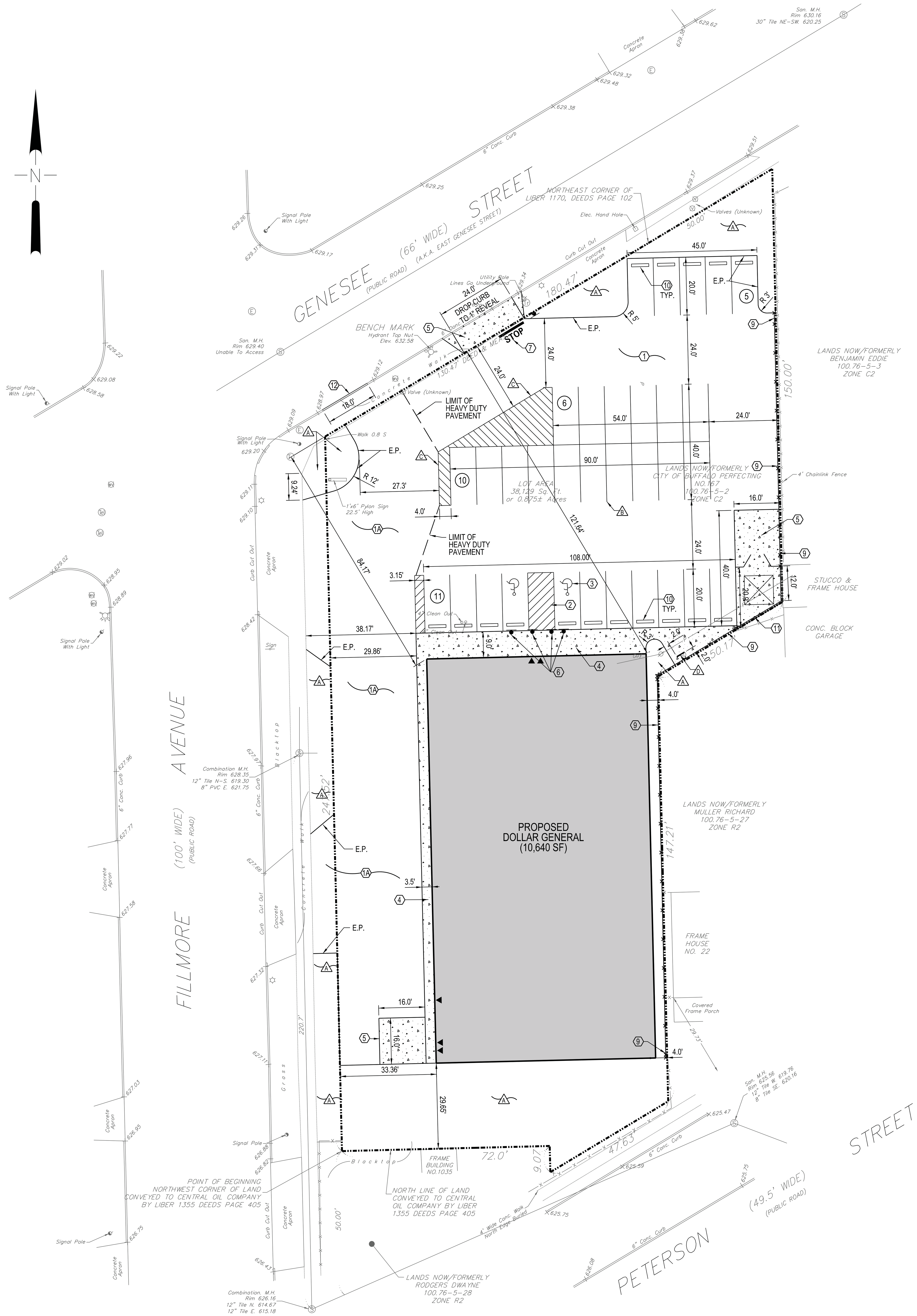
EXCAVATION WORK PLAN

1055 GENESEE STREET SITE

BUFFALO, NEW YORK

PREPARED FOR

1055 GENESEE STREET, LLC



SITE LOCATION MAP

NTS

GENERAL NOTES

1. SURVEY INFORMATION WAS PROVIDED BY MILLARD, McKAY & DELLES, LAND SURVEYORS, LL DATED 11-29-2010. C&S ENGINEERS, INC. ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

2. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND UTILITY LOCATIONS PRIOR TO THE START OF CONSTRUCTION. CONTACT THE ENGINEER WITH ANY DISCREPANCIES FOUND IN THE FIELD.

3. ALL DIMENSIONS FROM PROPERTY LINES ARE 90° FROM PROPERTY LINE UNLESS OTHERWISE NOTED.

4. COORDINATE EXACT LOCATION OF SIDEWALKS AT DOORWAYS WITH ARCHITECTURAL PLANS.

PROPOSED LEGEND

- PROPERTY LINE
- PROPOSED SIGN
- PROPOSED CONCRETE PAVEMENT / SIDEWALK
- PROPOSED CONCRETE CURB
- (5) NUMBER OF PARKING SPACES
- DOOR LOCATION
- E.P. EDGE OF PAVEMENT
- LIGHTING FIXTURES
- SAW CUT LINE

NOTE LEGEND

- A: 4" TOPSOIL & SEED IF NO PLANTINGS-SEE LANDSCAPING PLAN.
- B: 4" WIDE PAINTED YELLOW PAVEMENT STRIPES
- C: 4" WIDE PAINTED YELLOW PAVEMENT STRIPES @ 45° AND 2'-0" O.C.
- D: 5 SPACE (38" LONG) "ROLLER COASTER" BIKE RACK BY PW ATHLETIC MFG.OR EQUAL. PROVIDE PERMANENT MOUNT IN ACCORDANCE W/ MANUFACTURERS RECOMMENDATIONS. POWDER COATED FINISH, COLOR SELECTED BY OWNER.

DETAIL LEGEND

- 1: STANDARD DUTY ASPHALT
- 1A: HEAVY DUTY ASPHALT PAVEMENT
- 2: HANDICAP PAVEMENT MARKINGS
- 3: INTERNATIONAL HANDICAP SYMBOL
- 4: CONCRETE SIDEWALK
- 5: EXTERIOR CONCRETE SLAB-ON-GRADE
- 6: HANDICAP OR "NO PARKING" SIGN
- 7: STOP BAR/STOP SIGN
- 8: NOT USED
- 9: BOARD FENCE
- 10: CONCRETE WHEEL STOPS
- 11: DUMPSTER ENCLOSURE
- 12: CONCRETE CURB DETAIL

SITE DATA

ACREAGE: 38,129 SF (0.875 ACRES)

PROVIDED PARKING: 32 (INCLUDES 2 HC)

PROVIDED GREENSPACE: 13.95%

REVISIONS

NO.	DATE	DESCRIPTION
*	8/03/10	PERMIT DOCUMENTS

JAMES A. RUMSEY
ARCHITECT
5729 East River Road
Grand Island, NY 14072

CIVIL CONSULTANT:
C&S COMPANIES
90 Broadway Avenue
Buffalo, New York 14203
t: (716) 847-1630
F: (716) 847-1454

STRUCTURAL ENGINEER:
OPTIMAL DESIGN & ENGINEERING, PLLC
4245 Union Road, Suite 102
Buffalo, New York 14225
t: (716) 803-6400

PROJECT NO: pds3551
DATE: 2/18/2011
DESIGNED BY: JAR
DRAWN BY: PDS
CHECKED BY: JAR

CSS
Creative CONSTRUCTION Structures Services
General Contracting • Consulting Project • Development & Management
210 Summer Street
Buffalo, New York 14222
T: (716) 882-1226 / F: (716) 882-1227

SITE PLAN

DOLLAR GENERAL

1055 Genesee Street Buffalo, New York

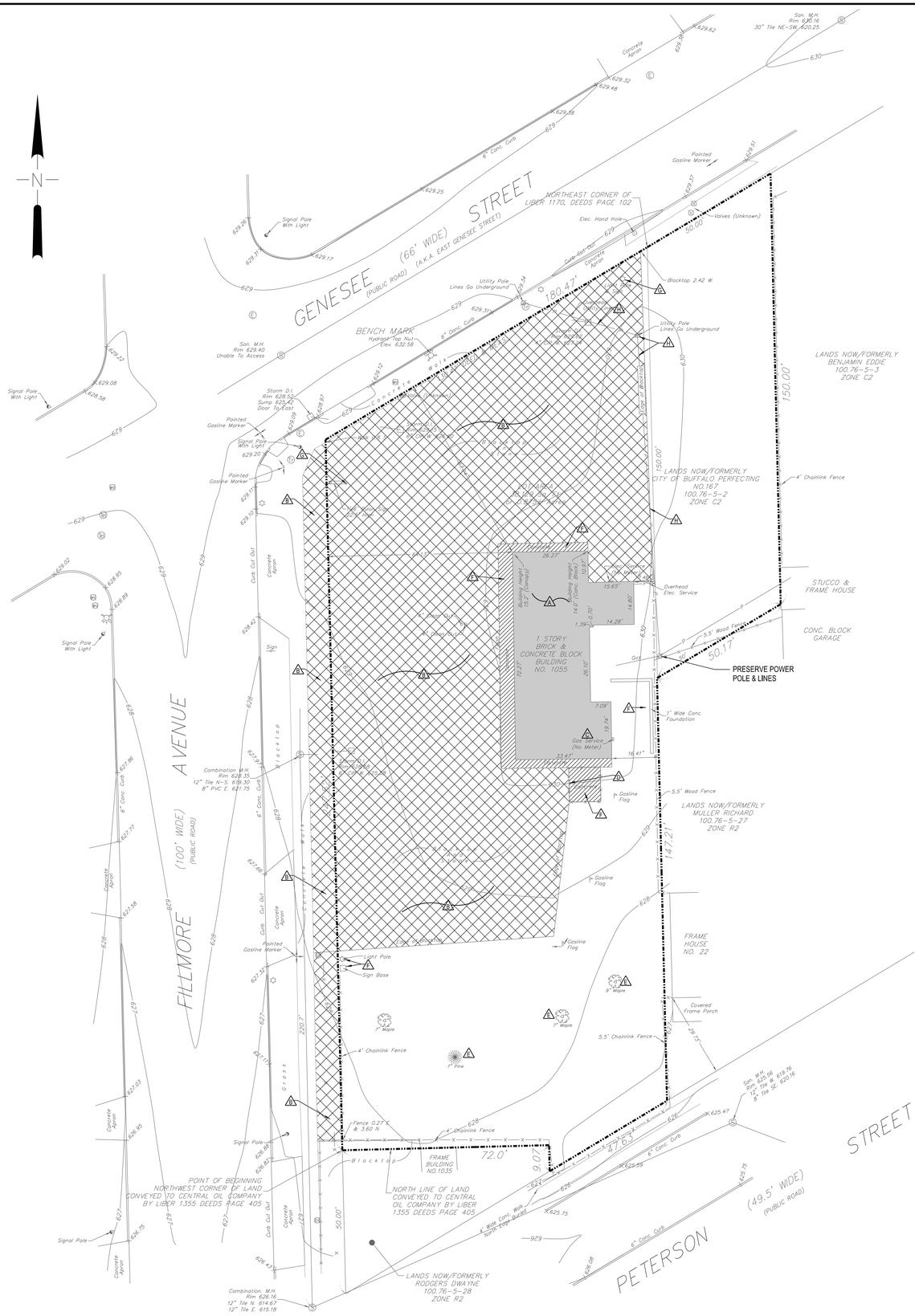
DATE 2/18/2011

DRAWING NO.

C-101

FILE LOCATION:

DATE PLOTTED:



DEMOLITION NOTES:

1. CONTRACTOR TO REMOVE & DISPOSE OF ALL ITEMS INDICATED & ANY ITEMS INCIDENTAL TO THE CONSTRUCTION AS REQUIRED.

2. CONTRACTOR SHALL PROTECT/PRESERVE ALL EXISTING ITEMS TO REMAIN, INCLUDING, BUT NOT LIMITED TO BUILDINGS, PAVEMENT, OVERHEAD & BURIED UTILITIES, TREES LANDSCAPING, ETC. DAMAGE TO ITEMS SCHEDULED TO REMAIN SHALL BE REPAIRED OR REPLANTED AT NO ADDITIONAL COST TO THE OWNER.

3. UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL HAVE ALL UNDER -GROUND FACILITIES LOCATED AND MARKED PRIOR TO EXCAVATION/DEMOLITION/ CONSTRUCTION.

4. ALL UTILITY TERMINATIONS SHALL BE IN ACCORDANCE W/ THE APPLICABLE UTILITY COMPANY REQUIREMENTS.

5. CONTRACTOR SHALL LEGALLY DISPOSE OF ALL MATERIALS/DEBRIS REMOVED FROM THE SITE.

6. CONTRACTOR TO OBTAIN HIGHWAY WORK PERMIT PRIOR TO THE START OF CONSTRUCTION. CALL FOR STAKEOUT OF UTILITIES BEFORE STARTING WORK. NOTIFY ENGINEER OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES FOUND IN THE FIELD.

7. THIS PLAN IS PREPARED FROM A SURVEY SHOWING KNOWN SURFACE FEATURES. IT IS INTENDED AS A GUIDE TO THE CONTRACTOR, NOT AS A COMPLETE AND UNIVERSAL DEMOLITION PLAN. SEE THE SITE PLAN. MORE FEATURES (NOT INDICATED) MAY REQUIRE DEMOLITION TO CONSTRUCT THE SITE PLAN. CONTRACTOR MUST VISIT THE SITE TO CONFIRM DEMOLITION EFFORT PRIOR TO BIDDING.

8. REMOVE CONCRETE SIDEWALK AND/OR PAVEMENT TO THE LIMITS INDICATED. SAW CUT CONCRETE TO THE NEAREST EXISTING CONTROL/EXPANSION JOINT.

9. BUILDING DEMOLITION SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL GUIDELINES.

NOTE LEGEND:

1. REMOVE BUILDING AND APPURTENANCES
2. REMOVE ASPHALT PAVEMENT & SUBBASE.
3. DISCONNECT UTILITY SERVICES, COORDINATE WITH UTILITY COMPANIES
4. REMOVE FENCE
5. TREE(S) TO BE REMOVED
6. REMOVE CONCRETE SIDWALK/FOUNDATION
7. PROTECT PYLON SIGN TO REMAIN
8. REMOVE POWER POLE & SERVICE LINES, COORDINATE WITH UTILITY COMPANY

20' 0 20 40F t.

REVISIONS

NO.	DATE	DESCRIPTION
*	8/03/10	PERMIT DOCUMENTS

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PROJECT NO: pdb3551
DATE: 2/18/2011
DESIGNED BY: JAR
DRAWN BY: PDS
CHECKED BY: JAR

CSS
Creative Structures Services
CONSTRUCTION
General Contracting • Consulting Project • Development & Management
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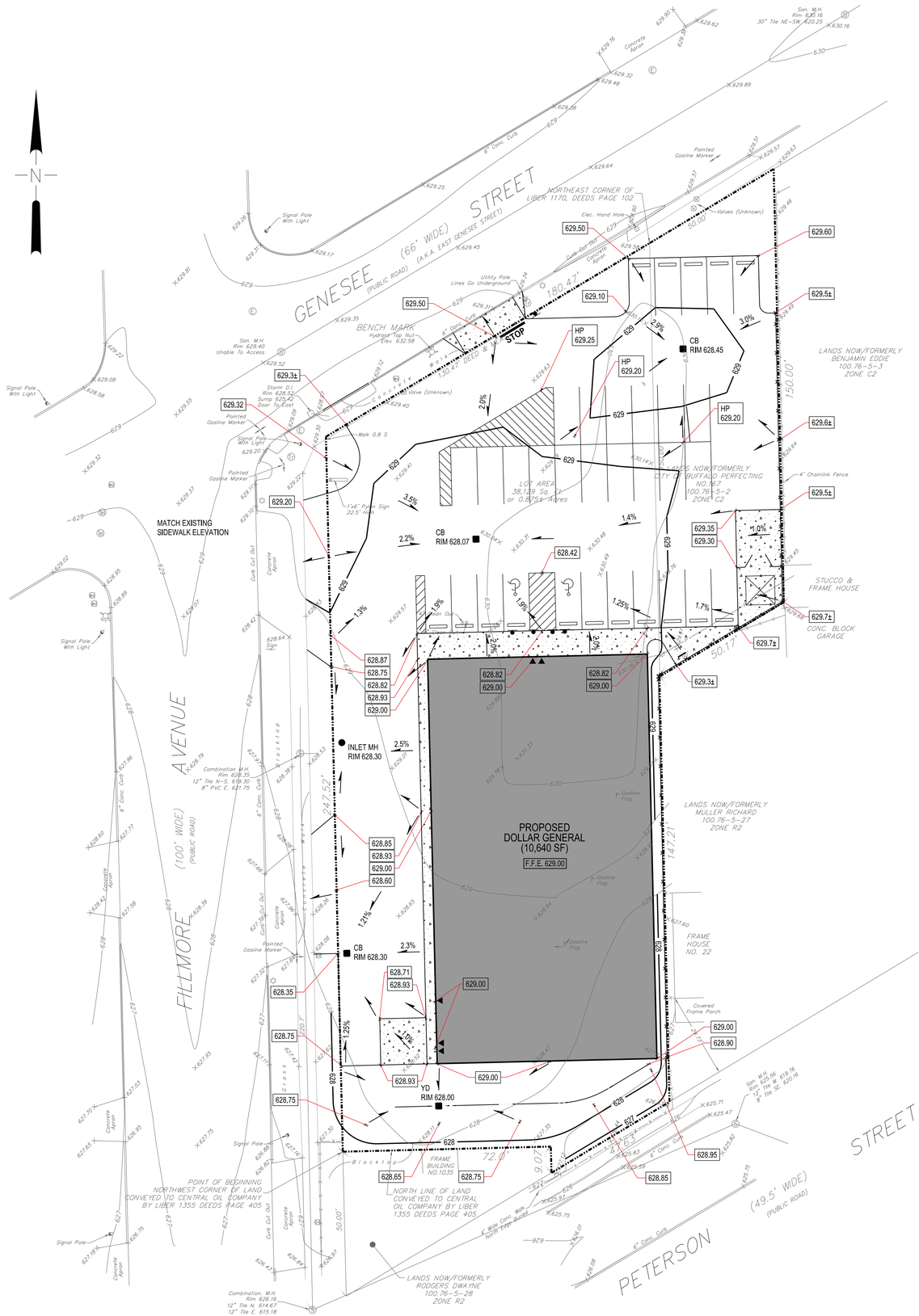
DEMOLITION PLAN

DOLLAR GENERAL
1055 Genesee Street Buffalo, New York

DATE
2/18/2011

DRAWING NO.
C-102

FILE LOCATION:
DATE PLOTTED:



LEGEND

- PROPERTY LINE
- 630.00 — PROPOSED POINT ELEVATION
- 630 — EXISTING CONTOUR
- 630 — PROPOSED CONTOUR
- TC — TOP OF CURB
- BC — BOTTOM OF CURB
- HP — HIGH POINT
- FLOW DIRECTION

NOTE LEGEND

△

20' 0 20 40 Ft.

REVISIONS

NO.	DATE	DESCRIPTION
*	8/03/10	PERMIT DOCUMENTS

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GRADING PLAN

DOLLAR GENERAL

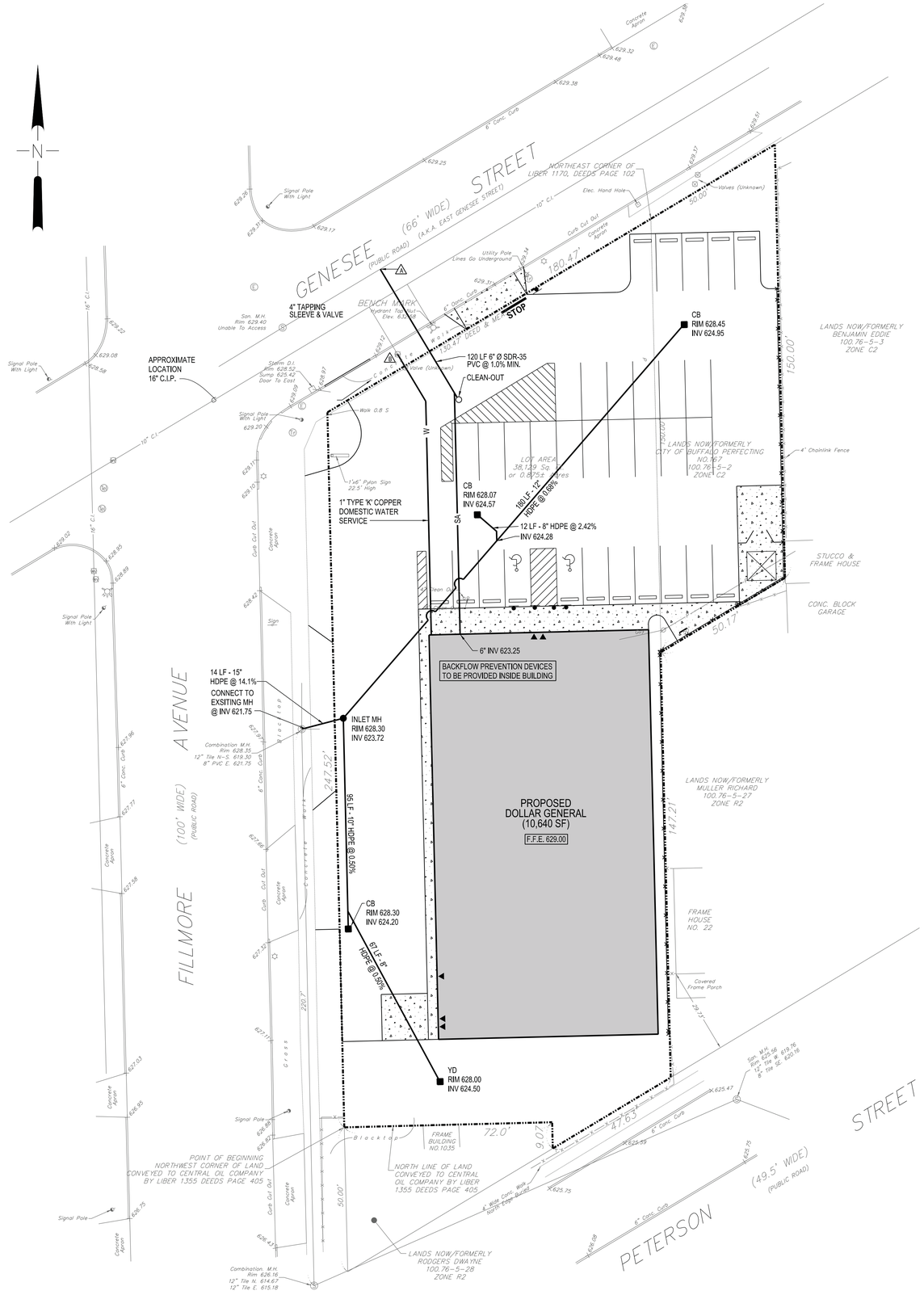
1055 Genesee Street Buffalo, New York

DATE
2/18/2011

DRAWING NO.
C-103

FILE LOCATION:

DATE PLOTTED:



MATERIAL NOTES:

1. STORM SEWERS
   - A. CORRUGATED POLYETHYLENE PIPE
     1. SMOOTH INTERIOR PIPE.
     2. CONFORM TO AASHTO M294.
     3. ACCEPTABLE PRODUCTS: N-12 ADVANCED DRAINAGE SYSTEMS, INC., HI-Q BY HANCOR, OR ACCEPTED EQUAL.
2. SANITARY SEWERS
   - A. PIPE AND FITTINGS - SDR35 PVC CONFORMING TO ASTM D3034 W/ RUBBER GASKETED JOINTS MEETING ASTM D-3212 STANDARDS.
   - C. PIPE BEDDING - NYSDOT NO. 1 CRUSHED STONE OR NO. 1 WASHED GRAVEL.

LEGEND

SANITARY SEWER	SA
STORM SEWER	ST
WATER MAIN	W
ELECTRIC	E
GAS SERVICE	G
TELEPHONE	T
HYDRANT	
MANHOLE	
CATCH BASIN	
YARD DRAIN	YD
CLEAN OUT	C.O.
LIGHT STANDARD	

NOTE LEGEND

1. WYE CONNECT TO EXISTING SEWER PER CITY STANDARDS. 6" INV. 23.40± OR AS REQ'D IN FIELD.
2. CONTRACTOR TO LOCATE EXISTING CURB BOX & CONNECT NEW 1' TYP "K" WATER SERVICE IF EXISTING TAP & CURB BOX ARE DEEMED SERVICEABLE BY CITY OF BUFFALO WATER DEPARTMENT.

20' 20 0 20 40F t.

REVISIONS

NO.	DATE	DESCRIPTION
*	8/03/10	PERMIT DOCUMENTS

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UTILITY PLAN

DOLLAR GENERAL

1055 Genesee Street Buffalo, New York

DATE
2/18/2011

DRAWING NO.
C-104

FILE LOCATION:

DATE PLOTTED:

APPENDIX A

BACKFILL DOCUMENTATION

CME Associates, Inc.

LABORATORY TEST REPORT

Client:	Buffalo Crushed Stone, Williamsville, NY	**Page**	1 of 2	**Date:**	02/08/11
Project:	Various Projects			**Report No.:**	16314S-01-0111

On January 28, 2011 our representative Mr. Ken Koleff, picked up a sample taken from a stockpile.

Sample Identification as follows:

Sample No.:	Location:
BL 2338	On-Site Stockpile – Buffalo Crushed Stone, Wehrle Pit

MECHANICAL ANALYSIS (ASTM C-136, C-117)

Sieve Size	Percent Passing by Weight Sample BL 2338
2"	100
1"	92
½"	58
¼"	40
No. 4	33
No. 10	20
No. 40	9
No. 200 (wash)	5

BURMISTER CLASSIFICATION & UNIFIED DESIGNATION

Classification: Grey 2" Minus Run-of-Crush Limestone

LABORATORY MOISTURE-DENSITY RELATIONSHIP ASTM D-1557

100% Maximum Dry Density	=	135.7	**pcf**
Optimum Moisture Content	=	7.7	**%**

The Laboratory Moisture Density Curve is attached.

Feel free to contact this office should you have any questions.

Respectfully Submitted,

CME ASSOCIATES, INC.

Ernest W. Kihl
Laboratory Supervisor

Reviewed By:

CME ASSOCIATES, INC.

Norman Jurek, EIT
Staff Engineer

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York, 14203-2999

Thomas C. Jorling
Commissioner

March 19, 1993

Mr. Vincent P. Barbera, P.E.
562 Evergreen
Tonawanda, New York 14150

Dear Mr. Barbera:

Swift River Associates
BUD # 278-9-15

The Division of Solid Waste of the New York State Department of Environmental Conservation (Department) has reviewed your beneficial use determination (BUD) petition dated October 2, 1992 submitted on behalf of Swift River Associates (Swift), Tonawanda, New York, for recycled aggregate produced by the crushing of waste aggregate with a mobile crushing/sizing plant. The Department hereby has conditionally determined that recycled aggregate produced by the crushing/sizing of waste aggregates constitutes a beneficial use in accordance with 6 NYCRR Paragraph 360-1.2(a)(5), provided, and so long as, the following conditions are complied with:

1. The waste aggregates approved as feedstock to the crushing/sizing plant are limited to recognizable, uncontaminated asphalt or portland cement concrete, glassphalt, other uncontaminated masonry material and asphalt pavement from road and sidewalk demolition projects, or similar waste aggregates which are source separated from building demolition projects. The waste aggregate may include not more than incidental amounts of reinforcing steel and residual soils. The waste aggregate feedstock must not be contaminated by hazardous waste, industrial waste, or a spill from a petroleum product, and must not be co-mingled with any other solid waste.

2. In order to comply with this BUD, each site where the mobile crushing/sizing plant is located must be authorized to operate by the Department in one of the following ways:

   a. Waste aggregate processing facilities located at and used exclusively for waste aggregates generated at that location which are exempt from regulation pursuant to 6 NYCRR Paragraph 360-1.7(b)(4).

b. Any waste aggregate processing facility which accepts waste aggregates from off site and whose total daily throughput is in excess of 50 tons per day and has a Permit to Operate under 6 NYCRR Part 360 (see Subpart 360-12).

c. A waste aggregate processing facility which accepts waste aggregate from off site may apply for a partial exemption from Department regulations under the provisions of 6 NYCRR Subparagraph 360-12.1(e)(1)(ii). Additionally, the Department will consider a variance from the 50 tons per day maximum average daily throughput upon submittal by the applicant of a formal variance request as per Part 360-1.7(c).

3. Additionally, an annual report must be submitted, within 30 days of the last calendar day of the year, on the quantity of recycled aggregate produced in this manner to the Department's Bureau of Resource Recovery, 50 Wolf Road, Albany, New York 12233-4014, so that we may keep track of the amount of solid waste being beneficially used in New York State. A copy of the annual report should also be sent to the Regional Solid Waste Engineer, Region 9, 270 Michigan Avenue, Buffalo, New York 14203-2999.

Please be advised the Department reserves the right to modify, suspend, or revoke this approval at any time, should conditions warrant, and that this approval does not exempt the operator from other applicable local, State, or Federal requirements, if any.

While the Department endorses beneficial use as an important solid waste management strategy, you are advised that the granting of this BUD does not constitute an endorsement or guarantee of the quality of the aggregate materials produced with beneficially used materials.

Should you have any questions regarding this BUD approval, please do not hesitate to contact this office at 851-7220.

Sincerely,

Peter J. Buechi, P.E.
Regional Engineer for
Solid and Hazardous Waste

/lej

cc: Mr. Dennis Weiss - NYSDEC, Solid Waste, Buffalo
Ms. Cheryl Webster - NYSDEC, Solid Waste, Buffalo
Mr. Lawrence Rosenmann - NYSDEC, Bureau of Resource Recovery, Albany

GE 454M (10/97)

PLANT

GRANULAR MATERIAL DOCUMENTATION FORM

ORIGINATOR J.R. EMERY, REG. GEOTECH. ENGR., D246816, R. 5050, 96 PIN 10806
I-190 OVER LASALLE EXPWY RAMPS

SAMPLED BY D. H. WILD DATE 4-21-10

SOURCE IDENTIFICATION & LOCATION

SOURCE IDENTIFICATION SWIFT RIVER ASSOC.

U.S.G.S. QUAD LOCATION 11-L-K-6
TOWNSHIP TONAWANDA
COUNTY ERIE

☒ **STOCKPILED MATERIAL** ITEM NO. 023041501M PILE NO. 109 EST. QTY. C.M. 2866
TIER NO. ☐ I ☐ II ☒ III
CASE FOR SUBSEQUENT STOCKPILE ☐ CASE A ☒ CASE B ☐ CASE C

☐ **NON-STOCKPILED MATERIAL**

TEST RESULTS (OPTIONAL)

GRADATION			NORTH	SOUTH	EAST	WEST
REG. SAMPLE DESIGN						
SIEVE SIZES	100.0 mm	% PASSING BY WEIGHT				
	75.0 mm					
	50.0 mm		100	100	100	100
	37.5 mm					
	25.0 mm		88	82	79	84
	19.0 mm					
	12.5 mm		66	49	54	58
	6.3 mm		46	33	39	42
	2.00 mm		30	19	25	25
	0.850 mm		21	14	18	18
	0.425 mm		16	12	15	14
	0.150 mm		11	8	10	10
	0.075 mm		4	7	8	8
QUALITY		Mean				
Mg So. Soundness % Loss by Wt		4	4	5	4	4
Plasticity Index			NP	NP	NP	NP

ACCEPTED:

NON-STOCKPILED MATERIAL

FOR THE YEAR OF 19___ MATERIAL FROM THIS SOURCE MEETS THE QUALITY REQUIREMENTS FOR ITEMS:

THIS EVALUATION IS SUBJECT TO THE FOLLOWING CONDITIONS:

STOCKPILED MATERIAL

SUBBASE ITEM 023041501M TYPE OPTIONAL (MODIFIED)
UNDERDRAIN FILTER ITEM ____ TYPE ____
OTHER ITEM(S) ____

NAME J.R. Emery TITLE Reg. Geotech. Engr. DATE 5-17-10

REJECTED:

MATERIAL MEETING THE SPECIFICATION REQUIREMENTS CANNOT BE OBTAINED FROM THIS
☐ SOURCE
☐ STOCKPILE

FOR ITEM(S) ____

NAME ____ TITLE ____ DATE ____

GE 454M (10/97)

GRANULAR MATERIAL DOCUMENTATION FORM

ORIGINATOR
J.R. ZIFZIULA, REG, 5, GEOTECH. ENGR.
076259, PIN. 5580.39, PSN 11125
RTE 290 OVER THRUWAY
SAMPLED BY DANIEL WILD DATE 7/9/10

SOURCE IDENTIFICATION & LOCATION 7611
SOURCE IDENTIFICATION SWIFT RIVER ASSOC., INC.
U.S.G.S. QUAD LOCATION II-L-R-6
TOWNSHIP TONAWANDA
COUNTY ERIE

☒ **STOCKPILED MATERIAL** ITEM NO. 05304.1501 PILE NO. 10-14 EST. QTY. C.M. 4778 M³
TIER NO. ☐ I ☐ II ☒ III
CASE FOR SUBSEQUENT STOCKPILE ☐ CASE A ☒ CASE B ☐ CASE C
☐ **NON-STOCKPILED MATERIAL**

TEST RESULTS (OPTIONAL)

GRADATION			NORTH	SOUTH	EAST	WEST
REG. SAMPLE DESIGN			5380396M14A	5380396M14B	5380396M14C	5380396M14D
SIEVE SIZES	100.0 mm	% PASSING BY WEIGHT	100	100	100	100
	75.0 mm		100	100	100	100
	50.0 mm		100	100	100	100
	37.5 mm					
	25.0 mm		79	79	87	87
	19.0 mm					
	12.5 mm		54	52	62	61
	6.3 mm		37	33	42	40
	2.00 mm		21	18	23	20
	0.850 mm		16	12	15	14
	0.425 mm		12	9	11	11
	0.150 mm		9	6	7	7
	0.075 mm		6	5	6	5
QUALITY		Mean	<20	<20	<20	<20
Mg So. Soundness % Loss by Wt		NP	NP	NP	NP	NP
Plasticity Index						

ACCEPTED:

NON-STOCKPILED MATERIAL
FOR THE YEAR OF 2010 MATERIAL FROM THIS SOURCE MEETS THE QUALITY REQUIREMENTS FOR ITEMS:

THIS EVALUATION IS SUBJECT TO THE FOLLOWING CONDITIONS:

STOCKPILED MATERIAL
SUBBASE ITEM 05304.1501 TYPE OPTIONAL TYPE (MODIFIED)
UNDERDRAIN FILTER ITEM _____ TYPE _____
OTHER ITEM(S) _____

NAME K.R. Zifziula TITLE Reg. Geotech. Engr. DATE 7-21-10

REJECTED:

MATERIAL MEETING THE SPECIFICATION REQUIREMENTS CANNOT BE OBTAINED FROM THIS
☐ SOURCE
☐ STOCKPILE
FOR ITEM(S) _____

NAME _____ TITLE _____ DATE _____

GE 454M (10/97)

GRANULAR MATERIAL DOCUMENTATION FORM

ORIGINATOR
J.R. ZIEZIULA, REG.5, GEOTECH. ENGR.
D 261259, PIN. 5580.39 PSN 111125
RTE 290 OVER THRUWAY
SAMPLED BY DANIEL H. WILD DATE 7/9/10

SOURCE IDENTIFICATION & LOCATION 761
SOURCE IDENTIFICATION SWIFT RIVER ASSOC. INC
U.S.G.S. QUAD LOCATION II-1-E-6
TOWNSHIP TONAWANDA
COUNTY ERIE

☒ **STOCKPILED MATERIAL** ITEM NO. 05304.1501 PILE NO. 10-13 EST. QTY. C.M. 6307 M³
TIER NO. ☐ I ☐ II ☒ III
CASE FOR SUBSEQUENT STOCKPILE ☐ CASE A ☒ CASE B ☐ CASE C
☐ **NON-STOCKPILED MATERIAL**

TEST RESULTS (OPTIONAL)

GRADATION			NORTH	SOUTH	EAST	
REG. SAMPLE DESIGN			5580396-M13A	5580396M13B	5580396-M13C	5580396-M13D
SIEVE SIZES	100.0 mm	% PASSING BY WEIGHT	100	100	100	100
	75.0 mm		100	100	100	100
	50.0 mm		100	100	100	100
	37.5 mm					
	25.0 mm		84	92	84	88
	19.0 mm					
	12.5 mm		51	71	53	63
	6.3 mm		30	51	34	40
	2.00 mm		13	26	17	17
	0.850 mm		9	17	11	11
	0.425 mm		7	13	9	8
	0.150 mm		4	8	5	5
	0.075 mm		4	6	4	4
QUALITY		Mean				
Mg So₄ Soundness % Loss by Wt			<20	<20	<20	<20
Plasticity Index		NP	NP	NP	NP	NP

ACCEPTED:

NON-STOCKPILED MATERIAL
FOR THE YEAR OF 2010 MATERIAL FROM THIS SOURCE MEETS THE QUALITY REQUIREMENTS FOR ITEMS:

THIS EVALUATION IS SUBJECT TO THE FOLLOWING CONDITIONS:

STOCKPILED MATERIAL
SUBBASE ITEM 05304.1501 TYPE OPTIONAL TYPE (MODIFIED)
UNDERDRAIN FILTER ITEM _____ TYPE _____
OTHER ITEM(S) _____

NAME J. R. Ziezula TITLE Reg. Materials Engr. DATE 7-21-10

REJECTED:
MATERIAL MEETING THE SPECIFICATION REQUIREMENTS CANNOT BE OBTAINED FROM THIS
☐ SOURCE
☐ STOCKPILE
FOR ITEM(S) _____

NAME _____ TITLE _____ DATE _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID WASTE

REGISTRATION FORM FOR A SOLID WASTE MANAGEMENT FACILITY

Please read and follow all instructions before completing this registration form

Please Type or Print clearly THIS IS NOT A UPA PERMIT

DEPARTMENT USE ONLY	
DEC REGISTRATION #	1 5 W 0 1
DEC ADMINISTRATION #	
DATE RECEIVED	12/15/93

1. FACILITY NAME AND LOCATION
Swift River Associates, Inc.
Street: 4051 River Road
City/Village:
Town: Tonawanda County: Erie
Telephone Number: (716) 875-0902

2. FACILITY OWNER'S NAME
Swift River Associates, Inc.
Mailing Address: 4051 River Road
City/Town/Village: Tonawanda
State/Zip Code: New York 14150
Telephone Number: (716) 875-0902

3. FACILITY OPERATOR'S NAME (if different)
Same
Mailing Address:
City/Town/Village:
State/Zip Code:
Telephone Number: ( )

4. SITE OWNER'S NAME (if different)
Carmen M. Pariso, Inc.
Mailing Address: 3649 River Road
City/Town/Village: Tonawanda
State/Zip Code: New York 14150
Telephone Number: (716) 875-6168

5. TYPE OF FACILITY REGISTRATION (check all applicable boxes)

- ☐ Energy Recovery Incinerators or Pyrolysis Units pursuant to §360-5.1(c)]
- ☐ Land Application and Sludge Storage Facilities §360-4.1(c)]
- ☐ Composting and Other Distribution and Marketing Facilities §360-5.3(b)]
- ☐ Land Clearing Debris Landfills three acres or less §360-7.2(a)]
- ☐ Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 12,500 tons of household solid waste annually §360-11.1(b)(1)]
- ☐ Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 12,500 tons of containerized solid waste annually §360-11.1(b)(2)]
- ☐ Source Separated, Nonputrescible Solid Waste Recyclables Handling and Recovery Facilities §360-12.1(d)]
- ☐ Waste Tire Retreaders §360-13.1(d)(1)(i)]
- ☐ Waste Tires Stored for On-site Energy Recovery §360-13.1(d)(1)(ii)]
- ☐ Tire Dealers Selling Waste Tires §360-13.1(d)(1)(iii)]
- ☐ Tire Manufacturing Facilities §360-13.1(d)(1)(iv)]
- ☒ Processing Facilities Receiving Only Recognizable Uncontaminated Concrete, Asphalt Pavement, Brick, Soil or Rock §360-16.1(d)(1)(i)]
- ☒ Uncontaminated Unadulterated Wood Processing Facilities §360-16.1(d)(1)(ii)]
- ☐ Other Facilities not specifically described above, Specify Type

6. SOLID WASTE HANDLED

a. List Wastes and/or Materials to be accepted: uncontaminated concrete, Asphalt pavement, Brick, soil or rock, uncontaminated unadulterated wood

b. Quantity (Specify Units - see Instructions)
design capacity: 1200 ton per day
storage on site: 20,000 tons

7. OPERATIONS SCHEDULE - Normal schedule of operation
Monday - Saturday 7:00 a.m. - 5:00 p.m.

8. NAME(S) OF ALL MUNICIPALITIES SERVED City of N. Tonawanda, Tonawanda, Town of Tonawanda, Buffalo Erie & Niagara County

9. CERTIFICATION:
I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority as managing partner (title) of Swift River (Entity) to sign this registration form pursuant to 6 NYCRR Part 360. By signing this registration form, I affirm that I have read the applicable regulations and will abide by all conditions of the registration requirements. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Printed/Typed Name	Signature	Mo.	Day	Year
Vincent P. Barbera, P.E.	Vincent P Barbera	12	14	93

~~REGISTRATION FACILITY COPY~~ COPY #3

Registrant's Validated copy

E DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID WASTE

RATION FORM FOR A
D WASTE MANAGEMENT FACILITY

ase read and follow all instructions before completing
is registration form

Please Type or Print clearly THIS IS NOT A UPA PERMIT

DEPARTMENT USE ONLY					
DEC REGISTRATION #	1	5	W	1	7
DEC ADMINISTRATION #					
DATE RECEIVED 7/1/96					

1. FACILITY NAME AND LOCATION	2. FACILITY OWNER'S NAME
Swift River Associates, Inc.	Swift River Associates, Inc.
Street 5601 Pavement Rd.	Mailing Address 4051 River Rd.
City/Village Lancaster	City/Town/Village Tonawanda
Town Lancaster County Erie	State/Zip Code New York 14150
Telephone Number (716) 875-0902	Telephone Number (716) 875-0902
3. FACILITY OPERATOR'S NAME (if different)	**4. SITE OWNER'S NAME (if different)**
	Frey Concrete
Mailing Address	Mailing Address 5601 Pavement Rd.
City/Town/Village	City/Town/Village Lancaster
State/Zip Code	State/Zip Code New York 14086
Telephone Number ( )	Telephone Number (716) 683-1432

5. TYPE OF FACILITY REGISTRATION (check all applicable boxes)

- ☐ Energy Recovery Incinerators or Pyrolysis Units [360-3.1(c)]
- ☐ Land Application and Sludge Storage Facilities [360-4.1(c)]
- ☐ Composting and Other Distribution and Marketing Facilities [360-5.3(b)]
- ☐ Land Clearing Debris Landfills three acres or less [360-7.2(a)]
- ☐ Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 12,500 tons of household solid waste annually [360-11.1(b)(1)]
- ☐ Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 12,500 tons of containerized solid waste annually [360-11.1(b)(2)]
- ☐ Source Separated, Nonputrescible Solid Waste Recyclables Handling and Recovery Facilities [360-12.1(d)]
- ☐ Waste Tire Retreaders [360-13.1(d)(1)(i)]
- ☐ Waste Tires Stored for On-site Energy Recovery [360-13.1(d)(1)(ii)]
- ☐ Tire Dealers Selling Waste Tires [360-13.1(d)(1)(iii)]
- ☐ Tire Manufacturing Facilities [360-13.1(d)(1)(iv)]
- ☒ Processing Facilities Receiving Only Recognizable Uncontaminated Concrete, Asphalt Pavement, Brick, Soil or Rock [360-16.1(d)(1)(i)]
- ☒ Uncontaminated Unadulterated Wood Processing Facilities [360-16.1(d)(1)(ii)]
- ☐ Other Facilities not specifically described above, Specify Type

6. SOLID WASTE HANDLED

a. List wastes and/or materials to be accepted Brick, uncontaminated concrete, asphalt pavement, rock, uncontaminated soil, unadulterated wood

b. Quantity (Specify Units - see instructions)
design capacity 800 TON per DAY

storage on site 20,000 TON

7. OPERATIONS SCHEDULE - Normal schedule of operation

Monday - Friday 7AM - 5PM

8. NAME(S) OF ALL MUNICIPALITIES SERVED Amherst, Clarence, Lancaster, Depew, W. Seneca, Buffalo, Erie + Genesee County

9. CERTIFICATION:

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority as Secretary / Treasurer (title) of Swift River Assoc. Inc. (Entity) to sign this registration form pursuant to 6 NYCRR Part 360. By signing this registration form, I affirm that I have read the applicable regulations and will abide by all conditions of the registration requirements. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Printed/Typed Name	Signature	Mo.	Day	Year
Anthony B. PARISO	Anthony B. Pariso	06	28	96

REGISTRANT'S VALIDATED COPY - COPY #3
(To Be Returned by Dec.)

APPENDIX B

ELECTRONIC COPY