



Transmitted Via Federal Express

December 16, 2003

Mr. Fred Rindhage, P.E.
General Motors Corporation
Remediation Team m/c 483-520-190
Pontiac Centerpointe Campus
2000 Centerpointe Parkway
Pontiac, MI 48341-3147

Re: Letter Report for Clearing and Fence Installation
Former Landfill
NEC Ecorse Road and Michigan Avenue
Van Buren Township, MI
SF – MI – Van Buren Twp Site – SF
C/M Number: 449168

Dear Mr. Rindhage:

BBL Environmental Services, Inc. (BBLES) is pleased to present this report summarizing completion of a clearing and fence installation project at an approximate 80-acre area of undeveloped, wooded land located in Van Buren Township, Wayne County, Michigan (herein referred to as the Site). The Site is further defined as the area of land bounded to the south by Ecorse Road, to the west by Michigan Avenue, to the north by railroad tracks, and to the east by the General Motors (GM) Service Parts Organization (SPO) Warehouse building. Figure 1 shows the general Site location.

Background

Information obtained from a Phase I Environmental Site Assessment (ESA) and geophysical investigation verified that a closed landfill exists under a large portion of the Site. Installation of a chain link perimeter fence was recommended to mitigate owner liability due to the following factors:

- Unauthorized entry and use of the Site for all-terrain vehicle (ATV) riding was expediting erosion of the landfill cap in several areas at the Site.
- Unauthorized dumping of household and building material waste was occurring regularly at the Site.
- Unauthorized hunting, including the discharge of firearms, occurred at the Site. According to GM, bullets had penetrated the wall of the east-adjacent Service Parts Organization (SPO) warehouse building.

- The presence of scattered debris and broken glass on the surface of the Site, coupled with periodic discharge of firearms, resulted in a dangerous setting for both unauthorized occupants and neighbors.

Planning and Approvals

BBLES commenced the planning process by contacting Van Buren Township representatives regarding general plans to clear and secure the Site, and developing a draft fence layout and specifications. The plans encompassed clearing a 10-foot wide path along a 5900 linear foot path for installation of a 7-foot high chain link fence. The fence would exist along the perimeter of the Site and join with the western portion of the existing GM SPO Warehouse fence.

Van Buren Township contracted a representative from McKenna & Associates to walkthrough the Site with BBLES on April 28, 2003. McKenna & Associates reviewed the plans with regards to the township woodlands/tree ordinance and the presence of wetlands along the proposed fence line. Based on the Site walkthrough, McKenna & Associates submitted a letter to Van Buren Township (included in Attachment 1). Based on the letter and potential applicable ordinance requirements, Van Buren Township initially requested that BBLES stake the proposed fence line, and mark and count all trees greater than 5 inches in diameter along a proposed 10-foot wide clearing path. The plans were verbally approved at that time, with potential requirements for mitigation of trees pending. BBLES proceeded by contracting Atwell-Hicks to survey and stake the proposed fence line. BBLES measured trees along the path, and marked those trees with a diameter greater than 5 inches with aluminum tags. The number of trees marked along the path with greater than a 5-inch diameter was 115, with an average trunk diameter of 10.3 inches.

In July 2003, BBLES retained Preferred Fence and Construction (Preferred Fence) to install the fence. Preferred Fence was also required to perform or subcontract services for clearing trees and brush along the fence line, installing gates in the fence, and grading an access roadway from Ecorse Road to a doublewide gate at the southwest corner of the Site. Figure 2 shows the layout of the fence line at the Site and specifies general installation guidelines. Figure 3 gives details of the fence and associated signs posted at the Site.

On August 18, 2003, BBLES sent Van Buren Township a letter requesting formal written approval for the proposed clearing and fence installation. On August 19, 2003, Van Buren Township sent BBLES a letter citing that the proposed clearing and fence installation project was exempt from potentially applicable Van Buren Township ordinance requirements. The project was exempt from tree removal permitting because the Site was classified as an existing developed site given its former use as a landfill. In addition, the perimeter fence installation qualified for an exemption in the interest of public safety and emergencies due to unauthorized off-road vehicle riding destroying the landfill cap and exposing garbage. The BBLES letter and Van Buren Township exemption letter are also included in Attachment 1.

In preparation of Site activities, BBLES prepared a Health and Safety Plan (HASP) for tasks to be performed. For specialty services, reference was made to a subcontractor's health and safety plan.

Mobilization, Clearing and Grading

Mr. Fred Rindhage, P.E.

December 16, 2003

Page 3 of 4

BBLES and Preferred Fence mobilized to the Site on August 26, 2003. Attachment 2 contains photographs from Site activities taken in sequence. BBLES and Preferred Fence initially mobilized with support vehicles only. Preferred Fence subcontracted Tarr's Tree Service (Tarr's) to perform clearing of the trees. Tarr's mobilized a Hydro-Ax tree cutter and a Roto-Ax brush cutter to the Site on August 26. Tarr's cleared brush and trees along the proposed path from August 27-28. On August 29, Tarr's mobilized a track-mounted backhoe, log skidder and stump grinder to the Site. Tarr's commenced stump grinding on August 29 and early the week of September 1. In addition to the stumps, Tarr's also many of the cleared trees. Cleared vegetation was cut to less than 10 feet in length and pushed to the inside of the property. Clearing was completed on September 2, 2003.

Tarr's mobilized a bulldozer to the Site on September 3, 2003. From September 3 through September 5, the bulldozer was used to grade and level the proposed fence path, as well as the area between Ecorse Road and the future location of the double-wide gate.

Fence Installation

Fence materials were purchased upon receiving approval from Van Buren Township, before clearing activities commenced. Preferred Fence received materials during the first week in September, and disbursed fencing and posts around the perimeter of the Site where the fence would be installed.

Preferred Fence mobilized to commence fence installation activities on September 8, 2003. Preferred Fence initially mobilized a skid-steer with a post hole auger attachment. Posts were set in sequence with augering the holes, commencing along the northeast Site boundary and moving counterclockwise around the perimeter of the Site. After augering holes for the first part of each day, concrete was delivered by Milan Concrete and posts were set in place. All posts were installed and set before hanging and securing the fence, including line posts, corner posts, gate posts, and end posts. Preferred Fence augered holes and set posts from September 8 through September 18.

From September 18 through September 24, Preferred Fence secured top rails and bottom wire to the fence posts. In addition, the two access gates were installed. This included a double-wide vehicle access gate at the southwest corner of the Site and an 8-foot wide single gate at the southeast portion of the Site. From September 25 through September 30, Preferred Fence installed approximately 5,900 linear feet of 7-foot high chain link fence around the perimeter of the Site. The fence ended at posts installed next to the two easternmost portions of the existing GM SPO Warehouse fence. Fence wire was tied between posts at each of the two locations to secure the gaps (approximately 1 foot at each location). Heavy-duty, rust-resistant, hardened steel chains and high strength locks were provided for each gate. Keys for the gates were provided to BBLES, GM Worldwide Facilities Group, and GM SPO Willow Run personnel.

Entrance Roadway, Seeding, Posting and Demobilization

During last week of September when Preferred Fence was installing the chain link fence, gravel was delivered to cover the pathway from Ecorse Road to the double-wide access gate at the southwest corner of the Site. In addition, grass seed was applied to an approximate 10-foot wide area along the entire length of the new fence.

Mr. Fred Rindhage, P.E.

December 16, 2003

Page 4 of 4

On October 1, 2003, aluminum signs labeled "POSTED – NO TRESPASSING" were nailed to trees at approximate 100-foot intervals within the fence line. Signs were posted and equipment was demobilized from October 1 through October 3.

Closing

Thank you for selecting BBLES to complete this project. Please contact me if you have any questions.

Sincerely,

BBL ENVIRONMENTAL SERVICES, INC.



Brad Saunders, P.E.


Project Manager

bas/

Attachments: Figure 1 – Site Location
 Figure 2 – Fence Layout and Installation Guidelines
 Figure 3 – Fence and Sign Detail
 Attachment 1 – Van Buren Township Correspondence and Exemption Letter
 Attachment 2 – Project Photographs

cc: Jim Kralik – BBLES
 Lowell McBurney, P.E. – BBLES





LEGEND:

- EXISTING CSX RAILROAD
- EXISTING FIBEROPTIC LINE
- EXISTING GAS LINE
- EXISTING FENCE
- SURVEYED AND STAKED FENCE LINE (ATWELL-HICKS; MAY 2003)

- NOTE:**
- BASE MAP PREPARED FROM A MAP BY ATWELL-HICKS, INC. FEBRUARY 24, 2003.
 - THE CONTRACTOR SHALL VERIFY ALL LOCATIONS IN THE FIELD. THE PROPOSED FENCE LINE HAS BEEN SURVEYED AND MARKED APPROXIMATELY EVERY 50 FEET WITH WOOD LATHS AND PINK RIBBONS.
 - LOCATION OF UNDERGROUND UTILITIES OBTAINED FROM MAP BY ATWELL-HICKS, INC. FEBRUARY 24, 2003. OTHER UNDERGROUND UTILITIES MAY EXIST. THE LOCATION OF WHICH AT THIS TIME ARE UNKNOWN. THE CONTRACTOR SHALL VERIFY THE LOCATION OF UTILITIES IN THE FIELD PRIOR TO INDICATING WORK UNDER THIS CONTRACT.
 - ALL WORK SHALL CONFORM TO ALL APPLICABLE RULES, REGULATIONS, AND CODES INCLUDING, BUT NOT LIMITED TO, THE STATE OF MICHIGAN DEPARTMENT OF TRANSPORTATION CODES AND THE TOWNSHIP OF VAN BUREN ORDINANCES.
 - CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS BEFORE INITIATING WORK UNDER THIS CONTRACT.
 - CONTRACTOR SHALL CONTACT MISS DIG (1-800-482-7171) AT LEAST THREE DAYS BEFORE COMMENCING WORK.
 - CONTRACTOR SHALL RESTORE ALL SURFACES DAMAGED OR DESTROYED AS A RESULT OF WORK PERFORMED UNDER THIS CONTRACT TO THEIR PRE-CONSTRUCTION CONDITION IN A TIMELY MANNER.
 - CONTRACTOR SHALL CLEAR AN AREA OF APPROXIMATELY 5' ON EACH SIDE OF FENCE. CLEARED BRUSH AND TREES WILL BE CUT TO LENGTHS NO GREATER THAN 10 FEET AND LEFT WITHIN THE FENCE BOUNDARY.
 - CONTRACTOR SHALL INSTALL A 7-FOOT GALVANIZED CHAIN LINK FENCE AS SHOWN ON DRAWING 2. CONTRACTOR SHALL FOLLOW ALL MANUFACTURER REQUIREMENTS. FENCE SHALL MEET ASTM STANDARDS. SEE TYPICAL CHAIN LINK FENCE DETAIL.
 - DISTURBED AREAS APPROXIMATELY 5' ON EACH SIDE OF FENCE SHALL BE SEEDED AND MULCHED.
 - CONTRACTOR SHALL PROVIDE AND POST PAINTED ALUMINUM SIGNS. SEE SIGN DETAIL ON DRAWING 3.
 - CONTRACTOR SHALL PROVIDE HEAVY DUTY, RUST RESISTANT, HARDENED STEEL CHAINS AND HIGH STRENGTH LOCKS (5 KEYS EACH) FOR THE LOCKING DOUBLE GATE AND SINGLE GATE.
 - CONTRACTOR SHALL NOTIFY THE GENERAL MOTORS REPRESENTATIVE IMMEDIATELY WHEN CONFLICTS BETWEEN DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED.
 - CONTRACTOR SHOULD NOT LEAVE MATERIALS ONSITE UNSECURED.

Privileged and Confidential, Prepared at the Request of Counsel

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L: ON=, OFF=, REF=
P: PAGESET/PLT-CDL
12/15/03 ANN-B5-PFS
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No.	Date	Revisions		Init
NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7208 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW				

Project Mgr. _____
Designed by _____
Drawn by _____
Checked by _____
Prof. Eng. _____
PE License _____

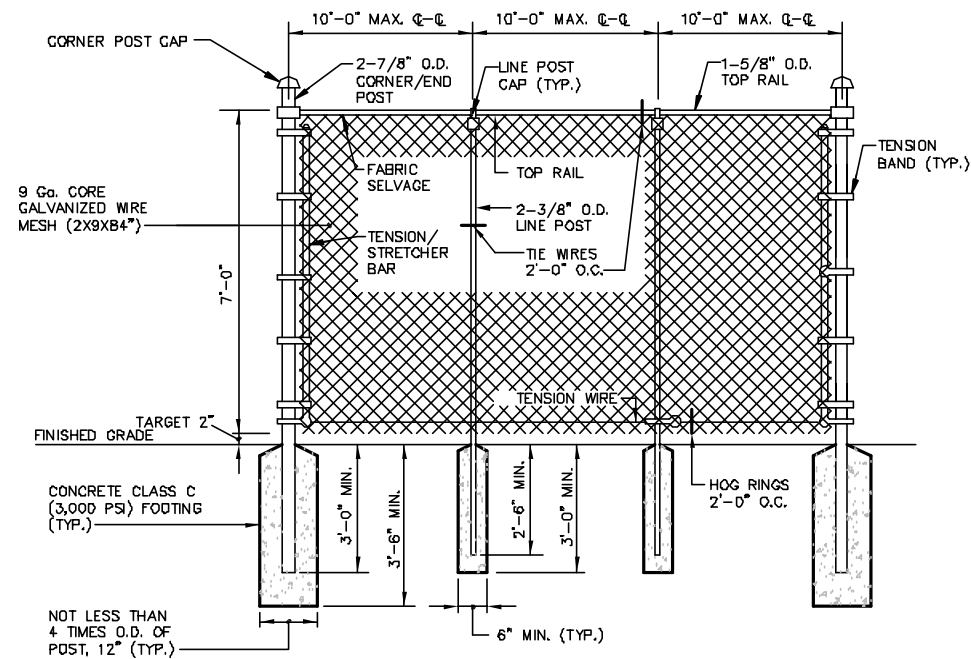


GENERAL MOTORS CORPORATION • VAN BUREN TWP
FENCE INSTALLATION

FENCE LAYOUT & INSTALLATION GUIDELINES

GENERAL

File Number 86808
Date SEPTEMBER 2003
BBL ES, Inc. Corporate Headquarters 6723 Towpath Road Syracuse, NY 13214 315-448-9120



- NOTES:
1. POSTS, RAILS, BANDS, TENSION MATERIALS AND ANY OTHER ANCLLARY METAL FITTINGS SHALL BE GALVANIZED STEEL CONSTRUCTION (SCHEDULE 40 FOR PIPE MATERIAL).
 2. CONCRETE SHALL BE TAMPED & RODDED IN PLACE.
 3. FENCE SHALL MEET ASTM STANDARDS.
 4. THE DOUBLE WIDE GATE (# 1) SHALL BE 12' WIDE AND POSTED ON EACH END.
 5. GATE POSTS (# 1 AND # 2) SHALL BE 4" O.D.

TYPICAL WALL CHAIN LINK FENCE DETAIL

NOT TO SCALE



NOTE:
PROVIDE AND INSTALL APPROXIMATELY 65 RUST RESISTANT, ALUMINUM, 12" HIGH BY 18" WIDE SIGNS ON BOTH GATES AND ON TREES APPROXIMATELY 5' INSIDE FENCE. LINE FENCE AT INTERVALS OF NO GREATER THAN 100'.

SIGN DETAIL

NOT TO SCALE

X:
L: ON=, OFF=REF
P: PAGESET/PLT-CDL
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No.	Date	Revisions	Init

Project Mgr. _____
Designed by _____
Drawn by _____
Checked by _____
Prof. Eng. _____
PE License _____



GENERAL MOTORS CORPORATION - VAN BUREN TWP
FENCE INSTALLATION

FENCE & SIGN DETAIL

GENERAL

File Number 86808
Date SEPTEMBER 2003
BBL&S, Inc. Corporate Headquarters 6723 Towpath Road Syracuse, NY 13214 315-448-9120



Charter Township of Van Buren

BOARD OF TRUSTEES

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TRUSTEE Phillip C. Hart		TRUSTEE John A. Herman	TRUSTEE Jeffrey L. Jahr	TRUSTEE Walter S. Rochowiak

August 19, 2003

Brad Sanders
Blasland, Bouck & Lee, INC.
Engineers & Scientists
455 E Eisenhower Pkwy Suite 260
Ann Arbor MI 48108

Subject: Tree Permit Exemption

Dear Brad:

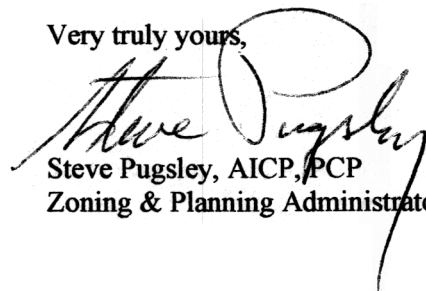
The application to construct a fence around a portion of the G.M. Service Center site at 50000 Ecorse Road is approved per the August 18, 2003 letter from BB&L and the attachments there to. The fence is to be located within a ten foot wide clearing as shown on the site map dated 7/2003.

In addition the erection of a fence at this address will not require a tree removal permit because the property is classified as an existing developed site per Section 4.45 E-5 of the Van Buren Township Zoning Ordinance.

Perimeter fencing around the existing 1960's landfill property qualifies the site for an exemption under Section 4.45 E-3 (e) and (h) for Public Safety and emergencies due to the off road vehicles destroying the landfill cap and exposing garbage creating a public health issue.

If you have any questions regarding this decision, please contact me at (734)699-8913.

Very truly yours,


Steve Pugsley, AICP, PCP
Zoning & Planning Administrator

Cc: Brenda Hawley



46425 Tyler Road, Van Buren Twp., MI 48111-5217 Website: vanburen-mi.org
Telephone 734.699.8900 Fax 734.699.5213

