



01-0725

Corporate Environmental Programs  
General Electric Company  
100 Woodlawn Avenue, Pittsfield, MA 01201

*Transmitted Via Federal Express*

April 1, 2004

Mr. Bruce Collingwood, P.E.  
Commissioner, Public Works & Utilities  
City Hall  
70 Allen Street  
Pittsfield, MA 01201

**Re: Hill 78 On-Plant Consolidation Area  
Sanitary and Storm Drain Manhole Retrofit Activities**

Dear Mr. Collingwood:

As you may recall, in May 2003 the General Electric Company (GE) conducted a site visit with the City of Pittsfield (the City) and discussed potential retrofit designs for three existing, City-owned manholes located on the GE-owned property that is bordered by Tyler Street Extension to the north, Merrill Road to the south, New York Avenue to the west, and the General Dynamics parking lot to the east (see Figure 1 attached). Two of the three manholes are part of a sanitary sewer line, while the third manhole is part of a storm sewer line. Both pipelines, which are maintained by the City, run in a general north-south direction within an existing drainage easement. As we discussed at the site visit, portions of this drainage easement, including the three aforementioned manholes, are within either the existing or proposed footprint of GE's On-Plant Consolidation Area (OPCA). As a result, it is necessary to retrofit the manholes to facilitate their continued future use during and following construction of the OPCA.

This letter summarizes GE's proposal for the retrofit design for manholes S-2 (located along the sanitary sewer pipeline) and D-1 (located along the storm sewer pipeline) as discussed during our site visit. Figure 1 depicts a partial site plan, the drainage lines, and manholes D-1 and S-2. The proposed retrofit design for the third manhole, which is located along the sanitary sewer pipeline and upstream of manhole S-2, will be provided under separate cover once that location has been further investigated and the design is completed.

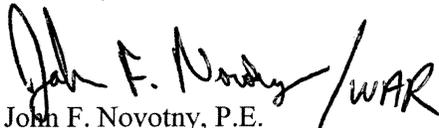
The intent of the proposed retrofit design is to provide complete closed-conduit flow through both manholes and then abandon the manholes in-place. In order to accomplish this objective, steel arches will be installed over the bottoms of the manholes. In the case of manhole S-2, the arch will be fastened to existing bench walls within the manhole as shown on Figure 2 (attached). For manhole D-1, concrete block bench walls will first be constructed to support the arch.

Following installation of the arches, any significant gaps between the arches and the manhole walls will be grouted and concrete will be poured over the arches. This will effectively create a continuous flow path between the inlets and the outlets of the original manholes. Once these retrofit activities are

performed, upper sections of the manhole structure will be removed to at least 1 foot below existing grade to facilitate continued construction of the OPCA. The remaining open portions of the former manhole structures (i.e., above the poured concrete caps) will then be backfilled to existing ground surface with on-site material.

GE believes that the above procedures and attached drawings meet the City's recommendations for abandoning the manholes as discussed during our site visit and asks that you provide your written concurrence. GE intends to initiate the retrofit work following receipt of your concurrence and will provide your office with as-built information once the construction is completed. Also, as mentioned above, GE will provide your office with retrofit design information for the third manhole once the design has been finalized. Please feel free to contact me if you have any questions regarding this letter or the attached drawings.

Sincerely,

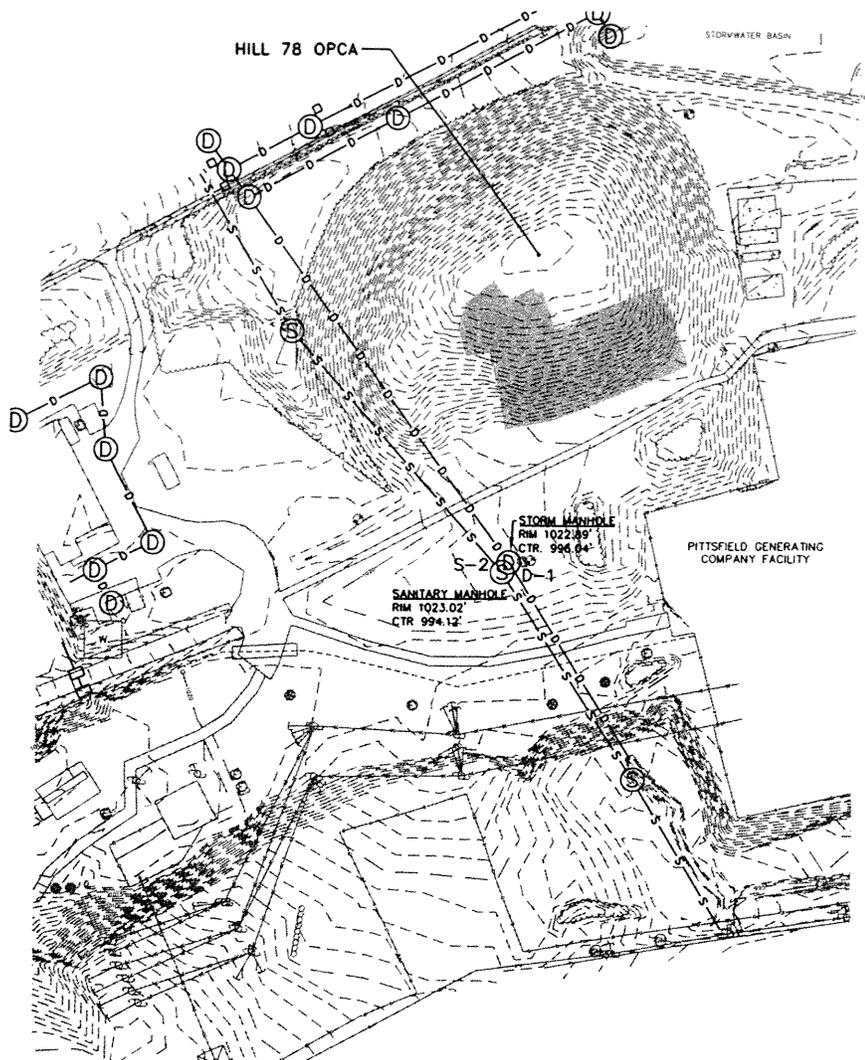


John F. Novotny, P.E.  
Manager, Facilities & Brownfields Programs

WAR/keg  
Attachments

cc: Michael Nalipinski, EPA  
Dean Tagliaferro, EPA  
John Kilborn, EPA  
Dawn Jamros, Weston  
Anna Symington, MDEP  
Susan Steenstrup, MDEP  
Robert Bell, MDEP  
Mayor J. Ruberto, City of Pittsfield

Pittsfield Department of Health  
Michael Carroll, GE  
Andrew Silber, GE  
Rod McLaren, GE  
James Nuss, BBL  
James Bieke, Shea & Gardner  
Public Information Repositories  
GE Internal Repository

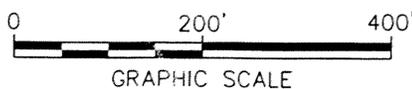


**LEGEND:**

- ◉ MONITORING WELL
- ◉ WATER SUPPLY WELL
- Ⓢ SANITARY MANHOLE
- ◻ CATCH BASIN
- Ⓣ DRAIN MANHOLE
- ABOVE GROUND STEAM PIPE
- DRAINAGE LINES
- S— SANITARY LINES
- OVERHEAD UTILITY
- CHAIN LINK FENCE
- INDEX CONTOUR LINE
- INTERMEDIATE CONTOUR LINE
- ▨ AREA OF EXISTING TARPAULINS
- VEGETATION

**NOTES:**

1. BASE MAP INFORMATION SHOWN ON THIS DRAWING WAS DEVELOPED FROM FIELD SURVEY DATA OBTAINED BY BLASLAND, BOUCK & LEE, INC. ON 2/10/99; AS-BUILT FIELD SURVEY OBTAINED BY MAXYMILLIAN TECHNOLOGIES AND PREPARED BY HILL ENGINEERS, ARCHITECTS, & PLANNERS, INC. ON 1/19/00 (CADD FILE NO. MX-36-2.DWG); FIELD SURVEY PERFORMED BY HILL ENGINEERS, ARCHITECTS, & PLANNERS, INC. ON 3/8/00 AND 3/14/00 (CADD FILE NO. SRV-4541.DWG) REVISION A; FIELD SURVEY OF THE BUILDING 71 OPCA, ADJACENT AREA TO THE WEST, AND THE STORMWATER BASIN TO THE NORTHWEST OBTAINED BY SK DESIGN GROUP, INC. ON 12/8/00 (PROJECT NO. 000156); AND FIELD SURVEY PERFORMED BY HILL ENGINEERS, ARCHITECTS, & PLANNERS, INC. ON 12/27/01. CERTAIN FEATURES SHOWN MAY BE APPROXIMATE SINCE SNOW AND ICE ACCUMULATIONS WERE PRESENT AT THE TIME OF CERTAIN SURVEYS.
2. ELEVATIONS SHOWN ARE REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM (NGVD 1929).
3. HORIZONTAL DATUM IS REFERENCED TO THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM (NAD 1927).
4. CONTOUR INTERVAL EQUALS 1 FOOT.



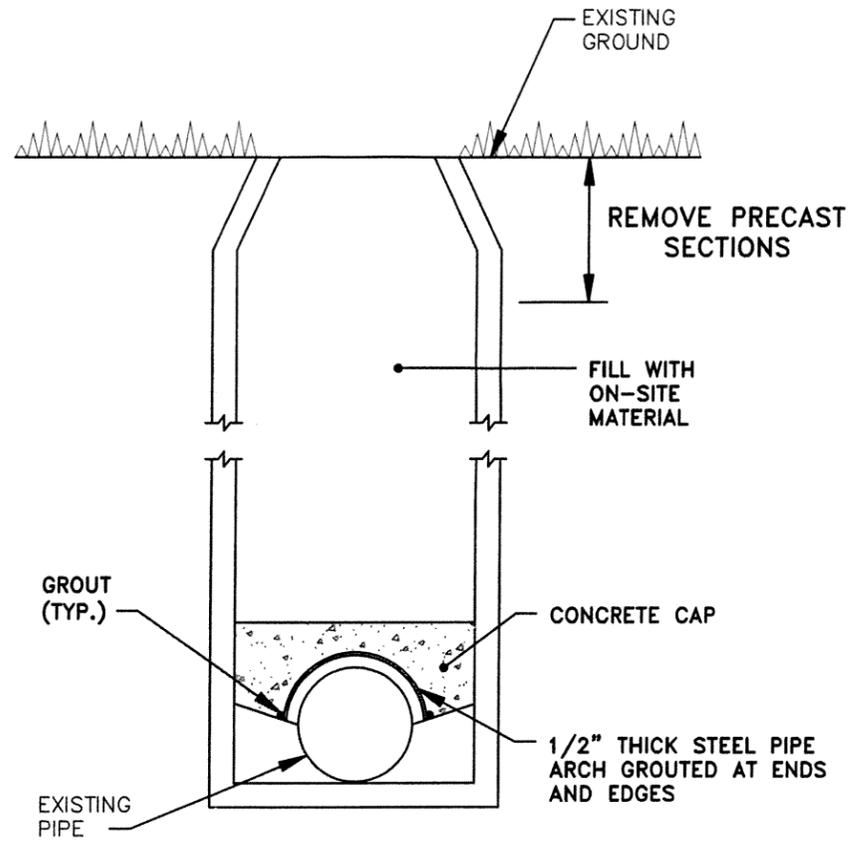
GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS  
2004 OPCA CONSTRUCTION AND  
CONSOLIDATION ACTIVITIES

**EXISTING SITE PLAN**

X: 40170X00, X01.DWG  
L: (LAYER)  
P: PAGESET/PLT-AP  
3/29/04 SYR-85-SDL  
C/40170005/40170803.DWG

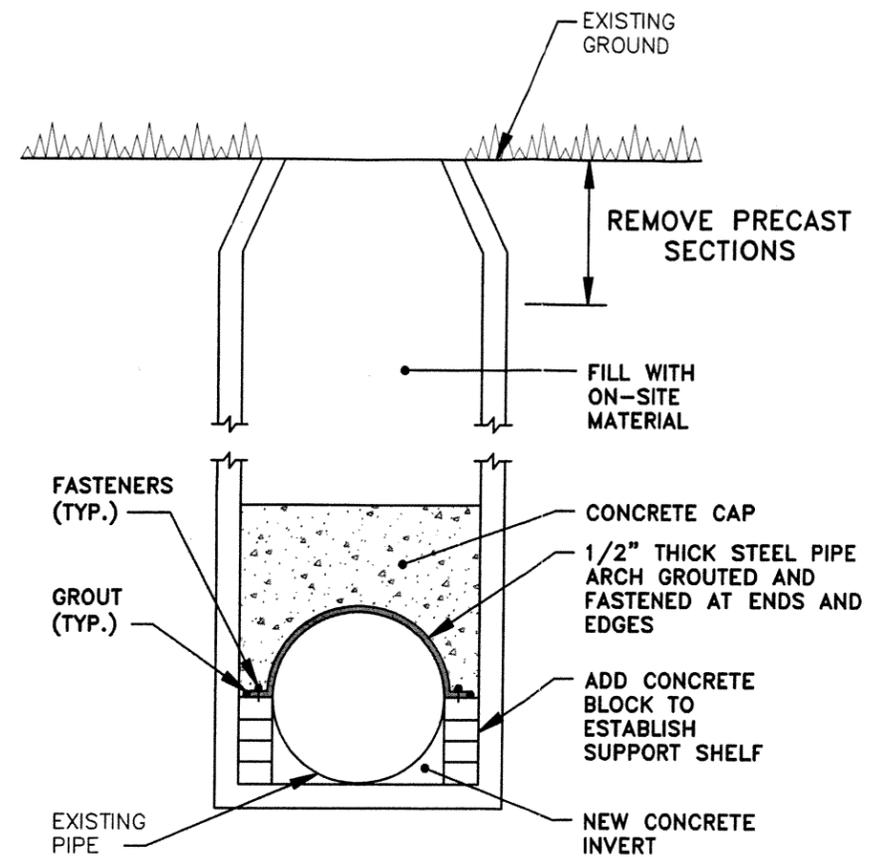
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BLASLAND, BOUCK & LEE, INC.  
*engineers, scientists, economists*

FIGURE  
**1**



### MANHOLE S-2

NOT TO SCALE



### MANHOLE D-1

NOT TO SCALE

GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS  
2004 OPCA CONSTRUCTION AND  
CONSOLIDATION ACTIVITIES

#### MANHOLE DETAILS

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FIGURE  
**2**