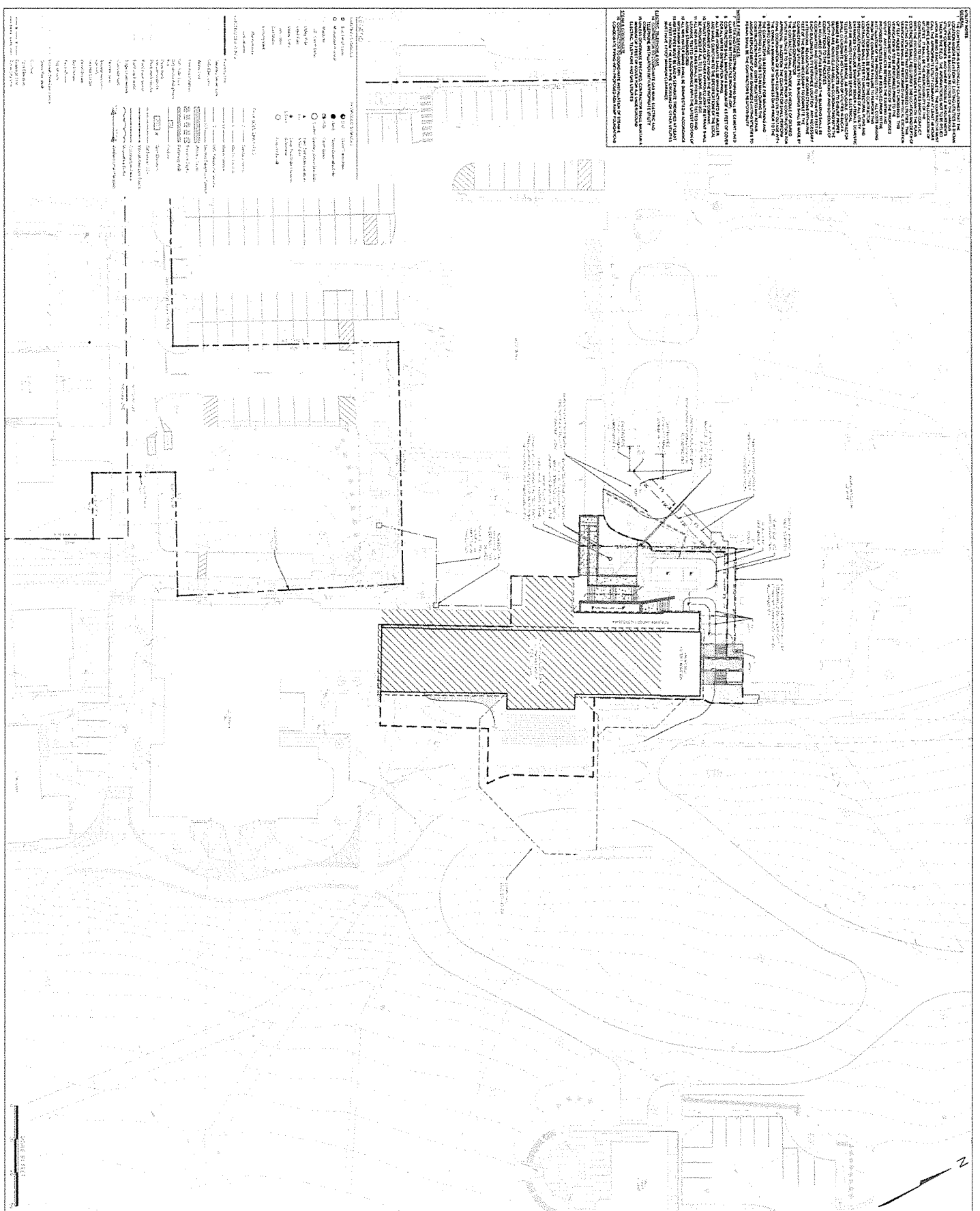

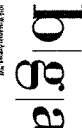


	<b>LANDTECH</b> <small>LANDSCAPE ARCHITECTS</small> <small>1000 14th Street, NW, Suite 1000</small> <small>Washington, DC 20004</small>	<b>bg a</b> <small>Benjamin G. Auer</small> <small>Benjamin G. Auer Architects</small> <small>1000 14th Street, NW, Suite 1000</small> <small>Washington, DC 20004</small>	<p style="text-align: center;"><b>Hill House Renovations</b></p> <p style="text-align: center;">Charles Rosemary Hill</p> <p style="text-align: center;">1418 N.W. 13th Street, S.W.</p> <p style="text-align: center;">Washington, D.C. 20004</p> <p style="text-align: center;">SCALE: 1/8" = 1'-0"</p>
<p style="text-align: center;"><b>SITE DEMONSTRATION / PREPARATION PLAN</b></p> <p style="text-align: center;">C-100</p>			







 <p><b>LANDTECH</b> Professional Engineering &amp; Surveying 1100 N. Dearborn Street, Suite 100 Chicago, IL 60610 Tel: 312.281.1100 Fax: 312.281.1101 www.landtech.com</p>	 <p><b>b g a</b> lower prilley architects</p>	<p><b>Hill House Renovations</b> Crestle Promenade Hill 148 Hill, 3rd Floor, Suite 300 Wilmette, IL 60091 Tel: 708.261.1100</p>	<p>SHE: UTILITY P-44</p>	<p>DATE: 12/15/2011</p>	<p>SCALE: 1" = 50'</p>
				<p>C-400</p>	



1. The purpose of this plan is to provide a detailed description of the sewerage and wastewater control system for the Hill House Renovations project. This plan is intended to be used in conjunction with the other documents submitted in support of the project's application for a sewerage and wastewater control permit.

2. The project is located at 123 Main Street, City of Chicago, Illinois. The project consists of the renovation of an existing two-story brick building. The existing building has a sewerage system that is in poor condition and needs to be replaced. The new sewerage system will consist of a main sewer line, a lateral sewer line, and a sanitary manhole.

3. The main sewer line will be installed in a trench that is 4 feet deep and 18 inches wide. The trench will be backfilled with compacted bedding. The lateral sewer line will be installed in a trench that is 3 feet deep and 12 inches wide. The sanitary manhole will be installed in a concrete structure that is 4 feet in diameter and 6 feet high. The manhole will be accessed from the street through a manhole cover.

4. The sewerage system will be designed to handle a peak flow rate of 100 gallons per minute. The system will be designed to have a minimum velocity of 2 feet per second. The system will be designed to have a maximum depth of 10 feet. The system will be designed to have a minimum slope of 0.01 feet per foot.

5. The sewerage system will be installed in accordance with the Chicago Sanitary and Sewer Code. The system will be installed in accordance with the National Sanitation Foundation Water Quality Institute (NSF) standards. The system will be installed in accordance with the International Plumbing Code (IPC).

6. The sewerage system will be installed in accordance with the following specifications:

- 6.1. The main sewer line will be installed in a trench that is 4 feet deep and 18 inches wide.
- 6.2. The lateral sewer line will be installed in a trench that is 3 feet deep and 12 inches wide.
- 6.3. The sanitary manhole will be installed in a concrete structure that is 4 feet in diameter and 6 feet high.
- 6.4. The manhole will be accessed from the street through a manhole cover.
- 6.5. The sewerage system will be designed to handle a peak flow rate of 100 gallons per minute.
- 6.6. The system will be designed to have a minimum velocity of 2 feet per second.
- 6.7. The system will be designed to have a maximum depth of 10 feet.
- 6.8. The system will be designed to have a minimum slope of 0.01 feet per foot.

7. The sewerage system will be installed in accordance with the following schedule:

- 7.1. The main sewer line will be installed in the first week of the project.
- 7.2. The lateral sewer line will be installed in the second week of the project.
- 7.3. The sanitary manhole will be installed in the third week of the project.
- 7.4. The manhole cover will be installed in the fourth week of the project.

8. The sewerage system will be installed in accordance with the following budget:

- 8.1. The main sewer line will cost \$10,000.
- 8.2. The lateral sewer line will cost \$5,000.
- 8.3. The sanitary manhole will cost \$3,000.
- 8.4. The manhole cover will cost \$1,000.
- 8.5. The total cost of the sewerage system will be \$19,000.

9. The sewerage system will be installed in accordance with the following safety plan:

- 9.1. The trench will be shored and braced to prevent collapse.
- 9.2. The trench will be ventilated to prevent the buildup of toxic gases.
- 9.3. The trench will be illuminated to prevent accidents.
- 9.4. The trench will be fenced off to prevent unauthorized access.
- 9.5. The trench will be backfilled with compacted bedding to prevent settlement.

10. The sewerage system will be installed in accordance with the following quality control plan:

- 10.1. The trench will be inspected before backfilling.
- 10.2. The sewerage system will be tested before installation.
- 10.3. The manhole cover will be tested before installation.
- 10.4. The sewerage system will be inspected after installation.
- 10.5. The manhole cover will be inspected after installation.

11. The sewerage system will be installed in accordance with the following maintenance plan:

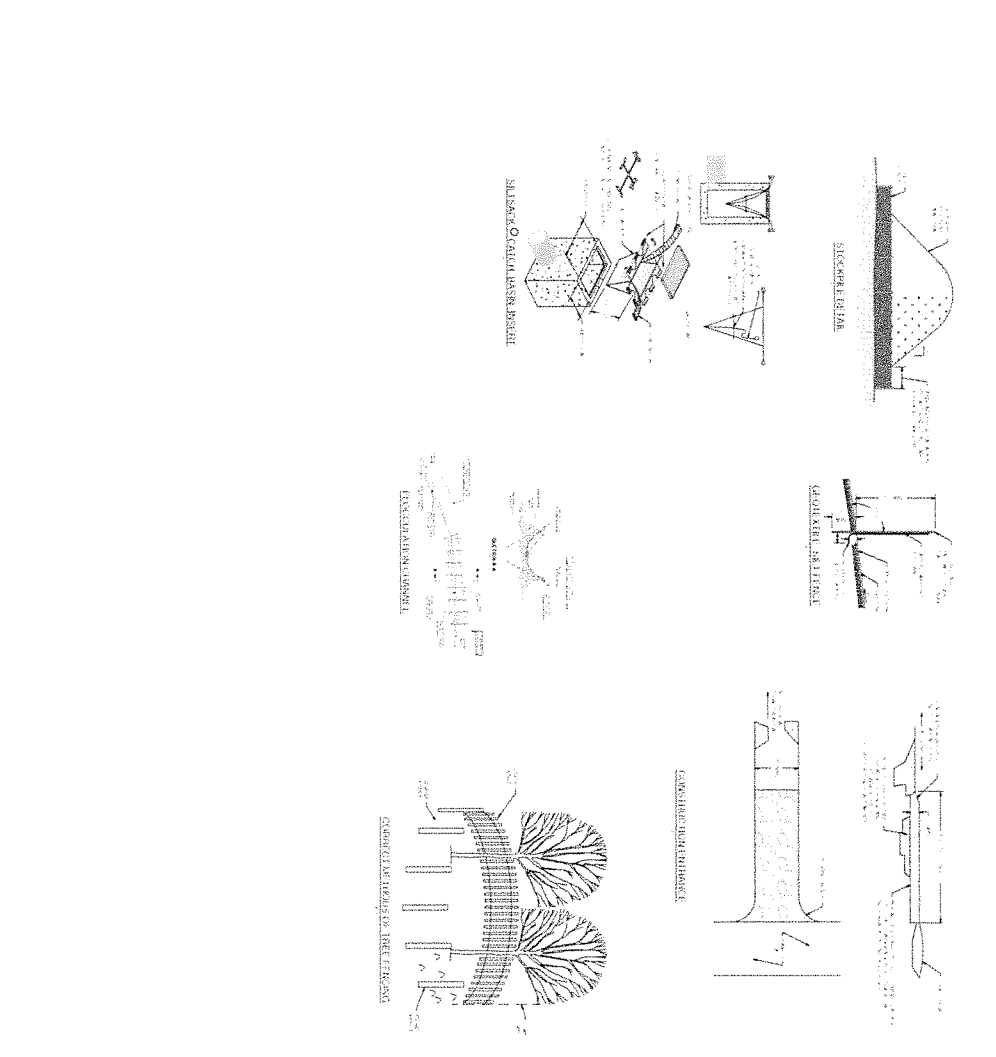
- 11.1. The sewerage system will be inspected annually.
- 11.2. The manhole cover will be inspected annually.
- 11.3. The sewerage system will be cleaned as needed.
- 11.4. The manhole cover will be replaced as needed.

12. The sewerage system will be installed in accordance with the following warranty plan:

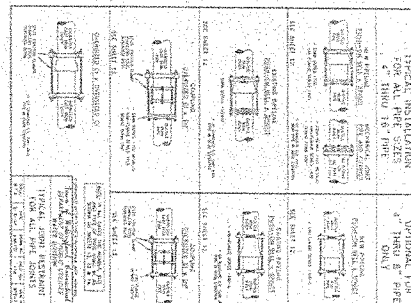
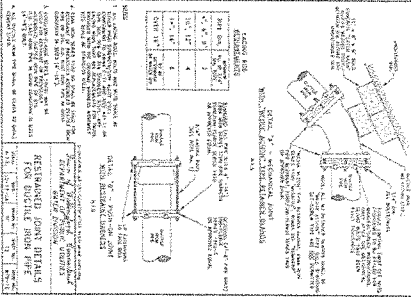
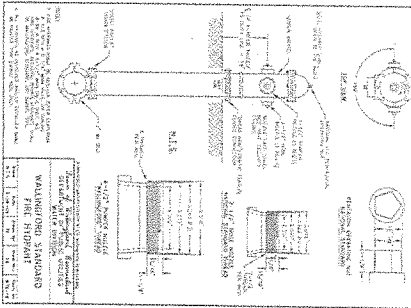
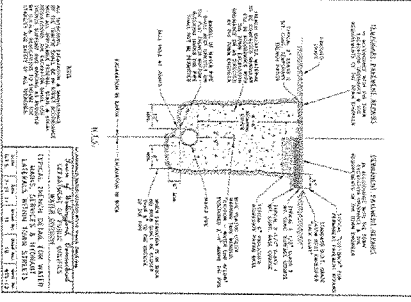
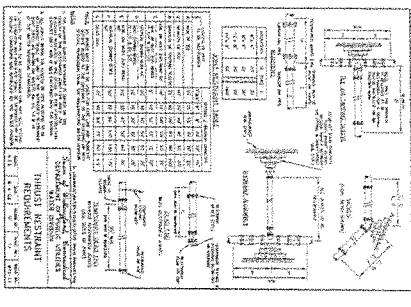
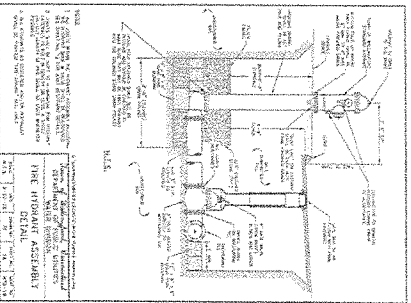
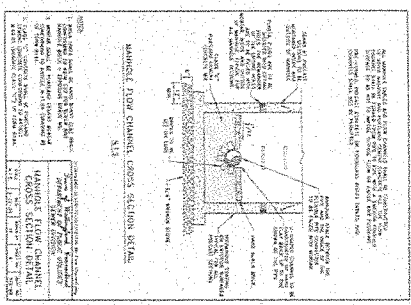
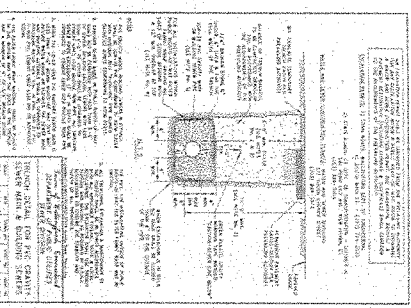
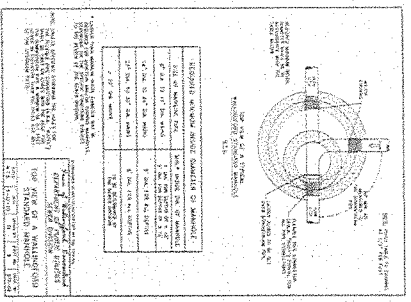
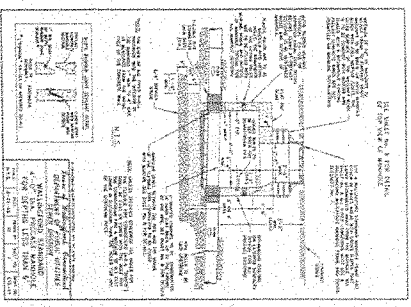
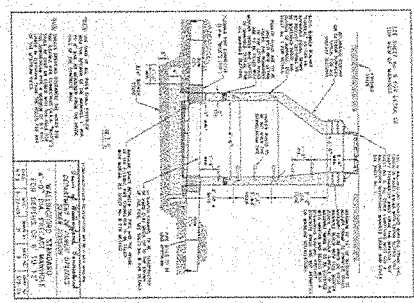
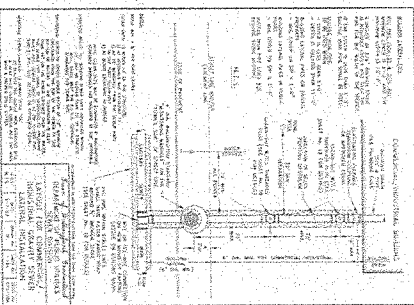
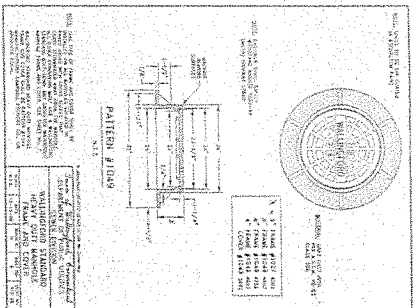
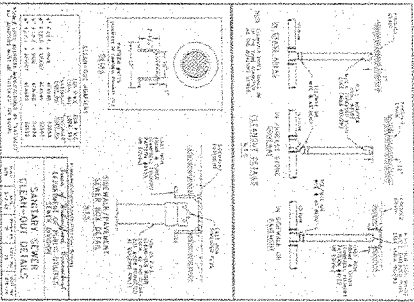
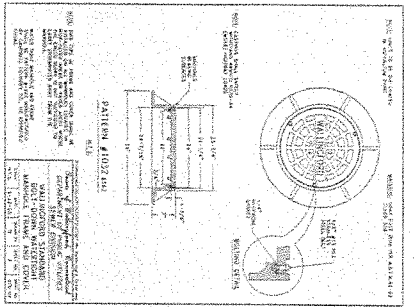
- 12.1. The sewerage system will be warranted for one year.
- 12.2. The manhole cover will be warranted for one year.
- 12.3. The contractor will be responsible for the cost of any repairs or replacements.

13. The sewerage system will be installed in accordance with the following disclaimer:

The contractor makes no representation or warranty, expressed or implied, as to the accuracy or completeness of the information provided in this plan. The contractor is not responsible for any errors or omissions in this plan. The contractor is not responsible for any consequences that may result from the use of this plan. The contractor is not responsible for any damages, including but not limited to, property damage, personal injury, or death, that may result from the use of this plan.

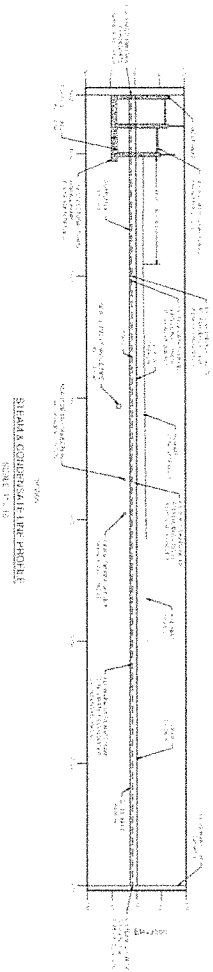
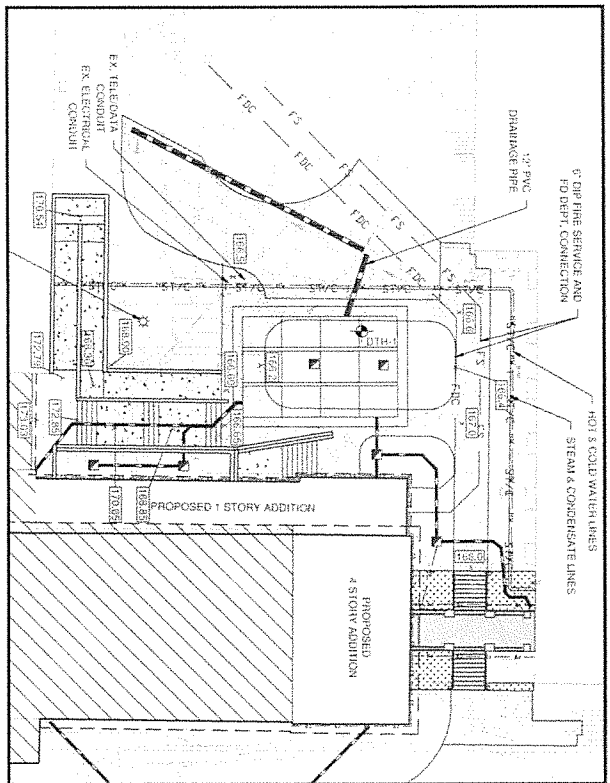


		<b>LANDTECH</b> 1234 N. LAKE SHORE DRIVE CHICAGO, IL 60610 TEL: (773) 555-1234 FAX: (773) 555-5678	 <b>bowler   jendry   architects</b> 1234 N. LAKE SHORE DRIVE CHICAGO, IL 60610 TEL: (773) 555-1234 FAX: (773) 555-5678	<b>SOIL ENGINEER</b> & <b>SEWERAGE CONTROL PLAN</b> <b>NOTES AND DETAILS</b> 123 Main Street Chicago, Illinois 60610 12/15/2023	<b>Hill House Renovations</b> Charles Rosenberry Hill 123 Main Street Chicago, Illinois 60610 12/15/2023	<b>C-501</b>
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 boston green architecture  
 100 STATE STREET, SUITE 200  
 BOSTON, MA 02109  
 TEL: 617.552.3333  
 WWW.BGARCHITECTURE.COM

**LANDTECH**  
 100 STATE STREET, SUITE 200  
 BOSTON, MA 02109  
 TEL: 617.552.3333  
 WWW.LANDTECH.COM



**Hill House Renovations**  
 Chester Rowsemy Hall  
 1450 N. 14th St. #20  
 Cambridge, MA 02142  
 TEL: 617.452.1234

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