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Transmitted via Overnight Delivery

March 18, 2005

Mr. James M. DiLorenzo
U.S. Environmental Protection Agency, Region 1
EPA New England (MC HBO)
One Congress Street, Suite 1100
Boston, MA 02114-2023

**Re: GE-Pittsfield/Housatonic River Site
20s Complex (GECD120)
Final Completion Report**

Dear Mr. DiLorenzo:

As you are aware, Paragraph 88.a of the October 2000 Consent Decree (CD) for the GE-Pittsfield/Housatonic River Site requires the General Electric Company (GE) to submit a Final Completion Report following the completion of a Removal Action which satisfies the performance standards provided in the *Statement of Work for Removal Actions Outside the River (SOW)* (Appendix E to the CD). Enclosed is a copy of the *Final Completion Report for 20s Complex Removal Action*, which represents the culmination of efforts conducted by GE to investigate and evaluate soils present within the 20s Complex Removal Action Area (RAA). This report demonstrates that the 20s Complex Removal Action has been completed in full satisfaction of the applicable requirements of the CD and that the performance standards for that Removal Action have been achieved.

Please contact me with any questions or comments regarding the enclosed report.

Sincerely,

Andrew T. Silfer, P.E.
GE Project Coordinator

Enclosure

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Statement and Certification by GE's Project Coordinator

I am the General Electric Company's (GE's) Project Coordinator for activities conducted by GE pursuant to the Consent Decree for the GE-Pittsfield/Housatonic River Site, which was entered by the United States District Court for the District of Massachusetts on October 27, 2000.

As described in this *Final Completion Report for the 20s Complex Removal Action*, the 20s Complex Removal Action required by the Consent Decree (excluding Post-Removal Site Control activities) has been completed in full satisfaction of the requirements of the Consent Decree relating to that Removal Action.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



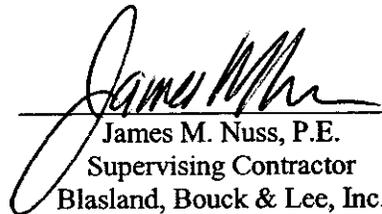
Andrew T. Silfer, P.E.
GE Project Coordinator

Date: March 18, 2005

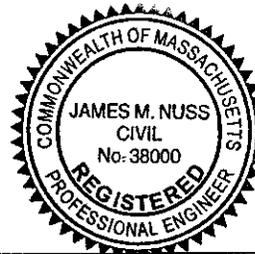
Statement by Supervising Contractor

I am a registered Professional Engineer and represent Blasland, Bouck & Lee, Inc. as the Supervising Contractor for work conducted by the General Electric Company pursuant to the Consent Decree for the GE-Pittsfield/Housatonic River Site, which was entered by the United States District Court for the District of Massachusetts on October 27, 2000.

Based on my inquiry of those individuals responsible for preparing this *Final Completion Report for the 20s Complex Removal Action*, the information contained in this report is, to the best of my knowledge and belief, true, accurate, and complete. As summarized in this report, the 20s Complex Removal Action required by the Consent Decree (excluding Post-Removal Site Control activities) has been completed in full satisfaction of the requirements of the Consent Decree relating to that Removal Action, and the Performance Standards set forth in the Consent Decree for that Removal Action have been attained.


James M. Nuss, P.E.
Supervising Contractor
Blasland, Bouck & Lee, Inc.

Date: March 18, 2005



Professional Engineer Seal
Massachusetts No. 38000

REPORT

***Final Completion Report
for the 20s Complex Removal Action***

**General Electric Company
Pittsfield, Massachusetts**

March 2005

BBL[®]
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

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1. Introduction

This *Final Completion Report for the 20s Complex Removal Action* (Final Completion Report) is submitted by the General Electric Company (GE), pursuant to Paragraph 88.a of the October 2000 Consent Decree (CD) for the GE-Pittsfield/Housatonic River Site, to request the U.S. Environmental Protection Agency (EPA) to issue a Certification of Completion for the 20s Complex Removal Action at this Site. The submittal of this Final Completion Report represents the culmination of efforts conducted by GE to investigate and evaluate soils present within the 20s Complex Removal Action Area (RAA). Figure 1 identifies the 20s Complex RAA and its location within GE's Pittsfield, Massachusetts facility. As discussed in this report, no soil-related remediation actions were necessary to achieve the applicable Performance Standards established in the CD for this RAA. GE is submitting this report for EPA approval and to request a Certification of Completion confirming that GE has satisfactorily completed the 20s Complex Removal Action and that the Performance Standards established in the CD for this Removal Action have been attained.

The activities completed by GE relating to the 20s Complex over the last few years have been consistent with the requirements of the CD and the accompanying *Statement of Work for Removal Actions Outside the River* (SOW) (Appendix E of the CD), and have involved (as appropriate) EPA, the Massachusetts Department of Environmental Protection (MDEP), the Pittsfield Economic Development Authority (PEDA), and the City of Pittsfield. These activities, each of which has been documented in various reports and other submittals to the EPA, have included the following:

- Sampling and analysis of soils throughout the 20s Complex to assess the presence of polychlorinated biphenyls (PCBs) and other hazardous constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents – benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine (Appendix IX+3). These activities included sampling conducted by GE prior to the CD and pre-design soil investigations performed in accordance with the CD and SOW.
- Performance of Removal Design/Removal Action (RD/RA) evaluations to determine the need for and scope of response actions necessary to achieve the soil-related Performance Standards established in the CD and SOW for the 20s Complex.
- Demolition of several existing structures located within the 20s Complex, as part of the Definitive Economic Development Agreement (DEDA) between GE and PEDA. The actual demolition

activities were not subject to the CD and SOW. However, since certain disposition activities occurred at locations within the GE facility (i.e., the On Plant Consolidation Areas [OPCAs]), the disposition of demolition debris associated with those activities was subject to the CD and SOW.

- Establishment of a Grant of Environmental Restriction and Easement (ERE) for the 20s Complex, which establishes allowable and prohibited future uses of and activities on the property, as well as related reporting, protocols, and documentation associated with future site activities. This ERE has been approved by EPA, accepted by MDEP as the Grantee, and recorded in the Berkshire Middle District Registry of Deeds on February 10, 2005, in Book 3156, Page 122, accompanied by a Plan of Restricted Area, which was recorded in the Berkshire Middle District Registry of Deeds on February 10, 2005 in Plat G, No. 348.
- Performance of a Pre-Certification Inspection of the 20s Complex in accordance with Paragraph 88.a of the CD. The inspection was conducted on February 15, 2005, and was attended by EPA, MDEP, GE, and PEDDA representatives.

As described in Section 3.6 of the SOW, a Final Completion Report is intended to provide a detailed summary of the soil-related response actions that have been performed within the RAA (e.g., soil removal, engineered barrier installation, etc.) to achieve the applicable Performance Standards established in the CD and SOW. Such a document would then serve as the basis for GE's determination that the response actions have been completed in accordance with the applicable requirements of the CD. However, for the 20s Complex, the soil investigations and technical RD/RA evaluations resulted in the determination that current conditions already achieve the applicable Performance Standards, such that no soil remediation actions were necessary. As a result, this Final Completion Report does not provide details concerning completed soil remediation actions, but rather summarizes the investigations and evaluations that have been performed for this RAA.

Based on activities completed to date, including the execution and recording of an ERE, GE has satisfied all applicable soil-related Performance Standards established in the CD and SOW for the 20s Complex Removal Action. As a result, consistent with the requirements of Paragraph 88.a of the CD, GE and its Supervising Contractor (Blasland, Bouck & Lee, Inc.) have prepared statements indicating that the 20s Complex Removal Action has been completed in full satisfaction of the applicable requirements of the CD. These statements are included in this Final Completion Report.

The soil investigations and RD/RA evaluations performed for the 20s Complex have generated an enormous amount of information, summarized in various documents related to the proposed and completed soil investigations and the results of technical RD/RA evaluations. In addition, EPA has provided approval or conditional approval of each such GE submittal. Collectively, this information serves as the basis for GE's conclusion that the applicable soil-related Performance Standards for the 20s Complex Removal Action have been achieved. It is not possible to include all of the available information within this Final Completion Report, nor is that the objective of this report, as discussed above. As a result, this Final Completion Report provides a general overview of the investigations and evaluations that GE has performed for this RAA, with references to more detailed reports and other correspondence.

Included in this report are summaries of pre-design and other soil investigations (Section 2), RD/RA evaluations for PCBs and other Appendix IX+3 constituents in soil (Section 3), the building demolition activities performed by GE in this area (Section 4), and activities performed since completion of the RD/RA evaluations (Section 5). Finally, this Final Completion Report includes comparison of current site conditions to the applicable soil-related Performance Standards for the 20s Complex (Section 6) and a discussion of anticipated future inspection and maintenance activities for the 20s Complex (Section 7). A Post-Removal Site Control Plan for the 20s Complex is provided in Attachment A. Attachment B contains photographs that depict site conditions prior to the demolition activities that occurred after the CD was entered and the condition of this RAA at the time of the Pre-Certification Inspection that was conducted on February 15, 2005. Attachment C contains a topographic survey map representing site conditions as of September 2004 and a Plan of Restricted Area map for the 20s Complex.

2. Summary of Completed Soil Investigations

Over the last few years, GE has performed a number of sampling and analysis activities within the 20s Complex as part of pre-design soil investigations required pursuant to the CD and Attachment D of the SOW. The data generated by these activities (as well as certain sampling data obtained from investigations conducted by GE dating back to 1996) have been used to characterize existing conditions with respect to PCBs and other Appendix IX+3 constituents and to support the performance of technical RD/RA evaluations to assess the potential need for soil-related response actions to achieve the applicable Performance Standards.

As part of the pre-design activities under the CD, the following documents were prepared between January 2000 and March 2001 to propose the scope of pre-design investigations for the 20s Complex, and then to report on the results of those investigations:

- *Pre-Design Investigation Work Plan for Removal Actions for 20s, 30s, and 40s Complexes* (Pre-Design Work Plan), BBL, January 2000, revised and resubmitted June 2000. (EPA conditional approval of this work plan was provided in a letter to GE dated October 16, 2000.)
- *Pre-Design Investigation Report for Removal Actions for 20s, 30s, and 40s Complexes* (Pre-Design Report), BBL, March 2001. (EPA approval of this report was provided in a letter to GE dated August 7, 2001.)

All of the sampling data have been subject to a data quality review and assessment pursuant to the EPA-approved *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP) in effect at the time of the review (BBL, September 2000, approved by EPA by letter of October 17, 2000). Only data of acceptable quality were included in subsequent RD/RA evaluations.

3. Summary of RD/RA Soil Evaluations

Following completion of the pre-design soil investigations, GE performed technical RD/RA evaluations to assess the need for soil remediation actions to achieve the applicable Performance Standards established in the CD and SOW. The RD/RA evaluations were performed in accordance with the procedures established in Technical Attachments E and F of the SOW for PCBs and other Appendix IX+3 constituents in soil, respectively. These evaluations resulted in the determination that current conditions at the 20s Complex already achieve the applicable soil-related Performance Standards, such that no remediation actions for soils are necessary. This determination was initially presented in the *Conceptual Removal Design/Removal Action Work Plan for the 20s, 30s, and 40s Complexes* (Conceptual RD/RA Work Plan), prepared by BBL and submitted to EPA in December 2001. That document was subsequently supplemented by three additional submittals: (1) a February 7, 2002 submittal titled *Revised PCB Spatial Averaging Tables*, prepared by GE; (2) a February 15, 2002 submittal titled *Addendum to Conceptual RD/RA Work Plan*, prepared by GE (which presented the results of supplemental pre-design soil sampling for, and an evaluation of, certain volatile and semi-volatile organic constituents that had not been detected but had elevated detection limits); and (3) a March 4, 2002 submittal titled *Revised Risk Evaluation of Appendix IX+3 Constituents in Soils*, prepared by GE's risk assessment consultants at AMEC Earth & Environmental. The Conceptual RD/RA Work Plan, as supplemented by these three additional submittals, was conditionally approved by EPA in letter dated March 19, 2002. In that letter, EPA indicated its concurrence with GE's conclusion that no soil-related remediation was necessary at the 20s Complex.

4. Summary of Building Demolition and Related Activities

GE has conducted various building demolition activities at the 20s Complex prior to and concurrent with the performance of the soil investigations and RD/RA-related activities described in Sections 2 and 3 of this Final Completion Report. For the purposes of this report, the demolition activities performed by GE within the 20s Complex RAA will be grouped into four primary areas – the former 20s building complex (Buildings 24, 24A, 24F, 26, 26A, 26B, 27, 28 and 29), the former Building 29A Area, the former Building 25 Area, and the former Building 29B Area. For each of these areas, the demolition activities themselves were not subject to the CD and SOW. In fact, the demolition activities conducted at the former 20s building complex and former Building 29A Area were completed in the late 1980s, prior to the execution of the CD, and the associated building demolition debris along with some equipment were consolidated within the basements of three of the razed buildings. The demolition activities at the former Building 25 Area and former Building 29B Area, which occurred subsequent to entry of the CD, involved the disposition of the demolition debris at the OPCAs, which was subject to certain provisions of the CD and SOW and thus required review and approval by EPA. This section provides additional information regarding the demolition activities conducted prior to execution of the CD and those subsequent activities for which disposition of the materials was covered by the CD.

4.1 Pre-CD Demolition Activities

The former 20s building complex occupied the central portion of the 20s Complex RAA. The nine buildings that comprised this area were demolished in 1988, while former Building 29A was razed in 1989. In general, the approach for demolishing these structures involved razing the above-grade portion of the buildings, followed by the placement of certain of the demolition debris (e.g., steel, brick, concrete, etc.) and other clean backfill materials in the subgrade portion of former building foundations (Buildings 24 and 29 for the former 20s building complex and Building 29A for that building). Following the consolidation of this demolition debris in the former building foundations, a barrier consisting of a 1-foot-thick reinforced concrete slab was constructed over a majority of the footprint of the former 20s building complex and over the entire footprint of former Building 29A, with a final bituminous asphalt surface placed over the concrete slabs. The approximate limits of these barriers, designated collectively as the “Building Demolition Barrier Area,” are shown on Figures 2 and 3, while Figure 3 also depicts the approximate limits of the areas where building demolition debris were placed within the former building foundations.

Consistent with the CD and SOW, the technical RD/RA evaluations summarized in Section 3 of this Final Completion Report did not consider the soils present beneath the footprint of either barrier. In addition, the ERE designates these two areas as the “Building Demolition Barrier Area” and prohibits future construction activities within those areas. Finally, as discussed in Section 7 of this Final Completion Report, the barriers will be subject to periodic future inspection and maintenance activities.

4.2 Post-CD Demolition Activities

During the summer and fall of 2003, pre-demolition activities (e.g., asbestos removal) and demolition activities occurred at Building 25 followed by similar activities occurring at Building 29B during the fall and winter of 2003. Prior to conducting these demolition activities, GE collected representative samples of the building material(s) for characterization purposes to determine if certain materials could be disposed of at the OPCAs in accordance with the CD, SOW, and GE’s Project Operations Plan (POP) under the CD. The results for the two buildings (Buildings 25 and 29B) were presented to EPA in separate letters dated September 27, 2001 and April 17, 2003, respectively. Those letters included proposals for consolidating select building demolition debris (e.g., steel, brick, concrete, etc.) at the OPCAs. EPA subsequently approved those proposals in letters dated November 14, 2001 and May 22, 2003, respectively. In accordance with those approved proposals, certain materials generated during each building demolition were disposed of at the OPCAs.

5. Post-RD/RA Activities

Following the completion of the technical RD/RA evaluations, and the determination that current soil conditions with respect to PCBs and other Appendix IX+3 constituents achieve the applicable Performance Standards, GE performed other activities necessary to achieve the remaining Performance Standards, prepare the 20s Complex for transfer to PEDDA, and complete the activities necessary to request from EPA a Certification of Completion. This section describes these activities.

5.1 Grant of Environmental Restrictions and Easements (EREs)

The CD (Paragraphs 24.a and 54) requires that GE execute and record an ERE for the 20s Complex in order to satisfy one of the applicable Performance Standards. Based on discussions among EPA, MDEP, PEDDA, and GE, the ERE prepared for the 20s Complex included a number of agreed-upon modifications to the model ERE included in Appendix L of the CD. The 20s Complex ERE includes three current types of restricted areas, referred to as the “Building Demolition Barrier Area,” the “Open Soil/Vegetated Area”, and the “Other Ground Covering Feature Area,” which are depicted on a Plan of Restricted Area referenced in the ERE and on Figures 2 and 3 in this report. As noted above, the Building Demolition Barrier Area consists of the areas where paved barriers were installed over the building demolition debris placed in the subgrade foundations of buildings; excavation activities are prohibited in those areas (except in emergencies). The Other Ground Covering Feature Area consists of other areas covered by building foundations, slabs, or pavement, while the Open Soil/Vegetated Area consists of the remainder of the 20s Complex. Excavation activities in these areas are permitted but only subject to certain restrictions and requirements set forth in the ERE.

The fully executed ERE for the 20s Complex, together with associated documentation (including certain subordination agreements and a title insurance commitment), were submitted to EPA and MDEP on January 28, 2005. The ERE was subsequently approved by EPA and accepted by MDEP as the Grantee, and it was recorded in the Berkshire Middle District Registry of Deeds on February 10, 2005. The Plan of Restricted Area referenced in the ERE was separately recorded on the same date. Further, in accordance with Paragraphs 54.g and 54.h of the CD, GE provided to EPA and MDEP copies of the recorded ERE and Plan of Restricted Area, as well as final title insurance policies, by letter of February 17, 2005, from GE’s counsel. (To date, GE has not received subordination agreements from Berkshire Gas Company for the easements that Berkshire Gas holds in the 20s Complex, but it anticipates receiving such subordination agreements shortly.)

5.2 Pre-Certification Inspection

Following execution and recording of the ERE, GE concluded that the 20s Complex Removal Action has been fully performed and that the applicable Performance Standards for this Removal Action have been attained. As a result, a Pre-Certification Inspection of the 20s Complex was conducted in accordance with Paragraph 88.a of the CD. The inspection, held on February 15, 2005, was attended by representatives of EPA, MDEP, GE, and PEDDA. Based on the outcome of that inspection (during which no issues regarding the completed response actions were identified), GE maintains its conclusion that the Removal Action is complete and that the Performance Standards have been achieved. Therefore, in accordance with Paragraph 88.a of the CD, GE has prepared this report requesting EPA to provide a Certification of Completion for the 20s Complex Removal Action. This report includes the required statements prepared by GE's Project Coordinator and its Supervising Contractor.

6. Comparison to CD Performance Standards

As noted above, GE's execution and recording of the ERE for the 20s Complex have satisfied the Performance Standard requiring such actions. This section summarizes the basis for GE's conclusion that existing soil conditions at the 20s Complex satisfy the other applicable Performance Standards for PCBs and other Appendix IX+3 constituents.

6.1 Evaluations for PCBs in Soils

The PCB-related Performance Standards for soils within the 20s Complex pertain to specific soil depth increments (i.e., 0 to 1 foot, 1 to 6 feet, and 0 to 15 feet), as well as to the 1- to 6-foot depth increment in subsurface utility corridors for utilities that may be subject to future emergency repair. For each of these depth increments, the need for remediation is based on comparison of a spatial average PCB concentration (calculated in accordance with Attachment E of the SOW) to numerical, risk-based concentrations established in the CD and SOW. The soil data used to support these evaluations are included in the Pre-Design Investigation Report. (In accordance with the SOW, the pre-design soil samples were generally collected on an approximate 100-foot grid in unpaved areas and at a frequency of approximately two samples per acre in paved areas, including building slabs.) A summary of the evaluations is presented below.

Performance Standard - For the 0- to 1-foot depth increment, remediation is required if the spatial average PCB concentration in the top foot of the unpaved areas or of the overall area (paved and unpaved combined) exceeds 25 ppm. In addition, there must be no soils containing PCB concentrations greater than 125 ppm in the top foot of the unpaved areas.

- **Achieved.** The Conceptual Work Plan reported that the spatial average PCB concentrations for the top one foot of soil in unpaved areas (8.12 ppm) and in the overall area (9.47 ppm) are well below 25 ppm, while the maximum PCB concentration in the top foot of unpaved soils in the 20s Complex RAA is 91 ppm, which is below the not-to-exceed level of 125 ppm for such soils. The data used to develop these spatial averages included results from 33 soil samples (including historical and EPA split samples) from 29 locations within the 20s Complex, as well as six soil samples from six nearby locations within the 30s Complex.

Performance Standard - For the 1- to 6-foot depth increment, remediation is required if the spatial average PCB concentration in that depth increment exceeds 200 ppm.

- **Achieved.** As reported in the Conceptual Work Plan, the spatial average PCB concentration for the 1- to 6-foot depth increment (25.5 ppm) is well below 200 ppm. The data used to develop this spatial average included results from 40 soil samples (including historical and EPA split samples) from 29 locations within the 20s Complex, as well as six soil samples from six nearby locations within the 30s Complex.

Performance Standard - Where utilities potentially subject to emergency repair (e.g., water, gas, sewer, electricity, communication, and stormwater) are present and the spatial average PCB concentration in the corresponding utility corridor exceeds 200 ppm in the 1- to 6-foot depth increment, GE must evaluate whether any additional response actions are necessary. In addition, in the event that a new subgrade utility is installed or an existing subgrade utility is repaired or replaced in the future, the spatial average PCB concentration of the backfill materials must be at or below 25 ppm.

- **Achieved.** As discussed in the Conceptual Work Plan, all PCB sample results within the uppermost 6 feet of soil at the 20s Complex were less than 200 ppm except at two discrete sample locations (RAA3-4 and 95-11). For the utility network area associated with location RAA3-4, the PCB spatial average concentration was approximately 37 ppm, while the spatial average concentration for the utility corridor associated with location 95-11 was approximately 150 ppm. Based on these results, GE concluded that it was unnecessary to conduct a further evaluation of the need for separate response actions for the utility corridors at the 20s Complex. The ERE includes provisions related to future installation and repair of subgrade utilities.

Performance Standard - If the spatial average PCB concentration for the 0- to 15-foot depth increment exceeds 100 ppm (after incorporating the performance of any other required remediation), GE is required to install an engineered barrier.

- **Achieved.** The Conceptual Work Plan shows that the spatial average PCB concentration for the 0- to 15-foot depth increment (26.88 ppm) is well below 100 ppm. This spatial average concentration was calculated based on the results from the soil samples collected to evaluate the 0- to 1-foot and 1- to 6-foot depth increments (as described above), plus the results from 36 additional (deeper) soil samples

(including historical and EPA split samples) collected from 22 locations within the 20s Complex, as well as six nearby locations within the 30s Complex.

Based on the above comparisons, the applicable Performance Standards for PCBs in soil at the 20s Complex have been achieved.

6.2 Evaluations for Non-PCB Appendix IX+3 Constituents in Soil

The Performance Standards established in the CD and SOW for non-PCB Appendix IX+3 constituents in soil set forth a prescribed process that includes and considers (as needed) several evaluation components. This process includes: (1) comparison to specific EPA-established Preliminary Remediation Goals (PRGs) for dioxin/furan Toxicity Equivalency Quotients (TEQs); and (2) several steps for other non-PCB constituents, including (a) a screening step based on comparison of maximum detected concentrations to EPA Region IX PRGs (or surrogate PRGs), (b) comparison of average concentrations of the remaining constituents to the Method 1 soil standards set forth in the Massachusetts Contingency Plan (MCP), and (c) if any of those Method 1 standards is exceeded, the performance of an area-specific risk assessment for all constituents that were retained following the screening, using the same exposure scenarios and assumptions used by EPA in developing the PCB Performance Standards. The Appendix IX+3 evaluations for constituents other than PCBs and dioxins/furans were conducted using the area-specific risk assessment method. For the 20s Complex, a total of 32 soil samples (including historical and EPA split samples) were analyzed for one or more of the non-PCB Appendix IX+3 constituent groups.

Performance Standards - For dioxins/furans, a total TEQ concentration must be calculated for each sample, using the Toxicity Equivalency Factors (TEFs) published by the World Health Organization. For each relevant depth increment, the maximum TEQ concentration or the 95% upper confidence limit (95% UCL) on the mean of TEQ concentrations, whichever is lower, must be compared to the applicable PRG established by EPA for such TEQs in commercial/industrial areas – 5 ppb in the top foot and 20 ppb in subsurface soil. If the maximum or 95% UCL TEQ concentration is less than the applicable PRG, no further response actions are necessary.

- **Achieved.** As presented in the Conceptual Work Plan, the maximum TEQ concentrations for soils in the 20s Complex (for each depth increment) are below the applicable PRGs for commercial/industrial

areas. As a result, there was no need to calculate the 95% UCLs for the TEQ concentrations. Based on this analysis, no response actions to address dioxins/furans are necessary.

Performance Standards – As an initial screening step, the maximum concentrations of all detected constituents must be compared to the EPA Region IX PRGs (or surrogate PRGs approved by EPA) for industrial areas. For all constituents that are retained after this screening, if an area-specific risk assessment is performed, the average concentrations of those constituents (excluding PCBs and dioxins/furans) must be evaluated using the same exposure scenarios and assumptions used by EPA in developing the applicable PCB Performance Standards (as set forth in Appendix D to the CD), together with standard EPA toxicity values. If the results of that area-specific risk evaluation result in cumulative excess lifetime cancer risks (ELCRs) less than 1×10^{-5} (after rounding) and non-cancer Hazard Indices (HIs) less than 1.0 (after rounding), no further response actions are necessary. In addition, EPA has agreed that, for the 0- to 15-foot depth increment, since the CD does not contain any specific exposure scenario, an area-specific risk assessment may include comparison of the average concentrations in that depth increment to the Upper Concentration Limits (UCLs) set forth in the MCP.

- **Achieved.** The 20s Complex risk assessment described in the Conceptual Work Plan, as revised in GE's March 4, 2002 submittal titled *Revised Risk Evaluation of Appendix IX+3 Constituents in Soils* (prepared by AMEC Earth & Environmental), followed the above procedures. It demonstrated that: (1) for the 0- to 1-foot and 1- to 6-foot depth increments, the cumulative ELCRs calculated for the carcinogenic constituents retained for evaluation following the initial screening (i.e., benzo(a)pyrene and arsenic) were well below the 1×10^{-5} benchmark; (2) for the same depth increments, the non-cancer HIs calculated for the only retained constituent with a non-cancer Reference Dose (arsenic) were well below 1.0; and (3) the average concentrations of both retained constituents in the 0- to 15-foot depth increment are below the applicable MCP UCLs.

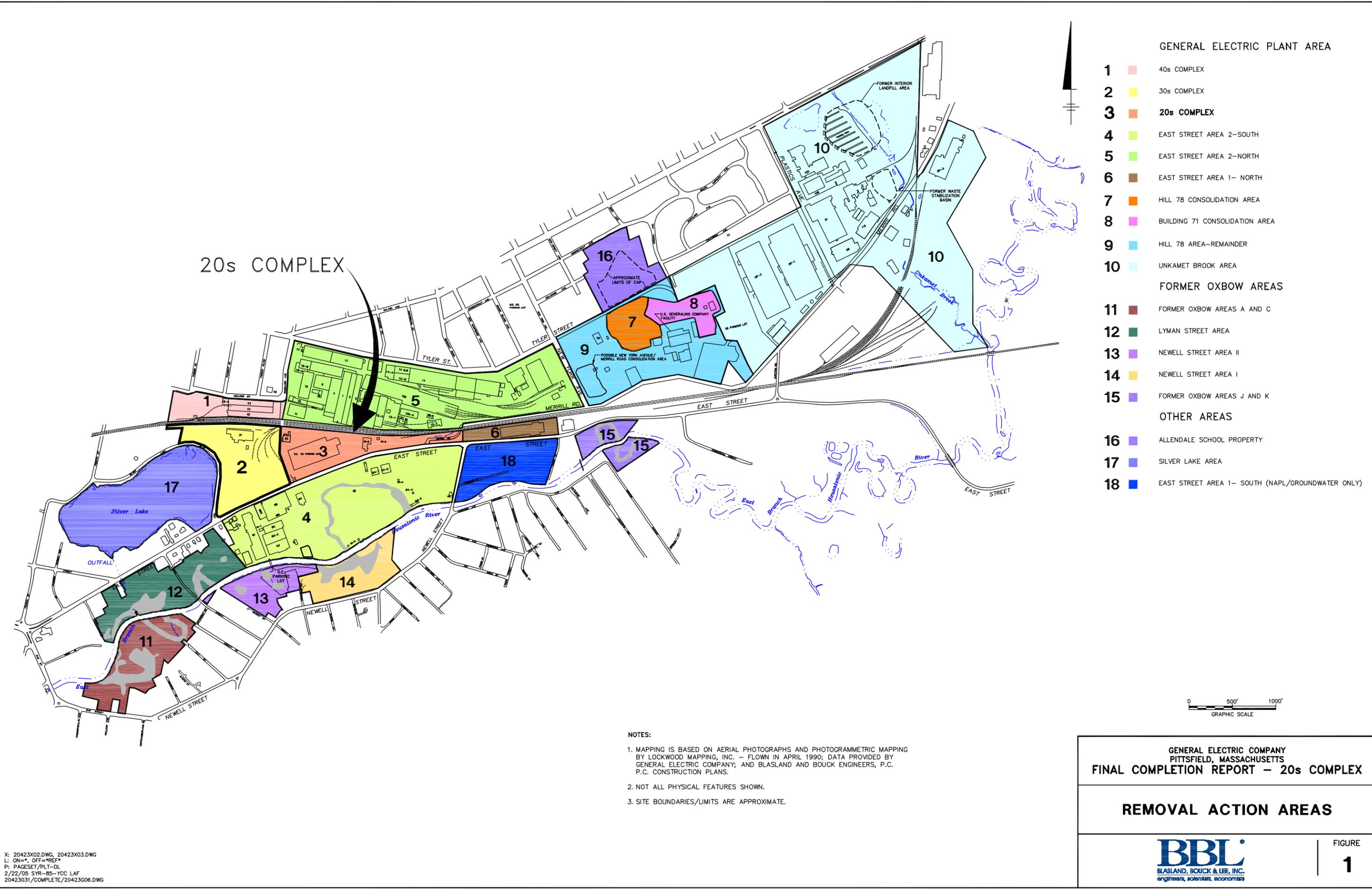
Based on the above comparisons, the applicable Performance Standards for non-PCB Appendix IX+3 constituents in soil at the 20s Complex have been achieved.

7. Future Inspection and Maintenance Activities

Future inspection and maintenance activities related to soils within the 20s Complex will be conducted in accordance with Section 3.7 of the SOW and Paragraph 57.o of the CD. These activities will include semi-annual inspection, maintenance, and repair activities (I/M activities) for the Building Demolition Barrier Area (as defined in the ERE), which consists of the paved barriers that were installed over the building demolition debris placed in the subgrade foundations of the former 20s building complex and the former Building 29A Area. These activities will consist of the activities specified in Section 2.1.2 (related to asphalt or concrete engineered barriers) of Technical Attachment J of the SOW, and are described in the Post-Removal Site Control Plan (PRSCP) for the 20s Complex, which is Attachment A to this Final Completion Report. The CD requires that, following transfer of the 20s Complex to PEDDA, these I/M activities are to be performed by PEDDA, as provided in Paragraphs 12.b(ii)(B) and 12.c(ii)(B) of the CD, unless EPA determines that PEDDA has ceased to exist or otherwise will not or cannot perform such obligations.

In addition, as required by Paragraph 57.o of the CD, annual inspections will be conducted at the 20s Complex to assess compliance with the ERE for the preceding year. These annual inspections will be conducted in accordance with Appendix Q to the CD and are described in the PRSCP provided in Attachment A hereto. Consistent with Paragraph 57.o of the CD, following transfer of the 20s Complex to PEDDA, these inspection activities will be conducted by GE until such time, if any, as PEDDA conveys an interest in that property to another party. However, during this period, PEDDA will be responsible for compliance with the requirements of the ERE, as provided in Paragraph 12.b(ii)(A) of the CD and by the terms of the ERE. Following PEDDA's conveyance of an interest in all or a portion of the 20s Complex to another party, the ERE inspection activities for the transferred portion, as well as the obligation to ensure that the ERE requirements are met in that portion, are required to be performed by PEDDA, as provided in Paragraph 12.c(ii)(A) of the CD, unless EPA determines that PEDDA has ceased to exist or otherwise will not or cannot perform such obligations.

Figures



20s COMPLEX

- GENERAL ELECTRIC PLANT AREA
- 1 40s COMPLEX
- 2 30s COMPLEX
- 3 20s COMPLEX
- 4 EAST STREET AREA 2-SOUTH
- 5 EAST STREET AREA 2-NORTH
- 6 EAST STREET AREA 1- NORTH
- 7 HILL 78 CONSOLIDATION AREA
- 8 BUILDING 71 CONSOLIDATION AREA
- 9 HILL 78 AREA-REMAINDER
- 10 UNKAMEET BROOK AREA
- FORMER OXBOW AREAS
- 11 FORMER OXBOW AREAS A AND C
- 12 LYMAN STREET AREA
- 13 NEWELL STREET AREA II
- 14 NEWELL STREET AREA I
- 15 FORMER OXBOW AREAS J AND K
- OTHER AREAS
- 16 ALLENDALE SCHOOL PROPERTY
- 17 SILVER LAKE AREA
- 18 EAST STREET AREA 1- SOUTH (NAPL/GROUNDWATER ONLY)

NOTES:

- MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. - FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY; AND BLASLAND AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
- NOT ALL PHYSICAL FEATURES SHOWN.
- SITE BOUNDARIES/LIMITS ARE APPROXIMATE.

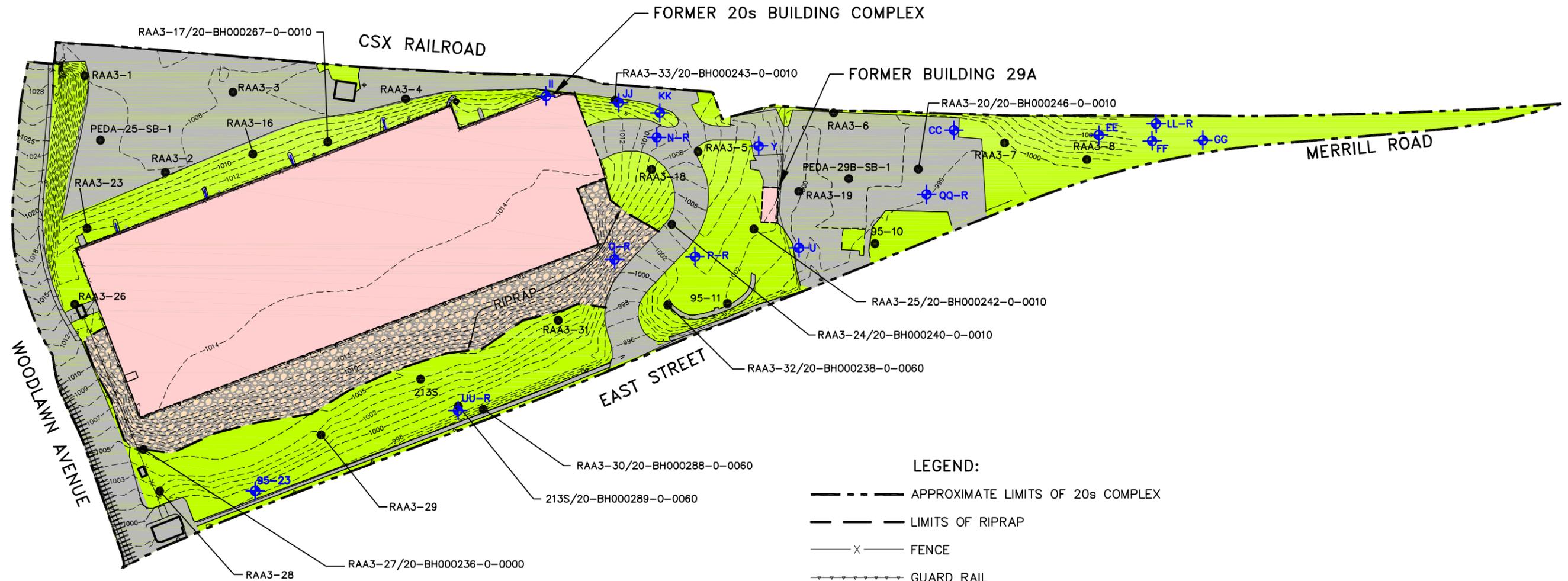
GENERAL ELECTRIC COMPANY
 PITTSFIELD, MASSACHUSETTS
 FINAL COMPLETION REPORT - 20s COMPLEX

REMOVAL ACTION AREAS

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

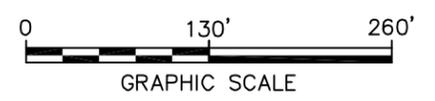
FIGURE
1

X: 20423X02.DWG, 20423X03.DWG
 L: ON=*, OFF=*REF*
 P: PAGESET/PLT-DL
 2/22/05 SYR-85-YCC LAF
 20423031/COMPLETE/20423G06.DWG



- NOTES:**
1. BASE MAP INCLUDING TOPOGRAPHY WAS OBTAINED FROM A SURVEY PREPARED BY HILL ENGINEERS, ARCHITECTS, AND PLANNERS, DRAWING NO. GE-1085-8, DATED 9/7/04, REV. A DATED 10/29/04.
 2. SEE ADDITIONAL EXCAVATION RESTRICTION AREA IDENTIFIED IN AN INSTRUMENT RECORDED IN THE BERKSHIRE MIDDLE DISTRICT REGISTRY OF DEEDS IN BOOK 1351, PAGE 207.
 3. ALL SAMPLING LOCATIONS ARE APPROXIMATE.

- LEGEND:**
- APPROXIMATE LIMITS OF 20s COMPLEX
 - LIMITS OF RIPRAP
 - X FENCE
 - GUARD RAIL
 - HYDRANT
 - ◊ STREET LIGHT
 - SIGNAL
 - UNPAVED (GRASS/DIRT/GRAVEL)
 - PAVED (ASPHALT/CONCRETE)
 - BUILDING DEMOLITION BARRIER AREA
 - RIPRAP
 - ⊕ MONITORING WELL AND CORRESPONDING SOIL SAMPLING LOCATION
 - SOIL BORING LOCATION



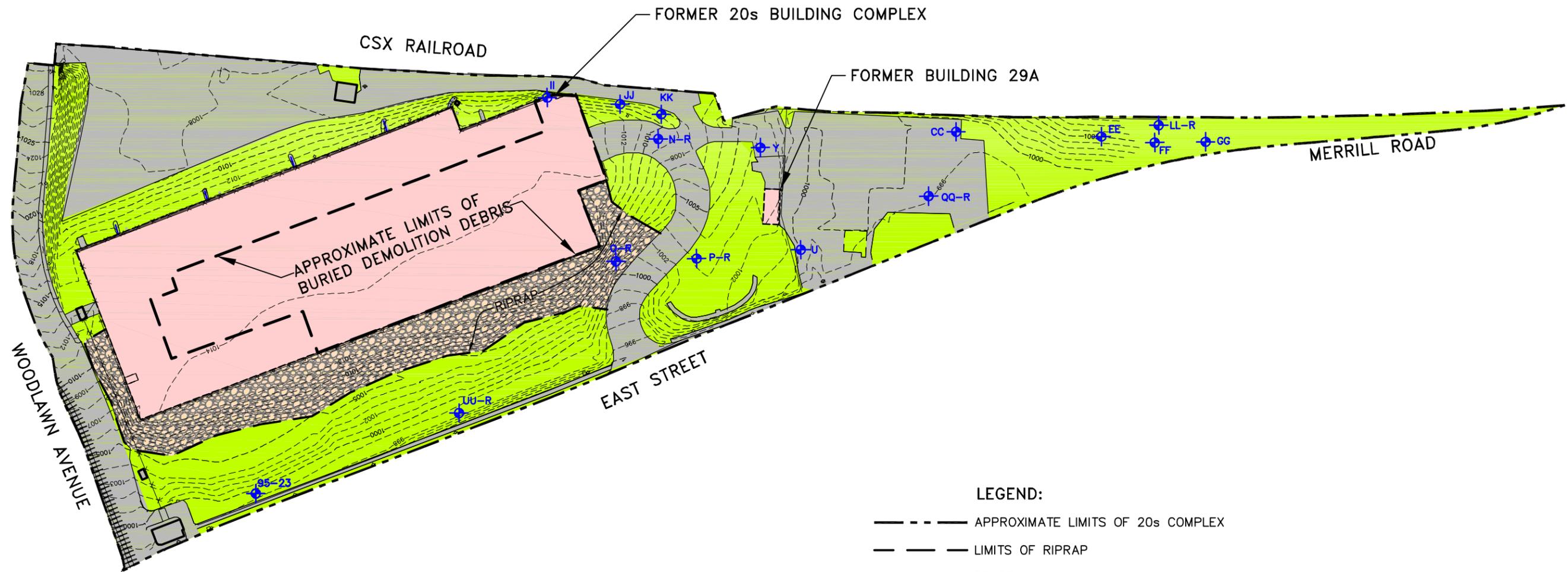
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FINAL COMPLETION REPORT - 20s COMPLEX

SOIL SAMPLE LOCATIONS

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

FIGURE
2

X: 20423X01.DWG
L: ON=*, OFF=REF*
P: PAGESET/SYR-DL
3/16/05 SYR-85-DMW NES LAF
N/20423031/COMPLETE/20423G03.DWG



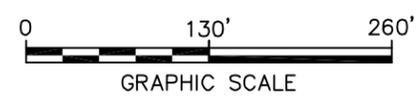
APPROXIMATE LIMITS OF BURIED DEMOLITION DEBRIS

LEGEND:

- APPROXIMATE LIMITS OF 20s COMPLEX
- - - LIMITS OF RIPRAP
- X — FENCE
- - - - - GUARD RAIL
- ⊕ HYDRANT
- ⊕ STREET LIGHT
- ⊕ SIGNAL
- UNPAVED (GRASS/DIRT/GRAVEL)
- PAVED (ASPHALT/CONCRETE)
- BUILDING DEMOLITION BARRIER AREA
- RIPRAP
- ⊕ MONITORING WELL

NOTES:

1. BASE MAP INCLUDING TOPOGRAPHY WAS OBTAINED FROM A SURVEY PREPARED BY HILL ENGINEERS, ARCHITECTS, AND PLANNERS, DRAWING NO. GE-1085-8, DATED 9/7/04, REV. A DATED 10/29/04.
2. SEE ADDITIONAL EXCAVATION RESTRICTION AREA IDENTIFIED IN AN INSTRUMENT RECORDED IN THE BERKSHIRE MIDDLE DISTRICT REGISTRY OF DEEDS IN BOOK 1351, PAGE 207.
3. ALL SAMPLING LOCATIONS ARE APPROXIMATE.



GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FINAL COMPLETION REPORT - 20s COMPLEX

SITE FEATURES

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

X: 20423X01.DWG
L: ON=*, OFF=*REF*
P: PAGESET/PLT-BL1
3/16/05 SYR-85-DMW LAF
N/20423031/COMPLETE/20423G01.DWG

Attachments

Attachment A

Post Removal Site Control Plan

Attachment A - Post-Removal Site Control Plan

As described in the *Final Completion Report for the 20s Complex Removal Action* (Final Completion Report), the 20s Complex Removal Action, excluding for Post-Removal Site Control activities, has been completed in full satisfaction of the requirements of the Consent Decree (CD), and the Performance Standards set forth in the CD for that Removal Action have been attained. In accordance with Section 3.7 of the *Statement of Work for Removal Actions Outside the River* (SOW), which is Appendix E of the CD, and as required in Technical Attachment J of the SOW, this Post-Removal Site Control Plan (PRSCP) describes the future inspection, maintenance, and repair activities (I/M activities) to be conducted at the 20s Complex. These activities will be focused on the Building Demolition Barrier Area (as defined in the Grant of Environmental Restriction and Easement [ERE] for the 20s Complex), which consists of paved barriers that were installed over the building demolition debris placed in the subgrade foundations of the former 20s building complex and the former Building 29A Area, as described in the Final Completion Report. Construction plans for these barrier areas date back to the late 1980s and copies of those that are available have been included on a CD-ROM disk (provided herewith) for assisting in future assessments and/or repairs of the Building Demolition Barrier Area. These I/M activities will be conducted on a semi-annual basis and will consist of the activities specified in Section 2.1.2 (related to asphalt or concrete engineered barriers) of Technical Attachment J of the SOW, as described further below. The CD requires that, following transfer of the 20s Complex to the Pittsfield Economic Development Authority (PEDA), these I/M activities are to be performed by PEDA, as provided in Paragraphs 12.b(ii)(B) and 12.c(ii)(B) of the CD, unless EPA determines that PEDA has ceased to exist or otherwise will not or cannot perform such obligations.

In addition to these I/M activities, following transfer of the 20s Complex to PEDA, annual inspections will be conducted at the transferred property to assess compliance with the ERE for the preceding year, as required by Paragraph 57.o of the CD. These inspections will be conducted in accordance with Appendix Q to the CD and will include a document review and visual inspection of the entire 20s Complex, as also described below. Consistent with Paragraph 57.o of the CD, these activities will be conducted by the General Electric Company (GE) until such time, if any, as PEDA conveys an interest in the 20s Complex property to another party. However, during this period, PEDA will be responsible for compliance with the requirements of the ERE, as provided in Paragraph 12.b(ii)(A) of the CD and by the terms of the ERE. Following PEDA's conveyance of an interest in all or a portion of the 20s Complex to another party, the ERE inspection activities for the transferred portion, as well as the obligation to ensure that the ERE requirements are met in that portion, are required to be performed by PEDA, as provided in Paragraph 12.c(ii)(A) of the CD, unless EPA determines that PEDA has ceased to exist or otherwise will not or cannot perform such obligations.

Semi-Annual Inspection, Maintenance, and Repair Activities

The paved barriers which comprise the Building Demolition Barrier Area at the 20s Complex will be inspected on a semi-annual basis (anticipated to be in the spring and fall of each year), subject to approval by the U.S. Environmental Protection Agency (EPA) of a different frequency at a later time. EPA and the Massachusetts Department of Environmental Protection (MDEP) will be provided seven (7) days advance notice prior to performing inspections. These inspections will generally be performed by walking the entire barrier surface area. During these inspections, the overall condition of the paved barrier surfaces will be assessed. This assessment will consist of visual inspection of the surface of these barriers for excessive cracking, fissures, spalling, or potholes caused by heaving, uneven settlement, and/or vehicular use. In addition, these surfaces will be inspected for evidence of depressions and/or water ponding, excessive rutting, or exposed subbase materials. At a minimum, the following observations will be noted: weather conditions during the inspection, any recent change in use of the barrier surface area, and physical changes and conditions in areas immediately adjacent to the barrier surface area. Any conditions which could compromise the integrity of the barrier surface area, such as soil erosion or excessive vegetative growth, will also be noted.

In the event that areas within either of the barriers are identified as exhibiting deficiencies or potential problems, those areas will be repaired or replaced. Such repairs may include, but are not limited to, diverting surface water runoff, filling cracks/patching asphalt, or replacing barrier components.

Inspection reports will be prepared every six months, subject to EPA approval of an alternate frequency. These reports will be submitted to EPA and MDEP and will document the inspection and maintenance activities performed since the submittal of the previous inspection report. As required by Attachment J to the SOW, these reports will include the following information (as relevant):

- Description of the type and frequency of inspection and/or monitoring activities conducted;
- Description of any significant modifications to the inspection and/or monitoring program made since the submittal of the previous report;
- Description of any conditions or problems noted during the inspection and/or monitoring period which are or may be affecting the performance of the barriers (photographs of problem areas will be included);
- Description of any measures taken to correct conditions which are affecting the performance of the barriers (photographs of physical repairs will be included);

-
- Results of sampling analyses and screening, if any, conducted as part of the monitoring and/or inspection program (excluding groundwater monitoring); and
 - Description of any measures that may need to be performed to correct any conditions affecting the performance of the barriers.

As noted above, the CD requires PEDDA to conduct the foregoing I/M activities following transfer of the 20s Complex to PEDDA.

Annual ERE Inspections

Paragraph 57.o. of the CD requires annual inspections at properties transferred from GE to PEDDA to assess compliance with the applicable ERE during the preceding year. These inspections are to be conducted in accordance with the requirements set forth in Appendix Q of the CD. Those requirements include a document review and visual site inspection as further described below. As noted above, these inspection activities will be conducted by GE until such time (if any) as PEDDA conveys an interest in the 20s Complex to another party; and following PEDDA's conveyance of an interest in all or a portion of the 20s Complex to another party, the ERE inspection activities for the transferred portion are required to be performed by PEDDA, unless EPA determines that PEDDA has ceased to exist or otherwise will not or cannot perform such obligations.

Prior to the visual site inspection, the documents pertinent to the ERE and the use of the 20s Complex will be reviewed. These documents will include the ERE, the Plan of Restricted Area (as revised if appropriate), any conditional exceptions approved under the ERE (if known), and any recorded amendments to and/or releases from the ERE. The ERE and Plan of Restricted Area were recorded in the Berkshire Middle District Registry of Deeds on February 10, 2005, in Book 3156, Page 122, and in Plat G, No. 348; respectively. In addition, the most recent topographic map of the 20s Complex that is available to the reviewing party, as well as any Post-Work Notification Forms (Exhibit E to the ERE) that have been submitted by the Grantor under the ERE and of which the reviewing party has a copy, will be reviewed for background information and reference. The reviewing party will not be responsible for verifying the accuracy or completeness of any aspect of or information in the foregoing documents, either as of the time they were prepared or as compared to conditions at the time of the inspection. After review of these documents, a visual on-site inspection of the 20s Complex will be performed to determine whether there is evidence that any of the following have occurred since the last annual inspection:

-
- Activities at or uses of the 20s Complex that, based on visual observation, are potentially contrary to the restrictions stated in the ERE;
 - Utility construction or maintenance work or any building construction, modification, addition, and/or demolition (including, without limitation, any utility work within easements held by Berkshire Gas and its successors that have not been subordinated to the ERE);
 - Soil excavations that involved more than 10 cubic yards of soil;
 - Significant soil erosion; and
 - Significant pavement construction, disturbance, and/or removal/excavation, including, without limitation, alteration of the Other Ground Covering Feature Area shown on the Plan of Restricted Area.

If the inspection indicates that any of the above conditions has altered the surface grade of the 20s Complex since the prior inspection, the new surface grade(s) will be compared to the most current prior available drawing of such grade. For the initial comparison, the topographic survey map provided in Attachment C to the Final Completion Report will be used. That figure depicts the limits of the Building Demolition Barrier Area, as well as general features and surface topography of the 20s Complex prior to entry of the ERE. The approximate area/location of any such surface grade change will be identified on a plan.

After all observations have been made, the Annual Inspection Check List provided as Exhibit A-1 to this PRSCP will be completed. Within 30 days of completion of the inspection, a summary ERE inspection report will be submitted to EPA and MDEP. This report will include a summary of the findings of the inspection, an identification (based on the visual inspection) of any instances of potential non-compliance with the ERE, and a copy of the completed Annual Inspection Check List. Any determination of whether activities or uses that have occurred are in fact contrary to the restrictions stated in the ERE will be made by EPA and/or MDEP.

Contact Information

In accordance with Section 2.0 of Technical Attachment J of the SOW, provided below is a table that lists the individuals and contact information who will be conducting the I/M activities at the 20s Complex. The individuals listed below may change during the period that this PRSCP is in effect.

Name	Company/Entity	Telephone Number
John F. Novotny, P.E.	General Electric Company	(413) 448-5905
Thomas E. Hickey, Jr.	Pittsfield Economic Development Authority	(413) 494-7332

EXHIBIT A-1
ANNUAL INSPECTION CHECK LIST
20s COMPLEX RAA

DOCUMENT REVIEW

Conducted By: _____ Representing: _____
Review Start Date: _____

1. Check here to confirm that the Grant of Environmental Restriction and Easement has been reviewed.
2. Check here to confirm that the Plan of Restricted Area (as revised if appropriate) has been reviewed.
3. Are there any recorded amendments to or releases from the ERE, and/or any known conditional exceptions under the ERE, and/or any Post-Work Notification Forms (ERE Exhibit E) which have been submitted by the Grantor under the ERE and of which the reviewing party has a copy?

No

Yes - If yes, review those items for background informational purposes and list them below (along with the book and page reference in the Registry of Deeds where applicable). (Note that the document reviewer has no obligation to verify the accuracy or completeness of any of these documents, either as of the time they were prepared or as compared to current conditions).

4. Review Completed: _____

VISUAL ON-SITE INSPECTION

Conducted By: _____ Representing: _____
Inspection Start Date: _____

1. List other individuals and their company/agency that were present during the visual on-site inspection.

2. Is there any visual evidence of activities and uses of the property since the last inspection that are potentially contrary to the restrictions of the ERE?

No

Yes - If yes, describe below.

3. Is there any visual evidence of utility work or building construction, modification, addition, or demolition since the last inspection?

No

Yes - If yes, describe below and show the location(s) of such activity on a plan.

EXHIBIT A-1
ANNUAL INSPECTION CHECK LIST
20s COMPLEX RAA

4. Is there any visual evidence of soil excavation that generated more than 10 cubic yards of soil since the last inspection?

No

Yes - If yes, describe below and show the location(s) of such activity on a plan.

5. Is there any visual evidence of excessive soil erosion since the last inspection?

No

Yes - If yes, describe below and show the location(s) of such erosion on a plan.

6. Is there any visual evidence of significant pavement construction, disturbance, or excavations since the last inspection, including without limitation, alteration of the Other Ground Covering Feature Areas shown on the Plan on the Restricted Areas?

No

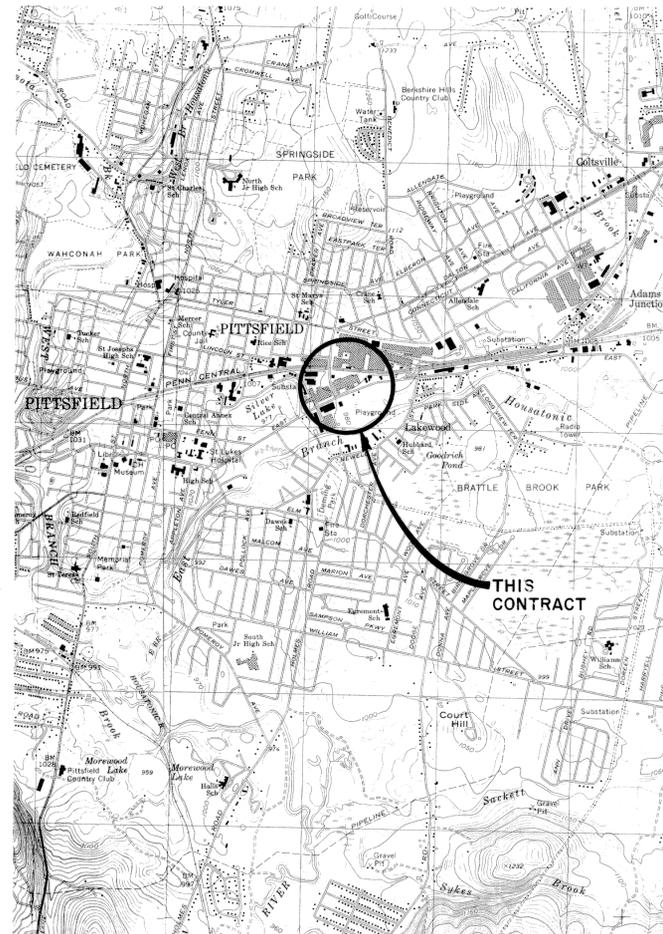
Yes - If yes, describe below and show the location(s) of such activity on a plan.

7. If any of the conditions listed in the responses to Questions 3 through 6 appears to have altered the surface grade of the the property compared to the surface grade shown on the topographic survey map included in Attachment C of the Final Completion Report or the most current drawing of such grade (if available), identify the approximate area/location of such grade change on a plan.

8. Inspection Completed: _____

Contract Drawings

20's COMPLEX UTILITY RELOCATION AND BUILDING DEMOLITION



LOCATION PLAN
SCALE: 1"=2000'

CONTRACT NO. 1-20-1987

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

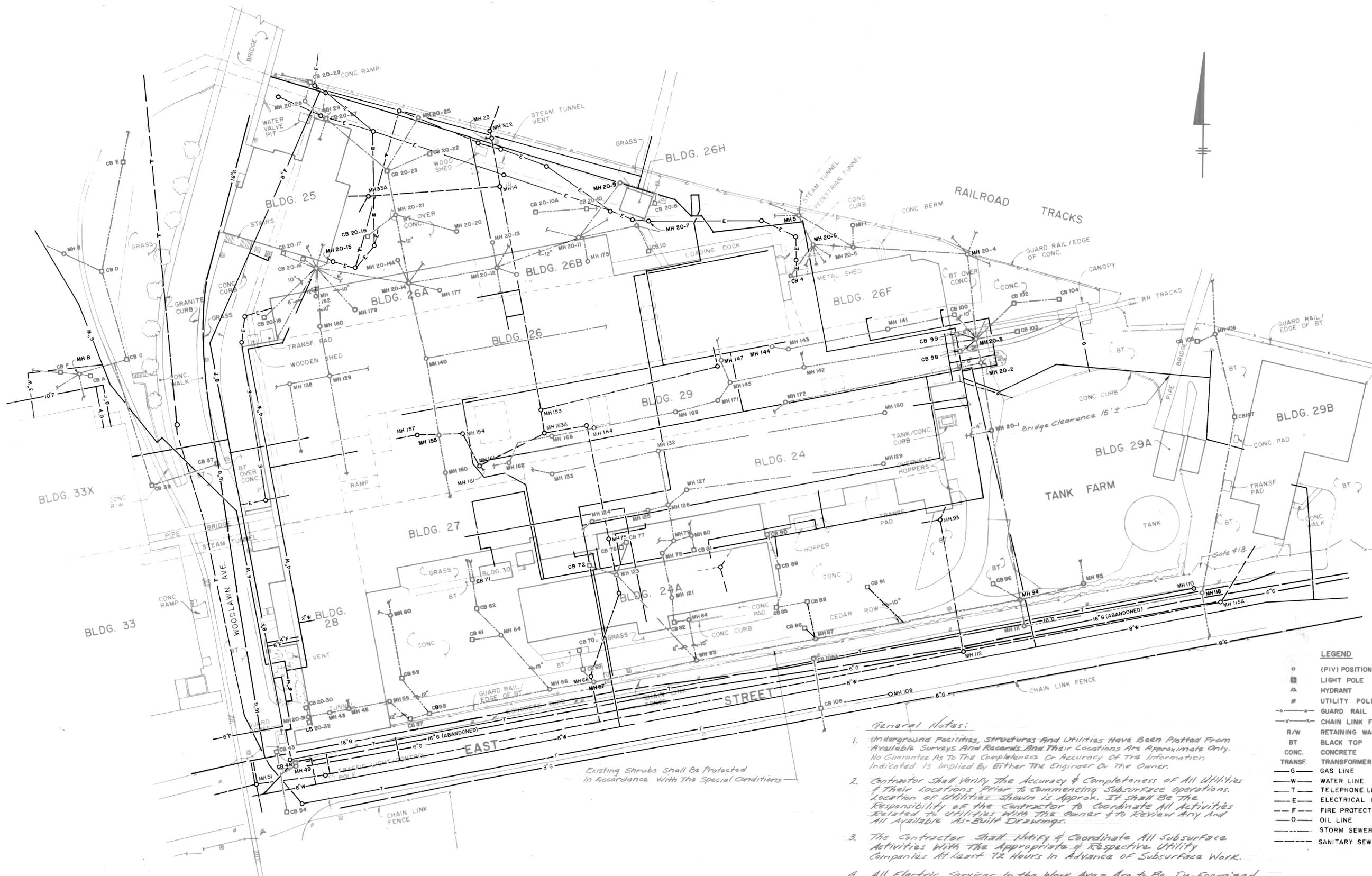
INDEX TO DRAWINGS

- 1 EXISTING SITE PLAN
- 2 SANITARY SEWER PLAN
- 3 BUILDING 26-3 FLOOR PLAN
- 4 STORM SEWER PLAN
- 5 PHASE I DEMOLITION PLAN
- 6 CONCRETE PAVEMENT PLAN
- 7 SECTIONS
- 8 PHASE II DEMOLITION PLAN
- 9 MISCELLANEOUS DETAILS



BLASLAND & BOUCK
ENGINEERS, P. C.





LEGEND

- (PIV) POSITION INDICATOR VALVE
- LIGHT POLE
- △ HYDRANT
- ⊥ UTILITY POLE
- GUARD RAIL
- CHAIN LINK FENCE
- R/W RETAINING WALL
- BT BLACK TOP
- CONC. CONCRETE
- TRANSF. TRANSFORMER
- G GAS LINE
- W WATER LINE
- T TELEPHONE LINE
- E ELECTRICAL LINE
- F FIRE PROTECTION LINE
- O OIL LINE
- STORM SEWER
- SANITARY SEWER

- General Notes:**
- Underground Facilities, Structures And Utilities Have Been Plotted From Available Surveys And Records And Their Locations Are Approximate Only. No Guarantee As To The Completeness Or Accuracy Of The Information Indicated Is Implied By Either The Engineer Or The Owner.
 - Contractor Shall Verify The Accuracy & Completeness Of All Utilities & Their Locations Prior To Commencing Subsurface Operations. Location Of Utilities Shown Is Approx. It Shall Be The Responsibility Of The Contractor To Coordinate All Activities Related To Utilities With The Owner & To Review Any And All Available As-Built Drawings.
 - The Contractor Shall Notify & Coordinate All Subsurface Activities With The Appropriate & Respective Utility Companies At Least 72 Hours In Advance Of Subsurface Work.
 - All Electric Services In The Work Area Are To Be De-Energized. The Contractor Shall Provide And Maintain Temporary Electric Services & Other Utilities As Detailed In The Special Conditions.

Existing Shrubs Shall Be Protected In Accordance With The Special Conditions



No.	Date	Revisions	Init

In charge of *Edward J. Posh*
 Designed by *BE*
 Drawn by *DM*
 Checked by *ERL*

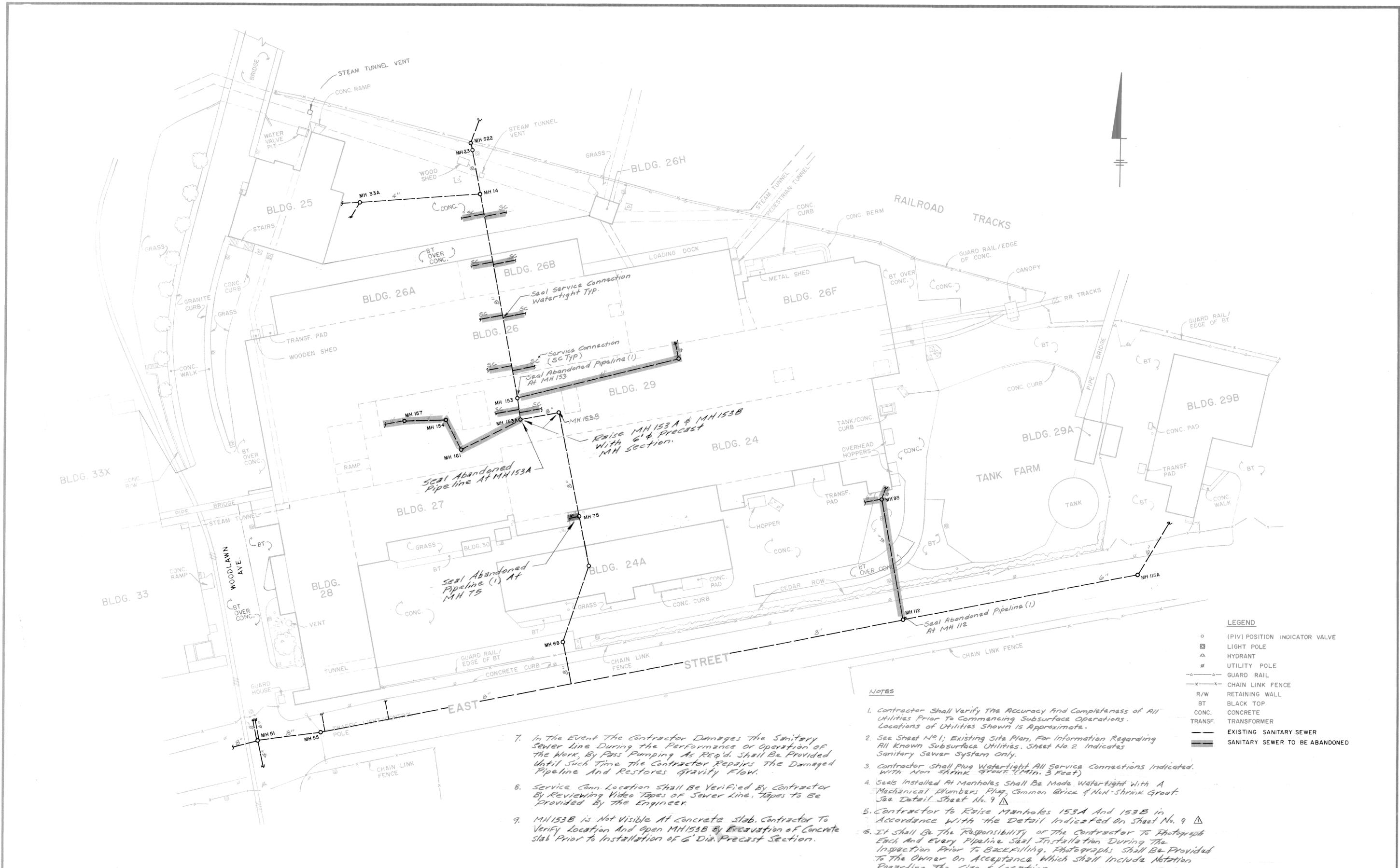
BLASLAND & BOUCK ENGINEERS, P.C.
 Syracuse, New York
 White Plains, New York

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20'S COMPLEX
 UTILITY RELOCATION AND BUILDING DEMOLITION

EXISTING SITE PLAN

File Number 101.52-01F
 Date SEPTEMBER 1987

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

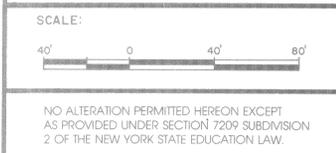


LEGEND

○	(PIV) POSITION INDICATOR VALVE
□	LIGHT POLE
△	HYDRANT
— —	UTILITY POLE
— — —	GUARD RAIL
—x—x—	CHAIN LINK FENCE
R/W	RETAINING WALL
BT	BLACK TOP
CONC.	CONCRETE
TRANSF.	TRANSFORMER
— — —	EXISTING SANITARY SEWER
— — —	SANITARY SEWER TO BE ABANDONED

- NOTES**
- Contractor Shall Verify The Accuracy And Completeness of All Utilities Prior To Commencing Subsurface Operations. Locations of Utilities Shown is Approximate.
 - See Sheet No. 1; Existing Site Plan, For Information Regarding All Known Subsurface Utilities. Sheet No. 2 Indicates Sanitary Sewer System Only.
 - Contractor Shall Plug Watertight All Service Connections Indicated, With Non Shrink Grout. (Min. 3 Feet)
 - Seals Installed At Manholes Shall Be Made Watertight With A Mechanical Plumbers Plug, Common Brick & Non-Shrink Grout. See Detail Sheet No. 9
 - Contractor to Raise Manholes 153A And 153B in Accordance With the Detail Indicated on Sheet No. 9
 - It Shall Be The Responsibility of the Contractor to Photograph Each And Every Pipeline Seal Installation During The Inspection Prior To Backfilling. Photographs Shall Be Provided To the Owner On Acceptance Which Shall Include Notation Regarding The Size & Location.

- In The Event The Contractor Damages The Sanitary Sewer Line During The Performance or Operation of The Work, By Pans Pumping As Req'd, Shall Be Provided Until Such Time The Contractor Repairs The Damaged Pipeline And Restores Gravity Flow.
- Service Conn Location Shall Be Verified By Contractor By Reviewing Video Tapes of Sewer Line, Tapes To Be Provided By The Engineer
- MH153B is Not Visible At Concrete Slab, Contractor To Verify Location And Open MH153B By Excavation of Concrete Slab Prior to Installation of 6" Dia. Precast Section.



No.	Date	Revisions	Init
1	10/20/87	Notes 415 - Sheet No. 9 Was 11 Dwg. No Changed from 3 to 2	ERL

In charge of *Edward H. Buck*
 Designed by *C.*
 Drawn by *RB/ptc*
 Checked by *ERL*

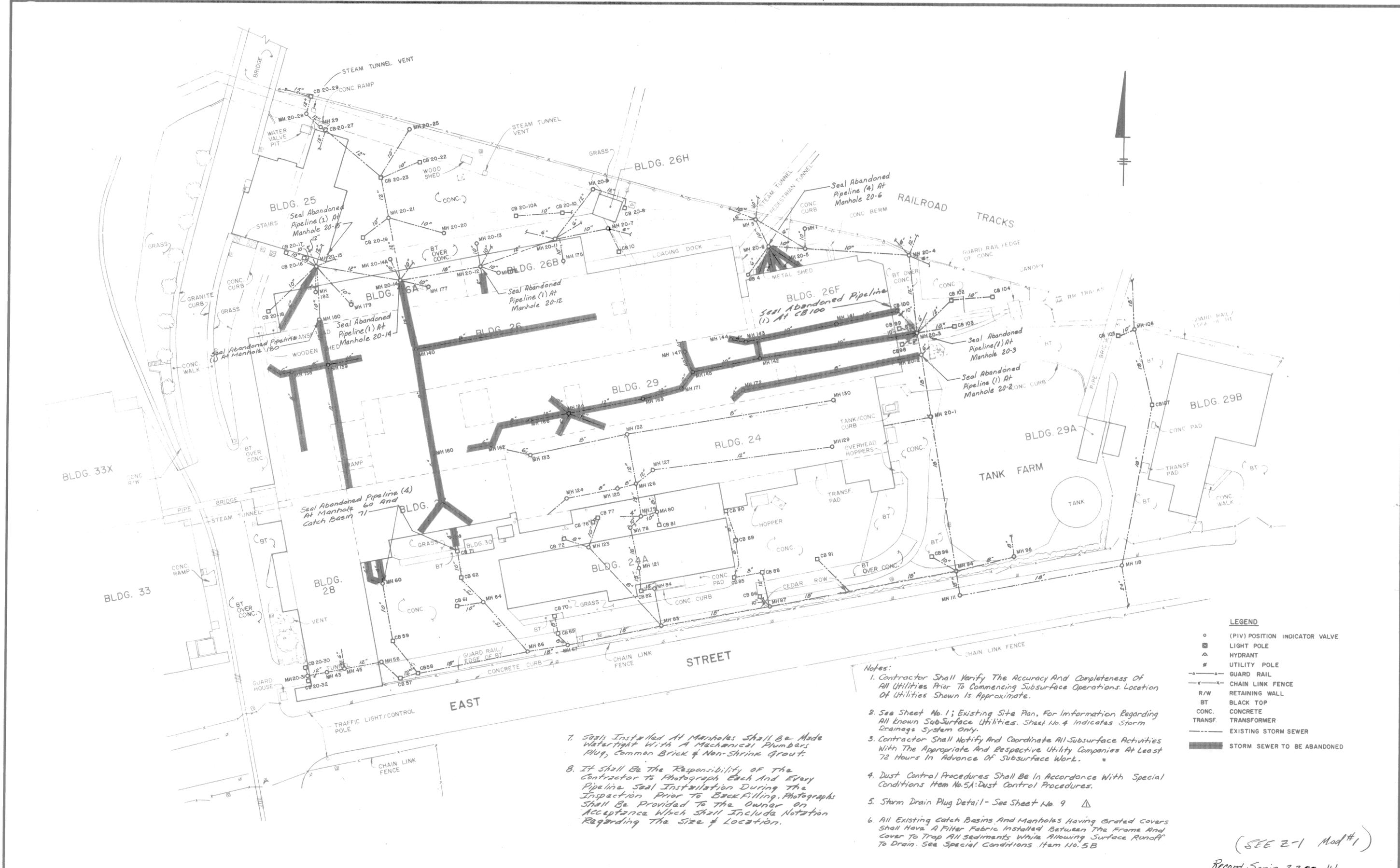
BLASLAND & BOUCK ENGINEERS, P.C.
 Syracuse, New York
 White Plains, New York

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20'S COMPLEX
 UTILITY RELOCATION AND BUILDING DEMOLITION

SANITARY SEWER PLAN

File Number 101.52-03F
 Date SEPTEMBER 1987

2



- LEGEND**
- (PIV) POSITION INDICATOR VALVE
 - LIGHT POLE
 - △ HYDRANT
 - UTILITY POLE
 - GUARD RAIL
 - - - CHAIN LINK FENCE
 - R/W RETAINING WALL
 - BT BLACK TOP
 - CONC. CONCRETE
 - TRANSF. TRANSFORMER
 - - - EXISTING STORM SEWER
 - ▬ STORM SEWER TO BE ABANDONED

- Notes:**
1. Contractor Shall Verify The Accuracy And Completeness Of All Utilities Prior To Commencing Subsurface Operations. Location Of Utilities Shown Is Approximate.
 2. See Sheet No. 1; Existing Site Plan. For Information Regarding All known Subsurface Utilities. Sheet No. 4 Indicates Storm Drainage System Only.
 3. Contractor Shall Notify And Coordinate All Subsurface Activities With The Appropriate And Respective Utility Companies At Least 72 Hours In Advance Of Subsurface Work.
 4. Dust Control Procedures Shall Be In Accordance With Special Conditions Item No. 5A: Dust Control Procedures.
 5. Storm Drain Plug Detail - See Sheet No. 9
 6. All Existing Catch Basins And Manholes Having Grated Covers Shall Have A Filter Fabric Installed Between The Frame And Cover To Trap All Sediments While Allowing Surface Runoff To Drain. See Special Conditions Item No. 5B

7. Seals Installed At Manholes Shall Be Made Watertight With A Mechanical Plumbers Plug, Common Brick & Non-Shrink Grout.
8. It Shall Be The Responsibility Of The Contractor To Photograph Each And Every Pipeline Seal Installation During The Inspection Prior To Back Filling. Photographs Shall Be Provided To The Owner On Acceptance Which Shall Include Notation Regarding The Size & Location.

(SEE 2-1 Mod #1)
Record Sepia 2-2-88 Jdy

SCALE: 40' 0 40' 80'	No.	Date	Revisions	Init.
	1	10-13-87	Note 5 - Sheet No. 9 Was 11 Dwg. No. Changed from 5 to 4	ELL
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.				
In charge of	<i>Edward H. Lynch</i>			
Designed by	<i>RLC</i>			
Drawn by	<i>JDA</i>			
Checked by	<i>ELL</i>			

BLASLAND & BOUCK ENGINEERS, P.C.
Syracuse, New York
White Plains, New York

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
20'S COMPLEX
UTILITY RELOCATION AND BUILDING DEMOLITION
STORM SEWER PLAN

4

Date
SEPTEMBER 1987

File Number
101 52-05F

Professional Engineer
William H. Bouck
No. 29821



- LEGEND**
- ⊗ WATER VALVE
 - ⊗ GAS VALVE
 - ⊗ HYDRANT
 - ⊗ POSITION INDICATOR VALVE
 - ⊗ UTILITY POLE
 - ⊗ LP LIGHT POLE
 - ⊗ GUARD RAIL
 - ⊗ CHAIN LINK FENCE
 - 12 CATCH BASIN AND I.D. NUMBER
 - 20-12 MANHOLE AND I.D. NUMBER
 - R/W RETAINING WALL

Fill in Opening weathertight with Brick Similar to Bldg. 33X

Pipe Bridge To Be Removed During Non-Manufacturing Hours. Remove Pipe Bridge To First Interior Support

Concrete or Masonry Rubble or Select Fill Type 'E' Shall Be Utilized To Fill The Basement of Building 28 To Elevation 1011.1

Phase I Contractor Shall Construct Uniform Earthen Berm To El. 1011.1 To The Lines And Grades Indicated On The Phase II Demolition Plan. All Sloped Berms Shall Be Grassed

Remove Foundation Walls To At Least 6" Below Finished Grade

Fill in East Wall Opening Weathertight With Brick Similar To Existing

Install 12' High Visual & Security Barrier in This Section Immediately Following Demolition of Bldg. No. 28 For Duration of Contract.

Place & Compact Demolition Within This Area. Use Select Fill to Completely Fill Voids. Place Demolition & Rubble To The Elevation Required To Receive 1' Depth of Crushed Stone & Sloped Concrete Slab

Protect Existing Transformer
Remove Valve Stand, Hydrant & Barrier Cut 6" Below Grade & Fill (TYP)

- LEGEND**
- ▨ PHASE I BUILDING DEMOLITION
 - ▩ PLACEMENT LOCATION OF PHASE I BUILDING DEMOLITION
 - DEMOLITION WORK LIMITS
 - - - VISUAL BARRIER

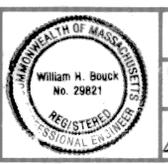


No.	Date	Revisions	Init
1	10-13-87	Note Revised Qty No Changed from 6 to 5	ERL

In charge of *Edward J. Fitch*
 Designed by *RL*
 Drawn by *RB/ETC*
 Checked by *ERL*

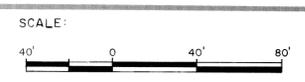
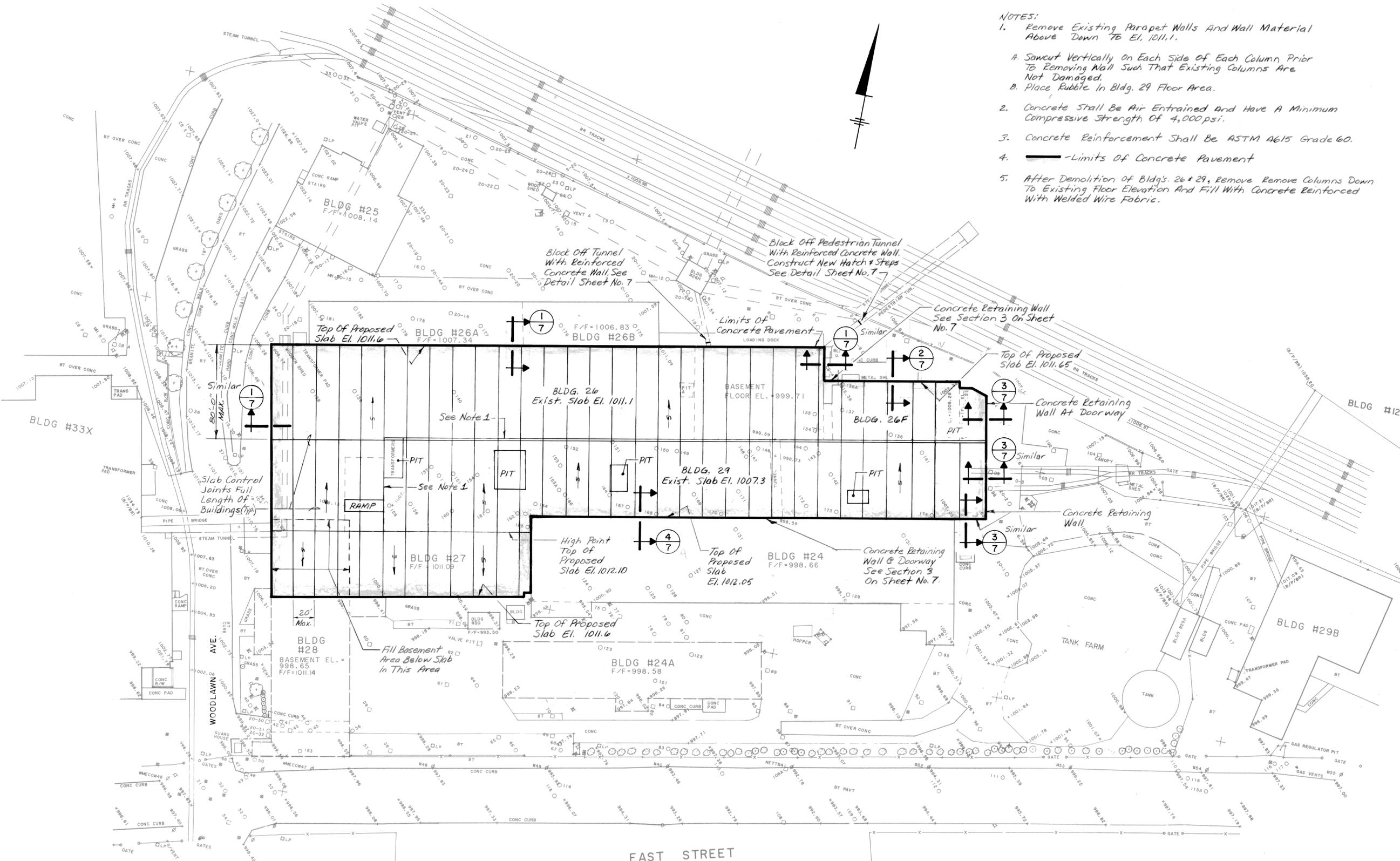


GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
 20'S COMPLEX
 UTILITY RELOCATION AND BUILDING DEMOLITION
PHASE I DEMOLITION PLAN



File Number 101.52-06F
 Date SEPTEMBER 1987
 5

- NOTES:
1. Remove Existing Parapet Walls And Wall Material Above Down To El. 1011.1.
 2. Concrete Shall Be Air Entrained And Have A Minimum Compressive Strength Of 4,000 psi.
 3. Concrete Reinforcement Shall Be ASTM A615 Grade 60.
 4. — Limits Of Concrete Pavement
 5. After Demolition Of Bldgs. 26 + 29, Remove Columns Down To Existing Floor Elevation And Fill With Concrete Reinforced With Welded Wire Fabric.



No.	Date	Revisions	Init
1	10/16/87	GENERAL REVISIONS DWG. NO. CHANGED FROM 7 TO 6	EM

In charge of *Edward J. Fick*
 Designed by *TWS*
 Drawn by *IM*
 Checked by *EAL*

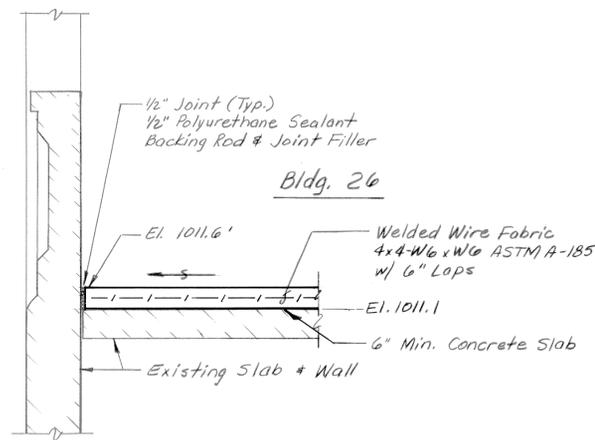


GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20'S COMPLEX
 UTILITY RELOCATION AND BUILDING DEMOLITION
CONCRETE PAVEMENT PLAN

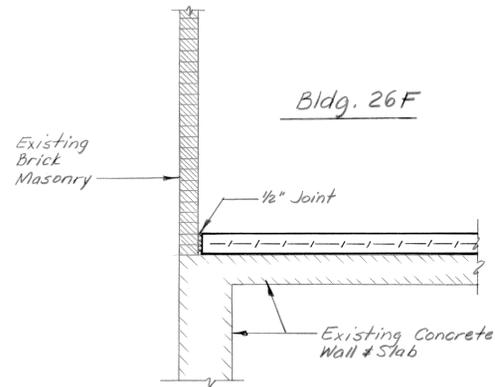
Professional Engineer Seal for William H. Bouck, No. 29821, State of Massachusetts.

File Number: 101.52.07F
 Date: SEPTEMBER 1987

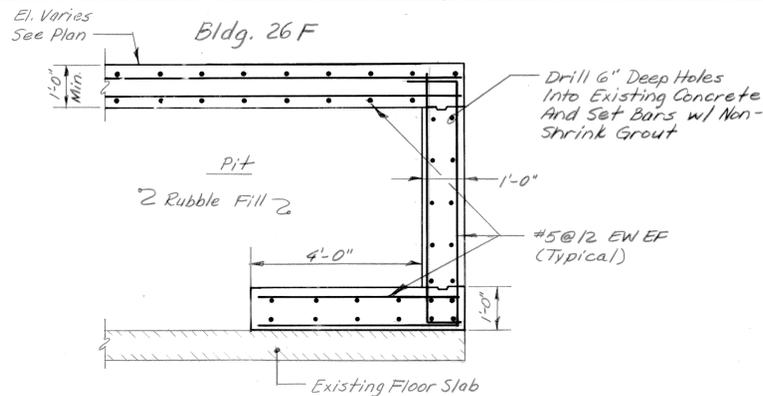
6



SECTION 1/6
N.T.S.

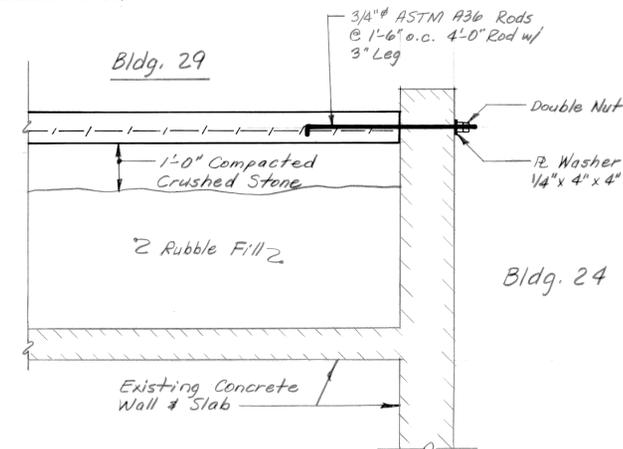


SECTION 2/6
N.T.S.

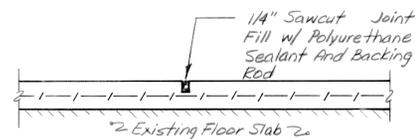


SECTION 3/6
N.T.S.

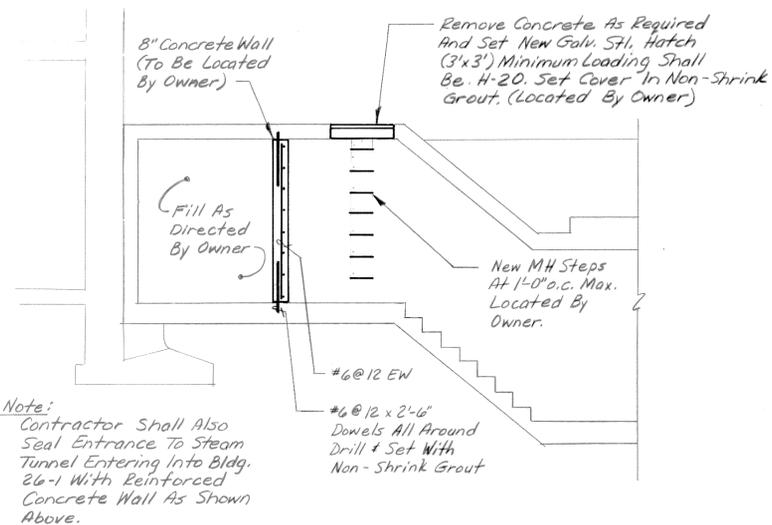
NOTE:
1. Provide Retaining Wall @ Bldg. 24F Doorway.
2. Provide Retaining Wall @ East Wall Of Bldg. 29 And At Door Openings South Wall Return To Bldg. 24



SECTION 4/6
N.T.S.



TYPICAL SLAB CONTROL JOINT
N.T.S.



SECTION AT PEDESTRIAN TUNNEL
SCALE: 1/4" = 1'-0"

SCALE AS SHOWN	No.	Date	Revisions	Init.	In charge of
	1	10/16/87	REMOVE BLDG. 24 WALL SECTIONS Dwg. No. Changed From 9767	DL	Edward J. ...
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.					Designed by
					Drawn by
					Checked by

BLASLAND & BOUCK ENGINEERS, P.C.
Syracuse, New York
White Plains, New York

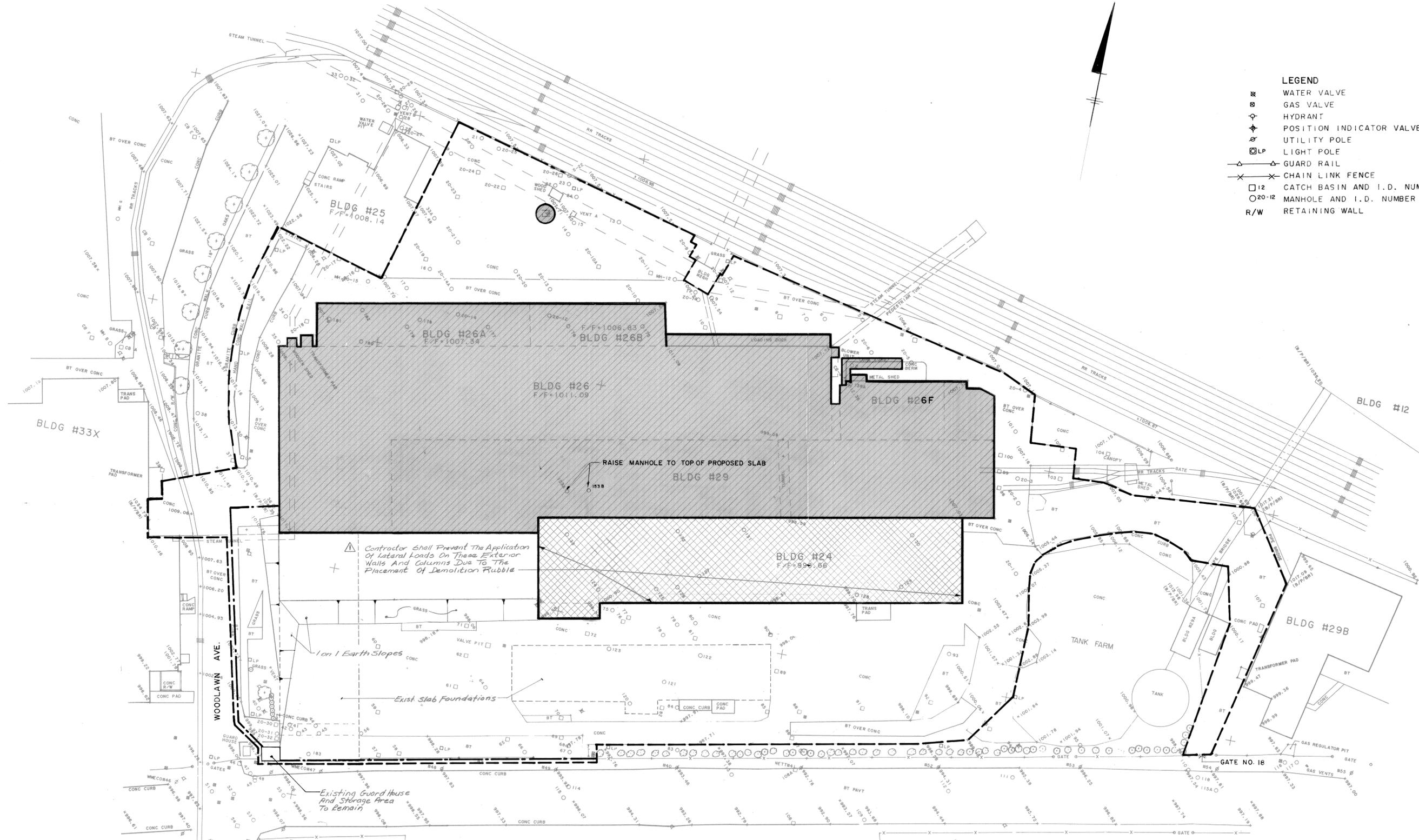
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
20's COMPLEX
UTILITY RELOCATION AND BUILDING DEMOLITION

SECTIONS

File Number 101.52.09F
Date SEPTEMBER 1987

7

- LEGEND**
- ⊗ WATER VALVE
 - ⊗ GAS VALVE
 - ⊕ HYDRANT
 - ⊕ POSITION INDICATOR VALVE
 - ⊕ UTILITY POLE
 - ⊕ LIGHT POLE
 - △— GUARD RAIL
 - X— CHAIN LINK FENCE
 - 12 CATCH BASIN AND I.D. NUMBER
 - 20-12 MANHOLE AND I.D. NUMBER
 - R/W RETAINING WALL



Contractor Shall Prevent The Application of Lateral Loads On These Exterior Walls And Columns Due To The Placement of Demolition Rubble

RAISE MANHOLE TO TOP OF PROPOSED SLAB

1 on 1 Earth Slopes

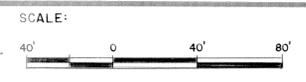
Exist Slab Foundations

Existing Guard House And Storage Area To Remain

EAST STREET

- LEGEND**
- ▨ PHASE II BUILDING DEMOLITION
 - ▩ PLACEMENT LOCATION OF PHASE II BUILDING DEMOLITION
 - — — DEMOLITION WORK LIMITS
 - — — VISUAL BARRIER

- Notes:**
1. The Contractor Shall Replace All Walls In Bldg. 24 Which Are Removed Or Damaged During The Filling Operations.
 2. The Contractor Shall Place Fill Around The Interior Columns In Building 24 In Lifts Of Equal Height.
 3. The Contractor Shall Place and Compact All Demolition Rubble And Equipment Such That No Lateral Pressure Is Exerted Against The West, South and East Walls and Columns.



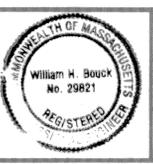
No.	Date	Revisions	Init
1	10/16/87	ADDED NOTE REGARDING PERMIT DRWG. NO. CHANGED FROM 10 TO 8	ERL

In charge of Edward H. Fred
 Designed by RB
 Drawn by RB/ETC
 Checked by ERL

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 Syracuse, New York
 White Plains, New York

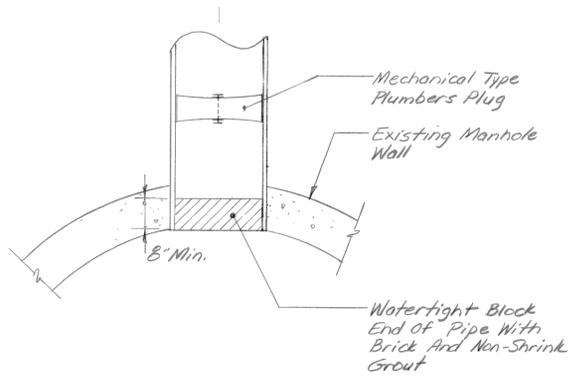
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20's COMPLEX
 UTILITY RELOCATION AND BUILDING DEMOLITION

PHASE II DEMOLITION PLAN



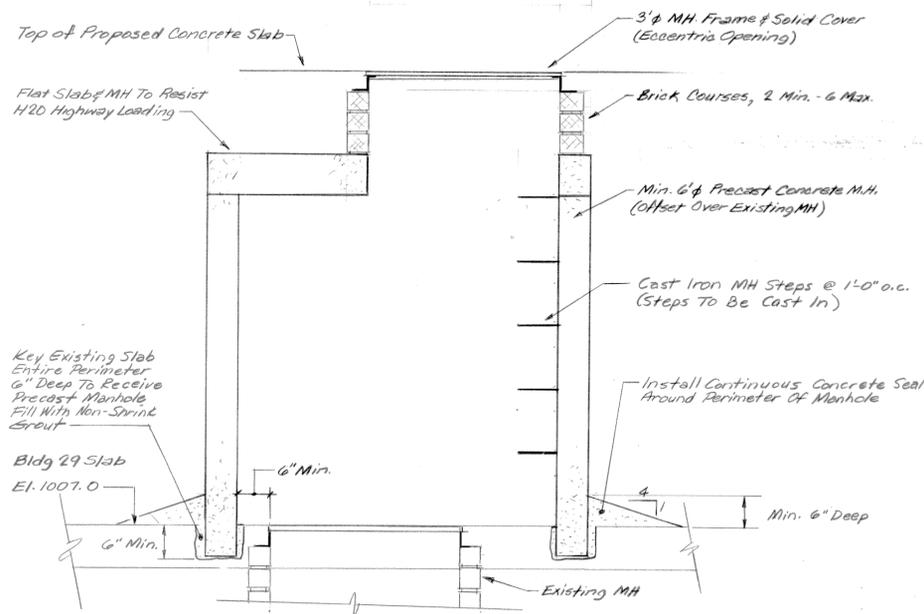
File Number
101-52-10F

Date
SEPTEMBER 1987



PIPELINE SEAL AT MANHOLE

NOT TO SCALE



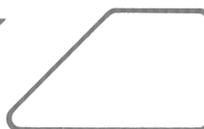
RAISED MANHOLE DETAIL

SCALE: 3/4" = 1'-0"

SCALE AS SHOWN	No.	Date	Revisions	Init.	In charge of <i>Edmund H. Spick</i>
	10/16/67		<i>Drawg. No. Changed From 11 to 9 Remove Cut & Trench Details</i>	<i>EAR</i>	
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW					Drawn by <i>TRJ</i>
					Checked by <i>EAR</i>



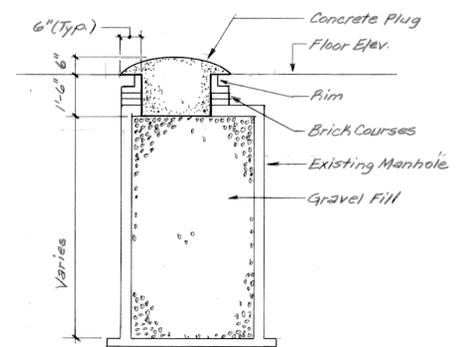
BLASLAND & BOUCK
ENGINEERS, P.C.
Syracuse, New York
White Plains, New York



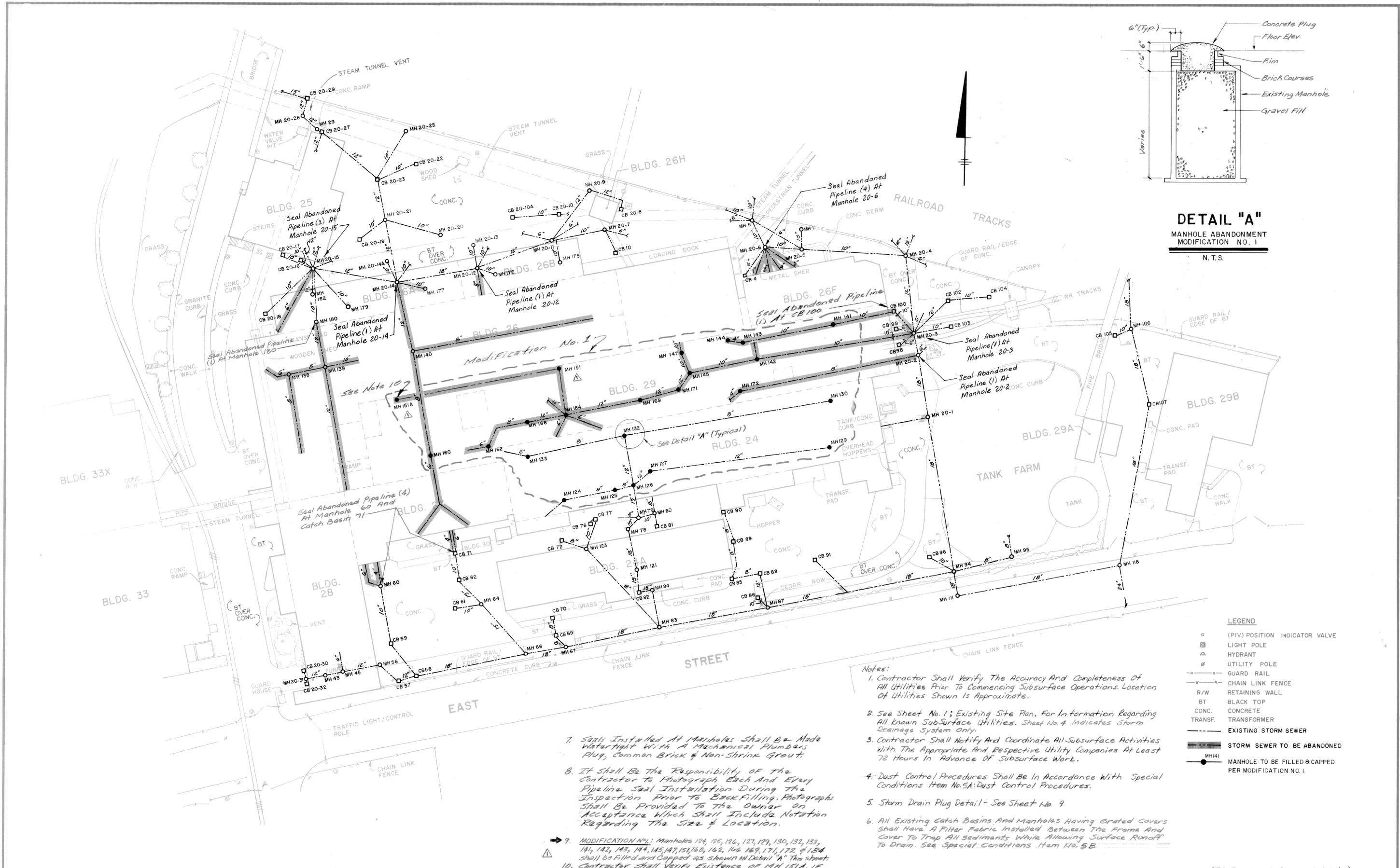
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
20's COMPLEX
UTILITY RELOCATION AND BUILDING DEMOLITION
MISCELLANEOUS DETAILS



File Number 101.52-11 F
Date SEPTEMBER 1967
William H. Bouck



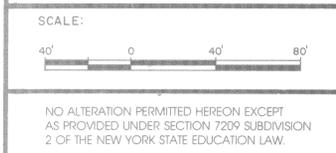
DETAIL "A"
MANHOLE ABANDONMENT
MODIFICATION NO. 1
 N. T. S.



- LEGEND**
- (PIV) POSITION INDICATOR VALVE
 - LIGHT POLE
 - △ HYDRANT
 - ⊕ UTILITY POLE
 - GUARD RAIL
 - x-x- CHAIN LINK FENCE
 - R/W RETAINING WALL
 - BT BLACK TOP
 - CONC. CONCRETE
 - TRANSF. TRANSFORMER
 - EXISTING STORM SEWER
 - STORM SEWER TO BE ABANDONED
 - MH141 MANHOLE TO BE FILLED & CAPPED PER MODIFICATION NO. 1.

- Notes:**
- Contractor Shall Verify The Accuracy And Completeness Of All Utilities Prior To Commencing Subsurface Operations. Location Of Utilities Shown Is Approximate.
 - See Sheet No. 1; Existing Site Plan, For Information Regarding All known Sub-Surface Utilities. Sheet No. 4 Indicates Storm Drainage System Only.
 - Contractor Shall Notify And Coordinate All Subsurface Activities With The Appropriate And Respective Utility Companies At Least 72 Hours In Advance Of Subsurface Work.
 - Dust Control Procedures Shall Be In Accordance With Special Conditions Item No. 5A: Dust Control Procedures.
 - Storm Drain Plug Detail - See Sheet No. 9
 - All Existing Catch Basins And Manholes Having Grated Covers Shall Have A Filter Fabric Installed Between The Frame And Cover To Trap All Sediments While Allowing Surface Runoff To Drain. See Special Conditions Item No. 5B

- Seals Installed At Manholes Shall Be Made Watertight With A Mechanical Plumber's Plug, Common Brick & Non-Shrink Grout.
- It Shall Be The Responsibility Of The Contractor To Photograph Each And Every Pipeline Seal Installation During The Inspection Prior To Back Filling. Photographs Shall Be Provided To The Owner on Acceptance Which Shall Include Notation Regarding The Size & Location.
- MODIFICATION NO. 1:** Manholes 124, 125, 126, 127, 129, 130, 132, 133, 141, 142, 143, 144, 145, 147, 151, 160, 162, 166, 169, 171, 172 & 184 shall be Filled and Capped as shown in Detail "A" This sheet.
- Contractor shall verify existence of MH 151A, if located, fill & cap per Detail "A"



No.	Date	Revisions	Init.
1	9-22-88	MH 151 & MH 151A Added, Note 10 Added, Change Note 9	ERL

In charge of *Edward R. Lynch*
 Designed by *RL*
 Drawn by *JM*
 Checked by *ERL*

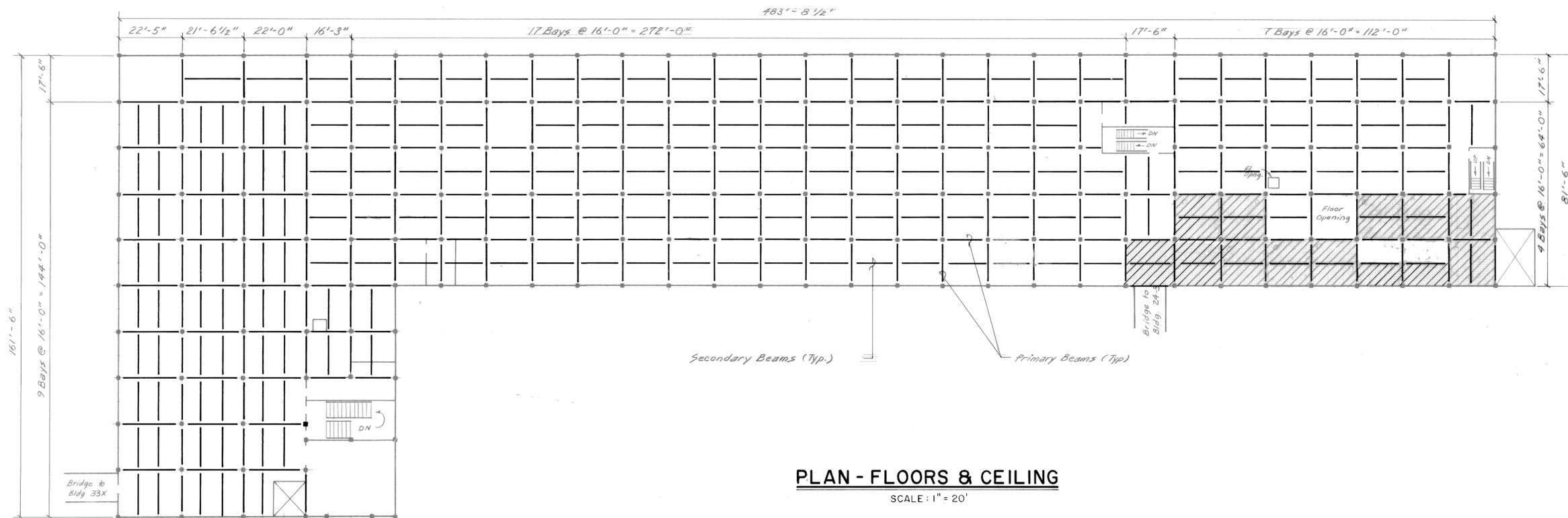
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 Syracuse, New York
 White Plains, New York

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20'S COMPLEX
 UTILITY RELOCATION AND BUILDING DEMOLITION

STORM SEWER PLAN
 MODIFICATION NO. 1

(This Drawing Made From Sheet 44)

File Number 101-52-12F
 Date FEB. 3, 1988
 Z-1

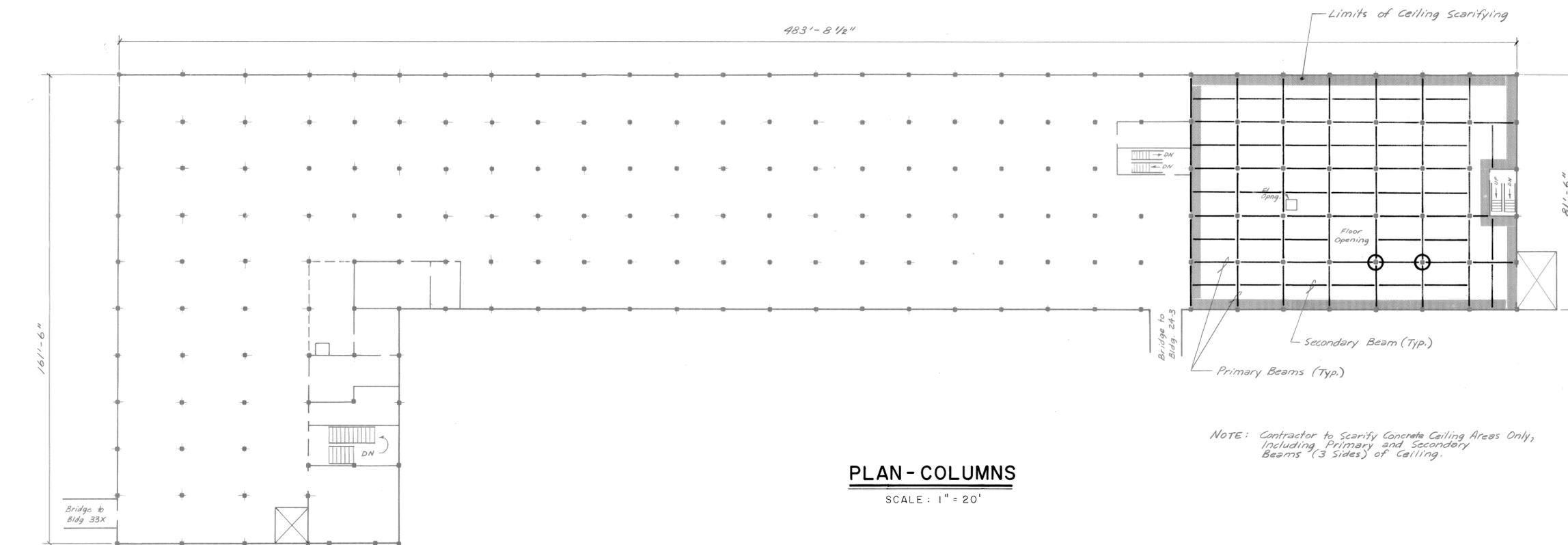


PLAN - FLOORS & CEILING

SCALE: 1" = 20'

LEGEND (FLOORS & CEILING)

- REMAINS IN PLACE
- SCARIFY FLOOR (1/4" MIN. DEPTH)



PLAN - COLUMNS

SCALE: 1" = 20'

LEGEND (COLUMNS)

- SCARIFY COLUMNS (1/4" MIN. DEPTH)
- SCARIFY CEILING & CEILING BEAMS (REMOVAL OF PAINT ONLY)

General Notes:

1. Contractor to collect all material generated during the scarifying and place in the appropriate containers provided by General Electric.
2. Columns to be scarified to include all four sides from floor to ceiling.
3. Maximum floor loadings Floors 26-3 and 26-4
 A. Uniform Loadings - 100 psf. OR
 B. Vehicles - 5,000 lbs. (total weight including load and attached accessories).
4. Several floor areas within this modification may have been damaged from work conducted prior to this modification and may be damaged during the implementation of this modification. The Contractor shall identify these areas to the Engineer and take the necessary precautions to ensure the safety of his workers prior to doing any additional work in these identified areas.
5. Contractor shall identify additional health and safety requirements and submit any changes to the Health and Safety Procedures prior to initiating work described in this modification.

NOTE: Contractor to Scarify Concrete Ceiling Areas Only, Including Primary and Secondary Beams (3 Sides) of Ceiling.

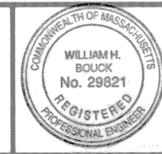


No.	Date	Revisions	Init

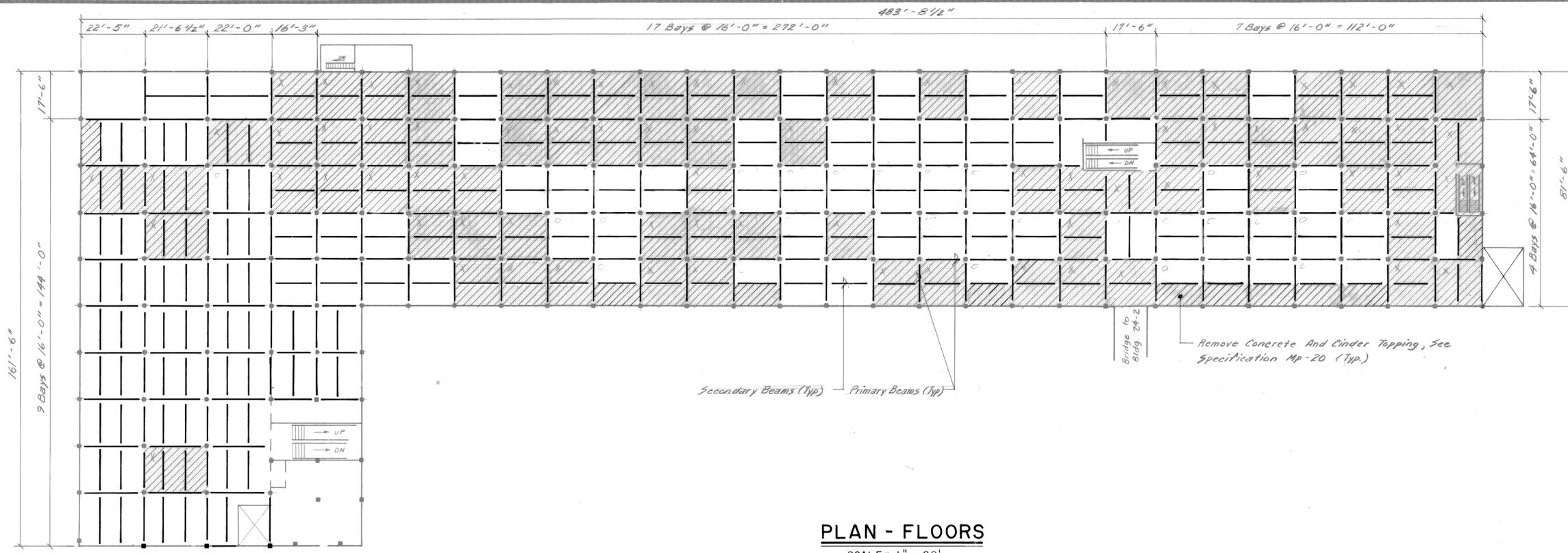
In charge of *Edmund M. Lynch*
 Designed by *FWR*
 Drawn by *W. J. J. J.*
 Checked by *EPL*



SCARIFY
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20's COMPLEX
 UTILITY RELOCATION AND BUILDING DEMOLITION
BUILDING 26-4 FLOOR PLAN
 MODIFICATION NO. 2



File Number 101.52.13F	Z 2-1
Date JUNE 1988	



PLAN - FLOORS

SCALE: 1" = 20'

BLDG. 27

LEGEND (FLOORS)

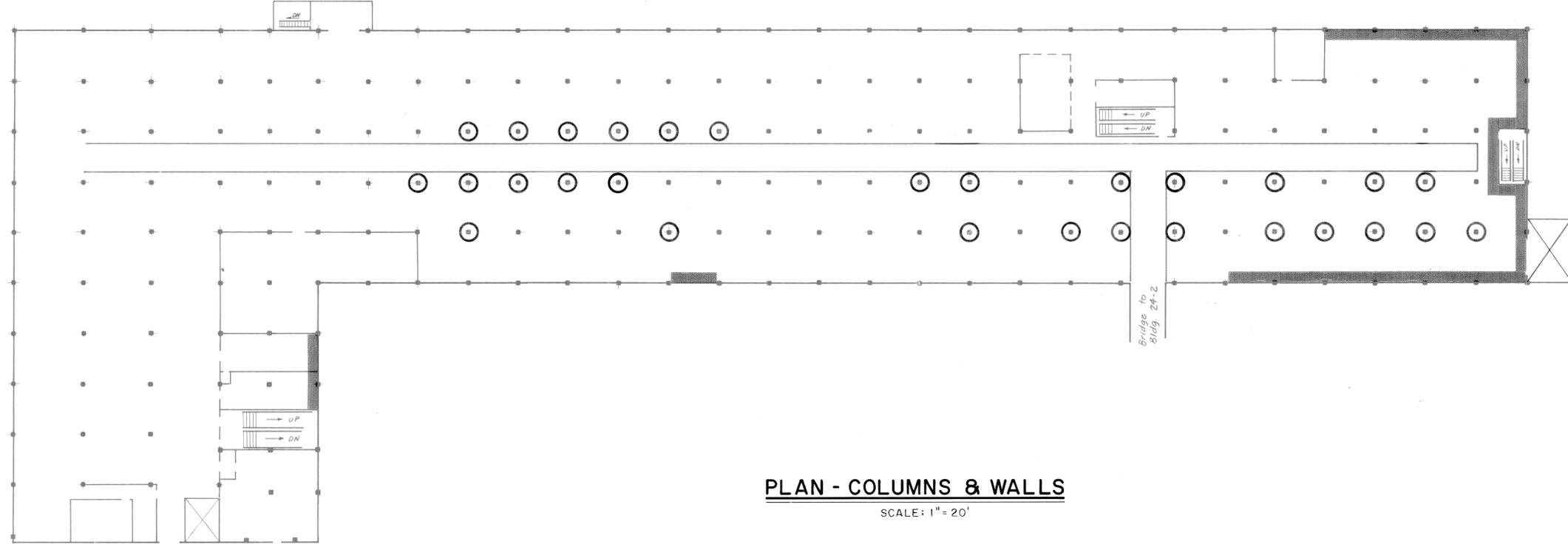
- REMAINS IN PLACE
- SCARIFY FLOOR (1/4" MIN. DEPTH)

LEGEND (COLUMNS & WALLS)

- SCARIFY COLUMNS (1/4" MIN. DEPTH)
- SCARIFY WALL (1/4" MIN. DEPTH)

General Notes:

1. Contractor to collect all material generated during the scarifying and place in the appropriate containers provided by General Electric.
2. Columns to be scarified to include all four sides from floor to ceiling.
3. Maximum floor loadings Floors 26-3 and 26-4
 A. Uniform Loadings - 100 psf. OR
 B. Vehicles - 5,000 lbs. (total weight including load and attached accessories).
4. Several floor areas within this modification may have been damaged from work conducted prior to this modification and may be damaged during the implementation of this modification. The Contractor shall identify these areas to the Engineer and take the necessary precautions to ensure the safety of his workers prior to doing any additional work in these identified areas.
5. Contractor shall identify additional health and safety requirements and submit any changes to the Health and Safety Procedures prior to initiating work described in this modification.



PLAN - COLUMNS & WALLS

SCALE: 1" = 20'

BLDG. 27

SCALE: 20' 0 20' 40' 1" = 20'	No.	Date	Revisions	Init
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW				

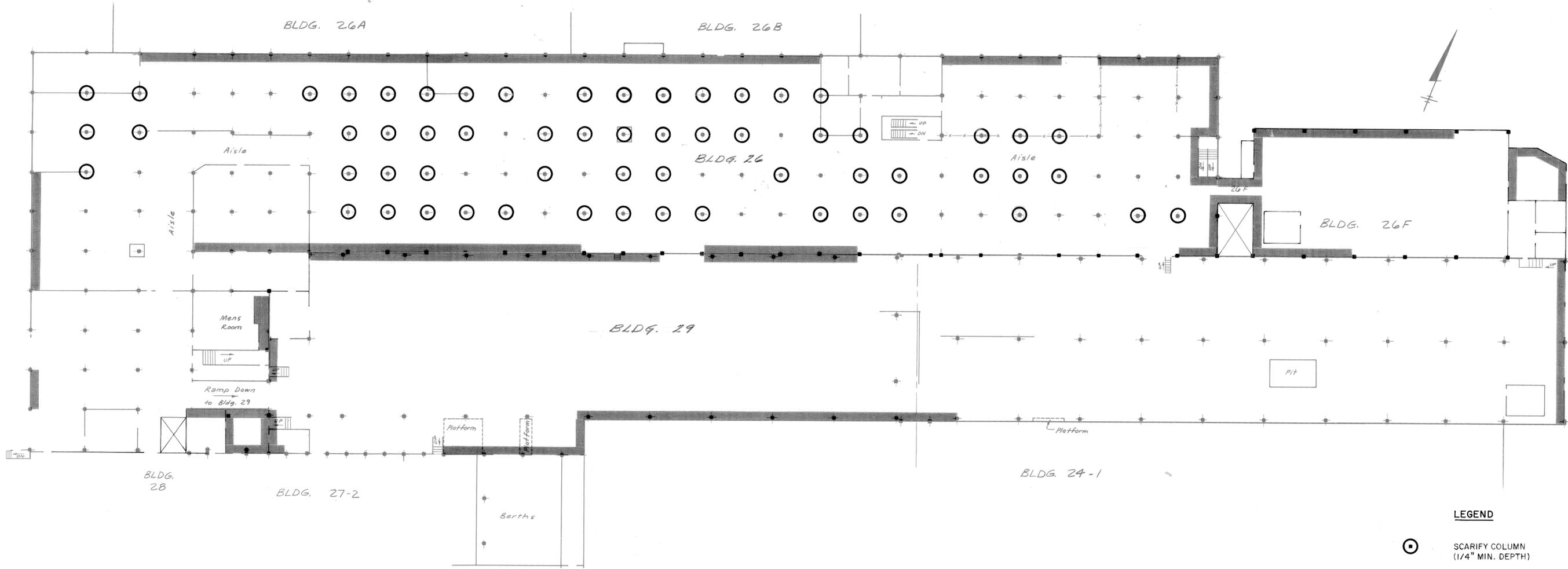
In charge of *Edward H. Boyle*
 Designed by *RWR*
 Drawn by *JLB / JTC*
 Checked by *ERL*

BLASLAND & BOUCK ENGINEERS, P.C.
 Syracuse, New York
 White Plains, New York

SCARIFY

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20's COMPLEX
 UTILITY RELOCATION AND BUILDING DEMOLITION
BUILDING 26-3 FLOOR PLAN
 MODIFICATION NO. 2

	File Number 101.52.14F	Z 2-2
	Date JUNE 1988	



PLAN - COLUMNS & WALLS

SCALE: 1" = 20'

LEGEND

- SCARIFY COLUMN (1/4" MIN. DEPTH)
- SCARIFY WALL (1/4" MIN. DEPTH)

General Notes:

1. Contractor to collect all material generated during the scarifying and place in the appropriate containers provided by General Electric.
2. Columns to be scarified to include all four sides from floor to ceiling.
3. Several floor areas within this modification may have been damaged from work conducted prior to this modification and may be damaged during the implementation of this modification. The Contractor shall identify these areas to the Engineer and take the necessary precautions to ensure the safety of his workers prior to doing any additional work in these identified areas.
4. Contractor shall identify additional health and safety requirements and submit any changes to the Health and Safety Procedures prior to initiating work described in this modification.

SCALE: 1" = 20'

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

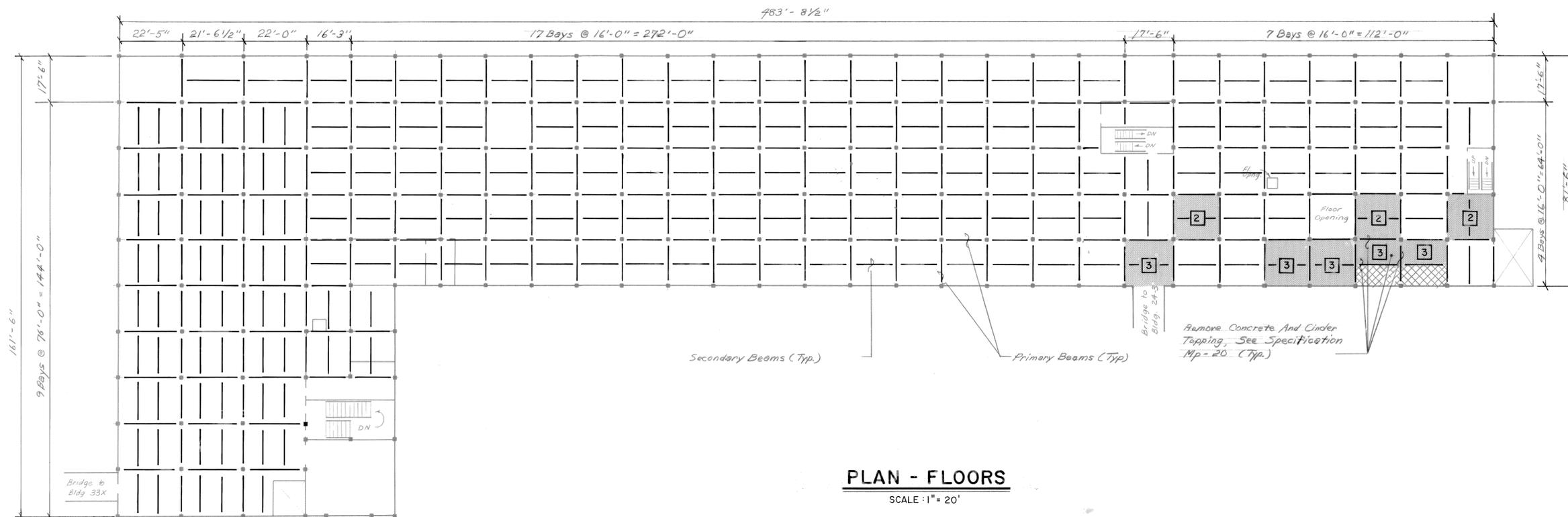
No.	Date	Revisions	Init

In charge of *Edward H. ...*
 Designed by *RWB*
 Drawn by *PTC*
 Checked by *ERL*

BLASLAND & BOUCK ENGINEERS, P.C.
 Syracuse, New York
 White Plains, New York

SCARIFY
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20's COMPLEX
 UTILITY RELOCATION AND BUILDING DEMOLITION
BUILDING 26-1 & 29-1 FLOOR PLAN
 MODIFICATION NO. 2

File Number: 101.52.15F
 Date: JUNE 1988
 Z 2-3

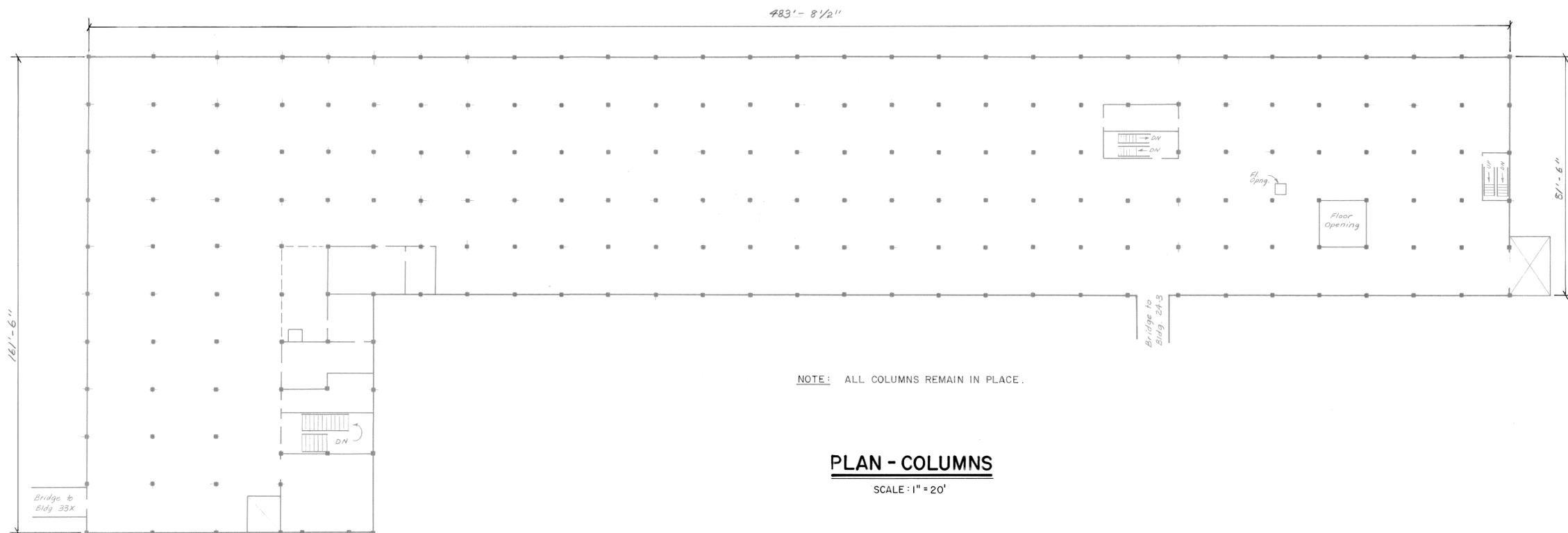


PLAN - FLOORS

SCALE: 1" = 20'

MODIFICATION TO ORIGINAL CONTRACT

- LEGEND (FLOORS & CEILING)**
- REMAINS IN PLACE
 - REMOVE FLOOR
(SEE DEMOLITION SEQUENCE ON DWG. Z 3-2)
 - REMOVE FLOOR DURING DEMOLITION
(SEE NOTE 5 ON Z 3-2)
 - REMOVAL UNDER THIS MODIFICATION

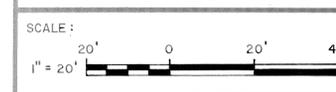


PLAN - COLUMNS

SCALE: 1" = 20'

NOTE: ALL COLUMNS REMAIN IN PLACE.

- General Notes:** 3-1
1. Maximum floor loadings Floors 26-3 and 26-4
A. Uniform Loadings - 100 psf. OR
B. Vehicles - 5,000 lbs. (total weight including load and attached accessories).
 2. Several floor areas within this modification may have been damaged from work conducted prior to this modification and may be damaged during the implementation of this modification. The Contractor shall identify these areas to the Engineer and take the necessary precautions to ensure the safety of his workers prior to doing any additional work in these identified areas.
 3. Demolition of floor to commence only after approval by General Electric.



No.	Date	Revisions	Init

In charge of *EKL*
 Designed by *TWS*
 Drawn by *ZTC*
 Checked by *EKL*

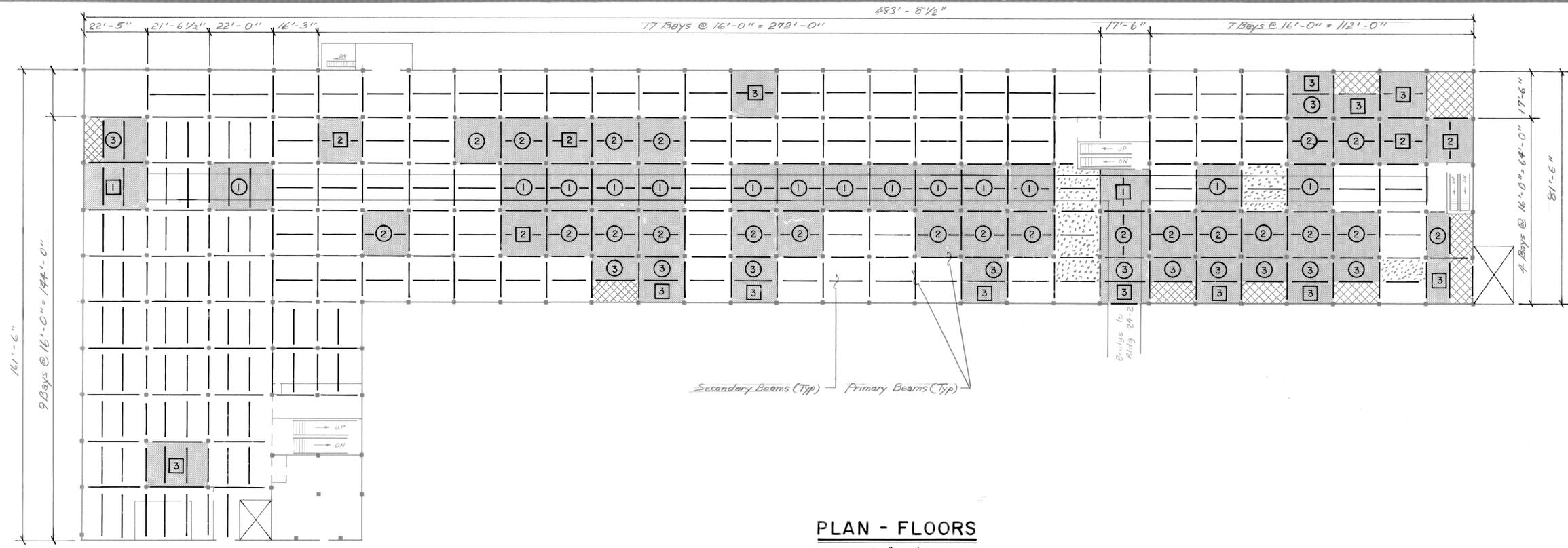
BLASLAND & BOUCK ENGINEERS, P.C.
 Syracuse, New York
 White Plains, New York

REMOVALS

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20'S COMPLEX
 UTILITY RELOCATION AND BUILDING DEMOLITION
BUILDING 26-4 FLOOR PLAN
 MODIFICATION NO. 3

File Number: 101.52.16F
 Date: JUNE 1988
 Z 3-1

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.



PLAN - FLOORS

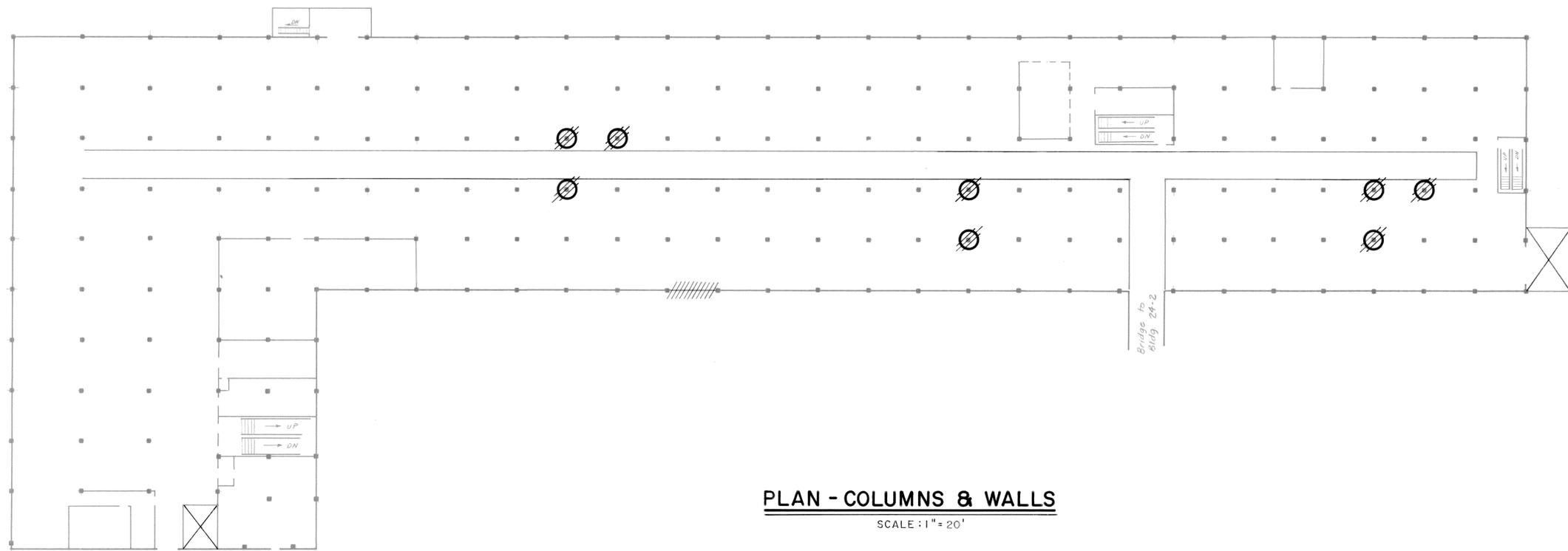
SCALE: 1" = 20'

MODIFICATION TO ORIGINAL CONTRACT DRAWING No. 3

BLDG.
27

- LEGEND (FLOORS)**
- REMAINS IN PLACE
 - REMOVE FLOOR PRIOR TO DEMOLITION
 - REMOVE FLOOR DURING DEMOLITION (SEE NOTE 5) (NOT UNDER ORIGINAL CONTRACT)
 - REMOVAL UNDER ORIGINAL CONTRACT
 - REMOVAL UNDER THIS MODIFICATION
 - DO NOT REMOVE (UNDER ORIGINAL CONTRACT FOR REMOVAL)

DEMOLITION SEQUENCE:
 CONTRACTOR SHALL START REMOVAL WORK WITHIN ONE NORTH-SOUTH COLUMN BAY REMOVING CENTER BAY FLOOR (AS REQUIRED) AND WORK NORTH AND SOUTH TO THE OUTSIDE WALL (AS REQUIRED). CONTRACTOR THEN SHALL MOVE EAST OR WEST TO THE NEXT SET OF BAYS. (See Note 3)



PLAN - COLUMNS & WALLS

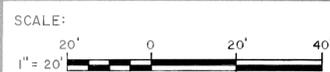
SCALE: 1" = 20'

MODIFICATION TO ORIGINAL CONTRACT

BLDG.
27

- LEGEND (COLUMNS & WALLS)**
- REMOVE COLUMN
 - REMOVE WALL

- General Notes:**
1. Maximum floor loadings Floors 26-3 and 26-4
 A. Uniform Loadings - 100 psf. OR
 B. Vehicles - 5,000 lbs (total weight including load and attached accessories).
 2. Several floor areas within this modification may have been damaged from work conducted prior to this modification and may be damaged during the implementation of this modification. The Contractor shall identify these areas to the Engineer and take the necessary precautions to ensure the safety of his workers prior to doing any additional work in these identified areas.
 3. Demolition Sequence:
 (1) Demolish First
 (2) Demolish Second
 (3) Demolish Third
 4. Contractor to collect all material generated during the removal of walls, columns, floors and place in the appropriate containers provided by General Electric.
 5. All columns, concrete walls and concrete floors that are to be removed during demolition shall be painted by the Contractor in a manner that they can be identified and removed during demolition of the building. The material shall be placed in the appropriate containers provided by General Electric.



No.	Date	Revisions	Init

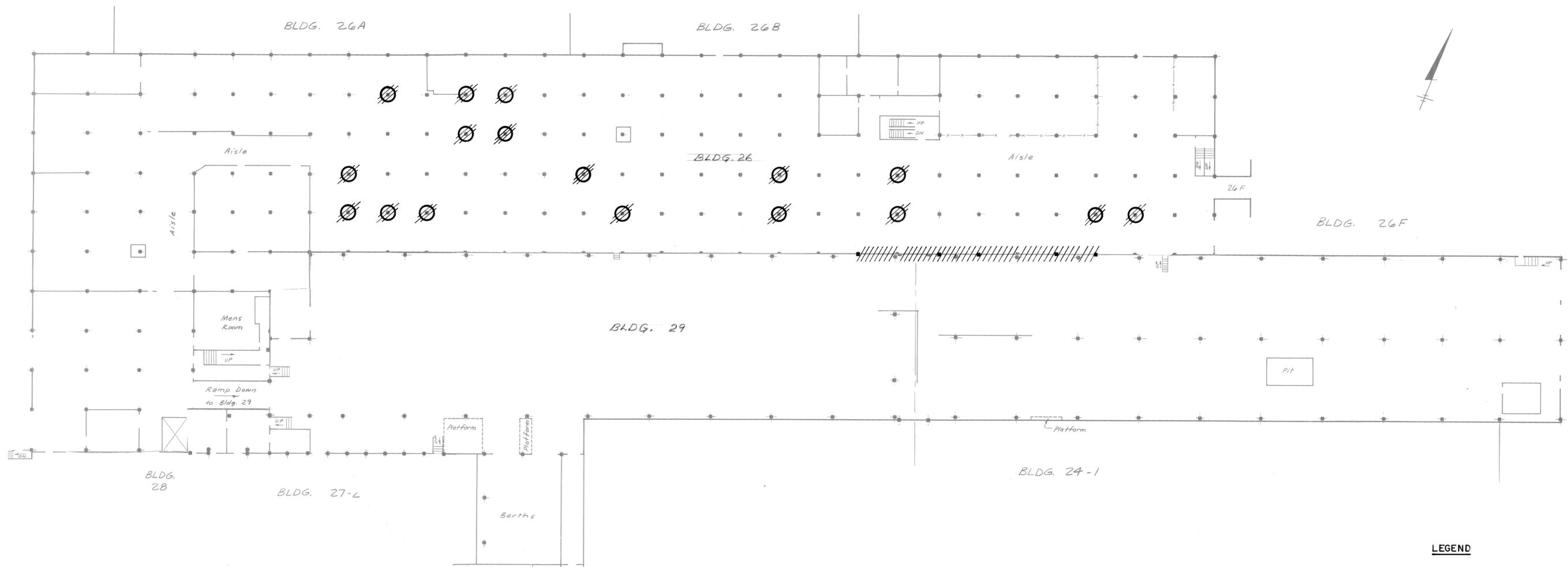
In charge of: *EAL*
 Designed by: *TWS*
 Drawn by: *PTC*
 Checked by: *EKL*

BLASLAND & BOUCK ENGINEERS, P.C.
 Syracuse, New York
 White Plains, New York

REMOVALS

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20's COMPLEX
 UTILITY RELOCATION AND BUILDING DEMOLITION
BUILDING 26-3 FLOOR PLAN
 MODIFICATION NO. 3

	File Number 101.52.17F	Z 3-2
	Date JUNE 1988	



PLAN - COLUMNS & WALLS

SCALE: 1" = 20'

(MODIFICATION TO ORIGINAL CONTRACT)

LEGEND

-  REMOVE COLUMN
-  REMOVE WALL

General Notes:

1. Columns and concrete walls that are to be removed shall be painted by the Contractor in a manner that they can be identified and removed during demolition of the building. The material shall be placed in the appropriate containers provided by General Electric.
2. Several floor areas within this modification may have been damaged from work conducted prior to this modification and may be damaged during the implementation of this modification. The Contractor shall identify these areas to the Engineer and take the necessary precautions to ensure the safety of his workers prior to doing any additional work in these identified areas.
3. The concrete wall that is to be removed may be removed prior to demolition.

SCALE: 1" = 20'



NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

No.	Date	Revisions	Init

In charge of EPL
 Designed by PWS
 Drawn by PJC
 Checked by EPL

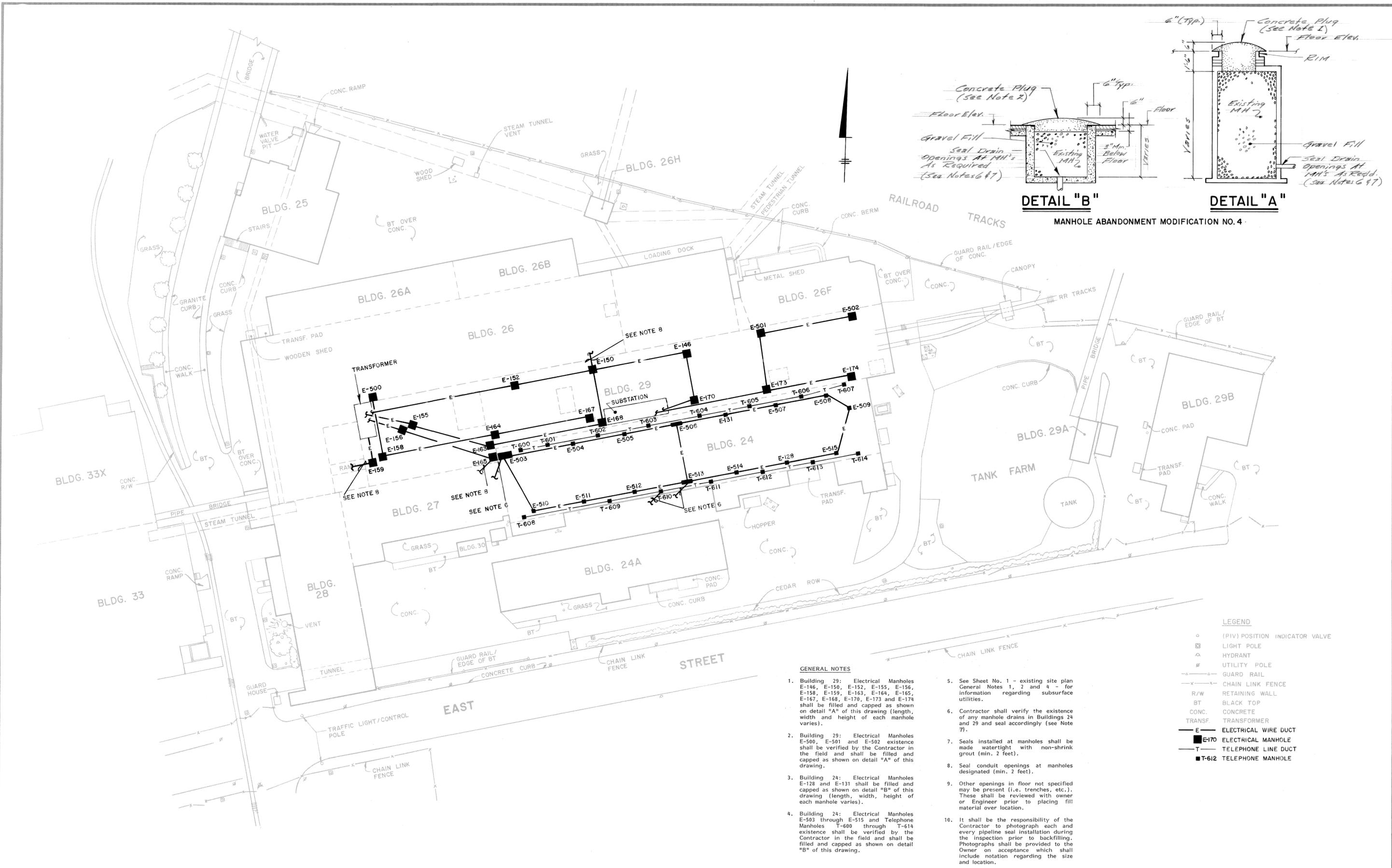


BLASLAND & BOUCK ENGINEERS, P.C.
 Syracuse, New York
 White Plains, New York

REMOVALS

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
 20's COMPLEX
 UTILITY RELOCATION AND BUILDING DEMOLITION
BUILDING 26-2 & 29-1 FLOOR PLAN
 MODIFICATION NO. 3

	File Number 101.52.18F	Z 3-3
	Date JUNE 1988	
		



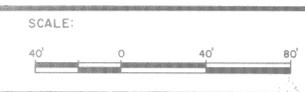
DETAIL "B"
DETAIL "A"
 MANHOLE ABANDONMENT MODIFICATION NO. 4

GENERAL NOTES

- Building 29: Electrical Manholes E-146, E-150, E-152, E-155, E-156, E-158, E-159, E-163, E-164, E-165, E-167, E-168, E-170, E-173 and E-174 shall be filled and capped as shown on detail "A" of this drawing (length, width and height of each manhole varies).
- Building 29: Electrical Manholes E-500, E-501 and E-502 existence shall be verified by the Contractor in the field and shall be filled and capped as shown on detail "A" of this drawing.
- Building 24: Electrical Manholes E-128 and E-131 shall be filled and capped as shown on detail "B" of this drawing (length, width, height of each manhole varies).
- Building 24: Electrical Manholes E-503 through E-515 and Telephone Manholes T-600 through T-614 existence shall be verified by the Contractor in the field and shall be filled and capped as shown on detail "B" of this drawing.
- See Sheet No. 1 - existing site plan General Notes 1, 2 and 4 for information regarding subsurface utilities.
- Contractor shall verify the existence of any manhole drains in Buildings 24 and 29 and seal accordingly (see Note 7).
- Seals installed at manholes shall be made watertight with non-shrink grout (min. 2 feet).
- Seal conduit openings at manholes designated (min. 2 feet).
- Other openings in floor not specified may be present (i.e. trenches, etc.). These shall be reviewed with owner or Engineer prior to placing fill material over location.
- It shall be the responsibility of the Contractor to photograph each and every pipeline seal installation during the inspection prior to backfilling. Photographs shall be provided to the Owner on acceptance which shall include notation regarding the size and location.

LEGEND

○	(PIV) POSITION INDICATOR VALVE
⊠	LIGHT POLE
△	HYDRANT
⊞	UTILITY POLE
— —	GUARD RAIL
—x—x—	CHAIN LINK FENCE
R/W	RETAINING WALL
BT	BLACK TOP
CONC.	CONCRETE
TRANSF.	TRANSFORMER
—E—	ELECTRICAL WIRE DUCT
■E-170	ELECTRICAL MANHOLE
—T—	TELEPHONE LINE DUCT
■T-612	TELEPHONE MANHOLE



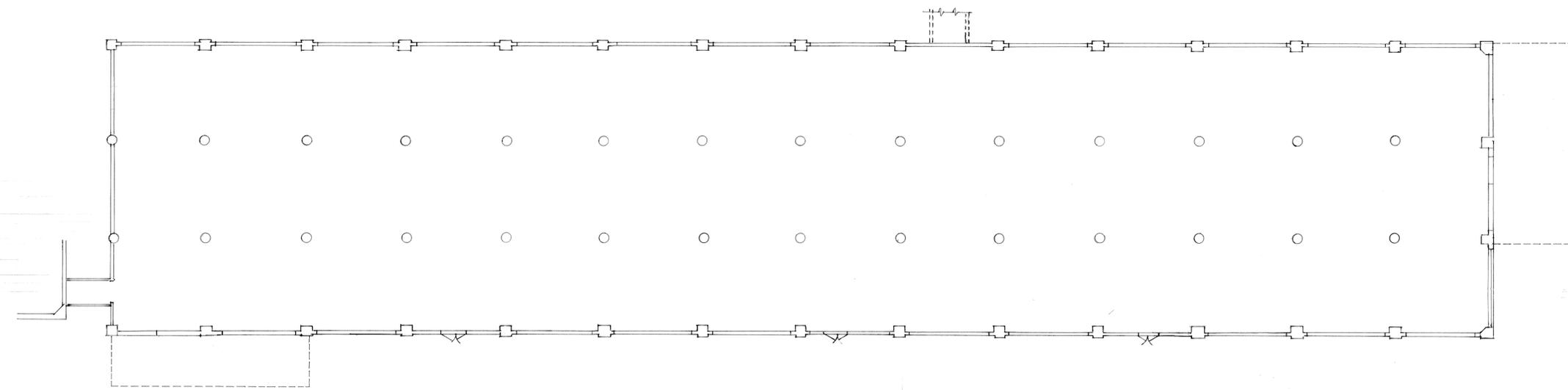
No.	Date	Revisions	Init

In charge of *Edward A. Frank*
 Designed by *ERL*
 Drawn by *ERL*
 Checked by *ERL*

BLASLAND & BOUCK ENGINEERS, P.C.
 Syracuse, New York
 White Plains, New York

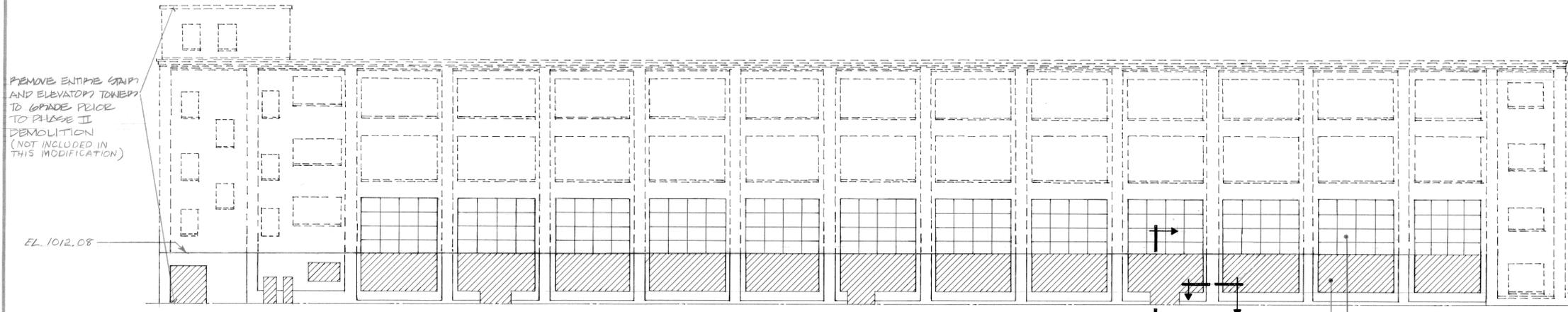
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20'S COMPLEX
 UTILITY RELOCATION AND BUILDING DEMOLITION
 BUILDINGS 24 & 29
ELECTRICAL & TELEPHONE MH ABANDONMENT
 MODIFICATION NO. 4

File Number 101.52.19F
 Date MARCH 30, 1988
Z-4



REMOVE EXISTING STAIRS AND ELEVATOR TOWER COMPLETELY TO SLAB ON GRADE PRIOR TO PHASE II DEMOLITION
 BLOCK ALL WINDOW AND DOOR OPENINGS AS SHOWN IN SECTIONS & DETAILS
 PLACE DEBRIS AS SHOWN ON SITE PLAN (NOT INCLUDED IN THIS MODIFICATION)

PLAN
 SCALE: 1/16" = 1'-0"



REMOVE ENTIRE STAIRS AND ELEVATOR TOWER TO GRADE PRIOR TO PHASE II DEMOLITION (NOT INCLUDED IN THIS MODIFICATION)

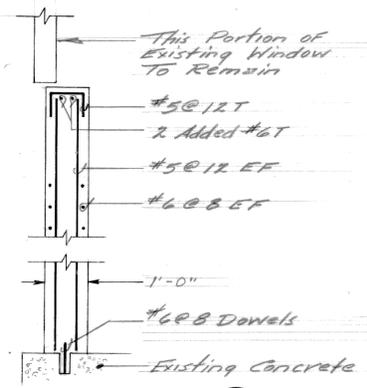
REMOVE BLDG 24 TO ELEVATION BELOW 1015 GIVE ROOM TO FORM NEW STRUCTURAL BEAMS & SLAB. REMOVE STAIRWAYS COMPLETELY TO GRADE (NOT INCLUDED IN THIS MODIFICATION)

LEGEND
 Areas Shown Cross-Hatched Shall Be Filled With Reinforced Concrete To EL. 1012.08

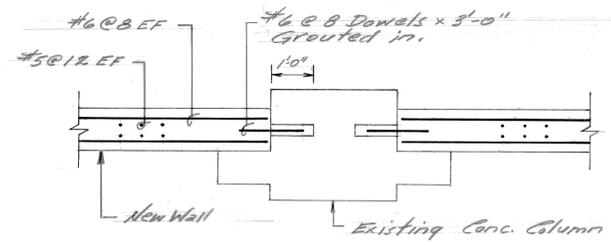
SOUTH ELEVATION BLDG. 24
 SCALE: 1/16" = 1'-0"

Existing Window to Remain in This Area (Typ.)
 Remove Existing Window in This Area & Construct New Reinforced Concrete Wall (Typ.)

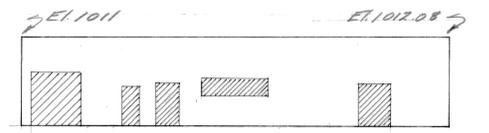
Note:
 Max. Fill Differential Shall Be 3'-0"



SECTION 1
 SCALE: 1/2" = 1'-0"



SECTION 2
 SCALE: 1/2" = 1'-0"



INTERIOR EAST ELEV. AT BLDG. 24
 SCALE: 1/16" = 1'-0"

SCALE:	No.	Date	Revisions	Init.	In charge of
AS SHOWN					<i>Edward J. Paul</i>
					Designed by <i>TWS</i>
					Drawn by <i>TTC</i>
					Checked by <i>EDC</i>

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

BLASLAND & BOUCK ENGINEERS, P.C.
 Syracuse, New York
 White Plains, New York

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20's COMPLEX
 PHASE III DEMOLITION & BUILDING 24 MODIFICATIONS

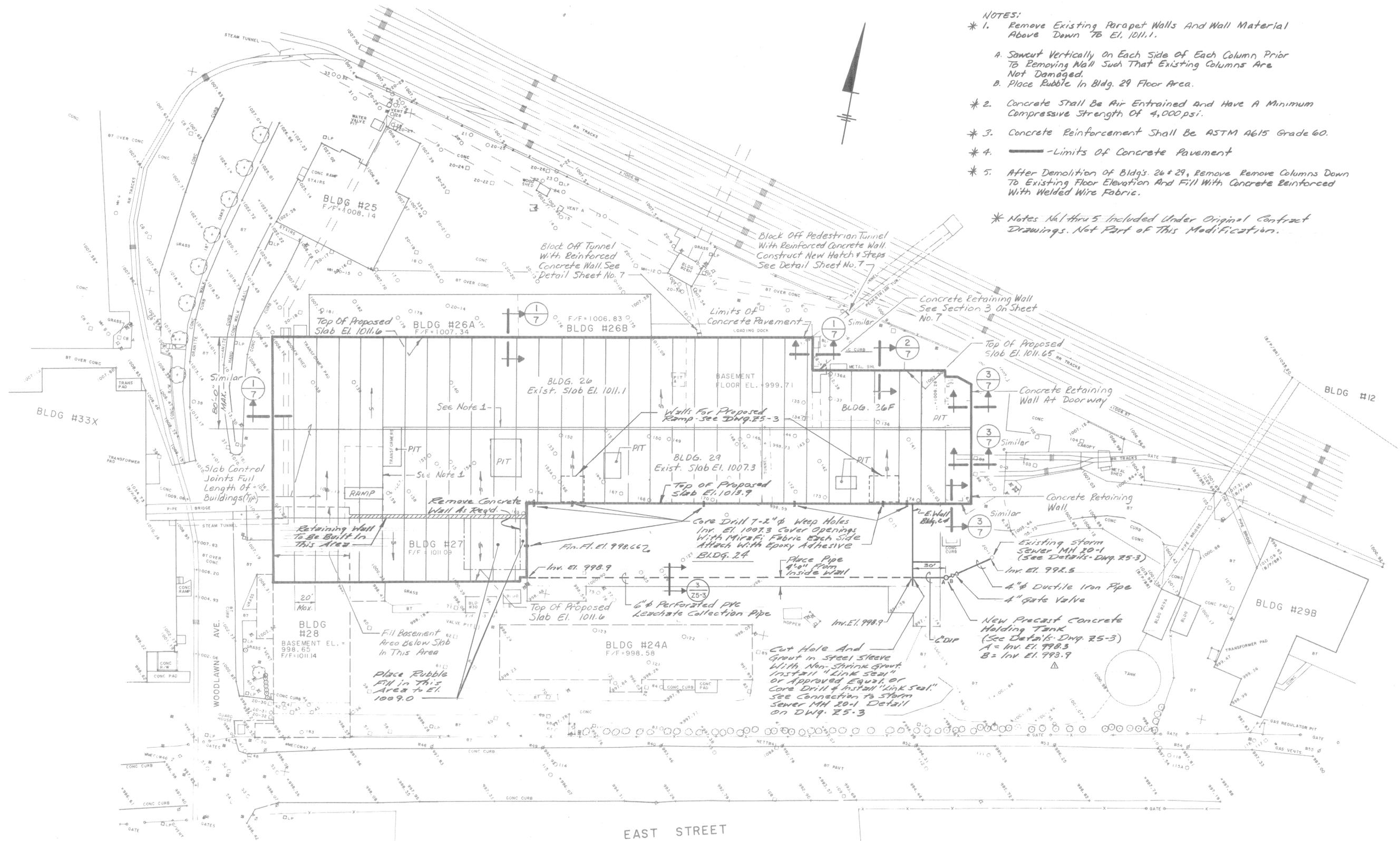
PLAN & ELEVATIONS

WARREN V. BLASLAND, JR.
 No. 29115
 REGISTERED PROFESSIONAL ENGINEER

File Number 101.52.20F
 Date APRIL 14, 1988

Z5-1

- NOTES:**
- * 1. Remove Existing Parapet Walls And Wall Material Above Down To El. 1011.1.
 - * 2. Concrete Shall Be Air Entrained And Have A Minimum Compressive Strength Of 4,000 psi.
 - * 3. Concrete Reinforcement Shall Be ASTM A615 Grade 60.
 - * 4. ——— Limits Of Concrete Pavement
 - * 5. After Demolition Of Bldg's 26 + 29, Remove Columns Down To Existing Floor Elevation And Fill With Concrete Reinforced With Welded Wire Fabric.
- * Notes 1 thru 5 Included Under Original Contract Drawings. Not Part Of This Modification.



No.	Date	Revisions	Init.
1	5-2-88	Inv. El. 998.9 W/L 998.9	FSK

In charge of *David J. Puck*
 Designed by *TWS/FSK*
 Drawn by *DTC*
 Checked by *ENL*

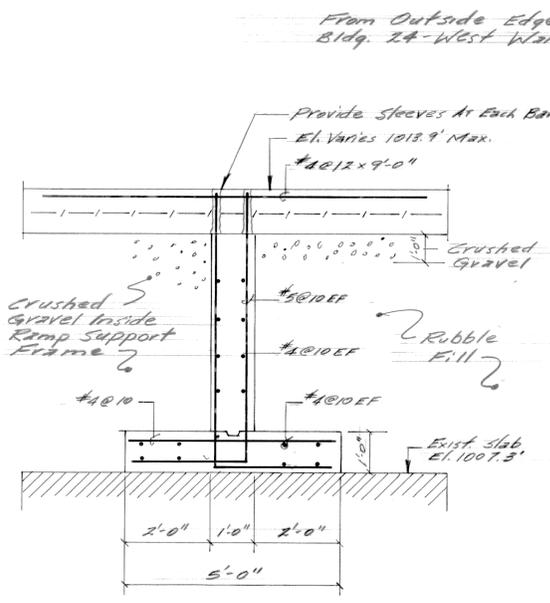


GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20'S COMPLEX
 PHASE III DEMOLITION & BUILDING 24 MODIFICATIONS
CONCRETE PAVEMENT PLAN

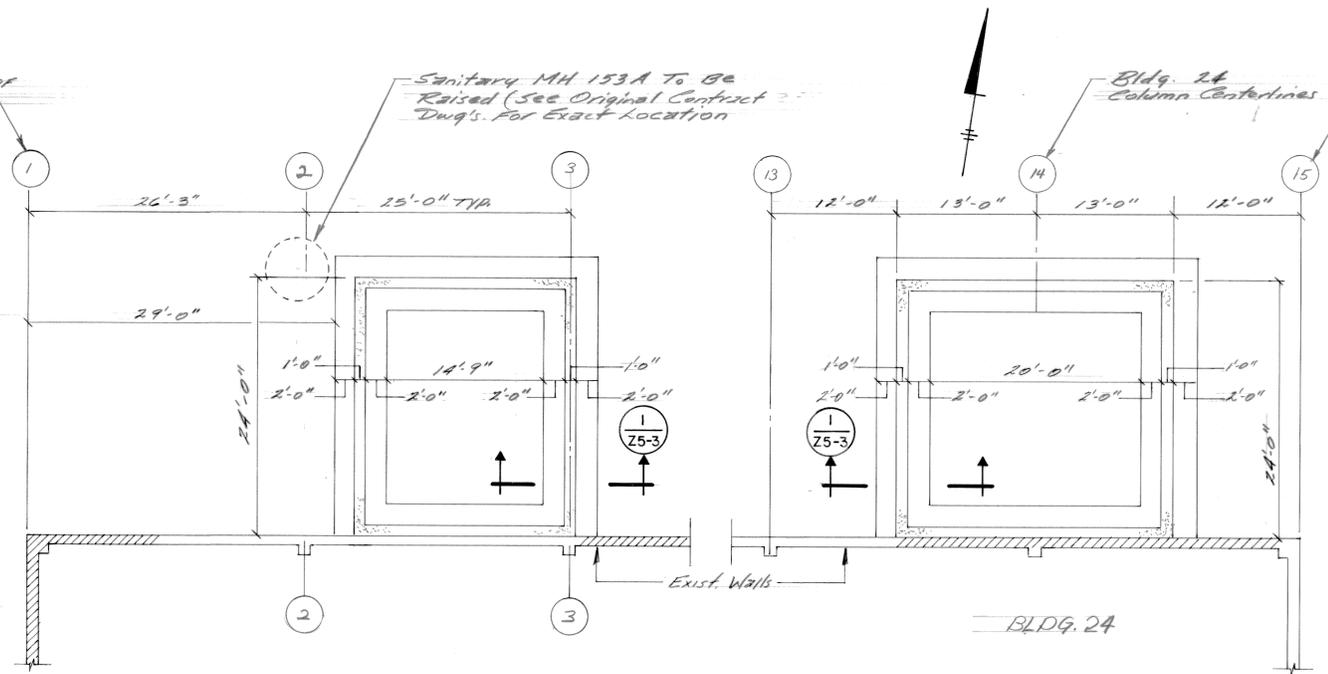


File Number
101.52.21F
 Date
APRIL 14, 1988
 Z5-2

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW



SECTION 1
SCALE: 1/2"=1'-0"
75-3



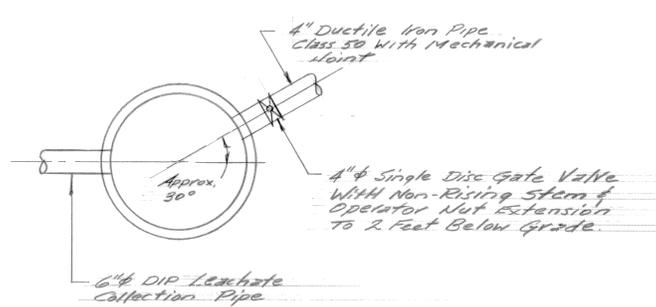
PARTIAL PLAN AT BLDG. 24
SCALE: 1/8"=1'-0"

SPECIFICATIONS

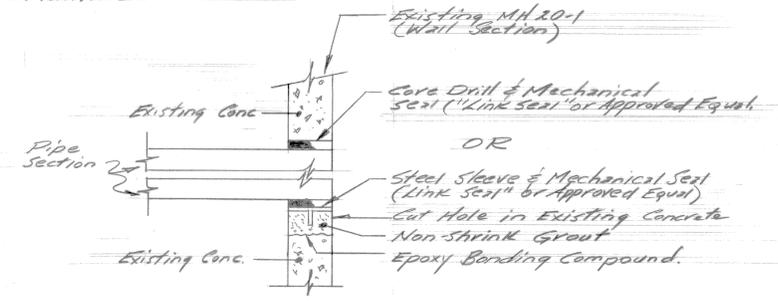
Leachate Collection System

- A. **Perforated PVC Pipe**
 1. The perforated PVC pipe installed shall be six-inch diameter, schedule SDR-35 with elastomeric gasket-type joints as manufactured by Robin-Tech, or approved equal.
 2. The solid PVC pipe installed shall be six-inch diameter, schedule SDR-35 with rubber ring joints.
 3. The acceptable pipe manufacturers are LCP Pipe, Carlon Pipe, Robin-Tech Pipe, or an approved equal.
- B. **Standards**
 1. ASTM - D3034 for six-inch pipe SDR-35.
 2. ASTM - 2729 for pipe perforations.
- C. **Type A Material**
 1. Thoroughly washed screened gravel or clean, sound tough, hard stone free from coatings. It shall consist of crushed and uncrushed particles and shall have a gradation by weight of 100 percent passing a 1-1/2 inch square opening, not more than 25 percent passing a 3/4 inch square opening and not more than 5 percent passing a 1/2 inch square opening.
- D. **Pipe Installation**
 1. Perforated PVC Pipe shall be installed as shown on this drawing and Drawing No. P-2.
 2. Perforated pipe shall be wrapped with one layer of Mirafi filter fabric.
 3. The pipeline shall be free from cracks and shall contain no deposits of backfilled materials. All deficiencies located during inspection shall be corrected by the Contractor at his expense.

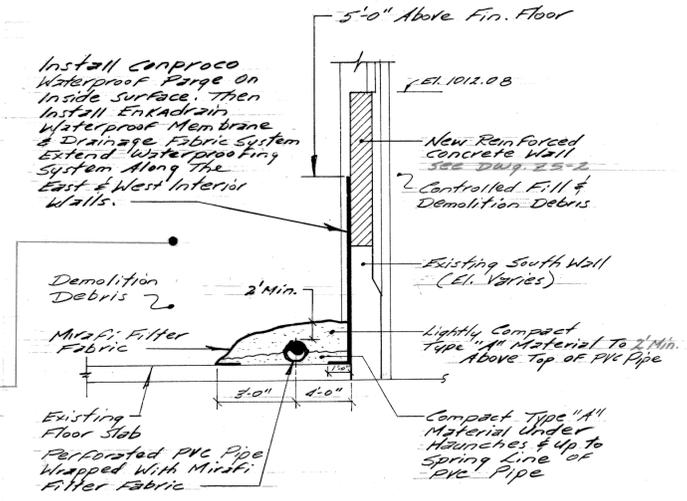
Note:
Provide Two Mechanical Joints Within 3'-0" of Manhole



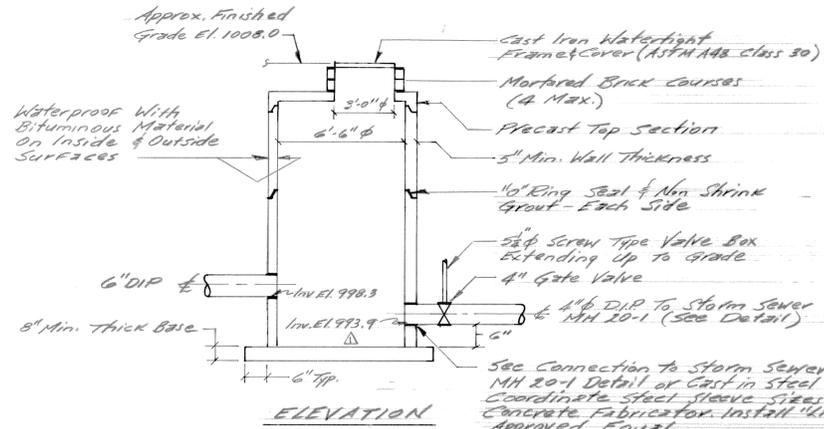
PLAN



STORM SEWER MH. 20-1 PIPE CONN. DETAIL
N.T.S.



SECTION 3
N.T.S.
75-2



ELEVATION

PRECAST CONCRETE HOLDING TANK
N. T. S.

- Notes:*
1. Holding Tank shall be constructed & reinforced according to ASTM C478 (Designed H-20 Loading)
 2. Raise Holding Tank to grade as Demolition Fill Proceeds

Contractor shall Place Demolition Debris in This Area in a Manner That Will Not Damage The Leachate Collection Pipe & South Wall of Bldg. 24. Contractor shall be Responsible For Repairing Damage Found By the Field Observer At His Own Expense.

SCALE: AS SHOWN
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

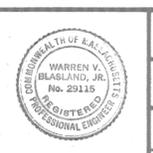
No.	Date	Revisions	Int.
1	5-6-88	Inv. El. 993.9 Var. 992.9	FSK

In charge of: *Edward J. Guel*
Designed by: *TWS / FJK*
Drawn by: *TC*
Checked by: *ELK*

BLASLAND & BOUCK ENGINEERS, P.C.
Syracuse, New York
White Plains, New York

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
20'S COMPLEX
PHASE III DEMOLITION & BUILDING 24 MODIFICATIONS

PLANS & SECTIONS



File Number: 101.52.22F
Date: APRIL 14, 1988
Z5-3

- NOTES:**
- * 1. Remove Existing Parapet Walls And Wall Material Above Down To El. 1011.1.
 - A. Sawcut Vertically On Each Side Of Each Column Prior To Removing Wall Such That Existing Columns Are Not Damaged.
 - B. Place Rubble In Bldg. 29 Floor Area.
 - * 2. Concrete Shall Be Air Entrained And Have A Minimum Compressive Strength Of 4,000 psi.
 - * 3. Concrete Reinforcement Shall Be ASTM A615 Grade 60.
 - * 4. ——— Limits Of Concrete Pavement
 - * 5. After Demolition Of Bldgs. 26+29, Remove Columns Down To Existing Floor Elevation And Fill With Concrete Reinforced With Welded Wire Fabric.
- * Notes No.1 thru 5 Included Under Original Contract Drawings. Not Part of This Modification.

Raise Existing Steam Tunnel To Proposed Grade. See Dwg. Z6-3 For Details

Reinforced Concrete Retaining Wall At Existing Door Openings

Demolish Existing Brick Masonry Walls At Steam Tunnel After The Demolition Of Bldg. 28. Construct New Walls and Top Slab As Shown On Dwg. Z6-2

Block Existing Door Openings In Elevator Shaft and Compressor Room. Fill With Clean Demolition Rubble. See Dwg. Z6-2 For Details

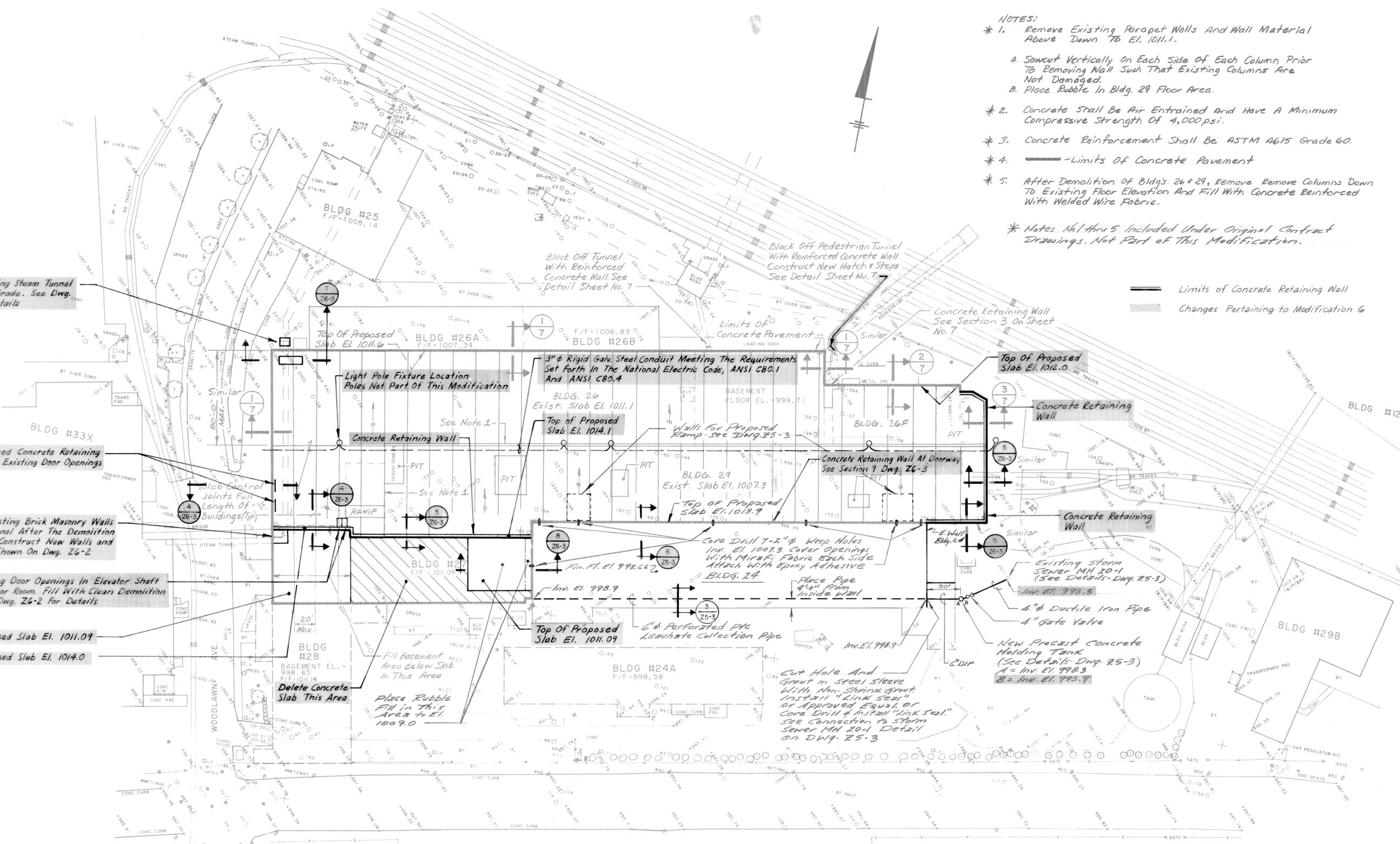
Top Of Proposed Slab El. 1011.09

Top Of Proposed Slab El. 1014.0

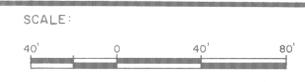
Fill Basement Area Below Slab In This Area
Place Rubble Fill In This Area To El. 1009.0

Cut Hole And Grout In Steel Sleeve With Non-Shrink Grout. Install "Link Seal" or Approved Equal, or Core Drill & Install "Link Seal." See Connection to Storm Sewer MH 20-1 Detail on Dwg. Z5-3

New Precast Concrete Holding Tank (See Details - Dwg. Z5-3)
A = Inv. El. 998.3
B = Inv. El. 993.9



——— Limits of Concrete Retaining Wall
 ■ Changes Pertaining to Modification 6

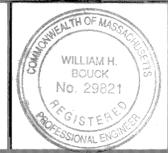


No.	Date	Revisions	Init.

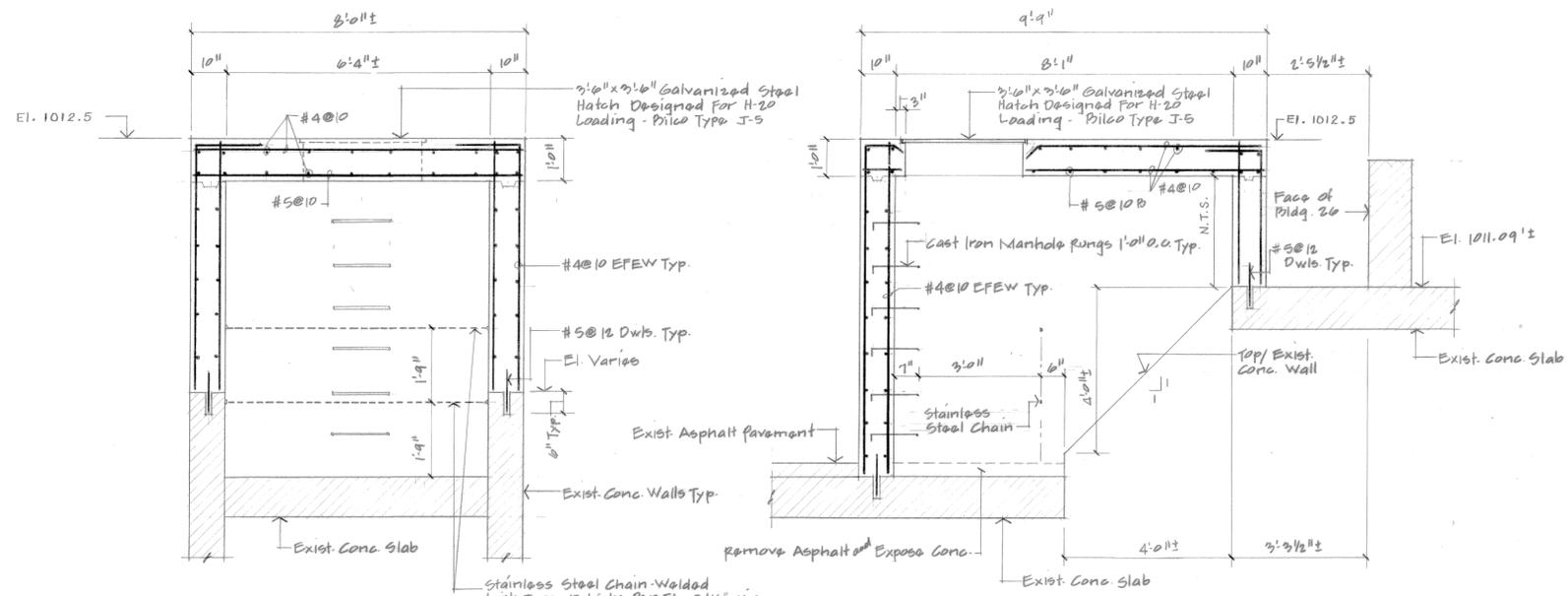
In charge of *Edward J. Puch*
 Designed by *TWS/JSK*
 Drawn by *DTG*
 Checked by *ENK*



GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20'S COMPLEX
 PHASE III DEMOLITION & BUILDING 24 MODIFICATIONS
CONCRETE PAVEMENT PLAN

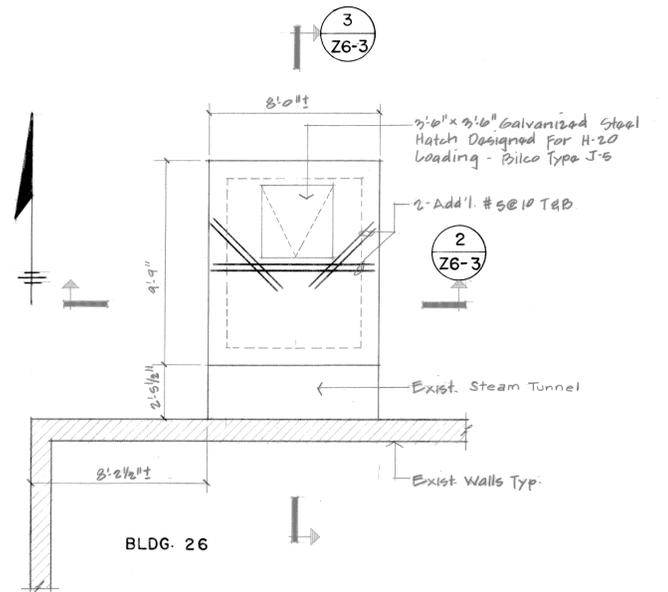


File Number 101.52.23F
 Date APRIL 1988
 Signature: *William H. Bouck*
Z6-1

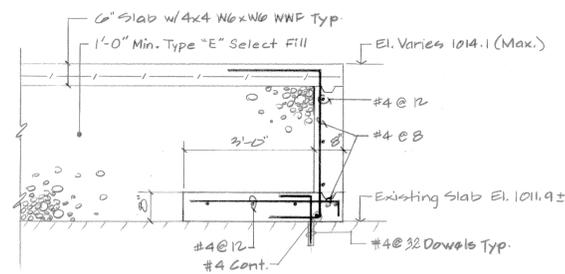


SECTION 2
SCALE: 1/2"=1'-0"
Z6-3

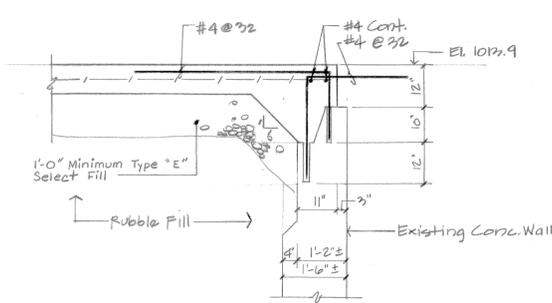
SECTION 3
SCALE: 1/2"=1'-0"
Z6-3



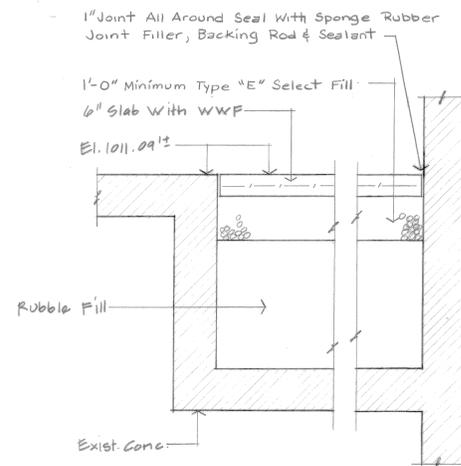
PARTIAL PLAN AT BLDG. 26
SCALE: 1/4"=1'-0"



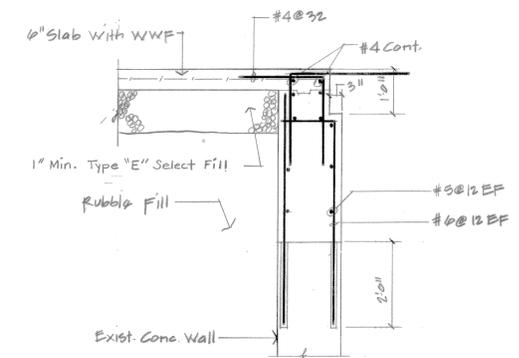
SECTION 4
SCALE: 1/2"=1'-0"
Z6-1



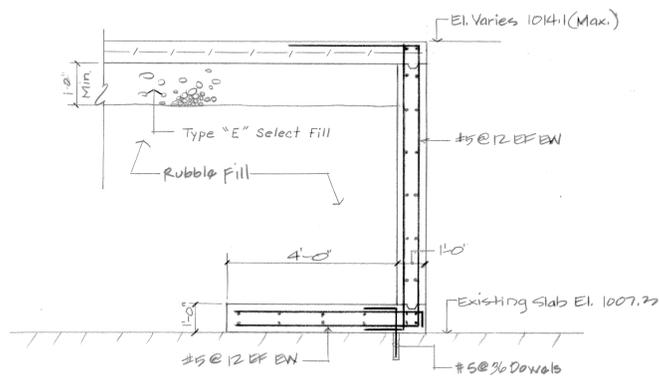
SECTION 6
SCALE: 1/2"=1'-0"
Z6-1



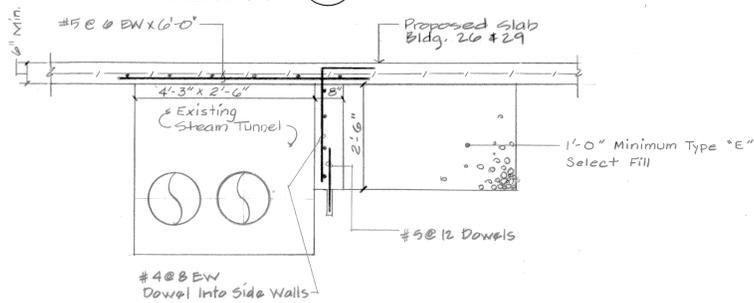
SECTION 8
SCALE: 1/2"=1'-0"
Z6-1



SECTION 9
SCALE: 1/2"=1'-0"
Z6-1



SECTION 5
SCALE: 1/2"=1'-0"
Z6-1



SECTION 7
SCALE: 1/2"=1'-0"
Z6-1

SCALE: 1/4"=1'-0" 1/2"=1'-0"

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

No.	Date	Revisions	Init.

In charge of: *Edward R. Fink*
 Designed by: TWS
 Drawn by: RFB
 Checked by: *ERL*

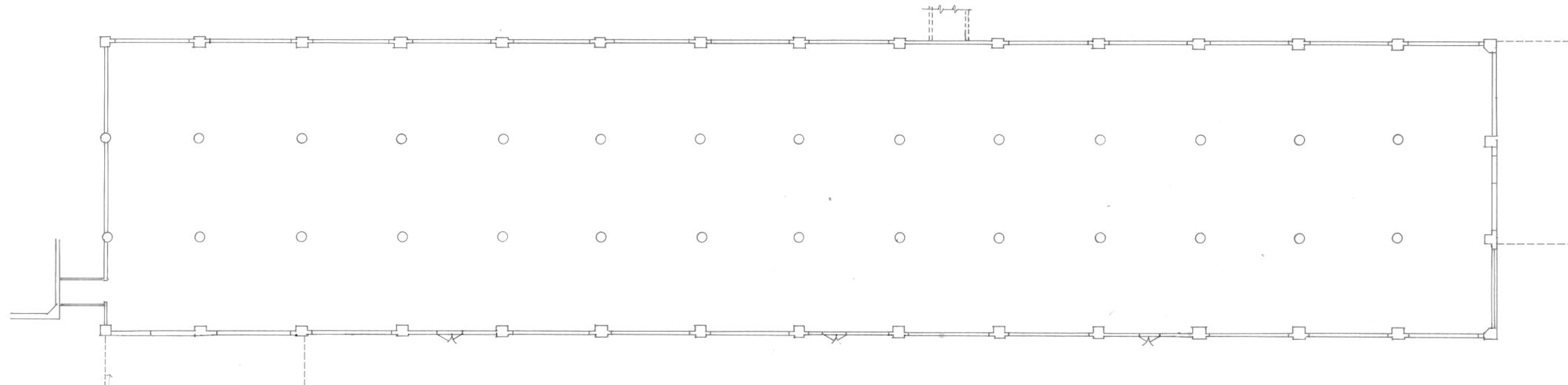
BLASLAND & BOUCK ENGINEERS, P.C.
Syracuse, New York
White Plains, New York

GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
20's COMPLEX
CONTRACT NO. 1-20 1987 MODIFICATIONS
STRUCTURAL DETAILS

COMMONWEALTH OF MASSACHUSETTS
WILLIAM H. BOUCK
No. 29821
REGISTERED PROFESSIONAL ENGINEER

File Number: 101.52.25F
Date: APRIL 1988

Z6-3



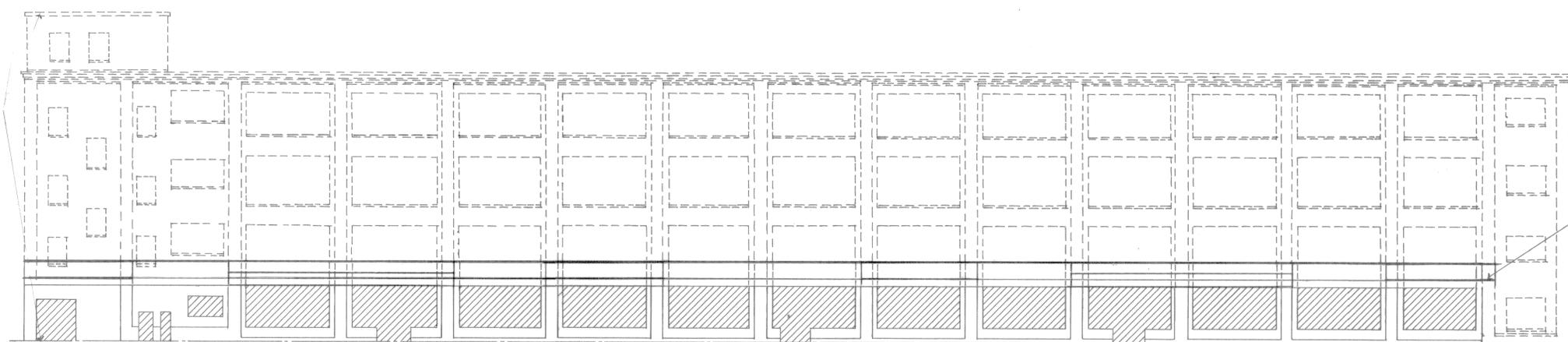
REMOVE EXISTING STAIRS AND ELEVATOR TOWER COMPLETELY TO SLAB ON GRADE PRIOR TO PHASE II DEMOLITION

NOTES:

1. COLUMNS & WALLS ON FIRST FLOOR ARE TO BE USED TO SUPPORT THE NEW DECK SYSTEM. CONTRACTOR SHALL PROTECT EXISTING STRUCTURAL FRAMING BELOW THE ELEVATION REQUIRED TO INSTALL THE NEW CONCRETE DECK SYSTEM. CONTRACTOR SHALL REPAIR ANY DAMAGE TO STRUCTURAL FRAMING (COLUMNS & WALLS) AT HIS OWN EXPENSE.
2. DEMOLITION EQUIPMENT THAT IS TO BE USED ON THE BUILDING 24-2 FLOOR SLAB SHALL MEET THE LOADING REQUIREMENTS STATED IN NOTE 6 ON DWG. Z6-G.

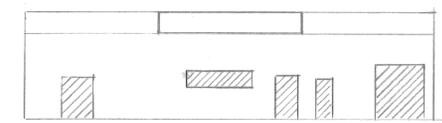
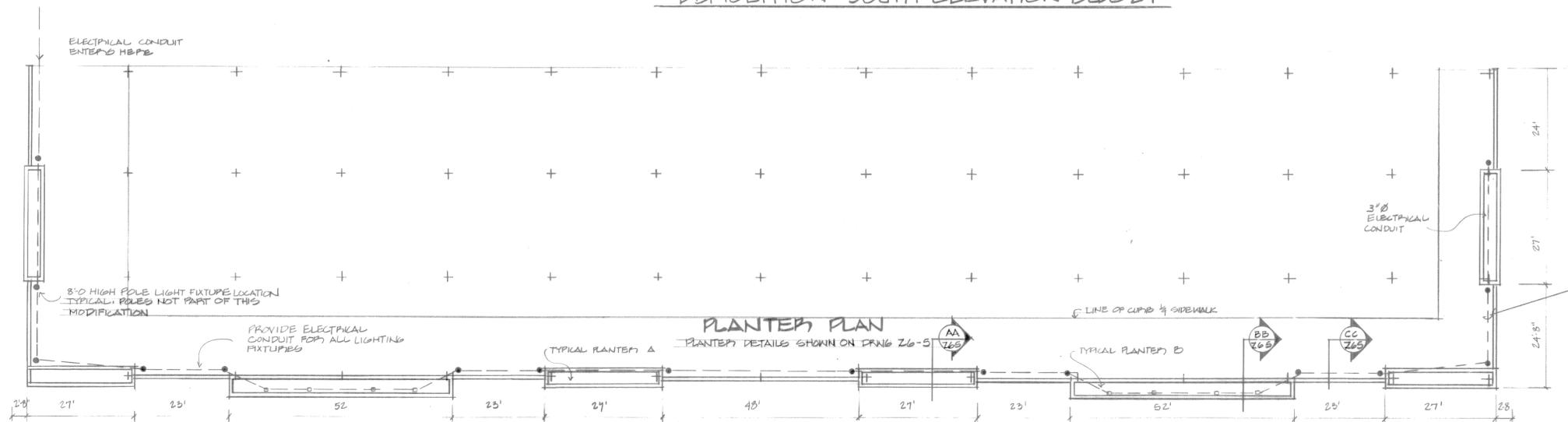
PLAN

REMOVE EXISTING STAIRS AND ELEVATOR TOWER TO GRADE PRIOR TO PHASE II DEMOLITION



FILLED AREAS ARE REQUIRED BY MODIFICATION #5

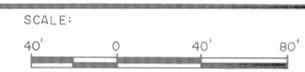
DEMOLITION SOUTH ELEVATION BLDG #24



EAST ELEVATION

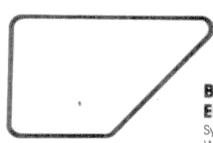
Electrical Conduit Shall Be 3" Rigid Galvanized Steel Conduit Meeting The Requirements Set Forth In The National Electric Code, ANSI C80.1 And ANSI C80.4

PLANTER PLAN



No	Date	Revisions	Init

In charge of *Edward J. Paul*
 Designed by *RJE*
 Drawn by *RJE*
 Checked by *EL*



BLASLAND & BOUCK ENGINEERS, P.C.
 Syracuse, New York
 White Plains, New York

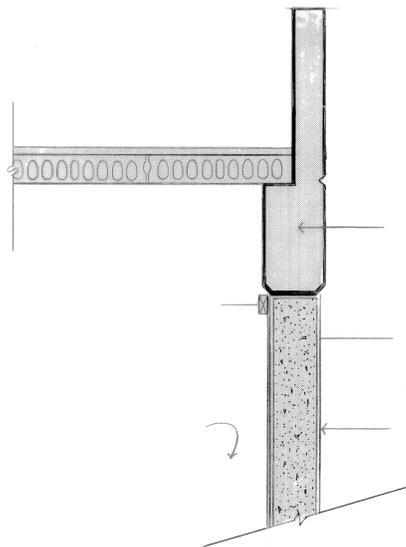
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20's COMPLEX
 PHASE III DEMOLITION & BUILDING 24 MODIFICATIONS

PLAN & ELEVATIONS

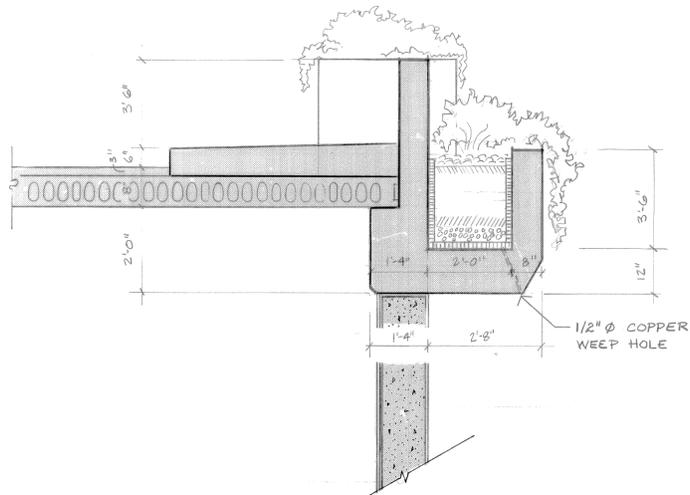


File Number
101.52.26F
Date
APRIL 1988

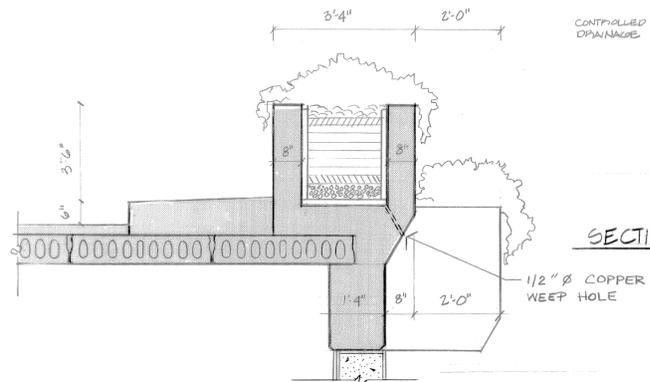
Z6-4



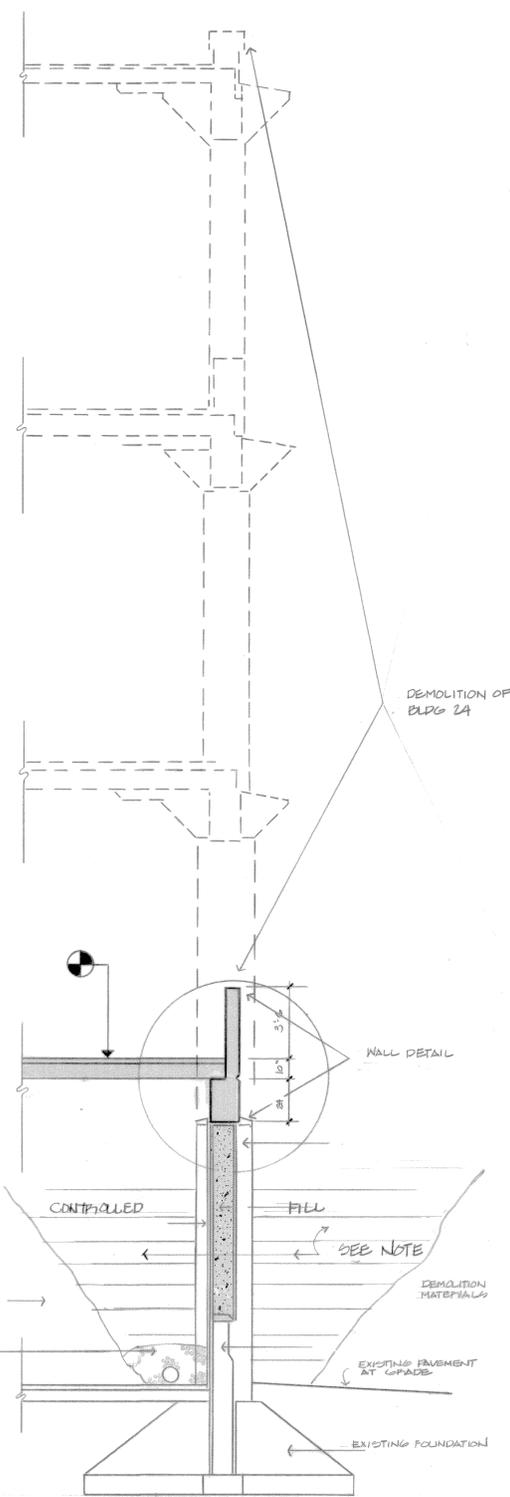
DETAIL WALL BETWEEN PLANTERS
SCALE 1/2" = 1'-0"



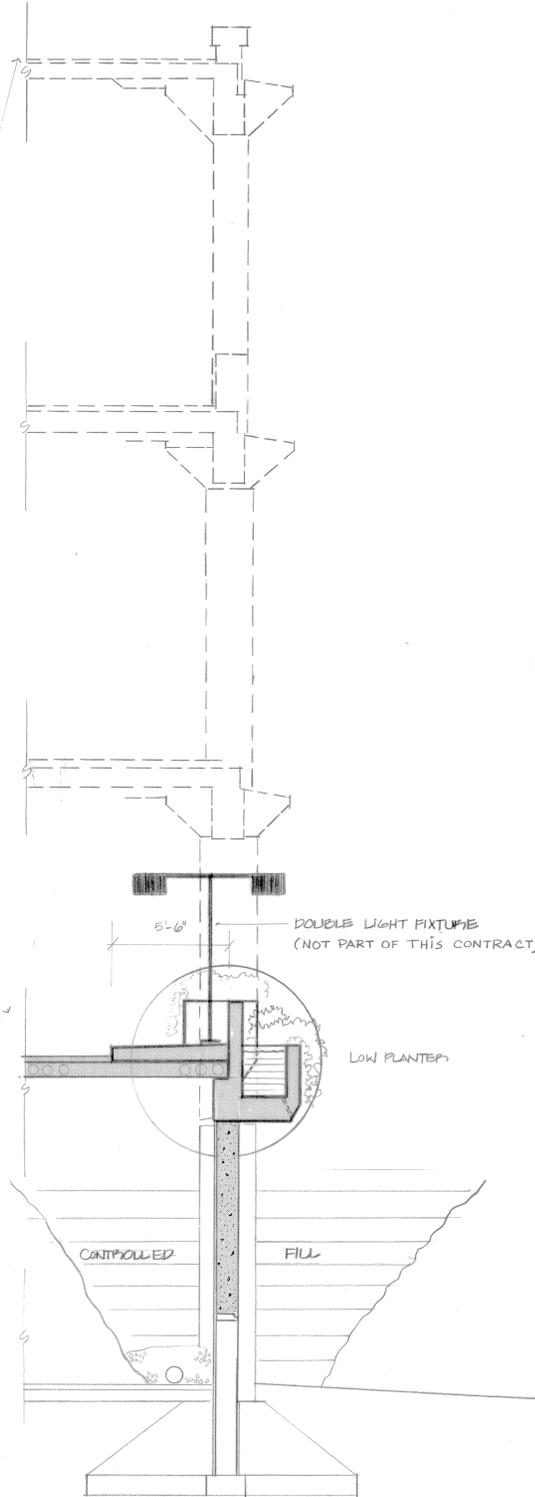
DETAIL PLANTER "B"
SCALE 1/2" = 1'-0"



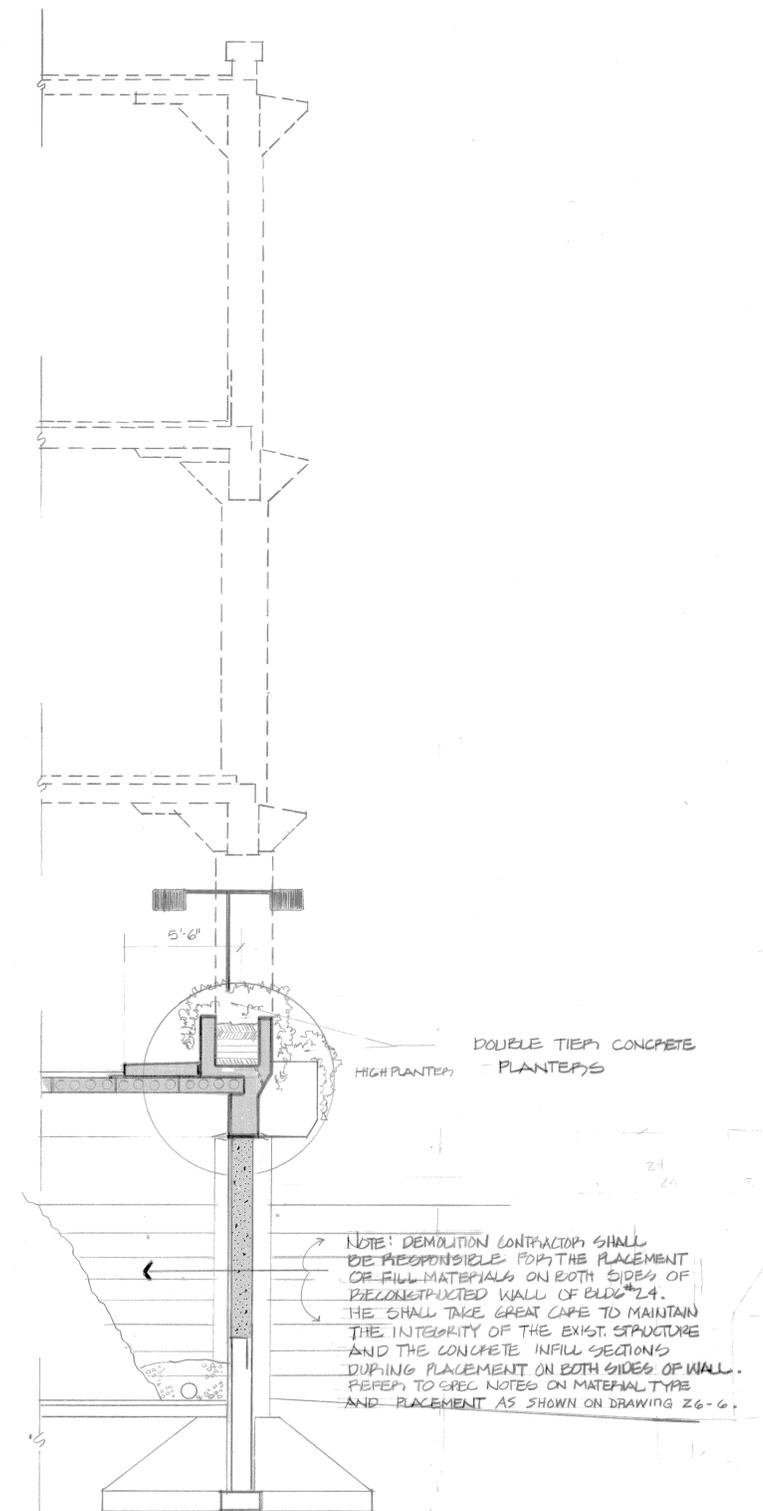
DETAIL PLANTER "A"
SCALE 1/2" = 1'-0"



SECTION CC THROUGH WALL & CURB BETWEEN PLANTERS
SCALE 1/4" = 1'-0"



SECTION BB THROUGH LOWER PLANTER "B"
SCALE 1/4" = 1'-0"



PROPOSED RECONSTRUCTION
SECTION AA DEMOLITION BLDG 24 UPPER PLANTER "A"
SCALE 1/4" = 1'-0"

NOTE: DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF FILL MATERIALS ON BOTH SIDES OF DECONSTRUCTED WALL OF BLDG 24. HE SHALL TAKE GREAT CARE TO MAINTAIN THE INTEGRITY OF THE EXIST. STRUCTURE AND THE CONCRETE INFILL SECTIONS DURING PLACEMENT ON BOTH SIDES OF WALL. REFER TO SPEC NOTES ON MATERIAL TYPE AND PLACEMENT AS SHOWN ON DRAWING Z6-6.

SCALE: 1/4" = 1'-0" 1/2" = 1'-0"

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No.	Date	Revisions	Init.

In charge of *Edward L. Lynch*
 Designed by *RSE*
 Drawn by *RSE*
 Checked by *EEL*

BLASLAND & BOUCK ENGINEERS, P.C.
 Syracuse, New York
 White Plains, New York

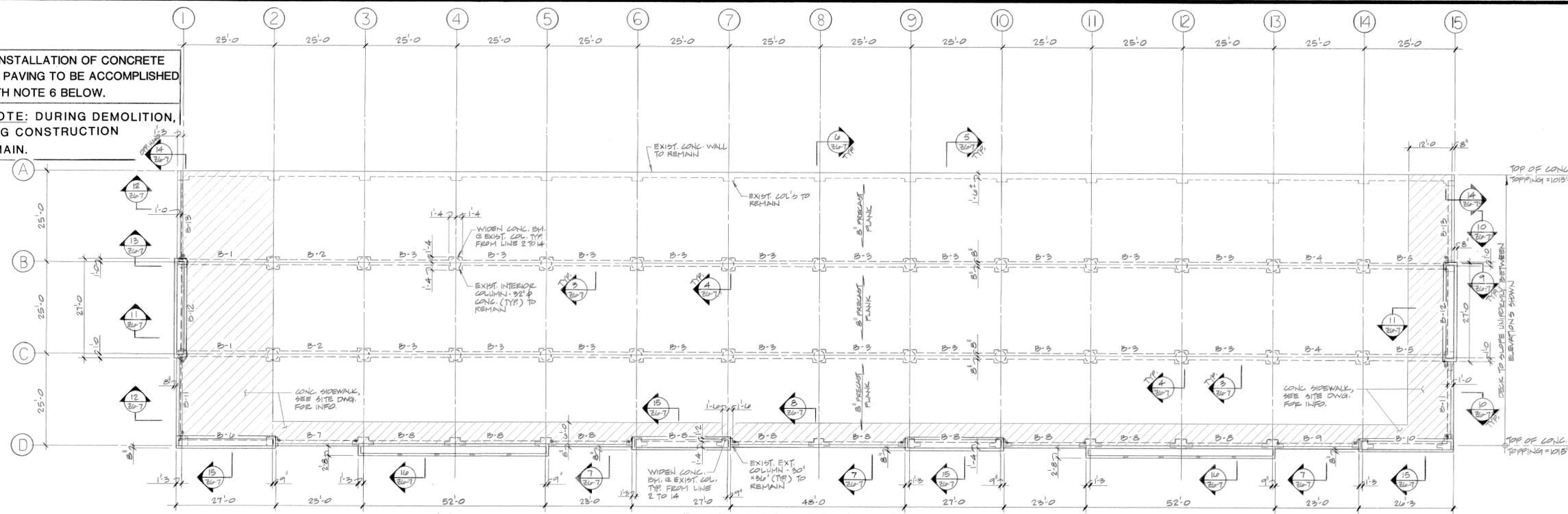
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20's COMPLEX
 PHASE III DEMOLITION & BUILDING 24 MODIFICATIONS

SECTIONS & DETAILS

File Number: 101.52.27F
 Date: APRIL 1988
Z6-5

CONTRACTOR NOTE: INSTALLATION OF CONCRETE TOPPING & ASPHALT PAVING TO BE ACCOMPLISHED IN ACCORDANCE WITH NOTE 6 BELOW.

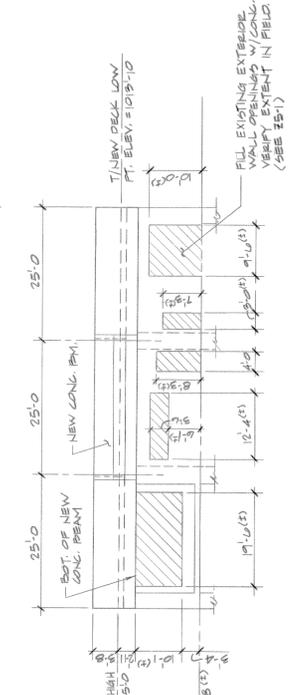
CONTRACTOR NOTE: DURING DEMOLITION, PROTECT EXISTING CONSTRUCTION INTENDED TO REMAIN.



NOTE:
 • - DENOTES LIGHT POLE LOCATION
 □ - DENOTES PLANTER LIGHT LOCATION

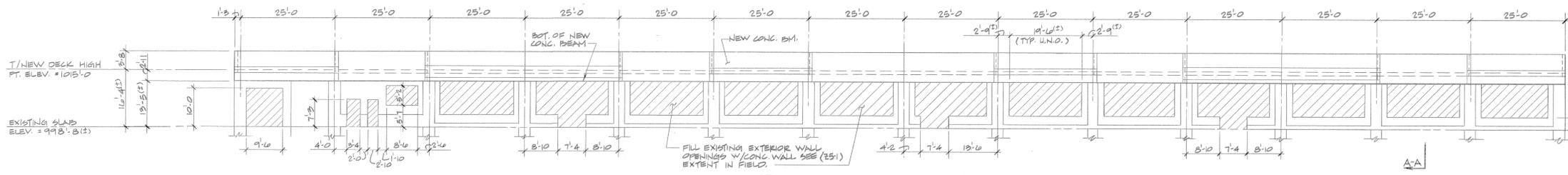
DECK FRAMING PLAN

SCALE: 1/16"=1'-0"



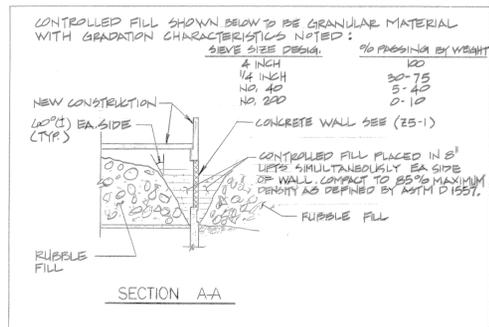
ELEVATION OF EAST WALL

Scale: 1/16"=1'-0"

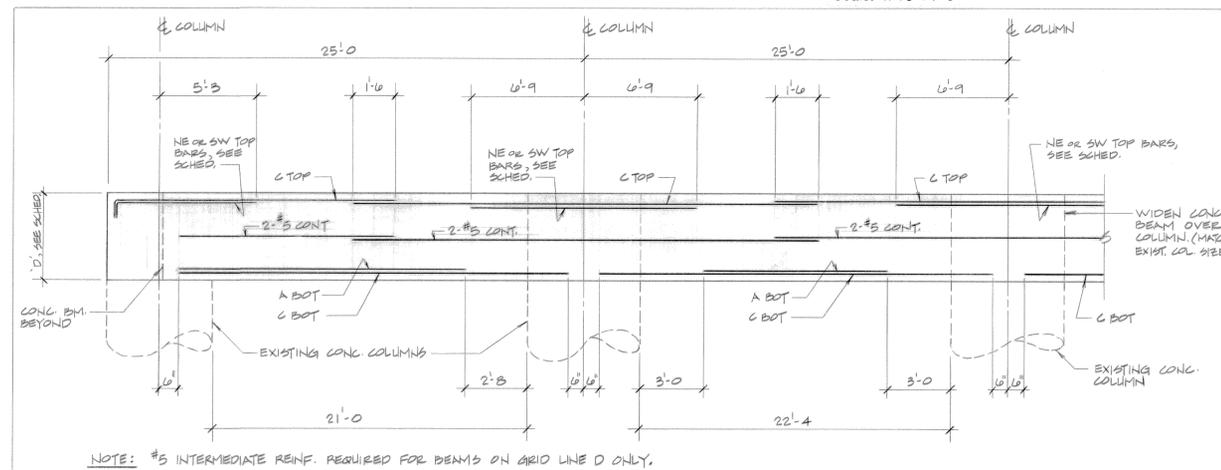


ELEVATION OF SOUTH WALL

Scale: 1/16"=1'-0"



- GENERAL NOTES:**
- Finished top of concrete elevation varies, see plan.
 - Concrete compressive strength (28 days):
 Concrete beams - $f'_c = 3,000$ psi
 Concrete topping - $f'_c = 4,000$ psi
 - Precast Hollow Core Plank:
 Design superimposed live load = 65 psf
 Design dead load
 a. Plank 60
 b. Concrete topping 38
 c. Asphalt 20
 118 psf
 - Reinforcing steel to be ASTM A 615 - 60 ($F_y = 60,000$ psi).
 - Field verify all existing conditions and dimensions.
 - Weight of construction equipment operating on new concrete floor to be limited to the lesser of:
 a. 50#/ft²
 b. Concentrated wheel load of 2000#
- * - SIDEWALK AREA AS SHOWN ON PLAN: DELETE ASPHALT DEAD LOAD AND ADD 100 psf FOR CONG. SIDEWALK DEAD LOAD.



NOTE: #5 INTERMEDIATE REINF. REQUIRED FOR BEAMS ON GRID LINE D ONLY.

TYPICAL CONCRETE BEAM DETAIL

No Scale

MARK	SIZE		MAIN REINFORCING				STIRRUPS	
	B	D	C BOT	C TOP	NE TOP	SW TOP	NE END	SW END
B-1	16"	24"	5-#9	2-#7	4-#9	4-#9	6-#4@10"	6-#4@10"
B-2	16"	22"	2-#7	2-#7	4-#9	4-#9	6-#4@9"	6-#4@9"
B-3	16"	22"	2-#7	2-#7	4-#9	4-#9	6-#4@9"	6-#4@9"
B-4	16"	22"	2-#7	2-#7	4-#9	4-#9	6-#4@9"	6-#4@9"
B-5	16"	24"	5-#9	2-#7	4-#9	4-#9	6-#4@10"	6-#4@10"
B-6	16"	24"	4-#8	2-#6	4-#9	4-#9	6-#4@10"	6-#4@10"
B-7	16"	24"	2-#6	2-#7	3-#9	4-#9	6-#4@10"	6-#4@10"
B-8	16"	24"	2-#6	2-#7	3-#9	3-#9	6-#4@10"	6-#4@10"
B-9	16"	24"	2-#6	2-#7	3-#9	3-#9	6-#4@10"	6-#4@10"
B-10	16"	24"	4-#8	2-#6	4-#9	4-#9	6-#4@10"	6-#4@10"
B-11	12"	24"	2-#6	2-#6	2-#6	2-#6	6-#4@10"	6-#4@10"
B-12	12"	24"	2-#7	2-#6	2-#6	2-#6	6-#4@10"	6-#4@10"
B-13	12"	24"	2-#6	2-#6	2-#6	2-#6	6-#4@10"	6-#4@10"



No.	Date	Revisions	Init

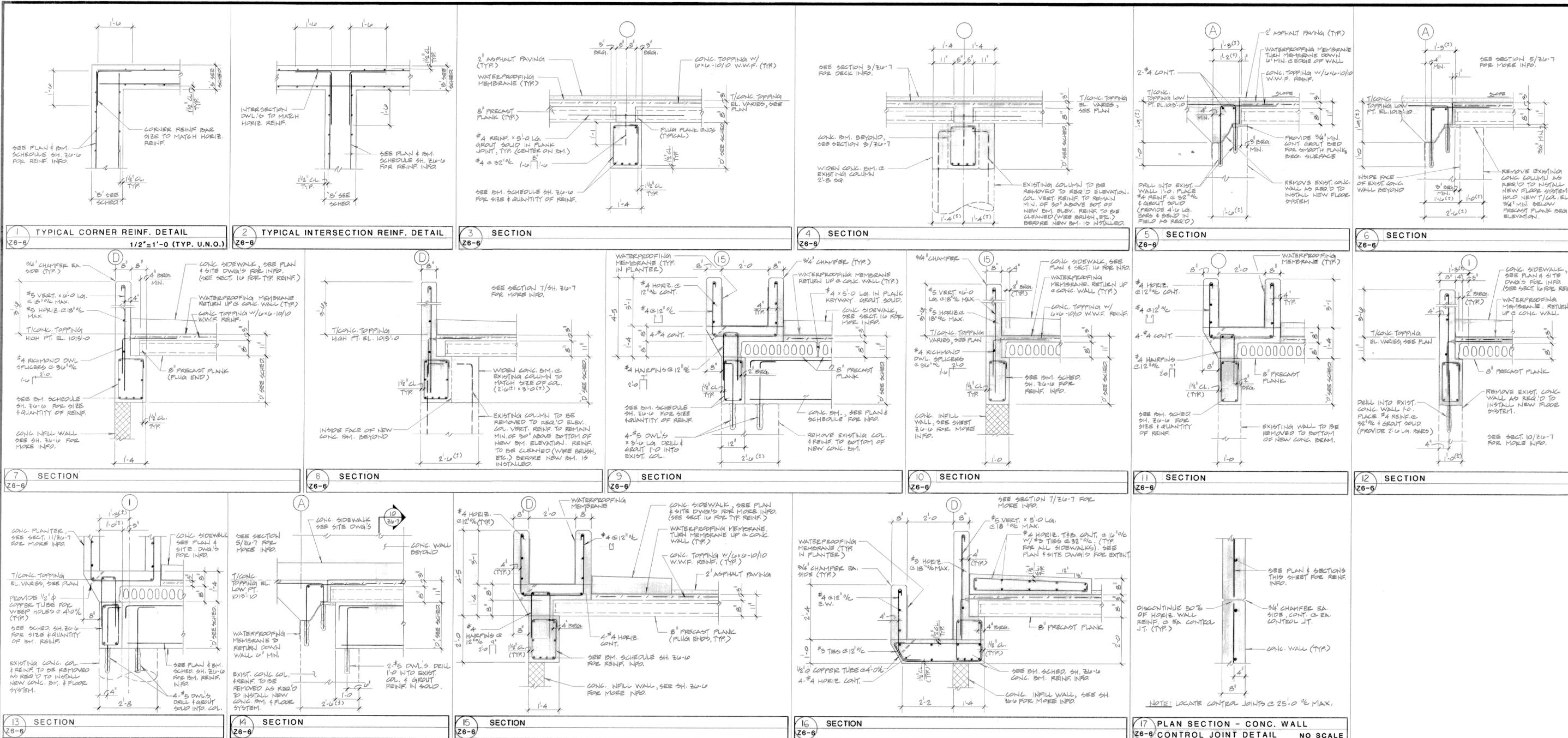
In charge of JK
 Designed by SE
 Drawn by PDG
 Checked by JK



GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20's COMPLEX
 PHASE III DEMOLITION & BUILDING 24 MODIFICATIONS
FRAMING PLAN - SECTIONS & DETAILS



File Number 101.52.28F
 Date APRIL 1988
Z6-6



NOT TO SCALE

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No.	Date	Revisions	Init

In charge of JFK

Designed by SE

Drawn by POA

Checked by JFK



GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
20'S COMPLEX
PHASE III DEMOLITION & BUILDING 24 MODIFICATIONS

SECTIONS & DETAILS

COMMONWEALTH OF MASSACHUSETTS
REGISTERED PROFESSIONAL ENGINEER
WILLIAM H. BUCK
No. 29821

File Number
101,52,29F

Date
APRIL 1988

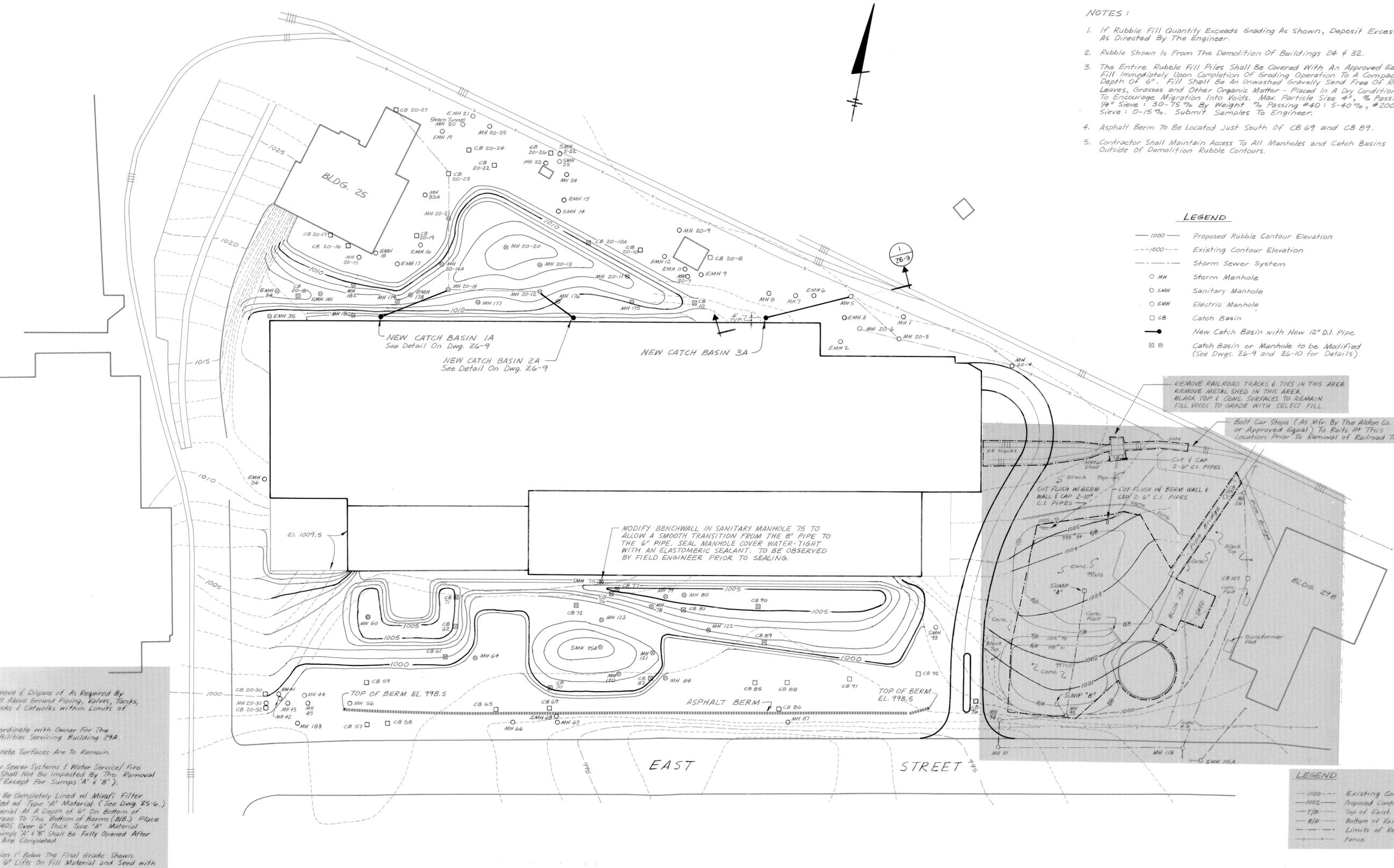
Z6-7

NOTES :

1. If Rubble Fill Quantity Exceeds Grading As Shown, Deposit Excess As Directed By The Engineer.
2. Rubble Shown Is From The Demolition Of Buildings 24 & 32.
3. The Entire Rubble Fill Piles Shall Be Covered With An Approved Earth Fill Immediately Upon Completion Of Grading Operation To A Compacted Depth Of 6". Fill Shall Be An Unwashed Gravelly Sand Free Of Roots, Leaves, Grasses And Other Organic Matter - Placed In A Dry Condition To Encourage Migration Into Voids. Max. Particle Size 4", % Passing 1/4" Sieve : 30-75 % By Weight % Passing #40 : 5-40 % , #200 Sieve : 0-15 % . Submit Samples To Engineer.
4. Asphalt Berm To Be Located Just South Of CB 69 and CB 89.
5. Contractor Shall Maintain Access To All Manholes and Catch Basins Outside Of Demolition Rubble Contours.

LEGEND

- 1000 — Proposed Rubble Contour Elevation
- - - 1000 - - - Existing Contour Elevation
- - - Storm Sewer System
- MH Storm Manhole
- SMH Sanitary Manhole
- EMH Electric Manhole
- CB Catch Basin
- New Catch Basin with New 12" D.I. Pipe
- ⊗ Catch Basin or Manhole to be Modified (See Dwg. Z6-9 and Z6-10 for Details)



NOTES :

1. Contractor Shall Remove & Dispose of As Required By General Electric, All Above Ground Piping, Valves, Tanks, Structures, Pipe Racks & Catwalks Within Limits of Removal.
2. Contractor Shall Coordinate with Owner For The Disconnection of Utilities Servicing Building 29A.
3. All Black Top & Concrete Surfaces Are To Remain.
4. The Storm & Sanitary Sewer Systems & Water Service/ Fire Protection System Shall Not Be Impacted By The Removal & Fill Operations (Except For Sumps 'A' & 'B').
5. Sumps 'A' & 'B' Shall Be Completely Lined w/ Mirafi Filter Fabric 1405 & Filled w/ Type 'A' Material. (See Dwg. Z5-6.) Place Type 'A' Material At A Depth of 6" On Bottom of Both Containment Areas To The Bottom of Berms (B/B.) Place Mirafi Filter Fabric 1405 Over 6" Thick Type 'A' Material. The Outlet Valves to Sumps 'A' & 'B' Shall Be Fully Opened After The Tank Removals Are Completed.
6. Place Fill To An Elevation 1' Below The Final Grade Shown. Place 1" of Topsoil In 6" Lifts On Fill Material and Seed with Native Grasses.

Denotes Revision

REMOVE RAILROAD TRACKS & TIES IN THIS AREA. REMOVE METAL SHED IN THIS AREA. BLACK TOP & CONC. SURFACES TO REMAIN. FILL VOIDS TO GRADE WITH SELECT FILL.

Both Car Stops (As Mtr. By The Aldon Co. or Approved Equal) To Rails At This Location Prior To Removal of Railroad Track.

MODIFY BENCHWALL IN SANITARY MANHOLE 75 TO ALLOW A SMOOTH TRANSITION FROM THE 8" PIPE TO THE 6" PIPE. SEAL MANHOLE COVER WATER-TIGHT WITH AN ELASTOMERIC SEALANT. TO BE OBSERVED BY FIELD ENGINEER PRIOR TO SEALING.

LEGEND

- - 1000 - - Existing Contour Elev.
- - 1002 - - Proposed Contour Elev.
- T/B - Top of Exist. Berm
- B/B - Bottom of Exist. Berm
- - - Limits of Removal
- - - Fence

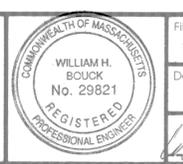


No	Date	Revisions	Init
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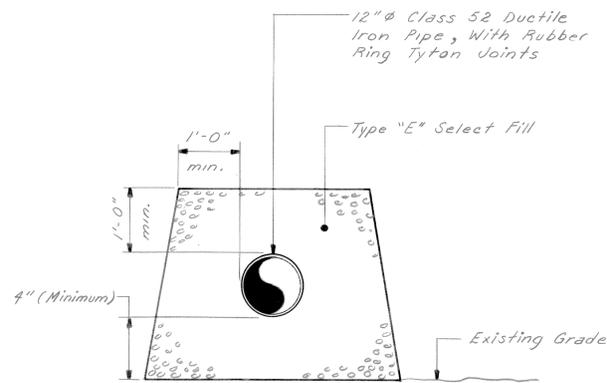
In charge of *Edward J. Galt*
 Designed by *T.W.S./F.J.K.*
 Drawn by *J.W.L.*
 Checked by *E.H.*



GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 20's COMPLEX
 PHASE III DEMOLITION & BUILDING 24 MODIFICATIONS
RUBBLE GRADING PLAN

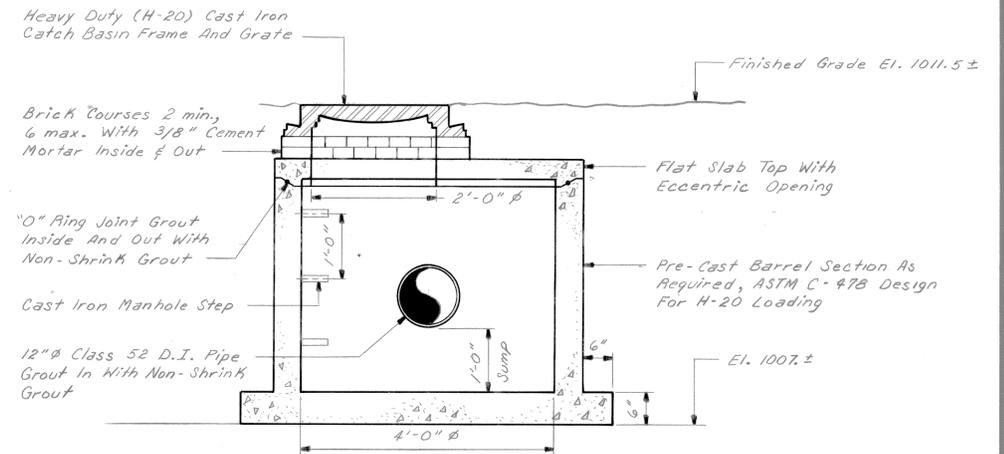


File Number
101.52.30F
Date
APRIL 1988
96-8



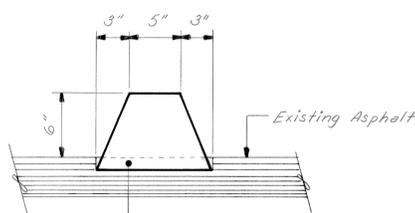
PIPE BEDDING DETAIL

SCALE: 3/4"=1'-0"



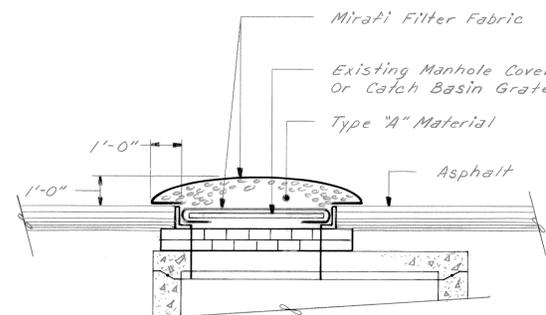
DETAIL AT CATCH BASINS- 1A AND 2A

SCALE: 3/4"=1'-0"



ASPHALTIC BERM DETAIL

SCALE: 1 1/2"=1'-0"

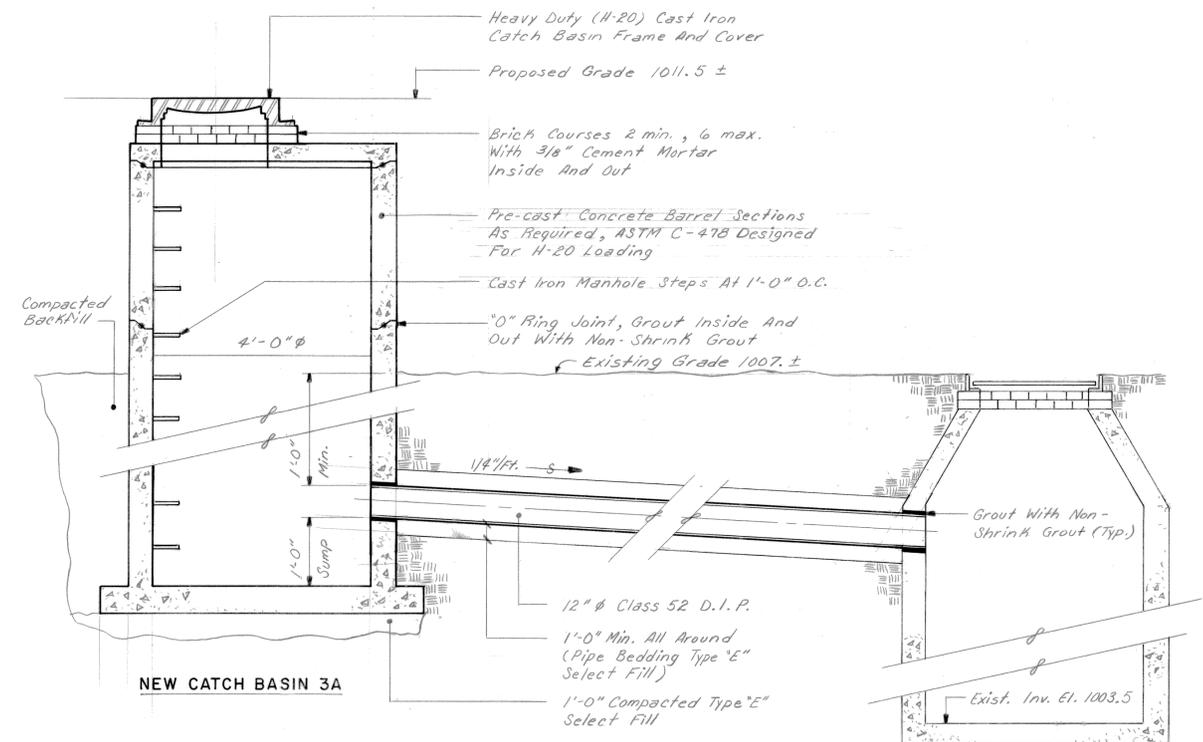


NOTE:

1. Modify The Following Storm Sewer Catch Basins And Manholes In This Manner: C.B. No. 20-18, 20-10A, 10, 61, 62, 70, 71, 72, 76, 77, 81, 82, 90 And Manhole No. 20-11, 20-13, 20-20, 20-21, 175, 176, 177, 179, 180, 182, 60, 64, 73, 79, 80, 84, 120 Thur 123 And 20-14.A

TYPICAL SECTION AT EXISTING STORM SEWER CATCH BASINS & MANHOLES

SCALE: 3/4"=1'-0"



SECTION 1

Z6-8

N.T.S.

EXISTING MANHOLE 5

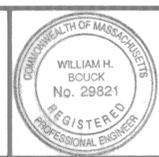
SCALE:	No.	Date	Revisions	Init	In charge of
2' = 1'-0"					<i>Edward J. Fred</i>
3/4" = 1'-0"					Designed by <i>TWS</i>
1/2" = 1'-0"					Drawn by <i>JLG</i>
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 2209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.					Checked by <i>HL</i>



BLASLAND & BOUCK ENGINEERS, P.C.
Syracuse, New York
White Plains, New York

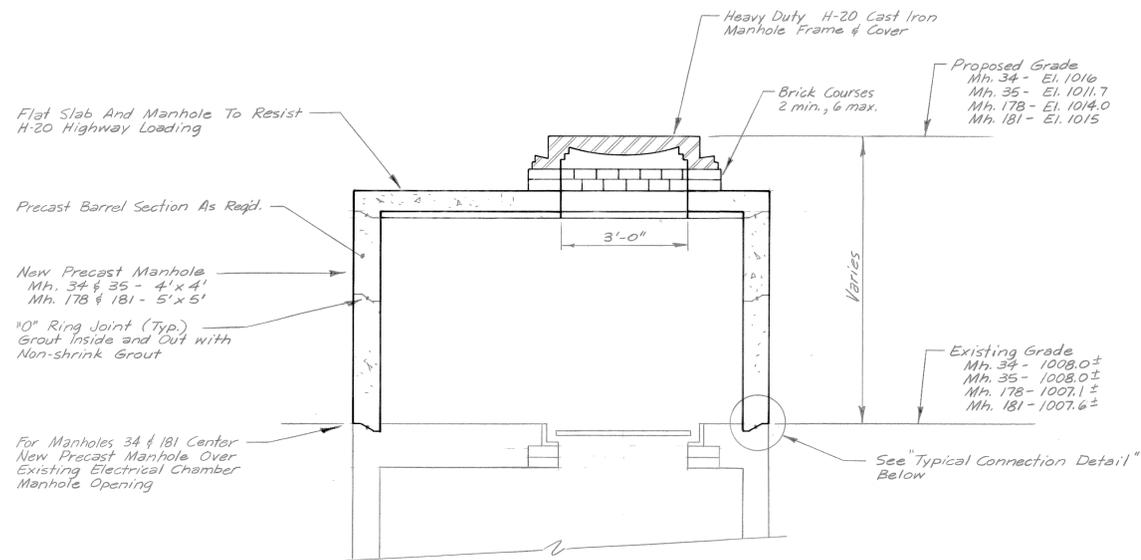


GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
20's COMPLEX
PHASE III DEMOLITION & BUILDING 24 MODIFICATIONS
STORM SEWER MODIFICATION DETAILS



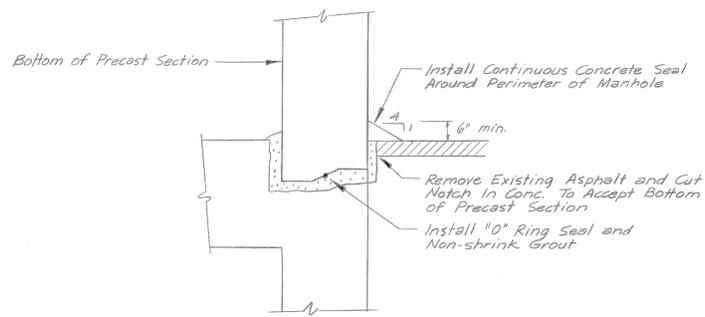
File Number 101.52.31F
Date APRIL 1988

Z6-9



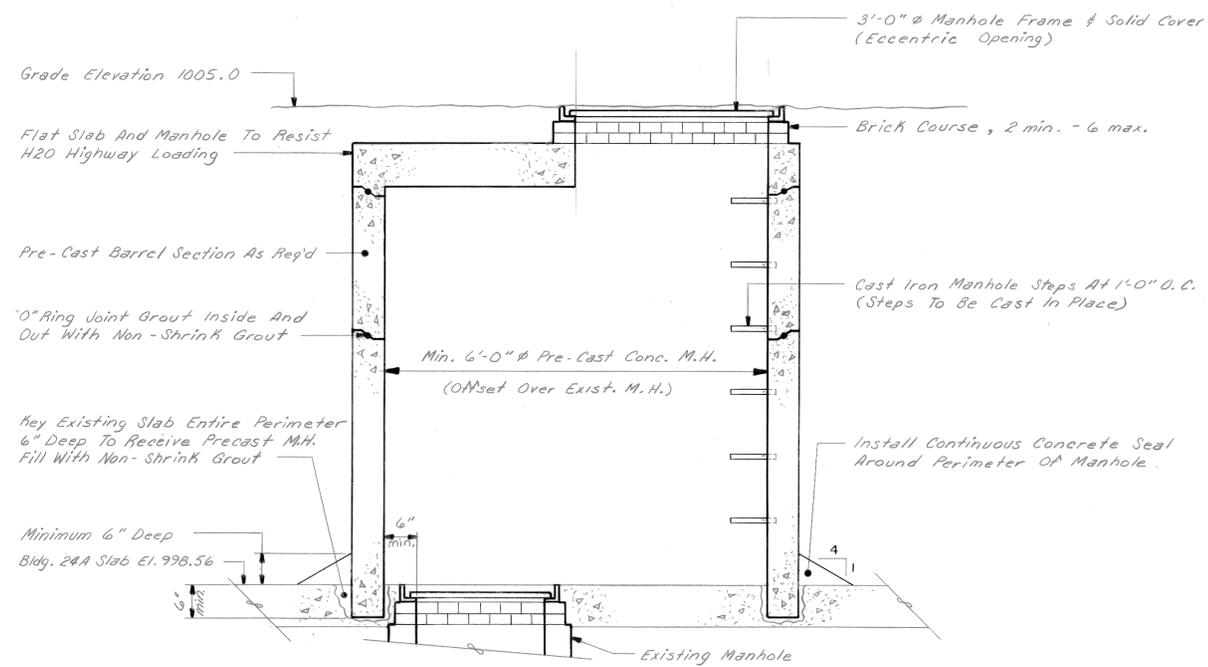
**TYPICAL ELECTRICAL CHAMBER
MANHOLE EXTENSION**

N. T. S.



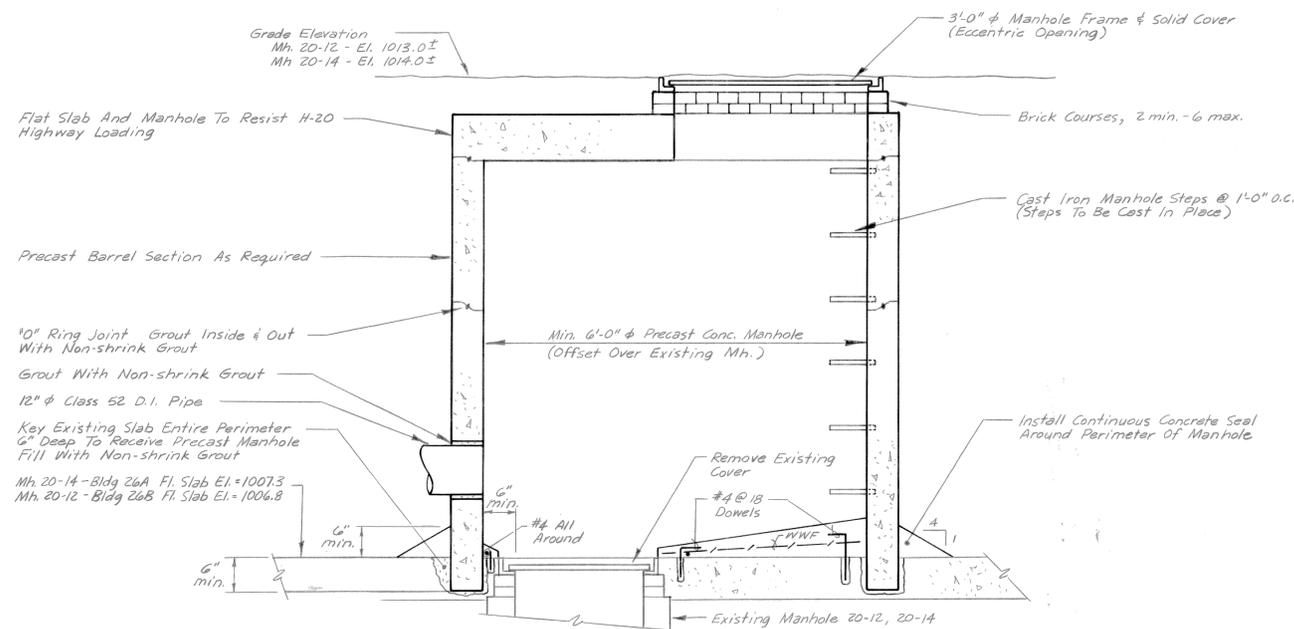
TYPICAL CONNECTION DETAIL

N. T. S.



RAISED SANITARY SEWER MANHOLE 75A DETAIL

N. T. S.



RAISED STORM SEWER MANHOLES 20-12 & 20-14

N. T. S.

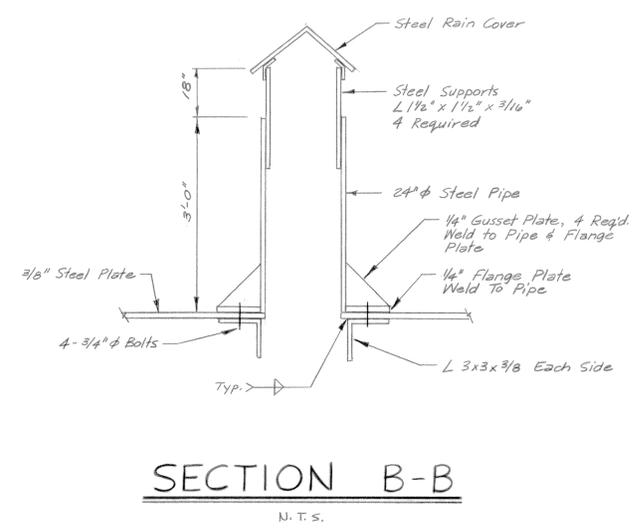
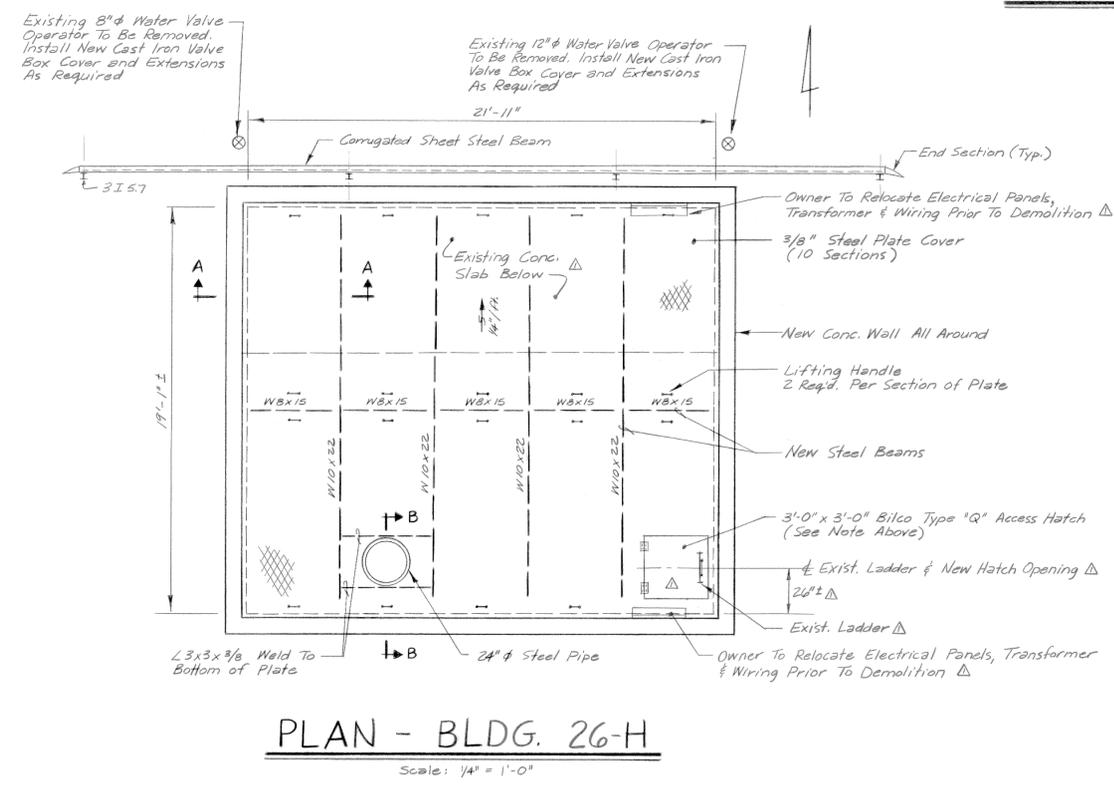
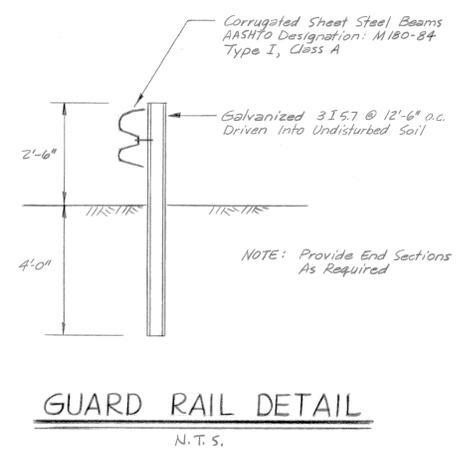
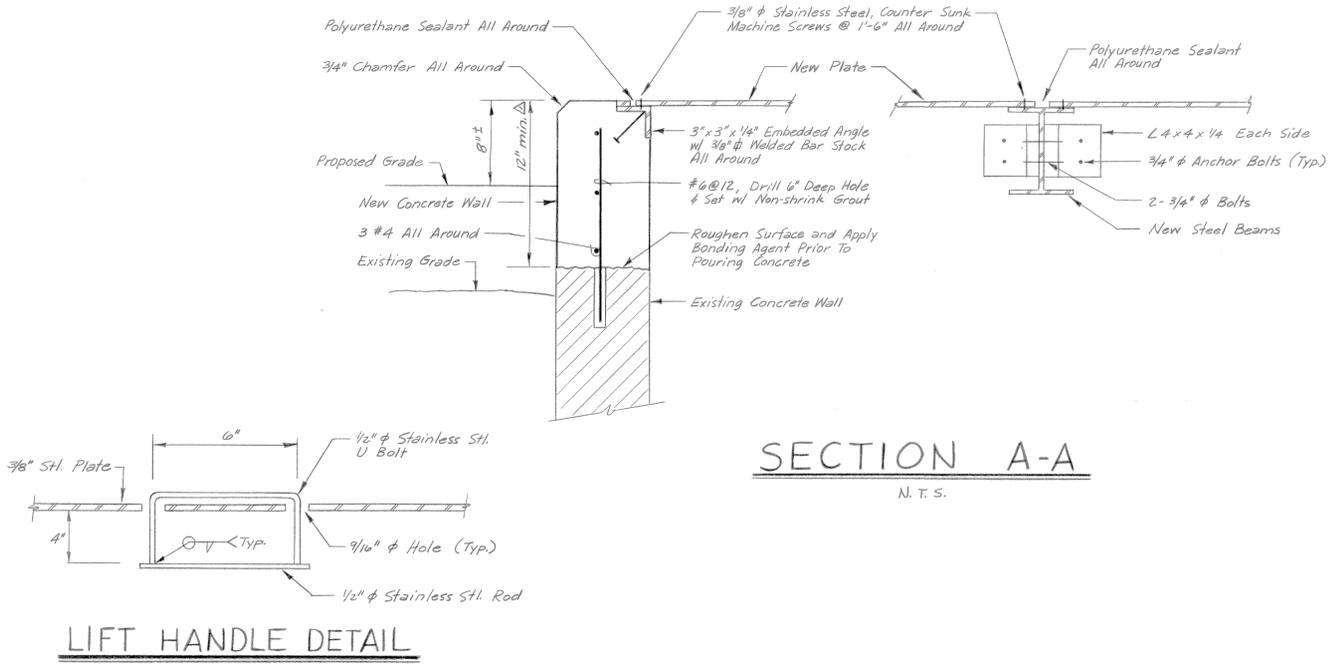
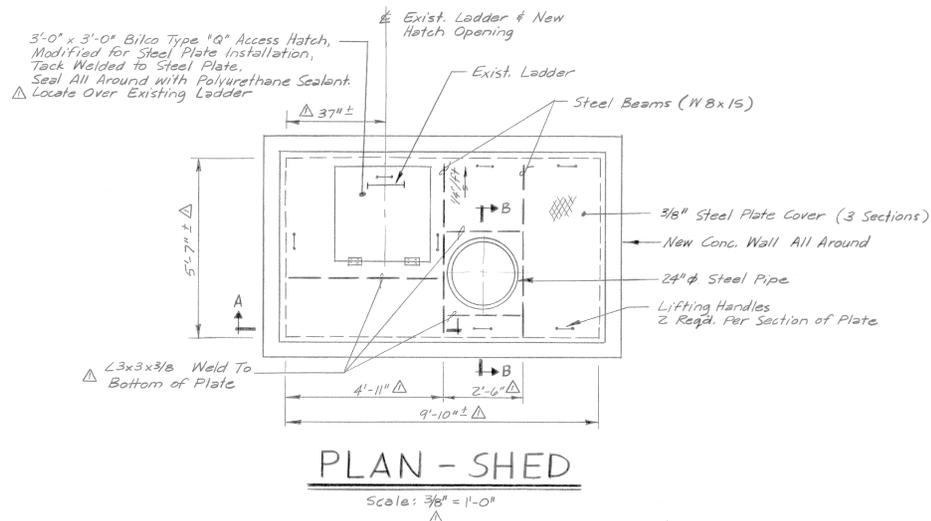
SCALE AS SHOWN	No.	Date	Revisions	Init.	In charge of <i>Edward J. Ford</i>
					Designed by <i>JWS</i>
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW					Drawn by <i>JWS, JAK</i>
					Checked by <i>ZOL</i>



**BLASLAND & BOUCK
ENGINEERS, P.C.**
Syracuse, New York
White Plains, New York



GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS			File Number 101.52.32F
20's COMPLEX PHASE III DEMOLITION & BUILDING 24 MODIFICATIONS			Date APRIL 1988
MANHOLE EXTENSION DETAILS			Z6-10



- NOTES:**
- Demolition
 - Remove All Above Ground Portions At The Existing Shed and Bldg. 26H.
 - Prior To Demolition of The Shed and Bldg. 26H, The Contractor Shall Install Temporary Plywood and Lumber Framing Over The Openings Leading To The Steam Tunnels To Prevent Debris, Tools, Etc., From Falling Into The Tunnels. The Temporary Plywood and Lumber Framing Shall Be Removed and Disposed of As Directed By The Owner.
 - The Contractor Shall Not Access The Steam Tunnels Without Obtaining Permission From The Owner.
 - Remove Existing Steel Grating and Steel Framing Located At Grade Level In Bldg. 26H. Do Not Remove Any Steel Framing Which Provides Support For The Piping Below.
 - All Debris Shall Be Deposited In Locations Determined By The Owner.
 - Materials
 - Bonding Agent - Sikadur Hi-Mod By The Sika Chemical Company.
 - Concrete - ACI 301, 28 Day Compressive Strength Of 4000 psi.
 - Steel Reinforcement - ASTM A615, Grade 60.
 - Non-Shrink Grout - Five Star By The U.S. Grant Corporation.
 - Steel Structural Shapes - ASTM A36.
 - Anchor Bolts - ASTM A36.
 - Bolts - ASTM A325.
 - Steel Plate - ASTM A36 With Slip Resistant Surface.
 - Polyurethane Sealant - Sika-Flex 1A.
 - Access Hatches - Bilco Type "Q" As Noted.
 - Painting - Thamac 3 Coat Epoxy System On All Steel Surfaces.
 - Valve Boxes - General Electric Standard As Supplied By Public Works Supply, Boston, Mass.
 - New Hatches Shall Be Located Over Existing Ladders. Δ Cut Existing Ladders As Required.
 - The Contractor Shall Be Responsible For Field Verification of All Dimensions.

No.	Date	Revisions	Init
1	11/2/88	General Revisions	

In Charge of: *ETK*

Designed by: *TWS*

Drawn by: *JML*

Checked by: *TWS*

BLASLAND & BOUCK ENGINEERS, P.C.
Syracuse, New York
White Plains, New York

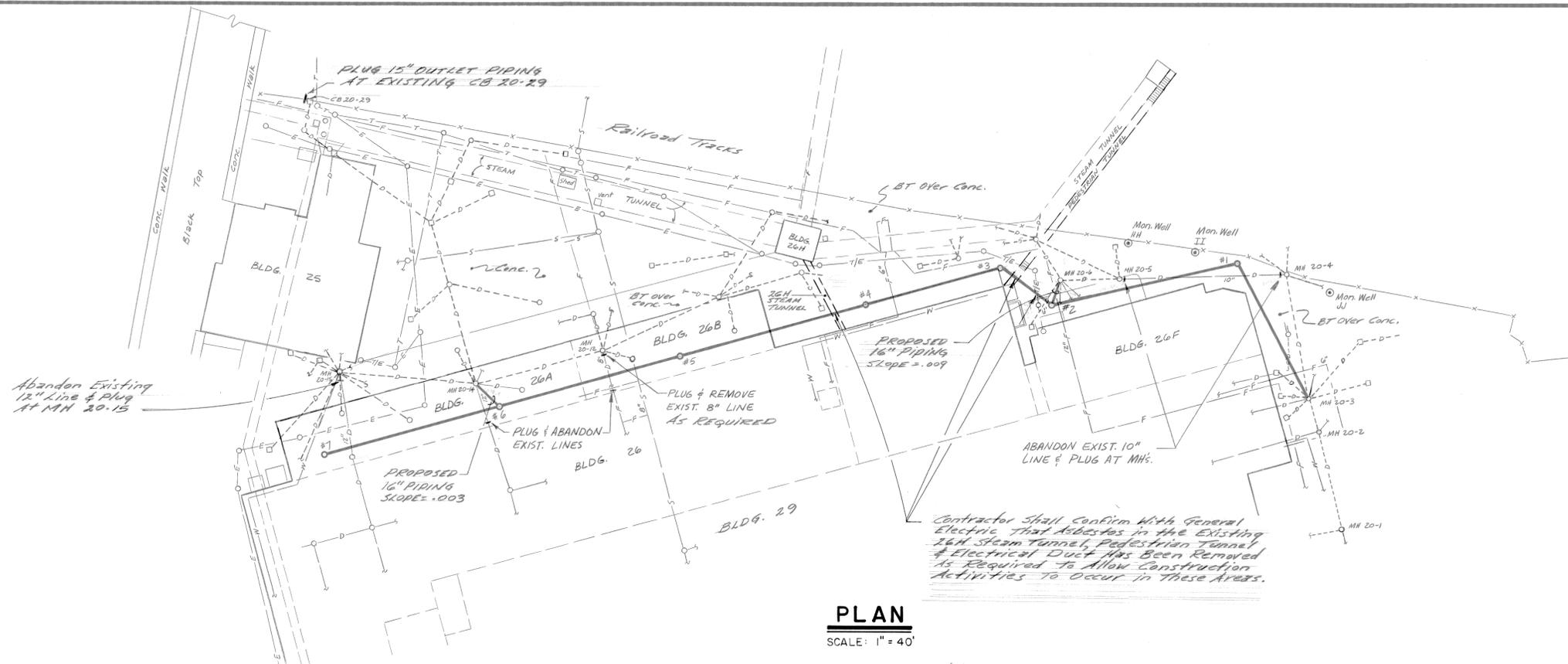
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
20'S COMPLEX
CONTRACT No. 1-20 - BLDG. 26-H & SHED REMOVAL

PLANS & SECTIONS

File Number: 101.52.33F
Date: SEPTEMBER 1988
Z7-1

WILLIAM B. BOUCK
No. 29521
REGISTERED PROFESSIONAL ENGINEER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.



PLAN
SCALE: 1" = 40'

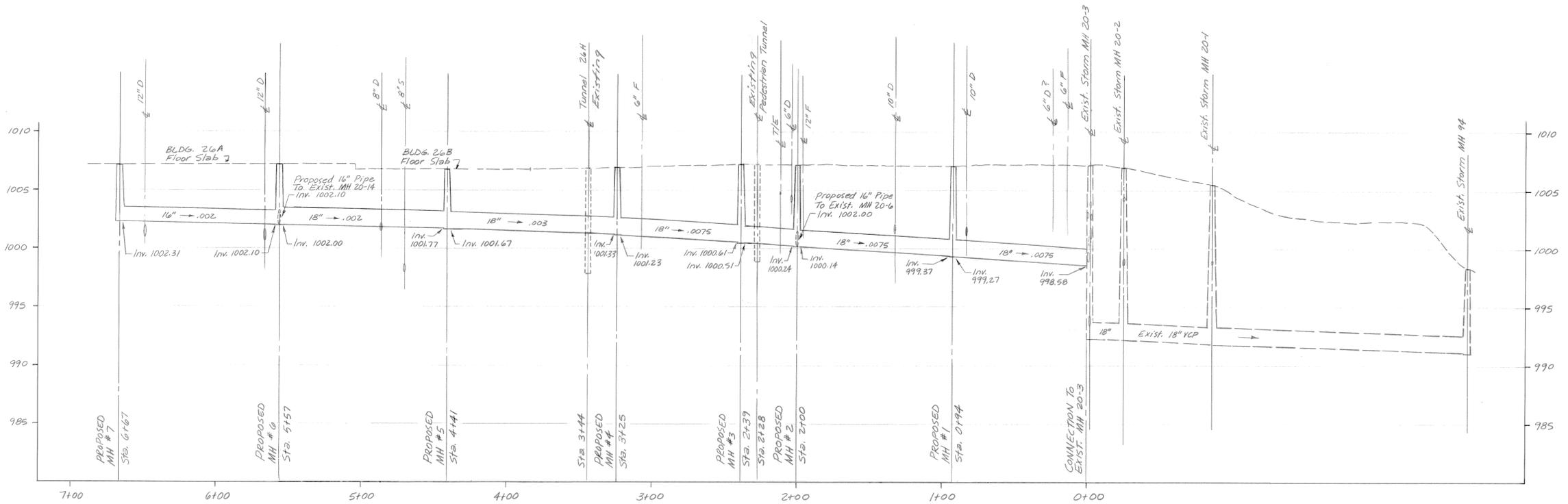
Note:
Plan Was Taken From Contract Dwg. No. 1
File No. 101.51.015, "Existing Site Plan"
Dated Sept. 1987

LEGEND

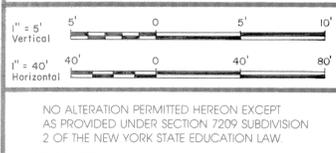
- x-x- Chain Link Fence
- Catch Basin
- Manhole
- - - Existing Storm Sewer To Remain Active
- - - Sanitary Sewer
- - - Underground Electric
- - - Underground Telephone
- - - Fire Protection Water
- - - Potable Water
- Proposed Storm Sewer
- ⊙ Existing Monitoring Well

- NOTES:**
- Location of underground utilities and existing structures are approximate only. Contractor shall field-verify existing utility locations and elevations prior to commencing construction activities. The Contractor must also verify the current status of all underground utilities (active or inactive) with the Owner prior to commencing construction activities.
 - Contractor is responsible for the protection of existing structures and utilities while working and any resulting damage shall be repaired at the Contractor's expense.
 - Contractor shall notify and coordinate all subsurface activities with General Electric at least 72 hours in advance of subsurface work.
 - Plugs and seals installed at manholes and abandoned piping shall be made watertight with a mechanical plumbers plug, common brick and non-shrink grout. (see detail-sheet 2).
 - The Contractor shall be responsible for photographing each and every pipeline seal installation prior to backfilling. The photographs shall be provided to the Owner and include notation regarding the size and location.
 - The Contractor shall be responsible for providing electric service and other utilities required to perform the project work.
 - The Contractor shall be responsible for the loading and handling of all spoil materials (soil, concrete, etc.) either into designated containers or near the 20's Complex Demolition Area (to be determined by the Owner). Groundwater shall be handled as directed by the Owner.
 - All excavated areas shall be restored to their original elevations after backfilling and compaction, (except as noted) and are to receive an application of Bituminous paving (see Detail-Sheet 2).
 - The Contractor shall follow all applicable building codes and safety standards including those specified in OSHA's Safety and Health Regulations for Construction.
 - All surface water entering the existing or new storm sewer systems north of Building #26 during construction activities must be transferred into existing manhole 20-3. Contractor is responsible for providing pumps, discharge hose, etc.
 - Existing area ground water information as presented in Geraghty & Miller, Inc. "East Street Area 2 Semi-Annual Monitoring Reports" from Fall 1984 and Fall 1985 (six readings from October 1982 through April 1985) is as follows:

Monitoring Well	Low	High
H H	964.63	972.18
I I	964.86	972.00
J J	964.46	971.45



PROFILE
SCALE: 1" = 40' Horiz.
1" = 5' Vert.



No.	Date	Revisions	Init.

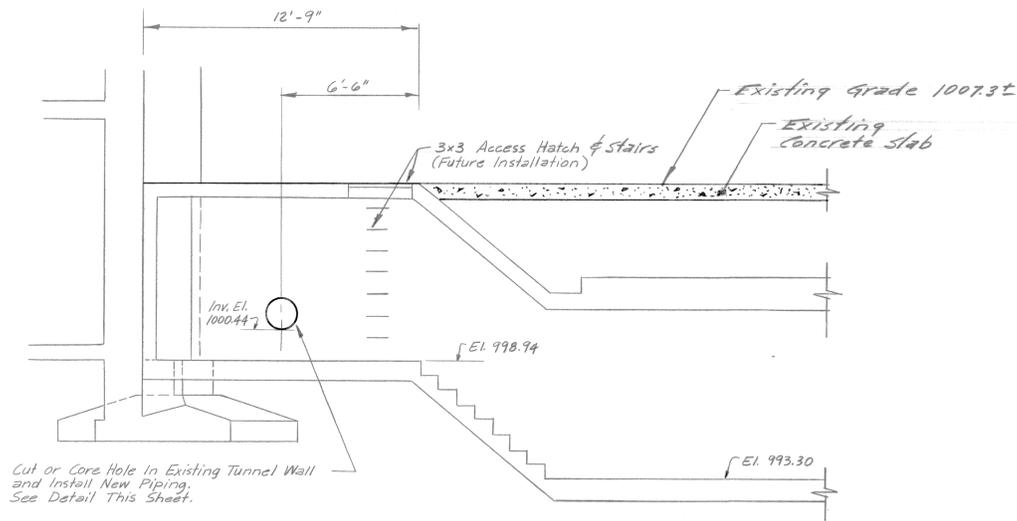
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Designed by: **NTB**
Drawn by: **JAR/JPC**
Checked by: **WTB**



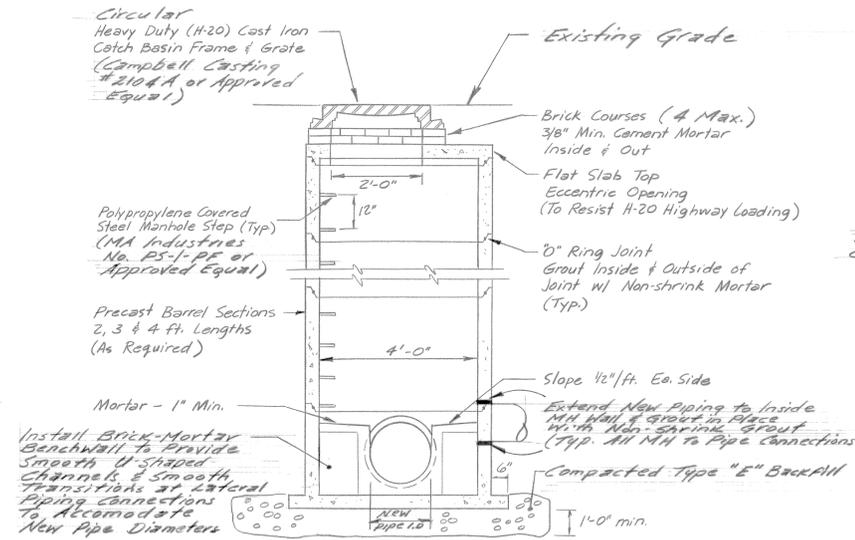
GENERAL ELECTRIC COMPANY • PITTSFIELD, MASSACHUSETTS
20'S COMPLEX
STORM SEWER MODIFICATIONS
PLAN & PROFILE



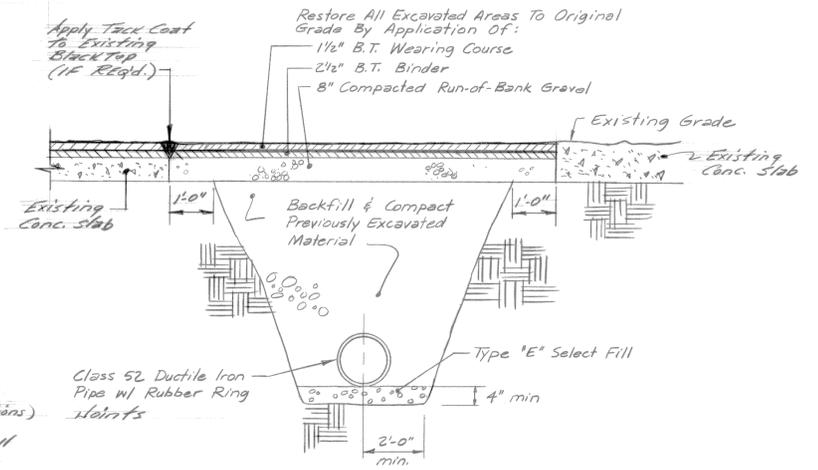
File Number: 101.52.34F
Date: 11/7/88
Z8-1



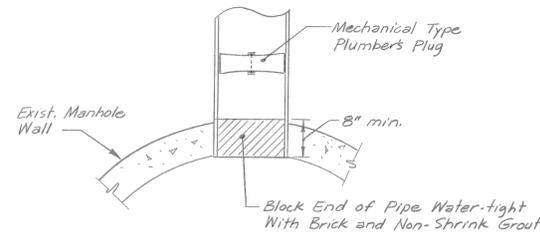
PEDESTRIAN TUNNEL SECTION
Scale: 1/4" = 1'-0"



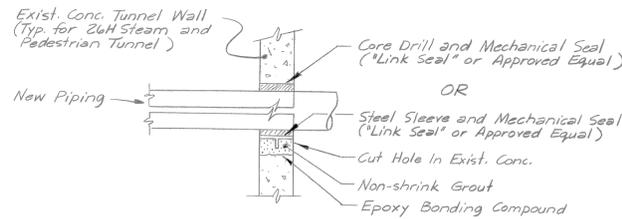
PRECAST MANHOLE DETAIL
N.T.S.



PIPE TRENCH DETAIL
N.T.S.



PIPELINE SEAL DETAIL
N.T.S.



TUNNEL WALL CONNECTION DETAIL
N.T.S.

SPECIFICATIONS

A. Piping

- All new storm sewer piping shall be Class 52 ductile iron pipe with cement mortar lining and shall meet the requirements of AWWA specifications C151, C111, and C104.

B. Precast Concrete Manholes

- Precast concrete manhole sections and slab shall be reinforced and constructed in accordance with ASTM C478, with a minimum wall thickness of five inches and with joints having an "O"-ring seal. Manhole sections shall be water proofed with bituminous material on the exterior.
- Base sections shall have reinforced flat bottoms (6" minimum thickness) protruding 5 inches beyond the outside face of the riser section. Top sections shall be adequate to withstand H-20 wheel loadings.
- Manhole steps shall be Polypropylene-covered steel construction having a minimum tread width of 12 inches. Steps shall be field - installed into the manhole sections over the largest benchwall in a vertical alignment spaced twelve inches on center (M.A. Industries, Inc. No. PS-1-PF manhole step or approved equal).
- Manhole frames and covers shall be constructed in accordance with ASTM A48, Class 30 and be adequate to withstand H-20 wheel loadings.

C. Masonry, Bricks, and Grout Materials

- Masonry cement for mortar shall meet the requirements of ASTM C91, Type II and shall be mixed with a graded quality sand conforming to ASTM C144. Mix shall be one part masonry cement to three parts sand using the minimum amount of clean water required for workability.
- Brick shall meet the requirements of ASTM C62, Grade SW of a hard-burned manufacturer.
- Non-shrink grout shall be non-metallic and non-gas forming.

D. Subgrade Materials

- Type "E" select fill shall be run-off-bank gravel or other acceptable granular material free from organic matter with a gradation by weight of 100 percent passing a 1 1/2 inch square opening, 30 to 65 percent passing a 1/4 inch square opening, and not more than 10 percent passing a No. 200 mesh sieve.
- On-site materials may be used for backfill with prior permission of the Owner. Backfill material shall be free of cinders, ashes, refuse, vegetable or organic material, boulders, large rocks or stones, frozen soil or other materials considered unsuitable for backfilling by the Owner or Engineer.
- Materials shall be placed and compacted in 12-inch maximum horizontal layers to a minimum 90% of the maximum laboratory dry density (as determined by the Modified Proctor Moisture-Density Test, ASTM D-1577, or by AASHTO test procedure T-180). The Contractor is responsible for all laboratory and field testing of the materials used.

No.	Date	Revisions	Init

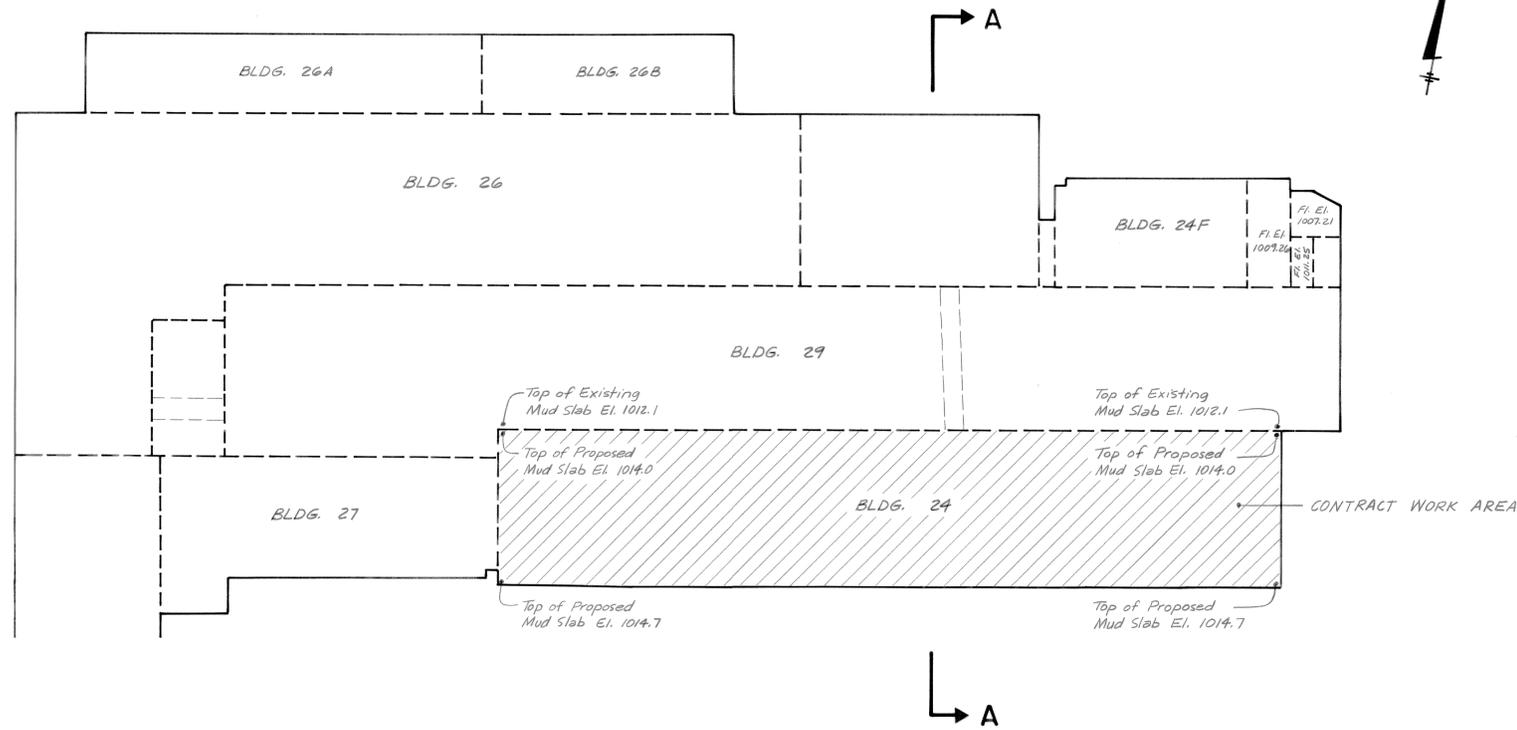
In charge of: ERL
 Designed by: WTB
 Drawn by: HLR
 Checked by: WTB

BLASLAND & BOUCK ENGINEERS, P.C.
Syracuse, New York
White Plains, New York

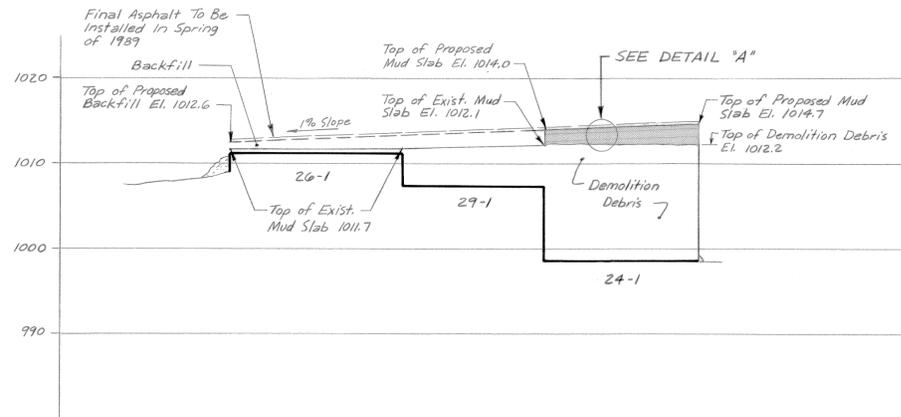
GENERAL ELECTRIC COMPANY • PITTSFIELD, MASSACHUSETTS
 20's COMPLEX
 STORM SEWER MODIFICATIONS
DETAILS

File Number: **101.52.35F**
 Date: **NOVEMBER 7, 1988**
 WILLIAM H. BOUCK
 No. 29821
 REGISTERED PROFESSIONAL ENGINEER
Z8-2

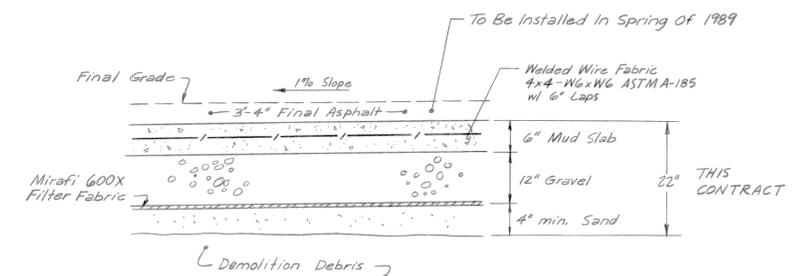
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW



PLAN
Scale: 1" = 40'



CROSS-SECTION A-A
Scale: 1" = 40' Horizontal
1" = 10' Vertical



DETAIL "A"
N.T.S.

No.	Date	Revisions	Init

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

In charge of _____
Designed by _____
Drawn by *JMM*
Checked by _____

BLASLAND & BOUCK ENGINEERS, P.C.
Syracuse, New York
White Plains, New York

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
20's COMPLEX
BLDG. 24 CONCRETE SLAB MODIFICATION
PLAN & DETAILS

File Number 101.52.36F	Z9-1
Date DEC. 5, 1988	

Attachment B

Project Photographs



LEGEND:

----- Approximate Removal
Action Area Boundary

NOT-TO-SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FINAL COMPLETION REPORT FOR 20s COMPLEX

**MAY 2001 AERIAL PHOTOGRAPH
(LOOKING NORTHEAST)**

BBL[®]
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

FIGURE
B-1



LEGEND:

----- Approximate Removal
Action Area Boundary

NOT-TO-SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FINAL COMPLETION REPORT FOR 20s COMPLEX

MAY 2001 AERIAL PHOTOGRAPH -
VAULT AREA (LOOKING NORTH)

BBL[®]
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engineers, scientists, economists

FIGURE
B-2



LEGEND:

----- Approximate Removal
Action Area Boundary

NOT-TO-SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FINAL COMPLETION REPORT FOR 20s COMPLEX

**MAY 2001 AERIAL PHOTOGRAPH
(LOOKING SOUTHWEST)**

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engineers, scientists, economists

FIGURE
B-3



GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FINAL COMPLETION REPORT FOR 20s COMPLEX

GENERAL SITE CONDITIONS -
FEBRUARY 15, 2005 (LOOKING EAST)

BBL[®]
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FIGURE
B-4



GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FINAL COMPLETION REPORT FOR 20s COMPLEX

GENERAL SITE CONDITIONS -
FEBRUARY 15, 2005 (LOOKING SOUTHEAST)

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FIGURE
B-5



GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FINAL COMPLETION REPORT FOR 20s COMPLEX

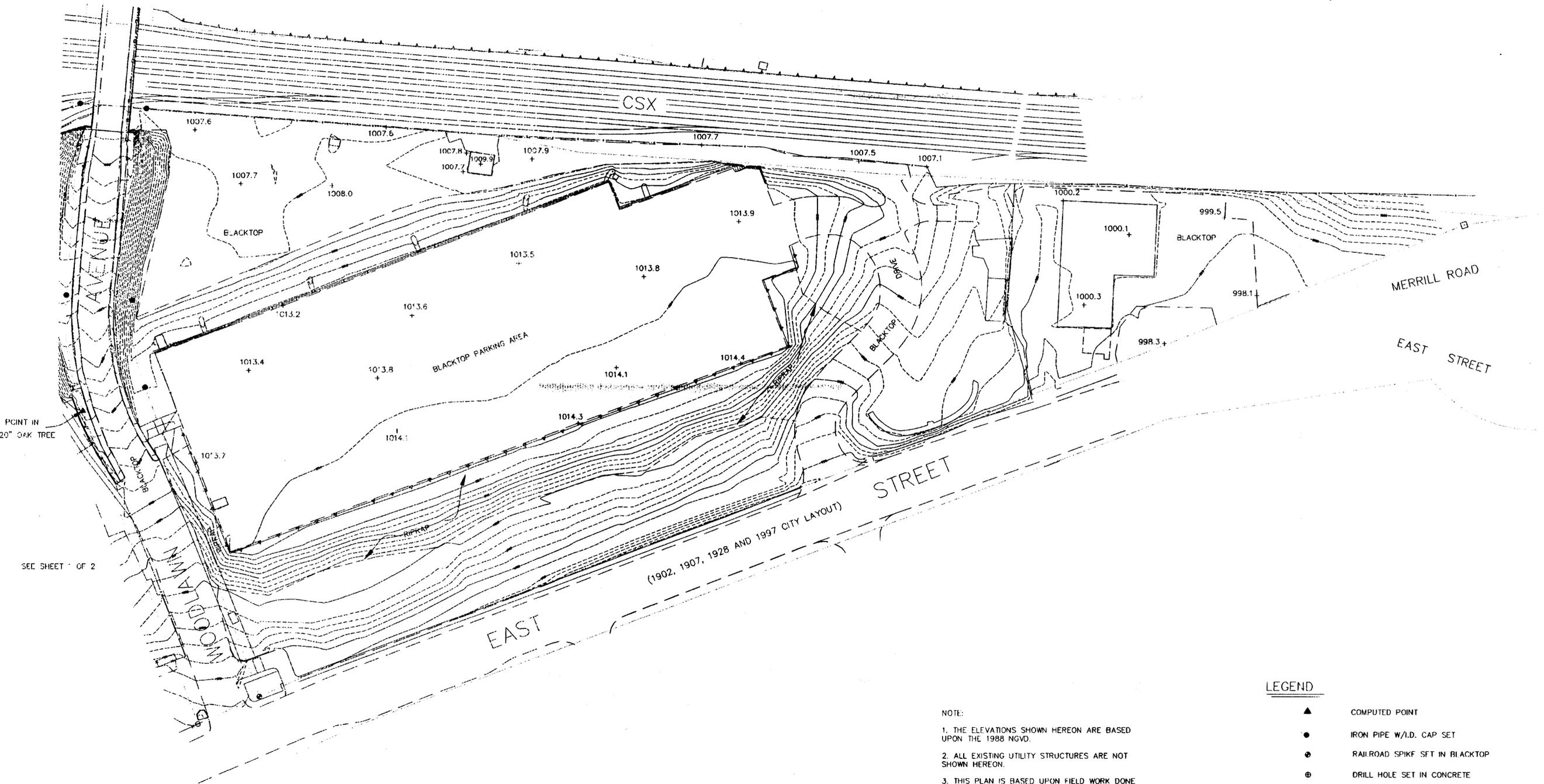
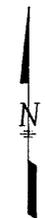
**GENERAL SITE CONDITIONS -
FEBRUARY 15, 2005
(LOOKING SOUTHEAST)**

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engineers, scientists, economists

FIGURE
B-6

Attachment C

Topographic Survey Map and Plan of Restricted Area Map



POINT IN
20" OAK TREE

SEE SHEET OF 2

NOTE:

1. THE ELEVATIONS SHOWN HEREON ARE BASED UPON THE 1988 NGVD.
2. ALL EXISTING UTILITY STRUCTURES ARE NOT SHOWN HEREON.
3. THIS PLAN IS BASED UPON FIELD WORK DONE BETWEEN AUGUST 23-SEPTEMBER 1, 2004.
4. FOR COMPLETE BOUNDARY LINE, PERIMETER INFORMATION SEE PLAN ENTITLED "APPROVAL NOT REQUIRED DIVISION OF LAND - SURVEY PLAN" DATED 8-10-04, REVISED 10-5-04, AND PREPARED BY HILL ENGINEERS, ARCHITECTS, PLANNERS INC. AND TO BE RECORDED IN THE BERKSHIRE MIDDLE DISTRICT REGISTRY OF DEEDS.

LEGEND

- ▲ COMPUTED POINT
- IRON PIPE W/I.D. CAP SET
- ⊙ RAILROAD SPIKE SET IN BLACKTOP
- ⊕ DRILL HOLE SET IN CONCRETE
- CONCRETE BOUND FOUND
- EDGE OF CONCRETE
- - - EDGE OF BLACKTOP
- A — A — A — RETAINING WALL
- * * * * * METAL FENCE
- v — v — v — GUARDRAIL

REV.	DESCRIPTION	DATE
A	REVISED CONOURS-SHEET ONE ONLY <td>10-29-04 </td>	10-29-04

GENERAL ELECTRIC COMPANY
100 WOODLAWN AVE.
PITTSFIELD, MASS

PROJECT DESCRIPTION: 20'S COMPLEX

DRAWING TITLE: TOPOGRAPHIC SURVEY

DRAWN BY: SJT
DATE DRAWN: 9/07/04
SCALE: 1"=50'
APP'D BY:

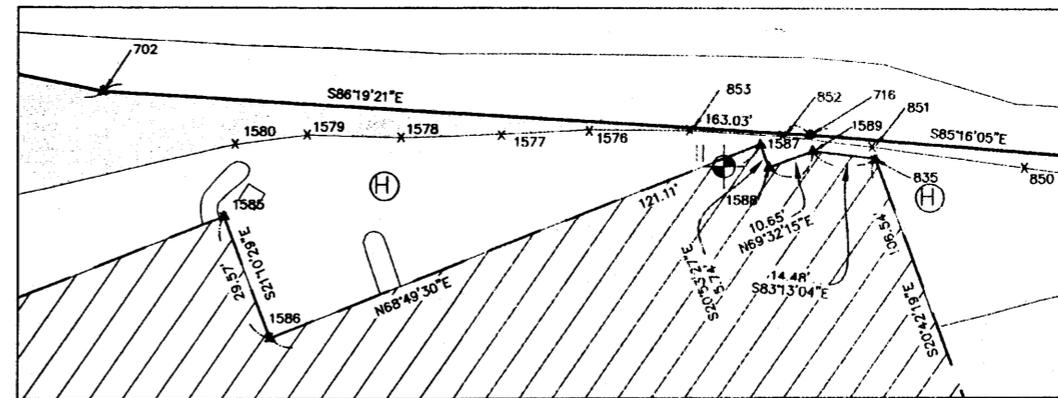
CAD CODE:
GE 1085-1/DWG/GE-1085-7.DWG

DRAWING NUMBER: GE 1085--8
REV: A

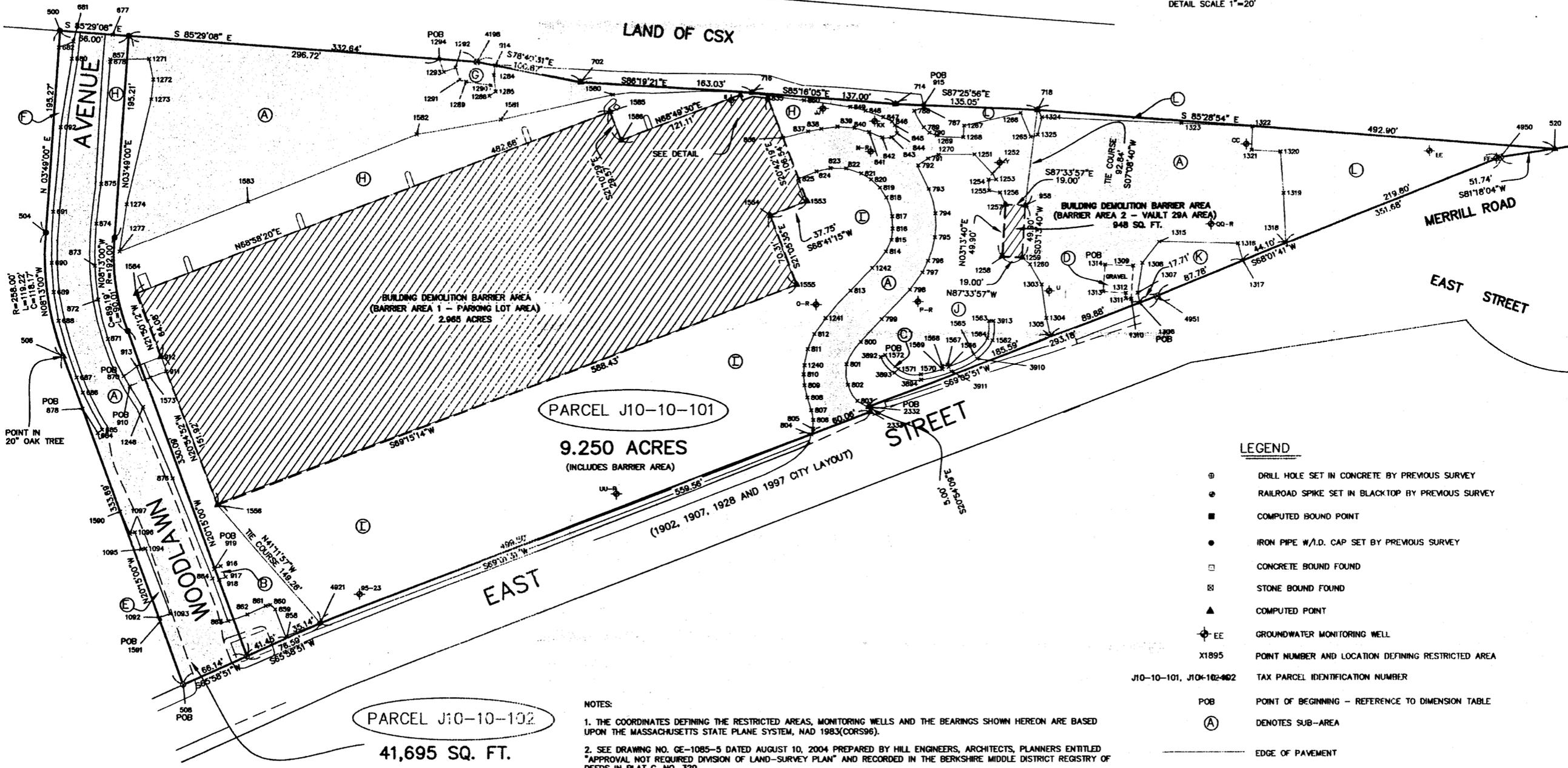
I CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMITY WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS. I CERTIFY THAT THIS PLAN SHOWS THE PROPERTY LINES THAT ARE THE LINES OF EXISTING OWNERSHIPS, AND THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED, AND THAT NO NEW LINES FOR THE DIVISION OF EXISTING OWNERSHIPS OR FOR NEW WAYS ARE SHOWN.

PROFESSIONAL LAND SURVEYOR DATE

MASSACHUSETTS STATE PLANE, NAD 83 (CORS96)



DETAIL SCALE 1"=20'



LEGEND

- ⊙ DRILL HOLE SET IN CONCRETE BY PREVIOUS SURVEY
- ⊙ RAILROAD SPIKE SET IN BLACKTOP BY PREVIOUS SURVEY
- COMPUTED BOUND POINT
- IRON PIPE W/1.D. CAP SET BY PREVIOUS SURVEY
- CONCRETE BOUND FOUND
- ⊠ STONE BOUND FOUND
- ▲ COMPUTED POINT
- ⊕ EE GROUNDWATER MONITORING WELL
- X1895 POINT NUMBER AND LOCATION DEFINING RESTRICTED AREA
- J10-10-101, J10-102-402 TAX PARCEL IDENTIFICATION NUMBER
- POB POINT OF BEGINNING - REFERENCE TO DIMENSION TABLE
- (A) DENOTES SUB-AREA
- EDGE OF PAVEMENT
- OPEN SOIL/VEGETATED AREA--GRASS, DIRT, GRAVEL
- OTHER GROUND--COVERING FEATURE AREA--CONCRETE, PAVEMENT
- ▨ BUILDING DEMOLITION BARRIER AREA

NOTES:

1. THE COORDINATES DEFINING THE RESTRICTED AREAS, MONITORING WELLS AND THE BEARINGS SHOWN HEREON ARE BASED UPON THE MASSACHUSETTS STATE PLANE SYSTEM, NAD 1983(CORS96).
2. SEE DRAWING NO. GE-1085-5 DATED AUGUST 10, 2004 PREPARED BY HILL ENGINEERS, ARCHITECTS, PLANNERS ENTITLED "APPROVAL NOT REQUIRED DIVISION OF LAND--SURVEY PLAN" AND RECORDED IN THE BERKSHIRE MIDDLE DISTRICT REGISTRY OF DEEDS IN PLAT G, NO. 320.
3. FOR TOPOGRAPHICAL INFORMATION SEE DRAWING NO. GE-1085-8 DATED SEPT. 7, 2004 PREPARED BY HILL ENGINEERS, ARCHITECTS, PLANNERS ENTITLED "20'S COMPLEX--TOPOGRAPHIC SURVEY".

SEE SHEET 2 OF 2 FOR DIMENSIONS OF SUB-AREAS A-L. THE RESTRICTED AREA REFERRED TO AS THE "OTHER GROUND-COVERING FEATURE AREA" SHOWN HEREON INCLUDES SUB-AREAS A, B AND C, BUT EXCLUDES SUB-AREA D.

Hill
engineers
architects
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50 Depot Street
Dorchester, MA 01226
(413) 684-0925

41 Park Street
Adams, MA 01220
(413) 743-0013
www.hillengineers.com

REV.	DESCRIPTION	DATE

PROJECT DESCRIPTION	GENERAL ELECTRIC COMPANY 159 PLASTICS AVENUE PITTSFIELD, MASS
	DRAWING TITLE PLAN OF RESTRICTED AREA
PROJECT DESCRIPTION	20'S COMPLEX

DRAWN BY	MAC
DATE DRAWN	1/28/05
SCALE	1"=50'
AP'D BY	
CAD CODE:	GE-1085-1/DWG/GE-1085-2.DWG
DRAWING NUMBER	REV.
GE-1085-2	

DIMENSIONS FOR SUB-AREA A - 3.077 ACRES

POINT NO.	BEARING	DISTANCE	POINT NO.												
508	N 20°15'00" W	64.11'	1591	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859
1591	N 04°28'42" W	3.70'	1092	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859	S 21°50'53" E	20.60'	858
1092	N 70°18'52" W	10.60'	1093	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859	S 65°56'51" W	107.56'	508
1093	N 21°06'17" W	66.96'	1094	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1094	S 02°26'15" W	4.01'	1095	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1095	N 20°37'06" W	17.12'	1096	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1096	S 73°02'16" W	4.91'	1097	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1097	N 24°23'24" W	22.91'	1590	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1590	N 20°13'13" W	105.04'	878	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
878	S 32°23'04" W	27.63'	684	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
684	N 53°30'07" E	5.05'	685	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
685	N 27°27'28" W	40.42'	686	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
686	N 22°30'57" W	15.57'	687	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
687	N 19°18'55" E	13.14'	1293	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
688	N 10°06'41" W	27.29'	689	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
689	N 03°54'28" W	27.67'	690	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
690	N 01°31'17" E	48.91'	891	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
891	N 04°54'48" E	81.82'	682	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
682	N 08°56'56" E	87.28'	680	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
680	N 04°56'49" E	16.70'	681	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
681	S 67°57'40" W	14.84'	682	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
682	N 03°58'44" E	15.99'	500	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
500	S 85°29'08" E	30.89'	877	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
877	S 85°29'08" E	312.03'	1294	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1294	S 19°18'55" E	13.14'	1293	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1293	N 68°07'02" E	11.83'	1292	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1292	S 19°53'24" E	12.44'	1291	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1291	S 07°53'14" E	6.05'	1289	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1289	S 81°38'37" E	24.04'	1290	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1290	S 08°24'14" W	10.50'	1286	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1286	N 56°36'44" E	7.49'	1285	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1285	N 06°49'49" W	15.91'	1284	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1284	N 09°13'24" E	9.49'	914	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
914	S 78°40'31" E	82.73'	702	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
702	S 06°18'21" E	163.03'	716	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
716	S 07°16'05" E	137.00'	714	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
714	S 07°25'05" E	28.48'	915	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
915	S 12°38'51" E	2.18'	787	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
787	S 69°18'00" W	9.84'	788	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
788	S 29°37'00" E	18.20'	789	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
789	S 45°45'49" E	7.33'	790	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
790	S 68°11'48" E	7.35'	1269	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1269	S 85°45'13" E	25.51'	1268	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1268	N 04°13'13" E	11.25'	1267	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1267	N 77°16'00" E	55.11'	1266	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1266	S 22°49'01" E	24.93'	1265	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1265	N 73°28'02" E	7.06'	1325	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1325	N 13°28'17" E	17.38'	1324	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1324	S 87°19'24" E	132.83'	1323	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1323	S 87°07'00" E	67.50'	1322	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1322	S 02°18'30" W	22.73'	1321	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1321	S 86°33'44" E	27.59'	1320	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1320	S 04°21'35" E	39.95'	1319	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1319	S 02°40'10" E	48.18'	1318	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			
1318	S 86°01'41" W	44.10'	1317	S 13°17'11" W	10.91'	1578	N 71°35'27" W	14.94'	822	N 49°56'23" E	8.32'	859			

COORDINATES OF POINTS DEFINING THE RESTRICTED AREAS:

POINT	NORTHING	EASTING									
500	2994524.51	188101.18	819	2994670.96	188881.82	1094	2994626.23	188184.00	1320	2994604.72	188222.53
504	2994629.77	188068.18	820	2994678.77	188873.40	1095	2994678.05	188181.14	1321	2994635.38	188234.89
508	2994712.82	188105.07	821	2994684.56	188884.24	1096	2994644.63	188184.11	1322	2994635.38	188235.01
508	2994390.75	188220.58	822	2994695.38	188893.57	1097	2994644.63	188184.11	1323	2994632.48	188185.50
520	2994906.82	188252.80	823	2994695.38	188893.57	1240	2994725.09	188184.11	1324	2994636.69	188183.81
877	2994502.62	188151.71	824	2994686.50	188821.56	1241	2994747.36	188184.11	1325	2994621.78	188183.76
678	2994964.43	188149.44	825	2994676.46	188804.61	1242	2994754.07	188184.11	1583	2994857.90	188812.76
680	2994957.63	188112.48	826	2994657.51	188775.39	1246	2994743.15	188181.43	1584	2994844.18	188817.59
681	2995014.27	188113.92	827	2994625.31	188741.55	1251	2994732.73	188181.49	1585	2994778.59	188820.89
682	2995006.66	188100.07	828	2994625.31	188741.55	1252	2994694.93	188184.49	1586	2994670.15	188825.62
684	2994639.29	188138.44	829	2994627.80	188726.03	1253	2994678.05	188181.49	1592	2994725.74	188826.16
685	2994642.29	188142.51	830	2994628.78	188714.30	1254	2994678.05	188181.49	1593	2994744.31	188826.73
686	2994678.15	188123.87	840	2994628.78	188714.30	1255	2994698.16	188184.49	1594	2994727.78	188828.21
687	2994682.28	188117.87	841	2994628.78	188714.30	1256	2994698.16	188184.49	1595	2994712.52	188827.12
688	2994746.28	188100.38	842	2994628.78	188714.30	1257	2994698.16	188184.49	1596	2994700.80	188824.43
689	2994773.15	188095.59	843	2994628.78	188714.30	1258	2994698.16	188184.49	1597	2994702.81	188826.46
690	2994800.75	188093.71	844	2994628.78	188714.30	1259	2994698.16	188184.49	1598	2994701.74	188824.10
691	2994848.65	188096.01	845	2994628.78	188714.30	1260	2994698.16	188184.49	1599	2994698.75	188824.41
692	2994931.17	188102.01									