Engineers and Scientists

February 7, 2014 File No.: 21.0056642.10 Task 20



535 Washington Street 11th Floor Buffalo, New York 14203 716-685-2300 FAX 716-685-3629 http://www.gza.com Jaspal Walia, P.E, New York State Dept. of Environmental Conservation (NYSDEC) Division of Environmental Remediation – Region 9 270 Michigan Avenue Buffalo, New York 14203-2999

 Re: Imported Soil Source for 129 Holden Street Site (C915261)
Sampling Plan for University of Buffalo School of Medicine and Biomedical Sciences Building Site
Corners of Main Street, High Street & Washington Street
Buffalo, New York 14094

Dear Jaspal:

On behalf of Highland Park Village, LLC (HPV), GZA GeoEnvironmental of New York (GZA) has prepared this sampling work plan to assess a soil source for reuse at the 129 Holden Street Brownfield Cleanup Program (BCP) Site. The project location is shown on the Locus Plan presented as Figure 1.

HPV's construction manager, LPCiminelli, is involved with the redevelopment of approximately 2.44-acres located on the block located between Main Street, Washington Street, and south of High Street as shown on Figure 2. This site is designated for construction of the proposed University of Buffalo Medicine & Biomedical Sciences Building.

The site consists of Sections 100.790, Block 5, Lots 1, 2, 3, 4 and 11 and is bound by High Street to the north, Main Street to the west, Washington Street to the east and the Roosevelt Apartments to the south. The addresses for these properties are 951 Main Street, 963 Main Street and 960 Washington Street.

Surface grade elevations slope downward approximately 15 feet from the north (Elevation 665) to the south end (Elevation 650) of the Site. The excavation work to prepare the Site for building construction, will require excavation activities to extend to a depth of approximately 30 feet below ground surface (bgs) to Elevation 625. Based on the previous geotechnical investigations^{1,2} completed at the Site, it is our understanding that the

¹ "SUNY Buffalo School of Medicine and Biological Sciences, Phase I – Subsurface Investigation, Buffalo, NY" dated November 2, 2012. Prepared for HOK Group, by Mueser Rutledge Consulting Engineers.

² "Final Geotechnical Report and Foundation Recommendations, SUNY Buffalo School of Medicine and Biological Sciences, Phase I – Subsurface Investigation, Buffalo, NY" dated July 24, 2013. Prepared for HOK Group, by Mueser Rutledge Consulting Engineers.



subsurface soil consists of fill material overlying native soil, which consists of three (3) main soil types: fine sand, clay and silt, and glacial till (a mix of sand and gravel deposits). Cross sections generated from the geotechnical reports have been included in Attachment 1. Based on a construction excavation elevation depth of 625 feet, we have drawn a line in red, on the cross-sections in Attachment 1, identifying the approximate bottom of excavation for site redevelopment. We estimate that approximately 80, 000 cubic yards (cy) of soil present at the Site will need removal to facilitate the proposed building construction. Of that 80,000 cy, about 30,000 is urban fill material and 50,000 cy is native sand and/or silty clay.

HPV proposes to assess the 50,000 cy of native soil below the fill material at the Site for reuse at 129 Holden Street. This work plan will discuss how this native soil will be assessed for reuse.

The urban fill material located above the native soil will be characterized, removed from the Site, and taken to an off-site location in accordance with local, state and federal laws.

PURPOSE

The purpose of this work plan is to define the soil characteristics of the native soils present at the Site for potential reuse at 129 Holden Street, a BCP Site to be redeveloped for restricted residential use.

The redevelopment of the UB Biomedical Site will require excavations ranging from approximately elevation 665 to 625 in the northern portion of the Site and from elevation 650 to 625 in the southern portion. We estimate that approximately 80,000 cubic yards (cy) of soil present at the Site that will need to be removed in order to facilitate the construction of the proposed building. Of that 80,000 cy, about 30,000 is urban fill material and 50,000 cy is native sand and/or silty clay. HPV would like to assess the approximate 50,000 cy of native soil below the fill material at the Site for reuse at 129 Holden Street, similar to their work done at the 1001 Main Street Site³.

SCOPE OF WORK

Test pit excavations will be completed to assess the subsurface conditions. We are proposing to complete 18 test pit excavations in a grid pattern as shown on Figure 2. GZA will provide oversight of the test pits to collect soil samples, make observations (i.e., visual

³ "Revised 1001 Main Street Shallow Soil Reuse Sampling Report, Sampling Plan for Kaleida Health Medical Office, Building Site (C915260), Imported Soil Source for 129 Holden Street Site (C915261), Buffalo, NY 14094" dated February 5, 2013. Prepared for NYSDEC by GZA GeoEnvironmental of New York.

[&]quot;Revised 1001 Main Street Deep Soil Reuse Sampling Report, Sampling Plan for Kaleida Health Medical Office, Building Site (C915260), Imported Soil Source for 129 Holden Street Site (C915261), Buffalo, NY 14094" dated March 13, 2013. Prepared for NYSDEC by GZA GeoEnvironmental of New York.



and olfactory) of the soil conditions and field screen subsurface soils. The general contractor, LPCiminelli Construction (LPC), will provide the equipment and labor to complete the test pit excavations.

We propose to complete 18 test pits in a grid pattern across the portion of the Site to be excavated to Elevation 625 to assess the soil conditions. Soil from the test pits will be field screened with an organic vapor meter (OVM), field observation/soil classification will be made of the conditions observed, and soil samples collected for laboratory analysis.

Because the soil to be characterized for reuse is native soils at the Site, GZA would like to propose an alternative sampling program be used to characterize the soil varying from the DER-10 Table 5.4(e)10 sampling frequencies for the 50,000 cubic yards to be assessed. According to the Table 5.4(e)10, 105 discrete volatile organic compounds (VOCs) samples and 51 composite samples for semi-volatile organic compounds (SVOCs), inorganics, polychlorinated biphenyls (PCBs) and pesticides are required to be collected.

We are proposing the following sampling program because the soil to be assessed is native soil. We will collect the 105 discrete volatile organic compounds (VOCs) samples and 51 composite samples from the 18 test pits and hold them at the lab. We will initially assign 35% of the discrete VOCs (36 samples or 2 per test pit) and 35% of the composite samples (18 samples or 1 per test pit) for analysis. The samples chosen for initial testing would be based on visual, olfactory and field screening results. Based on the results of the initial analysis, we will consider the following.

- If there are no detections exceeding the Part 375 Restricted Residential Soil Cleanup Objectives (RRSCOs), an additional 20% of samples will be assigned for analysis, in consultation with NYSDEC. We would also request that the parameters list be reduced based on the detections. For example, if no PCBs or pesticides are detected above the Unrestricted SCOs, they would be removed from the parameter requirements for the additional samples to be analyzed. This rationale would be applied to all parameters or a reduction to the lists such as for SVOCs (poly aromatic hydrocarbons (PAHs)) or metals (RCRA 8), if the results warrant the reduction. If, after the second round of samples released, there are no exceedances of the RRSCOs, no additional analysis will be completed.
- If, upon assessment of the initial 35% sample assignment, there are exceedances above RRSCO but below Commercial SCOs (CSCOs), an additional 30% will be assigned for analysis, in consultation with NYSDEC. These samples will include the parameters which were detected above the RRSCO and focus on the sample areas where the RRSCO exceedances occurred. We would also request that the parameters list be reduced based on the detections. For example, if no PCBs or pesticides are detected above the Unrestricted SCOs, they would be removed from the parameter requirements. This rationale would be applied to all parameters or a reduction to the lists such as for SVOCs (poly aromatic hydrocarbons (PAHs)) or metals (RCRA 8), if the results warrant the reduction. If, after the second round of samples assigned, there are no additional exceedances of the RRSCOs, and the



limits of the soil exceeding the CSCOs have been determined, no additional analysis will be completed.

• If, upon assessment of the initial 35% sample assignment, there are exceedances above the CSCOs or Industrial SCOs (ISCOs), HVP will assess the locations and magnitude of the exceedances, and determine if the soil reuse is feasible. If HVP decides to delineate the extent of exceedances and determine areas that are acceptable for reuse, additional samples to be assigned would be done in consultation with NYSDEC.

The discrete samples will be collected as a grab sample from a specific depth. The composite samples will be from 5 foot intervals (i.e., 10 to 15 feet bgs, 15 to 20 feet bgs, 20 to 25 feet bgs, etc.) starting below the urban fill soil layer. The initial two (2) discrete VOC samples to be collected and analyzed from each test pit, as part of the first sample assignment, will be from locations exhibiting the highest OVM field screening results or olfactory evidence. The composite samples from the 5 foot intervals will generally utilize the depth intervals shown on Figure 3 to achieve spacial distribution in the subsurface. However, if during a test pit excavation, suspect material/staining/odors are noted, the sample will be biased to this area.

The data to be generated from this work will be tabulated and provided to NYSDEC prior to additional sample assignments, in consultation with NYSDEC. Summary tables generated summarizing the data will include the laboratory reporting limits for non-detect compounds.

LABORATORY ANALYSIS

The samples analyzed as part of the soil reuse assessment will be completed by a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory. The following methodologies will be used.

| Target Compound List VOCs | USEPA Method 8260C |
|---|---------------------------|
| Semi-Volatile Organic Compounds Base-Neutrals | USEPA Method 8270C |
| Target Analyte List Metals | USEPA Methods 6010C/7471B |
| Polychlorinated Biphenyls | USEPA Method 8082A |
| Pesticides | USEPA Method 8081B |
| Polychlorinated Biphenyls | USEPA Method 8082A |



REPORTING

The report will contain a summary of the work completed, observations, analytical data, figures, photographic documentation and conclusions relating to reuse of the Site soil at the 129 Holden Street Site.

We respectfully request an expedited review of this work plan, as Site development and remedial activities at the UB Medical Building property will begin soon and we would like to conduct our sampling in advance of construction activities. If you need additional information or would like to discuss the project, please contact Chris Boron (GZA Project Manager) at (716) 844-7046.

Respectfully,

GZA GeoEnvironmental of New York

Christopher Boron Senior Project Manager

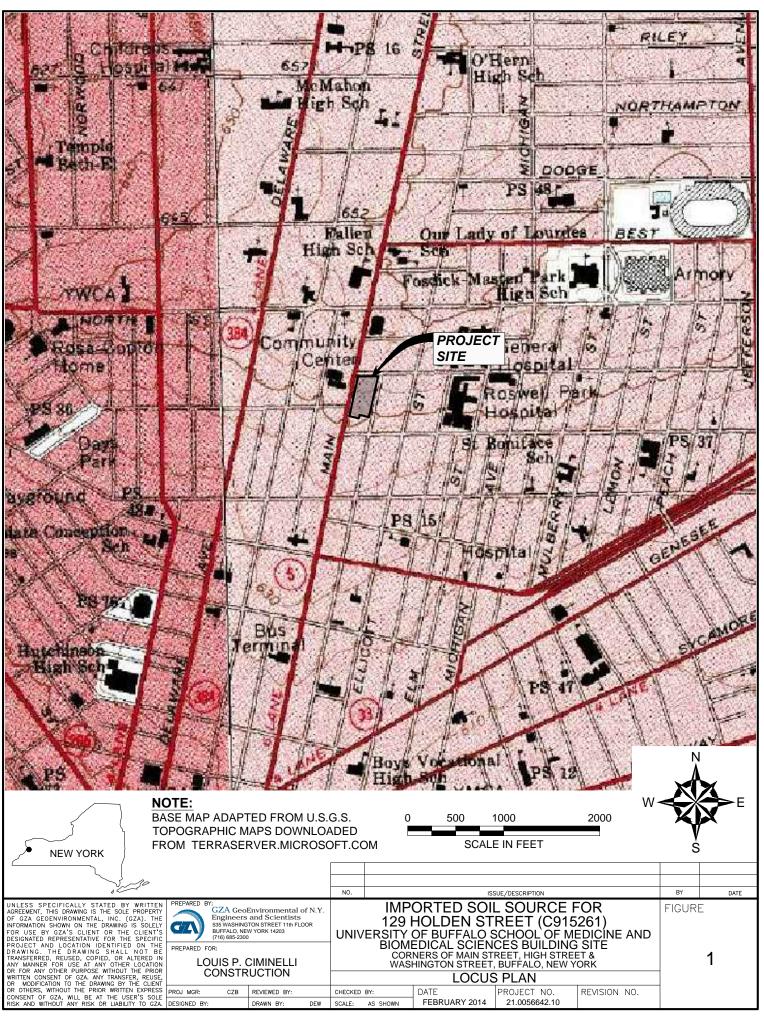
Bart A. Klettke, P. E. Principal

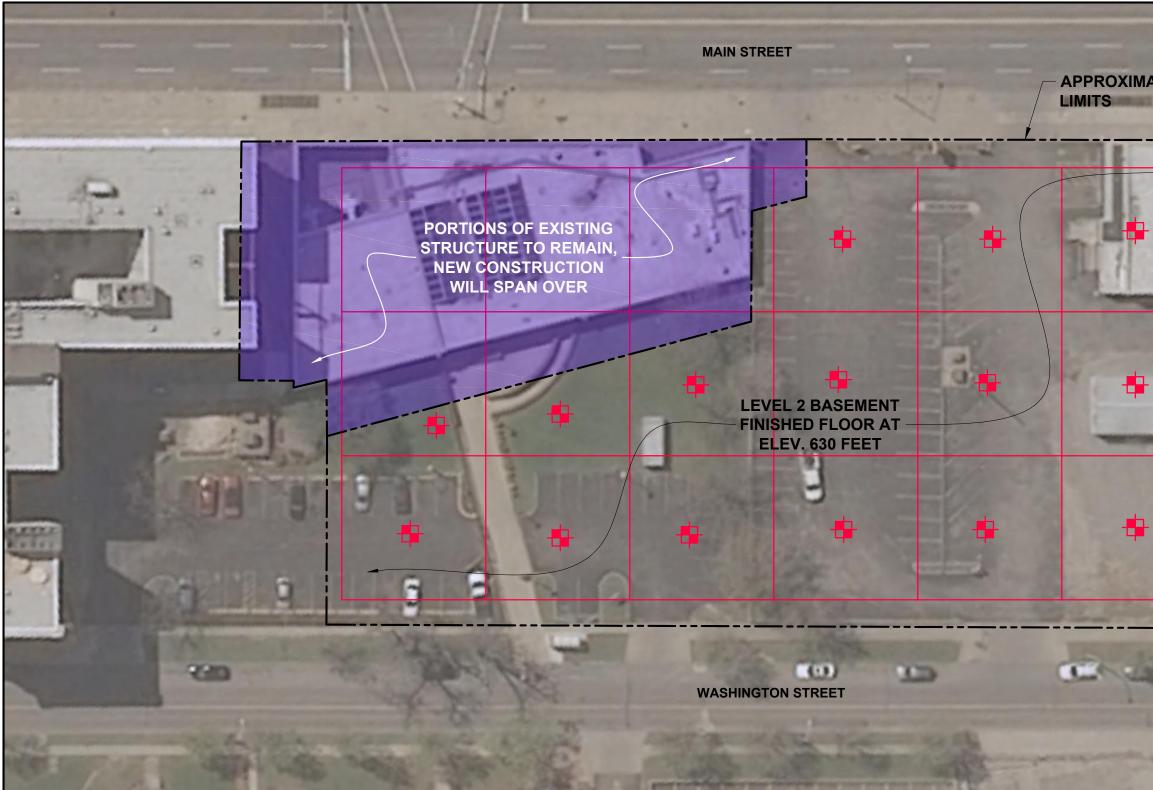
Attachments

Figure 1 – Locus Plan Figure 2 – Site Plan and Proposed Test Pit Locations Figure 3 – Proposed Sampling Interval Plan Attachment 1 – Geotechnical Report Cross-Sections

cc:

John Ciminelli (Strickler Development, electronic copy only) Vince Kirsch (LPCiminelli, electronic copy only) Danielle Zientek (LPCiminelli, electronic copy only)





LEGEND:

APPROXIMATE LOCATION OF PROPOSED TEST PIT

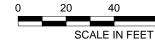
GRID SHOWN IS A 60-FOOT INTERVAL

NOTES:

1. BASE MAP ADAPTED FROM A 2011 AERIAL PHOTO AND PROPERTY LINE DOWNLOADED FROM http://www.nysgis.state.ny.us/gateway/mg/index.html AND FIELD OBSERVATIONS.

2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

3. STRUCTURES SHOWN WITHIN THE LEVEL 2 BASEMENT AREA ARE NO LONGER PRESENT.



UNLESS SPECIFICALLY STATED BY THIS DRAWING IS THE SOLE I GEOENVIRONMENTAL, INC. (GZA). THE ON THE DRAWING IS SOLELY FOR U OR THE CLIENT'S DESIGNATED REPI SPECIFIC PROJECT AND LOCATION DRAWING. THE DRAWING SHALL NC REUSED, COPIED, OR ALTERED IN A AT ANY OTHER LOCATION OR FOR WITHOUT THE PRIOR WRITTEN CO TRANSFER, REUSE, OR MODIFICAT BY THE CLIENT OR OTHERS, WITHOU EXPRESS CONSENT OF GZA, WILL SOLE RISK AND WITHOUT ANY RISK

| ATE SITE | All a m | | THE REAL PROPERTY IN THE REAL PROPERTY INTO THE REAL PR | -2 |
|--|---|---|--|--|
| | - | | and in | -V- |
| | - | HIGH STREET | | T |
| | + | | 9 | 1-1-1 |
| | | - | | |
| 80 WRITTEN AGREEMENT, | 129 H UNIVERSITY BIOM COP WAS | ISSUE/DESCRIP ORTED SOI OLDEN ST OF BUFFALO S IEDICAL SCIEN RNERS OF MAIN ST HINGTON STREET JRFACE EXPLO | L SOURCE REET (C91 SCHOOL OF ME CES BUILDING REET, HIGH STREE , BUFFALO, NEW Y | 5261) EDICINE AND SITE T & ORK |
| PROPERTY COMMUNICATION OF GZA E INFORMATION SHOWN USE BY GZA'S CLIENT RESENTATIVE FOR THE N IDENTIFIED ON THE OT BE TRANSFERRED, ANY GANNER FOR USE ANY OTHER PURPOSE INSENT OF CZA. ANY RION TO THE DRAWING UT THE PRIOR WRITTEN L BE AT THE USER'S OR LIABULTY TO GZA. | GZA Geo Engineer 535 WASHIN | DEnvironmental of N.Y. s and Scientists GEW YORK 14203 REVIEWED BY: DRAWN BY: DEW PROJECT NO. 21.0056642.10 | PREPARED FOR: LOUIS P. C CONSTRU- CHECKED BY: SCALE: AS SHOWN REVISION NO. | |



LEGEND:



APPROXIMATE LOCATION OF PROPOSED TEST PIT AND PROPOSED SOIL SAMPLING DEPTH INTERVAL

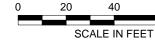
GRID SHOWN IS A 60-FOOT INTERVAL

NOTES:

1. BASE MAP ADAPTED FROM A 2011 AERIAL PHOTO AND PROPERTY LINE DOWNLOADED FROM http://www.nysgis.state.ny.us/gateway/mg/index.html AND FIELD OBSERVATIONS.

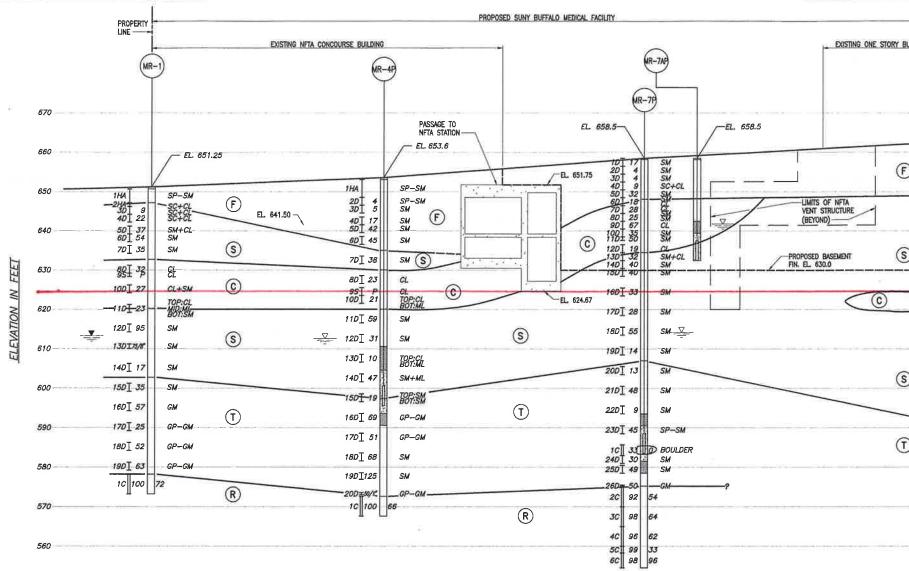
2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

3. STRUCTURES SHOWN WITHIN THE LEVEL 2 BASEMENT AREA ARE NO LONGER PRESENT.



UNLESS SPECIFICALLY STATED BY THIS DRAWING IS THE SOLE I GEOENVIRONMENTAL, INC. (GZA). THE ON THE DRAWING IS SOLELY FOR U OR THE CLIENT'S DESIGNATED REPI SPECIFIC PROJECT AND LOCATION DRAWING. THE DRAWING SHALL NC REUSED, COPIED, OR ALTERED IN A AT ANY OTHER LOCATION OR FOR WITHOUT THE PRIOR WRITTEN CO TRANSFER, REUSE, OR MODIFICAT BY THE CLIENT OR OTHERS, WITHOU EXPRESS CONSENT OF GZA, WILL SOLE RISK AND WITHOUT ANY RISK

| ATE SITE | 10 1 1 1 | | THE REAL PROPERTY IN THE REAL PROPERTY INTO THE REAL PR | -2 |
|---|--|--|--|---------------------|
|)' | 15-20' | | a sin | -V- |
| 5' | 25-30' | HIGH STREET | 1 | T |
|)' | 20-25' | | 9 | 1 - L |
| i con | | - | | |
| 80 | 129 H | ISSUE/DESCRIP ORTED SOI HOLDEN ST OF BUFFALO S IEDICAL SCIEN | L SOURCE REET (C91) | 5261) |
| | CO | RNERS OF MAIN ST SHINGTON STREET | REET, HIGH STREE , BUFFALO, NEW Y | ORK |
| WRITTEN AGREEMENT, PROPERTY OF GZA | PREPARED BY: | | PREPARED FOR: | |
| E INFORMATION SHOWN USE BY GZA'S CLIENT RESENTATIVE FOR THE | CTA Engineer 535 WASHIN BUFFALO, N | DEnvironmental of N.Y. s and Scientists IGTON STREET 11th FLOOR EW YORK 14203 | LOUIS P. C CONSTR | CIMINELLI UCTION |
| OT BE TRANSFERRED, ANY MANNER FOR USE ANY OTHER PURPOSE | (716) 685-23 PROJ MGR: CZB | REVIEWED BY: | CHECKED BY: | FIGURE |
| DNSENT OF GZA. ANY TION TO THE DRAWING UT THE PRIOR WRITTEN L BE AT THE USER'S OR LIABILITY TO GZA. | DATE JANUARY 2014 | DRAWN BY: DEW PROJECT NO. 21.0056642.10 | SCALE: AS SHOWN REVISION NO. | 3 |



NOTES:

1. FOR GENERAL NOTES, SEE DRAWING NO. B-1.

- BORINGS ILLUSTRATED ON GEOLOGIC SECTIONS ARE IN SOME CASES PROJECTED TO THE SECTION. STRATIFICATIONS SHOWN ON GEOLOGIC SECTIONS ARE BASED ON BORINGS AND ARE NECESSARY INTERPOLATIONS BETWEEN AND BEYOND BORINGS AND MAY NOT REPRESENT ACTUAL SUBSURFACE CONDITIONS.
- SEE DRAWING NO. GS-R FOR BORING LEGEND AND SUMMARY OF UNIFIED SOIL CLASSIFICATION SYSTEM. SEE DRAWING NO. RC-1 FOR ROCK CORE CLASSIFICATION CRITERIA.
- 4. GROUNDWATER LEVELS SHOWN ON GEOLOGIC SECTION ARE IN SOME CASES PROJECTED TO THE SECTION. SEE DRAWING NO. B-1 FOR PIEZOMETER LOCATIONS. SEE REFERENCED DOCUMENTS IN GEOTECHNICAL REPORT FOR PIEZOMETER DETAILS AND OBSERVATIONS.
- 5. LOCATION, PROFILE, AND ELEVATION OF EXISTING NFTA STRUCTURES TAKEN FROM NFTA LIGHT RAIL RAPID TRANSIT SECTION: B-21 RECORD DRAWINGS, DATED APRIL 1981.
- 6. WATER LEVEL MEASURED IN MW-36 BY MRCE ON SEPTEMBER 25, 2012. WELL LOCATED ON 1001 MAIN STREET PROPERTY, FOR DETAILS SEE REMEDIAL INVESTIGATION/INTERIM REMEDIAL MEASURE WORK PLAN BY C & S ENGINEERS OF BUFFALO, NY DATED AUGUST 2012.
- WATER/MUD LEVELS MEASURED IN BORINGS MAY OR MAY NOT INDICATE ACTUAL GROUND WATER LEVELS. WATER LEVELS MEASURED IN PIEZOMETERS INDICATE ACTUAL GROUND WATER PRESSURE AT INTAKE POINT.

GEOLOGIC SECTION A-A

GENERAL STRATA DESCRIPTIONS:

- GRANILAR FIL MEDIUM COMPACT TO COMPACT BROWN, GRAY BROWN, AND RED FINE SAND, SOME GRAVEL, TRACE TO SOME SILT, COBBLES, CONCRETE BRICK, METAL, GLASS, REINANT FOUNDATIONS AND ABANDONED EXCAVATION SHORING ARE ALSO EXPECTED IN THE FILL
- \bigcirc $\underbrace{\text{Ener sand}}_{\text{INTERMIXED}}$ compact to very compact silty fine sand to sandy fine silt intermixed with occasional coarser sand and clay layers.
- \bigodot clay and set stiff to hard brown and red brown silty clay and fine sandy silt to fine sandy clay with trace fine sand partings.
- $\begin{tabular}{ll} \label{eq:compact_gray} \end{tabular}$ 1
- ROCK INTERNEDIATE TO MEDIUM HARD SLIGHTLY TO MODERATELY WEATHERED GRAV LINESTONE, MODERATELY JOINTED TO JOINTED WEATHERED JOINTS, TRACE MINERALIZED JOINTS.

LEGEND:

HORIZ

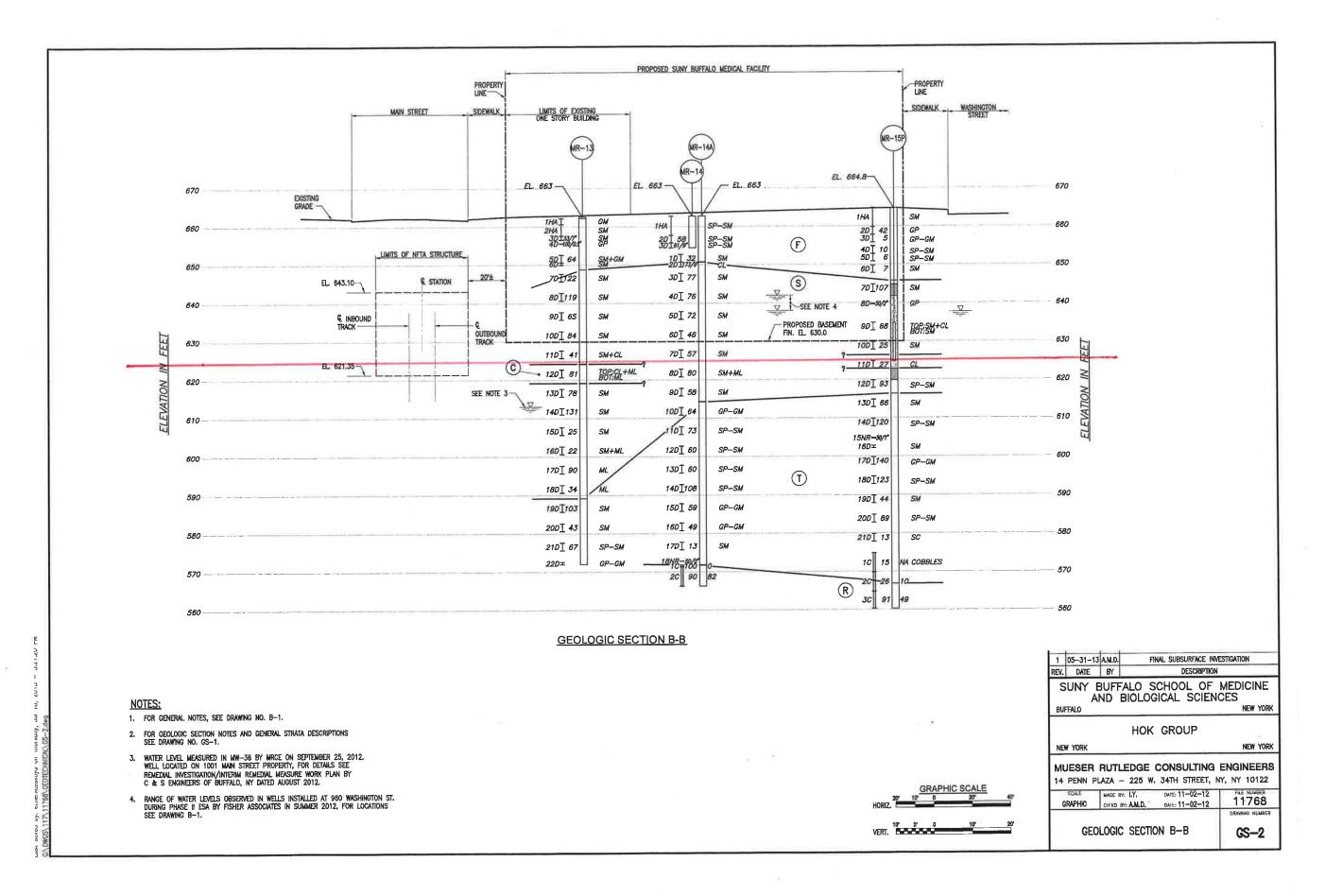
10° 5' 0 VERI

- MUD LEVEL

GRAPHIC SCA

| BUILDING | PROPER LINE HIGH ST | | | |
|------------|------------------------------------|-------------------------|-----------------------|--|
| | MR-1 | | | |
| | | EL 663 61 GRADE 61 | 70 | |
| F) | 1HA 2HA 30 53/7 40-100/05 | См SM 61 SP СР | 60 | |
| | 58I 64 | EOF:SM+GM 65 | 50 | |
| | 70 <u>1</u> 122 80 <u>1</u> 119 | SM Five, | | |
| ~ | 9D] 65 | SM Send 6 | 40 | |
| s) | 10D] 84 | SM 6. | 30 | |
| | 110 <u></u> 41 | SM+CL | FEE | |
| | 12D] 81 | TOP:CL+ML BOT:ML 62 | 20 ₹ | |
| | 13D] 78 | SM SEE NOTE 6 | NC | |
| | 14DI131 | SM | 00 02 UEVATION IN FEE | |
| | 15D] 25 | 5M 63' 0 | ELEN. | |
| s | 16D] 22 | SM+ML | | |
| | 170 <u>1</u> 90 | ML | | |
| - | 1801 34 | ML | 90 | |
| T) | 19D]103 | SM | 90 | |
| 9 | 20D] 43 | SM | 80 | |
| | 21D] 67 | SP-SM | 50 | |
| | 22D± | GP_GM5 | 70 | |
| | | | | |
| | | 5 | 60 | |

| | 1 | 05-31-13 | A.M.D. | | FINAL SUE | SURFACE IN | VESTIGATION |
|----|------|-----------------|--------|-----------------------|-----------|----------------|----------------------------|
| | REV. | DATE | BY | | - | DESCRIPTION | N |
| | | | | | | OL OF SCIEN | MEDICINE ICES NEW YO |
| | | | | HOK | GRC | OUP | |
| | NEV | V YORK | | | | | NEW YO |
| .e | | | | | | | ENGINEER |
| LE | G | BCALE RAPHIC | | M: 1.Y. BM: A.M.D. | | | PILE NUMBER |
| 20 | | GEO | Logi | C SECT | ION A- | -A | GS-1 |



.....

| | ŀ | | | | PROPOSED SU | NY BUFFALO MEDICAL FA | ACILITY | | | | _ |
|-----------------|---|---|----------------------------|---------------------|---|----------------------------|---|----------------------------|---------------|--|------|
| | | 39 | | -647 | MR | -99 | MR- | 13 | | EL. 664.8 | -158 |
| | | | | -69 | | EL. 657.5 | | - EL. 658.4 | | 1HA | - |
| 660 | | EL. 648.1 | 652.0 | EL 652.0 | 101 61 201 60 301 8 401 31 | SM SM SM | 10 77 20 25 38 30 38 30 | SM SM SP-SM BRICK | F | $\begin{array}{c} 2D \\ 3D \\ \hline \\ 4D \\ 5D \\ \hline \\ 5D \\ \hline \\ 6 \end{array}$ | |
| 650 | 1HA | SM F | | SM SM+CL F GI | 50 10 60 4 | SM SM SM SM | 60m 60 | SM SM SM SM | | 6D] 7 7D]107 | |
| 640 — | 20 [†] 30 30 56 40 29 50 58 | SM SM SM+CL SM+CL SM+CL SM | 50] 38 60] 41 70] 55 | SM SM | 70 11 80 37 90 75 100 39 110 66 120 63 130 45 140 77 | SM SM SM SM SM | 3D 2 30 60 78 70 59 80 59 90 31 100 28 110 33 120 29 130 67 140 36 150 33 | SM SPSM SM SPSM | S | 8D50/2* 9D] 68 | |
| 630 — 🗕 | 6D 40 7D 51 | SM (S) | | | 130 45 140 27 150 44 | SM SM SM | 130 67 140 36 150 35 | SM SM | FIN. EL 630.0 | 100 [25 | - |
| 620 —— | 8D] 53 | SM+ML | 10DI 47 | CL | 16D <u>∓</u> -58 - 17D፲ 27 | -SL CL | 160] 34 170] 81- | a. C | | <u>110] 27</u> 120] 93 | |
| 610 13 | 9D <u></u> 62 | SM+CL C CL+ML | 11DI 25 | CL C | 18DI 95 | CL SP-SM | 18NR=00/5 19DI 71 | SM SM | | 13D∐ 66 14D∐120 | |
| | v 12D] 31 | SM (S) | <u>130</u> [_62 | SM SEE NOTE 3 | 20D1105 | SM | 20D] 95 21D±100 | GM GM | | 15NR-50/1* 16D± | |
| 600 | 14DI72/8 | SM | <u>140]110</u> 150] 57 | SP-SM SP-SM T | 21DI 84 22DI 68 | SM SM | 22NR± 94 23DI114 | SM SM | Ī | 17D][140 18D][123 | |
| 590 | 15D] 66 16D] 52 | SP-SM T GM | <u>16D] 56</u> 17D] 90 | SPSM SPSM | 23D] 86 | | 240± 50 | SM | | 19D] 44 | |
| 580 | 170 <u>1</u> 127 180=10/5 | SM | 18D∏ 99 19NR100/2 | SP-SM | | | 25D= 75 26NR= 50 | (777) | | 200] 89 210] 13 | |
| 570 | 1C <u></u> 83 | 24 R | | R | | | | | | 10 15 | HF. |
| | | | | | | | | | R | 20-26- 30 91 | TT. |

GEOLOGIC SECTION C-C

LEGEND:

____ - WATER LEVEL

- MUD LEVEL

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING NO. B-1. 2. For geologic section notes and general strata descriptions see drawing no. GS-1.

3. RANGE OF WATER LEVELS OBSERVED IN ADJACENT BORING.

VERT. 10' 5' 0

