70 Vantage Point Drive, Ste 1
Rochester, NY 14624
P (585) 247-3471
Terracon.com

July 10, 2026
New York State Department of Environmental Conservation
Division of Environmental Remediation
6274 East Avon-Lima Rd.
Avon, NY 14414

Attn: Adam Morgan, NYSDEC – Project Manager
P: (518) 226-5356
E: adam.morgan@dec.ny.gov

Re: Excavation Work Plan Notification
Entrance and Parking Lot Reconstruction – Brighton High School
NYSDEC Site No. 828235
Brighton Central School District
2035 Monroe Ave., Brighton, NY 14618

Dear Mr. Morgan:

Terracon Consultants-NY, Inc. (Terracon) is pleased to submit this Excavation Work Plan (EWP) Notification to the New York State Department of Environmental Conservation (NYSDEC) for review and approval. Brighton Central School District (BCSD), at 2035 Monroe Avenue in Brighton, New York, is identified as NYSDEC Site No. 828235, with site limits shown on Exhibit 1. BCSD is completing the entrance and parking lot reconstruction on the south side of Brighton High School as shown on Exhibit 2 with detail location on Exhibit 3. The entrance and parking lot construction project generally includes milling and removal of existing asphalt, grading of subgrade gravel, replacement with new asphalt, and construction of landscape areas.

This EWP generally conforms to the NYSDEC Division of Environmental Remediation "Technical Guidance for Site Investigation and Remediation" (DER-10), and the draft Interim Site Management Plan (ISMP) for the site that was submitted to the NYSDEC on May 19th, 2026. BCSD understands that the draft ISMP supports environmental mitigation of potential environmental conditions encountered during planned site-related construction activities. The draft ISMP will provide the basis for the final Site Management Plan (SMP) that will be approved by NYSDEC and govern the environmental mitigation and monitoring actions at Brighton High School.

1.0 Project Information

The entrance and parking lot reconstruction work zones are located on the south side of Brighton High School as shown on Exhibit 2. The construction activities are expected to include the following:

- Removal of sidewalk and curb;

- Installation of sidewalk and curb;
- Milling about 1.5 inches (in) the eastern parking lot shown in Exhibit 3, paving with new top coat;
- Installation of landscaped/lawn areas as shown in Exhibit 4;
- Installation of a planting bed;
- Removal of existing asphalt entryway and roadways as shown in Exhibit 3;
- Installation of new asphalt entryway and roadways as shown in Exhibit 4;

The main parking lot south of Brighton High School will remain in place to include the existing planting bed located in the center of the parking lot. The construction drawings detailing the work are included in **Attachment 1**.

2.0 Excavation Work Plan

The sections below outline the applicable components from the draft ISMP applicable to this limited project.

2.1 Soil Screening Methods

Visual, olfactory and/or instrument-based soil screening will be performed by a Terracon Scientist or Geologist during all ground intrusive activities including sidewalk and asphalt removal as well as removal or grading of subbase material. Terracon personnel will screen soils for total organic vapor (TOV) using a photoionization detector (PID). If field evidence of potentially impacted soil/fill is encountered during intrusive work, the NYSDEC will be contacted, and the contractor will be instructed to stockpile material separately on polyethylene sheeting, within the fenced field area shown on Exhibit 2.

2.2 Material Excavation

A Terracon Scientist or Geologist will observe and document excavation and load-out activities. The Site Owner and its contractors are responsible for safe execution of intrusive work performed under this EWP; however, the entity performing intrusive work on the site is required to abide by the requirements identified herein.

During construction activities, Terracon will document and field verify presence of potential impacted material located within the work areas that may be uncovered during excavation. Terracon will document the depth of excavation to verify that the backfill elevation for the cover

system will meet the draft ISMP site requirements, to include two feet of soil cover system, or impervious surface.

2.3 Soil Sampling and Analysis

During excavation activities, Terracon will collect post excavation samples from the sidewall or bottom of various excavation areas for further site characterization. Soil samples will be analyzed for Target Analyte List Metals and Target Compound List Semi-Volatile Organic Compounds. Additionally, approximately 25% of samples will be analyzed for the NYSDEC Part 375 analytical list in accordance with the sampling protocol in the draft ISMP. The results of these analyses will be included as part of site characterization. The list of analytes includes:

- NYSDEC Part 375 VOCs via Method 8260
- NYSDEC Part 375 SVOCs via Method 8270
- TAL metals and cyanide via Methods 6010/7471/9012
- Pesticides via Methods 8081
- PCBs via Method 8082

Landscape areas that will remain will be sampled. Soil samples will be collected from ground surface to approximately 2 inches (in) below ground surface (bgs), 2 to 12 in bgs, and 12 to 24 in bgs to assess subsurface conditions. Sampling and laboratory analysis will follow the protocol included in the draft ISMP.

2.4 Soil Staging

Excavated soils will be stockpiled and staged within the fenced area shown on Exhibit 2. Soil material will remain sperate based on material type and placed on polyethylene sheeting. Silt socks or hay bales will be used around the stockpiled soil for erosion control methods as necessary. Soils will be stockpiled for future sampling, analysis, and reuse evaluation or disposal off-site.

2.5 Stockpile Sampling and Analysis

Terracon will inventory the volume and material type stockpiled and collect appropriate samples for analysis for potential re-use on site or off-site disposal. Analytical results will be compared to the Soil Cleanup Objectives (SCOs) for Protection of Groundwater, Unrestricted or Restricted use per 6 NYCRR Part 375 and potential on-site reuse.

2.6 Materials Transport and Disposal Off-Site

Based on analytical testing results, Terracon will provide guidance on soil re-use or off-site disposal option. Terracon will observe and document material removal and load-out. Off-site transport of materials will be performed by licensed haulers in accordance with applicable local, state, and federal regulations. Haulers will be appropriately licensed and trucks properly placarded. Material transported by trucks exiting the site will be secured with truck covers. If loads contain wet material capable of producing free liquid, truck liners will be used. Egress points for truck and equipment transport from the Site will be kept clean of dirt and materials during construction.

Material will be characterized and disposed of in accordance with all local, state, and federal regulations. The Contractor shall obtain and submit electronic copies of all transport manifests, bills of lading, and certified weigh tickets of all materials to Terracon.

2.7 Recycled Materials

Concrete sidewalks, curb material, and asphalt (such as millings) removed during construction activities will be transported off-site to an approved recycling facility. The Contractor shall obtain and submit electronic copies of all transport manifests, bills of lading, and certified weigh tickets of all materials to Terracon.

2.8 Fluids Management

Groundwater is not expected to be encountered during this project. Fluid management, such as excavation dewatering, will be handled, transported, and disposed of in accordance with applicable local, state, and federal regulations. Based on the depth of excavation and area on site, dewatering is not anticipated to be required.

2.9 Backfilling from Off-Site Sources

All materials proposed for import onto the site will be approved by the qualified environmental professional, as defined in 6 NYCRR Part 375, and will be in compliance with provisions in the draft ISMP prior to receipt at the site. Material from industrial sites, spill sites, other environmental remediation sites, or potentially contaminated sites will not be imported to the site. Imported soils will meet the backfill and cover soil quality standards established in 6 NYCRR 375-6.7(d) and DER-10 Appendix 5 and laboratory analytical results will meet the Restricted Residential use for compounds listed. Proposed materials must be sampled for full suite analytical parameters including per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane. Request to Import/Reuse Fill form will be provided to NYSDEC for approval prior to import to the site.

2.10 Cover System Implementation

Asphalt and concrete will be replaced in some areas as part of the planned construction activities. Impervious surfaces will act as a cover system. Vegetation areas will include two feet of clean cover as part of the cover system.

2.11 Community Air Monitoring

Continuous air monitoring (volatile organic compounds and particulates) will be conducted at upwind and downwind locations during all ground intrusive activates per the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan (CAMP) provided in Attachment 2. The NYSDEC and NYSDOH will be notified immediately of any exceedances of CAMP action levels. Anticipated CAMP monitor locations are depicted on Exhibit 2.

2.12 Health and Safety

Terracon is committed to the safety of all its employees. As such, and in accordance with our Incident and Injury Free® safety goals, fieldwork covered under this EWP will be completed in accordance with the site-specific Health and Safety Plan (HASP) included within the draft ISMP.

2.13 Reporting

At the conclusion of the project, Terracon will provide a construction completion report (CCR) documenting field activities and soil management documentation.

If you have any questions regarding this EWP or you would like to discuss the proposed scope of services, please do not hesitate to contact us.

Sincerely,
Terracon Consultants, Inc.-NY

Kayla Hillis
Senior Staff Geologist

Michele Patterson-Wittman, P.G.
Operations Manager

Attachments:

Exhibit 1 – Site Location Map
Exhibit 2 – Site Features
Exhibit 3 – Entrance and Parking Lot Reconstruction Work Areas
Exhibit 4 – Planned Surface Cover Areas
Attachment 1 – Entrance and Parking Lot Reconstruction Construction Drawings
Attachment 2 – Project-specific Community Air Monitoring Plan (CAMP)

EXHIBITS

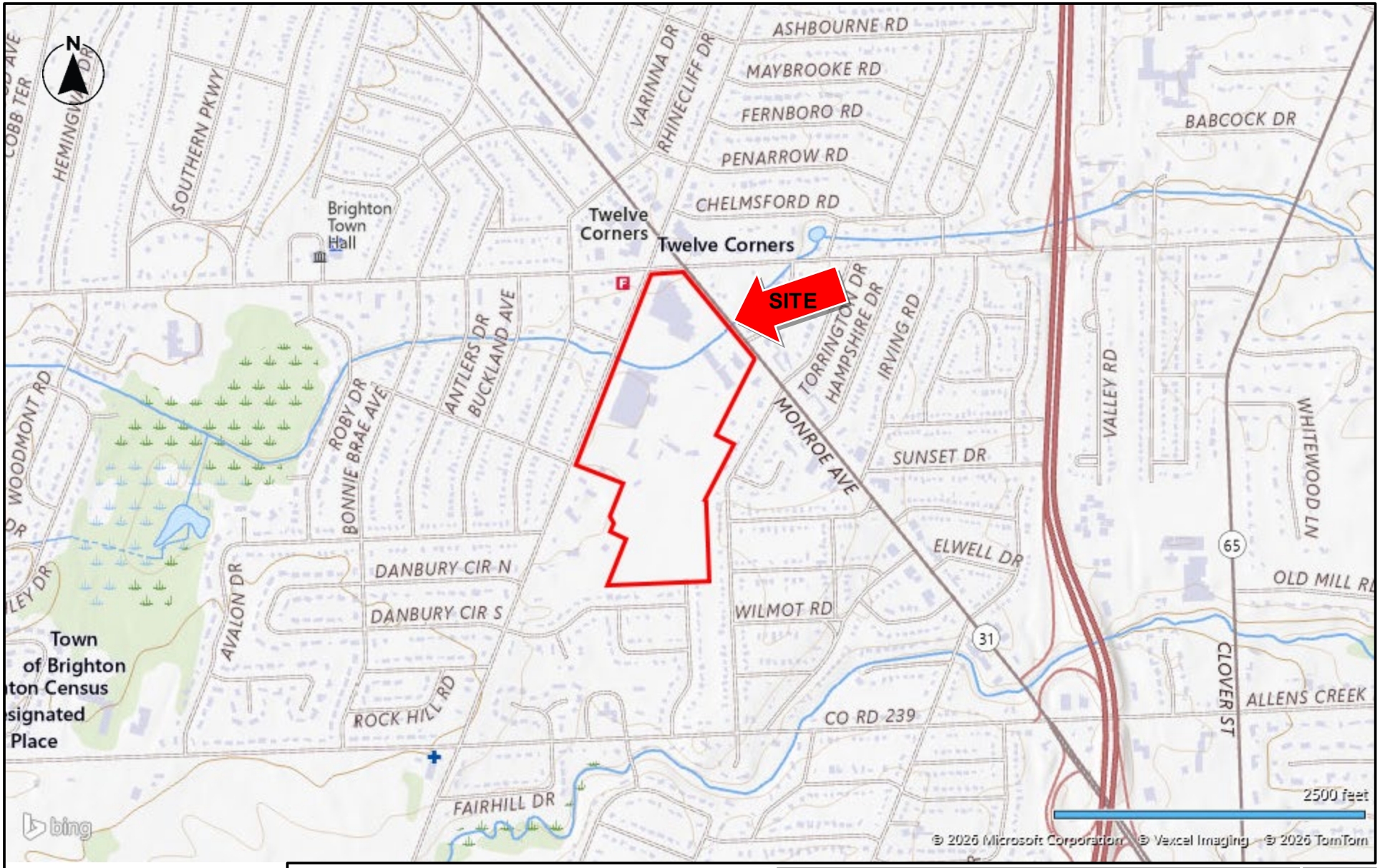


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project:	J5267013
Scale:	AS SHOWN
Client:	Brighton Central School District
Date:	6/25/26

Terracon

70 Vantage Point Dr, Ste 1
Rochester, NY 14624

SITE LOCATION

Brighton CSD - Environmental Services
1150 Winton Road
Rochester, NY

Exhibit

1



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Project No.	J5267013
Scale:	AS SHOWN
Client:	Brighton Central School District
Date:	6/25/26

Terracon
70 Vantage Point Dr, Ste 1
Rochester, NY 14624

SITE FEATURES

Brighton CSD - Environmental Services
1150 Winton Road
Rochester, NY

Exhibit **2**

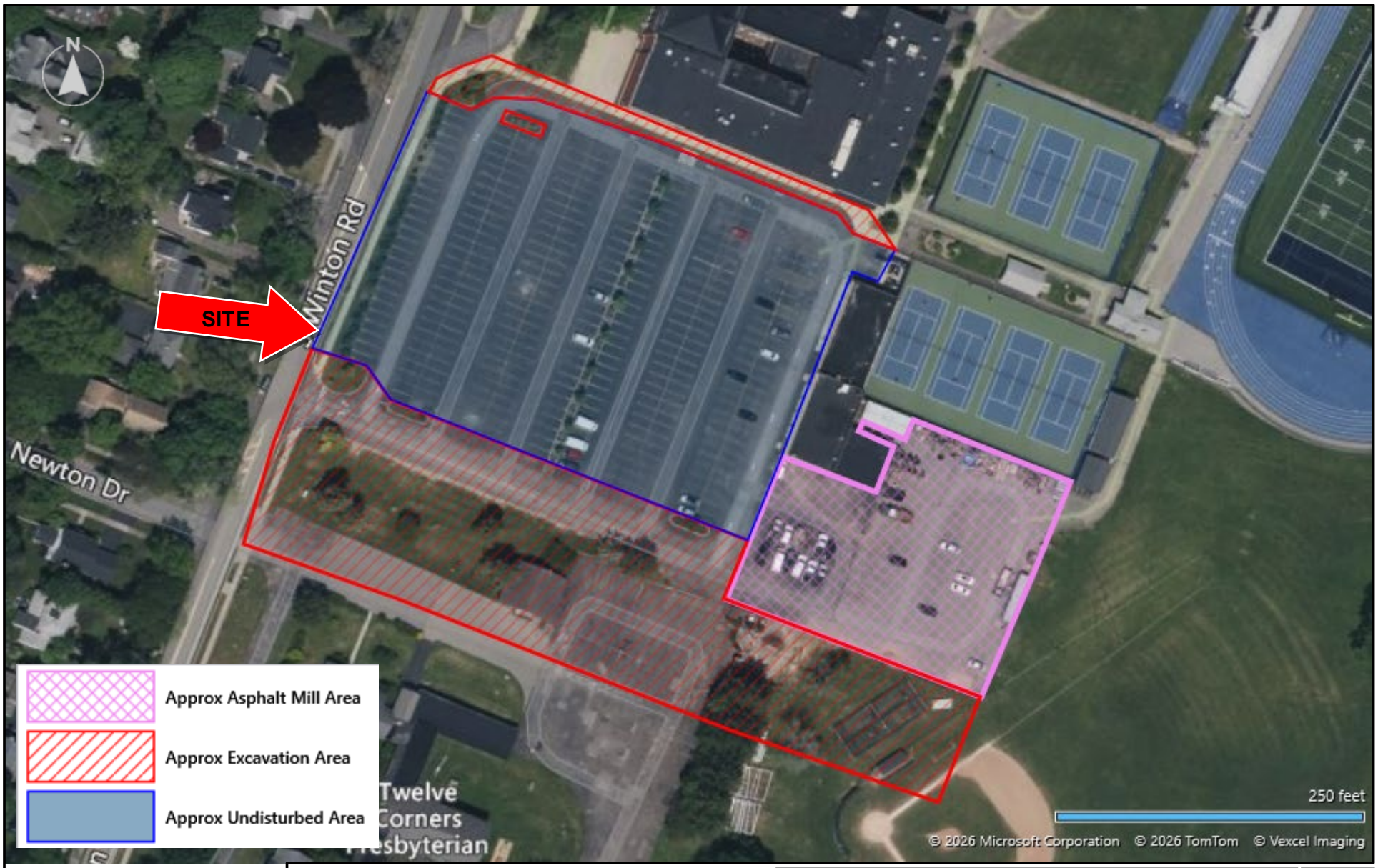


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project No.	J5267013
Scale:	AS SHOWN
Client:	Brighton Central School District
Date:	July 1, 2026

Terracon

70 Vantage Point Dr, Ste 1
Rochester, NY 14624

ENTRANCE AND PARKING LOT RECONSTRUCTION
WORK AREA

Brighton CSD - Environmental Services
1150 Winton Road
Rochester, NY

Exhibit

3

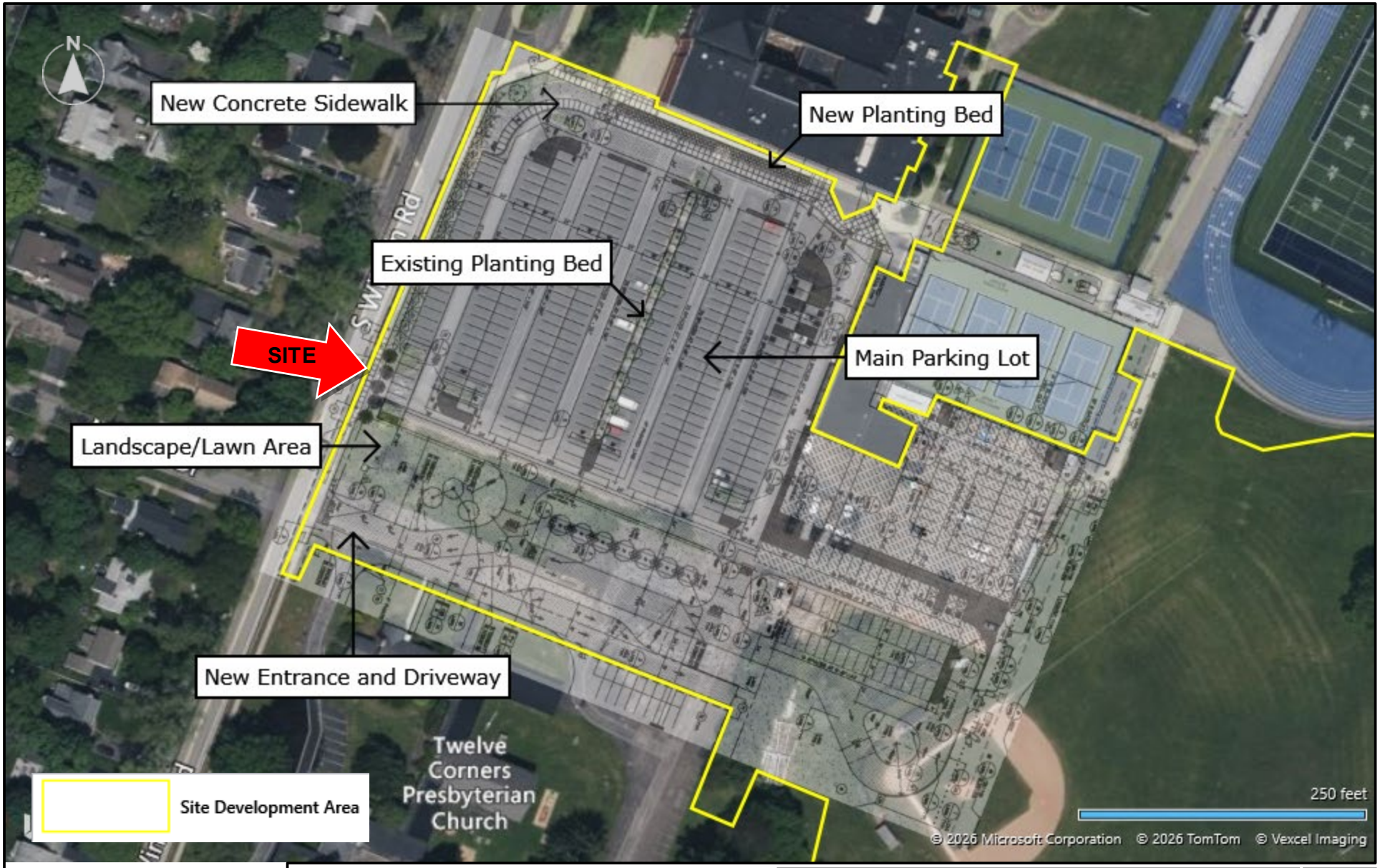


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project No.	J5267013
Scale:	AS SHOWN
Client:	Brighton Central School District
Date:	July 1, 2026

Terracon
70 Vantage Point Dr, Ste 1
Rochester, NY 14624

Planned Surface Cover Areas

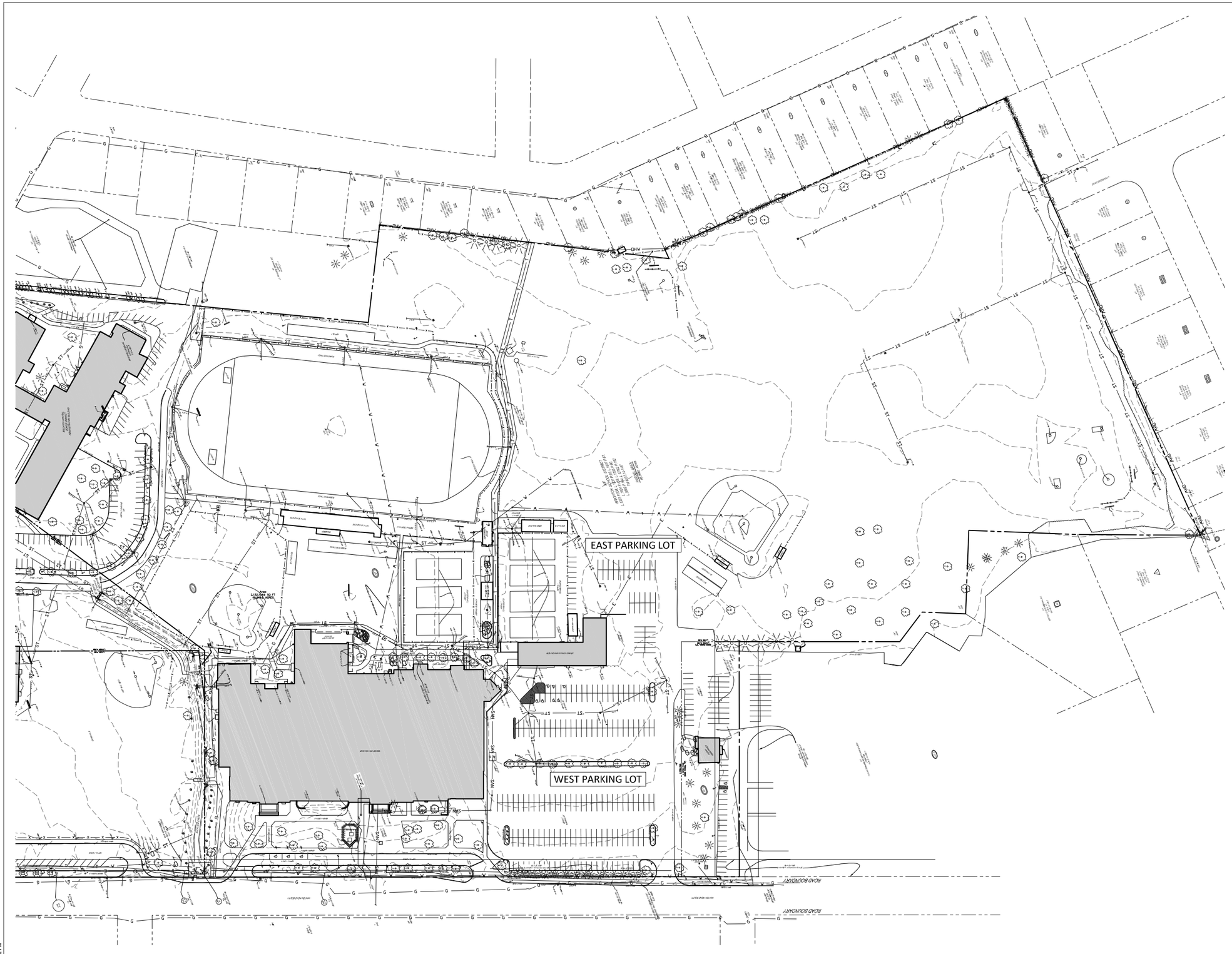
Brighton CSD - Environmental Services

1150 Winton Road
Rochester, NY

Exhibit

4

ATTACHMENT 1
Entrance and Parking Lot Construction Drawings



SITE SURVEY

0 30 60 120 180
SCALE IN FEET

5/28/2024 4:20:42 PM

© SEI design group Architects

BRIGHTON CENTRAL SCHOOL DISTRICT

Brighton CENTRAL • SCHOOLS

2023 CAPITAL IMPROVEMENT PROJECT - PHASE 2

HIGH SCHOOL
1150 WINTON ROAD
ROCHESTER, NY 14618

SED Control No. 26-01-01-04-0-009-029
SED Control No. 26-01-01-04-0-005-035

Key Plan

SEI design group
ENGAGE • IMAGINE • INSPIRE
585.442.7010 - 224 Mill St. - Rochester, NY 14614
518.435.2467 - 187 Wolf Rd., Suite 304 - Albany, NY 12205
607.304.4550 - 3 Court St., Suite 404 - Binghamton, NY 13901

appel osborne landscape architecture
102 West Division Street, Suite 280
Syracuse, NY 13204 | (315) 476-1022
The Sites at 30 Erie Street, Suite 480
Buffalo, NY 14210 | (315) 476-1022

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL JENNER
002097
STATE OF NEW YORK

Registration current through 9/30/2028

The architect's seal on this drawing certifies that it was prepared by the architect or under the architect's direct supervision. It is a violation of law for any person, unless acting under the direction of a licensed architect, to alter this document in any way. Any alteration must bear the stamp and signature of the licensed architect who altered it and a specific description of the alteration.

CONSTRUCTION DOCUMENTS

Date 10/08/2025 SEI Project No. 23-4312

Revisions

SITE SURVEY

L3000

LEGEND

EXISTING	PROPOSED	DESCRIPTION	EXISTING	PROPOSED	DESCRIPTION
	CLL	CONTRACT LIMIT LINE			FIRE HYDRANT
	MATCHLINE	MATCHLINE			YARD HYDRANT
		STREET LINE / PROPERTY EDGE	○		WATER VALVE
100	100	CONTOUR	○ WMH		WATER MANHOLE
		CURB	CBRO CB	SI	CATCH BASIN / STORM INLET
		PAVEMENT EDGE	○ DMH	MH / DW	STORM MANHOLE / DRYWELL
		SAWCUT LINE	○ SMH		SANITARY MANHOLE
		CURB REMOVAL	○ CO		CLEANOUT
		UTILITY REMOVAL	○ GV		GAS VALVE
OHW		OVERHEAD WIRES			FLARED END SECTION
W		WATER LINE	CHAIN LINK FENCE	8' CL FENCE	
G		GAS LINE			VINYL CLAD CHAIN LINK FENCE
T		BURIED TELEPHONE LINE	257.25	456.50	SPOT GRADE
FO		BURIED FIBER OPTIC LINE		F.V.	FIELD VERIFY
D		BURIED DATA LINE		ALT.	ALTERNATE
E		BURIED ELECTRIC LINE		E.O.P.	EDGE OF PAVEMENT
Sg	SAN	SANITARY SEWER - SIZE / TYPE		TYP	TYPICAL
St	6" ST	STORM SEWER - SIZE / TYPE		RL	ROOF LEADER
	8" SMT	STORMWATER MANAGEMENT TRENCH		FD	FOOTING DRAIN
	F-DRAIN	FLAT DRAIN			EDGE OF WOODS
		UTILITY POLE			
NYSEG 89-1		UTILITY POLE WITH LIGHT			TREES / SHRUBS
		GUY WIRE			REMOVE TREE
LP		LIGHT POLE (SHOWN FOR COORDINATION ONLY)			DRAINAGE FLOW DIRECTION
CIPF ○		CAPPED IRON ROD FOUND			
IRF ○		IRON ROD FOUND			DETAIL FLAG
IPF ○		IRON PIPE FOUND			
YCIRS ○		YELLOW CAPPED IRON ROD SET		1	CONSTRUCTION NOTE
TBOX △		TELEPHONE PULL BOX			REMOVE EXISTING PAVEMENT
TRANS □		ELECTRIC TRANSFORMER			REMOVE ASPHALT TO SUBBASE
EMTR △		ELECTRIC METER			VEGETATION REMOVAL
EHH ○		ELECTRIC HANDHOLE			1½" MIN ASPHALT MILLING AND TACK COAT
SMON ▩		CONCRETE MONUMENT FOUND			1½" MIN ASPHALT WEARING COURSE AND SHIM COURSE
TPED □		TELEPHONE PEDESTAL			3½" MIN ASPHALT ON EX. COMPACTED SUBBASE
PIV ○		POST INDICATOR VALVE		LDA	LIGHT DUTY ASPHALT
ERiser ○		ELECTRIC RISER		MDA	MEDIUM DUTY ASPHALT
BOL	MB	METAL BOLLARD		HDA	HEAVY DUTY ASPHALT
		TRAFFIC SIGN		HDC	HEAVY DUTY CONCRETE WITH SCORING
					STANDARD CONCRETE WITH SCORING
					LAWN TYPE 1 - 6" TOPSOIL, SEED AND MULCH
					LAWN TYPE 2 - 6" TOPSOIL, SEED AND STRAW MAT
					LAWN TYPE 3 - 6" TOPSOIL, AND SOD
					LAWN TYPE 4 - WET SEED MIX
					STONE BLANKET
					ASPHALT SEAL COAT

SURVEY NOTES - BRIGHTON HIGH SCHOOL

BOUNDARY AND TOPOGRAPHIC INFORMATION WAS TAKEN FROM THE FOLLOWING:

TITLE "BOUNDARY AND TOPOGRAPHIC SURVEY OF BRIGHTON CENTRAL SCHOOL DISTRICT, TOWN OF BRIGHTON, MONROE COUNTY, STATE OF NEW YORK. PREPARED BY HUNT ENGINEERS,ARCHITECTS,SURVEYORS, 100 HUNT CENTER, HORSEHEADS, NY 14845, TEL: (607)358-1000, FAX: (607)358-1600.

MAP REFERENCES:

1) MAP ENTITLED "MAP OF ROLLANDS, PART OF LOTS 14-22, TOWN OF BRIGHTON, N.Y." RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON MARCH 9TH 3157 1920 IN BOOK 44 OF MAPS AT PAGE 19.

2) MAP ENTITLED "WESTBROOK, BEING A SUBDIVISION, PART OF LOT NO. 22, TOWNSHIP 13, RANGE 1, BRIGHTON, MONROE CO., N.Y." RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON NOVEMBER 4TH 1926 IN BOOK 68 OF MAPS AT PAGE 28.

3) MAP ENTITLED "EASEMENT NO. 1, STATE HIGHWAY NO. 94, MONROE COUNTY" DATED DECEMBER 5 1928 ON FILE WITH NEW YORK STATE DEPARTMENT OF TRANSPORTATION.

4) MAP ENTITLED "MAP SHOWING RE-SUBDIVISION OF LOTS NO. 15 and 16 OF WESTBROOK SUBDIVISION," RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON APRIL 11TH 1930 IN BOOK 78 OF MAPS AT PAGE 20.

5) MAP ENTITLED "ELMWOOD AVE. AT WINTON RD., L-1876 P-481 and 489-BRIGHTON 1936" DATED NOVEMBER 24TH 1936 ON FILE AT THE MONROE COUNTY RECORDS ROOM.

6) MAP ENTITLED "MAP OF SECTION 3, FRANKLAND MANOR SUBDIVISION FOR SCHANTZ HOMES, INC." DATED SEPTEMBER 8TH 1950 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE IN BOOK 126 OF MAPS AT PAGE 15.

7) MAP ENTITLED "MAP OF RESUBDIVISION OF LOTS No. 1, 8 and 9 OF WESTBROOK FOR HELDON CONSTRUCTION CORP." RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON FEBRUARY 9TH 1953 IN BOOK 119 OF MAPS AT PAGE 21.

8) MAP ENTITLED "MAP OF RESUBDIVISION OF LOTS 47, 48, 49 and 50 OF SECTION 2 FRANKLAND MANOR SUBDIVISION FOR SCHANTZ HOMES, INC." RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON JULY 22ND 1953 IN BOOK 121 OF MAPS AT PAGE 36.

9) MAP ENTITLED "MAP OF SECTION 3, FRANKLAND MANOR SUBDIVISION FOR SCHANTZ HOMES, INC." DATED OCTOBER 6TH 1953AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE IN BOOK 124 OF MAPS AT PAGE 42.

10) MAP ENTITLED "MAP OF RE-SUBDIVISION OF THE SOUTH PART OF LOT 12 AND NORTH PART OF LOT 13 TO LOT R-12, WESTBROOK SUBDIVISION" RECORDED IN THE MONROE COUNTY CLERKS OFFICE ON OCTOBER 18TH 1954 IN BOOK 126 OF MAPS AT PAGE 14.

11) MAP ENTITLED "MAP OF RE-SUBDIVISION OF WEST PART OF LOT 13 and LOT 14 TO R-14, EAST PART OF LOT 12 and LOT 11 TO LOT R-11, WESTBROOK SUBDIVISION" RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON APRIL 21ST 1955 IN BOOK OF MAPS AT PAGE 53.

12) MAP ENTITLED "MAP OF RESUBDIVISION OF LOTS R-7, R-8 and 10 OF THE WESTBROOK SUBDIVISION" RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON OCTOBER 3RD 1955 IN BOOK 131 OF MAPS AT PAGE 85.

13) MAP NO. 49 PARCEL NO. 112, PREPARED BY MONROE COUNTY DEPARTMENT OF PUBLICS WORK, BUREAU OF ENGINEERING, DRAWING NUMBER WINTON ROAD,-BRIGHTON, SAT. #-31.000' DATED JULY 9TH 1941 ON FILE AT THE MONROE COUNTY RECORD ROOM.

14) MAP NO. 50 PARCEL NO. 113, PREPARED BY MONROE COUNTY DEPARTMENT OF PUBLICS WORK, BUREAU OF ENGINEERING, DRAWING NUMBER WINTON RD, - BRIGHTON, SAT. 0+60.00 - 5+25.00' DATED AUGUST 29TH 1915 ON FILE AT THE MONROE COUNTY RECORDS ROOM.

15) MAP ENTITLED "SUBDIVISION OF TWELVE CORNERS PRESBYTERIAN CHURCH PROPERTY" RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON NOVEMBER 9TH 1992 IN BOOK 273 OF MAPS AT PAGE 31.

16) MAP ENTITLED "VALENTINE SUBDIVISION, BEING A RE-SUBDIVISION OF LOT 2 PF ELLIOTT PRESS SUBDIVISION" RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON JULY 23RD 2008 IN BOOK 334 OF MAPS AT PAGE 80

17) MAP ENTITLED "H.C.S. WINTON ROAD SUBDIVISION, BEING A RESUBDIVISION OF THE TWELVE CORNERS PRESBYTERIAN CHURCH PROPERTY" RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON AUGUST 16TH 2012 IN BOOK 344 OF MAPS AT PAGE 13.

18) MONROE COUNTY DEPARTMENT OF TRANSPORTATION EASEMENT MAP, WINTON ROAD (CR. 98) MAP NO. 62 PARCEL 1, DATED SEPTEMBER 16TH 2014 ON FILE AT THE MONROE COUNTY RECORDS ROOM.

19) MAP ENTITLED "BRIGHTON BRUINS SUBDIVISION, BEING A RESUBDIVISION OF H.C.S. WINTON ROAD SUBDIVISION - L.344 PG 13 AND SUB DIVISION MAP OF TWELVE CORNERS PRESBYTERIAN CHURCH PROPERTY" - L.273 P.31 AND OTHER LANDS" RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON SEPTEMBER 21ST 2022 IN BOOK 365 OF MAPS AT PAGE 19.

MAP NOTES:

1) PREMISES SOURCE OF TITLE:
   a. LANDS CONVEYED BY ABNER M. BUCKLAND, BERTHA J. BUCKLAND, GEORGE H. BUCKLAND, ALICE BUCKLAND, FRANK A. BUCKLAND, LEAH BUCKLAND, AND FLORENCE B. BURTIS (GRANTOR) TO COMMON SCHOOL DISTRICT NO. 1 (GRANTEE) BY DEED DATED JUNE 11TH 1925 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON JUNE 19TH 1925 IN BOOK 1323 OF DEEDS AT PAGE 538.
   b. LANDS CONVEYED BY ABNER M. BUCKLAND, BERTHA J. BUCKLAND, GEORGE H. BUCKLAND, ALICE BUCKLAND, FRANK A. BUCKLAND, AND LEAH BUCKLAND (GRANTOR) TO COMMON SCHOOL DISTRICT NO. 1 (GRANTEE) BY DEED DATED JULY 7TH 1925 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON JULY 9TH 1925 IN BOOK 1331 OF DEEDS AT PAGE 60.
   c. LANDS CONVEYED BY WILLIAM F. MARTENS (GRANTOR) TO UNION FREE SCHOOL DISTRICT NO. 1 (GRANTEE) BY DEED DATED AUGUST 18TH 1932 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON AUGUST 19TH 1932 IN BOOK 1601 OF DEEDS AT PAGE 67.
   d. LANDS CONVEYED BY HOME 1 BASSETT CO., INC. (GRANTOR) TO UNION FREE SCHOOL DISTRICT NO. 1 (GRANTEE) BY DEED DATED MAY 9TH 1933 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON MAY 16TH 1933 IN BOOK 1624 OF DEEDS AT PAGE 458.
   e. LANDS CONVEYED BY HOME 1 BASSETT CO, INC. (GRANTOR) TO UNION FREE SCHOOL DISTRICT NO. 1 (GRANTEE) BY DEED DATED DECEMBER 7TH 1936 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON DECEMBER 9TH 1936 IN BOOK 1795 OF DEEDS AT PAGE 361.
   f. LANDS CONVEYED BY DON 1 BOBS, INC. (GRANTOR) TO UNION FREE SCHOOL DISTRICT NO. 1 (GRANTEE) BY DEED DATED NOVEMBER 14TH 1956 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON NOVEMBER 14TH 1956 IN BOOK 3069 OF DEEDS AT PAGE 144.
   g. LANDS CONVEYED BY TWELVE CORNERS PRESBYTERIAN CHURCH (GRANTOR) TO BRIGHTON CENTRAL SCHOOL DISTRICT (GRANTEE) BY DEED DATED AUGUST 4TH 2022 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON AUGUST 5TH 2022 IN BOOK 12780 OF DEEDS AT PAGE 192.
2) SUBJECT TO A 16' WIDE WATER LINE EASEMENT GRANTED BY THE BOARD OF EDUCATION OF UNION FREE SCHOOL DISTRICT NO. 1 TO THURSTON CORBETT, C. ARDEN BABBITT AND WALTER H. WELLS, AS WATER COMMISSIONERS OF MONROE AVENUE WATER DISTRICT BY DEED DATED SEPTEMBER 1ST 1959 AN RECORDED IN THE MONROE COUNTY CLERKS OFFICE ON SEPTEMBER 28TH 1959 IN BOOK 7951 OF DEEDS AT PAGE 384.
3) SUBJECT TO A 16' WIDE SEWER AND STORM WATER PIPES EASEMENT GRANTED BY THE BOARD OF EDUCATION OF UNION FREE SCHOOL DISTRICT NO. 1 TO HAROLD V. MADIGAN, G. ALFRED SPROAT AND LAURENCE A. PLATT, AS SEWER COMMISSIONERS OF SEWER DISTRICT NO. 2 BY DEED DATED AUGUST 31ST 1959 AND RECORDED IN THE MONROE COUNT CLERK'S OFFICE ON SEPTEMBER 28TH 1959 IN BOOK 7951 OF DEEDS AT PAGE 386.
4) SUBJECT TO A PERMANENT EASEMENT FOR HIGHWAY PURPOSES GRANTED BY BRIGHTON CENTRAL SCHOOL DISTRICT TO THE COUNTY OF MONROE BY DEED DATED MAY 29TH 1976 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON SEPTEMBER 8TH 1976 IN BOOK 5093 OF DEEDS AT PAGE 25/SEE MAP REF #3)
5) SUBJECT TO PERMANENT EASEMENT 30' WIDE FOR WATER MAIN(S) GRANTED BY BRIGHTON CENTRAL SCHOOL DISTRICT TO MONROE COUNTY WATER AUTHORITY BY DEED DATED FEBRUARY 26TH 1980 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON MARCH 6TH 1980 IN BOOK 5769 OF DEEDS AT PAGE 139.
6) SUBJECT TO PERMANENT EASEMENT 30' WIDE FOR A WATER MAIN GRANTED BY TWELVE CORNERS PRESBYTERIAN CHURCH TO MONROE COUNTY WATER AUTHORITY BY DEED DATED APRIL 5TH 1980 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON APRIL 23RD 1980 IN BOOK 5789 OF DEEDS AT PAGE 47.
7) SUBJECT TO A 10' WIDE UTILITY EASEMENT GRANTED BY BRIGHTON CENTRAL SCHOOL DISTRICT TO ROCHESTER TELEPHONE CORPORATION BY DEED DATED JUNE 8TH 1993 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON OCTOBER 6TH 1993 IN BOOK 8394 OF DEEDS AT PAGE 289.
8) SUBJECT TO A 10' WIDE UTILITY EASEMENT GRANTED BY BRIGHTON CENTRAL SCHOOL DISTRICT TO TIME WARNER ENTERTAINMENT-ADVANCED/NEWHOUS PARTNERSHIP D/B/A TIME WARNER COMMUNICATIONS BY A DEED DATED NOVEMBER 14TH 1995 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON NOVEMBER 22ND 1995 IN BOOK 8611 AT PAGE 232.
9) TOGETHER WITH AND SUBJECT TO CROSS-OPERATING EASEMENT AND LICENSE AGREEMENT BETWEEN THE BRIGHTON CENTRAL SCHOOL DISTRICT AND J. V. RENARD 1 COMPANY, INC. BY A DEED DATED MARCH 20TH 2002 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON AUGUST 11TH 2003 IN BOOK 9603 AT PAGE 371.
10) SUBJECT TO A STORM SEWER EASEMENT GRANTED BY BRIGHTON CENTRAL SCHOOL DISTRICT TO ELLIOTT PRESS BY DEED DATED AUGUST 1ST 2022 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON MAY 10TH 2005 IN BOOK 10121 OF DEEDS AT PAGE 580.
11) SUBJECT TO A BOUNDARY AND ENCROACHMENT AGREEMENT BETWEEN SAULBERT F. RASNICK AND ABIGAIL L. RASNICK (OWNER) AND SCHOOL DISTRICT NO. 1 (NEIGHBOR) BY DEED DATED JULY 1ST 2004 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON JULY 21ST 2004 IN BOOK 9991 OF DEEDS AT PAGE 139.
12) SUBJECT TO AN EASEMENT FOR DRAINAGE AND HIGHWAY IMPROVEMENT PURPOSES GRANTED BY UNION FREE SCHOOL DISTRICT NO. 1 TO MONROE COUNTY BY DEED DATED FEBRUARY 3RD 2015 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON APRIL 22ND 2015 IN BOOK 11525 OF DEEDS AT PAGE 449. (SEE MAP REF. #8)
13) SUBJECT TO A PERMANENT EASEMENT FOR BUS SHELTER AND STORMWATER PLANTER GRANTED BY BRIGHTON CENTRAL SCHOOL DISTRICT TO THE TOWN BOARD OF THE TOWN OF BRIGHTON BY A DEED DATED OCTOBER 21TH 2016 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON DECEMBER 16TH 2016 IN BOOK 11761 OF DEEDS AT PAGE 390.
14) TOGETHER WITH AND SUBJECT TO A CROSS-ACCESS, PARKING, UTILITY, AND STORMWATER EASEMENT BETWEEN BRIGHTON CENTRAL SCHOOL DISTRICT AND TWELVE CORNERS PRESBYTERIAN CHURCH BY A DEED DATED AUGUST 1ST 2022 AND RECORDED IN THE MONROE COUNTY CLERK'S OFFICE ON AUGUST 1ST 2022 IN BOOK 12699 OF DEEDS AT PAGE 650.
15) LOCATION OF UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS ARE NOT ALWAYS KNOWN AND OFTEN MUST BE ESTIMATED. IF ANY UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS EXIST OR ARE SHOWN, THE IMPROVEMENTS OR ENCROACHMENTS ARE NOT COVERED BY THIS CERTIFICATE. THE LOCATION OF THE UTILITY LINES IF SHOWN IS PURSUANT TO INFORMATION SUPPLIED BY OTHERS, THERE IS NO GUARANTEE THAT ALL EXISTING UTILITIES, WHETHER FUNCTIONAL OR ABANDONED WITHIN THE PROJECT AREA ARE SHOWN.
16) HORIZONTAL DATUM IS REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM (NYSPCS) WEST ZONE NAD 83.
17) VERTICAL DATUM IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
18) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE AND IS SUBJECT TO ANY ADDITIONAL FACTS AN UP TO DATE ABSTRACT MAY DISCLOSE.

BENCHMARKS:

BM-1 : CHISELED SQUARE IN NORTHWEST CORNER OF WALL
LOCATED BETWEEN THE EAST CORNER OF THE ADMIN BUILDING AND PARKING LOT
ELEV. = 488.13'

BM-2 : CHISELED SQUARE IN SOUTH EAST CORNER OF LIGHT POLE BASE
LOCATED NEAR ADMIN. BUILDING NORTH DRIVE ENTRANCE
ELEV. = 489.24'

BM-3 : CHISELED SQUARE IN CONCRETE PAD
LOCATED AT SOUTH EAST ENTRANCE OF ADMIN. BUILDING
ELEV. = 489.11'

BM-4 : CHISELED SQUARE IN SOUTH LIGHTPOLE BASE
LOCATED SOUTH EAST OF PARKING LOT OFF OF WINTON ROAD SOUTH
ELEV. = 492.28'

BM-5 : NORTH BONNET BOLT OF FIRE HYDRANT
LOCATED NORTH OF BUCKLAND CREEK AT WINTON ROAD SOUTH.
ELEV. = 488.83'

BM-6 : CHISELED SQUARE CORNER OF CONCRETE PAD
LOCATED THE EAST ENTRANCE OF THE HS BUILDING AT TENNINS COURTS
ELEV. = 487.38'

BM-7 : CHISELED 'X' IN SOUTH WEST CORNER OF TRAFFIC SIGNAL BOX
LOCATED BETWEEN TREE ROW AND WINTON ROAD SOUTH
ELEV. = 490.80'

BM-8 : NORTH EAST BOLT OF LIGHT POLE
LOCATED EAST OF THE TWO STORY WOOD FRAME BUILDING
ELEV. = 491.52'

SURVEY VERIFICATION/COORDINATION - BRIGHTON HIGH SCHOOL

CONTRACTOR IS RESPONSIBLE FOR VERIFICATION / COORDINATION OF ALL INFORMATION (BENCHMARKS, ELEVATIONS, UTILITIES, ELEMENTS, TREES, ETC.) SHOWN ON THIS SURVEY AND CALIBRATING THIS INFORMATION WITH ACTUAL "IN THE FIELD" DATA. THIS SURVEY IS PROVIDED FOR THE BENEFIT OF THE CONTRACTOR AND GENERAL DESIGN INTENT IS SHOWN. NO ADDITIONAL COSTS WILL BE ALLOWED SHOULD INFORMATION SHOWN ON THE SURVEY AND FIELD DATA VARY.

SITE PREPARATION and CONSTRUCTION NOTES - BRIGHTON HIGH SCHOOL

1. EXISTING LAWN AREA REMAINS. PROTECT.
2. STRIP EXISTING TOPSOIL AND STOCK PILE FOR REUSE ONSITE IN AN AREA AS SHOWN ON PLANS OR AS DIRECTED BY THE OWNER. TEMPORARILY SEED ENTIRE PILE IMMEDIATELY AND SURROUND WITH SILT FENCE.
3. EXISTING VEGETATION REMAINS. PROTECT AT ALL TIMES AS SHOWN ON THE PLANS AND AS SPECIFIED. DO NOT PARK VEHICLES/EQUIPMENT OR STORE MATERIALS WITHIN DRIP LINES OF TREES.
4. REMOVE EXISTING VEGETATION, INCLUDING ALL STUMPS AND ROOTS AND DISPOSE OFF SITE. BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL COMPACTED TO MINIMUM 95% OF IN PLACE DRY DENSITY.
5. EXISTING PAVEMENT REMAINS. PROTECT. REPLACE ANY PAVEMENT DAMAGED DURING CONSTRUCTION
6. REMOVE EXISTING PAVEMENT SURFACE AND REMOVE GRANULAR BASE COURSE AND HAUL OFF SITE.
7. EXISTING SITE UTILITY REMAINS. PROTECT.
8. REMOVE EXISTING SITE UTILITY DISPOSE OFF SITE AND BACK FILL VOID WITH IMPORTED GRANULAR BACKFILL, COMPACTED TO MINIMUM 95% OF IN PLACE DRY DENSITY.
9. EXISTING SITE FEATURE REMAINS. PROTECT.
10. REMOVE EXISTING SITE FEATURE AND DISPOSE OFF SITE, INCLUDING ANY ASSOCIATED FOOTINGS OR UNDERDRAINS. BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL COMPACTED TO 95% OF IN PLACE DRY DENSITY.
11. REMOVE EXISTING SITE FEATURE AND RETURN TO OWNER.
12. SAW CUT NEAT, STRAIGHT EDGE. PRIOR TO PAVING. AT SIDEWALKS REMOVE AT NEAREST SCORE JOINT.
13. VERIFY LOCATION, ELEVATION, INVERT AND TYPE OF EXISTING PIPE PRIOR TO CONSTRUCTION. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCY IMMEDIATELY.
14. ADJUST UTILITY TO FINISHED GRADE. FURNISH ALL LABOR AND MATERIAL TO ACCOMPLISH.
15. MEET EXISTING LINE AND GRADE.
16. SLIP DOUEL NEW CONCRETE WALK INTO EXISTING CONCRETE WALK OR BUILDING FOUNDATION WALL WITH No. 4 SLIP DOUEL, 18" LONG, 12" O.C., 2" CLEAR MINIMUM FROM SURFACE. INSERT DOUELS EQUAL LENGTH INTO EXISTING AND NEW CONCRETE. PROVIDE EXPANSION JOINT AND SEALANT.
17. ALIGN NEW EDGE WITH EXISTING.
18. CAP END SILT TIGHT.
19. PROVIDE HOT TAR ASPHALT CRACK SEALER BETWEEN EXISTING AND NEW ASPHALT JOINT.
20. CAMERA SCOPE AND JET WASH EXISTING STORM PIPE FOR FREE FLOWING CONDITION. NOTIFY ARCHITECT OF ANY EXISTING DAMAGE IMMEDIATELY.
21. PROVIDE FERNCO COUPLER OR SIMILAR SILT TIGHT JOINT BETWEEN EXISTING PIPE AND NEW STORM PIPE. ALLOW INSPECTION BY ARCHITECT PRIOR TO BACKFILLING. NOTIFY ARCHITECT WHEN READY TO BACKFILL. WHEN CONNECTING DISSIMILAR PIPES, PROVIDE MARMAC DISSIMILAR PIPE COUPLER.
22. CORE INTO EXISTING STRUCTURE TO ALLOW INSTALLATION OF PROPOSED PIPE. MORTAR VOID BETWEEN OUTSIDE OF PIPE WALL TO STRUCTURE EDGE WATER TIGHT. CLEAN EXISTING STRUCTURE OF ANY DEBRIS PRIOR TO INSTALLATION OF NEW PIPE.
23. FURNISH AND INSTALL ALL FENCING, POSTS, HARDWARE, AND CONCRETE FOOTINGS NECESSARY TO MAKE TRANSITION FROM PROPOSED FENCE TO EXISTING FENCE. MATCH HEIGHT OF EXISTING FENCE UNLESS OTHERWISE SHOWN ON THE PLANS.
24. MILL EXISTING ASPHALT MATERIAL TO 1-½" DEPTH MINIMUM. REMOVE AND HAUL OFFSITE. REPLACE ANY PAVEMENT DAMAGED DURING CONSTRUCTION WITH SAME MATERIAL AS ADJACENT, AND AS DIRECTED BY THE ARCHITECT. REPAIR ANY CRACKED OR DISPLACED PAVEMENT BENEATH MILLINGS TO PROVIDE A STABLE BASE SATISFACTORY TO THE ARCHITECT AS DETAILED AND SPECIFIED. SWEEP, POWERWASH AND CLEAN ENTIRE MILLED SURFACE. INSTALL NYSDOT APPROVED TACK COAT TO MILLED SURFACE AND PAVE AS DETAILED AND SPECIFIED.
25. REMOVE ASPHALT AND 2" EXISTING BASE STONE AND HAUL OFF SITE. FINE GRADE AND TOP DRESS EXISTING STONE SUBBASE WITH MINIMUM 2" NEW IMPORTED BASE STONE TO MEET PROPOSED GRADES PER PLAN, COMPACT TO 95% IN PLACE DRY DENSITY AND INSTALL ASPHALT AS SHOWN ON THE DETAILS.
26. REMOVE AND DISPOSE OFFSITE ANY FIELD UNDERDRAINS, STORM UTILITIES, IRRIGATION SYSTEMS WITHIN ATHLETIC FIELD WORK AREA. BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL COMPACTED TO 95% IN PLACE DRY DENSITY.
27. SITE CONTRACTOR TO REMOVE EXISTING IRRIGATION HEADS, SUPPLY LINES, VALVES, UNDERDRAINS, ELECTRICAL CONDUIT, WIRING, CONCRETE FOOTINGS/ BASES OR STRUCTURES THAT ARE IN CONFLICT WITH THE PROPOSED SITE WORK AT NO ADDITIONAL COSTS TO THE OWNER. BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL COMPACTED TO 95% OF IN PLACE DRY DENSITY.
28. PRIOR TO INSTALLING GRANITE CURB, STAKE OUT PROPOSED LOCATIONS OF ALL GRANITE CURB AND TEMPORARILY PAINT THE STONE SUBBASE WITH PARALLEL PARKING SPACE, RADIUSES, AND PARKING SPACES AT EACH END OF THE PARKING LOT. NOTIFY ARCHITECT AND OWNER ONCE CURB IS STAKED. OWNER TO TEST NEW DRIVE RADIUSES PRIOR TO INSTALLATION OF GRANITE CURB. ADJUST LAYOUT OF CURB AS NECESSARY BASED ON OWNER FIELD TEST AND AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST.
29. PROVIDE COMPLETE TEMPORARY STRIPING OF BINDER COURSE ASPHALT TO ALLOW OWNER TO PRACTICE AND VERIFY PARKING ALONG DROP OFF LOOP PRIOR TO INSTALLING TOP COURSE ASPHALT AND PERMANENT STRIPING. MAKE ANY MODIFICATIONS TO STRIPING REQUIRED BY OWNER. TAKE DETAILED MEASUREMENTS OF FINAL APPROVED LAYOUT TO BE PAINTED ON TOP COURSE ASPHALT.
30. CONTRACTOR SHALL FIELD LOCATE CONTINUATION AND DETERMINE LOCATION OF STORM PIPE/UTILITY AND NOTIFY ARCHITECT OF FINDINGS. PROVIDE FULL REMOVAL OR RECONNECTION INTO PROPOSED STORM SYSTEM AS DIRECTED BY THE ARCHITECT BASED ON LOCATION. FURNISH ALL MATERIALS, LABOR, AND EQUIPMENT TO ACCOMPLISH AT NO ADDITIONAL COST TO THE OWNER.
31. BUILDING AND FOUNDATION TO BE REMOVED IN THEIR ENTIRETY AND DISPOSED OFFSITE. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES/MUNICIPALITIES AS AS NEEDED FOR ALL UTILITY DISCONNECTIONS AND REMOVALS. ALL NON-ABATEMENT REMOVALS AND DISPOSAL OF ITEMS BY THIS CONTRACTOR. FILL VOID WITH 95% COMPACTED GRANULAR MATERIAL AS SPECIFIED. ABATEMENT REMOVAL BY OTHERS.
32. POWER WASH, SWEEP, AND CLEAN EXISTING ASPHALT OF ALL LOOSE MATERIAL, VEGETATION, OILS/GAS STAINS AND SPILLS. PROVIDE ASPHALT CRACK SEALER ON ALL PAVEMENT CRACKS, SEAL ALL PAVEMENT AS SPECIFIED. VERIFY NEW STRIPING WITH OWNER PRIOR TO TAINTING/RESTRIPING.
33. VERIFY FINAL GATE LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
34. MILL ASPHALT 12" FROM EXISTING CURB TO MAINTAIN CURB STABILITY DURING PAVEMENT REPLACEMENT.
35. ALL NEW ELECTRICAL WORK BY OTHERS, SEE M.E.P. DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BACKFILLING, COMPACTION, AND SURFACE RESTORATIONS FROM ELECTRICAL WORK, AS PER DRAWINGS AND SPECIFICATIONS.
36. CAP END WATER TIGHT.
37. INSTALL BLACK PRIVACY SLATS AS SPECIFIED ON FENCE AND GATES
38. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION
39. CONTRACTOR SHALL RELOCATE STORAGE CONTAINERS TO LOCATION AS DETERMINED BY THE OWNER. CONTRACTOR SHALL RETURN STORAGE CONTAINERS TO ORIGINAL LOCATION AS DIRECTED BY THE OWNER AT COMPLETION OF PROJECT.

PARKING SUMMARY - BRIGHTON HIGH SCHOOL

LOT	EXISTING	PROPOSED	HC
WEST LOT	251	296 (+45)	8 (+2)
EAST LOT	53	82 (+29)	5 (+5)
TOTAL CAR PARKING	304	378 (+74)	13 (+7)

PLANT LIST - BRIGHTON HIGH SCHOOL

KEY	BOTANICAL NAME	COMMON NAME	QTY.	ROOT & SIZE##	SPACING
AR	ACER RUBRUM ' OCTOBER GLORY'	RED MAPLE 'OCTOBER GLORY'	10	2-2½" CAL.	AS SHOWN
CO	CELTIS OCCIDENTALIS	COMMON HACKBERRY	3	2-2½" CAL.	AS SHOWN
JC	JUNIPERUS CHINENSIS 'HETZII'	HETZI COLUMNAR JUNIPER	5	No. 5 CONT	10' O.C.
PV	PANICUM VIRGATUM 'WARRIOR'	SWITCHGRASS 'WARRIOR'	225	No. 1 CONT	AS SHOWN

* PROVIDE VARIETY NOTED, DO NOT SUBSTITUTE WITH SPECIES
** PLANTS TO BE BALLED AND BURLAPPED UNLESS NOTED OTHERWISE
NOTE: FINAL PLACEMENT OF PLANTS TO BE FIELD DIRECTED BY ARCHITECT

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BRIGHTON CENTRAL SCHOOL DISTRICT

2023 CAPITAL IMPROVEMENT PROJECT - PHASE 2

HIGH SCHOOL
1150 WINTON ROAD
ROCHESTER, NY 14618

SED Control No. 26-01-01-04-0-002-029
SED Control No. 26-01-01-04-0-005-035

Key Plan

SEI design group
ENGAGE • IMAGINE • INSPIRE
585.442.7010 - 224 Mill St. - Rochester, NY 14614
518.435.2467 - 187 Wolf Rd., Suite 304 - Albany, NY 12205
607.304.4550 - 2 Court St., Suite 404 - Binghamton, NY 13901

appel osborne landscape architecture
332 West Division Street, Suite 200
Syracuse, NY 13204 | (315) 476-1022
The Silos at 56 Elk Street, Suite 400
Buffalo, NY 14210 | (315) 476-1022

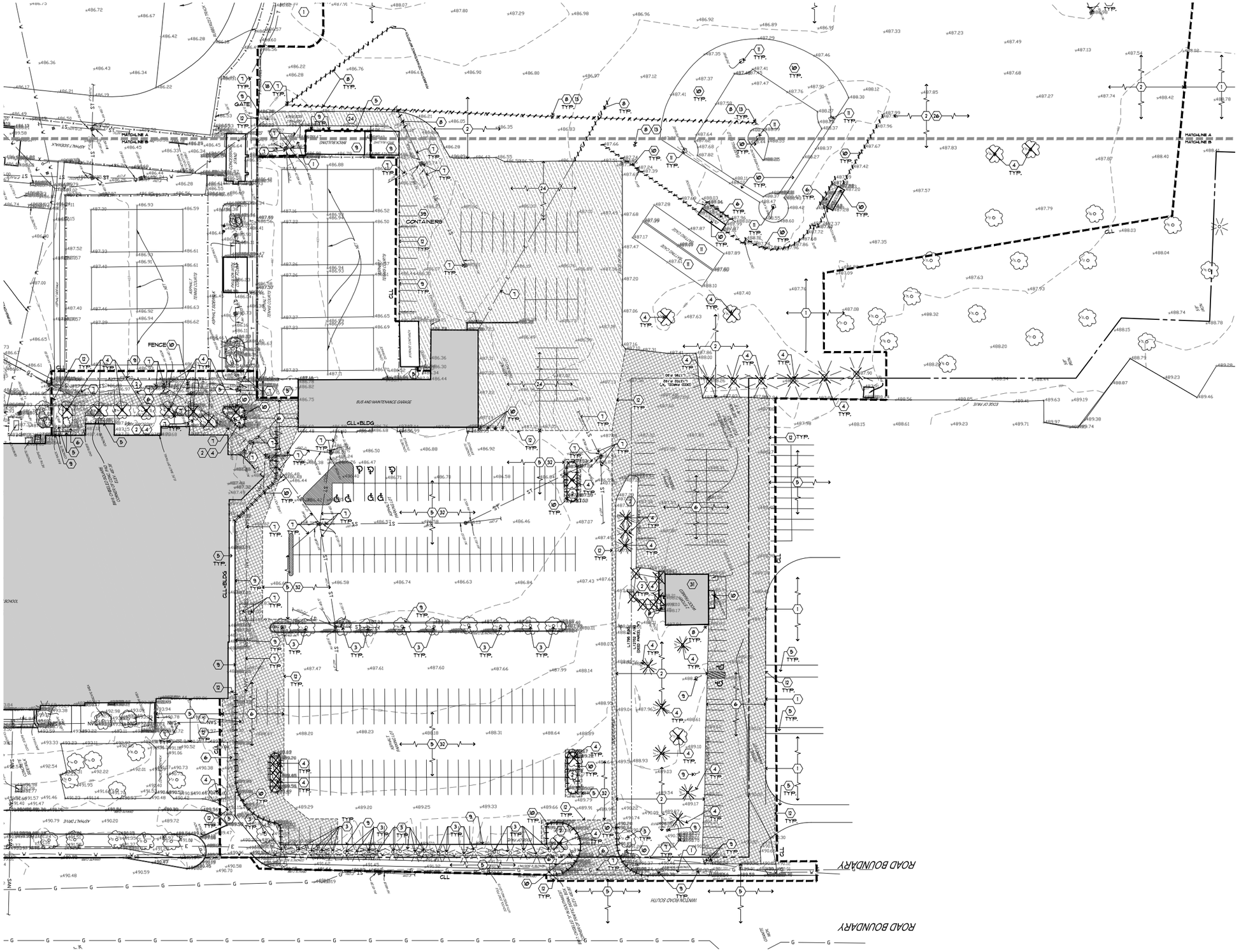
REGISTERED LANDSCAPE ARCHITECT CARL MICHAEL JENNE 002091 STATE OF NEW YORK

Registration current through 9/30/2028

I hereby certify that these plans, specifications and/or reports were prepared by me or under my direct supervision and that I am a duly licensed professional engineer/architect/landscape architect under the laws of the State of New York. I am aware that any unauthorized alteration of the seal and signature on these documents is a violation of the law. Any alteration, by any party, must be noted in the record drawings.

CONSTRUCTION DOCUMENTS

Date	SEI Project No.
10/08/



SITE PREPARATION PLAN AREA A

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BRIGHTON CENTRAL SCHOOL DISTRICT

Brighton CENTRAL SCHOOLS

2023 CAPITAL IMPROVEMENT PROJECT - PHASE 2

HIGH SCHOOL
1150 WINTON ROAD
ROCHESTER, NY 14618

SED Control No.	26-01-01-06-0-002-029
SED Control No.	26-01-01-06-0-003-035

Key Plan

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REGISTERED LANDSCAPE ARCHITECT
CORY MICHAEL JENNER
002090
STATE OF NEW YORK

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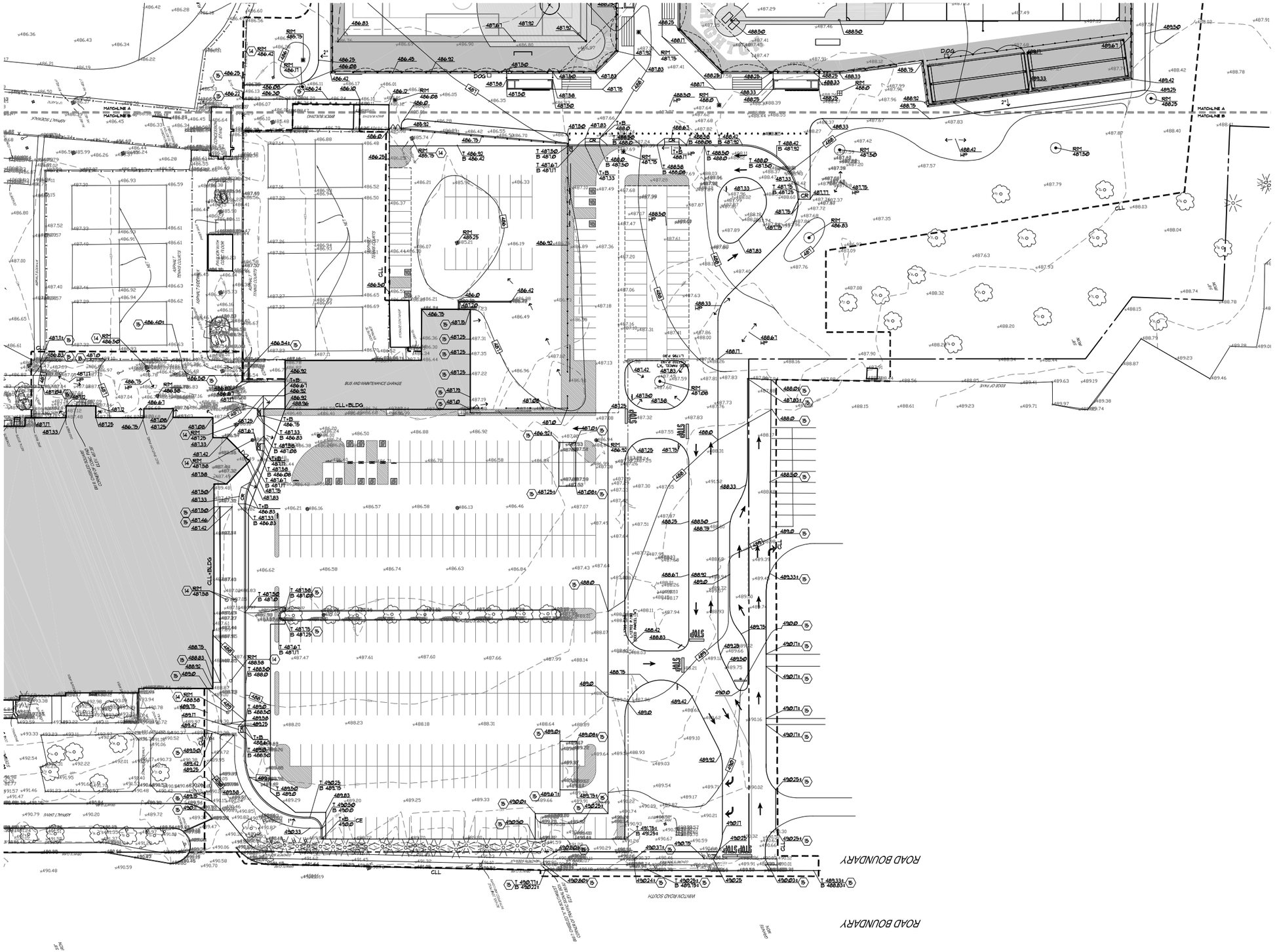
CONSTRUCTION DOCUMENTS

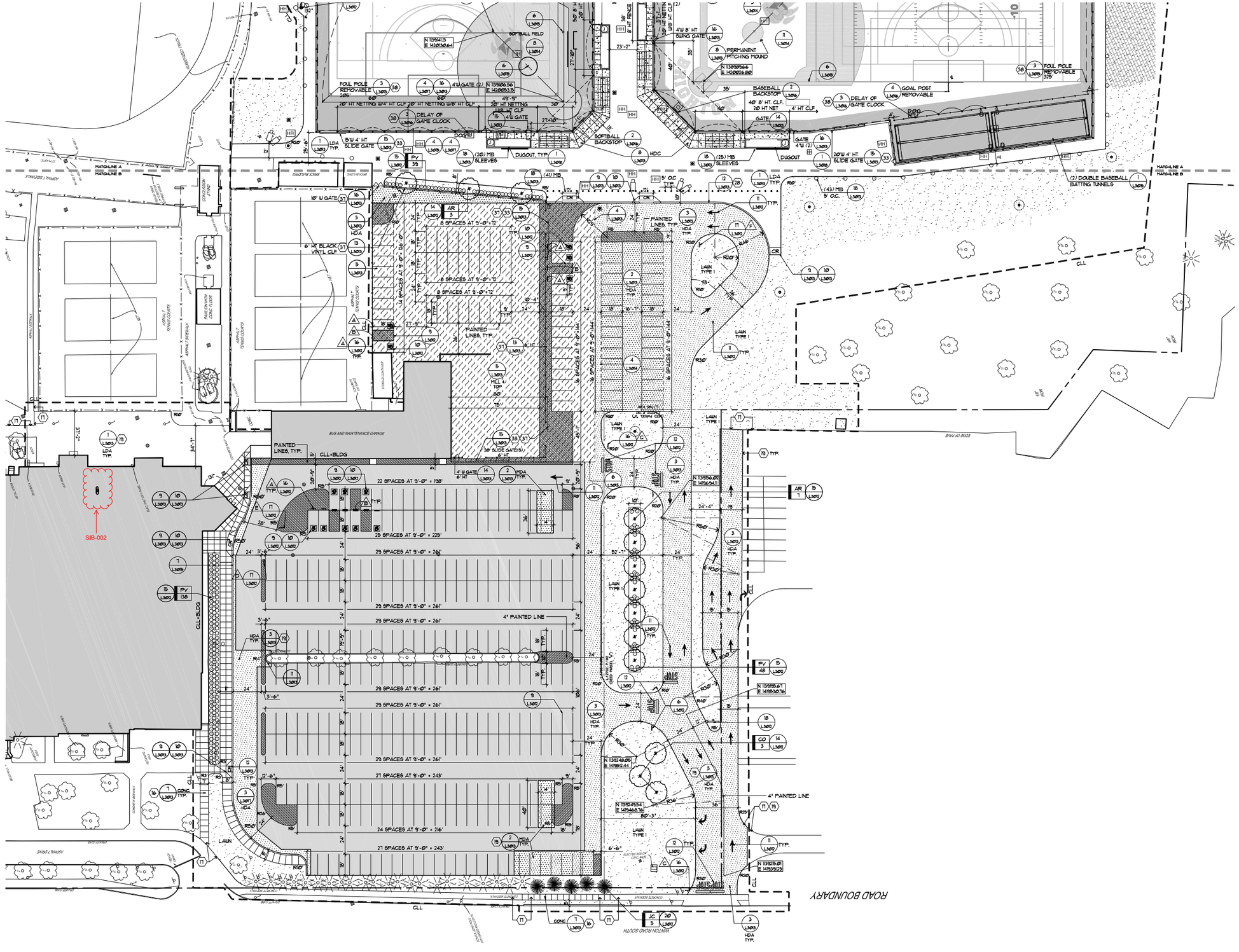
Date	10/08/2025	SEI Project No.	23-4312

Revisions

SITE PREPARATION PLAN AREA A

L3002


BUS AND MAINTENANCE GARAGE
CLL-BLDG
CLL
ROAD BOUNDARY
ROAD BOUNDARY
WINTON ROAD SOUTH
DOG
DOG
MATCHLINE A
MATCHLINE A
MATCHLINE B
MATCHLINE B
ASPHALT TENNIS COURTS
ASPHALT TENNIS COURTS
ASPHALT TENNIS COURTS
ASPHALT TENNIS COURTS
CONCRETE TENNIS COURTS
CONCRETE TENNIS COURTS
BRICK BUILDING
BRICK BUILDING
STOP
STOP
STOP



BRIGHTON HIGH SCHOOL - SITE LAYOUT PLAN A

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BRIGHTON CENTRAL SCHOOL DISTRICT

Brighton CENTRAL SCHOOLS

2023 CAPITAL IMPROVEMENT PROJECT - PHASE 2

HIGH SCHOOL
1150 WINTON ROAD
ROCHESTER, NY 14618

SED Control No. 26401401040400029
SED Control No. 26401401040400035

Key Plan

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REGISTERED LANDSCAPE ARCHITECT
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STATE OF NEW YORK

Registration current through 9/30/2028

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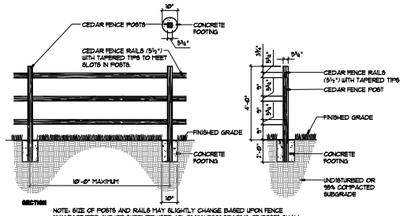
CONSTRUCTION DOCUMENTS

Date 10/08/2025 SEI Project No. 23-4312

Revisions

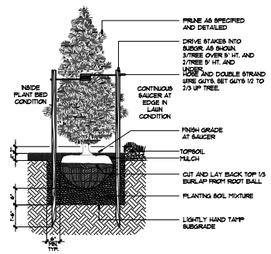
SITE LAYOUT PLAN AREA A

L3010

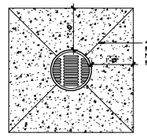


NOTE: SIZE OF POSTS AND RAILS MAY SLIGHTLY CHANGE BASED UPON FENCE MANUFACTURER AND/OR SUPPLIER USED. 10'-0" MAXIMUM SPACING OF POSTS SHALL NOT CHANGE.

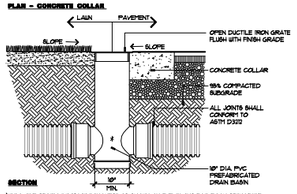
1 L-501 SPLIT RAIL FENCE
SECTION • NOT TO SCALE — SPLIT RAIL FENCE
APPEL OSBORNE LANDSCAPE ARCHITECTURE



2 L-501 EVERGREEN TREE PLANTING
SECTION • NOT TO SCALE — 2501-0105
APPEL OSBORNE LANDSCAPE ARCHITECTURE

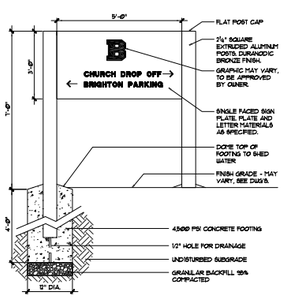


PLAN – CONCRETE COLLAR



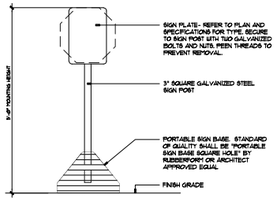
4 PROVIDE STORM DRAIN "BRANCHES" AS SHOWN ON THE PLANS FOR EACH STRUCTURE

3 L-501 10" PVC DRAIN BASIN – FLUSH TOP = AD
SECTION and PLAN • NOT TO SCALE — 3340-304C
APPEL OSBORNE LANDSCAPE ARCHITECTURE



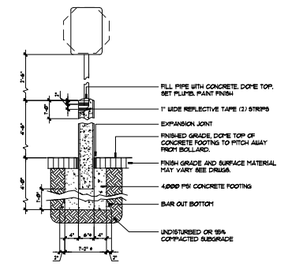
NOTE: EXACT SIGN LOCATIONS AND TEXT TO BE DETERMINED ON SITE BY ARCHITECT

4 L-501 DIRECTIONAL SIGN
SECTION • NOT TO SCALE — 3340-306A
APPEL OSBORNE LANDSCAPE ARCHITECTURE

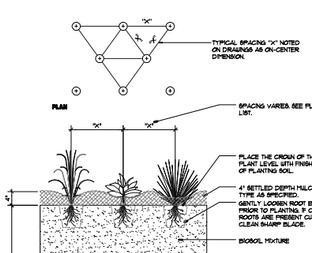


SIGN SCHEDULE	MOUNTING HEIGHT*
RESERVED HANDICAPPED PARKING	4'-0"
NO PARKING ANYTIME	4'-0"
STOP	7'-0"
ONE WAY	7'-0"
DO NOT ENTER	7'-0"

5 L-501 PORTABLE TRAFFIC SIGN
SECTION • NOT TO SCALE — 3340-308B
APPEL OSBORNE LANDSCAPE ARCHITECTURE

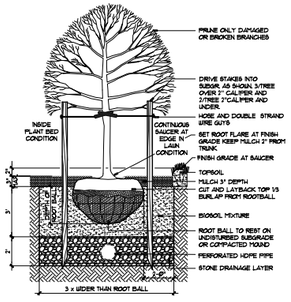


6 L-501 TRAFFIC SIGN WITH METAL BOLLARD=TMB
SECTION • NOT TO SCALE — 3340-308C
APPEL OSBORNE LANDSCAPE ARCHITECTURE

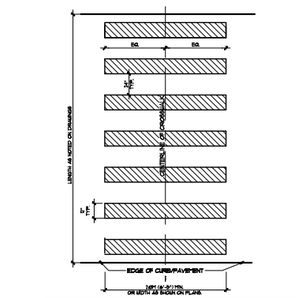


NOTE: PLANT BULBS IN TRENCHES AND BOUQUET PLANTING GROUPS.

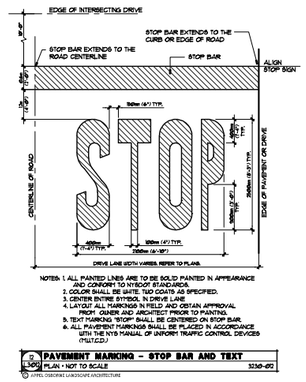
7 L-501 GROUNDCOVER PLANT SPACING
SECTION • NOT TO SCALE — 2501-0101
APPEL OSBORNE LANDSCAPE ARCHITECTURE



8 L-501 DECIDUOUS TREE PLANTING – SINGLE STEM
SECTION • NOT TO SCALE — 2501-0101
APPEL OSBORNE LANDSCAPE ARCHITECTURE

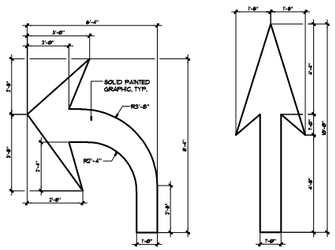


9 L-501 CROSS WALK STRIPING
PLAN • NOT TO SCALE — 3340-311
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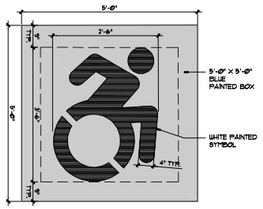


NOTES: 1. ALL PAINTED LINES ARE TO BE SOLID PAINTED IN APPEARANCE AND CONFORM TO NYSDOT STANDARDS.
2. COLOR SHALL BE WHITE. TWO COATS AS SPECIFIED.
3. CENTER ENTIRE SYMBOL IN DRIVE LANE
4. LAYOUT ALL MARKINGS IN FIELD AND OBTAIN APPROVAL FROM OWNER AND ARCHITECT PRIOR TO PAINTING.
5. TEXT MARKING "STOP" SHALL BE CENTERED ON STOP BAR.
6. ALL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH THE NYS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD.)

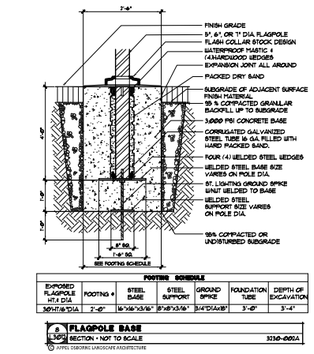
10 L-501 PAVEMENT MARKING – STOP BAR AND TEXT
PLAN • NOT TO SCALE — 3340-312
APPEL OSBORNE LANDSCAPE ARCHITECTURE



11 L-501 NYSDOT PAINTED ARROWS
PLAN • NOT TO SCALE — 3340-310C
APPEL OSBORNE LANDSCAPE ARCHITECTURE

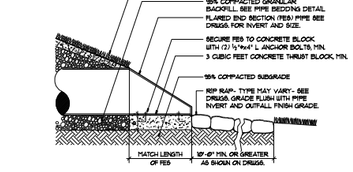


12 L-501 PAINTED RESERVE PARKING SYMBOL
PLAN • NOT TO SCALE — 3340-308A
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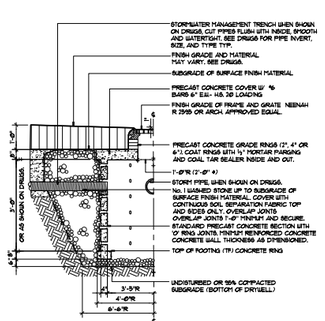


FOOTING SCHEDULE						
EXPOSED FLAGPOLE HT.+ DIA.	FOOTING #	STEEL BASE	STEEL SUPPORT	GROUND SPIKE	FOUNDATION TUBE	DEPTH OF EXCAVATION
30'HT.@ 7"DIA.	2'-0"	16"x16"x5/8"	8"x8"x3/16"	3/4"DIA.x18"	3'-0"	3'-4"

13 L-501 FLAGPOLE BASE
SECTION • NOT TO SCALE — 3340-330A
APPEL OSBORNE LANDSCAPE ARCHITECTURE

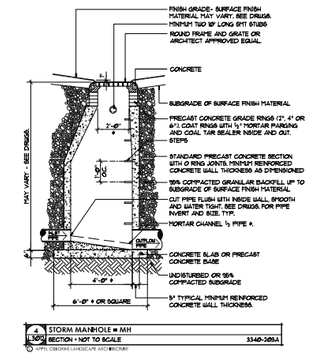


14 L-501 BASIN OUTLET STRUCTURE = BOS
SECTION • NOT TO SCALE — 3340-316A
APPEL OSBORNE LANDSCAPE ARCHITECTURE

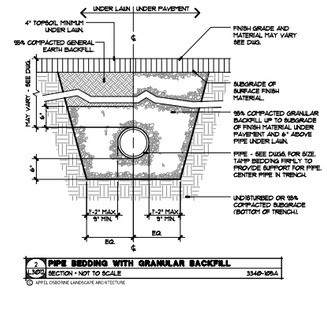


15 L-501 DRYWELL = DW
SECTION • NOT TO SCALE — 3340-324A
APPEL OSBORNE LANDSCAPE ARCHITECTURE

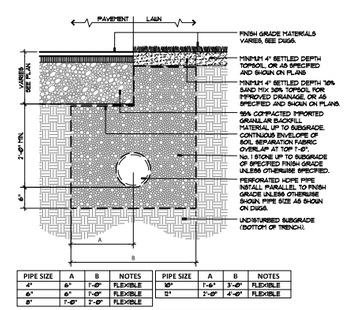
16 L-501 FLARED END SECTION WITH RIP RAP = FES
SECTION • NOT TO SCALE — 3340-284
APPEL OSBORNE LANDSCAPE ARCHITECTURE



17 L-501 STORM MANHOLE = MH
SECTION • NOT TO SCALE — 3340-305A
APPEL OSBORNE LANDSCAPE ARCHITECTURE



18 L-501 PIPE BEDDING WITH GRANULAR BACKFILL
SECTION • NOT TO SCALE — 3340-309A
APPEL OSBORNE LANDSCAPE ARCHITECTURE



19 L-501 STORM INLET – SI
SECTION • NOT TO SCALE — 3340-320A
APPEL OSBORNE LANDSCAPE ARCHITECTURE

PIPE SIZE	A	B	NOTES	PIPE SIZE	A	B	NOTES
4"	6"	1'-0"	FLEXIBLE	18"	1'-6"	3'-0"	FLEXIBLE
6"	6"	1'-0"	FLEXIBLE	21"	2'-0"	4'-0"	FLEXIBLE
8"	7'-0"	2'-0"	FLEXIBLE				

20 L-501 STORMWATER MGMT TRENCH = SMT
SECTION • NOT TO SCALE — 3340-100
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BRIGHTON CENTRAL SCHOOL DISTRICT

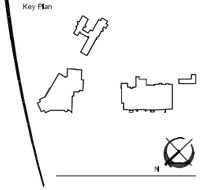
Brighton CENTRAL SCHOOLS

2023 CAPITAL IMPROVEMENT PROJECT - PHASE 2

HIGH SCHOOL
1150 WINTON ROAD
ROCHESTER, NY 14618

SED Control No. 26401-01-06-04-0-029
SED Control No. 26401-01-06-04-0-035

Key Plan



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518.435.2467 - 187 Wolf Rd., Suite 304 - Albany, NY 12205
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appel osborne landscape architecture
102 West Division Street, Suite 200 Syracuse, NY 13204 | 315.476.1022
The Sites at 50 Elk Street, Suite 480 Buffalo, NY 14210 | (315) 476-1022

REGISTERED LANDSCAPE ARCHITECT — MICHAEL J. BENNETT — 002097 — STATE OF NEW YORK

Registration current through 9/30/2028

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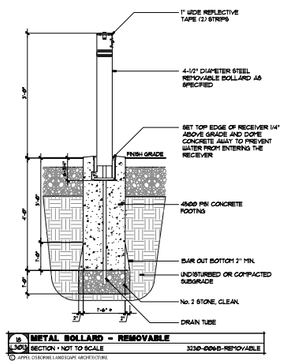
CONSTRUCTION DOCUMENTS

Date 10/08/2025 — SEI Project No. 23-4312

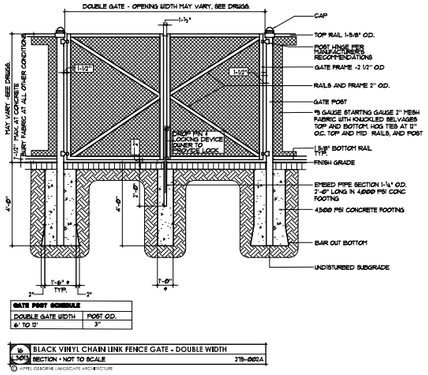
Revisions

SITE DETAILS

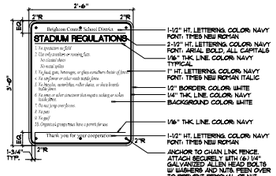
L3012



10 — METAL BOLLARD - REMOVABLE
SECTION • NOT TO SCALE — 323d0-0065-REMOVABLE
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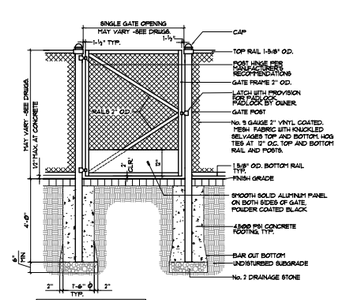
9 — BLACK VINYL CHAIN LINK FENCE GATE - DOUBLE WIDTH
SECTION • NOT TO SCALE — 278-0601A
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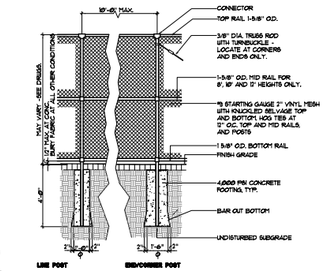
NOTE: PROVIDE FULL SIZE SHOP DRAWINGS FOR APPROVAL.
INSTALL 2 SIGNS (BACK TO BACK) AT EACH GATE LOCATION TO TURF FACILITIES.
SIGNS AS SHOWN ON PLANS. INSTALL ON FENCE AND ANCHOR SECURELY WITH VANDAL RESISTANT HARDWARE.
SIGNS SHALL BE ALUMINUM SHEETS .090" (APPROX. 3/32") THICK, WITH TWO COATS OF DUPONT TYRON SPRAY REPELLOSE PAINT.
LETTERS AND LINES SHALL BE ENGINEERING GRADE (EG) REFLECTIVE.

11 — TURF REGULATION SIGN
SECTION • NOT TO SCALE — 323d0-716
© APPEL OSBORNE LANDSCAPE ARCHITECTURE

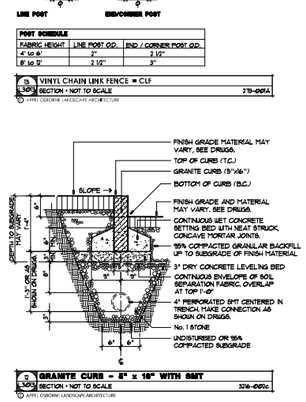
8 — CHAIN LINK CANTILEVERED SLIDE GATE
NOT TO SCALE — 278-098
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



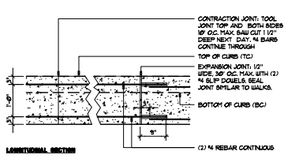
14 — VINYL CHAIN LINK FENCE GATE - SINGLE WIDTH
SECTION • NOT TO SCALE — 278-093
© APPEL OSBORNE LANDSCAPE ARCHITECTURE

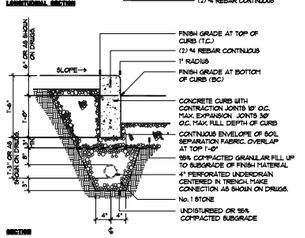


13 — VINYL CHAIN LINK FENCE = CLF
SECTION • NOT TO SCALE — 278-098A
© APPEL OSBORNE LANDSCAPE ARCHITECTURE

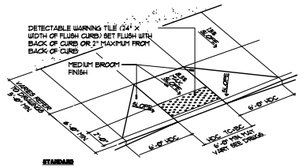


12 — GRANITE CURB - 5" x 16" WITH SMT
SECTION • NOT TO SCALE — 329-0601c
© APPEL OSBORNE LANDSCAPE ARCHITECTURE

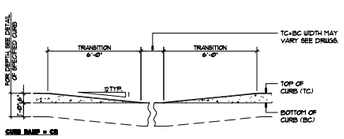




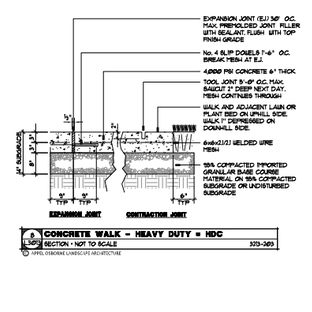
7 — CONCRETE CURB - STANDARD WITH SMT
SECTION • NOT TO SCALE — 323-0605c
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



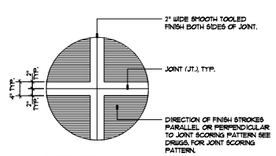
10 — CURB RAMP WITH DETECTABLE WARNING SYSTEM
ANCHORETEC • NOT TO SCALE — 323-096
© APPEL OSBORNE LANDSCAPE ARCHITECTURE

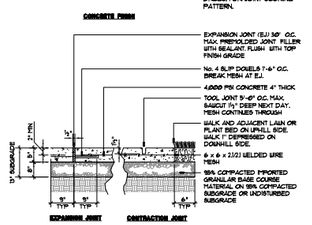


9 — CURB RAMP AND CURB ENDING = CR/CE
SECTION • NOT TO SCALE — 323-0601
© APPEL OSBORNE LANDSCAPE ARCHITECTURE

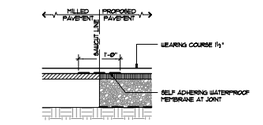


6 — CONCRETE WALK - HEAVY DUTY = HDC
SECTION • NOT TO SCALE — 323-069
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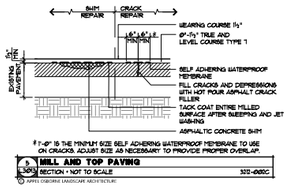




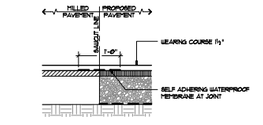
7 — CONCRETE WALK
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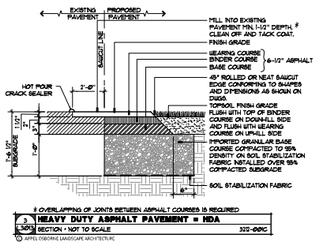
6 — MILLED PAVEMENT TO NEW PAVEMENT TRANSITION
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© APPEL OSBORNE LANDSCAPE ARCHITECTURE



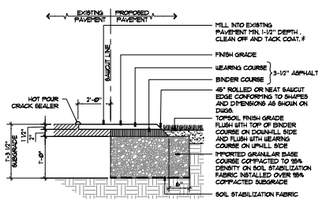
1 — MILL AND TOP PAVING
SECTION • NOT TO SCALE — 322-0600C
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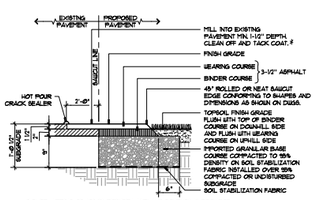
4 — MILLED PAVEMENT TO NEW PAVEMENT TRANSITION
SECTION • NOT TO SCALE — 322-0602A
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3 — HEAVY DUTY ASPHALT PAVEMENT = HDA
SECTION • NOT TO SCALE — 322-060C
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2 — MEDIUM DUTY ASPHALT PAVEMENT = MDA
SECTION • NOT TO SCALE — 322-060B
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1 — LIGHT DUTY ASPHALT PAVEMENT = LDA
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BRIGHTON CENTRAL SCHOOL DISTRICT

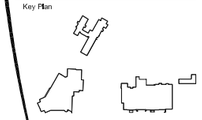
Brighton CENTRAL SCHOOLS

2023 CAPITAL IMPROVEMENT PROJECT - PHASE 2

HIGH SCHOOL
1150 WINTON ROAD
ROCHESTER, NY 14618

SED Control No. 26401401060000209
SED Control No. 26401401060000335

Key Plan



N

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CONSTRUCTION DOCUMENTS

Date 10/08/2025 SEI Project No. 23-4312

Revisions

SITE DETAILS

L3013

ATTACHMENT 2
Project-specific Community Air Monitoring Plan (CAMP)

PROJECT SPECIFIC COMMUNITY AIR MONITORING PLAN

Brighton Central School
NYSDEC Site No. 828235
Brighton, New York
July 2026 | Terracon Project No. J5267013

Prepared for:

Brighton Central School District
Brighton, New York

Prepared by:

Terracon Consultants-NY, Inc.
2410 Walden Ave Ste 100
Buffalo, New York

Terracon
Nationwide
Terracon.com
Facilities
Environmental
Geotechnical
Materials

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2.0 VOLATILE ORGANIC COMPOUND AIR MONITORING 1
3.0 PARTICULATE AIR MONITORING 2
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5.0 WIND DIRECTION 3

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EXHIBIT 2A – PROPOSED CAMP MONITOR LOCATIONS 2A

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APPENDIX A – GENERIC COMMUNITY AIR MONITORING PLAN 1A
APPENDIX B – FUGITIVE DUST AND PARTICULAT MONITORING 1B

INTRODUCTION

The CAMP requires real-time monitoring of volatile organic compounds (VOCs) and particulates (dust) at downwind perimeter of each designated work area. The CAMP will be implemented during any subsurface activities associated with interim remedial actions, remedial investigation, excavation or other site actions. This CAMP will be completed in general accordance with NYSDEC DER-10 Appendix 1A, as included in Attachment A. Proposed locations include one upwind and one downwind location within the working area. Monitoring points and map locations will be determined prior to intrusive activities. In addition, wind conditions will be observed during intrusive activities, which may influence the locations of the monitoring points.

VOLATILE ORGANIC COMPOUND (VOCS) AIR MONITORING

VOCs will be monitored at the downwind perimeter of the work area on a continuous basis and periodically during non-intrusive activities, as needed. VOC monitoring will be done using an organic vapor meter (OVM) equipped with a photoionization detector (PID) to provide real-time recordable air monitoring data.

VOCs will also be monitored and recorded at the downwind perimeter of the immediate work area(s). Upwind concentrations will be measured at the beginning of each day before activities begin and periodically throughout the day to establish background conditions. The downwind VOC monitoring device will also be checked periodically throughout the day to assess emissions and the need for corrective action. VOC monitoring action levels as per *DER-10 Technical Guidance for Site Investigations and Remediation* are as follows:

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

If the organic vapor level at the perimeter of the work area persists at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective

actions take to abate emissions and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less; but in no case than that 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shut down.

PARTICULATE AIR MONITORING

The remediation and/or investigation crew will make all efforts to suppress dust and particulate matter during the handling of contaminated soil. Fugitive dust and particulate monitoring will be completed in accordance with DER-10 Appendix 1B, as included in Attachment 1B. The following techniques have been shown to be effective for the controlling the generation and migration of dust during construction activities:

(a) Applying water on haul roads;
(b) Wetting equipment and excavation faces;
(c) Spraying water on buckets during excavation and dumping;
(d) Hauling materials in properly tarped or watertight containers;
(e) Restricting vehicle speeds to 10 mph;
(f) Covering excavated areas and material after excavation activity ceases; and/or
(g) Reducing the excavation size and/or number of excavations.

Care will be taken not to use excess water, which can result in unacceptably wet site conditions. Use of atomizing sprays will prevent overly wet conditions, conserve water and provide an effective means of suppressing fugitive dust.

Weather conditions will be evaluated during remedial work. When extreme wind conditions make dust control ineffective, as a last resort, remedial actions may need to be suspended.

Dust and particulate monitoring will be conducted near approximate upwind and downwind perimeters of the work area, when possible. If visual evidence of dust is apparent in other locations, monitoring equipment will be placed where necessary. Dust monitoring may be suspended during period of precipitation and snow cover.

Particulate air monitoring will be done with a DataRAM-4 (or similar), which will be capable of reading particles less than 10 micrometers in size (PM-10) and equipped with an audible alarm feature which will indicate exceedances. Dust monitoring devices will be recorded periodically throughout the day to assess emissions and the need for corrective actions. Particulate monitoring action levels as per *DER-10 Technical Guidance for Site Investigations and Remediation* is as follows:

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter ($\mu g/m^3$) greater than background for a 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 ($\mu g/m^3$) above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 ($\mu g/m^3$) above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m3 of the upwind level and in preventing visible dust migration.

DOCUMENTATION

All 15-minute readings will be recorded and be available for or State (NYSDEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

WIND DIRECTION

Prevailing wind direction will be recorded at the beginning of each work day by visual observations of an on-site windsock. As wind direction may change throughout the work day, direction will be reestablished if a significant change in direction is observed. The wind direction results will be utilized to determine the placement of the monitoring equipment.

EXHIBIT 2A
ENTRANCE AND PARKING LOT WORK AREA AND CAMP MONITOR LOCATIONS



DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project No.	J5267013
Scale:	AS SHOWN
Client:	Brighton Central School District
Date:	July 1, 2026

Terracon

70 Vantage Point Dr, Ste 1
Rochester, NY 14624

PROPOSED CAMP MONITOR LOCATIONS

Brighton CSD - Environmental Services
1150 Winton Road
Rochester, NY

Exhibit

2A

APPENDIX A
Attachment 1A
GENERIC COMMUNITY AIR MONTITORING PLAN

Appendix 1A
New York State Department of Health
Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. “Periodic” monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009

APPENDIX B
Attachment 1B
FUGITIVE DUST AND PARTICULATE MONITORING

Appendix 1B
Fugitive Dust and Particulate Monitoring

A program for suppressing fugitive dust and particulate matter monitoring at hazardous waste sites is a responsibility on the remedial party performing the work. These procedures must be incorporated into appropriate intrusive work plans. The following fugitive dust suppression and particulate monitoring program should be employed at sites during construction and other intrusive activities which warrant its use:

1. Reasonable fugitive dust suppression techniques must be employed during all site activities which may generate fugitive dust.

2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.

3. Particulate monitoring must be performed using real-time particulate monitors and shall monitor particulate matter less than ten microns (PM10) with the following minimum performance standards:

(a) Objects to be measured: Dust, mists or aerosols;
(b) Measurement Ranges: 0.001 to 400 mg/m3 (1 to 400,000 :ug/m3);
(c) Precision (2-sigma) at constant temperature: +/- 10 :g/m3 for one second averaging; and +/- 1.5 g/m3 for sixty second averaging;
(d) Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);
(e) Resolution: 0.1% of reading or 1g/m3, whichever is larger;
(f) Particle Size Range of Maximum Response: 0.1-10;
(g) Total Number of Data Points in Memory: 10,000;
(h) Logged Data: Each data point with average concentration, time/date and data point number
(i) Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;
(j) Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
(k) Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
(l) Operating Temperature: -10 to 50^{o} C (14 to 122^{o} F);
(m) Particulate levels will be monitored upwind and immediately downwind at the working site and integrated over a period not to exceed 15 minutes.

4. In order to ensure the validity of the fugitive dust measurements performed, there must be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the remedial party to adequately supplement QA/QC Plans to include the following critical features: periodic instrument calibration, operator training, daily instrument performance (span) checks, and a record keeping plan.

5. The action level will be established at 150 ug/m3 (15 minutes average). While conservative,

this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 ug/m3, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 ug/m3 above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see paragraph 7). Should the action level of 150 ug/m3 continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM10 at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed. Activities that have a high dusting potential--such as solidification and treatment involving materials like kiln dust and lime--will require the need for special measures to be considered.

7. The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities:

(a) Applying water on haul roads;
(b) Wetting equipment and excavation faces;
(c) Spraying water on buckets during excavation and dumping;
(d) Hauling materials in properly tarped or watertight containers;
(e) Restricting vehicle speeds to 10 mph;
(f) Covering excavated areas and material after excavation activity ceases; and
(g) Reducing the excavation size and/or number of excavations.

Experience has shown that the chance of exceeding the 150ug/m3 action level is remote when the above-mentioned techniques are used. When techniques involving water application are used, care must be taken not to use excess water, which can result in unacceptably wet conditions. Using atomizing sprays will prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

8. The evaluation of weather conditions is necessary for proper fugitive dust control. When extreme wind conditions make dust control ineffective, as a last resort remedial actions may need to be suspended. There may be situations that require fugitive dust suppression and particulate monitoring requirements with action levels more stringent than those provided above. Under some circumstances, the contaminant concentration and/or toxicity may require additional monitoring to protect site personnel and the public. Additional integrated sampling and chemical analysis of the dust may also be in order. This must be evaluated when a health and safety plan is developed and when appropriate suppression and monitoring requirements are established for protection of health and the environment.