

April 18, 2024

Ronnie E. Lee, P.E. New York State Department of Environmental Conservation Department of Environmental Remediation 625 Broadway Albany, New York 12233-7016

## RE: RAWP & RAWP Addendum Update 737 4<sup>th</sup> Avenue, Brooklyn, New York 11232 BCP #C224332

Dear Mr. Lee:

P.W. Grosser Consulting Engineer & Hydrogeologist, P.C. (PWGC) has prepared this letter to summarize recent progress of the remedial activities and discuss some proposed field modifications.

Construction of the barrier wall (RAWP Addendum #4) along the southeast perimeter of the site has been completed. During construction of the barrier wall, grout was found to have migrated west into several of the sentinel wells and ISCO wells, including SEN003, SEN004, SEN005, ISC005, and ISC006, which in result sealed the screened intervals at the water table. Based upon this observation, several test borings were performed further west to evaluate the extent of solidification from the permeation grouting. As shown on **Attachment 1**, three of the five soil borings encountered refusal at or near the water table interface suggesting potential presence of grout solidification.

Based upon the findings, PWGC recommends reinstalling SEN003, SEN004, SEN005, ISC005, and ISC006 further to the west outside of the barrier wall as shown on **Attachment 1**. Construction will match the previous design. In addition, several additional test borings will be performed in the vicinity of EP021 and SVE-1 to determine if these locations need to be relocated further to the west or if they can be installed as designed as the contamination in this area is located in the vadose zone.

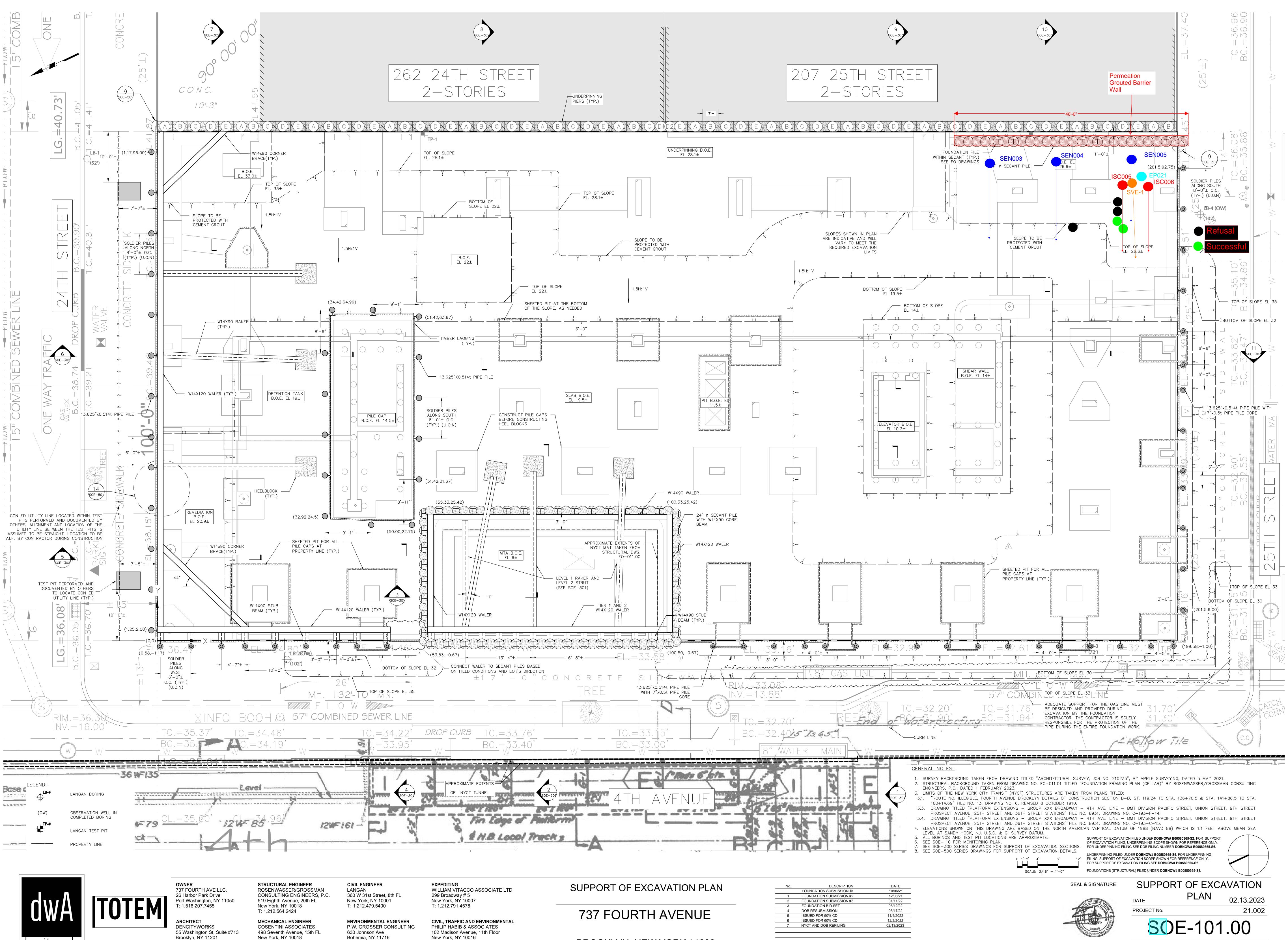


ATTACHMENT 1

P.W. GROSSER CONSULTING, INC • P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, PC

631.589.6353 • <u>WWW.PWGROSSER.COM</u> • PWGC.INFO@PWGROSSER.COM BOHEMIA • MANHATTAN • SARATOGA SPRINGS • MONTICELLO, NY • SYRACUSE • SHELTON, CT

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T: 1.646.690.0333

dencityworks

New York, NY 10018 T: 1.212.615.3600



Bohemia, NY 11716 T: 1.631.589.6353

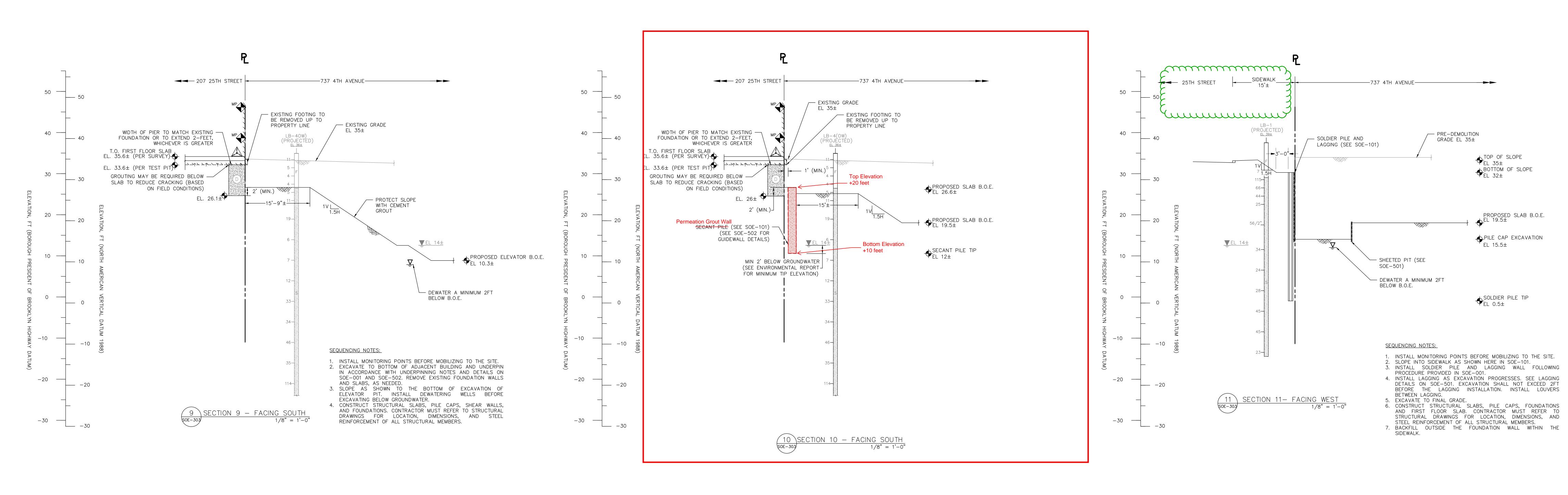
New York, NY 10016 T: 212.929.5656

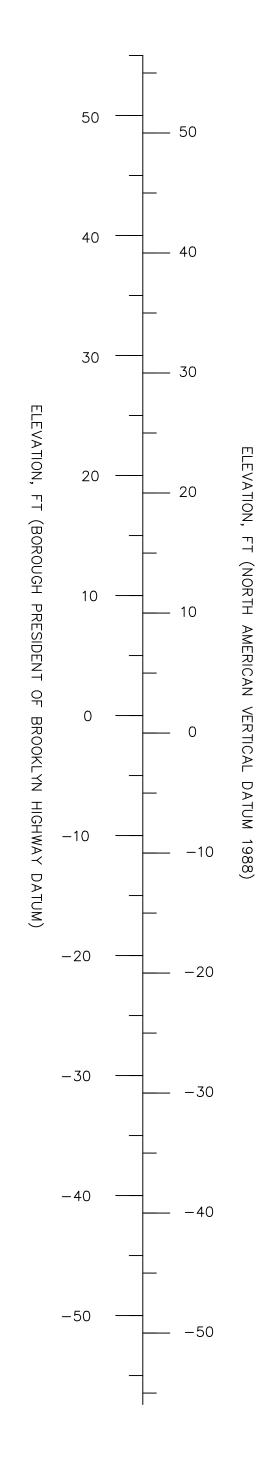
BROOKLYN, NEW YORK 11232

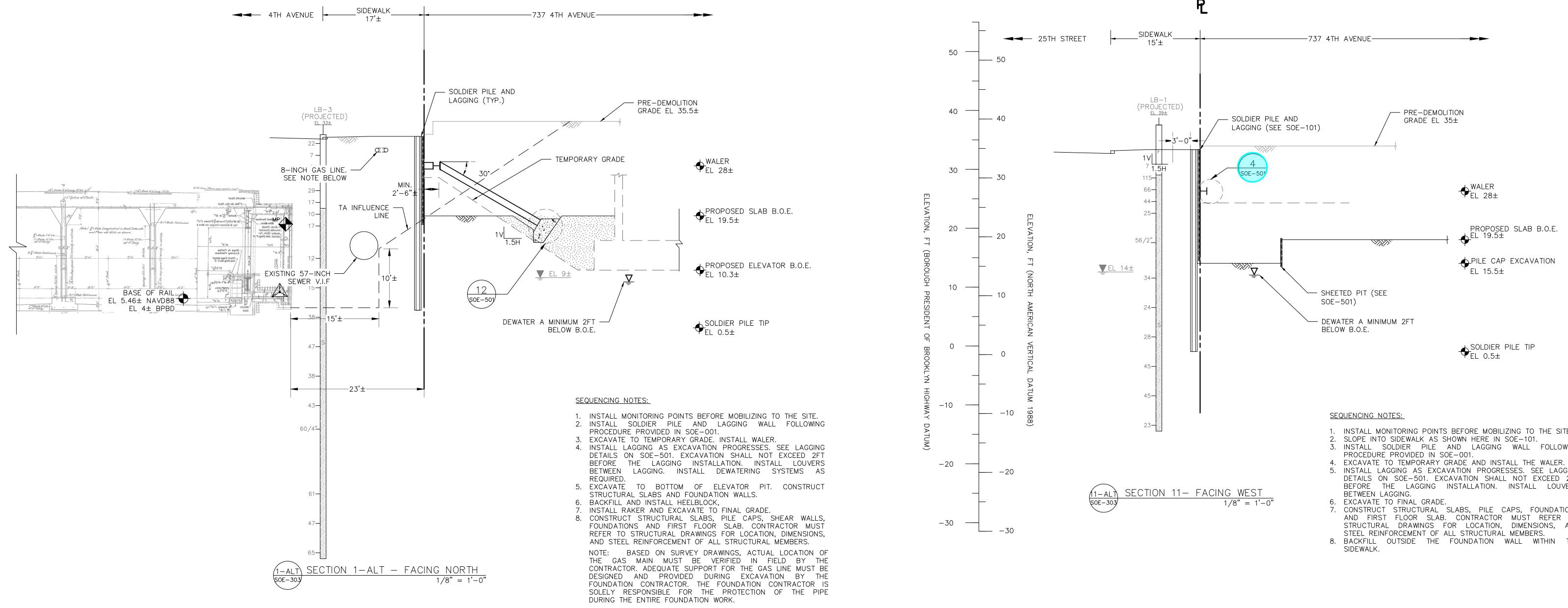


SCALE: 3/16"=1'-0'

DOB NOW# B00580365-S6 (UNDERPINNING) DOB NOW# B00580365-S2 (SUPPORT OF EXCAVATION)









OWNER 737 FOURTH AVE LLC. 26 Harbor Park Drive Port Washington, NY 11050 T: 1.516.207.7455

ARCHITECT DENCITYWORKS 55 Washington St, Suite #713 Brooklyn, NY 11201 T: 1.646.690.0333

STRUCTURAL ENGINEER ROSENWASSER/GROSSMAN CONSULTING ENGINEERS, P.C. 519 Eighth Avenue, 20th FL New York, NY 10018 T: 1.212.564.2424

MECHANICAL ENGINEER COSENTINI ASSOCIATES 498 Seventh Avenue, 15th FL New York, NY 10018 T: 1.212.615.3600

**CIVIL ENGINEER** LANGAN 360 W 31st Street, 8th FL New York, NY 10001 T: 1.212.479.5400

ENVIRONMENTAL ENGINEER P.W. GROSSER CONSULTING 630 Johnson Ave Bohemia, NY 11716 T: 1.631.589.6353

EXPEDITING WILLIAM VITACCO ASSOCIATE LTD 299 Broadway # 5 New York, NY 10007 T: 1.212.791.4578

CIVIL, TRAFFIC AND ENVIRONMENTAL PHILIP HABIB & ASSOCIATES 102 Madison Avenue, 11th Floor New York, NY 10016 T: 212.929.5656

SUPPORT OF EXCAVATION SECTIONS

737 FOURTH AVENUE

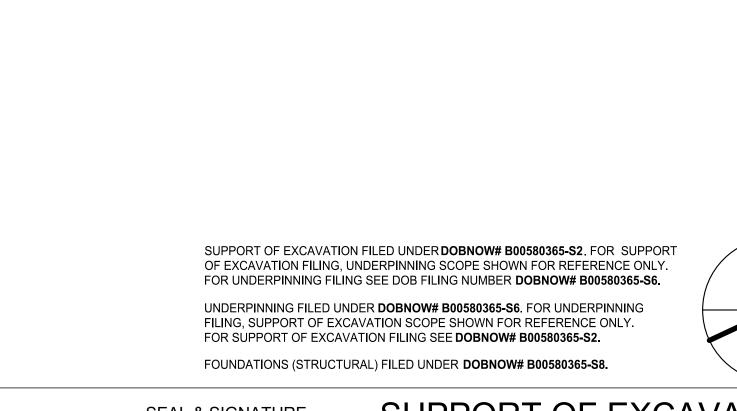
BROOKLYN, NEW YORK 11232

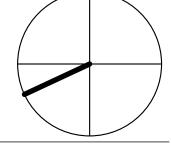
SCALE: 1/8'' = 1'-0''

DESCRIPTION DATE No. FOUNDATION SUBMISSION #1 10/06/21 \_\_\_\_\_ 12/08/21 1 FOUNDATION SUBMISSION #2 \_\_\_\_\_ \_\_\_\_2 FOUNDATION SUBMISSION #3 01/11/22 3 FOUNDATION BID SET 08/12/22 \_\_\_\_\_ DOB RESUBMISSION 08/17/22 5 ISSUED FOR 50% CD 11/4/2022 ISSUED FOR 60% CD 12/2/2022 7 NYCT AND DOB REFILING 02/13/2023

1. INSTALL MONITORING POINTS BEFORE MOBILIZING TO THE SITE.

- INSTALL SOLDIER PILE AND LAGGING WALL FOLLOWING
- 5. INSTALL LAGGING AS EXCAVATION PROGRESSES. SEE LAGGING DETAILS ON SOE-501. EXCAVATION SHALL NOT EXCEED 2FT BEFORE THE LAGGING INSTALLATION. INSTALL LOUVERS
- 7. CONSTRUCT STRUCTURAL SLABS, PILE CAPS, FOUNDATIONS AND FIRST FLOOR SLAB. CONTRACTOR MUST REFER TO STRUCTURAL DRAWINGS FOR LOCATION, DIMENSIONS, AND 8. BACKFILL OUTSIDE THE FOUNDATION WALL WITHIN THE





SEAL & SIGNATURE



SUPPORT OF EXCAVATION SECTIONS 02.13.2023 DATE PROJECT No. 21.002 SOE-303.00

SCALE: 1/8"=1'-0"

DOB NOW# B00580365-S6 (UNDERPINNING) DOB NOW# B00580365-S2 (SUPPORT OF EXCAVATION)