

STRUCTURAL NOTES

GENERAL DATA

- NOTES CONTAINED ON THIS DRAWING APPLY ONLY TO WORK SHOWN ON THE FOUNDATION FIRM STRUCTURAL DRAWINGS.
- WHEN DETAILS LABELED "TYPICAL" OR "SIMILAR" ARE GIVEN ON DRAWINGS, THE CONTRACTOR SHALL APPLY THE INTENT OF THE DETAIL TO THAT SPECIFIC CONDITION.
- WRITTEN INFORMATION AND DIMENSIONS SHALL TAKE PRECEDENCE OVER GRAPHIC INFORMATION. DO NOT SCALE DRAWINGS. RESOLVE ANY CONFLICTS ON THE PLANS WITH ENGINEER OF RECORD BEFORE PROCEEDING WITH CONSTRUCTION.
- ANY OMISSIONS OR DISCREPANCIES ON THE PLANS OR ANY DEVIATIONS FROM THE PLANS WHICH ARE NECESSITATED BY FIELD CONDITIONS OR ANY CONDITION DIFFERENT FROM THOSE INDICATED ON THE PLANS SHOULD BE BROUGHT TO THE ATTENTION OF THE FOUNDATION FIRM PRIOR TO CONTINUING CONSTRUCTION. ALL WORK IS TO BE COORDINATED SO THAT COOPERATION BETWEEN THE TRADES WHERE REQUIRED IS ACCOMPLISHED.
- CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING AND SHORING DURING CONSTRUCTION.

DESIGN CRITERIA

- A. DESIGN CODES**
- BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI-318-14)
 - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 07-16)
 - INTERNATIONAL BUILDING CODE 2018 AND ITS 2020, 2022 GEORGIA STATE AMENDMENTS
 - FULTON COUNTY CONSTRUCTION CODE (2015)

DESIGN SOIL PARAMETERS

SOIL LOADING CONSIDERED IN THIS DESIGN AND CALCULATIONS ARE BASED ON THE FOLLOWING PARAMETERS:

RETAINED FILL $\phi = 30^\circ$ $\gamma = 115$ PCF
 SURCHARGE = 50 PSF
 SOIL FRICTION COEFFICIENT 0.4
 BEARING PRESSURE 2,000 PSF

B. MATERIALS

BUILDING CONCRETE 28 DAYS STRENGTH OF 4,000 PSI TO COMPLY WITH ACI 318-14. FLYASH IS NOT ALLOWED IN THE CONCRETE MIX. CONCRETE REINFORCEMENT BARS SHALL CONFORM TO ASTM A615, GRADE 60. BARS SHALL NOT BE WELDED OR HEATED UNLESS INDICATED ON THE CONTRACT DOCUMENTS. UNLESS NOTED, LAP HORIZONTAL BARS 50 DIAMETERS. CONCRETE SHALL BE POURED AT A MINIMUM SLUMP OF 5. WATER WILL NOT BE ADDED AT THE JOB SITE. CONTRACTOR IS RESPONSIBLE FOR ALL CONCRETE AND MATERIAL TESTING IN ACCORDANCE WITH ACI 318.

C. FOUNDATIONS

ALL FOUNDATION REINFORCING TO BE SUPPORTED ON WIRE SUPPORTS AND PLACED PER ACI STANDARDS PRIOR TO POURING CONCRETE. CONCRETE PROTECTION FOR REINFORCEMENT:
 CONCRETE CAST AGAINST EARTH 3"
 PIERS OR COLUMNS ABOVE GRADE 1-1/2" CLEAR
 CONCRETE EXPOSED TO WEATHER OR EARTH:
 #5 BAR OR SMALLER 1 1/2"
 CEMENT SHALL CONFORM TO ASTM C150, TYPE ORDINARY I PORTLAND CEMENT.
 AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33. MAXIMUM SIZE OF AGGREGATE SHALL BE 3/4".
 PROVIDE BAR SUPPORTS AND SPACERS IN ACCORDANCE WITH ACI315-65 "MANUAL O STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES"
 CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS (f'c) AT 28 DAYS. CONCRETE SHALL BE NORMAL WEIGHT.
 FOOTINGS:..... 4,000 PSI
 ALL FOUNDATION REINFORCEMENT TO BE SUPPORTED ON WIRE SUPPORTS AND PLACED PER ACI STANDARDS PRIOR TO PLACING CONCRETE.

LAP CONTINUOUS BARS 48 BAR DIAMETERS.

ALL REINFORCING STEEL SHALL BE FREE OF RUST, SCALE OR ANY FOREIGN MATERIAL PRIOR TO CONCRETE PLACEMENT. FOUNDATION HAS BEEN DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2,000 PSF. THE CONTRACTOR SHALL RETAIN A LICENCED ENGINEER TO INSPECT SOIL CONDITIONS AFTER EXCAVATION TO DETERMINE IF THE BEARING CAPACITY IS SUFFICIENT FOR THE DESIGN BEARING PRESSURE.

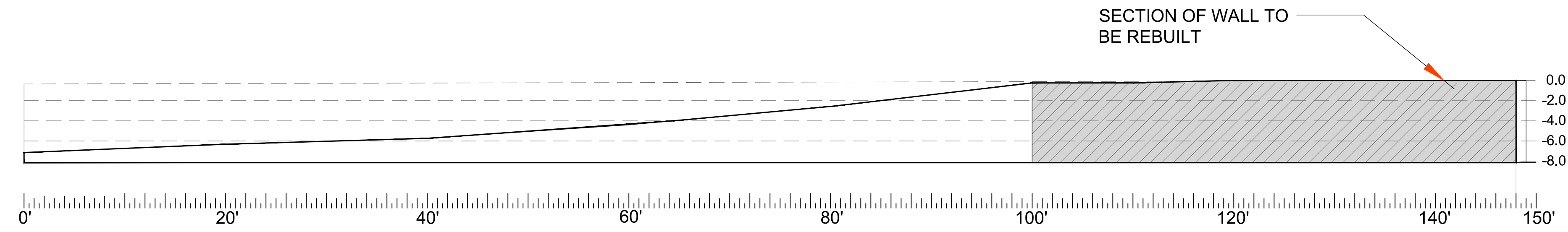
MISCELLANEOUS

THE ENGINEER WILL NOT BE RESPONSIBLE FOR THE CONTRACTORS MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS OR PROGRAMS INCIDENT THERETO, AND THE ENGINEER WILL NOT BE RESPONSIBLE FOR THE CONTRACTORS FAILURE TO PERFORM OR FURNISH THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.

THE ENGINEER WILL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, OR ANY SUB-CONTRACTOR, ANY SUPPLIER, OR ANY PERSON, OR ORGANIZATION PERFORMING, OR FURNISHING AN OF THE WORK. METHODS, PROCEDURES AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION. COMPLY WITH ALL FEDERAL (OSHA), STATE AND LOCAL LAWS WHICH PRESCRIBE SAFETY REQUIREMENTS FOR CONSTRUCTION PERFORMED.



A LOCATION PLAN
 1" = 20' - 0"



2 EXISTING WALL PROFILE
 3/8" = 1' - 0"

CAUTION
 THERE MAY BE UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UNMARKED UTILITIES.



GENERAL NOTES

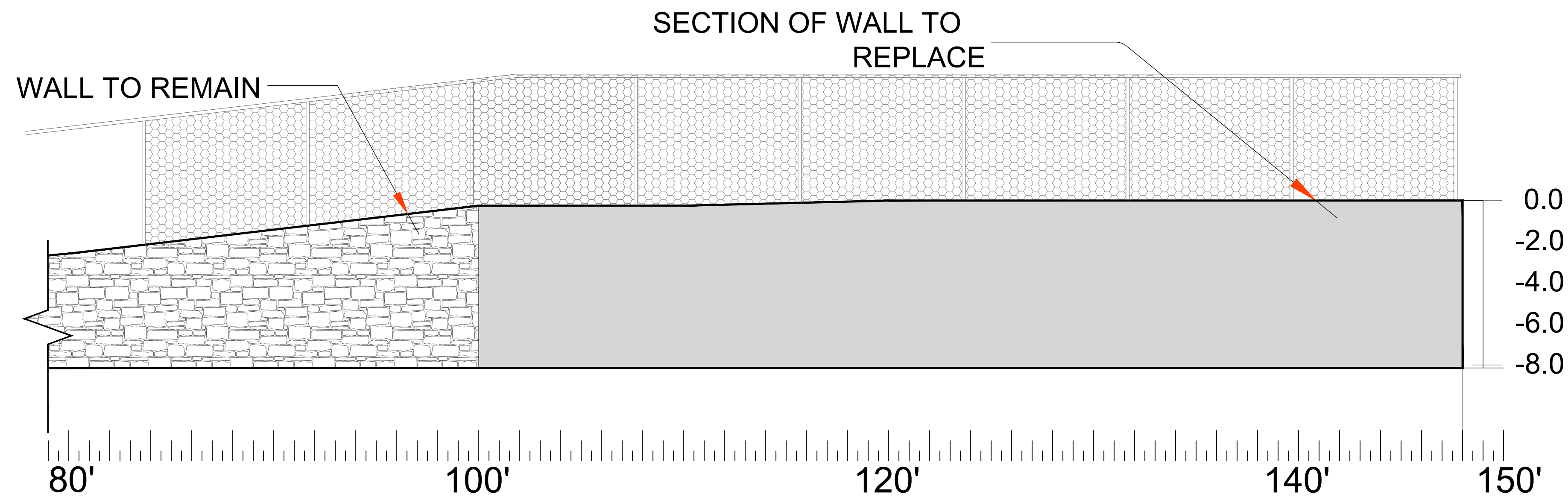
SHEET TITLE: **SYNOVUS BANK WALL RETROFIT**
 CLIENT: Genoa Construction
 ADDRESS: 2300 Lakeview Parkway Alpharetta, GA 30009
 PHONE: 770-984-2337
 JOB NAME: **SYNOVUS BANK WALL RETROFIT**
 LOCATION: **334 EAST PACES FERRY ATLANTA, GA 30305**
 PLAN ISSUE DATE: 02/19/2024

PLAN REVISION DATE:	DESCRIPTION:
BY: LS	FOR CONSTRUCTION
DATE: 02/19/24	

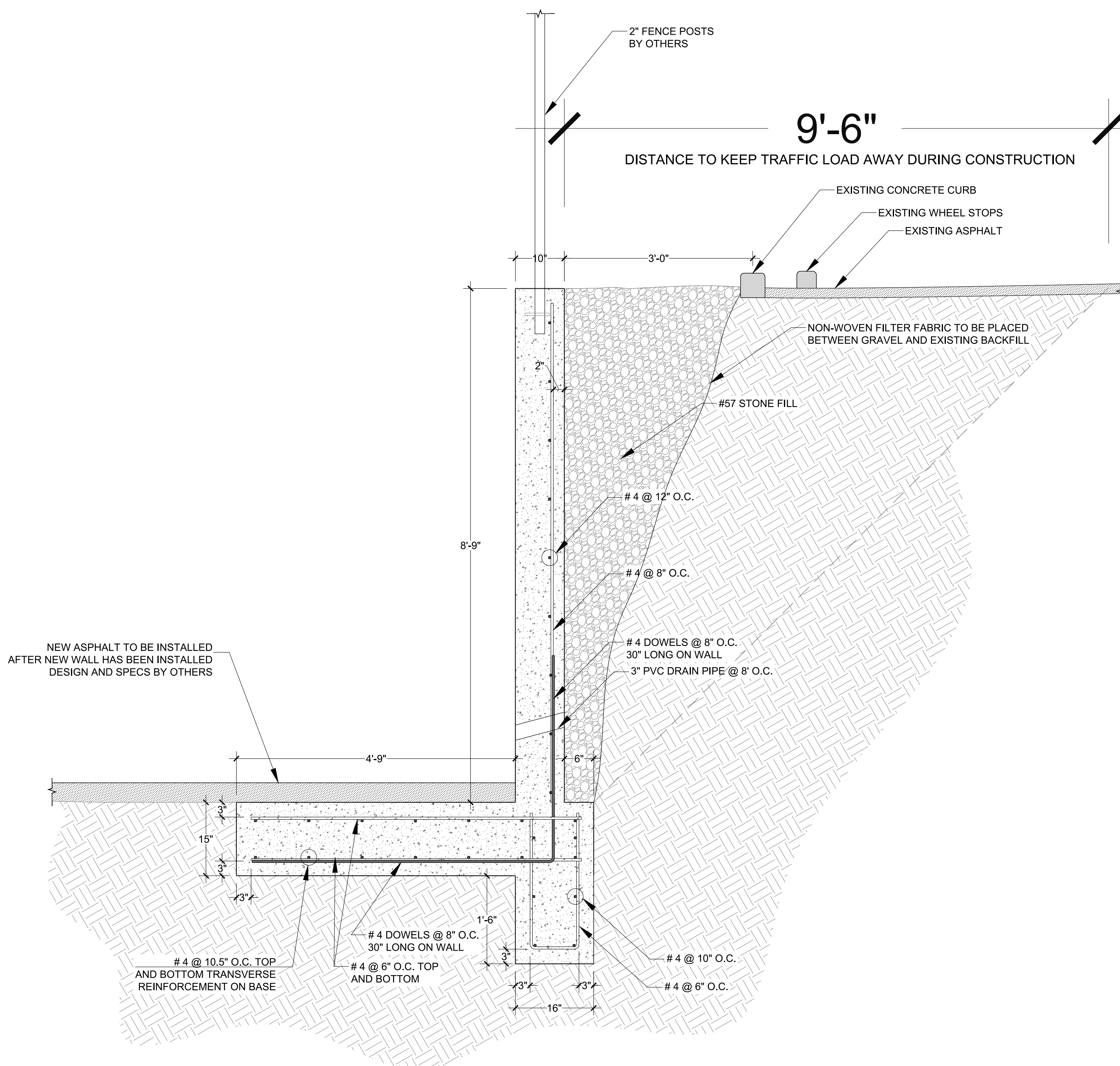


SHEET NUMBER:
S1.1
 DRAWN BY: LXS
 JOB NUMBER: FFIRM24-386

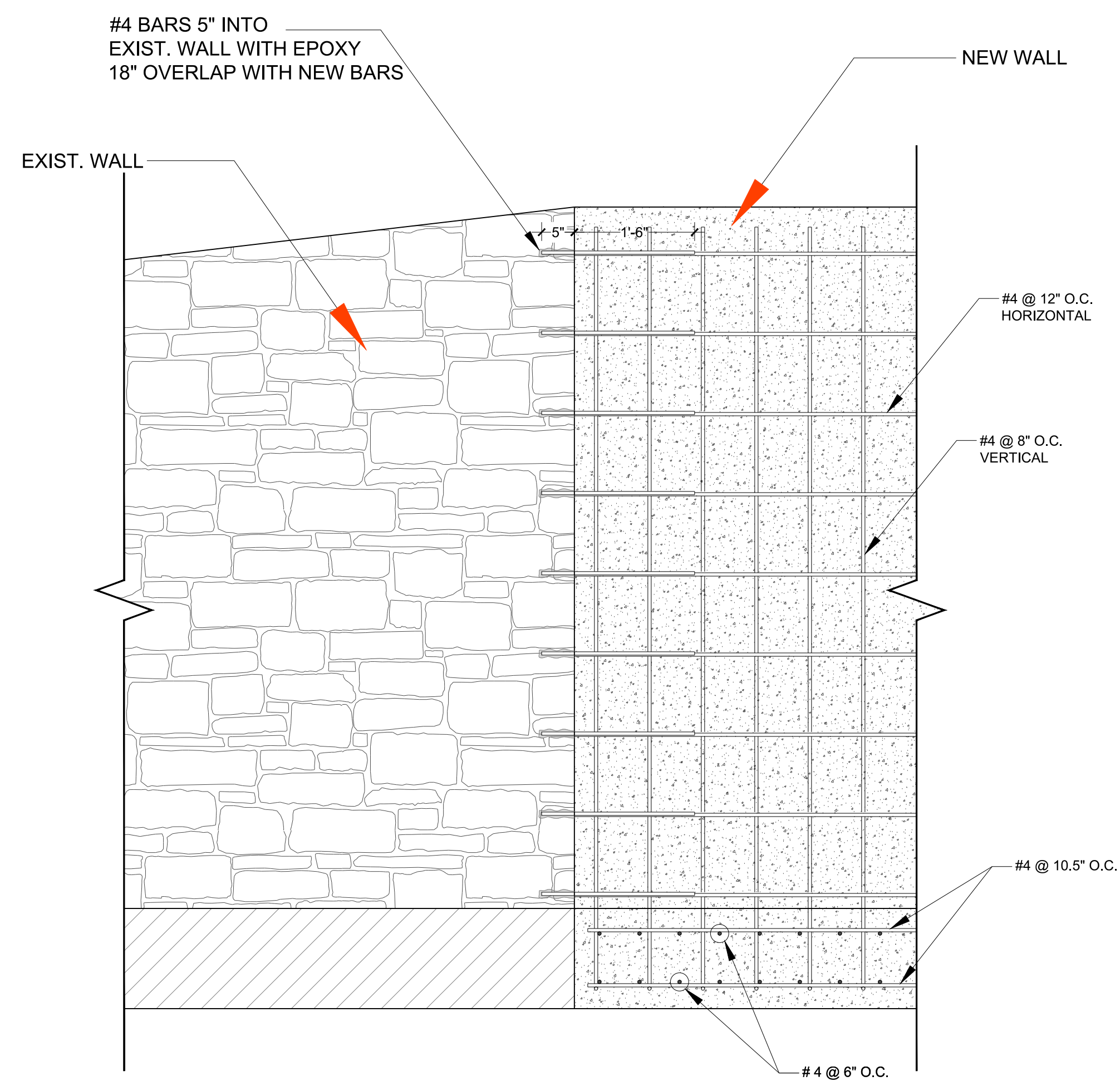
THE FOUNDATION FIRM
 CONSULTING • STRUCTURAL • DESIGN
 71 1st AVENUE NW • LILBURN • GA • 30047 • (770)-56-6949



1 TYPICAL WALL DETAIL
1/4"=1'-0"



2 TYPICAL WALL DETAIL
3/4"=1'-0"



3 CONNECTION BETWEEN NEW AND EXIST. WALL
3/4"=1'-0"



THE FOUNDATION FIRM

CONSULTING • STRUCTURAL • DESIGN
71 1st AVENUE NW • LILBURN • GA • 30047 • (770)-56-6949

STRUCTURAL WALL DETAILS

SHEET TITLE: **STRUCTURAL WALL DETAILS**
CLIENT: *Genoa Construction*
JOB NAME: **SYNOVUS BANK WALL RETROFIT**
LOCATION: 334 EAST PACES FERRY ATLANTA, GA 30305
ADDRESS: 2300 Lakeview Parkway Alpharetta, GA 30009
PHONE: 770-984-2337
PLAN ISSUE DATE: 02/19/2024

PLAN REVISION DATE:	DESCRIPTION:
BY: LS	FOR CONSTRUCTION
DATE: 02/19/24	



SHEET NUMBER:
S1.2
DRAWN BY: LXS
JOB NUMBER: FFIRM24-386