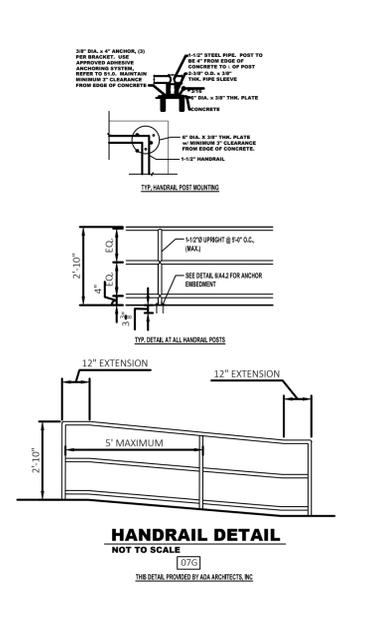
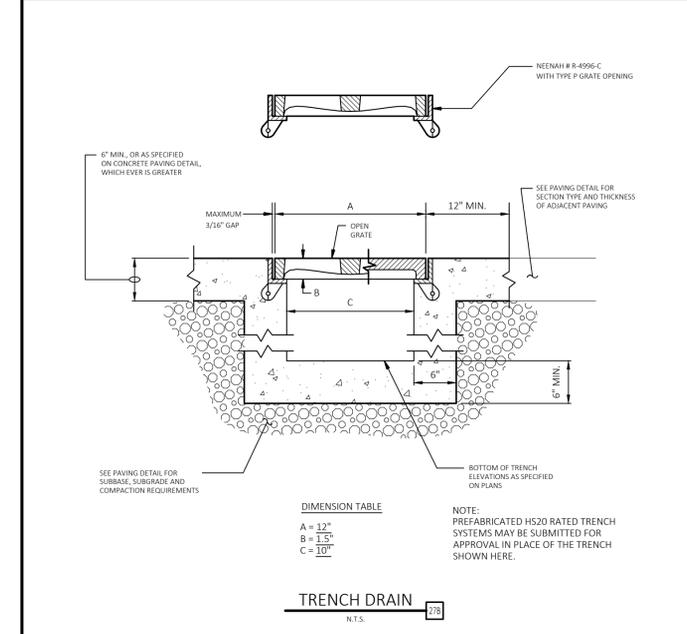
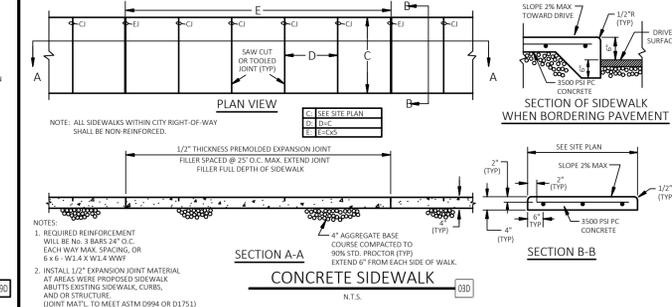
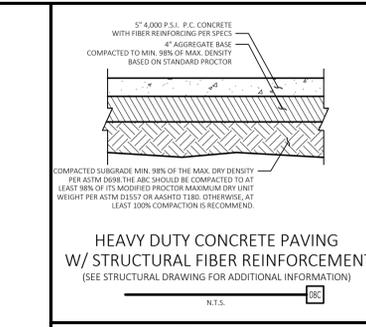
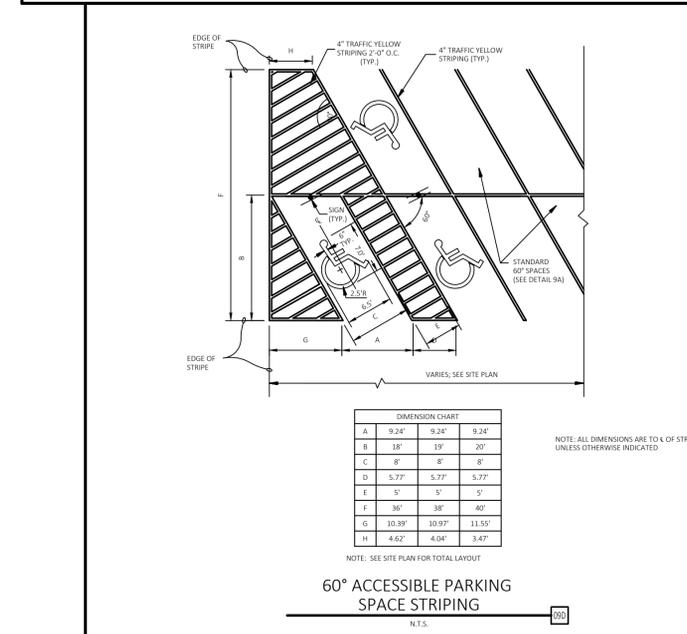


PAVEMENT RESTORATION FOR LOCAL AND COUNTY ROADS
 NOT TO SCALE



SEGMENTAL RETAINING WALL GENERAL NOTES

- THE GENERAL CONTRACTOR SHALL PROVIDE THE SEGMENTAL RETAINING WALL SYSTEM DESIGN AND SUPPORTING SIGNED AND SEALED STRUCTURAL CALCULATIONS TO THE OWNER PRIOR TO THE START OF WORK. THE DESIGN SUBMITTED SHALL BE BASED ON SOIL PARAMETERS, FOUNDATION CONDITIONS, AND LOADINGS AS OUTLINED IN THE GEOTECHNICAL REPORT. GENERAL CONTRACTOR'S ENGINEER/MANUFACTURER SHALL PROVIDE WALL DESIGN AND ANALYSIS UTILIZING SRW COMPUTER SOFTWARE.
- NOTARIZED CERTIFICATE FROM GENERAL CONTRACTOR SHALL BE PROVIDED TO THE OWNER PRIOR TO START OF WORK STATING THAT THE SRW SYSTEM COMPLIES WITH THE CRITERIA REFERENCED IN THIS SECTION.
- SUBMITTAL PACKAGES TO OWNER SHALL INCLUDE THE FOLLOWING:
 - PRODUCT LITERATURE INDICATING SPECIFICALLY WHICH SEGMENTAL RETAINING WALL UNITS ARE PROPOSED FOR USE ON PROJECT, INCLUDING COLOR, FACE STYLE AND TEXTURE.
 - PRODUCT SPECIFICATIONS INDICATING COMPRESSIVE STRENGTH, UNIT WEIGHT, MIX AND PERCENT ABSORPTION FOR THE UNITS PROPOSED.
 - RETAINING WALL DRAWINGS SHOWING COMPLETE WALL PROFILES, REINFORCEMENT ELEVATIONS, REINFORCEMENT LENGTHS, REINFORCEMENT TYPES, TOP OF WALL, BOTTOM OF WALL, PROPOSED GRADES AT TOP OF WALL, PROPOSED GRADES AT BOTTOM OF WALL, AND STATIONS SHOWING BEGINNING AND END OF WALL AS WELL AS BEGINNING AND END OF TURNS AND RADII. DRAWINGS SHALL INCLUDE DETAIL DRAWINGS FOR FACING CONNECTIONS, WALL PENETRATIONS, GUARD RAILS, HAND RAILS, LEVELING PADS, DRAINAGE SWALES, TYPICAL SECTIONS AND CONSTRUCTION DETAILS.
 - RETAINING WALL DRAWINGS SHALL SHOW DESIGN PARAMETERS FOR RETAINING WALL, REQUIRED BEARING CAPACITY OF FOUNDATION SOILS ALONG WITH PROVIDED FACTOR OF SAFETY AGAINST BEARING CAPACITY FAILURES, WALL SUBGRADE AND CONSTRUCTION DETAILS.
 - RETAINING WALL DRAWINGS SHALL BE ACCOMPANIED BY A COMPLETE SET OF CONSTRUCTION SPECIFICATIONS.
 - RETAINING WALL DRAWINGS AND SPECIFICATIONS SHALL BE ACCOMPANIED BY ENGINEER'S/MANUFACTURER'S DESIGN CALCULATIONS AND/OR COMPUTER OUTPUT ADDRESSING REQUIRED DESIGN PARAMETERS ACCORDING TO NATIONAL CONCRETE MASONRY ASSOCIATION RECOMMENDATIONS.
- SOIL DESIGN PARAMETERS SHALL BE AS PROVIDED IN THE MANUFACTURER'S CONSTRUCTION DOCUMENTS. WALL DESIGN ENGINEER/MANUFACTURER OF RECORD SHALL BE RESPONSIBLE FOR SELECTING AND SPECIFYING REINFORCED FILL MATERIAL. GENERAL CONTRACTOR IS RESPONSIBLE FOR ENGINEERING AND DOCUMENTING THE REINFORCED FILL MEETS THE SPECIFIED PARAMETERS FOR BOTH STRENGTH AND COMPACTION.
- DESIGNS FOR SRWS USING EXTENSIBLE (GEODSYNTHETIC) REINFORCEMENT SHALL BE PREPARED ACCORDING TO DESIGN METHODOLOGY PRESENTED IN NATIONAL CONCRETE MASONRY ASSOCIATION DESIGN MANUAL FOR SEGMENTAL RETAINING WALLS AND CONFORM TO THE MINIMUM SAFETY FACTORS AS SPECIFIED. OWNER RESERVES ALL RIGHTS IN DETERMINING COMPLIANCE FOR PLAN APPROVAL AND MAY REJECT ANY SUBMITTALS.
- RETAINING WALL UNITS, REINFORCING, AND ACCESSORIES SHALL BE SUPPLIED AS INDICATED. UNITS PRODUCED UNDER LICENSE FROM APPROVED PROPRIETARY SYSTEM SHALL BE MANUFACTURED IN FACILITY MEETING REQUIREMENTS OF LICENSING SYSTEM WITH ADEQUATE CAPACITY TO SUPPLY PRODUCT TO SITE IN TIMELY MANNER. MATERIALS SHALL BE STORED AS REQUIRED TO PREVENT DAMAGE AND STAINING.
- ACCEPTABLE RETAINAGE SYSTEMS INCLUDE THE FOLLOWING PRODUCTS OR APPROVED EQUAL:
 - REINFORCED EARTH® RETAINING WALL UNITS AS MANUFACTURED BY LICENSED DISTRIBUTOR FOR THE REINFORCED EARTH COMPANY, BEDFORD, TEXAS.
 - KEYSTONE® RETAINING WALL UNITS AS MANUFACTURED BY LICENSED DISTRIBUTOR FOR KEYSTONE RETAINING WALL SYSTEMS, INC., MINNEAPOLIS, MINNESOTA.
 - VERSA-LOK® RETAINING WALL UNITS AS MANUFACTURED BY LICENSED DISTRIBUTOR FOR VERSA-LOK RETAINING WALL SYSTEMS, NORTH ST. PAUL, MINNESOTA.
 - MESA RETAINING WALL UNITS AS MANUFACTURED BY LICENSED DISTRIBUTOR FOR MESA RETAINING WALL SYSTEMS, CARMEI, NEW YORK.
 - ROCKWOOD RETAINING WALL UNITS AS MANUFACTURED BY LICENSED DISTRIBUTOR FOR ROCKWOOD RETAINING WALLS, INC., ROCHESTER, MINNESOTA.
 - ANCHOR WALLS UNITS AS MANUFACTURED BY LICENSED DISTRIBUTOR FOR ANCHOR WALL SYSTEMS, MINNETONKA, MINNESOTA.
- GENERAL CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THE DESIGN AND CONSTRUCTION OF ALL SEGMENTAL RETAINING WALLS AS SHOWN IN THE CONSTRUCTION DOCUMENTS. CEI ENGINEERING ASSOCIATES, INC. ASSUMES NO LIABILITY OR RESPONSIBILITY FOR DESIGN OR CONSTRUCTION OF ANY SEGMENTAL RETAINING WALL SYSTEM RELATED TO THESE SITE IMPROVEMENTS.



HARBOR FREIGHT TOOLS

388 ROUTE 59
 NYACK, NEW YORK, 10960

PROFESSIONAL OF RECORD: JCG
 PROJECT MANAGER: JEH
 DESIGNER: HMK
 CEI PROJECT NUMBER: 32286
 DATE: 9/21/2021
 REVISION: REV-0

DETAIL SHEET 1
 SHEET TITLE
 SHEET NUMBER
C6