

<p>DESIGNER'S CERTIFICATE OF REGISTRATION          I, the undersigned, <b>ERIKO LUNA</b>, do hereby certify that I am a duly Licensed Professional Engineer in the State of Massachusetts, License No. <b>50532</b>, and that I am the Designer of the above project. I am not providing this certificate as evidence of any other certification or approval. I am not providing this certificate as evidence of any other certification or approval. I am not providing this certificate as evidence of any other certification or approval.</p>	<p>DATE: 23 DEC 2021</p>
<p>PROJECT NO.: MA0211220</p>	<p>DATE: 23 DEC 2021</p>
<p>DRAWING NO.: SRW-100</p>	<p>DATE: 23 DEC 2021</p>
<p>DESIGNER: ERIKO LUNA</p>	<p>DATE: 23 DEC 2021</p>
<p>CHECKED: SL</p>	<p>DATE: 23 DEC 2021</p>
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**GENERAL NOTES**

THE DRAWING REPRESENT CONSTRUCTION IN SCALE BUT DO NOT "SCALE" DRAWINGS TO OBTAIN MISSING INFORMATION OR TO INTERPRET ANY INFORMATION NOT SPECIFICALLY DIMENSIONED FOR EXACT DETAILING. INFORMATION ON CONSTRUCTION PURPOSES, CONTACT THE DESIGN ENGINEER FOR ANY REQUIRED MISSING DIMENSIONS.

PROPERTY LIMITS AND EXISTING BUILDINGS LOCATIONS WERE BASED ON THE PROJECT PLOT PLAN PREPARED BY BIBBO BROTHERS AND ASSOCIATES. "PLAN OF LAND" DRAWING DATED 7/27/2021, AND ON THE PUBLIC AVAILABLE INFORMATION OF THE MASSACHUSETTS GIS ONLINE MAPPING SYSTEM (MASSGIS) AND FIELD MEASUREMENTS.

ALL ELEVATIONS SHOWN ARE BASED ON PROJECT ARBITRARY DATUM THAT MAY CORRELATES WITH LOCAL OR NATIONAL DATUM.

NO INFORMATION REGARDING SUBSURFACE CONDITIONS WAS AVAILABLE AT THE TIME OF THIS WALL DESIGN WAS PREPARED. THE RETAINING WALL DESIGN IS BASED ON ASSUMED SOIL CONDITIONS AND MUST BE FIELD VERIFIED PRIOR TO BEGINNING CONSTRUCTION.

GROUNDWATER WAS ASSUMED TO BE AT LEAST 5-FEET BELOW BOTTOM OF PROPOSED RETAINING WALL. DEWATERING IS NOT ANTICIPATED.

ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE MASSACHUSETTS REGULATION 801 CMR 27.00, AND OTHER APPLICABLE FEDERAL, STATE AND LOCAL CODES, ORDINANCES AND/OR REGULATION RELATED TO THE WORK SHOWN ON THESE DRAWINGS.

THIS DESIGN HAS BEEN PREPARED IN ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL CONCRETE MASONRY ASSOCIATION DESIGN MANUAL FOR SEGMENTAL RETAINING WALLS AND IN ACCORDANCE WITH THE CURRENT EDITION OF THE MASSACHUSETTS BUILDING CODE (MBC) INCLUDING ALL RELATED PROVISIONS AND AMENDMENTS.

THE CONTRACTOR SHALL OBTAIN ALL PERMITS FROM THE BUILDING DEPARTMENT PRIOR TO THE START OF WORK.

THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE EXISTING STRUCTURES AND LOCATIONS OF EXISTING BUILDINGS AND OTHER STRUCTURES PRIOR COMMENCING THE WORK. DISCREPANCIES SHALL BE REPORTED TO THE DESIGN ENGINEER IMMEDIATELY BEFORE PROCEEDING.

THE CONTRACTOR ARE RESPONSIBLE FOR ACQUAINTANCE COORDINATION OF ALL RELATED EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL VERIFY ALL DETAILS, DIMENSIONS AND SYSTEMS PRIOR WORK OR ORDERING ANY ITEM AND COORDINATE WITH THE ARCHITECT OR THE RELATED ENGINEER. DO NOT COMMENCE WORK UNTIL CONDITIONS IS RESOLVED AND MODIFICATION IS NEEDED IS ANY DISCREPANCIES AND PROJECT ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES THAT MAY EXIST PRIOR TO COMMENCING THE WORK.

EXISTING CONSTRUCTION AND DIMENSIONS SHOWN ON THIS DRAWING ARE BASED ON PROJECT ARCHITECTURAL DRAWINGS AND INFORMATION PROVIDED BY OTHERS. THE DESIGN ENGINEER IS NOT RESPONSIBLE FOR VERIFYING THE EXISTING CONDITIONS. THE CONTRACTOR SHALL VERIFY THE DRAWING AND THOSE OF OTHER DISCIPLINES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION PRIOR COMMENCING THE WORK. NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY ISSUE INTERFERING WITH THE EXECUTION OF THE WORK SHOWN ON THIS DRAWING PRIOR TO COMMENCING THE CONSTRUCTION.

IN CASE OF CONFLICT BETWEEN THE GENERAL NOTES, SPECIFICATIONS, AND DETAILS, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.

THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING AND BRACING REQUIRED FOR PLUMPNESS, STRUCTURAL STABILITY AND SAFETY WHENEVER REQUIRED TO SUPPORT LOADS AS MAY BE IMPOSED UPON THE STRUCTURE AND ITS COMPONENTS DURING CONSTRUCTION. CONTRACTOR IS TO DETERMINE PROPERTY LINES AND SECURE ADJACENT PROPERTY OWNER'S CONSENT IF WORK EXTENDS BEYOND BUILDING'S PROPERTY LINE AS REQUIRED BY THE MA-CODE.

LEAVE NO HOLES UNPROTECTED OVERNIGHT OR OVER WEEKENDS OR HAZARDOUS AND COMPLY WITH ALL PROVISIONS OF FEDERAL, STATE AND LOCAL ORDINANCES INCLUDING ALL OSHA REGULATIONS.

PROVIDE STABLE AND SAFE SLOPES FOR ALL EXCAVATIONS IN ACCORDANCE WITH APPLICABLE OSHA REQUIREMENTS. PROVIDE ACCURATE EARTH SHORING AND OTHER PERSONNEL PROTECTION IN ACCORDANCE WITH OSHA REQUIREMENTS DURING THE WORK.

THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR THE SAFETY OF ADJACENT STRUCTURES, PROPERTY, HIS WORKMEN, AND THE PUBLIC, AS AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.

THESE DRAWINGS ARE INTENDED TO BE USED ONLY BY EXPERIENCED CONTRACTOR WITH KNOWLEDGE ON THIS TYPE OF WORK. LUNA, ENGINEERING PERSONNEL ARE AVAILABLE TO ANSWER QUESTIONS AND ASSIST THE CONTRACTOR BY EXPLAINING THE DESIGN INTENT. FAILURE BY THE CONTRACTOR TO UNDERSTAND THE COMPLETNESS OF THE PROJECT AND THE CONSTRUCTION SEQUENCE CAN RESULT IN FATAL INJURY. THE CONTRACTOR ASSUMES TOTAL RESPONSIBILITY FOR ANY CONSEQUENCE OF THEIR ACTION.

**DESIGN SPECIFIC GEOMETRIC INFORMATION**

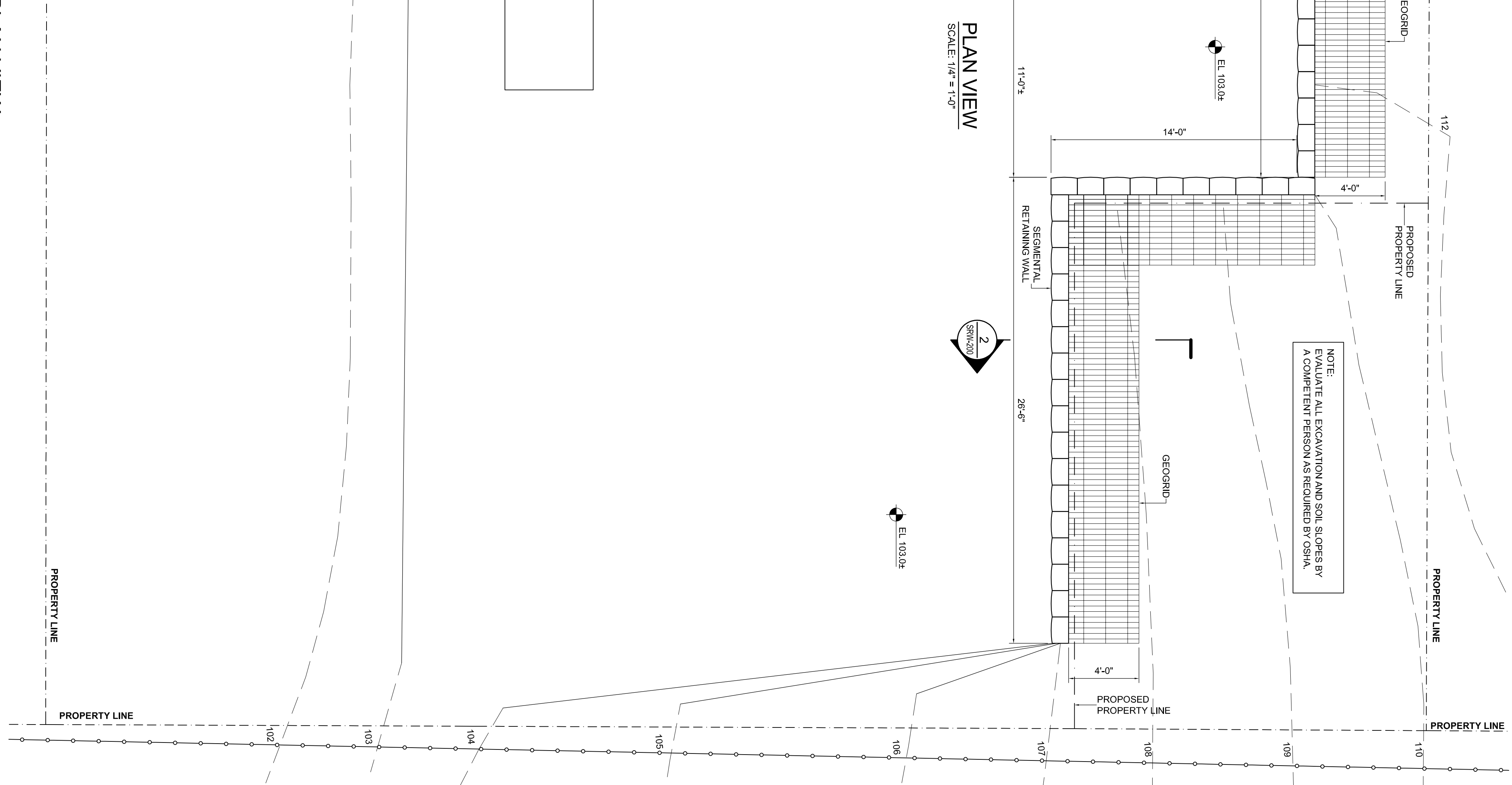
MAXIMUM EXPOSED HEIGHT	9-FT
MAXIMUM SLOPE ABOVE WALL	1V:10H
SURCHARGE ABOVE WALL	100 PSF
BATTER OF WALL	4.7°
GEOGRID TYPE	STRATIGRUD SG5200 OR SIMILAR
MINIMUM LTDS	1,900 LB/FT
MAXIMUM SLOPE BELOW WALL	HORIZONTAL
LEVELING PAD	BLOCK WIDTH 4'-6" IN
MINIMUM EMBEDMENT DEPTH	12-IN
PLACEMENT METHOD	MANUAL

**INSTALLATION SEQUENCE:**

- EVALUATE ALL SLOPES IN THE FIELD BY A COMPETENT PERSON AS REQUIRED BY OSHA REQUIREMENTS.
- EXCAVATE TO EXPOSE RETAINING WALL SURCHARGE. SURCHARGE SHALL BE FIELD VERIFIED AS REQUIRED BY OSHA REQUIREMENTS. FOUNDATION SOIL SHALL BE UNDISTURBED NATIVE SOIL OR COMPACTED STRUCTURAL FILL WITH AN MINIMUM ALLOWABLE CAPACITY OF 4,000 PSF.
- INSTALL LEVELING BASE. BASE MUST EXTEND AT LEAST 6-INCHES IN FRONT, BEHIND AND BELOW THE FIRST COURSE OR BLOCK UNITS. BASE MAY BE COVERED WITH A 2-INCH UNREINFORCED COAT OF CONCRETE TO PROVIDE A DRAINAGE LEVELING SURFACE.
- INSTALL WALL DRAIN AS INDICATED ON THIS PLAN. PROVIDE POSITIVE DRAINAGE OUTLET TO SITE DRAINAGE SYSTEM.
- PLACE SEGMENTAL CONCRETE BLOCKS TO THE ELEVATIONS AND DIMENSIONS AS SHOWN ON THIS DRAWING. PLACE CRUSHED STONES IN FILL AND BACKFILL AS THE WORK PROGRESS IN CONJUNCTION WITH THE INSTALLATION OF THE SEGMENTAL BLOCK UNITS TO THE LIMITS SHOWN ON THIS DRAWING. INSTALLER SHALL FOLLOW MANUFACTURER'S INSTALLATION PROCEDURES AND RECOMMENDATIONS.
- SECURE THE TOP COURSE OR COPING STONE TO THE WALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

NOTE:  
EVALUATE ALL EXCAVATION AND SOIL SLOPES BY A COMPETENT PERSON AS REQUIRED BY OSHA.

**PLAN VIEW**  
SCALE: 1/4" = 1'-0"



NOTE:  
BUILDING INFORMATION SHOWN ON THIS DRAWING IS SCHEMATIC IN NATURE AND IS MEANT TO CONVEY TO THE GENERAL PROJECT LAYOUT. REFER TO STRUCTURAL AND ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND ANY OTHER DETAILS OF EXISTING BUILDINGS AND/OR STRUCTURAL ELEMENTS.

**2 STORY WOOD FRAME HOUSE  
@ 10 ELBERTA TERR**

NOTE:  
SOME FEATURES ARE NOT SHOWN FOR CLARITY. SEE ALL PROJECT PLANS, SECTIONS AND DETAILS FOR COMPLETE UNDERSTANDING OF THE RETAINING WALL AND THE PROPOSED BUILDING FOUNDATIONS. CONTACT ENGINEER FOR CLARIFICATIONS IF NECESSARY.

**ELBERTA TERRANCE**

**PLAN VIEW**  
SCALE: 1/4" = 1'-0"