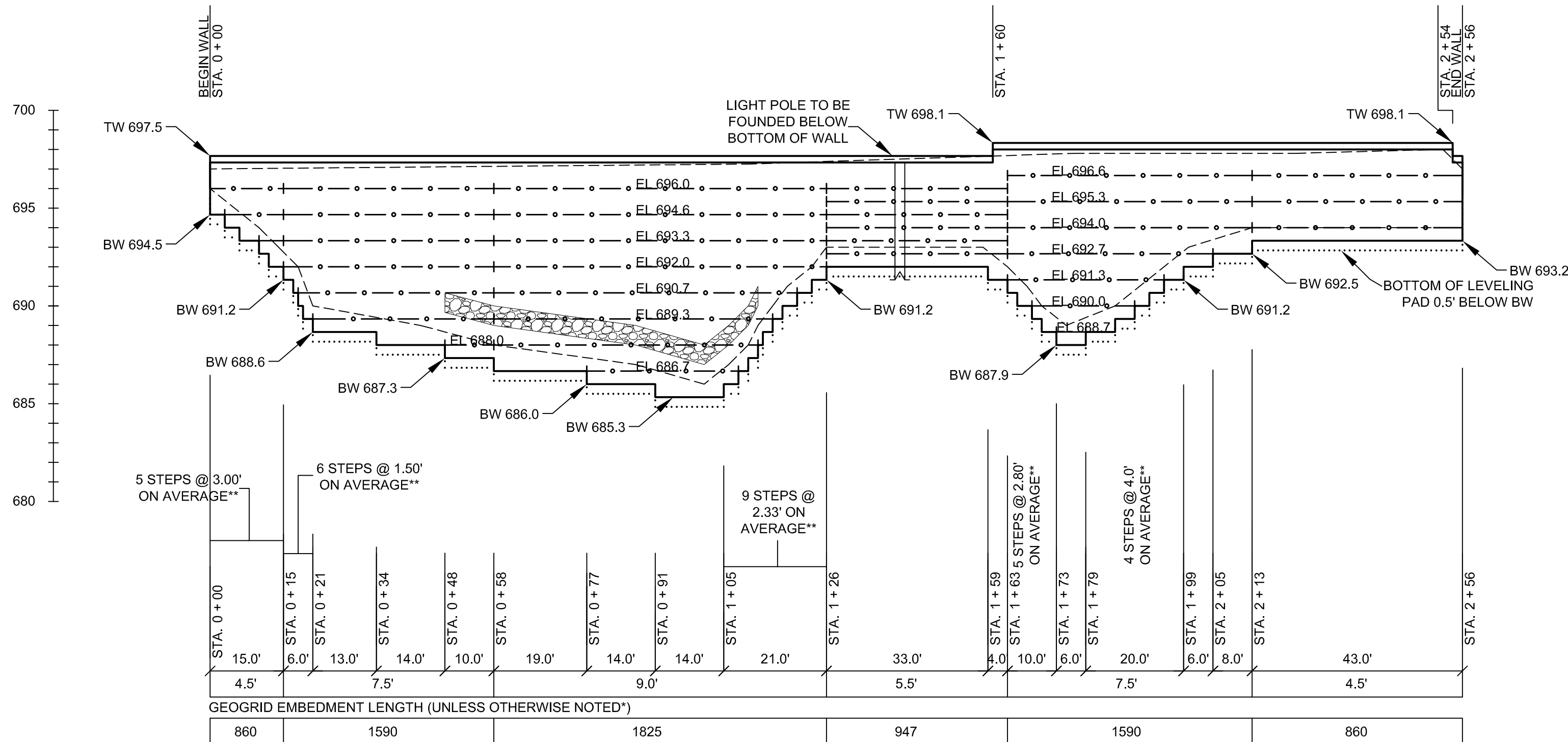




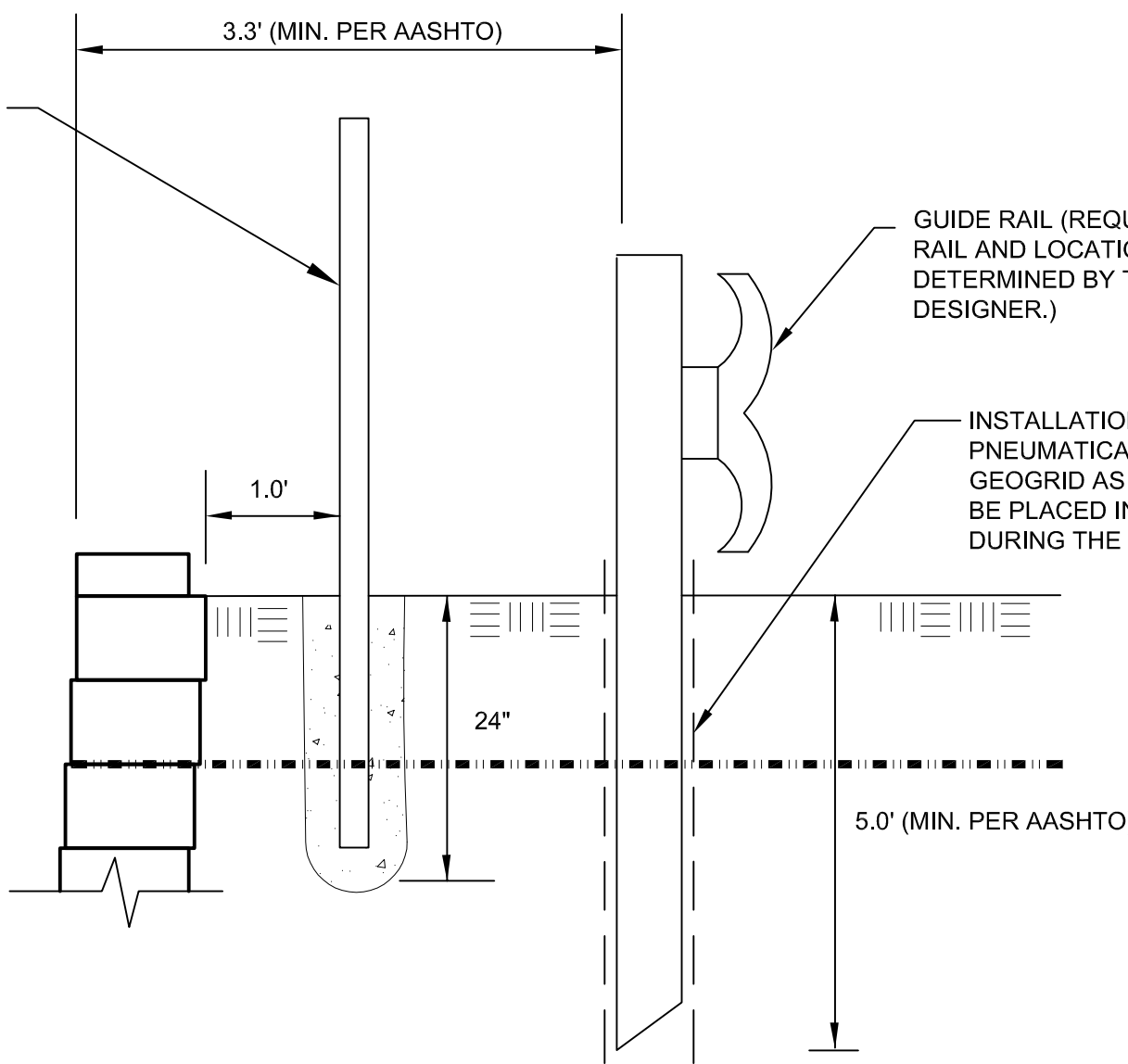
Know what's below
Call before you dig

NOTE: CONSTRUCTION VERIFICATION OF THE WALL INSTALLATION BY AN ENGINEER IS REQUIRED AND MUST BE PROVIDED BY A KNOWLEDGEABLE GEOTECHNICAL ENGINEER FAMILIAR WITH MECHANICALLY STABILIZED STRUCTURES.



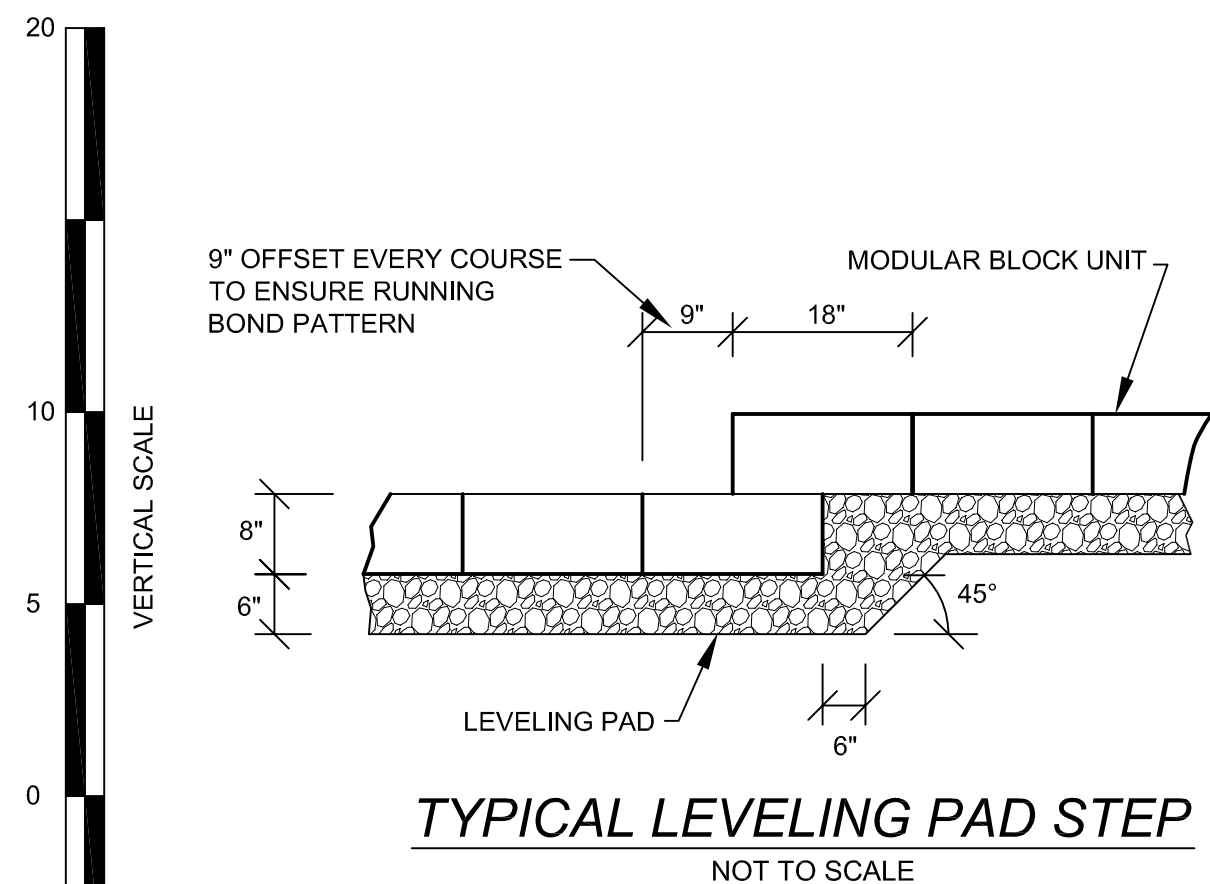
FRONT FACE ELEVATION VIEW
WALL 1

PERMANENT PEDESTRIAN FENCE POST SECURED IN CONCRETE (AUGER 6" MAX. HOLE THROUGH GEOGRID OR INSTALL 6" SONOTUBE DURING WALL CONSTRUCTION, 4' O.C. MIN.)



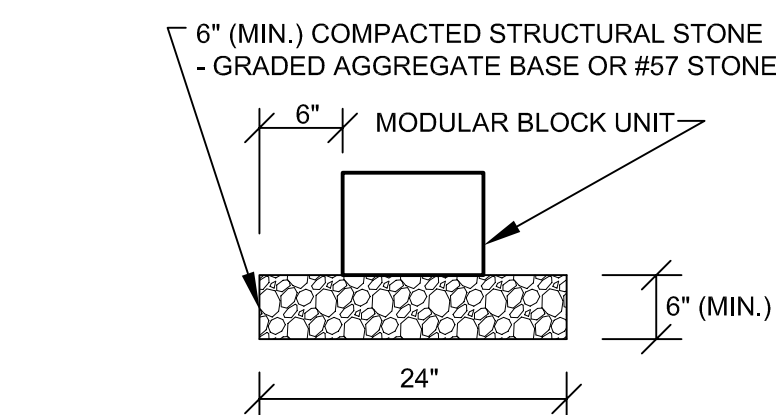
TYPICAL FENCE POST/GUARD RAIL
INSTALLATION

NOT TO SCALE



TYPICAL LEVELING PAD STEP

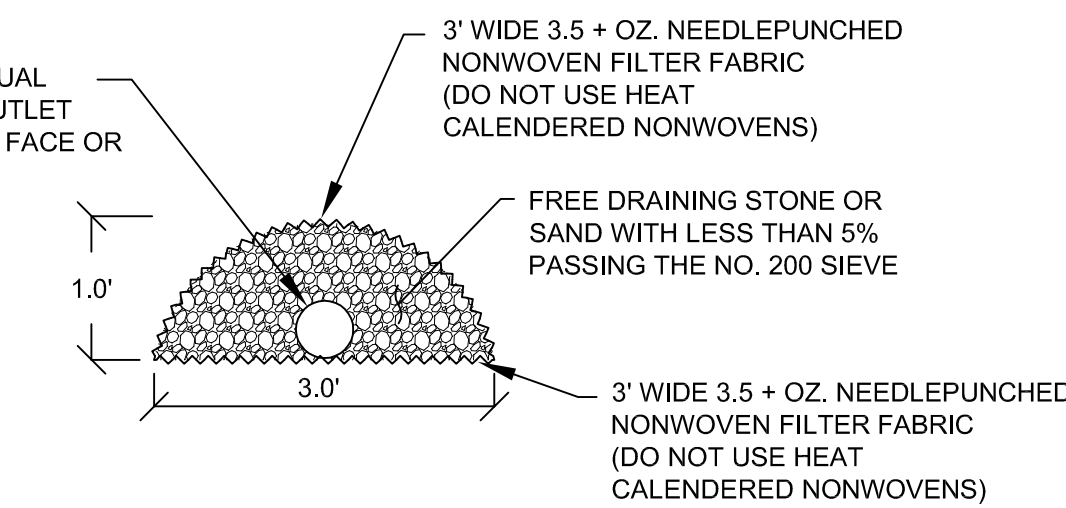
NOT TO SCALE



LEVELING PAD CROSS-SECTION

NOT TO SCALE

4" SLOTTED DRAIN PIPE OR EQUAL (SLOPE 2% MIN. TO OUTLET, OUTLET EVERY 50' O.C THROUGH WALL FACE OR DESIGNATED STORM DRAIN)



*ONLY REQUIRED IN WALLS OVER 10' IN HEIGHT

COLLECTOR DRAIN

NOT TO SCALE

FOUNDATION REMEDIATION AS REQUIRED BY ON-SITE GEOTECHNICAL ENGINEER TO OBTAIN STABLE WORKING PLATFORM MEETING THE PARAMETERS IN NOTE 5.0 (SHEET RW1). VERIFICATION OF BEARING CAPACITY (NOTE 5.0, SHEET RW1) MUST BE APPROVED BY THE ON-SITE GEOTECHNICAL ENGINEER.

SURVEYOR SHALL ADJUST THE BOTTOM OF WALL LOCATION TO ACCOUNT FOR WALL BATTER.

FINISHED GRADE
EMBEDMENT VARIES (SEE ELEVATION VIEW)

LEVELING PAD (SEE DETAILS)

700
695
690
685
680

TEMPORARY SAFETY FENCE SHALL BE INSTALLED MEETING CURRENT O.S.H.A. STANDARDS UNTIL PERMANENT FENCE (DESIGNED AND PROVIDED BY OTHERS) IS INSTALLED. ENGINEERED EARTH SOLUTIONS, LLC. IS RESPONSIBLE FOR THE REINFORCED EARTH STRUCTURE ONLY. ALL SAFETY RESTRAINT SYSTEMS (FENCES, GUARDRAILS, BALLARDS, ETC.) SHALL BE DESIGNED BY THE CIVIL SITE DESIGNER.

NOTE: SOIL BERMS AND DRAINAGE SWALES SHALL BE CONSTRUCTED AS NECESSARY TO PREVENT SURFACE WATER FROM OVERTOPPING WALL FACE DURING AND AFTER CONSTRUCTION.

WALL LOCATION AS SHOWN ON CIVIL PLANS

CAP UNIT
MODULAR BLOCK UNIT (FILL CORE W/ CRUSHED / ANGULAR #57 STONE)

EXTEND GEOGRID REINFORCEMENT TO BE VISIBLE ON THE OUTSIDE OF THE WALL FACE BUT NOT EXTENDING BEYOND LOWER BLOCK COURSE FACE
REINFORCEMENT EXTENDING BEYOND THE BACK OF BLOCK UNITS SHALL BE HORIZONTAL AND NOT BE ALLOWED TO TURN DOWN BEHIND REAR EDGE OF BLOCK.

SEE RW1

TRIM FILTER FABRIC AFTER VEGETATION AND/OR PAVEMENT IS IN PLACE BEHIND WALL.

PROPOSED CURB (BY OTHERS)

3.5 + OZ. NEEDLEPUNCHED NONWOVEN FILTER FABRIC
COORDINATE INSTALLATION OF TOP MOST REINFORCEMENT LAYER WITH CURB INSTALLATION TO DIVERT REINFORCEMENT UNDER PAVEMENT AND CURB BASE.

REINFORCED ZONE

RETAINED ZONE

12" MIN. CRUSHED / ANGULAR #57 STONE

COLLECTOR DRAIN (SEE DETAIL)

SOLID DRAIN PIPE (HDPE) OUTLET THROUGH WALL FACE EVERY 50' O.C.
PRIMARY GEOGRID REINFORCEMENT (SEE ELEVATION VIEW FOR TYPE, LOCATION AND EMBEDMENT)

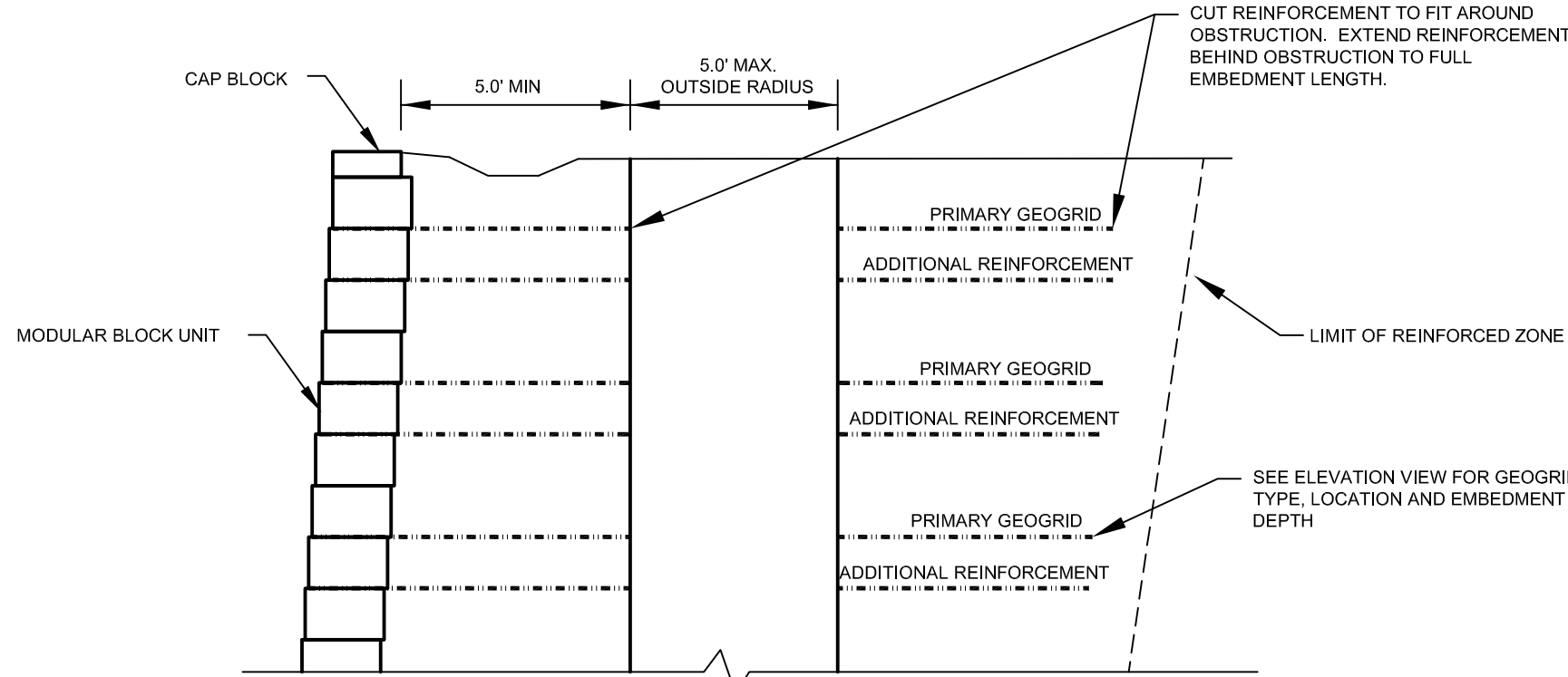
4" PERFORATED DRAIN PIPE (HDPE) TO RUN ENTIRE LENGTH OF WALL OUTLET THROUGH WALL FACE EVERY 50' O.C.

FOUNDATION ZONE

GEOGRID EMBEDMENT LENGTH VARIES

TYPICAL CROSS-SECTION

NOT TO SCALE



NOTE: AT THE OBSTRUCTION AND EXTENDING 10' ALONG WALL LENGTH ON EACH SIDE OF OBSTRUCTION, PLACE INTERMEDIATE REINFORCEMENT LAYERS IN ADDITION TO THE PRIMARY REINFORCEMENT LAYERS EXTENDING TO FULL EMBEDMENT DEPTH (i.e. THE NUMBER OF REINFORCEMENT LAYERS PER RESPECTIVE WALL HEIGHT WILL DOUBLE OVER A LENGTH OF WALL MEASURING 25' CENTERED ON THE OBSTRUCTION).

CROSS SECTION

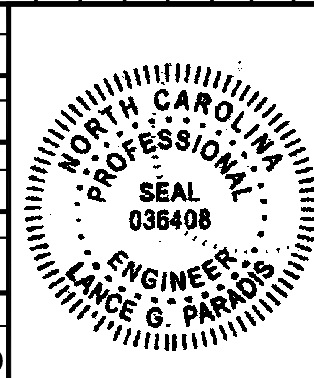
NOT TO SCALE

VERTICAL OBSTRUCTION DETAIL

(LESS THAN 5.0' IN WIDTH OR DIA. AND AT LEAST 6.0' FROM WALL FACE)

REVISION / ISSUE

DRAWN BY: MCC
DESIGNED BY: CWL
CHECKED BY: LGP
DATE: 04/06/22
SCALE: AS NOTED



INGENIUM
ENTERPRISES, INC
5991 PARKWAY NORTH BLVD
CUMMING, GA, 30040
TEL: (770) 437-8850
CLIENT

ENGINEERED EARTH
SOLUTIONS, LLC
441 CREEKSTONE RIDGE
WOODSTOCK, GEORGIA 30188
TEL: 770-592-2950
EMAIL: ENGINEERING@EESOLS.COM
ENGINEEREDEARTHSOLUTIONS.COM



ENGINEER

PANDA EXPRESS

NORTH CAROLINA

CONCORD

ELEVATION VIEW & DETAIL
SHEET

SHEET
RW3
OF 3

PROJECT NO.: M22-0272