

04-STRUCTURES INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
S-01	STRUCTURES INDEX OF DRAWINGS		
S-02	EMBANKMENT WALL (SITE NO. 1)		

REV.	DATE	REVISION DESCRIPTION

THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

TRANSPORTATION PRINCIPAL ENGINEER

GENERAL NOTES:

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 818 (2020), SUPPLEMENTAL SPECIFICATION DATED JULY 2020 AND SPECIAL PROVISIONS

DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (9TH ED. - 2020), AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (2003).

MATERIAL STRENGTHS
 CONCRETE:
 LEVELING PAD: F_c = 2,000 PSI
 CLASS PCC 04460: F_c = 4,000 PSI

THE CONCRETE STRENGTH, F_c, USED IN DESIGN OF THE CONCRETE COMPONENTS IS NOTED ABOVE. THE COMPRESSIVE STRENGTH OF THE CONCRETE IN THE CONSTRUCTED COMPONENTS SHALL CONFORM TO THE REQUIREMENTS OF 6.01 - CONCRETE FOR STRUCTURES, AND M.03 - PORTLAND CEMENT CONCRETE.

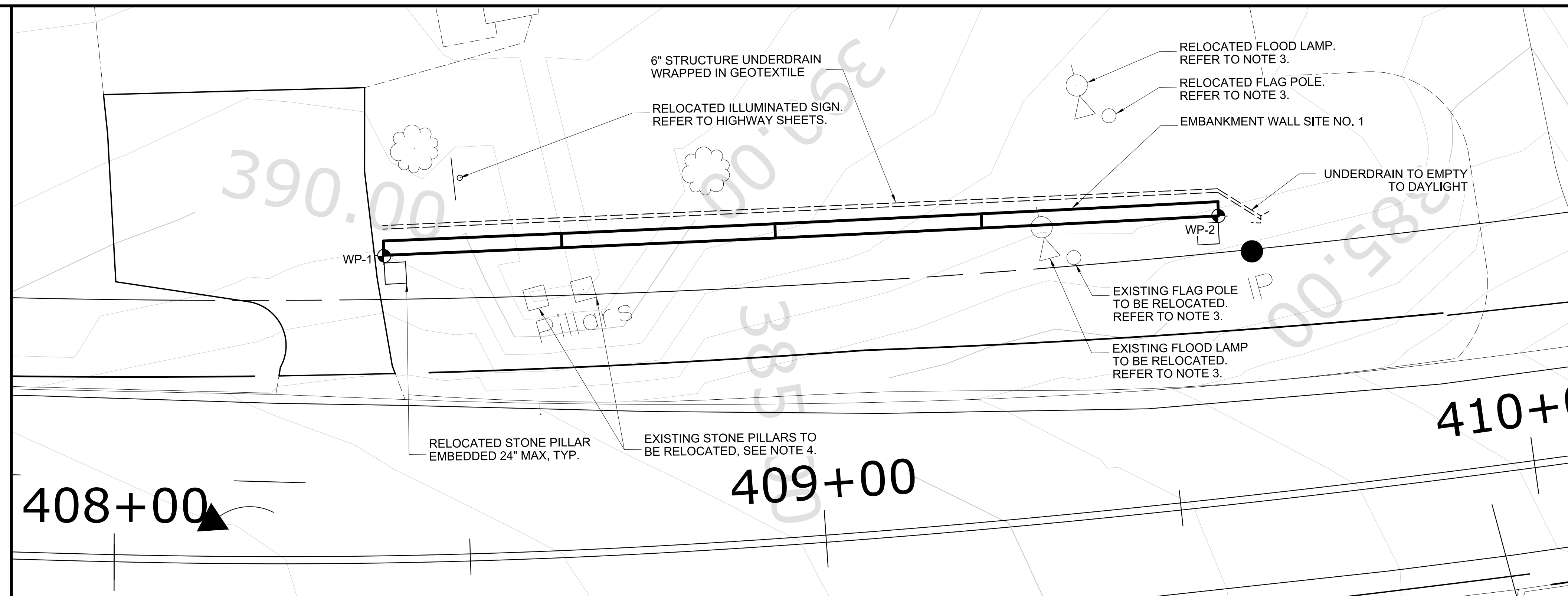
FOUNDATION PRESSURES: THE VARIOUS GROUP LOADINGS NOTED ON THE WALL SECTION REFER TO THE GROUP LOADS AS GIVEN IN AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

DIMENSIONS: WHEN DECIMAL DIMENSIONS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZEROS.

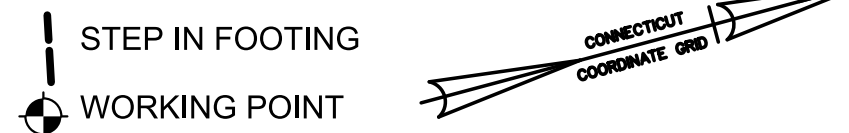
EMBANKMENT WALL (SITE NO. 1): DETAILS SHOWN ON THIS SHEET ARE NOT SPECIFIC. THE CONTRACTOR'S DESIGNER SHALL MODIFY EACH SECTION FOR EACH SPECIFIC SITE. THE CONTRACTOR SHALL SELECT, DESIGN, AND CONSTRUCT THE EMBANKMENT WALL IN ACCORDANCE WITH THE SPECIAL PROVISION "EMBANKMENT WALL (SITE NO. 1)." ALL WORK ASSOCIATED WITH THE EMBANKMENT WALL SHALL BE INCLUDED FOR PAYMENT UNDER ITEM "EMBANKMENT WALL (SITE NO. 1)." 6" DIA. STRUCTURAL UNDERDRAIN SHALL BE INCLUDED FOR PAYMENT UNDER ITEM "EMBANKMENT WALL SITE NO. 1."

- LIST OF APPROPRIATE EMBANKMENT WALL SYSTEMS:
- 1) KEYSYSTEM 1 RETAINING WALL
 - 2) MESA RETAINING WALL SYSTEM
 - 3) PYRAMID MODULAR BLOCKWALL
 - 4) RECON RETAINING WALL
 - 5) REDI-ROCK RETAINING WALL-COBBLESTONE FACE MOLD
 - 6) VERSA-LOK RETAINING WALL

TRAFFIC: ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIAL PROVISIONS "MAINTENANCE AND PROTECTION OF TRAFFIC" AND "SECTION 1.08 - PROSECUTION AND PROGRESS."



LEGEND



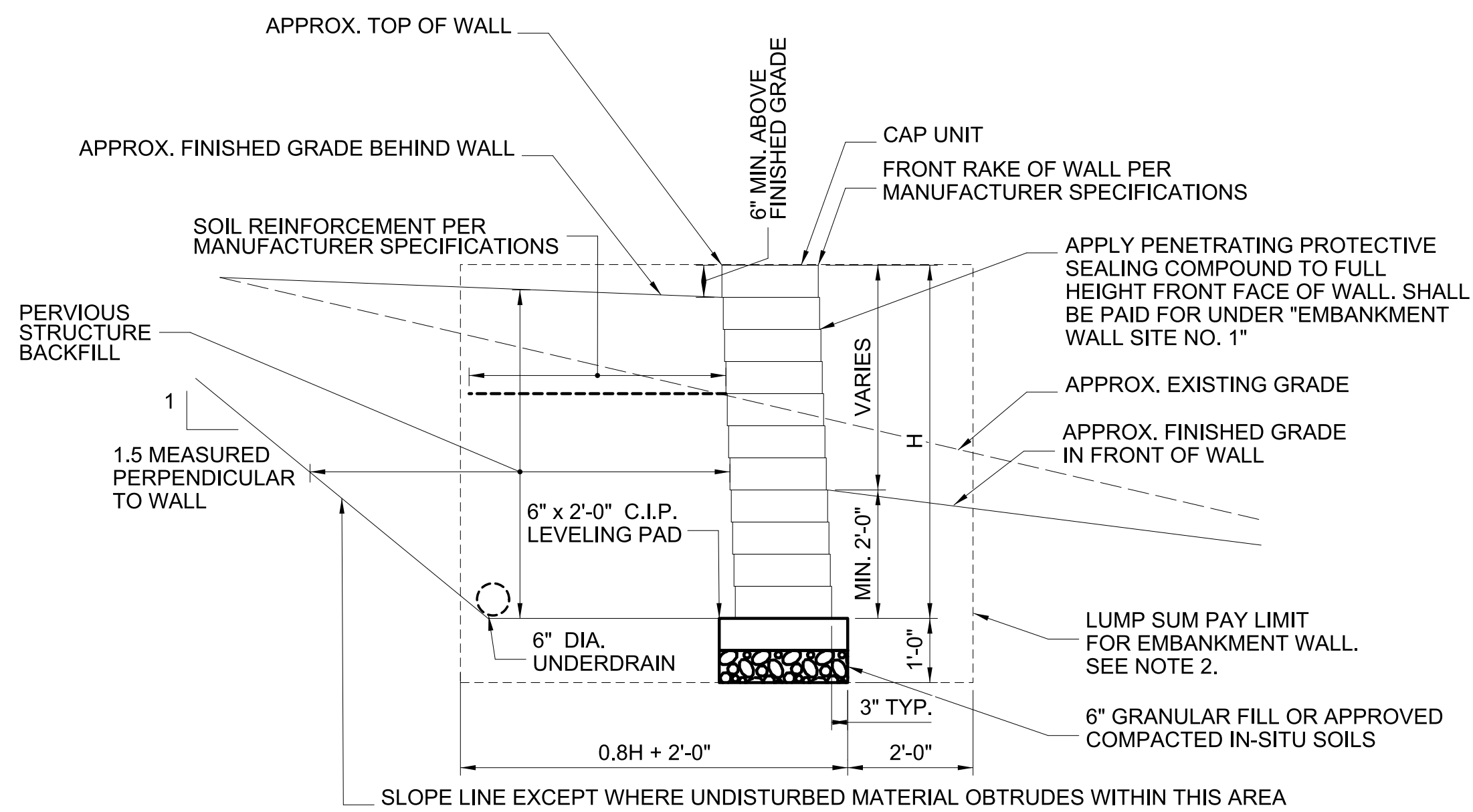
GENERAL PLAN
 SCALE: 1" = 10'

**EMBANKMENT WALL (SITE NO. 1)
 WORKING POINTS**

WORKING POINT	NORTHING	EASTING	EQUIVALENT STA.	OFFSET FROM BASE LINE (FT)
WP-1	421086.38	225459.81	408+40.00	42.75'
WP-2	421111.04	225571.76	409+58.00	40.5'

NOTES:

1. WORKING POINTS TAKEN AT FRONT FACE OF WALL.
2. UNDERDRAIN TO FLOW OUT TO DAYLIGHT.
3. FLOOD LIGHT AND FLAG POLE RELOCATION TO BE PAID FOR UNDER ITEM "CLEARING AND GRUBBING"
4. STONE PILLAR RELOCATION TO BE PAID FOR UNDER ITEM "CEMENT RUBBLE MASONRY"
5. RESET WATER MAIN/ VALVE BOX. REFER TO HIGHWAY SHEETS FOR FURTHER INFORMATION.
6. EMBANKMENT WALL COLOR TO MATCH GREY COLOR OF EXISTING STONE PILLARS.

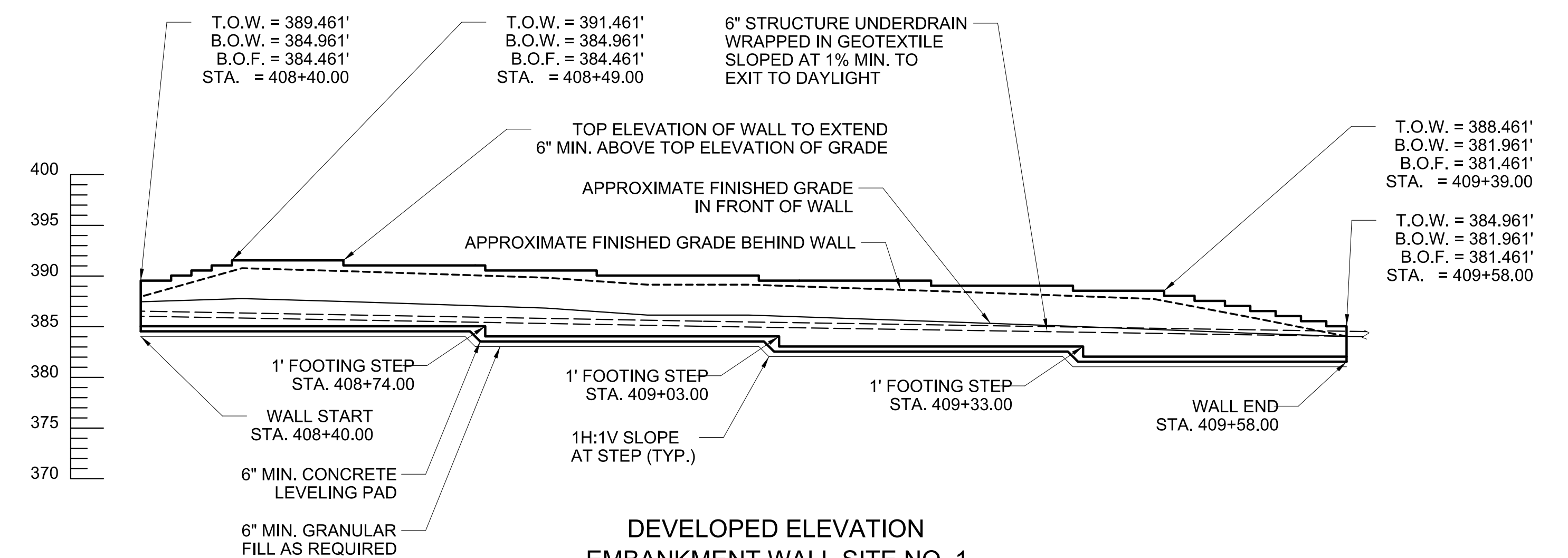


NOTES:

1. MAXIMUM ALLOWED DESIGN FOUNDATION PRESSURE = 4 KSF
2. ANY ADDITIONAL PERVIOUS STRUCTURE BACKFILL REQUIRED OUTSIDE LUMP SUM PAY LIMITS SHALL ALSO BE INCLUDED IN THE LUMP SUM PRICE.

**TYPICAL SECTION
 EMBANKMENT WALL**

SCALE: 1/2" = 1'-0"



**DEVELOPED ELEVATION
 EMBANKMENT WALL SITE NO. 1**

SCALE: 1" = 10'

REV.	DATE	REVISION DESCRIPTION

SCALE AS NOTED

SIGNATURE/
 BLOCK:

OFFICE OF ENGINEERING
 2800 BERLIN TURNPIKE
 NEWINGTON, CT 06111

APPROVED BY:

Andrew J. Cardinali



SAFETY IMPROVEMENTS
 ALONG CT ROUTE 202
 BROOKFIELD

PROJECT NO. 0018-0135
 DRAWING TITLE:
 EMBANKMENT WALL (SITE NO. 1)

DRAWING NO.
 S-02
 SHEET NO.
04.02