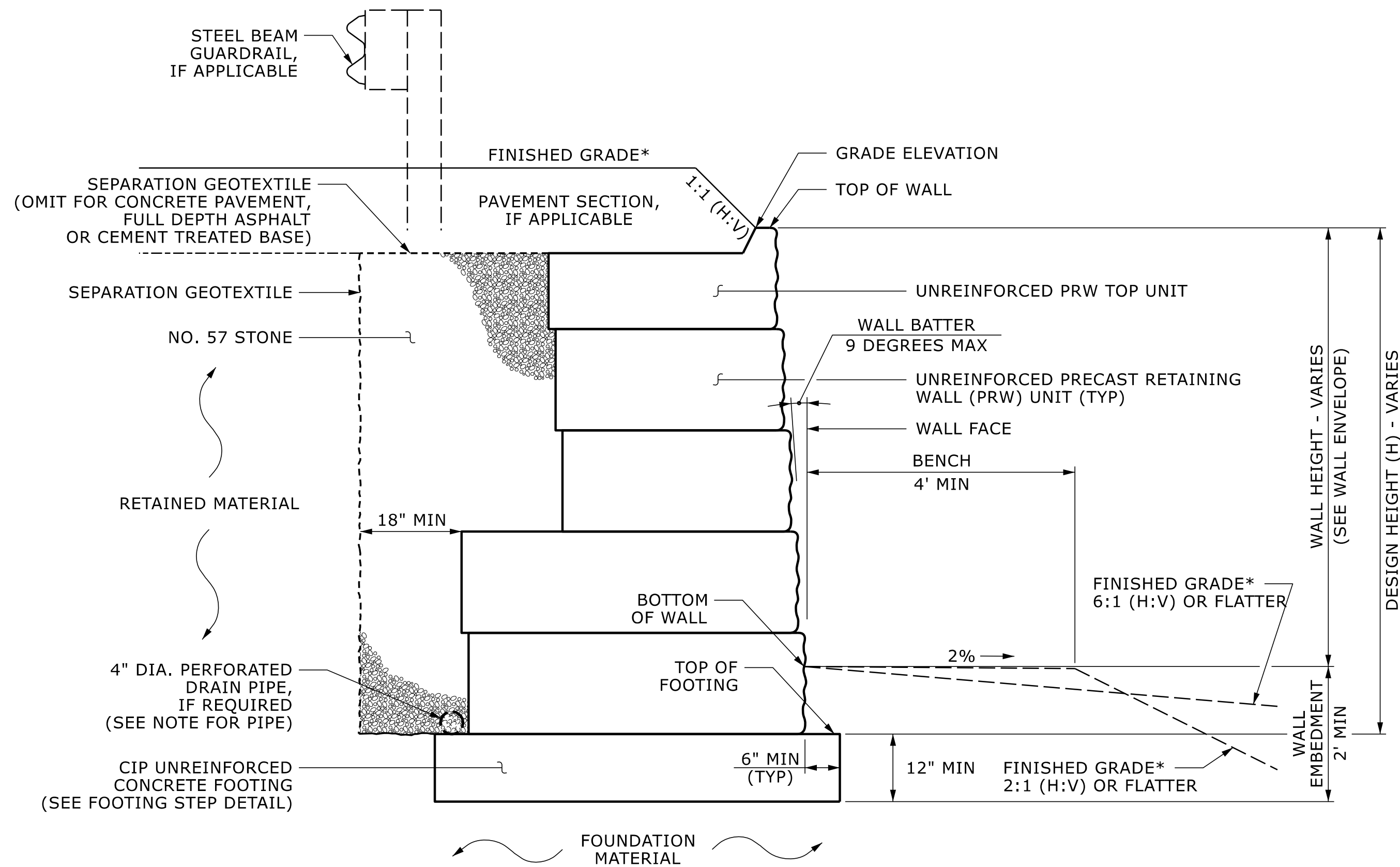




PRECAST GRAVITY WALL WITH
TOP PRW UNIT - TYPICAL SECTION

*SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS.

NOTES:

FOR PRECAST GRAVITY RETAINING WALLS, SEE SECTION 455 OF THE STANDARD SPECIFICATIONS.

USE PRW UNITS WITH A SCULPTED SHOTCRETE FACE FOR RETAINING WALL NO. 16.

A DRAIN PIPE IS REQUIRED FOR RETAINING WALL NO. 16.

BEFORE BEGINNING PRECAST GRAVITY WALL DESIGN FOR RETAINING WALL NO. 16, SURVEY WALL LOCATION AND SUBMIT A REVISED WALL PROFILE VIEW (WALL ENVELOPE) FOR REVIEW. DO NOT START WALL DESIGN OR CONSTRUCTION UNTIL THE REVISED WALL ENVELOPE IS ACCEPTED.

DESIGN RETAINING WALL NO. 16 FOR DESIGN HEIGHTS EQUAL TO THE WALL HEIGHT PLUS DEPTH TO TOP OF FOOTING (DIFFERENCE BETWEEN GRADE ELEVATION AND TOP OF FOOTING ELEVATION).

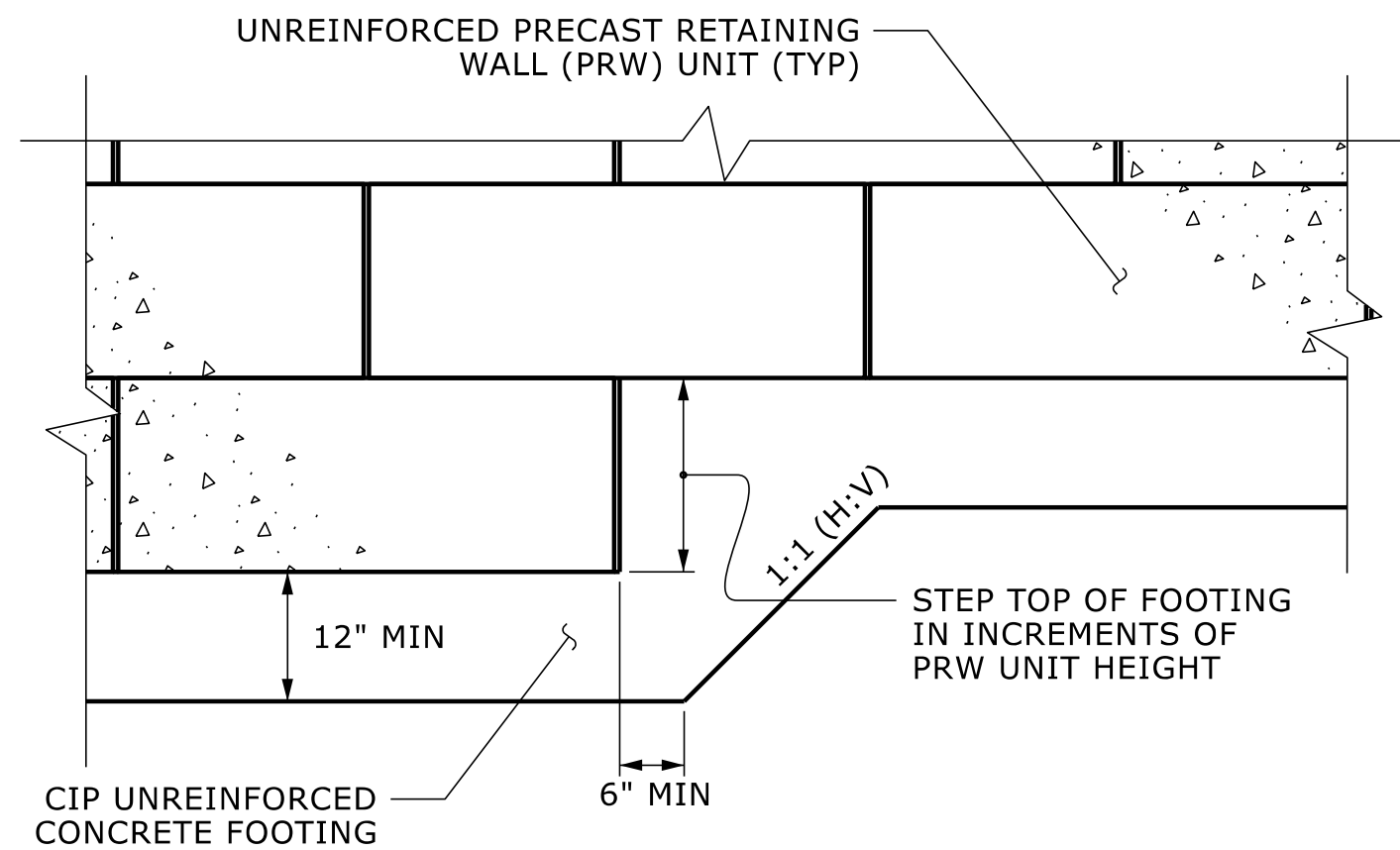
DESIGN RETAINING WALL NO. 16 FOR THE FOLLOWING:

- 1) MAXIMUM FACTORED VERTICAL PRESSURE ON FOUNDATION MATERIAL = 2,000 PSF
- 2) MINIMUM WALL EMBEDMENT ELEVATION = 2 FT
- 3) IN-SITU ASSUMED MATERIAL PARAMETERS:

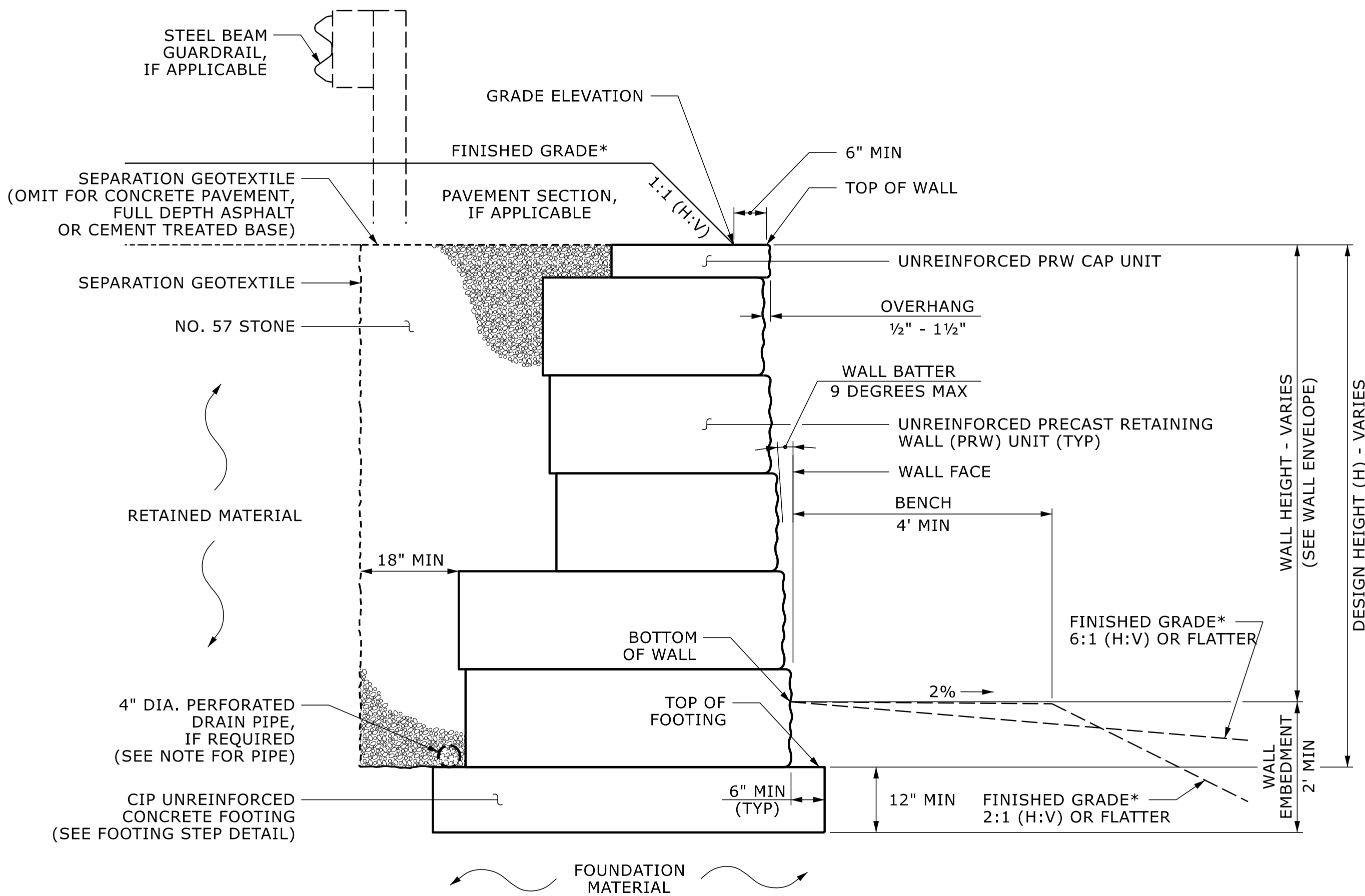
MATERIAL TYPE	UNIT WEIGHT (γ) PCF	FRICTION ANGLE (ϕ) DEGREES	COHESION (c) PSF
RETAINED	120	30	0
FOUNDATION	120	26	0

DESIGN RETAINING WALL NO. 16 FOR A LIVE LOAD (TRAFFIC) SURCHARGE.

DO NOT PLACE CONCRETE FOR FOOTINGS FOR RETAINING WALL NO. 16 UNTIL EXCAVATION DIMENSIONS AND FOUNDATION MATERIAL ARE APPROVED.



FOOTING STEP DETAIL



PRECAST GRAVITY WALL
WITH CAP PRW UNIT
TYPICAL SECTION

*SEE ROADWAY PLANS FOR
FINISHED GRADE DETAILS.

PROJECT NO. **R-5600**

JACKSON COUNTY

STATION: **10+00.00 -WALL 16-**

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

PRECAST GRAVITY WALL
DETAILS AND NOTES
WALL 16

REVISIONS						SHEET NO. W-37
NO.	BY:	DATE:	NO.	BY:	DATE:	
1	--	--	3	--	--	TOTAL SHEETS
2	--	--	4	--	--	46

