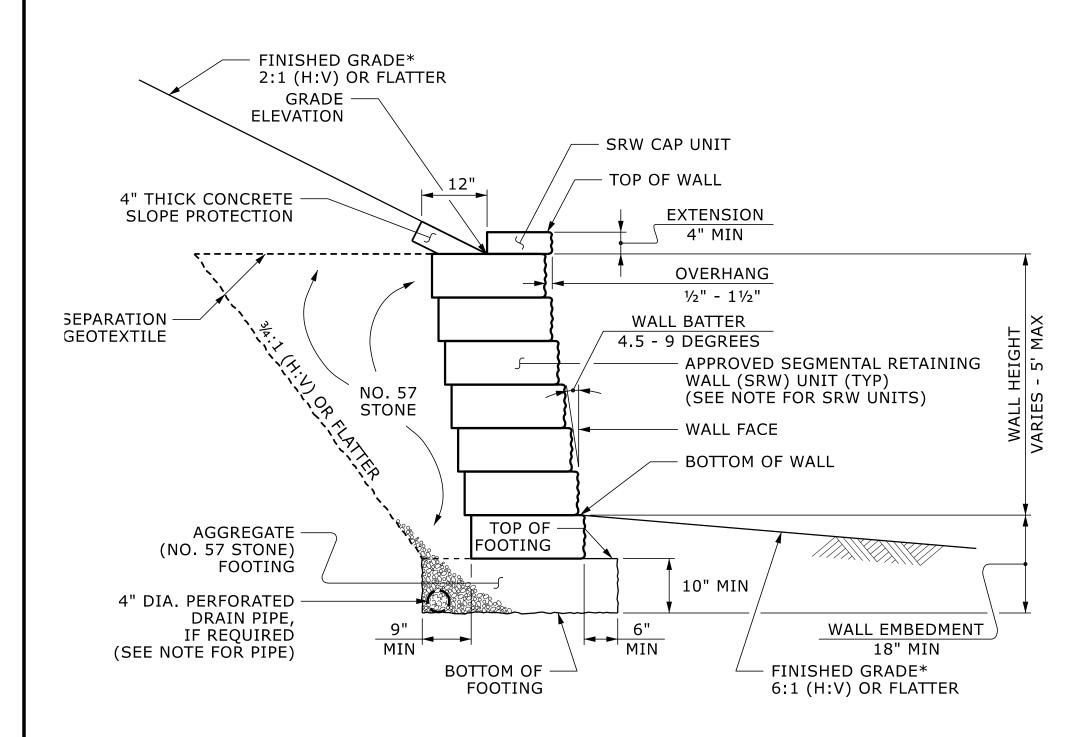
# TOP OF WALL SRW CAP UNIT (TYP) -APPROVED SEGMENTAL RETAINING -WALL (SRW) UNIT (TYP) (SEE NOTE FOR SRW UNITS) MAX TOP OF WALL STEP HEIGHT = SRW UNIT HEIGHT BOTTOM OF WALL — 8" MIN STEP TOP OF FOOTING IN INCREMENTS OF SRW UNIT HEIGHT AGGREGATE (NO. 57 STONE) FOOTING

### STANDARD SEGMENTAL GRAVITY WALL - PARTIAL ELEVATION



#### STANDARD SEGMENTAL GRAVITY WALL WITH SLOPE

\*SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS.

#### 5'-6" MIN (WALL HEIGHT <4') 10' MIN (WALL HEIGHT > 4' - 5') STEEL BEAM GUARDRAIL - SRW CAP UNIT IF APPLICABLÉ GRADE -- TOP OF WALL ELEVATION **EXTENSION** 4" MIN FINISHED GRADE\* OVERHANG PAVEMENT SECTION, 1/2" - 11/2" IF APPLICABLE WALL BATTER 4.5 - 9 DEGREES APPROVED SEGMENTAL RETAINING THE CANAL OF WALL (SRW) UNIT (TYP) (SEE NOTE FOR SRW UNITS) SEPARATION GEOTEXTILE (OMIT FOR CONCRETE PAVEMENT, FULL DEPTH ASPHALT WALL FACE OR CEMENT TREATED BASE) NO. 57 STONE BOTTOM OF WALL SEPARATION GEOTEXTILE

## STANDARD SEGMENTAL GRAVITY WALL WITHOUT SLOPE

BOTTOM OF FOOTING

TOP OF -FOOTING

AGGREGATE

DRAIN PIPE,

IF REQUIRED

FOOTING

(NO. 57 STONE)

4" DIA. PERFORATED

(SEE NOTE FOR PIPE)

\*SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS.

PROJECT NO. **R-5600 JACKSON** COUNTY

STATION: \_\_\_

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

STANDARD SEGMENTAL **GRAVITY WALLS DETAILS** 

WALLS 2, 3, 5, 6, 8, 14, 17 & 18

REVISIONS W-11 NO. BY: DATE: DATE: TOTAL SHEETS

DES BY: P. ZHANG \_ DATE : \_\_02/25 DATE : 01/25
DATE : 02/25 B. PETERSON DWG BY: DES CHK: K. BUSSEY \_ DATE : 03/25 P. ZHANG CHK BY:

HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116

NOTES:

PROJECTS.

SPECIFICATIONS.

SPECIFICATIONS.

IS BELOW WALLS.

ARE REQUIRED.

ENVELOPES ARE ACCEPTED.

MATERIAL ARE APPROVED.

FOR STANDARD SEGMENTAL GRAVITY RETAINING WALLS, SEE SECTION 454 OF THE STANDARD

DO NOT USE STANDARD SEGMENTAL GRAVITY WALLS FOR INTERSTATE HIGHWAY OR RAILROAD

DO NOT USE STANDARD SEGMENTAL GRAVITY WALLS WHEN SURCHARGE LOADS WILL BE WITHIN 5'-6" OF THE BACK OF SRW CAP UNITS FOR WALL HEIGHTS UP TO 4' AND WITHIN 10' OF THE BACK

DO NOT USE STANDARD SEGMENTAL GRAVITY WALLS WHEN VERY LOOSE OR SOFT SOIL OR MUCK

SEGMENTAL RETAINING WALL (SRW) UNITS ARE APPROVED FOR EITHER 2' OR 5' MAXIMUM WALL HEIGHTS. FOR DETAILS AND DIMENSIONS OF APPROVED SRW UNITS AND MAXIMUM WALL HEIGHTS,

GRAVITY WALL. USE THE SAME SIZE APPROVED SRW UNITS FOR EACH WALL SECTION.

A DRAIN PIPE IS REQUIRED IF GROUNDWATER IS ABOVE BOTTOM OF FOOTINGS.

DO NOT MIX APPROVED SRW UNITS FROM DIFFERENT VENDORS ON THE SAME STANDARD SEGMENTAL

FREEZE-THAW DURABLE SRW UNITS THAT MEET ARTICLE 1040-4 OF THE STANDARD SPECIFICATIONS

BEFORE BEGINNING STANDARD SEGMENTAL GRAVITY WALL CONSTRUCTION, SURVEY WALL LOCATIONS AND SUBMIT WALL PROFILE VIEWS (WALL ENVELOPES) FOR REVIEW. FOR WALL ENVELOPES. INCLUDE

BOTTOM OF WALL, EXISTING GROUND AND GRADE ELÉVATIONS AND OTHER ELEVATIONS AS NEEDED AT

INTERVALS OF 25' OR LESS ALONG WALLS. DO NOT START WALL CONSTRUCTION UNTIL WALL

DO NOT PLACE NO. 57 STONE FOR FOOTINGS UNTIL EXCAVATION DIMENSIONS AND FOUNDATION

FOR STEEL BEAM GUARDRAIL, SEE ROADWAY PLANS AND SECTION 862 OF THE STANDARD

DO NOT ATTACH FENCES OR HANDRAILS TO STANDARD SEGMENTAL GRAVITY WALLS.

OF SRW CAP UNITS FOR WALL HEIGHTS GREATER THAN 4' TO 5'.

connect.ncdot.gov/resources/Geological/Pages/Products.aspx

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL 030788

WALL EMBEDMENT

18" MIN

FINISHED GRADE\*

6:1 (H:V) OR FLATTER

10" MIN