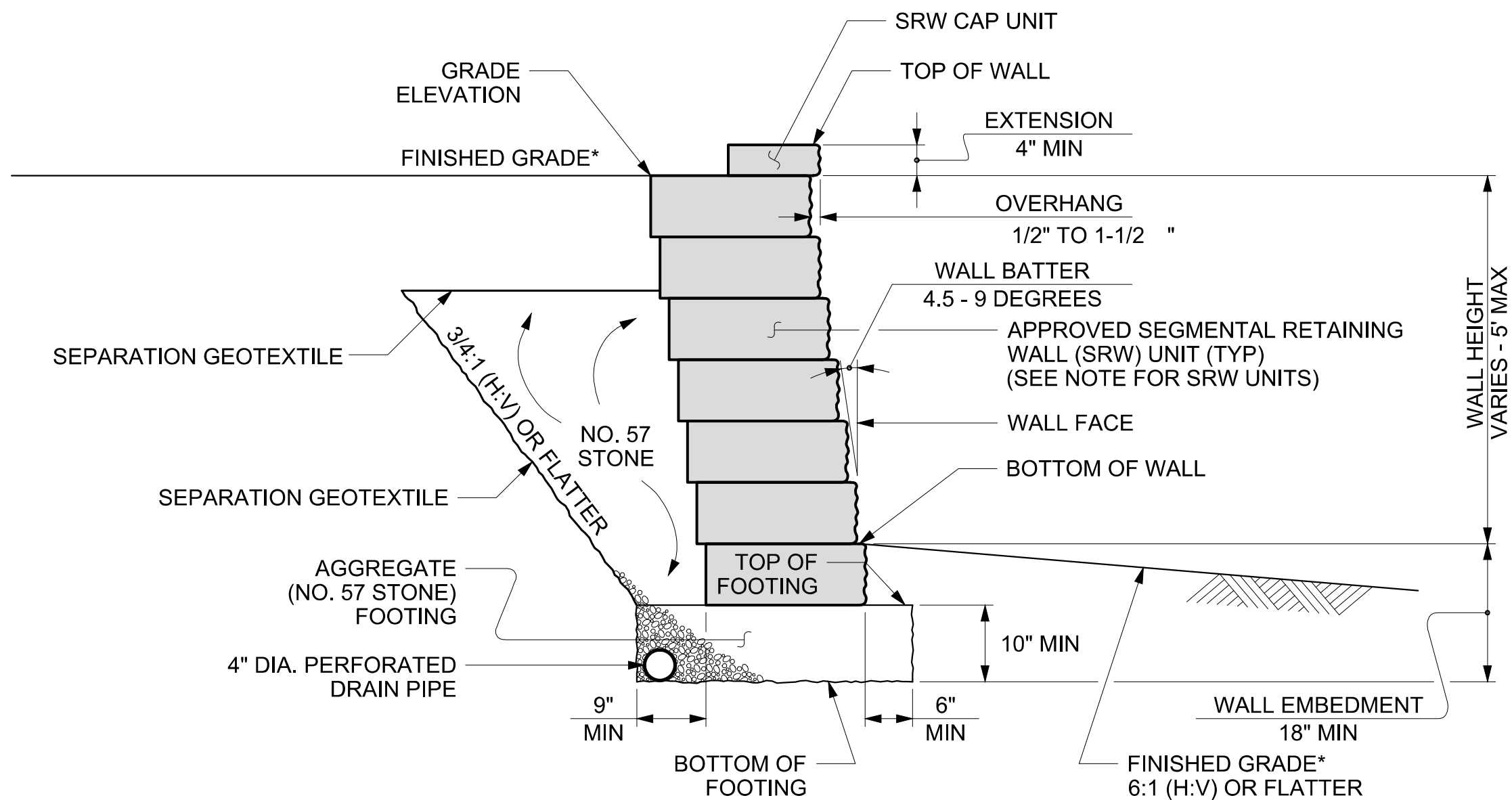


1 STANDARD SEGMENTAL GRAVITY WALL - PARTIAL ELEVATION

SCALE: N.T.S.



*SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS.

2 TYPICAL CROSS SECTIONS-WALLS 1 AND 2

SCALE: N.T.S.

NOTES:

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

A FENCE OR HANDRAIL IS REQUIRED ON THE TOP OF RETAINING WALL NO. 1 AND 2. SEE ROADWAY PLANS FOR FENCE OR HANDRAIL ATTACHMENT DETAILS. DO NOT ATTACH FENCES OR HANDRAILS TO STANDARD SEGMENTAL GRAVITY WALLS.

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

DO NOT USE STANDARD SEGMENTAL GRAVITY WALLS WHEN VERY LOOSE OR SOFT SOIL OR MUCK IS BELOW WALLS. NOTIFY THE ENGINEER IF THESE CONDITIONS ARE ENCOUNTERED AT THE TIME OF CONSTRUCTIONS.

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

DO NOT MIX APPROVED SRW UNITS FROM DIFFERENT VENDORS ON THE SAME STANDARD SEGMENTAL GRAVITY WALL. USE THE SAME SIZE APPROVED SRW UNITS FOR EACH WALL SECTION.

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

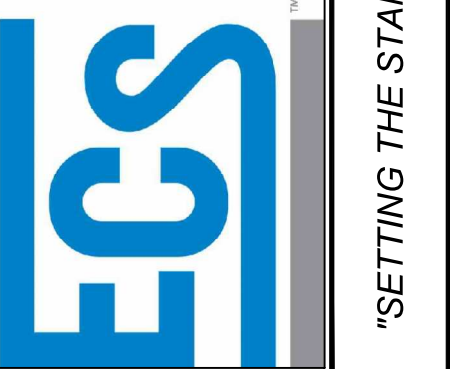
BEFORE BEGINNING STANDARD SEGMENTAL GRAVITY WALL CONSTRUCTION, SURVEY WALL LOCATIONS AND SUBMIT WALL PROFILE VIEWS (WALL ENVELOPES) FOR REVIEW. FOR WALL ENVELOPES, INCLUDE BOTTOM OF WALL, EXISTING GROUND AND GRADE ELEVATIONS AND OTHER ELEVATIONS AS NEEDED AT INTERVALS OF 25' OR LESS ALONG WALLS. DO NOT START WALL CONSTRUCTION UNTIL WALL ENVELOPES ARE ACCEPTED.

A DRAIN PIPE IS REQUIRED ALONG THE ENTIRE LENGTH OF THE RETAINING WALL NO. 1 AND 2.

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



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1900 HENDERSONVILLE ROAD
ASHEVILLE, NC 28803
(828) 665-2307
NC REGISTERED ENGINEERING
FIRM # F-1075



RETAINING WALLS
PROJECT: R-5863
US 64 BUSINESS
FROM US 64 TO SR 107 (MAIN STREET)
CLAY COUNTY, NORTH CAROLINA

SEGMENTAL GRAVITY
RETAINING WALL

ECS REVISIONS	
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-	
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PRINCIPAL	DESIGNER
MAM	RTS
SCALE	
N.T.S.	
PROJECT NO.	
R-5863	
SHEET	
W-4	
DATE	
10/04/2023	