



# City of Dawsonville

## WALL PLAN CHECKLIST

**PROJECT NAME** \_\_\_\_\_  
**LDP#** \_\_\_\_\_ **DATE REVIEWED** \_\_\_\_\_  
**REVIEWED BY** \_\_\_\_\_

Please address all items marked with an "X" below, as well as any additional comments on this checklist or on the redlined plans. Please return this checklist and the redlined plans when resubmitting in order to speed up the revised plan review.

### GENERAL INFORMATION:

1. \_\_\_\_\_ Seal and signature of registered professional engineer on all sheets.  
(two sets + PDF of approved plans)
2. \_\_\_\_\_ Topographic map with all elevations referenced to mean sea level and a contour interval equal to 2 feet and all finish contours.
3. \_\_\_\_\_ Provide complete Design Calculations with the following minimum factor of safety; base sliding 1.5, Overturning 2.0, and Bearing Capacity 2.0 for all walls. Provide the additional FS as follows for MSE walls; sliding along reinforcing layers 1.5, reinforcement pullout 1.5, reinforcement tensile overstress 1.5, facing connection break/pullout 1.5, material uncertainty 1.5, deep seated failure (Bishop's Modified Method) 1.3, 2-part wedge translational failure (Spencer's Method) 1.3, 3-part wedge (Spencer's Method) 1.3, rapid draw down (Bishop's Modified Method) 1.1, Minimum 0.7 Reinforcement Length/Wall Height Ratio, Manufacturer Design Programs are not acceptable for final design, must meet FHWA or NCMA methodology, can use MSEW 3.0, SrWall 2.1, ReSSA 2.0, GSlope, and PCSTABL6. Maximum grid spacing 24 inches. (two sets)
7. \_\_\_\_\_ Provide a minimum 42" handrail (with mid rail) or fence on all walls over 30 inches in Height. Provide design calculations that meet 2018 IBC; Section 1607.7 (50-plf load). Complete Design Calculations or call out pre-engineered Sleeve-It System for foundation is required. Show minimum post type/size/spacing on plans. Wood post not acceptable for fence.
8. \_\_\_\_\_ Provide encroachment agreement for offsite work.
9. \_\_\_\_\_ Plan and profile of all pipes including grade, type of pipe, 25-year HGL, elevations, Proposed cover, manholes and headwalls, outlet control structure.
10. \_\_\_\_\_ Provide detail for reinforced concrete load transfer structure around storm drainpipe through wall and show proper permanent erosion control for outlet.
11. \_\_\_\_\_ Wall must be constructed out of material with at minimum seventy-year life span.
12. \_\_\_\_\_ Note "walls shall be inspected by 3<sup>rd</sup> party engineer, at completion owner will provide the city with a letter of certification that walls have been built per plans and specifications."

ADDITIONAL COMMENTS: \_\_\_\_\_  
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