

PLANNING AND CODE ADMINISTRATION

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**RETAINING WALL
(CAST IN PLACE WALLS (3) THREE FEET AND TALLER)
CHECKLIST**

THIS CHECKLIST IS A GENERAL GUIDE FOR ITEMS THAT ARE TYPICALLY REQUIRED FOR AN APPLICATION. PLEASE CONTACT PUBLIC WORKS AT 301-258-6370 FOR FURTHER CLARIFICATION.

The intent of this checklist is to guide the designer in producing a constructible plan and documents that will enable the user to purchase and install the improvements, fully achieving the proposed function and minimizing construction issues. A third party review and certification is required as part of the submission. Items denoted with an "*" are minimum required as part of the Schematic Development Plan minimum requirements, otherwise all items are applicable at time of submission. In order to reduce delays in review time, the applicant shall make sure all items are complete as possible so that the plans will not be rejected at time of initial review.

Site Plan No. _____ Date: _____

PLAN VIEW

- | | |
|--|--|
| <input type="checkbox"/> Radius | <input type="checkbox"/> Soil Reinforcement Dimensions |
| <input type="checkbox"/> North Arrow* | <input type="checkbox"/> Underdrain Pipe Dimensions |
| <input type="checkbox"/> Scal*e | <input type="checkbox"/> Fence/Guard/Guardrail (as applicable) |
| <input type="checkbox"/> Wall No. (if multiple walls)* | <input type="checkbox"/> Easement and property lines clearly shown* |
| <input type="checkbox"/> Match Line | <input type="checkbox"/> Proposed and Existing Utilities* |
| <input type="checkbox"/> Legend* | <input type="checkbox"/> Footing outline shown* |
| <input type="checkbox"/> Centerline with Stationing and Elevations | <input type="checkbox"/> Components labeled with details of product type and dimensions* |
| <input type="checkbox"/> Beginning and End of Retaining Wall with Stationing and Elevations* | <input type="checkbox"/> Fill Slope Transition labels |
| <input type="checkbox"/> Longitudinal Dimensions* | <input type="checkbox"/> Offset Dimension |

HORIZONTAL CURVE CHART

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> Stationing* | <input type="checkbox"/> Structure Located on Curve |
| <input type="checkbox"/> Bearings | <input type="checkbox"/> Curve Information |

PROFILE

- Existing Ground Line
- Scale
- Match Line
- Projected from Plan View in the same direction
- Longitudinal Dimensions
- Elevations (Top of Wall, Bottom of Wall, Top of Footing and Bottom of Footing)*
- Underdrain Pipe locations and dimension between each pipe
- Wall No. (if multiple walls)
- Fence/Guard/Guardrail (as applicable)
- Existing and Proposed Utility Crossings (including construction details)
- Contraction/Expansion Joint Labels

FOOTING PLAN

- Dimensions*
- Transverse Reinforcing Size/Spacing/Location
- Longitudinal Reinforcing Size/Spacing/Location/Lap
- Construction Joint/Keyway Label
- Match Line
- Legend

TYPICAL SECTION

- Dimensions*
- Elevations*
- Finished Grade*
- Existing Ground Line*
- Top and Bottom of Wall*
- Fill Slope Transition Detail*
- Bottom Limits Slope (if drain system present)*
- Fill Slope*
- Bottom Limits of Excavation*
- Back Limits of Excavation/Bench*
- Backfill Material Label (type and material)*
- Landscaping Rock/Weed Barrier/Root Barrier Label*
- Line Styles/Patterning
- Underdrain Pipes and slope to drain*
- Gravel For Drains Label (material type, class, dimensions)
- Adjacent footings that may be impacted by wall failure
- Steps Details (if applicable)*
- Water Elevation (if applicable)
- Vertical Reinforcing Size/Spacing/Location
- Longitudinal Reinforcing Size/Spacing/Location/Lap
- Contraction/Expansion Joint Labels
- Zone of Influence to all footings*
- Property, Easement or Right of Way Lines*

COMPUTATIONS

- Include all accurate loads (including surcharge & water load)
- Compliance with Soil type (Geotechnical Report)
- Structural calculation, Geotechnical Reports and all supplemental documentation has been received and is consistent with what is proposed.

GENERAL

- Include the Factor of Safety (Sliding, Global Stability, Overturn) on the cover sheet.
- All materials (ex. drainage structures, reinforcement, fencing) spacing and design is compliant with City Code or most applicable regulation.
- Material types (Geotextile fabric, backfill material, strength of materials, type of stone) shown on details or profile sheets.
- Pedestrian fencing meets the City Code. Fences are needed for drops greater than 30", must be a minimum of 42" tall with openings less than 4" and withstand a lateral pressure of 200 lbs concentrated load per IBC.*
- Vehicular guardrails can support impact as per Chapter 13 of AASHTO LRFD Bridge Design Specifications or Roadside Design Guide.*
- Specify methodology of attaching fencing/guard/guardrail to wall, including attachment equipment and hardware.*
- Anything labeled, "by others" has applicable documentation submitted along with the package.
- Maintenance access for future repair shown.*
- All materials must be specified and manufacturer information must be on plans as applicable.
- The retaining wall must be coordinated with all applicable utility plans within the vicinity of the plan, even if the utility is not crossing the wall.*
- All Reinforcing Steel must be placed so there is a minimum of 2" of clearance.
- Trim Contradiction Joints locations must be shown.
- Quantity of Concrete must be shown on the cover sheet.