



# Engineering Comment Responses

Project: Nguyen Residence  
Subject: 2<sup>ND</sup> Review Engineering Comments Permit #2204-199

## Plan Comment Responses in RED below:

1. Concrete, pavers, and pervious pavement are not allowed within City right of way, please remove proposed pervious sidewalk from ROW. **Removed as requested.**
2. Provide driveway section/detail for the pavement overlay to show the driveway is not being replaced, clarify the overlay pavement type (I assumed overlay will match existing asphalt surface. No concrete or pavers allowed in ROW), and provide differentiating hatching between new pervious sidewalks and driveway surfaces. Provide note to protect existing rolled concrete curb & gutter or replace existing c&g from joint to joint. **Added driveway section, hatching, and curb note as requested.**
3. For arch and civil:  
Please update site plans to match. Architectural site plan still shows existing driveway and sidewalks to be maintained. Provide additional grading and dimensioning info. I noted that the new front walk has shifted to the west. **Arch plan updated.**
4. Provide more design and details for the pervious sidewalks such as the pervious surface type (concrete, asphalt, pavers, grid system), details for the material layers/types/thicknesses/etc. See report comment regarding evaluation for feasibility of pervious pavement. **Pervious pavement details added as requested, report comments addressed.**
5. See report comments related to further evaluation of infiltration trench feasibility. **Report comments addressed as requested.**
6. (Repeat comment for civil) Clearing limits are shown over the protected tree, move these limits outside the tree protection zone. Show the tree and all tree protection on C3.0 this must match sheet T1.1. **Clearing limits are no longer shown over the protected tree. Tree location added and direction to install tree protection per T1.1. Tree protection is currently installed and in place on the site as well.**

## SSP Comment Responses in RED below:

1. Section 9.5: Please provide detailed writing demonstrating how downspout infiltration system and pervious pavement meets all 2014 DOE SWMMWW MR#5 List #1 requirements and feasibility criteria. List out item by item the design requirements and each feasibility criteria for the BMPs, provide detailed evaluation against each criteria, and conclude if all design requirements and feasibility criteria are met. **Expanded discussion for MR#5 as requested.**
2. Please provide supporting field data measurements/recordings and calculations for the measured infiltration rate. **Drawdown measurements added, calcs have been included since initial submittal.**

3. Provide soil lab test reports and results to support the visual classification of sandy loam soil and the falling head test. Infiltration testing and visual classification performed on-site by SitePro Engineering. There are no soil lab reports, this has been clarified via 1<sup>st</sup> round comment response and via phone conversation with Kevin Nguyen.