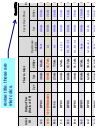


**Subject:** Callout  
**Page Label:** 40  
**Author:** Daniel Torres  
**Date:** 1/11/2023 10:11:36 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

revise the title of the calculation to reflect the contents provided (pipe calcs)



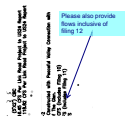
**Subject:** Callout  
**Page Label:** 41  
**Author:** Daniel Torres  
**Date:** 1/11/2023 10:14:05 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

revise title. these are inlet calcs.



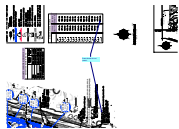
**Subject:** Callout  
**Page Label:** [1] D-1  
**Author:** Daniel Torres  
**Date:** 1/11/2023 11:12:42 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Also Provide total flow with filing 12



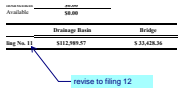
**Subject:** Callout  
**Page Label:** [1] D-1  
**Author:** Daniel Torres  
**Date:** 1/11/2023 11:13:58 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Please also provide flows inclusive of filing 12



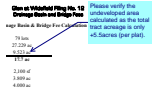
**Subject:** Callout  
**Page Label:** [1] D-1  
**Author:** Daniel Torres  
**Date:** 1/11/2023 11:18:20 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

flows shown do not match



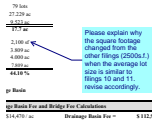
**Subject:** Callout  
**Page Label:** 18  
**Author:** Daniel Torres  
**Date:** 1/11/2023 7:58:24 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

revise to filing 12



**Subject:** Callout  
**Page Label:** 18  
**Author:** Daniel Torres  
**Date:** 1/11/2023 8:28:56 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Please verify the undeveloped area calculated as the total tract acreage is only +5.5acres (per plat).



**Subject:** Callout  
**Page Label:** 18  
**Author:** Daniel Torres  
**Date:** 1/11/2023 8:29:47 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Please explain why the square footage changed from the other filings (2500s.f.) when the average lot size is similar to filings 10 and 11. revise accordingly.

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**Subject:** Callout  
**Page Label:** 5  
**Author:** dotprete  
**Date:** 1/9/2023 5:36:24 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

off

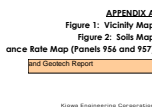
## Cloud+ (1)



**Subject:** Cloud+  
**Page Label:** 7  
**Author:** Daniel Torres  
**Date:** 1/10/2023 6:04:23 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

This appears to be text from a previous report that no longer applies. Revise accordingly.

## Engineer (22)



**Subject:** Engineer  
**Page Label:** 1  
**Author:** dotprete  
**Date:** 1/10/2023 1:27:29 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

and Geotech Report



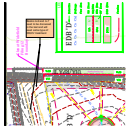
**Subject:** Engineer  
**Page Label:** [1] D-2 (2)  
**Author:** dotprete  
**Date:** 1/10/2023 1:45:51 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

flows do not match D-8 basin flows. should be considered part of D-2 and D-9



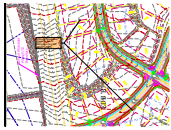
**Subject:** Engineer  
**Page Label:** [1] D-2 (2)  
**Author:** dotprete  
**Date:** 1/10/2023 10:30:53 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Flows do not match D-10 basin flows. Should be considered part of D-9



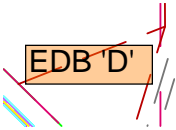
**Subject:** Engineer  
**Page Label:** [1] IRF-1  
**Author:** dotprete  
**Date:** 1/10/2023 12:40:29 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Basins A-6 and A-7 need to be discussed in the text and will need some type of WQCV treatment



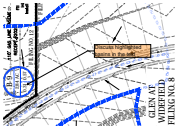
**Subject:** Engineer  
**Page Label:** [1] IRF-1  
**Author:** dotprete  
**Date:** 1/10/2023 12:41:45 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Drainage Basin Map shows the basin delineation like this, please confirm.



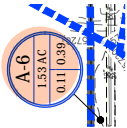
**Subject:** Engineer  
**Page Label:** [1] IRF-1  
**Author:** dotprete  
**Date:** 1/10/2023 12:42:30 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

EDB 'D'



**Subject:** Engineer  
**Page Label:** [1] D-2 (2)  
**Author:** dotprete  
**Date:** 1/10/2023 12:49:01 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Discuss highlighted basins in the text



**Subject:** Engineer  
**Page Label:** [1] D-2 (2)  
**Author:** dotprete  
**Date:** 1/10/2023 12:49:10 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



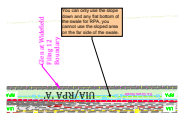
**Subject:** Engineer  
**Page Label:** [1] IRF-1  
**Author:** dotprete  
**Date:** 1/11/2023 4:19:53 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

in accordance with the MHFD, runoff reduction has vegetation requirements that have been overlooked in the past. Going forward the following will be required for runoff reduction:

- All RPA/SPA areas will need to be within a no build/drainage easement (or tract) and discussed in the maintenance agreement and O&M manual.
- RPA/SPA vegetation should be turf grass (from seed [provide appropriate seed mix] or sod).
- Turf grass vegetation should have a uniform density of at least 80%.
- Irrigation (temp or permanent) is necessary to establish sufficient vegetation and not just weeds.
- Show suitability of topsoil of RPA/SPA and steps for proper preparation of topsoil per recommendations in MHFD detail T-0 Table RR-3
- RPA/SPA limits must be shown on GEC Plans (not just FDR) so our SW inspectors and the QSM know that these areas are to remain pervious, vegetated (80%), and irrigated post-construction.

Other requirements that have either been done or do not pertain to this project but I wanted to note for all future projects:

- Provide a figure showing all proposed UIA, RPA and SPA areas to be utilized for runoff reduction.
- Provide a detail for the UIA:RPA interface that shows the recommended vertical drop of 4".



**Subject:** Engineer  
**Page Label:** [1] IRF-1  
**Author:** dotprete  
**Date:** 1/11/2023 4:35:37 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

You can only use the slope down and any flat bottom of the swale for RPA, you cannot use the sloped area on the far side of the swale.

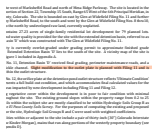


**Subject:** Engineer  
**Page Label:** [1] IRF-1  
**Author:** dotprete  
**Date:** 1/11/2023 4:35:58 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Since adding a Plat note that states there are to be no impervious areas in set backs has not been an option on past projects, consider the orange areas to be UIA and the green areas to be RPA. Note: you only need to achieve 60% WQCV, so the less RPA you have, the less sod, watering and maintenance of the RPA will be required.

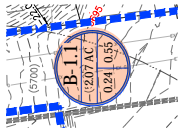
Detention Basin 'D' which was constructed with the property is currently owner-graded and conditions. Extended Detention Basin 'D' has 1 shown on Figure 1 included in Appendix A.  
 With Filing No. 11 Detention Basin 'D' receives low-flow trickles channel. Slight modification suggested within the south structure.  
 With Filing No. 12, the surface plate at the detent which represents a full build-out condition, and tributary areas impacted by new development.  
 The existing vegetative cover within the dove grasses throughout the site. The existing grass percent. Soil within the subject site are moist

**Subject:** Engineer  
**Page Label:** 3  
**Author:** dotprete  
**Date:** 1/9/2023 3:01:23 PM  
**Status:**  
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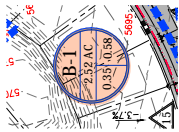
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**Subject:** Engineer  
**Page Label:** 3  
**Author:** dotprete  
**Date:** 1/9/2023 3:01:28 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



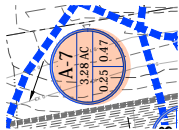
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**Subject:** Engineer  
**Page Label:** [1] D-2 (2)  
**Author:** dotprete  
**Date:** 1/9/2023 3:23:27 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



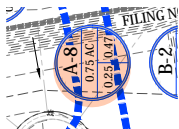
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**Subject:** Engineer  
**Page Label:** [1] D-2 (2)  
**Author:** dotprete  
**Date:** 1/9/2023 3:23:39 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



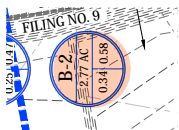
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**Subject:** Engineer  
**Page Label:** [1] D-2 (2)  
**Author:** dotprete  
**Date:** 1/9/2023 3:23:41 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



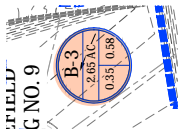
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**Subject:** Engineer  
**Page Label:** [1] D-2 (2)  
**Author:** dotprete  
**Date:** 1/9/2023 3:23:47 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

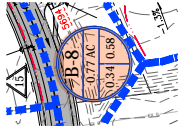


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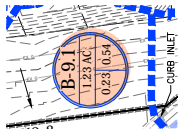
**Subject:** Engineer  
**Page Label:** [1] D-2 (2)  
**Author:** dotprete  
**Date:** 1/9/2023 3:23:50 PM  
**Status:**  
**Color:** ■  
**Layer:**  
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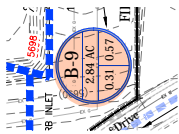
**Subject:** Engineer  
**Page Label:** [1] D-2 (2)  
**Author:** dotprete  
**Date:** 1/9/2023 3:23:52 PM  
**Status:**  
**Color:** ■  
**Layer:**  
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**Subject:** Engineer  
**Page Label:** [1] D-2 (2)  
**Author:** dotprete  
**Date:** 1/9/2023 3:23:55 PM  
**Status:**  
**Color:** ■  
**Layer:**  
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**Subject:** Engineer  
**Page Label:** [1] D-2 (2)  
**Author:** dotprete  
**Date:** 1/9/2023 3:23:57 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



**Subject:** Engineer  
**Page Label:** [1] D-2 (2)  
**Author:** dotprete  
**Date:** 1/9/2023 3:24:02 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

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### Highlight (9)

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**Subject:** Highlight  
**Page Label:** 9  
**Author:** Daniel Torres  
**Date:** 1/10/2023 10:37:10 PM  
**Status:**  
**Color:** ■  
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**Subject:** Highlight  
**Page Label:** 3  
**Author:** Daniel Torres  
**Date:** 1/10/2023 4:24:10 PM  
**Status:**  
**Color:** ■  
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**Subject:** Highlight  
**Page Label:** 3  
**Author:** Daniel Torres  
**Date:** 1/10/2023 4:24:11 PM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**




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**Subject:** Highlight  
**Page Label:** 3  
**Author:** Daniel Torres  
**Date:** 1/10/2023 5:07:13 PM  
**Status:**  
**Color:**   
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**Subject:** Highlight  
**Page Label:** 3  
**Author:** Daniel Torres  
**Date:** 1/10/2023 5:07:16 PM  
**Status:**  
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**Subject:** Highlight  
**Page Label:** 4  
**Author:** Daniel Torres  
**Date:** 1/10/2023 5:13:59 PM  
**Status:**  
**Color:**   
**Layer:**  
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**Subject:** Highlight  
**Page Label:** 4  
**Author:** Daniel Torres  
**Date:** 1/10/2023 5:14:00 PM  
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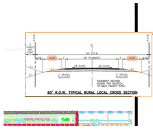
**Subject:** Highlight  
**Page Label:** 4  
**Author:** Daniel Torres  
**Date:** 1/10/2023 5:14:02 PM  
**Status:**  
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**Layer:**  
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**Subject:** Highlight  
**Page Label:** 7  
**Author:** Daniel Torres  
**Date:** 1/10/2023 6:12:46 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

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Image (1)



**Subject:** Image  
**Page Label:** [1] IRF-1  
**Author:** dotprete  
**Date:** 1/11/2023 4:35:05 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

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Line (2)

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**Subject:** Line  
**Page Label:** 3  
**Author:** dotprete  
**Date:** 1/10/2023 12:51:32 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

at downstream of Moss Bridge. The north portion of the  
roadway corridor to proposed extended Dimension 1  
is prefaced with the letter 'T' and are numbered sequent  
The site consist of rear lot margins which cannot be cu  
areas are expected to consist of trees and rear slope at  
conditions. These marginal areas will achieve 40%  
lines of basinfestation (Dimension 100) - map. The se  
on Drainage Plan Sheet 1 provided in a map pocket at

1 Kiewit Engineering

**Subject:** Line  
**Page Label:** 3  
**Author:** dotprete  
**Date:** 1/10/2023 12:51:42 PM  
**Status:**  
**Color:** ■  
**Layer:**  
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Pen (1)

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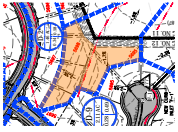
**Subject:** Pen  
**Page Label:** 5  
**Author:** Daniel Torres  
**Date:** 1/10/2023 5:30:28 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

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Polygon (5)



**Subject:** Polygon  
**Page Label:** [1] D-2 (2)  
**Author:** dotprete  
**Date:** 1/10/2023 10:33:00 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



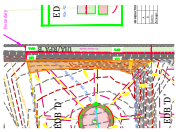
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**Subject:** Polygon  
**Page Label:** [1] D-2 (2)  
**Author:** dotprete  
**Date:** 1/10/2023 10:33:20 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



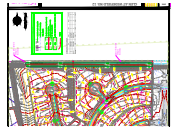
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**Subject:** Polygon  
**Page Label:** [1] IRF-1  
**Author:** dotprete  
**Date:** 1/11/2023 4:21:13 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



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**Subject:** Polygon  
**Page Label:** [1] IRF-1  
**Author:** dotprete  
**Date:** 1/11/2023 4:24:17 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



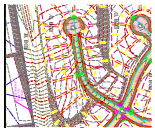
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**Subject:** Polygon  
**Page Label:** [1] IRF-1  
**Author:** dotprete  
**Date:** 1/11/2023 4:33:15 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

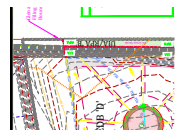
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## PolyLine (5)

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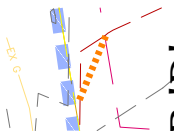


**Subject:** PolyLine  
**Page Label:** [1] IRF-1  
**Author:** dotprete  
**Date:** 1/10/2023 11:07:20 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

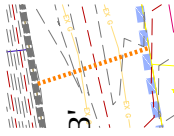


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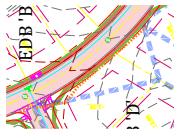
**Subject:** PolyLine  
**Page Label:** [1] IRF-1  
**Author:** dotprete  
**Date:** 1/10/2023 12:37:57 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



**Subject:** PolyLine  
**Page Label:** [1] IRF-1  
**Author:** dotprete  
**Date:** 1/10/2023 12:39:21 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



**Subject:** PolyLine  
**Page Label:** [1] IRF-1  
**Author:** dotprete  
**Date:** 1/10/2023 12:39:39 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



**Subject:** PolyLine  
**Page Label:** [1] IRF-1  
**Author:** dotprete  
**Date:** 1/10/2023 12:41:37 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

---

### Stormwater Comments Color (1)

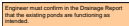


**Subject:** Stormwater Comments Color  
**Page Label:** 1  
**Author:** dotprete  
**Date:** 1/10/2023 1:26:48 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

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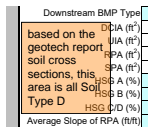
### Text Box (7)

convey captured flow to 100-year capacity curb DP 93a, and 93b, and ultimately convey those to the Outer Structure). Runoff from Sub-basins 1



**Subject:** Text Box  
**Page Label:** 10  
**Author:** dotprete  
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Engineer must confirm in the Drainage Report that the existing ponds are functioning as intended.



**Subject:** Text Box  
**Page Label:** 83  
**Author:** dotprete  
**Date:** 1/10/2023 1:07:18 PM  
**Status:**  
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based on the geotech report soil cross sections, this area is all Soil Type D

Will flows that aren't going to Pond D (Basins A and B) be treated at a different pond?

Evaluation: the Count calculatec The deten three-stag The deten The follow Basin 'D':

**Subject:** Text Box  
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**Author:** dotprete  
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Will flows that aren't going to Pond D (Basins A and B) be treated at a different pond?

red for the site with the extended detention basin, referred to as structured with The Glen at Waterford Filing No. 11. at ground surface grading process to approximate finished grade Basin 'D' line to the south of the site. A vicinity map of the site is provided.

**Subject:** Text Box  
**Page Label:** 3  
**Author:** dotprete  
**Date:** 1/10/2023 12:52:39 PM  
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has this been completed? provide pond design spreadsheets

CP9576 (both with effective dates of December 7, 2011) ESRs also show that the property to be developed with 1 regulated floodplain in an unshaded Zone X area, which is 1.2

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**Author:** dotprete  
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Please discuss all basins in filing 12, including A-6, A-7, A-8, B-1, B-1.1, B-2, B-3, B-8, B-9 and B-9.1

division covering these elements such as 'D', and B? what about Basin A?

**Subject:** Text Box  
**Page Label:** 12  
**Author:** dotprete  
**Date:** 1/10/2023 12:54:20 PM  
**Status:**  
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and B? what about Basin A?

Clarify the discrepancy

**Subject:** Text Box  
**Page Label:** 24  
**Author:** Daniel Torres  
**Date:** 1/11/2023 11:27:09 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Clarify the discrepancy