

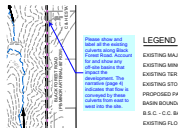
# V1\_Drainage Report - Preliminary comments.pdf Markup Summary

## Callout (27)

including the road right-of-way, the water resources to be reviewed for the creation of the site. The total weighted wetland development conditions of all parcels will be developed as filing 3 is concurrently being reviewed.

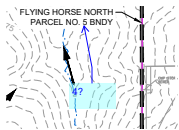
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**Page Label:** 7  
**Author:** Daniel Torres  
**Date:** 12/7/2023 10:01:23 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

will be developed as filing 3 is concurrently being reviewed



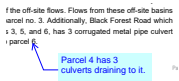
**Subject:** Callout  
**Page Label:** 137  
**Author:** Daniel Torres  
**Date:** 12/7/2023 10:13:06 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Please show and label all the existing culverts along Black Forest Road. Account for and show any off-site basins that impact the development. The narrative (page 4) indicates that flow is conveyed by these culverts from east to west into the site.



**Subject:** Callout  
**Page Label:** 137  
**Author:** Daniel Torres  
**Date:** 12/7/2023 10:15:16 PM  
**Status:**  
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4?



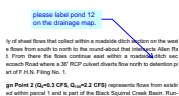
**Subject:** Callout  
**Page Label:** 7  
**Author:** Daniel Torres  
**Date:** 12/7/2023 10:20:55 PM  
**Status:**  
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**Space:**

Parcel 4 has 3 culverts draining to it.



**Subject:** Callout  
**Page Label:** 10  
**Author:** Daniel Torres  
**Date:** 12/8/2023 10:01:07 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Per County GIS Allen Ranch Rd is a rural local road with no curb & gutter. Revise



**Subject:** Callout  
**Page Label:** 10  
**Author:** Daniel Torres  
**Date:** 12/8/2023 10:03:24 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

please label pond 12 on the drainage map.

Subject: Callout  
Page Label: 10  
Author: Daniel Torres  
Date: 12/8/2023 10:05:32 AM  
Status:  
Color: ■  
Layer:  
Space:

label on the drainage plan

Subject: Callout  
Page Label: 10  
Author: Daniel Torres  
Date: 12/8/2023 10:08:28 AM  
Status:  
Color: ■  
Layer:  
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OS6 appears to be Tract L Golf Course. Revise

Subject: Callout  
Page Label: 11  
Author: Daniel Torres  
Date: 12/8/2023 10:10:39 AM  
Status:  
Color: ■  
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OS7

Subject: Callout  
Page Label: 11  
Author: Daniel Torres  
Date: 12/8/2023 10:16:06 AM  
Status:  
Color: ■  
Layer:  
Space:

os6

Subject: Callout  
Page Label: 12  
Author: Daniel Torres  
Date: 12/8/2023 10:17:03 AM  
Status:  
Color: ■  
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OS7

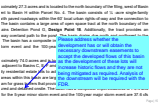
Subject: Callout  
Page Label: 12  
Author: Daniel Torres  
Date: 12/8/2023 10:17:52 AM  
Status:  
Color: ■  
Layer:  
Space:

os6



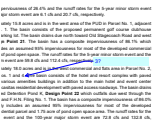


**Subject:** Callout  
**Page Label:** 18  
**Author:** Daniel Torres  
**Date:** 12/8/2023 11:52:43 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



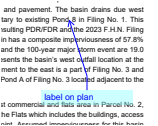
**Subject:** Callout  
**Page Label:** 18  
**Author:** Daniel Torres  
**Date:** 12/8/2023 12:11:02 PM  
**Status:**  
**Color:** ■  
**Layer:**  
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Please address whether the development has or will obtain the necessary downstream easements to accept the developed flows of this basin as the development of these lots will increase historic flows and they are not being mitigated as required. Analysis of the downstream will be required with the FDR.



**Subject:** Callout  
**Page Label:** 19  
**Author:** Daniel Torres  
**Date:** 12/8/2023 12:15:43 PM  
**Status:**  
**Color:** ■  
**Layer:**  
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3?



**Subject:** Callout  
**Page Label:** 19  
**Author:** Daniel Torres  
**Date:** 12/8/2023 12:17:29 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

label on plan



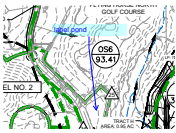
**Subject:** Callout  
**Page Label:** 21  
**Author:** Daniel Torres  
**Date:** 12/8/2023 12:27:19 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

There are existing Filing 1 lots within this basin. Revise text and ensure that they are accounted for.



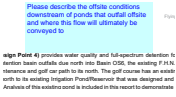
**Subject:** Callout  
**Page Label:** 21  
**Author:** Daniel Torres  
**Date:** 12/8/2023 12:25:36 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

filing 4 or parcel 4?



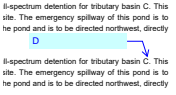
**Subject:** Callout  
**Page Label:** 138  
**Author:** Daniel Torres  
**Date:** 12/8/2023 12:30:51 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

label pond



**Subject:** Callout  
**Page Label:** 26  
**Author:** Daniel Torres  
**Date:** 12/8/2023 1:07:06 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

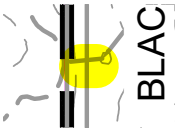
Please describe the offsite conditions downstream of ponds that outfall offsite and where this flow will ultimately be conveyed to



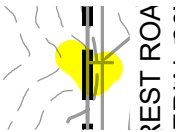
**Subject:** Callout  
**Page Label:** 26  
**Author:** Daniel Torres  
**Date:** 12/8/2023 12:47:33 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

D

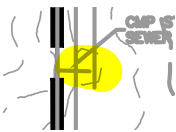
Highlight (8)



**Subject:** Highlight  
**Page Label:** 137  
**Author:** Daniel Torres  
**Date:** 12/7/2023 10:13:34 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**




**Subject:** Highlight  
**Page Label:** 137  
**Author:** Daniel Torres  
**Date:** 12/7/2023 10:14:03 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**




**Subject:** Highlight  
**Page Label:** 137  
**Author:** Daniel Torres  
**Date:** 12/7/2023 10:14:11 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**


Proposed PL  
g No. 3 ha  
is There a

**Subject:** Highlight  
**Page Label:** 8  
**Author:** Daniel Torres  
**Date:** 12/7/2023 10:21:45 PM  
**Status:**  
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**Layer:**  
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n. HOWEVE  
it. 


**Subject:** Highlight  
**Page Label:** 9  
**Author:** Daniel Torres  
**Date:** 12/7/2023 10:28:41 PM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**


pass underneath Old Stagecoach F  
tge swale that flows north off-site.  
harge rates, from the reservoir, for  
t are 12.0 cfs and 124.0 cfs, respe  
is located within the western half  
, and EX16. The offsite basin was  
i space with native weeds/grasses


**Subject:** Highlight  
**Page Label:** 15  
**Author:** Daniel Torres  
**Date:** 12/8/2023 11:27:44 AM  
**Status:**  
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12.0 cfs and 124.0 cfs,

and is tribute  
s of 15.7% al  
event are !

**Subject:** Highlight  
**Page Label:** 18  
**Author:** Daniel Torres  
**Date:** 12/8/2023 11:56:55 AM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**

ent rainfall  
red. 


**Subject:** Highlight  
**Page Label:** 28  
**Author:** Daniel Torres  
**Date:** 12/8/2023 1:38:04 PM  
**Status:**  
**Color:**   
**Layer:**  
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Stamp - Stormwater Comment Legend (1)

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**Subject:** Stamp - Stormwater Comment Legend  
**Page Label:** 1  
**Author:** Mikayla Hartford  
**Date:** 12/4/2023 12:51:33 PM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**

## SW - Highlight (19)

Point 6 (Q<sub>5</sub>=3.9 CFS, Q<sub>100</sub>=28.8 CFS) represents within parcel 3 and is part of the East Cherry Creek sheet flows that drain south off-site into Edmo

Point 7 (Q<sub>5</sub>=22.4 CFS, Q<sub>100</sub>=148.9 CFS) represents Basin OS1 flows into EX7 from the east at part of the East Cherry Creek Basin. Run-off is within an existing tertiary drainage swale. This design point continues into off-site basin

**Subject:** SW - Highlight  
**Page Label:** 10

**Author:** Mikayla Hartford  
**Date:** 12/5/2023 9:05:56 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

(Q<sub>5</sub>=22.4 CFS, Q<sub>100</sub>=148.9 CFS)

Basin OS1 flows into EX7 from the east at part of the East Cherry Creek Basin. Run-off is within an existing tertiary drainage swale. This design point continues into off-site basin

Point 8 (Q<sub>5</sub>=22.7 CFS, Q<sub>100</sub>=141.0 CFS) represents Basin OS2 flows into EX8 from the east at part of the East Cherry Creek Basin. Run-off is within an existing tertiary drainage swale. This design point represents tract L of the F.H.N.

**Subject:** SW - Highlight  
**Page Label:** 10

**Author:** Mikayla Hartford  
**Date:** 12/5/2023 9:05:59 AM  
**Status:**  
**Color:** ■  
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**Space:**

(Q<sub>5</sub>=22.7 CFS, Q<sub>100</sub>=141.0 CFS)

F.H.N. Golf Course and is actively in use. Within the tract in between greens, golf cart paths, a cart bridge over an water pond. The retention pond has been designed with an earth that releases water into the larger golf course water feature (tract L of F.H.N. Golf course). All storage retaining the flow release reaches and the existing tertiary drainage swale elevation reaches a height that allows spillage to occur into the

Design Point 19 (Q<sub>5</sub>=15.0 CFS, Q<sub>100</sub>=145.7 CFS) represents as well as the habitat flow from the jurisdictional riparian in between parcel 3 and is part of the East Cherry Creek sheet flows that are directed south-west and into Pond. Flow are released from the upstream riparian reservoir (tract L of F.H.N. Golf course) that spill out into a 20' wide rock chute that is flow and then directed into the existing tertiary drainage and

**Subject:** SW - Highlight  
**Page Label:** 12

**Author:** Mikayla Hartford  
**Date:** 12/5/2023 9:15:32 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Design Point 19 (Q<sub>5</sub>=15.0 CFS, Q<sub>100</sub>=145.7 CFS)

Point 25 (Q<sub>5</sub>=11.2 CFS, Q<sub>100</sub>=62.1 CFS) represents within parcel 5 and is part of the East Cherr sheet flows that drain north-west directly off-site to the associated design point.

Point 26 (Q<sub>5</sub>=7.7 CFS, Q<sub>100</sub>=40.8 CFS) represents just east of basin EX7 and is part of the East Cherr sheet flows that drain west towards the site. Flows that enter the site are then naturally able to flow west.

**Subject:** SW - Highlight  
**Page Label:** 13

**Author:** Mikayla Hartford  
**Date:** 12/5/2023 9:20:06 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

(Q<sub>5</sub>=7.7 CFS, Q<sub>100</sub>=40.8 CFS)

just east of basin EX7 and is part of the East Cherr sheet flows that drain west towards the site. Flows that enter the site are then naturally able to flow west.

Point 27 (Q<sub>5</sub>=13.1 CFS, Q<sub>100</sub>=69.9 CFS) represents just east of existing sub-basins EX7 and EX8. This sub-basin consists mostly of sheet flow that begins at the associated design point in basin EX8.

**Subject:** SW - Highlight  
**Page Label:** 13

**Author:** Mikayla Hartford  
**Date:** 12/5/2023 9:20:39 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

(Q<sub>5</sub>=13.1 CFS, Q<sub>100</sub>=69.9 CFS)

storm infrastructure that had been constructed includes 2 on-grade storm inlets, 2 sump inlets, and 1 pond releases flows at historic rates which are released from the pond into the existing tertiary

Point 31 (Q<sub>5</sub>=12.0 CFS, Q<sub>100</sub>=124.0 CFS) represents on design points 7, 8, 17, 18, and 30. Basin OS6 off Course and is part of the East Cherry Creek, as well as the irrigation reservoir. Flows entering this sub-basin with the flows associated with this design point are released from the pond into the existing tertiary

**Subject:** SW - Highlight  
**Page Label:** 13

**Author:** Mikayla Hartford  
**Date:** 12/5/2023 9:21:17 AM  
**Status:**  
**Color:** ■  
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**Space:**

(Q<sub>5</sub>=12.0 CFS, Q<sub>100</sub>=124.0 CFS) r

NOT FOR CONSTRUCTION PERMITS  
This drawing is for informational purposes only. It is not to be used for construction permits. The information contained herein is for informational purposes only and does not constitute a contract. The information contained herein is for informational purposes only and does not constitute a contract. The information contained herein is for informational purposes only and does not constitute a contract.

**Subject:** SW - Highlight  
**Page Label:** 16  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 9:23:23 AM  
**Status:**  
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100 percent runoff reduction and are exempt from detention requirements

composite imp  
100-year major

- **Basin A1** is ap east onsite are family resident

**Subject:** SW - Highlight  
**Page Label:** 17  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 9:43:28 AM  
**Status:**  
**Color:** ■  
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**Space:**

Basin A1

the runoff rate and 29.0 cfs, r

- **Basin A2** is a east of the exit single-family r

**Subject:** SW - Highlight  
**Page Label:** 17  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 10:04:09 AM  
**Status:**  
**Color:** ■  
**Layer:**  
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Basin A2

respectively

- **Basin H** is ε half of the fil

**Subject:** SW - Highlight  
**Page Label:** 18  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 10:44:40 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Basin H

at the filing l

- **Basin I** is a No. 1, west

**Subject:** SW - Highlight  
**Page Label:** 19  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 11:14:56 AM  
**Status:**  
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Basin I i

residential lots and a Point 20) at the no Pond/Reservoir (Des has a composite imp and the 100-year maj

**Subject:** SW - Highlight  
**Page Label:** 19  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 11:15:00 AM  
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**Space:**

Pond/Reservoir



ch outfalls due west through the  
opposite imperviousness of 86.0%  
ess for most of the developed  
ace area. The runoff rates for the  
nt are **72.8 cfs** and **132.8 cfs**.

al and flats area in Parcel No. 2,  
ch includes the buildings, access  
nd imperviousness for this basin

**Subject:** SW - Highlight  
**Page Label:** 19  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 11:18:08 AM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**


72.8 cfs and 132.8 cfs

over this area in Parcel No. 2,  
which includes the buildings, access  
nd imperviousness for this basin  
ement. The basin drains due west  
isting **Pond 8 in Filing No. 1**. This  
DR/FDR and the 2023 F.H.N. Filing  
composite imperviousness of 57.8%  
00-year major storm event are 19.0  
basin's west outfall location at the

**Subject:** SW - Highlight  
**Page Label:** 19  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 11:23:38 AM  
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Pond 8 in Filing No. 1

hen piped down to a full  
spectrum detention pond that releases flows at  
historic rates.

**Subject:** SW - Highlight  
**Page Label:** 20  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 11:26:14 AM  
**Status:**  
**Color:**   
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**Space:**


hen piped down to a full  
spectrum detention pond that releases flows at  
historic rates.

osed estate lots are sited. It is  
quired to convey the upstream  
ss of 2.0% and the runoff rates  
nt are **9.7 cfs** and **71.0 cfs**, resp  
95.0 acres and represents th  
rd 2, Filing No. 1, and Filing No.  
olf course area includes areas

**Subject:** SW - Highlight  
**Page Label:** 21  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 11:34:19 AM  
**Status:**  
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9.7 cfs and 71.0 cfs

oposed water  
e of **siting** an  
historical rat

**Subject:** SW - Highlight  
**Page Label:** 24  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 11:58:49 AM  
**Status:**  
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siting

adways with  
ide **sited** str  
ossings. The

**Subject:** SW - Highlight  
**Page Label:** 25  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 11:59:18 AM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**

sited

Preliminary Design Summary  
 utilizes the full spectrum detention ponds sized to  
 VQCV, EURV, and 100-year storage volumes. P  
 release at or below historical rates.

Category	VQCV (ac-ft)	EURV (ac-ft)	100-Year (ac-ft)	Total Volume
1	372.00	0.618	0.476	3.699
2	368.00	0.359	0.436	1.110
3	252.00	1.707	2.362	4.301

**Subject:** SW - Highlight  
**Page Label:** 25  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 12:08:59 PM  
**Status:**  
**Color:**    
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**Space:**

Table 3: Preliminary Pond Design Information

SW - Textbox (11)

x PUDSP234

**Subject:** SW - Textbox  
**Page Label:** 1  
**Author:** Mikayla Hartford  
**Date:** 12/4/2023 12:51:50 PM  
**Status:**  
**Color:**    
**Layer:**  
**Space:**

PUDSP234

**Design Point 6 (Q=22.7 CFS, Q=44.6 CFS) is  
 Basin O22. Basin O22 flows into O28 from the south  
 and is part of the East Cherry Creek Basin. Runoff  
 that enters within an existing tertiary drainage basin  
 off-basin O27, which represents west 1 of the P.**

**Verify highlighted values - the drainage map  
 reports different flows.**

**Subject:** SW - Textbox  
**Page Label:** 10  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 9:06:45 AM  
**Status:**  
**Color:**    
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**Space:**

Verify highlighted values - the drainage map  
 reports different flows.

**Verify  
 drainage  
 maps state  
 Q5 = 105.7  
 and  
 Q100 = 646.6**

Design  
 as well  
 located  
 mostly  
 Flows to  
 culverts  
 flows at

**Subject:** SW - Textbox  
**Page Label:** 12  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 9:16:54 AM  
**Status:**  
**Color:**    
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**Space:**

Verify, drainage maps state Q5 = 105.7 and  
 Q100 = 646.6

**42.1 CFS) represents flow from existing sub-basin O22. This bas  
 of the East Cherry Creek Basin. Runoff from this sub-basin comes  
 from the south and enters Basin O22. The south flow to  
 in point.**

**42.1 CFS) represents flow from existing sub-basin O21. This bas  
 is part of the East Cherry Creek Basin. Runoff from this sub-bas  
 and west towards the associated design point and enter the site a  
 are then naturally collected within an existing tertiary drainage wa**

**42.1 CFS) represents flow from existing sub-basin O22. This bas**

**Subject:** SW - Textbox  
**Page Label:** 13  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 9:20:21 AM  
**Status:**  
**Color:**    
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**Space:**

Verify highlighted values - the drainage map  
 reports different flows.

**Basin I is  
 No. 1, we  
 residents  
 Point 20)  
 Pond/Res  
 has a con  
 and the 11  
 Basin I is  
 to F.H.N.  
 developm**

**It will need to be  
 demonstrated that the  
 pond/reservoir has  
 capacity and if being  
 used for WQ separate  
 calculations and  
 verification the pond is  
 functioning will be  
 required.**

**Subject:** SW - Textbox  
**Page Label:** 19  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 11:15:50 AM  
**Status:**  
**Color:**    
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**Space:**

It will need to be demonstrated that the  
 pond/reservoir has capacity and if being used for  
 WQ separate calculations and verification the pond  
 is functioning will be required.

The basin consists of the total and nearest complex with paved...  
Basin L is adjacent to drives, and is 40% open through the tributary via No. 3 FDR and the run-off and 41% golf course is described

**Subject:** SW - Textbox  
**Page Label:** 19  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 11:18:34 AM  
**Status:**  
**Color:** ■  
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Verify - drainage map table states 64.4 and 121.2

In final design it must be demonstrated that Pond 8 has sufficient capacity for the contributing flow and that the pond is functioning without maintenance deficiencies

**Subject:** SW - Textbox  
**Page Label:** 19  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 11:24:16 AM  
**Status:**  
**Color:** ■  
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**Space:**

In final design it must be demonstrated that Pond 8 has sufficient capacity for the contributing flow and that the pond is functioning without maintenance deficiencies

ID Filing No. 4, entering the Site at peded that driveway culvert pipes...  
Verify, Drainage Map table says 15.9 and 78.8

**Subject:** SW - Textbox  
**Page Label:** 21  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 11:34:42 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Verify, Drainage Map table says 15.9 and 78.8

Basins that are not being captured by the proposed ponds, see all highlighted basins. Explain in the narrative how WQ is planned on being addressed for these basins.

**Subject:** SW - Textbox  
**Page Label:** 16  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 11:54:52 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

There are basins that are not being captured by the proposed ponds, see all highlighted basins. Explain in the narrative how WQ is planned on being addressed for these basins. Possible exclusions include I.7.1.B.7 (land disturbance to undeveloped land that will remain undeveloped) and/or I.7.1.C.1 (which allows for 20% not to exceed 1 acre of the applicable development site area to not be captured).

Basins that are not being captured by the proposed ponds, see all highlighted basins. Explain in the narrative how WQ is planned on being addressed for these basins.

Basin	Area (Ac)	Volume (cu ft)
Basin 1	0.00	0.00
Basin 2	0.00	0.00
Basin 3	0.00	0.00
Basin 4	0.00	0.00
Basin 5	0.00	0.00
Basin 6	0.00	0.00
Basin 7	0.00	0.00
Basin 8	0.00	0.00
Basin 9	0.00	0.00
Basin 10	0.00	0.00
Basin 11	0.00	0.00
Basin 12	0.00	0.00
Basin 13	0.00	0.00
Basin 14	0.00	0.00
Basin 15	0.00	0.00
Basin 16	0.00	0.00
Basin 17	0.00	0.00
Basin 18	0.00	0.00
Basin 19	0.00	0.00
Basin 20	0.00	0.00
Basin 21	0.00	0.00
Basin 22	0.00	0.00
Basin 23	0.00	0.00
Basin 24	0.00	0.00
Basin 25	0.00	0.00
Basin 26	0.00	0.00
Basin 27	0.00	0.00
Basin 28	0.00	0.00
Basin 29	0.00	0.00
Basin 30	0.00	0.00
Basin 31	0.00	0.00
Basin 32	0.00	0.00
Basin 33	0.00	0.00
Basin 34	0.00	0.00
Basin 35	0.00	0.00
Basin 36	0.00	0.00
Basin 37	0.00	0.00
Basin 38	0.00	0.00
Basin 39	0.00	0.00
Basin 40	0.00	0.00
Basin 41	0.00	0.00
Basin 42	0.00	0.00
Basin 43	0.00	0.00
Basin 44	0.00	0.00
Basin 45	0.00	0.00
Basin 46	0.00	0.00
Basin 47	0.00	0.00
Basin 48	0.00	0.00
Basin 49	0.00	0.00
Basin 50	0.00	0.00
Basin 51	0.00	0.00
Basin 52	0.00	0.00
Basin 53	0.00	0.00
Basin 54	0.00	0.00
Basin 55	0.00	0.00
Basin 56	0.00	0.00
Basin 57	0.00	0.00
Basin 58	0.00	0.00
Basin 59	0.00	0.00
Basin 60	0.00	0.00
Basin 61	0.00	0.00
Basin 62	0.00	0.00
Basin 63	0.00	0.00
Basin 64	0.00	0.00
Basin 65	0.00	0.00
Basin 66	0.00	0.00
Basin 67	0.00	0.00
Basin 68	0.00	0.00
Basin 69	0.00	0.00
Basin 70	0.00	0.00
Basin 71	0.00	0.00
Basin 72	0.00	0.00
Basin 73	0.00	0.00
Basin 74	0.00	0.00
Basin 75	0.00	0.00
Basin 76	0.00	0.00
Basin 77	0.00	0.00
Basin 78	0.00	0.00
Basin 79	0.00	0.00
Basin 80	0.00	0.00
Basin 81	0.00	0.00
Basin 82	0.00	0.00
Basin 83	0.00	0.00
Basin 84	0.00	0.00
Basin 85	0.00	0.00
Basin 86	0.00	0.00
Basin 87	0.00	0.00
Basin 88	0.00	0.00
Basin 89	0.00	0.00
Basin 90	0.00	0.00
Basin 91	0.00	0.00
Basin 92	0.00	0.00
Basin 93	0.00	0.00
Basin 94	0.00	0.00
Basin 95	0.00	0.00
Basin 96	0.00	0.00
Basin 97	0.00	0.00
Basin 98	0.00	0.00
Basin 99	0.00	0.00
Basin 100	0.00	0.00

**Subject:** SW - Textbox  
**Page Label:** 25  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 12:16:08 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Some of these ponds are greater than 10'. Know that if they are 10 feet or greater and in a fill embankment that they may qualify as a jurisdictional or if they are >10' and in a fill embankment they may qualify as a non-jurisdictional dam.

All pond MHFD Detention Spreadsheets will be reviewed in Final Design once pond details are finalized.

Pond	Area (Ac)	Volume (cu ft)
Pond 1	0.00	0.00
Pond 2	0.00	0.00
Pond 3	0.00	0.00
Pond 4	0.00	0.00
Pond 5	0.00	0.00
Pond 6	0.00	0.00
Pond 7	0.00	0.00
Pond 8	0.00	0.00
Pond 9	0.00	0.00
Pond 10	0.00	0.00
Pond 11	0.00	0.00
Pond 12	0.00	0.00
Pond 13	0.00	0.00
Pond 14	0.00	0.00
Pond 15	0.00	0.00
Pond 16	0.00	0.00
Pond 17	0.00	0.00
Pond 18	0.00	0.00
Pond 19	0.00	0.00
Pond 20	0.00	0.00
Pond 21	0.00	0.00
Pond 22	0.00	0.00
Pond 23	0.00	0.00
Pond 24	0.00	0.00
Pond 25	0.00	0.00
Pond 26	0.00	0.00
Pond 27	0.00	0.00
Pond 28	0.00	0.00
Pond 29	0.00	0.00
Pond 30	0.00	0.00
Pond 31	0.00	0.00
Pond 32	0.00	0.00
Pond 33	0.00	0.00
Pond 34	0.00	0.00
Pond 35	0.00	0.00
Pond 36	0.00	0.00
Pond 37	0.00	0.00
Pond 38	0.00	0.00
Pond 39	0.00	0.00
Pond 40	0.00	0.00
Pond 41	0.00	0.00
Pond 42	0.00	0.00
Pond 43	0.00	0.00
Pond 44	0.00	0.00
Pond 45	0.00	0.00
Pond 46	0.00	0.00
Pond 47	0.00	0.00
Pond 48	0.00	0.00
Pond 49	0.00	0.00
Pond 50	0.00	0.00
Pond 51	0.00	0.00
Pond 52	0.00	0.00
Pond 53	0.00	0.00
Pond 54	0.00	0.00
Pond 55	0.00	0.00
Pond 56	0.00	0.00
Pond 57	0.00	0.00
Pond 58	0.00	0.00
Pond 59	0.00	0.00
Pond 60	0.00	0.00
Pond 61	0.00	0.00
Pond 62	0.00	0.00
Pond 63	0.00	0.00
Pond 64	0.00	0.00
Pond 65	0.00	0.00
Pond 66	0.00	0.00
Pond 67	0.00	0.00
Pond 68	0.00	0.00
Pond 69	0.00	0.00
Pond 70	0.00	0.00
Pond 71	0.00	0.00
Pond 72	0.00	0.00
Pond 73	0.00	0.00
Pond 74	0.00	0.00
Pond 75	0.00	0.00
Pond 76	0.00	0.00
Pond 77	0.00	0.00
Pond 78	0.00	0.00
Pond 79	0.00	0.00
Pond 80	0.00	0.00
Pond 81	0.00	0.00
Pond 82	0.00	0.00
Pond 83	0.00	0.00
Pond 84	0.00	0.00
Pond 85	0.00	0.00
Pond 86	0.00	0.00
Pond 87	0.00	0.00
Pond 88	0.00	0.00
Pond 89	0.00	0.00
Pond 90	0.00	0.00
Pond 91	0.00	0.00
Pond 92	0.00	0.00
Pond 93	0.00	0.00
Pond 94	0.00	0.00
Pond 95	0.00	0.00
Pond 96	0.00	0.00
Pond 97	0.00	0.00
Pond 98	0.00	0.00
Pond 99	0.00	0.00
Pond 100	0.00	0.00

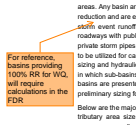
**Subject:** SW - Textbox  
**Page Label:** 89  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 12:47:27 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

All pond MHFD Detention Spreadsheets will be reviewed in Final Design once pond details are finalized.

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SW - Textbox with Arrow (4)

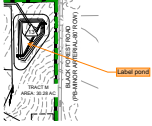
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For reference, basins providing 100% RR for WQ will require calculations in the FDR.

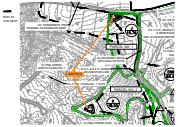
**Subject:** SW - Textbox with Arrow  
**Page Label:** 16  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 11:47:45 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

For reference, basins providing 100% RR for WQ, will require calculations in the FDR



**Subject:** SW - Textbox with Arrow  
**Page Label:** 138  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 10:17:13 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Label pond



**Subject:** SW - Textbox with Arrow  
**Page Label:** 138  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 10:17:40 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Label Ponds



For reference, basins providing 100% RR for WQ will require calculations in the FDR.

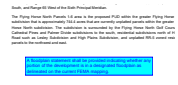
**Subject:** SW - Textbox with Arrow  
**Page Label:** 20  
**Author:** Mikayla Hartford  
**Date:** 12/5/2023 11:26:42 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Please provide the pond name and the filing it was built with. In final design it must be demonstrated that Pond 8 has sufficient capacity for the contributing flow and that the pond is functioning without maintenance deficiencies

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Text Box (5)

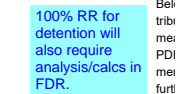
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For reference, basins providing 100% RR for WQ will require calculations in the FDR.

**Subject:** Text Box  
**Page Label:** 5  
**Author:** eschoenheit  
**Date:** 12/7/2023 5:15:26 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

A floodplain statement shall be provided indicating whether any portion of the development is in a designated floodplain as delineated on the current FEMA mapping.



100% RR for detention will also require analysis/calcs in FDR.

**Subject:** Text Box  
**Page Label:** 16  
**Author:** Daniel Torres  
**Date:** 12/8/2023 11:40:38 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

100% RR for detention will also require analysis/calcs in FDR.

area basins and as the Final Drainage Report is  
calculations will be required to assess proposed storm  
s, capacities and routing of natural and proposed  
ature:  
please be address the rear lots  
that are within OS6 and OS7 as  
these will also require water  
quality treatment. Assumption is  
that the irrigation Reservoir will  
provide treatment. Please clarify.

3/26/2023

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**Subject:** Text Box  
**Page Label:** 22  
**Author:** Daniel Torres  
**Date:** 12/8/2023 12:32:16 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

please be address the rear lots that are within OS6 and OS7 as these will also require water quality treatment. Assumption is that the irrigation Reservoir will provide treatment. Please clarify.

Hydraulic Calculations  
hydraulic calculations will further  
be reviewed in the FDR to be  
submitted with the final plat  
application(s)

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**Subject:** Text Box  
**Page Label:** 55  
**Author:** Daniel Torres  
**Date:** 12/8/2023 1:39:26 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

hydraulic calculations will further be reviewed in the FDR to be submitted with the final plat application(s)

stormwater collection and conveyance at the preliminary

Please address the floodplain  
at the Northwest corner of the  
site and the requirement to  
demonstrate baseflood  
elevations(CLOMR/LOMR) with  
the final plat application.

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**Subject:** Text Box  
**Page Label:** 30  
**Author:** Daniel Torres  
**Date:** 12/8/2023 2:13:17 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Please address the floodplain at the Northwest corner of the site and the requirement to demonstrate baseflood elevations(CLOMR/LOMR) with the final plat application.