

Project No.  
**4365.002.024**

December 2, 2024

Orinda Geologic Hazard Abatement District Board of Directors  
 Chair Darlene K. Gee  
 Vice Chair Latika Malkani  
 Board Member Brandyn Iverson  
 Board Member Inga Miller  
 Board Member Janet Riley

Orinda Geologic Hazard Abatement District  
 22 Orinda Way  
 Orinda, CA 94563

Subject: Wilder Development  
 Orinda Geologic Hazard Abatement District  
 Orinda, California

**ORINDA GEOLOGIC HAZARD ABATEMENT DISTRICT  
 MONITORING – Spring 2024**

Dear Chair Miller, Vice Chair Gee, and Boardmembers:

ENGEO is pleased to submit this monitoring report for selected parcels in the Wilder development within the Orinda Geologic Hazard Abatement District (GHAD). As described in the Wilder Plan of Control (Reference 1), the purpose of this monitoring is to observe and report the conditions of the GHAD-accepted parcels (Reference 2) and associated improvements, as shown in Table 1 and Figure 1. The site-monitoring event was completed on October 18 and October 21, 2024.

**TABLE 1: Parcels Maintained by the Orinda GHAD within the Wilder Development**

TYPE	PARCEL(S)
Residential Lot	All
Public Street	Wilder Road
Private Street	All, except Wilder Road
Common Area	All common areas within the development
City-Owned	Ball Fields 1, 2, 4, and 5, Entrance to Ball Fields
Detention Basin	"JJ" (APN 273-270-005), "EE" (APN 273-270-032), "S" (APN 273-330-017) and "SS" (APN 273-280-006)
Utility	EBMUD Water Tank (APN 273-270-011)

The parcels listed above in Table 1 are owned by individual property owners and maintained by the Orinda GHAD, with the exception of detention basins on Parcels "JJ", "EE", and "SS," where GHAD ownership is pending.

## SCOPE

The site monitoring included the following tasks on the GHAD-accepted parcels.

- Reconnaissance of slopes for indications of erosion or slope failure
- Inspection of concrete-lined drainage ditches
- Inspection of grassy swales
- Observation of storm drain improvements
- Observation of water quality/detention basins
- Observation of subdrain outlets

## SITE SLOPES

Slopes within the accepted parcels appeared to be performing well, with minor exceptions noted below. During this and our previous monitoring events, we observed a bubbler drain located near the bottom of the slope at 27 Paintbrush Lane, which is being undercut by minor erosion (Site Condition A, Figure 1). This item should be addressed by the homeowner.

During this and past monitoring events, we observed minor to moderate seepage on the slope within 25 Big Leaf Road (Site Condition B, Figure 1). The seepage appears to be the result of landscape irrigation upslope and was less notable during this inspection. We will continue to monitor the condition of these areas during future monitoring events.

We previously noted in our Spring 2021 monitoring report that animal burrowing activity locally disturbed some surficial soil on select slopes. The animal burrowing did not appear to impact any nearby improvements or cause any significant failures. During our most recent monitoring, the level of burrowing activity remained relatively unchanged. We will continue to monitor the burrowing activity during future monitoring events and note if conditions change.

At the time of the Fall 2023 site monitoring, activities related to residential construction were ongoing at the lots around Dairy Creek Lane. During this monitoring event, the construction was ongoing, as well as excessive slope disturbance due to homeowner trenching construction on the slope below 38 Fiddleneck Way (Site Condition C, Figure 1). Repair of any slope damage or addition of erosion control measures will be the responsibility of the homeowners. We will continue to monitor the slope conditions in these areas during future monitoring events.

Surface water from roof downspouts and rear yard drains are collected and discharged through bubblers located near the base of slope at select lots. As designed, water flowing from the bubblers travels over landscaped areas into grassy swales or street gutters. As anticipated, slope areas below the bubblers will become wet as water travels to the swale or gutter. The GHAD monitors these areas for erosion, ponding, or indications of slope instability.

During the Spring 2023 monitoring inspection, we noted rilling on the rear slope of 22 Big Rock Road. This could be due to concentrated drainage flowing from the back of the property. At the time of this monitoring event, the rill appears to have been loosely filled with soil and no erosional channel is visible.

During the previous monitoring event, we observed three shallow landslides on the slope west of 88 Dairy Creek Lane. The first landslide (Site Condition D.1, Figure 1) measured approximately 20 feet in length, 20 feet in width, and 1 foot deep. The second surficial landslide (Site Condition

D.2, Figure 1) measured approximately 60 feet in length, 20 feet in width, and up to 3 feet deep. The third landslide (Site Condition D.3, Figure 1) was approximately 30 feet in length, 50 feet wide, and up to 2 feet deep. These were first noted during the Fall 2023 monitoring event and have since been covered with plastic coverings and sandbags to prevent further erosion. During this monitoring event, the plastic coverings and sandbags were observed to be broken and ripped, exposing the soil. The landslides are earthflow-type slides, where the upper soil becomes saturated and flows downhill. At this time, they do not impact current or planned site improvements. The GHAD will re-cover the landslide areas and continue to monitor these landslides until a repair is completed.

During this monitoring event, we also observed a surficial landslide along the southern slope of the Detention Basin south of Monkeyflower Lane (Site Condition D.4, Figure 1). The landslide is approximately 80 feet in length, 400 feet wide, and 3 feet deep. At this time, it does not impact current or planned site improvements. The GHAD will continue to monitor the landslide.

The slope above the retaining wall and concrete drainage ditch to the north of Middle Water Quality Basin 1B, and below 5 Bigleaf Road, showed signs of distress in the form of bare areas without vegetation and desiccation cracking (Site Condition E, Figure 1). This area was previously used as a staging area for nearby construction. The distress does not appear to impact any current or planned site improvements and the GHAD will continue to monitor the area.

### **CONCRETE-LINED SURFACE DRAINAGE DITCHES**

The concrete-lined drainage ditches were checked for accumulation of debris/sediment and for obvious distress such as cracking or shifting of the concrete. Minor amounts of leaves, soil, and some rock were noted in the drainage ditches. One area of significant rock debris deposited in the concrete drainage ditch from homeowner construction was observed below 38 Fiddleneck Way (Site Condition F, Figure 1). The homeowner will be notified to perform maintenance and cleaning of the concrete-lined drainage ditch. Soil and debris will be removed from the ditches during annual GHAD routine maintenance.

We previously noted minor cracking of drainage ditches ranging from hairline to ¼ inch wide on select lots. During our most recent monitoring, the crack conditions remained relatively unchanged and appeared to not compromise the integrity of the concrete-lined drainage ditches. We will continue to monitor these areas during future monitoring events to determine if repairs become necessary.

### **GRASSY SWALES**

The grassy swales were inspected for debris, damage, and drainage performance. Grassy swale locations and details are shown in the Revised Wilder Grassy Swale Exhibit (Reference 5). Overall, the grassy swales appeared to be in satisfactory condition.

### **SUBDRAIN OUTFALL MONITORING**

The following subdrain outlets were observed and monitored during our recent site visit. Discharge was observed and measured from the subdrain outlets, and the details are shown in Table 2. At the time of our visit, the subdrain outlets were clear of blockages, except for Subdrain 13, which was partially filled with sediment. The sediment will be removed from the outlet during the GHAD's annual maintenance. A few subdrains within the development were

concealed with vegetation and difficult to locate. Monuments, such as T-post stakes, should be added to help locate the outlets in the future.

**TABLE 2: Subdrains**

LABEL	FLOW (gallons per day)	COMMENTS
Subdrain Outlet #1	-	Unable to locate.
Subdrain Outlet #2	0	Outlets within DI box. Dry.
Subdrain Outlet #3	0	Outlets within DI box. Dry.
Subdrain Outlet #4	-	Unable to locate.
Subdrain Outlet #5	11	Estimate. Outlets to creek.
Subdrain Outlet #6	0	Standing water in outlet to creek. Dense vegetation surrounding outlet.
Subdrain Outlet #7	-	Unable to locate.
Subdrain Outlet #8	2,739	
Subdrain Outlet #9	-	Unable to locate.
Subdrain Outlet #10	0	6-inch diameter pipe. Outlets into V-ditch. Dry.
Subdrain Outlet #11	685	6-inch diameter pipe. Outlets into creek.
Subdrain Outlet #12	-	Unable to locate.
Subdrain Outlet #13	0	Remove sediment from outlet. Dry.
Subdrain Outlet #14	-	Unable to locate.
Subdrain Outlet #15	-	Unable to locate.

## STORM DRAIN IMPROVEMENTS

The storm drain improvements within the accepted parcels appeared to be performing well with the exceptions noted below.

During our previous monitoring event, a storm drain inlet located near 5 Bigleaf Road was observed to have standing water pooled around the inlet, with a silt cover that obstructed the flow of water. We observed the same seepage and sediment buildup during this monitoring event (Site Condition G, Figure 1). The storm drain inlet and silt cover will be repaired during annual maintenance to redirect slope seepage to the storm drain inlet.

Drain bubblers located near the base of the slope at several lots were observed to be clogged with soil and debris (Site Condition H.1 through H.12, Figure 1). The debris will be removed as part of the GHAD’s routine annual maintenance.

## DETENTION AND WATER QUALITY BASINS

Seven detention basins are located within GHAD-accepted and maintained parcels. Water Quality Basin 1A (Parcel EE), Upper, Middle, and Lower Water Quality Basin 1B (Parcel S), Water Quality Basin 2B (Parcel SS), Water Quality Basin 3B (Parcel JJ), and Detention Basin (Parcel PP) were observed for evidence of trash and debris within the inlet and outlet structures, and to assess vegetation growth. At the time of our visit, the basins appeared to be functioning properly and were in good condition.



As part of the scheduled maintenance, the GHAD will cut and remove vegetation, and remove litter and debris from the basins, as necessary. Attached are the Site Monitoring and Maintenance Forms for the detention and water quality basins.

If you have any questions concerning the observations made during this reconnaissance, please do not hesitate to contact us.

Sincerely,

ENGEO Incorporated

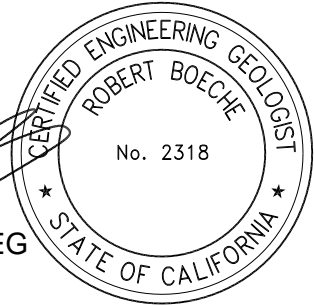


Quin Parker

qp/rhb/jg



Robert H. Boeche, CEG



- Attachments: Selected References  
Appendix A – Site Conditions  
Figure 1 – Site Plan  
Detention Basin Site Monitoring and Maintenance Forms

## SELECTED REFERENCES

1. ENGEO. 2008. Plan of Control for Wilder Geologic Hazard Abatement District, Gateway Valley, Orinda, California. March 4, 2008. Project No. 4365.108.005.
2. ENGEO. 2019. Orinda Geologic Hazard Abatement District – Plan of Control Transfer Acceptance of Selected Parcels, Wilder, Orinda, California. December 3, 2019. Project No. 4365.002.019.
3. ENGEO. 2009. Testing and Observation Services during Mass Grading, Wilder, Orinda, California. November 30, 2009. Project No. 4365.109.002.
4. ENGEO. 2024. Orinda Geologic Hazard Abatement District Monitoring – Spring 2024, Wilder Development, Orinda Geologic Hazard Abatement District, Orinda, California. June 14, 2024. Project No. 4365.002.023.
5. P/A Design Resources, Inc. 2012. Revised Wilder Grassy Swale Exhibit, Orinda California. September 24, 2012, Revised October 2, 2012.

**APPENDIX A**  
**SITE CONDITIONS**

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Site Condition: A  
Observation Date: 10/21/2024  
Description: Void under bubbler retaining structure.  
Recommendation: Continue to monitor slope.  
Field Representative: QP



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Site Condition: B  
Observation Date: 10/18/2024  
Description: Seepage on slope within 25 Big Leaf Road.  
Recommendation: Continue to monitor.  
Field Representative: QP



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Site Condition: C  
Observation Date: 10/18/2024  
Description: Existing slope disturbed by homeowner construction/trenching activity.  
Recommendation: Continue to monitor.  
Field Representative: QP



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Site Condition: D.1  
Observation Date: 10/21/2024  
Description: Shallow landslide measuring approximately 20 feet long, 20 feet wide, and 1 foot deep.  
Recommendation: Continue to monitor until repairs are complete. Reapply tarps, sandbags, and straw waddles to cover failure area.  
Field Representative: QP



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Site Condition: D.2  
Observation Date: 10/21/2024  
Description: Shallow landslide measuring approximately 60 feet long, 20 feet wide, and 3 feet deep.  
Recommendation: Continue to monitor until repairs are complete. Reapply tarps, sandbags, and straw waddles to cover failure area.  
Field Representative: QP



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Site Condition: D.3  
Observation Date: 10/21/2024  
Description: Shallow landslide measuring approximately 30 feet long, 50 feet wide, and 2 feet deep.  
Recommendation: Continue to monitor until repairs are complete. Reapply tarps, sandbags, and straw waddles to cover failure area.  
Field Representative: QP



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Site Condition: D.4  
Observation Date: 10/21/2024  
Description: Shallow landslide approximately 80 feet wide, 40 feet tall, and 3 feet deep.  
Recommendation: Continue to monitor.  
Field Representative: QP



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Site Condition: E  
Observation Date: 10/18/2024  
Description: Surficial slope distress.  
Recommendation: Continue to monitor.  
Field Representative: QP





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Site Condition: F  
Observation Date: 10/18/2024  
Description: Excessive rock debris deposited in concrete drainage ditch from homeowner construction activity.  
Recommendation: Notify homeowner to perform maintenance and cleaning of concrete drainage ditch.  
Field Representative: QP



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Site Condition: G  
Observation Date: 10/18/2024  
Description: Seepage at bottom of slope near 5 Bigleaf Road, and silt covers obstructing storm drain inlet.  
Recommendation: Remove debris from storm drain inlet during annual maintenance.  
Field Representative: QP



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Site Condition: H.1  
Observation Date: 10/18/2024  
Description: Obstructed bubbler drain.  
Recommendation: Remove debris from bubbler drain during annual maintenance.  
Field Representative: QP



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Site Condition: H.2  
Observation Date: 10/18/2024  
Description: Obstructed bubbler drain.  
Recommendation: Remove debris from bubbler drain during annual maintenance.  
Field Representative: QP





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Site Condition: H.3  
Observation Date: 10/18/2024  
Description: Obstructed bubbler drain.  
Recommendation: Remove debris from bubbler drain during annual maintenance.  
Field Representative: QP



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Site Condition: H.4  
Observation Date: 10/18/2024  
Description: Obstructed bubbler drain.  
Recommendation: Remove debris from bubbler drain during annual maintenance.  
Field Representative: QP



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Site Condition: H.5  
Observation Date: 10/18/2024  
Description: Obstructed bubbler drain.  
Recommendation: Remove debris from bubbler drain during annual maintenance.  
Field Representative: QP



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Site Condition: H.6  
Observation Date: 10/18/2024  
Description: Obstructed bubbler drain.  
Recommendation: Remove debris from bubbler drain during annual maintenance.  
Field Representative: QP



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Site Condition: H.7  
Observation Date: 10/18/2024  
Description: Obstructed bubbler drain.

Recommendation: Remove debris from bubbler drain during annual maintenance.

Field Representative: QP



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Site Condition: H.8  
Observation Date: 10/18/2024  
Description: Obstructed bubbler drain.

Recommendation: Remove debris from bubbler drain during annual maintenance.

Field Representative: QP



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Site Condition: H.9  
Observation Date: 10/18/2024  
Description: Obstructed bubbler drain.

Recommendation: Remove debris from bubbler drain during annual maintenance.

Field Representative: QP



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Site Condition: H.10  
Observation Date: 10/21/2024  
Description: Obstructed bubbler drain.

Recommendation: Remove debris from bubbler drain during annual maintenance.

Field Representative: QP





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Site Condition: H.11  
Observation Date: 10/21/2024  
Description: Obstructed bubbler drain.

Recommendation: Remove debris from bubbler drain during annual maintenance.

Field Representative: QP



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Site Condition: H.12  
Observation Date: 10/18/2024  
Description: Obstructed bubbler drain.

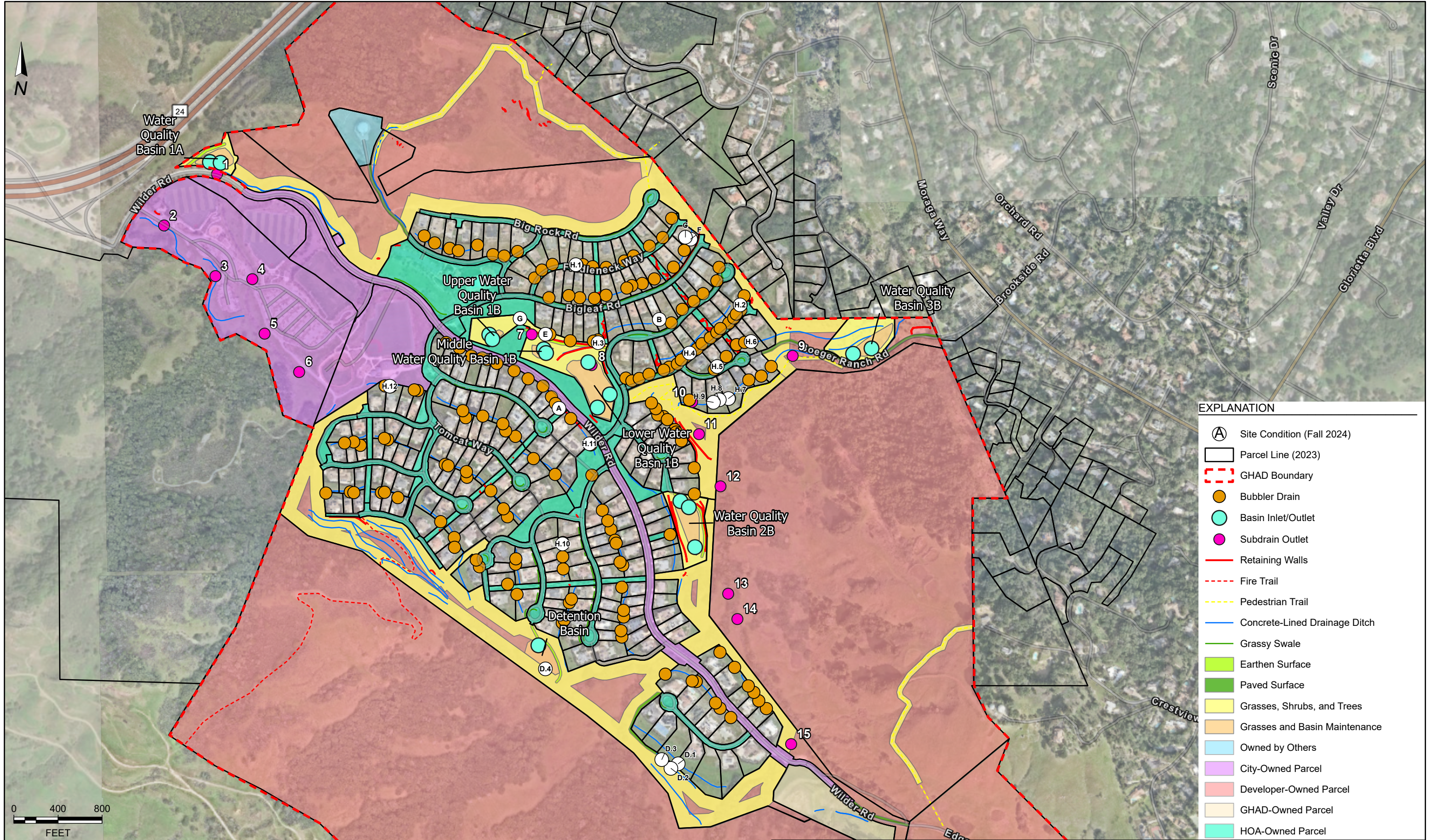
Recommendation: Remove debris from bubbler drain during annual maintenance.

Field Representative: QP



**FIGURE 1**  
**SITE PLAN**





EXPLANATION	
	Site Condition (Fall 2024)
	Parcel Line (2023)
	GHAD Boundary
	Bubbler Drain
	Basin Inlet/Outlet
	Subdrain Outlet
	Retaining Walls
	Fire Trail
	Pedestrian Trail
	Concrete-Lined Drainage Ditch
	Grassy Swale
	Earthen Surface
	Paved Surface
	Grasses, Shrubs, and Trees
	Grasses and Basin Maintenance
	Owned by Others
	City-Owned Parcel
	Developer-Owned Parcel
	GHAD-Owned Parcel
	HOA-Owned Parcel



**SITE PLAN - WILDER DEVELOPMENT**  
 ORINDA GHAD  
 ORINDA, CALIFORNIA

PROJECT NO. :	4365.002.023
SCALE:	AS SHOWN
DRAWN BY:	CMG
CHECKED BY:	RHB

FIGURE NO.  
**1**



## MONITORING REPORT

Wilder Development  
Orinda, CA

### DETENTION BASIN OPERATIONS AND MAINTENANCE SITE MONITORING AND MAINTENANCE REPORT FORM

#### WATER QUALITY BASIN 1A

Inspector: Quin Parker

Date: October 18, 2024

Weather Conditions: Sunny

Days since last rainfall: 167

Dry season? X

Wet season?

Basin Water Level: Approximately 6" ponded water in basin

Noteworthy Sediment Accumulated since Last Monitoring Event: N/A

MONITORED CONTROL	YES	NO	N/A	COMMENTS/ SUGGESTED MAINTENANCE
1. Are inlet and outlet structures functioning properly, allowing the basin to drain and are they in satisfactory condition?	X			
2. Are access roads in satisfactory condition?	X			
3. Is all perimeter fencing in good condition without breaks, gaps, or damage?	X			
4. Is the emergency outlet grate free of debris and is it in good condition?	X			
5. Is the embankment surrounding the basin in good condition without rills or failures?	X			
6. Is emerging woody vegetation less than 5 feet in height?	X			
7. Are embankment slopes protected with mulch or vegetation?	X			
8. Has water removal been undertaken in the last 3 months? If so, describe procedure.		X		



MONITORED CONTROL	YES	NO	N/A	COMMENTS/ SUGGESTED MAINTENANCE
9. Has sediment removal been undertaken in the last 3 months?		X		
10. If so, has it been tested as required in the Maintenance Manual?			X	
11. Is there evidence of chemical sheen or odor, contaminated runoff, litter or blowing debris in or near the basin?		X		
12. Do any pond devices require maintenance to provide more effective function?		X		
13. Are there signs of leaking irrigation systems?			X	
14. Are there any signs of vandalism?		X		
15. Are mosquitoes evident?		X		
16. Has mosquito abatement been undertaken since the last monitoring event?		X		
17. Are there other remedial/repair tasks that should be undertaken in the near future?		X		
18. Is there any evidence or information received in the last 3 months to indicate a lengthy drain time?		X		

“No” answers to Items 1-7 or “Yes” answers to Items 8-18 may require a corrective action.

## MONITORING REPORT

Wilder Development  
Orinda, CA

### DETENTION BASIN OPERATIONS AND MAINTENANCE SITE MONITORING AND MAINTENANCE REPORT FORM

#### UPPER WATER QUALITY BASIN 1B

Inspector: Quin Parker

Date: October 18, 2024

Weather Conditions: Sunny

Days since last rainfall: 167

Dry season? X

Wet season?

Basin Water Level: Approximately 2 to 3 feet of water in basin

Noteworthy Sediment Accumulated since Last Monitoring Event: N/A

MONITORED CONTROL	YES	NO	N/A	COMMENTS/ SUGGESTED MAINTENANCE
1. Are inlet and outlet structures functioning properly, allowing the basin to drain and are they in satisfactory condition?	X			
2. Are access roads in satisfactory condition?	X			
3. Is all perimeter fencing in good condition without breaks, gaps, or damage?			X	
4. Is the emergency outlet grate free of debris and is it in good condition?	X			
5. Is the embankment surrounding the basin in good condition without rills or failures?	X			
6. Is emerging woody vegetation less than 5 feet in height?	X			
7. Are embankment slopes protected with mulch or vegetation?	X			
8. Has water removal been undertaken in the last 3 months? If so, describe procedure.		X		

MONITORED CONTROL	YES	NO	N/A	COMMENTS/ SUGGESTED MAINTENANCE
9. Has sediment removal been undertaken in the last 3 months?		X		
10. If so, has it been tested as required in the Maintenance Manual?			X	
11. Is there evidence of chemical sheen or odor, contaminated runoff, litter or blowing debris in or near the basin?		X		
12. Do any pond devices require maintenance to provide more effective function?		X		
13. Are there signs of leaking irrigation systems?			X	
14. Are there any signs of vandalism?		X		
15. Are mosquitoes evident?		X		
16. Has mosquito abatement been undertaken since the last monitoring event?		X		
17. Are there other remedial/repair tasks that should be undertaken in the near future?		X		
18. Is there any evidence or information received in the last 3 months to indicate a lengthy drain time?		X		

“No” answers to Items 1-7 or “Yes” answers to Items 8-18 may require corrective action.

## MONITORING REPORT

Wilder Development  
Orinda, CA

### DETENTION BASIN OPERATIONS AND MAINTENANCE SITE MONITORING AND MAINTENANCE REPORT FORM

#### MIDDLE WATER QUALITY BASIN 1B

Inspector: Quin Parker

Date: October 18, 2024

Weather Conditions: Sunny

Days since last rainfall: 167      Dry season? X      Wet season?

Basin Water Level: Approximately 2 to 3 feet of water in basin

Noteworthy Sediment Accumulated since Last Monitoring Event: N/A

MONITORED CONTROL	YES	NO	N/A	COMMENTS/ SUGGESTED MAINTENANCE
1. Are inlet and outlet structures functioning properly, allowing the basin to drain and are they in satisfactory condition?	X			
2. Are access roads in satisfactory condition?	X			
3. Is all perimeter fencing in good condition without breaks, gaps, or damage?			X	
4. Is the emergency outlet grate free of debris and is it in good condition?	X			
5. Is the embankment surrounding the basin in good condition without rills or failures?	X			
6. Is emerging woody vegetation less than 5 feet in height?	X			
7. Are embankment slopes protected with mulch or vegetation?	X			
8. Has water removal been undertaken in the last 3 months? If so, describe procedure.		X		

MONITORED CONTROL	YES	NO	N/A	COMMENTS/ SUGGESTED MAINTENANCE
9. Has sediment removal been undertaken in the last 3 months?		X		
10. If so, has it been tested as required in the Maintenance Manual?			X	
11. Is there evidence of chemical sheen or odor, contaminated runoff, litter or blowing debris in or near the basin?		X		
12. Do any pond devices require maintenance to provide more effective function?		X		
13. Are there signs of leaking irrigation systems?			X	
14. Are there any signs of vandalism?		X		
15. Are mosquitoes evident?		X		
16. Has mosquito abatement been undertaken since the last monitoring event?		X		
17. Are there other remedial/repair tasks that should be undertaken in the near future?		X		
18. Is there any evidence or information received in the last 3 months to indicate a lengthy drain time?		X		

“No” answers to Items 1-7 or “Yes” answers to Items 8-18 may require corrective action.

## MONITORING REPORT

Wilder Development  
Orinda, CA

### DETENTION BASIN OPERATIONS AND MAINTENANCE SITE MONITORING AND MAINTENANCE REPORT FORM

#### LOWER WATER QUALITY BASIN 1B

Inspector: Quin Parker

Date: October 18, 2024

Weather Conditions: Sunny

Days since last rainfall: 167

Dry season? X

Wet season?

Basin Water Level: Approximately 2 to 3 feet of water in the basin

Noteworthy Sediment Accumulated since Last Monitoring Event: N/A

MONITORED CONTROL	YES	NO	N/A	COMMENTS/ SUGGESTED MAINTENANCE
1. Are inlet and outlet structures functioning properly, allowing the basin to drain and are they in satisfactory condition?	X			
2. Are access roads in satisfactory condition?	X			
3. Is all perimeter fencing in good condition without breaks, gaps, or damage?			X	
4. Is the emergency outlet grate free of debris and is it in good condition?	X			
5. Is the embankment surrounding the basin in good condition without rills or failures?	X			
6. Is emerging woody vegetation less than 5 feet in height?	X			
7. Are embankment slopes protected with mulch or vegetation?	X			



MONITORED CONTROL	YES	NO	N/A	COMMENTS/ SUGGESTED MAINTENANCE
8. Has water removal been undertaken in the last 3 months? If so, describe procedure.		X		
9. Has sediment removal been undertaken in the last 3 months?		X		
10. If so, has it been tested as required in the Maintenance Manual?			X	
11. Is there evidence of chemical sheen or odor, contaminated runoff, litter or blowing debris in or near the basin?		X		
12. Do any pond devices require maintenance to provide more effective function?		X		
13. Are there signs of leaking irrigation systems?			X	
14. Are there any signs of vandalism?		X		
15. Are mosquitoes evident?		X		
16. Has mosquito abatement been undertaken since the last monitoring event?		X		
17. Are there other remedial/repair tasks that should be undertaken in the near future?		X		
18. Is there any evidence or information received in the last 3 months to indicate a lengthy drain time?		X		

“No” answers to Items 1-7 or “Yes” answers to Items 8-18 may require corrective action.

## MONITORING REPORT

Wilder Development  
Orinda, CA

### DETENTION BASIN OPERATIONS AND MAINTENANCE SITE MONITORING AND MAINTENANCE REPORT FORM

#### WATER QUALITY BASIN 2B

Inspector: Quin Parker

Date: October 21, 2024

Weather Conditions: Sunny

Days since last rainfall: 170

Dry season? X

Wet season?

Basin Water Level: Dry

Noteworthy Sediment Accumulated since Last Monitoring Event: N/A

MONITORED CONTROL	YES	NO	N/A	COMMENTS/ SUGGESTED MAINTENANCE
1. Are inlet and outlet structures functioning properly, allowing the basin to drain and are they in satisfactory condition?	X			
2. Are access roads in satisfactory condition?	X			
3. Is all perimeter fencing in good condition without breaks, gaps, or damage?			X	
4. Is the emergency outlet grate free of debris and is it in good condition?	X			
5. Is the embankment surrounding the basin in good condition without rills or failures?	X			
6. Is emerging woody vegetation less than 5 feet in height?	X			
7. Are embankment slopes protected with mulch or vegetation?	X			
8. Has water removal been undertaken in the last 3 months? If so, describe procedure.		X		

MONITORED CONTROL	YES	NO	N/A	COMMENTS/ SUGGESTED MAINTENANCE
9. Has sediment removal been undertaken in the last 3 months?		X		
10. If so, has it been tested as required in the Maintenance Manual?			X	
11. Is there evidence of chemical sheen or odor, contaminated runoff, litter or blowing debris in or near the basin?		X		
12. Do any pond devices require maintenance to provide more effective function?		X		
13. Are there signs of leaking irrigation systems?			X	
14. Are there any signs of vandalism?		X		
15. Are mosquitoes evident?		X		
16. Has mosquito abatement been undertaken since the last monitoring event?		X		
17. Are there other remedial/repair tasks that should be undertaken in the near future?		X		
18. Is there any evidence or information received in the last 3 months to indicate a lengthy drain time?		X		

“No” answers to Items 1-7 or “Yes” answers to Items 8-18 may require a corrective action.

## MONITORING REPORT

Wilder Development  
Orinda, CA

### DETENTION BASIN OPERATIONS AND MAINTENANCE SITE MONITORING AND MAINTENANCE REPORT FORM

#### WATER QUALITY BASIN 3B

Inspector: Quin Parker

Date: October 18, 2024

Weather Conditions: Sunny

Days since last rainfall: 167

Dry season? X

Wet season?

Basin Water Level: Dry

Noteworthy Sediment Accumulated since Last Monitoring Event: N/A

MONITORED CONTROL	YES	NO	N/A	COMMENTS/ SUGGESTED MAINTENANCE
1. Are inlet and outlet structures functioning properly, allowing the basin to drain and are they in satisfactory condition?	X			
2. Are access roads in satisfactory condition?	X			
3. Is all perimeter fencing in good condition without breaks, gaps, or damage?			X	
4. Is the emergency outlet grate free of debris and is it in good condition?	X			
5. Is the embankment surrounding the basin in good condition without rills or failures?	X			
6. Is emerging woody vegetation less than 5 feet in height?	X			
7. Are embankment slopes protected with mulch or vegetation?	X			
8. Has water removal been undertaken in the last 3 months? If so, describe procedure.		X		

MONITORED CONTROL	YES	NO	N/A	COMMENTS/ SUGGESTED MAINTENANCE
9. Has sediment removal been undertaken in the last 3 months?		X		
10. If so, has it been tested as required in the Maintenance Manual?			X	
11. Is there evidence of chemical sheen or odor, contaminated runoff, litter or blowing debris in or near the basin?		X		
12. Do any pond devices require maintenance to provide more effective function?		X		
13. Are there signs of leaking irrigation systems?			X	
14. Are there any signs of vandalism?		X		
15. Are mosquitoes evident?		X		
16. Has mosquito abatement been undertaken since the last monitoring event?		X		
17. Are there other remedial/repair tasks that should be undertaken in the near future?		X		
18. Is there any evidence or information received in the last 3 months to indicate a lengthy drain time?		X		

“No” answers to Items 1-7 or “Yes” answers to Items 8-18 may require corrective action.

## MONITORING REPORT

Wilder Development  
Orinda, CA

### DETENTION BASIN OPERATIONS AND MAINTENANCE SITE MONITORING AND MAINTENANCE REPORT FORM

#### DETENTION BASIN

Inspector: Quin Parker

Date: October 21, 2024

Weather Conditions: Sunny

Days since last rainfall: 170

Dry season?  X

Wet season?

Basin Water Level: Less than approximately 6 inches of standing water

Noteworthy Sediment Accumulated since Last Monitoring Event: N/A

MONITORED CONTROL	YES	NO	N/A	COMMENTS/ SUGGESTED MAINTENANCE
1. Are inlet and outlet structures functioning properly, allowing the basin to drain and are they in satisfactory condition?	X			
2. Are access roads in satisfactory condition?	X			
3. Is all perimeter fencing in good condition without breaks, gaps, or damage?			X	
4. Is the emergency outlet grate free of debris and is it in good condition?	X			
5. Is the embankment surrounding the basin in good condition without rills or failures?		X		Shallow landslide approximately 80 feet wide, 40 feet tall, and 3 feet deep along southwestern slope (Site Condition D.4)
6. Is emerging woody vegetation less than 5 feet in height?	X			
7. Are embankment slopes protected with mulch or vegetation?	X			
8. Has water removal been undertaken in the last 3 months? If so, describe procedure.		X		



MONITORED CONTROL	YES	NO	N/A	COMMENTS/ SUGGESTED MAINTENANCE
9. Has sediment removal been undertaken in the last 3 months?		X		
10. If so, has it been tested as required in the Maintenance Manual?			X	
11. Is there evidence of chemical sheen or odor, contaminated runoff, litter or blowing debris in or near the basin?		X		
12. Do any pond devices require maintenance to provide more effective function?		X		
13. Are there signs of leaking irrigation systems?			X	
14. Are there any signs of vandalism?		X		
15. Are mosquitoes evident?		X		
16. Has mosquito abatement been undertaken since the last monitoring event?		X		
17. Are there other remedial/repair tasks that should be undertaken in the near future?		X		
18. Is there any evidence or information received in the last 3 months to indicate a lengthy drain time?		X		

“No” answers to Items 1-7 or “Yes” answers to Items 8-18 may require corrective action.