MARINWOOD PARK AND RECREATION COMMISSION: MEETING AGENDA

TUESDAY, JANUARY 25, 2022, 7:00PM

Internet Address: https://us02web.zoom.us/j/84270132532

Telephone Access: 669) 900-6833 or 346) 248 7799 or 253) 215-8782

Meeting ID: 842 7013 2532

ATTENTION: This will be a virtual meeting of the Marinwood CSD Park & Recreation Commission. There will not be a public location for participating in this meeting. Any interested member of the public can participate telephonically or via internet by utilizing the web link or dial-in information printed on this agenda.

Instructions on how to make a public comment during the meeting: At points in the meeting when the meeting chair requests public comment, members of the public participating in the live meeting either via internet or telephone shall indicate their desire to speak. If participating via internet, please click the "raise hand" feature located within the Zoom application screen. If connected via telephone, please dial "*9" (star, nine).

#	Item	Commission Action
1	**Agenda**	Adopt
2	**Public Comment on Non-Agenda Items** *Speakers are asked to limit comments to three minutes. Speakers may comment only on non-agenda items within the subject matter jurisdiction of the Commission. The Commission may not take action on, consider or debate items not on the agenda except under narrow circumstances meeting statutory tests. Response to comments on non-agenda items will be limited to factual information or clarifying questions from staff or Commission. The Chair may refer the matter to staff or to a future meeting agenda.*	
3	**Draft Minutes of November 23, 2021 P&R Commission Meeting**	Approve
4	**Draft Minutes of January 11, 2022 Board Meeting**	Review
5	**Marinwood Park Play Structure Replacement Project: Community Survey Results**	Review
6	**Miller Creek Waterway Trail: Initial Assessment**	Review
7	**Designation of Commission Chair & Vice-Chair for 2022**	Designate
8	**Recreation and Park Maintenance Activity Report**	Review
9	**Commissioner Items of Interest - Requests for Future Agenda Items**	
10	**Adjourn**	

Requests for disability-related modifications or accommodations, aids or services may be made to the District office no later than 72 hours prior to the meeting by contacting (415) 479-0775

NEXT P&R COMMISSION MEETING TO BE HELD ON FEBRUARY 22, 2022 AT 7:00 PM

Marinwood Community Services District

Draft Minutes of Park & Recreation Commission Meeting
Tuesday – November 23, 2021

Time and Place: 7:00PM via Teleconference

Present:
Commissioners: Chair John Tune, Ian Fein, Anne Sjahsam.
Absent: Jon Campo

Staff: District Manager Eric Dreikosen

Board Director: Lisa Ruggeri

1. **Agenda**
   No edits were requested by Commissioners. Chair Tune adopted the agenda as presented.

2. **Introduction of Incoming Park & Recreation Commissioner Michael Benesch**
   Incoming Commissioner Benesch and existing Commissioners introduced themselves.

3. **Public Comment on Non-Agenda Items**
   No Public Comment was received

4. **Draft Minutes of October 26, 2021 P&R Commission Meeting**
   Fein to approve/Sjahsam to second Draft Minutes of October 26, 2021 P&R Commission Meeting. Ayes: Fein, Tune, Sjahsam. Nays: None. Absent: Campo. Motion carried.

5. **Draft Minutes of November 9, 2021 Board Meeting**
   Commission reviewed minutes.

6. **District Manager Update on Select P&R Initiatives**
   Commission received District Manager Update.

7. **Recreation and Park Maintenance Activity Report**
   Commission received Recreation and Park Maintenance Activity Report.

8. **Commissioner Items of Interest – Requests for Future Agenda Items**
   - District Manager Dreikosen informed Commission that Board Liaisons to the Commissions for the following calendar year would be discussed and appointed by the Board at their January meeting.
   - Commission briefly discussed the Board request for update regarding the Fireman's Picnic Area along the Panhandle Trail.

9. **Adjourn**

Meeting adjourned at 7:40 PM

Eric Dreikosen

Marinwood Community Services District

Draft Minutes of Board of Directors Meeting
Tuesday – January 11, 2022

Time and Place: **7**:30PM via Teleconference

Note: This meeting as well as prior meetings of the Board of Directors may be viewed in their entirety on the Marinwood YouTube channel here: **https://www.youtube.com/channel/UC0dvM2PvtsEzE25eRAf4Jmg**

Present:
Board Members: President Lisa Ruggeri, Chris Case, Kathleen Kilkenny, Sivan Oyserman and Bill Shea.
Staff: District Manager Eric Dreikosen, Fire Chief Darin White, Recreation Director Luke Fretwell and Administrative Assistant Tiffany Combrink.

A. Call to Order & Roll Call of Directors
Board President Ruggeri called the meeting to order at 7:30pm.

B. Agenda
Agenda adopted as presented.

C. Consent Calendar
a. Resolution 2022-01: Making Findings and Confirming the Need to Continue Conducting remote Meetings via Teleconference of the Board of Directors, Fire Commission and Park & Recreation Commission.
b. Draft Minutes of Regular Meeting of December 14, 2021 (Remote Meeting)
c. Bills Paid Nos. 5976 - 6039
Shea to approve/Oyserman to second "consent calendar as presented."
All in favor. Motion carried unanimously.

D. Public Comment Open Time for Items Not on Agenda:
The Board of Directors received public comment regarding:
a. Community event expenses; park maintenance

E. District Matters:
1. *Park Maintenance Facility: Update re Building Construction Budget; Exterior Courtyards*
Board of Directors received update of building construction budget

2. *Appointment of Board Liaisons to Fire Commission and Park & Recreation Commission for Calendar Year 2022*
Board President Ruggeri appointed Director Case as liaison to the Park & Recreation Commission and Director Kilkenny as liaison to the Fire Commission for Calendar Year 2022

3. *District Manager Report*
Board of Directors received District Manager Report

F. Fire Department Matters:
1. *Chief Officer Report and Activity Summary*
Board of Directors received Chief Officer Report

G. Park and Recreation Matters:
1. *Recreation and Park Maintenance Activity Reports*
Board of Directors received Recreation and Park Maintenance Activity Report

H. Board Member Items of Interest – Requests for Future Agenda Items
- Director Oyserman requests update on RFPs for remaining work on Maintenance Facility Courtyards.
- Director Oyserman requests update on ongoing Covid guidelines and restrictions regarding Recreation programs.

Meeting adjourned at 9:09PM

Tiffany Combrink, Secretary

Staff Report

To: Park & Recreation Commission

From: Eric Dreikosen, District Manager

Date: January 22, 2022

Re: Marinwood Park Play Structure Replacement Project – Community Survey Results

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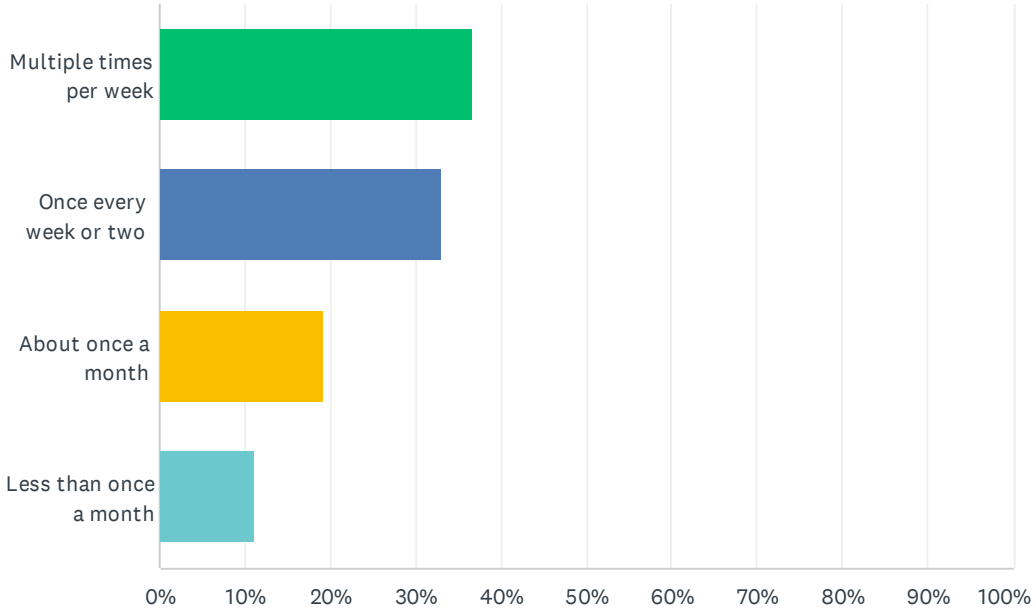
Commissioners,

Please review the included results from the recently conducted community survey launched in regards to the Marinwood Park Play Structure Replacement project.

In total, over 135 people participated in the survey. The aggregated data and open-ended responses received will be discussed during the meeting in effort help to guide the Commission and staff in making recommendations for play structure features and design.

Q1 How often do you visit the Marinwood playground?

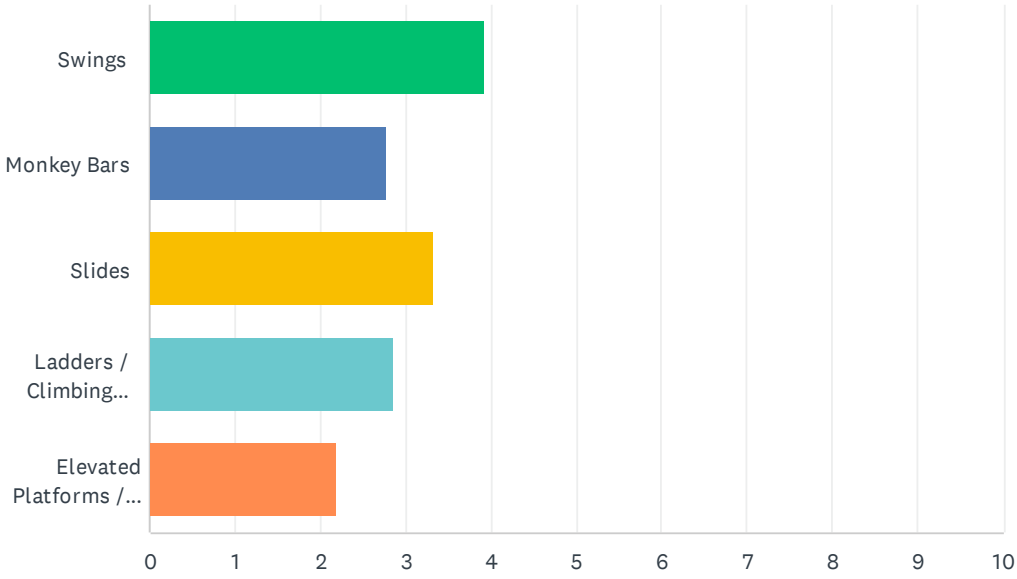
Answered: 136 Skipped: 2



ANSWER CHOICES	RESPONSES	
Multiple times per week	36.76%	50
Once every week or two	33.09%	45
About once a month	19.12%	26
Less than once a month	11.03%	15
TOTAL		136

Q2 Please rank the current features of our playground from 1 to 5. 1 = favorite, 5 = least favorite

Answered: 137 Skipped: 1



	1	2	3	4	5	TOTAL	SCORE
Swings	47.76% 64	22.39% 30	11.94% 16	9.70% 13	8.21% 11	134	3.92
Monkey Bars	19.08% 25	17.56% 23	14.50% 19	19.08% 25	29.77% 39	131	2.77
Slides	13.74% 18	35.11% 46	29.01% 38	14.50% 19	7.63% 10	131	3.33
Ladders / Climbing Features	8.96% 12	18.66% 25	30.60% 41	32.84% 44	8.96% 12	134	2.86
Elevated Platforms / Decks	11.76% 16	7.35% 10	13.97% 19	22.79% 31	44.12% 60	136	2.20

Q3 Please describe any additional playground features you would like to see.

Answered: 88 Skipped: 50

#	RESPONSES	DATE
1	Adaptive play, individual play, spinners , zip lines	1/17/2022 12:53 PM
2	teeter totter type things!	1/16/2022 9:04 AM
3	Larger climbing structures for older kids	1/15/2022 4:56 PM
4	Imagination structures like trains or buses	1/9/2022 1:11 PM
5	Seated zip line	1/8/2022 5:02 PM
6	Rope/climbing dome. Soft cushion surface (instead of wood chips)	1/4/2022 5:15 PM
7	Loose parts like adventure / junk playgrounds in Europe.	1/1/2022 2:52 PM
8	More swings	1/1/2022 9:48 AM
9	Hill you can slide down at Fairyland	12/27/2021 7:16 PM
10	Climbing wall and balance focused features.	12/27/2021 9:48 AM
11	Places to climb for smaller children	12/26/2021 5:10 PM
12	More maze / planks / bigger play area for more kids. Right now it's too small for more than a few kids.	12/14/2021 7:41 PM
13	Sand box Silly slide. She loves the tunnel slide and is asking for a squiggly slide She would also like an airplane	12/14/2021 4:30 PM
14	Bigger slides. Bigger structures. More swings for big kids. Rock climbing wall.	12/6/2021 8:51 PM
15	Our kids enjoy playgrounds with multiple platforms, decks, nets, bridges and importantly, slides. Bigger is better. They also like playgrounds with an enclosed/indoor element so they can play 'house' or 'spaceship'.	12/5/2021 9:45 PM
16	A theme or structure that makes the playground unique, like a tree house, pirate ship, cars, or animals. Something that spins.	12/3/2021 10:09 PM
17	Rope equipment	12/3/2021 3:59 PM
18	Foam surface instead of mulch	12/3/2021 1:33 PM
19	Taller slides, more swings, more structures to climb	12/3/2021 12:34 AM
20	Water features	12/2/2021 4:58 PM
21	Play house type of area. More areas for seating	12/2/2021 2:10 PM
22	Look at these park playgrounds for inspiration. They have swings for 2 kids at a time; swings for moms/babies together; updated climbing, tree houses, nets, etc: 1) Miller Park in Upper Arlington, OH https://upperarlingtonoh.gov/city-parks/miller-park/ 2) Northam Park Playground in Upper Arlington, OH https://www.google.com/search?sxsrf=AOaemvJ5DGd3v6qvWBlDzLLcY-Pg7e8lyw:1638482742182&source=univ&tbm=isch&q=northam+park+playground&fir=1QalFnWE-g_-mM%252CaBtGFURy4D2LQM%252C_%253BZhTzRK-K0_DoKM%252C49cTwDgmTT2EDM%252C_%253B7QpEW-UdAARNSM%252CaBtGFURy4D2LQM%252C_%253BTL3uPxRqGuKtCM%252CK2rLsEJ7NKeXBM%252C_%253BYIX8m9vLcWA3tM%252C49cTwDgmTT2EDM%252C_%253BgWoO_egyvnjY3M%252CK2rLsEJ7NKeXBM%252C_%253BOhvA13QtSKPHQM%252ChVRlFqrzIr9pDM%252C_%253ByovdZso3a5C3SM%252CBGdvNy26xseBLM%252C_%253BDnsJMaK2fR3Z	12/2/2021 2:08 PM

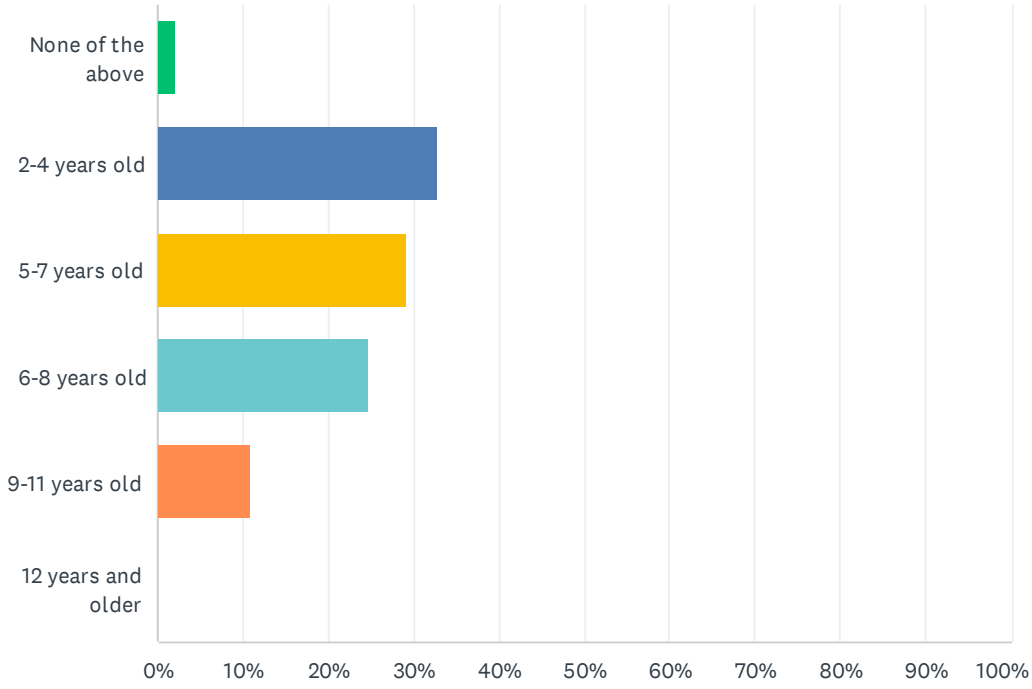
	4M%252CoWRlC0rEMq69BM%252C_%253BzBDpcC92GuYR8M%252CK2rLsEJ7NKeXBM%252C_&usg=AI4_-kR4rZSijt_V4AFMXl5lqtauEQ8C8Q&sa=X&ved=2ahUKEwiFwMXuj8b0AhXOT2wGHRkJBSwQjJkEegQIHhAC&biw=1902&bih=755&dpr=1	
23	Some playgrounds have climbing webs/nets that are great; would be nice to have one of those.	12/2/2021 1:51 PM
24	Rock climbing wall, merry-go-round, more swings	12/2/2021 11:23 AM
25	Maybe making the park area slightly larger? It is so well utilized by the community- sometimes when we try to go, it feels too crowded (a good problem to have!)	12/2/2021 7:07 AM
26	Rock climbing, zip lines, ropes course	12/2/2021 6:00 AM
27	Climbing net; zip line	12/2/2021 5:54 AM
28	Space dome climbing tower	12/2/2021 5:11 AM
29	The civic center playground has a very fun wheel and creative climbing structure	12/1/2021 9:46 PM
30	Zip line Sand box Tire swing Climbing “net” structure	12/1/2021 9:42 PM
31	Some modern, unusual climbing features for older children-such as complex eagle's nests or nets. Landscaping could also create natural "hideouts" instead of sand boxes (which are costly to upkeep), such as those at the Bay Area Discovery Museum. And we need more swings. :) Love the access to the creek!	12/1/2021 9:41 PM
32	a paved loop for kiddos learning how to ride. mascone park in SF has one for strider bikes.	12/1/2021 9:09 PM
33	Those rope climbing structures are neat. The bit TeePee type.	12/1/2021 9:09 PM
34	Rock climbing wall! Zip line!! More interactive elements. Obstacle course features.	12/1/2021 8:39 PM
35	Please no more wood chips	12/1/2021 8:17 PM
36	Flowers, joy, zip line, corkscrew poles (Mable, 7) Waterslide, zip line, swings for disabled people, climbing wall (Gemma, 9)	12/1/2021 8:04 PM
37	Climbing wall. Tire swing. Rope swings/platforms.	12/1/2021 6:45 PM
38	Nets for climbing	12/1/2021 6:34 PM
39	swings, bridges between structures, places where kids can feel "hidden" while being supervised	12/1/2021 5:01 PM
40	A water toy or spritzer-station. Or a working drinking fountain with a drain that does not clog.a	12/1/2021 4:51 PM
41	"Rock climbing" wall, tire swing, spinning feature (Whizzy Dizzy, orbitron)	12/1/2021 4:44 PM
42	More/taller slides? This is a pretty good playground	12/1/2021 4:26 PM
43	I love that the structures are fenced in. I loved the sandbox. The little hill is also great. But THE BEST PART IS THE TREE and the shade it provides!! Please don’t get rid of the tree.	12/1/2021 4:25 PM
44	Structures they can use their imagination with-windows/forts, etc	12/1/2021 4:06 PM
45	Zipline! More than 4 swings	12/1/2021 3:40 PM
46	Swings are good for the little kids. Kids love to climb stuff. Slides are good too.	12/1/2021 3:21 PM
47	An actual climbing wall for kids would be great!	12/1/2021 2:56 PM
48	Forts and bridges similar to Memorial Park. Tire swings. Climbing rock structure. Keep the two sections for younger and older kids. That works well.	12/1/2021 2:46 PM
49	Seesaw, Mary go round	12/1/2021 2:23 PM
50	Tunnels	12/1/2021 2:16 PM
51	My kids actually love the little planted area that they can walk through and hide in. I would love to keep some planted features to play in and around!	12/1/2021 2:14 PM
52	Something beautiful that matches nature theme	12/1/2021 2:11 PM

53	Some type of ‘bumpy’ bridge. Climbing wall and different types of swings	12/1/2021 2:06 PM
54	More swings Sand pit. spinning "tea cup"	12/1/2021 1:53 PM
55	No	12/1/2021 1:50 PM
56	Climbing wall	12/1/2021 1:36 PM
57	More climbing features and/or see-saws	12/1/2021 1:36 PM
58	Rock wall. Climbing	12/1/2021 1:27 PM
59	Climbing wall/netting	12/1/2021 1:20 PM
60	I’d love to see a spongy/slightly bouncy floor like many other playgrounds in marin have as opposed to wood chips. We need more sophisticated and fun climbing structures as well as more l retesting slides. Additional swings would also be nice. The playground near Marin General Hospital in corte madera as well as the playground in larkspur adjacent to the police station/Hall middle school are both great playgrounds to emulate.	12/1/2021 1:19 PM
61	A “spinning” structure, my kids love spinning!	12/1/2021 1:17 PM
62	The areas that are for kids a bit older have been nice for us recently. We love the shade at Marinwood and the plantings - great for science and nature for kids. Would be cool to enhance the learning from the creek - some interactive stations to learn about the ecosystem??? We have liked the park across from MGH recently - big climbing, structure, climbing wall to a slide, water play... Love the benches and tables - lots of seating for picnics (& tired parents) is great!	12/1/2021 1:16 PM
63	Love the monkey bars to platforms....we love the swings.	12/1/2021 1:14 PM
64	A netted merry-go-round like the one at Freitas Park. It's super fun!	12/1/2021 1:08 PM
65	We absolutely love the park. Shade and benches to sit on are always appreciated. A wobbly bridge would be a nice addition. Lots or slides at a variety of heights. Additional swings.	12/1/2021 1:06 PM
66	Change the bark to a soft surface	12/1/2021 1:06 PM
67	Check out Adventure Playground: Berkeley, California. It creates more imaginative play and creativity	12/1/2021 1:04 PM
68	Rope web climbing, a water feature?, would love to keep the different areas for different ages. A water bottle filling station!! Still lots of benches in the shade. Maybe soft ground instead of the wood chips? Love the fences! Keep the gates and fences please!	12/1/2021 1:03 PM
69	A rock wall or climbing spinning rope platform	12/1/2021 1:00 PM
70	A water feature! those fountains that go up and down	12/1/2021 11:09 AM
71	My kids love tire swings!	12/1/2021 9:25 AM
72	More swings, zip line, spinning toys	11/30/2021 6:37 PM
73	Sand box and extra seating for parents	11/30/2021 6:24 PM
74	Zip lines	11/30/2021 6:07 PM
75	More swings? See saw?	11/30/2021 1:01 PM
76	I would recommend looking at Magical Bridge playground model. Amazing multi-generational play park that was created in Palo Alto. Check them out online.	11/28/2021 1:08 PM
77	Keep sandbox. Bouldering wall would be awesome.	11/28/2021 10:51 AM
78	A moving drawbridge feature	11/27/2021 4:37 PM
79	Rock climbing More monkey bars More swings Zip line	11/27/2021 4:06 PM
80	Tunnels/bridges. A themed playground similar to Piper Park in Larkspur.	11/27/2021 12:41 PM
81	Larger climbing wall, climbing mountain, more swings and monkey bars	11/26/2021 3:28 PM
82	A climbing wall might be cool, more swings.	11/24/2021 4:49 PM
83	Sand is very important	11/24/2021 1:46 PM

84	See saw. Something kids can get into that spins. Climbing nets	11/23/2021 10:48 AM
85	More swings. Bouncy bridge or other bouncy things. Rope climbing. A little more danger.	11/22/2021 11:25 AM
86	Honestly ranking these is hard because they are all so important tot heir development and to challenge them physically.	11/21/2021 4:58 PM
87	A larger rock climbing wall. Also, more bars (monkey bars) for swinging.	11/20/2021 5:04 PM
88	Sprinkler system to run under	11/20/2021 1:12 PM

Q4 How old are the children you bring to the playground? (Check all that apply)

Answered: 137 Skipped: 1



ANSWER CHOICES	RESPONSES	
None of the above	2.19%	3
2-4 years old	32.85%	45
5-7 years old	29.20%	40
6-8 years old	24.82%	34
9-11 years old	10.95%	15
12 years and older	0.00%	0
TOTAL		137

Q5 Other than Marinwood, what is your favorite playground in the greater Bay Area and why?

Answered: 99 Skipped: 39

#	RESPONSES	DATE
1	HeTher Farms in Walnut Creek - amazing everything	1/17/2022 12:53 PM
2	Discovery museum, SF Zoo, Millenium playground, Novato	1/15/2022 4:56 PM
3	Hamilton is great since it has a lot for different ages.	1/15/2022 9:17 AM
4	Sun Valley Park because it has a nice open area and variety of playground equipment for all ages	1/12/2022 4:58 PM
5	Washington park in Burlingame. Also like the new park in glenwood.	1/9/2022 1:11 PM
6	Hamilton Playground due to size	1/8/2022 4:51 PM
7	Dolores Park, Miwook Park	1/4/2022 5:15 PM
8	Berkeley adventure playground	1/1/2022 2:52 PM
9	That large park in Corte Madera that has so much space. Space is key as it holds so much for so many different age groups.	1/1/2022 9:48 AM
10	Smith Park in Oakland	12/27/2021 7:16 PM
11	Magical Bridge Playground	12/27/2021 9:48 AM
12	Lafayette park in San Francisco. There are a lot of natural looking climbing areas that have multiple uses, like big soft hills you can climb and slide down. The netted rope walk part.	12/26/2021 5:10 PM
13	Local one near our house	12/14/2021 7:41 PM
14	Marinwood parklet Hamilton park	12/14/2021 4:30 PM
15	Mission bay park because there are giant slides	12/11/2021 8:16 AM
16	N/a.	12/6/2021 8:51 PM
17	Roberts Regional Recreation because it is huge, though it doesn't have the height of some of the other playgrounds, or the whimsy of say Sue Biermann Park	12/5/2021 9:45 PM
18	Millennium Park because it’s big and has many different fun structures and swings.	12/3/2021 10:09 PM
19	Hamilton park & pioneer park both in Novato	12/3/2021 3:59 PM
20	Corte Madera town park - lots of variety for various ages. It has foam surface	12/3/2021 1:33 PM
21	Benecia and Belvedere Playground.	12/2/2021 4:58 PM
22	Loch Lomond the scenery and the market	12/2/2021 2:10 PM
23	See #3 for when we visit grandparents in Ohio.	12/2/2021 2:08 PM
24	The one near the Fairfax police station and the one across from Marin General are great playgrounds. If you're able to build anything resembling those, that'd be awesome!	12/2/2021 1:51 PM
25	City Park in Winters, CA for its wooden castle structures	12/2/2021 11:23 AM
26	The park in Corte Madeira it has structures that my son love to play on	12/2/2021 10:09 AM
27	The one by Andy’s market. Love that it’s contained with a fence. Love the seesaw.	12/2/2021 10:07 AM
28	The park in Lucas valley (will that one be updated too? we love it the way it is!!) I appreciate the safety features of the area designed for the 2-5 age range (I.e. very few places where kids	12/2/2021 7:07 AM

	can step off the tall structure because of the railings, the gate around the area). Also, it feels like there's something for everyone there - multiple swing sets, picnic bench, shaded areas also important.	
29	Playgrounds in San Francisco	12/2/2021 6:00 AM
30	Stafford Lake in Novato or Howarth Park in Santa Rosa. Because they are different from typical playgrounds.	12/2/2021 5:54 AM
31	Alta plaza park/ Joe DiMaggio playground	12/2/2021 5:11 AM
32	Koret playground, upper Lucas valley playground, memorial park in Sam Anselmo	12/1/2021 9:46 PM
33	Koret Children's Quarter in SF; they like the cement slides, the climbing "net" structure, and all of the different areas	12/1/2021 9:42 PM
34	The playground in Golden Gate Park-the big one by the Tea Gardens. There is a concrete slide, huge climbing structures and slides, rotating swings, normal swings, and unique climbing walls. There are areas for all ages.	12/1/2021 9:41 PM
35	Joe DiMaggio Park in North Beach SF. there is something for all ages, its dynamic and loved by all. I really LOVE the adventure playground 'loop' at stafford lake. kids have to balance and climb and try not to touch the ground as they work their way around the loop. seriously fantastic entertainment and great physical challenge.	12/1/2021 9:09 PM
36	I am writing as a Mom who Used to go to Marinwood all the time - kids are now older. The Howarth Park structures were some of their favorites.	12/1/2021 9:09 PM
37	Stafford lake - lots of cool features you can't access anywhere else. The zip line! The obstacle course like features. The cool big swing that multiple people can go on at once.	12/1/2021 8:39 PM
38	Marinwood is our fave! Also the parks at LVE	12/1/2021 8:04 PM
39	The Corte Madera park with the rock wall, tire swing, and multiple platforms/areas. Also the San Anselmo park because there's a lot of bridges, platforms, and interesting design like a castle.	12/1/2021 6:45 PM
40	South Hamilton Park	12/1/2021 6:34 PM
41	Memorial in San Anselmo	12/1/2021 5:42 PM
42	Memorial Park in San Anselmo is one of our favorites - love the wood structures and different things to do. Also, Belvedere's playground has so many unique and independent structures that it invites kids to explore it all.	12/1/2021 5:01 PM
43	Alameda has Sweeney, Littlejohn, Lincoln: all good. Berkeley Rose Garden is good one. San Mateo at 3rd Ave; mostly because of size.	12/1/2021 4:51 PM
44	Freitas park (water feature, spinning cone) Memorial Park (castle structure for hide-and-seek)	12/1/2021 4:44 PM
45	Corte Madera, Edna, golden gate park	12/1/2021 4:37 PM
46	Memorial Park in San Anselmo. I love the castle structure and all the places kids can hide.	12/1/2021 4:26 PM
47	Hidden Valley School Playground and Lucas Valley School playground, they are big, they have shade and Lucas Valley has access to the stream (another benefit at Marinwood, access to natural space!)	12/1/2021 4:25 PM
48	Memorial park, San anselmo	12/1/2021 4:06 PM
49	Pioneer Park in Novato, has everything for all ages!	12/1/2021 3:40 PM
50	Pioneer park is a solid playground.	12/1/2021 3:21 PM
51	Fairfax playground	12/1/2021 3:02 PM
52	Parks with nature components and shade like miwok park in Novato and Dolliver park in larkspur.	12/1/2021 2:56 PM
53	Corte Madera Park	12/1/2021 2:46 PM
54	Point San Pedro Park in San Rafael.	12/1/2021 2:30 PM

55	We really love marinwoods because of the shades, proximity to creek, woods, and safety. We love the monkey bars.	12/1/2021 2:23 PM
56	We go to SF a lot for playgrounds. JP Murphy, Blue Boat, Golden Gate park!	12/1/2021 2:14 PM
57	Terrapin Crossroads. Food and play!	12/1/2021 2:11 PM
58	The park in downtown larkspur Old mill park in mill valley	12/1/2021 2:06 PM
59	Oleander Park but it's very outdated!	12/1/2021 1:56 PM
60	We love Millennial Playground in San Anselmo - cool dino sculpture next to sand pit to play on, lots of climbing options and slides, decks and turrets, places to hide... Also like Pioneer park in Novato - when my daughter was younger, we liked the separate little kids section with fun helicopter they could sit in and other animals on large springs she could ride on. My older son loved the big kid section with bridges, twisty slide tunnel. My daughter is a bit older and is transitioning there and likes there are smaller slides on the big kid structure too. Playground in GG park in SF - Lots of cool features. Also like the huge climbing frame for big kids made from metal and ropes - there is a similar one at the playground opposite Marin General hospital.	12/1/2021 1:53 PM
61	Millennium Playground in San Anselmo. The castle-like enclosed structures are fun for imaginative play, and hide and seek. And the climb-on dinosaur is fun.	12/1/2021 1:52 PM
62	Corte Madera park wooden structure	12/1/2021 1:50 PM
63	Corte Madera	12/1/2021 1:36 PM
64	Koret Playground in Golden Gate Park	12/1/2021 1:36 PM
65	Ranchitos playground, something for all ages.	12/1/2021 1:31 PM
66	Corte Madera park	12/1/2021 1:27 PM
67	Aforementioned above	12/1/2021 1:19 PM
68	The new Fairfax “bears” park is aesthetically beautiful	12/1/2021 1:17 PM
69	Pioneer for scootering Miwok for shade Park across from MGH	12/1/2021 1:16 PM
70	The playground in Dolores Park in SF. The giant slides are wonderful.	12/1/2021 1:08 PM
71	Pioneer Park in Novato - great green space and excellent structure. Santa Margarita park, quiet and tucked into nature.	12/1/2021 1:06 PM
72	We love fairfax playground because it an enclosed area and because we have the creek to walk down to.	12/1/2021 1:06 PM
73	The one by Loch Lomand Marina and memorial park in San Anselmo	12/1/2021 1:04 PM
74	Love the park out by andy’s market in Loch Lomond. The Stafford lake park. Sinsheimer Park in San Luis Obispo!	12/1/2021 1:03 PM
75	Pirate ship and surrounding area at BADM is amazing	12/1/2021 1:01 PM
76	Hamilton - so many choices to play	12/1/2021 12:53 PM
77	Marin City playground is great because it has a small separate section for toddlers & toddler safe play surfaces. Kay Park in MV also has a great playground with two separate & fenced in areas.	12/1/2021 12:53 PM
78	Love marinwood the best because of the shade. Also love memorial park in San Anselmo and the park in Fairfax.	12/1/2021 12:50 PM
79	Santa Margarita Park	12/1/2021 11:09 AM
80	Hamilton park because it has lots of different slides and platforms and a tire swing. Lots to do! Also Pioneer park in novato is amazing! Memorial park millennium playground in san Anselmo is cool because it has a giant dinosaur to play on and tons of tunnels to climb through too!	12/1/2021 9:25 AM
81	Lafayette park and Dolores park in San Francisco both have a variety of climbing structures and areas for toddlers as well as older kids.	12/1/2021 3:14 AM
82	Sf zoo Seems like part of nature	11/30/2021 9:00 PM

83	Memorial park- Multilevel wooden structure. A lot of options, places to climb, swing, slide, hide, pretend.	11/30/2021 7:57 PM
84	Piper Park, it has a lot of climbing structures	11/30/2021 6:37 PM
85	Corte Madera, great space for older kids and toddlers	11/30/2021 6:24 PM
86	Miwok Park in Novato because they have longer slides that go really fast.	11/30/2021 6:07 PM
87	Tiburon/Belvedere park. Lots of different activities and separated by age.	11/30/2021 4:07 PM
88	Corte Madera park- good amount of different things to play on.	11/30/2021 1:01 PM
89	Millennium playground (dinosaur playground) in San Anselmo because of its whimsical and pretend play properties.	11/28/2021 10:51 AM
90	Doerr Park, San Jose: large play structure, tall slides Playground at Heather Farm, Walnut Creek: multiple areas, use of space Matteo's Dream playground, Concord: castle like features, water feature, multiple zones	11/27/2021 4:06 PM
91	Piper Park because it has a wonderful redwood themed playground with some unique features (spinning pod, climbing structures that reflect the theme). It also has easy access to a large number of picnic tables.	11/27/2021 12:41 PM
92	Piper Park in Corte Madera feels similar to Marinwood with two play structures, climbing wall and tire swing. Thank you for having two play structures with one more focused on smaller kids and then one focused on more climbing structures. Thx you for seeking community feedback! Your Marinwood team ROCKS!!	11/26/2021 3:28 PM
93	Memorial park in San anselmo and Hamilton park. We like the Dino at memorial park and helicopter at Hamilton park	11/25/2021 12:30 PM
94	We like the Corte Madera town park, abs the park at staffers lake.	11/24/2021 4:49 PM
95	Hamilton park	11/24/2021 1:50 PM
96	Mountain lake park, SF	11/24/2021 1:46 PM
97	Corte Madera park (lots of different zones of play & and creative structures for imaginative play and a climbing wall) and San Anselmo park (imaginative)	11/22/2021 11:25 AM
98	Pioneer Park in Novato and Pickleweed Park in the Canal because there is a lot to explore	11/21/2021 4:58 PM
99	Park Fantastico in Napa because of its giant slides.	11/20/2021 5:04 PM

Q6 Any other comments?

Answered: 54 Skipped: 84

#	RESPONSES	DATE
1	Good luck	1/17/2022 12:53 PM
2	We love Marinwood!	1/12/2022 4:58 PM
3	Excited for the updates and hope construction doesn't take too long.	1/9/2022 1:11 PM
4	These expensive sterile playgrounds like existing are proven to be more dangerous and foster less creative play than those adventure playgrounds in Europe. Suggest reading up on those and loose parts.	1/1/2022 2:52 PM
5	The best things about Marinwood: the shade, the creek (when the kiddos get older), the gentle sloping hill for rolling. and the structures aren't bad considering the space considerations. Marinwood is an awesome park!	1/1/2022 9:48 AM
6	Sandbox is awesome. Would like fewer open places on structures where small child could fall out. Maybe get ideas for the new playground from kids who do the programs at community center.	12/27/2021 7:16 PM
7	We love the park! Excited to see what happens with it	12/26/2021 5:10 PM
8	Can't select more than 1 option in question 4 above.	12/14/2021 7:41 PM
9	We love the shade also. Please don't get rid of the trees. Thank you	12/14/2021 4:30 PM
10	We look forward to visiting the updated playground!	12/2/2021 7:07 AM
11	Marinwood CC has a beautiful space that we love going to and playing at. It is a popular place for gathering. We're glad to know that you're considering updating the play structure for our children.	12/2/2021 6:00 AM
12	Love the park and playground. Thank you for take care well	12/2/2021 5:11 AM
13	Thank you for taking input from the community	12/1/2021 9:42 PM
14	I couldn't mark more than one box for ages, but my kids are 5, 8 and 11 years old. Seems like the size of the play area could even expand a bit. We love the access to the creek. More shaded eating areas would be wonderful. Love our park!	12/1/2021 9:41 PM
15	thank you for soliciting comments. it is just further proof of how amazing and thoughtful this community is.	12/1/2021 9:09 PM
16	Rope Swings are great for Boys....	12/1/2021 9:09 PM
17	Please add a water bottle refill station. Mable says to choose really safe equipment, please. Thank you for asking the community!	12/1/2021 8:04 PM
18	Perhaps an area with a theme like a pirate ship, castle, or something along those lines.	12/1/2021 6:45 PM
19	The age range feature on this survey says "check all that apply" but I seem only able to select one. My kids have used the MW playground from the time they were toddlers to now being 8 and 10. Also, the playground in Livingston, Montana, and the new Story Mill Park in Bozeman, Montana are unbelievable - creative, inviting, inspiring! I recommend checking those out for some ideas of different ways to invite play.	12/1/2021 5:01 PM
20	Incorporate creek.	12/1/2021 4:51 PM
21	Our kids love going down to the creek to play around the water. It is a major attraction to them in Marinwood park. It would be great if it were possible to incorporate the accsess to the creek as part of the playground with convenient speps down to the creek and comfortable area for sitting and having a picnic (we parent spend a lot of time sitting there watching the kids play	12/1/2021 4:44 PM

	with the water!). Thanks! We appreciate the new updates to the park being considered and look forward to the improvements!	
22	Love Marinwood park, excited to see the new playground.	12/1/2021 3:40 PM
23	I think it’s really important to protect the big oak tree by the playground and that should be considered during the project planning and consulting with an arborist to make sure it’s properly protected during construction and with the new playground.	12/1/2021 2:56 PM
24	#4 wouldn't allow me to check all that apply. My younger kids are 4 and 10 and they utilize playgrounds still.	12/1/2021 2:30 PM
25	I bring kids who are 4, 6 and 9. The 9 years old is usually bored and plays by the lovely creek and forest building forts.	12/1/2021 2:23 PM
26	Very exciting, we are so thankful to have this park near us!	12/1/2021 2:14 PM
27	The sand box is great!	12/1/2021 2:07 PM
28	My kids miss the old little play house. Some sort of play house or boat with wheel for pretend play would be great. More picnic tables or places for parents to sit. Love the little trail in between both structures. Just easy exploring/natural ways for imaginary play. There are some other interesting type swings out there too.	12/1/2021 2:06 PM
29	So excited you are redoing the playground. I used to go there several times a week with my oldest son but don't go so much with my daughter as the swings etc.. have seen better days (always ends up being a bit below it so it's too far off the ground)..	12/1/2021 1:53 PM
30	No	12/1/2021 1:50 PM
31	My child is going to be 5 in a few months, so my answers on future plans were based on the age they WILL be when they enjoy it.	12/1/2021 1:36 PM
32	Please keep the beautiful shade trees and landscaping for playing hide and seek in the tall plants.	12/1/2021 1:31 PM
33	Ensure shade esp in picnic areas to eat.	12/1/2021 1:27 PM
34	You can’t ‘check all that apply’ for all the ages of children in our household that play at the park, so would also like to add ages 7 and 10 (occasionally).	12/1/2021 1:19 PM
35	More stalls in the restroom, the line can get long for littles trying to “hold it”.	12/1/2021 1:17 PM
36	Thanks for asking! Let me know if you have any follow-up questions. Randi (rbakken@ma.org)	12/1/2021 1:16 PM
37	It would be great if construction was phased so that at least some part of the playground remains accessible.	12/1/2021 1:08 PM
38	My kids are 7 and 10. Marinwood playground has long been one of our favorite parks. Thank you for maintaining it for the community’s children and adults.	12/1/2021 1:06 PM
39	thank you for doing this	12/1/2021 1:04 PM
40	Thank you!	12/1/2021 1:03 PM
41	The tan bark is horrible I would do rubber mat as it’s better for all ages. Young kids is hard to put on the ground currently.	12/1/2021 1:00 PM
42	I love That it’s fully fenced in & the huge trees are amazing in the hot summer.	12/1/2021 12:53 PM
43	Please try to find a way to keep part of the playground open while you work on the other part. This is such a life saver for our sanity and ability to get out of the house and walk somewhere fun and meet up with friends. Concerned About the potential time it would be shut down!	12/1/2021 12:49 PM
44	FYI, the age group question above only allows one choice. I couldn't select 2-4 yrs and 5-7 yrs, which are our categories. Thanks.	12/1/2021 10:31 AM
45	We’re excited to see the update to the park. We will be visiting many years to come	11/30/2021 7:57 PM
46	More benches for sitting?	11/30/2021 1:01 PM
47	We are new parents excited to use the park often in the coming years. Thanks so much for	11/27/2021 4:37 PM

	being thoughtful about improvements!	
48	Thanks for the survey! It would also be great to maintain a section for toddlers vs bigger kids.	11/27/2021 12:41 PM
49	Please take into consideration seating for parents and gate structures. The bike rack is also very important.	11/26/2021 3:28 PM
50	Also have a 5-7 yr old (couldn’t select 2 age ranges)	11/24/2021 4:49 PM
51	I like Marinwood because it is so nicely shaded in the summer too.	11/24/2021 1:50 PM
52	Keep all the trees. Shade is awesome.	11/22/2021 11:25 AM
53	Tall slides are really fun as well as obstacles	11/21/2021 4:58 PM
54	Keep as much shade as possible.	11/20/2021 5:04 PM

Staff Report

To: Park & Recreation Commission

From: Eric Dreikosen, District Manager

Date: January 22, 2022

Re: Miller Creek Waterway Trail – Initial Assessment

Commissioners,

Please see the included assessment report in regards to the potential Miller Creek Waterway Trail.

As previously discussed, the potential trail location would span from Las Gallinas Ave (across from the mini-park) and traverse along the southern banks of Miller Creek to the roadway to be constructed as an extension to Marinwood Ave (near Marinwood Market) for access to the proposed senior living facility.

A condition of the development approval for the senior living center, which occurred in 2006, included the construction of a recreational trail, at the developer's expense, on District-owned property along the banks of Miller Creek from Las Gallinas Ave to Marinwood Ave. The language from this agreement pertaining to the trail development has been included at the end of this report for reference.

This specific trail concept was originally introduced over 16 years ago. During the past 16 years, trail design standards have changed dramatically as has the District's understanding and expectation in this regard. Furthermore, District-owned open space was originally acquired to be preserved as open space thus preventing any future development. It was not the District's intent to in turn create multiple recreational trails and other recreational opportunities throughout the open space. As such, resources to develop and, more importantly, maintain such recreational improvements have not been allocated within the District's budget or staffing resources. The District is challenged as it currently stands in maintaining the existing recreational improvements located in our open space areas.

In recognition of the above, staff has expressed concerns regarding the District's capacity to properly maintain any proposed trail once constructed from both a financial and workforce resources standpoint. As such, should a trail indeed be constructed as described, it must be constructed in accordance with the highest of trail design and construction standards to allow for as minimal an amount of future maintenance as reasonably possible.

The language included in the original 2006 agreement is as follows:

> 3. Two trails will be constructed by the owner/developer of Lot #2 (the assisted care facility parcel) unless the requirement to construct one or both trails is not required by District. If deletion of the trail generally along the alignment of the existing graded bench on the southerly side of Miller Creek is requested by District, owner/developer of Lot 2 shall request the County of Marin delete the requirement to construct this trail. If the County of Marin does

not delete this requirement, then this trail shall be constructed. One trail may extend from Las Gallinas Avenue to the extension of Marinwood Avenue and will generally follow the alignment of the existing graded bench on the southerly side of Miller Creek. This trail will be 4 feet wide. A second trail may be constructed from the trail paralleling Miller Creek to the ridge. This second trail will be a semi-primitive trail 18 inches wide. The trails will be constructed subject to the following conditions:

(a) The trails will be built by an experienced trail builder or by the Marin Conservation Corp. subject to approval by District.

(b) The alignment and grade of the trails and details of construction will be shown on a plan that will be submitted to the Marinwood Community Services District for their approval prior to the start of construction. District will issue its approval within thirty days of submission. If District fails to act within 30 days, the plan shall be deemed approved.

(c) All necessary permits will be obtained by the owner/developer of Lot 2.

(d) The trails will be constructed during the same time period in which the extension of Marinwood Avenue and the bridge across Miller Creek is being constructed.

(e) The trails will have a native soil surface that has been smooth graded and compacted.

(f) All non-native plants within six (6) feet of the trails, included but not limited to bamboo, hostas, vinca, ivy, palm and blackberry, will be removed.

(g) The trails will be constructed in such a way so as to avoid removing any native mature trees, unless absolutely necessary, subject to approval of District.

(h) Where necessary along the trail paralleling Miller Creek, some type of a guardrail to prevent pedestrians from falling into the creek, such as a split rail fence, will be constructed.

(i) Drainage to prevent erosion of the trails will be provided as necessary.

(j) Accumulated debris and bicycle jumps alongside and to the rear of the residences at 2250 and 2260 Las Gallinas Avenue will be removed.

(k) Any barbwire fencing near Marinwood Avenue will be removed.

(l) Barriers will be constructed at the Las Gallinas and Marinwood Avenue ends of the trail paralleling Miller Creek in order to prevent motor vehicle access.

(m) The northerly boundary line along Miller Creek shall be clearly and visually marked so that it is readily discernable.

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January 10, 2022

Mr. Eric Dreikosen
District Manager
Marinwood CSD
775 Miller Creek Road
San Rafael, CA 94903-1323

JOB: MW-MILLERCR-894

RE: MILLER CREEK WATERWAY TRAIL PRELIMINARY FEASIBILITY STUDY

INTRODUCTION

This report summarizes our evaluation of the geologic and geotechnical feasibility of constructing a new 2,750 foot long, 2 to 5 foot wide multi-use trail along the south side of lower Miller Creek. The proposed trail would connect Las Gallinas Ave to a proposed development located just west of Highway 101.

Approximately 780 feet of the trail will be routed across the gently sloping valley bottom with the remainder across moderate to steep sideslopes. Because a portion of the trail will need to traverse steep and potential unstable slopes above Miller Creek, the District has expressed concerns over the feasibility and sustainability of a new trail in this location and requested this review.

PROJECT SCOPE

The purpose of our study was to 1) evaluate the geologic hazards and geotechnical constraints associated with developing a new multi-use trail, 2) identify possible trail alignments and discuss the pros and cons of each, and 3) develop preliminary recommendations and costs for trail construction and to mitigate the geologic hazards. The results presented here are preliminary and intended to inform the District as of our findings regarding the project. Additional geologic and geotechnical work may be required for permitting and to develop construction documents.

The assessment is based on review of geologic and geotechnical literature, maps and aerial photographs, field reconnaissance and mapping, analysis of bare-earth LiDAR data, and discussions with the District. Subsurface exploration was outside the project scope.

REGIONAL GEOLOGIC AND SITE CONDITIONS.

PROJECT SETTING

The project site is located along lower Miller Creek in the community of Marinwood, Marin County, California. The area is characterized by a broad, gently sloping alluvial valley bottom bounded to the south by a steep 50% to 90+% gradient hillside. Miller Creek is deeply incised with local steep and unstable channel banks. The flat valley bottom is mostly developed with residential homes, the steep slide slopes are undeveloped. The climate is Mediterranean, with cool, rainy winters and dry, warm summers. Vegetation is mainly oak woodland with some annual grassland and brush.

An abandoned 1952 road traverses across the lower portion of the steep hillside about 20 vertical feet above the channel bottom. The road was probably abandoned in 1968 when a 450-foot-long segment of Miller Creek was realigned about 100 feet to the south and into the steep ridge, eliminating the segment of the old road in that location. The realignment of Miller Creek was probably done to facilitate the development of a condominium complex now located on the north side of the stream. Where the stream was realigned the banks of the new channel are armored with rock riprap.

The circa 1952 road was constructed at a 10-to-12-foot width on balanced cut and fill. The resulting cut is 5 to 20+ feet high exposing thin colluvial soils overlying weathered bedrock. Fill is estimated to be less than 3 feet deep and more than likely unengineered. The old road is currently in mixed condition with portions of the old road prism narrowed by stream bank erosion and fill instability.

GEOLOGIC SETTING

The project area is mapped as underlain by bedrock of the Franciscan Complex consisting of fractured sandstone and shale (Blake Jr. et al., 2000; Rice et al., 2002). Where exposed the rock appears moderately well cemented and competent. In most areas the rock supports a stable cutbank inclined at steeper than a 1:1 slope. Old alluvial sediments consisting of sand, gravel and silt are found along the gently sloping valley bottom of Miller Creek.

Overlying bedrock on the steeper sideslopes is a thin mantle of colluvium and soil of varying thicknesses. Soils are primarily loam to clay loam with gravel. Field observations indicate the soils tend to be moderately drained and have a moderate erosion potential. Overall, these soils appear well suited for trail construction but may become muddy when saturated.

Old and recent stream bank failures of varying sizes exist along the steep streamside slopes bounding Miller Creek. These are located mainly below the old road and are attributed to stream bank erosion undermining the hillside. Though slopes are steep, no shallow landslides were observed in a mid to upper hillslope position, probably because of the competency of the underlying bedrock. No large-scale deep-seated landslides were observed. Overall, the principal landslide hazard is from shallow slope failures occurring along the steep channel banks of Miller Creek and to a lesser extent from local cut and fill instability along the old road.

The subject property is located within a highly seismically active region of California dominated by the San Andreas Fault system. The San Andreas Fault is located about 11 miles southwest from the site and the active Hayward Fault is about 7 miles to the northeast. Intense ground shaking is expected in the event of a major earthquake on either of these faults. Slope failures are possible in the event of a large magnitude earthquake.

Surface drainage is primarily by sheetwash. Seasonal high groundwater may exist locally, especially on the lower portion of the hillside.

TRAIL DESCRIPTION AND CONSTRAINTS

The proposed trail will extend 2475 feet along the southside of Miller Creek from Las Gallinas Ave to just west of Highway 101. The trail is divided into four segments, which are described below. A site map trail depicting trail segmentation is depicted in Figure 1.

SEGMENT A (STN 0 – 780): FLAT VALLEY BOTTOM

Starting at Las Gallinas Ave the first 780 feet of the trail is routed across the gently sloping valley bottom (fluvial terrace) of Miller Creek. The first two thirds of the trail will be new construction, the last third road will follow remnants of the old 1952 road. The following summarizes pertinent observations.

DESCRIPTION	PHOTO
G1 - STN 325: Storm drain outfall Trail constrained by the fence line of the adjacent property and a storm drain outfall that discharges water into a small channel that drains into Miller Creek. There is about 15 to 20 feet of separation between the fence and outfall, which is sufficient room for the trail.	 Photo 1: Looking at narrow corridor between fence (to left) and storm drain outfall (to right and out of the photo).

DESCRIPTION	PHOTO
G2 - STN 375 – 430: Dry swale The trail will need to cross the head of a dry swale (old, abandoned channel) measuring about 25 feet wide and 6 feet deep. The easiest location to cross is at the head of the swale, though this would place the trail closer to an adjacent property.	 Photo 2: Looking across the head of the dry swale.
G3 - STN 660 – 690: Old erosional scar The trail follows the old, abandoned road across the head of an old erosional scar. The old roadbed is intact though a small amount of slough has deposited onto the tread. Overall, there are no significant constraints with routing the trail along the old road at this location.	 Photo 3: Looking across old erosional scar.

OPPORTUNITIES AND CONSTRAINTS:

The flat ground is generally well suited for trail construction. A short segment of the trail is somewhat constrained at **G1** to a 10- to 15-foot-wide area between the property fence line and a storm drain outfall. At this location the trail will either need to be located on native ground upstream of the outfall and adjacent to the fence line or be located downstream where a 30-foot-long trail bridge would be required to span the drainage.

Outside of this location there are no significant geologic constraints and standard trail construction generally appears appropriate. Because of the clayey nature of the underlying soils, it may be necessary to rock the trail tread.

SEGMENT B (STN 780 – 1800): STEEP STREAMSIDE SLOPES OF MILLER CREEK

This segment of trail will traverse 1,020+/- feet across moderate to steep (30% to 90%) slopes above the locally unstable channel bank of Miller Creek. These steep slopes present the greatest physical constraint to the trail.

The first 420 to 620 feet of the trail, beginning at **G4**, will follow the western remnants of the abandoned 1952 road where several portions of the old road have been narrowed to a 2-to-5-foot width by stream bank erosion/instability. After this new trail construction will be required across moderate gradient slopes where the old road was removed when Miller Creek was realigned. This trail segment ends where the trail ramps onto the remnants of the 1952 road at **G10**.

There is a relatively high incidence of shallow landsliding occurring along the steep channel bank of Miller Creek below the old road and we observed four locations (**G4**, **G5**, **G6** and **G8**) where short segments of the old road have been narrowed to 2-to-5-foot width by a combination of streambank erosion/instability, and fill instability. Most of the observed erosion/instability appear relatively old and restricted to the overlying mantle of fill and colluvium. The remaining portion of the road prism is interpreted to be underlain by more competent native soils and quite possibly with bedrock at a shallow depth. We observed no evidence to suggest deeper bedrock instability. The following summarizes pertinent observations.

DESCRIPTION	PHOTO
G4 - STN 790: 20-foot-long slope failure narrows road to 2 feet A 20+ -foot-long segment of the old road on 65% to 70% side slopes narrowed to 2-foot width by stream bank erosion/instability. The slide scar appears weathered and interpreted to be relatively old. Slopes above the old road are smooth, uniform and appear relatively stable. A 2-foot-wide trail can be established with little grading. A 5-foot-wide trail will require either supporting the outer edge of the trail on a 3-foot-high rock buttress, cutting into the bank on a full bench, or a combination of the two. Widening the road into the bank may require removal of a large Bay tree and therefore supporting the outer edge of the trail on a rock buttress is preferential.	 Photo 4: Looking across short, narrowed section of the old road. A 2-foot-wide trail can be established with little grading, a 5-foot wide trail will require supporting the outer edge of the trail on a rock buttress or cutting into the bank.
G5 - STN 950: 40-foot-long slope failure narrows trail to 5 feet A 40-foot-long segment of road on 70+% side slopes has been narrowed to a 5-foot width by stream bank erosion/instability. Failure appears old and restricted to overlying mantle of fill and colluvium. The proposed trail can be routed across the head of this failure at a 5-foot width with little grading. In the event of future instability, the road could be widened slightly into the bank or be rerouted upslope.	 Photo 5: Photo shows segment of the old road narrowed to 5 feet.
G6 – STN 1110: 30-foot-long slope failure narrows trail to 5 feet A ~30-foot-long segment of road on 80+% side slopes has been narrowed to a 5-foot width by a stream bank erosion/instability. Similar to Site **G5**, the failure appears old and restricted to overlying mantle of fill and colluvium. The proposed trail can be routed across the head of this failure with little grading. In the event of future instability, the road could be widened slightly into the bank or be rerouted upslope.	 Photo 6: Looking back at old road narrowed to about 5 feet.

DESCRIPTION	PHOTO
G7 – STN 1200 to 1360: New trail to ramp over cutslope and then across steep sideslopes This is the start of new trail construction to bypass above the less stable portion of the old road located further down at **G8**. At this location, the old road traverses 80% to 90% sideslopes resulting in a steep 12-foot-high stable cut inclined at 06H:1V slope. The trail will need to climb up and over the cut with about 60 feet of the trail partially supported by a 3- to 5-foot-high rock buttress. Once over the cut the new trail is to be constructed across 80% slopes with about 100 feet of the trail requiring the outer edge of the trail to be supported on a 3- to 4-foot-high rock buttress/retaining wall.	 Photo 7: Photo of steep 12+ foot high road cut. The preferred trail option is to ramp up this cut on a rock and fill buttress to avoid the steep unstable slopes at G8.
G8 – STN 1300 TO 1400: 100+ feet of unstable and actively failing slopes About 100 linear feet of the old road traverses very steep (100+%) gradient unstable slopes to a point where the old road has been removed by the realignment of Miller Creek. Along this segment there are multiple coalescing shallow slide scars of varying ages that have narrowed the road to a 5-to-8-foot width. This segment of road appears to be at greater risk for instability compared to the segment of road preceding it. Further, the very steep slopes below the trail present a greater risk to trail users if they were to fall over the edge. For these reasons reopening this segment of road for trail use is not recommended.	 Photo 8: Looking back on narrowed segment of the old road bounded by a steep escarpment that drops 20 feet down to Miller Creek.
G9 – STN 1360 – 1800: New trail construction New trail construction across moderate gradient slopes before reaching the eastern segment of the 1952 abandoned road at **G10**. No significant constraints.	 Photo 9: Looking back across moderate gradient slopes suitable for new trail construction.

OPPORTUNITIES AND CONSTRAINTS:

The steep channel banks bounding Miller Creek are inherently prone to erosion and shallow slope failures. The location of the trail across steep and potentially unstable slopes places the trail at risk for being undermined by stream bank erosion and instability. The hazard appears greatest along the bottom of the slope adjacent to Miller Creek and diminishes as you move up the hillside. It also appears greater towards the end of the road (**G8**) where Miller Creek encroaches closer to the old road.

Future stream bank erosion and shallow instability should be expected in the event of a large magnitude storm, which under a worst-case scenario could further undercut the old road requiring any trail routed along the road to be reconstructed or relocated. While the steep toe slopes are found to be potentially unstable it is important to note that the inboard portion of the old road is still intact after 70+ years and outside of one location at **G4** of adequate width for trail use. To mitigate this risk the trail should be offset as far as feasible from the more unstable portions of the hillside.

We identified three options to route the trail across these slopes:

Option B1: New upslope trail

The first option is to route the entire 1,020-foot-long segment upslope of the old road and along ground that does not show signs of recent instability. This option would avoid using the portion of the old road that traverses steep sideslopes and which has been undermined in several locations. The trail could be constructed at either a 2 foot or 5-foot width. About 200+ feet of the trail will need to traverse slopes steeper than 80%. In these areas a narrow 2-foot-wide trail can be reasonably constructed using standard cut and fill techniques; a 5-foot-wide multi-use trail, however, may require the outer edge of the trail to be partially supported on a 3- to 5-foot-high rock buttress/retaining wall.

The advantage of this option is that it would provide the greatest level of stability because it would be located further away from the unstable slopes bounding the watercourse. The disadvantage is it requires a greater amount of new trail construction resulting in a significantly higher construction cost. While this option is expected to be more stable, we do not believe it is warranted at present given that much of the old roadbed is still intact and viable for trail use. If the trail is routed along the old road and a failure occurs in the future, the trail could be relocated upslope at that time.

Option B2: Road to trail conversion with new trail construction

In this option the trail will be routed for 620 feet along the entire remaining portion of the old road, past sites **G4**, **G5**, **G6** and **G8** to the point where the old road was removed when Miller Creek was relocated. At the end of the road (**G8**) the trail would then ramp up and over the 8-foot-high road cut and continue for 400 feet with new trail construction across moderate gradient slopes (**G9**).

The advantage of this option is it would be the least expensive to construct, especially if constructed at a relatively narrow 2-foot width. The principal disadvantage, which is potentially significant, is that 100 feet of the trail at **G8** would need to be routed across steep unstable slopes. The problems at **G8** are twofold. First, there appears to be a higher level of instability at this location resulting in a Moderate to High potential for the old road prism to be undercut by stream bank erosion requiring any trail routed along the road to be relocated. Second, stream bank erosion has resulted in a very steep 20-foot-high escarpment bounding the outer edge of the old road. The steep escarpment in concert with the narrow trail tread presents a potentially significant hazard to trail users. Significant injuries to trail users (hikers and bicyclists) could occur if they were to fall over the edge. For these reasons, we do not recommend Option B2.

Option B3: Partial Road to trail conversion with new trail construction (Preferred)

This option is sort of a combination of Options B1 and B2. The first 420 feet of the trail will follow the more stable portions of the old road before ramping up and over the road cut at **G7**.

On the portion of road to be reopened for trail use there are three areas where past instability has partially narrowed the old road. At **G4** an old stream bank failure has narrowed a 20-foot-long segment of trail to a 2-foot width. The remaining road prism is generally adequate for a narrow single-track trail. A 5-foot-wide multi-use trail can be established by either supporting the outer edge of the trail on a 3-foot-high rock buttress, cutting into the bank on a full bench, or a combination of the two. At **G5** and **G6** the old road has been partially narrowed to a 5-foot width but is still of adequate width for trail use with minimal grading.

At **G7** the trail will need to ramp up and over the 12-to-15-foot high cutslope to avoid the unstable ground at **G8**. This will require somewhat difficult trail construction. For a narrow 2-foot-wide single-track trail for hiking use only a relatively steep 20% gradient trail can be established by building up about 50 feet of trail on compacted fill with 30 feet of the fill supported by a 3- to 8-foot-high rock buttress. For a wider 5-foot-wide multi-use trail a maximum 10% gradient trail is recommended to allow for safer combined hiker and bicyclist access. In this case about 80 feet of trail will need to be built up on compacted fill with about 60 feet supported by a 3- to 8-foot-high rock buttress.

Once over the cut a new 2- to 5-foot-wide trail will need to be constructed across 30% to 80% gradient sideslopes (**G9**) for 540 feet before reconnecting with the eastern portion of the abandoned road at **G10**. In general, this terrain appears reasonably well suited for trail construction and can generally be constructed using standard cut and fill trail construction methods. About 100 to 150 feet of trail will need to traverse relatively steep 80% sideslopes and in these areas where a 5-foot-wide multi-use trail is proposed, the outer edge of the trail may need to be supported with a 3- to 5-foot-high rock retaining wall/buttress.

The advantage of Option 3 is it provides a reasonable level of stability and user safety by avoiding the more unstable and steeper portions of the hillside. The principal disadvantage is higher construction costs where the trail is forced to climb up and over the 12+ foot high road cut and then across locally steep side slopes. In our opinion, Option 3 is the preferred option as it provides a reasonable compromise between site stability and construction costs.

SEGMENT C (STN 1800 - 2250): EASTERN OLD ROAD SEGMENT

Segment C will follow the remnants of the eastern portion of the abandoned road for about 450 feet. The first 150 feet of the road (**G10**) traverses steep 90% slopes at a 15% to 20% grade. Thereafter the road crosses less steep sideslopes at a generally lower gradient. The following summarizes pertinent observations.

DESCRIPTION	PHOTO
G10 – STN 1800 - 1950: Steep Road Grade Trail to be routed along the lower remnants of the eastern portion of the abandoned road. The road traverses across steep 90% slopes at 15% to 20% grade. The old road was constructed at 10-to-12-foot width resulting in steep 15- to 22-foot-high cut. Portions of the outer fill prism have failed narrowing the road slightly. The higher portion of the road cut has also failed/raveled depositing 2 to 3 feet of debris onto the old road surface and narrowing the old road to about 2 feet. A new 5-foot-wide trail can be constructed across the failed slide debris using standard cut and fill techniques. The 15% road grade can be reduced to a 10% to 12% grade by building up the lower portion of the trail on 4 feet to 5+ feet of compacted fill partially supported by a rock buttress.	 Photo 10: Looking down the trail where the trail drops over the old road cut. This portion of trail will need to be built up on 4 to 5+ feet on compacted fill to reduce the trail gradient to less than 12%. The cutbank failure that deposited 2 to 3 feet of fill onto the old road surface is behind the photographer and is not visible.
G11 – STN 1950 - 2250: Trail to be routed along the upper remnants of the eastern portion of the abandoned road. The road traverses across moderate 50% to 65% gradient slopes at a 10% to 15% grade. There are no significant constraints with trail use along this segment of road.	 Photo 11: Looking up the old road. No significant constraints with trail use.

OPPORTUNITIES AND CONSTRAINTS:

There are two issues with this segment of trail, both located at **G10** at the bottom of the old road and both relatively minor. First a short portion of the 20+ foot high cutslope has failed or raveled depositing 2 to 3 feet of debris onto the old road surface and narrowing the old road to about 2 feet. A new 2- to 5-foot-wide trail can be constructed across the failed slide debris using standard cut and fill techniques. However, ongoing raveling of the steep cut should be expected over time requiring periodic maintenance to clear the trail tread of material.

Second, the lower most 100+ foot long segment of the old road has a relatively steep 15% to 20% grade which is steeper than preferred. Generally, trails greater than 15% have a much higher incidence of erosion and require greater maintenance efforts. Moreover, these trails are more difficult to travel by bicyclists in the uphill direction. To the extent practicable, trails that accommodate bicycles should have grades less than 12%.

We identified two options to route the trail up the road. Both options can accommodate a 2- or 5-foot-wide trail.

Option C1: Existing steep road

In this alterative the trail is routed along the old road prism at 15% to 20% grade. The advantage of this option is that it is easier to construct and therefore will be somewhat cheaper to construct. The disadvantage is the trail grade is steep and therefore will be more susceptible to erosion, will not be easily passible by bicyclists going uphill, and will require greater maintenance efforts. For a hiking only trail this is probably not a significant issue, but it will be an issue for bike use. We do recommend this option if bicycle use is anticipated.

Option C2: Built up trail tread (Preferred)

In this option the lower 100 feet of trail is built up on 3 to 5+ feet of compacted fill to reduce the trail grade to a more sustainable 12%. For a 5-foot-wide trail it may be necessary to support a portion of the outer edge of the trail with a rock buttress. The advantage of this option is the lower trail grade that will be more sustainable and will better accommodate bicycle use. The disadvantage is the higher construction cost.

SEGMENT D (STN 2250 – 2750): MODERATE SIDESLOPES

This segment of the trail will drop down across moderate gradient grassland slopes to flat ground adjacent to Highway 101. The first 150 feet will follow the old road until the road grade becomes too steep. At this point new trail construction at 10% grade is recommended.

OPPORTUNITIES AND CONSTRAINTS:

The ground is generally well suited for trail construction. Because the trail will be located in open grassland high runoff may occur during large storms. To mitigate this, frequent dips should be installed. Because of the clayey nature of the underlying soils, it may be necessary to rock the trail tread.

SUMMARY AND CONCLUSIONS

Much of the project area is characterized by moderate to steep slopes with potentially unstable channel banks along Miller Creek. An abandoned 1952 road traverses the steep hillside about 20 vertical feet above the channel bottom. A roughly 450-foot-long segment of this road was removed when Miller Creek was relocated in 1968.

Field review finds that the steep streamside slopes of Miller Creek have a moderate to high potential for erosion and instability. This hazard is greatest along the toe of the hillside, mainly below the old road, and diminishes upslope where although slopes are still steep, no recent or active erosional areas or slides were observed. While the steep toe slopes are found to be potentially unstable it is important to note that the inboard portion of the 70+ year old road is still intact and generally of adequate width for trail use.

There are several alternatives to develop a trail along the Miller Creek corridor depending on 1) expected type and level of use, 2) width of the trail, 3) desired level of long-term stability, and 4) level of effort (cost) that can be put into constructing the trail.

Both a 5-foot-wide multi-use trail and narrow 2-foot-wide single-track trail are viable. 5-foot-wide multi-use trails are generally designed to accommodate both hikers and bicycles under moderate to heavy use. The wider width allows for the passage of hikers and/or bicyclists without one or the other having to step off the trail. This is an important consideration given that the Miller Creek Trail will need to traverse steep sideslopes, will likely receive bicycle traffic, and, as we are told, could receive high use by students. It has been our experience that most new trail constructed by public agencies near urban settings are 4-to-5-foot wide multi use trails. A 2-foot-wide single-track trail is most appropriate on hiking only trails that receive little use.

Generally, 5-foot-wide trail is machine built (mini excavator) requiring an experienced equipment operator. A 2-foot-wide single-track trail can be built by either hand crews with aid from volunteers or machine built. Cost for a 5-foot-wide trail is generally more than a 2-foot-wide trail due to large amounts of material to be moved and because on steep slopes retaining structures may be required. In general, most trails constructed are 4 to 5 feet wide.

TRAIL ALTERNATIVE DISCUSSION

The following table summarizes four different trail alternatives the District should consider for routing the trail along the Miller Creek corridor. The difference in these alternatives are trail width (2-ft vs 5-ft), location (whether or not the trail is routed past or upslope of unstable area **G8**), and grade (whether or not the trail is built up at **G10** to reduce trail grade). Figure 2 depicts the different trail alternatives.

In our opinion, **Alternative 1A** is the preferred alternative because it minimizes crossing unstable terrain and because it is 5-feet wide allowing for both hikers and bicyclists. **Alternative 2B** should be avoided because of the potential hazard at the steep escarpment at **G7**. Figure 3 depicts preliminary layout of trail alternative 2A and 2B.

TABLE A: SUMMARY OF TRAIL ALTERNATIVES AND CONSTRAINTS						
ALT	**TRAIL WIDTH**	**PRINCIPAL CONSTRAINTS**	**DESCRIPTION**	**PROS / CONS**		**COST***
1A PREFERRED	5 FT Multi-Use	Steep streamside slopes but avoids unstable area **G8**	Follows alignments B3 and C2. Ramps up cutslope at **G7** to avoid crossing unstable area **G8**. Trail built up at **G10** to lower road grade	PROS • Reasonably stable/Minimizes unstable ground and limits risk to a generally acceptable level for trail use • 5 ft width accommodates hikers and bikers • Moderate gradient	CONS • High construction costs • Larger footprint	$274,000
1B	2 FT Single track	Steep streamside slopes but avoids unstable area **G8**; narrow width	Same as 1A but at narrow 2 ft width	PROS • Reasonably stable/Minimizes unstable ground • Lower construction costs due to narrow width	CONS • 2 ft width restricts bicycle use • Narrow width can result in greater user conflict due to difficulty to pass one another. • Less suited for high use areas	$171,300
2A	5 FT Multi-Use	Does not avoids unstable area **G8**, steeper trail grade	Follows alignments B2 and C1. Trail extends down road past unstable area **G7**. At **G10** trail follows old road at steeper grade.	PROS • Lower construction costs compared to 1A • 5 ft width accommodates hikers and bikers • Minimizes new trail construction • Trail can be realigned in future to offset from G8 • Trail can be built up at **G10** in future to reduce trail grade •	CONS • Greater risk of instability / failure • Steep escarpment at **G8** presents a potentially significant hazard to trail users • Steep 15% - 20% trail grade at **G10** will impede bicycles	$111,000
2B	2 FT Single track	Does not avoids unstable area **G8**, steeper trail grade; narrow width	Same as 2A but at narrow 2 ft width	PROS • Lowest cost • 5 ft width accommodates hikers and bikers • Minimizes new trail construction • Trail can be realigned in future to offset from G8 • Trail can be built up at **G10** in future to reduce trail grade	CONS • Greater risk of instability / failure • Steep escarpment at **G8** presents a potentially significant hazard to trail users • 2 ft width and steep trail grade restricts bicycle use • Narrow width can result in greater user conflict due to difficulty for users to pass. • Less suited for high use areas	$82,500
3	2 FT OR 5 FT	Locally steep slopes	Follows alignments B1 and C2.	PROS Most stable	CONS • Highest construction costs • Larger footprint • Not much immediate benefit over 1A	N/A

*Note: The actual cost will vary depending on whether the trail is constructed through partnerships with public agencies using dedicated trails staff or is constructed by a private contractor. The costs outlined here assume private contractor under prevailing wage and assumes 10% mobilization and 30% contingency. This estimate does not include permitting, biological monitoring, signage, rocking of the trail tread. Costs are approximate. It also does not consider increased costs over time. Trail construction cost may be reduced slightly by eliminating the recommended retaining walls, though this will increase the height of cuts resulting in greater risk of cutbank instability and associated maintenance costs.

REFERENCES

Blake Jr., M. C., Graymer, R. W., and Jones, D. L., 2000, Geologic Map and Map Database of parts of Marin, San Francisco, Alameda, Contra Costa and Sonoma Counties, California: U.S. Geological Survey, Miscellaneous field studies map MF-2337.

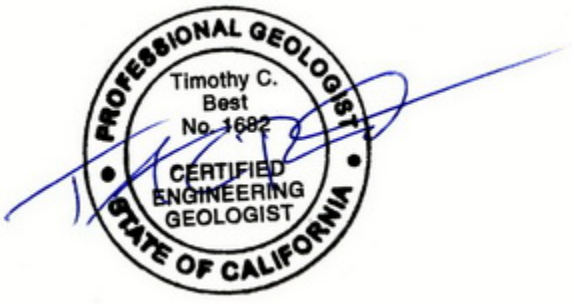
Rice, S. R., Smith, T. C., Strand, R. G., wagner, D. L., Randolph-Loar, C. E., Witter, R. C., and Clahan, K. B., 2002, Geologic Map of the Novato 7.5' Quadrangle, Marin and Sonoma Counties, California: A digital database: California Geologic Survey.

CLOSURE

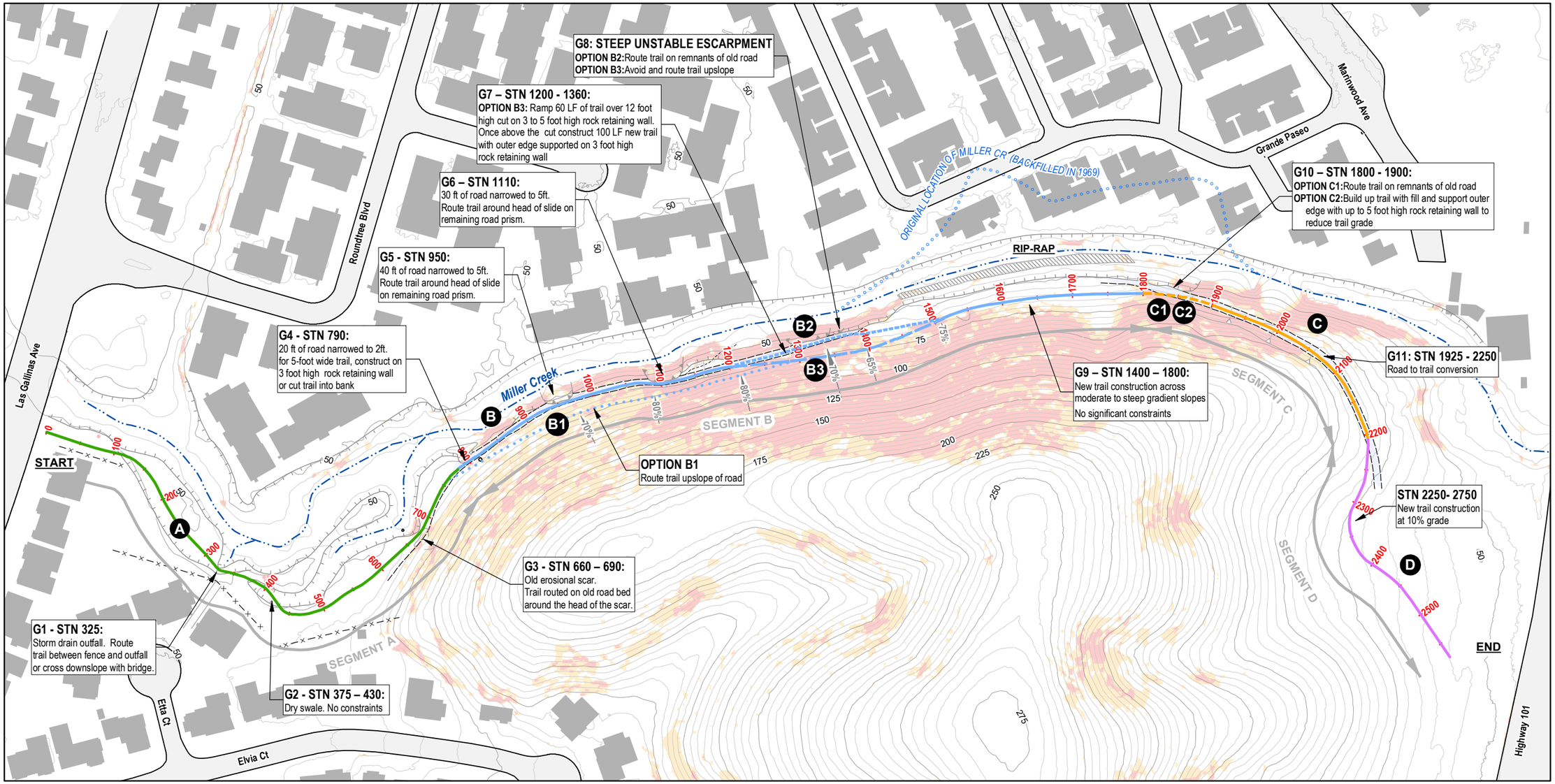
I hope this provides the information you need at this time. The recommendations outlined in this report are preliminary. Additional design services will be required if the District wishes to advance the recommendations outlined in this letter to construction documents and/or to develop reports for any permitting.

Our professional services were performed, findings obtained, and recommendations prepared in accordance with generally accepted engineering geologic principles and practices at this time and location. No warranties are either expressed or implied.

Sincerely,



Timothy C. Best, CEG 1682



TRAIL SEGMENT MAP

N

0 100 200
Feet

- OLD 1952 ROAD
- TOP OF CHANNEL BANK / ESCARPMENT
- SLIDE SCAR
- WATERCOURSE
- ABANDONED WATERCOURSE
- BUILDING
- FENCE LINE

TRAIL SEGMENTS AND OPTIONS

- A
- B
- B1: NEW TRAIL ABOVE ROAD
- B2: TRAIL ROUTED UPSLOPE OF UNSTABLE AREA G7
- B3: TRAIL ROUTED ALONG OLD ROAD AT TOP OF UNSTABLE AREA G7
- C
- C1: TRAIL BUILT UP ON FILL TO REDUCE TRAIL GRADE
- C2: TRAIL ROUTED ON OLD ROAD AT STEEP TRAIL GRADE
- D

SLOPE GRADIENT (FROM LIDAR)

- 0-65%
- 65 - 75%
- >75%

Note:
Topographic data derived from Marin County LiDAR Data.
Contours are approximate.

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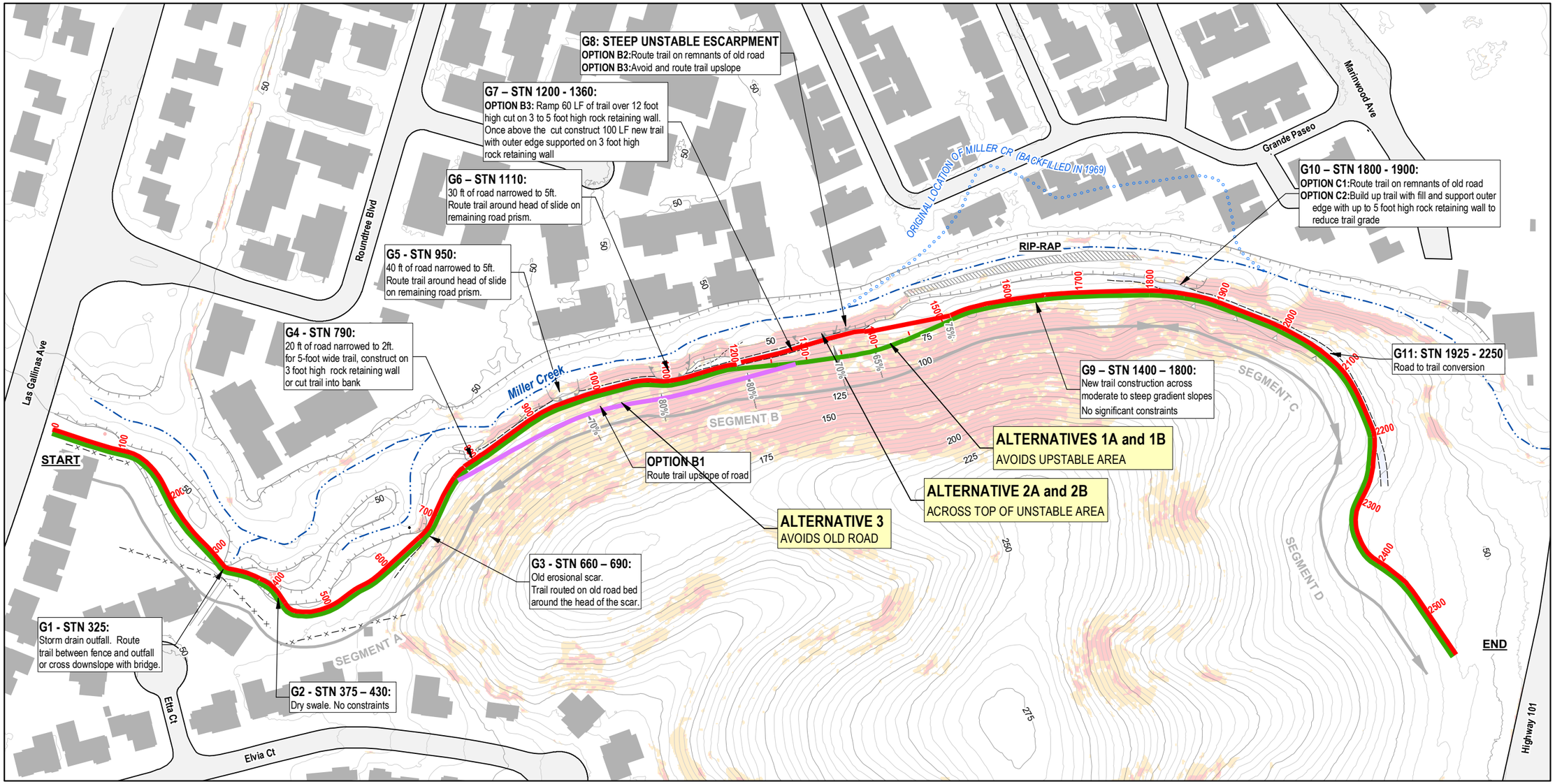
TRAIL SEGMENT MAP
MILLER CREEK WATERWAY TRAIL
Marinwood CSD

Date: 1/10/2022
Revised:
Project: MW-MILLERCR-894

FIGURE 1



TRAIL ALTERNATIVE MAP

N

0 100 200
Feet

- OLD 1952 ROAD
- TOP OF CHANNEL BANK / ESCARPMENT
- SLIDE SCAR
- WATERCOURSE
- ABANDONED WATERCOURSE
- BUILDING
- FENCE LINE

TRAIL ALTERNATIVES

- **ALTERNATIVES 1A AND 1B (PREFERRED):** (5FT VS 2FT TRAIL WIDTH):
  TRAIL ROUTED UPSLOPE TO AVOID UNSTABLE AREA G7
  TRAIL BUILT UP ON FILL AT G10 TO REDUCE GRADE
- **ALTERNATIVES 2A AND 2B:** (5FT VS 2FT TRAIL WIDTH):
  TRAIL ROUTED ON OLD ROAD ACROSS TOP OF UNSTABLE AREA G7
  TRAIL NOT BUILT UP ON FILL AT G10 - STEEP TRAIL GRADE
- **ALTERNATIVE 3:**
  TRAIL ROUTED UPSLOPE OF OLD ROAD

SLOPE GRADIENT (FROM LIDAR)

- 0-65%
- 65 - 75%
- >75%

Note:
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TRAIL ALTERNATIVE MAP
MILLER CREEK WATERWAY TRAIL
Marinwood CSD

Date: 1/10/2022
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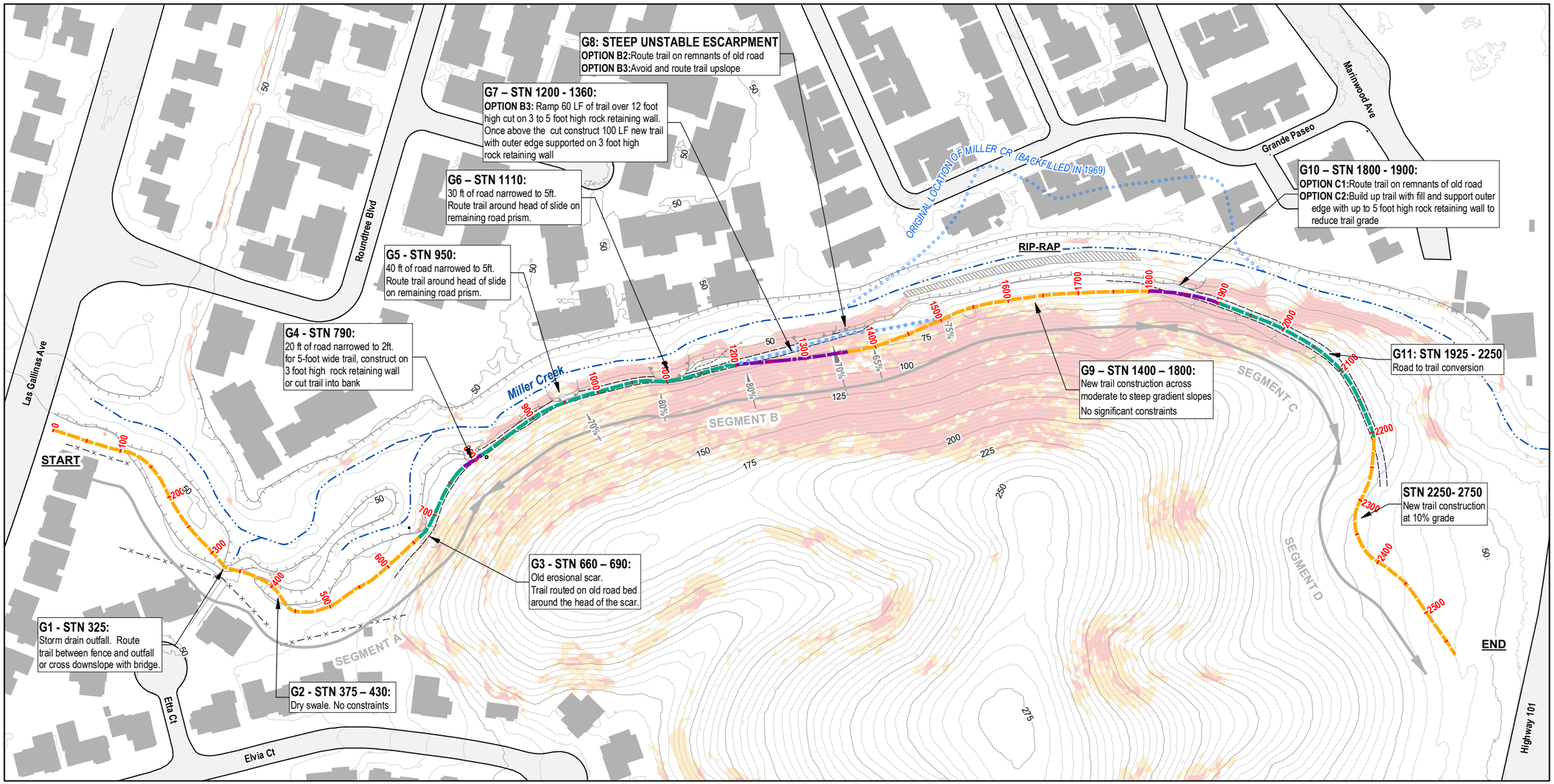
FIGURE 2



ALTERNATIVE 1A AND 1B TRAIL LAYOUT MAP

N

0 100 200
Feet

- OLD 1952 ROAD
- TOP OF CHANNEL BANK / ESCARPMENT
- SLIDE SCAR
- WATERCOURSE
- ABANDONED WATERCOURSE
- BUILDING
- FENCE LINE

ALTERNATIVE 1A AND 1B TRAIL LAYOUT

- NEW TRAIL CONSTRUCTION
- ROAD TO TRAIL CONVERSION
- ROCK RETAINING BUTRESS
- OPTION B3

SLOPE GRADIENT (FROM LIDAR)

- 0-65%
- 65 - 75%
- >75%

Note:
Topographic data derived from Marin County LiDAR Data.
Contours are approximate.

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ALTERNATIVE 1: TRAIL LAYOUT MAP

MILLER CREEK WATERWAY TRAIL

Marinwood CSD

Date: 1/10/2022
Revised:
Project: MW-MILLERCR-894

FIGURE 3

Staff Report

To: Park & Recreation Commission

From: Eric Dreikosen, District Manager

Date: January 25, 2022

Re: Commission Chair & Vice-Chair Designations

Commissioners,

As detailed in the Commission Bylaws, each January the Commission is to designate a Chairperson and Vice-Chair for the upcoming calendar year. I have included the relevant section of bylaws:

D. CHAIRPERSON
One regular Commission member shall be elected in January by the other Commissioners to the role of Chairperson of the Commission for a period of one year. The chairperson must have been appointed to the Commission for a period of no less than one year preceding election to the role of chairperson. The chairperson can serve in this role consecutively if reelected by the members of the Commission. The chairperson can be removed from this position by the majority vote of the Commission.

1. **DUTIES OF THE CHAIRPERSON**
   a. Preside over meetings of the Commission, utilizing and maintaining Rosenberg's Rules of Order.
   b. In cooperation with District staff, prepare agendas for Commission meetings.
   c. Attend Board meetings at least for the portion covering Commission matters and other portions the Chair may be asked to attend. Alternatively, designate another member of the Commission to attend should the Chair be unavailable.
   d. Report to the Board the actions and recommendations of the Commission to the extent needed to supplement the Commission's report.
   e. Welcome newly appointed Commissioners. Provide a copy of Commission Bylaws to each new Commissioner.
   f. Assign special duties and responsibilities to the Vice Chairperson.
   g. Form special committees as needed and appoint members to serve on the committee.
   h. Call special meetings in compliance with the Ralph M. Brown Act.
   i. Act as official spokesperson for the Commission.

E. VICE CHAIRPERSON
One Commission member shall be elected in January by the other Commissioners to become the Vice Chairperson of the Commission for a period of one year. The position does not imply succession into the position of Chairperson. The Vice Chairperson can serve consecutively in this position if reelected by the members of the Commission.

1. **DUTIES OF VICE-CHAIRPERSON**
   a. Perform the duties of the Chairperson in the absence of the Chairperson.
   b. Serve in such capacities as may be assigned by the Chairperson.

Parks and Recreation Report
January 2022
Submitted by: Luke Fretwell, Recreation Director

RECREATION

"Jingle Bell Jazz" Recap
Last month's "Jingle Bell Jazz" winter holiday concert went extremely well. The outdoor event featured a live performance by a local jazz group, photos with Santa, refreshments, and arts & craft kits for the kids. Staff did a wonderful job lighting and decorating the area and making the place look festive and inviting. Despite the cold weather, we had an amazing turnout—more than 200 people—and things ran smoothly.

Letters to Santa Recap
Our Letters to Santa program wrapped up on December 16th. This was our 2nd year and we had around 85 kids submit letters (and receive responses), more than double what we had in 2020. A big thank you to Carolyn Sullivan for spearheading the program and ensuring every letter got to and from Santa.

Winter Break Camp Recap
Winter Break Camp took place the last two weeks of December and served kids ages 5-10. The program ran smoothly and the rain stopped long enough for the kids to at least have a handful of days in the park. It was great to catch up with all our staff members on break from school.

Upcoming Events
Raise a Glass, our 11th annual winter wine tasting event takes place on Saturday, March 5th from 2-5pm. John Paul has secured a solid group of wineries for this year's event and we are pleased to once again be featuring live music from French café band Bistro Mustache.

Our Spring Art Show will take place on April 30th and will feature art from the local Marin art community. Details will be announced in the coming months.

Spring Summer Preparation
The Recreation Staff are working hard to finish the spring/summer Marinwood Review, which should be published later this month and will feature all our spring and summer classes, camps, and pool info.

Staff have been advertising positions, conducting interviews, and beginning to assemble our pool and camp staffs for the summer. Staffing is a major operation for our department as we employ 200-250 local part-time high school and college age individuals to work in our camps and pool programs each summer. Both Robyn and John Paul will be conducting several interviews a week for the next few months.

The Recreation Department is currently operating the Marinwood Preschool Program, the After School Program, Tae Kwon Do, Irish Dance, Zumba, Pilates, All Sorts of Sports, Music Together, adult and youth tennis, Capoeira (Brazilian martial art), CPR/First Aid, and Babysitter's Training. We have a handful of additional classes starting up in the spring as well; details will be included in the spring/summer catalog.

PARKS & BUILDING MAINTENANCE

Drain, V-Ditch, & Culvert Maintenance

In response to the high levels of rain we have been receiving, the Parks Maintenance Staff frequently inspects the drains, culverts, and v-ditches throughout the District that are most prone to clogging or flooding, and makes regular spot checks at the other drains. Thankfully, we have only had to address a small handful of minor issues this season and everything is currently flowing well.

Creek Bank Restoration

The winter storms have accelerated the erosion we have been observing in various spots along the creek. In an effort to mitigate this erosion and hopefully prevent further slides near the park and community center, the staff has spent several days over the past month planting willows along some of the problematic areas. Acting on direction from the Marin Resource Conservation District as well as the S.T.R.A.W. program, our staff has planted over 100 willow shoots and stakes, which will hopefully take root and help stabilize the soil along the creek. Further plantings and other erosion mitigation will continue throughout this winter and spring and will be monitored closely this next year. Under optimal conditions, we can expect 70-80% of our plantings to survive. I want to acknowledge Marco, Estevan, and John Paul for wading into the creek and working tirelessly in the cold and the rain for hours on end.

Other Activities

This past month staff did a winter fertilization treatment of the turf in the main park and pool, cleaned out the gutters and downspouts around the community center, trimmed trees at the Mini Park and Creekside Park, and performed rainy day maintenance on several tools and other equipment.

Pool Season Preparation

Staff has begun getting the pool complex ready for the new pool season. In the coming weeks we will be making repairs to the pool deck, painting the restrooms, replacing some plumbing components, sprucing the up the landscaping, and testing and inspecting all the pump room equipment before firing it up.

Upcoming Projects

In the coming months staff will be replacing some of the valves and irrigation wiring around the community center and pool to streamline our irrigation system.

Daily/Weekly Duties:

- Clean and restock Community Center building and park bathroom
- Blow/rake leaves around community center
- Empty garbage and dog waste receptacles in 3 parks and at trailhead
- Mow lawns in 3 parks and pool
- Irrigation inspection in 3 parks
- Check 3 playgrounds for graffiti and hazards
- Check and adjust pool chemistry/equipment