



CITY OF
**PALO
ALTO**

Stormwater Management Oversight Committee

Agenda

Thursday, June 3, 2021
1 pm to 3 pm
Special Meeting

BY VIRTUAL TELECONFERENCE ONLY

<https://zoom.us/join> Meeting ID: 990 9847 5635 Phone: 1(669)9006833

Pursuant to the provisions of California Governor's Executive Order N-29-20, issued on March 17, 2020, to prevent the spread of Covid-19, this meeting will be held by virtual teleconference only, with no physical location.

Agenda posted in accordance Government Code Section 54954.2(a) or 54956.

PUBLIC COMMENT

Members of the public who wish to participate by computer or phone can find the instructions at the end of this agenda. To ensure participation in a particular item, we suggest calling in or connecting online 15 minutes before the item you wish to speak on.

Call to Order (5 min)

Oral Communications (5 min)

Members of the public may speak to any item NOT on the agenda. A reasonable time restriction may be imposed at the discretion of the Committee Chair.

Old Business (5 min)

1. Approval of Minutes from the April 1, 2021 and May 6, 2021 Stormwater Management Oversight Committee Meeting (5 min)

New Business (90 min)

1. Welcome new committee members and elect Chair and Vice Chair of the committee (5 min)
2. Staff Update on FY 22 Final Budget (12 min)
3. Staff Update on Matadero Creek Oil Spill (10 min)
4. Staff Update on CIP Projects (10 min)

5. Staff Update on Caltrans Trash Control Device (10 min)
6. Review Final Workplan (13 min)
7. Staff Update on EPA Grant (10 min)
8. Staff Update on Stormwater Rebate Program (10 min)
9. Staff Update on GSI Program (5 min)

Committee Member Comments and Announcements (10 min)

Tentative Agenda Items for Future Meetings and Review Action Items (5 min)

Adjournment

AMERICANS WITH DISABILITY ACT (ADA)

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1. Written public comments may be submitted by email to the staff liaison, Karin North at karin.north@cityofpalalto.org.
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CITY OF
**PALO
ALTO**

Storm Water Management Oversight Committee Minutes

Thursday, April 1, 2021
1 pm to 3 pm
Special Meeting

*****BY VIRTUAL TELECONFERENCE ONLY*****

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Committee Members Present: Bob Wenzlau, Dena Mossar, Hal Mickelson, Peter Drekmeier, Ron Owes, David Bower, and Marilyn Keller

Committee Members Absent: None

Public Members Present: Joe Teresi

Staff Present: Karin North, Joanna Tran, Pamela Boyle Rodriguez, Loretta Olmos, Julie Weiss, Holly Boyd, and Michelle Nelson

PUBLIC COMMENT

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Call to Order (5 min) 1:03PM

Oral Communications (5 min)

Members of the public may speak to any item NOT on the agenda. A reasonable time restriction may be imposed at the discretion of the Committee Chair.

- No comments from members of the public.
- **Commissioner David Bower** thanked **Commissioner Peter Drekmeier** for including committee on his work with the Bay Area Water Initiative.
- **Commissioner Hal Mickelson** rearranged agenda to first cover comments/issues raised from Wednesday night's committee member training

Committee Member Training Comments (10 minutes)

- **Commissioner Hal Mickelson** – Handbook for City Boards/Committees/Commissions requires the preparation of a workplan. SWOC need to generate a workplan with the reports that are needed to be reviewed and an affirmation that the spending is made within the terms. (*Agenda Items 1-3*). Other part of workplan is to look for opportunities and incentives to promote green practices and green infrastructure (may cover 2/3 of a page in workplan).
- **Commissioner Hal Mickelson** – asked for two volunteers to form a subcommittee to compose a workplan and to schedule a short special meeting with this group in 3-5 weeks to approve the workplan. *Note: this year the workplan is due April/May, and in future years Feb/March.*
- **Commissioner Ron Owes** – During the meeting it was discussed that there were many conflicts of interests in some Commissions and this should be stated in the workplan. Members should be qualified and not have any special interests of their own.
- **Commissioner Hal Mickelson** – Requested volunteers for a two-person workgroup who will work with City Staff Karin North in developing a workplan. A short special meeting will be scheduled to approve of the workplan.
 - **Commissioner David Bower** makes the motion and **Commissioner Dena Mossar** seconds.
- **Commissioner David Bower** distinguished this is an ad hoc subcommittee (less than one-year and does not require notice for meetings). City attorney distinguished this ad hoc subcommittee is different from a standing subcommittee. **Motion to form an ad hoc subcommittee with two people that work with a City Staff.**
 - All Commissioners agree to form a subcommittee.
 - Volunteers to be on subcommittee: **Commissioner Hal Mickelson and Commissioner Bob Wenzlau**
 - **Commissioner Hal Mickelson** read comments from the two training sessions. “What is a Council liaison?” Council Liaison is the elected member of City Council that wants to liaise with the Committee.
 - **City Staff Karin North**– currently do not have a Council Member assigned, but can put in an ask in the workplan.
 - **Commissioner Hal Mickelson** – requested to add in the

workplan “we are eager to have the involvement of a Council Liaison at an early meeting.”

- **Commissioner Hal Mickelson** - Another comment raised in the meeting, “City Utility Commission has an overlapping jurisdiction with SWOC. City Utility Commission reviews the budget for each of the Utility funds, and SWOC is a utility fund. Do we need to ask the chair of the Utility Commission or a staff member for the Utility Commission on how to sort this out?”
 - **Commissioner Ron Owes** – stated the Utility Commission meets monthly
 - **Commissioner David Bower**- commented the Historic Resource Board liaises with the Architect Review Board and it is important to note that SWOC should not be overwritten by Utility Advisory Board, but also need to follow up with Committee with any changes.
 - **Commissioner Bob Wenzlau** – This issue should be clarified in the workplan to bring it to the attention of Council
 - **Commissioner Hal Mickelson** – will send an email to City Manager Ed Shikada, City Staff Karin North and copy **Commissioner Bob Wenzlau**, noting this overlap.
 - **Commissioner Dena Mossar**- commented that SWOC is not a committee with budgetary authority, but just oversees the budget to make sure spending is being done properly.
 - **Commissioner Hal Mickelson**- Confirmed the two charters do not overlap.
 - **City Staff Karin North**- Clarified stormwater management fee is not typically commented on during Utility Commission meetings. Stormwater management fee is bundled in with all the rates and since Utility charges the rates, stormwater is included. All utility rates are discussed at the UAC meeting. Staff report going to Finance Committee on April 20th. Place in the workplan the expectations that UAC knows about the rate increase and if any changes happen to communicate to SWOC.
- **Commissioner Bob Wenzlau**—commented that the training on microaggression was a good/important part of the training
- **Commissioner Hal Mickelson**— will send out a copy of the Rosenberg rules of order to replace Robert Rules of Order. Will also confirm statement from the Committee Chairs meeting with Molly Stump that if a motion has a second, then a record is needed of all Committee member names on “yes” and “no” votes. Cannot record

that the motion was passed with a majority.

- **Commissioner Bob Wenzlau**– commented on the need to execute the handbook but questioned what the methodology was and what needs to be signed.
 - **Commissioner Hal Mickelson** will follow up with answer.
 - **Commissioner Marilyn Keller** commented a page is signed electronically (page 4 or 5) and submitted.
 -
- **Commissioner Marilyn Keller**—commented on previous UAC discussion that that not much was mentioned regarding stormwater budget in the past
 - **City Staff Karin North**— UAC has no authority over budget, but because rates are being discussed, it is added to the meeting.

Old Business (5 min)

1. Approval of Minutes from the February 4, 2021 Storm Water Management Oversight Committee Meeting (5 min)
- Updates made and approved.

New Business

2. Staff Presentation on FY 22 Proposed Budget and Obtain Approval from Committee (35 min) **City Staff Karin North presenting for Jamie Perez**
 - Stormwater fee revenue proposed increase 2% and aligned with ballot that passed and subject to Council approval.
 - Operating anticipated adjustments in base program (general increases, fee revenue alignment), no changes in maintenance and GSI and innovative projects.
 - New: Capital includes all proposed projects in the ballot, and this year proposed recurring project to fund GSI projects and incorporate GSI features into other City CIP projects.
 - Overview of proposed budget- revenue collected went up slightly every year.
 - Proposed revenue is around \$8mil
 - No capital update at this meeting.
 - Loma Verde project is completed
 - Reoccurring repairs to storm drain system.

- **Commissioner Peter Drekmeier**- question on the deficit in the years 2019-2022
 - **City Staff Karin North**— City borrowed money and need to pay off by FY 2024.

GSI Budget Plan (City Staff Karin North)

- **Commissioner Bob Wenzlau**—Council is planning on scaling back CIP projects back by 25%. How will GSI be managed when Council is scaling back City budget?
 - **City Staff Karin North**— Stormwater money can only go to stormwater funds, specifically green stormwater infrastructure. However, Council may propose something else.
- **Commissioner Peter Drekmeier**—In our report to Council do we explain the true-up issue to preempt any issues about the deficit?
 - **City Staff Karin North**— Yes
- **Commissioner Ron Owes**— Will the high number of large projects affect City revenues?
 - **City Staff Karin North**— Staff will confirm and report back at the next meeting
- **Commissioner Ron Owes**—Will there be stormwater impacts from these large projects that have wall to wall concrete and no setbacks?
 - **City Staff Pam Boyle Rodriguez**— There is a process in place where City stormwater team reviews all projects, except small home improvement projects. Staff confirms all projects comply with stormwater permit and no sediments erode offsite. All projects must integrate stormwater management within that project.
- **Commissioner Peter Drekmeier**—San Francisco has a non-potable water reuse ordinance where new developments over a certain size capture stormwater for onsite use and require recycling of water onsite. Committee may recommend this to the City in the future as the “one water” concept pulled together in one ordinance.
 - **City Staff Karin North**— staff is already looking into the concept of “one water approach” with the Utilities Department. The San Francisco ordinance and requirements are different because there is a combined sanitary sewer and stormwater system. However, Palo Alto staff are looking into how to capture stormwater and repurpose it, all of which is described in the GSI plan.
 - **City Staff Pam Boyle Rodriguez**— staff is also planning on updating the stormwater ordinance next year. Staff will provide an update of this in a future meeting. Staff is waiting

for new permit to come out for RWQCP to do the ordinance all at once.

- **Commissioner David Bower**— requested to add Stormwater Ordinance to the agenda of a future meeting.
- **City Staff Pam Boyle Rodriguez**— Staff is doing a large marketing approach for the rebate program when the website is live. Ads will be live around April, and a UBI will be sent out in partnership with Utilities Departments.

3. Staff Update on GSI Funding Analysis Workgroup (5 min)— **City Staff Pam Boyle Rodriguez**

- Staff is working with a consultant to determine best way to move forward and will reach out to the committee members that volunteered to be on the workgroup. Meetings will be 1-1.5 hours long.
 - The small committee workgroup will discuss funding options for the fee.
- **Commissioner Hal Mickelson**—Workgroup will be a “Temporary Ad Hoc Committee” (less than one year)
 - New Ad Hoc Committee members: **Commissioners Dena Mossar and David Bower**
 - **Commissioner Dena Mossar** term expired and is not sure if she could be on committee.
 - **Commissioner Hal Mickelson**— Workgroup can co-opt nonmembers
 - Staff to confirm with City Clerk Office if **Commissioner Dena Mossar** can participate in Ad Hoc Temporary Subcommittee as a non-committee member and a “co-opted former committee member”
 - **Commissioner Hal Mickelson**—“We are confirming as part of this discussion that the members of this workgroup will soon receive possible dates and structure moving forward. The workgroup members are David and Dena, subject to staff confirming with the City Clerk that members can participate as members of the public and a co-opted member of the committee that is a former member”

4. Staff Update on Municipal Regional Stormwater Permit Renewal (10 min) **City Staff Pam Boyle Rodriguez**

- Current permit expired last calendar year and was extended to July 2022 because update of Permit 3.0

- Draft is out and staff at cities countywide are providing comments
- Draft permit language is more stringent with more requirements. Once made public, City staff will come back to SWOC and provide details on permit. Through discussion with the Water Board, Staff are hopeful to adjust the language to be more feasible for the cities.
 - Tentative Order Release is when the permit will be made public: ~July 2021 (early summer 2021).
 - Environmental groups and the public can provide comments to members of the Water Board
- July 22: permit becomes effective.
 - June meeting: staff will bring this back to Committee and open discussion to adjust resources accordingly.

Committee Member Comments and Announcements (10 min)

- **City Staff Karin North**– staff announcement: Assistant Public Works Director Phil Bobel will be retiring and work part-time for the City. Last day is May 7th.
 - **Commissioner Peter Drekmeier** - campaign to get the RWQCP named after Phil or Embarcadero Way. This would be a City decision (2 or 3 Council members will write a Colleague’s Memo). Peter will talk to Bob and brainstorm an idea to bring up with the committee.
 - **Commissioner Hal Mickelson**—add this topic to the next regularly scheduled meeting, not special meeting.
 - **City Staff Karin North** – Resolution for Phil Bobel will be May 3rd
- **Commissioner Hal Mickelson**— announcement to sign form that Commissioners reviewed handbook and will send out Rosenberg Rules of Order.
- **Commissioner Peter Drekmeier**– commented on news of Biden/Harris infrastructure package; are staff thinking about this and how Palo Alto can receive funding for projects?
 - **City Staff Karin North**– staff are aware and are looking into how to capitalize on this. Most funding will be for business revitalization. If more information available, will add this topic to the next regular meeting agenda.
- **Commissioner David Bower**— requested for a later in the afternoon meeting

- **City Staff Karin North** – will send an email request to Commissioners for Thursday May 6th at 3pm to discuss the chief agenda item, approval of workplan
- **Commissioners reviewed Committee Memo on FY 2022 Proposed Budget**
 - **Commissioner David Bower** moved to adopt language in Committee Memo on FY 2022 Proposed Budget. No changes were made. **Commissioners Peter Drekmeier, Hal Mickelson and Marilyn Keller** seconded the motion. **Commissioners Dena Mossar and Ron Owes** had left the meeting.
- **Commissioner Peter Drekmeier** made a motion to adjourn meeting with appreciation for Joe’s work for the Stormwater Committee.
 - **Marilyn, peter, Hal and David** voted in favor in honor and recognition to the accomplishments of former City Staff Joe Teresi.

Tentative Agenda Items for Future Meetings and Review Action Items (5 min)

- Ad hoc subcommittee workplan
- Ideas to honor for Phil Bobel
- Biden/Harris infrastructure package
- June meeting: MRP 2.0 update

Adjournment: 2:17pm

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Stormwater Management Oversight Committee Minutes

Thursday, May 6, 2021
3 pm to 4:30 pm
Special Meeting

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Committee Members Present: Dena Mossar, Ron Owes, Hal Mickelson, Peter Drekmeier, Bob Wenzlau

Committee Members Absent: David Bower, Marilyn Keller

Public Members Present: none

Staff Present: Karin North, Joanna Tran, and Jamie Perez

Call to Order (5 min) 3:14pm

Oral Communications (5 min)

Members of the public may speak to any item NOT on the agenda. A reasonable time restriction may be imposed at the discretion of the Committee Chair.

Old Business (5 min)

1. Approval of Minutes from the April 1, 2021 Stormwater Management Oversight Committee Meeting (5 min)
 - i. Postponed approval of the minutes to the next regular meeting until all members are present.

New Business (55 mins)

2. Discuss Boards, Commissions, and Committee (BCC) Workplan (55 min)
 - i. Staff provided a draft workplan for Committee members to review and update

Commissioners begins review on workplan purpose

1. **Bob Wenzlau**– mentioned Council’s invitation to think bigger (i.e. working on One Water and other water concepts).
 - a. **Ron Owes**– Major goals the cities voted on – climate change, etc. Should we conform to those goals? Look at other things to broaden what we look at. (i.e. going away from black concrete to white concrete to provide reduction in temperature, City of Los Angeles).
 - b. **Dena Mossar**– Committee job is not to make extra work for staff. Although the Council expressed interest broadening goals, it was not an official action from Council and not an official request for Committee to do that. Committee needs to be very cautious, because staff has their own workplan that needs to be accomplished, and staff cannot accommodate all requests from the SWOC.
 - c. **Bob Wenzlau**– asked if SWMOC has a Council liaison?
 - i. **City Staff Karin North** – Council liaison request needs to be put into the workplan. It is helpful to have a Staff liaison bring information to Council. If staff is already working on projects that Committee members are interested in, we can bring that team in to give a presentation, but we do not need to put it in the workplan

Committee review projects, priorities and goals

1. **Bob Wenzlau**– requested to include rain barrels in “innovative projects” but also update the wording from “innovative projects” to “conservation”. These are projects that can be done to have an outward benefit in stormwater management. “Innovative” does not make it sound very central to our program. (Example: “Zero Waste has a program that explores different methods, but we do not explore Zero Waste”).

d. **Dena Mossar**– asked if staff have the bandwidth to work on this

i. **City Staff Karin North** – answered, “Budget cuts have impacted some of our support. The same staff that works on SCAP works on stormwater tasks, but if this is a priority for the community, staff can look into it.”

e. **City Staff Jamie Perez**— Clarified that the workplan is reviewed each June by Council and should list up to three priorities that the committee has capacity to work on in the next two years. We can be more descriptive on how to complete these priorities, but the focus of the work must be done within the next two years. Scheduled to go back to Council each year on what was completed, and what to add in the next year.

f. **Dena Mossar and Hal Mickelson** wordsmith the following language, “Regulatory and compliance goals including where possible consideration of emerging stormwater management and sustainability technologies and techniques.”

g. **Bob Wenzlau** – stated naming a goal as “regulatory and compliance” is important. Rather than that be the title, this row could

read “environmental protection and sustainability goals” with sub-row as “compliance obligations with innovative approaches”

h. **Bob Wenzlau**– commented he would like to see the residential rain barrel program working within the next 6 months. Wants to add this on the workplan.

i. **Dena Mossar** – commented concern that the document is being used to highlight individual requests.

2. **Bob Wenzlau** – commented he would like to see staff come up with wording for workplan and then send to Committee for review and comment.

a. **Hal Mickelson** to work on workplan with **Karin North** and then circulate this for review by the group.

i. **Bob Wenzlau** – commented he would like to highlight outreach and communication methods (i.e. website and other outreach)

ii. **Peter Drekmeier** – commented he would like to highlight chloramine from washing cars and emptying pools in the workplan. There is a section of downtown, south of Forest with auto yards, that stormwater goes to RWQCP. Do we want to consider doing this in other areas of the City, especially now that this water be used for purple pipe? We should consider the quality of the water going into GSI.

iii. **Hal Mickelson** – stated the Committee needs a workplan that is feasible to start in the next six months and approved of quickly based on the actions determined

today. We can't go into the level of detail based on today's discussed ideas. Suggested the Committee should add all the items discussed to the agenda of a future regular meeting.

- iv. **Dena Mossar**: stated the workplan may not need the specific details of Committee member's concerns, but rather a goal for the Committee to identify. This should be communicated to the Council once a year, these are issues that haven't been addressed and are pertinent to stormwater. The Committee frequently adds to the agenda emerging issues. This will allow Committee members to address their concerns without putting it on the workplan.
- v. **Hal Mickelson** and **Karin North** – will work on workplan and add "outreach and surfacing emerging issues".

Tentative Agenda Items for Future Meetings and Review Action Items (5 min)

Adjournment 4:17pm

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FY 2022 PROPOSED BUDGET

- Reviewed and recommended by Finance Committee in May
- Scheduled to go to City Council in June for adoption

SWM Fee Revenue

- Proposed Increase: 2.0%
 - Based on Dec-Dec CPI for region

Operating: [FY 2022 Proposed Operating Budget](#)

- Base Program – general increases, fee revenue alignment
- Maintenance – no change
- GSI & Innovative Projects – no change

Capital: [FY 2022-2026 Proposed Capital Budget](#)

- Recurring project to fund GSI projects and incorporate GSI features into other City projects



GSI PRELIMINARY PLAN

	FY 2019 Actuals	FY 2020 Actuals	FY 2021 Adopted	FY 2021 Projection	FY 2022 Proposed	FY 2023 Projection
Green Stormwater Infrastructure	376	3	380	305^[1]	380	380
CIP Design/Construction	330	-	250	150 ^[2]	150	150
Consulting Services	46	3	130	155	85	85
Other Unassigned Tasks	-	-	-	-	145	145
Innovative Projects	1	61	125	84^[1]	125	125
GSI Consulting Services	-	-	80	58	80	80
Outreach	-	-	20	-	20	20
Rebates	1	3	25	26	25	25
Other Unassigned Tasks	-	-	-	-	-	-

^[1] Includes remaining/unspent funds carried forward and reappropriated from the previous fiscal year.

^[2] Funds to be transferred to Rinconada Park Improvements project (PE-08001) to fund implementation of GSI features.

FY22 PLANNED CIP PROJECTS

Capital Improvement Project Program	FY 2021 Adopted	FY 2022 Proposed
SD System Replacement & Rehabilitation (SD-06101)	1,822^[1]	1,882
Projects Identified from Ballot	1,871^[1]	3,793
Loma Verde Ave Trunk Line Improvements (#1, SD-19000)	_[1]	-
Corporation Way System Upgrades & Pump Station (#2, SD-21000)	1,655	3,355
West Bayshore Road Pump Station (#4, SD-20000)	167	438
West Bayshore Road Trunk Line Improvements (#3, SD-23000)	49	-
Green Stormwater Infrastructure (SD-22001)^[2]		501

^[1] Does not include remaining/unused funds carried forward or reappropriated from the previous fiscal year.

^[2] Budget for subsequent years of Green Stormwater Infrastructure project (SD-22001) to be reviewed during FY23 budget process.

FY22-FY26 PLANNED CIP PROJECTS

Capital Improvement Project Program	FY 2020 Adopted	FY 2021 Adopted	FY 2022 Proposed	FY 2023 Projection	FY 2024 Projection	FY 2025 Projection	FY 2026 Projection
SD System Replacement & Rehabilitation (SD-06101)	424	1,822	1,882	464	478	-	-
Projects Identified from Ballot	2,798	1,871^[1]	3,793	1,953	1,390	1,017	1,493
Loma Verde Ave Trunk Line Improvements (#1, SD-19000)	2,386	-(1)	-	-	-	-	-
Corporation Way System Upgrades & Pump Station (#2, SD-21000)	206	1,655	3,355	-	-	-	-
West Bayshore Road Pump Station (#4, SD-20000)	206	167	438	917	-	-	-
West Bayshore Road Trunk Line Improvements (#3, SD-23000)	-	49	-	1,036	1,319	-	-
East Meadow Drive System Upgrades (#7, SD-22000)	-	-	-	-	71	725	-
Louis Road System Upgrades (#11, SD-24000)	-	-	-	-	-	292	1,493
Green Stormwater Infrastructure (SD-22001)^[2]			501	-	-	-	-

^[1] Does not include remaining/unspent funds carried forward or reappropriated from the previous fiscal year.

^[2] Budget for subsequent years of Green Stormwater Infrastructure project (SD-22001) to be reviewed during FY23 budget process.



CITY OF
**PALO
ALTO**



2600 Middlefield Rd
CB_037_4_06 to MH_037_4_13

Storm Drain Rehabilitation and Replacement Project

June 3, 2021

Overview

- Public Works Public Services Division identified pipes that are failing during regular maintenance procedures.
- Pipes are broken, cracked or rusted.
- Over 60 sections of pipe identified.
- Categorized by severity of condition.
- Project only includes pipe to be repaired or rehabbed that is not part of the CIP list.



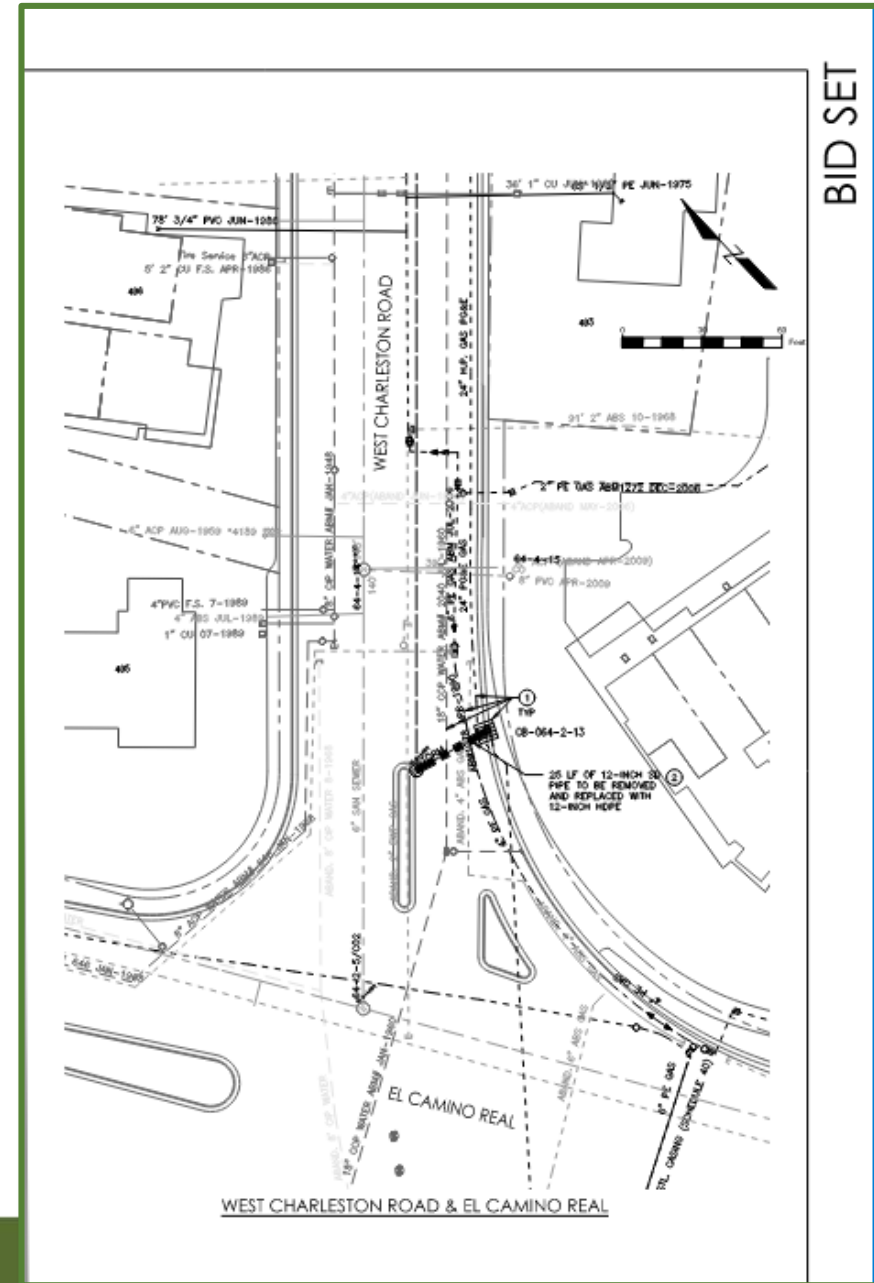
Project Scope of Work

- Corrugated metal pipe (CMP)
 - Installed between 1940 – 1980
 - Rust and tree roots
- Concrete pipes
 - Broken, cracks and tree roots
- 10-inch pipe
 - Broken and tree roots
 - Replaced with 12-inch pipe to meet minimum Storm Drain Design Standards



W Charleston Rd

- Pipe to be repaired
- Overlaps with construction timeline of another City project
- Coordinated with Streets group and now is part of Charleston Arastradero Corridor Phase 3 project
- Saves time and eliminates coordination between multiple contractors



BID SET

Improvement Options

- Regular maintenance, root cutting, flushing
- Cured in Place Pipe (CIPP) Lining
 - Trenchless method
- Pipe replacement
 - Requires trenching

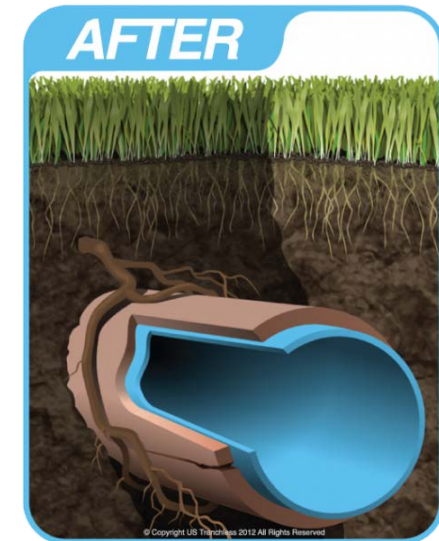


Image Source: US Trenchless

REHABILITATION

VS

REPLACEMENT

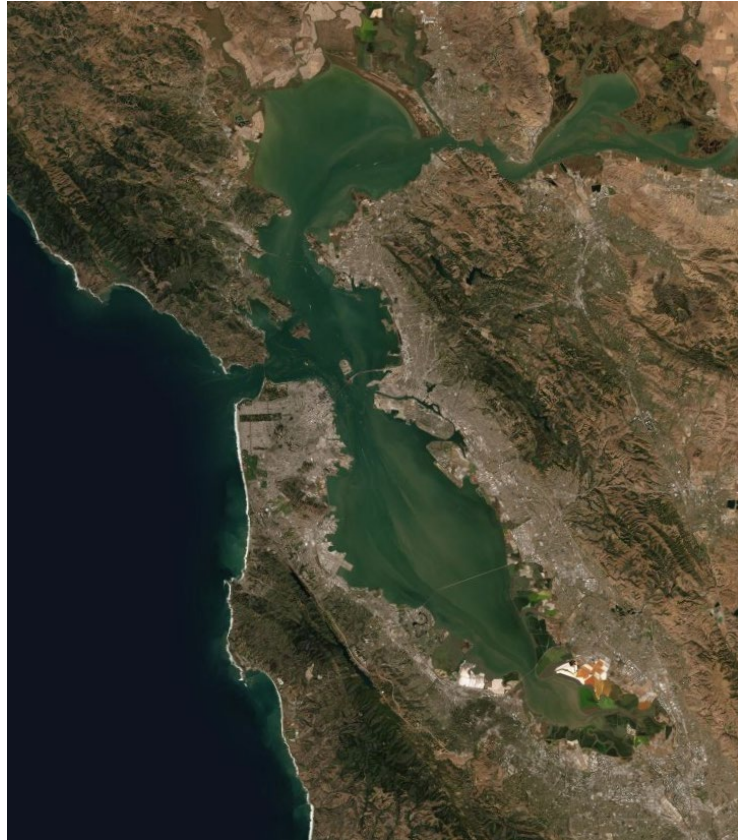
Considerations:

- Pipe Conditions
- Materials
- Roots
- Holes
- Cracks



Caltrans/City Trash Capture Partnership

Meeting Regulatory Requirements and Keeping SF Bay Healthy



Project Overview

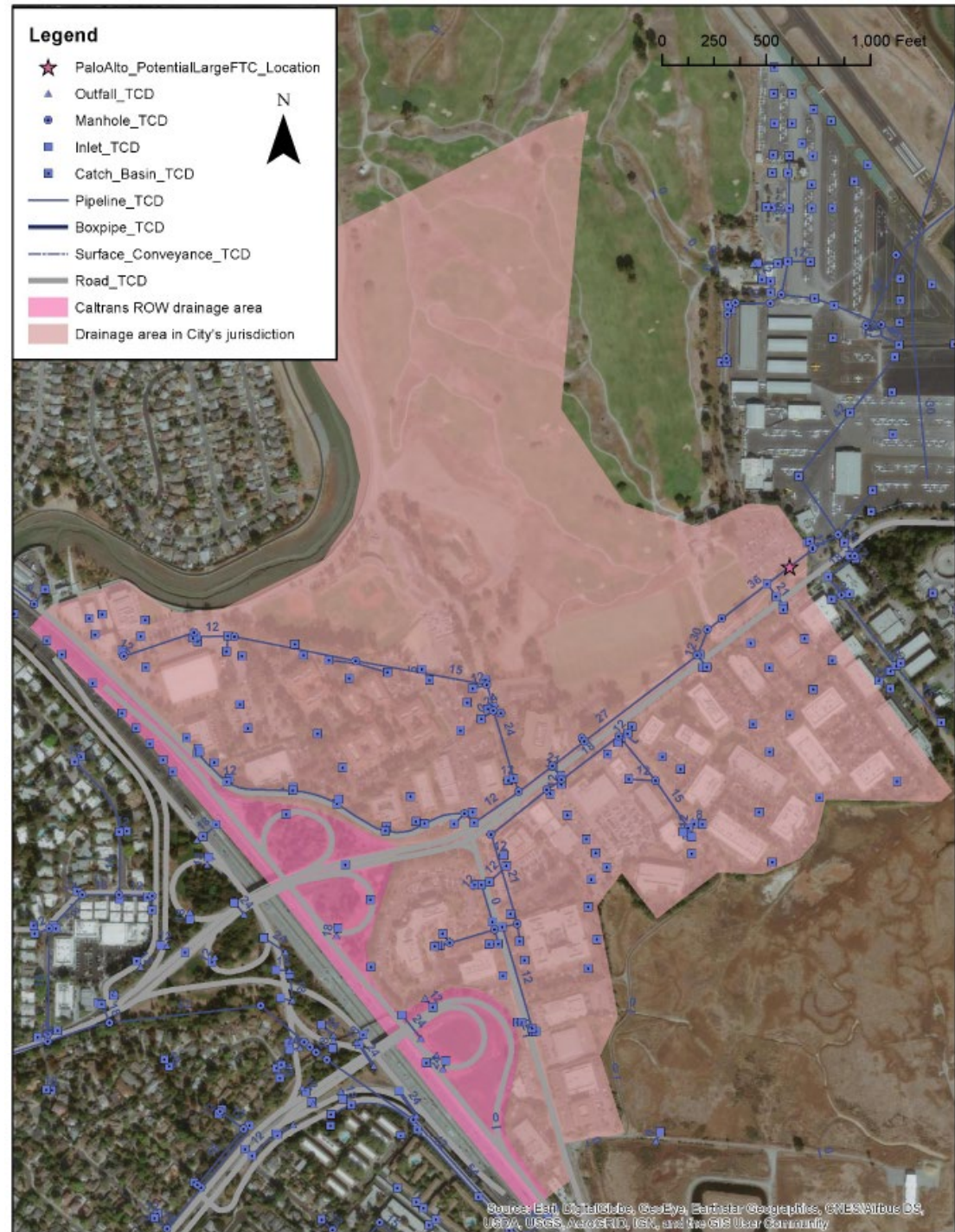
- MRP requirements: reduce trash by 100% or “no adverse impact to receiving waters” by 2022; Water Board will extend to 2025
- Palo Alto status - June 2020 @ 80%; w/ project, increases to 85%
- Caltrans receives trash reduction credit by funding municipal projects
- Caltrans funding – up to \$613,000 for design and construction of trash capture device
- City to lead project, will be reimbursed

Proposed Trash Capture Device Location



Project Drainage Area

PA: 189 ac
Caltrans: 21 ac



Project Cost Estimate

Phase	Cost	Funding Agency
Preliminary Design	\$7,500 (final)	City
Final Design	\$105,000 (est.)	Caltrans
Construction	\$493,000-508,000 (est., equipment dependent)	Caltrans
Maintenance (over 50 yrs.)	\$272,000 (est.)	City

Next Steps

- City Council, 6/14/21: adopt resolution to enter agreement
- Caltrans Cooperative Implementation Agreement finalized
- Formal RFP Released ~ August
- Project Kickoff ~ October
- Final Design: Feb 2022
- Construction: Summer 2022
- Project Completion: October 2022

Stormwater Management Oversight Committee (SWMOC)

Purpose: The Stormwater Management Oversight Committee reviews the projects, programs and expenditures that are funded by the Stormwater Management Fees including proposed stormwater management capital improvements and confirms their conformity to the 2017 ballot measure.

Approved Projects, Priorities, & Goals	Project, Priority, or Goal	Benefit, if completed	Mandate by State or Local Law and approved by City Council?	Policy Update as Directed by the City Council?	Timeline for Completion	Resources Needed	Measure of Success
		Track and monitor 2017 Ballot Measure, which covers 13 Capital Projects. This workplan focuses on 3 projects and 1 completed project.	Reduced ponding and flooding	Y	Y	2032	Staff support
	Environmental protection and sustainability including regulatory and compliance goals.	Regulatory compliance in alignment with the City's policy on sustainability	Y	Y	Ongoing	Staff support	Meeting sustainability goals and compliance with stormwater regulations
	Track and monitor implementation of Green Stormwater Infrastructure (GSI) Plan.	Improved water quality and environmental enhancement	Y	Y	Ongoing	Staff support, Sub-committee for financing GSI	Increased acreage of stormwater treated through GSI features
Prioritize Projects, Priorities, & Goals	Name of Project, Priority, or Goal	Priority 1: Urgent (within 6 months)	Priority 2: High (within the year)	Priority 3: Medium (within 2 years)	Priority 4: Low (beyond 2 years)		
	Track and monitor 2017 Ballot Measure, which covers 13 Capital Projects. This workplan focuses on 3 projects and 1 completed project.	Review completed design for 3 proposed projects to be constructed within the next 3 years.	Track and monitor construction progress on Corporation Way System Upgrades & Pump Station (SD-21000).	Track and monitor construction progress on W Bayshore Road Pump Station (SD-20000).	Track and monitor construction progress on W Bayshore Road Trunk Line Improvements (SD-23000).		
	Environmental protection and sustainability including regulatory and compliance goals.	1) Committee reviews proposed Stormwater Permit and comments as needed. 2) Continue to promote stormwater rebate program (including rain barrels). 3) Communications and outreach.	1) Review action plan to meet regulatory requirements for trash reduction and review plans for the Embarcadero Trash Capture Project. 2) Where possible, consider emerging residential and commercial stormwater management technologies and techniques. 3) Provide opportunities for individual committee members to surface emerging issues.	Review the changes to the stormwater ordinance to reflect updated Municipal Stormwater Permit requirements.	Review trash reduction actions formulated by action plan.		
	Track and monitor implementation of Green Stormwater Infrastructure (GSI) Plan.	1) Review Greening Parking Lots Project. 2) Continue Southgate Greening Project. 3) Support completion of GSI at Bike Bridge Project.	1) Review GSI feature at Hopkins near Rinconada Park. 2) Review EPA grant-funded Greening Parking Lots Project with staff.	1) Review and comment on tool to measure impervious surface throughout City. 2) Review and comment on GSI specifications. 3) Support the Greening Parking Lots Project.	Review GSI Maintenance and Monitoring Manual.		

**GREENING PARKING FACILITIES
FOR A SUSTAINABLE COMMUNITY**

City of Palo Alto

Funded by EPA Water Quality Improvement Fund, Stormwater Fund, and Partners

PROJECT COMPONENTS

Task	Primary Partners
Task 1: Parking Lot Retrofits	Palo Alto Santa Clara San Francisco Estuary Institute (pre and post-construction monitoring)
Task 2: Guidebook for Greener Parking Facility Design	Countywide
Task 3: GSI Maintenance Training & Work Force Program Framework	Grassroots Ecology & San Jose Conservation Corps
Task 4: Community Engagement & Education	Grassroots Ecology & San Jose Conservation Corps

PARKING LOT GREENING RETROFIT

Timeline	Budget (\$762,400 est.)
Design: Jan. 2022-April 2023	\$117,800 (does not include community engagement)
Construction: May-Dec. 2023	\$644,600

FUNDING BREAKDOWN:

EPA: \$412,400


City: \$350,000

LOT A @ EMERSON/LYTTON



PROPOSED PARKING LOT RETROFIT

- Green Stormwater Infrastructure integration
- Improved refuse management (several food facility users)
- Bike parking
- EV chargers
- Energy-efficient lighting
- Community space



**City of Palo Alto
Stormwater Rebate
Program Update**
Outreach and Campaigns

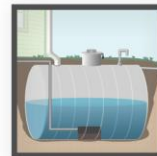
June 2021

www.cityofpaloalto.org/stormwater

Rebates Available for Residents and Businesses



1. Rain barrels
2. Cisterns
3. Rain gardens
4. Pervious pavement



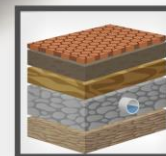
Below-Ground Cistern



Rain Barrel



Rain Garden



Permeable Pavement



Above-Ground Cistern

May Utility Bill Insert

- Residential and commercial
- *City of Palo Alto Rebates* collaboration with Utilities Department



6
different
rebates
for Palo Alto
Residents

YARDS HAVE EVOLVED

Our rebates help you make the change

The City of Palo Alto and Valley Water landscape and water rebates help you save money on home projects while focusing on sustainability, efficiency, and conservation. Learn more at cityofpaloalto.org/rebate.



7
different
rebates
for Palo Alto
Businesses

LANDSCAPES HAVE EVOLVED

Our rebates help you make the change

The City of Palo Alto and Valley Water offer money saving rebates to Palo Alto commercial, institutional, industrial, and multi-family sites (5 or more units) while focusing on sustainability, efficiency, and conservation. Learn more at cityofpaloalto.org/commercialprograms.



Ad Campaign

1. Google ads
2. YouTube
3. Facebook
4. Palo Alto Online



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STORMWATER REBATE INCENTIVES THAT:

- 💧 **SAVE YOU MONEY**
- 💧 **HELP THE ENVIRONMENT**

[CLICK TO LEARN MORE](#)

CITY OF PALO ALTO

STORMWATER REBATES THAT:

- 💧 **SAVE YOU MONEY**
- 💧 **HELP THE ENVIRONMENT**

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Ad Campaign (cont.)




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ALTO**

STORMWATER REBATE INCENTIVES THAT:

- 💧 **SAVE YOU MONEY**
- 💧 **HELP THE ENVIRONMENT**

**CLICK TO
LEARN
MORE**




CITY OF
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ALTO**

**ATTENTION PALO ALTO
RESIDENTS & BUSINESSES!**

Are you thinking of an outdoor
improvement project this year?
Why not get paid for it!

- Rain Barrels
- Rain Gardens
- Cisterns
- Pervious Pavement

Up to \$3,000 for residential properties and
up to \$55,000 for commercial properties.

CLICK TO LEARN MORE





Stormwater Incentives For Palo Alto Residents & Businesses

FOUR DIFFERENT REBATES TO
HELP SAVE WATER, MONEY,
AND THE ENVIRONMENT

Learn more online at:
cityofpaloalto.org/stormwater



11 likes

cityofpaloalto Rebates for rain barrels, cisterns, rain gardens, and pervious pavements are available to Palo Alto residents and businesses. Apply for one today using the link in our bio!

View 1 comment

April 30

City Manager's Office Social Media Posts



Stormwater Incentives For Palo Alto Residents & Businesses

FOUR DIFFERENT REBATES TO
HELP SAVE WATER, MONEY,
AND THE ENVIRONMENT

Learn more online at:
cityofpaloalto.org/stormwater

#PaloAlto residents are eligible for rebates for rain barrels, cisterns, pervious pavement, and rain gardens. Learn more: <http://bit.ly/pa-sw-rebates>

1. Facebook
2. Twitter
3. Instagram
4. NextDoor

New Supporting Webpages

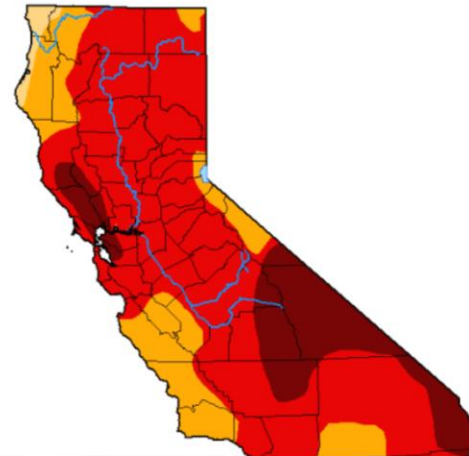
- ***Building Resiliency to Drought with Stormwater Rebates***
 - Responding to increase interest in saving water due to drought

Building Resiliency to Drought With Stormwater Rebates

As of late April 2021, parts of the Bay Area, including Palo Alto, are considered to have entered an extreme drought phase according to the [U.S. Drought Monitor](#). (The drought map on this webpage last updated on 5/19/2021).

U.S. Drought Monitor California

May 18, 2021
(Released Thursday, May 20, 2021)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	94.31	73.33	15.91
Last Week 05-11-2021	0.00	100.00	100.00	94.31	73.33	13.53
3 Months Ago 02-16-2021	0.70	99.30	84.88	57.58	30.99	3.75
Start of Calendar Year 12-28-2020	0.00	100.00	95.17	74.34	33.75	1.19
Start of Water Year 09-29-2020	15.35	84.65	67.65	35.62	12.74	0.00
One Year Ago 05-19-2020	41.80	56.20	46.67	20.84	2.97	0.00

Intensity

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Adam Hartman
NOAA/NWS/NCEP/CPC



Newsletters

- *Green Stormwater Infrastructure and Sustainability lists*

- 1) Palo Alto Rebates for your Outdoor Projects”
(4/29/2021)

- 5,444 recipients

- 2) “Learn More about Pervious Pavement Rebates”
(5/11/2021)

- 5,438 recipients

- Contractor list

- 3) *Landscape Contractors who work in the City of Palo Alto* (Date sent TBD)

- Directed to new contractor webpage



Help Your Client Receive a Rebate!

The City of Palo Alto partners with Valley Water to offer stormwater rebates to residential and commercial property owners (including multi-family sites of 5 units or more) located in Palo Alto. Rebates for rain barrels, cisterns (above and below ground), rain gardens, and pervious pavement focus on projects that help mitigate stormwater pollution in our city.

This rebate program requires that cisterns, rain gardens, and pervious pavement be installed by a California-licensed contractor. This page includes information specifically for contractors to help guide their clients through qualified rebate projects.

Pick your Rebate

Click on each rebate option below for information on each application process and rebate incentives, and frequently asked questions. See the contractor FAQ below to learn more.



May BAWSCA Workshops

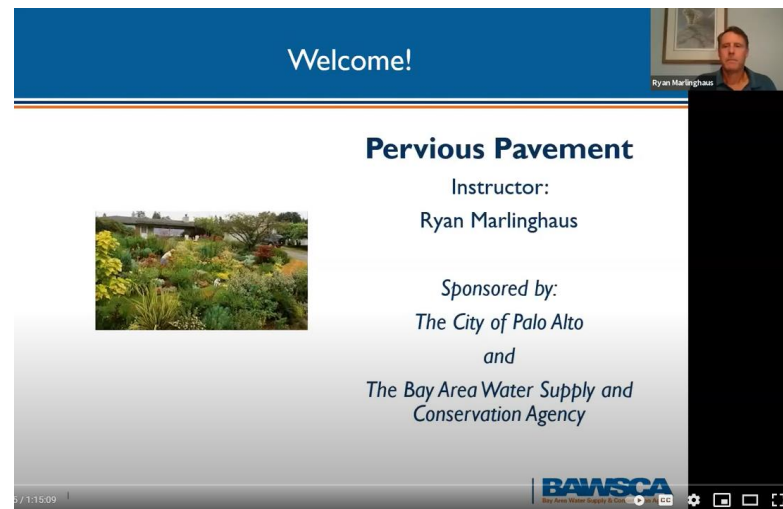
1. Landscape Design 101 – How to get Started

- a) 5/6/2021, 30 attendees
- b) “Converting existing landscape to more efficient and drought tolerant landscaping”



2. Pervious Pavement

- a) 5/18/2021, 45 attendees
- b) “The various types of pervious pavements; what you need to know before considering on your property; and how to maintain pervious pavement once it’s installed





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cityofpaloalto.org/stormwater

GSI Program Update



CITY OF
PALO ALTO

Additional Outreach

- Contractor outreach (~275), new web page (soon)
- GSI web page (done)
- June – New Pollution Prevention web page
- July UBI – focus on Healthy Creeks
- Rebate Program participant signs



GSI Program: In the Works

- SWMOC Funding Adhoc Group progress
- Upcoming GSI project @ Rinconada - pending Council approval
- GSI Implementation Project kick-off this month
- Rain Barrel project research

