

Agenda
*****Special Meeting*****
Of the Oakland Parks and Recreation Advisory Commission
(PRAC) Wednesday, January 11th, 2023 at 4:30 PM

Zoom Webinar Information:

When: Jan 11, 2023 04:30 PM Pacific Time (US and Canada)

Topic: Parks and Recreation Advisory Commission Meeting - January 11, 2023

Please click the link below to join the webinar:

<https://us06web.zoom.us/j/84149434010>

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How To Submit Public Comments:

1. To comment by Zoom video conference, click the “Raise Your Hand” button to request to speak when Open Forum comments are being taken or on an eligible agenda item after it has been presented. You will be permitted to speak during your turn, allowed to comment, and after the allotted time, re-muted. Instructions on how to “Raise Your Hand” is available at: <https://support.zoom.us/hc/en-us/articles/205566129> - Raise-Hand-In-Webinar.

2. To comment by phone, please call on one of the above listed phone numbers. You will be prompted to “Raise Your Hand” by pressing “*9” to speak when Open Forum is taken or after an eligible agenda item has been presented. You will be permitted to speak during your turn, allowed to comment, and after the allotted time, re-muted. Please unmute yourself by pressing *6.

3. To submit comments to the PRAC prior to the meeting, send an email to:

publiccomments2prac@oaklandca.gov by 10:00 a.m. the day of the meeting. List the following information on the “subject” line of your email:

Public Comments: PRAC meeting dd/mm/yy (date of the scheduled meeting)

>>>Replies will not be sent from this email address<<<

If you have questions, email publiccomments2prac@oaklandca.gov or phone Oakland Parks, Recreation and Youth Development @ 510-238-7275. Thank you.

Pursuant to California Government Code section 54953(e). Parks Recreation Advisory Commission Board Members/Commissioners, as well as staff, will participate via phone/video conference, and no physical teleconference locations are required.



AGENDA

**Parks And Recreation Advisory Commission (PRAC)
Wednesday, January 11th, 2023 at 4:30 P.M.**

*****NOTE: ALL PUBLIC COMMENT ON ACTION ITEMS WILL BE TAKEN AT THE BEGINNING OF THE MEETING UNDER ITEM 3. COMMENT FOR ITEMS NOT ON THE AGENDA WILL BE TAKEN UNDER ITEM 9, OPEN FORUM, AT THE END OF THE MEETING.**

CALL TO ORDER / ROLL CALL

ALLEN, BARACH, DUHE, HA, KOS-READ, D. SMITH, K. SMITH, TORRES, TRAN, AND WATKINS

1. MODIFICATION OF THE AGENDA:

- Agenda Item 5 will be the ELECTION OF CHAIR AND VICE CHAIR.

2. DISPOSITION OF MINUTES:

- November 9th, 2022 Draft Meeting Minutes

3. PUBLIC COMMENT:

Comment on all items will be taken at this time. Comments for items not on the agenda will be taken during Open Forum.

4. CONSENT CALENDAR ITEMS:

- 4A. RESOLUTION RENEWING AND CONTINUING THE PARKS AND RECREATION ADVISORY COMMISSION'S DETERMINATION THAT CONDUCTING IN-PERSON MEETINGS OF THE PARKS AND RECREATION ADVISORY COMMISSION AND ITS COMMITTEES WOULD PRESENT IMMINENT RISKS TO ATTENDEES' HEALTH, AND ELECTING TO CONTINUE CONDUCTING MEETINGS USING TELECONFERENCING IN ACCORDANCE WITH CALIFORNIA GOVERNMENT CODE SECTION 54953(e), A PROVISION OF AB-361.

5. ELECTION OF CHAIR AND VICE CHAIR

6. NEW BUSINESS:

6A. REQUEST FOR THE PARKS AND RECREATION ADVISORY COMMISSION TO APPROVE THE INSTALLATION OF A MOUNTAIN BIKING REPAIR STATION IN JOAQUIN MILLER PARK.

6B. REQUEST FOR THE PARKS AND RECREATION ADVISORY COMMISSION TO APPROVE THE USE NONINVASIVE TOOLS TO MONITOR THE URBAN WILDLIFE OF OAKLAND.

6C. INFORMATIONAL REPORT ON COURTLAND CREEK RESTORATION PROJECT AT COURTLAND CREEK PARK.

6D. REQUEST APPROVAL FROM THE PARKS AND RECREATION ADVISORY COMMISSION TO ALLOW THE PERALTA PARENT TEACHER GROUP (PPTG) PERMISSION TO COLLECT ONSITE DONATIONS, TICKET SALES AT DOOR AND HOST A SILENT AND LIVE AUCTION AT THEIR FUNDRAISING EVENT TO BE HOSTED AT LAKE MERRITT SAILBOAT HOUSE ON SATURDAY MARCH 18, 2023, FROM 2:00PM-10:00PM.

7. PLANNING AND CONDITIONAL USE PERMITS:

8. UPDATE FROM DIRECTOR, COMMITTEES, RECREATION ADVISORY COUNCILS & ANNOUNCEMENTS:

9. OPEN FORUM:

All comment for items not on the agenda will be taken at this time.

ADJOURNMENT

Next Meeting:

Wednesday, February 8th, 2023 at 4:30PM

Via Zoom Teleconference

* Visit [PRAC Website](#) for more information, documents, and reports.

This meeting location is wheelchair accessible. To request disability-related accommodations or to request an ASL, Cantonese, Mandarin or Spanish interpreter, please email publiccomments2prac@oaklandca.gov or call Oakland Parks, Recreation and Youth Development at (510) 238-7275 or TDD/TTY (510) 238-3254 at least five working days before the meeting. Please refrain from wearing scented products to this meeting as a courtesy to attendees with chemical sensitivities.

Esta reunión es accesible para sillas de ruedas. Si desea solicitar adaptaciones relacionadas con discapacidades, o para pedir un intérprete de en español, Cantones, Mandarín o de lenguaje de señas (ASL) por favor envíe un correo electrónico a publiccomments2prac@oaklandca.gov o llame al (510) 238-7275 o (510) 238-3254 por lo menos cinco días hábiles antes de la reunión. Se le pide de favor que no use perfumes a esta reunión como cortesía para los que tienen sensibilidad a los productos químicos. Gracias.

會場有適合輪椅出入設施。需要殘障輔助設施, 手語, 西班牙語, 粵語或國語翻譯服務, 請在會議前五個工作天電郵 publiccomments2prac@oaklandca.gov 或致電 (510) 238-7275 或 (510) 238-3254 TDD/TTY。請避免塗搽香氛產品, 參加者可能對化學成分敏感。



DRAFT MINUTES:
***Special Meeting of the Oakland
Parks and Recreation Advisory Commission (PRAC)
Wednesday, November 9th, 2022, 4:30 P.M.
Zoom Teleconference**

Meeting Recording Link:

<https://oakland.granicus.com/player/clip/5191?&redirect=true>

CALL TO ORDER / ROLL CALL: 4:39 P.M.

**ALLEN, DUHE, HA, KOS-READ, D. SMITH, K. SMITH, TORRES, TRAN,
WATKINS**

Present (7): Chair Allen, Vice Chair Tran, Commissioners Ha, Kos-Read, Torres, Watkins

Excused (1): Commissioner Duhe

Absent (2): Commissioners D. Smith, K. Smith

Chair Allen read statement on Consent Item 4A – Resolution No. 2022-01 in accordance with California Government Code Section 54953(e), a provision of AB-361.

1. MODIFICATION OF THE AGENDA:

- Modification requested to remove Agenda Item 6A.

Motion: Chair Allen entertained a motion to remove Agenda Item 6A. **Moved by:** Vice Chair Tran. **Second by:** Commissioner Kos-Read. **Vote:** Yes (6) Allen, Ha, Kos-Read, Torres, Tran, Watkins. **Abstain:** (0). **Motion:** Passed.

2. DISPOSITON OF MINUTES:

- October 12th, 2022 Draft Meeting Minutes
 - Chair Allen’s comments under Announcements were in reference to the RAC Updates under Item 8 and moved to the appropriate section.
 - Vice Chair Tran requested clarification on the “tragedy” referenced in Commissioner Kos-Read’s Lake Merritt Ad Hoc Committee update. Commissioner Kos-Read recalled the “tragedy” as a fatal incident that recently occurred near Fairyland.

Motion: Chair Allen entertained a motion to approve the October Meeting Minutes with corrections. **Moved by:** Commissioner Ha. **Second by:** Vice Chair Tran. **Vote:** Yes (6) Allen, Ha, Kos-Read, Torres, Tran, Watkins. **Abstain:** (0). **Motion:** Passed.

3. OPEN FORUM: There were 3 speakers and 2 public comments received via email.

4. CONSENT CALENDAR ITEMS:

- 4A. **RESOLUTION RENEWING AND CONTINUING THE PARKS AND RECREATION ADVISORY COMMISSION'S DETERMINATION THAT CONDUCTING IN-PERSON MEETINGS OF THE PARKS AND RECREATION ADVISORY COMMISSION AND ITS COMMITTEES WOULD PRESENT IMMINENT RISKS TO ATTENDEES' HEALTH, AND ELECTING TO CONTINUE CONDUCTING MEETINGS USING TELECONFERENCING IN ACCORDANCE WITH CALIFORNIA GOVERNMENT CODE SECTION 54953(e), A PROVISION OF AB-361.**

Motion: Chair Allen entertained a motion to approve Item 4 – Consent Items. **Moved by:** Commissioner Ha. **Second by:** Commissioner Kos-Read. **Vote:** Yes (6) Allen, Ha, Kos-Read, Torres, Tran, Watkins. **Abstain:** (0). **Motion:** Passed.

5. MEASURE Q OVERSIGHT/AD HOC COMMITTEE UPDATE:

*Visit Measure Q [website](#) for more information, documents, and reports.

- Informational Report: OPW Monthly Measure Q Hiring Matrix and Performance Measures Update:

Sean Maher, OPW Public Information Officer, Assistant to the Director presented verbal report. Hiring Updates: none at this time. Staff Labor Hours per Park Acre for the fiscal year is updated. Ballfields Mowed data capture available through September. New metrics added to monitor Monthly Litter Collection by Hours and Volume, and the number of times Park Restroom Cleanings occur monthly updated from July through September. Periodic audit on resource use underway via the elected City Auditor's Office. Other departments involved are: Public Works, Finance, and Human Services.

Commissioner K. Smith joined the meeting.

Motion: Chair Allen entertained a motion to accept the informational report on Measure Q. **Moved by:** Commissioner Ha. **Second by:** Vice Chair Tran. **Vote:** Yes (7) Allen, Ha, Kos-Read, K. Smith, Torres, Tran, Watkins. **Abstain:** (0). **Motion:** Passed.

6. NEW BUSINESS:

- 6A. **STAFF RECOMMENDS THAT THE PARK AND RECREATION ADVISORY COMMISSION RECEIVE THIS INFORMATIONAL REPORT ABOUT THE DRAFT SAN ANTONIO PARK MASTER PLAN AND MAKE A RECOMMENDATION TO THE CITY COUNCIL TO SUPPORT THIS PLAN.**

Mi Kyung Lew, OPW Capital Improvement Project Coordinator, introduced speaker Denise Youmans, LCA Architects, who presented the follow up report to September's PRAC Meeting. Friends of San Antonio Park (FOSAP) members, Elena Serrano, Diego Gonzalez, and Mira Manickam-Shirley provided a supplemental presentation.

Motion: Chair Allen entertained a motion to receive this informational report about the Draft San Antonio Park Master Plan and make a recommendation to Council for support. **Moved by:** Commissioner Ha. **Second by:** Commissioner Kos-Read. **Vote:** Yes (7) Allen, Ha, Kos-Read, K. Smith, Torres, Tran, Watkins. **Abstain:** (0). **Motion:** Passed.

7. PLANNING AND CONDITIONAL USE PERMITS:

None.

8. UPDATE FROM THE DIRECTOR, COMMITTEES, RECREATION ADVISORY COUNCILS & ANNOUNCEMENTS:

Director's Report:

- No updates at this time.

PRAC Committees:

- Lake Merritt Ad Hoc: No update.
- Tree Advisory: No update.
- Park Rules & Regulations: No update.
- Priority & Goals Ad Hoc: No update.

Recreation Advisory Councils (RACs):

- Lincoln Park liaison, Vice Chair Tran, attended a Planning Commission Meeting on their behalf to speak earlier this month as they take their plans to different bodies in the City. They are moving forward with the plan as previously presented to PRAC.
- Chair Allen advised Mosswood RAC met Nov. 2nd and next steps are to follow up status of repaving basketball courts through a partnership between Kaiser and the Warriors. There will be a Winter Festivity Event in partnership with the Evergreen Church on Saturday, December 17th where there will be a ribbon cutting for the park's beautification. Unable to break ground on park renovation past spring due to increase of funding gap to \$11.74 million. RAC is exploring fundraising options and following up with the Mayor's Office for support.

Announcements:

- Bundle Up Coat & Shoe Drive on Saturday, December 3rd at the Boys and Girls Club of Oakland on International Blvd. from 12 – 3 pm.
- Measures for the Oakland Zoo, Q and U passed. More updates to come.
- PRAC was present for the unveiling of the renaming of Madison Park in honor of former Alameda County Supervisor Wilma Chan on December 11th. Chair Allen thanks all who helped with the effort. Special recognition went to Zermaine Thomas and Hank Phan of OPRYD who received awards.
- Welcome to the newest Commissioner Marc Barach who was sworn in on November 8th. He will officially join the Commission in December and was present for this meeting.
- Farewell to Commissioner Peter Moore who stepped down in September. Thus, there is still an open seat on the PRAC with Districts 6 and 7 prioritized. Advise Chair Allen or OPRYD Interim Director Dana Riley on interest.
- Commissioner Kos-Read clarified Measures for the Oakland Zoo, Q and U were leading, but final results will be out at the end of the week.

9. OPEN FORUM: There were 2 speakers.

10. ADJOURNMENT: 6:35 p.m.

*Visit [PRAC Website](#) for more information, documents, and reports.

Next Meeting:

***Wednesday, December 14th, 2022 at 4:30 pm
Via Zoom Teleconference***

Respectfully Submitted,

Jasmine Bellow
Assistant to the Director
Recording Secretary

OAKLAND PARKS AND RECREATION ADVISORY COMMISSION

RESOLUTION NO. 2022-01

RESOLUTION RENEWING AND CONTINUING THE PARKS AND RECREATION ADVISORY COMMISSION'S DETERMINATION THAT CONDUCTING IN-PERSON MEETINGS OF THE PARKS AND RECREATION ADVISORY COMMISSION AND ITS COMMITTEES WOULD PRESENT IMMINENT RISKS TO ATTENDEES' HEALTH, AND ELECTING TO CONTINUE CONDUCTING MEETINGS USING TELECONFERENCING IN ACCORDANCE WITH CALIFORNIA GOVERNMENT CODE SECTION 54953(e), A PROVISION OF AB-361.

WHEREAS, on March 4, 2020, Governor Gavin Newsom declared a state of emergency related to COVID-19, pursuant to Government Code Section 8625, and such declaration has not been lifted or rescinded. (See <https://www.gov.ca.gov/wp-content/uploads/2020/03/3.4.20-Coronavirus-SOE-Proclamation.pdf>); and

WHEREAS, on June 17, 2022 Gavin Newsom issued Executive Order N-11-22 reaffirming that a State of Emergency exists in California as a result of COVID-19. (See <https://www.gov.ca.gov/wp-content/uploads/2022/06/6.17.22-COVID-EO-Rollback-signed.pdf>); and

WHEREAS, on March 9, 2020, the City Administrator in their capacity as the Director of the Emergency Operations Center (EOC), issued a proclamation of local emergency due to the spread of COVID-19 in Oakland, and on March 12, 2020, the City Council passed Resolution No. 88075 C.M.S. ratifying the proclamation of local emergency pursuant to Oakland Municipal Code (O.M.C.) section 8.50.050(C); and

WHEREAS, City Council Resolution No. 88075 remains in full force and effect to date; and

WHEREAS, the Centers for Disease Control (CDC) continues to recommend physical distancing of at least six (6) feet whenever possible, avoiding crowds and poorly ventilated spaces, particularly for people who are not fully vaccinated or who are at higher risk of getting very sick from COVID-19. (See <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/prevention.html>); and

WHEREAS, the CDC recommends that families with children under 5 and unvaccinated household members continue to take steps to prevent COVID-19 infection including distancing. (See <https://www.cdc.gov/coronavirus/2019-ncov/groups/families-covid-19.html>); and

WHEREAS, the CDC continues to caution that older adults remain more likely to get very sick from COVID-19. (See <https://www.cdc.gov/aging/covid19/covid19-older-adults.html>); and

WHEREAS, the CDC, the California Department of Public Health, and the Alameda County Public Health Department all recommend that people experiencing COVID-19 symptoms or who have tested positive for COVID-19 stay home. (See <https://www.cdc.gov/coronavirus/2019-ncov/if-you-are-sick/steps-when-sick.html>); and

WHEREAS, the CDC still finds that COVID-19 vaccines are highly effective at preventing severe illness, hospitalizations and death and continues to recommend that all eligible persons get vaccinated for COVID-19 and stay up to date on their COVID-19 vaccines. (See <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/prevention.html>); and

WHEREAS, vaccinated persons may still get COVID-19 and can spread the virus to others. (See <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/effectiveness/why-measure-effectiveness/breakthrough-cases.html>); and

WHEREAS, anyone infected with COVID-19 can spread the virus, even if they do not have symptoms. (See <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/how-covid-spreads.html>); and

WHEREAS, the City's public-meeting facilities are indoor facilities not designed to ensure circulation of fresh/outdoor air, particularly during periods of cold and/or rainy weather, and were not designed to ensure that attendees can remain six (6) feet apart; and

WHEREAS, holding in-person meetings would encourage community members to come to City facilities to participate in local government, and some of them would be at high risk of getting very sick from COVID-19 and/or may live with someone who is at high risk; and

WHEREAS, in-person meetings would tempt community members who are experiencing COVID-19 symptoms to leave their homes in order to come to City facilities and participate in local government; and

WHEREAS, attendees would use ride-share services and/or public transit to travel to in-person meetings, thereby putting them in close and prolonged contact with additional people outside of their households; and

WHEREAS, for the first time on October 13, 2021, and most recently on September 14, 2022, the Parks and Recreation Advisory Commission adopted a Resolution determining that conducting in-person meetings would present imminent risks to attendees' health, and electing to conduct meetings using teleconferencing in accordance with California Government Code section 54953(e), a provision of AB 361; and

WHEREAS, by making these findings that conducting in-person meetings would present imminent risks to attendees' health, and by making an election to conduct meetings via teleconference, the Parks and Recreation Advisory Commission may elect to continue to meet via teleconference by adopting subsequent resolutions, at least every 30 days, as part of a broader Parks and Recreation Advisory Commission agenda, and need not do so on a single-subject agenda; now therefore be it:

RESOLVED: that the Parks and Recreation Advisory Commission finds and determines that the foregoing recitals are true and correct and hereby adopts and incorporates them into this Resolution; and be it

FURTHER RESOLVED: that, based on these determinations and consistent with federal, state and local health guidance, the Parks and Recreation Advisory Commission renews its determination that conducting in-person meetings would pose imminent risks to the health of attendees; and be it

FURTHER RESOLVED: that the Parks and Recreation Advisory Commission firmly believes that the community's health and safety and the community's right to participate in local government, are both critically important, and the Parks and Recreation Advisory Commission is committed to balancing the two by continuing to use teleconferencing to conduct public meetings, in accordance with California Government Code section 54953(e), a provision of AB 361; and be it

FURTHER RESOLVED: that the Parks and Recreation Advisory Commission will renew these (or similar) findings at least every thirty (30) days in accordance with California Government Code section 54953(e) until the state of emergency related to COVID-19 has been lifted, or the Parks and Recreation Advisory Commission finds that in-person meetings no longer pose imminent risks to the health of attendees, whichever is occurs first.

CITY OF OAKLAND
Oakland Parks, Recreation & Youth Development

TO: Princess Allen, Chair, Parks and Recreation Advisory Commission
FROM: Hank Phan, Parks, Recreation & Youth Development – CIP
DATE: December 28, 2022
**SUBJECT: REQUEST FOR THE PARKS AND RECREATION ADVISORY
COMMISSION TO APPROVE THE INSTALLATION OF A MOUNTAIN
BIKING REPAIR STATION IN JOAQUIN MILLER PARK.**

SUMMARY

For my eagle project I built a mountain biking repair station with the intention of installing it in Joaquin Miller Park, near the large parking lot on upper Sanborn, below the ranger station. It will have tools hanging on the side, secured to prevent theft, and two pipes to mount your bike, allowing riders to repair their bike. This would benefit the multitude of riders that use the park and surrounding roads every day. Because I already passed my 18th birthday, I would like to offer to install this station as quickly as possible, as an Eagle Project is meant to be completed by a Scout's 18th birthday. I am requesting official permission from the PRAC to install my station by January 14th, 2023, as item #6A on the agenda.

FISCAL IMPACT

There are no financial implications for the Oakland Parks and Recreation department. This includes the installation cost, which are funded as part of the project. The Friends of Joaquin Miller park will maintain the station, so no upkeep cost will be placed on the city of Oakland.

PROJECT / PROGRAM DESCRIPTION

The purpose of this station is to provide a place where bikers can access tools to repair their bikes during their riding sessions. This goal is being met by the metal pipes used to hold the bikes off the ground, and the tools secured with wires attached to the station. This would benefit the hordes of bikers that use the park every weekend, as well as the many pump-track attendees that would experience minor issues while biking, which could be easily fixed with this station. I would like to install it near the large parking lot on upper Sanborn, below the ranger station. The main issue would be the upkeep of the station, as the tools are expensive and can be stolen if you have the right equipment. We are securing them in ways to prevent theft, and Friends of Joaquin Miller Park (FOJMP) will fully maintain the station, keeping up with all of the upkeep. If I can get my project approved on January 11th 2023 as item #6A on the agenda, then I would hope to install it with help from FOJMP the weekend of January 14th, 2023.

BACKGROUND / LEGISLATIVE HISTORY

I'm an Eagle Scout candidate who has been working with Dale Risten from FOJMP to create a project that will benefit the community. To attain the rank of Eagle, scouts must take on a service project where they work with a beneficiary organization (in this case FOJMP) to develop and

implement a project. We have created the plan, and have fully completed the repair station, and are now eager to install it in a location where it would be deemed fit.

RECOMMENDATION

Staff recommends that Mr. Ryan Stokes be allowed to install his mountain bike repair station for the benefit of park users and community at large. Staff recommends installation near the large parking lot on upper Sanborn, below the ranger station.

Respectfully submitted,

/s/ Hank Phan

Prepared by:

Hank Phan

Capital Improvement Project Coordinator, Assistant

CITY OF OAKLAND
Oakland Parks, Recreation & Youth Development

TO: Princess Allen, Chair, Parks and Recreation Advisory Commission
FROM: Myka Hammock, Oakland, Parks, Recreation & Youth Development
DATE: November 28th, 2022
**SUBJECT: REQUEST FOR THE PARKS AND RECREATION ADVISORY
COMMISSION TO APPROVE THE USE NONINVASIVE TOOLS TO
MONITOR THE URBAN WILDLIFE OF OAKLAND**

SUMMARY

Dr. Christopher Schell and members of the Schell Lab at the University of California Berkeley are requesting permission to deploy wildlife cameras (i.e., Bushnell wildlife cameras, model no. 119774c) to quantify and assess mammalian biodiversity in the City of Oakland. Briefly, Dr. Schell is an Assistant Professor and urban ecologist that has worked with urban mammals – e.g., coyotes, raccoons, foxes, etc. – over the past decade. In collaboration with the Oakland Zoo and East Bay Regional Parks, his lab group has launched an extensive biodiversity survey effort across the region, using wildlife cameras positioned in parks, forest remnants, golf courses, and backyards to document (1) where certain wildlife species are, and (2) how urban factors like greenspace complexity, road densities, human activity, and environmental health affect urban mammal space use. To date, the project has deployed over 40 cameras from April to November 2022, extending from Pinole to San Leandro, with more than 10,000 wildlife photos recorded. Our hope is that these data will greatly inform how we manage urban greenspaces to promote environmental, animal, and human health and well-being, priority items for both EBRP and Oakland Zoo officials. Moreover, as habitats transform due to urbanization and climate change, East Bay communities are likely to interact with – and potentially come into conflict with – wildlife. For all these reasons, we hope these data will contribute to broadening our knowledge and tools for coexisting with wildlife in cities.

However, as currently constructed our survey is incomplete. To date, most of our species occurrence data has primarily been collected from recreational parks owned by EBRP, which are geographically positioned either along the shoreline or along the hillside. Consequently, this means that we have a lack of deployed cameras in greenspaces interior to EBRP sites. As such we run the risk of overlooking an extraordinary amount of mammalian biodiversity. Hence, to build a more comprehensive survey, we are requesting to station several cameras in greenspaces under the jurisdiction of the City of Oakland. Scouted camera locations (10 total; seen below in Table 1) were strategically chosen given their size and relative distance to a neighboring camera. If the initial deployment is approved and successful, our protocol is flexible enough to iteratively increase or reduce the number of greenspaces surveyed. Currently, the only request from the PRAC is permission to deploy these devices. Members of the PRAC and the City will not be held responsible for any damages, loss, or theft of any wildlife equipment, and data collected from this effort will be openly shared with members. Our hope is to begin this preliminary effort in January 2023, with subsequent surveys occurring during the months of April, July, and October to capture seasonal variation in biodiversity.

FISCAL IMPACT

No funding will be requested nor required from PRAC. Rather, all the equipment and its associated maintenance will be purchased via research funds in the Schell Lab and UC Berkeley. Because we are conducting an urban ecological experiment, we are aware that damage or theft is an inevitability, but these burdens are solely shouldered by the host lab and institution.

PROJECT / PROGRAM DESCRIPTION

The continued and unprecedented expansion of cities is transforming ecological systems worldwide. Human-driven landscape transformations (e.g., deforestation, industrialization, agricultural development, etc.) have fundamentally altered suites of biophysical and biogeochemical processes, including soil characteristics, air quality, temperature gradients, and vegetative cover. As a result, urban environments present wholly novel challenges for wildlife to either locally adapt to urban conditions, migrate away from urban centers, or face local extinction. Despite long-held beliefs that urban environments were inhospitable matrices ill-equipped to sustain wildlife, recent studies have highlighted the myriad strategies wildlife employ in cities, leading to a critical paradigm shift in ecological and evolutionary research. Urban ecosystems have now become hotbeds of research, due in large part to the remarkable adaptability of organisms to persist in non-ideal conditions, as well as the overall importance of species diversity to ecosystem health and function.

Despite the interconnectedness of humans, wildlife, and their environment in cities, social heterogeneity – i.e., variation among individuals, neighborhoods, and regions due to social, cultural, political, and/or historical processes – is infrequently considered as a driver of urban biological systems (Schell et al., 2020). Some recent literature does suggest that wealth inequality has a strong influence on vegetation cover and habitat characteristics, as well as local species biodiversity, in which wealthier regions of cities tend to have greater species richness and biodiversity of both flora and fauna. However, such luxury effects (i.e., positive relationships between socioeconomic wealth and species alpha diversity metrics) are not universal and may be shaped by other local or regional variables. To better understand how human-induced disturbances shape the biology of our cities, it is critical to disentangle which societal drivers contribute most substantially to influencing wildlife dynamics. Moreover, given the overall significance of biodiverse systems to ecosystem health and function, it is critical to interrogate the factors that shape differences in biodiversity within cities.

In our ongoing research effort, we investigate how social heterogeneity shapes patterns of mammalian biodiversity in cities. Specifically, we use remote-triggered wildlife camera traps placed along urban transects throughout the East Bay to explore how socioeconomic, demographic, and attitudinal predictors of cities are associated with local and regional biodiversity. Briefly, a Bushnell motion-triggered infrared Trophy Cam (Bushnell, Overland Park, Kansas, USA) is placed at a designated site for approximately 6 weeks in October (i.e., fall season), January (i.e., winter season), April (i.e., spring season), and July (i.e., summer season). This approach will allow us to capture any variance in wildlife distributions that occur as a function of seasonal variation. Each sampling site is at least 1 km away from any adjacent camera-trap site and within 4 km of the designated transect. Sampling locations were chosen based on green space boundaries, GIS inference, relative size of the green space, and ease of camera installation (i.e., at least two trees within proximity are ideal for camera installation). Each camera will then be secured to a single tree using a secured metal lock box, nylon fastening strap, vinyl-covered cable locks, and keyed master locks to prevent damage or theft of the camera while in the field. Each camera will be placed approximately 1 m above the

ground opposite. Cameras remain up for approximately 6 weeks in each season before removed from the area.

Site Name	Projected Lat	Projected Long
Rockridge-Temescal Greenbelt	37.84188	-122.25754
Morcom Rose Garden	37.82062	-122.24678
The Gardens at Lake Merritt	37.80628	-122.2584
Dimond Canyon Trail	37.81077	-122.2139
Central Reservoir Recreation Area	37.79573	-122.22408
Peralta Hacienda Historical Park	37.78666	-122.21675
Cesar Chavez Park	37.77842	-122.21836
Shepherd Canyon Park	37.82539	-122.20195
Bridgeview Trail - Monterey Redwoods	37.81762	-122.20581
Palos Colorado Trail	37.8147	-122.19749

Table 1. Projected wildlife camera sites with coordinates (lat, long) indicating where the camera would be approximately stationed. Photos of the setup will be taken once initial deployment is complete.

BACKGROUND / LEGISLATIVE HISTORY

Because this is a relatively new research project conducted by members of the University of California Berkeley, there is no background or legislative history to report.

RECOMMENDATION

Staff recommends the Park and Recreation Advisory Commission approve the request for the Schell Lab and UC Berkeley to deploy ten wildlife cameras in the designated parks and greenspaces noted in Table 1 above. Staff also concurs that Dr. Schell and associates will assume full responsibility for equipment maintenance, damage, and loss.

Respectfully submitted,

/s/ Myka Hammock

Prepared by:
Myka Hammock
Recreation Supervisor

Identification of Support Documents:

Attachments: Exhibit A – *Permit 22-1144_East Bay Regional Parks.pdf*
Exhibit B – *UWIN Bay Area Proposal_3.21.22*

April 14, 2022

Permit 22-1144

Permit expires: April 14, 2027

Christopher J. Schell
University of California, Berkeley
130 Hilgard Way, Mulford Hall
Berkeley, CA 94720

Dear Mr. Schell,

This letter will serve as a permit for you to enter Claremont Canyon Regional Preserve, Crown Memorial State Beach, Huckleberry Botanic Regional Preserve, Kennedy Grove Regional Recreation Area, Martin Luther King Jr. Regional Shoreline, McLaughlin Eastshore State Park, Miller/Knox Regional Shoreline, Oyster Bay Regional Shoreline, Point Isabel Regional Shoreline, Point Pinole Regional Shoreline, Reinhardt Redwood Regional Park, Sibley Volcanic Regional Preserve, Sobrante Ridge Regional Preserve, Temescal Regional Recreation Area, Tilden Regional Park, Tilden Nature Area, and Wildcat Canyon Regional Park for the purpose of exploring the social-ecological drivers of mammalian biodiversity in cities.

Your Stewardship staff contact is Tammy Lim, 510-544-2310, TLim@ebparks.org

Your permit covers the following additional individuals: Christine Wilkinson, Lauren Stanton, Elizabeth Carlen, Tyus Williams, Cesar Estien

Special conditions regarding your research includes:

- 1) Driving is not allowed within any of the Park Boundaries
- 2) All camera locations must be pre-approved by the Park Supervisor
- 3) Permit holder will be responsible for reporting stolen or damaged cameras to the East Bay Parks Police Department
- 4) All cameras must include a note about the purpose of the cameras and who to contact if they have questions

Upon completion of this study, you will provide this office with a written summary of your findings, which may include any papers or published articles.

The term of this authorization is for, and shall be subject to the following standard conditions:

1. You must contact the Park Supervisors and appropriate staff for each park directly one week prior to first entry into the park, sampling event, etc. During this contact, park staff and permittee will agree upon the preferred method of contact (i.e., via email or phone) and requirements for advanced notice before each subsequent visit. **Failure to communicate with the Park Supervisor and their staff may result in revocation of this permit.**
2. You and your associates must each **keep a signed copy of this permit on your person and post one on your vehicle** as evidence of your authorization to do research in this park.

**Exhibit A – Permit 22-1144_East Bay Regional Parks.pdf:
PRAC Item #6A 12/14/22**

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3. That you and your research associates abide by the rules and regulations as set forth in Ordinance 38. Park rules are available at the respective park kiosk, signs and public information centers and can also be found at <https://www.ebparks.org/activities/ord38.htm>
4. The applicant should be on the lookout for both prehistoric and historic-period archaeological sites/resources. Examples of historic-period archaeological resources include, but are not limited to: privies, wells, trash pits, concentrations of ceramics, bottles, animal bones. Prehistoric archaeological resources can include, but are not limited to: concentration of shellfish remains or bones and recognizable Native American artifacts such as arrowheads, shell beads.
If any archaeological resources are identified during the course of the applicant's work, all work should stop within the immediate vicinity of the find and I should be contacted immediately in order to evaluate the find (c: 510-673-4387).
5. In accordance with the East Bay Regional Park District's Ordinance 38 (04-19-2016) Section 806. Archaeological Features. No person shall damage, injure, collect or remove any object of paleontological, archaeological or historical interest or value located on District parklands. In addition, any person who willfully alters, damages, or defaces any object of archaeological or historical interest or value or enters a fenced and posted archaeological or historical site shall be arrested or issued a citation pursuant to Penal Code Section 622-1/2. This also pertains to any maritime resources that the applicant may encounter.
6. You agree that East Bay Regional Park District shall not be liable for any bodily injury, sickness, disease or death of any person or for damages to any property as a result of this Permit. In consideration of being permitted to enter the Property and perform the work under this Permit, you agree to defend, indemnify and hold harmless the East Bay Regional Park District, its directors, officials, agents and employees (collectively "District") from and against any and all actions, claims, demands and liabilities for any loss or damage, including claims for bodily injury, sickness, disease or death or property damage, arising from, relating to, or resulting from the entry onto the Property and/or the performance of activities under this Permit.
7. You must wear a high visibility vest at all times when conducting research so that the public understands that the sampling is sanctioned by the East Bay Regional Park District.
8. You must follow the attached decontamination protocol for driving within the park and walking off-trail.
9. Should any member of the public question your project, you will take the time to explain the purpose of this activity and that such activity is undertaken through this permit process.
10. As a condition of being granted a research permit, a report or written summary of your findings is required annually and at the completion of your study. This may include any papers or written articles, published or unpublished, regarding your subject matter. If you wish to continue your study and extend your permit past the allotted period of five years, you are still required to submit a summary of findings or actions and reapply for a new permit. If reports from past research are not submitted, your permit will not be renewed or extended.
11. Because you are working on a mutually beneficial exercise, we are obliged to waive the normal \$50 permit fee.

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General Manager

If these terms and conditions are acceptable, please sign below and return to this office. We will then send one copy, signed and approved by the Chief of Stewardship, back to you. Thank you.

ACCEPTED AND AGREED TO BY:



Christopher J. Schell
University of California, Berkeley

04/14/2022

Date



Matt Graul
Chief of Stewardship, East Bay Regional Park District

Apr 19, 2022

Date

cc:

Park Supervisors:

Jim Rutledge, Claremont Canyon/Huckleberry/Sibley – (510) 544-3111, jrutledge@ebparks.org
Steve Donnelly, Wildcat Canyon Regional Park – (510) 544-3093, sdonnelly@ebparks.org
Bridget Calvey, Reinhardt Redwood – (510) 544-3126, bcalvey@ebparks.org
Sarah Motley, Tilden Regional Park – (510) 544-2711, smotley@ebparks.org
Chris Newey, Kennedy Grove/Sobrante Ridge – (510) 544-3117, cnewey@ebparks.org
Kenneth Miller, Temescal – (510) 544-3090, kmiller@ebparks.org
Robert Deikman, Point Pinole – (510) 544-3062, rdeikman@ebparks.org
David Mecchi, Crown Memorial State Beach – (510) 544-3171, dmeccchi@ebparks.org
Lisa Brodtmann, Martin Luther King Jr./Oyster Bay – (510) 544-3115, lbrottmann@ebparks.org
Scott Possin, Miller/Knox/Point Isabel/Eastshore – (510) 544-3108, spossin@ebparks.org
Sara Fetterly, Tilden Nature Area – (510) 544-3256, sfetterly@ebparks.org

Parks:

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Wildcat Canyon Regional Park – (510) 544-3092, wildcat@ebparks.org
Reinhardt Redwood – (510) 544-3127, redwood@ebparks.org
Tilden Regional Park – (510) 544-2712, tilden@ebparks.org
Kennedy Grove/Sobrante Ridge, (510) 544-3118, Kennedy@ebparks.org
Temescal, (510) 544-3089, temescal@ebparks.org
Point Pinole, (510) 544-3063, pinole@ebparks.org
Crown Memorial State Beach, (510) 544-3175, crown@ebparks.org
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Jeff Manley, Shoreline Unit Manager – (510) 544-3172, jmanley@ebparks.org

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Cultural Services Coordinator: Annamarie Guerrero, (510) 544-2555, aguerrero@ebparks.org

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Living for the City: Exploring the social-ecological drivers of urban biodiversity in the Bay Area

Department of Environmental Science, Policy, and Management (ESPM)
University of California, Berkeley

Core contributors:

Christopher J. Schell (lead PI)

Christine Wilkinson (postdoctoral researcher, ESPM)

Lauren Stanton (postdoctoral researcher, ESPM)

Elizabeth Carlen (postdoctoral researcher, ESPM and Washington University in St. Louis)

Cesar Estien (grad student, ESPM)

Tyus Williams (grad student, ESPM)

Introduction

The continued and unprecedented expansion of cities is transforming ecological systems worldwide. Human-driven landscape transformations (e.g., deforestation, industrialization, agricultural development, etc.) have fundamentally altered suites of biophysical and biogeochemical processes, including soil characteristics, air quality, temperature gradients, and vegetative cover (Heaviside et al., 2017; Pataki et al., 2011). As a result, urban environments present wholly novel challenges for wildlife to either locally adapt to urban conditions, migrate away from urban centers, or face local extinction (McDonnell & Hahs, 2015). Despite long-held beliefs that urban environments were inhospitable matrices ill-equipped to sustain wildlife, recent studies have highlighted the myriad strategies wildlife employ in cities (Ouyang et al., 2018), leading to a critical paradigm shift in ecological and evolutionary research (Collins et al., 2021). Urban ecosystems have now become hotbeds of research, due in large part to the remarkable adaptability of organisms to persist in non-ideal conditions, as well as the overall importance of species diversity to ecosystem health and function (Dearborn & Kark, 2010).

Recent arms of urban ecological research have either focused on the modification of ecosystem-level processes and/or changes to the biology of cities – often referred to as the ecology *of* and ecology *in* cities paradigms, respectively (Pickett et al., 2016). Such frameworks have greatly advanced how we think about urban centers as hubs for both wildlife and people, while also elucidating sustainable pathways to building resilience in the face of climate change. For instance, access to green spaces and experiences of wildlife have multiple physical and mental health benefits (Bratman et al., 2019; Callaghan et al., 2021), underscoring the need to preserve natural spaces for human and nonhuman well-being. In addition, more diverse and contiguous vegetation mitigates the urban heat island effect by influencing rates of evapotranspiration and boosting environmental cooling (Jenerette et al., 2011; Wang et al., 2019) ecosystem services that will undoubtedly be critical to urban resilience during the climate crisis. These studies highlight the interconnectedness of people, wildlife, and urban infrastructure in cities, noting that we are interdependent on the ecosystem services provided within and around urban ecosystems (Des Roches et al., 2021).

Despite the interconnectedness of humans, wildlife, and their environment in cities, social heterogeneity – i.e., variation among individuals, neighborhoods, and regions due to social, cultural, political, and/or historical processes – is infrequently considered as a driver of urban biological systems (Schell et al., 2020). Some recent literature does suggest that wealth inequality has a strong influence on vegetation cover and habitat characteristics, as well as local species biodiversity, in which wealthier regions of cities tend to have greater species richness and biodiversity of both flora and fauna (Hope et al., 2003; Leong et al., 2018; Magle et al., 2021). However, such luxury effects (i.e., positive relationships between socioeconomic wealth and species alpha diversity metrics) are not universal (Chamberlain et

al., 2019, 2020; Kuras et al., 2020), and may be shaped by other local or regional variables (Chamberlain et al., 2020). For instance, emerging research suggests that racially-driven residential segregation decreases plant diversity and niche complexity in disinvested areas (Locke et al., 2021; Nardone et al., 2021), with preliminary evidence suggesting that the genetic diversity of wildlife may similarly be impacted (Schmidt & Garroway, 2022). Hence, to better understand how human-induced disturbances shape the biology of our cities, it is critical to disentangle which societal drivers contribute most substantially to influencing wildlife dynamics. Moreover, given the overall significance of biodiverse systems to ecosystem health and function, it is critical to interrogate the factors that shape differences in biodiversity within cities.

In the proposed study, we plan to investigate how social heterogeneity shapes patterns of mammalian biodiversity in cities. Specifically, we will use remote-triggered camera traps positioned throughout the Bay Area megapolitan region (mainly in the cities of Oakland, San Francisco, El Cerrito, Richmond, and Alameda) to explore how socioeconomic, demographic, and attitudinal predictors of cities are associated with local and regional biodiversity. In doing so, we hope that our research will both advance our understanding of how social systems influence wildlife community dynamics, as well as help promote applied solutions that promote wildlife-friendly and equitable cities (Kay et al., 2021). The design and implementation of the proposed study is positioned under the research collective known as the **Urban Wildlife Information Network (UWIN)** (<https://www.urbanwildlifeinfo.org/>), a wildlife biomonitoring initiative aimed at describing urban wildlife patterns across a large network of major U.S. cities. Moreover, this network of camera traps complements other efforts from UWIN partners at the Oakland Zoo and the City and County of San Francisco. The present proposed study – under the guidance and auspices of the Schell Lab at the University of California Berkeley – will address the following hypotheses:

Hypotheses:

- H₁: Urban mammalian biodiversity will vary according to neighborhood socioeconomic status
- H₂: Legacies of residential segregation (i.e., redlining) will strongly influence current mammalian species richness and biodiversity
- H₃: Species richness and diversity will be greatest in areas with reduced environmental health disturbances
- H₄: Social perceptions and attitudes towards wildlife will shape species richness and diversity

Methods

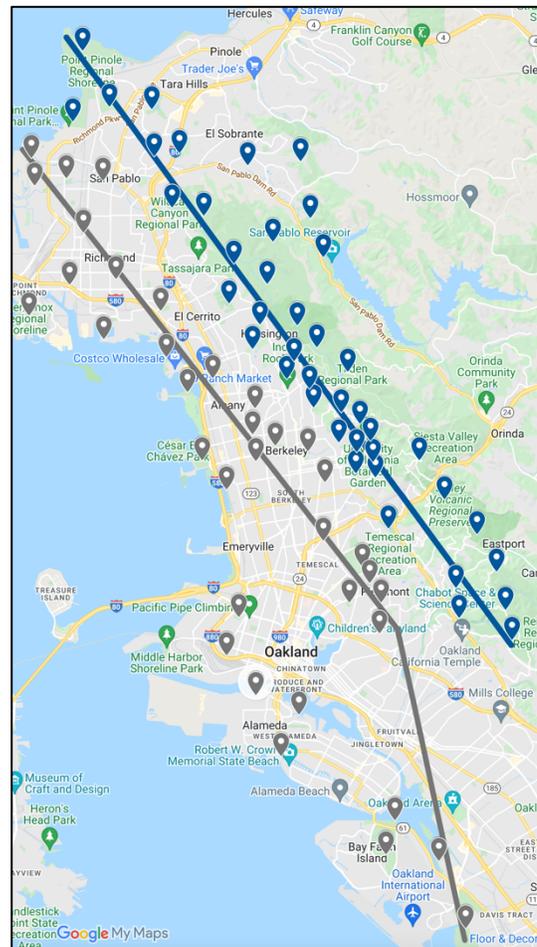


Figure 1. Map of camera trap locations across the East Bay, CA. Each location dot represents a single camera on the landscape (N = 80). The Tilden transect (blue) and the Flats transect (gray) extend for 28 km and 34.4 km, respectively, from as far north as Point Pinole to as far south as the Oakland International Airport.

This study will use remote-triggered wildlife camera traps (brand: Bushnell Trophy Cams) placed along urban transects throughout the East Bay region (Figure 1). Briefly, a Bushnell motion-triggered infrared Trophy Cam (Bushnell, Overland Park, Kansas, USA) will be placed at each site for approximately 35-40 days in October (i.e., fall season), January (i.e., winter season), April (i.e., spring season), and July (i.e., summer season), with the first season of operation April 2022. This approach will allow us to capture any variance in wildlife distributions that occur as a function of seasonal variation. Each sampling site is at least 1 km away from any adjacent camera-trap site and within 4 km of the designated transect. Sampling site locations were chosen based on green space boundaries, GIS inference, relative size of the green space, and ease of camera installation (i.e., at least two trees within proximity are ideal for camera installation). Each camera will then be secured to a single tree using a secured metal lock box, nylon fastening strap, vinyl-covered cable locks, and keyed master locks to prevent damage or theft of the camera while in the field.

Each camera will be placed approximately 0.5 m to 1 m above the ground opposite. Approximately 2-3 weeks into the field season, camera SD memory cards and batteries will be checked and refreshed. Then at the end of the sampling period, cameras will be removed from the site. This methodology is consistent with previous literature and the overall UWIN protocol (Fidino et al., 2021; Magle et al., 2019, 2021)

Timeline

The proposed study is the beginning of a long-term ecological research program aimed at understanding how mammalian species richness and biodiversity change in response to societal drivers within cities. Additionally, using a LTER framework allows us to address how the concomitant disturbances driven by climate change contribute to mammalian occupancy, colonization, and extinction. As a result, the timeline for data collection is tentatively set for a full 5 years, with the hope of collecting additional data post the first 5-year period.

Broader Impacts

The findings from this study can help guide urban conservation strategies by emphasizing the ecological importance of human societies to urban ecology. In so doing, urban planning professionals and designers can develop social-ecological strategies that plan for societal equity in wildlife management and conservation programs. Further, this study can provide actionable data highlighting which anthropogenic drivers are most prominent in dictating wildlife distributions. As a result, these data can inform protocol that efficiently regulates human drivers to increase wildlife success in cities. Finally, the implementation and promotion of this study is expected to galvanize communities within the Bay Area in learning and exploring wildlife within our urban landscape. As a result, we hope to foster greater intrinsic value in urban wildlife and highlight their importance in fundamental ecological processes that occur in urban ecosystems.

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CITY OF OAKLAND
Oakland Parks, Recreation & Youth Development

TO: Princess Allen, Chair, Parks and Recreation Advisory Commission
FROM: Jennifer Stern, Oakland Public Works Watershed and Stormwater Management
DATE: December 22, 2022
SUBJECT: INFORMATIONAL REPORT ON COURTLAND CREEK RESTORATION PROJECT AT COURTLAND CREEK PARK

SUMMARY

The purpose of this report is to provide information on the status of the Courtland Creek Restoration Project (Project) located in the City of Oakland's Courtland Creek Park. Staff from the Oakland Public Works (OPW) Watershed and Stormwater Management Division (WSMD) request acceptance of this informational report by the Parks and Recreation Advisory Commission.

The Project will restore approximately 950 feet of open creek channel in Courtland Creek Park. The Project will stabilize and repair steep and eroding creek banks to protect property and improve water quality and will restore creek-side vegetation to create habitat. Additional anticipated Project outcomes include park beautification, reduced illegal dumping and trash accumulation in the creek channel and banks, and improved safety and access to the creek for recreation and educational opportunities.

WSMD staff will return to PRAC in mid-2023 to present the Project elements that will be included in the required conditional use permit. This will include the following park features: interpretive signs/features, log round seating, log seating, concrete bench with back, metal bench, split rail fencing, trash receptacles, and picnic tables.

The Project is part of the Measure DD Lake Merritt Water Quality Program, approved by Oakland City Council in 2005. The City of Oakland's Measure DD bond for Clean Water and Safe Parks (Measure DD) was approved by Oakland's voters in 2002 and has provided funding for programs to improve water quality at Lake Merritt, restore creeks and parks, acquire open space, and preserve watersheds.

FISCAL IMPACT

Since this report is informational only, no fiscal impacts are included.
This project is fully funded with a combination of local, state, and federal funding.

PROJECT / PROGRAM DESCRIPTION

The purpose of the Project is to restore 950 linear feet along three heavily degraded stretches of open creek channel that flow above-ground through Courtland Creek Park parallel to High Street between Brookdale Avenue and 45th Avenue.

The goals of the Project include:

- Improve riparian and creek channel habitat by restoring wetland habitat and riparian habitat with native vegetation, and by replacing large invasive vegetation, including trees, with native vegetation, including trees;
- Protect private and public property from creek bank erosion by stabilizing eroding creek banks with bioengineering techniques;
- Improve hydrologic function in the creek;
- Reduce illegal dumping and litter entering the creek;
- Improve access to nature-based amenities and green space and connect the community to the creek in a visually appealing way.

Project objectives are to:

- 1) Restore an urban creek's channel, banks, and riparian habitat;
- 2) Reduce risk of creek bank failure;
- 3) Abate existing and deter future litter and illegal dumping in the park;
- 4) Restore public parkland and recreational trails;
- 5) Provide access for people of all ages and abilities;
- 6) Improve safety and access to the park and creek for recreation; and
- 7) Expand nature-based, hands-on educational opportunities for local students.

The Brookdale reach (between Brookdale Avenue and Fairfax Avenue) will be regraded to create multiple small floodplain terraces as well as filled to create a boulder rock cascade structure. The Congress reach (located between Congress Avenue and Tyrrell Street) work includes a culvert repair, creek bank grading to create a floodplain terrace and a scenic overlook, and construction of a crib wall to support the scenic overlook. In the Thompson reach (between San Carlos Avenue and Thompson Street), the concrete apron at the downstream end will be demolished and removed, and the project area replanted with native vegetation. Non-native and invasive species will be removed from the channel banks and replaced with native vegetation in all Project reaches.

To meet ADA requirements, the trails in the Project area will be resurfaced, three curb ramps will be improved, and accessible signage and seating will be added. WSMD staff will return to PRAC in mid-2023 to present Project elements that will be included in the required conditional use permit. This will include the following park features: interpretive signs/features, log round seating, log seating, concrete bench with back, metal bench, split rail fencing, trash receptacles, and picnic tables.

Community members and groups served

This infrastructure improvement project will abate litter and illegal dumping and beautify the Courtland Creek Park to benefit a medium priority neighborhood, two adjacent high priority neighborhoods and two adjacent highest priority neighborhoods. The source of this information is the Geographic Equity Toolbox Map which includes a Priority Neighborhoods layer. The Priority Neighborhoods layer gives each census tract in Oakland a level of priority between lowest and highest determined by seven demographic factors:

1. People of Color [25% of score]
2. Low-Income Households (<50% Area Median Income) [25% of score]

3. People with Disability [10% of score]
4. Seniors 65 Years and Over [10% of score]
5. Single Parent Families [10% of score]
6. Severely Rent-Burdened Households [10% of score]
7. Low Educational Attainment (less than a bachelor's degree) [10% of score]

The City has engaged with the community and local residents to provide information on and request input on the design approach and goals. The creek restoration project was originally identified through Oakland Measure DD bond for Clean Water and Safe Parks (Measure DD) in 2005 and was prioritized through a community-driven process. Some of these local stakeholders are still involved in park clean-up and creek protection efforts in the Project area and participated in the community engagement process for the Project. The City and Project partner Oakland Parks and Recreation Foundation (OPRF) have engaged the community in the design process and incorporated input from neighbors, community members, and other stakeholders.

Timeline

The tree removal portion of the Project will be completed in January of 2023. The creek restoration and park improvement portion of the Project is scheduled to go into construction in the Summer of 2023 and will be complete and open to the public, prior to June 2024. The Project team has completed creek restoration designs and the Request for Proposals process is slated to begin in January.

California Environmental Quality Act (CEQA) analysis was completed for the Project under the program-level *Measure DD Implementation Project Environmental Impact Report (Final EIR)*, which was certified February 13, 2008, State Clearinghouse #2006122048. A Mitigation Monitoring and Reporting Program (MMRP) was developed based on the Measure DD EIR findings and lists requirements that apply to the Project, including a biological resources assessment, a cultural resources survey and an ordinary high watermark delineation to support the biological assessment, which have all been completed. All CEQA requirements are satisfied with the completion of these documents and implementing and meeting the environmental permit conditions for the Project. The following permits have been issued for the Project:

- 1) California Department of Fish and Wildlife (CDFW) Lake and Streambed Alteration Agreement (1600 permit). This permit is required for riparian plantings and in-channel work.
- 2) United States Army Corps of Engineers (USACE) 404 Permit. This permit is required for in-channel work.
- 3) Regional Water Quality Control Board (RWQCB) 401 Notice of Intent. This permit is required for any discharges to water bodies.

The following permits will be issued by December 30, 2022:

- 1) City Tree Removal Permit
- 2) City Creek Protection Permit

A City grading permit and the City minor conditional use permit are anticipated to be issued in Spring 2023.

Plan for ongoing operation or maintenance

The improvements made to Courtland Creek Park through implementation of this Project will principally be maintained by Oakland Public Works Parks Services and Facilities maintenance staff (OPW). There are 1.5 OPW staff assigned to the park. OPW staff visit the park weekly to service trash receptacles and remove litter from the park, monthly for landscape maintenance, and as needed for the maintenance of permanent structures. A reduction in the level of staffing for this park is not anticipated. The City's recent Measure Q bond measure includes funding for park. The following Project-related Park improvements will be maintained as listed below. Items 5 – 10 will be presented to PRAC in mid-2023 as part of the required conditional use permit application.

- 1) 1500 linear feet of improved recreational trail with permeable, natural, ADA-compliant pavement (anticipated lifespan of 20+ years) will be maintained by OPW.
- 2) ADA-compliant curb cuts (anticipated lifespan of 20+ years) will be maintained by Oakland Department of Transportation staff.
- 3) 950 linear feet of creek channel restored through grading, bank stabilization measures, and native plantings (anticipated lifespan of 20+ years) will be maintained by OPW.
- 4) Planted trees and other vegetation (anticipated lifespan of 20+ years). Plant establishment will be performed by a contractor for the first three years and then by OPW.
- 5) Anti-littering signage (anticipated lifespan of 10 years) will be maintained by OPW as needed to remove graffiti.
- 6) Two waste disposal containers (anticipated lifespan of 20 years) will be serviced and maintained by OPW.
- 7) Physical features to prevent future littering and dumping may include bollards, fencing or other barriers (anticipated lifespan of 10-15 years) will be maintained by OPW.
- 8) Two interpretive art panels on graffiti proof and vandal resistant durable sign technology (anticipated lifespan of 10+ years) will be maintained by OPW staff as needed to remove graffiti.
- 9) Accessible seating, log benches, concrete benches (anticipated lifespan of 15 years) will be maintained by OPW.
- 10) Creek overlook railing and railing along the trail (anticipated lifespan of 15 years) will be maintained by OPW.

The City will coordinate with its partners to build additional capacity for Project and Courtland Creek Park maintenance. In collaboration with community partners, the Project team will develop a post-project community stewardship guide, provide training, and promote environmental stewardship. Increased community involvement and stewardship in the park will support the long-term success of the Project. Effectiveness and the ultimate sustainability of the park improvements will be supported by successful, equitable, and collaborative community engagement aimed at increasing interest and participation in the creek's ecosystem health and use of the park as a recreational and educational facility.

The long-term stewardship of the Project area will be supported by a Community Site Stewardship Guide (Guide) developed with and for the community, and by the City's Adopt a Spot volunteer program that provides tools, supplies, debris pick up and technical assistance. Although Park maintenance is conducted by City staff, the Guide will support long-term community involvement in

the Project area. The City's Adopt a Spot program, which has supported volunteers working in the park for more than fifteen years, will support this effort.

BACKGROUND / LEGISLATIVE HISTORY

The Project design was developed with input from the community and City departments. A review of the designs was completed by the following City departments and divisions: Oakland Parks, Recreation, and Youth Development; Public Works Construction Management, Parks and Tree Services, and Facilities Services; City Administrator's Office ADA Program, and Department of Transportation.

One of the Project goals from the beginning was to engage the community in the Project design and long-term stewardship of the Project area in Courtland Creek Park. Public engagement work has been implemented by the City and the City's Project partner, Oakland Parks and Recreation Foundation. In addition to the public meetings summarized below, the Friends of Courtland Creek group has become more active because of this Project. The Friends group has been supportive of the Project and assisted with outreach for public meetings and other Project events such as clean-ups at the park.

The Project design was developed with input from community members at public meetings in July 2021 and May 2022. On Thursday, July 29 the City of Oakland held a virtual public meeting for the Courtland Creek Restoration Project via Zoom and provided the same presentation in person on Saturday, July 31 at Brookdale Park in Oakland. There were 13 attendees at the virtual meeting and 26 attendees at the in-person meeting. The purpose of the meetings was to provide an update on the Project's progress, receive community input on different design features, and encourage community members to stay up to date on the process and upcoming meetings. The Project team used the Zoom Webinar format to accommodate possible interpretation needs and manage and respond to questions throughout the presentation.

On Thursday, May 12 the City of Oakland held a virtual public meeting for the Courtland Creek Restoration Project via Zoom and provided the same presentation in person on Saturday, May 14 at Brookdale Park in Oakland. There were seven attendees at the virtual meeting and 14 attendees at the in-person meeting. The purpose of the meetings was to provide an update on the Project's progress and gain additional input from the community. Since the previous public meetings in July 2021, the Project consultant has completed advanced designs, which incorporate feedback received in previous public outreach.

Project neighbors who live within a 1,000 ft. radius of Courtland Creek Park were sent an invitation to both meetings via mail (Appendix A). The City of Oakland also posted information on the Project website, sent notifications via email, and made announcements via social media.

RECOMMENDATION

Oakland Public Works Watershed and Stormwater Management Division staff recommend the Parks and Recreation Advisory Commission accept the informational report provided about the Courtland Creek Restoration Project located in Courtland Creek Park.

Respectfully submitted,

/s/ Jennifer Stern

Prepared by:

Jennifer Stern

Watershed Program Specialist

/s/ Terri Fashing

Approved by:

Terri Fashing

Acting Watershed and Stormwater Management Division Manager

Acting Measure DD Bond Manager

Identification of Support Documents:

Attachments: Exhibit A – Project Drawings

- *Large file size (36 MB). Available online for download here: [Exhibit A - Project Drawings PRAC Item 6A 1.11.23](#)*

Exhibit B – Public Outreach Summary

- *File size (1 MB). Available online for download here: [Exhibit A - Project Drawings PRAC Item 6A 1.11.23](#)*

PLANS FOR THE CONSTRUCTION OF COURTLAND CREEK RESTORATION PROJECT 100% DESIGN

FUNDED BY MEASURE DD AND MEASURE Q
CITY PROJECT NO. 1005340



CALL 811
VISIT WWW.811EXPRESS.COM

THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AND OAKLAND PUBLIC WORKS AT LEAST 48 HOURS (2 WORKING DAYS) PRIOR TO BEGINNING ANY EXCAVATION IN THE VICINITY OF UNDERGROUND FACILITIES.



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PARKS, RECREATION AND YOUTH DEVELOPMENT

DIRECTOR

PARKS, RECREATION AND YOUTH DEVELOPMENT

CLIENT PROJECT MANAGER

WATERSHED AND STORMWATER MANAGEMENT DIVISION

DIVISION MANAGER

CONSTRUCTION MANAGEMENT

DIVISION MANAGER

BUREAU OF ENVIRONMENT

ASSISTANT DIRECTOR

BUREAU OF MAINTENANCE AND INTERNAL SERVICES

ASSISTANT DIRECTOR

ADA PROGRAMS

DIVISION MANAGER

DEPARTMENT OF TRANSPORTATION

COMPLETE STREETS PAVING & SIDEWALKS PROGRAM MANAGER

No.	BY	DATE	REFERENCE

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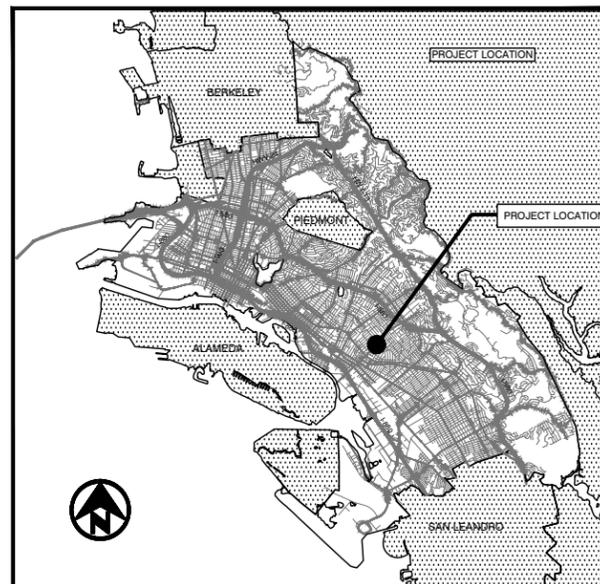
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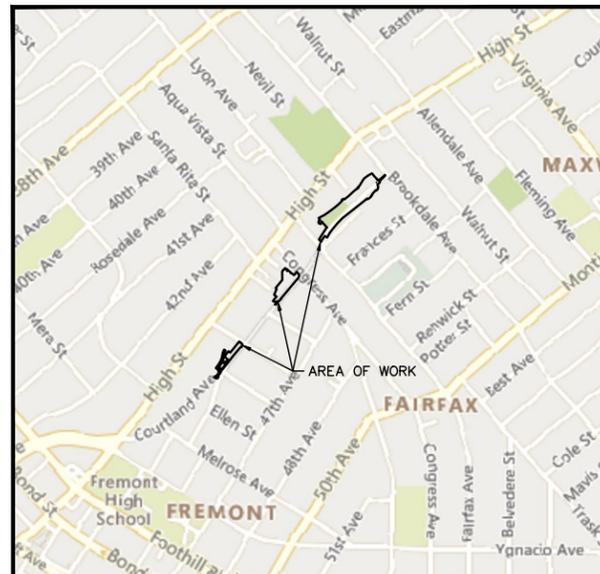
PROJECT TEAM



RESTORATION DESIGN GROUP



CITY OF OAKLAND MAP



LOCATION MAP & AREA OF WORK

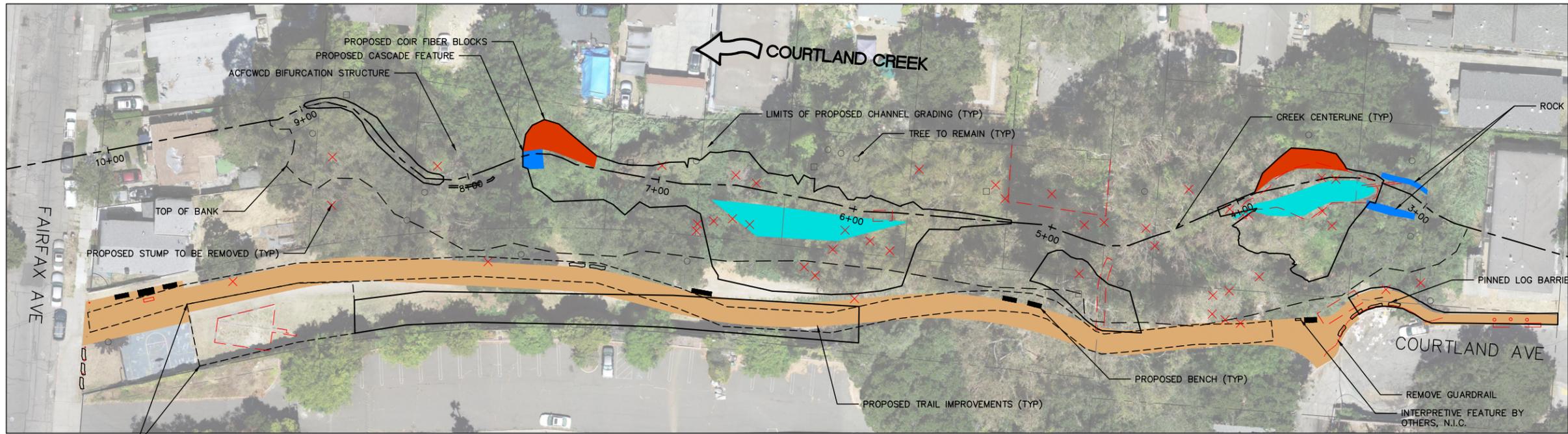


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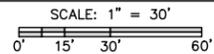
ASSISTANT DIRECTOR OF BUREAU OF DESIGN AND CONSTRUCTION

FLOWWEST
PO BOX 29392
OAKLAND CA 94604
CONTACT: PAUL FRANK
(510) 454-9378

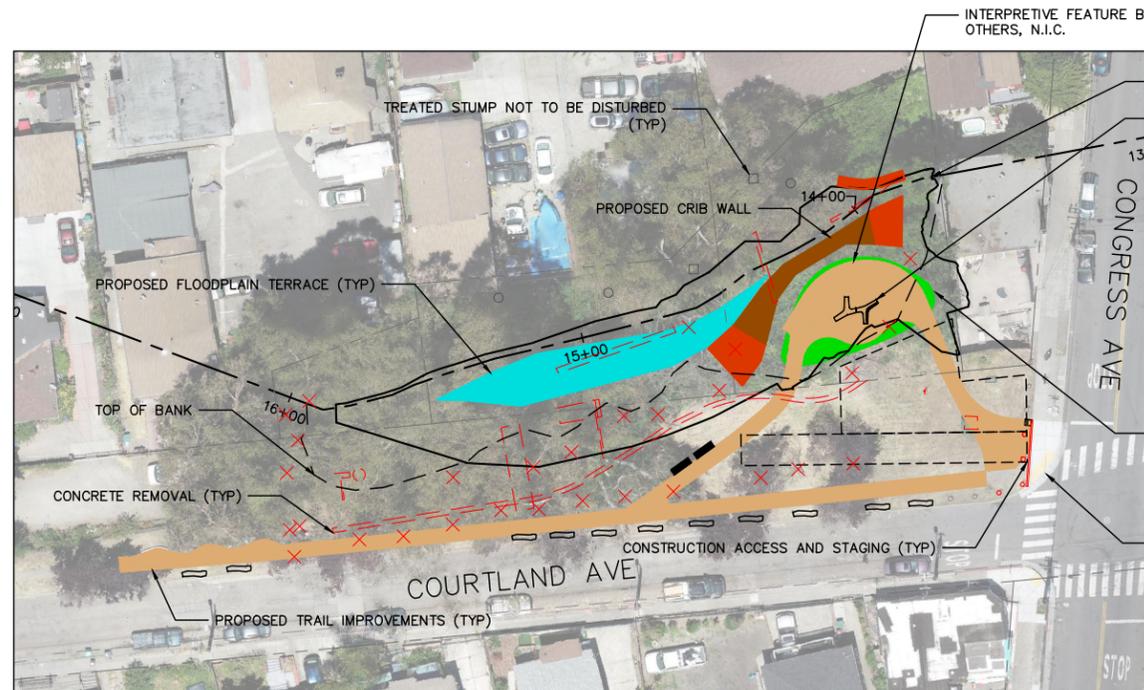




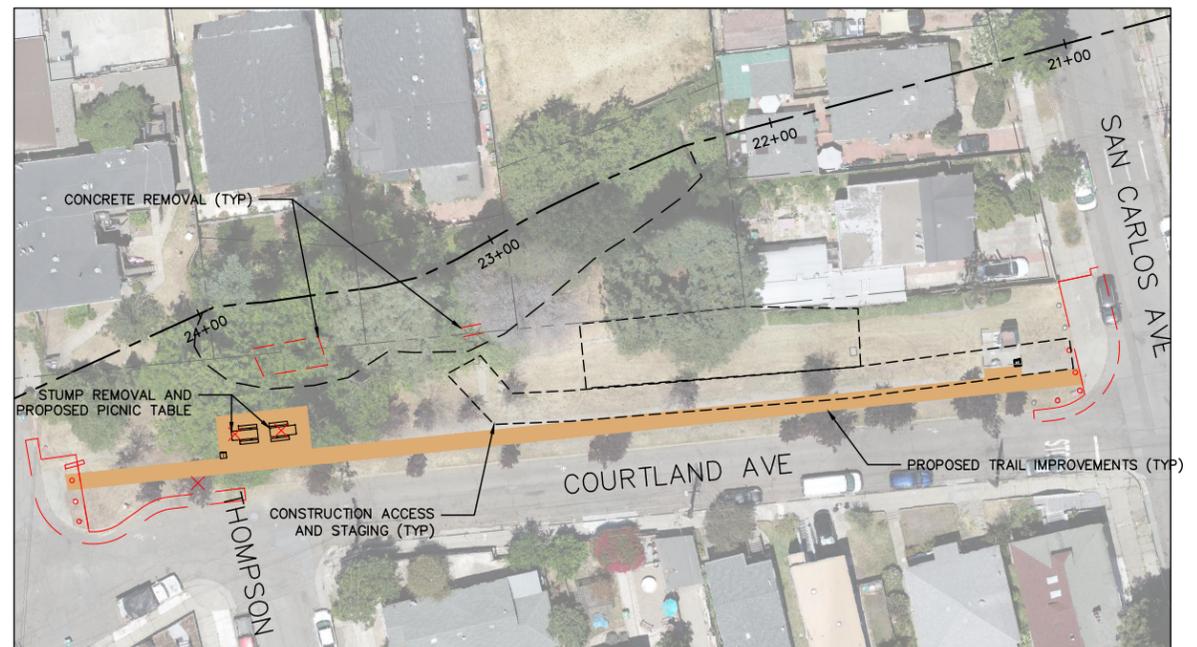
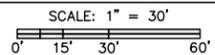
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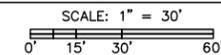
CONSTRUCTION ACCESS AND STAGING



CONGRESS REACH



THOMPSON REACH



LEGEND

- PROPOSED TRAIL
- PROPOSED FLOODPLAIN TERRACE
- PROPOSED OVERLOOK FEATURE
- PROPOSED CRIB WALL
- PROPOSED ROCK/CASCADE STRUCTURE
- PROPOSED COIR FIBER BLOCKS

THE FOLLOWING PROJECT ELEMENTS WILL BE APPLIED FOR UNDER A SEPARATE CREEK PROTECTION PERMIT:
 INTERPRETIVE FEATURES (SHOWN ON L-1.0 AND L-1.1), LOG ROUND AND LOG SEATING (SHOWN ON L-3.0, L-1.0,
 L-1.1, L-1.2), SPLIT RAIL FENCING AND TRASH RECEPTABLE (SHOWN ON L-3.2, L-1.0, L-1.1), PICNIC TABLES,
 CONCRETE BENCH WITH BACK, AND METAL BENCH (SHOWN ON L-3.1, L-1.0, L-1.1)



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**COURTLAND CREEK RESTORATION PROJECT
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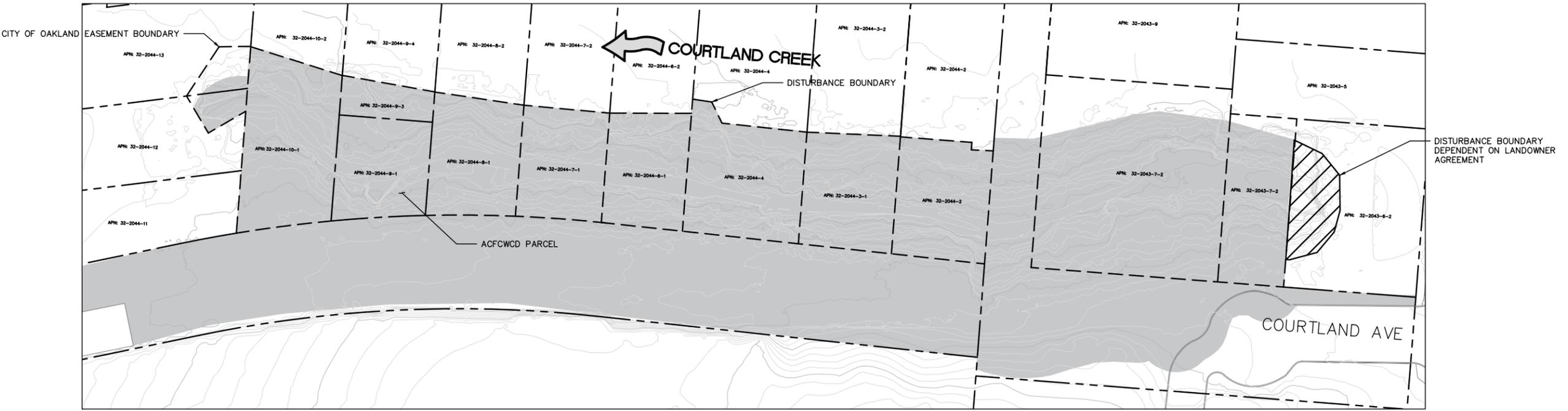
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DESIGNED BY				
DRAWN BY NSTEINKE				

OVERVIEW

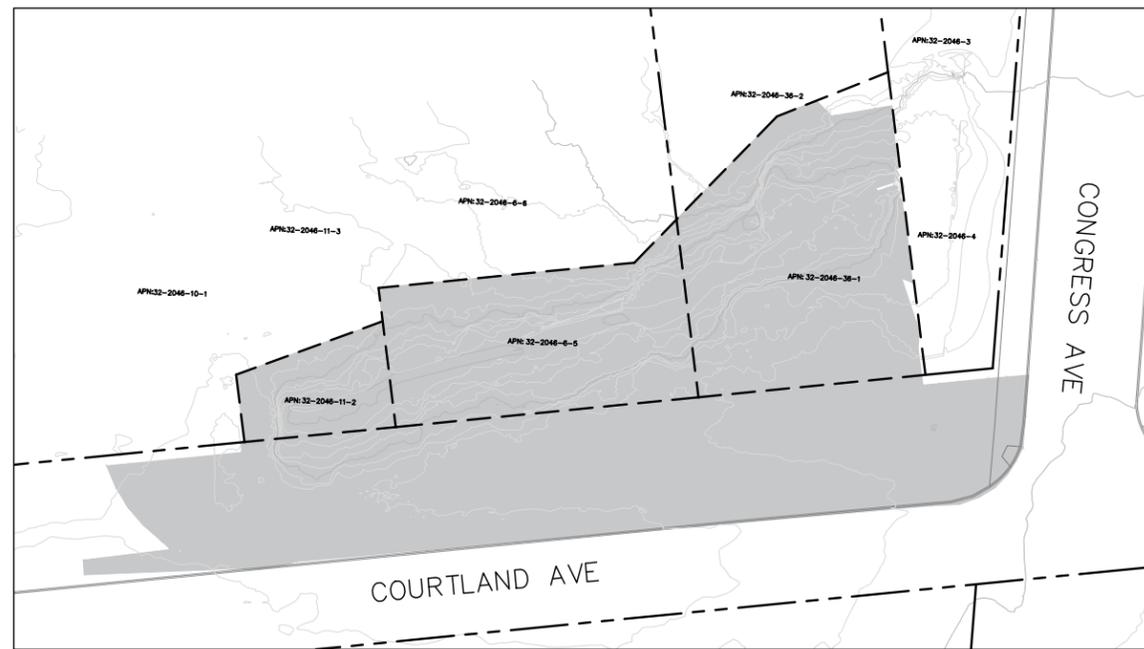
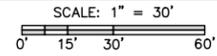
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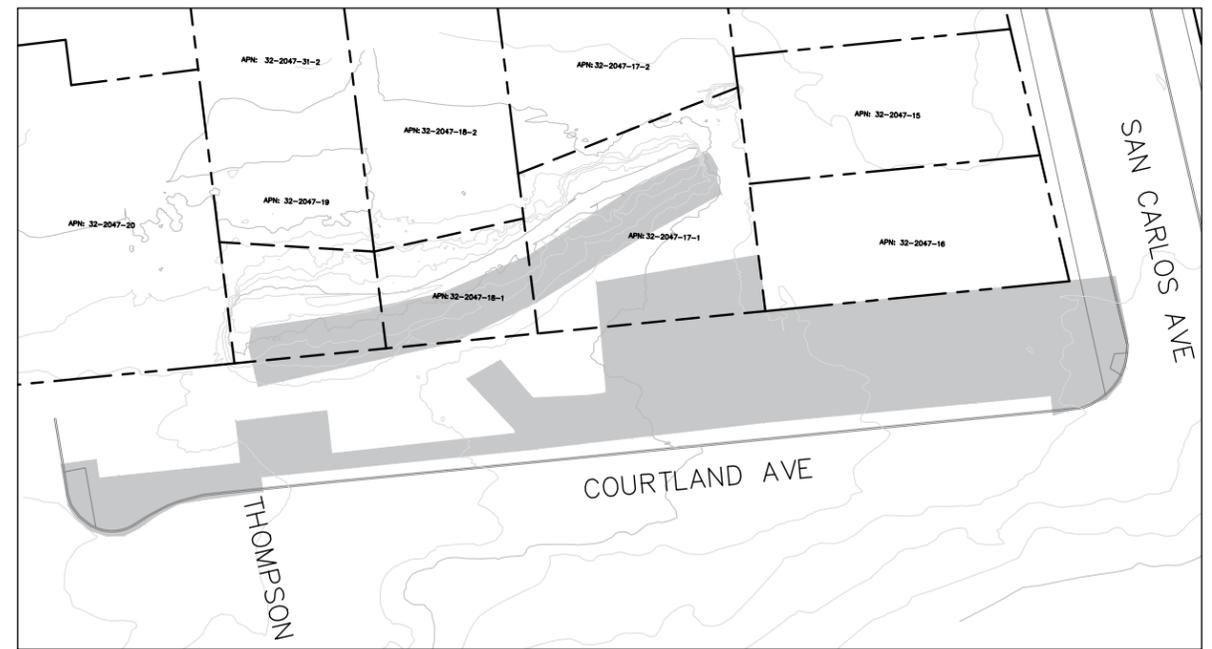
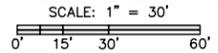
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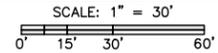
BROOKDALE REACH



CONGRESS REACH



THOMPSON REACH



LEGEND

CITY OF OAKLAND EASEMENT AND PARCEL LINE	---
PRIVATE PARCEL LINE	---
ACFCWCD PARCEL LINE	---
DISTURBANCE BOUNDARY	---



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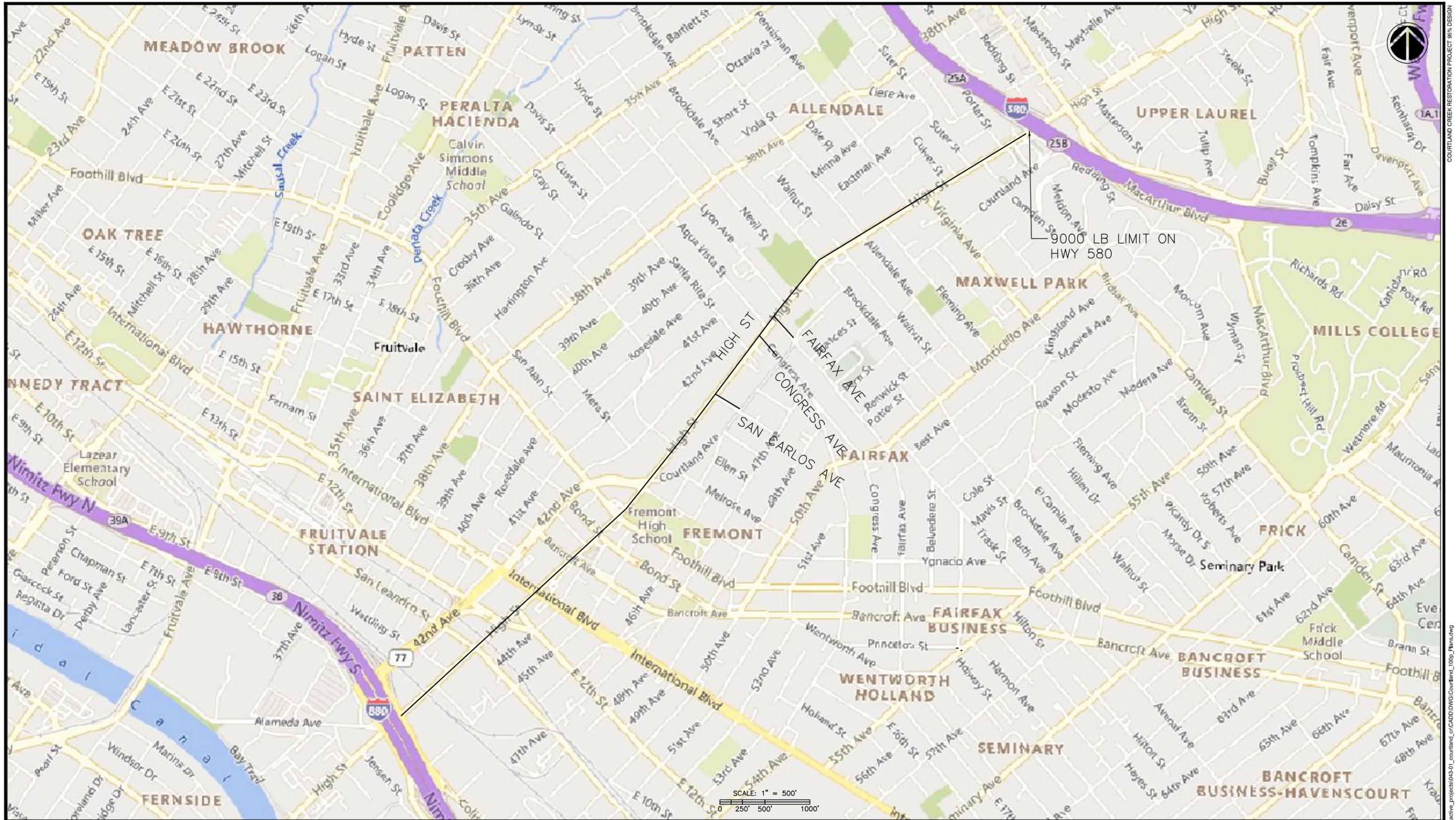
**COURTLAND CREEK RESTORATION PROJECT
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PARCELS AND EASEMENTS

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DATE: 12/20/2022	

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9000 LB LIMIT ON
HWY 580

SCALE: 1" = 500'
0 250' 500' 1000'



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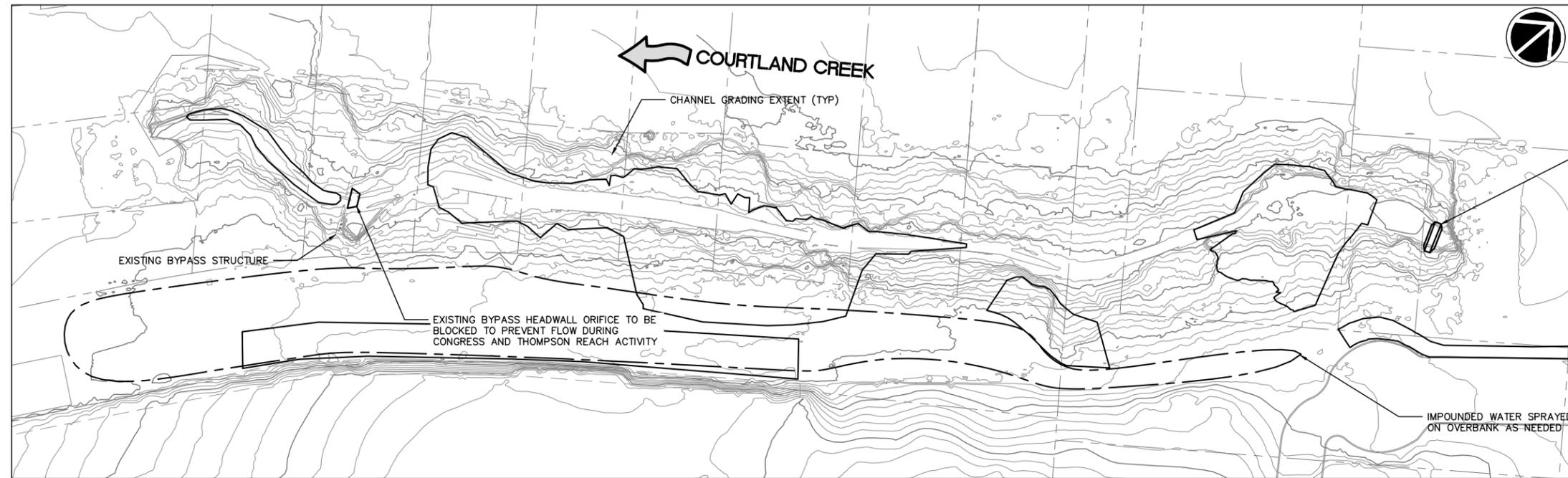
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1005340

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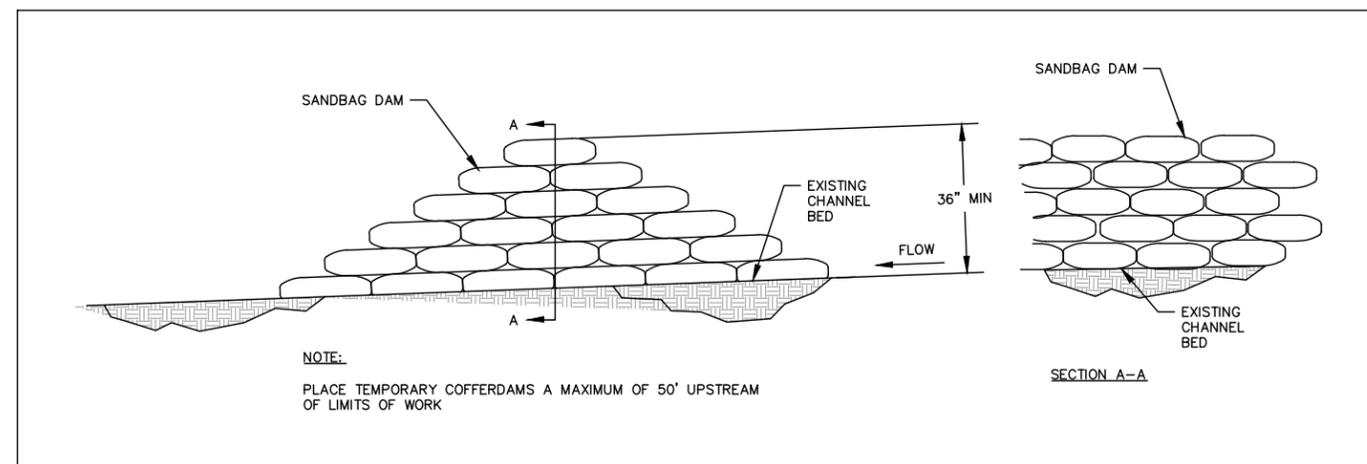
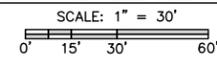
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COFFERDAM TO BE INSTALLED IN BROOKDALE REACH AS NEEDED BASED ON DAILY FORECASTS. LOCATION TO VARY BASED ON WORK PROGRESS

BROOKDALE REACH



NOTE:
PLACE TEMPORARY COFFERDAMS A MAXIMUM OF 50' UPSTREAM OF LIMITS OF WORK

SECTION A-A

COFFERDAM DETAIL 1
NTS

- NOTES:**
1. IN-CHANNEL CONSTRUCTION ACTIVITIES ASSUMED TO OCCUR BETWEEN JUNE 1 AND SEPTEMBER 30. AVERAGE MONTHLY RAINFALL AT OAKLAND INTERNATIONAL AIRPORT RANGES DURING THIS PERIOD FROM A HIGH OF 0.2 INCHES IN SEPTEMBER TO A LOW OF 0.0 INCHES IN JULY AND AUGUST.
 2. ORIFICE IN ACFWCD BIFURCATION STRUCTURE SHOULD BE BLOCKED PRIOR TO WORK TO ISOLATE ALL DOWNSTREAM REACHES FROM FLOWS.
 3. COFFER DAMS OF SANDBAGS/PLASTIC SHEETING TO BE PLACED IN BROOKDALE REACH CHANNEL TO ISOLATE WORK FROM FLOWS AS NEEDED BASED ON DAILY FORECASTS.
 4. LOCATION OF COFFER DAM(S) DEPENDENT ON PROGRESSION OF CONSTRUCTION. COFFER DAM(S) SHOULD BE PLACED UPSTREAM OF ACTIVE WORK.
 5. IMPOUNDED FLOWS SHOULD BE PUMPED OUT OF CHANNEL AND SPREAD ON OVERBANK AREAS AS SHOWN, TAKING CARE TO ENSURE SUCH FLOWS DO NOT RUNOFF THE SITE OR CAUSE ANY EROSION.



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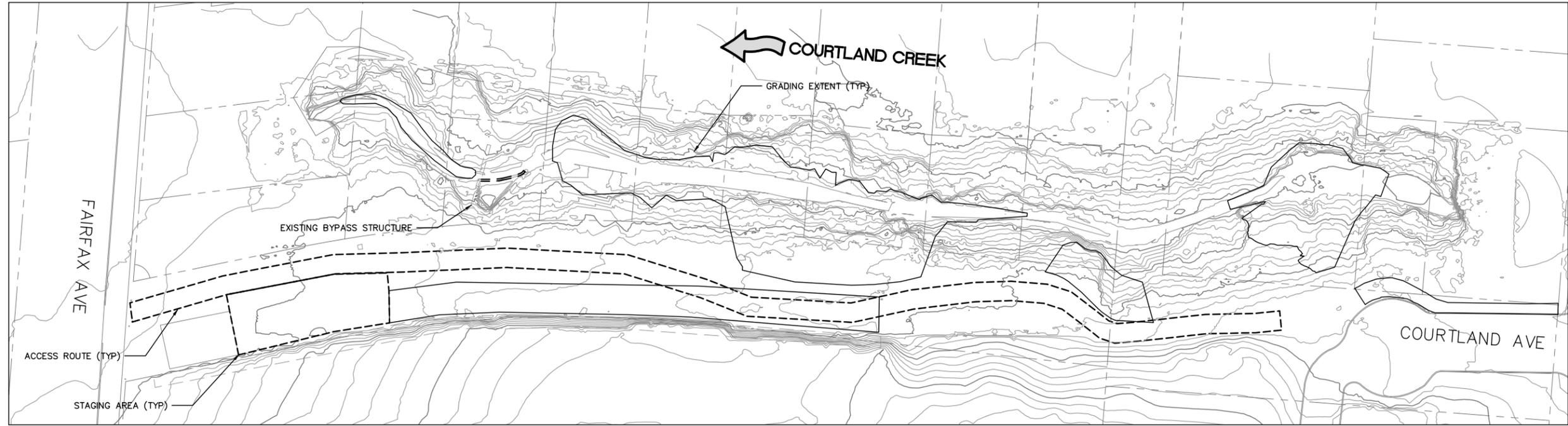
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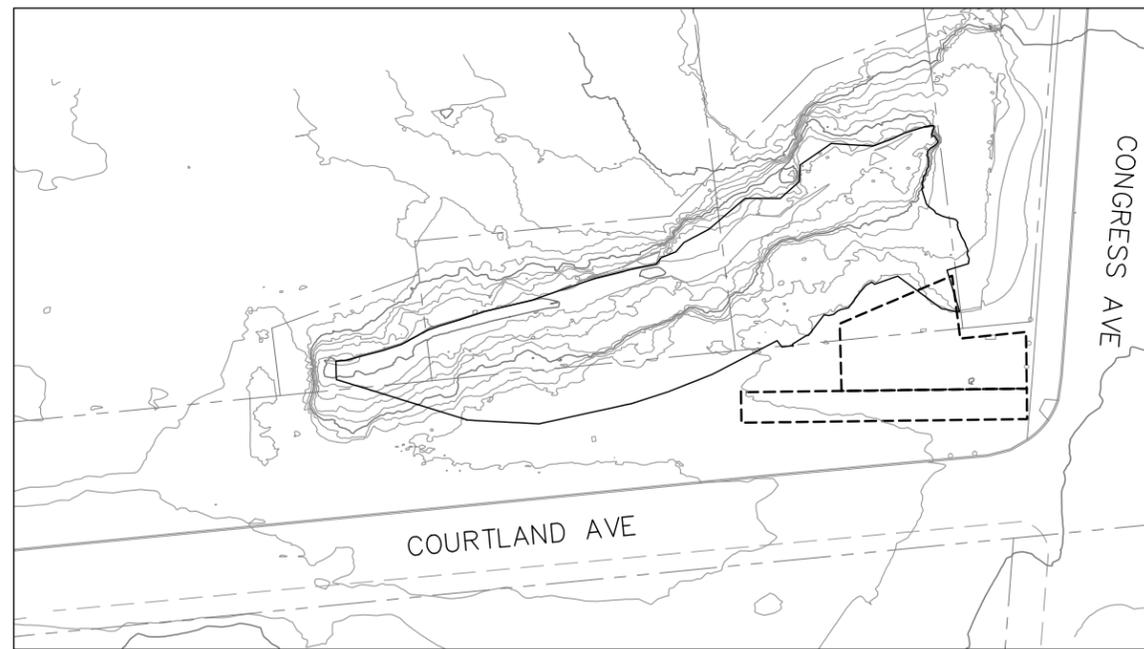
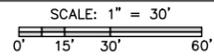
DIVERSION AND DEWATERING

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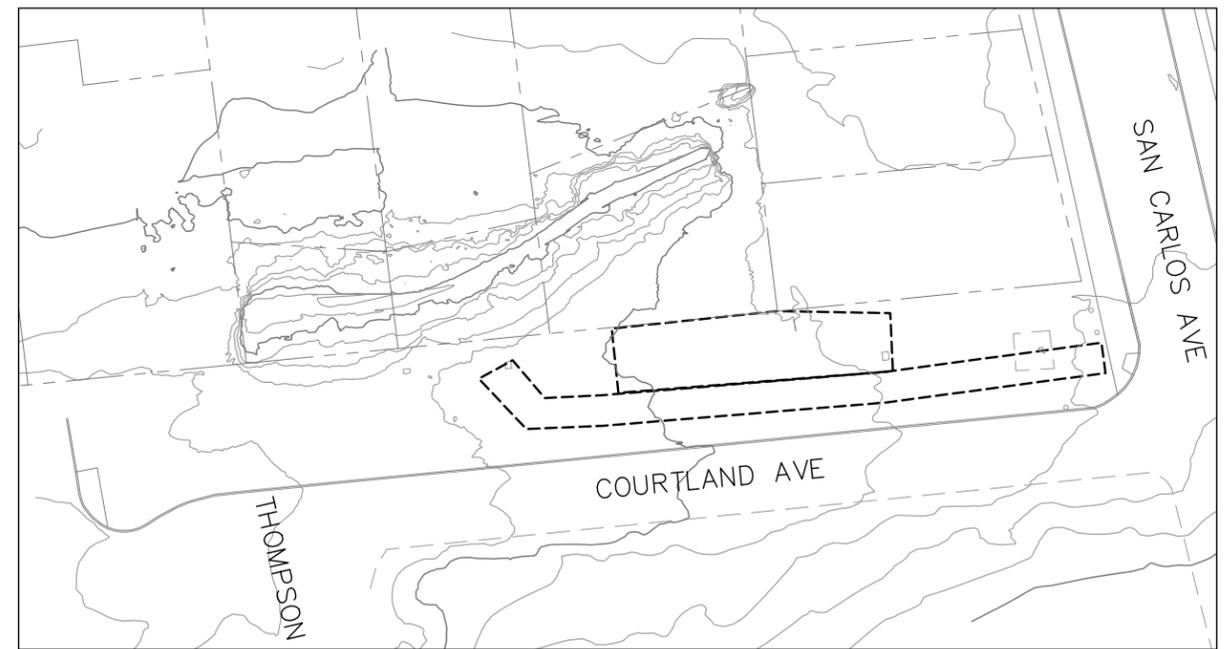
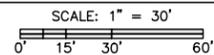
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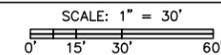
BROOKDALE REACH



CONGRESS REACH



THOMPSON REACH



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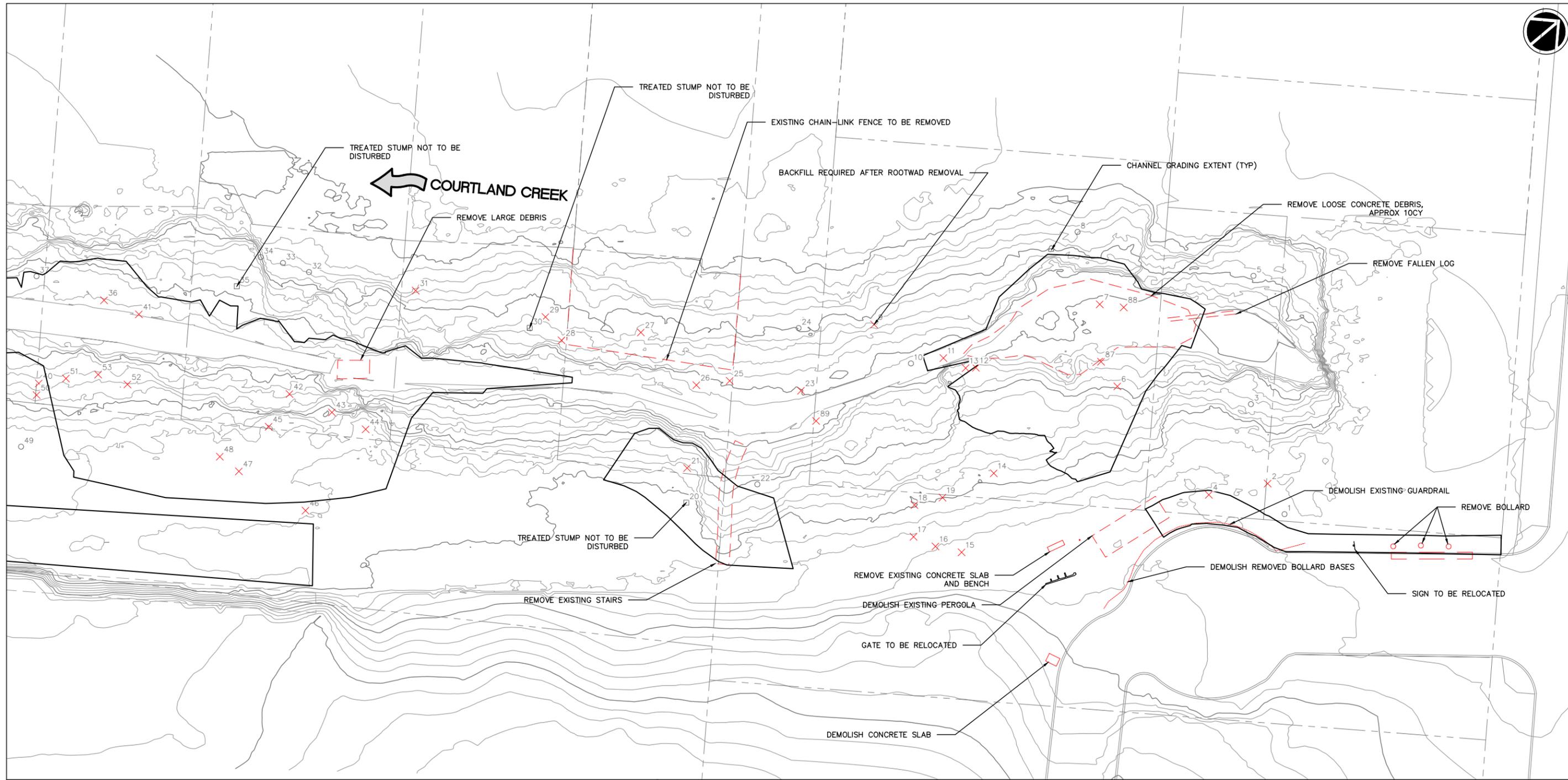
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STAGING AND ACCESS PLAN

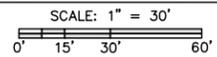
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DATE: 12/20/2022

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BROOKDALE REACH UPSTREAM DEMO PLAN



NOTE: TREES TO BE REMOVED WITH ROOTWAD UNLESS NOTED IN PLANS TO TREAT STUMP IN PLACE



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COURTLAND CREEK RESTORATION PROJECT
100% DESIGN

CIVIL ENGINEER

RCE NO. _____ EXP. _____

CHECKED BY PFRANK

DESIGNED BY

DRAWN BY NSTEINKE

No.	DATE	BY	REFERENCE

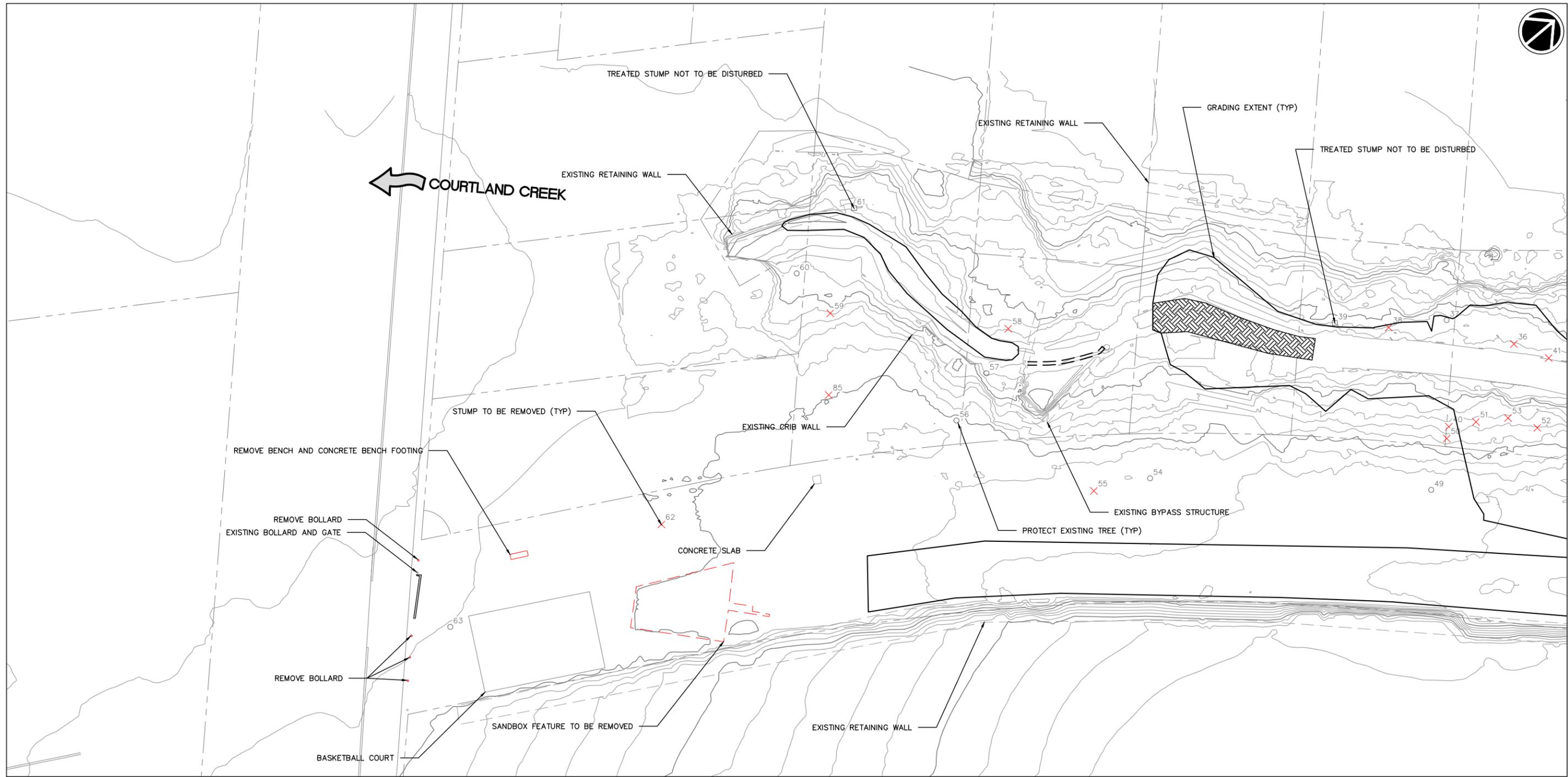
DEMOLITION PLANS (1)

PROJECT NO.
1005340

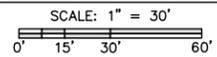
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BROOKDALE REACH DOWNSTREAM DEMO PLAN



NOTE: TREES TO BE REMOVED WITH ROOTWAD UNLESS NOTED IN PLANS TO TREAT STUMP IN PLACE

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COURTLAND CREEK RESTORATION PROJECT
 100% DESIGN

CIVIL ENGINEER	No.	DATE	BY	REFERENCE
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DEMOLITION PLANS (2)

PROJECT NO.
1005340

SCALE: AS SHOWN
 HOR. _____
 VERT. _____
 DATE: 12/20/2022

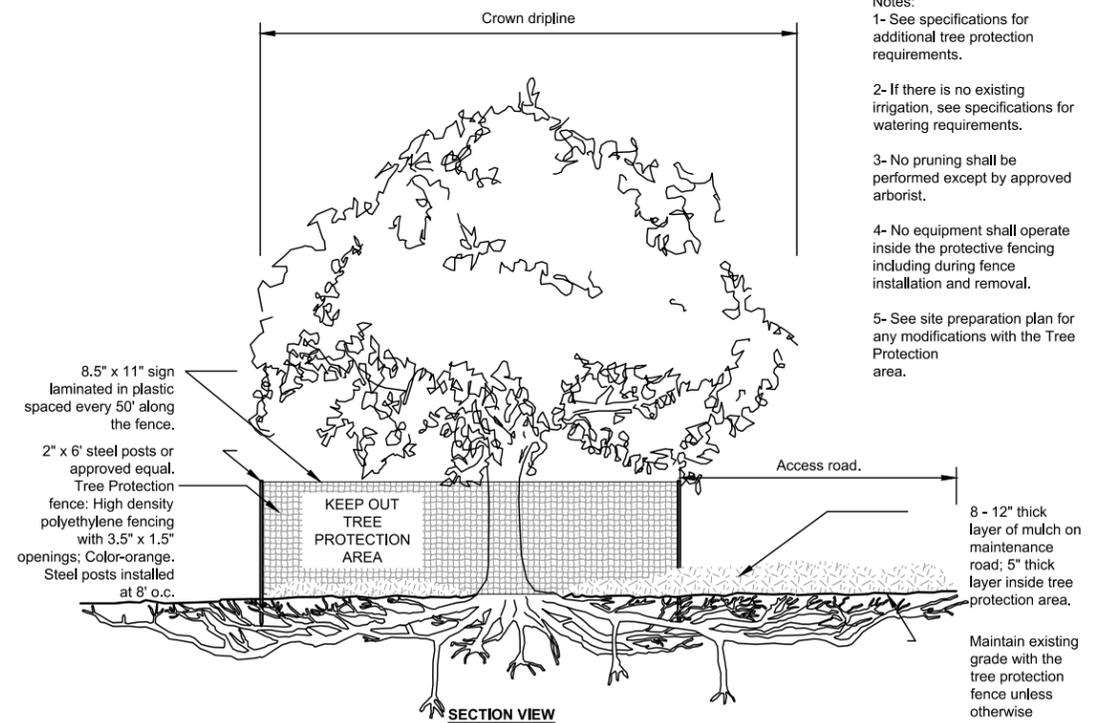
SHEET NO.
C7
 9 OF 41

DRAWING NAME: Y:\Shared\active_projects\048-01_Courtland_Cr\CADD\DWG\Courtland_100p_Plans.dwg PLOT DATE: 12-20-22

STUMPS TO BE REMOVED					
Point #	Tree #	Description	DBH	Northing	Easting
2847	2	Purpleleaf plum	6;4	2111543.19	6069377.74
2849	4	Purpleleaf plum	6;6;5	2111528.50	6069367.73
2851	6	California black walnut	6	2111531.98	6069325.80
2852	7	Glossy privet	6;6;5;3	2111545.46	6069304.94
2854	9	Blue gum	65;48;28;18	2111493.83	6069261.76
2856	11	Canary Island date palm	20	2111501.38	6069283.34
2857	12	Evergreen ash	7;7	2111506.16	6069292.20
2858	13	Blue gum	37	2111503.95	6069290.11
2859	14	Coast live oak	21	2111487.82	6069318.05
2860	15	Coast live oak	12	2111464.52	6069327.84
2861	16	Blue gum	11	2111460.27	6069321.11
2862	17	Blue gum	39	2111457.69	6069314.50
2863	18	Coast live oak	9	2111464.52	6069308.03
2864	19	Blue gum	32	2111471.98	6069312.37
2866	21	Blue gum	27	2111424.53	6069252.56
2868	23	Plum	6;5	2111464.64	6069260.27
2870	25	Blue gum	33;26;14;24;13	2111451.73	6069243.25
2871	26	Blue gum	14	2111443.84	6069237.13
2872	27	Blue gum	39	2111443.20	6069214.44
2873	28	Blue gum	35;9	2111424.89	6069199.44
2874	29	Blue gum	25	2111426.40	6069191.18
2876	31	Plum	9	2111404.67	6069158.39
2881	36	Black locust	6	2111337.20	6069094.98
2883	38	Blackwood acacia	6;4;	2111314.29	6069065.13
2885	40	American elm	9	2111306.11	6069098.67
2886	41	Blackwood acacia	12	2111341.58	6069105.24
2887	42	Coast live oak	18;9	2111356.51	6069153.55
2931	43	American elm	11;5	2111361.58	6069166.30
2889	44	Blue gum	38;18;14	2111365.13	6069176.93
2888	45	Coast live oak	9;6;4	2111345.29	6069156.02
2890	46	Blue gum	30;28	2111335.48	6069181.32
2891	47	American elm	8;6;5;5	2111329.72	6069159.11
2892	48	Coast live oak	18;7	2111328.77	6069152.04
2894	50	Coast live oak	10	2111303.19	6069100.68
2895	51	Coast live oak	15;5;5;4	2111312.82	6069103.36
2896	52	Coast live oak	17;8;6	2111324.50	6069117.51
2897	53	American elm	6	2111320.40	6069109.30
2899	55	Blackwood acacia	20	2111217.82	6069037.35
2902	58	Blue gum	36;23	2111233.87	6068985.24
2903	59	Blue gum	29	2111199.64	6068944.49
2906	62	Purpleleaf plum	9	2111119.71	6068953.29
2908	64	Tupelo	10	2110751.59	6068677.82
2909	65	Blackwood acacia	9	2110770.95	6068675.69
2910	66	Winged elm	20	2110791.54	6068664.91
2911	67	American elm	12;11;8;8;8;8;6;5;5	2110716.68	6068651.09

STUMPS TO BE REMOVED					
Point #	Tree #	Description	DBH	Northing	Easting
2912	68	American elm	9;4;3	2110697.01	6068642.33
2913	69	Elderberry	7	2110688.71	6068634.82
2914	70	Blue gum	29;25	2110668.11	6068630.98
2915	71	American elm	19	2110724.30	6068629.34
2921	77	Blue gum	18	2110619.11	6068558.33
2922	78	Blue gum	45;38;36	2110610.48	6068556.03
2923	79	Blue gum	38;36	2110607.40	6068564.81
2924	80	Blue gum	16;8;7	2110597.33	6068569.77
2925	81	California pepper	9;2	2110584.80	6068583.66
2926	82	Tupelo	6	2110587.94	6068585.07
2927	83	Blue gum	18;9	2110634.86	6068609.39
2928	84	Blue gum	61;36;32;16	2110655.81	6068625.62
2930	85	Blue gum	60	2111182.13	6068961.33
2929	86	Blue gum	13	2110729.95	6068645.23
2934	87	Canary Island date palm	30	2111533.70	6069317.23
2935	88	Glossy privet	4	2111549.85	6069310.60
2936	89	Canary Island date palm	30	2111461.47	6069269.76
2942	90	Plum	4	2110730.89	6068699.04
2943	91	Plum	4	2110716.80	6068687.55
2944	92	Plum	4	2110706.13	6068680.83
2948	93	Plum	4	2110682.69	6068663.76
2949	94	Plum	4	2110670.31	6068653.70
2938	95	Plum	4	2110659.48	6068644.88
2939	96	Plum	4	2110647.39	6068636.68
2940	97	Plum	4	2110623.88	6068620.22
2945	98	Plum	4	2110638.32	6068628.12
2946	99	Plum	4	2110609.68	6068611.51
2941	100	Plum	4	2110598.74	6068602.00
2950	101	Plum	4	2110579.62	6068590.93
2952	102	Plum	4	2110014.79	6068109.75
2953	103	Plum	4	2110003.23	6068099.91
2954	104	Plum	4	2109983.28	6068102.60

TREES TO BE PROTECTED					
Point #	Tree #	Description	DBH	Northing	Easting
2846	1	Purpleleaf plum	8	2111540.33	6069387.69
2848	3	Coast live oak	38	2111556.31	6069357.59
2850	5	Coast redwood	54	2111583.72	6069331.27
2853	8	California black walnut	20;18	2111555.96	6069285.10
2855	10	Evergreen ash	10;7	2111493.43	6069277.68
2867	22	Coast live oak	7	2111435.85	6069270.73
2869	24	Coast live oak	18	2111477.25	6069246.66
2877	32	Lombardy poplar	20	2111386.15	6069132.14
2878	33	Lombardy poplar	32	2111382.56	6069124.74
2879	34	Lombardy poplar	28;26;24;22;16	2111379.12	6069118.84
2882	37	Coast redwood	26	2111328.05	6069075.77
2893	49	Coast live oak	27	2111289.11	6069108.22
2898	54	Coast live oak	23;21;13	2111232.32	6069046.55
2900	56	Coast live oak	36	2111203.68	6068993.64
2901	57	Arroyo willow	9	2111219.93	6068990.02
2904	60	Blue gum	64	2111200.93	6068929.07
2907	63	Purpleleaf plum	6	2111053.66	6068930.36
2916	72	California black walnut	20;16;10	2110781.24	6068619.62
2919	75	Fremont cottonwood	23	2110713.60	6068602.69
2920	76	Boxelder	9;8	2110686.96	6068578.34



- Notes:
- 1- See specifications for additional tree protection requirements.
 - 2- If there is no existing irrigation, see specifications for watering requirements.
 - 3- No pruning shall be performed except by approved arborist.
 - 4- No equipment shall operate inside the protective fencing including during fence installation and removal.
 - 5- See site preparation plan for any modifications with the Tree Protection area.

S-X TREE PROTECTION - MAINTENANCE ROAD
NTS

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COURTLAND CREEK RESTORATION PROJECT
100% DESIGN

CIVIL ENGINEER	No.	DATE	BY	REFERENCE
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CHECKED BY PFRANK				
DESIGNED BY				
DRAWN BY NSTEINKE				

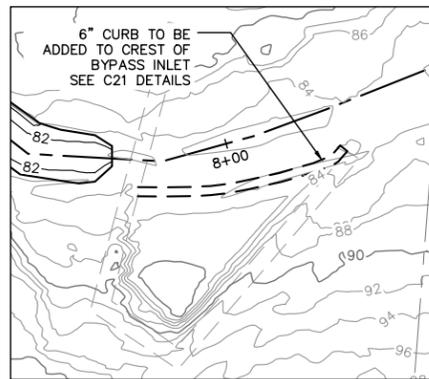
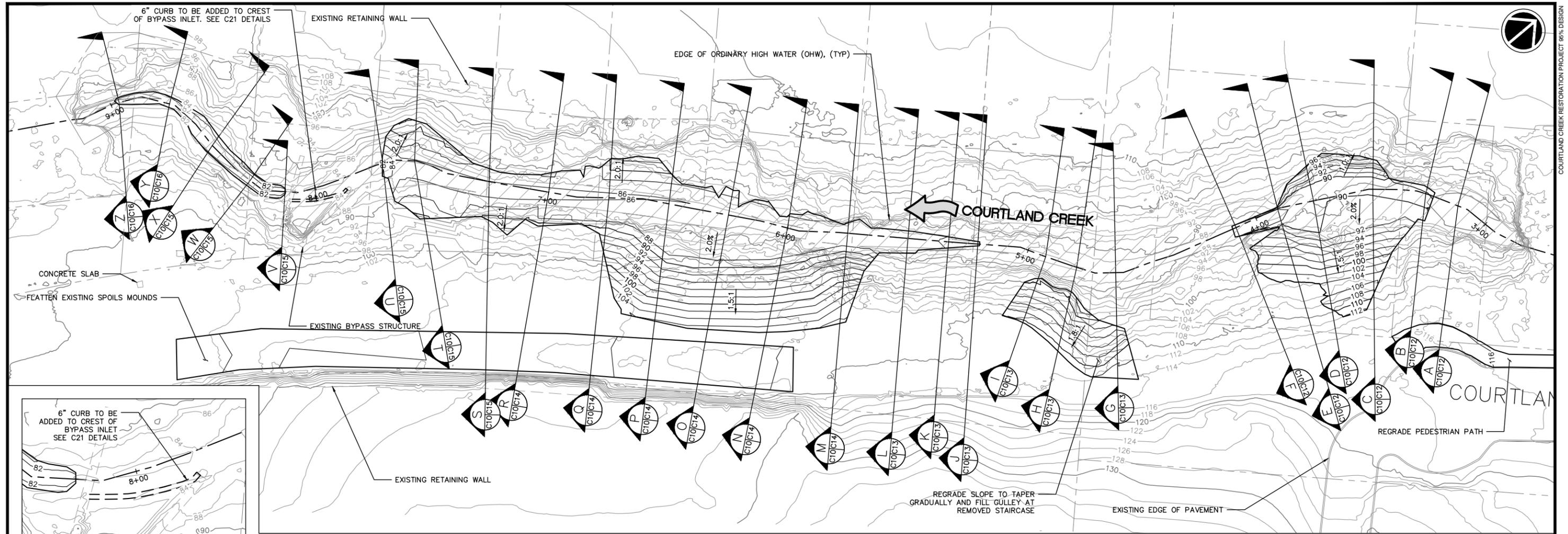
TREE INVENTORY

PROJECT NO.
1005340

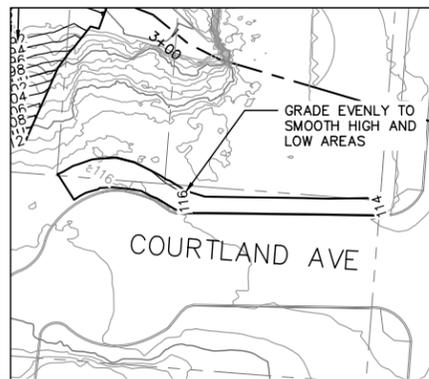
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VERT.
DATE: 12/20/2022

SHEET NO.
C9
11 OF 41

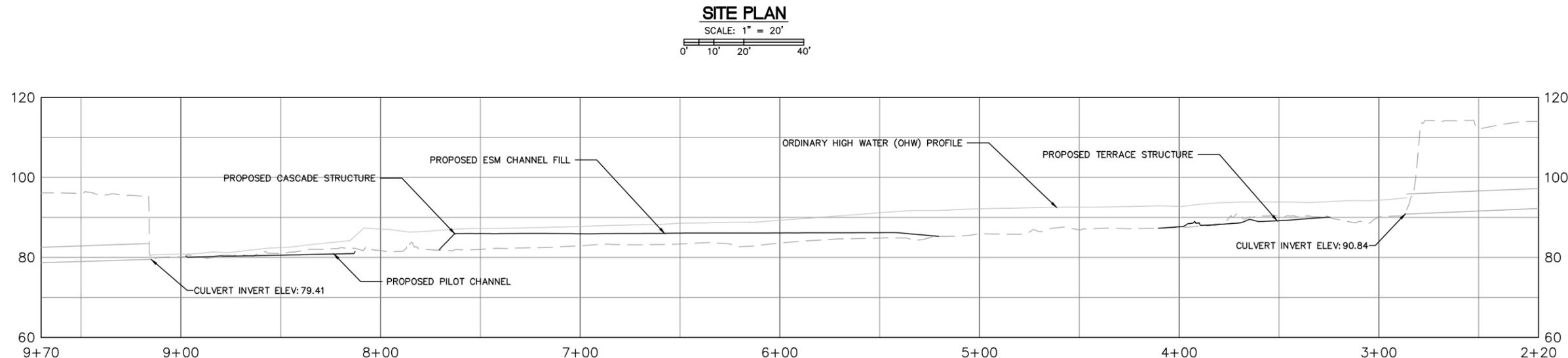
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BYPASS LIP MODIFICATION PLAN
SCALE: 1" = 10'



CULDESAC PATH REGRADING
SCALE: 1" = 30'



PROFILE
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'



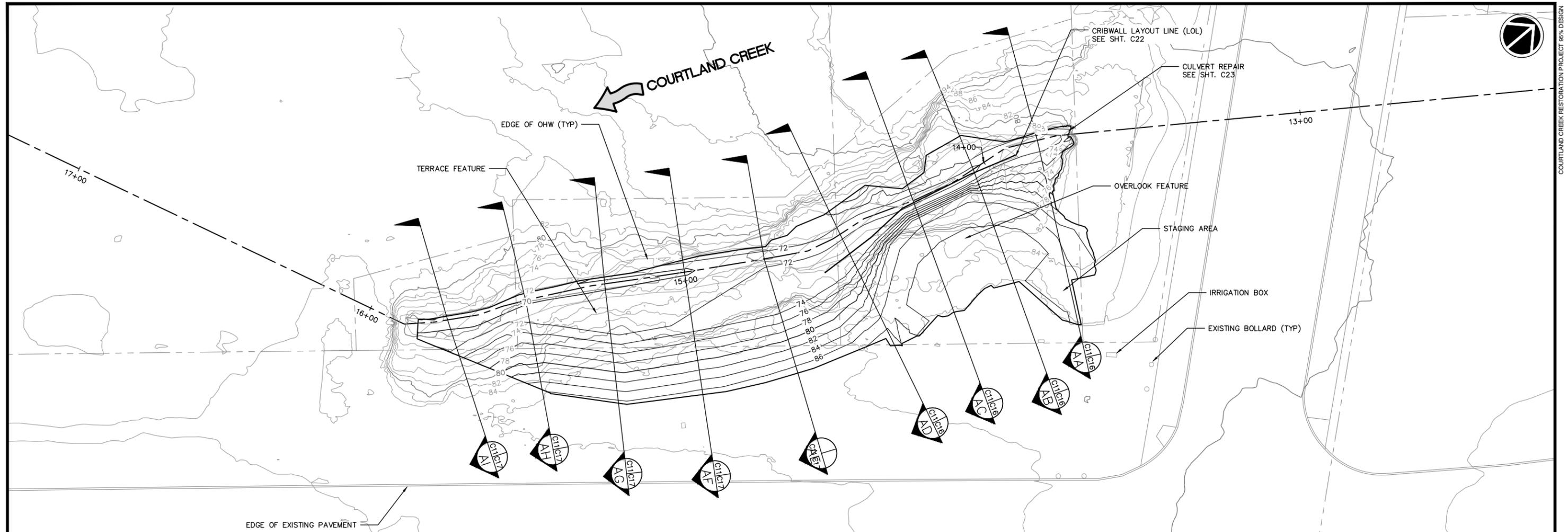
COURTLAND CREEK RESTORATION PROJECT
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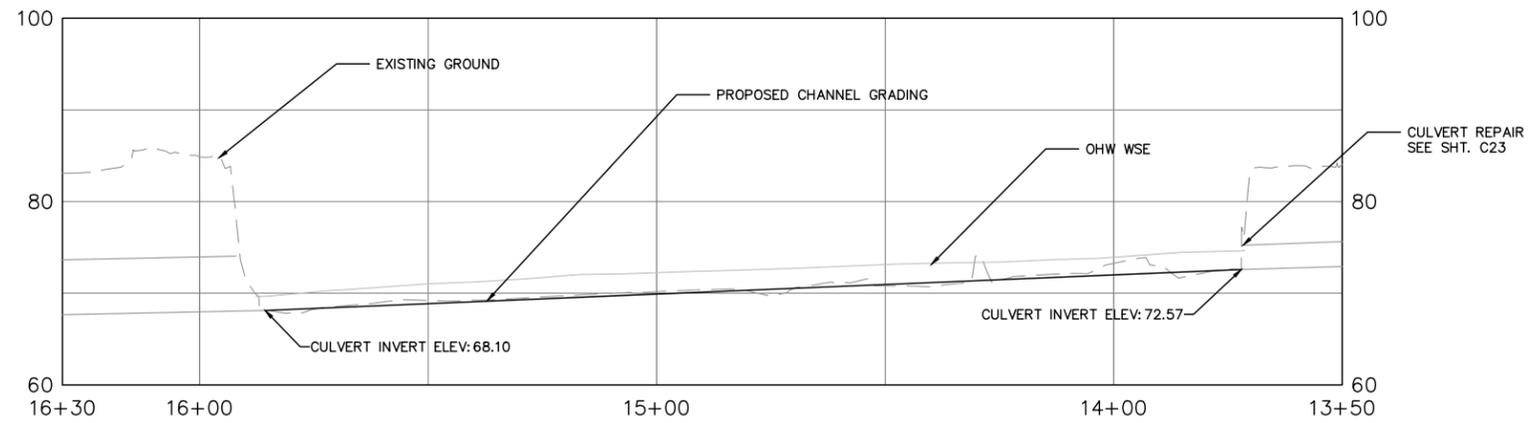
BROOKDALE GRADING
PLAN AND PROFILE

PROJECT NO. 1005340	SHEET NO. C10
SCALE: AS SHOWN HOR. VERT.	DATE: 12/20/2022 12 OF 41

COURTLAND CREEK RESTORATION PROJECT 95% DESIGN
DRAWING NAME: Y:\Shared\active_projects\048-01_Courtland_Cr\CADD\DWG\Courtland_100p_Plans.dwg
PLOT DATE: 12-20-22



SITE PLAN
SCALE: 1" = 20'



PROFILE
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'

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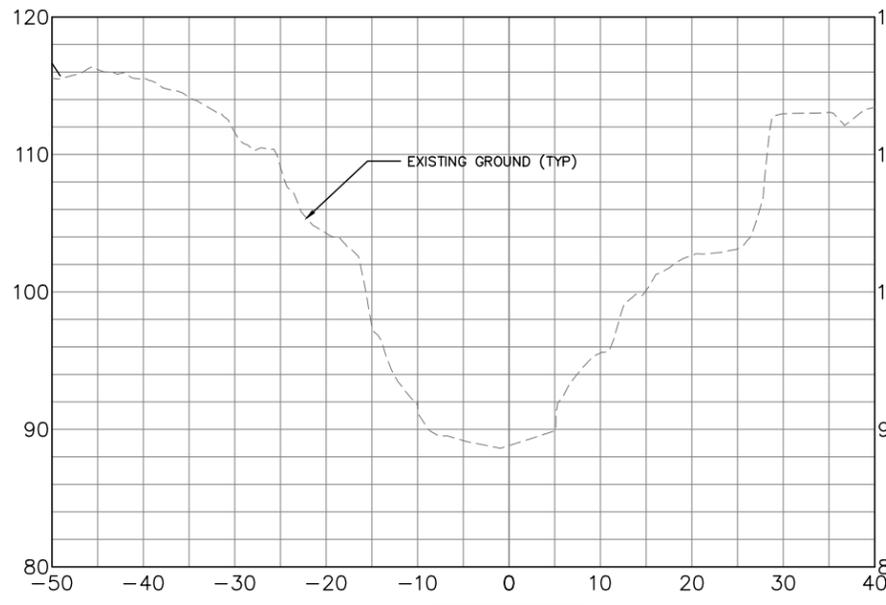
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CONGRESS GRADING
PLAN AND PROFILE

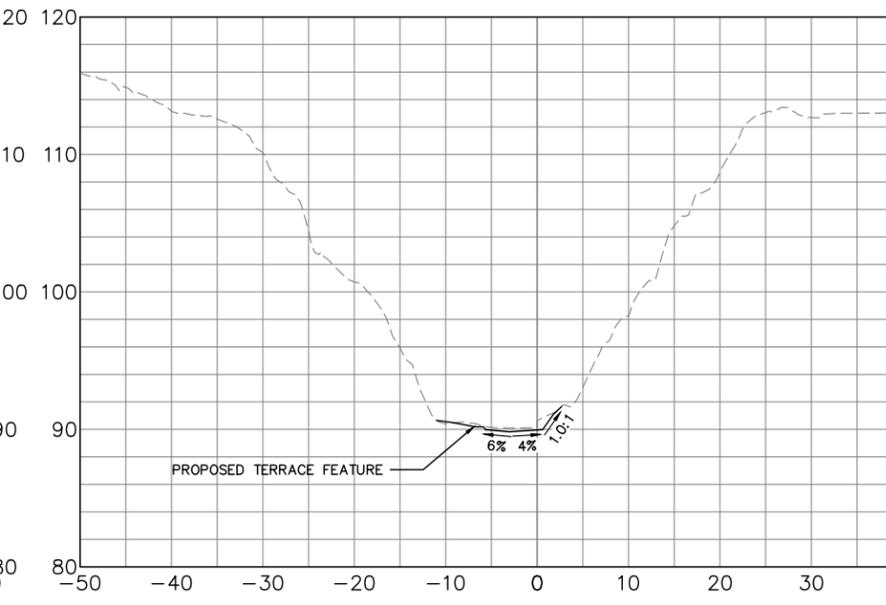
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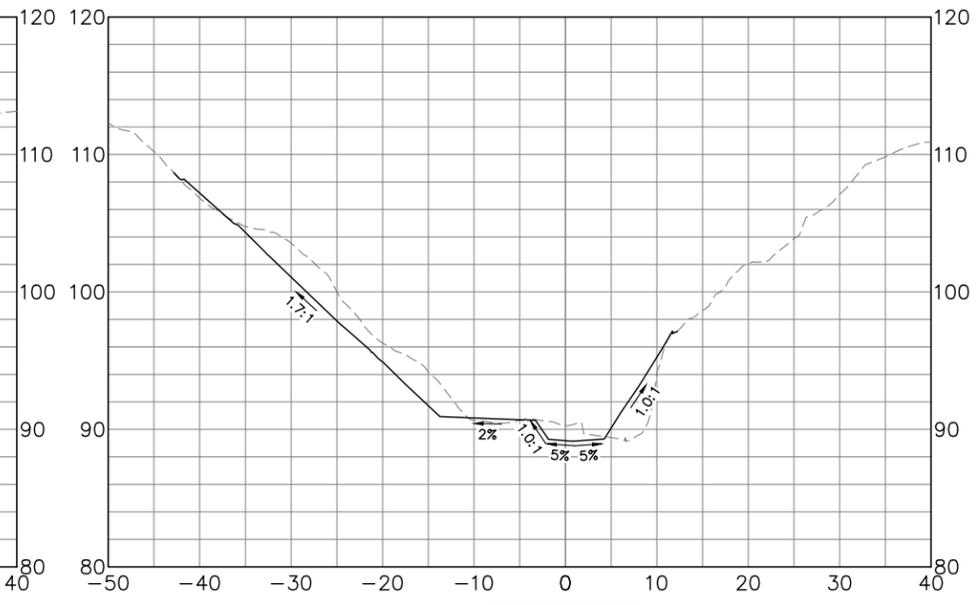
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13 OF 41



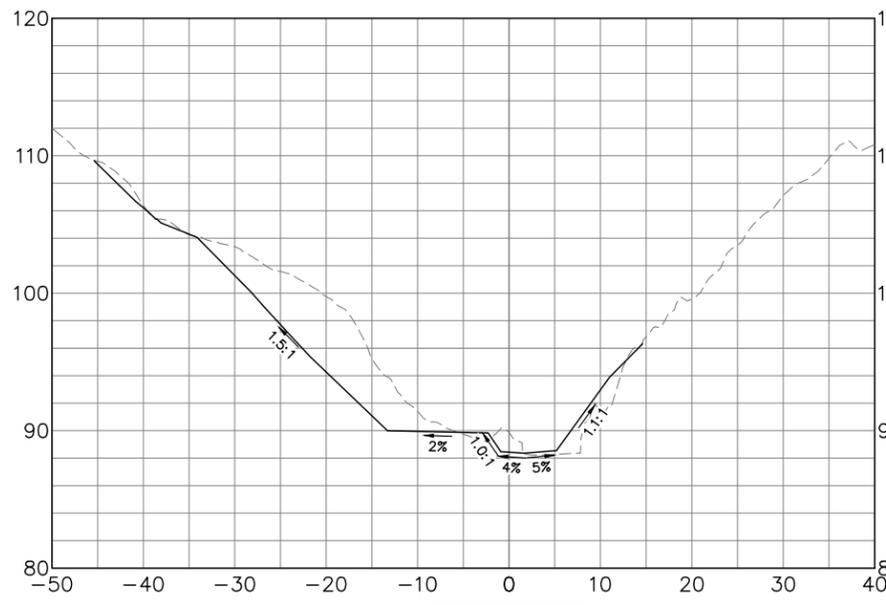
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STA 3+14



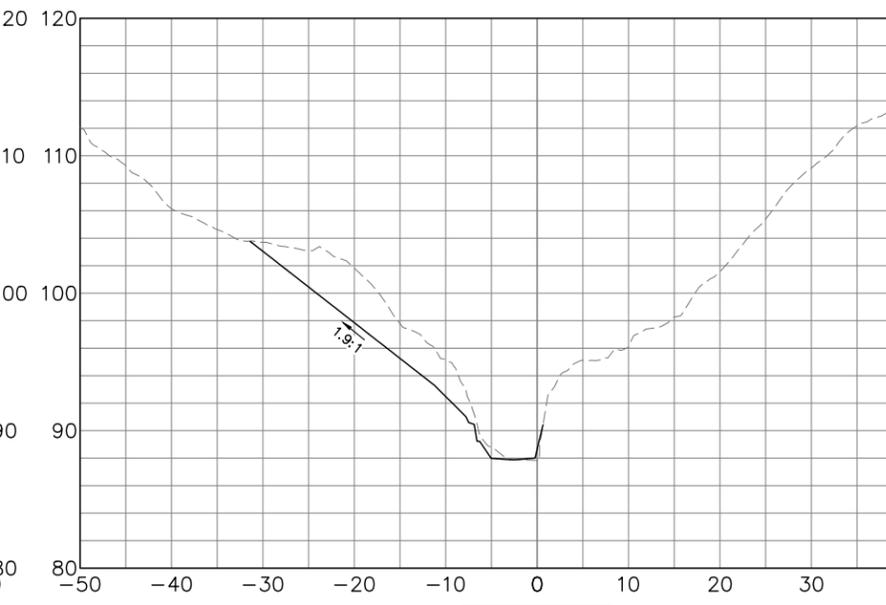
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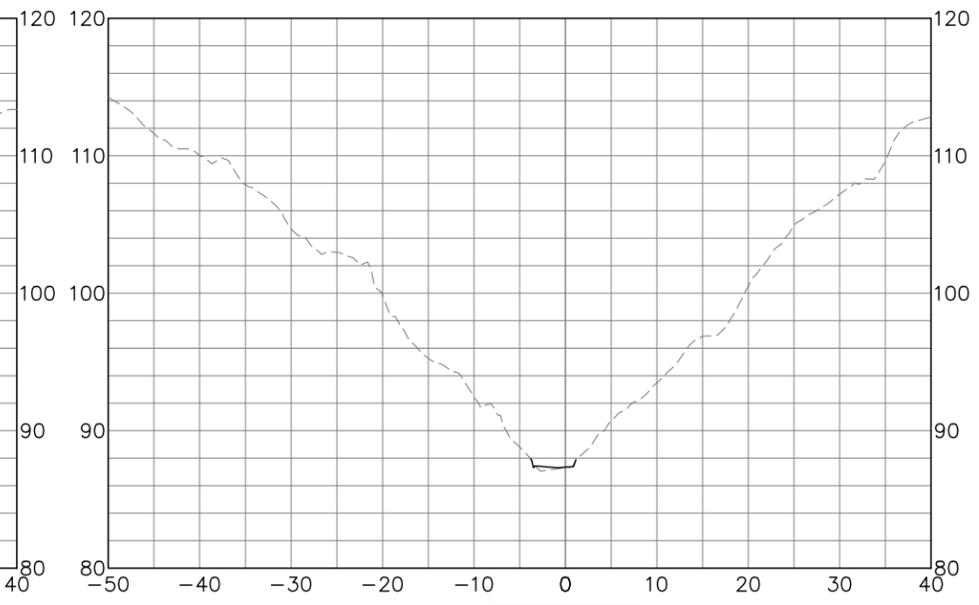
XS C
STA 3+50



XS D
STA 3+75



XS E
STA 3+90



XS F
STA 4+09



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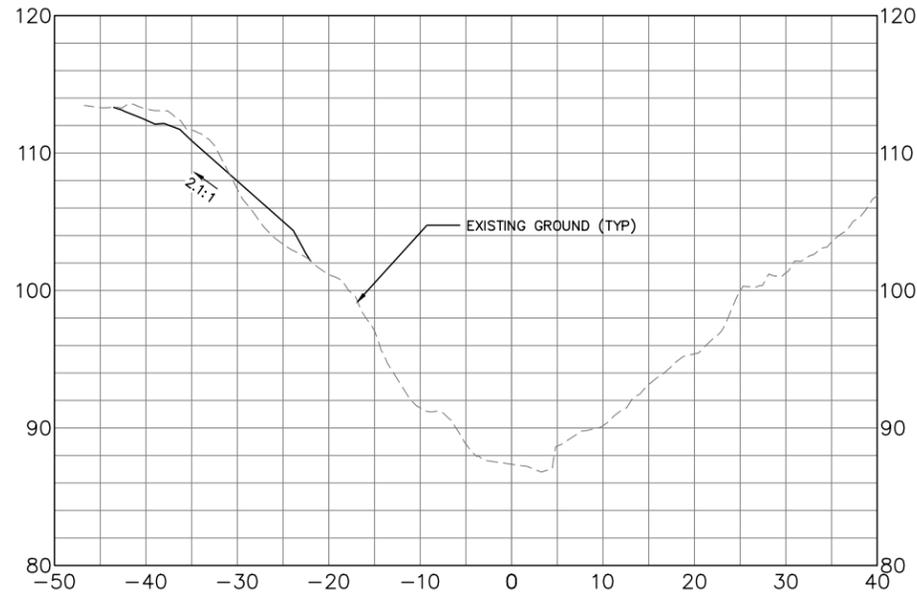
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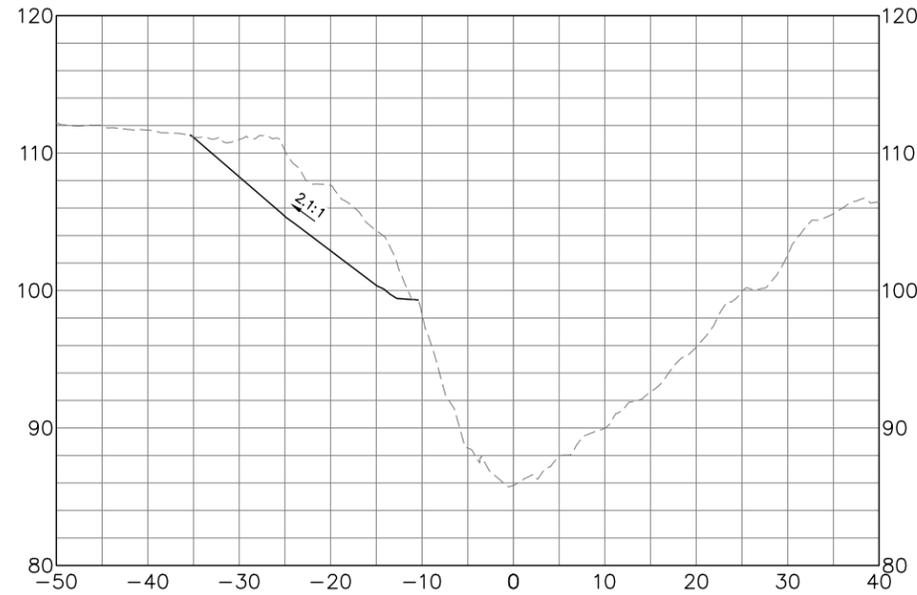
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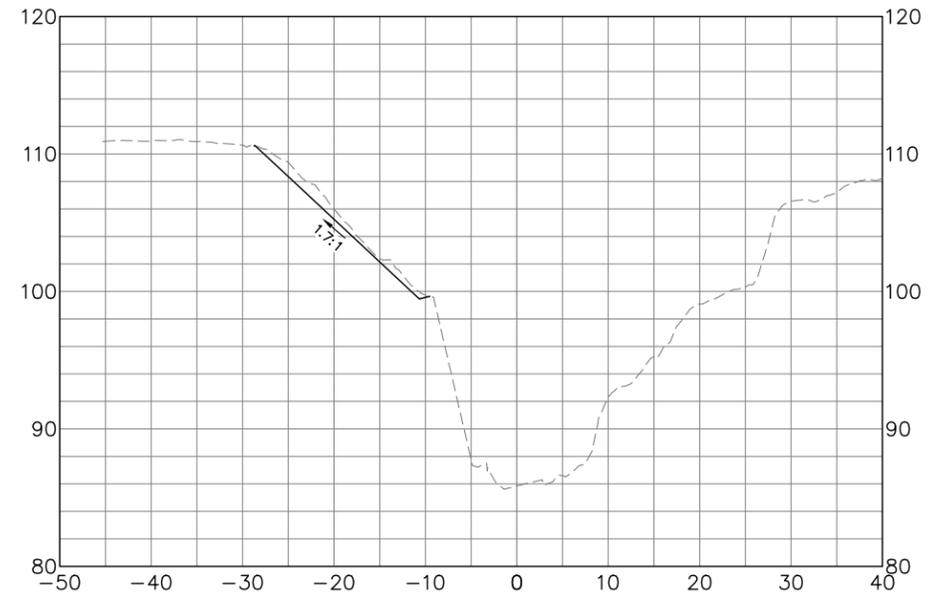
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DATE: 12/20/2022	14 OF 41



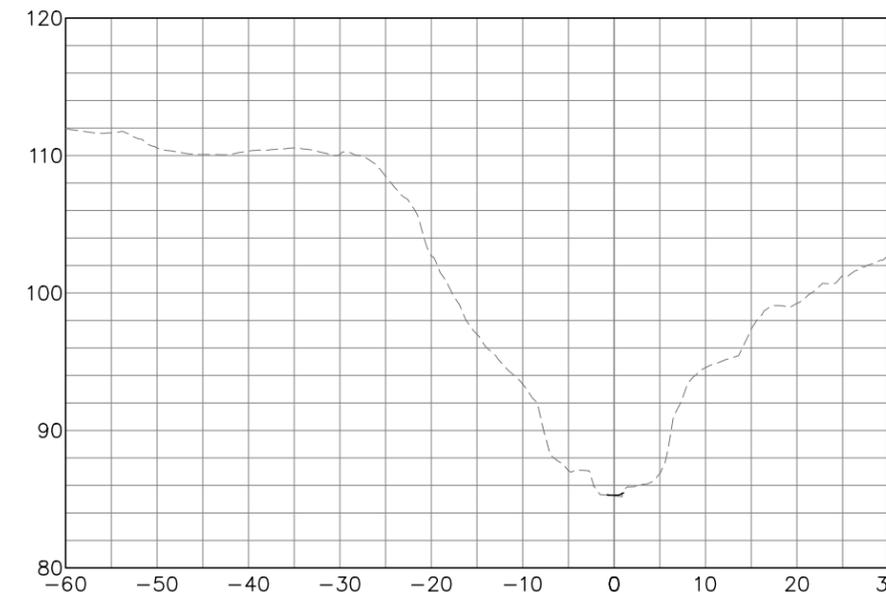
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STA 4+62



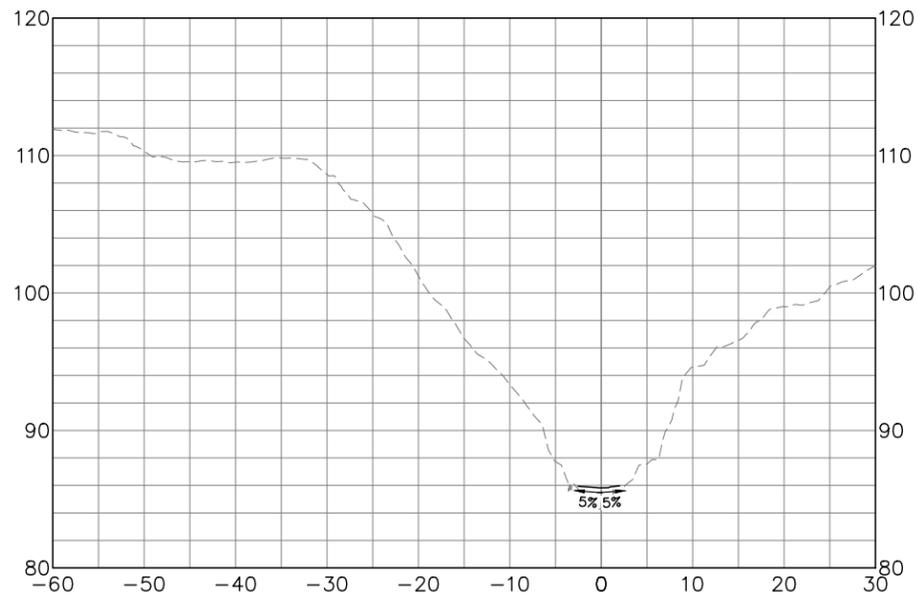
XS H
STA 4+79



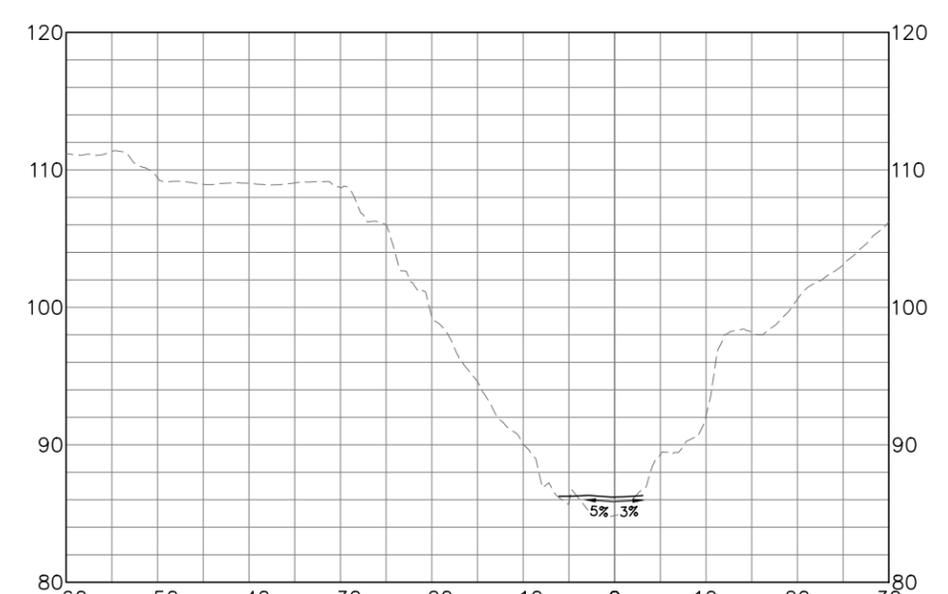
XS I
STA 4+92



XS J
STA 5+21



XS K
STA 5+33



XS L
STA 5+50



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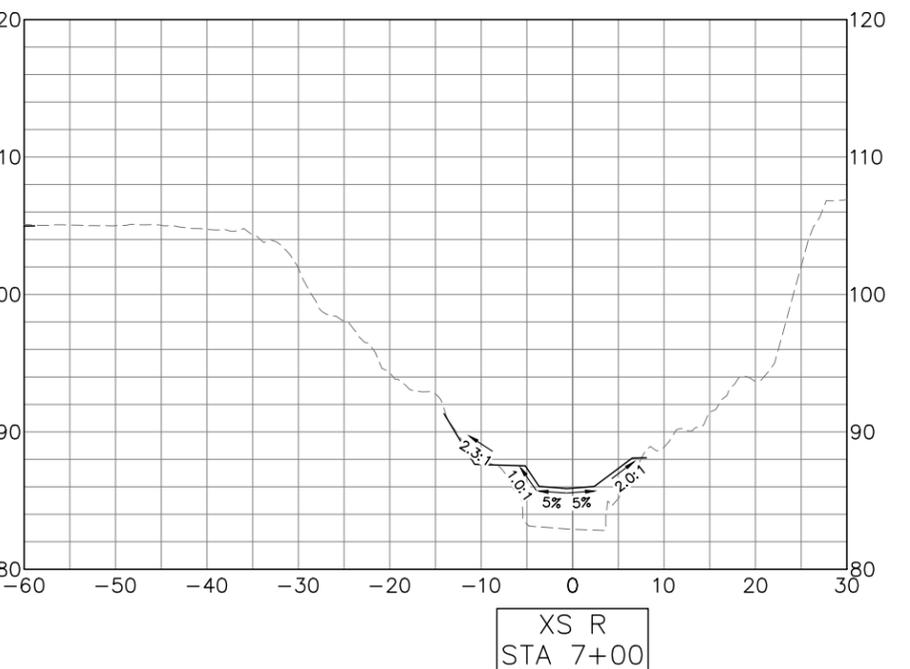
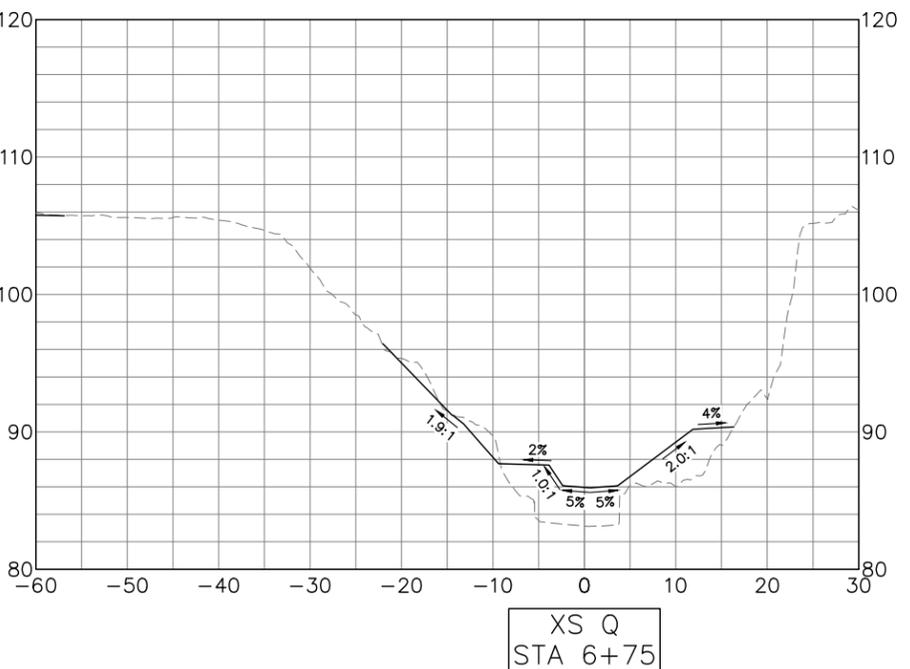
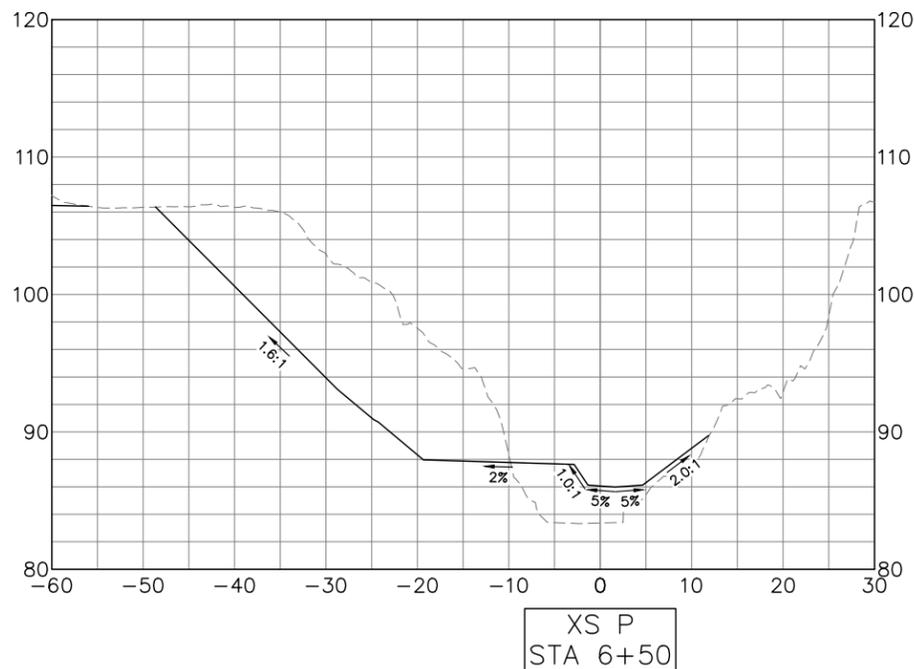
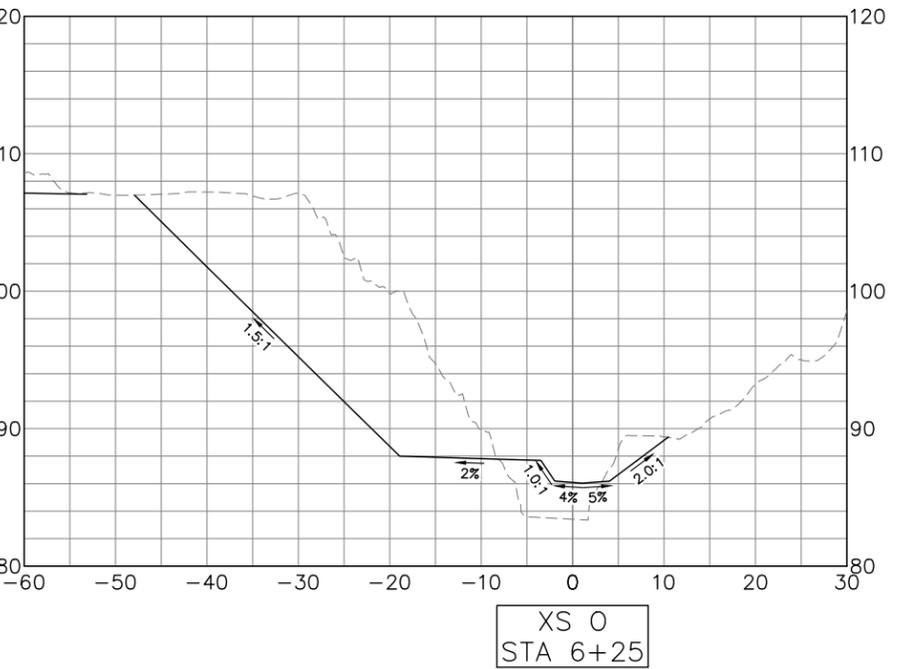
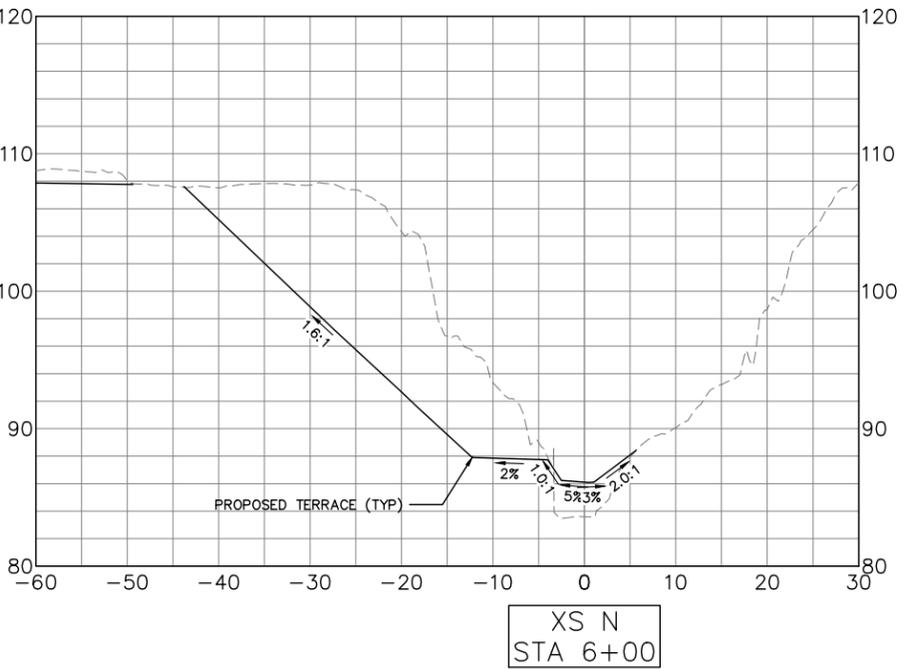
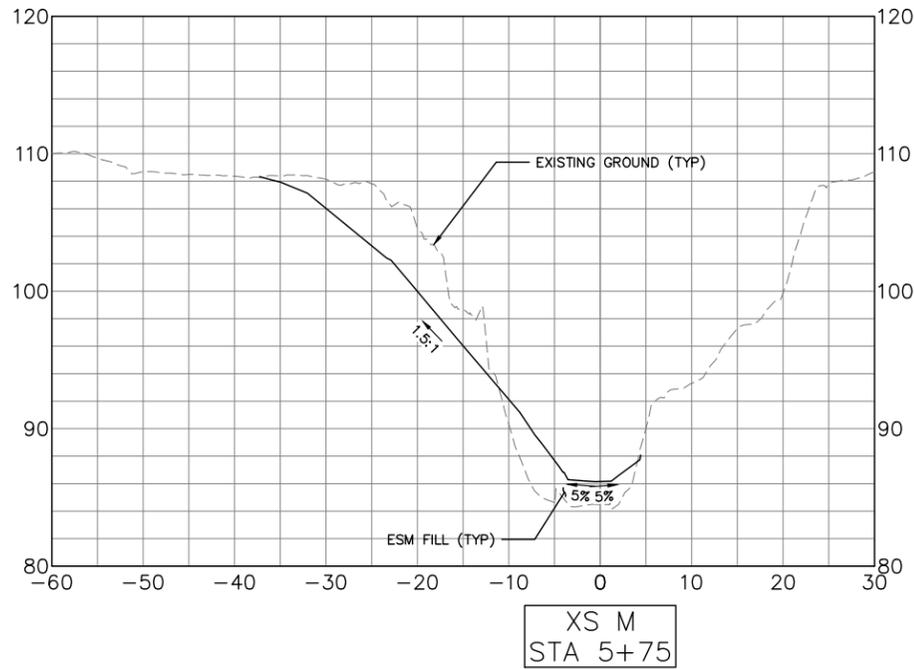
BROOKDALE CROSS
SECTIONS (2)

PROJECT NO.
1005340

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DATE: 12/20/2022

SHEET NO.
C13
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BROOKDALE CROSS
SECTIONS (3)

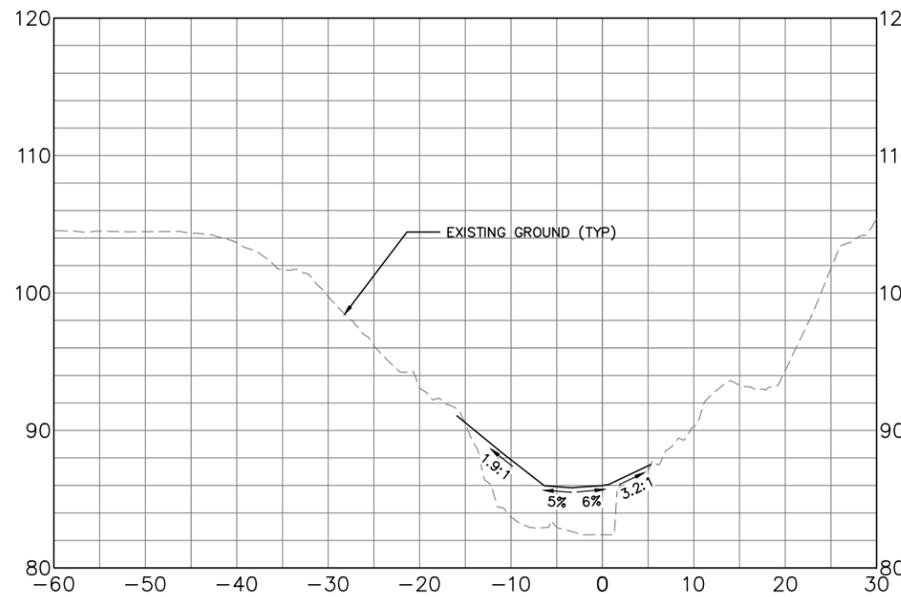
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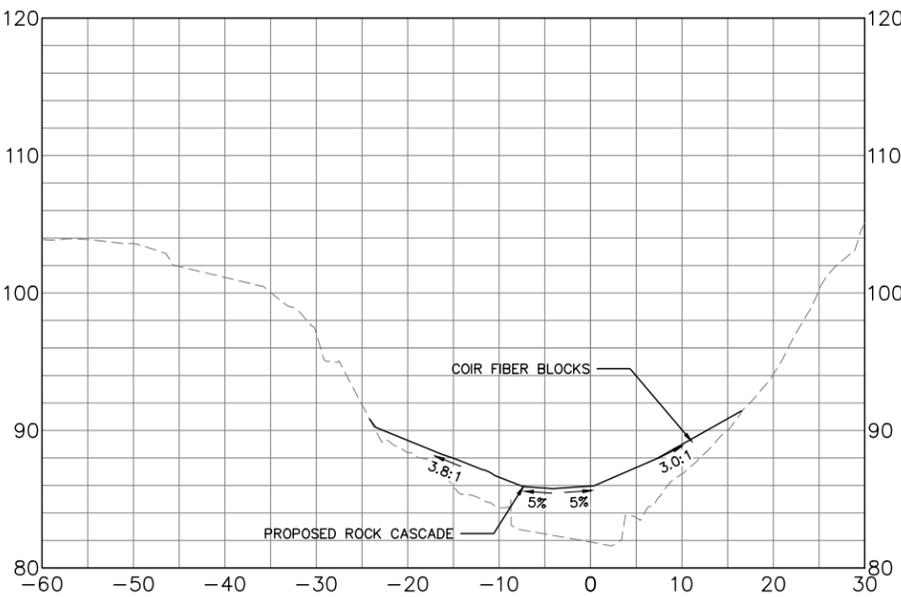
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C14

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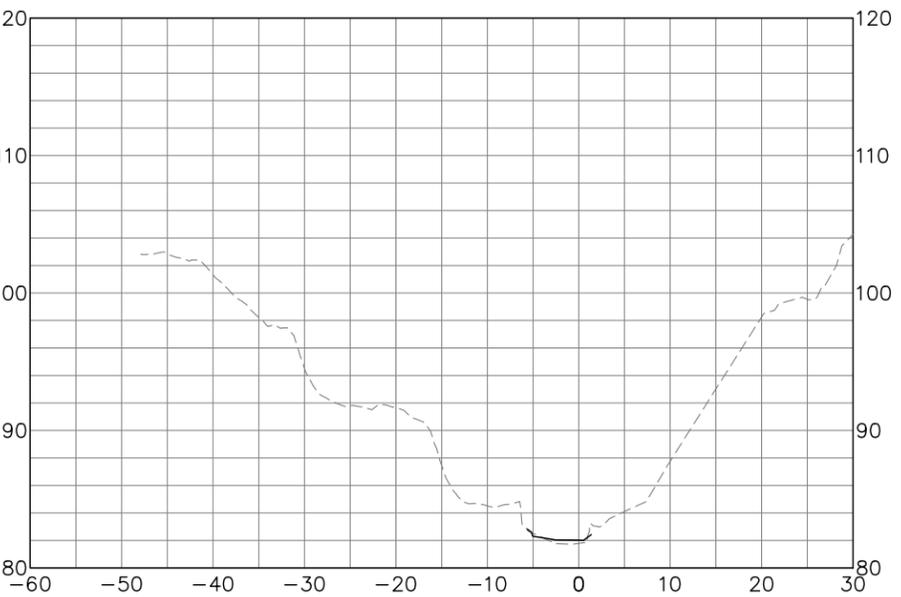
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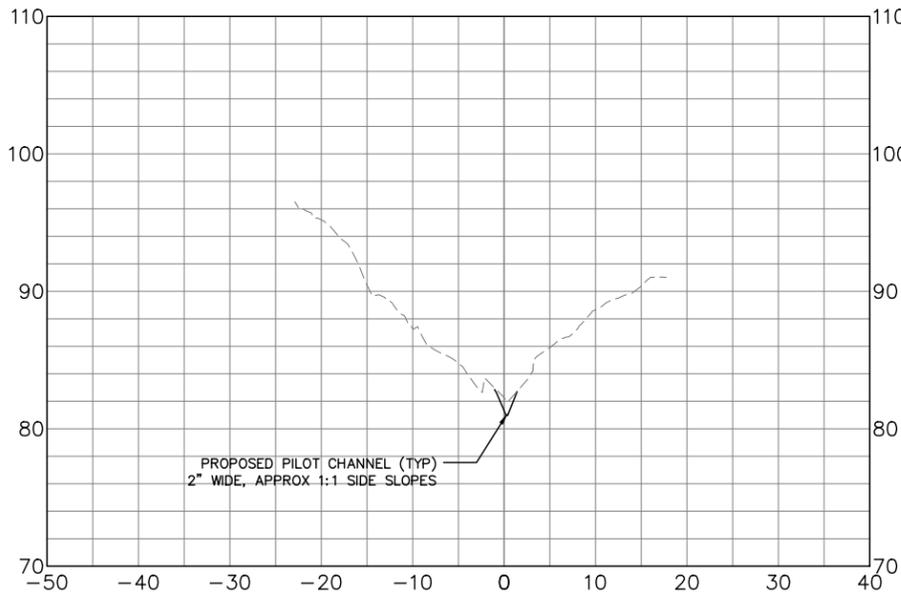
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STA 7+25



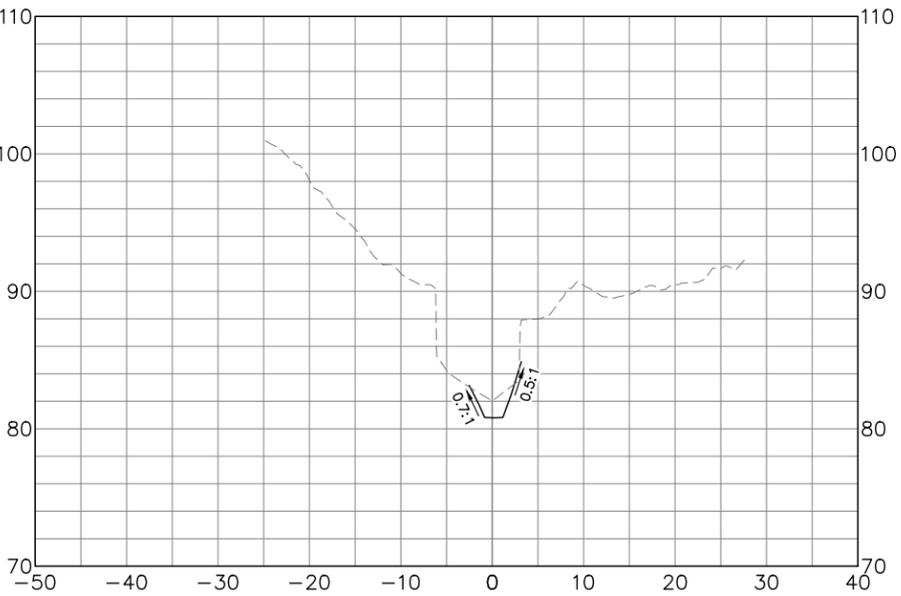
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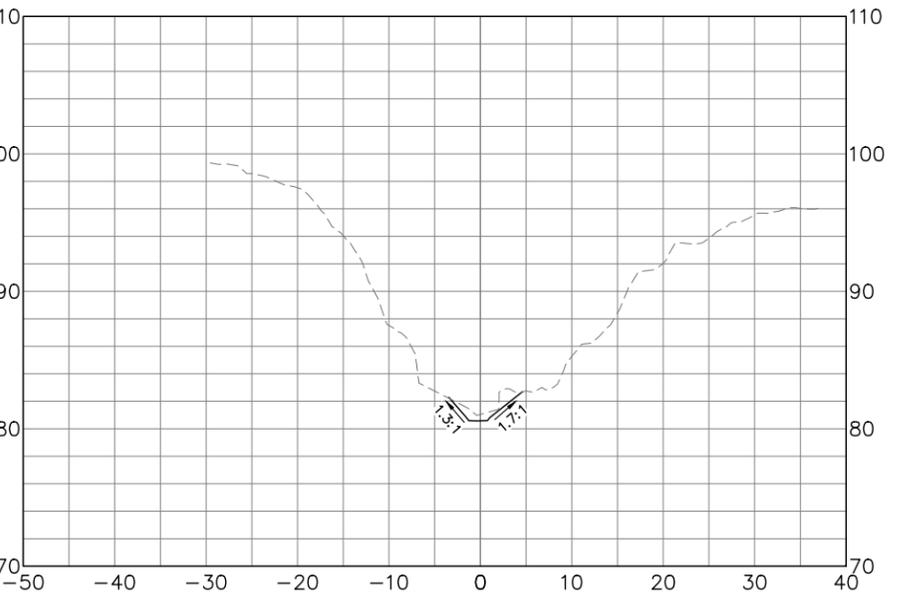
XS U
STA 7+70



XS V
STA 8+13



XS W
STA 8+29



XS X
STA 8+50



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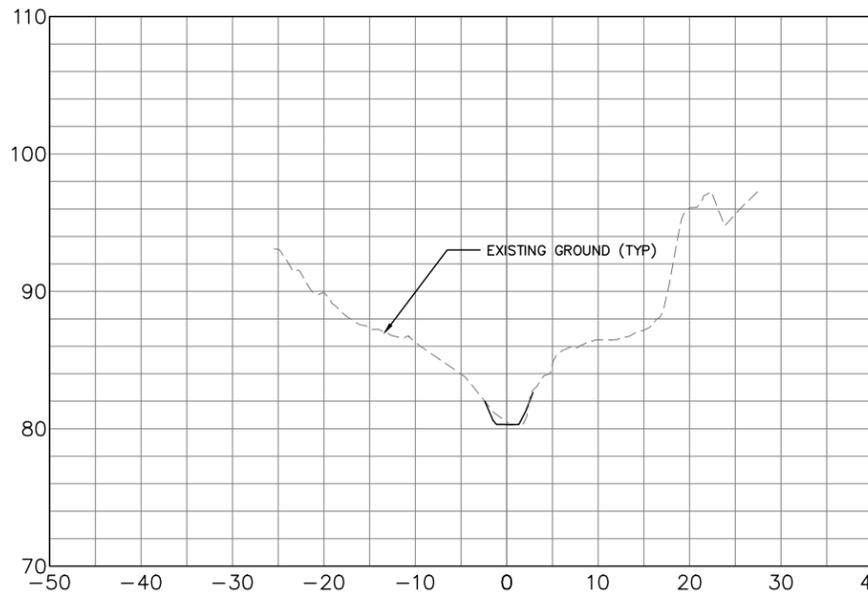
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BROOKDALE CROSS SECTIONS (4)

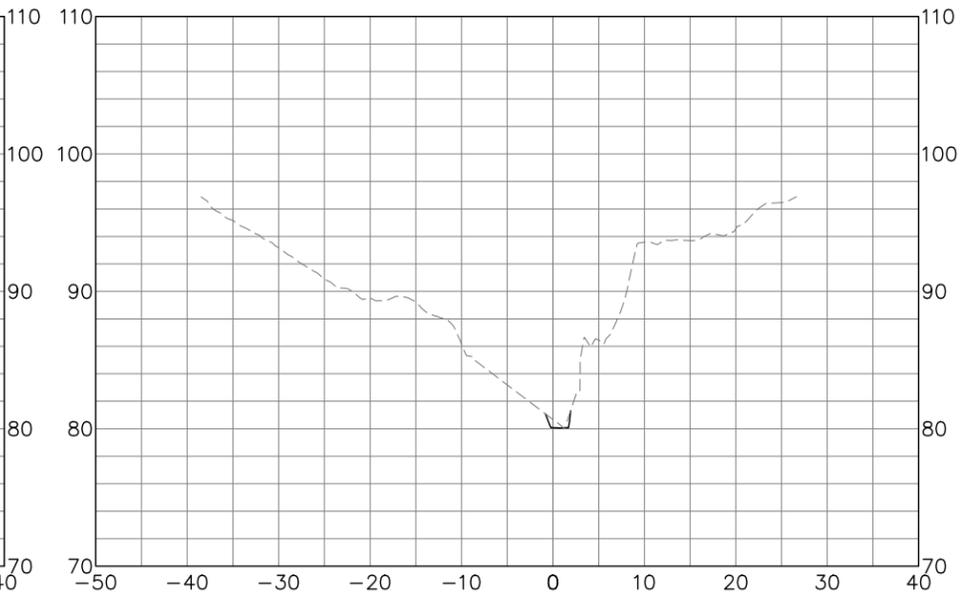
PROJECT NO.
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DATE: 12/20/2022

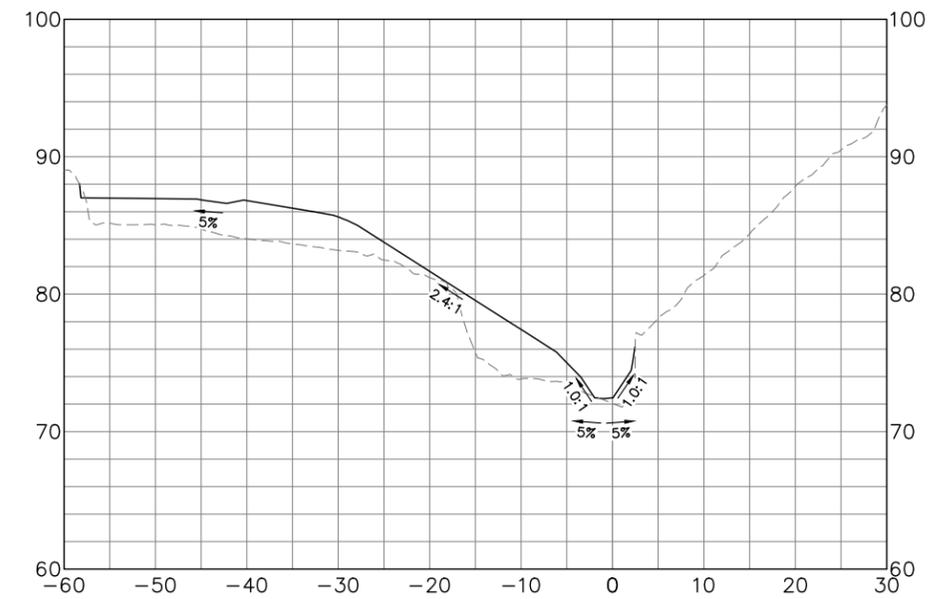
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C15
17 OF 41



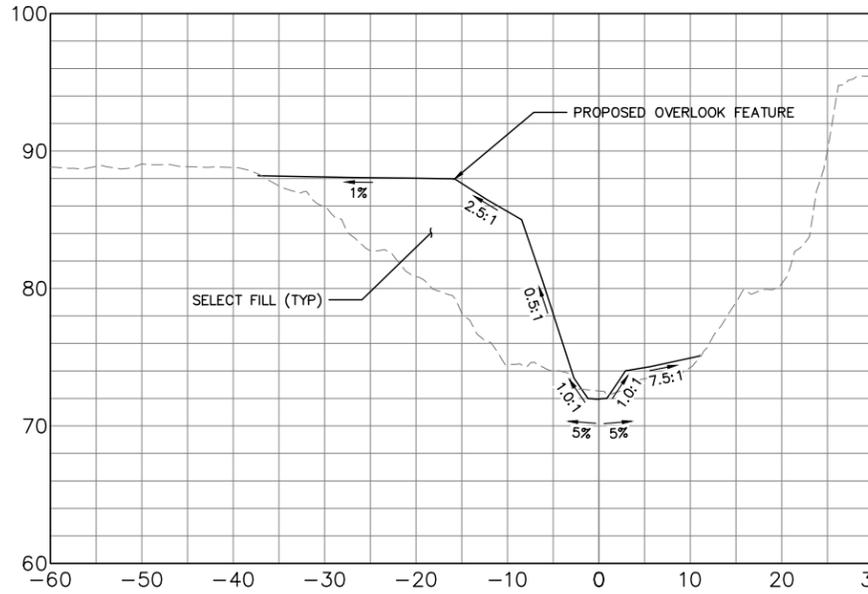
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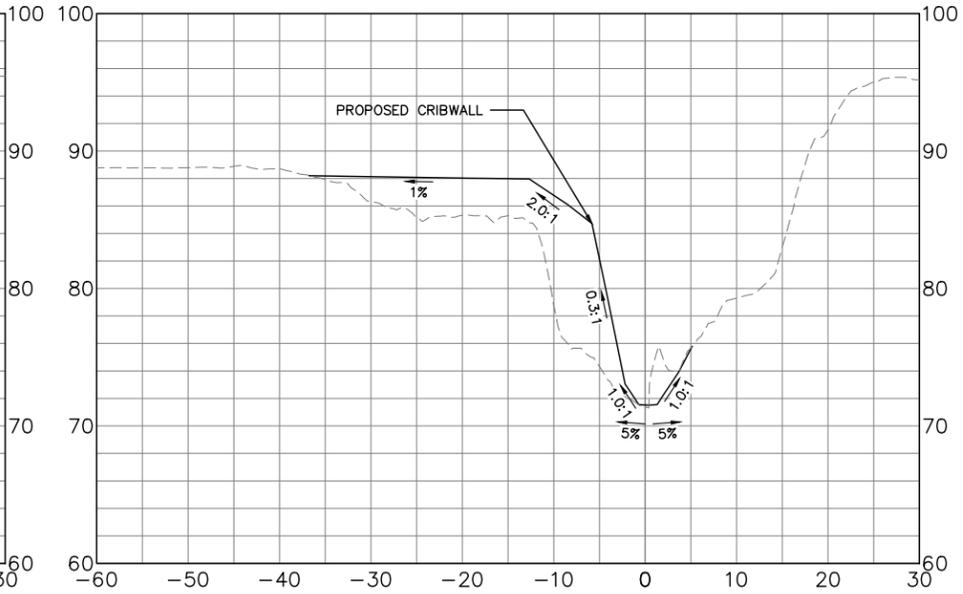
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STA 8+96



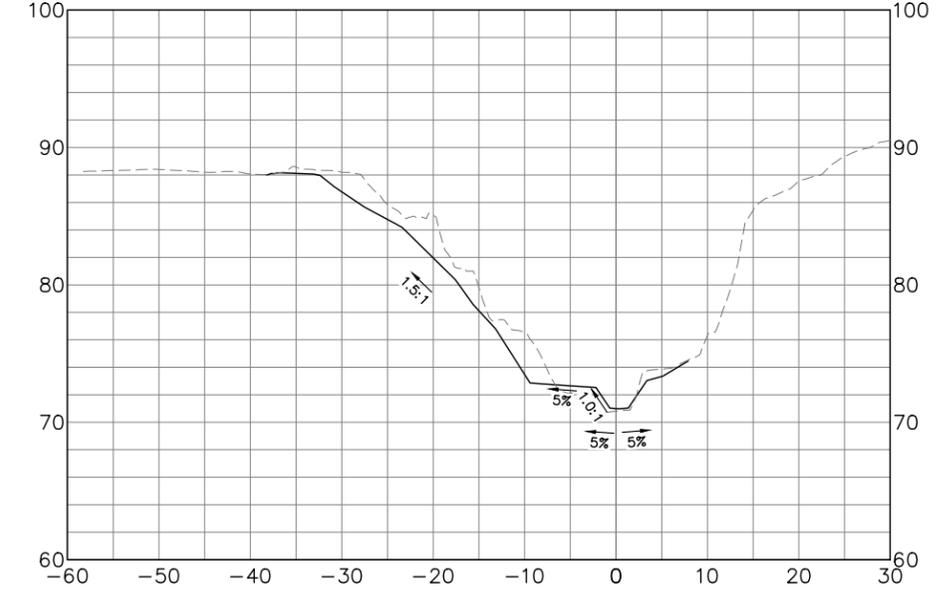
XS AA
STA 13+82



XS AB
STA 14+04



XS AC
STA 14+25



XS AD
STA 14+50



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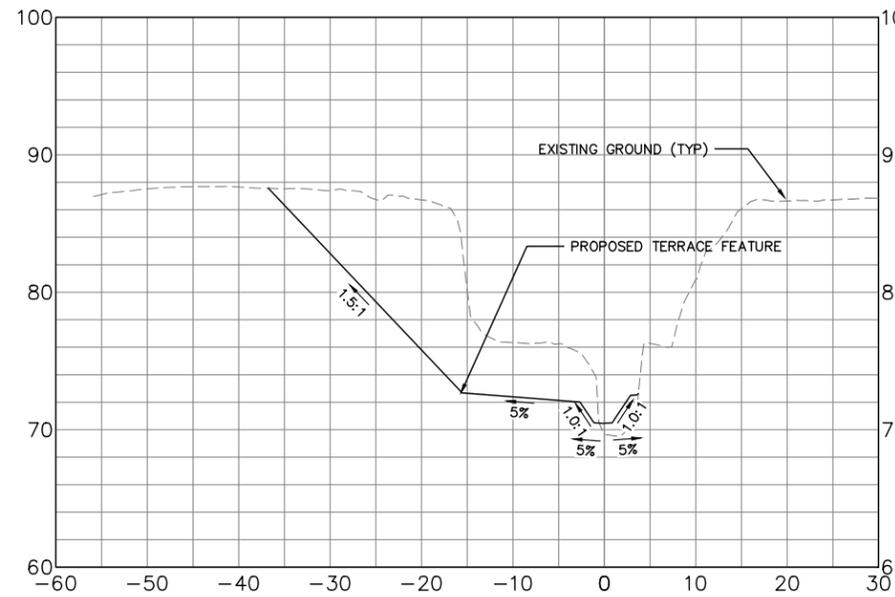
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No.	DATE	BY	REFERENCE

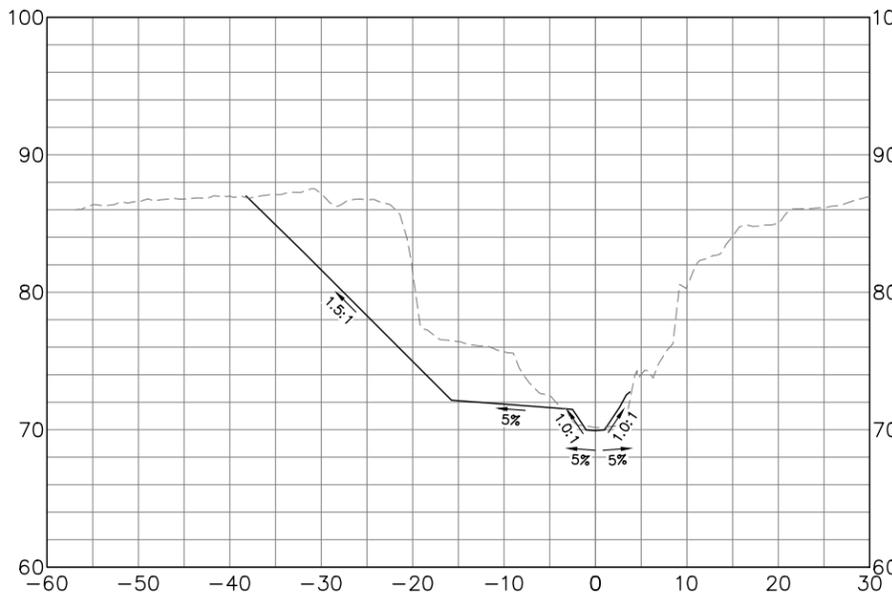
BROOKDALE AND CONGRESS CROSS SECTIONS

PROJECT NO. 1005340	
SCALE: AS SHOWN	SHEET NO. C16
HOR. VERT.	18 OF 41
DATE: 12/20/2022	

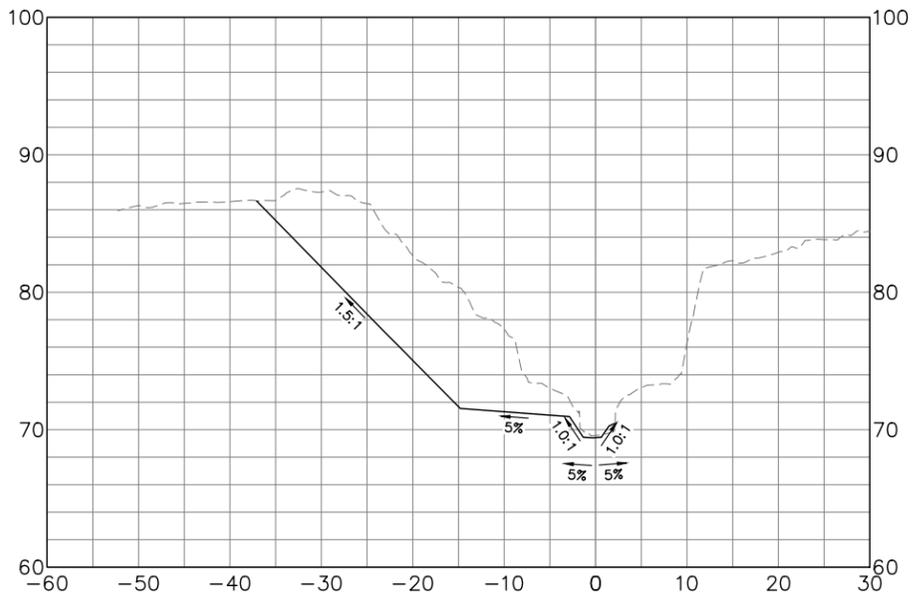
DRAWING NAME: Y:\Shared\active_projects\048-01_Courtland_Cr\CADD\DWG\Courtland_100p_Plans.dwg PLOT DATE: 12-20-22 COURTLAND CREEK RESTORATION PROJECT 100% DESIGN



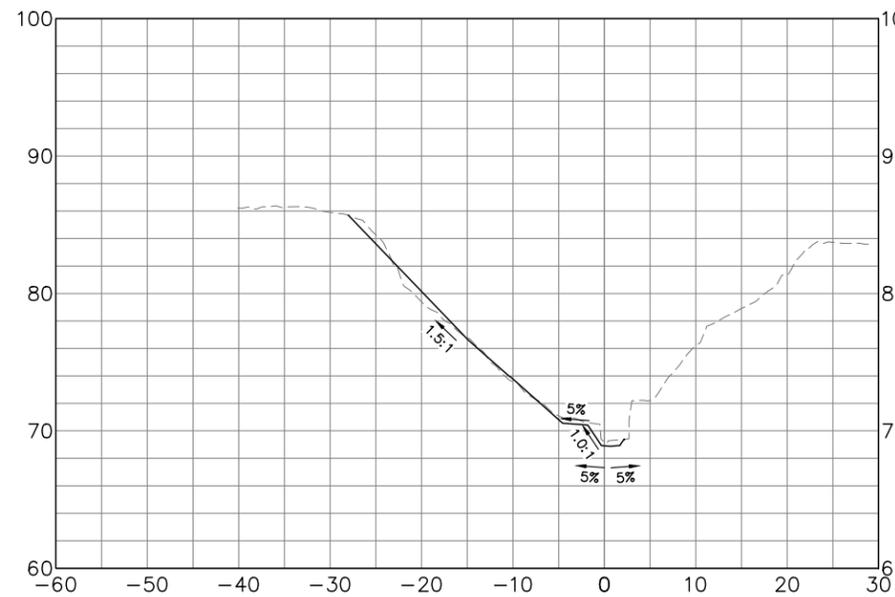
XS AE
STA 14+75



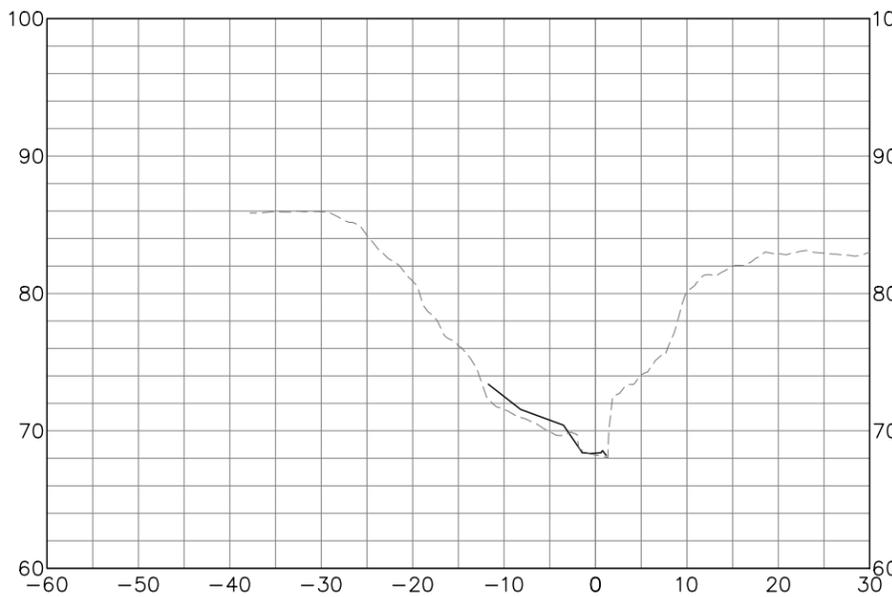
XS AF
STA 15+00



XS AG
STA 15+25



XS AH
STA 15+50



XS AI
STA 15+75



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COURTLAND CREEK RESTORATION PROJECT
100% DESIGN

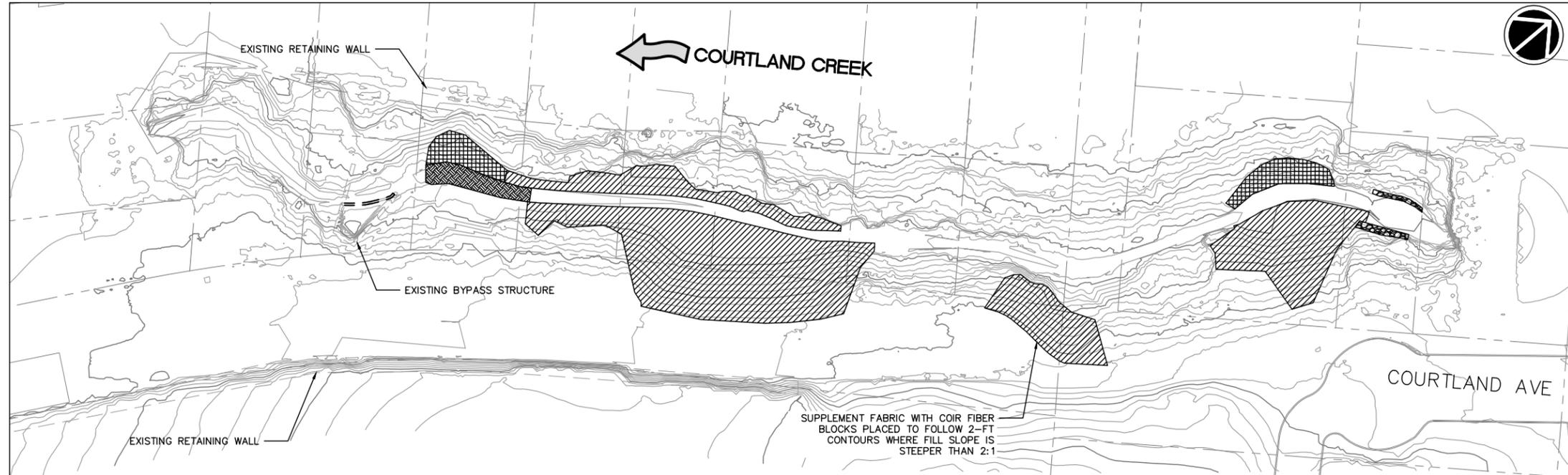
CIVIL ENGINEER	
RCE NO. _____	EXP. _____
CHECKED BY	PFRANK
DESIGNED BY	
DRAWN BY	NSTEINKE

No.	DATE	BY	REFERENCE

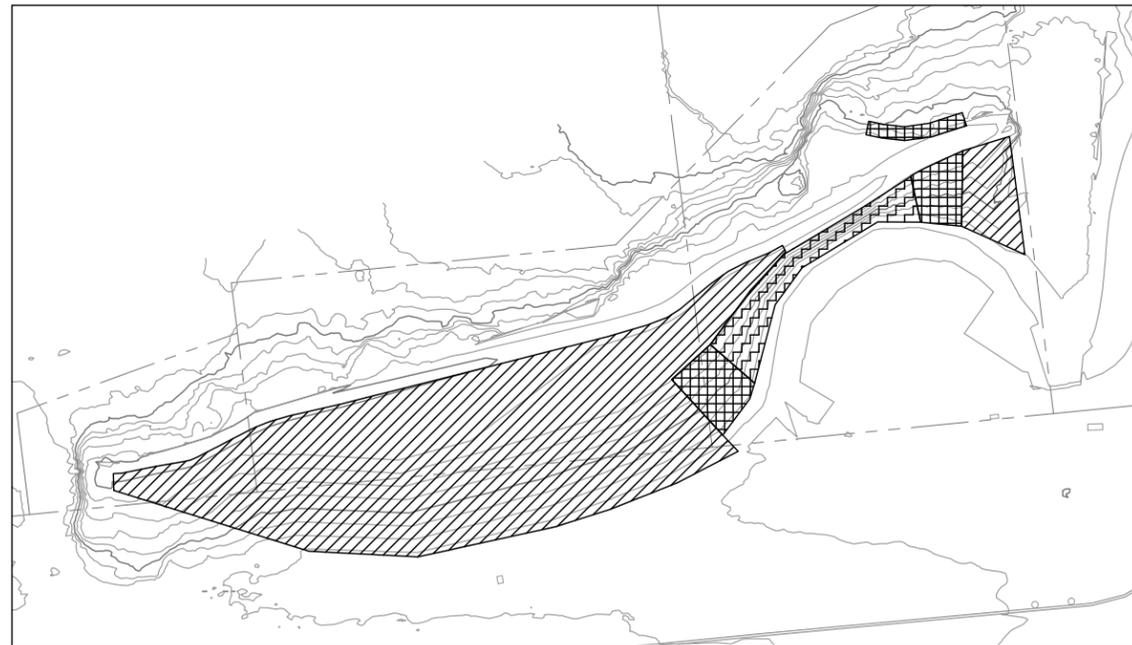
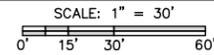
CONGRESS CROSS
SECTIONS (2)

PROJECT NO. 1005340	
SCALE: AS SHOWN HOR. VERT.	SHEET NO. C17
DATE: 12/20/2022	19 OF 41

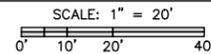
DRAWING NAME: Y:\Share\active_projects\048-01_Courtland_Cr\CADD\DWG\Courtland_100p_Plans.dwg PLOT DATE: 12-20-22



BROOKDALE REACH BANK STABILIZATION



CONGRESS REACH BANK STABILIZATION



BANK STABILIZATION LEGEND	
SYMBOL	STABILIZATION TYPE
	COIR FIBER BLOCKS
	SLOPE STABILIZATION FABRIC
	CRIBWALL
	TOE ROCK
	CASCADE STRUCTURE ROCK



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COURTLAND CREEK RESTORATION PROJECT
 100% DESIGN

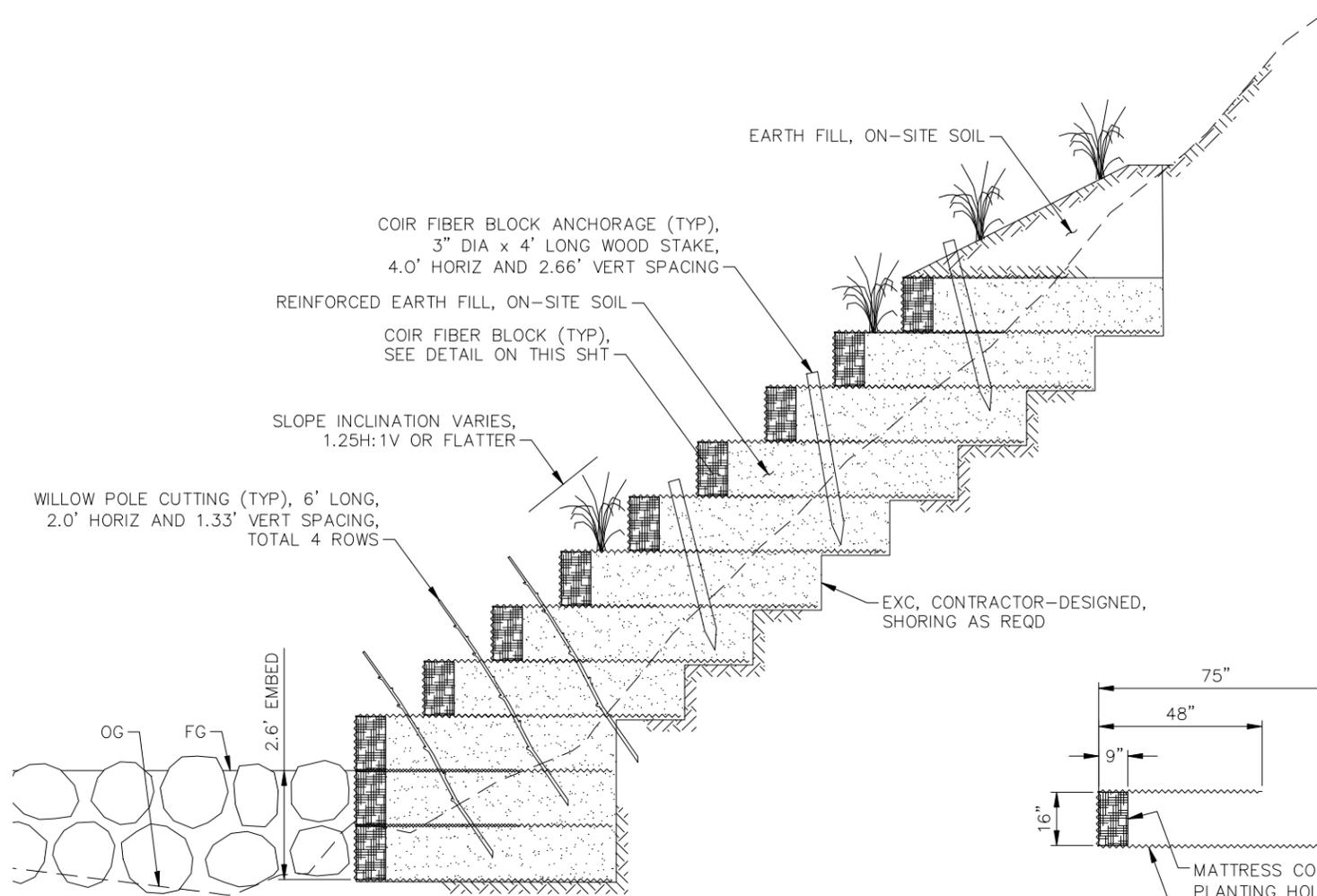
CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. _____ EXP. _____				
CHECKED BY PFRANK				
DESIGNED BY				
DRAWN BY NSTEINKE				

BANK STABILIZATION

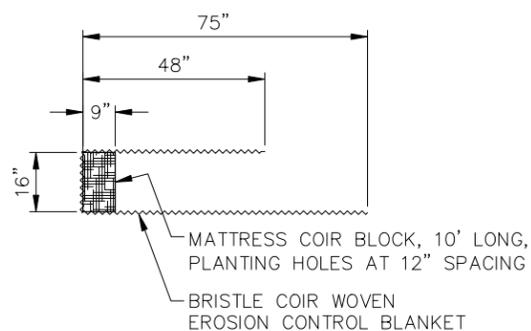
PROJECT NO.
1005340

SCALE: AS SHOWN
 HOR.
 VERT.
 DATE: 12/20/2022

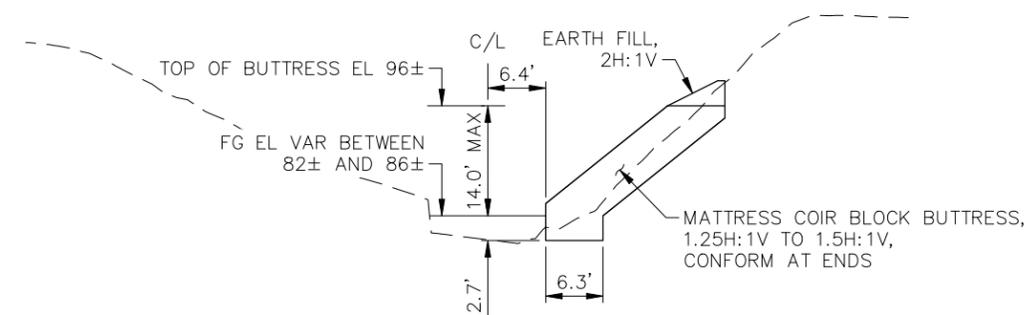
SHEET NO.
C18
 20 OF 41



MATTRESS COIR BLOCK BUTTRESS DETAIL



COIR FIBER BLOCK DETAIL



TYPICAL SECTION

NO SCALE
RIGHT STA X+XX TO X+XX

NOTES

1. COMPACT BACKFILL AND FOUNDATION IN 6 INCH LIFTS TO A MINIMUM OF 90% RELATIVE COMPACTION



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COURTLAND CREEK RESTORATION PROJECT
100% DESIGN

CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. _____ EXP. _____				
CHECKED BY _____				
DESIGNED BY _____				
DRAWN BY _____				

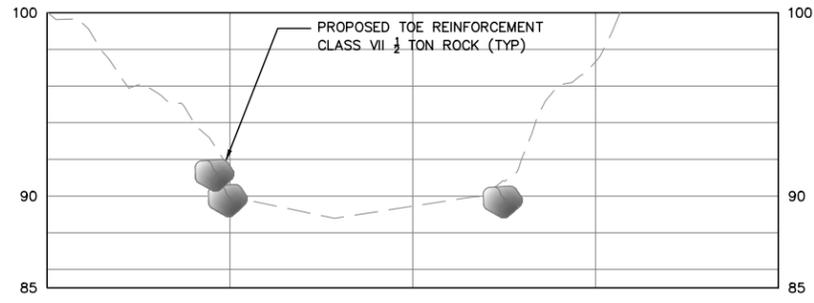
MATTRESS COIR BLOCK BUTTRESS DETAILS

PROJECT NO.
1005340

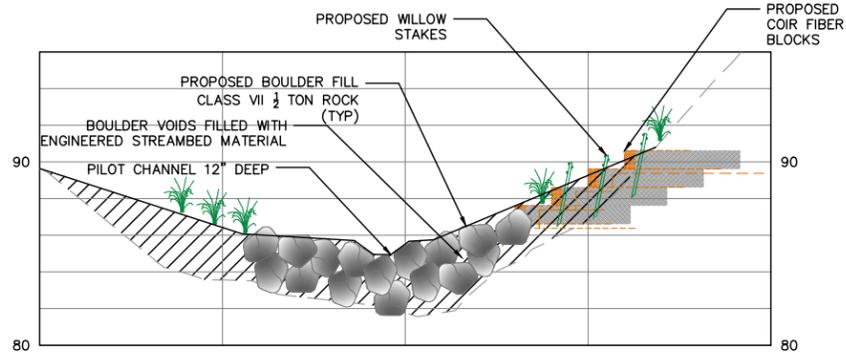
SCALE: AS SHOWN
HOR.
VERT.
DATE: 11/08/2022

SHEET NO.
C19
21 OF 41

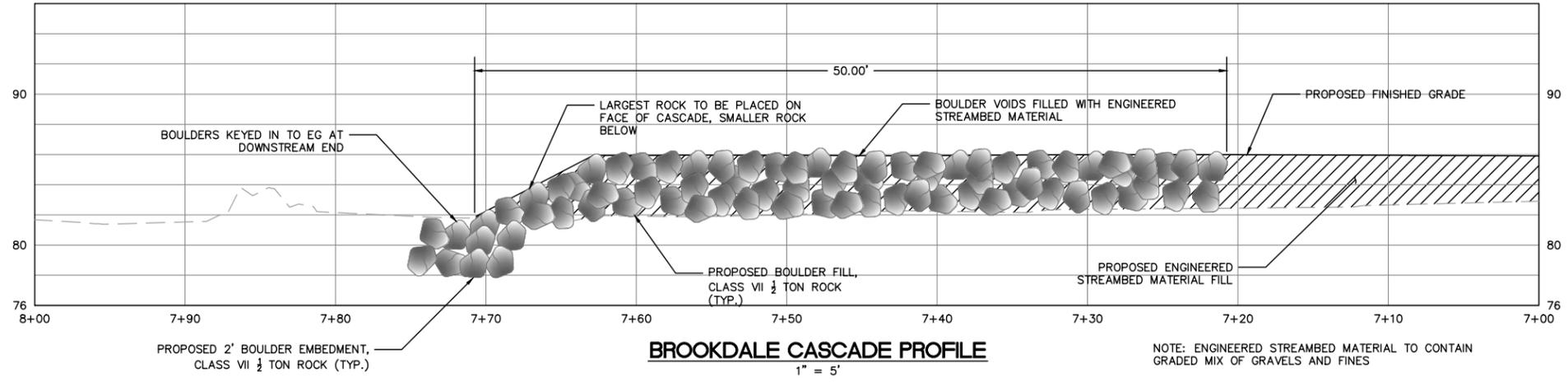
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PLOT DATE: 11-08-22
PLOTTED BY: dlongoria
COURTLAND CREEK RESTORATION PROJECT 65% DESIGN



ROCK TOE TYPICAL CROSS SECTION
 HORIZONTAL SCALE: 1" = 5'
 VERTICAL SCALE: 1" = 5'



BROOKDALE CASCADE TYPICAL CROSS SECTION
 HORIZONTAL SCALE: 1" = 5'
 VERTICAL SCALE: 1" = 5'



BROOKDALE CASCADE PROFILE
 1" = 5'

NOTE: ENGINEERED STREAMBED MATERIAL TO CONTAIN GRADED MIX OF GRAVELS AND FINES



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COURTLAND CREEK RESTORATION PROJECT
 100% DESIGN

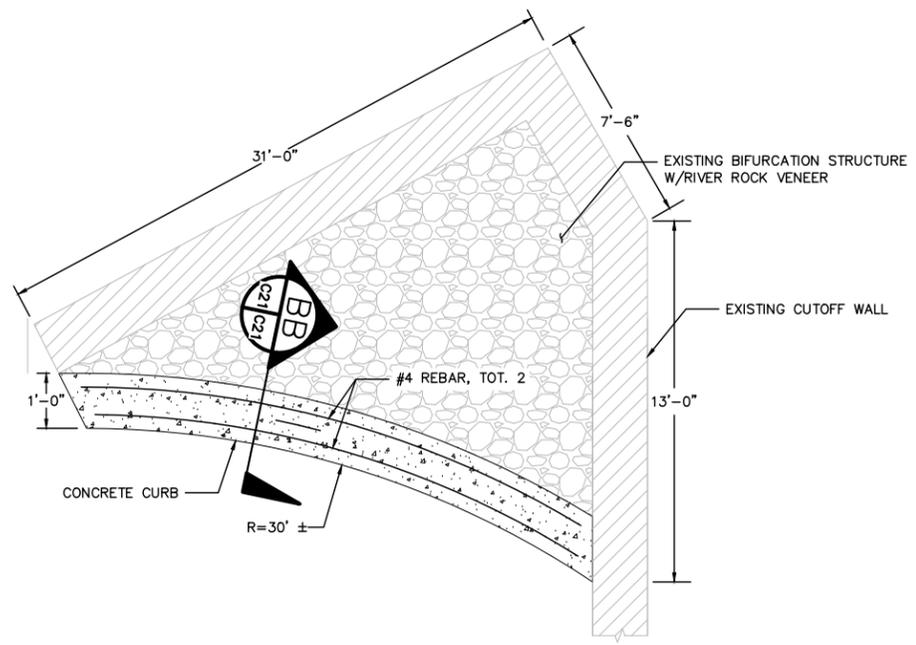
CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. _____ EXP. _____				
CHECKED BY PFRANK				
DESIGNED BY				
DRAWN BY NSTEINKE				

DETAILS (1)

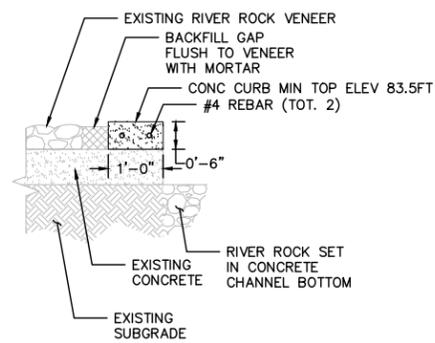
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SCALE: AS SHOWN
 HOR.
 VERT.
 DATE: 12/20/2022

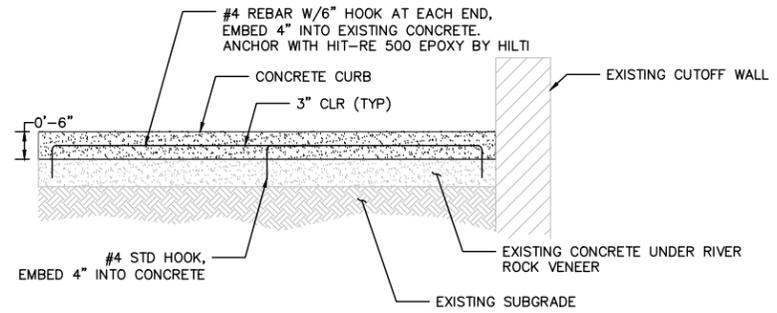
SHEET NO.
C20
 22 OF 41



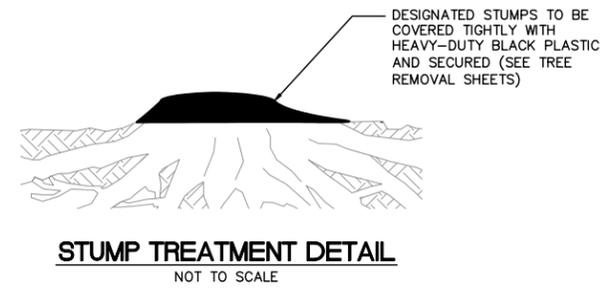
CONCRETE CURB PLAN
NOT TO SCALE



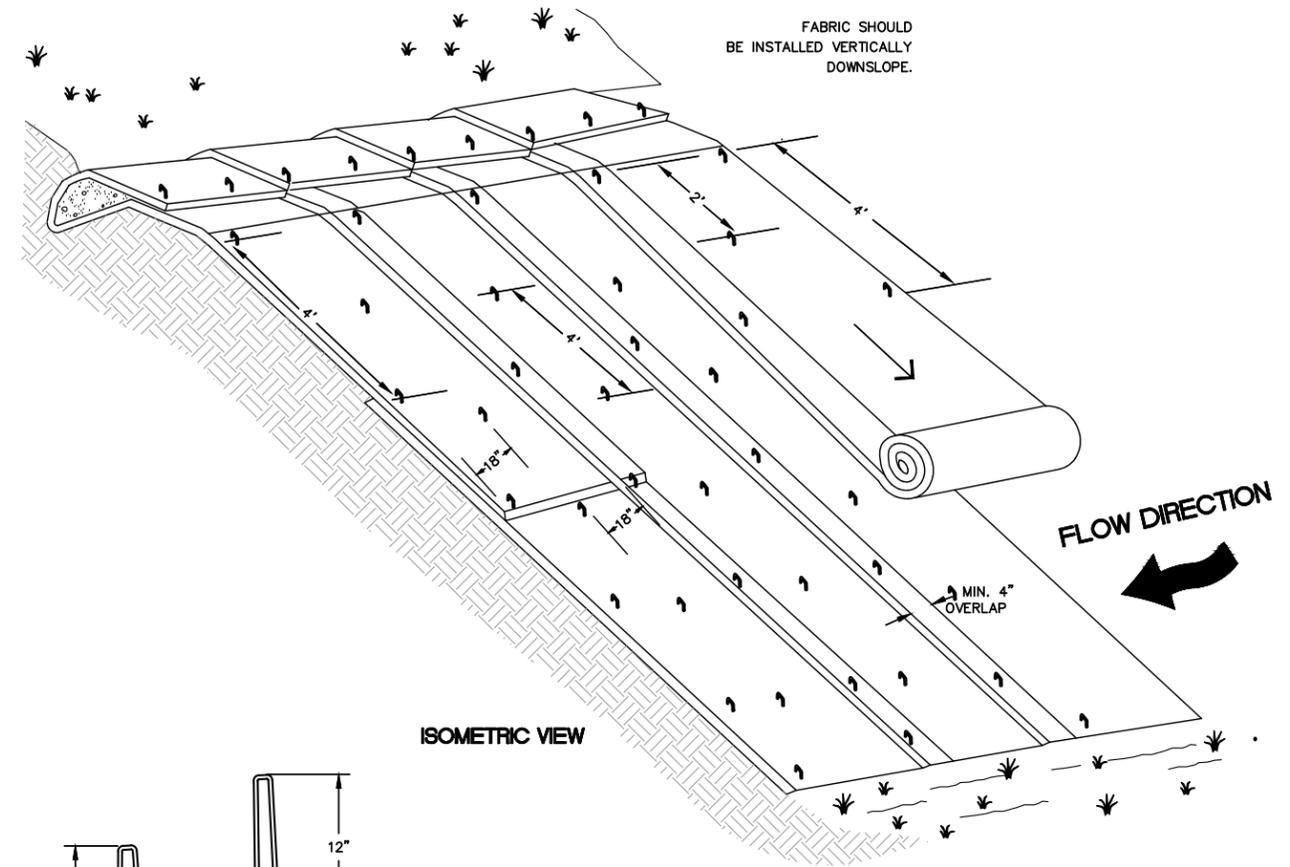
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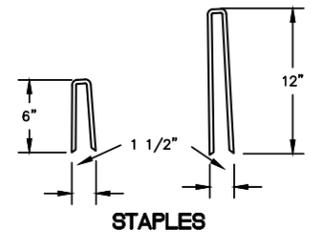
CONCRETE CURB PROFILE
NOT TO SCALE



STUMP TREATMENT DETAIL
NOT TO SCALE

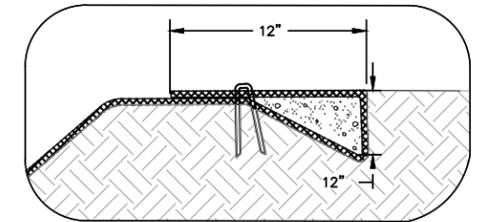


ISOMETRIC VIEW

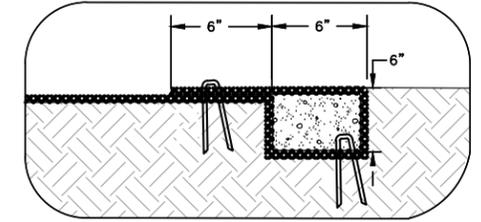


STAPLES

TYPICAL SLOPE STABILIZATION FABRIC DETAIL



TOP OF SIDE SLOPE DETAIL
NOT TO SCALE



UPSTREAM EDGE DETAIL

- NOTES:
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICK AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 2. APPLY SEEDING BEFORE PLACING FABRIC.
 3. LAY FABRIC LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
 4. STAPLE UPSTREAM EDGE AT 12" INTERVALS.



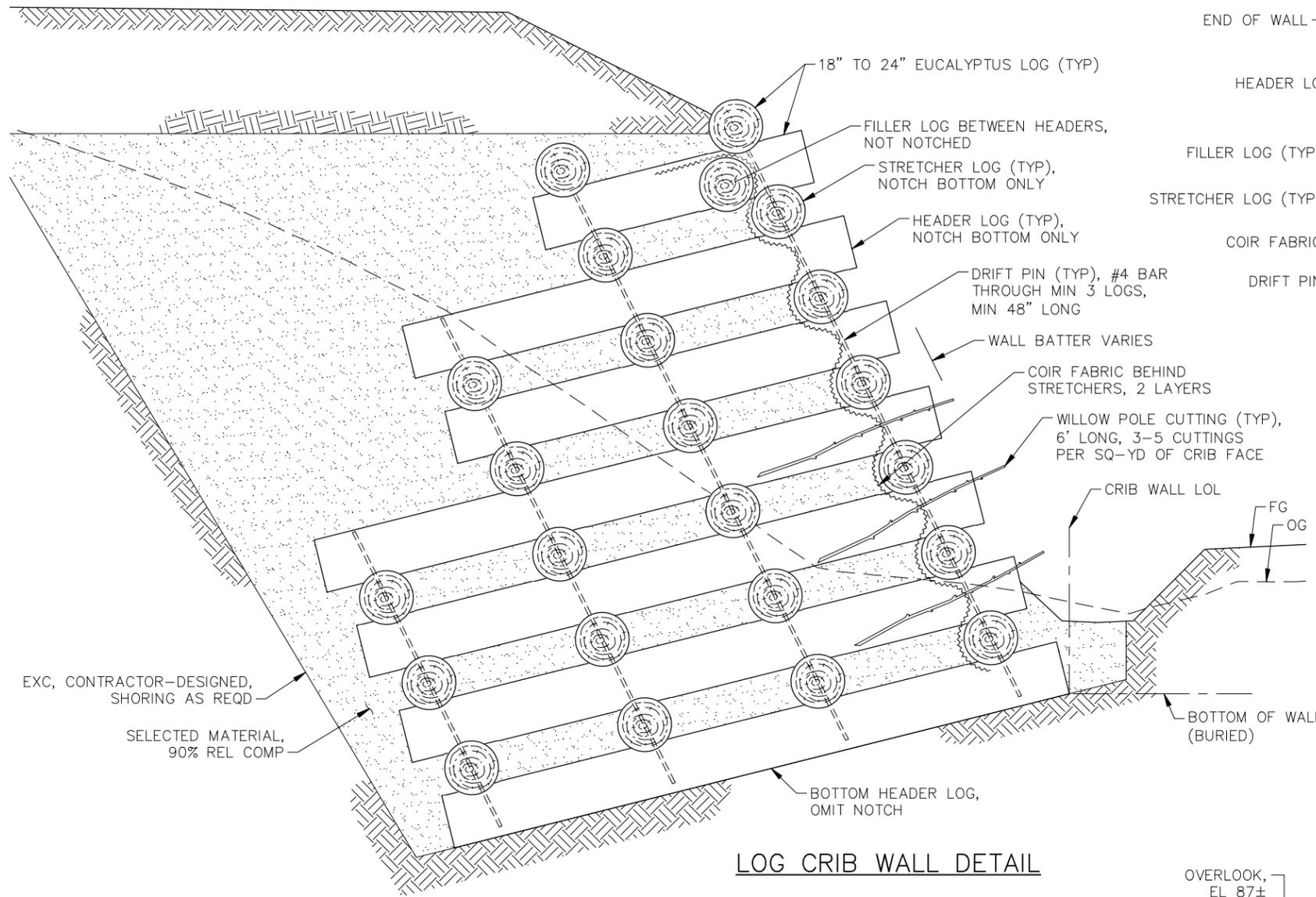
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COURTLAND CREEK RESTORATION PROJECT
100% DESIGN

CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. _____ EXP. _____				
CHECKED BY PFRANK				
DESIGNED BY				
DRAWN BY NSTEINKE				

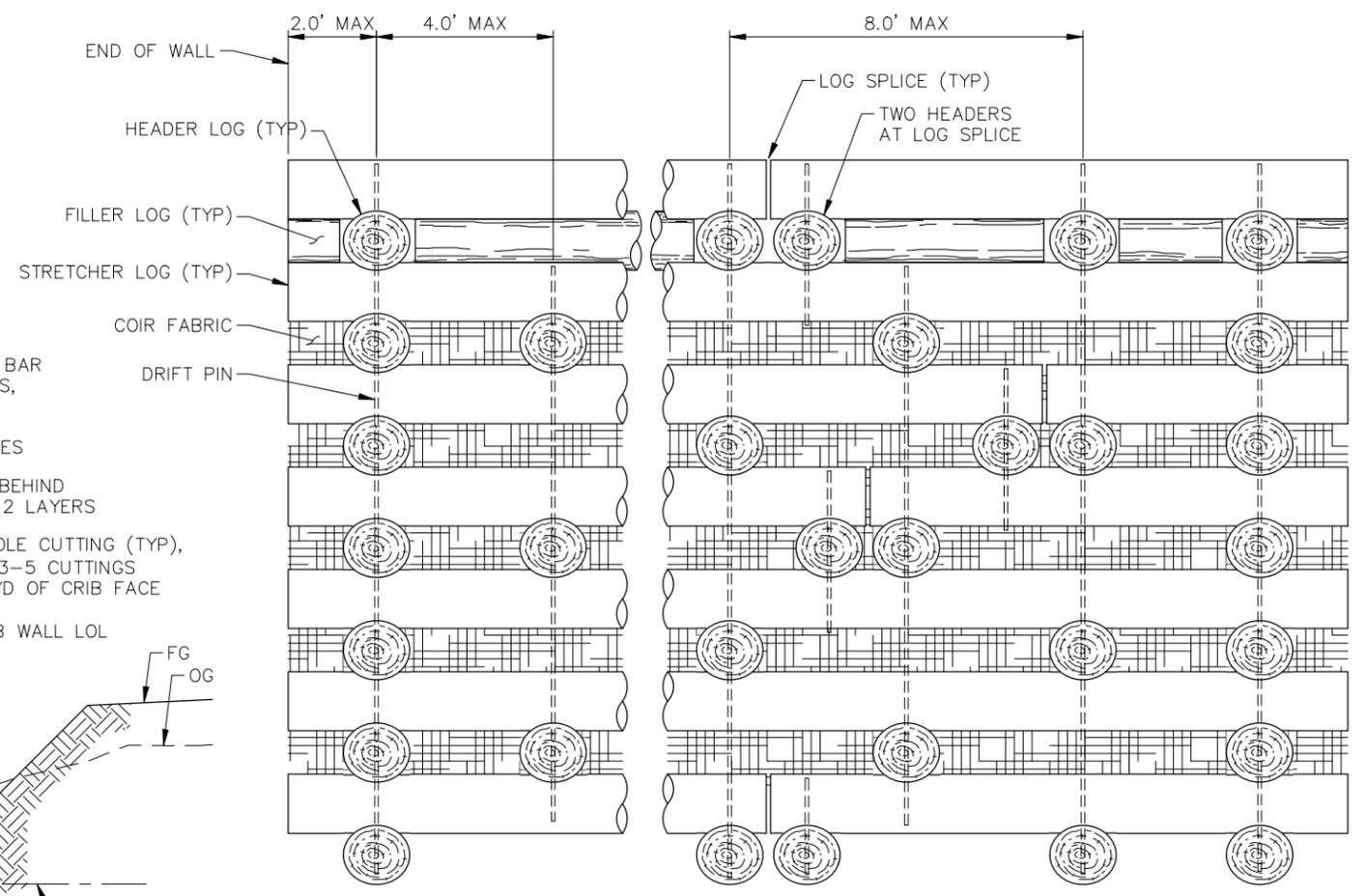
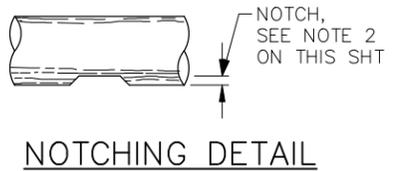
DETAILS (2)

PROJECT NO. 1005340	
SCALE: AS SHOWN	SHEET NO.
HOR.	C21
VERT.	
DATE: 12/20/2022	23 OF 41



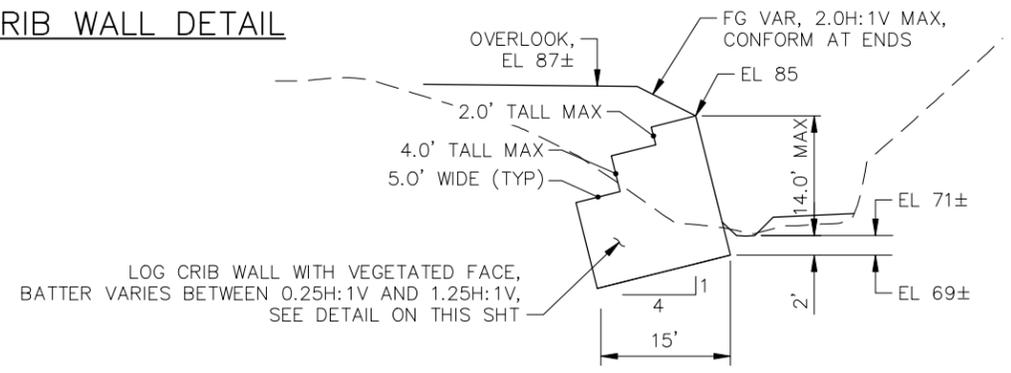
EXC, CONTRACTOR-DESIGNED, SHORING AS REQD

SELECTED MATERIAL, 90% REL COMP



PARTIAL ELEVATION

LOG CRIB WALL DETAIL



TYPICAL SECTION
NO SCALE

NOTES

1. THE CENTER OF EACH LOG SHALL DEVIATE NO MORE THAN 2 INCHES FROM A STRAIGHT LINE BETWEEN THE CENTERS OF THE ENDS OF THE LOG.
2. NOTCH LOGS BETWEEN 1/4 AND 1/3 OF THE LOG DIAMETER. VARY NOTCH DEPTH AND WIDTH AS REQUIRED TO OBTAIN SNUG FIT. MAX 1-INCH SPACE BETWEEN FILLER LOG AND FACE STRETCHER LOG.
3. PRE-DRILL HOLES FOR DRIFT PINS AND OTHER FASTENERS TO PREVENT SPLITTING OF LOGS.
4. RECESS TOP END OF REBAR 1/2 INCH INTO TOP OF LOG. PLACE REBAR A MINIMUM OF 12 INCHES FROM EACH END OF LOG WITH MAXIMUM REBAR SPACING SHOWN.
5. COMPACT BACKFILL AND FOUNDATION IN 6 INCH LIFTS TO A MINIMUM OF 90% RELATIVE COMPACTION



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COURTLAND CREEK RESTORATION PROJECT
100% DESIGN

CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. _____ EXP. _____				
CHECKED BY _____				
DESIGNED BY _____				
DRAWN BY _____				

LOG CRIB WALL
DETAILS

PROJECT NO.
1005340

SCALE: AS SHOWN
HOR.
VERT.

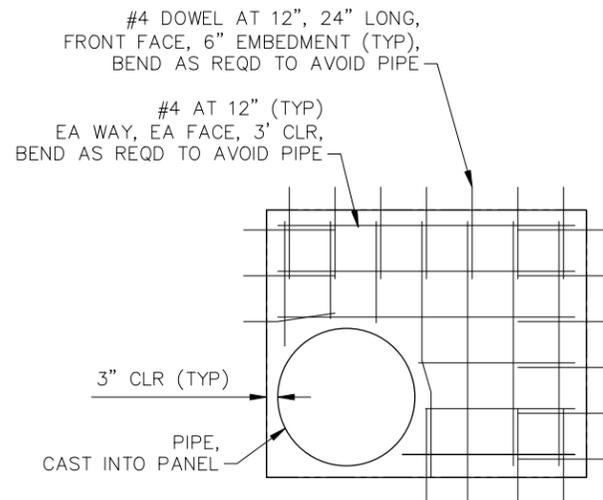
SHEET NO.
C22

DATE: 11/24/2022 24 OF 41

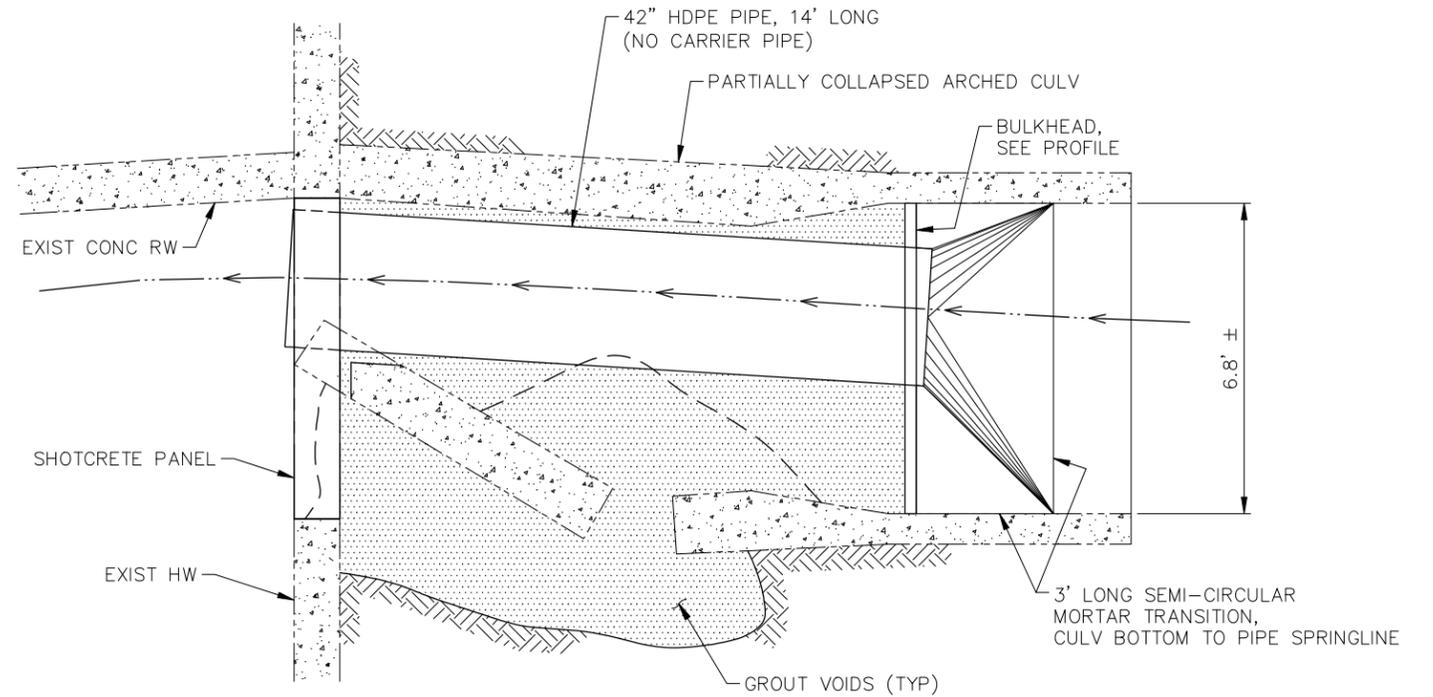
DRAWING NAME: M:\2019\191091-FlowWest-CourtlandCreekRestoration-PR2-AutoCAD\Sheets\C-16-LOG-CRIB-WALL.dwg PLOT DATE: 11-24-22 PLOTTED BY: jlongoria

NOTES

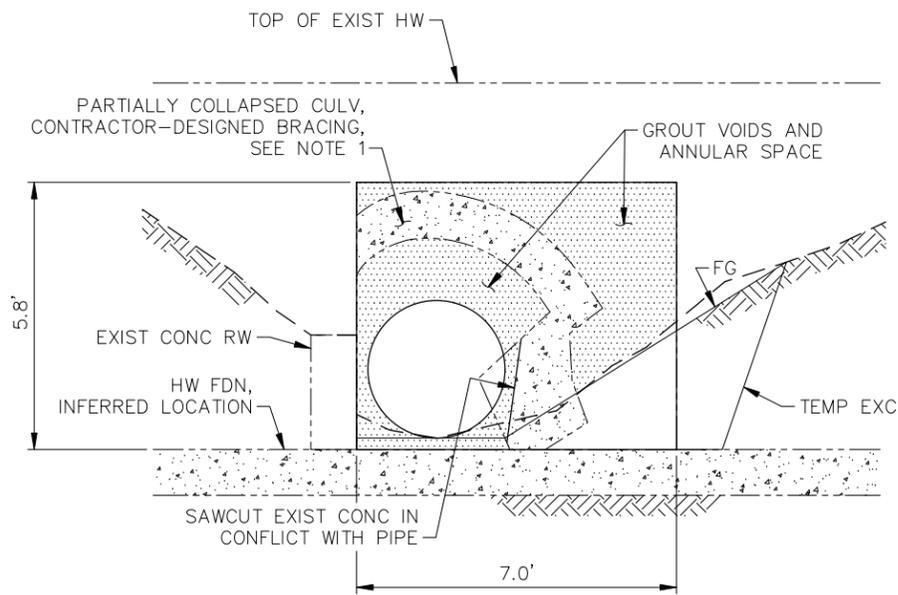
1. THE EXISTING CULVERT IS PARTIALLY COLLAPSED AND IS UNSTABLE. THE COLLAPSED PORTION SHALL NOT BE REMOVED UNLESS SHOWN OTHERWISE.
2. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING OF THE COLLAPSED CULVERT FOR WORKER PROTECTION, AS REQUIRED TO COMPLETE THE WORK, AND AS DIRECTED BY THE ENGINEER.
3. THE EXISTING CULVERT FOUNDATION CONDITIONS ARE UNKNOWN. CONTRACTOR SHALL REMOVE SEDIMENT AS REQUIRED TO PROVIDE A MINIMUM OF 3" OF GROUT AROUND THE PIPE OR TO EXPOSE A CONCRETE FOUNDATION, IF PRESENT.
4. SUPPORT CRADLES SHALL BE USED TO MAINTAIN THE CORRECT POSITION OF THE PIPE. THE SUPPORT CRADLES SHALL BE DESIGNED BY THE CONTRACTOR.
5. THE ANNULUS BETWEEN THE PIPE AND THE EXISTING CULVERT AND VOIDS SURROUNDING THE EXISTING CULVERT SHALL BE CONTACT GROUTED. GROUT SHALL CONSIST OF A SAND-CEMENT MORTAR MIX WITH A MINIMUM 28-DAY UNCONFINED COMPRESSIVE STRENGTH OF 1,000 PSI. GROUT SHALL BE INJECTED THROUGH TWO GROUT PORTS, EVENLY DISTRIBUTED ALONG THE LENGTH OF THE PIPE. GROUT PORTS POSITIONS SHALL ALTERNATE BETWEEN THE 2 AND 10 O'CLOCK POSITION. DRILLING HOLES FROM THE SURFACE IS NOT ALLOWED. PRESSURES SHALL BE LIMITED TO PREVENT DAMAGE OR DISTORTION TO THE STEEL PIPE AND TO PREVENT HEAVE OF THE GROUND SURFACE ABOVE THE EXISTING CULVERT OR FRAC-OUT AND RELEASE OF CONTACT GROUT INTO THE CREEK. GROUT SHALL BE PUMPED UNTIL MATERIAL DISCHARGING IS SIMILAR IN CONSISTENCY TO THAT AT POINT OF INJECTION. THE DISCHARGE LOCATION SHALL BE LOCATED WITHIN THE UPPER 6" OF THE SHOTCRETE PANEL.



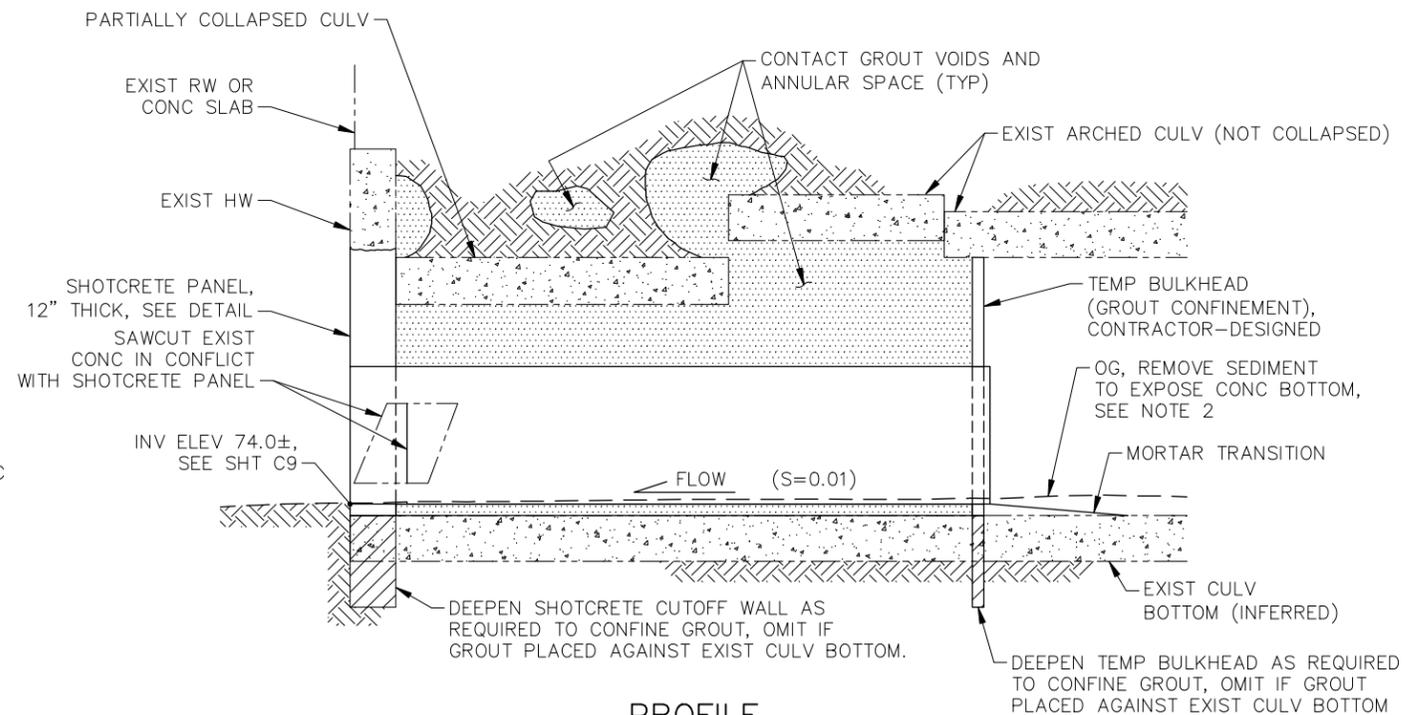
SHOTCRETE PANEL



PLAN



ELEVATION



PROFILE



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COURTLAND CREEK RESTORATION PROJECT
100% DESIGN

CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. _____ EXP. _____				
CHECKED BY _____				
DESIGNED BY _____				
DRAWN BY _____				

CULVERT REPAIR
DETAILS

PROJECT NO.
1005340

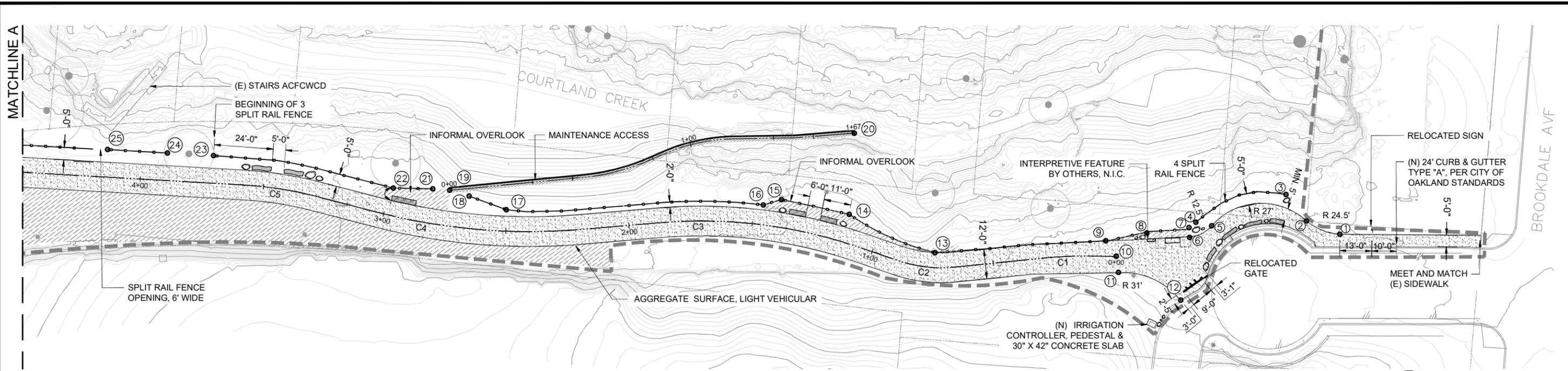
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HOR. VERT.

DATE: 11/08/2022

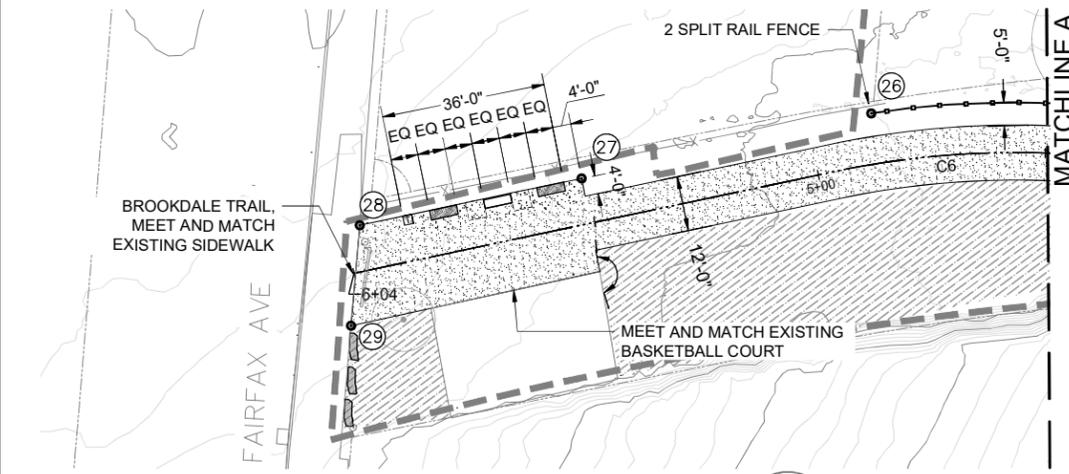
SHEET NO.
C23

25 OF 41

DRAWING NAME: M:\2019\191091-FlowWest-CourtlandCreekRestoration-P12-AutoCAD\Sheets\C-23-CULVERT-REPAIR.dwg PLOTTED BY: jlongoria 11-08-22



UPPER BROOKDALE REACH



LOWER BROOKDALE REACH



LEGEND

- EASEMENT / PARCEL
- - - - - LIMIT OF WORK
- MAJOR CONTOUR
- MINOR CONTOUR
- [Stippled Area] AGGREGATE SURFACE
- [Hatched Area] GENERAL MULCH (2" DEPTH)
- [Hatched Area] MAINTENANCE ACCESS
- [Symbol] PINNED LOG
- [Symbol] LOG SEATING
- [Symbol] SITE BOULDER
- [Symbol] METAL BENCH WITH COMPANION SEATING CLEARANCE
- [Symbol] CONCRETE SPLIT RAIL FENCE
- [Symbol] TRASH RECEPTACLE
- [Symbol] EXISTING TREE TO REMAIN

POINT LAYOUT TABLE

Point #	Raw Description	Northing	Easting
1	BEGINNING OF CURVE	12111544.78	16069409.75
2	START OF CURVE	22111538.99	26069396.42
3	4 RAIL FENCE END	32111540.62	36069383.01
4	4 RAIL FENCE END	42111506.80	46069365.23
5	END OF CURVE	52111510.36	56069370.75
6	END OF CURVE	62111500.71	66069367.79
7	3 RAIL FENCE END	72111503.33	76069364.81
8	3 RAIL CORNER	82111489.66	86069354.33
9	3 RAIL FENCE CORNER	92111475.66	96069344.85
10	TRAIL CENTERLINE	102111474.25	106069352.25
11	START OF CURVE	112111470.30	116069357.53
12	END OF CURVE AT (E) CURB	122111480.33	126069383.27
13	3 RAIL FENCE CORNER	132111423.17	136069299.55
14	3 RAIL FENCE CORNER	142111409.38	146069264.12
15	3 RAIL FENCE CORNER	152111394.06	156069240.54

Point #	Raw Description	Northing	Easting
16	3 RAIL FENCE CORNER	162111387.33	166069236.91
17	3 RAIL FENCE CORNER	172111312.06	176069164.92
18	3 RAIL FENCE END	182111305.26	186069150.44
19	MAINTENANCE TRAIL CENTERLINE BEGINNING	192111301.33	196069143.21
20	MAINTENANCE TRAIL CENTERLINE END	202111433.90	206069242.30
21	3 RAIL FENCE END	212111296.86	216069138.00
22	3 RAIL FENCE CORNER	222111285.73	226069126.51
23	3 RAIL FENCE END	232111243.23	236069065.92
24	3 RAIL FENCE END	242111230.70	246069052.04
25	3 RAIL FENCE END	252111214.50	256069033.97
26	2 RAIL FENCE END	262111161.07	266068981.67
27	CORNER OF AGGREGATE	272111106.07	276068947.18
28	CORNER OF AGGREGATE AT SIDEWALK	282111064.37	286068920.31
29	CORNER OF AGGREGATE AT SIDEWALK	292111047.59	296068934.54

Curve Table: BROOKDALE REACH TRAIL CENTERLINE

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	151.00	15.93	S42° 01' 24.97"W	(6069331.08,2111461.01)	(6069320.42,2111449.18)
C2	56.00	24.04	S51° 17' 56.07"W	(6069297.44,2111420.81)	(6069278.83,2111405.89)
C3	198.00	81.70	S51° 46' 30.03"W	(6069264.19,2111398.62)	(6069200.46,2111348.43)
C4	248.00	83.89	S49° 38' 40.12"W	(6069179.73,2111323.68)	(6069116.11,2111269.62)
C5	152.00	29.95	S53° 41' 25.62"W	(6069094.93,2111257.06)	(6069070.84,2111239.36)
C6	191.00	50.88	S40° 24' 55.85"W	(6069005.85,2111180.94)	(6068972.96,2111142.32)

- NOTES**
1. PROVIDE SHOP DRAWINGS AND AS-BUILTS AS NOTED IN SPECIFICATIONS.
 2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS ON THE SITE AND NOTIFY O.R. OF ALL DISCREPANCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING MINOR SITE ADJUSTMENTS TO GRADING, ALIGNMENT, AND LAYOUT TO PROPOSED SITE IMPROVEMENTS AT NO COST TO THE OWNER.
 3. DIMENSIONS AS SHOWN ARE TO BE VERIFIED WITH THE O.R. PRIOR TO INSTALLING THE IMPROVEMENTS. IF MINOR FIELD ADJUSTMENTS ARE REQUIRED, THEY SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE OWNER.
 4. SITE IMPROVEMENTS INCLUDING BUT NOT LIMITED TO: FENCES, BOULDERS, PINNED LOGS, SHALL BE STAKED IN THE FIELD FOR REVIEW AND APPROVAL BY O.R. PRIOR TO INSTALLATION.



COURTLAND CREEK RESTORATION PROJECT
100% DESIGN

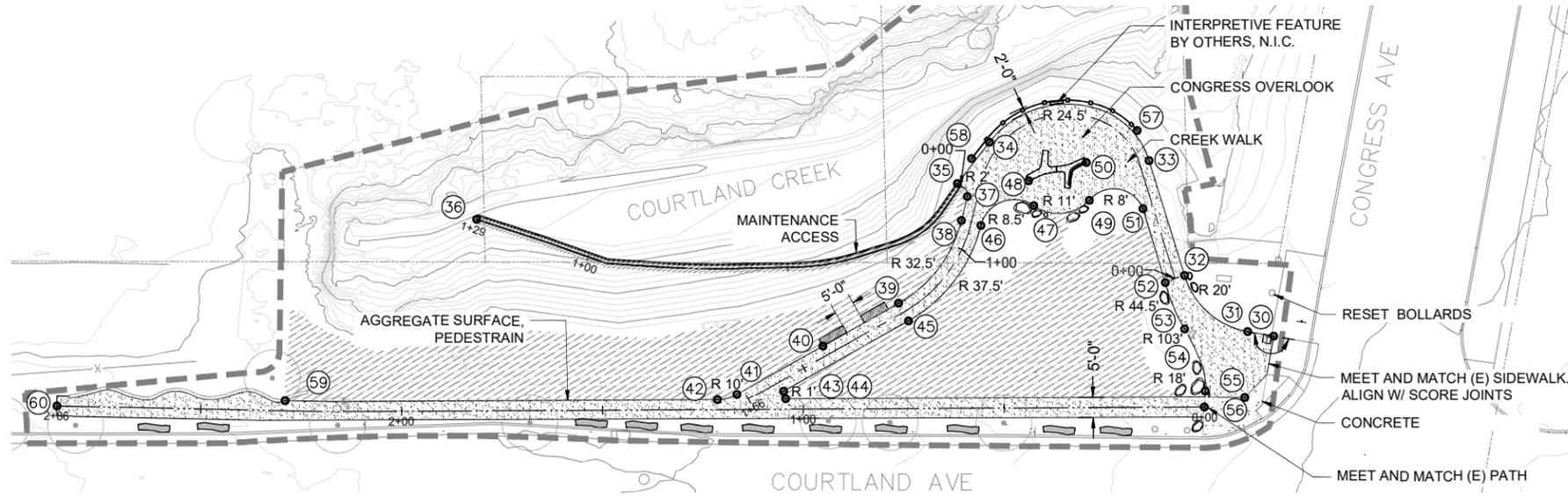


CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. _____ EXP. _____	---	---	---	---
CHECKED BY ES				
DESIGNED BY ES, TE, KB				
DRAWN BY TE, KB				

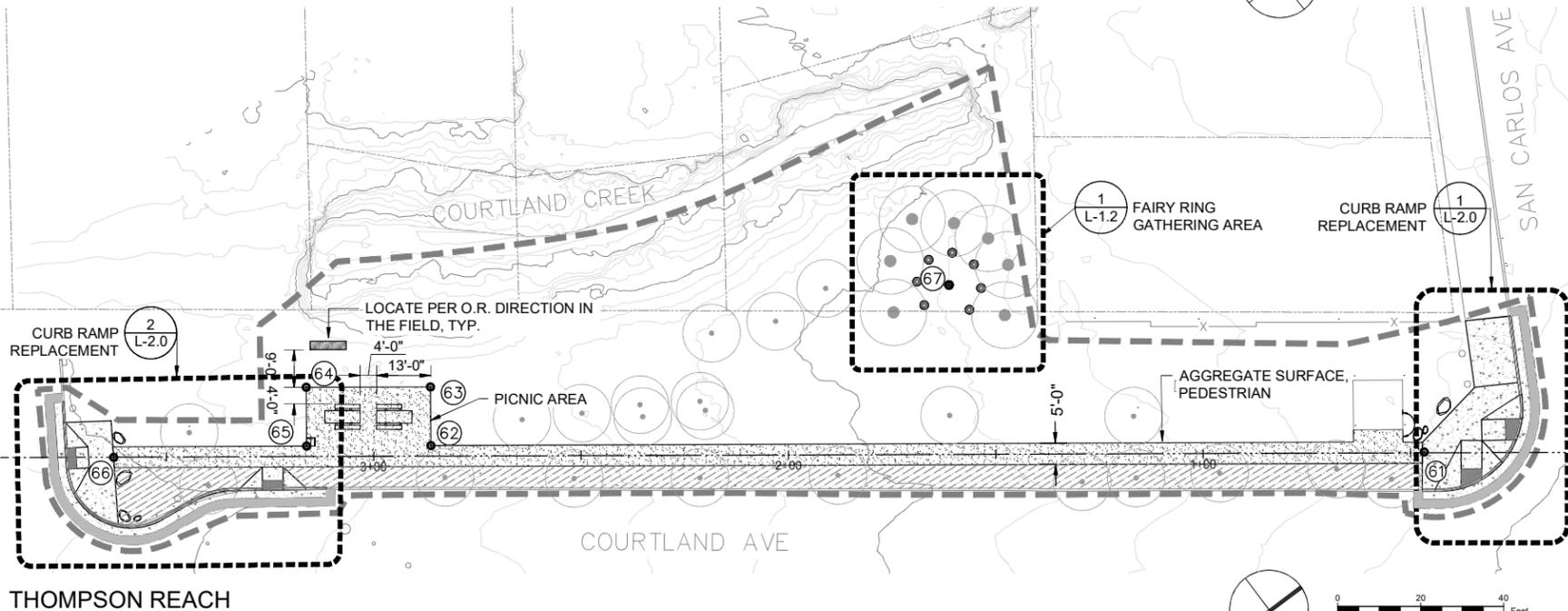
TRAIL AND CREEK ACCESS LAYOUT

PROJECT NO. 1005340	
SCALE: 1" = 20'-0" HOR. VERT.	SHEET NO. L-1.0
DATE: DEC 1, 2022	26 OF 41

DRAWING NAME: C:\Users\jggestor\restoration design group\projects - documents\courtland creek\04 autocad\working drawings\sheet\COURT-LAY.dwg 12/01/22



CONGRESS REACH



THOMPSON REACH

LEGEND

- EASEMENT/PARCEL
- LIMIT OF WORK
- MAJOR CONTOUR
- MINOR CONTOUR
- AGGREGATE SURFACE
- CONCRETE PAVING
- GENERAL MULCH (2" DEPTH)
- MAINTENANCE ACCESS
- PINNED LOG
- LOG SEATING
- REDWOOD ROUNDS
- 6 L-3.0
- 7 L-3.0
- 5 L-3.0
- 4 L-3.0
- 2 L-3.1
- 3 L-3.1
- 4 L-3.1
- 1 L-3.2
- SITE BOULDER
- CONCRETE BENCH
- PICNIC TABLE
- CONCRETE SPLIT RAIL FENCE
- TRASH RECEPTACLE
- EXISTING TREE TO REMAIN

POINT LAYOUT TABLE

POINT TABLE			
Point #	Raw Description	Northing	Easting
30	CORNER OF AGGREGATE AT SIDE WALK /CORNER OF TRASH RECEPTACLE	302110786.87	306068742.68
31	BEGINNING OF CURVE	312110782.57	316068737.70
32	END OF CURVE	322110779.23	326068716.97
33	BEGINNING OF CURVE	332110790.43	336068689.33
34	END OF CURVE	342110762.55	346068660.64
35	CORNER OF AGGREGATE/ BEGINNING OF MAINTENANCE TRAIL	352110749.90	356068663.52
36	MAINTENANCE TRAIL CENTERLINE END	362110651.64	366068594.61
37	END OF CURVE	372110749.78	376068667.58
38	BEGINNING OF CURVE	382110744.89	386068671.24
39	END OF CURVE	392110719.75	396068677.21
40	CORNER OF BENCH	402110698.46	406068673.52
41	BEGINNING OF CURVE	412110674.28	416068669.27
42	END OF CURVE	422110669.72	426068667.19
43	BEGINNING OF CURVE	432110683.00	436068677.78
44	END OF CURVE	442110683.80	446068676.02
45	BEGINNING OF CURVE	452110718.88	456068682.18
46	END OF CURVE	462110747.82	466068675.29
47	END OF CURVE	472110761.13	476068679.79
48	CORNER OF BENCH	482110764.06	486068674.20
49	END OF CURVE	492110772.70	496068687.54
50	CORNER OF BENCH	502110778.04	506068679.79
51	END OF CURVE	512110781.70	516068697.59
52	BEGINNING OF CURVE	522110774.41	526068715.31
53	END OF CURVE	532110770.83	536068727.26
54	END OF CURVE	542110765.05	546068742.44
55	CORNER OF AGGREGATE AND CONCRETE	552110771.65	556068749.90
56	TRAIL CENTERLINE CONCRETE AT AGGREGATE	562110762.37	566068745.36
57	3 RAIL ENCE END	572110792.85	576068681.65
58	3 RAIL ENCE END	582110756.57	586068660.96
59	AGGREGATE TRAIL AT CONCRETE WALL	592110586.27	596068599.25
60	CENTERLINE OF AGGREGATE TRAIL	602110541.46	606068564.33
61	CENTERLINE OF AGGREGATE TRAIL AT CONCRETE STA 0+38	612110206.19	616068285.98
62	CORNER OF AGGREGATE TRAIL	622110021.71	626068133.23
63	CORNER OF AGGREGATE TRAIL	632110030.55	636068122.24
64	CORNER OF AGGREGATE TRAIL	642110007.30	646068103.36
65	CORNER OF AGGREGATE TRAIL/ CORNER OF TRASH RECEPTACLE	652109998.44	656068114.35
66	CENTERLINE OF AGGREGATE TRAIL AT CONCRETE STA 3+63	662109960.69	666068087.02
67	CENTER OF FAIRY RING	672110142.81	676068182.42



CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. _____ EXP. _____				
CHECKED BY ES				
DESIGNED BY ES, TE, KB				
DRAWN BY TE, KB				

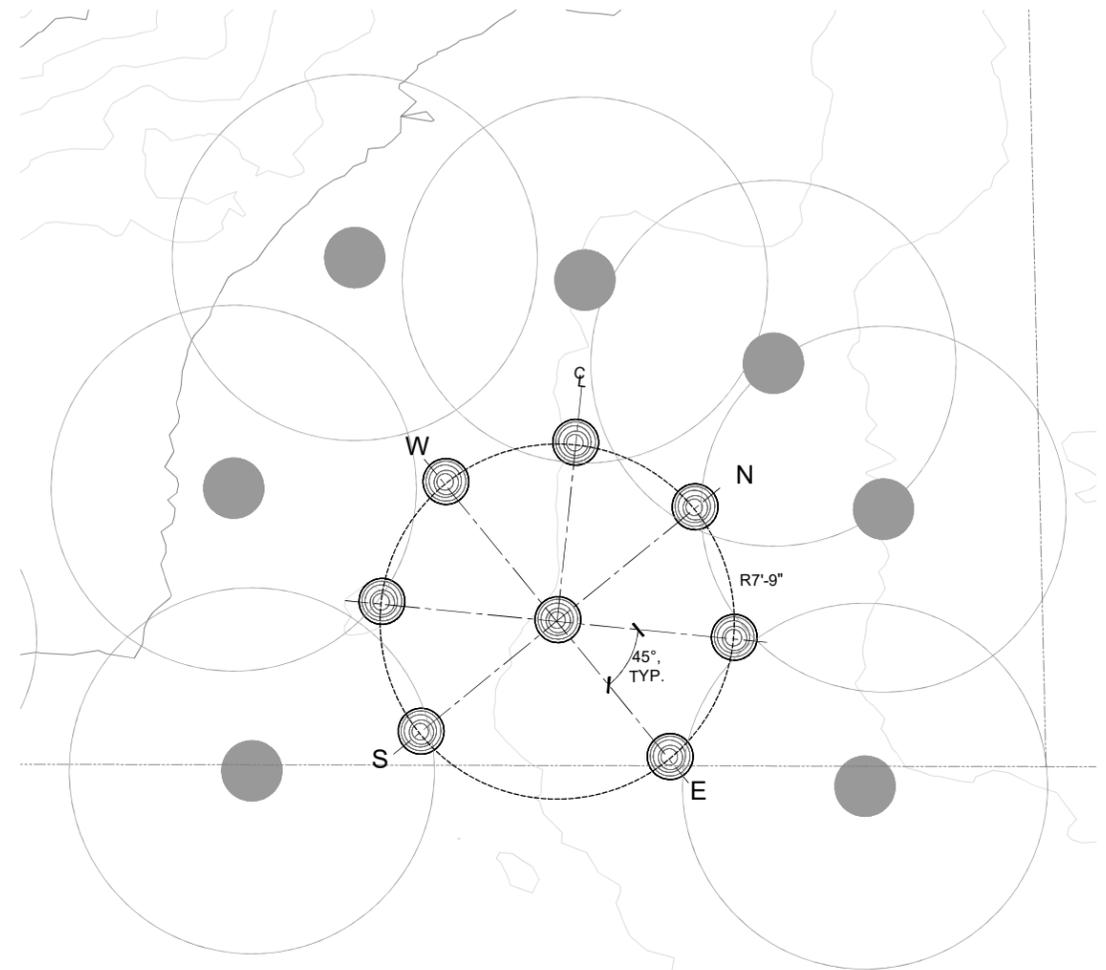
TRAIL AND CREEK ACCESS LAYOUT

PROJECT NO. 1005340
SHEET NO. L-1.1
 SCALE: 1" = 20'-0"
 DATE: DEC 1, 2022

DRAWING NAME: C:\Users\jagges\restoration_design_group\projects_documents\courtlund_creek\04_autocad\working_drawings\sheet\COURTL-LS-LAY.dwg

NOTES

1. LAYOUT OF LOG ROUNDS SHALL BE STAKED IN THE FIELD FOR REVIEW AND APPROVAL BY O.R. PRIOR TO INSTALLATION.
2. DIMENSIONS AS SHOWN ARE TO BE VERIFIED WITH THE O.R. PRIOR TO INSTALLING THE IMPROVEMENTS. IF MINOR FIELD ADJUSTMENTS ARE REQUIRED, THEY SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE OWNER.
3. CENTER LOG ROUND PLACED IN CENTER OF EXISTING REDWOOD FAIRY RING. SURROUNDING LOG ROUNDS TO ALIGN WITH CARDINAL AND ORDINAL POINTS.



1 FAIRY RING GATHERING AREA
SCALE: 1"= 4'-0"



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COURTLAND CREEK RESTORATION PROJECT
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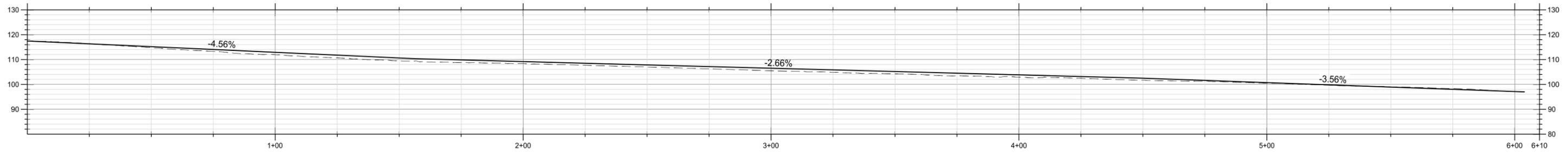
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RCE NO. _____ EXP. _____	---	---	---	---
CHECKED BY ES				
DESIGNED BY ES, TE, KB				
DRAWN BY TE, KB				

FAIRY RING ENLARGEMENT

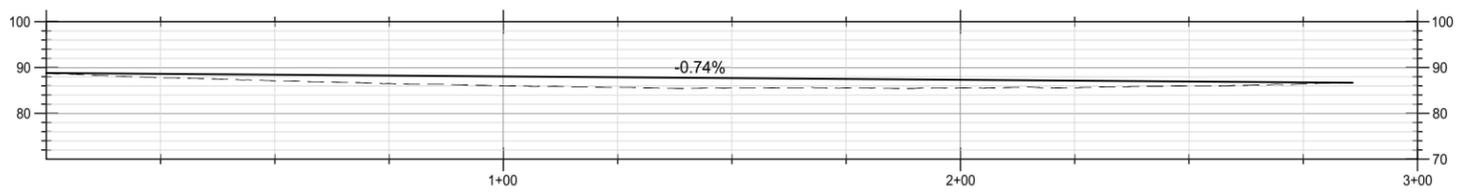
PROJECT NO.
1005340

SCALE: 1" = 4'-0"
HOR.
VERT.

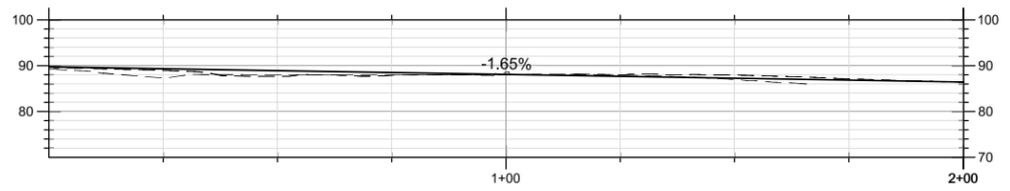
SHEET NO.
L-1.2
28 OF 41



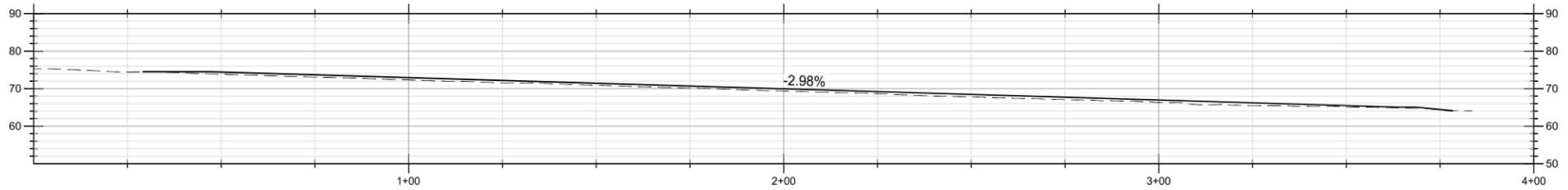
PROFILE OF BROOKDALE REACH TRAIL
SCALE: 1"=20'



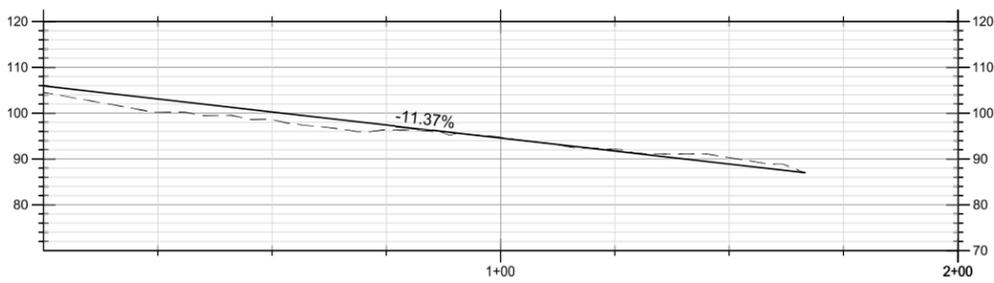
PROFILE OF CONGRESS REACH TRAIL
SCALE: 1"=20'



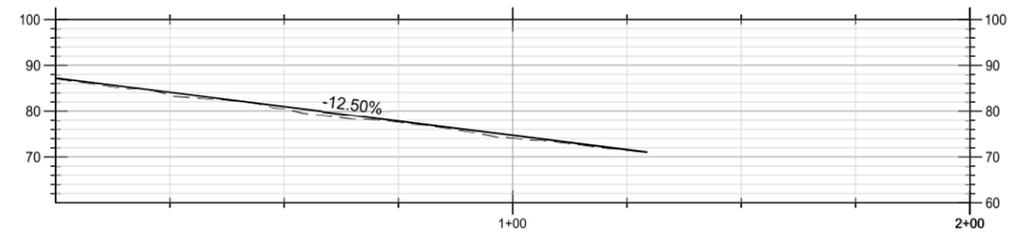
PROFILE OF CONGRESS CREEK WALK
SCALE: 1"=20'



PROFILE OF THOMPSON REACH TRAIL
SCALE: 1"=20'



PROFILE OF BROOKDALE MAINTENANCE ACCESS
SCALE: 1"=20'



PROFILE OF CONGRESS MAINTENANCE ACCESS
SCALE: 1"=20'



COURTLAND CREEK RESTORATION PROJECT
100% DESIGN

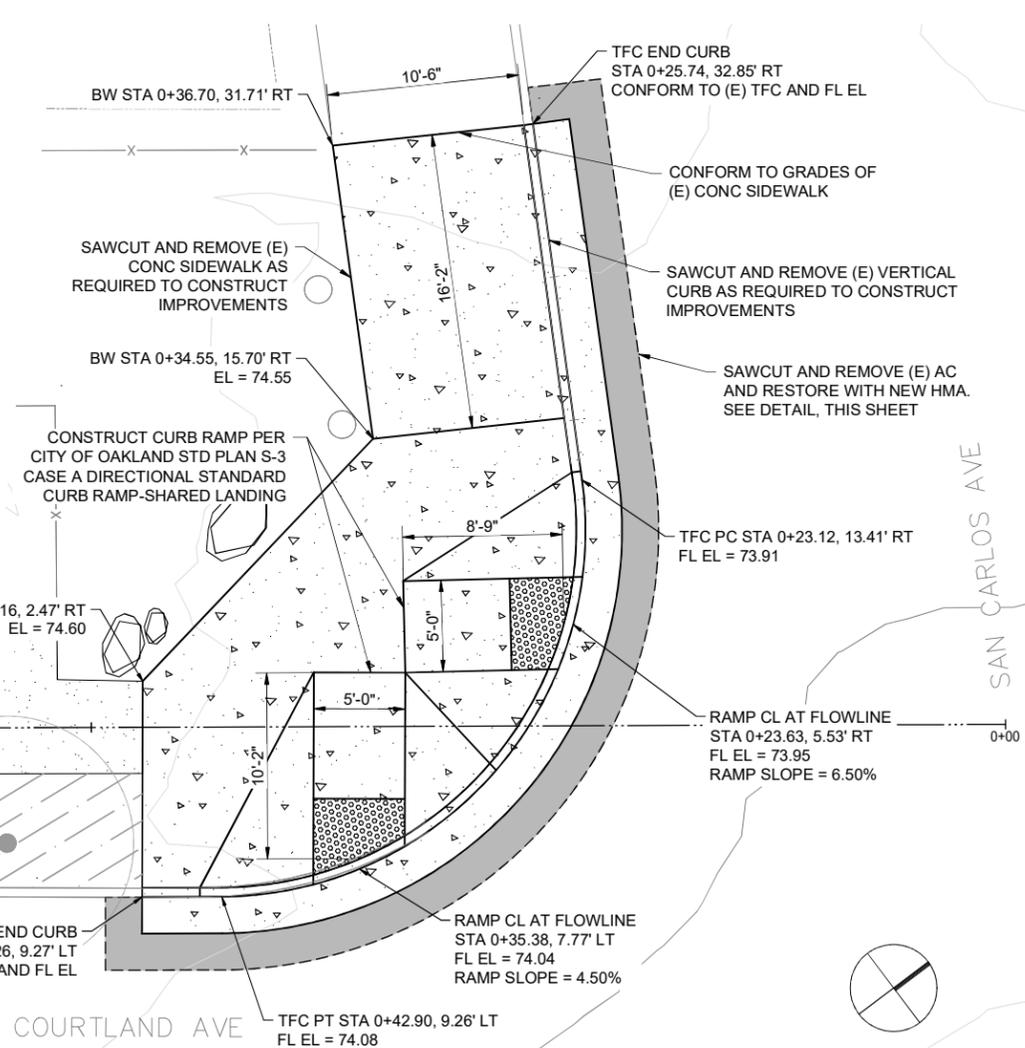
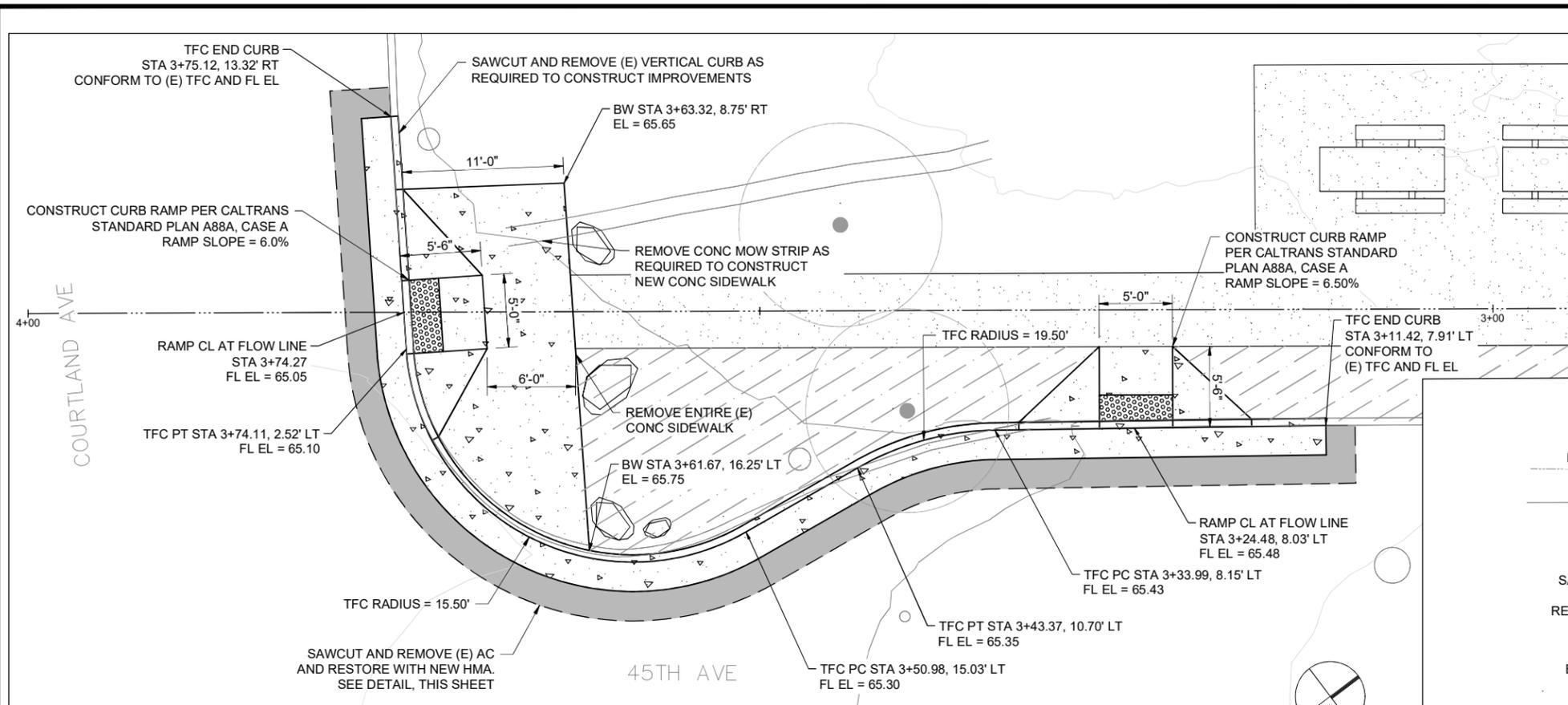


CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. _____ EXP. _____				
CHECKED BY ES				
DESIGNED BY ES, TE, KB				
DRAWN BY TE, KB, JH				

L-1.3 TRAIL PROFILE

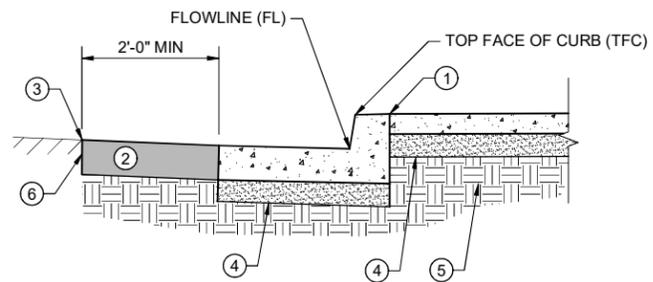
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SCALE: 1" = 20'-0"	DATE: DEC 1, 2022
HOR. VERT.	29 OF 41

DRAWING NAME: C:\Users\jagges\restoration design group\projects - documents\courtland creek\04 autocad\working drawings\Sheets\COURT.LS-PROF.dwg
PLOT DATE: 12/01/22



2 RAMP REPLACEMENT AT COURTLAND AVE AND 45TH AVE

SCALE: 1" = 5'



- 1 CONSTRUCT CEMENT CONCRETE TYPE A CURB AND GUTTER PER CITY OF OAKLAND STANDARD DETAIL S-1.
- 2 RESTORE PAVEMENT WITH NEW HMA TO MATCH (E) AC DEPTH OR 6-IN MIN, WHICHEVER IS GREATER, 2'-0" MIN FROM EDGE OF NEW GUTTER.
- 3 SAWCUT (E) AC TO A NEAT STRAIGHT LINE 2'-0" MIN FROM EDGE OF NEW GUTTER. RE-CUT ANY EDGES DAMAGED DURING CONSTRUCTION. SEAL SURFACE OF JOINT WITH TACK MATERIAL AND COVER WITH SAND.
- 4 PLACE 4" MIN CLASS 2 AB COMPACTED TO 95% RELATIVE COMPACTION.
- 5 COMPACT SUBGRADE TO 95% RELATIVE COMPACTION.
- 6 PAINT BINDER (TACK COAT) TO ALL VERTICAL SURFACES PRIOR TO PLACEMENT OF NEW HMA PER SECTION 39-2.01C(3)(f) OF THE 2018 CALTRANS STANDARD SPECIFICATIONS.

NOTES:

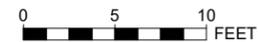
1. CEMENT CONCRETE CURB, GUTTER, AND SIDEWALK MUST MEET REQUIREMENTS IN SECTION 73 OF 2018 CALTRANS STANDARD SPECIFICATIONS.
2. HMA MUST MEET THE REQUIREMENTS IN SECTION 39-2.07 OF THE 2018 CALTRANS STANDARD SPECIFICATIONS.
3. CLASS 2 AB MUST MEET REQUIREMENTS IN SECTION 26 FOR 3/4-IN MAXIMUM OF THE 2018 CALTRANS STANDARD SPECIFICATIONS.

3 TYPICAL CURB AND GUTTER

SCALE: 3/4"=1"

1 RAMP REPLACEMENT AT SAN CARLOS AVE AND COURTLAND AVE

SCALE: 1" = 5'



COURTLAND CREEK RESTORATION PROJECT
100% DESIGN



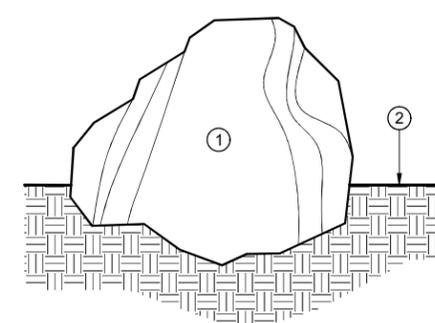
CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. _____ EXP. _____				
CHECKED BY MT				
DESIGNED BY MT, JH				
DRAWN BY JH				

CURB RAMP REPLACEMENTS

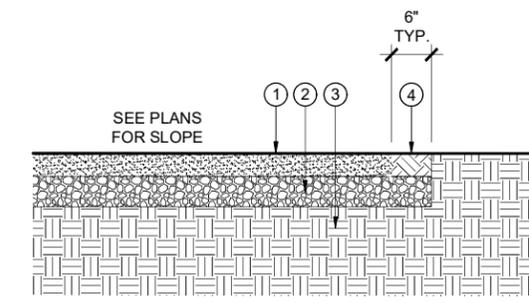
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HOR. VER.
DATE: DEC 1, 2022
SHEET NO. L-2.0
30 OF 41

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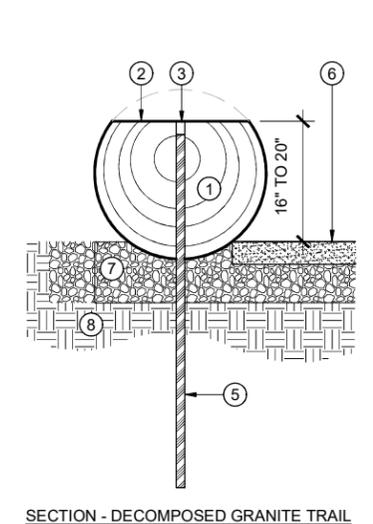
- ① GRANITECRETE: PAVING, 3" DEPTH
- ② BASE COURSE, 4" DEPTH, EXTEND BEYOND EDGE AS SHOWN.
- ③ SUBGRADE, COMPACTED TO 95% RC. SHAPE TO DRAIN PER PLANS.
- ④ EARTHEN SHOULDER, OVER BASE COURSE. COMPACT TO 90%.



- ① SITE BOULDER, SEE SPECIFICATIONS FOR SIZING AND TYPE. EMBED ±1/2 INTO GROUND. SITE BOULDER LOCATIONS SHOWN SCHEMATICALLY ON PLANS. LOCATION AND ORIENTATION TO BE DETERMINED BY O.R. IN THE FIELD. CONTRACTOR SHALL NOT SET BOULDERS WITHOUT DIRECTION FROM O.R.
- ② FINISH GRADE

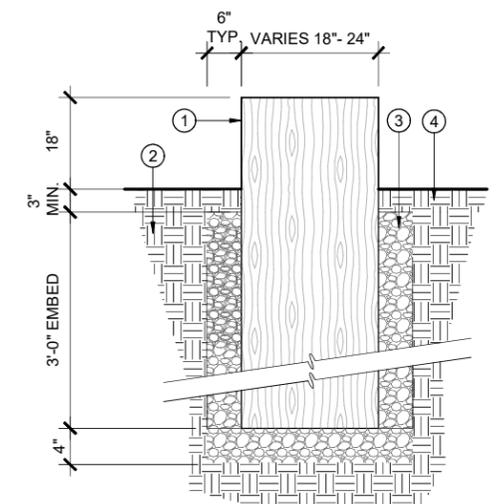


1 AGGREGATE SURFACE- PEDESTRIAN
SCALE: NTS



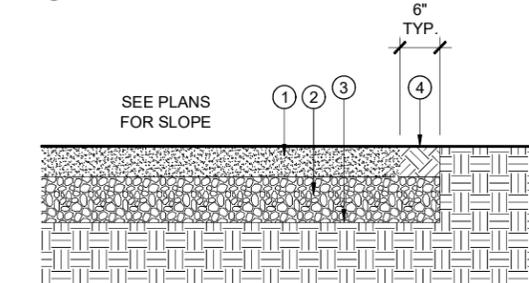
- PLAN
- VARIES, SEE PLANS
- ① MILLED SALVAGED EUCALYPTUS LOG, LENGTH PER PLANS. LOG PLACEMENT AND SEATING HEIGHT PER O.R. DIRECTION.
 - ② SAND SMOOTH FOR SEATING AND EASE EDGES AS DIRECTED BY O.R. SLOPE TO DRAIN, TYP.
 - ③ PRE-DRILL ~1-1/2" DIAMETER HOLE THROUGH CENTER OF LOG. THREE HOLES MIN. PER LOG. START DRILL HOLES 12" FROM END OF LOG, TYP.
 - ④ FINISH GRADE, LOGS MAY RETAIN UP TO 16" SOIL.
 - ⑤ 1-1/2" DIAMETER GALVANIZED PIPE DRIVEN TO REFUSAL (6'-0" MINIMUM OVERALL LENGTH). DRIVE TOP 1-1/2" BELOW TOP OF LOG SURFACE. (3) PIPE STAKES PER 6' LOG, (4) PIPE STAKES PER 10'+ LOG, TYP. FILL TOP 1-1/2" WITH AUTOMOTIVE BONDO TINTED BLACK, THEN SAND SMOOTH.
 - ⑥ AGGREGATE SURFACE
 - ⑦ BASE COURSE, EMBED LOG MIN. 4", TYP.
 - ⑧ COMPACTED SUBGRADE, TYP.

4 SITE BOULDER
SCALE: NTS



- ① SALVAGED REDWOOD LOG. LEAVE BARK ON LOG. FINAL SELECTION BY O.R.
- ② SUBGRADE
- ③ CLASS 2 PERMEABLE BACKFILL, SEE SPECS.
- ④ COMPACTED EARTH, 3" DEPTH, SEE SPECS

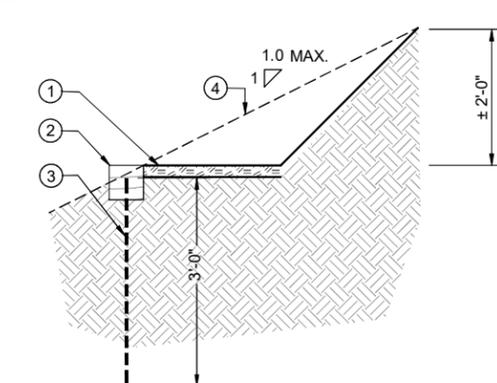
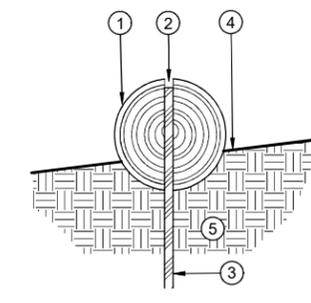
- ① GRANITECRETE: PAVING, 4" DEPTH
- ② BASE COURSE, 6" DEPTH, EXTEND BEYOND EDGE AS SHOWN.
- ③ SUBGRADE, COMPACTED TO 95% RC. SHAPE TO DRAIN PER PLANS.
- ④ EARTHEN SHOULDER, OVER BASE COURSE. COMPACT TO 90%.



2 AGGREGATE SURFACE- LIGHT VEHICULAR
SCALE: NTS

5 LOG ROUND
SCALE: NTS

- ① SALVAGED EUCALYPTUS LOG, BURY 1/3 DIAMETER INTO FINISH GRADE.
- ② PRE-DRILL ~1-1/2" DIAMETER HOLE THROUGH CENTER OF LOG. THREE HOLES MIN. PER LOG. START DRILL HOLES 12" FROM END OF LOG, TYP.
- ③ 1-1/2" DIAMETER GALVANIZED STEEL PIPE DRIVEN TO REFUSAL (6'-0" MINIMUM OVERALL LENGTH). DRIVE TOP OF PIPE 1-1/2" BELOW SURFACE OF LOG, TYP. FILL TOP 1-1/2" WITH AUTOMOTIVE BONDO TINTED BLACK, THEN SAND SMOOTH.=
- ④ FINISH GRADE, SEE GRADING PLANS. LOGS MAY RETAIN UP TO 16" OF SOIL.
- ⑤ COMPACTED SUBGRADE



- ① MULCHED PATH, 2" DEPTH
- ② 6" X 6" TIMBER, 3" EXPOSED ABOVE (E) GRADE
- ③ # 5 REBAR, RECESS 1/2" INTO TIMBER
- ④ EXISTING GRADE

6 PINNED LOG
SCALE: NTS

3 MAINTENANCE ACCESS
SCALE: NTS

7 LOG SEATING
SCALE: NTS



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COURTLAND CREEK RESTORATION PROJECT
100% DESIGN

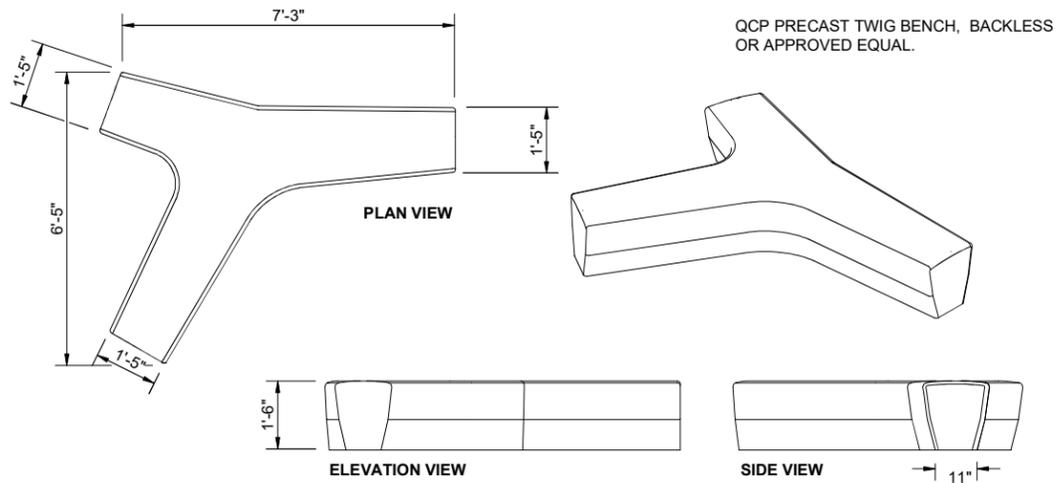


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CHECKED BY ES				
DESIGNED BY ES, TE, KB				
DRAWN BY TE, KB				

DETAILS

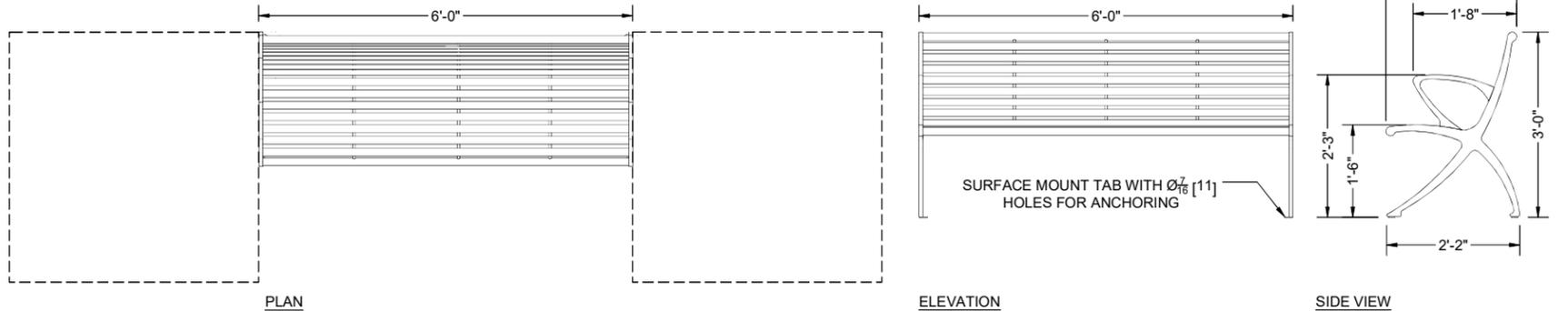
PROJECT NO. 1005340
SCALE: NTS
HOR. VERT.
DATE: DEC 1, 2022
SHEET NO. L-3.0
31 OF 41

DRAWING NAME: C:\Users\leggers\restoration design group\projects - documents\courtland creek\04 autocad\working drawings\Sheets\COURT-LS-DT1.dwg
PLOT DATE: 12/01/22
PLOTTED BY: leggers

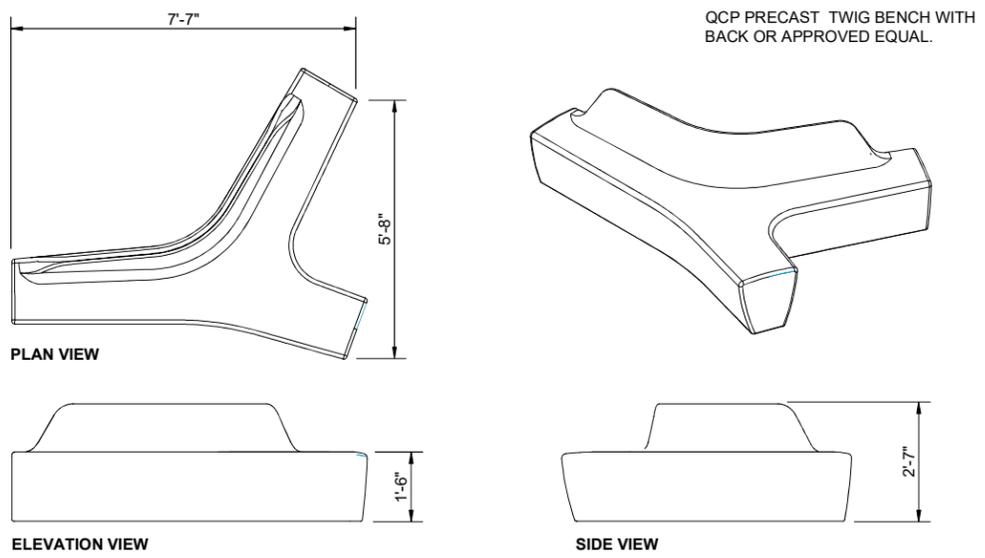


2 CONCRETE BENCH
SCALE: NTS

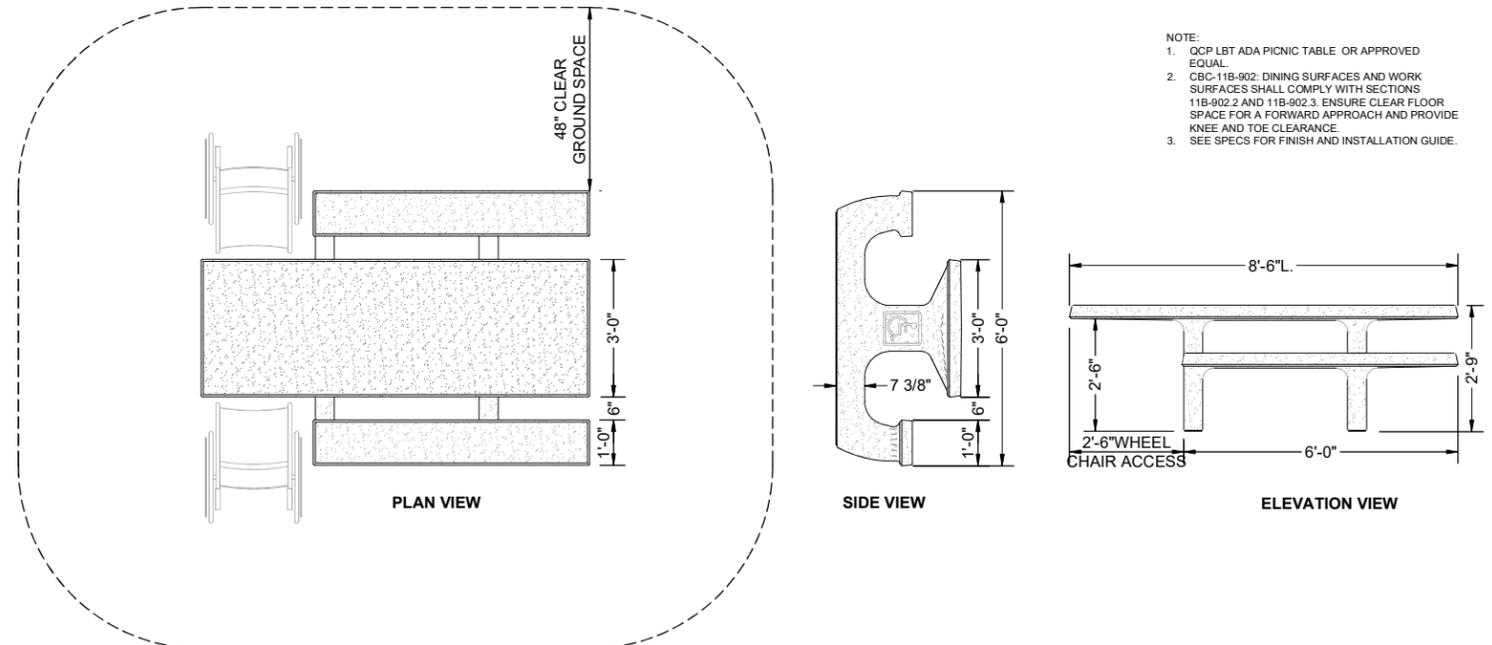
- NOTES:
1. LANDSCAPEFORMS PARC VUE BENCH OR APPROVED EQUAL.
 2. ENSURE CLEAR GROUND SPACE ON BOTH SIDES OF BENCH FOR EITHER FORWARD OR PARALLEL APPROACH
 3. SEE SPECS FOR FINISH, ANCHORS, AND INSTALLATION GUIDE



1 METAL BENCH
SCALE: NTS



3 CONCRETE BENCH WITH BACK
SCALE: NTS



4 PICNIC TABLE
SCALE: NTS



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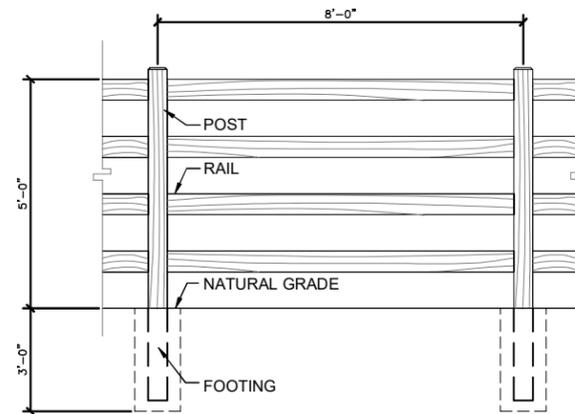


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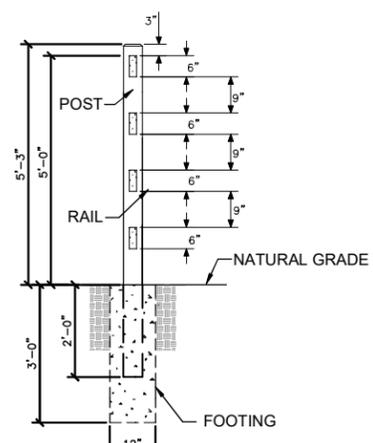
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DETAILS

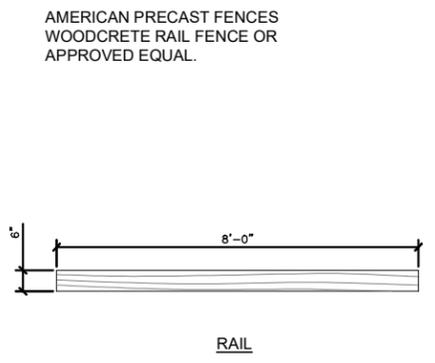
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HOR. VERT.
DATE: DEC 1, 2022
SHEET NO. L-3.1
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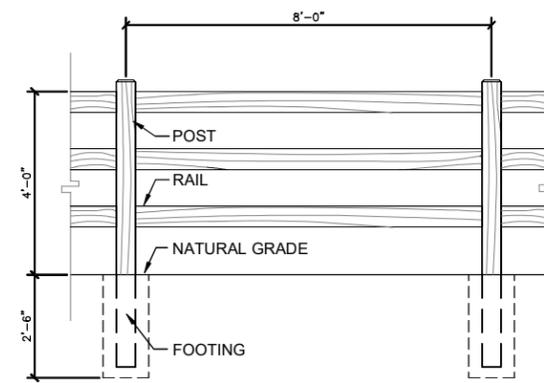
ELEVATION - 4 RAIL FENCE



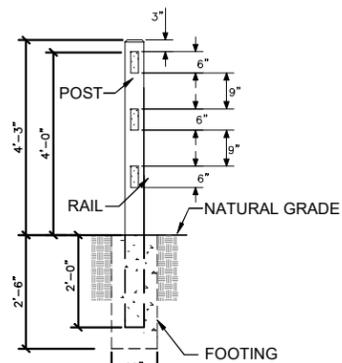
SECTION - 4 RAIL FENCE



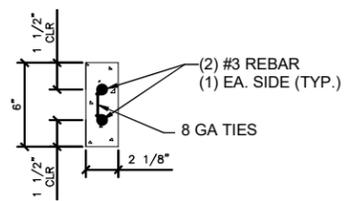
RAIL



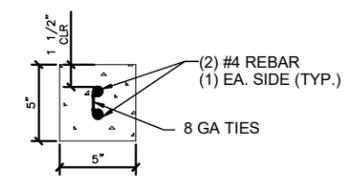
ELEVATION - 3 RAIL FENCE



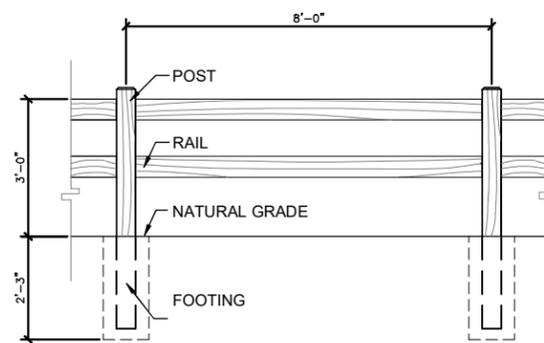
SECTION - 3 RAIL FENCE



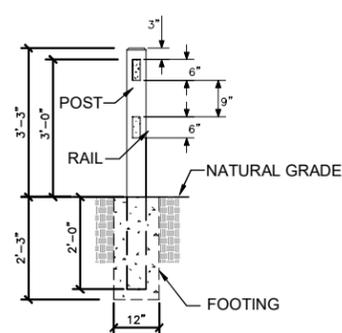
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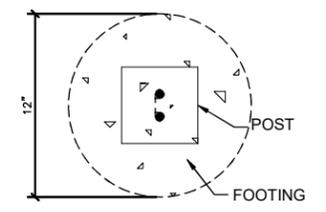
LINE POST



ELEVATION - 2 RAIL FENCE



SECTION - 2 RAIL FENCE



FOOTING

1 CONCRETE SPLIT RAIL FENCE
SCALE: NTS



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COURTLAND CREEK RESTORATION PROJECT
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DRAWN BY _____ TE, KB	---	---	---	---

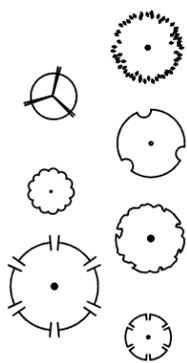
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DETAILS

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SCALE: NTS HOR. VERT.	DATE: DEC 1, 2022
33 OF 41	

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PLOT DATE: 12-01-22
PLOTTED BY: leggers

TREE SCHEDULE



SCIENTIFIC NAME	COMMON NAME	SIZE	TOTAL QTY
ACER NEGUNDO	BOX ELDER	15G	13
AESCLUSUS CALIFORNICA	BUCKEYE	15G	26
ALNUS RHOMBIFOLIA	WHITE ALDER	15G	40
CERCIS OCCIDENTALIS	WESTERN REDBUD	15G	15
POPULOUS FREMONTII	FREMONT COTTONWOOD	15G	27
QUERCUS AGRIFOLIA	LIVE OAK	15G	40
SAMBUCUS NIGRA V. CAERULEA	BLUE ELDERBERRY	15G	21

PLANT SCHEDULE

SCIENTIFIC NAME	COMMON NAME	SIZE	COUNT
SHRUBS			
Arctostaphylos uva-ursi 'Point Reyes'	Manzanita 'Point Reyes'	1 Gallon	29
Baccharis pilularis 'Coyote Point'	Dwarf Coyote bush	1 Gallon	294
Ceanothus Joyce Coulter'	Creeping Mountain Lilac	1 Gallon	6
Cornus sercea	Dogwood	Live stake	45
Corylus cornuta	California Hazelnut	1 Gallon	70
Frangula californica	Coffeeberry	5 Gallon	14
Heteromeles arbutifolia	Toyon	5 Gallon	14
Holodiscus discolor	Oceanspray	D-16	70
Lonicera involucrate	Twinberry	D-16	53
Physocarpus capitatus	Ninebark	D-40	44
Ribes menziesii	Canyon Gooseberry	1 Gallon	96
Ribes sanguineum	Pink Flowering Currant	1 Gallon	87
Rosa californica	California Rose	1 Gallon	87
Rosa gymnocarpa	Wild Rose	1 Gallon	133
Rubus parviflorus	Thimbleberry	1 Gallon	13
Rubus ursinus	Pacific Blackberry	D-16	30
Symphoricarpos alba	Snowberry	1 Gallon	87
PERENNIALS & GRASSES			
Achillea millefolium	Yarrow	D-16	147
Artemisia douglasiana	Mugwort	D-16	30
Carex praegracilllis	California Field Sedge	D-16	30
Carex tumulicola	Foothill Sedge	D-16	40
Epilobium canum	California Fuchsia	1 Gallon	20
Heracleum lanatum	Cow Parsnip	D-16	30
Iris douglasiana	Douglas Iris	D-16	23
Juncus effusus	Common Rush	D-16	30
Juncus patens	Grey Rush	D-16	30
Mulenbergia rigens	Deer Grass	1 Gallon	19
Monarda villosa	Coyote Mint	D-16	117
Salvia spathacea	Hummingbird Sage	1 Gallon	117
Woodwardia fimbriata	Giant Chain Fern	1 Gallon	30

LIVE CUTTING

LC1-LC10 LIVE CUTTING FROM WILLOW 2,582 SF / 330 WILLOW POLES

SEEDING

HYDROSEEDING 31,255 SF

PATCH PLANT SCHEDULE

SCIENTIFIC NAME	COMMON NAME	SIZE	PATCH ID																TOTALS					
			UB1	UB2	UB3	UB4	UB5	UB6	UB7	UB8	UB9	UB10	UB11	UB12	UB13	UB14	UB15	UC1		UC2	UC3	UT1	UT2	
UPLAND PATCH			282	597	87	254	124	617	112	185	303	415	529	204	320	333	686	130	272	151	165	162	5908	
SHRUBS																								
Baccharis pilularis 'Coyote Point'	Dwarf Coyote Bush	1 Gallon	13	27	4	11	6	28	5	7	14	19	24	9	14	15	31	8	12	7	7	7	266	
Frangula californica	Coffeeberry	5 Gallon	1	1	0	1	0	2	0	0	1	1	1	1	1	1	2	0	1	0	0	0	14	
Heteromeles arbutifolia	Toyon	5 Gallon	1	1	0	1	0	2	0	0	1	1	1	1	1	1	2	0	1	0	0	0	14	
Ribes sanguineum	Pink Flowering Currant	1 Gallon	4	9	1	4	2	9	2	2	5	6	8	3	5	5	10	2	4	2	2	2	87	
Rosa gymnocarpa	Wild Rose	1 Gallon	6	13	2	6	3	14	3	4	7	9	12	5	7	7	15	3	6	3	4	4	133	
PERENNIALS & GRASSES																								
Achillea millefolium	Yarrow	D-16	6	12	2	5	2	12	2	3	6	8	11	4	6	7	14	3	5	3	3	3	117	
Monarda villosa	Coyote Mint	D-16	8	12	2	5	2	12	2	3	6	8	11	4	6	7	14	3	5	3	3	3	117	
Salvia spathacea	Hummingbird Sage	1 Gallon	6	12	2	5	2	12	2	3	6	8	11	4	6	7	14	3	5	3	3	3	117	
TOTAL PLANTS PER PATCH			43	87	13	38	11	91	16	22	46	60	79	31	46	60	102	20	39	21	22	13	865	
WOODLAND PATCH																								
SHRUBS																								
Corylus cornuta	California Hazelnut	1 Gallon	6	6	4	5	5	6	7	8	4	2	4	2	3	3	5	2	3				70	
Holodiscus discolor	Oceanspray	D-16	6	6	4	5	5	6	7	8	4	2	4	2	3	3	5	2	3				70	
Lonicera involucrate	Twinberry	D-16	5	5	3	4	4	5	6	6	4	2	3	2	2	2	4	2	3				57	
Ribes menziesii	Canyon Gooseberry	1 Gallon	5	5	3	4	4	5	6	6	4	2	3	2	2	2	4	2	3				57	
Rosa californica	California Rose	1 Gallon	5	5	3	4	4	5	6	6	4	2	3	2	2	2	4	2	3				57	
Symphoricarpos alba	Snowberry	1 Gallon	5	5	3	4	4	5	6	6	4	2	3	2	2	2	4	2	3				57	
TOTAL PLANTS PER PATCH			32	32	20	26	26	32	38	40	24	12	20	12	14	14	26	12	18				368	
RIPARIAN CORRIDOR PATCH																								
SHRUBS																								
Cornus sercea	Dogwood	Live stake	7	6	4	4	7	3	3	3	1	3	1	3									46	
Physocarpus capitatus	Ninebark	D-40	7	6	4	4	7	3	3	3	1	3	1	3									45	
Ribes menziesii	Canyon Gooseberry	1 Gallon	6	5	3	4	6	3	3	2	1	2	1	3									39	
Rosa californica	California Rose	1 Gallon	4	4	3	3	4	2	2	1	2	1	2	1	2								30	
Rubus parviflorus	Thimbleberry	1 Gallon	2	2	1	1	2	1	1	1	0	1	0	1									13	
Rubus ursinus	Pacific Blackberry	D-16	4	4	3	3	4	2	2	2	1	2	1	2									30	
Symphoricarpos alba	Snowberry	1 Gallon	4	4	3	3	4	2	2	2	1	2	1	2									30	
PERENNIALS & GRASSES																								
Artemisia douglasiana	Mugwort	D-16	4	4	3	3	4	2	2	2	1	2	1	2									30	
Carex praegracilllis	California Field Sedge	D-16	4	4	3	3	4	2	2	2	1	2	1	2									30	
Heracleum lanatum	Cow Parsnip	D-16	4	4	3	3	4	2	2	2	1	2	1	2									30	
Juncus effusus	Common Rush	D-16	4	4	3	3	4	2	2	2	1	2	1	2									30	
Juncus patens	Grey Rush	D-16	4	4	3	3	4	2	2	2	1	2	1	2									30	
Woodwardia fimbriata	Giant Chain Fern	1 Gallon	4	4	3	3	4	2	2	2	1	2	1	2									30	
TOTAL PLANTS PER PATCH			34	31	21	22	34	16	15	6	15	6	16	16	16	16	16	16	16	16	16	16	412	
ORNAMENTAL PATCH																								
SHRUBS																								
Arctostaphylos uva-ursi 'Point Reyes'	Manzanita 'Point Reyes'	1 Gallon	0	0	0	0	22	7															29	
Baccharis pilularis 'Coyote Point'	Dwarf Coyote bush	1 Gallon	8	7	5	8	0	0															28	
Ceanothus 'Joyce Coulter'	Creeping Mountain Lilac	1 Gallon	2	1	1	2	0	0															6	
PERENNIALS & GRASSES																								
Achillea millefolium	Yarrow	D-16	5	4	3	5	9	4															30	
Carex tumulicola	Foothill Sedge	D-16	7	6	4	6	12	5															40	
Epilobium canum	California Fuchsia	1 Gallon	3	3	2	3	6	3															20	
Iris douglasiana	Douglas Iris	D-16	7	6	4	6	12	5															23	
TOTAL PLANTS PER PATCH			32	27	19	30	61	24															176	
LIVE CUTTINGS																								
Mixture of Salix laevigata, Salix lasiolepis, Salix scouleriana	Live cuttings		LC1	LC2	LC3	LC4	LC5	LC6	LC7	LC8	LC9	LC10	TOTALS	672	214	362	158	394	337	128	112	123	182	2582

GENERAL REVEGETATION NOTES

- THE FOLLOWING NOTES APPLY TO RESTORATION AND ORNAMENTAL PLANTINGS.
- PLANT SUBSTITUTIONS MUST BE APPROVED BY O.R. PRIOR TO PURCHASE AND DELIVERY.
- FINAL LAYOUT OF CONTAINER PLANTS TO BE APPROVED BY O.R. IN THE FIELD. CONTRACTOR TO PROVIDE MEANS OF MARKING PLANT LOCATIONS.
- SEED AREAS SHOWN ON PLANS. SEED AND MULCH PRIOR TO OCTOBER 15TH.
- PROVIDE TOUCH-UP SEEDING TO ALL AREAS DISTURBED AFTER ORIGINAL SEEDING.

RESTORATION REVEGETATION NOTES

- FOR SMALL AND LARGE RESTORATION GRADE CONTAINERS, INSTALL PER DETAIL 1 / L-4.3 AND 2 / L-4.3.
- RESTORATION GRADE NATIVE PLANTS SHALL BE SOURCED WITHIN 20 MILES OF THE PROJECT SITE. CULTIVARS OF NATIVE SPECIES WILL NOT BE ACCEPTED. COUNTY OF ORIGIN FOR EACH PLANT SHALL BE NOTED IN SUBMITTAL.
- CONTRACTOR SHALL PROVIDE PLANTS IN CONTAINER SIZES NOTED IN LEGEND. IN SOME CIRCUMSTANCES CONTAINER SIZES MAY BE SUBSTITUTED WITH O.R. APPROVAL. THE FOLLOWING ARE PLANT QUANTITY RATIOS FOR PLANT CONTAINER SIZE SUBSTITUTIONS. CONTRACTOR TO PROVIDE A SUBMITTAL FOR ALL PROPOSED SUBSTITUTIONS. SEE SPECIFICATIONS.
 - 15 GALLON POT = NO SUBSTITUTIONS
 - 5 GALLON POT TO 4-GAL TREEPOT = 1:1.2
 - 1 GALLON POT TO D-40 = 1:1.2
 - 1 GALLON POT TO 4" POT = 1:1.4
 - 1 GALLON POT TO D-16 = 1:2
- PLANTS SHALL BE UNEVENLY SPACED, UNLESS DIRECTED OTHERWISE BY O.R. IN THE FIELD.
- INTERMIX SPECIFIED WILLOW SPECIES WITHIN WILLOW PLANTING ZONES, AS DIRECTED BY O.R.
- NO PLANTING WITHIN DRIP LINE OF EXISTING COAST LIVE OAKS. TREE CANOPY IS ESTIMATED AND NOT SURVEYED. VERIFY DRIP LINE OF (E) OAKS IN FIELD. PATCH LAYOUT AND LOCATION SHALL BE APPROVED BY O.R. PRIOR TO PLANTING.

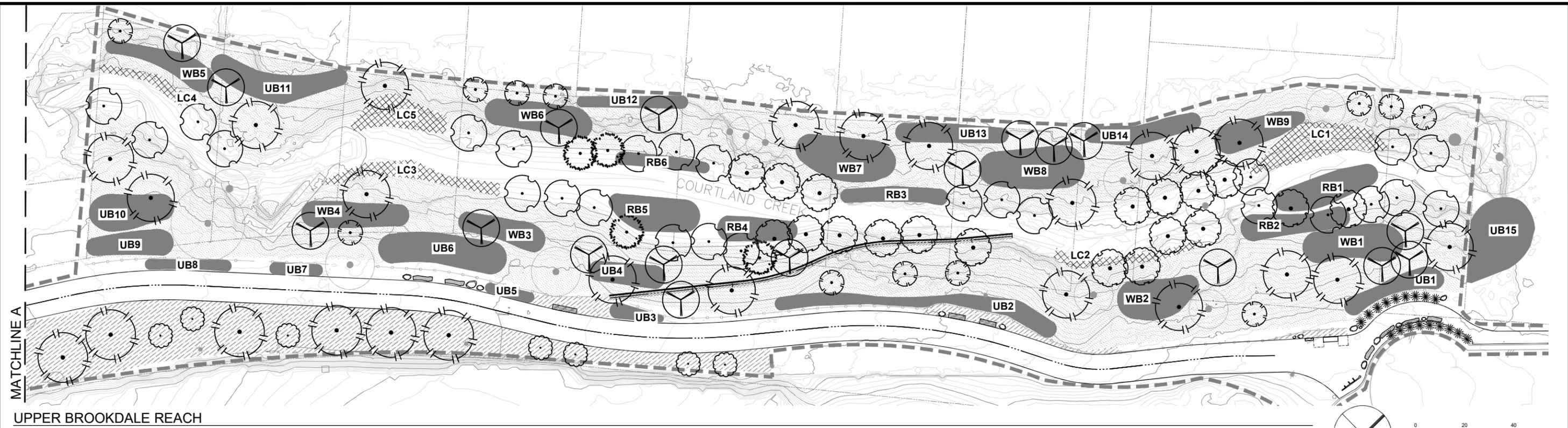


CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. _____ EXP. _____				
CHECKED BY ES				
DESIGNED BY TE, KB, ES				
DRAWN BY TE, KB				

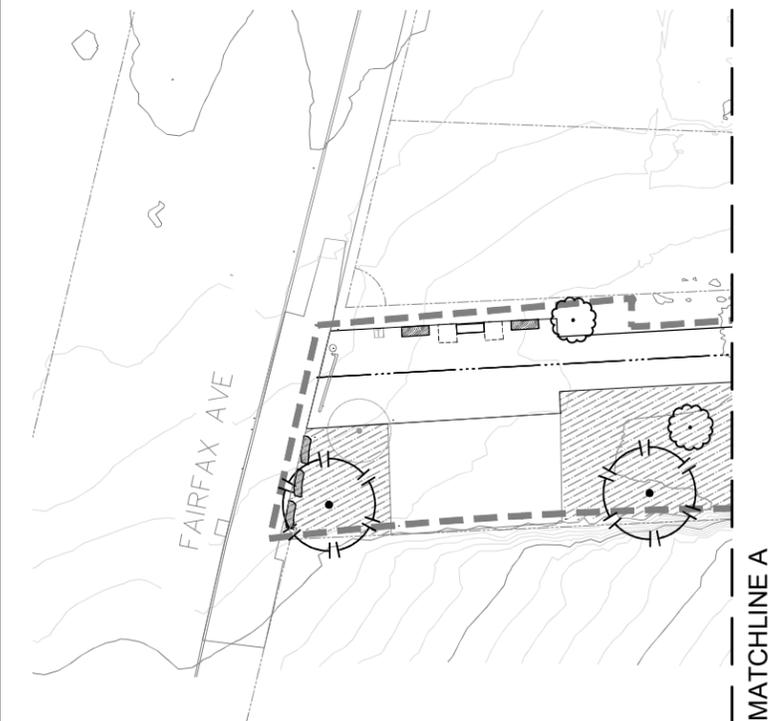
REVEGETATION SCHEDULE & NOTES

PROJECT NO. 1005340
 SCALE: 1" = 20'-0"
 SHEET NO. L-4.0
 DATE: DEC 1, 2022 34 OF 41

DRAWING NAME: C:\Users\lrgarner\restoration design group\projects - documents\courtland creek\04 autocad\working drawings\Sheets\COURT-LS-PLANT.rvt PLOT DATE: 12/01/22



UPPER BROOKDALE REACH



LOWER BROOKDALE REACH

TREES

SCIENTIFIC NAME	COMMON NAME
<i>ACER NEGUNDO</i>	BOX ELDER
<i>AESCULUS CALIFORNICA</i>	BUCKEYE
<i>ALNUS RHOMBIFOLIA</i>	WHITE ALDER
<i>CERCIS OCCIDENTALIS</i>	WESTERN REDBUD
<i>POPULOUS FREMONTII</i>	FREMONT COTTONWOOD
<i>QUERCUS AGRIFOLIA</i>	LIVE OAK
<i>SAMBUCUS NIGRA V. CAERULEA</i>	BLUE ELDERBERRY

3
L-4.3

PLANTS

- MUHLENBERGIA RIGENS
- DEER GRASS

SEEDING

HYDROSEEDING

LIVE CUTTING

LC1-LC10 LIVE CUTTING FROM WILLOW

4
L-4.3

LEGEND

- EASEMENT / PARCEL
- LIMIT OF WORK
- MAJOR CONTOUR
- MINOR CONTOUR
- CONCRETE SPLIT RAIL FENCE
- GENERAL MULCH (2" DEPTH)
- EXISTING TREE TO REMAIN

PATCH PLANTING

- UB1-UB15 UPLAND PATCH
- WB1-WB9 WOODLAND PATCH
- RB1-RB6 RIPARIAN CORRIDOR PATCH

5
L-4.3

4
L-4.3

UB15 NOTE

NOTE: UB15 PATCH PLANTING PENDING AGREEMENT WITH LANDOWNER.



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COURTLAND CREEK RESTORATION PROJECT
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DESIGNED BY _____ ES, TE, KB				
DRAWN BY _____ TE, KB				

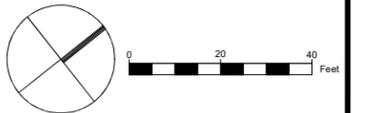
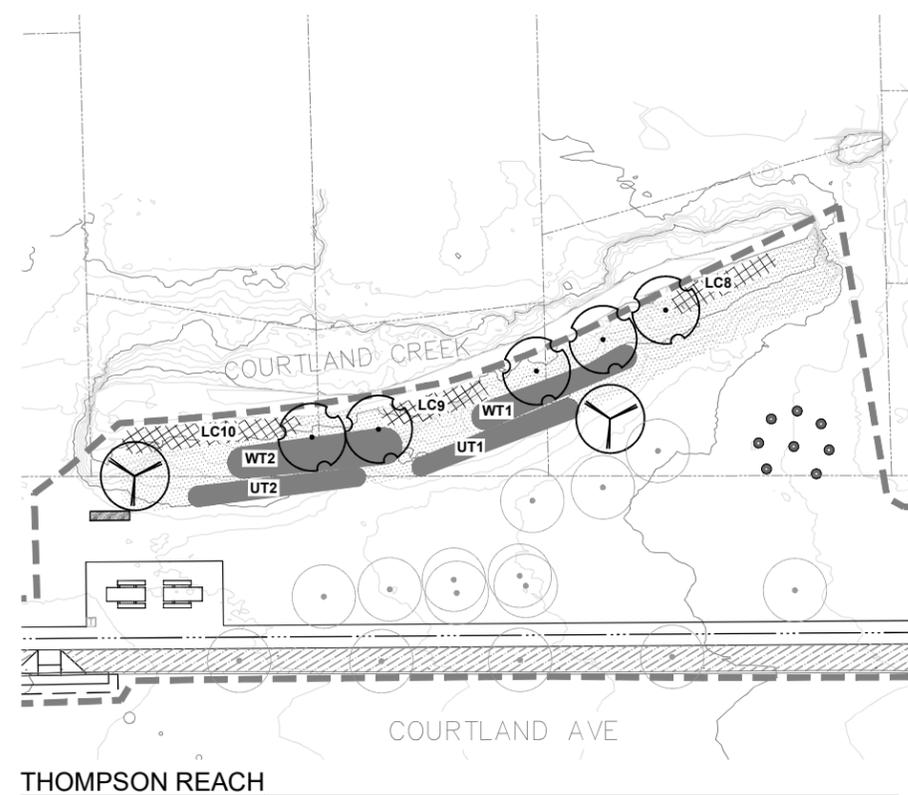
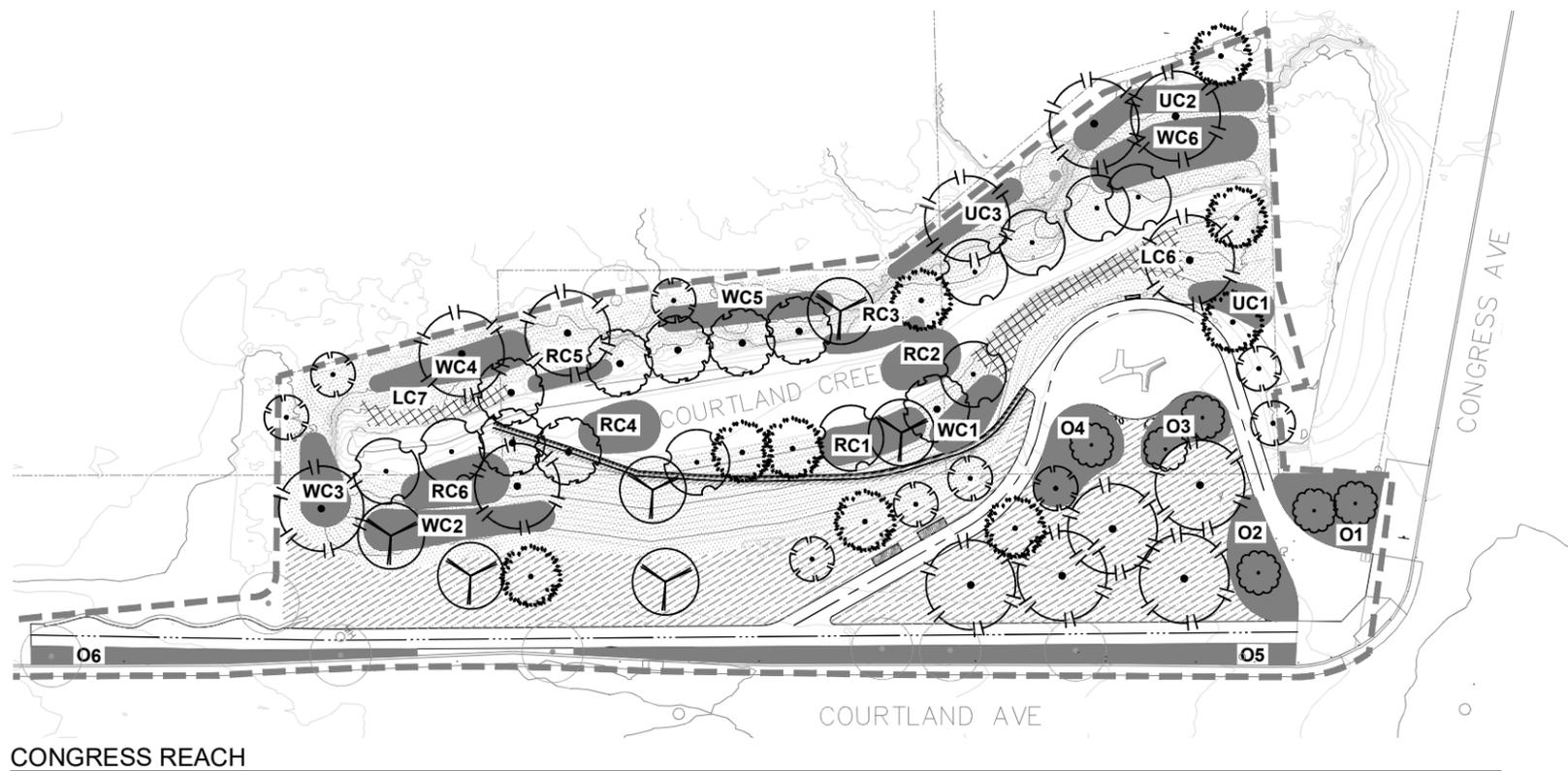
BROOKDALE REVEGETATION

PROJECT NO.
1005340

SCALE: 1" = 20'-0"
HOR.
VERT.
DATE: DEC 1, 2022

SHEET NO.
L-4.1
35 OF 41

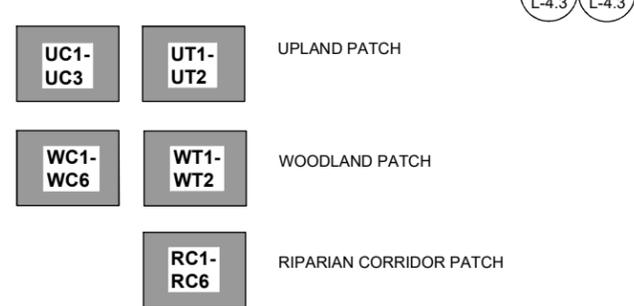
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PLOT DATE: 12/01/22



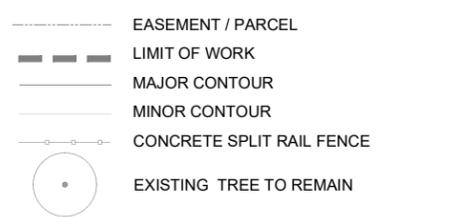
TREES

SCIENTIFIC NAME	COMMON NAME
<i>ACER NEGUNDO</i>	BOX ELDER
<i>AESCULUS CALIFORNICA</i>	BUCKEYE
<i>ALNUS RHOMBIFOLIA</i>	WHITE ALDER
<i>CERCIS OCCIDENTALIS</i>	WESTERN REDBUD
<i>POPULOUS FREMONTII</i>	FREMONT COTTONWOOD
<i>QUERCUS AGRIFOLIA</i>	LIVE OAK
<i>SAMBUCUS NIGRA V. CAERULEA</i>	BLUE ELDERBERRY

PATCH PLANTING



LEGEND



LIVE CUTTING



SEEDING



COURTLAND CREEK RESTORATION PROJECT
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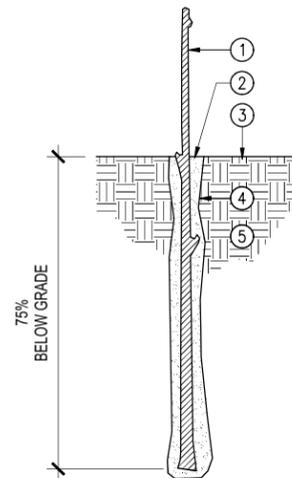


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CONGRESS & THOMPSON REACH REVEGETATION

PROJECT NO. 1005340	SHEET NO. L-4.2
SCALE: 1" = 20'-0" HOR. VERT.	DATE: DEC 1, 2022
36 OF 41	

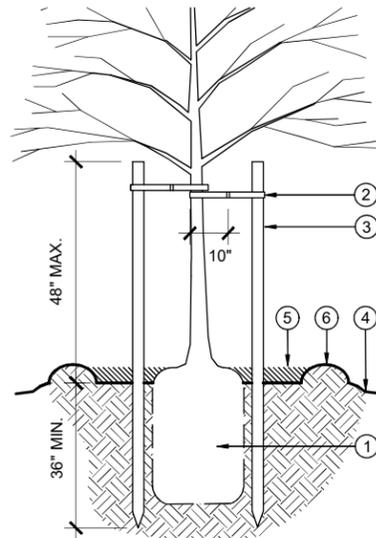
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PLOT DATE: 12/01/22



- ① LIVE CUTTING (POLE OR STAKE) - SEE SPECIFICATIONS FOR LENGTH AND SIZE
- ② DRILL PILOT HOLE 1" DIAMETER LARGER THAN LIVE CUTTING DIAMETER
- ③ FINISH GRADE
- ④ NATIVE SOIL, VOID OF AIR POCKETS, SEE SPECIFICATIONS
- ⑤ SUBGRADE

NOTE: SET ALL LIVE CUTTINGS PERPENDICULAR TO SLOPE. INSTALL WITH IRREGULAR SPACING (NATURALISTIC) PER O.R. DIRECTION. SEE PLANS FOR APPROXIMATE SPACING.

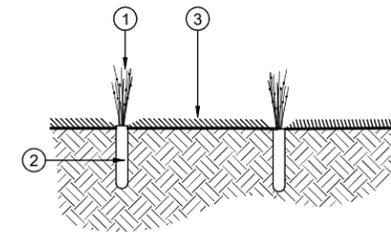
4 LIVE CUTTING
SCALE: NTS



- ① LARGE CONTAINER TREE (5 GALLON OR LARGER)
- ② ARBOR TIE TREE TIES (2), W/ 10" WIDE LOOPS AROUND TRUNK. SECURE ARBOR TIES 4" MIN FROM TOP OF STAKES. DIRECTION AND APPROVAL OF INSTALLATION BY O.R.
- ③ TREE STAKES, SET VERTICAL OUTSIDE ROOTBALL. KEEP TOP OF STAKES 6" MIN CLEAR OF LIMBS. SET PARALLEL TO CONCRETE BAND.
- ④ FINISH GRADE
- ⑤ MULCH
- ⑥ WATERING BASIN LIP

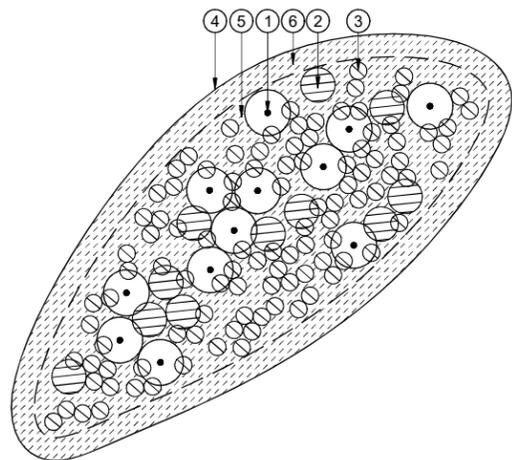
NOTE: SEE SPECIFICATIONS FOR SOIL MIX INFORMATION

3 TREE STAKING
SCALE: NTS



- ① PLANT GROWN IN CONTAINER SMALLER THAN 1 GALLON
- ② PLANTING PIT, EQUAL DIAMETER TO CONTAINER. USE DIBBLE OR HAND SPADE. SET CROWN ABOVE FINISH GRADE. PINCH SOIL TIGHT AGAINST ROOTS.
- ③ MULCH / SEEDING, SEE SPECIFICATIONS AND PLANS. KEEP MULCH CLEAR OF CROWN.

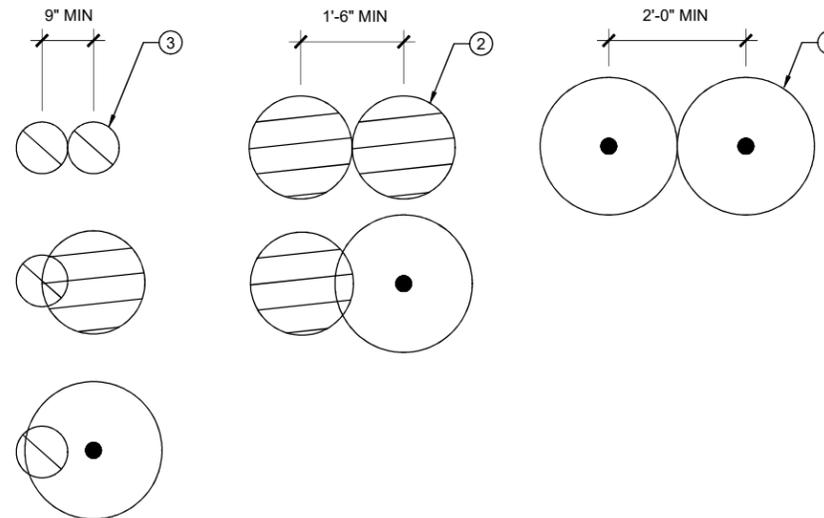
1 PLANT - SMALL
SCALE: NTS



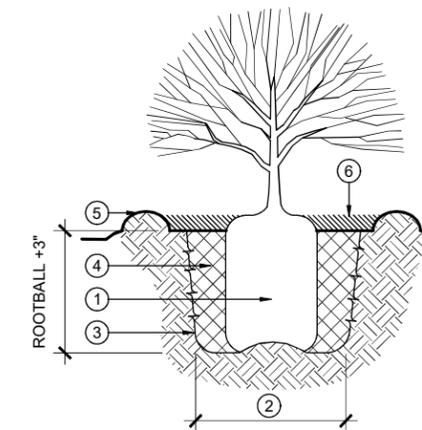
- ① LARGE SHRUB: MINIMUM DISTANCE OF 2' O.C.
- ② MEDIUM SHRUB AND PERENNIAL: MINIMUM DISTANCE OF 1'-6" O.C.
- ③ SMALL GRASSES / FORBS / SHRUBS: MINIMUM DISTANCE OF 9" O.C.
- ④ PATCH BOUNDARY EDGE
- ⑤ MULCH, 3" DEPTH SEE SPECIFICATIONS
- ⑥ CLEAR AREA (1' WIDE MIN)

NOTES:

1. CLUSTER PLANTS TOGETHER THROUGHOUT PATCH, DO NOT SPACE UNIFORMLY. SEE SPACING RULES ON DRAWING DETAIL.
2. PLANT SIZE AND PLANT COUNT VARIES PER INDIVIDUAL PATCH ID, SEE PATCH TYPE TABLES SHEET L-4.1, L-4.2
3. MAINTAIN CLEAR AREA BY KEEPING ALL PLANT ROOTBALLS 1'-0" FROM PATCH EDGE.
4. MAINTAIN MINIMUM DISTANCE NOTED BETWEEN PLANTS OF LIKE OR LARGER SIZE.



5 PATCH PLANTING AND SPACING
SCALE: NTS



- ① LARGE CONTAINER TREE OR SHRUB ROOTBALL (1 GALLON OR LARGER). SET CROWN 1-2" ABOVE FINISHED GRADE
- ② PIT DIAMETER, TWO TIMES THE ROOTBALL DIAMETER. EXCAVATE PIT 6" SHALLOWER THAN CONTAINER, DEEPER BEYOND ROOTBALL. PLACE ROOTBALL ON CENTER MOUND AS SHOWN.
- ③ EDGE OF PIT, FRACTURE & SCARIFY.
- ④ PLANTING MIX SOIL, BACKFILLED. HAND COMPACT IN 6" LIFTS
- ⑤ WATERING BASIN LIP, 2" HEIGHT. DOWN SLOPE EDGE ONLY IN SLOPED CONDITION; COMPLETE PERIMETER IN LEVEL CONDITION
- ⑥ MULCH TO 3" DEPTH AT WATER WELL.

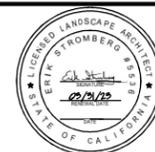
NOTE: SEE SPECIFICATIONS FOR SOIL MIX INFORMATION

2 PLANT - SHRUB
SCALE: NTS



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COURTLAND CREEK RESTORATION PROJECT
100% DESIGN



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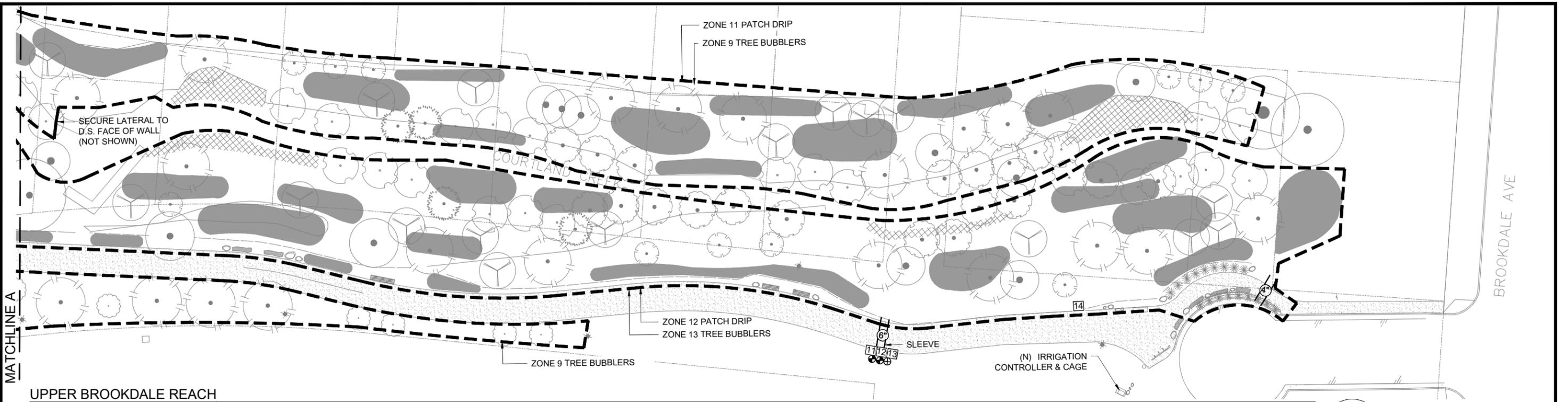
PLANTING DETAILS

PROJECT NO.
1005340

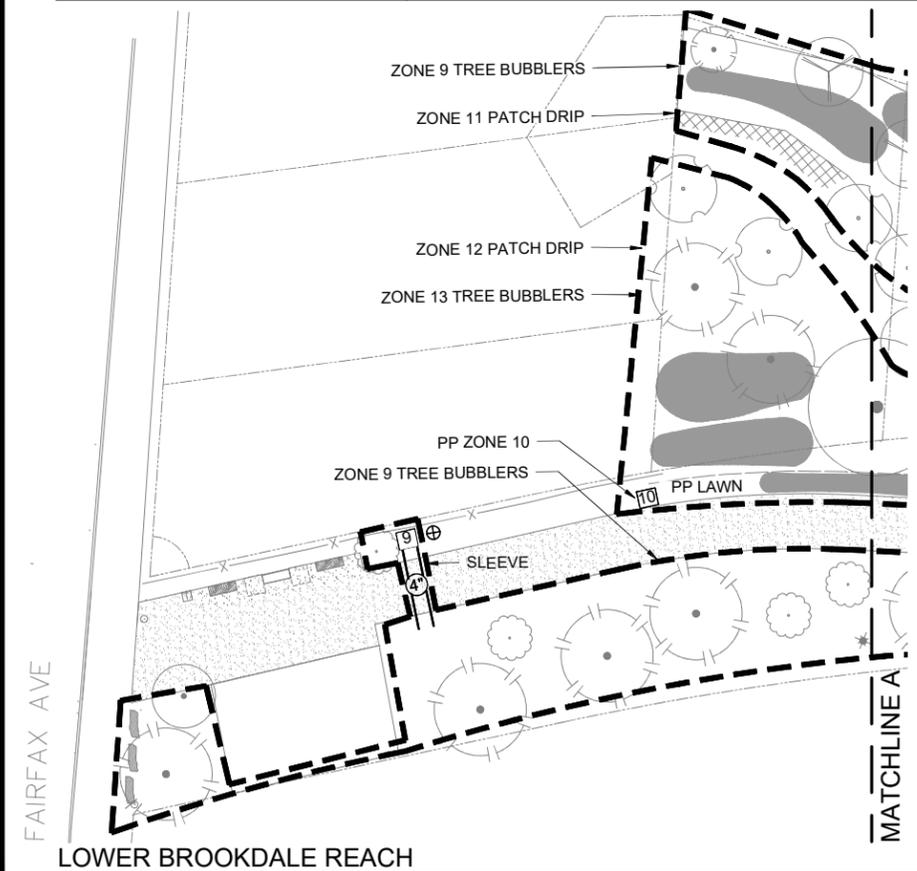
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HOR. VERT.
DATE: DEC 1, 2022

SHEET NO.
L-4.3

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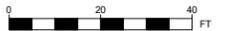
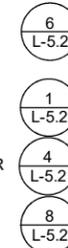
UPPER BROOKDALE REACH



LOWER BROOKDALE REACH

IRRIGATION LEGEND

- EASEMENT / PARCEL
- CONCRETE SPLIT RAIL FENCE
- (SEE AS BUILTS) IRRIGATION MAINLINE, SCHEDULE 40 PVC
- (4") IRRIGATION SLEEVE, SIZE AS NOTED IN BUBBLE. SCHEDULE 40 PVC. EXTEND 6" INTO PLANTER.
- (NOT SHOWN) IRRIGATION LATERAL, CLASS 40 PVC, SIZE PER CHART
- ⊕ HUNTER DRIP ZONE CONTROL KIT: MODEL ICZ-101 40 PSI, WITH ENSRIGHT PRESSURE REGULATOR (30 PSI) AND Y STRAINER WITH REMOVABLE STAINLESS STEEL FILTER
- ⊕ HUNTER REMOTE CONTROL VALVE: MODEL ICV, WITH ENSRIGHT PRESSURE REGULATOR (30 PSI) AND Y STRAINER WITH REMOVABLE STAINLESS STEEL FILTER
- (NOT SHOWN) RAINBIRD 1402 BUBBLER (0.5 GPM) ON FLEXIBLE SCHEDULE 40 PVC RISER (1 PER TREE)
- DRIP IRRIGATION, TEMPO 1/2" POLY DRIPPERLINE WITH CHECK VALVE (OR SIM) SPACED 24" BURIED 12" DEEP, WITH XQ100 1/4" POLY DISTRIBUTION TUBING (OR SIM) TO INDIVIDUAL PLANTS USING RAINBIRD SW05 0.5 GPH SPOT WATERING DRIP EMITTERS (OR SIM). KEEP 1/2" POLY LINE 18" OFF PATH.



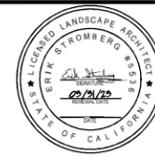
CITY OF OAKLAND

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COURTLAND CREEK RESTORATION PROJECT

City of Oakland, CA

100% DESIGN



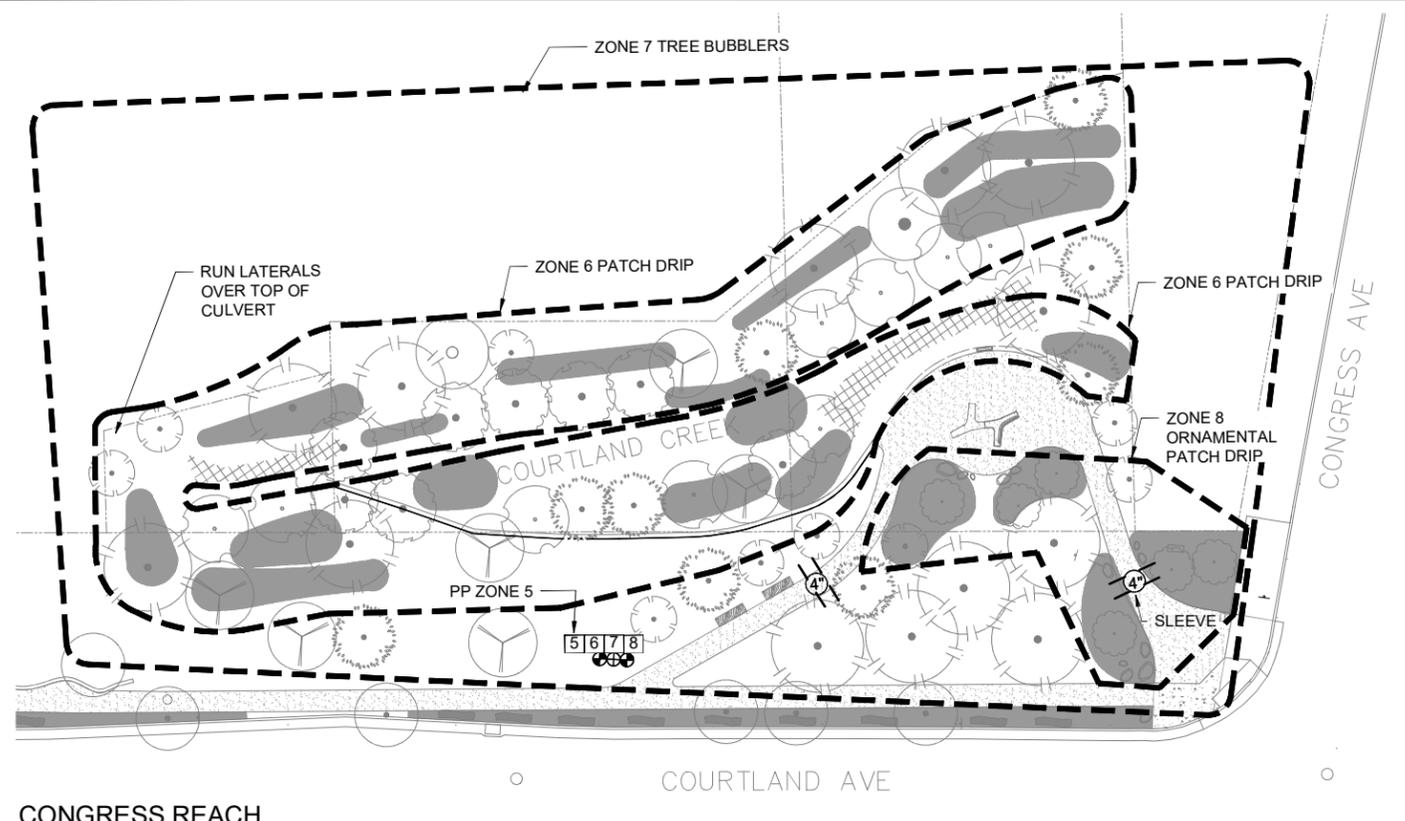
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CHECKED BY ES	---	---	---	---
DESIGNED BY ES	---	---	---	---
DRAWN BY TE	---	---	---	---

IRRIGATION DIAGRAM
BROOKDALE REACH

PROJECT NO.
1005340

SCALE: 1" = 20'-0"
HOR.
VERT.
DATE: DEC 1, 2022

SHEET NO.
L-5.0
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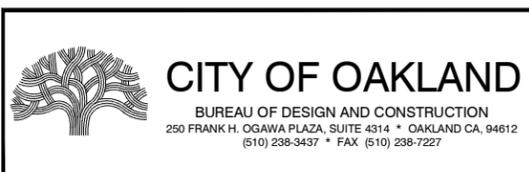
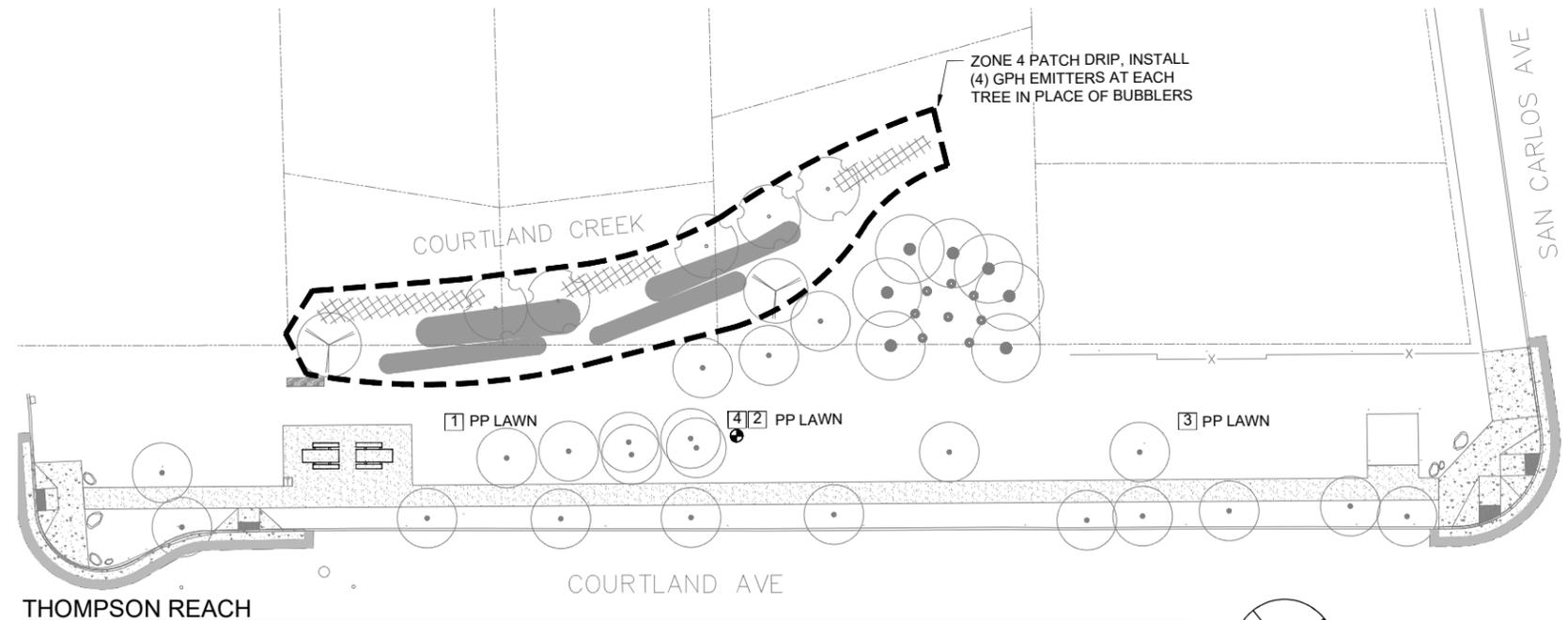


LATERAL SIZING CHART

1/2"	— 1-3 GPM
3/4"	— 4-9 GPM
1"	— 10-15 GPM
1 1/4"	— 16-24 GPM
1 1/2"	— 25-35 GPM
2"	— 36-52 GPM

IRRIGATION NOTES

- PROVIDE SLEEVING DIAGRAM FOR REVIEW AND APPROVAL BY O.R. PRIOR TO INITIATING ANY BASE COURSE OR PAVING IMPROVEMENTS.
 - IRRIGATION SLEEVING ARE SHOWN SCHEMATICALLY.
- PLANTING OPERATIONS SHALL NOT BE INITIATED PRIOR TO THE INSTALLATION AND APPROVAL OF THE IRRIGATION SYSTEM.
- SEE SPECIFICATIONS FOR BIDDER DESIGN IRRIGATION SYSTEM
 - SEPARATE ZONES BY IRRIGATION TYPE
 - PROVIDE BUBBLERS TO EACH TREE
 - PROVIDE DRIP IRRIGATION TO EACH PATCH
 - (E) TREES, LIVE CUTTING PATCHES, AND LANDSCAPE AREAS OUTSIDE OF PATCHES DO NOT REQUIRE IRRIGATION.
 - PP ZONES 1,2,3,5 AND 10. CONTRACTOR SHALL REPURPOSE ZONES 4,6,7,8,9,11,12,13, AND 14 FOR DRIP IRRIGATION IN PATCHES AND TREE BUBBLERS.
 - SIZE IRRIGATION LINES, PER PLANS.
 - ROUTE IRRIGATION EQUIPMENT THROUGH PROPOSED PLANTING AREAS TO REDUCE SLEEVING AND DISTURBANCE TO SITE IMPROVEMENTS AND PLANTINGS.
 - ACHIEVE AN EFFECTIVE LAYOUT AND ENSURE REVIEW AND APPROVAL BY O.R.
 - GROUP VALVES AND PLACE PARALLEL TO EDGE OF PAVING OR AS DIRECTED BY O.R.; SET FLUSH AND ALIGNED.
 - MATCH (E) VALVE BOXES, UNLESS O.R. PROVIDES APPROVAL TO REUSE EXISTING OR TYPE NOTED IN DETAILS.
 - ROUTE IRRIGATION MAIN AND LATERALS WITHIN PLANTED AREAS WHEREVER POSSIBLE.
 - INCLUDE CONTRACTORS RECOMMENDATIONS TO RESTORE IRRIGATION TO THE LAWN AREAS TO REMAIN.
- REVIEW (E) AS-BUILT DRAWINGS
 - CONFIRM INFORMATION PROVIDED HEREIN IS ACCURATE AND UP TO DATE.
 - LOCATION OF (E) IRRIGATION EQUIPMENT IS SHOWN SCHEMATICALLY.
 - VERIFY ZONE #'S ARE ACCURATE.
 - ZONES TO (E) LAWN ARE INTENDED TO REMAIN.
- VERIFY (E) SITE CONDITIONS
 - NOTIFY OWNER OF ANY DISCREPANCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE IRRIGATION SYSTEM AT THEIR OWN EXPENSE IF ANY OBSTRUCTIONS, UNKNOWN GRADE DIFFERENCES, ETC. ARE NOT REPORTED.
 - ASSESS AND DOCUMENT CONDITION OF IRRIGATION ZONES TO REMAIN PRIOR TO CLEARING AND GRUBBING AND DEMOLITION.
 - ANY DAMAGE NOT DOCUMENTED PRIOR TO CONSTRUCTION SHALL BE RETURNED TO WORKING ORDER AT CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL MAKE MINOR MODIFICATIONS TO THE IRRIGATION EQUIPMENT LAYOUT TO ENSURE FULL COVERAGE AT NO EXTRA COST.
- PP QUICK COUPLERS AND GATE VALVES AT EACH REMOTE CONTROL VALVE.
- LOCATE ALL IRRIGATION WIRES ROUTED TO (E) CONTROLLER. SPLICE NEW WIRES AND EXTEND TO NEW CONTROLLER.
- OPERATE IRRIGATION CONTROLLER BETWEEN THE HOURS OF 8:00 PM AND 10:00 AM.
- FLUSH AND ADJUST ALL IRRIGATION COMPONENTS FOR OPTIMUM PERFORMANCE.
- ALL IRRIGATION EQUIPMENT NOT DETAILED OR SPECIFIED SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND CONFORM TO 2021 GREENBOOK.
- SEE SPECIFICATIONS FOR ALL OTHER IRRIGATION REQUIREMENTS.



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DESIGNED BY ES	---	---	---	---
DRAWN BY TE	---	---	---	---

IRRIGATION DIAGRAM
CONGRESS & THOMPSON REACH

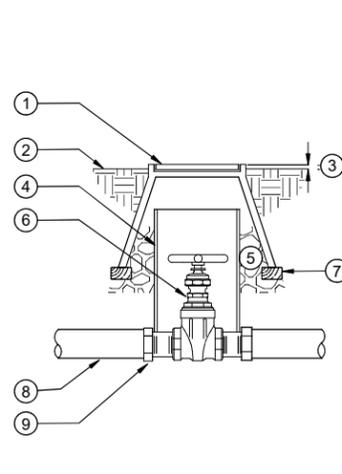
PROJECT NO.
1005340

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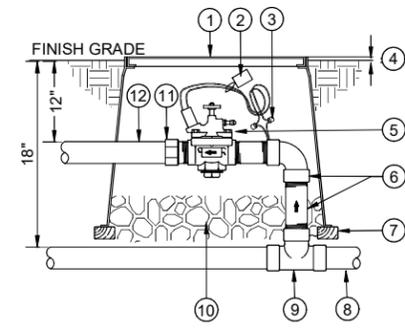
DATE: DEC 1, 2022 39 OF 41

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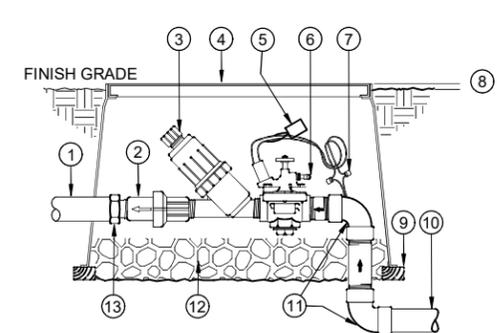


- ① P30 METER BOX (OR SIM), WITH MIN. 8" COLLAR, #4 REBAR OC.
- ② FINISH GRADE
- ③ FLUSH IN LAWN OR 1" ABOVE FINISH GRADE IN SHRUB OR GROUND COVER AREA
- ④ 8" PVC PIPE
- ⑤ PEA GRAVEL 4" DEEP (NO SOIL IN BOX)
- ⑥ GATE VALVE
- ⑦ BRICK-2 TOTAL
- ⑧ PVC MAIN LINE
- ⑨ PVC MALE ADAPTER

- ① 14"x19" RECTANGULAR PLASTIC VALVE BOX WITH BOLT DOWN LID. 1 REMOTE CONTROL VALVE PER BOX. VALVE LID SHALL BE PERMANENTLY INSCRIBED "CONTROL VALVE" AND WITH THE CONTROLLER STATION NUMBER
- ② VALVE I.D. TAG
- ③ 24 VOLT WIRE-PROVIDE WATER PROOF WIRE CONNECTORS AS REQUIRED AT ALL SPLICES AND 36" OF EXCESS WIRE COILED INSIDE VALVE BOX
- ④ FLUSH IN LAWN OR 1" ABOVE FINISH GRADE IN SHRUB OR GROUND COVER AREA
- ⑤ REMOTE CONTROL VALVE WITH FLOW CONTROL
- ⑥ SCHEDULE 80 PVC FITTINGS (AS REQUIRED)
- ⑦ BRICK-(4- TOTAL)
- ⑧ PVC MAIN LINE TO POINT OF CONNECTION
- ⑨ U.P.C/ APPROVED SCHEDULE 40 PVC TEE



- ⑩ PEA GRAVEL 4" DEEP BELOW VALVE (NO SOIL IN BOX)
- ⑪ PVC MALE ADAPTER
- ⑫ LATERAL LINE



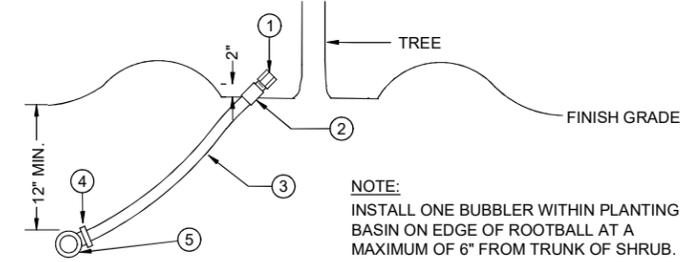
- ⑬ SCH. 80 PVC MALE ADAPTER (2 TOTAL)

- ① PVC MAIN LINE TO IRRIGATION SYSTEM
- ② SENNINGER 1" PMR-MF-30 IN-LINE PRESSURE REGULATOR
- ③ FILTER WITH REMOVABLE STAINLESS STEEL MESH SCREEN (OR EQUAL)
- ④ P30 METER BOX (OR SIM), WITH MIN. 8" COLLAR, #4 REBAR OC.
- ⑤ VALVE I.D. TAG
- ⑥ REMOTE CONTROL VALVE
- ⑦ 24 VOLT WIRE-PROVIDE WATER PROOF WIRE CONNECTORS AS REQUIRED AT ALL SPLICES AND 36" OF EXCESS WIRE COILED INSIDE VALVE BOX
- ⑧ FLUSH IN LAWN OR 1" ABOVE FINISH GRADE IN SHRUB OR GROUND COVER AREA
- ⑨ BRICK-(4- TOTAL)
- ⑩ PVC MAIN LINE FROM POINT OF CONNECTION
- ⑪ SCHEDULE 80 PVC FITTINGS (AS REQUIRED)

7 GATE VALVE

SCALE: NTS

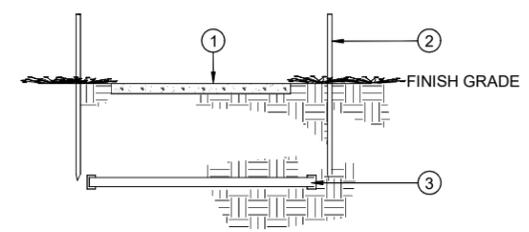
- ① BUBBLER, HIDE WITHIN MULCH LAYER
- ② 1/2" PVC MALE ADAPTER. INSTALL SPRING-LOADED CHECK VALVE BETWEEN MALE ADAPTER AND BUBBLER NOZZLE WHERE NECESSARY TO CONTROL LOW OUTLET DRAINAGE.
- ③ 1/2" IPS FLEXIBLE HOSE (PVC)(.840 O.D.) USE ONLY IPS WEL-DON #795 SOLVENT CEMENT WITH P-70 PRIMER ON THIS HOSE.
- ④ PVC TEE OR ELBOW.
- ⑤ PVC LATERAL LINE.



NOTE:
INSTALL ONE BUBBLER WITHIN PLANTING BASIN ON EDGE OF ROOTBALL AT A MAXIMUM OF 6" FROM TRUNK OF SHRUB.

4 REMOTE CONTROL VALVE

SCALE: NTS



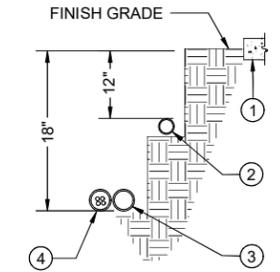
- SCHEDULE 40 PVC PIPE
- 4" DIAMETER FOR LATERALS
- 4" DIAMETER FOR MAIN
- 6" DIAMETER FOR MIN AND LATERALS
- ① 2"x4" STAKE TO MARK PIPE ENDS
- ② WALK OR DRIVE AS SPECIFIED ON PLAN
- ③ WRAP PIPE END SECURELY WITH DUCT TAPE

NOTE:
1. INSERT #4 REBAR SECTION OR OTHER METAL OBJECT INSIDE PIPE END PRIOR TO TAPING TO FACILITATE FUTURE FINDINGS OF SLEEVE WITH METAL DETECTOR. REMOVE REBAR PRIOR TO USING SLEEVE.

1 DRIP REMOTE CONTROL VALVE

SCALE: NTS

- ① CURB, WALK OR HEADER BOARD
 - ② NON-PRESSURE LINE (LATERAL)
 - ③ PRESSURE LINE (MAIN OR LATERAL)
 - ④ DIRECT BURIAL LOW VOLTAGE CONTROL WIRES INSIDE PVC CONDUIT
- NOTES:** 1. TRENCHING AND BACKFILLING SHALL BE PER STANDARD SPECIFICATIONS.
2. MINIMUM BACKFILL RELATIVE COMPACTION SHALL BE 90%.
3. BUNDLE CONTROL WIRES TOGETHER AND TAPE TO PIPE AT 10' INTERVALS.
4. 24" MIN. FOR ALL LINES UNDER VEHICULAR PAVING.
5. SNAKE ALL PIPE IN TRENCHES TO COMPENSATE FOR CONTRACTION & EXPANSION.
6. INSTALL SAND BACKFILL 2" BELOW AND 6" ABOVE PIPE IN ROCKY TERRAIN.



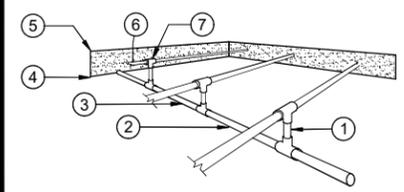
PVC CONDUIT SIZING CHART
14 AWG THWN WIRE INSIDE
SCHEDULE 40 PVC CONDUIT

CONDUIT SIZE	MAX. # OF CONDUCTORS
1" DIAMETER	10
1 1/4" DIAMETER	18
1 1/2" DIAMETER	25
2" DIAMETER	40
3" DIAMETER	88

8 TREE BUBBLER

SCALE: NTS

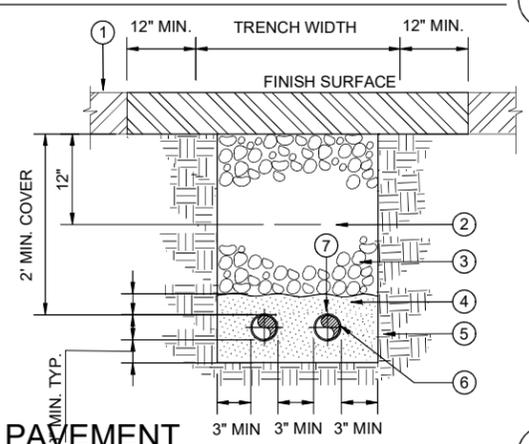
- ① BLANK DRIP TUBING
- ② PVC HEADER
- ③ SCH 40 PVC FITTING WITH COMPRESSION ADAPTER (TYP)
- ④ COMPACTED SUBGRADE
- ⑤ FINISH GRADE
- ⑥ SUBSURFACE DRIPLINE, 12" COVER
- ⑦ COMPRESSION FITTING (TYP)



5 IRRIGATION PIPE SLEEVE

SCALE: NTS

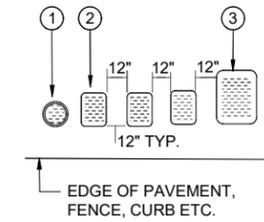
- ① TOP OF EXISTING A.C. PAVING
- ② WARNING TAPE
- ③ CLASS II A.B. 95% RELATIVE COMPACTION
- ④ SAND/PIPE ZONE AND BEDDING BACKFILL, SEE SPECS.
- ⑤ UNDISTURBED NATIVE SOIL
- ⑥ LOW VOLTAGE CONDUIT
- ⑦ IRRIGATION SLEEVE



2 IRRIGATION TRENCHING

SCALE: NTS

- ① QUICK COUPLING VALVE IN BOX
 - ② 14" X 19" RECTANGULAR VALVE BOX
 - ③ 13" X 24" RECTANGULAR VALVE BOX
- NOTES:** 1. CENTER BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE.
2. SET BOXES 1" ABOVE FINISH GRADE IN GROUND COVER/SHRUB AREA AND FLUSH WITH FINISH GRADE IN TURF AREA.
3. SET RCV AND VALVE BOX ASSEMBLY IN GROUND COVER/SHRUB AREA WHERE POSSIBLE. INSTALL IN LAWN AREA ONLY IF GROUND COVER DOES NOT EXIST ADJACENT TO LAWN.
4. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.
5. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOX EDGES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.
6. ALL VALVE BOXES SHALL HAVE BOLT DOWN LIDS.
7. VALVE LID SHALL BE PERMANENTLY INSCRIBED "CONTROL VALVE" AND WITH THE CONTROLLER STATION NUMBER.



9 SUBSURFACE CENTER FEED MANIFOLD

SCALE: NTS



6 SLEEVE TRENCH UNDER PAVEMENT

SCALE: NTS



3 VALVE BOX INSTALLATION

SCALE: NTS



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DESIGNED BY ES	---	---	---	---
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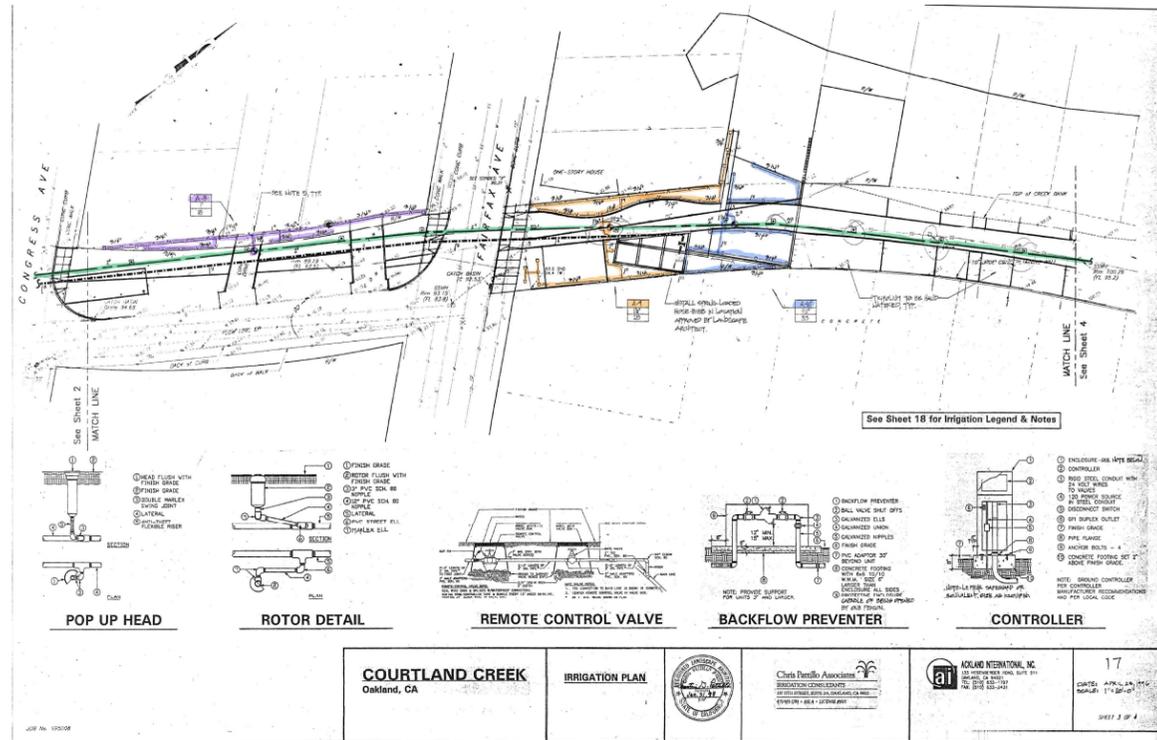
IRRIGATION DETAILS

PROJECT NO.
1005340

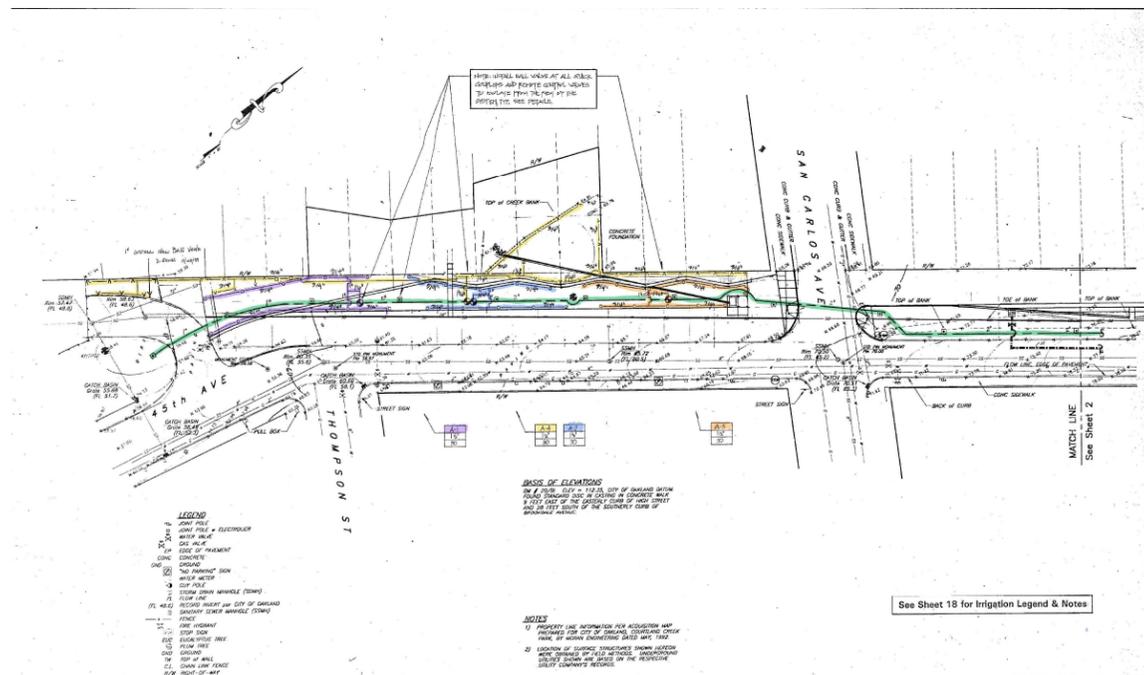
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40 OF 41

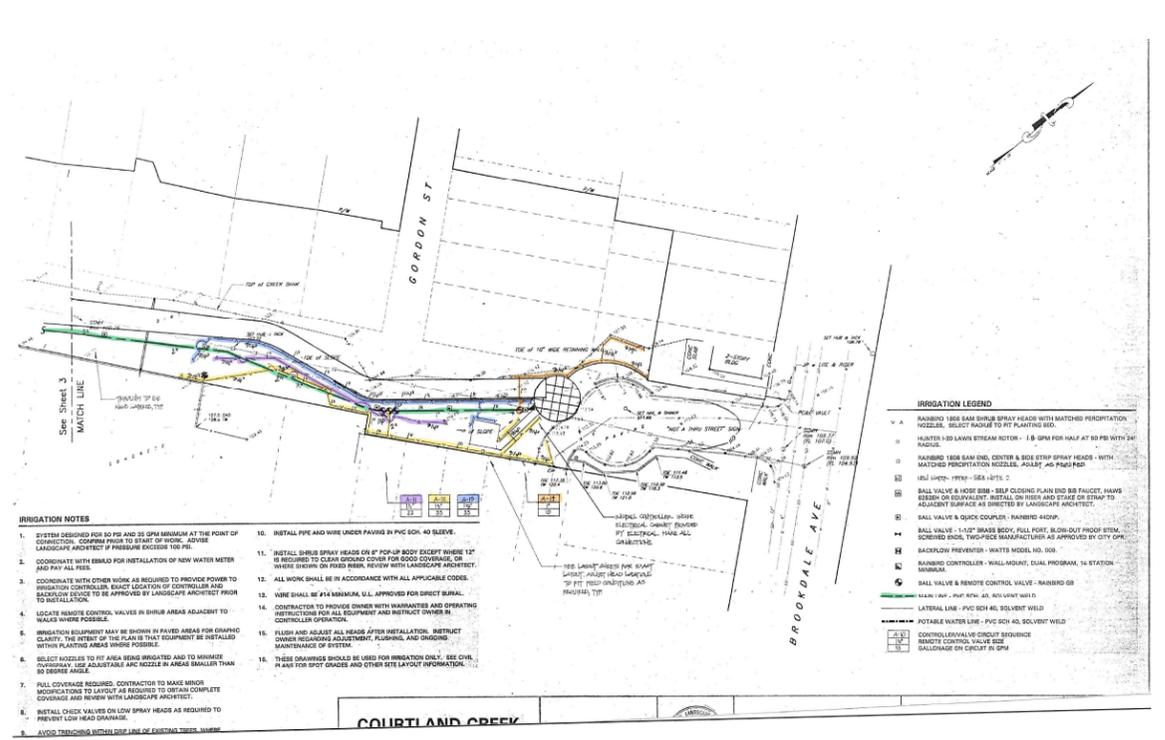
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PLT DATE: 12/1/2022



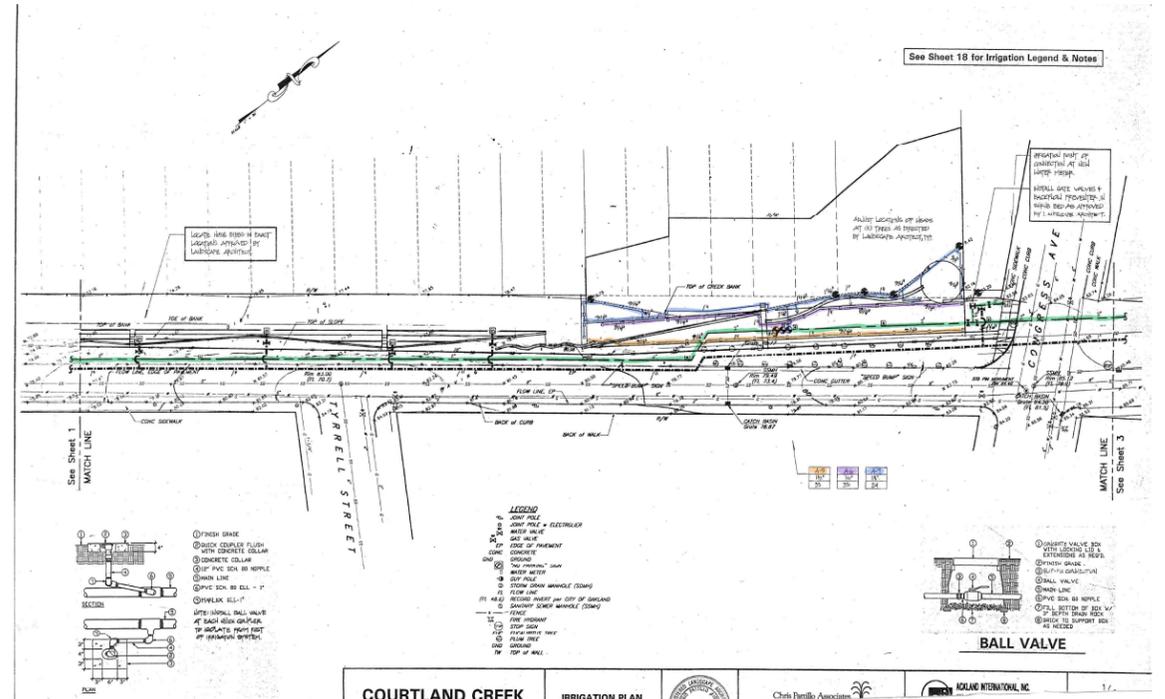
LOWER BROOKDALE REACH



THOMPSON REACH



UPPER BROOKDALE REACH



CONGRESS REACH



CITY OF OAKLAND
BUREAU OF DESIGN AND CONSTRUCTION
250 FRANK H. OGAWA PLAZA, SUITE 4314 • OAKLAND, CA, 94612
(510) 238-3437 • FAX (510) 238-7227

COURTLAND CREEK RESTORATION PROJECT
City of Oakland, CA
100% DESIGN



CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. _____ EXP. _____				
CHECKED BY ES				
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DRAWN BY TE				

IRRIGATION AS-BUILT DRAWINGS

PROJECT NO. 1005340	SHEET NO. L-5.3
SCALE: 1" = 20'-0"	DATE: DEC 1, 2022
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Courtland Creek Restoration Project Public Outreach

(Phases 1 and 2)

Overview: This report includes the public meeting summaries from both phases of the public outreach campaign conducted for the Courtland Creek Restoration Project. Also, included are the preliminary design comments and responses which showcase how community input informed the subsequent design revisions made before Phase 2 of public outreach began.

EXHIBIT B - PUBLIC OUTREACH
SUMMARY: PRAC Item 6A 1.11.2023



Phase 1 Public Meeting Summary Report and Appendices

Courtland Creek Restoration Project

Public Meeting Summary Report

Virtual Public Meeting

July 29, 2021

6:30–8 p.m.

Via Zoom

In-Person Public Meeting

July 31, 2021

10:30 a.m.–12 p.m.

Brookdale Park



Courtland Creek Restoration Project Overview

The Courtland Creek Restoration Project (Project), an Oakland Measure DD Initiative, will protect, enhance, and restore Courtland Creek in Courtland Creek Park. The Project will restore approximately 950 feet of open creek channel, and will provide accessible seating, gathering places, and a creek-viewing overlook. The Project will also improve creek habitat and water quality, reduce trash accumulation and illegal dumping, repair steep and eroding creek banks, enhance climate change resilience and park appearance, and serve the community as an educational and recreational resource. Project partners include the Oakland Parks and Recreation Foundation, the Friends of Courtland Creek, and local schools.

Project Team

- Jennifer Stern, City of Oakland
- Terri Fashing, City of Oakland
- Mandolin Kadera-Redmond, Oakland Parks and Recreation Foundation
- Paul Frank, FlowWest
- Anna Klaczyk Constantino, FlowWest
- Ivy Morrison, Circlepoint
- Patti Ransdell, Circlepoint



Meeting Noticing

Project neighbors who live within a 1,000 ft. radius from Courtland Creek Park were sent an invitation to both meetings via mail (Appendix A). The City of Oakland also posted information on the Project website, sent notifications via email, and made announcements via social media.

Meeting Summary

Public Meetings

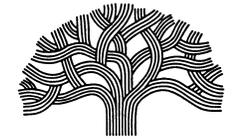
On Thursday, July 29 the City of Oakland held a virtual public meeting for the Courtland Creek Restoration Project via Zoom and provided the same presentation in-person on Saturday, July 31 at Brookdale Park in Oakland. There were 13 attendees at the virtual meeting (see attendee report in Appendix B) and 26 attendees at the in-person meeting (see sign-in sheets in Appendix C). The purpose of the meetings was to provide an update on the Project progress, receive community input on different design features, and encourage community members to stay up-to-date on the process and upcoming meetings.

The Project team used the Zoom Webinar format to accommodate possible interpretation needs and manage and respond to questions throughout the presentation.

The meetings began with introductions from the Project team, which is composed of the City of Oakland, the Oakland Parks and Recreation Foundation, FlowWest, and Circlepoint. Jennifer Stern, Watershed Program Specialist for the City of Oakland's Watershed and Stormwater Management Division, acknowledged the longstanding commitment to Courtland Creek and Courtland Creek Park by many of the stakeholders at the meeting.

The Project team then provided a presentation which included the history of the Project and the park, how the Project is being funded, and an explanation of the Project benefits. Flow West provided an overview of the preliminary design for the three project areas/creek reaches: Brookdale Reach, Congress Reach, and Thompson Reach.

The Project team also presented a Project timeline for completion of design and the window for construction. They also discussed the various construction activities that would take place, which include the removal of eucalyptus trees and non-native plants, concrete demolition, earthmoving and grading, the completion of trails, and planting native plants.



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After the Project updates, the Project team provided an opportunity for stakeholders to ask questions about the presentation and share their input on specific design features. A summary of key themes is provided below.

Design Elements

The Project team sought stakeholder input on the following design elements:

- Congress Reach Overlook Feature
- Creekside Seating
- Interpretive Educational Signage
- Tail and Lighting Design

The majority of attendees at both meetings preferred a natural style for all elements, so that the design reflects the creek setting. However, while this style is preferred, attendees also emphasized that having features that are durable, eco-friendly, and easy to clean is important, particularly to prevent the accumulation of graffiti and other acts of vandalism, which have been a problem previously in the park. It was asked if the conceptual designs have been analyzed with Crime Prevention through Environmental Design (CPTED) principles and experience and it was suggested that the Project team review seating/overlook designs in other Oakland parks that have proven to be durable.

Congress Reach Overlook Feature

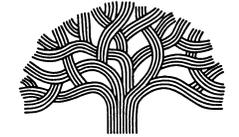
- Many attendees preferred a natural style, but acknowledged that a more modern design made with metal features may be easier to clean and maintain.

Creekside Seating

- There was a strong preference for natural-style seating, potentially using wood from the removed eucalyptus trees. It was also suggested that the Project create a comfortable seating option with back support and find ways to incorporate more mosaic work. It was noted that current concrete structures in the park have held up well, and this may be a suitable material for durable seating.

Interpretive Educational Signage

- There was again a preference for more natural-looking signage, with an emphasis on a material that is easy to clean. It was also asked if mosaic work could potentially be incorporated into sign design as well.



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Trail and Lighting Design

- Several attendees were most excited about the trail and lighting improvements the Project would create, noting these would be important to prevent crime and vandalism. Attendees had several questions on the type of material the trail will be made of, if it will be all-weather appropriate, and if it might be possible to allow bicycles upon it. The trail material is still being considered, but it will be ADA compliant and contiguous between all reaches (including some sidewalks).

Attendee Questions and Concerns

There were several questions and comments about elements outside of the design features presented. Key items along with responses are provided below.

- In addition to the design elements discussed, attendees also suggested adding dog waste bag dispensers, sturdy trash cans, and bollards.
- It was asked if the Project team will be laying back the creek banks in any of the reaches.
 - The Project team is planning to do that in the Congress Reach. In the Brookdale Reach, there are some areas where it is possible to do this, but that Reach is much more limited due to private parcels adjacent to the Creek. In the Thompson Reach there is no need for this.
- There were several questions surrounding trees in the park, including If all eucalyptus trees will be removed, what will happen to any remaining tree stumps, and what type of native plants will replace trees removed.
 - All of the eucalyptus trees in the Brookdale and Congress reaches will be removed. The project team is unsure about which removal technique they will take – it will be in line with green solutions and safe herbicides may be possible. The preference of the City and designers is to totally remove them and not leave any stumps remaining. Trees that will be planted to replace those removed can include Willow, Cottonwood, Box Elder, Oak.
- Attendees wanted to know about outreach efforts to specific Project neighbors, including those in nearby buildings and those who live in homeless encampments.
 - The City and Project team have been actively reaching out to these groups and will continue to do so throughout the duration of the Project.
- Attendees wanted to know what the level of environmental review for the Project is.



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- The City has a CEQA (California Environmental Quality Act) clearance for Measure DD Projects. For this particular project, the City will have to obtain permits from several environmental protection agencies, including CA Dept Fish & Wildlife, US Army Corps of Engineers, and the Regional Water Quality Control Board.
- In addition to comments on the proposed design features, attendees also expressed concerns related to the park, including issues of vandalism and graffiti, cars driving through or parking in the park, and unhoused people in the park.
 - The Project team is sharing these concerns with the appropriate City staff to address.

Polling

- Attendees at both meetings were asked about their relationship and engagement with Courtland Creek Park via polls. At the in-person meeting, the poll was conducted via a feedback form distributed and then collected during the meeting (Appendix D). At the virtual meeting, polls were conducted via Zoom (Appendix E).

Conclusion and Next Steps

- Attendees can provide additional feedback on design elements through August 15, 2021 by emailing watersheds@oaklandca.gov. Many attendees also expressed interest in joining the Friends of Courtland Creek and participating in additional park activation activities, such as cleanups and educational outings. The next public meeting will take place in late 2021.



Preliminary Design Comments and Responses

Feature	Summary of Comments	How The Design Incorporates Comments
Congress overlook railing style	<ul style="list-style-type: none"> • Preference for natural style • Ease of cleaning and maintenance 	The current design includes a wooden railing with wire mesh.
Creekside seating style	<ul style="list-style-type: none"> • Strong preference for natural-style seating • Use wood from the removed eucalyptus trees • Comfortable seating; incorporate mosaic work • Concrete structures in the park have held up well 	Two accessible benches with backs and armrests will be featured in the park (one in the Brookdale reach and one in the Congress reach). Concrete seating at the overlook will incorporate mosaic work. Other benches made from eucalyptus lumber.
Interpretive signage style	<ul style="list-style-type: none"> • Natural-looking signage, with an emphasis on a material that is easy to clean 	Signs will be made of durable material, such as Image-LOC aluminum or other durable materials. Image-LOC has a good track record for being graffiti-proof and vandal-resistant. The fabricator will apply an anti-graffiti coating to the finished signs to make it easier to remove graffiti.
Trail style	<ul style="list-style-type: none"> • Excitement about the trail and lighting improvements the Project would create - prevent crime and vandalism • Trail surface - all-weather appropriate and bicycle access 	The trail material will likely be surfaced with Granitecrete, which is ADA compliant. Granitecrete surfacing material is all-weather and suitable for bicycle traffic, yet has a more natural appearance than asphalt. Lighting may be added to existing light poles throughout the park.

Feature	Summary of Comments	How The Design Incorporates Comments
<p>Railing in Brookdale Reach to discourage dumping</p> <p>Crime Prevention Through Environmental Design (CPTED)</p>	<ul style="list-style-type: none"> Community expressed desire for materials that were robust and discourage vandalism. Will this be incorporated? 	<p>Concrete split rail fencing is more durable than wood, easy to maintain, and will make it more difficult to push large objects into Creek.</p> <p>Natural surveillance- Trails, overlooks and open spaces are clearly visible from adjacent streets and/or overlooked by housing.</p> <p>Trails have more than one exit/entrance to avoid entrapment. Seating areas are close to pathways. Pathways prioritize a border of low-lying vegetation</p> <p>Territorial reinforcement—Clearly defined and upgraded trails and improved amenities. Fencing delineates which areas are and are not to be occupied and minimizes opportunities for dumping.</p> <p>Maintenance and management- This was considered throughout the design stage. Material and finish selection focus on durability and vandal resistance to minimize maintenance. Plant material and location is selected for its size at maturity to avoid blocking of sight lines. City is prepared to take on long term maintenance.</p>



Phase 2 Public Meeting Summary Report

Courtland Creek Restoration Project

Public Meeting Summary Report

Virtual Public Meeting

May 12, 2022

6:30–8 p.m.

Via Zoom

In-Person Public Meeting

May 14, 2022

10:30 a.m.–12 p.m.

Brookdale Park

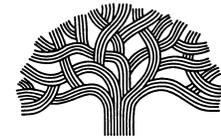


Courtland Creek Restoration Project Overview

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Project Team

- Jennifer Stern, City of Oakland
- Mandolin Kadera-Redmond, Oakland Parks and Recreation Foundation
- Paul Frank, FlowWest
- Anna Klaczyk Constantino, FlowWest
- Jaime Luo, FlowWest
- Ivy Morrison, Circlepoint
- Patti Ransdell, Circlepoint



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- Regina Merrill, Circlepoint
- Joaquin Carrig, Circlepoint

- Laurie O'Brien, Circlepoint

Meeting Noticing

Project neighbors who live within a 1,000 ft. radius of Courtland Creek Park were sent an invitation to both meetings via mail (Appendix A). The City of Oakland also posted information on the Project website, sent notifications via email, and made announcements via social media.

Public Meeting Summary

On Thursday, May 12 the City of Oakland held a virtual public meeting for the Courtland Creek Restoration Project via Zoom and provided the same presentation in-person on Saturday, May 14 at Brookdale Park in Oakland. There were seven attendees at the virtual meeting (see attendee list in Appendix B) and 14 attendees at the in-person meeting (see sign-in sheets in Appendix C). The purpose of the meetings was to provide an update on the Project progress and gain additional input from the community. Since the previous public meetings in July 2021, the Project consultant has completed draft 65% designs, which incorporate feedback received in previous public outreach.



The meetings began with introductions from the Project team, which is composed of the City of Oakland, the Oakland Parks and Recreation Foundation, FlowWest,



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and Circlepoint. The Project team then provided a presentation which included the history of the Project and the park, how the Project is being funded, and an explanation of the Project benefits. Flow West provided an overview of the channel design features, recreation and safety features, and planting zones for each of the three Project areas/creek reaches: Brookdale Reach, Congress Reach, and Thompson Reach. FlowWest provided a grid showing comments received on the preliminary designs and how the current designs will incorporate them. For example, a variety of benches will be installed, including those that are accessible and those that will be made from repurposed eucalyptus logs from the trees that will be removed. While the main focus of the Project is creek restoration, there will be many benefits to the park that will make it more visitor-friendly.

Attendee Questions and Comments

After the Project updates, the Project team provided an opportunity for stakeholders to ask questions about the presentation and share their input. A summary of questions and comments, along with responses, is provided below.



- Is the money that Councilmember Sheng Thao's office received for recreational improvements to the park included in the Project funding?
 - No. Money from Councilmember Thao is for improvements to other recreational features near the creek, while Project funding is solely for the creek restoration and trail enhancements. Project funding is



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provided by Measure DD: Oakland Trust for Clean Water and Safe Parks Bond, Alameda County Flood Control and Water Conservation District, Department of Water Resources Urban Streams Restoration Program, Environmental Protection Agency San Francisco Bay Water Quality Improvement Fund, and the Caltrans Clean California Local Grant Program. Money from Councilmember Thao was for improvements to other recreational features near the creek, while Project funding is solely for the creek restoration and trail enhancements.

- Who from the neighborhood is involved in park improvements outside of the Project, and how do we keep in touch?
 - Anyone who is interested in becoming more involved in the Project is invited to reach out to Mandolin Kadera-Redmond (OPRF) at friendsofcourtlandcreek@gmail.com, and is invited to join the next Friends of Courtland Creek Meeting taking place 5/19 via Zoom.
- Will there be any areas that provide direct access to the creek? There was initial desire to allow kids to play in it.
 - There are locations that will allow maintenance access in some of the reaches. They will allow people to walk down to creek, but they are not official path as they are not ADA accessible.
- Is there any way to avoid a fence or concrete wall in the Brookdale to have a more natural creek look? Some attendees are in favor of having fencing at the cul-de-sac area but wanted to minimize it in other areas, where the littering and illegal dumping are not as prevalent.
 - There will not be a concrete wall, the goal is to make it look like a natural creek environment. There will be a concrete split rail fence instead, which will provide a more natural look while also serving the purpose of keeping trash out. Some park visitors wanted a railing installed as the bank is steep.
- Is there an opportunity for youth paid apprentices in rebuilding and maintenance?
 - Yes, the City of Oakland is hoping to work with Civicorp, which is a job training program for youth for some of the work on this Project. One of the goals of the Project is to include community and youth.
- There was a suggestion to involve students at Fremont high school who make benches for different organizations.
 - While the benches made from the removed eucalyptus trees will need to be made by a milling company, several different styles of benches



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are being considered, and the Project team can explore other options like these.

- Has a dog park been considered as part of this Project? It was suggested that this may help reduce crime.
 - The focus of this Project is creek restoration, not recreation, but this may be a good suggestion to raise with Councilmember Thao. Other amenities like waste bag dispensers
- Could the larger exotic trees be removed? One attendee noted that on the entrance of culvert opposite to the street there is a large acacia.
 - The Project team is aware of a few smaller acacia trees, which are getting removed. The City's priority is removing the eucalyptus and not changing the character of the Thompson Reach.



- As the Project team is planning to plants, is there an opportunity to collaborate on the planting and design?
 - Yes, there will be opportunities to collaborate on planting and design. The Project team can present which plants are proposed to local students and show why they have been selected. A contractor has been hired for planting and maintenance for three years, the progress and success of which will be monitored regularly. However, some plants will be kept back for a community planting day.



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- Are there documented amphibian populations in the creek?
 - There are no documented amphibian populations, there may have been some anecdotal sightings from previous residents but nothing else.
- Attendees expressed concerns about the chop shop that operates off Brookdale and asked if the City has a plan to address this.
 - This is outside the scope of this Project, but it is being discussed at the Friends of Courtland Creek meeting next week.
- Is the diversion channel only activated if there's a significant rainfall? At what threshold is it activated?
 - It does not take much flow for at all for the diversion channel to be activated, it is located downstream at the end of the Brookdale Reach. The City wants to maximize the amount of water in the downstream reaches. In a typical storm event, 80-90% will go down the bypass and 10-20% will go through the creek.
- At the Thompson Reach there are dead tree carcasses, will these be removed? It was noted that these dead trees present a safety concern and their removal could provide more opportunities for living plants.
 - The plan is not to remove these, but the Project team is open to that kind of input if there's a strong desire for them to be removed.
- There is a fence that has fallen and is covered in ivy from one of the neighbors, can this be removed?
 - The fence will be removed.
- Is there an opportunity for a flat surface or a table for students to perform testing at?
 - The Project team can investigate this.
- Will the Welcome to Courtland bench in the middle of the creek stay?
 - The bench will stay, the Project team is hoping to do more mosaic work at the concrete bench at the Congress Reach.
- Can you jog on the trail?
 - Yes
- Will there be any lighting in the Congress and Thompson Reaches? Is solar lighting being considered as an option? Lighting is important!
 - The only lighting improvements will be replacing the bulbs in the light fixtures in the Brookdale Reach. Other Reaches don't currently have the electrical wiring for light fixtures and adding that infrastructure isn't currently in the scope. The Project team can talk to Councilmember Thao if there is significant interest in lighting.
- There were concerns related to residents in nearby apartment buildings. It was asked if anything is being done to address these.



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- The apartment building is working with the Project team to address this concern. And one of the specific residents in question has been told to vacate the building.
- The yellow barriers keeping cars out of the three designated reaches are welcomed. What about adding them to the reach between Congress and Thompson? It is currently being used as a parking lot, as is the hopscotch and four-square space.
 - The hopscotch space and reach mentioned are outside of the Project area. The Project team would have to ask Councilmember Thao about any work concerning reaches outside of the scope.
- An attendee suggested using the concrete wall located in one of the Reaches for tennis or racquetball. Another attendee suggested a mural could be painted on it and that he knows a lot of local muralists.
 - The trail area isn't large enough to be used for tennis. It could possibly be done near the basketball court.
- Why aren't the plum trees and large ash tree being removed from the Thompson Reach?
 - The Project team is attempting a light-handed approach to this reach. Some plum trees will be taken out. Regarding the ash tree, that could be discussed during the next round of design.
- Will removed trees be replaced to prevent people from parking in that space?
 - Railings will be added to prevent people from parking in open spaces. Where there are larger spaces we can put a boulder or maybe logs from the cut down eucalyptus trees.
- Can you prevent scratching on signage?
 - The material that will be used for signage is supposed to be scratch resistant.
- Where do the creeks go?
 - The creeks are part of the Peralta system. They empty out into the San Leandro Bay, near the southeastern tip of Alameda. Most of the creeks are underground until they spill out into the estuary. Also, most reaches of the creek are on private land.
- Will the crib wall downstream get touched?
 - No. Limited work is being done to that area.
- How realistic is the timeline?
 - The Project team is optimistic about the timeline, but it can take a long time for permits to be approved. Ideally, they will be approved by the end the year and almost certainly by next summer. The bid process could take some time as well, maybe as long as eight months



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- Will there be a communal gardening space?
 - There is an existing community garden space in the park. An additional garden space could be considered if there is interest.
- Are any of the construction contractors bidding for the Project from the community?
 - The Project team is making sure local contractors are considered is part of the process. There is an emphasis on hiring local minority-owned small businesses. Also, anyone who's interested can submit a bid.
- An attendee commented that this Project is the most exciting thing to happen in Courtland Creek since the park first opened. It is great for neighborhood safety.

Polling

- Attendees at both meetings were asked about their engagement with Courtland Creek Park via polls. At the in-person meeting, attendees were asked to raise their hand to indicate their response. At the virtual meeting, polls were conducted via Zoom. Combined results from both meetings are provided in Appendix D.

Conclusion and Next Steps

- Attendees can provide additional feedback through May 31, 2022 by emailing watersheds@oaklandca.gov or completing the survey available on the [project website](#). Many attendees also expressed interest in joining the Friends of Courtland Creek and participating in additional park activation activities, such as cleanups and educational outings. The next Friends of Courtland Creek Park meeting will take place via Zoom on May 19; those interested in joining can email Mandolin Kadera-Redmond (OPRF) at friendsofcourtlandcreek@gmail.com to register.
- Beginning in July 2022, the Project will enter phase III, which includes construction bidding and contractor selection. Additional updates will be provided on the Project website as they are available.



CITY OF OAKLAND
Oakland Parks, Recreation & Youth Development

TO: Princess Allen, Chair, Parks & Recreation Advisory Commission
FROM: Alan Phan, Public Service Representative
DATE: January 3, 2023
SUBJECT: REQUEST APPROVAL FROM THE PARKS AND RECREATION ADVISORY COMMISSION TO ALLOW THE PERALTA PARENT TEACHER GROUP (PPTG) PERMISSION TO COLLECT ONSITE DONATIONS, TICKET SALES AT DOOR AND HOST A SILENT AND LIVE AUCTION AT THEIR FUNDRAISING EVENT TO BE HOSTED AT LAKE MERRITT SAILBOAT HOUSE ON SATURDAY MARCH 18, 2023, FROM 2:00PM-10:00PM.

SUMMARY

Oakland Parks, Recreation and Youth Development received a request from Peralta Parent Teacher Group (PPTG), a non-profit group of parents and teachers dedicated to supporting and enriching the education of children through fundraising, community building, and recruiting and coordinating parent volunteers to raise funds, provide programs, and make enrichment decisions that affect all children attending Peralta Elementary School. PPTG is requesting ticket sales at the door on event day, collection of onsite donations and host a silent/live auction at their fundraising event at the Lake Merritt Sailboat House, on Saturday, March 18, 2023. The event organizer is aware of the additional permits required. Approval from the Parks and Recreation Advisory Commission is required per O.M.C. section 12.64.080.

FISCAL IMPACT

Peralta Parent Teacher Group (PPTG) is paying all the rental fees associated with the event estimated at \$1425.00.

PROJECT / PROGRAM DESCRIPTION

This event includes a silent online auction and a live in-person auction. Peralta parents, guardians, and staff members are invited to join this adult-only event. There will be presales of tickets and day of event tickets sold at the door along with food, drinks and entertainment.

The PPTG will collect funds electronically. Mode of payments for all transactions is credit or debit card and bids will be collected for auction items won by the Peralta community.

The estimated attendance is 100.

BACKGROUND / LEGISLATIVE HISTORY

The Peralta Parent and Teacher group is a non-profit Community that started in 1971; the group was made to support and enrich the education of all children attending Peralta Elementary School.

RECOMMENDATION

Staff recommends that the Parks and Recreation Advisory Commission approve the request from Peralta Parent and Teacher Group (PPTG) to collect onsite donations, sales of tickets at door and to host a silent and live auction at their Fundraising event, held at Lake Merritt Sailboat House on Saturday, March 18, 2023, from 2:00pm-10:00pm.

Respectfully submitted,

/s/ Alan Phan

Prepared by:

Alan Phan

Public Service Representative

/s/ Zermaine Thomas

Approved by:

Zermaine Thomas

Special Events Coordinator

Attachments: Exhibit A – Peralta Parent Teacher Group Proposal Letter
Exhibit B – Peralta Parent Teacher Group Non-Profit Certificate (501c3)

Peralta Parent Teacher Group
460 63rd Street
Oakland, CA 94609
(510) 654-7365

Oakland Parks and Recreation
250 Frank H. Ogawa Plaza, Suite 3330
Oakland, CA 94612
(510) 654-7365

Subject: Proposal Letter to the Parks and Recreation Advisory Commission

Dear Oakland Parks and Recreation Department,

The Peralta Parent Teacher Group (PPTG) is the supporting arm of Peralta Elementary School in Oakland, California. Incorporated formally in 1971, the PPTG is a nonprofit group of parents and teachers that are dedicated to supporting and enriching the education of our children through fundraising, community building, and recruiting and coordinating parent volunteers to raise funds, provide programs, and make enrichment decisions that affect everyone at Peralta Elementary School.

We plan to host the 2023 Peralta Auction at the Lake Merritt Sailboat house. Our event includes a silent online auction and a live in-person auction. Peralta parents, guardians, and staff members are invited to join this adult-only event. Tickets will be pre-sold online and we will also have tickets available for purchase at the door. We will supply food, drinks, entertainment, and most importantly, fundraising! We will auction off items donated by businesses and families, gift baskets created by each classroom, and a unique art project designed by each grade.

In service of this event, the PPTG would like to request to collect funds electronically at the Lake Merritt Sailboat House. We will sell tickets at the door and collect bids for auction items won by the Peralta community.

This is Peralta Elementary School's largest fundraising event of the year. Our public school heavily relies on this fundraiser to pay for essential programs. It is absolutely crucial to our school's academic sustainability. 100% of the funds raised and collected at this auction event will go into the PPTG Fund which directly pays for teachers and teacher's aides that are not provided by Oakland Unified School District. Our school tirelessly fundraises, so that the students can have access to a PE teacher, an Art teacher, two Music teachers, a garden teacher, 6 teacher's aides, a full-time substitute teacher, essential school supplies, funds for field trips, and more.

Funding for our school has never been more important, as we are facing steeply increasing costs for staff and supplies, and an unprecedented level of need from our students who are struggling to readjust to school after the pandemic. We hope Oakland Parks and Recreation will support our public school by approving our proposal. Thank you.

Sincerely,
Jenny Wehrt
PPTG Auction Co-Chair
(415) 515-9501

Internal Revenue Service

Date: October 2, 2007

PERALTA PARENT GROUP INC
EMERALD CITY CHILD CARE
460 63RD ST
OAKLAND CA 94609-1339

Department of the Treasury
P. O. Box 2508
Cincinnati, OH 45201

Person to Contact:
S. Katherine Converse 17-57074
Customer Service Specialist
Toll Free Telephone Number:
877-829-5500
Federal Identification Number:
94-2831259

Dear Sir or Madam:

This is in response to your request of October 2, 2007, regarding your organization's tax-exempt status.

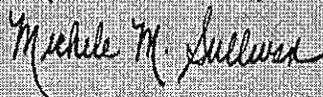
In September 1982 we issued a determination letter that recognized your organization as exempt from federal income tax. Our records indicate that your organization is currently exempt under section 501(c)(3) of the Internal Revenue Code.

Our records indicate that your organization is also classified as a public charity under sections 509(a)(1) and 170(b)(1)(A)(vi) of the Internal Revenue Code.

Our records indicate that contributions to your organization are deductible under section 170 of the Code, and that you are qualified to receive tax deductible bequests, devises, transfers or gifts under section 2055, 2106 or 2522 of the Internal Revenue Code.

If you have any questions, please call us at the telephone number shown in the heading of this letter.

Sincerely,



Michele M. Sullivan, Oper. Mgr.
Accounts Management Operations 1