

**CITY OF ALBANY
CITY COUNCIL AGENDA
STAFF REPORT**

Agenda date: June 21, 2022
Reviewed by: NA

Subject: Annual Street Rehabilitation Program (CIP No. 21000)
Marin Avenue Pavement and Curb Ramp Rehabilitation Project – Phase 1
Approval of Contract Change Order (CCO) No. 5 to Contract No. C21-49

Report By: David Lam, Associate Engineer
Allison Carrillo, CIP Program Manager
Mark Hurley, Public Works Director/City Engineer

SUMMARY

The issue before the Council is to approve Contract Change Order (CCO) No. 5 to Contract No. C21-49 in the amount of \$1,883,404.00 for the construction of the Marin Avenue Paving and Curb Ramp Rehabilitation Project – Phase 1 (Project). The Project is part of the Annual Street Rehabilitation Program (CIP No. 21000); the method for award outlined in this report is recommended to execute the project successfully and in the appropriate timeframe.

STAFF RECOMMENDATION

That the Council adopt Resolution No. 2022-68, authorizing the City Manager to execute Contract Change Order (CCO) No. 5 to Contract No. C21-49 in the amount of \$1,883,404.00 using funds previously appropriated as part of the City’s Annual Street Rehabilitation Program (CIP No. 21000).

BACKGROUND

The City of Albany currently maintains 29.6 centerline miles of roads representing 5,050,980 square feet of pavement. The Annual Street Rehabilitation Program was established as per the City’s Capital Improvement Plan (CIP) in order to improve and maintain pavement conditions in the City.

The location and the schedule coordination required for the Marin Avenue Paving and Curb Ramp Rehabilitation Project – Phase 1 (Project) construction is interrelated with several current and planned projects. The related projects and their coordination with the subject Project are described below.

Washington Avenue Pavement Rehabilitation Project – Phase 2

On December 20, 2021, Council awarded Contract No. C21-49 to McGuire and Hester to construct Phase 2 of the Washington Avenue Pavement Rehabilitation Project. The base

contract work is substantially complete along Washington Avenue from Cornell Avenue to Masonic Avenue and work was performed on-time and under budget.

In addition to substantially completing work on Washington Avenue, McGuire and Hester also completed two additional highly complex change orders requiring critical timing with AUSD schedules. These projects included pavement repairs at Jackson Avenue & Buchanan Street (Resolutions No. 2022-19 and No. 2022-37), along with minor increases to quantities and project limits for project coordination with the 2022 Annual Pavement Rehabilitation Project, and repairs of curb ramps under approved contract change orders. All of this additional and necessary work was successfully performed within the original project schedule.

Marin Avenue Paving and Curb Ramp Rehabilitation Project – Phase 1

In January 2020, the City entered into an ADA settlement agreement which require the City to provide accessible curb ramps along Marin Avenue from Masonic Avenue to Tulare Avenue by January 2024.

On November 2, 2020, Council approved a contract with CSG Consulting Engineers for engineering design services for the Annual Street Rehabilitation Program (CIP No. 21000), including the Marin Avenue Paving and Curb Ramp Rehabilitation Project.

In November 2021, staff was made aware of EBMUD plans to replace a water line main below Marin Avenue from Key Route Boulevard through the City Limit with Berkeley targeting Fall 2022 to Winter 2023. After further discussion with EBMUD on aligning their work with the Marin Avenue paving schedule, staff separated the Marin Avenue Paving and Curb Ramp Rehabilitation Project into two phases (Phase 1: Cornell to Key Route and Phase 2: Key Route to City Limits). Under this phased approach, the City was able to coordinate paving with its signal improvement project at Masonic Avenue & Marin Avenue under the Masonic Intersections (Ohlone Trail Safety) Project in Fall 2022 and complete Marin Avenue paving and regrading in Phase 2 after EBMUD finishes construction on the water line replacement.

Staff presented design elements of the Marin Avenue Paving and Curb Ramp Rehabilitation Project to the Transportation Commission in April and May 2021 and 100% design drawings for Phase 1 limits on February 24, 2022. The project plans were recommended for approval with comments. Table 1 summarizes comments received from the Commission that were incorporated into the design.

Table 1. Transportation Commission Comments

Comments	Action
Provide ADA improvements, where needed, that do not preclude future protected bike lane.	Addressed, except at intersections of priority sidewalk and pathway networks (Talbot Avenue, Masonic Intersections)
Support for correction of roadway cross-slopes for future potential bike lane.	Not applicable for Phase 1 limits.

10-ft traffic lanes, 4-ft bike lane and 2-ft buffers on both sides.	Included.
Support of crosswalks at all four crossings	Included.
Painted bulbout evaluation and proposal	Evaluation and proposal for standardized corridor approach to be presented to Commission the Phase 2 presentation.
Remove stop bars at stop-controlled intersections	Removed
Add direction arrow to bike ramp at NE Masonic/Marin Intersection	Incorporated

Staff also presented proposed tree removals to the Parks, Recreation, and Open Space (PROS) Commission for the on-street ADA parking stall at the Albany Library and Community Center and for a bioretention basin located between Masonic Avenue and Key Route Boulevard. Tree removals were approved by PROS Commission on June 9, 2022 and Table 2 summarizes the comments that will be incorporated into the design or will be resolved outside of this Project.

Table 2. PROS Commission Comments

Comments	Action
Recommend planting additional trees around the Library and Community Center	Potential locations will be reassessed and included in the next annual tree project.
Plant two replacement trees at bench opposite bioretention basin per staff recommendation.	Will be incorporated into project.

Masonic Intersections (Ohlone Greenway Trail Safety Improvements) Project

On March 19, 2018, Council approved a Five-Year Capital Improvement Plan, including the inclusion of a project (CIP No. 25007) for signal upgrades along Masonic Avenue at Marin Avenue and Solano Avenue. The project was submitted for funding as part of the State of California Active Transportation Program Cycle 4 Grant and a grant in the amount of \$410,000 was awarded for construction of the project. In November 2020, the project was included in the newly updated CIP adopted by Council (Resolution No. 2020-108) and added the grant award to the project budget.

On March 7, 2022, Council approved award of Contract No. C21-65 for construction of the Masonic Intersections (Ohlone Trail Safety Improvements) Project to Ray’s Electric. The work under C21-65 includes signal and striping improvements at the Masonic and Marin intersection.

The Masonic Intersections Project is currently underway with material procurements. Construction is anticipated to start in November 2022, pending material delivery of long lead products (poles and pedestal cabinets). Due to ongoing supply chain disruptions, actual construction start date is challenging to pin down with certainty and therefore contractor selection for the overlapping Marin Avenue – Phase 1 Project will be critical for successful

projects.

Inter-Project Coordination: Masonic Intersections & Marin Avenue – Phase 1 Projects

The limits of work on the Marin Avenue – Phase 1 Project overlap substantially with the project limits under the Masonic Intersections Project as shown in Attachment 6. When at all possible, construction operations are generally sequenced to start with deep utilities (sewer, storm, water), followed by shallow utilities and surface work (traffic signals, sidewalks, pavement). Due to grant deadlines, grant agreement limitations, and project implementation schedules, it was infeasible to add the pavement rehabilitation and storm drain work to the Masonic Intersections Project and still maintain the above noted sequencing of work. Instead, staff have been working closely with designers for both projects to ensure that the projects are coordinated. Staff have also kept a close eye on supply chain disruptions and material lead times with a goal of sequencing both projects as close as possible to minimize impacts to local residents and users of the arterial street.

DISCUSSION

Marin Avenue is a major arterial that serves as an east-west running throughfare for Albany and Berkeley and provides access to Interstate 80 via Buchanan Street. It is typically heavily trafficked during morning and evening commute hours and is sensitive to construction disturbances. Marin Avenue is heavily used by pedestrians and bicyclists, particularly on the Ohlone Greenway Trail at Masonic Avenue and for access to schools. Furthermore, many underground utilities are located within the Marin Avenue corridor including stormwater, sanitary sewer, gas pipelines, and communications conduits. Therefore, pavement projects along Marin Avenue corridor are complex and require a higher degree of facilitation and management compared to a typical street paving project.

Marin Avenue Pavement and Curb Ramp Rehabilitation Project – Phase 1 Scope

The Marin Avenue Pavement and Curb Ramp Rehabilitation Project – Phase 1 (Project) consists of 56,000 square feet of pavement rehabilitation on Marin Avenue from Cornell Avenue to Key Route Boulevard. Other improvements in the Project scope include:

1. Lowering of intersection pavement for ADA-compliant pedestrian crosswalks
2. 31 ADA-compliant curb ramps
3. Bulbouts at Masonic Avenue and Talbot Avenue;
4. ADA-compliant parking stall in front of the Albany Community Center
5. 13 new storm drain inlets and storm lateral rehabilitation;
6. Striping and signage improvements; and,
7. Installation of bioretention basin on the north side of Marin Avenue between Masonic Avenue and Key Route Boulevard.

Additionally, staff are currently working with project design team to add bulbouts to the intersection of Evelyn Avenue and Marin Avenue for consistency along the corridor between San Pablo Avenue and Masonic Avenue.

Recommendation for Award

McGuire and Hester has substantially completed the Washington Avenue Pavement Rehabilitation Phase 2 Project work under C21-49, except for curb ramp work at the corner of Washington Avenue and San Pablo Avenue which is awaiting Caltrans permit. McGuire and Hester performed well in substantially completing the base contract work as well as completing additional complex and necessary repairs on Buchanan Street concurrently with the base contract work. In completing the requested work, the contractor demonstrated the willingness and ability to adjust operations as necessary to accommodate site and local conditions encountered during construction, and an enthusiasm towards cooperation and finding solutions to issues, both of which will be critical to the success of the Marin Ave Project.

Staff recommends that pavement rehabilitation on Marin Avenue for the Project be added to Contract No. C21-49 via change order (sole source award) rather than through the standard bidding process.

The City Charter and Municipal Code allow for this option when “strict compliance with competitive selection or bidding requirements would be unavailing, or would not produce an advantage, or would be undesirable, impractical, or impossible” (Municipal Code Section 13-20). In this instance, awarding the contract via sole source award would provide a distinct advantage over the standard bidding requirements for the following reasons:

- ***Sequencing:*** To maximize efficiency and reduce rework at the Marin Avenue and Masonic Avenue intersection, paving on Marin Avenue should occur first to set the grade at the intersection before the traffic signal poles and cabinets are installed and switched over for the Masonic Intersections Project scheduled for November 2022. Refer to Attachment 6 – Inter-project Coordination Diagram.
- ***Schedule:*** With the recommended award, work is anticipated to start in September/October 2022. Public bid for a project of the Marin-Phase 1 Project’s magnitude typically requires 3-6 months and with additional time needed for pre-construction and equipment and material lead time, intersection grading and construction would not be expected to finish before the Masonic Intersections Project is completed. Refer to Attachment 5 – Project Phasing.
- ***Scope Coordination & Risk Reduction:*** Using a sole-source award provides greater flexibility to ensure that the selected contractor has the necessary qualifications and resources for successful coordination with Masonic Intersections Project. Issuance of the project for formal bid given the extra coordination related to material procurement and overlap in work area for the Masonic Intersections Project may discourage willing bidders or pre-emptively raise prices to account for risk.
- ***Utility Coordination Experience:*** Project work in the public right-of-way with densely packed underground utilities amplifies the need for experienced contractors to reduce risk of damaging a utility and to work around site conflicts. The Project requires installation of new storm drain inlets and relocating storm drain lines within Marin Ave

intersections. Additionally, the Project will need to coordinate grading at the Masonic/Marin intersection with power and traffic signal line relocation. The public bid process favors a low bidder that may be proficient in paving construction but lack the experience to navigate the challenges of the related utility work or relies on a subcontractor for underground work. An experienced contractor such as McGuire and Hester that self-performs storm drain work and understands the challenges with underground utility work greatly reduces the City's risk.

- **Location Experience:** The Project's location at a major City arterial emphasizes the need for a contractor with a high level of experience in construction phasing to balance construction objectives, minimizing traffic disruption, and shortening project duration. McGuire and Hester demonstrated effective traffic control during construction on a similar two-way throughfare and bicycle boulevard during the Washington Avenue Project. They are familiar with local traffic patterns, particularly with sensitive locations (Ohlone Greenway crossings) and times (AUSD school hours).

By comparison, publicly bidding the Project would:

- Delay the start of construction for the Marin-Phase 1 Project until at least Winter 2022/22 in the midst of the rainy season. Due to the uncertainties around the Masonic Intersections material procurement schedule, staff would be coordinating work around both paving contractor schedule availability and ongoing supply chain disruptions for both projects. This would increase the risk that the Masonic Avenue intersection curb ramps and signal poles are temporary condition for an extended duration, increasing the impacts to the community.
- Reallocate staff resources to prepare for the bid process and delay delivery of other projects.
- Increase risks of awarding the contract to a less experienced or less staffed contractor who may not have the expertise or resources to identify and address coordination issues in a timely manner, thus further increasing the risk of project delays, unexpected costs, and change orders.

Staff requested and McGuire & Hester provided a cost proposal in the amount of \$1,883,404 for the 100% design. This cost proposal is consistent with the engineer's estimate of anticipated costs.

Staff also requested an experienced third-party consultant, Swinerton Management & Consulting, review McGuire & Hester's proposal. They found the proposal to be in line with the expected bid price based on recent data for construction costs in the local area. Swinerton's conclusions are summarized in a letter that is included as Attachment 4.

The proposed CCO No. 5 (\$1,883,404) will revise the contract price to \$2,592,756.16 total. Once approved, the Project is expected to begin construction in September/October 2022. Construction is expected to last 70 working days.

ENVIRONMENTAL CLEARANCE

This project consists of rehabilitation of existing streets and is determined to be categorically exempt under CEQA (California Environmental Quality Act).

SUSTAINABILITY

The proposed change order supports Council’s Strategic Plan in the areas of Transportation Safety and maintenance of pedestrian networks identified the City’s active Transportation Plan.

Goal 1: Foster a Healthy & Sustainable City
Objective 3. Promote Active Transportation & Safety

FINANCIAL SUMMARY

The budget for the first three years of the City’s Annual Street Rehabilitation Program (CIP No. 21000) was appropriated by Council as part of the City’s Capital Improvement Plan as adopted on November 16, 2020 (Resolution No. 2020-108). This budget reflects the City’s commitment to investing annually in maintaining and improving the City’s public right-of-way.

The following are the estimated Marin-Phase 1 Project costs:

Construction (CCO5, C21-49)	\$1,883,404
Contingency (10%)	\$183,340
Construction Management	\$150,000
Other Construction (Testing, Permits, etc.)	\$15,000
Total Estimated Expenditures	\$2,231,744

The following table details the appropriated budget and funding sources for the Annual Street Rehabilitation Program, Fiscal Years 2019/20 through 2021/22, including the recent additional appropriation made for FY2022/23 State SB1 funding:

<u>Funding Sources</u>	<u>FY19/20-21/22</u>
1101 – Meas B LSR	\$1,270,000
1104 – VRF	\$140,000
1201 – Meas BB LSR (ACTC)	\$1,940,000
2006 – Meas F Street & Storm	\$4,600,000
2009 – State SB1/RMRA	\$1,310,000
Appropriations:	\$9,260,000

As of June 10th, 2022, the City has either spent or encumbered approximately \$3.96 million of the total appropriated program budget for the noted fiscal years. This project will utilize approximately \$700,000 in pass-through State SB1/RMRA (Senate Bill 1/Road Maintenance & Rehabilitation Account) allocations as scheduled (see Resolution Nos. 2020-35 and 2022-54).

The proposed CCO in this staff report is within the approved remaining budget for the Annual Pavement Rehabilitation Program (CIP No. 21000) and no new appropriations are recommended at this time.

Attachments:

1. Resolution No. 2022-68
2. Contract No. C21-49 Contract Change Order #5
3. Draft 100% Plans – Marin Avenue Pavement and Curb Ramp Rehabilitation
4. Swinerton Letter – McGuire Hester Change Order Review
5. Project Phasing
6. Inter-Project Coordination Diagram

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29

RESOLUTION NO. 2022-68

**A RESOLUTION OF THE ALBANY CITY COUNCIL AUTHORIZING
THE CITY MANAGER TO EXECUTE CONTRACT CHANGE ORDER NO. 5
TO CONTRACT NO. C21-49 WITH MCGUIRE AND HESTER IN
THE NOT-TO-EXCEED AMOUNT OF \$1,883,404.00**

WHEREAS, on November 16, 2020, the City Council adopted Resolution No. 2020-108 adopted the FY2019/20 – FY2023/24 Capital Improvement Project budget including funding for the Annual Street Rehabilitation Program; and

WHEREAS, on February 24, 2022, Transportation Commission recommended to City Council to approve plans for the Marin Avenue Pavement Rehabilitation and Curb Ramp Rehabilitation Project – Phase 1; and

WHEREAS, the Project must be coordinated with approved construction of Masonic Intersections (Ohlone Trail Safety) Improvement Project CIP No. 25007 at the intersection of Marin Avenue and Masonic Avenue; and

WHEREAS, in cases when “strict compliance with competitive selection or bidding requirements would be unavailing, or would not produce an advantage, or would be undesirable, impractical, or impossible” (AMC §13-20), the City Charter allows sole source award rather than going through the standard bidding process; and

WHEREAS, successful completion of both the Masonic Intersections Project and the Marin Avenue Pavement and Curb Ramp Rehabilitation Project – Phase 1 construction will require significant inter-project coordination to ensure sequencing and schedules are maintained; and

CONTRACT: *Washington Avenue Pavement Rehabilitation – Phase 2*
Contract No. C21-49

Page 1 of 39
June 14, 2022

CONTRACTOR: *McGuire and Hester*

You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on your contract.

DESCRIPTION OF WORK

Description of work, special conditions, and item costs are shown on pages 2-7 of the change order, including the attached McGuire and Hester cost proposal, dated June 14, 2022.

We, the undersigned contractor, have given careful consideration to the contract change(s) and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

By reason of this change the contract completion time will be extended by **0** working days from the commencement date given in the Notice to Proceed with Change Order work.

Contractor:
Date Accepted: _____

By: _____
CONTRACT REP, Title

DISTRIBUTION: Finance Dept., City Clerk, Contractor, Project File

STATEMENT OF ACCOUNT

Original Contract Price:	\$709,352.16
Previous Change Orders	\$219,520.16
Total to date	\$709,352.16
This Change Order	\$1,883,404.00
Revised Contract Price	\$2,592,756.16
Contract Price Change	+266%

City of Albany:
Date Approved: _____

By: _____
Nicole Almaguer, City Manager

NOTE: This change order is not effective until approved by the City Manager

CONTRACT: *Washington Avenue Pavement Rehabilitation – Phase 2*
Contract No. C21-49

Page 2 of 39
June 14, 2022

DESCRIPTION OF WORK AND SPECIAL CONDITIONS

- A. **Scope of Work:** Change Order No. 5 shall include approximately 56,000 square feet of pavement rehabilitation on Marin Avenue from Cornell Avenue to Key Route Boulevard Draft 100% plan set dated 4/15/2022, including:
- a. Lowering of intersection pavement for ADA-compliant pedestrian crosswalks
 - b. 31 ADA-compliant curb ramps
 - c. Bulbouts at Masonic Avenue and Talbot Avenue;
 - d. ADA-compliant parking stall in front of the Albany Community Center
 - e. 13 new storm drain inlets and storm lateral rehabilitation;
 - f. Striping and signage improvements; and,
 - g. Installation of bioretention basin on the north side of Marin Avenue between Masonic Avenue and Key Route Boulevard.
- B. **Change Order #1 Documents:** The Contract Change Order documents incorporated herein and into the contract include and are comprised of the following:
- a. Contract C21-49 including all documents previously incorporated into the contract
 - b. Plans for the 100% Draft Marin Avenue Pavement and Curb Ramp Rehabilitation Project – Phase 1 dated 4/15/2022, by CSG Consultants.
 - c. Cost Proposal submitted by McGuire and Hester, dated June 14, 2022, attached.
 - d. CCO#5 Submittals under Section D, below.
- C. **Time of Completion for CCO No. 1 Work:** The change order work shall have a time completion limit of 70 calendar days from the commencement date given in the Notice to Proceed with Change Order work. If contractor fails to complete the work within the completion time limit, the Liquidated Damages section of the contract shall apply.
- D. **Submittals:** Within 15 calendar days following approval of the change order, contractor shall submit, at minimum, the following:
- a. Payment and performance bonds riders from Surety acknowledging change in contract price and updated insurance certificates
 - b. Project schedule
 - c. Traffic control plans and other submittals required by the change order work

6/14/22

Attention: Allison Carrillo

Reference: Request for CCO – Marin Ave Phase 1

Subject: Bid Proposal

McGuire and Hester (M&H) is pleased to provide the following bid proposal for the above referenced project. All work conforms to the City of Albany Public Works Department Plans for Pavement and Curb Rehabilitation project; Marin Avenue – Phase 1 (From Cornel Avenue to Key Route Boulevard) Alameda County, California 100% Submittal dated 04/15/2022. There was no geotechnical investigation report available.

McGuire and Hester proposes to furnish and install the work outlined in the breakdown dated 6/14/22 (attached) for the lump sum price of **\$1,883,404.00.**

EXCLUSIONS

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. Disposal fees for asphalt concrete containing fabric or other materials unacceptable to recycle facilities. 2. Drain rock, sand or vapor mitigation measures. 3. Headers at asphalt pavement. 4. Soil sterilant. 5. Restoration work resulting from the activities of others. 6. Installing, maintaining, backfilling or removal of bracing, shoring or underpinning. 7. Dewatering of subsurface ground water or control of rain / surface water. 8. Sleeving for walkways, roadways, buildings, walls, or other. 9. Import or export of soils. 10. Relocation, protection and removal of existing utilities, sub-surface obstructions or debris. It is assumed that all proposed improvements are free of conflicts. 11. Handling, removal or disposal of hazardous or contaminated substances. 12. Subgrade or trench stabilization by means of ripping, sub-excavation, fabric, chemical treatment, etc. 13. Dust control when our forces are not actively working on site. | <ol style="list-style-type: none"> 14. Air, settlement, vibration, sound, or other monitoring and mitigation. 15. Pre or post construction surveys (e.g. GPS, video, photographic, consultant, etc.). Biologist services, wildlife surveys, demarcations and/or relocations. Rodent eradication or pest control. 16. Archeologist cost and related delays. 17. Tree trimming, root pruning, protection or arborist services. 18. Overtime, shift premiums or liquidated damages. 19. M&H participation in composite cleanup crews, damage repair funds, or other similar composite activities, as well as related contract deductions. 20. Design, engineering and Building Information Modeling (BIM) participation. 21. Testing and inspection. 22. Permits and fees. 23. Compliance with project specific equipment emission standards. 24. Project specific project accounting software (Textura) costs. |
|--|---|

CLARIFICATIONS

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. Proposal includes 1 ea. move-in(s). Costs of additional move-ins may include additional equipment mobilizations and losses in production charges due to interruptions in operations. 2. This proposal is based on using recycled Class 2 aggregate base. 3. All soil or soil rock mixtures to be exported from the site shall be free of deleterious materials and are assumed to not contain detectable concentrations of organic chemical contaminants or concentrations of inorganic chemical contaminants in excess of background levels that is typical for native soil in the area. In addition, the soil material is assumed to be | <p>suitable for unrestricted re-use on residential or commercial sites. Owner to provide all necessary soil sampling and analysis requested by soil re-use site.</p> <ol style="list-style-type: none"> 4. This proposal is based on all excavation work to be productively ripped, trenched, loaded, handled and compacted using industry standard equipment sizes, as follows: <ol style="list-style-type: none"> a. Backhoe (e.g., CAT 426) 450 CY per day b. Dozer (e.g., CAT D4/D6/D8) 750/1200/1800 CY per day c. Excavator (e.g., CAT 320/330/345) 1200/1800/2400 CY per day |
|--|--|

www.McGuireandHester.com

CORPORATE OFFICE 2810 HARBOR BAY PKWY ALAMEDA CA 94502 ● OAKLAND OFFICE 9009 RAILROAD AVENUE OAKLAND CA 94603 ● PH 510 632 7676

SACRAMENTO OFFICE 1016 N. MARKET BLVD # 20 SACRAMENTO CA 95834 ● PH 916 372 8910

Contractors License Numbers; CA:95879, AZ:251628, NV:72399, OR:184930 DIR:100000033



- Any other type of soil conditions (such as hard rock or rocky materials) will result in additional costs.
5. M&H assumes all storm drain improvements will be performed during the dry season; and has not included any cost for providing and/or performing storm drain bypass.
 6. M&H has included speed shores only for trench excavation as part of this proposal. M&H to adjust unit prices based on existing soil conditions encountered.
 7. Native excavated material is assumed to be acceptable, without treatment, for trench zone backfill.

Thank you for the opportunity to provide our proposal. If you have any questions, please feel free to call.

Sincerely,
McGuire & Hester

Lincoln Morrill

Lincoln Morrill
Estimator

Attachment: Standard Terms and Conditions
Bid Price Breakdown

Estimate No.: 220555
Version 2022-00

www.McGuireandHester.com

CORPORATE OFFICE 2810 HARBOR BAY PKWY ALAMEDA CA 94502 ● OAKLAND OFFICE 9009 RAILROAD AVENUE OAKLAND CA 94603 ● PH 510 632 7676

SACRAMENTO OFFICE 1016 N. MARKET BLVD # 20 SACRAMENTO CA 95834 ● PH 916 372 8910

Contractors License Numbers; CA: 95879, AZ: 251628, NV: 72399, OR: 184930 DIR: 1000000033



STANDARD TERMS AND CONDITIONS

1. Price based on the award of the complete scope of work included herein.
2. All other work not specifically included shall be considered excluded from this proposal.
3. The inclusions, exclusions, and clarifications noted in this proposal shall be made a part of the contract and shall supersede any conflicting provisions.
4. Lumpsum change orders to include 10% markup for project overhead and 15% markup for profit. Work performed on a T&M basis will be paid according to the latest M&H labor and equipment rate sheets.
5. This proposal is valid for (30) days from the date of this proposal.
6. Payments are due within 30 days of invoice. Late payments subject to 1½% monthly finance charge.
7. Retention (5% max.) to be released within 35 days of M&H final billing.
8. Project schedule to be mutually agreeable and will allow M&H to perform its work in an efficient sequence and manner. M&H to receive a copy of the baseline and subsequent schedule updates.
9. Client to provide unobstructed access to all areas of work.
10. Work requested during or near inclement weather or wet jobsite conditions may result in additional costs.
11. Proposal based on a contract agreement that is mutually agreeable.
12. M&H carries the following insurance limits with admitted "A" rated insurance carriers:
 - a. \$2,000,000 - General Liability
 - b. \$2,000,000 - Auto Liability
 - c. \$1,000,000 - Employers Liability (Workers Compensation)
 - d. \$5,000,000 - Pollution Liability
 - e. \$25,000,000 - Excess Liability coverage (attaches over General, Auto, & Employers Liability)
 - f. \$10,000,000 - Builders Risk/Installation coverage
 - g. \$1,000,000 - Earthquake and Flood (subject to specific exclusions)
 - h. \$2,000,000 - Design/Build Professional Liability
14. OCIP / CCIP Policies including deductibles, are subject to M&H review and approval.
15. Any cancellation or modification of Owner or General Contractor procured Wrap Up (OCIP or CCIP) insurance will result in reimbursement to Contractor or Subcontractor tier to procure equivalent coverage. To the extent equivalent insurance is unavailable, or a gap in coverage does occur as a result of cancellation or modification, Owner or General Contractor shall reimburse contractor and/or subcontractor tier for all costs incurred for any and all claims.
16. This proposal includes and follows McGuire and Hester's Site Specific Covid-19 Response Protocol dated 5/6/2020. M&H's Site Safety Representative (SSR) is considered a senior member of the proposed crew. Third party Jobsite Safety Accountability Supervisor (JSAS), if required, is not included in this proposal. Overall site safety is the responsibility of the Owner, or General Contractor which includes providing adequate social distance space for M&H to productively and safely perform our work, and in accordance with CalOSHA and CDPH requirements.
17. Due to the current pandemic, or Force Majeure event (strikes, lockouts, terrorism, acts of God, COVID-19, or governmental restrictions on the work) there may be material, or manpower shortages, impacts to the work, or supply chain issues. McGuire and Hester will do our best to mitigate these issues, but will not be held liable for delays, or impacts to the project schedule and/or costs associated with such impacts.

**Pavement and Curb Rehabilitation Project Marin
Ave Phase 1
100% Engineer Cost Estimate**

City of Albany

ITEM NO	ITEM DESCRIPTION	UNIT	EST QTY	UNIT PRICE	ITEM COST
1	Mobilization	LS	1	\$21,800.50	\$21,800.50
2	Traffic Control	LS	1	\$140,000.00	\$140,000.00
3	Water Pollution Control	LS	1	\$7,360.00	\$7,360.00
4	Construction Surveys	LS	1	\$10,600.00	\$10,600.00
5	Tree Protection	LS	1	\$3,810.00	\$3,810.00
6	Monument Preservation	LS	1	\$2,540.00	\$2,540.00
7	City Standard Monument	EA	4	\$2,120.00	\$8,480.00
8	Concrete Demolition	LS	1	\$42,700.00	\$42,700.00
9	PCC Curb Ramp	EA	31	\$4,090.00	\$126,790.00
10	PCC Curb and Gutter	LF	895	\$114.00	\$102,030.00
11	PCC Retaining Curb	LF	246	\$72.00	\$17,712.00
12	PCC Sidewalk	SF	5,031	\$24.00	\$120,744.00
13	4-inch Mulch	SF	866	\$5.00	\$4,330.00
14	Cobblestone	SF	12	\$135.00	\$1,620.00
15	Remove Storm Drain Structures and Pipes	LS	1	\$29,000.00	\$29,000.00
16	Replace Top Section of Drain Inlet	EA	1	\$10,400.00	\$10,400.00
17	Type A Drain Inlet	EA	13	\$6,100.00	\$79,300.00
18	Type 1 SDMH	EA	3	\$13,200.00	\$39,600.00
19	12-inch PVC Pipe	LF	55	\$384.00	\$21,120.00
20	18-inch PVC Pipe	LF	382	\$638.00	\$243,716.00
21	18-inch RCP	LF	36	\$1,620.00	\$58,320.00
22	Replace Asphalt Concrete 4-inch HMA (AC Path)	SF	80	\$51.00	\$4,080.00
23	Replace Asphalt Concrete 8-inch HMA (Digout)	SF	499	\$19.00	\$9,481.00
24	Replace Asphalt Concrete 12-inch HMA (Full Depth Replacement)	SF	22,338	\$12.00	\$268,056.00
25	2-inch Cold Planing	SY	4,603	\$4.50	\$20,713.50
26	Asphalt Milling and Grading	SF	33,601	\$2.50	\$84,002.50
27	2-inch HMA	TN	518	\$225.00	\$116,550.00
28	Paving Mat	SY	8,337	\$6.50	\$54,190.50
29	Adjust Storm Drain Manhole Cover to Grade	EA	4	\$1,320.00	\$5,280.00
30	Adjust Sanitary Sewer Manhole Cover to Grade	EA	8	\$1,320.00	\$10,560.00
31	Adjust Telephone Manhole Cover to Grade	EA	3	\$1,590.00	\$4,770.00
32	Adjust Water Valve Box to Grade	EA	14	\$954.00	\$13,356.00
33	Adjust Gas Valve Box to Grade	EA	7	\$954.00	\$6,678.00

34	Adjust Cleanout Cover to Grade	EA	2	\$1,320.00	\$2,640.00
35	Adjust Pull Box in Sidewalk or Planter	EA	9	\$543.00	\$4,887.00
36	Remove Traffic Stripes, Markings and Markers	LS	1	\$1,590.00	\$1,590.00
37	Thermoplastic Stripes	LS	1	\$13,800.00	\$13,800.00
38	Thermoplastic Pavement Markings	LS	1	\$47,700.00	\$47,700.00
39	Painted Curb	LS	1	\$3,230.00	\$3,230.00
40	Two-Way Reflective FH Blue Marker	EA	4	\$13.00	\$52.00
41	Type K-1 (CA) Object Marker	EA	1	\$90.00	\$90.00
42	Reset or Relocate Traffic Sign	EA	5	\$265.00	\$1,325.00
43	Sign Post	EA	22	\$265.00	\$5,830.00
44	Traffic Sign	EA	38	\$185.00	\$7,030.00
45	Relocate RRFB & PPB	EA	2	\$9,010.00	\$18,020.00
46	Push Button Assembly Post	EA	2	\$3,710.00	\$7,420.00
47	Remove Tree	EA	2	\$1,350.00	\$2,700.00
48	Bio-retention	LS	1	\$27,400.00	\$27,400.00
49	Supplemental Work	LS	1	\$50,000.00	\$50,000.00
Sub-total for Base Bid					\$1,883,404.00

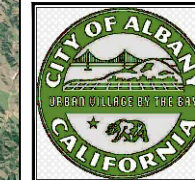
CITY OF ALBANY

PUBLIC WORKS DEPARTMENT

PLANS FOR PAVEMENT AND CURB REHABILITATION PROJECT MARIN AVENUE – PHASE 1 (FROM CORNELL AVENUE TO KEY ROUTE BOULEVARD) ALAMEDA COUNTY, CALIFORNIA



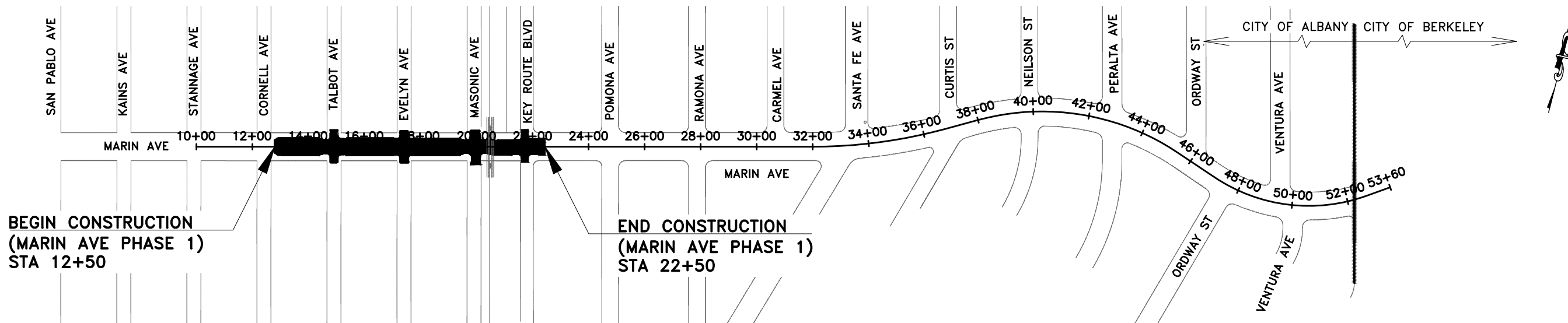
VICINITY MAP
NOT TO SCALE



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVENUE PHASE 1 (FROM CORNELL AVENUE TO KEY ROUTE BLVD)
TITLE SHEET



LOCATION MAP
NOT TO SCALE

INDEX OF SHEETS

SHEET NO.	DRAWING NO.	SHEET DESCRIPTION
1	G-1	TITLE SHEET
2	G-2	GENERAL NOTES, LEGEND AND ABBREVIATIONS
3	G-3	TYPICAL CROSS SECTIONS
4	G-4	HORIZONTAL CONTROL
5-6	C-1 TO C-2	STREET IMPROVEMENT PLAN
7-8	SS-1 TO SS-2	SIGNING AND STRIPING PLAN
9-12	D-1 TO D-4	INTERSECTION GRADING PLAN
13-18	D-5 TO D-10	CURB RAMP GRADING PLAN
19-22	SD-1 TO SD-4	STORM DRAIN IMPROVEMENT PLAN
23	ES-1	RELOCATING RFRB ASSEMBLY
24-25	CD-1 TO CD-2	CONSTRUCTION DETAILS
26	PP-1	POLLUTION PREVENTION PLAN
27	QTY-1	QUANTITY SHEET

APPLICABLE STANDARD PLANS:

CITY STANDARD DETAILS (DECEMBER 2015):

ST 1	AC DIKE, CURB AND GUTTER DETAIL
ST 4	SIDEWALK: TYPE I AND II
ST 5	CURB AND SIDEWALK JOINTS
ST 6	CURB, GUTTER AND SIDEWALK REPAIRS
ST 8	LEGEND & NOTES - SIDEWALKS, DRIVEWAYS AND CURB AND GUTTER
ST 9.1-9.11	CURB RAMP DETAILS (CASE A, B, C, MODIFIED CASE C, D, E, F, G & CM, GROOVING, DOMES AND NOTES)
ST 11	STREET & TRAFFIC SIGN MOUNTING STANDARDS
ST 12	SIGN ANCHOR DETAIL
ST 13	TRENCH SURFACE RESTORATION DETAIL
ST 16	SIDEWALK TRIP HAZARD REMOVAL
ST 17	NPDES MEDALLION
ST 21	CONCRETE MONUMENT SECTION WITH DISC
SS 1	STANDARD MANHOLE FRAME AND COVER
SS 3	RAISED MANHOLE RING AND COVER
SS 7	TYPICAL TRENCH SECTION
SD 1.1-1.2	TYPE "A" INLET AND NOTES
SD 6.1-6.2	INLET FRAME AND GRATE FOR TYPE "A", "B" & "C"
SD 7	PRECAST MANHOLE, TYPE 1 BASE, FRAME & COVER
SD 9	STANDARD INLET/MANHOLE PLAN GENERAL NOTES

CALTRANS STANDARD PLANS (2018 VERSION):

A20A-F	PAVEMENT MARKERS AND TRAFFIC LINES, TYPICAL DETAILS
A24A-G	PAVEMENT MARKINGS, ARROWS, SYMBOLS, NUMERAL WORDS, LIMIT AND YIELD LINES
T62	TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)
ES-5A-B	ELECTRICAL SYSTEMS (DETECTORS)
ES-7A	ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARD, TYPE TS, AND PUSH BUTTON ASSEMBLY POST)

CA MUTCD (LATEST EDITION):

FIGURE 3B-102(CA)	EXAMPLES OF FIRE HYDRANT LOCATION PAVEMENT MARKERS
FIGURE 3B-103(CA)	EXAMPLES OF INTERSECTION MARKINGS

CONTRACT NO. C22-XX

CITY COUNCIL

PRESTON JORDAN - MAYOR
AARON TIEDEMAN - VICE MAYOR
GENELL GARY
PEGGY MCQUAID
ROCHELLE NASON

NICOLE ALMAGUER - CITY MANAGER
MARK HURLEY
PUBLIC WORKS DIRECTOR & CITY ENGINEER
ALLISON CARRILLO
CAPITOL IMPROVEMENT PROJECTS PROGRAM MANAGER

Submittal / Revision:

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:

G-1

1 of 27

100% SUBMITTAL 04/15/2022
NOT FOR CONSTRUCTION

Title: Albany - C22-XX-102-1 - Pavement and Curb Rehabilitation - City of Albany, Alameda County, California - Phase 1 - 04/15/2022
Printed: 04/15/2022 10:53 AM (Pacific Time) - 2538.07 - 2538.07 - 100% Submittal - 04/15/2022 - 10:53 AM

GENERAL NOTES

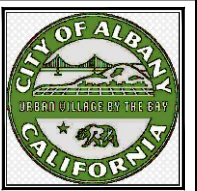
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CITY STANDARD DETAILS AND WITH 2018 CALTRANS STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED.
2. ALL EXISTING SURFACE FEATURES SHOWN HEREON REPRESENT SURFACE CONDITIONS OF THE PROJECT AREA FROM A FIELD SURVEY PERFORMED BETWEEN JANUARY 2021 THROUGH FEBRUARY 2021, BY QUIET RIVER LAND SERVICES OF DUBLIN, CALIFORNIA.
3. DRAWING BASE MAP IS BASED ON BOUNDARY SURVEY PERFORMED BY QUIET RIVER LAND SERVICES, INC. OF DUBLIN, CALIFORNIA. PARCEL LINES ARE APPROXIMATE AND ARE FOR INFORMATION PURPOSE ONLY.
4. SPECIFIC NOTES AND DETAILS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO POTHOLE AND FIELD VERIFY LOCATIONS, OF EXISTING FACILITIES AND TO IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY FIELD CONFLICTS.
6. CONTRACTOR IS RESPONSIBLE TO MAKE ALL ARRANGEMENTS FOR SITE INSPECTIONS AND ENSURE THAT ALL CURRENT STANDARDS FOR THE CITY OF ALBANY AND CALTRANS ARE FOLLOWED PRIOR TO BEGINNING ANY PHASE OF CONSTRUCTION WORK.
7. CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
8. CONSTRUCTION SHALL BE LIMITED TO BETWEEN THE HOURS OF 8:00 A.M. AND 5:00 P.M., MONDAY THROUGH FRIDAY AND INSPECTION REQUESTS SHALL BE LIMITED TO NORMAL CITY BUSINESS HOURS: 8:00 A.M. TO 5:00 P.M., MONDAY THROUGH FRIDAY. ARRANGEMENTS FOR ANY OVERTIME INSPECTION SERVICES AND PAYMENTS OF FEES FOR SAME SHOULD BE MADE 48 HOURS IN ADVANCE AND ARE SUBJECT TO INSPECTION AVAILABILITY AND APPROVAL BY THE ENGINEER.
9. THE CITY IS RESPONSIBLE FOR ARRANGEMENTS TO PAY FOR ALL MATERIAL TESTING REQUIRED FOR QUALITY ASSURANCE/ACCEPTANCE OF THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE TO IT THAT ALL MATERIAL TESTING REQUIRED BY THE ENGINEER AND QUALITY CONTROL TESTING, PER THE TECHNICAL SPECIFICATIONS, IS PERFORMED. ENGINEER WILL ONLY PERFORM QUALITY ASSURANCE TESTING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER 24 HOURS IN ADVANCE OF QUALITY ASSURANCE TESTING TO ALLOW THE ENGINEER TO SCHEDULE MATERIAL TESTING LAB SAMPLING OR TESTING.
10. DUST CONTROL DURING ALL PHASES OF CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN GOOD HOUSEKEEPING WITHIN THE CONSTRUCTION AREA AND STAGING AREA.
11. WATER FOR DUST CONTROL AND USE FOR COMPACTION MAY BE PURCHASED FROM THE APPROPRIATE AGENCY PRIOR TO THE START OF ANY WORK, AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PAY FOR ANY FEES OR DEPOSITS.
12. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL THE PROPOSED ROUTE(S) FOR ALL CONSTRUCTION TRAFFIC RELATED TO THE PROJECT. UPON APPROVAL, THE CONTRACTOR SHALL STRICTLY ADHERE TO THAT ROUTE(S) ONLY, UNLESS WRITTEN PERMISSION IS OBTAINED TO CHANGE THE ROUTE(S). IN ADDITION TO THE CONTRACTOR'S PROPOSED ROUTE(S) A DETOUR PLAN SHALL BE SUBMITTED FOR APPROVAL BY THE ENGINEER.
13. THE CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES AFFECTED BY THE PROJECT THROUGHOUT THE LIFE OF THE CONTRACT AS SPECIFIED IN THE SPECIAL PROVISIONS.
14. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES.
15. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (U.S.A.) 800-227-2600 (OR DIAL 811) TWO (2) WORKING DAYS PRIOR TO START OF ANY EXCAVATION OR DEMOLITION OF IMPROVEMENTS. THE LOCATION OF SURFACE UTILITIES SHOWN ON THE PLANS IS APPROXIMATE ONLY. ATTENTION IS DIRECTED TO EXISTENCE OF UNDERGROUND FACILITIES NOT KNOWN, OR IT IS IN AN OFF SET PLACE FROM THE POSITION WHICH IT IS MARKED ON THE PLAN.
16. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY ALL UTILITIES TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION SO THAT LINES CAN BE MARKED. CONTRACTOR SHALL EXERCISE CARE DURING EXCAVATION OR DEMOLITION, PARTICULARLY IN LOCATIONS WITH UTILITIES THAT WILL REMAIN IN SERVICE.
17. ANY DAMAGE TO THE EXISTING FACILITIES INCLUDING TREES, LANDSCAPING, IRRIGATION, FENCES, WALLS, SIDEWALK, MAILBOXES, UTILITIES, STRIPING, MARKINGS, MARKERS, AND OTHER PAVEMENT SURFACES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. CONTRACTOR SHALL RESTORE ANY AND ALL PAVEMENT AND OTHER FACILITIES OUTSIDE LIMITS OF WORK AFFECTED BY THE CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VIDEOTAPE OR DOCUMENT EXISTING CONDITIONS PRIOR TO START OF WORK TO SUBSTANTIATE ANY PREVIOUS DAMAGE, ETC.; COPIES OF WHICH SHALL BE PROVIDED TO THE ENGINEER.
18. IT IS THE CONTRACTORS RESPONSIBILITY PROTECT THEIR WORK AREA FROM DAMAGE. TRENCH PLATES OR OTHER PROTECTION MAY BE REQUIRED FOR PCC WORK.
19. STRIPING AND MARKINGS IN ROADWAYS SHALL BE THERMOPLASTIC. BLUE REFLECTIVE FIRE HYDRANT MARKERS SHALL BE SET 6' OFF THE STREET CENTERLINE OR CENTERLINE STRIPING, UNLESS OTHERWISE NOTED.
20. TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGERS, AND OTHER DEVICES TO PROVIDE FOR SAFE PASSAGE OF PUBLIC VEHICULAR, BICYCLE, AND PEDESTRIAN TRAFFIC IN ACCORDANCE WITH CA-MUTCDC.
21. TYPICAL DETAILS REFERRED TO ON THESE DRAWINGS ARE FROM THE CITY STANDARD PLANS AND CALTRANS STANDARD PLANS.
22. CONTRACTOR SHALL PROTECT THE FULL DIAMETER OF CURB DRAIN OUTLETS DURING PAVEMENT AND CONCRETE WORK. EXISTING CURB DRAINS SHALL REMAIN FUNCTIONAL DURING AND AFTER WORK IS COMPLETE. HANDWORK MAY BE REQUIRED TO PROTECT CURB DRAIN.
23. THE ENGINEER ASSUMES NO RESPONSIBILITY BEYOND ADEQUACY OF THE DESIGN CONTAINED HEREIN. CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OF ENGINEER.

ABBREVIATIONS

AB	AGGREGATE BASE	PB	PULL BOX
AC	ASPHALT CONCRETE	PCC	PORTLAND CONCRETE CEMENT
AS	ASPHALT	PG&E	PACIFIC GAS AND ELECTRIC
BW	BACK OF WALK	PM	PAVEMENT
C&G	CURB AND GUTTER	PPB	PEDESTRIAN PUSH BUTTON
CJ	CONSTRUCTION JOINT	PP	POWER POLE
CL	CENTERLINE	PRC	POINT OF REVERSE CURVE
CONC	CONCRETE	R	RADIUS
CW	CROSSWALK	RHMA	RUBBERIZED HOT MIX ASPHALT
DET	DETAIL	RSP	REVISED STANDARD PLANS
DI	DRAIN INLET	RCW	RECYCLED WATER VALVE
DH	DETECTOR HANDHOLE	R&R	REMOVE & REPLACE
DWS	DETECTABLE WARNING SURFACE	(S)	SOUTH
DWY	DRIVEWAY	SD	STORM DRAIN
(E)	EAST	SDMH	STORM DRAIN MANHOLE
ELEV	ELEVATION	SSMH	SANITARY SEWER MANHOLE
EP	EDGE OF PAVEMENT	SVP	SILICON VALLEY POWER
EX	EXISTING	SE	SOUTHEAST
EW	EDGE OF WALK	SP	SIGNAL POLE
FC	FACE OF CURB	STA	STATION
FH	FIRE HYDRANT	SW	SIDEWALK, SOUTHWEST
FL	FLOW LINE	STD	STANDARD
FO	FIBER OPTIC	TBD	TO BE DETERMINED
G	GAS	TC	TOP OF CURB
GB	GRADE BREAK	TG	TOP OF GRATE
GBL	GREEN BIKE LANE	TI	TRAFFIC INDEX
GV	GAS VALVE	TS	TRAFFIC SIGNAL
HMA	HOT MIX ASPHALT	TMH	TELEPHONE MANHOLE
HP	HIGH POINT	TPB	TRAFFIC PULL BOX
LG	LIP OF GUTTER	TYP	TYPICAL
LL	LIMIT LINE	YCW	YELLOW CROSSWALK
MON	MONUMENT	VG	VALLEY GUTTER
NE	NORTHEAST	YL	YIELD LINE
NW	NORTHWEST	(W)	WEST
NTS	NOT TO SCALE	WCW	WHITE CROSSWALK
N	NEW	WP	WOOD POLE
(N)	NORTH	WV	WATER VALVE
O.P.	ON CENTER		

GENERAL LEGEND

	(E) SANITARY SEWR LINE
	(E) STORM DRAIN LINE
	(E) WATER LINE
	(E) GAS LINE
	(E) TELEPHONE LINE
	(E) OVERHEAD TELEPHONE LINE
	(E) COMMUNICATIONS
	(E) MANHOLE
	(E) TREE IN PLANTER
	(E) STREET LIGHT
	(E) PULL BOX, CATY VAULT, PG&E, TRAFFIC SIGNAL VAULT, OR HIGH VOLTAGE ELECTRICAL VAULT
	(E) FIRE HYDRANT
	(E) CATCH BASIN INLET
	(E) SIGN
	(E) WATER METER
	(E) WATER VALVE
	(E) GATE VALVE
	(E) CONTROL POINT
	(E) TREE OR WOOD UTILITY POLE
	(E) GUY POLE
	(E) CONCRETE COLUMN
	(E) BRASS DISC MONUMENT (PRESERVE)
	(E) CURB, GUTTER & SIDEWALK
	(E) CURB RAMP



City of Albany
Maintenance Center

540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



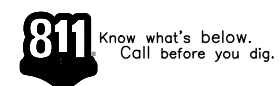
PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
GENERAL NOTES, LEGEND
AND ABBREVIATIONS

Submittal / Revision:

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:
G-2
2 of 27

File: \s\811\811-04-2022\811-04-2022.dwg Plot Date: Apr 15, 2022 at 10:04

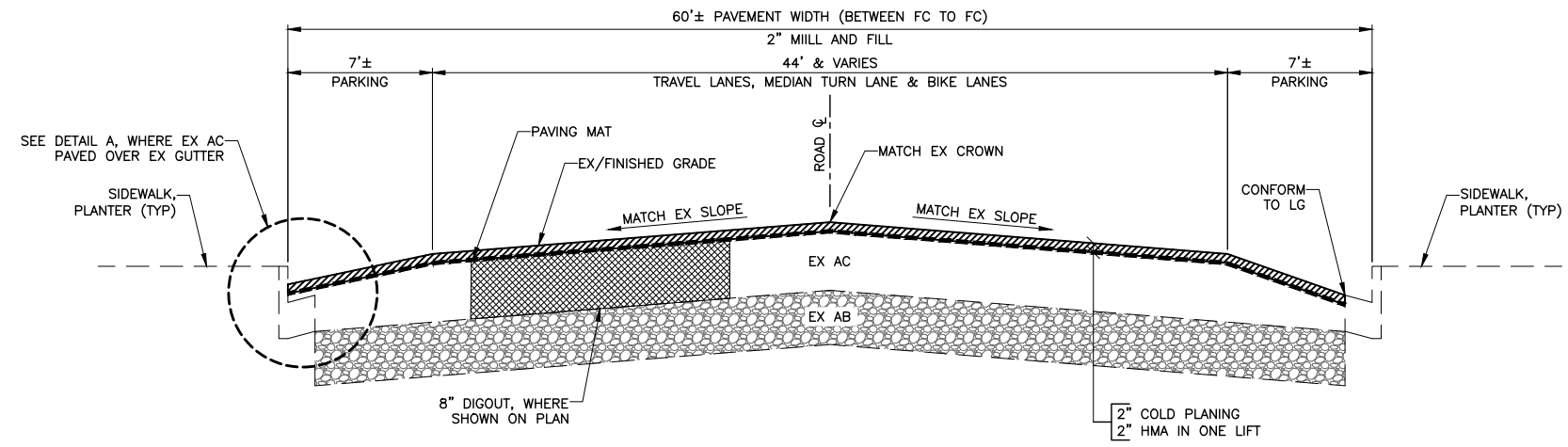


LEGEND:

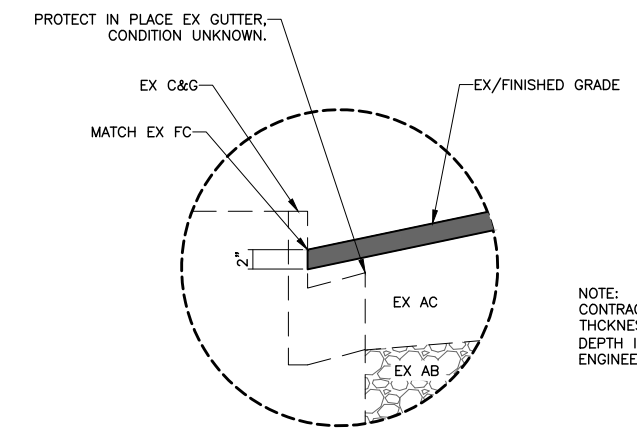
- EX ASPHALT CONCRETE
- NEW HMA
- EX AGGREGATE BASE (AB)
- AC DIGOUT
- PAVING MAT

DIGOUT REPAIR NOTES:

1. DIGOUT REPAIR SHALL BE PERFORMED AFTER ASPHALT MILLING AND THE DEPTH SHALL BE MEASURED FROM THE MILLED SURFACE.
2. DIGOUT DEPTH SHALL BE CONSISTENT REGARDLESS THE DEPTH OF EXISTING ASPHALT CONCRETE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. ALL AREAS TO BE REPAIRED ARE MARKED IN THE FIELD BY THE ENGINEER PRIOR TO PAVEMENT TREATMENT OPERATIONS. MINIMUM WIDTH AND LENGTH OF DIGOUT AREAS MARKED IS 4 FEET. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EXCESS QUANTITIES RESULTING FROM THE USE OF A LARGER GRINDING MACHINE WHICH EXTENDS GRINDING BEYOND THE LIMITS MARKED BY THE ENGINEER.
4. CONTRACTOR SHALL REFERENCE DIGOUT LOCATIONS PRIOR TO MILLING AND RE-EVALUATE PAVEMENT CONDITION AFTER MILLING. MODIFICATION OF DIGOUT LIMIT MUST BE APPROVED BY THE ENGINEER.
5. CONTRACTOR SHALL USE EQUIPMENT THAT ACCOMMODATES BOTH EXISTING ASPHALT CONCRETE, ASPHALT BASE, CONCRETE PAVEMENT, AND/OR SUBGRADE MATERIAL REMOVAL.
6. DIGOUTS INVOLVING PRUNING OF TREE ROOTS MUST BE COORDINATED AND APPROVED BY THE ENGINEER.
7. SAW CUT PAVEMENT AND APPLY TACK COAT ON ALL VERTICAL EDGES. USE OF GRINDER TO REMOVE ASPHALT PAVEMENT SHALL BE APPROVED BY THE ENGINEER.
8. RE-COMPACT LOOSENED MATERIAL TO 95% RELATIVE COMPACTION, UNLESS OTHERWISE NOTED.

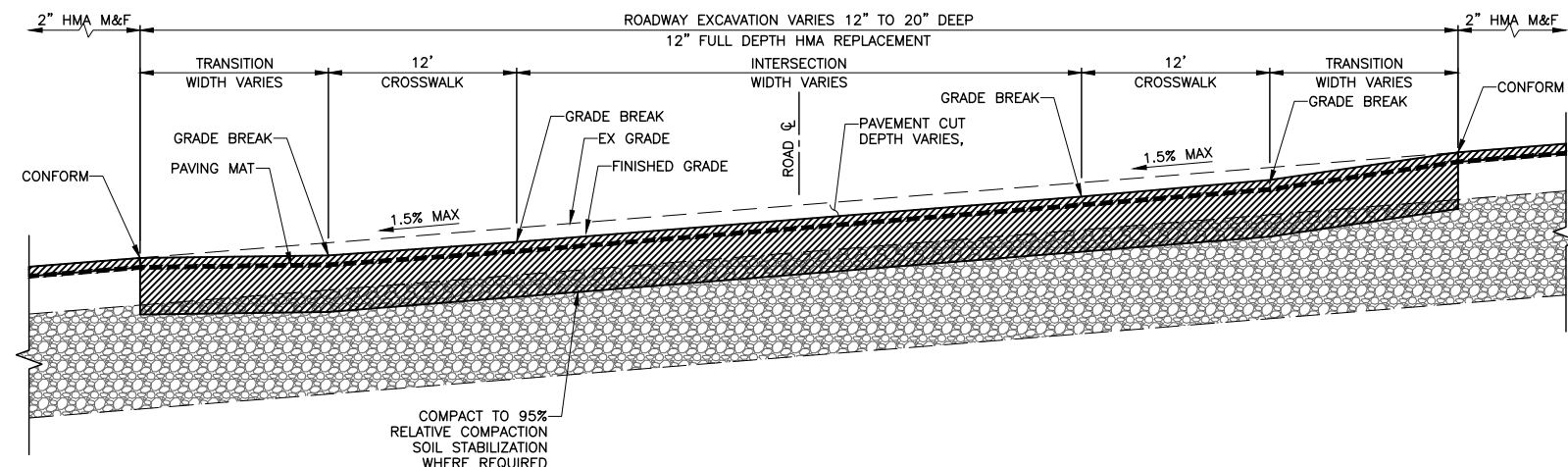


**TYPICAL CROSS SECTION
2-INCH HMA MILL & FILL**

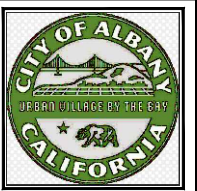


DETAIL A

NOTE:
CONTRACTOR SHALL VERIFY THE EX AC THICKNESS OVER EX GUTTER. IF THE DEPTH IS LESS THAN 2", NOTIFY THE ENGINEER PRIOR TO START OF WORK.



**TYPICAL INTERSECTION GRADING CROSS SECTION
12-INCH HMA FULL DEPTH REPLACEMENT**



City of Albany
Maintenance Center

540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



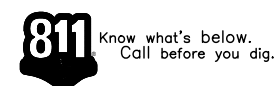
**PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
TYPICAL CROSS SECTIONS**

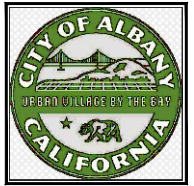
Submittal / Revision:	

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

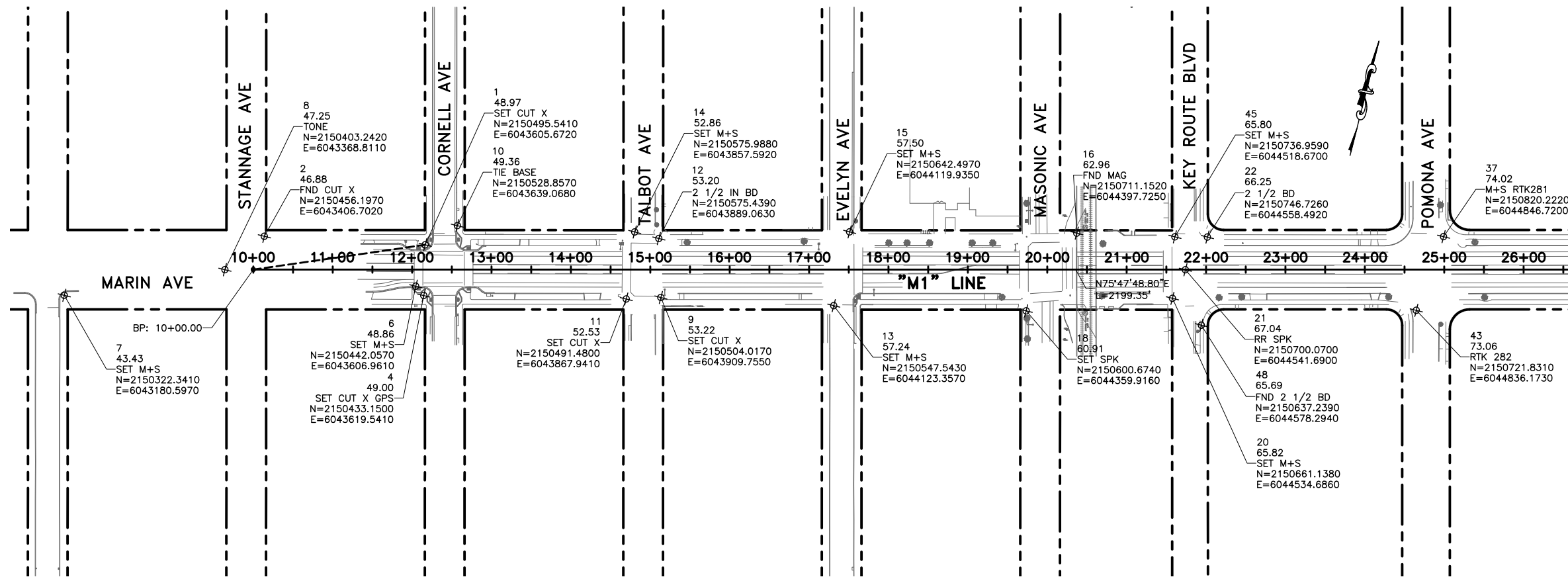
Sheet Number:
G-3
3 of 27

811 Know what's below. Call before you dig. Project: Albany Maintenance Center, Project Name: Albany Maintenance Center, Project Number: 2022-001, Project Location: Albany, CA, Project Date: 04/15/2022 at 16:34





City of Albany
 Maintenance Center
 540 Cleveland Avenue
 Albany, CA 94706
 (510) 524-9543



PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
HORIZONTAL CONTROL

HORIZONTAL DATUM:
 CITY OF ALBANY HORIZONTAL DATUM HOLDING BENCHMARK #513

BASIS OF BEARINGS:
 CITY OF ALBANY MONUMENTATION MAP, T-4897, FILED IN THE RECORDS OF ALAMEDA COUNTY, AND MONUMENTS FOUND AS SHOWN

BASIS OF ELEVATIONS:
 CITY OF ALBANY BENCHMARK #513 RAILROAD SPIKE LOCATED IN THE INTERSECTION OF MARIN AVENUE AND KEY ROUTE BOULEVARD. ELEVATION 67.04± (CITY OF ALBANY DATUM)

Submittal / Revision:	

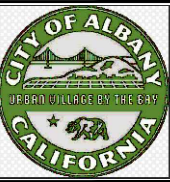
Designed By: DS/HA
 Drawn By: DS/HA
 Checked By: LL
 Date: 04/15/2022

Sheet Number:
G-4
 4 of 27

File: \\csgrs01\cadd\alameda\albany_maintenance_center\GIS\Albany\Horizontal Control\Phase 1\PLAN-City-Albany-Horizontal Control-Phase 1.dwg
 Plot Date: Apr 15, 2022 at 16:59

811 Know what's below.
 Call before you dig.

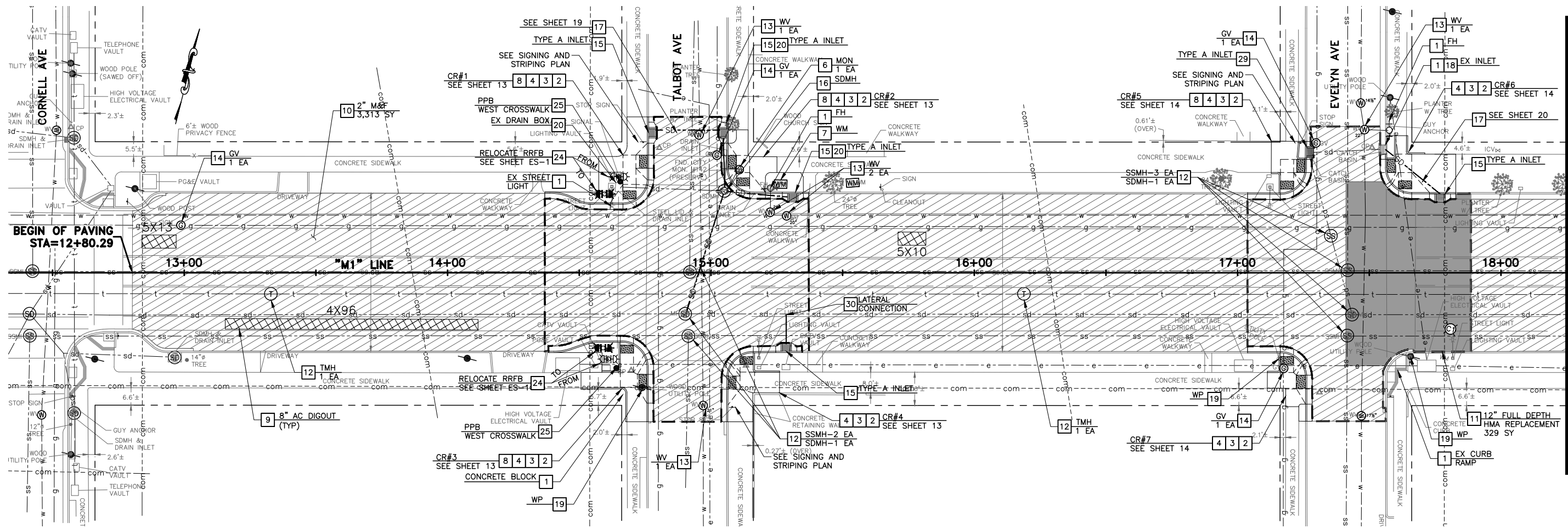
GRAPHIC SCALE
 0 100 200



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
STREET IMPROVEMENT PLAN
STA 12+50 TO STA 18+25



PLAN VIEW
SCALE: 1" = 20'

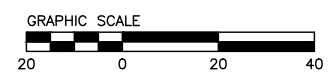
CORING LOG				
CORE NO	LOCATION	AC	AB	R-VALUE
C1	EB PARKING	7.7"	4"	15
C2	CENTER LANE	5.5"	12"	15

DEPTH MEASURED AT LOCATIONS SHOWN ON PLAN

LEGEND		SYMBOL	
	2" HMA MILL AND FILL		CORING LOCATION & NUMBER
	12" FULL DEPTH HMA REPLACEMENT		CITY MONUMENT
	8" AC DIGOUT		DRAIN INLET
	PCC SIDEWALK		SEWER, STORM DRAIN, TELEPHONE MANHOLE/CLEANOUT
	4" MULCH IN PLANTER		EBMUD WATER VALVE
	GREEN INFRASTRUCTURE		WATER METER PULL BOX
	CITY RIGHT OF WAY		PG&E GAS VALVE
	SD PVC PIPE		FIRE HYDRANT
	INTERSECTION GRADING AND GRADING LIMIT		WOOD POLE
	811 Know what's below. Call before you dig.		EX RRFB
			PUSH BUTTON ASSEMBLY POST

- PROJECT NOTES**
- PROTECT IN PLACE.
 - CONSTRUCT CURB AND GUTTER PER MODIFIED CITY STD DETAIL NO. ST 1 ON SHEET CD-1.
 - CONSTRUCT SIDEWALK PER CITY STANDARD DETAIL ST 4.
 - CONSTRUCT CURB RAMP PER CITY STD DETAILS ST 9.1 TO ST 9.11. DWS SHALL ORIENTED PARALLEL TO THE PREDOMINATED DIRECTION OF TRAVEL PER DETAIL 6 ON SHEET CD-1.
 - LOCATE MISSING MONUMENT PER CITY MONUMENT RECORD AND RE-ESTABLISH MONUMENT PER CITY STD DETAIL NO. ST 21.
 - ADJUST TO FINISH GRADE SURVEY MONUMENT BOX PER CITY STD DETAIL NO. ST 21. MONUMENT PRESERVATION REQUIRED.
 - ADJUST TO FINISH GRADE PULL BOX TO GRADE IN SIDEWALK OR PLANTER.
 - 4" MULCH WITH LANDSCAPE FABRIC PER DETAIL 8 ON SHEET CD-1.
 - REMOVE AND REPLACE ASPHALT PAVEMENT SURFACE FAILURE WITH 8" AC DIGOUT AFTER COLD PLANING.
 - 2" THICK COLD PLANING EXISTING ASPHALT PAVEMENT. INSTALL 2" HMA PER TYPICAL CROSS SECTIONS ON SHEET 3.
 - ROADWAY EXCAVATION UP TO 20 INCHES DEEP, INCLUDES AC, AB AND SUB-GRADE MATERIALS. INSTALL 12" FULL DEPTH HMA PER TYPICAL CROSS SECTIONS ON SHEET 3 AND DETAIL 4 ON CD-1.
 - ADJUST TO FINISH GRADE FRAME & COVER PER CITY STD DETAIL NO. SSS.
 - ADJUST TO FINISH GRADE VALVE BOX PER EBMUD REQUIREMENTS. IF PERFORM BY CONTRACTOR, WRITTEN APPROVAL FROM EBMUD REQUIRED PRIOR TO START OF WORK.
 - ADJUST TO FINISH GRADE GAS VALVE BOX PER PG&E REQUIREMENTS. IF PERFORM BY CONTRACTOR, WRITTEN APPROVAL FROM PG&E REQUIRED PRIOR TO START OF WORK.
 - INSTALL TYPE "A" INLET PER CITY STD DETAIL NO. SD 1.1 AND SD 1.2. INSTALL NPDES MEDALLION PER CITY STD DETAIL NO. ST 17.
 - REMOVE AND REPLACE STORM DRAIN MANHOLE OR DRAINAGE STRUCTURE WITH PRECAST MANHOLE, TYPE I BASE, FRAME & COVER PER CITY STD DETAIL NO. SD 7.
 - INSTALL PVC PIPE PER TYPICAL TRENCH SECTION PER CITY STD DETAIL NO. SS 7. REMOVE EXISTING SD PIPE IF APPLICABLE.
 - INSTALL TEMPORARY DRAINAGE INLET PROTECTION PER CALTRANS STD PLAN T-62.
 - WOOD POLE TO BE REMOVED BY OTHERS.
 - REMOVE AND BACKFILL EX DRAIN INLET OR DRAIN BOX.
 - RELOCATE FIRE HYDRANT PER EBMUD REQUIREMENTS. EXACT LOCATION TO BE APPROVED BY THE ENGINEER.
 - REMOVE EX TREE.
 - TRIM TREE ROOT PER CITY ARBORIST DIRECTION.
 - RELOCATE EXISTING RRFB ASSEMBLY 3' MIN FROM FACE OF CURB. NEW FOUNDATION SHALL MATCH EXISTING. EXACT LOCATION SHALL BE APPROVED BY THE ENGINEER.
 - PUSH BUTTON ASSEMBLY POST PER CALTRANS STD PLAN ES-7A. RELOCATE EXISTING PUSH BUTTON FROM EXISTING RRFB. INSTALL CONDUITS, CABLES, PULL BOX AS NECESSARY.
 - SEE SIGNING AND STRIPING PLAN ON SHEETS 7 AND 8.
 - COBBLESTONE PER DETAIL 7 ON CD-1.
 - CONVENTIONAL ACCESSIBLE PARKING ON-STREET PER CALTRANS STD PLAN A90B.
 - RECONSTRUCT TOP PORTION OF DRAIN INLET TO TYPE "A" INLET PER CITY STD DETAIL NO. SD 1.1 AND SD 1.2. INSTALL NPDES MEDALLION PER CITY STD DETAIL NO. ST 17.
 - LATERAL CONNECTION PER DETAIL 9 ON SHEET CD-1.
 - SEE BIO-RETENTION DETAILS ON SHEET CD-2.

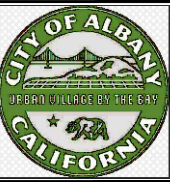
SEE IMPROVEMENT QUANTITY ON SHEET 27



Submitted / Revision:

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

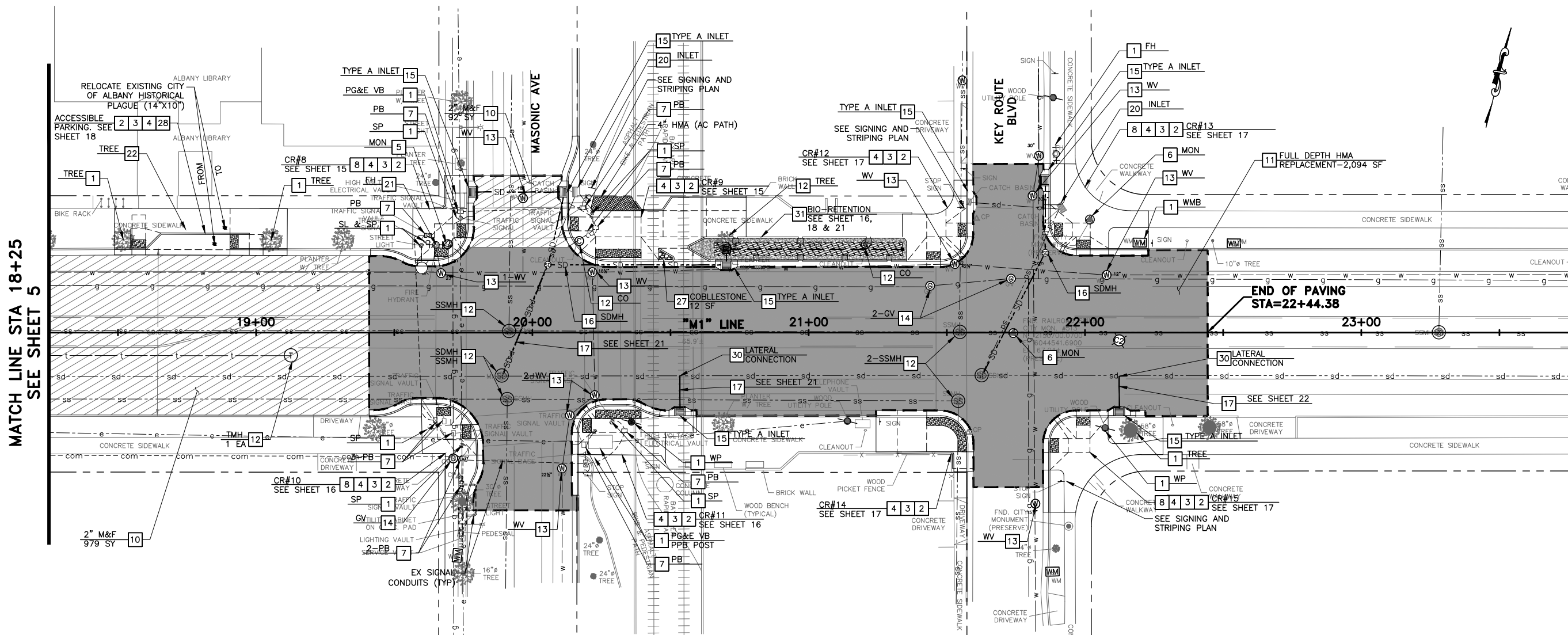
Sheet Number:
C-1
5 of 27



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
STREET IMPROVEMENT PLAN
STA 18+25 TO STA 22+50



MATCH LINE STA 18+25
SEE SHEET 5

END OF PAVING
STA=22+44.38

PLAN VIEW
SCALE: 1" = 20'

CORING LOG				
CORE NO	LOCATION	AC	AB	R-VALUE
C1	EB PARKING	7.7"	4"	15
C2	CENTER LANE	5.5"	12"	15

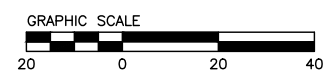
DEPTH MEASURED AT LOCATIONS SHOWN ON PLAN

LEGEND	
SYMBOL	ITEM DESCRIPTION
	2" HMA MILL AND FILL
	12" FULL DEPTH HMA REPLACEMENT
	8" AC DIGOUT
	PCC SIDEWALK
	4" MULCH IN PLANTER
	GREEN INFRASTRUCTURE
	CITY RIGHT OF WAY
	SD PVC PIPE
	INTERSECTION GRADING AND GRADING LIMIT
	CORING LOCATION & NUMBER
	CITY MONUMENT
	DRAIN INLET
	SEWER, STORM DRAIN, TELEPHONE MANHOLE/CLEANOUT
	EBMUD WATER VALVE
	WATER METER PULL BOX
	PG&E GAS VALVE
	FIRE HYDRANT
	WOOD POLE
	EX RRFB
	PUSH BUTTON ASSEMBLY POST

- PROJECT NOTES**
- PROTECT IN PLACE.
 - CONSTRUCT CURB AND GUTTER PER MODIFIED CITY STD DETAIL NO. ST 1 ON SHEET CD-1.
 - CONSTRUCT SIDEWALK PER CITY STANDARD DETAIL ST 4.
 - CONSTRUCT CURB RAMP PER CITY STD DETAILS ST 9.1 TO ST 9.11. DWS SHALL ORIENTED PARALLEL TO THE PREDOMINATED DIRECTION OF TRAVEL PER DETAIL 6 ON SHEET CD-1.
 - LOCATE MISSING MONUMENT PER CITY MONUMENT RECORD AND RE-ESTABLISH MONUMENT PER CITY STD DETAIL NO. ST 21.
 - ADJUST TO FINISH GRADE SURVEY MONUMENT BOX PER CITY STD DETAIL NO. ST 21. MONUMENT PRESERVATION REQUIRED.
 - ADJUST TO FINISH GRADE PULL BOX TO GRADE IN SIDEWALK OR PLANTER.
 - 4" MULCH WITH LANDSCAPE FABRIC PER DETAIL 8 ON SHEET CD-1.
 - REMOVE AND REPLACE ASPHALT PAVEMENT SURFACE FAILURE WITH 8" AC DIGOUT AFTER COLD PLANING.

- 2" THICK COLD PLANING EXISTING ASPHALT PAVEMENT. INSTALL 2" HMA PER TYPICAL CROSS SECTIONS ON SHEET 3.
- ROADWAY EXCAVATION UP TO 20 INCHES DEEP, INCLUDES AC, AB AND SUB-GRADE MATERIALS. INSTALL 12" FULL DEPTH HMA PER TYPICAL CROSS SECTIONS ON SHEET 3 AND DETAIL 4 ON CD-1.
- ADJUST TO FINISH GRADE FRAME & COVER PER CITY STD DETAIL NO. SSS.
- ADJUST TO FINISH GRADE VALVE BOX PER EBMUD REQUIREMENTS. IF PERFORM BY CONTRACTOR, WRITTEN APPROVAL FROM EBMUD REQUIRED PRIOR TO START OF WORK.
- ADJUST TO FINISH GRADE GAS VALVE BOX PER PG&E REQUIREMENTS. IF PERFORM BY CONTRACTOR, WRITTEN APPROVAL FROM PG&E REQUIRED PRIOR TO START OF WORK.
- INSTALL TYPE "A" INLET PER CITY STD DETAIL NO. SD 1.1 AND SD 1.2. INSTALL NPDES MEDALLION PER CITY STD DETAIL NO. ST 17.
- REMOVE AND REPLACE STORM DRAIN MANHOLE OR DRAINAGE STRUCTURE WITH PRECAST MANHOLE, TYPE I BASE, FRAME & COVER PER CITY STD DETAIL NO. SD 7.
- INSTALL PVC PIPE PER TYPICAL MATCH SECTION PER CITY STD DETAIL NO. SS 7. REMOVE EXISTING SD PIPE IF APPLICABLE.
- INSTALL TEMPORARY DRAINAGE INLET PROTECTION PER CALTRANS STD PLAN T-62.
- WOOD POLE TO BE REMOVED BY OTHERS.
- REMOVE AND BACKFILL EX DRAIN INLET OR DRAIN BOX.
- RELOCATE FIRE HYDRANT PER EBMUD REQUIREMENTS. EXACT LOCATION TO BE APPROVED BY THE ENGINEER.
- REMOVE EX TREE.
- TRIM TREE ROOT PER CITY ARBORIST DIRECTION.
- RELOCATE EXISTING RRFB ASSEMBLY 3' MIN FROM FACE OF CURB. NEW FOUNDATION SHALL MATCH EXISTING. EXACT LOCATION SHALL BE APPROVED BY THE ENGINEER.
- PUSH BUTTON ASSEMBLY POST PER CALTRANS STD PLAN ES-7A. RELOCATE EXISTING PUSH BUTTON FROM EXISTING RRFB. INSTALL CONDUITS, CABLES, PULL BOX AS NECESSARY.
- SEE SIGNING AND STRIPING PLAN ON SHEETS 7 AND 8.
- COBBLESTONE PER DETAIL 7 ON CD-1.
- CONVENTIONAL ACCESSIBLE PARKING ON-STREET PER CALTRANS STD PLAN A90B.
- RECONSTRUCT TOP PORTION OF DRAIN INLET TO TYPE "A" INLET PER CITY STD DETAIL NO. SD 1.1 AND SD 1.2. INSTALL NPDES MEDALLION PER CITY STD DETAIL NO. ST 17.
- LATERAL CONNECTION PER DETAIL 9 ON SHEET CD-1.
- SEE BIO-RETENTION DETAILS ON SHEET CD-2.

SEE IMPROVEMENT QUANTITY ON SHEET 27



Submission / Revision:

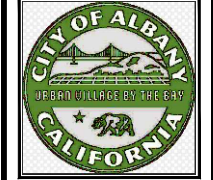
Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:

C-2

6 of 27

811 Know what's below. Call before you dig.



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543

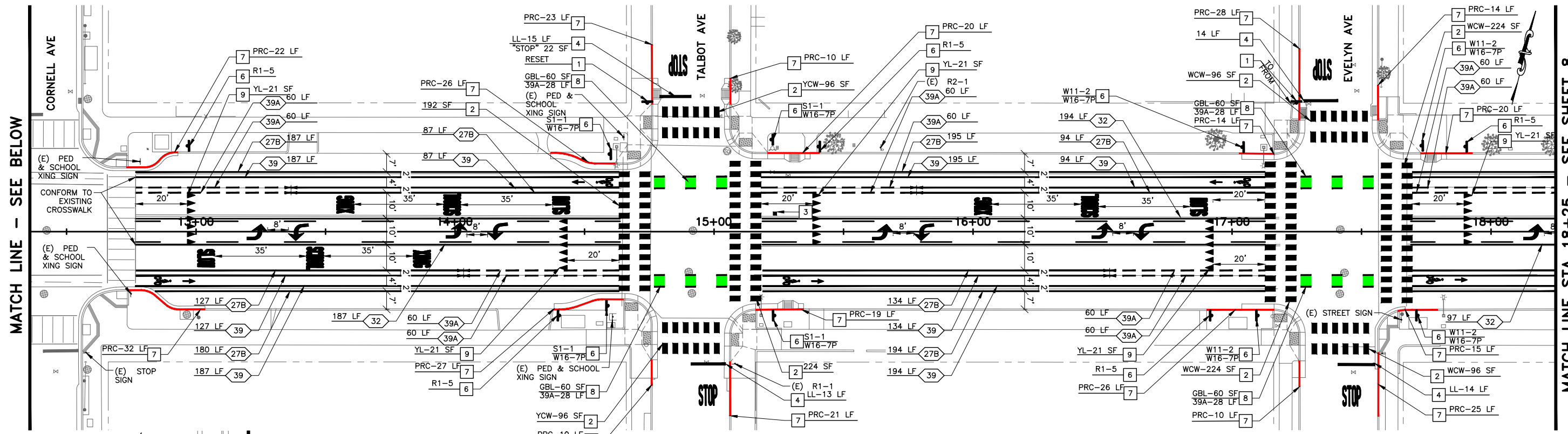


PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
SIGNING AND STRIPING PLAN

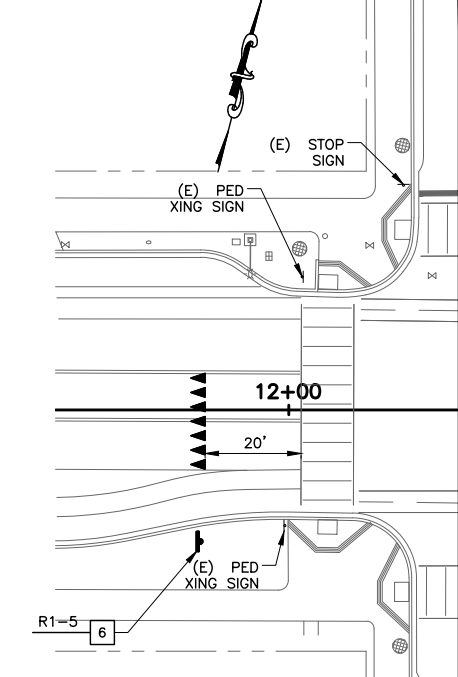
Submittal / Revision:	

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

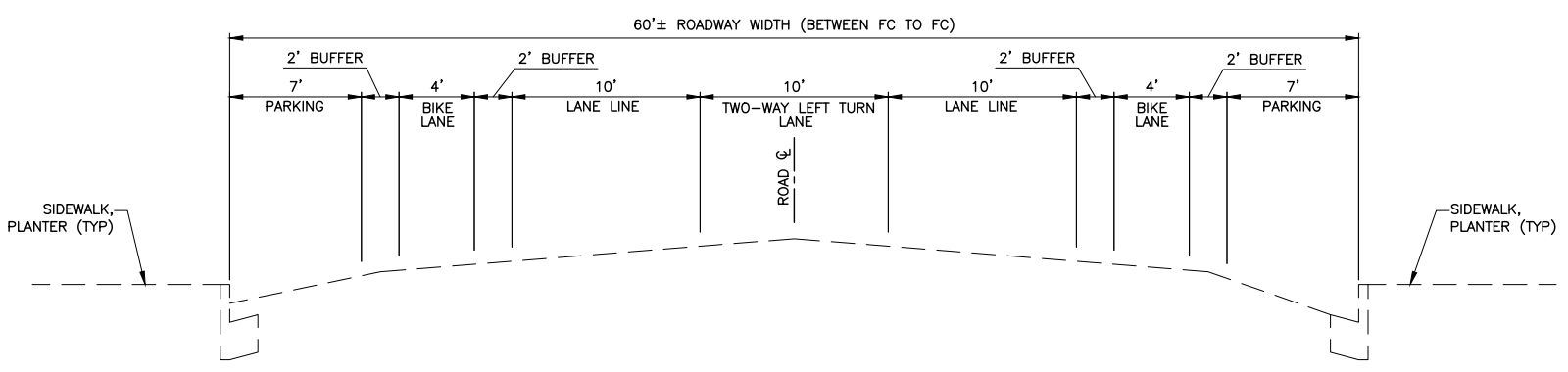
Sheet Number:
SS-1
7 of 27



PLAN VIEW
SCALE: 1" = 20'



MATCH LINE - SEE ABOVE



TYPICAL CROSS SECTION STRIPING

LEGEND:

	LIMIT LINE		DETAIL 22
	PAVEMENT MARKINGS		DETAIL 27B
	TYPE IV TURN ARROW		DETAIL 29
	(E) TRAFFIC LOOP		DETAIL 32
	BLUE MARKER		DETAIL 38
	CHANGE OF STRIPE DILINEATION		DETAIL 39
	RELOCATE (E) SIGN		DETAIL 39A
	DETAIL NUMBER		GREEN BIKE LANE (4' GREEN - 8' EMPTY)
	BIKE LANE MARKING		PAINT RED CURB
	MEDIAN TURN LANE MARKING		PAINT BLUE CURB
	YIELD LINE		PAINT YELLOW CURB
	Know what's below. Call before you dig.		TRIPLE FOUR CROSSWALK (WHITE OR YELLOW)

ABBREVIATIONS:

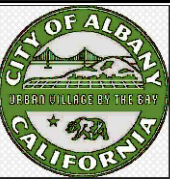
WCW	WHITE CROSSWALK
YCW	YELLOW CROSSWALK
GBL	GREEN BIKE LANE
LL	LIMIT LINE
YL	YIELD LINE
LF	LINEAR FEET
SF	SQUARE FEET
PRC	PAINT RED CURB
PBC	PAINT BLUE CURB

- PROJECT NOTES:**
- RELOCATE OR RESET SIGN PER CITY STANDARD DETAILS ST 11 & ST 12.
 - INSTALL TRIPLE 4 CROSSWALK PER DETAIL 1 ON SHEET CD-1.
 - INSTALL TWO-WAY REFLECTIVE BLUE PAVEMENT MARKER PER DETAIL 3 ON SHEET CD-1.
 - INSTALL TYPICAL INTERSECTION MARKINGS PER DETAIL 2 ON SHEET CD-1.
 - NOTE USED.
 - INSTALL TRAFFIC SIGN PER CITY STANDARD DETAILS ST 11.
 - INSTALL PAINT ON TOP AND FACE OF CURB. COLOR AS SHOWN.
 - INSTALL GREEN BIKE LANE WITH DETAIL 39A PER DETAIL 6, ON SHEET CD-1.
 - INSTALL YIELD LINE PER CALTRANS STD PLAN A24E.

SEE SIGNING AND STRIPING QUANTITY ON SHEET 27



File: \\saw-01\dms\proj\18-00000\18-00000.dwg Plot Date: Apr 15, 2022 at 10:08 AM
 Plot: \\saw-01\dms\proj\18-00000\18-00000.dwg Plot Date: Apr 15, 2022 at 10:08 AM

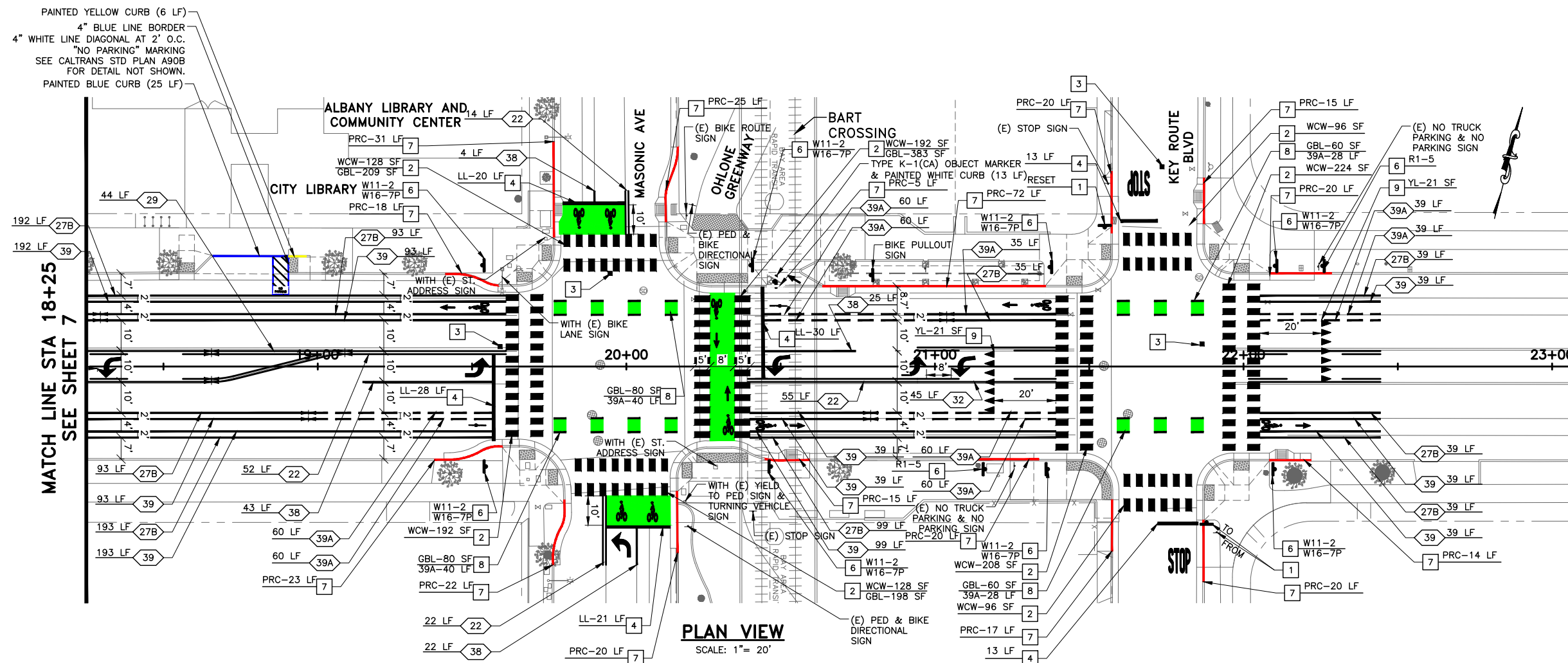


City of Albany
Maintenance Center

540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
SIGNING AND STRIPING PLAN



PLAN VIEW
SCALE: 1" = 20'

LEGEND:

	LIMIT LINE		DETAIL 22
	PAVEMENT MARKINGS		DETAIL 27B
	TYPE IV TURN ARROW		DETAIL 29
	(E) TRAFFIC LOOP		DETAIL 32
	BLUE MARKER		DETAIL 38
	CHANGE OF STRIPE DILINEATION		DETAIL 39
	RELOCATE (E) SIGN		DETAIL 39A
	DETAIL NUMBER		GREEN BIKE LANE (4' GREEN - 8' EMPTY)
	BIKE LANE MARKING		PAINT RED CURB
	MEDIAN TURN LANE MARKING		PAINT BLUE CURB
	YIELD LINE		PAINT YELLOW CURB
	Know what's below. Call before you dig.		TRIPLE FOUR CROSSWALK (WHITE OR YELLOW)

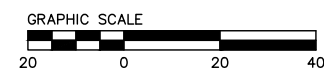
ABBREVIATIONS:

WCW	WHITE CROSSWALK
YCW	YELLOW CROSSWALK
GBL	GREEN BIKE LANE
LL	LIMIT LINE
YL	YIELD LINE
LF	LINEAR FEET
SF	SQUARE FEET
PRC	PAINT RED CURB
PBC	PAINT BLUE CURB

PROJECT NOTES:

- RELOCATE OR RESET SIGN PER CITY STANDARD DETAILS ST 11 & ST 12.
- INSTALL TRIPLE 4 CROSSWALK PER DETAIL 1 ON SHEET CD-1.
- INSTALL TWO-WAY REFLECTIVE BLUE PAVEMENT MARKER PER DETAIL 3 ON SHEET CD-1.
- INSTALL TYPICAL INTERSECTION MARKINGS PER DETAIL 2 ON SHEET CD-1.
- NOTE USED.
- INSTALL TRAFFIC SIGN PER CITY STANDARD DETAILS ST 11.
- INSTALL PAINT ON TOP AND FACE OF CURB. COLOR AS SHOWN.
- INSTALL GREEN BIKE LANE WITH DETAIL 39A PER DETAIL 6, ON SHEET CD-1.
- INSTALL YIELD LINE PER CALTRANS STD PLAN A24E.

SEE SIGNING AND STRIPING QUANTITY ON SHEET 27



Submittal / Revision:

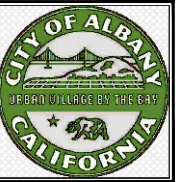
Designed By: DS/HA
 Drawn By: DS/HA
 Checked By: LL
 Date: 04/15/2022

Sheet Number:

SS-2

8 of 27

File: \\nas-01\proj\811\811-1000\811-1000-01\811-1000-01.dwg
 Plot: 1:10000 (Scale)
 Date: 04/15/2022 10:15:00 AM
 User: ds
 Title: 811-1000-01.dwg



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543

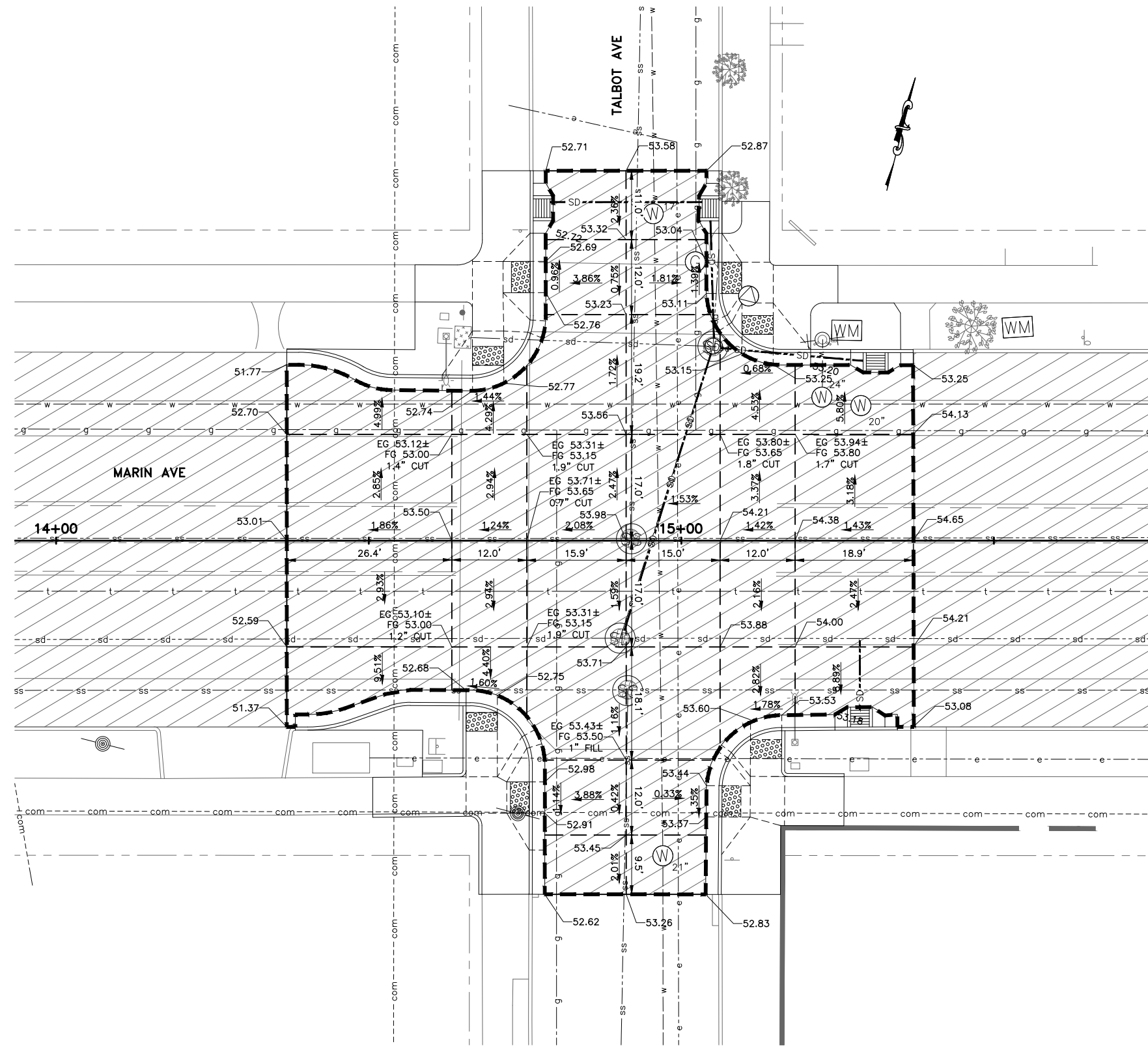


LEGEND:

- INTERSECTION GRADING
- FULL DEPTH HMA REPLACEMENT
- 2" MILL AND FILL
- GRADE BREAK
- EG 100.65± EXISTING GRADE SPOT ELEVATION
- 100.65 FINISHED GRADE SPOT ELEVATION, CONFORM
- 0.3%± EXISTING SLOPE
- 1.5% FINISHED SLOPE

CONSTRUCTION NOTES:

- 1) ALL SPOT ELEVATIONS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED.



MARIN AVENUE & TALBOT AVENUE INTERSECTION

SCALE: 1"=10'

**PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
INTERSECTION GRADING PLAN
MARIN AVE & TALBOT AVE INTERSECTION**

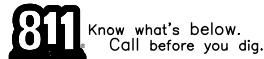
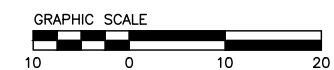
Submittal / Revision:	

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

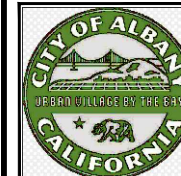
Sheet Number:

D-1

9 of 27



Title: 140424-02-001-1.dwg, Issue: 4, 04/15/2022, Information: 04/15/2022, Author: DS/HA, Project: 140424-02-001-1.dwg, 04/15/2022, 10:00 AM
 Path: \\S:\Projects\140424\02\001\1.dwg, 04/15/2022, 10:00 AM
 Plot: 140424-02-001-1.dwg, 04/15/2022, 10:00 AM
 Plot Date: Apr 15, 2022 at 10:00 AM
 Plot Time: 10:00 AM
 Plot User: DS/HA



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543






PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
INTERSECTION GRADING PLAN
MARIN AVE & EVELYN AVE INTERSECTION

Submittal / Revision:	
▲	
▲	
▲	
▲	
▲	
▲	

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

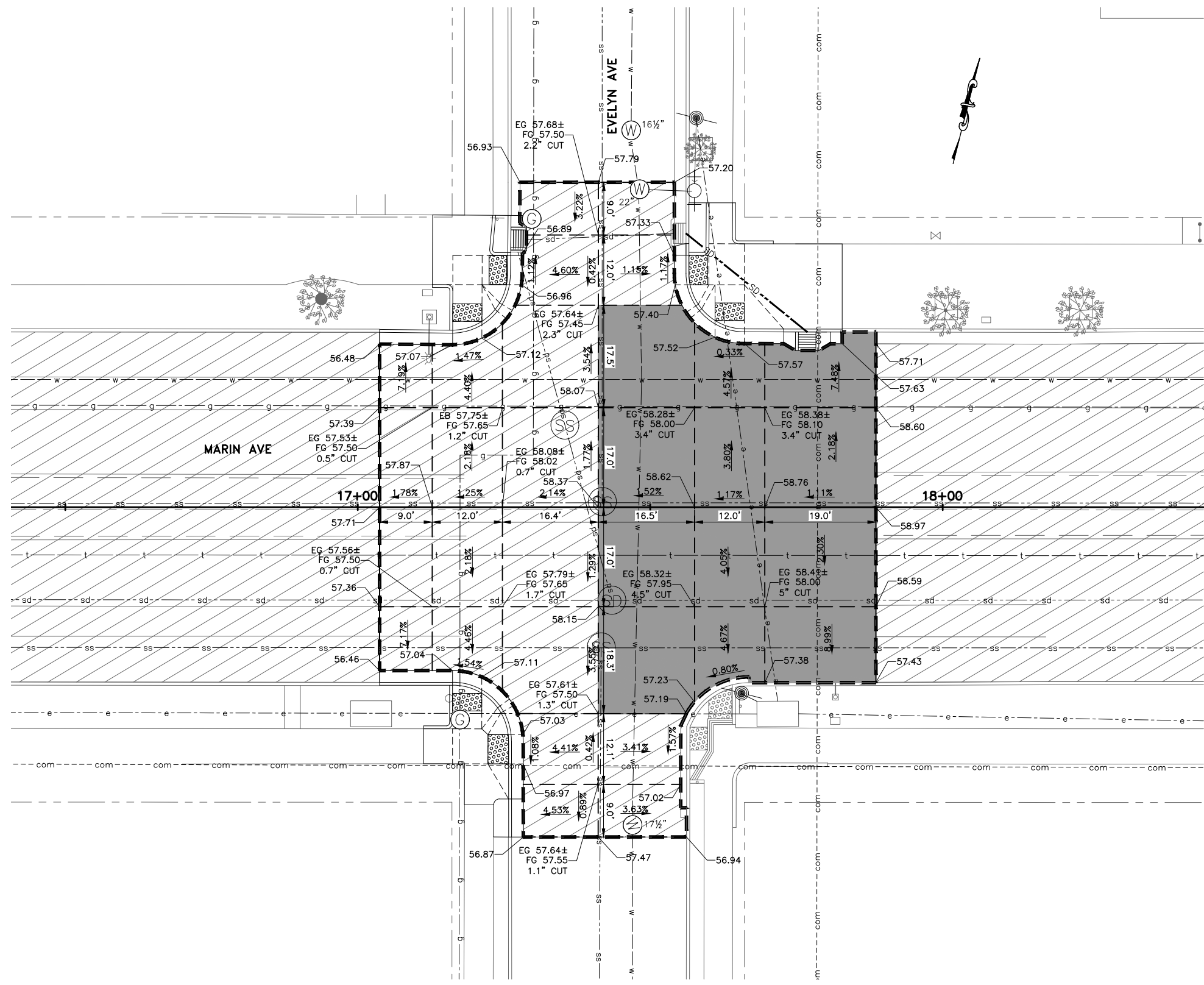
Sheet Number:
D-2
10 of 27

LEGEND:

-  INTERSECTION GRADING
-  FULL DEPTH HMA REPLACEMENT
-  2" MILL AND FILL
- - - - GRADE BREAK
- EG 100.65± EXISTING GRADE SPOT ELEVATION
- 100.65 FINISHED GRADE SPOT ELEVATION, CONFORM
- ← 0.3%± EXISTING SLOPE
- ← 1.5% FINISHED SLOPE

CONSTRUCTION NOTES:

- 1) ALL SPOT ELEVATIONS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED.



MARIN AVENUE & EVELYN AVENUE INTERSECTION

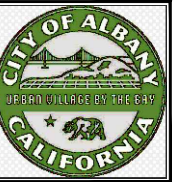
SCALE: 1"=10'

GRAPHIC SCALE



File: \projects\42470\1\dwg\42470-1.dwg - PAVE (2) 17:06:27 04/15/2022
User: dsheehan
Title: MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD) INTERSECTION GRADING PLAN
Project: 42470-1
Date: 04/15/2022 17:06:27
Path: \projects\42470\1\dwg\42470-1.dwg
User: dsheehan
Title: MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD) INTERSECTION GRADING PLAN
Project: 42470-1
Date: 04/15/2022 17:06:27

File: \\sfs\proj\138221\Drawings\138221.dwg - 138221.dwg - 138221.dwg
 Plot: \\sfs\proj\138221\Drawings\138221.dwg - 138221.dwg - 138221.dwg
 Date: Apr 15, 2022 at 10:20



City of Albany
 Maintenance Center
 540 Cleveland Avenue
 Albany, CA 94706
 (510) 524-9543



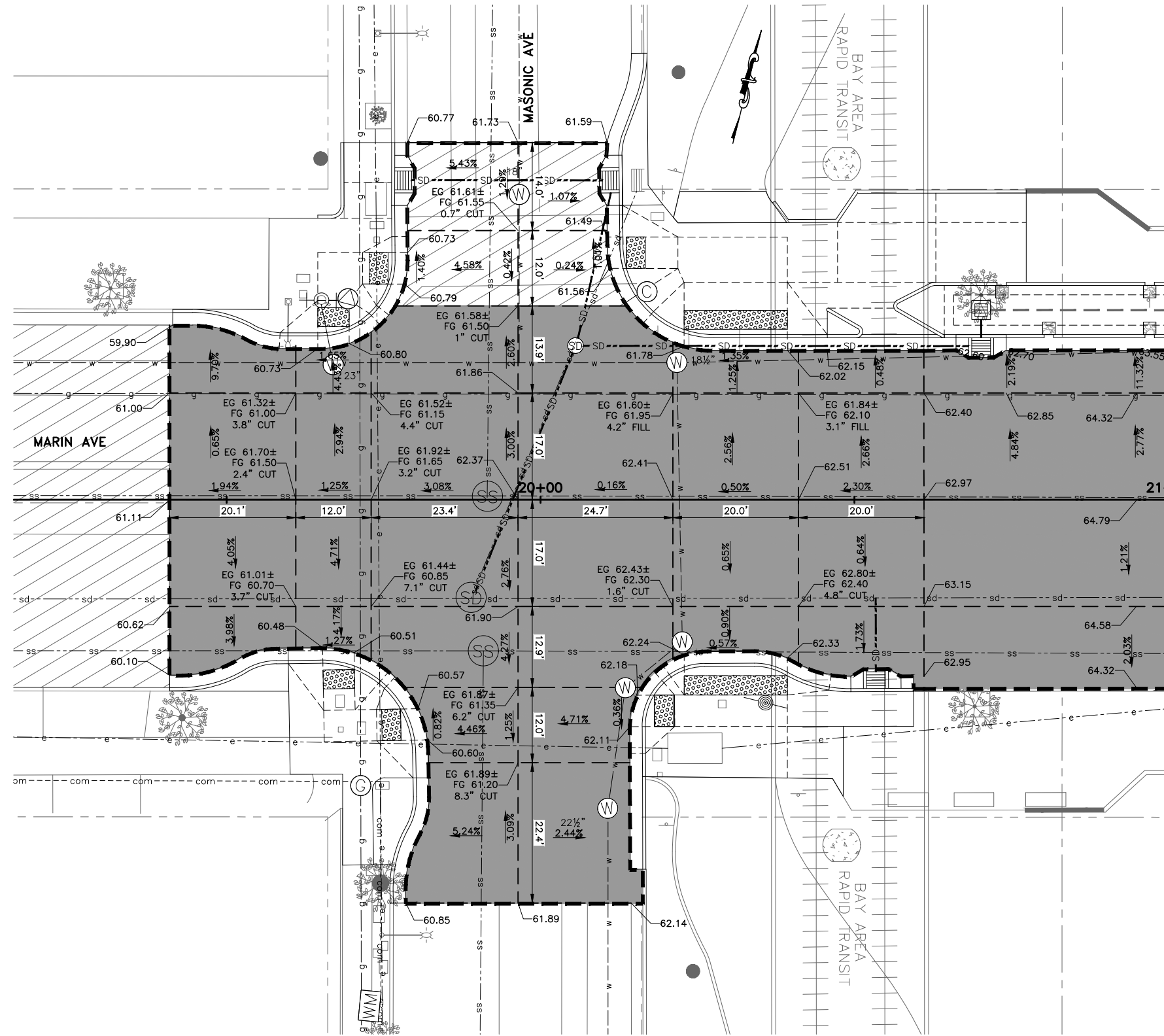
PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
INTERSECTION GRADING PLAN
MARIN AVE & MASONIC AVE INTERSECTION

LEGEND:

- INTERSECTION GRADING
- FULL DEPTH HMA REPLACEMENT
- 2" MILL AND FILL
- GRADE BREAK
- EG 100.65± EXISTING GRADE SPOT ELEVATION
- 100.65 FINISHED GRADE SPOT ELEVATION, CONFORM
- 0.3%± EXISTING SLOPE
- 1.5% FINISHED SLOPE

CONSTRUCTION NOTES:

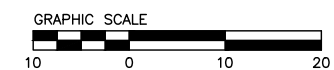
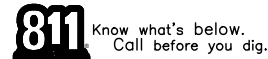
1) ALL SPOT ELEVATIONS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED.



MATCH LINE STA 21+00
 SEE SHEET 12

MARIN AVENUE & MASONIC AVENUE INTERSECTION

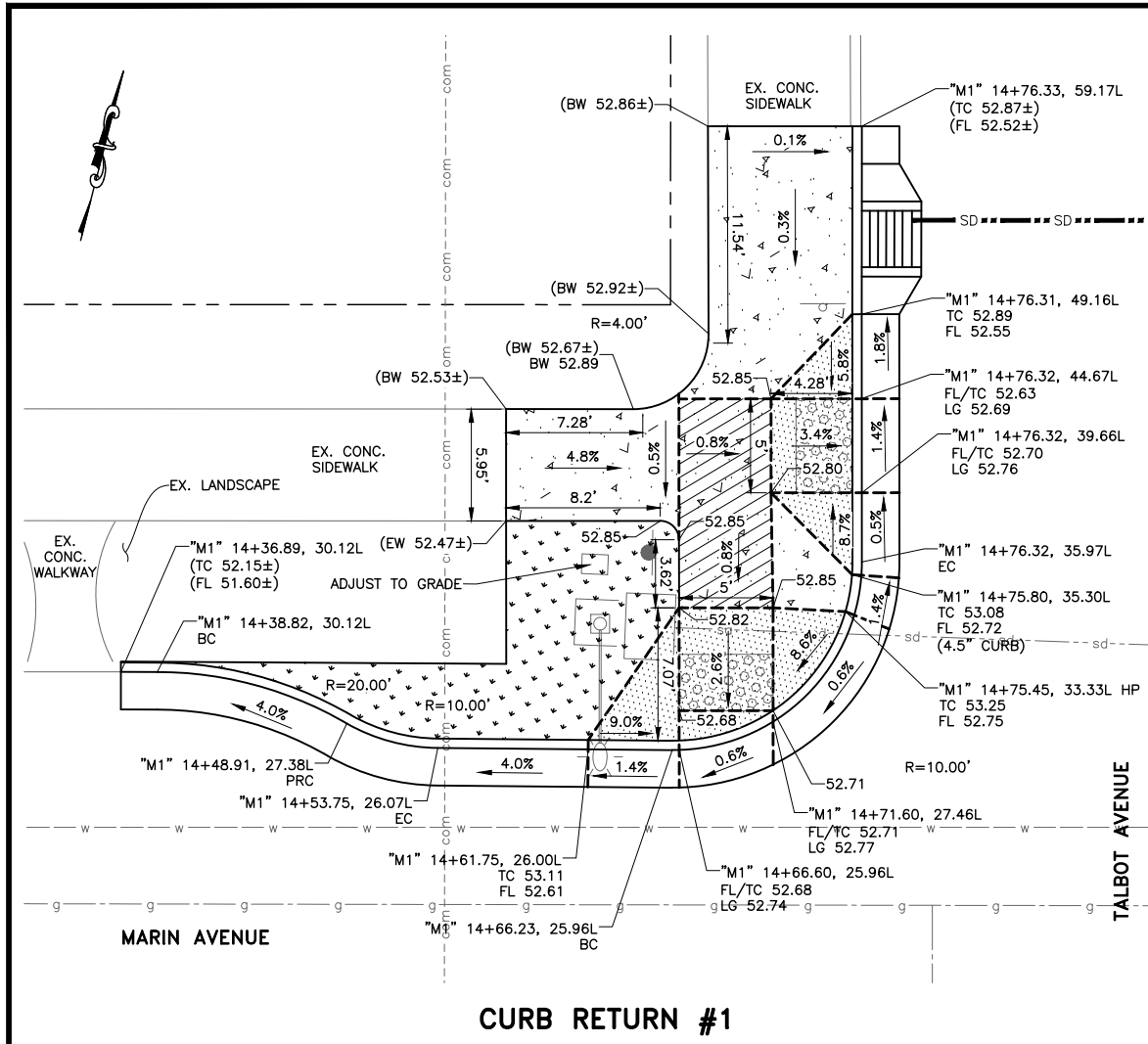
SCALE: 1"=10'



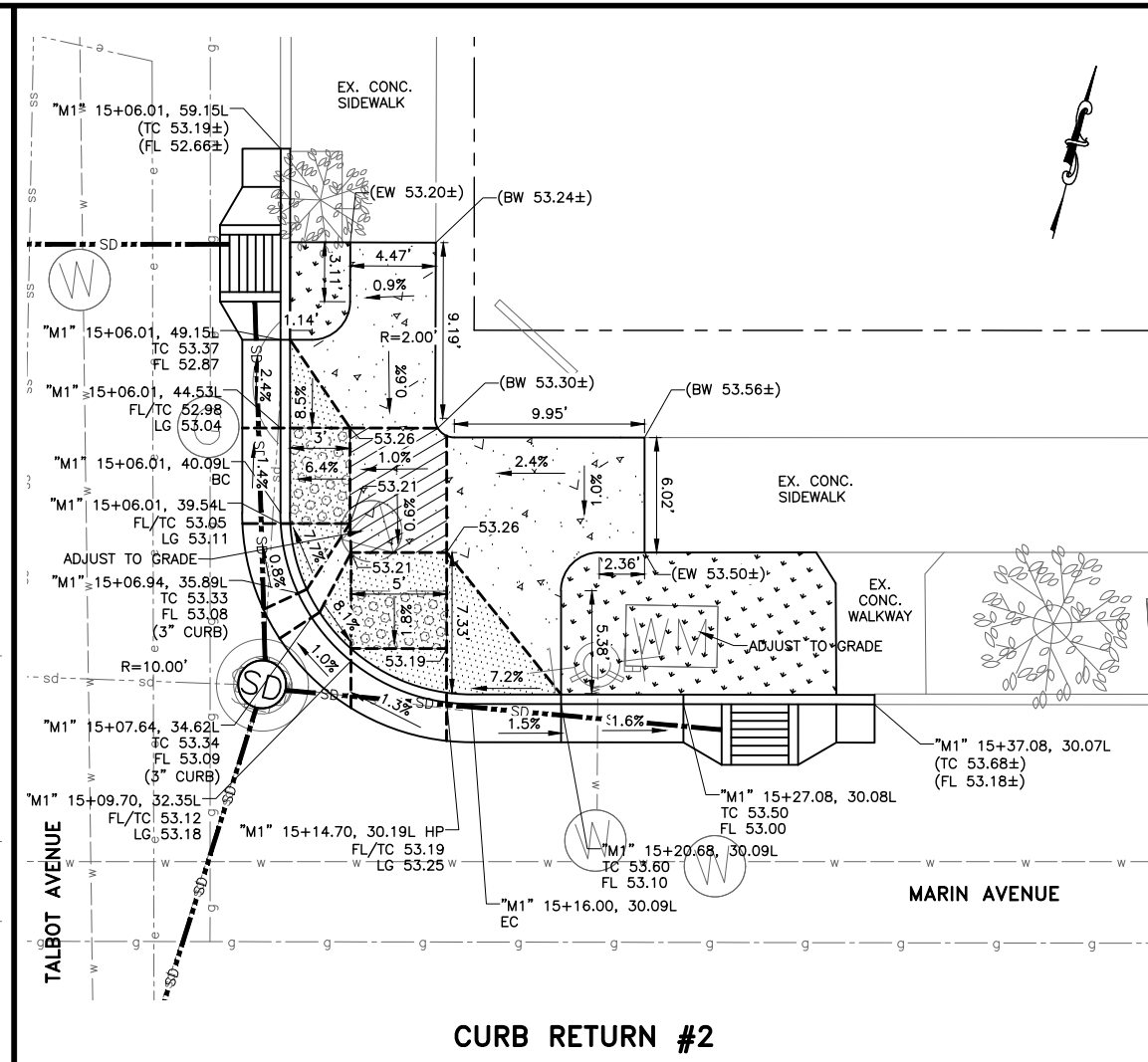
Submittal / Revision:	

Designed By:	DS/HA
Drawn By:	DS/HA
Checked By:	LL
Date:	04/15/2022

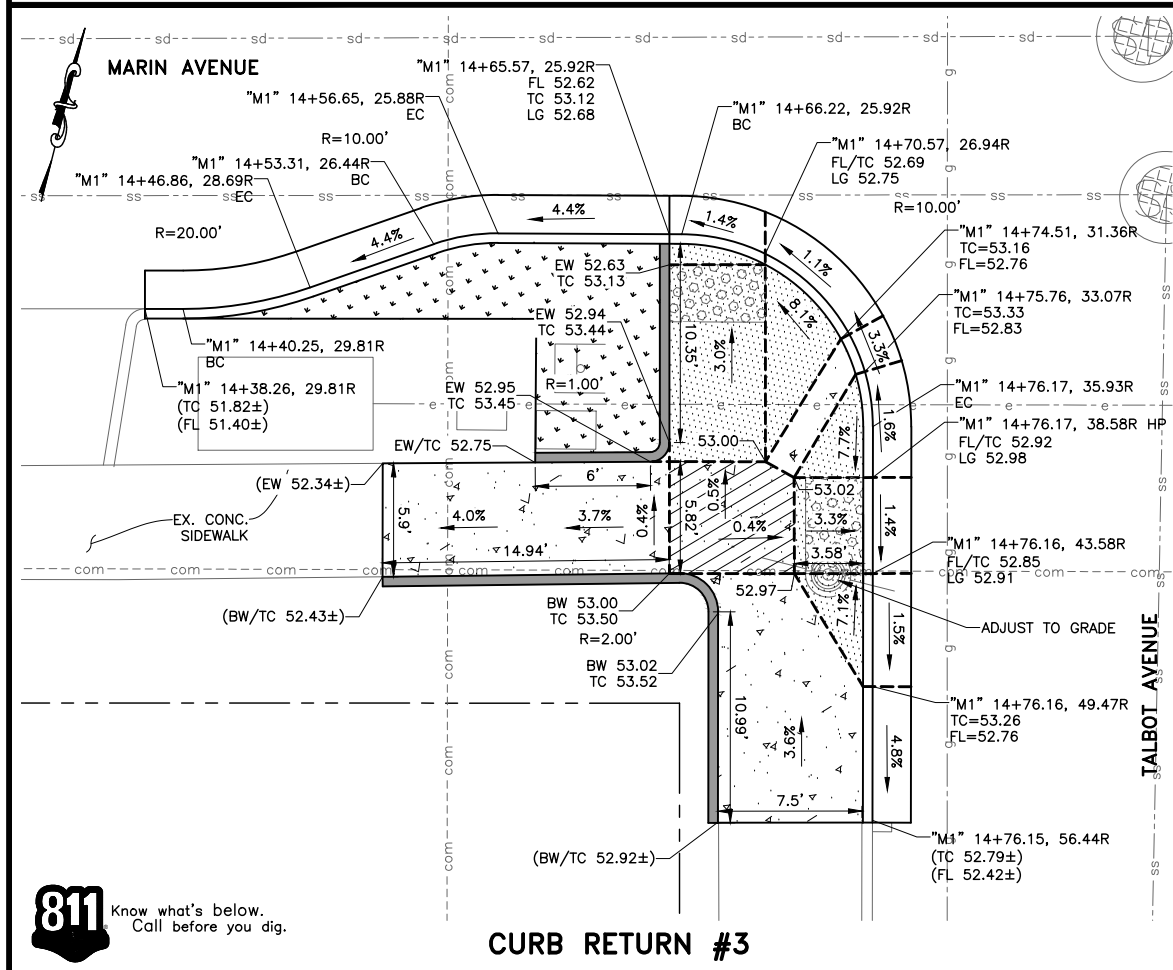
Sheet Number:
D-3
 11 of 27



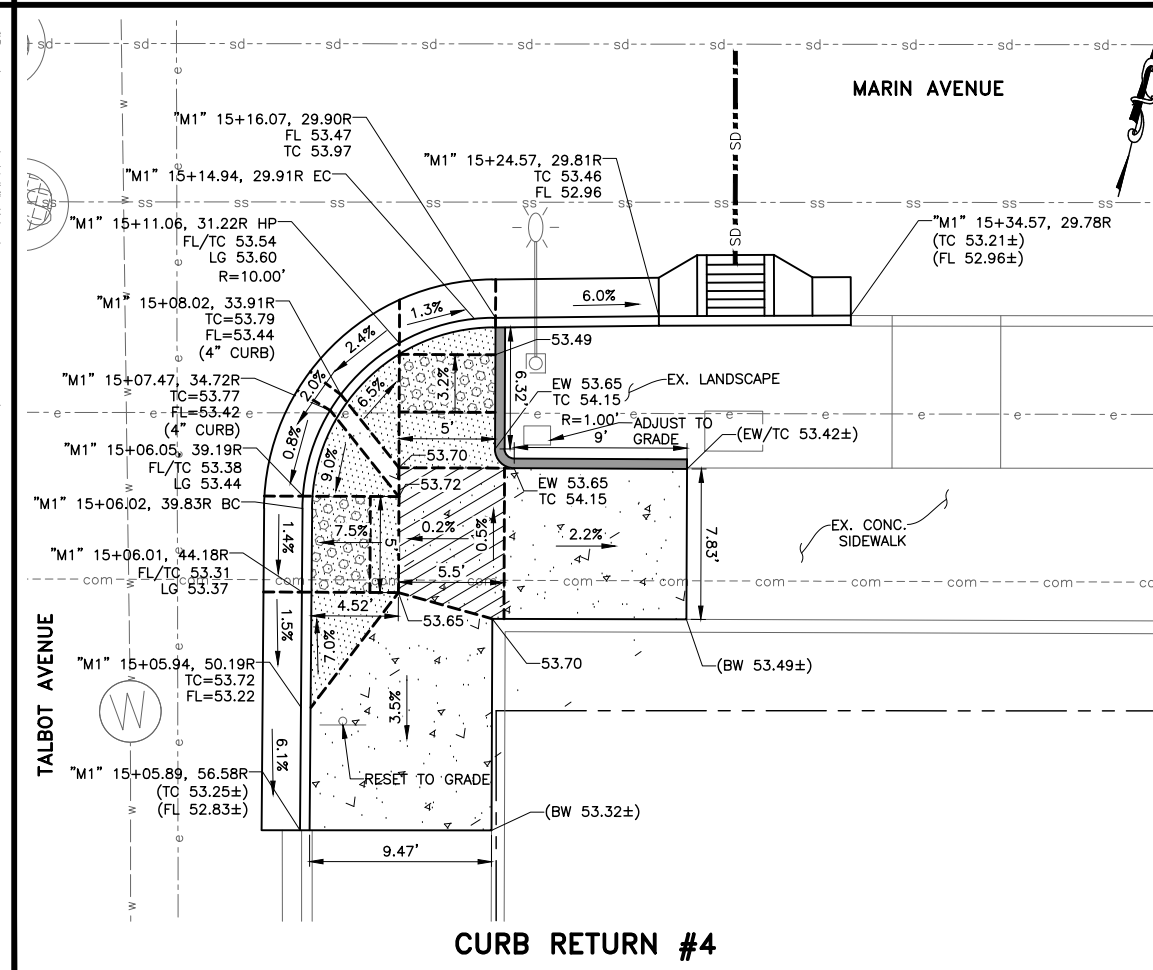
CURB RETURN #1



CURB RETURN #2



CURB RETURN #3



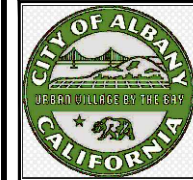
CURB RETURN #4

LEGEND:

- PCC CURB & GUTTER
- PCC SIDEWALK
- PCC CURB RAMP
- DETECTABLE WARNING SURFACE
- GREEN INFRASTRUCTURE
- PCC RETAINING CURB
- PLANTER AREA (MULCH)
- REMOVE AND REPLACE 4" HMA
- FLAT SIDEWALK OR LANDING AREA, SLOPES SHALL BE 1.5% MAX AT ALL DIRECTIONS
- COBBLE STONE
- CITY RIGHT OF WAY
- GRADE BREAK
- (FL 100.15±) EXISTING SPOT ELEVATION, CONFORM UNLESS OTHERWISE NOTED.
- FL 100.15 PROPOSED SPOT ELEVATION
- (0.3%±) EXISTING SLOPE
- 1.5% PROPOSED SLOPE
- TYPE "A" INLET
- SD STORM DRAIN PIPE

CONSTRUCTION NOTES:

1. FOR DRAINAGE IMPROVEMENTS, SEE STORM DRAIN PLANS ON SHEETS SD-1 TO SD-4.
2. ALL UTILITY COVERS AND PULL BOXES, WITHIN IMPROVEMENTS SHALL BE ADJUSTED TO FINAL GRADE, UNLESS OTHERWISE NOTED.
3. SEE CURB, GUTTER & SIDEWALK REPAIRS PER CITY STD DETAIL NO. ST 6.
4. SEE LEGEND & NOTES FOR SIDEWALKS, DRIVEWAYS AND CURB & GUTTER PER CITY STD DETAIL NO. ST 8.
5. SEE DETECTABLE WARNING SURFACE ORIENTATION AT CURB RETURN PER DETAIL 4 ON SHEET CD-1.



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543

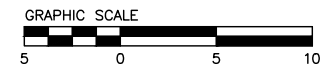
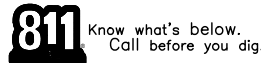


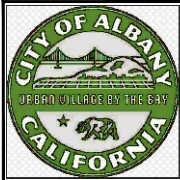
**PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
CURB RAMP GRADING PLAN**

Submittal / Revision:	

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:
D-5
13 of 27





City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
CURB RAMP GRADING PLAN

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

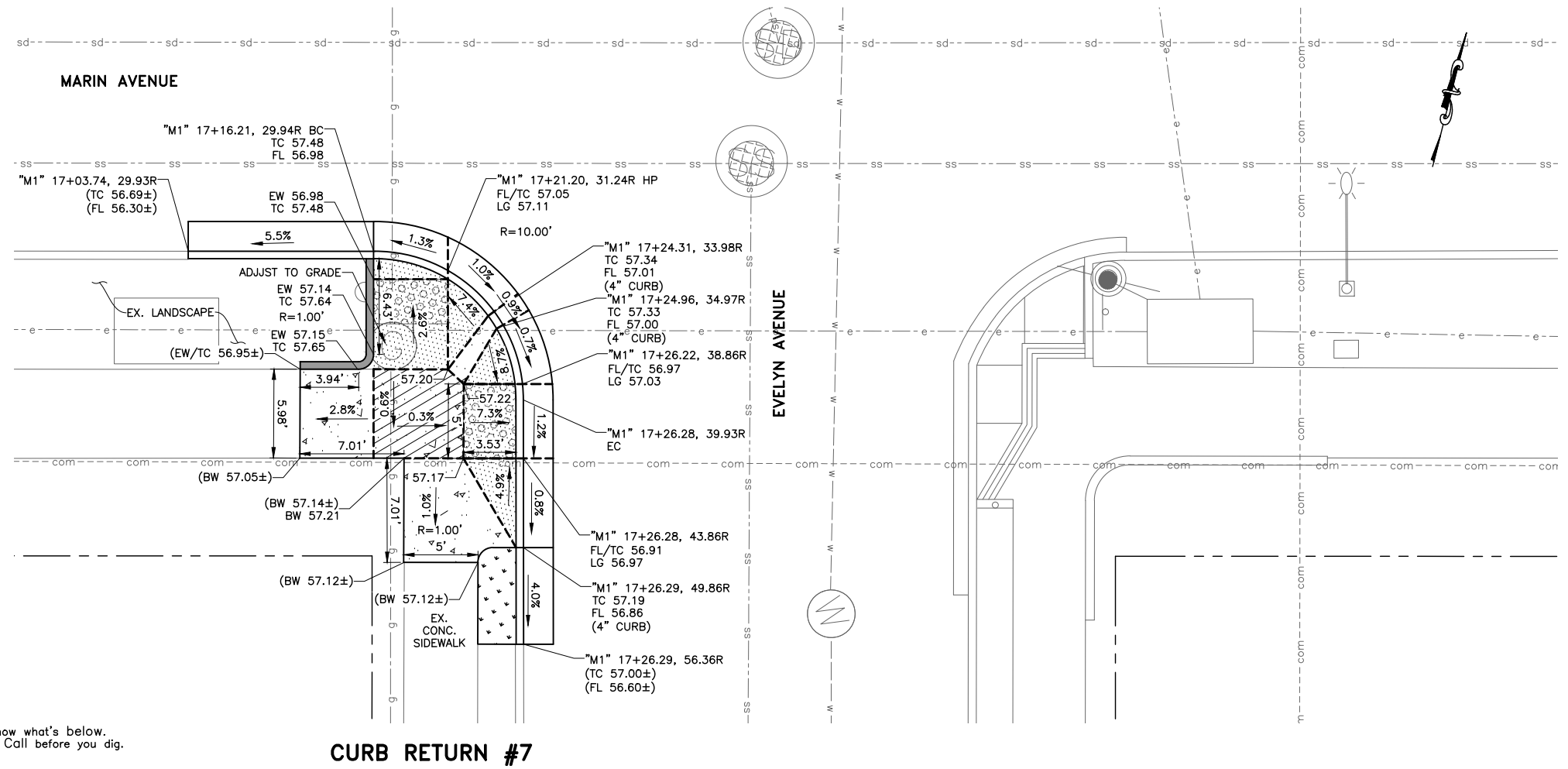
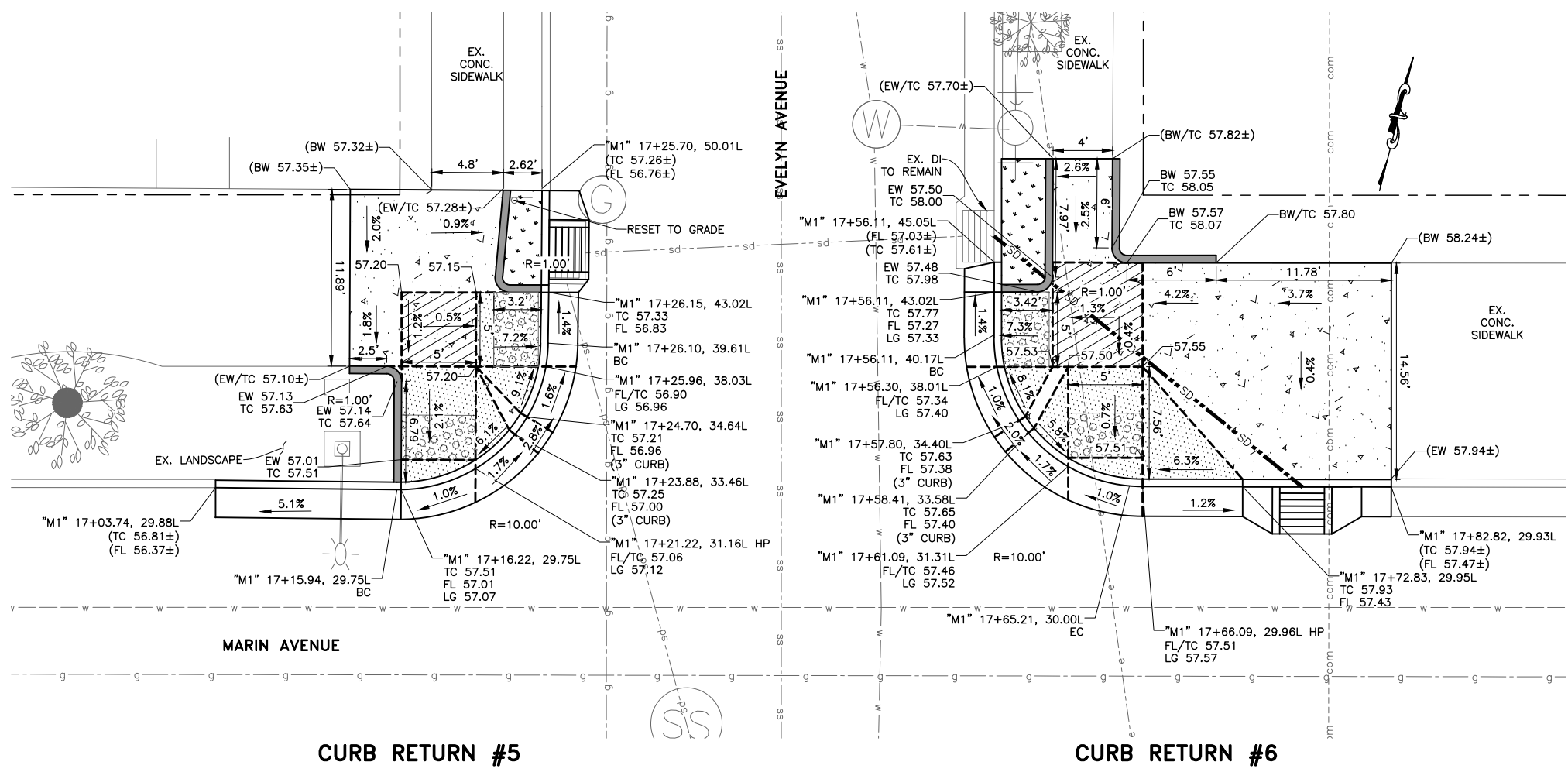
Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:
D-6
14 of 27

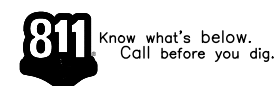
LEGEND:

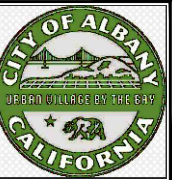
- PCC CURB & GUTTER
- PCC SIDEWALK
- PCC CURB RAMP
- DETECTABLE WARNING SURFACE
- GREEN INFRASTRUCTURE
- PCC RETAINING CURB
- PLANTER AREA (MULCH)
- REMOVE AND REPLACE 4" HMA
- FLAT SIDEWALK OR LANDING AREA, SLOPES SHALL BE 1.5% MAX AT ALL DIRECTIONS
- COBBLE STONE
- CITY RIGHT OF WAY
- GRADE BREAK
- (FL 100.15±) EXISTING SPOT ELEVATION, CONFORM UNLESS OTHERWISE NOTED.
- FL 100.15 PROPOSED SPOT ELEVATION
- (0.3%±) EXISTING SLOPE
- 1.5% PROPOSED SLOPE
- TYPE "A" INLET
- SD STORM DRAIN PIPE

- CONSTRUCTION NOTES:**
- FOR DRAINAGE IMPROVEMENTS, SEE STORM DRAIN PLANS ON SHEETS SD-1 TO SD-4.
 - ALL UTILITY COVERS AND PULL BOXES, WITHIN IMPROVEMENTS SHALL BE ADJUSTED TO FINAL GRADE, UNLESS OTHERWISE NOTED.
 - SEE CURB, GUTTER & SIDEWALK REPAIRS PER CITY STD DETAIL NO. ST 6.
 - SEE LEGEND & NOTES FOR SIDEWALKS, DRIVEWAYS AND CURB & GUTTER PER CITY STD DETAIL NO. ST 8.
 - SEE DETECTABLE WARNING SURFACE ORIENTATION AT CURB RETURN PER DETAIL 4 ON SHEET CD-1.



Title Block
 Project: Pavement and Curb Rehabilitation Project
 Sheet: D-6
 Date: 04/15/2022
 Designer: DS/HA
 Drafter: DS/HA
 Checker: LL
 Scale: As Shown
 Notes: See all sheets for details.

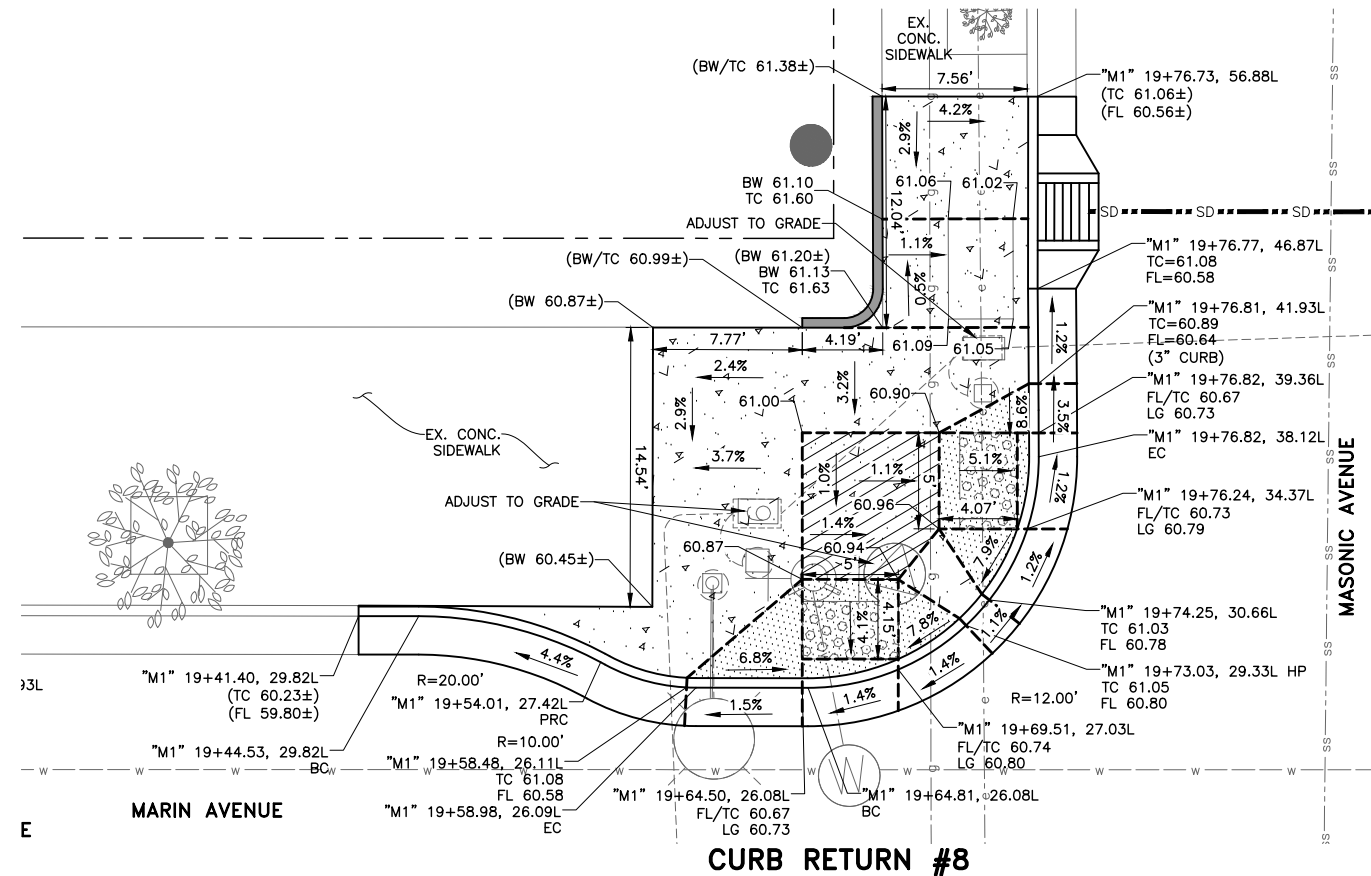




City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543

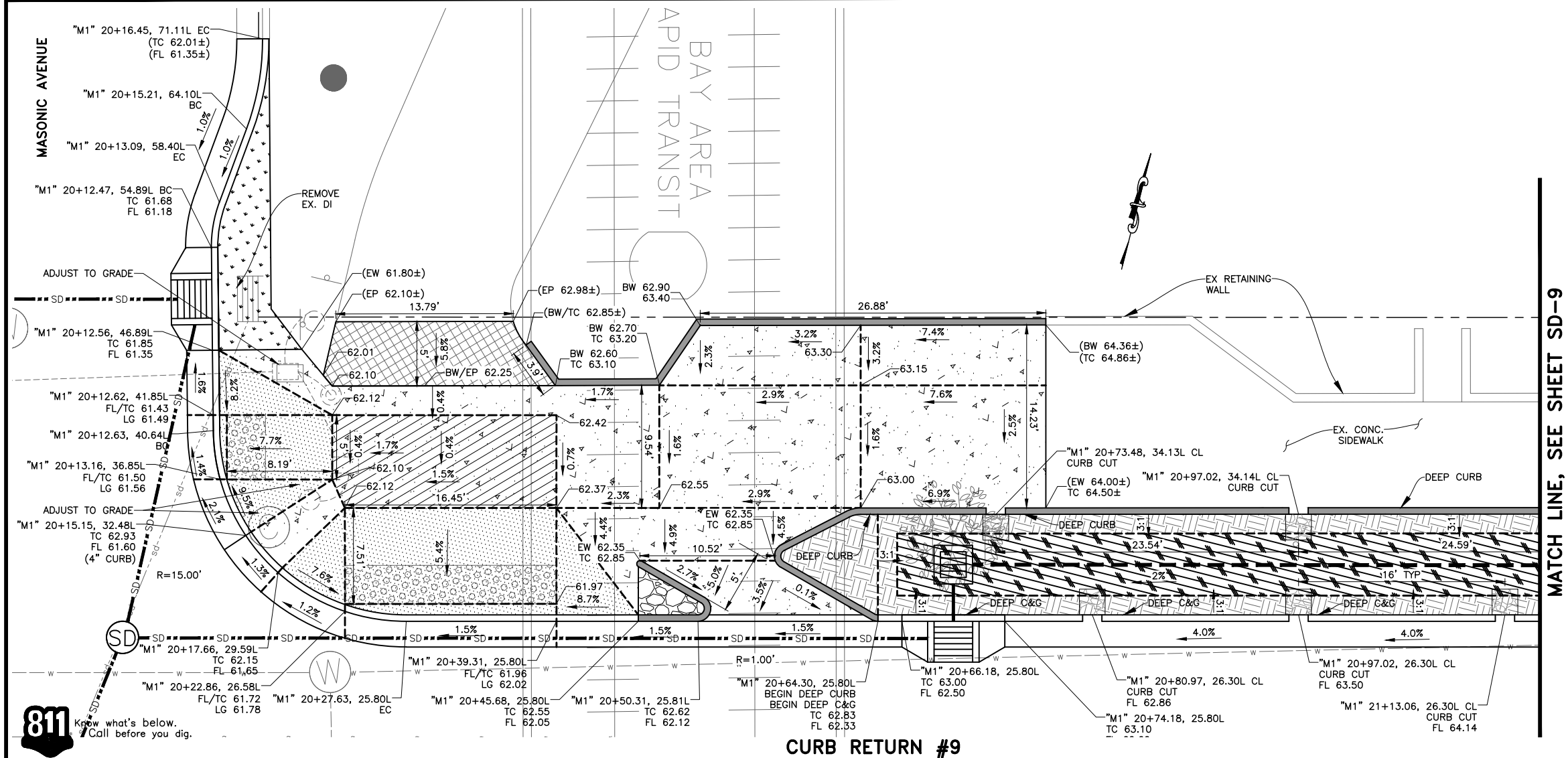


PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
CURB RAMP GRADING PLAN



- LEGEND:**
- PCC CURB & GUTTER
 - PCC SIDEWALK
 - PCC CURB RAMP
 - DETECTABLE WARNING SURFACE
 - GREEN INFRASTRUCTURE
 - PCC RETAINING CURB
 - PLANTER AREA (MULCH)
 - REMOVE AND REPLACE 4" HMA
 - FLAT SIDEWALK OR LANDING AREA, SLOPES SHALL BE 1.5% MAX AT ALL DIRECTIONS
 - COBBLE STONE
 - CITY RIGHT OF WAY
 - GRADE BREAK
 - (FL 100.15±) EXISTING SPOT ELEVATION, CONFORM UNLESS OTHERWISE NOTED.
 - FL 100.15 PROPOSED SPOT ELEVATION
 - (0.3%±) EXISTING SLOPE
 - 1.5% PROPOSED SLOPE
 - TYPE "A" INLET
 - SD STORM DRAIN PIPE

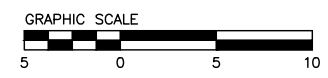
- CONSTRUCTION NOTES:**
1. FOR DRAINAGE IMPROVEMENTS, SEE STORM DRAIN PLANS ON SHEETS SD-1 TO SD-4.
 2. ALL UTILITY COVERS AND PULL BOXES, WITHIN IMPROVEMENTS SHALL BE ADJUSTED TO FINAL GRADE, UNLESS OTHERWISE NOTED.
 3. SEE CURB, GUTTER & SIDEWALK REPAIRS PER CITY STD DETAIL NO. ST 6.
 4. SEE LEGEND & NOTES FOR SIDEWALKS, DRIVEWAYS AND CURB & GUTTER PER CITY STD DETAIL NO. ST 8.
 5. SEE DETECTABLE WARNING SURFACE ORIENTATION AT CURB RETURN PER DETAIL 4 ON SHEET CD-1.



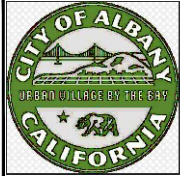
MATCH LINE, SEE SHEET SD-9

Submittal / Revision:	

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022



811 Know what's below. Call before you dig.



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543

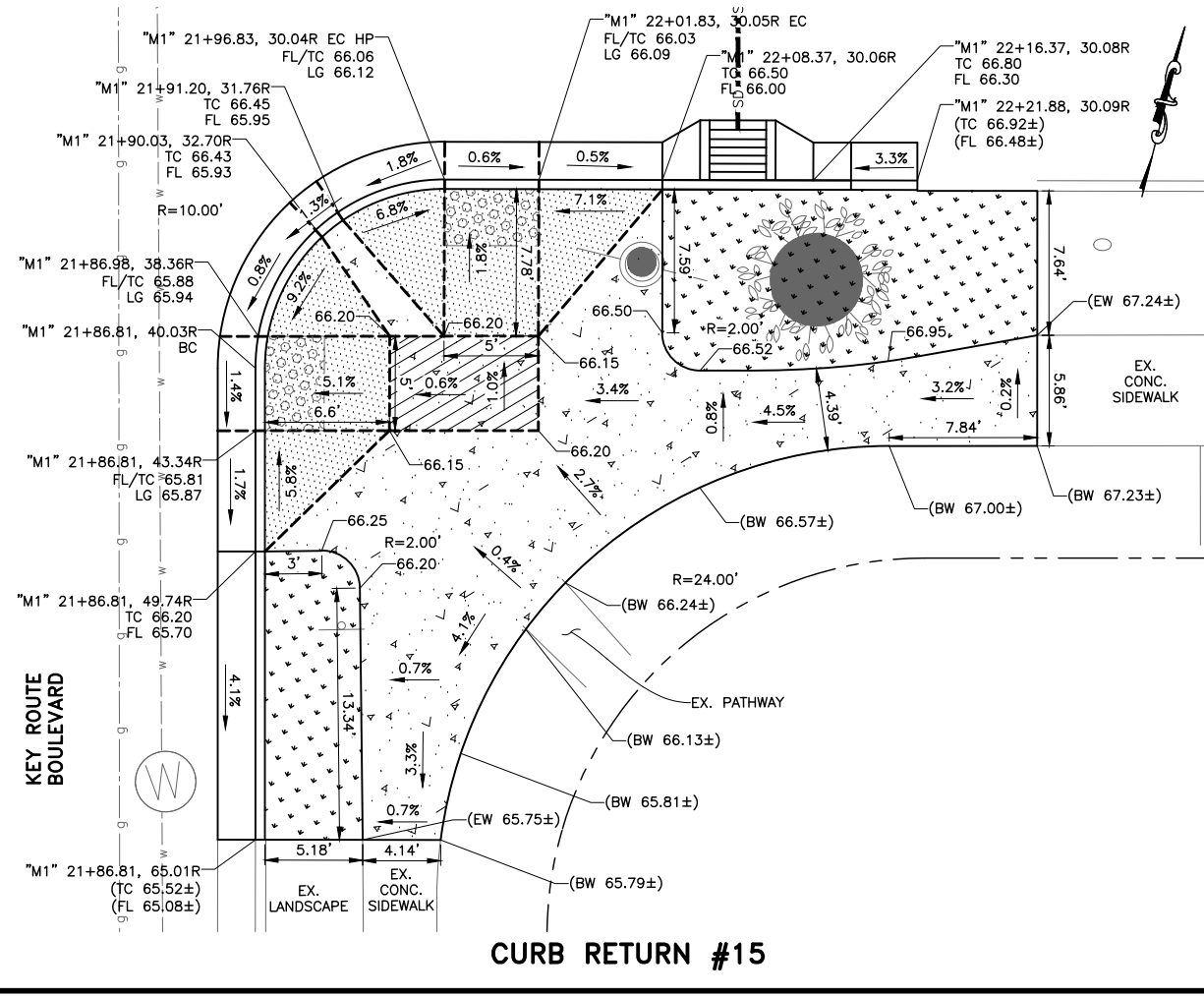
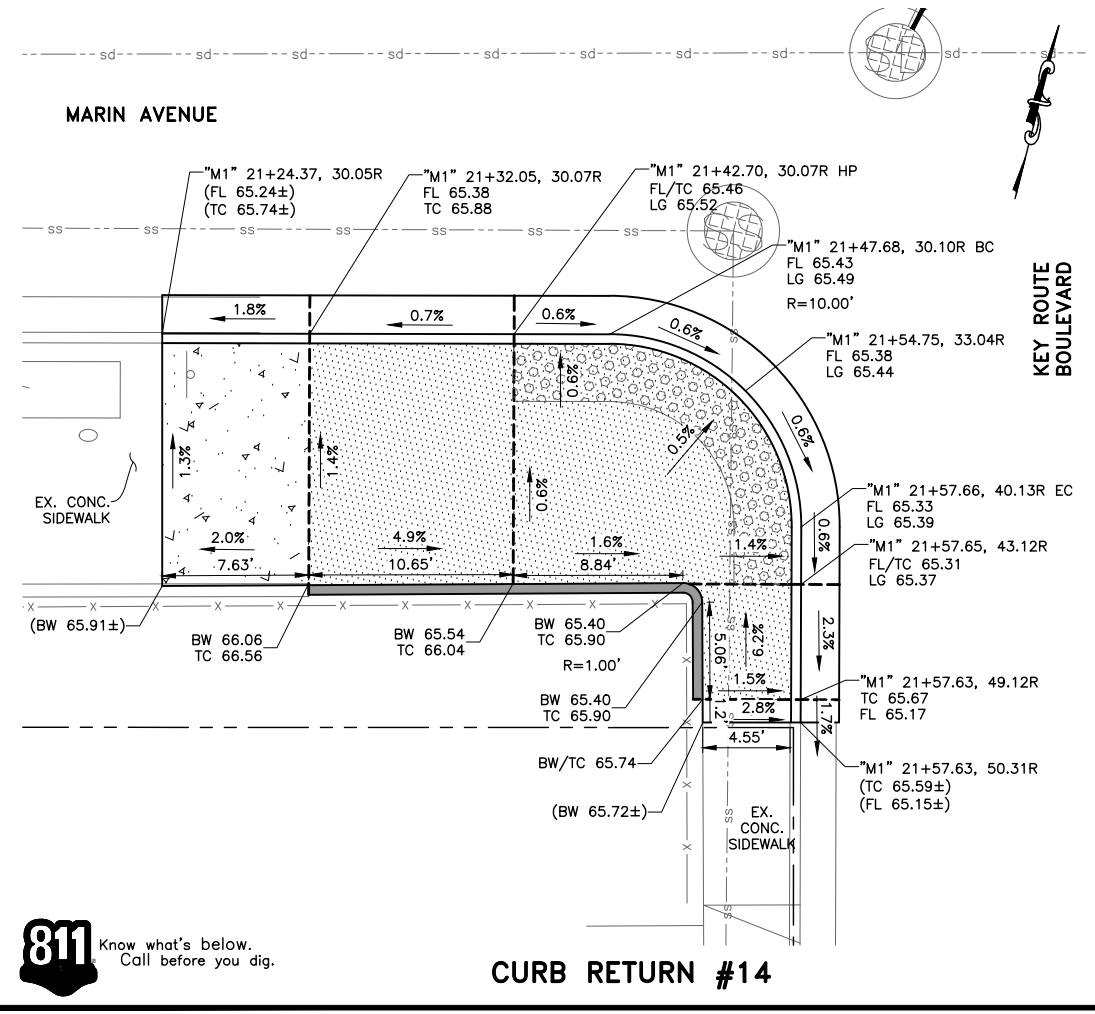
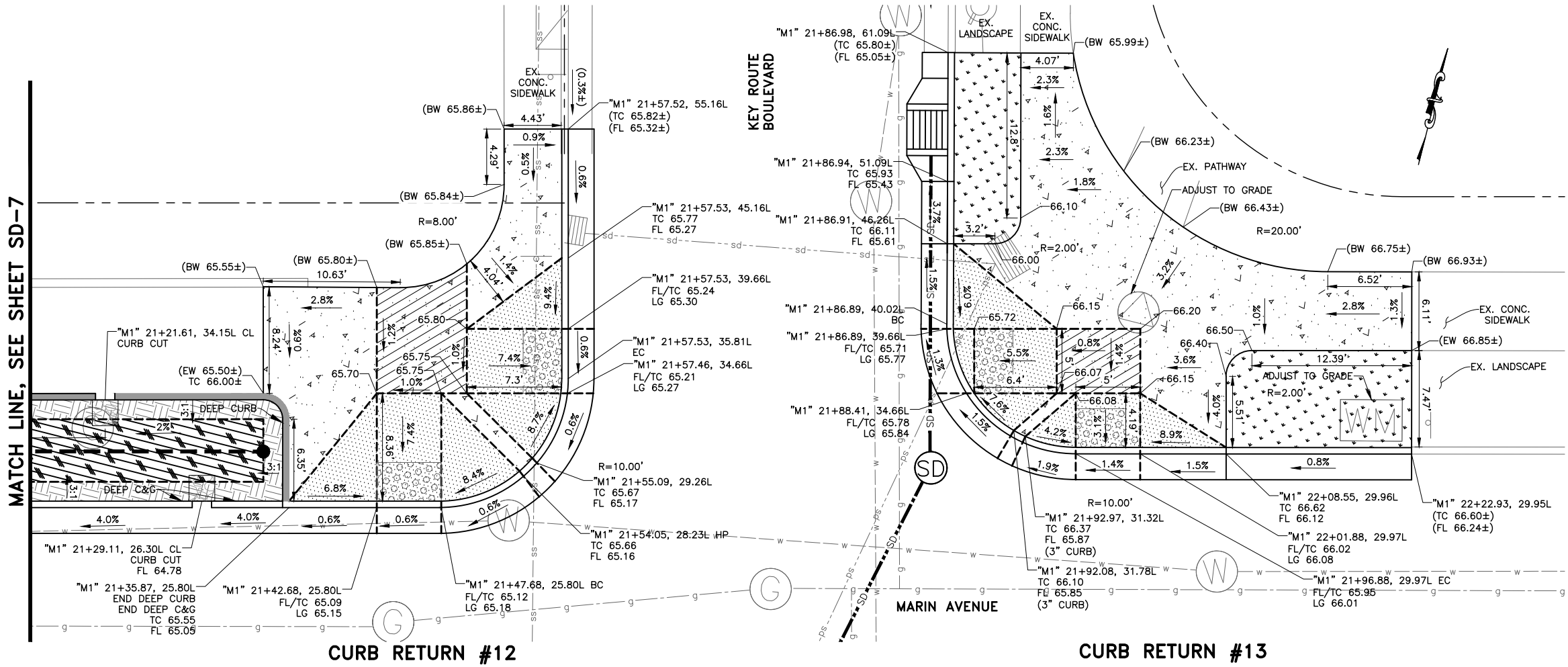


PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
CURB RAMP GRADING PLAN

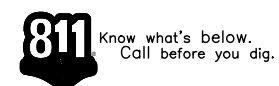
- LEGEND:**
- PCC CURB & GUTTER
 - PCC SIDEWALK
 - PCC CURB RAMP
 - DETECTABLE WARNING SURFACE
 - GREEN INFRASTRUCTURE
 - PCC RETAINING CURB
 - PLANTER AREA (MULCH)
 - REMOVE AND REPLACE 4" HMA
 - FLAT SIDEWALK OR LANDING AREA, SLOPES SHALL BE 1.5% MAX AT ALL DIRECTIONS
 - COBBLE STONE
 - CITY RIGHT OF WAY
 - GRADE BREAK
 - (FL 100.15±) EXISTING SPOT ELEVATION, CONFORM UNLESS OTHERWISE NOTED.
 - FL 100.15 PROPOSED SPOT ELEVATION
 - (0.3%±) EXISTING SLOPE
 - 1.5% PROPOSED SLOPE
 - TYPE "A" INLET
 - SD STORM DRAIN PIPE

- CONSTRUCTION NOTES:**
- FOR DRAINAGE IMPROVEMENTS, SEE STORM DRAIN PLANS ON SHEETS SD-1 TO SD-4.
 - ALL UTILITY COVERS AND PULL BOXES, WITHIN IMPROVEMENTS SHALL BE ADJUSTED TO FINAL GRADE, UNLESS OTHERWISE NOTED.
 - SEE CURB, GUTTER & SIDEWALK REPAIRS PER CITY STD DETAIL NO. ST 6.
 - SEE LEGEND & NOTES FOR SIDEWALKS, DRIVEWAYS AND CURB & GUTTER PER CITY STD DETAIL NO. ST 8.
 - SEE DETECTABLE WARNING SURFACE ORIENTATION AT CURB RETURN PER DETAIL 4 ON SHEET CD-1.

MATCH LINE, SEE SHEET SD-7



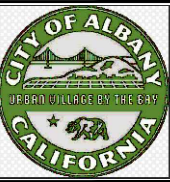
811 Know what's below. Call before you dig. 04/15/2022



Submittal / Revision:	

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:
D-9
17 of 27



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



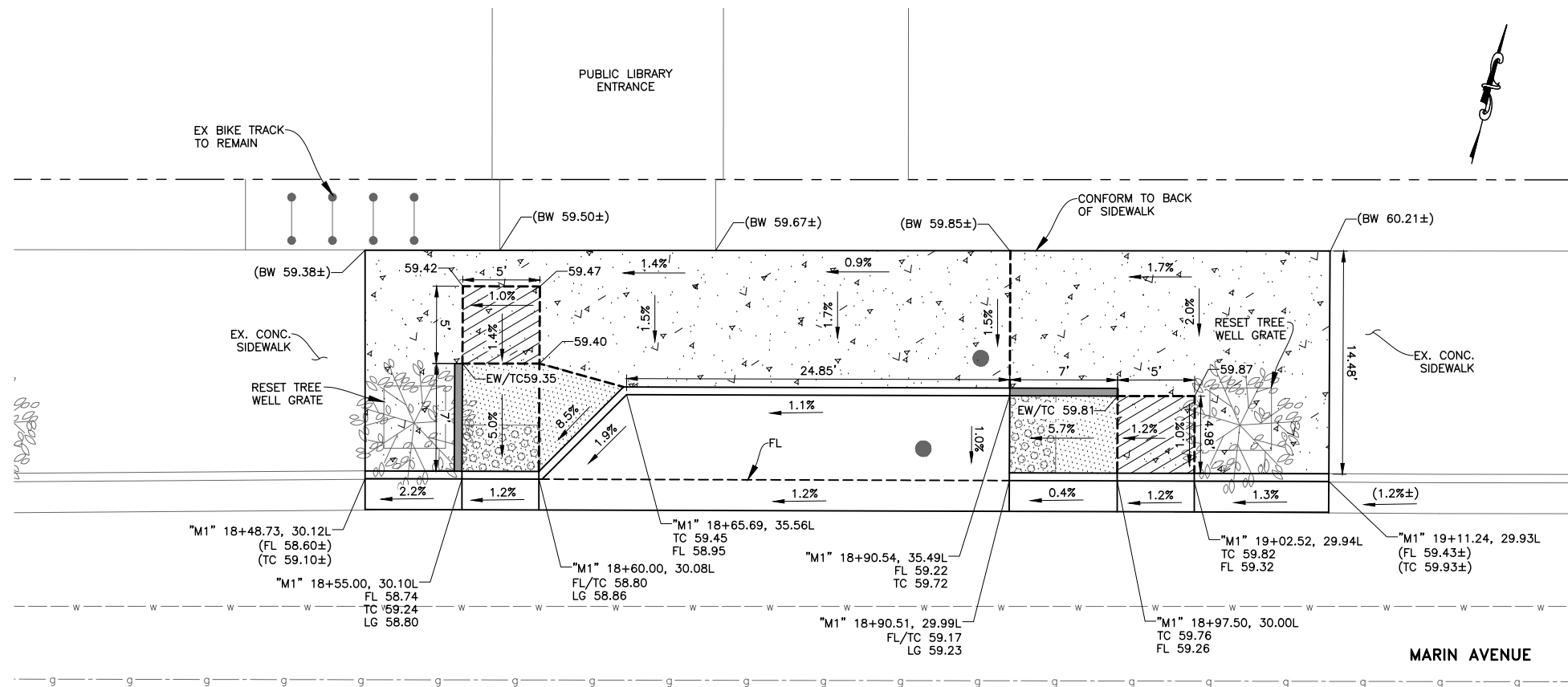
PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
CURB RAMP GRADING PLAN

LEGEND:

- PCC CURB & GUTTER
- PCC SIDEWALK
- PCC CURB RAMP
- DETECTABLE WARNING SURFACE
- GREEN INFRASTRUCTURE
- PCC RETAINING CURB
- PLANTER AREA (MULCH)
- REMOVE AND REPLACE 4" HMA
- FLAT SIDEWALK OR LANDING AREA, SLOPES SHALL BE 1.5% MAX AT ALL DIRECTIONS
- COBBLE STONE
- CITY RIGHT OF WAY
- GRADE BREAK
- (FL 100.15±) EXISTING SPOT ELEVATION, CONFORM UNLESS OTHERWISE NOTED.
- FL 100.15 PROPOSED SPOT ELEVATION
- (0.3%±) EXISTING SLOPE
- 1.5% PROPOSED SLOPE
- TYPE "A" INLET
- SD STORM DRAIN PIPE

CONSTRUCTION NOTES:

1. FOR DRAINAGE IMPROVEMENTS, SEE STORM DRAIN PLANS ON SHEETS SD-1 TO SD-4.
2. ALL UTILITY COVERS AND PULL BOXES, WITHIN IMPROVEMENTS SHALL BE ADJUSTED TO FINAL GRADE, UNLESS OTHERWISE NOTED.
3. SEE CURB, GUTTER & SIDEWALK REPAIRS PER CITY STD DETAIL NO. ST 6.
4. SEE LEGEND & NOTES FOR SIDEWALKS, DRIVEWAYS AND CURB & GUTTER PER CITY STD DETAIL NO. ST 8.
5. SEE DETECTABLE WARNING SURFACE ORIENTATION AT CURB RETURN PER DETAIL 4 ON SHEET CD-1.



ACCESSIBLE PARKING DETAIL

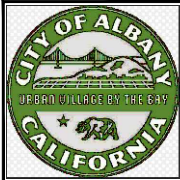
MARIN AVENUE

Submittal / Revision:	

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:
D-10
18 of 27





City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543

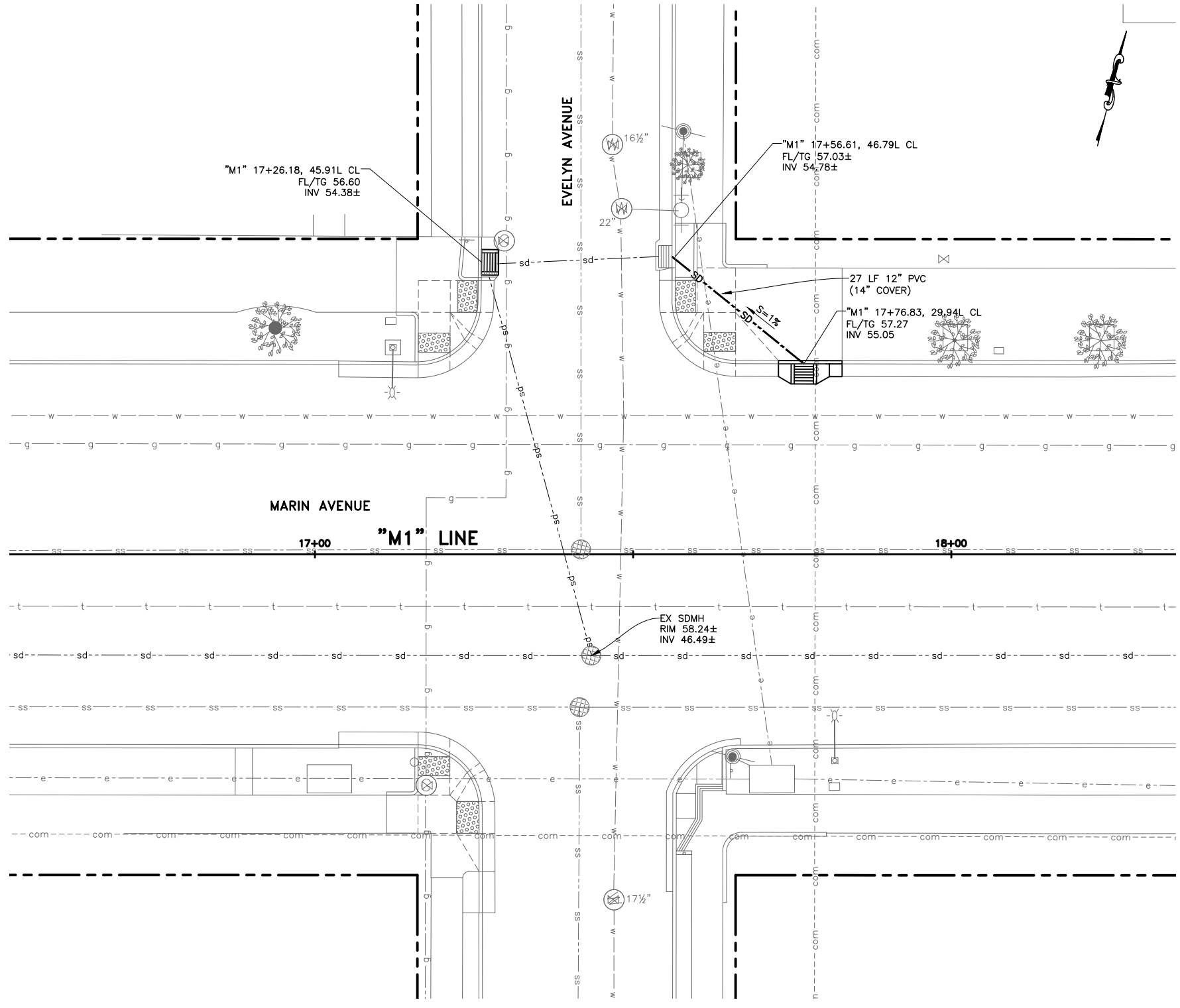


LEGEND:

- SD— Storm Drain Pipe (PVC OR RCP)
- Abandon Existing Storm Drain Pipe
- ✕✕✕ Remove Existing Storm Rain Pipe
- ⊕ Existing Inlet
- ⊕ Existing Manhole
- ⊕ Proposed Type "A" Inlet
- ⊕ Proposed Storm Drain Manhole
- ▨ Bio-Retention
- ⊕ Overflow Inlet
- Cleanout
- ⊕ Energy Dissipator
- - - Perforate Pipe

CONSTRUCTION NOTES:

1. REMOVE AND REPLACE STORM DRAIN MANHOLE OR DRAINAGE STRUCTURE WITH PRECAST MANHOLE, TYPE I BASE, FRAME & COVER PER CITY STD DETAIL NO. SD 7.
2. SEE NEW PIPE TO EXISTING MANHOLE CONNECTION PER CITY STD DETAIL NO. SS 5.
3. SEE TYPICAL TRENCH SECTION DETAIL FOR PIPE INSTALLATION PER CITY STD DETAIL NO. SS 7.
4. POTHOLE TO VERIFY THE DEPTH OF EXISTING UTILITIES PRIOR TO START OF WORK.
5. ALL EXISTING DRAINAGE PIPE ALIGNMENT AND INVERT ELEVATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXISTING STORM DRAIN PIPE ALIGNMENT, MATERIAL SIZE, INVERT ELEVATIONS OF INLET AND MANHOLE PRIOR TO START OF CONSTRUCTION.



MARIN AVENUE & EVELYN AVENUE INTERSECTION

SCALE: 1"=10'

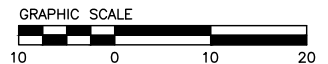
**PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
STORM DRAIN IMPROVEMENT PLAN
MARIN AVE & EVELYN AVE INTERSECTION**

Submittal / Revision:	

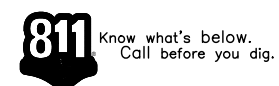
Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

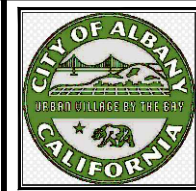
Sheet Number:

SD-2
20 of 27



Title: 4/15/2022 10:58:11 AM; User: ds/ha; Project: 2022-04-15-10:58:11 AM; File: 2022-04-15-10:58:11 AM; Path: \\server\shared\csm\projects\2022-04-15-10:58:11 AM\2022-04-15-10:58:11 AM\2022-04-15-10:58:11 AM\2022-04-15-10:58:11 AM.dwg; Plot Date: Apr 15, 2022 at 10:58:11 AM; Plot Path: \\server\shared\csm\projects\2022-04-15-10:58:11 AM\2022-04-15-10:58:11 AM\2022-04-15-10:58:11 AM\2022-04-15-10:58:11 AM.dwg





City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



**PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
STORM DRAIN IMPROVEMENT PLAN
MARIN AVE & MASONIC AVE INTERSECTION**

Submission / Revision:

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

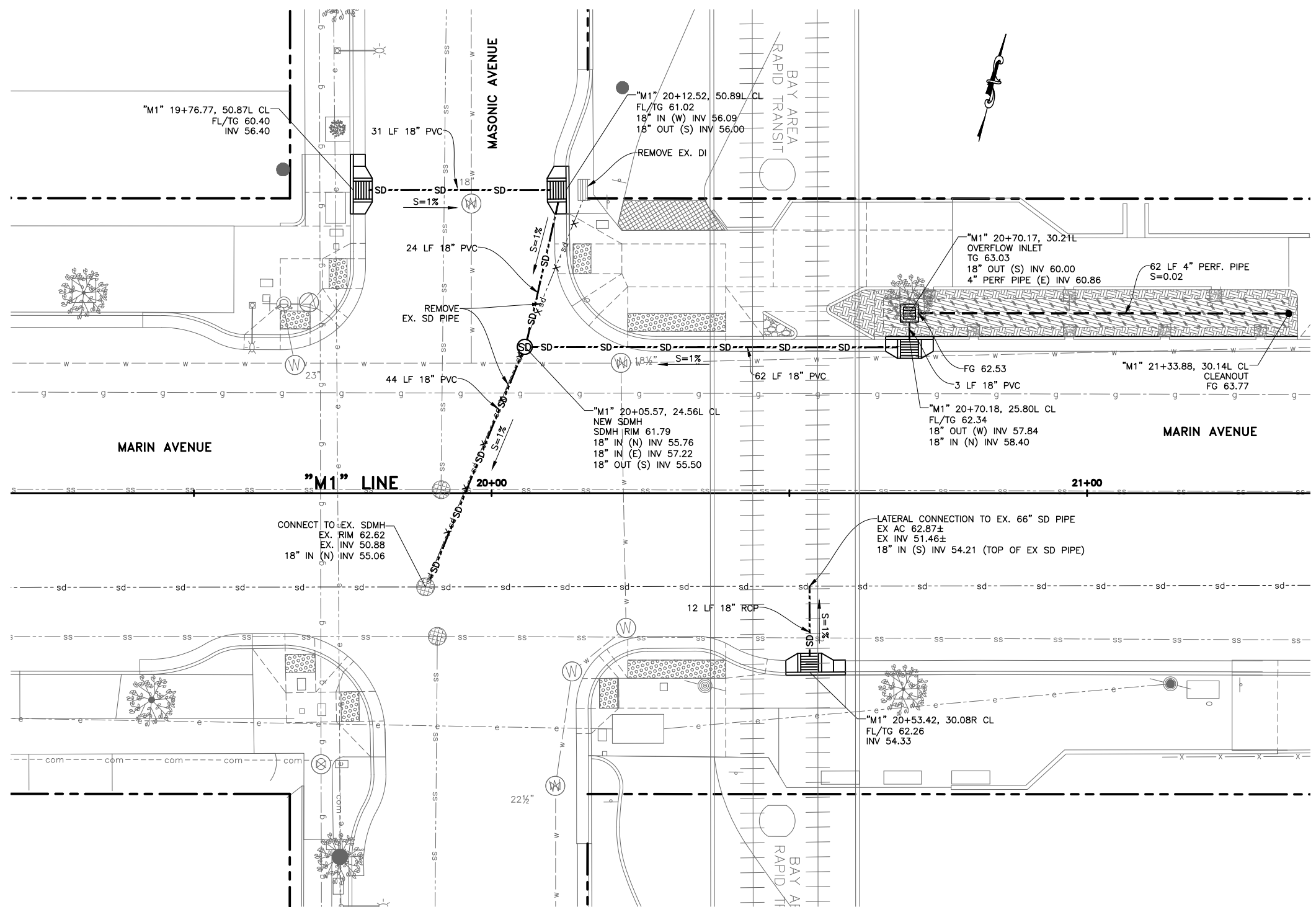
Sheet Number:
SD-3
21 of 27

LEGEND:

- STORM DRAIN PIPE (PVC OR RCP)
- ABANDON EXISTING STORM DRAIN PIPE
- REMOVE EXISTING STORM RAIN PIPE
- EXISTING INLET
- EXISTING MANHOLE
- PROPOSED TYPE "A" INLET
- PROPOSED STORM DRAIN MANHOLE
- BIO-RETENTION
- OVERFLOW INLET
- CLEANOUT
- ENERGY DISSIPATOR
- PERFORATE PIPE

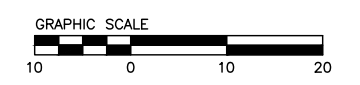
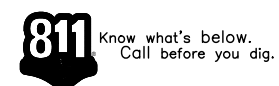
CONSTRUCTION NOTES:

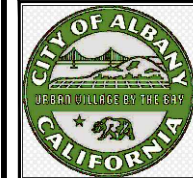
- REMOVE AND REPLACE STORM DRAIN MANHOLE OR DRAINAGE STRUCTURE WITH PRECAST MANHOLE, TYPE I BASE, FRAME & COVER PER CITY STD DETAIL NO. SD 7.
- SEE NEW PIPE TO EXISTING MANHOLE CONNECTION PER CITY STD DETAIL NO. SS 5.
- SEE TYPICAL TRENCH SECTION DETAIL FOR PIPE INSTALLATION PER CITY STD DETAIL NO. SS 7.
- POTHOLE TO VERIFY THE DEPTH OF EXISTING UTILITIES PRIOR TO START OF WORK.
- ALL EXISTING DRAINAGE PIPE ALIGNMENT AND INVERT ELEVATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXISTING STORM DRAIN PIPE ALIGNMENT, MATERIAL SIZE, INVERT ELEVATIONS OF INLET AND MANHOLE PRIOR TO START OF CONSTRUCTION.



MARIN AVENUE & MASONIC AVENUE INTERSECTION
SCALE: 1"=10'

811 Know what's below. Call before you dig. File: \\SRV02\shared\csm\GIS\GIS\Projects\811\811_Plan\811_Plan_SDRM\Drawn\Drawn_Plan_SDRM.rvt Date: Apr 15, 2022 at 10:30





City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
STORM DRAIN IMPROVEMENT PLAN
MARIN AVE & KEY ROUTE BLVD INTERSECTION

Submission / Revision:

Designed By: DS/HA
 Drawn By: DS/HA
 Checked By: LL
 Date: 04/15/2022

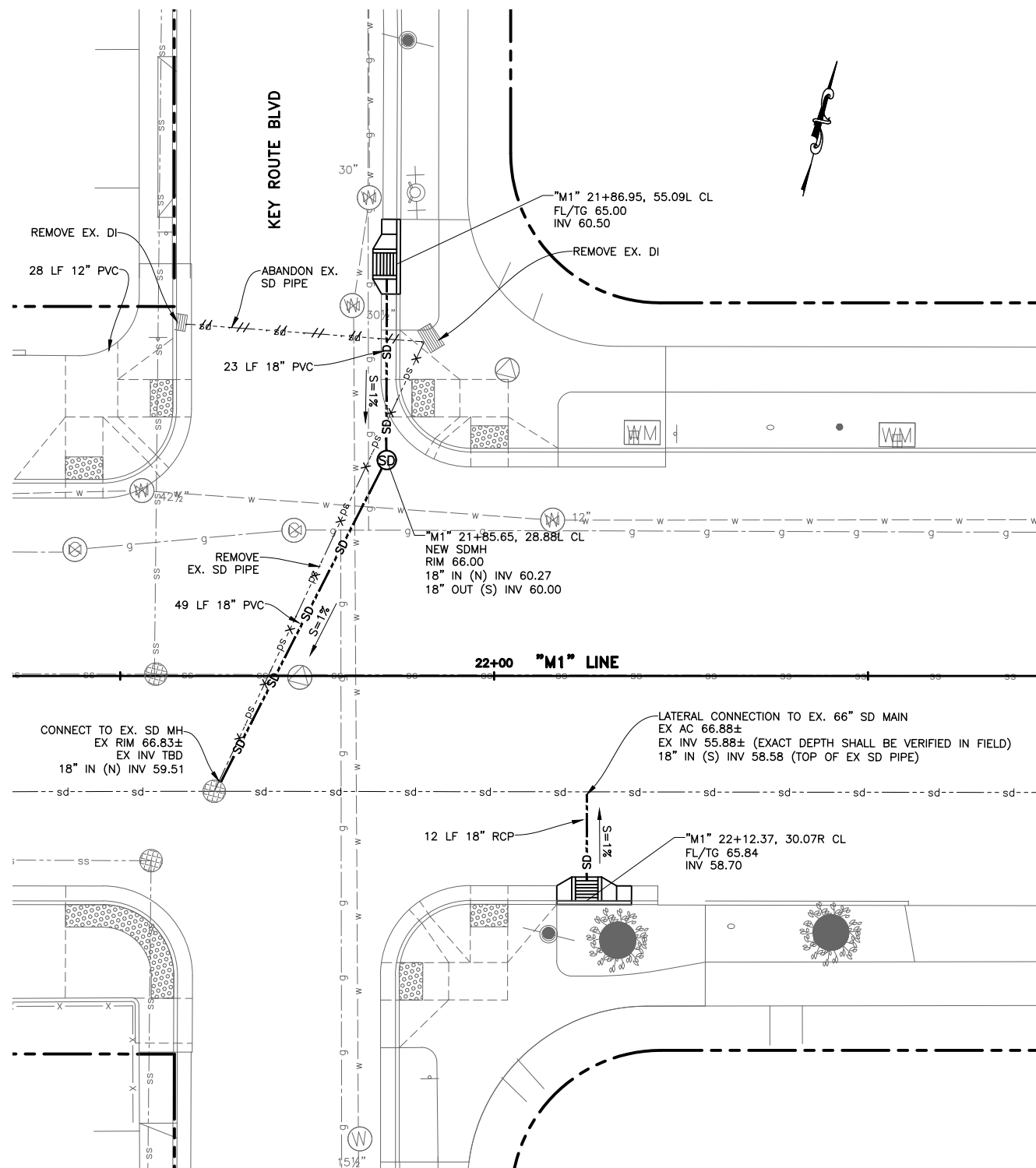
Sheet Number:
SD-4
 22 of 27

LEGEND:

- SD --- STORM DRAIN PIPE (PVC OR RCP)
- //---//--- ABANDON EXISTING STORM DRAIN PIPE
- X---X--- REMOVE EXISTING STORM RAIN PIPE
- ⊗ EXISTING INLET
- ⊗ EXISTING MANHOLE
- ⊗ PROPOSED TYPE "A" INLET
- ⊗ PROPOSED STORM DRAIN MANHOLE
- ⊗ BIO-RETENTION
- ⊗ OVERFLOW INLET
- CLEANOUT
- ⊗ ENERGY DISSIPATOR
- --- PERFORATE PIPE

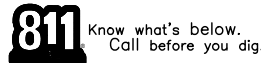
CONSTRUCTION NOTES:

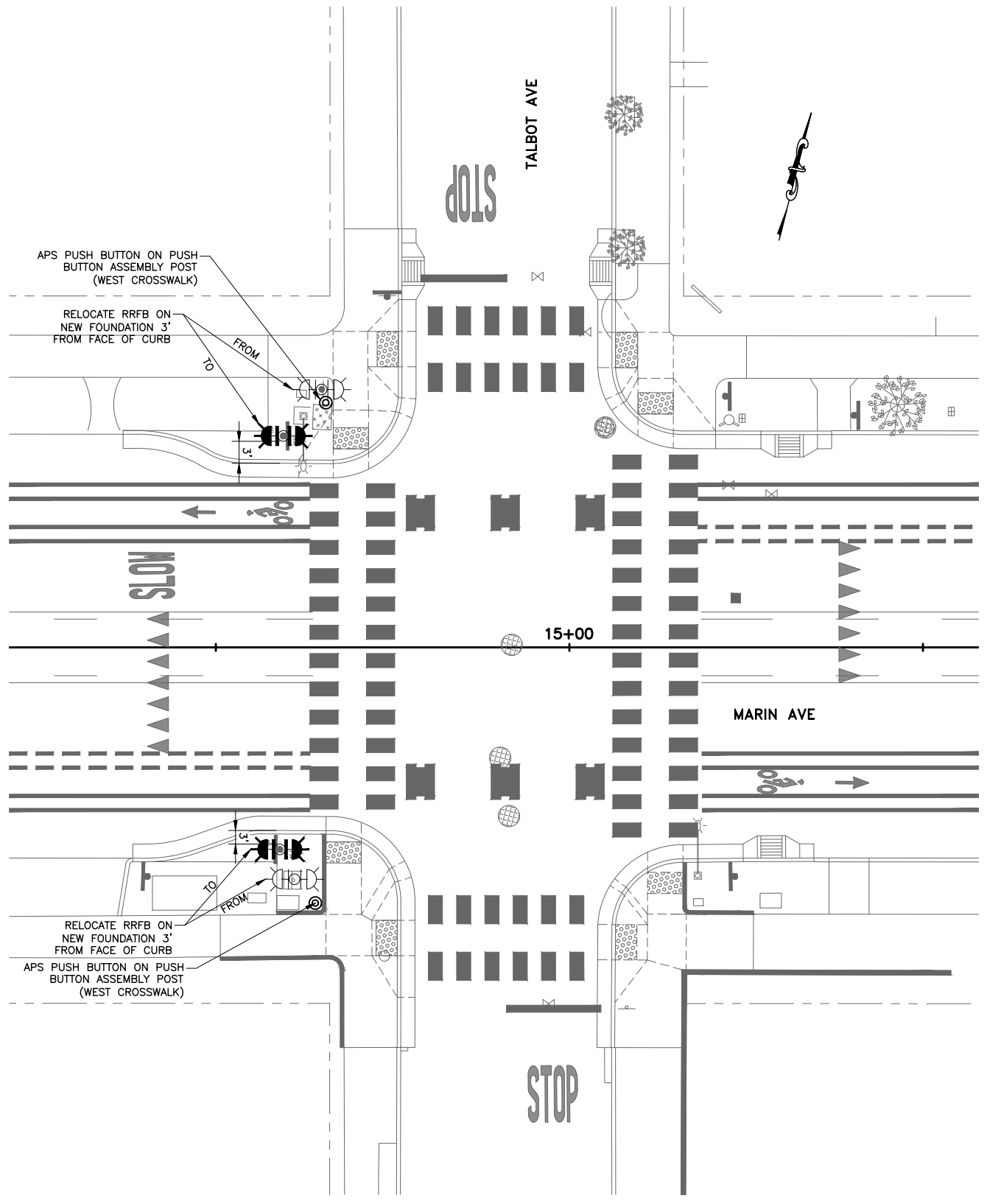
1. REMOVE AND REPLACE STORM DRAIN MANHOLE OR DRAINAGE STRUCTURE WITH PRECAST MANHOLE, TYPE I BASE, FRAME & COVER PER CITY STD DETAIL NO. SD 7.
2. SEE NEW PIPE TO EXISTING MANHOLE CONNECTION PER CITY STD DETAIL NO. SS 5.
3. SEE TYPICAL TRENCH SECTION DETAIL FOR PIPE INSTALLATION PER CITY STD DETAIL NO. SS 7.
4. POTHOLE TO VERIFY THE DEPTH OF EXISTING UTILITIES PRIOR TO START OF WORK.
5. ALL EXISTING DRAINAGE PIPE ALIGNMENT AND INVERT ELEVATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXISTING STORM DRAIN PIPE ALIGNMENT, MATERIAL SIZE, INVERT ELEVATIONS OF INLET AND MANHOLE PRIOR TO START OF CONSTRUCTION.



MARIN AVENUE & KEY ROUTE BLVD INTERSECTION
 SCALE: 1"=10'

Title: 4/15/2022 10:00 AM C:\Users\james\OneDrive\Documents\Projects\1100000000\1100000000.dwg
 Plot: 4/15/2022 10:00 AM C:\Users\james\OneDrive\Documents\Projects\1100000000\1100000000.dwg
 Plot Date: Apr 15, 2022 at 10:11








MARIN AVE AND TALBOT AVE INTERSECTION

SCALE: 1" = 20'

LEGEND:

-  EXISTING RRFB
-  RELOCATED RRFB
-  PUSH BUTTON ASSEMBLY POST

CONSTRUCTION NOTES:

- 1) POTHOLE IS REQUIRED TO VERIFY EXISTING UTILITY CONFLICT PRIOR TO CONSTRUCTION. FINAL LOCATION OF POLE FOUNDATION SHALL BE APPROVED BY THE ENGINEER.
- 2) POLE FOUNDATION SHALL MATCH EXISTING OR AS APPROVED BY THE ENGINEER.
- 3) 36" MIN CLEARANCE SHALL BE MAINTAINED BETWEEN THE FACE OF CURB TO THE FACE OF POLE.
- 4) ORIENT SOLAR PANEL TOWARDS SOUTHERN SKY FOR MAXIMUM SOLAR EXPOSURE.
- 5) TRIM TREE BRANCHES TO PROVIDE CLEAR LINE OF SIGHT FOR 150' MIN, AND/OR PER ENGINEER DIRECTION.
- 6) PUSH BUTTON SHALL BE LOCATED ADJACENT TO TOP OF CURB RAMP WITH 4' X 4' MIN CONCRETE LANDING, WHERE SLOPES NOT TO EXCEED 1.5% AT ALL DIRECTIONS.



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



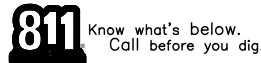
PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
RELOCATING RRFB ASSEMBLY

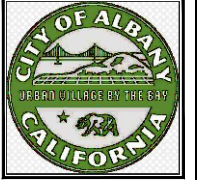
Submittal / Revision:

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:
ES-1
23 of 27

P:\Info\2022\04-15-2022\04-15-2022\04-15-2022.dwg - User: ds@csge.com - Date: 04/15/2022 - Time: 10:00:00 - Scale: 1"=20' - Plot Date: 04/15/2022 - Plot Time: 10:00:00 - Plot Sheet: 1 of 27 - Plot Size: 11x17 - Plot Unit: Feet - Plot Scale: 1/2"=1' - Plot Orientation: Portrait - Plot Color: Black - Plot Line Weight: 0.25 - Plot Pen Color: Black - Plot Pen Width: 0.25 - Plot Font: Arial, 10 - Plot Font Color: Black - Plot Font Size: 10 - Plot Font Weight: Normal - Plot Font Style: Normal - Plot Font Orientation: Horizontal - Plot Font Color: Black - Plot Font Size: 10 - Plot Font Weight: Normal - Plot Font Style: Normal - Plot Font Orientation: Horizontal





City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



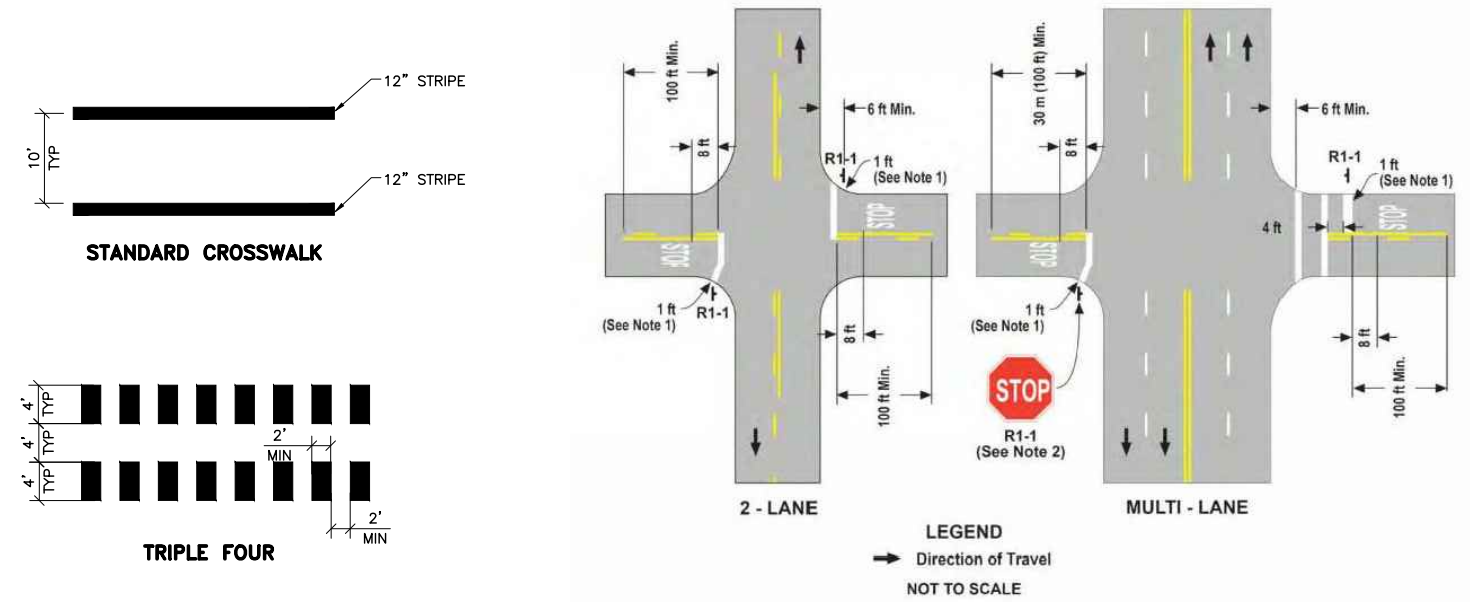
PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
CONSTRUCTION DETAILS

Submission / Revision:	

Designed By: DS/HA
 Drawn By: DS/HA
 Checked By: LL
 Date: 04/15/2022

Sheet Number:
CD-1
 24 of 27

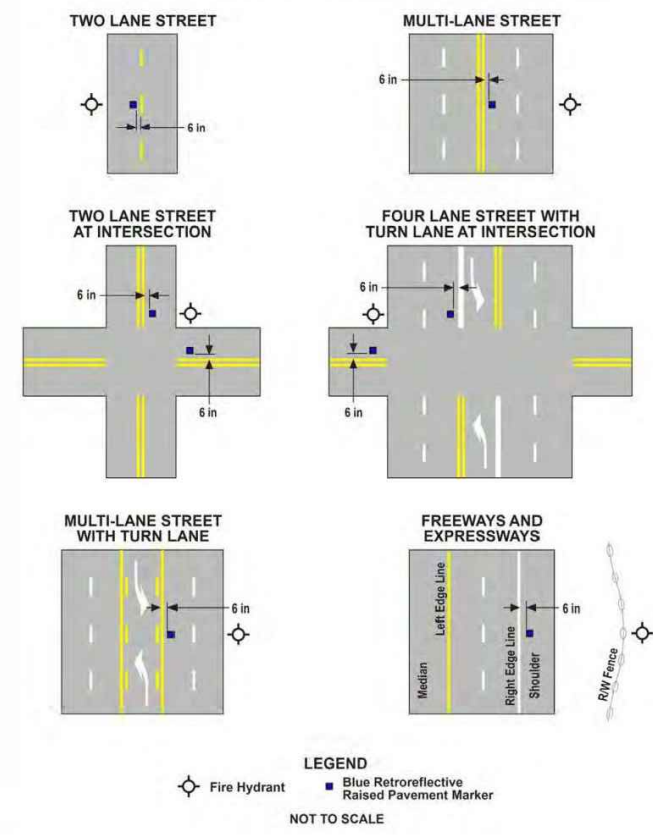
Figure 3B-103 (CA). Examples of Intersection Markings



1 TYPICAL CROSSWALK MARKINGS
 NO SCALE

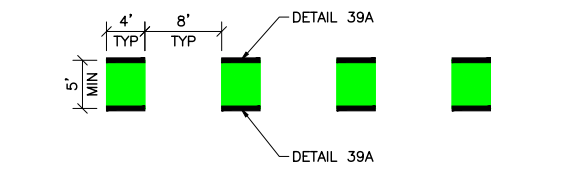
2 TYPICAL INTERSECTION MARKINGS
 NO SCALE

Figure 3B-102 (CA). Examples of Fire Hydrant Location Pavement Markers

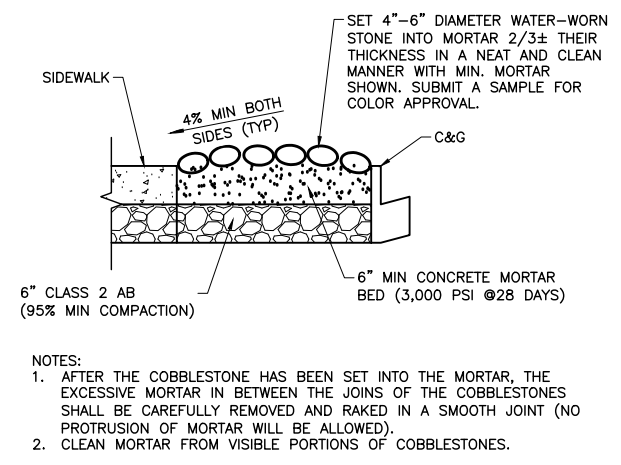
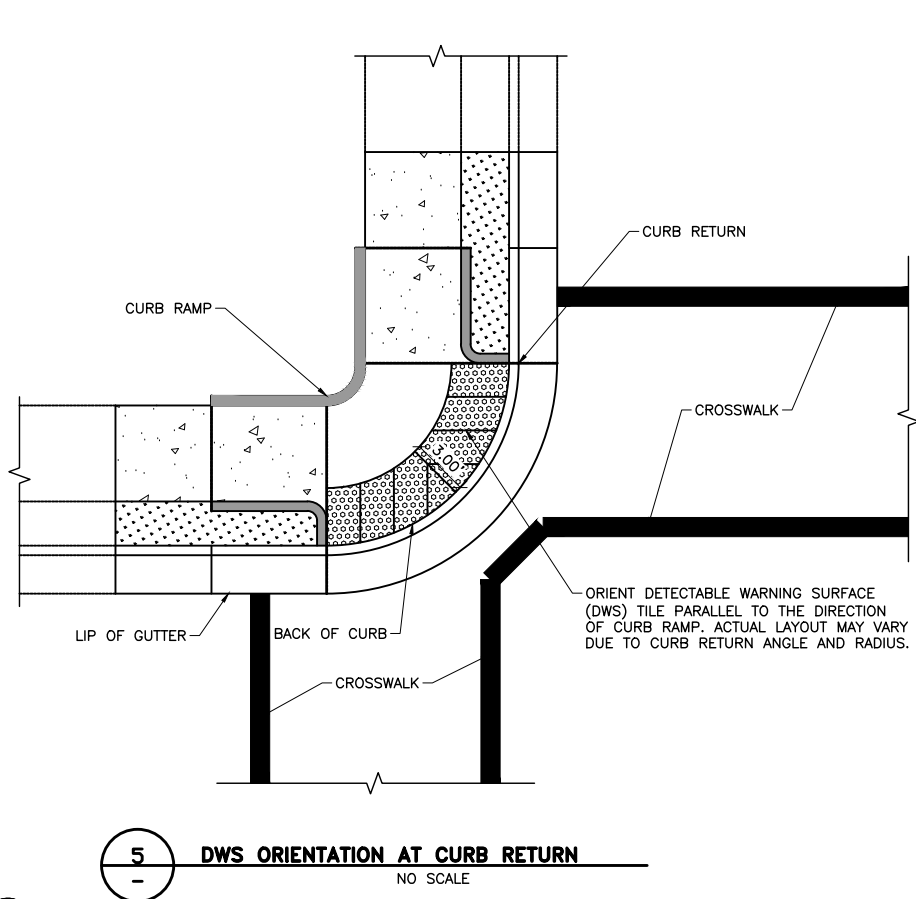


3 TYPICAL FH MARKER LOCATION
 NO SCALE

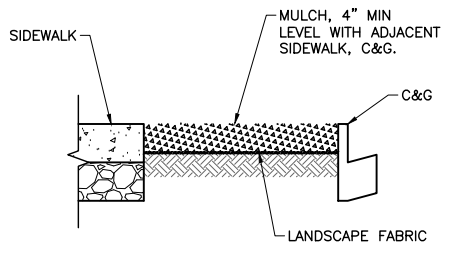
4 CROSSWALK MILLING AND GRADING DETAIL
 NO SCALE



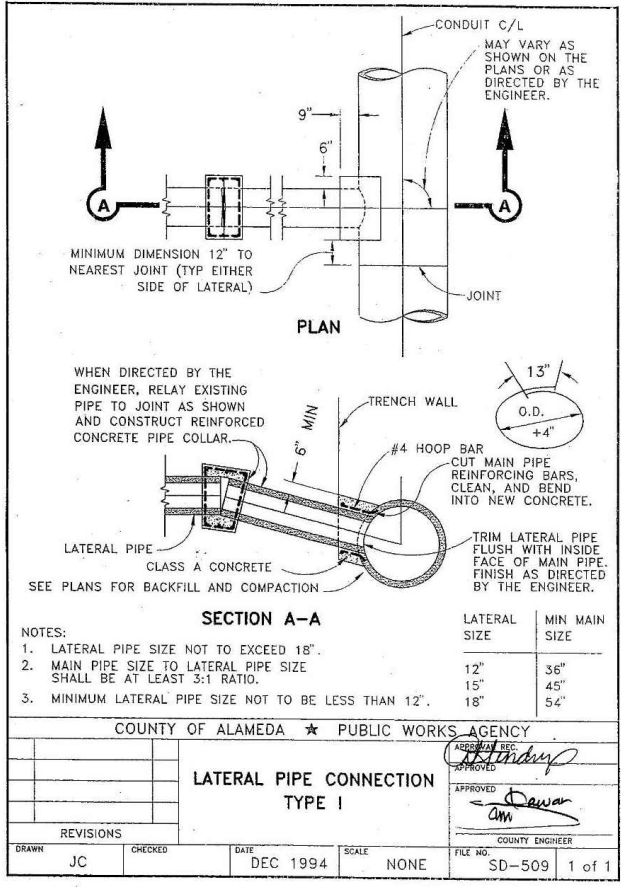
6 GREEN BIKE LANE DETAIL
 NO SCALE



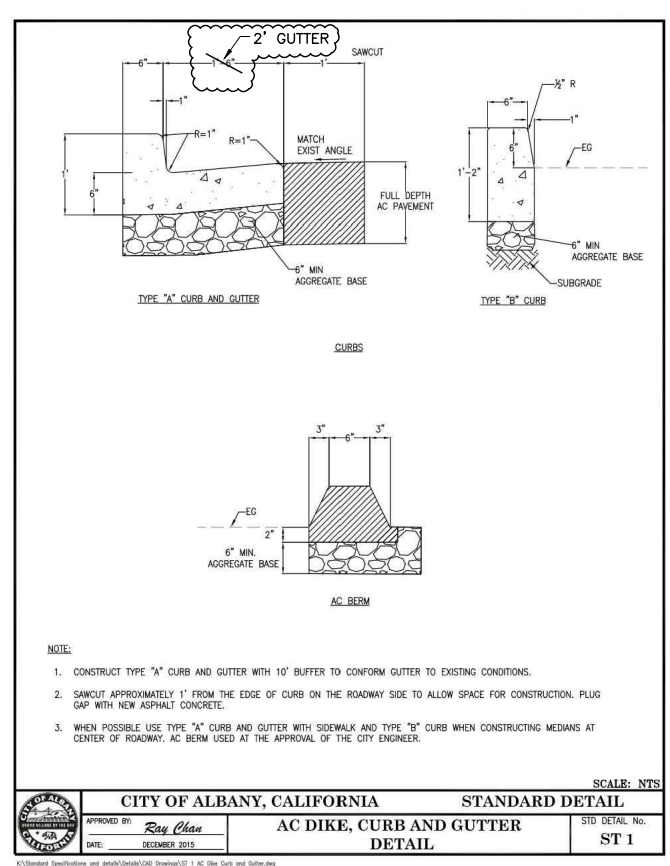
7 COBBLESTONE DETAIL
 NO SCALE



8 MULCH DETAIL
 NO SCALE



9 LATERAL PIPE CONNECTION DETAIL
 NO SCALE



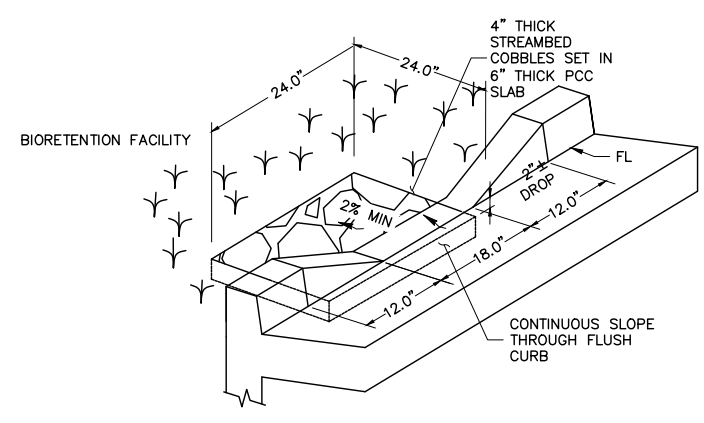
10 MODIFIED CURB & GUTTER
 NO SCALE

811 Know what's below. Call before you dig.

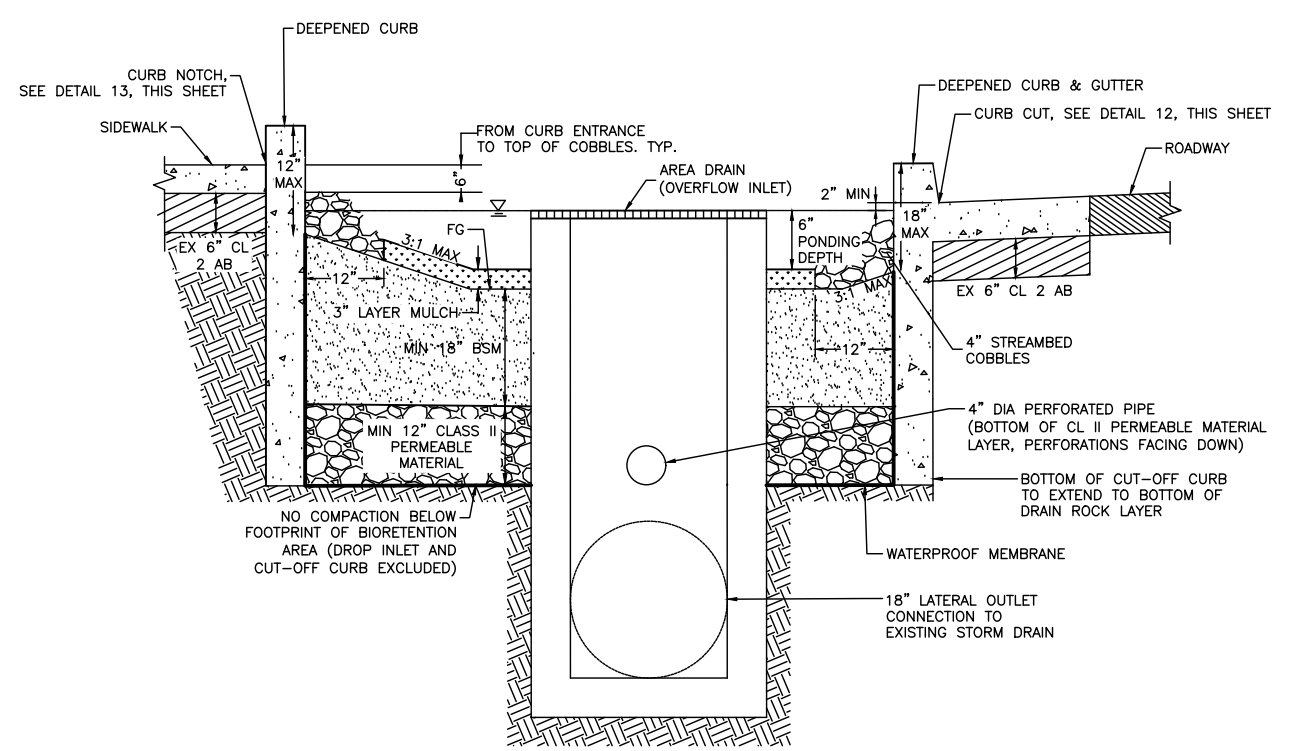
Submission / Revision:

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:
CD-2
25 of 27

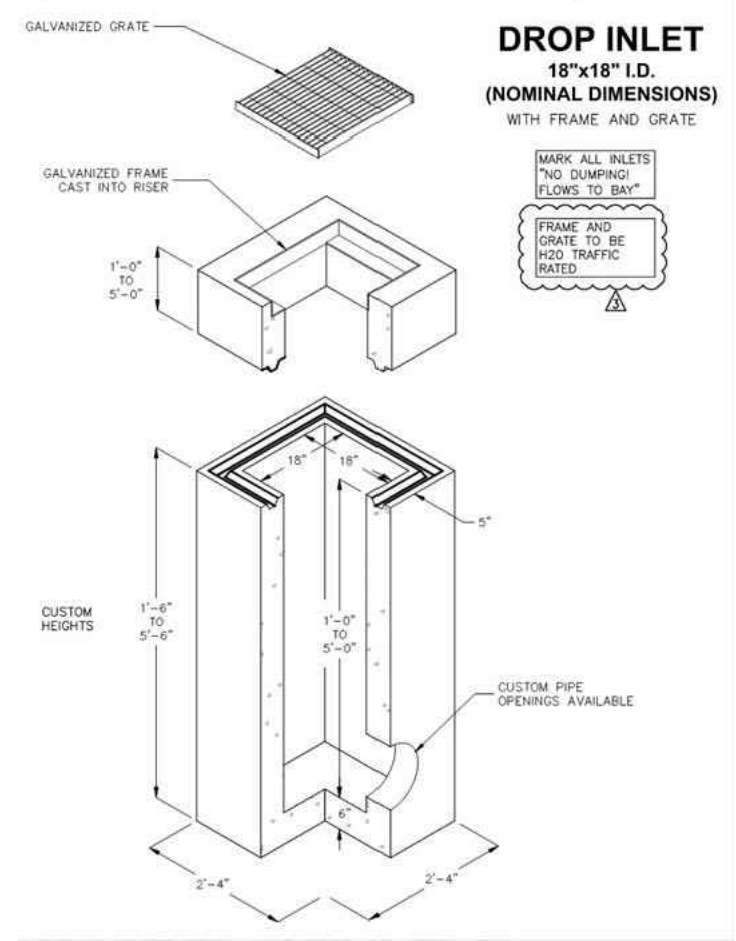


12 BIORETENTION BASIN CURB OPENING AND ENERGY DISSIPATOR
NO SCALE

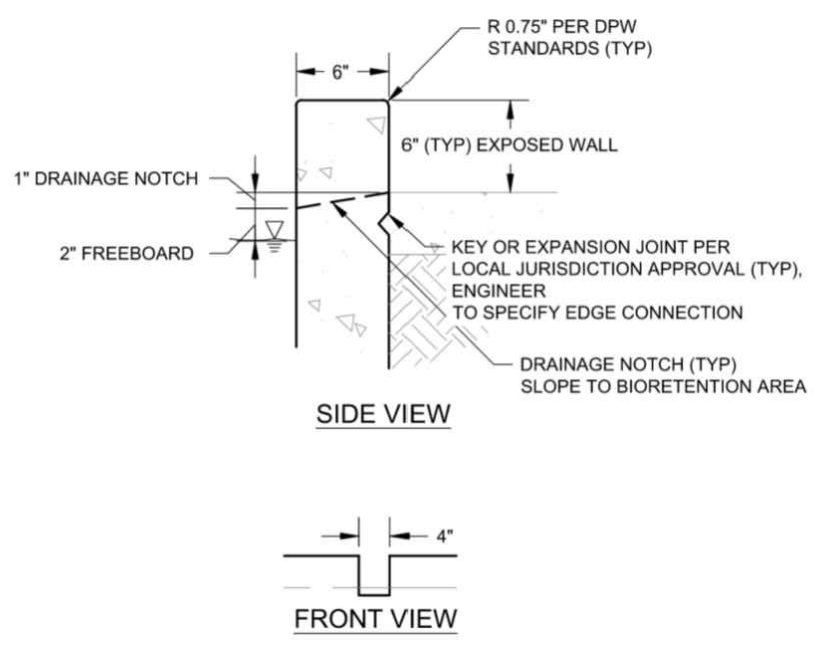


11 BIORETENTION AREA
NO SCALE

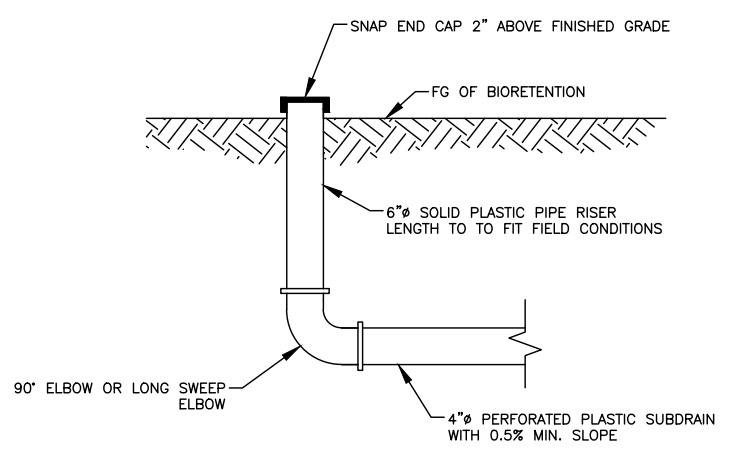
INSTALL TRASH CAPTURE DEVICE IN INLETS.
SEE TRASH CAPTURE DEVICES APPROVED BY THE SF REGIONAL WATER BOARD ([HTTPS://WWW.SFESTUARY.ORG/APPROVED-TRASH-CAPTURE-DEVICES/](https://www.sfestuary.org/approved-trash-capture-devices/)) OR THE CERTIFIED LIST FROM THE STATE WATER BOARD ([HTTPS://WWW.WATERBOARDS.CA.GOV/WATER_ISSUES/PROGRAMS/STORMWATER/DOCS/TRASH_IMPLEMENTATION/CERTIFIED_FCDEVICECLIST_16FEB2021.PDF](https://www.waterboards.ca.gov/water_issues/programs/stormwater/docs/trash_implementation/certified_fcdeviceclist_16feb2021.pdf))



15 DROP INLET
NO SCALE



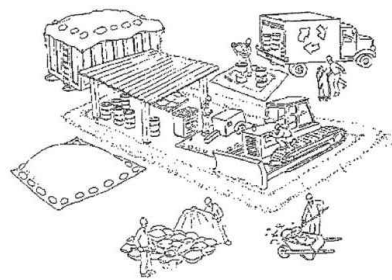
13 CURB DRAINAGE NOTCH
NO SCALE



14 CLEANOUT
NO SCALE

811 Know what's below. Call before you dig. 811-424-4242

Pollution Prevention - It's Part of the Plan



Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution and damage to creeks and the San Francisco Bay. Construction activities can directly affect the health of creeks and the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines and the project specifications will ensure your compliance with County of Alameda requirements.

Materials storage & spill cleanup

Non-hazardous materials management

- Sand, dirt, and similar materials must be stored at least 10 feet (3 meters) from catch basins. All construction material must be covered with a tarp and contained with a perimeter control during wet weather or when rain is forecasted or when not actively being used within 14 days.
- Use (but don't overuse) reclaimed water for dust control as needed.
- Sweep or vacuum streets and other paved areas daily. Do not wash down streets or work areas with water!
- Recycle all asphalt, concrete, and aggregate base material from demolition activities. Comply with Alameda County Ordinances for recycling construction materials, wood, gyp board, pipe, etc.
- Check dumpsters regularly for leaks and to make sure they are not overfilled. Repair or replace leaking dumpsters promptly.
- Cover all dumpsters with a tarp at the end of every work day or during wet weather.

Hazardous materials management

- Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state, and federal regulations.
- Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecasted.
- Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecasted within 24 hours.
- Be sure to arrange for appropriate disposal of all hazardous wastes.

Spill prevention and control

- Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek!
- Dispose of all containment and cleanup materials properly.
- Report any hazardous materials spills immediately! Dial 911 or Alameda County Public Works Agency dispatch at (510) 670-5500

Construction Entrances and Perimeter

- Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking.

Vehicle and equipment maintenance & cleaning

- Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- If you must clean vehicles or equipment on site, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or creeks.
- Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.



Earthwork & contaminated soils

- Keep excavated soil on the site where it will not collect in the street.
- Transfer to dump trucks should take place on the site, not in the street.
- Use fiber rolls, silt fences, or other control measures to minimize the flow of silt off the site.
- Earth moving activities are only allowed during dry weather by permit and as approved by the County Inspector in the Field.
- Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place fiber rolls down-slope until soil is secure.
- If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call the Engineer for help in determining what should be done, and manage disposal of contaminated soil according to their instructions.



Dewatering operations

- Effectively manage all run-on, all runoff within the site, and all runoff that discharges from the site. Run-on from off site shall be directed away from all disturbed areas or shall collectively be in compliance.
- Reuse water for dust control, irrigation, or another on-site purpose to the greatest extent possible.
- Be sure to notify and obtain approval from the Engineer before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the Engineer to determine what testing is required and how to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.

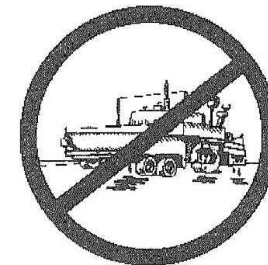


Saw cutting

- Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or sand/gravel bags to keep slurry out of the storm drain system.
- Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- If saw cut slurry enters a catch basin, clean it up immediately.

Paving/asphalt work

- Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- Protect gutters, ditches, and drainage courses with sand/gravel bags, or earthen berms.
- Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash.
- Do not use water to wash down fresh asphalt concrete pavement.



Concrete, grout, and mortar storage & waste disposal

- Store concrete, grout, and mortar under cover, on pallets, and away from drainage areas. These materials must never reach a storm drain.
- Wash out concrete equipment/trucks off-site or into contained washout areas that will not allow discharge of wash water onto the underlying soil or onto the surrounding areas.
- Collect the wash water from washing exposed aggregate concrete and remove it for appropriate disposal off site.



Painting

- Never rinse paint brushes or materials in a gutter or street!
- Paint out excess water-based paint before rinsing brushes, rollers, or containers in a sink.
- Paint out excess oil-based paint before cleaning brushes in thinner.
- Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste.

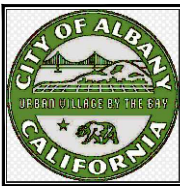


Landscape Materials

- Contain, cover, and store on pallets all stockpiled landscape materials (mulch, compost, fertilizers, etc.) during wet weather or when rain is forecasted or when not actively being used within 14 days.
- Discontinue the application of any erodible landscape material within 2 days of forecasted rain and during wet weather.

Storm drain polluters may be liable for fines of \$10,000 or more per day!

For references and more detailed information:
www.cleanwaterprogram.org
www.cabmphandbooks.com



City of Albany
 Maintenance Center
 540 Cleveland Avenue
 Albany, CA 94706
 (510) 524-9543



PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
POLLUTION PREVENTION PLAN

Submittal / Revision:	
1	
2	
3	
4	
5	
6	

Designed By: DS/HA
 Drawn By: DS/HA
 Checked By: LL
 Date: 04/15/2022

Sheet Number:
PP-1
 26 of 27

STRIPINGS AND MARKINGS

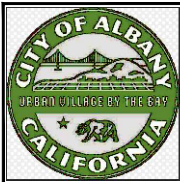
Traffic Stripes			
Item Description	Unit		Item Total
Detail 22	LF		178
Detail 27B	LF		2,213
Detail 29	LF		44
Detail 32	LF		426
Detail 38	LF		94
Detail 39	LF		1,453
Detail 39A	LF		1,265
4" Blue Line	LF		29
4" White Diagonal	LF		29
Traffic Stripes Total	LF		5,731

Pavement Markings				
Item Description	Unit	Unit Area	Qty	Item Total
Yellow Crosswalk (Triple 4)	SF	8	76	608
White Crosswalk (Triple 4)	SF	8	238	1,904
"Stop" Legend	SF	22	6	132
"Slow" Legend - Yellow	SF	23	3	69
"School" Legend - Yellow	SF	35	3	105
"Xing" Legend - Yellow	SF	21	3	63
Type IV Arrow	SF	15	15	225
Bike Lane Arrow	SF	4	10	35
Bike Lane with Person	SF	7	15	105
Green Bike Lane	SF	20	66	1,320
Limit Line	SF	1	181	181
Yield Line	SF	3	56	168
"No Parking" Legend- White	SF	2	1	2
Pavement Markings Total	SF			4,917

Painted Curbs			
Item Description	Unit		Item Total
Painted Red Curb	LF		719
Painted Blue Curb	LF		25
Painted Yellow Curb	LF		6
Painted White Curb	LF		13
Painted Curbs Total	LF		763

CONCRETE IMPROVEMENT

Curb Return (CR) No.	Intersection	Curb Return Corner	Ramp (EA)	Ramp Area (SF)	DWS (SF)	Sidewalk (SF)	C&G (LF)	Retaining Curb (LF)	4" Mulch (SF)	Cobblestone (SF)	Concrete Demolition (SF)	4" HMA (SF)	Bio-Retention (SF)
CR1	Marin Ave & Tablot Ave	NW	2	104	30	230	62		76		565		
CR2		NE	2	88	30	174	39		105		465		
CR3		SW	2	116	30	225	68	48	108		643		
CR4		SE	2	89	30	219	44	17			427		
CR5		NW	2	73	30	115	43	22	15		322		
CR6	Marin Ave & Evelyn Ave	NE	2	91	30	292	30	35	34		510		
CR7		SW	2	80	30	110	48	12	17		333		
CR8		NW	2	83	30	353	55	15			581		
CR9	Marin Ave & Masonic Ave	NE	2	265	65	824	88	57		12	1,350	80	
CR10		SW	2	115	30	260	76		72		637		
CR11		SE	2	120	65	454	66				739		
CR12		NW	2	175	30	240	46				530		
CR13	Marin Ave & Key Route Blvd	NE	2	118	30	403	56		183		844		
CR14		SW	1	323	60	97	52	26	0		563		
CR15		SE	2	160	30	434	59	0	256		998		
Accessible Parking	Marin Ave/Public Library	MID-BLOCK	2	89	30	601	63	14			855		
Bio-Retention	Between Masonic Ave and Key Route Blvd	North Side									591		591
Total			31	2,089	580	5,031	895	246	866	12	10,950	80	591



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
QUANTITY SHEET

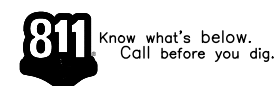
Submittal / Revision:

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:
QTY-1
27 of 27

ALL QUANTITIES SHOWN ARE FOR REFERENCE ONLY. EXACT QUANTITIES SHALL BE APPROVED BY THE ENGINEER.

Title: 4/15/2022 4:42:40 PM C:\Users\jgarcia\OneDrive\Documents\Projects\2022\04-15-2022\04-15-2022.dwg Plot Date: Apr 15, 2022 at 16:12





Extra Work Equipment Rates PRIVATE (Bare) w/OH&P

Valid Through 12/31/2022

Revision Date: March 8, 2022

Description	Units	Rate
----- AIR COMPRESSORS -----		
Compressor 185 CFM	HR	\$ 28.00
Compressor 400 CFM	HR	\$ 41.00
----- BLADES -----		
Cat 140H/150 Blade	HR	\$ 223.00
JD 872G Blade	HR	\$ 271.00
----- BACKHOES -----		
Cat 420 BH	HR	\$ 81.00
Cat 430 BH	HR	\$ 110.00
Breaker For BH	HR	\$ 61.00
Comp Wheel For BH up to 24"	HR	\$ 18.00
Drill/Auger for BH up to 8' deep	HR	\$ 20.00
Hoe-Pac For BH	HR	\$ 44.00
----- COMPACTION DIRT -----		
Cat 815 F Compactor	HR	\$ 260.00
50" Single Roller (Cat 323C)	HR	\$ 76.00
66" Single Roller (Cat 433E)	HR	\$ 82.00
84" Single Roller (Cat 563E)	HR	\$ 114.00
Jump Wacker	HR	\$ 12.00
Large Turtle Compactor	HR	\$ 22.00
----- CONCRETE -----		
Conc Buggy (16CF)	HR	\$ 17.00
Texas Screed Machine	HR	\$ 39.00
Concrete Soffcut Saw	HR	\$ 30.00
2 Gang Dowel Drill	HR	\$ 43.00
3 Gang Dowel Drill	HR	\$ 65.00
----- COMPACTION PAVING-----		
24" Roller (Bomag Walk)	HR	\$ 32.00
36" Roller	HR	\$ 37.00
48" Roller (Cat CB-224)	HR	\$ 44.00
51" Roller (Cat CB-334)	HR	\$ 70.00
66" Roller (Cat CB-534)	HR	\$ 126.00
Vibroplate Plate	HR	\$ 12.00
----- DOZERS -----		
Cat D4 Dozer G	HR	\$ 105.00
Cat D6 Dozer N	HR	\$ 152.00
Slope Board For Dozer	HR	\$ 18.00
----- EXCAVATORS-----		
Exc 4k lb (TB216)	HR	\$ 43.00
Exc 8k lb (Cat303.5)	HR	\$ 51.00
Exc 16k lb (Cat 307)	HR	\$ 78.00
Exc 30k lb (TB2150)	HR	\$ 111.00



Extra Work Equipment Rates PRIVATE (Bare) w/OH&P

Valid Through 12/31/2022

Revision Date: March 8, 2022

Description	Units	Rate
Exc 45k lb (SK210)	HR	\$ 166.00
Exc 55k lb (E220)	HR	\$ 183.00
Exc 60k lb (E250)	HR	\$ 203.00
Exc 78k lb (E300 & E330)	HR	\$ 222.00
Exc 100k lb (400 & 480)	HR	\$ 344.00
Exc 130k lb (PC 600)	HR	\$ 382.00
Brush Cutter For Exc	HR	\$ 29.00
Breaker For Exc	HR	\$ 111.00
Comp Wheel For Exc	HR	\$ 33.00
Felco Conveyor	HR	\$ 79.00
Hoe-Pac for Excavator	HR	\$ 40.00
Excavator Thumb	HR	\$ 23.00
----- GRINDERS-----		
36" AC Zipper	HR	\$ 150.00
----- GENERATORS-----		
5 kw Gen Set	HR	\$ 11.00
15 kw Gen Set	HR	\$ 27.00
25 kw Gen Set	HR	\$ 44.00
40 kw Gen Set	HR	\$ 53.00
500 Amp Welder	HR	\$ 39.00
----- LOADERS-----		
Cat 928F Loader	HR	\$ 108.00
Cat 938F Loader	HR	\$ 121.00
Cat 950H Loader	HR	\$ 151.00
Cat 966 Loader	HR	\$ 222.00
Box Spreader for Loader	HR	\$ 20.00
Side Dump Bucket (938/950)	HR	\$ 22.00
Skip Loader	HR	\$ 59.00
Bobcat S300 Skid Steer Loader	HR	\$ 46.00
Breaker for Skid Steer	HR	\$ 19.00
Drill for Skid Steer	HR	\$ 14.00
Grinding Head for Skid Steer	HR	\$ 72.00
Skid Steer Mini (MT-55)	HR	\$ 39.00
Rock Wheel for Skid Steer	HR	\$ 61.00
Sweeper for Skid Steer	HR	\$ 14.00
Tiller for Skid Steer	HR	\$ 8.00
Trencher for Skid Steer	HR	\$ 11.00
Wheel Dump (3.3 tn)	HR	\$ 54.00
Wheel Dump (6.6 tn)	HR	\$ 89.00
----- MISC -----		
Arrow Board	HR	\$ 22.00
Mower (Kubota)	HR	\$ 35.00



Extra Work Equipment Rates PRIVATE (Bare) w/OH&P

Valid Through 12/31/2022

Revision Date: March 8, 2022

Description	Units	Rate
Sprayer (Mitchell)	HR	\$ 23.00
Demo Wheel/Tractor	HR	\$ 295.00
10-ton Forklift	HR	\$ 74.00
GPS Survey Equipment	HR	\$ 58.00
Hydroseed Trailer T-90	HR	\$ 71.00
Auger (2 Man)	HR	\$ 10.00
Drill Seeder	HR	\$ 36.00
Laser	HR	\$ 14.00
Light Tower (4 Lights)	HR	\$ 17.00
Mortar Mixer .5 cy	HR	\$ 12.00
Message Board	HR	\$ 19.00
4x4 Mule Survey Vehicle	HR	\$ 25.00
Small 4-6" Pipe Burst Mach	HR	\$ 114.00
HDPE Fuse Mach 2"-8" w/GS	HR	\$ 38.00
HDPE Fuse Mach 6"-18" w/Trailer	HR	\$ 78.00
Rototiller -Walk Behind	HR	\$ 10.00
Sandblast Pot & Compressor	HR	\$ 66.00
Chain Saw	HR	\$ 10.00
Silt Tank	HR	\$ 29.00
Cat TH560B Telehandler (10K)	HR	\$ 94.00
Cat TH660B Telehandler (8K)	HR	\$ 76.00
Manitou MRT 2150 Rotating	HR	\$ 126.00
Sm.Tractor/Tiller (3520) 37 hp.	HR	\$ 50.00
Lg. Tractor/Tiller (5625) 99 hp.	HR	\$ 100.00
Vacuum Trailer 500 gal	HR	\$ 67.00
----- PAVING -----		
Berm Machine	HR	\$ 66.00
200 gal Bitchpot	HR	\$ 23.00
Cat 1055F/655F Paver	HR	\$ 336.00
Lincoln 660 XL Pickup Machine	HR	\$ 204.00
Small Paver Vogle	HR	\$ 204.00
----- PUMPING ----		
2" Sump & Gen Set Combo	HR	\$ 18.00
4" Trash Pump	HR	\$ 18.00
4" Sub Pump	HR	\$ 12.00
----- Railroad Equipment ---		
Hytracker RC 51 Cart	HR	\$ 46.00
Exc 40k (E210) w/Rototilt	HR	\$ 200.00
RR Gondola (25 cy)	HR	\$ 10.00
----- SCRAPERS-----		
Kress K13 Scraper (613)	HR	\$ 279.00
Cat 623 Scraper	HR	\$ 497.00



Extra Work Equipment Rates PRIVATE (Bare) w/OH&P

Valid Through 12/31/2022

Revision Date: March 8, 2022

Description	Units	Rate
----- SWEEPERS -----		
Laymore Broom	HR	\$ 40.00
----- TRUCKS -----		
Pickup 1/2 ton	HR	\$ 30.00
Pickup 3/4 to 1 1/2 ton	HR	\$ 37.00
Dump Trk 2 axle - 5 cy	HR	\$ 56.00
Dump Trk 2 axle - 3 cy	HR	\$ 47.00
Flatbed PU 12'	HR	\$ 45.00
Lowbed (5 Axle) & Tractor	HR	\$ 123.00
Mechanics Truck	HR	\$ 52.00
Paving Crew F550 Truck	HR	\$ 48.00
----- TRENCHER -----		
Trencher RT 40 Ditch Witch	HR	\$ 60.00
Trencher Vermeer RTx450	HR	\$ 60.00
----- WATER TRUCKS -----		
Wtr Trailer 500 Gal	HR	\$ 18.00
Wtr Trk 2k Gal	HR	\$ 62.00
Wtr Tower 10k Gal	HR	\$ 58.00

Note - Rates based on an offroad Diesel @ \$5.5/gal. M&H reserves the right to adjust rates based on an increase in fuel prices.

Re-Rented Equip to be billed at actual rental cost plus fuel, oil & maintenance plus 15%

Rates based on 8 hour minimum.

G:\Shared drives\Estimating\10 Policy, Procedures\Current Std Proposal & Extra Work Rates\`



Extra Work Labor Rates:
WITH MARKUP - Includes OH & P
7/1/2021 to 6/30/2022

Description	Reg. Time	x1.5	x2
Labor General	\$ 106.00	\$ 136.00	\$ 167.00
Labor Foreman	\$ 139.00	\$ 184.00	\$ 229.00
OE Operator	\$ 144.00	\$ 187.00	\$ 231.00
OE Grade Checker	\$ 141.00	\$ 183.00	\$ 226.00
OE Finish Blade	\$ 151.00	\$ 198.00	\$ 245.00
OE Foreman	\$ 176.00	\$ 234.00	\$ 292.00
Teamster	\$ 123.00	\$ 158.00	\$ 193.00
Project Accountant	\$ 132.00	\$ 132.00	\$ 132.00
Project Engineer	\$ 148.00	\$ 148.00	\$ 148.00
Project Manager	\$ 265.00	\$ 265.00	\$ 265.00
Project Superintendent	\$ 265.00	\$ 265.00	\$ 265.00

Above rates include an applicable markup. Do not add markup or surcharge.
Includes standard daytime shifts. Call for shift differential for night work, etc.
Mark Up not subject to reduction due to Prime Contract Formulas.
Union increases occur yearly on July 1st. Rates to be adjusted based on the actual increase.
Foreman pickup trucks not included in the labor rates. To be added in the equipment section.

2021-22 Std

CITY OF ALBANY

PUBLIC WORKS DEPARTMENT

PLANS FOR

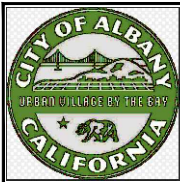
PAVEMENT AND CURB REHABILITATION PROJECT

MARIN AVENUE – PHASE 1

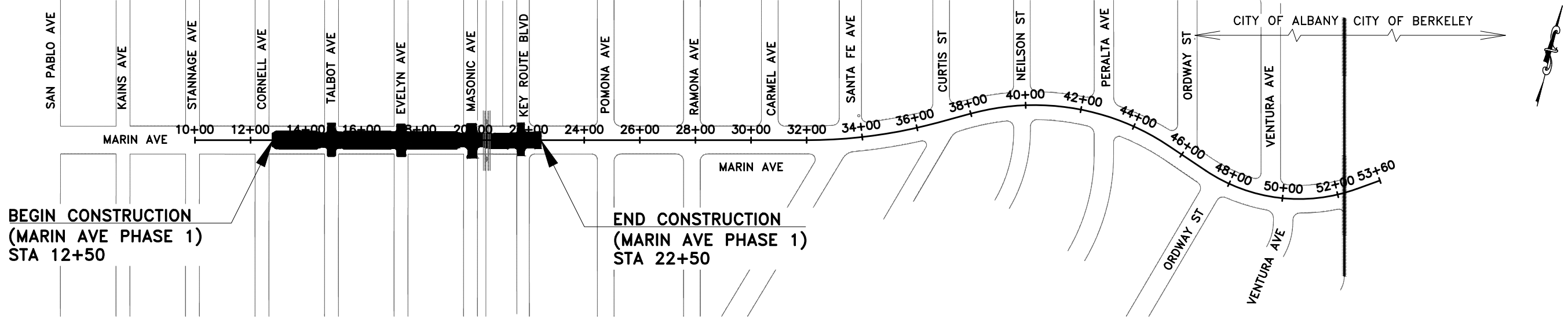
(FROM CORNELL AVENUE TO KEY ROUTE BOULEVARD)
ALAMEDA COUNTY, CALIFORNIA



VICINITY MAP
NOT TO SCALE



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



LOCATION MAP
NOT TO SCALE

INDEX OF SHEETS

SHEET NO.	DRAWING NO.	SHEET DESCRIPTION
1	G-1	TITLE SHEET
2	G-2	GENERAL NOTES, LEGEND AND ABBREVIATIONS
3	G-3	TYPICAL CROSS SECTIONS
4	G-4	HORIZONTAL CONTROL
5-6	C-1 TO C-2	STREET IMPROVEMENT PLAN
7-8	SS-1 TO SS-2	SIGNING AND STRIPING PLAN
9-12	D-1 TO D-4	INTERSECTION GRADING PLAN
13-18	D-5 TO D-10	CURB RAMP GRADING PLAN
19-22	SD-1 TO SD-4	STORM DRAIN IMPROVEMENT PLAN
23	ES-1	RELOCATING RFRB ASSEMBLY
24-25	CD-1 TO CD-2	CONSTRUCTION DETAILS
26	PP-1	POLLUTION PREVENTION PLAN
27	QTY-1	QUANTITY SHEET

APPLICABLE STANDARD PLANS:

- CITY STANDARD DETAILS (DECEMBER 2015):**
- ST 1 AC DIKE, CURB AND GUTTER DETAIL
 - ST 4 SIDEWALK: TYPE I AND II
 - ST 5 CURB AND SIDEWALK JOINTS
 - ST 6 CURB, GUTTER AND SIDEWALK REPAIRS
 - ST 8 LEGEND & NOTES - SIDEWALKS, DRIVEWAYS AND CURB AND GUTTER
 - ST 9.1-9.11 CURB RAMP DETAILS (CASE A, B, C, MODIFIED CASE C, D, E, F, G & CM, GROOVING, DOMES AND NOTES)
 - ST 11 STREET & TRAFFIC SIGN MOUNTING STANDARDS
 - ST 12 SIGN ANCHOR DETAIL
 - ST 13 TRENCH SURFACE RESTORATION DETAIL
 - ST 16 SIDEWALK TRIP HAZARD REMOVAL
 - ST 17 NPDES MEDALLION
 - ST 21 CONCRETE MONUMENT SECTION WITH DISC
 - SS 1 STANDARD MANHOLE FRAME AND COVER
 - SS 3 RAISED MANHOLE RING AND COVER
 - SS 7 TYPICAL TRENCH SECTION
 - SD 1.1-1.2 TYPE "A" INLET AND NOTES
 - SD 6.1-6.2 INLET FRAME AND GRATE FOR TYPE "A", "B" & "C"
 - SD 7 PRECAST MANHOLE, TYPE 1 BASE, FRAME & COVER
 - SD 9 STANDARD INLET/MANHOLE PLAN GENERAL NOTES

CALTRANS STANDARD PLANS (2018 VERSION):

- A20A-F PAVEMENT MARKERS AND TRAFFIC LINES, TYPICAL DETAILS
- A24A-G PAVEMENT MARKINGS, ARROWS, SYMBOLS, NUMERAL WORDS, LIMIT AND YIELD LINES
- T62 TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)
- ES-5A-B ELECTRICAL SYSTEMS (DETECTORS)
- ES-7A ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARD, TYPE TS, AND PUSH BUTTON ASSEMBLY POST)

CA MUTCD (LATEST EDITION):

- FIGURE 3B-102(CA) EXAMPLES OF FIRE HYDRANT LOCATION PAVEMENT MARKERS
- FIGURE 3B-103(CA) EXAMPLES OF INTERSECTION MARKINGS

CONTRACT NO. C22-XX

- CITY COUNCIL**
- PRESTON JORDAN - MAYOR
 - AARON TIEDEMAN - VICE MAYOR
 - GENELL GARY
 - PEGGY MCQUAID
 - ROCHELLE NASON
-
- NICOLE ALMAGUER - CITY MANAGER
 - MARK HURLEY
 - PUBLIC WORKS DIRECTOR & CITY ENGINEER
 - ALLISON CARRILLO
 - CAPITOL IMPROVEMENT PROJECTS PROGRAM MANAGER

100% SUBMITTAL 04/15/2022
NOT FOR CONSTRUCTION

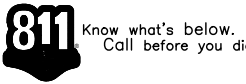
PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
TITLE SHEET

Submittal / Revision:

Designed By: DS/HA
 Drawn By: DS/HA
 Checked By: LL
 Date: 04/15/2022

Sheet Number:
G-1
 1 of 27

File: \\sfs-621-nas-1\cadd\112212\112212.dwg Plot: 112212.dwg (1/27) 04/15/2022 10:41:01 AM



GENERAL NOTES

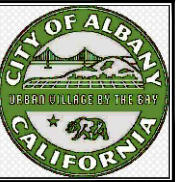
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CITY STANDARD DETAILS AND WITH 2018 CALTRANS STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED.
- ALL EXISTING SURFACE FEATURES SHOWN HEREON REPRESENT SURFACE CONDITIONS OF THE PROJECT AREA FROM A FIELD SURVEY PERFORMED BETWEEN JANUARY 2021 THROUGH FEBRUARY 2021, BY QUIET RIVER LAND SERVICES OF DUBLIN, CALIFORNIA.
- DRAWING BASE MAP IS BASED ON BOUNDARY SURVEY PERFORMED BY QUIET RIVER LAND SERVICES, INC. OF DUBLIN, CALIFORNIA. PARCEL LINES ARE APPROXIMATE AND ARE FOR INFORMATION PURPOSE ONLY.
- SPECIFIC NOTES AND DETAILS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO POTHOLE AND FIELD VERIFY LOCATIONS, OF EXISTING FACILITIES AND TO IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY FIELD CONFLICTS.
- CONTRACTOR IS RESPONSIBLE TO MAKE ALL ARRANGEMENTS FOR SITE INSPECTIONS AND ENSURE THAT ALL CURRENT STANDARDS FOR THE CITY OF ALBANY AND CALTRANS ARE FOLLOWED PRIOR TO BEGINNING ANY PHASE OF CONSTRUCTION WORK.
- CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
- CONSTRUCTION SHALL BE LIMITED TO BETWEEN THE HOURS OF 8:00 A.M. AND 5:00 P.M., MONDAY THROUGH FRIDAY AND INSPECTION REQUESTS SHALL BE LIMITED TO NORMAL CITY BUSINESS HOURS: 8:00 A.M. TO 5:00 P.M., MONDAY THROUGH FRIDAY. ARRANGEMENTS FOR ANY OVERTIME INSPECTION SERVICES AND PAYMENTS OF FEES FOR SAME SHOULD BE MADE 48 HOURS IN ADVANCE AND ARE SUBJECT TO INSPECTION AVAILABILITY AND APPROVAL BY THE ENGINEER.
- THE CITY IS RESPONSIBLE FOR ARRANGEMENTS TO PAY FOR ALL MATERIAL TESTING REQUIRED FOR QUALITY ASSURANCE/ACCEPTANCE OF THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE TO IT THAT ALL MATERIAL TESTING REQUIRED BY THE ENGINEER AND QUALITY CONTROL TESTING, PER THE TECHNICAL SPECIFICATIONS, IS PERFORMED. ENGINEER WILL ONLY PERFORM QUALITY ASSURANCE TESTING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER 24 HOURS IN ADVANCE OF QUALITY ASSURANCE TESTING TO ALLOW THE ENGINEER TO SCHEDULE MATERIAL TESTING LAB SAMPLING OR TESTING.
- DUST CONTROL DURING ALL PHASES OF CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN GOOD HOUSEKEEPING WITHIN THE CONSTRUCTION AREA AND STAGING AREA.
- WATER FOR DUST CONTROL AND USE FOR COMPACTION MAY BE PURCHASED FROM THE APPROPRIATE AGENCY PRIOR TO THE START OF ANY WORK, AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PAY FOR ANY FEES OR DEPOSITS.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL THE PROPOSED ROUTE(S) FOR ALL CONSTRUCTION TRAFFIC RELATED TO THE PROJECT. UPON APPROVAL, THE CONTRACTOR SHALL STRICTLY ADHERE TO THAT ROUTE(S) ONLY, UNLESS WRITTEN PERMISSION IS OBTAINED TO CHANGE THE ROUTE(S). IN ADDITION TO THE CONTRACTOR'S PROPOSED ROUTE(S) A DETOUR PLAN SHALL BE SUBMITTED FOR APPROVAL BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES AFFECTED BY THE PROJECT THROUGHOUT THE LIFE OF THE CONTRACT AS SPECIFIED IN THE SPECIAL PROVISIONS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES.
- CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (U.S.A.) 800-227-2600 (OR DIAL 811) TWO (2) WORKING DAYS PRIOR TO START OF ANY EXCAVATION OR DEMOLITION OF IMPROVEMENTS. THE LOCATION OF SURFACE UTILITIES SHOWN ON THE PLANS IS APPROXIMATE ONLY. ATTENTION IS DIRECTED TO EXISTENCE OF UNDERGROUND FACILITIES NOT KNOWN, OR IT IS IN AN OFF SET PLACE FROM THE POSITION WHICH IT IS MARKED ON THE PLAN.
- THE CONTRACTOR IS RESPONSIBLE TO NOTIFY ALL UTILITIES TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION SO THAT LINES CAN BE MARKED. CONTRACTOR SHALL EXERCISE CARE DURING EXCAVATION OR DEMOLITION, PARTICULARLY IN LOCATIONS WITH UTILITIES THAT WILL REMAIN IN SERVICE.
- ANY DAMAGE TO THE EXISTING FACILITIES INCLUDING TREES, LANDSCAPING, IRRIGATION, FENCES, WALLS, SIDEWALK, MAILBOXES, UTILITIES, STRIPING, MARKINGS, MARKERS, AND OTHER PAVEMENT SURFACES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. CONTRACTOR SHALL RESTORE ANY AND ALL PAVEMENT AND OTHER FACILITIES OUTSIDE LIMITS OF WORK AFFECTED BY THE CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VIDEOTAPE OR DOCUMENT EXISTING CONDITIONS PRIOR TO START OF WORK TO SUBSTANTIATE ANY PREVIOUS DAMAGE, ETC.; COPIES OF WHICH SHALL BE PROVIDED TO THE ENGINEER.
- IT IS THE CONTRACTORS RESPONSIBILITY PROTECT THEIR WORK AREA FROM DAMAGE. TRENCH PLATES OR OTHER PROTECTION MAY BE REQUIRED FOR PCC WORK.
- STRIPING AND MARKINGS IN ROADWAYS SHALL BE THERMOPLASTIC. BLUE REFLECTIVE FIRE HYDRANT MARKERS SHALL BE SET 6' OFF THE STREET CENTERLINE OR CENTERLINE STRIPING, UNLESS OTHERWISE NOTED.
- TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGERS, AND OTHER DEVICES TO PROVIDE FOR SAFE PASSAGE OF PUBLIC VEHICULAR, BICYCLE, AND PEDESTRIAN TRAFFIC IN ACCORDANCE WITH CA-MUTCD.
- TYPICAL DETAILS REFERRED TO ON THESE DRAWINGS ARE FROM THE CITY STANDARD PLANS AND CALTRANS STANDARD PLANS.
- CONTRACTOR SHALL PROTECT THE FULL DIAMETER OF CURB DRAIN OUTLETS DURING PAVEMENT AND CONCRETE WORK. EXISTING CURB DRAINS SHALL REMAIN FUNCTIONAL DURING AND AFTER WORK IS COMPLETE. HANDWORK MAY BE REQUIRED TO PROTECT CURB DRAIN.
- THE ENGINEER ASSUMES NO RESPONSIBILITY BEYOND ADEQUACY OF THE DESIGN CONTAINED HEREIN. CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OF ENGINEER.

ABBREVIATIONS

AB	AGGREGATE BASE	PB	PULL BOX
AC	ASPHALT CONCRETE	PCC	PORTLAND CONCRETE CEMENT
AS	ASPHALT	PG&E	PACIFIC GAS AND ELECTRIC
BW	BACK OF WALK	PM	PAVEMENT
C&G	CURB AND GUTTER	PPB	PEDESTRIAN PUSH BUTTON
CJ	CONSTRUCTION JOINT	PP	POWER POLE
CL	CENTERLINE	PRC	POINT OF REVERSE CURVE
CONC	CONCRETE	R	RADIUS
CW	CROSSWALK	RHMA	RUBBERIZED HOT MIX ASPHALT
DET	DETAIL	RSP	REVISED STANDARD PLANS
DI	DRAIN INLET	RCW	RECYCLED WATER VALVE
DH	DETECTOR HANDHOLE	R&R	REMOVE & REPLACE
DWS	DETECTABLE WARNING SURFACE	(S)	SOUTH
DWY	DRIVEWAY	SD	STORM DRAIN
(E)	EAST	SDMH	STORM DRAIN MANHOLE
ELEV	ELEVATION	SSMH	SANITARY SEWER MANHOLE
EP	EDGE OF PAVEMENT	SVP	SILICON VALLEY POWER
EX	EXISTING	SE	SOUTHEAST
EW	EDGE OF WALK	SP	SIGNAL POLE
FC	FACE OF CURB	STA	STATION
FH	FIRE HYDRANT	SW	SIDEWALK, SOUTHWEST
FL	FLOW LINE	STD	STANDARD
FO	FIBER OPTIC	TBD	TO BE DETERMINED
G	GAS	TC	TOP OF CURB
GB	GRADE BREAK	TG	TOP OF GRATE
GBL	GREEN BIKE LANE	TI	TRAFFIC INDEX
GV	GAS VALVE	TS	TRAFFIC SIGNAL
HMA	HOT MIX ASPHALT	TMH	TELEPHONE MANHOLE
HP	HIGH POINT	TPB	TRAFFIC PULL BOX
LG	LIP OF GUTTER	TYP	TYPICAL
LL	LIMIT LINE	YCW	YELLOW CROSSWALK
MON	MONUMENT	VG	VALLEY GUTTER
NE	NORTHEAST	YL	YIELD LINE
NW	NORTHWEST	(W)	WEST
NTS	NOT TO SCALE	WCW	WHITE CROSSWALK
N	NEW	WP	WOOD POLE
(N)	NORTH	WV	WATER VALVE
O.P.	ON CENTER		

GENERAL LEGEND

	(E) SANITARY SEWER LINE
	(E) STORM DRAIN LINE
	(E) WATER LINE
	(E) GAS LINE
	(E) TELEPHONE LINE
	(E) OVERHEAD TELEPHONE LINE
	(E) COMMUNICATIONS
	(E) MANHOLE
	(E) TREE IN PLANTER
	(E) STREET LIGHT
	(E) PULL BOX, CATY VAULT, PG&E, TRAFFIC SIGNAL VAULT, OR HIGH VOLTAGE ELECTRICAL VAULT
	(E) FIRE HYDRANT
	(E) CATCH BASIN INLET
	(E) SIGN
	(E) WATER METER
	(E) WATER VALVE
	(E) GATE VALVE
	(E) CONTROL POINT
	(E) TREE OR WOOD UTILITY POLE
	(E) GUY POLE
	(E) CONCRETE COLUMN
	(E) BRASS DISC MONUMENT (PRESERVE)
	(E) CURB, GUTTER & SIDEWALK
	(E) CURB RAMP



City of Albany
Maintenance Center

540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



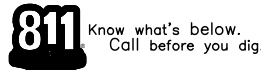
PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
GENERAL NOTES, LEGEND
AND ABBREVIATIONS

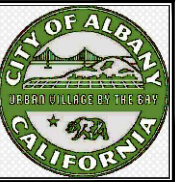
Submittal / Revision:	

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:
G-2
2 of 27

Title: 811 - Albany - 04/15/2022 - 10:00 AM
 Path: \\SERVER01\shared\GIS\Projects\811\811 - Albany - 04/15/2022 - 10:00 AM

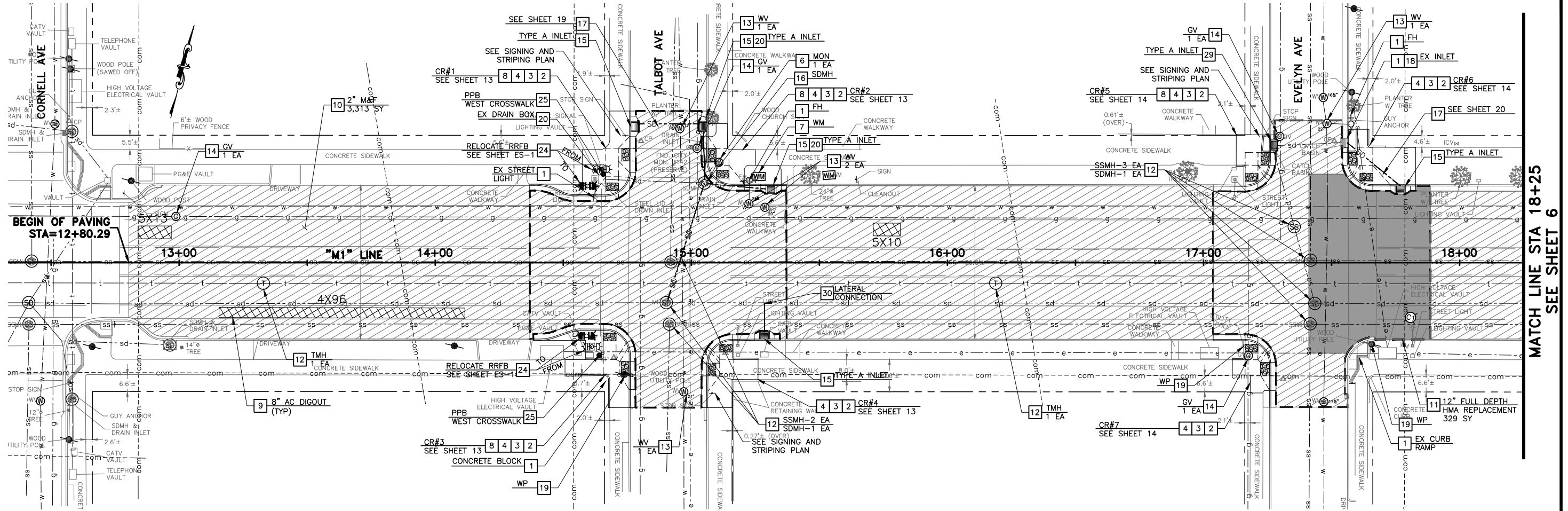




City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
STREET IMPROVEMENT PLAN
STA 12+50 TO STA 18+25



PLAN VIEW
SCALE: 1" = 20'

CORING LOG				
CORE NO	LOCATION	AC	AB	R-VALUE
C1	EB PARKING	7.7"	4"	15
C2	CENTER LANE	5.5"	12"	15

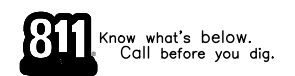
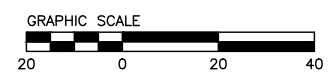
DEPTH MEASURED AT LOCATIONS SHOWN ON PLAN

LEGEND

	ITEM DESCRIPTION		ITEM DESCRIPTION
	2" HMA MILL AND FILL		CORING LOCATION & NUMBER
	12" FULL DEPTH HMA REPLACEMENT		CITY MONUMENT
	8" AC DIGOUT		DRAIN INLET
	PCC SIDEWALK		SEWER, STORM DRAIN, TELEPHONE MANHOLE/CLEANOUT
	4" MULCH IN PLANTER		EBMUD WATER VALVE
	GREEN INFRASTRUCTURE		WATER METER PULL BOX
	CITY RIGHT OF WAY		PG&E GAS VALVE
	INTERSECTION GRADING AND GRADING LIMIT		FIRE HYDRANT
			WOOD POLE
			EX RRFB
			PUSH BUTTON ASSEMBLY POST

- PROJECT NOTES**
- PROTECT IN PLACE.
 - CONSTRUCT CURB AND GUTTER PER MODIFIED CITY STD DETAIL NO. ST 1 ON SHEET CD-1.
 - CONSTRUCT SIDEWALK PER CITY STANDARD DETAIL ST 4.
 - CONSTRUCT CURB RAMP PER CITY STD DETAILS ST 9.1 TO ST 9.11. DWS SHALL ORIENTED PARALLEL TO THE PREDOMINATED DIRECTION OF TRAVEL PER DETAIL 6 ON SHEET CD-1.
 - LOCATE MISSING MONUMENT PER CITY MONUMENT RECORD AND RE-ESTABLISH MONUMENT PER CITY STD DETAIL NO. ST 21.
 - ADJUST TO FINISH GRADE SURVEY MONUMENT BOX PER CITY STD DETAIL NO. ST 21. MONUMENT PRESERVATION REQUIRED.
 - ADJUST TO FINISH GRADE PULL BOX TO GRADE IN SIDEWALK OR PLANTER.
 - 4" MULCH WITH LANDSCAPE FABRIC PER DETAIL 8 ON SHEET CD-1.
 - REMOVE AND REPLACE ASPHALT PAVEMENT SURFACE FAILURE WITH 8" AC DIGOUT AFTER COLD PLANING.
 - 2" THICK COLD PLANING EXISTING ASPHALT PAVEMENT. INSTALL 2" HMA PER TYPICAL CROSS SECTIONS ON SHEET 3.
 - ROADWAY EXCAVATION UP TO 20 INCHES DEEP, INCLUDES AC, AB AND SUB-GRADE MATERIALS. INSTALL 12" FULL DEPTH HMA PER TYPICAL CROSS SECTIONS ON SHEET 3 AND DETAIL 4 ON CD-1.
 - ADJUST TO FINISH GRADE FRAME & COVER PER CITY STD DETAIL NO. SSS.
 - ADJUST TO FINISH GRADE VALVE BOX PER EBMUD REQUIREMENTS. IF PERFORM BY CONTRACTOR, WRITTEN APPROVAL FROM EBMUD REQUIRED PRIOR TO START OF WORK.
 - ADJUST TO FINISH GRADE GAS VALVE BOX PER PG&E REQUIREMENTS. IF PERFORM BY CONTRACTOR, WRITTEN APPROVAL FROM PG&E REQUIRED PRIOR TO START OF WORK.
 - INSTALL TYPE "A" INLET PER CITY STD DETAIL NO. SD 1.1 AND SD 1.2. INSTALL NPDES MEDALLION PER CITY STD DETAIL NO. ST 17.
 - REMOVE AND REPLACE STORM DRAIN MANHOLE OR DRAINAGE STRUCTURE WITH PRECAST MANHOLE, TYPE I BASE, FRAME & COVER PER CITY STD DETAIL NO. SD 7.
 - INSTALL PVC PIPE PER TYPICAL TRENCH SECTION PER CITY STD DETAIL NO. SS 7. REMOVE EXISTING SD PIPE IF APPLICABLE.
 - INSTALL TEMPORARY DRAINAGE INLET PROTECTION PER CALTRANS STD PLAN T-62.
 - WOOD POLE TO BE REMOVED BY OTHERS.
 - REMOVE AND BACKFILL EX DRAIN INLET OR DRAIN BOX.
 - RELOCATE FIRE HYDRANT PER EBMUD REQUIREMENTS. EXACT LOCATION TO BE APPROVED BY THE ENGINEER.
 - REMOVE EX TREE.
 - TRIM TREE ROOT PER CITY ARBORIST DIRECTION.
 - RELOCATE EXISTING RRFB ASSEMBLY 3' MIN FROM FACE OF CURB. NEW FOUNDATION SHALL MATCH EXISTING. EXACT LOCATION SHALL BE APPROVED BY THE ENGINEER.
 - PUSH BUTTON ASSEMBLY POST PER CALTRANS STD PLAN ES-7A. RELOCATE EXISTING PUSH BUTTON FROM EXISTING RRFB. INSTALL CONDUITS, CABLES, PULL BOX AS NECESSARY.
 - SEE SIGNING AND STRIPING PLAN ON SHEETS 7 AND 8.
 - COBBLESTONE PER DETAIL 7 ON CD-1.
 - CONVENTIONAL ACCESSIBLE PARKING ON-STREET PER CALTRANS STD PLAN A90B.
 - RECONSTRUCT TOP PORTION OF DRAIN INLET TO TYPE "A" INLET PER CITY STD DETAIL NO. SD 1.1 AND SD 1.2. INSTALL NPDES MEDALLION PER CITY STD DETAIL NO. ST 17.
 - LATERAL CONNECTION PER DETAIL 9 ON SHEET CD-1.
 - SEE BIO-RETENTION DETAILS ON SHEET CD-2.

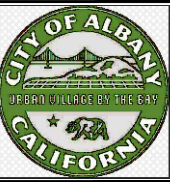
SEE IMPROVEMENT QUANTITY ON SHEET 27



Submitted / Revision:

Designed By: DS/HA
 Drawn By: DS/HA
 Checked By: LL
 Date: 04/15/2022

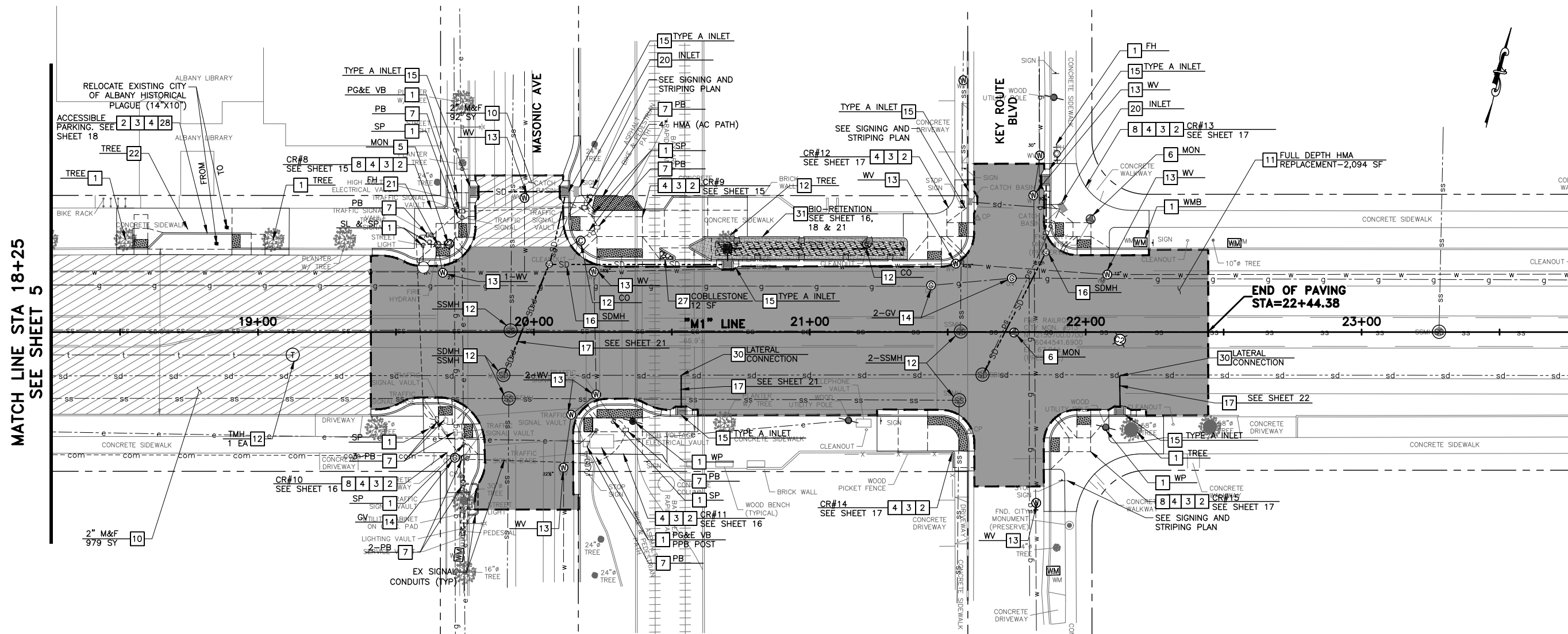
Sheet Number:
C-1
5 of 27



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
STREET IMPROVEMENT PLAN
STA 18+25 TO STA 22+50



PLAN VIEW
SCALE: 1" = 20'

CORING LOG				
CORE NO	LOCATION	AC	AB	R-VALUE
C1	EB PARKING	7.7"	4"	15
C2	CENTER LANE	5.5"	12"	15

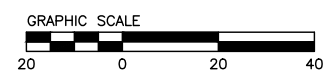
DEPTH MEASURED AT LOCATIONS SHOWN ON PLAN

LEGEND	
SYMBOL	ITEM DESCRIPTION
	2" HMA MILL AND FILL
	12" FULL DEPTH HMA REPLACEMENT
	8" AC DIGOUT
	PCC SIDEWALK
	4" MULCH IN PLANTER
	GREEN INFRASTRUCTURE
	CITY RIGHT OF WAY
	SD PVC PIPE
	INTERSECTION GRADING AND GRADING LIMIT
	CORING LOCATION & NUMBER
	CITY MONUMENT
	DRAIN INLET
	SEWER, STORM DRAIN, TELEPHONE MANHOLE/CLEANOUT
	EBMUD WATER VALVE
	WATER METER PULL BOX
	PG&E GAS VALVE
	FIRE HYDRANT
	WOOD POLE
	EX RRFB
	PUSH BUTTON ASSEMBLY POST

- PROJECT NOTES**
- PROTECT IN PLACE.
 - CONSTRUCT CURB AND GUTTER PER MODIFIED CITY STD DETAIL NO. ST 1 ON SHEET CD-1.
 - CONSTRUCT SIDEWALK PER CITY STANDARD DETAIL ST 4.
 - CONSTRUCT CURB RAMP PER CITY STD DETAILS ST 9.1 TO ST 9.11. DWS SHALL ORIENTED PARALLEL TO THE PREDOMINATED DIRECTION OF TRAVEL PER DETAIL 6 ON SHEET CD-1.
 - LOCATE MISSING MONUMENT PER CITY MONUMENT RECORD AND RE-ESTABLISH MONUMENT PER CITY STD DETAIL NO. ST 21.
 - ADJUST TO FINISH GRADE SURVEY MONUMENT BOX PER CITY STD DETAIL NO. ST 21. MONUMENT PRESERVATION REQUIRED.
 - ADJUST TO FINISH GRADE PULL BOX TO GRADE IN SIDEWALK OR PLANTER.
 - 4" MULCH WITH LANDSCAPE FABRIC PER DETAIL 8 ON SHEET CD-1.
 - REMOVE AND REPLACE ASPHALT PAVEMENT SURFACE FAILURE WITH 8" AC DIGOUT AFTER COLD PLANING.

- 2" THICK COLD PLANING EXISTING ASPHALT PAVEMENT. INSTALL 2" HMA PER TYPICAL CROSS SECTIONS ON SHEET 3.
- ROADWAY EXCAVATION UP TO 20 INCHES DEEP, INCLUDES AC, AB AND SUB-GRADE MATERIALS. INSTALL 12" FULL DEPTH HMA PER TYPICAL CROSS SECTIONS ON SHEET 3 AND DETAIL 4 ON CD-1.
- ADJUST TO FINISH GRADE FRAME & COVER PER CITY STD DETAIL NO. SSS.
- ADJUST TO FINISH GRADE VALVE BOX PER EBMUD REQUIREMENTS. IF PERFORM BY CONTRACTOR, WRITTEN APPROVAL FROM EBMUD REQUIRED PRIOR TO START OF WORK.
- ADJUST TO FINISH GRADE GAS VALVE BOX PER PG&E REQUIREMENTS. IF PERFORM BY CONTRACTOR, WRITTEN APPROVAL FROM PG&E REQUIRED PRIOR TO START OF WORK.
- INSTALL TYPE "A" INLET PER CITY STD DETAIL NO. SD 1.1 AND SD 1.2. INSTALL NPDES MEDALLION PER CITY STD DETAIL NO. ST 17.
- REMOVE AND REPLACE STORM DRAIN MANHOLE OR DRAINAGE STRUCTURE WITH PRECAST MANHOLE, TYPE I BASE, FRAME & COVER PER CITY STD DETAIL NO. SD 7.
- INSTALL PVC PIPE PER TYPICAL MATCH SECTION PER CITY STD DETAIL NO. SS 7. REMOVE EXISTING SD PIPE IF APPLICABLE.
- INSTALL TEMPORARY DRAINAGE INLET PROTECTION PER CALTRANS STD PLAN T-62.
- WOOD POLE TO BE REMOVED BY OTHERS.
- REMOVE AND BACKFILL EX DRAIN INLET OR DRAIN BOX.
- RELOCATE FIRE HYDRANT PER EBMUD REQUIREMENTS. EXACT LOCATION TO BE APPROVED BY THE ENGINEER.
- REMOVE EX TREE.
- TRIM TREE ROOT PER CITY ARBORIST DIRECTION.
- RELOCATE EXISTING RRFB ASSEMBLY 3' MIN FROM FACE OF CURB. NEW FOUNDATION SHALL MATCH EXISTING. EXACT LOCATION SHALL BE APPROVED BY THE ENGINEER.
- PUSH BUTTON ASSEMBLY POST PER CALTRANS STD PLAN ES-7A. RELOCATE EXISTING PUSH BUTTON FROM EXISTING RRFB. INSTALL CONDUITS, CABLES, PULL BOX AS NECESSARY.
- SEE SIGNING AND STRIPING PLAN ON SHEETS 7 AND 8.
- COBBLESTONE PER DETAIL 7 ON CD-1.
- CONVENTIONAL ACCESSIBLE PARKING ON-STREET PER CALTRANS STD PLAN A90B.
- RECONSTRUCT TOP PORTION OF DRAIN INLET TO TYPE "A" INLET PER CITY STD DETAIL NO. SD 1.1 AND SD 1.2. INSTALL NPDES MEDALLION PER CITY STD DETAIL NO. ST 17.
- LATERAL CONNECTION PER DETAIL 9 ON SHEET CD-1.
- SEE BIO-RETENTION DETAILS ON SHEET CD-2.

SEE IMPROVEMENT QUANTITY ON SHEET 27

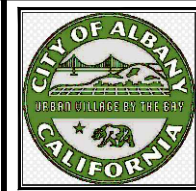


Submission / Revision:	

Designed By: DS/HA
 Drawn By: DS/HA
 Checked By: LL
 Date: 04/15/2022

Sheet Number:
C-2
 6 of 27

811 Know what's below. Call before you dig.



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543

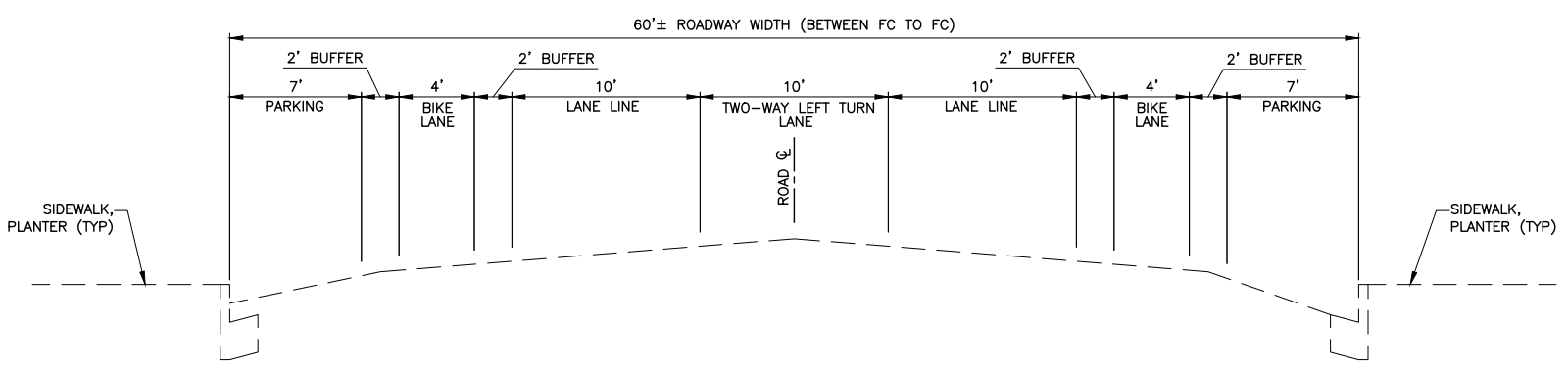
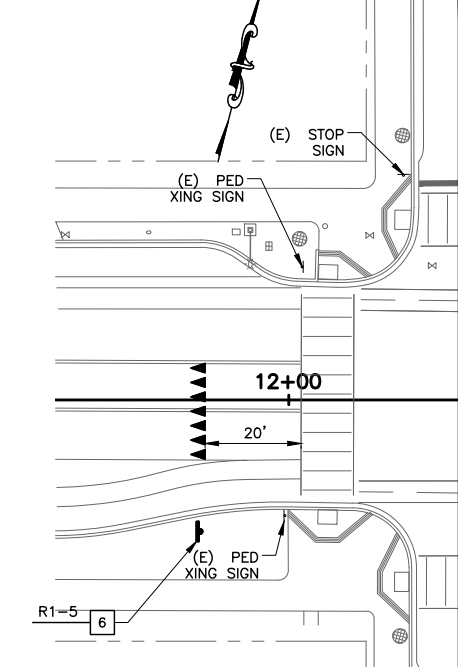
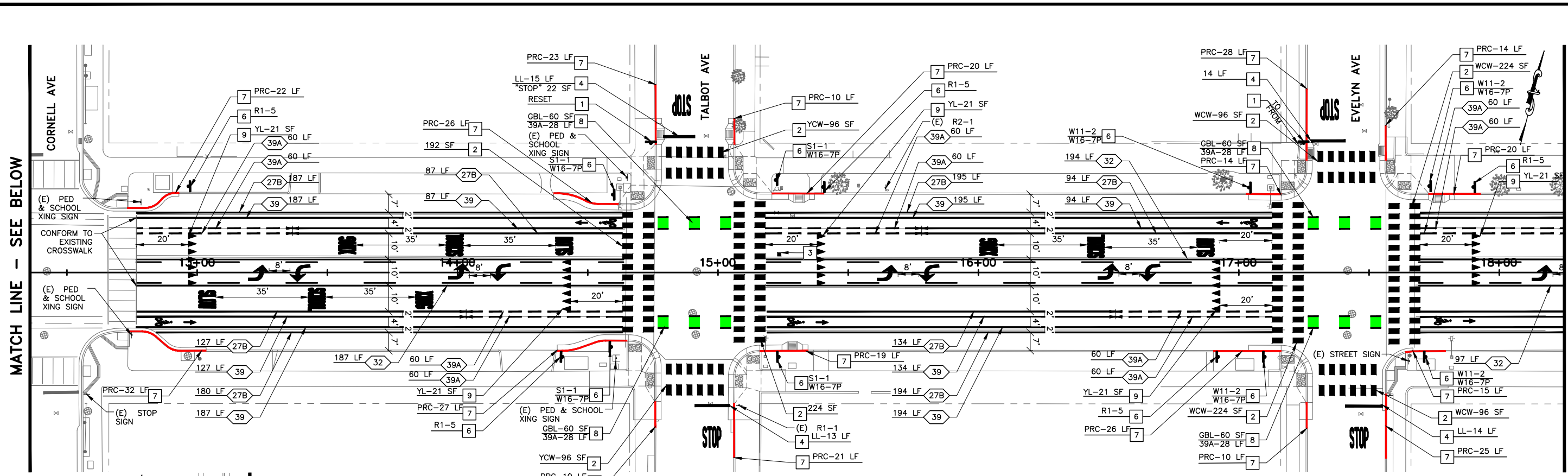


PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
SIGNING AND STRIPING PLAN

Submittal / Revision:	

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:
SS-1
7 of 27



LEGEND:	
	LIMIT LINE
	PAVEMENT MARKINGS
	TYPE IV TURN ARROW
	(E) TRAFFIC LOOP
	BLUE MARKER
	CHANGE OF STRIPE DILINEATION
	RELOCATE (E) SIGN
	DETAIL NUMBER
	BIKE LANE MARKING
	MEDIAN TURN LANE MARKING
	YIELD LINE
	DETAIL 22
	DETAIL 27B
	DETAIL 29
	DETAIL 32
	DETAIL 38
	DETAIL 39
	DETAIL 39A
	GREEN BIKE LANE (4' GREEN - 8' EMPTY)
	PAINT RED CURB
	PAINT BLUE CURB
	PAINT YELLOW CURB
	TRIPLE FOUR CROSSWALK (WHITE OR YELLOW)

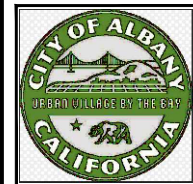
ABBREVIATIONS:	
WCW	WHITE CROSSWALK
YCW	YELLOW CROSSWALK
GBL	GREEN BIKE LANE
LL	LIMIT LINE
YL	YIELD LINE
LF	LINEAR FEET
SF	SQUARE FEET
PRC	PAINT RED CURB
PBC	PAINT BLUE CURB

- PROJECT NOTES:**
- 1 RELOCATE OR RESET SIGN PER CITY STANDARD DETAILS ST 11 & ST 12.
 - 2 INSTALL TRIPLE 4 CROSSWALK PER DETAIL 1 ON SHEET CD-1.
 - 3 INSTALL TWO-WAY REFLECTIVE BLUE PAVEMENT MARKER PER DETAIL 3 ON SHEET CD-1.
 - 4 INSTALL TYPICAL INTERSECTION MARKINGS PER DETAIL 2 ON SHEET CD-1.
 - 5 NOTE USED.
 - 6 INSTALL TRAFFIC SIGN PER CITY STANDARD DETAILS ST 11.
 - 7 INSTALL PAINT ON TOP AND FACE OF CURB. COLOR AS SHOWN.
 - 8 INSTALL GREEN BIKE LANE WITH DETAIL 39A PER DETAIL 6, ON SHEET CD-1.
 - 9 INSTALL YIELD LINE PER CALTRANS STD PLAN A24E.

SEE SIGNING AND STRIPING QUANTITY ON SHEET 27



811 Know what's below. Call before you dig.
 File: \\snp\proj\811\811-001\811-001-001\811-001-001-001.dwg
 Plot: \\snp\proj\811\811-001\811-001-001\811-001-001-001.dwg
 Date: 04/15/2022 10:15:00 AM
 User: ds@albanycity.com
 Title: 811-001-001-001-001.dwg



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



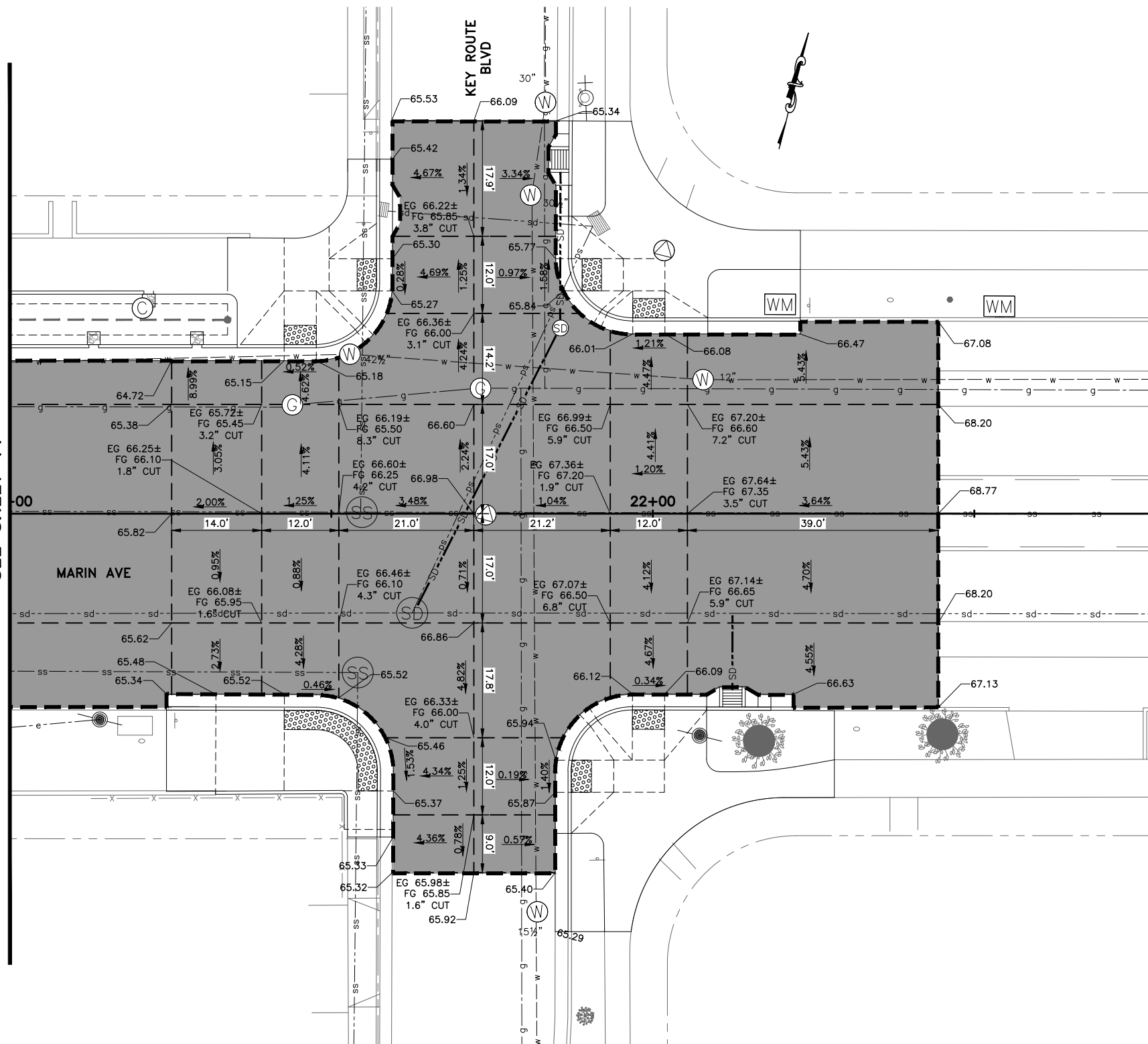
LEGEND:

- INTERSECTION GRADING
- FULL DEPTH HMA REPLACEMENT
- 2" MILL AND FILL
- GRADE BREAK
- EG 100.65± EXISTING GRADE SPOT ELEVATION
- 100.65 FINISHED GRADE SPOT ELEVATION, CONFORM
- 0.3%± EXISTING SLOPE
- 1.5% FINISHED SLOPE

CONSTRUCTION NOTES:

- 1) ALL SPOT ELEVATIONS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED.

MATCH LINE STA 21+00
SEE SHEET 11



MARIN AVENUE & KEY ROUTE BOULEVARD INTERSECTION

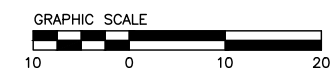
SCALE: 1"=10'

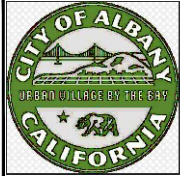
PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
INTERSECTION GRADING PLAN
MARIN AVE & KEY ROUTE BLVD INTERSECTION

Submittal / Revision:
▲
▲
▲
▲
▲
▲

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:
D-4
12 of 27





City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
CURB RAMP GRADING PLAN

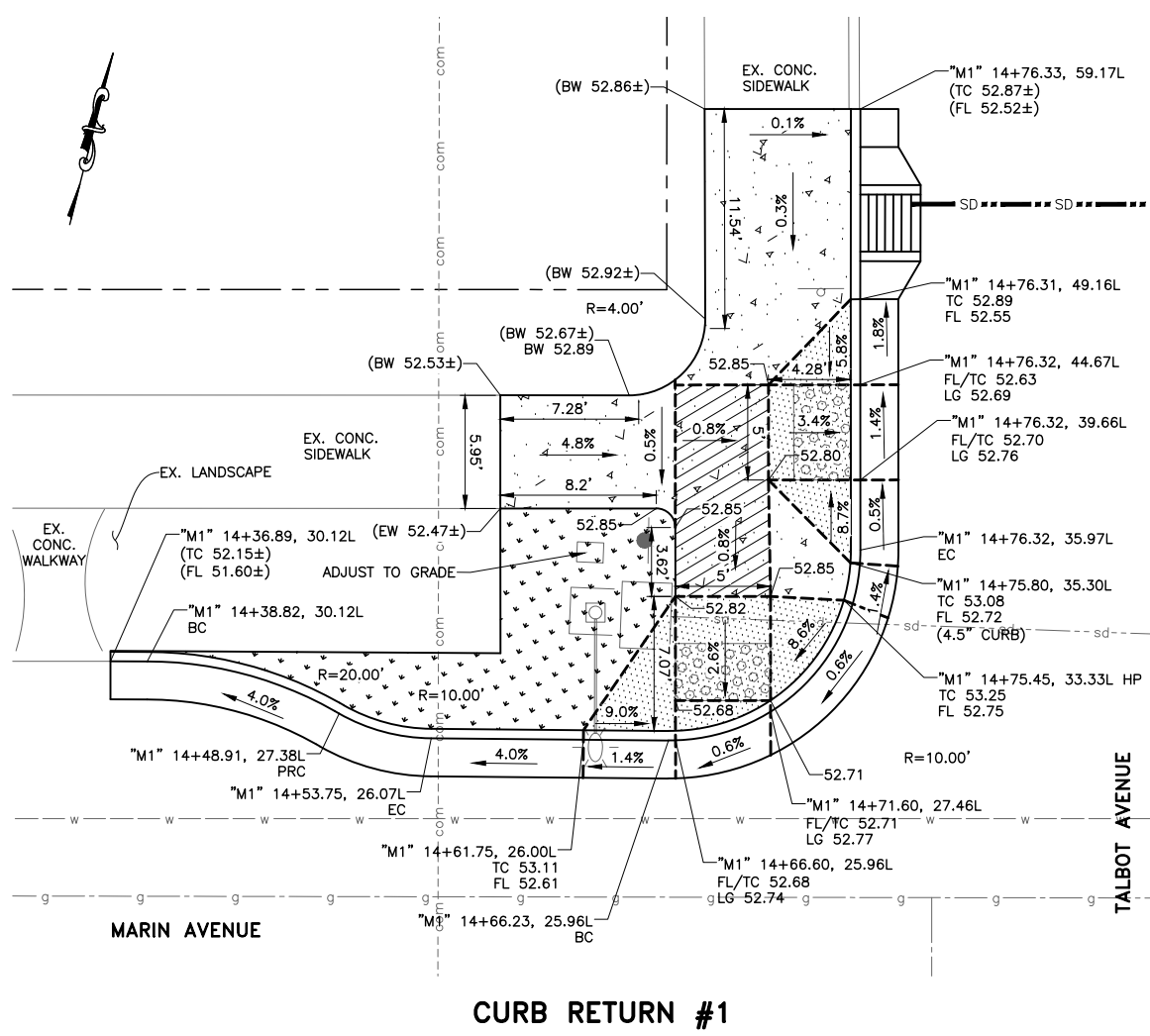
Submittal / Revision:	

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

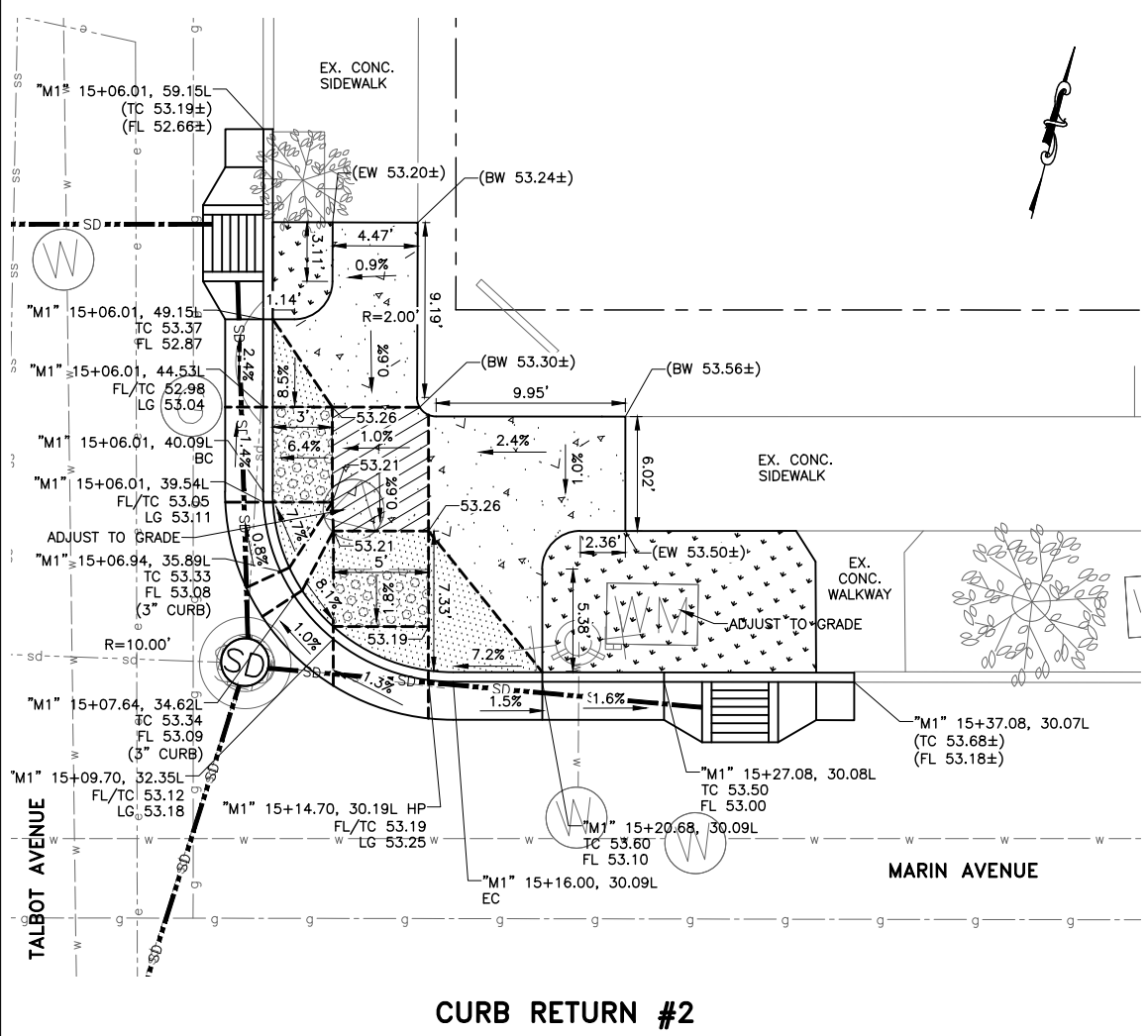
Sheet Number:
D-5
13 of 27

- LEGEND:**
- PCC CURB & GUTTER
 - PCC SIDEWALK
 - PCC CURB RAMP
 - DETECTABLE WARNING SURFACE
 - GREEN INFRASTRUCTURE
 - PCC RETAINING CURB
 - PLANTER AREA (MULCH)
 - REMOVE AND REPLACE 4" HMA
 - FLAT SIDEWALK OR LANDING AREA, SLOPES SHALL BE 1.5% MAX AT ALL DIRECTIONS
 - COBBLE STONE
 - CITY RIGHT OF WAY
 - GRADE BREAK
 - (FL 100.15±) EXISTING SPOT ELEVATION, CONFORM UNLESS OTHERWISE NOTED.
 - FL 100.15 PROPOSED SPOT ELEVATION
 - (0.3%±) EXISTING SLOPE
 - 1.5% PROPOSED SLOPE
 - TYPE "A" INLET
 - SD STORM DRAIN PIPE

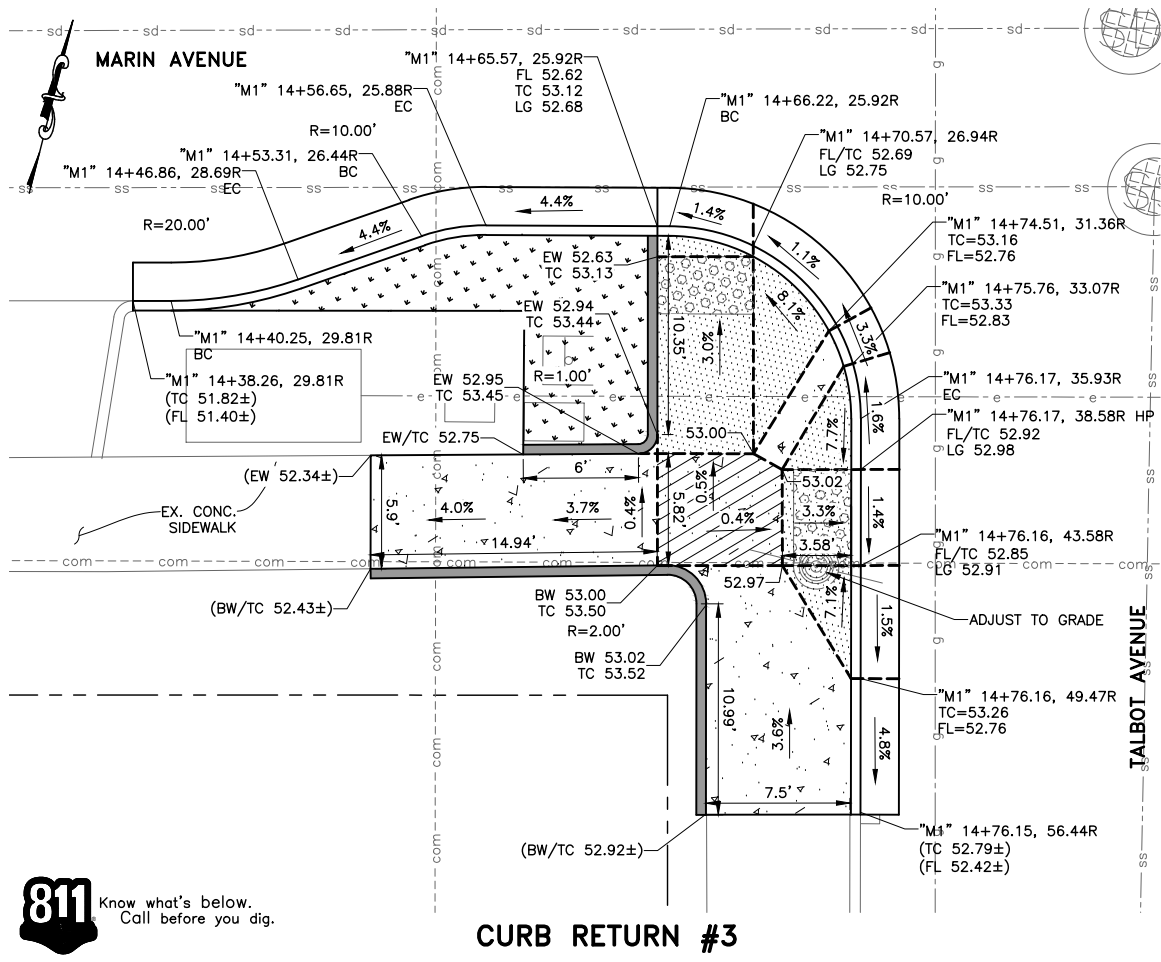
- CONSTRUCTION NOTES:**
- FOR DRAINAGE IMPROVEMENTS, SEE STORM DRAIN PLANS ON SHEETS SD-1 TO SD-4.
 - ALL UTILITY COVERS AND PULL BOXES, WITHIN IMPROVEMENTS SHALL BE ADJUSTED TO FINAL GRADE, UNLESS OTHERWISE NOTED.
 - SEE CURB, GUTTER & SIDEWALK REPAIRS PER CITY STD DETAIL NO. ST 6.
 - SEE LEGEND & NOTES FOR SIDEWALKS, DRIVEWAYS AND CURB & GUTTER PER CITY STD DETAIL NO. ST 8.
 - SEE DETECTABLE WARNING SURFACE ORIENTATION AT CURB RETURN PER DETAIL 4 ON SHEET CD-1.



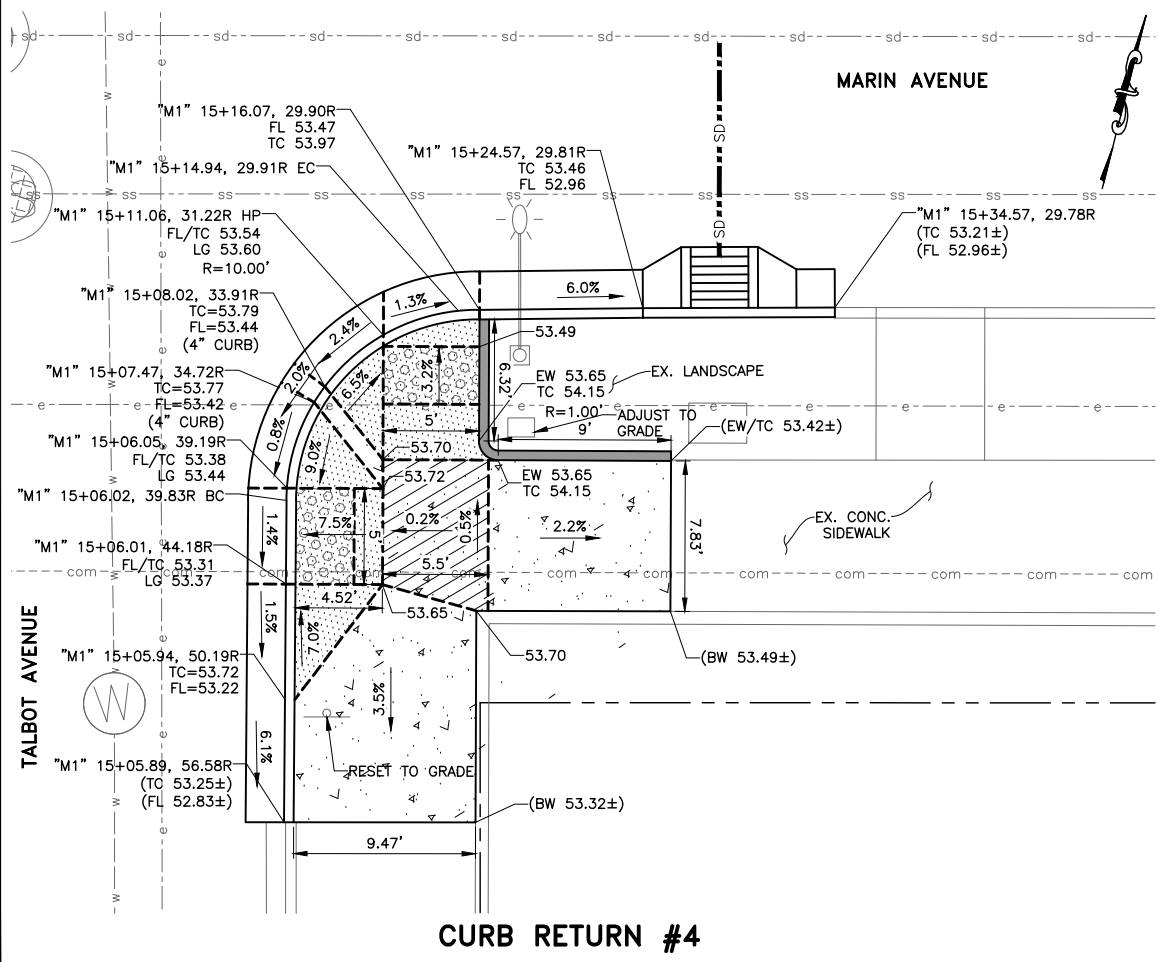
CURB RETURN #1



CURB RETURN #2



CURB RETURN #3

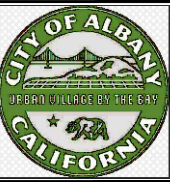


CURB RETURN #4



811 Know what's below.
Call before you dig.

File: \\snp\projects\14000\14000.dwg, Plot: 14000.ctb, Date: 04/15/2022 09:16:38
 Plot: \\snp\projects\14000\14000.dwg, Plot: 14000.ctb, Date: 04/15/2022 09:16:38



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



Employee - Owned

PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
CURB RAMP GRADING PLAN

Submittal / Revision:	

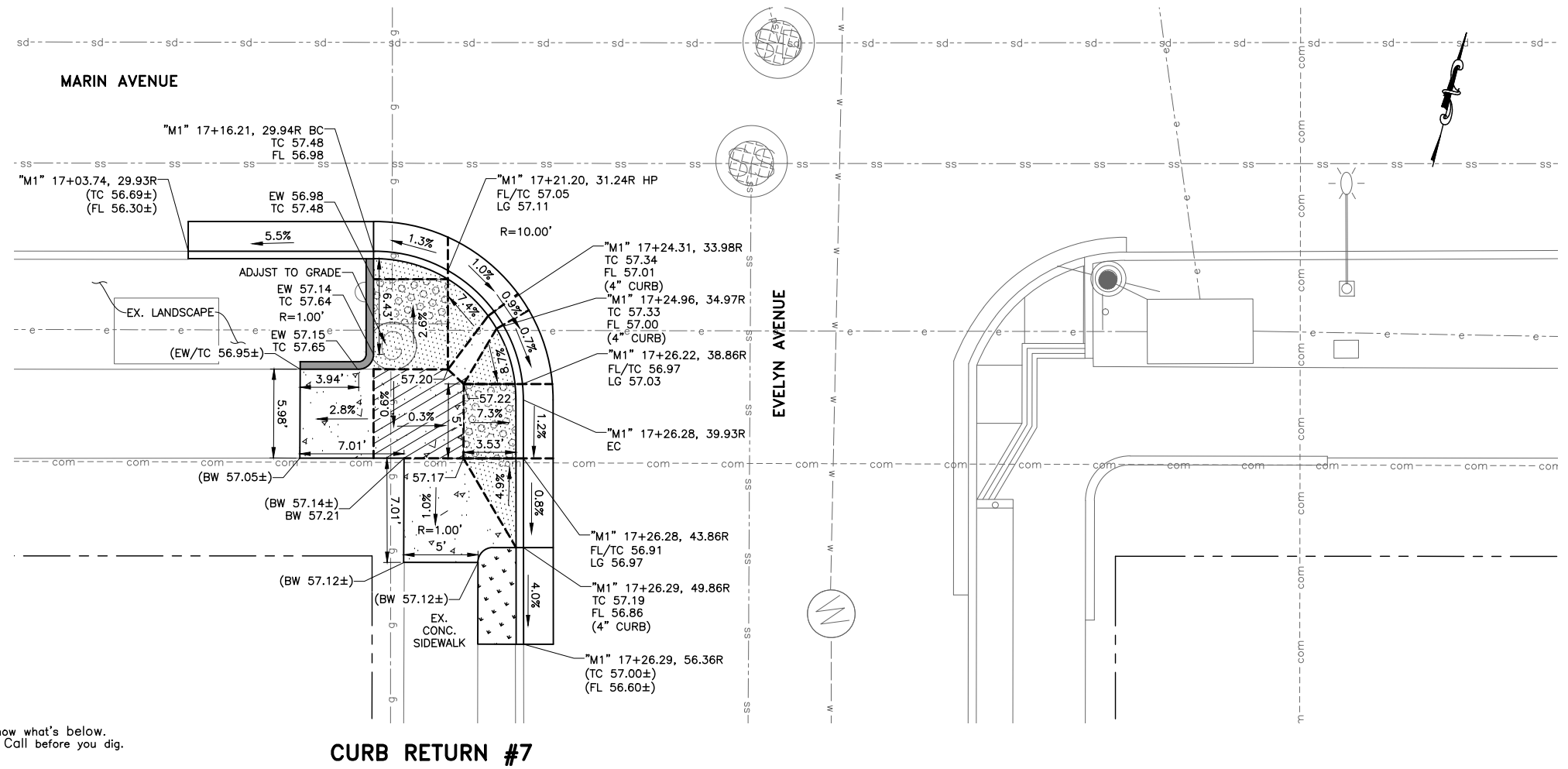
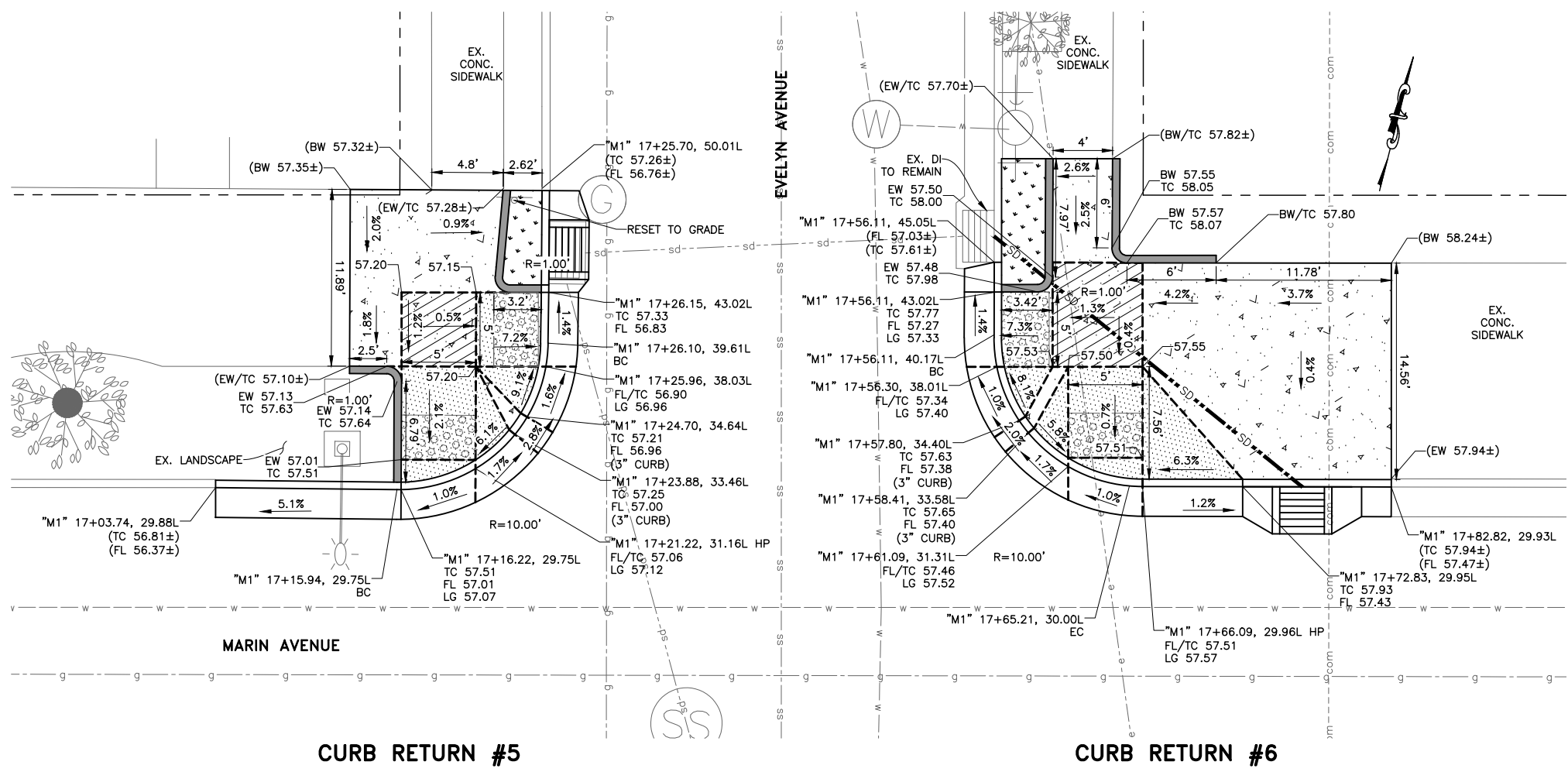
Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:
D-6
14 of 27

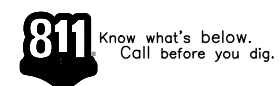
LEGEND:

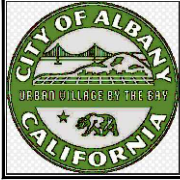
- PCC CURB & GUTTER
- PCC SIDEWALK
- PCC CURB RAMP
- DETECTABLE WARNING SURFACE
- GREEN INFRASTRUCTURE
- PCC RETAINING CURB
- PLANTER AREA (MULCH)
- REMOVE AND REPLACE 4" HMA
- FLAT SIDEWALK OR LANDING AREA, SLOPES SHALL BE 1.5% MAX AT ALL DIRECTIONS
- COBBLE STONE
- CITY RIGHT OF WAY
- GRADE BREAK
- (FL 100.15±) EXISTING SPOT ELEVATION, CONFORM UNLESS OTHERWISE NOTED.
- FL 100.15 PROPOSED SPOT ELEVATION
- (0.3%±) EXISTING SLOPE
- 1.5% PROPOSED SLOPE
- TYPE "A" INLET
- SD STORM DRAIN PIPE

- CONSTRUCTION NOTES:**
- FOR DRAINAGE IMPROVEMENTS, SEE STORM DRAIN PLANS ON SHEETS SD-1 TO SD-4.
 - ALL UTILITY COVERS AND PULL BOXES, WITHIN IMPROVEMENTS SHALL BE ADJUSTED TO FINAL GRADE, UNLESS OTHERWISE NOTED.
 - SEE CURB, GUTTER & SIDEWALK REPAIRS PER CITY STD DETAIL NO. ST 6.
 - SEE LEGEND & NOTES FOR SIDEWALKS, DRIVEWAYS AND CURB & GUTTER PER CITY STD DETAIL NO. ST 8.
 - SEE DETECTABLE WARNING SURFACE ORIENTATION AT CURB RETURN PER DETAIL 4 ON SHEET CD-1.



Date: 04/15/2022 11:45:00 AM
 Path: \\S:\Projects\2022\04\15\17-03-74\17-03-74-CURB-RAMP-GRADING-PLAN\17-03-74-CURB-RAMP-GRADING-PLAN.dwg
 Plot Date: Apr 15, 2022 at 11:45 AM
 Plot Scale: 1:100
 Plot Style: 17-03-74-CURB-RAMP-GRADING-PLAN.ctb
 Plot Device: HP DesignJet 560cm





City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
CURB RAMP GRADING PLAN

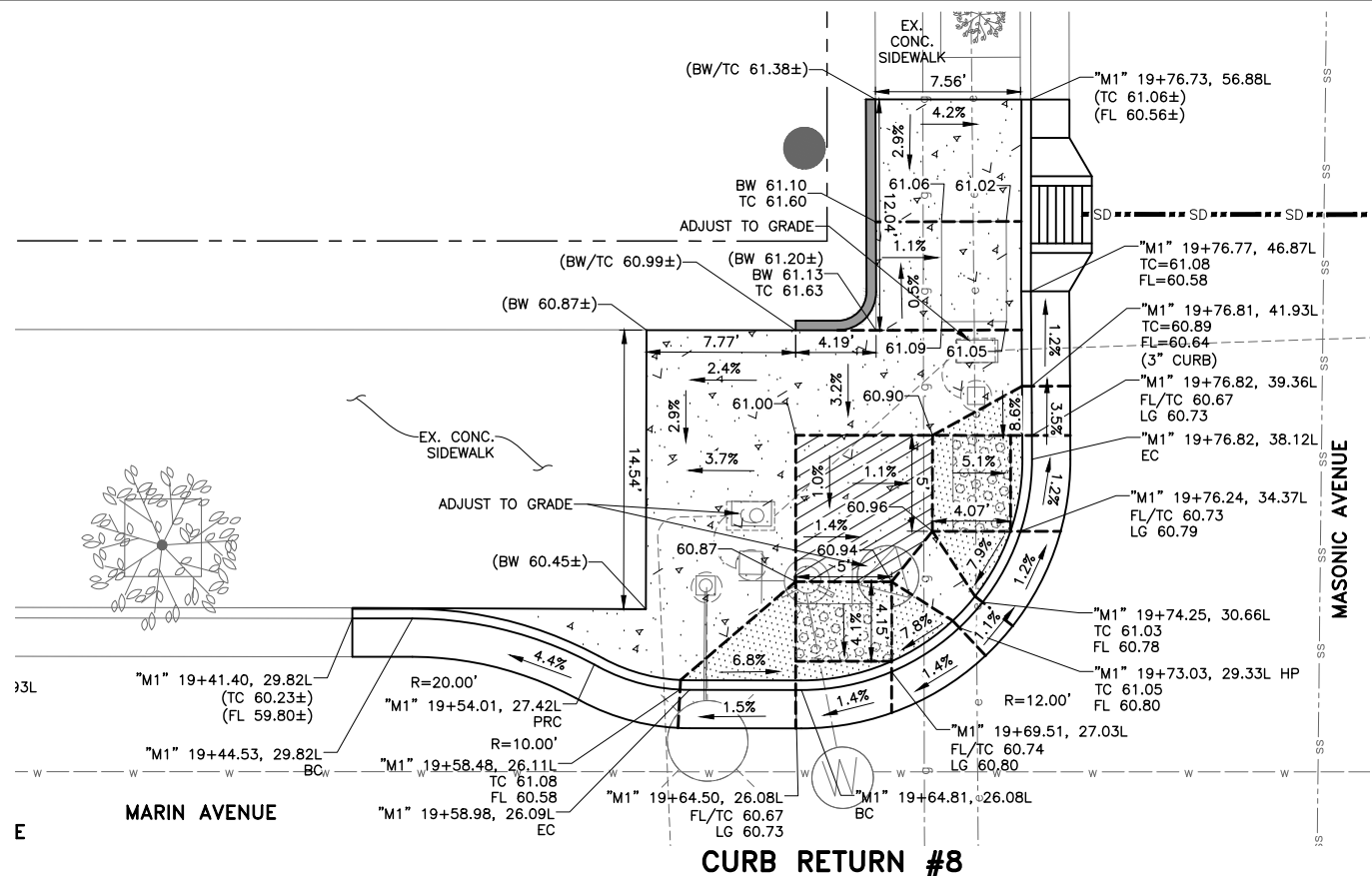
Submittal / Revision:	
▲	
▲	
▲	
▲	
▲	
▲	

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

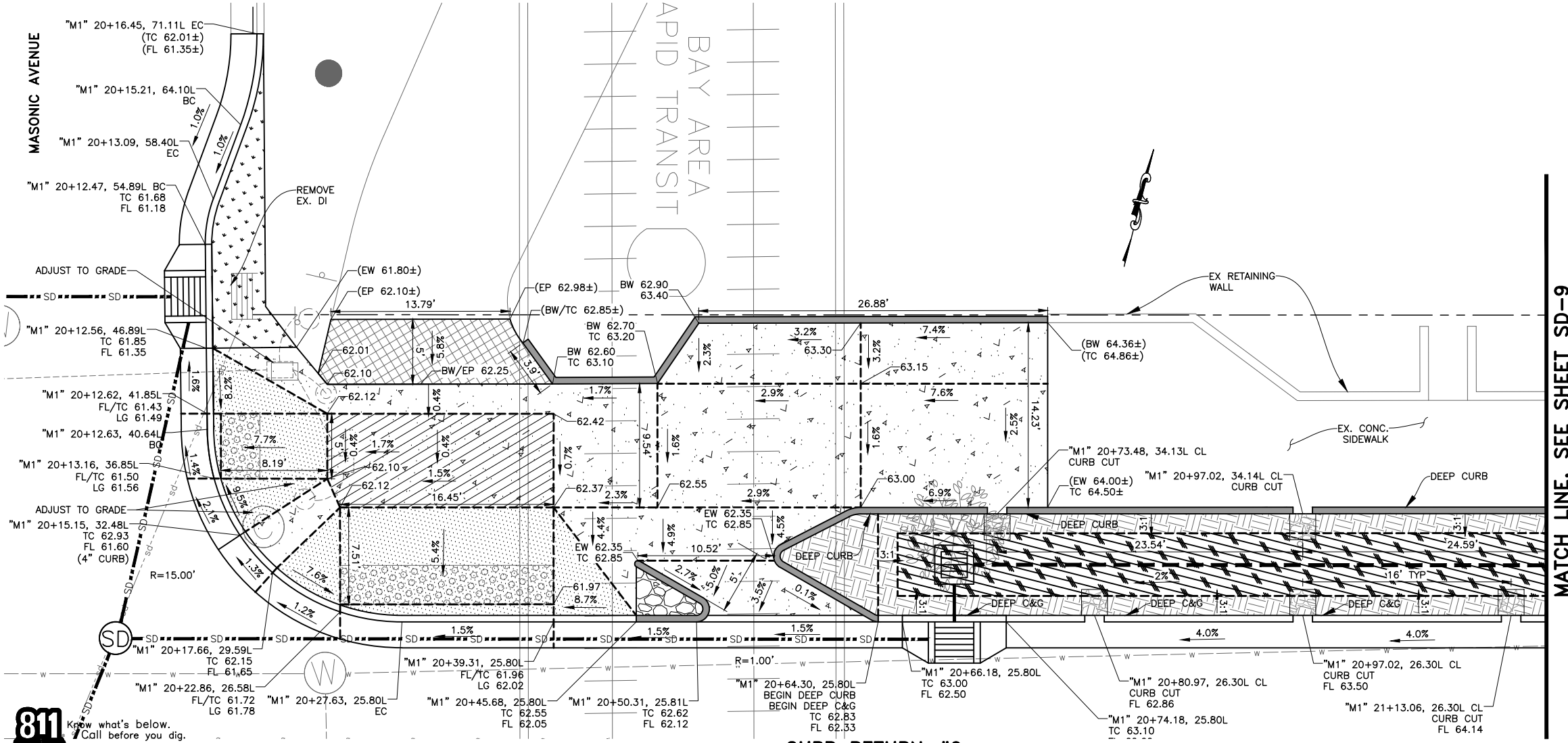
Sheet Number:
D-7
15 of 27

- LEGEND:**
- PCC CURB & GUTTER
 - PCC SIDEWALK
 - PCC CURB RAMP
 - DETECTABLE WARNING SURFACE
 - GREEN INFRASTRUCTURE
 - PCC RETAINING CURB
 - PLANTER AREA (MULCH)
 - REMOVE AND REPLACE 4" HMA
 - FLAT SIDEWALK OR LANDING AREA, SLOPES SHALL BE 1.5% MAX AT ALL DIRECTIONS
 - COBBLE STONE
 - CITY RIGHT OF WAY
 - GRADE BREAK
 - (FL 100.15±) EXISTING SPOT ELEVATION, CONFORM UNLESS OTHERWISE NOTED.
 - FL 100.15 PROPOSED SPOT ELEVATION
 - (0.3%±) EXISTING SLOPE
 - 1.5% PROPOSED SLOPE
 - TYPE "A" INLET
 - SD--- STORM DRAIN PIPE

- CONSTRUCTION NOTES:**
- FOR DRAINAGE IMPROVEMENTS, SEE STORM DRAIN PLANS ON SHEETS SD-1 TO SD-4.
 - ALL UTILITY COVERS AND PULL BOXES, WITHIN IMPROVEMENTS SHALL BE ADJUSTED TO FINAL GRADE, UNLESS OTHERWISE NOTED.
 - SEE CURB, GUTTER & SIDEWALK REPAIRS PER CITY STD DETAIL NO. ST 6.
 - SEE LEGEND & NOTES FOR SIDEWALKS, DRIVEWAYS AND CURB & GUTTER PER CITY STD DETAIL NO. ST 8.
 - SEE DETECTABLE WARNING SURFACE ORIENTATION AT CURB RETURN PER DETAIL 4 ON SHEET CD-1.



CURB RETURN #8

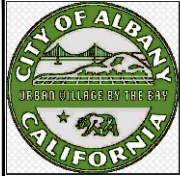


CURB RETURN #9

MATCH LINE, SEE SHEET SD-9

811 Know what's below. Call before you dig.





City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
CURB RAMP GRADING PLAN

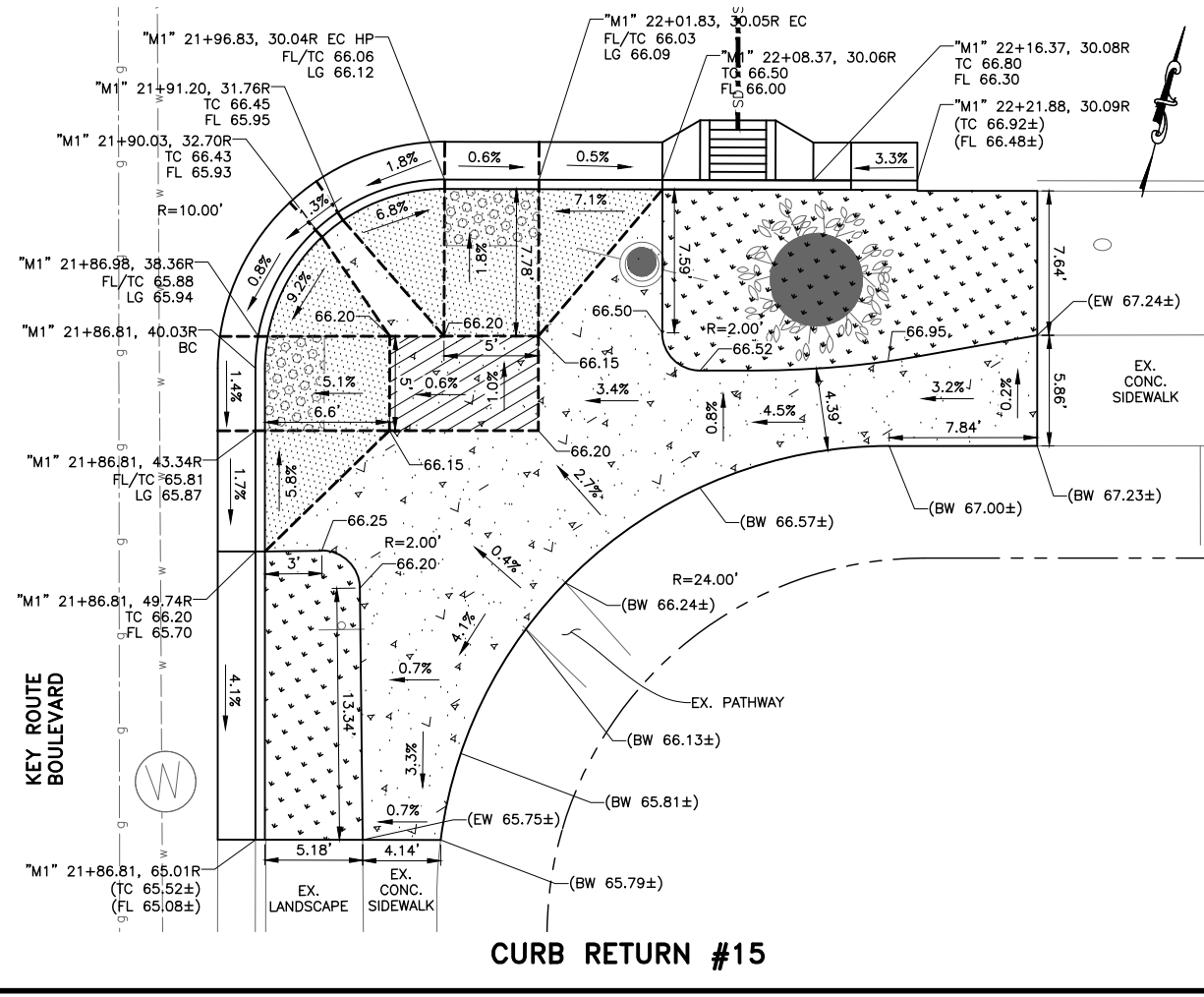
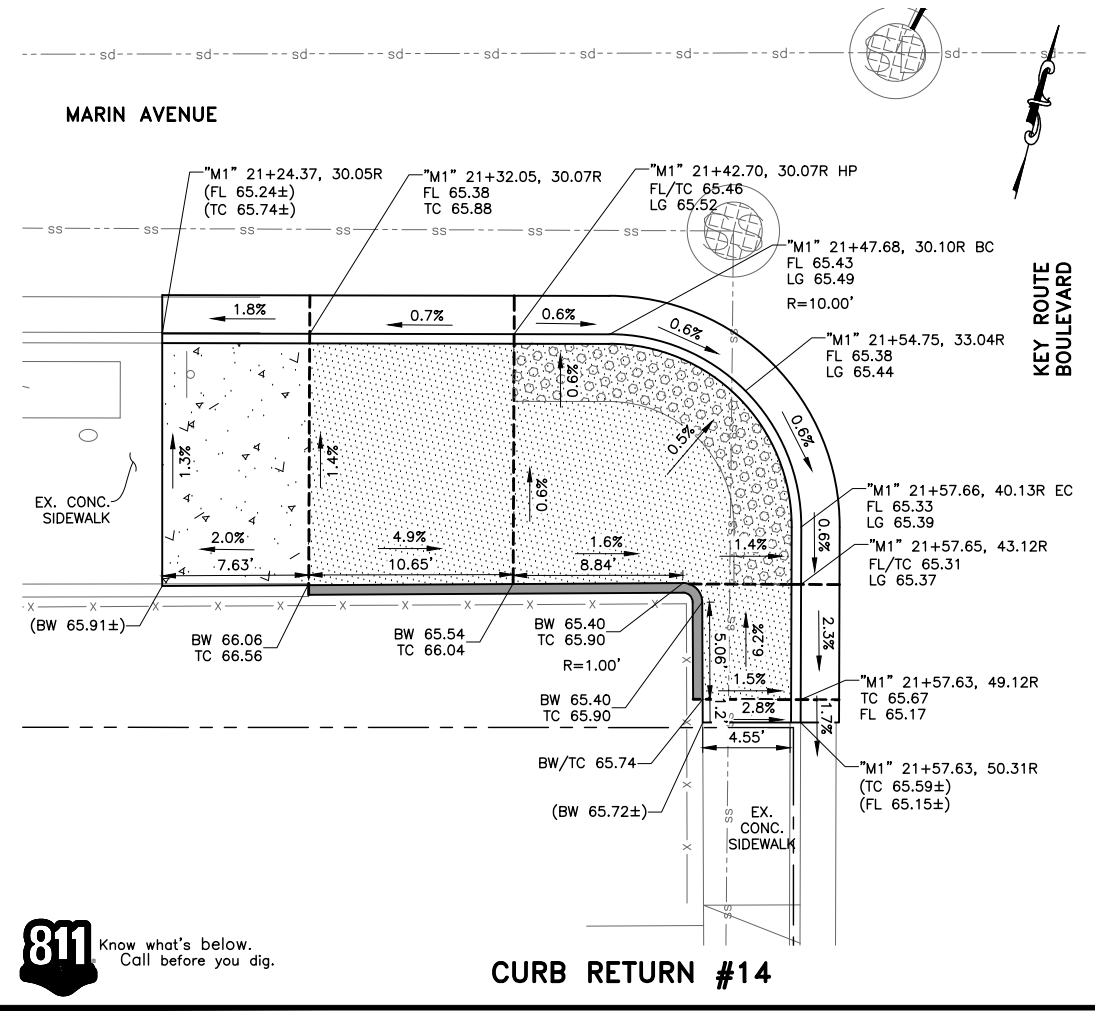
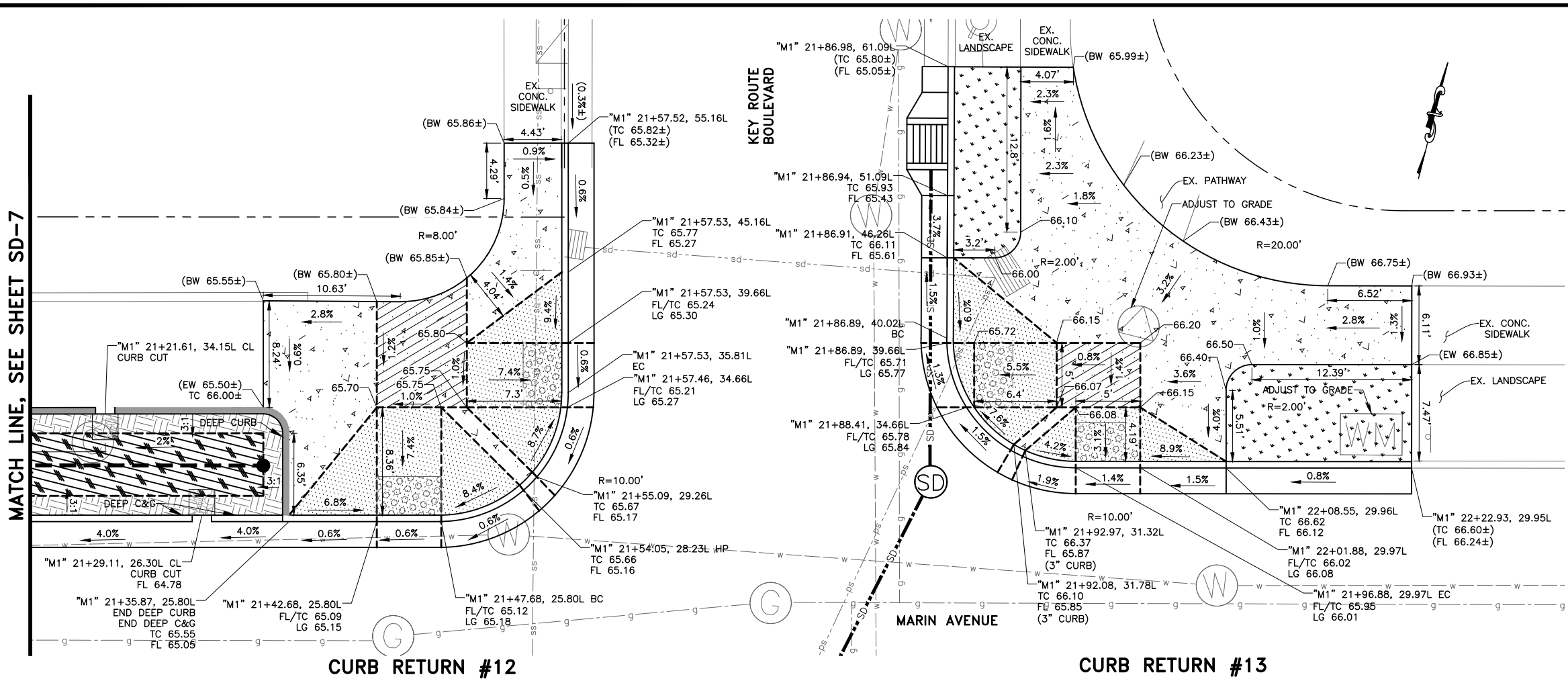
Submittal / Revision:	

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

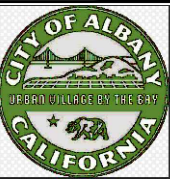
Sheet Number:
D-9
17 of 27

- LEGEND:**
- PCC CURB & GUTTER
 - PCC SIDEWALK
 - PCC CURB RAMP
 - DETECTABLE WARNING SURFACE
 - GREEN INFRASTRUCTURE
 - PCC RETAINING CURB
 - PLANTER AREA (MULCH)
 - REMOVE AND REPLACE 4" HMA
 - FLAT SIDEWALK OR LANDING AREA, SLOPES SHALL BE 1.5% MAX AT ALL DIRECTIONS
 - COBBLE STONE
 - CITY RIGHT OF WAY
 - GRADE BREAK
 - (FL 100.15±) EXISTING SPOT ELEVATION, CONFORM UNLESS OTHERWISE NOTED.
 - FL 100.15 PROPOSED SPOT ELEVATION
 - (0.3%±) EXISTING SLOPE
 - 1.5% PROPOSED SLOPE
 - TYPE "A" INLET
 - SD STORM DRAIN PIPE

- CONSTRUCTION NOTES:**
- FOR DRAINAGE IMPROVEMENTS, SEE STORM DRAIN PLANS ON SHEETS SD-1 TO SD-4.
 - ALL UTILITY COVERS AND PULL BOXES, WITHIN IMPROVEMENTS SHALL BE ADJUSTED TO FINAL GRADE, UNLESS OTHERWISE NOTED.
 - SEE CURB, GUTTER & SIDEWALK REPAIRS PER CITY STD DETAIL NO. ST 6.
 - SEE LEGEND & NOTES FOR SIDEWALKS, DRIVEWAYS AND CURB & GUTTER PER CITY STD DETAIL NO. ST 8.
 - SEE DETECTABLE WARNING SURFACE ORIENTATION AT CURB RETURN PER DETAIL 4 ON SHEET CD-1.



811 Know what's below. Call before you dig. 04/15/2022 10:16:39 AM



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



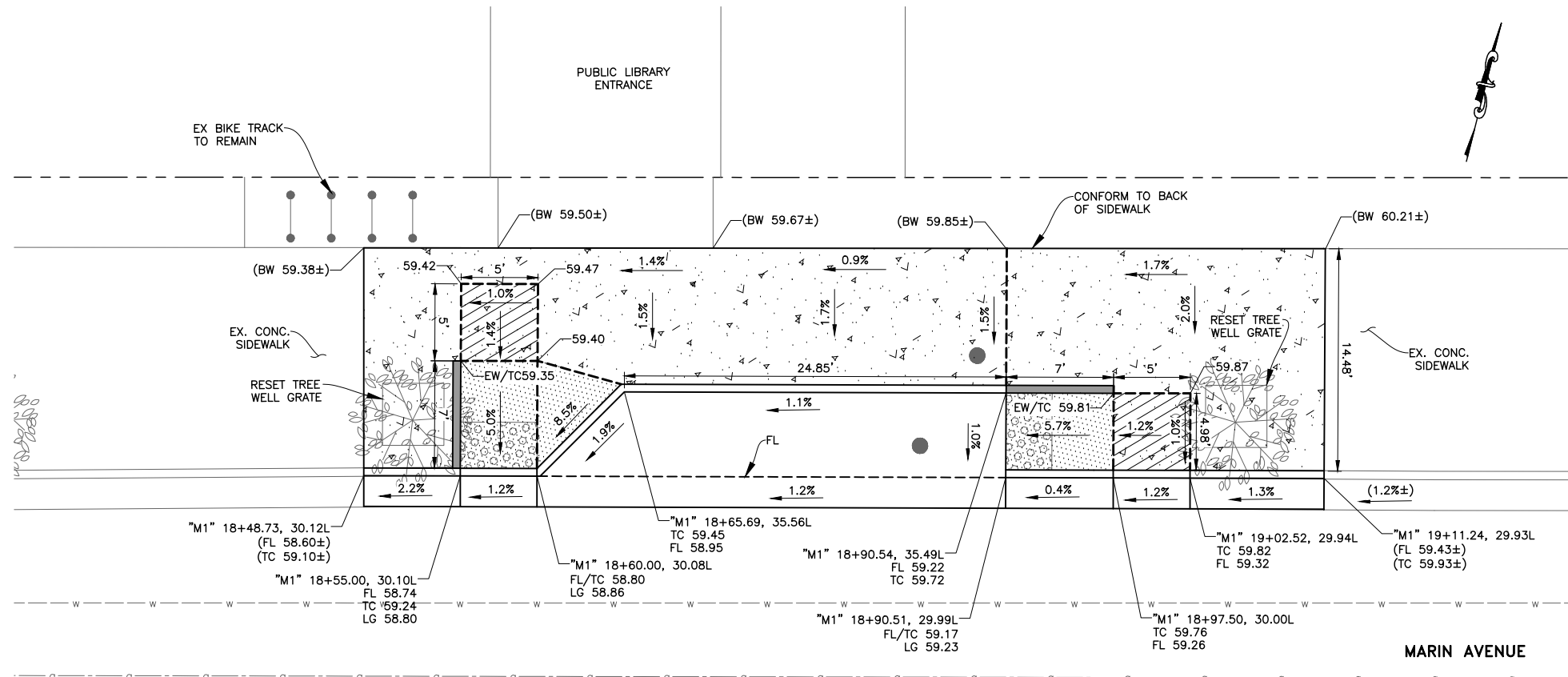
PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
CURB RAMP GRADING PLAN

LEGEND:

- PCC CURB & GUTTER
- PCC SIDEWALK
- PCC CURB RAMP
- DETECTABLE WARNING SURFACE
- GREEN INFRASTRUCTURE
- PCC RETAINING CURB
- PLANTER AREA (MULCH)
- REMOVE AND REPLACE 4" HMA
- FLAT SIDEWALK OR LANDING AREA, SLOPES SHALL BE 1.5% MAX AT ALL DIRECTIONS
- COBBLE STONE
- CITY RIGHT OF WAY
- GRADE BREAK
- (FL 100.15±) EXISTING SPOT ELEVATION, CONFORM UNLESS OTHERWISE NOTED.
- FL 100.15 PROPOSED SPOT ELEVATION
- (0.3%±) EXISTING SLOPE
- 1.5% PROPOSED SLOPE
- TYPE "A" INLET
- SD STORM DRAIN PIPE

CONSTRUCTION NOTES:

- FOR DRAINAGE IMPROVEMENTS, SEE STORM DRAIN PLANS ON SHEETS SD-1 TO SD-4.
- ALL UTILITY COVERS AND PULL BOXES, WITHIN IMPROVEMENTS SHALL BE ADJUSTED TO FINAL GRADE, UNLESS OTHERWISE NOTED.
- SEE CURB, GUTTER & SIDEWALK REPAIRS PER CITY STD DETAIL NO. ST 6.
- SEE LEGEND & NOTES FOR SIDEWALKS, DRIVEWAYS AND CURB & GUTTER PER CITY STD DETAIL NO. ST 8.
- SEE DETECTABLE WARNING SURFACE ORIENTATION AT CURB RETURN PER DETAIL 4 ON SHEET CD-1.



ACCESSIBLE PARKING DETAIL

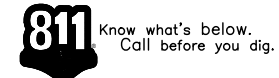


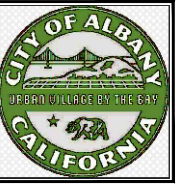
Submission / Revision:

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:
D-10
18 of 27

Title: 18+48.73-30.12L (FL 58.60±) TC 59.10± - 18+60.00-30.08L (FL 58.80±) TC 59.08L - 18+90.51-29.99L (FL 59.17±) TC 59.23L - 18+97.50-30.00L (FL 59.26±) TC 59.26L - 19+02.52-29.94L (FL 59.32±) TC 59.32L - 19+11.24-29.93L (FL 59.43±) TC 59.93±
 Date: 04/15/2022
 Project: 18+48.73-30.12L (FL 58.60±) TC 59.10± - 18+60.00-30.08L (FL 58.80±) TC 59.08L - 18+90.51-29.99L (FL 59.17±) TC 59.23L - 18+97.50-30.00L (FL 59.26±) TC 59.26L - 19+02.52-29.94L (FL 59.32±) TC 59.32L - 19+11.24-29.93L (FL 59.43±) TC 59.93±
 File: 18+48.73-30.12L (FL 58.60±) TC 59.10± - 18+60.00-30.08L (FL 58.80±) TC 59.08L - 18+90.51-29.99L (FL 59.17±) TC 59.23L - 18+97.50-30.00L (FL 59.26±) TC 59.26L - 19+02.52-29.94L (FL 59.32±) TC 59.32L - 19+11.24-29.93L (FL 59.43±) TC 59.93±





City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



Prepared by:
CSG CONSULTANTS
Employee - Owned

PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
STORM DRAIN IMPROVEMENT PLAN
MARIN AVE & TALBOT AVE INTERSECTION

Submittal / Revision:

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

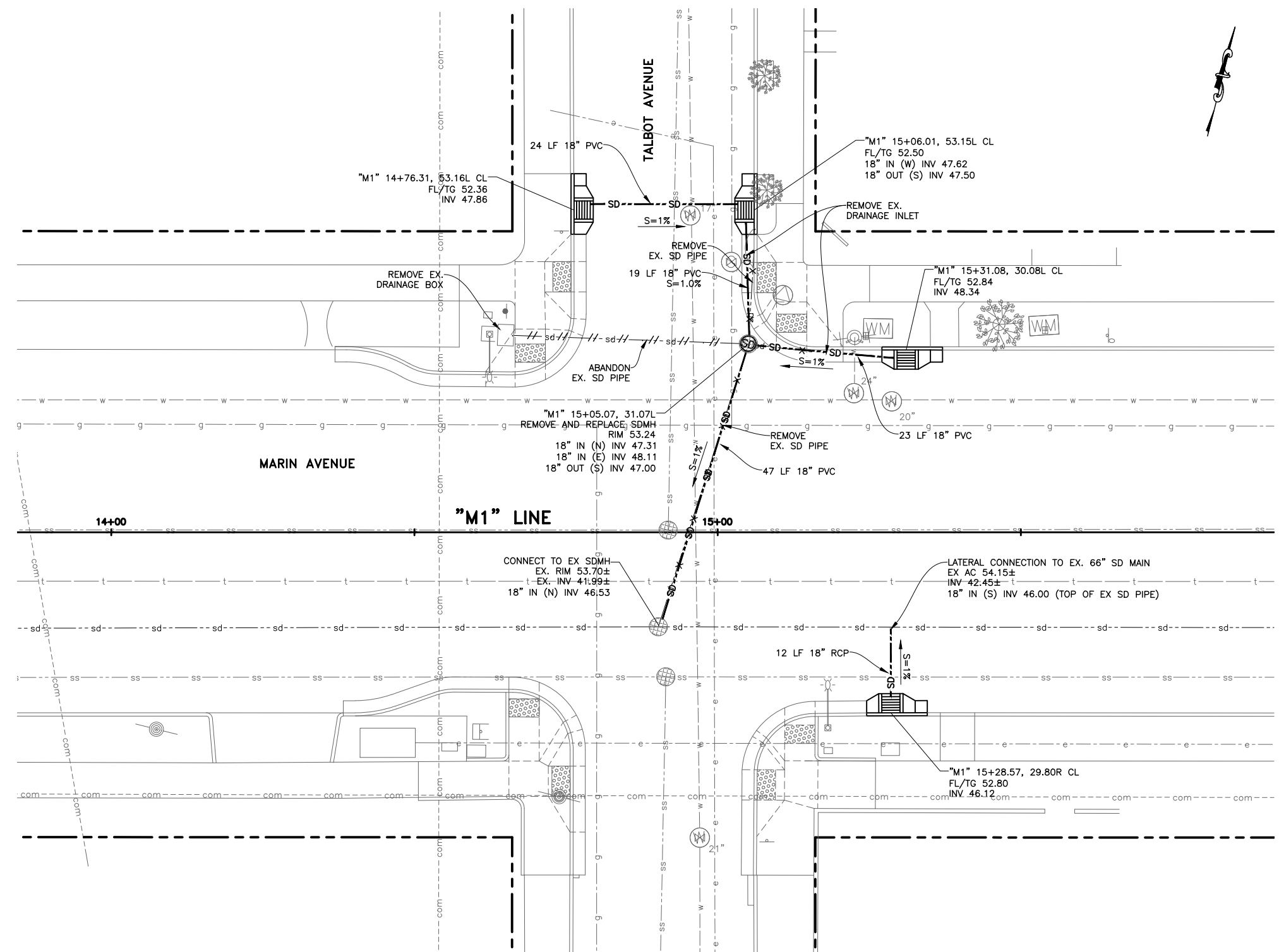
Sheet Number:
SD-1
19 of 27

LEGEND:

- SD- - - - STORM DRAIN PIPE (PVC OR RCP)
- ABANDON EXISTING STORM DRAIN PIPE
- ⊗ REMOVE EXISTING STORM RAIN PIPE
- ◻ EXISTING INLET
- ⊕ EXISTING MANHOLE
- ⊕ PROPOSED TYPE "A" INLET
- ⊕ SD PROPOSED STORM DRAIN MANHOLE
- ▨ BIO-RETENTION
- ▩ OVERFLOW INLET
- CLEANOUT
- ⊘ ENERGY DISSIPATOR
- - - PERFORATE PIPE

CONSTRUCTION NOTES:

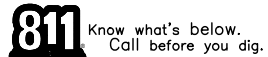
1. REMOVE AND REPLACE STORM DRAIN MANHOLE OR DRAINAGE STRUCTURE WITH PRECAST MANHOLE, TYPE 1 BASE, FRAME & COVER PER CITY STD DETAIL NO. SD 7.
2. SEE NEW PIPE TO EXISTING MANHOLE CONNECTION PER CITY STD DETAIL NO. SS 5.
3. SEE TYPICAL TRENCH SECTION DETAIL FOR PIPE INSTALLATION PER CITY STD DETAIL NO. SS 7.
4. POTHOLE TO VERIFY THE DEPTH OF EXISTING UTILITIES PRIOR TO START OF WORK.
5. ALL EXISTING DRAINAGE PIPE ALIGNMENT AND INVERT ELEVATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXISTING STORM DRAIN PIPE ALIGNMENT, MATERIAL SIZE, INVERT ELEVATIONS OF INLET AND MANHOLE PRIOR TO START OF CONSTRUCTION.

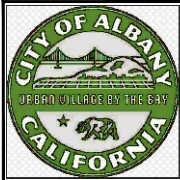


MARIN AVENUE & TALBOT AVENUE INTERSECTION
SCALE: 1"=10'



File: \\S:\Projects\City of Albany\Projects\2022\2022-23\Storm Drain\Plan\SD-1.dwg Plot Date: Apr 15, 2022 at 10:10 AM Plot Path: \\S:\Projects\City of Albany\Projects\2022\2022-23\Storm Drain\Plan\SD-1.dwg





City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543

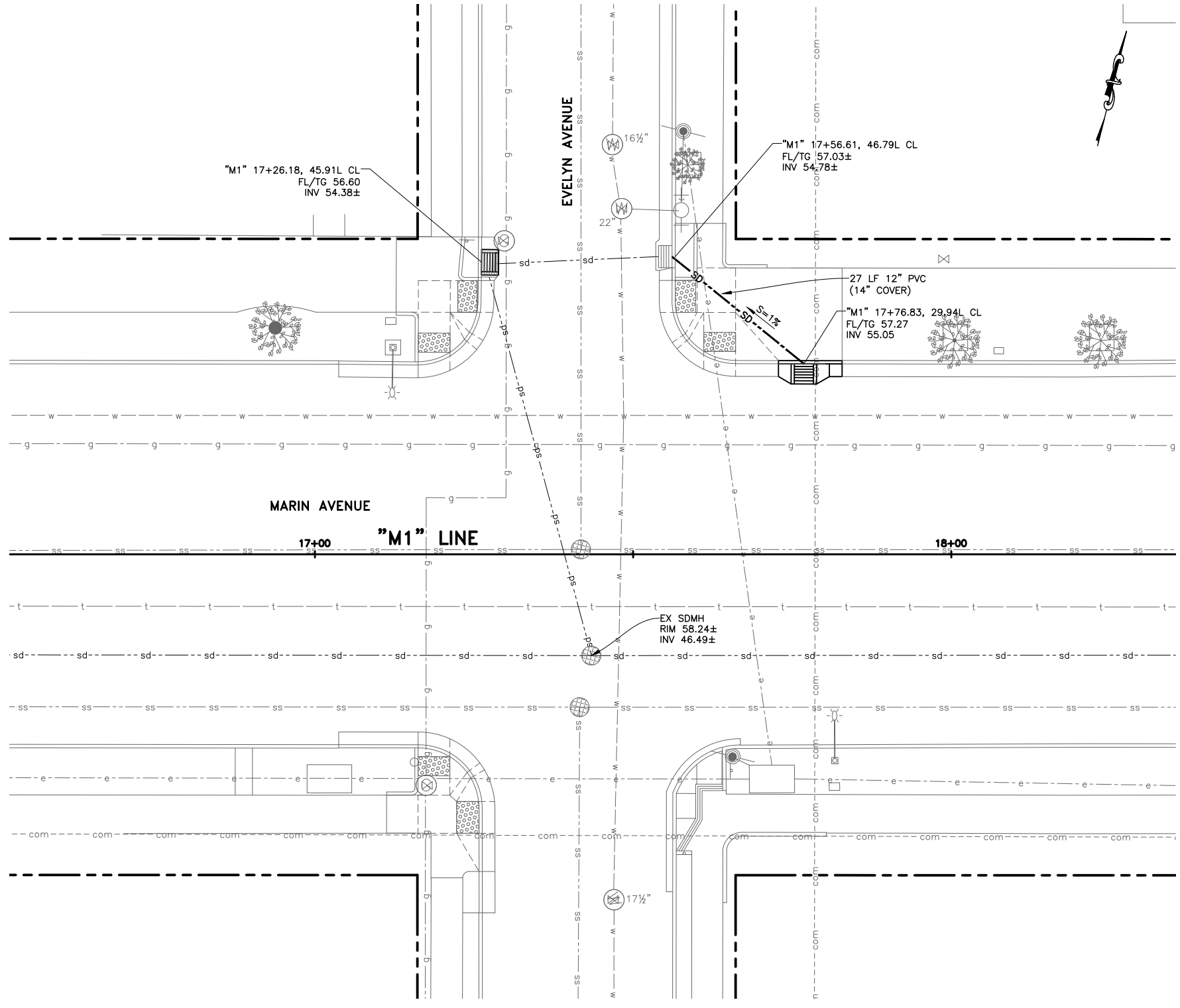


LEGEND:

- SD— Storm Drain Pipe (PVC OR RCP)
- Abandon Existing Storm Drain Pipe
- ✕✕✕ Remove Existing Storm Rain Pipe
- ⊕ Existing Inlet
- ⊕ Existing Manhole
- ⊕ Proposed Type "A" Inlet
- ⊕ Proposed Storm Drain Manhole
- ▨ Bio-Retention
- ⊕ Overflow Inlet
- Cleanout
- ⊕ Energy Dissipator
- - - Perforate Pipe

CONSTRUCTION NOTES:

1. REMOVE AND REPLACE STORM DRAIN MANHOLE OR DRAINAGE STRUCTURE WITH PRECAST MANHOLE, TYPE I BASE, FRAME & COVER PER CITY STD DETAIL NO. SD 7.
2. SEE NEW PIPE TO EXISTING MANHOLE CONNECTION PER CITY STD DETAIL NO. SS 5.
3. SEE TYPICAL TRENCH SECTION DETAIL FOR PIPE INSTALLATION PER CITY STD DETAIL NO. SS 7.
4. POTHOLE TO VERIFY THE DEPTH OF EXISTING UTILITIES PRIOR TO START OF WORK.
5. ALL EXISTING DRAINAGE PIPE ALIGNMENT AND INVERT ELEVATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXISTING STORM DRAIN PIPE ALIGNMENT, MATERIAL SIZE, INVERT ELEVATIONS OF INLET AND MANHOLE PRIOR TO START OF CONSTRUCTION.



MARIN AVENUE & EVELYN AVENUE INTERSECTION

SCALE: 1"=10'

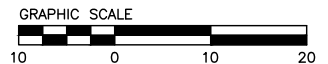
**PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
STORM DRAIN IMPROVEMENT PLAN
MARIN AVE & EVELYN AVE INTERSECTION**

Submittal / Revision:	

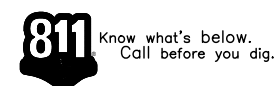
Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

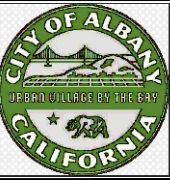
Sheet Number:

SD-2
20 of 27



Title: 4/15/2022 10:45 AM C:\Users\jgibson\OneDrive\Documents\Projects\17+26.18-45.91L CL\Drawings\SD-2.dwg
 Path: \\SERVER\Drawings\Projects\17+26.18-45.91L CL\Drawings\SD-2.dwg
 Plot Date: Apr 15, 2022 at 10:45 AM
 Plot Scale: 1"=10.0000
 Plot Size: 11.0000 x 17.0000
 Plot Orientation: Landscape
 Plot Style: Default.ctb
 Plot Device: HP DesignJet 5000 Series
 Plotter Driver: HP DesignJet 5000 Series
 Plotter Name: HP DesignJet 5000 Series





City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
STORM DRAIN IMPROVEMENT PLAN
MARIN AVE & MASONIC AVE INTERSECTION

Submittal / Revision:	

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

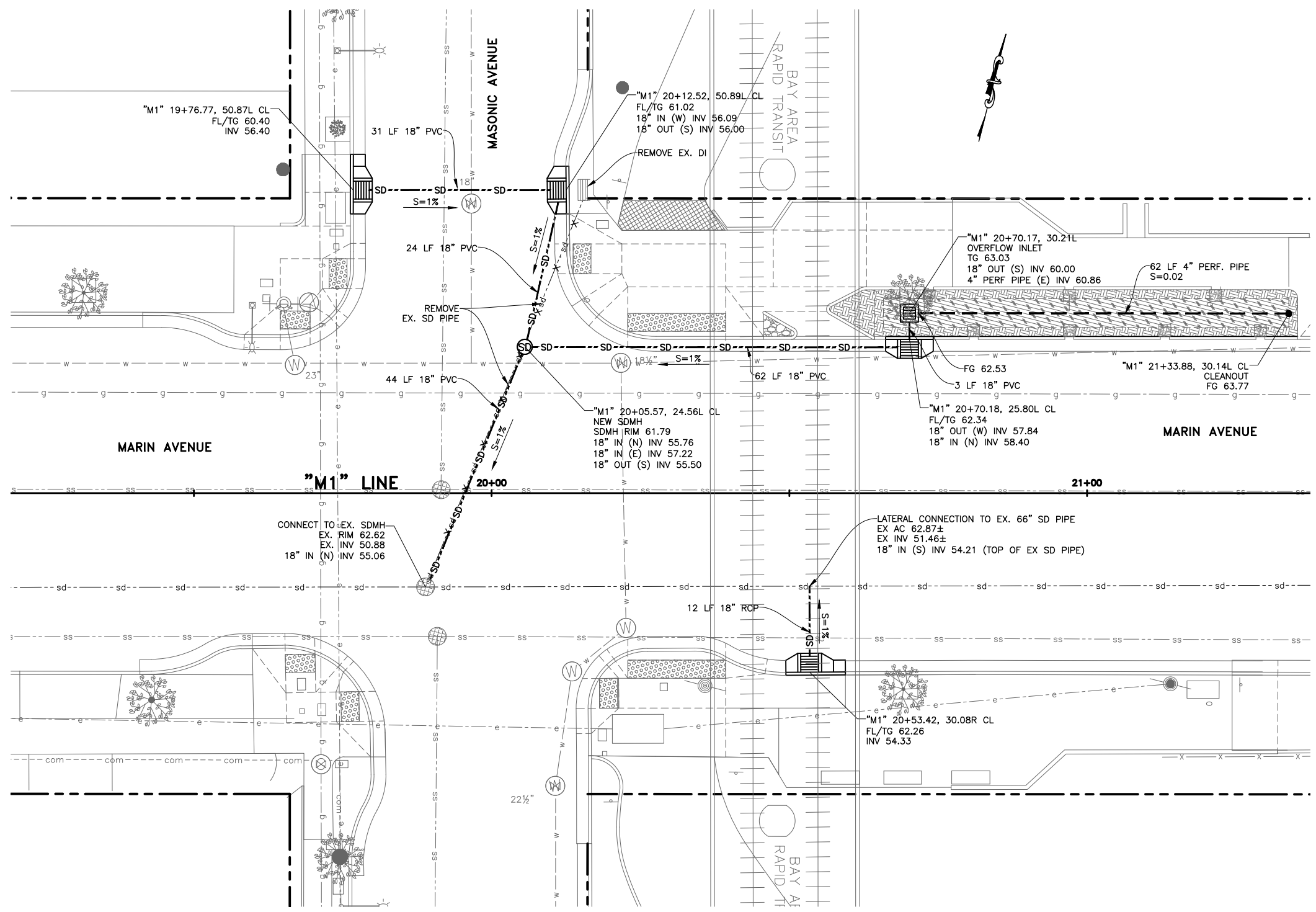
Sheet Number:
SD-3
21 of 27

LEGEND:

- SD— — SD STORM DRAIN PIPE (PVC OR RCP)
- - - - - ABANDON EXISTING STORM DRAIN PIPE
- ✕ - - - - ✕ REMOVE EXISTING STORM RAIN PIPE
- ⊕ EXISTING INLET
- ⊕ EXISTING MANHOLE
- ⊕ PROPOSED TYPE "A" INLET
- ⊕ PROPOSED STORM DRAIN MANHOLE
- ▨ BIO-RETENTION
- ▨ OVERFLOW INLET
- CLEANOUT
- ⊕ ENERGY DISSIPATOR
- - - - - PERFORATE PIPE

CONSTRUCTION NOTES:

1. REMOVE AND REPLACE STORM DRAIN MANHOLE OR DRAINAGE STRUCTURE WITH PRECAST MANHOLE, TYPE I BASE, FRAME & COVER PER CITY STD DETAIL NO. SD 7.
2. SEE NEW PIPE TO EXISTING MANHOLE CONNECTION PER CITY STD DETAIL NO. SS 5.
3. SEE TYPICAL TRENCH SECTION DETAIL FOR PIPE INSTALLATION PER CITY STD DETAIL NO. SS 7.
4. POT HOLE TO VERIFY THE DEPTH OF EXISTING UTILITIES PRIOR TO START OF WORK.
5. ALL EXISTING DRAINAGE PIPE ALIGNMENT AND INVERT ELEVATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXISTING STORM DRAIN PIPE ALIGNMENT, MATERIAL SIZE, INVERT ELEVATIONS OF INLET AND MANHOLE PRIOR TO START OF CONSTRUCTION.



MARIN AVENUE & MASONIC AVENUE INTERSECTION

SCALE: 1"=10'

Title: 811 Utility Detection - Albany - Phase 1 - Storm Drain Improvements - Intersection - Albany, CA
 Date: 04/15/2022
 Project: 2022-04-15-000000 - Storm Drain Improvements - Intersection - Albany, CA
 File: \\s01p01\shared\csm\al\811\811-SD-3-Storm Drain Improvements - Intersection - Albany, CA.dwg
 Plot Date: Apr 15, 2022 at 10:30

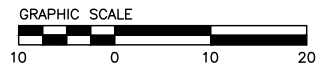
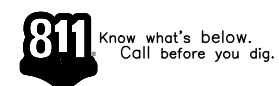
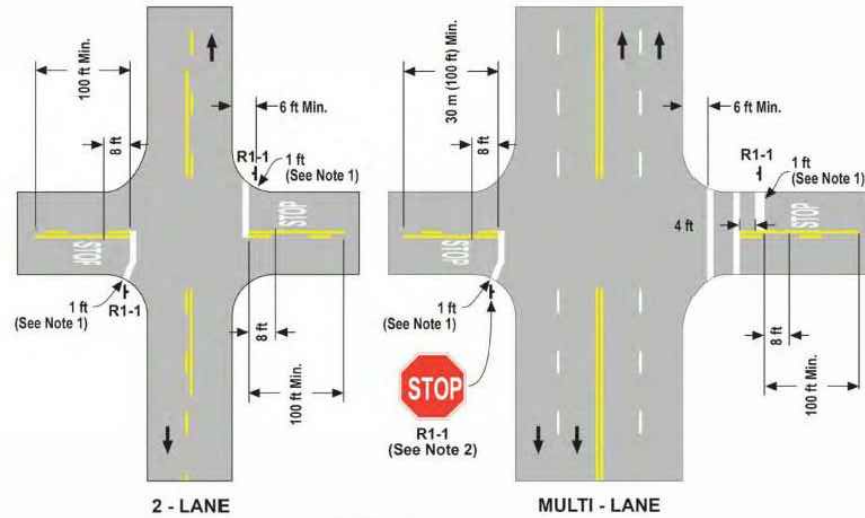
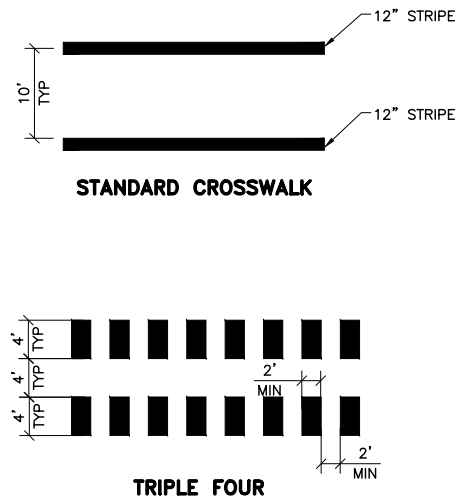


Figure 3B-103 (CA). Examples of Intersection Markings



LEGEND
 → Direction of Travel
 NOT TO SCALE

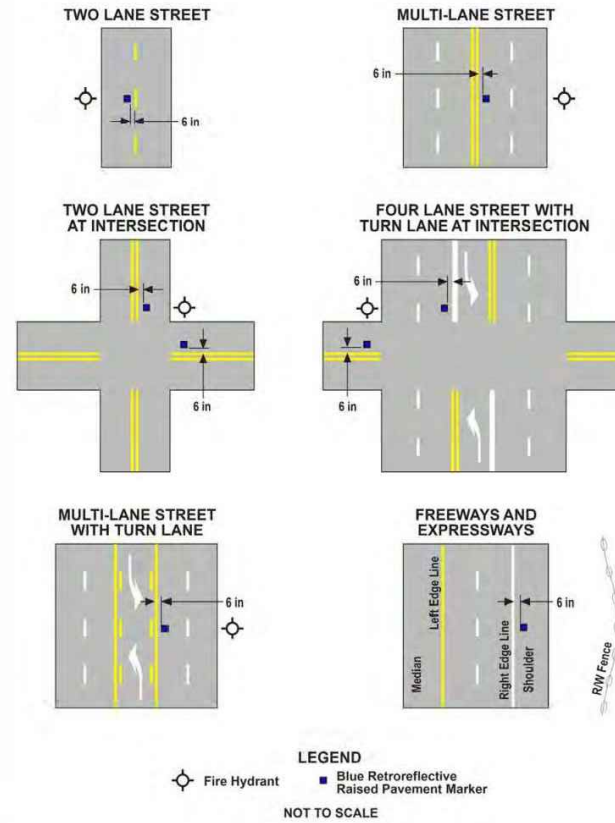
NOTES:

1. The Limit Line is optional, refer to Section 3B.16. The Limit Line on wide side roads on long radius corners may be bent at a 45± angle for traffic making a right turn.
2. When a Stop Ahead (W3-1) or STOP AHEAD (W3-1a) sign is used, a STOP AHEAD pavement marking may be placed to supplement the sign according to Section 3B.20.

1 TYPICAL CROSSWALK MARKINGS
 NO SCALE

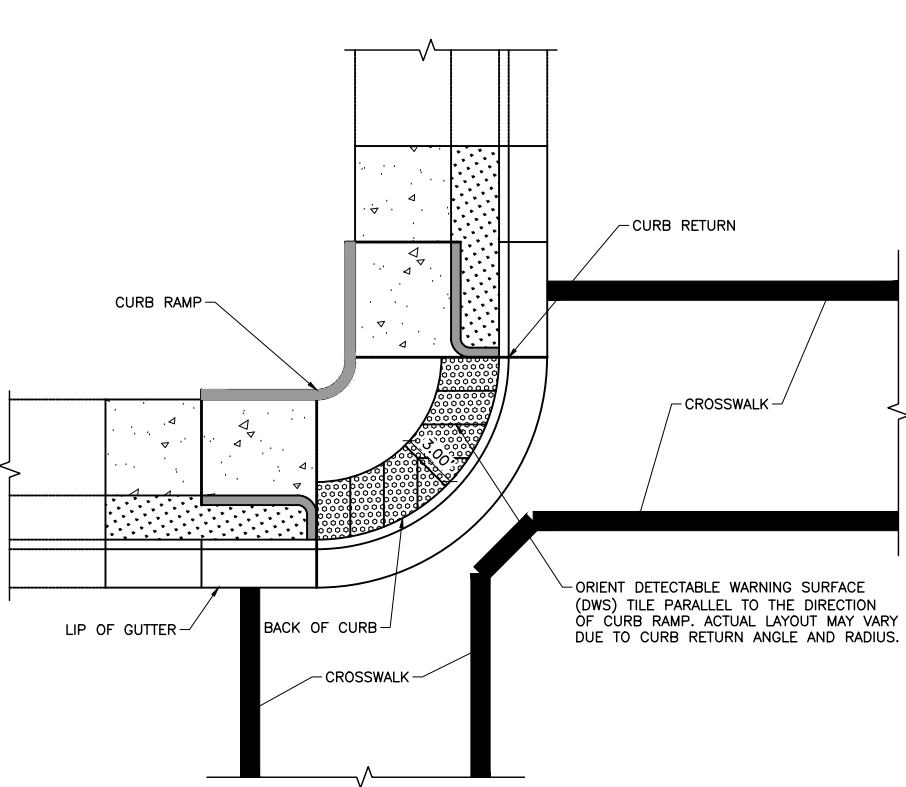
2 TYPICAL INTERSECTION MARKINGS
 NO SCALE

Figure 3B-102 (CA). Examples of Fire Hydrant Location Pavement Markers

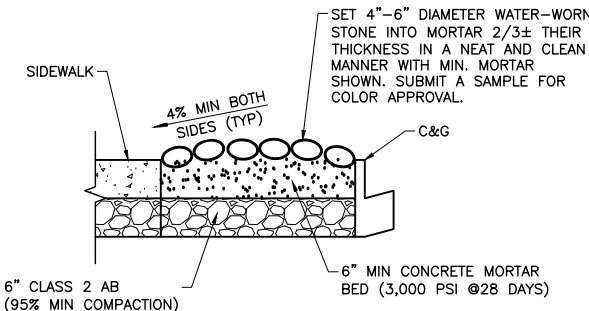


3 TYPICAL FH MARKER LOCATION
 NO SCALE

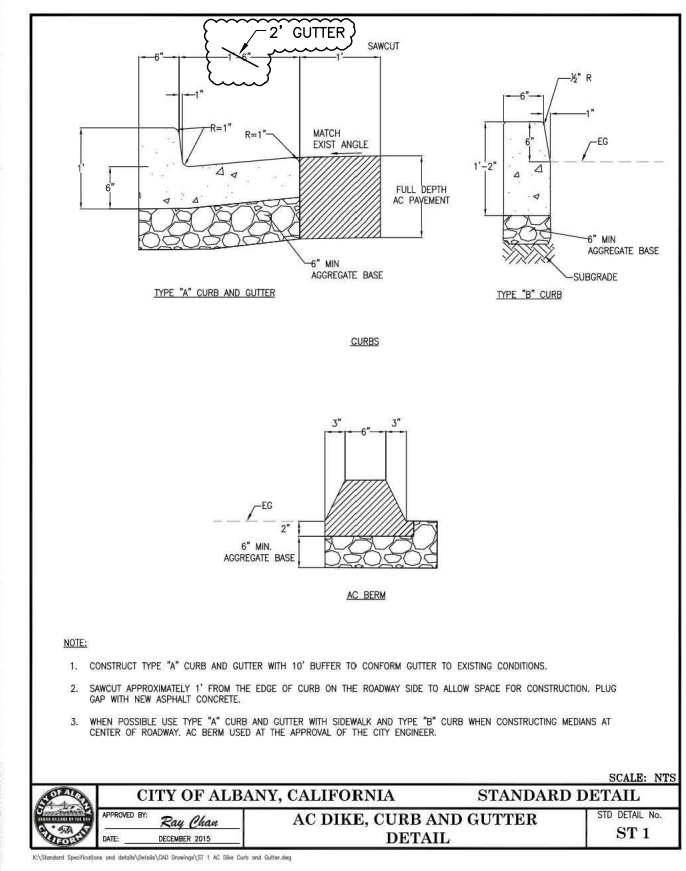
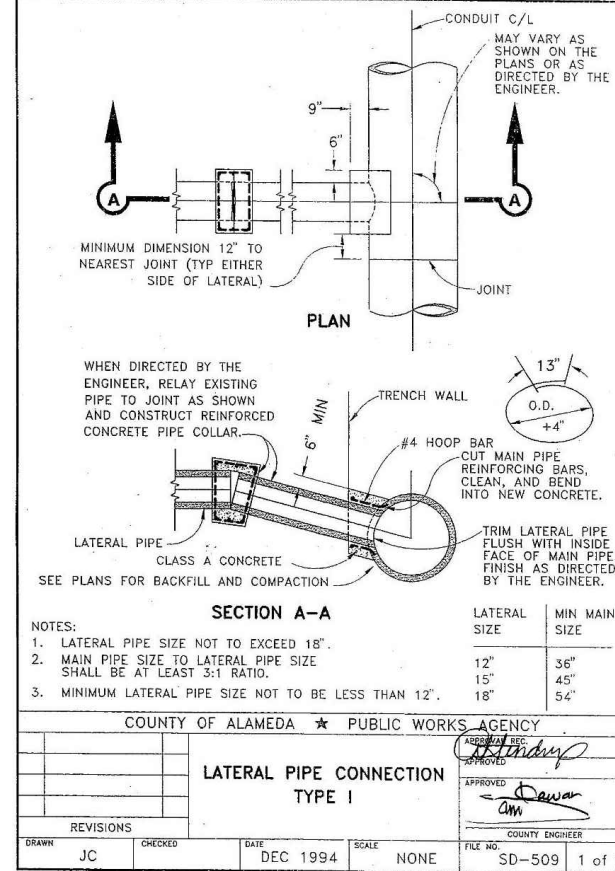
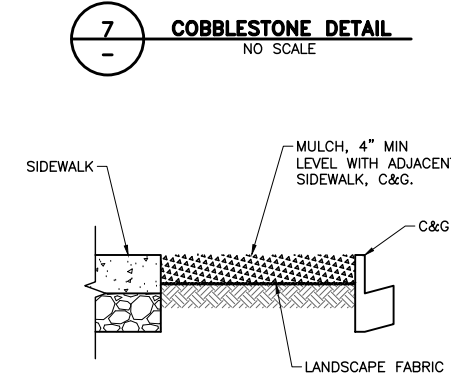
6 GREEN BIKE LANE DETAIL
 NO SCALE



5 DWS ORIENTATION AT CURB RETURN
 NO SCALE

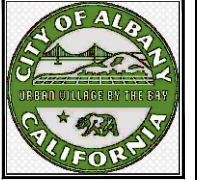


- NOTES:**
1. AFTER THE COBBLESTONE HAS BEEN SET INTO THE MORTAR, THE EXCESSIVE MORTAR IN BETWEEN THE JOINS OF THE COBBLESTONES SHALL BE CAREFULLY REMOVED AND RAKED IN A SMOOTH JOINT (NO PROTRUSION OF MORTAR WILL BE ALLOWED).
 2. CLEAN MORTAR FROM VISIBLE PORTIONS OF COBBLESTONES.



CITY OF ALBANY, CALIFORNIA
 STANDARD DETAIL
 AC DIKE, CURB AND GUTTER
 DETAIL
 ST 1

APPROVED BY: *Ray Chan*
 DATE: DECEMBER 2015



City of Albany
 Maintenance Center
 540 Cleveland Avenue
 Albany, CA 94706
 (510) 524-9543



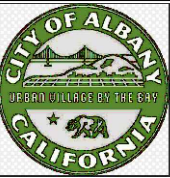
PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
CONSTRUCTION DETAILS

Submitted / Revision:

Designed By: DS/HA
 Drawn By: DS/HA
 Checked By: LL
 Date: 04/15/2022

Sheet Number:
CD-1
 24 of 27

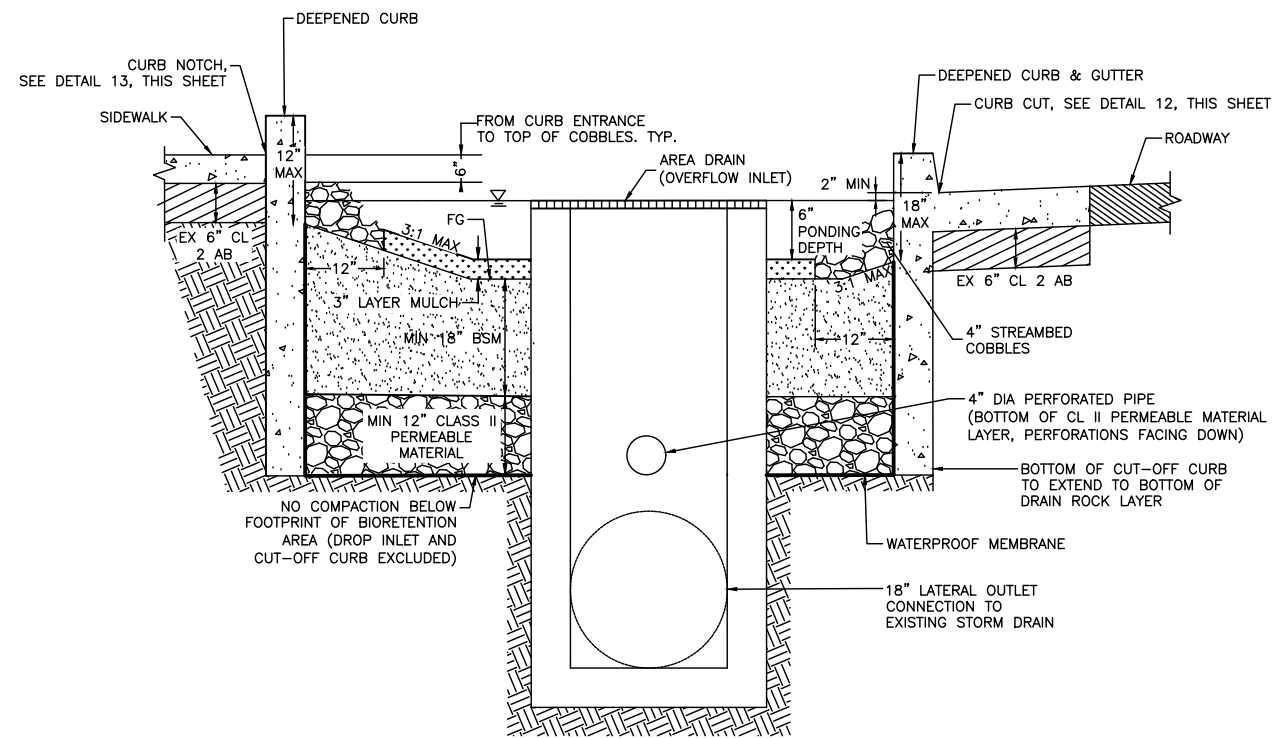
811 Know what's below. Call before you dig.



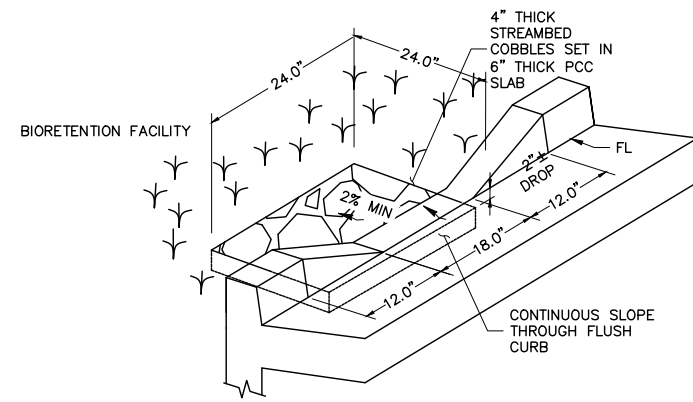
City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



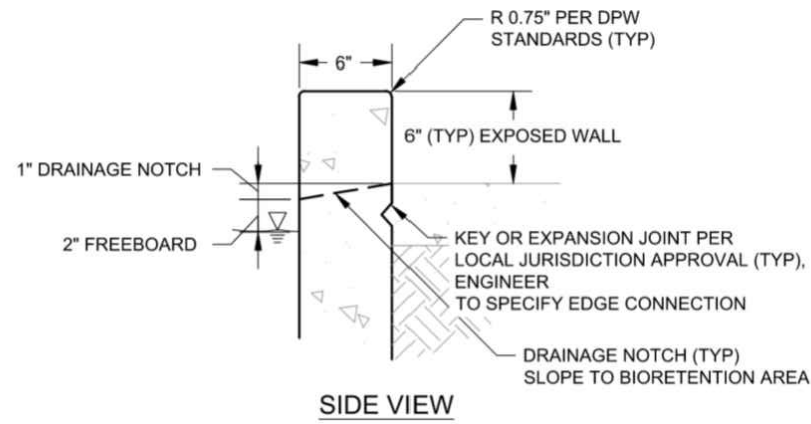
PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
CONSTRUCTION DETAILS



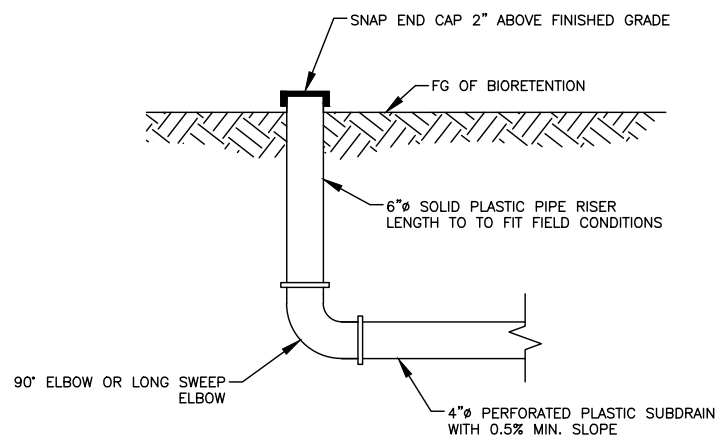
11 BIORETENTION AREA
NO SCALE



12 BIORETENTION BASIN CURB OPENING AND ENERGY DISSIPATOR
NO SCALE

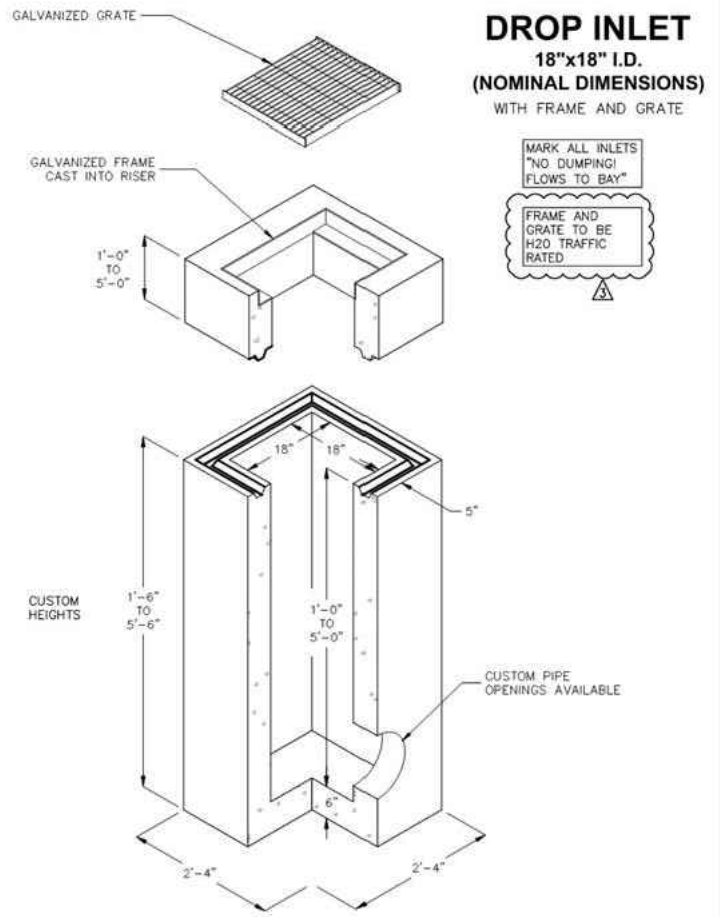


13 CURB DRAINAGE NOTCH
NO SCALE



14 CLEANOUT
NO SCALE

INSTALL TRASH CAPTURE DEVICE IN INLETS.
SEE TRASH CAPTURE DEVICES APPROVED BY THE SF REGIONAL WATER BOARD ([HTTPS://WWW.SFESTUARY.ORG/APPROVED-TRASH-CAPTURE-DEVICES/](https://www.sfestuary.org/approved-trash-capture-devices/)) OR THE CERTIFIED LIST FROM THE STATE WATER BOARD ([HTTPS://WWW.WATERBOARDS.CA.GOV/WATER_ISSUES/PROGRAMS/STORMWATER/DOCS/TRASH_IMPLEMENTATION/CERTIFIED_FCDEVICECLIST_16FEB2021.PDF](https://www.waterboards.ca.gov/water_issues/programs/stormwater/docs/trash_implementation/certified_fcdeviceclist_16feb2021.pdf))



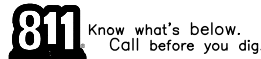
15 DROP INLET
NO SCALE

Submission / Revision:

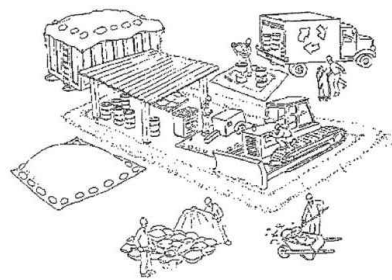
Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:
CD-2
25 of 27

811 Know what's below. Call before you dig. 811-444-4444



Pollution Prevention - It's Part of the Plan



Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution and damage to creeks and the San Francisco Bay. Construction activities can directly affect the health of creeks and the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines and the project specifications will ensure your compliance with County of Alameda requirements.

Materials storage & spill cleanup

Non-hazardous materials management

- Sand, dirt, and similar materials must be stored at least 10 feet (3 meters) from catch basins. All construction material must be covered with a tarp and contained with a perimeter control during wet weather or when rain is forecasted or when not actively being used within 14 days.
- Use (but don't overuse) reclaimed water for dust control as needed.
- Sweep or vacuum streets and other paved areas daily. Do not wash down streets or work areas with water!
- Recycle all asphalt, concrete, and aggregate base material from demolition activities. Comply with Alameda County Ordinances for recycling construction materials, wood, gyp board, pipe, etc.
- Check dumpsters regularly for leaks and to make sure they are not overfilled. Repair or replace leaking dumpsters promptly.
- Cover all dumpsters with a tarp at the end of every work day or during wet weather.

Hazardous materials management

- Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state, and federal regulations.
- Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecasted.
- Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecasted within 24 hours.
- Be sure to arrange for appropriate disposal of all hazardous wastes.

Spill prevention and control

- Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek!
- Dispose of all containment and cleanup materials properly.
- Report any hazardous materials spills immediately! Dial 911 or Alameda County Public Works Agency dispatch at (510) 670-5500

Construction Entrances and Perimeter

- Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking.

Vehicle and equipment maintenance & cleaning

- Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- If you must clean vehicles or equipment on site, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or creeks.
- Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.



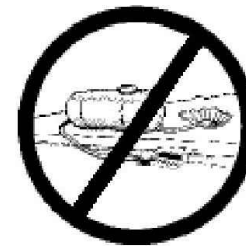
Earthwork & contaminated soils

- Keep excavated soil on the site where it will not collect in the street.
- Transfer to dump trucks should take place on the site, not in the street.
- Use fiber rolls, silt fences, or other control measures to minimize the flow of silt off the site.
- Earth moving activities are only allowed during dry weather by permit and as approved by the County Inspector in the Field.
- Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place fiber rolls down-slope until soil is secure.
- If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call the Engineer for help in determining what should be done, and manage disposal of contaminated soil according to their instructions.



Dewatering operations

- Effectively manage all run-on, all runoff within the site, and all runoff that discharges from the site. Run-on from off site shall be directed away from all disturbed areas or shall collectively be in compliance.
- Reuse water for dust control, irrigation, or another on-site purpose to the greatest extent possible.
- Be sure to notify and obtain approval from the Engineer before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the Engineer to determine what testing is required and how to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.

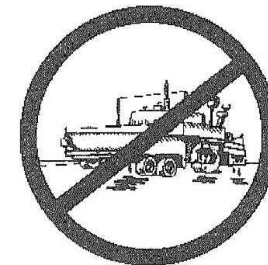


Saw cutting

- Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or sand/gravel bags to keep slurry out of the storm drain system.
- Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- If saw cut slurry enters a catch basin, clean it up immediately.

Paving/asphalt work

- Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- Protect gutters, ditches, and drainage courses with sand/gravel bags, or earthen berms.
- Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash.
- Do not use water to wash down fresh asphalt concrete pavement.



Concrete, grout, and mortar storage & waste disposal

- Store concrete, grout, and mortar under cover, on pallets, and away from drainage areas. These materials must never reach a storm drain.
- Wash out concrete equipment/trucks off-site or into contained washout areas that will not allow discharge of wash water onto the underlying soil or onto the surrounding areas.
- Collect the wash water from washing exposed aggregate concrete and remove it for appropriate disposal off site.



Painting

- Never rinse paint brushes or materials in a gutter or street!
- Paint out excess water-based paint before rinsing brushes, rollers, or containers in a sink.
- Paint out excess oil-based paint before cleaning brushes in thinner.
- Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste.

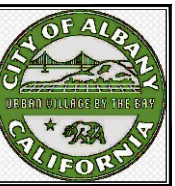


Landscape Materials

- Contain, cover, and store on pallets all stockpiled landscape materials (mulch, compost, fertilizers, etc.) during wet weather or when rain is forecasted or when not actively being used within 14 days.
- Discontinue the application of any erodible landscape material within 2 days of forecasted rain and during wet weather.

Storm drain polluters may be liable for fines of \$10,000 or more per day!

For references and more detailed information:
www.cleanwaterprogram.org
www.cabmphandbooks.com



City of Albany
 Maintenance Center
 540 Cleveland Avenue
 Albany, CA 94706
 (510) 524-9543



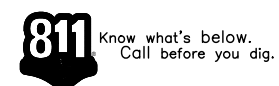
PAVEMENT AND CURB REHABILITATION PROJECT
 MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
 POLLUTION PREVENTION PLAN

Submittal / Revision:	
1	
2	
3	
4	
5	
6	
7	

Designed By: DS/HA
 Drawn By: DS/HA
 Checked By: LL
 Date: 04/15/2022

Sheet Number:
PP-1
 26 of 27

Title: PAVEMENT AND CURB REHABILITATION PROJECT PHASE 1 PAVING - CURB POLLUTION PREVENTION PLAN Rev. Date: Apr 15, 2022 at 10:11 AM
 Path: \\SERVER01\Shared\Projects\2022\04-15-2022\PAVEMENT AND CURB REHABILITATION PROJECT PHASE 1 PAVING - CURB POLLUTION PREVENTION PLAN-04-15-2022.dwg



STRIPINGS AND MARKINGS

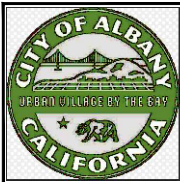
Traffic Stripes			
Item Description	Unit		Item Total
Detail 22	LF		178
Detail 27B	LF		2,213
Detail 29	LF		44
Detail 32	LF		426
Detail 38	LF		94
Detail 39	LF		1,453
Detail 39A	LF		1,265
4" Blue Line	LF		29
4" White Diagonal	LF		29
Traffic Stripes Total	LF		5,731

Pavement Markings				
Item Description	Unit	Unit Area	Qty	Item Total
Yellow Crosswalk (Triple 4)	SF	8	76	608
White Crosswalk (Triple 4)	SF	8	238	1,904
"Stop" Legend	SF	22	6	132
"Slow" Legend - Yellow	SF	23	3	69
"School" Legend - Yellow	SF	35	3	105
"Xing" Legend - Yellow	SF	21	3	63
Type IV Arrow	SF	15	15	225
Bike Lane Arrow	SF	4	10	35
Bike Lane with Person	SF	7	15	105
Green Bike Lane	SF	20	66	1,320
Limit Line	SF	1	181	181
Yield Line	SF	3	56	168
"No Parking" Legend- White	SF	2	1	2
Pavement Markings Total	SF			4,917

Painted Curbs			
Item Description	Unit		Item Total
Painted Red Curb	LF		719
Painted Blue Curb	LF		25
Painted Yellow Curb	LF		6
Painted White Curb	LF		13
Painted Curbs Total	LF		763

CONCRETE IMPROVEMENT

Curb Return (CR) No.	Intersection	Curb Return Corner	Ramp (EA)	Ramp Area (SF)	DWS (SF)	Sidewalk (SF)	C&G (LF)	Retaining Curb (LF)	4" Mulch (SF)	Cobblestone (SF)	Concrete Demolition (SF)	4" HMA (SF)	Bio-Retention (SF)
CR1	Marin Ave & Tablot Ave	NW	2	104	30	230	62		76		565		
CR2		NE	2	88	30	174	39		105		465		
CR3		SW	2	116	30	225	68	48	108		643		
CR4		SE	2	89	30	219	44	17			427		
CR5	Marin Ave & Evelyn Ave	NW	2	73	30	115	43	22	15		322		
CR6		NE	2	91	30	292	30	35	34		510		
CR7		SW	2	80	30	110	48	12	17		333		
CR8	Marin Ave & Masonic Ave	NW	2	83	30	353	55	15			581		
CR9		NE	2	265	65	824	88	57		12	1,350	80	
CR10		SW	2	115	30	260	76		72		637		
CR11		SE	2	120	65	454	66				739		
CR12		NW	2	175	30	240	46				530		
CR13	Marin Ave & Key Route Blvd	NE	2	118	30	403	56		183		844		
CR14		SW	1	323	60	97	52	26	0		563		
CR15		SE	2	160	30	434	59	0	256		998		
Accessible Parking	Marin Ave/Public Library	MID-BLOCK	2	89	30	601	63	14			855		
Bio-Retention	Between Masonic Ave and Key Route Blvd	North Side									591		591
Total			31	2,089	580	5,031	895	246	866	12	10,950	80	591



City of Albany
Maintenance Center
540 Cleveland Avenue
Albany, CA 94706
(510) 524-9543



PAVEMENT AND CURB REHABILITATION PROJECT
MARIN AVE PHASE 1 (FROM CORNELL AVE TO KEY ROUTE BLVD)
QUANTITY SHEET

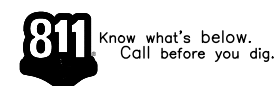
Submittal / Revision:

Designed By: DS/HA
Drawn By: DS/HA
Checked By: LL
Date: 04/15/2022

Sheet Number:
QTY-1
27 of 27

ALL QUANTITIES SHOWN ARE FOR REFERENCE ONLY. EXACT QUANTITIES SHALL BE APPROVED BY THE ENGINEER.

Title: 4/15/2022 4:42:45 PM C:\Users\jgarcia\OneDrive\Documents\Projects\2022\04-15-2022\04-15-2022\04-15-2022.dwg Plot Date: Apr 15, 2022 at 16:12





June 3, 2022

Via email to Allison Carrillo acarrillo@albanyca.org

Ms. Allison Carrillo, P.E.
CIP Program Manager
City of Albany – Public Works Department
540 Cleveland Avenue
Albany, CA 94710

Subject: Marin Avenue – Phase 1 Pavement and Curb Rehabilitation Project
McGuire Hester Change Order Review

Dear Ms. Carrillo:

Swinerton Management & Consulting (Swinerton) is pleased to provide our opinion of McGuire Hester's quote for the *Marin Avenue – Phase 1 Pavement and Curb Rehabilitation Project*. Per the City's request, Swinerton performed an independent review of the quote provided by the City on May 23, 2022. After our cursory review, Swinerton offers the following comments:

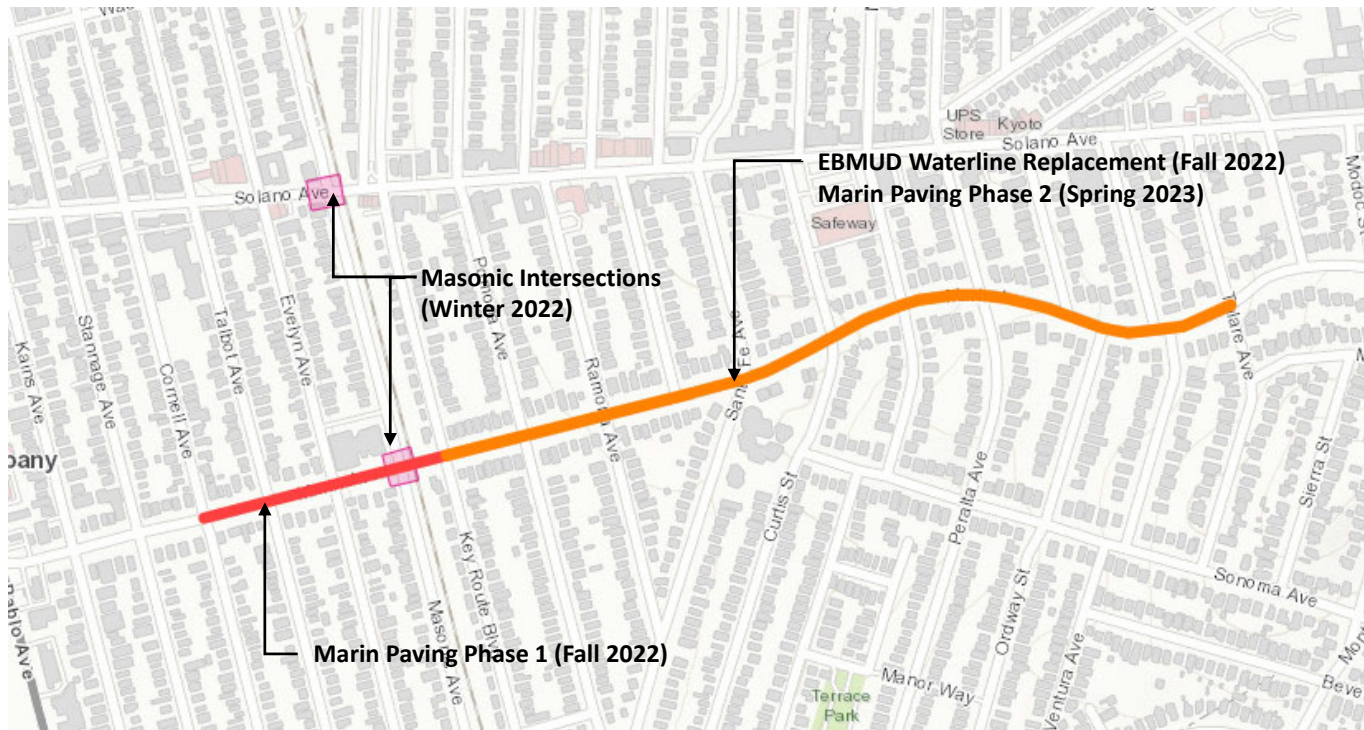
- The quote seems to be fair and reasonable given the scope of the work, project location, project conditions (relating to the public and City right-of-way), current economic conditions, material and supply chain challenges, and escalating construction materials costs.
- The scope of the work, size of the project, and complexity of the work was compared to similar projects completed in the East Bay in the past 1-2 years, and the overall pricing for the Marin Avenue Phase 1 project is in line with the other projects.
- The projects used in the comparison to the McGuire Hester quote were competitively bid public projects. Typically, change order pricing is higher than competitively bid pricing. With that said, the McGuire Hester quote seems to be in line with the expected pricing for the Marin Avenue Phase 1 project.

Overall, Swinerton believes the quote from McGuire Hester is comparable to costs of similar projects and seems reasonable.

If you have any questions or require additional information, please do not hesitate to call me at (925) 270-5636.

Very truly yours,

Bob Addiego, CCM, LEED® AP
Project Executive



Project Phasing

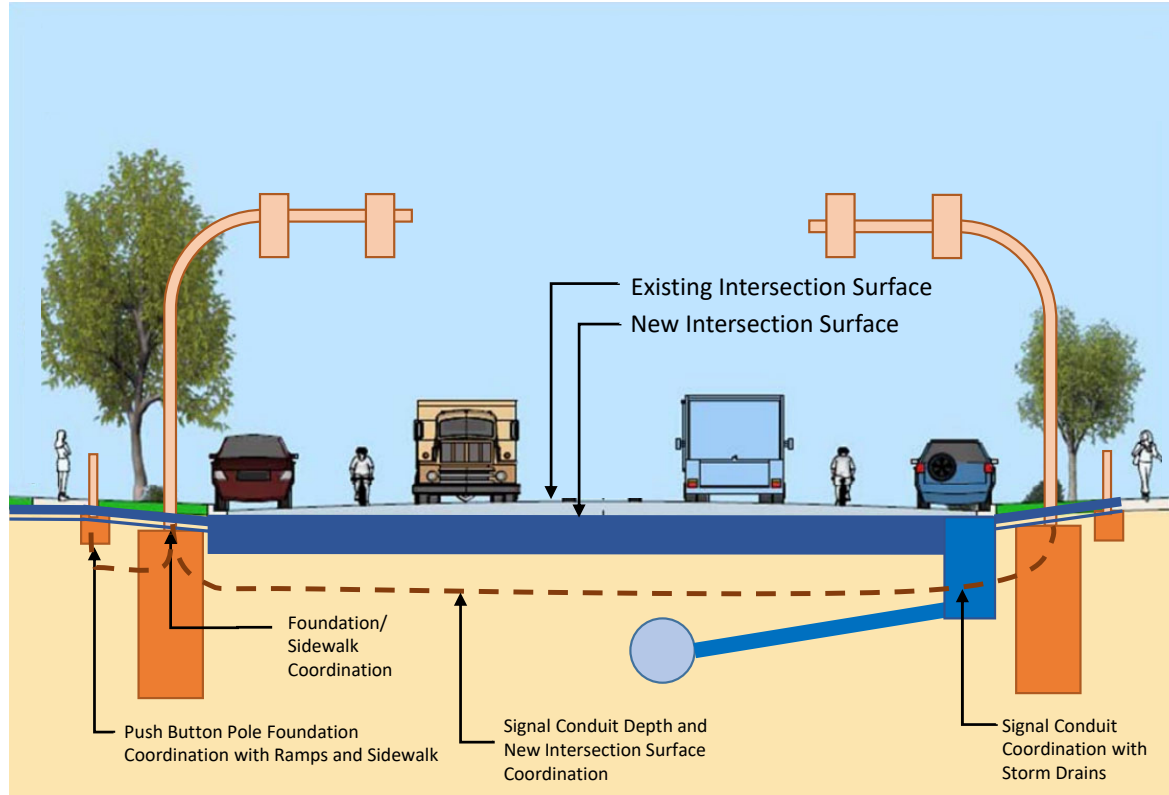
(Masonic Intersections Project & Marin Paving Project)

Inter-Project Coordination Diagram

(Masonic Intersections Project & Marin Paving Project)





Standard Construction Sequencing:

4. Poles & Signals
3. Sidewalk, Curb Ramps, Curb and Gutters
2. Pole Foundations & Conduits
1. Storm Lateral & Drains






Key & Color Coding

Marin Paving Project

-  Storm Lateral
-  Catch Basins Drains
-  Sidewalk
-  Pavement

Masonic Intersections Project

-  Signal Conduit
-  Pole Foundations
-  Poles

Section Cut - Project Coordination