

February 1, 2024

To: All Plan Holders

Subject: Fort Ord Regional Trail and Greenway (FORTAG) Canyon Del Rey Segment 1 ADDENDUM No. 3

Sent Via: Web Posting/Email

In the Bidding Documents in Bid Express, the following revisions are made:

1. Under Base Bid, the Unit of Measure for the following bid items are revised as follows:

ltem No.	Final Pay Item	ltem Code	Item Description	Unit of Measure	Estimated Quantity	Item Price
60		201001	Del Rey Oaks Signage	LS	1	\$
61		20100J	Butterfly Garden Signage	LS	1	\$

2. Under Base Bid, the Estimated Quantity for the following bid items are revised as follows:

ltem No.	Final Pay Item	ltem Code	Item Description	Unit of Measure	Estimated Quantity	Item Price
23		19010	Roadway Excavation	CY	15,350	\$
24		190102	Export Excavation	CY	0	\$
30		210610	Compost	CY	425	
34		202006	Soil Amendment	CY	0	
59		208690	Irrigation Sleeve	LF	358	
69		260203	Aggregate Bases (Class 2)	CY	2,114	\$
139	F	510060	Structural Concrete, Retaining & Seat Walls	СҮ	920	\$
140	F	511035	Retaining & Seat Wall Concrete Aesthetics	SQFT	7,430	\$
141	F	520103	Bar reinforcing Steel (Retaining & Seat Walls)	LB	137,050	\$
150		731514	Minor Concrete (Stamped Concrete)	CY	120	\$

3. Under Base Bid, Bid Item 189, Markers, is replaced in its entirety with the following bid item:

ltem No.	Final Pay Item	ltem Code	Item Description	Unit of Measure	Estimated Quantity	Item Price
189		600014	Remove retaining Wall	LF	214	\$

4. Under Base Bid, the following new bid items are added:

ltem No.	Final Pay Item	ltem Code	Item Description	Unit of Measure	Estimated Quantity	Item Price
200		803180	Relocate Chainlink Fence	LF	384	\$
201		803181A	Relocate Trash Receptacle and Concrete Pads	EA	1	\$

- 5. Under Additional Documents, the following documents are added:
 - a. LAPM Exhibit 9-I, DLA DBE Confirmation
 - b. LAPM Exhibit 12-B modified, Bidder's List of Subcontractors
 - c. LAPM Exhibit 15-G, Construction Contract DBE Commitment
 - d. 401 Permit CCRWQCB Cert 32723WQ11 R3 12-08-23
 - e. 404 Permit USACE NWP Verification Letter Spn-2023-00173 12-11-23
 - f. CDFW Streambed Alteration Agmt EPIMS-MON-39383-R4 Draft
- 6. Under Additional Documents, LAPM Exhibit 15-H, Proposer/Contractor Good Faith Efforts, is replaced in its entirety changing the DBE Goal to 22%:

In the Notice to Bidders and Special Provisions, the following revisions are made:

7. In the Notice to Bidders, the eighth paragraph is replaced in its entirety with the following changing the DBE goal and adding DEB form submittal information:

"The DBE Contract goal is twenty-two (22) percent. Submittal of DBE related forms (Exhibits 9-I, 15-G and 15-H) shall be as noted in Section 2-1.33, Bid Document Completion and Submittal. Submittal of Bidder's List of Subcontractors (Exhibit 12-G modified) shall be as noted in Section 2-1.12B(4), Bidder's List Submittal."

- 8. Under Copy of Bid Item List, the following revisions are made:
 - a. The Unit of Measure for the following bid items are revised as follows:

ltem No.	Final Pay Item	ltem Code	Item Description	Unit of Measure	Estimated Quantity	Item Price
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201		803181A	Relocate Trash Receptacle and Concrete Pads	EA	1	\$

9. Replace the following special provision:

Add to section 2-1.09:

The item total for plant establishment work must be at least \$25,000.

10. Add the following special provision:

Add section 2-1.12B(4):

2-1.12B(4) Bidder's List of Subcontractors

Submit the Bidder's List form (Exhibit 12-G modified) no later than 4 p.m. on the 5th day after bid opening. List yourself and each subcontractor (regardless of DBE status) that provided a quote or bid on this contract in accordance with 49 CFR 26.11.

- 11. Replace section 5-1.13E with the attached revised section 5-1.13E, Prompt Payment.
- 12. Replace the first sentence of the fourth paragraph of section 5-1.20(B)1 with the following sentence:

"The lump sum cost of \$40,000 is a placeholder for bidding purposes only and does not represent the actual cost of permit fees."

- 13. Replace section 6-1.04 with the attached revised section 6-1.04, Buy America:
- 14. Replace section 7-1.11B with the attached revised section 7-1.11B, FHWA-1273.
- 15. Replace section 12-3.11D with the following revised section 12-3.11D, payment:

Replace Section 12-3.11D with:

12-3.11D Payment

Payment for construction area signs shall include all required signs and the removal thereof between stages of work as shown in the authorized Traffic Control Plan specified in Section 12-4.02A(3)(a).

16. Add the following special provision:

Add to Section 12-4.02A(3)(a):

You must submit a Traffic Control Plan to the Engineer for review and authorization within 30 days of Contract award. Allow 20 days for review.

The Traffic Control Plan must show all stages of work and show all required traffic control system components and temporary traffic control devices including, but not limited to, traffic cones, portable delineators, channelizers, barricades, temporary barrier systems (including all anchors,) temporary crash cushions, temporary pedestrian access routes, and temporary pavement delineation.

The Traffic Control Plan must:

1. Describe the activities, processes, equipment, and materials that will be used to provide the traffic control system.

2. Show the locations of traffic flow and the placement of all required temporary traffic control devices for each stage of work

3. Include a time-scaled logic diagram displaying the sequence and duration of the planned activities for each stage of work

4. Be sealed and signed by an engineer who is registered as a civil engineer in the State

Authorization must be obtained prior to beginning any activity that will affect public traffic.

For work occurring within California Department of Transportation (Caltrans) right of way you must submit a Traffic Control Plan to the Engineer for review and approval by Caltrans for all phases of work that will occur within Caltrans right of way. Approval must be obtained prior to work beginning. Temporary barriers systems will be required for bridge construction.

17. Add the following special provision:

Add to Section 12-4.02D:

Payment for traffic control system includes all traffic control system components and temporary traffic control devices including, but not limited to, traffic cones, portable delineators, channelizers, barricades, temporary barrier systems (including all anchors,) temporary crash cushions, temporary pedestrian access routes and temporary pavement delineation, and the removal thereof between stages.

- 18. Replace section 20-5.06 with the attached revised section 20-5.06, Decorative Boulders:
- 19. Replace section 21-2.02K with the attached revised section 21-2.02K, Compost:

In the Project Plans, the following revisions are made:

	Sheet No.	Title	Description
1	G-014	Cross Sections	Section O modification
2	G-015	Cross Sections	Section Q modification
3	G-018	Cross Sections	Section BB modification
4	C-108	Improvement Plan and Profile-7	Note modification
5	C-109	Improvement Plan and Profile-8	Note modification
6	C-408	Curb Ramp Detail-1	Note modification
7	S-102	Structural Profile-2	Wall modification
8	S-103	Structural Profile-3	Cable railing modification
9	S-502	Standard Structural Details-Retaining Wall 1 of 2	Note modification
10	L-001	Landscape Amenity Notes & Legends	Note modification
11	L-002	Landscape Amenity Notes & Legends	Irrigation schedule modification
12	L-004	Landscape Planting Legend	Plant schedule modification
13	L-102	Landscape Amenity Plan	Reference Notes Schedule modification
14	L-104	Landscape Amenity Plan	Reference Notes Schedule modification
15	L-111	Landscape Irrigation Plan	Plan modification
16	L-112	Landscape Irrigation Plan	Plan modification
17	L-113	Landscape Irrigation Plan	Plan modification
18	L-114	Landscape Irrigation Plan	Plan modification
19	L-115	Landscape Irrigation Plan	Plan modification
20	L-121	Landscape Planting Plan	Plant schedule modification

20. Replace the following Plan Sheets with the attached Revised Plan Sheets:

21	L-123	Landscape Planting Plan	Plant schedule modification
22	L-124	Landscape Planting Plan	Plant schedule modification
23	L-125	Landscape Planting Plan	Plant schedule modification
24	L-501	Irrigation Details	Note modification
25	L-503	Irrigation Details	Note modification
26	L-504	Amenity Details	Detail modification
27	L-505	Amenity Details	Detail modification
28	L-508	Amenity Details	Detail modification

Clarifications – Bidder Questions and Responses

21. Question:

- 1) Item No. 83 (6" precast concrete pipe manhole) in the bid item list has a quantity of 0, is this accurate?
- 2) Is the 10% DBE contract goal just a good faith goal or is it a requirement?
- 3) How does demolition of existing concrete sidewalk get paid?
- 4) How does demolition of existing walls/retaining walls get paid?
- 5) How does demolition of existing street light foundations get paid?
- 6) Does Bid Item 69, Aggregate Base (Class 2), include all areas to receive baserock?
- 7) Please define limits of curb ramp pay item.
- 8) Can the last day for questions and bid date be extended?

Response:

- 1) Base Bid Item 83, 36" Precast Concrete Manhole has been removed and replaced with Remove Concrete (see Addendum No. 1, Items 2 and 6).
- 2) The DBE Goal has been changed to 22% (See Item 7 above). Bidders are required to either meet the DBE goal (as shown on Exhibit 15-G, Construction Contract DBE Commitment) or show how they made a good faith effort to meet the goal even if they did not succeed (as demonstrated with Exhibit 15-H, Proposer/Contractor Good Faith Efforts).
- 3) Demolition of existing concrete sidewalk is covered under current Bid Item 83, Remove Concrete.
- 4) Demolition of existing walls/retaining walls is paid under Bid Item 189, Remove Retaining Wall.
- 5) Demolition of existing street light foundations is paid under Bid Item 21, Remove and Salvage Existing Light pole.
- 6) Yes.
- 7) Curb ramps include ramps, level landings, adjacent curbs and curbs and gutters that deviate from standard details.
- 8) Addendum No. 1 extended the deadline for Bidder Inquiries to 2:00 p.m. on Tuesday, January 16, 2024.
- 22. **Question**: Will the owner please consider postponing the bid date two weeks due to the complexity of the project?

Response: Addendum 2 issued Monday, January 22, 2024, postponed the bid submission deadline

to 2:00 p.m. on Thursday, February 15, 2024.

23. Question: Sheets C-101 and C-117 show fire hydrant relocation. Where is this work paid?

Response: The two fire hydrants in question are to be relocated by CalAm and are therefore not a part of this bid.

24. **Question:** Sheet L-102 notes rock blanket in the DG area. Is this correct and can it be quantified if it is correct?

Response: Note 02-02 calling for Rock Blanket is an error and has been removed from the plan view and the Reference Notes Schedule.

25. **Question:** Please provide a detail for the 12" guidance strip noted in some of the curb ramp locations.

Response: The following note has been added to plan sheet C-408, Curb Ramp Detail - 1: 12" wide yellow detectable guidance strip. Vanguard GuideStrip or approved equal. Install per manufacturer recommendations.

26. **Question:** Sheet C-403 and L-506 show the seating steps at the butterfly garden. Where is this work paid?

Response: This work is paid under the following bid items: Bid Item 139, Structural Concrete, Retaining & Seat Walls, Bid Item 140, Retaining & Seat Wall Concrete Aesthetics, and Bid Item 141, Bar Reinforcing Steel (Retaining & Seat Walls).

27. Question: Sheet C-109 shows a flag pole to be relocated. Where is this paid?

Response: The note on plan sheet C-109 calling for the existing flag pole to be relocated has been changed to existing flag pole to remain. No additional compensation.

28. **Question:** Sheet C-108 shows a structure to be relocated. Please provide details for it and where it is paid.

Response: The callout on plan sheet C-108 has been revised to indicate the structures in question are trash receptacles and concrete pads. Bid Item 201, Relocate Trash Receptacle and Concrete Pads, has been added to the bid schedule.

29. Question: Sheet C-108 and C-109 show a fence to be relocated. Where is it paid?

Response: Bid Item 200, Relocate Chainlink Fence, has been added to the Bid Schedule.

30. **Question:** Sheets C-118 through C-121 show a retaining curb type 3 but the typical sections show retaining curb type 2. Which is correct?

Response: Type 3 is correct. Cross sections BB and CC on plan sheet G-018 have been revised to call out a Type 3 Retaining Curb.

31. **Question:** Sheet L-504 detail 6 for the seat wall notes to see the structural drawings for footing dimension, but the structural drawings do not appear to include the seat wall. Please provide the seat wall footing dimension.

Response: See revised Detail 6/L-504, Raised Planter - 18" Landscape Wall.

32. **Question:** It is difficult to determine the types of finishes required on the retaining and seat walls. Can better detail be provided as a call out for finishes and colors for the walls and concrete work for the project?

Response: The following Note 9 has been added to plan sheet S-502: For concrete wall color and formliners, refer to Landscape Amenities plans. For any walls not specified, finish shall be smooth concrete finish with anti-graffiti coating.

33. **Question:** Please provide details and specifications for the frog pond bridge and approaches noted on sheet C-404?

Response: The frog pond bridge shall be a "puncheon" bridge with edge rails per the California Department of Parks and Recreation Trail Handbook, Section 3, Trail Construction, Chapter 15.3, Timber Planking, Puncheon and Boardwalk Structures (<u>https://www.parks.ca.gov/?page_id=29674</u>)

34. **Question:** A new bus turnout is noted on sheet C-112 on Canyon Del Rey. Please provide details and confirm where it is to be paid.

Response: Bus stops on the north and south side of SR 218 near the new undercrossing are not currently in operation. No improvements other than what is shown on the plans will be required.

35. **Question:** All asphalt concrete is noted as 8" with a few exceptions. Does the 8" section apply to the intersections at Wilson, the bridge approaches, and Carlton?

Response: Yes, the 8" HMA section applies to all sawcut and replace sections except for the Del Rey Oaks Corporation Yard (See sheet C-111), and Carlton Drive / Work Avenue (See sheet C-113).

36. **Question**: Typical section "O" shows HMA against the retaining curb. Sheets C-110 and C-111 show aggregate base shoulder against the curb. Which is correct?

Response: A 2' AB trail shoulder is correct. See revised Cross Section O on plan sheet G-014.

37. **Question:** There is no sheet L-109 in the set. Is it to be included or is it just a numbering error? The plan sheet numbers are correct for the set.

Response: Correct, there is no sheet L-109. Amenity plans end on sheet L-108 and Irrigation Plans begin on sheet L-110 as noted in the sheet index on sheet G-001.

38. **Question:** Sheet D-107 keynote 8 is utilities, equipment, and structure to be relocated. The utility plans do not make it clear what this work is about. Please provide detail for it and where it is paid.

Response: Refer to utility plan sheets for utility relocation work and responsible party. The

contractor is responsible for Sanitary Sewer relocations and for adjusting utility covers and frames to grade. Electric, gas, communication and water relocations to be performed by the utility owner. The contractor is responsible for coordination with utility owners.

39. Question: Sheet D-107 keynote 16 is to relocate a shed. How is this paid?

Response: This work is included in Bid Item 22, Clearing and Grubbing.

40. **Question:** Is it possible to provide an engineer's summary of quantities for this project? Contractor's take-off for materials has significant discrepancies with many bid item quantities.

Response: A summary of quantities was not prepared for all aspects of the project. Any summary of quantities prepared are included in the project plans.

41. **Question:** Please provide the project CAD file for takeoff purposes.

Response: No CAD files for takeoff purposes are being provided.

42. **Question:** Can the numbered bid items from pages 9 through 14 of the Special Provisions please be added to the Bid Express submittal form? Right now there are only codes on the form.

Response: Item 1 of Addendum No. 1 added bid item numbers to the bid schedule.

43. **Question:** According to the bid item list, the duration for plant establishment is 90 days. Per specification section 2-1.09, the item total for plant establishment work must be at least \$40,000. IT seems to be so high for 90 days of plant establishment. Please advise.

Response: Special Provision Section 2-1.09 has been revised. See Item 9 above.

44. **Question:** Refer to Habitat Mitigation and Monitoring Plan - DRAFT, Attachment A (Mitigation Design Plans)/page 43 - 56, sheets L-103 and L-104 show planting works at riparian and wetland mitigation areas. Clarify if planting works at riparian and wetland mitigation areas is part of this project or not since it is not shown on the bid item list. If so, provide a bid item and advise the watering method for planting at these areas during plant establishment period.

Response: The mitigation planting work will be performed under a separate contract. The draft Habitat Mitigation and Monitoring Plan (HMMP) is included for reference only.

45. **Question:** Details 4 and 5 on sheet L-503 show that shrubs and trees pits to be backfilled with prepared backfill mix, as per specs. Please provide the material and ratio mix for plant pits backfilling.

Response: Details have been updated with backfill mix call out. See revised Details 4 and 5 on sheet L-503 and the response to Question 46 below.

46. **Question:** The item no. 34 on the bid items list shows 130 cy of soil amendment. However, no material and application ratios are provided. Please advise.

Response: References to soil amendment have been replaced with Compost. Special Provision Section 21-2.02K, Compost, has been added (see Item 19 above). The quantity for Bid Item 34, Soil Amendment, has been removed and its quantity has been added to Bid Item 30, Compost (see Items 2 and 8 above). See updated sheet L-503.

47. **Question:** Refer to details 4 and 6 on sheet L-504, provide a specification for imported topsoil at steel raised planters and landscape wall.

Response: Imported topsoil at steel raised planters and landscape wall shall be per Caltrans Standard Specifications 21.2.02C, Imported Topsoil.

48. **Question:** Referring to bid item list, Items #33 shows 80 each of decorative boulder. However, per section 20-5.06B, the diameter requirements table shows 50 each of boulder. Please clarify the quantity of boulder.

Response: Special Provision Section 20-5.06, Decorative Boulders, has been replaced in its entirety. See Item 18 above.

49. **Question:** Specification section 20-5.06B shows three sizes of boulder. However, on sheets L-001, L-101 through L-108, the boulder legend and symbol are not separated by each size. Please clarify the quantities of each size of the boulders.

Response: Boulder diameter and quantity shall be per revised Special Provision Section 20-5.06, Decorative Boulders. Place boulders as shown on the plans and details and as directed by the engineer.

50. **Question:** The planting schedule on sheet L-004 shows native temp. irrigated landscape upland. However, the landscape upland areas are irrigated with permanent irrigation system per irrigation plans. Confirm the temporary irrigation system is not required for this project.

Response: Correct, there is no temporary irrigation. Label on plant schedules has been updated, see revised sheets L-004, L-121, L-123, L-124 and L-125 (165, 182, 184, 185 and 186 of 195).

51. **Question:** Refer to sheets L-124 and L-125, it states match line - see sheets L-127 and L-126. However, sheets L-127 and L-126 are not provided. it seems to be sheets 125 and 124 respectively. Please advise.

Response: Match line call outs have been revised, see revised sheets L-124 and L-125 (185 and 186 of 195).

52. **Question:** Detail 2 on sheet L-501 shows 8" corrugated HDPE sleeve under vehicular paving and schedule 40 PVC under non-vehicular paving for mainline and lateral line. Confirm that only (1) each 8" sleeve shall be installed for all mainline and lateral lines at each location under paving. Otherwise, please advise.

Response: All sleeves under paving shall be 8" corrugated HDPE, see revised Detail 2/L-501. Yes, only (1) 8" sleeve is required for all mainline and lateral lines under paving locations.

53. **Question:** Refer to the bid items list, bid item #59 - Irrigation sleeve shows 200LF. However, general irrigation notes #3 on sheet L-002 shows that it is the contractor's responsibility for providing appropriate sleeving under all hardscape where it occurs. Per this requirement irrigation sleeves quantity will be significantly higher than the quantities shown on the bid item list. Please consider and advise.

Response: The irrigation plan sheets have been revised to show sleeves It is the contractor's responsibility to provide sleeves where required and to coordinate appropriate locations. Irrigation plans are diagrammatic only. The quantity for Bid Item 59, Irrigation Sleeves, and the quantity as shown on sheet L-002 have been revised.

54. **Question:** Detail 1 on sheet L-501 shows Rain bird ESP-LXD two-wire decoder controller with LXMM metal cabinet and LXMMPED metal pedestal. However, the irrigation schedule on sheet L-002 shows Hunter PED-SS-A2C-1200-M 12-station controller with ICD-100 decoder. Please clarify.

Response: Detail 1 on sheet L-501 has been revised to remove the reference to Rain Bird. The Irrigation Schedule is correct.

55. **Question:** Please provide more information or instructions for note#3, detail 5/L-501 (TWO WIRE CONTROL) where the note indicated 18/2=150' and 14/2=300'.

Response: See revised Note 3 on Detail 5/L501.

56. **Question:** According to plan sheets L-110 and L-112, it does appear that part of mainline is missing. please provide the missing part of mainline on sheet L-112.

Response: Viewport 3 on sheet L-112 has been revised to include mainline. Note below viewport 1A has been revised to include reference to Detail 2/L-110.

57. Question:

- Can you provide drawings or clarify existing drawings with respect to Right of Way or Temporary Construction Easements for the construction of the Retaining Wall footing excavations? Excavations for these footing, if open cut at a 1:1 slope, appear to fall outside the permanent property lines at several locations. If Temporary Easements have not been obtained, is the Owner expecting the Contractor to provide temporary shoring for all of these excavations? For example one is the house at the corner of Carlton Dr. and Hwy 218, and along the tennis courts and hwy 218. Please clarify.
- 2) Can you provide a detail for the Tooled Expansion Joint called out at 36" on center in Detail 3 on Sheet L-505 for the Seat Wall?
- 3) L-500 detail sheets show 18 in. landscape wall, where is that installed on the layout drawings, is there a bid item for it?
- 4) Supplemental item Resident Engineers Office, is there a location on the project for an office trailer, or will the contractor have to find a location offsite?

Response:

- 1) TCEs have been obtained for the project and are shown on project plans. Temporary shoring may be required for certain excavations.
- 2) Expansion joints have been changed to score joints, see revised Detail 3/L-505.

- 3) Note 03-09 has been added to Reference Sheet Notes on sheet L-001. Refer to sheet L-104 and Detail 6/L-504. The planter wall is located in the butterfly garden and is paid under retaining wall related bid items.
- 4) No yard is provided, see Question 5 of the Non-mandatory Pre-Bid Meeting Notes in Addendum No. 1

58. Question:

- 1) What is the flow rate of the existing sanitary sewer line to be relocated?
- 2) Will the proposed new water lines and gas lines be installed prior to or after the sanitary sewer relocation? Please clarify the sequence of work there.

Response:

- 1) Flow rate information is not available.
- 2) We anticipate utility relocations by others to be completed by the end of April 2024 (electric, gas, communication and water).
- 59. **Question:** Can you provide location of plans/details for foot bridge.

Response: For frog pond bridge information, see Question 33 above.

60. **Question:** polygon structure, can you provide what the structural members are made of and what size, or Manufacture Model.

Response: Polygon Monoslope structural members are all steel and the size of structural members will vary depending on the overall size of structure. Per detail 2/L-509, engineering, plans, and associated details are provided from manufacturer at time of order by contractor. Sizes are custom and will need to be coordinated with Polygon. (Link to Monoslope style https://poligon.com/products/limited-monoslope/)

61. **Question:** Electrical Drawings have discrepancy with Christy boxes. Sheet note 1 calls for providing Christy box B1017 for all boxes. However Detail 1 on E-501 note 13 says all pull boxes for lights to be B2436. Can you please clarify which Christy box is to be used?

Response: See Question 62 below.

62. **Question:** Please disregard previous question. Looks like the B2436s are for those with Note 4 only. thank you,

Response: No response required since the question is a statement regarding Question 61.

63. **Question:** Please provide a bid item description for item #31 - Incorporate Materials

Response: Contractor to review Caltrans Bid Item code 210630, Section 21 of the Standard Specifications and reference the Erosion Control tables located on sheet EC-101.

64. **Question:** Bid item #83 - 36" Precast Concrete Pipe Manhole, has an estimated quantity of 0. Please advise.

Response: Bid Item 83, 36" Precast Concrete Pipe Manhole, was replaced in its entirety with Addendum 1 Item 2.

65. **Question:** Bid item #177 & #189 appear to be duplicate items. Please advise.

Response: Bid Item 189, Markers, has been replaced in its entirety, see Item 3 above.

66. **Question:** Detail Q/G-015 refers to a Caltrans Slope Paving Detail on sheet C-504. The C sheets terminate at C-502. Please provide the referenced detail.

Response: Detail Q/G-015 has been revised to reference sheet C-502.

67. **Question:** Bid item 3 is temporary facilities and the spec. section says it is for Engineers office, Supplemental work item 1 description is Resident Engineers office? Please clarify how each item is to be bid?

Response: Resident Engineer's Office is to be paid under Bid Item 198, Resident Engineer's Office, while all other temporary facilities are to be paid under Bid Item 3, Temporary Facilities.

68. **Question:** A slide in the pre-bid meeting presentation (addendum #1) states that no night work is allowed in Del Rey. However, traffic chart K-2 shows that traffic control may go down to a single lane with reversing control from 9:00pm - 6:00am Mon-Thurs. This implies that work is allowed in Del Rey at night. Will implementing chart K-2 for night work be allowed for erecting the precast void slabs?

Response: In order to facilitate the shifting of traffic for the bridge construction and erecting the precast void slabs, night work will be required. Outside of that work, no nightwork will be allowed in Del Rey Oaks, unless approved by the Engineer.

69. Question:

- 1) Storm drain 6 in and smaller on sheet 70 has not elevations. Please provide rim and invert grades for all of it running back under hwy 218.
- 2) When will we receive design grades for sheets mentioned in previous bidder inquiry. Hopefully you post pone the bid date so we can finish our earthwork take off, and estimate that portion of work.

Response:

- 1) Rim elevations are to match trail finish grades provided on C-111 and the 6-inch pipe shall be sloped at 1% min.
- 2) See response immediately above (rim elevations and pipe slope). Addendum 2 issued Monday, January 22, 2024, postponed the bid submission deadline to 2:00 p.m. on Thursday, February 15, 2024.
- 70. **Question:** Can you provide a trench backfill detail for the storm drain 6 in and smaller. Seems that it may be some kind of French drain, cannot find detail.

Response: Refer to Caltrans Standard Plan A62D for storm drain excavation and backfill requirements.

71. Question:

- 1) Is there a traffic control item for the base bid items or did I miss it? We see one for the supplemental work bid items, how do we bid that, what is it for?
- 2) Did not see a bid item for K rail or crash cushions for work at the bridge? Where does contractor get paid for that work?

Response:

- 1) Item 3 of Addendum 1 added Bid Item 199, Traffic Control, to the base bid and Item 4 removed the Supplemental Work items from the bid.
- 2) Paid under Bid Item 199, Traffic Control.

72. Question: Please provide construction details for Item 195 - Foot Bridge (Frog Pond), thank you.

Response: For frog pond bridge information, see Question 33 above.

Acknowledge this addendum and any others in your bid.

An electronic bidding process has been adopted for this solicitation. A link to the electronic bidding system website is posted at <u>http://www.tamcmonterey.org/agency-info/bids-proposals/</u>. Paper bids will not be accepted. Electronic bids must be submitted through the electronic bid system and will be received until 2:00 pm PST, Thursday, February 15, 2024.

Sincerely,

Laurie Williamson

Laurie A. Williamson, PE, Senior Engineer Transportation Agency for Monterey County 55-B Plaza Circle, Salinas, CA 93901

Attachments:

1. LAPM Exhibit 9-I, DLA DBE Confirmation

- 2. LAPM Exhibit 12-B modified, Bidder's List of Subcontractors
- 3. LAPM Exhibit 15-G, Construction Contract DBE Commitment
- 4. LAPM Exhibit 15-H, Proposer/Contractor Good Faith Efforts
- 5. 401 Permit CCRWQCB Cert 32723WQ11 R3 12-08-23
- 6. 404 Permit USACE NWP Verification Letter Spn-2023-00173 12-11-23
- 7. CDFW Streambed Alteration Agmt EPIMS-MON-39383-R4 Draft
- 8. Revised Special Provision Section 5-1.13E, Prompt Payment
- 9. Revised Special Provision Section 6-1.04, Buy America
- 10. Revised Special Provision Section 7-1.11B, FHWA-1273
- 11. Revised Special Provision Section 20-5.06, Decorative Boulders
- 12. Revised Special Provision Section 21-2.02K, Compost
- 13. Revised Plan Sheets: G-014, G-015, G-018, C-108, C-109, C-408, S-102, S-103, S-

502, L-001, L-002, L-004, L-102, L-104, L-111 through L-115, L-121, L-123, L-124, L-125,

L-501, L-503, L-504, L-505, L-508 (28 sheets total)

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION **DLA DBE CONFIRMATION**

DOT LAPM 9-I (NEW 01/2023)

FEDERAL PROJECT NUMBER

ATPSB1L-6143(088), Fort Ord Regional Trail and Greenway (FORTAG) Canyon Del Rey Segment 1

NAME OF DBE BUSINESS

NAME OF DBE REPRESENTATIVE

DBE CERTIFICATION NUMBER

NAME OF BIDDER

NAME OF PRIME CONTRACTOR IF DIFFERENT FROM THE BIDDER

NAME OF REPRESENTATIVE OF PRIME CONTRACTOR

DATE

Bid Item Number	Item of work and description of services to be subcontrac	ted or materials to be provided ¹	Amount (\$)
¹ If 100% of an item is not to portion of the item to be per	o be performed or furnished by the DBE, describe the exact formed or furnished.	Total	
	n as a written confirmation or use an equivalent form. Written tted no later than 4 pm on the 5 th day of bid opening.	enterprise, I confirm if the bidder is will enter into a contractual agr	a certified disadvantaged business awarded the contract, my business sement with the bidder or prime d dollar amount of work shown on
		I certify under penalty of perjury that	t the foregoing is true and correct.
		Signature of DBE's Authorized Re	epresentative
		Printed Name of DBE's Authorize	d Representative
		Title of DBE's Authorized Repres	entative
		Date	

LAPM EXHIBIT 12-B: BIDDER'S LIST OF SUBCONTRACTORS Fort Ord Trail and Greenway (FORTAG) Canyon Del Rey Segment 1 Federal Aid Project No. ATPSB1L-6143(088)

In accordance with 49 CFR 26.11 the bidder shall list itself and all subcontractors (both DBE and non-DBE) who provided a quote or bid on the project regardless of whether the firm was selected by the bidder to participate as a subcontractor.

Firm Name/ Address/	-	Annual Gross Certified DBE?	
City, State, ZIP	(years)	Receipts	
Prime Contractor Name		<pre>< \$1 million</pre>	YES
		< \$5 million	NO
Address		<pre>< \$10 million</pre>	If YES list DBE ID #:
		<pre>< \$15 million</pre>	
City State ZIP		> \$15 million	
Subcontractor Name		< \$1 million	YES
		< \$5 million	
Address		< \$10 million	If YES list DBE ID #:
City State ZIP		< \$15 million	-
City State ZiP		> \$15 million	
Subcontractor Name		< \$1 million	YES
		\$5 million	□ NO
Address		<pre>\$10 million</pre>	If YES list DBE ID #:
		< \$15 million	
City State ZIP		> \$15 million	
Subcontractor Name		< \$1 million	YES
		< \$5 million	
Address		< \$10 million	If YES list DBE ID #:
		< \$15 million	· · · · · · · · · · · · · · · · · · ·
City State ZIP		> \$15 million	
Subcontractor Name		< \$1 million	YES
		< \$5 million	NO
Address		< \$10 million	If YES list DBE ID #:
		< \$15 million	
City State ZIP		> \$15 million	
Subcontractor Name		< \$1 million	YES
		<pre>\$5 million</pre>	NO NO
Address		< \$10 million	If YES list DBE ID #:
		< \$15 million	
City State ZIP		> \$15 million	
Subcontractor Name		<pre>\$1 million</pre>	YES
		<pre>< \$1 million</pre>	
Address		< \$10 million	If YES list DBE ID #:
		< \$15 million	,
City State ZIP		> \$15 million	1
Subcontractor Name		<pre>< \$1 million</pre>	YES
		< \$5 million	NO
Address		< \$10 million	If YES list DBE ID #:
		< \$15 million	4
City State ZIP		> \$15 million	1

Subcontractor Namo			
Subcontractor Name		<pre>\$1 million </pre> <pre>\$5 million</pre>	YES NO
Address	1	< \$10 million	If YES list DBE ID #:
		< \$15 million	.,
City State ZIP	1	> \$15 million	
Subcontractor Name		<pre>\$1 million</pre>	YES
		< \$5 million	□ NO
Address		< \$10 million	If YES list DBE ID #:
	1	< \$15 million	
City State ZIP		> \$15 million	
Subcontractor Name		< \$1 million	YES
		< \$5 million	□ NO
Address	1	< \$10 million	If YES list DBE ID #:
		< \$15 million	
City State ZIP		> \$15 million	
Subcontractor Name		< \$1 million	YES
		< \$5 million	NO
Address	1	< \$10 million	If YES list DBE ID #:
		< \$15 million	
City State ZIP		> \$15 million	
Subcontractor Name			
Subcontractor Name		< \$1 million < \$5 million	
Address	4	< \$10 million	If YES list DBE ID #:
		< \$15 million	IJ TES IIST DDE ID #.
City State ZIP	4	> \$15 million	
Subcontractor Name		< \$1 million	YES
	1	< \$5 million	□ NO
Address		<pre>\$10 million</pre>	If YES list DBE ID #:
	-	< \$15 million	
City State ZIP		> \$15 million	
Subcontractor Name		<pre>\$1 million</pre>	YES
		< \$5 million	NO
Address		< \$10 million	If YES list DBE ID #:
	ļ	< \$15 million	
City State ZIP		> \$15 million	
Subcontractor Name		< \$1 million	YES
		< \$5 million	NO
Address		< \$10 million	If YES list DBE ID #:
	1	< \$15 million	
City State ZIP		> \$15 million	
Subcontractor Name		<pre>\$1 million</pre>	YES
		<pre>< \$5 million</pre>	NO
Address		<pre>\$10 million</pre>	If YES list DBE ID #:
		< \$15 million	
City State ZIP		> \$15 million	

Exhibit 15-G: Construction Contract DBE Commitment

Transportation Agency for Monterey County 2. Contract DBE Goal: 22% 1. Local Agency:

Fort Ord Regional Trail and Greenway (FORTAG) Canyon Del Rey Segment 1 3. Project Description:

4. Project Location: The Cities of Monterey, Del Rey Oaks and Seaside, Monterey County, CA

5. Bidder's Name: 6. Prime Certified DBE: 7. Bid Amount:

8. Total Dollar Amount for <u>ALL</u> Subcontractors:

9. Total Number of <u>ALL</u> Subcontractors:

10. Bid Item Number	11. Description of Work, Service, or Materials Supplied	12. NAICS or Work Category Codes	13. DBE Certification Number	14. DBE Contact Information (Must be certified on the date bids are opened)	15. DBE Dollar Amount

Local Agency to Complete this Section upon Execution of Award		16. TOTAL CLAIMED DBE PARTICIPATION			
22. Local Agency Contract Number:			\$ 0.00		
23. Federal-Aid Project Number:			0.00	0/	
24. Bid Opening Date:			0.00	%	
25. Contract Award Date:					
26. Award Amount:		IMPORTANT: Identify all DBE firms being claimed for credit, reg tier. Names of the First Tier DBE Subcontractors and their respe			
Local Agency certifies that all DBE certifications are valid and information on this form is complete and accurate.		item(s) of work listed above must be consistent, where applicable with the names and items of the work in the "Subcontractor List" submitted with your bid. Written confirmation of each listed DBE is required.			
27. Local Agency Representative's Signature	28. Date	17. Preparer's Signature 18. Dat	e		
29. Local Agency Representative's Name	30. Phone	19. Preparer's Name 20. Pho	one		
31. Local Agency Representative's Title		21. Preparer's Title			

DISTRIBUTION: 1. Original – Local Agency

2. Copy - Caltrans District Local Assistance Engineer (DLAE). Failure to submit to DLAE within 30 days of contract execution may result in de-obligation of federal funds on contract.

3. Include additional copy with award package.

INSTRUCTIONS - CONSTRUCTION CONTRACT DBE COMMITMENT

CONTRACTOR SECTION

1. Local Agency - Enter the name of the local agency that is administering the contract.

2. Contract DBE Goal - Enter the contract DBE goal percentage as it appears on the project advertisement.

3. Project Description - Enter the project description as it appears on the project advertisement (Bridge Rehab,

Seismic Rehab, Overlay, Widening, etc).

4. Project Location - Enter the project location(s) as it appears on the project advertisement.

5. Bidder's Name - Enter the contractor's firm name.

6. Prime Certified DBE - Check box if prime contractor is a certified DBE.

7. Bid Amount - Enter the total contract bid dollar amount for the prime contractor.

8. Total Dollar Amount for <u>ALL</u> Subcontractors – Enter the total dollar amount for all subcontracted contractors.

SUM = (DBEs + all Non-DBEs). Do not include the prime contractor information in this count.

9. Total number of <u>ALL</u> subcontractors – Enter the total number of all subcontracted contractors. SUM = (DBEs + all Non-DBEs). Do not include the prime contractor information in this count.

10. Bid Item Number - Enter bid item number for work, services, or materials supplied to be provided.

11. Description of Work, Services, or Materials Supplied - Enter description of work, services, or materials to be provided. Indicate all work to be performed by DBEs including work performed by the prime contractor's own forces, if the prime is a DBE. If 100% of the item is not to be performed or furnished by the DBE, describe the exact portion to be performed or furnished by the DBE. See LAPM Chapter 9 to determine how to count the participation of DBE firms. **12. NAICS or Work Category Codes** - Enter NAICS or Work Category Codes from the California Unified Certification

Program database.

13. DBE Certification Number - Enter the DBE's Certification Identification Number. All DBEs must be certified on the date bids are opened.

14. DBE Contact Information - Enter the name, address, and phone number of all DBE subcontracted contractors. Also, enter the prime contractor's name and phone number, if the prime is a DBE.

15. DBE Dollar Amount - Enter the subcontracted dollar amount of the work to be performed or service to be provided. Include the prime contractor if the prime is a DBE. See LAPM Chapter 9 for how to count full/partial participation.

16. Total Claimed DBE Participation - \$: Enter the total dollar amounts entered in the "DBE Dollar Amount" column. %: Enter the total DBE participation claimed ("Total Claimed DBE Participation Dollars" divided by item "Bid Amount"). If the total % claimed is less than item "Contract DBE Goal," an adequately documented Good Faith Effort (GFE) is required (see Exhibit 15-H DBE Information - Good Faith Efforts of the LAPM).

17. Preparer's Signature - The person completing the DBE commitment form on behalf of the contractor's firm must sign their name.

18. Date - Enter the date the DBE commitment form is signed by the contractor's preparer.

19. Preparer's Name - Enter the name of the person preparing and signing the contractor's DBE commitment form.

20. Phone - Enter the area code and phone number of the person signing the contractor's DBE commitment form.

21. Preparer's Title - Enter the position/title of the person signing the contractor's DBE commitment form.

LOCAL AGENCY SECTION

22. Local Agency Contract Number - Enter the Local Agency contract number or identifier.

23. Federal-Aid Project Number - Enter the Federal-Aid Project Number(s).

24. Bid Opening Date - Enter the date contract bids were opened.

25. Contract Award Date - Enter the date the contract was executed.

26. Award Amount – Enter the contract award amount as stated in the executed contract.

27. Local Agency Representative's Signature - The person completing this section of the form for the Local Agency must sign their name to certify that the information in this and the Contractor Section of this form is complete and accurate.

28. Date - Enter the date the DBE commitment form is signed by the Local Agency Representative.

29. Local Agency Representative's Name - Enter the name of the Local Agency Representative certifying the contractor's DBE commitment form.

30. Phone - Enter the area code and phone number of the person signing the contractor's DBE commitment form.

31. Local Agency Representative Title - Enter the position/title of the Local Agency Representative certifying the contractor's DBE commitment form.

EXHIBIT 15-H: PROPOSER/CONTRACTOR GOOD FAITH EFFORTS

Cost	Proposal Due Date	PE/CE
Federal-aid Project No(s).ATPSB1L-6143(088)	Bid Opening Date	CON

The <u>Transportation Agency for Monterey County</u> established a Disadvantaged Business Enterprise (DBE) goal of <u>22.00%</u> for this contract. The information provided herein shows the required good faith efforts to meet or exceed the DBE contract goal.

Proposers or bidders submit the following information to document their good faith efforts within five (5) calendar days from cost proposal due date or bid opening. Proposers and bidders are recommended to submit the following information even if the Exhibit 10-O1: Consultant Proposal DBE Commitments or Exhibit 15-G: Construction Contract DBE Commitment indicate that the proposer or bidder has met the DBE goal. This form protects the proposer's or bidder's eligibility for award of the contract if the administering agency determines that the bidder failed to meet the goal for various reasons, e.g., a DBE firm was not certified at bid opening, or the bidder made a mathematical error.

The following items are listed in the Section entitled "Submission of DBE Commitment" of the Special Provisions, please attach additional sheets as needed:

A. The names and dates of each publication in which a request for DBE participation for this project was placed by the bidder (please attach copies of advertisements or proofs of publication):

Publications

Dates of Advertisement

B. The names and dates of written notices sent to certified DBEs soliciting bids for this project and the dates and methods used for following up initial solicitations to determine with certainty whether the DBEs were interested (please attach copies of solicitations, telephone records, fax confirmations, etc.):

Names of DBEs Solicited Date of Initial Solicitation Follow Up Methods and Dates

C. The items of work made available to DBE firms including those unbundled contract work items into economically feasible units to facilitate DBE participation. It is the bidder's responsibility to demonstrate that sufficient work to facilitate DBE participation in order to meet or exceed the DBE contract goal.

Items of Work	Proposer or Bidder Normally Performs Item (Y/N)	Breakdown of Items	Amount (\$)	Percentage Of Contract	
	Pick			0.00%	
	Pick			0.00%	
	Pick			0.00%	
	Pick			0.00%	

D. The names, addresses and phone numbers of rejected DBE firms, the reasons for the bidder's rejection of the DBEs, the firms selected for that work (please attach copies of quotes from the firms involved), and the price difference for each DBE if the selected firm is not a DBE:

Names, addresses and phone numbers of rejected DBEs and the reasons for the bidder's rejection of the DBEs:

Names, addresses and phone numbers of firms selected for the work above:

E. Efforts (e.g. in advertisements and solicitations) made to assist interested DBEs in obtaining information related to the plans, specifications and requirements for the work which was provided to DBEs:

F. Efforts (e.g. in advertisements and solicitations) made to assist interested DBEs in obtaining bonding, lines of credit or insurance, necessary equipment, supplies, materials, or related assistance or services, excluding supplies and equipment the DBE subcontractor purchases or leases from the prime contractor or its affiliate:

G. The names of agencies, organizations or groups contacted to provide assistance in contacting, recruiting and using DBE firms (please attach copies of requests to agencies and any responses received, i.e., lists, Internet page download, etc.):

Name of Agency/Organization	Method/Date of Contact	Results

H. Any additional data to support a demonstration of good faith efforts:

Replace section 5-1.13E with:

5-1.13E Prompt Payment

Section 5-1.13E applies to a federal-aid contract.

Pay your subcontractors within 7 days of receipt of each progress payment, unless otherwise agreed to in writing in accordance with Business and Professionals Code section 7108.5.

Before the 15th day of each month for the previous month's work, submit the Prompt Payment Certification form (LAPM Exhibit 9-P) regardless of whether you made any payments.

The Authority may request additional documentation to verify the information provided on the Prompt Payment Certification form is complete.

If there is a good faith dispute over any portion of the amount due on a progress payment to a subcontractor or other entity, you may withhold no more than 150 percent of the disputed amount. Provide a written withhold notification to the subcontractor or other entity and the Engineer no later than 7 days after receipt of the corresponding progress payment that includes the following:

- 1. Value of the disputed work
- 2. Amount of the withhold being taken
- 3. Bid item numbers or change order numbers associated with the disputed work
- 4. Explanation of the deficiencies of the disputed work and how the corresponding value was calculated
- 5. Corrective actions to be taken for release of withheld amount

The Authority may request additional documentation from you to evaluate whether you applied the withhold in good faith.

If the Authority determines your withhold was not applied in good faith, the Authority may withhold the same amount from your future progress pay estimate. The Authority may also apply a 2 percent penalty on the withhold amount for every month payment is not made.

6-1.04 BUY AMERICA

6-1.04A General

Buy America requirements do not apply to the following:

- 1. Tools and construction equipment used in performing the work
- 2. Temporary work that is not incorporated into the finished project

6-1.04B Crumb Rubber (Pub Res Code § 42703(d))

Furnish crumb rubber with a certificate of compliance. Crumb rubber must be:

- 1. Produced in the United States
- 2. Derived from waste tires taken from vehicles owned and operated in the United States

6-1.04C Steel and Iron Materials

Steel and iron materials must be melted and manufactured in the United States except:

- 1. Foreign pig iron and processed, pelletized, and reduced iron ore may be used in the domestic production of the steel and iron materials
- 2. If the total combined cost of the materials produced outside the United States does not exceed the greater of 0.1 percent of the total bid or \$2,500, the material may be used if authorized

Furnish steel and iron materials to be incorporated into the work with certificates of compliance and certified mill test reports. Mill test reports must indicate where the steel and iron were melted and manufactured.

All melting and manufacturing processes for these materials, including an application of a coating, must occur in the United States. Coating includes all processes that protect or enhance the value of the material to which the coating is applied.

The following steel or iron materials have received an approved Buy America waiver for this Contract and are therefore not subject to Buy America requirements:

1. _____

6-1.04D Manufactured Products

Iron and steel used in precast concrete manufactured products must meet the requirements of section 6-1.04C regardless of the amount used.

Iron and steel used in other manufactured products must meet the requirements of section 6-1.04C if the weight of steel and iron components constitute 90 percent or more of the total weight of the manufactured product.

The following manufactured products have received an approved Buy America waiver for this Contract and are therefore not subject to Buy America requirements:

- 1. _____
- 2. _____

6-1.04E Construction Materials

The following construction materials must be produced in the United States under standards in 2 CFR 184.6:

- 1. Non-ferrous metals
- 2. Plastic and polymer-based products such as:
 - 2.1. Polyvinylchloride
 - 2.2. Composite building materials
- 3. Glass
- 4. Fiber optic cable including drop cable
- 5. Optical fiber
- 6. Lumber
- 7. Engineered wood
- 8. Drywall

All manufacturing processes for these materials as defined in 2 CFR 184.6 must occur in the United States.

Furnish construction materials to be incorporated into the work with certificates of compliance with each project delivery. Manufacturer's certificate of compliance must identify where the construction material was manufactured and attest specifically to compliance with its 2 CFR 184.6 standard.

Minor additions of articles, materials, supplies, or binding agents to these construction materials do not change the categorization of the construction material.

The following construction materials have received an approved Buy America waiver for this Contract and are therefore not subject to Buy America requirements:

1. _____ 2. _____

7-1.11B FHWA-1273

FHWA-1273 - Revised October 23, 2023

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

I. General

- II. Nondiscrimination
- III. Non-segregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
- Certification Regarding Use of Contract Funds for Lobbying
- XII. Use of United States-Flag Vessels:

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

 Form FHWA-1273 must be physically incorporated in each construction contract funded under title 23, United States Code, as required in 23 CFR 633.102(b) (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services). 23 CFR 633.102(e).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider. 23 CFR 633.102(e).

Form FHWA-1273 must be included in all Federal-aid designbuild contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services) in accordance with 23 CFR 633.102. The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in solicitation-for-bids or request-for-proposals documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract). 23 CFR 633.102(b).

Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract. 23 CFR 633.102(d).

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. 23 U.S.C. 114(b). The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors. 23 U.S.C. 101(a).

II. NONDISCRIMINATION (23 CFR 230.107(a); 23 CFR Part 230, Subpart A, Appendix A; EO 11248)

The provisions of this section related to 23 CFR Part 230, Subpart A, Appendix A are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR Part 60, 29 CFR Parts 1625-1627, 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR Part 60, and 29 CFR Parts 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR Part 230, Subpart A, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements. within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs (i.e., apprenticeship and on-the-job training programs for the geographical area of contract performance). In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

 c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. 23 CFR 230.409. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants /

Employees with Disabilities: The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established thereunder. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

 The contractor shall notify all potential subcontractors, suppliers, and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurances Required:

 The requirements of 49 CFR Part 26 and the State DOT's FHWA-approved Disadvantaged Business Enterprise (DBE) program are incorporated by reference.

b. The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

- (1) Withholding monthly progress payments;
- (2) Assessing sanctions;
- (3) Liquidated damages; and/or

(4) Disqualifying the contractor from future bidding as nonresponsible.

c. The Title VI and nondiscrimination provisions of U.S. DOT Order 1050.2A at Appendixes A and E are incorporated by reference. 49 CFR Part 21.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

 The number and work hours of minority and nonminority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women.

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project indicating the number of minority, women, and nonminority group employees currently engaged in each work classification required by the contract work. This information is to be reported on <u>Form FHWA-1391</u>. The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of more than \$10,000. 41 CFR 60-1.5.

As prescribed by 41 CFR 60-1.8, the contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, sexual orientation, gender identity, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location under the contractor's control where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size), in accordance with 29 CFR 5.5. The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. 23 U.S.C. 113. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. 23 U.S.C. 101. Where applicable law requires that projects be treated as a project on a Federal-aid highway, the provisions of this subpart will apply regardless of the location of the project. Examples include: Surface Transportation Block Grant Program projects funded under 23 U.S.C. 133 [excluding recreational trails projects], the Nationally Significant Freight and Highway Projects funded under 23 U.S.C. 117, and National Highway Freight Program projects funded under 23 U.S.C. 167.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages (29 CFR 5.5)

a. Wage rates and fringe benefits. All laborers and mechanics employed or working upon the site of the work (or otherwise working in construction or development of the project under a development statute), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of basic hourly wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. As provided in paragraphs (d) and (e) of 29 CFR 5.5, the appropriate wage determinations are effective by operation of law even if they have not been attached to the contract. Contributions made or costs reasonably anticipated for bona fide fringe benefits under the Davis-Bacon Act (40 U.S.C. 3141(2)(B)) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.e. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics must be paid the appropriate wage rate and fringe benefits on the wage determination for the classification(s) of work actually performed, without regard to skill, except as provided in paragraph 4. of this section. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph 1.c. of this section) and the Davis-Bacon poster (WH-1321) must be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. Frequently recurring classifications. (1) In addition to wage and fringe benefit rates that have been determined to be prevailing under the procedures set forth in <u>29 CFR part 1</u>, a wage determination may contain, pursuant to § 1.3(f), wage and fringe benefit rates for classifications of laborers and mechanics for which conformance requests are regularly submitted pursuant to paragraph 1.c. of this section, provided that:

 (i) The work performed by the classification is not performed by a classification in the wage determination for which a prevailing wage rate has been determined; (ii) The classification is used in the area by the construction industry; and

(iii) The wage rate for the classification bears a reasonable relationship to the prevailing wage rates contained in the wage determination.

(2) The Administrator will establish wage rates for such lassifications in accordance with paragraph 1.c.(1)(iii) of this ection. Work performed in such a classification must be paid it no less than the wage and fringe benefit rate listed on the vage determination for such classification.

c. Conformance. (1) The contracting officer must require that iny class of laborers or mechanics, including helpers, which is iot listed in the wage determination and which is to be imployed under the contract be classified in conformance with he wage determination. Conformance of an additional lassification and wage rate and fringe benefits is appropriate inly when the following criteria have been met:

 (i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is used in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) The conformance process may not be used to split, ubdivide, or otherwise avoid application of classifications sted in the wage determination.

(3) If the contractor and the laborers and mechanics to be imployed in the classification (if known), or their epresentatives, and the contracting officer agree on the lassification and wage rate (including the amount designated or fringe benefits where appropriate), a report of the action aken will be sent by the contracting officer by email to <u>NBAconformance@dol.gov</u>. The Administrator, or an uthorized representative, will approve, modify, or disapprove very additional classification action within 30 days of receipt ind so advise the contracting officer or will notify the ontracting officer within the 30–day period that additional time is necessary.

(4) In the event the contractor, the laborers or mechanics to re employed in the classification or their representatives, and he contracting officer do not agree on the proposed lassification and wage rate (including the amount designated or fringe benefits, where appropriate), the contracting officer vill, by email to <u>DBAconformance@dol.gov</u>, refer the puestions, including the views of all interested parties and the ecommendation of the contracting officer, to the Administrator or determination. The Administrator, or an authorized epresentative, will issue a determination within 30 days of eceipt and so advise the contracting officer or will notify the ontracting officer within the 30–day period that additional time s necessary.

(5) The contracting officer must promptly notify the ontractor of the action taken by the Wage and Hour Division under paragraphs 1.c.(3) and (4) of this section. The contractor must furnish a written copy of such determination to each affected worker or it must be posted as a part of the wage determination. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 1.c.(3) or (4) of this section must be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

d. Fringe benefits not expressed as an hourly rate. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor may either pay the benefit as stated in the wage determination or may pay another bona fide fringe benefit or an hourly cash equivalent thereof.

e. Unfunded plans. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided*, That the Secretary of Labor has found, upon the written request of the contractor, in accordance with the criteria set forth in § 5.28, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

f. Interest. In the event of a failure to pay all or part of the wages required by the contract, the contractor will be required to pay interest on any underpayment of wages.

2. Withholding (29 CFR 5.5)

a. Withholding requirements. The contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for the full amount of wages and monetary relief, including interest, required by the clauses set forth in this section for violations of this contract, or to satisfy any such liabilities required by any other Federal contract, or federally assisted contract subject to Davis-Bacon labor standards, that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to Davis-Bacon labor standards requirements and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld. In the event of a contractor's failure to pay any laborer or mechanic, including any apprentice or helper working on the site of the work all or part of the wages required by the contract, or upon the contractor's failure to submit the required records as discussed in paragraph 3.d. of this section, the contracting agency may on its own initiative and after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

 b. Priority to withheld funds. The Department has priority to funds withheld or to be withheld in accordance with paragraph a. of this section or Section V, paragraph 3.a., or both, over claims to those funds by:

 A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its reprocurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, <u>31</u> U.S.C. 3901–3907.

3. Records and certified payrolls (29 CFR 5.5)

a. Basic record requirements (1) Length of record retention. All regular payrolls and other basic records must be maintained by the contractor and any subcontractor during the course of the work and preserved for all laborers and mechanics working at the site of the work (or otherwise working in construction or development of the project under a development statute) for a period of at least 3 years after all the work on the prime contract is completed.

(2) Information required. Such records must contain the name; Social Security number; last known address, telephone number, and email address of each such worker; each worker's correct classification(s) of work actually performed; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in <u>40 U.S.C.</u> <u>3141(2)(B)</u> of the Davis-Bacon Act); daily and weekly number of hours actually worked in total and on each covered contract; deductions made; and actual wages paid.

(3) Additional records relating to fringe benefits. Whenever the Secretary of Labor has found under paragraph 1.e. of this section that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in <u>40 U.S.C.</u> <u>3141(2)(B)</u> of the Davis-Bacon Act, the contractor must maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

(4) Additional records relating to apprenticeship. Contractors with apprentices working under approved programs must maintain written evidence of the registration of apprenticeship programs, the registration of the apprentices, and the ratios and wage rates prescribed in the applicable programs.

b. Certified payroll requirements (1) Frequency and method of submission. The contractor or subcontractor must submit weekly, for each week in which any DBA- or Related Actscovered work is performed, certified payrolls to the contracting agency. The prime contractor is responsible for the submission of all certified payrolls by all subcontractors. A contracting agency or prime contractor may permit or require contractors to submit certified payrolls through an electronic system, as long as the electronic system requires a legally valid electronic signature; the system allows the contractor, the contracting agency, and the Department of Labor to access the certified payrolls upon request for at least 3 years after the work on the prime contract has been completed; and the contracting agency or prime contractor permits other methods of submission in situations where the contractor is unable or limited in its ability to use or access the electronic system.

(2) Information required. The certified payrolls submitted must set out accurately and completely all of the information required to be maintained under paragraph 3.a.(2) of this section, except that full Social Security numbers and last known addresses, telephone numbers, and email addresses must not be included on weekly transmittals. Instead, the certified payrolls need only include an individually identifying number for each worker (e.g., the last four digits of the worker's Social Security number). The required weekly certified payroll information may be submitted using Optional Form WH-347 or in any other format desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division website at https://www.dol.gov/sites/dolgov/files/WHD/ legacy/files/wh347/.pdf or its successor website. It is not a violation of this section for a prime contractor to require a subcontractor to provide full Social Security numbers and last known addresses, telephone numbers, and email addresses to the prime contractor for its own records, without weekly submission by the subcontractor to the contracting agency.

(3) Statement of Compliance. Each certified payroll submitted must be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor, or the contractor's or subcontractor's agent who pays or supervises the payment of the persons working on the contract, and must certify the following:

(i) That the certified payroll for the payroll period contains the information required to be provided under paragraph 3.b. of this section, the appropriate information and basic records are being maintained under paragraph 3.a. of this section, and such information and records are correct and complete;

(ii) That each laborer or mechanic (including each helper and apprentice) working on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in <u>29 CFR part 3</u>; and

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification(s) of work actually performed, as specified in the applicable wage determination incorporated into the contract.

(4) Use of Optional Form WH-347. The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 will satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(3) of this section. (5) Signature. The signature by the contractor, subcontractor, or the contractor's or subcontractor's agent must be an original handwritten signature or a legally valid electronic signature.

(6) Falsification. The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under <u>18 U.S.C. 1001</u> and <u>31</u> <u>U.S.C. 3729</u>.

(7) Length of certified payroll retention. The contractor or subcontractor must preserve all certified payrolls during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

c. Contracts, subcontracts, and related documents. The contractor or subcontractor must maintain this contract or subcontract and related documents including, without limitation, bids, proposals, amendments, modifications, and extensions. The contractor or subcontractor must preserve these contracts, subcontracts, and related documents during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

d. Required disclosures and access (1) Required record disclosures and access to workers. The contractor or subcontractor must make the records required under paragraphs 3.a. through 3.c. of this section, and any other documents that the contracting agency, the State DOT, the FHWA, or the Department of Labor deems necessary to determine compliance with the labor standards provisions of any of the applicable statutes referenced by § 5.1, available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and must permit such representatives to interview workers during working hours on the job.

(2) Sanctions for non-compliance with records and worker access requirements. If the contractor or subcontractor fails to submit the required records or to make them available, or refuses to permit worker interviews during working hours on the job, the Federal agency may, after written notice to the contractor, sponsor, applicant, owner, or other entity, as the case may be, that maintains such records or that employs such workers, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available, or to permit worker interviews during working hours on the job, may be grounds for debarment action pursuant to § 5.12. In addition, any contractor or other person that fails to submit the required records or make those records available to WHD within the time WHD requests that the records be produced will be precluded from introducing as evidence in an administrative proceeding under 29 CFR part 6 any of the required records that were not provided or made available to WHD. WHD will take into consideration a reasonable request from the contractor or person for an extension of the time for submission of records. WHD will determine the reasonableness of the request and may consider, among other things, the location of the records and the volume of production.

(3) Required information disclosures. Contractors and subcontractors must maintain the full Social Security number and last known address, telephone number, and email address of each covered worker, and must provide them upon request to the contracting agency, the State DOT, the FHWA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or other compliance action.

4. Apprentices and equal employment opportunity (29 CFR 5.5)

a. Apprentices (1) Rate of pay. Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship (OA), or with a State Apprenticeship Agency recognized by the OA. A person who is not individually registered in the program, but who has been certified by the OA or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice, will be permitted to work at less than the predetermined rate for the work they perform in the first 90 days of probationary employment as an apprentice in such a program. In the event the OA or a State Apprenticeship Agency recognized by the OA withdraws approval of an apprenticeship program, the contractor will no longer be permitted to use apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) Fringe benefits. Apprentices must be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringe benefits must be paid in accordance with that determination.

(3) Apprenticeship ratio. The allowable ratio of apprentices to journeyworkers on the job site in any craft classification must not be greater than the ratio permitted to the contractor as to the entire work force under the registered program or the ratio applicable to the locality of the project pursuant to paragraph 4.a.(4) of this section. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in paragraph 4.a.(1) of this section, must be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under this section must be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(4) Reciprocity of ratios and wage rates. Where a contractor is performing construction on a project in a locality other than the locality in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyworker's hourly rate) applicable within the locality in which the construction is being performed must be observed. If there is no applicable ratio or wage rate for the locality of the project, the ratio and wage rate specified in the contractor's registered program must be observed.

 Equal employment opportunity. The use of apprentices and journeyworkers under this part must be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

c. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. 23 CFR 230.111(e)(2). The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeyworkers shall not be greater than permitted by the terms of the particular program.

 Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract as provided in 29 CFR 5.5.

6. Subcontracts. The contractor or subcontractor must insert FHWA-1273 in any subcontracts, along with the applicable wage determination(s) and such other clauses or contract modifications as the contracting agency may by appropriate instructions require, and a clause requiring the subcontractors to include these clauses and wage determination(s) in any lower tier subcontracts. The prime contractor is responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this section. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest of lower-tier subcontractors, and may be subject to debarment, as appropriate. 29 CFR 5.5.

 Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

 Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract as provided in 29 CFR 5.5.

9. Disputes concerning labor standards. As provided in 29 CFR 5.5, disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility. a. By entering into this contract, the contractor certifies that neither it nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of $\underline{40}$ U.S.C. 3144(b) or § 5.12(a).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of <u>40 U.S.C. 3144(b)</u> or § 5.12(a).

c. The penalty for making false statements is prescribed in the U.S. Code, Title 18 Crimes and Criminal Procedure, <u>18</u> <u>U.S.C. 1001</u>.

11. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

 Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the DBA, Related Acts, this part, or <u>29 CFR part 1</u> or <u>3</u>;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under the DBA, Related Acts, this part, or <u>29 CFR part 1</u> or <u>3</u>;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under the DBA, Related Acts, this part, or <u>29 CFR part 1</u> or <u>3</u>; or

d. Informing any other person about their rights under the DBA, Related Acts, this part, or <u>29 CFR part 1</u> or <u>3</u>.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

Pursuant to 29 CFR 5.5(b), the following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchpersons and guards.

 Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek. 29 CFR 5.5.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph 1. of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages and interest from the date of the underpayment. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or

mechanic, including watchpersons and guards, employed in violation of the clause set forth in paragraph 1. of this section, in the sum currently provided in 29 CFR 5.5(b)(2)* for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 1. of this section.

* \$31 as of January 15, 2023 (See 88 FR 88 FR 2210) as may be adjusted annually by the Department of Labor, pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990.

3. Withholding for unpaid wages and liquidated damages

a. Withholding process. The FHWA or the contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for any unpaid wages; monetary relief, including interest; and liquidated damages required by the clauses set forth in this section on this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to the Contract Work Hours and Safety Standards Act and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld.

b. Priority to withheld funds. The Department has priority to funds withheld or to be withheld in accordance with Section IV paragraph 2.a. or paragraph 3.a. of this section, or both, over claims to those funds by:

 A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its reprocurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, <u>31</u> U.S.C. 3901–3907.

4. Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs 1. through 5. of this section and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor is responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1. through 5. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lowertier subcontractors, and associated liquidated damages and may be subject to debarment, as appropriate.

5. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

 Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the Contract Work Hours and Safety Standards Act (CWHSSA) or its implementing regulations in this part;

 b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under CWHSSA or this part;

 c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under CWHSSA or this part; or

 Informing any other person about their rights under CWHSSA or this part.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System pursuant to 23 CFR 635.116.

 The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" in paragraph 1 of Section VI refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions: (based on longstanding interpretation)

 the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;

(2) the prime contractor remains responsible for the quality of the work of the leased employees; (3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and (4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract. 23 CFR 635.102.

 Pursuant to 23 CFR 635.116(a), the contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. Pursuant to 23 CFR 635.116(c), the contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract. (based on longstanding interpretation of 23 CFR 635.116).

 The 30-percent self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements. 23 CFR 635.116(d).

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

 In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR Part 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract. 23 CFR 635.108.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and

health standards (29 CFR Part 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704). 29 CFR 1926.10.

 Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federalaid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR Part 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 11, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both." IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT (42 U.S.C. 7606; 2 CFR 200.88; EO 11738)

This provision is applicable to all Federal-aid construction contracts in excess of \$150,000 and to all related subcontracts. 48 CFR 2.101; 2 CFR 200.327.

By submission of this bid/proposal or the execution of this contract or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, subcontractor, supplier, or vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Highway Administration and the Regional Office of the Environmental Protection Agency. 2 CFR Part 200, Appendix II.

The contractor agrees to include or cause to be included the requirements of this Section in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements. 2 CFR 200.327.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200. 2 CFR 180.220 and 1200.220.

1. Instructions for Certification - First Tier Participants:

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disgualify such a person from participation in this transaction. 2 CFR 180.320.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default. 2 CFR 180.325.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. 2 CFR 180.345 and 180.350. e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900-180.1020, and 1200. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction. 2 CFR 180.330.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold. 2 CFR 180.220 and 180.300.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. 2 CFR 180.300; 180.320, and 180.325. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. 2 CFR 180.335. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/). 2 CFR 180.300, 180.320, and 180.325.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default. 2 CFR 180.325.

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 Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

 Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.335;.

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property, 2 CFR 180.800;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification, 2 CFR 180.700 and 180.800; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. 2 CFR 180.335(d).

(5) Are not a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(6) Are not a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability (USDOT Order 4200.6 implementing appropriations act requirements).

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal. 2 CFR 180.335 and 180.340.

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3. Instructions for Certification - Lower Tier Participants:

(Applicable to all subcontracts, purchase orders, and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200). 2 CFR 180.220 and 1200.220.

a. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances. 2 CFR 180.365.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900 - 180.1020, and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated. 2 CFR 1200.220 and 1200.332.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold. 2 CFR 180.220 and 1200.220.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/), which is compiled by the General Services Administration. 2 CFR 180.300, 180.320, 180.330, and 180.335.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

 Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily

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excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment. 2 CFR 180.325.

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4. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Participants:

a. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals:

 is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.355;

(2) is a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(3) is a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability. (USDOT Order 4200.6 implementing appropriations act requirements)

b. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal.

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XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000. 49 CFR Part 20, App. A.

 The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

XII. USE OF UNITED STATES-FLAG VESSELS:

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, or any other covered transaction. 46 CFR Part 381.

This requirement applies to material or equipment that is acquired for a specific Federal-aid highway project. 46 CFR 381.7. It is not applicable to goods or materials that come into inventories independent of an FHWA funded-contract.

When oceanic shipments (or shipments across the Great Lakes) are necessary for materials or equipment acquired for a specific Federal-aid construction project, the bidder, proposer, contractor, subcontractor, or vendor agrees:

 To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels. 46 CFR 381.7.

2. To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b)(1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Office of Cargo and Commercial Sealift (MAR-620), Maritime Administration, Washington, DC 20590. (MARAD requires copies of the ocean carrier's (master) bills of lading, certified onboard, dated, with rates and charges. These bills of lading may contain business sensitive information and therefore may be submitted directly to MARAD by the Ocean Transportation Intermediary on behalf of the contractor). 46 CFR 381.7.

ATTACHMENT A - EMPLOYMENT AND MATERIALS PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS ROAD CONTRACTS (23 CFR 633, Subpart B, Appendix B) This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

 During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

 The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

 The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

Replace section 20-5.06 with:

20-5.06 DECORATIVE BOULDERS

20-5.06A General

20-5.06A(1) Summary

Section 20-5.06 includes specifications for placing decorative boulders.

20-5.06A(2) Definitions

Not Used

20-5.06A(3) Submittals

At least 30 days before delivery to the job site, submit the name, address, and telephone number of the boulder source. Submit digital photographs of the front, back, and side of each boulder.

20-5.06A(4) Quality Assurance

Not Used

20-5.06B Materials

Notify the Engineer at least 5 business days before delivery of the boulders to the job site.

Boulders must:

- 1. Be clean
- 2. Have no sharp edges, or cracks
- 3. Obtained from a single source
- 4. Be covered at least in 20 percent with moss or lichen
- 5. Be the color blend of tan/brown/black
- 6. Be composed of volcanic rock native to California
- 7. Not have blast holes

Boulders must comply with the minimum requirements shown in the following table for each axis measurement:

- - -

Diameter Requirements				
Diameter (feet)	Quantity			
1 to 2	25			
2 to 3	30			
3 to 4	25			

Boulders may show surface chipping or scaring if the boulder is placed such that the chipped or scarred areas are not visible.

Anti-graffiti coating must comply with section 78-4.06.

20-5.06C Construction

Mark proposed locations for placement of boulders. Final location and orientation of the boulder must be authorized at least 5 business days prior to installation. Apply anti-graffiti coating to all exposed surfaces of the boulder. Place surplus excavated material throughout the job site under section 19-2.03B. Compact subgrade under the boulder to not less than 90 percent relative compaction. Place boulder as shown on plans and details and as directed by engineer. Backfill and tamp remaining soil voids around the boulder until finished grade is level with the surrounding area. If backfill area has settled, refill with additional soil and tamp.

20-5.06D Payment Not Used

Replace section 21-2.02K with:

21-2.02K Compost

Compost must be derived from one or a combination of the following types of materials:

- 1. Green material consisting of chipped, shredded, or ground vegetation or clean, processed, recycled wood products
- 2. Biosolids
- 3. Mixed food waste

Compost must not be derived from mixed municipal solid waste and must not contain paint, petroleum products, pesticides, or other chemical residues harmful to plant or animal life. Metal concentrations in compost must not exceed the maximum listed under 14 CA Code of Regs § 17868.2.

Process compost materials under 14 CA Code of Regs § 17868.3.

The particle size must comply with the requirements shown in the following table:

Quality characteristic	Tost mothoda	Requi	irement
	Test method ^a	Min	Max
Gradation Fine:(dry weight % passing)			
1-inch sieve	TMECC 02.02-B	100	
3/8-inch sieve		95	
Gradation Medium:(dry weight % passing)			
2-inch sieve	TMECC 02.02-B	95	
3/8-inch sieve		40	55
Gradation Coarse:(dry weight % passing)			
3-inch sieve	TMECC 02.02-B	95	
3/8-inch sieve		25	35

Compost Gradation

^aTMECC refers to *Test Methods for the Examination of Composting and Compost,* published by the United States Department of Agriculture and the United States Compost Council (USCC).

The quality characteristics of compost must have the values shown in the following table:

	—]
Quality characteristic	Test method ^a	Medium/Coarse
рН	TMECC 04.11-A	6.0-8.0
Soluble salts (dS/m)	TMECC 04.10-A	0-10
Moisture content (% wet weight)	TMECC 03.09-A	25-60
Organic matter content (% dry weight)	TMECC 05.07-A	30-100
Maturity (seed emergence) (% relative to positive control)	TMECC 05.05-A	80 or above
Maturity (seedling vigor) (% relative to positive control)	TMECC 05.05-A	80 or above
Stability (mg CO ₂ -C/g OM per day)	TMECC 05.08-B	8 or below
Pathogen Salmonella (most probable number per 4 grams dry weight basis)	TMECC 07.01-B	< 3
Pathogen Fecal coliform (most probable number per gram dry weight basis)	TMECC 07.01-B	< 1,000
Physical contaminants (% dry weight) Plastic, glass, and metal	TMECC 02.02-C	combined total: < 1.0
Film plastic (% dry weight)	TMECC 02.02-C	Combined total: < 0.1

DEL REY PARK REC FIELDS

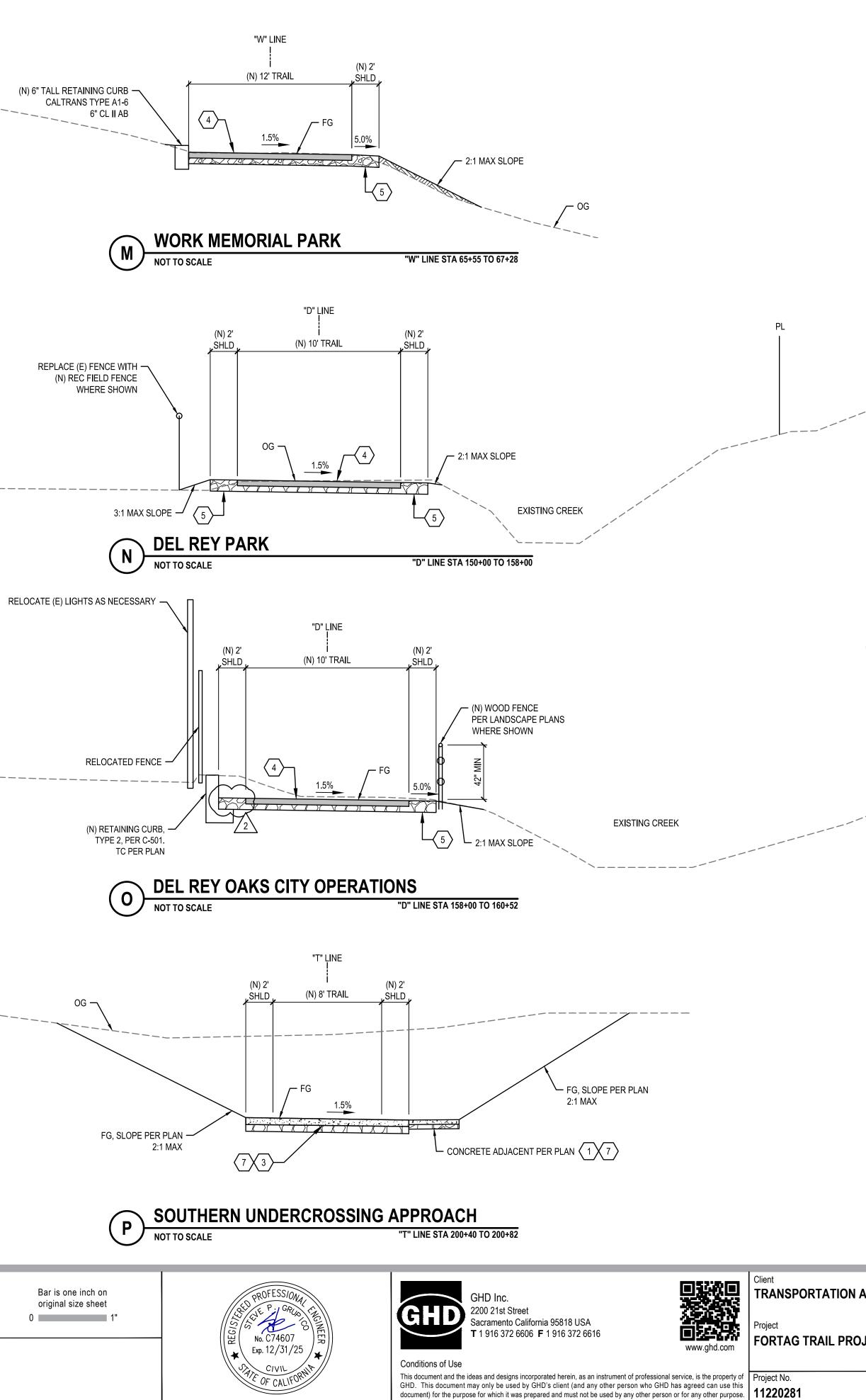
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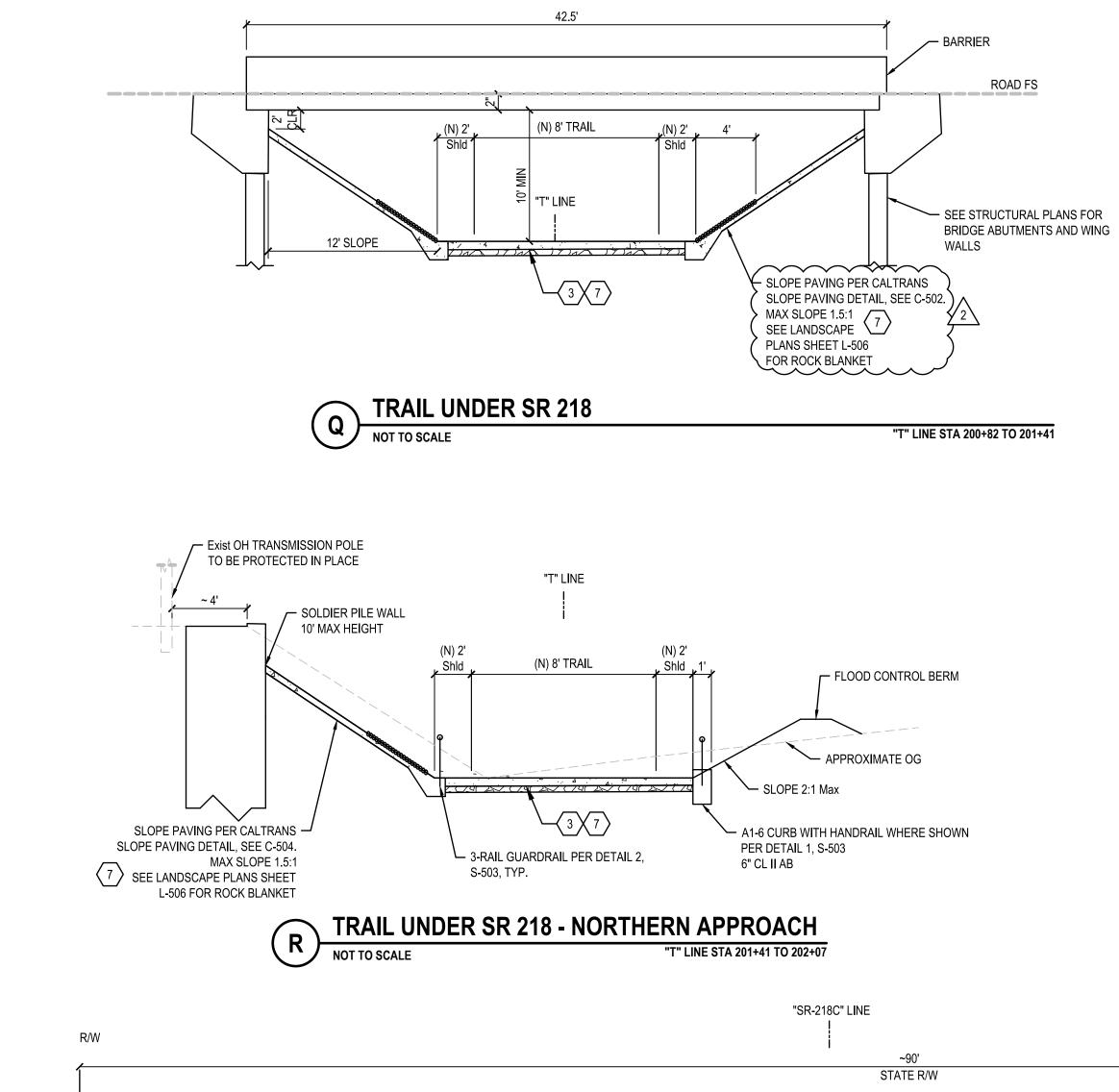
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No. Issue		Checked Approved	Date
Author EM	Drafting Check SG	Project Manager L.	VAN PARYS
Designer CO	Design Check SG	Project Director K.	VEDULA

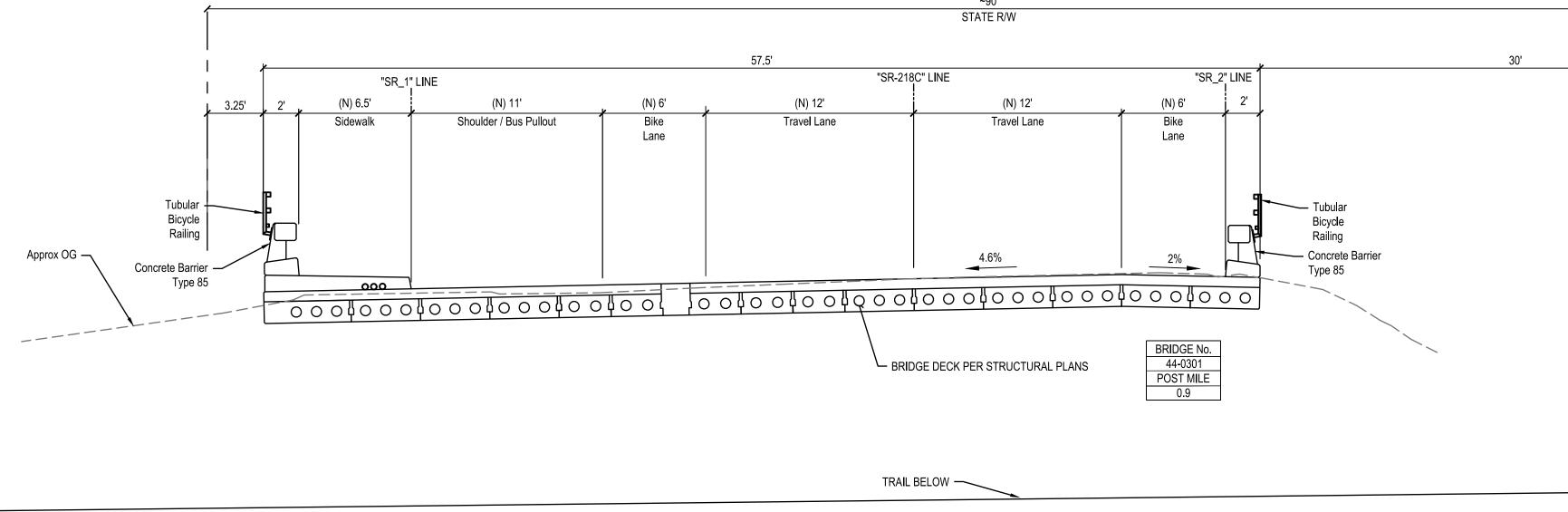
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		ND			
			MINOR CONCRETE		FILL MATERIAL
			HMA (TYPE A)		AGGREGATE BASE (CL II)
			STAMPED CONCRETE SECTION		DG SHOULDER
	۸RRF		TIONS		
		STING /	SC = SECTION	OG = ORIGINAL GRAD FG = FINISHED GRAD	
\langle	SHEE	T KE	YNOTES		
1	4" PCC, 3 4" CL II A	3500 PSI \B		T 90% RELATIVE COMPA	ACTION
2	2. SAWCUT 8" HMA,	r and Re Type a	EPLACE SECTION		
3	8. CONCRE 6" PCC, 8 6" CL II A	ETE SHA 5000 PSI AB		N T 90% RELATIVE COMPA	ACTION
2	I. AC TRAI 5" HMA, 5" CL II A SCARIEN	TYPE A \B		T 90% RELATIVE COMPA	ACTION
Ę	5. AB TRA 10" CL II SCARIFY	AB		T 90% RELATIVE COMPA	ACTION
6	6. DG TRAI 4" DECO 6" CL II A	MPOSE	DER D GRANITE		
_				T 90% RELATIVE COMPA	ACTION
			OR AND FINISHES PER I RETE PER PATTERN B,		
G	ENERAL	NOTE	:S:		
1	.) FOR ACCUR DISTRICT O		HT OF WAY DATA, CON	TACT RIGHT OF WAY EN	GINEER AT THE
2			VEMENT STRUCTURES PECIFIED IN THE STAND	(STRUCTURAL SECTION ARD SPECIFICATIONS.	S) ARE SUBJECT
	3) FOR RETAIN			N HEIGHT, SEE STRUCT	

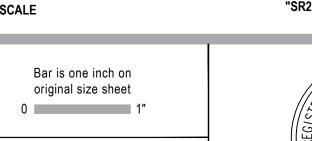
GENCY FOR MONTEREY COUNTY	Title CROSS SECTIONS	Size ANSI D
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Date Scale December 1, 2023 AS SHOWN		Sheet 14 of 195





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ADDENDUM #02		CO 1/16/2024		
			FORTAG	
No. Issue		Checked Approved Date	and GREENWAY	
Author EM	Drafting Check SG	Project Manager L. VAN PARYS		
Designer CO	Design Check SG	Project Director K. VEDULA		
Plot Date: 16 January 2024 - 5:04 PM	Plotted By: Cheni	n Otto Path and Filename: N:\L	JS\Roseville\Projects\561\11220281\06 - Digital_Design\ACAD 2020\Sheets\11220281-GHD-CI-GEN-0005.dwg	

218 BRIDGE AT TRAIL UNDERCROSSING "SR218C" LINE STA 104+76 TO STA 105+55







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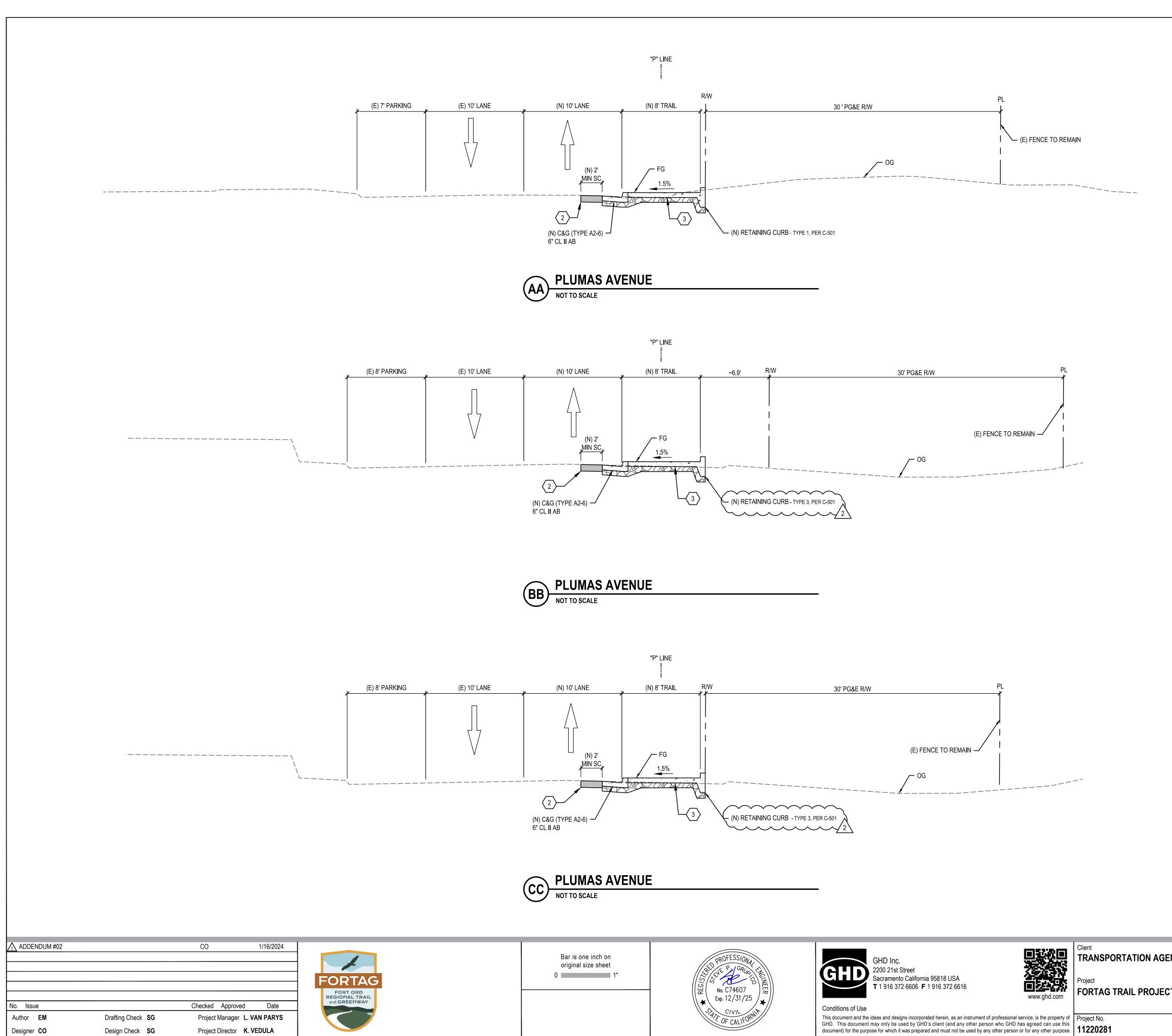
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FORTAG TRAIL PROJECT

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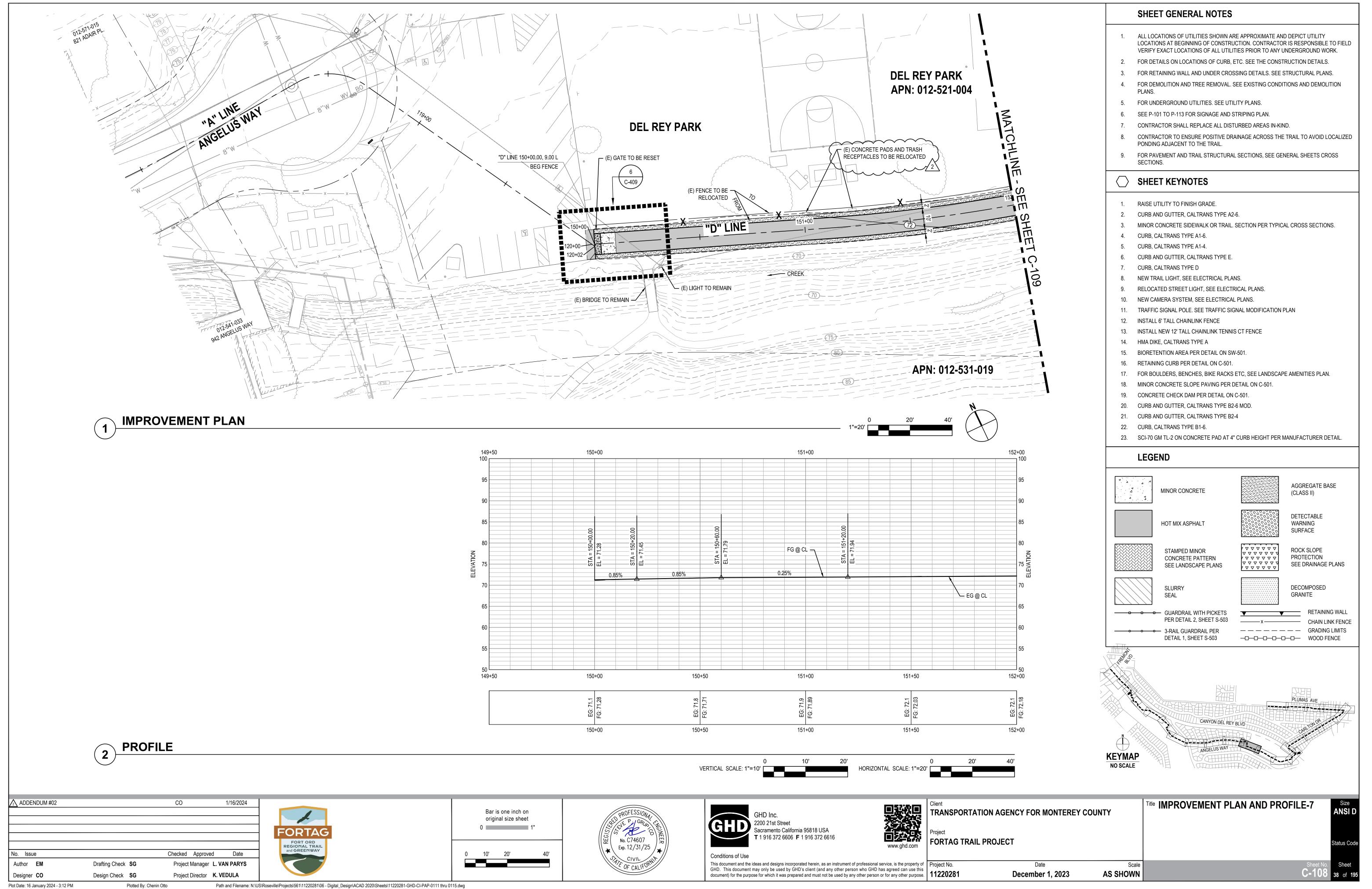
	L	EGEND				
		4 4 	MINOR CONCRETE		FILL MATERIAL	
			HMA (TYPE A)		AGGREGATE B/	ASE (CL II)
			STAMPED CONCRETE SECTION		DG SHOULDER	
	(E) = (N) =	BBREVIA EXISTING NEW MINIMUM	SC = SECTION			
	○ S	HEET KE	YNOTES			
	4" SC 2. S/ 8" 3. CC 6" 6" SC 4. AC 5" SC 5. AE 10 SC 6. DC 4" 6" SC	AWCUT AND RI HMA, TYPE A DNCRETE SHA PCC, 5000 PSI CL II AB CARIFY 8", MOI C TRAIL SECTI HMA, TYPE A CL II AB CARIFY 8", MOI DECOMPOSEI CL II AB CARIFY 8", MOI DECOMPOSEI CL II AB CARIFY 8", MOI	STURE CONDITIONED AT EPLACE SECTION RED USE PATH SECTION STURE CONDITIONED AT ON STURE CONDITIONED AT LDER STURE CONDITIONED AT LDER	90% RELATIVE COMPA 90% RELATIVE COMPA 90% RELATIVE COMPA	ACTION ACTION ACTION	
			RETE PER PATTERN B, D			
	GENER	AL NOTE	S:			
R/W	2.) DISTR 2.) DIMEI TO TO	RICT OFFICE. NSIONS OF PA DLERANCES SI	SHT OF WAY DATA, CONT VEMENT STRUCTURES (S PECIFIED IN THE STANDA LL PROFILE AND DESIGN	STRUCTURAL SECTION RD SPECIFICATIONS.	S) ARE SUBJECT	
	v	Title CRC	SS SECTIONS			Size ANSI D
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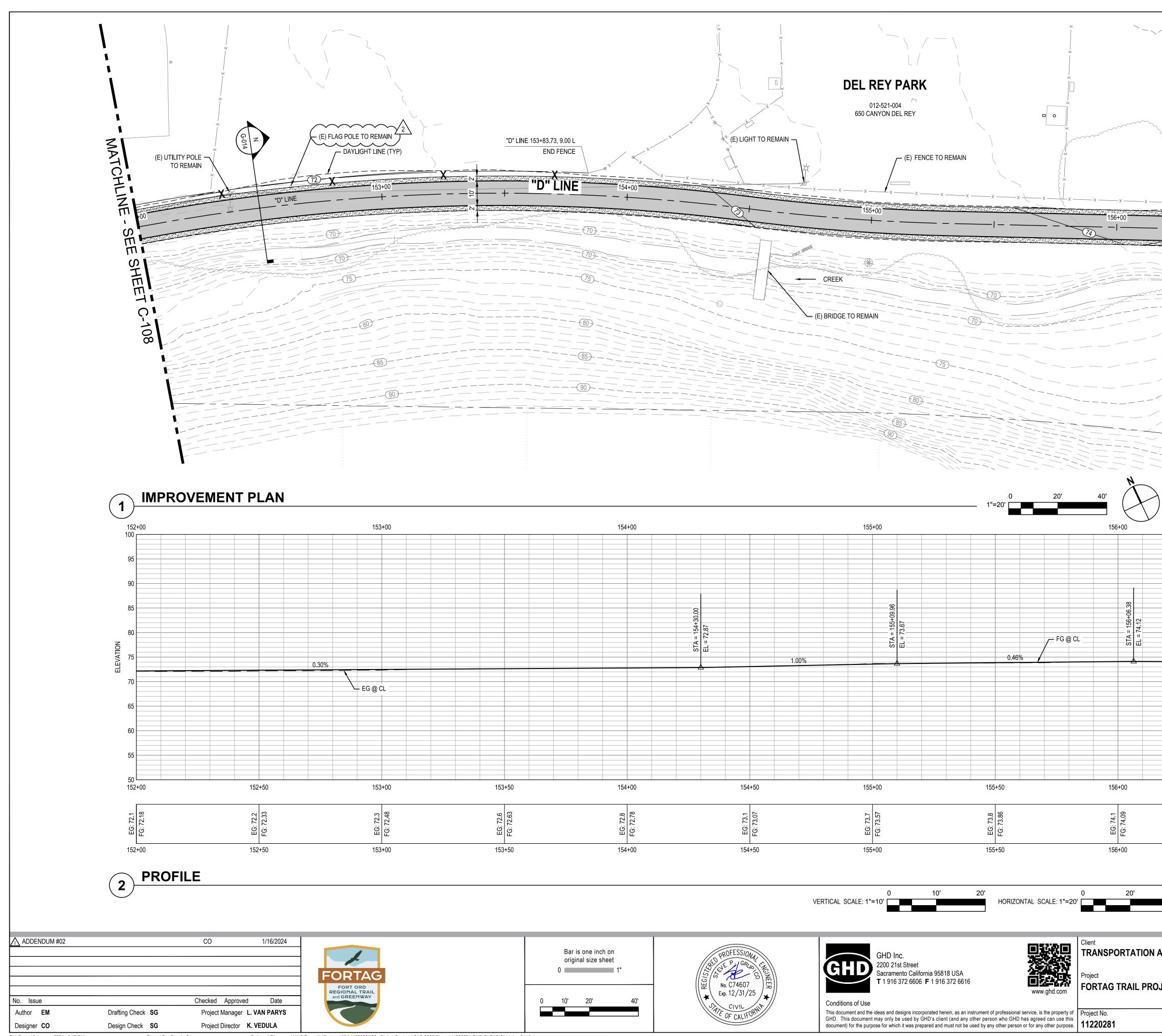


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LEGE	ND						
4. 	4 MINOR CONCRETE		FILL MATERIAL				
	HMA (TYPE A)		AGGREGATE BASE (CL II)				
	STAMPED CONCRETE SECTION		DG SHOULDER				
ABBR	REVIATIONS						
(E) = EXIS (N) = NEW MIN = MINII	SHLD = SHOULDER	OG = ORIGINAL GRADE FG = FINISHED GRADE					
	T KEYNOTES						
4" PCC, 3 4" CL II A		T 90% RELATIVE COMPA	CTION				
 SAWCUT AND REPLACE SECTION 8" HMA, TYPE A 							
 CONCRETE SHARED USE PATH SECTION 6" PCC, 5000 PSI 6" CL II AB SCARIFY 8", MOISTURE CONDITIONED AT 90% RELATIVE COMPACTION 							
5" HMA, 1 5" CL II A							
10" CL II /	L SHOULDER AB ′ 8", MOISTURE CONDITIONED A	T 90% RELATIVE COMPA	CTION				
6. DG TRAIL 4" DECO	L SHOULDER MPOSED GRANITE						
6" CL II A SCARIFY	B ' 8", MOISTURE CONDITIONED A	T 90% RELATIVE COMPA	CTION				
7. CONCRE	TE COLOR AND FINISHES PER	LANDSCAPE PLANS					
8. STAMPE	D CONCRETE PER PATTERN B,	DETAIL 2, L-507					
GENERAL I	NOTES:						
1.) FOR ACCUR DISTRICT OF	ATE RIGHT OF WAY DATA, CON FFICE.	TACT RIGHT OF WAY ENG	GINEER AT THE				
	S OF PAVEMENT STRUCTURES NCES SPECIFIED IN THE STAND		S) ARE SUBJECT				
3.) FOR RETAIN	IING WALL PROFILE AND DESIG	N HEIGHT, SEE STRUCTU	IRAL PLANS.				
L							

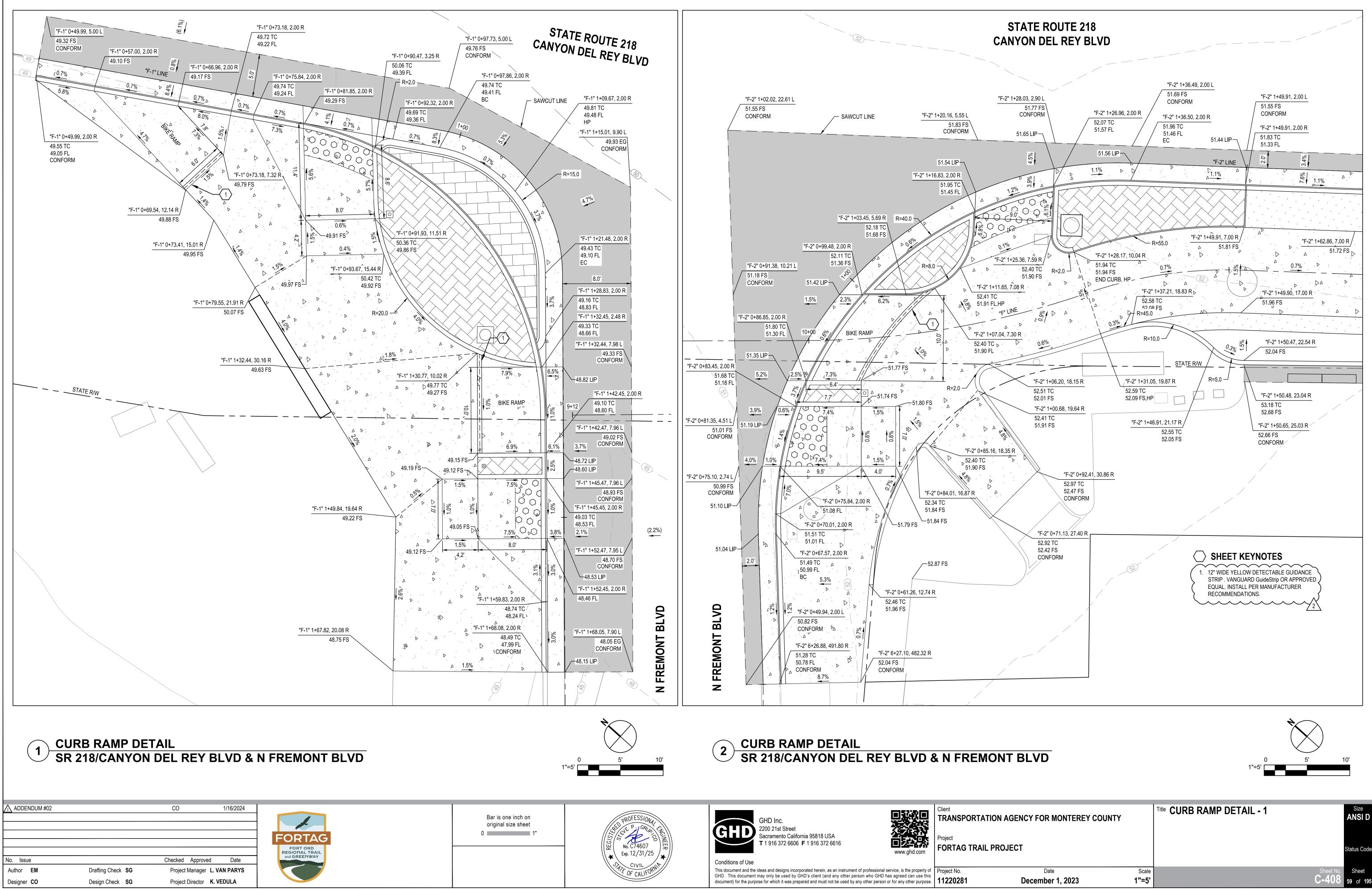
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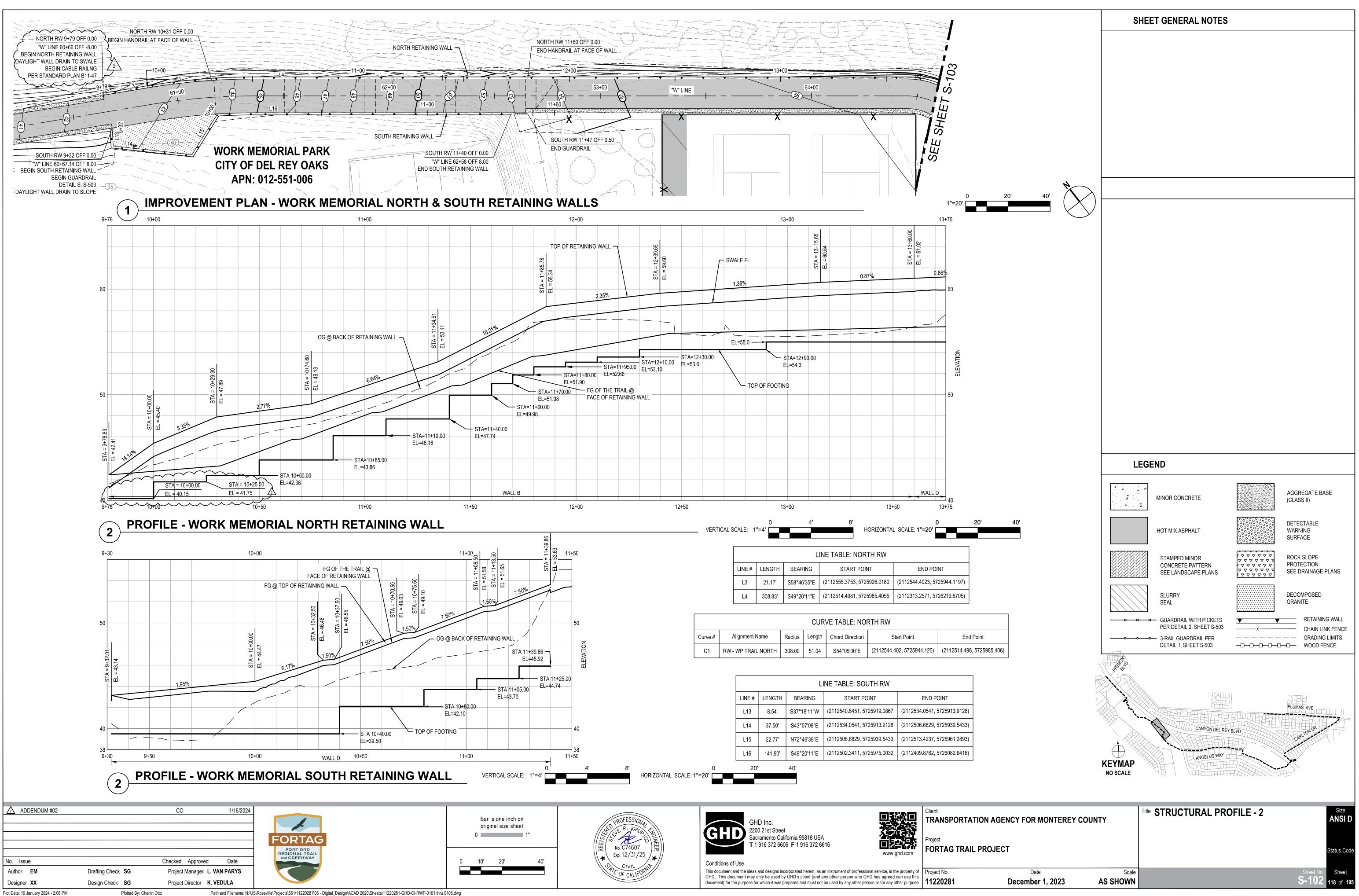




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	SHE	ET GENERAL NOTES		
	LOCA	DCATIONS OF UTILITIES SHOWN AF TIONS AT BEGINNING OF CONSTRU Y EXACT LOCATIONS OF ALL UTILI	CTION. CONTRACTOR	IS RESPONSIBLE TO FIELD
		DETAILS ON LOCATIONS OF CURB, E		
		RETAINING WALL AND UNDER CROS		
i	PLANS	S.		
		INDERGROUND UTILITIES. SEE UTII -101 TO P-113 FOR SIGNAGE AND S		
MATC		RACTOR SHALL REPLACE ALL DIST		
		RACTOR TO ENSURE POSITIVE DRA ING ADJACENT TO THE TRAIL.	AINAGE ACROSS THE T	RAIL TO AVOID LOCALIZED
	9. FOR P SECTI	AVEMENT AND TRAIL STRUCTURA ONS.	_ SECTIONS, SEE GENE	RAL SHEETS CROSS
	SHE	ET KEYNOTES		
	1. RAISE	UTILITY TO FINISH GRADE.		
		AND GUTTER, CALTRANS TYPE A2		
		R CONCRETE SIDEWALK OR TRAIL. , CALTRANS TYPE A1-6.	SECTION PER TYPICAL	CROSS SECTIONS.
		, CALTRANS TYPE A1-4. AND GUTTER, CALTRANS TYPE E.		
		, CALTRANS TYPE D		
110		TRAIL LIGHT, SEE ELECTRICAL PLA CATED STREET LIGHT, SEE ELECTF		
	10. NEW 0	CAMERA SYSTEM, SEE ELECTRICAL	PLANS.	
- - Í		FIC SIGNAL POLE. SEE TRAFFIC SIG LL 6' TALL CHAINLINK FENCE	NAL MODIFICATION PL	AN
		LL NEW 12' TALL CHAINLINK TENNIS	S CT FENCE	
		DIKE, CALTRANS TYPE A ETENTION AREA PER DETAIL ON SW	/-501.	
4	16. RETAI	NING CURB PER DETAIL ON C-501.		
ĺ		OULDERS, BENCHES, BIKE RACKS R CONCRETE SLOPE PAVING PER D		AMENITIES PLAN.
		RETE CHECK DAM PER DETAIL ON		
		AND GUTTER, CALTRANS TYPE B2 AND GUTTER, CALTRANS TYPE B2		
	22. CURB	, CALTRANS TYPE B1-6.		
156+25	23. SCI-70) GM TL-2 ON CONCRETE PAD AT 4'	CURB HEIGHT PER MA	NUFACTURER DETAIL.
		END		
95		MINOR CONCRETE		AGGREGATE BASE (CLASS II)
85		HOT MIX ASPHALT	00000000000000000000000000000000000000	DETECTABLE WARNING SURFACE
75 TEFEA TION		STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS	$\begin{array}{c} & & & & & & & & & & & & & & & & & & &$	ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
70 65		SLURRY SEAL		DECOMPOSED GRANITE
60	o o	GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503	×x	RETAINING WALL CHAIN LINK FENCE
		3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503		GRADING LIMITS
55		,		
50 156+25				
			1	
EG: 74.1 FG: 74.06				PLUMAS AVE
		CANYON DEL REY		
156+25	N	A A A A A A A A A A A A A A A A A A A		CARLON
	KEYMAP	ANGELUS WAY		
40'	NO SCALE			
			AN AND PRO	FILE-8 Size ANSI D
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Date December 1, 2023	Scale AS SHOWN			Sheet No. Sheet C-109 39 of 195
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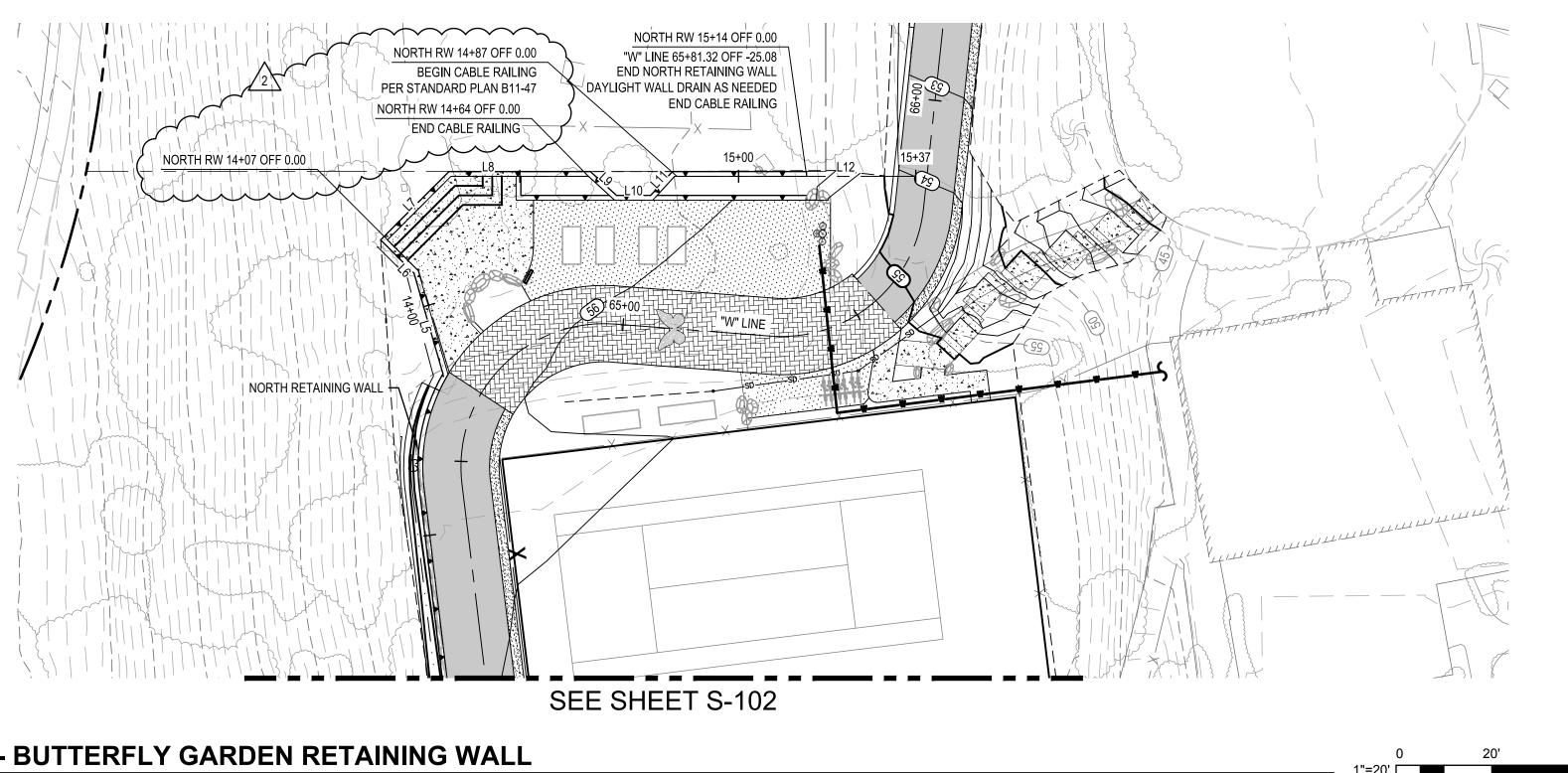


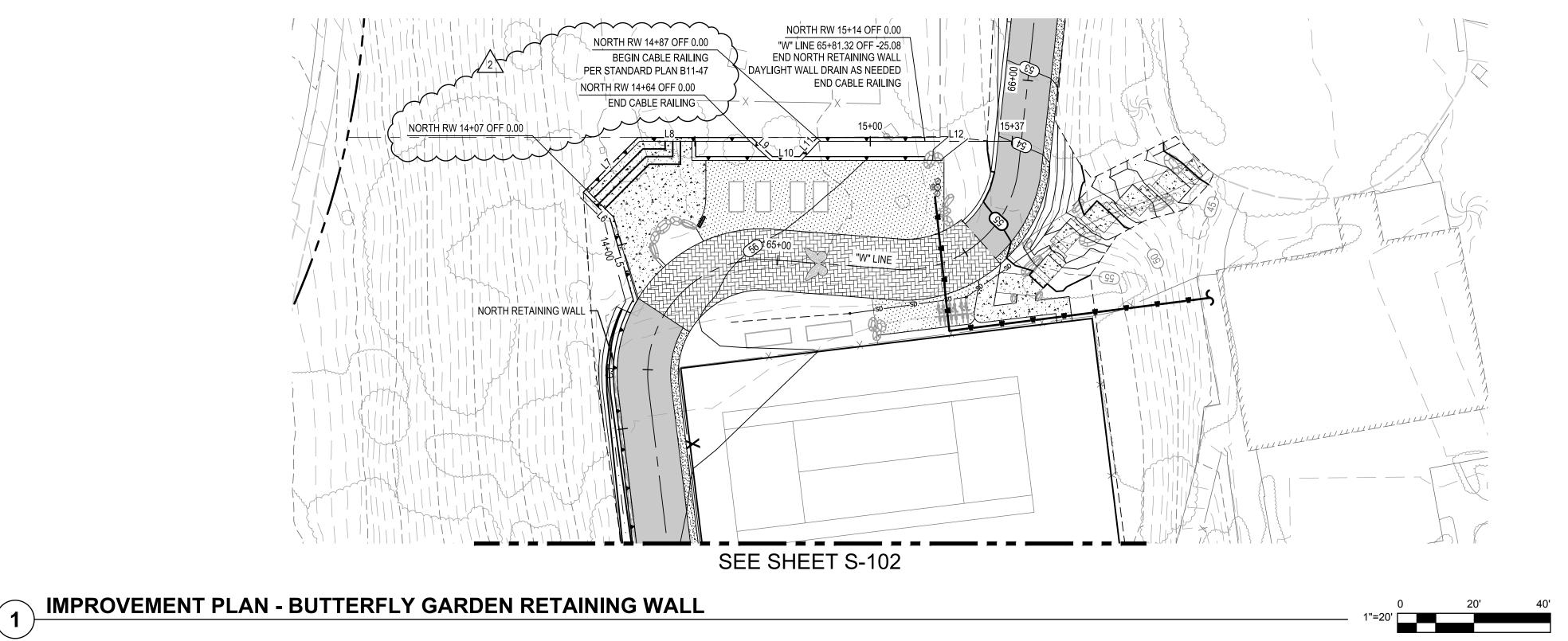


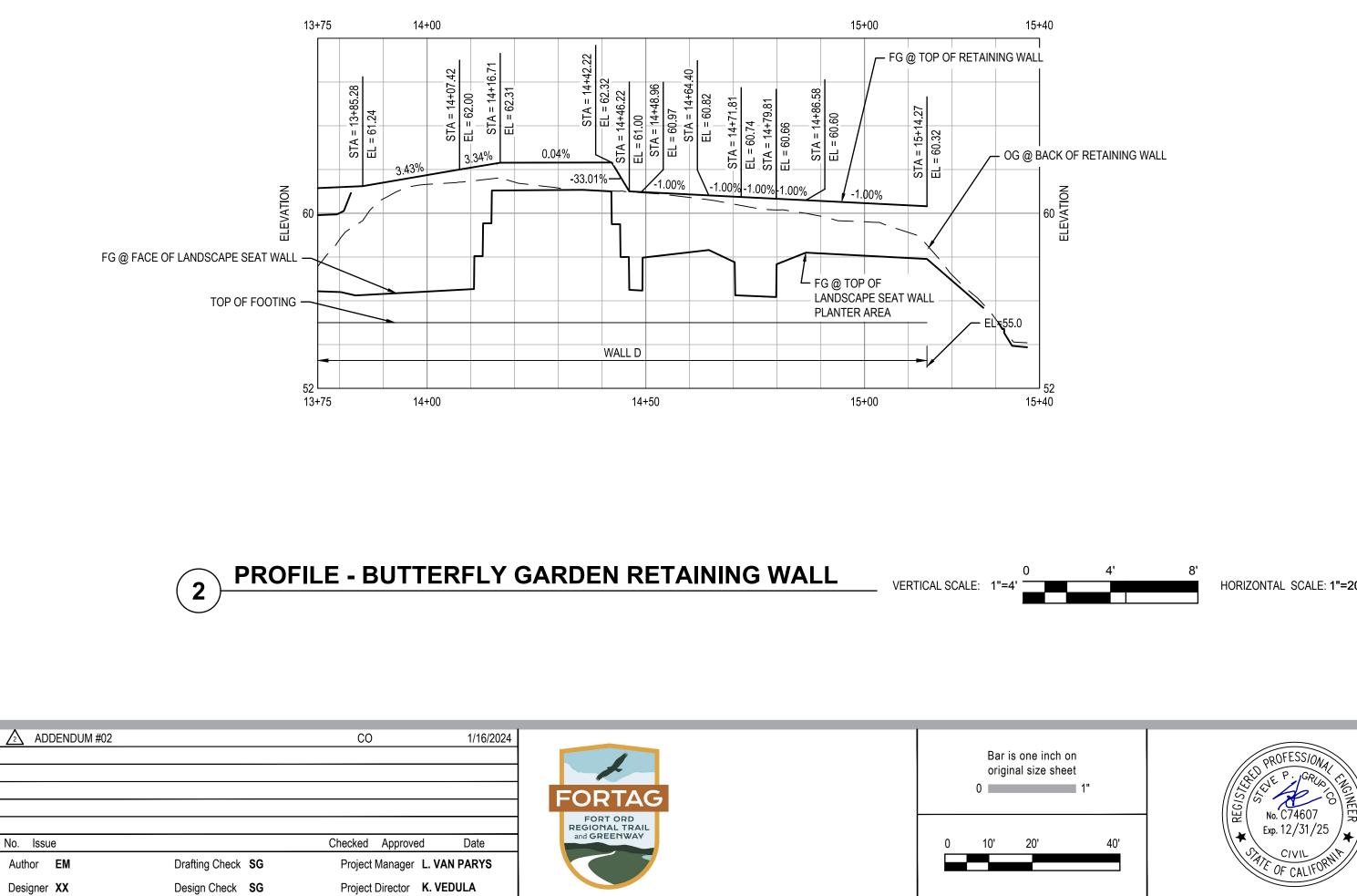
	LINE TABLE: NORTH RW									
LINE #	E # LENGTH BEARING START POINT END POINT									
L3	21.17'	S58°46'35"E	(2112555.3753, 5725926.0180	(2112544.4023, 5725944.1197)						
L4	L4 308.83' S49°20'11"E (2112514.4981, 5725985.4055 (2112313.2571, 5726219.6705)									

CURVE TABLE: NORTH RW											
Curve #	Alignment Name	Radius	Length	Chord Direction	Start Point	End Point					
C1	C1 RW - WP TRAIL NORTH 308.00 51.04 S54°05'00"E (2112544.402, 5725944.120) (2112514.498, 5725985.40										

		- STA EL=4	11+25.00 14.74	Ξ							L	INE TABLE: SOUTH RW	
	EL=43.70								LINE #	LENGTH	BEARING	START POINT	END POINT
80.00 0									L13	8.54'	S37°18'11"W	(2112540.8451, 5725919.0867	(2112534.0541, 5725913.9128)
				40					L14	37.50'	S43°07'08"E	(2112534.0541, 5725913.9128	(2112506.6829, 5725939.5433)
									L15	22.77'	N72°46'39"E	(2112506.6829, 5725939.5433	(2112513.4237, 5725961.2893)
+00			 11+	38 -50					L16	141.90'	S49°20'11"E	(2112502.3411, 5725975.0032	(2112409.8762, 5726082.6418)
VE	ERTICAL SCALE: 1	0 "=4'		4'	8'	HORIZONT	AL SCALE: 1"=20'	0	20'		40'		







Plot Date: 16 January 2024 - 2:06 PM Plotted By: Chenin Otto Path and Filename: N:\US\Roseville\Projects\561\11220281\06 - Digital_Design\ACAD 2020\Sheets\11220281-GHD-CI-RWP-0101 thru 0105.dwg

LINE TABLE: NORTH RW									
LINE #	LENGTH BEARING START POINT END POIN								
L5	22.14'	S59°16'24"E	(2112291.6980, 5726232.2079	(2112280.3865, 5726251.2385)					
L7	18.85'	S02°34'07"W	(2112279.9698, 5726260.5238	(2112261.1378, 5726259.6790)					
L8	28.84'	S47°34'07"W	(2112261.1378, 5726259.6790	(2112241.6826, 5726238.3961)					
L9	7.41'	N90°00'00"W	(2112241.6826, 5726238.3961	(2112241.6826, 5726230.9854)					
L10	8.00'	S47°34'07"W	(2112241.6826, 5726230.9854	(2112236.2849, 5726225.0807)					
L11	6.77'	S00°00'00"W	(2112236.2849, 5726225.0807	(2112229.5107, 5726225.0807)					
L12	50.57'	S47°34'07"W	(2112229.5107, 5726225.0807	(2112195.3908, 5726187.7557)					

CURVE TABLE: NORTH RW											
Curve # Alignment Name Radius Length Chord Direction Start Point End Point											
C3 RW - WP TRAIL NORTH 38.00 25.41 S30°10'47"E (2112313.257, 5726219.670) (2112291.698, 5726232											



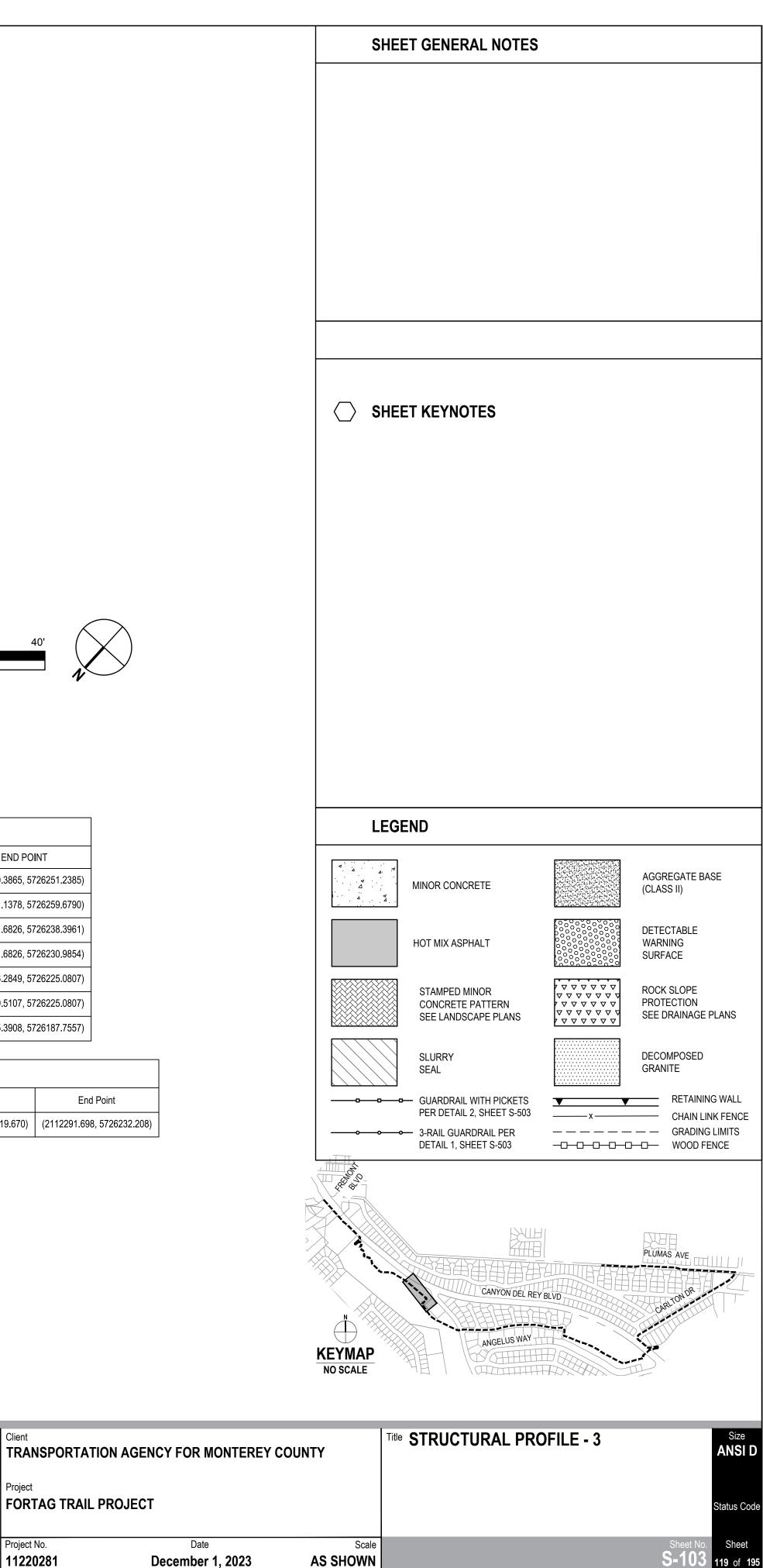


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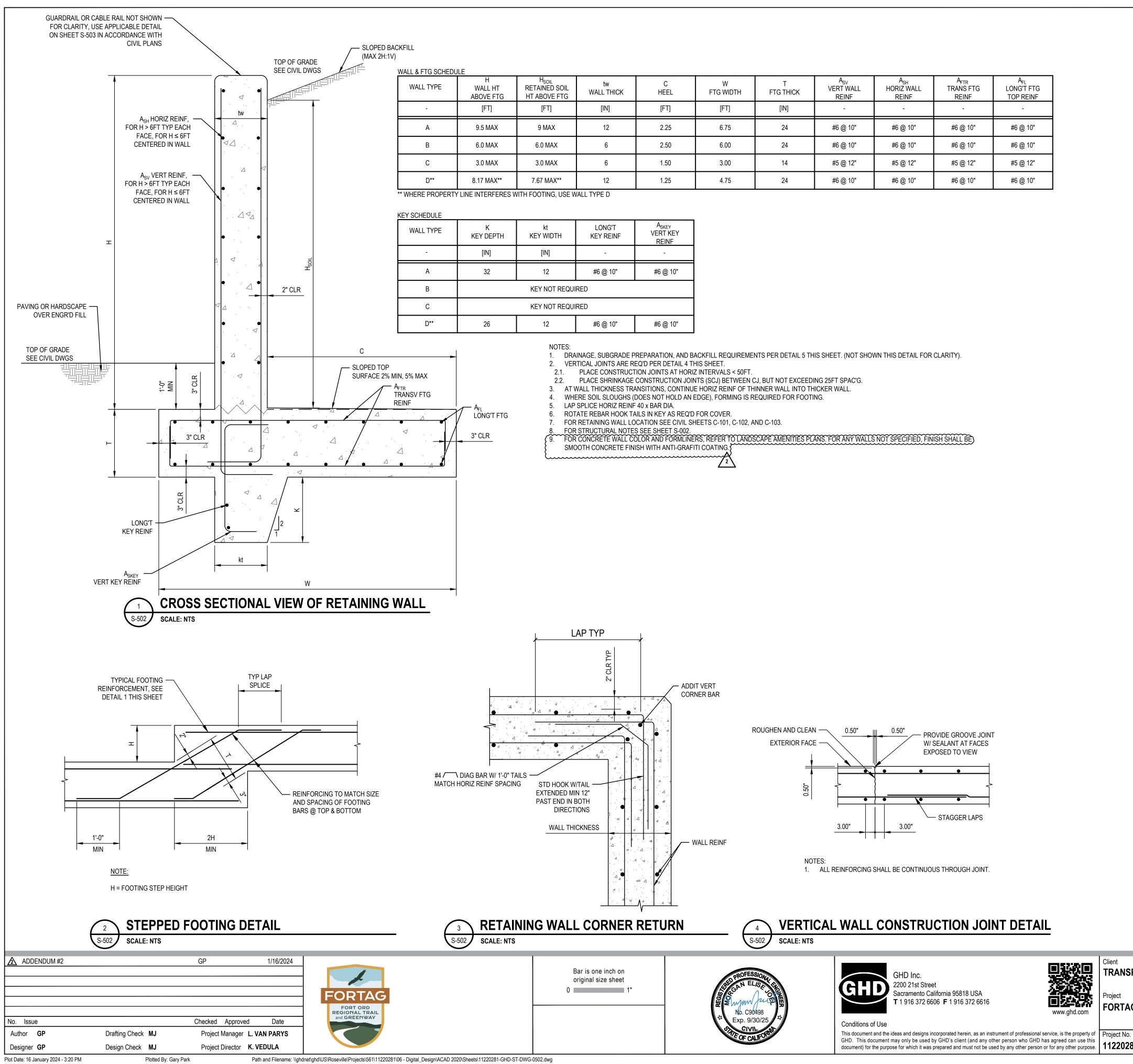
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D SOIL E FTG	tw WALL THICK	C HEEL	W FTG WIDTH	T FTG THICK	A _{SV} VERT WALL REINF	A _{SH} HORIZ WALL REINF	A _{FTR} TRANS FTG REINF	A _{FL} LONG'T FTG TOP REINF
	[IN]	[FT]	[FT]	[IN]	-	-	-	-
Х	12	2.25	6.75	24	#6 @ 10"	#6 @ 10"	#6 @ 10"	#6 @ 10"
ΑX	6	2.50	6.00	24	#6 @ 10"	#6 @ 10"	#6 @ 10"	#6 @ 10"
ΑX	6	1.50	3.00	14	#5 @ 12"	#5 @ 12"	#5 @ 12"	#5 @ 12"
\X**	12	1.25	4.75	24	#6 @ 10"	#6 @ 10"	#6 @ 10"	#6 @ 10"

Ή	LONG'T KEY REINF	A _{SKEY} VERT KEY REINF
	-	-
	#6 @ 10"	#6 @ 10"
REQUI	RED	
REQUI	RED	
	#6 @ 10"	#6 @ 10"



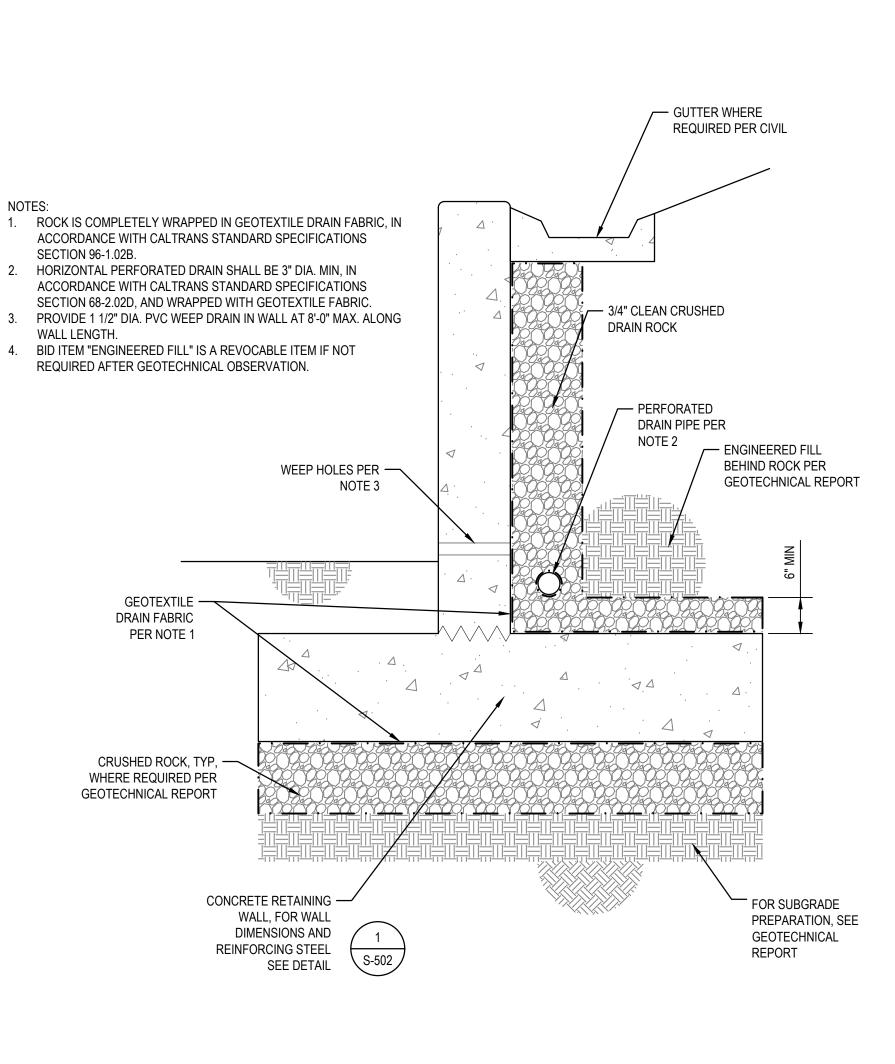


Client TRANSPORTATION /

NOTES:

FORTAG TRAIL PRO







AGENCY FOR MONTEREY CO	OUNTY	Title STANDARD STRUCTURAL DETAILS - RETAINING WALL 1 of 2	Size ANSI D
DJECT			Status Code
Date December 1, 2023	Scale AS SHOWN	Sheet No. S-502	Sheet 122 of 195

GENERAL LANDSCAPE NOTES

- 1. The Contractor shall comply with Caltrans standard plans for traffic control/construction area signage, if needed for
- 2. Coordinate electrical needs for irrigation controller and other electrical irrigation components as needed. See improvement plans for coordination with other trades.
- IRRIGATION AUDIT: Irrigation audit shall be conducted by a third party irrigation auditor. Land audits shall not be conducted by the person who designed the landscape or installed the landscape Irrigation audit required for projects as described in the Model Water Efficient Landscape Ordina CA C d 490 d r r r

The applicant shall submit an irrigation audit report with the Certificate of Completion to the local that may include, but is not limited to: inspection, system tune-up, system test with distribution uniformity, reporting overspray or run off that causes overland flow, and preparation of an irrigation schedule, including configuring irrigation controllers with application rate, soil types, plant factor exposure and other factors necessary for accurate programing.

4. <u>IRRIGATION RUNTIME SCHEDULE:</u> The Landscape Contractor shall provide the City of Del I Oaks, as part of the Irrigation Audit and Certification of Completion, an Irrigation Runtime Scheo This schedule shall break down individual valve schedules and runtimes based on the irrigation requirements determined during the irrigation audit.

2 ADDENDUM 02		TH 1/16/2	2024
Z ADDENDOW 02		111 1/10/2	.024
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			FORT ORD
No. Issue		Checked Approved Da	te
Author TH	Drafting Check LP	Project Manager L. VAN PAR	RYS
Designer TH	Design Check LP	Project Director K. VEDULA	
Plot Date: 17 January 2024 - 3:35 PM	Plotted By: Tom	Hessel Path and File	name: N:\US\Roseville\Projects\561\11220281\06 - Digital_Design\ACAD 2020\Sheets\11220281-GHD-LA-SPEC-0001 THRU 0007.dwg

REFERENCE NOTES SCHEDULE

	REFERE	ENCE NOTES SCHEDULE							
	SYMBOL	01 GENERAL DESCRIPTION	<u>QTY</u>	DETAIL		SYMBOL	03 CONCRETE DESCRIPTION	<u>QTY</u>	DETAIL
for this project.	01-01	PLANTER AREA - SEE SHEETS L-120 THRU L-129 FOR PLANTING PLANS. STEEL RAISED PLANTERS.		N/A 4/L-504		03-01	INTEGRAL COLOR CONCRETE PAVING COLOR: DAVIS COLOR 5237-SANDSTONE, OR APPROVED EQUAL LIGHT BROOM FINISH	17,440 SF	N/A
ee	SYMBOL	PLANTING AND SOIL BY OTHERS. <u>02 SITE</u> DESCRIPTION	QTY	DETAIL		03-02	SEE CIVIL PLANS FOR CONCRETE DETAILS	536 SF	2/L-507
ndecene	02-01	DECOMPOSED GRANITE SURFACE COLOR: TAN	4,239 SF	7/L-505			PATTERN: CEDAR WOOD PLANK BY BRICKFORM OR APPROVED EQUAL SEE DETAILS		
andscape dscape.		SUPPLIER: TBD SEE LANDSCAPE DETAILS FOR MORE INFO.				03-03	CONCRETE STAMP - B STONE TEXTURE SEE DETAILS	2,057 SF	2/L-507
dinance, 23	02-02	ROCK BLANKET COBBLE ROCK SET IN CONCRETE. SEE LANDSCAPE DETAILS.	841 SF	1/L-506		03-04	DECORATIVE CONCRETE SURFACING		4/L-507
ocal agency	02-03	RIVER COBBLE RIP RAP TYPE: RIVERBED MIX - 1/4"-8" COBBLE FROM HASTIE`S OR APPROVED EQUAL	569 SF	N/A			ENDURABLEND OR APPROVED EQUAL COLOR-PMS 626 SEE LANDSCAPE DETAILS FOR LAYOUT		
igation	02-04	WOOD MULCH	2,518 SF	N/A		03-05	FORTAG LOGO - WAYFINDING AND TRAIL IDENTIFICATION. ORIENTATION TBD IN FIELD WITH CLIENT REPRESENTATIVE. MANUFACTURER: ENDURABLEND OR APPROVED EQUAL		1/L-507
ctors, slope,		TYPE: WOOD MULCH SHALL BE WOOD CHIP DEPTH: 4"				03-06	CONCRETE SEAT WALLS POURED-IN-PLACE CONCRETE SEAT WALLS WITH FORMLINER FINISH AND STAIN.		3/L-505
el Rey hedule.	02-05	BOLLARDS MANU: COLUMBIA CASCADE COMPANY MODEL: 2179-02-P CONTEMPORARY BOLLARD OR APPROVED EQUAL		2/L-504			FORMLINER: FITZLOK-17003LP MANKATO QUARRIED STONE (BY FITZGERALD FORMLINERS) COLOR: STAIN (SEE DETAIL 1/L508) WALL CAP: HANDELSTONE WC510: SANDSTONE - STONE FINISH -103		
ion volume	02-06	CAMBER BENCH MANU: FORMS & SURFACES MODEL: SBCAM-72BW DESC: CAMBER BENCH, 6', FSC 100% CUMARU HARWOOD SLATS COLOR: RAL COLOR POWDERCOAT (TBD) OR APPROVED EQUAL		5/L-504		03-07	CONCRETE WALL FORMLINER-01 POURED-IN-PLACE CONCRETE WALLS WITH FORMLINER FINISH AND STAIN. FORMLINER: FITZLOK-17003LP MANKATO QUARRIED STONE (BY FITZGERALD FORMLINERS) COLOR: STAIN (COLORS AND MANUF. TBD) CONTRACTOR TO DEVLEOP 4 SAMPLE PALLETES FOR REVIEW AND APPROVAL. SEE CIVIL PLANS FOR RETAINING WALL DETAILS AND COORDINATION.		1/L-508
	02-07	CORDIATRASH AND RECYCLE RECEPTICLES MANU: FORMS & SURFACES MODEL NO: SLCOR-136C DESC: CORDIA RECEPTACLE, 36-GALLON, SINGLE-STREAM, (1) 36-GALLON LINER, FSC® 100% CUMARU HARDWOOD. OTPTIONAL ALUMINUM RAIN COVER. OR APPROVED EQUAL		5/L-505		03-08	CONCRETE WALL FORMLINER-02 POURED-IN-PLACE CONCRETE WALLS WITH FORMLINER FINISH. FORMLINER:PATTERN 16956-CORPS FIN (BY FITZGERALD FORMLINERS OR APPROVED EQUAL) INTEGRAL CONCRETE COLOR: DAVIS COLOR-6804-CLIFFSIDE BROWN SEE CIVIL AND STRUCTURAL PLANS FOR RETAINING WALL DETAILS AND		2/L-508
	02-08	HYDRATION STATION MANU: MDF (MOST DEPENDABLE FOUNTAINS) MODEL: 10145 SM OR SMSS W/ OPTIONAL PET FOUNTAIN COLOR: TEXTURED BLACK (TBD)		3/L-504	(03-09	COORDINATION. CONCRETE SEAT/PLANTER WALLS POURED-IN-PLACE CONCRETE SEAT WALLS WITH FORMLINER FINISH AND		6/L-504
	02-09	BAY CITY BIKE RACKS MANU: FORMS & SURFACES MODEL: SKBAY COLOR: TO MATCH OTHER FURNISHINGS (TBD)		4/L-505			STAIN. FORMLINER: FITZLOK-17003LP MANKATO QUARRIED STONE (BY FITZGERALD FORMLINERS) COLOR: STAIN (SEE DETAIL 1/L508) WALL CAP: HANDELSTONE WC510: SANDSTONE - STONE FINISH -103		
	02-10	BOULDERS MOSS ROCK BOULDERS SUPPLIER TBD. SIZES FROM 2`-5` SELECTION AND FINAL PLACEMENT TBD IN-FIELD.		1/L-505		<u>SYMBOL</u> [05-01]	05 METAL DESCRIPTION 4' HIGH TWO RAIL PICKET FENCE	<u>QTY</u>	<u>DETAIL</u> N/A
	02-11	INTERPRETIVE SIGNAGE - SIGNAGE ATTACHMENT, GRAPHICS CONTENT AND DETAILS BY OTHERS. SHOWN FOR DESIGN INTENT ONLY.		7/L-504			COLOR: BLACK FABRICATE IN-FIELD. CONTRACTOR TO SELECT FABRICATOR AND SUPPLY SHOP DRAWINGS FOR APROVAL.		
	02-12	NEW DEL REY OAKS WELCOME SIGNAGE. SEE DETAILS FOR CONCEPTUAL DESIGN.		5/L-506					
	02-13	BUTTERFLY GARDEN ARBOR STRUCTURE. MANU: POLIGON MODEL: MSE SIZE: CUSTOM 14`X16` ROOF: STANDING SEAM/T&G WOOD ROOF DECK COLOR: FRAME-POWDERCOAT BLACK (TBD), ROOF-PATINA GREEN, WOOD-BURNT HICKORY FINAL FINISH COLORS AND OPTIONS TBD		2/L-509					
	02-14	EDGING (METAL)		7/L-505					

Bar is one inch on original size sheet 0 1"





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GENCY FOR MONTEREY COUNTY	Title LANDSCAPE AMENITY NOTES & LEGENDS	Size ANSI D
IECT		Status Code
Date Scale December 1, 2023 AS SHOWN		No. Sheet 162 of 195

IRRIGATION SCHEDULE POC A

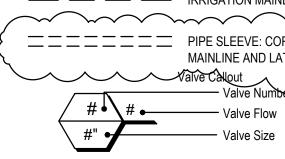
GENERAL IRRIGATION NOTES

- Plan is diagrammatic and not intended to show exact locations of piping and valves. All main line, gate valves, remote control valves and quick coupler valves shall be installed within the project area, in planting areas, whether shown there or not, and per Caltrans standard plans.
- Place flow sensor data cable from controller to master valve/flow 2. sensor in in its own 1" diameter sch. 40 gray electrical conduit. Coordinate electrical needs for irrigation controller and other electrical irrigation components as needed. See plans for coordination with other trades.
- It is the contractor's responsibility for providing appropriate sleeving 3. under all hardscape where it occurs. Routing of irrigation lines shown on plans is diagrammatic and it is the responsibility of the contractor to provide final irrigation piping locations and associated sleeving. At each mainline sleeve, provide a separate, appropriate-size sleeve for control/common wiring.
- The landscape Contractor shall coordinate his work with other trades 4. involved (I.E. Grading, Plumbing and Electrical Contractors).
- Pressure at point of connection (POC) shown on plans was observed 5. on site to be 40 psi at POC A, and 60 PSI at POC B. Contractor to pressure test all POC's prior to construction at multiple times of day to determine actual static pressure and provide results to Landscape Architect.
- Irrigation systems are designed to operate at 40 psi at point of 6. connection to domestic water supply. Landscape Contractor shall test pressure at point of connection prior to installation of the irrigation backflow prevention device, booster pump or any other irrigation equipment. Notify Landscape Architect immediately if pressure is below 40 psi or over 60 psi to determine needed pressure regulation devices. (i.e. boost pump or regulating valve.)

SOIL SAMPLING NOTES

- 1. LOCATIONS: Soil test pits to be taken at various locations where planting occurs and/or is discontinuous. Additional test locations will need to be determined in the field based on grading and soil observations that indicate the potential for change in soil conditions that may impact plant growth.
- 2. TIMING / SEQUENCE: soil tests shall be conducted after site rough grading (as shown on civil improvement plans) and prior to soil preparation and finish grading.
- 3. SOILS MANAGEMENT REPORT: soils shall be collected and submitted for testing in accordance with the Del Rey Oaks city code water efficient landscape requirements. Amend soils per soil report recommendations.

SYMBOL	MANUFACTURE
- C- CC 0.25 0.50	HUNTER RZWS 36IN. LONG RZV BUBBLER OPTIC CONNECTION T
<u>SYMBOL</u>	MANUFACTURE
	RAIN BIRD XCZ WIDE FLOW DR BALL VALVE WI 40PSI QUICK-CI
	AREA TO RECE RAIN BIRD XFS XFS SUB-SURF SHIELD TECHN SPACED AT 18" PATTERN. UV R
SYMBOL	MANUFACTURE
\bullet	RAIN BIRD PES PLASTIC INDUS GLOBE CONFIG RELIABLE PERF SIZE PER PLAN
	RAIN BIRD 44-L 1" BRASS QUIC STAINLESS STE AND 2-PIECE B
X	NIBCO T-113 CLASS 125 BRC SAME SIZE AS I
NV-A	GRISWOLD 226 1-1/2" PRESSUF COATING. CAS INSTALL PER M DIRECTLY TO T
A	HUNTER PED-S 12-STATION CO PEDESTAL.
\bigotimes	HUNTER ICD-10 SINGLE STATIC WIRE. TO BE IN (DECSTAKE10).
<u>(</u> ()	HUNTER WSS-S WIRELESS SOL CONNECTS TO NOTED. INCLUE INCLUDED.
FS	CREATIVE SEN 1.5IN. PVC TEE MOUNTING TEE FLOW MEASUR IRRIGATION CC
POC A	POINT OF CONI EXISTING WELL 40 GPM ESTIMA IN FIELD PRIOR AND PUMP REC
	IRRIGATION LA
	IRRIGATION MA
$\frown \frown \frown \frown \frown$	$\sim\sim\sim$



VALVE SCHEDULE - POC A

NUMBER	MODEL	<u>SIZE</u>	TYPE	<u>GPM</u>	WIRE	<u>PSI</u>	<u>PSI @ POC</u>	PRECIP
A1 A2 A3 A4 A5 A6 A7 A8	RAIN BIRD PESB RAIN BIRD PESB RAIN BIRD XCZ-100-PRB-COM RAIN BIRD PESB RAIN BIRD PESB RAIN BIRD XCZ-100-PRB-COM RAIN BIRD XCZ-100-PRB-COM RAIN BIRD PESB Common Wire	1" 1" 1" 1" 1" 1"	BUBBLER BUBBLER AREA FOR DRIPLINE BUBBLER AREA FOR DRIPLINE AREA FOR DRIPLINE BUBBLER	3 4.5 9.59 3.5 3 1.82 6.37 2.5	650.3 917.5 1,035 1,048 1,042 328.4 344.7 356.2 1,630	21.8 22.1 30.8 22.7 21.9 21.8 26.5 21.7	28.8 39.2 30.3 29.4 28.8 36.2 31.7	1.7 in/h 1.7 in/h 0.43 in/h 1.7 in/h 1.7 in/h 0.43 in/h 0.43 in/h 1.7 in/h

2 ADDENDUM 02		TH	1/16/2024	
				FORTAG
No. Issue		Checked Approved	Date	FORT ORD REGIONAL TRAIL and GREENWAY
Author TH	Drafting Check LP	Project Manager L. V	AN PARYS	
Designer TH	Design Check LP	Project Director K. V	/EDULA	
Plot Date: 17 January 2024 - 3:46 PM	Plotted By: Tom I	Hessel Pa	th and Filename: N:\U	S\Roseville\Projects\561\11220281\06 - Digital_Design\ACAD 2020\Sheets\11220281-GHD-LA-SPEC-0001 THRU 0007.dwg

OC A		
R/MODEL/DESCRIPTION	<u>QTY</u>	<u>PSI</u>
SLEEVE-36-CV VS WITH FILTER FABRIC SLEEVE, .25 GPM OR .50 GPM DNS, CHECK VALVE, 1/2IN. SWING JOINT FOR O 1/2IN. PIPE	32	20
R/MODEL/DESCRIPTION	<u>QTY</u>	
100-PRB-COM IP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1" TH 1" PESB VALVE AND 1" PRESSURE REGULATING HECK BASKET FILTER. 0.3 GPM-20 GPM	3	
IVE DRIPLINE 06-18 ACE PRESSURE COMPENSATING DRIPLINE W/COPPER DLOGY. 0.6 GPH EMITTERS AT 18" O.C. LATERALS APART, WITH EMITTERS OFFSET FOR TRIANGULAR ESISTANT. SPECIFY XF INSERT FITTINGS.	3,995 S.F.	
R/MODEL/DESCRIPTION	<u>QTY</u>	
3 TRIAL VALVES. LOW FLOW OPERATING CAPABILITY, URATION. WITH SCRUBBER TECHNOLOGY FOR ORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS. S (1").	5	
RC K-COUPLING VALVE, WITH CORROSION-RESISTANT EL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, DDY.	12	
NZE GATE SHUT OFF VALVE WITH WHEEL HANDLE, //AINLINE PIPE DIAMETER (2") AT VALVE LOCATION.	3	
DKE 1-1/2" E REDUCING, NORMALLY OPEN MASTER VALVE. EPOXY T IRON AND BRONZE MATERIAL. NPT END CONNECTION. ANUFACTURER`S RECOMMENDATIONS AND WIRE HE CONTROLLER.		
S-A2C-1200-M NTROLLER IN AN OUTDOOR STAINLESS STEEL	1	
0 N DECODER W/SURGE SUPPRESSION AND GROUND STALLED ON UNIVERSAL DECODER STAKE KIT	8	
EN AR, RAIN FREEZE SENSOR WITH OUTDOOR INTERFACE, HUNTER X-CORE AND ACC CONTROLLERS, INSTALL AS IES GUTTER MOUNT BRACKET. MODULE NOT	1	
SOR TECHNOLOGY FSI-T15-001 TYPE FLOW SENSOR W/SOCKET ENDS, CUSTOM AND ULTRA LIGHTWEIGHT IMPELLER ENHANCES LOW EMENT. 2 WIRE DIGITAL OUTPUT COMPATIBLE W/ALL NTROLLERS. FLOW RANGE 1.8 GPM - 108 GPM.	1	
NECTION		
TED PRESSURE. CONTRACTOR TO VERIFY CONDITIONS TO CONSTRUCTION TO DETERMINE SOURCE VIABILITY DUIREMENTS.	1	
FERAL LINE: PVC SCHEDULE 40	1,653 L.F.	
INLINE: PVC SCHEDULE 40	1,624 L.F.	
CORRUGATED HDPE PIPE LATERAL SLEEVE	75.7 L.F.	\sim
iber	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	\sim
\sim \sim \sim \sim		

IRRIGATION SCHEDULE POC B

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	<u>QTY</u>	PSI		
C- 101 0.25 0.50	HUNTER RZWS-SLEEVE-36-CV 36IN. LONG RZWS WITH FILTER FABRIC SLEEVE, .25 GPM OR .50 GPM BUBBLER OPTIONS, CHECK VALVE, 1/2IN. SWING JOINT FOR CONNECTION TO 1/2IN. PIPE	12	20		
<u>SYMBOL</u>	MANUFACTURER/MODEL/DESCRIPTION	<u>QTY</u>	<u>PSI</u>		
	RAIN BIRD XCZ-100-PRB-COM WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1" BALL VALVE WITH 1" PESB VALVE AND 1" PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 0.3 GPM-20 GPM	4			
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFS-06-18				
	XFS SUB-SURFACE PRESSURE COMPENSATING DRIPLINE W/COPPER SHIELD TECHNOLOGY. 0.6 GPH EMITTERS AT 18" O.C. LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. UV RESISTANT, SPECIFY XF INSERT FITTINGS.	7,001 S.F.	20	CRITICAL ANALYS Generated:	2023-02-28 15:31
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY		P.O.C. NUMBER: B Water Source Information:	EXISTING CORP YARD ME
	RAIN BIRD PESB PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY,			FLOW, PRESSURE, CAPACITY / INVESTIGATION AND USE AGR SOURCE TBD.	AND AVAILABILITY UNKNOWN
	GLOBE CONFIGURATION. WITH SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS. SIZE PER PLANS (1").	2		FLOW AVAILABLE Point of Connection Size:	2"
	RAIN BIRD 44-LRC 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 2-PIECE BODY.	5		Flow Available PRESSURE AVAILABLE Static Pressure at POC: Pressure Available:	77.18 GPM 60 PSI 60 PSI
X	NIBCO T-113 CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER (2") AT VALVE LOCATION.	4		DESIGN ANALYSIS Maximum Station Flow:	11.44 GPM
NV−B	GRISWOLD 2260KE 1-1/2" 1-1/2" PRESSURE REDUCING, NORMALLY OPEN MASTER VALVE. EPOXY COATING. CAST IRON AND BRONZE MATERIAL. NPT END CONNECTION. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND WIRE DIRECTLY TO THE CONTROLLER.	1		Flow Available at POC: Residual Flow Available: Critical Station: Design Pressure: Friction Loss:	77.18 GPM 65.74 GPM B5 20 PSI 1.79 PSI
В	HUNTER PED-SS-A2C-1200-M 12-STATION CONTROLLER IN AN OUTDOOR STAINLESS STEEL PEDESTAL.	1		Fittings Loss: Elevation Loss: Loss through Valve: Pressure Req. at Critical Station:	0.18 PSI 0 PSI 8.94 PSI 30.9 PSI
\bigotimes	HUNTER ICD-100 SINGLE STATION DECODER W/SURGE SUPPRESSION AND GROUND WIRE. TO BE INSTALLED ON UNIVERSAL DECODER STAKE KIT (DECSTAKE10).	6		Loss for Fittings: Loss for Main Line: Loss for POC to Valve Elevation: Loss for Backflow: Loss for Master Valve:	0.05 PSI 0.54 PSI 0 PSI 0 PSI 1.3 PSI
\$\$\$	HUNTER WSS-SEN WIRELESS SOLAR, RAIN FREEZE SENSOR WITH OUTDOOR INTERFACE, CONNECTS TO HUNTER X-CORE AND ACC CONTROLLERS, INSTALL AS NOTED. INCLUDES GUTTER MOUNT BRACKET. MODULE NOT INCLUDED.	1		Critical Station Pressure at POC: <u>Pressure Available:</u> Residual Pressure Available:	32.8 PSI <u>60 PSI</u> 27.2 PSI
FS	CREATIVE SENSOR TECHNOLOGY FSI-T15-001 1.5IN. PVC TEE TYPE FLOW SENSOR W/SOCKET ENDS, CUSTOM MOUNTING TEE AND ULTRA LIGHTWEIGHT IMPELLER ENHANCES LOW FLOW MEASUREMENT. 2 WIRE DIGITAL OUTPUT COMPATIBLE W/ALL IRRIGATION CONTROLLERS. FLOW RANGE 1.8 GPM - 108 GPM.	1			
РОС В	POINT OF CONNECTION 2" EXISTING CORP YARD METER FLOW, PRESSURE, CAPACITY AND AVAILABILITY UNKNOWN. INVESTIGATION AND USE AGREEMENT NEEDS COORDINATION. SOURCE TBD.	1			
	- IRRIGATION LATERAL LINE: PVC SCHEDULE 40	693.9 L.F.			
	- IRRIGATION MAINLINE: PVC SCHEDULE 40	625.4 L.F.			
	PIPE SLEEVE: CORRUGATED HDPE PIPE MAINLINE AND LATERAL SLEEVE	281.8 L.F.	\sim	}	

— Valve Size

VALVE SCHEDULE - POC B

NUMBER	MODEL	SIZE	TYPE
B1	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOF
B2	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOF
B3	RAIN BIRD PESB	1"	BUBBLER
B4	RAIN BIRD PESB	1"	BUBBLER
B5	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOF
B6	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOF
	Common Wire		

EA FC

Bar is one inch on original size sheet

0 1"



GHD Inc. 2200 21st Street Sacramento Califo Sacramento California 95818 USA **T** 1 916 372 6606 **F** 1 916 372 6616

CRITICAL ANALYSIS-POC A

40 GPM ESTIMATED PRESSURE. CONTRACTOR TO

CONSTRUCTION TO DETERMINE SOURCE VIABILITY

VERIFY CONDITIONS IN FIELD PRIOR TO

Generated:

P.O.C. NUMBER: A

FLOW AVAILABLE Custom Max Flow:

PRESSURE AVAILABLE Static Pressure at POC:

Pressure Available:

DESIGN ANALYSIS

Maximum Station Flow:

Flow Available at POC: Residual Flow Available:

Critical Station:

Friction Loss:

Fittings Loss: Elevation Loss:

Loss for Fittings:

Loss for Main Line:

Loss for Backflow:

Loss for Master Valve:

Pressure Available:

Design Pressure:

Loss through Valve:

Pressure Req. at Critical Station:

Loss for POC to Valve Elevation:

Critical Station Pressure at POC:

Residual Pressure Available:

Flow Available

Water Source Information:

AND PUMP REQUIREMENTS.

2023-03-18 13:58

EXISTING WELL

90 GPM

90 GPM

40 PSI 40 PSI

9.59 GPM <u>90 GPM</u> 80.41 GPM

A3

20 PSI

3.45 PSI

0.34 PSI

7.03 PSI 30.8 PSI

0.09 PSI

0.89 PSI

0 PSI

0 PSI

1.3 PSI

33.1 PSI

40 PSI 6.89 PSI

0 PSI

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TRANSPORTATION A

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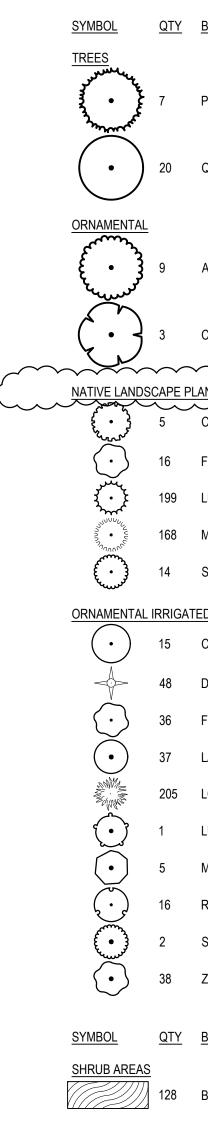
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	<u>GPM</u>	WIRE	<u>PSI</u>	PSI @ POC	PRECIP	
or Dripline or Dripline r r or Dripline or Dripline	7.75 7.07 2.5 3.5 11.44 6.09	160.5 193.6 199.1 459.9 469.2 527.5 626.6	26.2 25.8 21.6 21.8 30.9 25.3	27.2 22.9 23.2 32.8 26.8	0.43 in/h 0.43 in/h 1.7 in/h 1.7 in/h 0.43 in/h 0.43 in/h	

AGENCY FOR MONTEREY C	DUNTY	Title LANDSCAPE IRRIGATION NOTES & LEGENDS		Size ANSI D
JECT				Status Code
Date December 1, 2023	Scale AS SHOWN		Sheet No. L-002	Sheet 163 of 195

2 ADDENDUM 02		TH 1/16/2024	
			FORTAG
			FORT ORD REGIONAL TRAIL
No. Issue		Checked Approved Date	and GREENWAY
Author TH	Drafting Check LP	Project Manager L. VAN PARYS	
Designer TH	Design Check LP	Project Director K. VEDULA	
Plot Date: 17 January 2024 - 11:55 AM	Plotted By: Tom	Hessel Path and Filename: N:\l	US\Roseville\Projects\561\11220281\06 - Digital_Design\ACAD 2020\Sheets\11220281-GHD-LA-SPEC-0001 THRU 0007.dwg

PLANT SCHEDULE



2

Bar is one inch on original size sheet 0 1"





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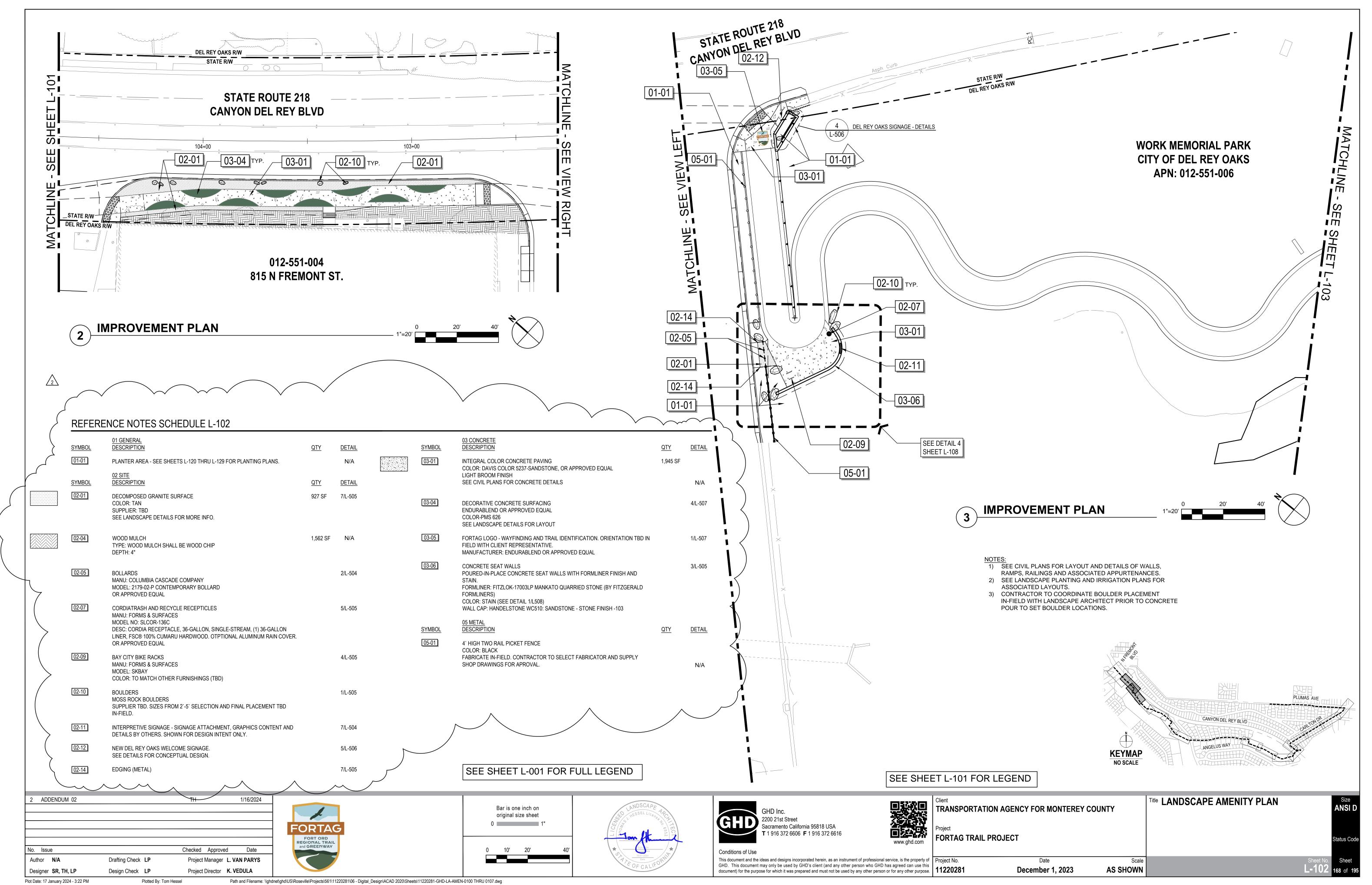
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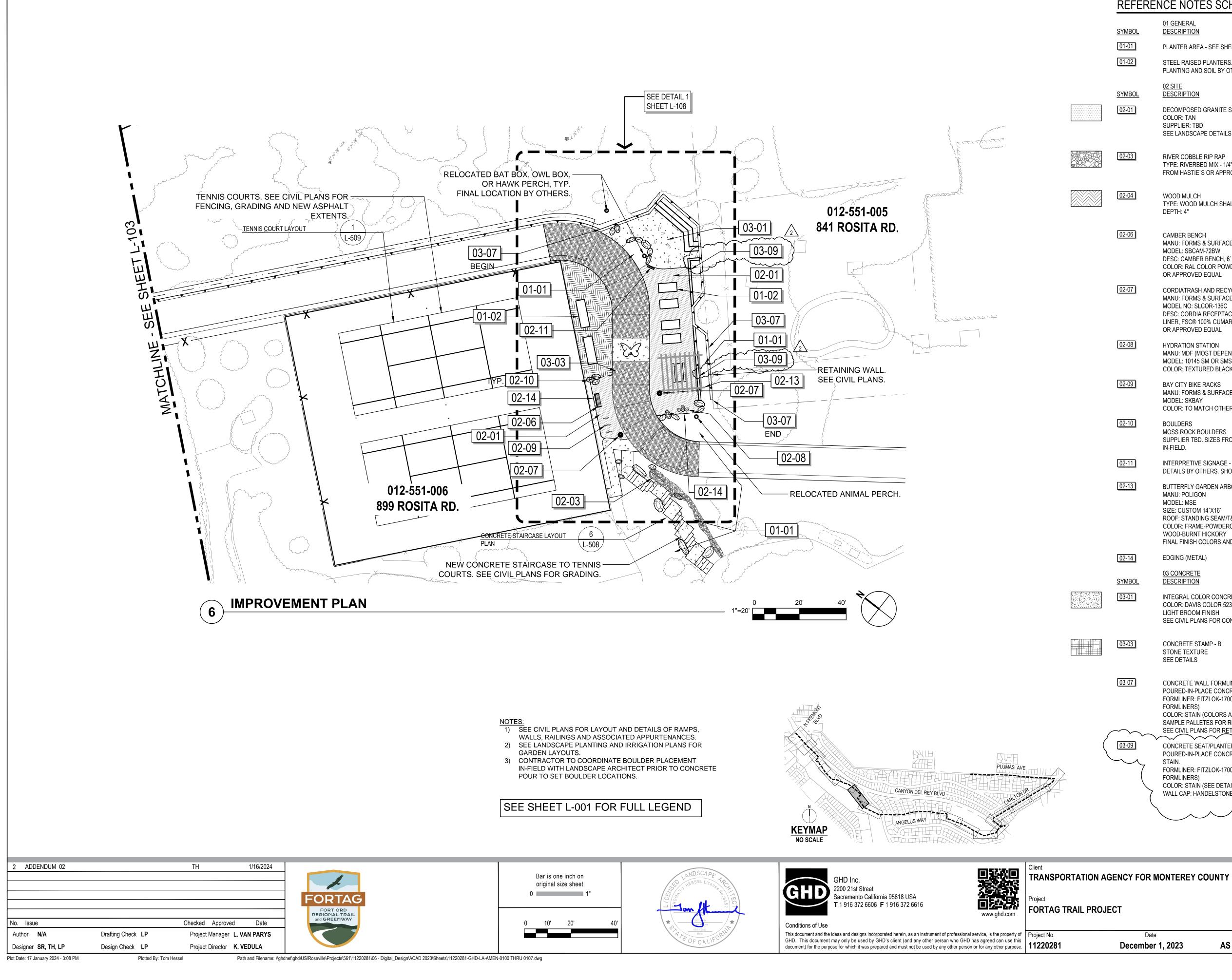
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BOTANICAL NAME	COMMON NAME	<u>CONT</u>		<u>REMARK</u> <u>S</u>
PINUS RADIATA	MONTEREY PINE	15 GAL		
QUERCUS AGRIFOLIA	COAST LIVE OAK	15 GAL		
ARBUTUS X 'MARINA'	MARINA STRAWBERRY TREE STANDARD	24" BOX		
CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	24" BOX		
CEANOTHUS THYRSIFLORUS	BLUEBLOSSOM	5 GAL		
FRANGULA CALIFORNICA	COFFEEBERRY	5 GAL		
LEYMUS CONDENSATUS 'CANYON PRINCE'	CANYON PRINCE GIANT WILD RYE	1 GAL		
MUHLENBERGIA RIGENS	DEER GRASS	1 GAL		
SALVIA MELLIFERA	BLACK SAGE	5 GAL		
ED LANDSCAPE				
CEANOTHUS X 'CONCHA'	CONCHA WILD LILAC	5 GAL		
DIETES BICOLOR	FORTNIGHT LILY	1 GAL		
FRANGULA CALIFORNICA 'EVE CASE'	EVE CASE COFFEEBERRY	5 GAL		
LAVANDULA ANGUSTIFOLIA	ENGLISH LAVENDER	1 GAL		
LOMANDRA LONGIFOLIA 'BREEZE' TM	BREEZE MAT RUSH	1 GAL		
LUPINUS ALBIFRONS	BUSH LUPINE	1 GAL		
MIMULUS AURANTIACUS	STICKY MONKEYFLOWER	1 GAL		
ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	HUNTINGTON CARPET ROSEMARY	5 GAL		
SALVIA MICROPHYLLA 'LITTLE KISS'	LITTLE KISS GRAHAM SAGE	1 GAL		
ZAUSCHNERIA CALIFORNICA 'BERT'S BLUFF'	BERT'S CALIFORNIA FUCHSIA	1 GAL		
BOTANICAL NAME	COMMON NAME	<u>CONT</u>	SPACING	<u>REMARK</u> <u>S</u>
BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GRAMA	1 GAL.	36" o.c.	

AGENCY FOR MONTEREY COUNTY	Title LANDSCAPE PLANTING LEGEND	Size ANSI D
JECT		Status Code
Date Scale December 1, 2023 AS SHOWN	Sheet No. L-004	Sheet 165 of 195



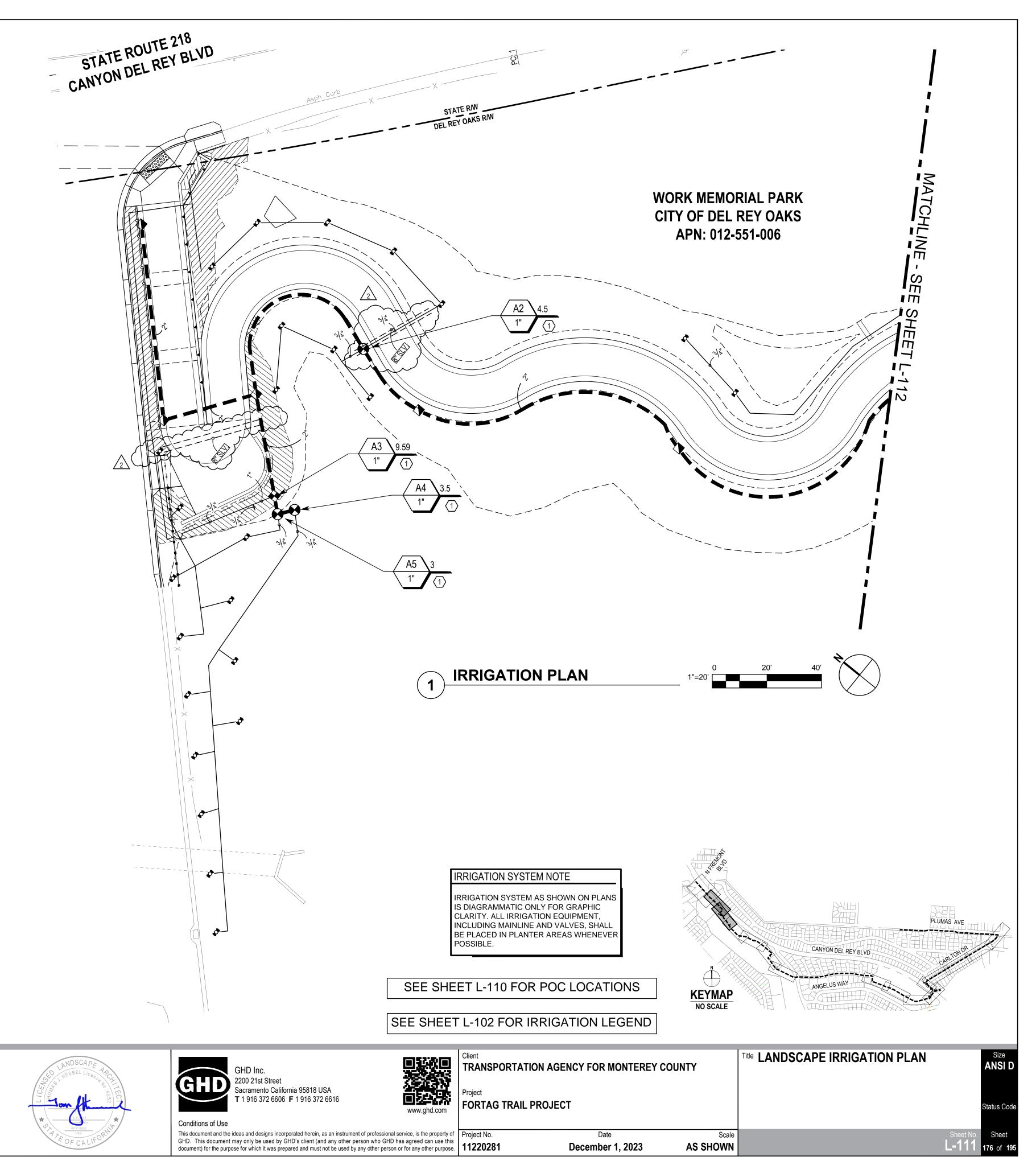


REFERENCE NOTES SCHEDULE L-104

<u>SYMBOL</u>	01 GENERAL DESCRIPTION	<u>QTY</u>	DETAIL
01-01	PLANTER AREA - SEE SHEETS L-120 THRU L-129 FOR PLANTING PLANS.		N/A
01-02	STEEL RAISED PLANTERS. PLANTING AND SOIL BY OTHERS.		4/L-504
SYMBOL	02 SITE DESCRIPTION	<u>QTY</u>	DETAIL
02-01	DECOMPOSED GRANITE SURFACE COLOR: TAN SUPPLIER: TBD SEE LANDSCAPE DETAILS FOR MORE INFO.	1,319 SF	7/L-505
02-03	RIVER COBBLE RIP RAP TYPE: RIVERBED MIX - 1/4"-8" COBBLE FROM HASTIE`S OR APPROVED EQUAL	145 SF	N/A
02-04	WOOD MULCH TYPE: WOOD MULCH SHALL BE WOOD CHIP DEPTH: 4"	660 SF	N/A
02-06	CAMBER BENCH MANU: FORMS & SURFACES MODEL: SBCAM-72BW DESC: CAMBER BENCH, 6', FSC 100% CUMARU HARWOOD SLATS COLOR: RAL COLOR POWDERCOAT (TBD) OR APPROVED EQUAL		5/L-504
02-07	CORDIATRASH AND RECYCLE RECEPTICLES MANU: FORMS & SURFACES MODEL NO: SLCOR-136C DESC: CORDIA RECEPTACLE, 36-GALLON, SINGLE-STREAM, (1) 36-GALLON LINER, FSC® 100% CUMARU HARDWOOD. OTPTIONAL ALUMINUM RAIN COVER. OR APPROVED EQUAL		5/L-505
02-08	HYDRATION STATION MANU: MDF (MOST DEPENDABLE FOUNTAINS) MODEL: 10145 SM OR SMSS W/ OPTIONAL PET FOUNTAIN COLOR: TEXTURED BLACK (TBD)		3/L-504
02-09	BAY CITY BIKE RACKS MANU: FORMS & SURFACES MODEL: SKBAY COLOR: TO MATCH OTHER FURNISHINGS (TBD)		4/L-505
02-10	BOULDERS MOSS ROCK BOULDERS SUPPLIER TBD. SIZES FROM 2`-5` SELECTION AND FINAL PLACEMENT TBD IN-FIELD.		1/L-505
02-11	INTERPRETIVE SIGNAGE - SIGNAGE ATTACHMENT, GRAPHICS CONTENT AND DETAILS BY OTHERS. SHOWN FOR DESIGN INTENT ONLY.		7/L-504
02-13	BUTTERFLY GARDEN ARBOR STRUCTURE. MANU: POLIGON MODEL: MSE SIZE: CUSTOM 14`X16` ROOF: STANDING SEAM/T&G WOOD ROOF DECK COLOR: FRAME-POWDERCOAT BLACK (TBD), ROOF-PATINA GREEN, WOOD-BURNT HICKORY FINAL FINISH COLORS AND OPTIONS TBD		2/L-509
02-14	EDGING (METAL)		7/L-505
SYMBOL	03 CONCRETE DESCRIPTION	<u>QTY</u>	DETAIL
03-01	INTEGRAL COLOR CONCRETE PAVING COLOR: DAVIS COLOR 5237-SANDSTONE, OR APPROVED EQUAL LIGHT BROOM FINISH SEE CIVIL PLANS FOR CONCRETE DETAILS	 1,165 SF	N/A
03-03	CONCRETE STAMP - B STONE TEXTURE SEE DETAILS	1,933 SF	2/L-507
03-07	CONCRETE WALL FORMLINER-01 POURED-IN-PLACE CONCRETE WALLS WITH FORMLINER FINISH AND STAIN. FORMLINER: FITZLOK-17003LP MANKATO QUARRIED STONE (BY FITZGERALD FORMLINERS) COLOR: STAIN (COLORS AND MANUF. TBD) CONTRACTOR TO DEVLEOP 4 SAMPLE PALLETES FOR REVIEW AND APPROVAL. SEE CIVIL PLANS FOR RETAINING WALL DETAILS AND COORDINATION.		1/L-508
03-09 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	CONCRETE SEAT/PLANTER WALLS POURED-IN-PLACE CONCRETE SEAT WALLS WITH FORMLINER FINISH AND STAIN. FORMLINER: FITZLOK-17003LP MANKATO QUARRIED STONE (BY FITZGERALD	\checkmark	6/L-504
	FORMEINER: FITZEOR-TYOUSEP MAINATO QUARRIED STONE (BY FITZGERALD FORMLINERS) COLOR: STAIN (SEE DETAIL 1/L508) WALL CAP: HANDELSTONE WC510: SANDSTONE - STONE FINISH -103	\mathcal{I}	\int_{2}

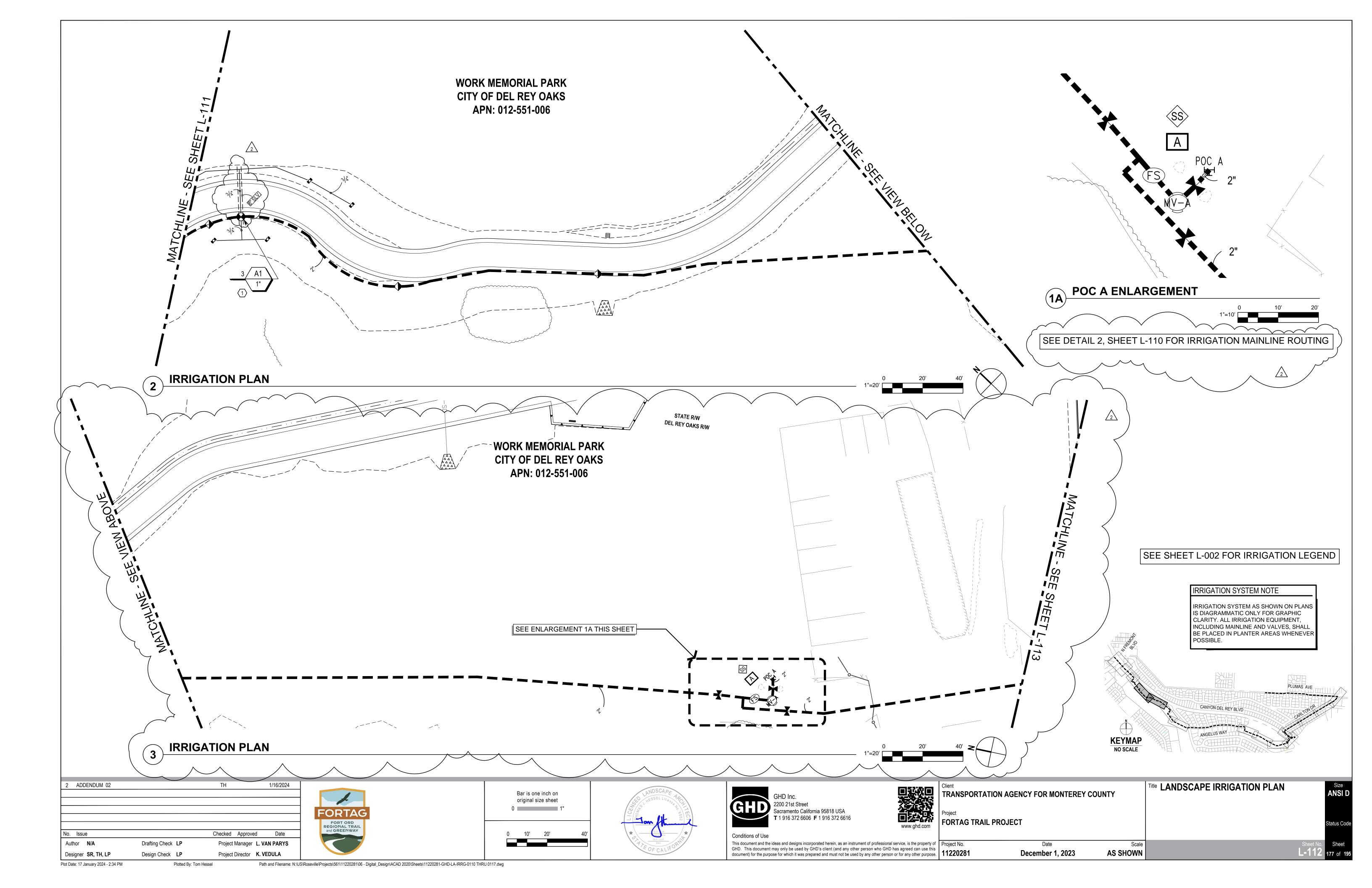
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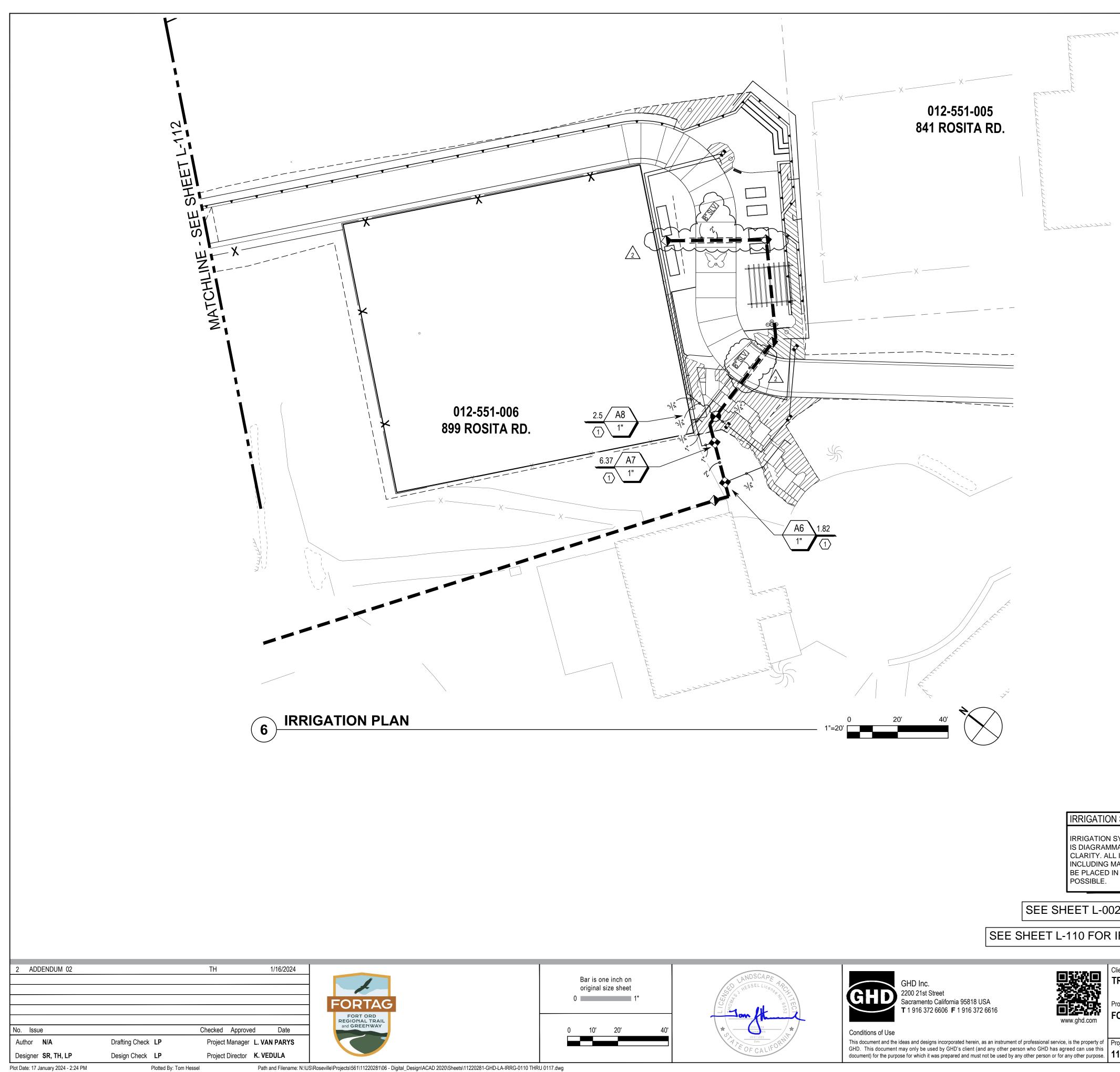
2 ADDENDUM 02		TH	1/16/2024		
				FORTAG	
No. Issue		Checked Approved	Date	FORT ORD REGIONAL TRAIL and GREENWAY	
Author N/A	Drafting Check LP	Project Manager L.	VAN PARYS		
Designer SR, TH, LP	Design Check LP	Project Director K.	VEDULA		
Plot Date: 17 January 2024 - 2:32 PM	Plotted By: Ton	n Hessel Pa	ath and Filename: N:\U		HRU 0117.dv



Bar is one inch on original size sheet 0 1" 10' 20'







IRRIGATION SYSTEM NOTE

IRRIGATION SYSTEM AS SHOWN ON F IS DIAGRAMMATIC ONLY FOR GRAPHI CLARITY. ALL IRRIGATION EQUIPMENT INCLUDING MAINLINE AND VALVES, SI BE PLACED IN PLANTER AREAS WHEN POSSIBLE

SEE SHEET L-002 FOR IRRIGAT

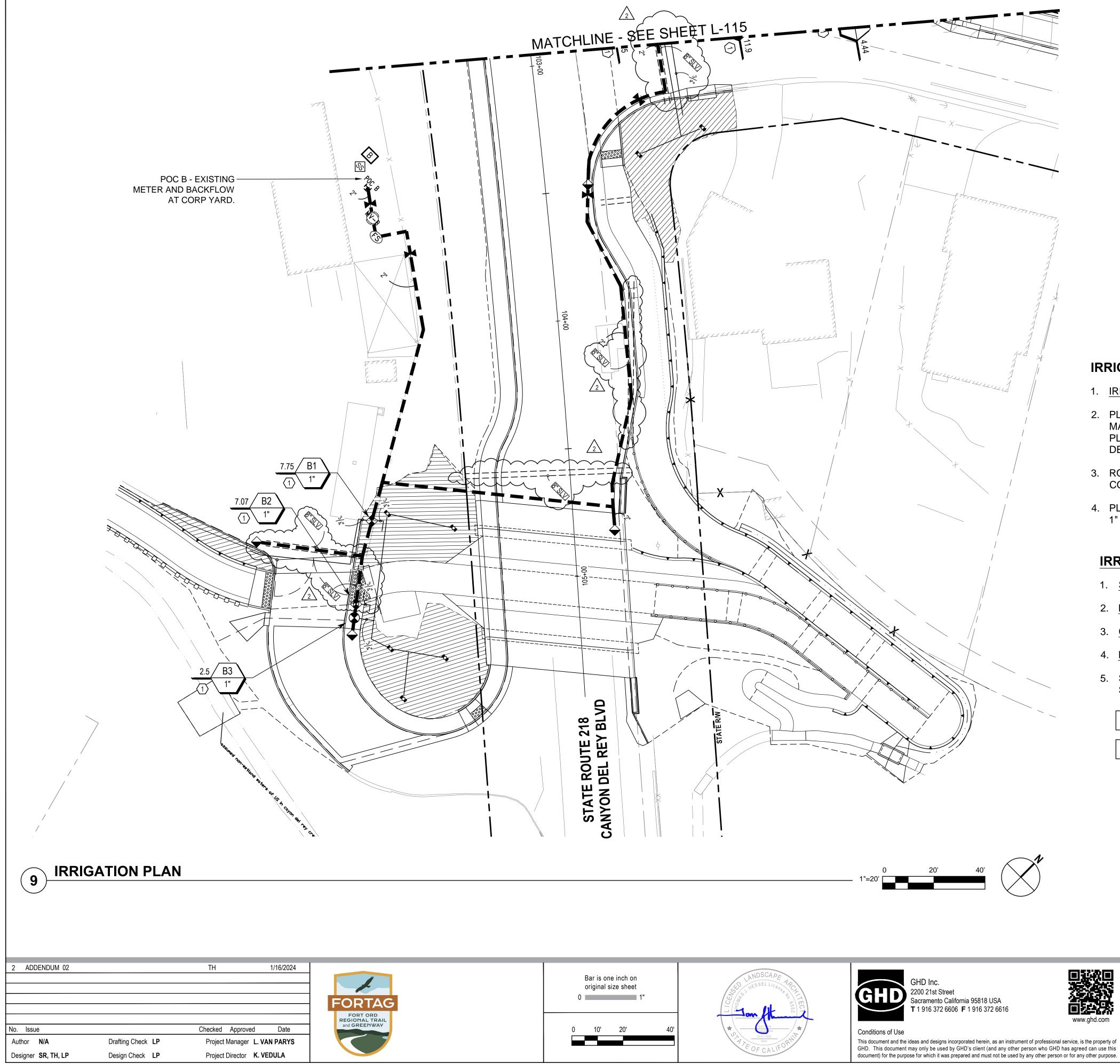
SEE SHEET L-110 FOR IRRIGATION M

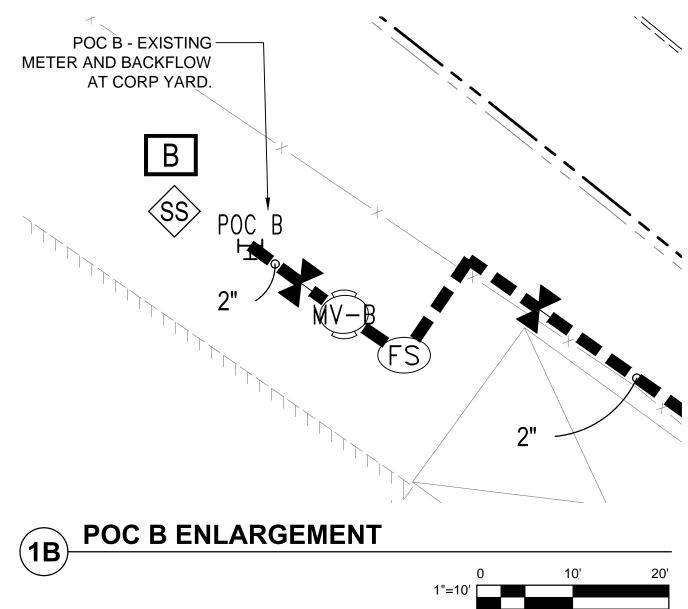
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IN PLANS PHIC ENT, 5, SHALL HENEVER	KEYMAP NO SCALE	PLUMAS AVE PLUMAS AVE CANYON DEL REY BLVD CANYON DEL REY BLVD CANY	
AGENCY FOR MONTEREY CO	UNTY	Title LANDSCAPE IRRIGATION PLAN	Size ANSI D
JECT			Status Code
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IRRIGATION MAINLINE AND LAYOUT NOTES

- DETAIL.

IRRIGATION POINT OF CONNECTION NOTES

- 2. MAXIMUM STATION FLOW: 12 GPM

SEE SHEET L-002 FOR IRRIGATION LEGEND

Client **TRANSPORTATION A**

FORTAG TRAIL PROJI

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11220281

1. IRRIGATION MAINLINE PIPE SIZE TO BE 2" DIA. SCH 40 PVC.

2. PLAN IS DIAGRAMMATIC AND NOT INTENDED TO SHOW EXACT LOCATIONS OF PIPING AND VALVES. ALL MAIN LINE, GATE VALVES, RCV'S AND QCV'S SHALL BE INSTALLED WITHIN THE PROJECT AREA, IN PLANTING AREAS, WHETHER SHOWN THERE OR NOT. SEE 20-SCALE IRRIGATION PLANS FOR MORE

3. ROUTE IRRIGATION CONTROL WIRE IN SAME TRENCH AS IRRIGATION MAIN LINE. PLACE "2-WIRE" CONTROL CONNECTIONS IN ITS OWN 1" DIAMETER SCH. 40 GRAY ELECTRICAL CONDUIT.

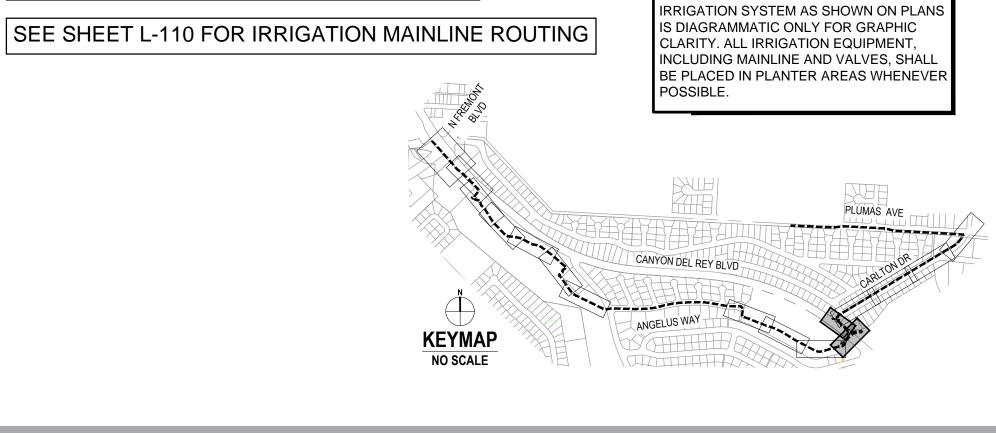
4. PLACE FLOW SENSOR DATA CABLE FROM CONTROLLER TO MASTER VALVE/FLOW SENSOR IN ITS OWN 1" DIAMETER SCH. 40 GRAY ELECTRICAL CONDUIT.

1. STATIC WATER PRESSURE AVAILABLE AT POC: 60 PSI

3. CRITICAL STATION PRESSURE REQUIRED AT POC: 32.5 PSI

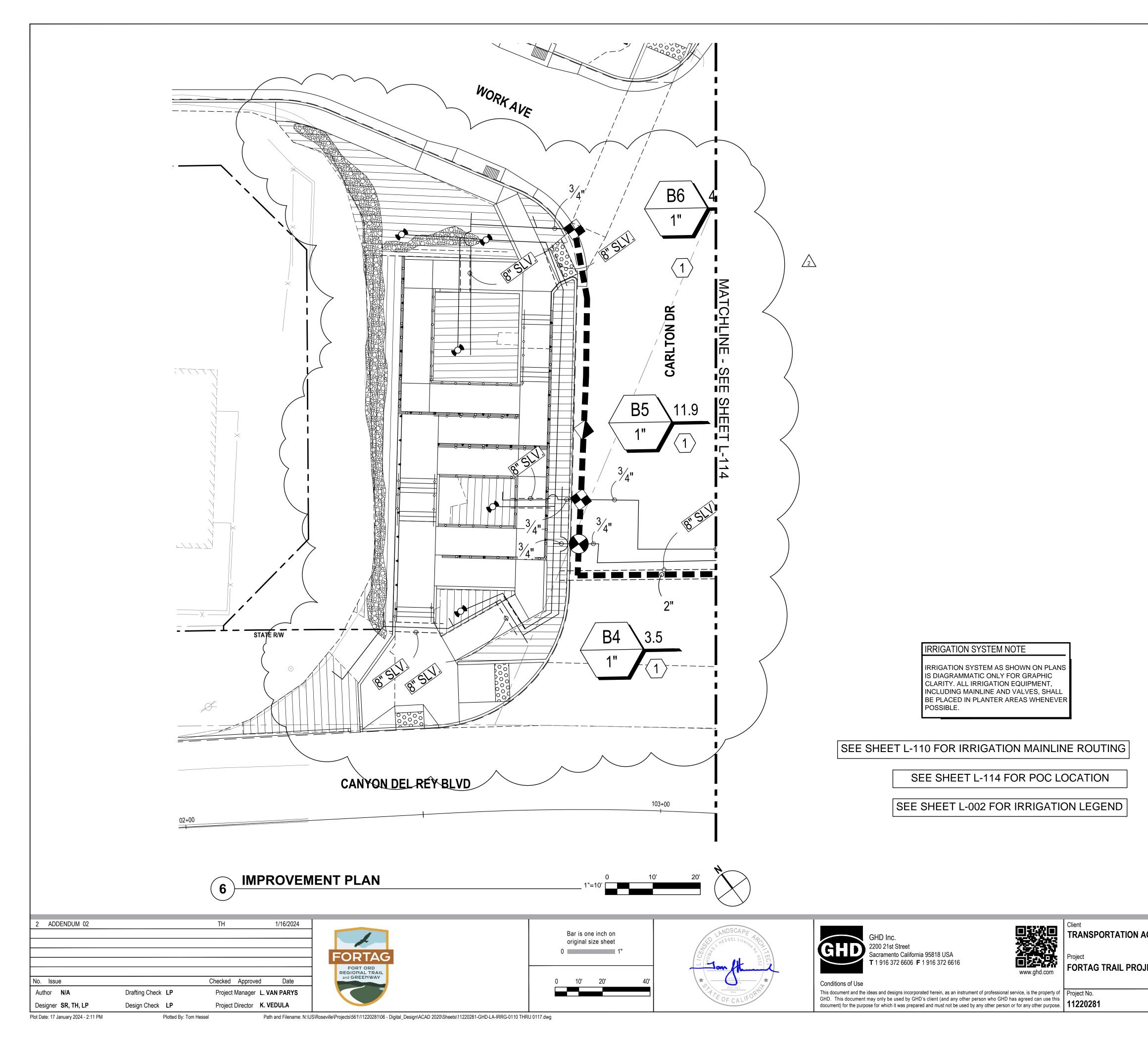
4. RESIDUAL PRESSURE AS DESIGNED: 27.5 PSI

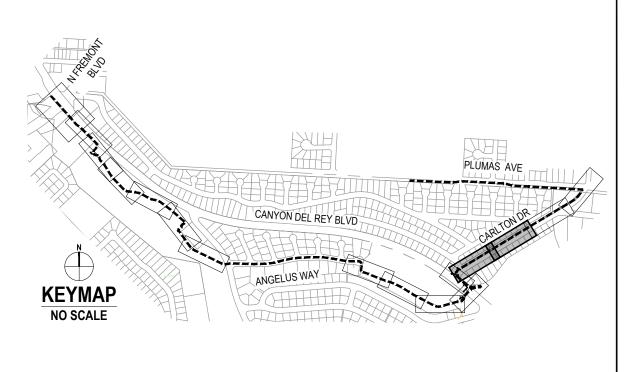
5. SEE SHEET L-002 FOR FULL CRITICAL ANALYSIS, VALVE SCHEDULE, AND ADDITIONAL IRRIGATION NOTES.



IRRIGATION SYSTEM NOTE

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AGENCY FOR MONTEREY COUNTY		Size ANSI D
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	PLANT SCHEDULE L-121				
	SYMBOL	<u>QTY</u>	BOTANICAL NAME	COMMON NAME	CONT
	TREES Jorden Contraction	4	PINUS RADIATA	MONTEREY PINE	15 GAL
	(\cdot)	17	QUERCUS AGRIFOLIA	COAST LIVE OAK	15 GAL
	ORNAMENTAL	2	ARBUTUS X 'MARINA'	MARINA STRAWBERRY TREE STANDARD	24" BOX
	$\left(\cdot \right)$	1	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	24" BOX
	NATIVE LANDS				
2	- Contraction of the second se	5	CEANOTHUS THYRSIFLORUS	BLUEBLOSSOM	5 GAL
	$\overline{\bigcirc}$	16	FRANGULA CALIFORNICA	COFFEEBERRY	5 GAL
	3) • E	84	LEYMUS CONDENSATUS 'CANYON PRINCE'	CANYON PRINCE GIANT WILD RYE	1 GAL
	30000000000000000000000000000000000000	44	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL
	ORNAMENTAL	IRRIGA	TED LANDSCAPE		
	A A A A A A A A A A A A A A A A A A A	6	LOMANDRA LONGIFOLIA 'BREEZE' TM	BREEZE MAT RUSH	1 GAL

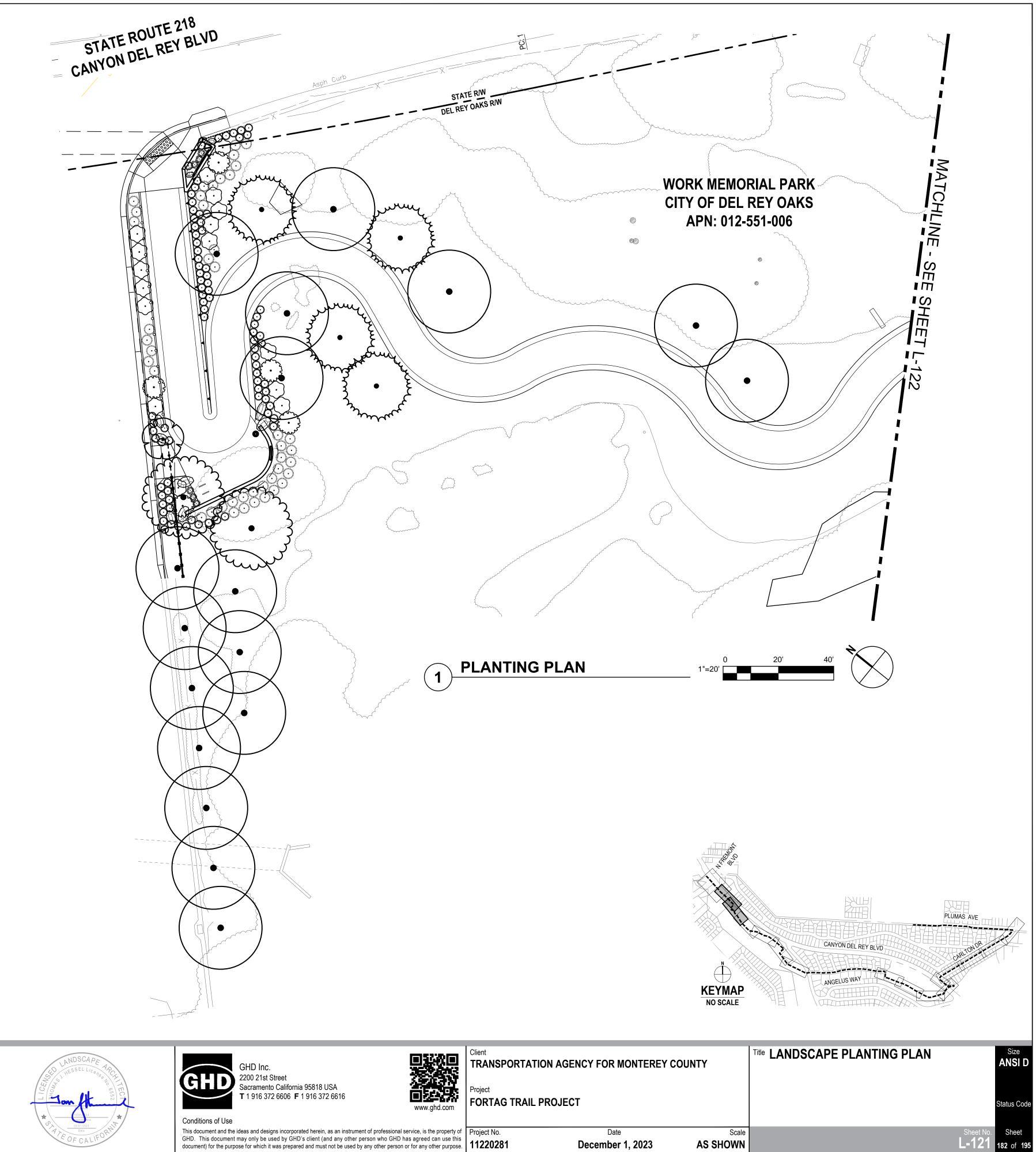
SEE SHEET L-004 FOR FULL PLANT LEGEND

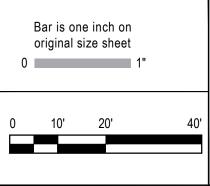
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2 ADDENDUM 02		TH	1/16/2024		
				FORTAG	
				FORT ORD REGIONAL TRAIL	
No. Issue		Checked Approved	Date	and GREENWAY	
Author N/A	Drafting Check LP	Project Manager L.	VAN PARYS		
Designer SR, TH, LP	Design Check LP	Project Director K.	VEDULA		

Plotted By: Tom Hessel

Plot Date: 17 January 2024 - 11:07 AM

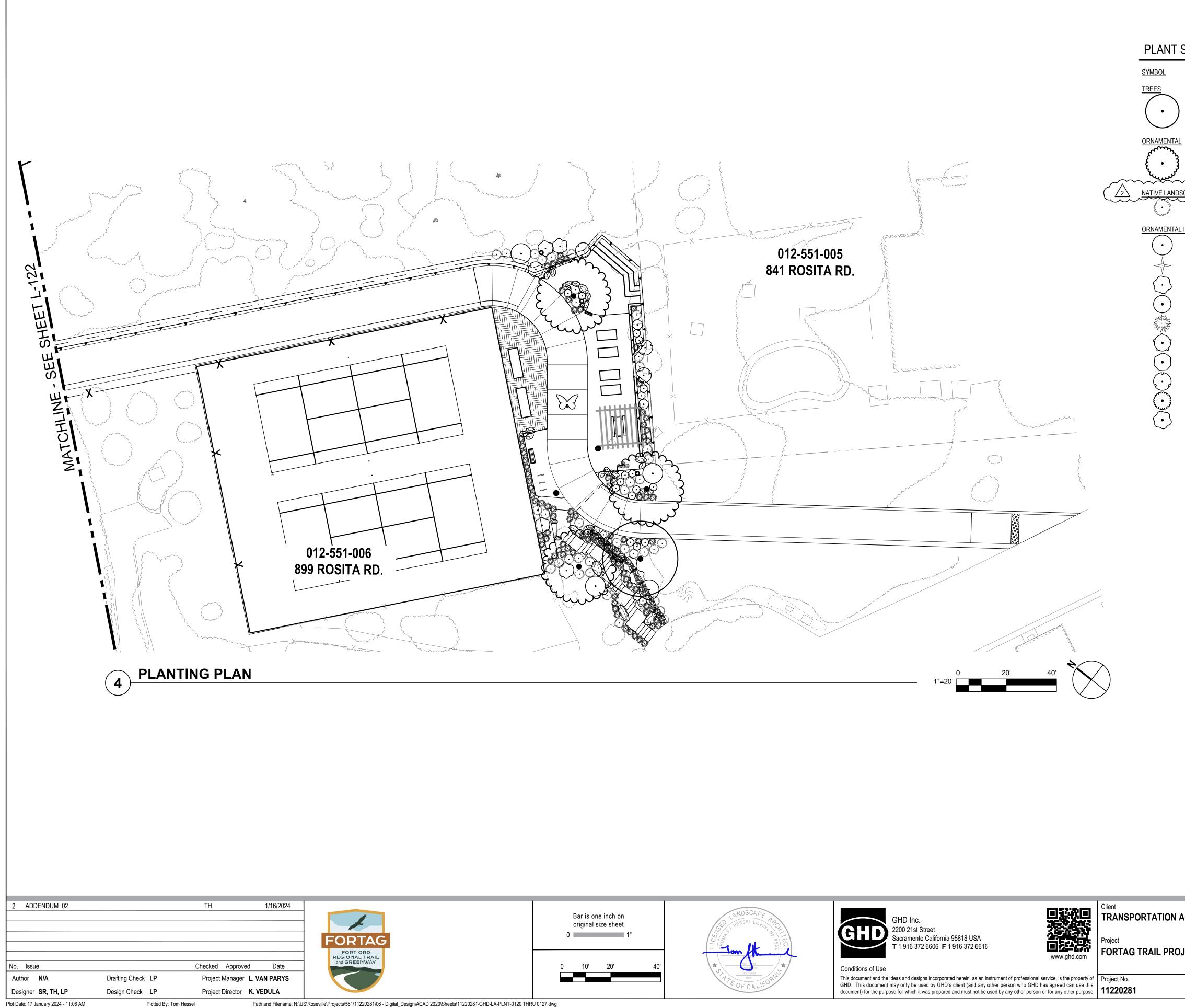










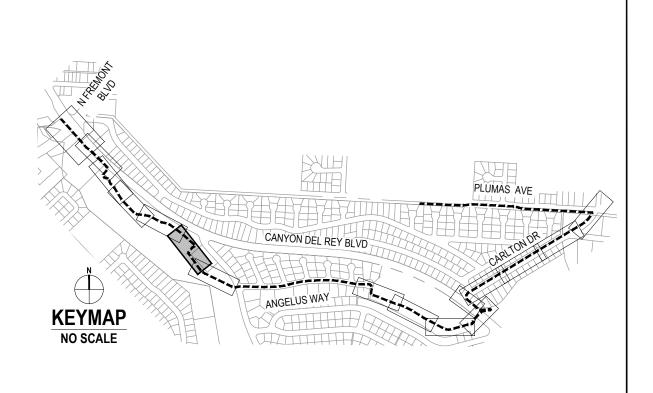


TRANSPORTATION A

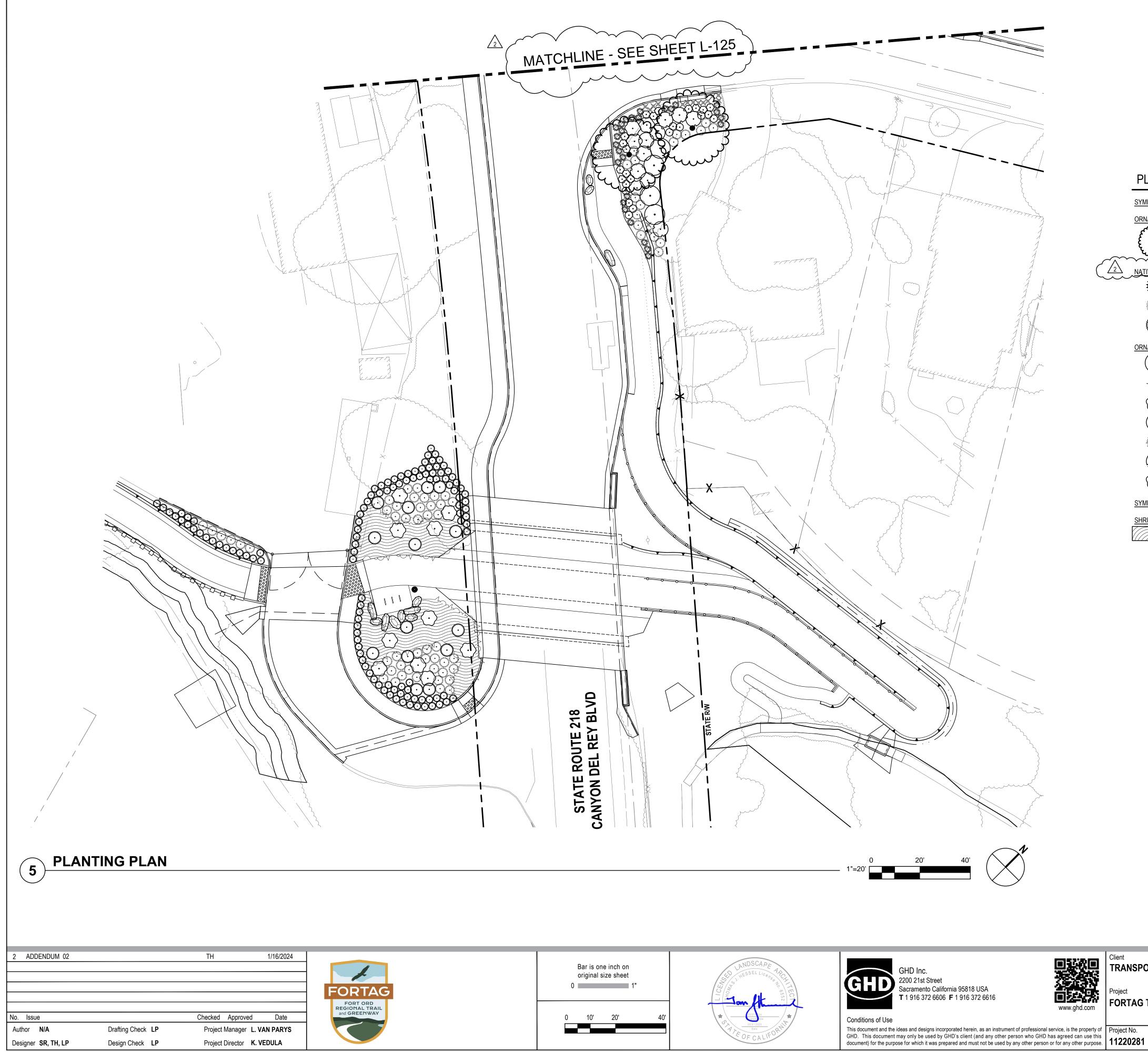
PLANT SCHEDULE L-123

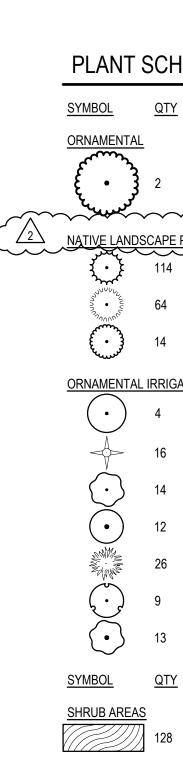
<u>QTY</u>	BOTANICAL NAME	COMMON NAME	<u>CONT</u>
1	QUERCUS AGRIFOLIA	COAST LIVE OAK	15 GAL
3	ARBUTUS X 'MARINA'	MARINA STRAWBERRY TREE STANDARD	24" BOX
SCAPE P			
39	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL
. IRRIGA	TED LANDSCAPE		
4	CEANOTHUS X 'CONCHA'	CONCHA WILD LILAC	5 GAL
8	DIETES BICOLOR	FORTNIGHT LILY	1 GAL
6	FRANGULA CALIFORNICA 'EVE CASE'	EVE CASE COFFEEBERRY	5 GAL
9	LAVANDULA ANGUSTIFOLIA	ENGLISH LAVENDER	1 GAL
82	LOMANDRA LONGIFOLIA 'BREEZE' TM	BREEZE MAT RUSH	1 GAL
1	LUPINUS ALBIFRONS	BUSH LUPINE	1 GAL
2	MIMULUS AURANTIACUS	STICKY MONKEYFLOWER	1 GAL
4	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	HUNTINGTON CARPET ROSEMARY	5 GAL
2	SALVIA MICROPHYLLA 'LITTLE KISS'	LITTLE KISS GRAHAM SAGE	1 GAL
14	ZAUSCHNERIA CALIFORNICA 'BERT'S BLUFF'	BERT'S CALIFORNIA FUCHSIA	1 GAL

SEE SHEET L-004 FOR FULL PLANT LEGEND



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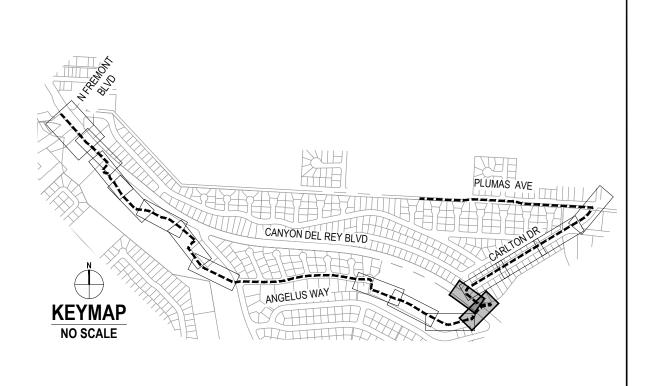
Client TRANSPORTATION AC

roject FORTAG TRAIL PROJ

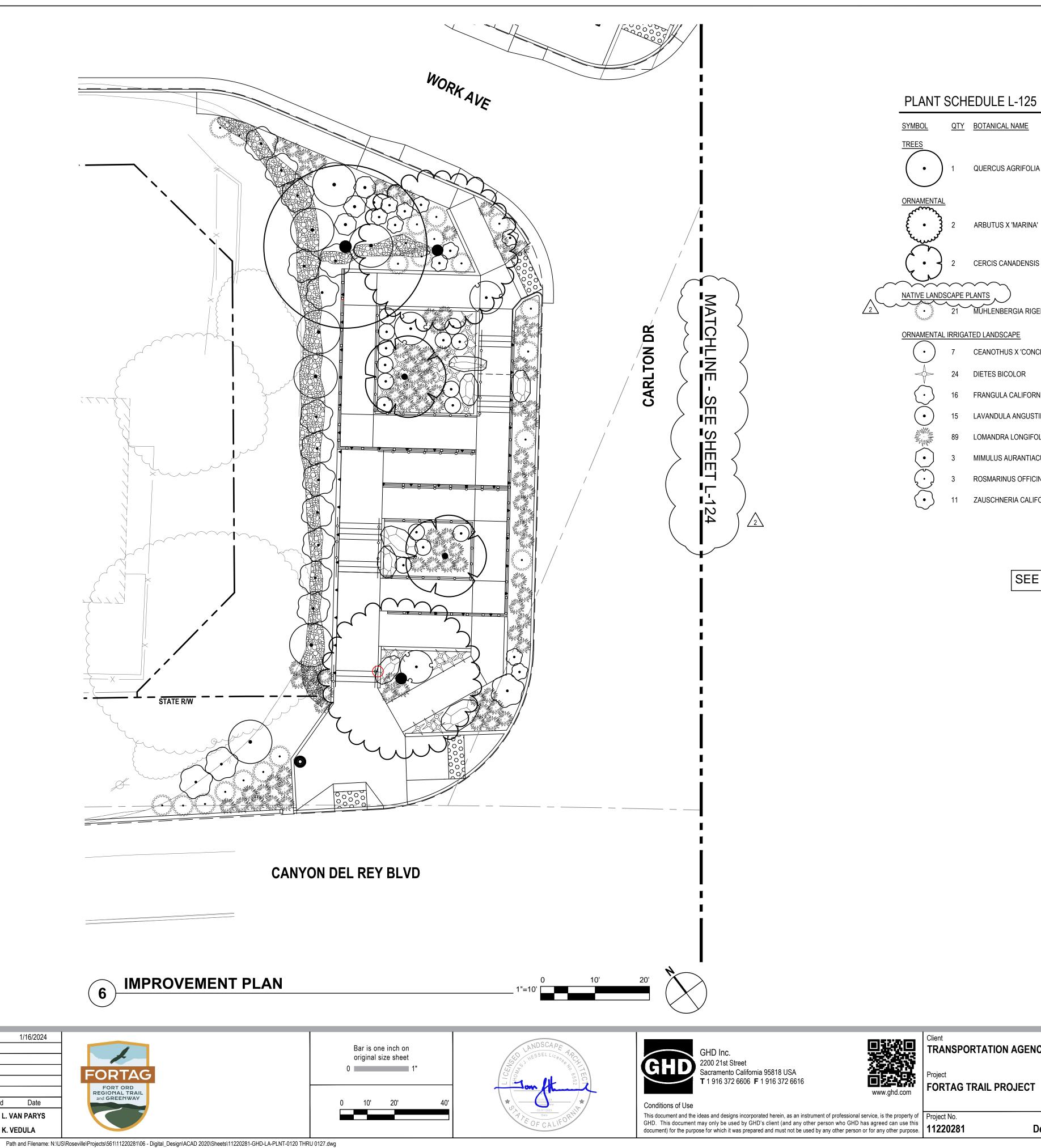
PLANT SCHEDULE L-124

-	BOTANICAL NAME	COMMON NAME	CONT	
	ARBUTUS X 'MARINA'	MARINA STRAWBERRY TREE STANDARD	24" BOX	
	ANTS			
	LEYMUS CONDENSATUS 'CANYON PRINCE'	CANYON PRINCE GIANT WILD RYE	1 GAL	
	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL	
	SALVIA MELLIFERA	BLACK SAGE	5 GAL	
A	ED LANDSCAPE			
	CEANOTHUS X 'CONCHA'	CONCHA WILD LILAC	5 GAL	
	DIETES BICOLOR	FORTNIGHT LILY	1 GAL	
	FRANGULA CALIFORNICA 'EVE CASE'	EVE CASE COFFEEBERRY	5 GAL	
	LAVANDULA ANGUSTIFOLIA	ENGLISH LAVENDER	1 GAL	
	LOMANDRA LONGIFOLIA 'BREEZE' TM	BREEZE MAT RUSH	1 GAL	
	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	HUNTINGTON CARPET ROSEMARY	5 GAL	
	ZAUSCHNERIA CALIFORNICA 'BERT'S BLUFF'	BERT'S CALIFORNIA FUCHSIA	1 GAL	
, -	BOTANICAL NAME	COMMON NAME	CONT	SPACING
	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GRAMA	1 GAL.	36" o.c.

SEE SHEET L-004 FOR FULL PLANT LEGEND



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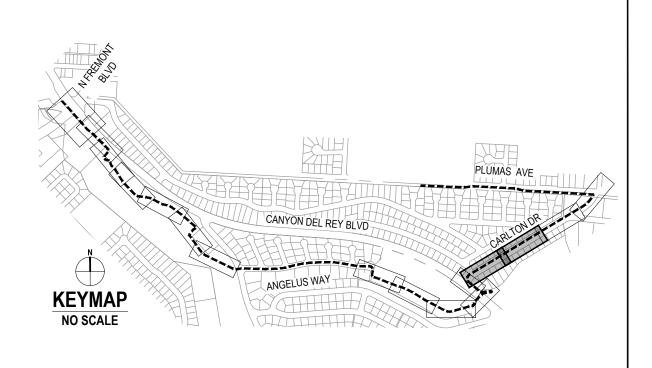
2 ADDENDUM 02		TH 1/16/	2024
			FORTAG
No. Issue		Checked Approved Da	ate
Author N/A	Drafting Check LP	Project Manager L. VAN PA	RYS
Designer SR, TH, LP	Design Check LP	Project Director K. VEDULA	

Plot Date: 17 January 2024 - 11:05 AM

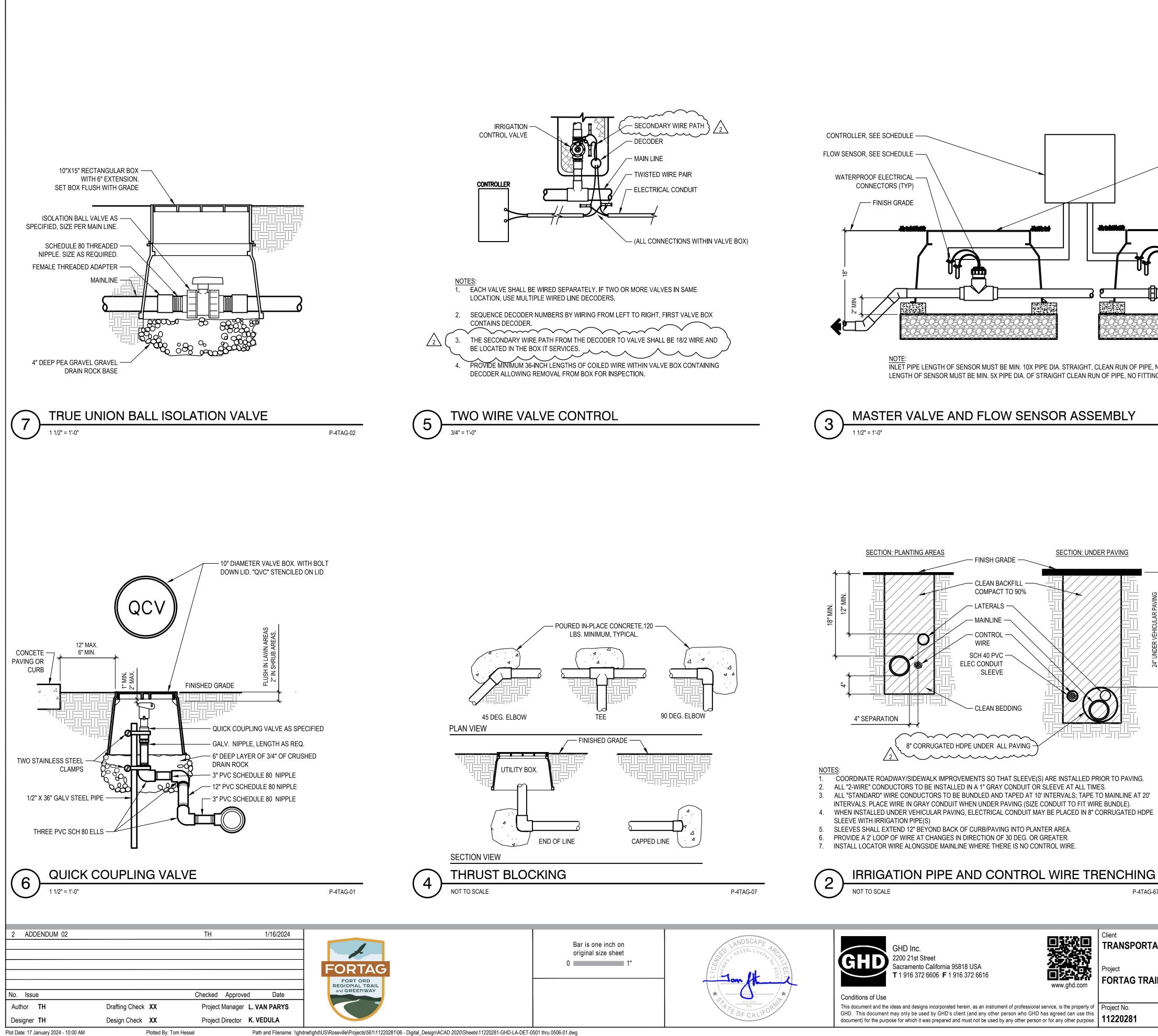
Plotted By: Tom Hessel

. 20		
AME	COMMON NAME	<u>CONT</u>
RIFOLIA	COAST LIVE OAK	15 GAL
/ARINA'	MARINA STRAWBERRY TREE STANDARD	24" BOX
DENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	24" BOX
GIA RIGENS P <u>E</u>	DEER GRASS	1 GAL
L X 'CONCHA'	CONCHA WILD LILAC	5 GAL
OR	FORTNIGHT LILY	1 GAL
ALIFORNICA 'EVE CASE'	EVE CASE COFFEEBERRY	5 GAL
NGUSTIFOLIA	ENGLISH LAVENDER	1 GAL
ONGIFOLIA 'BREEZE' TM	BREEZE MAT RUSH	1 GAL
RANTIACUS	STICKY MONKEYFLOWER	1 GAL
OFFICINALIS 'HUNTINGTON CARPET'	HUNTINGTON CARPET ROSEMARY	5 GAL
A CALIFORNICA 'BERT'S BLUFF'	BERT'S CALIFORNIA FUCHSIA	1 GAL

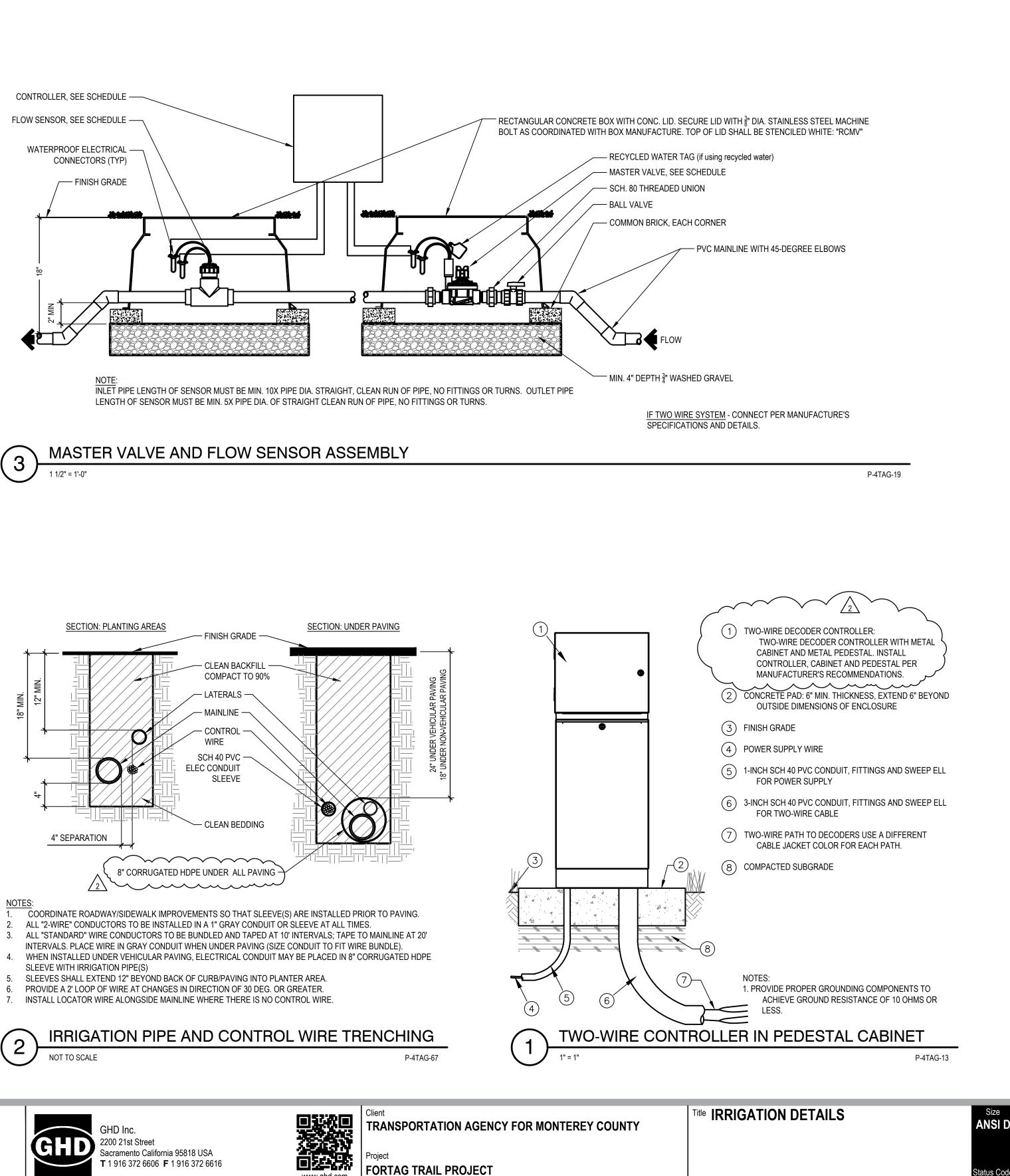
SEE SHEET L-004 FOR FULL PLANT LEGEND



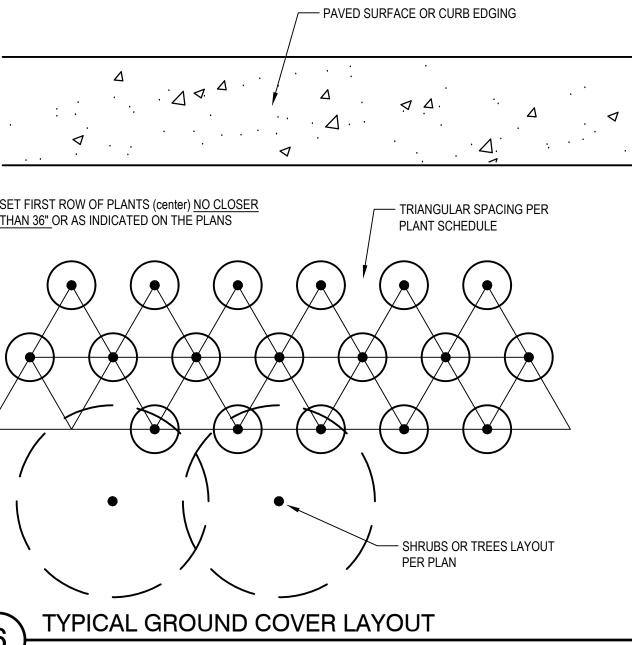
AGENCY FOR MONTEREY COUNTY		Size ANSI D
DJECT		Status Code
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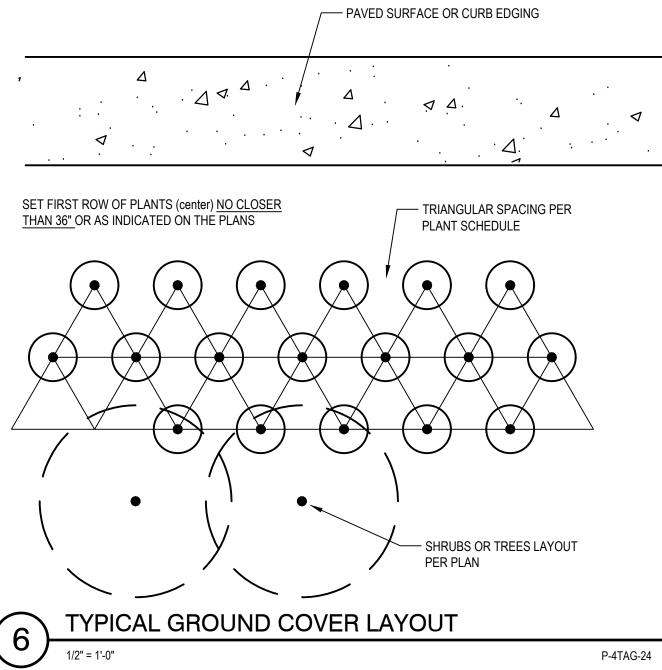


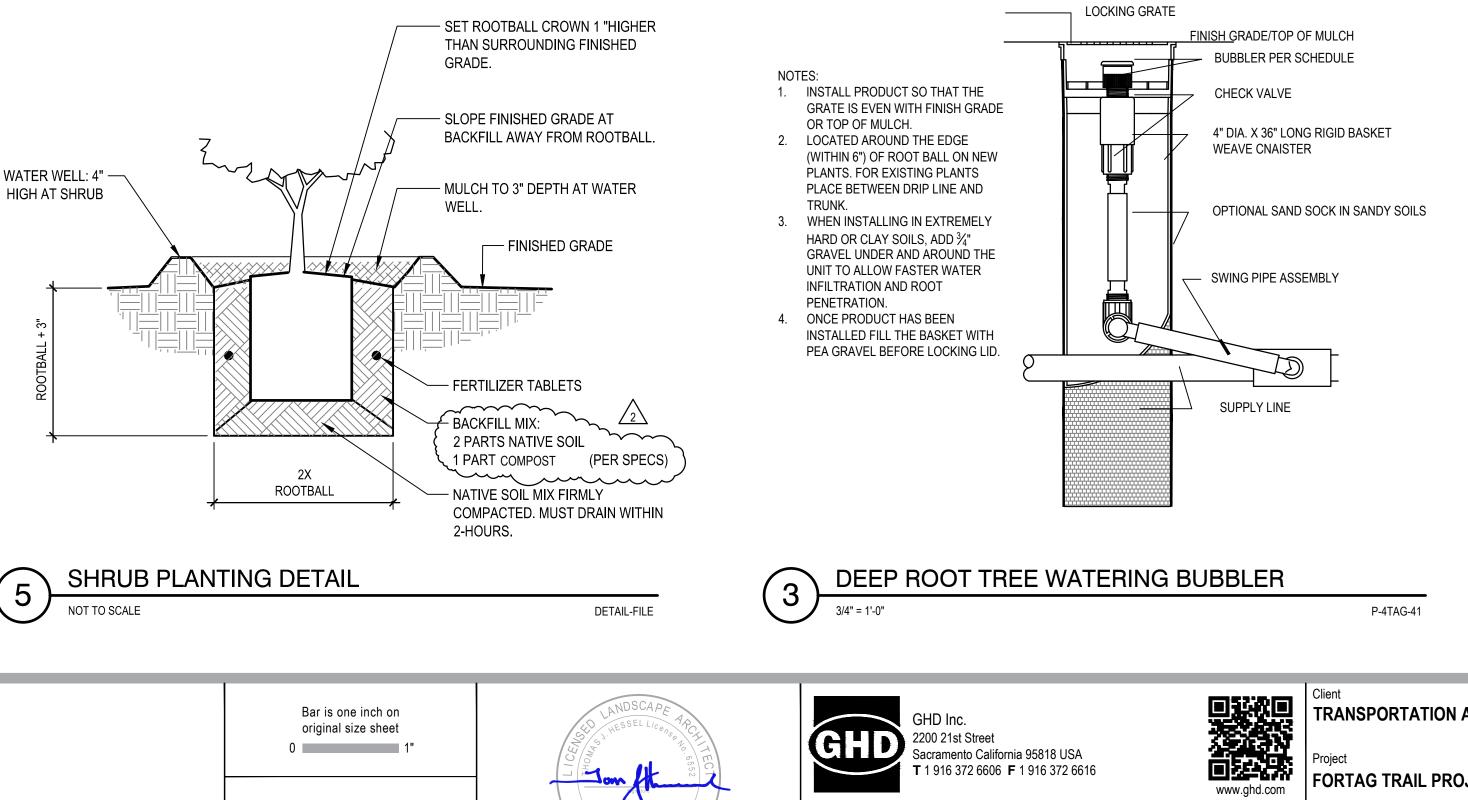
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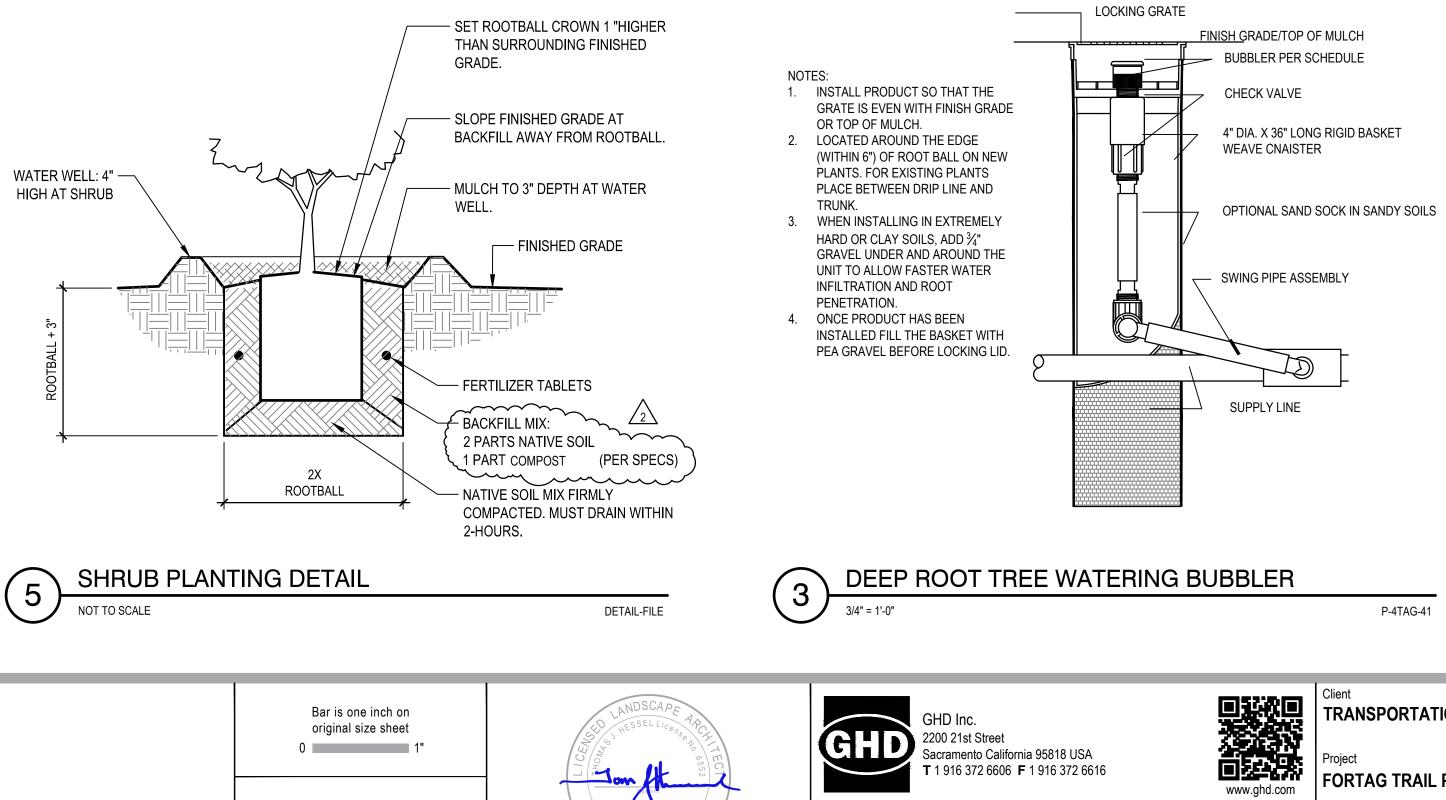


Date	Scale	Sheet No. Sh
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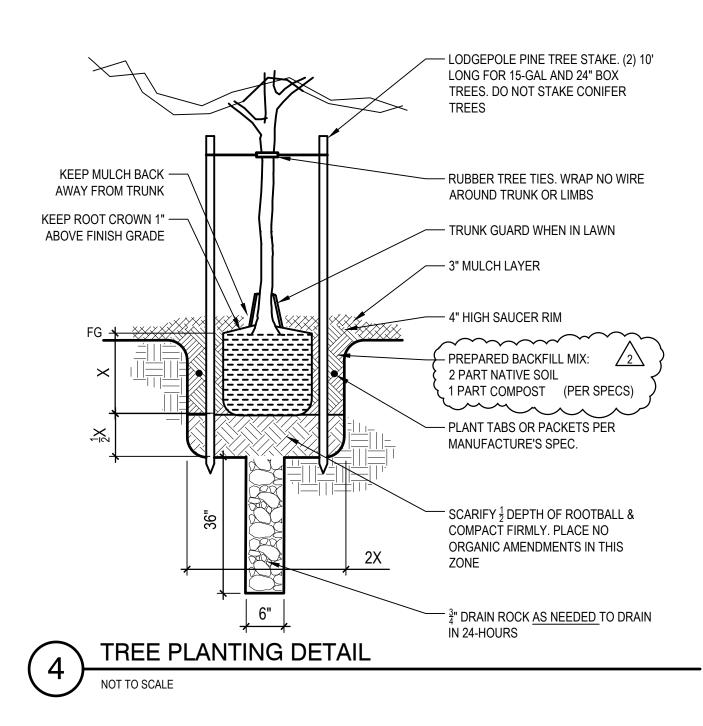


ADDENDUM 02 TH 1/16/2024 FORTAG FORT ORD REGIONAL TRAIL and GREENWAY Checked Approved Date No. Issue Author EM Drafting Check SG Project Manager L. VAN PARYS Project Director K. VEDULA Designer **XX** Design Check SG

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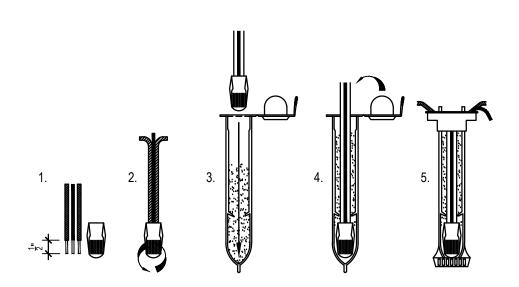
Plot Date: 17 January 2024 - 8:37 PM

Plotted By: Tom Hessel



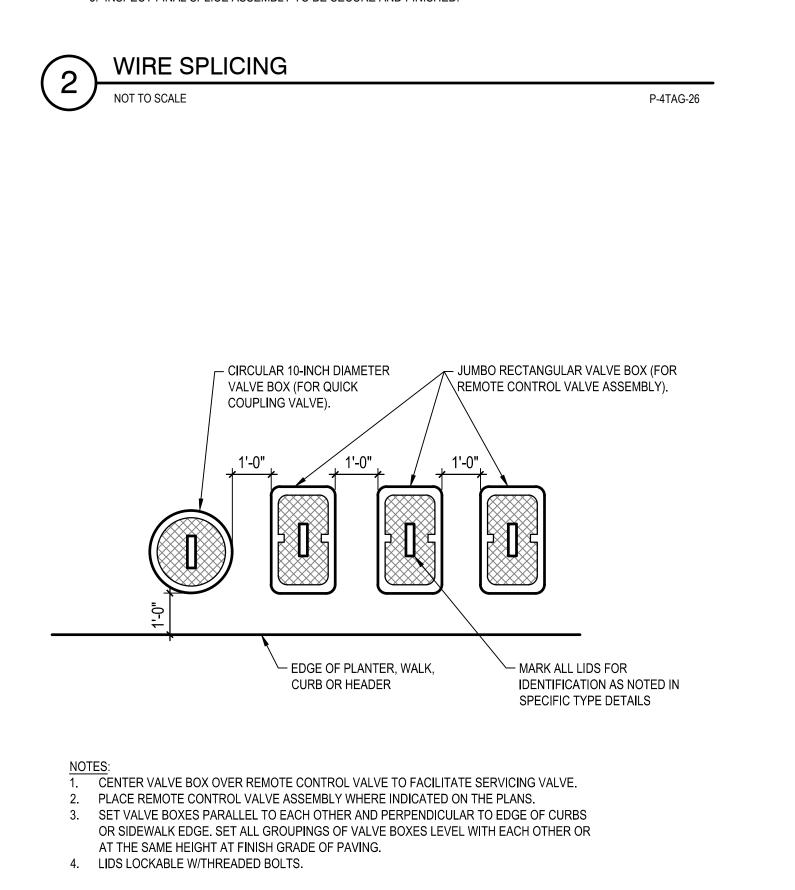
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Conditions of Use



INSTRUCTIONS:

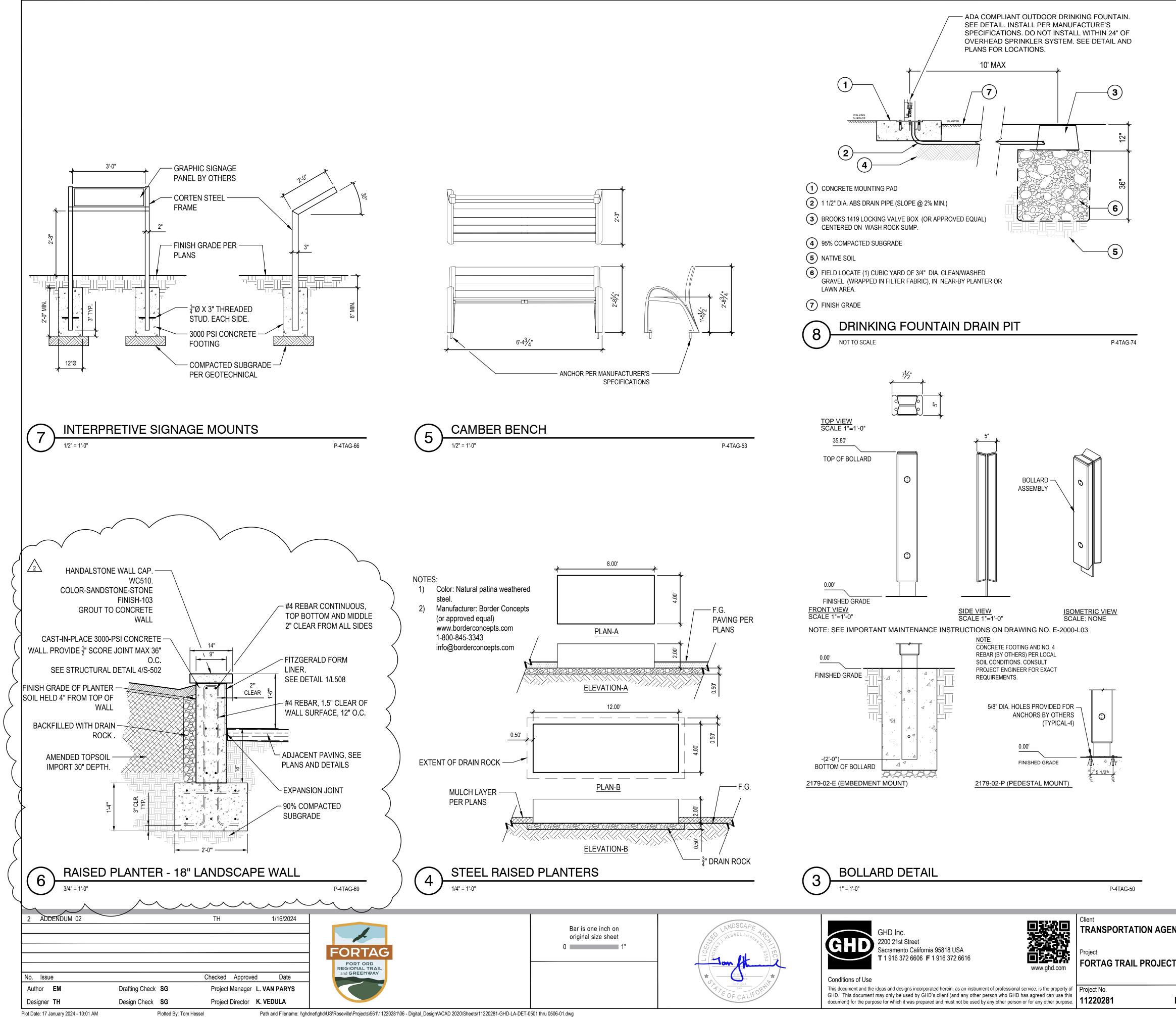
- 1. STRIP WIRES APPROXIMATELY 1/2" (12.7 MM) TO EXPOSE WIRE.
- 2. TWIST CONNECTOR AROUND WIRES CLOCKWISE UNTIL HAND TIGHT, DO NOT OVER-TIGHTEN.
- 3. INSERT WIRE ASSEMBLY INTO PLASTIC TUBE UNTIL WIRE CONNECTOR SNAPS PAST LIP IN BOTTOM OF TUBE. 4. PLACE WIRES WHICH EXIT TUBE IN WIRE EXIT HOLES AND CLOSE CAP UNTIL IT SNAPS.
- 5. INSPECT FINAL SPLICE ASSEMBLY TO BE SECURE AND FINISHED.

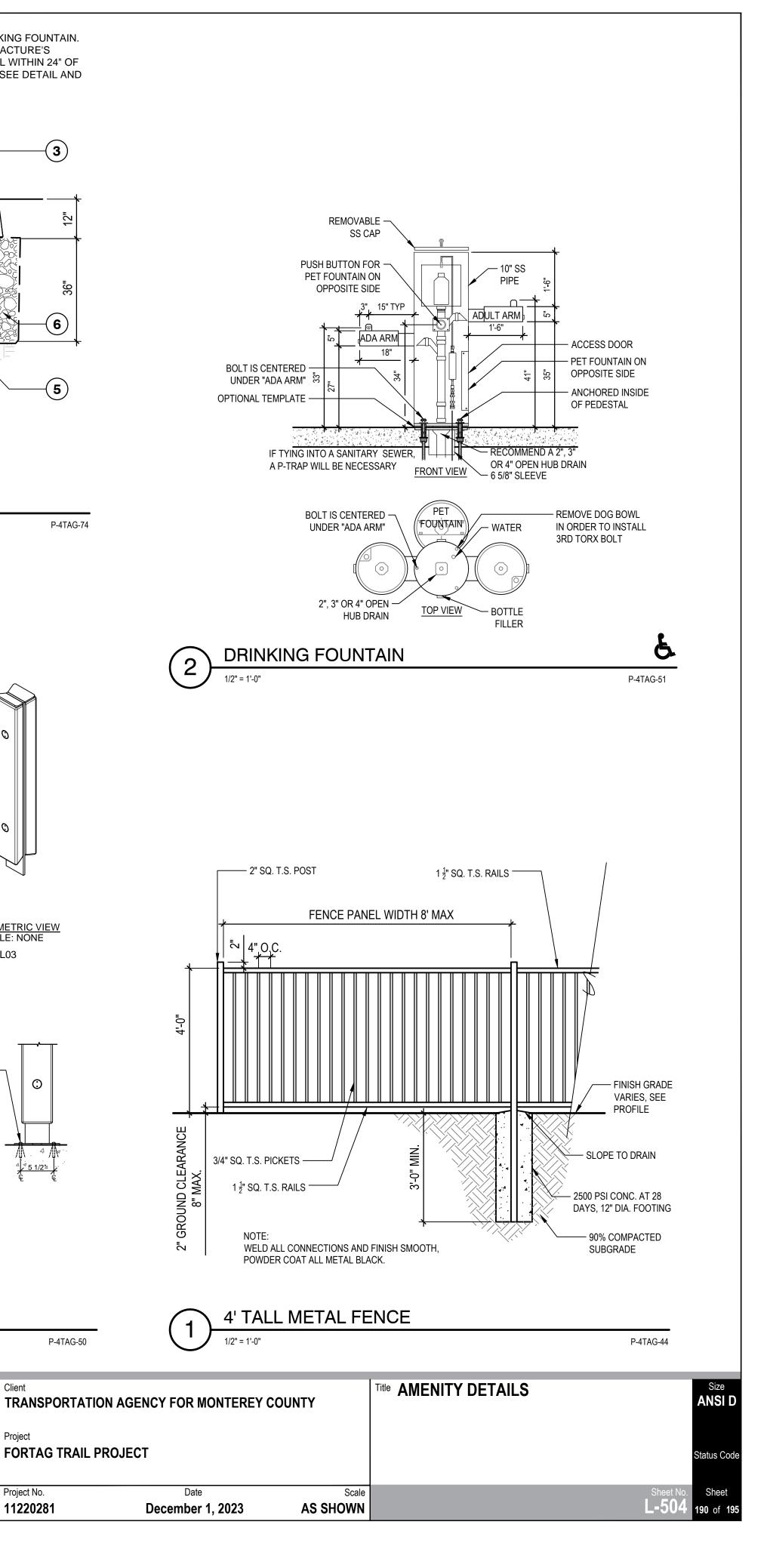


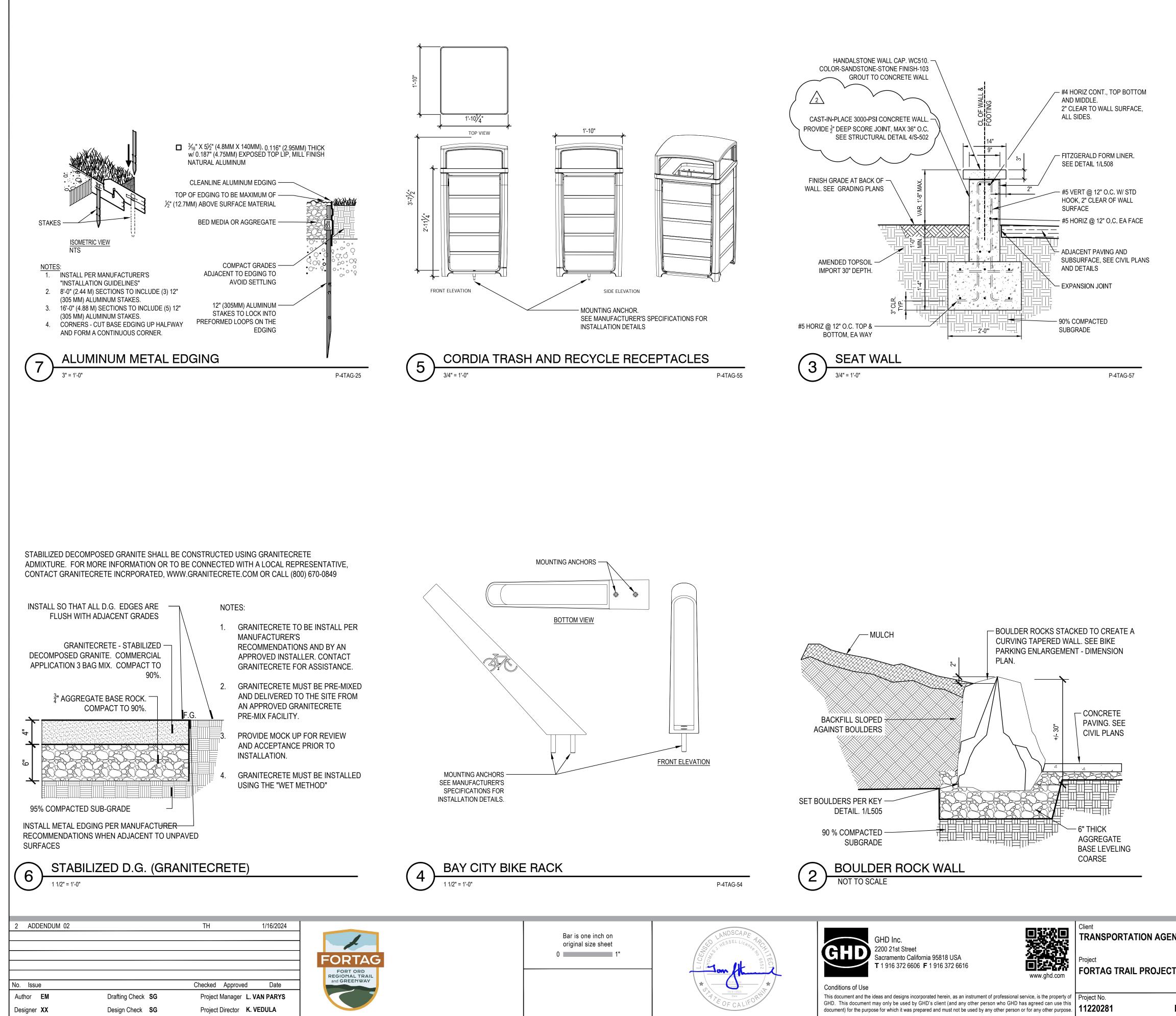
VALVE BOX LAYOUT NOT TO SCALE

P-4TAG-16

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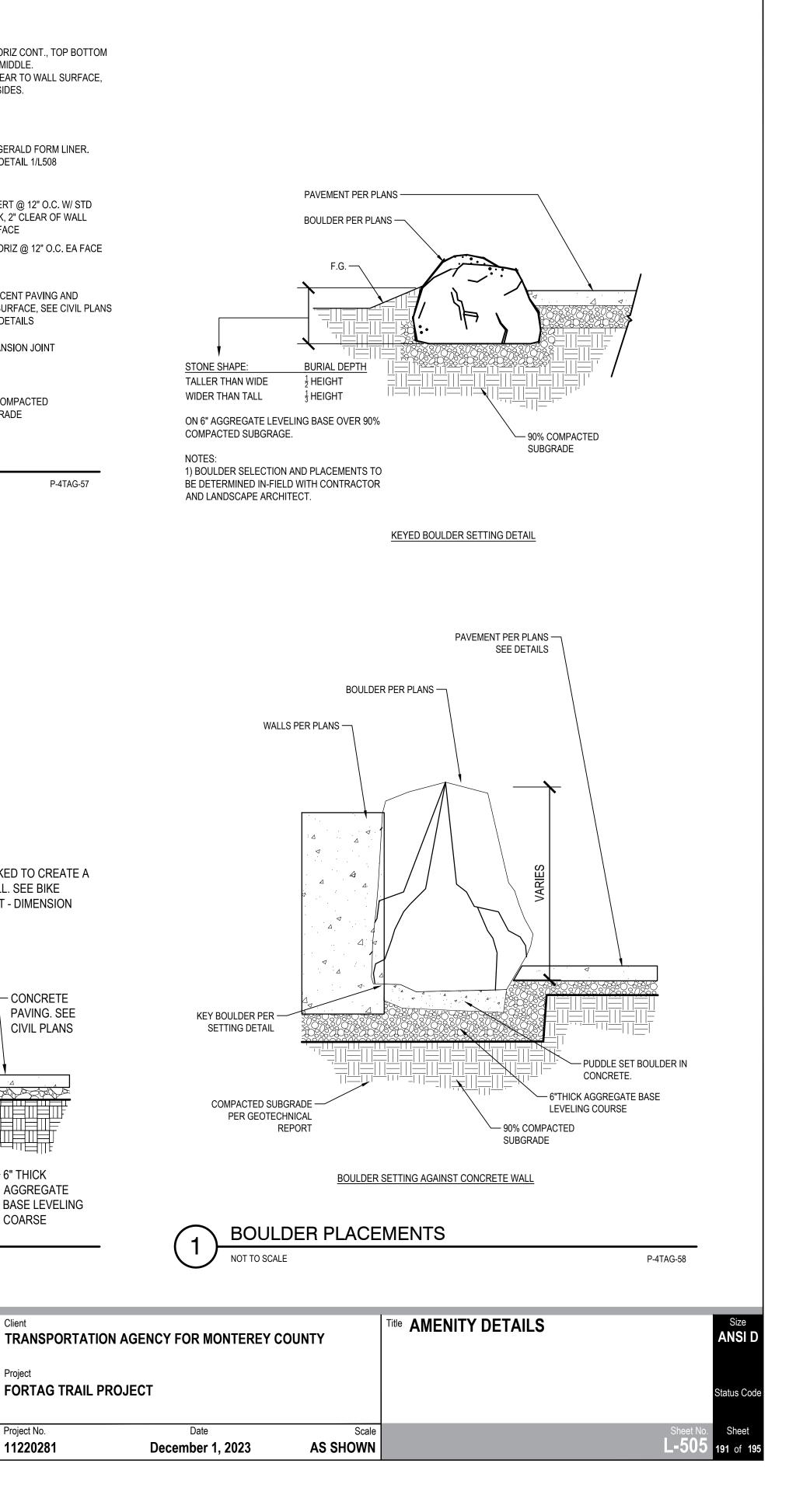


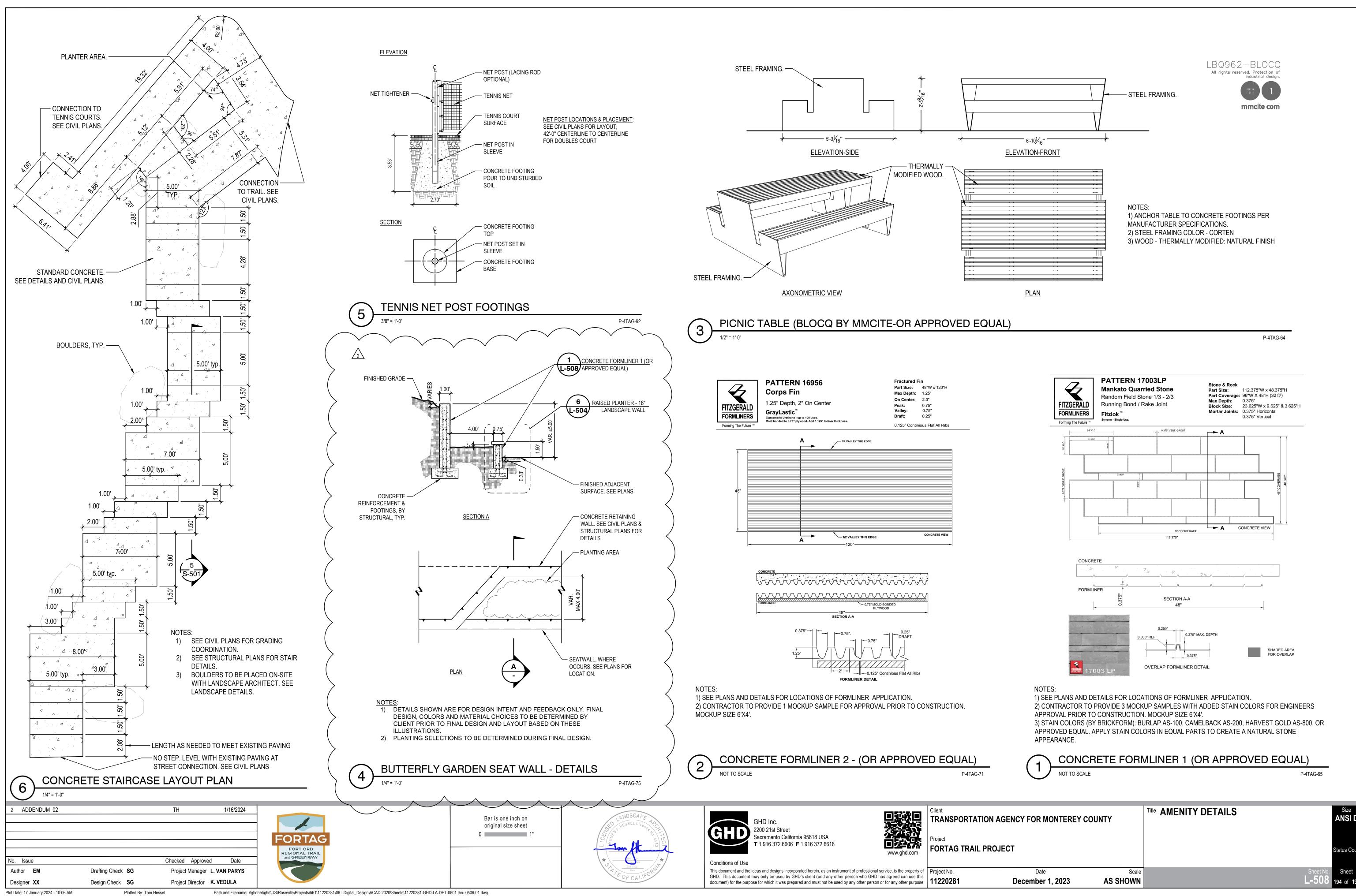


Plot Date: 17 January 2024 - 10:03 AM

Plotted By: Tom Hessel

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Plot Date: 17 January 2024 - 10:06 AM