

**SUBMITTAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**



ITEM: 13.4
(ID # 25669)

MEETING DATE:
Tuesday, August 27, 2024

FROM : Regional Parks and Open Space District

SUBJECT: REGIONAL PARK AND OPEN-SPACE DISTRICT: Approve Addendum's to Plans and Specifications, Accept the Low Bid, and Award the Contract for the Construction of the Kabian Park Improvements Project; Approve Allocation of American Rescue Plan Act (ARPA) Funds; Authorize the District 1. [\$1,532,670 Total Cost - 100% American Rescue Plan Act (ARPA) Funds]

RECOMMENDED MOTION: That the Board of Directors:

1. Approve PKARC-271 Addendums No. 1, No. 2, No. 3 to the project bid documents issued prior to the Tuesday, July 9, 2024, opening;

Continued on Page 2

ACTION:Policy


Kyla R. Brown, General Manager 7/31/2024

MINUTES OF THE BOARD OF DIRECTORS

On motion of Supervisor Perez, seconded by Supervisor Spiegel and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Spiegel, Washington, Perez and Gutierrez
Nays: None
Absent: None
Date: August 27, 2024
xc: Parks

Kimberly A. Rector
Clerk of the Board

By: 
Deputy

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,
STATE OF CALIFORNIA**

RECOMMENDED MOTION: That the Board of Directors:

2. Waive any and all minor irregularities, and accept the low bid submitted by RG General Engineering, Inc. in the sum amount of \$1,532,670;
3. Award the contract for the Kabian Park Improvements Project to RG General Engineering, Inc. of Norco, California, in the amount of \$1,532,670 and authorize the Chairman of the Board of Directors for the Regional Park and Open-Space District (RivCoParks) to execute the contract documents;
4. Authorize the use of \$731,383 from First District's Second ARPA allocation for the Kabian Park Improvements Project;
5. Authorize the General Manager, or their Designee, to approve and execute amendments to the Agreement that have been approved as-to-form by County Counsel, as required to complete the project that do not change the substantive terms of the agreement, or increase compensation more than ten percent (10%);
6. Authorize the Purchasing Agent to issue Purchase Order(s) for the Kabian Park Improvements Project to RG Engineering Inc. in the amount of \$1,532,670.
7. Approve and direct the Auditor-Controller to make budget adjustments as shown on Schedule A; and
8. Direct the Clerk of the Board to return two (2) executed copies of the Agreement to RivCoParks.

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost
COST	\$ 1,532,670	\$ 0	\$ 1,532,670	\$ 0
NET COUNTY COST	N/A	N/A	N/A	N/A
SOURCE OF FUNDS: 100% American Rescue Plan Act (ARPA) Funds			Budget Adjustment:	No
			For Fiscal Year:	24/25

C.E.O. RECOMMENDATION: Approve

BACKGROUND:

Summary

By Minute Order 13.2 on June 4, 2024, the County of Riverside Board of Supervisors authorized the Clerk of the Board to advertise for the Kabian Park Improvements Project on June 12 and 19, 2024.

Kabian Park consists of approximately 1-acre of developed space and another 639-acres of hiking and equestrian trails through the hills of Quail Valley. The "Kabian Memorial Park Improvement Project" will allow RivCoParks to renovate the developed portion of Kabian Park to better meet the needs of the community it serves. The proposed project includes a new prefabricated restroom, playground, monument sign, and site work for ADA compliance.

The Project includes the following schedules for work:

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STATE OF CALIFORNIA**

Base Bid Schedule: Kabian Park Improvements

Alternate Bid Schedule 1: Surfacing of entry road and parking lot

Alternate Bid Schedule 2: Installation of bollards and clearing of six site culverts

RivCoParks accepts the Base Bid Schedule and the Alternate Bid Schedule 1 and rejects Alternate Bid Schedule 2 due to pricing. The Contractor is qualified to perform the work as outlined in the bid, has executed the contract, and has provided bonds and insurance documents.

Impact on Residents and Businesses

Due to the overall scope of the Project, RivCoParks will require a full closure of Kabian Park. The work is scheduled to begin September 2024 and will take approximately nine months. While the project will temporarily impact Citizens by removing access to the site, the Project will improve the quality of life for residents of Riverside County through the continued provision of clean, safe, outdoor recreational opportunities.

Additional Fiscal Information

American Rescue Plan Act (ARPA) funds in the amount of \$1,300,000 were allocated to this project on July 11, 2023, by Minute Order 3.1. RivCoParks is requesting an additional allocation of \$731,383 from First District's Second ARPA allocation to cover the gap in the overall Project budget. Details on the Project proposed budget can be found in the attached Project Budget Attachment.

Contract History and Price Reasonableness

RivCoParks received four bids on Tuesday, July 9, 2024. The basis of award base bids ranged from \$1,219,760 to \$2,124,680. RG General Engineering, Inc. was selected as the contractor with the lowest responsive and responsible base bid at \$1,219,760, which is \$246,212 (25%) above the engineer's cost estimate. RG General Engineering also submitted a bid for Alternate Schedule 1 for \$212,910 which was accepted and a bid for Alternate Schedule 2 for \$134,210 which was rejected. The contract as presented for award also includes an Owner Controlled Allowance of \$100,000. Collectively, the Base Bid (\$1,219,760), Alternate Schedule 1 (\$212,910), and the Owner Controlled Allowance (\$100,000) result in a total contract award of \$1,532,670.

Attachments

- Project Budget
- PKARC-271 Contract/Bonds/Insurance
- Summary of Bids
- Kabian Addendum 1
- Kabian Addendum 2
- Kabian Addendum 3
- Contractors Bid Proposal
- Schedule A

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Handwritten signature in blue ink, appearing to read "Douglas Cordonez Jr." followed by a date "8/19/2024".

Douglas Cordonez Jr. 8/19/2024

Handwritten signature in black ink, appearing to read "Aaron Gettis" followed by a date "8/13/2024".

Aaron Gettis, Chief of Deputy County Counsel 8/13/2024

AGREEMENT

This agreement is made and entered into on the date of final signature hereto, by and between the Riverside County Regional Park and Open-Space District ("District") and RG GENERAL ENGINEERING, INC.

("Contractor") ("Agreement"). The District and the Contractor agree as follows:

The Work: Contractor shall furnish all tools, equipment, apparatus, facilities, labor, and material necessary to perform and complete in a good and workmanlike manner, the work of the following project:

Kabian Park Improvements ("Project" or "Contract" or "Work")

The Work shall be performed and completed as required in the Contract Documents as defined in the General Conditions including, without limitation, the Drawings and Specifications, under the direction and supervision of, and subject to, the approval of the District or its authorized representative.

Classification of Contractor's License: Contractor hereby acknowledges that it currently holds valid Type A, B Contractor's license(s) issued by the State of California, Contractor's State Licensing Board, in accordance with division 3, chapter 9, of the Business and Professions Code and in the classification called for in the Contract Documents.

Time for Completion: It is hereby understood and agreed that the Contractor shall complete the Work within **two hundred forty-seven (247)**

consecutive calendar days ("Contract Time") from the date specified in the District's Notice to Proceed. The District shall not approve an early completion schedule by Contractor. A schedule showing the Work completed in less than the Contract Time indicated in the Contract, shall be considered to have Project Float.

Contract Price: In consideration of the foregoing covenants, promises, and agreements, Contractor offers, in the amounts stated below, to perform the Work according to the Contract Documents. District covenants, promises, and agrees that it will pay and cause to be paid to Contractor in full, and as the Contract Price the following amount(s):

Base Contract Amount Including Additive Alternate 1:

	1	,	4	3	2	,	6	7	0	.	0	0
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Dollars Cents

+ Allowance 1 Unforeseen or unforeseeable conditions and as further described on the Bid Form

		,	1	0	0	,	0	0	0	.	0	0
--	--	---	---	---	---	---	---	---	---	---	---	---

Dollars Cents

Total Contract Price

	1	,	5	3	2	,	6	7	0	.	0	0
Dollars						Cents						

THE ABOVE ALLOWANCES, IF ANY, ARE WITHIN THE CONTRACT PRICE ONLY TO THE EXTENT CONTRACTOR HAS BEEN AUTHORIZED IN WRITING TO PERFORM WORK ENCOMPASSED BY THE ALLOWANCE DESCRIPTION, HAS PERFORMED THE WORK AND HAS APPROPRIATELY INVOICED FOR THAT WORK, AND DISTRICT HAS APPROVED CONTRACTOR'S INVOICE. USE OF ALLOWANCE(S) SHALL FOLLOW THE PROCESS AND THE IDENTICAL STRUCTURE AS A CHANGE ORDER. THE UNUSED PORTION OF ALLOWANCE(S) SHALL BE RETAINED BY THE DISTRICT AND MAY BE CLOSED BY A UNILATERAL CHANGE ORDER.

The Base Contract Price and authorized use of allowances shall be paid in lawful money of the United States pursuant to the payment provisions in the General Conditions.

The Contract Documents: The complete Contract consists of all Contract Documents as defined in the General Conditions and incorporated herein by this reference. All obligations of the District and Contractor are fully set forth and described in the Contract Documents. The Contract Documents are intended to cooperate so that Work called for in one and not mentioned in the other or vice versa is to be performed the same as if mentioned in all Contract Documents.

Interpretation of Contract Documents/Order of Precedence: Questions concerning the intent, precedence, or meaning of the Contract Documents, including the Drawings or Specifications, shall be submitted to the District for interpretation. Inconsistencies in the Contract Documents shall be resolved by giving precedence in the following order:

- (i) District-approved modifications (e.g., Change Orders, Force Account Directives, etc.), beginning with the most recent (if any);
- (ii) Agreement;
- (iii) Special Conditions (if any);
- (iv) Supplemental Conditions (if any);
- (v) General Conditions;
- (vi) Remaining Division 0 documents (Documents beginning with "00");
- (vii) Division 1 Documents (Documents beginning with "01");
- (viii) Division 2 through Division 49 documents (Technical Specifications);
- (ix) Figured dimensions;
- (x) Large-scale drawings;
- (xi) Small-scale drawings.

In case of conflict, the greater quantity and/or higher standard of workmanship shall apply unless the District expressly in writing (e.g., via a Change Order) accepts a lesser quantity or lower quality of workmanship and the Contract Price is adjusted accordingly. The decision of the District in the matter shall be final.

Integration / Modification. The Contract Documents and any documents specifically incorporated by reference are completely integrated as the complete and exclusive statement of the terms of the Agreement. This Agreement supersedes all previous contracts, agreements, and / or communications, both oral and written, and constitutes the entire understanding of the District and Contractor. No extrinsic evidence whatsoever shall be admissible or used to explain or supplement the terms of the Contract, Contract Documents, or any items incorporated by reference. No changes, amendments or alterations shall be effective unless in writing, signed by both Parties, and unless provided otherwise by the Contract Documents.

Completion-Extension of Time: If Contractor fails to complete the Work within the Contract Time, due allowance being made for the contingencies provided for herein, Contractor shall become liable to District for all loss and damage that District may suffer on account thereof. Contractor shall coordinate its Work with the work of all other contractors. The District shall not be liable for delays resulting from Contractor's failure to coordinate its Work with other contractors in a manner that allows for timely completion of Contractor's Work. Contractor shall be liable for delays to other contractors caused by Contractor's failure to coordinate its Work with the work of other contractors.

Liquidated Damages: Time is of the essence for all Work to be performed. It is hereby understood and agreed that it is and will be difficult and/or impossible to ascertain and determine the actual damage that District will sustain in the event of and by reason of Contractor's delay; therefore, pursuant to Government Code section 53069.85 and Public Contract Code section 7203, Contractor shall forfeit and pay to District the sums as indicated in the Special Conditions ("**Liquidated Damages**").

Use of Unit Prices and Bid Alternates: The District may, at its sole discretion, increase or decrease the Contract Price by unit prices or alternates contained in Contractor's original bid. If the Bid for the Work included proposal(s) for Alternate Bid Item(s), during Contractor's performance of the Work, the District may elect to add any such Alternate Bid Item(s) if the item did not form a basis for award of the Agreement or delete any such Alternate Bid Item(s) if that item formed a basis for award of the Agreement. If the District elects to add or delete an Alternate Bid Item(s) pursuant to the foregoing, the cost or credit for that Alternate Bid Item(s) shall be as set forth in the Contractor's Bid, at the District's discretion. If any Alternate Bid Item is added or deleted from the Work pursuant to the foregoing, the Contract Time shall be adjusted by the number of days allocated for the added or deleted Alternate Bid Item in the Contract Documents; if days are not allocated for any Alternate Bid Item added or deleted pursuant to the foregoing, the Contract Time shall be equitably adjusted.

Insurance and Bonds: Contractor shall provide all required certificates of insurance, and payment and performance bonds.

Performance of Work: If Contractor fails to perform the Work properly or fails to perform any provisions of this Contract, the District, may, pursuant to the General Conditions and without prejudice to any other remedy it may have, cure the deficiencies and deduct the cost thereof from the payment then or thereafter due Contractor.

COVID-19. Contractor is responsible for complying with all applicable and existing federal, state, and/or local statutes, orders, rules, regulations, ordinances, and/or directives relating to construction site safety in connection with COVID-19, and/or any similar virus or derivative strain. Contractor shall ensure it has supervisor employees onsite that are trained and knowledgeable of all of these requirements to ensure full compliance on Project Site(s).

Authority of District, Architect, Project Inspector, and County Permitting Entity: Contractor hereby acknowledges that the District, Architect(s), the Project Inspector(s), and the County Permitting Entity as applicable to this Project have authority to approve and/or stop

Work if Contractor's Work does not comply with the requirements of the Contract Documents, Title 24 of the California Code of Regulations, and all applicable laws. Contractor shall be liable for any delay caused by its non-compliant Work.

Assignment of Contract: Neither the Contract, nor any part thereof, nor any moneys due or to become due thereunder, may be assigned by Contractor without the written approval of District, nor without the written consent of the Surety on Contractor's Performance Bond (the "Surety"), unless the Surety has waived in writing its right to notice of assignment.

Payment of Prevailing Wages: Contractor and all Subcontractors under Contractor shall pay all workers on Work performed pursuant to this Contract not less than the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work as determined by the Director of the Department of Industrial Relations, State of California, for the type of work performed and the locality in which the work is to be performed within the boundaries of the District, pursuant to sections 1770 et seq. of the California Labor Code.

Contractor & Subcontractor Registration: Contractor shall comply with the registration and compliance monitoring provisions of Labor Code section 1771.4, including complying with any applicable enforcement by the Department of Industrial Relations.

Authority of Contractor's Representatives: Contractor hereby certifies that the person who executes this Agreement has the authority and power to legally bind the Contractor. Contractor also certifies that the person(s) it employees on the Project at or above the level of project superintendent, each have the authority to legally bind the Contractor.

Severability: If any term, covenant, condition, or provision of the Contract Documents is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remainder of the provisions in the Contract Documents shall remain in full force and effect and shall in no way be affected, impaired, or invalidated thereby.

IN WITNESS WHEREOF, accepted and agreed on the date indicated above:


RG General Engineering, Inc.

Riverside County Regional Park and Open-Space District

Contractor

07-12-2024

Date



Signature

Richard Gonzalez

Print Name


President

Print Title

District

8/27/24

Date



Signature

Kyla Brown

Print Name

General Manager

Print Title

ATTEST:
KIMBERLY A. RECTOR, Clerk

By 
DEPUTY

FORM APPROVED COUNTY COUNSEL
BY 
KRISTINE BELL-VALDEZ DATE

NOTE: If the Contractor is a corporation, Contractor must attach a certified copy of the corporation's by-laws, or of the resolution of the Board of Directors of the corporation, authorizing the above person to execute this Agreement and the bonds required by the Contract Documents.

END OF AGREEMENT

Attachment "A"

Riverside County Regional Park and Open-Space District

Project: **Kabian Park Improvements Project**

Project No.: PKARC-271

	Budget	Percent
Planning and Environmental \$	389,170.00	19%
Construction w/Contingency \$	1,532,670.00	76%
Inspection \$	100,000.00	5%
TOTAL COSTS \$	2,021,840.00	100%



Kabian Park Improvements

Bid No: PK-ARC 271

Bid Date: 7/9/2024, 2pm

Post-Bid Questions/Protest Email: Parks-Planning@RivCo.org

COMPANY	BASE BID	ALTERNATE 1	Allowance	BASE BID + ALT 1 TOTAL	ALTERNATE 2*	LOW: Base Only
RG Engineering Inc.	\$ 1,219,760.00	\$ 212,910.00	\$ 100,000.00	\$1,532,670.00	\$ 134,210.00	1
KASA Construction Inc.	\$ 1,264,777.00	\$ 345,000.00	\$ 100,000.00	\$1,709,777.00	\$ 40,317.23	2
Roadway Engineering & Construction Cor	\$ 1,308,400.00	\$ 89,000.00	\$ 100,000.00	\$1,497,400.00	\$ 16,000.00	3
Dalke & Sons Const. Inc	\$ 2,124,680.00	\$ 531,000.00	\$ 100,000.00	\$2,755,680.00	\$ 50,000.00	4
					*Rejected Alternate 2	



Riverside County Regional Park and Open-Space District

Kyla Brown, Parks Director / General Manager

ADDENDUM #1

Bid No. PKARC-271
KABIAN PARK IMPROVEMENTS

June 13, 2024

Addendum documentation:	1 Page, 3 items
8 ½" x 11" Addendum Drawings	0 Drawings
30" x 42" Addendum Sheet Drawings	29 Sheets (Full set)
Specification Sections	None

The following is issued to supplement or revise the Contract Documents. The revisions to the documents are described below. Unless specifically changed by this addendum, the remainder of the drawings, documents, and specifications shall remain in effect as originally issued. It is the obligation of the contractor to make subcontractors aware of this addendum.

GENERAL:

1. The uploaded plan set was an incorrect version. This addendum replaces the originally issued partial plan set in full.
2. Bid Alternate #1 Clarification: The ADA-accessible parking captured in the bubble is part of the BASE BID. The yellow area depicts the extent of the bid alternate area of work. You must include the ADA-accessible parking scope in your base bid.
3. The project and contract will be issued and controlled within the County of Riverside. Any reference to Los Angeles is hereby modified to Riverside.

PROJECT MANUAL:

None

PLANS:

Original plan upload replaced – all sheets.

END OF ADDENDUM 1



BID ALTERNATE:

ALL WORK ASSOCIATED WITH THE GRADING, DECOMPOSED GRANITE PAVING, AND EROSION CONTROL OF THE PARK ENTRY WAY, DRIVE AISLE, AND PARKING LOT WILL BE A BID ALTERNATE. CONTRACTOR SHALL PROVIDE A SEPARATE COST LINE ITEM FOR THIS ALTERNATE BID.

GENERAL NOTES:

- 1. A COPY OF THE PERMITTED GRADING PLANS SHALL BE IN THE POSSESSION OF A RESPONSIBLE PERSON AND AVAILABLE AT THE SITE AT ALL TIMES.
2. ANY MODIFICATIONS OF, OR CHANGES TO, APPROVED GRADING PLANS SHALL BE APPROVED BY THE ENGINEER OF RECORDS AND AGENCY HAVING JURISDICTION PRIOR TO IMPLEMENTATION IN THE FIELD.
3. ALL GRADED SITES SHALL HAVE DRAINAGE SWALES, BERMS, AND OTHER DRAINAGE DEVICES APPROVED AT THE ROUGH GRADING STAGE.
4. THE FIELD ENGINEER SHALL SET DRAINAGE STAKES FOR ALL DRAINAGE DEVICES.
5. ALL STORM DRAIN WORK SHALL BE DONE UNDER CONTINUOUS INSPECTION BY THE FIELD ENGINEER. WEEKLY STATUS REPORTS SHALL BE SUBMITTED BY THE FIELD ENGINEER TO THE ENGINEERING SERVICES DIVISION.
6. FINAL GRADING SHALL BE APPROVED BEFORE OCCUPANCY OF BUILDINGS WILL BE ALLOWED.
7. CONSTRUCTION OF THE RETAINING WALL(S) SHOWN ON THESE PLANS REQUIRES A PERMIT FROM THE BUILDING & SAFETY DIVISION.
8. SEPARATE PLANS FOR TEMPORARY DRAINAGE AND EROSION CONTROL MEASURES TO BE USED DURING THE RAINY SEASON MUST BE SUBMITTED PRIOR TO OCTOBER 1. THE EROSION CONTROL DEVICES SHOWN ON SAID PLANS SHALL BE INSTALLED BY NO LATER THAN NOVEMBER 1 AND MAINTAINED IN OPERABLE CONDITION UNTIL APRIL 15 OF THE FOLLOWING YEAR. (17.90.030)
9. ALL SUBDRAIN OUTLETS SHALL BE SURVEYED FOR LINE AND ELEVATION. THIS SHALL BE SHOWN ON THE AS BUILT GRADING PLAN INCLUDED IN THE FINAL GEOTECHNICAL AND GEOLOGY REPORT.
10. THE FACES OF CUT AND FILL SLOPES SHALL BE PREPARED AND MAINTAINED TO CONTROL EROSION. THIS CONTROL SHALL CONSIST OF JUTE NETTING AND EFFECTIVE PLANTING, OR OTHER DEVICES SATISFACTORY TO THE CITY ENGINEER. (17.87.020 A)
11. A PREVENTIVE PROGRAM TO PROTECT THE SLOPE FROM POTENTIAL DAMAGE FROM BURROWING RODENTS IS REQUIRED. OWNER SHALL INSPECT SLOPES PERIODICALLY FOR EVIDENCE OF BURROWING RODENTS AND AT FIRST EVIDENCE OF THEIR EXISTENCE SHALL EMPLOY AN EXTERMINATOR FOR THEIR REMOVAL. (17.87.020 H)
12. WHERE NECESSARY CHECK DAMS, CRIBBING, RIPRAP, OR OTHER DEVICES OR METHODS SHALL BE EMPLOYED FOR EROSION CONTROL. JUTE NETTING SHALL BE IMMEDIATELY INSTALLED ON ANY SLOPES HAVING A VERTICAL HEIGHT OF SEVEN FEET OR MORE AND STEEPER THAN 3:1 (H:V) TO MINIMIZE OR CONTROL EROSION PROBLEMS.
13. ROOF DRAINAGE SHALL BE DIVERTED FROM GRADED SLOPES.
14. ALL CONSTRUCTION AND GRADING WITHIN STORM DRAIN EASEMENT SHALL BE PER APPROVED STORM DRAIN PLAN.

FILL NOTES:

- 15. ALL FILL SHALL BE COMPACTED TO THE FOLLOWING MINIMUM COMPACTION CRITERIA:
a. 90 PERCENT OF MAXIMUM DRY DENSITY WITHIN 40 FEET BELOW FINISH GRADE
b. 95 PERCENT OF MAXIMUM DRY DENSITY DEEPER THAN 40 FEET BELOW FINISH GRADE, UNLESS A LOWER RELATIVE COMPACTION NOT LESS THAN 90 PERCENT OF MAXIMUM DRY DENSITY IS JUSTIFIED BY THE GEOTECHNICAL ENGINEER.
THE RELATIVE COMPACTION SHALL BE DETERMINED BY ASTM SOIL COMPACTION TEST D1557-91, WHERE APPLICABLE. WHERE NOT APPLICABLE A TEST ACCEPTABLE TO THE CITY ENGINEER SHALL BE USED. (17.86.030 E)
16. FIELD DENSITY SHALL BE DETERMINED BY A METHOD ACCEPTABLE TO THE CITY ENGINEER. HOWEVER, A MINIMUM OF 10 PERCENT OF THE REQUIRED DENSITY TESTS SHALL BE OBTAINED BY THE SAND CONE METHOD (ASTM D293) IF THE REQUIRED 10 PERCENT SAND CONE METHOD SHALL BE UNIFORMLY DISTRIBUTED THROUGHOUT THE DEPTHS AND LIMITS OF THE FILL.
17. SUFFICIENT TESTS OF THE FILL SOILS SHALL BE MADE TO DETERMINE THE RELATIVE COMPACTION OF THE FILL IN ACCORDANCE WITH THE FOLLOWING MINIMUM GUIDELINES:
a. ONE TEST FOR EACH TWO-FOOT VERTICAL LIFT.
b. ONE TEST FOR EACH 1,000 CUBIC YARDS OF MATERIAL PLACED.
c. ONE TEST AT THE LOCATION OF THE FINAL FILL SLOPE FOR EACH BUILDING SITE (LOT) IN EACH FOUR-FOOT VERTICAL LIFT OR PORTION THEREOF.
d. ONE TEST IN THE VICINITY OF EACH BUILDING PAD FOR EACH FOUR-FOOT VERTICAL LIFT OR PORTION THEREOF.
SUFFICIENT TESTS OF FILL SOILS SHALL BE MADE TO VERIFY COMPLIANCE OF THE SOIL PROPERTIES WITH THE DESIGN REQUIREMENTS INCLUDING SOIL TYPES AND SHEAR STRENGTHS. THE RESULTS OF SUCH TESTING SHALL BE INCLUDED IN THE REPORTS REQUIRED BY SECTION 17.86.030 I.
18. NO FILL SHALL BE PLACED UNTIL STRIPPING OF VEGETATION, REMOVAL OF UNSUITABLE SOILS, AND INSTALLATION OF SUBDRAINS (IF ANY) HAVE BEEN INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER. (17.86.030 B)
19. NO ROCK OR SIMILAR MATERIAL GREATER THAN 12 INCHES IN DIAMETER SHALL BE PLACED IN THE FILL UNLESS RECOMMENDED FOR SUCH PLACEMENT AND APPROVED BY THE GEOTECHNICAL ENGINEER AND APPROVED IN ADVANCE BY THE CITY ENGINEER. (17.86.030 D)
20. CONTINUOUS INSPECTION BY THE GEOTECHNICAL ENGINEER OR HIS RESPONSIBLE REPRESENTATIVE SHALL BE PROVIDED DURING ALL FILL PLACEMENT AND COMPACTION OPERATIONS WHERE FILLS HAVE A VERTICAL HEIGHT OR DEPTH GREATER THAN 30 FEET OR SLOPE SURFACE STEEPER THAN 2:1. (17.86.030 H)
21. CONTINUOUS INSPECTION BY THE GEOTECHNICAL ENGINEER OR HIS RESPONSIBLE REPRESENTATIVE SHALL BE PROVIDED DURING ALL SUBDRAIN INSTALLATIONS. (17.86.030 B)
22. FILL SLOPES IN EXCESS OF 2:1 STEEPNESS RATIO ARE TO BE CONSTRUCTED BY THE PLACEMENT OF SOIL AT SUFFICIENT DISTANCE BEYOND THE PROPOSED FINISH SLOPE TO ALLOW COMPACTION EQUIPMENT TO BE OPERATED AT THE OUTER LIMITS OF THE FINAL SLOPE SURFACE. THE EXCESS FILL IS TO BE REMOVED PRIOR TO COMPLETION OF ROUGH GRADING. (OTHER CONSTRUCTION PROCEDURES MAY BE USED WHEN IT IS DEMONSTRATED TO THE SATISFACTION OF THE CITY ENGINEER THAT THE ANGLE OF SLOPE, CONSTRUCTION METHOD AND OTHER FACTORS WILL HAVE EQUIVALENT EFFECT). (17.86.030 E)
23. THE GEOTECHNICAL ENGINEER SHALL PROVIDE SUFFICIENT INSPECTIONS DURING THE PREPARATION OF THE NATURAL GROUND AND THE PLACEMENT AND COMPACTION OF THE FILL TO BE SATISFIED THAT THE WORK IS BEING PERFORMED IN ACCORDANCE WITH THE PLAN AND APPLICABLE CODE REQUIREMENTS. (17.86.030 H)
24. THE GRADING CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 17.86.010 L AT THE COMPLETION OF ROUGH GRADING.

STORMWATER POLLUTION PLAN NOTES:

- 1. EVERY EFFORT SHALL BE MADE TO ELIMINATE THE DISCHARGE OF NON-STORMWATER FROM THE PROJECT SITE AT ALL TIMES.
2. ERODED SEDIMENTS AND OTHER POLLUTANTS SHALL BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEETFLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
3. STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS SHALL BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
4. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS SHALL BE STORED IN ACCORDANCE WITH THEIR LISTING AND SHALL NOT CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS SHALL BE PROTECTED FROM THE WEATHER. SPILLS SHALL BE CLEANED AND DISPOSED OF IN A PROPER MANNER. SPILLS SHALL NOT BE WASHED INTO THE DRAINAGE SYSTEM.
5. EXCESS OR WASTE CONCRETE SHALL NOT BE WASHED INTO THE PUBLIC RIGHT-OF-WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
6. TRASH AND CONSTRUCTION-RELATED SOLID WASTES SHALL BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
7. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC RIGHT-OF-WAY. ACCIDENTAL DEPOSITIONS SHALL BE SWEEPED UP IMMEDIATELY AND SHALL NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
8. ANY SLOPES WITH DISTURBED SOILS OR DENuded OF VEGETATION SHALL BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
9. THE FOLLOWING BMP'S AS OUTLINED IN, BUT NOT LIMITED TO, THE "BEST MANAGEMENT PRACTICE HANDBOOK, CALIFORNIA STORMWATER QUALITY TASK FORCE, SACRAMENTO, CALIFORNIA, THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY CITY INSPECTORS).

COUNTY OF RIVERSIDE
KABIAN PARK IMPROVEMENTS
28001 GOETZ ROAD

BID #: PKARC-271

PAVEMENT MARKING NOTES

PART 1 - GENERAL

- 11 PREINSTALLATION MEETINGS
A. PREINSTALLATION CONFERENCE. CONDUCT CONFERENCE AT PROJECT SITE.
1. REVIEW METHODS AND PROCEDURES RELATED TO MARKING PAVEMENT INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
A. PAVEMENT AGING PERIOD BEFORE APPLICATION OF PAVEMENT MARKINGS.
B. REVIEW REQUIREMENTS FOR PROTECTING PAVEMENT MARKINGS, INCLUDING RESTRICTION OF TRAFFIC DURING INSTALLATION PERIOD.
12 ACTION SUBMITTALS
A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT.
1. INCLUDE TECHNICAL DATA AND TESTED PHYSICAL AND PERFORMANCE PROPERTIES.
B. SHOP DRAWINGS: FOR PAVEMENT MARKINGS.
1. INDICATE PAVEMENT MARKINGS, COLORS, LANE SEPARATIONS, DEFINED PARKING SPACES, AND DIMENSIONS TO ADJACENT WORK.
2. INDICATE, WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY, SPACES ALLOCATED FOR PEOPLE WITH DISABILITIES.
C. SAMPLES: FOR EACH EXPOSED PRODUCT AND FOR EACH COLOR AND TEXTURE SPECIFIED, ON RIGID BACKING, 8 INCHES SQUARE.

13 FIELD CONDITIONS

- A. ENVIRONMENTAL LIMITATIONS: PROCEED WITH PAVEMENT MARKING ONLY ON LEAN, DRY SURFACES AND AT A MINIMUM AMBIENT OR SURFACE TEMPERATURE OF 55 °F FOR WATER-BASED MATERIALS, AND NOT EXCEEDING 95 °F.

PART 2 - PRODUCTS

- 21 PAVEMENT - MARKING PAINT
A. PAVEMENT-MARKING PAINT. LATEX, WATERBORNE EMULSION, LEAD AND CHROMATE FREE, TYPE II MIXED, COMPLYING WITH FS 11-P-1952, TYPE II, WITH DRYING TIME OF LESS THAN 45 MINUTES.
1. COLORS: WHITE AND YELLOW.
B. GLASS BEADS: ASHTO M 247, TYPE 1 MADE OF 100 PERCENT RECYCLED GLASS.
1. ROUNDNESS: MINIMUM 75 PERCENT TRUE SPHERES BY WEIGHT.
C. VOC CONTENT: PAVEMENT MARKINGS USED ON BUILDING INTERIOR SHALL HAVE A VOC CONTENT OF 150 G/L OR LESS.

22 ADMIXTURES

- A. SLIP RESISTANT ADMIXTURE: PROVIDE MICRONIZED POLYMER SLIP RESISTANT ADMIXTURE CERTIFIED BY MANUFACTURER TO BE COMPATIBLE WITH SOLVENT PAINT COATINGS AND HAVE MINIMAL EFFECTS ON COATING VISCOSITY. DO NOT USE ADMIXTURE CONTAINING SILICA.

PART 3 - EXECUTION

- 31 EXAMINATION
A. VERIFY THAT PAVEMENT IS DRY AND IN SUITABLE CONDITION TO BEGIN PAVEMENT MARKING ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
B. PROCEED WITH PAVEMENT MARKING ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
32 PAVEMENT MARKING
A. DO NOT APPLY PAVEMENT-MARKING PAINT UNTIL LAYOUT, COLORS, AND PLACEMENT HAVE BEEN VERIFIED WITH ARCHITECT.
B. ALLOW PAVING TO AGE FOR A MINIMUM OF 14 DAYS BEFORE STARTING PAVEMENT MARKING.
C. SWEEP AND CLEAN SURFACE TO ELIMINATE LOOSE MATERIAL AND DUST.
D. APPLY PAINT WITH MECHANICAL EQUIPMENT TO PRODUCE PAVEMENT MARKINGS, OF DIMENSIONS INDICATED, WITH UNIFORM, STRAIGHT EDGES. APPLY AT MANUFACTURER'S RECOMMENDED RATES TO PROVIDE A MINIMUM WET FILM THICKNESS OF 15 MILS.
1. APPLY GRAPHIC SYMBOLS AND LETTERING WITH PAINT-RESISTANT, DIE-CUT STENCILS, FIRMLY SECURED TO PAVEMENT. MASK AN EXTENDED AREA BEYOND EDGES OF EACH STENCIL TO PREVENT PAINT APPLICATION BEYOND THE STENCIL. APPLY PAINT SO THAT IT CANNOT RUN BENEATH THE STENCIL.
2. BROADCAST GLASS BEADS UNIFORMLY INTO WET MARKINGS AT A RATE OF 6 LB/GAL.
3. SLIP-RESISTIVE MIXTURE: MIX SLIP-RESISTIVE ADMIXTURE INTO PAINT AT RATE COMPLYING WITH ADMIXTURE MANUFACTURER'S WRITTEN INSTRUCTIONS.
A. APPLY SLIP-RESISTIVE PAINT MIXTURE BY METHOD RECOMMENDED BY ADMIXTURE MANUFACTURER.

33 PROTECTING AND CLEANING

- A. PROTECT PAVEMENT MARKINGS FROM DAMAGE AND WEAR DURING REMAINDER OF CONSTRUCTION PERIOD.
B. CLEAN SPILLAGE AND SOILING FROM ADJACENT CONSTRUCTION USING CLEANING AGENTS AND PROCEDURES RECOMMENDED BY MANUFACTURER OF AFFECTED CONSTRUCTION.

NOTICE REGARDING EXISTING UTILITIES

THE EXISTENCE AND LOCATION OF ANY AND ALL CONDUITS, UTILITY PIPES, AND STRUCTURES SHOWN ON THIS SET OF PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS AT THE TIME OF DESIGN. THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT AT THE TIME OF DESIGN EXCEPT AS SHOWN ON THIS SET OF PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE CARE TO PROTECT ANY AND ALL EXISTING UTILITIES SHOWN ON THIS SET OF PLANS. THE CONTRACTOR FURTHER ASSUMES ANY AND ALL LIABILITY AND RESPONSIBILITY FOR THE CONDUITS, UTILITY PIPES, AND STRUCTURES SHOWN ON THIS SET OF DRAWINGS.

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS STIPULATION INCLUDES THE SAFETY OF ANY AND ALL PERSONS AND PROPERTY. THE CONTRACTOR SHALL FURTHER DEFEND, INDEMNIFY, AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, WITH THE EXCEPTION OF LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

GENERAL NOTES FOR ON-SITE UTILITIES

- 1. CONTRACTOR SHALL VERIFY ALL SITE UTILITY ROUTES, STRUCTURE LOCATIONS AND ASSOCIATED REQUIREMENTS WITH RESPECTIVE UTILITY COMPANIES BEFORE COMMENCING WORK ON THOSE UTILITIES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING ALL GRADE STAKES UNTIL AUTHORIZED BY SURVEYOR TO REMOVE.
3. NEW UTILITIES: STUB NEW UTILITY LINE 5 FEET OUTSIDE BUILDING WALL UNLESS OTHERWISE SHOWN ON PLAN. NEW UTILITY POINTS OF CONNECTION (P.O.C.) ARE SHOWN AT THEIR APPROXIMATE LOCATIONS. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL/MECHANICAL/PLUMBING PLANS FOR EXACT LOCATIONS OF P.O.C.'S.
4. RESTORATION/REPAIR: CONTRACTOR SHALL RESTORE/REPAIR ALL AREAS DAMAGED OR DISTURBED AS A RESULT OF ALL WORK PERFORMED PURSUANT TO THESE PLANS. SUCH AREAS INCLUDE, BUT ARE NOT LIMITED TO, CURB AND GUTTER, A.C. PAVEMENT, CONCRETE, STRIPING, LANDSCAPING, AND UTILITIES. RESTORATION/REPAIR SHALL INCLUDE, BUT IS NOT LIMITED TO, MATCHING A.C. AND CONCRETE SECTIONS AND TEXTURE, MATCHING FINISH AS APPLICABLE, ALL TO THE SATISFACTION OF THE DISTRICT.
5. ADDITIONAL MATERIALS: CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS AND LABOR, SUBJECT TO THE APPROVAL OF THE DISTRICT AND ARCHITECT/ENGINEER, NOT SPECIFICALLY DESCRIBED IN THE CONSTRUCTION NOTES BUT REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF THIS WORK.
6. ALL MATERIALS REMOVED SHALL BE TAKEN OFF THE OWNER'S PROPERTY BY CONTRACTOR AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE CODES UNLESS DIRECTED BY OWNER TO BE SALVAGED.
7. CONTRACTOR TO POTHOLE AND VERIFY THE SIZE, MATERIAL AND INVERT ELEVATION OF EXISTING UTILITY AND VERIFY THAT THE CONNECTION CAN BE MADE AS SHOWN ON THE PLAN. IN THE EVENT OF A DISCREPANCY, NOTIFY THE OWNER/PROJECT MANAGER OF THE FIELD FINDINGS 7 DAYS PRIOR TO THE CONSTRUCTION DATE FOR ALTERNATIVE RESOLUTION.

EROSION CONTROL

- EC1 - SCHEDULING
EC2 - PRESERVATION OF EXISTING VEGETATION
EC3 - HYDRAULIC MULCH
EC4 - HYDROSEEDING
EC5 - SOIL BINDERS
EC6 - STRAW MULCH
EC7 - GEOTEXTILES MATS
EC8 - WOOD MULCHING
EC9 - EARTH DIKES AND DRAINAGE SWALES
EC10 - VELOCITY DISSIPATION DEVICES
EC11 - SLOPE DRAINS
EC12 - STREAMBANK STABILIZATION
EC13 - RESERVED
EC14 - COMPOST BLANKET
EC15 - SOIL PREPARATION/ROUGHENING
EC16 - NON-VEGETATIVE STABILIZATION

TEMPORARY SEDIMENT CONTROL

- SE1 - SILT FENCE
SE2 - SEDIMENT BASIN
SE3 - SEDIMENT TRAP
SE4 - CHECK DAM
SE5 - FIBER ROLLS
SE6 - GRAVEL BAG BERM
SE7 - STREET SWEEPING AND VACUUMING
SE8 - SANDBAG BARRIER
SE9 - STRAW BALE BARRIER
SE10 - STORM DRAIN INLET PROTECTION
SE11 - ACTIVE TREATMENT SYSTEM
SE12 - TEMPORARY SILT DIKE
SE13 - COMPOST SOCKS AND BERMS
SE14 - BIOFILTER BAGS

WIND EROSION CONTROL

- WE1 - WIND EROSION CONTROL

EQUIPMENT TRACKING CONTROL

- TC1 - STABILIZED CONSTRUCTION ENTRANCE/EXIT
TC2 - STABILIZED CONSTRUCTION ROADWAY
TC3 - ENTRANCE / OUTLET TIRE WASH

BASIS OF BEARINGS

THE BASIS OF BEARINGS IS THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CORS) ZONE V, RELATIVE TO THE NORTH AMERICAN DATUM OF 1983 (2017.50 EPOCH GPS ADJUSTMENT), BASED ON STATIC GPS TIES TO TWO CONTINUOUS GPS STATIONS (CGPS) REFERRED TO AS "LAPD" AND "LFRS," BEING NORTH 66°52'41" WEST BASED ON POSITIONS PUBLISHED IN THE CALIFORNIA SPATIAL REFERENCE CENTER.

BENCHMARK

COUNTY OF RIVERSIDE BENCHMARK NAME "600-29-68"
ELEVATION: 429.249 FEET (DATUM: NGVD 29)
DESCRIPTION: AT CATHOLIC CHURCH IN SUN CITY, 0.4 NORTH OF INTERSECTION OF MURRIETA ROAD AND CHERRY HILLS ROAD, 204 FT NORTH OF INTERSECTION OF MURRIETA ROAD AND LANCASTER DRIVE, 57 FT NORTHEAST OF NORTHEAST CORNER OF THE RECTORY, 45 FT EAST OF MURRIETA ROAD, 7 FT SOUTHEAST OF THE NORTHEAST CORNER OF 6FT BLOCK WALL, 2FT SOUTH WEST OF A POWER POLE NO. 1623732-E, SET A BRASS DISK IN THE TOP OF A CONCRETE POST LEVEL WITH THE ROAD.

GENERAL SCOPE OF WORK

THE SCOPE OF WORK WILL CONSIST OF THE FOLLOWING:
FURNISHING ALL LABOR, MATERIALS, NECESSARY TOOLS, EQUIPMENT, SUPERVISION, APPURTENANCES, CONSTRUCTION PERMITS, UTILITY OWNER COORDINATION, AND ALL UTILITY AND TRANSPORTATION SERVICES REQUIRED FOR: IMPROVEMENTS AT KABIAN PARK; EROSION CONTROL MEASURES; REMOVAL OF AN EXISTING RESTROOM BUILDING; REMOVAL OF EXISTING SITE AMENITIES; REMOVAL OF EXISTING ASPHALT AND CONCRETE PAVEMENT; REMOVAL OF EXISTING SIGNS AND OTHER MISCELLANEOUS IMPROVEMENTS ON OR ADJACENT TO THE SITE; AND CONSTRUCTION OF A DECOMPOSED GRANITE PARKING LOT AND GAMMA AREA, ASPHALT ADA PARKING STALLS, ACCESSIBLE CONCRETE PATHWAY FROM THE PARKING LOT TO THE RESTROOM BUILDING AND PLAYGROUND, RUBBERIZED PLAYGROUND SURFACING WITH SUB-SURFACE DRAINAGE, LANDSCAPE IMPROVEMENTS, UTILITY SERVICES, SIGNAGE, LIGHTING, DRAINAGE FACILITIES, SITE FURNISHINGS, ENTRANCE GATE, SIGNAGE, FENCING, AND OTHER MISCELLANEOUS SITE AMENITIES AS SHOWN ON THE CONSTRUCTION PLANS.

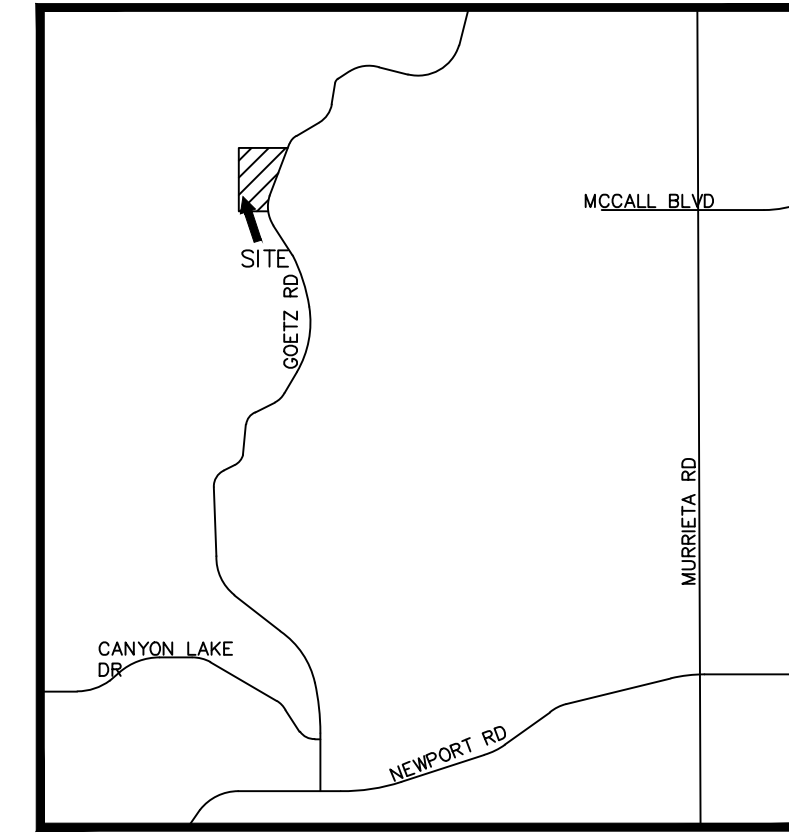
ELECTRICAL SCOPE OF WORK SHALL CONSIST OF THE FOLLOWING:

UPGRADE EXISTING SERVICE PANEL TO 250A @ 120/240V SERVICE TO SUPPORT EXISTING AND PROPOSED ELECTRICAL LOADS. THIS WORK INCLUDES INSTALLATION OF UNDERGROUND CONDUIT, CONDUCTORS, PULLBOXES, AND OTHER ELECTRICAL PROVISIONS TO SUPPORT THE PROPOSED EQUIPMENT ON SITE. PROPOSED ELECTRICAL EQUIPMENT/LOADS INCLUDE: IRRIGATION CONTROLLER, WATER FOUNTAIN CHILLER, MAIN GATE MOTOR, GATE LIGHTING, BATHROOM LOADS, AND PROVISIONS FOR FUTURE PARK LIGHTING.

SITE APN: 349-210-001

LEGEND

Table with 2 columns: Symbol and Description. Includes items like FS FINISH SURFACE ELEVATION, TC TOP OF CURB ELEVATION, TSX TOP OF CONCRETE SLAB ELEVATION, XXX.XX PROPOSED SPOT ELEVATION, WALL, EXISTING FENCE, NEW CHAINLINK FENCE, NEW TUBULAR STEEL FENCE, G.B. GRADE BREAK, DRIVEWAY, CURB & GUTTER, H.P. HIGH POINT, N.G. NATURAL GROUND, S.P.P.W.C. STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, T.O.G.S. TOP OF GOPHER SLURRY ELEVATION, EX. EXISTING, EMH ELECTRICAL MANHOLE, CMH COMMUNICATIONS MANHOLE, FL FLOW LINE, T.B.M. TEMPORARY BENCH MARK, CONC. CONCRETE PAVEMENT, A.C. ASPHALT CONCRETE PAVING, NEW, F.F. FINISH FLOOR, EG. EDGE OF GUTTER, CLR. CLEAR, SCO SEWER CLEAN-OUT, SMH SEWER MANHOLE, P.A. PLANTER AREA, D.I. DRAINAGE INLET, DG DECOMPOSED GRANITE, FLB FLOW LINE BOX (PARKWAY DRAIN), SDCC STORM DRAIN CLEAN-OUT, WV WATER VALVE, GV GAS VALVE, INV INVERT ELEVATION, TG TOP OF GRATE, R.L. RIDGE LINE, A.T.G. ADJUST TO GRADE



VICINITY MAP

SHEET INDEX table with columns: Sheet Number, Sheet Title. Lists sheets C-100 through C-301, HS-100 through HS-202, IR-100 through IR-201, E-1.00 through E-3.01, and 1 through 4.

PRIVATE ENGINEER'S NOTICE TO CONTRACTOR

1. THE EXISTENCE AND LOCATION OF ANY AND ALL CONDUITS, UTILITY PIPES, AND STRUCTURES SHOWN ON THIS SET OF PLANS ARE OBTAINED BASED ON AVAILABLE RECORDS AT THE TIME OF DESIGN. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT AT THE TIME OF DESIGN EXCEPT AS SHOWN ON THIS SET OF PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY AND ALL EXISTING UTILITIES SHOWN ON THIS SET OF PLANS. THE CONTRACTOR FURTHER ASSUMES ANY AND ALL LIABILITY AND RESPONSIBILITY FOR THE CONDUITS, UTILITY PIPES, AND STRUCTURES SHOWN ON THIS SET OF DRAWINGS.

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS STIPULATION INCLUDES THE SAFETY OF ANY AND ALL PERSONS AND PROPERTY. THE CONTRACTOR SHALL FURTHER DEFEND, INDEMNIFY, AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, WITH THE EXCEPTION OF LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

- 2. CONTRACTOR SHALL ATTAIN A LICENSED CALIFORNIA LAND SURVEYOR TO STAKE THE PROJECT AND PROPOSED RESTROOM BUILDING SIGNED AND SEALED BY A CALIFORNIA LICENSED LAND SURVEYOR PRIOR TO INSTALLATION OF THE BUILDING.
3. CONTRACTOR MUST ENSURE THE COMPACTION REQUIREMENTS FOR THE PROPOSED RESTROOM BUILDING PAD ARE ACHIEVED PER RECOMMENDATIONS ON DETAIL "22/C-102". COMPACTION TESTING AND CERTIFIED PAD SIGNED BY CALIFORNIA LICENSED GEOTECHNICAL ENGINEER IS REQUIRED PRIOR TO INSTALLATION OF THE BUILDING.
4. CONTRACTOR MUST PROVIDE ENGINEER OF RECORD WITH CERTIFIED PAD ELEVATIONS FOR THE PROPOSED RESTROOM BUILDING SIGNED AND SEALED BY A CALIFORNIA LICENSED LAND SURVEYOR PRIOR TO INSTALLATION OF THE BUILDING.

NOTE:
THE PRE-FABRICATED RESTROOM BUILDING WILL BE A DEFERRED SUBMITTAL. THE INCLUDED RESTROOM BUILDING DRAWINGS AT THE END OF THIS PLAN SET SHALL BE USED FOR BIDDING PURPOSES ONLY AND CONTRACTOR SHALL SELECT, AND INCLUDE IN THEIR BID, A CONTRACTOR THAT WILL PROVIDE EQUIP RESTROOM BUILDING.



Kimley Horn

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KABIAN PARK IMPROVEMENTS COUNTY OF RIVERSIDE 28001 GOETZ ROAD QUAIL VALLEY, CA 92587

REVISION SCHEDULE table with columns: NO., DATE, DESCRIPTION. Includes revision 1 on 06/13/2024 FOR BID.
CONSULTANT PROJECT # 194254101
PRINTED FOR
DATE 06/13/2024
DRAWN BY GH/CM
SHEET COVER SHEET
SHEET NUMBER

Plotted By: Lico, Michael Sheet Set: Kha Layout: COVER SHEET June 13, 2024 09:44:06am K:\ORLA_DE\194254101 - Kabian Park Improvements\CAD\PlanSheets\COVER SHEET.dwg





Kimley»Horn

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**KABIAN PARK
IMPROVEMENTS
COUNTY OF RIVERSIDE
28001 GOETZ ROAD
QUAIL VALLEY, CA 92587**

100% SUBMITTAL

REVISION SCHEDULE

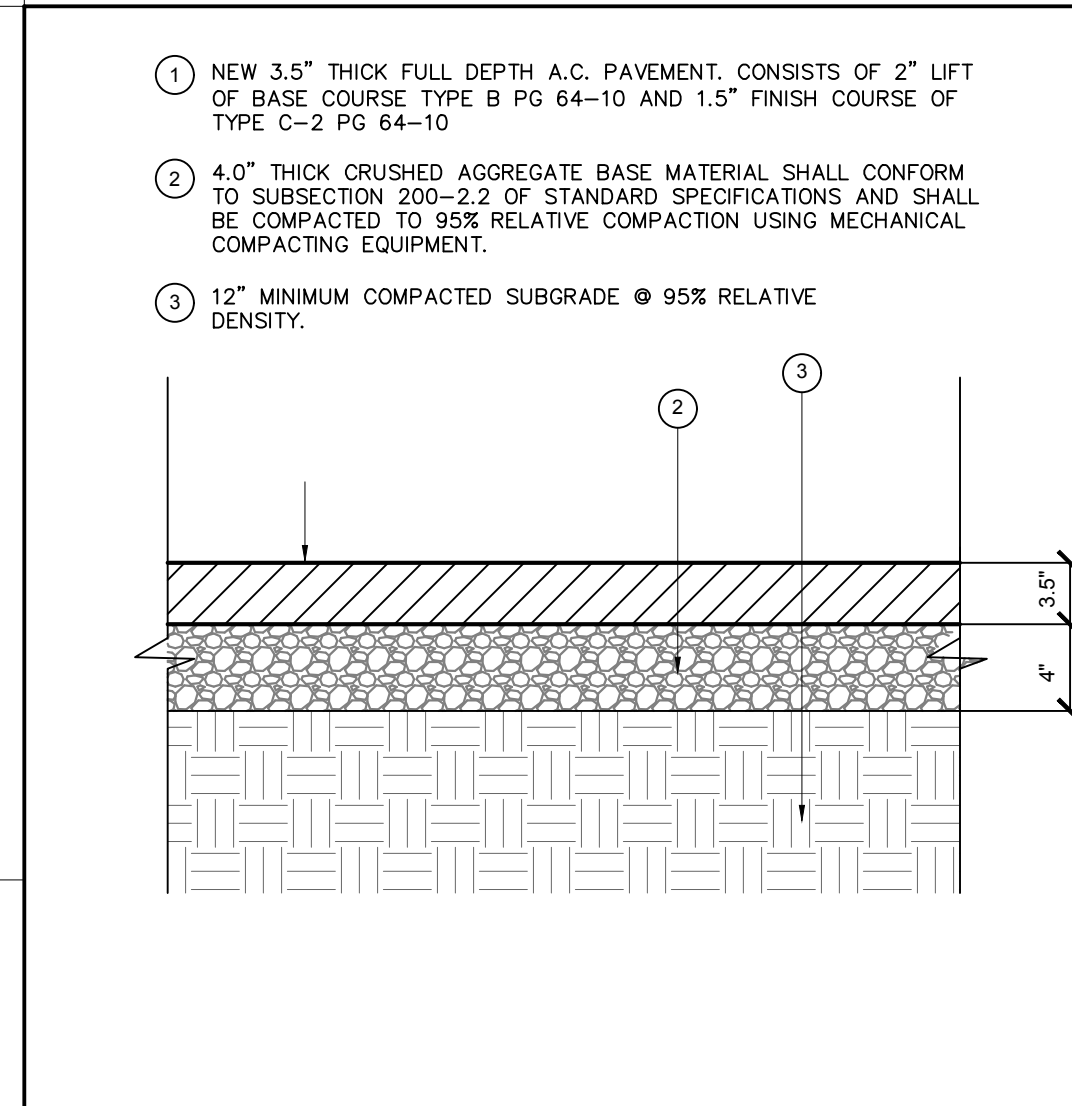
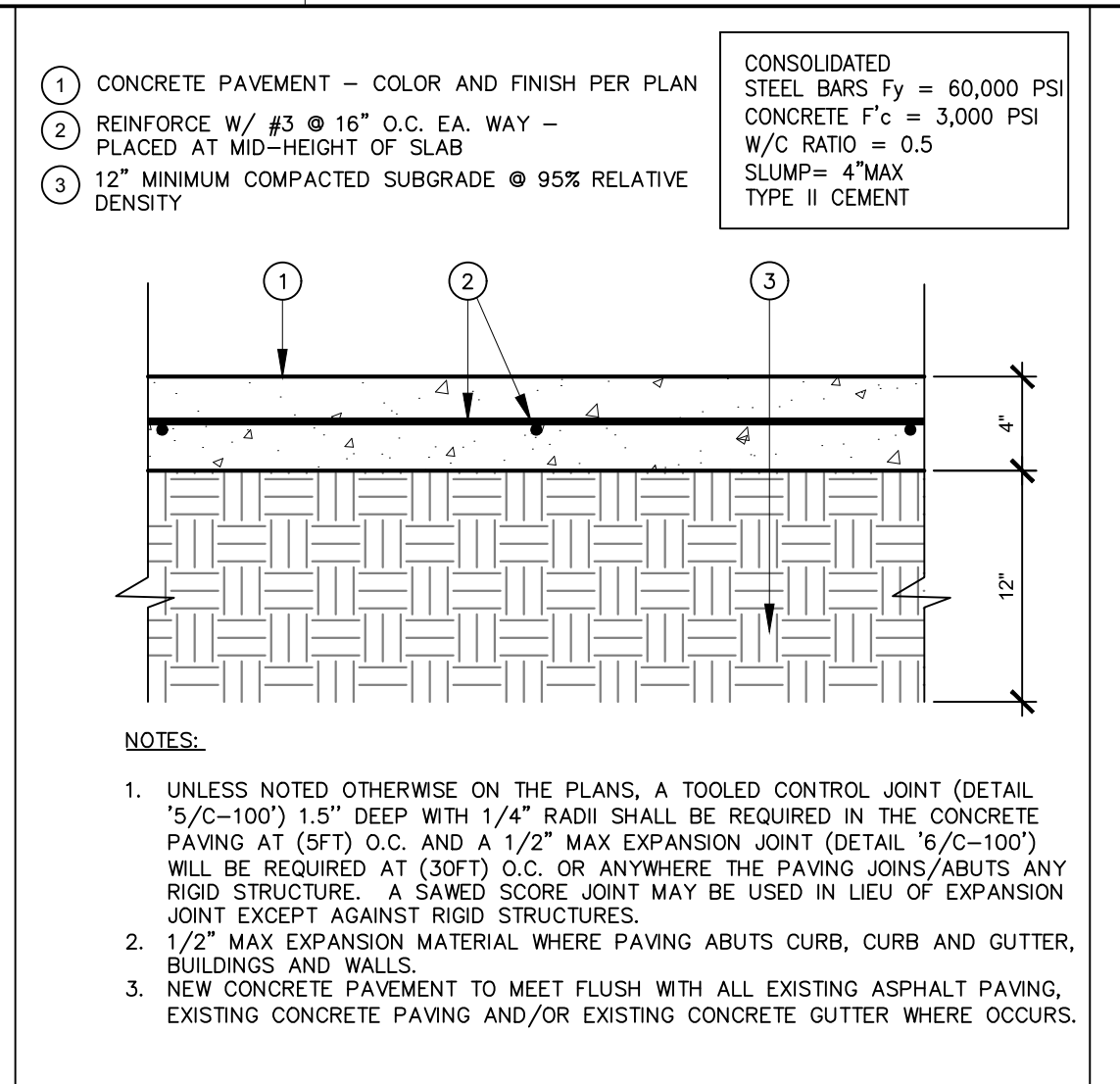
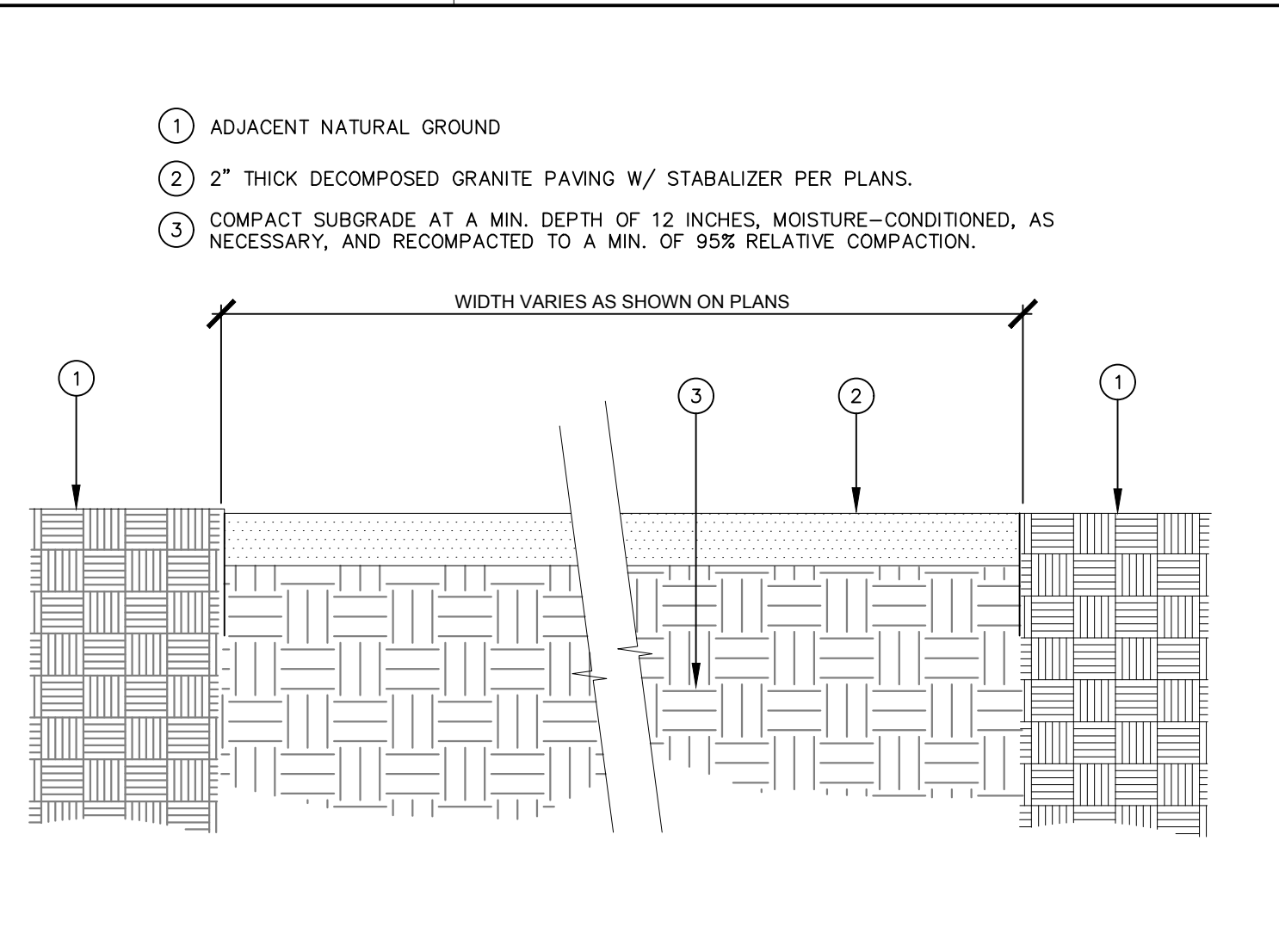
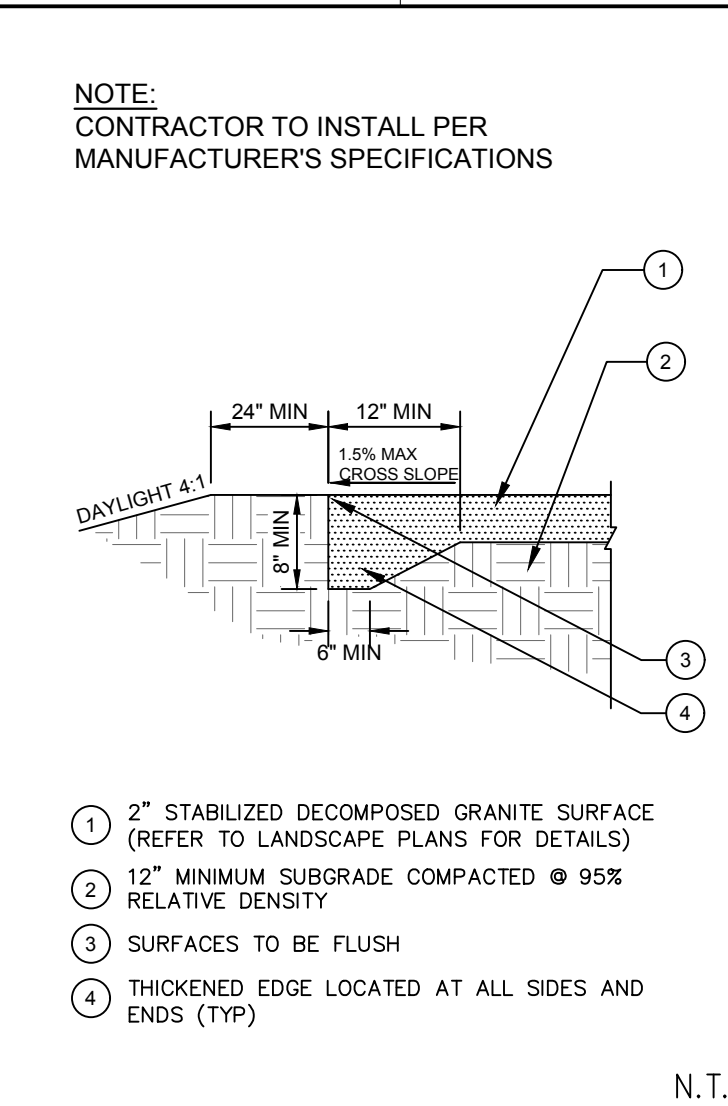
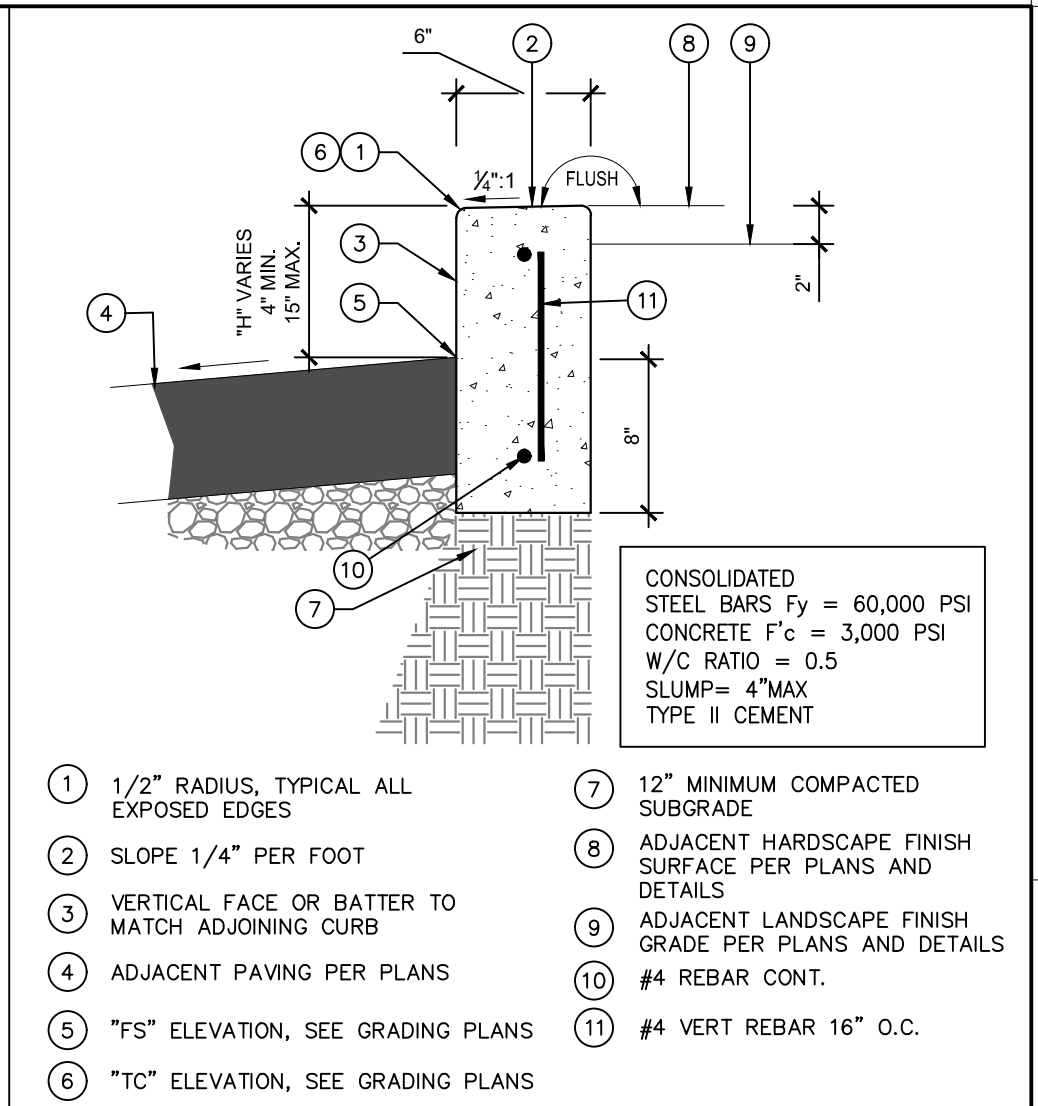
NO.	DATE	DESCRIPTION
1	06/13/2024	FOR BID

CONSULTANT PROJECT #	194254101
PRINTED FOR	
DATE	06/13/2024
DRAWN BY	GH/CM

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SHEET
DETAILS
SHEET NUMBER

C-100



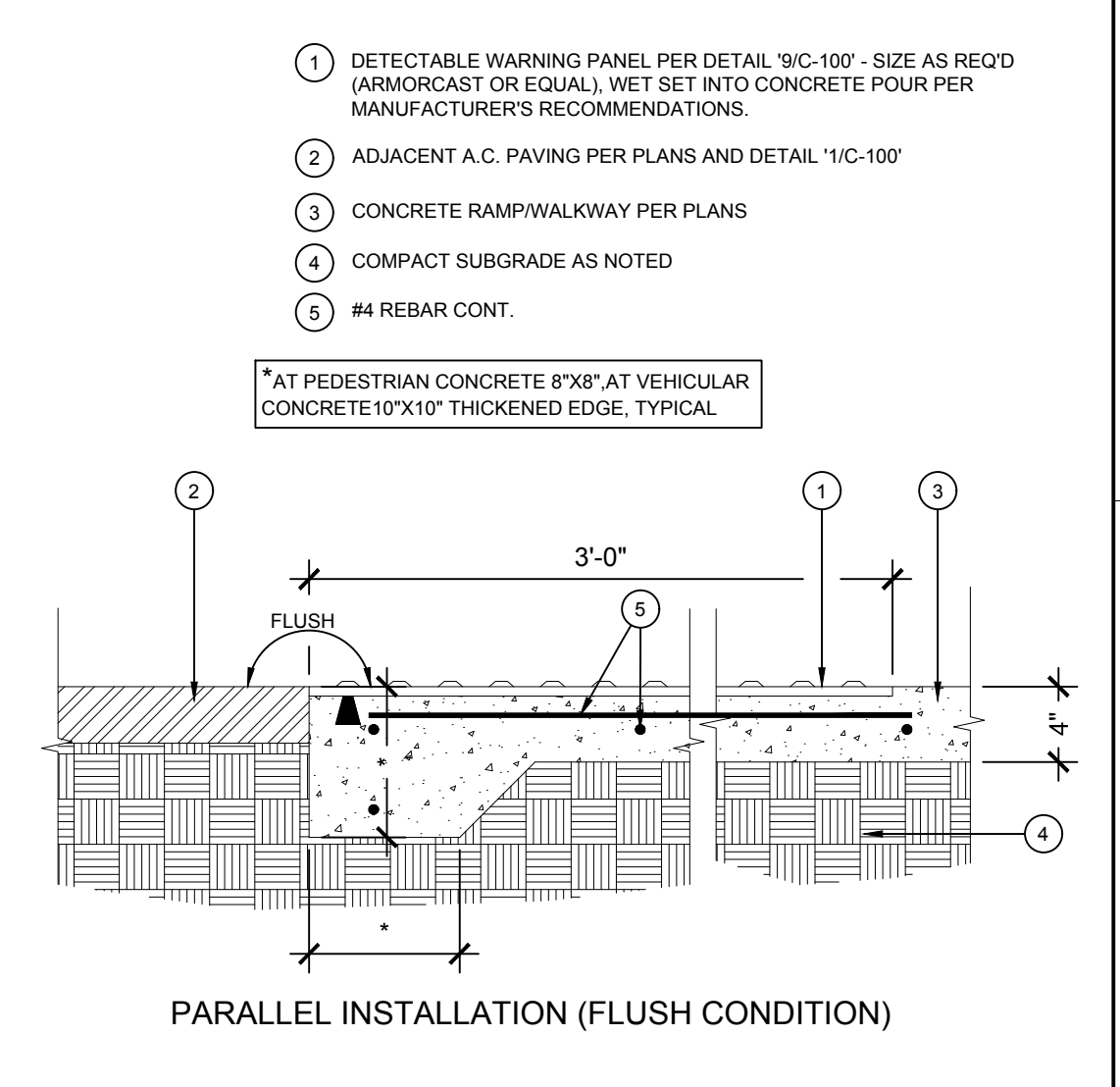
5 6" WIDE CONCRETE CURB N.T.S.

4 DECOMPOSED GRANITE PAVING THICKENED EDGE N.T.S.

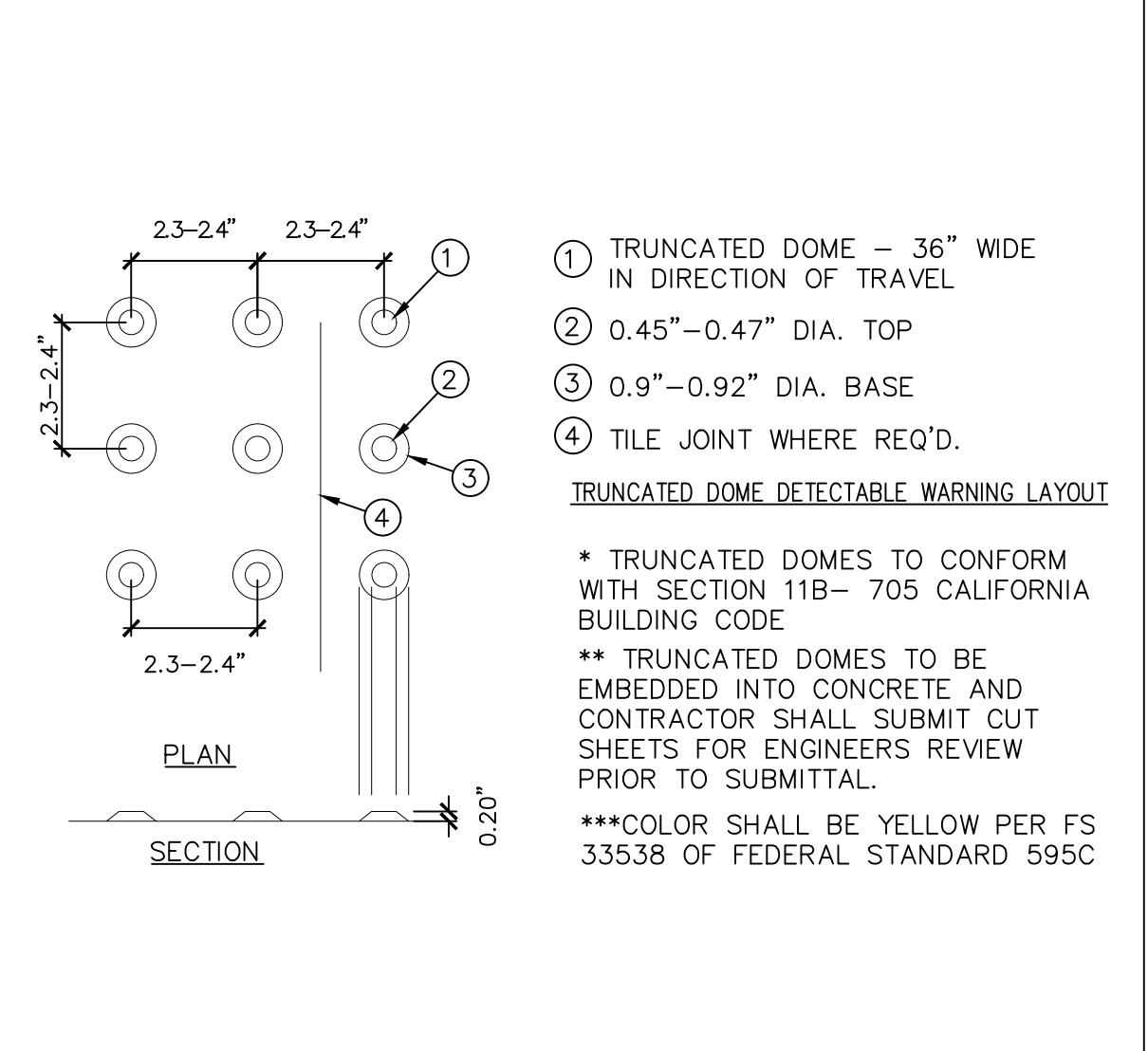
3 DECOMPOSED GRANITE PAVING N.T.S.

2 PEDESTRIAN CONCRETE N.T.S.

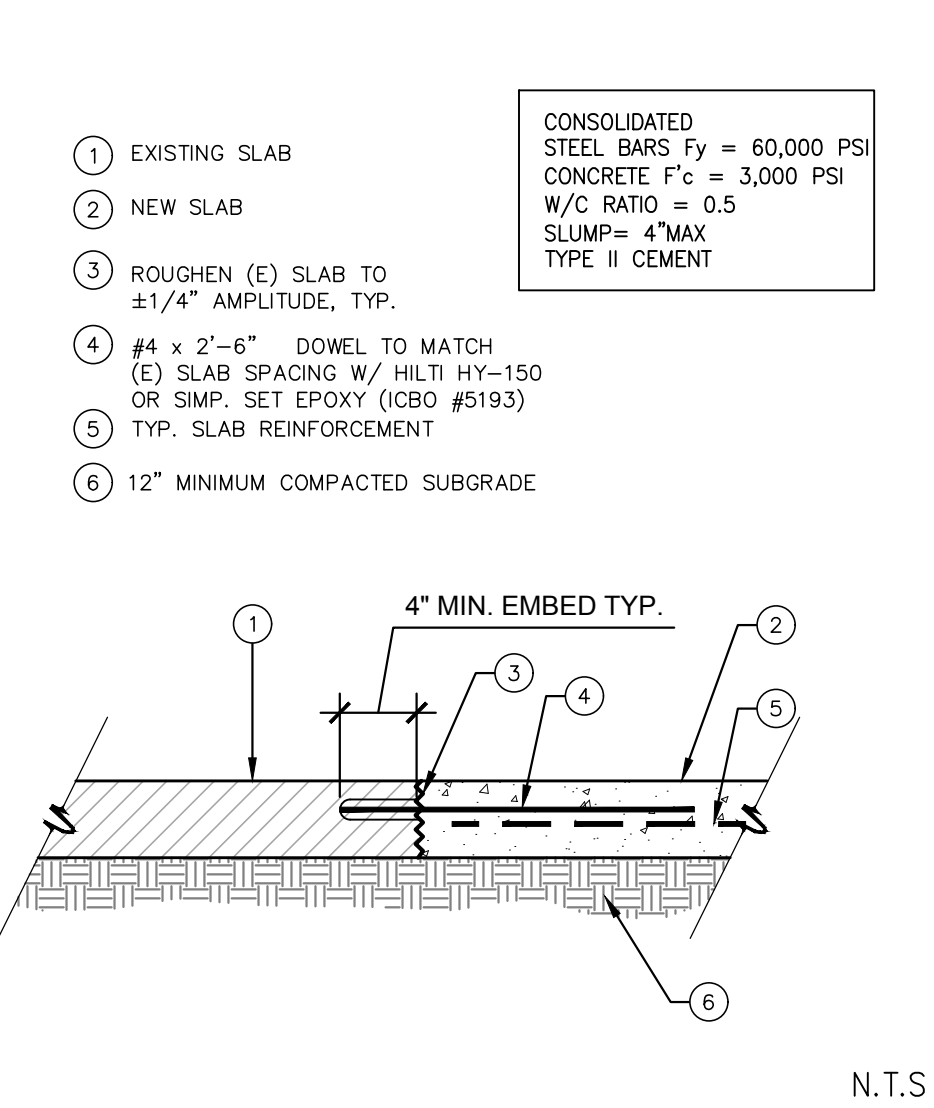
1 ASPHALT CONCRETE PAVEMENT N.T.S.



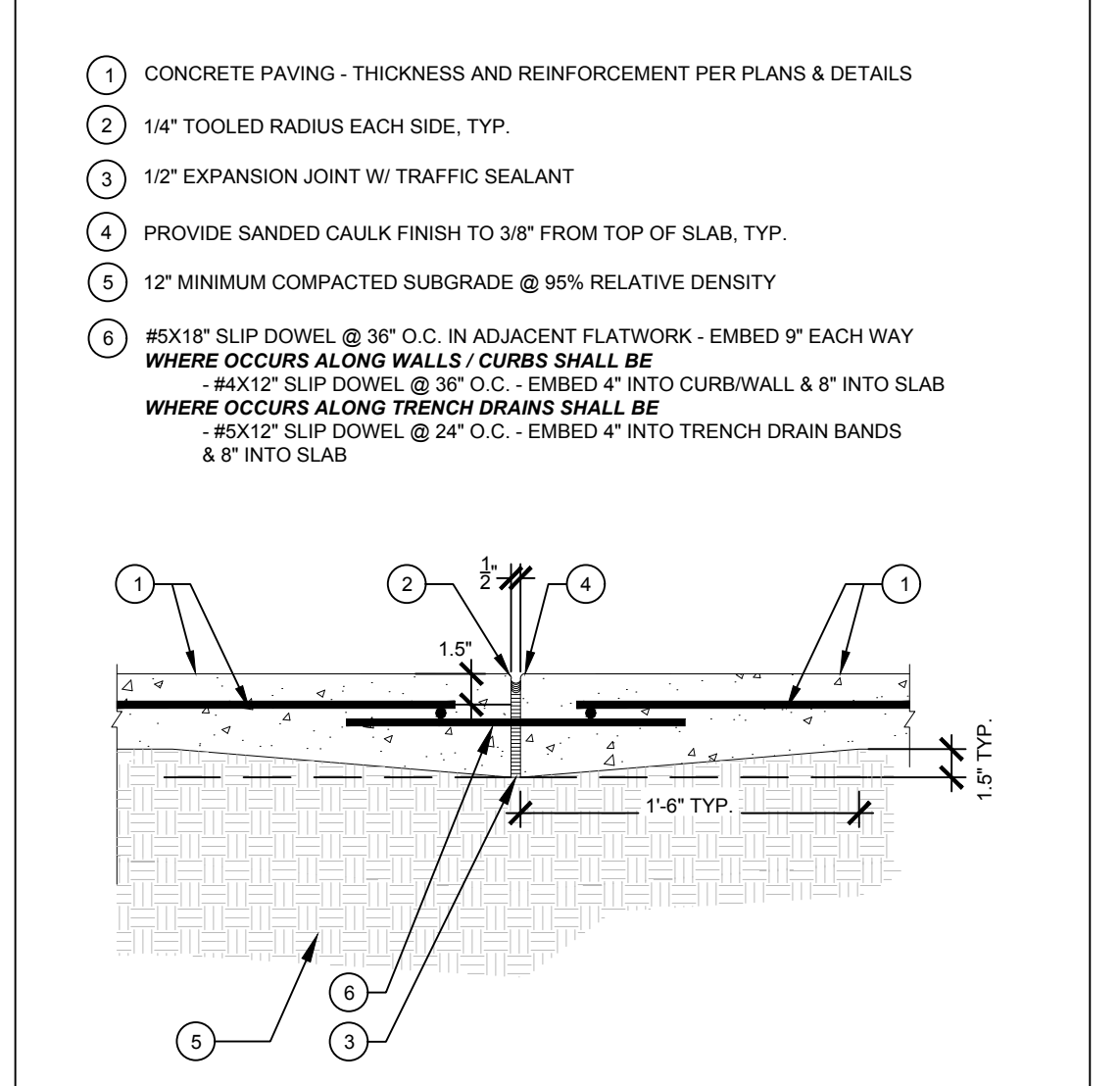
10 PARALLEL TRUNCATED DOME INSTALLATION N.T.S.



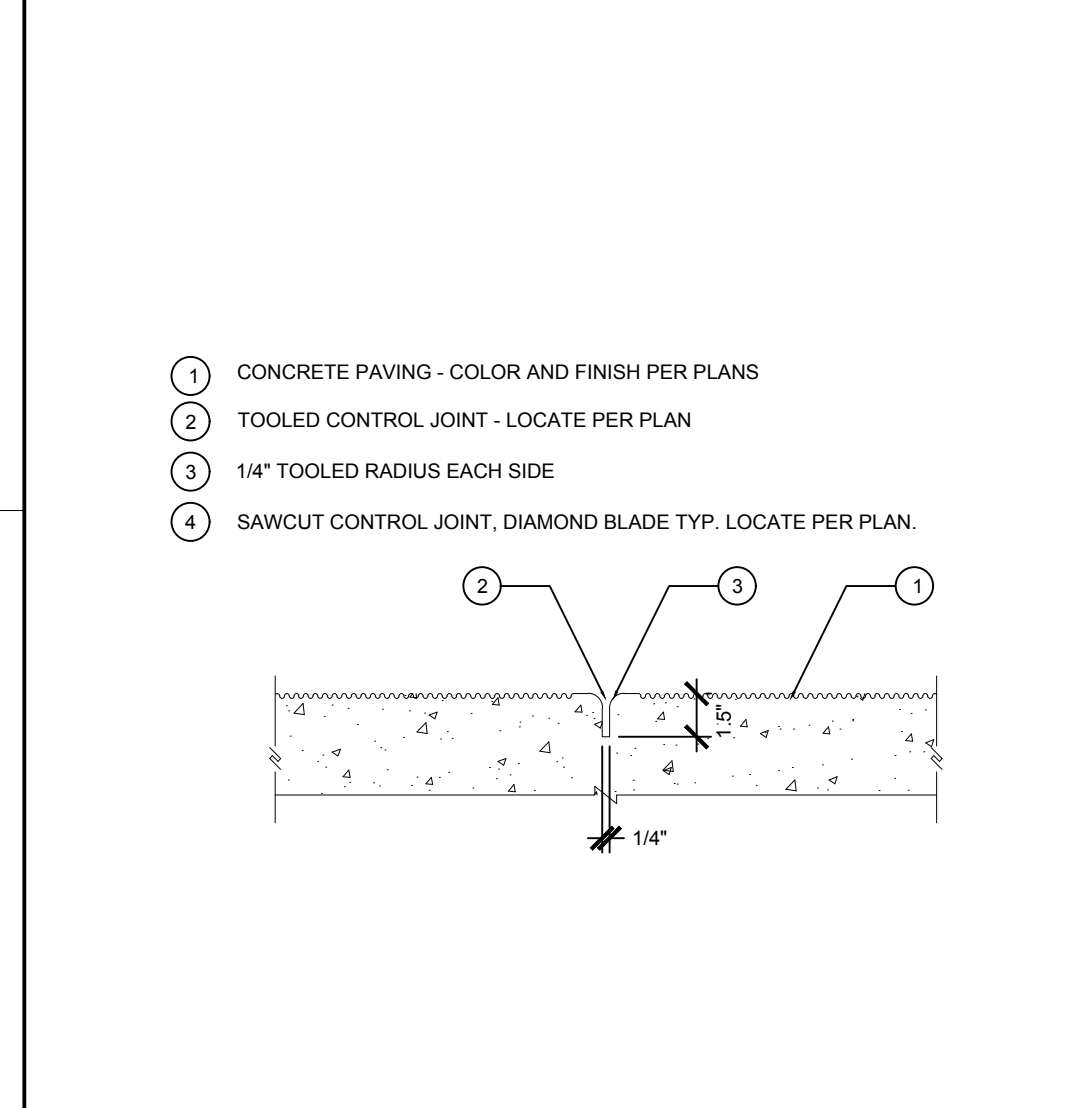
9 TRUNCATED DOMES N.T.S.



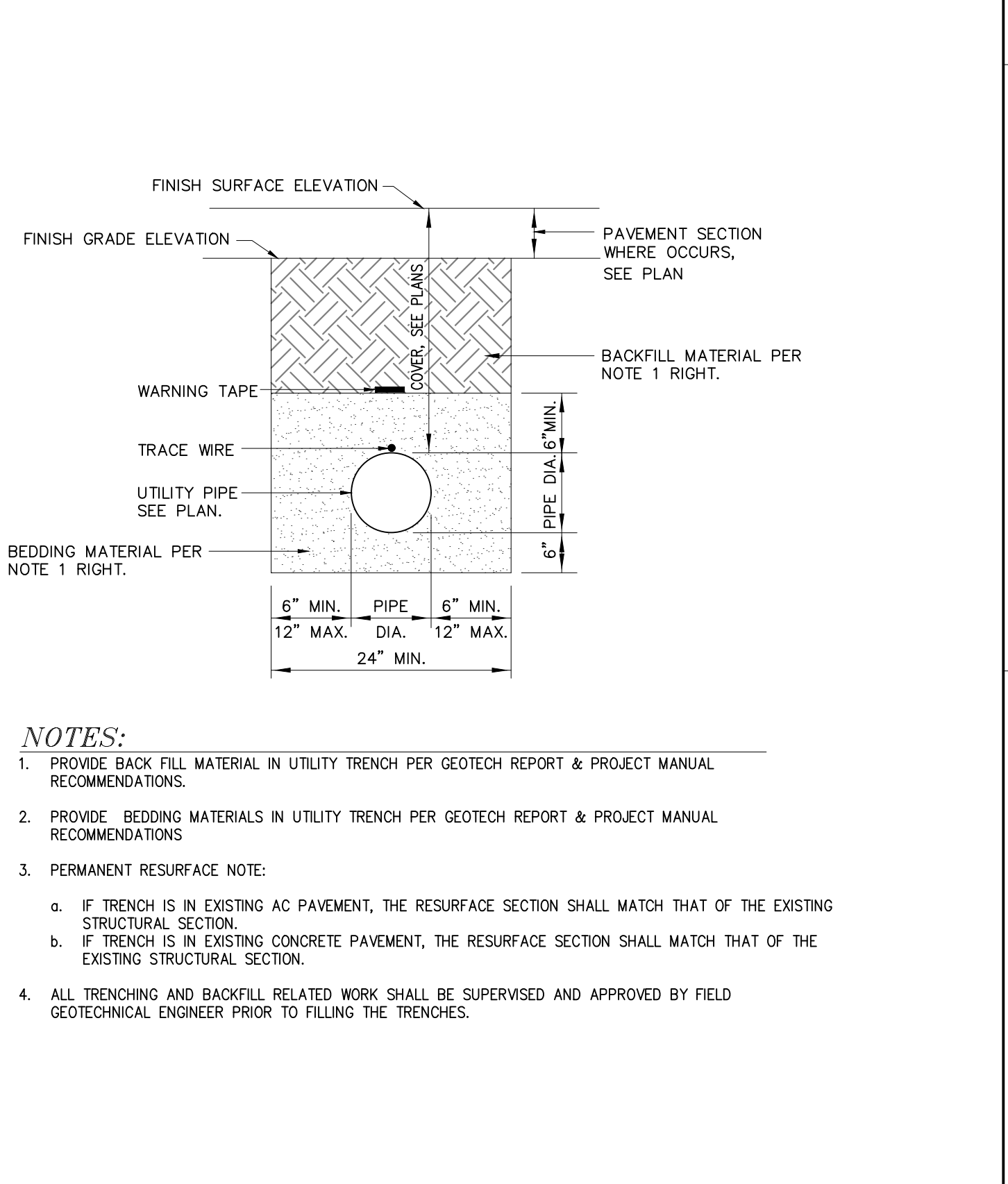
8 NEW CONCRETE SLAB JOINING EXISTING N.T.S.



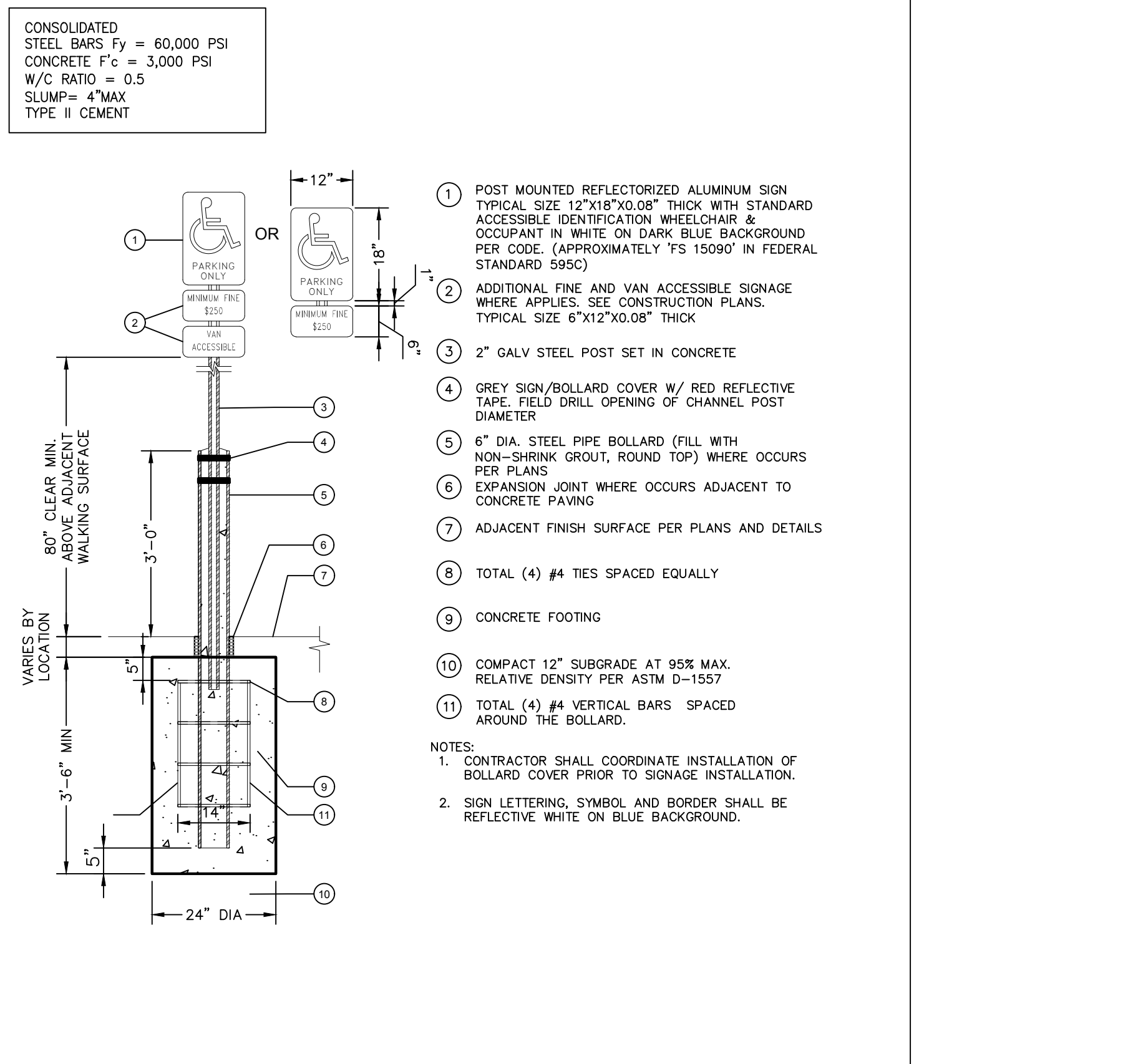
7 EXPANSION JOINT N.T.S.



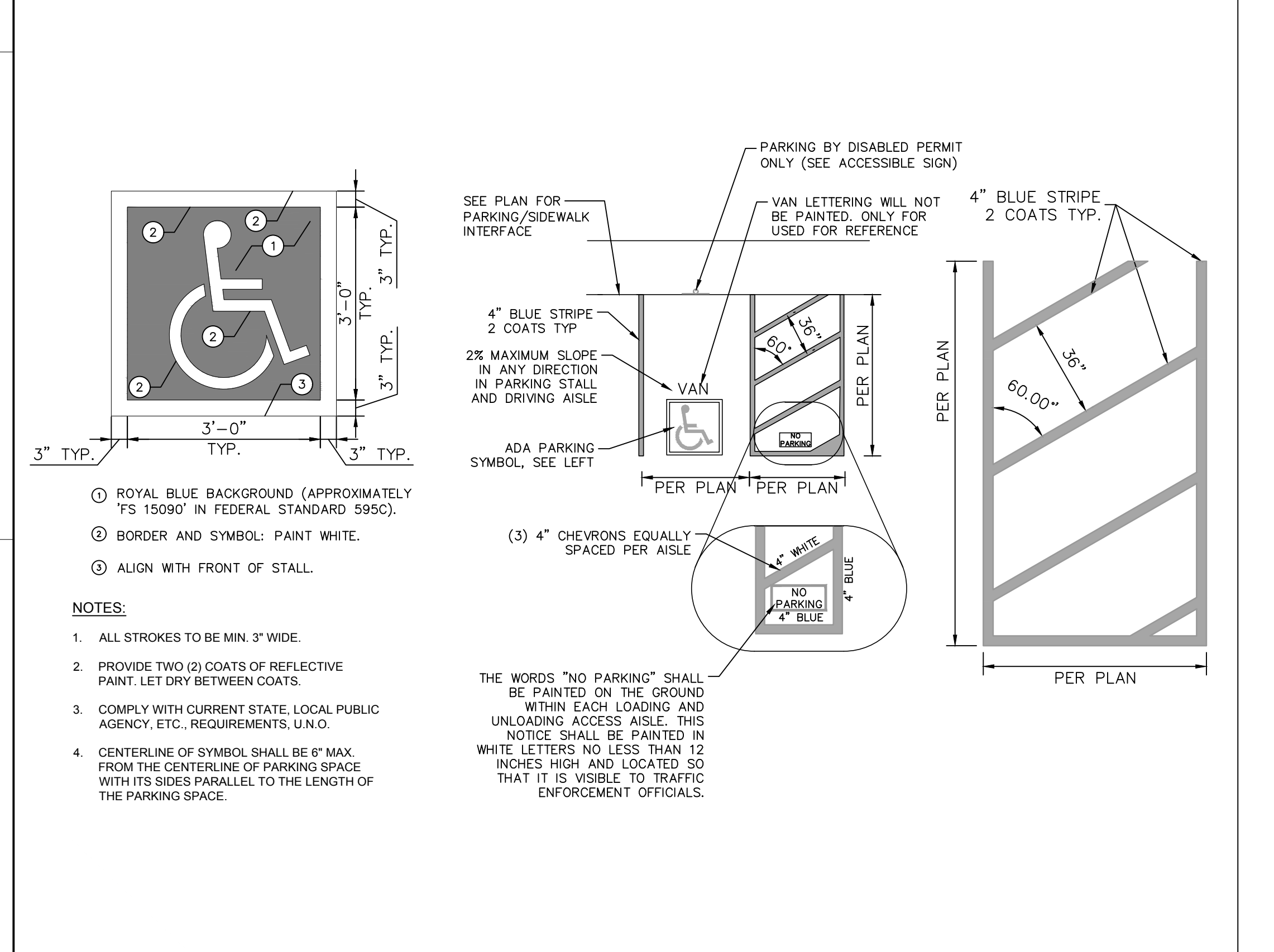
6 CONTROL JOINT N.T.S.



11 ACCESSIBLE 90° PARKING STRIPING N.T.S.



12 ACCESSIBLE PARKING SIGN N.T.S.



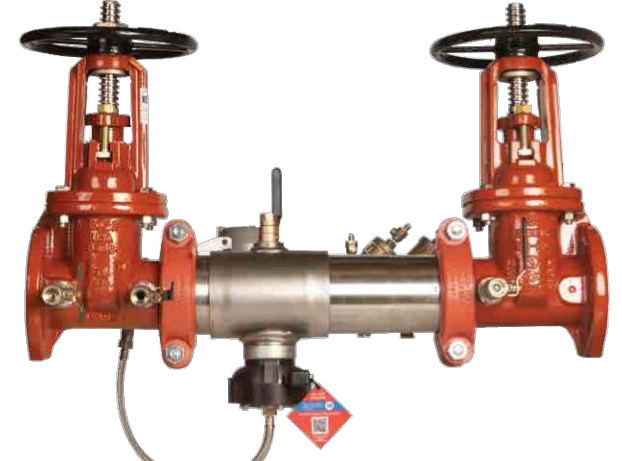
13 UTILITY TRENCH N.T.S.

Plotted By: Lico, Michael Sheet: Kha Layout: C-100 DETAILS June 13, 2024 09:44:20am K:\ORA_DEV\194254101 - Kabian Park Improvements\CA\Drawings\Sheet\DETAILS.dwg

LEAD FREE

Series LF957RPDA-FS

Reduced Pressure Detector Assemblies
2 1/2" - 10"



LF957RPDA-FS-OSY

The series LF957RPDA-FS Reduced Pressure Detector Assemblies provide protection to the potable water system from contamination in accordance with national plumbing codes. The assemblies are normally used in health hazard applications to protect against back-siphonage and backpressure, as well as to monitor unauthorized use of water from the fire protection system. The Lead Free* construction to comply with Lead Free* installation requirements.

Features

- Lead Free* construction
- Extremely compact design
- 70% lighter than traditional designs
- 304 (Schedule 40) stainless steel housing & sleeve
- Groove fittings allow integral pipeline adjustment
- Patented torsion spring check provides lowest pressure loss
- Unmatched ease of serviceability
- Replaceable check disc rubber
- Available with grooved butterfly valve shutoffs
- Bottom mounted cast stainless steel relief valve

- Motorized bypass to detect leakage or theft of water from the fire sprinkler system
- Integrated sensor for flood detection, activated by add-on sensor connection kit

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

Inquire with governing authorities for local installation requirements.

NOTICE

Use of the integrated flood sensor does not replicate the need to comply with all required instructions, codes, and regulations related to installation, operation, and maintenance of this product, including the need to provide proper drainage in the event of a discharge.

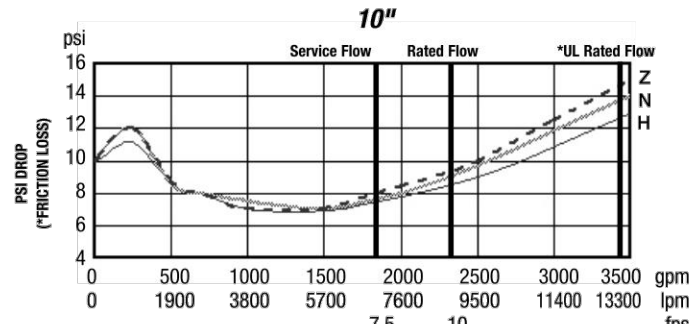
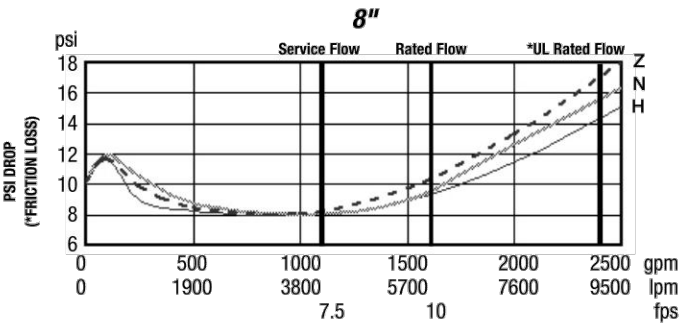
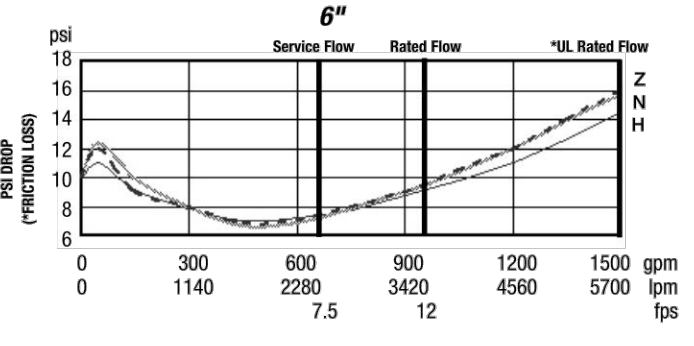
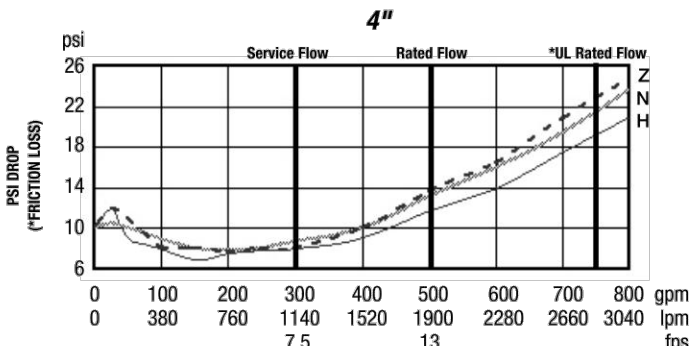
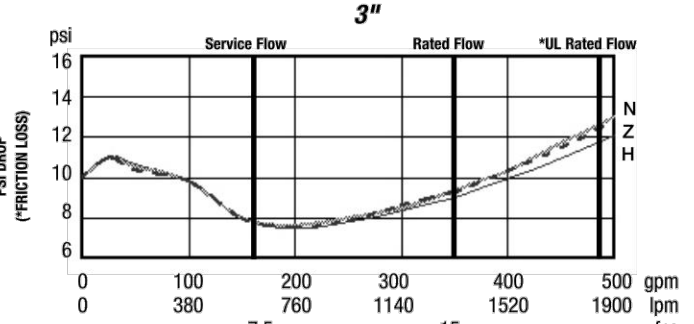
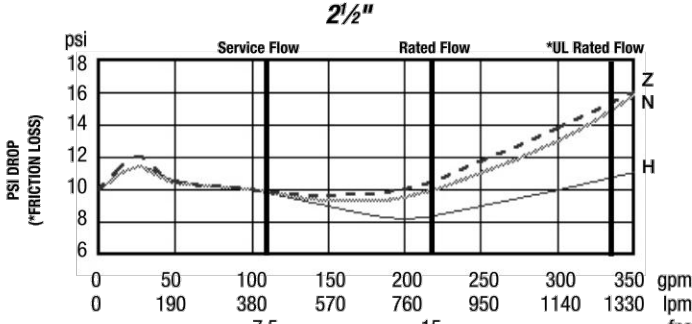
Watts® is not responsible for the failure of alerts due to connectivity or power issues.

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



Capacity
Flow curves as tested by Underwriters Laboratories, excluding 6" Z-pattern configuration.
Flow characteristics collected using butterfly shutoff valves.
— Horizontal — N-Pattern - - - - - Z-Pattern

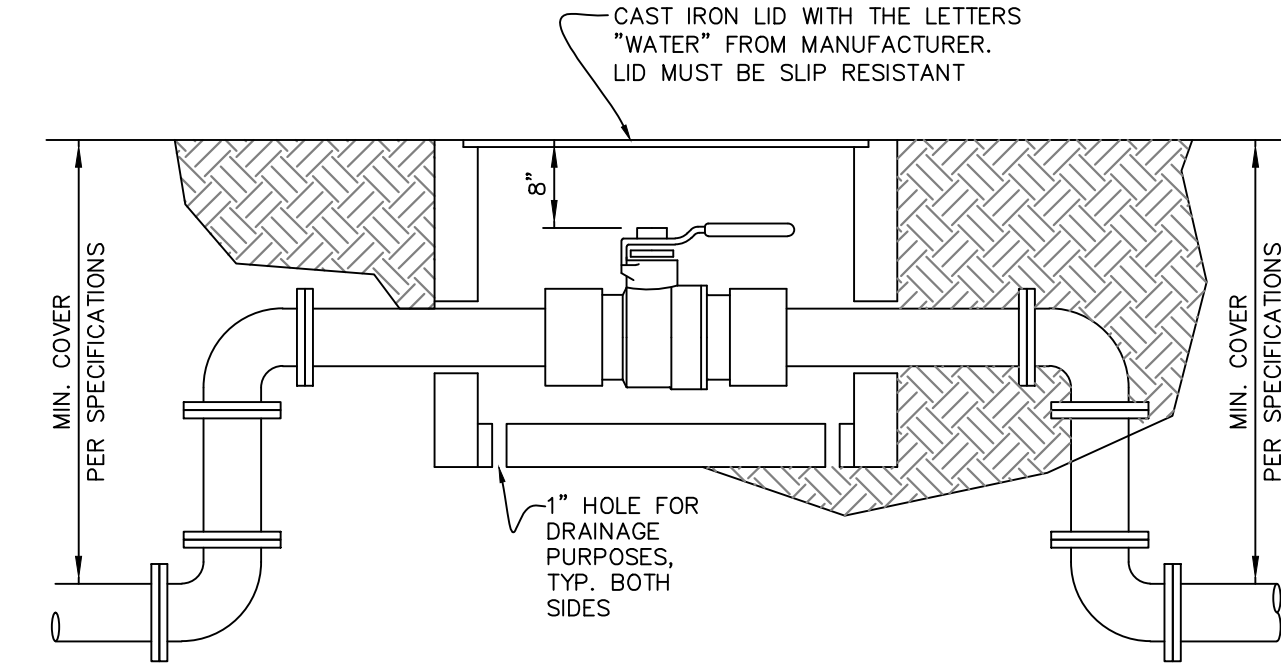


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ES-LF957RPDA-FS 2230

Flow capacity chart identifies valve performance based upon rated water velocity up to 25 fps.
• Service Flow is typically determined by a rated velocity of 7.5 fps based upon schedule 40 pipe.
• Rated Flow identifies maximum continuous duty performance determined by AWWA.
• UL Flow Rate is 150% of Rated Flow and is not recommended for continuous duty.
• AWWA Manual M22 (Appendix C) recommends that the maximum water velocity in services be not more than 10 fps.



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KABIAN PARK IMPROVEMENTS

COUNTY OF RIVERSIDE

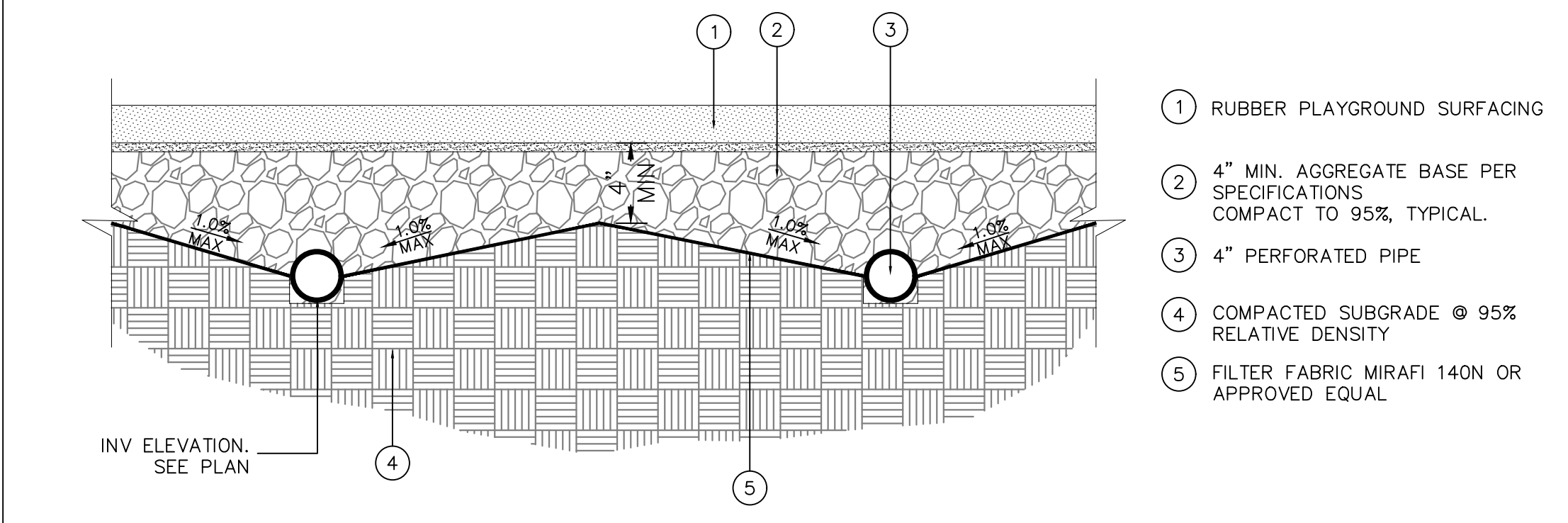
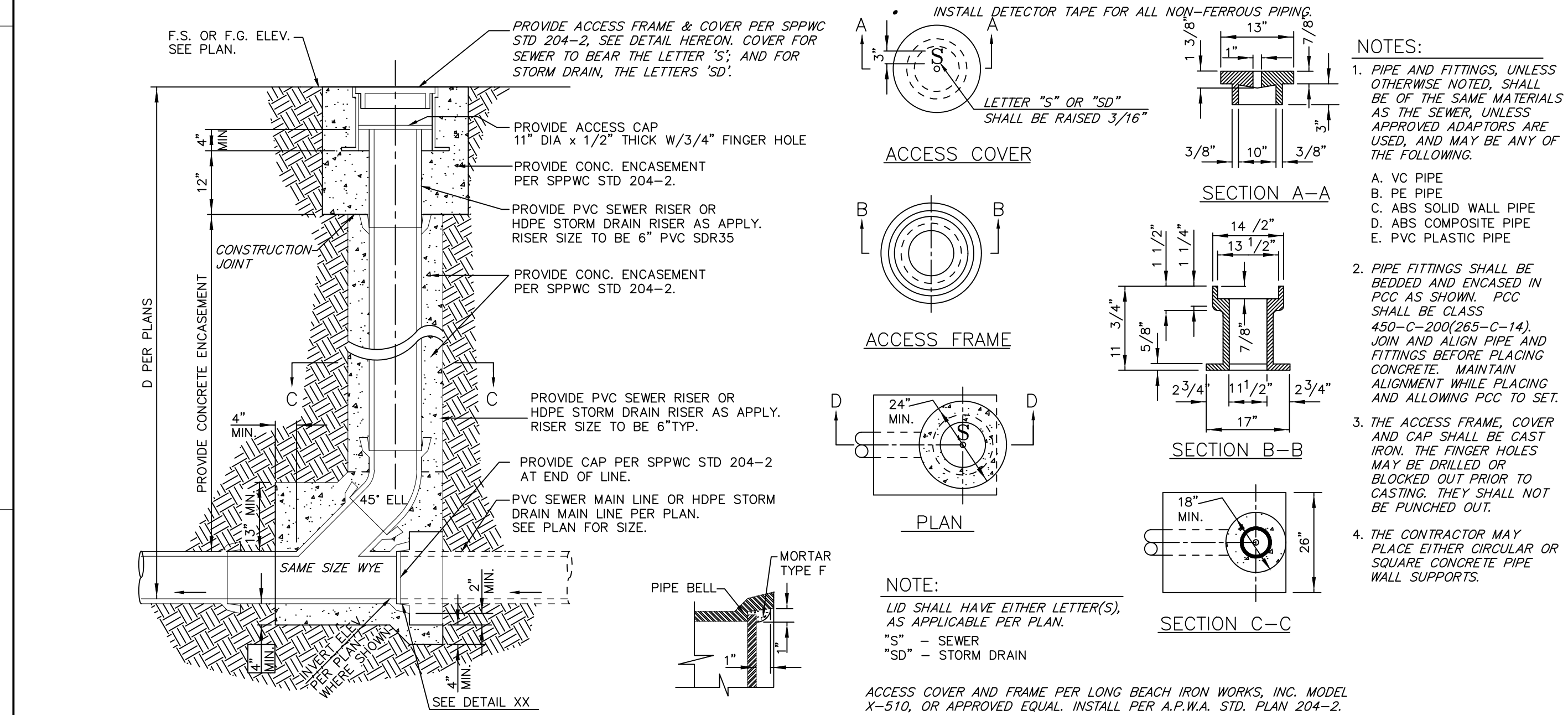
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14 REDUCED PRESSURE DETECTOR ASSEMBLY

N.T.S

15 GATE VALVE AND VALVE BOX FOR 3" VALVE OR SMALLER

N.T.S



17 CROSS SECTION AT RUBBERIZED PLAYGROUND AREA

N.T.S

ADS, Inc. Drainage Handbook Specifications • 1-38

FLARED END SECTION SPECIFICATION

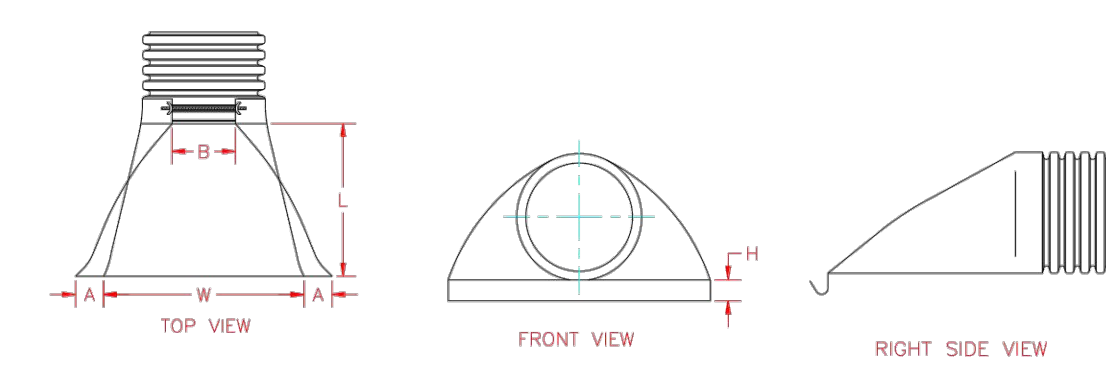
Scope
This specification describes 12- through 36-inch (300 to 900mm) Flared End Sections for use in culvert and drainage outlet applications.

Requirements
The Flared End Section shall be high density polyethylene meeting ASTM D3350 minimum cell classification 213320C; contact manufacturer for additional cell classification information. When provided, the metal threaded fastening rod shall be stainless steel.

Installation
Installation shall be in accordance with ADS installation instructions and with those issued by state or local authorities. Contact your local ADS representative or visit www.adspipe.com for the latest installation instructions.

Dimension	PIPE DIAMETER, in (mm)			
	12 (300)	15 (375)	18 (450)	24 (600)
A	6.5 (165)	6.5 (165)	7.5 (191)	7.5 (191)
B	10.0 (254)	10.0 (254)	15.0 (381)	18.0 (476)
T	6.5 (165)	6.5 (165)	6.5 (165)	6.5 (165)
L	25.0 (635)	25.0 (635)	32.0 (813)	38.0 (974)
W	29.0 (737)	29.0 (737)	35.0 (889)	45.0 (1143)

*Product detail may differ slightly from actual product appearance



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16 SEWER CLEANOUT

N.T.S

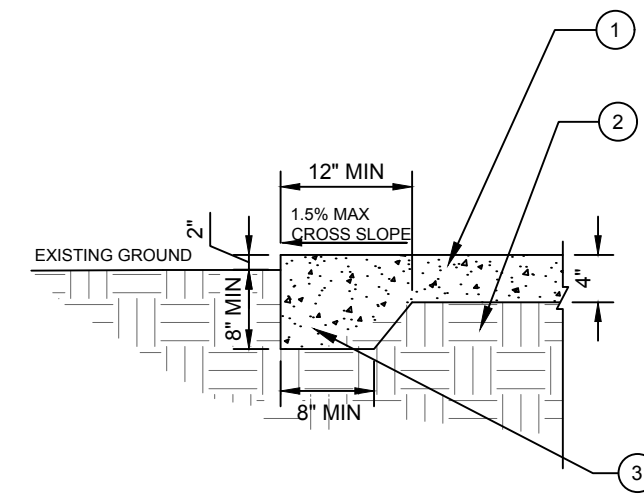
18 ADS FLARED END SECTION

N.T.S

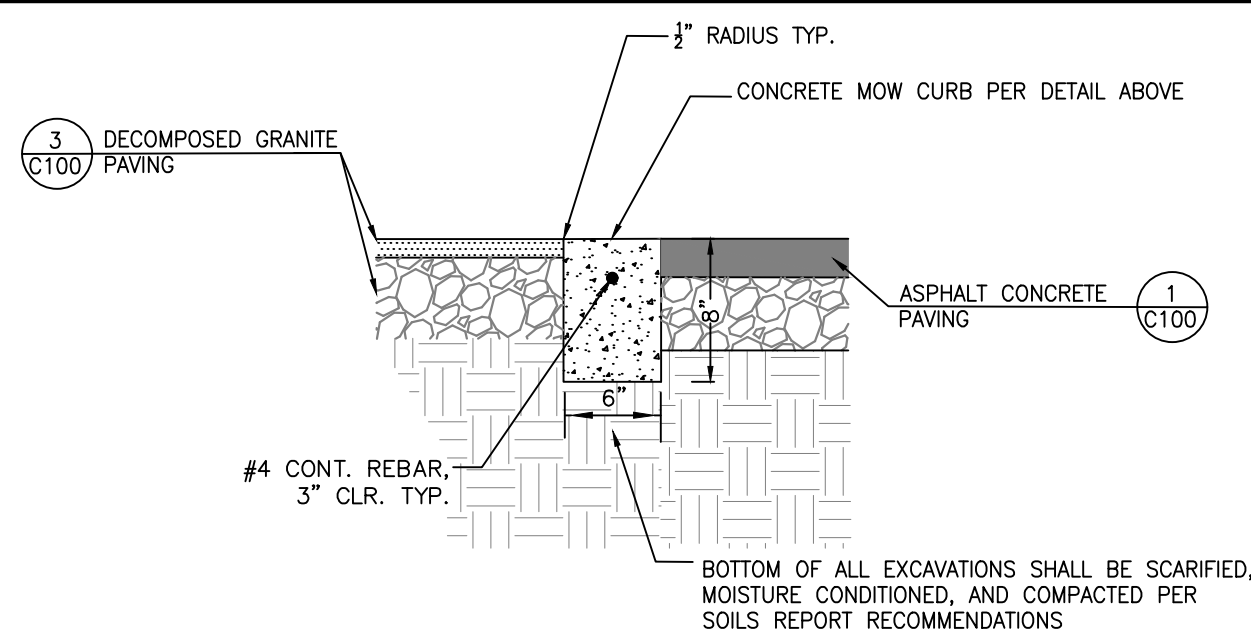
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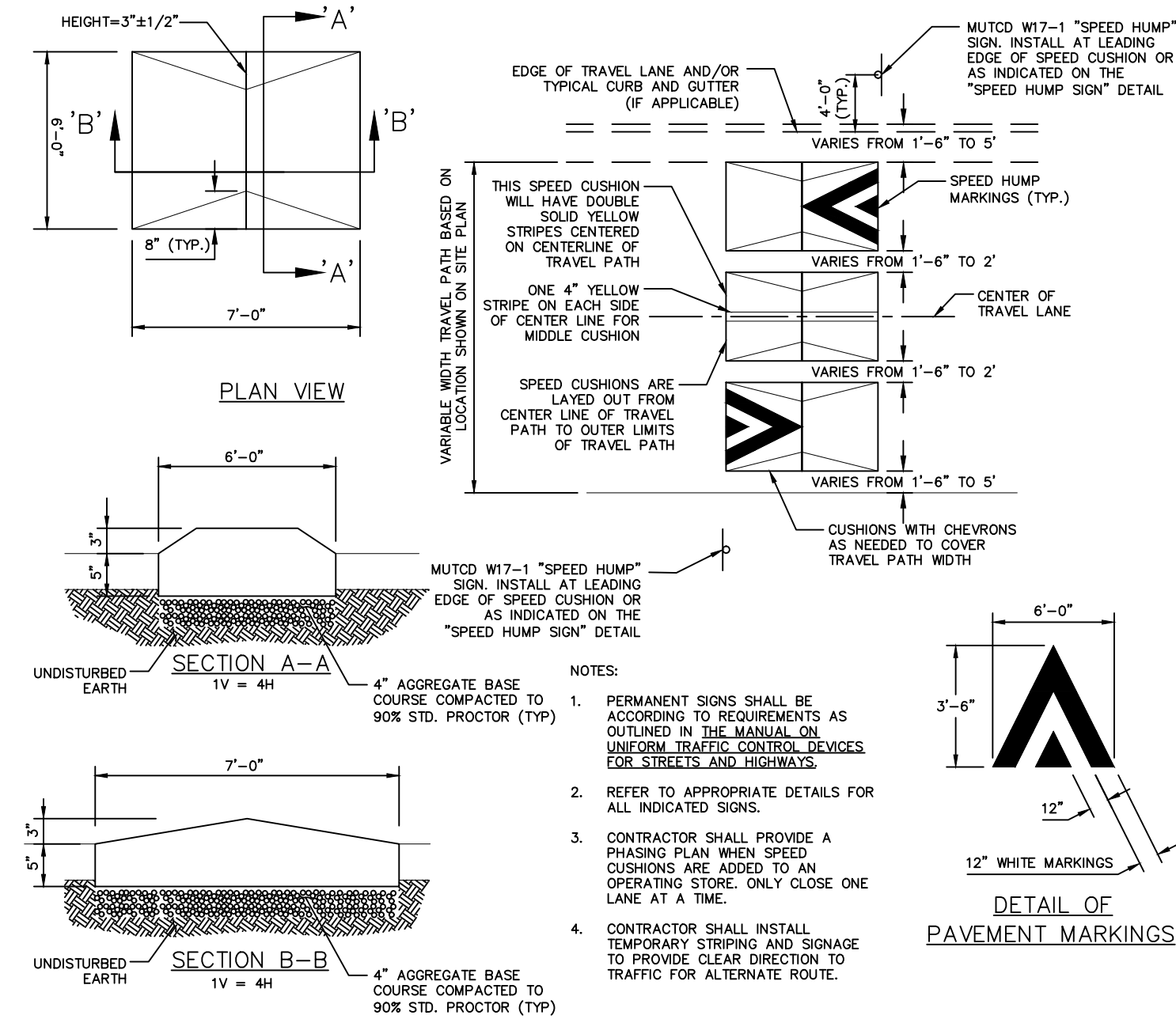
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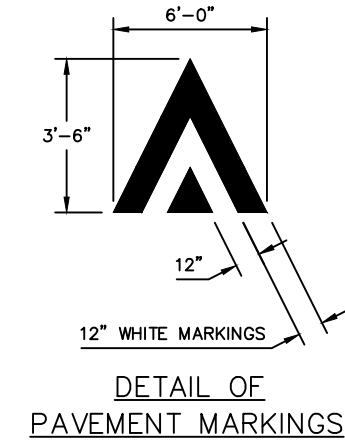
- ① 4" PEDESTRIAN CONCRETE PAVEMENT PER DETAIL '2/C-100'.
- ② 12" MINIMUM SUBGRADE COMPACTED @ 95% RELATIVE DENSITY
- ③ THICKENED EDGE LOCATED AT ALL SIDES AND ENDS (TYP)



- ① 6" X 6" NATURAL GREY CONCRETE MOW CURB, TYPICAL. PROVIDE WITH 1" DEEP TOOLED SCORE JOINTS @ 30" O.C. AND ALTERNATING COLD JOINTS AND EXPANSION JOINTS @ 20FT O.C.
- ② PROVIDE W/ SMOOTH TROWEL FINISH ON ALL EXPOSED SURFACES, TYPICAL.
- ③ 1/2" RADIUS, TYPICAL ALL EXPOSED EDGES.
- ④ REINFORCE WITH #4 CONT. BAR - CENTERED, TYP.
- ⑤ DECOMPOSED GRANITE PAVING
- ⑥ COMPACTED SUBGRADE @ 95% RELATIVE DENSITY
- ⑦ ASPHALT PAVING



- NOTES:
- PERMANENT SIGNS SHALL BE ACCORDING TO REQUIREMENTS AS OUTLINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS
 - REFER TO APPROPRIATE DETAILS FOR ALL INDICATED SIGNS.
 - CONTRACTOR SHALL PROVIDE A PAVING PLAN WHEN SPEED CUSHIONS ARE ADDED TO AN OPERATING STORE. ONLY CLOSE ONE LANE AT A TIME.
 - CONTRACTOR SHALL INSTALL TEMPORARY STRIPING AND SIGNAGE TO PROVIDE CLEAR DIRECTION TO TRAFFIC FOR ALTERNATE ROUTE.



19 EDGE OF PEDESTRIAN CONCRETE PAVING AT EXISTING GROUND n.t.s

20 EDGE OF ASPHALT PAVEMENT AT DECOMPOSED GRANITE PAVING n.t.s

21 CONCRETE TRAFFIC CALMING SPEED CUSHION n.t.s



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C-102

Geotechnical Engineering Report
Kabian Park Restroom Building | Perris, California
May 28, 2024 | Terracon Project No. CB245065



Subgrade Preparation

The proposed structures should be supported by shallow foundation system bearing on engineered fill. Engineered fill should extend to a minimum depth of 1 foot below the bottom of foundations, 2 feet below existing site grade, whichever is greater. Grading for the proposed structures should incorporate the limits of the structure plus a lateral distance of 1 foot beyond the outside edge of perimeter footings.

Subgrade soils beneath exterior slabs should be scarified, moisture conditioned, and compacted to a minimum depth of 10 inches. The moisture content and compaction of subgrade soils should be maintained until slab construction.

Exposed areas which will receive fill, once properly cleared and benched where necessary, should be scarified to a minimum depth of 10 inches, moisture conditioned, and compacted per the compaction requirements in this report.

Based upon the subsurface conditions observed from the geotechnical exploration, subgrade soils exposed during construction are anticipated to be relatively workable. However, the workability of the subgrade may be affected by precipitation, repetitive construction traffic or other factors. If unworkable conditions develop, workability may be improved by scarifying and drying.

Excavation

Excavation penetrating the bedrock and very dense soils may require the use of specialized heavy-duty equipment, together with drilling and blasting to facilitate rock break-up and removal. Consideration should be given to obtaining a unit price for difficult excavation in the contract documents for the project.

The bottom of excavations should be thoroughly cleaned of loose soils and disturbed materials prior to backfill placement and/or construction.

Individual contractors are responsible for designing and constructing stable, temporary excavations. Excavations should be sloped or shored in the interest of safety following local, and federal regulations, including current OSHA excavation and trench safety standards.

Fill Material Types

All fill materials should be inorganic soils free of vegetation, debris, and fragments larger than 3 inches in size. Pea gravel or other similar non-cementitious, poorly-graded materials should not be used as fill or backfill without the prior approval of the geotechnical engineer.

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NOTE: RECOMMENDATIONS ABOVE ARE PER GEOTECHNICAL REPORT BY TERRACON, DATED MAY 28, 2024.

22 GEOTECH RECOMMENDATIONS

Geotechnical Engineering Report
Kabian Park Restroom Building | Perris, California
May 28, 2024 | Terracon Project No. CB245065



Clean on-site soils or approved imported materials may be used as fill material for the following:

- general site grading
- exterior slab areas
- foundation areas
- foundation backfill

Imported Fill Materials: Imported fill materials should meet the following material property requirements. Regardless of its source, compacted fill should consist of approved materials that are free of organic matter and debris.

Gradation	Percent Finer by Weight (ASTM C 136)	
	Minimum	Maximum
3"	100	
No. 4 Sieve	50-100	
No. 200 Sieve	10-40	
Liquid Limit	30 (max)	
Plasticity Index	15 (max)	
Maximum expansion Index*	20 (max)	

*ASTM D 4829

The contractor shall notify the Geotechnical Engineer of import sources sufficiently ahead of their use so that the sources can be observed and approved as to the physical characteristic of the import material. For all import material, the contractor shall also submit current verified reports from a recognized analytical laboratory indicating that the import has a "not applicable" (Class 50) potential for sulfate attack based upon current ACI criteria and is "mildly corrosive" to ferrous metal and copper. The reports shall be accompanied by a written statement from the contractor that the laboratory test results are representative of all import material that will be brought to the job.

Engineered fill should be placed and compacted in horizontal lifts, using equipment and procedures that will produce recommended moisture contents and densities throughout the lift. Fill lifts should not exceed 10 inches loose thickness.

Fill Placement and Compaction Requirements

Engineered fill should meet the following compaction requirements.

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Geotechnical Engineering Report
Kabian Park Restroom Building | Perris, California
May 28, 2024 | Terracon Project No. CB245065



Material Type and Location	Per the Modified Proctor Test (ASTM D 1557)		
	Minimum Compaction Requirement (%)	Range of Moisture Contents for Compaction Above Optimum	
		Minimum	Maximum
On-site soils or imported low volume change imported fill			
Beneath foundations:	90	-1%	+3%
Beneath interior slabs:	90	-1%	+3%
Miscellaneous backfill:	90	-1%	+3%
Utility trenches: 1	90	-1%	+3%
Bottom of excavation receiving fill:	90	-1%	+3%
Aggregate base (beneath floor slabs)	95	-1%	+3%

1. Upper 12 inches should be compacted to 95% within structural areas.

Utility Trench Backfill

It is anticipated that the on-site soils and fill materials will provide suitable support for underground utilities and piping that may be installed. Any soft and/or unsuitable material encountered at the bottom of excavations should be removed and be replaced with an adequate bedding material. A non-expansive granular material with a sand equivalent greater than 30 should be used for bedding and shading of utilities, unless allowed or specified otherwise by the utility manufacturer.

On-site materials are considered suitable for backfill of utility and pipe trenches from one foot above the top of the pipe to the final ground surface, provided the material is free of organic matter and deleterious substances. Imported low volume change soils should be used for trench backfill in structural areas.

Trench backfill should be mechanically placed and compacted as discussed earlier in this report. Compaction of initial lifts should be accomplished with hand-operated tampers or other lightweight compactors. Where trenches are placed beneath slabs or footings, the backfill should satisfy the gradation and expansion index requirements of engineered fill discussed in this report. Flooding or jetting for placement and compaction of backfill is not recommended.

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Geotechnical Engineering Report
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Exterior Slab Design and Construction

Exterior slabs-on-grade, exterior architectural features, and utilities founded on, or in backfill may experience some movement due to the volume change of the backfill. To reduce the potential for damage caused by movement, we recommend:

- minimizing moisture increases in the backfill;
- controlling moisture-density during placement of backfill;
- using designs which allow vertical movement between the exterior features and adjoining structural elements;
- placing effective control joints on relatively close centers.

Grading and Drainage

All grades must provide effective drainage away from the building during and after construction and should be maintained throughout the life of the structure. Water retained next to the building can result in soil movements greater than those discussed in this report. Greater movements can result in unacceptable differential floor slab and/or foundation movements, cracked slabs and walls, and roof leaks. The roof should have gutters/drains with downspouts that discharge onto splash blocks at a distance of at least 10 feet from the building.

Exposed ground should be sloped and maintained at a minimum 5% away from the building for at least 10 feet beyond the perimeter of the building. Locally, flatter grades may be necessary to transition ADA access requirements for flatwork. After building construction and landscaping has been completed, final grades should be verified to document effective drainage has been achieved. Grades around the structure should also be periodically inspected and adjusted, as necessary, as part of the structure's maintenance program. Where paving or flatwork abuts the structure, a maintenance program should be established to effectively seal and maintain joints and prevent surface water infiltration.

Trees or other vegetation whose root systems have the ability to remove excessive moisture from the subgrade and foundation soils should not be planted next to the structure. Trees and shrubbery should be kept away from the exterior of the structure a distance at least equal to their expected mature height.

Earthwork Construction Considerations

Upon completion of filling and grading, care should be taken to maintain the subgrade water content prior to construction of grade-supported improvements such as floor slabs. Construction traffic over the completed subgrades should be avoided. The site should also be graded to prevent ponding of surface water on the prepared subgrades or in

Facilities | Environmental | Geotechnical | Materials 10

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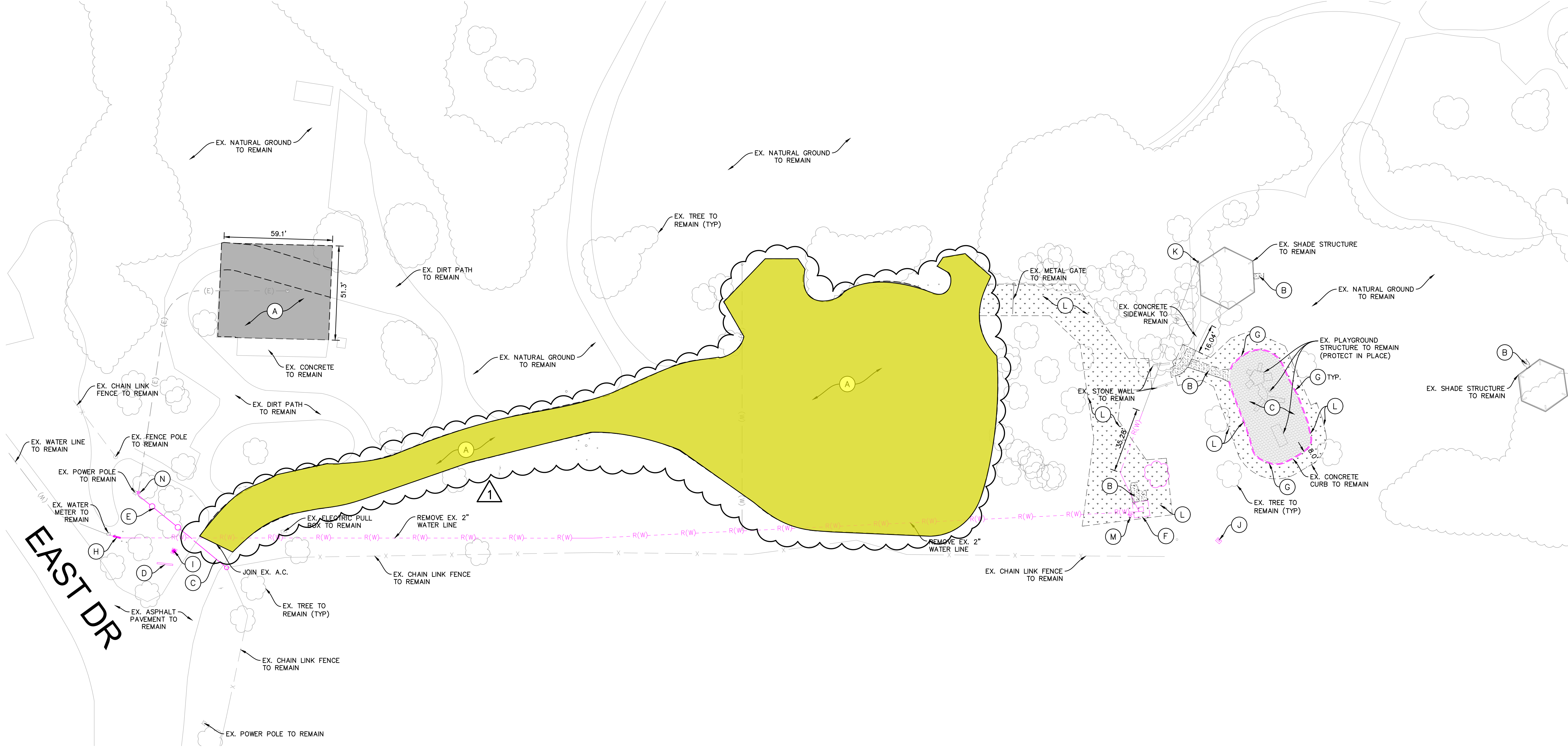
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SHEET
DEMOLITION PLAN

SHEET NUMBER

C-200

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DEMOLITION KEYNOTES:

NOT ALL KEYNOTES ARE USED AS NOTED ON THIS SHEET

A	CONTRACTOR SHALL GRADE THE SHADED AREA PER PROPOSED ELEVATIONS PROVIDED ON GRADING PLAN. REMOVE AND DISPOSE SOIL AS NEEDED TO ACHIEVE PROPOSED ELEVATIONS FOR PROPOSED DECOMPOSED GRANITE PAVING SHOWN ON C-300.	F	REMOVE AND DISPOSE EXISTING RESTROOM BUILDING WITH ASSOCIATED FOUNDATION. CAP AND REMOVE EXISTING UTILITIES WITHIN THE BUILDING FOOTPRINT
B	REMOVE AND DISPOSE EXISTING CONCRETE SIDEWALK	G	REMOVE AND DISPOSE EXISTING CONCRETE CURB
C	REMOVE EXISTING WOOD CHIP PLAYGROUND SURFACE	H	REMOVE AND DISPOSE EXISTING 2" WATER BACKFLOW PREVENTER
D	REMOVE AND DISPOSE EXISTING ENTRANCE GATE & FOOTING	I	REMOVE AND DISPOSE EXISTING FLAG POLE & FOOTING
E	REMOVE AND DISPOSE EXISTING WOOD FENCE & FOOTING	J	REMOVE AND DISPOSE EXISTING ELECTRIC RISER & ASSOCIATED WIRING
F	REMOVE AND DISPOSE EXISTING RESTROOM BUILDING WITH ASSOCIATED FOUNDATION. CAP AND REMOVE EXISTING UTILITIES WITHIN THE BUILDING FOOTPRINT	K	REMOVE AND DISPOSE EXISTING WATER HOSE BIB
G	REMOVE AND DISPOSE EXISTING CONCRETE CURB	L	REMOVE AND DISPOSE EXISTING LANDSCAPE AND NATURAL GROUND
		M	REMOVE EXISTING SEWER CLEANOUT
		N	REMOVE AND DISPOSE EXISTING POLE MOUNTED 125A, 120/240V, 3 WIRE, 1 PHASE MAIN ELECTRICAL PANEL AND UTILITY METER ENCLOSURE.

NOTES:

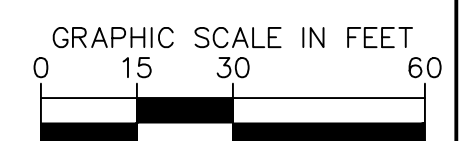
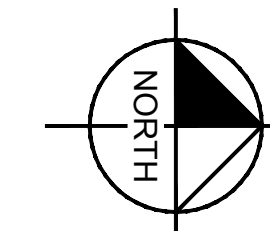
- UNLESS NOTED OTHERWISE, ALL THE MOVABLE ITEMS THAT ARE CURRENTLY LOCATED WITHIN THE WORK AREA NEED TO BE SALVAGED AND STORED DURING THE DEMOLITION AND CONSTRUCTION, AND PLACED BACK AT THE DIRECTION OF THE DISTRICT REPRESENTATIVE AFTER THE WORK IS COMPLETED.
- CONTRACTOR SHALL ENSURE EXISTING IRRIGATION THAT FEEDS LANDSCAPE AREAS ADJACENT THE PROJECT WORK AREA REMAINS FULLY OPERATIONAL THROUGHOUT DURATION OF THE PROJECT. WHEN REQUIRED TO INTERRUPT EXISTING IRRIGATION OPERATIONS, CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY WATER TO MAINTAIN ALL EXISTING ADJACENT LANDSCAPE AREAS IN HEALTHY CONDITION UNTIL IRRIGATION SYSTEM IS RESTORED.
- UNLESS NOTED OTHERWISE, SAWCUT, REMOVE & DISPOSE EXISTING IMPROVEMENTS AS NOTED ABOVE; SALVAGE AND RE-USE OF RECENTLY INSTALLED TUBULAR STEEL FENCE, AND CHAINLINK FENCE MATERIALS IS AT FULL DISCRETION OF THE CONTRACTOR.
- EXISTING IRRIGATION TO REMOVE SHALL INCLUDE HEADS, LATERALS, VALVES, MAINLINES AND WIRING TO BE SALVAGED AND USED TO CONNECT NEW ANY IRRIGATION VALVES TO EXISTING CONTROLLER. SEE IRRIGATION PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING PLANT MATERIAL, INCLUDING TURF, WHICH IS IMPACTED BY THE PROPOSED PROJECT CONSTRUCTION. EXISTING PLANT MATERIAL TO REMAIN SHALL BE ADJUSTED, RELOCATED, SALVAGED/REINSTALLED AND/OR NEWLY FURNISHED AND INSTALLED IN LIKE SIZE AND KIND AS NEAR ITS ORIGINAL LOCATION AS POSSIBLE. NEW LOCATION(S) OF IMPACTED PLANT MATERIAL MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. CONTRACTOR SHALL ENSURE THAT ANY ADJACENT LANDSCAPING OR PLANT MATERIAL IMPACTED BY THESE IMPROVEMENTS IS HEALTHY, DISEASE-FREE AND SHALL PROVIDE A WARRANTY THAT GUARANTEES ALL PLANT MATERIAL REPLACED AND/OR IMPACTED FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF THE CONTRACT.
- THE CONTRACTOR SHALL ADJUST, RELOCATE, SALVAGE, REINSTALL AND/OR FURNISH AND INSTALL NEW IRRIGATION COMPONENTS IN LIKE KIND FOR ANY ADJACENT EXISTING IRRIGATION SYSTEM(S) IMPACTED BY THESE IMPROVEMENTS AND ENSURE THAT THEY ARE IN FULL WORKING ORDER PRIOR TO PROJECT COMPLETION. ANY IRRIGATION THAT IS REMOVED DURING THE CONSTRUCTION PROCESS SHALL BE CAPPED IN A MANNER THAT THE REMAINING PORTIONS OF THE SYSTEM ARE NOT COMPROMISED. EXISTING IRRIGATION LATERAL LINES, HEADS, WIRING AND ALL OTHER ASSOCIATED EQUIPMENT IMPACTED BY THE PROJECT CONSTRUCTION SHALL BE CAREFULLY CUT, CAPPED AND RELOCATED TO EXISTING LANDSCAPE AREAS. PRIOR TO COMPLETION, CONTRACTOR SHALL ENSURE THAT ALL EXISTING IRRIGATION SYSTEMS IMPACTED ARE IN FULL WORKING ORDER WITH COMPLETE HEAD TO HEAD COVERAGE INCLUDING NO OVERSPRAY ONTO HARDSCAPE SURFACES OR WALLS. ANY IRRIGATION EQUIPMENT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN LIKE KIND. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY IRRIGATION TO ANY AREA AFFECTED BY THE PROPOSED IMPROVEMENTS UNTIL COMPLETION OF CONSTRUCTION.

LEGEND:

SYMBOL	DESCRIPTION
--- (SD) ---	EXISTING STORM DRAIN LINE TO BE PROTECTED
--- (S) ---	EXISTING SANITARY SEWER LINE TO BE PROTECTED
--- (TEL) ---	EXISTING TELEPHONE LINE TO BE PROTECTED
--- (E) ---	EXISTING ELECTRICAL LINE TO BE PROTECTED
--- (W) ---	EXISTING DOMESTIC WATER LINE TO BE PROTECTED
--- (G) ---	EXISTING GAS LINE TO BE PROTECTED
--- (F) ---	EXISTING FIRE WATER LINE TO BE PROTECTED
--- X ---	EXISTING CHAIN LINK FENCE TO BE PROTECTED
--- R(W) ---	DOMESTIC WATER LINE TO BE REMOVED
--- W ---	WOOD FENCE TO BE REMOVED
--- T ---	EXISTING TREE TO BE REMOVED

EXISTING UTILITY NOTES:

- ALL EXISTING UTILITY INFORMATION IS APPROXIMATE, AND IS BASED ON RECORD PROVIDED BY LAUSD.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING INFORMATION BEFORE CONSTRUCTION.



BID ALTERNATE:

ALL WORK ASSOCIATED WITH THE GRADING, DECOMPOSED GRANITE PAVING, AND EROSION CONTROL OF THE PARK ENTRY WAY, DRIVE AISLE, AND PARKING LOT WILL BE A BID ALTERNATE. CONTRACTOR SHALL PROVIDE A SEPARATE COST LINE ITEM FOR THIS ALTERNATE BID.

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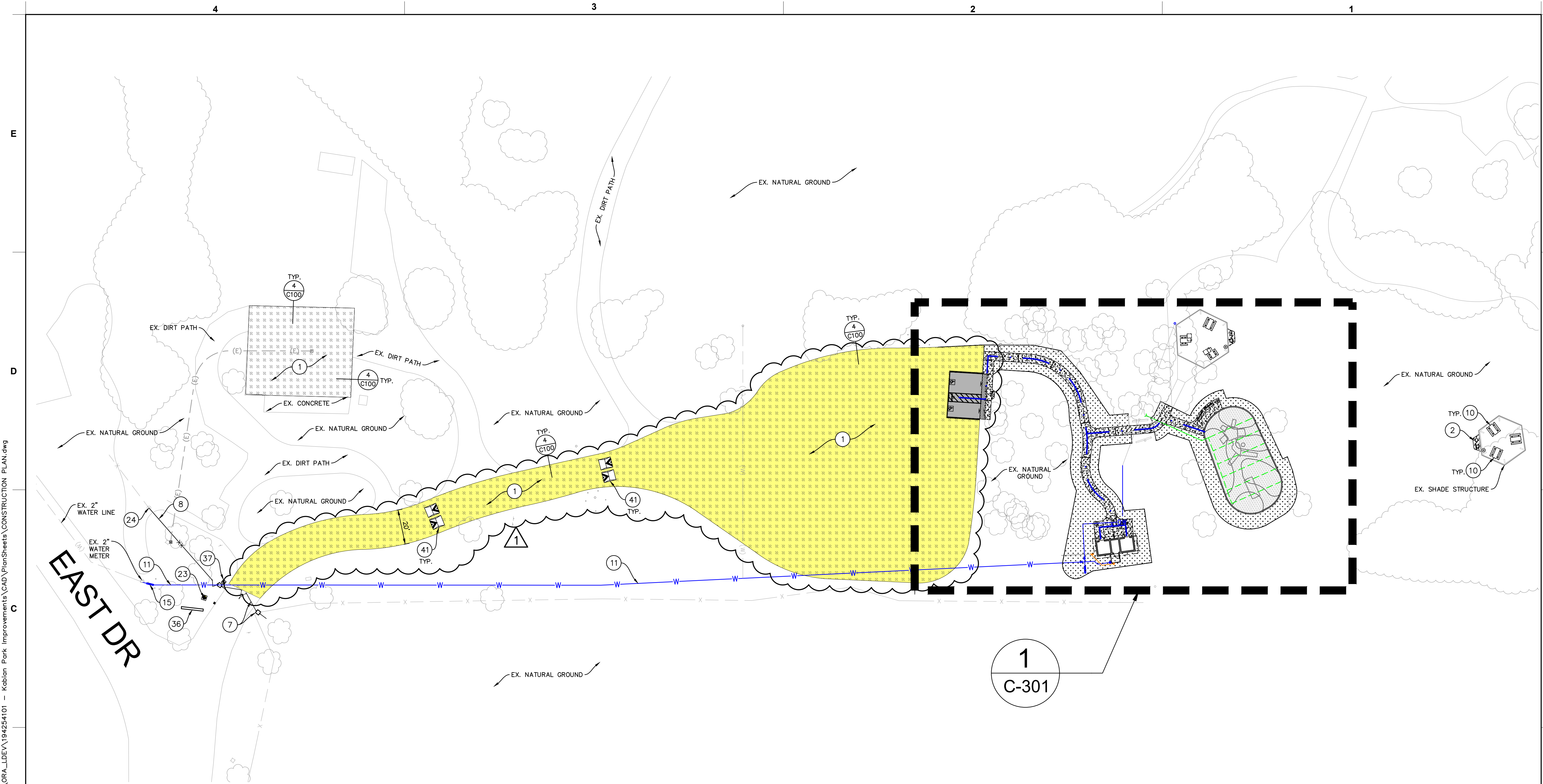
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SHEET
CONSTRUCTION PLAN

SHEET NUMBER

C-300



CONSTRUCTION KEYNOTES (FURNISH & INSTALL): (NOT ALL KEYNOTES ARE USED ON THIS SHEET)

1	2" DECOMPOSED GRANITE PAVING OVER 12" SUBGRADE COMPACTED @ 95% RELATIVE DENSITY	3	NEW 3" SCHEDULE 80 PVC WATER PIPE. REPLACE AT EXISTING WATER PIPE LOCATION.	11	NEW 8" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.	19	NEW 4" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.
2	PEDESTRIAN CONCRETE PAVEMENT	4	NEW 2" SCHEDULE 80 PVC WATER PIPE	12	NEW 8" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS OR APPROVED EQUAL.	20	NEW LANDSCAPE. CONTRACTOR SHALL REPLACE EXISTING LANDSCAPE IN-WIND AFTER GRADING IS COMPLETED PER SHEET C-401
3	ASPHALT CONCRETE PAVEMENT. ACCESSIBLE PARKING STALLS SHALL BE MAX 2% SLOPE IN ALL DIRECTIONS	5	NEW 3" X 3" X 2" PVC TEE	13	NEW 8" HDPE ADS FLARE END SECTION. REFER TO GRADING PLAN FOR INVERT ELEVATIONS.	21	CONNECT TO WATER P.O.C. FOR NEW RESTROOM BUILDING. CONTRACTOR SHALL INSTALL ALL NECESSARY FURNISHINGS AND MATERIALS FOR NEW PIPE. REFER TO PLUMBING PLAN FOR CONTINUATION.
4	RUBBERIZED PLAYGROUND SURFACE (REFER TO LANDSCAPE PLANS)	6	NEW 2" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY	14	NEW FLAG POLE (REFER TO LANDSCAPE PLANS)	22	CONNECT TO SEWER P.O.C. FOR NEW RESTROOM BUILDING. CONTRACTOR SHALL INSTALL ALL NECESSARY FURNISHINGS AND MATERIALS FOR NEW PIPE. REFER TO PLUMBING PLAN FOR CONTINUATION.
5	WOOD CHIP PLAYGROUND SURFACE (REFER TO LANDSCAPE PLANS)	7	NEW 3" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY	15	WELD AND CONNECT EXISTING FENCE TO NEW STEEL POST	23	NEW SEWER CLEANOUT
6	NEW TRUNCATED DOMES	8	NEW ACCESSIBLE 90° PARKING STRIPING	16	NEW 3" WATER GATE VALVE	24	NEW 4" PVC SCHEDULE 80 SEWER PIPE PER ASTM D-3034
7	NEW MOTORIZED ENTRANCE GATE WITH KEY PAD (REFER TO LANDSCAPE AND ELECTRICAL PLANS)	9	NEW ACCESSIBLE PARKING SIGN	17	NEW 2" WATER GATE VALVE	25	NEW 8" TO 12" HDPE REDUCER
8	NEW FENCE (REFER TO LANDSCAPE PLANS)	10	NEW 6" CONCRETE MOW CURB	18	NEW 7" CONCRETE TRAFFIC CALMING SPEED CUSHION	26	NEW ENTRANCE SIGN (REFER TO LANDSCAPE PLANS)
9	NEW RESTROOM BUILDING (DEFERRED SUBMITTAL)	11	NEW 4" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.	19	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	27	NEW GATE MOTOR (REFER TO ELECTRICAL PLANS)
10	NEW SITE FURNISHING (REFER TO LANDSCAPE PLANS FOR TYPE)	20	NEW 8" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.	21	NEW WATER HOSE BIB	28	JOIN TO EXISTING WATER LINE
		21	NEW 2" SCHEDULE 80 PVC WATER PIPE	22		29	NEW VAN ACCESSIBLE PARKING SIGN
		22	NEW 3" X 3" X 2" PVC TEE	23		30	CONTRACTOR SHALL POTHOLE AND FIELD VERIFY SIZE, DEPTH, MATERIAL, AND EXACT LOCATION OF EXISTING SEWER PIPE PRIOR TO MAKING THE CONNECTION
		23	NEW 2" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY	24		31	NEW 7" CONCRETE TRAFFIC CALMING SPEED CUSHION
		24	NEW 3" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY	25		32	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)
		25	NEW ACCESSIBLE 90° PARKING STRIPING	26		33	
		26	NEW ACCESSIBLE PARKING SIGN	27		34	
		27	NEW 6" CONCRETE MOW CURB	28		35	
		28	NEW 4" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.	29		36	
		29	NEW 8" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.	30		37	
		30	NEW 2" SCHEDULE 80 PVC WATER PIPE	31		38	
		31	NEW 3" X 3" X 2" PVC TEE	32		39	
		32	NEW 2" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY	33		40	
		33	NEW 3" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY	34		41	
		34	NEW ACCESSIBLE 90° PARKING STRIPING	35		42	
		35	NEW ACCESSIBLE PARKING SIGN	36			
		36	NEW 6" CONCRETE MOW CURB	37			
		37	NEW 4" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.	38			
		38	NEW 8" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.	39			
		39	NEW 2" SCHEDULE 80 PVC WATER PIPE	40			
		40	NEW 3" X 3" X 2" PVC TEE	41			
		41	NEW 2" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY	42			
		42	NEW 3" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY				
		43	NEW ACCESSIBLE 90° PARKING STRIPING				
		44	NEW ACCESSIBLE PARKING SIGN				
		45	NEW 6" CONCRETE MOW CURB				
		46	NEW 4" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.				
		47	NEW 8" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.				
		48	NEW 2" SCHEDULE 80 PVC WATER PIPE				
		49	NEW 3" X 3" X 2" PVC TEE				
		50	NEW 2" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY				
		51	NEW 3" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY				
		52	NEW ACCESSIBLE 90° PARKING STRIPING				
		53	NEW ACCESSIBLE PARKING SIGN				
		54	NEW 6" CONCRETE MOW CURB				
		55	NEW 4" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.				
		56	NEW 8" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.				
		57	NEW 2" SCHEDULE 80 PVC WATER PIPE				
		58	NEW 3" X 3" X 2" PVC TEE				
		59	NEW 2" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY				
		60	NEW 3" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY				
		61	NEW ACCESSIBLE 90° PARKING STRIPING				
		62	NEW ACCESSIBLE PARKING SIGN				
		63	NEW 6" CONCRETE MOW CURB				
		64	NEW 4" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.				
		65	NEW 8" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.				
		66	NEW 2" SCHEDULE 80 PVC WATER PIPE				
		67	NEW 3" X 3" X 2" PVC TEE				
		68	NEW 2" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY				
		69	NEW 3" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY				
		70	NEW ACCESSIBLE 90° PARKING STRIPING				
		71	NEW ACCESSIBLE PARKING SIGN				
		72	NEW 6" CONCRETE MOW CURB				
		73	NEW 4" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.				
		74	NEW 8" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.				
		75	NEW 2" SCHEDULE 80 PVC WATER PIPE				
		76	NEW 3" X 3" X 2" PVC TEE				
		77	NEW 2" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY				
		78	NEW 3" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY				
		79	NEW ACCESSIBLE 90° PARKING STRIPING				
		80	NEW ACCESSIBLE PARKING SIGN				
		81	NEW 6" CONCRETE MOW CURB				
		82	NEW 4" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.				
		83	NEW 8" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.				
		84	NEW 2" SCHEDULE 80 PVC WATER PIPE				
		85	NEW 3" X 3" X 2" PVC TEE				
		86	NEW 2" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY				
		87	NEW 3" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY				
		88	NEW ACCESSIBLE 90° PARKING STRIPING				
		89	NEW ACCESSIBLE PARKING SIGN				
		90	NEW 6" CONCRETE MOW CURB				
		91	NEW 4" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.				
		92	NEW 8" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.				
		93	NEW 2" SCHEDULE 80 PVC WATER PIPE				
		94	NEW 3" X 3" X 2" PVC TEE				
		95	NEW 2" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY				
		96	NEW 3" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY				
		97	NEW ACCESSIBLE 90° PARKING STRIPING				
		98	NEW ACCESSIBLE PARKING SIGN				
		99	NEW 6" CONCRETE MOW CURB				
		100	NEW 4" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.				

BID ALTERNATE:

ALL WORK ASSOCIATED WITH THE GRADING, DECOMPOSED GRANITE PAVING, AND EROSION CONTROL OF THE PARK ENTRY WAY, DRIVE AISLE, AND PARKING LOT WILL BE A BID ALTERNATE. CONTRACTOR SHALL PROVIDE A SEPARATE COST LINE ITEM FOR THIS ALTERNATE BID.

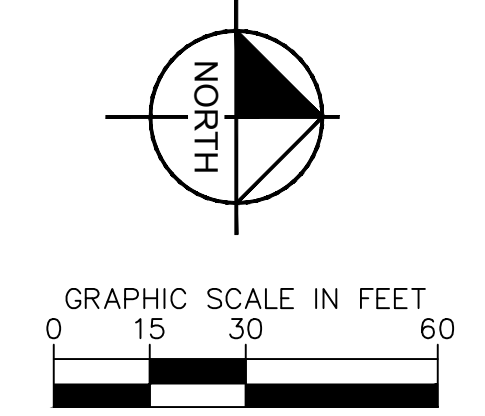
LIMIT OF BID ALTERNATE

LEGEND:

SYMBOL	DESCRIPTION
---	EXISTING SANITARY SEWER LINE
---	EXISTING COMMUNICATIONS LINE
---	EXISTING ELECTRICAL LINE
---	EXISTING DOMESTIC WATER LINE
---	EXISTING GAS LINE
---	EXISTING CHAIN LINK FENCE
---	EXISTING TREE
---	PROPOSED SEWER LINE
---	PROPOSED WATER LINE
---	PROPOSED IRRIGATION LINE
---	PROPOSED STORM DRAIN LINE
---	PROPOSED CHAIN LINK FENCE
---	EXPANSION JOINT, REFER TO DETAIL '7/C-100'
---	CONTROL JOINT, REFER TO DETAIL '6/C-100'

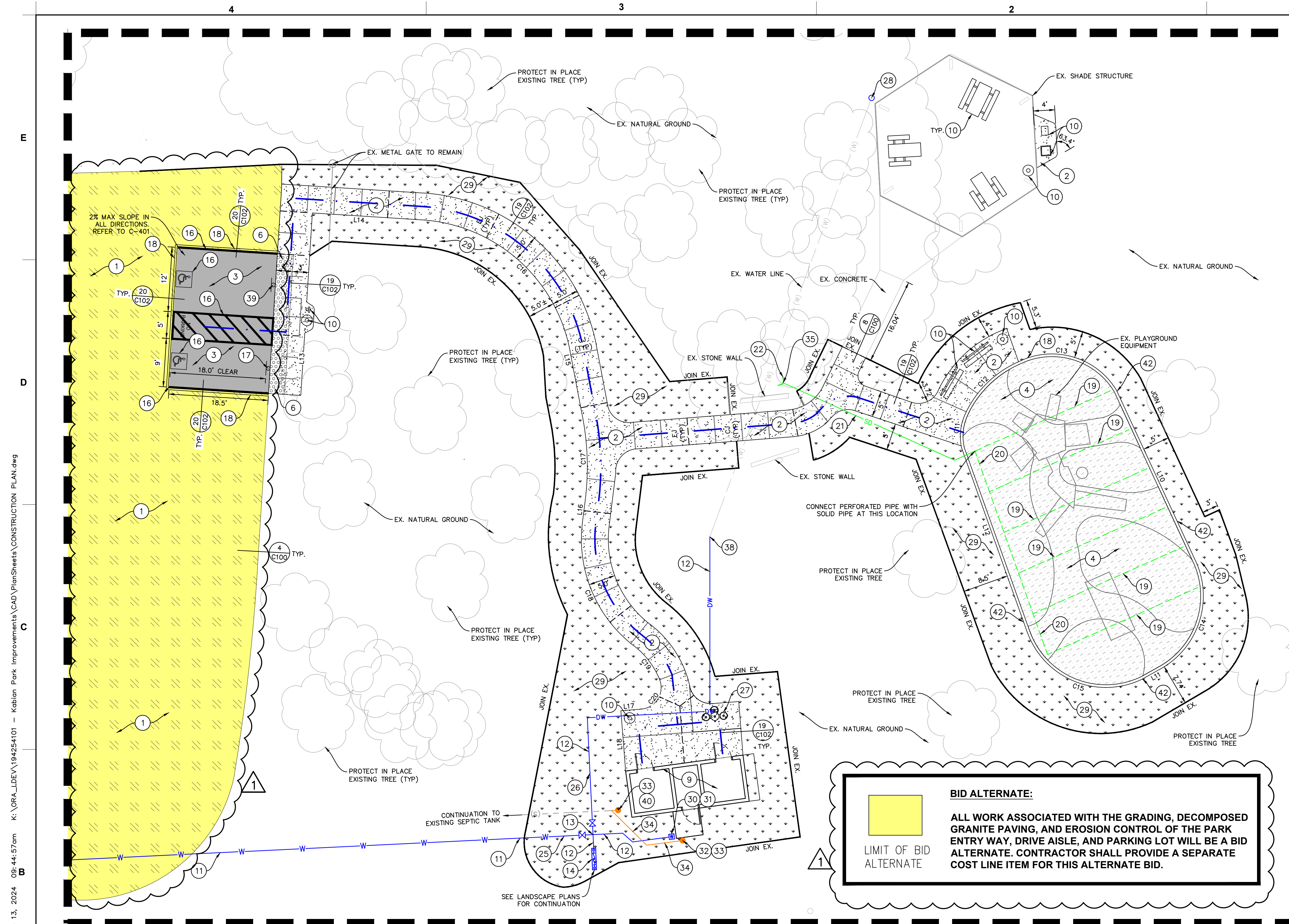
UTILITY NOTES:

- FOR ALL PROPOSED ELECTRICAL WORK, SEE ELECTRICAL PLANS.
- FOR ALL LINES BEING REMOVED TO BE REPLACED, CONTRACTOR SHALL INSTALL SAME SIZE PIPE AND MATERIAL.
- FOR UTILITY TRENCHING, REFER TO DETAIL '13/C-100'



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LEGEND:

SYMBOL	DESCRIPTION
--- (S) ---	EXISTING SANITARY SEWER LINE
--- (COM) ---	EXISTING COMMUNICATIONS LINE
--- (E) ---	EXISTING ELECTRICAL LINE
--- (W) ---	EXISTING DOMESTIC WATER LINE
--- (G) ---	EXISTING GAS LINE
--- X ---	EXISTING CHAIN LINK FENCE
(Tree symbol)	EXISTING TREE
--- S ---	PROPOSED SEWER LINE
--- DW ---	PROPOSED DOMESTIC WATER LINE
--- W ---	PROPOSED WATER LINE
--- IRR ---	PROPOSED IRRIGATION LINE
--- SD ---	PROPOSED STORM DRAIN LINE
--- XX ---	PROPOSED CHAIN LINK FENCE

UTILITY NOTES:

- FOR ALL PROPOSED ELECTRICAL WORK, SEE ELECTRICAL PLANS.
- FOR ALL LINES BEING REMOVED TO BE REPLACED, CONTRACTOR SHALL INSTALL SAME SIZE PIPE AND MATERIAL.
- FOR UTILITY TRENCHING, REFER TO DETAIL '13/C-100'

PATH LINE TABLE

LINE	LENGTH	BEARING
L6	11.88	N79°13'23.23"E
L7	4.36	S82°55'00.24"E
L8	3.79	S4°27'14.58"E
L9	11.26	N85°32'45.42"E

PATH CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	TANGENT
C6	30.00'	39.62'	75°40'02"	23.30'
C7	49.39'	15.98'	18°32'31"	8.06'
C8	25.00'	25.97'	59°30'45"	14.29'
C9	15.00'	7.96'	30°23'34"	4.07'
C10	4.00'	7.51'	107°34'57"	5.46'

CURB LINE TABLE

LINE	LENGTH	BEARING
L1	34.77	N65°10'12.61"E
L2	3.57	S29°06'55.32"E
L3	36.43	S70°23'33.83"W

CURB CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	TANGENT
C1	9.89'	6.86'	39°43'52"	3.57'
C2	19.67'	13.48'	39°15'25"	7.02'
C3	14.03'	21.20'	86°36'49"	13.22'
C4	15.50'	23.41'	86°31'31"	14.59'
C5	15.50'	26.14'	96°36'57"	17.40'

NOTE:
ALL INFORMATION PROVIDED ON THE LINE AND CURVE TABLE APPLIES TO THE FACE OF CURB, EDGE OF WALK, OR WALL, WHICHEVER OCCURS.

BID ALTERNATE:
ALL WORK ASSOCIATED WITH THE GRADING, DECOMPOSED GRANITE PAVING, AND EROSION CONTROL OF THE PARK ENTRY WAY, DRIVE AISLE, AND PARKING LOT WILL BE A BID ALTERNATE. CONTRACTOR SHALL PROVIDE A SEPARATE COST LINE ITEM FOR THIS ALTERNATE BID.

DETAIL 1

CONSTRUCTION KEYNOTES (FURNISH & INSTALL): (NOT ALL KEYNOTES ARE USED ON THIS SHEET)

1	2" DECOMPOSED GRANITE PAVING OVER 12" SUBGRADE COMPACTED @ 95% RELATIVE DENSITY	3	NEW 3" SCHEDULE 80 PVC WATER PIPE. REPLACE AT EXISTING WATER PIPE LOCATION.	11	NEW 8" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.	19	NEW 4" PERFORATED PVC STORM DRAIN PIPE WITH FILTER FABRIC WRAP. IN 1 CUBIC FOOT OF GRAVEL BACKFILL PER LINEAL FOOT OF PIPE. WITH GRAVEL ALSO WRAPPED IN FILTER FABRIC. INSTALL PIPE WITH PERFORATIONS FACING UP.
2	PEDESTRIAN CONCRETE PAVEMENT	4	NEW 2" SCHEDULE 80 PVC WATER PIPE	12	NEW 8" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS OR APPROVED EQUAL	20	NEW LANDSCAPE. CONTRACTOR SHALL REPLACE EXISTING LANDSCAPE IN-KIND AFTER GRADING IS COMPLETED PER SHEET C-401
3	ASPHALT CONCRETE PAVEMENT. ACCESSIBLE PARKING STALLS SHALL BE MAX 2% SLOPE IN ALL DIRECTIONS	5	NEW 3" X 2" X 2" PVC TEE	13	NEW 8" HDPE ADS FLARE END SECTION. REFER TO GRADING PLAN FOR INVERT ELEVATIONS.	21	NEW 2" GATE VALVE AND VALVE BOX
4	RUBBERIZED PLAYGROUND SURFACE (REFER TO LANDSCAPE PLANS)	6	NEW 2" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY	14	NEW 8" HDPE ADS FLARE END SECTION. REFER TO GRADING PLAN FOR INVERT ELEVATIONS.	22	NEW 2" GATE VALVE AND VALVE BOX
5	WOOD CHIP PLAYGROUND SURFACE (REFER TO LANDSCAPE PLANS)	7	NEW 3" WATTS SERIES LF957RPDA-FS REDUCED PRESSURE DETECTOR ASSEMBLY	15	NEW 8" HDPE ADS FLARE END SECTION. REFER TO GRADING PLAN FOR INVERT ELEVATIONS.	23	NEW 2" GATE VALVE AND VALVE BOX
6	NEW TRUNCATED DOMES	8	NEW ACCESSIBLE 90° PARKING STRIPING	16	NEW 8" HDPE ADS FLARE END SECTION. REFER TO GRADING PLAN FOR INVERT ELEVATIONS.	24	WELD AND CONNECT EXISTING FENCE TO NEW STEEL POST
7	NEW MOTORIZED ENTRANCE GATE WITH KEY PAD (REFER TO LANDSCAPE AND ELECTRICAL PLANS)	9	NEW ACCESSIBLE PARKING SIGN	17	NEW 3" WATER GATE VALVE	25	NEW 3" WATER GATE VALVE
8	NEW FENCE (REFER TO LANDSCAPE PLANS)	10	NEW 6" CONCRETE MOW CURB	18	NEW 2" WATER GATE VALVE	26	NEW 2" WATER GATE VALVE
9	NEW RESTROOM BUILDING (DEFERRED SUBMITTAL)	11	NEW ACCESSIBLE PARKING SIGN	19	NEW 4" PVC SDR 35 SEWER PIPE PER ASTM D-3034	27	NEW DRINKING FOUNTAIN (REFER TO LANDSCAPE PLANS)
10	NEW SITE FURNISHING (REFER TO LANDSCAPE PLANS FOR TYPE)	12	NEW 7" CONCRETE TRAFFIC CALMING SPEED CUSHION	20	NEW 8" TO 12" HDPE REDUCER	28	NEW WATER HOSE BIB
		13	CONTRACTOR SHALL POTHOLE AND FIELD VERIFY SIZE, DEPTH, MATERIAL, AND EXACT LOCATION OF EXISTING SEWER PIPE PRIOR TO MAKING THE CONNECTION	21	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		14	NEW 7" CONCRETE TRAFFIC CALMING SPEED CUSHION	22	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		15	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	23	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		16	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	24	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		17	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	25	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		18	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	26	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		19	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	27	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		20	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	28	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		21	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	29	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		22	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	30	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		23	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	31	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		24	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	32	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		25	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	33	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		26	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	34	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		27	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	35	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		28	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	36	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		29	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	37	NEW GATE MOTOR (REFER TO ELECTRICAL PLANS)		
		30	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	38	JOIN TO EXISTING WATER LINE		
		31	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	39	NEW VAN ACCESSIBLE PARKING SIGN		
		32	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	40	CONTRACTOR SHALL POTHOLE AND FIELD VERIFY SIZE, DEPTH, MATERIAL, AND EXACT LOCATION OF EXISTING SEWER PIPE PRIOR TO MAKING THE CONNECTION		
		33	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	41	NEW 7" CONCRETE TRAFFIC CALMING SPEED CUSHION		
		34	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)	42	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)		
		35	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)				
		36	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)				
		37	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)				
		38	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)				
		39	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)				
		40	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)				
		41	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)				
		42	NEW 6" MOW CURB AT PLAYGROUND AREA (REFER TO LANDSCAPE PLAN)				



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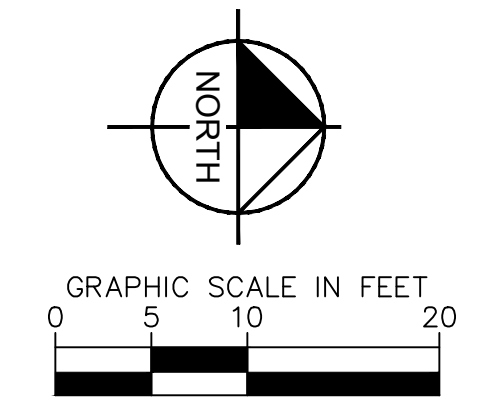
**KABIAN PARK
IMPROVEMENTS
COUNTY OF RIVERSIDE**
28001 GOETZ ROAD
QUAIL VALLEY, CA 92587

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	06/13/2024	FOR BID

100% SUBMITTAL

CONSULTANT PROJECT # 194254101
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DATE 06/13/2024
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SHEET CONSTRUCTION PLAN
SHEET NUMBER



C-301

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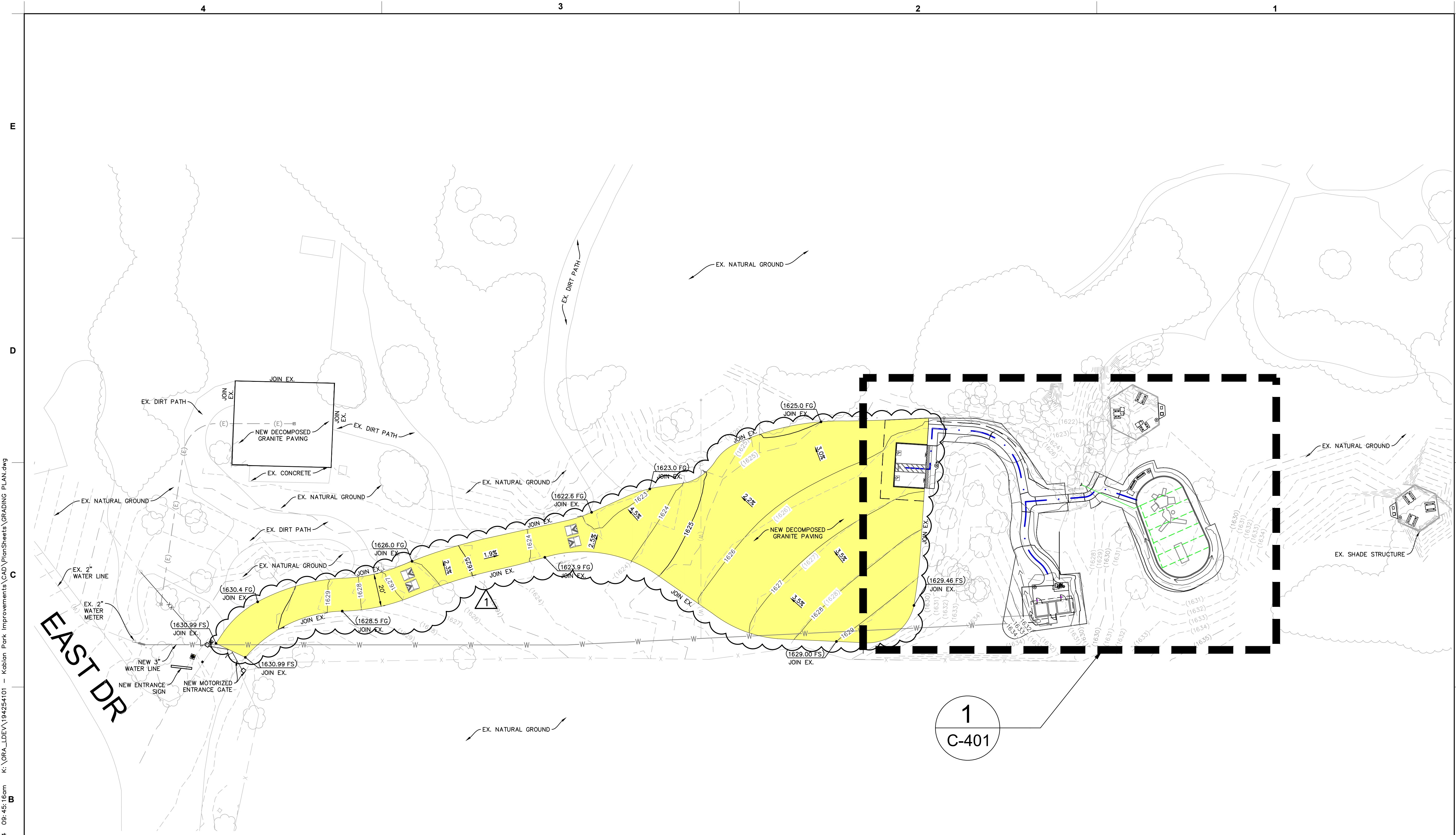
DATE 06/13/2024

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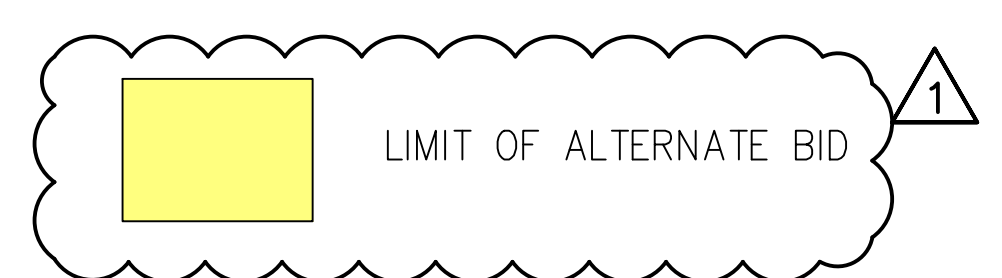
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SHEET
**GRADING & STORM
 DRAIN PLAN**
 SHEET NUMBER

C-400



NOTE FOR BUILDING EXCAVATION:
 REFER TO DETAIL '22/C-102' FOR OVEREXCAVATION, FILL, GRADING, AND TRENCHING REQUIREMENTS AND SPECIFICATIONS.



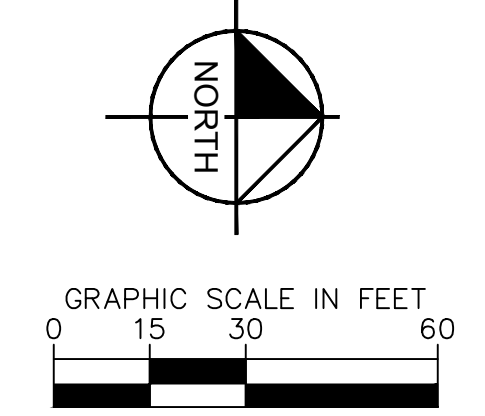
BID ALTERNATE:
 ALL WORK ASSOCIATED WITH THE GRADING, DECOMPOSED GRANITE PAVING, AND EROSION CONTROL OF THE PARK ENTRY WAY, DRIVE AISLE, AND PARKING LOT WILL BE A BID ALTERNATE. CONTRACTOR SHALL PROVIDE A SEPARATE COST LINE ITEM FOR THIS ALTERNATE BID.

- NOTES:**
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING PLANT MATERIAL INCLUDING TURF, WHICH IS IMPACTED BY THE PROPOSED PROJECT CONSTRUCTION. EXISTING PLANT MATERIAL TO REMAIN SHALL BE ADJUSTED, RELOCATED, SALVAGED/REINSTALLED AND/OR NEWLY FURNISHED AND INSTALLED IN LIKE SIZE AND KIND AS NEAR ITS ORIGINAL LOCATION AS POSSIBLE. NEW LOCATION(S) OF IMPACTED PLANT MATERIAL MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. CONTRACTOR SHALL ENSURE THAT ANY ADJACENT LANDSCAPING OR PLANT MATERIAL IMPACTED BY THESE IMPROVEMENTS IS HEALTHY, DISEASE-FREE AND SHALL PROVIDE A WARRANTY THAT GUARANTEES ALL PLANT MATERIAL REPLACED AND/OR IMPACTED FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF THE CONTRACT.
 - THE CONTRACTOR SHALL ADJUST, RELOCATE, SALVAGE, REINSTALL, AND/OR FURNISH AND INSTALL NEW IRRIGATION COMPONENTS IN LIKE KIND FOR ANY ADJACENT EXISTING IRRIGATION SYSTEM(S) IMPACTED BY THESE IMPROVEMENTS AND ENSURE THAT THEY ARE IN FULL WORKING ORDER PRIOR TO PROJECT COMPLETION. ANY IRRIGATION THAT IS REMOVED DURING THE CONSTRUCTION PROCESS SHALL BE CAPPED IN A MANNER THAT THE REMAINING PORTIONS OF THE SYSTEM ARE NOT COMPROMISED. EXISTING IRRIGATION LATERAL LINES, HEADS, WIRING AND ALL OTHER ASSOCIATED EQUIPMENT IMPACTED BY THE PROJECT CONSTRUCTION SHALL BE CAREFULLY CUT, CAPPED AND RELOCATED TO EXISTING LANDSCAPE AREAS. PRIOR TO COMPLETION, CONTRACTOR SHALL ENSURE THAT ALL EXISTING IRRIGATION SYSTEMS IMPACTED ARE IN FULL WORKING ORDER WITH COMPLETE HEAD TO HEAD COVERAGE INCLUDING NO OVERSPRAY ONTO HARDSCAPE SURFACES OR WALLS. ANY IRRIGATION EQUIPMENT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN LIKE KIND. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY IRRIGATION TO ANY AREA AFFECTED BY THE PROPOSED IMPROVEMENTS UNTIL COMPLETION OF CONSTRUCTION.

LEGEND

FS	FINISH SURFACE ELEVATION
TC	TOP OF CURB ELEVATION
EX	EXISTING
XXX.XX	PROPOSED SPOT ELEVATION
(XXX.XX)	EXISTING SPOT ELEVATION
XX.X%	NEW SLOPE
(XX.X)%	EXISTING SLOPE
TYP.	TYPICAL
EG	EDGE OF GUTTER
FL	FLOW-LINE
G.B.	GRADE-BREAK
R.L.	RIDGE-LINE
H.P.	HIGH-POINT
FFE	FINISHED FLOOR ELEVATION
R.L.	RIDGE-LINE

NOTE: ALL PATHS ARE ACCESSIBLE ROUTES
 ADA ACCESSIBLE PATH



Plotted By: Lico, Michael Sheet Set: Kha Layout: C-400 GRADING PLAN June 13, 2024 09:45:16am K:\ORA_DEV\194254101 - Kabian Park Improvements\CAD\PlanSheets\GRADING PLAN.dwg



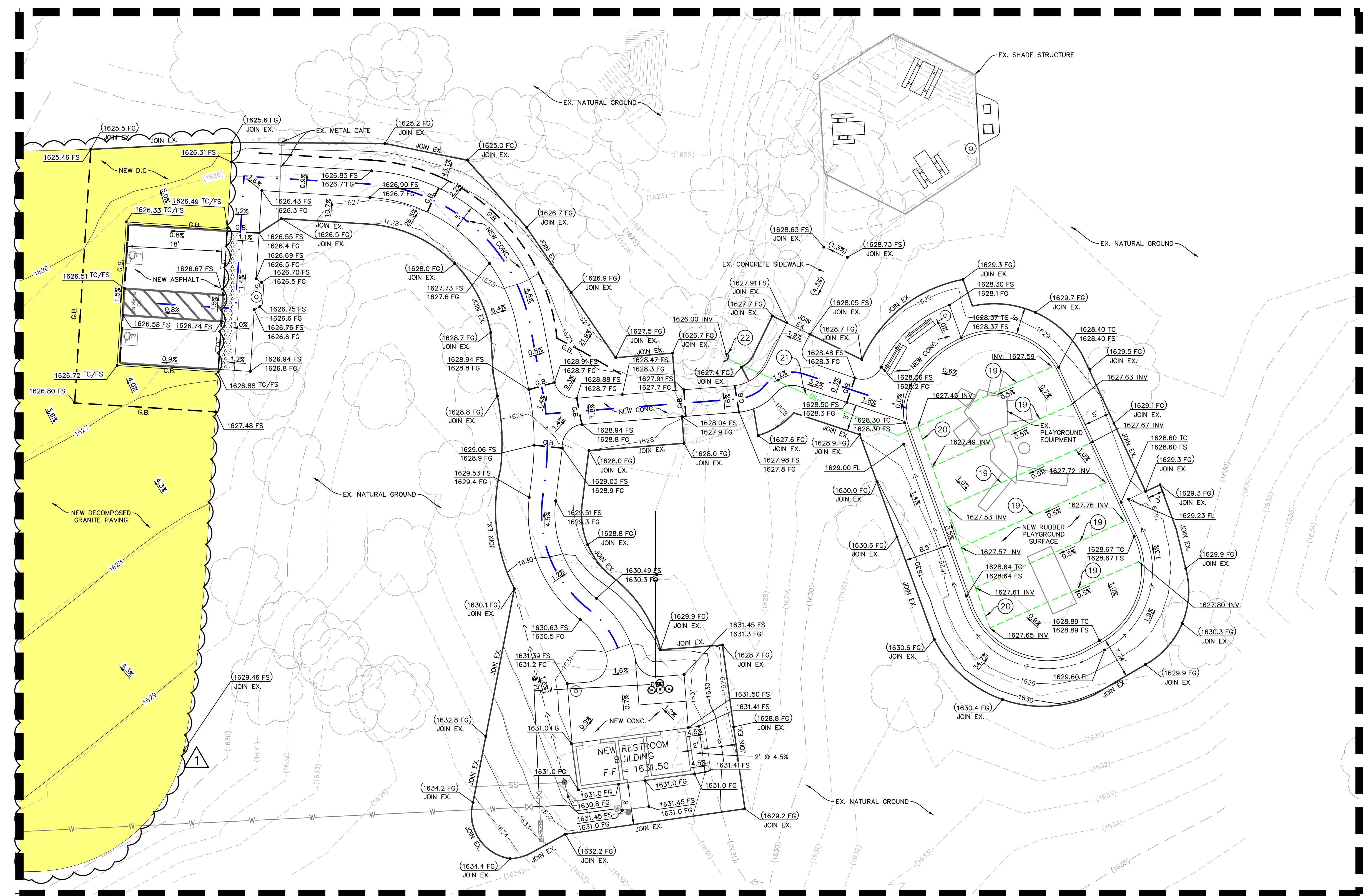


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KABIAN PARK IMPROVEMENTS COUNTY OF RIVERSIDE 28001 GOETZ ROAD QUAIL VALLEY, CA 92587



DETAIL 1

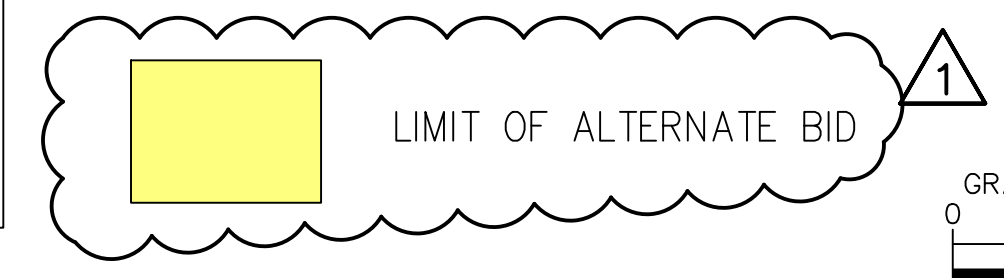
LEGEND table with symbols for FS, TC, EX, etc., and a note: ALL PATHS ARE ACCESSIBLE ROUTES.

- STORM DRAIN KEYNOTES: 19 NEW 4" PERFORATED PVC STORM DRAIN PIPE... 20 NEW 8" PERFORATED PVC STORM DRAIN PIPE... 21 NEW 8" HDPE STORM DRAIN PIPE... 22 NEW 8" HDPE ADS FLARE END SECTION...

NOTE FOR BUILDING EXCAVATION: REFER TO DETAIL '22/C-102' FOR OVEREXCAVATION, FILL, GRADING, AND TRENCHING REQUIREMENTS AND SPECIFICATIONS.

NOTES: 1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING PLANT MATERIAL... 2. THE CONTRACTOR SHALL ADJUST, RELOCATE, SALVAGE, REINSTALL, AND/OR FURNISH AND INSTALL NEW IRRIGATION COMPONENTS...

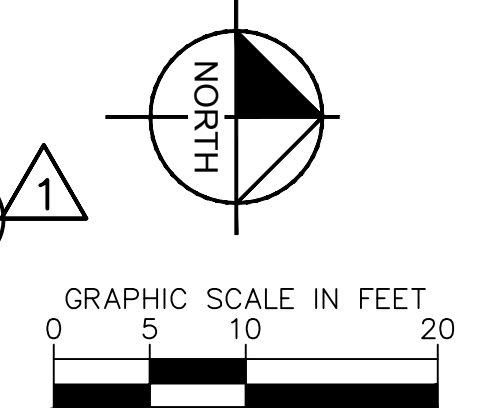
BID ALTERNATE: ALL WORK ASSOCIATED WITH THE GRADING, DECOMPOSED GRANITE PAVING, AND EROSION CONTROL OF THE PARK ENTRY WAY, DRIVE AISLE, AND PARKING LOT WILL BE A BID ALTERNATE. CONTRACTOR SHALL PROVIDE A SEPARATE COST LINE ITEM FOR THIS ALTERNATE BID.



REVISION SCHEDULE table with columns: NO., DATE, DESCRIPTION.

CONSULTANT PROJECT # 194254101, PRINTED FOR, DATE 06/13/2024, DRAWN BY GH/CM

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C-401

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**KABIAN PARK
IMPROVEMENTS
COUNTY OF RIVERSIDE
28001 GOETZ ROAD
QUAIL VALLEY, CA 92587**

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	06/13/2024	FOR BID

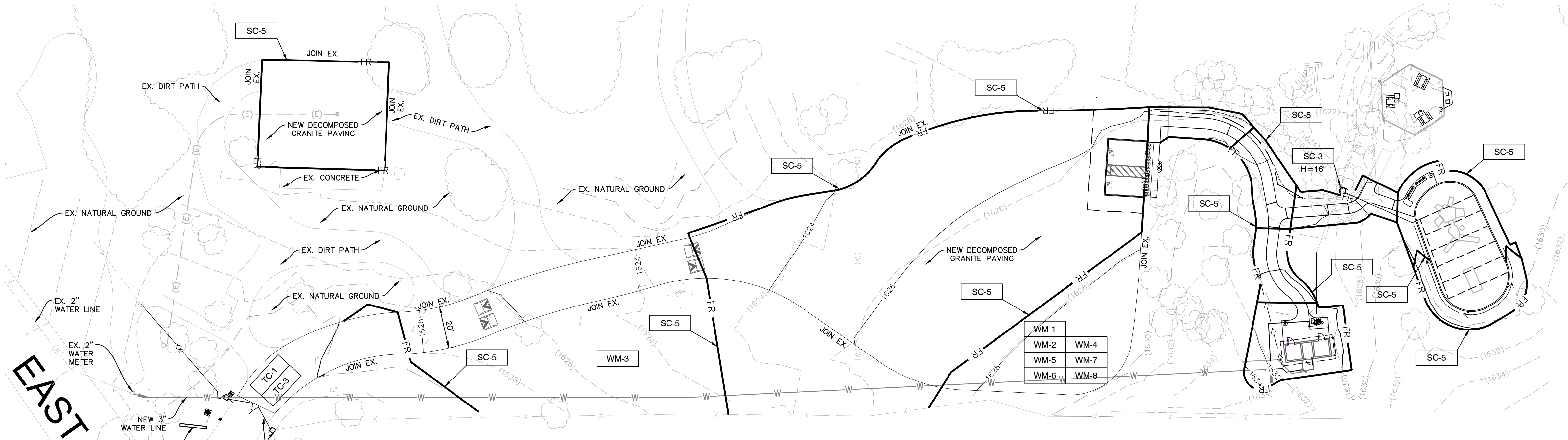
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SHEET
EROSION CONTROL PLAN
SHEET NUMBER

C-500



- LEGEND:**
- FURNISH AND INSTALL SAND BAGS OR GRAVEL BAGS PER DETAILS BELOW.
 - FURNISH AND INSTALL THE BEST MANAGEMENT PRACTICE DEVICE PER THE REFERENCED DETAIL BELOW.
 - FURNISH AND INSTALL FIBER ROLLS PER DETAILS BELOW.

* THIS PLAN FOR EROSION CONTROL PURPOSES ONLY. REFER TO GRADING PLANS FOR ELEVATIONS.

NOTES:

- IN CASE OF AN EMERGENCY, CONTACT OSCAR RICARDO, RIVCO PARKS FACILITIES PROJECT MANAGER, AT (951) 897-3572.
- A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES. NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR ANY DAMAGED EROSION CONTROL MEASURES.
- EROSION CONTROL DEVICES SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE ARCHITECT.
- ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY IN THE PERIOD FROM OCTOBER 15 THROUGH APRIL 15, AND AT ANY OTHER PERIOD WHEN THE WEATHER FORECAST INDICATES A GREATER THAN 50% PROBABILITY OF RAIN. AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS AND DESILTING BASINS. ANY GRADED SLOPE SURFACE PROTECTION MEASURES DAMAGED DURING THE RAINSTORM SHALL ALSO BE REPAIRED IMMEDIATELY.
- FILL SLOPES AT THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE TOP OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- A SIX-FOOT HIGH PERIMETER FENCE OR A 24-HOUR GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS 18 INCHES.
- THE ENGINEER OF RECORD IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE APPLICABLE AGENCY.
- TEMPORARY EROSION DEVICES SHOWN ON THE GRADING PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED WHEN THE INSPECTOR SO DIRECTS THE WORK PROGRESS.
- ALL LOOSE SOIL AND DEBRIS SHALL BE REMOVED FROM THE STREET AREAS UPON STARTING OPERATIONS AND PERIODICALLY THEREAFTER AS DIRECTED BY THE INSPECTOR.
- WHEN THE INSPECTOR SO DIRECTS, A 12-INCH BERM SHALL BE MAINTAINED ALONG THE TOP OF THE SLOPE OF THOSE FILLS ON WHICH GRADING IS NOT IN PROGRESS.
- VELOCITY CHECK DAMS SHALL BE PROVIDED ACROSS THE OUTLETS OF ALL LOTS DRAINING INTO THE STREET.
- ALL FILLS SHALL BE GRADED TO PROMOTE DRAINAGE AWAY FROM THE EDGE OF THE FILL.
- STAND-BY CREWS SHALL BE ALERTED BY THE PERMITTEE OR CONTRACTOR FOR EMERGENCY WORK DURING RAINSTORMS.
- ALL UTILITY TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS FROM BOTTOM TO TOP WITH A DOUBLE ROW OF SANDBAGS PRIOR TO BACKFILL. SEWER TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS WITH A DOUBLE ROW OF SANDBAGS EXTENDING DOWNWARD, TWO SANDBAGS FROM THE GRADED SURFACE OF THE STREET. SANDBAGS ARE TO BE PLACED WITH ALTERNATE HEADER AND STRETCHER COURSES. THE INTERVALS PRESCRIBED BETWEEN SANDBAG BLOCKING SHALL DEPEND ON THE SLOPE OF THE GROUND SURFACE, BUT NOT EXCEED THE FOLLOWING:

GRADE OF THE STREET INTERVALS

LESS THAN 2%	AS REQUIRED
2% TO 4%	100 FEET
4% TO 10%	50 FEET
OVER 10%	25 FEET

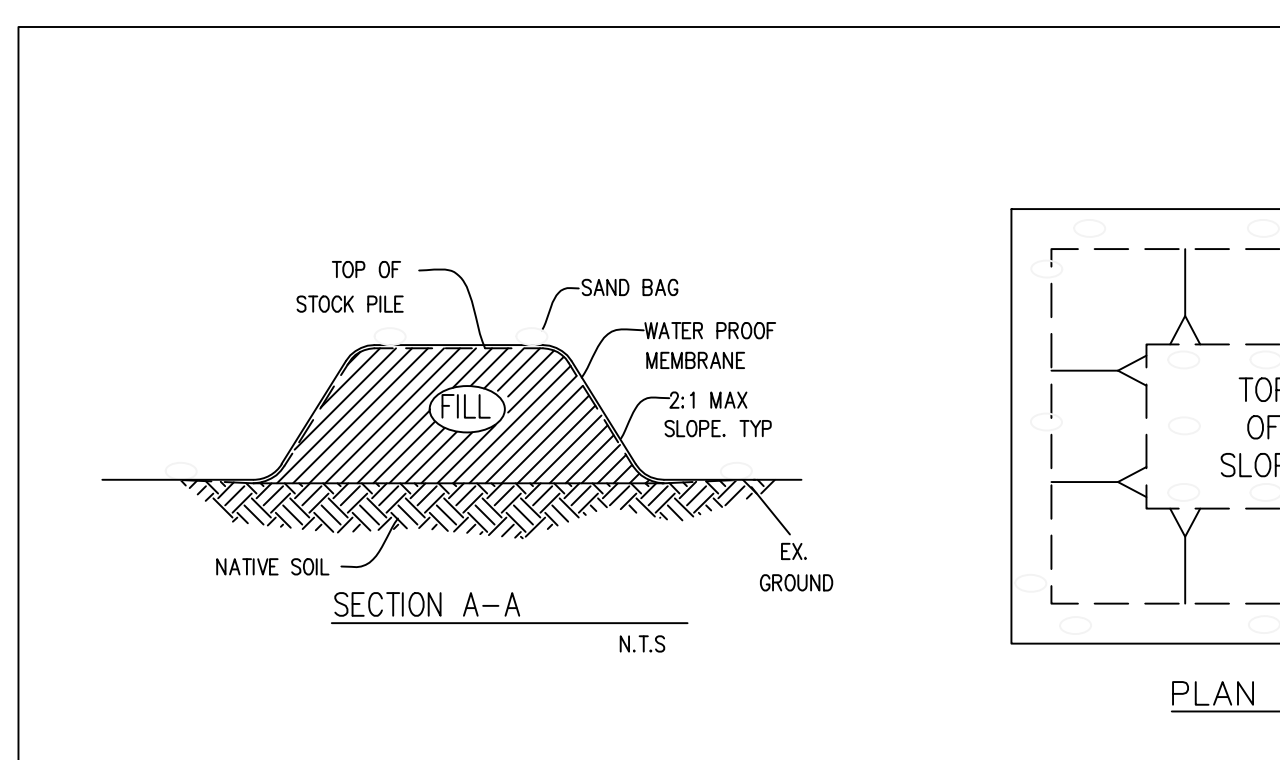
VELOCITY CHECK DAMS SHALL BE PROVIDED IN ALL UNPAVED STREET AREAS AT THE INTERVALS INDICATED ABOVE. VELOCITY CHECK DAMS MAY BE CONSTRUCTED OF SANDBAGS, TIMBER, OR OTHER EROSION-RESISTANT MATERIALS APPROVED BY THE INSPECTOR, AND SHALL EXTEND COMPLETELY ACROSS THE STREET OR CHANNEL AT RIGHT ANGLES TO THE CENTERLINE. EARTH DIKES MAY NOT BE USED AS VELOCITY CHECK DAMS. PLASTIC BAGS SHALL NOT BE USED FOR SANDBAGS.

VELOCITY CHECK DAMS SHALL BE PROVIDED IN ALL UNPAVED GRADED CHANNELS AT THE INTERVALS INDICATED BELOW:

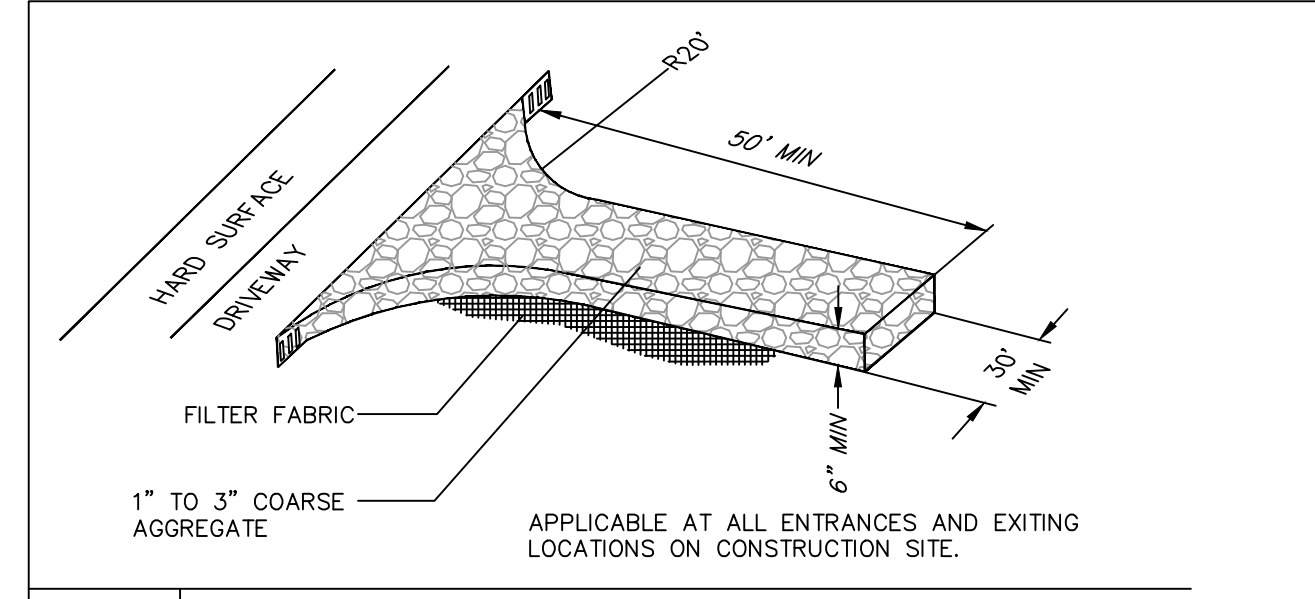
GRADE OF CHANNEL	INTERVALS BETWEEN CHECK DAMS
LESS THAN 3%	100 FEET
3% TO 6%	50 FEET
OVER 6%	25 FEET

- AFTER SEWER AND UTILITY TRENCHES ARE BACKFILLED AND COMPACTED, THE SURFACES OVER SUCH TRENCHES SHALL BE MOUNDING SLIGHTLY TO PREVENT CHANNELING OF WATER IN THE TRENCH AREA. CARE SHOULD BE EXERCISED TO PROVIDE FOR CROSS FLOWS AT FREQUENT INTERVALS WHERE TRENCHES ARE NOT ON THE CENTERLINE OF A CROWN STREET.
- EXCEPT WHEN THE INSPECTOR DIRECTS OTHERWISE, ALL DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS FORECAST AND SHALL BE MAINTAINED DURING THE RAINY SEASON (OCTOBER 1 THROUGH APRIL 15).
- ALL BASINS AND CHECK DAMS SHALL HAVE THE DEBRIS AND SILT REMOVED AFTER EACH STORM TO RESTORE THEIR CAPACITY.
- SANDBAG SHALL BE STOCKPILED IN PARKWAY AT INTERVALS SHOWN PLANS, READY TO BE PLACED IN POSITION WHEN RAIN IS FORECAST, OR WHEN THE PUBLIC WORKS INSPECTOR SO

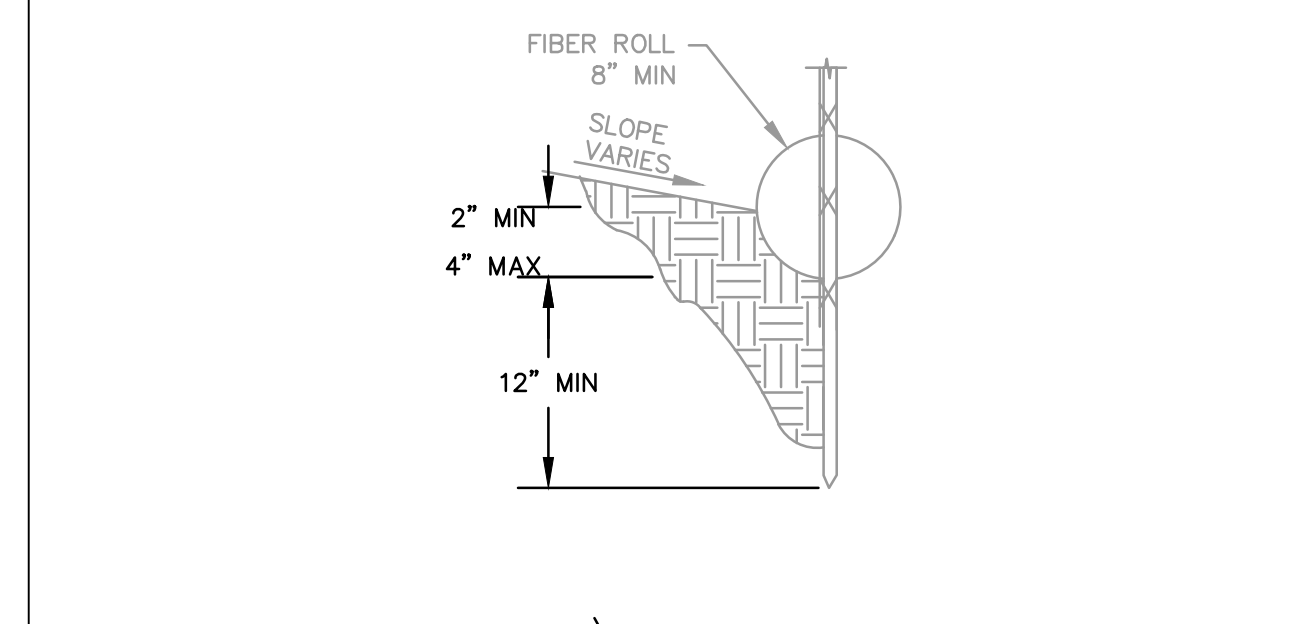
- BRUSH AND GROUND COVER MAY NOT BE REMOVED MORE THAN 10-FEET ABOVE FILLS BETWEEN OCTOBER 1 AND APRIL 15.
- PLACEMENT OF DEVICES TO REDUCE EROSION DAMAGE WITHIN THE PROJECT MUST BE SHOWN ON THE PLAN. STOCKPILE LOCATIONS FOR MATERIALS SHALL ALSO BE INDICATED ON THE DRAWING. OUTLET CONDITIONS FROM THE DESILTING BASIN SHALL NOT EXCEED DOWNSTREAM LIMITATIONS. THE OVERFLOW SHALL BE DESIGNED TO SAFELY PASS 1.5 TIMES THE 25-YEAR PEAK DISCHARGE.
- A CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE CONSTRUCTION ENTRANCE. THE CONSTRUCTION ENTRANCE SHALL CONSIST OF A BED OF 3/4" GRAVEL OF THE FOLLOWING MINIMUM DIMENSIONS: 15' WIDE, 30' LONG AND 12" DEEP. THE CONSTRUCTION ENTRANCE SHALL BE REMOVED PRIOR TO PLACING BASE FOR PAVING.
- ALL SANDBAGS SHALL BE AMERICAN BUILDERS SUPPLY SIZE 18 MATERIAL OR EQUAL WITH 10X12 WEAVE, 950 DENIER, 1200-HOUR U.V. RATING, OF MILK WHITE COLOR, AND SHOULD HAVE 1000 PER BALE.
- SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND.
- STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
- FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
- NON-STORM WATER RUNOFF FROM EQUIPMENT AND VEHICLE WASHING AND ANY OTHER ACTIVITY SHALL BE CONTAINED AT THE PROJECT SITE.
- EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
- TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
- SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEP UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- ANY SLOPES WITH DISTURBED SOILS OR DENuded OF VEGETATION MUST BE STABILIZED.



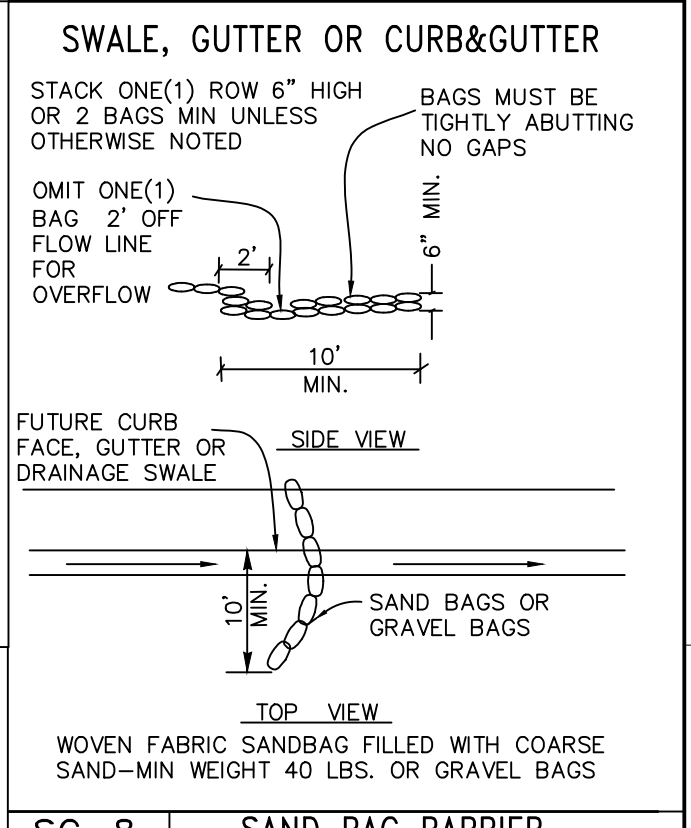
WM-3 STOCKPILE MANAGEMENT



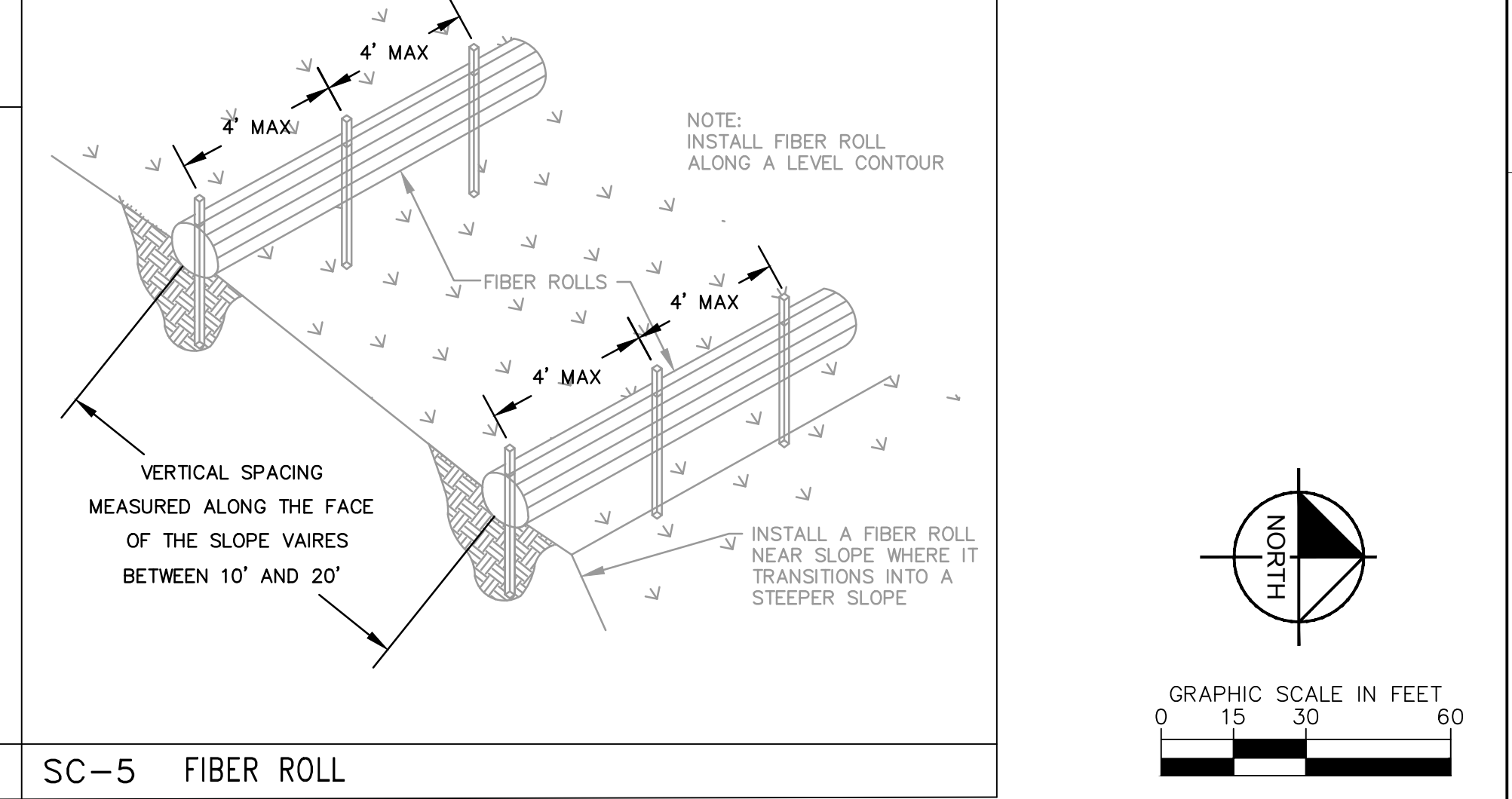
TC-1 STABILIZED CONSTRUCTION ENTRANCE



SC-5 FIBER ROLL



**SC-8 SAND BAG BARRIER
SC-6 GRAVEL BAG BERM**



SC-5 FIBER ROLL

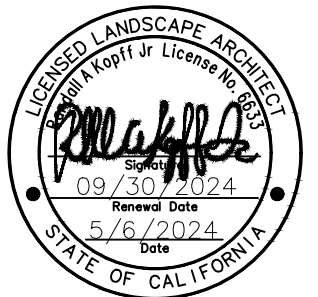
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REVISION SCHEDULE

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△	06/13/2024	FOR BID

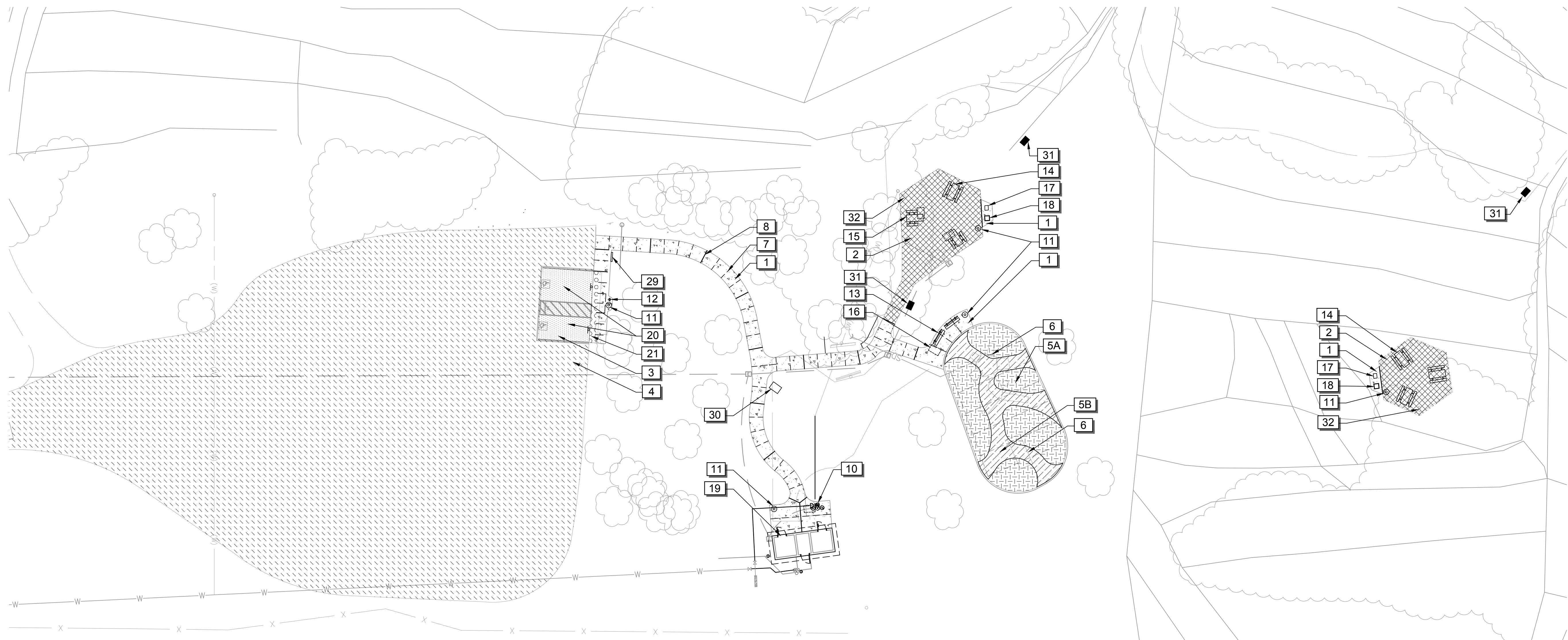
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SHEET
HARDSCAPE PLAN
SHEET NUMBER

HS-100



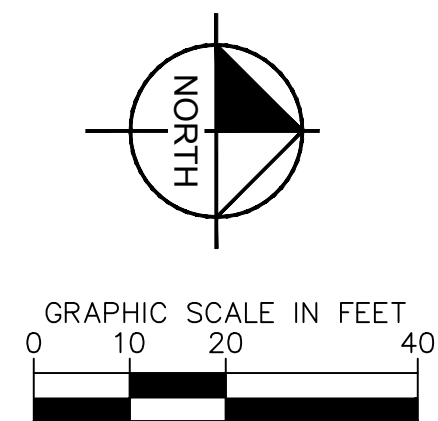
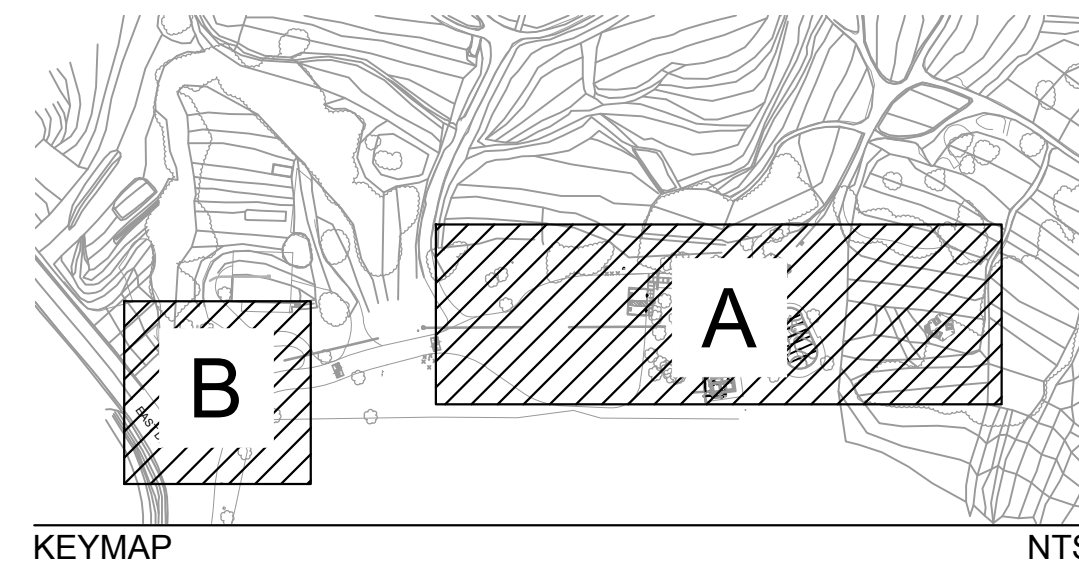
ENLARGEMENT A



ENLARGEMENT B

HARDSCAPE LEGEND

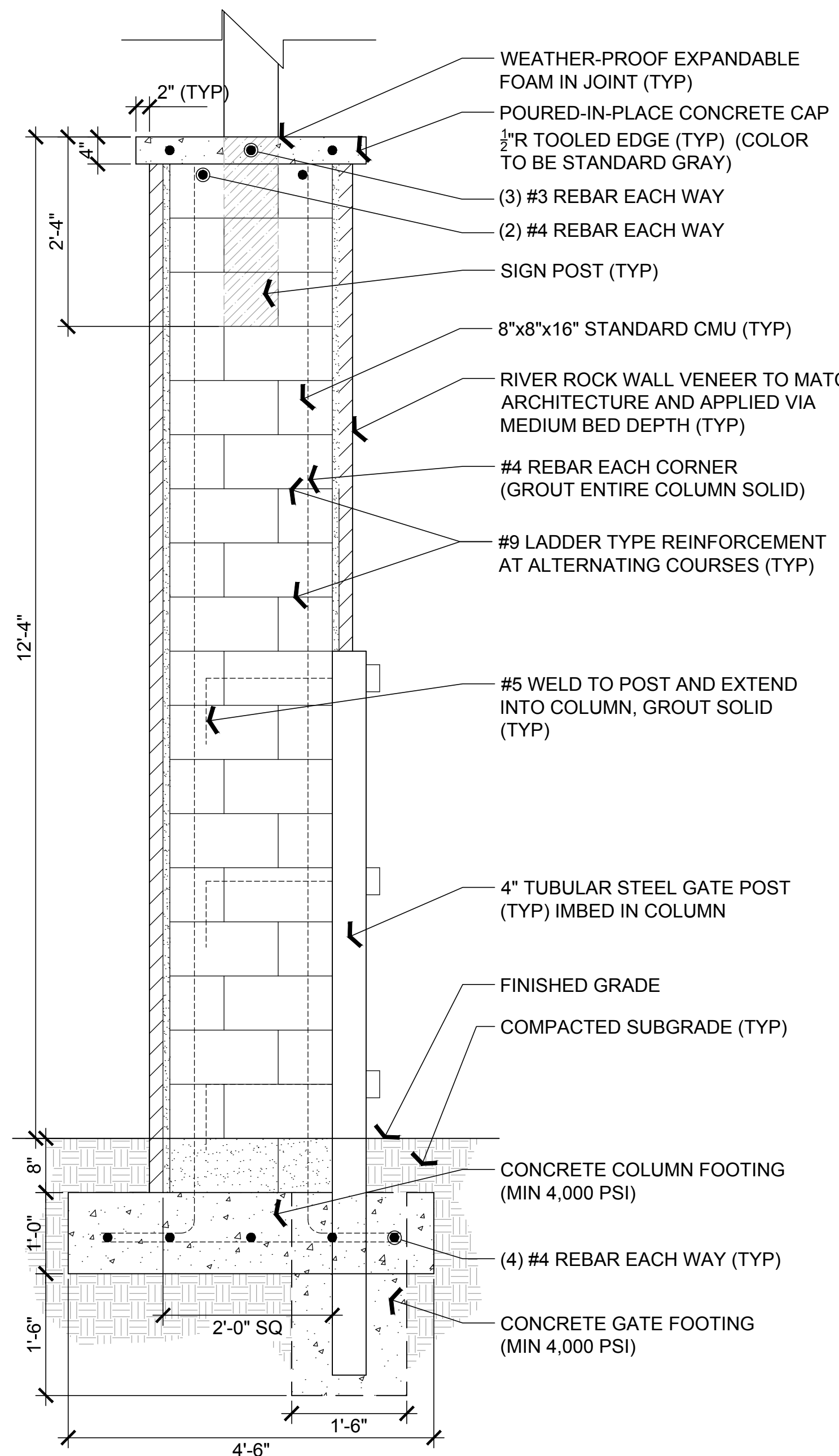
SYMBOL	DESCRIPTION	QTY	SYMBOL	DESCRIPTION	QTY
[Symbol]	1 PEDESTRIAN CONCRETE PAVING. SEE CIVIL PLANS		[Symbol]	19 PROPOSED RESTROOM BUILDING. SEE ARCHITECTURAL PLANS	
[Symbol]	2 EXISTING CONCRETE TO REMAIN, PROTECT IN PLACE		[Symbol]	20 ACCESSIBLE PARKING STALLS. SEE CIVIL PLANS.	
[Symbol]	3 AC PAVING. SEE CIVIL PLANS		[Symbol]	21 DETECTABLE WARNING PAVERS. SEE CIVIL PLANS.	52 SF
[Symbol]	4 DECOMPOSED GRANITE PAVING. SEE CIVIL PLANS.		[Symbol]	22 PARK ENTRANCE GATE. SEE SPECIFICATIONS AND DETAILS 1-2/HS-200.	
[Symbol]	5A RUBBERIZED RESILIENT SURFACING COLOR #1. AVAILABLE THROUGH SPECTRATURF OR APPROVED EQUAL. PH: (800) 875-5788. COLOR #1: 70% ARMY GREEN, 20% GREEN, 10% EGG SHELL. SEE SPECIFICATIONS AND DETAILS 1-2/HS-202.	1,125 SF	[Symbol]	23 KEY PAD FOR GATE ACCESS. SEE ELECTRICAL PLANS.	
[Symbol]	5B RUBBERIZED RESILIENT SURFACING COLOR #2. AVAILABLE THROUGH SPECTRATURF OR APPROVED EQUAL. PH: (800) 875-5788. COLOR #2: 70% BEIGE, 20% EGG SHELL, 10% BROWN. SEE SPECIFICATIONS AND DETAILS 1-2/HS-202.	656 SF	[Symbol]	24 ITEM OMITTED	
[Symbol]	6 EXISTING PLAY STRUCTURE TO REMAIN, PROTECT IN PLACE		[Symbol]	25 PERIMETER FENCE. SEE DETAIL 3/HS-200.	
[Symbol]	7 CONTROL JOINT, TYP. SEE CIVIL PLANS.		[Symbol]	26 PEDSTRIAN GATE. SEE DETAIL 3/HS-200.	
[Symbol]	8 EXPANSION JOINT, TYP. SEE CIVIL PLANS.		[Symbol]	27 REMOVE AND REPLACE EXISTING FLAGPOLE. SEE SPECIFICATIONS.	
[Symbol]	9 ITEM OMITTED		[Symbol]	28 ITEM OMITTED	
[Symbol]	10 DRINKING FOUNTAIN WITH BOTTLE FILLER, CHILLER AND DOG BOWL. SEE SPECIFICATIONS.		[Symbol]	29 RULES AND REGULATIONS SIGN. SEE DETAIL 2/HS-201.	
[Symbol]	11 TRASH RECEPTACLE. SEE SPECIFICATIONS.		[Symbol]	30 MEMORIAL PLAQUE. SEE DETAIL 1/HS-201.	
[Symbol]	12 PET WASTE STATION. SEE SPECIFICATIONS AND DETAIL 3/HS-201.		[Symbol]	31 INTERPRETIVE SIGN. SEE DETAIL 4/HS-201.	
[Symbol]	13 6' LONG BENCH WITH BACK. SEE SPECIFICATIONS.		[Symbol]	32 EXISTING SHADE STRUCTURE TO REMAIN, PROTECT IN PLACE	
[Symbol]	14 6' LONG STANDARD PICNIC TABLE. SEE SPECIFICATIONS.				
[Symbol]	15 6' LONG ADA PICNIC TABLE. SEE SPECIFICATIONS.				
[Symbol]	16 30"x48" WHEEL CHAIR SPACE				
[Symbol]	17 SINGLE BARBECUE UNIT. SEE SPECIFICATIONS.				
[Symbol]	18 HOT ASH CONTAINER. SEE SPECIFICATIONS.				



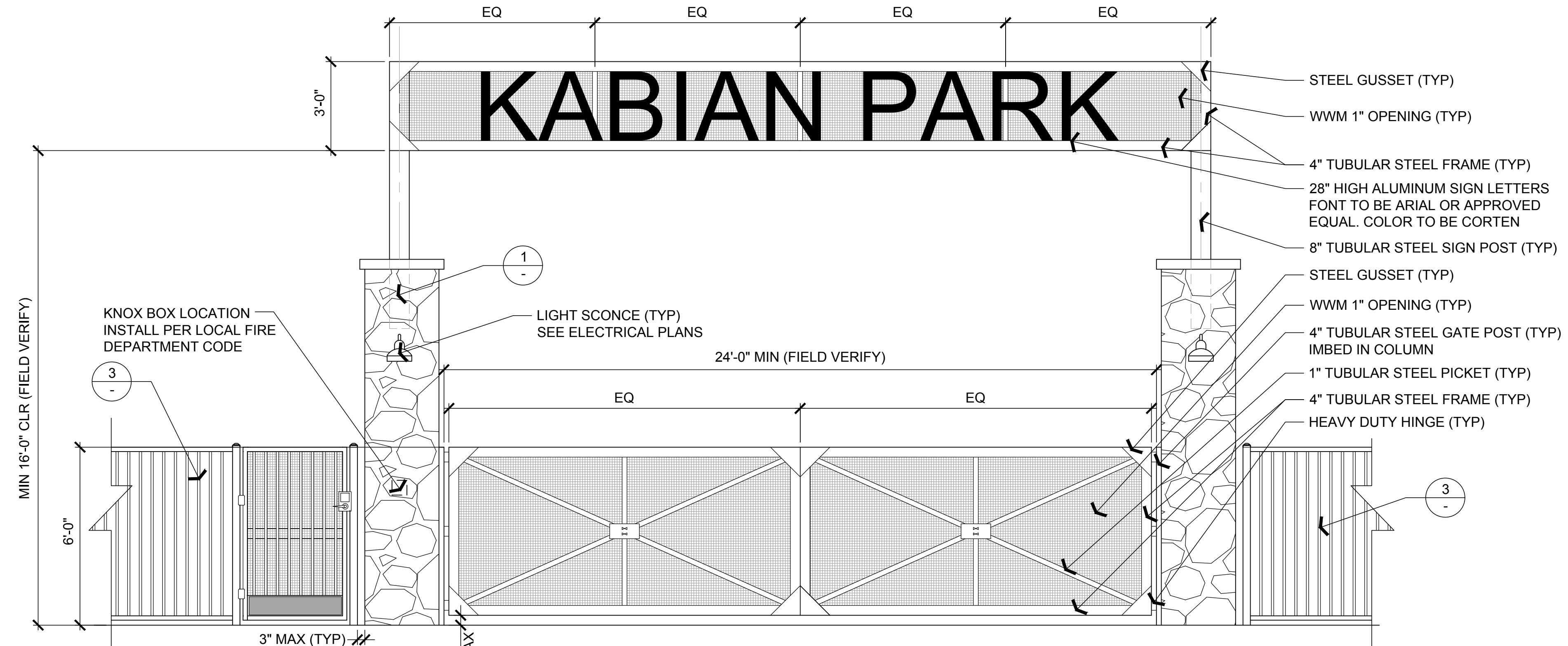
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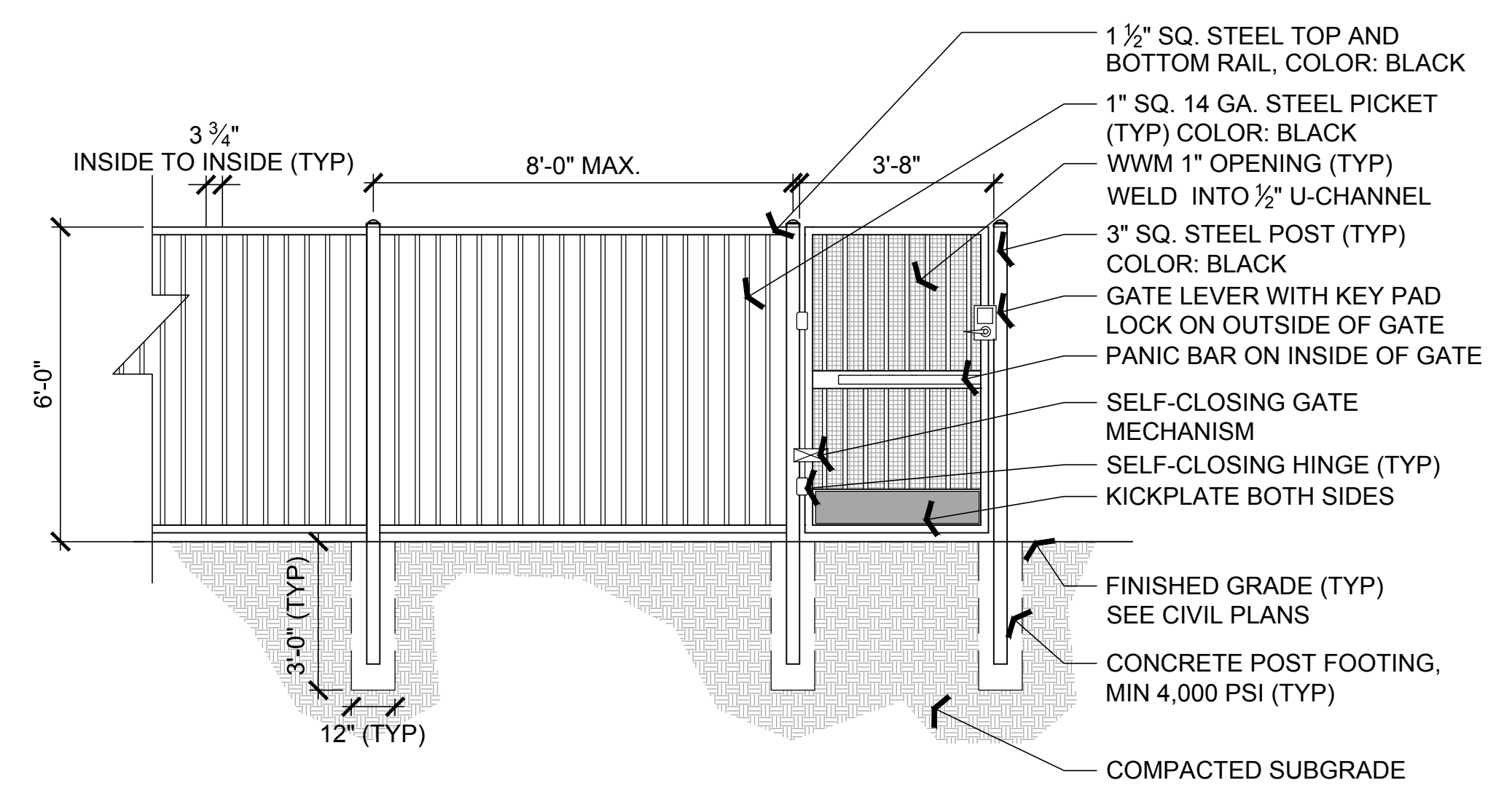
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1 PARK ENTRANCE GATE COLUMN
3/4"=1'-0" DETAIL



2 PARK ENTRANCE GATE
3/8"=1'-0" ELEVATION



3 PERIMETER FENCE AND GATE
3/8"=1'-0" ELEVATION

- NOTES**
- DESIGN INTENT ONLY. SHOP DRAWING AND STRUCTURAL CERTIFICATION REQUIRED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
 - PROVIDE SAMPLES OF ALL MATERIALS AND COLORS TO BE USED PRIOR TO FABRICATION.
 - ALL WELDS SHALL BE GROUND SMOOTH, PAINT ALL SEAMS. SHALL BE CONTINUOUS AND SHALL COMPLY WITH THE LATEST A.W.S. D1.1.
 - ALL FASTENERS SHALL BE CONCEALED. IF EXPOSED, HARDWARE SHALL BE TAMPER PROOF FASTENERS, CORROSION RESISTANT, AND COLOR MATCHING ADJACENT SURFACES.
 - ALL STEEL TO BE RAW, UNTREATED WEATHERING STEEL, UNLESS OTHERWISE NOTED.
 - SEE ELECTRICAL PLANS FOR ENTRY GATE MECHANICS AND EQUIPMENT.
 - ENTRY GATES AND OVERHEAD STRUCTURE SHALL BE CONSIDERED A DEFERRED SUBMITTAL.
 - ENSURE ALL PANIC GATE HARDWARE IS 34" ABOVE FINISHED GRADE. MAX.
 - CONTRACTOR SHALL APPLY ANTI-GRAFFITI COATING, VANDLGUARD TEN BY RAINGUARD, OR APPROVED EQUAL TO ALL EXTERIOR SURFACES.
 - CONTRACTOR TO PROVIDE PROTECTIVE COATING FOR ALL STEEL TO BE IN CONTACT WITH EARTH.
 - CONTRACTOR TO PROVIDE ISOLATION OF DISSIMILAR MATERIALS WHERE NECESSARY.
 - CONTRACTOR TO PROVIDE A SLOPE AWAY FROM BASE OF POLE AND ANCHORAGE.



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QUAIL VALLEY, CA 92587

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	06/13/2024	FOR BID

100% SUBMITTAL

CONSULTANT PROJECT #	
PRINTED FOR	
DATE	06/13/2024
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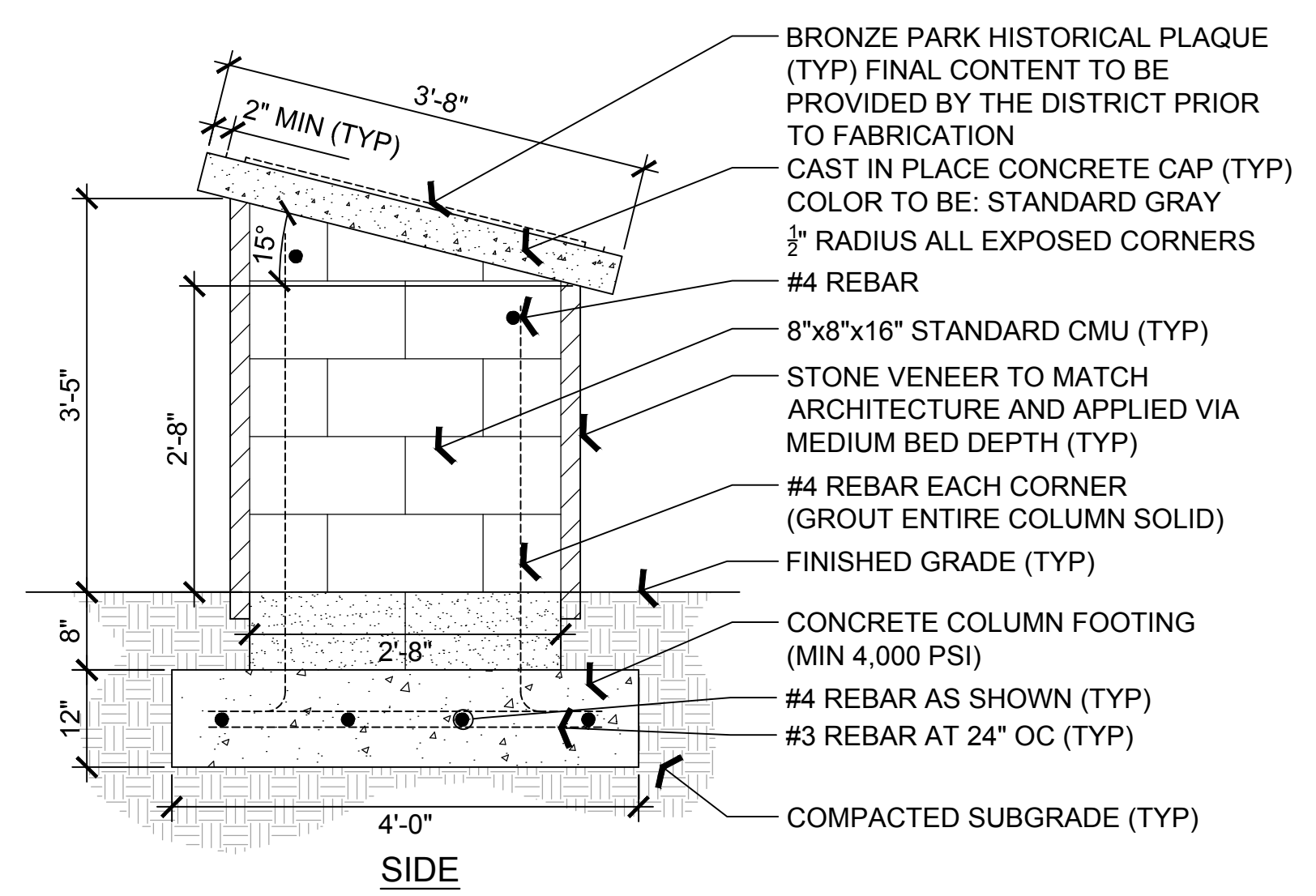
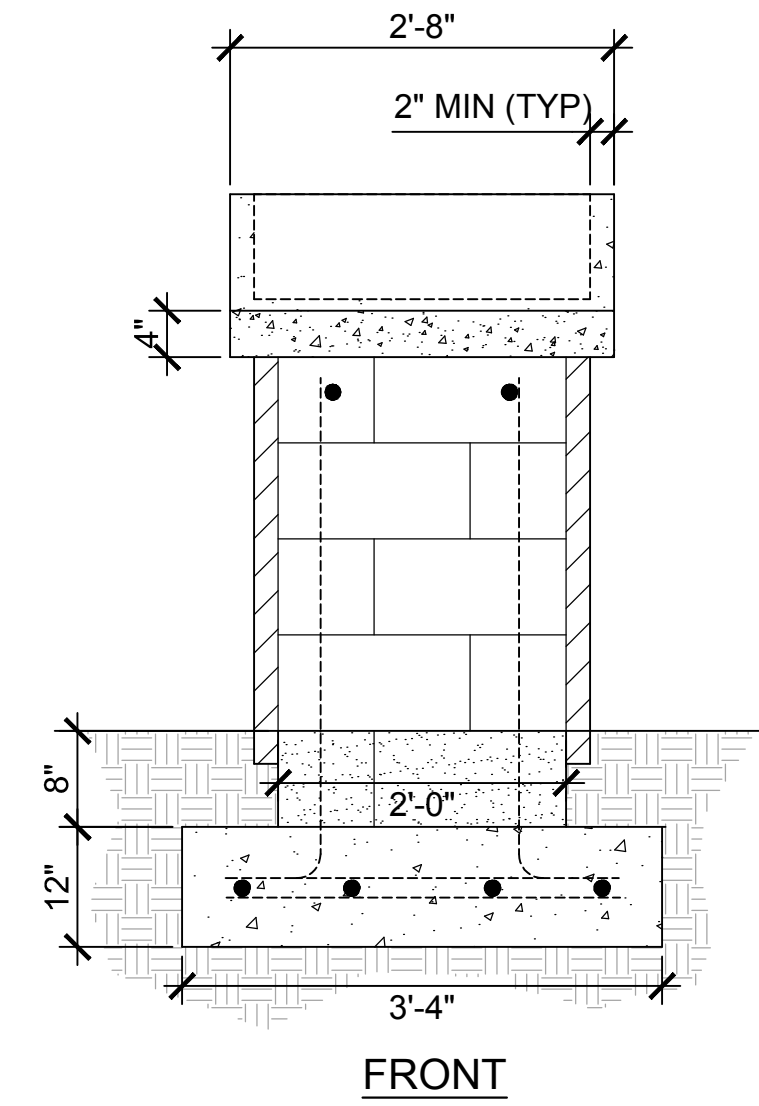
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SHEET
HARDSCAPE DETAILS
SHEET NUMBER

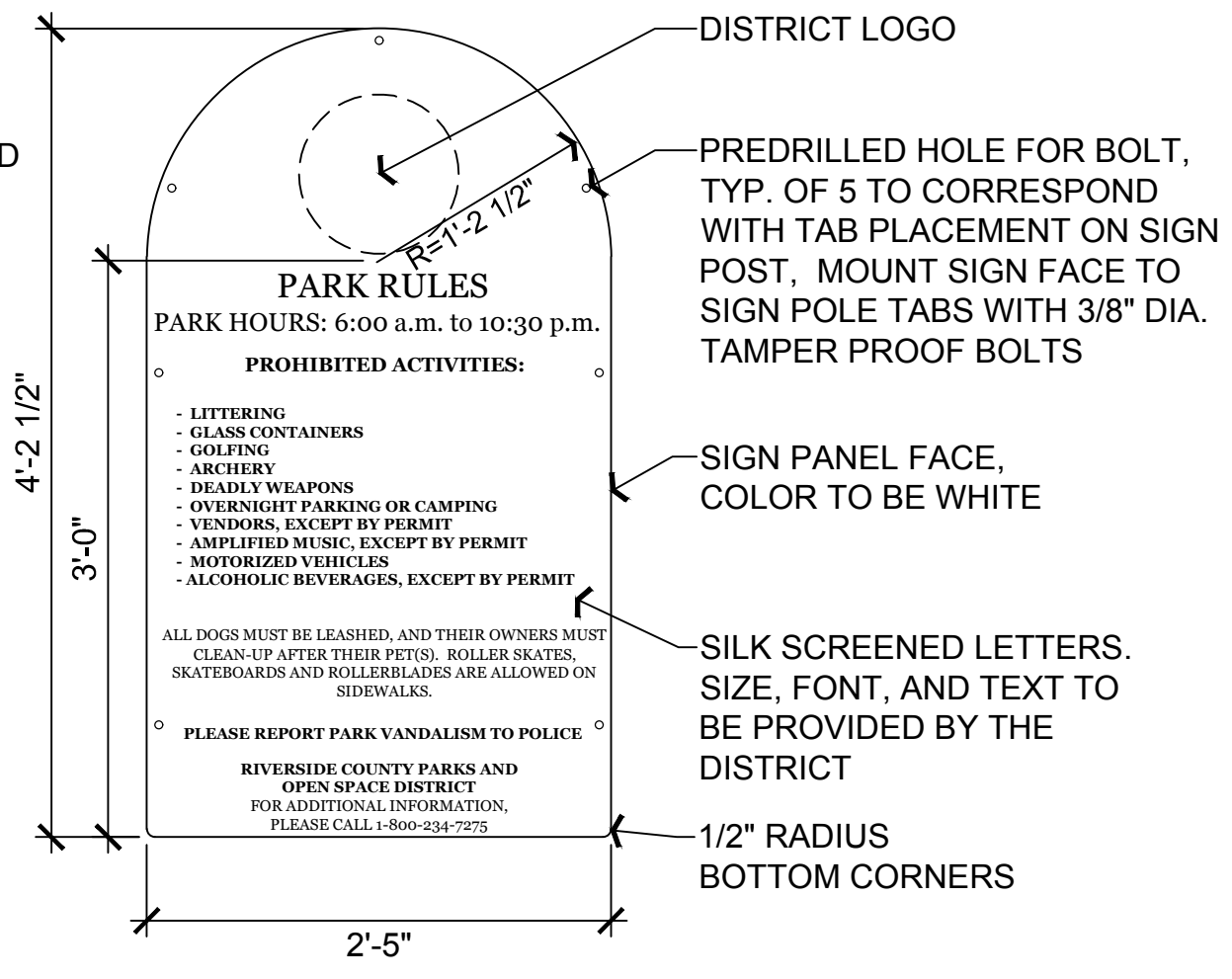
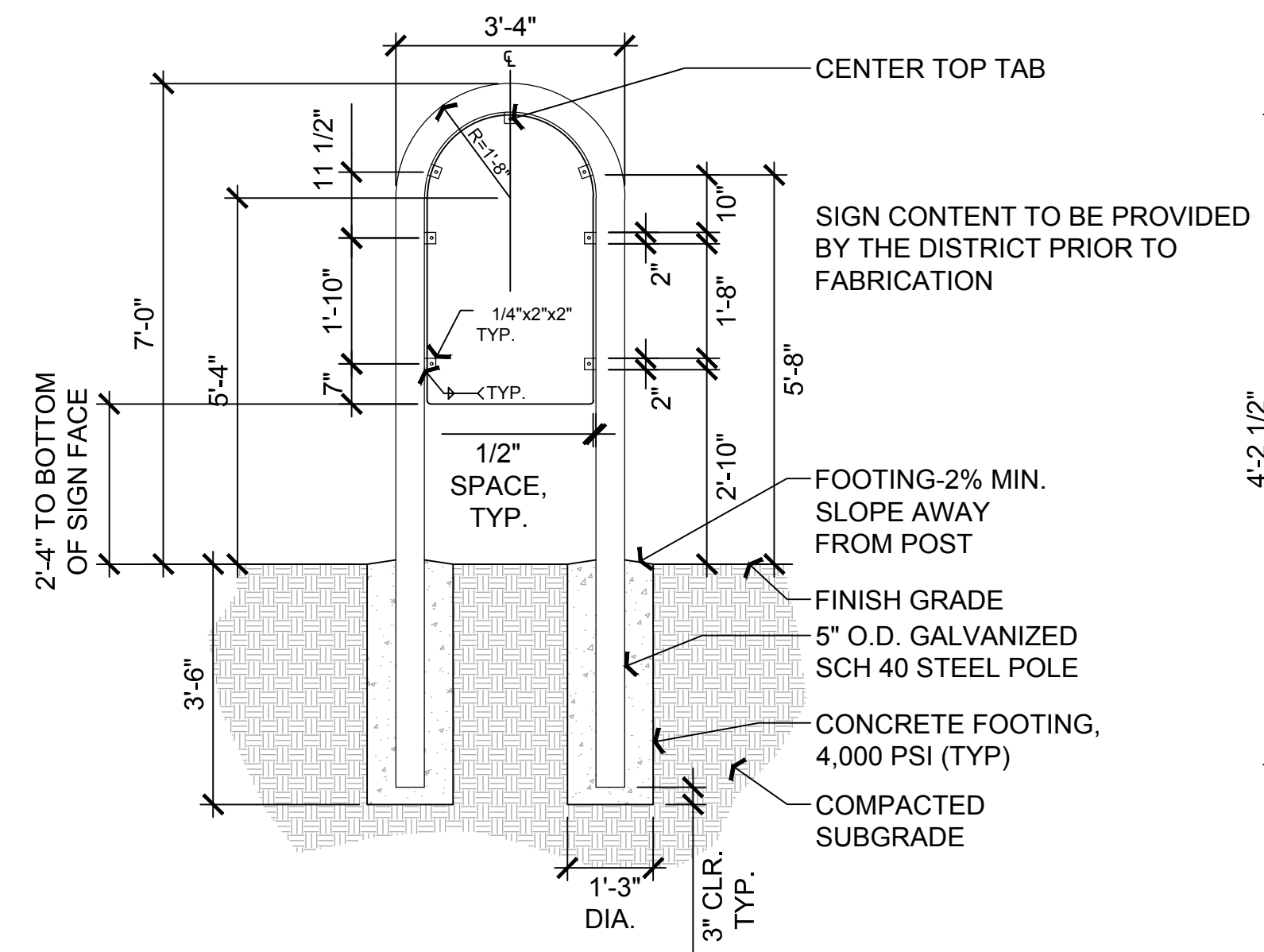
HS-200



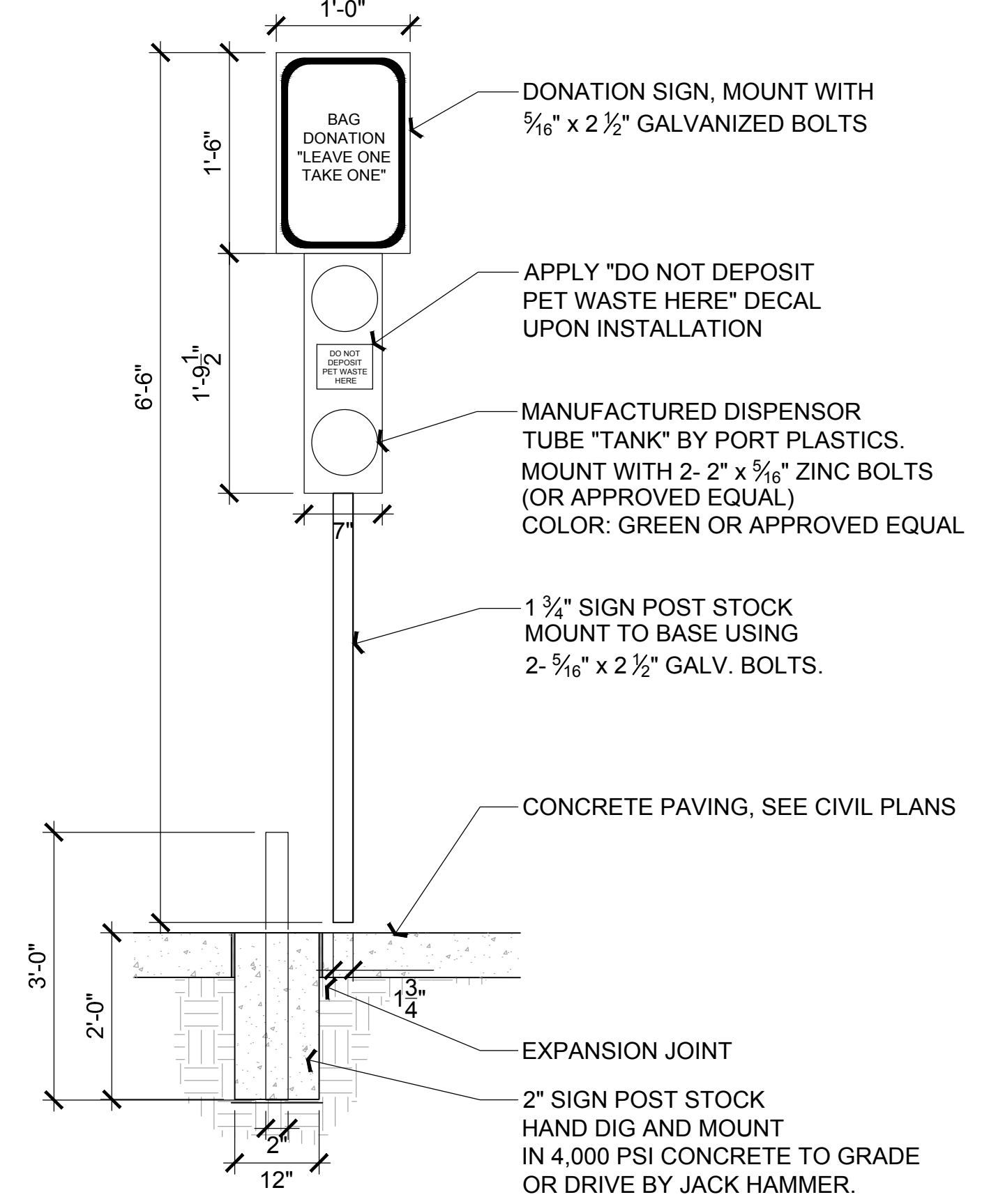
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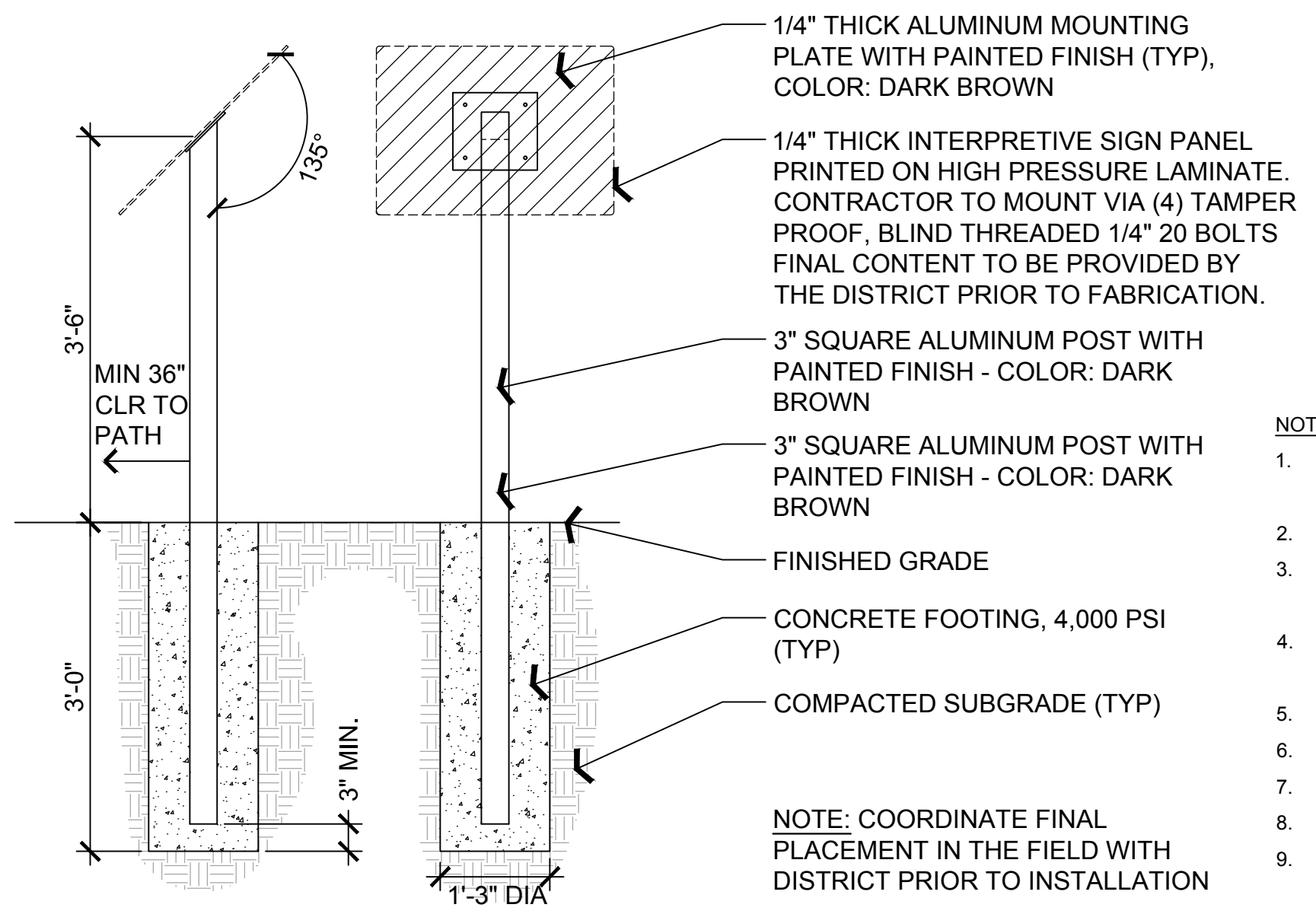
1 MEMORIAL PLAQUE
3/4"=1'-0" DETAIL



2 RULES AND REGULATIONS SIGN
NTS DETAIL



3 PET BAG DISPENSER
NTS DETAIL



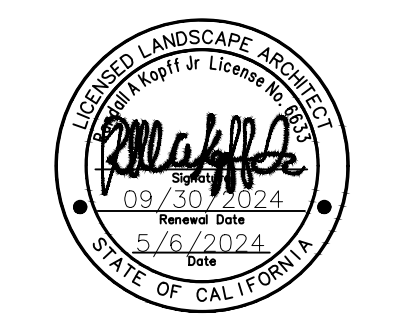
4 INTERPRETIVE SIGN
3/4"=1'-0" DETAIL

- NOTES**
- DESIGN INTENT ONLY. SHOP DRAWING AND STRUCTURAL CERTIFICATION REQUIRED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
 - PROVIDE SAMPLES OF ALL MATERIALS AND COLORS TO BE USED PRIOR TO FABRICATION.
 - ALL WELDS SHALL BE GROUND SMOOTH, PAINT ALL SEAMS. SHALL BE CONTINUOUS AND SHALL COMPLY WITH THE LATEST A.W.S. D1.1.
 - ALL FASTENERS SHALL BE CONCEALED. IF EXPOSED, HARDWARE SHALL BE TAMPER PROOF FASTENERS, CORROSION RESISTANT, AND COLOR MATCHING ADJACENT SURFACES.
 - ALL STEEL TO BE RAW, UNTREATED WEATHERING STEEL, UNLESS OTHERWISE NOTED.
 - SEE ELECTRICAL PLANS FOR ENTRY GATE MECHANICS AND EQUIPMENT.
 - ENTRY GATES AND OVERHEAD STRUCTURE SHALL BE CONSIDERED A DEFERRED SUBMITTAL.
 - ENSURE ALL PANIC GATE HARDWARE IS 34" ABOVE FINISHED GRADE. MAX.
 - CONTRACTOR SHALL APPLY ANTI-GRAFFITI COATING, VANDLGUARD TEN BY RAINGUARD, OR APPROVED EQUAL TO ALL EXTERIOR SURFACES.
 - CONTRACTOR TO PROVIDE PROTECTIVE COATING FOR ALL STEEL TO BE IN CONTACT WITH EARTH.
 - CONTRACTOR TO PROVIDE ISOLATION OF DISSIMILAR MATERIALS WHERE NECESSARY.
 - CONTRACTOR TO PROVIDE A SLOPE AWAY FROM BASE OF POLE AND ANCHORAGE.



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COUNTY OF RIVERSIDE**
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QUAIL VALLEY, CA 92587

REVISION SCHEDULE

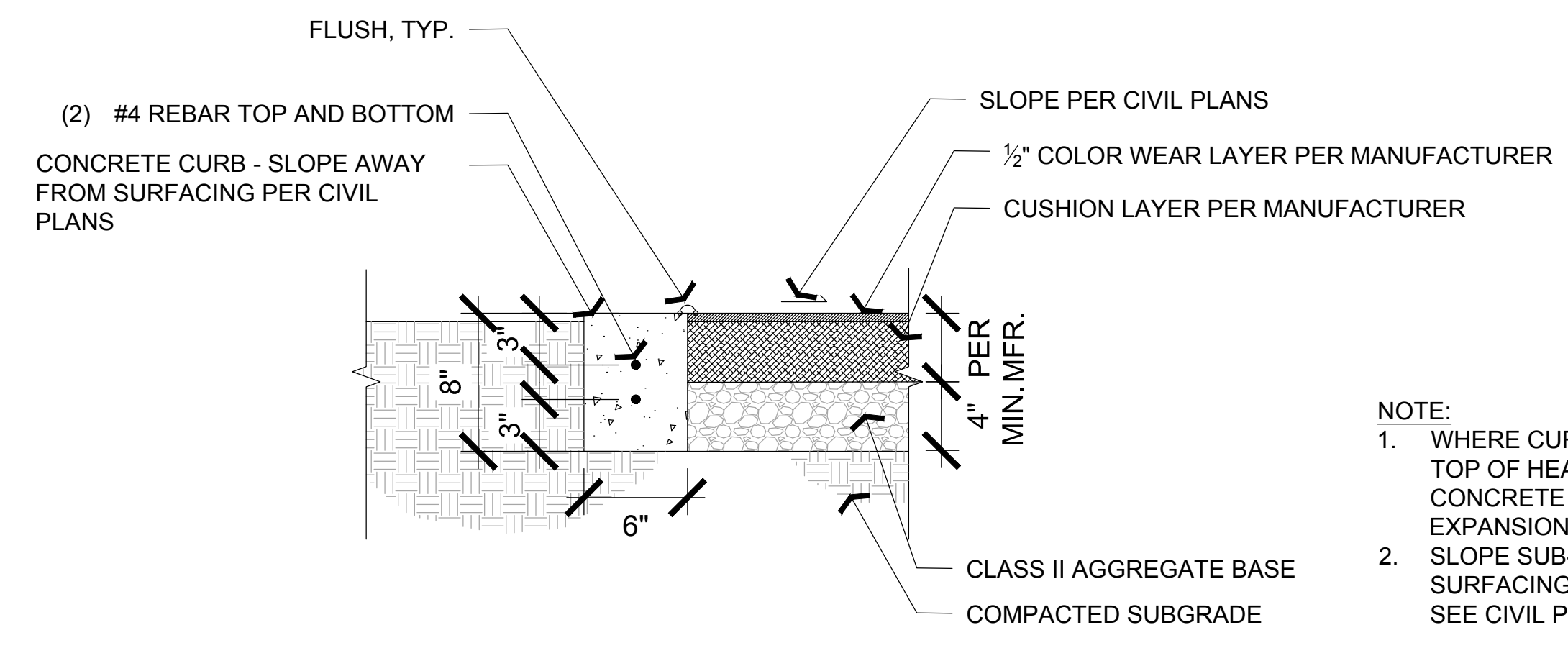
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SHEET HARDSCAPE DETAILS	
SHEET NUMBER	

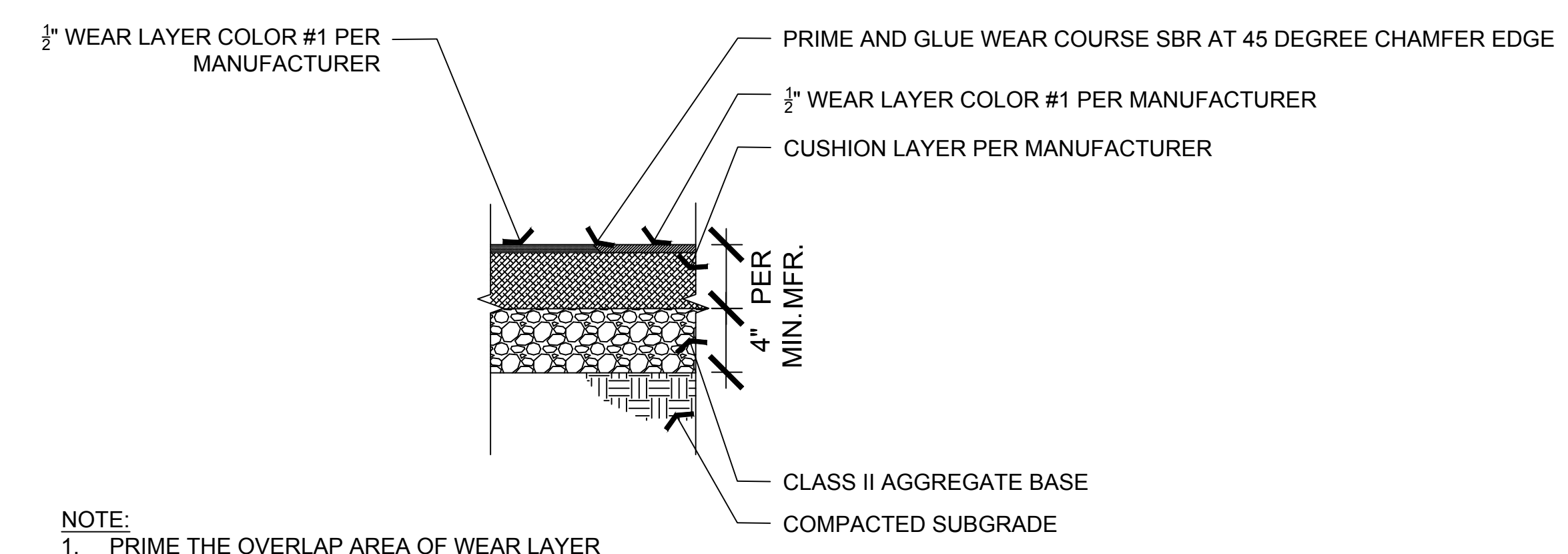
HS-201

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NOTE:
 1. WHERE CURB IS ADJACENT TO CONCRETE WALK, TOP OF HEADER CURB SHALL BE FLUSH WITH CONCRETE WALK FINISHED SURFACE. INSTALL 1/2" EXPANSION JOINT BETWEEN CURB AND WALK.
 2. SLOPE SUB-GRADE AND SUB-BASE FOR RESILIENT SURFACING TOWARD PLAYGROUND DRAINAGE. SEE CIVIL PLANS.

1 RESILIENT SURFACING
 NTS DETAIL



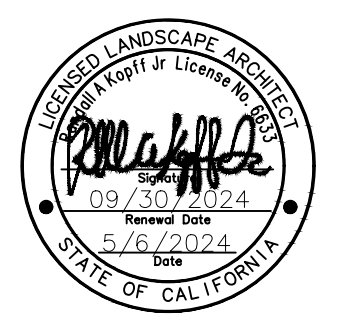
NOTE:
 1. PRIME THE OVERLAP AREA OF WEAR LAYER COLOR #1 WITH ALIPHATIC POLYURETHANE BINDER IMMEDIATELY PRIOR TO APPLICATION OF WEAR LAYER COLOR #2.

2 RESILIENT SURFACING: COLOR JOINTS
 NTS DETAIL



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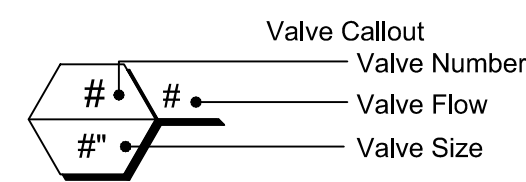
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 SHEET
HARDSCAPE DETAILS
 SHEET NUMBER _____

HS-202

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	HUNTER ICV-G 1IN., 1-1/2IN., 2IN., AND 3IN. PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE.	5
	SUPERIOR 1402 INVERTED NOSE GARDEN VALVE. 3/4IN. X 1IN. FEMALE NPT HOSE BIBB, RED BRASS.	1
	NIBCO T-113 CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4IN. - 3IN.	2
	HUNTER IBV 2" 1IN., 1-1/2IN., 2IN., AND 3IN. BRASS ELECTRIC MASTER VALVE, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE.	1
	FEBCO 825YA 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
	HUNTER I2C-1600-M 16 STATION OUTDOOR MODULAR CONTROLLER. WITH ONE ICM-800 MODULE. COMMERCIAL USE. METAL CABINET.	1
	HUNTER WSS WIRELESS SOLAR, RAIN FREEZE SENSOR WITH OUTDOOR INTERFACE, CONNECTS TO HUNTER PCC, PRO-C, AND I-CORE CONTROLLERS, INSTALL AS NOTED. INCLUDES 10 YEAR LITHIUM BATTERY AND RUBBER MODULE COVER, AND GUTTER MOUNT BRACKET.	1
	HUNTER HC-200-FLOW (SUB METER) 2IN. FOR USE WITH HYDRAWISE ENABLED CONTROLLER TO MONITOR FLOW AND PROVIDE SYSTEM ALERTS. ALSO FUNCTIONS AS STAND ALONE FLOW TOTALIZER/SUB METER ON ANY RESIDENTIAL OR COMMERCIAL IRRIGATION SYSTEM.	1
	POINT OF CONNECTION 2"	1
----- IRRIGATION MAINLINE: PVC SCHEDULE 40		



IRRIGATION NOTES

- THE SYSTEM HAS BEEN DESIGNED TO PROVIDE 100% COVERAGE. ANY CHANGES MADE IN THE LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS. QUANTITIES IN SCHEDULE ARE ESTIMATED. PLAN SHALL TAKE PRECEDENCE.
- ALL IRRIGATION LINES AND VALVES ARE SHOWN DIAGRAMMATICALLY. ALL LINES AND VALVES TO BE INSTALLED IN PLANTING AREAS WHERE POSSIBLE.
- CONTRACTOR TO FIELD LOCATE ALL PROPOSED IRRIGATION WATER MAIN LINE LOCATIONS. CONTACT LANDSCAPE ARCHITECT PRIOR TO START OF WORK IF DISCREPANCIES BETWEEN THIS PLAN AND EXISTING CONDITIONS ARE FOUND.
- LOCATE ALL VALVES INSIDE LANDSCAPE AREAS, ALLOWING ACCESS FOR MAINTENANCE PURPOSES, BUT HIDING THEM FROM PUBLIC VIEW WHENEVER POSSIBLE.
- ALL PRESSURE MAINLINES UNDER ASPHALT PAVEMENT SHALL BE PLACED WITHIN SLEEVES AS NOTED. WHERE ELECTRIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.
- CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT.
- ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR, WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF EACH SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS. ALL SLEEVES SHALL BE SIZED TWO PIPE SIZES GREATER THAN PIPE IT CARRIES.
- ALL DRIP ZONES SHALL BE INSTALLED WITH A SELF-FLUSHING DISC FILTER, OR APPROVED EQUAL.
- IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE HIGHWAY JURISDICTION.
- VERIFY CONTROLLER AND RAIN SENSOR LOCATION AND MAINLINE POINT OF CONNECTION AT PROJECT SITE WITH OWNER.
- ELECTRIC SERVICE TO CONTROLLER SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.
- ALL 24 VAC WIRING SHALL BE OF DIRECT BURIAL COPPER WIRE AS FOLLOWS:
 - CONTROL WIRES - #14
 - COMMON WIRES - #12
- INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON THE SITE.
- COORDINATE WITH PLANTING PLAN FOR PLANTER BED LOCATIONS AND TREE LOCATIONS.
- PRIOR TO THE START OF CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH DEVELOPER FOR OPERATING PARAMETERS OF MASTER SYSTEM. THIS DESIGN REQUIRES 65 PSI TO OPERATE. IF THE MASTER SYSTEM CANNOT PROVIDE THESE PARAMETERS, CONTRACTOR SHALL MAKE ADJUSTMENTS TO THE DESIGN BY ADDING CONTROL VALVES, A BOOSTER PUMP, PRESSURE REDUCING VALVE, OR OTHER EQUIPMENT, AS NECESSARY. CONTRACTOR SHALL SUBMIT DESIGN REVISIONS TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO SUBMITTING BID.
- A FINAL REPORT FOR THE TESTING AND ADJUSTING OF ALL NEW SYSTEMS SHALL BE COMPLETED PRIOR TO FINAL APPROVAL BY THE FIELD INSPECTOR. THIS REPORT SHALL BE SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.
- A LAMINATED DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES.
- A CERTIFICATE OF COMPLETION SHALL BE FILLED OUT AND CERTIFIED BY EITHER THE SIGNER OF THE LANDSCAPE PLANS, THE SIGNER OF THE IRRIGATION PLANS, OR THE LICENSED LANDSCAPE CONTRACTOR FOR THE PROJECT.
- AN IRRIGATION AUDIT REPORT SHALL BE COMPLETED AT THE TIME OF FINAL INSPECTION.

I HAVE COMPLIED WITH THE CRITERIA OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE AND IRRIGATION DESIGN PLAN.

Randall A. Kopff
RANDALL A. KOPFF JR, LLA 6633

MAINTENANCE:

- LOW-FLOW BUBBLER ZONES WILL BE DRAINED IN COLD WEATHER SITUATIONS USING THE MANUAL FLUSH VALVES.
- FILTER CLEANING AND REPLACEMENT ON A REGULAR BASIS.
- CHECKING FOR LEAKS AT EACH VALVE AND INSPECTION OF EACH ZONE ON A MONTHLY BASIS.
- HAVE THE CONTRACTOR WALK EACH SECTION OF LOW-FLOW BUBBLERS TO CHECK FOR CLOGGING OR PROBLEMS.
- IF AN ON-SITE WEATHER STATION IS SPECIFIED, IT NEEDS TO BE CALIBRATED REGULARLY TO PROVIDE ACCURATE DATA. BECAUSE OF THE COST OF MAINTAINING AN ON-SITE WEATHER STATION, IT IS RECOMMENDED TO USE A CONTROL SYSTEM WHICH UTILIZES A NETWORK OF ET DATA THAT CAN ASSURE ACCURACY TO WITHIN ONE KILOMETER OF THE SITE.

IRRIGATION MAINTENANCE SCHEDULE:

THE IRRIGATION MAINTENANCE SCHEDULE TASKS LISTED BELOW ARE INTENDED AS MINIMUM STANDARDS AND MORE FREQUENT ATTENTION MAY BE REQUIRED DEPENDING ON THE PARTICULAR SITE CONDITIONS. MAINTENANCE SHALL BE DONE TO ENSURE WATER EFFICIENCY. REPAIR OF IRRIGATION EQUIPMENT SHALL BE DONE WITH THE ORIGINALLY SPECIFIED MATERIALS OR APPROVED EQUIVALENTS.

FREQUENCY - QUARTERLY

TASK - CONTROLLER CABINET : OPEN CABINET AND CLEAN OUT DEBRIS AND REPLACE BATTERY AS NECESSARY.CHECK WIRING AND REPAIR AS NEEDED AND CHECK CLOCK AND RESET IF NECESSARY.

FREQUENCY - MONTHLY

TASK - IRRIGATION SCHEDULE: ADJUST SCHEDULE FOR SEASONAL VARIATIONS AND OTHER CONDITIONS WHICH MAY AFFECT THE AMOUNT OF WATER NEEDED TO MAINTAIN PLANT HEALTH. ADJUST AS NECESSARY.

FREQUENCY - QUARTERLY

TASK - POC: VISUALLY INSPECT COMPONENTS FOR LEAKS, PRESSURE SETTINGS, SETTLEMENT OR OTHER DAMAGE AFFECTING THE OPERATION OF A COMPONENT. REPAIR AS NEEDED.

FREQUENCY - QUARTERLY

TASK - REMOTE CONTROL VALVES : ISOLATION VALVES AND QUICK COUPLER VALVES: VISUALLY INSPECT FOR LEAKS, SETTLEMENTS, WIRE CONNECTIONS AND PRESSURE SETTINGS. REPAIR AS NEEDED.

FREQUENCY - QUARTERLY

TASK - MAINLINE AND LATERALS: VISUALLY INSPECT FOR LEAKS OR SETTLEMENTS OF TRENCH.

FREQUENCY - WEEKLY

TASK - FILTERS AND STRAINERS - VISUALLY CHECK FOR ANY BROKEN MALIGNED OR CLOGGED HEADS, HEADS WITH INCORRECT ARC, INADEQUATE COVERAGE OR OVERSPRAY AND LOW HEAD DRAINAGE. REPAIR AS NEEDED.

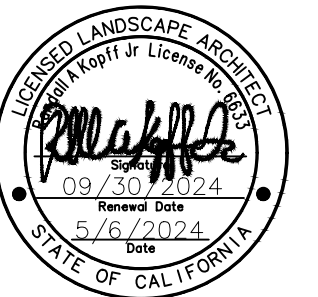
FREQUENCY - MONTHLY

TASK - FILTERS AND STRAINERS: VISUALLY CHECK FOR LEAKS, BROKEN FITTINGS. CLEAN AND FLUSH SCREENS.



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SHEET
IRRIGATION NOTES &
SCHEDULES
SHEET NUMBER

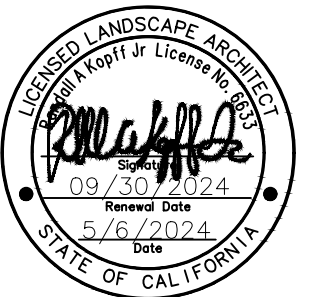
IR-001





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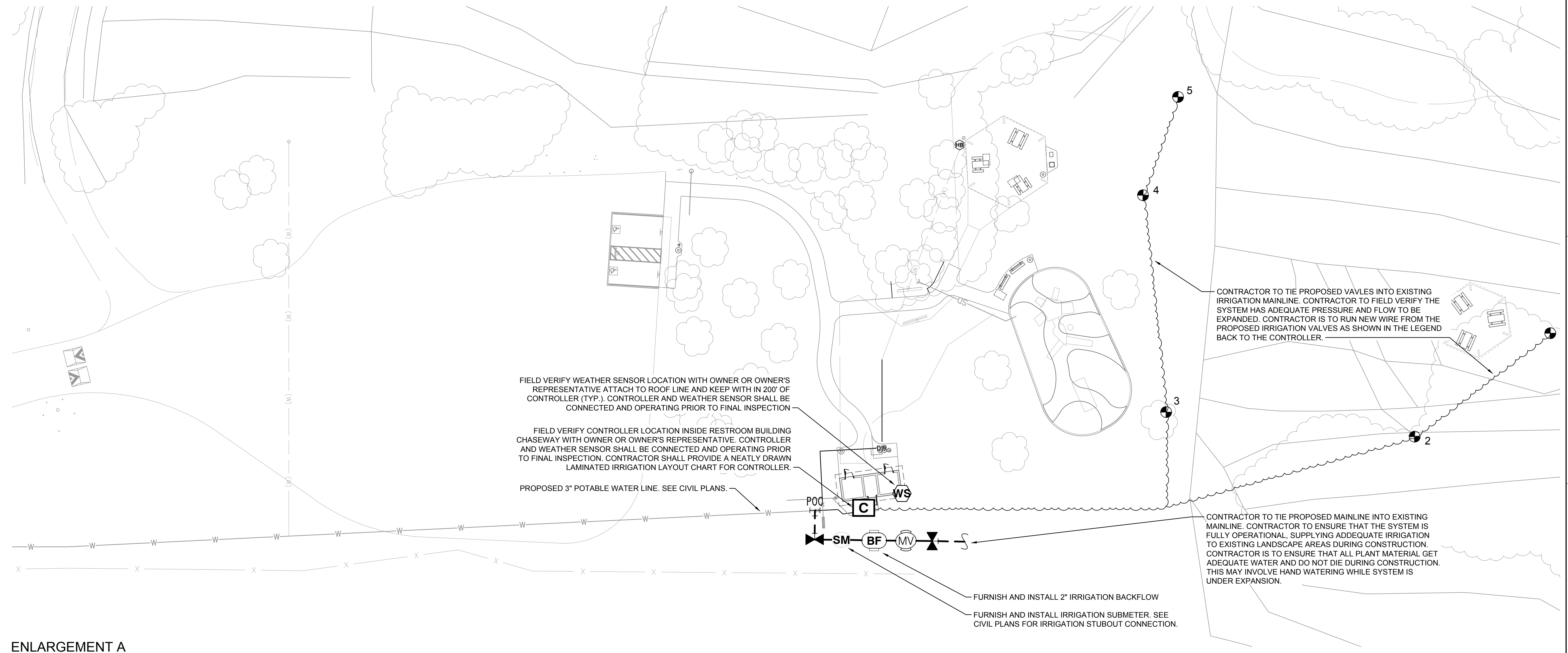
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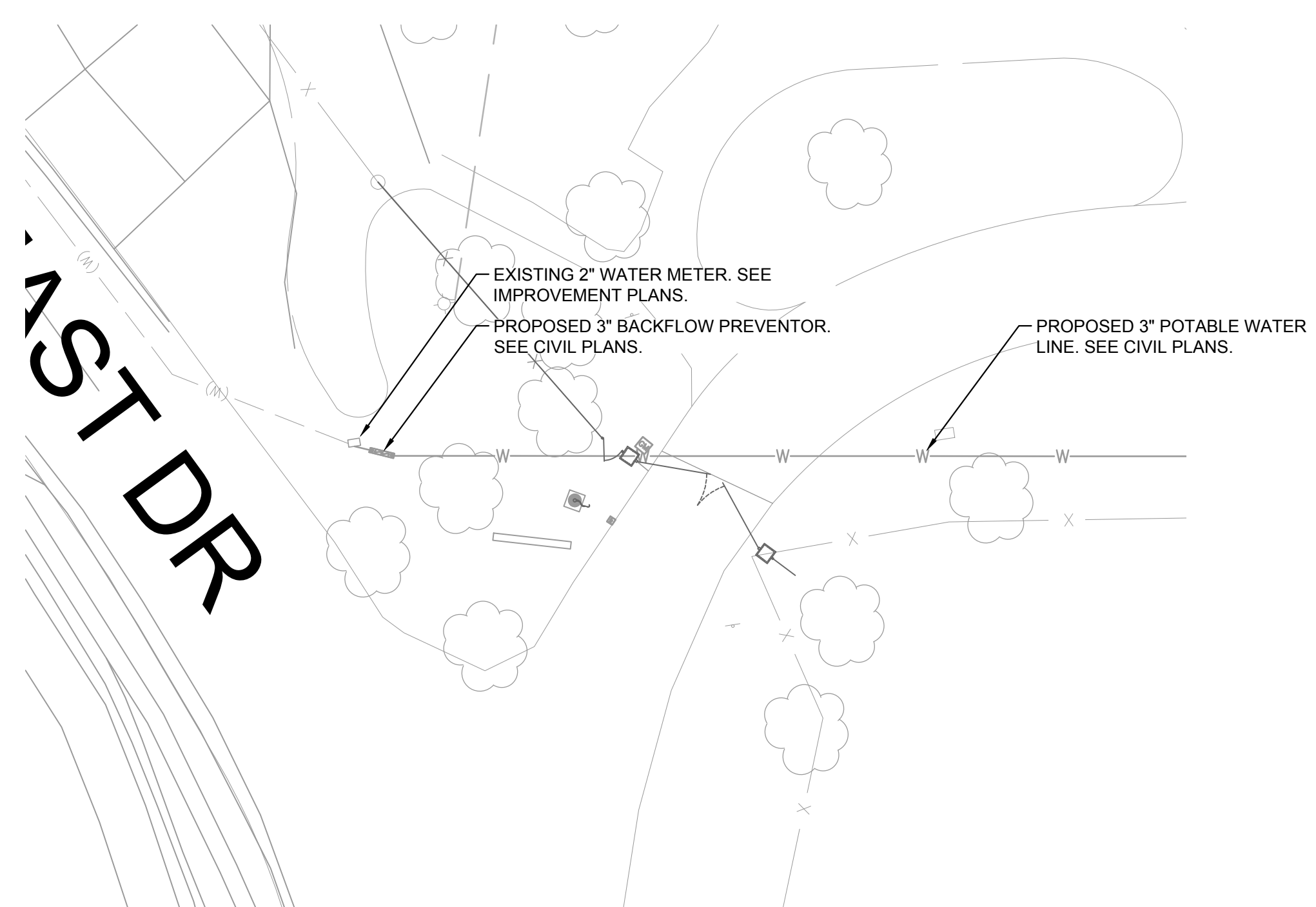
SHEET
IRRIGATION PLAN

SHEET NUMBER

IR-100



ENLARGEMENT A



ENLARGEMENT B

IRRIGATION LEGEND

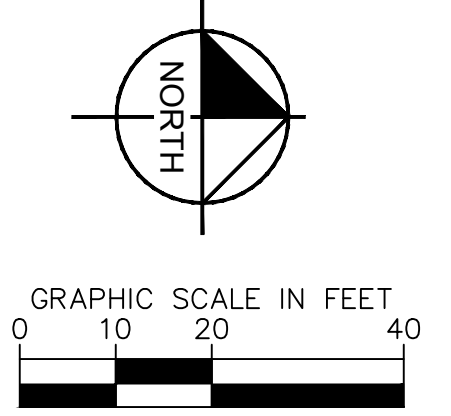
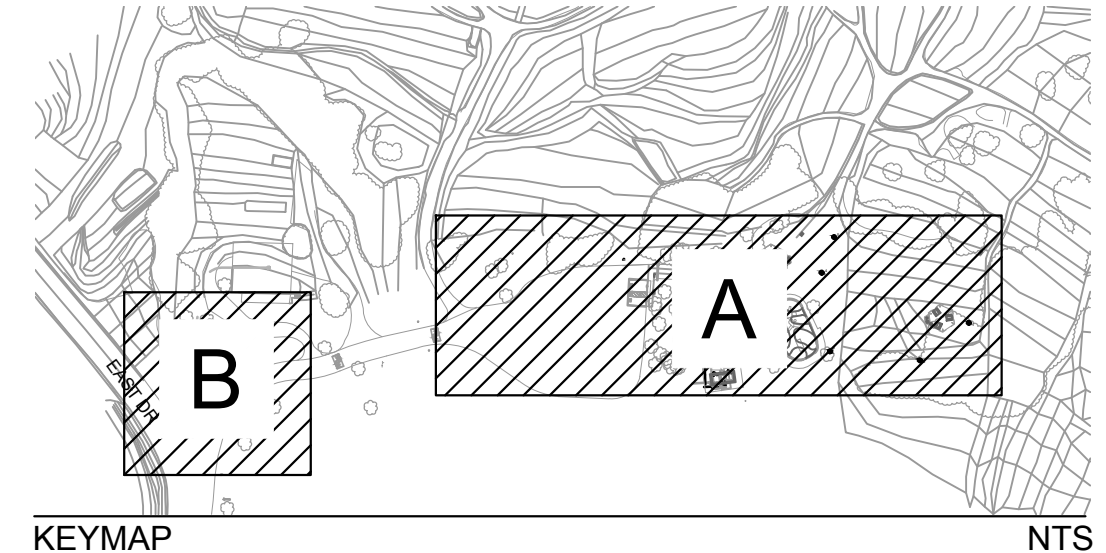
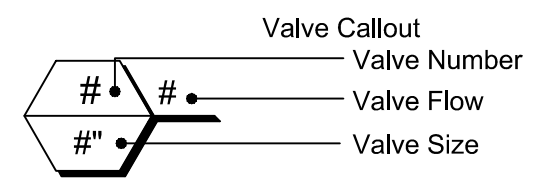
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
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⊕B	SUPERIOR 1402 INVERTED NOSE GARDEN VALVE. 3/4IN. X 1IN. FEMALE NPT HOSE BIBB, RED BRASS.	1
⊕	NIBCO T-113 CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4IN. - 3IN.	2
⊕V	HUNTER IBV 2" 1IN., 1-1/2IN., 2IN., AND 3IN. BRASS ELECTRIC MASTER VALVE, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE.	1
⊕F	FEBCO 825YA 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
⊕C	HUNTER I2C-1600-M 16 STATION OUTDOOR MODULAR CONTROLLER. WITH ONE ICM-800 MODULE. COMMERCIAL USE. METAL CABINET.	1
⊕WS	HUNTER WSS WIRELESS SOLAR, RAIN FREEZE SENSOR WITH OUTDOOR INTERFACE, CONNECTS TO HUNTER PCC, PRO-C, AND I-CORE CONTROLLERS, INSTALL AS NOTED. INCLUDES 10 YEAR LITHIUM BATTERY AND RUBBER MODULE COVER, AND GUTTER MOUNT BRACKET.	1
SM	HUNTER HC-200-FLOW (SUB METER) 2IN. FOR USE WITH HYDRAWISE ENABLED CONTROLLER TO MONITOR FLOW AND PROVIDE SYSTEM ALERTS. ALSO FUNCTIONS AS STAND ALONE FLOW TOTALIZER/SUB METER ON ANY RESIDENTIAL OR COMMERCIAL IRRIGATION SYSTEM.	1
PCC	POINT OF CONNECTION 2"	1

NOTE:

1. THE CONTRACTOR SHALL ADJUST, RELOCATE, SALVAGE, REINSTALL AND/OR FURNISH AND INSTALL NEW IRRIGATION COMPONENTS IN LIKE KIND FOR ANY ADJACENT EXISTING IRRIGATION SYSTEM(S) IMPACTED BY THESE IMPROVEMENTS AND ENSURE THAT THEY ARE IN FULL WORKING ORDER PRIOR TO PROJECT COMPLETION. ANY IRRIGATION THAT IS REMOVED DURING THE CONSTRUCTION PROCESS SHALL BE CAPPED IN A MANNER THAT THE REMAINING PORTIONS OF THE SYSTEM ARE NOT COMPROMISED. EXISTING IRRIGATION LATERAL LINES, HEADS, WIRING AND ALL OTHER ASSOCIATED EQUIPMENT IMPACTED BY THE PROJECT CONSTRUCTION SHALL BE CAREFULLY CUT, CAPPED AND RELOCATED TO EXISTING LANDSCAPE AREAS. PRIOR TO COMPLETION, CONTRACTOR SHALL ENSURE THAT ALL EXISTING IRRIGATION SYSTEMS IMPACTED ARE IN FULL WORKING ORDER WITH COMPLETE HEAD TO HEAD COVERAGE INCLUDING NO OVERSPRAY ONTO HARDSCAPE SURFACES OR WALLS. ANY IRRIGATION EQUIPMENT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN LIKE KIND.

2. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY IRRIGATION TO ANY AREA AFFECTED BY THE PROPOSED IMPROVEMENTS UNTIL COMPLETION OF CONSTRUCTION.

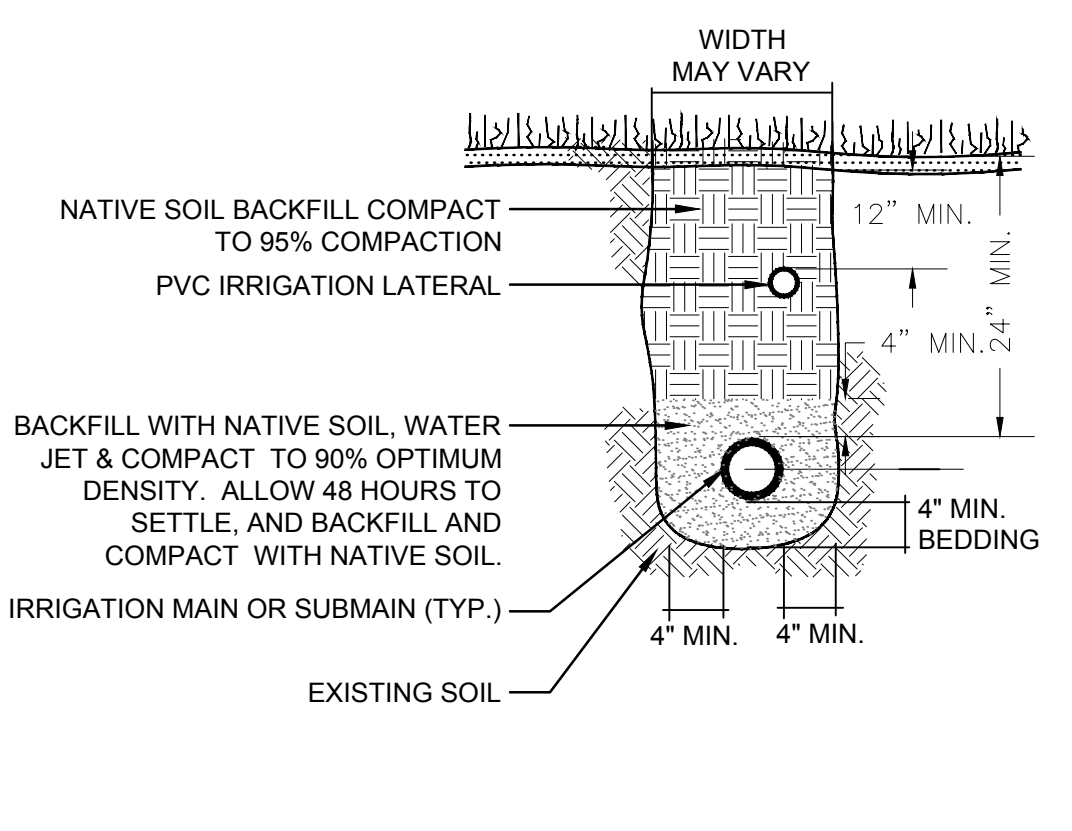
--- IRRIGATION MAINLINE: PVC SCHEDULE 40



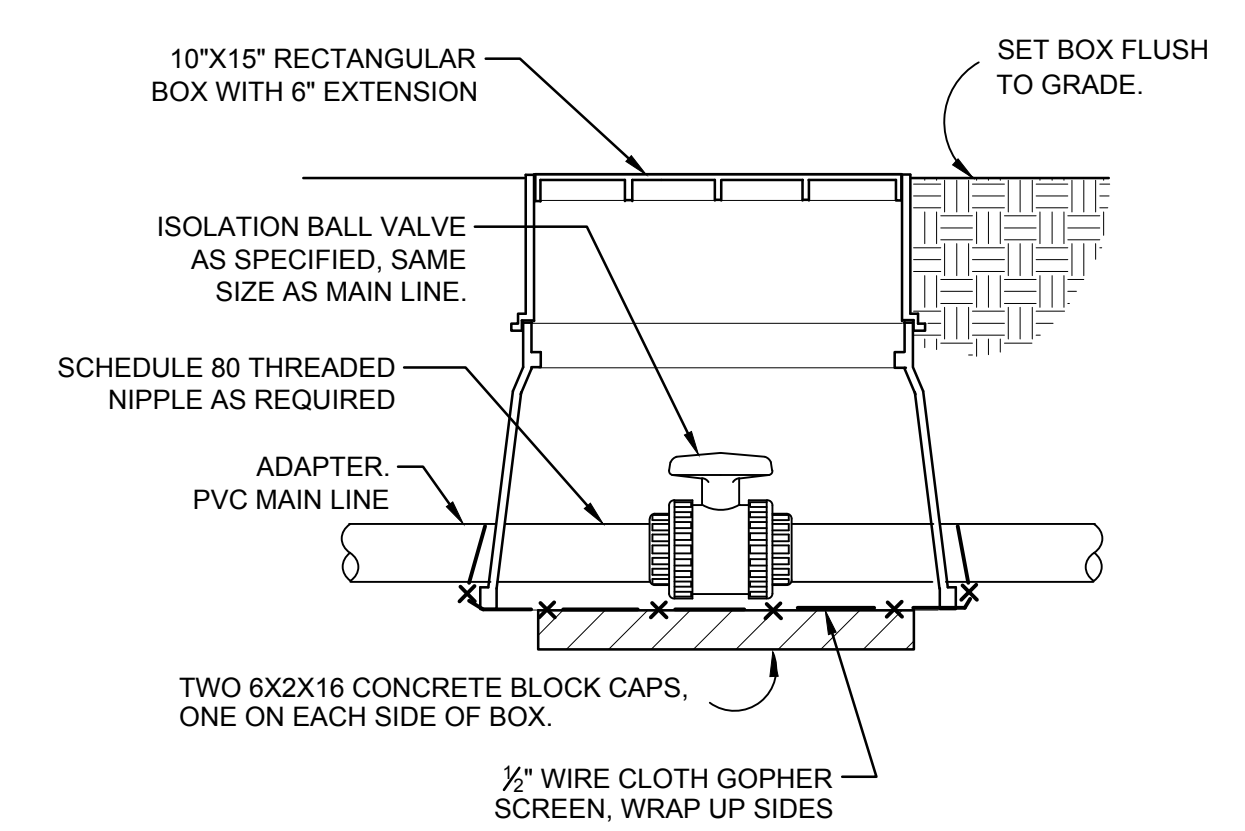
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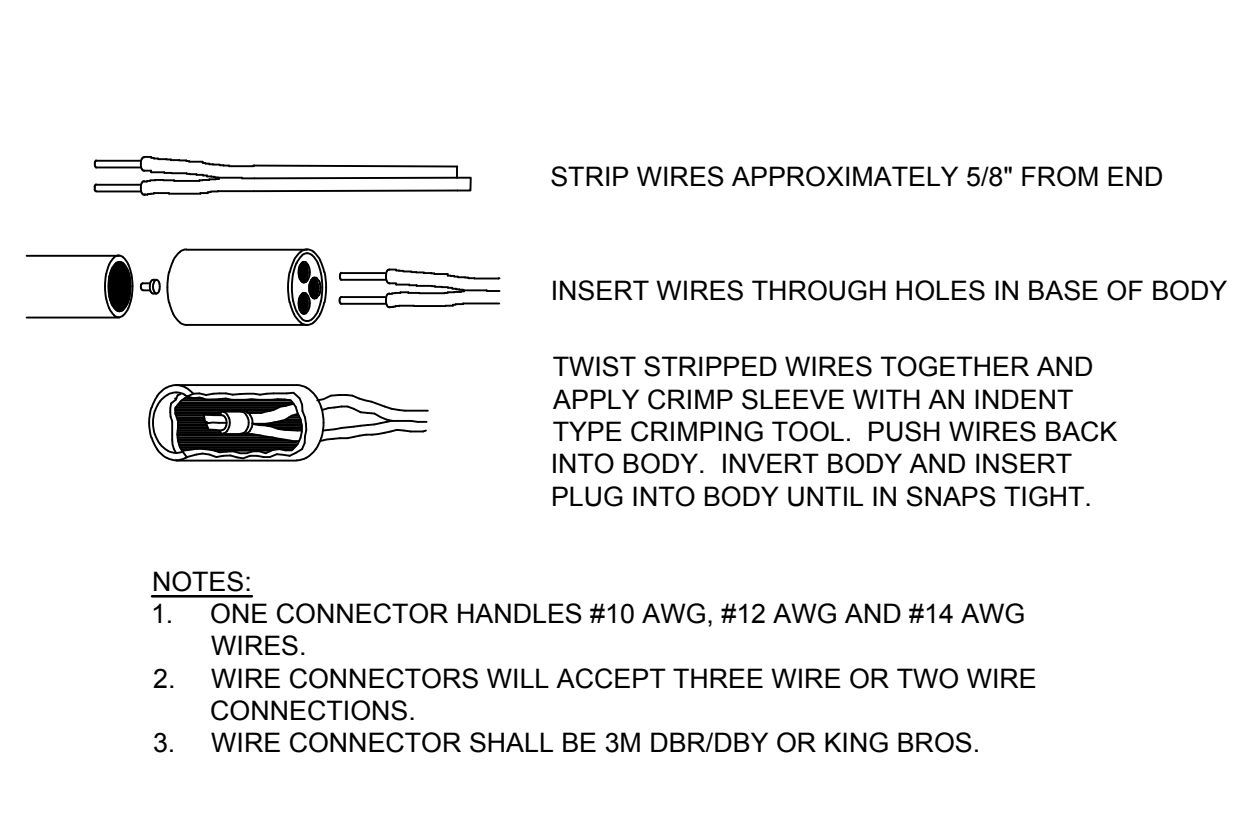
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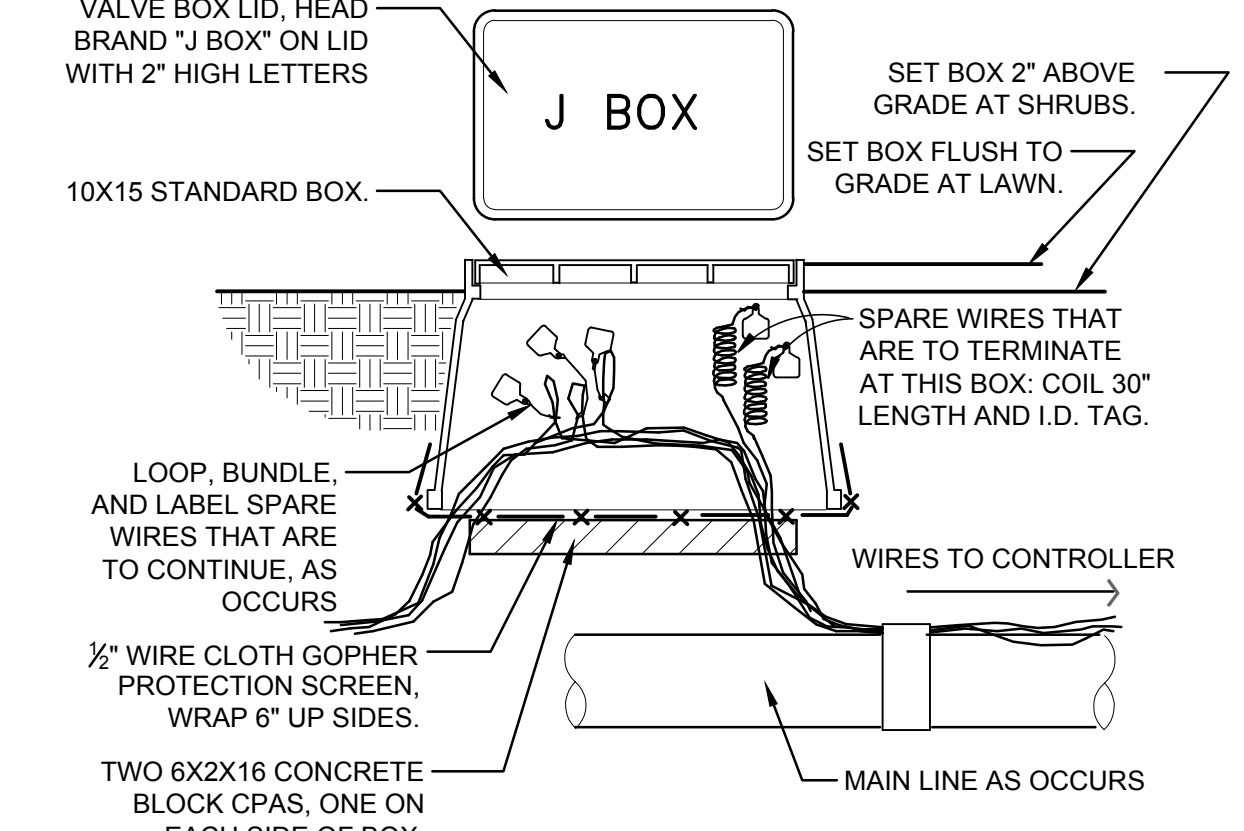
1 TRENCHING DETAIL N.T.S.



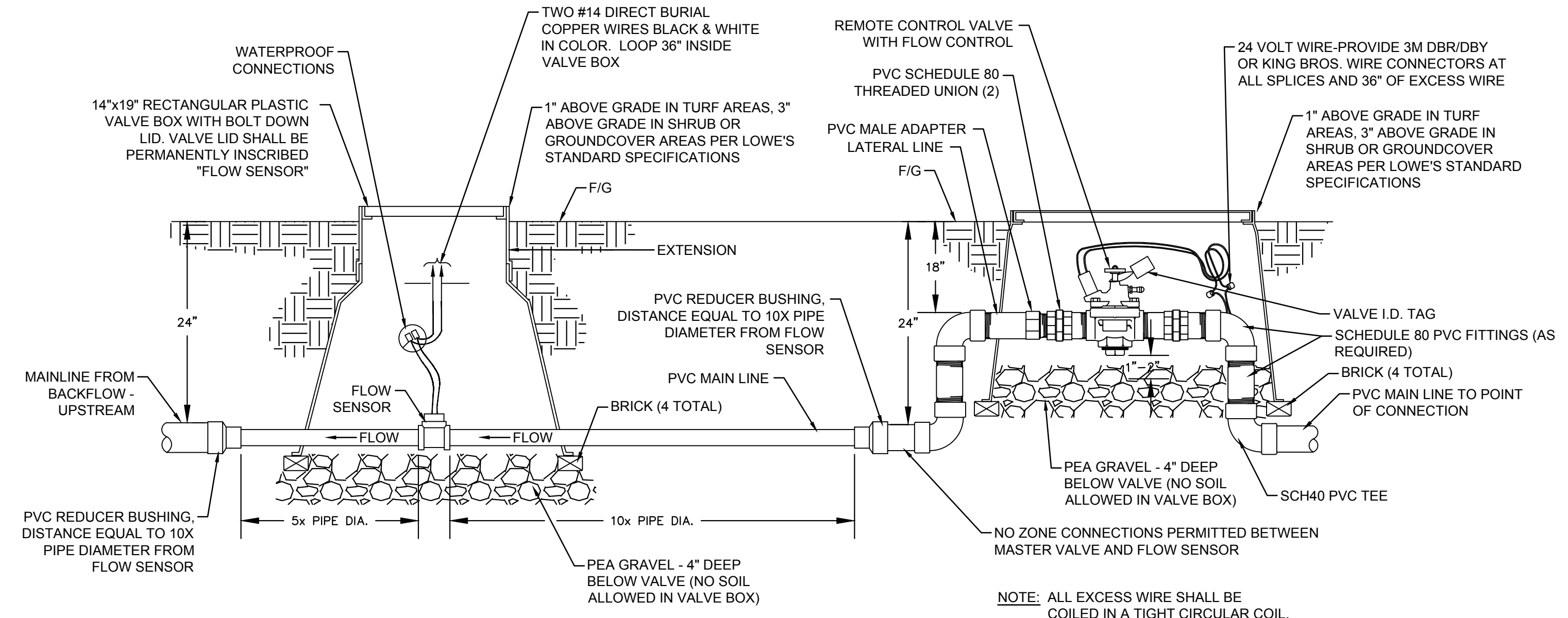
2 SHUT OFF VALVE N.T.S.



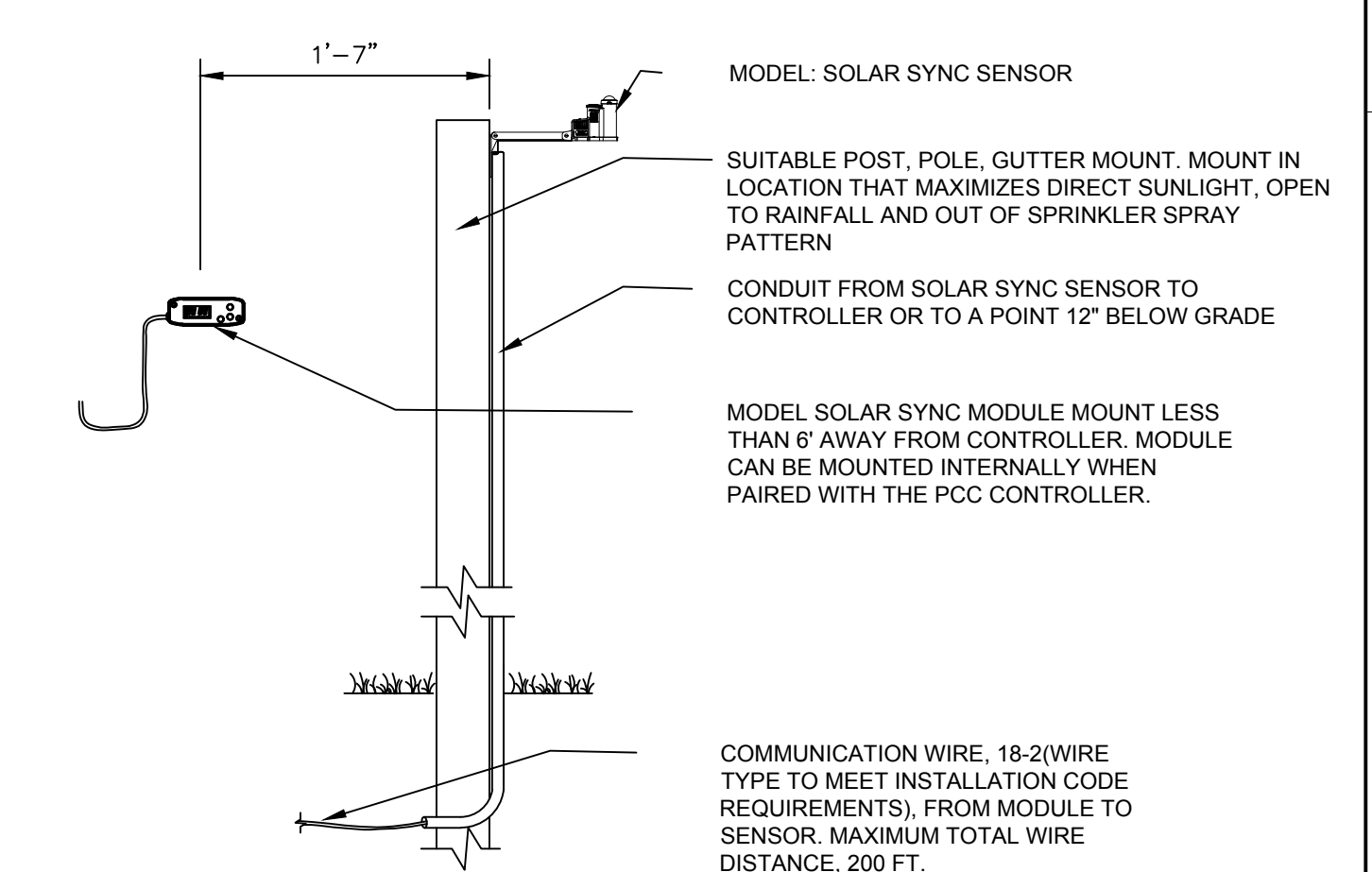
3 WIRE CONNECTION N.T.S.



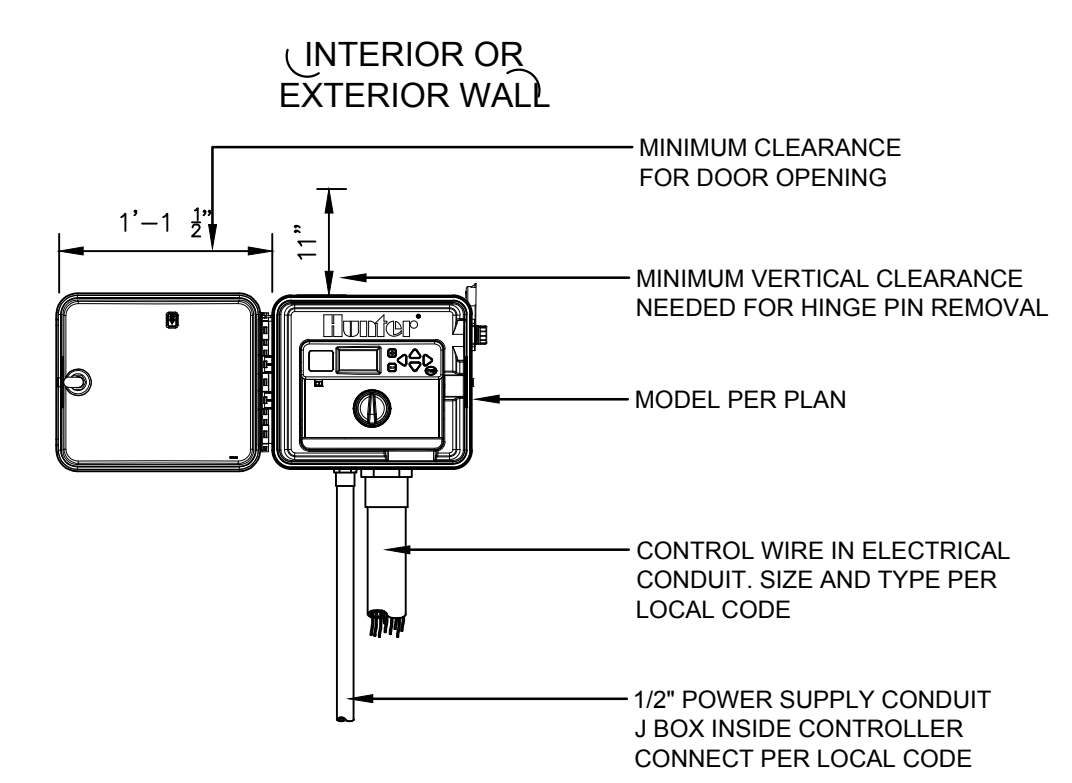
4 WIRE BUNDLE JUNCTION BOX N.T.S.



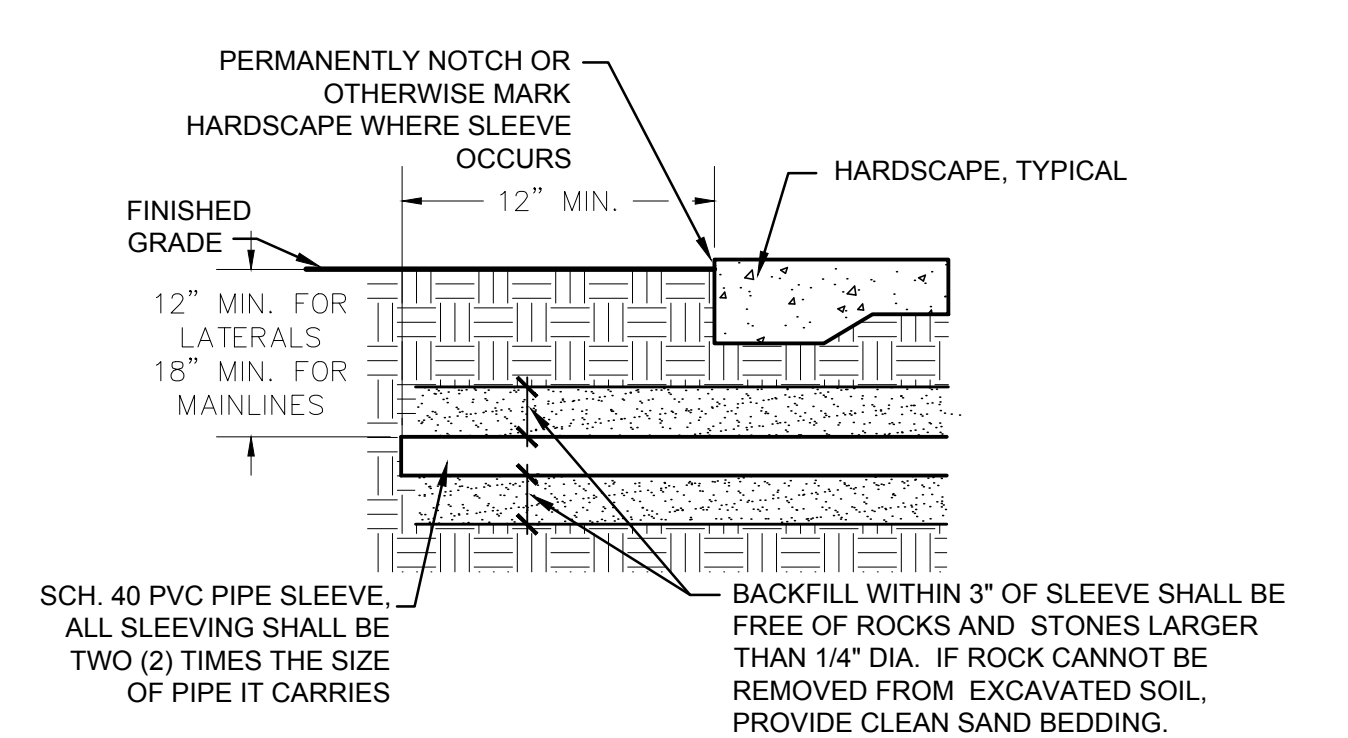
5 FLOW SENSOR AND MASTER REMOTE CONTROL VALVE INSTALLATION N.T.S.



6 WEATHER SENSOR N.T.S.



7 IRRIGATION CONTROLLER N.T.S.



8 PIPE SLEEVE N.T.S.



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**KABIAN PARK
IMPROVEMENTS
COUNTY OF RIVERSIDE
28001 GOETZ ROAD
QUAIL VALLEY, CA 92587**

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
△	06/13/2024	FOR BID

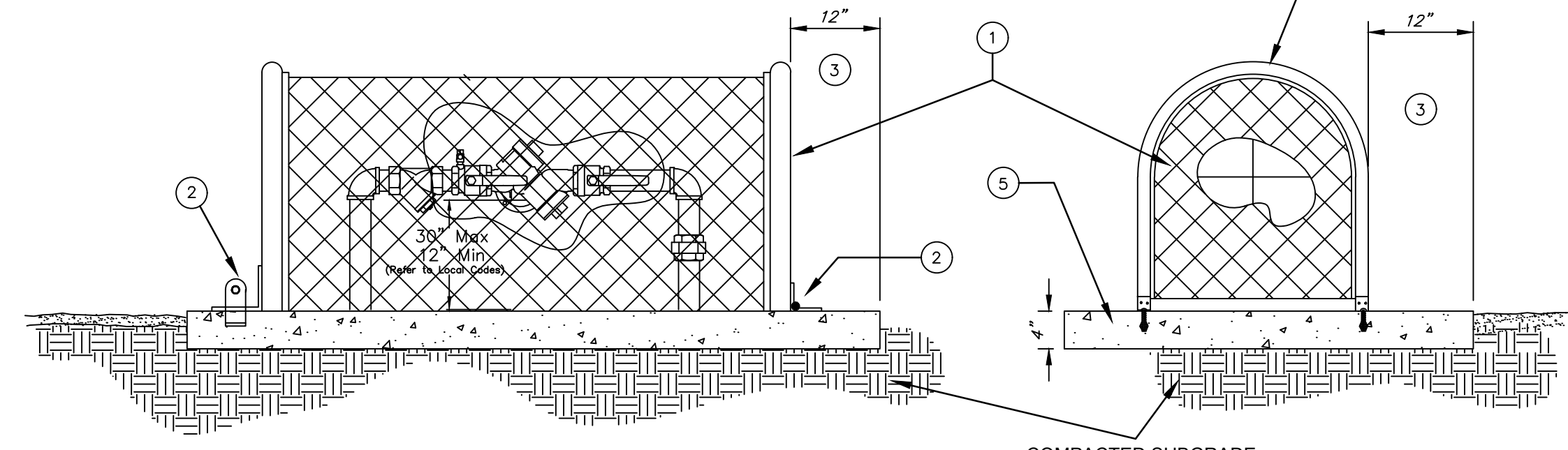
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SHEET IRRIGATION DETAILS	
SHEET NUMBER	

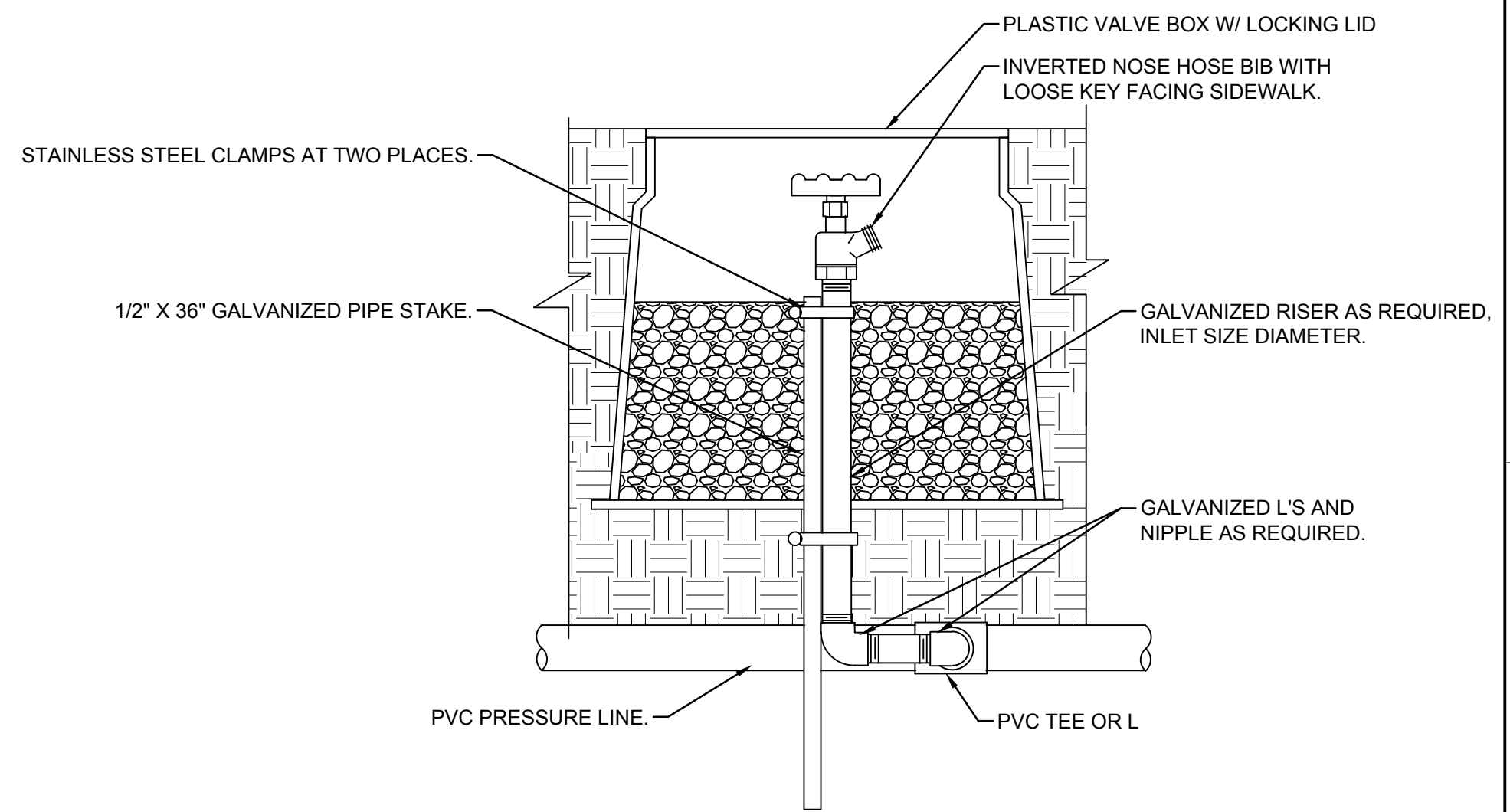
IR-200

BACKFLOW PREVENTION DEVICE NOTES

1. PROVIDE PRE-MANUFACTURED ENCLOSURE SIZED TO FIT RPBP UNIT SPECIFIED. ACCEPTABLE MANUFACTURERS ARE LEMEURE "BF" SERIES, BPD1 "GUARDSHACK" UNITS, OR APPROVED EQUAL.
2. MODIFY PRE-MANUFACTURED UNITS FASTENING SYSTEMS WITH HEAVY DUTY HINGES AND ANCHORING BOLT SYSTEM. SUBMIT SHOP DRAWINGS FOR APPROVAL.
3. PAD TO BE 1' MIN. LARGER THAN ENCLOSURE.
4. SUBMIT CUT SHEETS FOR APPROVAL. UNIT TO HAVE POWDER COATED PAINT FINISH, COLOR SELECTED FROM MANUFACTURER'S STD. COLORS.
5. CONCRETE PAD FOR ENCLOSURE TO BE MAG B CONCRETE. COMPACT SUBGRADE TO 95% OF OPTIMUM MOISTURE.



1 BACKFLOW PREVENTION DEVICE N.T.S.

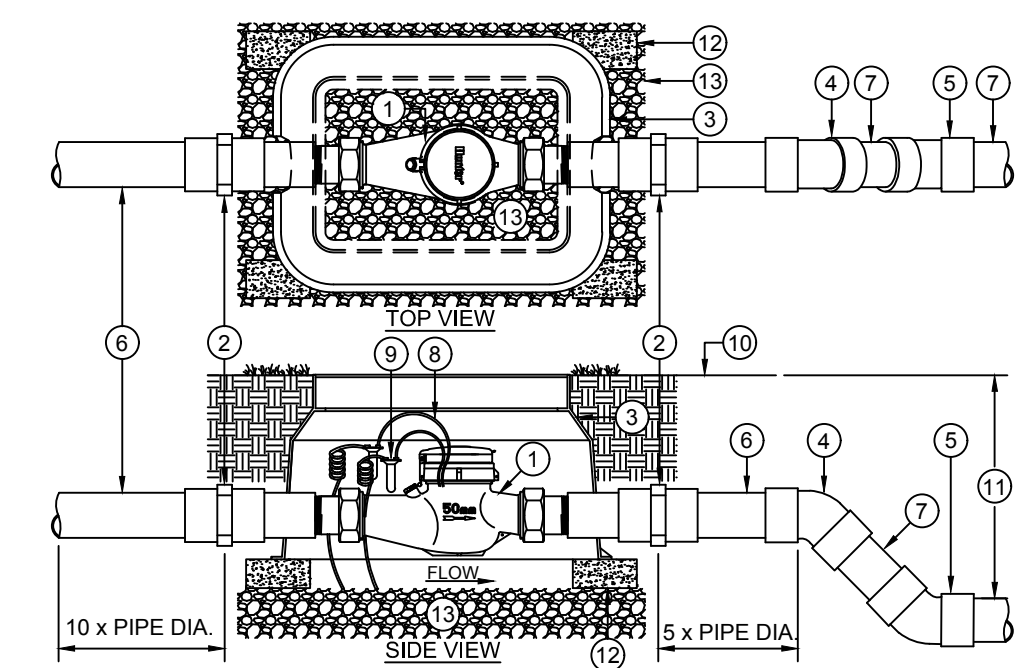


2 HOSE BIB N.T.S.

NOTE: INLET PIPE ENTERING METER: LENGTH MUST BE A MIN. OF 10 X PIPE DIA.
 OUTLET PIPE LEAVING METER: LENGTH MUST BE MIN. OF 5 X PIPE DIA.
 INLET AND OUTLET PIPE MUST BE STRAIGHT PIPE WITH NO FITTINGS OR TURNS UNTIL AFTER THESE SPECIFIED LENGTHS. PIPE AND FITTINGS MAY BE SCH 80 PVC SOLVENT WELD, THREADED SCH 80 PVC OR BRASS, AS REQUIRED FOR PROJECT.

DETAIL LEGEND:

- 1 HUNTER HC FLOW METER HC-200 WITH UNION CONNECTIONS
- 2 SCH 80 PVC FEMALE ADAPTER (S X T)
- 3 RECTANGULAR VALVE BOX PER SPECIFICATIONS
- 4 SCH 80 PVC 45 DEGREE ELBOW (S X S) TO LOWER MAIN LINE TO PROPER DEPTH (SIZE FOR LARGER MAIN LINE AS NEEDED)
- 5 SCH 80 PVC 45 DEGREE ELBOW (S X S) TO LOWER MAIN LINE TO PROPER DEPTH
- 6 2" DIA. (80 mm) MAIN LINE AT INLET & OUTLET
- 7 MAIN LINE TO SYSTEM (SEE LEGEND AND PLANS FOR TYPE AND SIZE)
- 8 TWO WIRES TO FLOW SENSOR TERMINALS AT CONTROLLER. MIN. 18 AWG (1.2 mm) SHIELDED WIRE WITH DIFFERENT COLOR FROM CONTROL/Common WIRE.
- 9 WEATHERPROOF WIRE CONNECTOR
- 10 FINISH GRADE
- 11 SPECIFIED SOIL COVER (SEE LEGEND)
- 12 COMMON BRICK
- 13 GRAVEL BASE, 6" (15 cm) DEEP



3 HC-200 FLOW METER (2"/50 mm) IRRIGATION DETAIL NOT TO SCALE



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IR-201

Plotted By: Koopf, Rondall Sheet Set: Kho Layout: IR-201 May 13, 2024 08:11:46am K:\ORA_DEV\194254101 - Kabian Park Improvements\CAD\PlanSheets\IRRIGATION DETAILS.dwg



Plotted By Thomson, Jared Sheet Set:Kha Layout:E-1.00 - General Notes & Legend April 23, 2024 01:32:10pm K:\ORA_LDE\194254101 - Kabian Park Improvements\CAD\PlanSheets\ELECTRICAL_PLAN.dwg

ELECTRICAL GENERAL NOTES

- THE SUBMISSION OF A BID BY THE CONTRACTOR IS NOTIFICATION THAT THE CONTRACTOR HAS TOTALLY FAMILIARIZED HIMSELF WITH THE CONTRACT DOCUMENTS AND EXISTING SITE CONDITIONS AND HAS AGREED TO PROVIDE THE NECESSARY LABOR AND MATERIAL FOR THE COMPLETE INSTALLATION OF EACH SYSTEM IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST PRACTICES OF THE INDUSTRY AND IN COMPLIANCE WITH ALL AUTHORITIES HAVING JURISDICTION.
- THESE DRAWINGS ARE PRESENTED TO THE CONTRACTOR WITH THE UNDERSTANDING THAT THE CONTRACTOR IS AN EXPERT AND COMPETENT IN THE PREPARATION OF CONTRACT BID PRICES ON THE BASIS OF INFORMATION SUCH AS IS CONTAINED IN THESE DOCUMENTS. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION AND IN COMPLETE CONFORMANCE WITH ALL APPLICABLE CODES, RULES, AND REGULATIONS. MINOR ITEMS NOT USUALLY SHOWN OR SPECIFIED, BUT MANIFESTLY NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE VARIOUS SYSTEMS, SHALL BE INCLUDED IN THE WORK AND IN THE PROPOSAL THE SAME AS IF SPECIFIED OR SHOWN ON THE DRAWINGS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFOR SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO DEPARTURES SHALL BE MADE WITHOUT PRIOR APPROVAL.
- THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS IN THE FIELD, AND SHALL ADVISE THE OWNER OF ANY DISCREPANCIES BEFORE PERFORMING THE WORK.
- THE DRAWINGS INDICATE ARRANGEMENTS AND APPROXIMATE SIZES AND RELATIVE LOCATIONS OF PRINCIPAL APPARATUS, EQUIPMENT, DEVICES, AND SERVICES TO BE PROVIDED. DRAWINGS ARE DIAGRAMMATIC AND ARE A GRAPHIC REPRESENTATION OF CONTRACT REQUIREMENTS BASED ON THE INFORMATION PROVIDED BY THE MANUFACTURER IDENTIFIED IN THE EQUIPMENT SCHEDULE AT THE SCALE INDICATED.
- LAYOUT OF EQUIPMENT INDICATED ON THE DRAWINGS SHALL BE CHECKED AND COMPARED AGAINST ALL DRAWINGS AND SPECIFICATIONS OF ALL TRADES AND EXACT LOCATIONS DETERMINED USING APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT. WHERE PHYSICAL INTERFERENCES OCCUR, CONSULT WITH THE OWNER AND PREPARE DATED, DIMENSIONED DRAWINGS COORDINATED WITH ALL OTHER TRADES WORKING IN THIS AREA AND CORRECTING SUCH INTERFERENCE.
- THE CONTRACTOR SHALL SCHEDULE THEIR WORK IN ACCORDANCE WITH THE CONSTRUCTION SCHEDULE SO THAT ALL OF THEIR WORK CAN BE INSTALLED WITHOUT DELAYING THE PROJECT. ALL WORK RELATED TO SHUTDOWN OF EXISTING SERVICES SHALL BE PERFORMED AT THE HOURS DESIGNATED BY THE OWNER WITH ALL ASSOCIATED COSTS BORN BY THE CONTRACTOR AT NO COST TO THE OWNER. PROVIDE ANY TEMPORARY FACILITIES REQUIRED TO PERMIT OWNER'S USE OF EXISTING FACILITIES AND SYSTEMS TO REMAIN UNDISTURBED. COORDINATE ALL WORK, INCLUDING ALL SHUTDOWNS THAT AFFECT SYSTEMS AND/OR PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION, WITH OWNER.
- THE CONTRACTOR SHALL SECURE AND PAY ALL FEES, LICENSES, INSPECTIONS, AND PERMITS PERTAINING TO THE CONTRACT. SUBMIT TO OWNER DUPLICATE CERTIFICATES OF INSPECTION FROM APPROVED INSPECTION AGENCY.
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORKMEN'S IDENTIFICATION AND BADGING, SAFETY AND FIRE PROTECTION, BARRICADES, WARNING SIGNS, TRASH REMOVAL, CUTTING AND PATCHING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RIGGING, HANDLING, AND PROTECTION OF MATERIALS. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND WITHOUT BLEMISH OR DEFECT. ALL EQUIPMENT INSTALLED SHALL BEAR THE LABEL OF AN APPROVED AGENCY.
- THE CONTRACTOR SHALL PROVIDE LABOR TO RECEIVE, UNLOAD, STORE, PROTECT, AND TRANSFER TO POINT OF INSTALLATION FOR ALL FURNISHED ITEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY, STORAGE, AND HANDLING OF ALL MATERIALS AND EQUIPMENT PRIOR TO FINAL ACCEPTANCE. ANY DAMAGED MATERIAL OR EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SLAB OPENINGS, BEAM PENETRATIONS, AND CORING AS IT RELATES TO THEIR WORK. THE CONTRACTOR SHALL SUBMIT SIZE AND LOCATION FOR REVIEW AND APPROVAL.
- THE CONTRACTOR SHALL SUBMIT SCHEDULE OF SUBMITTALS PRIOR TO SUBMITTING ANY SHOP DRAWINGS, ETC. TO BE SUBMITTED FOR THIS PROJECT, INCLUDING THE ANTICIPATED DATE OF EACH SUBMISSION. CONTRACTORS SHALL SUBMIT AN ELECTRONIC COPY OF THE COMPLETE SHOP DRAWINGS AND CATALOG CUTS, WIRING DIAGRAMS AND ASSOCIATED DATA TO THE OWNER FOR APPROVAL PRIOR TO PURCHASING EQUIPMENT OR STARTING ANY WORK. ANY WORK INSTALLED OR EQUIPMENT PURCHASED PRIOR TO RECEIPT OF OWNER APPROVED SUBMITTALS SHOP DRAWINGS THAT REQUIRES CHANGES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
- SUBMIT CATALOG INFORMATION, FACTORY ASSEMBLY DRAWINGS AND FIELD INSTALLATION DRAWINGS AS REQUIRED FOR A COMPLETE EXPLANATION AND DESCRIPTION OF ALL ITEMS TO BE PROVIDED. THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS. NO SUBMISSION WILL BE ACCEPTED WITHOUT THE SIGNED APPROVAL OF THE CONTRACTOR. THE CONTRACTOR SHALL CHECK AND VERIFY ALL FIELD MEASUREMENTS.



- UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL SUPPLY THE OWNER WITH (1) COMPLETE BOUND COPY OF ALL OWNER APPROVED SUBMITTALS AND ALL OPERATION AND MAINTENANCE MANUALS
- ALL WORK FURNISHED UNDER THE CONTRACT SHALL BE GUARANTEED AGAINST ANY AND ALL DEFECTS IN WORKMANSHIP AND/OR MATERIALS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE INSTALLATION, UNLESS NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS, AND ANY DEFECTS OF WORKMANSHIP DEVELOPING DURING THIS PERIOD SHALL BE REMEDIED AND ANY DEFECTIVE MATERIAL REPLACED WITHOUT ADDITIONAL COST TO THE OWNER.
- INSTALLED SYSTEMS SHALL OPERATE UNDER ALL CONDITIONS OF LOAD WITHOUT SOUND OR VIBRATION THAT IS OBJECTABLE TO THE OWNER. OBJECTABLE SOUND OR VIBRATION CONDITIONS DUE TO WORKMANSHIP SHALL BE CORRECTED IN APPROVED MANNER BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL SIMILARLY NOTIFY OWNER OF COMPLETION OF ALL WORK, INDICATING THE CONTRACTOR IS READY FOR THE OWNER TO PERFORM THE FINAL PUNCHLIST INSPECTION.
- UPON COMPLETION OF ALL UNFINISHED OR FAULTY WORK NOTED IN THE OWNER'S FINAL PUNCH LIST, THE CONTRACTOR SHALL SUBMIT TO THE OWNER IN WRITING A LETTER OF COMPLETION CERTIFYING THAT ALL PUNCH LIST ITEMS HAVE BEEN COMPLETED AND ALL AS-BUILTS, MANUALS, ETC. HAVE BEEN SUBMITTED.
- SHOULD A CONTRACTOR REQUIRE REMOVAL, RELOCATION, OR SERVICING OF ANOTHER TRADE'S WORK THAT IS NOT INDICATED ON DRAWINGS, THE CONTRACTOR REQUIRING SUCH WORK SHALL BE RESPONSIBLE FOR THAT WORK, AND PAY ALL REQUIRED COSTS.
- ALL WORK INVOLVING ALTERATIONS TO EXISTING SYSTEMS, EQUIPMENT, AND MATERIALS SHALL BE REVIEWED WITH THE OWNER BEFORE BEGINNING WORK.
- DEFINITION: UNLESS OTHERWISE NOTED, ALL WORK SPECIFIED HEREIN OR NOTED ON DRAWINGS, SHALL BE BY THE CONTRACTOR. THE TERM "PROVIDE" WHENEVER ENCOUNTERED ON DRAWINGS OR IN THESE SPECIFICATIONS, SHALL MEAN "FURNISH AND INSTALL."
- CODES AND STANDARDS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS AND FIRE INSURANCE CARRIER'S REQUIREMENTS.
- MATERIALS: ALL MATERIALS FURNISHED BY THIS CONTRACTOR, SHALL BE NEW AND BEAR THE LABEL OR LISTING OF A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY.
- OUTLET AND SWITCH BOXES: PROVIDE AND INSTALL OUTLET BOXES OF PROPER TYPE AND SIZE AS REQUIRED AT ALL OUTLETS WHERE SHOWN. DEVICES SHALL BE SECURED FIRMLY IN PLACE AND SET TRUE AND SQUARE AND FLUSH WITH THE FINISHED SURFACE.
- WIRING: WIRES SHALL BE COPPER AND RATED FOR THE LOCATIONS IN WHICH THEY ARE INSTALLED. ALL RACEWAYS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATION TO BE DETERMINED ON THE JOB. CONTRACTOR SHALL ARRANGE ALL NEW CIRCUITS IN PANELS SO AS TO BALANCE THE LOAD ON ALL PHASES.
- A TYPED DIRECTORY CARD SHALL BE PROVIDED IN EACH PANEL WITH ADDED CIRCUITS TO INDICATE THE LOADS ACTUALLY SERVED.
- GROUNDING: SHALL BE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 250. PROVIDE GROUND WIRES AS REQUIRED AND RESIZE CONDUIT IF NECESSARY.
- DEMONSTRATION OF COMPLETE ELECTRICAL SYSTEMS: UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL OBTAIN A CERTIFICATE OF APPROVAL FROM THE RESPECTIVE INSPECTION AGENCIES. CONTRACTOR SHALL NOTIFY AND MAKE ALL THE NECESSARY ARRANGEMENTS WITH THE INSPECTING AGENCY AND LOCAL AUTHORITIES SO THAT INSPECTION MAY BE CARRIED OUT AT THE PROPER TIME.
- THE CONTRACTOR SHALL PROVIDE A UTILITY LOCATOR AND VERIFY THE ACTUAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES IN PLACE UNLESS NOTED OR SPECIFIED OTHERWISE. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE ALL PROPERTY, LANDSCAPING, PAVING AND DRIVEWAYS THAT ARE DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION.
- THE PLANS SHOW THE GENERAL PATH AND LOCATION OF CONDUIT AND PULL BOXES IN RELATION TO MAJOR PHYSICAL FEATURES. THE CONTRACTOR SHALL NOTE THAT ELEMENT LOCATIONS ARE APPROXIMATE AND MAY CHANGE DURING CONSTRUCTION. THESE CHANGES MAY RESULT IN CHANGES TO CONDUIT LENGTHS ALONG WITH MINOR QUANTITY CHANGES.
- HOLES, CAVITIES, TRENCHES, AND DEPRESSIONS RESULTING FROM THE REMOVAL OF STRUCTURES OR OBSTRUCTIONS, EXCEPT IN AREAS TO BE EXCAVATED, SHALL BE BACKFILLED WITH SUITABLE MATERIAL WHICH SHALL BE COMPACTED TO A DENSITY OF NOT

- LESS THAN 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D698, D-2922 AND D-3017. SURPLUS EXCAVATION MATERIALS SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR.
- FOR MATERIAL INSTALLED AND/OR WORK PREFORMED PRIOR TO APPROVAL, THE CONTRACTOR SHALL BE LIABLE FOR ITS REMOVAL AND REPLACEMENT AT NO ADDITIONAL COST IF IN THE OPINION OF THE ENGINEER, THE MATERIAL OR EQUIPMENT DOES NOT MEET THE INTENT OF THE PLANS AND/OR SPECIFICATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY, STORAGE, AND HANDLING OF ALL MATERIALS AND EQUIPMENT PRIOR TO FINAL ACCEPTANCE. ANY DAMAGED MATERIAL OR EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- PRIOR TO ACCEPTANCE, THE CONTRACTOR SHALL ENERGIZE AND OPERATE THE ENTIRE LIGHTING SYSTEM, FROM SUNSET TO SUNRISE FOR TWO (2) CONSECUTIVE DAYS WITHOUT INTERRUPTION OR FAILURE. IF ANY EQUIPMENT OR MATERIAL SHOULD FAIL, IT SHALL BE REPLACED IMMEDIATELY AND RETESTED.
- "AS-BUILT" DRAWING REQUIREMENTS SHALL CONSIST OF RECORDING, BY THE CONTRACTOR, ANY CHANGE OR DEVIATION ON A SET OF APPROVED PLANS. PLANS SHALL BE FURNISHED TO THE INSPECTOR AT THE COMPLETION OF THE PROJECT. CONTRACTOR SHALL COORDINATE INSPECTION WITH ENGINEER OF RECORD. FINAL PAYMENT SHALL NOT BE MADE UNTIL THE AS-BUILT PRINTS ARE ACCEPTED BY THE ENGINEER OF RECORD.
- CIRCUIT CONDUCTORS #2 AWG OR SMALLER TO BE COPPER TYPE "XHHW" FOR BELOW GRADE INSTALLATION OR COPPER TYPE THHN/THWN FOR ABOVE GRADE INSTALLATIONS. #1 AWG OR LARGER SHALL BE COPPER TYPE "XHHW-2" STRANDED COPPER.
- ALL ELBOWS AND EXPOSED RISERS SHALL BE WRAPPED RIGID STEEL CONDUIT.
- UNDERGROUND CONDUIT (GENERAL REQUIREMENTS: ABOVE, BELOW, AND IN THE PIPE ZONE(S)).
 - PIPE: RIGID NONMETAL CONDUIT (RNC):
 - PROVIDE A MINIMUM SIZE OF 1/2 INCH.
 - PROVIDE THE MINIMUM STRENGTH OF SCHEDULE 40.
 - RNC SHALL HAVE MARKETING FOR "UNDERGROUND" & "SUNLIGHT" USE.
 - RNC SHALL BE ASSEMBLED BY USING AN APPROVED CLEANER AND CEMENT.
 - RNC SHALL SLOPE TO PULL BOXES.
 - CONDUIT SHALL BE SUPPORTED BY INTERLOCKING CHAIRS A MAXIMUM SPACING OF 5'.
 - SPACING BETWEEN CONDUITS SHALL BE A MINIMUM OF 3".
 - RISERS: GALVANIZED RIGID METAL CONDUIT:
 - WRAP 20 MIL PVC TAPED AROUND THE GALVANIZED RIGID METAL RISER ELBOWS THE ENTIRE LENGTH.
 - THE RADIUS OF CONDUIT STUB-UPS SHALL BE 12X CONDUIT DIAMETER OF THE PIPE.
 - WHEN COUPLING IS CONNECTED TO DIFFERENT MATERIALS, THE COUPLING SHALL BE OF THE GREATER STRENGTH MATERIAL.
 - PIPE ZONES FOR DIRECT BURIAL:
 - PROVIDE 3" UNDER THE 4" AROUND CONDUIT SIDES.
 - BACKFILL SHALL BE DONE IN 8" LOOSE LIFTS.
 - COMPACTION SHALL BE A MINIMUM OF 90%.
- PENETRATIONS:
 - CONDUITS THAT PENETRATE POURED CONCRETE WALLS, OR CMU WALLS ABOVE OR BELOW GRADE SHALL BE SLEEVED WITH GALVANIZED STEEL OF A MINIMUM OF (1") ONE INCH ANNULAR SPACE.
 - FIRE SEALANT SHALL BE SEALED IN ACCORDANCE WITH STANDARD FIRE SEALING PRACTICES.
- CONDUCTORS.
 - ALL FEEDERS & GROUNDING SHALL UNDERGO TORQUE TESTING. CONTRACTOR SHALL BE REQUIRED TO HAVE THE MANUFACTURER'S RECOMMENDED TORQUE DOCUMENTATION & TO HAVE ALL PROPER CURRENT CALIBRATED TOOLS TO PERFORM TORQUE TESTS.

ABBREVIATIONS

AFG	ABOVE FINISHED GRADE
AIC	AMP'S INTERRUPTING CURRENT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AWG	AMERICAN WIRE GAUGE
DIA	DIAMETER
ENT	ELECTRICAL NON-METALLIC TUBING
FVNR	FULL VOLTAGE NON-REVERSING STARTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
IEEE	INSTITUTE FOR ELECTRICAL AND ELECTRONIC ENGINEERS
KW	KILOWATT
KVA	KILOVOLT AMPERES
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MCC	MOTOR CONTROL CENTER
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION

NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
PLC	PROGRAMMABLE LOGIC CONTROLLER
PVC	POLYVINYL CHLORIDE
SCCR	SHORT CIRCUIT CURRENT RATING
SES	SERVICE ENTRANCE SECTION
SS	STAINLESS STEEL
TSP	TWISTED SHIELDED PAIR
UBC	UNIFORM BUILDING CODE
UL	UNDERWRITERS LABORATORY
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS, WIRE
WP	WEATHERPROOF
WWTP	WASTE WATER TREATMENT PLANT
XFMR	TRANSFORMER
3P	THREE PHASE

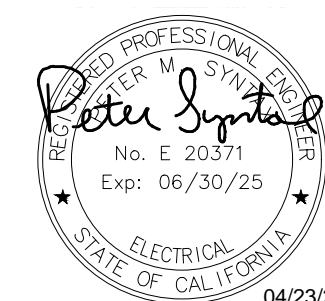
LEGEND

	CONSTRUCTION NOTE		EXISTING UTILITY POLE
	CONDUIT AND CONDUCTOR NOTE		EXISTING RV PEDESTAL
	PROPOSED UNDERGROUND CONDUIT		PROPOSED FLAG POLE UPLIGHT
	EXISTING UNDERGROUND CONDUIT		PROPOSED FUSE DISCONNECT
	PROPERTY LINE		PROPOSED GATE MOTOR
	PROPOSED ELECTRICAL PULL BOX		
	PROPOSED UTILITY METER		



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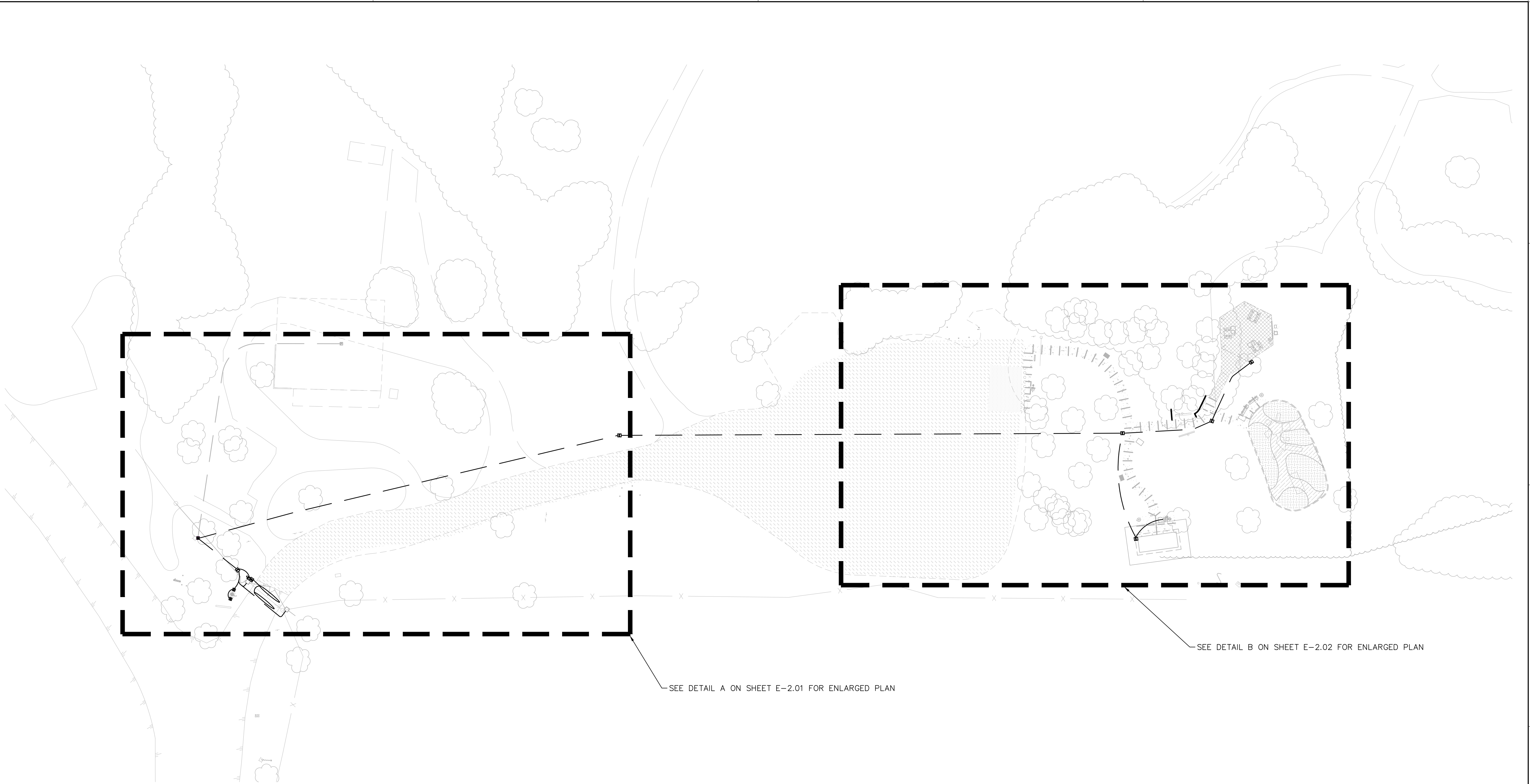
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SHEET
GENERAL NOTES AND
LEGEND

SHEET NUMBER

E-1.00

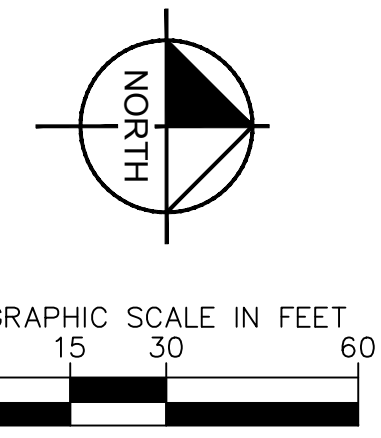
Plotted By: Thomson, Jared Sheet Set: Kha Layout: E-2.00 - Electrical Site Plan April 23, 2024 01:32:11pm K:\ORA_LDEV\194254101 - Kabian Park Improvements\CAD\PlanSheets\ELECTRICAL PLAN.dwg



A OVERALL ELECTRICAL SITE PLAN
SCALE: 1" = 60'-0"

SEE DETAIL A ON SHEET E-2.01 FOR ENLARGED PLAN

SEE DETAIL B ON SHEET E-2.02 FOR ENLARGED PLAN



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SHEET
**OVERALL ELECTRICAL
 SITE PLAN**
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E-2.00



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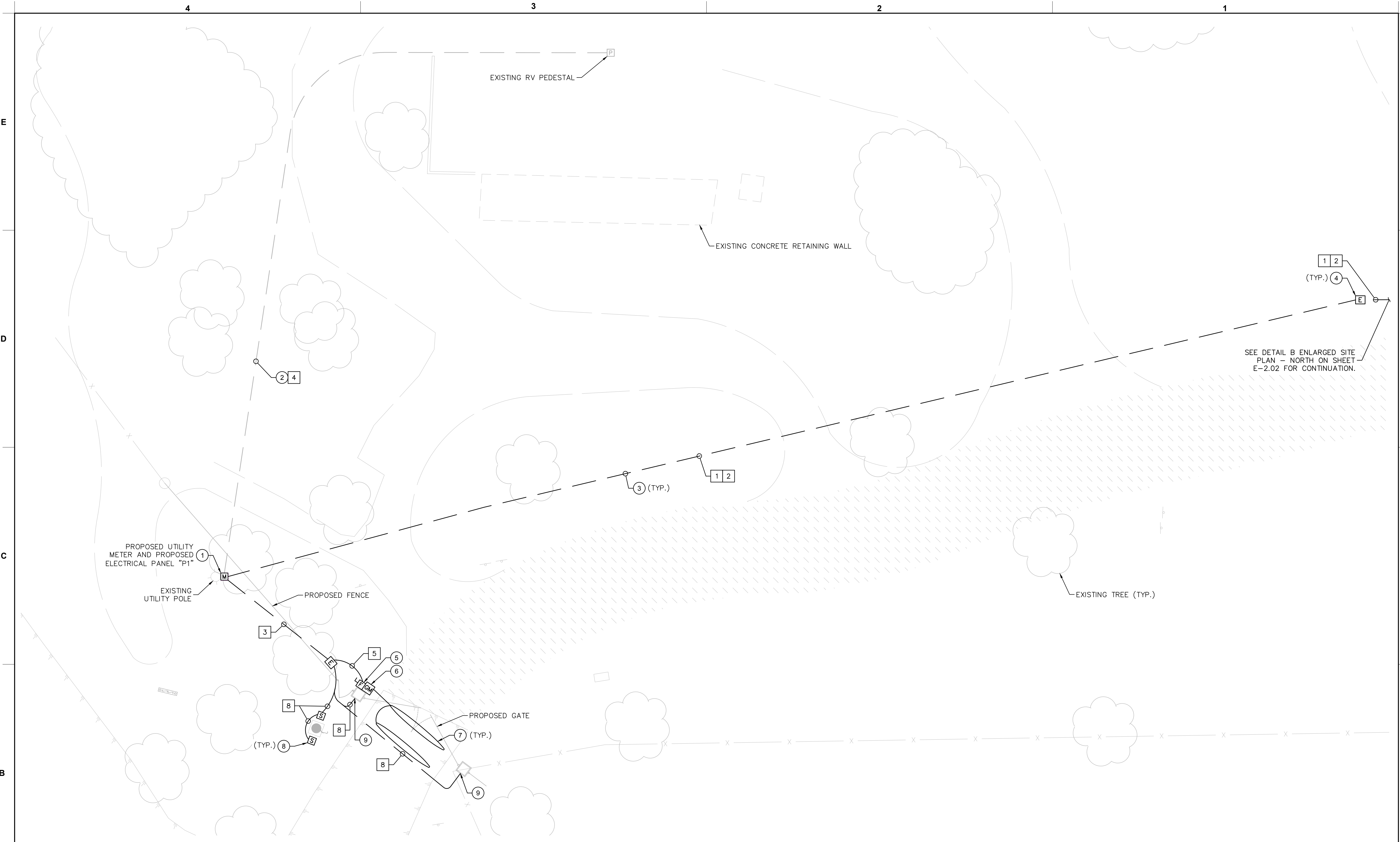
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SHEET
**ENLARGED ELECTRICAL
 SITE PLAN**
 SHEET NUMBER

E-2.01



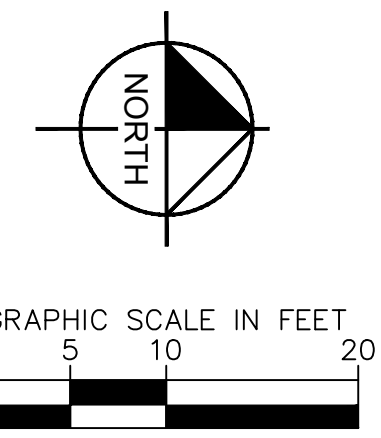
(A) ENLARGED SITE PLAN – SOUTH
 SCALE: 1" = 10'-0"

GENERAL NOTES

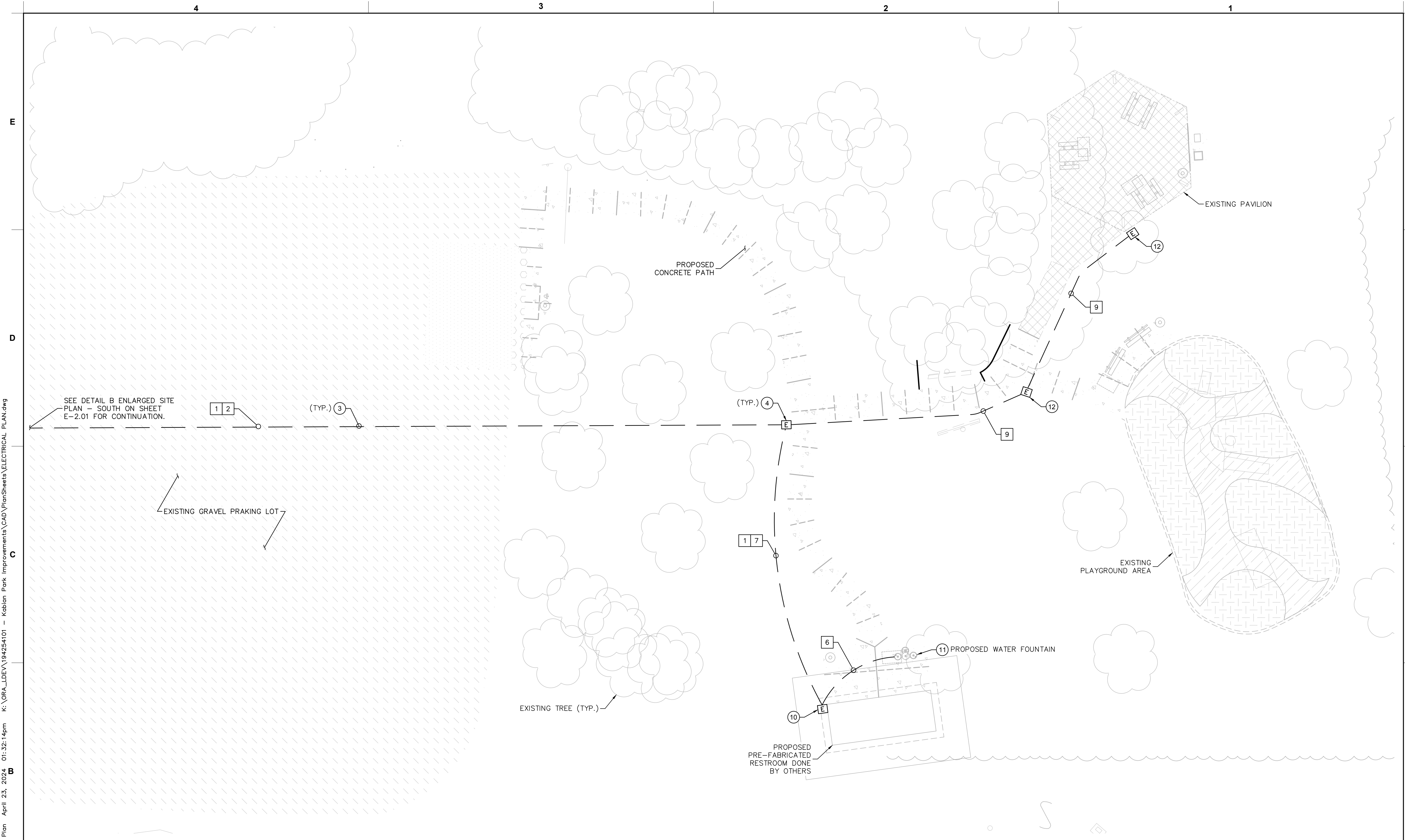
- REFER TO CONDUIT AND CONDUCTOR SCHEDULE IN ELECTRICAL DETAILS FOR CONDUIT AND CONDUCTOR SIZE.
- INDICATES CONDUIT NUMBER IN CONDUIT SCHEDULE.

CONSTRUCTION NOTES

- CONTRACTOR TO INSTALL PROPOSED POLE MOUNTED METER AND ELECTRICAL PANEL. SEE DETAIL D ON SHEET E-3.00 FOR MORE INFORMATION. COORDINATE WITH UTILITY PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL VERIFY EXISTING CONDUIT AND CONDUCTORS CAN BE RE-USED AND ARE SIZED CORRECTLY PER NEC FOR EXISTING RV PEDESTAL. CONTRACTOR TO CONNECT EXISTING CONDUCTORS TO PROPOSED PANEL "P1" AND ENSURE PROPER FUNCTIONALITY OF EXISTING EQUIPMENT. CONTACT ENGINEER IF EXISTING CONDITIONS DO NOT MEET NEC REQUIREMENTS.
- CONTRACTOR TO INSTALL NEW CONDUIT AND CONDUCTORS VIA TRENCH. SEE DETAIL B AND C ON SHEET E-3.00 FOR MORE INFORMATION.
- CONTRACTOR TO INSTALL NEW PULLBOX FLUSH WITH FINAL GRADE. SEE DETAIL A ON SHEET E-3.00 FOR MORE INFORMATION.
- CONTRACTOR TO INSTALL NEMA 3R RATED 30AF/20AT/2P 240V FUSED DISCONNECT.
- CONTRACTOR TO INSTALL (1) 2 HORSEPOWER, 240V, 1PH, GATE OPERATOR AND PROVIDE GATE CONTROLLERS. COORDINATE WITH OWNER PRIOR TO CONSTRUCTION.
- CONTRACTOR TO INSTALL OBSTRUCTION LOOP.
- CONTRACTOR TO INSTALL FLAG POLE UPLIGHT. SEE DETAIL A ON SHEET E-3.01 FOR MORE INFORMATION.
- CONTRACTOR TO ROUTE CONDUIT AND CONDUCTORS TO PROPOSED PILLAR MOUNTED LIGHTING SCANCES. SEE DETAIL B ON SHEET E-3.01 AND LANDSCAPE PLANS FOR MORE INFORMATION.



Plotted By: Thomson, Jared Sheet Set: Kha Layout: E-2.01 - Electrical Site Plan April 23, 2024 01:32:12pm K:\GRA_LDEV\194254101 - Kabian Park Improvements\CAD\PlanSheets\ELECTRICAL PLAN.dwg



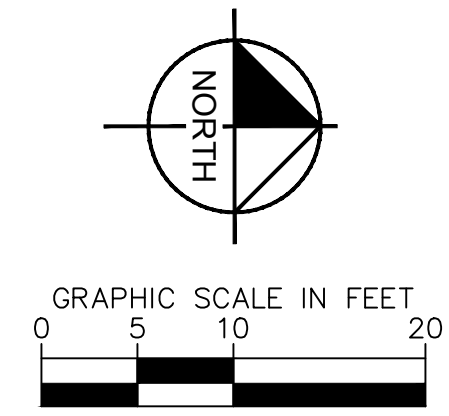
(B) ENLARGED SITE PLAN – NORTH
 SCALE: 1" = 10'-0"

GENERAL NOTES

- REFER TO CONDUIT AND CONDUCTOR SCHEDULE IN ELECTRICAL DETAILS FOR CONDUIT AND CONDUCTOR SIZE.
- INDICATES CONDUIT NUMBER IN CONDUIT SCHEDULE.

CONSTRUCTION NOTES

- CONTRACTOR TO INSTALL NEW CONDUIT AND CONDUCTORS VIA TRENCH. SEE DETAIL B AND C ON SHEET E-3.00 FOR MORE INFORMATION.
- CONTRACTOR TO INSTALL NEW PULLBOX FLUSH WITH FINAL GRADE. SEE DETAIL A ON SHEET E-3.00 FOR MORE INFORMATION.
- CONTRACTOR TO COIL AND CAP CONDUCTORS IN PULL BOX FOR IRRIGATION CONTROLLER AND RESTROOM MAIN ELECTRICAL PANEL. COORDINATE WITH OWNER FOR FINAL CONNECTION PRIOR TO INSTALL.
- CONTRACTOR TO ROUTE CONDUIT AND CONDUCTORS TO PROPOSED WATER FOUNTAIN CHILLER.
- CONTRACTOR TO STUB UP SPARE CONDUIT IN PROPOSED PULLBOX FOR FUTURE USE.



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 IMPROVEMENTS
 COUNTY OF RIVERSIDE**
 28001 GOETZ ROAD
 QUAIL VALLEY, CA 92587

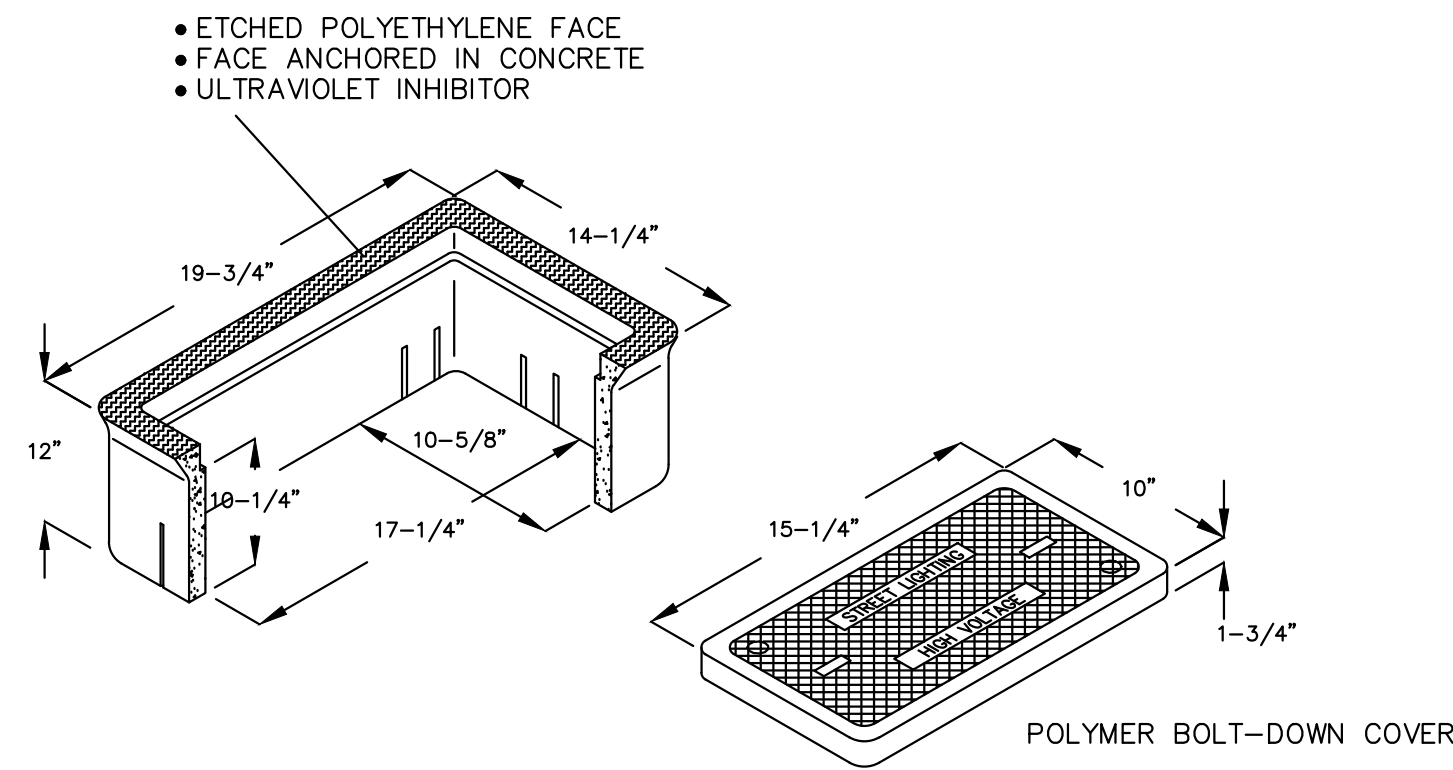
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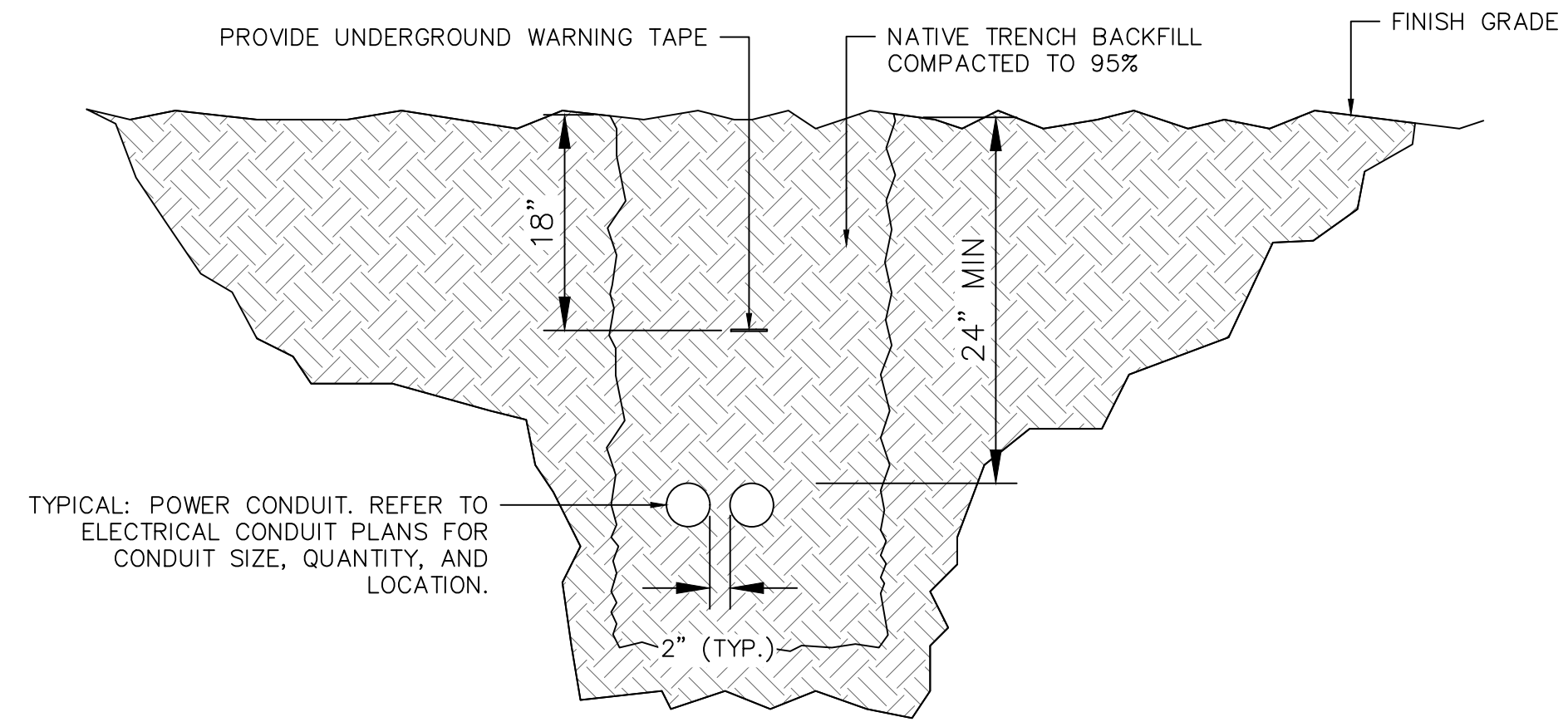
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 PRINTED FOR _____
 DATE _____ 06/13/2024
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 SHEET
**ENLARGED ELECTRICAL
 SITE PLAN**
 SHEET NUMBER
E-2.02

Plotted By: Thomson, Jared Sheet Set: Kha Layout: E-2.02 - Electrical Site Plan April 23, 2024 01:32:14pm K:\GRA_LDEV\194254101 - Kabian Park Improvements\CAD\PlanSheets\ELECTRICAL PLAN.dwg



A PULL BOX DETAIL
SCALE: NOT TO SCALE



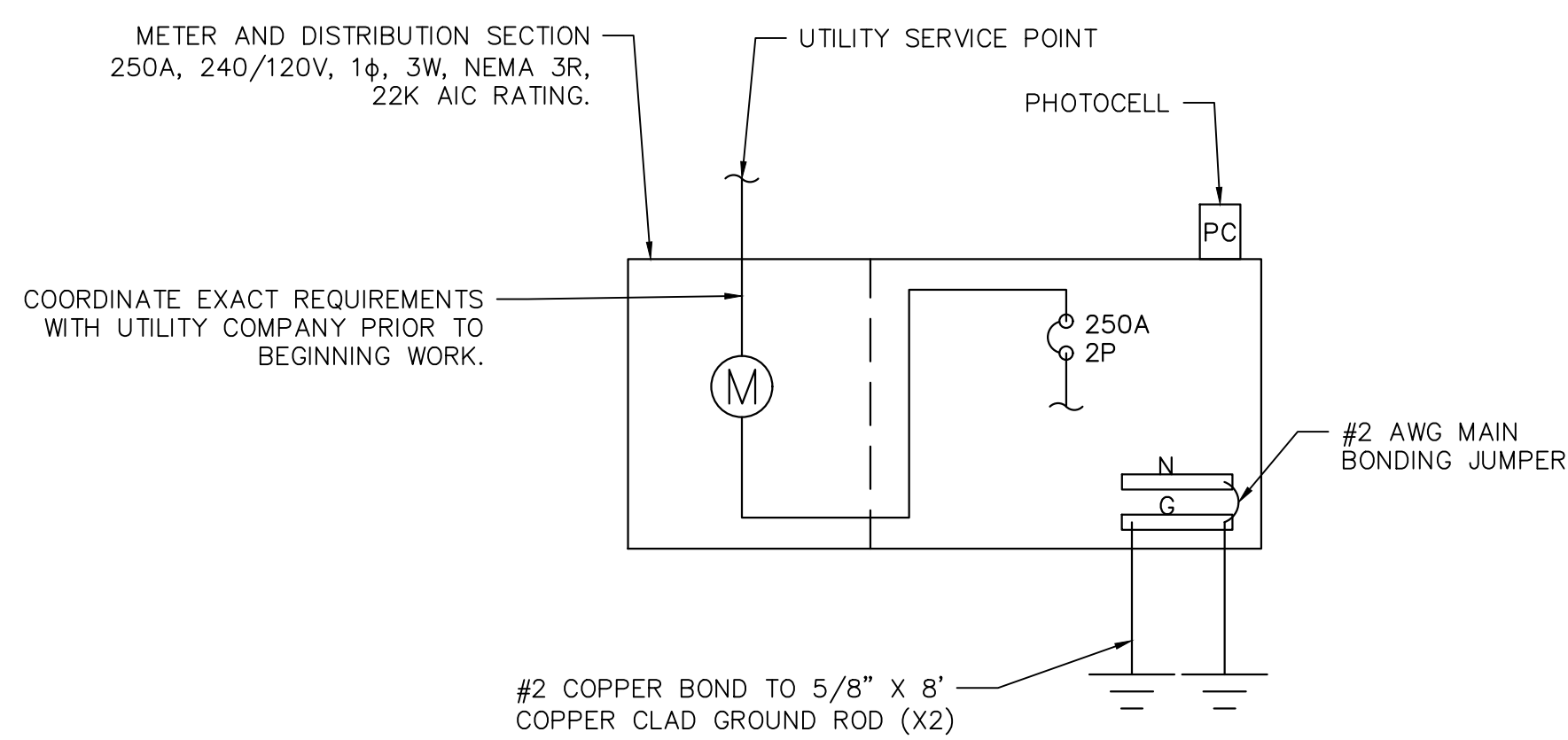
B CONDUIT AND TRENCH DETAIL
SCALE: NOT TO SCALE

CONDUIT AND CONDUCTOR SCHEDULE					
NO.	CONDUIT SIZE	STATUS	WIRE		PANEL: CIRCUIT #
			POWER	GROUND	
1	2"	NEW	(2) #10 AWG	(1) #2 AWG	P1: 1
		NEW	(2) #6 AWG		P1: 3
		NEW	(2) #2 AWG		P1: 10/12
2	2"	NEW	(2) #2 AWG	(1) #2 AWG	P1: 10/12
		NEW	(2) #10 AWG		P1: 5
3	1"	NEW	(2) #10 AWG	(1) #10 AWG	P1: 2/4
		NEW	(2) #10 AWG		P1: 6/8
4		EXISTING			P1: 6/8
5	0.75"	NEW	(2) #10 AWG	(1) #10 AWG	P1: 2/4
6	0.75"	NEW	(2) #10 AWG	(1) #10 AWG	P1: 3
7	1"	NEW	(2) #2 AWG	(1) #10 AWG	P1: 10/12
8	0.75"	NEW	(2) #10 AWG	(1) #10 AWG	P1: 5
9	1"				SPARE

C CONDUIT AND CONDUCTOR SCHEDULE

NEW PANEL											
LOCATION: WEST OF GATE ENTRANCE						PANEL NAME: P1			VOLTS: 120/240V		
SUPPLY FROM: UTILITY COMPANY						PHASES: 1			AIC RATING: 22K - lly Rated		
MOUNTING: POLE						WIRES: 3			MAINS TYPE: MCB		
ENCLOSURE: NEMA 3R									MAINS RATING: 250 A		
									MCB RATING: 250 A		
CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)	B (VA)	POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	IRRIGATION CONTROLLER	E	20	1	180	1,373			M		2
3	WATER FOUNTAIN CHILLER	E	20	1		370	1,373	2	20	GATE MOTOR	4
5	MAIN GATE LIGHTING	L	20	1	80	12,000			E	RV PEDESTAL	6
7	LIGHTING CONTACTOR	O	20	1		0	12,000	2	125		8
9	SPARE	O	20	1	0	5,760			L	BATHROOM PANEL	10
11								2	60		12
13											14
15											16
17											18
19											20
21											22
23											24
TOTAL LOAD:					19,393 VA	19,503 VA					
TOTAL AMPS:					161.6 A	162.5 A					
LOAD CLASSIFICATION				CONNECTED LOAD: (VA)	DEMAND FACTOR	ST. DEMAND (VA)	PANEL TOTALS				
LARGEST MOTOR LOAD (M)				1373.0	125.00%	1716.3	TOTAL CONN. LOAD (VA): 38896				
HVAC (H) & ALL OTHER MOTORS (M)				1373.0	100.00%	1373.0	TOTAL EST. DEMAND (VA): 42139.25				
RECEPTACLE (R)				0.0	100.00%	0.0	TOTAL CONN. (A): 162.1				
LIGHTING (L)				11600.0	125.00%	14500.0	TOTAL EST. DEMAND (A): 175.6				
EQUIPMENT (E)				24550.0	100.00%	24550.0	PERCENT LOADED: 70%				
OTHER (O) (SEE NOTES)				0.0	0.00%	0.0					

D PANEL SCHEDULE



E PROPOSED SINGLE LINE DIAGRAM
SCALE: NOT TO SCALE

Point	Point Name	Source* Point	Source Amps	Conductor Type	Wire Size/Quantity	Load (A)	Distance	Voltage	Phase	"C" Value	"F" Value	"M" Value	Isc	**% Vdrop	Point
1	120 / 240 1 ph 50	23706	23,706										23,706		1
2	P1	1	23,706	Copper	2 Set of 1/0	250	150	240	1	9317	0.795119	0.557066	13,206	2.03%	2

F FAULT CURRENT AND VOLTAGE DROP



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IMPROVEMENTS
COUNTY OF RIVERSIDE**
28001 GOETZ ROAD
QUAIL VALLEY, CA 92587


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SHEET
ELECTRICAL DETAILS
SHEET NUMBER

E-3.00

Plotted By: Thomson, Jared Sheet Set: Kha Layout: E-3.01 - Electrical Spec Sheets April 23, 2024 01:32:16pm K:\ORA_LDEV\194254101 - Kabian Park Improvements\CAD\PlanSheets\ELECTRICAL PLAN.dwg






COLT LBUL

LED BULLET

FEATURES

- Compact flood light with uniform 7x6 distribution
- Perfect for landscape lighting applications
- Durable 1/2" 14 NPS knuckle
- Easy to install by one person
- IP65 rating for durability in ground mounting applications

SPECIFICATIONS

CONSTRUCTION

- Rugged die-cast aluminum housing
- Lens is made of UV stabilized acrylic


OPTICS

- Integral reflector optimizes efficiency
- Distribution is 7x6

INSTALLATION

- Suitable for ground mounting applications
- Standard knuckle is 1/2" x 14 NPS

DATE: _____ LOCATION: COUNTY OF RIVERSIDE
 TYPE: PROJECT KABIAN PARK IMPROVEMENTS
 CATALOG # LBUL-20-3K



tradeSELECT™

ELECTRICAL

- Configurations for 120-277V applications
- 50/60 Hz power factor ≥ 90%

WARRANTY

- 5 Year warranty

CERTIFICATIONS


- DLC (DesignLights Consortium) Qualified. Please refer to the DLC (DLC) premium qualifications, consult DLC website for more details: <http://www.designlights.org/QPL>
- Fixture is IP65 rated
- Listed to UL1598 for use in wet location

ORDERING INFORMATION

Catalog Number	Mounting	Distribution	Wattage	Voltage	Lumens	LPW	CCT/CRI	Weight lbs. (kg)
LBUL-20-3K	Knuckle	7 X 6	20	120-277	2632	132	3000K/70	1.54 (0.7)
LBUL-20-4K	Knuckle	7 X 6	20	120-277	2901	145	4000K/70	1.54 (0.7)

KEY DATA	
Lumen Range	2632-2690
Wattage	20
Efficacy Range (LPW)	132-134
Fixture Projected Life (Hours)	>60,000
Weight lbs. (kg)	1.54 (0.7)

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COLT LBUL

MINI LED BULLET

PERFORMANCE DATA

SERIES NUMBER	SYSTEM WATTS	DISTRIBUTION	CCT/CRI	LUMENS	LPW	MAX CANDLE POWER
LBUL-20-3K	20	7 X 6	70/3000K	2632	132	1853
LBUL-20-4K	20	7 X 6	70/4000K	2901	145	1301

Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment application and inherent performance balances of the electrical components.

DATE: _____ LOCATION: COUNTY OF RIVERSIDE
 TYPE: PROJECT KABIAN PARK IMPROVEMENTS
 CATALOG # LBUL-20-3K

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS					L70 Calculated (Hours)
	0	25,000	TM 21-111 L95 36,000	50,000	100,000	
25°C / 77°F	1.00	0.95	0.92	0.89	0.80	153,000
40°C / 104°F	0.99	0.94	0.91	0.88	0.77	138,000

1. Projected per IESNA TM-21-111. Data references the extrapolated performance projections for the base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

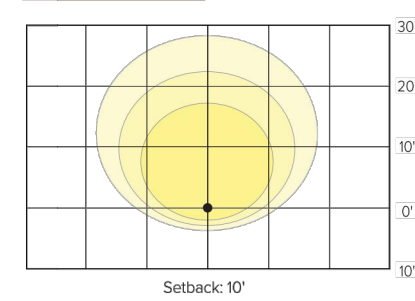
AMBIENT TEMPERATURE	LUMEN MULTIPLIER
0° C / 32° F	1.03
10° C / 50° F	1.01
20° C / 68° F	1.00
25° C / 77° F	1.00
30° C / 86° F	0.99
40° C / 104° F	0.98
50° C / 122° F	0.97

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

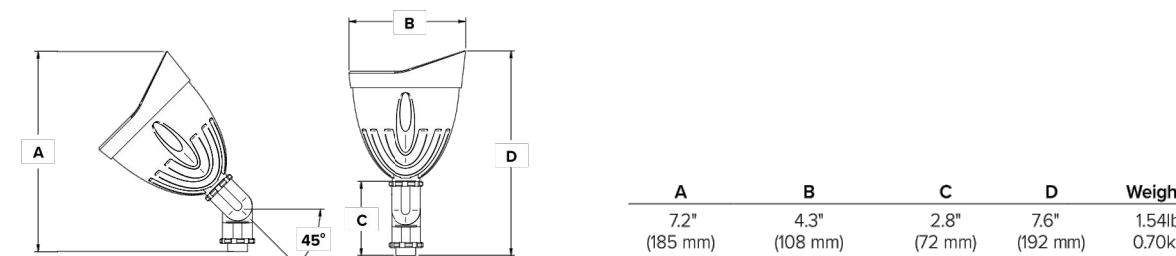
ELECTRICAL DATA

Nominal Wattage	INPUT VOLTAGE (V)	CURRENT (Amps)	SYSTEM POWER (w)
20	120	0.957	20
	208	0.096	20
	240	0.083	20
	277	0.072	20

PHOTOMETRY



DIMENSIONS



USE OF TRADEMARKS AND TRADE NAMES

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A FLAGPOLE UPLIGHT FIXTURE CUTSHEET

SCALE: N.T.S.

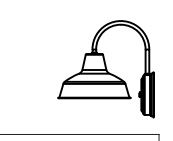
SPK-0037 REV 0
 AUSTIN QUICK SHIP WALL SCONCE
 JOB NAME: KABIAN PARK IMPROVEMENTS
 FIXTURE TYPE: BLE=W-QS-WHA10

BLE - W - QS - WHA10 -

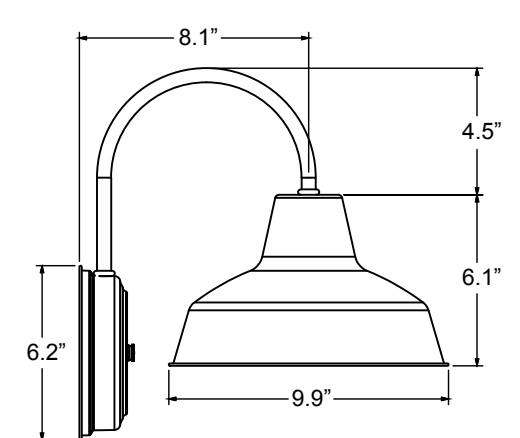
Order Example: BLE - W - QS - WHA10 - 200 - WC

A - FINISHES	B - shade accessory
POWDER COAT FINISHES:	NA None/No Wire Cage
100 Black	WC Wire Cage2
200 White	
600 Bronze	
975 Galvanized	

IMPORTANT: (1) All Powder Coat finished shades. Galvanized excluded. Feature a white interior (2) If selected, shade accessory finish will match selection in Section A



MOUNTING DIMENSIONS



COORDINATE FINISHES AND ACCESSORIES WITH OWNER PRIOR TO PROCUREMENT AND CONSTRUCTION

SPECIFICATIONS

CERTIFICATIONS, LISTINGS & WARRANTY

Made in the USA
 Manufactured and Hand-Crafted in Our 60,000 Square Foot Facility Located in Titusville, FL

CSA LISTED FOR WET LOCATIONS

LIMITED WARRANTY
 For Additional Information on Our Limited Warranty, Please See Our Terms & Conditions

Light source

INCANDESCENT
 Medium Base E26 Socket, 120 VAC, 200 Watt Max

CONSTRUCTION & FINISHES

BACKING PLATE & SHADE
 Hand-Spun from High Purity 3003-O Temper Aluminum

Galvanized SHADE
 Hand Spun from High Quality Galvanized Steel

WALL SCONCE ARM
 1/4" Nominal (0.50" Actual) Steel/Aluminum Mounting Arm

POWDER COAT FINISHES
 Polyester Powder Coat Finishes Are Electro-Statically Applied and Thermocured

Address: 320 Knox McRae Drive Titusville, FL 32781
 currentlighting.com

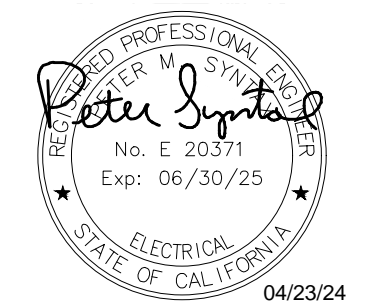
B GATE SCONCE FIXTURE CUTSHEET

SCALE: N.T.S.



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 ELECTRICAL CUTSHEETS
 SHEET NUMBER _____

E-3.01

KABIAN PARK RESTROOM

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SHEET SCHEDULE	
SHEET	CONTENTS
1	TITLE PAGE & SPECIFICATIONS
2A	FLOOR PLAN & SPECIFICATIONS
2B	ELEVATION VIEWS & SPECIFICATIONS
3	CMU PLAN & DETAILS & SPECIFICATIONS
4	FOUNDATION PLAN & DETAILS, & SPEC'S



1 ISOMETRIC RENDER
SCALE: NTS

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REV	DATE	BY	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT: KIMLEY HORN
KABIAN PARK - RESTROOM
QUAIL VALLEY, CALIFORNIA

SHEET TITLE: TITLE PAGE SPECIFICATIONS

PROJECT I.D.# 2286

DATE: 02/23/2024

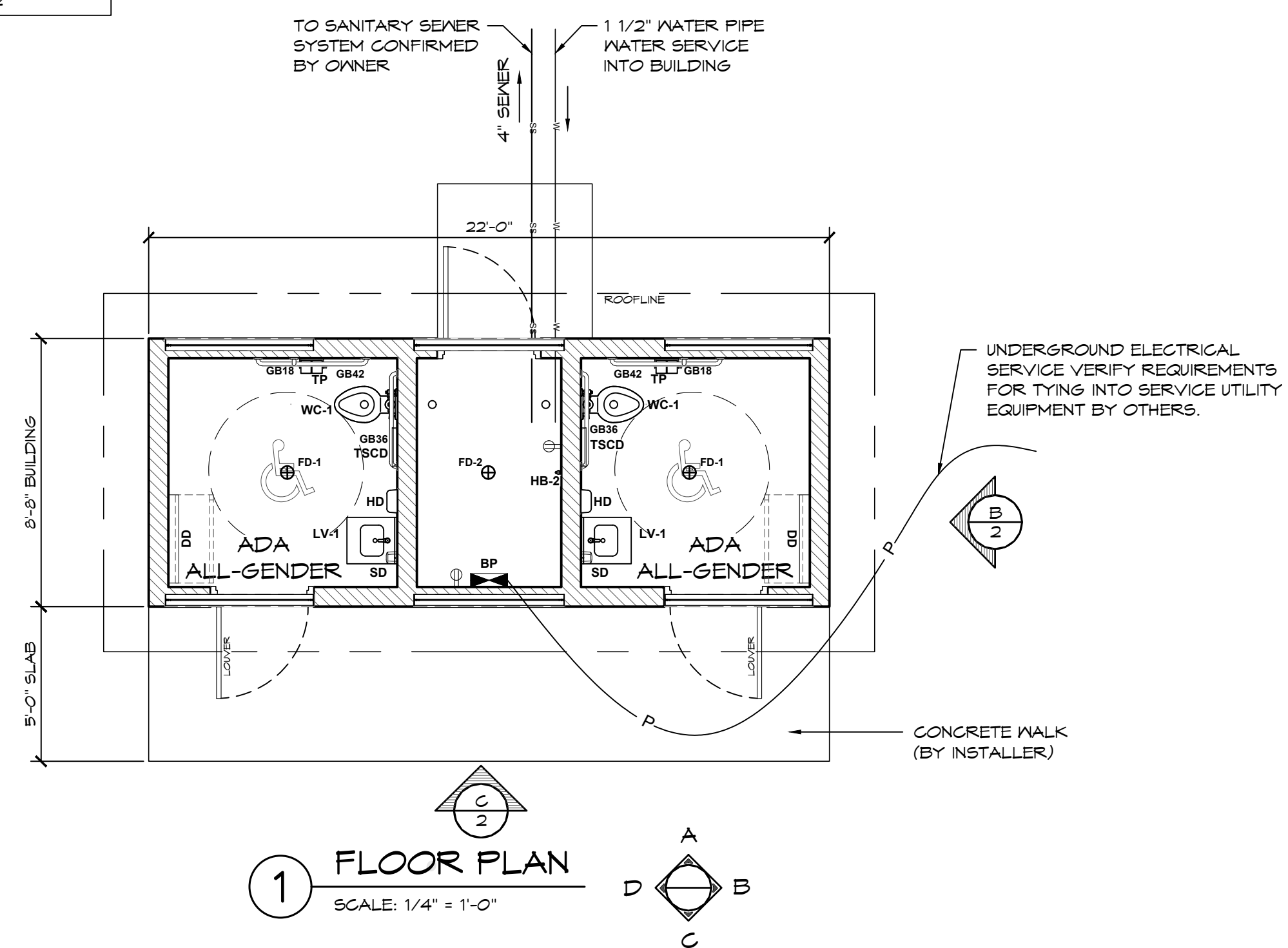
DRAWN BY: CR/JRM

SHEET NO. 1

LEGEND		
SYMBOL	DESCRIPTION	AREA/ QUANTITY
	GABLE VENT	4
	RIDGE VENT	2
	EXTERIOR WALL LIGHTS	3
	INTERIOR CEILING LIGHTS	3
	FLOOR DRAIN	3
	ELECTRICAL OUTLET	2

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WALL TYPE SCHEDULE	
	8" REINFORCED CONCRETE MASONRY BLOCK WALL WITH MORTAR JOINTS, GROUTED SOLID ALL CELLS RUNNING BOND PATTERN.

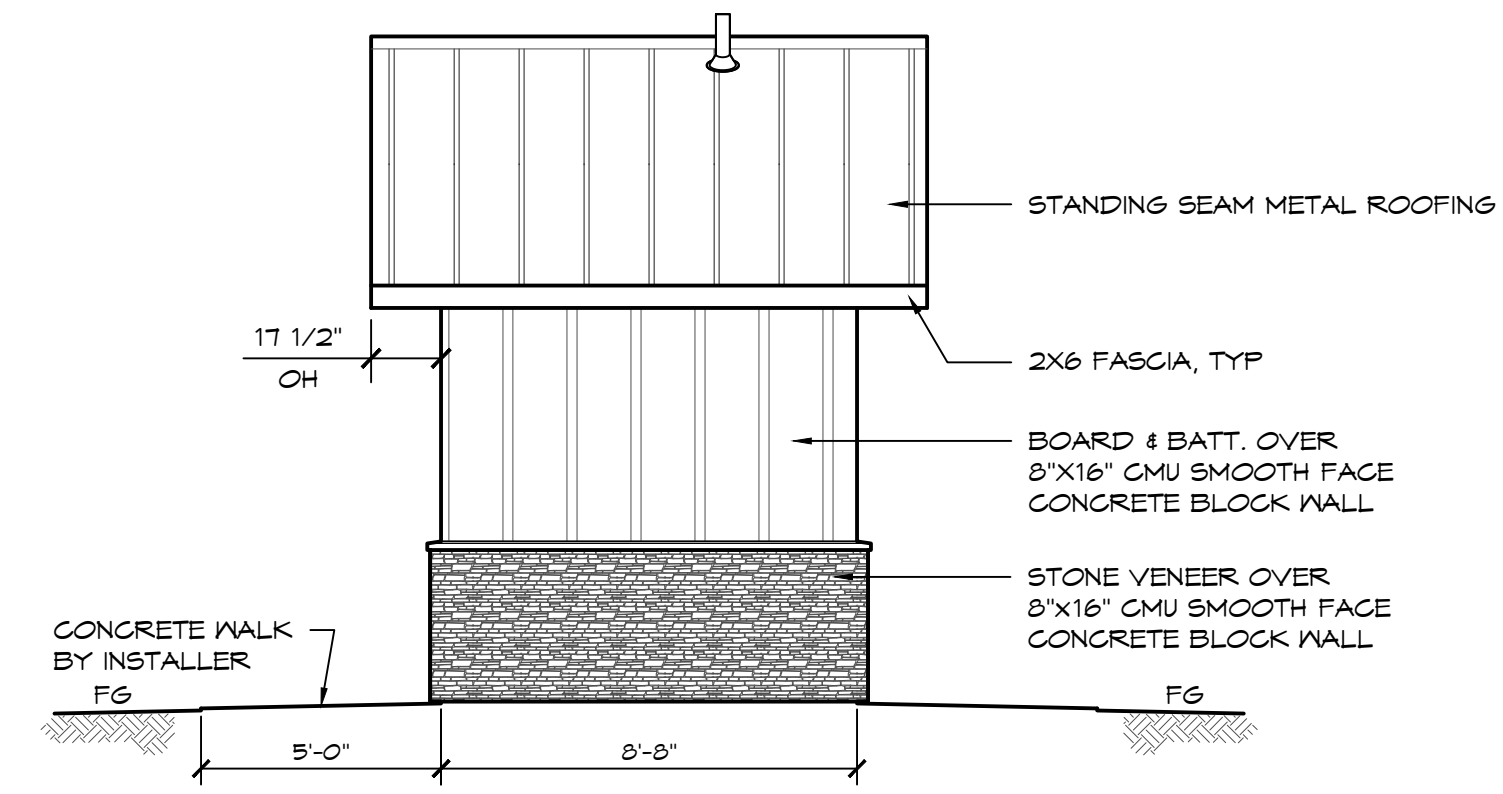


1 FLOOR PLAN
SCALE: 1/4" = 1'-0"

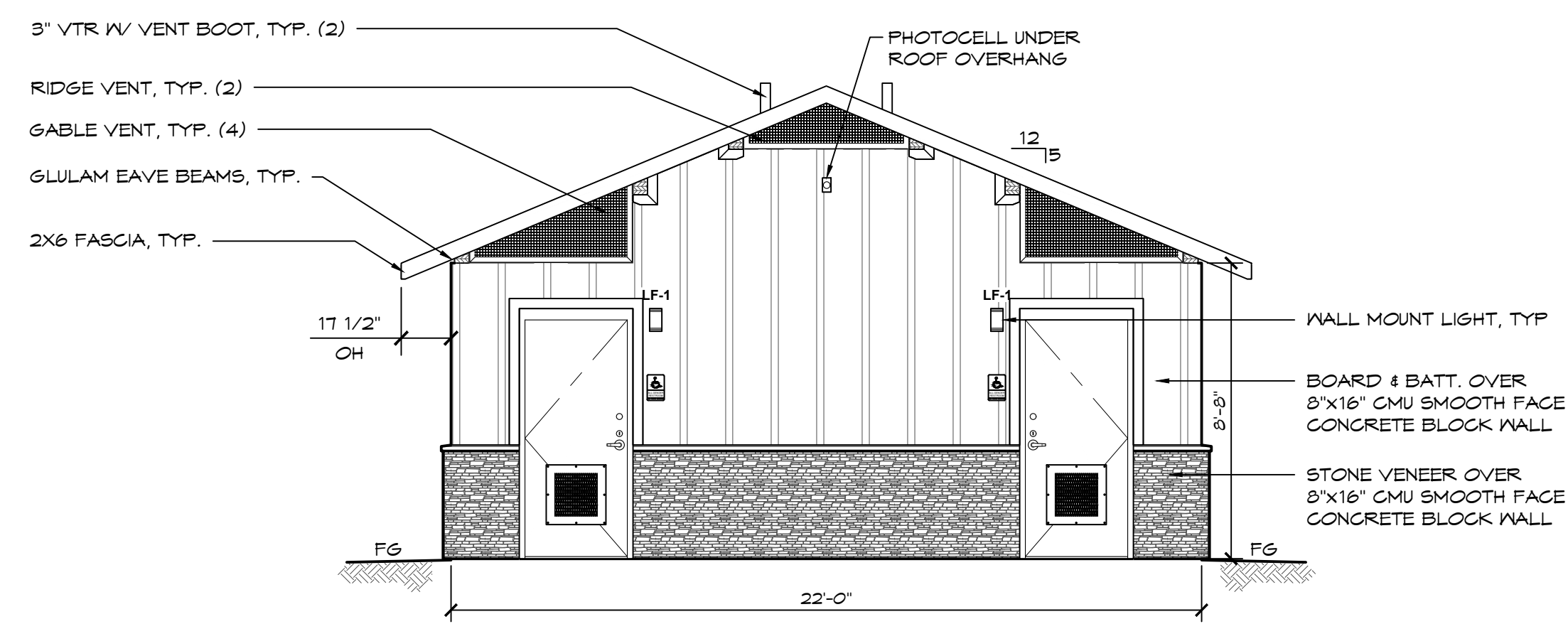
REV	DATE	BY	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT: **KIMLEY HORN
KABIAN PARK - RESTROOM
QUAIL VALLEY, CALIFORNIA**
SHEET TITLE: **FLOOR PLAN
SPECIFICATIONS**
PROJECT I.D.# **2286**
DATE: **02/23/2024**
DRAWN BY: **CR/JRM**
SHEET NO.:



(B) ELEVATION VIEW
SCALE: 1/4" = 1'-0"



(C) ELEVATION VIEW
SCALE: 1/4" = 1'-0"

THESE PLAN VIEW AND ELEVATION DRAWINGS ARE A PRELIMINARY ARCHITECTURAL REPRESENTATION OF THE BUILDING. ALL DIMENSIONS, FEATURES AND COMPONENTS SHOWN ON THESE PRELIMINARY DRAWINGS MAY OR MAY NOT BE PART OF THE QUOTE. PLEASE REFER TO THE "SCOPE OF SUPPLY AND SERVICES" LETTER PROVIDED WITH YOUR QUOTE FOR ROMTEC'S PROPOSED SCOPE OF SUPPLY.

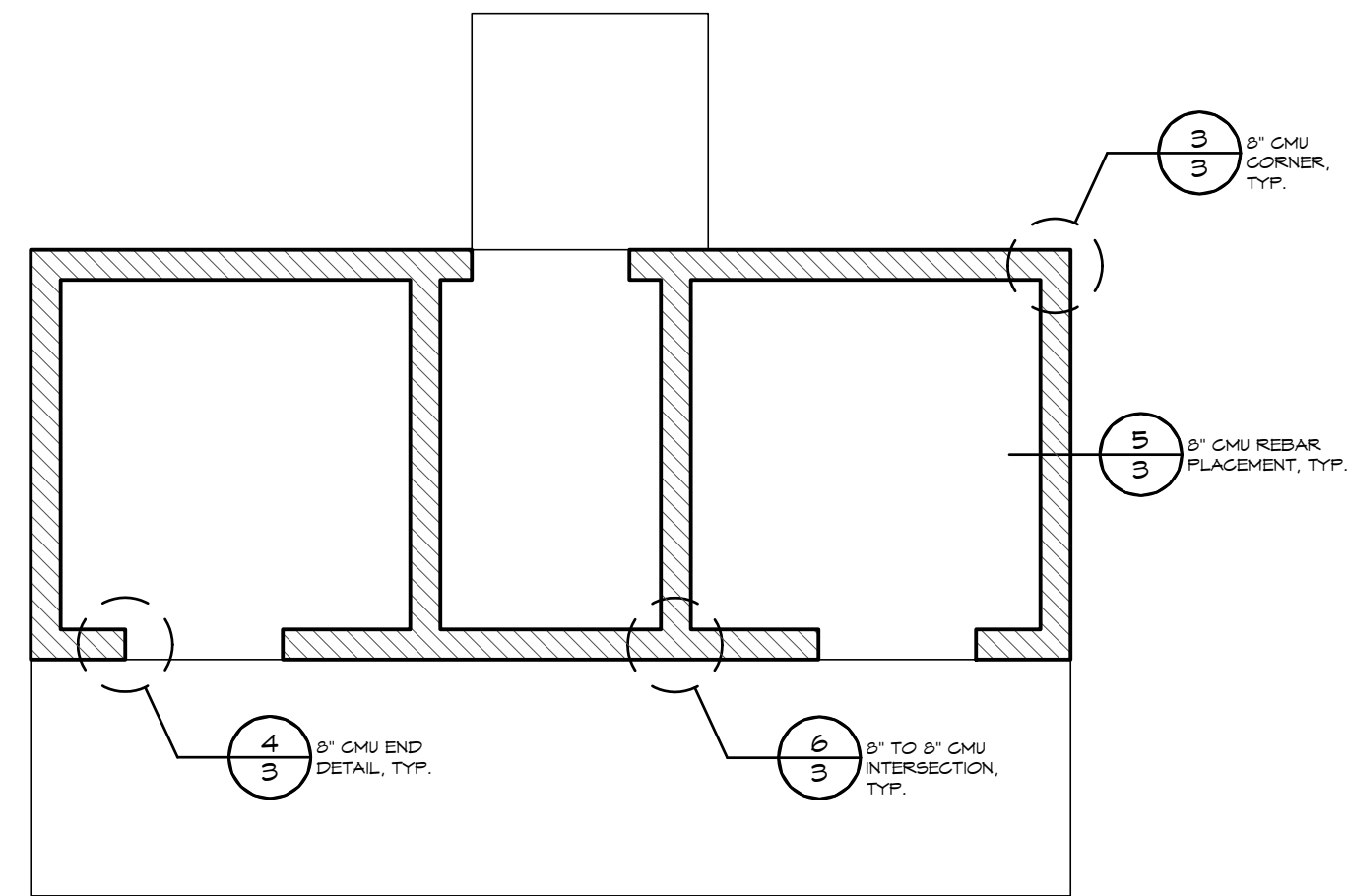
REV	DATE	BY	DESCRIPTION

NOT FOR CONSTRUCTION

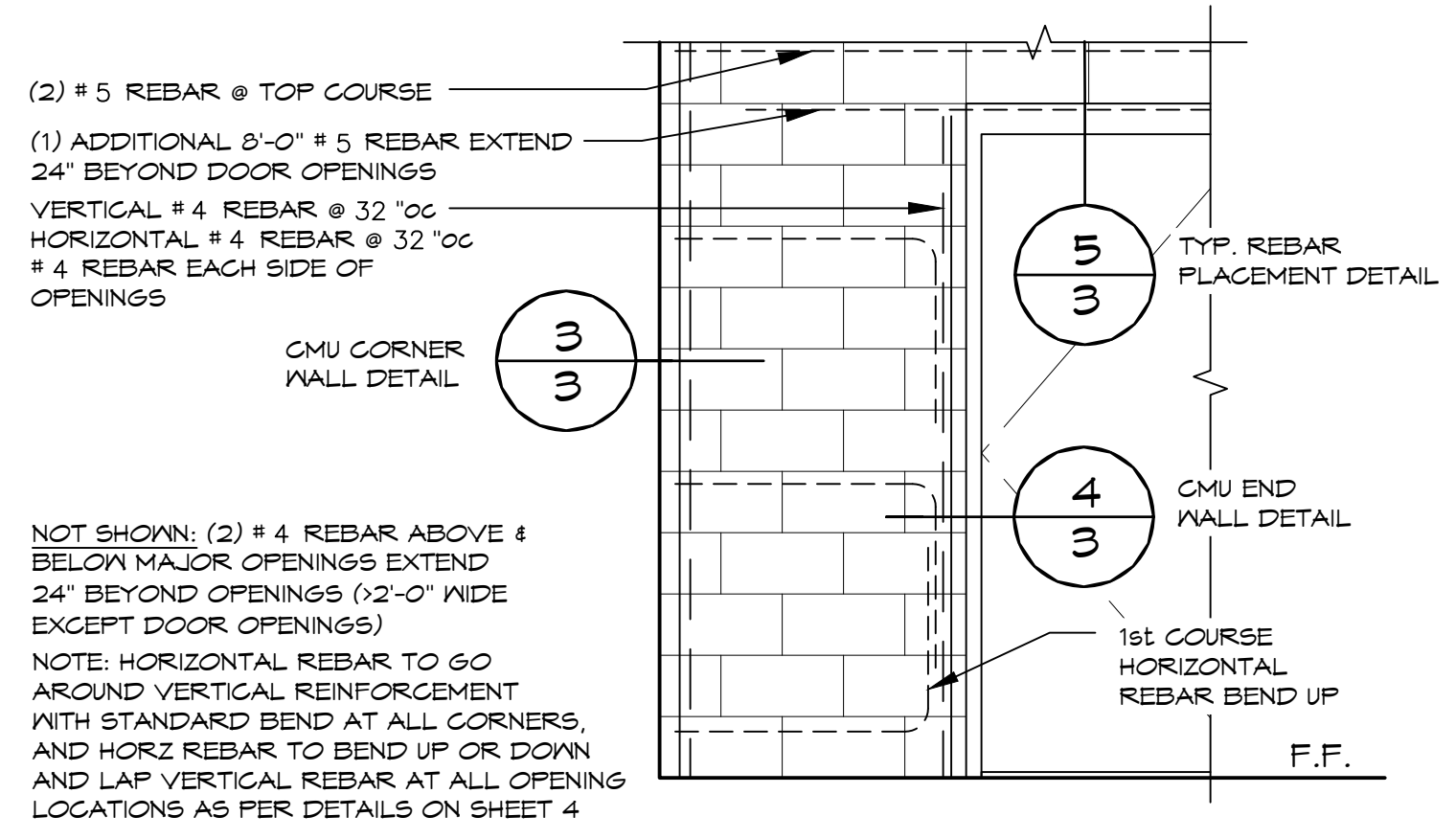
PROJECT: KIMLEY HORN
KABIAN PARK - RESTROOM
QUAIL VALLEY, CALIFORNIA
SHEET TITLE: ELEVATIONS SPECIFICATIONS

PROJECT I.D.# 2286
DATE 02/23/2024
DRAWN BY CR/JRM
SHEET NO.

2B



A STRUCTURAL CMU PLAN
SCALE: 1/4" = 1'-0"



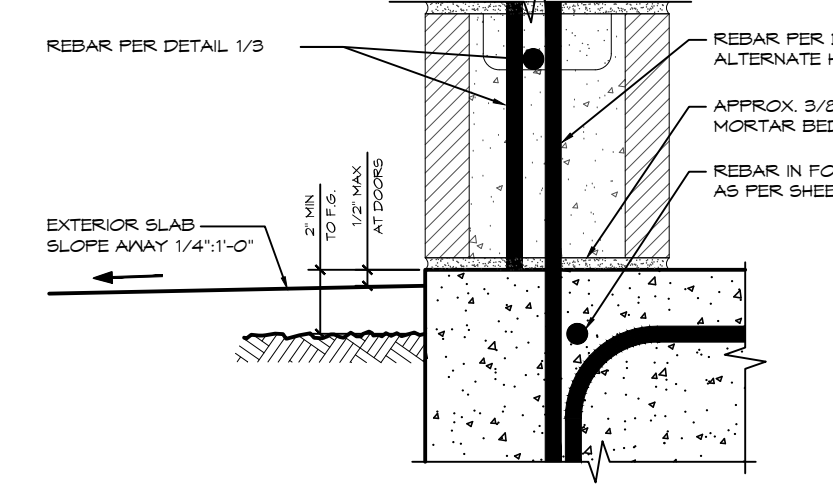
1 CMU REBAR LAYOUT DETAIL
SCALE: 1" = 1'-0"

REBAR	MIN. LAP	BEND DIAMETER
#4	24"	3" MIN.
#5	30"	3-3/4" MIN.

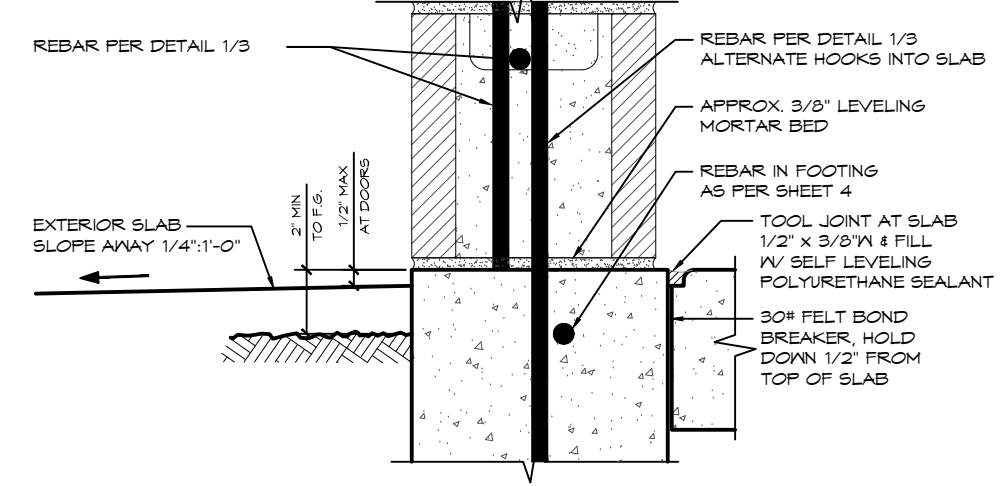
CMU REBAR NOTES:
- BENDS: MIN. INSIDE BEND DIAMETER SHALL BE NOT LESS THAN 6d AS PER TMS 602-13/ACI 530.1-13/ASCE 6-13 TABLE 1.16.6
- SPLICES: LAP SPLICES ARE PERMITTED AS PER TMS 602-13/ACI 530.1-13/ASCE 6-13 SECTION 2.1.7.3

PIPES INSTALLED THROUGH CMU WALL NOTES:
- SUPPLY: THE FIXTURE SUPPLY LINE SHOULD BE BORED A 1/2" LARGER THAN REQUIRED LINE SIZE AND THE PORTION OF PIPE LOCATED IN CMU WALL SHALL BE WRAPPED WITH 10MIL BLACK TAPE
- WASTE PIPE: THE FIXTURE WASTE LINE SHOULD BE BORED A 1/2" LARGER THAN REQUIRED LINE SIZE.

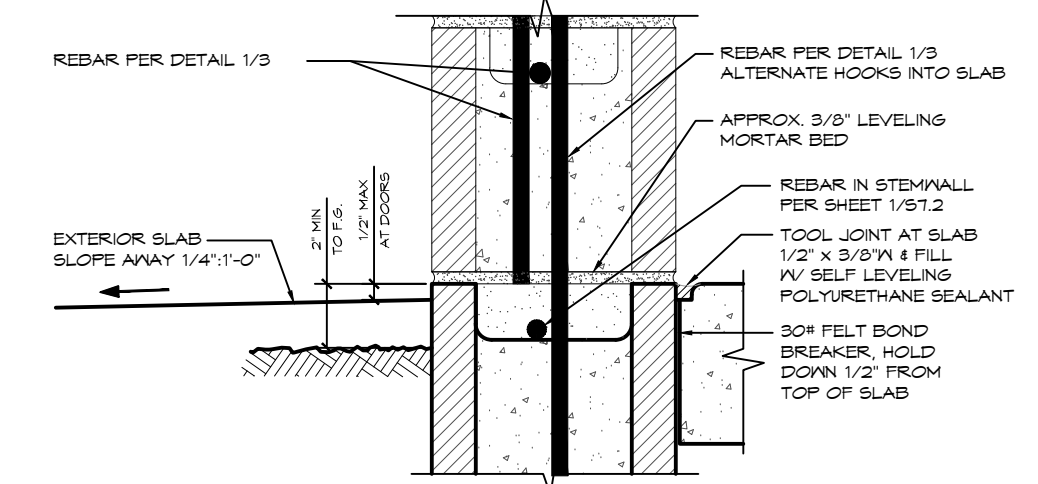
EXTERIOR WALL CONNECTIONS - PER DETAIL 1/4



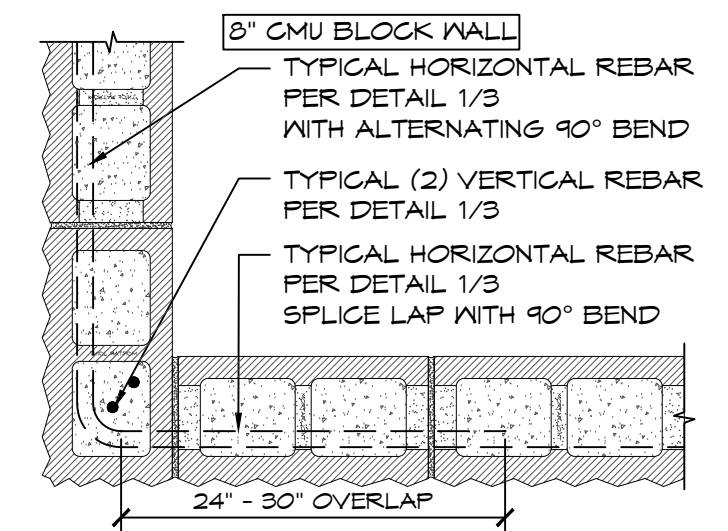
2A WALL-SLAB CONNECTION - MONO
SCALE: 3" = 1'-0"



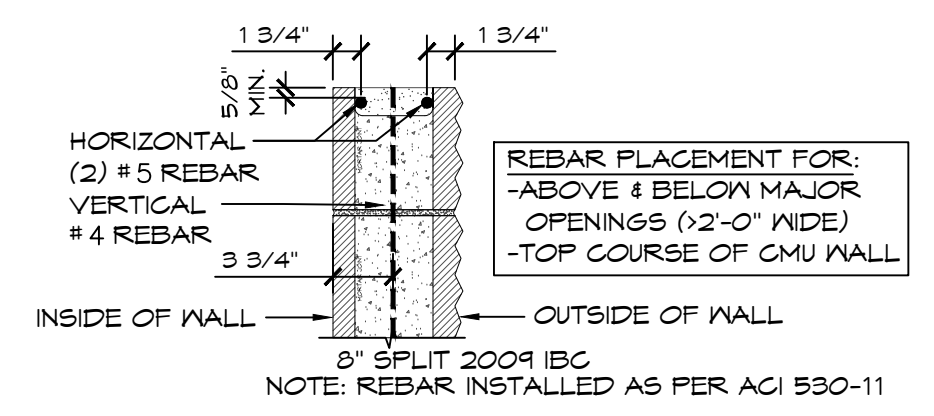
2B WALL-SLAB CONNECTION - STEM
SCALE: 3" = 1'-0"



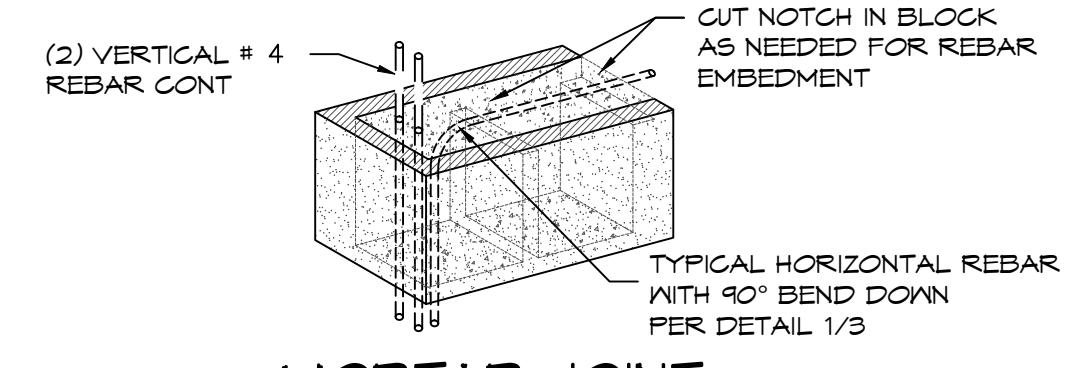
2C WALL-SLAB CONNECTION - CMU STEM
SCALE: 3" = 1'-0"



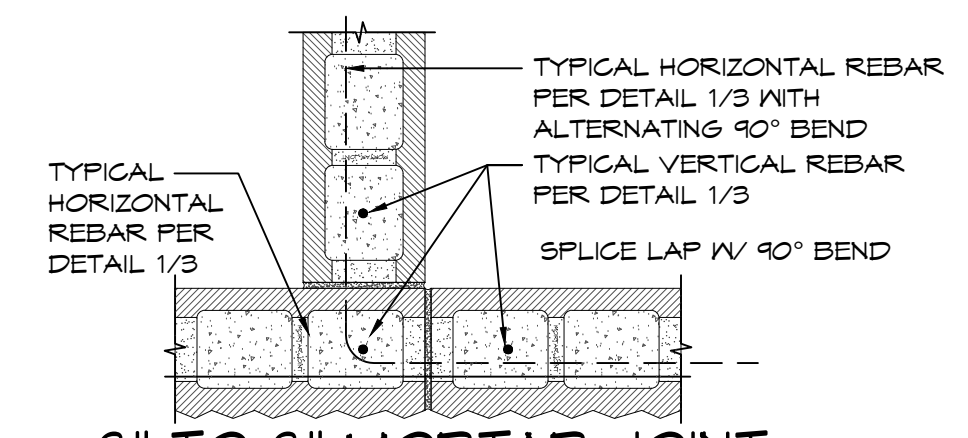
3 MORTAR JOINT CMU CORNER DETAIL
SCALE: 1" = 1'-0"



5 8" CMU REBAR PLACEMENT
SCALE: 1" = 1'-0"



4 MORTAR JOINT CMU WALL END DETAIL
SCALE: 1" = 1'-0"

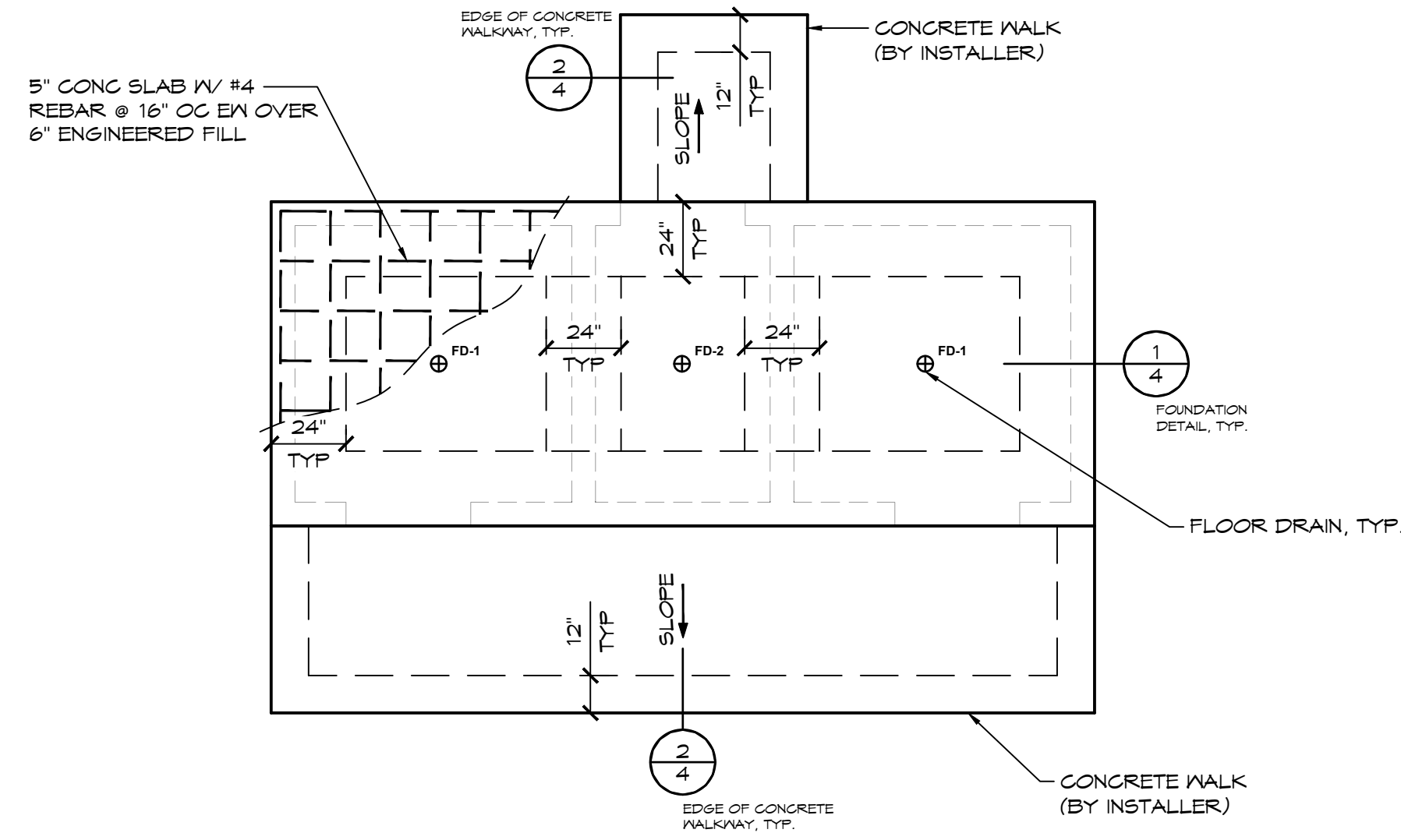


6 8" TO 8" MORTAR JOINT CMU INTERSECTION DETAIL
SCALE: 1" = 1'-0"

REV	DATE	BY	DESCRIPTION

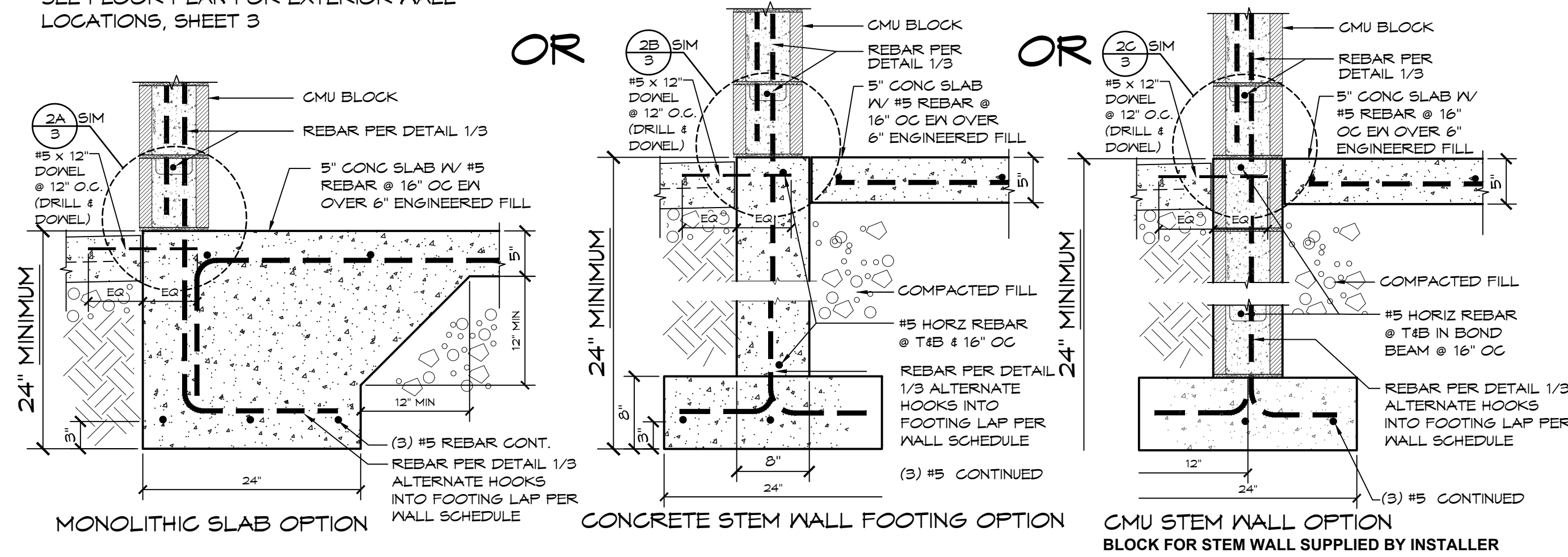
NOT FOR CONSTRUCTION

PROJECT: KIMLEY HORN
KABIAN PARK - RESTROOM
QUAIL VALLEY, CALIFORNIA
SHEET TITLE: STRUCTURAL CMU PLAN & DETAILS
SPECIFICATIONS
PROJECT I.D.# 2286
DATE 02/23/2024
DRAWN BY CR/JRM
SHEET NO.



A FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

EXTERIOR WALL FOUNDATIONS - CHOOSE ONE OF THE FOLLOWING
SEE FLOOR PLAN FOR EXTERIOR WALL LOCATIONS, SHEET 3

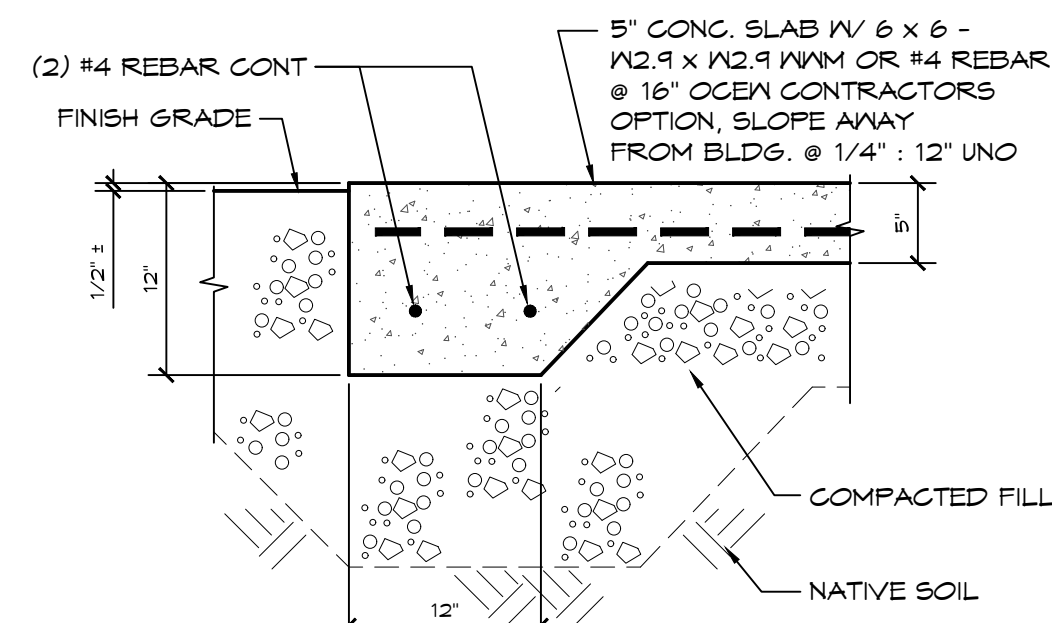


EXTERIOR WALL FOUNDATION DETAIL OPTIONS
SCALE: 1" = 1'-0"

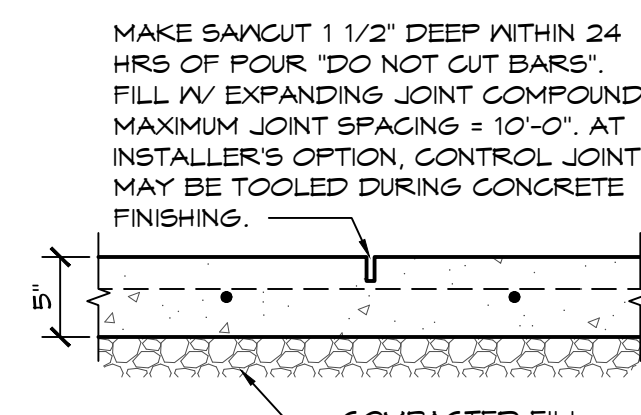
GENERAL NOTES:

- WHEN USING EITHER STEM WALL OPTION RECESS STEM WALL THE THICKNESS OF SLAB AT DOOR THRESHOLD
- PRIVACY WALLS TO HAVE A 30" WIDE x 12" DEEP FOOTING, IF APPLICABLE
- CMU STEM WALL OPTION, CMU BLOCK IS BY INSTALLER
- VERTICAL REBAR IN SLAB/STEM WALL TO MATCH VERTICAL WALL REINFORCEMENT LAP PER WALL SCHEDULE

FOUNDATION DESIGN SHOWN HERE IS PRELIMINARY AND SUBJECT TO CHANGE. FINAL FOUNDATION DESIGN TO BE DETERMINED DURING THE FORTHCOMING FULL DESIGN PHASE FOR THE BUILDING. ANY INCREASED COSTS OR TIME NEEDED TO CONSTRUCT THE FINAL FOUNDATION DESIGN IS BETWEEN THE END OWNER AND THE BUILDING INSTALLER



2 EDGE OF CONC. WALKWAY
SCALE: 1" = 1'-0"



3 SAWCUT JOINT
SCALE: 1" = 1'-0"

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REV	DATE	BY	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT: KIMLEY HORN
KABIAN PARK - RESTROOM
GUAL VALLEY, CALIFORNIA
SHEET TITLE: FOUNDATION PLAN & DETAILS
SPECIFICATIONS

PROJECT I.D.# 2286
DATE 02/23/2024
DRAWN BY CR/JRM
SHEET NO.



Riverside County Regional Park and Open-Space District

Kyla Brown, Parks Director / General Manager

ADDENDUM #2

Bid No. PKARC-271
KABIAN PARK IMPROVEMENTS

June 24, 2024

Total Addendum documentation:	15 Pages, 13 items
Bid & Contract Forms, General & Special Conditions:	8 Pages
8 ½" x 11" Addendum Drawings	0 Drawings
30" x 42" Addendum Sheet Drawings	0 Sheets
Specification Sections	1 Spec, 3 pages
Reference Photos	1 page

The following is issued to supplement or revise the Contract Documents. The revisions to the documents are described below. Unless specifically changed by this addendum, the remainder of the drawings, documents, and specifications shall remain in effect as originally issued. It is the obligation of the contractor to make subcontractors aware of this addendum.

GENERAL & BID DOCUMENTS:

- Bid Alternate #1 Clarification:** Bid alternate #1 is solely for the resurfacing of the area in *yellow*. Any adjacent or other work including but not limited to the handicapped parking area, the signage, and the gate are part of the BASE BID and not part of the resurfacing Bid Alternate #1.
- The **Base Bid Scope of Work** is hereby increased as follows:
 - Provide complete **repainting of the existing shade shelters** in the base bid. See new Painting & Coating specification included below (3 pages) and reference photos (1 page).
 - Provide **removal of 1 Eucalyptus tree with stump grinding and backfill** behind the existing restroom building. (Additional details will be provided in Addendum 3).
- Additive Alternate #2 is being added.** The scope of work for Additive Alternate #2 includes generally the following:
 - Provide 4 removable bollards of the type and at the locations as will be shown in Addendum 3.



- b. Provide work to clear 6 existing storm drain culverts and provide some amended decomposed granite surface to the small pedestrian path where the path goes over the storm drain to cover where the storm drain has become exposed. Locations and further description of the scope of work shall be provided in Addendum 3.
4. **Substitutions:** Bidders must request any substitution of the restroom building before bidding. Substitution of the restroom building, basis of design Romtec, is time-critical to the completion of the project. Substitution shall be requested no later than 8 working days before the bid due date.
5. **Deferred Approvals – This Project:** The following item(s) require post-award permitting:
 - a. Restroom Building – Basis of Design: Romtec
6. **Deferred Approvals – Permitting Process:** The timelines for the submission of the Submittal of the pre-designed restroom building shall have a special process. Initiation of the Submittal shall follow the timeline in the General Conditions. Once the Submittal has been accepted as complete, the architect's review will proceed. If there are corrections or comments, the Contractor shall have 5 working days to respond. The response shall not be deemed compliant with this timeline unless every item is properly addressed.

Once a complete and acceptable Submittal for an item requiring Deferred Approval is in place the District shall move the Submittal into permitting. The permitting process is with an entity internal to the Parks system and typically takes 2-3 weeks for an initial response. If comments are made, the Contractor shall have 5 working days to respond. The response shall not be deemed compliant with this timeline unless every item is properly addressed.

The permitting agent typically responds to replies to comments in 2 weeks or less. Every effort by the District and the Architect shall be made to expedite permitting. Time is of the essence for all parties. If the Contractor finds that an extension to response time is necessary, a written request shall be presented to the District's Project Manager for consideration at least 2 working days before the expiration of response days and must include detailed reasons for the extension.

7. **Special Conditions**

- a. **Paragraph 12 Site and Project Specific Conditions** shall be appended to include the following new paragraph:

“k. The park shall remain closed for the duration of the work. The camp host shall remain on site. Shutoff of water and electricity shall be shown on the 2-week look-ahead schedule and written notice to the District's Project Manager shall be provided 3 working days before shutoffs.”
- b. **Appendix A Federal Contracting Provisions:** Replace Appendix A in its entirety (8 pages provided below).

8. **Self-performance percentages do not apply.** Any reference in the specifications to the **Green Book shall be for construction specification reference only** and only when the specifications mention it. The Green Book’s general contract requirements are not being invoked on this project. This includes but is not limited to any self-performance requirements.
9. There is **no workforce agreement** on this project including, but not limited to, a PLA (Project Labor Agreement), a PSA (Project Stabilization Agreement), a CBA (Collective Bargaining Agreement), or a CWA (Community Workforce Agreement).
10. This project **is subject to both State** Prevailing Wage Rates **and Federal** Davis-Bacon **Wage Rates**. Both DIR uploads and physical submission of wage records to the District are therefore required, as well as full compliance with both regulations.
11. The **non-mandatory** job walk that was held was and remains non-mandatory. The Project is at a public park. Feel free to visit the site during hours it is open to the public.
12. Bid security provided as a bond must be included in the single electronic .pdf file bid submission upload. **If a check or other non-bond security is being provided** as allowed by the bid documents, it must be sent to and received by the Riverside County Parks and Open-Space District at the address below in advance of the bid date and time. It is the sole responsibility of the bidder to make sure the bid security is in place at or before the bid time. **No hard copy bonds** are requested. Bond validity will be verified with the bonding agent during post-bid review of responsiveness.
13. **A third addendum is being prepared.** It will provide details regarding the tree removal/stump grinding, bollard locations & type, clarification of the location and scope of work to clear the storm drain culverts, and a *new bid form* to incorporate the addition of Additive Alternate #2.

SPECIFICATIONS:

#	Specification Full Reference	Change
1	099000	Painting & Coating new specification added in support of shade shelter repainting.

PLANS:

#	Plan Sheet Full Reference	Change
	None	

END OF ADDENDUM 2

EXHIBIT A to Special Conditions: FEDERAL CONTRACTING PROVISIONS

THIS EXHIBIT ONLY APPLIES IF FEDERAL FUNDING IS APPLICABLE PER THE SPECIAL CONDITIONS

If applicable, this form will be due post-bid and within 24 hours after request.

By signing the Contract, Contractor acknowledges and agrees that this Project is funded, in whole or part, by ARPA funds and is subject to federal statutory and regulatory procurement requirements, including, without limitation 2 CFR Part 200, et seq. Contractor agrees to fully comply with all federal requirements for the use of ARPA funds, including, without limitation, the federally required contract provisions herein.

BYRD ANTI-LOBBYING AMENDMENT CERTIFICATION (44 C.F.R. PART 18- CERTIFICATION REGARDING LOBBYING)

The undersigned [Subrecipient] certifies, to the best of his or her knowledge, 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 an 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 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.
- C. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

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 (as amended by the Lobbying Disclosure Act of 1995). 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.

SUBRECIPIENT (Contractor)

The Subrecipient certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Subrecipient understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.

I certify that I am duly authorized to legally bind the Contractor to this certification, that the contents of this certification are true, and that this certification is made under the laws of the State of California.

Date: _____

Proper Name of Subrecipient Contractor: _____

Signature: _____

Print Name: _____

Title: _____

Should funding be allocated through American Rescue Plan Act (ARPA; (Title VI of the Social Security Act Section 602 et seq.), the COUNTY will administer and distribute those funds in accordance with ARPA. ARPA requires that payments from the Coronavirus Fiscal Recovery Fund be used to respond to the public health emergency or its negative economic impacts, to respond to workers performing essential work during the COVID-19 public health emergency by providing premium pay, provide government services to the extent the reduction of revenue due to COVID-19 public health emergency, and to make necessary investments in water, sewer or broadband infrastructure. It is effective beginning May 17, 2021 and ends on December 31, 2026.

Subrecipient acknowledges and agrees that this Agreement is subject to the federal requirements, including the federal provisions provided below:

1. NON-DISCRIMINATION. Subrecipient shall not be discriminate in the provision of services, allocation of benefits, accommodation in facilities, or employment of personnel on the basis of ethnic group identification, race, religious creed, color, national origin, ancestry, physical handicap, medical condition, marital status or sex in the performance of this Agreement; and, to the extent they shall be found to be applicable hereto, shall comply with the provisions of the California Fair Employment and Housing Act (Gov. Code 12900 et. seq), the Federal Civil Rights Act of 1964 (P.L. 88-352), the Americans with Disabilities Act of 1990 (42 U.S.C. S1210 et seq.) and all other applicable laws or regulations.

2. EQUAL EMPLOYMENT OPPORTUNITY/ FAIR EMPLOYMENT PRACTICES/ FEDERAL PROVISIONS. During the performance of this Agreement, the Subrecipient shall not deny benefits to any person on the basis of religion, color, ethnic group identification, sex, age, physical or mental disability, nor shall they discriminate unlawfully against any employee or applicant for employment because of race, religion, color, national origin, ancestry, physical handicap, mental disability, medical condition, marital status, age, or sex. Subrecipient shall ensure that the evaluation and treatment of employees and applicants for employment are free of such discrimination.

A. Subrecipient shall comply with the provisions of the Fair Employment and Housing Act (Government Code, Section 12900 et seq.), the regulations promulgated thereunder (California Code of Regulations, Title 2, Section 11000 et seq.), the provisions of Executive Order 11246 of Sept. 23, 1965 and of the rules, regulations, and relevant orders of the Secretary of Labor, the provisions of Article 9.5, Chapter 1, Part 1, Division 3, Title 2 of the Government Code (Government Code, Sections 11135-11139.8), and of the rules, regulations or standards adopted by the County to implement such article.

B. The Subrecipient shall comply with the provisions of the Copeland "Anti-Kickback" Act, 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this Agreement.

3. CLEAN AIR ACT. The Subrecipient agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. Section 7401 et seq. The Subrecipient agrees to report each violation to the County and understands and agrees that the County will, in turn, report each violation as required to assure notification to the California Governor's Office of Emergency Services, Federal Emergency Management Agency (FEMA), and the appropriate Environmental Protection Agency Regional Office. The Subrecipient agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA.

4. FEDERAL WATER POLLUTION CONTROL ACT

The Subrecipient agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. Sections 1251 et seq.

The Subrecipient agrees to report each violation to the County and understands and agrees that the County will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency (FEMA), and the appropriate Environmental Protection Agency Regional Office.

The Subrecipient agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA.

5. DEBARMENT AND SUSPENSION CLAUSE

This Agreement is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such the Subrecipient is required to verify that none of the Subrecipient, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

The Subrecipient must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into. This certification is a material representation of fact relied upon by the County. If it is later determined that the Subrecipient did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to the County, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

The bidder or proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

6. BYRD ANTI- LOBBYING AMENDMENT, 31 U.S.C. § 1352 (AS AMENDED)

Subrecipients who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient who in turn will forward the certification(s) to the County.

7. PROCUREMENT OF RECOVERED MATERIALS

In the performance of this Agreement, the Subrecipient shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired

A. Competitively within a timeframe providing for compliance with the contract performance schedule;

B. Meeting contract performance requirements; or

C. At a reasonable price.

Information about this requirement, along with the list of EPA-designated items, is available at EPA's Comprehensive Procurement Guidelines web site, <https://www.epa.gov/smm/comprehensive-procurement-guideline-cpg-program>

The Subrecipient also agrees to comply with all other applicable requirements of Section 6002 of the Solid Waste Disposal Act.

8. ACCESS TO RECORDS

The following access to records requirements apply to this Agreement:

- A. The Subrecipient agrees to provide the County, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the Subrecipient which are directly pertinent to this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions.
- B. The Subrecipient agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.
- C. The Subrecipient agrees to provide the FEMA Administrator or his or her authorized representatives access to construction or other work sites pertaining to the work being completed under the contract.
- D. In compliance with the Disaster Recovery Act of 2018, the County and the Subrecipient acknowledge and agree that no language in this contract is intended to prohibit audits or internal reviews by the FEMA Administrator or the Comptroller General of the United States.

9. DEPARTMENT OF HOMELAND SECURITY SEAL, LOGO, FLAGS

The Subrecipient shall not use the DHS seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific FEMA pre-approval.

10. COMPLIANCE WITH FEDERAL LAW, REGULATIONS, AND EXECUTIVE ORDERS

This is an acknowledgement that FEMA financial assistance will be used to fund all or a portion of the contract. The Subrecipient will comply with all applicable Federal law, regulations, executive orders, FEMA policies, procedures, and directives.

11. NO OBLIGATION BY FEDERAL GOVERNMENT

The Federal Government is not a party to this Agreement and is not subject to any obligations or liabilities to the non-Federal entity, contractor, or any other party pertaining to any matter resulting from the contract.

12. PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS

The Subrecipient acknowledges that 31 U.S.C. Chapter 38 (Administrative Remedies for False Claims and Statements) applies to the Subrecipient's actions pertaining to this Agreement.

13. FEDERAL PREVAILING WAGE

DAVIS-BACON ACT COMPLIANCE (applicable to construction contracts in excess of \$2,000 awarded by grantees and subgrantees when required by Federal grant program legislation)

To the extent required by any Federal grant programs applicable to expected funding or reimbursement expenses incurred in connection with the services provided under this Agreement, Subrecipient agrees to comply with the Davis-Bacon Act (40 U.S.C. §§ 3141-3144 and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5) as set forth below.

- A. The Subrecipient shall be bound to the provisions of the Davis-Bacon Act, and agrees to be bound by all the provisions of Labor Code section 1771 regarding prevailing wages. All labor on this project shall be paid neither less than the greater of the minimum wage rates established by the U.S. Secretary of Labor (Federal

Wage Rates), or by the State of California Director of Department of Industrial Relations (State Wage Rates). Current DIR requirements may be found at <http://www.dir.ca.gov/lcp.asp>. Additionally, wages are required to be paid not less than once a week.

B. The general prevailing wage rates may be accessed at the Department of Labor Home Page at www.wdol.gov. Under the Davis Bacon heading, click on "Selecting DBA WDs." In the drop down menu for State, select, "California." In the drop down menu for County, select "Riverside." In the drop down menu for Construction Type, make the appropriate selection. Then, click Search.

The Federal minimum wage rates for this project are predetermined by the United States Secretary of Labor. If there is a difference between the minimum wage rates predetermined by the Secretary of Labor and the general prevailing wage rates determined by the Director of the California DIR for similar classifications of labor, the Subrecipient and subcontractors shall pay not less than the higher wage rate. The County will not accept lower State wage rates not specifically included in the Federal minimum wage determinations. This includes "helper" (or other classifications based on hours of experience) or any other classification not appearing in the Federal wage determinations. Where Federal wage determinations do not contain the State wage rate determination otherwise available for use by the Subrecipient and subcontractors, the Subrecipient and subcontractors shall pay not less than the Federal minimum wage rate which most closely approximates the duties of the employees in question.

14. CONTRACT WORK HOURS AND SAFETY STANDARDS (applicable to all contracts in excess of \$100,000 that involve the employment of mechanics or laborers, but not to purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence)

A. Compliance: Subrecipient agrees that it shall comply with Sections 3702 and 3704 of the Contract Work Hours and Safety Standards Act (40 U.S.C. §§ 3701–3708) as supplemented by Department of Labor regulations (29 CFR Part 5), which are incorporated herein.

B. Overtime: No contractor or subcontractor contracting for any part of the work under this Agreement 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.

C. Violation; liability for unpaid wages; liquidated damages: In the event of any violation of the provisions of paragraph B of this section, the Subrecipient and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such Subrecipient and subcontractor shall be liable to the United States for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic employed in violation of the provisions of paragraph B, in the sum of \$10 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 paragraph B.

D. Withholding for unpaid wages and liquidated damages: Subrecipient shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or 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, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set for in paragraph C of this section.

E. Subcontracts: The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraphs A through D of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs A through D of this section.

15. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT— Contracts or agreements for the performance of experimental, developmental, or research work shall provide for the rights of the Federal Government and the recipient in any resulting invention in accordance with 37 CFR part 401, “Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements,” and any implementing regulations issued by HUD.

16. RIGHTS TO DATA AND COPYRIGHTS – Subrecipients and consultants agree to comply with all applicable provisions pertaining to the use of data and copyrights pursuant to 48 CFR Part 27.4, Federal Acquisition Regulations (FAR).

17. PROHIBITION ON CONTRACTING FOR COVERED TELECOMMUNICATIONS EQUIPMENT OR SERVICES

A. Definitions. As used in this clause, the terms backhaul; covered foreign country; covered telecommunications equipment or services; interconnection arrangements; roaming; substantial or essential component; and telecommunications equipment or services have the meaning as defined in FEMA Policy, #405-143-1 Prohibitions on Expending FEMA Award Funds for Covered Telecommunications Equipment or Services As used in this clause—

B. Prohibitions.

(1) Section 889(b) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019, Pub. L. No. 115-232, and 2 C.F.R. § 200.216 prohibit the head of an executive agency on or after Aug.13, 2020, from obligating or expending grant, cooperative agreement, loan, or loan guarantee funds on certain telecommunications products or from certain entities for national security reasons.

(2) Unless an exception in paragraph (c) of this clause applies, the contractor and its subcontractors may not use grant, cooperative agreement, loan, or loan guarantee funds from the Federal Emergency Management Agency to:

(i) Procure or obtain any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology of any system;

(ii) Enter into, extend, or renew a contract to procure or obtain any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology of any system;

(iii) Enter into, extend, or renew contracts with entities that use covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system; or (iv) Provide, as part of its performance of this contract, subcontract, or other contractual instrument, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.

C. Exceptions.

(1) This clause does not prohibit contractors from providing—

a. A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

b. Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(2) By necessary implication and regulation, the prohibitions also do not apply to:

a. Covered telecommunications equipment or services that:

i. Are not used as a substantial or essential component of any system; and

ii. Are not used as critical technology of any system.

- b. Other telecommunications equipment or services that are not considered covered telecommunications equipment or services.
- D. Reporting requirement.
- (1) In the event the contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the contractor is notified of such by a subcontractor at any tier or by any other source, the contractor shall report the information in paragraph (d)(2) of this clause to the recipient or subrecipient, unless elsewhere in this contract are established procedures for reporting the information.
- (2) The Subrecipient shall report the following information pursuant to paragraph (d)(1) of this clause:
- (i) Within one business day from the date of such identification or notification: The contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.
- ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: Any further available information about mitigation actions undertaken or recommended. In addition, the contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services. Page 10
- E. Subcontracts. The Subrecipient shall insert the substance of this clause, including this paragraph (e), in all subcontracts and other contractual instruments.

18. REPORTING OF MATTERS RELATED TO RECIPIENT INTEGRITY AND PERFORMANCE

A. General Reporting Requirement

If the total value of your currently active grants, cooperative agreements, and procurement contracts from all Federal awarding agencies exceeds \$10,000,000 for any period of time during the period of performance of this Federal award, then you as the recipient during that period of time must maintain the currency of information reported to the System for Award Management (SAM) that is made available in the designated integrity and performance system (currently the Federal Awardee Performance and Integrity Information System (FAPIIS)) about civil, criminal, or administrative proceedings described in paragraph 2 of this award term and condition. This is a statutory requirement under section 872 of [Public Law 110-417](#), as amended ([41 U.S.C. 2313](#)). As required by section 3010 of [Public Law 111-212](#), all information posted in the designated integrity and performance system on or after April 15, 2011, except past performance reviews required for Federal procurement contracts, will be publicly available.

B. Proceedings About Which You Must Report

Submit the information required about each proceeding that:

- a. Is in connection with the award or performance of a grant, cooperative agreement, or procurement contract from the Federal Government;
- b. Reached its final disposition during the most recent five-year period; and
- c. Is one of the following:
- C. (1) A criminal proceeding that resulted in a conviction, as defined in paragraph 5 of this award term and condition;
- D. (2) A civil proceeding that resulted in a finding of fault and liability and payment of a monetary fine, penalty, reimbursement, restitution, or damages of \$5,000 or more;

E. (3) An administrative proceeding, as defined in paragraph 5. of this award term and condition, that resulted in a finding of fault and liability and your payment of either a monetary fine or penalty of \$5,000 or more or reimbursement, restitution, or damages in excess of \$100,000; or

F. (4) Any other criminal, civil, or administrative proceeding if:

(i) It could have led to an outcome described in paragraph 2.c.(1), (2), or (3) of this award term and condition;

(ii) It had a different disposition arrived at by consent or compromise with an acknowledgment of fault on your part; and

(iii) The requirement in this award term and condition to disclose information about the proceeding does not conflict with applicable laws and regulations.

C. Reporting Procedures

Enter in the SAM Entity Management area the information that SAM requires about each proceeding described in paragraph 2 of this award term and condition. You do not need to submit the information a second time under assistance awards that you received if you already provided the information through SAM because you were required to do so under Federal procurement contracts that you were awarded.

D. Reporting Frequency

During any period of time when you are subject to the requirement in paragraph 1 of this award term and condition, you must report proceedings information through SAM for the most recent five year period, either to report new information about any proceeding(s) that you have not reported previously or affirm that there is no new information to report. Recipients that have Federal contract, grant, and cooperative agreement awards with a cumulative total value greater than \$10,000,000 must disclose semiannually any information about the criminal, civil, and administrative proceedings.

E. Definitions

For purposes of this award term and condition:

a. Administrative proceeding means a non-judicial process that is adjudicatory in nature in order to make a determination of fault or liability (*e.g.*, Securities and Exchange Commission Administrative proceedings, Civilian Board of Contract Appeals proceedings, and Armed Services Board of Contract Appeals proceedings). This includes proceedings at the Federal and State level but only in connection with performance of a Federal contract or grant. It does not include audits, site visits, corrective plans, or inspection of deliverables.

b. Conviction, for purposes of this award term and condition, means a judgment or conviction of a criminal offense by any court of competent jurisdiction, whether entered upon a verdict or a plea, and includes a conviction entered upon a plea of *nolo contendere*.

c. Total value of currently active grants, cooperative agreements, and procurement contracts includes -

G. (1) Only the Federal share of the funding under any Federal award with a recipient cost share or match; and

H. (2) The value of all expected funding increments under a Federal award and options, even if not yet exercised.

End of Exhibit A to Special Conditions

SECTION 099000
PAINTING AND COATING – BASED ON SHERWIN-WILLIAMS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Surface preparation.
- B. Exterior painting and coating systems.
- C. Scope:
 - 1. Finish surfaces exposed to view, unless fully factory-finished and unless otherwise indicated, including the following:
 - a. Exterior:
 - 1. Shade Shelters all surfaces

1.02 REFERENCE STANDARDS

- A. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency current edition.
- B. SCAQMD 1113 - Architectural Coatings 1977, with Amendment (2016).
- C. SSPC-SP 1 - Solvent Cleaning 2015, with Editorial Revision (2016).
- D. SSPC-SP 6 - Commercial Blast Cleaning 2007.

1.03 – 1.05 Not Used

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- B. Container Label: Include manufacturer's name, type of paint, product name, product code, color designation, VOC content, batch date, environmental handling, surface preparation, application, and use instructions.
- C. Paint Materials: Store at a minimum of 45 degrees F (7 degrees C) and a maximum of 90 degrees F (32 degrees C), in ventilated area, and as required by manufacturer's instructions.

1.07 FIELD CONDITIONS

- A. Do not apply materials when environmental conditions are outside the ranges required by manufacturer.
- B. Follow manufacturer's recommended procedures for producing the best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Basis of Design Products: Subject to compliance with requirements, provide Sherwin-Williams Company (The) products indicated; www.sherwin-williams.com/#sle.
- B. Comparable Products: Products of approved manufacturers will be considered in accordance with 016000 - Product Requirements, and the following:
 - 1. Products are approved by manufacturer in writing for application specified.
 - 2. Products that meet or exceed performance and physical characteristics of basis of design products.
 - 3. Other Acceptable Manufacturers:
 - a. Dunn Edwards.
 - b. PPG.
 - c. Benjamin-Moore.

2.02 PAINTINGS AND COATINGS

- A. General:
 - 1. Provide factory-mixed coatings unless otherwise indicated.
 - 2. When required, mix coatings to correct consistency in accordance with manufacturer's instructions before application.
 - 3. Do not reduce, thin, or dilute coatings or add materials to coatings unless specifically indicated in manufacturer's instructions.
- B. Volatile Organic Compound (VOC) Content:
 - 1. Provide paints and finishes that comply with the most stringent requirements specified in the following:

- a. 40 CFR 59, Subpart D--National Volatile Organic Compound Emission Standards for Architectural Coatings.
 - b. SCAQMD 1113 Rule.
- C. Accessory Materials: Provide primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of painted surfaces.

2.03 PAINT SYSTEMS – EXTERIOR

- A. Wood Substrates: Latex System Semi-Gloss
- a. Prime Coat : S-W PrepRite ProBlock Latex Primer/Sealer, B51-620 Series, at 4.0 mils wet, 1.4 mils dry.
 - b. 1st and 2nd Coat: S-W SuperPaint Exterior Latex Satin, A89 Series, at 4.0 mils wet, 1.3 mils dry, per coat
- B. Concrete Masonry Units (CMU) Cinder or Concrete Block:
Latex System:
- a. Block Filler: S-W PrepRite Block Filler, B25W25, at 75 to 125 sq. ft. per gal..
 - b. 1st and 2nd Coat: S-W SuperPaint Exterior Latex Flat, A80 Series, at 4.0 mils wet 1.4 mils dry, per coat.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that surfaces are ready to receive work as instructed by the product manufacturer.
- B. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially effect proper application.

3.02 PREPARATION

- A. Clean surfaces thoroughly and correct defects prior to application.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Ferrous Metal:
 - 1. Solvent clean according to SSPC-SP 1.
 - 2. Shop-Primed Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Prime bare steel surfaces.
 - 3. Remove rust, loose mill scale, and other foreign substances using methods recommended by paint manufacturer and blast cleaning according to SSPC-SP 6. Protect from corrosion until coated.

3.03 APPLICATION

- A. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.
- B. Apply products in accordance with manufacturer's written instructions.
- C. Apply coatings at spread rate required to achieve manufacturer's recommended dry film thickness.

3.04 PRIMING

- A. Apply primer to all surfaces unless specifically not required by coating manufacturer. Apply in accordance with coating manufacturer's instructions.
- B. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to top coat manufacturers.

3.05 CLEANING

- A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.
- B. Clean surfaces immediately of overspray, splatter, and excess material.
- C. After coating has cured, clean and replace finish hardware, fixtures, and fittings previously removed.

3.06 PROTECTION

- A. Protect finished coatings from damage until completion of project.

Additional requirements:

1. **Before painting, replace wood rot areas with new equivalent wood, seam to seam.**
2. Remove nails, screws, tape, etc. which may have been added after the original installation due to public use/abuse.
3. Paint electrical boxes, conduit, & pipes, if any are affixed to the units, taking care to not seal or interfere with function and useability
4. Any water used shall be contained and protected from entering any storm drain or stream bed. All paint chips and visible debris shall be contained and removed. All cleaning of brushes or other items used shall be done off-site or in a contained manner for removal offsite.

END OF SPECIFICATION

Reference photos: Shade Shelters





Riverside County Regional Park and Open-Space District

Kyla Brown, Parks Director / General Manager

ADDENDUM #3

Bid No. PKARC-271
KABIAN PARK IMPROVEMENTS

June 27, 2024

Total Addendum documentation:	8 Pages, 3 items
Bid & Contract Forms, General & Special Conditions:	2 Pages
8 ½" x 11" Addendum Drawings	0 Drawings
30" x 42" Addendum Sheet Drawings	4 Sheets
Specification Sections	0 Spec, 0 pages
Reference Photos	0 Pages

The following is issued to supplement or revise the Contract Documents. The revisions to the documents are described below. Unless specifically changed by this addendum, the remainder of the drawings, documents, and specifications shall remain in effect as originally issued. It is the obligation of the contractor to make subcontractors aware of this addendum.

GENERAL & BID DOCUMENTS:

1. **Base Scope addition:** Remove the tree behind the existing restroom building. **Note:** Scope includes covering over the stump to grade with material from the site. See also the revised plan sheet C-200 dated 6-25-24.
2. **Additive Alternate #2 is being added:** The scope of work for Additive Alternate #2 includes the following as per the plans issued herewith:

Additive Alternate #2: Bollards & Culverts:

- a. Provide FIVE (5) removable bollards of the type and at the locations as shown on Exhibits A & B – Removable Bollards per new plan sheets 1 of 3 and 2 of 3 dated 6-25-24.
- b. Provide work to clear FOUR (4) existing storm drain culverts and provide some amended decomposed granite surface to the small pedestrian path where the path goes over the storm drain to cover where the storm drain has become exposed. Locations and further description of the scope of work as shown on Exhibit C – Existing Culver Cleaning new plan sheet 3 of 3 dated 6-25-24.



3. Replace Bid Form (Partial):
 The bid form has been modified to incorporate the new Additive Alternate #2 – Bollards and Culverts work.

Replace **pages 14 and 15 only** of the Bid Form.

The 2 revised pages are provided below.
 The balance of the bid form remains as previously issued.

SPECIFICATIONS:

#	Specification Full Reference	Change
	None	

PLANS:

#	Plan Sheet Full Reference	Change
C-200	Demolition Plan 06/25/24	Modified to include tree removal behind the existing restroom as part of the base bid.
1 of 3	Exh. A – Removable Bollards Plan 06/25/24	Issued in support of new Additive Alternate #2.
2 of 3	Exh. B – Removable Bollard Detail 06/25/24	Issued in support of new Additive Alternate #2.
3 of 3	Exh. C – Existing Culvert Cleaning 06/25/24	Issued in support of new Additive Alternate #2.

END OF ADDENDUM 3

General Note - All Bids: Any dates and times originally published by the Riverside County Board of Supervisors are subject to change. Changes are reflected in the bid documents and any addenda that may be issued thereto.

BID FORM - REQUIRED AT TIME OF BID

To: Governing Board of Riverside County Regional Park and Open-Space District ("District")

From: _____
(Proper Name of Bidder)

No.: _____ L# _____ Exp: _____
Bidder's DIR Registration No. Contractor's CA License No.

The undersigned declares that the Contract Documents including, without limitation, the Invitation to Bid, the Instructions to Bidders, and the Special Conditions have been read, and agrees and proposes to furnish all necessary labor, materials, and equipment to perform and furnish all work in accordance with the terms and conditions of the Contract Documents, including, without limitation, the Drawings and Specifications for the following project:

Kabian Park Improvements ("Project" or "Contract")

and will accept in full payment for that Work the following total lump sum amount, all taxes included:

BASE BID (In Dollars\$ - PRINT CLEARLY – 1 DIGIT IN EACH BOX):

		,				,			.		
										Dollars	Cents

NOTE: IF THERE ARE ALTERNATES OR ALLOWANCES IDENTIFIED IN THIS BID FORM, DO NOT INCLUDE ANY ALTERNATES OR ALLOWANCE(S) AMOUNTS IN THE BASE BID AMOUNT.

Additive/Deductive Alternates:

Additive Alternate #1: Surfacing of the entry road and parking lot as shown in yellow and described in further detail on the plans.

		,				,			.		
										Dollars	Cents

Additive Alternate #2: Bollards and Culverts: Install 5 bollards and clear 4 culverts as per plans and scope as issued by Addendum #3 (3 sheets – Exh. A, B & C.)

		,				,			.		
										Dollars	Cents

The brief descriptions of alternates above are primarily scope definitions and do not necessarily detail the full range of materials and processes needed to complete the construction.

Allowance(s)

The Bidder's Base Bid shall **NOT** include the following potential Allowance(s). The District will add some or all of the following Allowance(s) amount(s) to the successful bidder's Contract at the District's discretion.

Potential allowances are as follows:

Allowance #1: This allowance shall be used for, but not limited to, the following: Unforeseen or unforeseeable conditions, owner-requested changes, environmental hazards, unforeseen delays, or other similar project costs.

Allowance value: \$100,000 and up to 5 calendar days

*The balance of this page is intentionally left blank.
Bid form continues on next page.*



Kimley»Horn

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1100 W TOWN AND COUNTRY ROAD, SUITE 700,
ORANGE, CA 92668
PHONE: 714-939-1030 FAX: 714-938-9488
WWW.KIMLEY-HORN.COM



**KABIAN PARK
IMPROVEMENTS
COUNTY OF RIVERSIDE**
28001 GOETZ ROAD
QUAIL VALLEY, CA 92587

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	06/13/2024	FOR BID
3	06/25/2024	ADDENDUM 3

100% SUBMITTAL

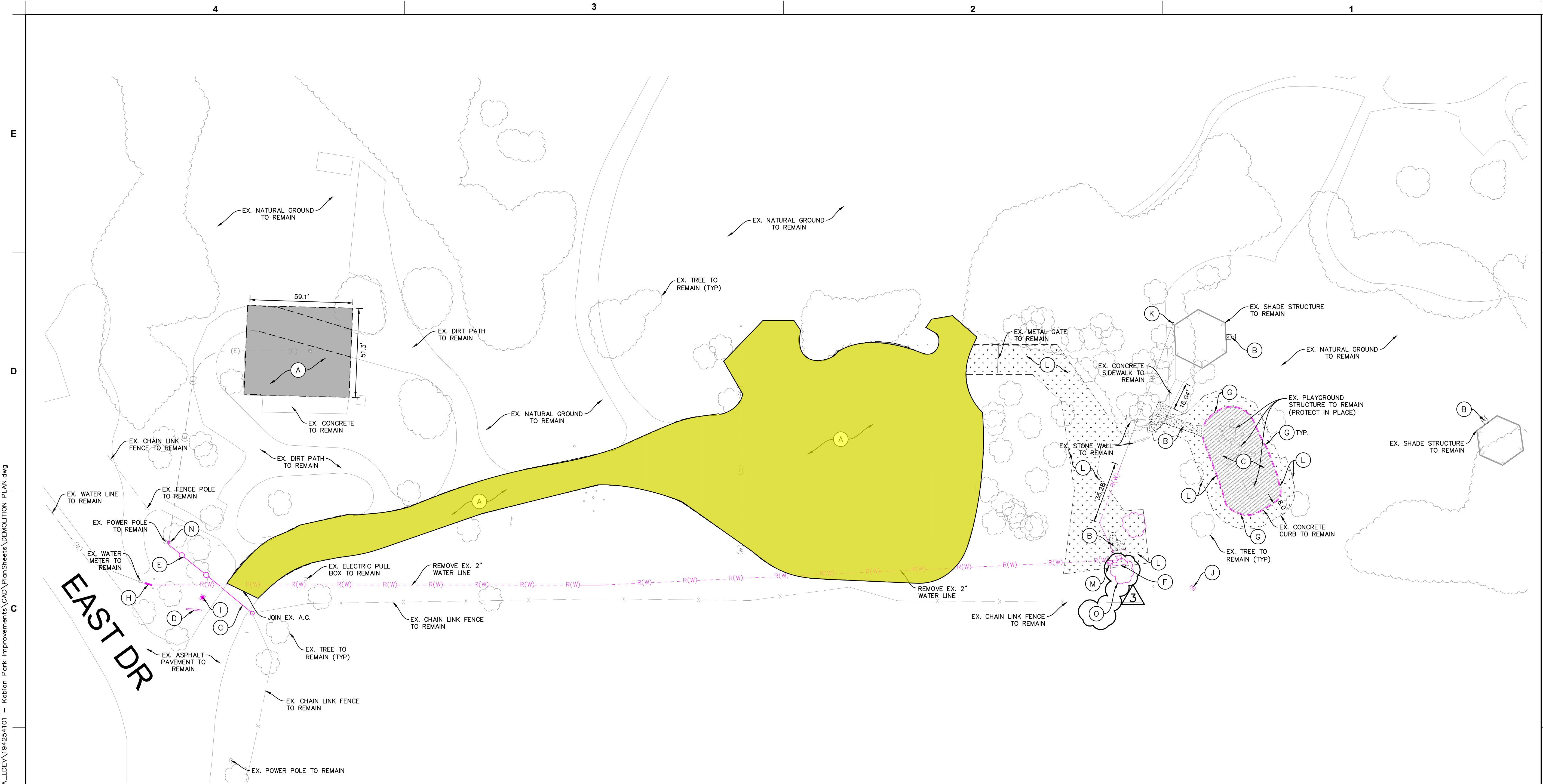
CONSULTANT PROJECT #	194254101
PRINTED FOR	
DATE	06/13/2024
DRAWN BY	GH/CM

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SHEET
DEMOLITION PLAN

SHEET NUMBER

C-200



DEMOLITION KEYNOTES:

NOT ALL KEYNOTES ARE USED AS NOTED ON THIS SHEET

(A)	CONTRACTOR SHALL GRADE THE SHADED AREA PER PROPOSED ELEVATIONS PROVIDED ON GRADING PLAN. REMOVE AND DISPOSE SOIL AS NEEDED TO ACHIEVE PROPOSED ELEVATIONS FOR PROPOSED DECOMPOSED GRANITE PAVING SHOWN ON C-300.	(F)	REMOVE AND DISPOSE EXISTING RESTROOM BUILDING WITH ASSOCIATED FOUNDATION. CAP AND REMOVE EXISTING UTILITIES WITHIN THE BUILDING FOOTPRINT
(B)	REMOVE AND DISPOSE EXISTING CONCRETE SIDEWALK	(G)	REMOVE AND DISPOSE EXISTING CONCRETE CURB
(C)	REMOVE EXISTING WOOD CHIP PLAYGROUND SURFACE	(H)	REMOVE AND DISPOSE EXISTING 2" WATER BACKFLOW PREVENTER
(D)	REMOVE AND DISPOSE EXISTING ENTRANCE SIGN & FOOTING	(I)	REMOVE AND DISPOSE EXISTING FLAG POLE & FOOTING
(E)	REMOVE AND DISPOSE EXISTING WOOD FENCE & FOOTING	(J)	REMOVE AND DISPOSE EXISTING ELECTRIC RISER & ASSOCIATED WIRING
(F)	REMOVE AND DISPOSE EXISTING RESTROOM BUILDING WITH ASSOCIATED FOUNDATION. CAP AND REMOVE EXISTING UTILITIES WITHIN THE BUILDING FOOTPRINT	(K)	REMOVE AND DISPOSE EXISTING WATER HOSE BIB
(G)	REMOVE AND DISPOSE EXISTING CONCRETE CURB	(L)	REMOVE AND DISPOSE EXISTING LANDSCAPE AND NATURAL GROUND
(H)	REMOVE AND DISPOSE EXISTING ENTRANCE SIGN & FOOTING	(M)	REMOVE EXISTING SEWER CLEANOUT
(I)	REMOVE AND DISPOSE EXISTING FLAG POLE & FOOTING	(N)	REMOVE AND DISPOSE EXISTING POLE MOUNTED 125A, 120/240V, 3 WIRE, 1 PHASE MAIN ELECTRICAL PANEL AND UTILITY METER ENCLOSURE.
(J)	REMOVE AND DISPOSE EXISTING ELECTRIC RISER & ASSOCIATED WIRING	(O)	REMOVE AND DISPOSE EXISTING TREE, GRIND 12" BELOW STUMP FROM FINISHED GRADE.
(K)	REMOVE AND DISPOSE EXISTING WATER HOSE BIB		
(L)	REMOVE AND DISPOSE EXISTING LANDSCAPE AND NATURAL GROUND		
(M)	REMOVE EXISTING SEWER CLEANOUT		
(N)	REMOVE AND DISPOSE EXISTING POLE MOUNTED 125A, 120/240V, 3 WIRE, 1 PHASE MAIN ELECTRICAL PANEL AND UTILITY METER ENCLOSURE.		
(O)	REMOVE AND DISPOSE EXISTING TREE, GRIND 12" BELOW STUMP FROM FINISHED GRADE.		

BID ALTERNATE:

ALL WORK ASSOCIATED WITH THE GRADING, DECOMPOSED GRANITE PAVING, AND EROSION CONTROL OF THE PARK ENTRY WAY, DRIVE AISLE, AND PARKING LOT WILL BE A BID ALTERNATE. CONTRACTOR SHALL PROVIDE A SEPARATE COST LINE ITEM FOR THIS ALTERNATE BID.

NOTES:

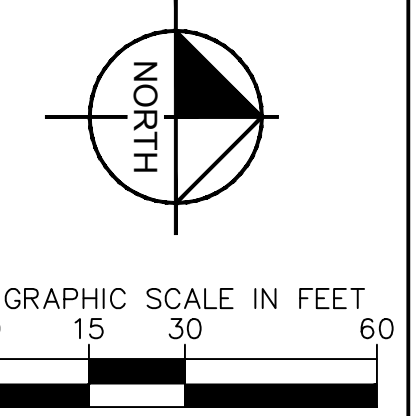
- UNLESS NOTED OTHERWISE, ALL THE MOVABLE ITEMS THAT ARE CURRENTLY LOCATED WITHIN THE WORK AREA NEED TO BE SALVAGED AND STORED DURING THE DEMOLITION AND CONSTRUCTION, AND PLACED BACK AT THE DIRECTION OF THE DISTRICT REPRESENTATIVE AFTER THE WORK IS COMPLETED.
- CONTRACTOR SHALL ENSURE EXISTING IRRIGATION THAT FEEDS LANDSCAPE AREAS ADJACENT THE PROJECT WORK AREA REMAINS FULLY OPERATIONAL THROUGHOUT DURATION OF THE PROJECT. WHEN REQUIRED TO INTERRUPT EXISTING IRRIGATION OPERATIONS, CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY WATER TO MAINTAIN ALL EXISTING ADJACENT LANDSCAPE AREAS IN HEALTHY CONDITION UNTIL IRRIGATION SYSTEM IS RESTORED.
- UNLESS NOTED OTHERWISE, SAWCUT, REMOVE & DISPOSE EXISTING IMPROVEMENTS AS NOTED ABOVE; SALVAGE AND RE-USE OF RECENTLY INSTALLED TUBULAR STEEL FENCE, AND CHAINLINK FENCE MATERIALS IS AT FULL DISCRETION OF THE CONTRACTOR.
- EXISTING IRRIGATION TO REMOVE SHALL INCLUDE HEADS, LATERALS, VALVES, MAINLINES AND WIRING TO BE SALVAGED AND USED TO CONNECT NEW ANY ADJACENT EXISTING IRRIGATION SYSTEMS. SEE IRRIGATION PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING PLANT MATERIAL, INCLUDING TURF, WHICH IS IMPACTED BY THE PROPOSED PROJECT CONSTRUCTION. EXISTING PLANT MATERIAL TO REMAIN SHALL BE ADJUSTED, RELOCATED, SALVAGED/REINSTALLED AND/OR NEWLY FURNISHED AND INSTALLED IN LIKE SIZE AND KIND AS NEAR ITS ORIGINAL LOCATION AS POSSIBLE. NEW LOCATION(S) OF IMPACTED PLANT MATERIAL MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. CONTRACTOR SHALL ENSURE THAT ANY ADJACENT LANDSCAPING OR PLANT MATERIAL IMPACTED BY THESE IMPROVEMENTS IS HEALTHY, DISEASE-FREE AND SHALL PROVIDE A WARRANTY THAT GUARANTEES ALL PLANT MATERIAL REPLACED AND/OR IMPACTED FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF THE CONTRACT.
- THE CONTRACTOR SHALL ADJUST, RELOCATE, SALVAGE, REINSTALL AND/OR FURNISH AND INSTALL NEW IRRIGATION COMPONENTS IN LIKE KIND FOR ANY ADJACENT EXISTING IRRIGATION SYSTEM(S) IMPACTED BY THESE IMPROVEMENTS AND ENSURE THAT THEY ARE IN FULL WORKING ORDER PRIOR TO PROJECT COMPLETION. ANY IRRIGATION THAT IS REMOVED DURING THE CONSTRUCTION PROCESS SHALL BE CAPPED IN A MANNER THAT THE REMAINING PORTIONS OF THE SYSTEM ARE NOT COMPROMISED. EXISTING IRRIGATION LATERAL LINES, HEADS, WIRING AND ALL OTHER ASSOCIATED EQUIPMENT IMPACTED BY THE PROJECT CONSTRUCTION SHALL BE CAREFULLY CUT, CAPPED AND RELOCATED TO EXISTING LANDSCAPE AREAS. PRIOR TO COMPLETION, CONTRACTOR SHALL ENSURE THAT ALL EXISTING IRRIGATION SYSTEMS IMPACTED ARE IN FULL WORKING ORDER WITH COMPLETE HEAD TO HEAD COVERAGE INCLUDING NO OVERSPRAY ONTO HARDSCAPE SURFACES OR WALLS. ANY IRRIGATION EQUIPMENT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN LIKE KIND. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY IRRIGATION TO ANY AREA AFFECTED BY THE PROPOSED IMPROVEMENTS UNTIL COMPLETION OF CONSTRUCTION.

LEGEND:

SYMBOL	DESCRIPTION
---	EXISTING STORM DRAIN LINE TO BE PROTECTED
- - - - (SD) - - - -	EXISTING SANITARY SEWER LINE TO BE PROTECTED
- - - - (S) - - - -	EXISTING TELEPHONE LINE TO BE PROTECTED
- - - - (TEL) - - - -	EXISTING ELECTRICAL LINE TO BE PROTECTED
- - - - (E) - - - -	EXISTING DOMESTIC WATER LINE TO BE PROTECTED
- - - - (W) - - - -	EXISTING GAS LINE TO BE PROTECTED
- - - - (G) - - - -	EXISTING FIRE WATER LINE TO BE PROTECTED
- - - - (F) - - - -	EXISTING CHAIN LINK FENCE TO BE PROTECTED
- - - - (X) - - - -	DOMESTIC WATER LINE TO BE REMOVED
- - - - (R(W)) - - - -	WOOD FENCE TO BE REMOVED
- - - - (R(W)) - - - -	EXISTING TREE TO BE REMOVED

EXISTING UTILITY NOTES:

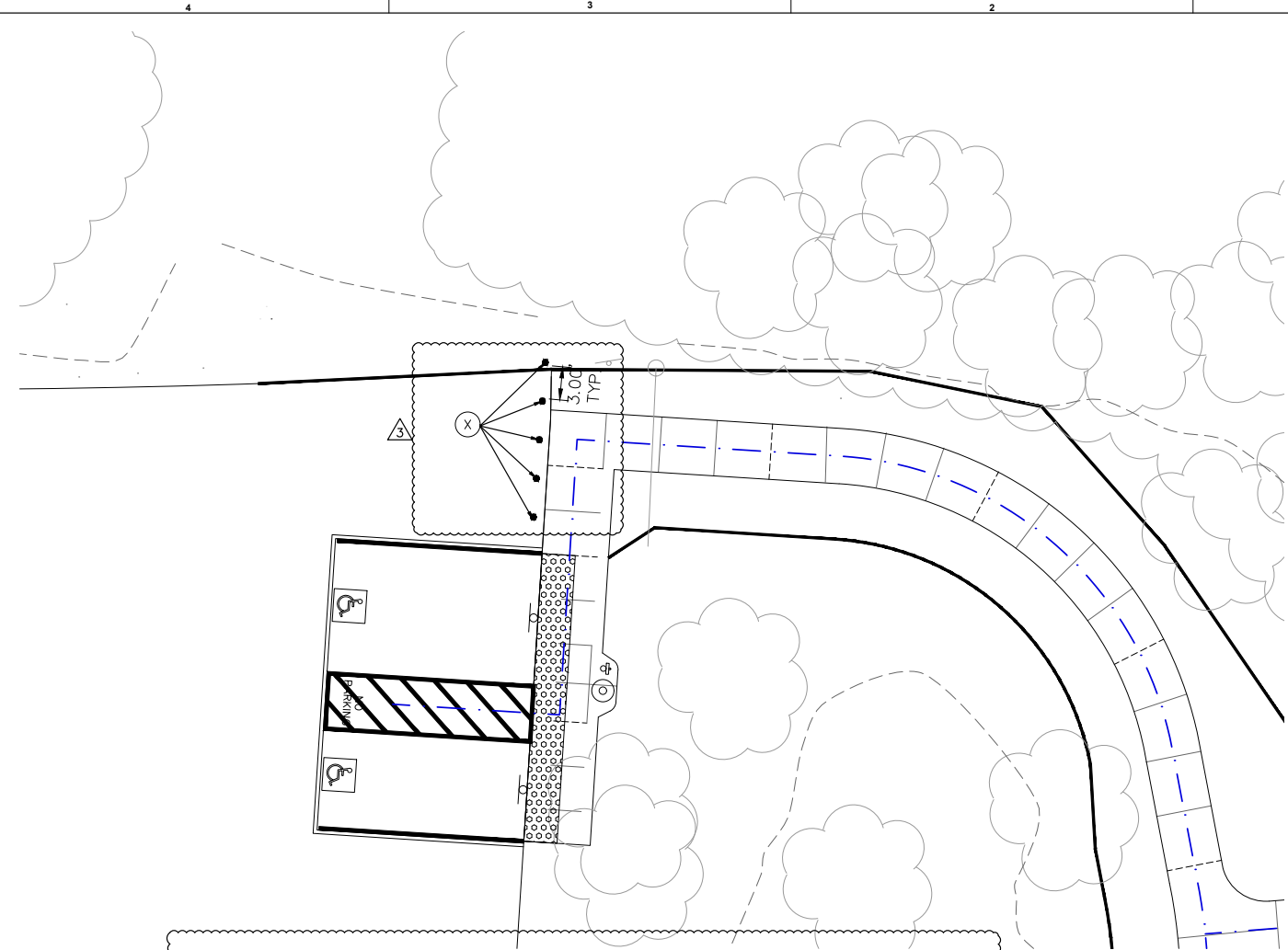
- ALL EXISTING UTILITY INFORMATION IS APPROXIMATE, AND IS BASED ON RECORD PROVIDED BY LAUSD.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING INFORMATION BEFORE CONSTRUCTION.



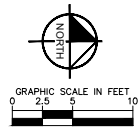
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(X) **BID ALTERNATE 2**
CONTRACTOR SHALL FURNISH AND INSTALL TOTAL OF (5) NEW BOLLARDS TYPE A - REMOVABLE - MANUFACTURER/MODEL: RELIANCE FOUNDRY R-7902 REMOVABLE MOUNTING W/ ANCHOR CASTING - COLOR TO BE SAFETY YELLOW (OR PRE-APPROVED EQUAL), WITH MODIFIED FOOTING 12" WIDE, 24" DEEP. CONTRACTOR TO INCLUDE SOLID BRASS PADLOCK WITH MASTER KEY.



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**KABIAN PARK
IMPROVEMENTS
COUNTY OF RIVERSIDE**
28001 GOETZ ROAD
QUAIL VALLEY, CA 92587

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
△	06/13/2024	FOR BID
△	06/25/2024	BID ALTERNATE 2

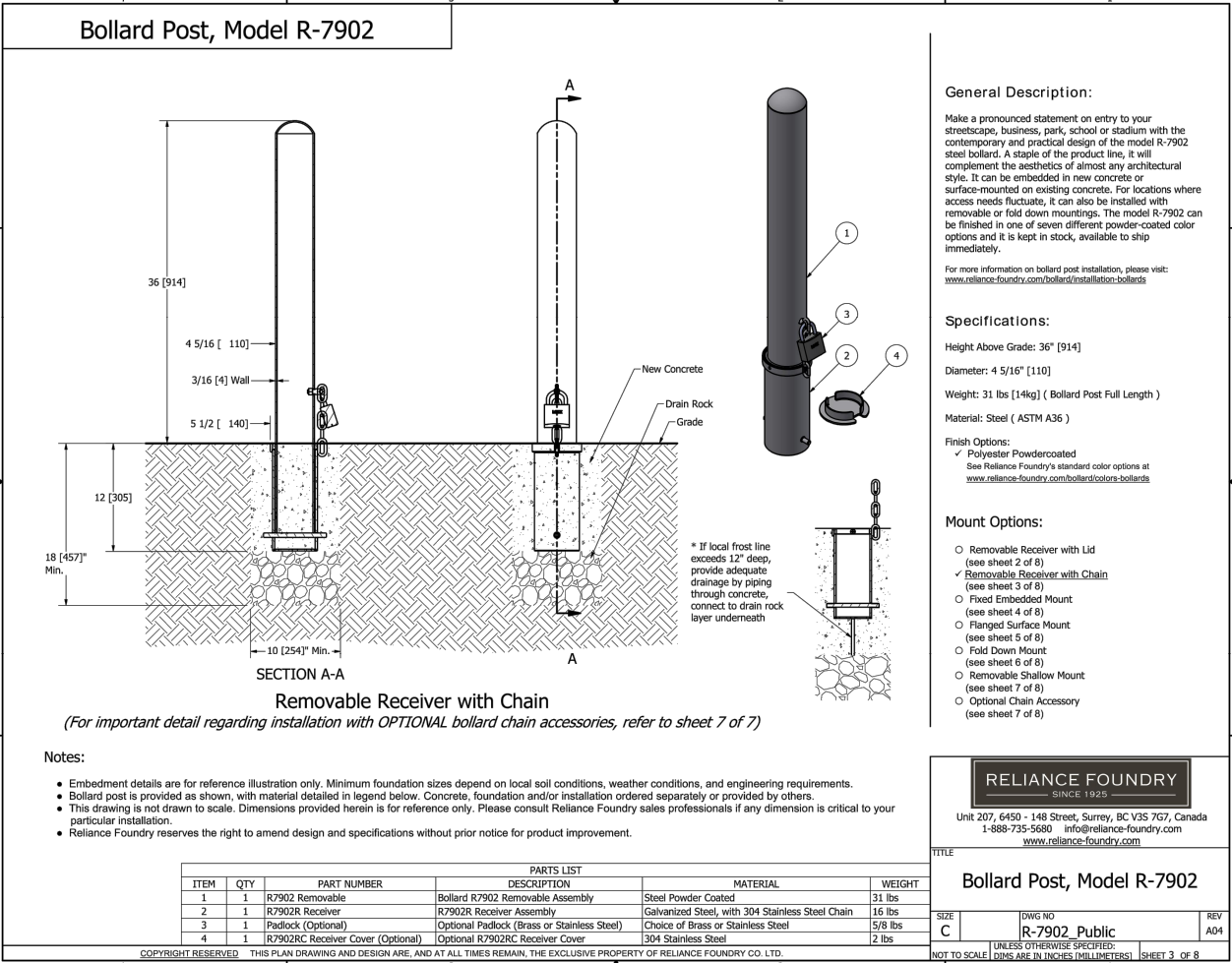
CONSULTANT PROJECT # 194254101
PRINTED FOR
DATE 06/13/2024
DRAWN BY GHVCM

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SHEET
EXHIBIT A - REMOVABLE BOLLARDS PLAN

100% SUBMITTAL

SHEET NUMBER
1 OF 3



General Description:

Make a pronounced statement on entry to your streetscape, business, park, school or stadium with the contemporary and practical design of the model R-7902 steel bollard. A staple of the product line, it will complement the aesthetics of almost any architectural style. It can be embedded in new concrete or surface-mounted on existing concrete. For locations where access needs fluctuate, it can also be installed with removable or fold down mountings. The model R-7902 can be finished in one of seven different powder-coated color options and it is kept in stock, available to ship immediately.

For more information on bollard post installation, please visit: www.reliance-foundry.com/bollard/installation-bollards

Specifications:

- Height Above Grade: 36" [914]
- Diameter: 4 5/16" [110]
- Weight: 31 lbs [14kg] (Bollard Post Full Length)
- Material: Steel (ASTM A36)

Finish Options:
 Polyester Powdercoated
 See Reliance Foundry's standard color options at www.reliance-foundry.com/bollard/options-bollards

Mount Options:

- Removable Receiver with Lid (see sheet 2 of 8)
- Removable Receiver with Chain (see sheet 3 of 8)
- Fixed Embedded Mount (see sheet 4 of 8)
- Flanged Surface Mount (see sheet 5 of 8)
- Fold Down Mount (see sheet 6 of 8)
- Removable Shallow Mount (see sheet 7 of 8)
- Optional Chain Accessory (see sheet 7 of 8)

Removable Receiver with Chain
 (For important detail regarding installation with OPTIONAL bollard chain accessories, refer to sheet 7 of 7)

Notes:

- Embedment details are for reference illustration only. Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
- Bollard post is provided as shown, with material detailed in legend below. Concrete, foundation and/or installation ordered separately or provided by others.
- This drawing is not drawn to scale. Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
- Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT
1	1	R7902 Removable	Bollard R7902 Removable Assembly	Steel Powder Coated	31 lbs.
2	1	R7902R Receiver	R7902R Receiver Assembly	Galvanized Steel, with 304 Stainless Steel Chain	16 lbs
3	1	Padlock (Optional)	Optional Padlock (Brass or Stainless Steel)	Choice of Brass or Stainless Steel	5/8 lbs.
4	1	R7902RC Receiver Cover (Optional)	Optional R7902RC Receiver Cover	304 Stainless Steel	2 lbs.

RELIANCE FOUNDRY
 SINCE 1925
 Unit 207, 6450 - 148 Street, Surrey, BC V3S 7G7, Canada
 1-888-735-5680 info@reliance-foundry.com
 www.reliance-foundry.com

TITLE
Bollard Post, Model R-7902
 SIZE C DWG NO R-7902_Public REV A04
 UNLESS OTHERWISE SPECIFIED:
 NOT TO SCALE DIMS ARE IN INCHES (MILLIMETERS) SHEET 3 OF 8

X REMOVABLE BOLLARD

BID ALTERNATE 2
 CONTRACTOR SHALL FURNISH AND INSTALL TOTAL OF (5) NEW BOLLARDS TYPE A – REMOVABLE – MANUFACTURER/MODEL: RELIANCE FOUNDRY R-7902 REMOVABLE MOUNTING W/ ANCHOR CASTING – COLOR TO BE SAFETY YELLOW (OR PRE-APPROVED EQUAL), WITH MODIFIED FOOTING 12" WIDE, 24" DEEP. CONTRACTOR TO INCLUDE SOLID BRASS PADLOCK WITH MASTER KEY.

Provide 5 padlocks all keyed alike with 3 keys.



Kimley»Horn

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 1100 W TOWN AND COUNTRY ROAD, SUITE 700,
 ORANGE, CA 92668
 PHONE: 714-939-1030 FAX: 714-938-9488
 WWW.KIMLEY-HORN.COM



KABIAN PARK
IMPROVEMENTS
 COUNTY OF RIVERSIDE
 28001 GOETZ ROAD
 QUAIL VALLEY, CA 92587

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	06/13/2024	FOR BID
2	06/25/2024	BID ALTERNATE 2

CONSULTANT PROJECT # 194254101
 PRINTED FOR
 DATE 06/13/2024
 DRAWN BY GH/CM

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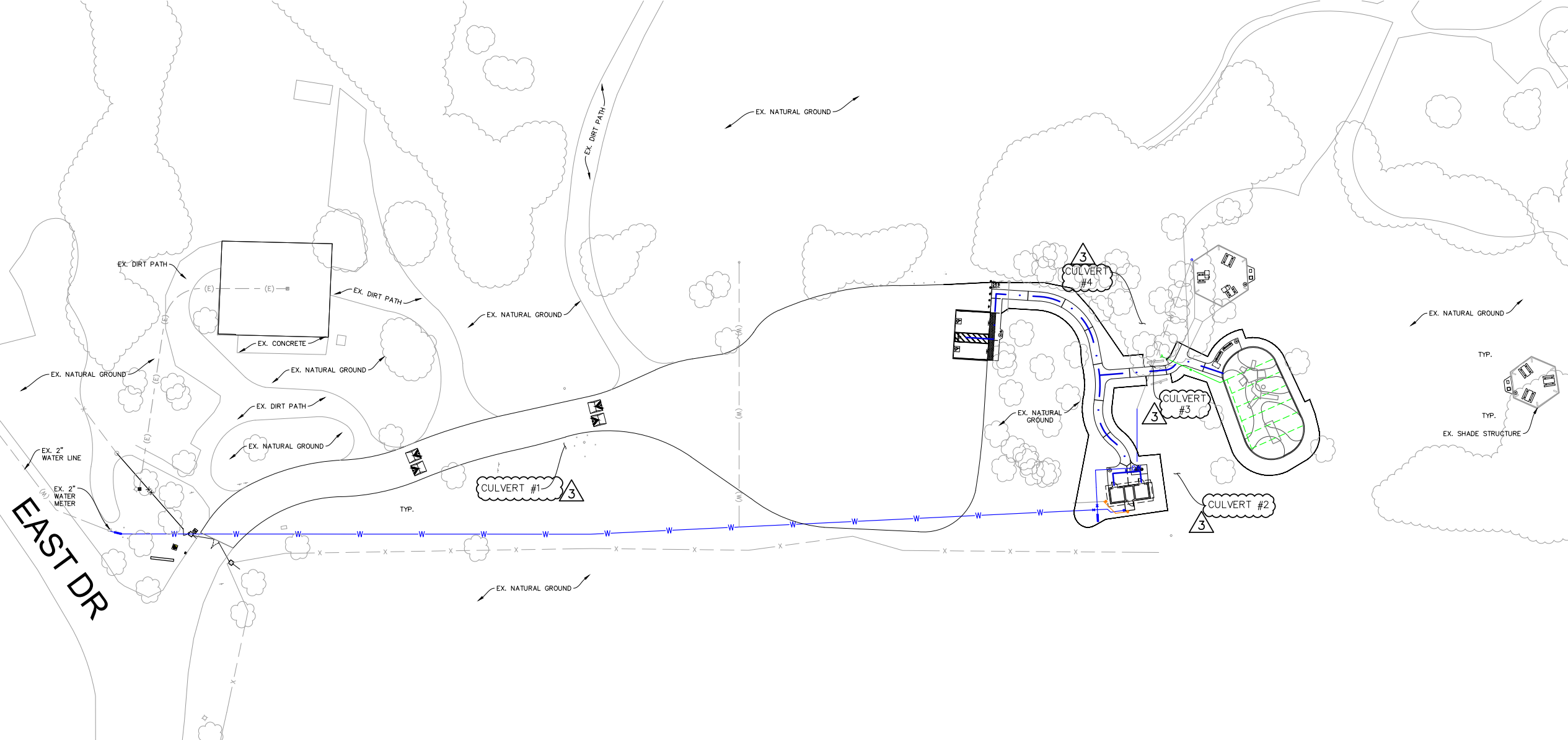
SHEET
EXHIBIT B - REMOVABLE BOLLARD DETAIL
 SHEET NUMBER

2 OF 3

100% SUBMITTAL

Plotted By: Luo, Michael Sheet: Sackha Layout: CC-103 ADDITIONAL DETAILS June 26, 2024 4:30:35pm K:\DRA_DWG\194254101 - Kabian Park Improvements\CAD\DrawSheets\DETAILS.dwg

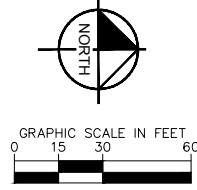
Plotted By: Lico, Michael Sheet Set: Kha Layout: C-300 CONSTRUCTION PLAN June 26, 2024 04:07:14pm K:\ORA_DEV\194254101 - Kabian Park Improvements\CAD\PlanSheets\CONSTRUCTION PLAN BID ALTERNATE 2.dwg



BID ALTERNATE 2

CULVERT# (1),(2),(3),(4) : CONTRACTOR SHALL REMOVE ALL EXISTING DEBRIS, INCLUDING BUT NOT LIMITED TO LEAVES & SEDIMENTS AT INLET & OUTLET OF THE EXISTING DRAINAGE CULVERT. CONTRACTOR SHALL ENSURE THAT AFTER REMOVAL OF DEBRIS FLOW LINE IS RESTORED AND CARE MUST BE TAKEN TO NOT IMPACT AREAS OUTSIDE THAT WHICH IS NECESSARY TO CLEAR THE CULVERT AND REESTABLISH PROPER DRAINAGE.

CULVERT# (4) : CONTRACTOR SHALL INFILL BRIDGE SURFACE WITH NEW DECOMPOSED GRANITE & COMPACT @ 95% RELATIVE DENSITY & PROVIDE COVER OVER EXISTING CULVERT PIPE. CONTRACTOR SHALL ENSURE THAT NEW D.G. PAVING IS FLUSH WITH STONE PAVING ON EACH SIDE & THERE ARE NO TRIPPING HAZARDS.



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 PRINTED FOR
 DATE 06/13/2024
 DRAWN BY GH/CM

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SHEET
EXHIBIT C - EXISTING
CULVERT CLEANING

SHEET NUMBER
3 OF 3

100% SUBMITTAL

BID FORM - REQUIRED AT TIME OF BID

To: Governing Board of Riverside County Regional Park and Open-Space District ("District")

From: RH General Engineering, Inc.
** Expired DIR* (Proper Name of Bidder) *VER.*

No.: 1000979066 *AB*
Bidder's DIR Registration No.

L# 1086241 *AB*
Contractor's CA License No.

Exp: 5-31-26

The undersigned declares that the Contract Documents including, without limitation, the Invitation to Bid, the Instructions to Bidders, and the Special Conditions have been read, and agrees and proposes to furnish all necessary labor, materials, and equipment to perform and furnish all work in accordance with the terms and conditions of the Contract Documents, including, without limitation, the Drawings and Specifications for the following project:

Kabian Park Improvements ("Project" or "Contract")

and will accept in full payment for that Work the following total lump sum amount, all taxes included:

BASE BID (In Dollars\$ - PRINT CLEARLY - 1 DIGIT IN EACH BOX):

	1		2	1	9		7	6	0
								0	0

Dollars

Cents

NOTE: IF THERE ARE ALTERNATES OR ALLOWANCES IDENTIFIED IN THIS BID FORM, DO NOT INCLUDE ANY ALTERNATES OR ALLOWANCE(S) AMOUNTS IN THE BASE BID AMOUNT.

Additive/Deductive Alternates:

Additive Alternate #1: Surfacing of the entry road and parking lot as shown in yellow and described in further detail on the plans.

			2	1	2		9	1	0
								0	0

Dollars

Cents

Additive Alternate #2: Bollards and Culverts: Install 5 bollards and clear 4 culverts as per plans and scope as issued by Addendum #3 (3 sheets - Exh. A, B & C.)

			1	3	4		2	1	0
								0	0

Dollars

Cents

The brief descriptions of alternates above are primarily scope definitions and do not necessarily detail the full range of materials and processes needed to complete the construction.

Allowance(s)

The Bidder's Base Bid shall **NOT** include the following potential Allowance(s). The District will add some or all of the following Allowance(s) amount(s) to the successful bidder's Contract at the District's discretion.

Potential allowances are as follows:

Allowance #1: This allowance shall be used for, but not limited to, the following: Unforeseen or unforeseeable conditions, owner-requested changes, environmental hazards, unforeseen delays, or other similar project costs.

Allowance value: \$100,000 and up to 5 calendar days

*The balance of this page is intentionally left blank.
Bid form continues on next page.*

Bid Acknowledgements

1. **Contract Review.** The undersigned has reviewed the Work outlined in the Contract Documents and fully understands the scope of Work required in this bid, understands the construction and project management function(s) is described in the Contract Documents, and that each Bidder who is awarded a contract shall be in fact a prime contractor, not a subcontractor, to the District, and agrees that its bid, if accepted by the District, will be the basis for the Bidder to enter into a contract with the District in accordance with the intent of the Contract Documents.
2. **Requests for Clarification.** The undersigned has notified the District in writing of any discrepancies or omissions or of any doubt, questions, or ambiguities about the meaning of any of the Contract Documents, and has contacted the Construction Manager before bid date to verify the issuance of any clarifying Addenda.
3. **Contract Time.** The undersigned agrees to commence work under this Contract on the date established in the Contract Documents and to complete all work within the time specified in the Contract Documents.
4. **Contractual Provisions.** The undersigned hereby acknowledges and agrees to be bound by following provisions and all provisions in the Contract Documents:
 - The liquidated damages clause of the General Conditions, the Special Conditions and Agreement.
 - The "Changes in the Work" provisions in the General Conditions that limit the permitted charges and mark-ups on change orders and on the amount of home office overhead that the successful bidder can receive from the District.
 - The "Claims" provisions in the General Conditions that delineate the required process to submit and process disputes and claims.
 - The "COVID-19" provisions in the Contract Documents related to the Contractor's staffing requirements and its compliance with all applicable and existing federal, state, and/or local statutes, orders, rules, regulations, ordinances, and/or directives relating to construction site safety in connection with COVID-19, and/or any similar virus or derivative strain.
5. **Bid Open Period.** It is understood that the District reserves the right to reject this bid and that the bid shall remain open to acceptance and is irrevocable as per the Bid Hold period identified in the Special Conditions.
6. **Attachments.** The following documents are attached hereto:
 - The Bid Bond on the District's form or other security
 - The Designated Subcontractors List
 - The Non-collusion Declaration
 - Iran Contracting Act Certification
7. **Bidder's License.**
 - Bidder acknowledges that the license required for performance of the Work is as stated in the Invitation to Bid.
 - Bidder certifies that it is, at the time of bidding, and shall be throughout the period of the contract, licensed by the State of California to do the type of work required under

the terms of the Contract Documents. Bidder further certifies that it is regularly engaged in the general class and type of work called for in the Contract Documents.

8. **Labor Harmony.** The undersigned hereby certifies that Bidder is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the Work.
9. **DIR Registration.** Bidder shall ensure that it and its Subcontractors comply with the registration and compliance monitoring provisions of Labor Code section 1771.4, including furnishing its CPRs to the Labor Commissioner, and are registered pursuant to Labor Code section 1725.5.
10. **Prequalification.** If the Special Conditions requires prequalification of prime Bidder, the Bidder confirms that it has been prequalified by the District at a rate at or above that stated in the Invitation to Bid. In addition, If the Special Conditions requires Subcontractor prequalification, then the Bidder confirms that, if the Project has electrical, mechanical, or plumbing components that will be performed by first-tier subcontractor with the following license classifications, then those subcontractors have also been prequalified by the District: C-4, C-7, C-10, C-16, C-20, C-34, C-36, C-38, C-42, C-43, and/or C-46.
11. **SWPPP QSP.** Bidder specifically acknowledges and understands that if it is awarded the Contract and a Stormwater Pollution Prevention Plan is included in the scope of the Project, it shall perform the Work of the Project related to being the District's Qualified SWPPP (Storm Water Pollution Prevention Plan) Practitioner ("QSP") and that the Bidder is certified to be the District's QSP, as required by the current California State Water Board's Construction General Permit.
12. **General Acknowledgement.** The Bidder represents that it is competent, knowledgeable, and has special skills with respect to the nature, extent, and inherent conditions of the Work to be performed. Bidder further acknowledges that there are certain peculiar and inherent conditions existent in the construction of the Work that may create, during the Work, unusual or peculiar unsafe conditions hazardous to persons and property. Bidder expressly acknowledges that it is aware of such peculiar risks and that it has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the Work with respect to such hazards.
13. **False Claims Act.** Bidder expressly acknowledges that it is aware that if a false claim is knowingly submitted (as the terms "claim" and "knowingly" are defined in the California False Claims Act, Cal. Gov. Code, §12650 et seq.), the District will be entitled to civil remedies set forth in the California False Claim Act. It may also be considered fraud and the Contractor may be subject to criminal prosecution.
14. **Basis of Award:** The Bidder acknowledges its understanding that the District shall award the Contract, if it awards it at all, to the lowest responsive responsible bidder based on:

District to Select Only One (1):	Basis of Award
X	The base bid amount only
N/A	The base bid amount plus the following alternates: _____ _____


District to Select Only One (1):	Basis of Award
N/A	Up to a total Project fund amount as stated during the bid opening prior to opening bids, including the additive alternates or deductive alternates needed, in the stated order, to be equal to or less than that amount:
N/A	Blind Bid: Based on a process that, when alternates are being considered, conceals the identity of bidders from the District until the bids and any alternates have been ranked and the low bid amount and scope identified.

Bid Form continues on next page.

15. Addenda Acknowledgement. Receipt and acceptance of the following addenda is hereby acknowledged:
 Addenda Numbers: 1, 2, 3, inclusive.

Furthermore, Bidder hereby certifies to the District that all representations, certifications, and statements made by Bidder, as set forth in this bid form, are true and correct and are made under penalty of perjury.

June 27th 2024
 Date (Month, Day, Year) RL General Engineering, Inc
 Proper Name of Bidder/Firm


 Signature Richard Gonzales / President
 Print Name / Title

3594 Bluff St.
 Street Address Corporation
 Type of Organization

Norco, CA 92860
 City, State Zip 88-1078643
 Taxpayer's Identification Number

(951) 963-4268
 Phone richard@rginc.net
 (For communication about this bid) Email
 (For communication about this bid)

(951) 963-4268
 General/Main Phone N/A
 Web Page

If Bidder is a corporation, provide the following:

Name of Corporation: RL General Engineering, Inc.

END OF BID FORM

Designated Subcontractor List Chart - (Copy as needed to provide a complete list)

Proper Name of Bidder: Rt General Engineering, Inc.

Portion of Work	DV BE X	Subcontractor Name (%DVBE if Appl.)	City/State	CA License #	DIR Reg #
fencing	N/A	Wolverine Fence Company Inc.	La Habra CA.	# 870586	1000009678
Survey	N/A	Case Land Surveying, Inc.	Orange, CA.	# LS411	1000001533
Playground Surfacing	N/A	SpectraTurf	Corona, CA.	# 854429	1000002615
asphalt paving	N/A	Hardy Harper Inc.	Lake Forest, CA.	# 215952	1000000076
Concrete	N/A	BBD Construction, Inc.	Riverside, CA.	# 1031242	PW-LR-1001108539
electrical	N/A	R:M Electrical Contracting	Anaheim, CA.	# 813655	1000003540

SCHEDULE A

REGIONAL PARK AND OPEN-SPACE DISTRICT: Approval of Neighborhood Revitalization Projects; District 1. [\$731,383 Total Cost - United States Department of Treasury's ARPA Funds 100%]

FY24-25

Increase Appropriations:

21735	931105	542120	Improvements-Infrastructure	\$	731,383
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Increase Estimated Revenue:

21735	931105	763520	Fed-American Rescue Plan Act	\$	731,383
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