

Increment #1: Site Work for Piedmont Middle School Modular Gymnasium Project
955 Piedmont Road, San Jose, CA 95132
MDG Project #2106

November 23, 2022

Berryessa Union School District
San Jose, California

This Addendum forms a part of the Contract Documents and modifies and clarifies the Notice to Bidders as noted below. Bidders must acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

GENERAL CLARIFICATIONS:

Item 01: Pre-Bid RFI Questions:

1. Can a copy of the geotechnical report by Cornerstone Earth Group dated Sept 12, 2022, be issued in an addendum? B) Is the Inc 1 contractor required to do all the building pad prep work? C) Will the pad grade be left at EL 201.50 for the Inc 2 contractor?
Response: The geotechnical report is included with this Addendum 2; Please see the updated/attached "Site Work Scope Matrix" for grading scope clarification; The building pad shall be rough-graded under Increment 1 to an elevation of 201.5 per the Civil Plans.
2. Please direct me to the section of the special provisions that relate to the work required under the Jack and Bore work. I cannot seem to find any related information for this. Casing size and type? annular space filler? skids...etc...
Response: This has been clarified in the Civil plans re-issued as part of this Addendum 2.
3. There is a note on sheet E1.2 regarding a new 1" conduit to telephone terminal board to nearest IDF (detail 1). Can we get an idea where the nearest IDF is located? I checked all the plan sheets and I do not see a callout for any IDF location. The contractor will need to account for any demolition and restoration along the assumed minimum 250 LF of trenching.
Response: Please see AD2-E2.2 for location and conduit routing to nearest IDF located in building G room number G25.
4. Is there any geotechnical data on this project? Specifically for horizontal drilling and any contaminate data?
Response: The geotechnical report is included with this Addendum 2.
5. Grading for the Gymnasium and Prep for Pad/Concrete Foundation is part of Increment 2 ?
Response: Please see the updated/attached "Site Work Scope Matrix" for pad clarification; The building pad shall be rough-graded under increment 1 to an elevation of 201.5 per the Civil Plans..
6. For bidding Increment 1, is there any scope within Gym Footprint aside from the demolition of existing and maybe Rough Grade.
Response: Please see the updated/attached "Site Work Scope Matrix" for pad clarification; The building pad shall be rough-graded under increment 1 to an elevation of 201.5 per the Civil Plans..
7. Per the Project Manual, concrete bands and decorative striping are to be additive alternate 1. However, concrete bands in asphalt pavement are reflected in the drawings as base scope. Please advise if concrete bands are to be part of the base scope or should it be Add Alt 1.

Response: This has been clarified as part of this Addendum 2: Concrete bands located between the new Gymnasium building and the (E) modular buildings (includes (2) two 4'-0" wide bands, (1) one 12'-0" wide band, and (3) 2'-0" wide bands) are to be Alternate #1. Base Bid shall include a combination of Heavy Duty AC Paving and Standard AC Paving in these areas with a painted "band" matching the dimensions of the concrete bands shown on the Civil Plans. Each band shall include up to 3 colors. Pattern of painted bands shall be provided during construction.

8. Per the Project Manual, concrete bands are to have decorative striping. However, no detail is currently provided in the bid drawings for striping. Please provide a detail for striping at concrete bands.
Response: This has been clarified as part of this Addendum 2: Concrete bands located between the new Gymnasium building and the (E) modular buildings (includes (2) two 4'-0" wide bands, (1) one 12'-0" wide band, and (3) 2'-0" wide bands) are to be Alternate #1. Base Bid shall include a combination of Heavy Duty AC Paving and Standard AC Paving in these areas with a painted "band" matching the dimensions of the concrete bands shown on the Civil Plans. Each band shall include up to 3 colors. Pattern of painted bands shall be provided during construction.
9. Please confirm the contractor shall not be responsible for routine maintenance activities for bioretention areas as specified on C4.1. After our work is complete.
Response: The "Routine maintenance activities for bioretention areas" chart does not apply to this project. This is a chart for the district to follow.
10. Drawing C4.1 refers to a landscape plan for mulch, plant materials and irrigation requirements. However, Landscape plans are currently not provided. Please confirm the contractor is to disregard this note.
Response: This has been clarified on the Civil plans as part of this Addendum 2.
11. Spec section 31 25 00, specifies erosion control is to be provided per contract documents. There is no erosion control dwg in the plan set. Specifically, the storm drain outfall run in the athletic field requires what type of grass to be replaced. Sod or hydroseed?
Response: The Erosion Control plans have been added as part of the Addendum 2 as AD2-C6.1 and AD2-6.2. Provide "seed" as called out on Sheet A-1.2 for repair at ALL existing turf areas. See specification section 32 93 00 added in this Addendum 2 for specific requirements around soil preparation, establishment period, and maintenance period.
12. In review of all drawings please confirm what is part of increment 1 this bid specifically. It seems there are call outs for items not having specs or related to increment 2 and is confusing.
Response: Please see the updated/attached "Site Work Scope Matrix" along with all drawings and specifications for the entire scope of work to be included in Increment 1.

Item 02: Geotech Report: The Geotech report dated September 12, 2022, by Cornerstone Earth Group is included with this Addendum 2 and also available on the district's website along with the bid plans and specs. This report is part of this project and the recommendations listed shall be implemented in this project.

Item 03: Add Alternate 1: Clarification: Alternate 1: Concrete bands located between the new Gymnasium building and the (E) modular buildings (includes (2) two 4'-0" wide bands, (1) one 12'-0" wide band, and (3) 2'-0" wide bands) are to be Alternate #1. Base Bid shall include a combination of Heavy Duty AC Paving and Standard AC Paving in these areas with a painted "band" matching the dimensions of the concrete bands shown on the Civil Plans. Each band shall include up to 3 colors. Pattern of painted bands shall be provided during construction

Item 04: Site Logistics Plan: Add this sheet to the project. This describes the Logistical Phasing of the Project and notes to add temp fencing and privacy screen to the project.

SPECIFICATION CLARIFICATIONS:

Item 05: Section 00 11 16 Notice to Bidder: Replace with attached revised Notice to Bidders. This revises the bid date to December 1, 2022, before 2:00PM and clarifies the phasing.

Item 06: Section 00 21 13 Instruction to Bidders: Replace the BID FORMAT paragraph with the following:

Clarification: This adds the Iran Contracting Act Certification to be submitted with your bid.

BID FORMAT:

Bids should be submitted using the District provided Bid Documents.
Please include the following documents with your bid(s):

Bid #B-06-2022-23

SITE WORK AT PIEDMONT MIDDLE SCHOOL NEW GYM:

00 41 26 Bid Form
00 43 13 Bid Bond
00 43 36 Designation of Subcontractors
00 43 40 Sufficient Funds Declaration
00 45 19 Non-Collusion Affidavit
00 45 32 Fingerprinting Notice and Acknowledgement
00 45 34 Iran Contracting Act Certification

Item 07: Section 00 41 13 Bid Bond: Replace with attached revised Bid Bond form. This fixes a typo in the project description. Please submit the attached with your bid.

Item 08: Section 00 41 26 Bid Form: Replace with attached revised Bid form. Additive Alternate #1 description is simplified and a numerical typo in the Allowance is clarified. Also added two corporate signature lines.

Item 09: Section 00 45 34 – Iran Contracting Act: Add this section to the Project Manual. Clarification: This section is to be executed by the bidder and submitted with Bid Form.

Item 10: Section 00 52 26 Agreement: Replace with attached revised Agreement. This defines the Time of Completion for each phase and that Liquidated Damages shall apply to each Phase.

Item 11: Section 01 10 00 Summary: Replace this section with the attached. This defines paragraph D – Schedule of Work to accommodate Owner Occupancy for all phases.

Item 12: Section 01 10 12 Bid Division Descriptions: Replace this section with the attached. This adds the attached “Site Work Scope Matrix” that outlines the responsibilities of the Increment #2 Building Contractor versus Increment #1 Site Contractor and also adds reference to the “Site Logistics Plan”, and clarifies that the Site Contractor shall provide and install 500-lf or temporary fencing and 1,000-lf of privacy screen to safe-off work areas. Add “Site Scope Matrix to the back of this Section”.

Item 13: Section 01 23 00 Alternates and Unit Pricing: Replace with attached revised specification section. This adds the description of Additive Alternates 1 & 2 to paragraph 1.05.

Item 14: Section 32 93 00 Landscaping: Add this section in its entirety.

DRAWING CLARIFICATIONS:

Item 15: General:

1. The bid documents make references to Increment 2 plans. Increment 2 is by others and not part of this project. Increment 2 includes the plans for the gymnasium building and they are available to review through the District and Construction Manager. The Increment 1 contractor shall coordinate with the Increment 2 building contractor during the course of construction to ensure all Increment 1 work is completed per plans and specifications.

Architectural

Item 16: A-0.1 Title Sheet:

1. Alternates: item 1 should read – “1. Concrete bands located between the new Gymnasium building and the (E) modular buildings (includes (2) two 4'-0” wide bands, (1) one 12'-0” wide band, and (3) 2'-0” wide bands) are to be Alternate #1. Base Bid shall include a combination of Heavy Duty AC Paving and Standard AC Paving in these areas with a painted “band” matching the dimensions of the concrete bands shown on the Civil Plans. Each band shall include up to 3 colors. Pattern of painted bands shall be provided during construction.”
2. Sheet Index: Add sheets AD2-C6.1 Erosion Control Plan and AD2-C6.2 Erosion Control Details to be included in the Increment 1 package.

Item 17: A-1.1 Overall Site Plan:

1. Sheet note 2.03 – ignore this note. This applies to the district.
2. There is a note pointing to a dashed line identifying the area of work and states Increment 1 and 2. The specific scope of each increment is clarified elsewhere. This is a general location of all work and Increment 2 shall be provided by others. See additional information throughout the contract documents.

Item 18: A-1.2 Enlarged Site Plan:

1. Sheet note 2.01 – Change note to read “Provide (3) 36” box trees, Lagerstroemia Indica ‘Arapaho’ – Red Crepe Myrtle. Provide design-build irrigation system to each tree – see specifications 32 80 00 and 32 93 00 for additional requirements.
2. Sheet note 2.02 – Add sentence at end of note to say, “See specification section 32 80 00 and 32 93 00 for additional information.”
3. Sheet note 26.01 – Change note to read “Existing electrical panel to remain – see electrical drawings. Protect during construction and surround with temporary fencing.”
4. Sheet note 26.02 – Add the following to the beginning of the note: “26.02 This note applies to Alternate 2 only- See Electrical Plans for additional information. MSB electrical panel. Locate behind....”
5. Sheet note 32.01 – Change note to read “6’ tall C.L. fence, typ. Extend fencing along fire road and connect to (E) fencing near (E) baseball field and AC playground area. See 2/A-12.2.”
6. Sheet note 32.17 – Change note to read “Existing sidewalk to remain, protect during construction.”
7. Sheet note 32.20 – Change note to read “Alternate 1 Concrete bands – see Civil. This includes (2) two 4'-0” wide bands, (1) one 12'-0” wide band, and (3) 2'-0” wide bands. Base Bid shall include a combination of Heavy Duty AC Paving and Standard AC Paving in these areas with a painted “band” matching the dimensions of the concrete bands shown on the Civil Plans. Each band shall include up to 3 colors. Pattern of painted bands shall be provided during construction.”

Item 19: A-12.2 Site Details:

1. General – all fence gates shown with fork latch shall include the mechanism to utilize a padlock.
2. Detail 1 – Add a note below the title of the detail to say, “Alternate 2”. This detail applies to Alternate 2 only. See electrical.
3. Detail 2 and 3 – Change fence height to 6’ MAX.
4. Detail 9 – Please note the following.
 - a. Swing gate on the left-hand side of the detail is to be 11’ long as indicated on the enlarged site plan

- b. Both the swing gate and the rolling gate shall include a 1" dia cane bolt and a 1-1/2" sleeve set into a 12" deep by 12" diameter concrete base. Cane bolt shall include a mechanism to lock it in the up position on the gate and also in the down position into the sleeve with a padlock.
- c. Fork latch also to include a padlock function to lock it in place.

Civil

Item 20: C0.1: Re-issued as AD2-C0.1:

1. No Changes

Item 21: C1.1: Re-issued as AD2-C1.1:

1. Corrected error in pavement type associated with demolition
2. Corrected Note 15: "Jack & Bore" to "Directional Bore"

Item 22: C2.1: Re-issued as AD2-C2.1:

1. Corrected Note 9: "R-5" instead of "R-6"
2. Corrected Note 16: "Jack & Bore" to "Directional Bore"
3. Legend: Added Hatch for Directional Bore Pit Location
4. Alternate #1 – Note that concrete bands located between the new Gymnasium building and the (E) modular buildings (includes (2) two 4'-0" wide bands, (1) one 12'-0" wide band, and (3) 2'-0" wide bands) are to be Alternate #1. Base Bid shall include a combination of Heavy Duty AC Paving and Standard AC Paving in these areas with a painted "band" matching the dimensions of the concrete bands shown on the Civil Plans. Each band shall include up to 3 colors. Pattern of painted bands shall be provided during construction.

Item 23: C2.2: Re-issued as AD2-C2.2:

1. Added Two Bollards to southern Fire Hydrant
2. Alternate #1 – Note that concrete bands located between the new Gymnasium building and the (E) modular buildings (includes (2) two 4'-0" wide bands, (1) one 12'-0" wide band, and (3) 2'-0" wide bands) are to be Alternate #1. Base Bid shall include a combination of Heavy Duty AC Paving and Standard AC Paving in these areas with a painted "band" matching the dimensions of the concrete bands shown on the Civil Plans. Each band shall include up to 3 colors. Pattern of painted bands shall be provided during construction.

Item 24: C3.1: Re-issued as AD2-C3.1:

1. Added Note to temporary grade around existing MSB
2. Overbuild limits of building pad per geotechnical report

Item 25: C4.0: Re-issued as AD2-C4.0:

1. Added Approximate Rim Elevations for New Storm Drain Manholes adjacent to Flanders Road (no topographic survey in this area. Interpolated for known data).

Item 26: C4.1: Re-issued as AD2-C4.1:

1. Sanitary Pipe Data Changed from 6-inch diameter to 4-inch diameter.
2. Approximate Sanitary Sewer Inverts added (unverified in field).
3. Two down spout connections added at corner of gymnasium roof.
4. Added Storm Drain Data 19 & 20 for downspouts
5. Bioretention notes clarify where mulch is to be placed
6. Bioretention notes clarify no planting is to occur with bioretention areas. Only treatment soil.
7. The "Routine maintenance activities for bioretention areas" chart does not apply to this project. This is a chart for the district to follow

Item 27: C4.2: Re-issued as AD2-C4.2:

1. Water Service changed from 4-Inch PVC C900 to 2-Inch PE Tubing.

2. Enlargement added for P.O.C. for 2-Inch service lateral to existing 4-inch water main.
3. Corrected Note 6/Fire Suppression Notes : “Jack & Bore” to “Directional Bore”

Item 28: C4.3: Re-issued as AD2-C4.3:

1. Water Service changed from 4-Inch PVC C900 to 2-Inch PE Tubing.
2. Enlargement added for P.O.C. for 2-Inch service lateral to existing 4-inch water main.
3. Corrected Note 6/Fire Suppression Notes : “Jack & Bore” to “Directional Bore”

Item 29: C5.1: Re-issued as AD2-C5.1:

1. Detail 5: Clarified edge of concrete walkway
2. Detail 7: Clarified Vehicular Concrete Section
3. Detail 10: Added typical concrete reinforcement details and developing lengths

Item 30: C5.2: Re-issued as AD2-C5.2:

1. No Changes.

Item 31: C5.3: Re-issued as AD2-C5.3:

1. Detail 2: Added information on the Fire Department Connection
2. Detail 3: Added information on the Post Indicator Valve

Item 32: AD2-C6.1 Erosion Control Plan:

1. This sheet has been added and shall be included in the bid

Item 33: AD2-C6.2 Erosion Control Details:

1. This sheet has been added and shall be included in the bid

Electrical

Item 34: E0.1: Re-issued as AD2-E0.1 Symbols, Abbreviations, Codes, Standards, Notes & Sheet Index

1. Added general demolition notes and moved equipment anchorage notes.

Item 35: E1.1: Re-issued as AD2-E1.1 Electrical Single Line Diagram, Details & Contractor Responsibility Matrix

1. Revised Contractor Responsibility Matrix.
2. Revised Electrical Single Line Diagram detail notes.
3. Revised detail 3/E1.1 detail note #2.
4. Added traffic rated pull box detail 5/E1.1.
5. Added vault detail 6/E1.1.

Item 36: E1.2: Re-issued as AD2-E1.2 Electrical Single Line Diagram & Details:

1. Revised Main Switchboard Elevation detail for steel channel and anchor point notes.
2. Revised Electrical Single Line Diagram feeder schedule. Feeder designation F313 removed.
3. Revised Electrical Single Line Diagram detail note to callout for correct sheet number for demolition notes.

Item 37: E2.1: No Changes and not Re-issued.

Item 38: E2.2: Re-issued as AD2-E2.2 Partial Electrical Site Plan:

1. Added conduit routing for (1) 1” conduit only for telecom from new MSB to existing IDF in building G.
2. Removed Add Alternate #2 box around sheet notes.
3. Removed detail callout 2/E2.2 as it does not exist on plans.
4. Called out detail 5/E1.1 for traffic rated pull box for fire alarm PIV.
5. Called out detail 6/E1.1 for 4’ x 6’ vault for (4) 4” conduits.
6. Called out detail 6/E1.1 for 4’ x 6’ vault near new main switchboard for (3) 3”C.O. and (2) 2”C.O.

7. Sheet note number 23 not used.
8. Sheet notes numbers 19 and 27 edited to specify add alternate #1.
9. Sheet note number 14 revised for new vault in lieu of pull box.
10. Sheet note number 6 revised for new vault in lieu of pull box.
11. Sheet note number 21 revised to remove "feeder installation by others".

Attachments:

8.5"x11" Sheets

00 11 16	Notice to Bidders	- 2 pages
00 43 13	Bid Bond	- 2 pages
00 41 26	Bid Form	- 4 pages
00 45 34	Iran Contracting Act	- 1 page
00 52 26	Agreement	- 7 pages
01 10 00	Summary	- 2 pages
01 10 12	Bid Division Description	- 4 pages
01 10 12	Site Work Scope Matrix	- 2 pages
01 23 00	Alternates & Unit Pricing	- 2 pages
32 93 00	Landscape	- 9 pages

24"x36" Sheets:

Site Logistics Plan- Addendum 2	- 1 sheet
AD2-C0.1 thru AD2-C6.2 – Complete Set	-14 sheets
AD2-E0.1, AD2-E1.1, AD2-E1.2, AD2-E2.2	- 4 sheets

Geotechnical Investigation and Geologic Hazard Evaluation – 88 pages

End of Addendum #02

DOCUMENT 00 11 16**NOTICE TO BIDDERS****BID ANNOUNCEMENT
BERRYESSA UNION SCHOOL DISTRICT**

Pursuant to Public Contract Code 20111 and 20112, notice is hereby given that sealed bids will be accepted by the Berryessa Union School District in the Purchasing Department, 1376 Piedmont Road, San Jose, California 95132, BEFORE the time and date indicated:

Bid #B-06-2022-23
SITE WORK AT PIEDMONT MIDDLE SCHOOL NEW GYM
DUE DATE : **DECEMBER 1, 2022, BEFORE 02:00PM**

The Berryessa Union School District is seeking qualified and experienced licensed contractors to submit sealed bids for the project listed above. This is a Measure U Bond Program project.

AB1565: This project is subject to Prequalification. The last day to submit a Prime or M/E/P prequalification package is November 17, 2022, by 2:00pm. If the bidder is not prequalified to bid on the Project, District will not accept the bid. Any M/E/P subcontractors the bidder lists for work must have current prequalified status with District. Prequalification documents are available for download at www.berryessa.k12.ca.us. Click the link for “Contractor Prequalification” under the Purchasing Department Page.

Bid #B-06-2022-23 - The work of this project consists of the following but not limited to:

Site Work includes, but not limited to site grading, AC & Concrete paving, fencing, storm drainage system, bioretention areas and site utilities (e.g. UG Fire Suppression System, Power & Low Voltage Conduits) to support the New Gymnasium installation by the Design Build Contractor. Add Alternate #1: Site Concrete Bands in AC Paving. Add Alternate #2: PG&E and associated work to back-feed existing portable buildings.

Engineer’s Estimate: \$1,000,000.00

There will be a Non-Mandatory Pre-Bid Conference and Job Walk for this project. The Pre-Bid Conference and Job Walk will begin at **2:00PM on November 3, 2022**. Meet outside in the front parking lot at Piedmont Middle School, 955 Piedmont Road, San Jose, CA 95132. County COVID 19 Guidelines will be enforced –social distancing is recommended. No Contractors are allowed to visit the school site without an appointment.

Last day to submit Pre-Bid RFIs: November 16, 2022 no later than 5:00PM.

Last day for Addendum: November 23, 2022, 1:00PM

This project is not subject to a labor agreement (aka PLA or PSA) or DVBE requirement. Prequalification for Prime Contractors or MEP Subcontractors is required.

Time of completion for this project shall be in three phases:

Phase 1: All sitework scope of work within fenced-in area to include all underground utilities (Example: Power & LV Conduits, Storm Drain) and aggregate base for paving. Time to complete shall be before Increment #2 contractor mobilizes to site. Anticipated Increment 2 mobilization date is February 1, 2023.

Phase 2: All remaining scope of work to support the New Gym Building Increment 2 contractor (Example: Fire Suppression Line, Bio-swale, AC & Concrete Paving) to be completed by August 4, 2023 and can be done during non-school hours or long breaks, such the Winter Holiday Break in December and January, President's Week in February 2023, Spring Break in April 2023 and Summer Break 2023.

Phase 3: Add Alternate #2 scope of work (if accepted). This phase will be determined by PG&E and the procurement of long lead electrical equipment. Time of completion to be determined.

Project Bidding Documents will be available for download and print at:
<https://www.berryessa.k12.ca.us/OUR-DISTRICT/Departments/Business-Services/Purchasing/Current-Bids/index.html>

Bid #B-06-2022-23 – Licensing requirements: A – General Engineering

Contact: Kitchell CEM., Mark Casini, CCM at mcasini@kitchell.com – (408) 656-0468.

SB854: No contractor or subcontractor may be listed on a bid proposal for a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.No contractor or subcontractor may be awarded a contract for public work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. The District shall award the Contract, if it awards it at all, to the lowest responsive and responsible bidder based on: **Base Bid + Additive Alternates.**

The Board of Trustees reserves the right to waive any irregularities, accept or reject any or all bids, and be the sole judge of merit and suitability of the workmanship and materials.

For the Governing Board,
Berryessa Union School District
Bonny S Gregorius
Purchasing and Contracts Manager
408-923-1871

END OF DOCUMENT

DOCUMENT 00 43 13

BID BOND

Bid #B-06-2022-23

SITE WORK AT PIEDMONT MIDDLE SCHOOL NEW GYN

KNOW ALL MEN BY THESE PRESENTS that we the undersigned _____ as Principal and _____ as Surety, are hereby held and firmly bound unto the Berryessa Union School District (“Owner”) in the sum of _____ Dollars (\$_____) for payment of which sum, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

The condition of the above obligation is such that whereas the Principal has submitted to the Owner a certain bid, attached hereto and hereby made a part hereof, to enter into a Contract in writing for the construction of **Site Work at Piedmont Middle School New Gymnasium** in strict accordance with Contract Documents.

NOW, THEREFORE,

- a. If said bid shall be rejected, or, in the alternative;
- b. If said bid shall be accepted and the Principal shall execute and deliver a contract in the form of agreement attached hereto and shall execute and deliver Performance and Payment Bonds in the forms attached hereto (all properly completed in accordance with said bid), and shall in all other respects perform the agreement created by the acceptance of said bid;

Then this obligation shall be void, otherwise the same shall remain in full force and effect, it being expressly understood and agreed that the liability of the Surety for any and all default of the Principal hereunder shall be the amount of this obligation as herein stated.

Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract on the call for bids, or to the Work to be performed hereunder, or the specifications accompanying the same, shall in any way affect its obligation under this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said Contract or the call for bids, or to the Work, or to the specifications.

IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under several seals this ____ day of _____, 20__, the name and corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body. In the presence of:

(Notary Seal)

(Principal)

(Business Address)

(Corporate Surety)

Business Address)

By: _____

The rate or premium of this bond is _____ per thousand, the total amount of premium charged, \$_____.

(The above must be filled in by Corporate Surety).

END OF DOCUMENT

DOCUMENT 00 41 26

BID FORM

Berryessa Union School District
1376 Piedmont Rd.
San Jose, CA 95132

Dear Board Members:

The undersigned doing business under the firm name of:

_____ hereby propose and agree to enter into a Contract, to furnish any and all labor, materials, applicable taxes, equipment and services for the completion of Work described hereinafter and in the Contract Documents:

SITE WORK
PIEDMONT MIDDLE SCHOOL NEW GYM
Bid # B-06-2022-23

prepared by: McKim Design Group for the amount of:

1	_____ Dollars	\$ _____
	Amount in Words Base Bid – Increment #1: Site Work at Piedmont MS	
2	_____ Ninety Thousand Dollars	\$90,000.00
	Allowance for Unforeseen Conditions	
3	_____ Dollars	\$ _____
	Amount in Words Base Bid + Allowance (Add 1+2)	

11.1.6.1 ALTERNATE

The following items of work include proposed modifications to, substitutions for, to and/or deletions from the various parts of the Work specified in other Documents of the Specifications. The acceptance or rejection of any of the alternates is strictly at the option of the District subject to District's acceptance of Contractor's stated prices contained in this Proposal.

The below Alternate descriptions are general in nature and for reference purposes only. The Contract Documents, including, without limitation, the Drawings and Specifications, must be referred to for the complete scope of Work.

Additive Alternate #1: Site Concrete Bands in AC Paving.

Add Alt 1	_____ Dollars	\$ _____
	Amount in Words Additive Alternate 1: Alternate to install bands of concrete in AC Paving.	

Additive Alternate #2: PG&E and associated work to back-feed existing portable buildings.

Add Alt 2	_____ Dollars	\$ _____
	Amount in Words Additive Alternate 2: Alternate to install and demolish electrical work associated w/PG&E scope of work as noted on electrical plans.	

11.1.6.2 COURSE-OF-CONSTRUCTION INSURANCE REQUIREMENTS

Contractor, during the progress of the Work and until final acceptance of the Work by Owner upon completion of the entire Contract, shall maintain Builder’s Risk/Course-of-Construction insurance satisfactory to the Owner, issued on a completed value basis on all insurable Work included under the Contract Documents. This insurance shall insure against all risks, including but not limited to the following perils: vandalism, theft, malicious mischief, fire, sprinkler leakage, civil authority, sonic boom, explosion, collapse, flood, earthquake (for projects not solely funded through revenue bonds, limited to earthquakes equivalent to or under 3.5 on the Richter Scale in magnitude), wind, hail, lightning, smoke, riot or civil commotion, debris removal (including demolition) and reasonable compensation for the Architect’s services and expenses required as a result of such insured loss. This insurance shall provide coverage in an amount not less than the full cost to repair, replace or reconstruct the Work. Such insurance shall include the Owner, the Architect, and any other person or entity with an insurable interest in the Work as an additional named insured.

The Contractor shall submit to the Owner for its approval all items deemed to be uninsurable under the Builder’s Risk/Course-of Construction insurance. The risk of the damage to the Work due to the perils covered by the Builder’s Risk/Course-of-Construction insurance, as well as any other hazard which might result in damage to the Work, is that of the Contractor and the surety, and no claims for such loss or damage shall be recognized by the Owner, nor will such loss or damage excuse the complete and satisfactory performance of the Contract by the Contractor.

If written notice of the Award of Contract is mailed, faxed, or delivered to the undersigned at any time before this bid is withdrawn, the undersigned shall, within ten (10) days after the date of such mailing, faxing, or delivering of such notice, execute and deliver an agreement in the form of agreement present in these Contract Documents and

give Performance and Payment Bonds in accordance with the specifications and bid as accepted.

The undersigned hereby designates as the office to which such Notice of Award of Contract may be mailed, faxed, or delivered:

Our Public Liability and Property Damage Insurance is placed with:

Our Workers' Compensation Insurance is placed with:

Circular letters, bulletins, addenda, etc., bound with the specifications or issued during the time of bidding are included in the bid, and, in completing the Contract, they are to become a part thereof.

The receipt of the following addenda to the specifications is acknowledged:

Addendum No. _____ Date _____ Addendum No. _____ Date _____
Addendum No. _____ Date _____ Addendum No. _____ Date _____

This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.

A bidder shall not submit a bid unless the bidder's California contractor's license number appears clearly on the bid, the license expiration date and class are stated, and the bid contains a statement that the representations made therein are made under penalty of perjury. Any bid submitted by a contractor who is not licensed pursuant to Business and Professions Code section 7028.15 shall be considered nonresponsive and shall be rejected. Any bid not containing the above information may be considered nonresponsive and may be rejected.

NOTE: Each bid must give the full business address of the bidder and be signed by bidder with bidder's usual signature. Bids by partnerships must furnish the full name of all partners and must be signed in the partnership name by a general partner with authority to bind the partnership in such matters, followed by the signature and designation of the person signing. The name of the person signing shall also be typed or printed below the signature. Bids by corporations must be signed with the legal name of the corporation, followed by the name of the state of incorporation and by the signature and designation of the chairman of the board, president or any vice president, and then followed by a second signature by the secretary, assistant secretary, the chief financial officer or assistant treasurer. All persons signing must be authorized to bind the corporation in the matter. The name of each person signing shall also be typed or printed below the signature. Satisfactory evidence of the authority of the officer signing on behalf of a corporation shall be furnished.

The undersigned declares under penalty of perjury under the laws of the State of California that the representations made in this bid are true and correct.

Print or Type Name: _____

Title: _____

Name of Company as Licensed: _____

Business Address: _____

Telephone Number: _____

California Contractor License No.: _____

Class and Expiration Date: _____

State of Incorporation, if Applicable: _____

() Evidence of authority to bind corporation is attached.

Dated: _____, _____

Signed: _____

Dated: _____

Signed: _____ Signed: _____

Its: _____ Its: _____

Title (if Corporation Chairman, President Or Vice President) Title (if Corporation Secretary, Assistant Secretary,

Chief Financial Officer, Treasurer, or Assistance Treasurer)

END OF DOCUMENT

DOCUMENT 00 4534

IRAN CONTRACTING ACT CERTIFICATION
(Public Contract Code sections 2202-2208)
TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

As required by Public Contract Code (“PCC”) section 2204 for contracts of \$1,000,000 or more, please insert bidder’s or financial institution’s name and Federal ID Number (if available) and complete **one** of the options below. Please note that California law establishes penalties for providing false certifications, including civil penalties equal to the greater of \$250,000 or twice the amount of the contract for which the false certification was made; contract termination; and three-year ineligibility to bid on contracts. (PCC §2205.)

OPTION #1 - CERTIFICATION

I, the official named below, certify I am duly authorized to execute this certification on behalf of the bidder/financial institution identified below, and the bidder/financial institution identified below is **not** on the current list of persons engaged in investment activities in Iran created by California Department of General Services (“DGS”) and is not a financial institution extending twenty million dollars (\$20,000,000) or more in credit to another person/bidder, for 45 days or more, if that other person/bidder will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS. (PCC §2204(a).)

<i>Bidder Name/Financial Institution (Printed)</i>		<i>Federal ID Number (or n/a)</i>
<i>By (Authorized Signature)</i>		
<i>Printed Name and Title of Person Signing</i>		
<i>Date Executed</i>	<i>Executed in</i>	

OPTION #2 – EXEMPTION

Pursuant to Public Contract Code sections 2203(c) and (d), a public entity may permit a bidder/financial institution engaged in investment activities in Iran, on a case-by-case basis, to be eligible for, or to bid on, submit a proposal for, or enters into or renews, a contract for goods and services. If you have obtained an exemption from the certification requirement under the Iran Contracting Act, please fill out the information below, and attach documentation demonstrating the exemption approval.

<i>Bidder Name/Financial Institution (Printed)</i>		<i>Federal ID Number (or n/a)</i>
<i>By (Authorized Signature)</i>		
<i>Printed Name and Title of Person Signing</i>		<i>Date Executed</i>

DOCUMENT 00 52 26

AGREEMENT BETWEEN OWNER AND CONTRACTOR

This Agreement effective _____, 20__, by and between Berryessa Union School District, Santa Clara County, California, hereinafter called the "Owner," and _____, hereinafter called the "Contractor."

WITNESSETH: That the Contractor and the Owner for the consideration hereinafter named agree as follows:

ARTICLE I. SCOPE OF WORK. The Contractor agrees to furnish all labor, equipment and materials, including tools, implements, and to perform all the work in a good and workmanlike manner, free from any and all liens and claims from mechanics, material suppliers, subcontractors, artisans, machinists, teamsters, freight carriers, and laborers required for:

Bid #B-06-2022-23
SITE WORK AT PIEDMONT MIDDLE SCHOOL NEW GYM

all in strict compliance with the plans, drawings and specifications therefore prepared by:

McKim Design Group

and other contract documents relating thereto.

ARTICLE II. CONTRACT DOCUMENTS. The Contractor and the Owner agree that all of the documents listed in Article 1.1.1 of the General Conditions form the Contract Documents which form the Contract.

ARTICLE III. TIME TO COMPLETE AND LIQUIDATED DAMAGES.

Time is of the essence in this contract, and the time of Completion for the Project shall be as follows:

Phase 1: All sitework scope of work within fenced-in area to include all underground utilities (Example: Power & LV Conduits, Storm Drain) and aggregate base for paving. Time to complete shall be before Increment #2 contractor mobilizes to site. Anticipated Increment 2 mobilization date is February 1, 2023.

Phase 2: All remaining scope of work to support the New Gym Building Increment 2 contractor (Example: Fire Suppression Line, Bio-swale, AC & Concrete Paving) to be completed by August 4, 2023 and can be done during non-school hours or long breaks, such the Winter Holiday Break in December and January, President's Week in February 2023, Spring Break in April 2023 and Summer Break 2023.

Phase 3: Add Alternate #2 scope of work (if accepted). This phase will be determined by PG&E and the procurement of long lead electrical equipment. Time of completion to be determined.

Failure to Complete the Project within the time and in the manner provided for by the Contract Documents (i.e., by the Completion deadline) shall subject the Contractor to liquidated damages. For purposes of liquidated damages, the concept of “substantial completion” shall not constitute Completion and is not part of the Contract Documents. The actual occurrence of damages and the actual amount of the damages which the Owner would suffer if the Project were not Completed by the Completion deadline are dependent upon many circumstances and conditions which could prevail in various combinations and, from the nature of the case, it is impracticable and extremely difficult to fix the actual damages. Damages which the Owner would suffer in the event of delay include, but are not limited to, loss of the use of the Project, disruption of activities, costs of administration, supervision and the incalculable inconvenience and loss suffered by the public.

Accordingly, the parties agree that the amount herein set forth shall be the amount of damages which the Owner shall directly incur upon failure of the Contractor to Complete the Project by the Completion deadline: **\$1,000.00, each Phase, for each calendar day** by which Completion of the Project is delayed beyond the Completion deadline as adjusted by change orders.

If the Contractor becomes liable under this section, the Owner, in addition to all other remedies provided by law, shall have the right to withhold any and all retained percentages of payments and/or progress payments, and to collect the interest thereon, which would otherwise be or become due the Contractor until the liability of the Contractor under this section has been finally determined. If the retained percentages and withheld progress payments appear insufficient to discharge all liabilities of the Contractor incurred under this Article, the Contractor and its sureties shall continue to remain liable to the Owner for such liabilities until all such liabilities are satisfied in full.

If the Owner accepts any work or makes any payment under this Agreement after a default by reason of delays, the payment or payments shall in no respect constitute a waiver or modification of any Agreement provisions regarding time of Completion and liquidated damages.

ARTICLE IV. PAYMENT AND RETENTION. The Owner agrees to pay the Contractor in current funds _____ dollars (\$_____) for work satisfactorily performed after receipt of properly documented and submitted Applications for Payment and to make payments on account thereof, as provided in the General Conditions.

The retention amount on this Project is Five Percent (5%).

ARTICLE V. CHANGES. Changes in this Agreement or in the Work to be done under this Agreement shall be made as provided in the General Conditions.

ARTICLE VI. TERMINATION. The Owner or Contractor may terminate the Contract as provided in the General Conditions.

ARTICLE VII. PREVAILING WAGES. The Project is a public work, the Work shall be performed as a public work and pursuant to the provisions of Section 1770 et seq. of the Labor Code of the State of California, which are hereby incorporated by reference and made a part hereof, the Director of Industrial Relations has determined the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work in the locality in which the work is to be performed, for each craft, classification or type of worker needed to execute this Contract. Per diem wages shall be deemed to include employer payments for health and welfare, pension, vacation, apprenticeship or other training programs, and similar purposes. Copies of the rates are on file at the Owner's principal office. The rate of prevailing wage for any craft, classification or type of workmanship to be employed on this Project is the rate established by the applicable collective bargaining agreement which rate so provided is hereby adopted by reference and shall be effective for the life of this Agreement or until the Director of the Department of Industrial Relations determines that another rate be adopted. It shall be mandatory upon the Contractor and on any subcontractor to pay not less than the said specified rates to all workers employed in the execution of this Agreement.

The Contractor and any subcontractor under the Contractor as a penalty to the Owner shall forfeit not more than Two Hundred Dollars (\$200.00) for each calendar day or portion thereof for each worker paid less than the stipulated prevailing rates for such work or craft in which such worker is employed. The difference between such stipulated prevailing wage rates and the amount paid to each worker for each calendar day or portion thereof for which each worker was paid less than the stipulated prevailing wage rate shall be paid to each worker by the Contractor.

The Contractor and each Subcontractor shall keep or cause to be kept an accurate record for work on this Project showing the names, addresses, social security numbers, work classification, straight time and overtime hours worked and occupations of all laborers, workers and mechanics employed by them in connection with the performance of this Contract or any subcontract thereunder, and showing also the actual per diem wage paid to each of such workers, which records shall be open at all reasonable hours to inspection by the Owner, its officers and agents and to the representatives of the Division of Labor Law Enforcement of the State Department of Industrial Relations. The Contractor and each subcontractor shall furnish a certified copy of all payroll records directly to the Labor Commissioner.

For public works contracts awarded on and after January 1, 2015, those public works projects shall be subject to compliance monitoring and enforcement by the Department of Industrial Relations.

As of March 1, 2015, a contractor or subcontractor shall not be qualified to submit a bid or to be listed in a bid proposal subject to the requirements of Public Contract Code section 4104 unless currently registered and qualified under Labor Code section 1725.5 to perform public work as defined by Division 2, Part 7, Chapter 1 (§§1720 et seq.) of the Labor Code.

As of April 1, 2015, a contractor or subcontractor shall not be qualified to enter into, or engage in the performance of, any contract of public work (as defined by Division 2, Part 7, Chapter 1 (§§1720 et seq.) of the Labor Code) unless currently registered and qualified under Labor Code section 1725.5 to perform public work.

ARTICLE VIII. WORKING HOURS. In accordance with the provisions of Sections 1810 to 1815, inclusive, of the Labor Code of the State of California, which are hereby incorporated and made a part hereof, the time of service of any worker employed by the Contractor or a Subcontractor doing or contracting to do any part of the Work contemplated by this Agreement is limited and restricted to eight hours during any one calendar day and forty hours during any one calendar week, provided, that work may be performed by such employee in excess of said eight hours per day or forty hours per week provided that compensation for all hours worked in excess of eight hours per day, and forty hours per week, is paid at a rate not less than one and one-half (1½) times the basic rate of pay. The Contractor and every Subcontractor shall keep an accurate record showing the name of and the actual hours worked each calendar day and each calendar week by each worker employed by them in connection with the Work. The records shall be kept open at all reasonable hours to inspection by representatives of the Owner and the Division of Labor Law Enforcement. The Contractor shall as a penalty to the Owner forfeit Twenty-five Dollars (\$25.00) for each worker employed in the execution of this Agreement by the Contractor or by any subcontractor for each calendar day during which such worker is required or permitted to work more than eight hours in any one calendar day, and forty hours in any one calendar week, except as herein provided.

ARTICLE IX. APPRENTICES. The Contractor agrees to comply with Chapter 1, Part 7, Division 2, Sections 1777.5 and 1777.6 of the California Labor Code, which are hereby incorporated and made a part hereof. These sections require that contractors and subcontractors employ apprentices in apprenticeable occupations in a ratio of not less than one hour of apprentice's work for each five hours of work performed by a journeyman (unless an exemption is granted in accordance with Section 1777.5) and that contractors and subcontractors shall not discriminate among otherwise qualified employees as indentured apprentices on any public works solely on the ground of sex, race, religious creed, national origin, ancestry or color. Only apprentices as defined in Labor Code Section 3077, who are in training under apprenticeship standards and who have signed written apprentice agreements, will be employed on public works in apprenticeable occupations. The responsibility for compliance with these provisions is fixed with the Contractor for all apprenticeable occupations.

ARTICLE X. DSA OVERSIGHT PROCESS. The Contractor must comply with the applicable requirements of the Division of State Architect ("DSA") Construction Oversight Process ("DSA Oversight Process"), including but not limited to (a) notifying the Owner's Inspector of Record/Project Inspector ("IOR") upon commencement and completion of each aspect of the work as required under DSA Form 156; (b) coordinating the Work with the IOR's inspection duties and requirements; (c) submitting verified reports under DSA Form 6-C; and (d) coordinating with the Owner, Owner's Architect, any Construction Manager, any laboratories, and the IOR to meet the DSA Oversight Process requirements without delay or added costs to the Project.

Contractor shall be responsible for any additional DSA fees related to review of proposed changes to the DSA-approved construction documents, to the extent the proposed changes were caused by Contractor's wrongful act or omissions. If inspected work is found to be in non-compliance with the DSA-approved construction documents or the DSA-approved testing and inspection program, then it must be removed and corrected. Any construction that covers unapproved or uninspected work is subject to removal and correction, at Contractor's expense, in order to permit inspection and approval of the covered work in accordance with the DSA Oversight Process.

ARTICLE XI. INDEMNIFICATION AND INSURANCE. The Contractor will defend, indemnify and hold harmless the Owner, its governing board, officers, agents, trustees, employees and others as provided in the General Conditions.

By this statement the Contractor represents that it has secured the payment of Workers' Compensation in compliance with the provisions of the Labor Code of the State of California and during the performance of the work contemplated herein will continue so to comply with said provisions of said Code. The Contractor shall supply the Owner with certificates of insurance evidencing that Workers' Compensation Insurance is in effect and providing that the Owner will receive thirty (30) days' notice of cancellation.

Contractor shall provide the insurance set forth in the General Conditions. The amount of general liability insurance shall be \$1,000,000.00 per occurrence for bodily injury, personal injury and property damage and a minimum of \$2,000,000.00 aggregate. The amount of automobile liability insurance shall be \$1,000,000.00 per accident for bodily injury and property damage combined single limit.

ARTICLE XII. ENTIRE AGREEMENT. The Contract constitutes the entire agreement between the parties relating to the Project, and supersedes any prior or contemporaneous agreement between the parties, oral or written, including the Owner's award of the Project to Contractor, unless such agreement is expressly incorporated herein. The Owner makes no representations or warranties, express or implied, not specified in the Contract. The Contract is intended as the complete and exclusive statement of the parties' agreement pursuant to Code of Civil Procedure section 1856.

ARTICLE XIII. EXECUTION OF OTHER DOCUMENTS. The parties to this Agreement shall cooperate fully in the execution of any and all other documents and in the completion of any additional actions that may be necessary or appropriate to give full force and effect to the terms and intent of the Contract.

ARTICLE XIV. EXECUTION IN COUNTERPARTS. This Agreement may be executed in counterparts such that the signatures may appear on separate signature pages. A copy, or an original, with all signatures appended together, shall be deemed a fully executed Agreement.

ARTICLE XV. BINDING EFFECT. Contractor, by execution of this Agreement, acknowledges that Contractor has read this Agreement and the other Contract Documents, understands them, and agrees to be bound by their terms and conditions.

The Contract shall inure to the benefit of and shall be binding upon the Contractor and the Owner and their respective successors and assigns.

ARTICLE XVI. SEVERABILITY; GOVERNING LAW; CHOICE OF FORUM. If any provision of the Contract shall be held invalid or unenforceable by a court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision hereof. The Contract shall be governed by the laws of the State of California. Any action or proceeding seeking any relief under or with respect to this Agreement shall be brought solely in the Superior Court of the State of California for the County of Santa Clara, subject to transfer of venue under applicable State law, provided that nothing in this Agreement shall constitute a waiver of immunity to suit by Owner.

ARTICLE XVII. AMENDMENTS. The terms of the Contract shall not be waived, altered, modified, supplemented or amended in any manner whatsoever except by written agreement signed by the parties and approved or ratified by the Governing Board.

ARTICLE XVIII. ASSIGNMENT OF CONTRACT. The Contractor shall not assign or transfer by operation of law or otherwise any or all of its rights, burdens, duties or obligations without the prior written consent of the surety on the payment bond, the surety on the performance bond and the Owner.

ARTICLE XIX. COMPLIANCE WITH COVID-19 REQUIREMENTS. During the Work, the Contractor shall ensure that all Work, including but not limited to Work performed by Subcontractors, is performed in compliance with all applicable legal, contractual, and local government requirements related to the Novel Coronavirus and COVID-19, including “social distancing,” face masks, and hand hygiene as may be ordered by the State or local authorities and as may be directed in the Contract Documents.

ARTICLE XX. WRITTEN NOTICE. Written notice shall be deemed to have been duly served if delivered in person to the individual or member of the firm or to an officer of the corporation for whom it was intended, or if delivered at or sent by registered or certified or overnight mail to the last business address known to the person who gives the notice.

(CONTRACTOR)

(OWNER)

SIGNED BY (Contractor)

(Title)

CALIFORNIA CONTRACTOR'S
LICENSE NO.

LICENSE EXPIRATION DATE

NOTE: Contractor must give the full business address of the Contractor and sign with Contractor's usual signature. Partnerships must furnish the full name of all partners and the Agreement must be signed in the partnership name by a general partner with authority to bind the partnership in such matters, followed by the signature and designation of the person signing. The name of the person signing shall also be typed or printed below the signature. Corporations must sign with the legal name of the corporation, followed by the name of the state of incorporation and by the signature and designation of the chairman of the board, president or any vice president, and then followed by a second signature by the secretary, assistant secretary, the chief financial officer or assistant treasurer. All persons signing must be authorized to bind the corporation in the matter. The name of each person signing shall also be typed or printed below the signature. Satisfactory evidence of the authority of the officer signing on behalf of a corporation shall be furnished.

END OF DOCUMENT

SECTION 01 10 00
SUMMARY

PART 1 GENERAL

1.1 PROJECT

- A. Project Name: **SITE WORK AT PIEDMONT MIDDLE SCHOOL NEW GYM**
- B. Owner's Name: Berryessa Union School District.
- C. Architect's Name: McKim Design Group
- D. The Project consists of Site Work, but not limited to site grading, AC & Concrete paving, fencing, storm drainage system, bioretention areas and site utilities (e.g. UG Fire Suppression System, Power & Low Voltage Conduits) to support the New Gymnasium installation by the Design Build Contractor.

1.2 RELATED SECTIONS

- A. Contract Type: A single prime contract based on a Stipulated Price as described in Document 00 5200 - Agreement Form

1.3 CONTRACT DESCRIPTION

- A. See section 01 10 12 for Bid Division Descriptions

1.4 DESCRIPTION OF ALTERATIONS WORK

- A. Scope of alterations work is shown on drawings and specification by McKim Design Group.
- B. **Bid #B-06-2022-23** - Site Work includes, but not limited to site grading, AC & Concrete paving, fencing, storm drainage system, bioretention areas and site utilities (e.g. UG Fire Suppression System, Power & Low Voltage Conduits) to support the New Gymnasium installation by the Design Build Contractor. Add Alternate #1: Site Concrete Bands in AC Paving. Add Alternate #2: PG&E and associated work to back-feed existing portable buildings.

1.5 OWNER OCCUPANCY

- A. Owner intends to occupy the entire Project upon Substantial Completion.
- B. Owner intends to occupy all buildings at the end of project.
- C. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.

D. Schedule the Work to accommodate Owner occupancy.

Phase 1: All sitework scope of work within fenced-in area to include all underground utilities (Example: Power & LV Conduits, Storm Drain) and aggregate base for paving. Time to complete shall be before Increment #2 contractor mobilizes to site. Anticipated Increment 2 mobilization date is February 1, 2023.

Phase 2: All remaining scope of work to support the New Gym Building Increment 2 contractor (Example: Fire Suppression Line, Bio-swale, AC & Concrete Paving) to be completed by August 4, 2023 and can be done during non-school hours or long breaks, such the Winter Holiday Break in December and January, President's Week in February 2023, Spring Break in April 2023 and Summer Break 2023.

Phase 3: Add Alternate #2 scope of work (if accepted). This phase will be determined by PG&E and the procurement of long lead electrical equipment. Time of completion to be determined.

E. Work by Others:

1) Increment #2: New Gymnasium Building

1.6 CONTRACTOR USE OF SITE AND PREMISES

A. Construction Operations: Limited to areas noted on Drawings.

B. Provide access to and from site as required by law and by Owner.

1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
2. Do not obstruct roadways, sidewalks, or other public ways without permit.

C. Utility Outages and Shutdown.

1. Do not disrupt or shut down life safety systems, including but not limited to fire sprinklers and fire alarm system, without 7 days' notice to Owner and authorities having jurisdiction.
2. Limit shutdown of utility services to minimal hours, arranged at least 48 hours in advance with Owner.
3. Prevent accidental disruption of utility services to other facilities.

END OF SECTION

DOCUMENT 01 10 12
BID DIVISION DESCRIPTIONS

Bid #B-06-2022-23
SITE WORK AT PIEDMONT MIDDLE SCHOOL NEW GYM

PART 1 - GENERAL

1.1 Section Includes

- A. Descriptions of Bid Packages.

1.2 Related Sections

- A. Section 01 10 00 - Summary of Work.

1.3 DESCRIPTIONS OF BID DIVISIONS

- A. For the purpose of clarity, the scope of work for each Bid Package has been divided into three categories: "INCLUDED", "ALSO INCLUDED", and "EXCLUDED".

- 1. Items listed under "INCLUDED" are the standard and/or "conventional" work scope of each Bid Package.

- 2. Information provided under "ALSO INCLUDED" points out some items which may be considered less obvious or "unconventional," but which are included in the work scope of a particular Bid Package. (Information under this heading is not always necessary to delineate a Bid Package.)

- 3. Information provided under the heading "EXCLUDED" is for the purpose of indicating beginning and termination points, and/or to provide an understanding of fringe involvements included in Bid Packages. (Information under this heading is not always necessary to delineate a Bid Package.)

- B. Bid Packages are the categories of Work into which the Project will be divided for bidding and construction. Bid Packages should not be confused with Specification Sections.

- 1. Bid Package Descriptions (Section 01 10 12) are written descriptions of the Scope of the Work included in each of the Bid Packages.

- 2. Bid Package Descriptions have been written to clearly define each Bid Package. Contractors are encouraged to request information or clarification by calling the Construction Manager. The Owner will not be responsible for a Contractor's incorrect interpretation of the Descriptions.

- 3. Although each Bid Package involves a

standard segment of "conventional" trade contracting, multiple contract project delivery requires that adjustments be made to permit the completion of each Bid Package as a separate segment of construction. Each Contractor shall carefully review the total scope of responsibilities with respect to the Work of the Bid Package(s), and shall provide for the total scope in Contractor's Proposal.

4. Each Contractor shall become familiar with the work scopes of all other Bid Packages which interface with the Bid Package of which a proposal is being submitted. Each Contractor shall consider that the work of Contractor's Bid Package(s) may follow the work of another Bid Package, that other Contractors may perform work after the work of Contractor's Bid Package(s), and that other Contractors may work simultaneously with the work of Contractor's Bid Package(s). Each Contractor shall include provisions for such sequencing and scheduling, and for cooperation and coordination with such other Contractors in the Bid Proposal.
5. Nothing contained in the Bidding Documents, including the Bid Division descriptions, shall be construed by Bidders as an assignment of work to any construction industry trade. Each Bidder is responsible for Bidder's own work assignments within the Bid Package.

1.4 BID PACKAGE DESCRIPTIONS

**A. BID DIVISION: Bid #B-06-2022-23
SITE WORK AT PIEDMONT MIDDLE SCHOOL NEW GYM**

1. **Included:** Site Work includes, but not limited to site grading, AC & Concrete paving, fencing, storm drainage system, bioretention areas and site utilities (e.g. UG Fire Suppression System, Power & Low Voltage Conduits) to support the New Gymnasium installation by the Design Build Contractor. Add Alternate #1: Site Concrete Bands in AC Paving. Add Alternate #2: PG&E and associated work to back-feed existing portable buildings.

See below for additional clarification(s).

Division 00	Procurement and Contracting Requirements
Division 01	General Requirements
Division 02	Existing Conditions & Demolition
Division 07	Thermal & Moisture Protection
Division 09	Finishes
Division 26	Electrical

Division 31 Earthwork
Division 32 Exterior Improvements
Division 33 Utilities

Also included but not limited to:

Due to compressed schedule of this project, contractor will be required to submit all submittals (for this bid division) to CM/Architect 10 days after receipt of Notice to Proceed. The Contractor is required to provide an underground utility survey performed by a licensed underground utility locator at the contractor's expense. The locator's report must be submitted to the Owner and Construction Manager for review prior to beginning any demolition, excavation or grading operations. All construction included in these Bid Divisions shall be in accordance with all bid documents, all organizations having jurisdiction, and all other, applicable design criteria.

Provide As-built drawings (for this bid package) showing original contract, change order work, RFI'S and any other additional work.

Provide and install all underground utilities(for this bid package).

Provide selective demolition and cutting of elements (for all bid package).

Provide patching associated with all work.

Provide continuous clean up.

Provide coordination with all other Bid Division Contractors, District Maintenance staff, District vendors and Modular Building Contractor install new gym building.

Provide labor for the daily securing of the site at quitting time.

Provide saw cutting and demolition of paving in the exterior of the buildings.

Provide patching associated with Electrical selective demolition work.

Provide and install power & low voltage conduits, pull boxes, vaults, pull cans and related equipment as noted on the plans and specifications.

Provide all trenching, backfill and compaction to sub grade, and patching associated with this scope of work.

Provide engineering of underground utilities associated with this scope of work.

Includes all SWIPP provisions required by contract documents and the City of San Jose. Contractor shall include their bid to provide SWIPP measures to protect runoff of into city street at perimeter of jobsite fencing.

All electrical and signal work to points of connection per plans and specifications

Includes all signage, safety provisions, required to complete all connections.

Includes all excavation, excavation shoring, plating, etc. and all required safety provisions required by all entities having jurisdiction.

Any cutting and patching necessary to install conduits, boxes, and raceways.

Private underground locating services to locate all utilities within work area.

Site Logistics Plan

Site Work Scope Matrix

CONTRACTOR SHALL INCLUDE IN THEIR BID FURNINSHING AND INSTALLING 500-LF OF TEMPORARY 6-FT HIGH CHAIN LINK FENCE TO USE AS NEEDED TO SAFE OFF AREAS OF WORK.

CONTRACTOR SHALL INCLUDE IN THEIR BID FURNISHING AND INSTALLING 1000-LF OF PRIVACY SCREEN TO INSTALL ON EXISTING FENCING OR TEMP FENCING AS NEEDED TO SAFE-OFF AREAS OF WORK

Excluded: All work associated with Increment #2: New
Gymnasium Building.

END OF DOCUMENT

Site Work Scope Matrix		Section 01 10 12	
Piedmont M.S. Gymnasium and Site Work - Increment 1		11.23.22	
		Addendum 2	
DESCRIPTION	INCREMENT 2 MODULAR MANUF.	INCREMENT 1 SITE CONTRACTOR	
1 Deliver and construct modular building on site.	X		
2 Not used.			
3 Excavate foundation footings.	X		
4 Provide/install concrete foundation.	X		
5 All work required to fine grade, import and export required to finish building pad from the grades shown on the civil drawings required for the modular building in accordance with the requirements of the contract documents and soils report.	X		
6 All demolition, clearing, rough grading, import and export required to build pad under and to the face of the gymnasium building to grades shown in the civil drawings in accordance with the requirements of the contract documents and soils report. Rough grade under building shall be 9" below the building finish floor elevation.			X
7 Foundation backfilling/compaction around perimeter of building.			X
8 Site concrete flatwork.			X
9 Not used.			
10 Provide/install foundation/building flashing.	X		
11 Exterior stucco finish (3 coat system) and control joints / reveals.	X		
12 Exterior stucco painting.	X		
13 All exterior GSM flashing.	X		
14 Not used.			
15 Door hardware and installation.	X		
16 All bathroom accessories (soap & towel dispenser, etc) and plumbing fixtures.	X		
17 Clock-speaker/intercom - design and install all required devices, conduit, boxes and wiring throughout building and terminate at IDF cabinet via PoE. Include a speaker in each restroom.	X		
18 Fire alarm - design entire system to meet code and DSA requirements and install all required conduit, boxes, devices, wire, etc...throughout building and terminate at IDF cabinet.	X		
19 Fire alarm - Install all required conduit, boxes, devices and wiring to building IDF. This includes extending existing FA system from existing Building F to new building IDF. This includes site conduit.			X
20 Security - install conduit, boxes and pull strings throughout building to door contacts and exterior cameras at all building corners. District will notify building contractor which security system they would like. District will identify camera model numbers and building contractor shall purchase and install. Building contractor shall install fiber between cameras and IDF.	X		
21 Security - extend conduit and wiring from existing Building F to new building & terminate at IDF.			X
22 Audio Visual - provide conduit, boxes and pull strings throughout the gymnasium space at selected locations (district to identify) for future speakers, projector, screen and microphone.	X		
23 Data - provide and install a IDF cabinet (selected by District, contractor purchase and installed) with (2) 24 port patch panels and (1) switch. Install the patch panel and required wires, district will provide and install the switch. IDF shall be wall mounted and the room shall be ventilated. Include (1) 4 plex outlet next to the IDF cabinet. District to provide and install a UPS. Provide and install all required conduit, boxes, ports and wiring throughout the building and terminate at the IDF. Fiber shall be 12 strand, single mode. Cabling shall be CAT 6A.	X		
24 WAP - Install (2) exterior and (1) interior OFCI WAP devices. District to program devices.	X		
25 Phone - provide and install all required conduit, boxes, device and wiring throughout the building.	X		
26 Install fiber from MDF (existing Admin office) to IDF inside building through existing site conduit.	X		

Site Work Scope Matrix		Section 01 10 12	
Piedmont M.S. Gymnasium and Site Work - Increment 1		11.23.22	
		Addendum 2	
DESCRIPTION	INCREMENT 2 MODULAR MANUF.	INCREMENT 1 SITE CONTRACTOR	
27 Install main power conduit and pull strings to 5' from the building electrical room. Connect to (E) stubbed up conduit on site.			X
28 Install main power conduit and pull strings from building electrical panels to 5' outside building.	X		
29 Install main power feeders from existing campus MSB (next to main parking lot) to building electrical panels through the existing site conduit and energize panels. Include breakers.	X		
30 Provide 3-phase NEMA-1 electrical panel, sub panels, breakers and wiring to all interior devices.	X		
31 Install all required conduit, boxes, outlets and wiring for power outlets throughout the building.	X		
32 Water stub-out to single point of connection.	X		
33 Electric HVAC and water heater connection to disconnect and electrical panel.	X		
34 Stub building downspouts and roof drains to 5' outside the building perimeter.	X		
35 Downspout and roof drain connection to storm drain system.			X
36 Stub water to a single point of contact 5' outside the building perimeter.	X		
37 Connect building water stub-out to site water.			X
38 Water heaters and connections.	X		
39 Toilet room signage.	X		
40 Stub sewer to single point of contact 5' outside the building perimeter.	X		
41 Connect building sewer stub-out to site sewer.			X
42 Not used.			
43 Not used.			
44 Project signage (all project signage).	X		
45 Floor covering.	X		
46 Establish/maintain building corners/surveying.	X		
47 Construction keying.	X		
48 Master keying (building contractor and District to coordinate).	X		
49 Temporary utilities. Both entities to provide their own.	X		X
50 Install fire sprinkler system throughout building including riser 5' outside the building.	X		
51 Connect building fire riser stub-out 5' from building to site fire water.			X
52 All other site work noted on the plans and specifications and not noted above.			X

DOCUMENT 01 23 00

ALTERNATES AND UNIT PRICING**PART I – ALTERNATES****1.01 RELATED DOCUMENTS AND PROVISIONS**

- A. All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:
1. General Conditions;
 2. Special Conditions;
 3. Bid Form and Proposal;
 4. Instruction to Bidders.

1.02 DESCRIPTION

- A. The following items of work include proposed modifications to, substitutions for, to and/or deletions from the various parts of the Work specified in other Documents of the Specifications. The acceptance or rejection of any of the alternates is strictly at the option of the District subject to District's acceptance of Contractor's stated prices contained in this Proposal.

1.03 GENERAL

- A. Where an item is omitted, or scope of Work is decreased, all Work pertaining to the item whether specifically stated or not, shall be omitted and where an item is added or modified or where scope of Work is increased, all Work pertaining to that required to render same ready for use on the Project in accordance with intention of Drawings and Specifications shall be included in an agreed upon price amount.

1.04 BASE BID

- A. The Base Bid includes all work required to construct the Project completely and in accordance with the Contract Documents.

1.05 ALTERNATES

- A. The below Alternate descriptions are general in nature and for reference purposes only. The Contract Documents, including, without limitation, the Drawings and Specifications, must be referred to for the complete scope of Work.

Additive Alternate #1: Site Concrete Bands in AC Paving.

Additive Alternate #2: PG&E and associated work to back-feed existing portable buildings.

PART 2 - UNIT PRICING

2.01 GENERAL

- A. Contractor shall completely state all required figures based on Unit Prices listed below. Where scope of Work is decreased, all Work pertaining to the item, whether specifically stated or not, shall be omitted and where scope of Work is increased, all work pertaining to that item required to render same ready for use on the Project in accordance with intention of Drawings and Specifications shall be included in an agreed upon price amount.

2.02 UNIT PRICES

- A. Furnish unit prices for each of the named items included on the bid form on a square foot, lineal foot, or per each basis, as applies. Unit prices shall include all labor, materials, services, profit, overhead, insurance (excluding costs of insurance covered by OCIP), bonds, taxes, and all other incidental costs of Contractor, subcontractors, and supplier(s).

- 1. NOT APPLICABLE

PART 3 – EXECUTION Not Used.

END OF DOCUMENT

11/13/13

**SECTION 32 93 00
LANDSCAPING****PART 1 GENERAL**

1.01 SUMMARY

- A. Furnish all labor, materials, facilities, transportation and services to complete all landscaping and related work as shown on the Drawings and specified herein.
- B. Scope of Work:
 - The general extent of the landscaping is shown on the Drawings and includes, but is not limited to, the following:
 - 1. Fine grading
 - 2. Soil preparation
 - 3. Lawn planting
 - 4. Tree, shrub, and ground cover planting
 - 5. Turf establishment period
 - 6. Maintenance, 60 days
- C. Related Sections (When included):
 - 1. Submittals
 - 2. Irrigation

1.02 REFERENCES AND REGULATORY REQUIREMENTS

- A. American Joint Committee on Horticulture Nomenclature (AJCHN):
 - Standardized Plant Names
- B. American Association of Nurserymen, Inc. (AAN):
 - American Standard for Nursery stock
- C. Sunset Western Garden Book, Lane Publishing CO.
- D. Agricultural Code of California.
- E. Personnel.
 - 1. Employ at least one qualified supervisor familiar with the products and the requirements of this section. Submit the supervisor's name to the Owner's Representative before beginning work.
 - 2. Employ workers familiar with the products and requirements of this section.

1.03 SUBMITTALS

- A. Comply with Section - Submittals.
- B. Materials list:
 - 1. Thirty (30) days prior to planting, submit documentation that all plants specified have been ordered. Include names and addresses of all suppliers. Make request and arrangements with Owner's Representative for inspection with this submittal.
 - 2. Substitutions: Apply to Owner's Representative, at time of submittal, for any necessary substitutions in accordance with specifications.
- C. Samples: Submit samples of the following.
 - 1. Soil conditioner (1 c.f. each)
 - 2. Mulch (1 c.f. each)
- D. Certificates: Submit labels showing certified chemical analysis of the following:
 - 1. All fertilizers
 - 2. All herbicides
- E. Submit to Owner's Representative proof of required government permits for the use of pesticides, insecticides, and herbicides.

1.04 QUALITY ASSURANCE

- A. Control of work: Comply with Section 5 of the Standard Provisions.
- B. Control of materials: Comply with Section 6 of the Standard Provisions.
- C. Contractor shall employ on-site at all times during execution of this Section at least one person who is thoroughly familiar and experienced with the materials and products being

installed and proper methods of their installation. Notify the Owner's Representative immediately of all changes in supervision.

- D. Coordinate any alternate tree planting work with irrigation bubbler installation.

1.05 DELIVERY, STORAGE, AND HANDLING

A. General:

1. Handle and store all products of this Section in such a manner as to protect them from harmful elements.
2. Storage of products on-site shall be done in an orderly manner so as not to unnecessarily impede work or reasonable use of the project site.
3. Provide healthy growing conditions for all plants stored on the site.

B. Plants:

1. Delivery: Coordinate with Owner's Representative. Provide proper identification for landscape labor force and vehicles at all times on site.
2. Storage: Coordinate with Owner's Representative. Provide shade as required by plant variety and provide wind protection for all plants. Water regularly to maintain thorough moisture in root zone. Temporary, automatic irrigation system will be required at discretion of Owner's Representative if extended storage period becomes necessary. Store all materials where they are protected from damage, including weather and vandalism.
3. Labeling: Plants shall be legibly labeled at all times clearly indicating correct plant name and size as indicated on Drawings. Labels shall be durable with waterproof ink.

C. Fertilizers:

1. Deliver in original, unopened containers with original labels stating guaranteed chemical analysis intact and legible.
2. Store in protected, dry place. Coordinate with Owner's Representative.

D. Bulk Material:

1. Coordinate delivery and storage of bulk material with Owner's Representative.
2. Confine neat piles of materials to areas approved by Owner's Representative.

1.07 PROJECT/SITE CONDITIONS

A. Planting operations shall not be conducted under the following conditions:

1. Freezing weather.
2. Excessive heat as determined by Owner's Representative.
3. High winds.
4. Excessively wet conditions as determined by Owner's Representative.

1.08 GUARANTEE AND REPLACEMENT

A. The purpose of this guarantee is to assure that the Owner's Representative received plant materials of prime, quality, planted, and maintained in a thorough and careful manner. Sometimes plants have latent diseases or defects or are shocked in the process of transplanting, therefore:

1. All work executed under this Section shall be guaranteed to free of defects and poor workmanship for a period of one year after completion of maintenance period.
2. Contractor shall guarantee all plants 1 gallons or larger from latent defects, disease, death, and/or injury for a period of 12 months after final acceptance of the total project by the Owner's Representative.
3. All planting shall be guaranteed to be in a healthy and thriving condition 1 year after completion of maintenance period.
4. Replace all dead plants and plants not in vigorous condition immediately upon notification by Owner's Representative during guarantee period. Replaced plants shall be subsequently guaranteed for an additional year following date of replacement.
5. Repair all defective materials and work as directed by Owner's Representative during guarantee period.

1.09 TURF ESTABLISHMENT PERIOD

- A. This work shall continue as long as required to meet the criteria in the execution portion of these specifications.

1.10 MAINTENANCE PERIOD

- A. Maintenance period shall be for 60 days following approval of turf establishment period and final punch list completion.

PART 2 PRODUCTS

2.01 TOP SOIL

Top soil shall be clean on-site material excavated from top 6 inches of original grade or imported topsoil from a source approved by the Owner's Representative, free from rocks, rubble, clods, roots, toxins, and other deleterious materials.

2.02 FERTILIZER AND FERTILIZER/SOIL CONDITIONERS

- A. General:
 - 1. All fertilizers shall be of an approved brand with a guaranteed chemical analysis as required by USDA regulations.
 - 2. All fertilizers shall be dry and (except plant tabs) free flowing.
- B. Fertilizer/soil conditioner: Provide the following chemical analysis:
 - 1. 5% Nitrogen.
 - 2. 3% Phosphoric Acid.
 - 3. 1% Soluble Potash.
 - 4. 50% Humas
 - 5. 15% Humic Acids
 - 6. 1% Soil Penetrant
- C. Backfill Fertilizer: Fertilizer for all prepared backfill mix shall be same as Fertilizer/soil conditioner.
- D. Plant Tabs: Plant tabs shall be 7 gram tabs with the following chemical analysis by weight:
 - 1. 12% Nitrogen
 - 2. 8% Phosphoric Acid
 - 3. 8% Soluble Potash
 - 4. 20% Humas
 - 5. 4% Humic Acids
- E. Specialty Fertilizers
 - 1. Single Superphosphate (0-25-0)
 - 2. Potassium Sulphate (0-0-50)
 - 3. I.B.D.U. Nitrogen (31-0-0)
 - 4. Activated Carbon - GroSafe or Equal
 - 5. Gro-Power controlled release 12-8-8 (4-6 month formulation)

2.03 SOIL CONDITIONERS

- A. Organic Amendment: Nitrified fir or redwood bark having a minimum organic content of 94% and a nitrogen content of 0.8% minimum. 1.2% maximum on a dry weight basis. Fir bark shall be shredded to pass a 1/4 inch mesh screen.
- B. Mulch: When called for on the plans, in plant basins and shrub beds, provide shredded redwood or cedar bark conforming to the following specification:
 - 1. Physical Properties

<u>Percent Passing</u>	<u>Sieve Designation</u>
75-100	9.51 mm 3/8"
60-100	6.35 mm 1/4"
50-100	4.76 mm No. 4
40-100	2.38 mm No.8
15-30	1.00 mm No. 18

- | | | | | |
|----|----------------|------------------------------|---------------------------------|--------|
| | 0-15 | | 0.50 mm | No. 35 |
| 2. | Organic Matter | <u>Pounds per cubic yard</u> | | |
| | | Minimum: | 200 (shredded redwood bark) | |
| | | | 150 (shredded redwood bark) | |
| 3. | Salinity | <u>ECe</u> | | |
| | | Maximum: | 0.5 | |
| 4. | Reaction | <u>pH</u> | | |
| | | | 5.0-6.0 (shredded redwood bark) | |
| | | | 4.0-5.0 (shredded redwood bark) | |
- B. When called for on plans, in ground cover areas provide an organic mulch top dressing with a maximum size of 1/8 inch.

2.04 PLANTS

- A. General
1. All plants shall be nursery grown and conform to the species and minimum sizes shown on the Drawings.
 2. Quantities shown on the Drawings are for the contractor's bidding convenience only. Should quantities vary or where discrepancies occur, the contractor shall verify and place the actual quantity determined by the spacing shown on the plans.
 3. All plants shall be typical of their species or variety. All shall have normal well developed branches. Roots shall be well developed but not root bound. Trees shall have straight trunks. All plants shall be healthy and vigorous. They shall be free of defects including knots, bark abrasions, sunscald injuries, plant diseases, insect eggs, borers, and other evidence of ill health. Plants shall conform to height, spread, and caliper as noted in the plant list.
- B. Quality Definition: Plant grading tolerances, height ratios and root ball sizes shall conform to the American Standards for Nursery Stock, ANSI Z60.1 1980.
- C. Local, State and Federal Regulations: All plants shall meet governing regulations concerning pests, weeds and diseases.
- D. Condition: All plants shall conform to the following minimum requirements.
1. Nursery grown unless otherwise specified.
 2. Supplied in appropriate container, balled and burlapped, or bare root as specified on Drawings.
 3. In vigorous growing condition with full foliage (when in season), and full symmetrically branched typical of species.
 4. Free from all pests, diseases, and weeds, in all their various forms, and free from any damage caused by the above.
 5. Fully and completely rooted but not rootbound.
- E. Oversized plants: Plants larger than specified sizes may be used providing height, spread, and caliper ratios conform to ASNI Z60.1 1980. No rootbound plants shall be accepted.
- F. All plants shall be inspected and approved by Owner's Representative upon delivery. Plants not approved shall be immediately removed from site.

2.05 WEED ERADICATION PROGRAM

- A. The contractor shall retain the services of a licensed pest control advisor to evaluate the site and develop a comprehensive weed eradication program for Owner's Representative review and approval. For bidding and scheduling considerations only, the following program has been proposed and is subject to revision per pest control advisor's recommendations.
- B. Water lawn areas thoroughly for a period of 2 consecutive weeks per pest control advisor's direction. A specific watering duration and frequently program designed to germinate weeds shall be approved in advance by the Owner's Representative.
- C. Discontinue watering process for two days, apply Round-Up or equal non-selective broad spectrum systematic herbicide for perennial weeds. The type of chemical to be used shall be determined by a licensed pest control advisor. If annual weeds are present, use straight

contract herbicide in accordance with pest control advisor's recommendations. Avoid irrigation for a minimum of four days for effective weed kill.

- D. Allow sufficient period of time to insure that all weeds are dead. (refer to herbicide manufacturer's direction).
- E. Water lawn areas thoroughly for a period of two consecutive weeks per pest control advisor's direction. Discontinue watering process for one day prior to applying a second application of the herbicide. Re-apply the spraying operation with a straight contact weed killer according to pest control advisor's recommendations. Avoid irrigation for a minimum of four days for effective weed kill.
- F. Allow sufficient period of time to insure that all weeds are dead. (refer to herbicide manufacturer's direction).
- G. Hand clear any remaining live weeds from the area per pest control advisor's direction and approval. Clear all remaining eradicated weeds from the area.
- H. Water all planting areas thoroughly prior to hydroseeding operation or turf installation.

2.06 TURF HYDROSEEDING & SOD INSTALLATION

- A. All seed shall conform to the following:
 - 1. From current or latest seasons' crop
 - 2. Free of all weed seed and have producers' Statement of Analysis Guarantee
 - 3. 95% pure of weight and have a 90% germination rate
 - 4. Labeled in conformance to State and U.S.D.A. laws and regulations
- B. Mix: Turf seed mixes, subject to Owner's Representative approval, shall be as follows:
 - 1. 75% Turf Type Tall Fescue
 - 2. 15% Stallion Blue Grass
 - 3. 10% Rye Grass
- C. Fertilizer: Gro-Power Controlled Release 12-8-8 (4-6 month formulation)
- D. When sod is called for on drawings, contractor to provide sod farm data on type and makeup and sample for approval by owner prior to installation.

2.07 HERBICIDES

- A. Pre-emergent: Surflan or equal.
- B. Other: All other herbicides shall be approved by Owner's Representative prior to use.

2.08 STAKING AND GUYING MATERIAL

- A. Tree stakes:
 - 1. All tree stakes shall be new, peeled, clean and smooth lodge pole pine three inches in diameter. Height as specified on Drawings.
- B. Tree Ties: As shown in Details.

2.09 OTHER MATERIALS

- A. Provide all other materials necessary to complete landscape planting as shown on Drawings and specified herein.
- B. All materials shall be new, first quality and approved by Owner's Representative.
- C. Header Board: As specified and detailed on Drawings.

2.10 SOURCE QUALITY CONTROL

- A. Owner's Representative shall approve sources of all plant material.
- B. Owner's Representative shall, at its option inspect and/or tag plants at Nursery site(s) prior to delivery. Contractor shall notify Owner's Representative in writing of delivery schedule to accommodate source inspection.
- C. Owner's Representative shall have right of refusal upon delivery and inspection at the project site.

PART 3 EXECUTION

3.01 PREPARATION

- A. Make provisions and take necessary precautions to protect existing work from damage during execution of this work.
- B. Fine Grading:
 - 1. Prior to any work of this section, thoroughly roto-till soil to be amended twice, once in each direction to a depth of 10 inches.
 - 2. Remove all rocks, sticks, clods, debris, and other deleterious materials over one-half (1/2") in diameter from top 6 inches of soil.
 - 3. Float, rake, and roll all planter and lawn areas to establish finished grades as directed by Owner's Representative. Hold finish grades to 2-1/2" from adjacent pavement surfaces, utility boxes, tops of curbs, etc. within shrub and ground cover areas, and 1" for seeded lawn areas and 1 1/2" for sod lawn areas.
 - 4. Precautions shall be taken to prevent erosion of the soil between completion of soil preparation and planting.
- C. Concrete Mowbands and Wood Header Boards: Install per Drawings. Layout shall be approved by Owner's Representative.

3.02 SOIL PREPARATION

- A. All Areas: Thoroughly till amendments into the top eight (8) inches of soil at the following rates per 1,000 square feet.
 - 1. Nitrogen Fortified Organic Amendment - four (4) cubic yards.
 - 2. Calcium Carbonic Lime (oyster shell flour) - 60 pounds
 - 3. Fertilizer/soil conditioner - 200 pounds.
- B. Ground Cover Areas: Add the following and thoroughly till into the top eight inches of soil at the following rates per 1,000 square feet.
 - 1. Calcium Carbonite lime - 60 pounds.
 - 2. Nitrogen Fortified Organic Amendment - four (4) cubic yards.
 - 3. Fertilizer/soil conditioner - 200 pounds.
- C. After tilling, rake smooth and set finish grades as specified on Drawings and Details.

3.03 TURF SEEDING and SOD INSTALLATION

- A. Verify that soil is prepared and fine graded in accordance with this section.
- B. Rake to loosen top one half (1/2) inch prior to seeding.
- C. Sow specified seed in two directions at a rate specified by seed company. For sod, install rows tight and roll when complete. Turf area should be smooth.
- D. Rake lightly to cover seed and till with hand roller. (seed only)
- E. Top dress with one half (1/2) inch of Humus. (seed only)
- F. Equipment and method used for seeding shall be approved by the Owner's Representative inspector.
- G. Wet seeded areas slowly and thoroughly. Keep seeded areas moist, but not saturated until turf has germinated completely

3.04 TREE AND SHRUB PLANTING

- A. Layout: Coordinate lay-out of plants with Owner's Representative for inspection and approval.
- B. Plant Pit Excavation:
 - 1. Clear and set aside amended soil from area to be excavated.
 - 2. Excavate pits to sizes indicated.
 - a. Holes for one gallon size plants shall be 12 inches wider than the can and the depth of the root ball.
 - b. Holes for five gallon size plants shall be 12 inches wider than the can or root ball and the depth of the root ball.
 - c. Holes for 15 gallon size plants or larger shall be 18 inches wider than the can or root ball and the depth of the root ball.
 - 3. Roughen sides of augured pits to remove "auger slick".
- C. Container Removal: Remove containers with proper tools only.

- D. Planting:
 - 1. Lift plants, remove them from containers and otherwise handle them with care to prevent damage.
 - 2. Center plants in pits. Face for best effect.
 - 3. Set plants plumb.
 - 4. Set all plants so that the top of the root ball will be one (1) inch above the finish grade. All plants that settle below the finish grade or are planted too high shall be replanted in the proper position at no additional cost to the Owner.
 - 5. Backfill and construct planting berms as detailed.
 - 6. Place two inch depth shredded mulch in shrub beds and plant basins as directed and shown on plans.
 - E. Backfilling:
 - 1. Backfill mix for 1 gallon size and larger shall consist of the following rates per cubic yard of mix.
 - a. 80% unamended pulverized site
 - b. 20% organic amendment
 - c. 17lbs of fertilizer/soil conditioner per cu. yd. of mix.
 - d. Plant tabs per manufacturers recommendation
 - 2. Neatly trim all broken and frayed roots.
 - 3. Tamp backfill mix under and around root balls.
 - 4. Flood plant pit when half backfilled; allow to drain.
 - 5. Complete backfilling. Tamp as necessary, do not over compact.
 - F. Watering:
 - 1. Thoroughly water plants immediately after planting.
 - 2. Construct water basins as per Details.
 - G. Finished Grade Restoration: Restore finished grades by hand raking. Dispose of excess soil.
- 3.05 TREE STAKING AND GUYING
- A. Staking:
 - 1. Stake as per Details.
 - 2. Set stakes plumb, without damage to root ball and sufficiently deep to provide necessary support.
 - 3. Tree ties to be tied loosely yet taught enough to support tree.
- 3.06 GROUND COVER PLANTING
- A. Planting of ground covers of 1 gallon size or larger shall conform to tree and shrub planting Specifications. Flattened ground cover shall conform to the following:
 - B. Plant after finished grade has been amended and restored.
 - C. Plant in even triangular spacing as indicated on Drawings.
- 3.07 HERBICIDE APPLICATION
- A. Apply in accordance with manufacturers' recommendations.
 - B. Apply to soil prior to placement of mulch.
- 3.08 BARK MULCH
- A. Apply two (2) inches of bark mulch at all new planting bed areas, including new shrub areas.
 - B. Rake evenly to create a uniform surface.
- 3.09 PRUNING
- A. New Plant Material:
 - 1. Prune only if necessary to remove injured twigs and branches, deadwood, and suckers.
 - 2. Prune trees and shrubs for aesthetic reasons only with the approval of the Owner's Representative.

3. Inspect periodically for insect infestation or disease and notify Owner's Representative of any proposed treatment (one week minimum notice).

3.10 FIELD QUALITY CONTROL

- A. Owner's Representative shall inspect and approve the following prior to proceeding with subsequent work.
 1. Preparation - At completion of finish grading and prior to planting, grading tolerances and soil preparation shall be checked for conformance to Construction Documents.
 2. Layout - Layout of plants, headerboard, and other major items shall be directed and/or approved by the Owner's Representative.
 3. Pre-maintenance review - At substantial completion of this Section, work shall be reviewed to check conformance with Construction Documents. Approval shall mark beginning of the maintenance period.
 4. Final review - At the end of specified maintenance period, work shall be reviewed for conformance with Construction Documents including additional requirements stipulated during maintenance period. If work is not approved at this time, maintenance period shall be extended at contractor's sole cost as directed by Owner's Representative.

3.11 APPROVALS AND SITE VISIT

- A. The Owner's Representative shall approve the following before planting can begin:
 1. Irrigation systems.
 2. Soil preparation and fine grading work of all planting areas.
 3. Plant material. Contractor shall notify the Owner's Representative a minimum of 48 hours prior to delivery of any plant material to site.
 4. Placement of trees and shrubs.
 5. All submittals.
- B. Final inspections:

The Owner's Representative shall review the site per the following schedule:

 1. Pre-final Inspection - One site visit upon completion of all work to review the entire site for conformance to plans and specifications. Contractor shall submit **irrigation as-builts** at that time for on-site review. A punch list documenting any items not in conformance will be distributed to the contractor.
 2. Final Inspection - Follow up visit to verify that punch list items have been corrected and to establish date for maintenance period to begin. The date of the site visit shall be the start of the maintenance period provided all deficiencies have been corrected.
 3. Pre-final Maintenance Inspection - One visit to review site at end of turf establishment period. Any deficiencies will be noted in writing at that time and distributed to contractor.
 4. Final Acceptance Inspection - One visit following completion of all punch list items to verify that project is complete and establish date of final acceptance.
 5. All as-builts, keys, manuals, and other submittals as detailed in the Irrigation Specifications shall be delivered prior to final acceptance.
 6. Should it be determined at the Final Inspection or Final Acceptance visit that any punch list item is incomplete, the Owner's Representative will terminate any further review of the site until all items are guaranteed, in writing, to be completed by the contractor. The cost of additional site visits by the Owner's Representative to verify completion of work shall be paid for by the contractor.

3.12 TURF ESTABLISHMENT PERIOD

- A. Commencement of this period shall follow approval of turf seeding or sod placement by the Owner's Representative.

- B. This period has no time limitations, however the items listed in this section must be completed and approved prior to beginning the maintenance period.
- C. Prior to approval to begin turf maintenance period, turf shall be completely germinated and established to permit two mowings.
 - 1. First mowing shall take place when turf has reached a height of three inches. Submit written request to the Owner's Representative for approval to initiate first mowing.
 - 2. Submit written request to Owner's Representative for approval to initiate second mowing concurrently with written request for commencement of the maintenance period.
 - 3. Fertilize all turf areas at 30 day intervals with 20lbs per 1,000 sf with fertilizer/soil conditioner.

3.15 GUARANTEE AND REPLACEMENT

The purpose of this guarantee is to assure that the Owner's Representative receives plant materials of prime quality, planted, and maintained in a thorough and careful manner. Sometimes plants have latent diseases or defects or are shocked in the process of transplanting, therefore:

- A. Contractor shall guarantee all plants in 1 gallons or larger from latent defects, disease, or death and injury for a period of 12 months after final acceptance of the total project by the Owner's Representative.
- B. Contractor shall replace at no expense to the Owner's Representative as soon as possible, plants that are dead or not in vigorous, healthy growing condition; replacement shall be of the same kind and size as originally specified and shall be planted as described on the drawings and in the specifications.
- C. Specimen trees that die during the 12 month guarantee period and are deemed the responsibility of the contractor shall be replaced by a boxed tree of the same variety and size at no cost to the Owner's Representative.
- D. Contractor shall not be held liable for loss of plant materials during the guarantee period due to vandalism or accidental causes.
- E. The first day of the guarantee period shall be the date of the letter informing the contractor that the maintenance period has been accepted by the Owner's Representative.

END OF SECTION

**PHASE 1:
AFTER NTP**

ALL UNDERGROUND UTILITIES & BASE ROCK FOR PAVING SHALL BE COMPLETE BEFORE INCREMENT #2 CONTRACTOR MOBILIZES TO SITE.

INCREMENT #2 ANTICIPATED MOBILIZATION DATE IS 2/1/2023.

PHASE 3

ADD ALTERNATE #2 (IF ACCEPTED) SCOPE OF WORK SHALL BE DONE DURING NON-SCHOOL HOURS AND LONG BREAK PERIODS.

SCHEDULE TO BE DETERMINED BY PG&E AND LONG LEAD OF EQUIPMENT.

TIME OF COMPLETION TO BE DETERMINED.

PHASE 2:

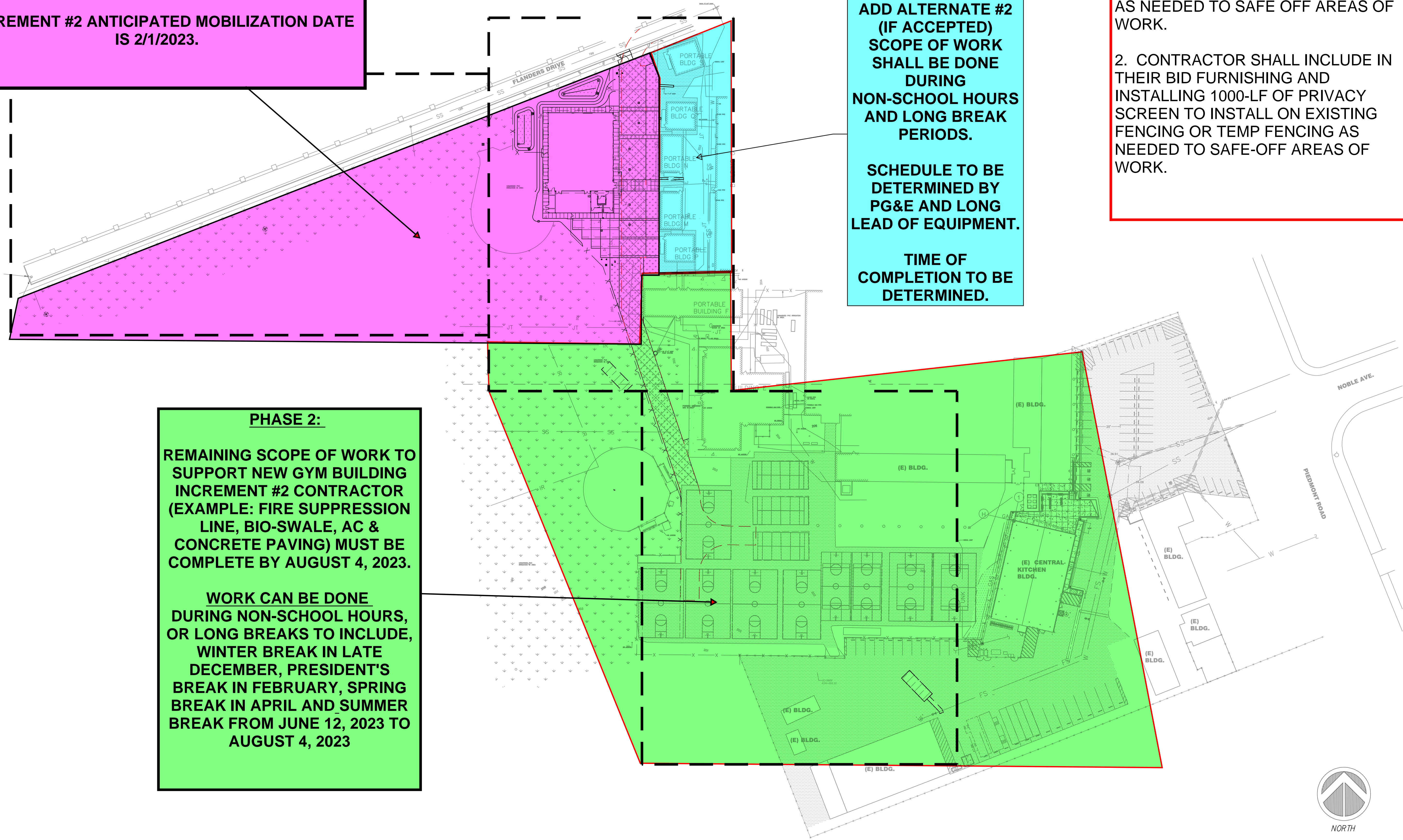
REMAINING SCOPE OF WORK TO SUPPORT NEW GYM BUILDING INCREMENT #2 CONTRACTOR (EXAMPLE: FIRE SUPPRESSION LINE, BIO-SWALE, AC & CONCRETE PAVING) MUST BE COMPLETE BY AUGUST 4, 2023.

WORK CAN BE DONE DURING NON-SCHOOL HOURS, OR LONG BREAKS TO INCLUDE, WINTER BREAK IN LATE DECEMBER, PRESIDENT'S BREAK IN FEBRUARY, SPRING BREAK IN APRIL AND SUMMER BREAK FROM JUNE 12, 2023 TO AUGUST 4, 2023

GENERAL NOTES:

1. CONTRACTOR SHALL INCLUDE IN THEIR BID FURNISHING AND INSTALLING 500-LF OF TEMPORARY 6-FT HIGH CHAIN LINK FENCE TO USE AS NEEDED TO SAFE OFF AREAS OF WORK.

2. CONTRACTOR SHALL INCLUDE IN THEIR BID FURNISHING AND INSTALLING 1000-LF OF PRIVACY SCREEN TO INSTALL ON EXISTING FENCING OR TEMP FENCING AS NEEDED TO SAFE-OFF AREAS OF WORK.

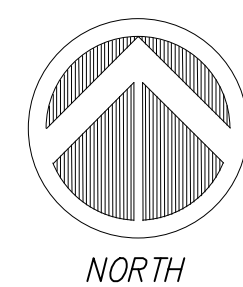


PIEDMONT MIDDLE SCHOOL
955 PIEDMONT ROAD
SAN JOSE, CA 95132
NEW MODULAR GYMNASIUM & SITE WORK
INCREMENT 1

SITE LOGISTICS

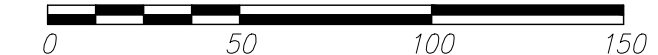
PLAN

ADDENDUM #2



NORTH

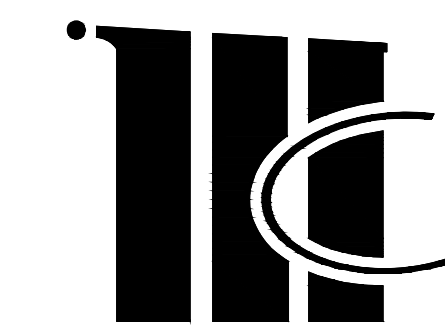
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Engineer Seal



Architect Seal

Project Title

PIEDMONT MIDDLE SCHOOL
955 PIEDMONT ROAD
SAN JOSE, CA 95132
NEW MODULAR GYMNASIUM & SITE WORK INCREMENT 1

Client

BERRYESSA UNION SCHOOL DISTRICT
1376 PIEDMONT RD
SAN JOSE, CA 95132

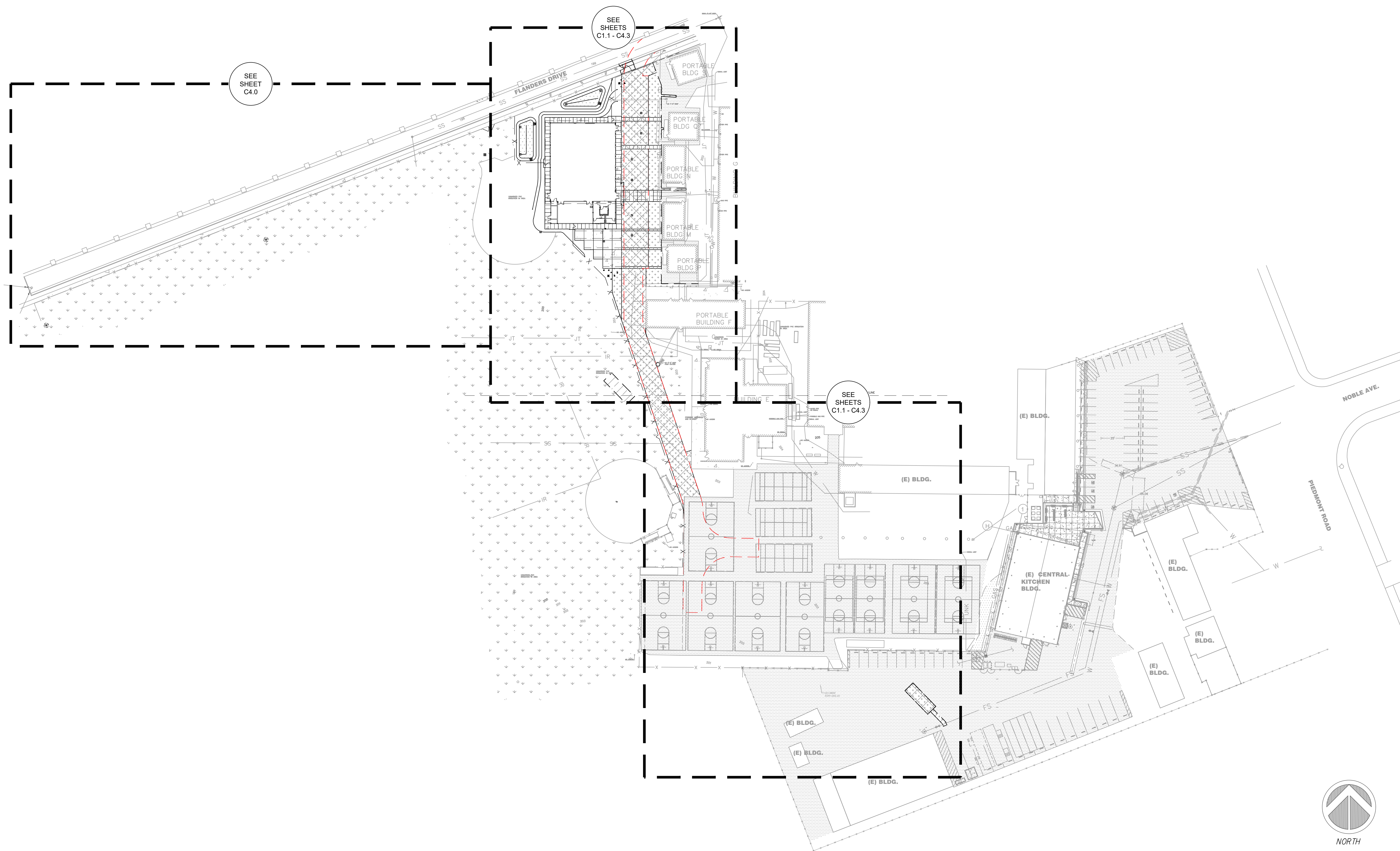
No	Revisions/Submissions	Date
	DSA Submittal V1	10/06/2022
	Addendum #2	11/23/2022

Drawing Title

OVERALL SITE PLAN

Project No. 2106 Date September 12, 2022

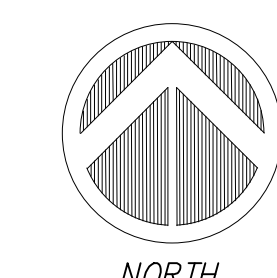
CD Drawing Number AD2-C0.1



SEE SHEET C4.0

SEE SHEETS C1.1 - C4.3

SEE SHEETS C1.1 - C4.3



NORTH

SCALE: 1"=50'



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**PIEDMONT MIDDLE
SCHOOL
955 PIEDMONT ROAD
SAN JOSE, CA 95132
NEW MODULAR GYMNASIUM
& SITE WORK
INCREMENT 1**

Client

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SAN JOSE, CA 95132

No

Revisions/Submissions

Date

No	Revisions/Submissions	Date
	DSA Submittal V1	10/06/2022
	Addendum #2	11/23/2022

Drawing Title

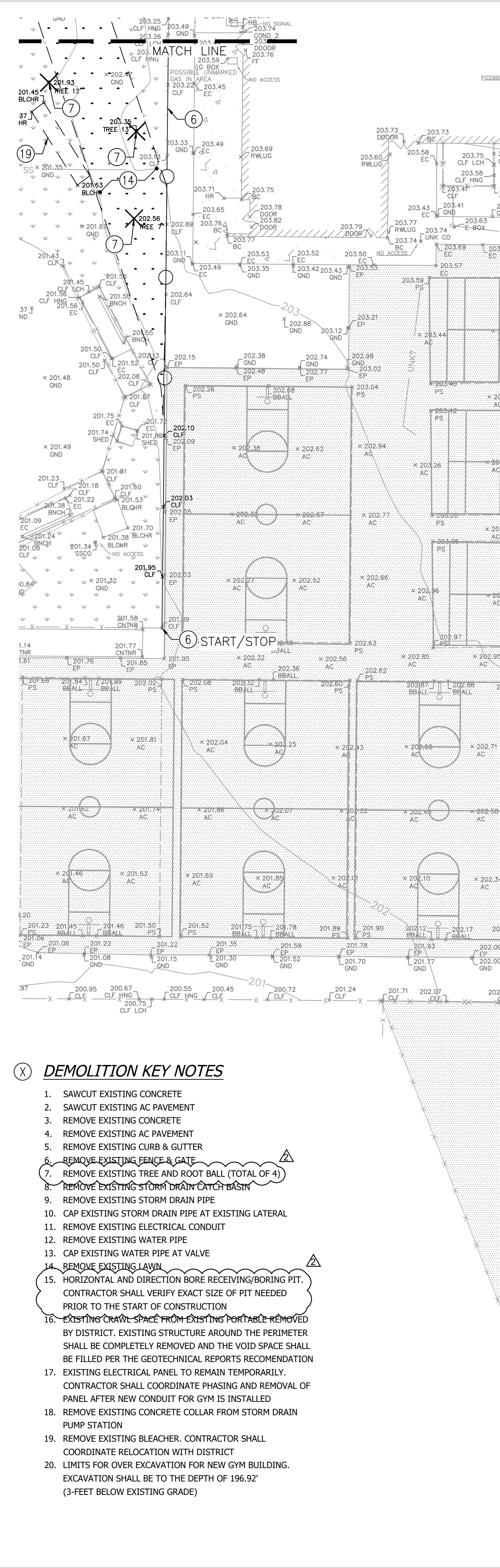
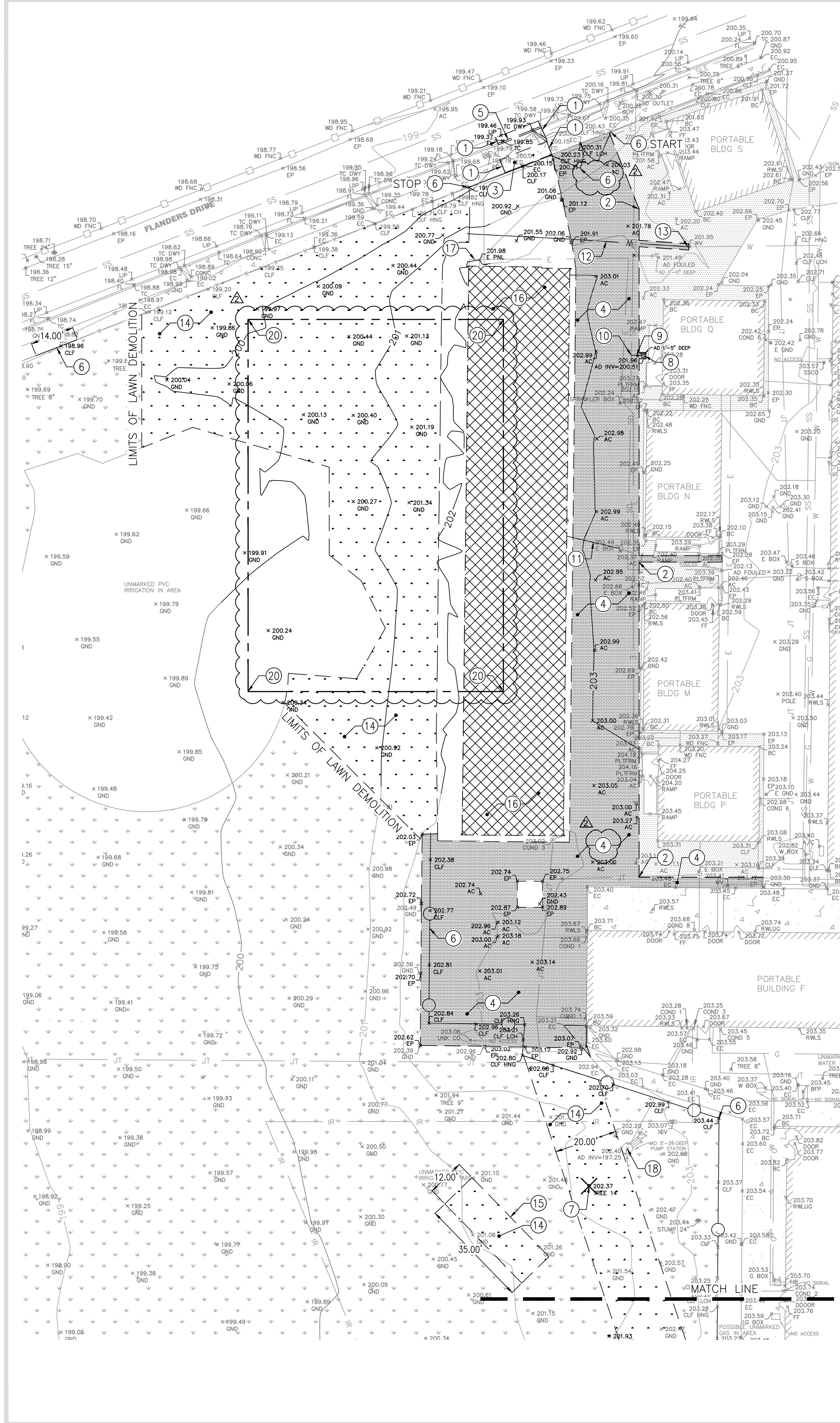
EXISTING SITE & DEMOLITION PLAN

Project No.
2106

Date
September 12, 2022

CD

Drawing Number
AD2-C1.1



LEGEND

- EXISTING CONCRETE TO REMAIN
- EXISTING AC PAVEMENT TO REMAIN
- EXISTING CONCRETE TO BE REMOVED
- EXISTING AC PAVEMENT TO BE REMOVED
- OVER EXCAVATION LIMITS FOR NEW GYM
- EXISTING TREE TO BE REMOVED

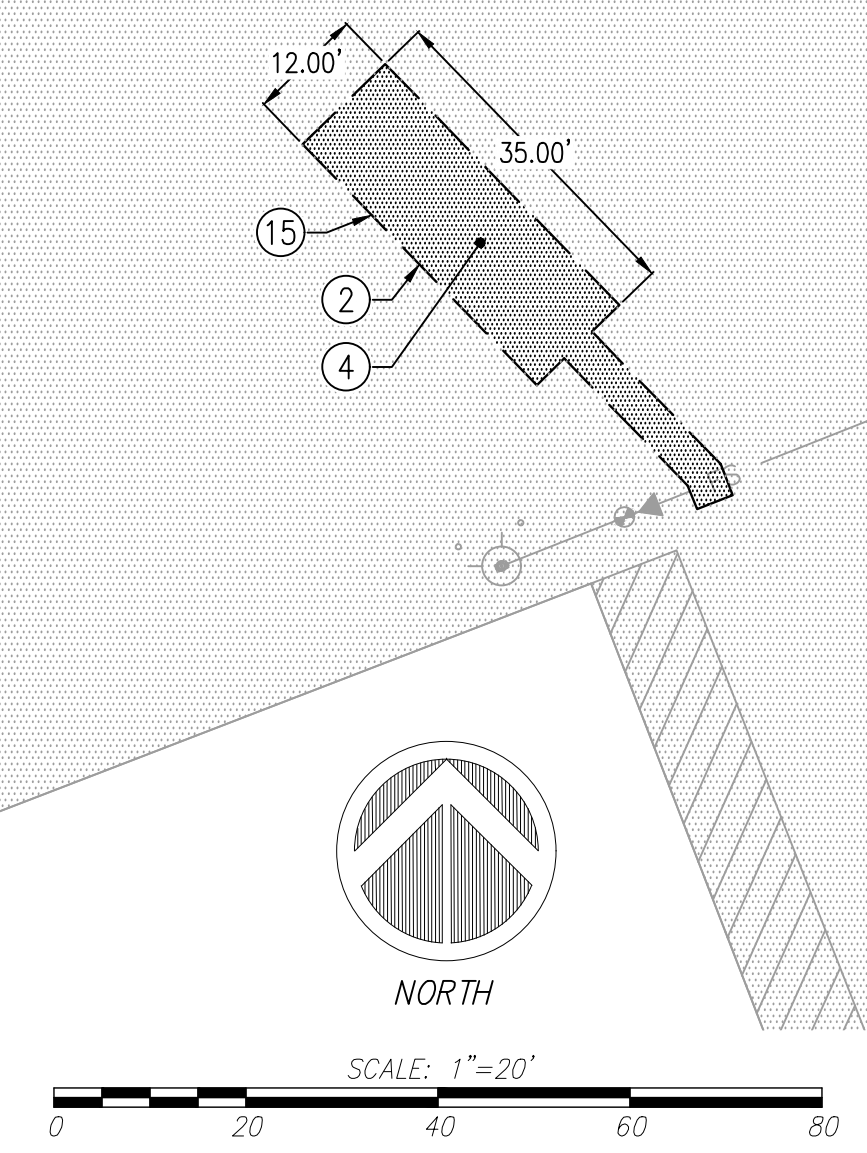
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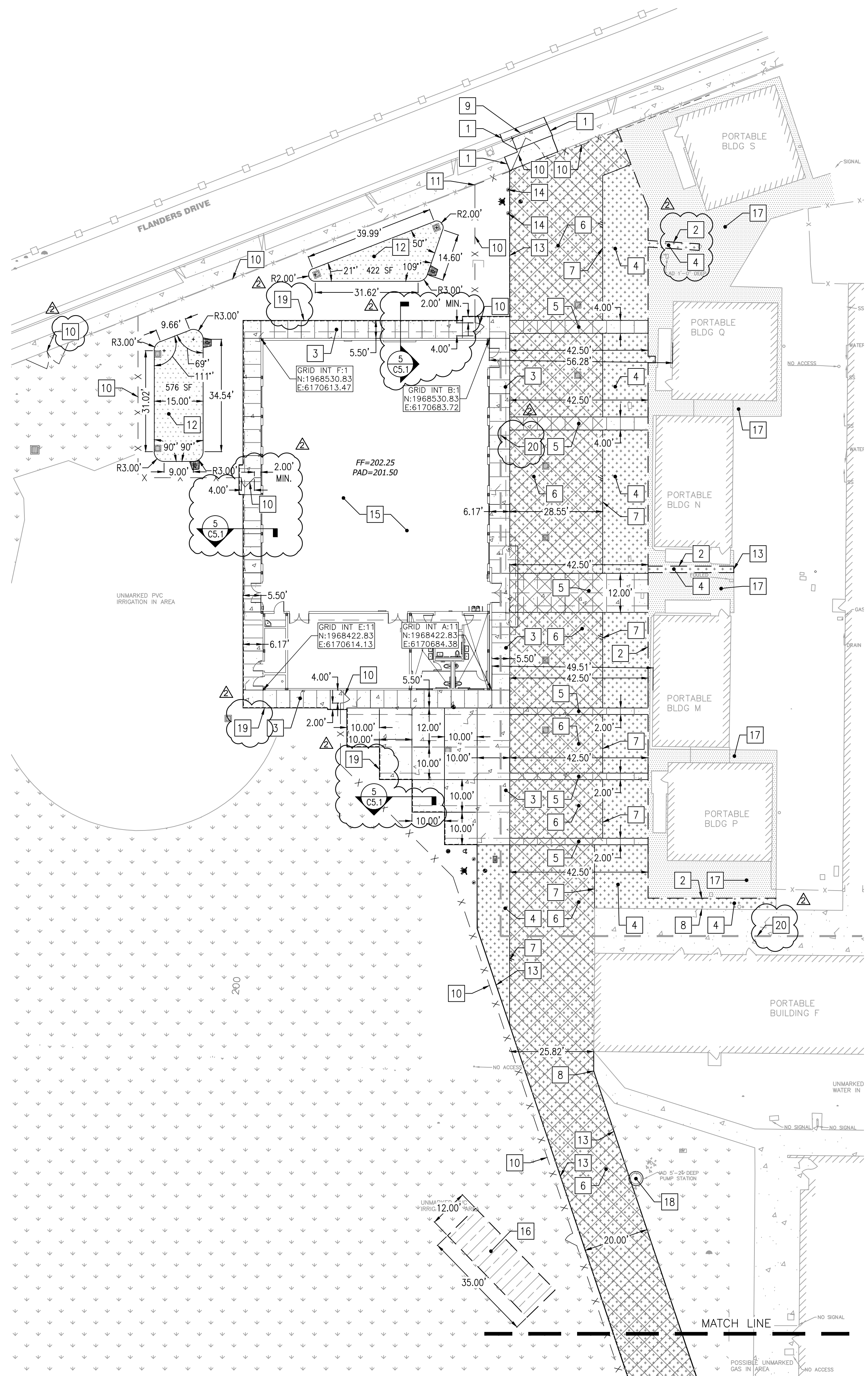
- AC ASPHALT CONCRETE
- AD AREA DRAIN
- APN ASSESSORS PARCEL NUMBER
- BC BUILDING CORNER
- BFC BOTTOM FACE OF CURB
- BFW BOTTOM FACE OF WALL
- BLDG BUILDING
- CB CATCH BASIN
- CLF CHAIN LINK FENCE
- CO CLEANOUT
- CNDT CONDUIT
- COMM COMMUNICATION
- CONC CONCRETE
- COR CORNER
- DBA DOUBLE
- DIA DIAMETER
- EC EDGE OF CONCRETE
- EL ELEVATION
- ELEC ELECTRIC
- EP EDGE OF PAVEMENT
- EVA EXISTING VEHICLE ACCESS
- EX EXISTING
- FH FIRE HYDRANT
- FL FLOWLINE
- FNC FACE OF WALL
- FW HINGE
- HV HIGH VOLTAGE
- INCH INCH
- INV INVERT
- LCH LATCH
- LIP LIP OF GUTTER
- MTR METER
- NP NO PARKING
- PS PARKING STRIPE
- SDAD STORM DRAIN AREA DRAIN
- SSDI STORM DRAIN DROP INLET
- SSCO SANITARY SEWER CLEANOUT
- TC TURB
- TYP TYPICAL
- WV WATER VALVE
- (ME) MATCH EXISTING

- SITE DEMOLITION & PREPARATION NOTES**
- PRIOR TO THE START OF DEMOLITION CORNERSTONE OR THE PROJECT GEOTECHNICAL ENGINEER SHALL BE NOTIFIED AND BE PRESENT ON AT LEAST A PART-TIME BASIS DURING ALL BACKFILL AND MASS GRADING AS A RESULT OF DEMOLITION.
 - OTHER TYPES OF BURIED STRUCTURES MAY BE FOUND ON SITES WITH PRIOR DEVELOPMENT AND THE PROJECT GEOTECHNICAL ENGINEER SHALL BE CONTACTED TO ADDRESS THESE TYPES OF STRUCTURES ON A CASE-BY-CASE BASIS.
 - THE SITE SHOULD BE CLEARED OF EXISTING STRUCTURES, ABANDONED UTILITIES, VEGETATION, ORGANIC TOPSOIL, DEBRIS, UNDOCUMENTED LOOSE OR SOFT FILL, AND OTHER DELETERIOUS MATERIALS.
 - ALL UNDOCUMENTED FILL ENCOUNTERED PER THE GEOTECHNICAL INVESTIGATION SHALL BE COMPLETELY REMOVED FROM THE NEW BUILDING LOCATION AND TO A LATERAL DISTANCE OF 5 FEET BEYOND THE BUILDING FOOTPRINT OR TO A LATERAL DISTANCE EQUAL TO FILL DEPTH BELOW PERIMETER FOOTING, WHICHEVER IS GREATER.
 - FILL SHOULD BE COMPLETELY REMOVED FROM IMPROVEMENT AREAS FOR THE NEW BUILDING.
 - FILLS LOCATED IN PROPOSED PAVEMENT AND FLATWORK AREA MAT BE LEFT IN PLACE PROVIDED THEY ARE DETERMINED TO BE A LOW RISK FOR FUTURE DIFFERENTIAL SETTLEMENT AND THAT THE UPPER 12 TO 18 INCHES OF FILL BELOW PAVEMENT SUBGRADE IS RE-WORKED AND COMPACTED BE THE "COMPACTION" SECTION PROVIDED IN THE GEOTECHNICAL INVESTIGATION.
 - TO REDUCE THE POTENTIAL FOR SEISMIC/DRY SAND SETTLEMENT TO AND IMPACT THE PROPOSED BUILDING, IT IS RECOMMENDED THE SOIL WITHIN THE NEW GYMNASIUM FOOTPRINT BE OVER-EXCAVATED 3-FEET BELOW EXISTING GRADES, MOISTURE CONDITIONED, AS NEEDED, AND REPLACED IN LIFTS AND COMPACTED AS ENGINEERED FILL. REFER TO THE "COMPACTION" SECTION IN THE GEOTECHNICAL REPORT FOR COMPACTION AND MOISTURE CONDITIONING RECOMMENDATIONS.
 - AFTER SITE CLEARING AND DEMOLITION IS COMPLETE, AND PRIOR TO BACKFILLING THE EXCAVATION SUBGRADE AND SUBGRADE WITHIN AREAS TO RECEIVE ADDITIONAL FILLS, SLAB-ON-GRADE AND/OR PAVEMENTS SHALL BE SACRIFICED TO A DEPTH OF 12-INCHES, MOISTURE CONDITIONED, AND COMPACTED IN ACCORDANCE WITH THE "COMPACTION" SECTION PROVIDED IN THE GEOTECHNICAL INVESTIGATION.
 - THE GEOTECHNICAL ENGINEER'S REPRESENT SHOULD OBSERVE AND CONFIRM THE ADEQUACY OF SITE CLEARING OPERATIONS DURING CONSTRUCTION PRIOR TO ENGINEERED FILL PLACEMENT.
 - ON-SITE SOILS HAVING AN ORGANIC CONTENT OF LESS THAN 3-PERCENT BY WEIGHT MAY BE USED AS GENERAL FILL. GENERAL FILL SHOULD NOT HAVE LUMPS, CLODS AND COBBLE PIECES LARGER THAN 6-INCHES IN DIAMETER; 85 PERCENT OF THE FILL SHOULD BE SMALLER THAN 2-1/2 INCHES IN DIAMETER.
 - DUE TO THE HIGH CLAY CONTENT AND VARIABLE PLASTICITY INDEX (PI) OF THE ON-SITE SOIL MATERIALS, IT IS NOT LIKELY THAT SUFFICIENT QUANTITIES OF NON-EXPANSIVE FILL WILL BE GENERATED FROM CUT MATERIALS

DEMOLITION KEY NOTES

- SAWCUT EXISTING CONCRETE
- SAWCUT EXISTING AC PAVEMENT
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING AC PAVEMENT
- REMOVE EXISTING CURB & GUTTER
- REMOVE EXISTING FENCE & GATE
- REMOVE EXISTING TREE AND ROOT BALL (TOTAL OF 4)
- REMOVE EXISTING STORM DRAIN CATCH BASIN
- REMOVE EXISTING STORM DRAIN PIPE
- CAP EXISTING STORM DRAIN PIPE AT EXISTING LATERAL
- REMOVE EXISTING ELECTRICAL CONDUIT
- REMOVE EXISTING WATER PIPE
- CAP EXISTING WATER PIPE AT VALVE
- REMOVE EXISTING LAWN
- HORIZONTAL AND DIRECTION BORE RECEIVING BORING PIT. CONTRACTOR SHALL VERIFY EXACT SIZE OF PIT NEEDED PRIOR TO THE START OF CONSTRUCTION
- EXISTING CURB SPACE FROM EXISTING PORTABLE TO BE REMOVED BY DISTRICT. EXISTING STRUCTURE AROUND THE PERIMETER SHALL BE COMPLETELY REMOVED AND THE VOID SPACE SHALL BE FILLED PER THE GEOTECHNICAL REPORT'S RECOMMENDATION
- EXISTING ELECTRICAL PANEL TO REMAIN TEMPORARILY. CONTRACTOR SHALL COORDINATE PHASING AND REMOVAL OF PANEL AFTER NEW CONDUIT FOR GYM IS INSTALLED
- REMOVE EXISTING CONCRETE COLLAR FROM STORM DRAIN PUMP STATION
- REMOVE EXISTING BLEACHER. CONTRACTOR SHALL COORDINATE RELOCATION WITH DISTRICT
- LIMITS FOR OVER EXCAVATION FOR NEW GYM BUILDING. EXCAVATION SHALL BE TO THE DEPTH OF 196.92' (3-FEET BELOW EXISTING GRADE)



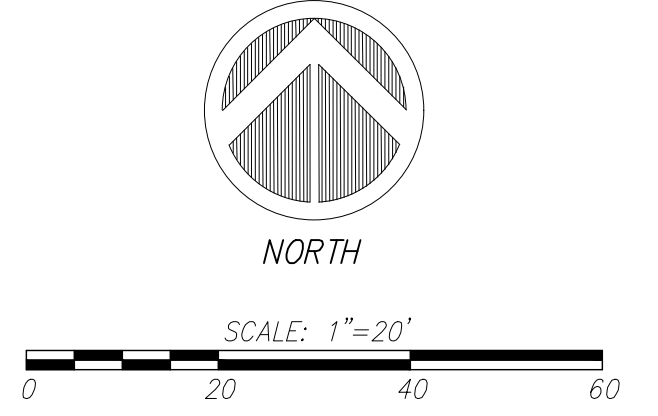


LEGEND

- EXISTING CONCRETE TO REMAIN
- EXISTING AC PAVEMENT TO REMAIN
- CONCRETE SIDEWALK
- STANDARD AC PAVEMENT
- VEHICULAR CONCRETE
- HEAVY DUTY AC PAVEMENT
- DIRECTIONAL BORING PIT LOCATIONS
- CONCRETE SIDEWALK DEEPENED EDGE
- ACCESSIBLE PATH OF TRAVEL

- X IMPROVEMENT KEY NOTES**
1. MATCH EXISTING CONCRETE AT SAWCUT LINE (SEE DETAIL 5, SHEET C5.1)
 2. MATCH EXISTING AC PAVEMENT AT SAWCUT LINE (SEE DETAIL 3, SHEET C5.1)
 3. CONCRETE SIDEWALK (SEE DETAIL 5, SHEET C5.1)
 4. STANDARD AC PAVEMENT (SEE DETAIL 2, SHEET C5.1)
 5. VEHICULAR CONCRETE BAND (SEE DETAIL 7, SHEET C5.1)
 6. HEAVY DUTY AC PAVEMENT (SEE DETAIL 1, SHEET C5.1)
 7. LIMITS OF HEAVY DUTY AC PAVING
 8. MATCH AC PAVING AT EDGE OF EXISTING HARDSCAPE
 9. CONCRETE DRIVEWAY WITH DETACHED SIDEWALK PER CITY STANDARD R-5 (SEE SHEET C5.1)
 10. FENCE & GATE (SEE ARCHITECTURAL PLANS)
 11. CONNECTION TO EXISTING CHAIN LINK FENCE
 12. BIORETENTION AREA (SEE DETAIL 8, SHEET C5.2)
 13. HEADER AT EDGE OF AC PAVING (SEE DETAIL 4, SHEET C5.1)
 14. FIXED BOLLARD (SEE DETAIL 8, SHEET C5.1)
 15. GYM BUILDING (SEE INC 2 PLANS FOR DESIGN)
 16. DIRECTIONAL BORING RECEIVING/BORING PIT. CONTRACTOR SHALL VERIFY EXACT SIZE OF PIT NEEDED PRIOR TO THE START OF CONSTRUCTION
 17. CONTRACTOR SHALL SEAL COAT THE EXISTING AC PAVEMENT AFTER ALL OF THE HARDSCAPE IMPROVEMENTS ARE COMPLETE
 18. INSTALL CONCRETE COLLAR ON EXISTING STORM DRAIN PUMP STATION (SEE DETAIL 5, SHEET C5.2)
 19. CONCRETE SIDEWALK DEEPENED EDGE WHEN ADJACENT TO LANDSCAPE AREA (SEE DETAIL 5, SHEET C5.1)
 20. ACCESSIBLE PATH OF TRAVEL. SEE SHEET A-0.2 FOR CONTINUATION THROUGH THE CAMPUS

ADD ALTERNATE #1 NOTE:
 BASE BID - VEHICULAR CONCRETE BANDS
 ADD ALTERNATE #1 - HEAVY DUTY AC PAVEMENT WITH DECORATIVE PAINT BANDS. PAINT PATTERN AND/OR COLOR TO BE PROVIDED BY A.G.R. DURING CONSTRUCTION



Regulatory Agency Approval

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Engineer Seal



Architect Seal

Project Title

PIEDMONT MIDDLE SCHOOL
 955 PIEDMONT ROAD
 SAN JOSE, CA 95132
NEW MODULAR GYMNASIUM & SITE WORK INCREMENT 1

Client

BERRYESSA UNION SCHOOL DISTRICT
 1376 PIEDMONT RD
 SAN JOSE, CA 95132

No

Revisions/Submissions	Date
DSA Submittal V1	10/06/2022
Addendum #2	11/23/2022

Drawing Title

SITE IMPROVEMENT PLAN

Project No.

2106 Date
 September 12, 2022

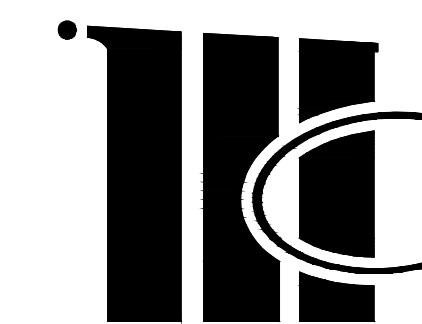
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Drawing Number
AD2-C2.1

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Date

DSA Submittal V1

10/06/2022

Addendum #2

11/23/2022

Drawing Title

FIRE ACCESS SITE PLAN

Project No.

Date

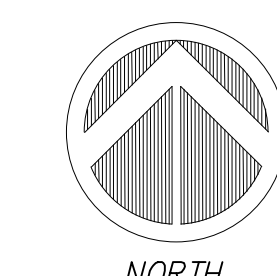
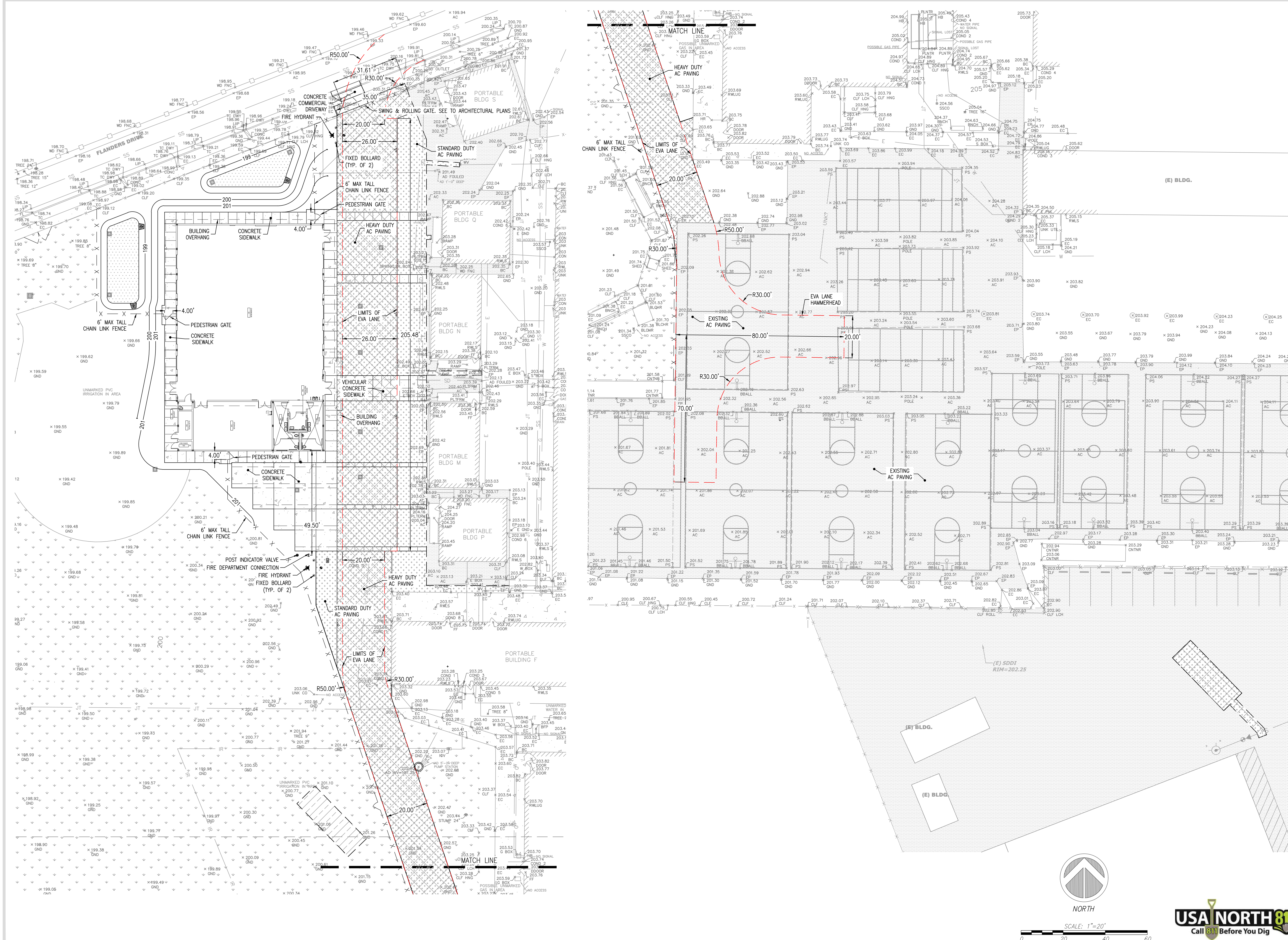
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September 12, 2022

CD

Drawing Number

AD2-C2.2

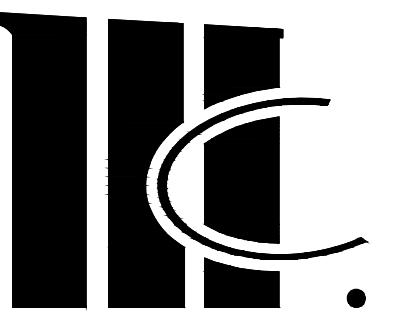


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Addendum #2 11/23/2022

Drawing Title

GRADING PLAN

Project No.

Date

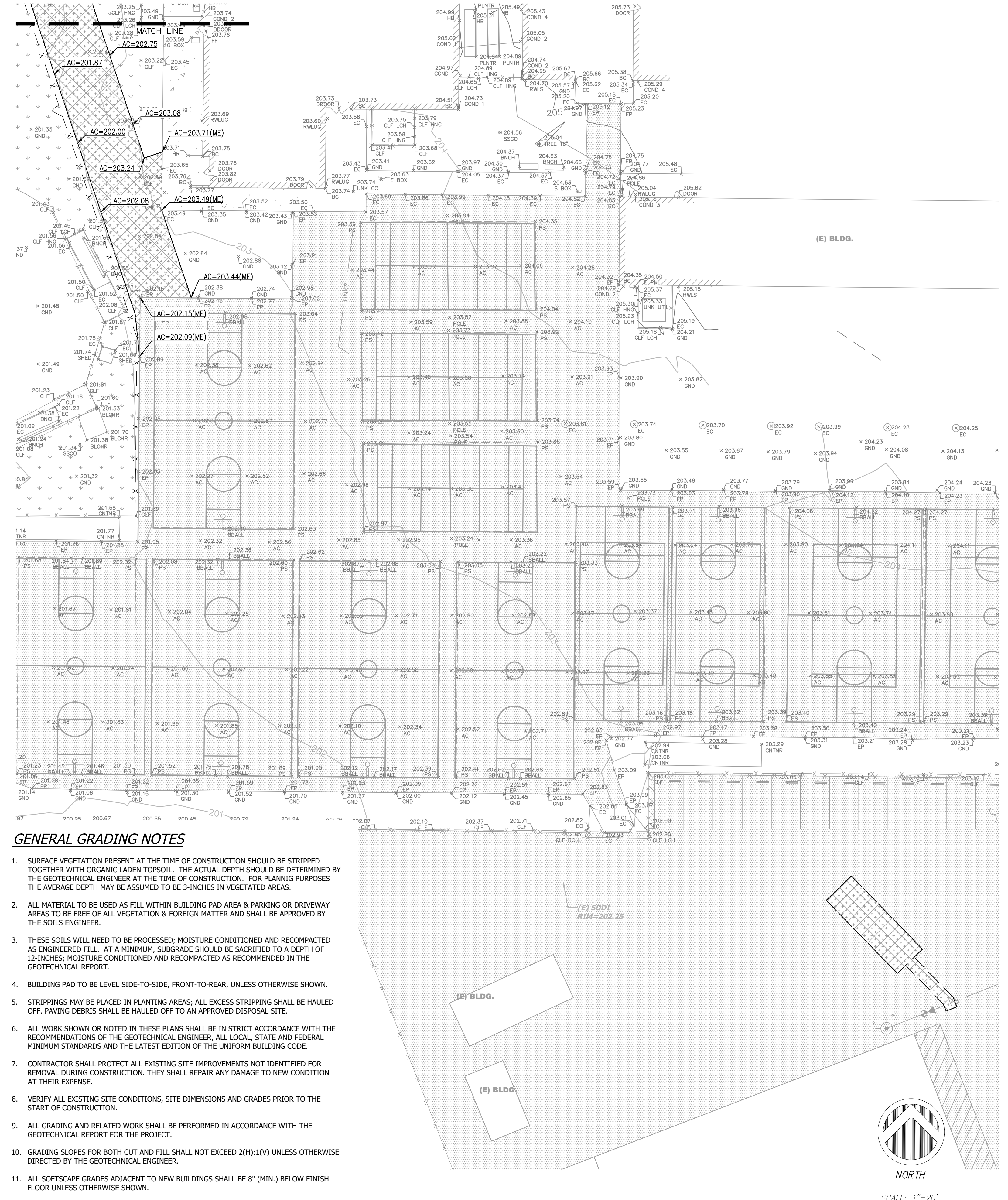
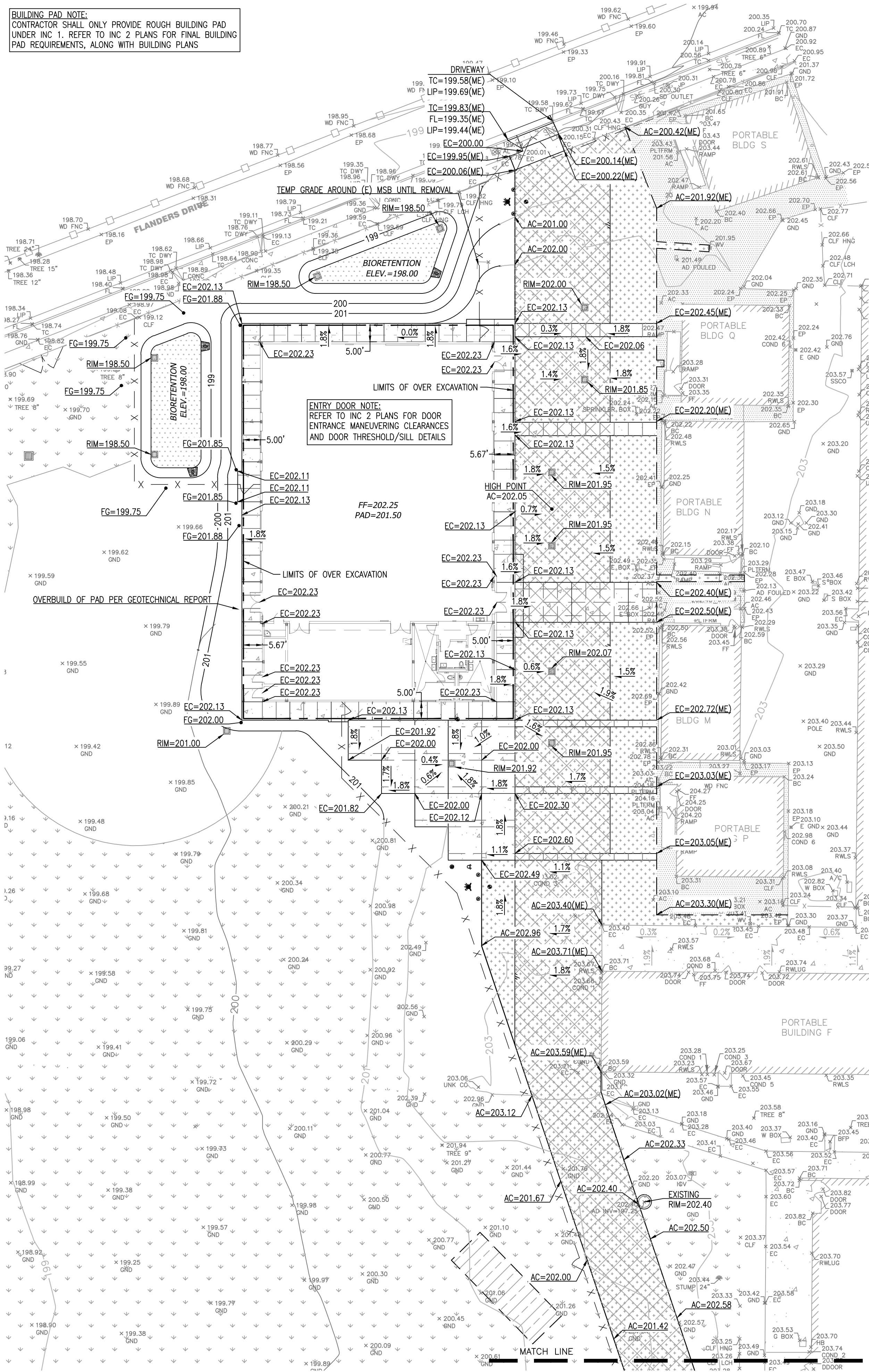
2106 September 12, 2022

CD

Drawing Number

AD2-C3.1

BUILDING PAD NOTE:
CONTRACTOR SHALL ONLY PROVIDE ROUGH BUILDING PAD UNDER INC 1. REFER TO INC 2 PLANS FOR FINAL BUILDING PAD REQUIREMENTS, ALONG WITH BUILDING PLANS



GENERAL GRADING NOTES

1. SURFACE VEGETATION PRESENT AT THE TIME OF CONSTRUCTION SHOULD BE STRIPPED TOGETHER WITH ORGANIC LADEN TOPSOIL. THE ACTUAL DEPTH SHOULD BE DETERMINED BY THE GEOTECHNICAL ENGINEER AT THE TIME OF CONSTRUCTION. FOR PLANNING PURPOSES THE AVERAGE DEPTH MAY BE ASSUMED TO BE 3-INCHES IN VEGETATED AREAS.
2. ALL MATERIAL TO BE USED AS FILL WITHIN BUILDING PAD AREA & PARKING OR DRIVEWAY AREAS TO BE FREE OF ALL VEGETATION & FOREIGN MATTER AND SHALL BE APPROVED BY THE SOILS ENGINEER.
3. THESE SOILS WILL NEED TO BE PROCESSED; MOISTURE CONDITIONED AND RECOMPACTED AS ENGINEERED FILL. AT A MINIMUM, SUBGRADE SHOULD BE SACRIFICED TO A DEPTH OF 12-INCHES; MOISTURE CONDITIONED AND RECOMPACTED AS RECOMMENDED IN THE GEOTECHNICAL REPORT.
4. BUILDING PAD TO BE LEVEL SIDE-TO-SIDE, FRONT-TO-REAR, UNLESS OTHERWISE SHOWN.
5. STRIPPINGS MAY BE PLACED IN PLANTING AREAS; ALL EXCESS STRIPPING SHALL BE HAULED OFF. PAVING DEBRIS SHALL BE HAULED OFF TO AN APPROVED DISPOSAL SITE.
6. ALL WORK SHOWN OR NOTED IN THESE PLANS SHALL BE IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER, ALL LOCAL, STATE AND FEDERAL MINIMUM STANDARDS AND THE LATEST EDITION OF THE UNIFORM BUILDING CODE.
7. CONTRACTOR SHALL PROTECT ALL EXISTING SITE IMPROVEMENTS NOT IDENTIFIED FOR REMOVAL DURING CONSTRUCTION. THEY SHALL REPAIR ANY DAMAGE TO NEW CONDITION AT THEIR EXPENSE.
8. VERIFY ALL EXISTING SITE CONDITIONS, SITE DIMENSIONS AND GRADES PRIOR TO THE START OF CONSTRUCTION.
9. ALL GRADING AND RELATED WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT FOR THE PROJECT.
10. GRADING SLOPES FOR BOTH CUT AND FILL SHALL NOT EXCEED 2(H):1(V) UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER.
11. ALL SOFTSCAPE GRADES ADJACENT TO NEW BUILDINGS SHALL BE 8" (MIN.) BELOW FINISH FLOOR UNLESS OTHERWISE SHOWN.
12. CONTRACTOR SHALL GRADE TO ENSURE DRAINAGE FLOWS AWAY FROM NEW BUILDINGS WITHIN LANDSCAPE AREAS AT 3% AND 2% IN HARDSCAPE AREAS.
13. MINIMIZE GRADING UNDER TREE CANOPIES AND DO NOT EXPOSE EXISTING TREE ROOTS.
14. PONDING SHALL NOT OCCUR ADJACENT TOP BUILDING FOUNDATIONS, SLAB-ON-GRADE, OR PAVED AREAS.
6. CHANGES IN VERTICAL ELEVATION AT GROUND SURFACES SHALL BE MAXIMUM 1/4" (0.02') WITHOUT EDGE TREATMENT (PER CBC 11B-303.2)



SCALE: 1"=20'



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Engineer Seal



Architect Seal

Project Title

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955 PIEDMONT ROAD
SAN JOSE, CA 95132
NEW MODULAR GYMNASIUM & SITE WORK INCREMENT 1

Client

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1376 PIEDMONT RD
SAN JOSE, CA 95132

No	Revisions/Submissions	Date
1	DSA Submittal V1	10/06/2022
2	Addendum #2	11/23/2022

Drawing Title

OVERALL SITE UTILITY PLAN

Project No. 2106 Date September 12, 2022

Drawing Number
CD AD2-C4.0



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DSA Submittal V1	10/06/2022
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Drawing Title

UTILITY PLAN

Project No. 2106

Date September 12, 2022

Drawing Number

CD AD2-C4.1

STORM DRAIN PIPE DATA

- 36 LF OF 10" HDPE @ 1.2% SLOPE
- 28 LF OF 8" HDPE @ 0.5% SLOPE
- 54 LF OF 8" HDPE @ 0.5% SLOPE
- 38 LF OF 6" HDPE @ 0.5% SLOPE
- 45 LF OF 8" HDPE @ 0.5% SLOPE
- 28 LF OF 4" HDPE @ 2.0% SLOPE MIN.
- 21 LF OF 6" HDPE @ 0.5% SLOPE
- 29 LF OF 6" HDPE @ 0.5% SLOPE
- 21 LF OF 6" HDPE @ 0.5% SLOPE
- 16 LF OF 4" HDPE @ 2.0% SLOPE MIN.
- 77 LF OF 8" HDPE @ 0.5% SLOPE
- 11 LF OF 4" HDPE @ 2.0% SLOPE MIN.
- 30 LF OF 6" HDPE @ 0.5% SLOPE
- 20 LF OF 6" HDPE @ 0.5% SLOPE
- 18 LF OF 4" HDPE @ 2.0% SLOPE MIN.
- 7 LF OF 4" PERF-PIPE @ 0.35% SLOPE
- 30 LF OF 4" PERF-PIPE @ 0.35% SLOPE
- 34 LF OF 4" PERF-PIPE @ 0.35% SLOPE
- 15 LF OF 4" HDPE @ 2.0% SLOPE MIN.
- 20 LF OF 4" HDPE @ 2.0% SLOPE MIN.

STORM DRAIN NOTES

- V64 DROP INLET (SEE DETAIL 3, SHEET C5.2)
- BIORETENTION AREA (SEE DETAIL 10, SHEET C5.1)
- P.O.C. TO RWL. (SEE INC 2 PLUMBING PLANS FOR EXACT LOCATION AND DEPTH)
- ANGLED STORM DRAIN OUTLET WITH GROUNDED RIP-RAP (SEE DETAIL 4, SHEET C5.2)
- STORM DRAIN MANHOLE (SEE DETAILS 5 & 6, SHEET C5.2)
- U21 DROP INLET (SEE DETAIL 7, SHEET C5.2)
- INSTALL CONCRETE COLLAR ON EXISTING STORM DRAIN PUMP STATION (SEE DETAIL 5, SHEET C5.2)

SANITARY SEWER NOTES

- P.O.C. TO (E) SS MAIN. CONTRACTOR SHALL POT HOLE TO VERIFY EXACT LOCATION, DEPTH, SIZE, AND MATERIAL PRIOR TO THE START OF CONSTRUCTION
- P.O.C. TO BUILDING SEWER LATERAL (SEE INC 2 PLUMBING PLANS FOR EXACT DEPTH AND LOCATION)
- SSCO (SEE DETAIL 2, SHEET C5.2)
- UTILITY CROSSING. CONTRACTOR SHALL POT HOLE PRIOR TO THE START OF CONSTRUCTION TO VERIFY EXACT DEPTH AND SIZE OF UTILITY

SANITARY SEWER PIPE DATA

- 3 LF OF 4" SDR-35 @ 1.0% SLOPE MIN.
- 61 LF OF 4" SDR-35 @ 1.0% SLOPE MIN.
- 40 LF OF 4" SDR-35 @ 1.0% SLOPE MIN.
- 8 LF OF 4" SDR-35 @ 1.0% SLOPE MIN.

BIORETENTION SOIL REQUIREMENTS

- BIORETENTION SOIL MIX SHALL MEET THE REQUIREMENTS AS OUTLINED IN APPENDIX C OF THE C3 STORM WATER HANDBOOK AND SHALL BE A MIXTURE OF FINE SAND AND COMPOST MEASURED ON A VOLUME BASIS OF 60-70% SAND AND 30-40% COMPOST. CONTRACTOR TO REFER TO APPENDIX C FOR SAND AND COMPOST MATERIAL SPECIFICATIONS. CONTRACTOR MAY OBTAIN A COPY OF THE C3 HANDBOOK AT <https://cleanwater.sccgov.org>
- PRIOR TO ORDERING THE BIOTREATMENT SOIL MIX OR DELIVERY TO THE PROJECT SITE, CONTRACTOR SHALL PROVIDE A BIOTREATMENT SOIL MIX SPECIFICATION CHECKLIST, COMPLETED BY THE SOIL MIX SUPPLIER AND CERTIFIED TESTING LAB.

BIORETENTION NOTES

- SEE SITE IMPROVEMENT PLAN & GRADING PLAN FOR BASIN FOOTPRINT AND DESIGN ELEVATIONS.
- PLACE 3 INCHES OF COMPOSTED, NON-FLOATABLE MULCH ON SLOPES ADJACENT TO TREATMENT SOIL.
- SEE DETAIL 8 ON SHEET C5.2 FOR TREATMENT SOIL PARAMETERS.
- A MINIMUM 0.2' DROP BETWEEN STORM WATER ENTRY POINT (I.E. CURB OPENING, FLUSH CURB, ETC.) AND ADJACENT LANDSCAPE FINISHED GRADE.
- DO NOT COMPACT NATIVE SOIL / SUBGRADE AT BOTTOM OF BASIN. LOOSEN SOIL TO 18" DEPTH.
- DISTRICT SHALL BE RESPONSIBLE FOR ANNUAL MAINTENANCE

ROUTINE MAINTENANCE ACTIVITIES FOR BIORETENTION AREAS

NO.	MAINTENANCE TASK	FREQUENCY OF TASK
1	REMOVE OBSTRUCTIONS, WEEDS, DEBRIS AND TRASH FROM BIORETENTION AREA AND ITS INLETS AND OUTLETS; AND DISPOSE OF PROPERLY.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
2	INSPECT BIORETENTION AREA FOR STANDING WATER. IF STANDING WATER DOES NOT DRAIN WITHIN 2-3 DAYS, TILL AND REPLACE THE SURFACE BIOTREATMENT SOIL WITH THE APPROVED SOIL MIX AND REPLANT.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
3	CHECK UNDERDRAINS FOR CLOGGING. USE THE CLEANOUT RISER TO CLEAN ANY CLOGGED UNDERDRAINS.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
4	MAINTAIN THE IRRIGATION SYSTEM AND ENSURE THAT PLANTS ARE RECEIVING THE CORRECT AMOUNT OF WATER (IF APPLICABLE).	QUARTERLY
5	ENSURE THAT THE VEGETATION IS HEALTHY AND DENSE ENOUGH TO PROVIDE FILTERING AND PROTECT SOILS FROM EROSION. PRUNE AND WEED THE BIORETENTION AREA. REMOVE AND/OR REPLACE ANY DEAD PLANTS.	ANNUALLY, BEFORE THE WET SEASON BEGINS
6	USE COMPOST AND OTHER NATURAL SOIL AMENDMENTS AND FERTILIZERS INSTEAD OF SYNTHETIC FERTILIZERS, ESPECIALLY IF THE SYSTEM USES AN UNDERDRAIN.	ANNUALLY, BEFORE THE WET SEASON BEGINS
7	CHECK THAT MULCH IS AT APPROPRIATE DEPTH (2 - 3 INCHES PER SOIL SPECIFICATIONS) AND REPLENISH AS NECESSARY BEFORE WET SEASON BEGINS. IT IS RECOMMENDED THAT 2" - 3" OF ARBOR MULCH BE REAPPLIED EVERY YEAR.	ANNUALLY, BEFORE THE WET SEASON BEGINS
8	INSPECT THE ENERGY DISSIPATION AT THE INLET TO ENSURE IT IS FUNCTIONING ADEQUATELY, AND THAT THERE IS NO SCOUR OF THE SURFACE MULCH. REMOVE ACCUMULATED SEDIMENT.	ANNUALLY, BEFORE THE WET SEASON BEGINS
9	INSPECT OVERFLOW PIPE TO ENSURE THAT IT CAN SAFELY CONVEY EXCESS FLOWS TO A STORM DRAIN. REPAIR OR REPLACE DAMAGED PIPING.	ANNUALLY, BEFORE THE WET SEASON BEGINS
10	REPLACE BIOTREATMENT SOIL AND MULCH, IF NEEDED. CHECK FOR STANDING WATER, STRUCTURAL FAILURE AND CLOGGED OVERFLOWS. REMOVE TRASH AND DEBRIS. REPLACE DEAD PLANTS.	ANNUALLY AT THE END OF THE RAINY SEASON, AND/OR AFTER LARGE STORM EVENTS
11	INSPECT BIORETENTION AREA USING THE ATTACHED INSPECTION CHECKLIST.	ANNUALLY, BEFORE THE WET SEASON

LEGEND

- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION (FDC)
- POST INDICATOR VALVE (PIV)
- STORM DRAIN DROP INLET
- STORM DRAIN AREA DRAIN
- STORM DRAIN MANHOLE (SDMH)
- BIORETENTION AREA

UTILITY LINES

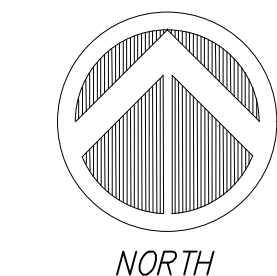
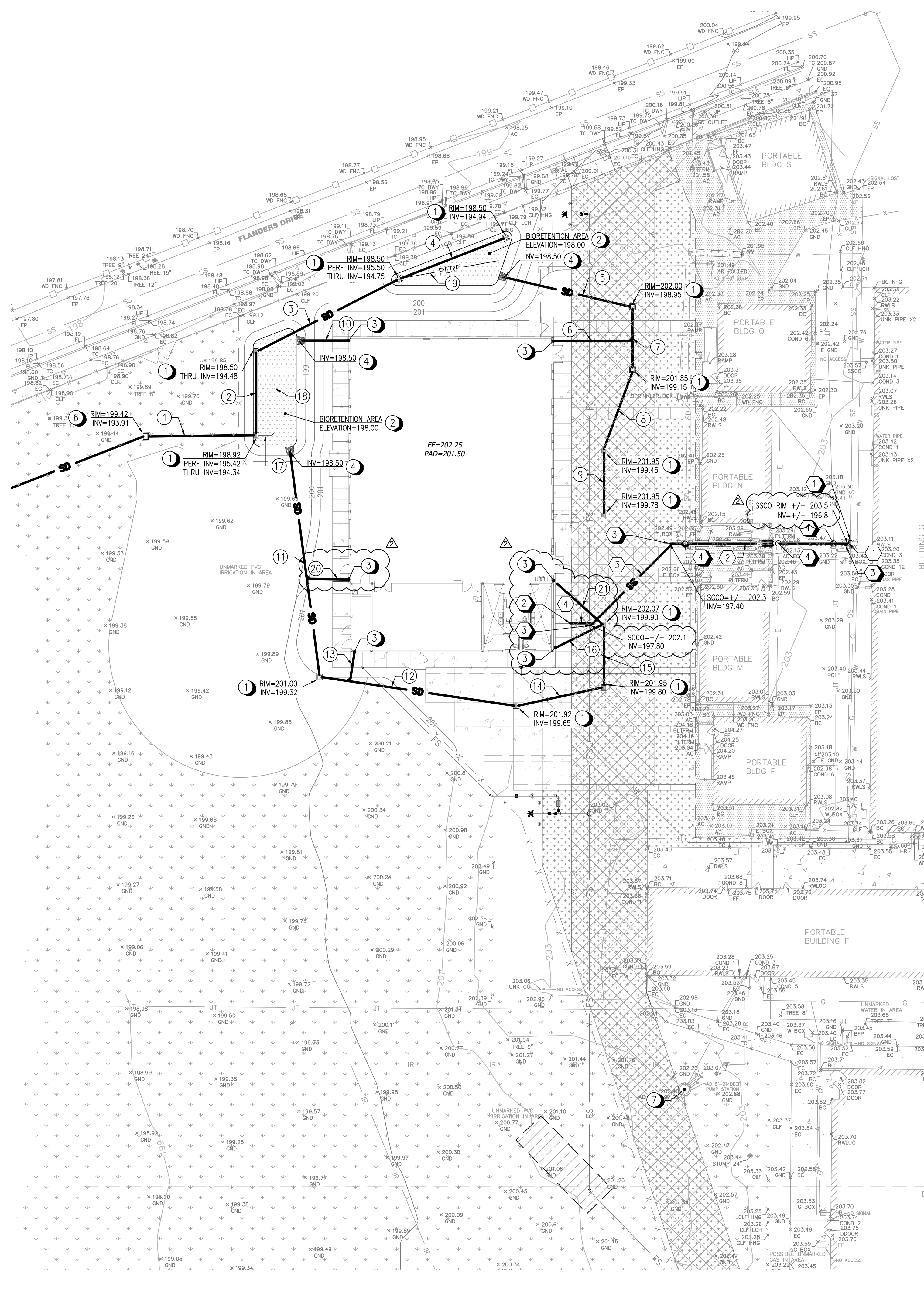
- (E) ELECTRIC
- (E) GAS
- (E) OVERHEAD
- (E) STORM DRAIN
- (E) SANITARY SEWER
- (E) TELEPHONE
- (E) WATER
- (E) IRRIGATION
- ELECTRIC
- GAS
- OVERHEAD
- STORM DRAIN
- SANITARY SEWER
- TELEPHONE
- WATER
- FIRE SUPPRESSION
- IRRIGATION
- PERF-PIPE

UTILITY NOTE

UTILITIES SHOWN HEREON ARE BASED ON SURFACE OBSERVATIONS AND STANDARD ELECTROMAGNETIC LOCATING (EML) METHODS. A DILIGENT EFFORT WAS MADE TO FIND AND MAP ANY AND ALL UNDERGROUND UTILITIES. HOWEVER, DUE TO TECHNICAL REASONS, NO GUARANTEE, EXPRESSED OR IMPLIED, CAN BE MADE. CONTRACTOR SHALL USE APPROPRIATE MEANS TO PERFORM THEIR WORK WITHOUT DAMAGE TO EXISTING UTILITIES.

NOTE

SEE SHEET C4.2 FOR DOMESTIC WATER AND FIRE SUPPRESSION IMPROVEMENTS
SEE DETAIL 1, SHEET C5.2 FOR UTILITY TRENCHING REQUIREMENTS



NORTH

SCALE: 1" = 20'



BID SET

NOT FOR CONSTRUCTION

DSA: 01-120466 / File: 43-7



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831-438-4420

Engineer Seal



Architect Seal

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NEW MODULAR GYMNASIUM & SITE WORK INCREMENT 1

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SAN JOSE, CA 95132

No

Revisions/Submissions

Date

DSA Submittal V1

10/06/2022

Addendum #2

11/23/2022

Drawing Title

DOMESTIC WATER & FIRE SUPPRESSION PLAN

Project No.

Date

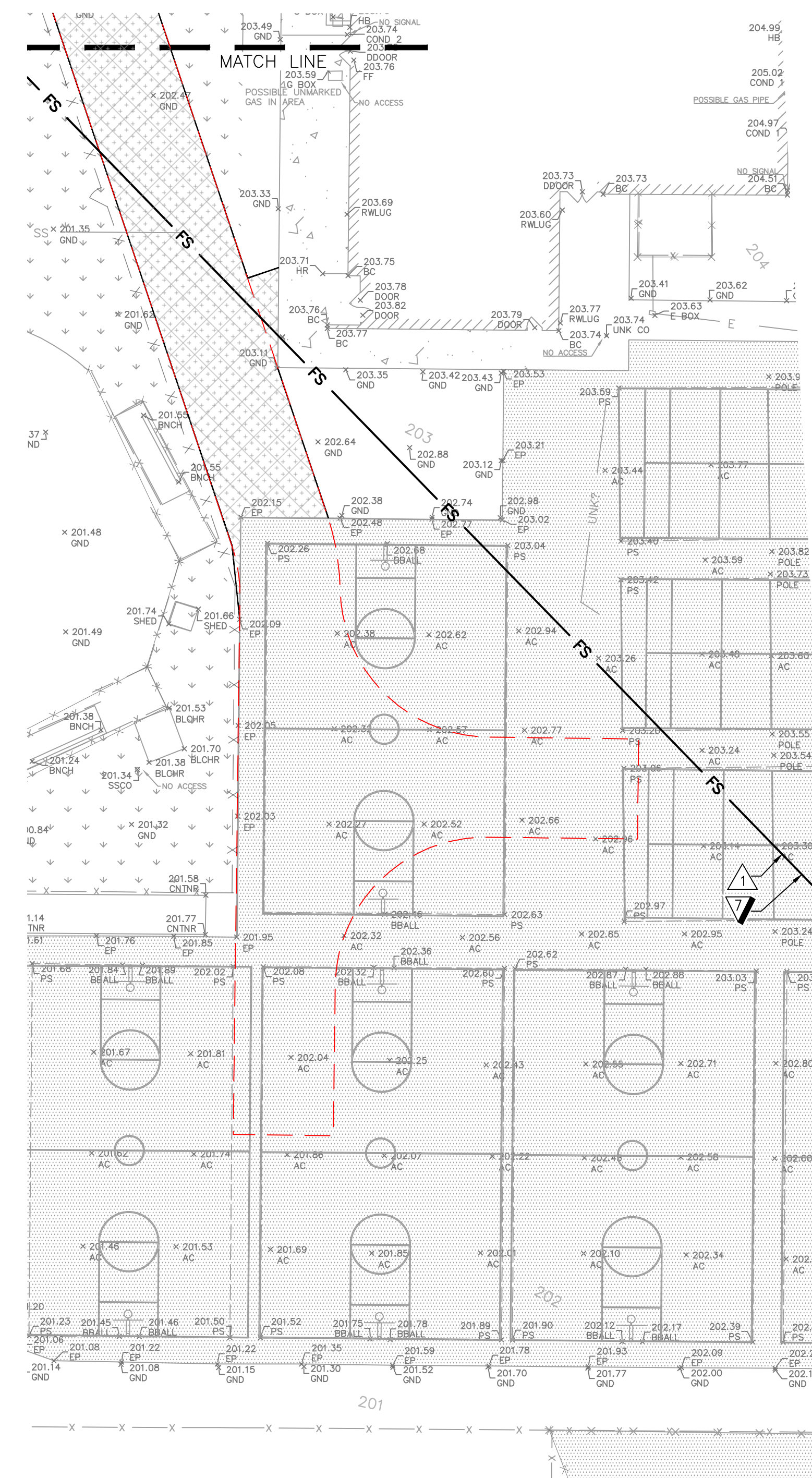
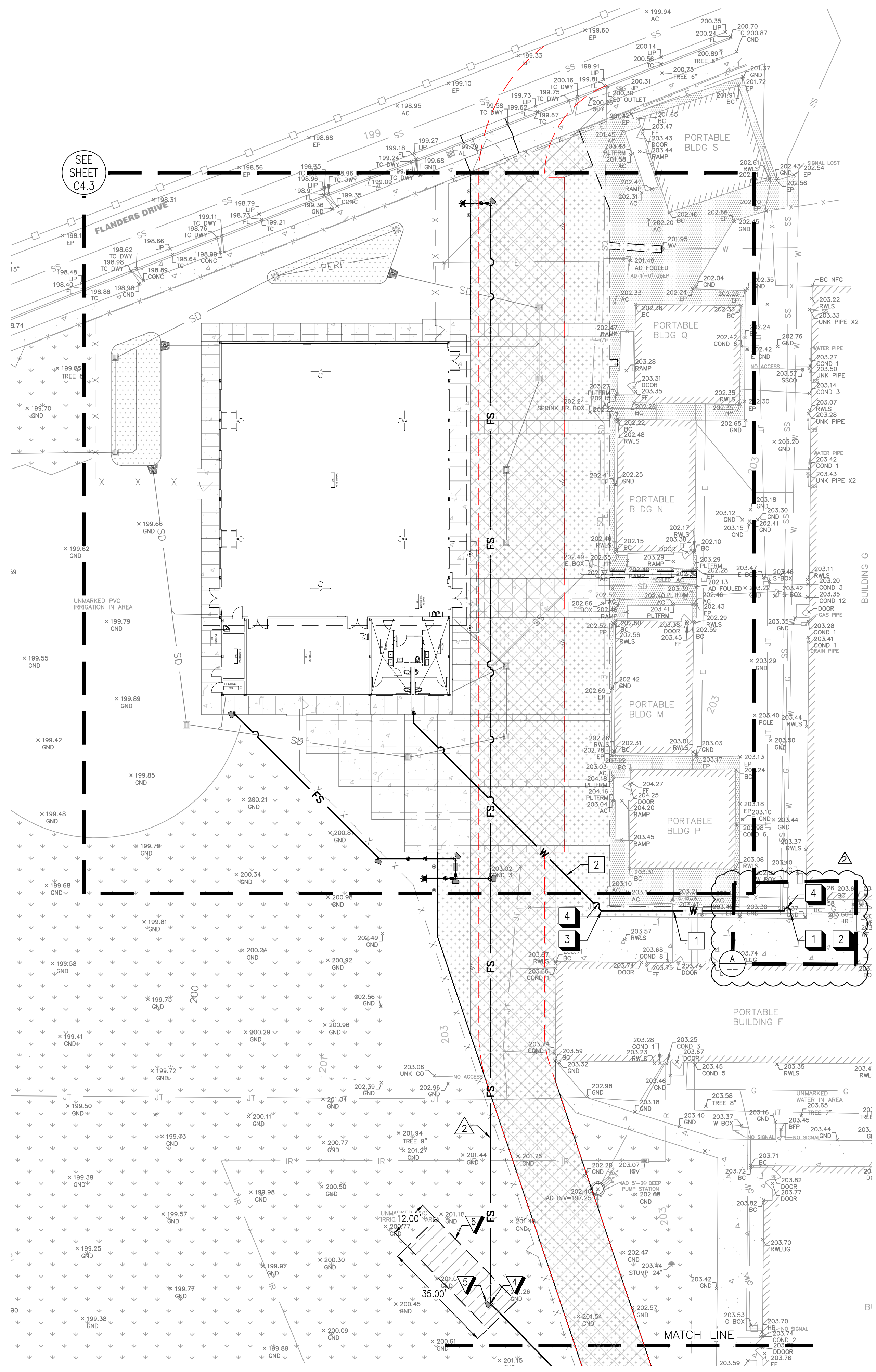
2106

September 12, 2022

CD

Drawing Number

AD2-C4.2



LEGEND

- FIRE HYDRANT (SEE DETAIL 5, SHEET C5.3)
- FIRE DEPARTMENT CONNECTION (FDC) (SEE DETAIL 2, SHEET C5.3)
- POST INDICATOR VALVE (PIV) (SEE DETAIL 3, SHEET C5.3)
- GATE VALVE INSIDE H2O LOADING TRAFFIC RATED BOX
- STORM DRAIN DROP INLET
- THRUST BLOCK (SEE DETAILS 7, SHEET C5.3)

DOMESTIC WATER NOTES

- P.O.C. TO EXISTING WATER MAIN. CONTRACTOR SHALL POT HOLE TO VERIFY EXACT LOCATION, DEPTH, SIZE, AND MATERIAL PRIOR TO THE START OF CONSTRUCTION
- CUT IN 4X4 TEE
- 45° ELBOW
- UTILITY CROSSING

DOMESTIC WATER PIPE

- 58 LF OF 2" PE TUBING
- 81 LF OF 2" PE TUBING

UTILITY NOTE

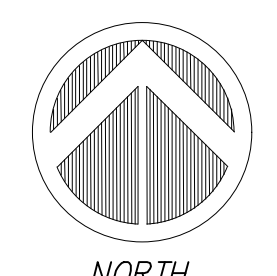
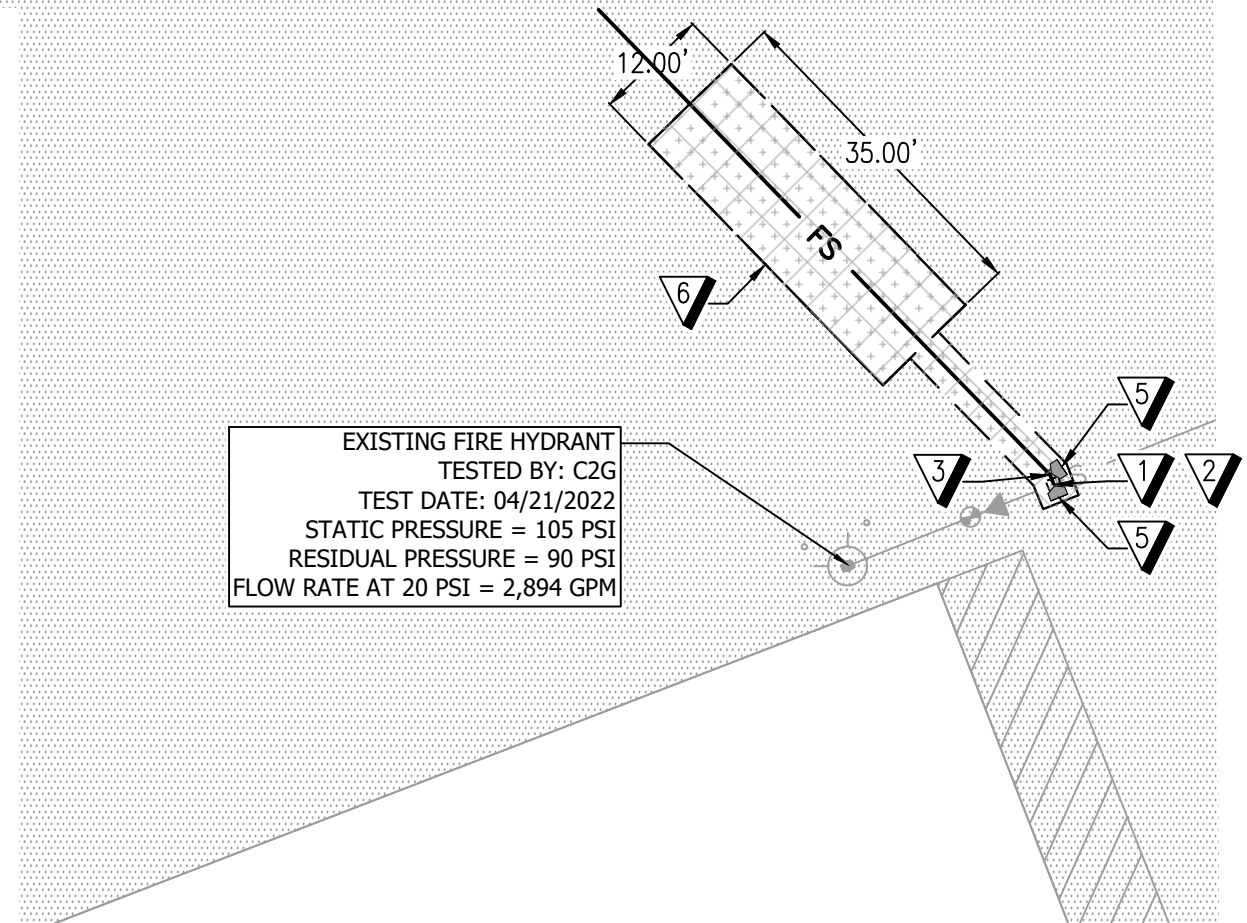
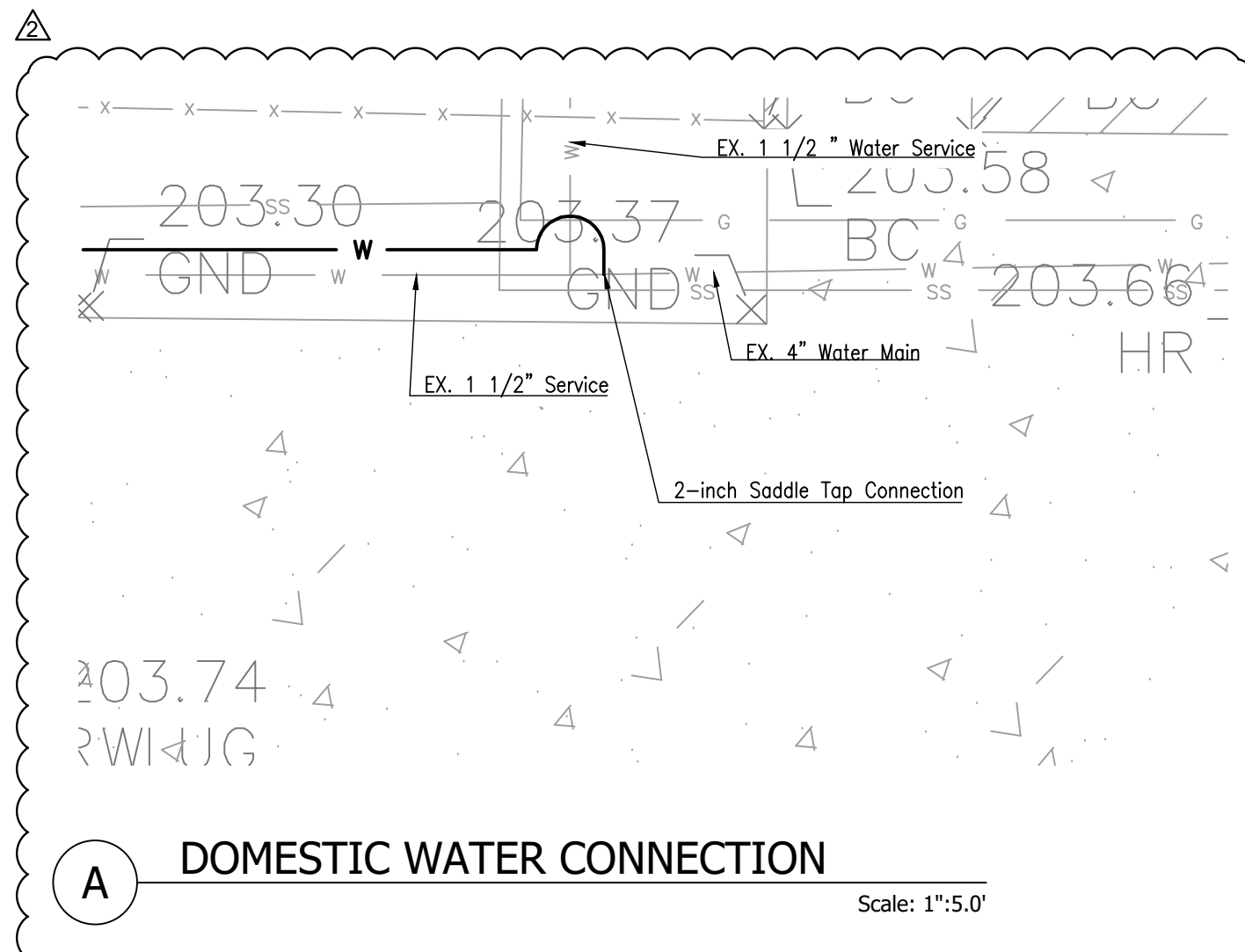
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- REFER TO DETAIL 1 ON SHEET C5.3 FOR TRENCHING REQUIREMENTS

FIRE SUPPRESSION NOTES

- P.O.C. TO EXISTING FIRE SUPPRESSION MAIN. CONTRACTOR SHALL POT HOLE TO VERIFY EXACT LOCATION, DEPTH, SIZE, AND MATERIAL PRIOR TO THE START OF CONSTRUCTION
- 8X8 CUT-IN TEE
- 22.5° ELBOW
- 45° ELBOW
- THRUST BLOCK (SEE DETAIL 7, SHEET C5.3)
- DIRECTIONAL BORING PIT. CONTRACTOR SHALL VERIFY EXACT PIT SIZE REQUIRE PRIOR TO THE START OF CONSTRUCTION
- PIPE SHALL BE INSTALLED DIRECTIONAL BORING METHOD

FIRE SUPPRESSION PIPE

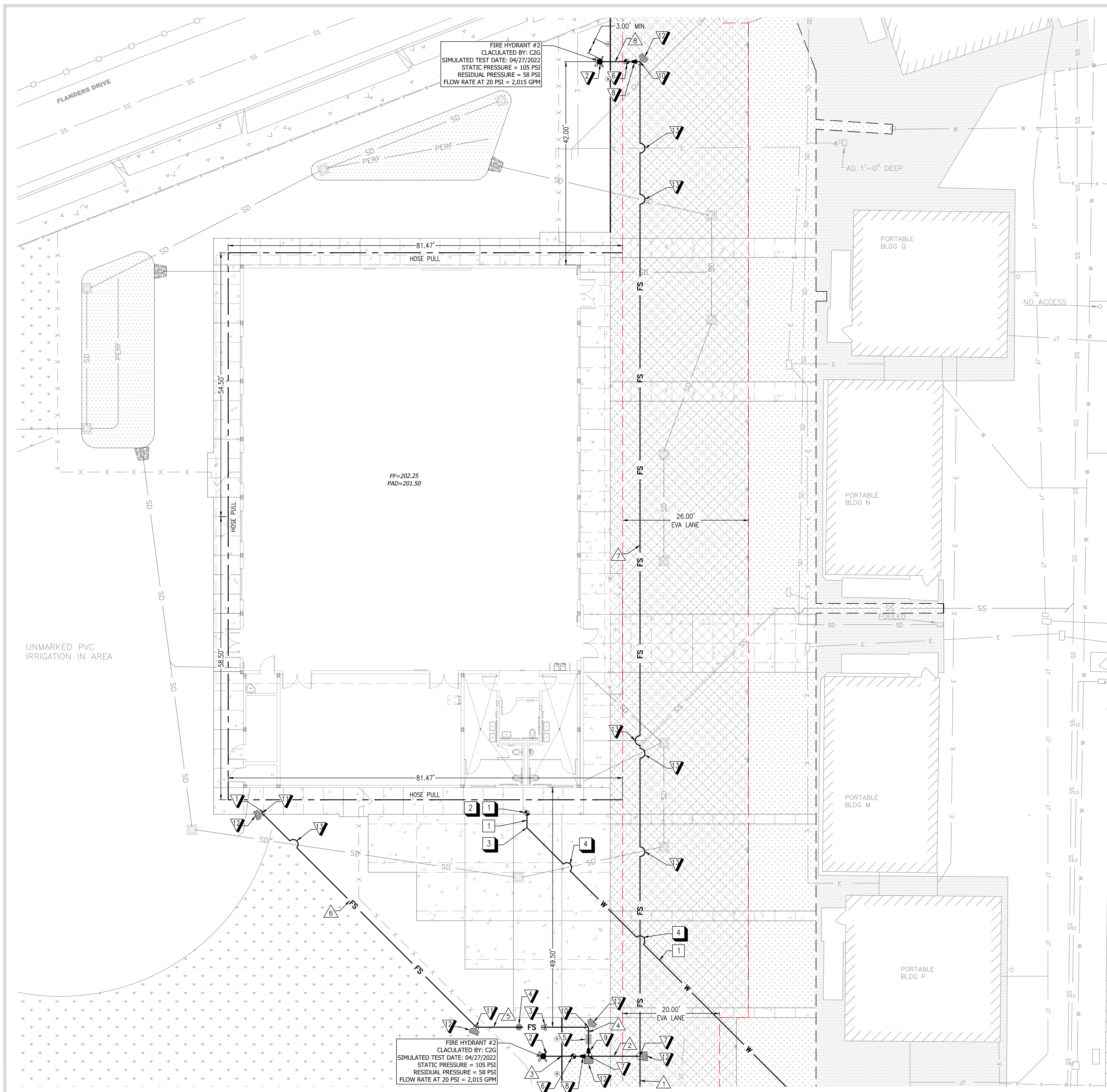
- 485 LF OF 8" C900 DR-14 (CERTA-LOK OR HDPE)
- 130 LF OF 8" PVC C900 DR14



NORTH

SCALE: 1"=20'





PRIVATE HYDRANTS, SPRINKLERS, AND UNDERGROUND PIPING NOTES

- Prior to installation, all plans and specifications shall be approved by DSA. Refer to DSA IR A-25 for design, installation and maintenance general requirements.
- Inspections are required: 1) prior to pouring thrust blocks. 2) for hydrostatic testing, and 3) for flush.
- Installation, inspection, and testing shall conform to 2019 editions CFC, NFPA 13, and NFPA 24.
- Private fire hydrants shall be approved wet barrel style with a minimum of one 2 1/2" and one 4" outlet. The 4" outlet shall face the fire department access road. All outlets shall be provided with National Standard Threads (NST). NFPA 24, 7.1.1.2.
- Fire hydrant supply piping shall be a minimum of six inches in diameter. The center of the hose outlet shall be not less than 18" above final grade or, where located in a hose house, 12" above the floor. NFPA 24, 7.1.1 & 7.3.3.
- Fire hydrants shall be a minimum of 40 feet from all structures. NFPA 24, 7.2.3.
- A keyed gate valve shall be provided for each hydrant in an accessible location. Valves shall not be located in parking stalls. NFPA 24, 7.1.1.1.
- All piping shall be listed for use in fire protection service and comply with AWWA Standards (Class 150 minimum) Class 200 pipe shall be used where the pressure may exceed 150 psi. NFPA 24, 10.1.1.
- All bolted joints shall be cleaned and thoroughly coated with asphalt or other corrosion retarding material after installation. NFPA 24, 10.4.1.1.
- Backfill shall be well tamped layers to consist of 6" minimum bed of clean fill sand or pea gravel below and 12" above the pipe (total 18" minimum). NFPA 24, 10.9.1.
- Fittings shall be of an approved type. NFPA 24, 10.2.1.
- A minimum of 30" of cover, from finish grade to the top of the pipe, shall be provided. When surface loads are expected, a minimum of 36" cover shall be provided. NFPA 24, 10.4.2.2 & 3.
- Thrust blocks, or other approved method of thrust restraint, shall be provided wherever pipe changes direction. Back-fill between the joints to prevent movement of the pipe. Provide details and calculations for sizing thrust blocks base on actual soil conditions. NFPA 24, 10.6.
- A hydrostatic test (200 psi for two hours or 50 psi over maximum static pressure, whichever is greater) shall be performed. NFPA 24, 10.10.2.1.
- The system shall be thoroughly flushed before connection is made to overhead piping. Flow shall be through a minimum of 4" hose of pipe. NFPA 24, 10.10.2.1.
- All control valves shall be locked in the open position. Valves shall be monitored if they serve 6 or more sprinkler heads. CBC/CFC 903.4.
- All control valves shall be listed indicating type unless a non-indicating valve, such as an underground gate valve with approved roadway box complete with T-wrench, is acceptable to Authority Having Jurisdiction (AHJ). NFPA 24, 6.1.1.
- Post indicating valves (PIV) shall be tested to insure that the "targets" (OPEN, CLOSED) are clearly identified when valve is opened and closed. NFPA 24, 10.10.1 & 14.1.
- Tests shall be made by the installing contractor in the presence of the (AHJ). Provide a completed Contractor's Material and Test Certificate for Underground Piping to DSA. NFPA 24, 10.10.1 & 14.1, CFC 901.5 & 6.

LEGEND

- FIRE HYDRANT (SEE DETAIL 5, SHEET C5.3)
- FIRE DEPARTMENT CONNECTION (FDC) (SEE DETAIL 2, SHEET C5.3)
- POST INDICATOR VALVE (PIV) (SEE DETAIL 3, SHEET C5.3)
- GATE VALVE INSIDE H2O LOADING TRAFFIC RATED BOX
- STORM DRAIN DROP INLET
- THRUST BLOCK (SEE DETAILS 7, SHEET C5.3)

UTILITY NOTE

- UTILITIES SHOWN HEREON ARE BASED ON SURFACE OBSERVATIONS AND STANDARD ELECTROMAGNETIC LOCATING (EML) METHODS. A DILIGENT EFFORT WAS MADE TO FIND AND MAP ANY AND ALL UNDERGROUND UTILITIES; HOWEVER, DUE TO TECHNICAL REASONS, NO GUARANTEE, EXPRESSED OR IMPLIED, CAN BE MADE. CONTRACTOR SHALL USE APPROPRIATE MEANS TO PERFORM THEIR WORK WITHOUT DAMAGE TO EXISTING UTILITIES.
- REFER TO DETAIL 1 ON SHEET C5.3 FOR TRENCHING REQUIREMENTS

DOMESTIC WATER NOTES

- P.O.C. TO BUILDINGS WATER SERVICE (SEE INC 2 PLUMBING PLANS FOR EXACT LOCATION AND DEPTH)
- GATE VALE
- 45° ELBOW
- UTILITY CROSSING

FIRE SUPPRESSION NOTES

- P.O.C. TO BUILDING FIRE SPRINKLER RISER (SEE INC 2 PLUMBING PLANS FOR CONTINUATION)
- FIRE HYDRANT - (SEE DETAIL 5, SHEET C5.3)
- FIRE DEPARTMENT CONNECTION (FDC) - (SEE DETAIL 2, SHEET C5.3)
- POST INDICATOR VALE (PIV) - (SEE DETAIL 3, SHEET C5.3)
- CHECK VALVE WITH UTILITY BOX- (SEE DETAIL 4, SHEET C5.3)
- GATE VALVE INSIDE H2O LOADING TRAFFIC RATED BOX
- 8X8 TEE
- 8X6 REDUCER
- 8X4 REDUCER
- 90° ELBOW
- 45° ELBOW
- THRUST BLOCK (SEE DETAIL 7, SHEET C5.3)
- UTILITY CROSSING. CONTRACTOR SHALL POTHOLE PRIOR TO THE START OF CONSTRUCTION TO VERIFY EXACT DEPTH AND SIZE OF UTILITY

DOMESTIC WATER PIPE

- 81 LF OF 2" PE Tubing
- 3 LF OF 2" PE Tubing

FIRE SUPPRESSION PIPE

- 130 LF OF 8" PVC C900 DR14
- 11 LF OF 8" PVC C900 DR14
- 10 LF OF 6" PVC C900 DR14
- 6 LF OF 4" PVC C900 DR14
- 24 LF OF 4" PVC C900 DR14
- 63 LF OF 4" PVC C900 DR14
- 206 LF OF 8" PVC C900 DR14
- 9 LF OF 6" PVC C900 DR14



BID SET
NOT FOR
CONSTRUCTION

DSA: 01-120466 / File: 43-7



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Engineer Seal



Architect Seal

Project Title

PIEDMONT MIDDLE SCHOOL
955 PIEDMONT ROAD
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NEW MODULAR GYMNASIUM & SITE WORK INCREMENT 1

Client

BERRYESSA UNION SCHOOL DISTRICT
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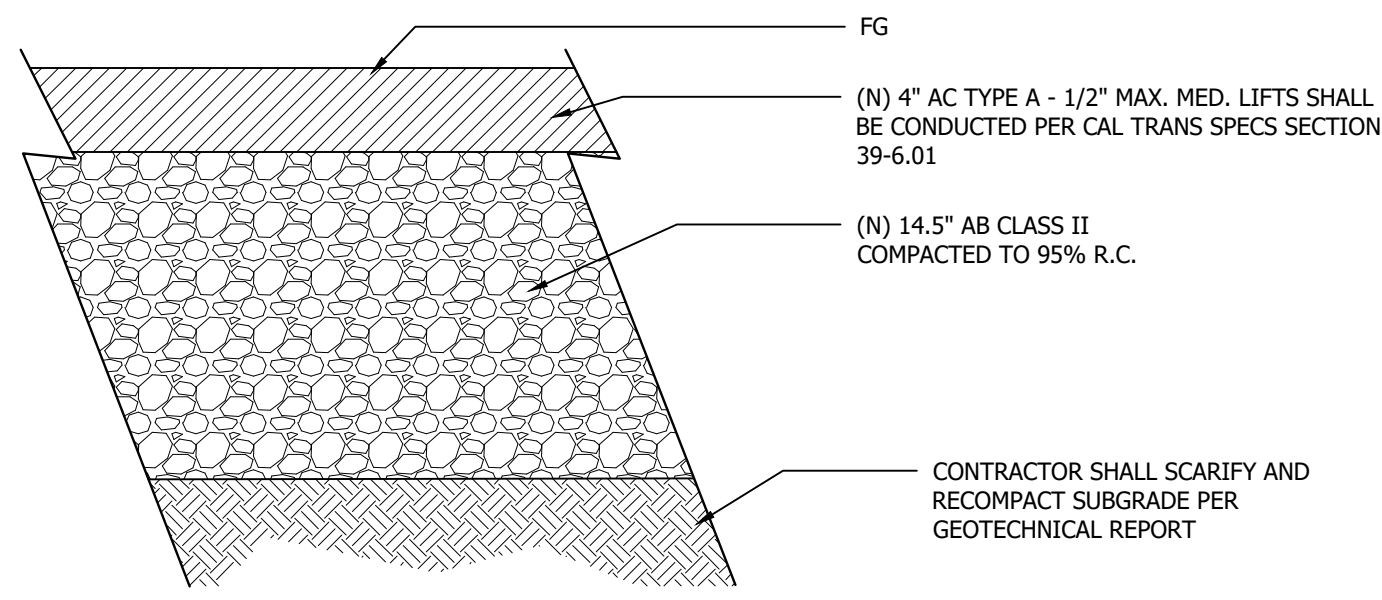
No	Revisions/Submissions	Date
1	DSA Submittal V1	10/06/2022
2	Addendum #2	11/23/2022

Drawing Title

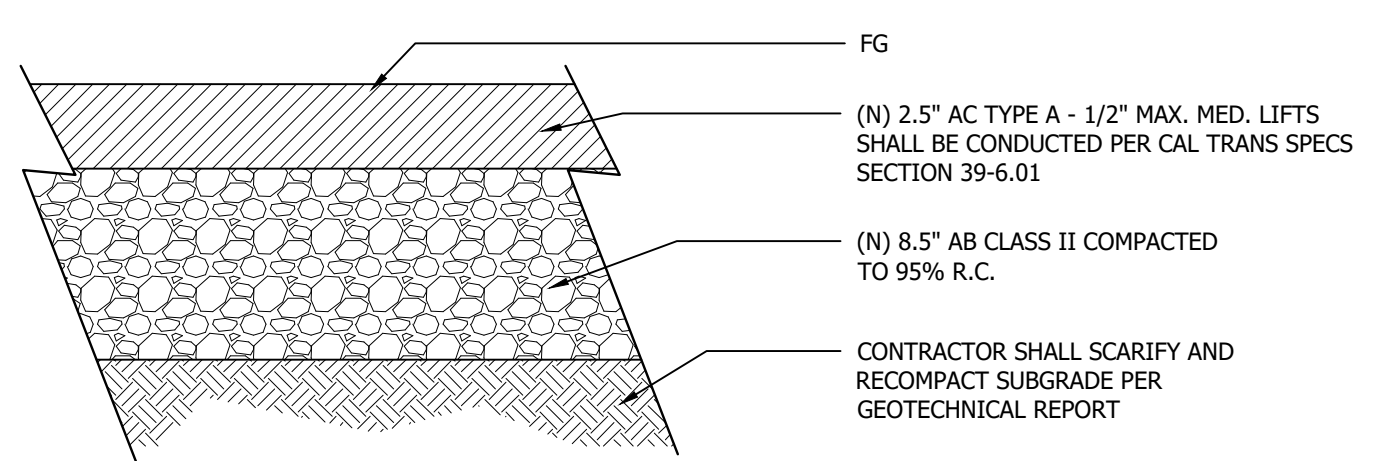
DOMESTIC WATER & FIRE SUPPRESSION PLAN

Project No. 2106 Date September 12, 2022

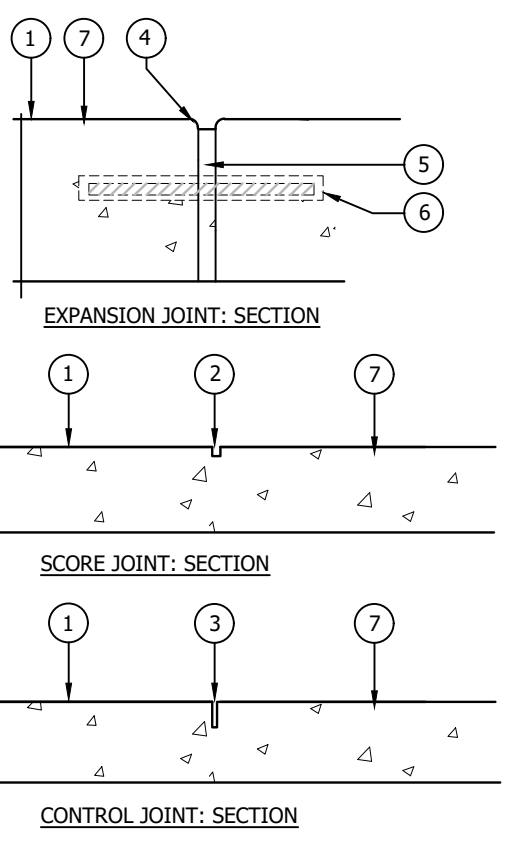
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CD AD2-C4.3



1 "HEAVY DUTY" VEHICULAR AC PAVEMENT SECTION
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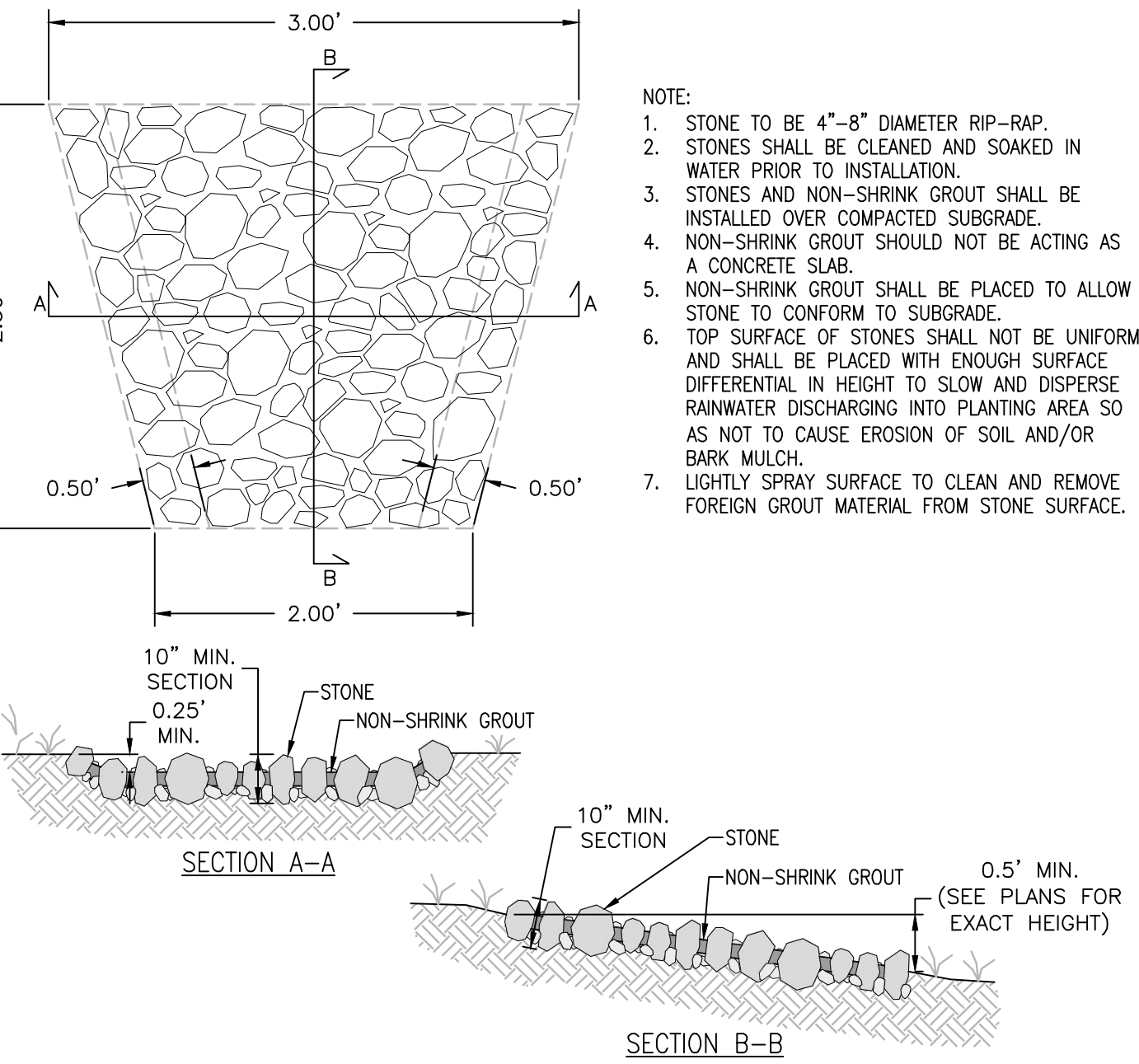


2 STANDARD AC PAVEMENT SECTION
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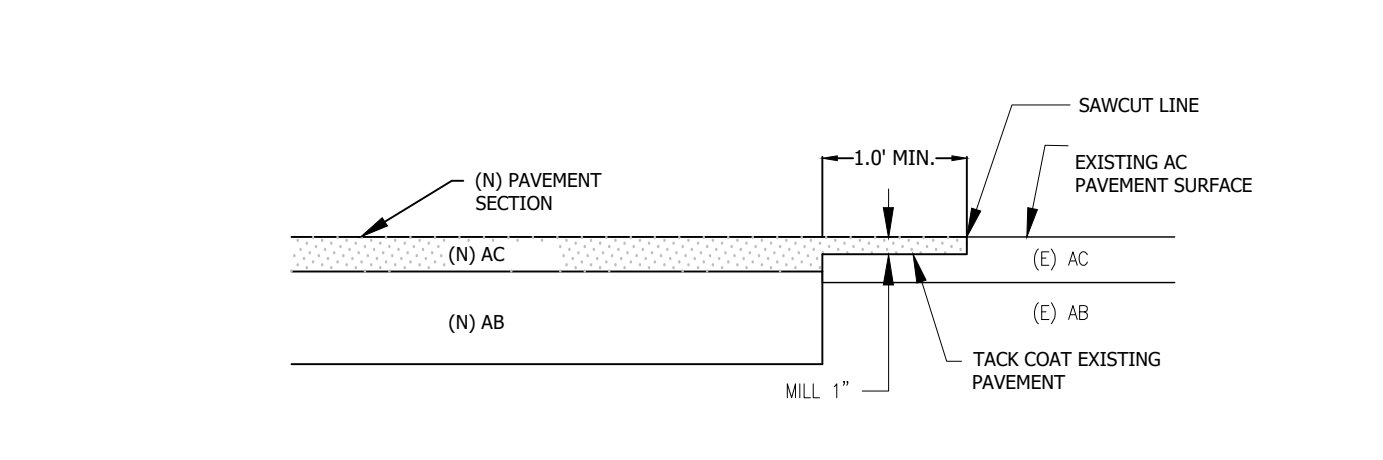


- LEGEND**
- FINISH SURFACE OF PAVING.
 - SCORE JOINT, TOOLED, 1/4" WIDE AND 3/8" DEEP LOCATE PER PLAN.
 - CONTROL JOINT, TOOLED, 1/4" WIDE; DEPTH TO EQUAL 1/3 OF SLAB THICKNESS. (INCLUDING WHERE SLABS THICKEN) LOCATE PER PLAN.
 - 1/2" TOOLED EDGE AT CONCRETE PAVING.
 - 1/2" THICK EXPANSION JOINT FILLER SHALL BE ASPHALT IMPREGNATED FELT. DEPTH TO MATCH SLAB THICKNESS.
 - DOWEL 1/2" SMOOTH REBAR X 12" LONG @ 18" O.C. AND 6" CLEAR FROM EDGE OF SLAB. SLIP ONE END. WHERE ABUTTING EXISTING CONCRETE, DRILL AND EPOXY DOWEL INTO EXISTING CONCRETE AND SLIP ONE END.
 - CONCRETE PAVING.
- NOTES**
- CONTROL JOINTS SHALL OCCUR WHERE SHOWN ON PLAN.
 - EXPANSION JOINTS SHALL BE LOCATED WHERE CONCRETE PAVING MEETS THE BACK OF CURBS, FACE OF BUILDING OR SITE WALLS, AND WHERE SHOWN ON PLAN.
 - AT A MAXIMUM CONTROL JOINTS SHALL BE PLACED 2- FEET IN EACH DIRECTION FOR EVERY 1-INCH OF CONCRETE THICKNESS

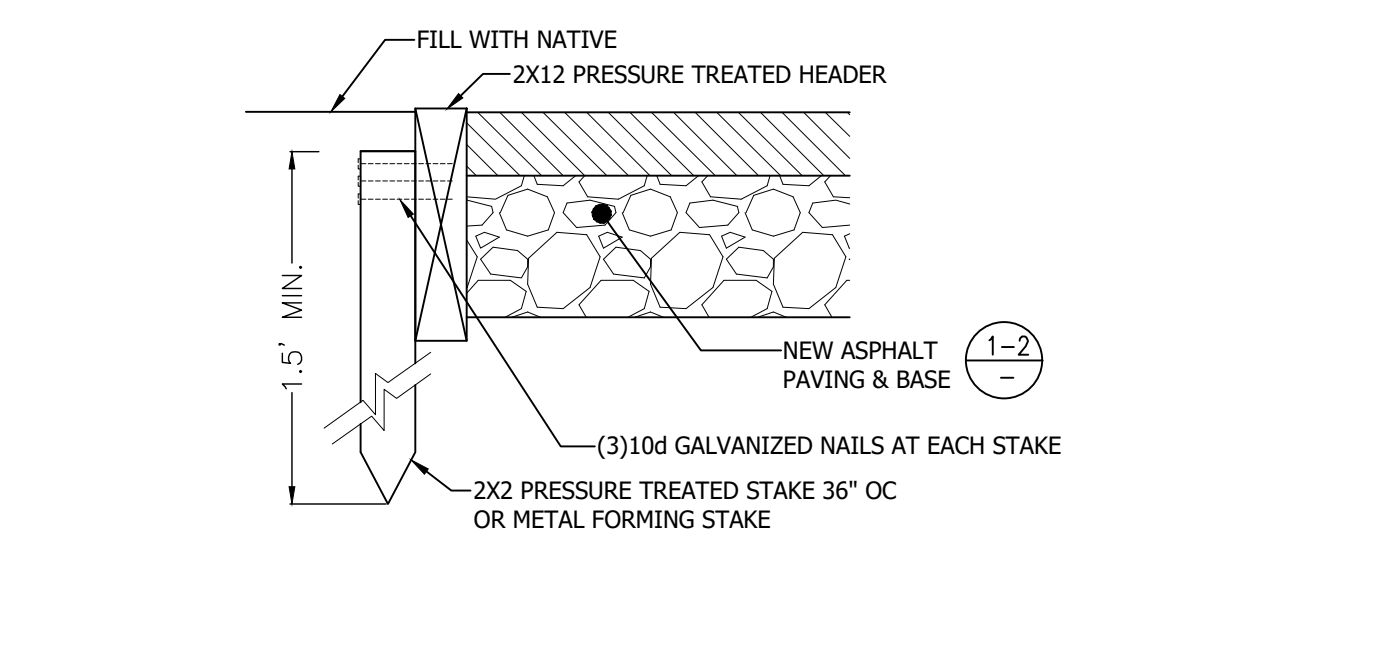
6 JOINTS AT CONCRETE PAVING
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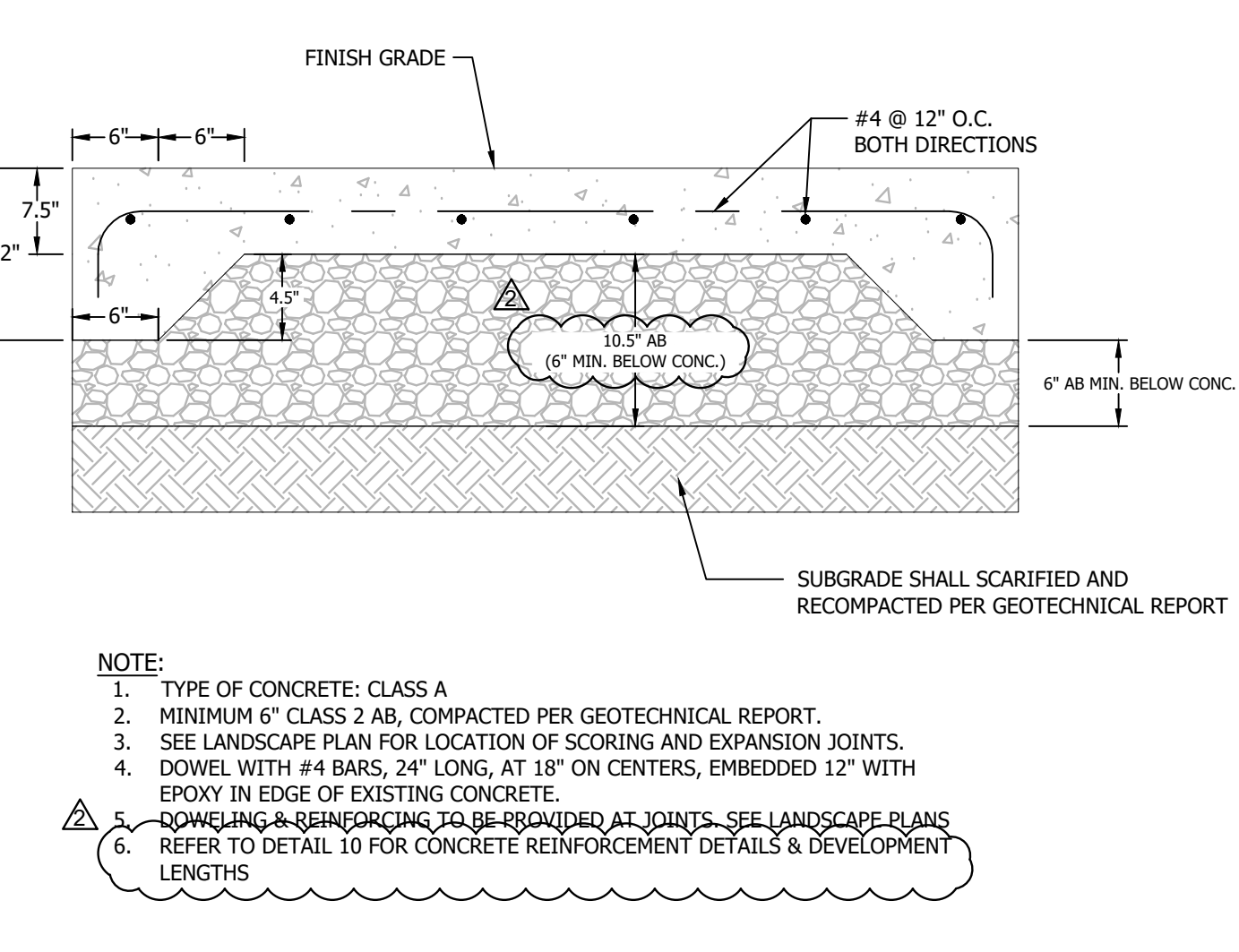
9 GROUTED RIP-RAP
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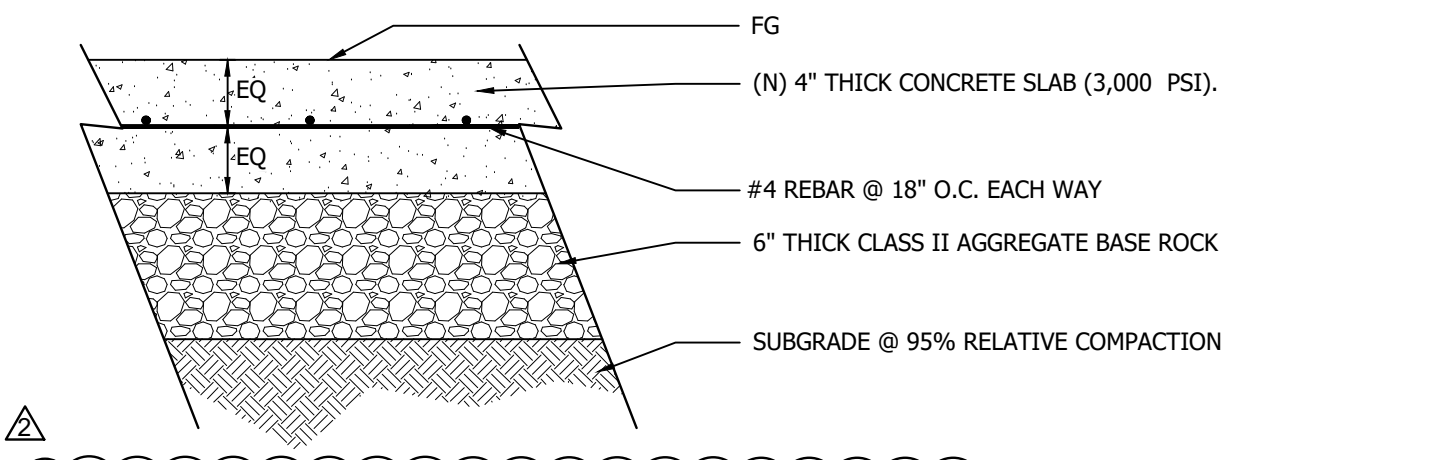
3 ASPHALT TIE-IN DETAIL
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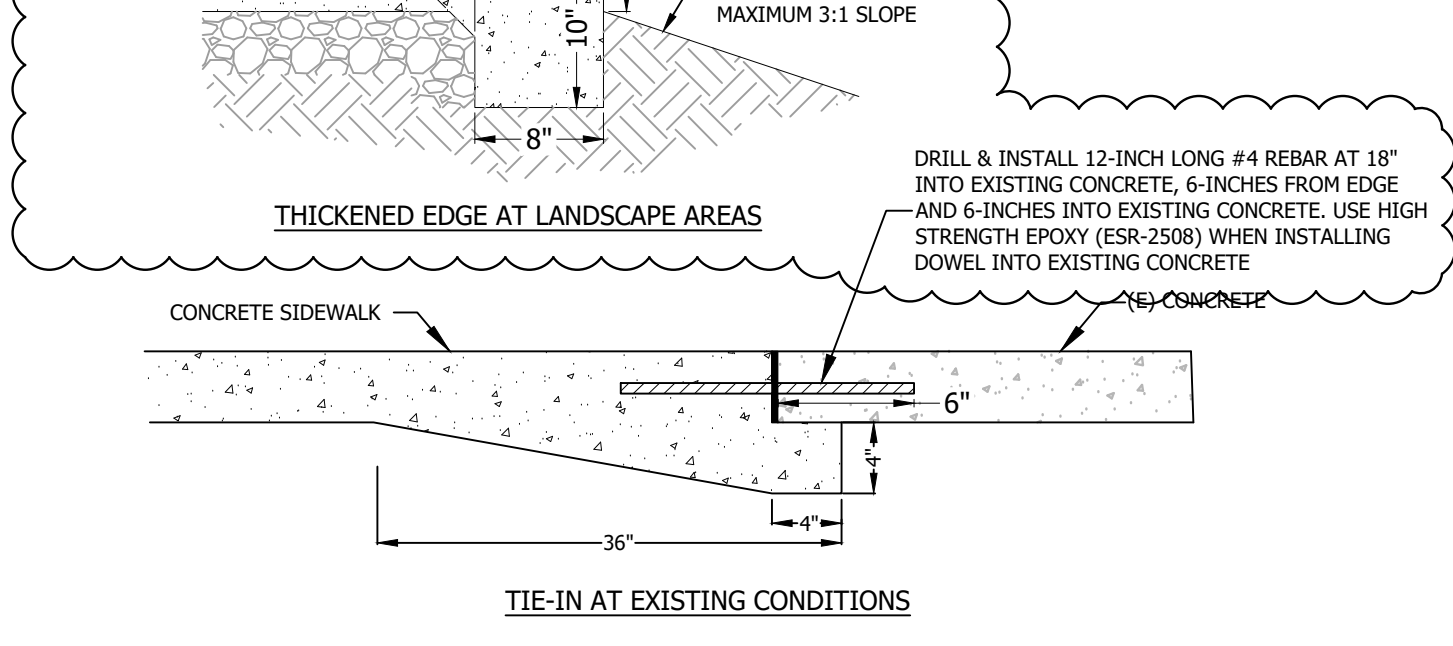
4 PRESSURE TREATED WOOD HEADER DETAIL
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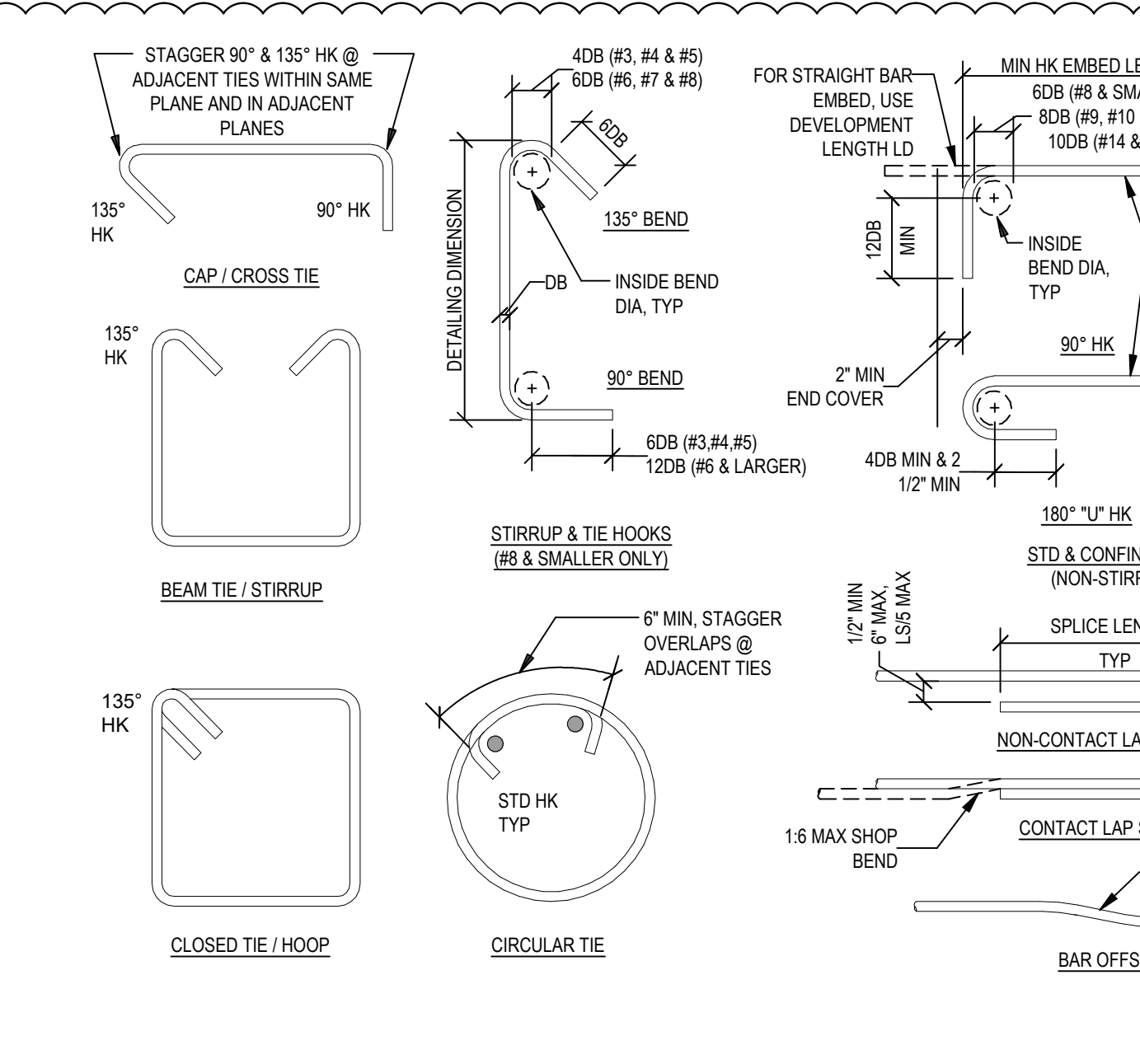
7 VEHICULAR CONCRETE
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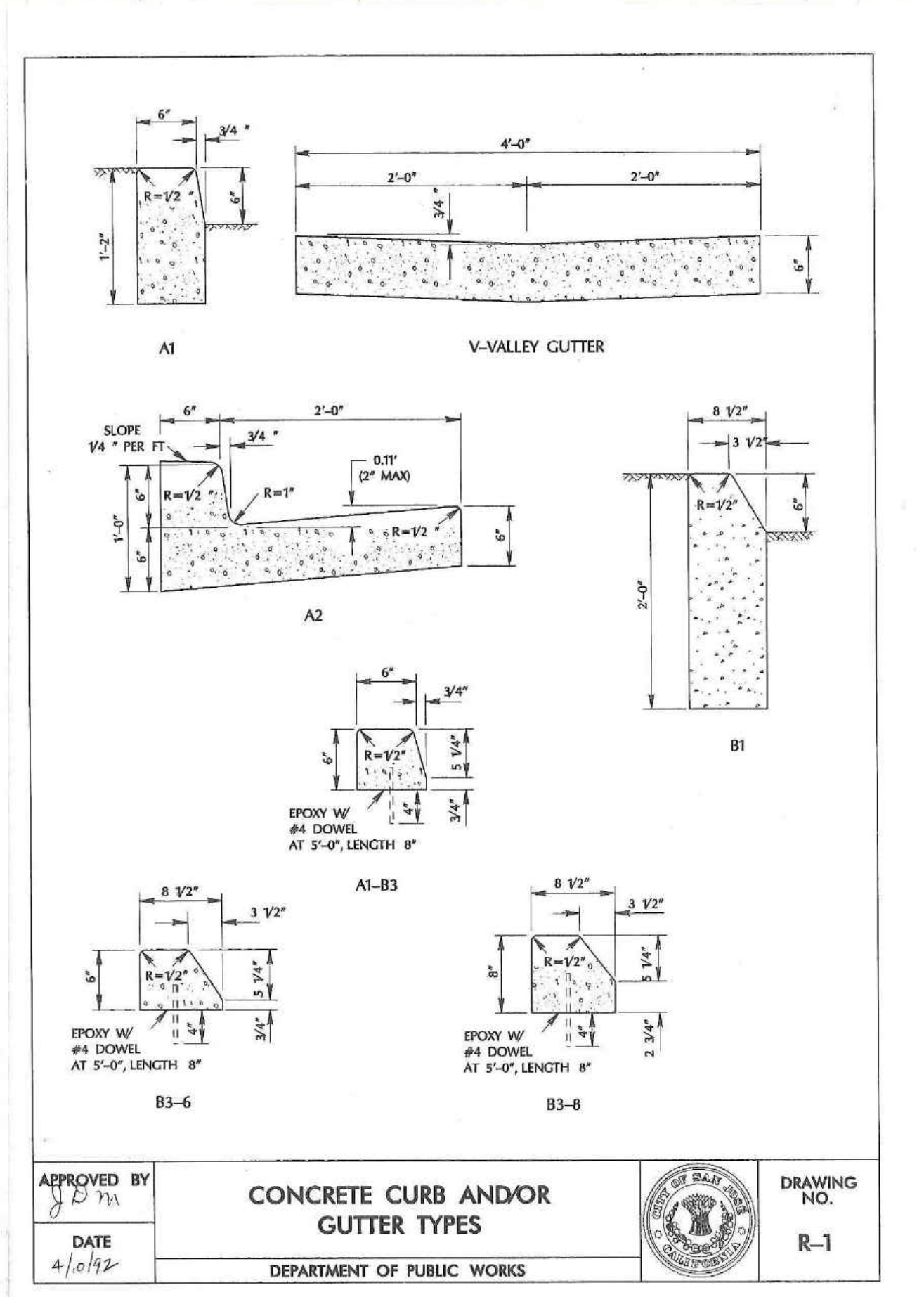
5 CONCRETE SIDEWALK SECTION
Scale: NTS



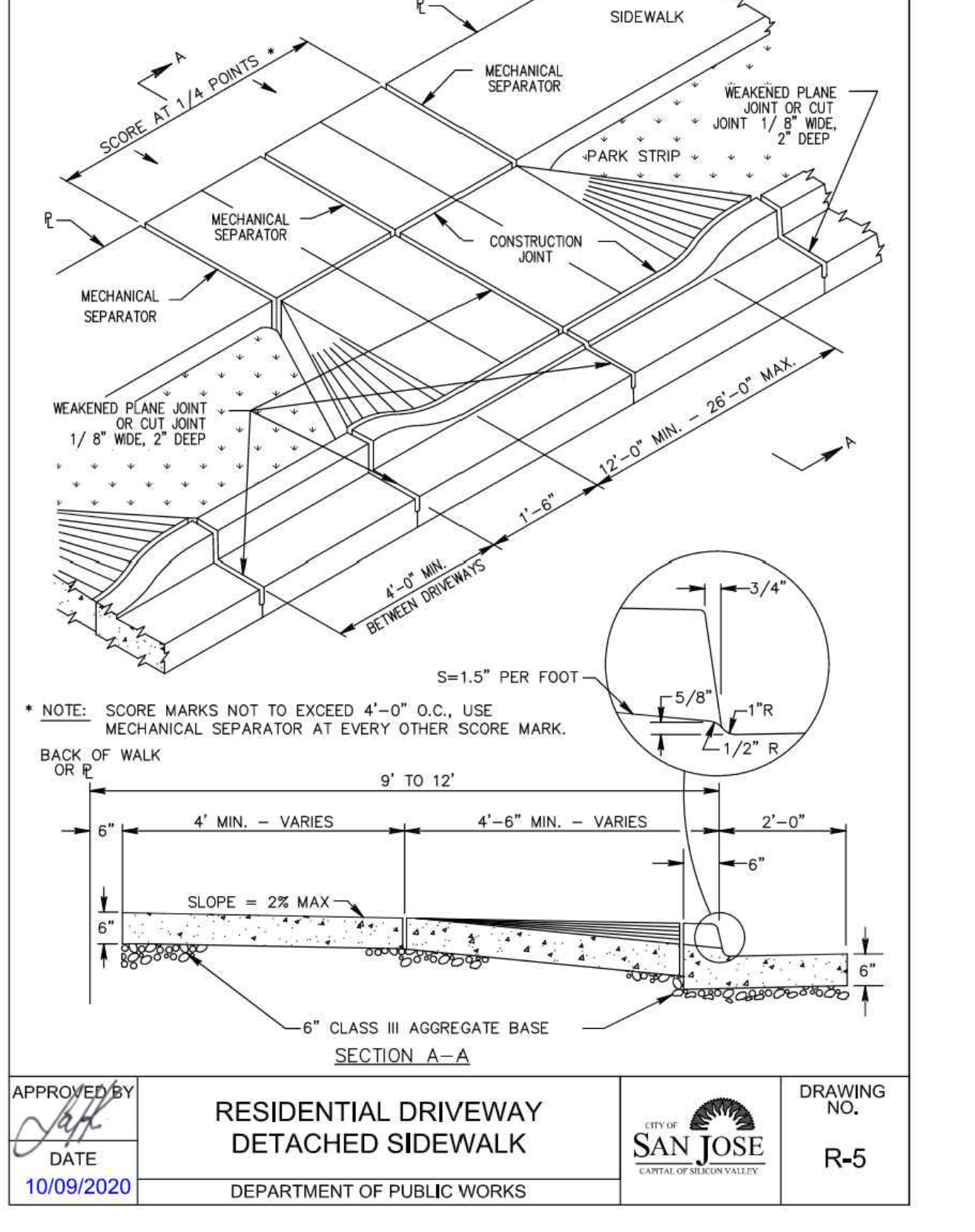
8 FIXED BOLLARD
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10 CONCRETE REINFORCEMENT DETAILS AND DEVELOPMENT LENGTHS
Scale: NTS



5 CONCRETE CURB AND/OR GUTTER TYPES
DEPARTMENT OF PUBLIC WORKS
DRAWING NO. R-1



8 RESIDENTIAL DRIVEWAY DETACHED SIDEWALK
DEPARTMENT OF PUBLIC WORKS
DRAWING NO. R-5

BID SET

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DSA:01-120466 / File: 43-7



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No	Revisions/Submissions	Date
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2	Addendum #2	11/23/2022

CONSTRUCTION DETAILS

Project No. 2106 Date September 12, 2022

Drawing Number
CD AD2-C5.1

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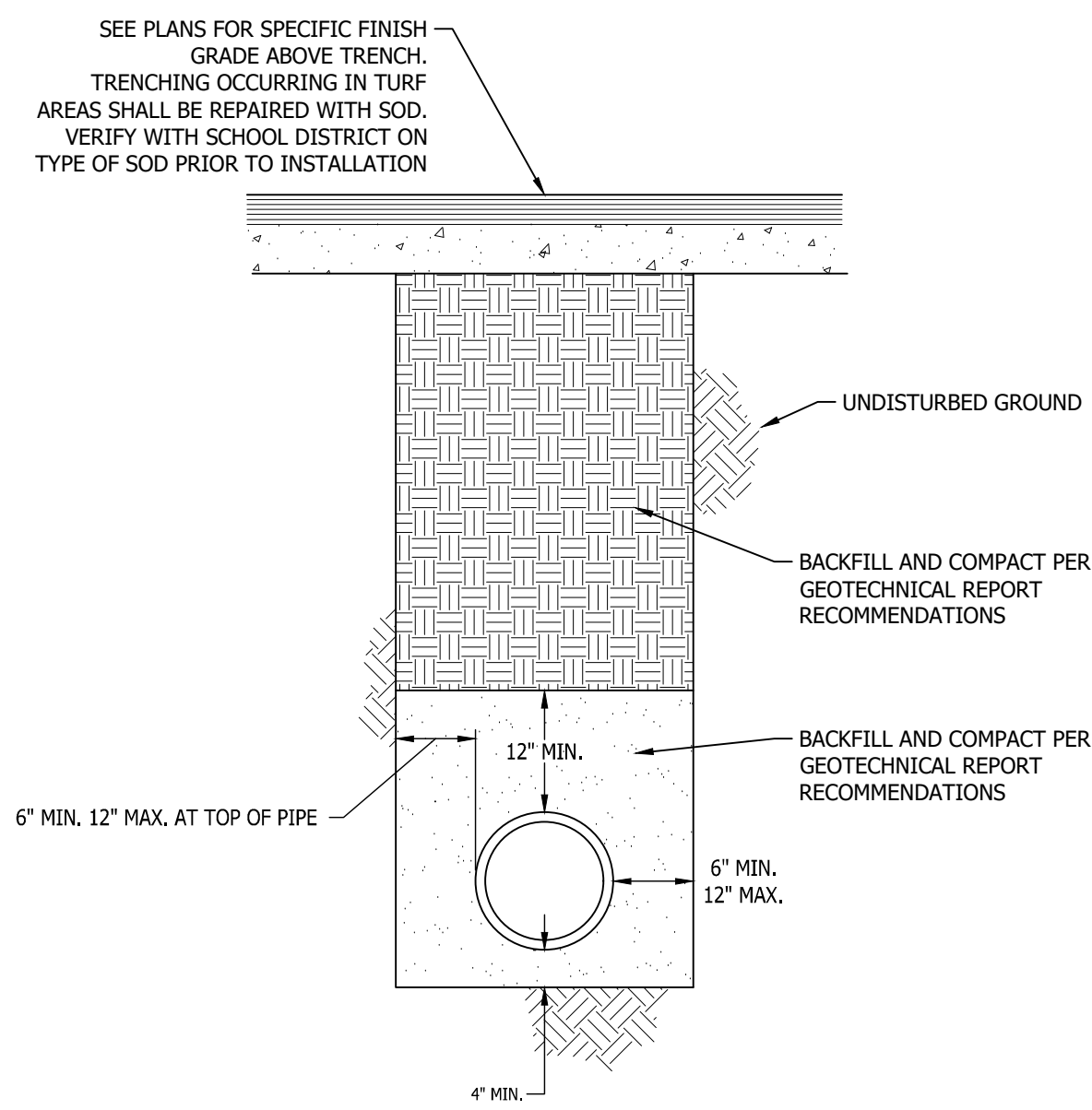
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Drawing Title

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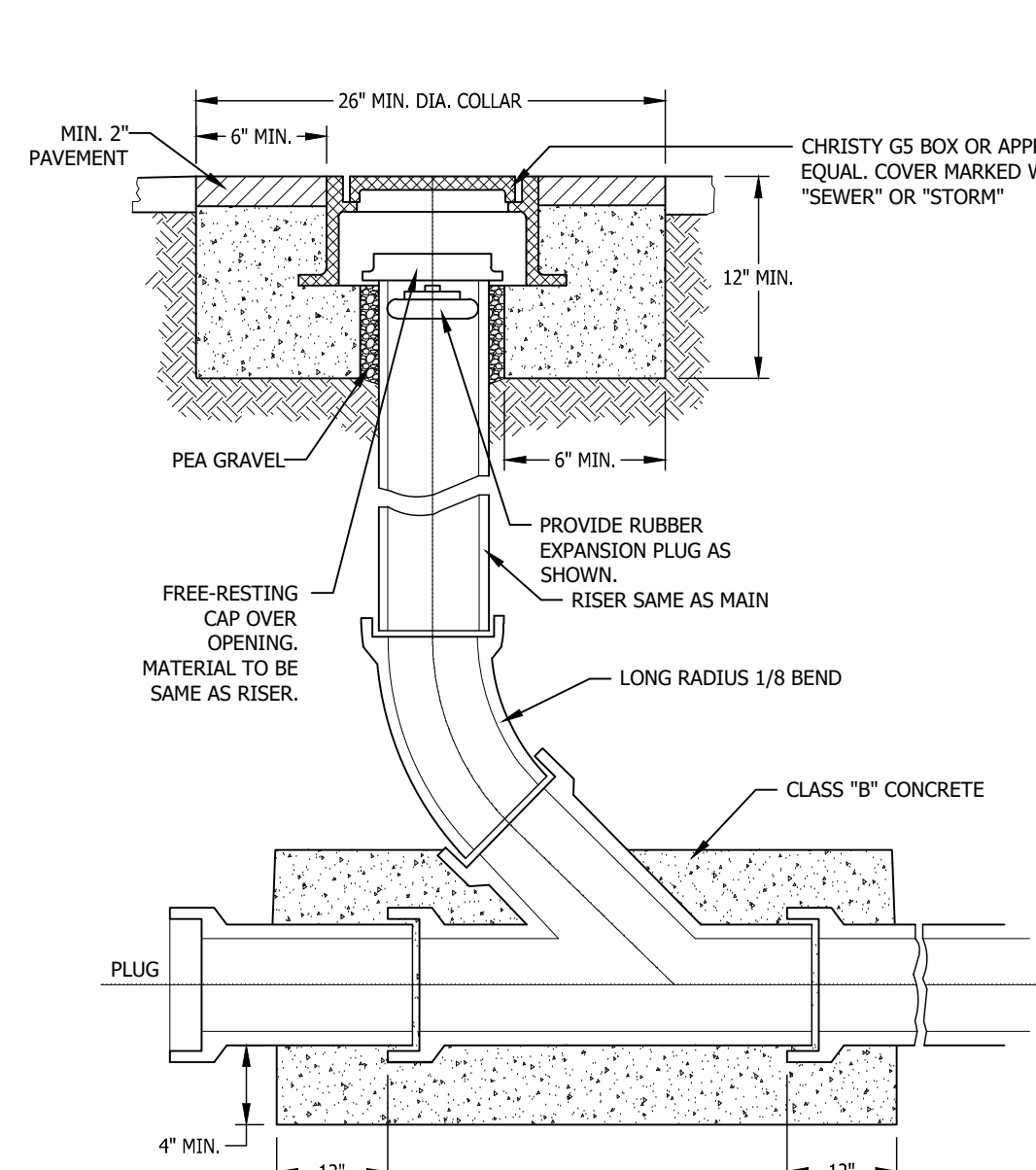
Project No. 2106 Date September 12, 2022

Drawing Number
CD AD2-C5.2



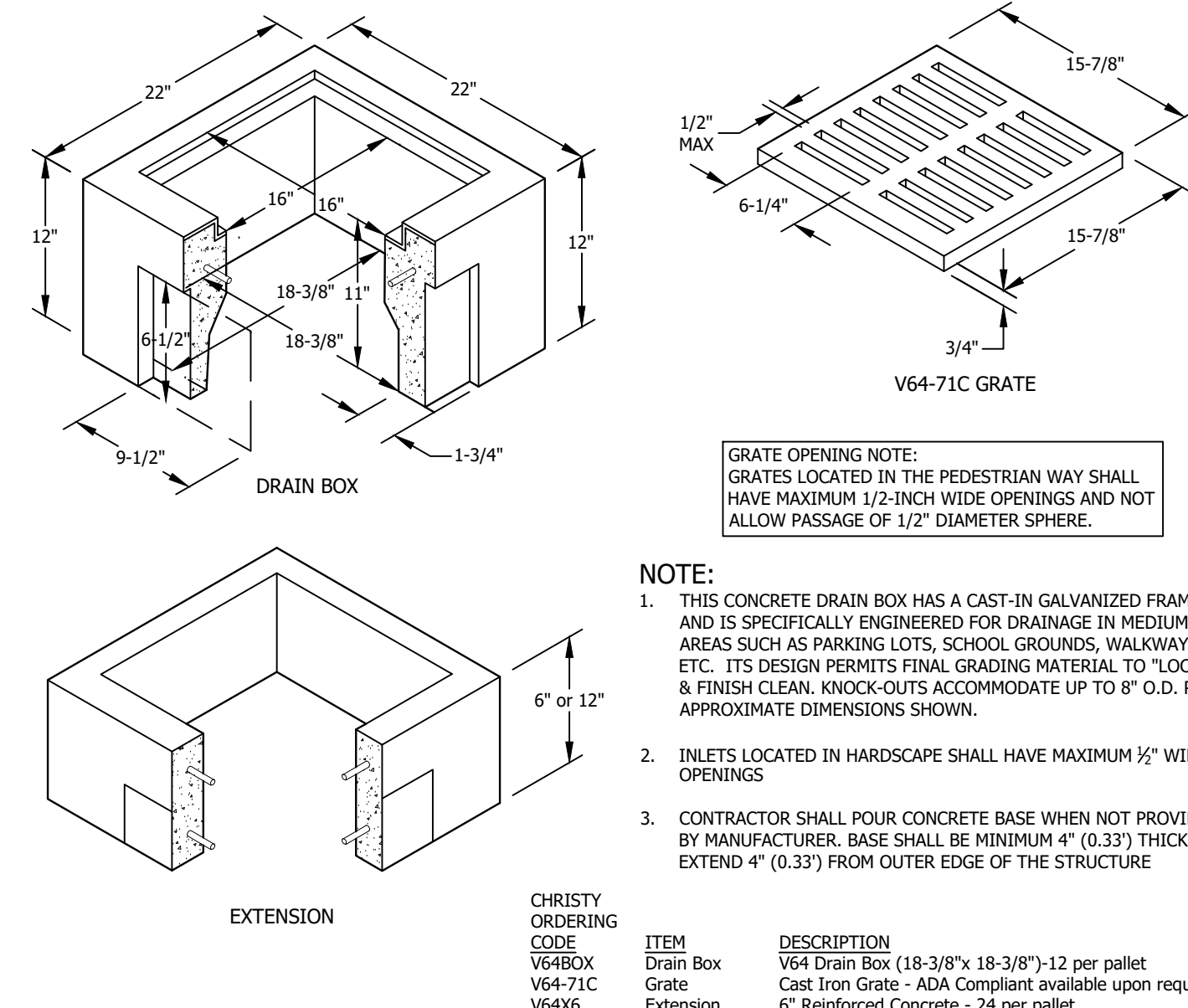
1 STANDARD TRENCH INSTALLATION

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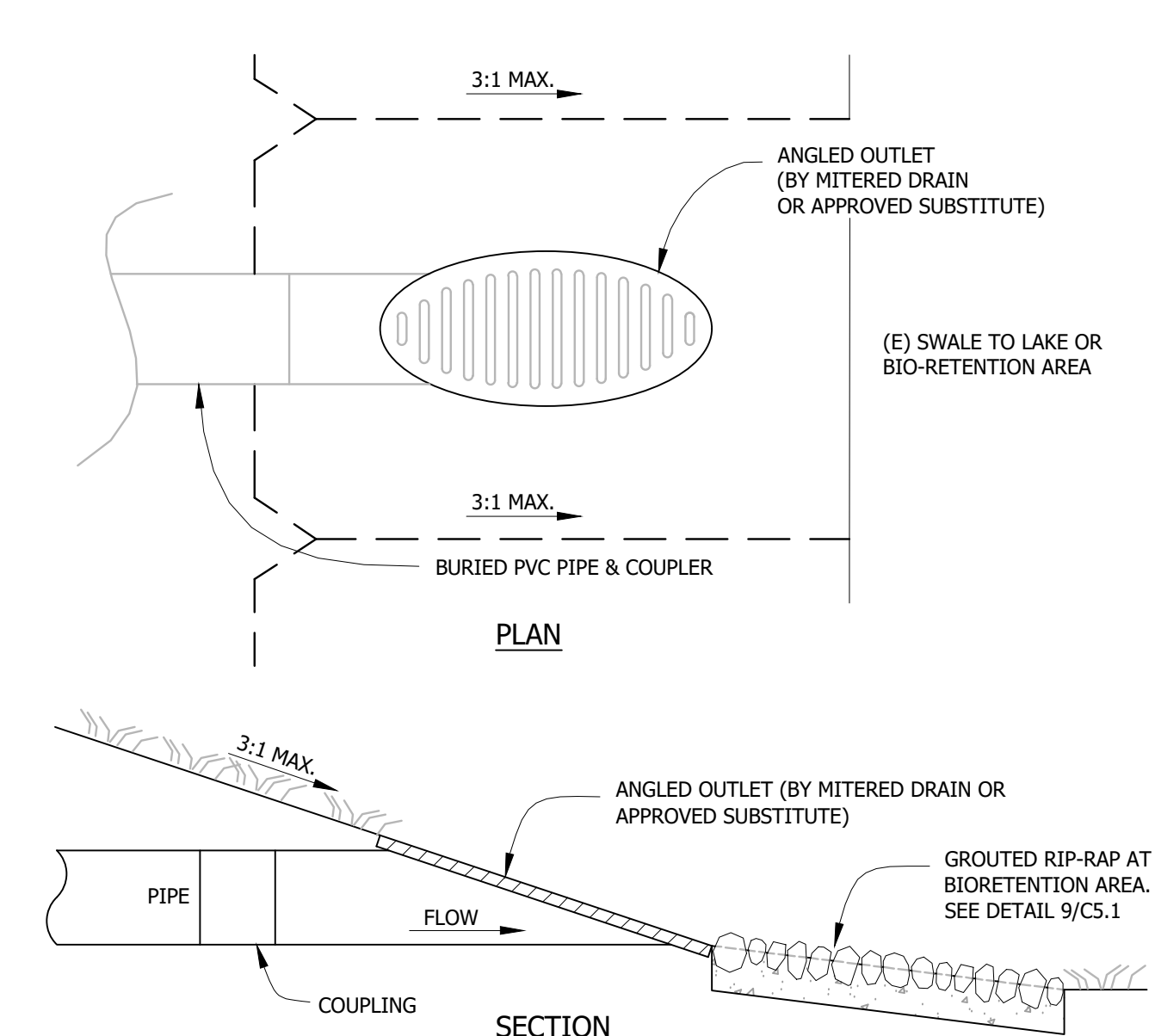
2 STORM DRAIN/SANITARY SEWER CLEANOUT

Scale: NTS



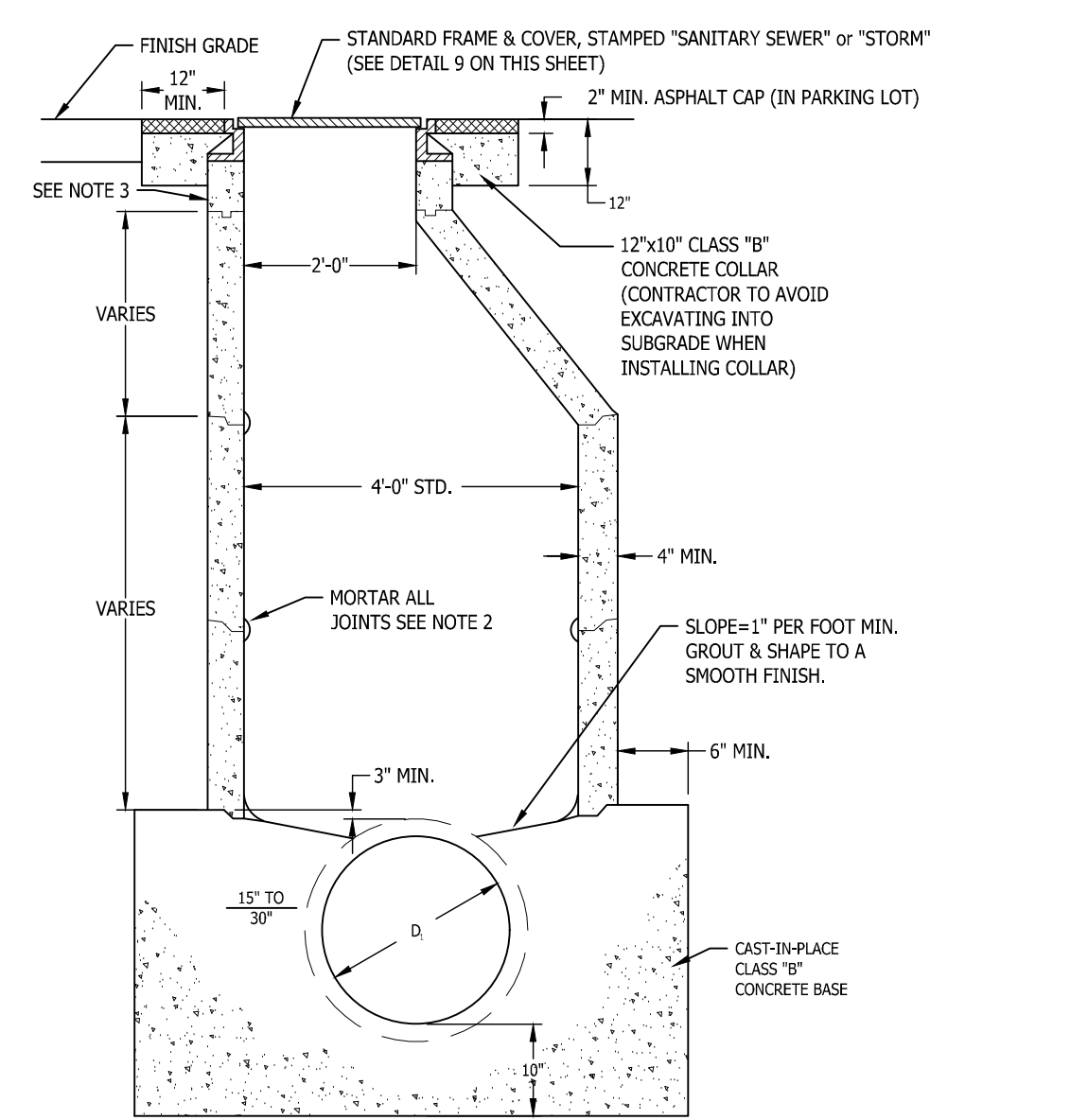
3 V64 CHRISTY BOX 22"x22" STORM DRAIN INLET

Scale: NTS



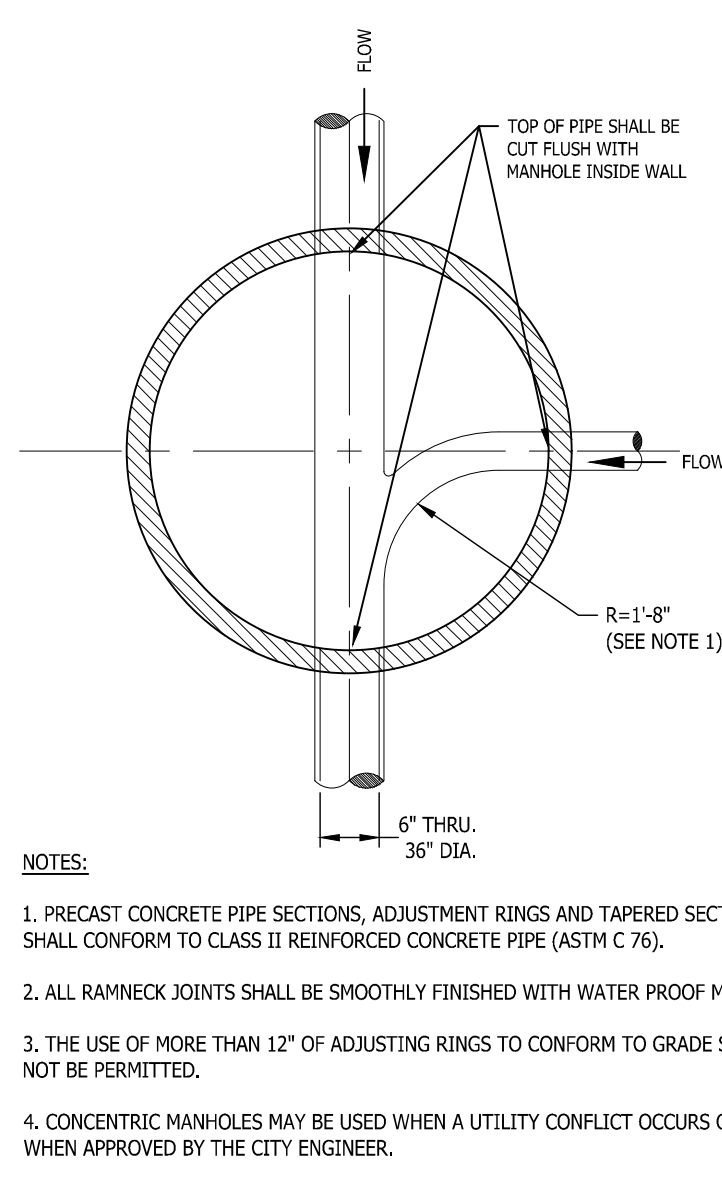
4 ANGLED STORM DRAIN OUTLET

Scale: NTS



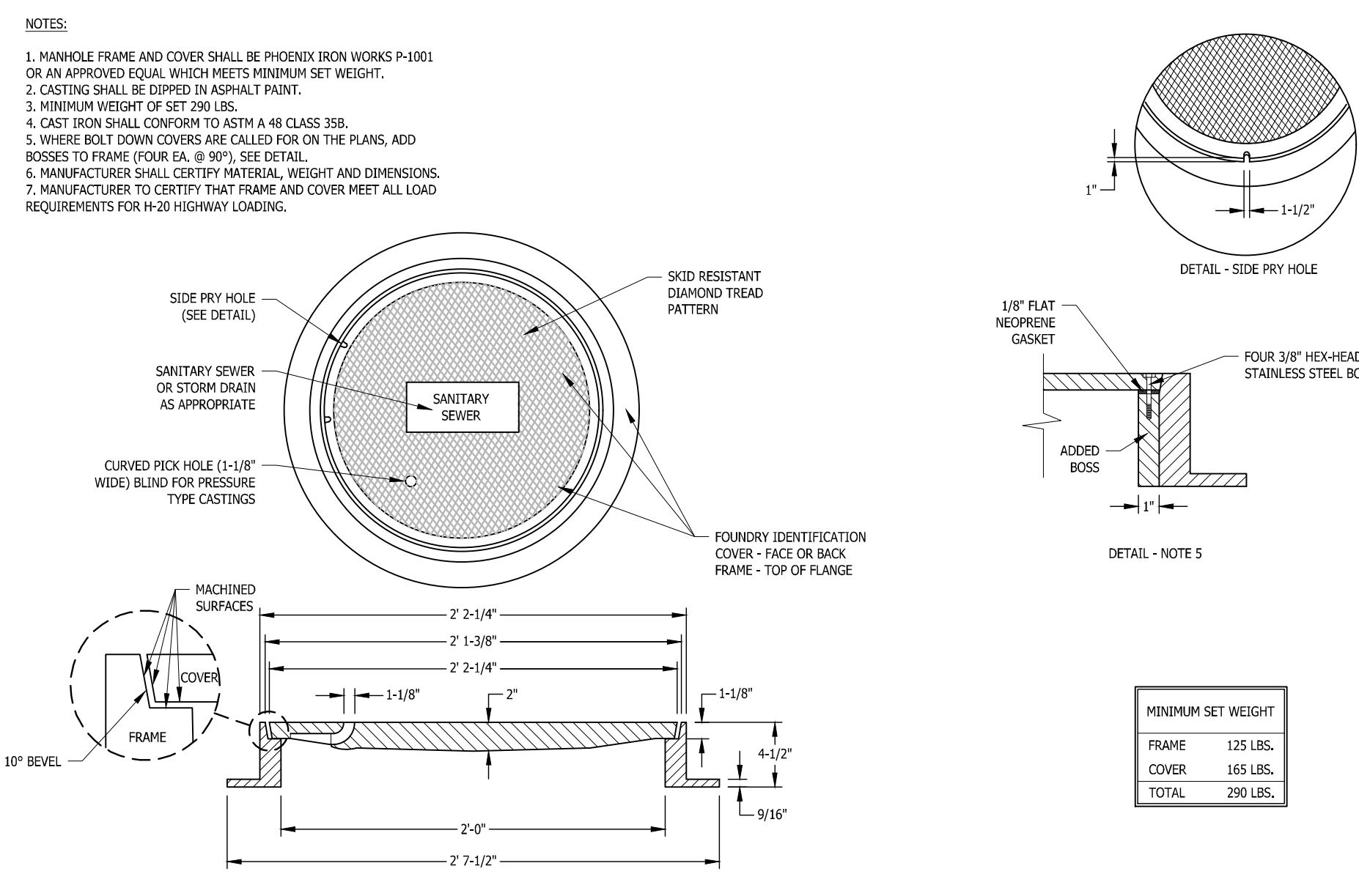
5 SANITARY SEWER MANHOLE

Scale: NTS



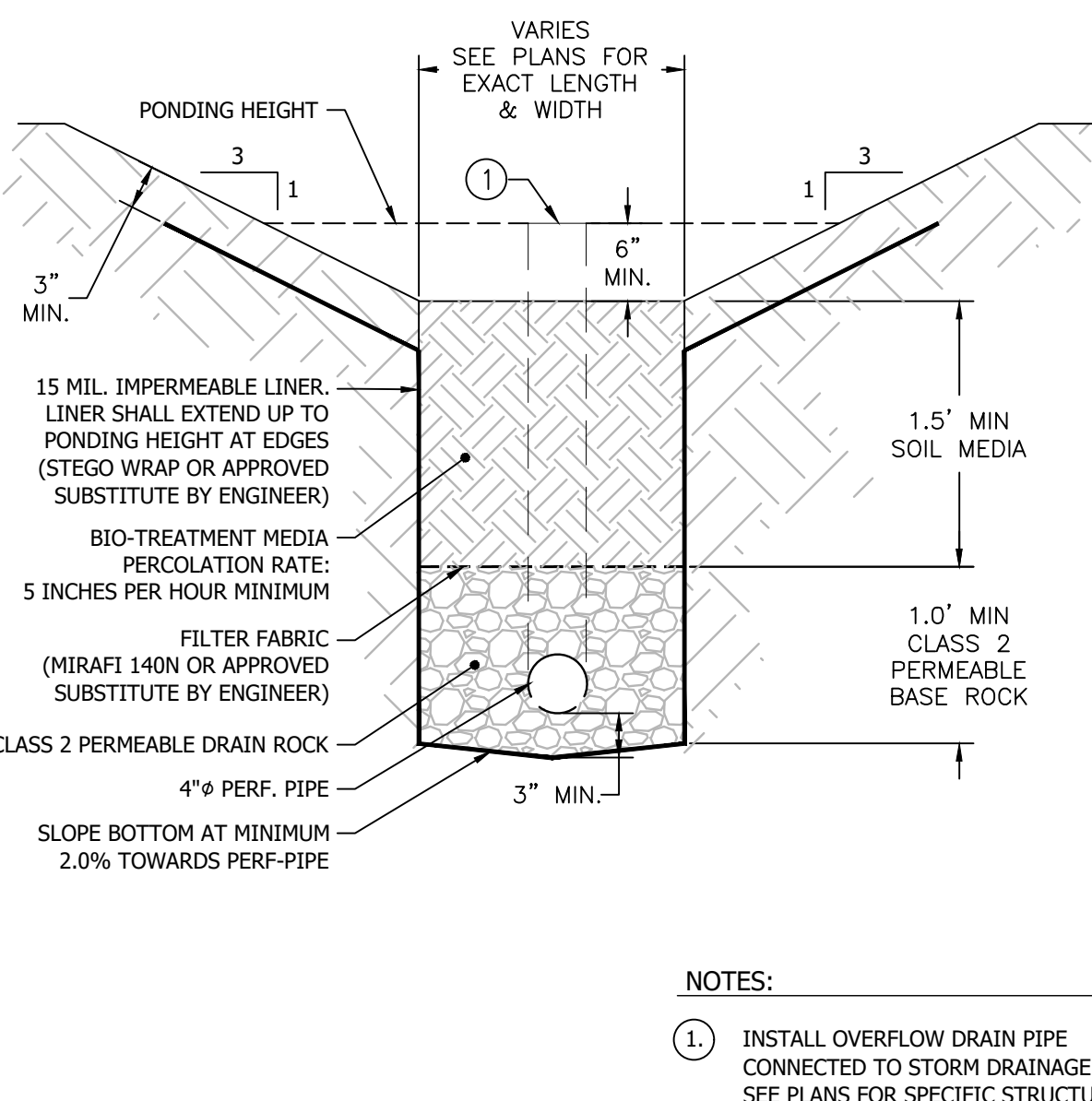
6 STANDARD FRAME & COVER

Scale: NTS



7 U21 - 2' x 2' WITH 4" WALLS

Scale: NTS



8 BIORETENTION SECTIONS

Scale: NTS

- NOTES:
- INSTALL OVERFLOW DRAIN PIPE CONNECTED TO STORM DRAINAGE SYSTEM. SEE PLANS FOR SPECIFIC STRUCTURE

BID SET

NOT FOR CONSTRUCTION

DSA: 01-120466 / File: 43-7



McKim Design Group

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Engineer Seal



Architect Seal

Project Title

PIEDMONT MIDDLE SCHOOL
955 PIEDMONT ROAD
SAN JOSE, CA 95132
NEW MODULAR GYMNASIUM & SITE WORK INCREMENT 1

Client

BERRYESSA UNION SCHOOL DISTRICT
1376 PIEDMONT RD
SAN JOSE, CA 95132

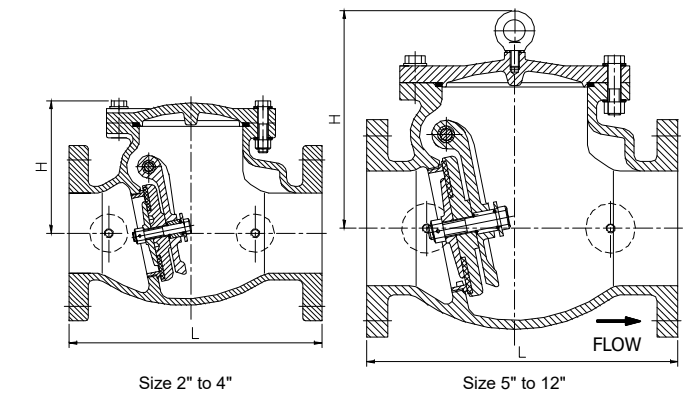
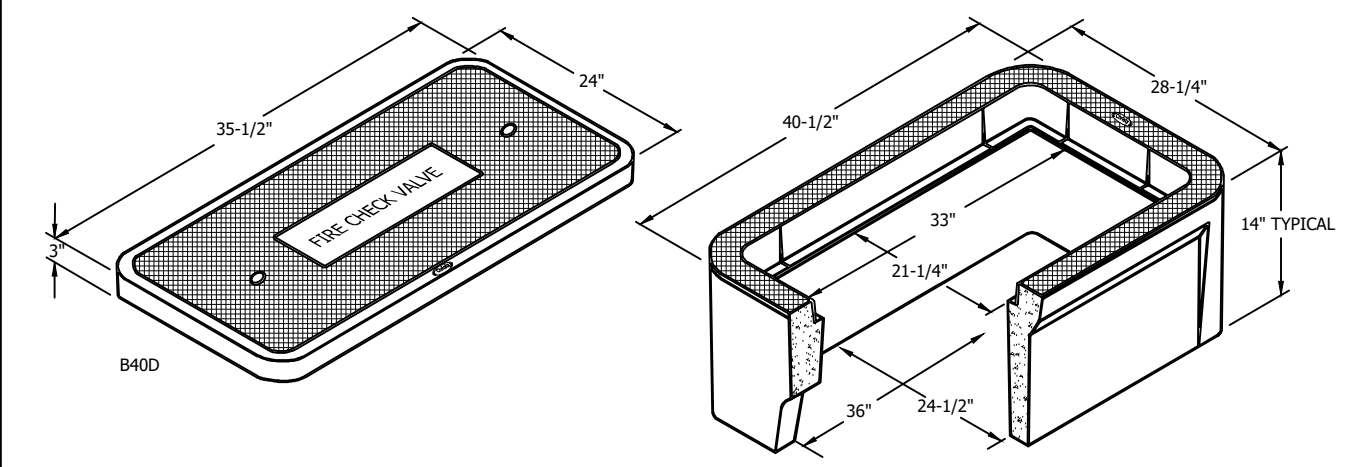
No	Revisions/Submissions	Date
	DSA Submittal V1	10/06/2022
	Addendum #2	11/23/2022

Drawing Title

CONSTRUCTION DETAILS

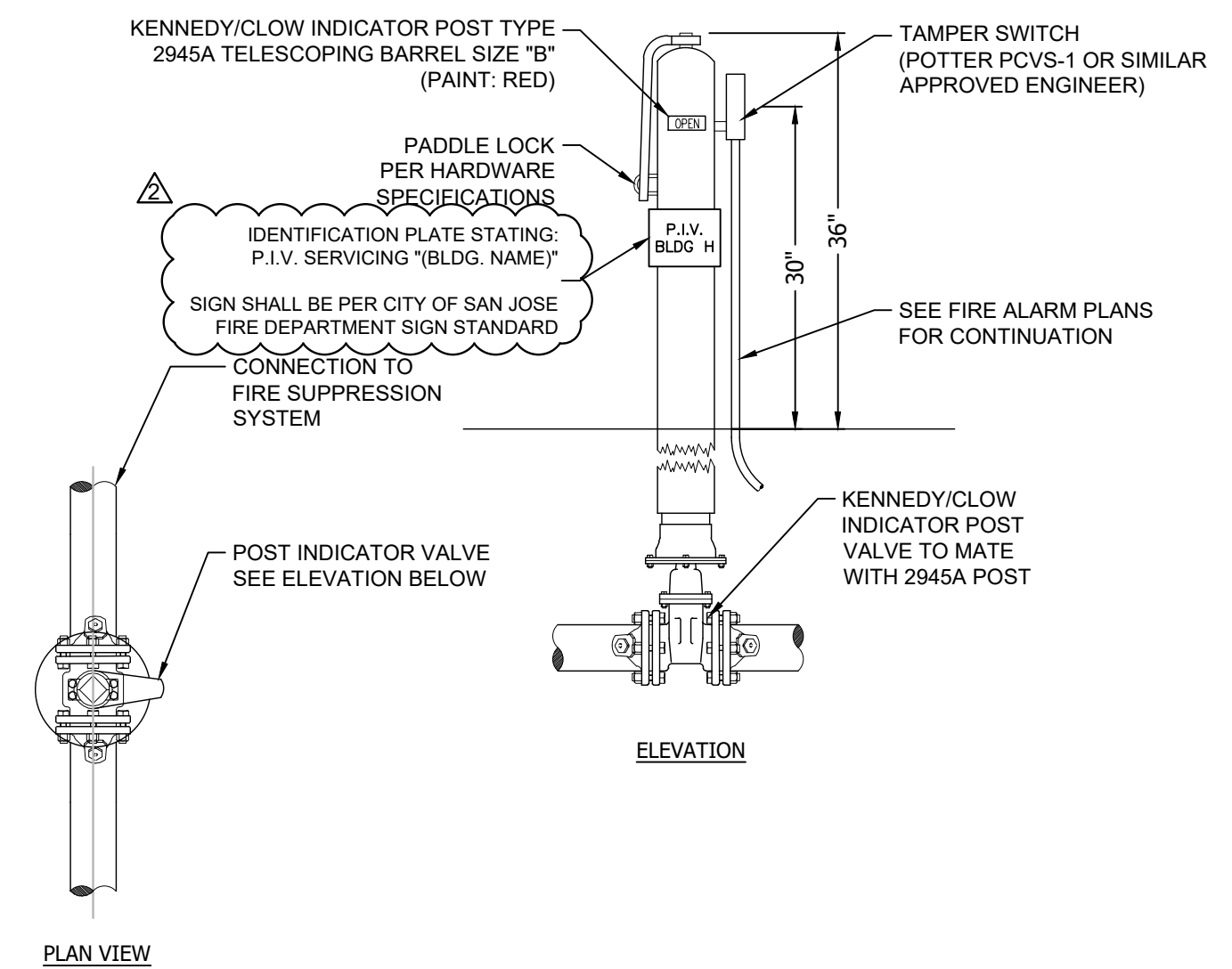
Project No. 2106 Date September 12, 2022

Drawing Number
CD AD2-C5.3



Dimensionsmm(inch)									
Size		2"	2.5"	3"	4"	5"	6"	8"	
L	mm	203	254	279	330	356	406	495	
	inch	8	10	11	13	14	16	19 1/2	
H	mm	132	145	150	175	298	300	352	
	inch	5 1/8	5 7/8	5 7/8	6 7/8	11 3/4	11 3/8	13 7/8	
Weight(LBS.)		25	29	37.5	55	88	110	129	

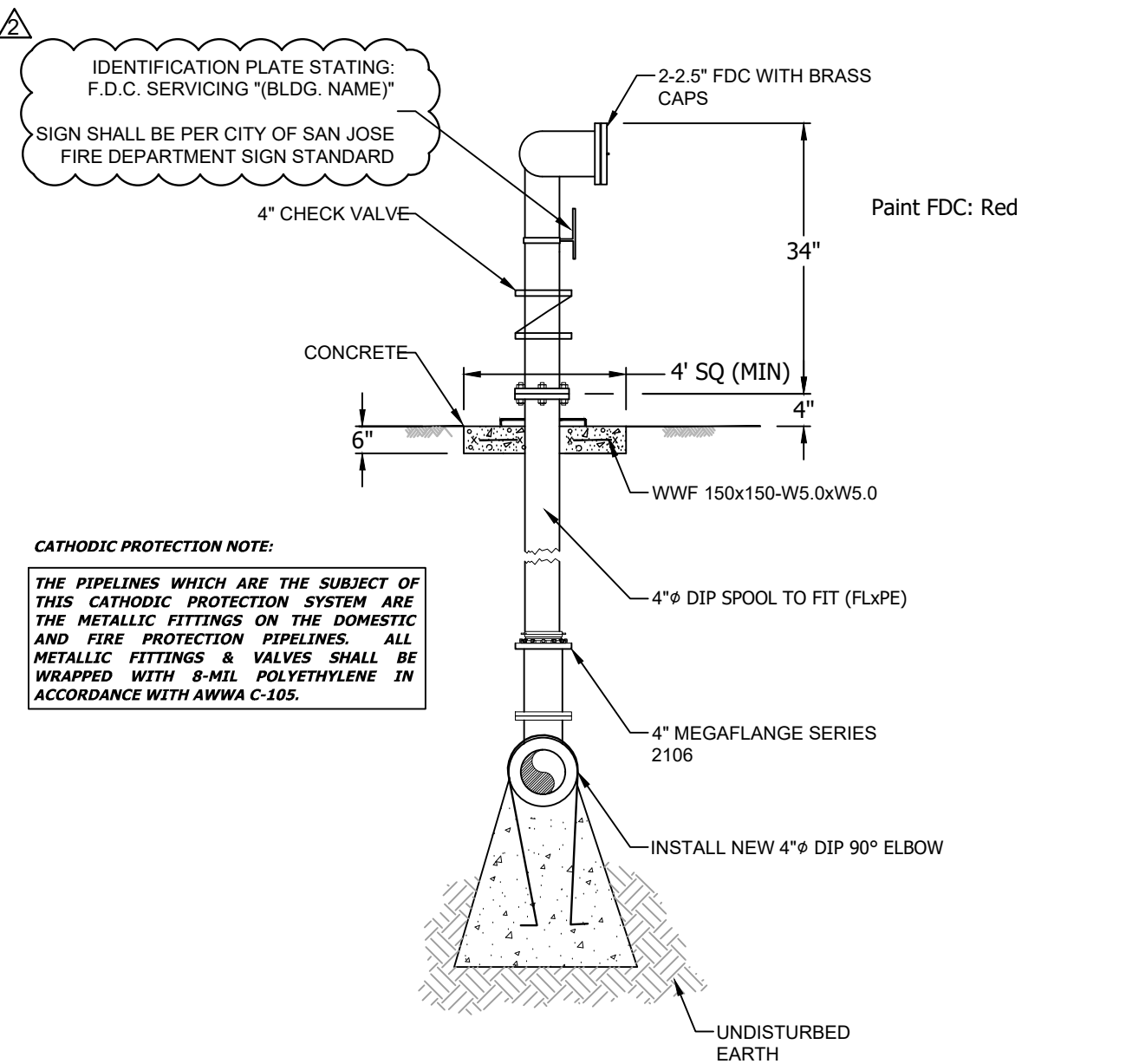
4 SWING CHECK VALVE W/ N36 CHRISTY BOX Scale: NTS



PLAN VIEW

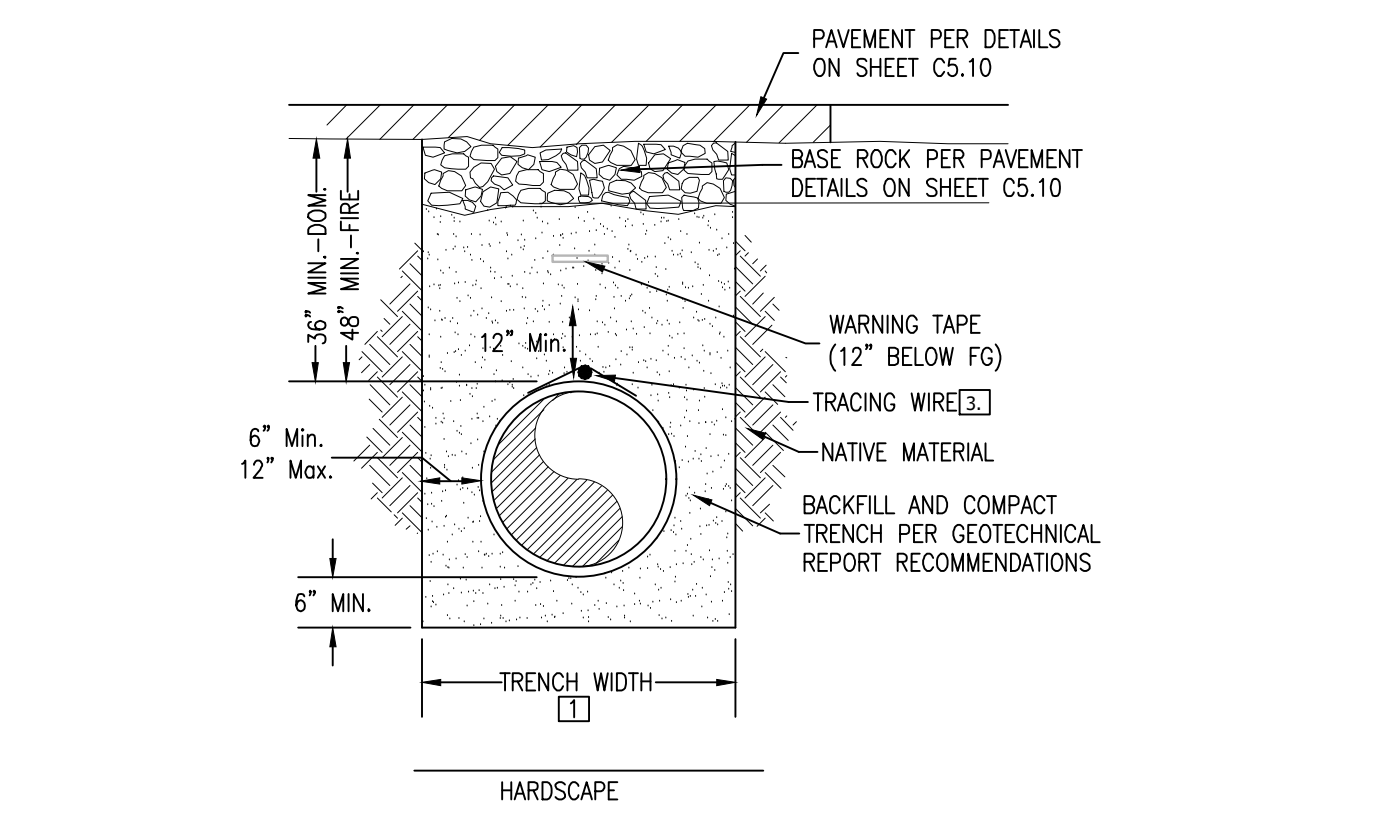
ELEVATION

3 POST INDICATOR VALVE Scale: NTS



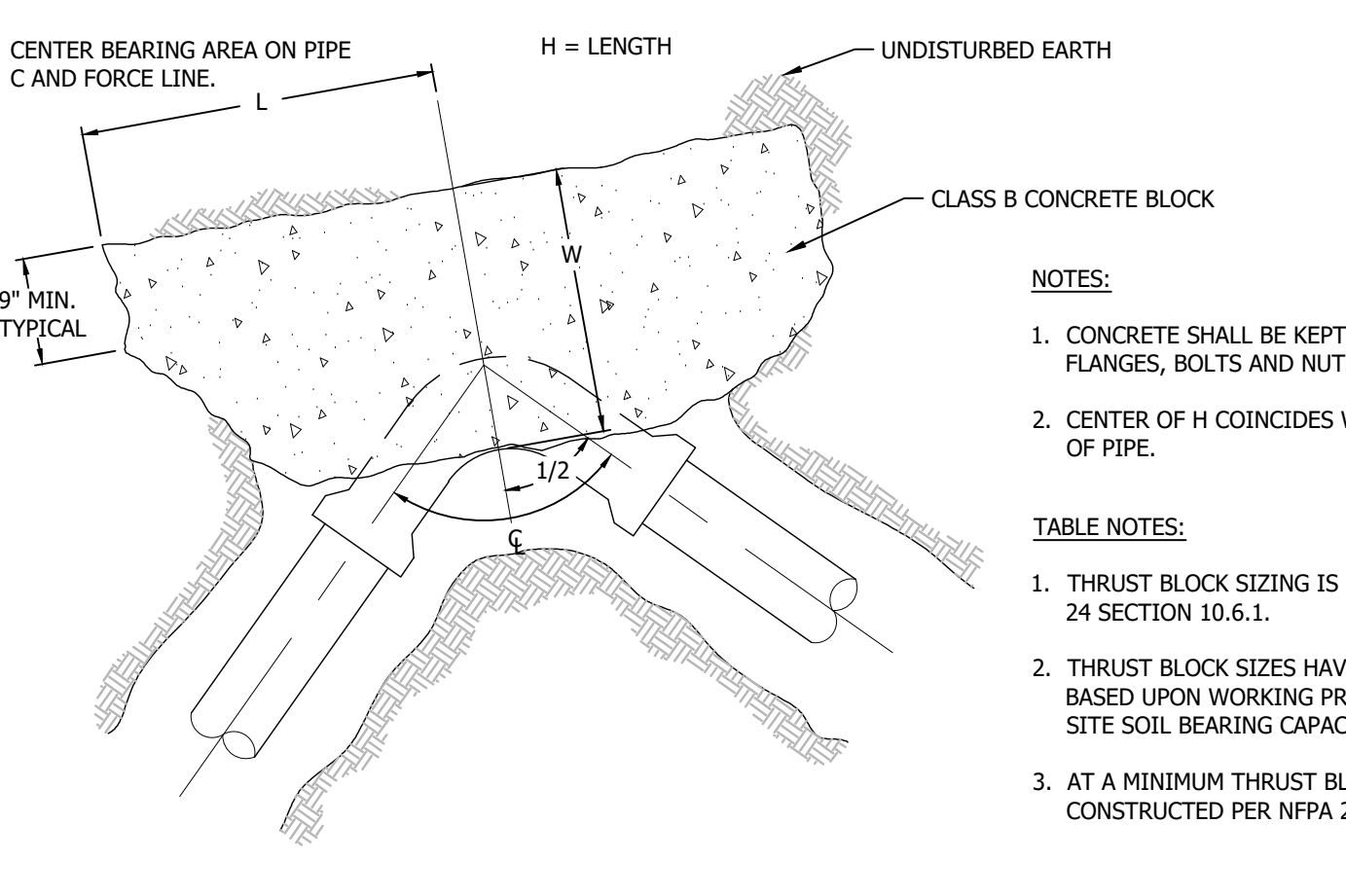
CATHODIC PROTECTION NOTE:
THE PIPELINES WHICH ARE THE SUBJECT OF THIS CATHODIC PROTECTION SYSTEM ARE THE METALLIC FITTINGS ON THE DOMESTIC AND FIRE PROTECTION PIPELINES. ALL METALLIC FITTINGS & VALVES SHALL BE WRAPPED WITH 8-MIL POLYETHYLENE IN ACCORDANCE WITH AWWA C-105.

2 FIRE DEPARTMENT CONNECTION (FDC) Scale: NTS



- NOTES:
- TRENCH WIDTH DETERMINED BY PIPE DIAMETER.
 - ALL DUCTILE IRON FITTINGS AND PIPE SHALL BE PROPERLY PROTECTED AGAINST CORROSION.
 - 12 AWG INSULATED COPPER LOCATOR WIRE TAPED TO PIPE

1 WATER MAIN INSTALLATION Scale: NTS

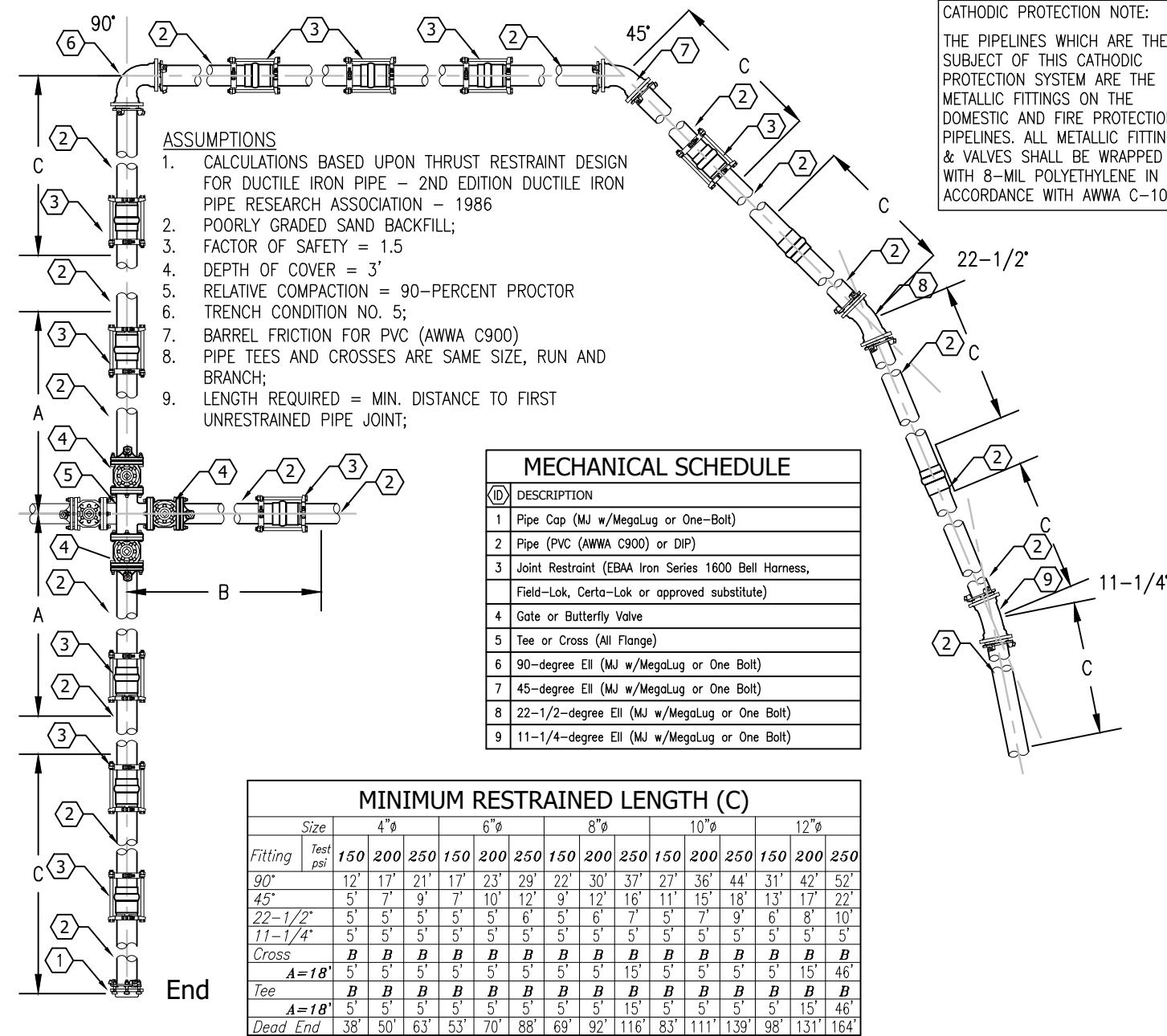


NOTES:

- CONCRETE SHALL BE KEPT CLEAR OF FLANGES, BOLTS AND NUTS.
 - CENTER OF H COINCIDES WITH CENTERLINE OF PIPE.
- TABLE NOTES:
- THRUST BLOCK SIZING IS BASED UPON 2019 NFPA 24 SECTION 10.6.1.
 - THRUST BLOCK SIZES HAVE BEEN CALCULATED BASED UPON WORKING PRESSURE OF 80 PSI AND SITE SOIL BEARING CAPACITY OF 2,000 LBS/FT²
 - AT A MINIMUM THRUST BLOCKS SHALL BE CONSTRUCTED PER NFPA 24 TABLE A10.6.1(b).

PIPE	11.25°		22.5°		45°		90°	
	B. AREA	L' x W'	B. AREA	L' x W'	B. AREA	L' x W'	B. AREA	L' x W'
4"	0.21 SF	0.46 X 0.46	0.42 SF	0.65 X 0.65	0.82 SF	0.91 X 0.91	1.52 SF	1.23 X 1.23
6"	0.44 SF	0.66 X 0.66	0.87 SF	0.93 X 0.93	1.71 SF	1.31 X 1.31	3.16 SF	1.78 X 1.78
8"	0.76 SF	0.87 X 0.87	1.50 SF	1.23 X 1.23	2.94 SF	1.72 X 1.72	5.44 SF	2.33 X 2.33
10"	1.14 SF	1.07 X 1.07	2.26 SF	1.50 X 1.50	4.44 SF	2.11 X 2.11	8.20 SF	2.86 X 2.86
12"	1.61 SF	1.27 X 1.27	3.20 SF	1.79 X 1.79	6.28 SF	2.51 X 2.51	11.60 SF	3.41 X 3.41

7 ELBOW THRUST BLOCK - HORIZONTAL/VERTICAL THRUSTS Scale: NTS



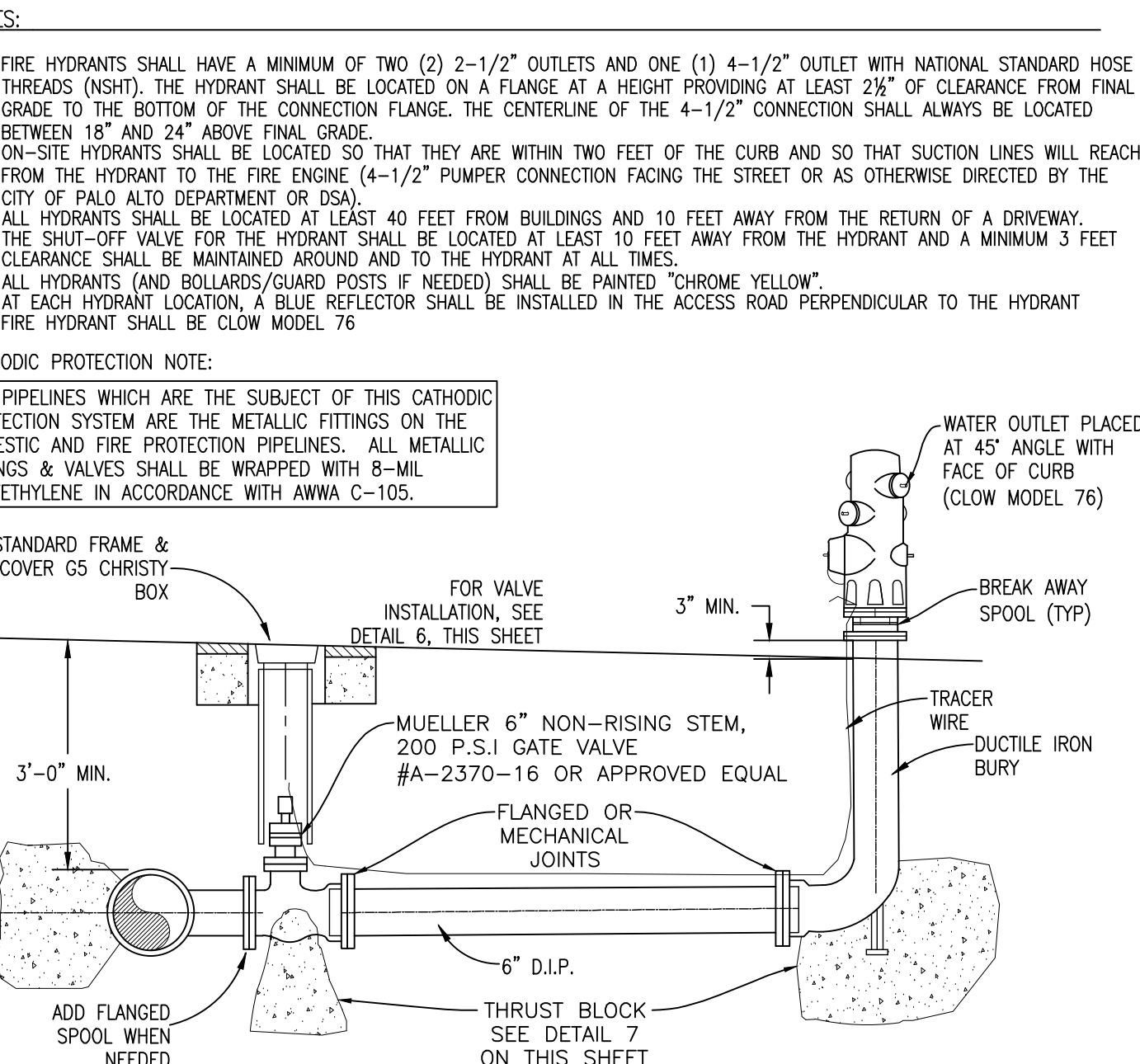
MECHANICAL SCHEDULE

DESCRIPTION
1 Pipe Cap (M w/ Megalug or One-Bolt)
2 Pipe (PVC (AWWA C900) or DDI)
3 Joint Restraint (EBAK Iron Series 1600 Ball Harness, Field-Lok, Carlo-Lok or approved substitute)
4 Gate or Butterfly Valve
5 Tee or Cross (M Flange)
6 90-degree El (M w/ Megalug or One Bolt)
7 45-degree El (M w/ Megalug or One Bolt)
8 22-1/2-degree El (M w/ Megalug or One Bolt)
9 11-1/4-degree El (M w/ Megalug or One Bolt)

MINIMUM RESTRAINED LENGTH (C)

Size	4"	6"	8"	10"	12"
Fitting	150	200	250	300	350
12"	17	21	27	32	37
10"	15	19	24	29	34
8"	13	17	21	26	31
6"	11	14	18	22	27
4"	9	11	14	18	22
22-1/2°	5	6	8	10	12
11-1/4°	3	4	5	6	8
Crosses	R	R	R	R	R
Tees	R	R	R	R	R
45° El	R	R	R	R	R
22-1/2° El	R	R	R	R	R
11-1/4° El	R	R	R	R	R
Depth End	38	50	63	77	91

6 MECHANICAL RESTRAINT DETAIL Scale: NTS



5 FIRE HYDRANT Scale: NTS

EROSION CONTROL BMP'S

- ALL CONSTRUCTION SITES
DELINEATE CLEARING LIMITS, SENSITIVE OR CRITICAL AREAS, TREES, DRAINAGE COURSES, AND BUFFER ZONES TO PREVENT EXCESSIVE OR UNNECESSARY DISTURBANCE AND EXPOSURE OF SOIL.
1. IDENTIFY ALL STORM DRAINS, DRAINAGE SWALES AND CREEKS LOCATED NEAR THE CONSTRUCTION SITE AND MAKE SURE ALL SUBCONTRACTORS ARE AWARE OF THEIR LOCATIONS TO PREVENT POLLUTANTS FROM ENTERING THEM.
2. PRESERVE EXISTING VEGETATION, WHERE REQUIRED AND WHEN FEASIBLE, TO THE MAXIMUM EXTENT PRACTICABLE.
3. PHASE GRADING OPERATIONS, TO THE EXTENT POSSIBLE, TO LIMIT AREAS OF DISTURBANCE AND TIME OF EXPOSURE
4. AVOID AND/OR MINIMIZE IMPACTS OF EXCAVATION AND GRADING DURING WET WEATHER AND IMMEDIATELY PRECEDING EXPECTED WET WEATHER. EXTRA BMP MATERIALS WILL BE KEPT ONSITE FOR PRE-RAIN INSTALL BETWEEN OCTOBER 15 AND APRIL 15.
5. MINIMIZE CUTS AND FILLS.
6. IMPLEMENT MEASURES TO MINIMIZE EROSION, MANAGE STORM WATER RUNOFF, AND PREVENT POLLUTANTS FROM CONSTRUCTION ACTIVITIES FROM ENTERING STORM DRAINS.
7. ALIGN TEMPORARY AND PERMANENT ROADS AND DRIVEWAYS ALONG SLOPE CONTOURS.
8. WASH VEHICLES AT AN APPROPRIATE OFF-SITE FACILITY. IF EQUIPMENT MUST BE WASHED ON-SITE, USE WASH DOWN AREAS DEVELOPED FOR SPECIFIC SITE REQUIREMENTS AND APPROVED BY THE TOWN REPRESENTATIVE. DO NOT USE SOAPS, SOLVENTS, DEGREASERS, OR STEAM CLEANING EQUIPMENT, AND PREVENT WASH WATER FROM ENTERING STORM DRAINS.

- MINIMIZE SOIL MOVEMENT
1. STOCKPILED SOIL AND MATERIALS SHOULD BE COVERED AND STABILIZED WITH TARPS, GEOTEXTILE FABRIC, HYDROSEEDING AND/OR EROSION CONTROL BLANKETS.
2. CREATE A BERM AND/OR INSTALL SILT FENCING AROUND STOCKPILED MATERIALS TO PREVENT STORM WATER RUNOFF FROM TRANSPORTING SEDIMENT OFFSITE.
3. USE STANDARD EROSION CONTROL SEEDING, PLANTING, MULCHING, GEOTEXTILE FABRIC AND/OR EROSION CONTROL BLANKETS TO STABILIZE DISTURBED SOIL AND REDUCE THE POTENTIAL FOR EROSION.
4. USE OTHER SOIL STABILIZERS AS APPROVED BY THE TOWN OF PORTOLA VALLEY.

- STRUCTURES TO CONTROL AND CONVEY RUNOFF
1. CONVEY RUNOFF BY USE OF EARTH DIKES, DRAINAGE SWALES AND/OR DITCHES WHEN FEASIBLE.
2. USE SLOPE DRAINS TO COLLECT AND CONVEY WATER FOR DISCHARGE BELOW SLOPES WHEN FEASIBLE.
3. USE VELOCITY DISSIPATION DEVICES, FLARED CULVERT END SECTIONS AND/OR CHECK DAMS TO REDUCE RUNOFF VELOCITY AND MITIGATE EROSION WHEN FEASIBLE.

- CAPTURE SEDIMENT
1. USE TERRACING, RIPRAP, SAND BAGS, ROCKS, APPROVED TEMPORARY VEGETATION AND/OR OTHER APPROVED BMP'S ON SLOPES TO REDUCE RUNOFF VELOCITY AND TRAP SEDIMENTS. DO NOT USE ASPHALT RUBBLE OR OTHER DEMOLITION DEBRIS FOR THIS PURPOSE.
2. PROTECT STORM DRAIN INLETS FROM SEDIMENT-LADEN RUNOFF. STORM DRAIN INLET PROTECTION DEVICES INCLUDE FILTERX 8" SOXX W/ MIRAFI 140N, FILTER FABRIC FENCES AND BLOCK AND GRAVEL FILTERS.
3. SAND BAGS, GRAVEL BAGS AND STRAW WATTLES AROUND STORM DRAIN INLETS THAT ARE EXPOSED VEHICULAR TRAFFIC ARE NOT ALLOWED.

- OTHER RUNOFF CONTROLS
1. TEMPORARY SEDIMENT BASIN
2. SEDIMENT TRAP
3. BRUSH OR ROCK FILTER
4. SILT FENCE
5. SAND OR GRAVEL BAG BARRIER (NOT IN TRAFFIC AREAS)
TRACKING CONTROL
1. IMPLEMENT MEASURES AS NECESSARY TO MINIMIZE TRACKING OF SOIL OFF SITE
2. USE DRY SWEEPING METHODS WHEN CLEANING SEDIMENTS FROM STREETS, DRIVEWAYS AND PAVED AREAS BY HAND. WHEN USING MECHANICAL STREET SWEEPERS, USE FINE WATER SPRAY TO REDUCE DUST AND IMPROVE SEDIMENT REMOVAL WHILE MINIMIZING RUNOFF.

- PAINT WORK
1. DO NOT CLEAN PAINT BRUSHES OR RINSE PAINT CONTAINERS INTO A STREET, GUTTER, STORM DRAIN, OR CREEK.
2. FOR WATER-BASED PAINTS, PAINT OUT BRUSHES TO THE EXTENT POSSIBLE AND RINSE TO A DRAIN LEADING TO THE SANITARY SEWER (I.E., INDOOR PLUMBING).
3. FOR OIL-BASED PAINTS, PAINT OUT BRUSHES TO THE EXTENT POSSIBLE, AND FILTER AND REUSE THINNERS AND SOLVENTS. DISPOSE OF UNUSABLE THINNERS, OIL-BASED PAINT, SLUDGES AND RESIDUE AS HAZARDOUS WASTE.
4. NON-HAZARDOUS PAINT CHIPS AND DUST FROM DRY STRIPPING AND SAND BLASTING MAY BE SWEEP UP OR COLLECTED IN PLASTIC DROP CLOTHS AND DISPOSED OF AS TRASH. CHEMICAL PAINT STRIPPING RESIDUE AND CHIPS AND DUST FROM MARINE PAINTS OR PAINTS CONTAINING LEAD OR TRIBUTYL TIN MUST BE DISPOSED OF AS A HAZARDOUS WASTE.
5. WHEN STRIPPING OR CLEANING BUILDING EXTERIORS WITH HIGH-PRESSURE WATER, COVER OR BERM STORM DRAIN INLETS. COLLECT (MOP OR VACUUM) BUILDING CLEANING WATER FOR DISPOSAL IN A PRE-AUTHORIZED MANNER.
6. RECYCLE, RETURN TO SUPPLIER OR DONATE UNWANTED WATER-BASED (LATEX) PAINT.
7. DRIED LATEX PAINT MAY BE DISPOSED OF IN THE TRASH.

- CEMENT AND CONCRETE WORK
1. AVOID MIXING EXCESS AMOUNTS OF FRESH CONCRETE OR CEMENT MORTAR ON-SITE.
2. STORE DRY AND WET CONCRETE AND CEMENT UNDER COVER, PROTECTED FROM RAINFALL AND RUNOFF.
3. WASH OUT CONCRETE TRANSIT MIXERS ONLY IN DESIGNATED WASH-OUT AREAS. WHENEVER POSSIBLE, RECYCLE WASHOUT BY PUMPING BACK INTO MIXERS FOR REUSE. DO NOT DISPOSE OF WASHOUT INTO THE STREET, STORM DRAINS, DRAINAGE DITCHES, OR CREEKS. DESIGNATED WASH-OUT AREAS MUST BE MAINTAINED TO PREVENT OVER FLOW.
4. WHENEVER POSSIBLE, RETURN CONTENTS OF MIXER BARREL TO THE OFF-SITE YARD FOR RECYCLING. DISPOSE OF SMALL AMOUNTS OF EXCESS CONCRETE, GROUT, AND MORTAR IN THE TRASH.

- ROADWORK/PAVEMENT
5. APPLY CONCRETE, ASPHALT, AND SEAL COAT DURING DRY WEATHER TO PREVENT CONTAMINANTS FROM CONTACTING STORMWATER RUNOFF.
6. COVER STORM DRAIN INLETS AND MANHOLES WHEN PAVING OR APPLYING SEAL COAT, SLURRY SEAL, FOG SEAL, AND SIMILAR MATERIALS.
7. ALWAYS PARK PAVING MACHINES OVER DRIP PANS OR ABSORBENT MATERIALS, SINCE THEY TEND TO DRIP CONTINUOUSLY.
8. WHEN MAKING SAW-CUTS IN PAVEMENT, USE AS LITTLE WATER AS POSSIBLE. COVER POTENTIALLY AFFECTED STORM DRAIN INLETS COMPLETELY WITH FILTER FABRIC DURING THE SAWING OPERATION AND CONTAIN THE SLURRY BY

- WET-VACUUMING, OR BY PLACING STRAW BALES, SANDBAGS, OR GRAVEL DAMS AROUND THE CATCH BASINS. AFTER THE LIQUID DRAINS OR EVAPORATES, SHOVEL OR VACUUM THE SLURRY RESIDUE FROM THE PAVEMENT OR GUTTER AND REMOVE FROM SITE.
9. WASH DOWN EXPOSED AGGREGATE CONCRETE ONLY WHEN THE WASH WATER CAN: (1) FLOW ONTO A DIRT AREA; (2) DRAIN ONTO A BERMED SURFACE FROM WHICH IT CAN BE PUMPED AND DISPOSED OF PROPERLY; OR (3) BE VACUUMED FROM THE AREA ALONG THE CURB WHERE SEDIMENT HAS ACCUMULATED BY BLOCKING A STORM DRAIN INLET.
10. ALLOW AGGREGATE RINSE TO SETTLE, AND PUMP THE WATER TO THE SANITARY SEWER IF ALLOWED BY YOUR LOCAL WASTEWATER AUTHORITY.
11. DO NOT WASH SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO A STREET OR STORM DRAIN. COLLECT AND RETURN TO AGGREGATE BASE STOCKPILE, OR DISPOSE WITH TRASH.
12. RECYCLE BROKEN CONCRETE AND ASPHALT.

- HAZARDOUS MATERIAL SPILL PREVENTION, SPILL REPORTING AND RESPONSE
1. ALL HAZARDOUS MATERIALS SHALL BE STORED SO THAT THEY ARE PROTECTED FROM INCLEMENT WEATHER AND VANDALISM.
2. MOTOR VEHICLES SHALL NOT BE FUELED ON THE PROJECT SITE.
3. SPILL CONTAINMENT MEASURES MUST BE MADE PRIOR TO FUELING WHEN FUELING EQUIPMENT OTHER THAN MOTOR VEHICLES.
4. VEHICLE MAINTENANCE, OTHER THAN EMERGENCY REPAIRS, SHALL NOT BE PERFORMED ON THE PROJECT SITE.
5. ALL INACTIVE VEHICLES/EQUIPMENT SHALL USE COVERS AND/OR DRIP PANS.
6. APPROPRIATE EMERGENCY SPILL CONTAINMENT SUPPLIES SHALL BE MAINTAINED ON SITE BY THE CONTRACTOR.
7. SPILLS GREATER THAN ONE QUART SHALL BE IMMEDIATELY REPORTED TO THE CITY'S REPRESENTATIVE.
8. SPILLS SHALL BE DIKED OR CONTAINED BY TRAINED PERSONNEL TO PREVENT THE SPILLED HAZARDOUS MATERIAL FROM ENTERING THE STORM WATER SYSTEM OR LEAVING THE PROJECT SITE.
9. SPILLS OF LESS THAN FIVE (5) GALLONS SHALL BE ABSORBED USING AN APPROPRIATE MATERIAL. ALL CONTAMINATED MATERIALS SHALL BE CONTAINERIZED, REMOVED FROM THE JOBSITE AND DISPOSED IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
10. SPILLS IN EXCESS OF FIVE (5) GALLONS SHALL BE ABSORBED USING AN APPROPRIATE MATERIAL AND PLACED IN CONTAINERS UNDER THE DIRECTION OF THE TOWN/OFFICE OF ENVIRONMENTAL HEALTH AND SAFETY.
11. ANY CONTAMINATED SOIL SHALL BE REMOVED BY THE CONTRACTOR AND REPLACED WITH ACCEPTABLE SOIL.
12. ANY CONTAMINATED STORMWATER WILL BE MANAGED AS NON-STORMWATER.
13. RESPONSE SHALL BE CARRIED OUT BY APPROPRIATELY TRAINED PERSONNEL UTILIZING SAFE PRACTICES.

- GOOD HOUSEKEEPING PRACTICES
1. DO NOT WASH DOWN PAVEMENT OR SURFACES WHERE SILT HAS BEEN DEPOSITED OR MATERIALS HAVE SPILLED. USE DRY CLEANUP METHODS.
2. AVOID CONTAMINATING CLEAN RUNOFF FROM AREAS ADJACENT TO YOUR SITE BY USING BERMS AND/OR TEMPORARY OR PERMANENT DRAINAGE DITCHES TO DIVERT WATER FLOW AROUND THE SITE.
3. COVER EXPOSED PILES OF SOIL, CONSTRUCTION MATERIALS AND WASTES WITH PLASTIC SHEETING OR TEMPORARY ROOFS. BEFORE IT RAINS, SWEEP AND REMOVE MATERIALS FROM SURFACES THAT DRAIN TO STORM DRAINS, CREEKS, OR CHANNELS.
4. PLACE TRASH CANS AROUND THE SITE TO REDUCE POTENTIAL LITTER. DISPOSE OF NON-HAZARDOUS CONSTRUCTION WASTES IN COVERED DUMPSTERS OR RECYCLING RECEPTACLES. RECYCLE LEFTOVER MATERIALS WHENEVER POSSIBLE.
5. DISPOSE OF ALL WASTES PROPERLY. MATERIALS THAT CAN NOT BE REUSED OR RECYCLED MUST BE TAKEN TO AN APPROPRIATE LANDFILL OR DISPOSED OF AS HAZARDOUS WASTE, AS APPROPRIATE.
6. COVER OPEN DUMPSTERS WITH PLASTIC SHEETING OR A TARP DURING RAINY WEATHER. SECURE THE SHEETING OR TARP AROUND THE OUTSIDE OF THE DUMPSTER. IF THE DUMPSTER HAS A COVER, CLOSE IT.
7. ANY DEWATERING MUST FIRST BE APPROVED BY THE TOWN/AND APPROPRIATE REGULATORY AGENCIES.
8. TRAIN YOUR EMPLOYEES AND INFORM CONTRACTORS AND SUBCONTRACTORS ABOUT STORM WATER MANAGEMENT REQUIREMENTS AND THEIR RESPONSIBILITIES FOR COMPLIANCE.

LEGEND

Legend symbols and descriptions: TREE PROTECTION, SILT FENCE, FILTERX 8" SOXX W/ MIRAFI 140N FABRIC, FIBER ROLL, DIRECTION OF FLOW WITH STORM DRAIN INSTALLED, STABILIZED CONSTRUCTION ENTRANCE/EXIT, MATERIALS & EQUIPMENT STORAGE AREA, SANITARY FACILITY, CONCRETE/WASTE WASHOUT.

SWPPP MANAGER TO MARK KNOWN LOCATIONS

EROSION CONTROL NOTES

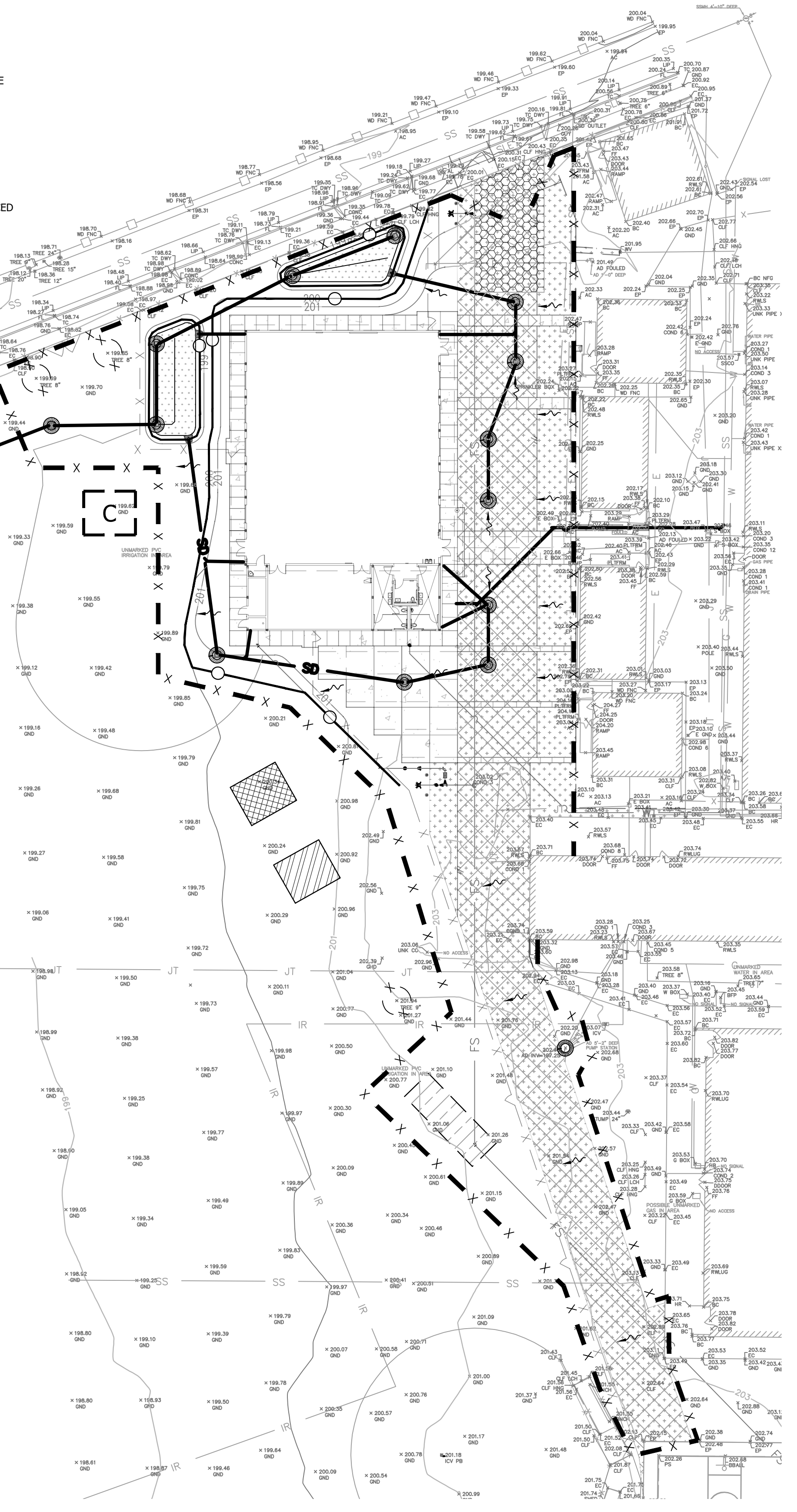
- 1. CONSTRUCTION BEST MANAGEMENT PRACTICES (BMP'S): PROJECT CONSTRUCTION AND DEMOLITION ACTIVITIES SHALL COMPLY WITH THE CITY'S STORM WATER BEST MANAGEMENT PRACTICES FOR CONSTRUCTION.
2. BMP'S, SUCH AS FIBER ROLLS OR WATTLES, SHALL BE INSPECTED PERIODICALLY DURING CONSTRUCTION AND AFTER EACH SIGNIFICANT RAIN EVENT, AND ANY NEEDED REPAIRS MADE IMMEDIATELY.
3. MATERIALS & PAINT STORAGE: OPEN BAGS OF PARTICULATE, GRANULAR OR POWDER MATERIALS (SUCH AS PLASTER OR CONCRETE) AND PAINTS SHOULD BE STORED INSIDE IF POSSIBLE. IF STORED OUTSIDE, THEY MUST BE KEPT COVERED/ CLOSED AND DURING THE RAINY SEASON KEPT WITHIN SECONDARY CONTAINMENT.
4. REUSE: DUMPSTER LIDS MUST BE KEPT CLOSED AND SECURED WHEN NOT IN USE.
5. SITE CONSTRUCTION ENTRANCE & EXIT: CHECK THE SIDEWALK AND STREET DAILY DURING THE DEMOLITION AND CONSTRUCTION PHASES FOR SOIL OR SEDIMENT DRAG-OUT, AND SWEEP IF NEEDED.
6. SOIL STOCKPILES: EXCAVATED AND/OR NEW SOIL STOCKPILES MUST BE PROTECTED FROM RUNOFF/RUN ON BY BMP'S APPROPRIATE FOR THE PILE SIZE, LOCATION AND SITE CONDITIONS, AND MUST BE COVERED WITH PLASTIC SHEETING OR TARPS WHEN NOT IN USE AND SURROUNDED BY BERMS, FIBER ROLLS OR WATTLES TO PREVENT RUN-ON AND RUN-OFF. WHEN EXCAVATED SOIL IS MOVED OFF-SITE, CHECK THE SIDEWALK AND STREET FOR DIRT "DRAG OUT" AND SWEEP IF NEEDED. IF ON A SLOPE, EITHER LOCATE SOIL STOCKPILES TO AREA WITH LESS THAN A 10% SLOPE OR ADD A NOTE THAT SOIL WILL BE HAULED OFFSITE AT END OF EACH THE DAY.
7. STORM DRAIN INLET/CATCH BASIN PROTECTION: PLEASE USE FILTER FABRIC OR INSERTS FOR CATCH BASINS LOCATED ON STREETS. (SAND BAGS, GRAVEL BAGS AND STRAW WATTLES AROUND STORM DRAIN INLETS THAT ARE EXPOSED TO VEHICULAR TRAFFIC IN STREETS ARE NOT ALLOWED). IF FILTER FABRIC, PLEASE USE FILTERX 8" SOXX WITH MIRAFI 140N FABRIC UNDERNEATH THE GRATE, APPROPRIATELY SIZED AND SECURED, DURING CONSTRUCTION. ADD NOTE TO EXTEND FABRIC MIN 6-INCHES BEYOND CATCH BASIN AFTER PLACEMENT OF GRATE. ADD THAT CONTRACTOR SHALL REMOVE FILTER FABRIC IN THE CATCH BASINS AND STORM DRAIN INLETS UPON COMPLETION OF PROJECT.
8. PROPERLY INSTALL AND MAINTAIN ON-SITE EROSION CONTROL MEASURES. CHECK REGULARLY FOR DAMAGES DURING CONSTRUCTION WORK. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED AFTER EACH SIGNIFICANT RAIN EVENT AND NEEDED REPAIRS MADE IMMEDIATELY UPON DETECTION. DURING THE RAINY SEASON, USE ONE OR MORE SEDIMENT CONTROL MEASURES, SUCH AS FIBER ROLLS AND STRAW WATTLES, TO PREVENT SEDIMENT FROM LEAVING THE SITE.

GENERAL EROSION CONTROL NOTES

- 1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE AND MAINTAIN EROSION CONTROL MEASURES AS REQUIRED THROUGHOUT THE LIFE OF THE PROJECT IN CONFORMANCE WITH THE TOWN OF PORTOLA VALLEY AND ASSOCIATED BAY AREA GOVERNMENTS.
2. CONTRACTOR TO PROVIDE BACK-UP EROSION PREVENTION MEASURES (SOIL STABILIZATION) WITH SEDIMENT CONTROL MEASURES SUCH AS STRAW WATTLES, SILT FENCE, FILTERX 8" SOXX AND MIRAFI 140N, AND/OR SEDIMENT TRAPS OR BASINS. ENSURE CONTROL MEASURES ARE ADEQUATE, IN PLACE, AND IN OPERABLE CONDITIONS. SEDIMENT CONTROLS, INCLUDING INLET PROTECTION, ARE NECESSARY BUT SHOULD BE A SECONDARY DEFENSE BEHIND GOOD EROSION CONTROL MEASURES.
3. ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED THROUGHOUT THE SEASON. REPLACEMENT SUPPLIES SHOULD BE KEPT ON SITE.
4. SITE INSPECTIONS SHALL BE CONDUCTED BEFORE AND AFTER EACH STORM EVENT, AND EVERY 24 HOURS FOR EXTENDED STORM EVENTS, TO IDENTIFY AREAS THAT CONTRIBUTE TO EROSION AND SEDIMENT PROBLEMS OR ANY OTHER POLLUTANT DISCHARGES. IF ADDITIONAL MEASURES ARE NEEDED, REVISE THE EROSION CONTROL PLAN AND IMPLEMENT THE MEASURES IMMEDIATELY. DOCUMENT ALL INSPECTION FINDINGS AND ACTIONS TAKEN.
5. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES DURING CONSTRUCTION FOR CONTROL OF STORM WATER RUNOFF.
6. BETWEEN OCTOBER 15 AND APRIL 15, EXPOSED SOIL SHALL BE PROTECTED FROM EROSION AT ALL TIMES. HAY BALES, FILTER BERMS, OR OTHER MEANS SHALL BE EMPLOYED TO PREVENT TURBID RUNOFF TO ADJOINING PROPERTIES.
7. UNNECESSARY GRADING AND DISTURBING OR SOIL SHALL BE AVOIDED.
8. ANY EXCESS MATERIAL SHALL BE DISPOSED OF OFF-SITE OR STOCKPILED IN A MANNER TO AVOID RUNOFF ONTO ADJOINING PROPERTIES.
9. ANY MATERIAL STOCKPILED DURING CONSTRUCTION SHALL BE COVERED WITH PLASTIC.
10. CONTRACTOR SHALL NOTIFY THE SCHOOL DISTRICT 48 HOURS BEFORE ANY EARTHWORK BEGINS.
11. CONTRACTOR SHALL REMOVE FILTER FABRIC AND ALL SEDIMENT BARRIERS FROM STORM DRAIN INLET UPON COMPLETION OF PROJECT.

EROSION CONTROL MEASURES

- 1. EROSION CONTROL MEASURES FOR WIND, WATER, MATERIAL STOCKPILES, AND TRACKING SHALL BE IMPLEMENTED ON ALL PROJECTS AT ALL TIMES AND THROUGHOUT SOURCE CONTROL, INCLUDING PROTECTION OF STOCKPILES, PROTECTION OF SLOPES, PROTECTION OF ALL DISTURBED AREAS, PROTECTION OF ACCESSES, AND PERIMETER CONTAINMENT MEASURES. EROSION CONTROL SHALL BE PLACED PRIOR TO THE COMMENCEMENT OF GRADING AND SITE DISTURBANCE ACTIVITIES UNLESS THE PUBLIC WORKS DEPARTMENT DETERMINES TEMPORARY MEASURES TO BE UNNECESSARY BASED UPON LOCATION, SITE CHARACTERISTICS OR TIME OF YEAR. THE INVENTORY OF EROSION CONTROL MEASURES SHALL BE TO KEEP ALL GENERATED SEDIMENTS FROM ENTERING A SWALE, DRAINAGE WAY, WATERCOURSE, ATMOSPHERE, OR MIGRATE ONTO ADJACENT PROPERTIES OR ONTO THE PUBLIC RIGHT-OF-WAY.
2. SITE INSPECTIONS AND APPROPRIATE MAINTENANCE OF ALL EROSION CONTROL MEASURES/DEVICES SHALL BE CONDUCTED AND DOCUMENTED AT ALL TIMES DURING CONSTRUCTION AND ESPECIALLY PRIOR TO, DURING, AND AFTER RAIN EVENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT AND MAINTENANCE OF ALL EROSION CONTROL MEASURES/DEVICES AS SPECIFIED BY THE APPROVED PLAN UNTIL SUCH TIME THAT THE PROJECT IS ACCEPTED AS COMPLETE BY THE SCHOOL DISTRICT OR UNTIL RELEASED FROM THE CONDITIONS OF APPROVAL OF THEIR GENERAL PERMIT. EROSION CONTROL MEASURES/DEVICES MAY BE RELOCATED, DELETED OR ADDITIONAL MEASURES/DEVICES MAY BE REQUIRED DEPENDING ON THE ACTUAL CONDITIONS ENCOUNTERED DURING CONSTRUCTION. ADDITIONAL EROSION CONTROL MEASURES/DEVICES SHALL BE PLACED AT THE DISCRETION OF THE ENGINEER OF WORK, CITY INSPECTOR, SWPPP MONITOR, OR RWQCB INSPECTOR. GUIDELINES FOR DETERMINING APPROPRIATE EROSION CONTROL DEVICES SHALL BE INCLUDED IN THE PLANS WITH ADDITIONAL MEASURES/DEVICES NOTED FROM THE APPENDIX OF THE PUBLIC IMPROVEMENT STANDARDS.
4. EROSION CONTROL DEVICES SHALL BE THE FIRST ORDER OF WORK AND SHALL BE IN PLACE AT ALL TIMES DURING CONSTRUCTION. ADDITIONAL MEASURES/DEVICES SHALL BE AVAILABLE DURING THE RAINY SEASON (BETWEEN OCTOBER 15 AND APRIL 15) OR ANYTIME WHEN THE RAIN PROBABILITY EXCEEDS 30%. THESE MEASURES/DEVICES SHALL BE AVAILABLE, INSTALLED, AND/OR APPLIED AFTER EACH AREA IS GRADED AND NO LATER THAN FIVE (5) WORKING DAYS AFTER COMPLETION OF EACH AREA.
5. THE CONTRACTOR, DEVELOPER, AND ENGINEER OF WORK SHALL BE RESPONSIBLE TO REVIEW THE PROJECT SITE PRIOR TO OCTOBER 15 (RAINY SEASON) AND TO COORDINATE AN IMPLEMENTATION PLAN FOR WET WEATHER EROSION CONTROL DEVICES. A LOCALLY BASED STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (OCTOBER 15 THROUGH APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE AND STOCK PILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OR MAINTENANCE OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
6. IN THE EVENT OF A FAILURE, THE DEVELOPER AND/OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR CLEANUP AND ALL ASSOCIATED COSTS OR DAMAGE. IN THE EVENT THAT DAMAGE OCCURS WITHIN THE RIGHT-OF-WAY AND THE CITY REQUIRED TO PERFORM CLEANUP, THE OWNER SHALL BE RESPONSIBLE FOR CITY REIMBURSEMENT OF ALL ASSOCIATED COSTS OR DAMAGE.
7. IN THE EVENT OF FAILURE AND/OR LACK OF PERFORMANCE BY THE OWNER AND/OR CONTRACTOR TO CORRECT EROSION CONTROL RELATED PROBLEMS THE PUBLIC WORKS DEPARTMENT MAY REVOKE ALL ACTIVE PERMITS AND RECOMMEND THAT CITY CODE ENFORCEMENT PROVIDE A WRITTEN NOTICE OR STOP WORK ORDER.
8. PERMANENT EROSION CONTROL SHALL BE PLACED AND ESTABLISHED WITH 90% COVERAGE ON ALL DISTURBED SURFACES OTHER THAN PAVED OR GRAVEL SURFACES. PRIOR TO FINAL INSPECTION, PERMANENT EROSION CONTROL SHALL BE FULLY ESTABLISHED PRIOR TO FINAL ACCEPTANCE. TEMPORARY EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT MEASURES ARE ESTABLISHED.
9. THE CITY AIR POLLUTION CONTROL DISTRICT (APCD) MAY HAVE ADDITIONAL PROJECT SPECIFIC EROSION CONTROL REQUIREMENTS. THE CONTRACTOR, DEVELOPER, AND ENGINEER OF WORK SHALL BE RESPONSIBLE FOR MAINTAINING SELF REGULATION OF THESE REQUIREMENTS.



North arrow, scale bar (1" = 30'), and USA NORTH 811 logo with 'Call 811 Before You Dig' text.

Regulatory Agency Approval

BID SET NOT FOR CONSTRUCTION

DSA: 01-120466 / File: 43-7

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Professional Engineer Seal for Thomas R. Cremer, State of California, License No. C-61552, Exp. 6/30/23.

Architect Seal

Project Title: PIEDMONT MIDDLE SCHOOL, 955 PIEDMONT ROAD, SAN JOSE, CA 95132. NEW MODULAR GYMNASIUM & SITE WORK INCREMENT 1

Client: BERRYESSA UNION SCHOOL DISTRICT, 1376 PIEDMONT RD, SAN JOSE, CA 95132

Table with 3 columns: No, Revisions/Submissions, Date. Rows include DSA Submittal V1 (10/06/2022) and Addendum #2 (11/23/2022).

Drawing Title

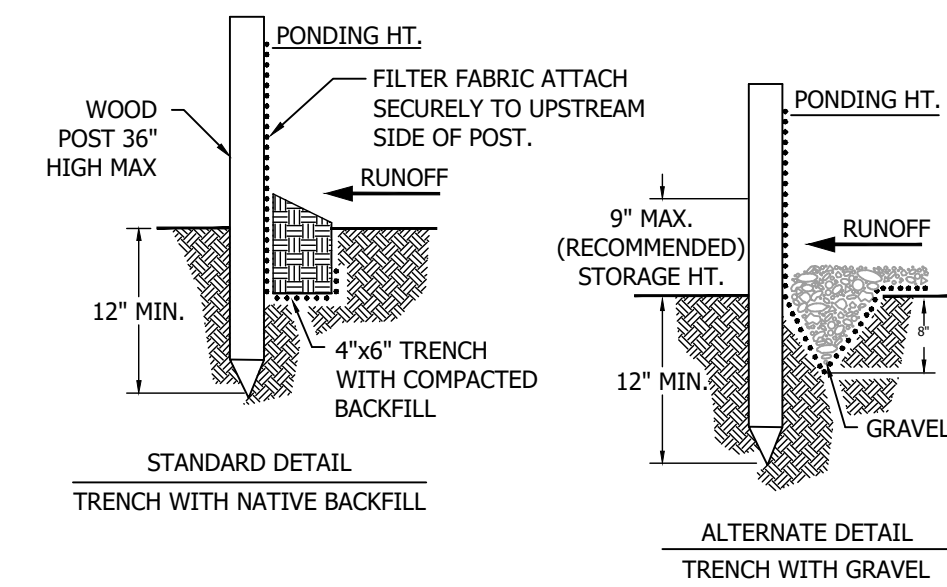
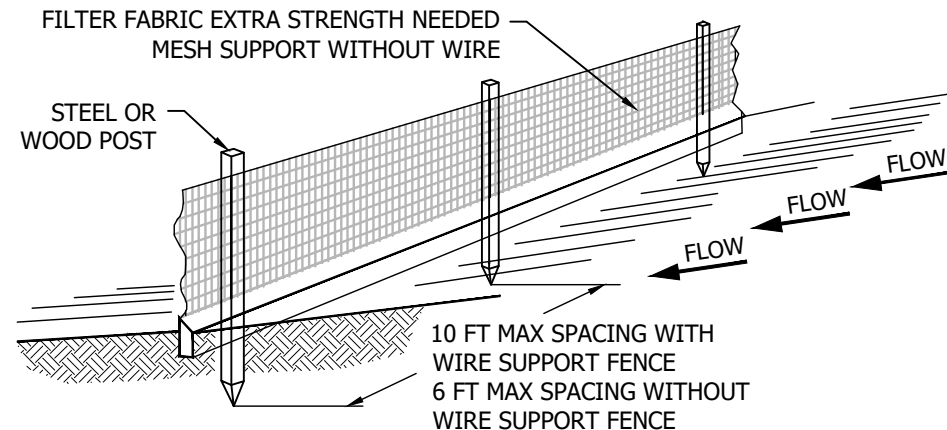
EROSION CONTROL PLAN

Project No. 2106 Date September 12, 2022

Drawing Number CD AD2-C6.1

NOTE:

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.



1 SILT FENCE

Scale: NTS

CONSTRUCTION SPECIFICATIONS

THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES. STORAGE HEIGHT SHALL NEVER EXCEED 18". THE FENCE LINE SHALL FOLLOW THE CONTOUR AS CLOSELY AS POSSIBLE.

IF POSSIBLE, THE FILTER FABRIC SHALL BE CUT FROM A CONTINUOUS ROLL TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP AND BOTH ENDS SECURELY FASTENED TO THE POST.

POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET. TURN THE ENDS OF THE FENCE UPHILL.

A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 6 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.

WHEN STANDARD-STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.

THE STANDARD-STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 6 INCHES OF THE FABRIC SHALL EXTEND INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.

WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS.

THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE TOE OF THE FILTER FABRIC.

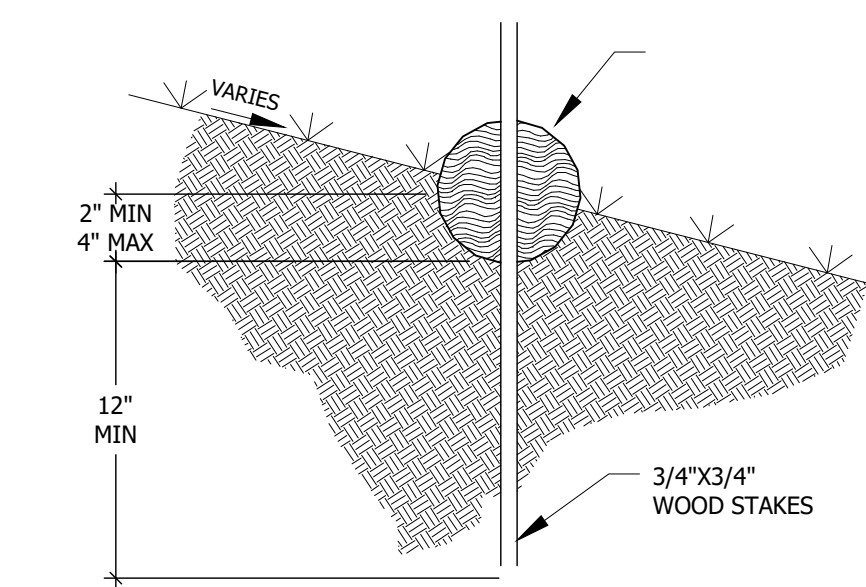
SILT FENCES PLACED AT THE TOE OF A SLOPE SHALL BE SET AT LEAST 6 FEET FROM THE TOE IN ORDER TO INCREASE PONDING VOLUME.

SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED, AND ANY SEDIMENT STORED BEHIND THE SILT FENCE HAS BEEN REMOVED.

INSPECTION AND MAINTENANCE

SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED WEEKLY AND AFTER EACH SIGNIFICANT STORM (1" IN 24 HR.). ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/3 HEIGHT OF THE FENCE OR 9 INCHES MAXIMUM.

THE REMOVED SEDIMENT SHALL VEGETATE OR OTHERWISE STABILIZED.



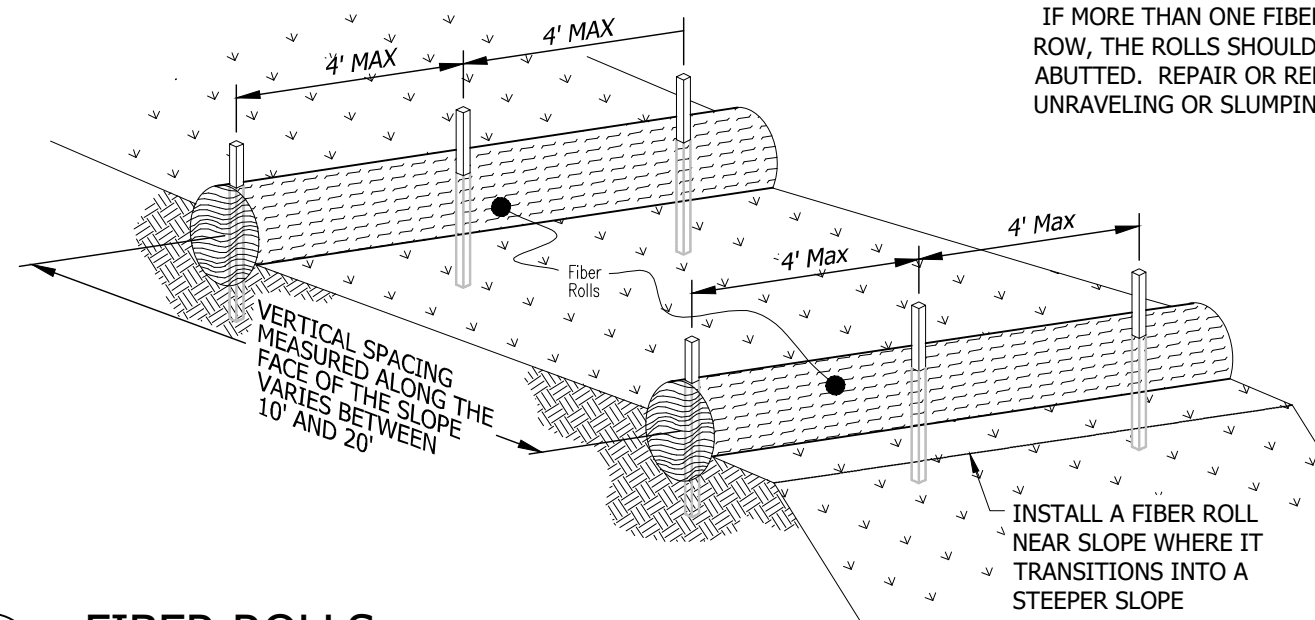
LOCATE FIBER ROLLS ON LEVEL CONTOURS SPACED AS FOLLOWS:

- SLOPE INCLINATION OF 4:1 (H:V) OR FLATTER: FIBER ROLLS SHOULD BE PLACED AT A MAXIMUM INTERVAL OF 20 FT.
- SLOPE INCLINATION BETWEEN 4:1 AND 2:1 (H:V) FIBER ROLLS SHOULD BE PLACED AT A MAXIMUM INTERVAL OF 15 FT. (A CLOSER SPACING IS MORE EFFECTIVE).
- SLOPE INCLINATION OF 2:1 (H:V) OR GREATER: FIBER ROLLS SHOULD BE PLACED AT A MAXIMUM INTERVAL OF 10 FT. (A CLOSER SPACING IS MORE EFFECTIVE).

TURN THE ENDS OF THE FIBER ROLL UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND THE ROLL. STAKE FIBER ROLLS INTO A 2 TO 4 IN. DEEP TRENCH WITH A WIDTH EQUAL TO THE DIAMETER OF THE FIBER ROLL.

- DRIVE STAKES AT THE END OF EACH FIBER ROLL AND SPACED 4 FT MAXIMUM ON CENTER.
- USE WOOD STAKES WITH A NOMINAL CLASSIFICATION OF 0.75 BY 0.75 IN. AND A MINIMUM LENGTH OF 24 IN.

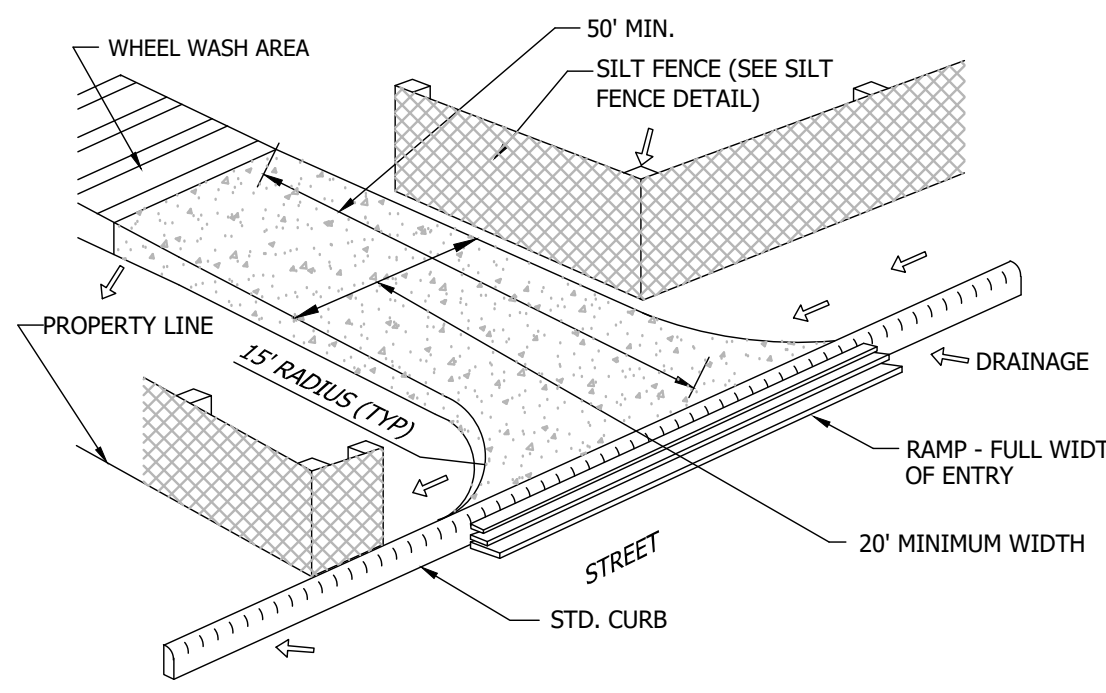
IF MORE THAN ONE FIBER ROLL IS PLACED IN A ROW, THE ROLLS SHOULD BE OVERLAPPED, NOT ABUTTED. REPAIR OR REPLACE SPLIT, TORN, UNRAVELING OR SLUMPING FIBER ROLLS.



NOTE: INSTALL FIBER ROLL ALONG A LEVEL CONTOUR

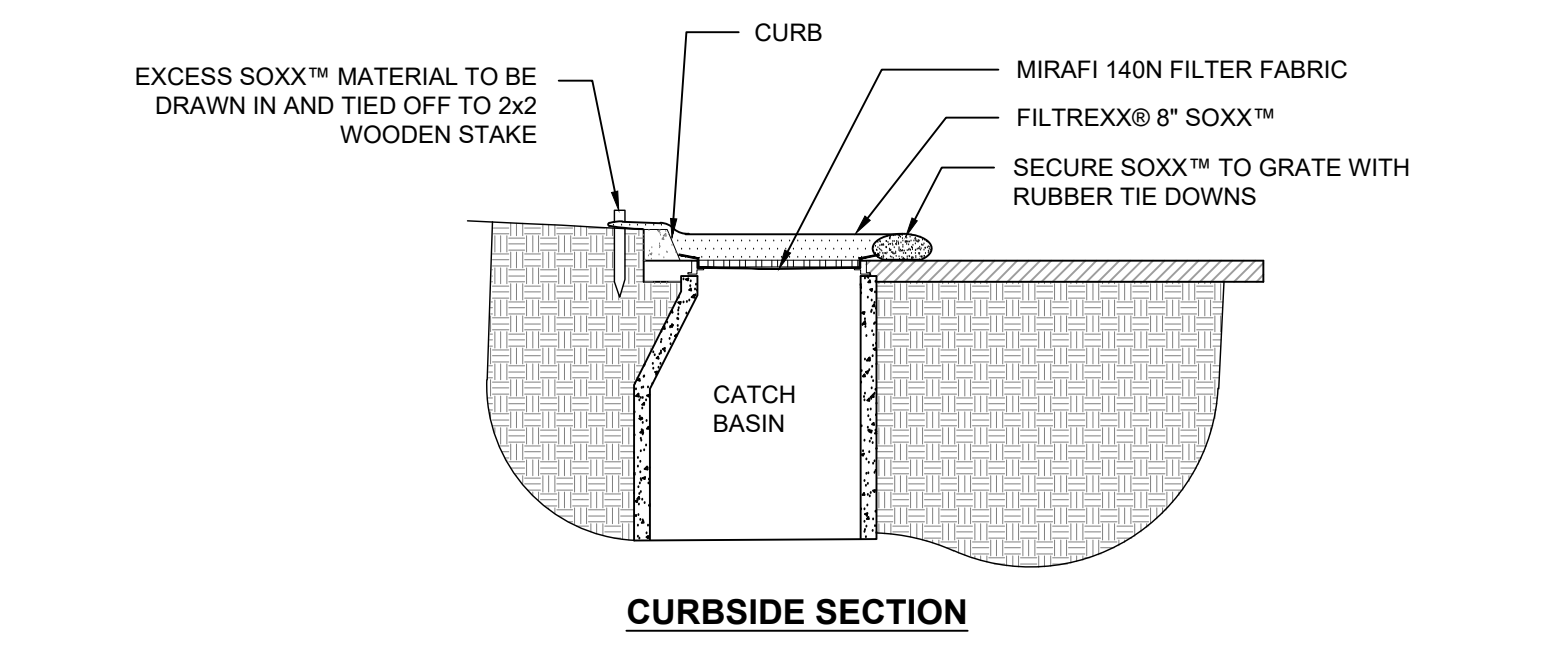
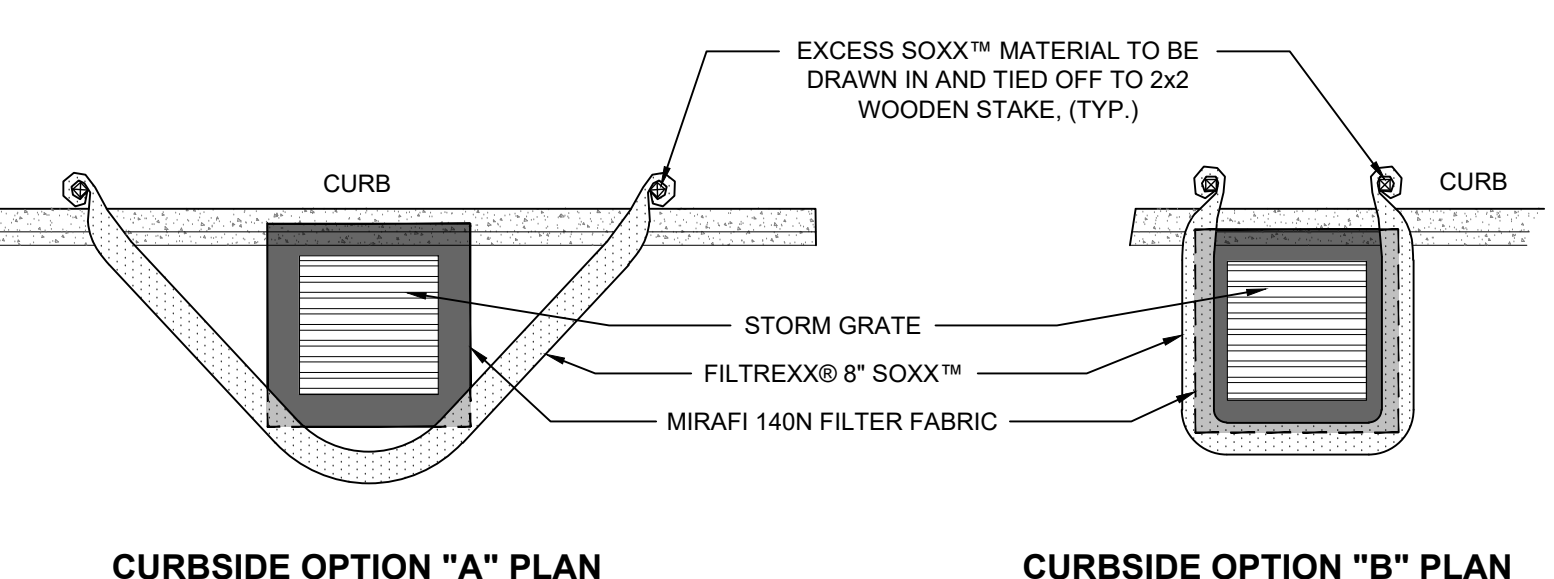
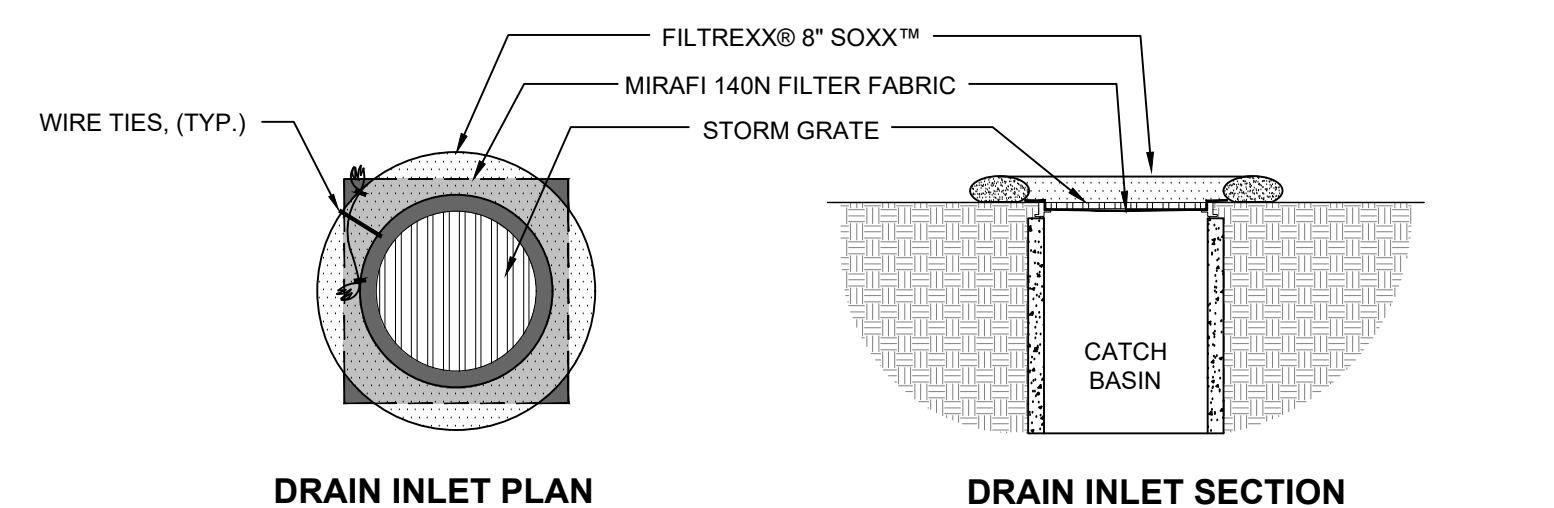
2 FIBER ROLLS

Scale: NTS



3 ROCKED CONSTRUCTION ENTRANCE

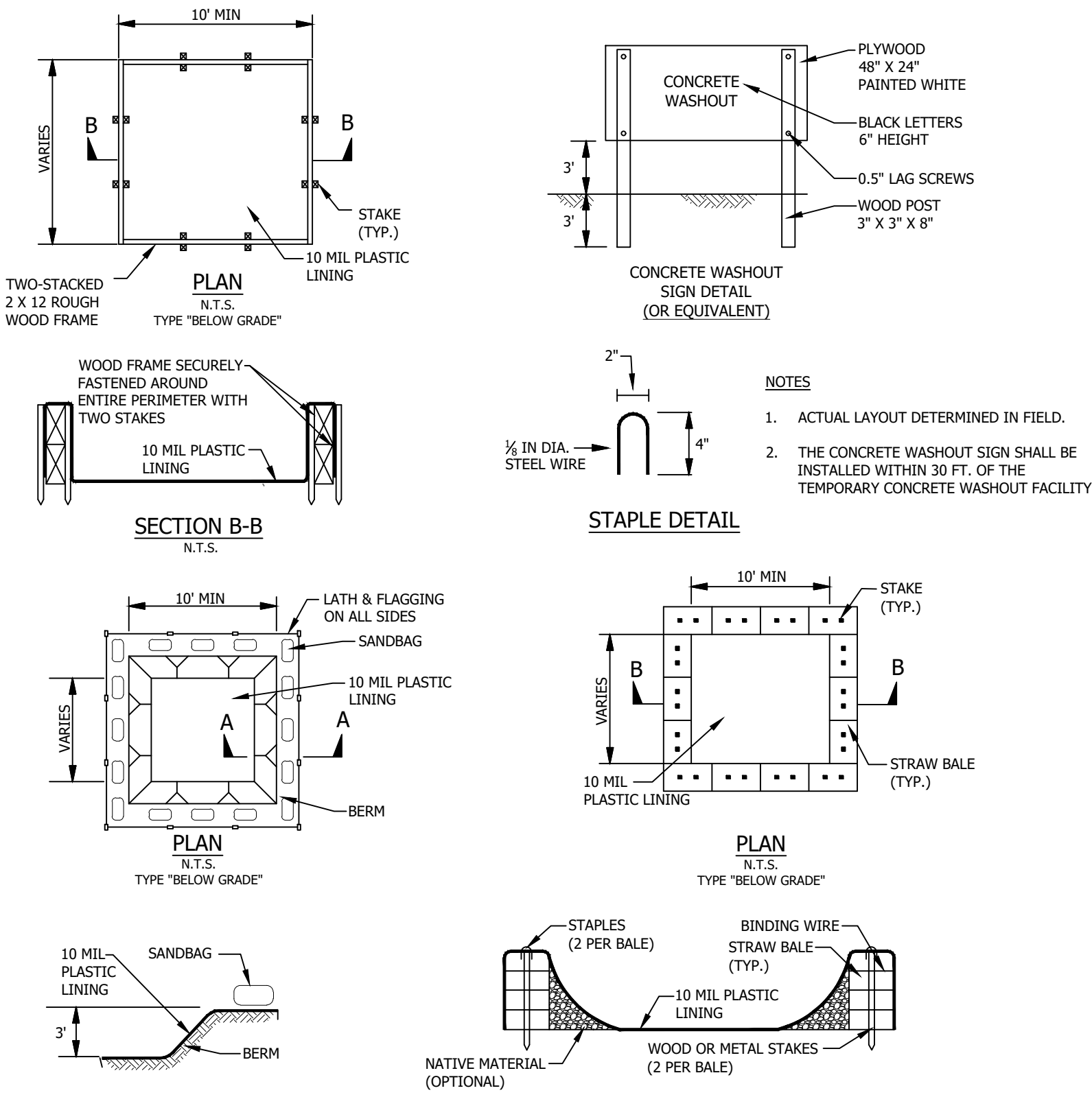
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- NOTES:**
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
 2. FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS.
 3. COMPOST MATERIAL TO BE DISPersed ON SITE, AS DETERMINED BY ENGINEER.
 4. CONTRACTOR SHALL EXTEND MIRAFI 140N FABRIC 6" BEYOND CATCH BASIN AFTER PLACEMENT OF GRATE.
 5. CONTRACTOR SHALL REMOVE ALL FILTER FABRIC FROM ALL STORM DRAIN INLETS UPON COMPLETION OF PROJECT.

4 FILTREXX® INLET PROTECTION

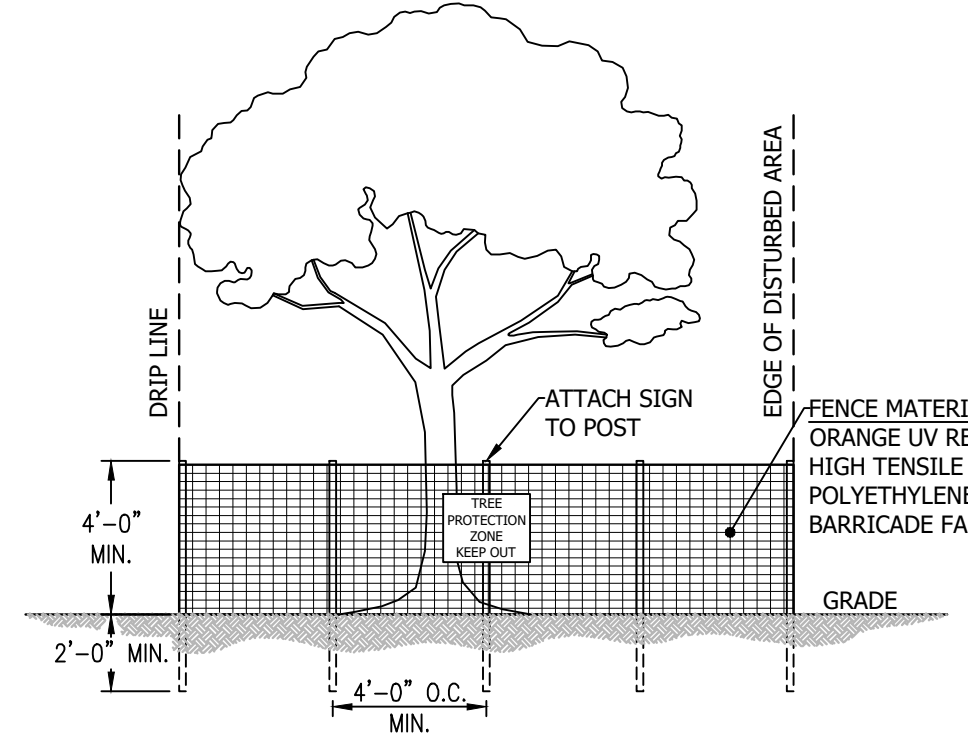
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- NOTES:**
1. ACTUAL LAYOUT DETERMINED IN FIELD.
 2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

5 CONCRETE WASHOUT

Scale: NTS



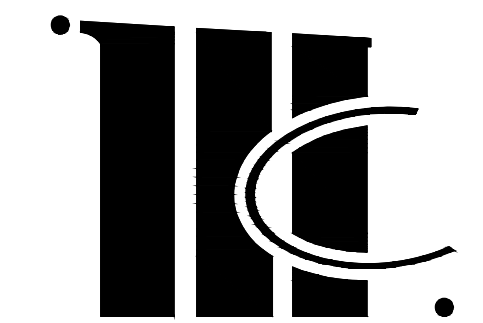
- NOTES:**
1. ALL PLANTS DESIGNATED TO BE SAVED SHALL BE PROTECTED BY FENCING.
 2. INSTALL TREE PROTECTION FENCE AT TREE DRIP LINE OR AT EDGE OF DISTURBED AREA, AS SHOWN ON PLANS PRIOR TO START OF CONSTRUCTION.
 3. SPACE TREE PROTECTION ZONE SIGNS AT A MINIMUM OF ONE EVERY 30 FEET. SIGN MUST BE A MINIMUM OF 2'X2' AND BE VISIBLE FROM BOTH SIDES OF THE FENCE. SIGN SHALL READ "TREE PROTECTION ZONE, KEEP OUT", IN BOTH ENGLISH AND SPANISH.
 4. THERE SHALL BE NO STORAGE OF MATERIAL WITHIN THE BOUNDARIES OF THE TREE PROTECTION ZONE.
 5. TREE PROTECTION FENCING SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.

6 TREE PROTECTION

Scale: NTS

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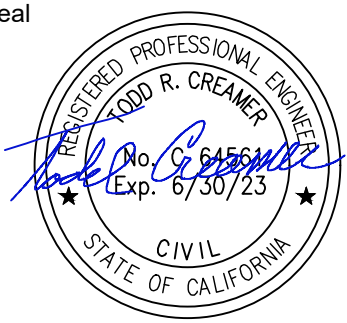


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Architect Seal

Project Title

PIEDMONT MIDDLE SCHOOL
955 PIEDMONT ROAD
SAN JOSE, CA 95132
NEW MODULAR GYMNASIUM & SITE WORK INCREMENT 1

Client

BERRYESSA UNION SCHOOL DISTRICT
1376 PIEDMONT RD
SAN JOSE, CA 95132

No	Revisions/Submissions	Date
	DSA Submittal V1	10/06/2022
	Addendum #2	11/23/2022

Drawing Title

EROSION CONTROL DETAILS

Project No. 2106 Date September 12, 2022

Drawing Number
CD AD2-C6.2

GENERAL CONSTRUCTION NOTES

- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. LISTED AND LABELED FOR THE APPLICATION.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY THIS CONTRACT WORK.
- CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND ALLOW FOR ALL FIELD CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL OBTAIN INFORMATION AND BE FAMILIAR WITH ALL OTHER TRADES WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN OTHER TRADES ON PROJECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY AND PERSONAL, PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.
- CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL AT THE CONCLUSION OF THE PROJECT PROVIDE ACCURATE "AS-BUILT" DRAWINGS ACCEPTABLE TO THE ARCHITECT.
- ALL MATERIALS PROVIDED TO THE PROJECT SHALL BE NEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
- CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.
- CONTRACTOR SHALL PROVIDE ALL REQUIRED "CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS" NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT START OF WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECTS PAINTING SECTION FOR REQUIREMENTS.
- ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUITS RUN INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING, CAULKED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING UNLESS OTHERWISE NOTED ON DRAWINGS.
- ALL CONDUITS UNLESS OTHERWISE NOTED ON DRAWINGS SHALL HAVE AS A MINIMUM: TWO (2) #12s WITH ONE (1) #12 GROUND. "TICK" MARKS SHOWN ON CIRCUITRY ARE FOR ROUGH ESTIMATING ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE.
- ALL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS. SHARED NEUTRALS ON MULTIWIRE CIRCUITS IS NOT ALLOWED.
- COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID CONFLICTS.
- CONTRACTOR SHALL PROVIDE IN EVERY NEW EMPTY CONDUIT A DRAW STRING FOR USE IN FUTURE CONSTRUCTION.
- ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. CUT AND PATCH EXISTING WALLS WHERE NECESSARY. WHERE IT IS NECESSARY TO CUT OR BORE EXISTING STRUCTURAL WALLS FOR NEW ELECTRICAL WORK OBTAIN PERMISSION FROM THE ARCHITECT PRIOR TO STARTING WORK. REUSE EXISTING CONDUIT WHERE POSSIBLE.
- WHERE IT IS NOT POSSIBLE TO REUSE EXISTING CONDUIT OR RUN NEW CONCEALED CONDUIT USE NON-METALLIC SURFACE RACEWAY AND BOXES. ROUTING OF ALL NON-METALLIC RACEWAYS SHALL BE APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
- EXTENSION RINGS OR RESET BOXES TO BE FLUSH WITH NEW WALL THICKNESS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO EXISTING UNDERGROUND SYSTEMS (GAS, WATER, TELEPHONE, ELECTRICAL, SEWER, ETC.). THE CONTRACTOR SHALL REPAIR & PAY ALL EXPENSES FOR DAMAGE TO EXISTING UNDERGROUND SYSTEMS AS A RESULT OF NEW WORK. REPAIR TO DAMAGED UNDERGROUND SYSTEMS SHALL BE TO THE OWNERS SATISFACTION WITHOUT EXTRA EXPENSE TO THE OWNER.
- EXISTING WIRING SHOWN HAS BEEN TAKEN FROM OLD PLANS AND IS ASSUMED TO BE CORRECT. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND MAKE ADJUSTMENTS TO SUIT ACTUAL CONDITIONS AND TO MEET THE INTENT OF THE CONTRACT DOCUMENTS.
- WHERE NON-METALLIC SHEATHED CONDUCTORS ARE FOUND, THE CONTRACTOR SHALL REMOVE TO FULLEST EXTENT PER THE GENERAL DEMOLITION NOTES AND REPLACE WITH CONDUIT. METAL CLAD CABLE WILL BE PERMITTED ON A CASE-BY-CASE BASIS ONLY BY WRITTEN APPROVAL FROM THE ARCHITECT.
- ALL INSTALLATION OF EXPOSED SURFACE MOUNTED RACEWAY IN PUBLIC AREAS SHALL BE REVIEWED BY ARCHITECT BEFORE ROUGH-IN. CONTRACTOR IS TO DETERMINE THE ACCESSIBILITY OF ATTIC, FURRED SPACE, HOLLOW MULLIONS, ETC. IN EACH AREA AND REVIEW WITH ARCHITECT. IF SYSTEM CAN BE ROUTED CONCEALED EITHER BY FISHING OR ACCESSIBILITY, CONTRACTOR IS TO DO SO. IF INACCESSIBILITY IS DETERMINED, CONTRACTOR SHALL INSTALL SURFACE MOUNTED RACEWAY. IN THE MOST AESTHETICALLY PLEASING MEANS AS DETERMINED BY THE ARCHITECT. NO ALLOWANCE FOR ADDITIONAL COMPENSATION DUE TO ROUTING AS DIRECTED BY THE ARCHITECT WILL BE MADE.
- CONTRACTOR SHALL COORDINATE WITH PG&E & PAY ALL CHARGES FOR TEMPORARY CONSTRUCTION POWER.
- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES AND OBTAIN UTILITY COMPANY CONSTRUCTION DOCUMENTS. UTILITY COMPANY CHARGES SHALL BE PAID BY OWNER.

ELECTRICAL SYMBOLS & ABBREVIATIONS

SYMBOLS & ABBREVIATIONS SHOWN ARE FOR GENERAL USE. DISREGARD THOSE WHICH DO NOT APPEAR ON THE PLANS.

	FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE		SECURITY DOOR CONTACTS		PANELBOARD - FLUSH MOUNTED		DETAIL NOTE REFERENCE SYMBOL SEE ASSOCIATED NOTE ON SAME DETAIL
	EMERGENCY OR NIGHT LIGHT		SECURITY MOTION DETECTOR		EQUIPMENT PANEL - FLUSH MOUNTED		DETAIL NUMBER DETAIL OR SECTION REFERENCE SHEET NUMBER
	STRIP FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE		CCTV CAMERA		PANELBOARD - SURFACE MOUNTED		FEEDER DESIGNATION: SEE ASSOCIATED NOTE ON SAME DETAIL
	RECESSED WALL WASHER		SECURITY SYSTEM KEYPAD		EQUIPMENT PANEL - SURFACE MOUNTED		INDICATES QUANTITY OF TELEPHONE OUTLETS
	LUMINAIRE - SURFACE MOUNTED - SEE SCHEDULE		DOOR BELL PUSHBUTTON		METER W/ CURRENT TRANSFORMER		INDICATES QUANTITY OF DATA OUTLETS
	LUMINAIRE - POLE OR POST MOUNTED - SEE SCHEDULE		DOOR CHIME WITH LED		JUNCTION BOX - CEILING OR WALL MOUNTED, SIZE PER CODE, TAPE AND TAG WIRES		
	LUMINAIRE - WALL MOUNTED SEE SCHEDULE		RECEPTACLE - DUPLEX *		MOTOR CONNECTION		
	BOLLARD OR PATH LIGHT - SEE SCHEDULE		DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT		NON-FUSED DISCONNECT SWITCH		
	EXIT LIGHT - DIRECTIONAL ARROWS AS INDICATED - SEE SCHEDULE		GFCI CONVENIENCE RECEPTACLE - DUPLEX *		FUSED DISCONNECT SWITCH; FUSED WITH DUAL-ELEMENT FUSES SIZED PER EQUIPMENT MFG'S NAMEPLATE DATA		
	TRACK LIGHTING - SEE SCHEDULE		GFCI CONVENIENCE DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT		COMBINATION STARTER/FUSED DISCONNECT SWITCH; FUSED DISCONNECT SWITCH ELEMENT FUSES SIZED PER EQUIPMENT MFG'S NAMEPLATE DATA		
	EMERGENCY LIGHT		RECEPTACLE DOUBLE DUPLEX *		MAGNETIC STARTER - NEMA SIZE INDICATED NEMA 3R ENCLOSURE UNLESS OTHERWISE SPECIFIED		
	DIGITAL DUAL TECHNOLOGY OCC. SENSOR		HALF SWITCHED DUPLEX RECEPTACLE *		CIRCUIT BREAKER		
	LIGHTING CONTROL OCCUPANCY SENSOR CORNER MOUNTED		SINGLE RECEPTACLE *		GROUND ROD WITH GROUNDWELL BOX		
	DIMMER ROOM CONTROLLER		DUPLEX RECEPTACLE - CEILING MOUNTED		GROUND ELECTRODE		
	PLUG LOAD CONTROLLER		LETTER INDICATES DUPLEX HALF CONTROLLED RECEPTACLE *		NORMALLY OPEN CONTACT		
	ROOM LIGHTING CONTROLLER		LETTER INDICATES DUPLEX FULLY CONTROLLED RECEPTACLE *		NORMALLY CLOSED CONTACT		
	LIGHTING CONTROL PANEL		FLOOR MOUNTED DUPLEX RECEPTACLE		TRANSFORMER - SEE SINGLE LINE FOR SIZE		
	DIGITAL DAYLIGHT SENSOR		FLOOR MOUNTED BOX		PULLBOX		
	SINGLE POLE SWITCH **		POWER OUTLET - SEE PLANS FOR NEMA TYPE *		FLEX CONDUIT WITH CONNECTION		
	SINGLE POLE SWITCH **, a = CIRCUIT CONTROLLED		POWER POLE		CONDUIT - UP		
	THREE WAY SWITCH **		WALL TELEPHONE OUTLET **		CONDUIT - DOWN		
	FOUR WAY SWITCH **		VOICE/DATA WALL OUTLET *		CONDUIT EMERGENCY SYSTEM		
	MANUAL MOTOR STARTER		SURFACE MOUNTED VOICE/DATA WALL OUTLET *		LOW VOLTAGE WIRING		
	KEY OPERATED SWITCH **		SURFACE MOUNTED VOICE/DATA WALL OUTLET * ABOVE COUNTER - FIELD VERIFY HEIGHT		SURFACE METAL OR NON-METALLIC RACEWAY		
	LIGHTING DIMMER **		WIRELESS ACCESS POINT (WAP) - CEILING MOUNTED		CONDUIT - EXISTING		
	DIGITAL ON/OFF SWITCH **		WIRELESS ACCESS POINT (WAP) - WALL MOUNTED - FIELD VERIFY HEIGHT		CONDUIT - BELOW SLAB OR UNDERGROUD: 3/4" MIN.		
	DIGITAL DIMMER SWITCH **		VOICE/DATA OUTLET - FLOOR MOUNTED		CAPPED OR STUB-OUT CONDUIT		
	DIGITAL MULTI SCENE LIGHTING SWITCH **		TV OUTLET *		CONDUIT CONTINUATION		
	DIGITAL DUAL TECHNOLOGY WALL OCC. SENSOR **		VOICE/DATA OUTLET - CEILING MOUNTED		CONDUIT - HOME RUN TO PANEL, TERMINAL CABINET, ETC. RUNS MARKED WITH CROSSHATCHES INDICATE NUMBER OF #12 AWG WIRES WHEN MORE THAN TWO. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE. CROSS HATCHES WITH NUMBER ADJACENT INDICATES WIRE SIZE OTHER THAN #12 AWG.		
	WALL OCCUPANCY SENSOR **		INTERIOR SPEAKERS CEILING MOUNTED		SHEET NOTE REFERENCE SYMBOL: SEE ASSOCIATED NOTE ON SAME SHEET		
	DOUBLE SWITCHED WALL OCCUPANCY SENSOR **		INTERIOR SPEAKERS WALL MOUNTED		SCHEDULE SYMBOL: SEE ASSOCIATED NOTE ON SAME SHEET		
	DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **		CLOCK 48-0' AFF U.O.N. VERIFY BEFORE INSTALLATION				
	2-BUTTON DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **						

* +15" A.F.F. TO BOTTOM OF BOX, U.O.N.
** +48" A.F.F. TO TOP OF BOX, U.O.N.
[#] NUMBER IN BRACKETS DENOTES NUMBER OF CABLE DROPS WHEN MORE THAN (2).

EQUIPMENT ANCHORAGE

- ME/P COMPONENT ANCHORAGE NOTES:**
- ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTION 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 & 30:
- ALL PERMANENT EQUIPMENT AND COMPONENTS.
 - TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRE) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 120 / 220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
 - TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.
- THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED IN THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.
- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
 - COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.
- THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT OF THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.
- PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE**
- PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.
- THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW, WHEN BRACING AND ATTACHMENTS ARE BASED ON PRE-APPROVED INSTALLATION GUIDE (e.g. OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.
- MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):
- MP □ MD □ PP □ E ■ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
MP □ MD □ PP □ E □ - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM #) #

GENERAL DEMOLITION NOTES

- CONTRACTOR SHALL FIELD VERIFY EXTENT OF ELECTRICAL DEMOLITION AND QUANTITIES OF ELECTRICAL TO BE REMOVED AS DICTATED BY THE REQUIREMENTS OF THE PROJECT.
- REMOVAL SHALL INCLUDE WIRING, RACEWAY, BOXES, SWITCHES, LIGHT FIXTURES, ETC. AS INDICATED ON THE PLANS AND AS REQUIRED BY THESE DEMOLITION NOTES.
- RACEWAYS ASSOCIATED WITH ELECTRICAL BEING DEMOLISHED WHICH ARE CONCEALED IN EXISTING REMAINING WALLS MAY BE ABANDONED IN PLACE. REMOVE WIRING FROM CONDUIT.
- RACEWAYS ASSOCIATED WITH ELECTRICAL BEING DEMOLISHED WHICH ARE EXPOSED SHALL BE REMOVED.
- WHERE REMOVAL OF EQUIPMENT OR WIRING IS INDICATED, IT SHALL INCLUDE ALL ASSOCIATED WIRING BACK TO LAST ACTIVE REMAINING OUTLET, DEVICE, FIXTURE OR PANEL.
- ELECTRICAL CONTRACTOR SHALL INSURE THAT ALL REMAINING ACTIVE CIRCUITS, DEVICES, OUTLETS, LIGHT FIXTURES, ETC. HAVE NOT BEEN DISCONNECTED OR MADE INOPERATIVE DURING DEMOLITION. ELECTRICAL CONTRACTOR SHALL RESTORE ALL INTERRUPTED OR DISCONNECTED CIRCUITS TO OPERATION.
- ELECTRICAL CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL REMOVED ELECTRICAL EQUIPMENT AND MATERIAL.
- NO REMOVED EQUIPMENT OR MATERIAL SHALL BE REUSED AS PART OF NEW WORK, U.O.N.
- EXISTING REMAINING CONCEALED RACEWAYS MAY BE REUSED FOR NEW WORK PROVIDED THEY MEET ALL REQUIREMENTS OF THE SPECIFICATION FOR NEW WORK.
- EXISTING FLUSH OUTLETS MAY BE REUSED FOR NEW WORK PROVIDED THEY MEET ALL REQUIREMENTS OF THE SPECIFICATION FOR NEW WORK. MEET THE REQUIREMENTS OF THE CURRENT C.E.C. FOR VOLUME AND COINCIDE WITH LOCATION SHOWN FOR THE NEW WORK.
- FLUSH OUTLET BOXES IN EXISTING WALLS TO REMAIN MAY BE ABANDONED IN PLACE. REMOVE DEVICES AND WIRING, PLUG OPENING AND PROVIDE AND INSTALL A BLANK DEVICE PLATE.
- EXISTING WIRING SHOWN HAS BEEN TAKEN FROM OLD PLANS AND IS ASSUMED TO BE CORRECT. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND MAKE ADJUSTMENTS TO SUIT ACTUAL CONDITIONS AND TO MEET THE INTENT OF THE CONTRACT DOCUMENTS.
- WHERE TELEPHONE, COMPUTER DATA, FIBER OPTICS, FIRE ALARM OR OTHER COMMUNICATIONS OUTLETS OR WIRING IS TO BE DEMOLISHED IT SHALL BE REMOVED BACK TO THE NEXT TERMINAL POINT. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER OR HIS REPRESENTATIVE TO HAVE EQUIPMENT AND WIRING DESIGNATED FOR REMOVAL OR PRESERVATION PRIOR TO REMOVAL OF OUTLET BOXES, CONDUIT OR WIRING BY ELECTRICAL CONTRACTOR.
- COORDINATE WITH OWNER PRIOR TO START OF DEMOLITION TO MINIMIZE POWER INTERRUPTIONS. WORK MAY HAVE TO OCCUR DURING NON-REGULAR BUSINESS HOURS. COORDINATE IN WRITING WITH OWNER ONE WEEK PRIOR TO PLANNED POWER INTERRUPTIONS.

APPLICABLE CODES & STANDARDS

- CODES:**
- 2019 CALIFORNIA ADMINISTRATIVE CODE C.C.R., TITLE 24, PART 1.
 - 2019 CALIFORNIA BUILDING CODE (CBC) C.C.R., TITLE 24, VOL. 1 & 2 BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC) WITH CALIFORNIA AMENDMENTS.
 - 2019 CALIFORNIA ELECTRICAL CODE (CEC) C.C.R., TITLE 24, PART 3 BASED ON THE 2017 NATIONAL ELECTRICAL CODE (NEC) WITH CALIFORNIA AMENDMENTS.
 - 2019 CALIFORNIA MECHANICAL CODE (CMC) C.C.R., TITLE 24, PART 4 BASED ON THE 2018 UNIFORM MECHANICAL CODE (UMC) WITH CALIFORNIA AMENDMENTS.
 - 2019 CALIFORNIA PLUMBING CODE (CPC) C.C.R., TITLE 24, PART 5 BASED ON THE 2018 UNIFORM PLUMBING CODE (UPC) WITH CALIFORNIA AMENDMENTS.
 - 2019 CALIFORNIA ENERGY CODE C.C.R., TITLE 24, PART 6.
 - 2019 CALIFORNIA FIRE CODE (CFC) C.C.R., TITLE 24, PART 9 BASED ON THE 2018 INTERNATIONAL FIRE CODE (IFC) WITH CALIFORNIA AMENDMENTS.
 - 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE C.C.R., TITLE 24, PART 11.
 - 2019 CALIFORNIA REFERENCED STANDARDS CODE C.C.R., TITLE 24, PART 12.
 - TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
 - NATIONAL FIRE ALARM CODE (NFPA 72) 2016.
- STANDARDS:**
- AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
 - ELECTRONICS INDUSTRIES ASSOCIATION (EIA)
 - INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
 - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
 - NATIONAL ELECTRICAL TESTING ASSOCIATION (NETA)
 - UNDERWRITER LABORATORIES (UL)
 - CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT STANDARDS (CAL/OSHA)

SHEET INDEX

- | | |
|------|---|
| E0.1 | SYMBOLS, ABBREVIATIONS, CODES, STANDARDS, NOTES & SHEET INDEX. |
| E1.1 | ELECTRICAL SINGLE LINE DIAGRAM, DETAILS & CONTRACTOR RESPONSIBILITY MATRIX. |
| E1.2 | ELECTRICAL SINGLE LINE DIAGRAM & DETAILS. |
| E2.1 | OVERALL ELECTRICAL SITE PLAN. |
| E2.2 | PARTIAL ELECTRICAL SITE PLAN. |

SCOPE OF WORK

INSTALL NEW CONDUITS/UNDERGROUND INFRASTRUCTURE FOR POWER/SYSTEMS UNDER INCREMENT 1 FROM EXISTING CAMPUS HEAD-END TO NEARBY LOCATION OF MODULAR GYMNASIUM BUILDING PER INCREMENT 2.

Project Title
PIEDMONT MIDDLE SCHOOL
955 PIEDMONT ROAD
SAN JOSE, CA 95132
NEW MODULAR GYMNASIUM & SITE WORK INCREMENT 1

Client
BERRYESSA UNION SCHOOL DISTRICT
1376 PIEDMONT RD
SAN JOSE, CA 95132

No	Revisions/Submissions	Date
	DSA Submittal V1	10/06/2022

Drawing Title
SYMBOLS, ABBREVIATIONS, CODES, STANDARDS, NOTES & SHEET INDEX

Project No. 2106 Date September 12, 2022

Drawing Number
CD AD2-E0.1

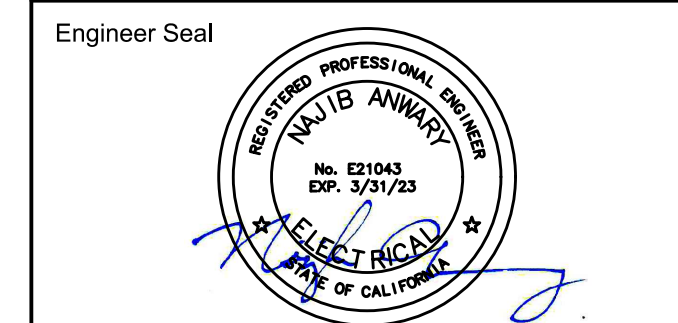


AURUM CONSULTING ENGINEERS
MONTEREY BAY, INC.

Project No. 21-519.02

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Engineer Seal
Architect Seal



Project No. 21-519.02
 No. E31043
 Exp. 3/31/23
 PROFESSIONAL SEAL
 STATE OF CALIFORNIA
 ELECTRICAL ENGINEER

Engineer Seal

Architect Seal

Project Title

PIEDMONT MIDDLE SCHOOL
 955 PIEDMONT ROAD
 SAN JOSE, CA 95132
NEW MODULAR GYMNASIUM & SITE WORK INCREMENT 1

Client

BERRYESSA UNION SCHOOL DISTRICT
 1376 PIEDMONT RD
 SAN JOSE, CA 95132

No	Revisions/Submissions	Date
	DSA Submittal V1	10/06/2022

Drawing Title

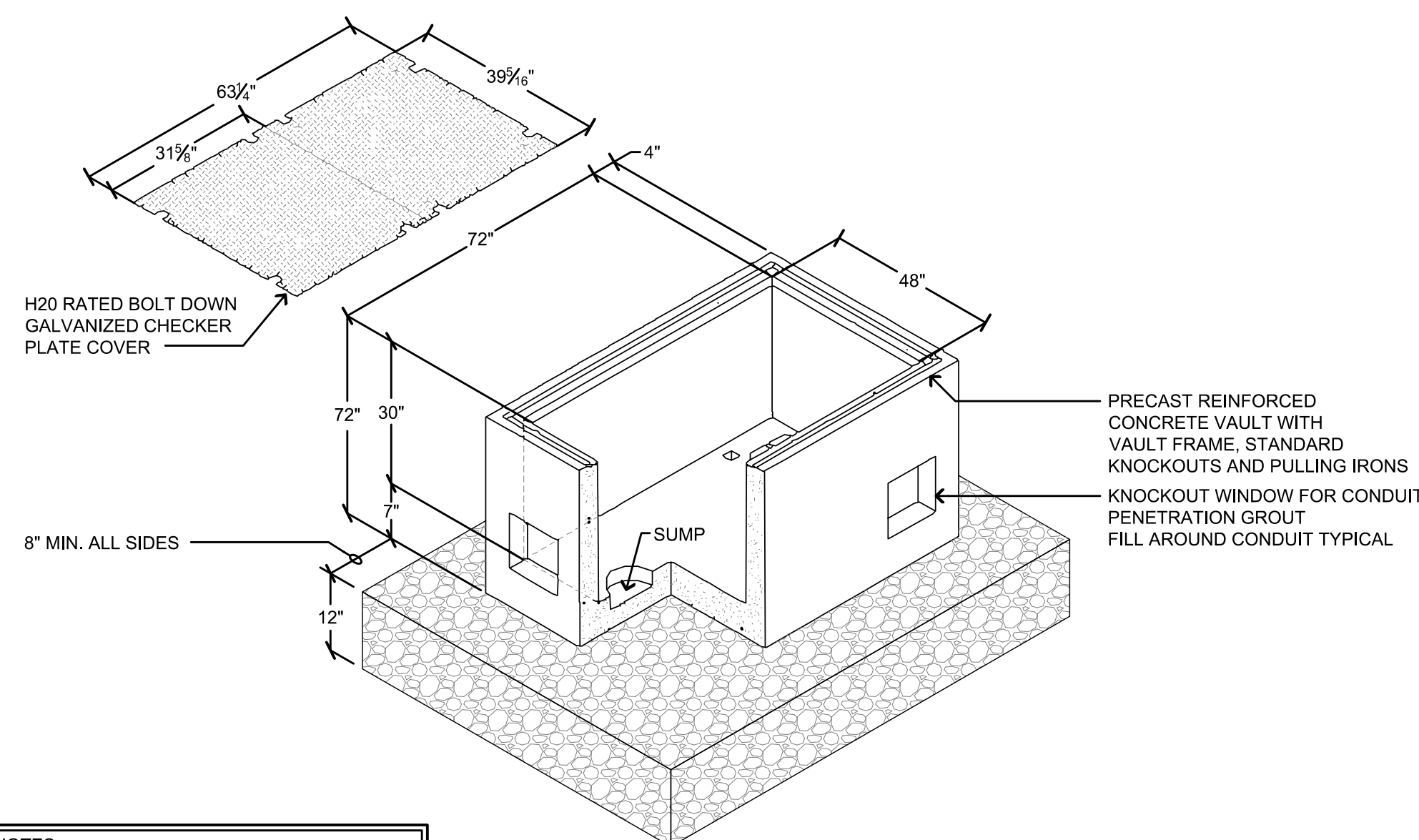
ELECTRICAL SINGLE LINE DIAGRAM, DETAILS & CONTRACTOR RESP. MATRIX

Project No. 2106 Date September 12, 2022

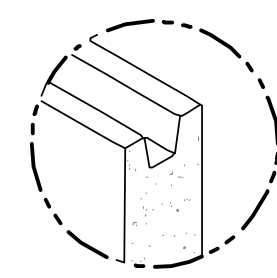
Drawing Number
CD AD2-E1.1

CONTRACTOR RESPONSIBILITY MATRIX

System	Design	Building				Site			
		Rough-in	Wiring	Furnishing of Equipment / Devices	Installation of Equipment / Devices	Rough-in	Wiring	Furnishing of Equipment / Devices	Installation of Equipment / Devices
Electrical - building	JLC	JLC	JLC	JLC	JLC				
Electrical - Site	District/JLM					Site Contractor	JLC		
MSB breaker								JLC	JLC
Fire Alarm	JLC	JLC	JLC	JLC	JLC	Site Contractor	Site Contractor	Site Contractor	Site Contractor
Clock/Speaker System	JLC	JLC	JLC	JLC	JLC	Site Contractor	Fiber*	Fiber*	Fiber*
Tel-Data Outlets	JLC	JLC	JLC	JLC	JLC	Site Contractor	Fiber*	Fiber*	Fiber*
AV	JLC	JLC	Future	Future	Future	Site Contractor	Fiber*	Fiber*	Fiber*
Intrusion Alarm	JLC	JLC	District	District	District	Site Contractor	District	District	District
Security Cameras	JLC	JLC	JLC	JLC	JLC	Site Contractor	Fiber*	Fiber*	Fiber*
Energy Control System		District	District	District	District	Site Contractor	District	District	District



- NOTES:**
- USE GRADE RINGS AS REQUIRED TO SET DEPTH OF VAULT TO GRADE.
 - BASE MATERIAL TO BE REPLACED TO THE DEPTH OF EXISTING BASE AND COMPACTED TO A MIN. 95% RELATIVE COMPACTION. A.C. MAY BE SUBSTITUTED FOR BASE MATERIAL. WHEN USED AS BACKFILL, CLASS 100-E-100 P.C.C. MAY BE SUBSTITUTED FOR BASE MATERIAL.

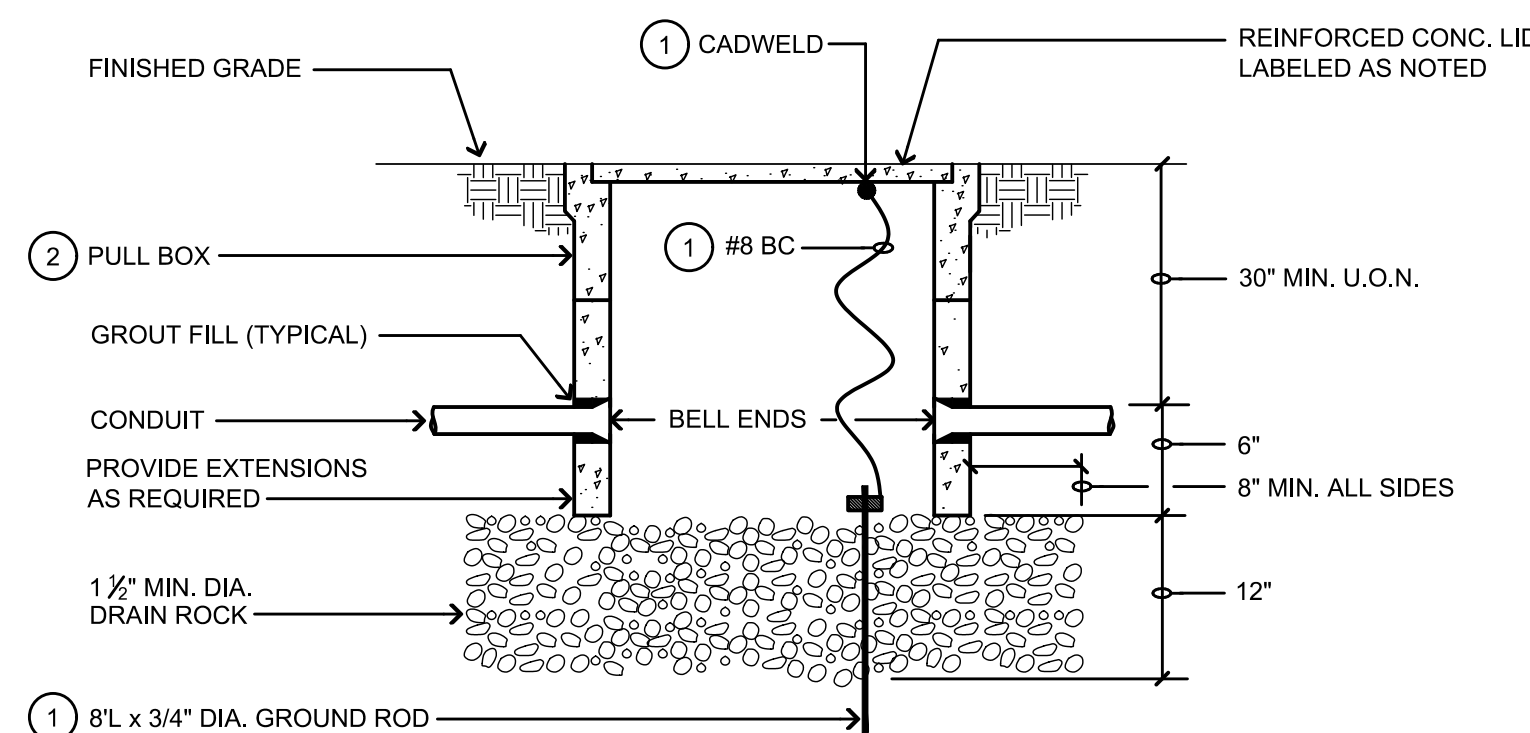


GROOVED TO RECEIVE TOUNGE OF GRADE RINGS

6 4' x 6' x 6' UTILITY VAULT

NO SCALE

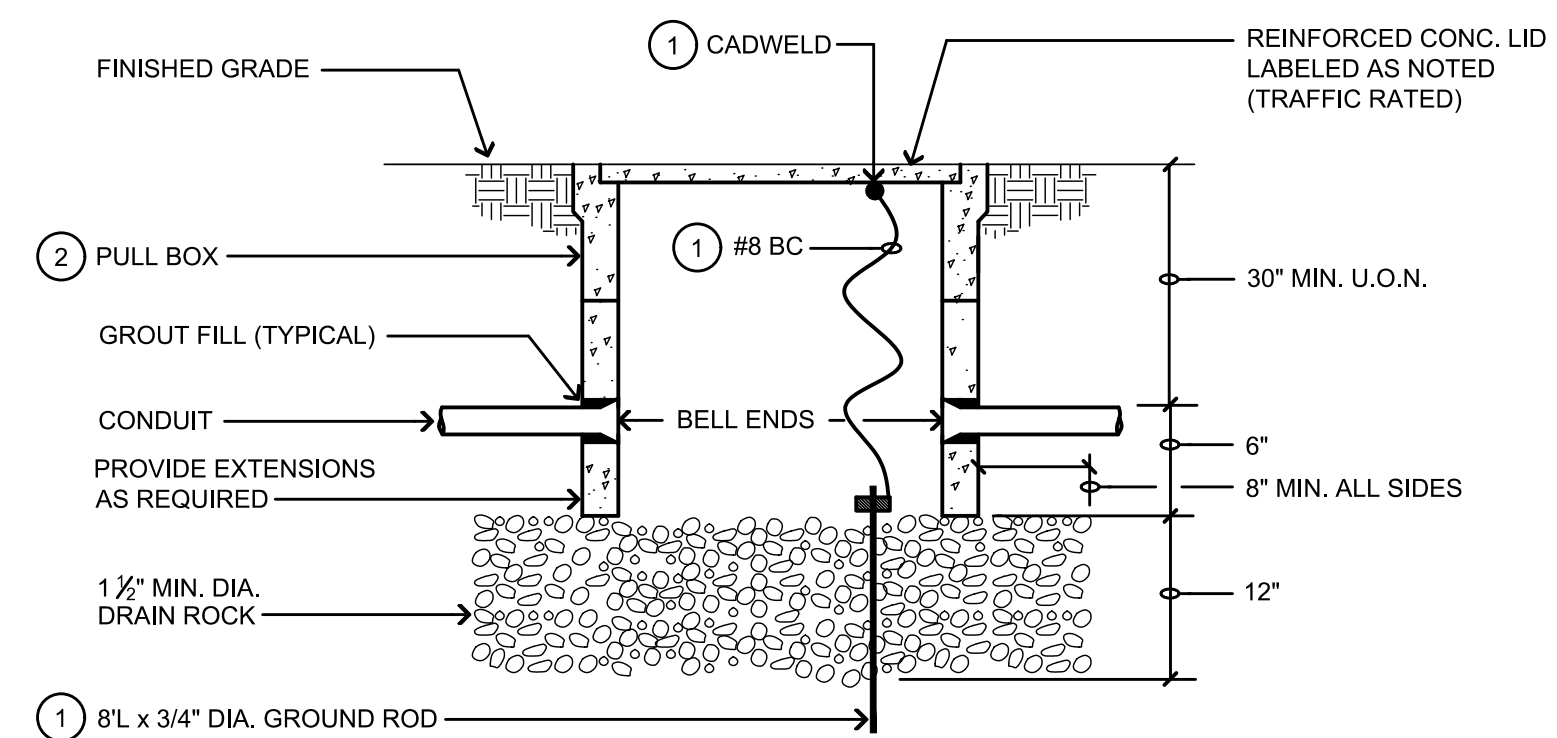
- DETAIL NOTES:**
- FOR BOXES WITH METAL LIDS ONLY, PROVIDE GROUND ROD W/BC CABLE. PROVIDE ENOUGH SLACK TO ALLOW FOR REMOVAL OF LID (120/208 & 277/480V ONLY)
 - SIZE(S) & MFG. AS NOTED ON DRAWINGS.



5 TYPICAL PULLBOX DETAIL (TRAFFIC RATED)

NO SCALE

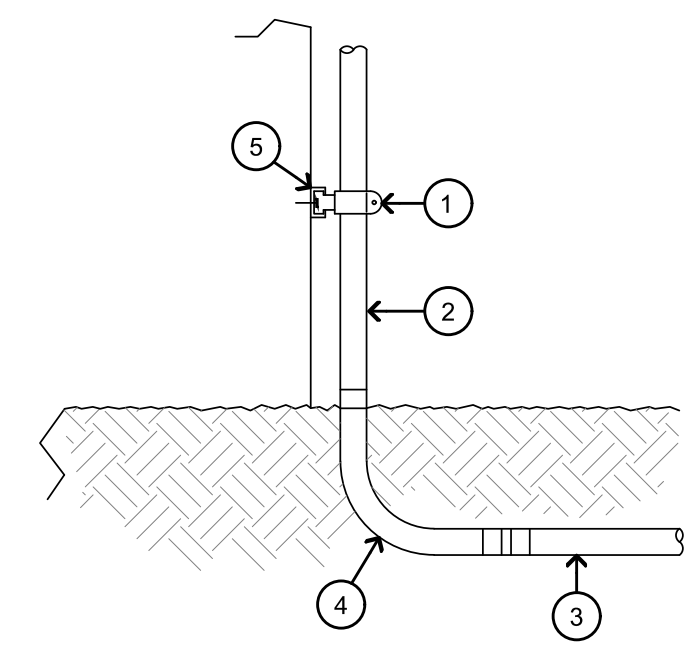
- DETAIL NOTES:**
- FOR BOXES WITH METAL LIDS ONLY, PROVIDE GROUND ROD W/BC CABLE. PROVIDE ENOUGH SLACK TO ALLOW FOR REMOVAL OF LID (120/208 & 277/480V ONLY)
 - SIZE(S) & MFG. AS NOTED ON DRAWINGS.



3 TYPICAL PULLBOX DETAIL

NO SCALE

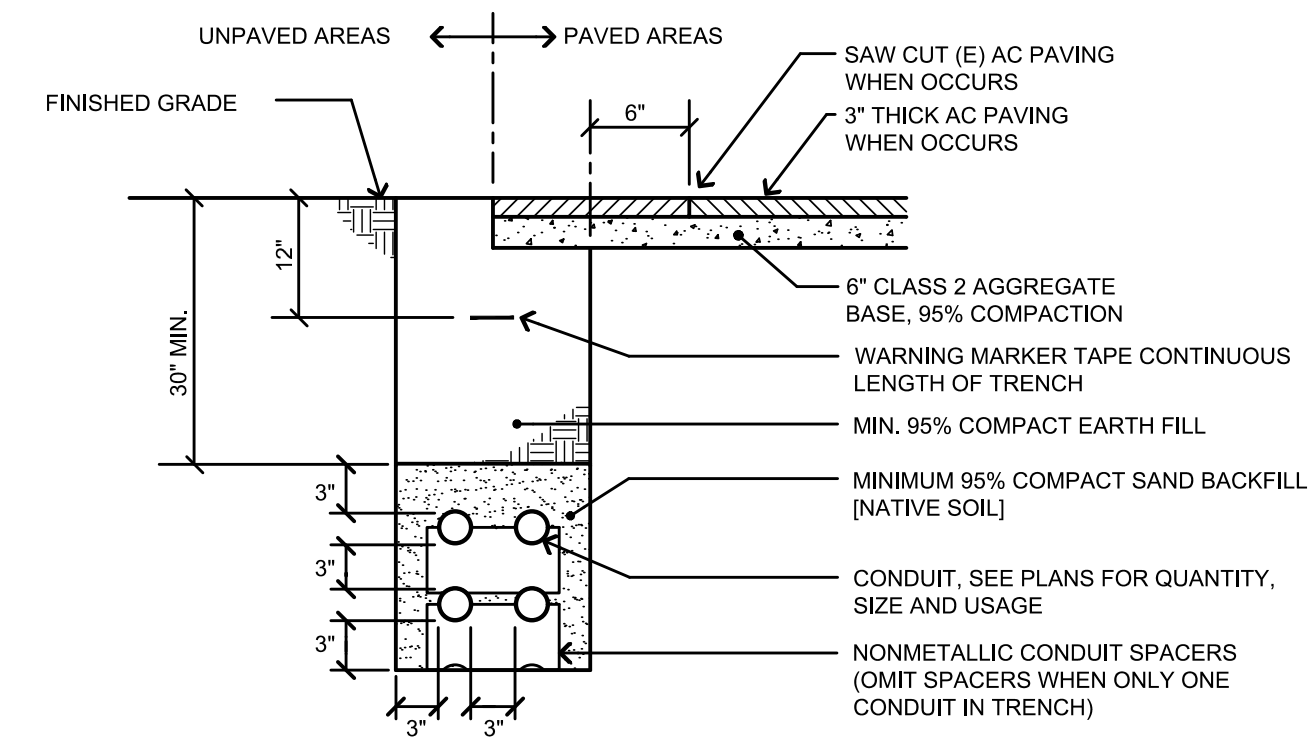
- DETAIL NOTES:**
- UNISTRUT BRACKET.
 - GALVANIZED RIGID STEEL CONDUIT. SEE PLANS FOR QUANTITY.
 - SCHEDULE 40 PVC.
 - WRAPPED GALVANIZED RIGID STEEL ELBOW AND UNDERGROUND RISER.
 - UNISTRUT CHANNEL.



- GENERAL NOTES:**
- A. FOR WOOD STUD WALL:
 USE 1/2" LAG BOLT WITH MIN. 2" EMBEDMENT INTO STUDS.
 (ONE AT EACH END OF BRACKET)

2 UNDERGROUND CONDUIT RISER DETAIL

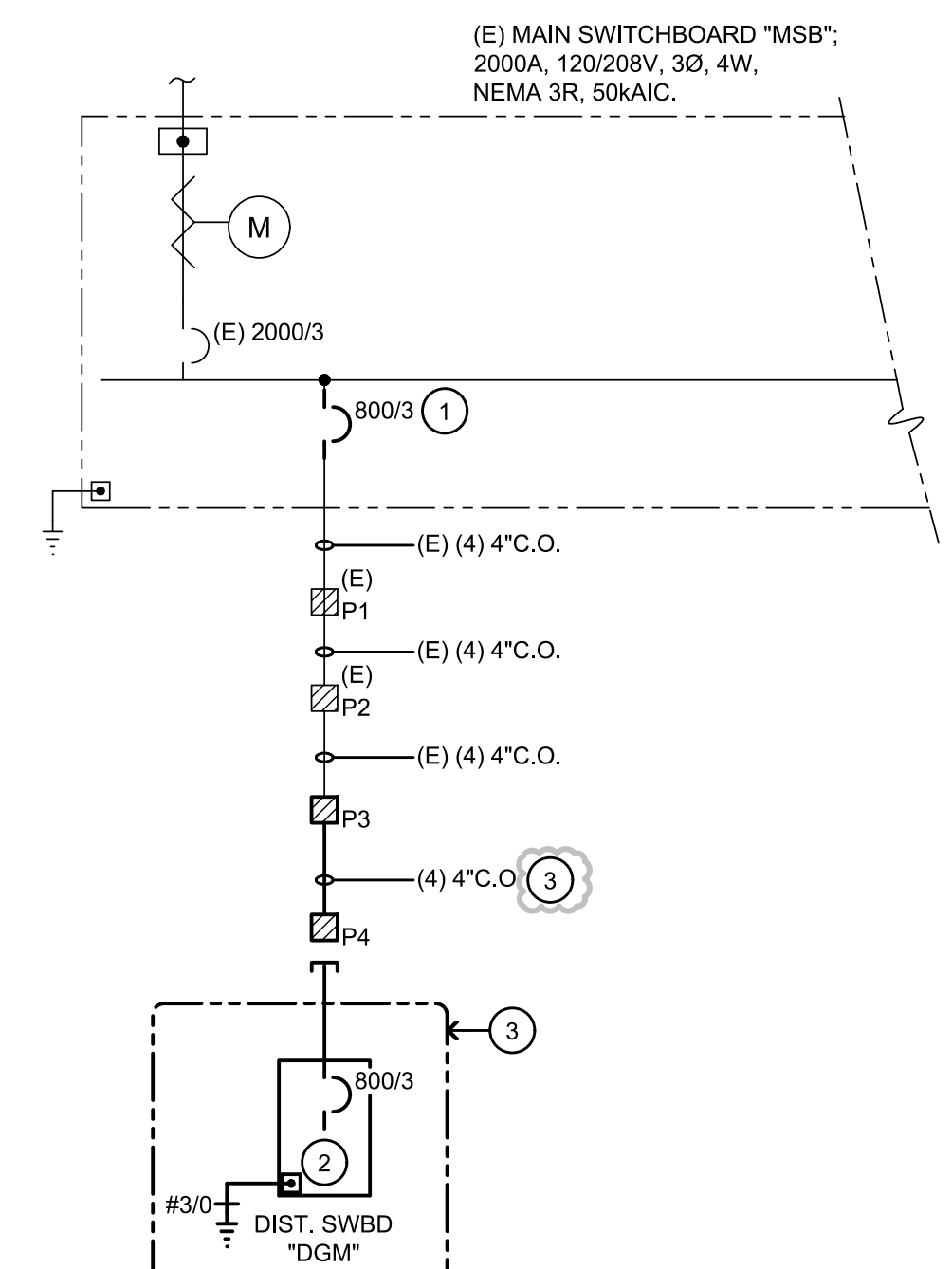
NO SCALE



- NOTES:**
- SAW CUT, TRENCH & BACKFILL FOR NEW CONDUITS. PATCH WALKWAY TO MATCH (E) SURROUNDING SURFACES. CARE SHALL BE TAKEN TO PROTECT EXISTING TREES. RESEED OR RESOD (E) DISTURBED PLANTED AREAS TO ARCHITECT'S SATISFACTION.
 - BASE MATERIAL TO BE REPLACED TO THE DEPTH OF EXISTING BASE AND COMPACTED TO A MIN. 95% RELATIVE COMPACTION. A.C. MAY BE SUBSTITUTED FOR BASE MATERIAL. WHEN USED AS BACKFILL, CLASS 100-E-100 P.C.C. MAY BE SUBSTITUTED FOR BASE MATERIAL.

4 TYPICAL TRENCH SECTION

NO SCALE

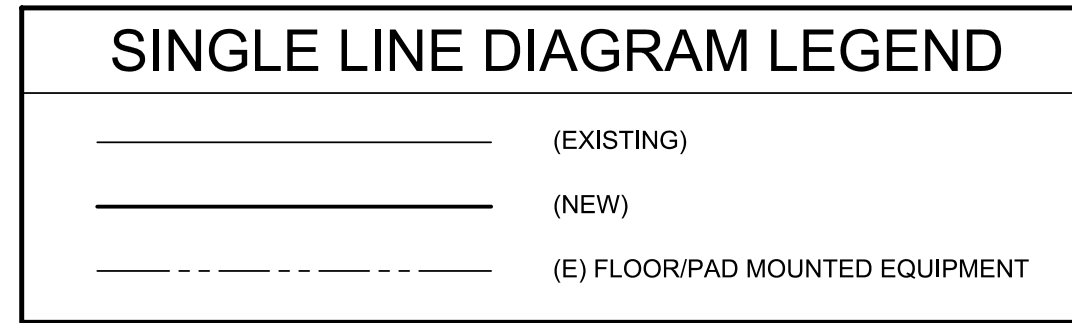


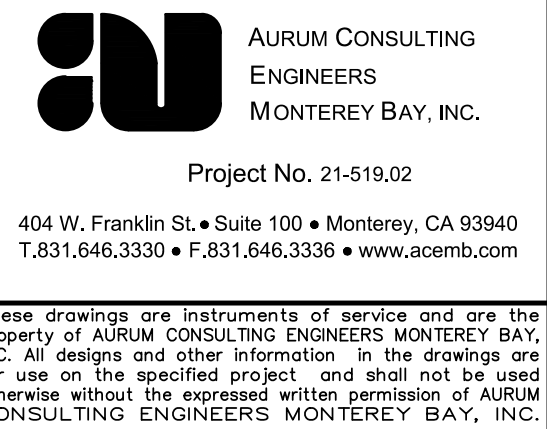
1 ELECTRICAL SINGLE LINE DIAGRAM

NO SCALE

- DETAIL NOTES:**
- BUILDING CONTRACTOR SHALL COORDINATE SHUT-DOWN WITH PG&E/DISTRICT TO MINIMIZE DOWNTIME. SEE INCREMENT 2 FOR WORK.
 - PROVIDED AS PART OF MODULAR GYM BUILDING. BUILDING CONTRACTOR SHALL TERMINATE FEEDERS AT MAIN BREAKER AND PROVIDE & INSTALL GROUND ROD CONNECTIONS. SEE INCREMENT 2 FOR WORK.
 - BUILDING CONTRACTOR SHALL TERMINATE ELECTRICAL FEEDERS AT SWITCHBOARD. SEE INCREMENT 2 DRAWINGS FOR FEEDER INFORMATION.

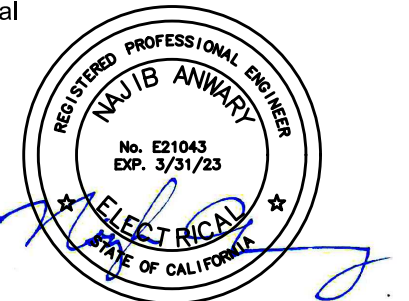
- GENERAL NOTES:**
- A. REFER TO CONTRACTOR RESPONSIBILITY MATRIX ON THIS SHEET FOR DESIGNATED WORK OF CONTRACTOR.





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Engineer Seal



Architect Seal

Project Title

PIEDMONT MIDDLE SCHOOL
955 PIEDMONT ROAD
SAN JOSE, CA 95132
NEW MODULAR GYMNASIUM & SITE WORK INCREMENT 1

Client

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	DSA Submittal V1	10/06/2022

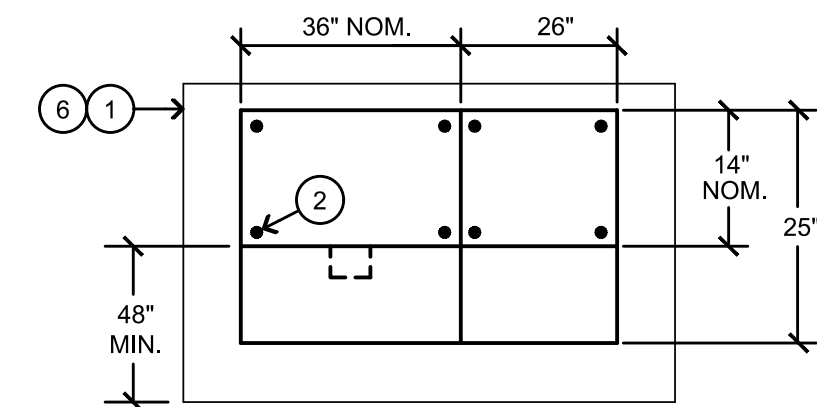
Drawing Title

ELECTRICAL SINGLE LINE DIAGRAM & DETAILS

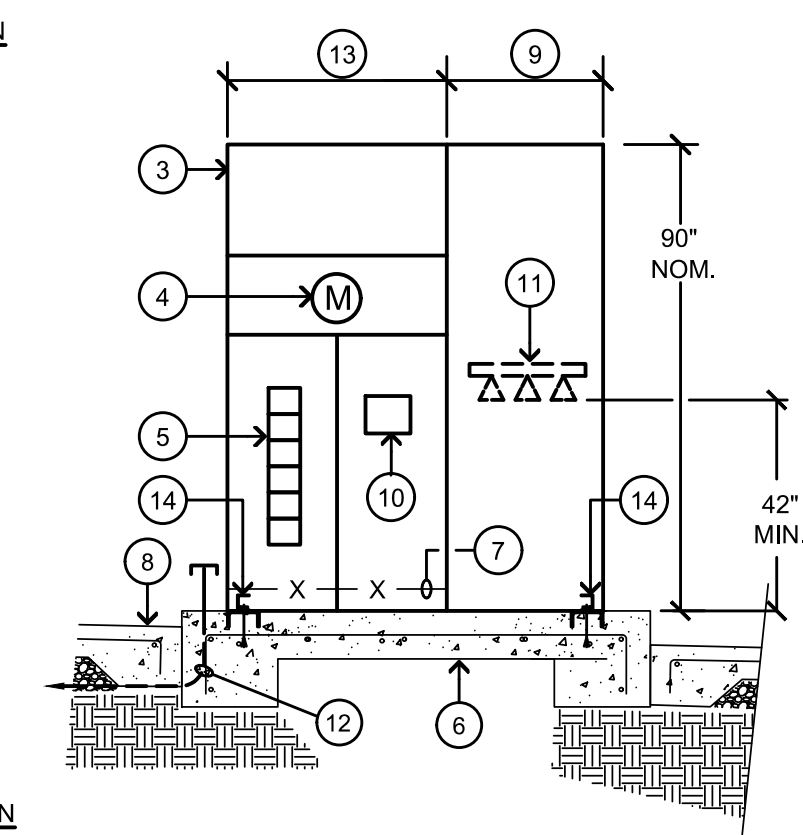
Project No. 2106 Date September 12, 2022

Drawing Number
CD AD2-E1.2

ADD ALTERNATE #2



PLAN



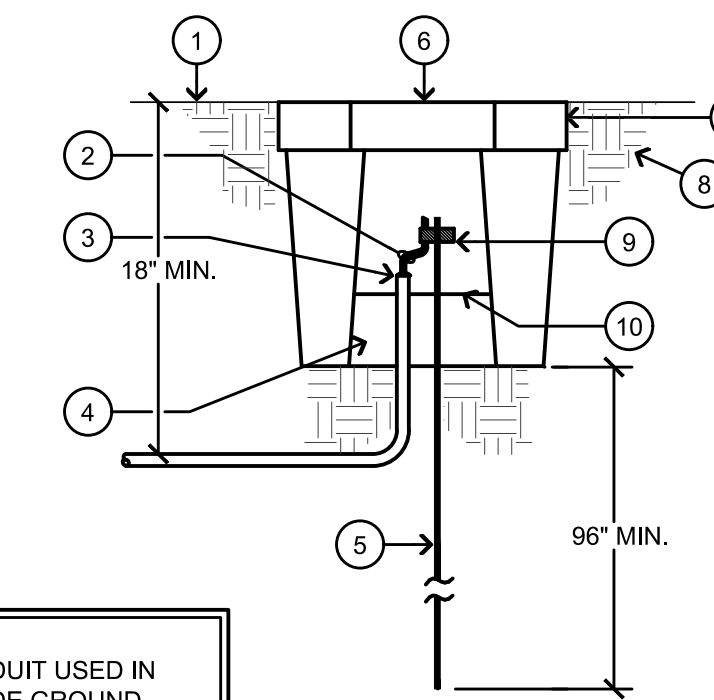
ELEVATION

* PER PG&E RULES, REGULATIONS & STANDARDS.

4 MAIN SWITCHBOARD ELEVATION - "MSB"
NO SCALE

DETAIL NOTES:

- 3" SIDES & BACK FROM EDGE OF SWITCHBOARD.
- 5/8" DIA. HILTI KBTZ2-STAINLESS STEEL EXPANSION ANCHOR (ICC ESR-4266) EACH CORNER OF EACH SECTION WITH MIN. 2 3/4" EMBED INTO CONCRETE PAD, AND MIN. 6" EDGE DISTANCE.
- NEMA 3R ENCLOSURE (NOT SHOWN FOR CLARITY), MAXIMUM WEIGHT OF SWITCHBOARD IS 1000lbs.*
- PG&E METER & C.T.'S.*
- FEEDER BREAKER (SEE SINGLE LINE FOR SIZES AND QUANTITIES).
- CONCRETE PAD. SEE ARCHITECTURAL DRAWINGS FOR EXACT REQUIREMENTS.
- FULL LENGTH CU. GND. BUS.
- FINISHED GRADE WITH 95% COMPACT SOIL AND A CRUSHED ROCK BASE.
- UNDERGROUND PULL SECTION.
- MAIN BREAKER.
- LANDING LUGS.*
- 1"C.O. TO TELEPHONE TERMINAL BOARD.*
- METER/MAN AND DISTRIBUTION SECTION.*
- CONCRETE STEEL CHANNEL.



DETAIL NOTES:

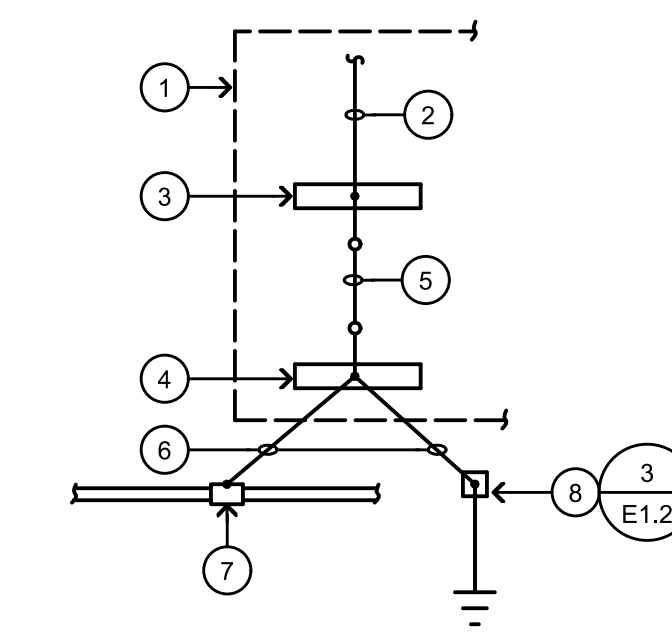
- FINISHED GRADE
- GROUND CONDUCTOR
- SEAL CONDUIT WATERTIGHT
- GROUT BOTTOM MINIMUM 3"
- 3/4" x 10'-0" COPPER CLAD GROUND ROD
- LID LABELED "GROUND ROD"
- CHRISTY "F8" GROUND ROD BOX
- UNDISTURBED EARTH
- GROUND CLAMP
- COAT ALL INSIDE SURFACES W/SEALANT

GENERAL NOTE:
WHERE METAL CONDUIT USED IN LIEU OF PVC, PROVIDE GROUND BUSHINGS & BONDS PER CODE

3 GROUND ROD BOX DETAIL
NO SCALE

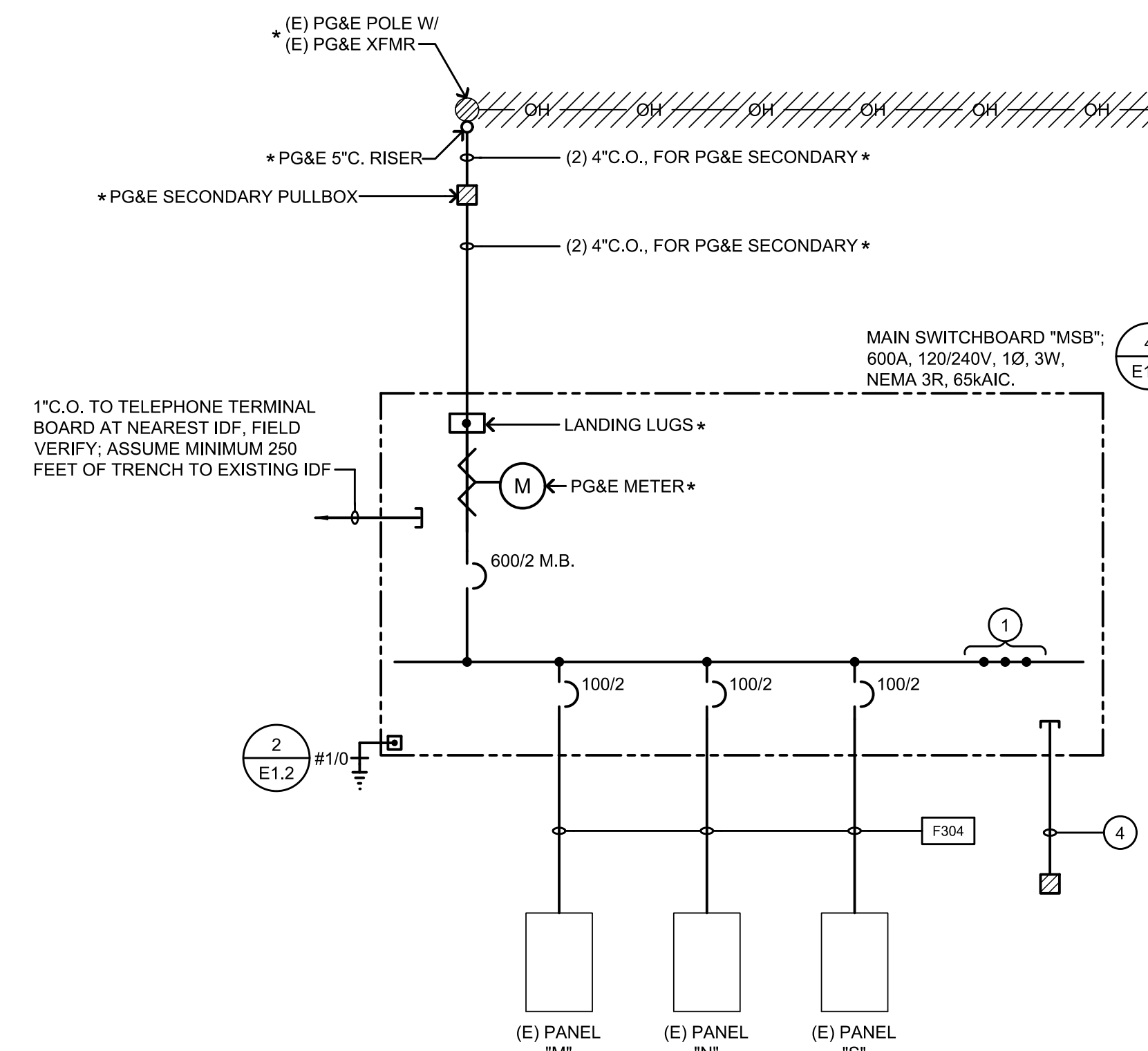
DETAIL NOTES:

- MAIN ELECTRICAL SERVICE SWITCHBOARD.
- INCOMING NEUTRAL.
- SERVICE NEUTRAL LANDING LUG/NEUTRAL BUS.
- GROUND BUS.
- REMOVABLE MAIN SERVICE BONDING JUMPER FURNISHED WITH SWITCHBOARD CONNECTED BY CONTRACTOR.
- 1" PVC WITH BARE COPPER GROUNDING ELECTRODE CONDUCTOR, SEE 1/E1.2 FOR REQUIREMENTS.
- COLD WATER PIPE IN THE BUILDING WITHIN 5' OF ENTRANCE OF BUILDING THAT MEETS REQUIREMENTS OF CEC 250.52 (A)(1).
- SERVICE GROUND ROD.



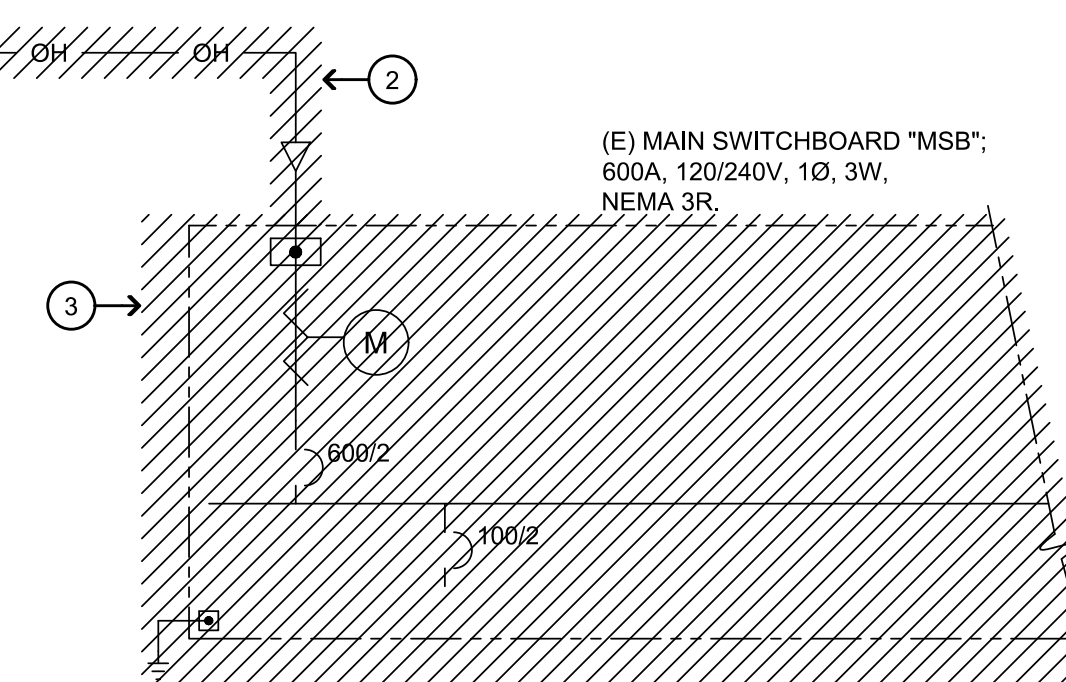
GENERAL NOTE:
IF AVAILABLE ON THE PREMISES AT EACH BUILDING OR STRUCTURE SERVED EACH OF THE FOLLOWING SHALL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRODE SYSTEM:
a. METAL WATER PIPE,
b. METAL FRAME OF BUILDING,
c. GROUND RING,
d. OTHER ELECTRODES PER CEC 250-50

2 ELECTRICAL SERVICE GROUND
NO SCALE



1 ELECTRICAL SINGLE LINE DIAGRAM
NO SCALE

* PER PG&E RULES, REGULATIONS, AND STANDARDS



DETAIL NOTES:

- PROVIDE SWITCHBOARD WITH ADDITIONAL SPACE FOR (2) 200/2, (4) 100/2, (2) 60/2, AND (2) 20/2 BREAKERS.
- PER GENERAL DEMOLITION NOTES ON SHEET E0.1, CONTRACTOR SHALL DEMOLISH EXISTING PG&E SECONDARY FEEDER AND CONDUITS COMPLETE. COORDINATE WITH DISTRICT TO MINIMIZE DOWNTIME. COORDINATE WITH PG&E FOR OVERHEAD PG&E SECONDARY AND PG&E METER REMOVAL.
- PER GENERAL DEMOLITION NOTES ON SHEET E0.1, CONTRACTOR SHALL DEMOLISH EXISTING MAIN SWITCHBOARD "MSB" AND ASSOCIATED FEEDERS/BREAKERS/BRANCH CIRCUITS COMPLETE (INCLUDING UNDERGROUND CONDUITS/FEEDERS LEAVING SWITCHBOARD).
- STUB (3) 3"C.O. AND (2) 2"C.O. QUIT FROM MAIN SWITCHBOARD TO PULLBOX. SEE 1/E2.2 FOR PULLBOX LOCATION.

FEEDER SCHEDULE

DESIGNATION	AMPACITY	CONDUIT & CONDUCTORS SIZES
F304	100	1 1/4" C., 3 #2 & 1 #8 GND.

SINGLE LINE DIAGRAM LEGEND

//////	(DEMOLISH)
_____	(EXISTING)
_____	(NEW)
-----	(E) FLOOR/PAD MOUNTED EQUIPMENT
-----	(N) FLOOR/PAD MOUNTED EQUIPMENT

SHEET NOTES

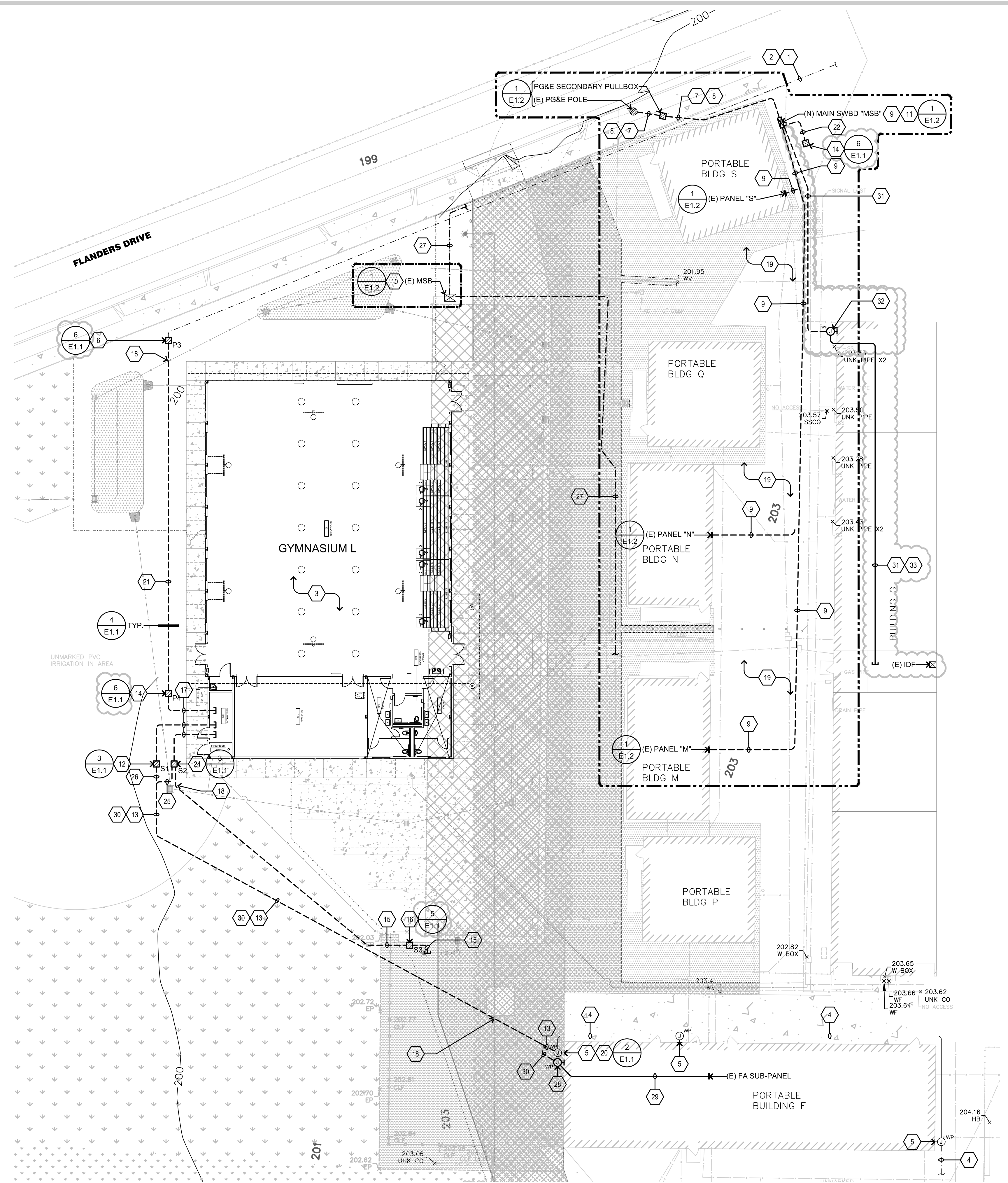
1. SEE 1/E2.1 FOR CONTINUATION.
2. PROVIDE & INSTALL FEEDER VIA EXISTING (4) 4" C. FROM EXISTING MAIN SWITCHBOARD "MSB" TO NEW PULLBOX LOCATED NEAR EXTERIOR OF GYMNASIUM ELECTRICAL ROOM. SEE INCREMENT 2 FOR TERMINATION OF FEEDER.
3. NEW GYMNASIUM BUILDING; SEE INCREMENT 2 FOR WORK AND COORDINATION.
4. PROVIDE & INSTALL 12-STRAND SINGLE MODE FIBER OPTIC CABLE FROM EXISTING MDF TO NEW GYMNASIUM IDF LOCATED IN ELECTRICAL ROOM AND ROUTE VIA EXISTING 2" CONDUIT.
5. EXISTING WALL MOUNTED PULLCAN.
6. PROVIDE & INSTALL 4' x 6" IN-GRADE VAULT WITH TRAFFIC RATED LID LABELED "ELECTRICAL". CONTRACTOR SHALL TERMINATE EXISTING STUBBED UP CONDUIT AT NEW PULLBOX. FIELD COORDINATE FOR EXACT LOCATION OF EXISTING STUBBED CONDUIT.
7. PER PG&E RULES, REGULATIONS, AND STANDARDS.
8. PROVIDE & INSTALL PG&E SECONDARY TO NEW MAIN SWITCHBOARD "MSB". SEE ELECTRICAL SINGLE LINE DIAGRAM 1/E1.2 FOR REQUIREMENTS.
9. PROVIDE & INSTALL FEEDER FROM NEW MAIN SWITCHBOARD "MSB" TO EXISTING PORTABLE PANELS. SEE ELECTRICAL SINGLE LINE DIAGRAM 1/E1.2 FOR FEEDER QUANTITY, SIZE, AND REQUIREMENTS.
10. EXISTING MAIN SWITCHBOARD TO BE DEMOLISHED AFTER PG&E AND NEW MSB WORK.
11. NEW MAIN SWITCHBOARD TO BE INSTALLED TO REPLACE EXISTING SWITCHBOARD.
12. PROVIDE & INSTALL IN-GRADE CHRISTY #N30 PULLBOX WITH LID LABELED "SYSTEMS".
13. PROVIDE & INSTALL:
- (1) 2" C.O. FOR FIBER OPTIC CABLE
- (1) 2" C.O. FOR SECURITY CABLES.
14. PROVIDE & INSTALL 4' x 6" IN-GRADE VAULT WITH TRAFFIC RATED LID LABELED "ELECTRICAL".
15. PROVIDE & INSTALL 1" C. FOR FIRE ALARM CABLES FOR PIV. CONTRACTOR SHALL TERMINATE FIRE ALARM CABLES AT PIV.
16. PROVIDE & INSTALL IN-GRADE CHRISTY #N09 PULLBOX WITH LID LABELED "FIRE ALARM".
17. CONTRACTOR SHALL STUB SYSTEMELECTRICAL CONDUITS IN ELECTRICAL ROOM. SEE INCREMENT 2 PLANS FOR COORDINATION.
18. CONTRACTOR SHALL COORDINATE WHERE UNDERGROUND UTILITY INSTALLATION OCCURS (SEE CIVIL PLANS) AND ENSURE MINIMUM 12" SEPARATION BETWEEN WET UTILITIES AND ELECTRICAL TELECOM CONDUITS.
19. CONTRACTOR SHALL MAINTAIN CLEARANCE FROM WET UTILITY AND TAKE CARE OF EXISTING UNDERGROUND INFRASTRUCTURE. CONTRACTOR SHALL PATCH POTHOLE AS NECESSARY TO AVOID CONFLICT. (ADD ALTERNATE #1)
20. CONTRACTOR SHALL ENCASE EXPOSED CONDUITS IN METAL SHROUD.
21. PROVIDE & INSTALL (4) 4" C.O. FOR ROUTING OF FEEDERS. CONTRACTOR SHALL ROUTE CONDUIT AWAY FROM BIORETENTION AREA AND MODULAR GYMNASIUM. SEE ELECTRICAL SINGLE LINE DIAGRAM 1/E1.1 FOR REQUIREMENTS.
22. PROVIDE & INSTALL CONDUIT ONLY AND STUB AT PULLBOX LOCATION. SEE ELECTRICAL SINGLE LINE DIAGRAM 1/E1.2 FOR NUMBER OF CONDUITS.
23. NOTE NOT USED.
24. PROVIDE & INSTALL IN-GRADE CHRISTY #N16 PULLBOX WITH LID LABELED "FIRE ALARM".
25. PROVIDE & INSTALL (1) 2" C. FOR FIRE ALARM CABLES.
26. PROVIDE & INSTALL:
- (1) 2" C.O. FOR FIBER OPTIC CABLE
- (1) 2" C.O. FOR SECURITY CABLES
- (1) 2" C.O. FOR SPARE.
27. EXISTING ELECTRICAL TRENCH LINE. CONTRACTOR SHALL PROTECT WIRES/CONDUIT DURING NEW WORK. SEE CIVIL PLANS FOR COORDINATION; (ADD ALTERNATE #1)
28. PROVIDE & INSTALL 18" SQ. x 6" DEEP, NEMA 3R PULLCAN.
29. PROVIDE & INSTALL (1) 1" C. WITH (2) #12 FIRE ALARM CABLES.
30. PROVIDE & INSTALL (1) 2" C. FOR FIRE ALARM CABLES AND (1) 2" C.O. FOR SPARE.
31. PROVIDE & INSTALL (1) 1" C.O. FOR TELECOM. SEE DETAIL 4/E1.2.
32. PROVIDE & INSTALL 12" SQ. x 6" DEEP, NEMA 3R PULLCAN.
33. STUB TELECOM CONDUIT IN EXISTING IDF ROOM G25.

NOTES:

- A. REFER TO CONTRACTOR RESPONSIBILITY MATRIX ON SHEET E1.1 FOR DESIGNATED WORK OF CONTRACTOR.
- B. CONTRACTOR SHALL LOCATE ALL (E) UNDERGROUND UTILITIES PRIOR TO TRENCHING AND TAKE CAUTION TO AVOID DAMAGE DURING TRENCHING. HAND TRENCH IF NECESSARY. CONTRACTOR SHALL MAKE ALL REPAIRS TO DAMAGED UTILITIES AT NO CHARGE TO OWNER.
- C. ALL UTILITIES (PG&E, AT&T AND CATV) ARE SHOWN IN SCHEMATIC FORM ONLY. CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS WITH UTILITY COMPANY ENGINEERED DRAWINGS PRIOR TO START OF CONSTRUCTION AND PROVIDE FACILITIES ACCORDINGLY.
- D. CONTRACTOR SHALL REPAIR/REFINISH SURFACE WHERE TRENCHING OCCURS TO EQUAL OR BETTER THAN EXISTING CONDITIONS.
- E. SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILINGS FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH ARCHITECT FOR EXACT REQUIREMENTS.

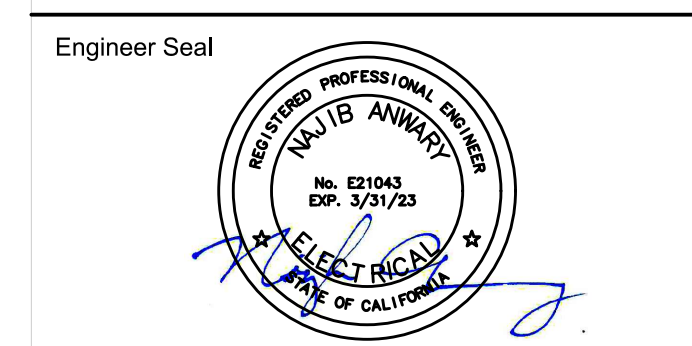
LEGEND

- ADD ALTERNATE #1
- ADD ALTERNATE #2



1 PARTIAL ELECTRICAL SITE PLAN
SCALE: 1/16"=1'-0"

DSA: 01-120466 / File: 47-3



Architect Seal

Project Title
PIEDMONT MIDDLE SCHOOL
 955 PIEDMONT ROAD
 SAN JOSE, CA 95132
NEW MODULAR GYMNASIUM & SITE WORK INCREMENT 1

Client
 BERRYESSA UNION SCHOOL DISTRICT
 1376 PIEDMONT RD
 SAN JOSE, CA 95132

No	Revisions/Submissions	Date
	DSA Submittal V1	10/06/2022

Drawing Title

PARTIAL ELECTRICAL SITE PLAN

Project No. 2106 Date September 12, 2022

Drawing Number
CD AD2-E2.2