

Pacific Grove Unified School District
435 Hillcrest Avenue, Pacific Grove, CA 93950
Robert Down Elementary School Site Improvements
Notice to Bidders - Addendum 03

Addendum Date: 3/23/2026

Addendum by: Ausonio Incorporated/Brailsford & Dunlavey

Attn: All Bidders

You are hereby notified of the following Additions/Deletions/Revisions to the Project Manual/Specifications and Drawings for this project, identified as Addendum 03.

Addendum 03 documents shall take precedence over the bidding documents previously issued.

Bidders shall acknowledge receipt and inclusion of Addendum 03 on their Bid Proposal.

AD03-01: Revisions to Project Manual

There are no revisions to the project manual.

AD03-02: Pre-Bid Questions and Answers

1. Is the concrete walkway, landscape and asphalt ramp next to the East Playground part of the base bid or additive work?
Only asphalt paving shown within the boundary indicated on Addendum 3 revised sheet A1.11 is part of Alternate 1. All other scope is part of the base bid.
2. Note that project address is shown as 615 Sunset Drive - Sheets C1.1, C6.1, C7.1 & C7.2.
This is a typographical error that is corrected on revised sheets issued as part of Addendum 3.
3. Please provide clear outline of Alternate 1 scope area on the plans.
Revised sheets in Addendum 3 indicate the extent of Alternate 1.
4. Do the galvanized step / handrails paint? If so, please provide specification.
Railings shall not be field painted. They will remain hot-dipped galvanized.
5. Please provide specification section for game Line Paint Requirements referenced Detail 4/A1.22 - Note 1.
Pavement paint specification is included in Addendum 3.
6. Please provide spec for new drinking fountain referenced on sheet C3.1 and connection detail.
Drinking fountain manufacturer, model number, and attachment details are included on sheet A1.21 in Addendum 3 revised drawings.
7. "P1C - Concrete Paving Drinking Fountain" - The drinking fountain is located at asphalt paving - please provide detail.
Drinking fountain attachment details are included on sheet A1.21 in Addendum 3 revised drawings.
8. 321816 - Artificial Turf section is listed, but not included in Tech Specs. Please provide.
New Artificial turf is not part of the contract thus Section 321816 is omitted. Existing turf to be reinstalled.

9. Please provide detail Referenced for P7 - 7/C6.1 - roll back artificial turf area as described on C7.2.
The artificial turf re-installation should be completed per detail 5/C6.2. This is corrected in Addendum 3.
10. A1.01 Demo Site Plan - 02-118 - Note states (E) is to be relocated by the school district. Will it be moved to the staging area (or is this to be demoed by contractor?). This 5th shed is not shown on A0.11.
Contractor to relocate existing shed (not District) within campus property, exact location to be determined. After review in the field, there are a total of four sheds, three to remain, one to be relocated.
11. Are the two portable toilets for student use required to be ADA compliant?
Yes, they are required to be ADA compliant.
12. Do Details 4 & 12/ C7.2 apply to this project? If so where are the gates located?
It is assumed that this question is referring to details on sheet A1.21 and sheet C7.2. Gate details 4 and 12 on A1.21 do apply to this project. Locations are identified on Addendum 3 revised drawings.
13. The detail for the basketball court 3 point lines is not correct. Do they want to go with a standard 3 point line? Or is this correct for the Elementary School?
Basketball freeline lines should be provided as shown.
14. Will Contractor be issued auto cad files to reference for construction surveying and layout of new site work?
The Contractor can be furnished CAD files upon request.
15. Specification Section 310513, 1.1, makes reference to a soils report. Please provide a copy (paragraph goes on to say that the Contactor shall be for securing a copy), but we would like to see scope for pricing now.
A Geotechnical Engineering Investigation is provided as part of Addendum 3 (Exhibit D).
16. C.1, Note 3 References Underground Note 8 on C0.1, however, this note is not shown on C0.1. Please provide.
Note 8 has been added to Sheet C0.1 as part of Addendum 3.
17. Detail 2/C6.01, the AC adjacent to the valley gutter is shown as 3". However, when reviewing Table 4/C6.1, there does not appear to be an AC section that matches that thickness. Please clarify whether we should follow the 3" AC shown in the detail, or if we should base the section on what is listed in the table.
The 3" dimension on detail 2/C6.01 is referring to the vertical placement of the rebar in the concrete gutter. Asphalt thicknesses are established in detail 4/C6.1.
18. Sheet A1.21 is the only part that need fencing and gates is the Trash Enclosure? Looks like the two gates #4 & #12 are not part of any bid scope.
Gate details 4 and 12 on A1.21 do apply to this project. Locations are identified on Addendum 3 revised drawings.
19. Sheet C7.1 has fencing noted as 'FNC – 01' but didn't see anything for is in the plans-layout or details.
Fencing is shown on Architectural Drawings.

20. Can revenue reporting on statement of qualifications be confidential?
Yes, revenue section of SOQ (Section 004513 #3) can be provided in separate envelope at bid time and note on chart that information is in separate envelope. It will be kept confidential.
21. The plans depict an outline of North America near the existing play structure, as well as outlines of the remaining continents below the basketball courts. Are these elements to be included in the striping plan? If so, the plan set does not provide corresponding measurements or dimensions, nor are they referenced in the specifications. Please advise.
General dimensions are added to the Addendum 3 revised drawings. This is a common installation that is expected to be done without additional details.

AD03-03: Revisions to Drawings and Technical Specifications

Please see attached Addendum 03 narrative from Derivi Castellanos Architects dated 3/23/26 for revisions to drawings and technical specifications (Exhibits A, B & C).

Attachments:

- Exhibit A: DCA Addendum 03 Narrative
- Exhibit B: RDES Paving Maintenance Project – Revised Specifications
- Exhibit C: RDES Paving Maintenance Project – Revised Plans
- Exhibit D: Limited Geotechnical Engineering Investigation (Moore Twining, 2/24/26)

[END OF ADDENDUM 03]

**PACIFIC GROVE UNIFIED SCHOOL DISTRICT
Robert Down Elementary School
Paving Maintenance Project
Bid Number RDE-MD-080**

ADDENDUM 03

PROJECT:	Robert Down Elementary School Pavement Maintenance Project 485 Pine Avenue Pacific Grove, CA 93950	DATE: 03-23-26
OWNER:	Pacific Grove Unified School District 435 Hillcrest Avenue Pacific Grove, CA 93950	DSA APP. NO.: 01-122778
ARCHITECT:	Derivi Castellanos Architects 95 S. Market St, Suite 480 San Jose, CA 95113	DSA FILE NO.: 27-37 Architects Project No.: 25.052

Notice is hereby given that the Contract Documents of the subject project are modified as hereinafter set forth in this addendum. This Addendum shall be attached to and form a part of the Contract Documents.

1.0 SPECIFICATIONS-PROJECT MANUAL

Architectural:

ITEM 3S.001 Section 00 01 10 Table of Contents – Replace Section 00 01 10 Table of Contents in its entirety.

ITEM 3S.002 Section 32 17 23.13 Painted Pavement Markings– Add Section 32 17 23.13 Painted Pavement Markings in its entirety.

2.0 DRAWINGS

Architectural:

ITEM 3D.001 Sheet A0.0 COVER SHEET – Clarifies bid alternate scope of work.

ITEM 3D.002 Sheet A1.11 CAMPUS SITE PLAN – Add keynote notation 32-007 at fencing between new trash enclosure and existing Relocatable building at west side of the site. Add KEYNOTE 32-007 to read “CHAIN LINK FENCE, SEE DETAIL 2&3/A1.21.”



- ITEM 3D.003** **Sheet A1.11 CAMPUS SITE PLAN** – Add keynote notation 32-008 at fencing gate between new trash enclosure and existing Relocatable building at west side of the site. Add KEYNOTE 32-008 to read “CHAIN LINK GATE, SEE DETAIL 4/A1.21.”
- ITEM 3D.004** **Sheet A1.21 SITE DETAILS** – Add bottle filling station elevation. See detail 9/A1.21 BOTTLE FILLING STATION ELEVATION.
- ITEM 3D.005** **Sheet A1.21 SITE DETAILS** – Add bottle filling station footing detail. See detail 10/A1.21 BOTTLE FILLING STATION FOOTING.
- ITEM 3D.006** **Sheet A1.21 SITE DETAILS** – Add chain link gate detail. See detail 4/A1.21 CHAIN LINK GATE.
- ITEM 3D.007** **Sheet A1.21 SITE DETAILS** – Add curb clarification note to read “6” CONC. CURB, SEE CIVIL DWGS.” See detail 20/A1.21 ENLARGED PLAN – TRASH ENCLOSURE.
- ITEM 3D.008** **Sheet A1.21 SITE DETAILS** – Delete detail 12/A1.21.
- ITEM 3D.009** **Sheet A1.22 SITE DETAILS** – Clarify dimensions of USA map striping per 18/A1.22 ENLARGED PLAYGROUND PLAN - WEST.
- ITEM 3D.010** **Sheet A1.22 SITE DETAILS** – Clarify dimensions of world map striping per 18/A1.22 ENLARGED PLAYGROUND PLAN - WEST.
- ITEM 3D.011** **Sheet A1.22 SITE DETAILS** – Clarify add alternate limit of work area per 20/A1.22 ENLARGED PLAYGROUND PLAN - EAST.

CONSULTANT DRAWINGS

Civil:

- ITEM 3D.012** **C0.1 – NOTES, LEGEND & INDEX** –
Add: Geotechnical Report information added.
Add: Underground notes 8 for Storm Drain Cleaning added.
- ITEM 3D.013** **C1.1 – DEMOLITION PLAN**
Revise: Demolition Keynote 5 revised.
- ITEM 3D.014** **C2.2 – GRADING & DRAINAGE PLAN**
Revise: Grades and Slopes revised at revised Concrete paving sidewalk, Synthetic turf and Curbs west of Spruce Street added.
Revise: Grades and Slopes revised at revised Concrete paving sidewalk, Synthetic turf and Curbs nearby existing Play Structure.
Revise: Existing Drain Inlet Rim elevation revised nearby existing Play Structure.



ITEM 3D.015 C3.1 & C3.2 – UNDERGROUND UTILITIES PLAN
Revise: Existing Drain Inlet Rim elevation revised nearby existing Play Structure.
Revise: Existing Drain Inlet invert grade revised.
Revise: Existing SSCO relocated out of Valley Gutter.

ITEM 3D.016 C6.01 – DETAILS
Revise: Detail 2 – Valley Gutter dimension revised.

ITEM 3D.017 C6.2 – Construction Details
Detail 5 – Concrete Curb – Type V
Change: Class II Aggregate Base Rock Symbol from existing to new.
Add: Class Aggregate Base Rock Compacted to 95% RD callout to detail.
Add: (Upper 12”) Subgrade Compacted to 95% RD callout to detail.

ITEM 3D.018 C7.2 – MATERIAL & DETAIL REFERENCE PLAN
Revise: P7 - (E) synthetic turf to be rolled back and reinstalled Detail Reference in the Material & Detail Reference Legend to read as 5/C6.2.

Electrical:

ITEM 3D.019 E201 - ELECTRICAL SITE PLAN
Add: Add pull- box per E201 - ELECTRICAL SITE PLAN.

END OF ADDENDUM ITEMS

ATTACHMENTS:

Geotechnical Report

Specifications:

00 01 10 Table of Contents
32 17 23.13 Painted Pavement Markings

Construction Drawings:

A0.0 COVER SHEET
A0.10 FIRE LIFE SAFETY PLAN
A0.11 ACCESS COMPLIANCE PLAN
A1.01 – DEMO SITE PLAN
A1.11 CAMPUS SITE PLAN
A1.21 SITE DETAILS
A1.22 SITE DETAILS

AD3-C0.1 – NOTES. LEGEND & INDEX
AD3-C1.1 – DEMOLITION PLAN
AD3-C2.2 – GRADING & DRAINAGE PLAN
AD3-C3.1 – UNDERGROUND UTILITIES PLAN
AD3-C3.2 – UNDERGROUND UTILITIES PLAN
AD3-C6.01 - DETAILS
C6.2 – CONSTRUCTION DETAILS
C7.2 – MATERIAL & DETAIL REFERENCE PLAN
E201 – ELECTRICAL SITE PLAN

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DSA File No.: 27-37

Robert Down Elementary School
Paving Maintenance Project
Pacific Grove Unified School District

DOCUMENTS 00 01 10 - TABLE OF CONTENTS

DIVISION 00 – PROCUMENT AND CONTRACTING REQUIREMENTS

Section

- 00 00 00 Cover Page
- 00 01 07 Seals Page
- 00 01 10 Table of Contents

DIVISION 01 – GENERAL REQUIREMENTS

Section

- 01 10 00 Summary
- 01 25 00 Substitution Procedures
- 01 33 00 Submittal Procedures
- 01 35 16 Alteration Project Procedures
- 01 56 39 Temporary Tree and Plant Protection
- 01 60 00 Product Requirements
- 01 77 00 Closeout Procedure
- 01 78 39 Project Record Documents

DIVISION 02- EXISTING CONDITIONS

Section

- 02 41 19 Selective Demolition

DIVISION 03- CONCRETE

Section

- 03 10 00 Concrete Formwork
- 03 20 00 Concrete Reinforcement
- 03 30 00 Cast In Place Concrete

DIVISION 04- MASONRY

Section

Not Used

DIVISION 05- METALS

Section

- 05 52 00 Metal Railings

DIVISION 06- WOOD, PLASTICS, AND COMPOSITES

Section

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Not Used

DIVISION 07-THERMAL AND MOISTURE PROTECTION

Section

Not Used

DIVISION 08- OPENINGS

Section

Not Used

DIVISION 09- FINISHES

Section

Not Used

DIVISION 10- SPECIALTIES

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Not Used

DIVISION 11- EQUIPMENT

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Not Used

DIVISION 12- FURNISHINGS

Section

Not Used

DIVISION 13- SPECIAL CONSTRUCTION

Section

Not Used

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DIVISION 14- CONVEYING EQUIPMENT

Section

Not Used

DIVISION 22- PLUMBING

Section

Not Used

DIVISION 23- HEATING, VENTILATING, AND AIR CONDITIONING

Section

Not Used

DIVISION 25- INTEGRATED AUTOMATION

Not Used

DIVISION 26-ELECTRICAL

Section

Not Used

DIVISION 27-COMMUNICATIONS

Section

Not Used

DIVISION 28- ELECTRONIC SAFETY AND SECURITY

Section

Not Used

DIVISION 31 - EARTHWORK

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31 05 13	Soils for Earthwork
31 10 00	Site Clearing
31 22 13	Rough Grading
31 23 00	Excavation and Fill
31 23 16.13	Trenching
31 23 23.13	Backfill
31 23 23.14	Controlled Low Strength Material

DIVISION 32 - EXTERIOR IMPROVEMENTS

Section

32 11 23	Aggregate Base Course
32 12 16	Asphalt Pavement
32 12 36	Slurry Seal Ex Asphalt Paving
32 13 13	Concrete Paving
32 17 00	Pavement Specialties
32 17 23.13	Painted Pavement Markings
32 31 13	Chain Link Fencing and Gates
32 84 00	Planting Irrigation
32 90 00	Planting

DIVISION 33-UTILITIES

Section

33 11 16	Site Water Utility Distribution Piping
33 13 00	Disinfection of Water Distribution
33 30 00	Sanitary Sewerage Utilities
33 40 00	Storm Drainage Utilities
33 49 13	Storm Drainage Manholes, Frames & Covers

END OF SECTION

SECTION 32 17 23.13 – PAINTED PAVEMENT MARKINGS

PART 1 - GENERAL

1.1 SUMMARY

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- B. Related Sections:
 - 1. Section 32 12 16 - Asphalt Paving
 - 2. Section 32 13 13 – Concrete Paving
 - 3. Section 32 12 36 – Slurry Seal Existing Asphalt

1.2 SUMMARY

- A. Section includes general protection and pruning of existing trees and plants that are affected by execution of the Work, whether temporary or permanent construction.
- B. Description of Work:
 - 1. This Section pertains to the application of pavement marking as indicated on the drawings and as specified herein.

1.3 SUBMITTALS

- A. Product Data: Include material certificates, finishes and color charts
- B. Accreditation Certificate for applicators.

1.4 PROJECT CONDITIONS

- A. For new asphalt paving, Contractor shall review asphalt paving to receive pavement markings and verify the asphalt is free of defects and structurally stable. Notify Owner's Representative prior to proceeding with pavement markings to make necessary repairs.
- B. For new asphalt paving, the surface shall be dry and free from all foreign matter, including, but not limited to dirt, dust, de-icing materials, and chemical residue. Notify Owner's Representative prior to proceeding with pavement markings to make necessary repairs.
- C. For existing asphalt paving, Contractor shall review the asphalt does not contain any defects including cracks, ruts or potholes nor demonstrate any flushing, raveling or like deficiencies.

Notify Owner's Representative prior to proceeding with pavement markings to make necessary repairs.

- D. For existing asphalt paving, Contractor shall review the surface conditions prior to placing bid. Bid shall include removal of existing pavement markings by sand-blasting, water-blasting, grinding, or other approved mechanical methods. The removal shall, to the fullest extent possible, cause no significant damage to the pavement surface. Obtain approval from Owner's Representative in writing if the removal of surface markings is satisfactory. Work shall not proceed until this approval is granted.
- E. Proceed with pavement marking only on clean, dry surfaces and at a minimum ambient or surface temperature of 40 deg F (4 deg C) for oil-based materials, 50 deg F (10 deg C) for water-based materials, and not exceeding 95 deg F (35 deg C).

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver pavement marking materials to Project site in original packages with seals unbroken and bearing manufacturer's labels containing brand name and type of material, date of manufacture, and directions for storage.
- B. Store pavement markings materials to Project site in original packages with seals unbroken and bearing manufacturer's labels containing brand name and type of material, date of manufacture, and directions for storage.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Painted Pavement Markings shall consist of a product formulated to provide a balance of performance properties for a durable, long-lasting, color and a texture finish for asphalt pavement surfaces. Paint for Pavement Markings shall be environmentally safe and meet EPA requirements for Volatile Organic Compounds (VOC).
- B. Manufacturer: Painted Pavement Markings shall be Sherwin-Williams Acryshield Exterior Paint or equal, with H&C SharkGrip additive for non-skid finish.
 - 1. Products available through:
 - a. Sherwin-Williams at www.Sherwin-Williams.com available through retail stores that cater to commercial clients. Allow a minimum of 1 week lead time to order.
 - b. H&C Concrete at www.hcconcrete.com, 1-800-867-8246
- C. Painted Pavement Markings / Game Line Paint shall be white, unless noted otherwise on the plans, water based, 100% acrylic, lead free striping and marking materials manufactured for permanent, exterior game line marking.
- D. Equipment for Painted Pavement Marking Application: Contractor shall execute work using equipment appropriate for the design / layout of the painted pavement markings. Contractor

shall not use equipment not suitable for this application which may compromise the performance of the coatings.

1. Brush: Synthetic Bristle, size of brush as required.
2. Roll: 3/8" – 3/4" Synthetic Cover
3. Sprayer: 2000 – 2500 PSI / .015" - .021" Tip

E. Painted Pavement Marking Templates:

1. Contractor shall create and fabricate sturdy, non-flexible, waterproof templates for each Challenge Course Activity Station, Map, Symbol, or other pavement marking.
2. Acceptable Template Materials are plastic, metal, or approved equal.
3. Contractor shall clean and thoroughly dry each template prior to re-use.
4. Refer to section 3.6 for Close-Out items related to this section.

PART 3 - EXECUTION.

3.1 APPLICATION

- A. Do not apply pavement marking paint until layout, colors, and placement have been verified with Owner's Representative.
- B. Allow paving to age for 30-days before starting pavement marking or as specified by manufacturer's recommendations.
- C. Pavement surface to receive the striping shall be thoroughly cleaned of all dirt, organic growth, oil, grease, or other materials that will prevent adhesion of the paint to the roadway surface.
- D. Paints shall applied by brush, spray or flow methods to clean and dry surfaces with surface temperature 50 F or above.
 1. Paint shall be applied after OverKote Asphalt Pavement Coating application has had adequate time to cure. Refer to manufacture's recommendations for cure time.
 2. Paint shall be applied with mechanical equipment to produce uniform straight edges. Apply two (2) coats at manufacturer's recommended rates.
 3. Paint shall be applied as shown on drawings.

3.2 FIELD QUALITY CONTROL

- A. Do not apply pavement -marking paint until layout, colors and placement have been verified with Owner's Representative.

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DSA File No.: 27-37

Robert Down Elementary School
Paving Maintenance Project
Pacific Grove Unified School District

END OF SECTION 32 17 23.13

(Revised 11/07/2025)

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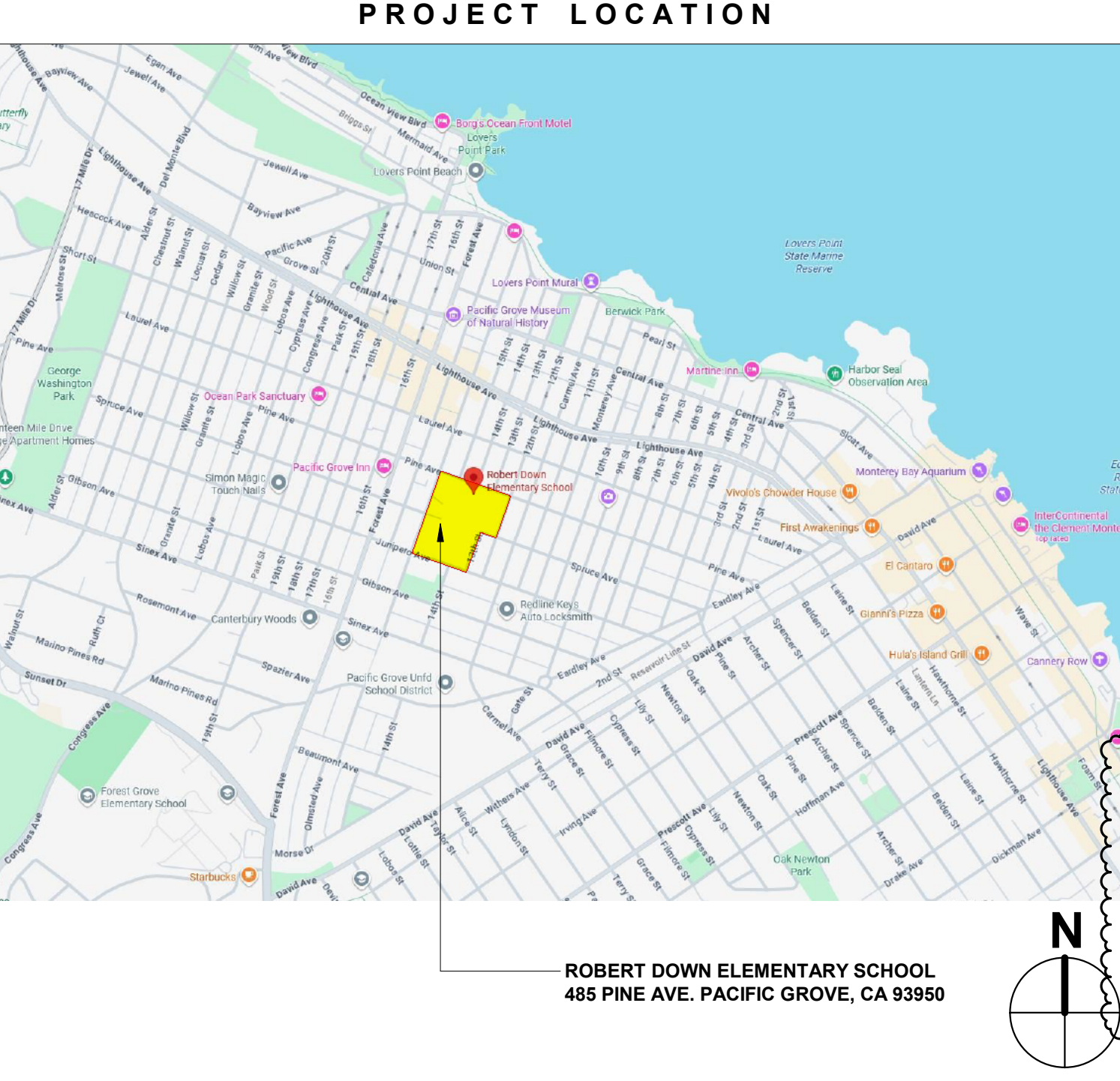
PACIFIC GROVE UNIFIED SCHOOL DISTRICT
ROBERT DOWN ELEMENTARY SCHOOL
PAVING MAINTENANCE PROJECT
485 PINE AVE, PACIFIC GROVE, CA 93950

DSA FILE No. 27-37
DSA APPLICATION No. 01-122778
OPSC PROJECT TRACKING No. 66134-35
BID SET SUBMITTAL

Derivi Castellanos Architects
Central Valley
3031 W March Ln, Ste 334
Stockton, CA 95219
(209) 462-2873
Silicon Valley
95 S Market St, Ste 480
San Jose, CA 95113
(408) 320-4871
www.dcaia.com

STANDARD ABBREVIATIONS table with columns for symbol and description, including AND, PERCENT, AIR CONDITIONING, etc.

GENERAL NOTES table with numbered list of construction and safety instructions, including 'DO NOT SCALE THE DRAWINGS', 'DIMENSIONS TO EXISTING CONSTRUCTION', etc.



PROJECT REQUIREMENTS table listing applicable standards (CAC, CBC, CEC, etc.) and applicable standards for the project.

PROJECT TEAM table listing roles (OWNER, ARCHITECT, CONSTRUCTION MANAGER, etc.) and contact information for Derivi Castellanos Architects.

GENERAL LEGEND table defining symbols for TAGS AND MARKERS, ELEVATION REFERENCE, SECTION REFERENCE, DETAIL REFERENCE, and GRAPHIC SCALE & NORTH ARROW.

SCOPE OF WORK SUMMARY table detailing the project scope, including site work, exterior stairs, new slope walkways, and chain link fence.

DEFERRED SUBMITTALS table listing items that are not included in the current bid set.

ADMINISTRATIVE REQUIREMENTS table listing rules for document control, testing, and compliance with local and state codes.

PROJECT DRAWINGS table listing the contents of the drawing set, including COVER SHEET, FIRE LIFE SAFETY PLAN, CIVIL, etc.

STATEMENT OF GENERAL COMPLIANCE table providing a declaration of compliance with applicable codes and standards.

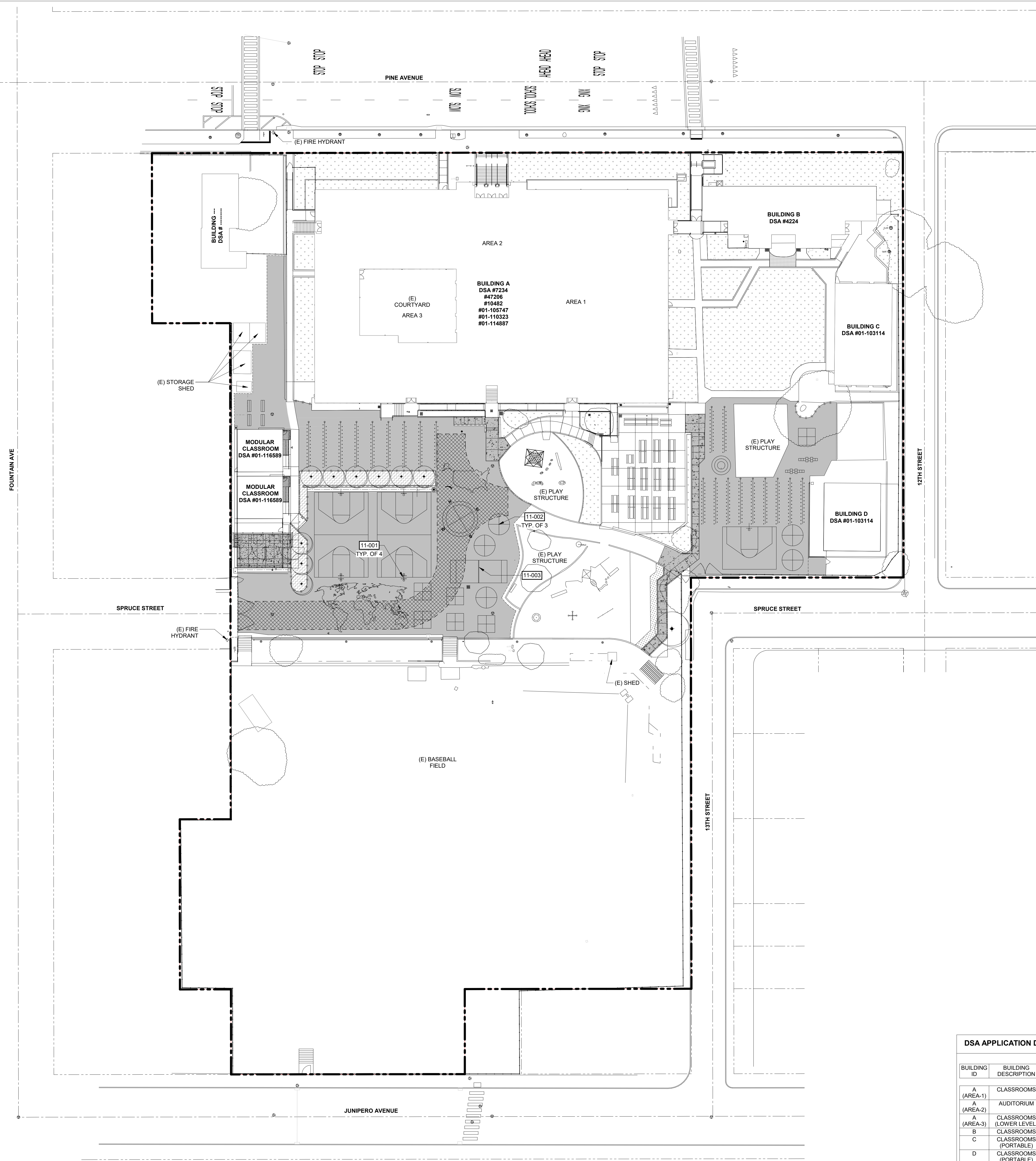
BID SET
3/2/26

PACIFIC GROVE UNIFIED SCHOOL DISTRICT
ROBERT DOWN ELEMENTARY SCHOOL
PAVING MAINTENANCE PROJECT

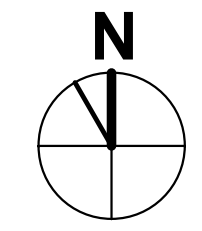
SHEET TITLE:
COVER SHEET

Revision Schedule table with columns for NO., Description, and Date, and a signature block for the Architect or Engineer.

3/20/2026 5:47:34 PM
Autodesk Docs://25.052 PGUSD RDES Site/25.052 PGUSD RDES Site.rvt
3"=1'-0"
8"
4"
2"
0"
1'-1/2"=1'-0"
6"
3/4"=1'-0"
2"
1/2"=1'-0"
0"
1/4"=1'-0"
8"
1/8"=1'-0"
4"
1/2"=1'-0"
0"
1/8"=1'-0"
16"
1/16"=1'-0"
32"
1"=10'-0"
20"
1"=20'-0"
40"
1"=40'-0"
80"



1 LOCAL FIRE AUTHORITY ACCESS PLAN
SCALE: 1" = 30'-0"



DSA APPLICATION DATA

BUILDING ID	BUILDING DESCRIPTION	DSA APPLICATION #	SQUARE FOOTAGE	CONSTRUCTION TYPE	OCC.
A (AREA-1)	CLASSROOMS	7234, 47206	15,379 S.F.	V-N (S)	E
A (AREA-2)	AUDITORIUM	10482, 01-105747	6,908 S.F.	V-N (S)	A-2
A (AREA-3)	CLASSROOMS (LOWER LEVEL)	01-110323, 01-114887	11,955 S.F.	V-N (S)	E
B	CLASSROOMS	4224	4,211 S.F.	V-N	E
C	CLASSROOMS (PORTABLE)	01-103114	2,880 S.F.	V-N	E
D	CLASSROOMS (PORTABLE)	01-103114	1,440 S.F.	V-N	E
E1	CLASSROOMS (PORTABLE)	01-116589	960 S.F.	V-B	E
E2	CLASSROOMS (PORTABLE)	01-116589	960 S.F.	V-B	E

NOTE:
(S): SPRINKLERED BUILDING

SHEET NOTES

- REFER TO CAMPUS SITE PLAN FOR ADDITIONAL INFORMATION

GRAPHIC KEY

- AC PAVING
- (E) BLDG (E) BUILDING - NOT IN SCOPE OF WORK
- (E) CONCRETE PAVING
- CONCRETE PAVING
- (E) LANDSCAPE
- PROPERTY LINE
- (E) CHAIN LINK FENCE
- (E) WOOD FENCE
- FIRE DEPARTMENT ACCESS ROAD
- (E) FIRE HYDRANT

KEYNOTES

- 11-001 BASKETBALL POST AND BACKBOARD, SEE DETAIL 9/A.2.2
- 11-002 TETHERBALL POLE, SEE DETAIL 7/A.1.2.2
- 11-003 BALLWALL, SEE DETAIL 12/A.1.2.2

FIRE & LIFE SAFETY FORM

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new buildings, additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgment by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire safety site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire safety site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

PROJECT INFORMATION

School District/Owner: Pacific Grove Unified School District
 Project Name/School: Robert Down Elementary School
 Project Address: 485 Pine Ave., Pacific Grove, CA 93950

FIRE & LIFE SAFETY INFORMATION

1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Refer to the following website for FHSZ locations: Fire Hazard Severity Zones & State Responsibility Area	Moderate <input type="checkbox"/>	High <input type="checkbox"/>	Very High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)	WIFA <input type="checkbox"/>		

DSA DSA 810 (revised 12/20/20) DEPARTMENT OF GENERAL SERVICES Page 1 of 4
DIVISION OF THE STATE ARCHITECT STATE OF CALIFORNIA

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED			
	Yes	No	N/A	NR
4. Emergency vehicle access roadways do not meet CFC requirements.				
4a. Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5. Fire Hydrants: Number and spacing does not meet CFC requirements.				
5a. Acceptable Alternate: Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.				
6a. Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.				
7a. Acceptable Alternate: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates
 By signing this form, the school district acknowledges and accepts the proposed design as an alternate to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: _____ Title: _____
 Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name: _____
 LFA Review Official: _____
 Title: _____ Work Phone: _____
 Work Email: _____
 LFA Reviewer's Signature: _____ Date: _____

DSA DSA 810 (revised 12/20/20) DEPARTMENT OF GENERAL SERVICES Page 2 of 4
DIVISION OF THE STATE ARCHITECT STATE OF CALIFORNIA

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3/2/26

PACIFIC GROVE UNIFIED SCHOOL DISTRICT
ROBERT DOWN ELEMENTARY SCHOOL PAVING MAINTENANCE PROJECT

485 PINE AVE
PACIFIC GROVE, CA 93950

SHEET TITLE:
FIRE LIFE SAFETY PLAN

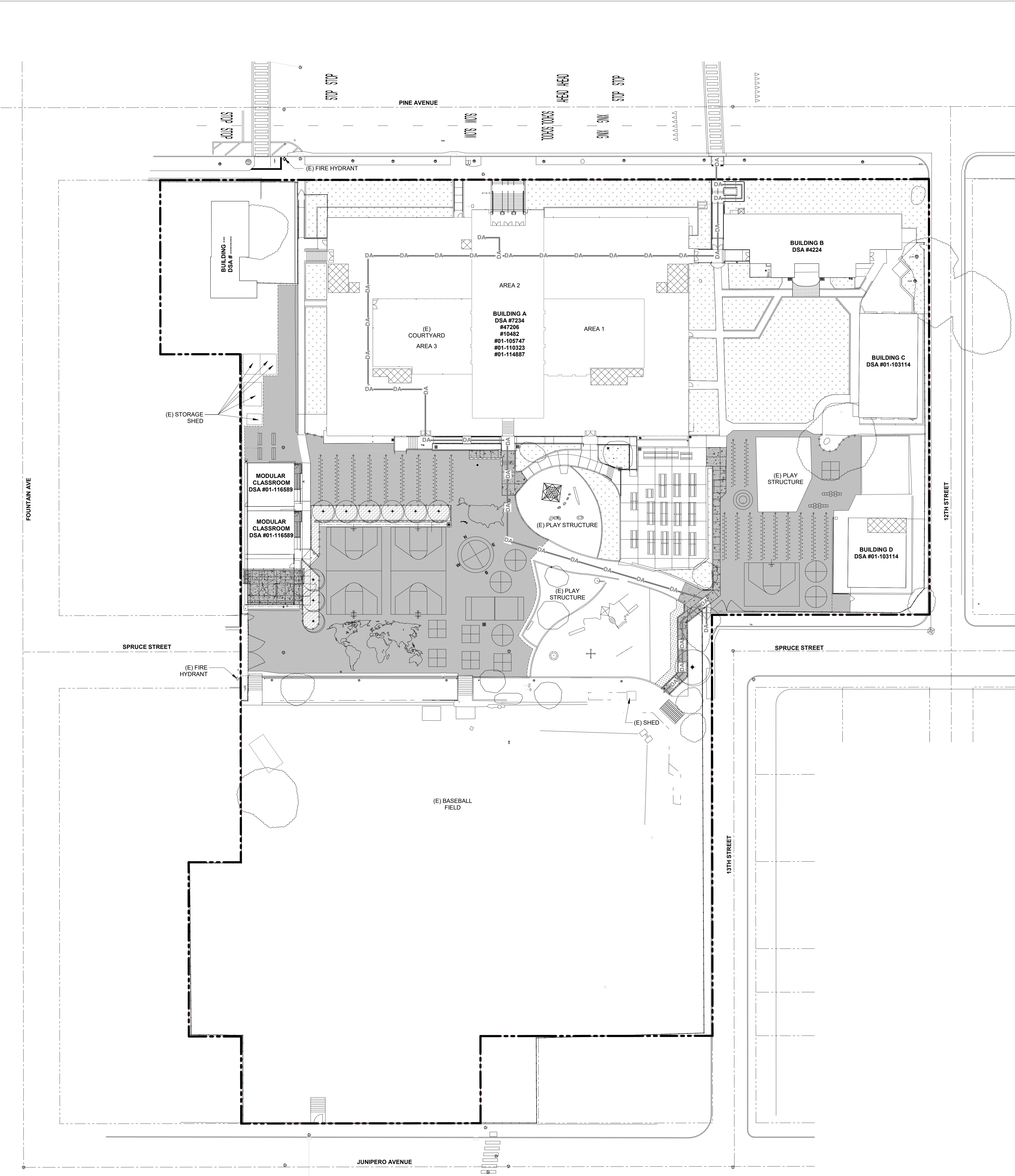
Revision Schedule

NO.	Description	Date

PROJECT # 25.052
ISSUE DATE: 03/23/2026

SHEET # **A0.10**

Autodesk Docs: 1/25.052 PGUSD RDES Site/25.052 PGUSD RDES Site.rvt
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1 ACCESS COMPLIANCE PLAN
SCALE: 1" = 30'-0"

SHEET NOTES

- A. THE D.A. POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR POT REQUIREMENTS FOR NEW CONSTRUCTION.
- B. ONLY D.A. POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS HAS BEEN EVALUATED TO BE COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS. COMPLIANCE OF PATHS OTHER THAN THOSE INDICATED HEREIN IS NEITHER CONFIRMED OR IMPLIED.
- C. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCOMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CCD.

PATH OF TRAVEL STATEMENT

D.A. PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESS WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. GROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. D.A. PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM HEIGHT AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND BELOW 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

NOTE: DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATION, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCOMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

KEYNOTES

□

LEGEND

- AC PAVING
- (E) BLDG (E) BUILDING - NOT IN SCOPE OF WORK
- (E) RESTROOM
- (E) CONCRETE PAVING
- CONCRETE PAVING
- (E) LANDSCAPE
- PROPERTY LINE
- (E) CHAIN LINK FENCE
- (E) WOOD FENCE
- DA-DA ACCESSIBLE PATH OF TRAVEL

PARKING ANALYSIS

THE ROBERT DOWN ELEMENTARY SCHOOL SITE CONTAINS NO ON-SITE PARKING. SCOPE OF WORK DOES NOT INCLUDE ANY NEW STANDARD PARKING NO NEW PARKING. AN EXISTING ACCESSIBLE PATH OF TRAVEL FROM THE EXISTING ADMINISTRATION BUILDING IS TO REMAIN AND IS NOT AFFECTED BY NEW WORK.

EXISTING PARKING LOT	
TOTAL PARKING SPACES	0
ACCESSIBLE SPACES REQUIRED	0
STANDARD SPACES PROVIDED	0
VAN ACCESSIBLE SPACES PROVIDED	0
ACCESSIBLE SPACES PROVIDED	0

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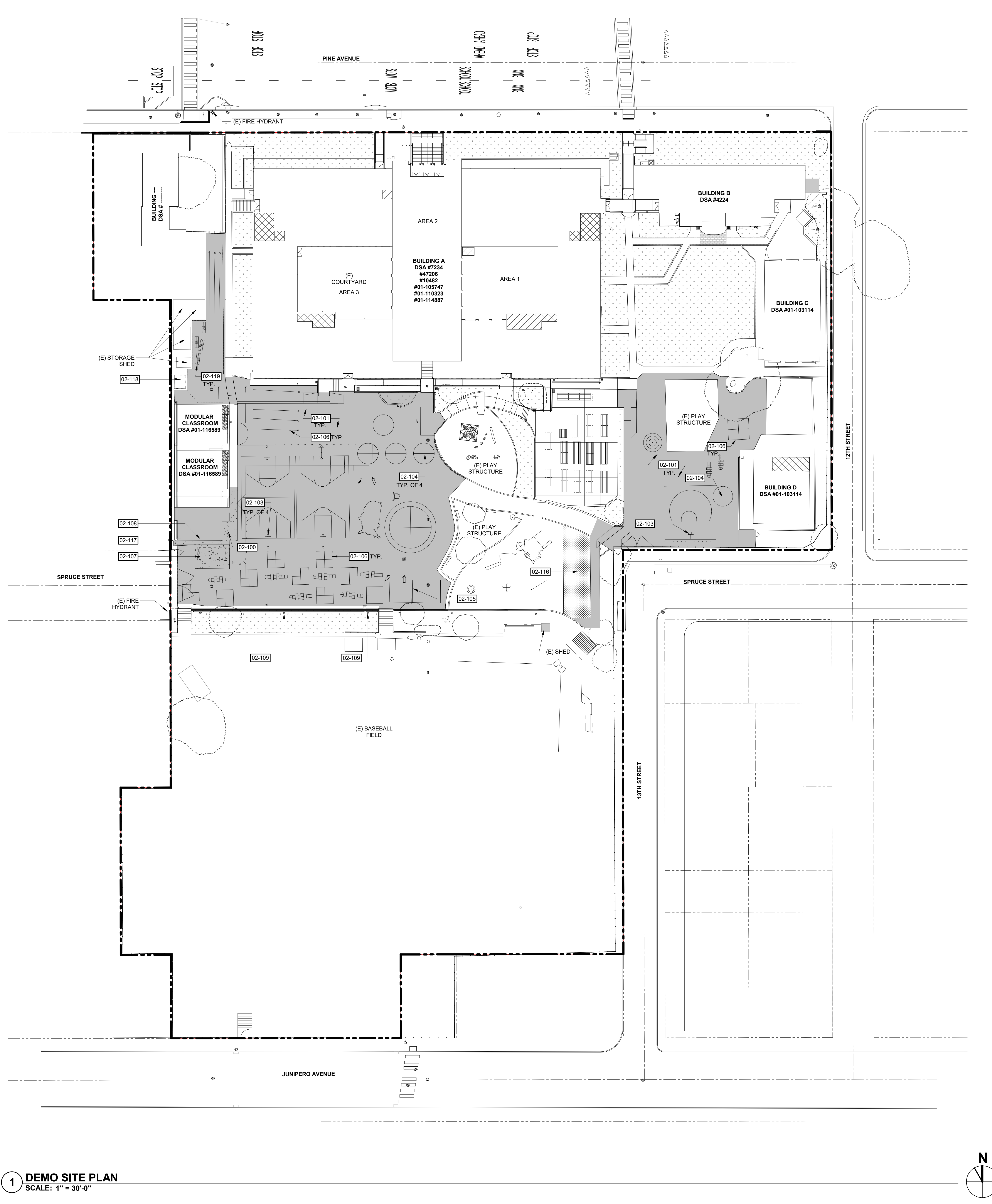
PACIFIC GROVE UNIFIED SCHOOL DISTRICT
ROBERT DOWN ELEMENTARY SCHOOL PAVING MAINTENANCE PROJECT
 485 PINE AVE
 PACIFIC GROVE, CA 93950

SHEET TITLE:
ACCESS COMPLIANCE PLAN

Revision Schedule		
NO.	Description	Date

PROJECT # 25.052 SHEET # **A0.11**
ISSUE DATE: 03/23/2026

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2" 3/4"=1'-0"
1" 1/2"=1'-0"
4" 1/2"=1'-0"
2" 1"=1'-0"
1" 1/4"=1'-0"
8" 1/4"=1'-0"
4" 1/8"=1'-0"
16" 1/8"=1'-0"
32" 1/16"=1'-0"
0' 1"=10'-0"
20' 1"=20'-0"
40' 1"=40'-0"
80' 1"=40'-0"



1 DEMO SITE PLAN
SCALE: 1" = 30'-0"

SHEET NOTES

A. NO DEMOLITION SHALL BEGIN UNTIL PLANS, INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA. SAFE OFF ALL UTILITIES AS REQUIRED FOR DEMOLITION AND NEW WORK. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION

KEYNOTES

- 02-100 REMOVE (E) CONC. PAVING, AS REQUIRED FOR NEW WORK. PROTECT (E) UTILITIES TO REMAIN.
- 02-101 REMOVE (E) AC PAVING, AS REQUIRED FOR NEW WORK. PROTECT (E) UTILITIES TO REMAIN.
- 02-103 REMOVE (E) BASKETBALL POST, FOOTING AND BACKBOARD, TYP.
- 02-104 REMOVE (E) TETHERBALL POLE AND FOOTING, TYP.
- 02-105 REMOVE (E) BALLWALL AND FOOTING, TYP.
- 02-106 REMOVE (E) PLAYGROUND STRIPINGS, REFER TO SHEET A1.11 FOR NEW STRIPINGS.
- 02-107 REMOVE (E) CMU TRASH ENCLOSURE, PAD AND FOOTING
- 02-108 REMOVE (E) CONC CURB AND FOOTING
- 02-109 REMOVE (E) SITE LIGHTING
- 02-116 REMOVE (E) SYNTHETIC TURF
- 02-117 REMOVE (E) CHAINLINK FENCE AND GATE
- 02-118 (E) SHED TO BE RELOCATED BY THE SCHOOL DISTRICT
- 02-119 (E) BIKE RACK TO BE RELOCATED. SEE SHEET A1.11 FOR THE NEW LOCATION

LEGEND

- REMOVE (E) AC PAVING AND (E) CONC. PAVING. PROTECT (E) UTILITIES TO REMAIN
- REMOVE (E) SYNTHETIC TURF
- (E) BLDG (E) BUILDING - NOT IN SCOPE OF WORK
- (E) RESTROOM
- (E) CONCRETE PAVING
- (E) LANDSCAPE
- PROPERTY LINE

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PACIFIC GROVE UNIFIED SCHOOL DISTRICT
ROBERT DOWN ELEMENTARY SCHOOL PAVING MAINTENANCE PROJECT

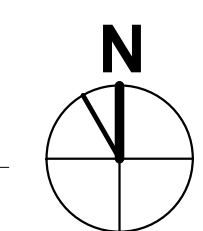
485 PINE AVE
PACIFIC GROVE, CA 93950

SHEET TITLE:
DEMO SITE PLAN

Revision Schedule		
NO.	Description	Date

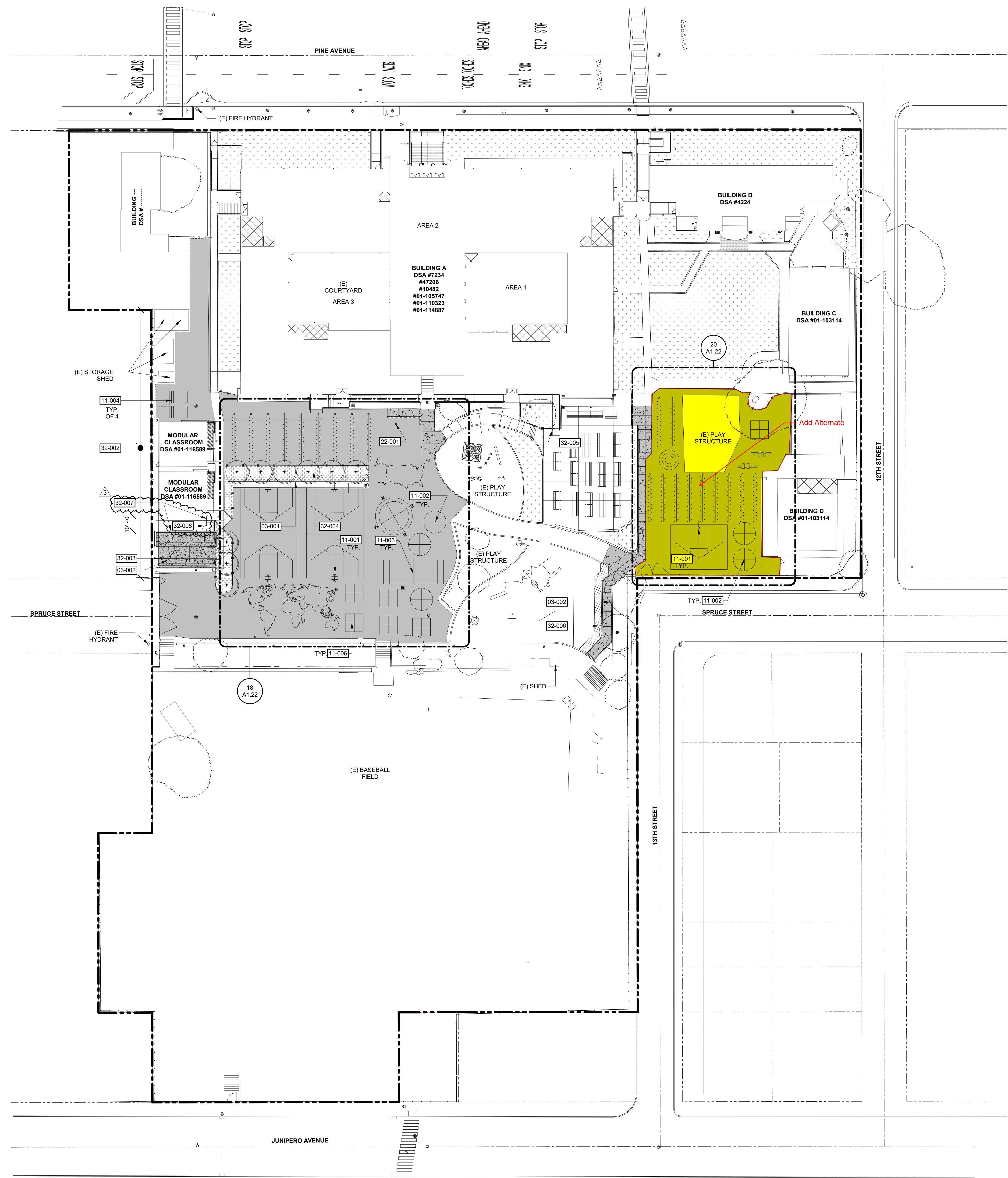
PROJECT # 25.052
ISSUE DATE: 03/23/2026

SHEET # **A1.01**



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0"
8"
4"
1"=10'-0"
20"
1"=10'-0"
40"
1"=20'-0"
0"
20"
1"=40'-0"
80"
1"=40'-0"

1 CAMPUS SITE PLAN
SCALE: 1" = 30'-0"



SHEET NOTES

- A. THIS SITE PLAN IS PROVIDED TO SHOW THE EXTENT OF THE SCHOOL PROPERTY AND ESTABLISH THE GENERAL AREA OF WORK ONLY. REFER TO LARGER SCALE DRAWINGS FOR DETAILED SCOPE OF WORK.
- B. BOUNDARY OR PROPERTY LINES SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY AND SHOULD NOT BE USED FOR HORIZONTAL CONTROL OR ON-SITE CONSTRUCTION LOCATING.
- C. ONLY D.A. POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS HAS BEEN EVALUATED TO BE COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS. COMPLIANCE OF PATHS OTHER THAN THOSE INDICATED HEREIN IS NEITHER CONFIRMED OR IMPLIED.
- D. SEE SHEET A1.22 FOR COURT STRIPING DETAILS AND DIMENSIONS.

KEYNOTES

- 03-001 CONC. SEAT WALLS, TYP.
- 03-002 CONC. PAVING
- 11-001 BASKETBALL POST AND BACKBOARD, SEE DETAIL 9/A1.22
- 11-002 TETHERBALL POLE, SEE DETAIL 7/A1.22
- 11-003 BALLWALL, SEE DETAIL 12/A1.22
- 11-004 RELOCATED BIKE RACK WITH (N) ANCHORAGE, SEE DETAIL 5/A1.21
- 11-006 FOURSQUARE COURT, SEE DETAIL 4/A1.22
- 22-001 OUTDOOR BOTTLE FILLING STATION, ELKAY MODEL LK400BF, SEE DETAIL 9/A1.21
- 32-002 CONCRETE STRESS PAD AT ENCLOSURE AND APRON
- 32-003 METAL BOLLARD, SEE DETAIL 1/A1.21
- 32-004 LANDSCAPING
- 32-005 HANDRAIL
- 32-006 SYNTHETIC TURF
- 32-007 CHAIN LINK FENCE, SEE DETAIL 28.3/A1.21
- 32-008 CHAIN LINK GATE, SEE DETAIL 4/A1.21

LEGEND

- AC PAVING
- (E) BLDG - NOT IN SCOPE OF WORK
- (E) RESTROOM
- (E) CONCRETE PAVING
- CONCRETE PAVING
- (E) LANDSCAPE
- PROPERTY LINE

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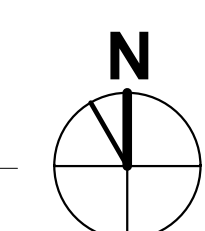
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3/2/26

PACIFIC GROVE UNIFIED SCHOOL DISTRICT
ROBERT DOWN ELEMENTARY SCHOOL PAVING MAINTENANCE PROJECT
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SHEET TITLE:
CAMPUS SITE PLAN

Revision Schedule		
NO.	Description	Date
3	ADDENDUM 3	3/23/26

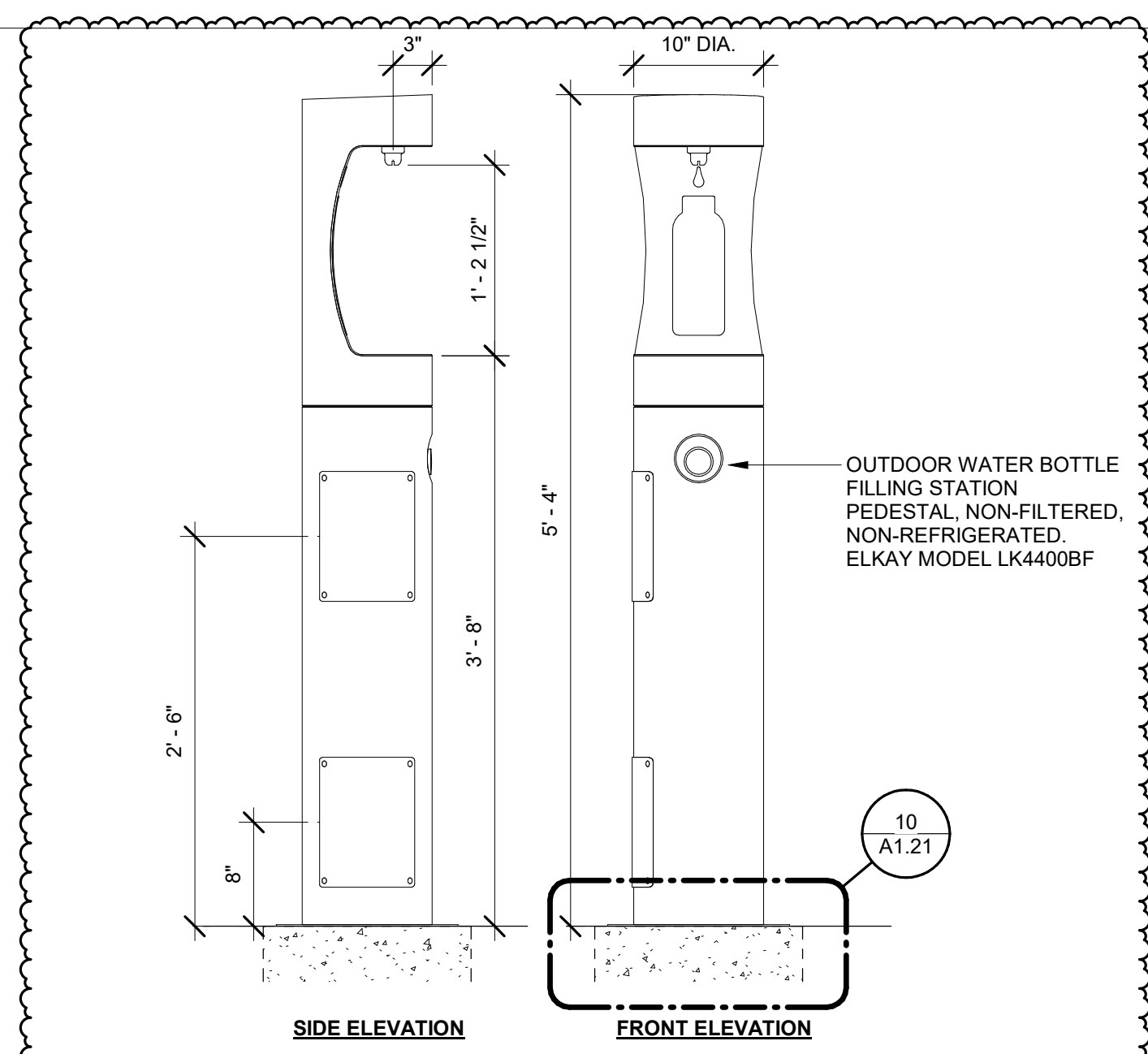
PROJECT # 25.052
ISSUE DATE: 03/23/2026
SHEET # **A1.11**



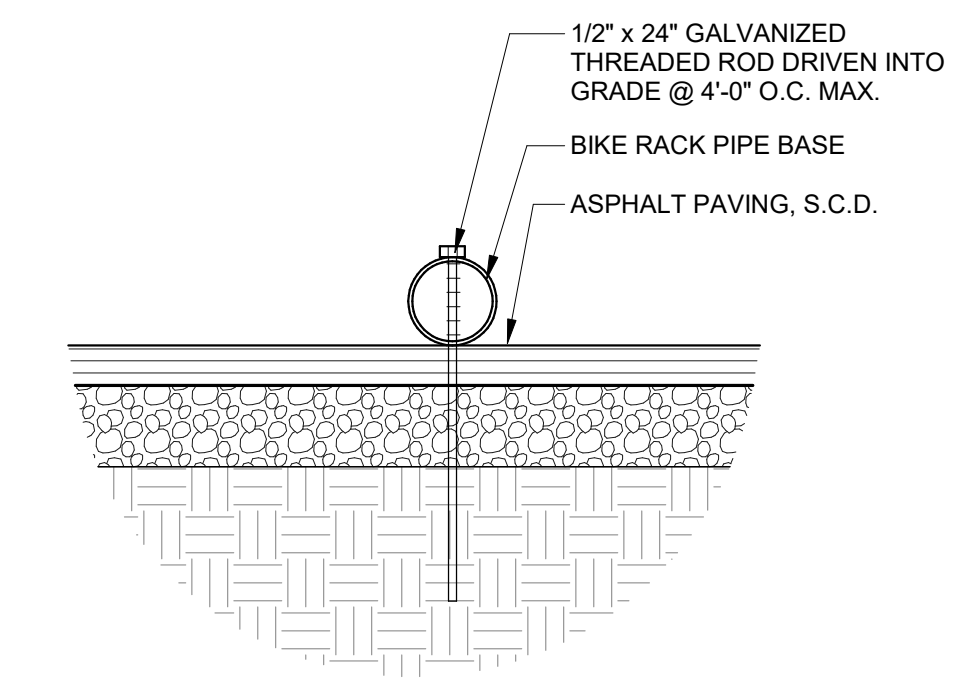
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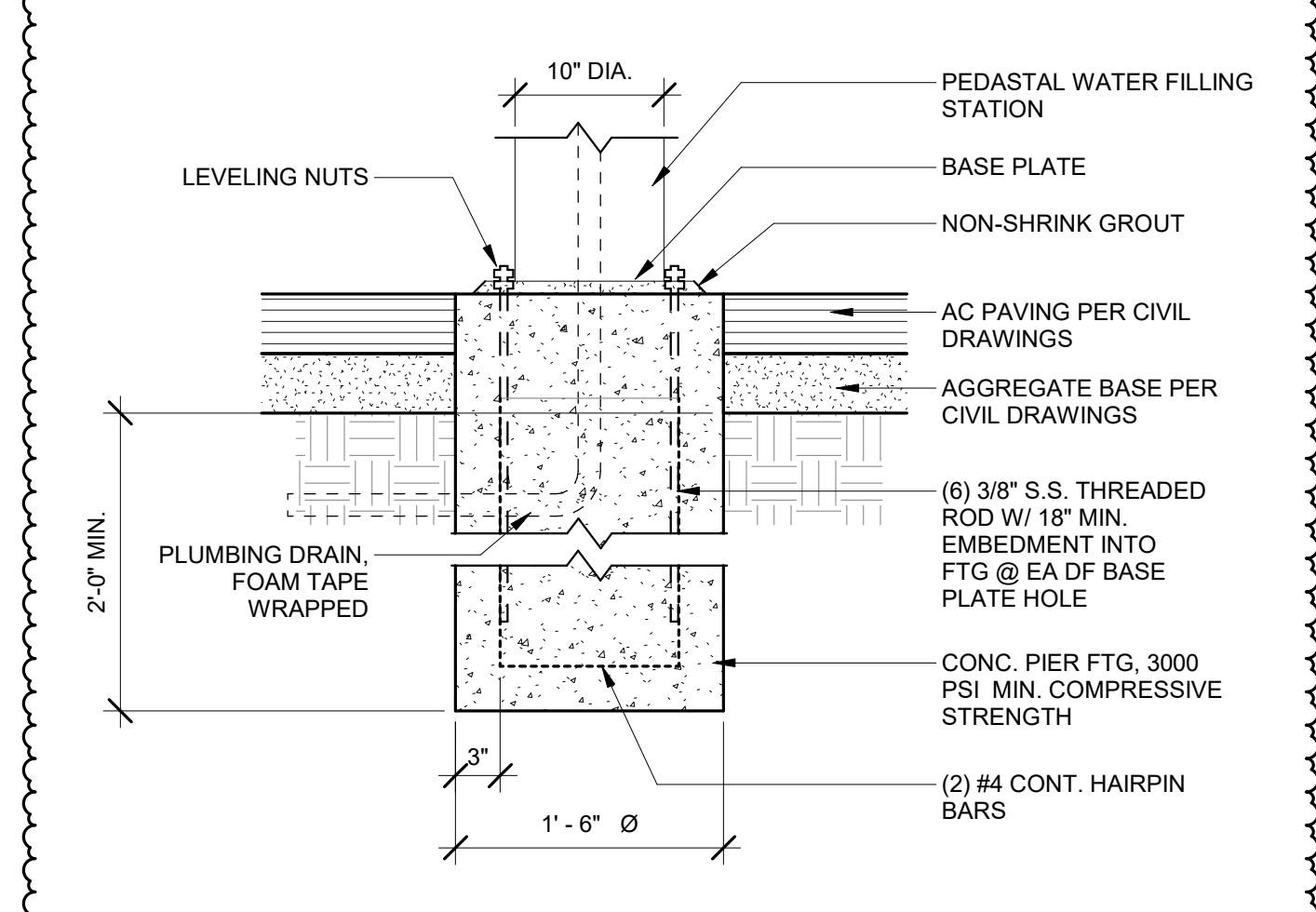
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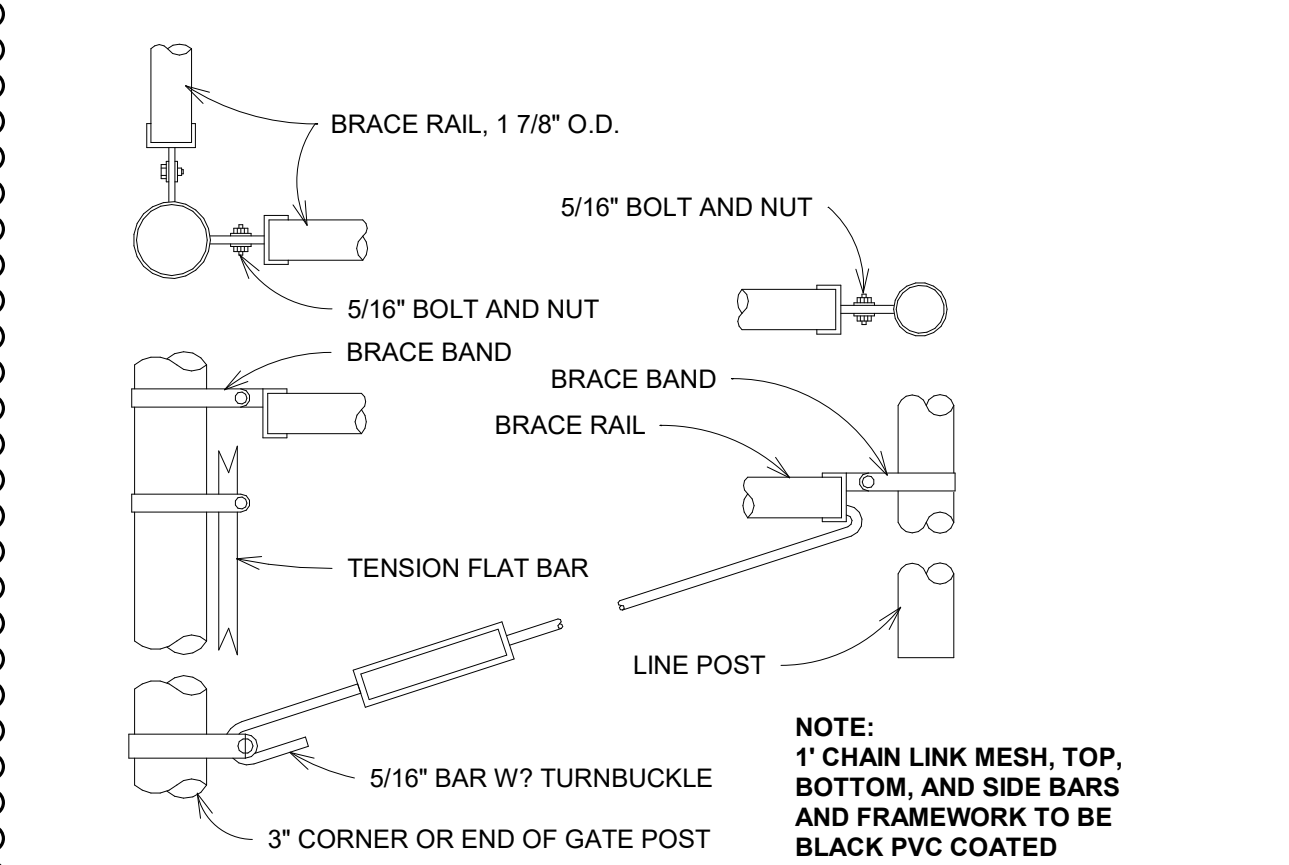
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SCALE: 1" = 1'-0"



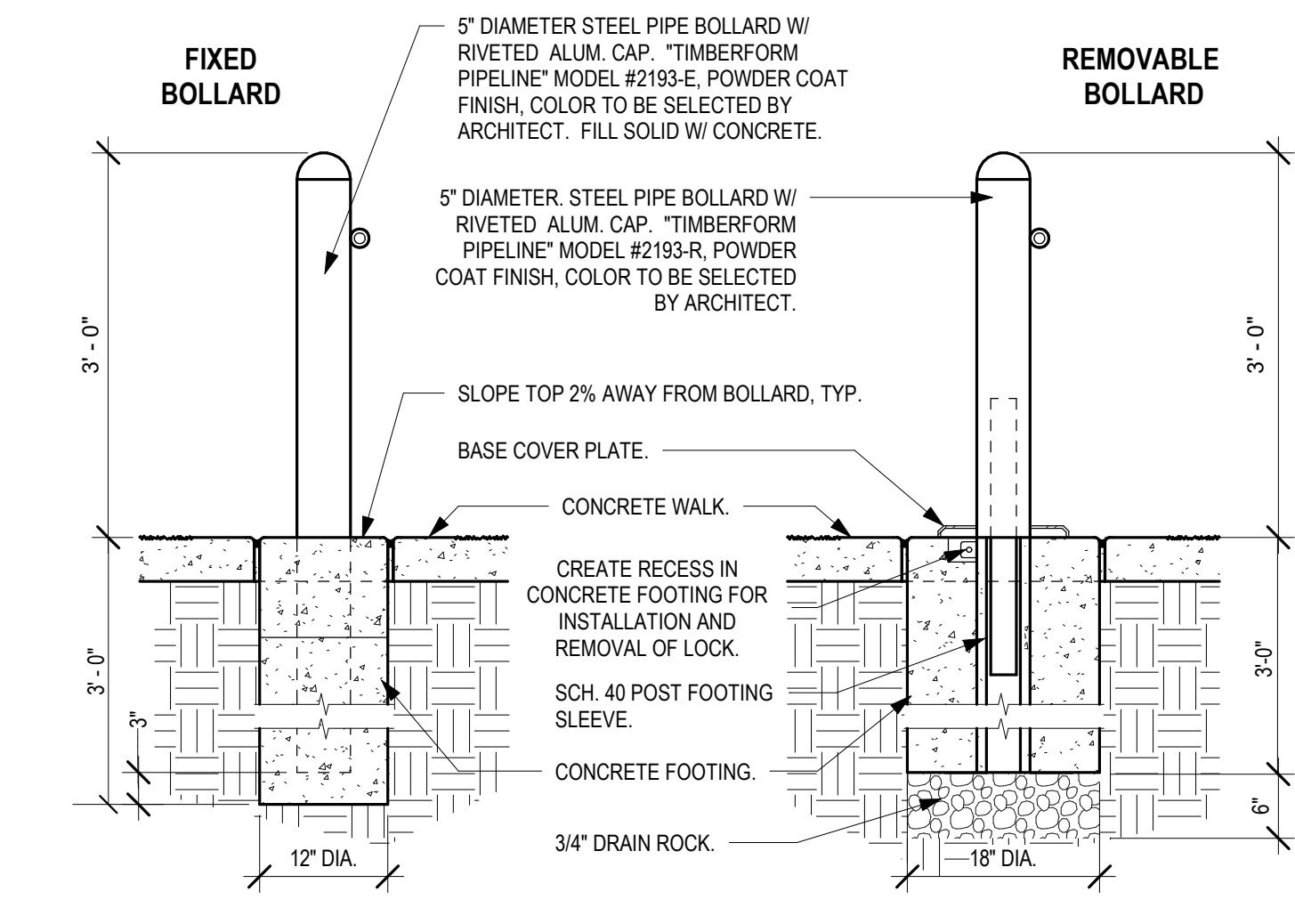
5 BIKE RACK ATTACHMENT
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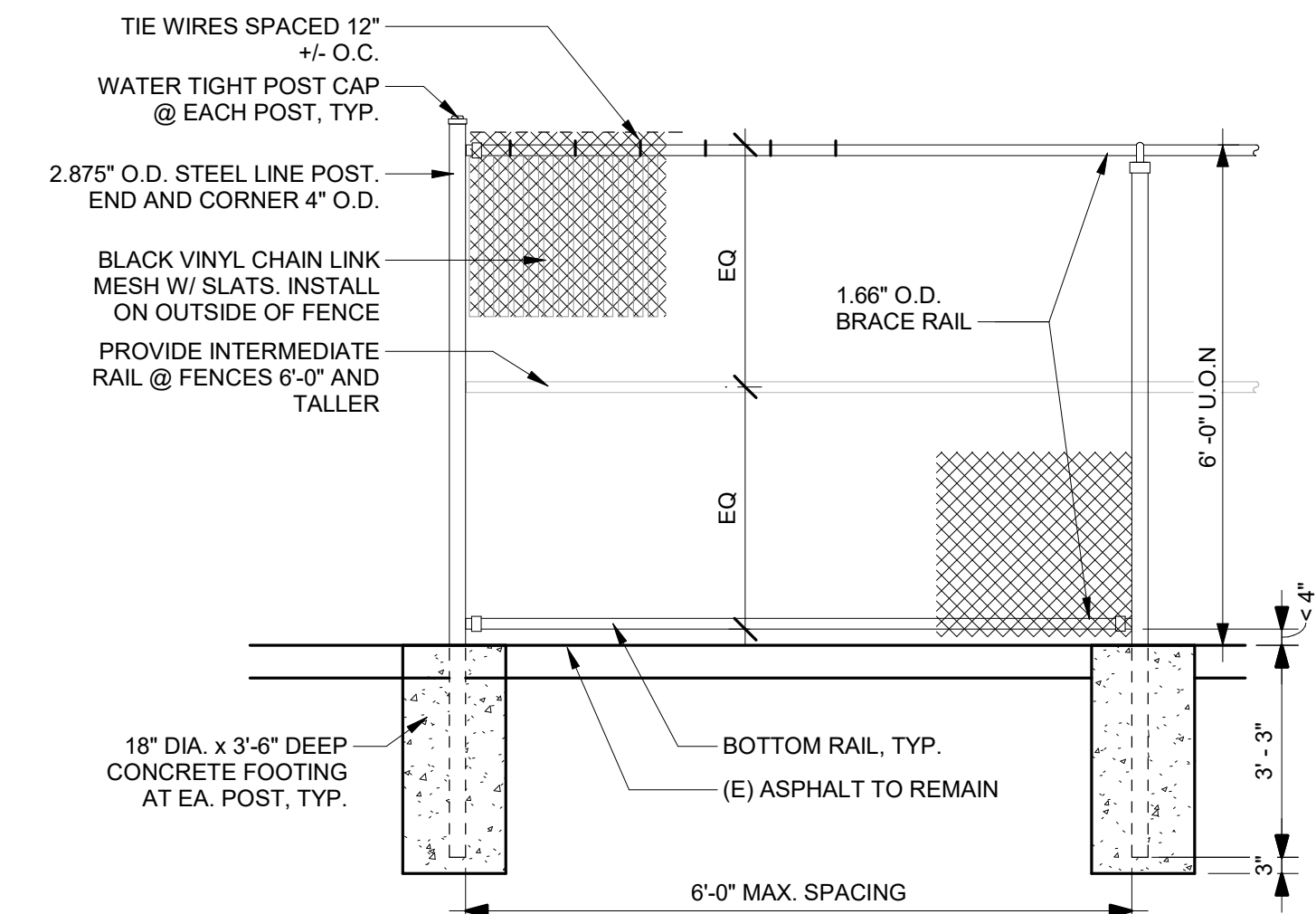
10 BOTTLE FILLER STATION FOOTING
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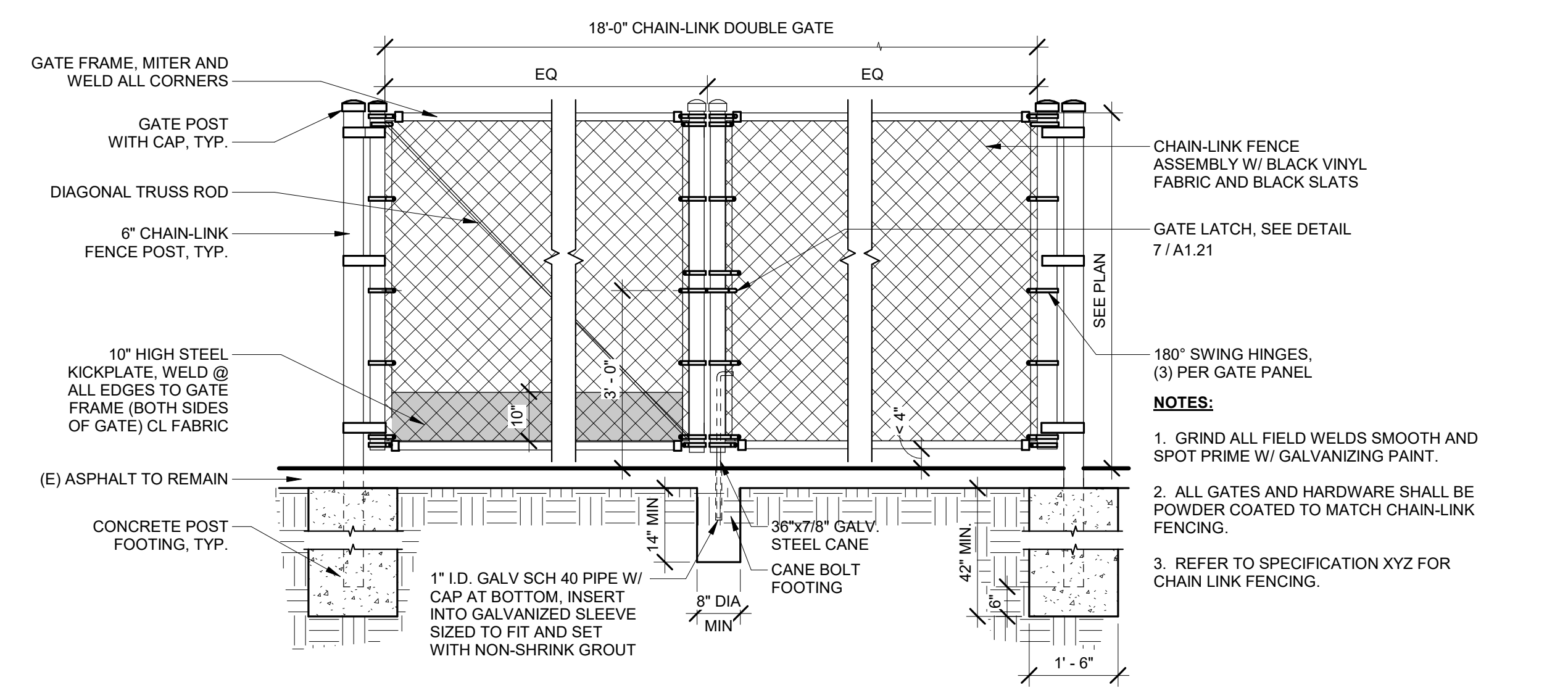
6 CHAIN LINK FENCE CONNECTIONS
SCALE: 1 1/2" = 1'-0"



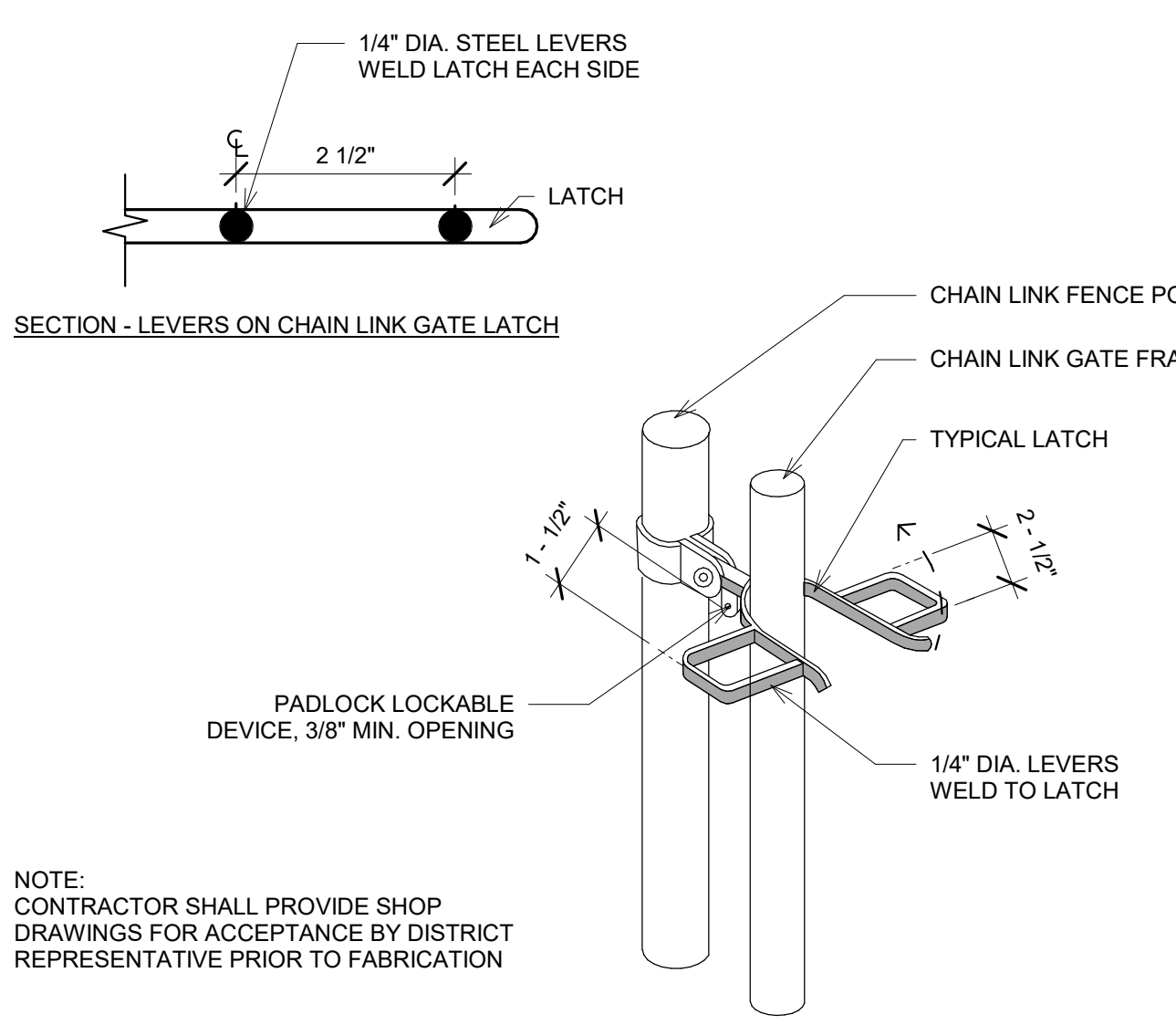
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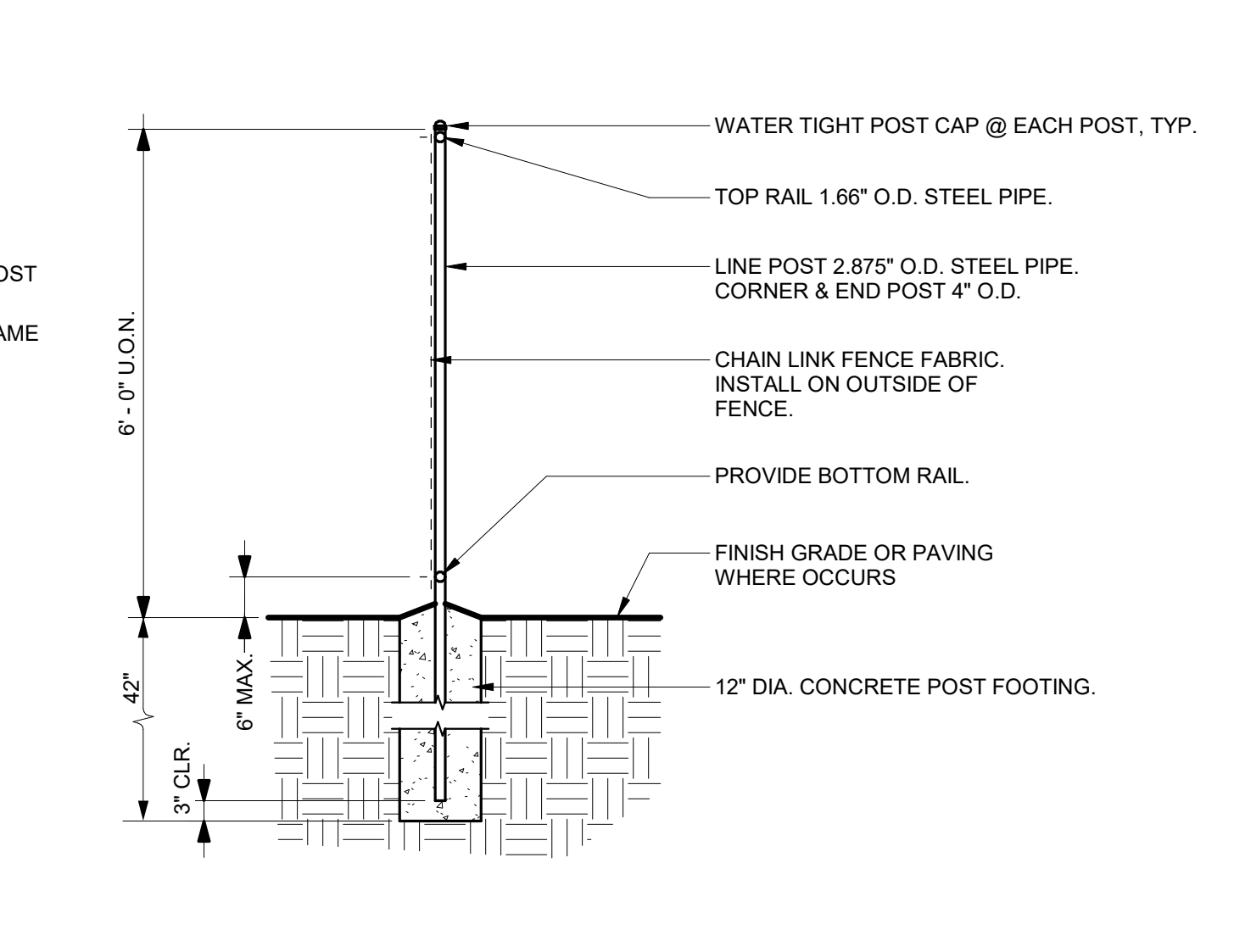
2 CHAIN LINK FENCE ELEVATION
SCALE: 3/8" = 1'-0"



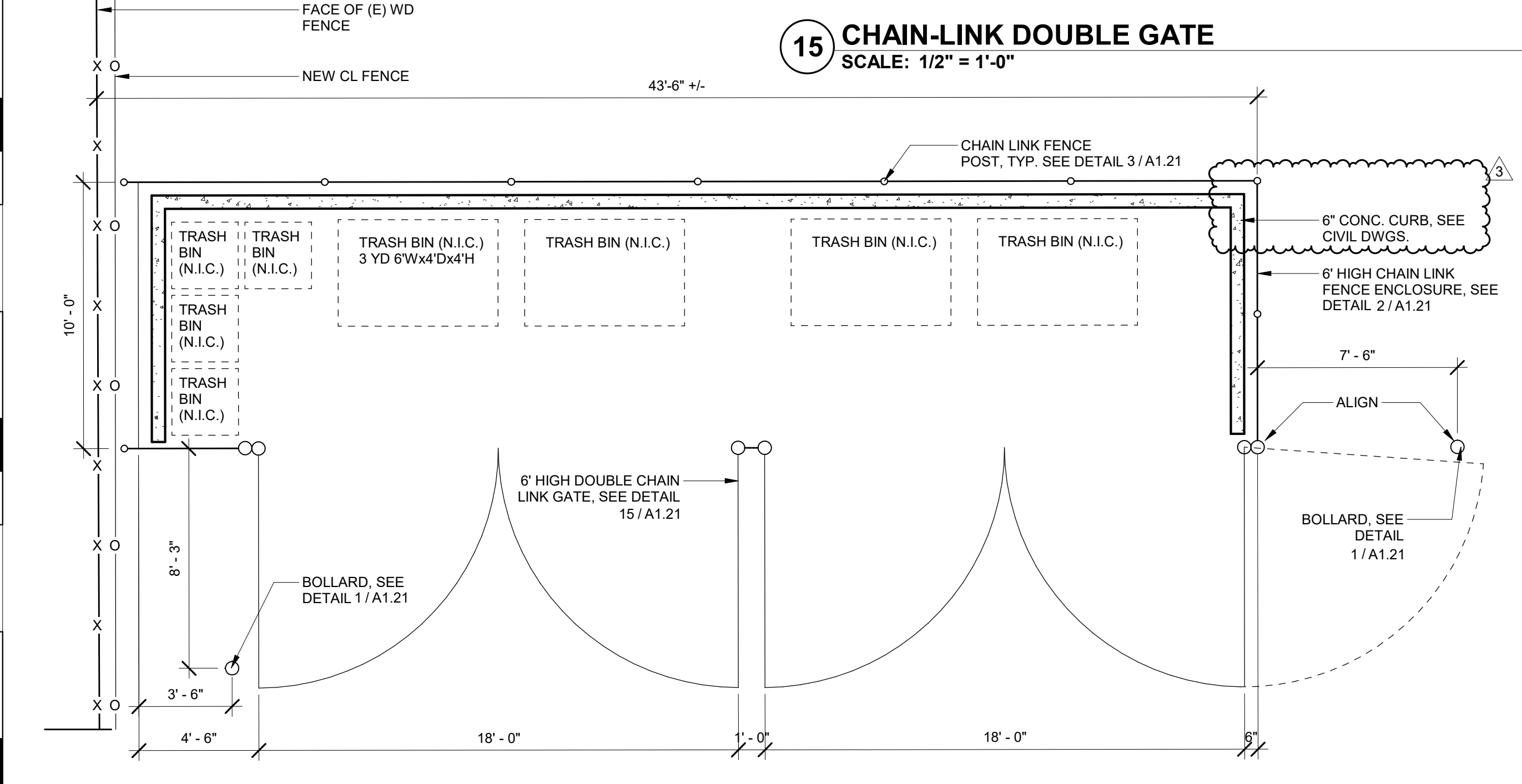
15 CHAIN-LINK DOUBLE GATE
SCALE: 1/2" = 1'-0"



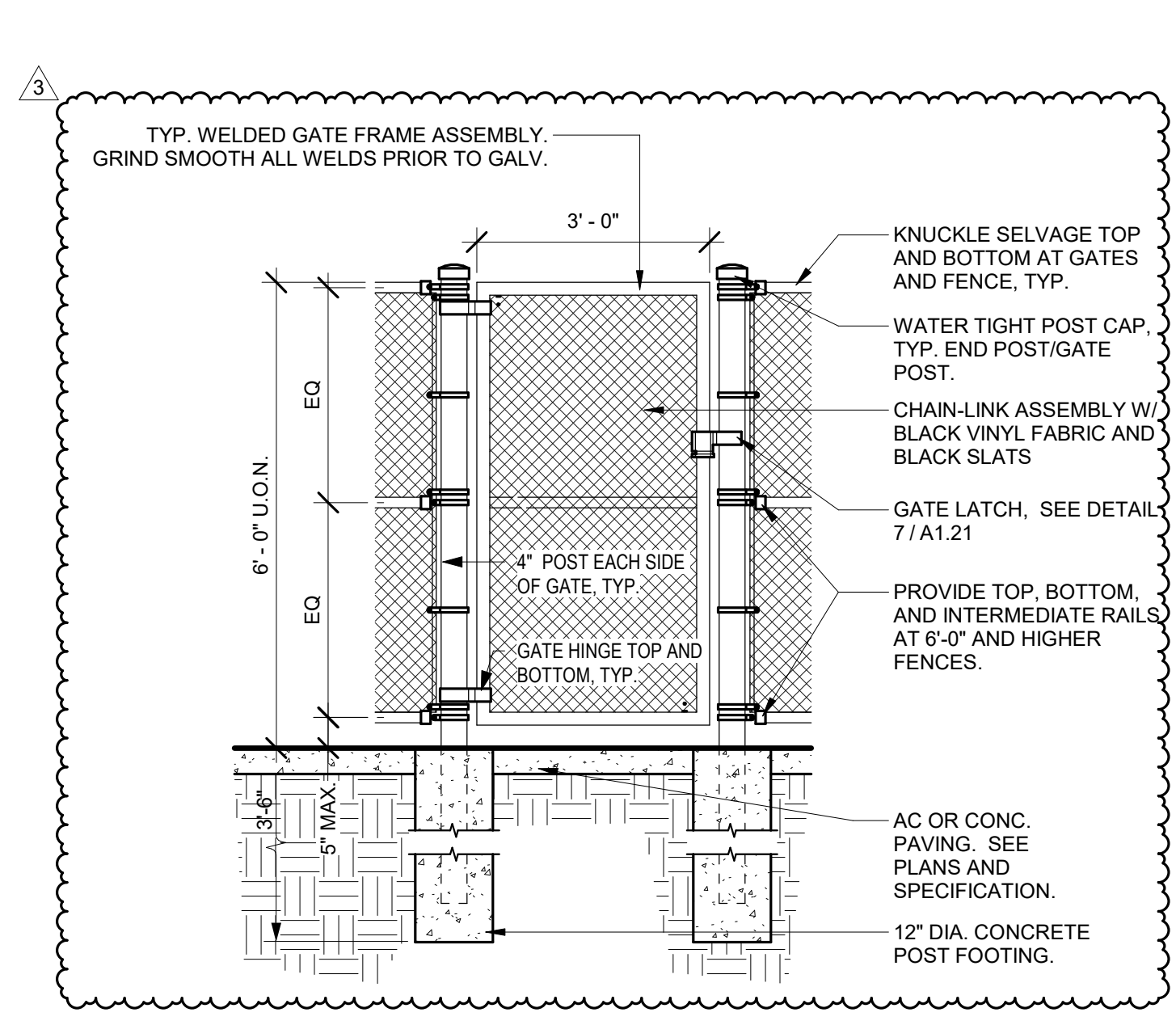
7 CHAIN-LINK GATE LATCH
SCALE: 6" = 1'-0"



3 CHAIN-LINK FENCE, TYP.
SCALE: 1/2" = 1'-0"



20 ENLARGED PLAN - TRASH ENCLOSURE
SCALE: 1/4" = 1'-0"



4 CHAIN-LINK GATE
SCALE: 1/2" = 1'-0"

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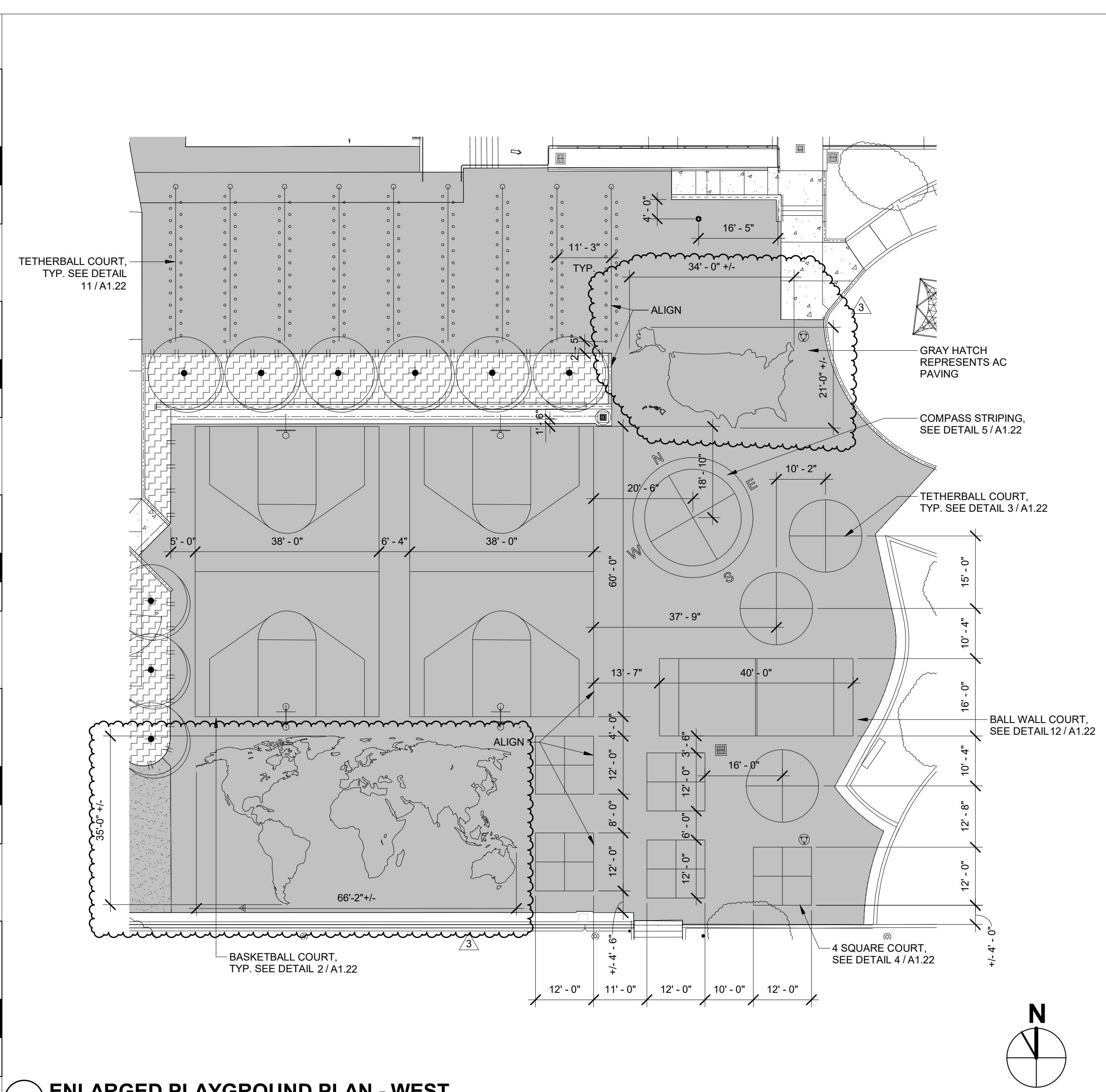
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PACIFIC GROVE UNIFIED SCHOOL DISTRICT
ROBERT DOWN ELEMENTARY SCHOOL PAVING MAINTENANCE PROJECT
485 PINE AVE
PACIFIC GROVE, CA 93950

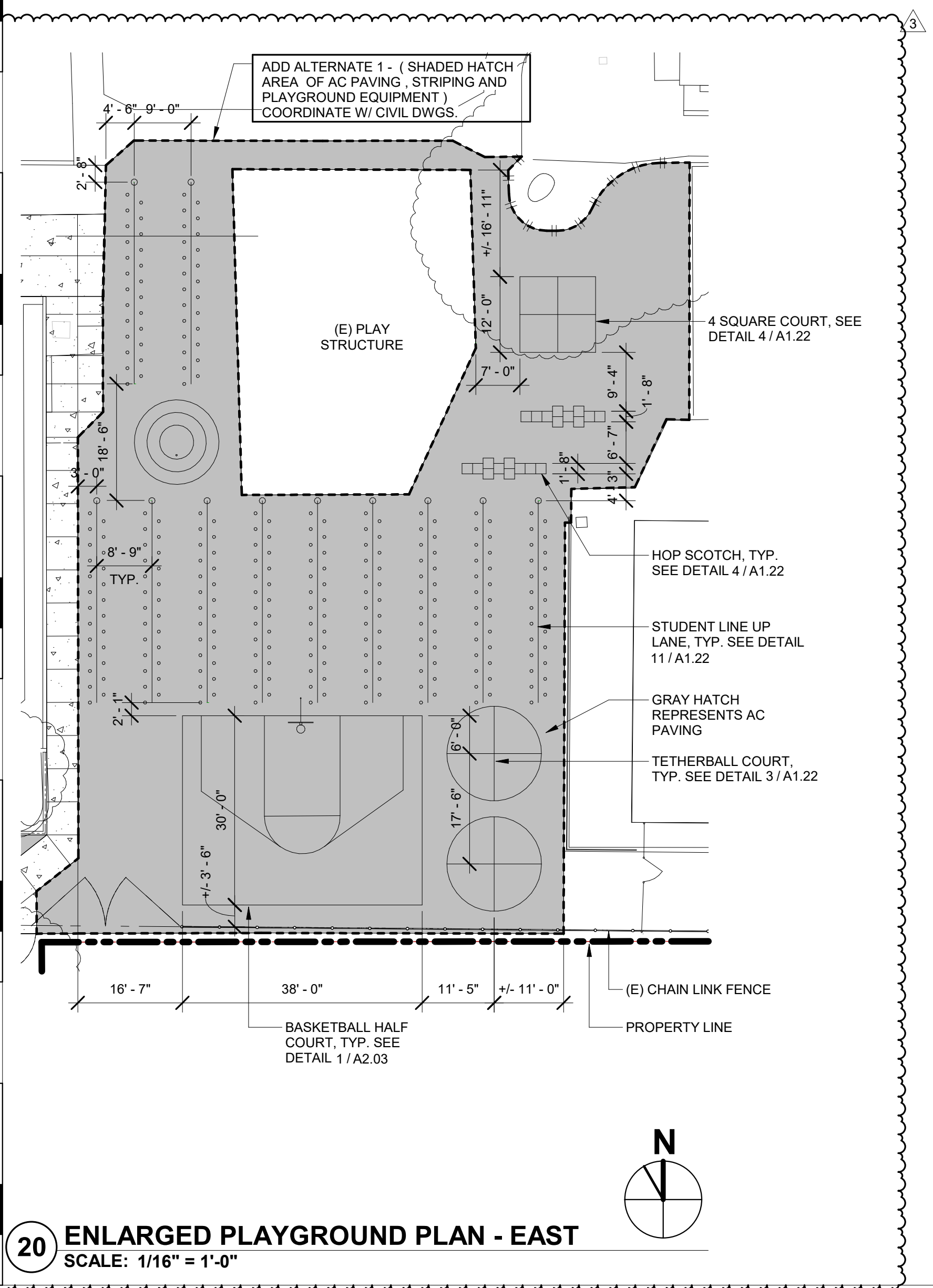
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SITE DETAILS

Revision Schedule		
NO.	Description	Date
3	ADDENDUM 3	3/23/26

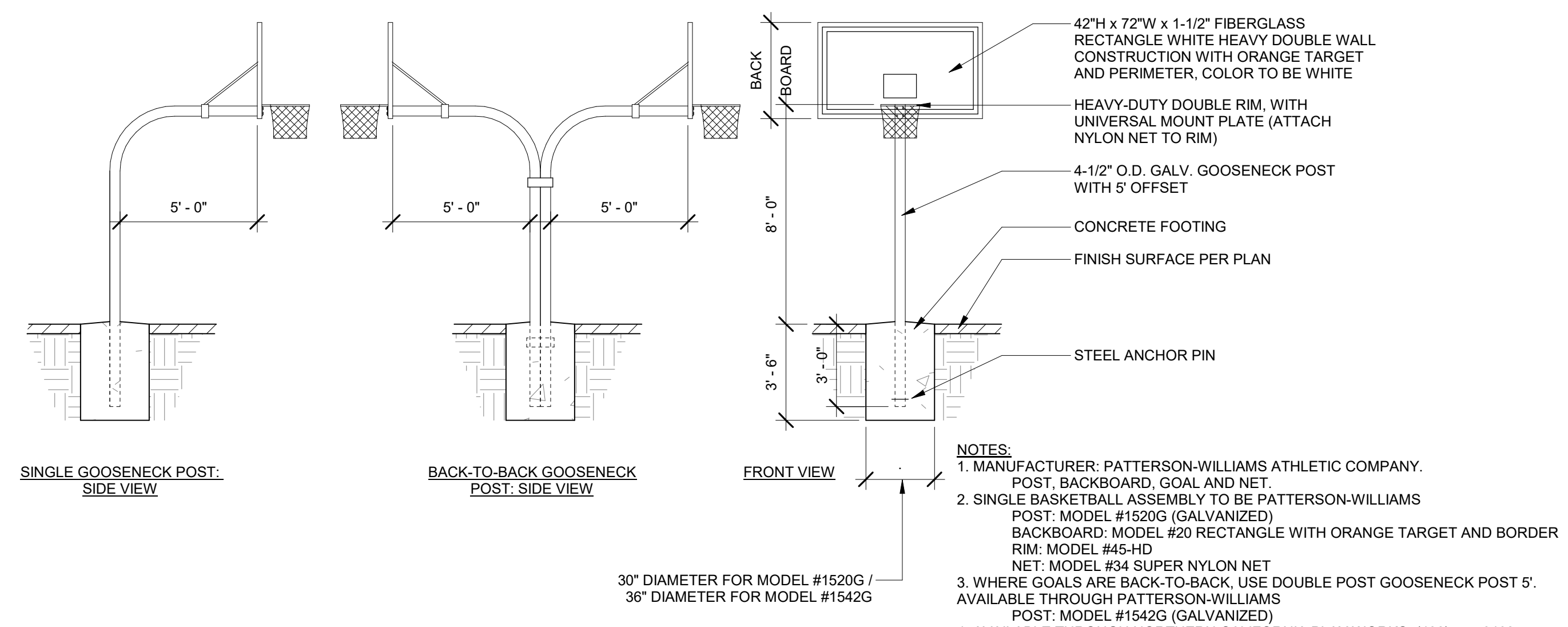
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25.052
ISSUE DATE:
03/23/2026
SHEET #
A1.21



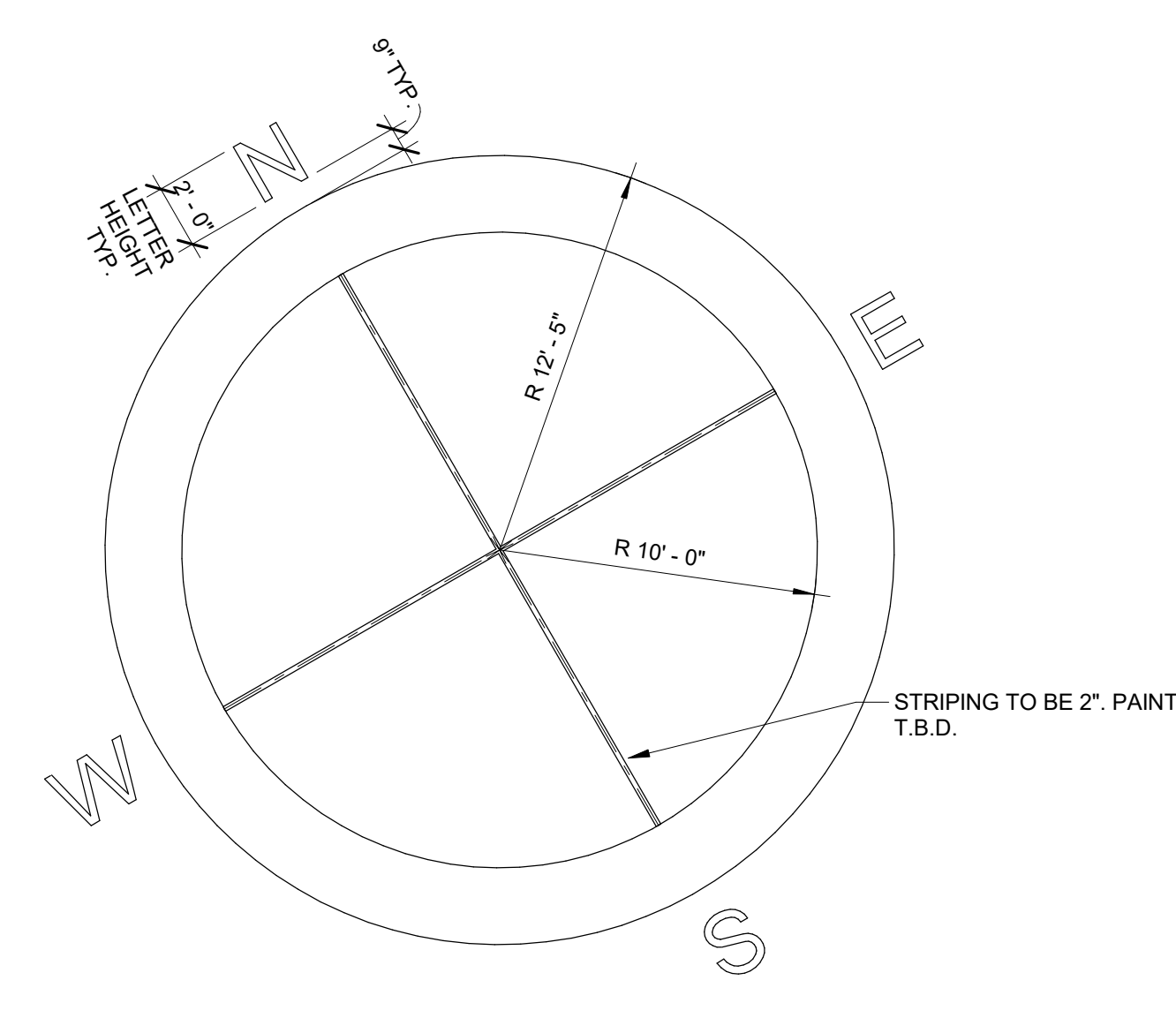
18 ENLARGED PLAYGROUND PLAN - WEST
SCALE: 1/16" = 1'-0"



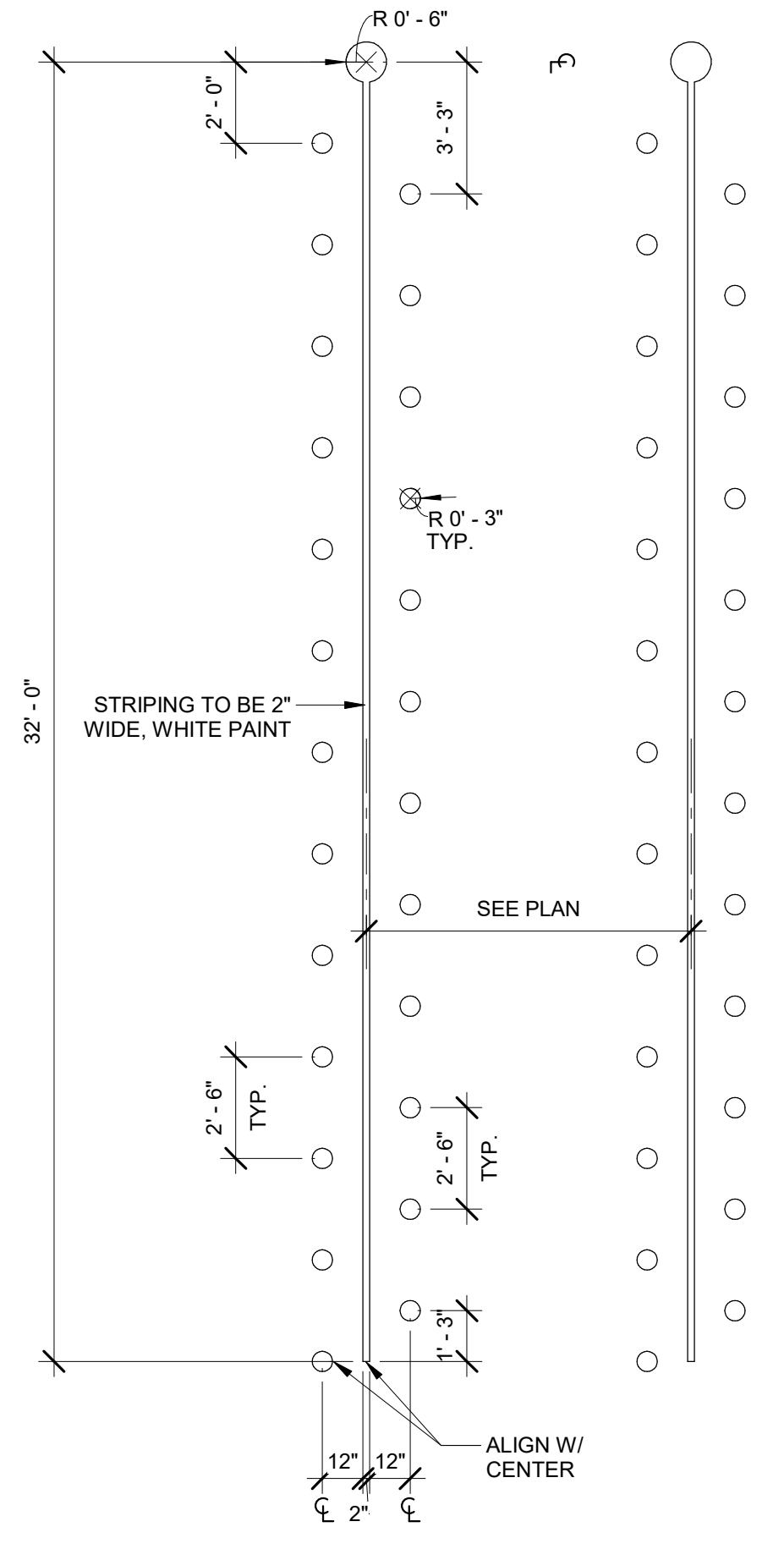
20 ENLARGED PLAYGROUND PLAN - EAST
SCALE: 1/16" = 1'-0"



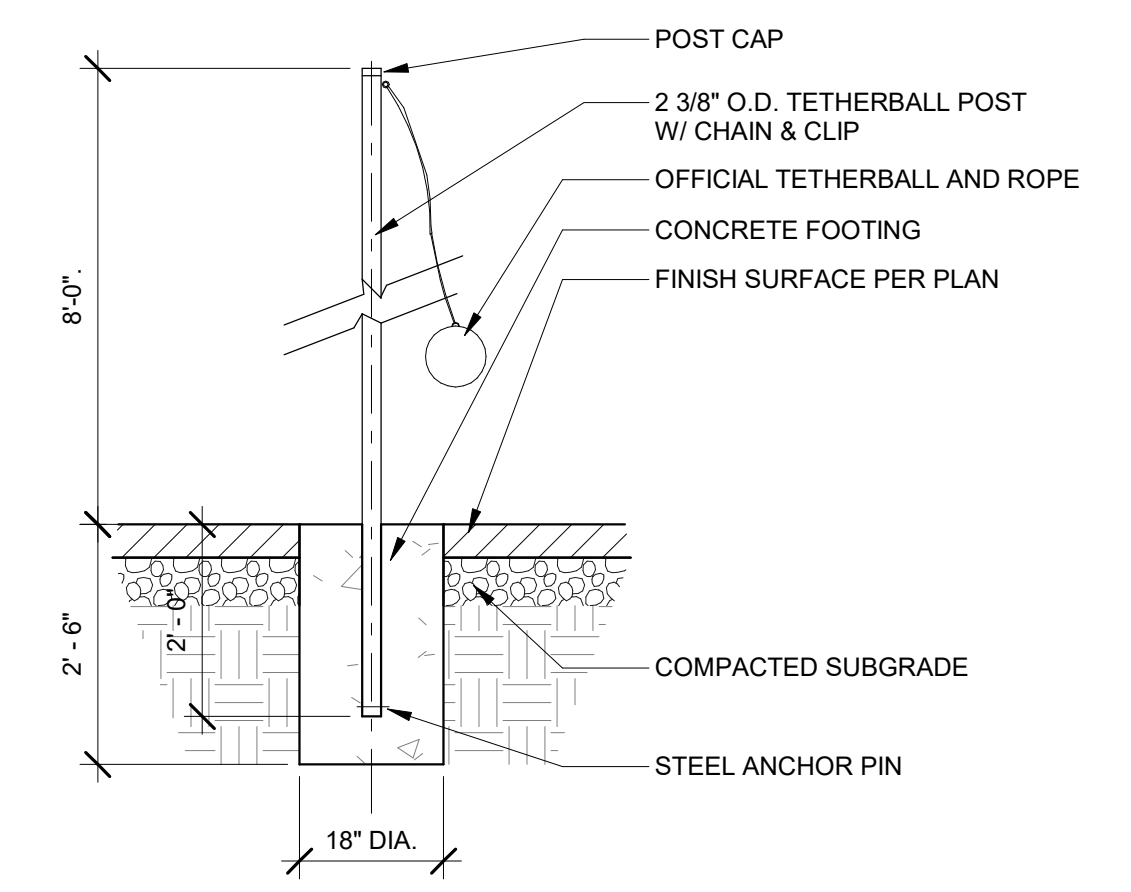
9 BASKETBALL POST ASSEMBLY
SCALE: 1/4" = 1'-0"



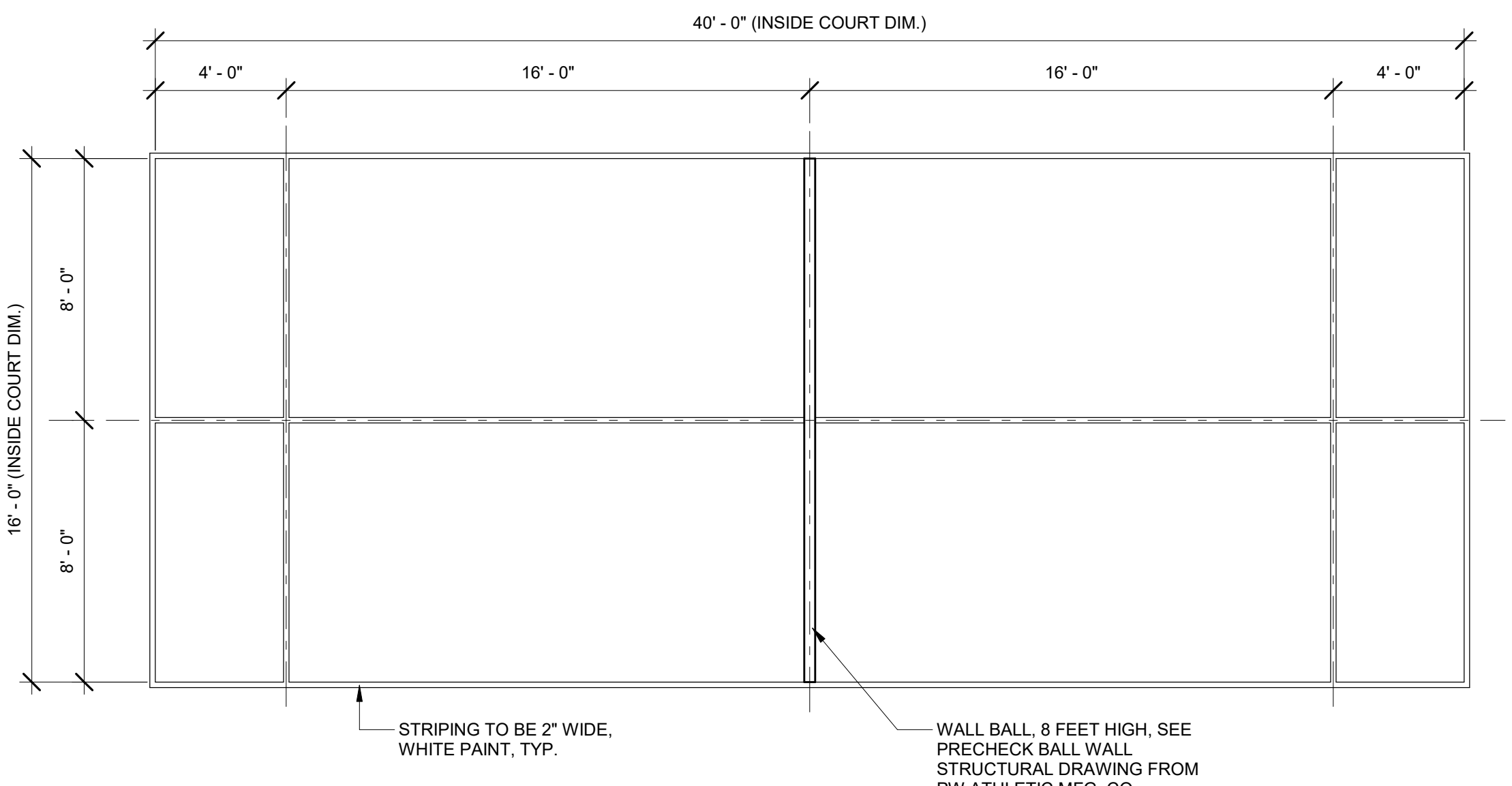
5 COMPASS STRIPING
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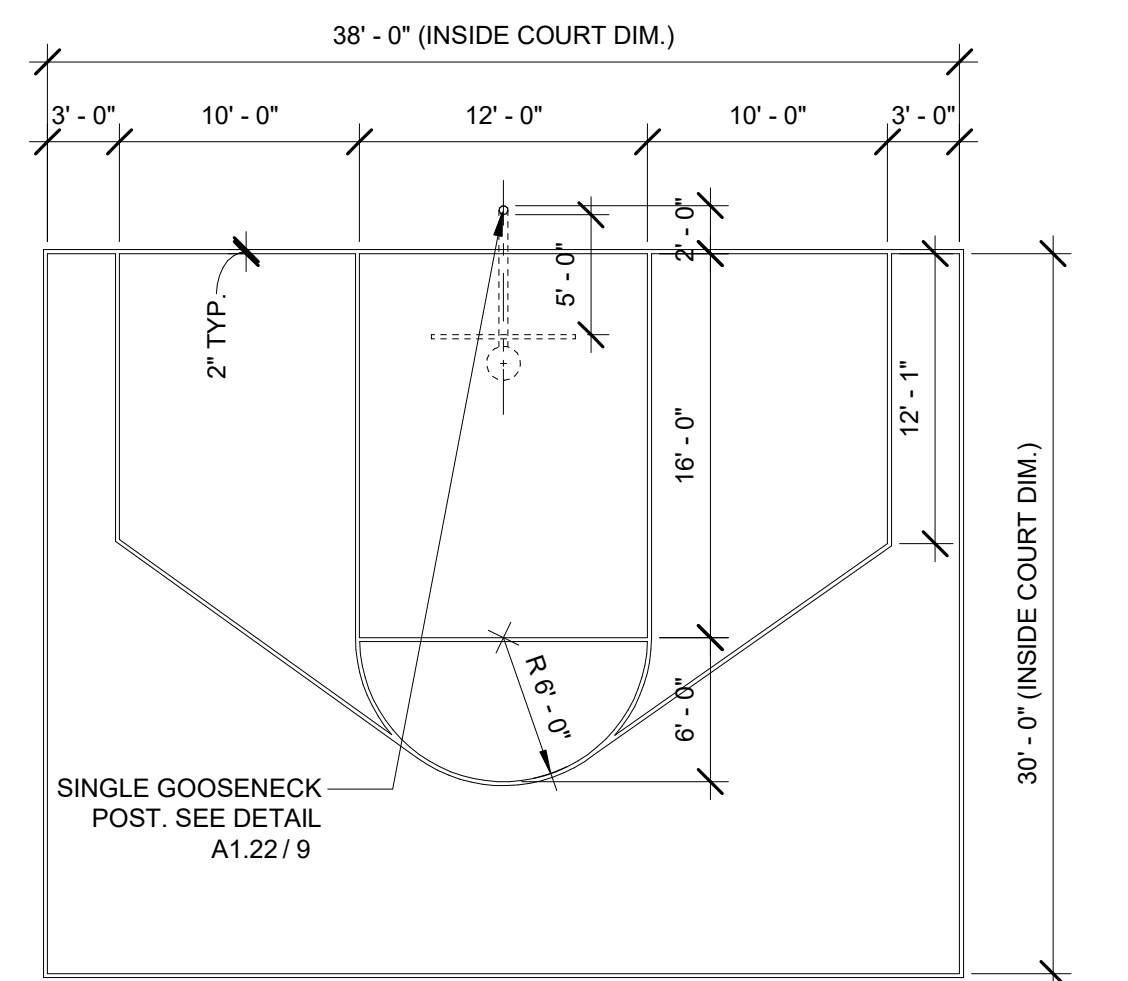
11 STUDENT LINE UP LANE
SCALE: 1/4" = 1'-0"



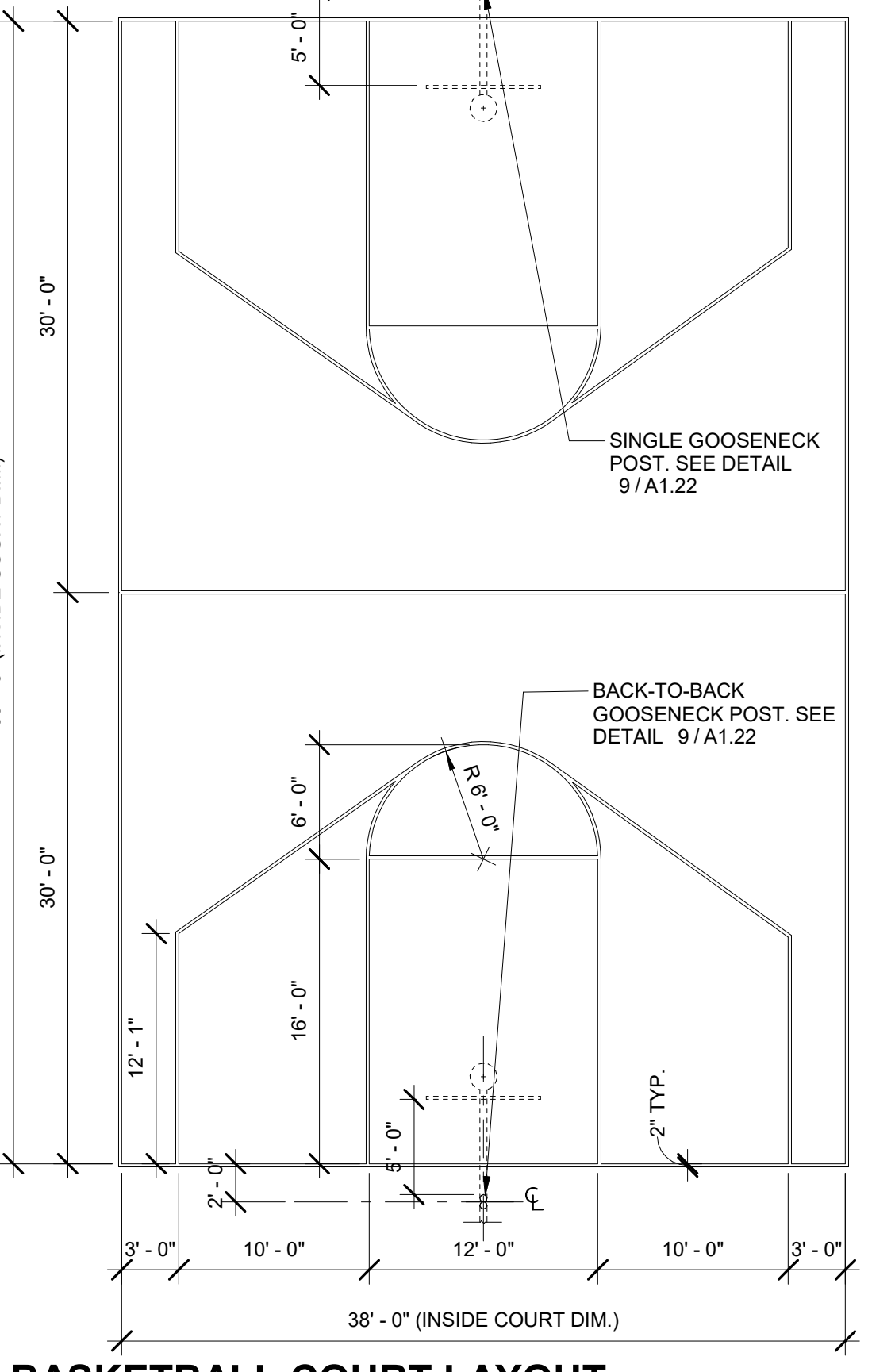
7 TETHERBALL POST
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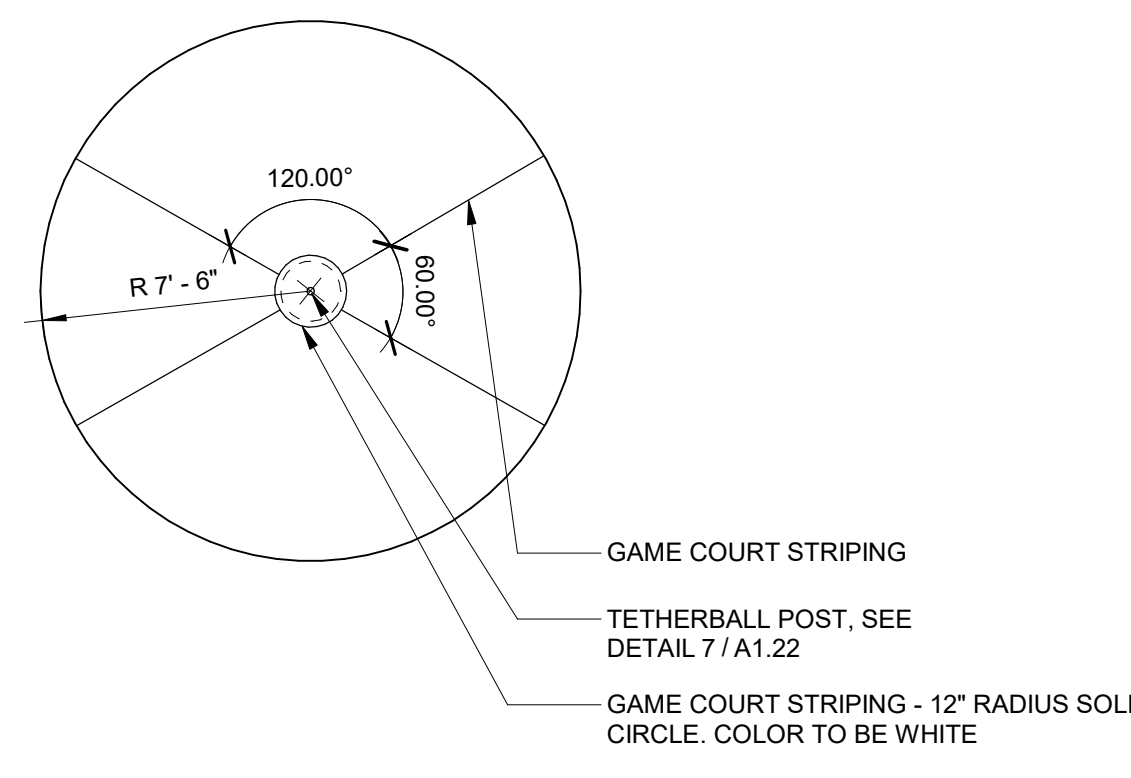
12 BALL WALL COURT LAYOUT
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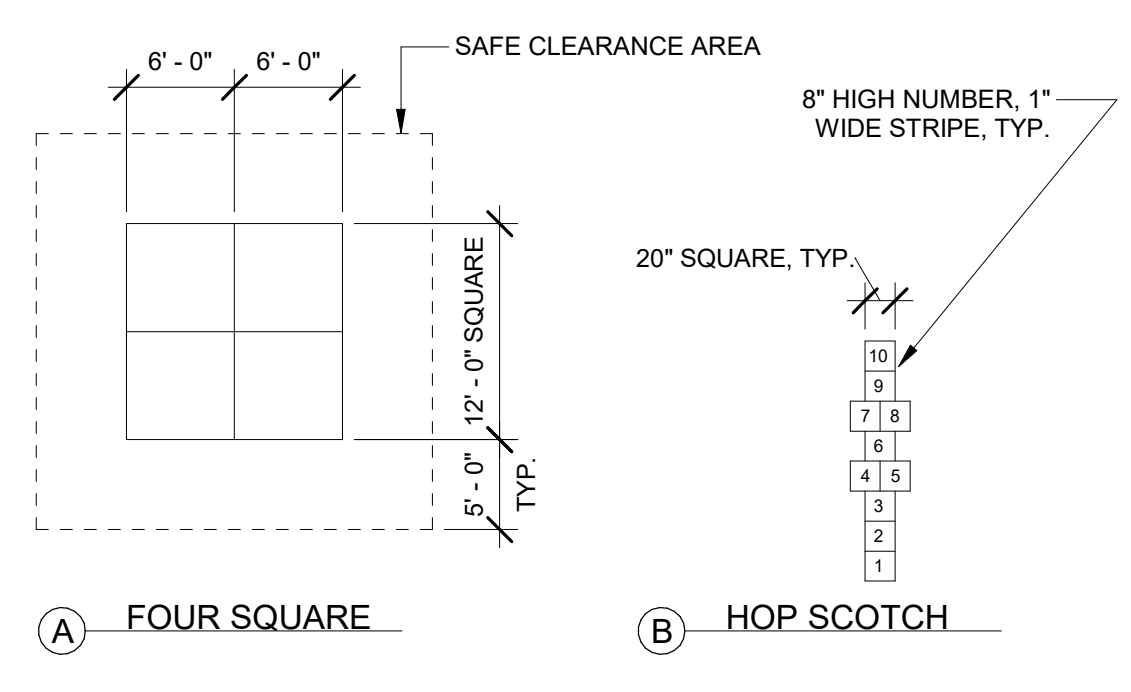
1 BASKETBALL HALF COURT LAYOUT
SCALE: 1/8" = 1'-0"



2 BASKETBALL COURT LAYOUT
SCALE: 1/8" = 1'-0"



3 TETHERBALL COURT LAYOUT
SCALE: 3/16" = 1'-0"



4 GAME COURT STRIPING
SCALE: 3/32" = 1'-0"

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PACIFIC GROVE UNIFIED SCHOOL DISTRICT
ROBERT DOWN ELEMENTARY SCHOOL PAVING MAINTENANCE PROJECT

485 PINE AVE
PACIFIC GROVE, CA 96950

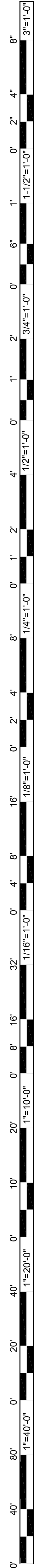
SHEET TITLE:
SITE DETAILS

Revision Schedule		
NO.	Description	Date
3	ADDENDUM 3	3/23/26

PROJECT #
25.052

ISSUE DATE:
03/23/2026

SHEET #
A1.22



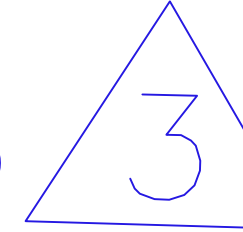
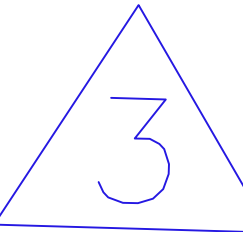
GENERAL NOTES

- All work shall be done in accordance with the following:
 - Applicable sections of the State of California Department of Transportation Standard Specifications, latest edition, hereinafter called "Caltrans";
 - California Plumbing Code and California Building Code Provisions
 - AWWA standards and specifications;
 - City of Pacific Grove Standard Details and Specifications where applicable;
 - These plans and details shown hereon;
 - Standards of the United States Department of Labor, Occupational Safety and Health Administration, Office of Standards and Rules of the State Division of Industrial Safety;
 - Latest edition of the California State Code of Regulations Title 24.
 - The Project Specifications.
 - Soils Investigation prepared by Moore Twining Associates, Inc. dated February 24, 2026 file no. H46201.01-03
- Where conflicts exist between any of the above listed specifications, the most stringent listed specification shall prevail.
- It is the responsibility of the Contractor to secure all permits necessary to perform the work, including but not limited to, work in the public right-of-way, grading, tree removal, and utility modifications.
- Contractor shall supply all equipment, labor, and materials necessary to perform the work shown on this plan.
- It shall be the responsibility of the various contractors to coordinate their work so as to eliminate conflicts and work toward the general good and completion of the entire project.
- All workmanship and materials furnished by Contractor shall be of the kind and quality described in the specifications and shall be first class throughout. Neither final acceptance nor final payment by Owner shall relieve the Contractor of responsibility for faulty materials or workmanship.
- In the event of any conflict of information shown in these plans or any conflict between these plans and the intent of a consistent and functional product, the Contractor shall notify the Owner in writing upon which notice the Owner shall resolve the conflict by the issuance of a written order, revised plans or both. The Contractor shall bear full cost and responsibility for work affected by such conflicts and performed by Contractor prior to such notice to the Owner and issuance of such order and/or revised plans.
- Contractor shall provide adequate dust control at all times as required by Owner's representative.
- Contractor shall exercise all necessary caution to avoid damage to any existing trees, or surface improvements, or to any existing drainage structure, water structures, sewer cleanouts, manholes, or junction boxes for underground electric, telephone, or cable TV, or storm sewer, sanitary sewer, water line, and underground utilities, which are to remain in place and shall bear full responsibility for any damage thereto.
- All known existing utility lines are shown for information only. Contractor shall exercise all necessary caution to avoid damage to any existing utility lines or facilities to remain in place, whether or not such lines or facilities are shown on these plans, and shall bear full responsibility for any damage thereto. Contractor is advised to Contact Underground Service Alert (USA) at (800) 642-2444 or a private Underground Locator Service (at contractor's expense) and the affected utility company for marking underground lines prior to beginning work.
- Inspection of work: The City of Pacific Grove Public Works Department will inspect all work involving conformance to encroachment permit. A representative of Owner will inspect all work, including grades and compaction of earthwork. Contractor shall notify the City of Pacific Grove Public Works at least forty eight (48) hours prior to work within the public ROW.
- Engineer shall have no responsibility for Contractor's work methods and procedures, jobsite conditions, jobsite safety or adherence to safety procedures and requirements.
- The Contractor agrees that, in accordance with generally accepted construction practices, the Contractor will be required to assume sole and complete responsibility for jobsite conditions during the course of construction of the project, including safety of all persons and property. This agreement shall apply continuously and not be limited to normal working hours. The contractor agrees to defend, indemnify and hold Owner and Engineer harmless from any and all liability, real or alleged, in connection with the performance of the work on this project, exempting liability arising from the sole negligence of the Engineer or Owner.
- Parking lot striping shall be laid out in accordance with the Horizontal Control Plan, and in accordance with the City of Pacific Grove Standard specifications.
- Contractor shall provide appropriate traffic control measures as outlined in the City of Pacific Grove specifications and as directed by the City Engineer.

GRADING AND PAVING NOTES

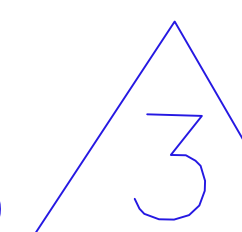
- Work shall consist of all clearing, grubbing, and striping, preparation of land to be filled, excavation, spreading, compaction and control of the fill, and all subsidiary work necessary to complete the grading to conform to the lines, grades and slopes, as shown on the accepted plans and as specified in the Geotechnical Investigation Report.
- The contractor's attention is directed to the Geotechnical Investigation prepared by Moore Twining Associates, Inc. dated February 24, 2026 file no. H46201.01-03
- The Contractor's attention is directed to the City of Pacific Grove Off-Site plans for work within the ROW. Contractor shall adhere to the requirements thereof.
- The Contractor shall notify the Soil Engineer at least forty-eight (48) hours prior to commencement of any grading operations on-site.
- A representative of the Soils Engineer shall be on site during grading operations and shall perform such testing as deemed necessary. The representative shall observe the grading operation for conditions that should be corrected, and identify those conditions with recommended corrective measures to the Contractor.
- In the event that any unusual conditions not covered by these notes and the Soils Investigation are encountered during grading operations, the Soils Engineer shall be immediately notified for recommendations.
- All existing trash, debris, roots, tree remains and other rubbish shall be removed from the site so as to leave the areas that have been disturbed with a neat and finished appearance free from unsightly debris. No burning shall be permitted.
- Contractor shall grade to the line and elevations shown on the plan within the following horizontal and vertical tolerance, in the areas indicated:

	Horizontal	Vertical
a. Building Pad Subgrade	0.50'+	0.05'+
b. Driveway and parking area subgrade preparation	0.05'+	0.05'+
- All aggregate base material and the handling and placement thereof shall be in accordance with the Caltrans Standard Specifications. Aggregate base materials shall be Class II.
- Compacted building pads shall extend 5 feet minimum beyond building footprint.
- Asphalt concrete (AC) shall be Type A, 3/4" maximum aggregate size for base course and 1/2" maximum aggregate size for surface course, as specified for surface course material in the Caltrans Specification. 2" thickness may be placed in one lift.
- SS-I emulsified asphalt paint binder conforming to the provisions of the Caltrans Specification shall be applied at the rate of 0.07+ gallons per square yard to existing asphalt concrete surface and vertical concrete surfaces to receive asphalt concrete.
- SS-II emulsified liquid asphalt seal coat conforming to the provisions of the Caltrans Specifications shall be diluted with equal parts water and applied at the rate of 0.15+ gallons per square yard to surface of the new finished asphalt paving surface and existing asphalt paving surfaces to remain in place. Existing asphalt surfaces shall be cleaned prior to seal coat operation.
- Contractor shall adjust all inlets, valve boxes, manhole rims, and sewer cleanouts to new finish grade.
- Materials handling and placement of Portland Cement Concrete shall be in accordance with applicable sections of the Caltrans Standard Specifications and these plans and details shown hereon. Concrete to be Class A, 6 sack, 3000 PSI concrete.



UNDERGROUND NOTES

- Contractor shall expose and verify location and elevation of existing utilities, including sanitary and storm sewers, and water lines before constructing new facilities. Contractor shall cap existing irrigation lines where necessary so that the remaining irrigation system will continue to be operational for the existing landscaping to remain.
- Materials for pipe, storm water inlets and cleanouts and installation procedures shall be in accordance with applicable California Building Code sections and the City of Pacific Grove Standard Specifications, the Project Specifications and these plans and details shown hereon.
 - Storm Sewer Pipe designated "SD" shall be SDR 26 PVC pipe or HDPE ADS N-12 pipe appropriate for such use. Storm Sewer Pipe designated "DIP" shall be ductile iron pipe appropriate for such use.
 - Storm Sewer Pipe designated "RCP" shall be reinforced concrete pipe appropriate for such use.
 - Sanitary Sewer Pipe designated "SS" shall be vitrified clay pipe or SDR 26 PVC pipe appropriate for such use.
 - Water Pipe designated "WATER" or "W" shall be Schedule 80 PVC pipe appropriate for such use
 - Fire Lines designated "FIRE LINE" or "F" shall be AWWA C900 PVC - DR 18 pipe appropriate for such use
- Ensure grates are ADA compliant for all existing inlets to remain in traveled access paths, subject to pedestrian traffic. Replace as necessary.
- All trench excavation and backfill for sewer lines shall conform to requirements of the City of Pacific Grove Standard Specifications. Jetting of backfill materials to achieve compaction is not allowed.
- All trenches and excavations shall be constructed in strict compliance with the applicable sections of California and Federal O.S.H.A. requirements and other applicable safety ordinances. Contractor shall bear full responsibility for trench shoring design and installation.
- Materials for pipe and installation requirements for domestic water lines shall be in accordance with applicable California Plumbing Code sections and the City of Pacific Grove Standard Specifications and these plans and details shown hereon.
- Soils on the site have been found to be corrosive. All buried metallic pipes, fittings and appurtenances associated with the water pipelines shall be encased in 8-mil polyethylene per AWWA C-105. All buried copper water service lines shall be encased in 6-mil polyethylene sleeve in accordance with AWWA C-105
- Storm Drain Cleaning: Remove dirt and sediment from all drain boxes and storm drain cleanouts in project area and downstream to public storm drain mainline, use vac truck where possible. Hydrowash/jet out storm drain line until free flowing. Start at downstream inlets and work towards project area. If clogged SD line cannot be unclogged by jetting, notify engineer, pothole blocked location and repair drain line as needed.



ABBREVIATIONS

AB	AGGREGATE BASE	LTB	LIME TREATED BASE
AC	ASPHALT CONCRETE	(ME)	MATCH EXISTING ELEVATION
ACC	ACCESSIBLE	MH	MANHOLE
ARCH	ARCHITECTURAL	ML	MONUMENT LINE
BS	BOTTOM OF STEP	(N)	NEW
BW	BACK OF WALK ELEVATION	PAV	PAVEMENT SURFACE ELEVATION
BOW	BOTTOM OF WALL ELEVATIONS	P	PROPERTY LINE
CB	CATCH BASIN	PP	PERFORATED PIPE
CI	CAST IRON	RIM	RIM ELEVATION
CL	CENTER LINE	RS	TOP OF RAT SLAB ELEVATION
CLF	CHAIN LINK FENCE	RWL	RAIN WATER LEADER
C&G	CURB AND GUTTER	S=	SLOPE
CONC	CONCRETE	SD	STORM DRAIN
C	CONCRETE ELEVATION	S.A.D.	SEE ARCHITECT DRAWINGS
DWY	DRIVEWAY	S.E.D.	SEE ELECTRICAL DRAWINGS
E	ELECTRICAL	S.L.D.	SEE LANDSCAPE DRAWINGS
(E)	EXISTING	S.P.D.	SEE PLUMBING DRAWINGS
EBOX	ELECTRICAL BOX	SG	SUBGRADE ELEVATION
EC	EDGE OF CONCRETE	SS	SANITARY SEWER
EP	EDGE OF PAVEMENT	SSCO	SANITARY SEWER CLEANOUT
EV	ELECTRICAL VAULT	S/W	SIDEWALK
F	FIRE LINE	STLT	STREET LIGHT
FG	FINISH GRADE	T	TELEPHONE
FNC	FENCE	TC	TOP OF CURB
FH	FIRE HYDRANT	TD	TRENCH DRAIN
FF	FINISHED FLOOR ELEVATION	TILE	TOP OF TILE ELEVATION
FL	FLOW LINE	TOE	TOE OF BANK
FOC	FACE OF CURB	TOW	TOP OF WALL ELEVATION
G	GAS	TP	TELEPHONE POLE
GB	GRADE BREAK	TR	TOP OF RAMP
GND	GROUND ELEVATION	TS	TOP OF STEP
JP	JOINT POLE	TSB	TRAFFIC SIGNAL BOX
ICV	IRRIGATION CONTROL VALVE	VL	VAULT
INV	INVERT	W	WATER
LF	LINEAR FEET	WV	WATER VALVE
LS	LANDSCAPE		

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LEGEND

DESCRIPTION	PROPOSED	EXISTING
PROPERTY LINE		---
CENTERLINE		---
CURB & GUTTER	=====	=====
VERTICAL CURB	=====	=====
ASPHALT EDGE / SAWCUT	=====	=====
EXPANSION JOINT	-----	-----
SCORE JOINT	=====	=====
VALLEY GUTTER	=====	=====
FIBER OPTIC RAIN	=====	=====
RAINWATER LEADER	=====	=====
STORM LINE	-----	SD -----
SANITARY LINE	-----	SS -----
WATER LINE	-----	W -----
GAS LINE	-----	G -----
FIRE SPRINKLER	-----	FS -----
FIRE LINE	-----	F -----
FENCE	o-o-o-o-o-o-o-o	X-----
ROLLING FENCE	o-o-o-o-o-o-o-o	
CITY CONFORM	//////	
ADA DROP OFF	-----	
FIRE LANE	-----	
TYPICAL RAMP		
ACCESSIBLE RAMP		
TRUNCATED DOMES		
STORM DRAIN INLET		
AREA DRAIN		
BUBBLER BOX		
END SECTION		
FLARED END SECTION		
END SECTION MITERED DRAIN GRATE		
DRY WELL CONDENSATE		
BOLLARD		
HYDRANT		
FIRE DEPARTMENT CONNECTION (FDC)		
POST INDICATOR VALVE (PIV)		
THRUST BLOCK		
SHUT OFF VALVE (SOV)		
CHECK VALVE		
BACKFLOW PREVENTER		
ELECTROLIER		
ELECTROLIER CONDUIT & CABLE W/PULL BOX		
DIRECTION & RATE OF SLOPE	0.01%	
SWALE		
CONTOUR		
LIGHTING POLE		
EV CHARGING STATION		

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PACIFIC GROVE UNIFIED SCHOOL DISTRICT
ROBERT DOWNS ELEMENTARY SCHOOL
PAVING MAINTENANCE PROJECT

485 PINE AVE.
PACIFIC GROVE, CA 93950

SHEET TITLE:
NOTES, LEGEND & INDEX

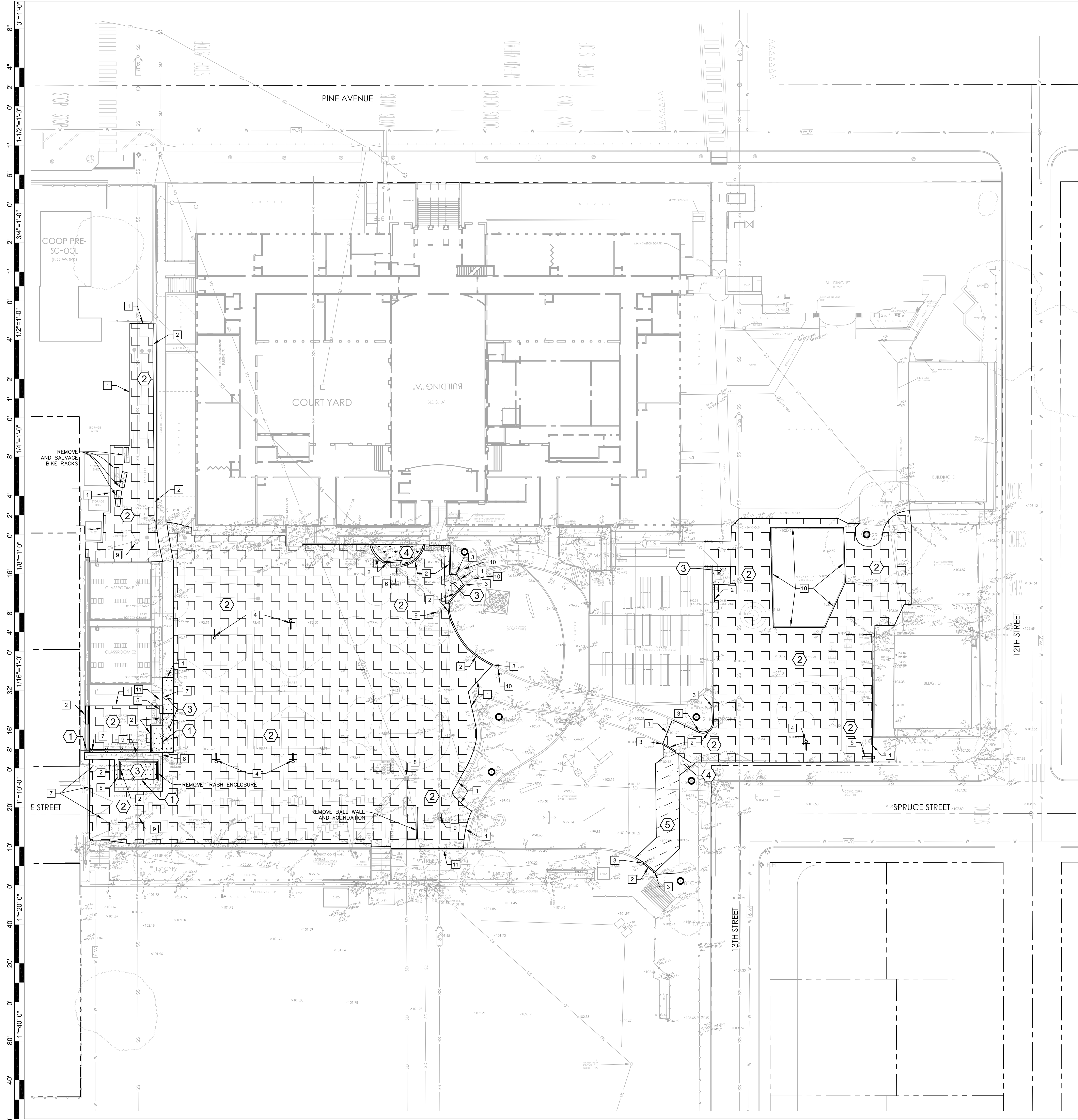
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ISSUE DATE:
12/22/2026

SHEET #
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DEMOLITION LEGEND

DESCRIPTION	SYMBOL	
TREE TO REMAIN. PROTECT FROM DAMAGE. SEE SPECIAL PROVISION 01 56 39 TEMPORARY TREE AND PLANT PROTECTION AND LANDSCAPE DRAWINGS FOR TREE PROTECTION NOTES.	○	
KEYNOTE	DESCRIPTION	SYMBOL
①	FENCE / GATES / FOUNDATIONS TO BE REMOVED	- X - X - X
②	ASPHALT PAVING & AGGREGATE BASE ROCK TO BE REMOVED. REMOVE HEADER BOARD, TYP.	[Pattern]
③	CONCRETE TO BE REMOVED. REMOVE AGGREGATE BASE.	[Pattern]
④	SHRUBS AND/OR LANDSCAPING TO BE REMOVED. GRUB OUT ALL VEGETATION / REMOVE BARK / WOOD CHIPS. REMOVE PLANTER BOXES. REMOVE ANY IRRIGATION LINES OR VALVES.	[Pattern]
⑤	ROLL BACK EXISTING SYNTHETIC TURF. SEE DETAIL 5/C6.2	[Pattern]
KEYNOTE	DESCRIPTION	SYMBOL
1	SAWCUT ASPHALT OR REMOVE CONCRETE TO NEAREST CONTROL JOINT	[Symbol]
2	REMOVE CURB / CURB & GUTTER / VALLEY GUTTER	[Symbol]
3	EXTENT OF REMOVAL OF CURB / CURB & GUTTER / VALLEY GUTTER	[Symbol]
4	REMOVE POLE / POST / BASKETBALL HOOPS / BOLLARD / HANDRAIL AND FOUNDATIONS	[Symbol]
5	REMOVE BENCH / RETAINING WALL / WALL & FOUNDATION	[Symbol]
6	REMOVE WATER LINES, VAULT, VALVE, METER, BOX, DRINKING FOUNTAIN CAP LINE AT EXTENT OF REMOVAL.	[Symbol]
7	POLE / POST / COLUMN / BOLLARD / HANDRAIL / FENCE / GATE TO REMAIN. PROTECT FROM DAMAGE.	[Symbol]
8	STORM LINES, DRAIN INLET, SDMH, SDCO TO REMAIN. PROTECT FROM DAMAGE. ADJUST RIM TO NEW FG.	[Symbol]
9	SS LINES, SSMH, SSCO TO REMAIN. PROTECT FROM DAMAGE. ADJUST RIM TO NEW FG.	[Symbol]
10	CURB / CURB & GUTTER / VALLEY GUTTER TO REMAIN. PROTECT FROM DAMAGE.	[Symbol]
11	BENCH / RETAINING WALL / WALL & FOUNDATION TO REMAIN. PROTECT FROM DAMAGE.	[Symbol]

NOTES:

- THE LIMITS OF DEMOLITION SHOWN HEREON ARE TO PROVIDE THE CONTRACTOR WITH A GENERAL SCOPE OF WORK. PRECISE LIMITS OF PAVEMENT REMOVAL AND GRADING SHOULD BE TAKEN FROM THE GRADING AND DRAINAGE PLAN. THE CONTRACTOR SHOULD ALSO REFERENCE LANDSCAPE ARCHITECT PLANS, ARCHITECTURAL PLANS, AND THE CONSTRUCTION DOCUMENTS FOR A COMPLETE SCOPE OF WORK. (VERIFY ALL DEMOLITION WITH THE SCHOOL DISTRICT).
 - DEMOLITION WORK SHALL CONFORM TO CAL GREEN CODE SECTIONS 5.408.3 (CONSTRUCTION WASTE REDUCTION BY AT LEAST 50%) AND 5.408.4 (EXCAVATED SOIL AND LAND CLEARING DEBRIS), AND LOCAL CONSTRUCTION WASTE MANAGEMENT REQUIREMENTS. THE MOST STRINGENT CODE SHALL PREVAIL.
 - ALL SIGNS, POSTS, AND FOOTINGS TO BE REMOVED WITHIN THE LIMITS OF DEMOLITION UNLESS NOTED OTHERWISE.
 - REFER TO ORIGINAL DESIGN DRAWINGS, AVAILABLE FROM DISTRICT, FOR EXISTING BUILDINGS (FOOTINGS, MATERIALS, ETC.).
 - EXISTING TURF TO REMAIN. LANDSCAPE CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR IF REPLACEMENT IS REQUIRED DUE TO STAGING, CONSTRUCTION ACCESS, OR CONSTRUCTION ACTIVITY. REPAIR WITH SOD TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. TURF AREAS FENCED DURING CONSTRUCTION SHALL BE MAINTAINED (MOWED, WATERED, AND FERTILIZED) BY CONTRACTOR.
- WHERE NEW SOD IS INSTALLED, SHOVEL CUT EDGE OF EXISTING TURF VERTICAL AND STRAIGHT, AMEND SOIL AND GRADE TO RECEIVE NEW SOD FLUSH WITH EXISTING EDGES. DO NOT SCALE SOD REPAIR FROM THIS DRAWING. COORDINATE WITH GENERAL CONTRACTOR FOR EXTENT OF REPAIR REQUIRED TO RESTORE TURF DUE TO CONSTRUCTION ACTIVITY.

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3/2/26

PACIFIC GROVE UNIFIED SCHOOL DISTRICT
ROBERT DOWNS ELEMENTARY SCHOOL PAVING MAINTENANCE PROJECT
 485 PINE AVE.
 PACIFIC GROVE, CA 93950

SHEET TITLE:
DEMOLITION PLAN

Revision Schedule		
NO.	Description	Date

PROJECT #
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 12/22/2026

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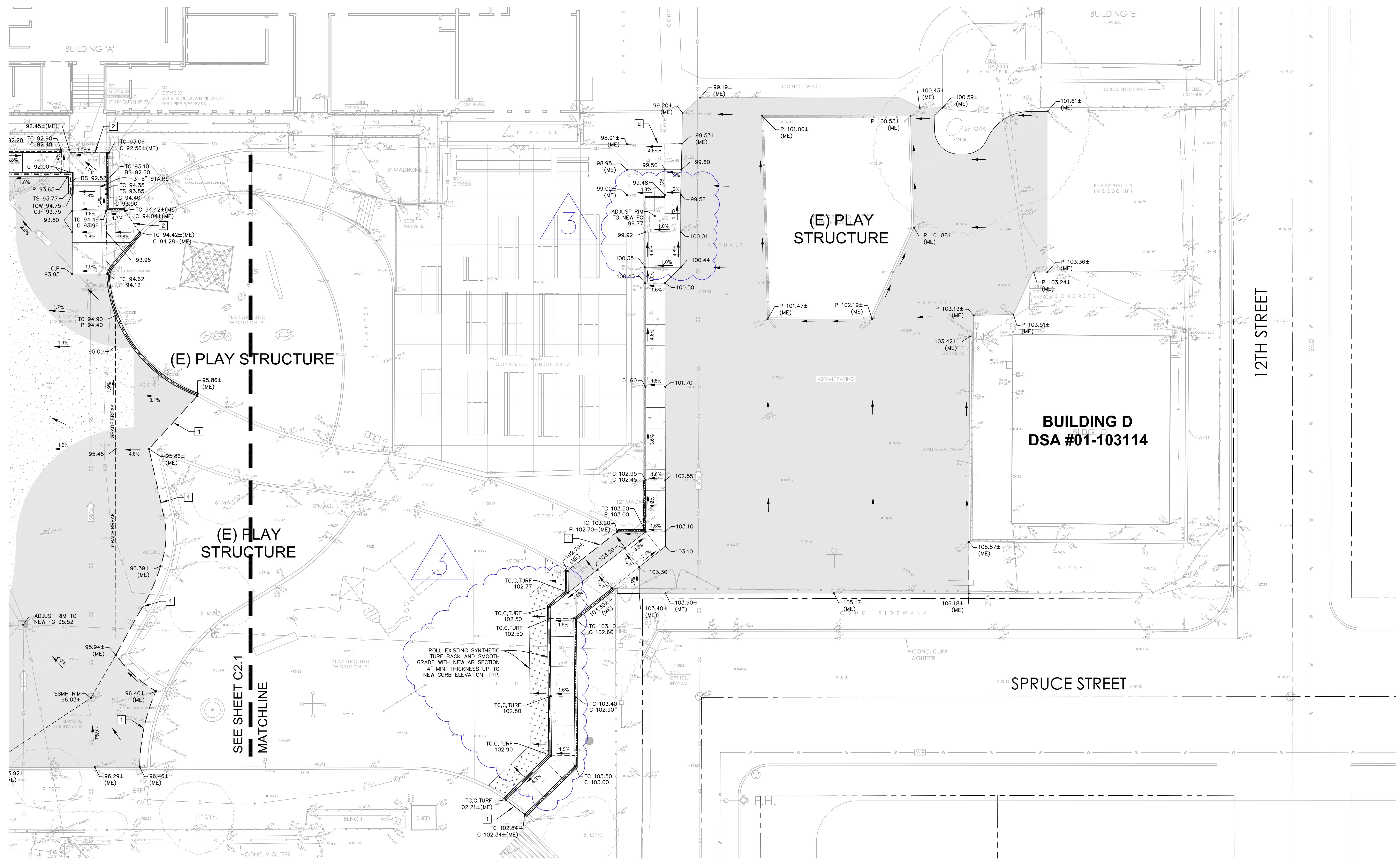
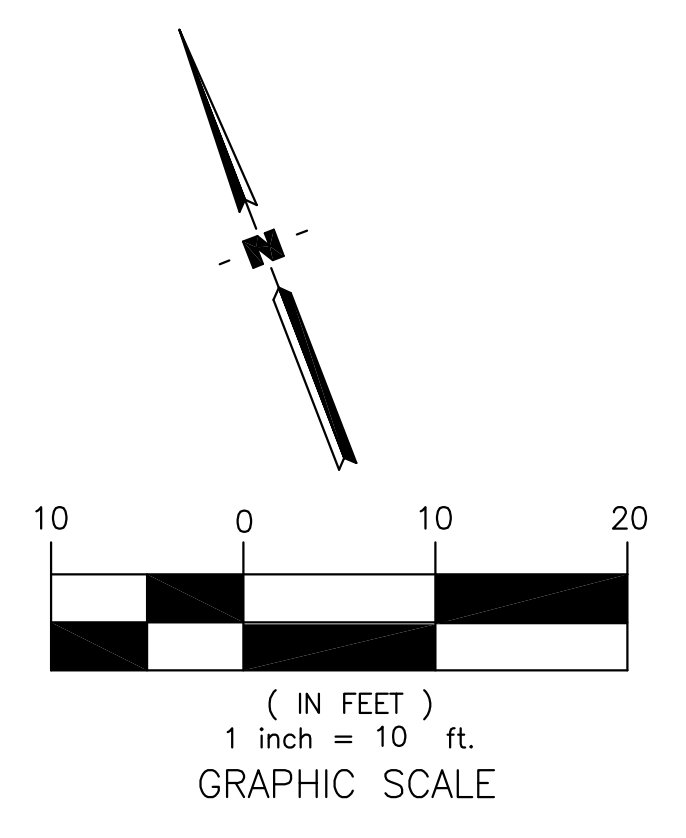
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GRADING PLAN NOTES

KEYNOTE	DETAIL NAME
1	SAWCUT AND CONFORM TO (E) ASPHALT
2	CONFORM TO (E) CONCRETE AT NEAREST CONTROL JOINT
3	2 LF - CURB TRANSITION (0'-6")

GRADING CONSTRUCTION DETAIL REFERENCES

KEYNOTE	DETAIL NAME	SYMBOL	DETAIL REFERENCE
①	VALLEY GUTTER		2/CB.01



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ROBERT DOWNS ELEMENTARY SCHOOL PAVING MAINTENANCE PROJECT
 485 PINE AVE.
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SHEET TITLE:
GRADING & DRAINAGE PLAN

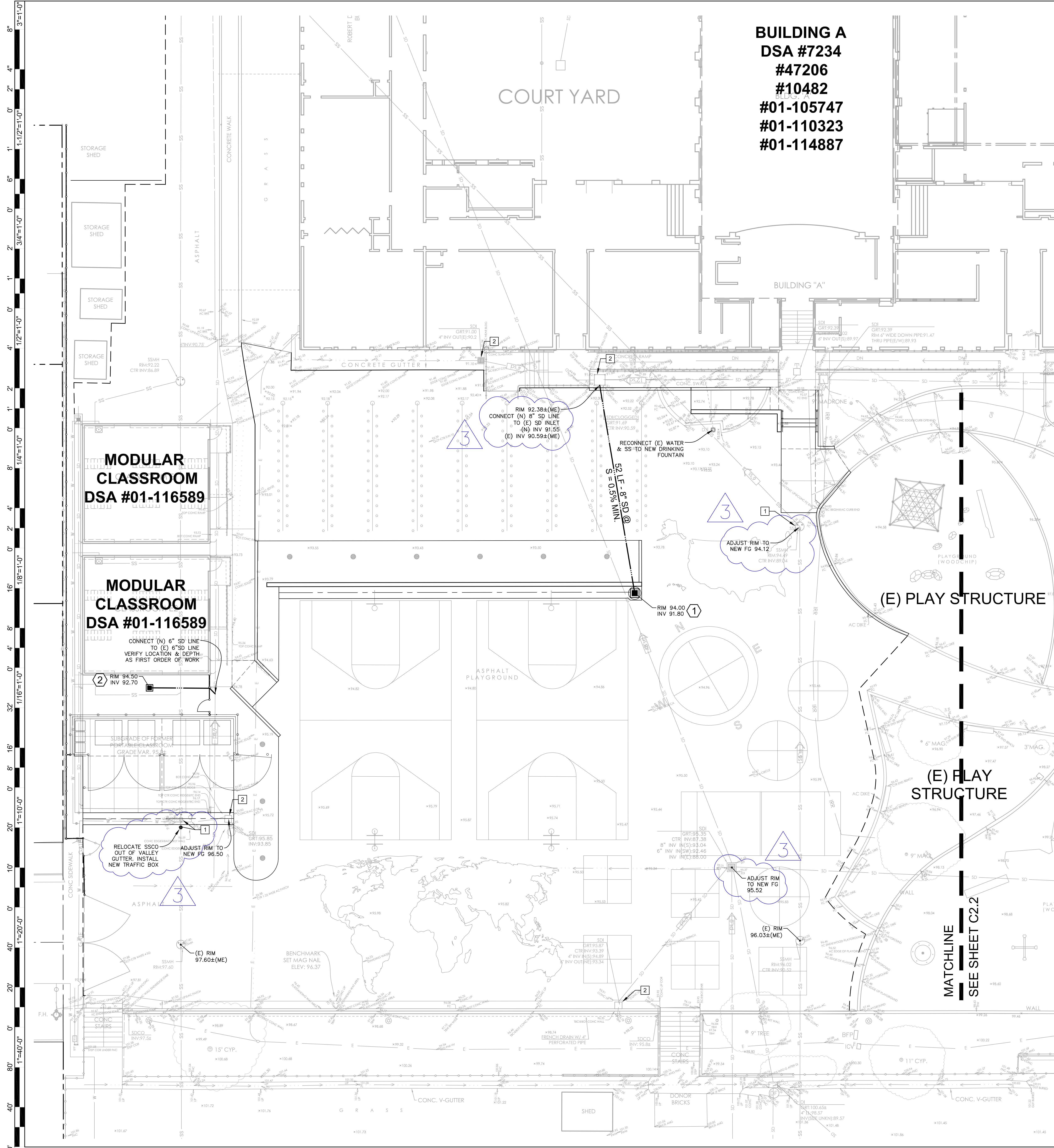
Revision Schedule

NO.	Description	Date

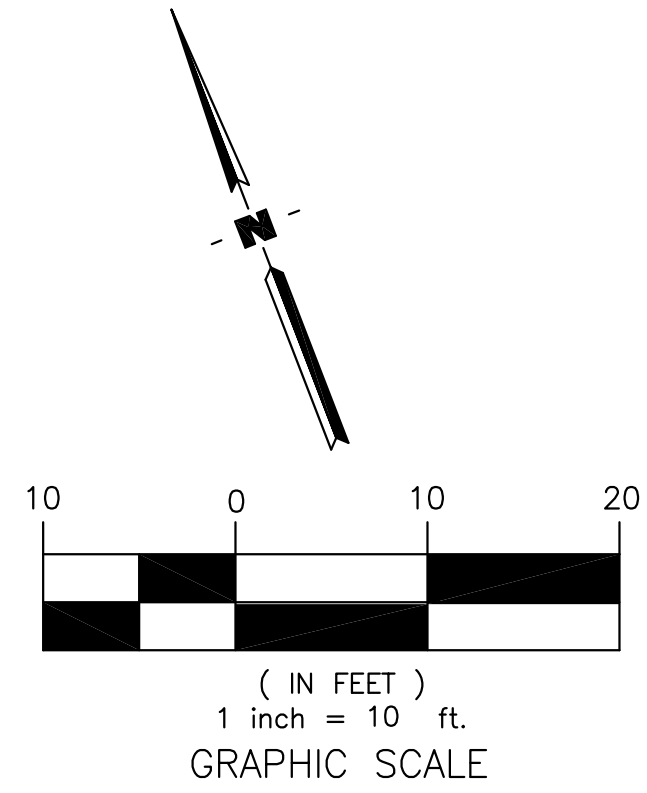
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SHEET #
AD3-C2.2

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BUILDING A
DSA #7234
#47206
#10482
#01-105747
#01-110323
#01-114887



UNDERGROUND UTILITIES CONSTRUCTION DETAIL REFERENCES

KEYNOTE	DETAIL NAME	SYMBOL	DETAIL REFERENCE
①	STORM INLET 18"		1 / C6.01
②	12" STORM INLET		2 / C6.01

UNDERGROUND UTILITIES PLAN NOTES

KEYNOTE	DETAIL NAME
①	ADJUST UTILITY BOX TO NEW FINISH GRADE, TYP.
②	CLEAN OUT DEBRIS & HYDROJET STORM DRAIN SYSTEM TO BE FREE FLOWING. SEE UNDERGROUND NOTE #6 / SHEET C0.1

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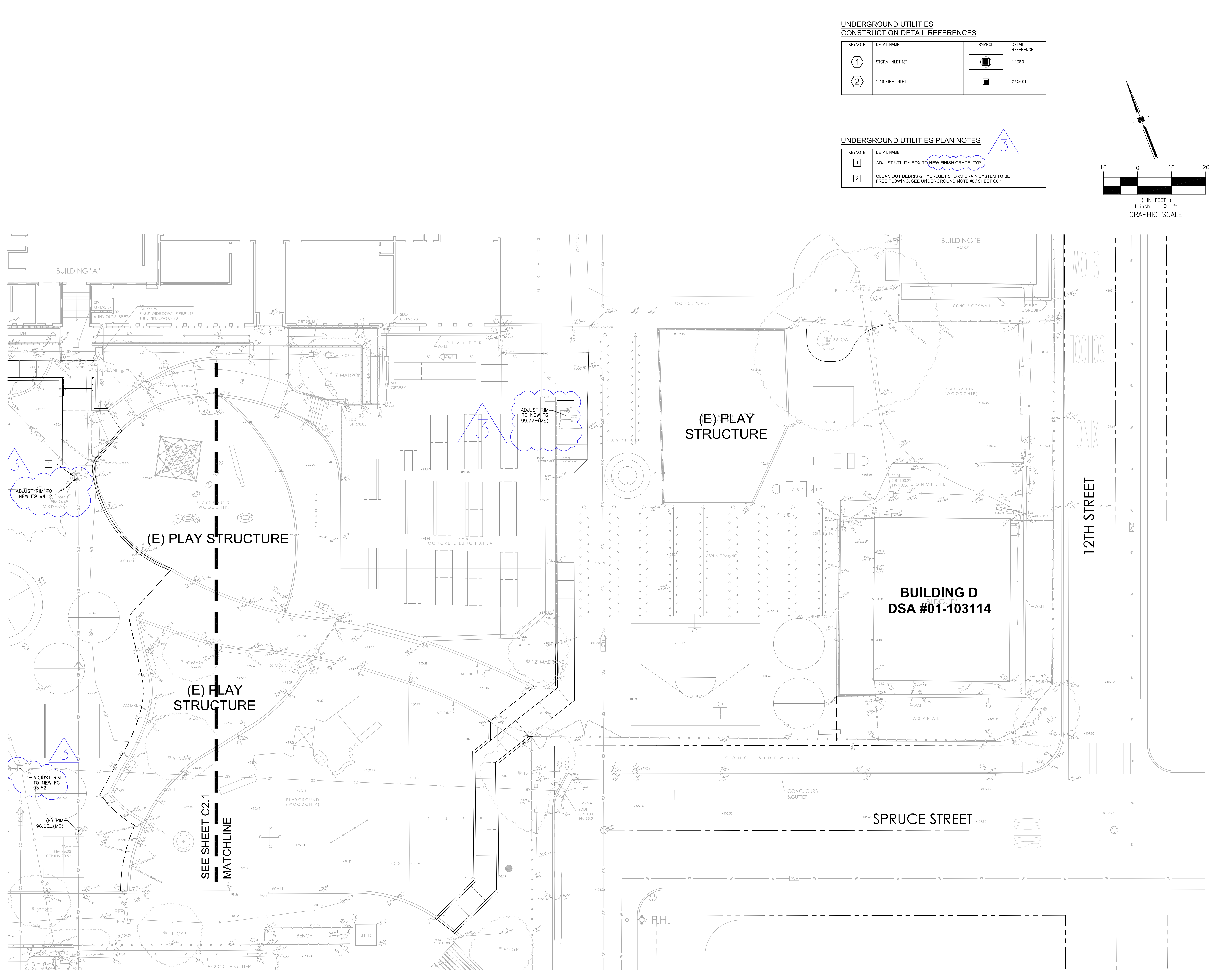
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SHEET TITLE:
UNDERGROUND UTILITIES PLAN

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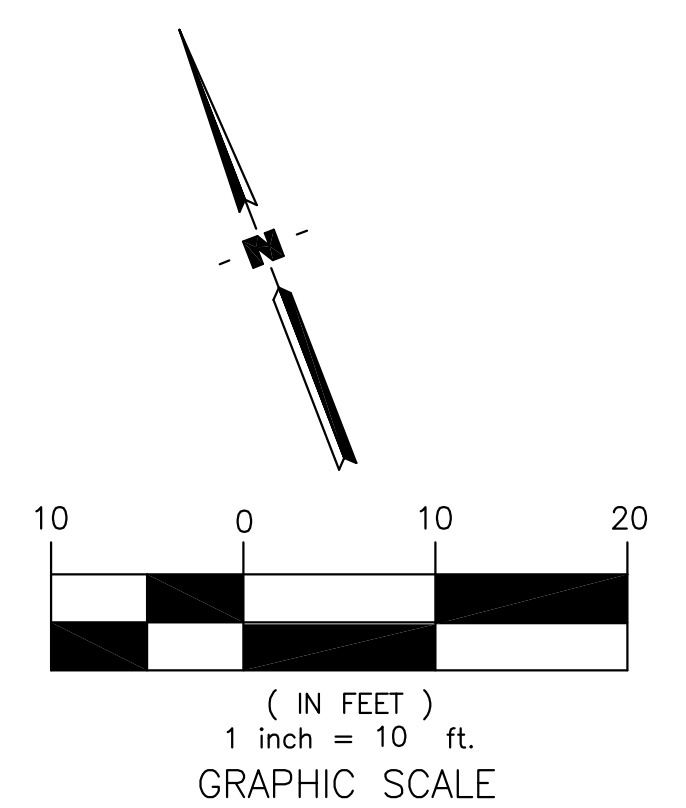


**UNDERGROUND UTILITIES
CONSTRUCTION DETAIL REFERENCES**

KEYNOTE	DETAIL NAME	SYMBOL	DETAIL REFERENCE
①	STORM INLET 18"		1 / C&D.1
②	12" STORM INLET		2 / C&D.1

UNDERGROUND UTILITIES PLAN NOTES

KEYNOTE	DETAIL NAME
①	ADJUST UTILITY BOX TO NEW FINISH GRADE, TYP.
②	CLEAN OUT DEBRIS & HYDROJET STORM DRAIN SYSTEM TO BE FREE FLOWING. SEE UNDERGROUND NOTE #8 / SHEET C0.1



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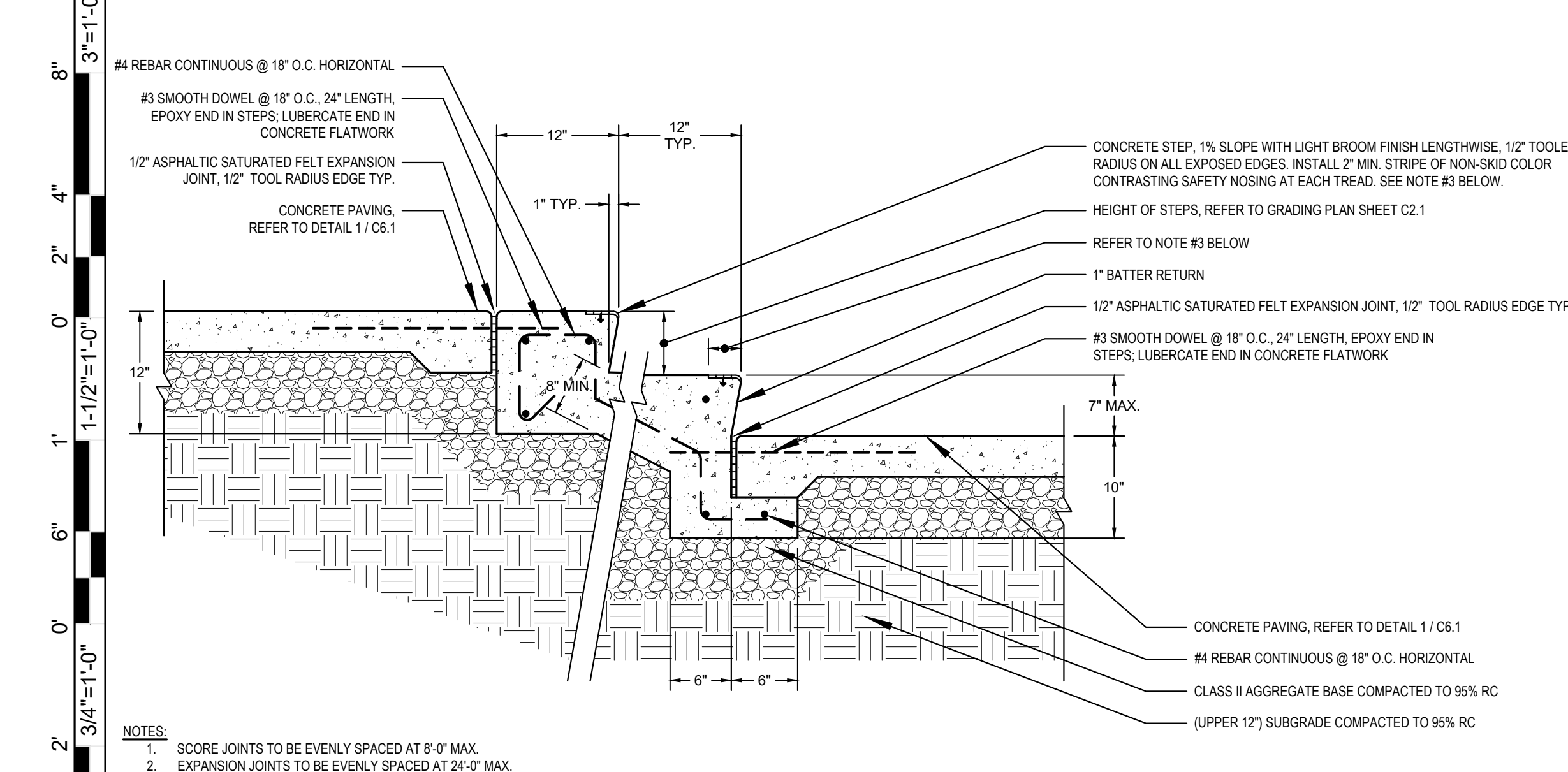
PACIFIC GROVE UNIFIED SCHOOL DISTRICT
ROBERT DOWNS ELEMENTARY SCHOOL PAVING MAINTENANCE PROJECT
 485 PINE AVE.
 PACIFIC GROVE, CA 93950

SHEET TITLE:
UNDERGROUND UTILITIES PLAN

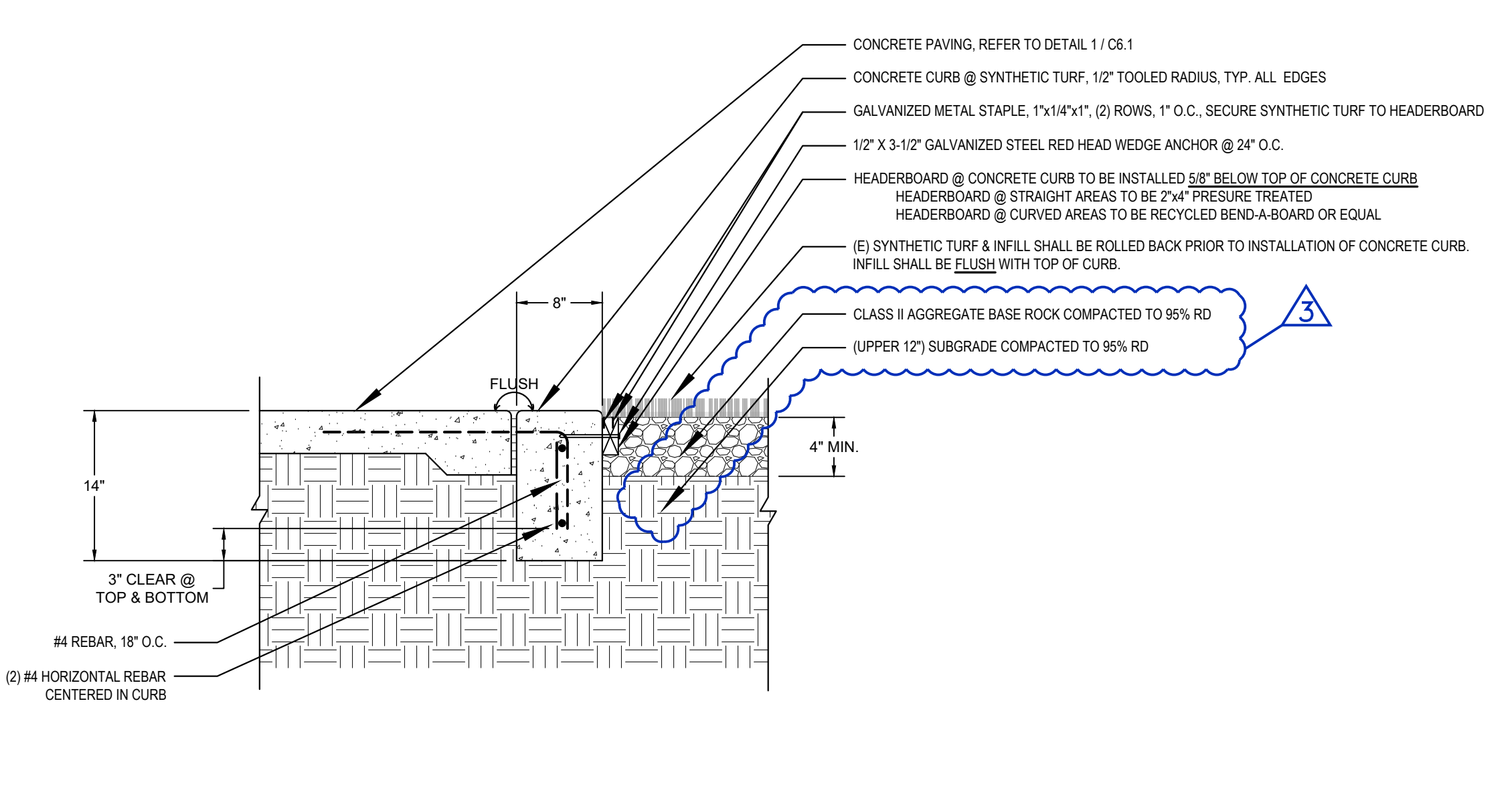
Revision Schedule		
NO.	Description	Date

PROJECT #
 DCA 25.054
 CEI 3263
 ISSUE DATE:
 12/22/2026

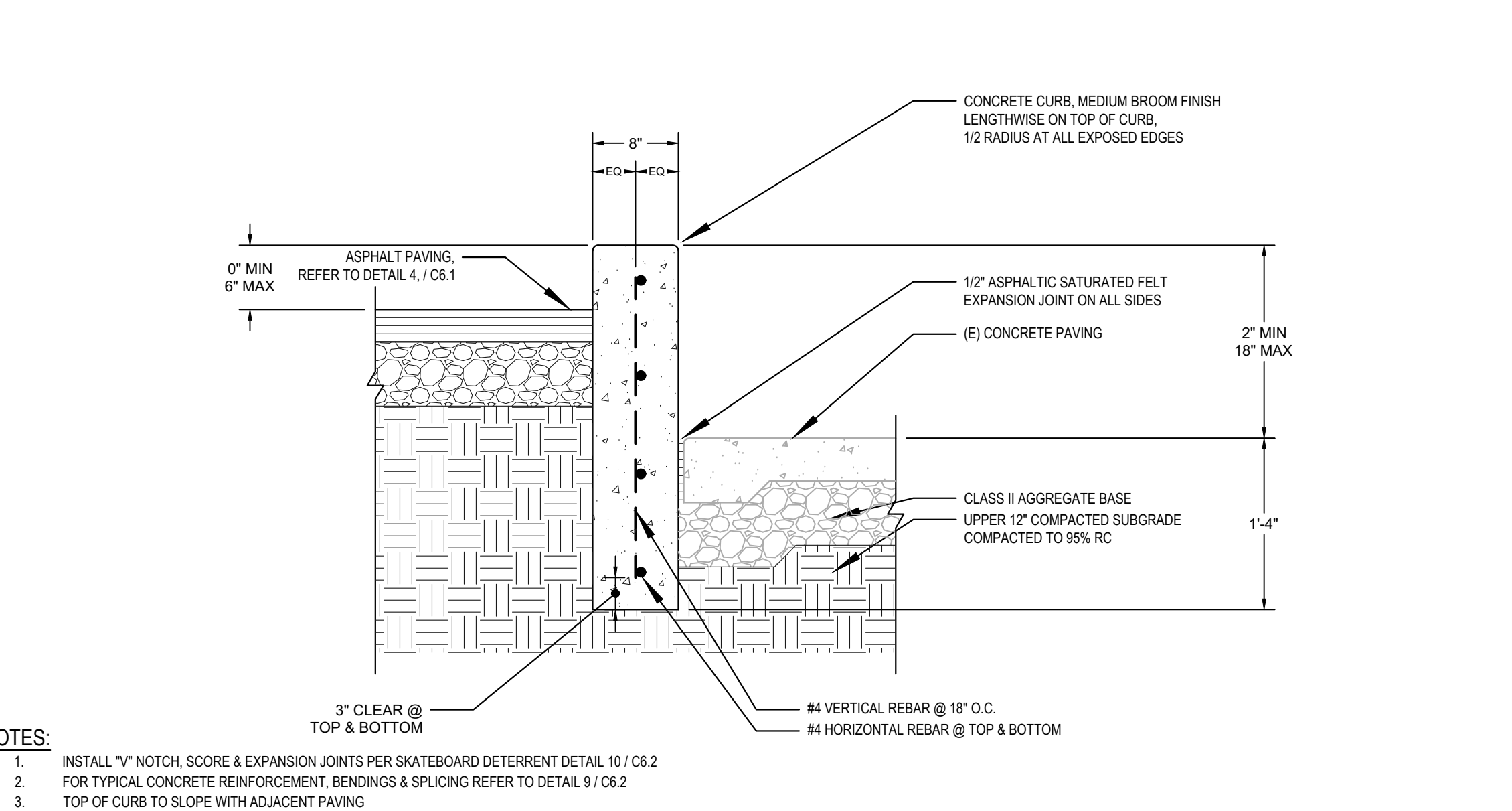
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AD3-C3.2



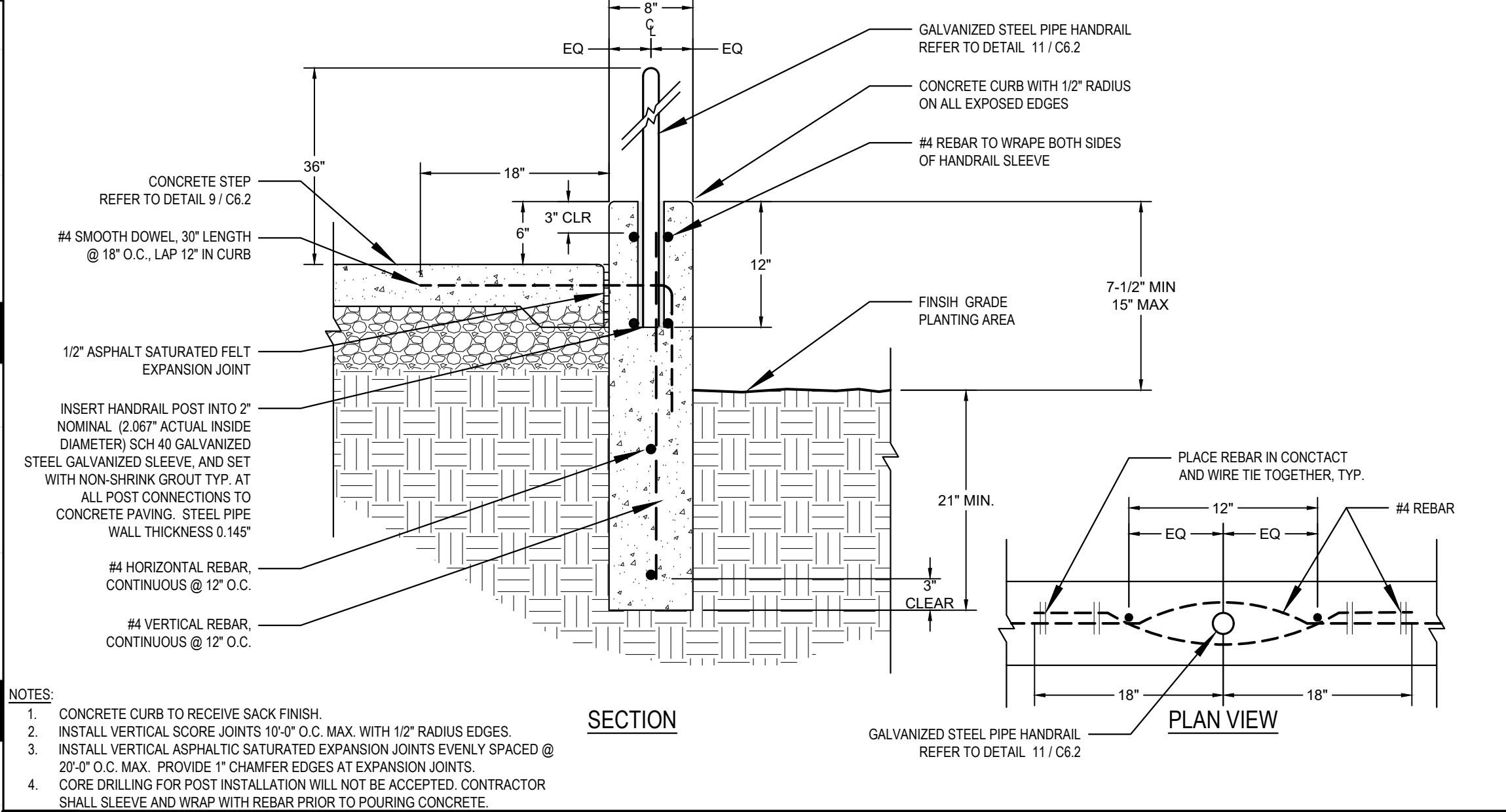
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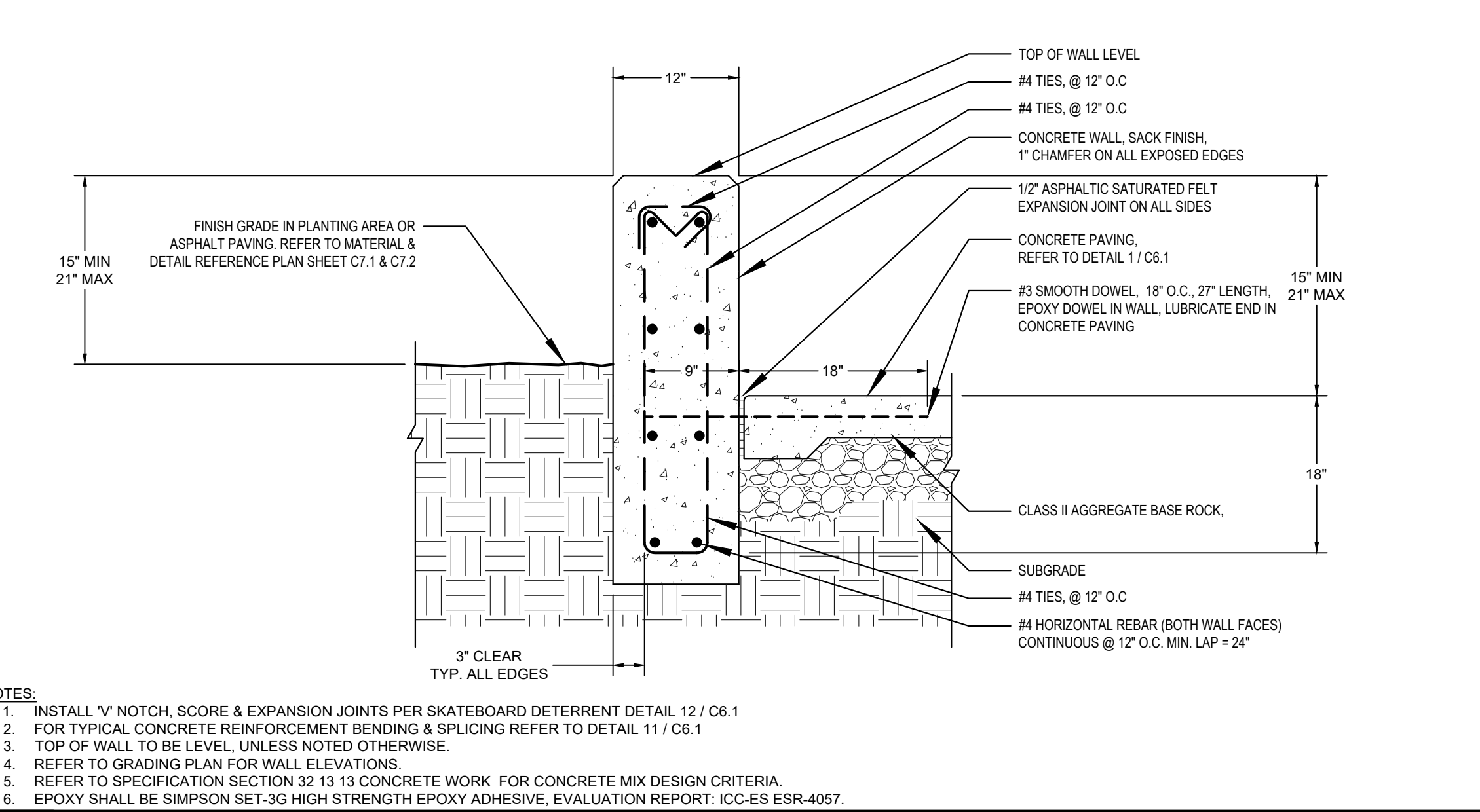
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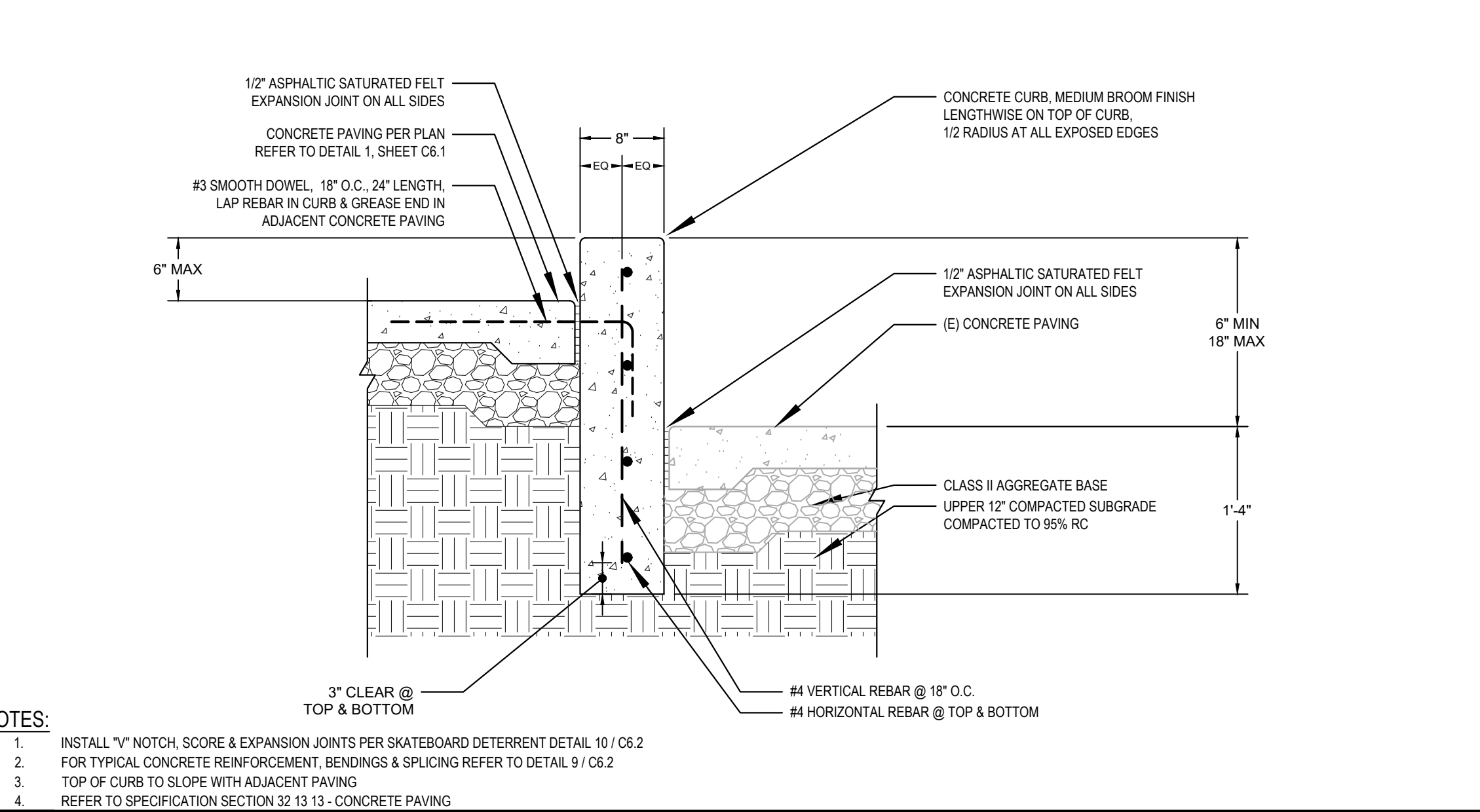
1 CONCRETE CURB - TYPE I SCALE: NTS



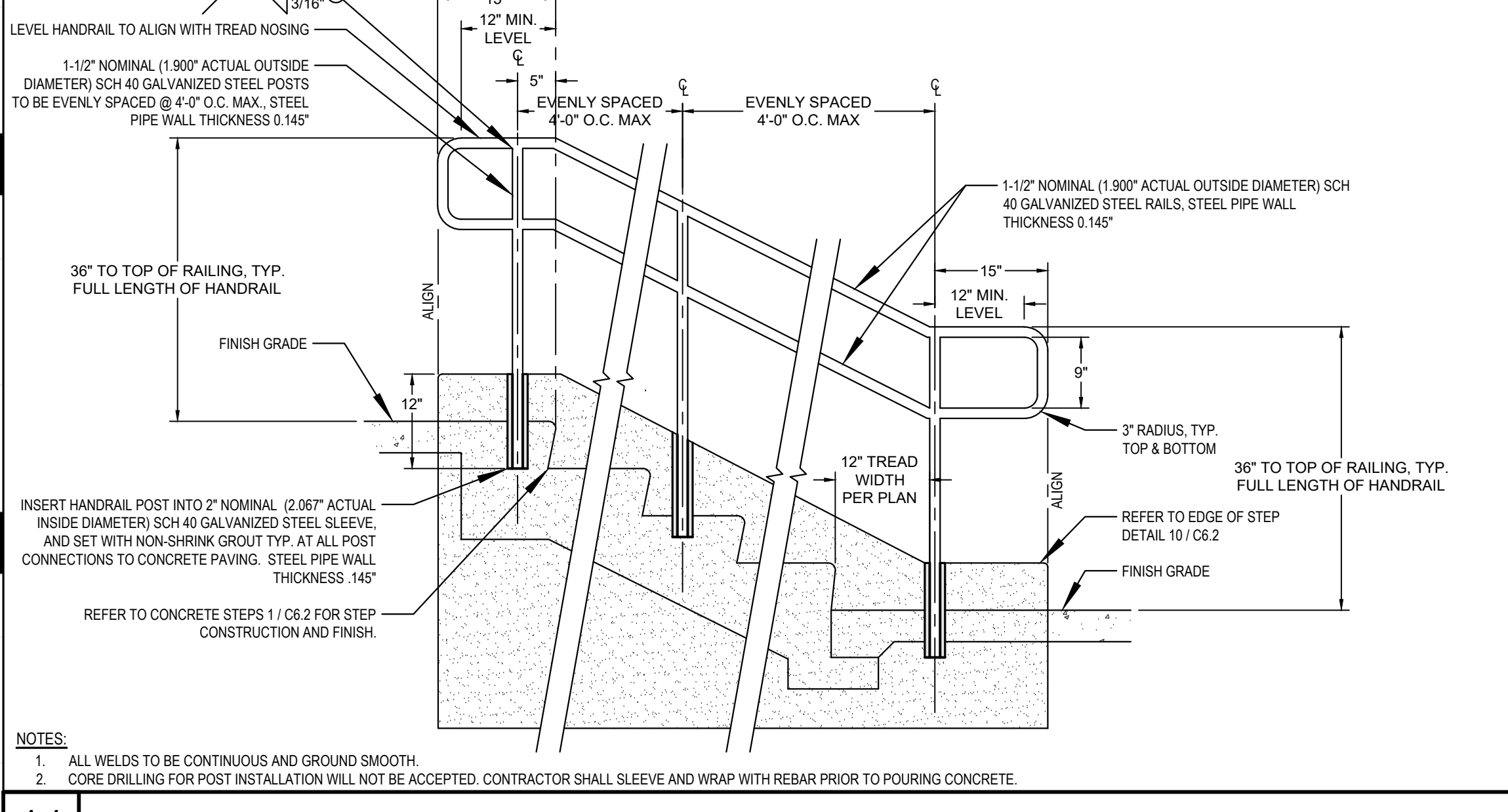
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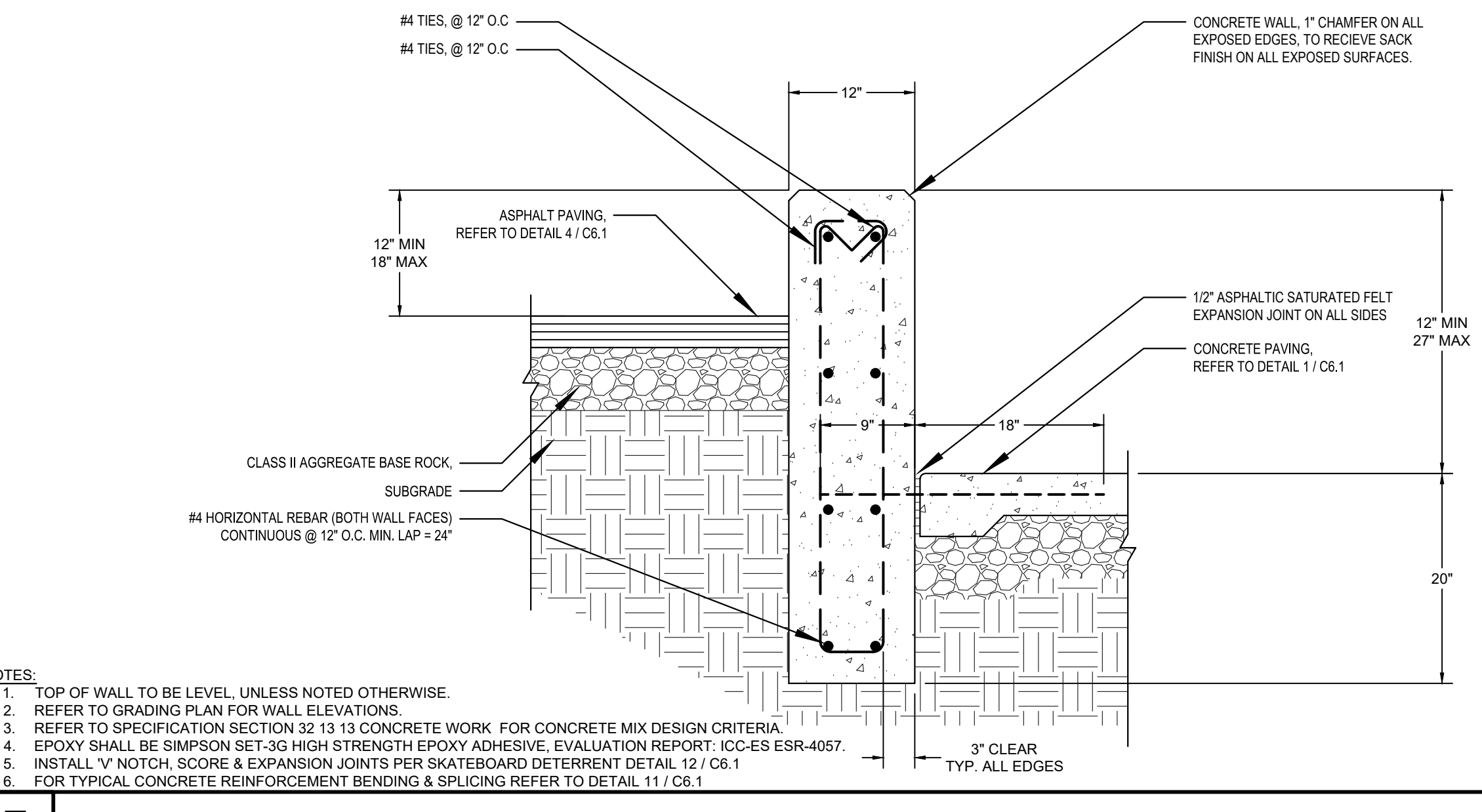
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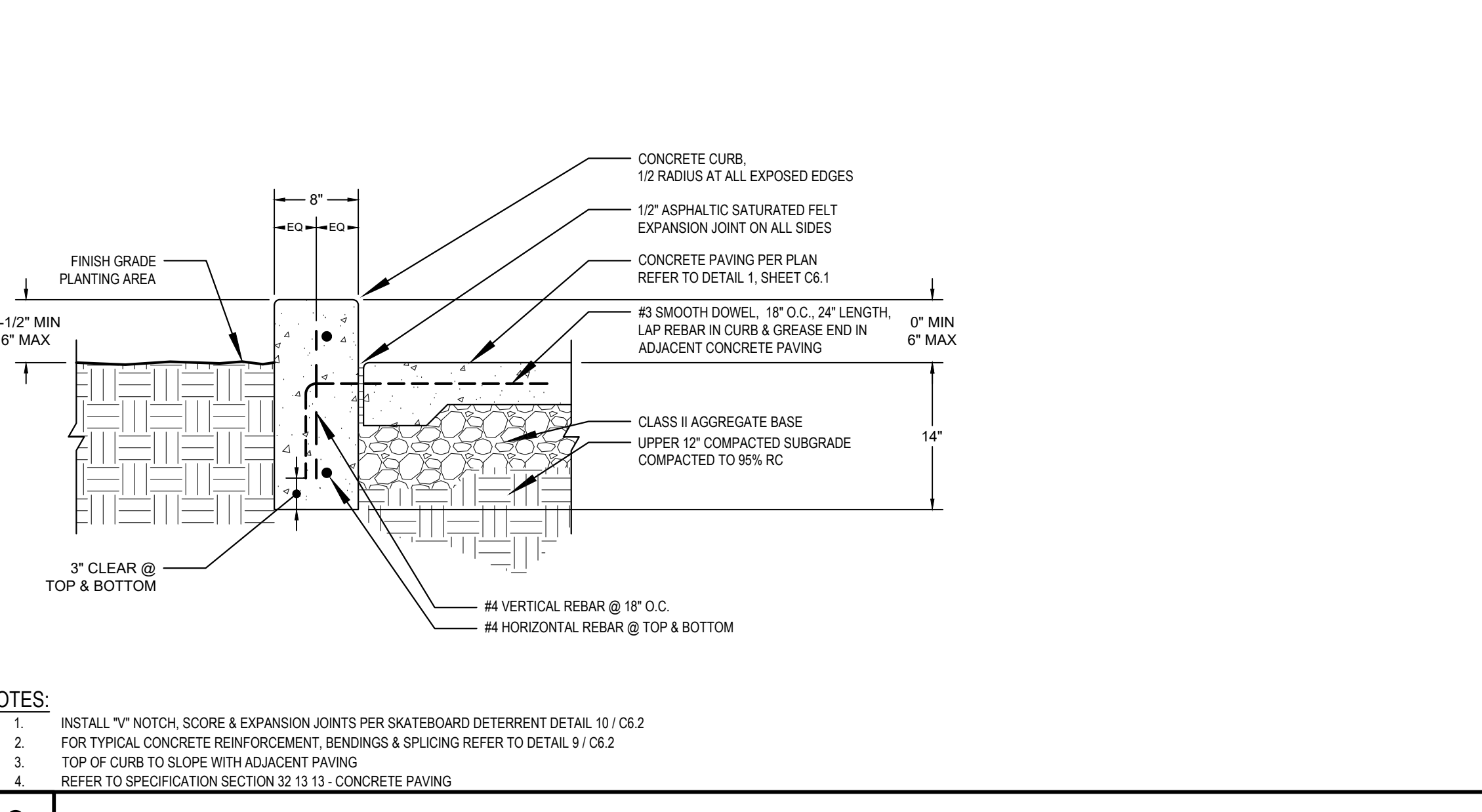
2 CONCRETE CURB - TYPE II SCALE: NTS



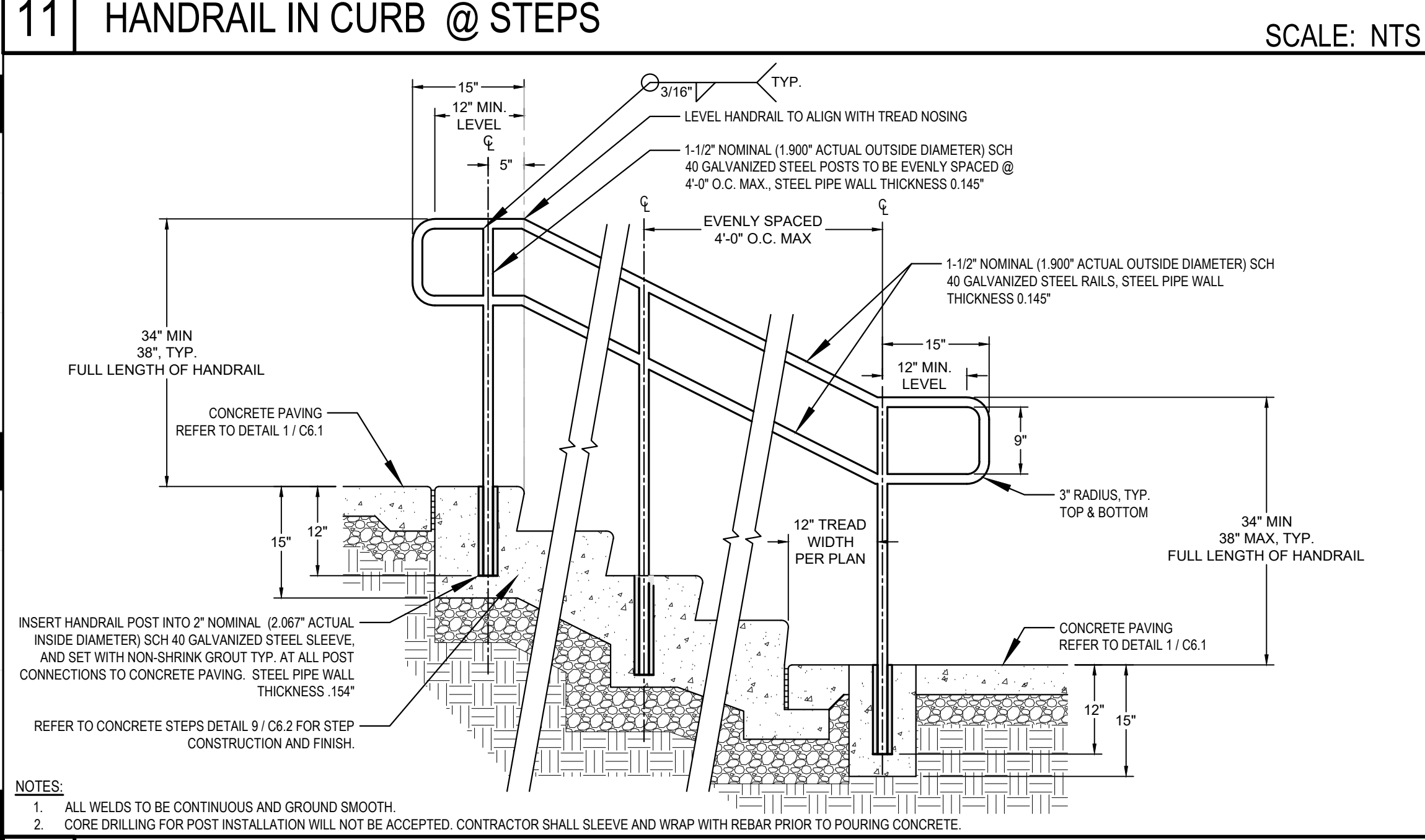
11 HANDRAIL IN CURB @ STEPS SCALE: NTS



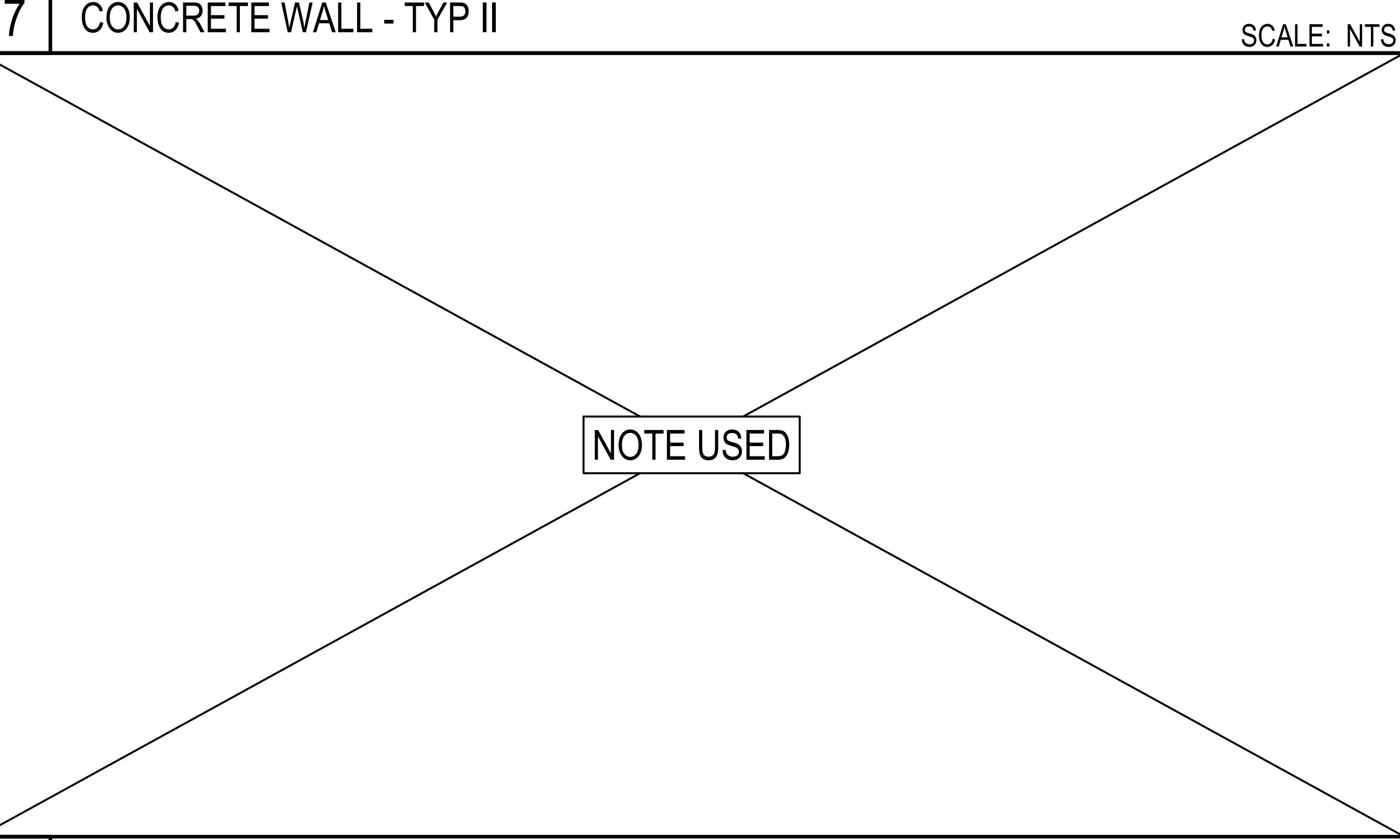
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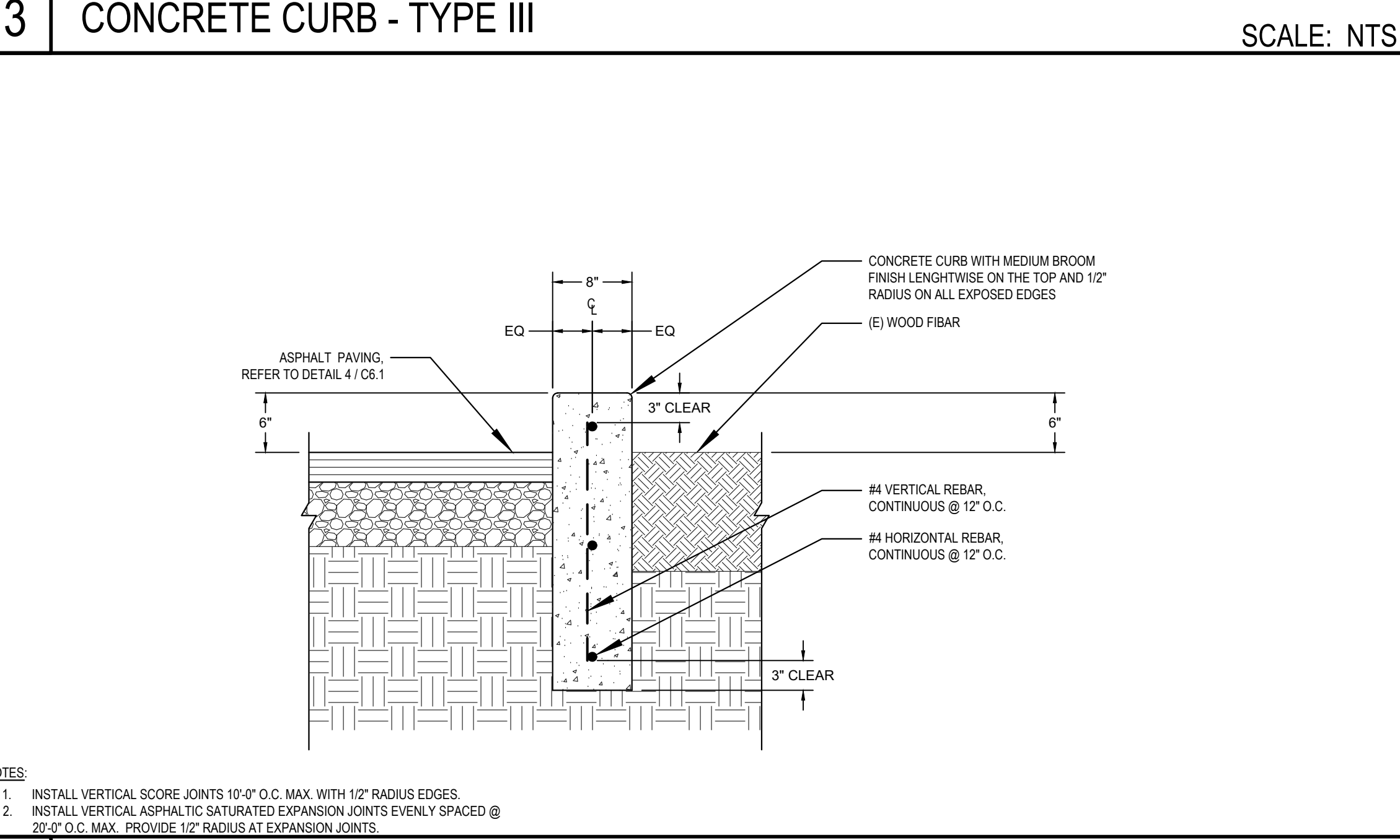
3 CONCRETE CURB - TYPE III SCALE: NTS



12 HANDRAIL IN STEPS SCALE: NTS



8 SCALE: NTS



4 CONCRETE CURB - TYPE IV SCALE: NTS

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PACIFIC GROVE UNIFIED SCHOOL DISTRICT
ROBERT DOWNS ELEMENTARY SCHOOL PAVING MAINTENANCE PROJECT
 485 PINE AVE.
 PACIFIC GROVE, CA 93950

SHEET TITLE:
CONSTRUCTION DETAILS

Revision Schedule		
NO.	Description	Date

PROJECT #
 DCA 25.054
 CEI 3263

ISSUE DATE:
 12/22/2026

SHEET #
C6.2

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MATERIAL & DETAIL REFERENCE LEGEND

PAVING DETAILS

KEYNOTE	DETAIL NAME	SYMBOL	DETAIL REFERENCE
P1A	CONCRETE PAVING - PEDESTRIAN	[Symbol]	1 / 06.1
P1B	CONCRETE PAVING - TRASH ENCLOSURE	[Symbol]	1 / 06.1
P1C	CONCRETE PAVING - DRINKING FOUNTAIN	[Symbol]	1 / 06.1
P2	(N) CONCRETE TO (E) CONCRETE	[Symbol]	2 / 06.1
P3	CONCRETE TO ASPHALT	[Symbol]	3 / 06.1
P4A	ASPHALT PAVING - PEDESTRIAN	[Symbol]	4 / 06.1
P4B	ASPHALT PAVING - FIRE LANE	[Symbol]	4 / 06.1
P4C	ASPHALT PAVING - TRASH TRUCK	[Symbol]	4 / 06.1
P5	(N) ASPHALT TO (E) ASPHALT (ASPHALT SAW CUT EDGE)	[Symbol]	5 / 06.1
P6	HEADERBOARD @ ASPHALT	[Symbol]	6 / 06.1
P7	(E) SYNTHETIC TURF TO BE ROLLED BACK AND REINSTALLED	[Symbol]	5 / 06.2

CURB & WALL DETAILS

KEYNOTE	DETAIL NAME	SYMBOL	DETAIL REFERENCE
C1	CONCRETE CURB - TYPE I	[Symbol]	1 / 06.2
C2	CONCRETE CURB - TYPE II	[Symbol]	2 / 06.2
C3	CONCRETE CURB - TYPE III	[Symbol]	3 / 06.2
C4	CONCRETE CURB - TYPE IV	[Symbol]	4 / 06.2
C5	CONCRETE CURB - TYPE V	[Symbol]	5 / 06.2
W1	CONCRETE WALL - TYPE I	[Symbol]	6 / 06.2
W2	CONCRETE WALL - TYPE II	[Symbol]	7 / 06.2
CS	CONCRETE STEPS	[Symbol]	9 / 06.2
ES1	EDGE OF STEPS - HANDRAIL IN CURB	[Symbol]	10 / 06.2
H1	HANDRAIL IN CURB @ STEPS	[Symbol]	11 / 06.2
H2	HANDRAIL IN STEPS	[Symbol]	12 / 06.2

DRAINAGE

KEYNOTE	DETAIL NAME	SYMBOL	SHEET REFERENCE
D1	VALLEY GUTTER - 24 INCH	[Symbol]	2 / 06.01

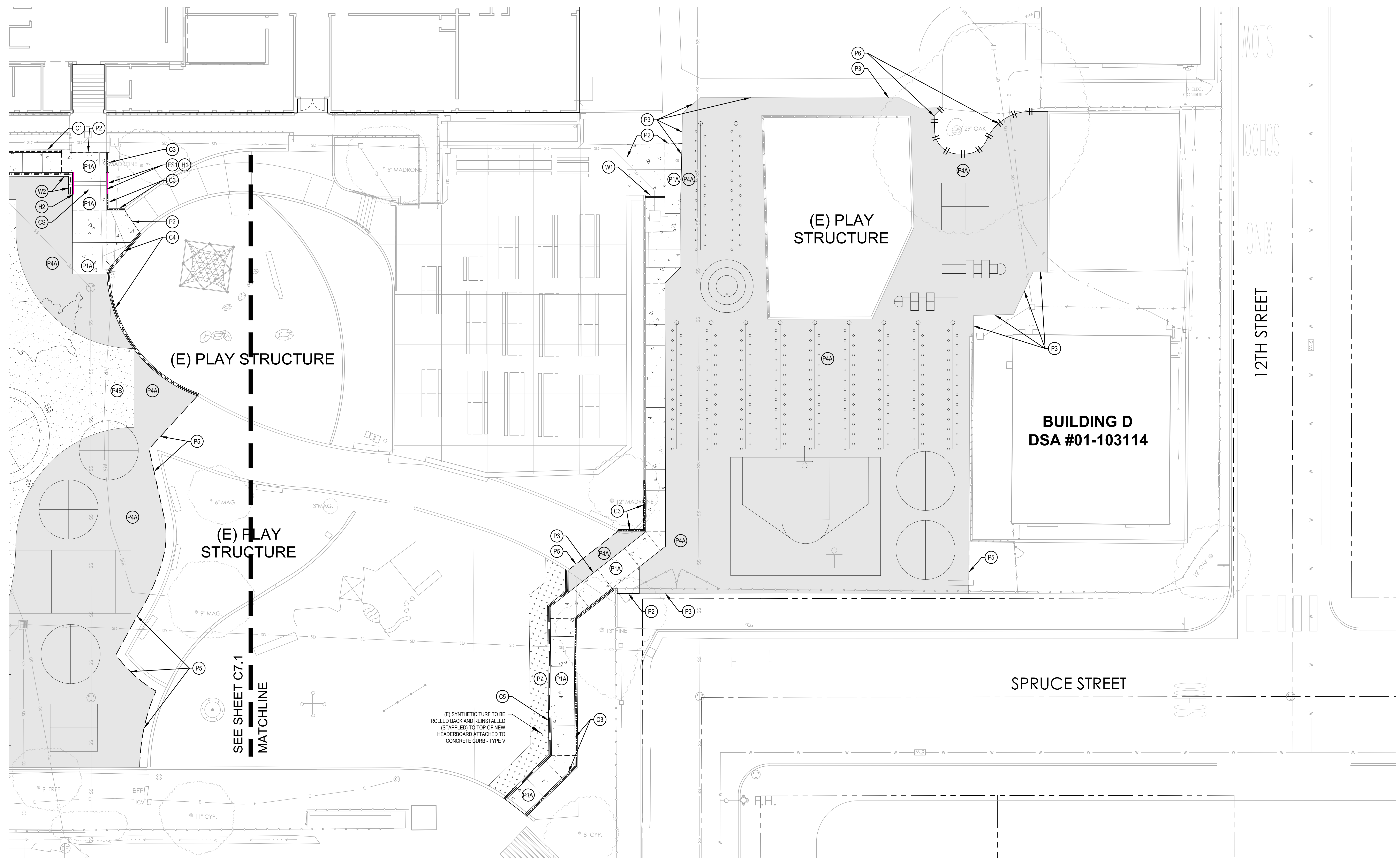
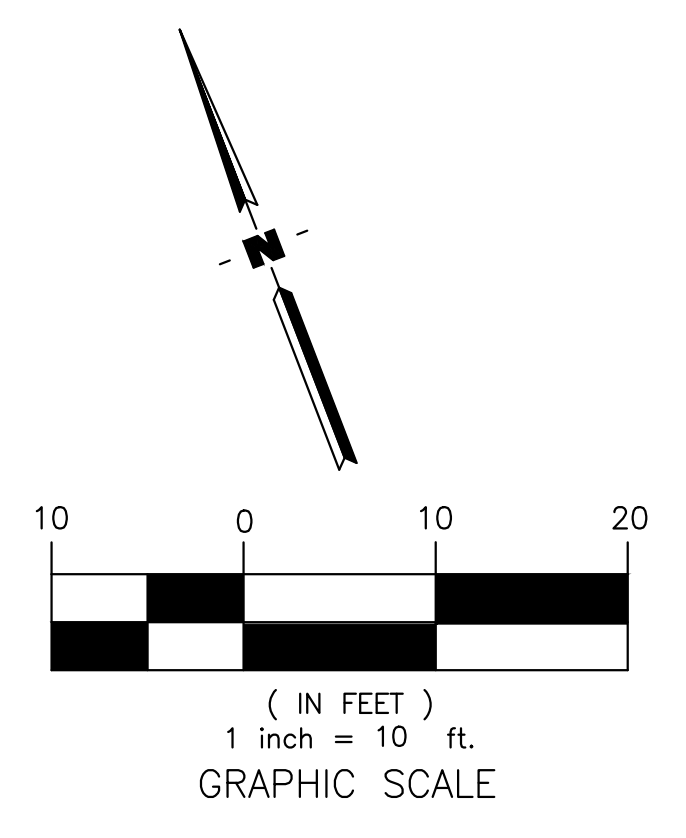
LANDSCAPE

KEYNOTE	DETAIL NAME	SYMBOL	SHEET REFERENCE
L1	BARK MULCH - 3" DEPTH REFER TO SPECIFICATION SECTION 32 50 00 - LANDSCAPE PLANTING	[Symbol]	L2-1 & L2-2

FENCING

KEYNOTE	DETAIL NAME	SYMBOL	SHEET REFERENCE
FNC-01	CHAIN LINK FENCE REFER TO ARCHITECTURAL PLANS	[Symbol]	REFERENCE

REFER TO SHEET C7.1 FOR MATERIAL & DETAIL REFERENCE NOTES



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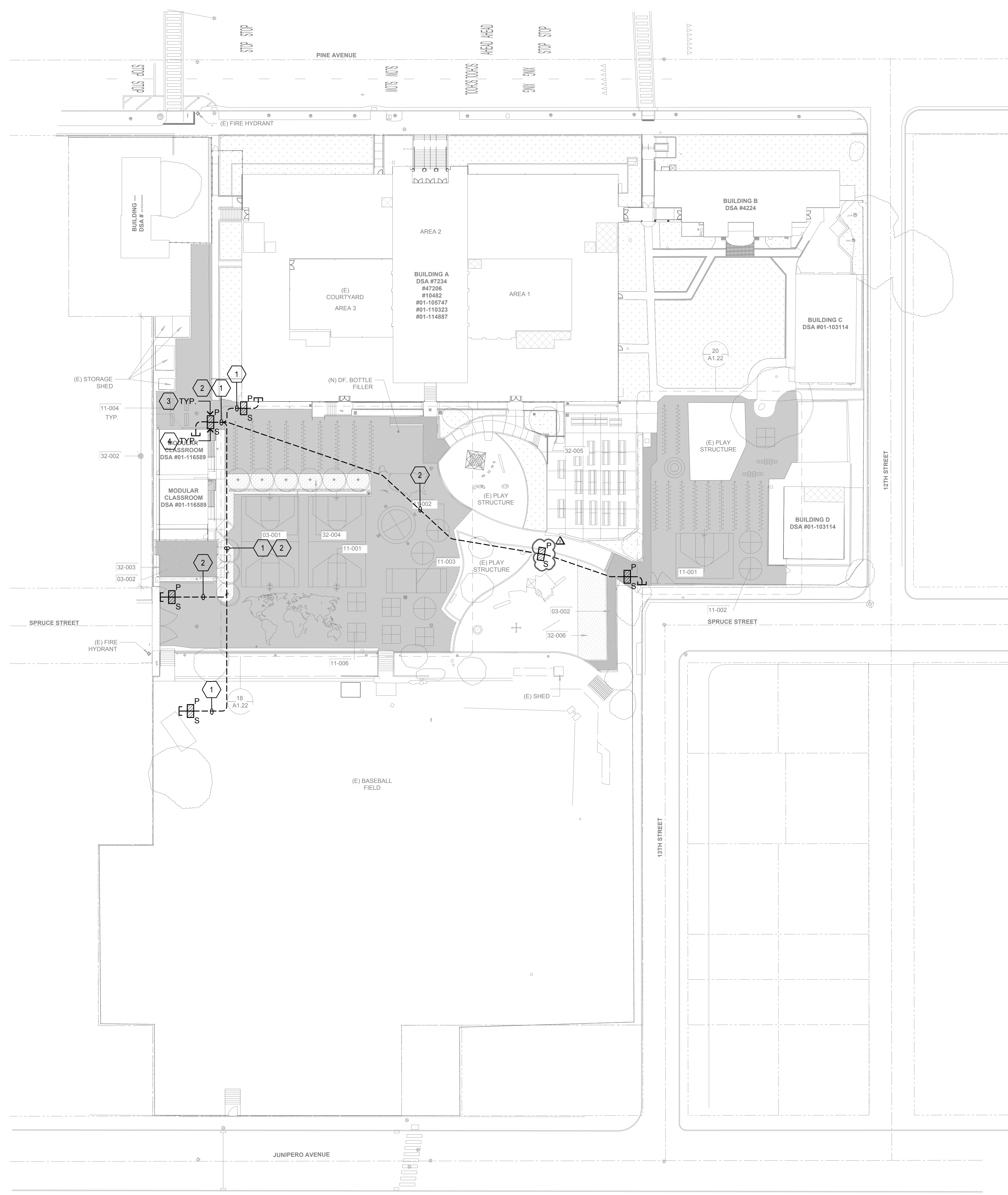
PACIFIC GROVE UNIFIED SCHOOL DISTRICT
ROBERT DOWNS ELEMENTARY SCHOOL PAVING MAINTENANCE PROJECT
 485 PINE AVE.
 PACIFIC GROVE, CA 93950

SHEET TITLE:
MATERIAL & DETAIL REFERENCE PLAN

Revision Schedule		
NO.	Description	Date

PROJECT #
 DCA 25.054
 CEI 3263
 ISSUE DATE:
 12/22/2026
 SHEET #
C7.2

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- ### SHEET NOTES
1. PROVIDE AND INSTALL 1" C.O. FOR POWER AND 1 1/2" C.O. FOR DATA TO FUTURE CAMERA LOCATION. STUB CONDUIT INTO ACCESSIBLE CEILING SPACE AT BUILDING H AND HOMERUN TO (E) IDF AND NEAREST ELECTRICAL PANEL.
 2. PROVIDE AND INSTALL 1" C.O. FOR POWER AND 1 1/2" C.O. FOR DATA TO FUTURE GATE KEYPAD LOCATION. STUB CONDUIT INTO ACCESSIBLE CEILING SPACE AT BUILDING H AND HOMERUN TO (E) IDF AND NEAREST ELECTRICAL PANEL.
 3. PROVIDE AND INSTALL CHRISTY #N16 CONCRETE PULLBOX. LABEL LID "ELECTRICAL".
 4. PROVIDE AND INSTALL CHRISTY #N16 CONCRETE PULLBOX. LABEL LID "SECURITY".

NOTES:

A. 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.

B. ALL WIRING FOR SITE LIGHTING SHALL BE #10 AWG MINIMUM, U.O.N.

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PACIFIC GROVE UNIFIED SCHOOL DISTRICT
ROBERT DOWN ELEMENTARY SCHOOL
PAVING MAINTENANCE PROJECT

485 PINE AVE
 PACIFIC GROVE, CA 93950

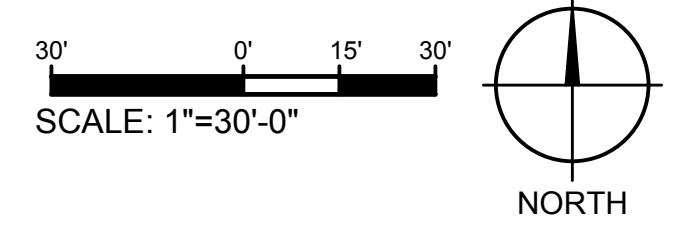
SHEET TITLE:
ELECTRICAL SITE PLAN

Revision Schedule		
NO.	Description	Date
3	ADDENDUM 3	03/23/26

PROJECT #
25.052

ISSUE DATE:
03/23/2026

SHEET #
E201





February 24, 2026

H46201.01-03

Mr. Josh Jorn
Pacific Grove Unified School District
433 Hillcrest Avenue
Pacific Grove, California 93950

Subject: Limited Geotechnical Engineering Investigation
Playcourt Pavement Replacement Project
Robert Down Elementary School
485 Pine Avenue
Pacific Grove, California

Dear Mr. Jorn:

We are pleased to present the results of this limited geotechnical engineering investigation conducted for replacement of the playcourt pavements at Robert Down Elementary School in Pacific Grove, California.

The scope of work conducted for this investigation was specified by Brailsford & Dunlavey, Inc, including an Overall Site Plan, Existing Conditions, with red-lined exploration locations.

1.0 SITE AND PROJECT DESCRIPTION

It is our understanding that the project will include replacement of existing asphalt-concrete paved playcourts within the Robert Down Elementary School (RDES) campus, located at 485 Pine Avenue in Pacific Grove, California. The playcourts make up about 25,000 square feet in area and are located within the central portion of the campus. The approximate site location is indicated on Drawing No. 1 in Appendix A of this report. Brailsford & Dunlavey, Inc. requested Moore Twining Associates, Inc. (Moore Twining) to collect three (3) bulk soil samples at the locations shown on Drawing No. 2, Site Plan in Appendix A.

At the time of our site observations, the subject area supported asphalt-concrete (AC) playcourts with court striping and decorative paint. It should be further noted that the subject area contains poles with foundations such as basketball hoops.

The project will reportedly include removal of the existing pavement sections and replacement with a new asphalt concrete pavement sections. Based on information provided by Brailsford & Dunlavey, it is our understanding that the potential traffic loading for the new pavement areas would range from occasional light vehicles and potentially a fire truck.

2.0 PURPOSE OF SAMPLING AND TESTING

The purpose of our services was to conduct a limited subsurface investigation in order to sample and test the subgrade soils and provide recommendations for design and preparation of the new asphalt concrete pavements. Our services did not include an evaluation of existing pavement conditions, proposed underground utilities, curbs, gutters or sidewalks; or, evaluation of any proposed structures, geologic or seismic hazards.

3.0 FIELD EXPLORATION

Three (3) test borings were cored and hand augered on December 17, 2025, in order to measure the existing pavement thickness, log the near surfaces soils, and obtain samples for laboratory testing. The borings were drilled by coring the existing asphalt pavement surface using a diamond-tip core barrel advanced with a concrete coring machine. The underlying soils were then excavated and sampled using a 6-inch diameter hand auger. The borings were drilled to final depths of about 23 to 26 inches below the existing pavement surface. The approximate hand-auger boring locations are shown on Drawing No. 2 in Appendix A of this report.

It should be noted that this investigation was conducted along with three (3) other sites. Thus, the hand auger borings advanced for the four campuses investigated were labeled HA-1 for Pacific Grove High School, HA-2 and HA-3 for Forest Grove Elementary School, HA-4, HA-5, and HA-6 for Robert Down Elementary School, and HA-7 and HA-8 for the Pacific Grove Adult Education campus.

During drilling, bulk samples of soil were obtained for laboratory testing. The test borings were hand augered by a Moore Twining technician and logged by a staff engineer. The soil classification was in accordance with the Unified Soil Classification System and consisted of particle size, color, and other distinguishing features of the soil.

At the completion of drilling and sampling operations, the boring holes were backfilled with soil cuttings and restored/topped with cold patch asphalt.

4.0 PAVEMENT SECTION THICKNESS AND LABORATORY TEST RESULTS

The pavement materials and thicknesses encountered at the boring locations are summarized in the following table. The approximate locations of the borings are shown on Drawing No. 2 and the materials encountered at each boring are noted on the logs in Appendix B.

Table No. 1
Existing Pavement Section Thicknesses And Subgrade Test Results

Location	AC Section Thickness (inches)	Granular Fill / Aggregate Base (inches)	Native Subgrade Soils Classification	R-Value
HA-4	2¼	3.0	Silty Sand (SM)	74
HA-5	3	3.0	Silty Sand (SM)	75
HA-6	2¾	Not Encountered	Poorly Graded Sand (SP)	70

Notes:

1 - The asphalt concrete was measured on four (4) sides of the core to the nearest 1/8 inch, and the granular fill / aggregate base was measured at several locations and rounded to the nearest 1/4 of an inch

5.0 EVALUATION

The data and methodology used to develop recommendations for project design and preparation of construction specifications are summarized in the following subsections. The evaluation was based upon the subsurface soil conditions determined from this investigation and our understanding of the proposed construction.

5.1 Asphalt Concrete Pavement Design: The subgrade soils encountered at the three test boring locations, HA-4, HA-5, and HA-6, within the asphalt paved playcourt areas consisted of granular soils including silty sand and poorly graded sand. The samples tested indicated good pavement support characteristics considering R-values of 74, 75, and 70, respectively. Thus, an R-value of 50 was used for design of the replacement pavement sections at this site. Pavement sections are provided in this report using a typical two layer pavement with a new asphalt concrete section over a new layer of Class 2 aggregate base using the gravel equivalent method in accordance with the California Department of Transportation (Caltrans) Highway Design Manual and our experience with similar projects.

6.0 RECOMMENDATIONS

Based on the evaluation of the field and laboratory data and our geotechnical experience in the vicinity of the project, the following recommendations are presented for use in the project design and construction. However, this report should be considered in its entirety. When applying the recommendations for design, the background information, procedures used and findings should be considered. The recommended design consultation and construction monitoring by Moore Twining are integral to the proper application of the recommendations.

Where the requirements of a governing agency differ from the recommendations of this report, the more stringent recommendations should be applied to the project.

6.1 General

- 6.1.1 Moore Twining should be retained to review the final grading and pavement plans so that any relevant recommendations can be presented.
- 6.1.2 Plans should identify the requirements for maintaining drainage, ADA accessibility, applicable minimum and maximum slope requirements, striping, etc.
- 6.1.3 Where repairs or modification of pavements adjacent to the buildings are conducted (if any), it will be critical to develop and maintain site grades which will drain surface and roof runoff away from foundations - both during and after construction. Adjacent surfaces which are paved should be sloped at least 1 percent away from the foundations or as required by applicable local, state and federal regulations, while also maintaining ADA requirements.
- 6.1.4 A preconstruction meeting including, as a minimum, the owner, general contractor, earthwork contractor, paving subcontractor, and Moore Twining should be scheduled by the general contractor at least one week prior to the start of demolition. The purpose of the meeting should be to discuss critical project requirements and scheduling.
- 6.1.5 Contractor(s) bidding on this project should determine if the data are adequate for accurate bid purposes. If the data are not sufficient, the contractor should notify the Owner in writing prior to bidding the project if sufficient data is not available to accurately bid the project. The contractor shall describe in detail the issues that are not sufficient to submit an accurate bid.
- 6.1.6 A demolition plan should be prepared to identify existing improvements such as underground utilities, pavements, etc. that are to be demolished and removed as part of the project, and which improvements are to remain and be protected.

6.2 Site Preparation and Engineered Fill Compaction for New Pavements

- 6.2.1 As part of the subgrade preparation, after removal of the existing surface improvements, the subgrade soils should be scarified to a depth of 12 inches, moisture conditioned to within two (2) percent of optimum moisture content and compacted to a minimum of 95 percent relative compaction (based on the maximum dry density determined in accordance with ASTM D 1557) and to achieve a stable subgrade condition prior to placement of aggregate base.
- 6.2.2 The onsite soils will be suitable for use as engineered fill below the aggregate base in the areas of the pavement replacement, provided the onsite soils are aerated/moisture conditioned in accordance with the recommendations of this report. Although not anticipated, if clay soils are encountered, Moore Twining should be notified to develop specific recommendations for those areas. If significant areas of clay subgrade soils are exposed during grading, the recommended pavement sections/pavement repairs may be revised.
- 6.2.3 If soils other than those considered in this report are encountered, Moore Twining should be notified to provide alternate recommendations.
- 6.2.4 The compactability of the native or import soils is dependent upon the moisture contents, subgrade conditions, degree of mixing, type of equipment, as well as other factors. The evaluation of such factors was beyond the scope of this report; therefore, it is recommended that they be evaluated by the contractor during preparation of bids and construction of the project.
- 6.2.5 Prior to placement of the asphalt concrete, the prepared aggregate base section surface should be proof-rolled under the observations of Moore Twining to confirm a firm, non-yielding condition. Any unstable areas should be repaired/stabilized prior to placement of the aggregate base. Unstable areas identified during proofrolling shall be excavated and replaced with aggregate base compacted to a minimum of 95 percent of the maximum dry density as determined by ASTM Test Method D1557 to achieve a stable condition.
- 6.2.6 Import fill soil (if needed) should be non-recycled and granular in nature with the following acceptance criteria recommended.

Percent Passing 3-Inch Sieve	100
Percent Passing No. 4 Sieve	85 - 100
Percent Passing No. 200 Sieve	10 - 40
Organics	Less than 3 percent by weight
R-value	Minimum 50

- 6.2.7 Prior to importing fill, the Contractor shall submit test data that demonstrates that the proposed import soils comply with the recommended criteria for both geotechnical and environmental compliance. Also, prior to being transported to the site, the import material shall be certified by the Contractor and the supplier (to the satisfaction of the Owner) that the soils do not contain any environmental contaminants regulated by local, state or federal agencies having jurisdiction. This certification shall consist of, as a minimum, analytical data specific to the source of the import material in accordance with the Department of Toxic Substances Control, “Informational Advisory, Clean Imported Fill Material,” dated October 2001. The list of constituents to be tested for the fill source shall be submitted to the Owner for review and approval prior to the Contractor testing the fill.
- 6.2.8 Imported engineered fill soils and onsite granular fill should be placed in loose lifts approximately 8 inches thick, moisture-conditioned to between optimum and three (3) percent above optimum moisture content, and compacted to a dry density of at least 92 percent of the maximum dry density as determined by ASTM Test Method D1557, with exception that the upper 12 inches of fill placed in pavement areas should be compacted to a minimum of 95 percent of the maximum dry density as determined by ASTM Test Method D1557. Additional lifts should not be placed if the previous lift did not meet the required dry density or if soil conditions are not stable.
- 6.2.9 In-place density testing should be conducted in accordance with ASTM D 6938 (nuclear methods) at a frequency of at least:

**Table No. 2
Area and Minimum Test Frequency**

Area	Minimum Test Frequency
Pavement Areas, Mass Grading, Subgrade, and Aggregate Base	1 test per 2,500 square feet per compacted lift
Utility Lines	1 test per 100 feet per compacted lift

- 6.2.10 All utility trench backfill should be moisture conditioned and compacted as engineered fill.

- 6.2.11 Open graded gravel and rock material such as ¾-inch crushed rock or ½-inch crushed rock should not be used as backfill including trench backfill. In the event gravel or rock is required by a regulatory agency for use as backfill (Contractor to obtain a letter from the agency stating the requirement for rock and/or gravel as backfill), all open graded materials shall be fully encased in a geotextile filter fabric, such as Mirafi 140N, to prevent migration of fine grained soils into the porous material. Gravel and rock cannot be used without the written approval of Moore Twining. If the contractor elects to use crushed rock (and if approved by Moore Twining), the contractor will be responsible for slurry cut off walls at the locations directed by Moore Twining. Crushed rock should be placed in thin (less than 8 inch) lifts and densified with a minimum of three (3) passes using a vibratory compactor.
- 6.2.12 Aggregate base used for asphalt concrete pavement construction should comply with Class 2 aggregate base in accordance with the State of California Standard Specifications. Aggregate base shall be compacted to a minimum relative compaction of 95 percent of the maximum dry density determined in accordance with ASTM D1557 standards. Prior to importing the aggregate base material, the contractor should submit documentation demonstrating that the material meets all the project requirements (i.e., gradation, R-value, durability, sand equivalent, recycled content, etc.) for the applicable aggregate base to the Project Civil Engineer for review and approval.

6.3 Asphalt Concrete (AC) Pavements

Based on the findings of this investigation, recommendations are provided below for new asphalt concrete pavements based on our understanding of the pavement uses.

- 6.3.1 The following pavement sections are based on an R-value of 50, traffic index values ranging from 4.5 to 8.0 and a minimum of 3 inches of asphalt concrete. It should be noted that if pavements are constructed prior to construction of the buildings, the traffic index value should account for construction traffic. It would be anticipated that the traffic indices for the new pavement areas and uses would range from about 4.5 (light vehicles), to about 6.0 (fire truck areas), and approximately 8.0 (trash truck). However, the actual traffic index values applicable to the project should be determined by the project civil engineer. If recommendations are needed for different traffic loading conditions, Moore Twining should be contacted to develop additional pavement section recommendations. The subgrade soils should be prepared as recommended in this report.

**Table No. 3
 Minimum Pavement Section Thicknesses, (R-value = 50)**

Traffic Index	AC thickness, inches	AB thickness, inches
4.5	2.5	4.0
5.0	3.0	4.0
5.5	3.0	4.0
6.0	3.5	4.0
6.5	3.5	4.5
7.0	4.0	4.5
7.5	4.5	5.0
8.0	4.5	6.0

AC - Asphalt Concrete compacted as recommended in this report
 AB - Class II Aggregate Base compacted to at least 95 percent relative compaction (ASTM D1557)

6.3.2 The curbs (if any) where pavements meet irrigated landscape areas or uncovered open areas should be extended to the bottom of the aggregate base section. This should reduce subgrade moisture from irrigation and runoff from migrating into the base section and reducing the life of the pavements. If an increased risk of wetting of the subgrade soils and an accelerated distress to the pavement is acceptable to the owner, the deepened curbs may be omitted.

6.3.3 If actual pavement subgrade materials are significantly different from those tested for this study due to unanticipated grading or soil importing, the pavement sections should be re-evaluated for the changed subgrade conditions.

- 6.3.4 Pavement section design assumes that proper maintenance, such as sealing and repair of localized distress, will be performed on an as needed basis for longevity and safety.
- 6.3.5 The asphalt concrete, including the joint density, should be compacted to an average relative compaction of 93 percent, with no single test value being below a relative compaction of 91 percent and no single test value being above a relative compaction of 97 percent of the referenced laboratory density according to ASTM D2041.
- 6.4.8 The asphalt concrete should comply with the requirements for a Type A asphalt concrete in accordance with the current State of California Department of Transportation (Caltrans) Standard Specification, or the requirements of the governing agency, whichever is more stringent.

7.0 DESIGN CONSULTATION

Moore Twining should be retained to review those portions of the contract drawings and specifications that pertain to earthwork operations and pavements prior to finalization to determine whether they are consistent with our recommendations. This service is not part of this current contractual agreement. If Moore Twining is not retained for review, we assume no liability for the misinterpretation of our conclusions and recommendations. This review is documented by a formal plan/specification review report provided by Moore Twining.

8.0 CONSTRUCTION MONITORING

- 8.1 It is recommended that Moore Twining be retained to observe the excavation, earthwork, and paving phases of work to determine that the subsurface conditions are compatible with those used in the analysis and design.
- 8.2 Moore Twining can conduct the necessary observation and field testing to provide results so that action necessary to remedy indicated deficiencies can be taken in accordance with the plans and specifications. Upon completion of the work, a written summary of our observations, field testing and conclusions will be provided regarding the conformance of the completed work to the intent of the plans and specifications. This service is not, however, part of this current contractual agreement.

- 8.3 In the event that the earthwork operations for this project are conducted such that the construction sequence is not continuous, (or if construction operations disturb the surface soils) it is recommended that the exposed subgrade that will receive pavements be tested to verify adequate compaction and/or moisture conditioning. If adequate compaction, stability, or moisture contents are not verified, the fill soils should be over-excavated, scarified, moisture conditioned and compacted are recommended in the Recommendations of this report.
- 8.4 The construction monitoring is an integral part of this investigation. This phase of the work provides Moore Twining the opportunity to verify the subsurface conditions interpolated from the soil borings and make alternative recommendations if the conditions differ from those anticipated.
- 8.5 If Moore Twining is not retained to provide engineering observation and field-testing services during construction activities related to earthwork and pavements; then, Moore Twining will not be responsible for compliance of any aspect of the construction with our recommendations or performance of the pavements if the recommendations of this report are not followed. It is recommended that if a firm other than Moore Twining is selected to conduct these services that they provide evidence of professional liability insurance satisfactory to the Owner. After their review, the firm should, in writing, state that they understand and agree with the recommendations of this report and agree to conduct sufficient observations and testing to ensure the construction complies with this report's recommendations. Moore Twining should be notified, in writing, if another firm is selected to conduct observations and field-testing services prior to construction.
- 8.6 Upon the completion of work, a final report should be prepared by Moore Twining. This report is essential to ensure that the recommendations presented are incorporated into the project construction, and to note any deviations from the project plans and specifications. The client should notify Moore Twining upon the completion of work to prepare a final report summarizing the observations during site preparation activities relative to the recommendations of this report. This service is not, however, part of this current contractual agreement.

9.0 NOTIFICATION AND LIMITATIONS

- 9.1 The recommendations presented in this report are based on the information provided regarding the proposed construction, and the results of the field and laboratory investigation, combined with interpolation of the subsurface conditions between boring locations. The nature and extent of subsurface variations between borings may not become evident until construction.
- 9.2 If variations or undesirable conditions are encountered during construction, Moore Twining should be notified promptly so that these conditions can be reviewed and our recommendations reconsidered where necessary. It should be noted that unexpected conditions frequently require additional expenditures for proper construction of the project.
- 9.3 If the proposed construction is relocated or redesigned, or if there is a substantial lapse of time between the submission of our report and the start of work (over 12 months) at the site, or if conditions have changed due to natural cause or construction operations at or adjacent to the site, the recommendations contained in this report should be considered invalid unless the changes are reviewed and our recommendations modified or approved in writing.
- 9.4 The recommendations contained in this report are valid only for the project discussed in Section 1.0, Site and Project Description. The use of the information and recommendations contained in this report for improvements on this site not discussed herein or for structures on other sites not discussed in this report is not recommended. The entity or entities that use or cause to use this report or any portion thereof for another structure or site not covered by this report shall hold Moore Twining, its officers and employees harmless from any and all claims and provide Moore Twining's defense in the event of a claim.
- 9.5 This report presents the results of a geotechnical engineering investigation for new pavements only and should not be construed as an environmental audit or study.
- 9.6 Our professional services were performed, our findings obtained, and our recommendations prepared in accordance with generally-accepted engineering principles and practices. This warranty is in lieu of all other warranties either expressed or implied.
- 9.7 Reliance on this report by a third party (i.e., that is not a party to our written agreement) is at the party's sole risk. If the project and/or site are purchased by another party, the purchaser must obtain written authorization and sign an agreement with Moore Twining in order to rely upon the information provided in this report.

**Limited Geotechnical Engineering Investigation
Playcourt Pavement Replacement Project
Robert Down Elementary School
485 Pine Avenue, Pacific Grove, California**

**H46201.01-03
February 24, 2026**

Page 12

We appreciate the opportunity to be of service to Pacific Grove Unified School District and Brailsford & Dunlavey, Inc. If you have any questions regarding this report, or if we can be of further assistance, please contact us at your convenience.

Sincerely,
MOORE TWINING ASSOCIATES, INC.
Geotechnical Engineering Division



Shaun Reich EIT
Staff Engineer



Read L. Andersen, RGE
Geotechnical Division Manager

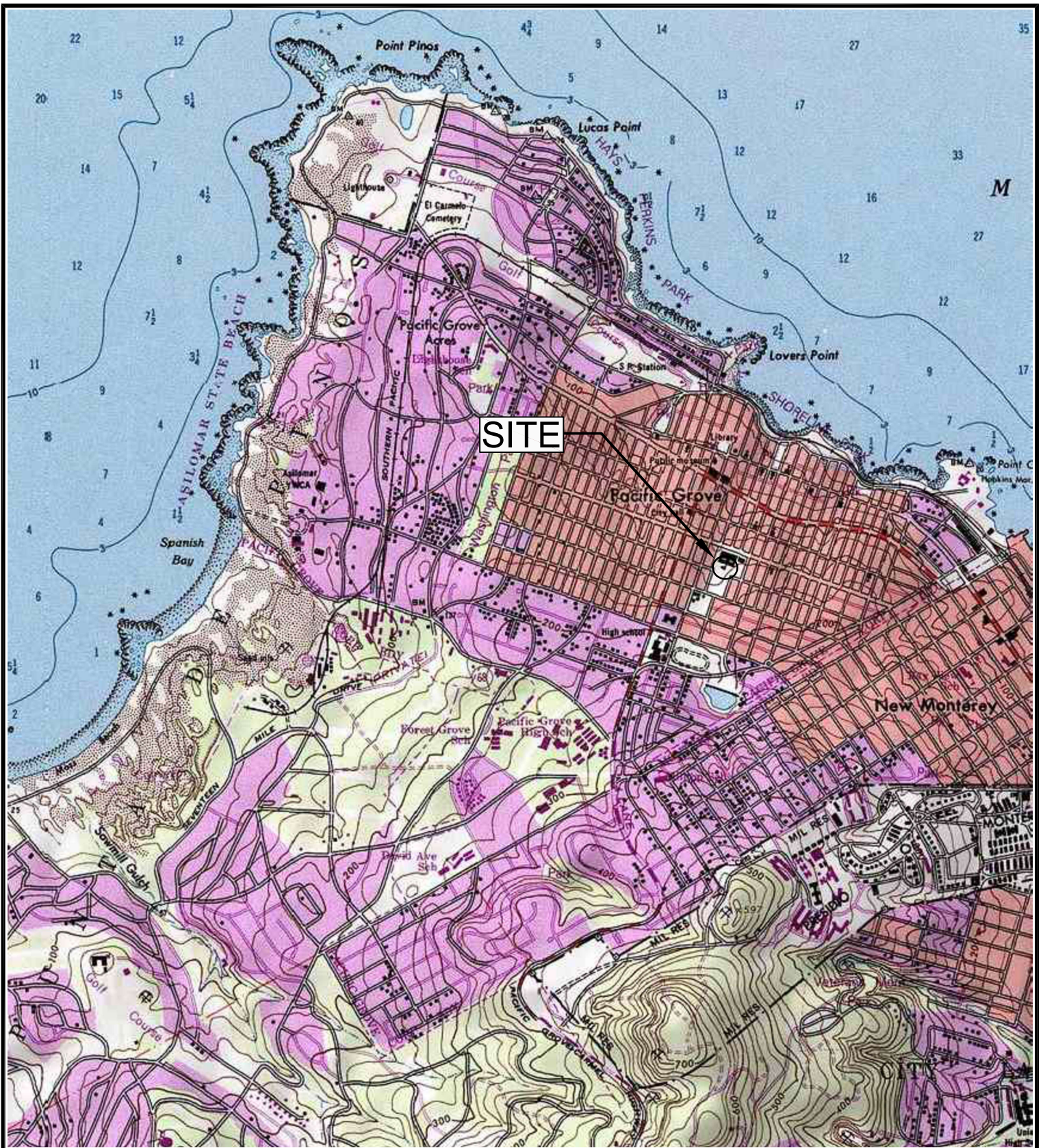


APPENDIX A

DRAWINGS

Drawing No. 1 - Site Location Map

Drawing No. 2 - Test Boring Location Map



SOURCE: U.S.G.S. TOPOGRAPHIC MAP, 7 1/2 MINUTE SERIES
 MONTEREY, CALIFORNIA QUADRANGLE 1971

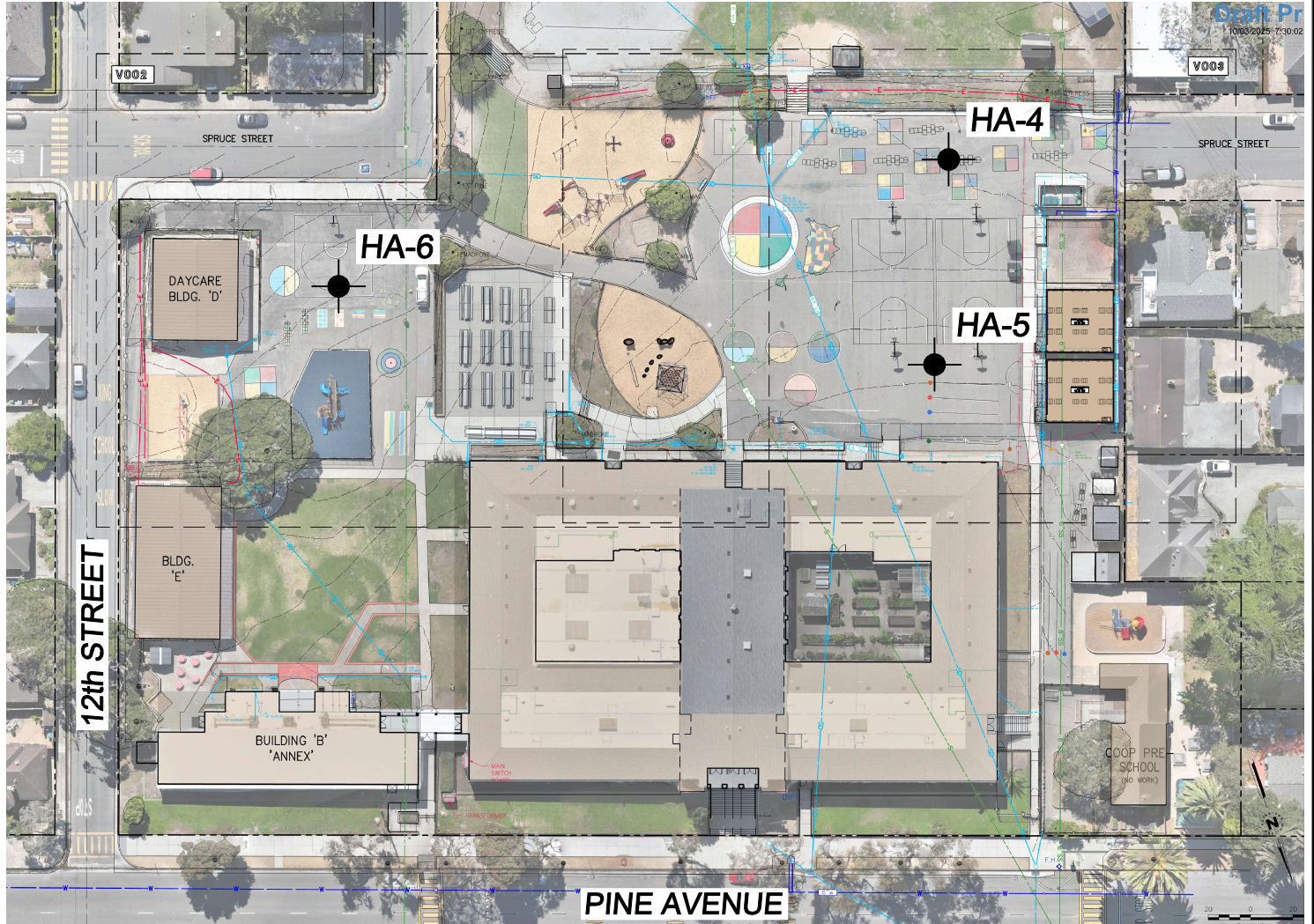



SITE LOCATION MAP
 ROBERT DOWN ELEMENTARY SCHOOL
 485 PINE AVENUE
 MONTEREY, CALIFORNIA

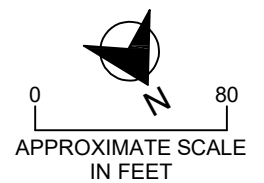
FILE NO: 46201-01-01	DATE: 02/20/2026
DRAWN BY: RM	APPROVED BY:
PROJECT NO. H46201.01	DRAWING NO. 1



**MOORE TWINING
 ASSOCIATES, INC.**




 APPROXIMATE HAND AUGER BORING LOCATION



HAND AUGER BORING LOCATION MAP
 ROBERT DOWN ELEMENTARY SCHOOL
 485 PINE AVENUE
 MONTEREY, CALIFORNIA

FILE NO.
 46201-01-02
 DRAWN BY:
 RM
 PROJECT NO.
 H46201.01-2

DATE DRAWN:
 02/20/2026
 APPROVED BY:

 DRAWING NO.
 2



**MOORE TWINING
 ASSOCIATES, INC.**

APPENDIX B**LOGS OF BORINGS**

This appendix contains the final logs of borings. These logs represent our interpretation of the contents of the field logs and the results of the field and laboratory tests.

The logs and related information depict subsurface conditions only at these locations and at the particular time designated on the logs. Soil conditions at other locations may differ from conditions occurring at these test boring locations. Also, the passage of time may result in changes in the soil conditions at these test boring locations.

In addition, an explanation of the abbreviations used in the preparation of the logs and a description of the Unified Soil Classification System are provided at the end of Appendix B.



Test Boring: HA-4

Project: Forest Grove Elementary School, Pacific Grove USD

Project Number: H46201.01-03

Drilled By: HR

Logged By: SR

Drill Type: Hand Auger

Date: 12/17/2025

Auger Type: 6" O.D. Hand Auger

Elevation:

Hammer Type: N/A

**Depth to Groundwater
First Encountered During Drilling:** N/E

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
0		AC	Asphalt Concrete Thickness = 2.25 inches	R-Value = 74 -200 = 14.6% Sand = 84.8% +4 = 0.6%		
		AB	AGGREGATE BASE Thickness = 3.0 inches; moist, brown, fine to coarse grained with fine to medium gravel and AC debris.			
1		SM	SILTY SAND; moist, brown, fine to medium grained sand with trace coarse sand and fine gravel			
2			Bottom of Hand Auger Boring B-4 at 26 inches BSG			
3						
4						
5						

Notes: Asphalt Concrete Playground Surface, R-Value sample collected from 5.25" to 26" BSG.

Figure Number



Test Boring: HA-5

Project: Forest Grove Elementary School, Pacific Grove USD

Project Number: H46201.01-03

Drilled By: HR

Logged By: SR

Drill Type: Hand Auger

Date: 12/17/2025

Auger Type: 6" O.D. Hand Auger

Elevation:

Hammer Type: N/A

**Depth to Groundwater
First Encountered During Drilling:** N/E

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
0 1 2 3 4 5		AC	Asphalt Concrete Thickness = 3.0 inches including 1.25 inch overlay	R-Value = 75 -200 = 16.1% Sand = 70.0% +4 = 13.9%		
		AB	AGGREGATE BASE Thickness = 3.0 inches; moist, brown, fine to coarse grained with fine to medium gravel and AC debris			
		SM	SILTY SAND; moist, brown, fine to medium grained sand			
			Bottom of Hand Auger Boring B-5 at 26 inches BSG			

Notes: Asphalt Concrete Playground Surface, R-Value sample collected from 6" to 26" BSG.

Figure Number



MOORE TWINING ASSOCIATES, INC.

Test Boring: HA-6

Project: Forest Grove Elementary School, Pacific Grove USD

Project Number: H46201.01-03

Drilled By: HR

Logged By: SR

Drill Type: Hand Auger

Date: 12/17/2025

Auger Type: 6" O.D. Hand Auger

Elevation:

Hammer Type: N/A

Depth to Groundwater

First Encountered During Drilling: N/E

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		AC	Asphalt Concrete Thickness = 2.75 inches including 1.5 inch overlay	R-Value = 70 -200 = 4.7% Sand = 94.0% +4 = 1.3%		
		SP	POORLY GRADED SAND; moist, brown, fine to medium grained sand			
			Bottom of Hand Auger Boring B-6 at 23 inches BSG			

Notes: Asphalt Concrete Playground Surface, R-Value sample collected from 3" to 23" BSG.

Figure Number

KEY TO SYMBOLS

Symbol Description

Strata symbols



Asphalt concrete



Gravel frac



Silty Sand



Poorly Graded Sand

Soil Samplers



Bulk/Grab sample



Bulk sample taken
from auger

Notes:

1. Exploratory borings were drilled on December 17, 2025 using a 6-0" outside diameter hand auger.
2. Groundwater was not encountered during drilling of some of the borings, see logs.
3. Boring locations were measured or paced from existing features.
4. These logs are subject to the limitations, conclusions, and recommendations in this report.
5. The "N-value" reported for the California Modified Split Barrel Sampler is the uncorrected field blow count. This value should not be interpreted as an SPT equivalent N-value.
6. Results of tests conducted on samples recovered are reported on the logs.

+4 = Percent retained on the No. 4 sieve(%)

-200 = Percent passing the No. 200 sieve (%)

Sand = Percent passing the No. 4

R-Value = Resistance Value

O.D. = Outside diameter

N/A = Not applicable

N/E = Not encountered

BSG = Below Site Grade Elevation

APPENDIX C**RESULTS OF LABORATORY TESTS**

This appendix contains the individual results of the following tests. The results of the moisture content and dry density tests are included on the test boring logs in Appendix B. These data, along with the field observations, were used to prepare the final test boring logs in Appendix B.

These Included:

To Determine:

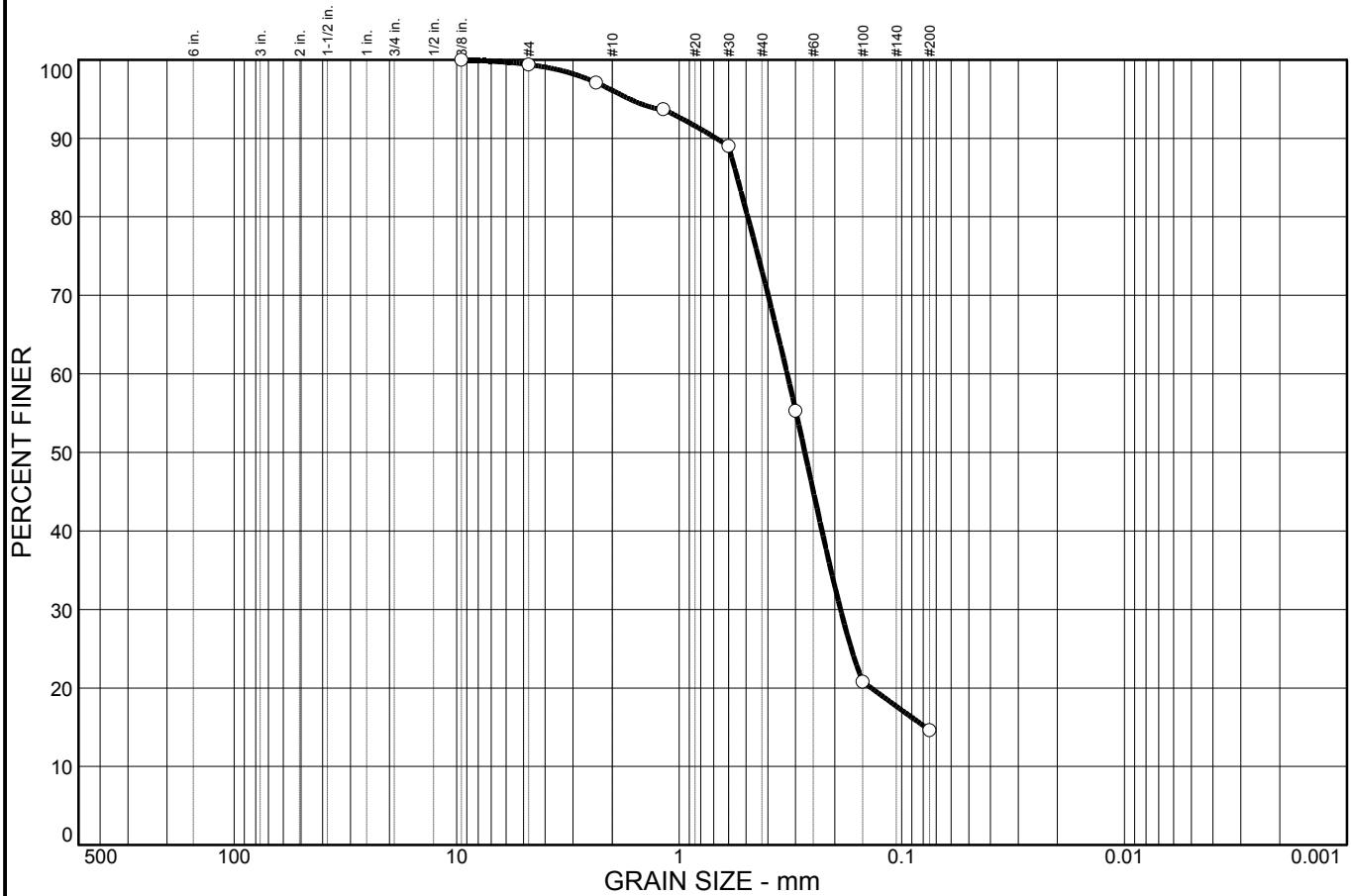
Grain-Size Distribution
(ASTM D422)

Size and distribution of soil particles, i.e., sand, gravel and fines (silt and clay).

R-Value
(ASTM D2844)

The capacity of a subgrade or subbase to support a pavement section designed to carry a specified traffic load.

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.6	3.3	23.0	58.5	14.6	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8 in.	100.0		
#4	99.4		
#8	97.1		
#16	93.7		
#30	89.0		
#50	55.3		
#100	20.8		
#200	14.6		

Material Description

Silty sand

Atterberg Limits
 PL= LL= PI=

Coefficients
 D₈₅= 0.549 D₆₀= 0.327 D₅₀= 0.273
 D₃₀= 0.189 D₁₅= 0.0784 D₁₀=
 C_u= C_c=

Classification
 USCS= SM AASHTO=

Remarks

* (no specification provided)

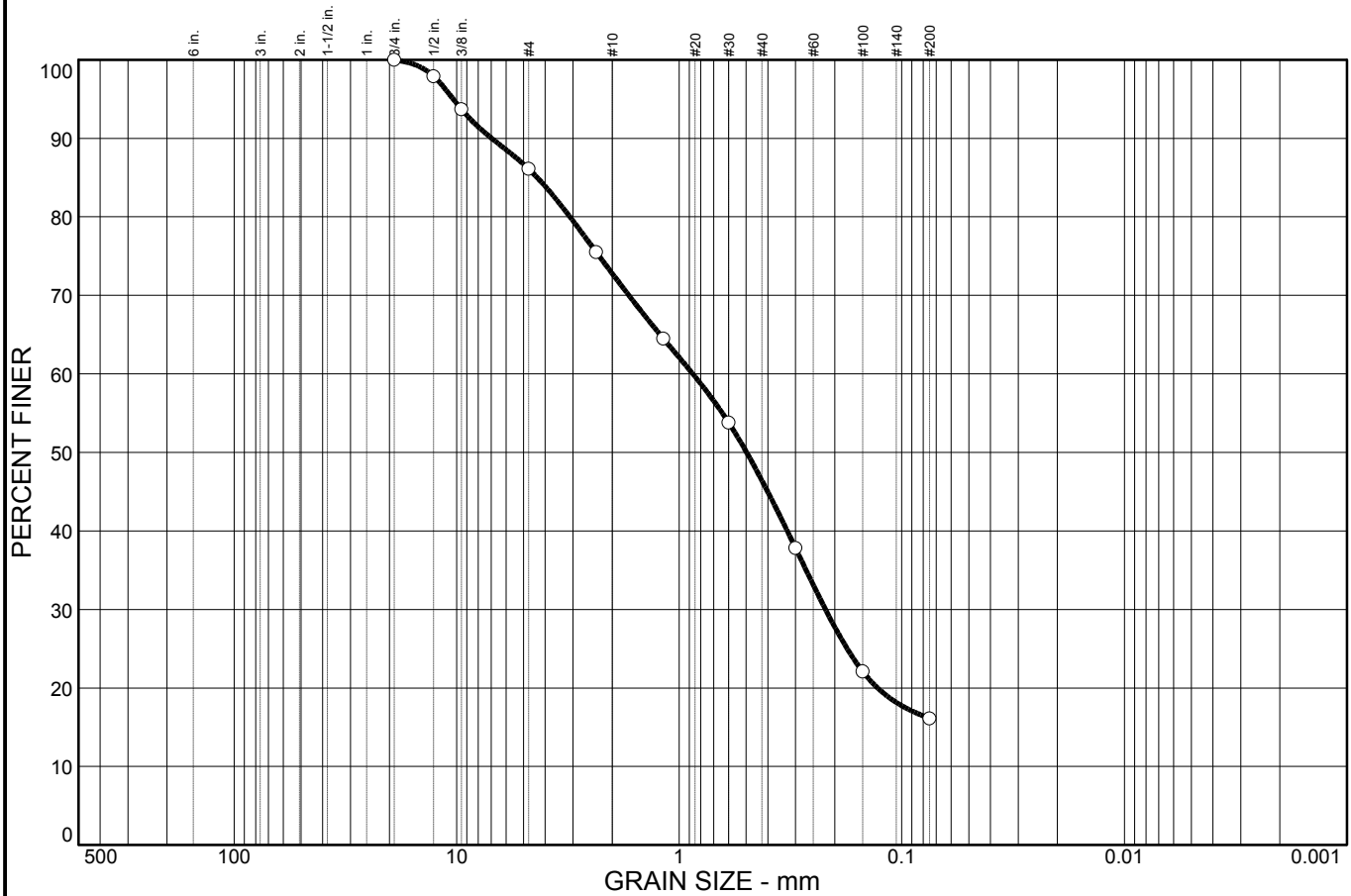
Sample No.: HA-4
Location:

Source of Sample:

Date: 12/17/25
Elev./Depth: 5.25"-26"

Moore Twining Associates, Inc. Fresno, CA	Client: Pacific Grove USD Project: Robert Down Elementary School Campus Project No.: H46201.01-3
Figure	

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	13.9	13.3	26.4	30.3	16.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100.0		
1/2 in.	97.9		
3/8 in.	93.7		
#4	86.1		
#8	75.5		
#16	64.5		
#30	53.8		
#50	37.8		
#100	22.1		
#200	16.1		

Material Description

Silty sand

Atterberg Limits

PL= LL= PI=

Coefficients

D₈₅= 4.35 D₆₀= 0.869 D₅₀= 0.498

D₃₀= 0.220 D₁₅= D₁₀=

C_u=

Classification

USCS= SM AASHTO=

Remarks

* (no specification provided)

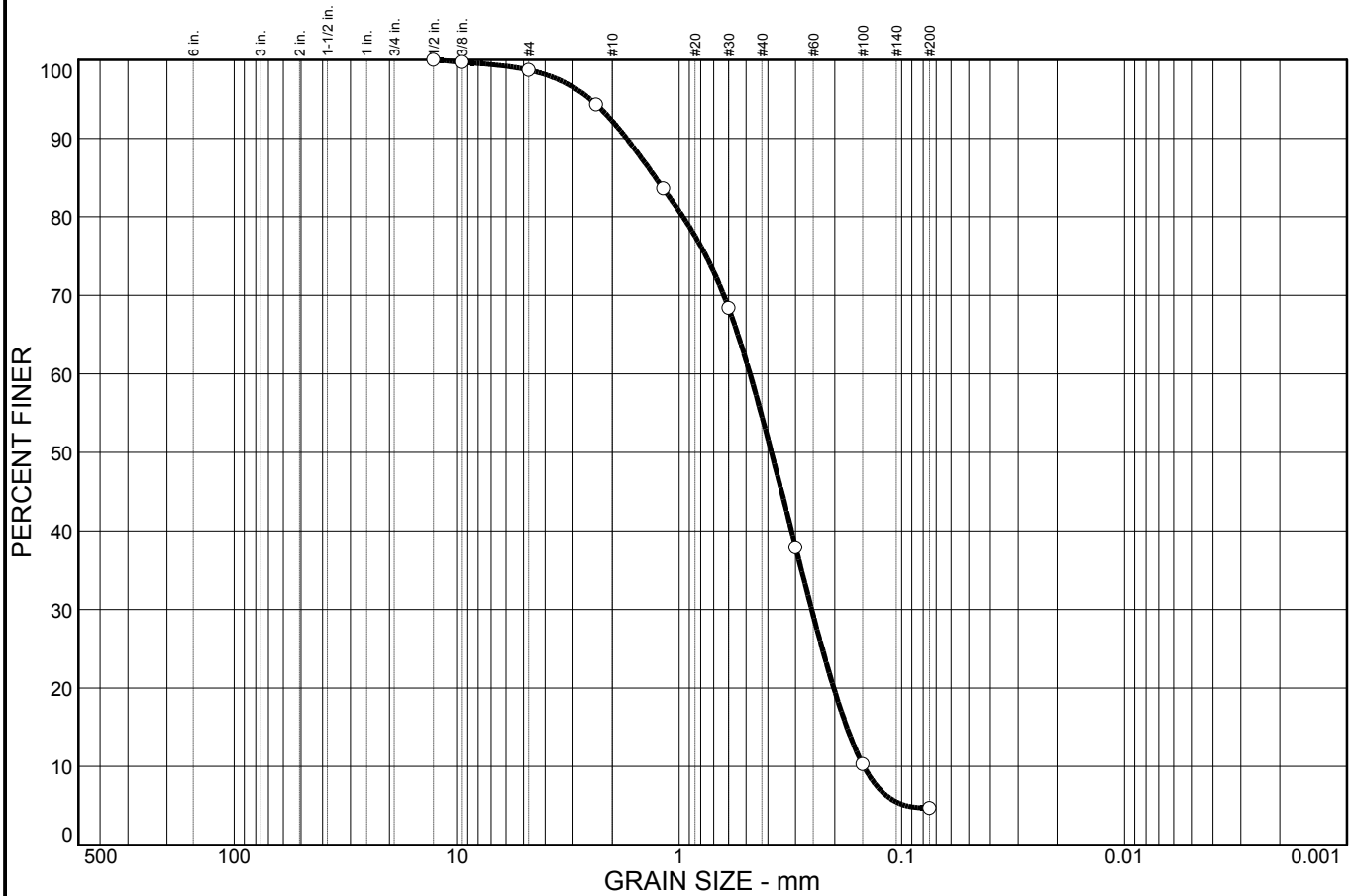
Sample No.: HA-5
Location:

Source of Sample:

Date: 12/17/25
Elev./Depth: 3"-6"

<p>Moore Twining Associates, Inc.</p> <p>Fresno, CA</p>	<p>Client: Pacific Grove USD</p> <p>Project: Robert Down Elementary School Campus</p> <p>Project No.: H46201.01-3</p> <p style="text-align: right;">Figure</p>
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Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	1.3	6.5	37.6	49.9	4.7	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1/2 in.	100.0		
3/8 in.	99.7		
#4	98.7		
#8	94.3		
#16	83.6		
#30	68.4		
#50	37.9		
#100	10.3		
#200	4.7		

Material Description

Poorly graded sand

Atterberg Limits

PL= LL= PI=

Coefficients

D₈₅= 1.28 D₆₀= 0.481 D₅₀= 0.385
D₃₀= 0.254 D₁₅= 0.177 D₁₀= 0.148
C_u= 3.25 C_c= 0.91

Classification

USCS= SP AASHTO=

Remarks

* (no specification provided)

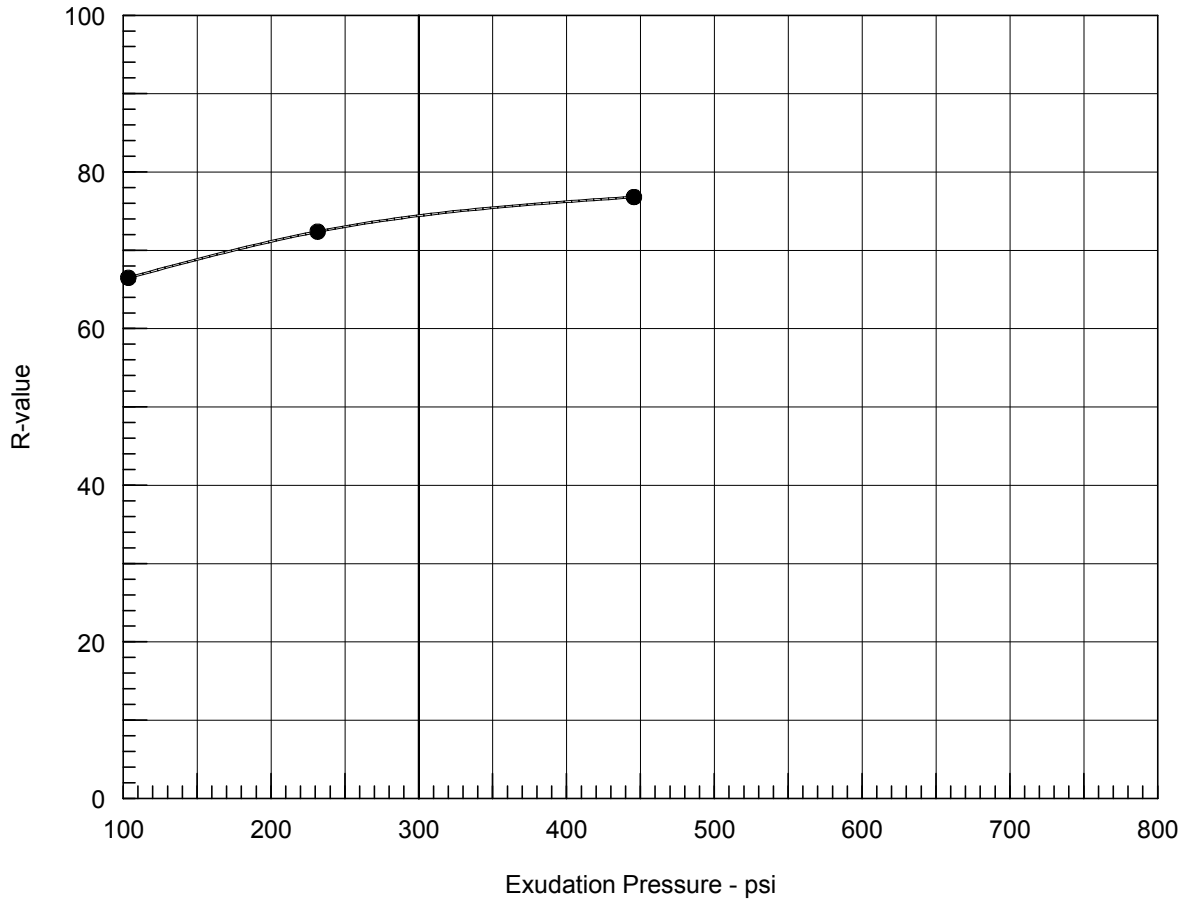
Sample No.: HA-6
Location:

Source of Sample:

Date: 12/17/25
Elev./Depth: 3"-23"

Moore Twining Associates, Inc. Fresno, CA	Client: Pacific Grove USD Project: Robert Down Elementary School Campus Project No.: H46201.01-3
Figure	

R-VALUE TEST REPORT



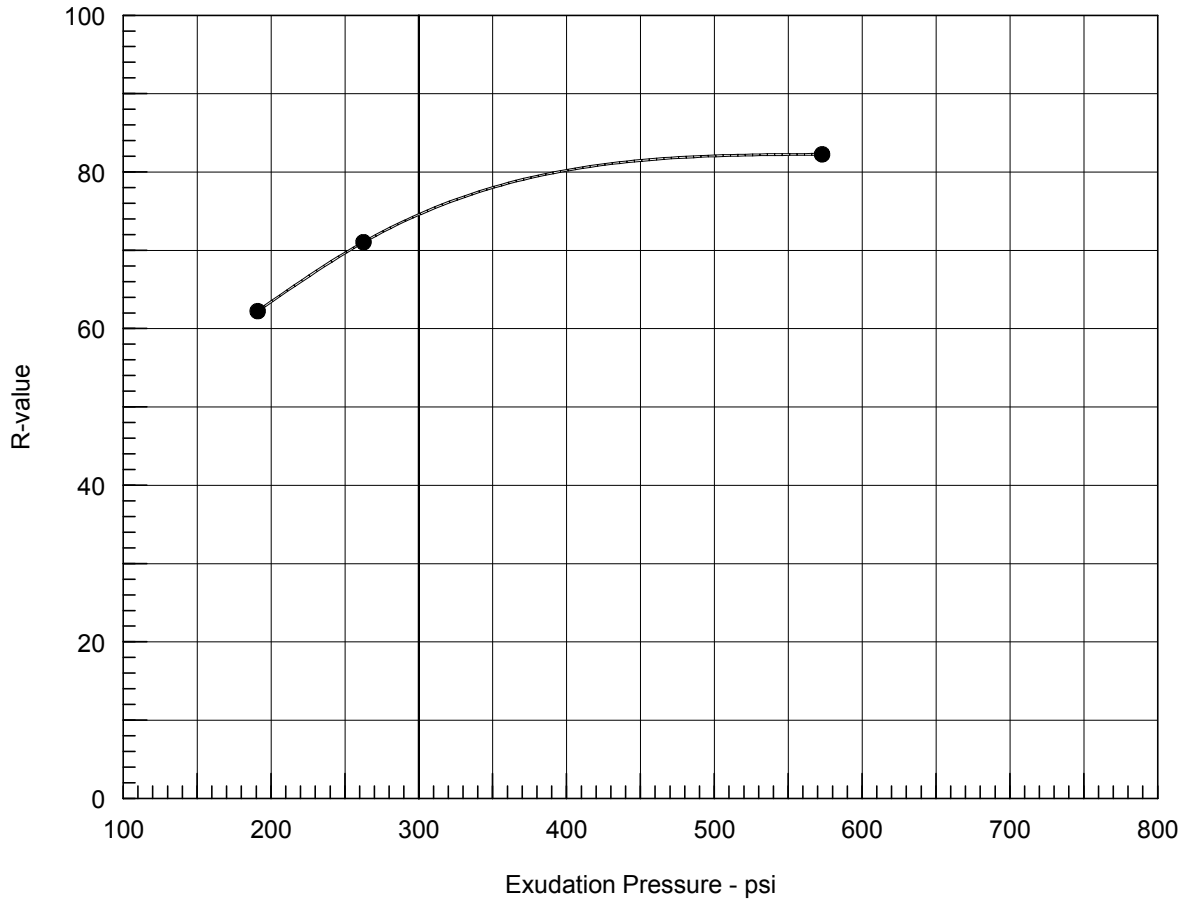
Resistance R-Value and Expansion Pressure - ASTM D 2844

No.	Compact. Pressure psi	Density pcf	Moist. %	Expansion Pressure psi	Horizontal Press. psi @ 160 psi	Sample Height in.	Exud. Pressure psi	R Value	R Value Corr.
1	350	113.0	15.3	0.00	33	2.52	103	66	66
2	350	115.0	14.2	0.00	27	2.50	232	72	72
3	350	116.1	13.2	0.00	23	2.49	446	77	77

Test Results	Material Description
<p>R-value at 300 psi exudation pressure = 74</p>	<p>Silty sand</p>
<p>Project No.: H46201.01-3 Project: Robert Down Elementary School Campus Sample Number: HA-4 Depth: 5.25"-26" Date: 1/19/2026</p>	<p>Tested by: JR Checked by: MS Remarks:</p>
<p>R-VALUE TEST REPORT Moore Twining Associates, Inc.</p>	

Figure N/A

R-VALUE TEST REPORT



Resistance R-Value and Expansion Pressure - ASTM D 2844

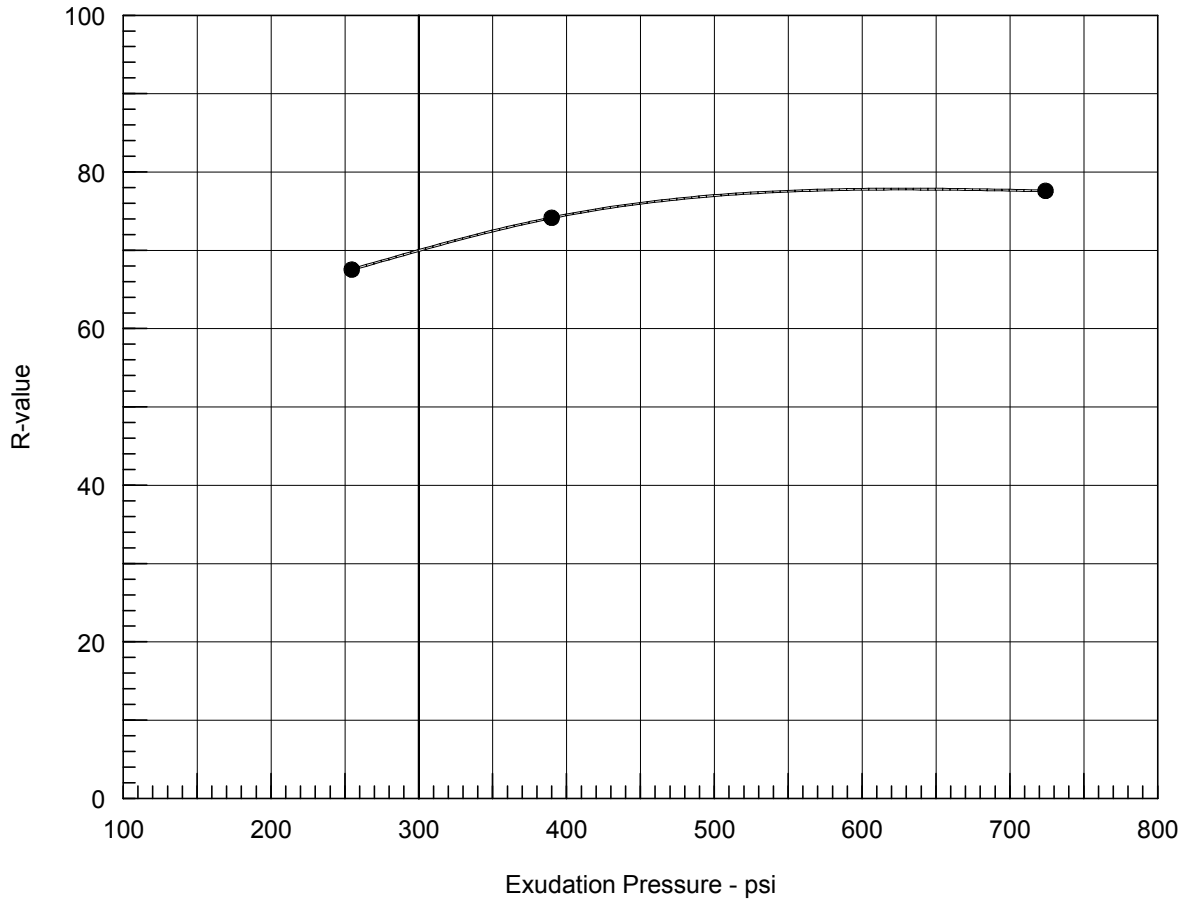
No.	Compact. Pressure psi	Density pcf	Moist. %	Expansion Pressure psi	Horizontal Press. psi @ 160 psi	Sample Height in.	Exud. Pressure psi	R Value	R Value Corr.
1	350	126.9	10.2	0.00	18	2.39	573	83	82
2	350	125.5	11.2	0.00	29	2.41	263	73	71
3	350	120.9	11.7	0.00	39	2.49	191	62	62

Test Results	Material Description
---------------------	-----------------------------

R-value at 300 psi exudation pressure = 75	Silty sand
--	------------

Project No.: H46201.01-3 Project: Robert Down Elementary School Campus Sample Number: HA-5 Depth: 6"-26" Date: 1/19/2026	Tested by: JR Checked by: MS Remarks:
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R-VALUE TEST REPORT



Resistance R-Value and Expansion Pressure - ASTM D 2844

No.	Compact. Pressure psi	Density pcf	Moist. %	Expansion Pressure psi	Horizontal Press. psi @ 160 psi	Sample Height in.	Exud. Pressure psi	R Value	R Value Corr.
1	350	110.9	13.2	0.00	25	2.51	724	78	78
2	350	108.6	13.8	0.00	28	2.55	390	74	74
3	350	107.5	14.3	0.00	37	2.57	255	66	68

Test Results	Material Description
R-value at 300 psi exudation pressure = 70	Poorly graded sand
Project No.: H46201.01-3 Project: Robert Down Elementary School Campus Sample Number: HA-6 Depth: 3"-23" Date: 1/19/2026	Tested by: JR Checked by: MS Remarks:
R-VALUE TEST REPORT Moore Twining Associates, Inc.	Figure N/A