

GENERAL NOTES

- 1. All work shall be done in accordance with the following:
a) Applicable sections of the State of California Department of Transportation Standard Specifications, latest edition, hereinafter called "Caltrans";
b) California Plumbing Code and California Building Code Provisions;
c) AWWA standards and specifications;
d) These plans and details shown herein;
e) 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;
f) Latest edition of the California State Code of Regulations Title 24;
g) The Project Specifications;
h) Soils Investigation prepared by Cornerstone Earth Group entitled "Geotechnical Investigation, New Brighton Middle School Field, 250 Washburn Avenue, Capitola, California". Project No. 993-1-2. Date November 16, 2023.

Where conflicts exist between any of the above listed specifications, the most stringent listed specification shall prevail.
2. 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.

3. Contractor shall supply all equipment, labor, and materials necessary to perform the work shown on this plan.
4. 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.

5. 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.
6. 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 so 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.

7. Contractor shall provide adequate dust control at all times as required by Owner's representative.
8. 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.
9. 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 811 or a private Underground Locator Service (at contractor's expense) and the affected utility company for marking underground lines prior to beginning work.

GRADING AND PAVING NOTES

- 1. Work shall consist of all clearing, grubbing, and stripping, 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.
2. The project geotechnical engineer is Cornerstone Earth Group. The project geotechnical report was prepared by Cornerstone Earth Group and is entitled "Geotechnical Investigation, New Brighton Middle School Field, 250 Washburn Avenue, Capitola, California". Project No. 993-1-2. Date November 16, 2023.

Special Attention is Directed to Sections:
5.1.1 - Presence of Undocumented Fill. Contractor should expect to encounter undocumented fill to depths of five feet. Overexcavation and recompaction to five feet beyond limits of improvements should be expected during grading operations as well as scarifying and recompacting the top 12 inches of subgrade soils.
5.1.2 - Presence of Moderately Expansive Soils. Contractor shall anticipate processing soils, such as drying any overly wet soils prior to reusing as fill material. Upper 12 inches of subgrade shall be processed and recompacted.

- 3. The Contractor shall notify the Soil Engineer, Cornerstone Earth Group, Phone: 408-245-4600 and the Owner's representative, at least forty-eight (48) hours prior to commencement of any grading operations on-site.
4. A representative of the Soils Engineer should be present during all grading and fill placement operations and perform compaction testing as deemed necessary. The representative shall notify the Contractor when conditions that should be corrected are identified during grading and fill placement operations. It is the Contractor's sole responsibility to provide corrective actions/measurements to the identified conditions.

5. In the event that any unusual conditions not covered by these notes and the Geotechnical Report are encountered during grading operations, the Soils Engineer shall be immediately notified for recommendations.
6. All existing trash, debris, roots, tree remains and other rubbish shall be removed from the site so as to leave the areas shall be free of debris. All existing debris shall be removed from the site. No debris shall be left on-site or in the areas indicated.

Area subgrade preparation Horizontal Vertical 0.05'+ 0.05'+
Compaction of subgrade materials shall extend a minimum of five (5) feet beyond building limits and three (3) feet beyond pavement, walkway, and curb and gutter limits.

- 8. All soils and aggregate base materials should be prepared and compacted in accordance with the geotechnical report recommendations.
9. 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.

Testing, acceptance, and handling of Class II Permeable Base, shall be per sections 6.7.1, 6.7.3 and 6.7.4 of the geotechnical report.

Prior to import of the Class II Permeable Aggregate Base, a gradation test should be performed on a representative sample collected from the source to verify that it meets the grading requirements as outlined in Section 68 of the Caltrans Standard Specifications. Additionally, periodic gradation tests should be performed on samples of the Class II Perm AB that are imported to the job site to confirm the delivered material meets the gradation requirements. Gradation tests should be performed on the compacted base for every 500 tons of imported permeable base or as specified by the project specifications, to document the in-place material meets the gradation specifications for Class II Permeable Base. Any material that does not meet the gradation requirements should be removed and replaced at no additional cost to the District.

Class II Permeable base should be placed under the observation of the Geotechnical Engineer's representative. A relative compaction of 90 to 92 percent is recommended for Class II Permeable Base. If during construction observation the field density testing indicates a higher relative compaction, the Class II Permeable base should be ripped, re-worked, and lightly compacted again to meet the compaction requirements at no additional cost to the District. Care should be taken not to alter the gradation of the Class II Permeable material during any re-working. If heavy trucks are allowed to make repeated trips across the permeable rock surface, the surface should be re-scarified and lightly rolled before infiltration testing is performed. If the material becomes mishandled, segregated, or broken down and not suitable for its intended purpose in the opinion of the designer or geotechnical engineer, it should be removed and replaced at no additional cost to the District.

- 10. Asphalt concrete (AC) shall be Type B, 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.
11. SC-70 liquid asphalt prime coat conforming to the provisions of the Caltrans Specifications shall be applied at the rate of 0.15+ gallons per square yard to surface of aggregate base prior to placement of asphalt concrete.
12. SS-1 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.
13. SS-1 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.
14. Contractor shall adjust all inlets, valve boxes, manhole rims, and sewer cleanouts to new finish grade.
15. 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 herein.

UNDERGROUND NOTES

- 1. 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.
2. 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 Capitola Standard Specifications, the Project Specifications and these plans and details shown herein.
3. Ensure grates are ADA compliant for all existing inlets to remain in traveled access paths, subject to pedestrian traffic. Replace as necessary.
4. All trench excavation and backfill for sewer lines shall conform to requirements of the City of Capitola Standard Specifications. Jetting of backfill materials to achieve compaction is not allowed.
5. 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.
6. Materials for pipe and installation requirements for domestic water lines shall be in accordance with applicable California Plumbing Code sections, the City of Capitola Standard Specifications, and these plans and details shown herein.

LEGEND

Table with columns: DESCRIPTION, DETAIL, PROPOSED, EXISTING. Includes items like PROPERTY LINE, CENTERLINE, AC PAVEMENT, ARTIFICIAL TURF, DECOMPOSED GRANITE, CURB & GUTTER, RETAINING CURB, RETAINING WALL, KEYSTONE WALL, HEADERBOARD, SIDEWALK, ACCESSIBLE RAMP, STORM DRAIN INLET, TRACK TRENCH DRAIN, TRUNCATED DOMES, FIRE HYDRANT, ELECTROLUER, SANITARY SEWER, STORM DRAIN, WATER LINE, DIRECTION & RATE OF SLOPE, SWALE, FENCE, EDGE OF PAVEMENT, CONTOUR.

ABBREVIATIONS

Table with columns: ABBREVIATION, DESCRIPTION. Includes items like AB AGGREGATE BASE, AC ASPHALT CONCRETE, ACC ACCESSIBLE, ARCH ARCHITECTURAL, BOS BOTTOM OF STEP ELEVATION, BS BOTTOM OF STEP ELEVATION, BSM BIORETENTION SOIL MIX, BTM BOTTOM OF SLOPE, BW BACK OF WALK ELEVATION, BOW BOTTOM OF WALL ELEVATIONS, CB CATCH BASIN, CI CAST IRON, CL CENTER LINE, C&G CURB AND GUTTER, DIA DIAMETER, DS DOWNSPOUT, DW DOMESTIC WATER, DMY DRIVEWAY, E ELECTRICAL, (E) EXISTING, EB ELECTRICAL BOX, EP EDGE OF PAVEMENT, ETW EDGE OF TRAVELED WAY, EV ELECTRICAL VAULT, FNC FENCE, FH FIRE HYDRANT, FF FINISHED FLOOR ELEVATION, FL FLOW LINE, FOC FACE OF CURB, G GAS, GB GRADE BREAK, GND GROUND ELEVATION, HC ACCESSIBLE, HORIZ HORIZONTAL, JP JOINT POLE, ICV IRRIGATION CONTROL VALVE, INV INVERT, LF LINEAR FEET, LS LANDSCAPE, MAX MAXIMUM, (ME) MATCH EXISTING ELEVATION, MH MANHOLE, MIN MINIMUM, ML MONUMENT LINE.

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REVISIONS table with columns: NO., DATE, DESCRIPTION. Row 1: 1, 03/19/2026, ADDENDUM 1 - DG PATH

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

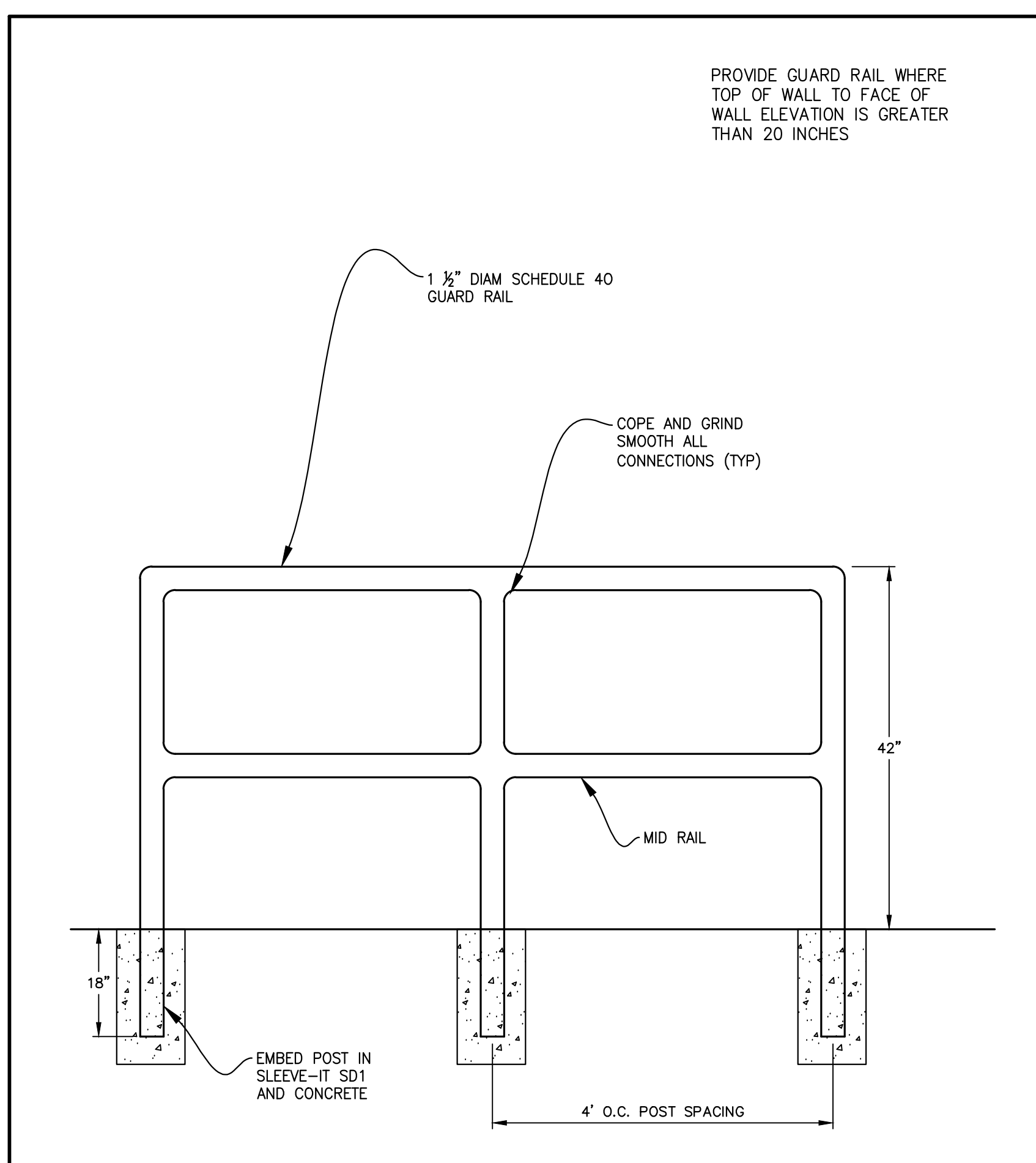
PROJECT OWNER & TITLE
Soquel Union Elementary School District
620 Monterey Avenue
Capitola, CA 95010

New Brighton Middle School - Natural Field to Artificial Turf
250 Washburn Avenue, Capitola, CA 95010

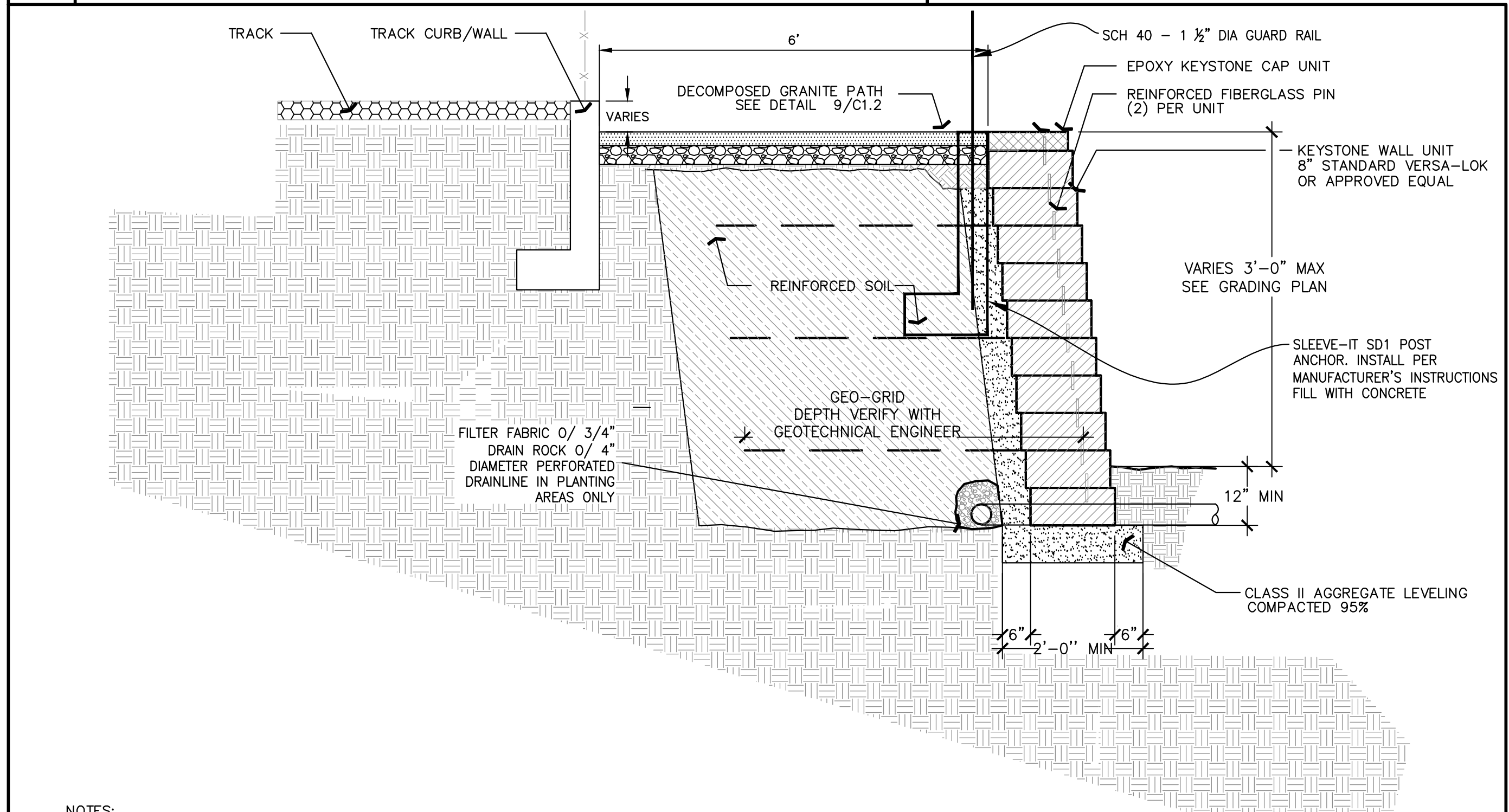
NOTES & LEGEND

DRAWN BY: STAFF JOB NUMBER: 21027.01 (3) PROJECT NO. 3091

SHEET NO. C1.1
DATE: APRIL 8, 2025



1 GUARD RAIL



2 KEYSTONE WALL NOT TO SCALE

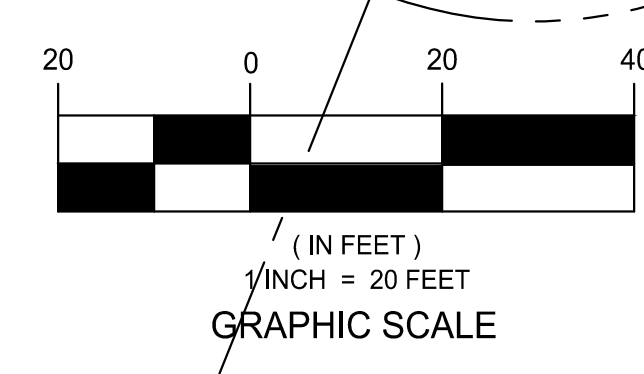


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MONTEREY AVE

(E) DISTRICT OFFICE

(E) DISTRICT OFFICE

SEE ENLARGED VIEW
THIS SHEET

(E) CLASSROOMS - 10 WING

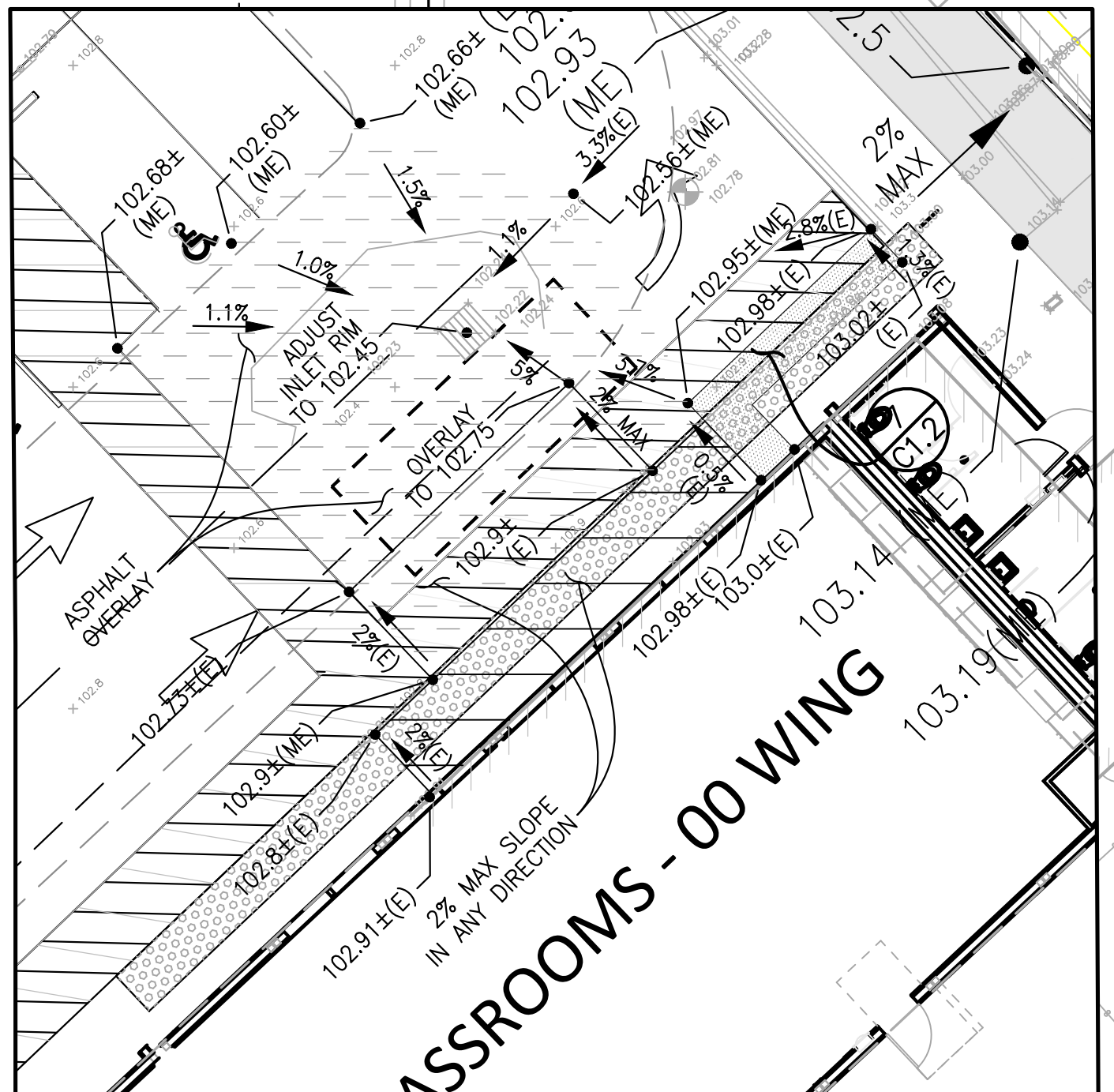
(E) CLASSROOMS - 20 WING

(E) CLASSROOMS - 30 WING

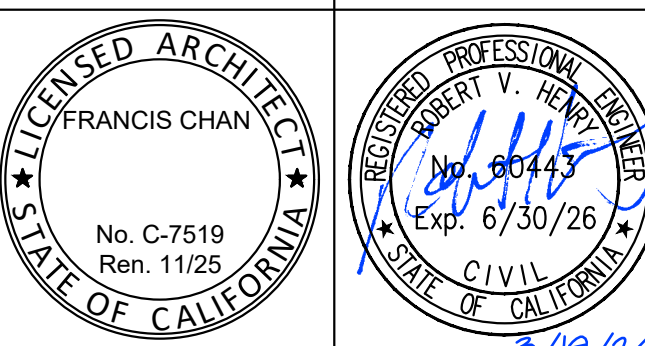
(E) BUILDING
RMS 85 & 86

(E) CLASSROOMS
40 & 50 WING

CLASSROOMS - 00 WING



ARCHITECT STAMP CONSULTANT STAMP



REVISIONS		
NO.	DATE	DESCRIPTION
1	03/19/2026	ADDENDUM 1 - DG PATH

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Capitola, CA 95010

GRADING & DRAINAGE PLAN

DRAWN BY: STAFF JOB NUMBER: 21027.01
SHEET NO. 031 PROJECT NO. 3091

C4.1

DATE: APRIL 8, 2025