ADDENDUM

BC Security Gates and Bollards
Bakersfield College
Kern Community College District
550-0046

Date: **September 11, 2025**

To: **All Bidders**

Subject: **Addendum #2**

Total Addendum includes:
[13] 8.5x11

NOTICE TO CONTRACTORS FIGURING THIS WORK

You are hereby notified of the following changes in the Plans and Specifications, which shall take precedence over anything to the contrary therein.

Item # **Description**

2.1 **Refer to Architectural Sheet A8.00 – Details 21 ad 41 Gate Details:**

2.1.1 Contractor to provide and install (1) One **"KNOXBOX 3200"** at all double gate locations. Install per manufacturer's recommendations. Install surface mounted on 6x6 gate posts for access by the City of Bakersfield Fire Department.

2.1.2 Contractor to provide and install **2" HEAVY DUTY REFLECTIVE TAPE** to all front and back faces of gate framing. Color to be red and white.

2.1.3 Gates and hardware to be painted. Refer to Drawing Detail 24/A8.00 for hardware. See attached Specifications 099000. Do not paint the hinges.

2.2 **Refer to Project Manual Specifications:**

2.2.1 Add Specification Section 099000 Painting.

2.3 **Refer to Architectural Sheet A8.00, Detail 24- Gate Hardware:**

2.3.1 Refer to Keynote A "MASTERLOCK- 6271KA PROSERIES HIDDEN SHACKLE PADLOCK" – (2) TWO locks to be provided by contractor for every pair of gates. All locks to be keyed alike. Locks to be handed to Owner.

2.4 **Refer to Architectural Sheet- Gate Details:**

2.4.1 Add the following Structural General Notes- See attached Drawing **SK-1**.

2.5 **Refer to Architectural Sheet A1.04- 6. PARTIAL SITE PLAN:**

2.5.1 See attached Drawings **SK-2** for information on concrete median extension at new gate locations.

2.6 **Refer to Architectural Sheet A8.00- DETAIL 55:**

2.6.1 Change model number for 36" diameter Sphere Bollard to "**TF6101**". Install per Manufacturer's recommendation for Option B- 4"x14" Core.

End of addendum

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PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 0 & 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes, but is not limited to, surface preparation and field painting of the following:

1. Exposed exterior items and surfaces.
2. Surface preparation, priming, and finish coats specified in this Section are in addition to shop priming and surface treatment specified in other Sections.

B. Paint exposed surfaces, except where the paint schedules indicate that a surface or material is not to be painted or is to remain natural. If the schedules do not indicate color or finish, the Architect will select from standard colors and finishes available.

C. Do not paint prefinished items, concealed surfaces, finished metal surfaces, operating parts, and labels.

1.3 DEFINITIONS

A. General: Standard coating terms defined in ASTM D 16 apply to this Section.

1. Flat refers to a lusterless or matte finish with a gloss range below 15 when measured at an 85-degree meter.
2. Eggshell refers to low-sheen finish with a gloss range between 5 and 20 when measured at a 60-degree meter.
3. Satin refers to low-sheen finish with a gloss range between 15 and 35 when measured at a 60-degree meter.
4. Semigloss refers to medium-sheen finish with a gloss range between 30 and 65 when measured at a 60-degree meter.
5. Full gloss refers to high-sheen finish with a gloss range more than 65 when measured at a 60-degree meter.

1.4 SUBMITTALS

A. Product Data: For each paint system specified. Include block fillers and primers.

1. Material List: Provide an inclusive list of required coating materials. Indicate each material and cross-reference specific coating, finish system, and application. Identify each material by manufacturer's catalog number and general classification.
2. Certification by the manufacturer that products supplied comply with federal, state and local regulations controlling use of volatile organic compounds (VOCs).

B. Samples for Initial Selection: Manufacturer's color charts showing the full range of colors available for each type of finish-coat material indicated.

C. Project Closeout Requirement:

1. Extra materials.

1.5 QUALITY ASSURANCE

A. Source Limitations: Obtain block fillers, primers, and undercoat materials for each coating system from the same manufacturer as the finish coats.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to the Project Site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label, and the following information:

1. Product name or title of material.
2. Product description (generic classification or binder type).
3. Manufacturer's stock number and date of manufacture.
4. Contents by volume, for pigment and vehicle constituents.
5. Thinning instructions.
6. Application instructions.
7. Color name and number.
8. VOC content.

B. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45 deg F (7 deg C). Maintain containers used in storage in a clean condition, free of foreign materials and residue.

1. Protect from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily. Take necessary measures to ensure that workers and work areas are protected from fire and health hazards resulting from handling, mixing, and application.

1.7 PROJECT CONDITIONS

A. Apply water-based paints only when the temperature of surfaces to be painted and surrounding air temperatures are between 50 and 90 deg F (10 and 32 deg C).

B. Apply solvent-thinned paints only when the temperature of surfaces to be painted and surrounding air temperatures are between 45 and 95 deg F (7.2 and 35 deg C).

C. Do not apply paint in snow, rain, fog, or mist; or when the relative humidity exceeds 85 percent; or at temperatures less than 5 deg F (3 deg C) above the dew point; or to damp or wet surfaces.

1. Painting may continue during inclement weather if surfaces and areas to be painted are enclosed and heated within temperature limits specified by manufacturer during application and drying periods.

1.8 EXTRA MATERIALS

A. Furnish extra paint materials from the same production run as the materials applied in the quantities described below. Package paint materials in unopened, factory-sealed containers for storage and identify with labels describing contents. Deliver extra materials to the Owner.

1. Quantity: Furnish the Owner with extra paint materials in the quantities indicated below:

    a. Exterior: Three (3) gallons unopened of each color applied.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Available Products: Where Specifications name a product, or refer to a product indicated on Drawings, and include a list of manufacturer(s), provide the specified or indicated product or a comparable product.

B. Manufacturers Names: The following manufacturers are referred to in the paint schedules by use of shortened versions of their names, which are shown in parentheses:

1. Sherwin-Williams Co. (S-W).
2. Trinity Coating Co.
3. Gemini Coating Co.

2.2 PAINT MATERIALS, GENERAL

A. Material Compatibility: Provide block fillers, primers, undercoats, and finish-coat materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.

B. Material Quality: Provide manufacturer's best-quality paint material of the various coating types specified. Paint-material containers not displaying manufacturer's product identification will not be acceptable.

1. Proprietary Names: Use of manufacturer's proprietary product names to designate colors or materials is not intended to imply that products named are required to be used to the exclusion of equivalent products of other manufacturers. Furnish manufacturer's material data and certificates of performance for proposed substitutions.

C. Colors: Provide color selections made by the Architect.

1. Allow for colors as follows:

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with the Applicator present, under which painting will be performed for compliance with paint application requirements.

1. Do not begin to apply paint until unsatisfactory conditions have been corrected and surfaces receiving paint are thoroughly dry.
2. Start of painting will be construed as the Applicator's acceptance of surfaces and conditions within a particular area.

B. Coordination of Work: Review other Sections in which primers are provided to ensure compatibility of the total system for various substrates. On request, furnish information on characteristics of finish materials to ensure use of compatible primers.

1. Notify the Architect about anticipated problems using the materials specified over substrates primed by others.

3.2 PREPARATION

A. Cleaning: Before applying paint or other surface treatments, clean the substrates of substances that could impair the bond of the various coatings. Remove oil and grease before cleaning.

1. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.

B. Surface Preparation: Clean and prepare surfaces to be painted according to manufacturer's written instructions for each particular substrate condition and as specified.

1. Provide barrier coats over incompatible primers or remove and reprime.
2. Cementitious Materials: Prepare concrete, concrete masonry block, cement plaster, and mineral-fiber-reinforced cement panel surfaces to be painted. Remove efflorescence, chalk, dust, dirt, grease, oils, and release agents. Roughen as required to remove glaze. If hardeners or sealers have been used to improve curing, use mechanical methods of surface preparation.

    a. Use abrasive blast-cleaning methods if recommended by paint manufacturer.
    b. Determine alkalinity and moisture content of surfaces by performing appropriate tests. If surfaces are sufficiently alkaline to cause the finish paint to blister and burn, correct this condition before application. Do not paint surfaces where moisture content exceeds that permitted in manufacturer's written instructions.
    c. Clean concrete floors to be painted with a 5 percent solution of muriatic acid or other etching cleaner. Flush the floor with clean water to remove acid, neutralize with ammonia, rinse, allow to dry, and vacuum before painting.

3. Wood: Clean surfaces of dirt, oil, and other foreign substances with scrapers, mineral spirits, and sandpaper, as required. Sand surfaces exposed to view smooth and dust off.

    a. Scrape and clean small, dry, seasoned knots, and apply a thin coat of white shellac or other recommended knot sealer before applying primer. After priming, fill holes and imperfections in finish surfaces with putty or plastic wood filler. Sand smooth when dried.
    b. Prime, stain, or seal wood to be painted immediately on delivery. Prime edges, ends, faces, undersides, and backsides of wood, including cabinets, counters, cases, and paneling.
    c. When transparent finish is required, backprime with spar varnish.
    d. Backprime paneling on interior partitions where masonry, plaster, or other wet wall construction occurs on backside.
    e. Seal tops, bottoms, and cutouts of unprimed wood doors with a heavy coat of varnish or sealer immediately on delivery.

4. Ferrous Metals: Clean ungalvanized ferrous-metal surfaces that have not been shop coated; remove oil, grease, dirt, loose mill scale, and other foreign substances. Use solvent or mechanical cleaning methods that comply with the Steel Structures Painting Council's (SSPC) recommendations.

a. Treat bare and sandblasted or pickled clean metal with a metal treatment wash coat before priming.
b. Touch up bare areas and shop-applied prime coats that have been damaged. Wire-brush, clean with solvents recommended by paint manufacturer, and touch up with the same primer as the shop coat.
c. Apply stripe coat (second coat of primer) on edges, bolts, angles, and welds.

5. Galvanized Surfaces: Clean galvanized surfaces with nonpetroleum-based solvents so surface is free of oil and surface contaminants. Remove pretreatment from galvanized sheet metal fabricated from coil stock by mechanical methods.

A. Materials Preparation: Mix and prepare paint materials according to manufacturer's written instructions.

1. Maintain containers used in mixing and applying paint in a clean condition, free of foreign materials and residue.
2. Stir material before application to produce a mixture of uniform density. Stir as required during application. Do not stir surface film into material. If necessary, remove surface film and strain material before using.
3. Use only thinners approved by paint manufacturer and only within recommended limits.

B. Tinting: Tint each undercoat a lighter shade to simplify identification of each coat when multiple coats of the same material are applied. Tint undercoats to match the color of the finish coat, but provide sufficient differences in shade of undercoats to distinguish each separate coat.

3.3 APPLICATION

A. General: Apply paint according to manufacturer's written instructions. Use applicators and techniques best suited for substrate and type of material being applied.

1. Paint colors, surface treatments, and finishes are indicated in the schedules.
2. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of a durable paint film.
3. Provide finish coats that are compatible with primers used.
4. The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, convector covers, covers for finned-tube radiation, grilles, and similar components are in place. Extend coatings in these areas, as required, to maintain the system integrity and provide desired protection.
5. Paint surfaces behind movable equipment and furniture the same as similar exposed surfaces. Before the final installation of equipment, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
6. Paint interior surfaces of ducts with a flat, nonspecular black paint where visible through registers or grilles.
7. Paint back sides of access panels and removable or hinged covers to match exposed surfaces.
8. Finish exterior doors on tops, bottoms, and side edges the same as exterior faces.
9. Finish interior of wall and base cabinets and similar field-finished casework to match existing.
10. Sand lightly between each succeeding enamel or varnish coat.

B. Scheduling Painting: Apply first coat to surfaces that have been cleaned, pretreated, or otherwise prepared for painting as soon as practicable after preparation and before subsequent surface deterioration.

1. The number of coats and the film thickness required are the same regardless of application method. Do not apply succeeding coats until the previous coat has cured as recommended

by the manufacturer. If sanding is required to produce a smooth, even surface according to manufacturer's written instructions, sand between applications.

2. Omit primer on metal surfaces that have been shop primed and touchup painted.
3. If undercoats, stains, or other conditions show through final coat of paint, apply additional coats until paint film is of uniform finish, color, and appearance. Give special attention to ensure edges, corners, crevices, welds, and exposed fasteners receive a dry film thickness equivalent to that of flat surfaces.
4. Allow sufficient time between successive coats to permit proper drying. Do not recoat surfaces until paint has dried to where it feels firm, does not deform or feel sticky under moderate thumb pressure, and where application of another coat of paint does not cause the undercoat to lift or lose adhesion.

C. Application Procedures: Apply paints and coatings by brush, roller, spray, or other applicators according to manufacturer's written instructions.

1. Brushes: Use brushes best suited for the type of material applied. Use brush of appropriate size for the surface or item being painted.
2. Rollers: Use rollers of carpet, velvet back, or high-pile sheep's wool as recommended by the manufacturer for the material and texture required, except on smooth metal surfaces.
3. Spray Equipment: Use airless spray equipment with orifice size as recommended by the manufacturer for the material and texture required. Use spray equipment on smooth metal surfaces.

D. Minimum Coating Thickness: Apply paint materials no thinner than manufacturer's recommended spreading rate. Provide the total dry film thickness of the entire system as recommended by the manufacturer.

E. Block Fillers: Apply block fillers to concrete masonry block at a rate to ensure complete coverage with pores filled.

F. Prime Coats: Before applying finish coats, apply a prime coat of material, as recommended by the manufacturer, to material that is required to be painted or finished and that has not been prime coated by others. Recoat primed and sealed surfaces where evidence of suction spots or unsealed areas in first coat appears, to ensure a finish coat with no burn through or other defects due to insufficient sealing.

G. Pigmented (Opaque) Finishes: Completely cover surfaces as necessary to provide a smooth, opaque surface of uniform finish, color, appearance, and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections will not be acceptable.

H. Transparent (Clear) Finishes: Use multiple coats to produce a glass-smooth surface film of even luster. Provide a finish free of laps, runs, cloudiness, color irregularity, brush marks, orange peel, nail holes, or other surface imperfections. Provide stain coat on all transparent finishes.

1. Provide satin finish for final coats, unless noted otherwise.

I. Stipple Enamel Finish: Roll and redistribute paint to an even and fine texture. Leave no evidence of rolling, such as laps, irregularity in texture, skid marks, or other surface imperfections.

J. Completed Work: Match approved samples for color, texture, and coverage. Remove, refinish, or repaint work not complying with requirements.

3.4 CLEANING

A. Cleanup: At the end of each workday, remove empty cans, rags, rubbish, and other discarded paint materials from the site.

1. After completing painting, clean glass and paint-spattered surfaces. Remove spattered paint by washing and scraping. Be careful not to scratch or damage adjacent finished surfaces.

3.5 PROTECTION

A. Protect work of other trades, whether being painted or not, against damage by painting. Correct damage by cleaning, repairing or replacing, and repainting, as approved by Architect.

B. Provide "Wet Paint" signs to protect newly painted finishes. Remove temporary protective wrappings provided by others to protect their work after completing painting operations.

1. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces. Comply with procedures specified in PDCA P1.

3.6 SHEEN SCHEDULE - OPAQUE FINISH

ITEM	SHEEN
Exterior:	
Gate Framing	Semi-gloss
Concrete Spheres	Semi-gloss

3.7 EXTERIOR PAINT SCHEDULE

A. Ferrous Metal: Provide the following finish systems over exterior ferrous metal. Primer is not required on shop-primed items.

1. Semi-Gloss, Acrylic-Enamel Finish: 2 finish coats over a rust-inhibitive primer.

a. Primer: Rust-inhibitive metal primer applied at spreading rate recommended by the manufacturer to achieve a total dry film thickness of not less than 1.3 mils (0.033 mm).

1) S-W: Pro Industrial ProCryl Primer B66 Series.

b. First and Second Coats: Semigloss, exterior, acrylic-latex enamel applied at spreading rate recommended by the manufacturer to achieve a total dry film thickness of not less than 2.6 mils (0.066 mm).

1) S-W: Pro Industrial Acrolon 100 HS.

B. Concrete, Stucco, and Masonry (Other than integral color Concrete Masonry Units): Provide the following finish systems over exterior concrete, stucco, and brick masonry surfaces:

1. Eggshell Acrylic Finish: 2 finish coats over a primer.

c. Primer: Alkali-resistant, exterior, acrylic-latex primer applied at spreading rate

recommended by the manufacturer to achieve a total dry film thickness of not less than 1.3 mils (0.033 mm).

2) S-W: Loxon Concrete & Masonry Primer/Sealer LX02W0050.

d. First and Second Coats: Eggshell, exterior, acrylic-latex paint applied at spreading rate recommended by the manufacturer to achieve a total dry film thickness of not less than 2.3 mils (0.058 mm).

1) S-W: Por Industrial Pre-Catalyzed Urethane B65-1100 Series.

END OF SECTION 099000

BC Security Gates and Bollards
Addendum 02 - Structural General Notes for Steel Gates

DRAWING
SK-1

GENERAL NOTES

1. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE ARCHITECT OR ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY.

2. NOTES & DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.

3. ALL MATERIAL & WORKMANSHIP SHALL CONFORM TO THE CALIFORNIA BUILDING CODE, 2022 EDITION AND C.C.R. TITLE 24.

4. THE DESIGN, ADEQUACY & SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORT FORMS ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND HAS NOT BEEN CONSIDERED BY THE STRUCTURAL ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION TO INSURE THE STABILITY OF THE STRUCTURE PRIOR TO THE APPLICATION OF FINISH MATERIALS. HE SHALL PROVIDE THE NECESSARY BRACING TO PROVIDE STABILITY PRIOR TO THE APPLICATION OF THE AFOREMENTIONED MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH OSHA REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, THE ADDITION OF ANCHOR BOLTS AND/OR TEMPORARY BRACING TO INSURE COLUMN STABILITY DURING CONSTRUCTION. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

5. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR SITE SAFETY. ANY FABRICATOR AND ERECTOR SHALL REVIEW THE CONTRACT DOCUMENTS AND IF THE STRUCTURE, AS SHOWN ON THOSE DOCUMENTS, IS IN CONFLICT WITH THE REQUIREMENTS OF ANY SAFETY REGULATION, THE FABRICATOR SHALL NOTIFY THE STRUCTURAL ENGINEER (STB) PRIOR TO COMMENCING SHOP DRAWING PRODUCTION. IF THE FABRICATOR AND/OR ERECTOR FAIL TO NOTIFY STB, AS STATED ABOVE, THEY SHALL BECOME RESPONSIBLE FOR ALL COSTS FOR CORRECTING SUCH CONFLICTS WITH THE REQUIREMENTS OF ANY AND ALL SAFETY REGULATIONS.

9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE EXECUTION OF THIS WORK.

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REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE GRADE 60 EXCEPT FOR #4 & SMALLER WHICH SHALL BE GRADE 40 IN ACCORDANCE WITH A.S.T.M. A 615 UNLESS OTHERWISE NOTED.

2. ALL WELDED REINFORCING STEEL SHALL BE A.S.T.M. A706. LOW HYDROGEN E70XX OR E80XX WELDING RODS SHALL BE USED FOR ALL WELDING OF REINFORCING BARS. ALL WELDING OF REINFORCING STEEL SHALL BE DONE BY AN APPROVED WELDER.

3. REINFORCING STEEL SPECIFICALLY NOTED AS A706 THAT IS NOT WELDED MAY BE A615 GRADE 60 IF (1) THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED THE SPECIFIED YIELD STRENGTH BY MORE THAN 18000 PSI, AND (2) THE RATIO OF THE ACTUAL ULTIMATE TENSILE STRESS TO THE ACTUAL TENSILE YIELD STRENGTH IS NOT LESS THAN 1.25. MILL REPORTS AND AFFIDAVIT OF COMPLIANCE IS REQUIRED.

5. REINF. SHALL BE SPLICED ONLY AS SHOWN OR NOTED. SPLICES AT OTHER LOCATIONS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER. ALL VERTICAL WALL REINFORCEMENT SHALL BE CONTINUOUS BETWEEN SPLICE LOCATIONS SHOWN IN THE DETAILS. ALL VERTICAL WALL REINF. SHALL HAVE NO SPLICES EXCEPT AT THE FOUNDATIONS, UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER.

8. ALL REINFORCING, ANCHOR BOLTS, AND OTHER INSERTS SHALL BE SECURED IN PLACE PRIOR TO PLACING CONCRETE OR GROUTING MASONRY.

9. PROVIDE THE FOLLOWING MINIMUM PROTECTIVE COVERING OF CONCRETE:

BELOW GRADE (UNFORMED)	3"	CLEAR
BELOW GRADE (FORMED)	2"	CLEAR

10. #5 OR LARGER REINF. BARS SHALL NOT BE RE-BENT WITHOUT APPROVAL OF STRUCTURAL ENGINEER.

11. REINFORCING STEEL BAR SIZES INDICATED ON THESE DRAWINGS ARE BASED UPON INCH-POUND BAR SIZE DESIGNATION. FOR SOFT METRIC BAR SIZES REFER TO THE CONVERSION CHART BELOW

CONVERSION CHART									
INCH-POUND BAR SIZE DESIGNATION	#3	#4	#5	#6	#7	#8	#9	#10	#11
SOFT METRIC BAR SIZE DESIGNATION	#10	#13	#16	#19	#22	#25	#29	#32	#36

BC Security Gates and Bollards
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STRUCTURAL STEEL

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION, WHICH INCLUDES THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, THE CODE OF STANDARD PRACTICE AND THE AWS STRUCTURAL WELDING CODE.

2. UNLESS NOTED OTHERWISE ON PLANS, STRUCTURAL SHAPES SHALL BE:

STRUCTURAL SHAPES		
SECTION TYPE	SHAPE	ASTM DESIGNATION
PLATES/BARS	PL	A36 MINIMUM
RECTANGULAR (AND SQUARE) HOLLOW STRUCTURAL SECTIONS	HSS, TS	A500 GRADE B (Fy=46 ksi)
ROUND HOLLOW STRUCTURAL SECTIONS	HSS t<5/8"	A500 GRADE B (Fy=42 ksi)
ROUND HOLLOW STRUCTURAL SECTIONS	HSS t<5/8"	A53 GRADE B
RODS	DIA.	A36

3. ALL BOLTS FOR STEEL MEMBERS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED.

7. ALL WELDING SHALL BE ACCOMPLISHED USING THE SHIELDED METAL ARC WELDING PROCESS (SMAW) WITH E70XX ELECTRODES OR THE SUBMERGED ARC WELDING PROCESS (E7X) WITH E70-EXXX ELECTRODES OR THE FLUX-CORED ARC WELDING PROCESS (FCAW). E70T-4 ELECTRODES SHALL NOT BE USED. FCAW E70T -2, -3, -10, -13, -14, -GS ELECTRODES SHALL NOT BE USED. LOW HYDROGEN ELECTRODES SHALL BE USED AND KEPT DRY, AND PARENT METALS SHALL BE PRE-HEATED IN ACCORDANCE WITH AWS STANDARDS. WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER. WELDERS SHALL HAVE LIGHT GAUGE STEEL CERTIFICATION WHEN WELDING LIGHT GAUGE STEEL.

16. ALL SCREWS, LAGS & BOLTS THROUGH STRUCTURAL STEEL REQUIRES PRE-DRILLED HOLES.

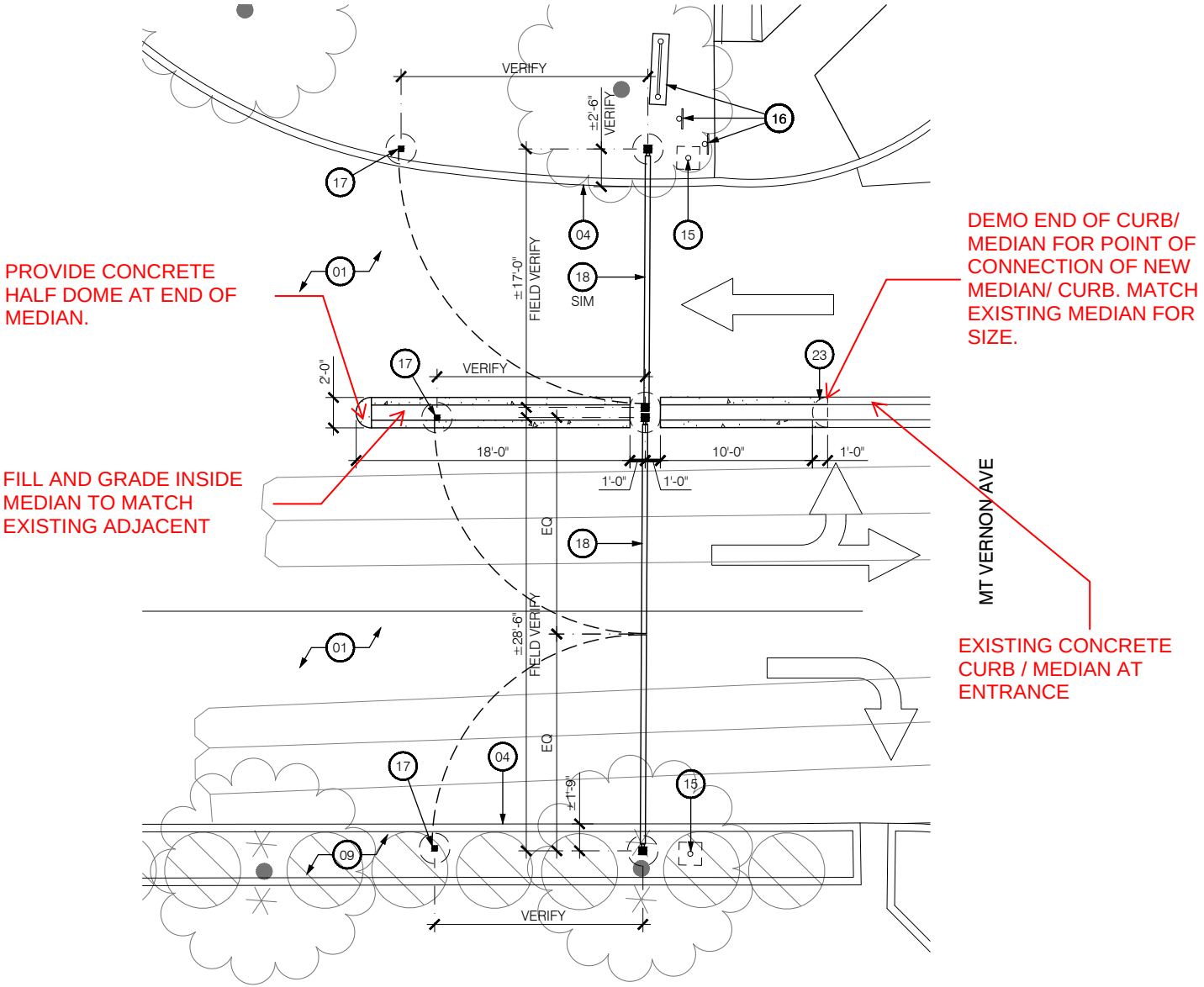
17. NO PAINT OR PRIMER OF STEEL IS REQUIRED WHEN:
    A. STEEL IS ENCASED IN A WATER TIGHT BUILDING.
    B. STEEL IS EMBEDDED IN CONCRETE OR GROUTED MASONRY.
    C. STEEL IS TO RECEIVE SPRAYED-ON FIREPROOFING.
    D. STEEL IS GALVANIZED.

18. PRIMING AND PAINTING (PER ARCHITECTURAL) OF STEEL IS REQUIRED WHEN:
    A. STEEL IS EXPOSED TO THE WEATHER.
    B. STEEL IS ARCHITECTURALLY EXPOSED.

19. STEEL SHALL BE GALVANIZED WHEN NOTED IN ARCHITECTURAL, STRUCTURAL DRAWINGS AND DETAILS.

BC Security Gates and Bollards
Addendum 02 - Structural General Notes for Steel Gates

DRAWING
SK-2



6. Partial Site Plan

Scale: 1/8" = 1'-0"