Santa Maria-Bonita School District
CULTIVATING BRIGHT FUTURES

ADDENDUM NO. 4

Bid No. 5384
BATTLES ELEMENTARY SCHOOL NEW TK-K BUILDING AND SITE UPGRADES

Date of Addendum:	April 21, 2025
Bid Opening Date Remains:	April 30, 2025 @ 2:00 p.m.

Plans, Specifications, and Drawings- Changes as follows (in RED):

The attached DLR Group Architect Addendum No. 2 is hereby incorporated into the Bid Documents.

ALL OTHER REQUIREMENTS, TERMS, AND CONDITIONS REMAIN THE SAME

DLR Group inc.
a California corporation

700 South Flower Street, 22nd Floor
Los Angeles, CA 90017

ADDENDUM 02

Pre-Bid Revision for Contractors' Incorporation into:

Battles ES – TK/K Building and Site Upgrades
Santa Maria-Bonita School District

DSA Application No:	03-124614
File No.	42-48
DLR Group Project No.:	75-24119-00

Prepared By: DLR Group
700 South Flower Street, 22nd Floor
Los Angeles, CA 90017
(213) 800-9400

NOTICE TO BIDDERS:

The following changes, deletions, additions and/or alterations in, on and to the drawings shall apply to proposals made for and to the execution of the various parts of the work affected thereby.
Careful note of this addendum shall be taken by all parties of interest so that the proper allowance may be made in all computations, estimates, and contracts, and all trades affected shall be fully advised in the performance of the work which will be required of them.

The following revisions are being made to the Bidding Documents to the above referenced project:

A. PROJECT MANUAL - Narrative of Changes

1. SECTION 00 01 10 – TABLE OF CONTENTS

A. Noted section 00 01 10 was revised.
B. ADDED new specification section 07 26 00 under Division 07 – Thermal and Moisture Protection.
C. Noted section 09 05 61 was revised.

2. SECTION 07 26 00 – UNDER-SLAB VAPOR RETARDER

A. ADDED new specification section in its entirety.

3. SECTION 09 05 61 – COMMON WORK RESULTS FOR FLOORING PREPARATION

B. Revised specification to indicate Mohawk requirements in lieu of Tandus Power Bond Carpet.

B. DRAWINGS – Narrative of Changes

1. SHEET C0.1 – GENERAL NOTES

A. Revised erosion control note 17.

2. SHEET C1.0 – DEMOLITION PLAN

A. *Revised demolition notes 20 and 33.*
B. *Revised protection note 15.*
C. *Added demolition note 33 to plans.*

3. SHEET C4.0 – GRADING AND DRAINAGE PLAN
   A. *Added general note regarding construction of storm drain line.*
   B. *Revised drainage note 2.*

4. SHEET C4.1 – GRADING AND DRAINAGE PLAN
   A. *Added general note regarding construction of storm drain line.*
   B. *Revised drainage note 2.*

5. SHEET C5.0 – UTILITY PLAN
   A. *Revised domestic water notes W3 and W6.*

6. SHEET C6.0 – DETAILS
   A. *Revised detail 10.*

7. SHEET C6.1 – DETAILS
   A. *Revised detail 9.*

8. SHEET AS1.1 – ENLARGED SITE PLANS
   A. *Revised 4/AS1.1: Added wall type and dimensions to Trash Area. Added note indicated wall to be 8'-0" high around trash area.*

9. SHEET A1.1 – FLOOR PLAN – LEVEL 1
   A. *Colored Track updated with spec section, color, and dimensions.*
   B. *Revised GENERAL ARCHITECTURAL NOTES, note 8 to omit fire-treated verbiage.*

10. SHEET A3.1 – REFLECTED CEILING PLAN – LEVEL 1
    A. *Updated illuminated exit sign layout. Revised CBC reference in Ceiling Plan Legend.*

11. SHEET A12.10 – FINISH SCHEDULES
    A. *CGD-1 Notes updated.*
    B. *HW-06 Notes updated.*
    C. *'Room Finish Schedule Specific Notes' revised to 'Room Finish Schedule **Typical** Notes'. Notes revised.*

C. GENERAL CLARIFICATIONS

1. ASK-001 – SUMMER 2025 WORK – EXHIBIT IS HEREBY ADDED TO THE CONSTRUCTION DOCUMENTS; Parking lot and utility scope work indicated in ASK-001A through ASK-001G to be completed during Summer 2025 for fully functional and operational school by August 2025. Contractor to schedule and coordinate accordingly.
   A. *SHEET REVISED – ASK-001F to indicate Storm Drain scope.*
   B. *NEW SHEET ADDED – ASK-001G to indicate updated overlay of Summer 2025 scope to include Storm Drain scope.*

INCLUDED ATTACHMENTS:

Drawings: C0.1, C1.0, C4.0, C4.1, C5.0, C6.0, C6.1, AS1.1, A1.1, A3.1, A12.0
Specification Sections: 00 01 10, 07 26 00, 09 05 61
Sketches: ASK-001 (A through G)

**** END OF ADDENDUM 02 ****

SECTION 00 01 10
TABLE OF CONTENTS

PROCUREMENT AND CONTRACTING REQUIREMENTS

SPECIFICATIONS

END OF SECTION

SECTION 07 26 00
UNDER-SLAB VAPOR RETARDER

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. Sheet vapor retarder under concrete slabs on grade.

1.02 RELATED REQUIREMENTS

A. Section 03 10 00 - Concrete Forming and Accessories: Forms and accessories for formwork.

B. Section 03 20 00 - Concrete Reinforcing: Coordination of placement of reinforcement with vapor retarder/barrier.

C. Section 03 30 00 - Cast-in-Place Concrete: Preparation of subgrade, granular fill, placement of concrete.

D. Section 31 22 00 - Grading: Preparation of building pad and base placed beneath vapor barrier.

1.03 REFERENCE STANDARDS

A. ACI 302.1R - Guide to Concrete Floor and Slab Construction.

B. ACI 302.2R - Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials.

C. ASTM D1709 - Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method.

D. ASTM E1643 - Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs.

E. ASTM E1745 - Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs.

F. ASTM E96/E96M - Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide manufacturers product data identifying specific product to be utilized.

C. Shop Drawings: Indicate the following:

1. Seaming Layout
2. Penetration and termination details.

D. Samples: Submit six material samples, 6 x 6 inch in size, illustrating actual materials to be installed.

E. Specimen Warranty.

F. Certificate: Certify that products of this section meet or exceed specified requirements.

G. Test Reports: Indicate compliance with requirements listed in this section.

1. Independent laboratory test results showing compliance with ASTM and ACI Standards.

H. Manufacturer's Installation Instructions: Indicate installation procedures and interface required with adjacent construction.

I. Manufacturer's Field Reports: Indicate Manufacturers review of field conditions at 50% installation and after installation of reinforcing, prior to placement of concrete..

J. Warranty: Submit manufacturer warranty and ensure that forms have been completed in District's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

A. Preinstallation Meeting: Convene a preinstallation meeting 2 weeks before start of installation of reinforced vapor retarders. Require attendance of parties directly affecting work of this section, including Manufacturer's Representative, Contractor, Architect, and installer. Review installation, protection, and coordination with other work.

B. Coordination: Coordinate installation timing and sequence to maintain required moisture content in prepared subgrade.

C. Copies of Documents at Project Site: Maintain at the project site a copy of each referenced document that prescribes execution requirements.

PART 2 - PRODUCTS

2.01 **MANUFACTURERS**

A. Manufacturers and Products:

1. Fortifiber Building Products Systems; Moistop Ultra 15, 15 mils thick (0.010 max. permeance), Class A, unreinforced polyolefin: www.fortifiber.com.
2. ISI Building Products; Viper VaporCheck II 15-mil (Class A): www.isibp.com/#sle.
3. Raven Industries; VaporBlock VB15, 15 mils thick (0.01 perms), Class A, unreinforced polyolefin: ravenefd.com,
4. Reef Industries, Inc.; Vaporguard, 15 mil (E-96 0.000 perms), Class B: www.reefindustries.com
5. Stego Industries LLC; Stego Wrap Vapor Barrier, 15 mils: www.stegoindustries.com.
6. W.R. Meadows; Perminator, 15 mils thick (0.0063 perms, puncture resistant) Class A: www.wrmeadows.com..
7. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 **PERFORMANCE REQUIREMENTS**

A. Comply with ACI 302.1R and ACI 302.2R.

B. Water Vapor Permeance: Not more than 0.010 perms, maximum.

1. Permeance as tested after conditioning (ASTM E1745).

C. Comply with ASTM E1745 Class A.

D. Puncture Resistance, ASTM D1709: 2,300 gms.

2.03 MATERIALS

A. Reinforced Vapor Barrier:

1. Minimum Thickness ACI 302.1R: 15 mil.

2. Material: Multi-ply laminate/extrusion of Polyolefin.

B. Sheet polyethylene membrane not acceptable.

2.04 ACCESSORIES

A. General: Ensure accessories are from same manufacturer as reinforced vapor retarders.

1. Vapor barrier manufacturer's recommended tape, adhesive, mastic, etc., for sealing seams and penetrations in vapor barrier.

B. Adhesive Mastic: Adhesive compatible with sheet retarder/barrier and substrate materials, water vapor transmission rate of 0.3 perms or lower per ASTM E96/E96M. Membrane manufacturer's recommended elastomeric sealant.

C. Adhesive Tape for Sheet Joint Sealing and Repair and Sealing of Miscellaneous Penetrations: Membrane manufacturer's recommended double sided tape with water vapor transmission rate of 0.03 perms or lower per ASTM E96/E96M.

1. Mastic Tape: Manufacturer's system tape.
2. Self-Adhesive Repair Tape: Manufacturer's system tape.

D. Pipe and Conduit Boot:

1. Manufacturers factory fabricated pipe boots.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine areas to receive reinforced vapor retarders. Notify Architect if areas are not acceptable. Do not begin installation until unacceptable conditions have been corrected.

B. Subbase: Per ACI 302.1R.

1. As indicated on Drawings and approved by the Geotechnical Engineer.
    a. Minimum 4 inch thick (or larger) base of 1/2 inch or larger clean aggregate, per CA Green Code 4.505.2.1 and CBC 1907.1A.

C. Preparation: Ensure that crushed rock or sand base is tamped or rolled and level.

D. Ensure subgrade beneath vapor retarder is smooth, level, and compacted with no sharp projections.

E. Beginning installation shall indicate acceptance of condtions.

3.02 UNDERSLAB VAPOR RETARDER / BARRIER INSTALLATION

A. Install vapor barrier in accordance with manufacturer's instructions and ASTM E1643.

B. Location: Provide vapor retarder/barrier under building slabs on grade to limits indicated on Drawings.

C. Installation: Place sheet over crushed rock, as detailed on Drawings, without damaging sheeting.

1. Unroll vapor barrier with the longest dimension parallel with the direction of the concrete placement.
    a. Install vapor retarders in largest practical widths.
2. Place sheets continuous between footings or foundation walls, without voids.

3. Lap vapor barrier over footings and/or seal to foundation walls.
4. Lap all joints 6 inches minimum. Seal seams as noted below.
5. Turn down sheeting 12 inches minimum along inside face of perimeter grade beams and/or continuous perimeter footings.
6. Fit sheeting tightly around column, pipe and conduit penetrations. Install standard pipe boot where possible, following manufacturer's instructions.
    a. No penetration of the vapor barrier is allowed except for reinforcing steel and permanent utilities.

D. Seam and Lap Sealing: With adhesive mastic and adhesive sealing tape, seal all seams, edges and penetrations of vapor retarder/barrier.
1. For adhesive mastic seal, apply adhesive to both surfaces, allow approximately 10 minutes to set up and then press together smoothly and evenly, without gaps or fishmouths, for full contact bond.
2. For adhesive tape seal, comply with manufacturer's instructions and recommendations.
3. Seal all penetrations with both adhesive sealing tape and adhesive mastic.
4. Seal sheets to concrete footing faces and penetrating components with adhesive mastic or double sided tape as recommended by membrane manufacturer.

E. Ensure there is no moisture entrapment by vapor retarder due to rainfall or ground water intrusion.

F. Immediately repair holes in vapor retarder with self-adhesive repair tape.

G. Remedial Work: Inspect sheeting installation prior to placing fill materials. Repair all apparent and suspected damaged areas.
1. Clean surface of sheeting.
2. Cut patch from new sheeting material, overlapping damaged area 6 inches minimum, and apply over damaged area sealing in place with adhesive and tape.

3.03 PROTECTION

A. Protect reinforced vapor retarders from damage during installation of reinforcing steel and utilities and during placement of concrete slab or granular materials.

B. Immediately repair damaged vapor retarder in accordance with manufacturer's instructions

END OF SECTION

SECTION 09 05 61
COMMON WORK RESULTS FOR FLOORING PREPARATION

PART 1 GENERAL

1.01 SECTION INCLUDES

A. This section applies to floors identified in Contract Documents that are receiving the following types of floor coverings:
   1. Resilient tile and sheet.
      a. Moisture vapor seal is required at all locations to receive resilient flooring regardless of moisture test.
   2. Broadloom carpet.
      a. Sealer is not needed under Tandus Power Bond Carpet.
   3. Carpet tile.
      a. Sealer is not needed under ~~Tandus Power Bond Carpet~~**Mohawk Group when installed per manufacturer instructions according to moisture content**.
      b. Moisture vapor seal is required at all locations to receive fluid-applied flooring regardless of moisture test.
   4. Thin-set ceramic tile and stone tile.
   5. Fluid-Applied flooring
      a. Moisture vapor seal is required at all locations to receive fluid-applied flooring regardless of moisture test.

B. Removal of existing floor coverings.

C. Preparation of new and existing concrete floor slabs for installation of floor coverings.

D. Testing of concrete floor slabs for moisture and alkalinity (pH).

E. Remediation of concrete floor slabs due to unsatisfactory moisture or alkalinity (pH) conditions.
   1. Contractor shall perform all specified remediation of concrete floor slabs. If such remediation is indicated by testing agency's report and is due to a condition not under Contractor's control or could not have been predicted by examination prior to entering into the contract, a contract modification will be issued.

F. Patching compound.

G. Remedial floor coatings.

H. Remedial floor sheet membrane.

I. Preparation of new and existing wood-based floors and subfloors for installation of new floor coverings.

1.02 RELATED REQUIREMENTS

A. Section 01 40 00 - Quality Requirements: Additional requirements relating to testing agencies and testing.

B. Section 01 74 19 - Construction Waste Management and Disposal: Handling of existing floor coverings removed.

C. Section 03 30 00 - Cast-in-Place Concrete: Moisture emission reducing curing and sealing compound for slabs to receive adhered flooring, to prevent moisture content-related flooring failures; to remain in place, not to be removed.

D. Section 03 30 00 - Cast-in-Place Concrete: Limitations on curing requirements for new concrete floor slabs.

1.03 REFERENCE STANDARDS

A. ASTM C109/C109M - Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 50 mm [2 in.] Cube Specimens); 2023.

B. ASTM C472 - Standard Test Methods for Physical Testing of Gypsum, Gypsum Plasters, and Gypsum Concrete; 2020.

C. ASTM D4259 - Standard Practice for Preparation of Concrete by Abrasion Prior to Coating Application; 2018.

D. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring; 2022.

E. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride; 2023.

F. ASTM F2170 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes; 2019a.

G. RFCI (RWP) - Recommended Work Practices for Removal of Resilient Floor Coverings; 2018.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordinate scheduling of cleaning and testing, so that preliminary cleaning has been completed for at least 24 hours prior to testing.

1.05 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for submittal procedures.

B. Visual Observation Report: For existing floor coverings to be removed.

C. Floor Covering and Adhesive Manufacturers' Product Literature: For each specific combination of substrate, floor covering, and adhesive to be used; showing:

1. Moisture and alkalinity (pH) limits and test methods.
2. Manufacturer's required bond/compatibility test procedure.

D. Remedial Materials Product Data: Manufacturer's published data on each product to be used for remediation.

1. Manufacturer's qualification statement.
2. Test reports indicating compliance with specified performance requirements, performed by nationally recognized independent testing agency.
3. Manufacturer's installation instructions.
4. Specimen Warranty: Copy of warranty to be issued by coating manufacturer and certificate of underwriter's coverage of warranty.

E. Testing Agency's Report:

1. Description of areas tested; include floor plans and photographs if helpful.
2. Summary of conditions encountered.
3. Moisture and alkalinity (pH) test reports.

4. Copies of specified test methods.
5. Recommendations for remediation of unsatisfactory surfaces.
6. Submit report directly to District.
7. Submit report not more than two business days after conclusion of testing.

F. Adhesive Bond and Compatibility Test Report.

G. Floor Moisture Testing Technician Certificate: International Concrete Repair Institute (ICRI) Concrete Slab Moisture Testing Technician- Grade I certificate.

H. Copy of RFCI (RWP).

1.06 QUALITY ASSURANCE

A. Moisture and alkalinity (pH) testing will be performed by an independent testing agency employed and paid by District.

B. Contractor may perform additional adhesive and bond test with Contractor's own personnel or hire a testing agency.

C. Testing Agency Qualifications: Independent testing agency experienced in the types of testing specified.

1. Submit evidence of experience consisting of at least 3 test reports of the type required, with project District's project contact information.

D. Contractor's Responsibility Relating to Independent Agency Testing:

1. Provide access for and cooperate with testing agency.
2. Confirm date of start of testing at least 10 days prior to actual start.
3. Allow at least 4 business days on site for testing agency activities.
4. Achieve and maintain specified ambient conditions.
5. Notify District when specified ambient conditions have been achieved and when testing will start.

E. Floor Moisture Testing Technician Qualifications: International Concrete Repair Institute (ICRI) Concrete Slab Moisture Testing Technician Certification- Grade I.

F. Remedial Coating Installer Qualifications: Company specializing in performing work of the type specified in this section, trained by or employed by coating manufacturer, and able to provide at least 3 project references showing at least 3 years' experience installing moisture emission coatings.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Deliver, store, handle, and protect products in accordance with manufacturer’s instructions and recommendations.

B. Deliver materials in manufacturer’s packaging; include installation instructions.

C. Keep materials from freezing.

1.08 FIELD CONDITIONS

A. Maintain ambient temperature in spaces where concrete testing is being performed, and for at least 48 hours prior to testing, at not less than 65 degrees F or more than 85 degrees F.

B. Maintain relative humidity in spaces where concrete testing is being performed, and for at least 48 hours prior to testing, at not less than 40 percent and not more than 60 percent.

PART 2 PRODUCTS

2.01 MATERIALS

A. Patching Compound: Floor covering manufacturer's recommended product, suitable for conditions, and compatible with adhesive and floor covering. In the absence of any recommendation from flooring manufacturer, provide a product with the following characteristics:

1. Cementitious moisture-, mildew-, and alkali-resistant compound, compatible with floor, floor covering, and floor covering adhesive, and capable of being feathered to nothing at edges.
2. Latex or polyvinyl acetate additions are permitted; gypsum content is prohibited.
3. Compressive Strength: 3000 psi, minimum, after 28 days, when tested in accordance with ASTM C109/C109M or ASTM C472, whichever is appropriate.
4. Products:
   a. ARDEX Engineered Cements; ARDEX Feather Finish: www.ardexamericas.com/#sle.
   b. Floor Seal Technology, Inc; Color Match Patch: www.floorseal.com/#sle.
   c. H.B. Fuller Construction Products, Inc; TEC Feather Edge Skim Coat: www.tecspecialty.com/#sle.
   d. Mapei International; Mapei Ultraplan 1 Plus: www.mapei.com.
   e. Sika Corporation; Sika Level-315: www.sikafloorusa.com.
   f. USG Corporation; Durock Brand Advanced Skim Coat Floor Patch: www.usg.com/#sle.
   g. Substitutions: See Section 01 60 00 - Product Requirements.

B. Alternate Flooring Adhesive: Floor covering manufacturer's recommended product, suitable for the moisture and pH conditions present; low-VOC. In the absence of any recommendation from flooring manufacturer, provide a product recommended by adhesive manufacturer as suitable for substrate and floor covering and for conditions present.

C. Remedial Floor Coating: Single- or multi-layer coating or coating/overlay combination intended by its manufacturer to resist water vapor transmission to degree sufficient to meet flooring manufacturer's emission limits, resistant to the level of alkalinity (pH) found, and suitable for adhesion of flooring without further treatment.

1. Thickness: As required for application and in accordance with manufacturer's installation instructions.
2. Products:
   a. ARDEX Engineered Cements; ARDEX VB 100: www.ardexamericas.com/#sle.
   b. Custom Building Products; TechMVC Moisture Vapor and Alkalinity Barrier: www.custombuildingproducts.com/#sle.
   c. Floor Seal Technology, Inc; MES 100 with Floor Seal FloorCem SLU: www.floorseal.com/#sle.
   d. Koster American Corporation; Koster VAP I 2000 with Koster SL Premium overlay: www.kosterusa.com/#sle.
   e. LATICRETE International, Inc; LATICRETE VAPOR BAN E with LATICRETE NXT LEVEL PLUS: www.laticrete.com/#sle.

f. Maxxon Corporation; Aquafin SG4: www.maxxon.com/#sle.

g. Sika Corporation; Sikafloor Moisture Tolerance Epoxy Primer and Sikafloor Self-Leveling Moisture Tolerant Resurfacer: www.sikafloorusa.com/#sle.

h. USG Corporation; Durock CoverPrep: www.usg.com/#sle.

i. Substitutions: See Section 01 60 00 - Product Requirements.

D. Remedial Floor Sheet Membrane: Pre-formed multi-ply sheet membrane installed over concrete subfloor and intended by its manufacturer to resist water vapor transmission to degree sufficient to meet flooring manufacturer's emission limits, resistant to the level of alkalinity (pH) found, and suitable for adhesion of flooring without further treatment.

1. Thickness: 28 mil (0.028 inch).

2. Tape: Types recommended by underlayment manufacturer to install membrane and cover seams.

3. Products:

a. GCP Applied Technologies: www.gcpat.com/#sle.

b. Substitutions: See Section 01 60 00 - Product Requirements.

PART 3 EXECUTION

3.01 CONCRETE SLAB PREPARATION

A. Follow recommendations of testing agency.

B. Perform following operations in the order indicated:

1. Existing concrete slabs (on-grade and elevated) with existing floor coverings:

a. Visual observation of existing floor covering, for adhesion, water damage, alkaline deposits, and other defects.

b. Removal of existing floor covering.

2. Existing concrete slabs with coatings or penetrating sealers/hardeners/dustproofers:

a. Do not attempt to remove coating or penetrating material.

b. Do not abrade surface.

c. Remove existing coatings and curing agents from surface according to recommendations of remedial coating manufacturer.

d. Prepare surface according to recommendations of remedial coating manufacturer and according to ASTM D4259.

3. Preliminary cleaning.

4. Moisture vapor emission tests; 3 tests in the first 1000 square feet and one test in each additional 1000 square feet, unless otherwise indicated or required by flooring manufacturer.

5. Internal relative humidity tests; in same locations as moisture vapor emission tests, unless otherwise indicated.

6. Alkalinity (pH) tests; in same locations as moisture vapor emission tests, unless otherwise indicated.

7. Specified remediation, if required.

8. Patching, smoothing, and leveling, as required.

9. Other preparation specified.
10. Adhesive bond and compatibility test.
11. Protection.

C. Remediations:

1. Active Water Leaks or Continuing Moisture Migration to Surface of Slab: Correct this condition before doing any other remediation; re-test after correction.
2. Excessive Moisture Emission or Relative Humidity: If an adhesive that is resistant to the level of moisture present is available and acceptable to flooring manufacturer, use that adhesive for installation of the flooring; if not, apply remedial floor coating or remedial sheet membrane over entire suspect floor area.
3. Excessive Alkalinity (pH): If remedial floor coating is necessary to address excessive moisture, no additional remediation is required; if not, if an adhesive that is resistant to the level present is available and acceptable to the flooring manufacturer, use that adhesive for installation of the flooring; otherwise, apply a skim coat of specified patching compound over entire suspect floor area.

3.02 REMOVAL OF EXISTING FLOOR COVERINGS

A. Comply with local, State, and federal regulations and recommendations of RFCI (RWP), as applicable to floor covering being removed.

B. Dispose of removed materials in accordance with local, State, and federal regulations and as specified.

3.03 PRELIMINARY CLEANING

A. Clean floors of dust, solvents, paint, wax, oil, grease, asphalt, residual adhesive, adhesive removers, film-forming curing compounds, sealing compounds, alkaline salts, excessive laitance, mold, mildew, and other materials that might prevent adhesive bond.

B. Do not use solvents or other chemicals for cleaning.

3.04 MOISTURE VAPOR EMISSION TESTING

A. Where the floor covering manufacturer's requirements conflict with either the referenced test method or this specification, comply with the manufacturer's requirements.

B. Where this specification conflicts with the referenced test method, comply with the requirements of this section.

C. Test in accordance with ASTM F1869 and as follows.

D. Plastic sheet test and mat bond test may not be substituted for the specified ASTM test method, as those methods do not quantify the moisture content sufficiently.

E. In the event that test values exceed floor covering manufacturer's limits, perform remediation as indicated. In the absence of manufacturer limits, perform remediation if test values exceed 3 pounds per 1000 square feet per 24 hours.

F. Report: Report the information required by the test method.

3.05 INTERNAL RELATIVE HUMIDITY TESTING

A. Where the floor covering manufacturer's requirements conflict with either the referenced test method or this specification, comply with the manufacturer's requirements.

B. Where this specification conflicts with the referenced test method, comply with the requirements of this section.

C. Test in accordance with ASTM F2170 Procedure A and as follows.

D. Testing with electrical impedance or resistance apparatus may not be substituted for the specified ASTM test method, as the values determined are not comparable to the ASTM test values and do not quantify the moisture content sufficiently.

E. In the event that test values exceed floor covering manufacturer's limits, perform remediation as indicated. In the absence of manufacturer limits, perform remediation if any test value exceeds 75 percent relative humidity.

F. Report: Report the information required by the test method.

3.06 ALKALINITY TESTING

A. Where the floor covering manufacturer's requirements conflict with either the referenced test method or this specification, comply with the manufacturer's requirements.

B. The following procedure is the equivalent of that described in ASTM F710, repeated here for the Contractor's convenience.

1. Use a wide range alkalinity (pH) test paper, its associated chart, and distilled or deionized water.

2. Place several drops of water on a clean surface of concrete, forming a puddle approximately 1 inch in diameter. Allow the puddle to set for approximately 60 seconds, then dip the alkalinity (pH) test paper into the water, remove it, and compare immediately to chart to determine alkalinity (pH) reading.

3. Use of a digital pH meter with probe is acceptable; follow meter manufacturer's instructions.

C. In the event that test values exceed floor covering manufacturer's limits, perform remediation as indicated. In the absence of manufacturer limits, perform remediation if alkalinity (pH) test value is over 10.

3.07 PREPARATION

A. Protection of In-Place Conditions: Where indicated as contaminated to remain.

B. See individual floor covering section(s) for additional requirements.

C. Comply with recommendations of testing agency.

D. Comply with requirements and recommendations of floor covering manufacturer.

E. Fill and smooth surface cracks, grooves, depressions, control joints and other non-moving joints, and other irregularities with patching compound.

F. Do not fill expansion joints, isolation joints, or other moving joints.

3.08 ADHESIVE BOND AND COMPATIBILITY TESTING

A. Comply with requirements and recommendations of floor covering manufacturer.

3.09 APPLICATION OF REMEDIAL FLOOR COATING

A. Comply with requirements and recommendations of coating manufacturer.

B. Install remedial coating over all concrete floor areas where moisture emission and/or alkalinity exceeds the floor covering manufacturer's published limits.

C. Prepare floor areas to be coated in accordance with coating manufacturer's requirements.

1. Mask and protect adjacent wall and floor surfaces from damage due to this work.

D. Apply coating using manufacturer's recommended procedures.

E. Apply 1/8 inch thick cementitious surfacing over coating in areas to receive adhesively applied floor coverings.

F. Verify that prepared floor slab has moisture emission rate and alkalinity meeting requirements.

3.10 APPLICATION OF REMEDIAL FLOOR TREATMENT

A. Comply with requirements and recommendations of treatment manufacturer.

3.11 INSTALLATION OF REMEDIAL FLOOR SHEET MEMBRANE

A. Install in accordance with sheet membrane manufacturer's instructions.

3.12 PROTECTION

A. Cover prepared floors with building paper or other durable covering.

END OF SECTION

CAUTION

1. THE LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS PLAN WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. (A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES). CONTRACTOR SHALL VERIFY LOCATION AND DEPTH PRIOR TO ANY EXCAVATION OR IMPROVEMENT.
2. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT FOR LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION– PHONE (800) 642–2444. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY WORK ON THIS SITE.
3. THESE DRAWINGS DO NOT ADDRESS CONTRACTOR MEANS, METHODS OR PROCESSES THAT MAY BE ASSOCIATED WITH ANY TOXIC SOILS IF FOUND ON SITE. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL CITY, COUNTY AND STATE STANDARDS AND APPROPRIATE REGULATIONS IF TOXIC SOILS ARE ENCOUNTERED. CONTRACTOR MUST NOTIFY THE PROJECT MANAGER IMMEDIATELY IF ANY SOILS ARE EVEN SUSPECTED OF BEING CONTAMINATED.

GENERAL NOTES:

1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING ON THIS WORK AND CONSIDER THE EXISTING CONDITIONS AND SITE CONSTRAINTS IN THE BID. CONTRACTOR SHALL BE IN THE POSSESSION OF AND FAMILIAR WITH ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS AND SPECIFICATIONS PRIOR TO SUBMITTING OF A BID.
2. ALL WORK ON–SITE AND IN THE PUBLIC RIGHT–OF–WAY SHALL CONFORM TO ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS & SPECIFICATIONS.
3. PRIOR TO BEGINNING WORK AND AFTER INITIAL HORIZONTAL CONTROL STAKING, CONTRACTOR SHALL FIELD CHECK ALL JOIN ELEVATIONS AND REPORT ANY DISCREPANCIES GREATER THAN 0.05' FOR FINISHED GRADE OR 0.02' FOR FINISHED SURFACE IN ADA AREAS TO CIVIL ENGINEER.
4. DAMAGE TO ANY EXISTING SITE IMPROVEMENTS, UTILITIES AND/OR SERVICES TO REMAIN SHALL BE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND AT NO COST TO THE OWNER.
5. CONTRACTOR SHALL REPLACE ALL STRUCTURES AND GRATE LIDS FOR VAULTS, CATCH BASINS, ETC., WITHIN TRAFFIC ACCESSIBLE AREAS WITH STRUCTURES AND LIDS RATED FOR HS20–44 LOADING AND MARKED AS SUCH.
6. THE CONTRACTOR SHALL ADJUST TO FINAL GRADE ALL EXISTING AND/OR NEW MANHOLES, CURB INLETS, CATCH BASINS, VALVES, MONUMENT COVERS, AND OTHER CASTINGS WITHIN THE WORK AREA TO FINAL GRADE IN PAVEMENT AND LANDSCAPE AREAS UNLESS NOTED OTHERWISE.
7. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THAT THE CONTRACTOR SHALL DEFEND INDEMNIFY AND HOLD THE DISTRICT AND THE CONSULTING ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DISTRICT OR THE CONSULTING ENGINEER.
8. THE DISTRICT AND CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
9. EXISTING PEDESTRIAN WALKWAYS, BIKE PATHS AND ACCESSIBLE PATHWAYS SHALL BE MAINTAINED, WHERE FEASIBLE, DURING CONSTRUCTION.
10. IF A CONFLICT ARISES BETWEEN THE SPECIFICATIONS AND THE PLAN NOTES, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

TREE/PLAN PROTECTION NOTES:

1. PRIOR TO BEGINNING CONSTRUCTION ON SITE, CONTRACTOR SHALL IDENTIFY AND PROTECT EXISTING TREES AND PLANTS DESIGNATED AS TO REMAIN.
2. PROVIDE 6 FOOT TALL TREE PROTECTION FENCE WITH DISTINCTIVE MARKING VISIBLE TO CONSTRUCTION EQUIPMENT, ENCLOSING DRIP LINES OF TREES DESIGNATED TO REMAIN.
3. WORK REQUIRED WITHIN FENCE LINE SHALL BE HELD TO A MINIMUM, AVOID UNNECESSARY MOVEMENT OF HEAVY EQUIPMENT WITHIN FENCED AREA AND DO NOT PARK VEHICLES WITH IDLE RUNNING ENGINES UNDER DRIP LINE OF TREES.
4. CONSULT WITH THE PROJECT MANAGER PRIOR TO REMOVING ROOTS AND BRANCHES LARGER THAN 2" IN DIAMETER OF TREES OR PLANTS THAT ARE TO REMAIN.
5. ANY GRADE CHANGES GREATER THAN 6" WITHIN THE DRIPLINE OF EXISTING TREES SHALL NOT BE MADE WITHOUT FIRST CONSULTING THE LANDSCAPE ARCHITECT/CIVIL ENGINEER.
6. PROTECT EXISTING TREES TO REMAIN FROM SPILLED CHEMICALS, FUEL OIL, MOTOR OIL, GASOLINE AND ALL OTHER CHEMICALLY INJURIOUS MATERIAL; AS WELL AS FROM PUDDLING OR CONTINUOUSLY RUNNING WATER. SHOULD A SPILL OCCUR, STOP WORK IN THAT AREA AND CONTACT THE CITY'S ENGINEER/INSPECTOR IMMEDIATELY. CONTRACTOR SHALL BE RESPONSIBLE TO MITIGATE DAMAGE FROM SPILLED MATERIAL AS WELL AS MATERIAL CLEAN UP, AT NOT COST TO THE OWNER.
7. PROVIDE TEMPORARY IRRIGATION TO ALL TREES AND PLANTS THAT ARE IN OR ADJACENT TO CONSTRUCTION AREAS WHERE EXISTING IRRIGATION SYSTEMS MAY BE AFFECTED BY THE CONSTRUCTION. ALSO PROVIDE TEMPORARY IRRIGATION TO RELOCATED TREES.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR ONGOING MAINTENANCE OF ALL TREES DESIGNATED TO REMAIN AND FOR MAINTENANCE OF RELOCATED TREES STOCKPILED DURING CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO REPLACE TREES THAT DIE DUE TO LACK OF MAINTENANCE.

PAVEMENT SECTION:

1. SEE SHEET C6.0 FOR ALL PAVEMENT SECTIONS.
2. SEE SHEET C6.0 FOR ALL VEHICULAR PAVEMENT SECTIONS AND FOR LOCATION OF PAVEMENT SECTIONS.
3. SEE SHEET C6.0 FOR FLATWORK SECTIONS AND BASE REQUIREMENTS.
4. EXISTING PAVEMENT SHALL BE TACK COATED PRIOR TO CONSTRUCTING NEW PAVEMENT.
5. THE FINAL OR SURFACE LAYER OF ASPHALT CONCRETE SHALL NOT BE PLACED UNTIL ALL ON–SITE IMPROVEMENTS HAVE BEEN COMPLETED, INCLUDING ALL GRADING, AND ALL UNACCEPTABLE CONCRETE WORK HAS BEEN REMOVED AND REPLACED, UNLESS OTHERWISE APPROVED BY THE IOR.
6. EXISTING ASPHALT CONCRETE IN PARKING LOT TO BE REMOVED IN ACCORDANCE WITH THE DEMOLITION PLAN. SCRAPE OFF BASE ROCK AND STOCKPILE FOR RE–USE AS GENERAL FILL IN NEW PAVEMENT SECTION IF APPROVED BY GEOTECHNICAL ENGINEER.
7. ALL PAVING SHALL BE IN CONFORMANCE WITH SECTION 26 "AGGREGATE BASE" AND SECTION 39 "ASPHALT CONCRETE" PER LATEST EDITION OF CALTRANS STANDARD SPECIFICATIONS.

HORIZONTAL CONTROL NOTES:

1. CONTRACTOR SHALL LAYOUT THE CONTROL FOR THE SITE AS SPECIFIED ON SHEETS C3.0 AND C3.1. CONTRACTOR SHALL CLEARLY SET AND MARK EACH OF THE CONTROL POINTS, PROTECTING THE POINTS THROUGHOUT CONSTRUCTION.
2. ALL DIMENSIONS ON THE PLANS ARE IN FEET OR DECIMALS THEREOF UNLESS SPECIFICALLY CALLED OUT AS FEET AND INCHES.
3. ALL RETURN RADII AND CURB DATA ARE TO FACE OF CURB, UNLESS OTHERWISE SHOWN OR INDICATED.
4. ALL DIMENSION SHOWN ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

RECORD DRAWINGS:

1. THE CONTRACTOR SHALL KEEP A COMPLETE UP–TO–DATE AND ACCURATE RECORD SET OF PRINTS OF THE CONTRACT DRAWINGS SHOWING EVERY CHANGE FROM THE ORIGINAL DRAWINGS MADE DURING THE COURSE OF CONSTRUCTION INCLUDING EXACT FINAL LOCATION, ELEVATION, SIZES, MATERIALS, AND DESCRIPTION OF ALL WORK. RECORDS SHALL BE "REDLINED" ON A SET OF CONSTRUCTION PLAN DRAWINGS. A COMPLETE SET OF CORRECTED AND COMPLETED RECORD DRAWING PRINTS SHALL BE SUBMITTED TO THE DISTRICT AND DISTRICT'S CIVIL ENGINEER PRIOR TO FINAL ACCEPTANCE FOR REVIEW AND APPROVAL BY THE DISTRICT.

GENERAL UTILITY SYSTEM NOTES:

1. ALL TRENCHES SHALL BE BACK FILLED PER THE SPECIFICATIONS WITH APPROPRIATE TESTS BY THE GEOTECHNICAL ENGINEER TO VERIFY COMPACTION VALUES.
2. CLEAN OUTS, CATCH BASINS AND AREA DRAINS ARE TO BE ACCURATELY LOCATED BY THEIR RELATIONSHIP TO THE BUILDING, FLATWORK, ROOF DRAINS, AND/OR CURB LAYOUT, NOT BY THE LENGTH OF PIPE SPECIFIED IN THE DRAWINGS (WHICH IS APPROXIMATE).
3. CONTRACTOR SHALL STAKE LOCATION OF ABOVE GROUND UTILITY EQUIPMENT (BACKFLOW PREVENTOR, SATELLITE DISH, TRANSFORMER, GAS METER, ETC.) AND MEET WITH DISTRICT TO REVIEW LOCATION PRIOR TO INSTALLATION. PLANNING DEPARTMENT MUST SPECIFICALLY AGREE WITH LOCATION PRIOR TO PROCEEDING WITH THE INSTALLATION.
4. CONTRACTOR SHALL PREPARE AN ACCURATE COMPOSITE UTILITY PLAN THAT TAKES INTO ACCOUNT THE ACTUAL LOCATION OF EXISTING UTILITIES AS DETERMINED DURING THE DEMOLITION WORK, THE UTILITIES SHOWN ON THE CIVIL DRAWINGS, AND THE SITE POWER, CONDUITS AND LIGHTING SHOWN ON THE ELECTRICAL PLANS. THE FIRE SPRINKLER SYSTEM SHALL BE INCLUDED.
5. CATHODIC PROTECTION MAY BE REQUIRED ON ALL METALLIC FITTINGS AND ASSEMBLIES THAT ARE IN CONTACT WITH THE SOIL, IF RECOMMENDED BY THE GEOTECHNICAL REPORT. CONTRACTOR IS RESPONSIBLE TO FULLY ENGINEER AND INSTALL THIS SYSTEM AND COORDINATE ANODE AND TEST STATION LOCATIONS WITH OWNER'S PROJECT MANAGER.
6. COMPLETE SYSTEMS: ALL UTILITY SYSTEMS ARE DELINEATED ON THESE PLANS. CONTRACTOR IS TO PROVIDE ALL FITTINGS, ACCESSORIES AND WORK NECESSARY TO COMPLETE THE UTILITY SYSTEM SO THAT IT IS FULLY FUNCTIONING FOR THE PURPOSE INTENDED.
7. UNDERGROUND UTILITIES OR STRUCTURES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS AND EXTENT BASED UPON RECORD INFORMATION. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE DISTRICT, BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO, AGREES TO ASSUME LIABILITY AND TO HOLD UNDERSIGNED HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED; NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIANCE WITH THOSE REPORTED OR SHOWN ON RECORDS EXAMINED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES FROM DAMAGE DURING COMPACTION OF ROADWAY SUBGRADE AND PRIOR TO PLACEMENT OF FINAL PAVEMENT SECTIONS.
9. EXISTING UTILITY CROSSINGS OF NEW PIPELINE ARE SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. GAS, WATER AND SEWER SERVICE LATERALS ARE SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE TYPE, SIZE, LOCATION AND DEPTH OF ALL THE UTILITY CROSSING (BOTH MAINS AND LATERALS) ARE CORRECT AS SHOWN. NO GUARANTEE IS MADE THAT ALL EXISTING UTILITIES (BOTH MAINS AND LATERALS) ARE SHOWN. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING AND SHALL PROTECT ALL EXISTING UTILITIES (BOTH MAINS AND LATERALS) FROM DAMAGE DUE TO HIS OPERATION.
10. CONTRACTOR SHALL UNCOVER AND EXPOSE ALL EXISTING UTILITY AND SEWER LINES WHERE THEY ARE TO BE CROSSED ABOVE OR BELOW BY THE NEW FACILITY BEING CONSTRUCTED IN ORDER TO VERIFY THE GRADE AND TO ASSURE THAT THERE IS SUFFICIENT CLEARANCE.
11. VERTICAL SEPARATION REQUIREMENTS:

    A MINIMUM OF SIX (6) INCHES VERTICAL CLEARANCE SHALL BE PROVIDED BETWEEN CROSSING UTILITY PIPES, EXCEPT THAT THE MINIMUM VERTICAL CLEARANCE BETWEEN WATER AND SANITARY SEWER PIPELINES SHALL BE 12 INCHES AND ALL NEW WATER PIPES SHALL BE TYPICALLY INSTALLED TO CROSS ABOVE/OVER EXISTING SANITARY SEWER PIPELINES.

    WHERE NEW WATER PIPELINES ARE REQUIRED TO CROSS UNDER EXISTING AND/OR NEW SANITARY SEWER PIPELINES, THE MINIMUM VERTICAL SEPARATION SHALL BE 12 INCHES (EDGE OF PIPE TO EDGE OF PIPE). WATER LINE JOINTS SHALL BE INSTALLED NO CLOSER THAN 10' MINIMUM HORIZONTAL DISTANCE FROM CENTERLINE OF UTILITY CROSSINGS, WHERE FEASIBLE.
12. HORIZONTAL SEPARATION REQUIREMENTS:

    A MINIMUM HORIZONTAL SEPARATION BETWEEN NEW PIPELINES AND ANY EXISTING UTILITIES SHALL BE 5' FEET, EXCEPT THAT THE MINIMUM HORIZONTAL SEPARATION FOR WATER AND SANITARY SEWER PIPELINES SHALL BE 10' MINIMUM, UNLESS OTHERWISE NOTED.

    A MINIMUM HORIZONTAL SEPARATION BETWEEN NEW PIPELINES AND JOINT TRENCH SHALL BE 5 FEET.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING APPROPRIATE UTILITIES AND REQUESTING VERIFICATION OF SERVICE POINTS, FIELD VERIFICATION OF LOCATION, SIZE, DEPTH, ETC. FOR ALL THEIR FACILITIES AND TO COORDINATE WORK SCHEDULES.

SITE MAINTENANCE (BY CONTRACTOR):

1. GATHER ALL CONSTRUCTION DEBRIS ON A REGULAR BASIS AND PLACE IT IN A DUMPSTER OR OTHER CONTAINER WHICH IS EMPTIED OR REMOVED ON A REGULAR BASIS. WHEN APPROPRIATE, USE TARPS ON THE GROUND TO COLLECT FALLEN DEBRIS OR SPLATTERS THAT COULD CONTRIBUTE TO STORM WATER RUNOFF POLLUTION.
2. REMOVE ALL DIRT, GRAVEL, RUBBISH, REFUSE, AND GREEN WASTE FROM STREET PAVEMENT AND STORM DRAINS ADJOINING THE SITE. LIMIT CONSTRUCTION ACCESS ROUTES ONTO THE SITE AND PLACE GRAVEL PADS AT THESE LOCATIONS. DO NOT DRIVE VEHICLES AND EQUIPMENT OFF THE PAVED OR GRAVELED AREAS DURING WET WEATHER.
3. SWEEP OR VACUUM THE STREET PAVEMENT AND SIDEWALKS ADJOINING THE PROJECT SITE AND THE ON–SITE PAVED AREAS ON A DAILY BASIS. SCRAPE CAKED–ON MUD AND DIRT FROM THESE AREAS BEFORE SWEEPING. CORNERS AND HARD TO REACH AREAS SHALL BE SWEPT MANUALLY.
4. IF THE STREETS, SIDEWALKS AND/OR PARKING LOT ARE PRESSURE WASHED, DEBRIS MUST BE TRAPPED AND COLLECTED TO PREVENT ENTRY INTO THE STORM DRAIN SYSTEM. NO CLEANING AGENT MAY BE DISCHARGED INTO THE STORM DRAIN. IF ANY CLEANING AGENT OR DEGREASER IS USED, WASH WATER MUST BE COLLECTED AND DISCHARGED TO THE SANITARY SEWER, SUBJECT TO THE APPROVAL OF THE PROJECT MANAGER, OR OTHERWISE DISPOSED OF THROUGH APPROVED DISPOSAL METHODS.
5. CREATE A CONTAINED AND COVERED AREA ON THE SITE FOR THE STORAGE OF BAGS, CEMENT, PAINTS, OILS, FERTILIZERS, PESTICIDES, OR OTHER MATERIALS USED ON THE SITE THAT HAVE THE POTENTIAL OF BEING DISCHARGED INTO THE STORM DRAIN SYSTEM THROUGH EITHER BEING WIND–BLOWN OR IN THE EVENT OF A MATERIAL SPILL.
6. NEVER CLEAN MACHINERY, EQUIPMENT OR TOOLS INTO A STREET, GUTTER OR STORM DRAIN.
7. ENSURE THAT CEMENT TRUCKS, PAINTERS, OR STUCCO/PLASTER FINISHING CONTRACTORS DO NOT DISCHARGE WASH WATER FROM EQUIPMENT, TOOLS OR RINSE CONTAINERS INTO GUTTERS OR DRAINS.
8. UPON PROJECT COMPLETION THE DISTRICT SHALL BE SOLELY RESPONSIBLE TO ROUTINELY INSPECT AND MAINTAIN ALL ON–SITE STORM DRAIN FACILITIES. STORM DRAIN SYSTEM SHALL BE CLEANED AND/OR FLUSHED ON A BIANNUAL BASIS OR AS FOUND NECESSARY.
9. PREVENT DUST FROM LEAVING THE SITE AND ACCUMULATING ON ADJACENT AREAS AS REQUIRED IN THE DUST CONTROL NOTES ON THIS SHEET.
10. PREVENT SEDIMENT LADEN STORM RUN–OFF FROM LEAVING THE SITE OR ENTERING STORM DRAIN OR SANITARY SEWER SYSTEMS AS REQUIRED IN THE EROSION AND SEDIMENTATION CONTROL NOTES ON THIS SHEET.
11. MAINTAIN EXISTING TREES AND PLANTS THAT ARE TO REMAIN AS REQUIRED BY THE TREE AND PLANT PROTECTION NOTES ON THIS SHEET.

CONSTRUCTION FENCE NOTES:

1. CONTRACTOR SHALL PROVIDE A CONSTRUCTION FENCE AROUND THE ENTIRE AREA OF DEMOLITION AND CONSTRUCTION, INCLUDING ALL STAGING, STORAGE, CONSTRUCTION OFFICE AND LAYDOWN AREAS.
2. FENCE LOCATION MAY BE ADJUSTED FROM TIME TO TIME AS CONSTRUCTION PROCEEDS TO EXCLUDE SOME AREAS WHERE CONSTRUCTION WORK IS NOT BEING DONE AND THE AREA IS NOT OBJECTIONABLE IN VISUAL APPEARANCE.
3. CONSTRUCTION FENCE SHALL BE A MINIMUM OF A 6' HIGH GALVANIZED CHAIN LINK WITH GREEN WINDSCREEN FABRIC ON THE OUTSIDE OF THE FENCE.
4. CONTRACTOR SHALL REPLACE THE GREEN FABRIC AT SUCH A TIME AS IT BECOMES TATTERED AND UNSIGHTLY DUE TO WIND OR CONSTRUCTION ACTIVITY.
5. CONSTRUCTION FENCE ADDRESSED IN THESE NOTES IS ONLY FOR VISUAL CONFORMANCE OF THIS CONSTRUCTION SITE TO THE CITY STANDARDS. CONTRACTOR MAY BE REQUIRED TO PROVIDE ADDITIONAL FENCING, BARRICADES OR OTHER SAFETY DEVICES TO KEEP THE SITE SECURE AND SAFE.

EROSION CONTROL NOTES:

1. EROSION CONTROL MEASURES ARE INTENDED TO PREVENT SEDIMENT AND DEBRIS FROM ENTERING THE CITY STORM DRAIN SYSTEM, SANITARY SEWER SYSTEM OR FROM LEAVING THE SITE. THE CONTRACTOR SHALL MAKE ADJUSTMENTS IN THE FIELD TO MAKE SURE THAT THIS CONCEPT IS CARRIED OUT.
2. EROSION CONTROL FACILITIES AND MEASURES ARE TO BE INSTALLED AND OPERABLE YEAR–ROUND THROUGHOUT CONSTRUCTION, AND SHALL CONTINUE IN EFFECT UNTIL INSTALLATION OF THE PERMANENT SITE IMPROVEMENTS.
3. CONTRACTOR SHALL ASSUME THE CONCEPTS ON THE EROSION CONTROL PLAN, IF PROVIDED, ARE SCHEMATIC MINIMUM REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR THE EXACT DESIGN AND EXTENT OF THE EROSION CONTROL SYSTEM SO THAT IT WORKS WITH THE CONTRACTOR'S INTENDED USE AND MANAGEMENT OF THE CONSTRUCTION SITE.
4. ALL EROSION CONTROL FACILITIES SHALL BE INSPECTED BY THE CONTRACTOR AND REPAIRED, AS REQUIRED, AT THE CONCLUSION OF EACH WORKING DAY. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL FACILITIES AND MAKE NECESSARY REPAIRS PRIOR TO ANTICIPATED STORMS AND AT REASONABLE INTERVALS DURING STORMS OF EXTENDED DURATION. REPAIRS TO DAMAGED FACILITIES SHALL BE MADE IMMEDIATELY UPON DISCOVERY.
5. AS SOON AS PRACTICAL FOLLOWING EACH STORM, THE CONTRACTOR SHALL REMOVE ANY ACCUMULATION OF SILT OR DEBRIS FROM THE EROSION CONTROL SEDIMENT BASINS AND SHALL CLEAR THE OUTLET PIPES OF ANY BLOCKAGE.
6. STOCKPILED MATERIAL SHALL BE COVERED WITH VISQUEEN OR A TARPAULIN UNTIL THE MATERIAL IS REMOVED FROM THE SITE. ANY REMAINING BARE SOIL THAT EXISTS AFTER THE STOCKPILE HAS BEEN REMOVED SHALL BE COVERED UNTIL A NATURAL GROUND COVER IS ESTABLISHED OR IT MAY BE SEEDED OR PLANTED TO PROVIDE GROUND COVER.
7. PRIOR TO THE COMMENCEMENT OF ANY CLEARING, GRADING, OR EXCAVATION, THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT HAS SUBMITTED TO THE STATE WATER RESOURCES CONTROL BOARD A NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE STATE CONSTRUCTION STORM WATER GENERAL PERMIT, IF REQUIRED BY THE STATE. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE NOI ON THE CONSTRUCTION SITE.
8. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
9. EROSION CONTROL DEVICES SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE DISTRICT.
10. ALL REMOVABLE EROSION PROTECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5–DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
11. AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM STREETS, CHECK BERMS AND BASINS.
12. GRADED AREAS ON THE PERMITTED AREA PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY. DRAINAGE IS TO BE DIRECTED TOWARD DESILTING FACILITIES.
13. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL WORK AND INSURE THAT THE WORK IS IN ACCORDANCE WITH APPROVED PLANS.
14. PROTECT ADJACENT PROPERTIES AND UNDISTURBED AREAS FROM CONSTRUCTION IMPACTS USING VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES, MULCHING OR OTHER MEASURES AS APPROPRIATE.
15. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF THE INSPECTOR. THE ADJACENT STREET SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCE BEING CONTROLLED AT ALL TIMES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON ADJACENT STREETS AFFECTED BY THEIR CONSTRUCTION, METHOD OF STREET CLEANING SHALL BE BY DRY SWEEPING OF ALL PAVED AREAS. NO STOCKPILING OF BUILDING MATERIALS WITHIN THE CITY'S RIGHT–OF–WAY IS PERMITTED.
16. ALL EROSION CONTROL MATERIALS SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR UNLESS OTHERWISE NOTED.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION CONTROLS, SEDIMENT CONTROLS AND ALL OTHER BEST MANAGEMENT PRACTICES (BMP'S) THROUGH OUT THE DURATION OF CONSTRUCTION, AS OUTLINED ~~IN THE PROJECT SWPPP AND AS DIRECTED~~ BY THE PROJECT QUALIFIED SWPPP PRACTITIONER (QSP), WHO SHALL BE HIRED BY THE CONTRACTOR. ADD02

DUST CONTROL (BY CONTRACTORS):

1. WATER TRUCKS SHALL BE PRESENT AND IN USE AT THE CONSTRUCTION SITE. ALL PORTIONS OF THE SITE SUBJECT TO BLOWING DUST SHALL BE WATERED AS OFTEN AS DEEMED NECESSARY BY THE DISTRICT/INSPECTOR IN ORDER TO INSURE PROPER CONTROL OF BLOWING DUST FOR THE DURATION OF THE PROJECT.
2. WATERING ASSOCIATED WITH ON–SITE CONSTRUCTION ACTIVITY SHALL TAKE PLACE BETWEEN THE HOURS OF 8:00 AM AND 7:00 PM AND SHALL INCLUDE AT LEAST ONE LATE–AFTERNOON WATERING TO MINIMIZE THE EFFECTS OF BLOWING DUST.
3. ALL PUBLIC STREETS AND MEDIANS SOILED OR LITTERED DUE TO THIS CONSTRUCTION ACTIVITY SHALL BE CLEANED AND SWEPT ON A DAILY BASIS DURING THE WORK WEEK, OR AS OFTEN AS DEEMED NECESSARY BY THE DISTRICT/INSPECTOR, OR TO THE SATISFACTION OF THE CITY'S DEPARTMENT OF PUBLIC WORKS.
4. WATERING ON PUBLIC STREETS OR POWER WASHING SEDIMENTATION ON STREETS SHALL NOT OCCUR, UNLESS CONTRACTOR COLLECTS AND FILTERS THE WASH WATER PRIOR TO ITS ENTERING THE CITY'S STORM DRAIN SYSTEM.
5. ON–SITE PAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS SHALL BE SWEPT DAILY WITH A WATER SWEEPER.
6. ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS SHALL BE COVERED WITH TARPAULINS OR OTHER EFFECTIVE COVERS.
7. THE SPEED OF ALL VEHICLES DRIVING ON UNPAVED ROADS OR PORTIONS OF THE SITE SHALL BE LIMITED TO 15 MPH.
8. WHEEL WASHERS SHALL BE INSTALLED AND USED TO CLEAN ALL TRUCKS AND EQUIPMENT LEAVING THE CONSTRUCTION SITE. IF WHEEL WASHERS CANNOT BE INSTALLED, TIRES OR TRACKS OF ALL TRUCKS AND EQUIPMENT SHALL BE WASHED OFF BEFORE LEAVING THE CONSTRUCTION SITE.
9. THE CONTRACTOR SHALL DEMONSTRATE DUST SUPPRESSION MEASURES, SUCH AS REGULAR WATERING, WHICH SHALL BE IMPLEMENTED TO REDUCE EMISSIONS DURING CONSTRUCTION AND GRADING IN A MANNER MEETING THE APPROVAL OF THE CONSTRUCTION MANAGER. THIS SHALL ASSIST IN REDUCING SHORT–TERM IMPACTS FROM PARTICLES WHICH COULD RESULT IN NUISANCES THAT ARE PROHIBITED BY AIR QUALITY MANAGEMENT DISTRICT RULE 403 (FUGITIVE DUST).
10. GRADING OR ANY OTHER OPERATIONS THAT CREATES DUST SHALL BE STOPPED IMMEDIATELY IF DUST AFFECTS ADJACENT PROPERTIES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT DUST CONTROL FOR THE ENTIRE PROJECT SITE IN ACCORDANCE WITH THE PROJECT SWPPP AT ALL TIMES. THE SITE SHALL BE SPRINKLERED AS NECESSARY TO PREVENT DUST NUISANCE. IN THE EVENT THAT THE CONTRACTOR NEGLECTS TO USE ADEQUATE MEASURES TO CONTROL DUST, THE DISTRICT RESERVES THE RIGHT TO TAKE WHATEVER MEASURES ARE NECESSARY TO CONTROL DUST AND CHARGE THE COST TO THE CONTRACTOR.
11. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL MEASURES AND FOR OBTAINING ALL REQUIRED PERMITS AND APPROVALS. ALL GRADING OPERATIONS SHALL BE SUSPENDED DURING SECOND (OR WORSE) STAGE SMOG ALERTS.

NPDES REQUIREMENTS (BY CONTRACTOR):

1. ALL CONSTRUCTION OF OFF–SITE OR ON–SITE IMPROVEMENTS SHALL ADHERE TO NPDES (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM) BEST MANAGEMENT PRACTICES TO PREVENT DELETERIOUS MATERIALS OR POLLUTANTS FROM ENTERING THE CITY OR COUNTY STORM DRAIN SYSTEMS.
2. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
3. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
4. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
5. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC RIGHT–OF–WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
6. TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION AND DISPERSAL BY WIND.
7. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC RIGHT–OF–WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
8. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
9. CLEAN UP ALL SPILLS USING DRY METHODS.
10. SWEEP ALL GUTTERS AT THE END OF EACH WORKING DAY. GUTTERS SHALL BE KEPT CLEAN AFTER LEAVING CONSTRUCTION SITE.
11. CALL 911 IN CASE OF A HAZARDOUS SPILL.
12. BMP'S AS OUTLINED IN, BUT NOT LIMITED TO, CALIFORNIA STORM WATER QUALITY TASK FORCE, SACRAMENTO, CALIFORNIA, JANUARY 2009, OR THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE INSPECTORS).
13. UPON SATISFACTORY COMPLETION OF THE WORK, THE ENTIRE WORK SITE SHALL BE CLEANED BY THE CONTRACTOR AND LEFT WITH A SMOOTH AND NEATLY GRADED SURFACE FREE OF CONSTRUCTION WASTE, RUBBISH, AND DEBRIS OF ANY NATURE.

RECORD DRAWINGS

1. WHERE LOCAL JURISDICTIONS REQUIRE RECORD DRAWINGS, THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER AND OWNER COPIES OF A PAVING, GRADING AND DRAINAGE RECORD DRAWING AND A SEPARATE UTILITY RECORD DRAWING, BOTH PREPARED BY A CALIFORNIA REGISTERED SURVEYOR. THE RECORD DRAWINGS SHALL VERIFY ALL DESIGN INFORMATION INCLUDED ON THE DESIGN PLANS OF THE SAME NAME.

PROJECT CLOSEOUT

CONTRACTOR SHALL PROVIDE THE NECESSARY ITEMS INCLUDING ANY TESTING, REPORTS, OR CERTIFICATION DOCUMENTS REQUIRED BY THE GOVERNING JURISDICTIONS TO PROPERLY CLOSEOUT THE PROJECT BEFORE IT CAN BE DEEMED COMPLETE.

BENCHMARK NOTE

THE BENCHMARK IS THE TOP OF A MAGNETIC NAIL AND TIN SHINER SET IN THE ASPHALT OF A BASKETBALL COURT AND HAVING AN ELEVATION OF 230.66' PER OPUS SOLUTION (NAVD 88)

BASIS OF BEARINGS NOTE

THE BASIS OF BEARINGS IS A LINE BETWEEN TWO FOUND CENTER LINE MONUMENTS IN STANDARD MONUMENT WELLS ON LARK STREET BEING 2" BRASS CAPS STAMPED "LS 3485" AND HAVING A BEARING OF N 0°45'33" E AS SHOWN ON 151 MAPS 3

SHEET LIST TABLE	
Sheet Number	Sheet Title
C0.1	GENERAL NOTES
C1.0	DEMOLITION PLAN
C2.0	EROSION CONTROL PLAN
C2.1	EROSION CONTROL DETAILS
C3.0	HORIZONTAL CONTROL PLAN
C3.1	HORIZONTAL CONTROL PLAN
C4.0	GRADING AND DRAINAGE
C4.1	GRADING AND DRAINAGE
C5.0	UTILITY PLAN
C6.0	DETAILS
C6.1	DETAILS

REGISTERED PROFESSIONAL ENGINEER
Ahmed Zuwawa
RCE NO. 92059
CIVIL
STATE OF CALIFORNIA

DLRGROUP

BATTLES BEARS

BATTLES ES - TK/K BUILDING
Santa Maria-Bonita School District
605 E Battles Rd, Santa Maria, CA 93454

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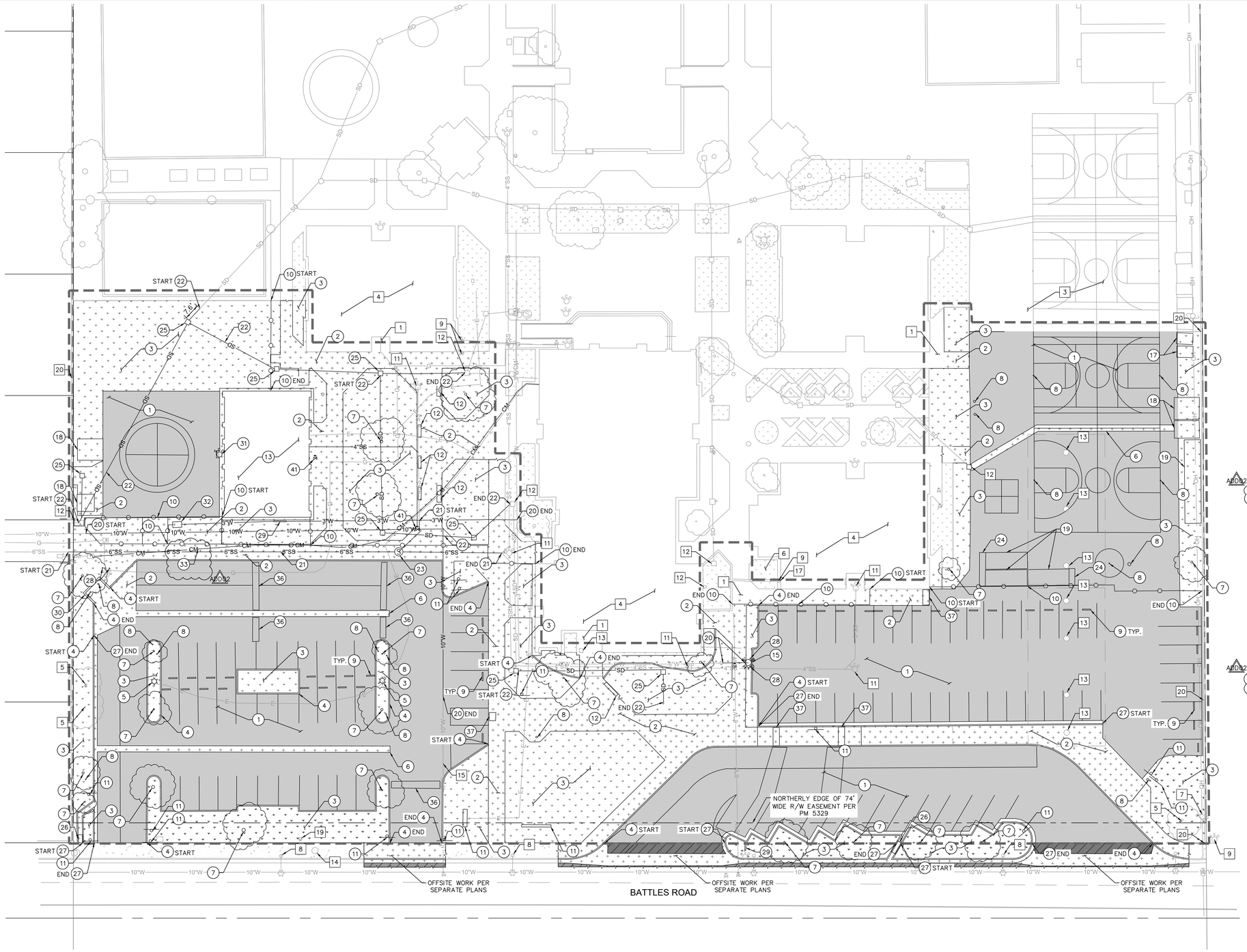
GENERAL NOTES

C0.1



LEGEND

- PROPERTY LINE
- LOT LINE
- CENTERLINE
- CIVIL LIMIT OF WORK LINE
- SAWCUT LINE
- CLEAR AND GRUB EXISTING LANDSCAPE AREA
- REMOVE EXISTING CONCRETE AND BASE COURSE INCLUDING REBAR
- REMOVE EXISTING ASPHALT PAVEMENT

DEMOLITION NOTES

1. REMOVE AND PROPERLY DISPOSE OF EXISTING ASPHALT AND BASE COURSE
2. REMOVE AND PROPERLY DISPOSE OF EXISTING CONCRETE AND BASE COURSE INCLUDING REBAR
3. CLEAR AND GRUB EXISTING LANDSCAPE AREA
4. REMOVE AND PROPERLY DISPOSE OF EXISTING CONCRETE CURB INCLUDING REBAR IF ENCOUNTERED
5. REMOVE AND PROPERLY DISPOSE OF EXISTING LIGHT POST INCLUDING FOUNDATION
6. REMOVE AND PROPERLY DISPOSE OF EXISTING GUTTER
7. REMOVE AND PROPERLY DISPOSE OF EXISTING TREE INCLUDING ROOT MASS
8. REMOVE AND PROPERLY DISPOSE OF EXISTING POST AND FOUNDATION
9. REMOVE AND PROPERLY DISPOSE OF EXISTING WHEEL STOP
10. REMOVE AND PROPERLY DISPOSE OF EXISTING FENCE AND FOUNDATION
11. REMOVE AND PROPERLY DISPOSE OF EXISTING SIGN AND FOUNDATION
12. REMOVE AND PROPERLY DISPOSE OF EXISTING BENCH
13. REMOVE AND PROPERLY DISPOSE OF EXISTING BUILDING
14. REMOVE AND PROPERLY DISPOSE OF EXISTING OFFSITE WATER LINE PER SEPARATE PERMIT WITH CITY OF SANTA MARIA
15. RELOCATE EXISTING FIRE HYDRANT. REFER TO C5.0 UTILITY PLAN FOR MORE INFORMATION.
16. NOT USED
17. REMOVE AND PROPERLY DISPOSE OF EXISTING TABLE
18. RELOCATE EXISTING SHED. CONTRACTOR TO COORDINATE RELOCATION WITH SCHOOL DISTRICT.
19. REMOVE EXISTING CONTAINER. CONTRACTOR TO COORDINATE DISPOSAL WITH SCHOOL DISTRICT.
20. REMOVE AND PROPERLY DISPOSE OF EXISTING WATER LINE PER SEPARATE PERMIT. CAP AND PROTECT EXISTING WATER LINE TO REMAIN.
21. REMOVE AND PROPERLY DISPOSE OF EXISTING SEWER LINE
22. REMOVE AND PROPERLY DISPOSE OF EXISTING STORM DRAIN LINE
23. REMOVE AND PROPERLY DISPOSE OF EXISTING MANHOLE
24. REMOVE AND PROPERLY DISPOSE OF EXISTING RAMP
25. REMOVE AND PROPERLY DISPOSE OF EXISTING CATCH BASIN
26. REMOVE AND PROPERLY DISPOSE OF EXISTING DIAMOND PLATE
27. REMOVE AND PROPERLY DISPOSE OF EXISTING CURB AND GUTTER INCLUDING REBAR IF ENCOUNTERED
28. REMOVE AND PROPERLY DISPOSE OF EXISTING BOLLARD AND FOUNDATION
29. REMOVE AND PROPERLY DISPOSE OF EXISTING BACKFLOW PREVENTER
30. REMOVE AND PROPERLY DISPOSE OF EXISTING WALL AND FOUNDATION INCLUDING REBAR IF ENCOUNTERED
31. REMOVE AND PROPERLY DISPOSE OF EXISTING SEWER CLEANOUT
32. REMOVE AND RELOCATE EXISTING WATER METER PER SEPARATE PERMIT (ADD#2)
33. REMOVE EXISTING UNDERGROUND COMMUNICATION LINE. COORDINATE WITH OWNER'S FIBER OPTIC SERVICE VENDOR. REFER TO ES1.1 FOR MORE INFORMATION
34. NOT USED
35. NOT USED
36. REMOVE AND PROPERLY DISPOSE OF EXISTING SPEED BUMP
37. REMOVE AND PROPERLY DISPOSE OF EXISTING TRUNCATED DOMES
38. NOT USED
39. NOT USED
40. NOT USED
41. REMOVE AND PROPERLY DISPOSE OF EXISTING WATER VALVE

PROTECTION NOTES

1. PROTECT–IN–PLACE EXISTING CONCRETE
2. PROTECT–IN–PLACE EXISTING CURB
3. PROTECT–IN–PLACE EXISTING ASPHALT
4. PROTECT–IN–PLACE EXISTING BUILDING
5. PROTECT–IN–PLACE EXISTING TREE
6. PROTECT–IN–PLACE EXISTING LANDSCAPE
7. PROTECT–IN–PLACE EXISTING POWER POLE. CONTRACTOR TO ADJUST TO FINAL GRADE.
8. PROTECT–IN–PLACE EXISTING LIGHT POLE. CONTRACTOR TO ADJUST TO FINAL GRADE.
9. PROTECT–IN–PLACE EXISTING WATER STRUCTURE. CONTRACTOR TO ADJUST TO FINAL GRADE.
10. PROTECT–IN–PLACE EXISTING CURB AND GUTTER
11. PROTECT–IN–PLACE EXISTING SEWER CLEANOUT. CONTRACTOR TO ADJUST TO FINAL GRADE.
12. PROTECT–IN–PLACE EXISTING CATCH BASIN. CONTRACTOR TO ADJUST TO FINAL GRADE.
13. PROTECT–IN–PLACE EXISTING COLUMN
14. PROTECT–IN–PLACE EXISTING MANHOLE. CONTRACTOR TO ADJUST TO FINAL GRADE. (ADD#2)
15. PROTECT–IN–PLACE EXISTING 10" WATER LINE. CONTRACTOR TO VERIFY IN FIELD.
16. NOT USED
17. PROTECT–IN–PLACE EXISTING BOLLARD. CONTRACTOR TO ADJUST TO FINAL GRADE.
18. PROTECT–IN–PLACE EXISTING UNDERGROUND STORM DRAIN LINE
19. PROTECT–IN–PLACE EXISTING IRRIGATION CONTROL VALVE. CONTRACTOR TO ADJUST TO FINAL GRADE.
20. PROTECT–IN–PLACE EXISTING WALL

GENERAL DEMOLITION NOTES

1. THE CONTRACTOR SHALL CLEAR THE PROJECT SITE AREA WITHIN THE CONFINES OF THE DEMOLITION LIMIT LINE. THE CONTRACTOR SHALL CAP IN PLACE ALL EXISTING UTILITIES AT THE DEMOLITION LIMIT LINE, UNLESS NOTED ON THE PLAN. THE CONTRACTOR SHALL DEMOLISH AND REMOVE FROM THE SITE ALL EXISTING UTILITY STRUCTURES, PLANTERS, TREES, AND ALL OTHER SITE FEATURES, UNLESS OTHERWISE NOTED ON THE PLAN.
2. DEMOLITION AND REMOVAL OF PAVEMENT INCLUDES PAVEMENT THICKNESS AS WELL AS BASE COURSE THICKNESS.
3. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIAL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS AND SHALL PAY ALL FEES NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION, AND DISPOSAL OF SAID MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF DEMOLITION WORK.
6. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING ABOVE AND UNDERGROUND UTILITIES. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE SHOWN FOR GENERAL INFORMATION ONLY.
7. DAMAGE TO ANY EXISTING UTILITIES AND SERVICES TO REMAIN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
8. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PREVENT DEBRIS AND UNSUITABLE MATERIALS FROM ENTERING STORM DRAINS, SANITARY SEWERS AND STREETS.
9. DUST CONTROL MEASURES SHALL BE IMPLEMENTED DURING DEMOLITION.
10. DEMOLITION IS LIMITED TO WITHIN THE DEMOLITION LIMIT LINE UNLESS OTHERWISE NOTED.
11. CONTRACTOR SHALL REMOVE DEMOLISHED MATERIALS FROM THE SITE AS WORK PROGRESSES.
12. THE DRAWINGS MAY NOT INDICATE IN DETAIL ALL DEMOLITION WORK TO BE PERFORMED. THE CONTRACTOR SHALL EXAMINE EXISTING CONDITIONS TO DETERMINE THE FULL EXTENT OF DEMOLITION.
13. ALL DEMOLITION SHALL COMPLY WITH CHAPTER 33 OF THE CALIFORNIA BUILDING CODE AND CHAPTER 33 OF THE CALIFORNIA FIRE CODE.
14. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
15. SEE EROSION CONTROL PLAN FOR REMAINING INLET PROTECTION AND EROSION PREVENTION.
16. CONTRACTOR TO INSTALL CHAIN LINK FENCE WITH MESH SCREEN TO PROTECT PUBLIC FROM ENTERING CONSTRUCTION AREA.
17. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF EXISTING FACILITIES.
18. THIS PLAN IS NOT INTENDED TO BE A COMPLETE CATALOGUE OF ALL EXISTING STRUCTURES AND UTILITIES. THIS PLAN INTENDS TO DISCLOSE GENERAL INFORMATION KNOWN BY THE ENGINEER AND TO SHOW THE LIMITS OF THE AREA WHERE WORK WILL BE PERFORMED. THIS PLAN SHOWS THE EXISTING FEATURES TAKEN FROM A FIELD SURVEY, FIELD INVESTIGATIONS AND OTHER AVAILABLE INFORMATION. THIS PLAN MAY OR MAY NOT ACCURATELY REFLECT THE TYPE OR EXTENT OF THE ITEMS TO BE ENCOUNTERED AS THEY ACTUALLY EXIST. WHERE EXISTING FEATURES ARE NOT SHOWN, IT IS NOT IMPLIED THAT THEY ARE NOT TO BE DEMOLISHED OR REMOVED. THE CONTRACTOR SHALL PERFORM A THOROUGH FIELD INVESTIGATION AND REVIEW OF THE SITE WITHIN THE LIMIT OF WORK SHOWN IN THIS PLAN SET TO DETERMINE THE TYPE, QUANTITY AND EXTENT OF ANY AND ALL ITEMS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE EXTENT OF EXISTING STRUCTURES AND UTILITIES AND QUANTITY OF WORK INVOLVED IN REMOVING THESE ITEMS FROM THE SITE.
19. CONTRACTOR TO SAWCUT, DEMOLISH, AND REPLACE CONCRETE SIDEWALK TO NEAREST JOINT.
20. REFER TO MEP PLAN FOR REMOVAL AND RELOCATION EXTENTS OF DRY UTILITY INFRASTRUCTURE.

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

SCALE 1" = 20'
WHEN PRINTED FULL SIZE
30" X 42"

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DLRGROUP
© DLR Group

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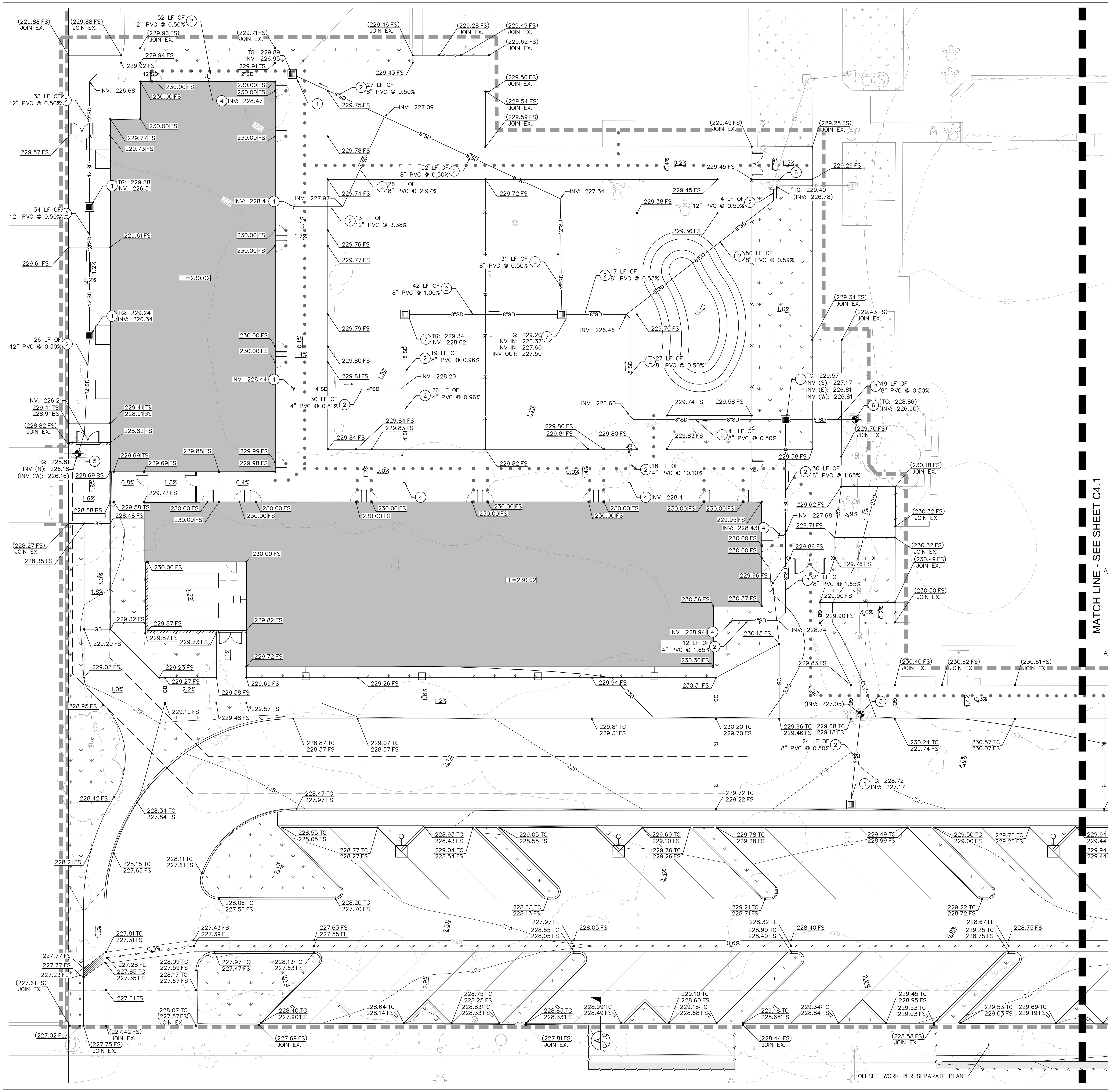
DEMOLITION PLAN

C1.0



LEGEND

— — —	PROPERTY LINE
———	LOT LINE
• • • • •	ACCESSIBLE ROUTE (LOCATION PURPOSES ONLY, DO NOT PAINT)
▬ ▬ ▬	CIVIL LIMIT OF WORK LINE
—⌇—⌇—	SAWCUT LINE
—— 84 ——	PROPOSED CONTOURS
— — 84 — —	EXISTING CONTOURS
—— R ——	PROPOSED RIDGE LINE
—— GB ——	PROPOSED GRADE BREAK
—— SD ——	PROPOSED STORM DRAIN LINE
—> —> —>	FLOW ARROWS
FFE	FINISH FLOOR ELEVATION
FG	FINISHED GRADE
FL	FLOWLINE
LIP	LIP OF GUTTER
TC	TOP OF CURB
TG	TOP OF GRATE
FS	FINISH SURFACE
(83.50 TC) (83.00 FS)	EXISTING GRADE
83.50 TC 83.00 FS	PROPOSED GRADE
X.X%	DIRECTION OF SLOPE
↓ ↓ ↓	LANDSCAPE

ESTIMATED EARTHWORK QUANTITIES

CUT: 350 CY

FILL: 1,825 CY

NET: 1,475 CY (FILL)

NOTE: THE EARTHWORK QUANTITIES ABOVE ARE FOR PERMIT PURPOSES ONLY. THE CONTRACTOR IS NOT AUTHORIZED TO USE THE ESTIMATES HEREIN FOR BIDDING AND CONSTRUCTION PURPOSES WITHOUT THE EXPLICIT WRITTEN PERMISSION OF THE ENGINEER OF RECORD. NO REPRESENTATIONS OF SUCH QUANTITIES OR A BALANCED SITE CONDITION ARE MADE BY THE ENGINEER OF RECORD.

UNLESS EXPLICITLY STATED OTHERWISE HEREIN, THE ABOVE QUANTITIES ARE APPROXIMATE, IN PLACE VOLUMES CALCULATED FROM THE EXISTING GROUND TO THE PROPOSED FINISHED GRADE. EXISTING GROUND IS DEFINED BY THE CONTOURS AND SPOT GRADES ON THE BASE SURVEY. PROPOSED FINISHED GRADE IS DEFINED AS THE FINAL GRADE AS INDICATED ON THE GRADING PLAN(S) AS FINISHED GROUND, FINISHED SURFACE, AND FINISHED FLOOR ELEVATIONS.

UNLESS EXPLICITLY STATED OTHERWISE HEREIN, THE ABOVE GRADING QUANTITIES HAVE NOT BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE TO BULKING, CLEARING AND GRUBBING, SHRINKAGE, SUBSIDENCE, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS. NOR DO THEY ACCOUNT FOR THE THICKNESS OF PAVEMENT SECTIONS, STORMWATER QUALITY MEDIA SECTIONS, UTILITY PIPES, TRENCHING AND BEDDING MATERIALS, BUILDING OR WALL FOOTINGS, BUILDING SLAB THICKNESSES AND UNDERLYING BASE OR SAND LAYERS, REUSE OF PULVERIZED MATERIALS THAT WILL UNDERLIE NEW PAVEMENTS, ETC.

ANY OVEREXCAVATION AND RECOMPACTION DEPTHS AND VOLUMES, SHRINKAGE FACTORS, PAVEMENT SECTIONS, BUILDING PAD SECTIONS, AND BULKING FACTORS ARE BASED ON A SEPARATE GEOTECHNICAL REPORT. ANY BUILDING SLAB THICKNESSES ARE BASED ON THE SEPARATE BUILDING STRUCTURAL ENGINEERING PLANS. ANY UTILITY, STORMWATER MITIGATION, AND FOOTING SPOILS ARE BASED ON ESTIMATES PROVIDED BY THE OWNER OR CONTRACTOR.

ADD02

GENERAL NOTE

CONTRACTOR SHALL CONSTRUCT GRAVITY UTILITIES (STORM DRAIN) BEFORE OTHER UTILITIES. CONSTRUCTION OF THESE GRAVITY UTILITIES TO START FROM THE DOWNSTREAM ENDS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

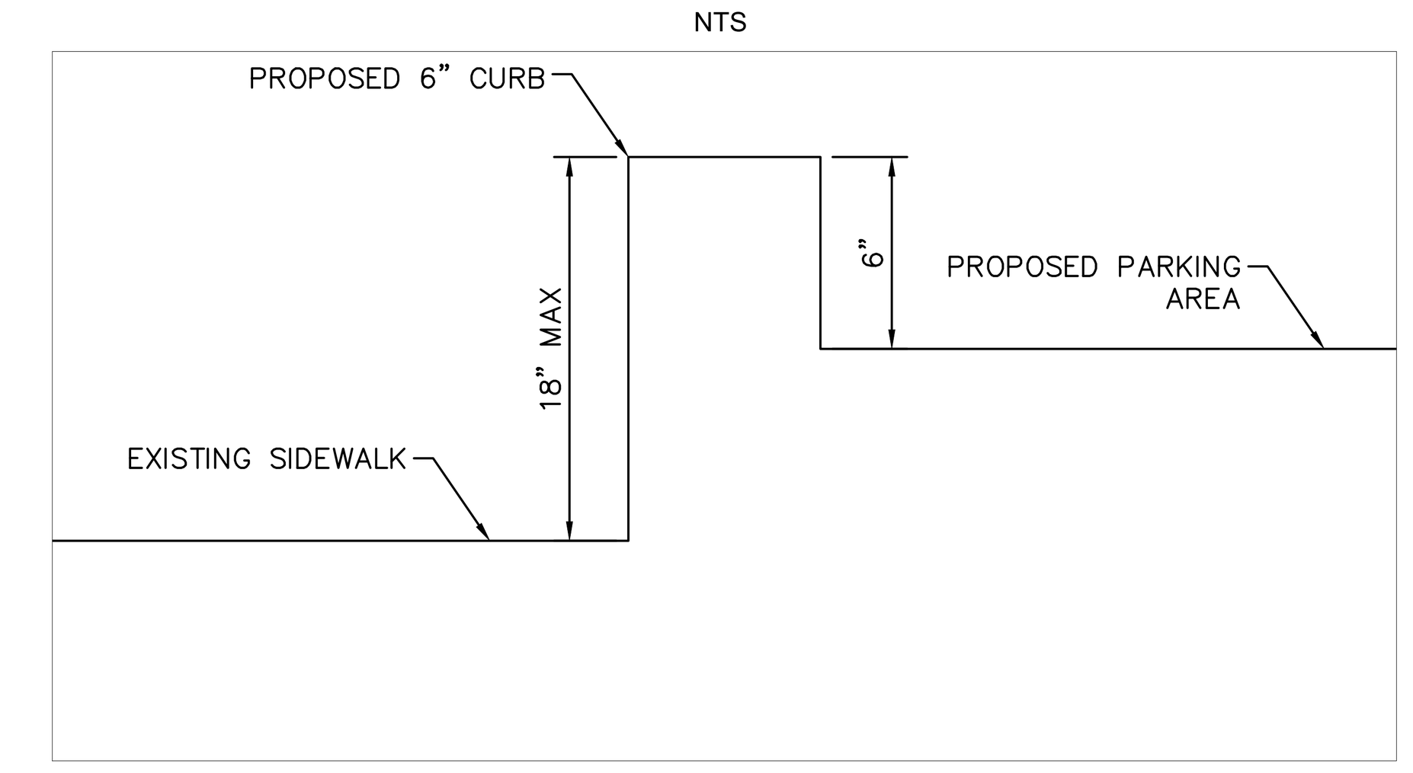
ADD02

DRAINAGE NOTES

1. PROPOSED 18" X 18" CATCH BASIN PER DETAIL 8, SHEET C6.0
2. PROPOSED STORM DRAIN PIPE; SIZE PER PLAN. INSTALL SDR35 FOR PIPE SIZE <8" AND HDPE DUAL WALL FOR PIPE SIZE >12". PIPE BEDDING AND TRENCHING PER DETAIL 9, SHEET C6.0
3. PROPOSED CONNECTION TO EXISTING STORM DRAIN LINE. CONTRACTOR TO CONFIRM EXISTING INVERT PRIOR TO CONSTRUCTION.
4. BUILDING POINT OF CONNECTION. REFER TO PLUMBING PLANS FOR CONTINUATION.
5. REPLACE EXISTING GRATE WITH ACCESIBLE GRATE PER DETAIL 8, SHEET C6.0.
6. PROPOSED CONNECTION TO EXISTING CATCH BASIN. CONTRACTOR TO CONFIRM EXISTING INVERT PRIOR TO CONSTRUCTION.
7. PROPOSED 18"x18" OPEN BOTTOM CATCH BASIN PER DETAIL 3, SHEET C6.1.

CROSS SECTION A

NTS



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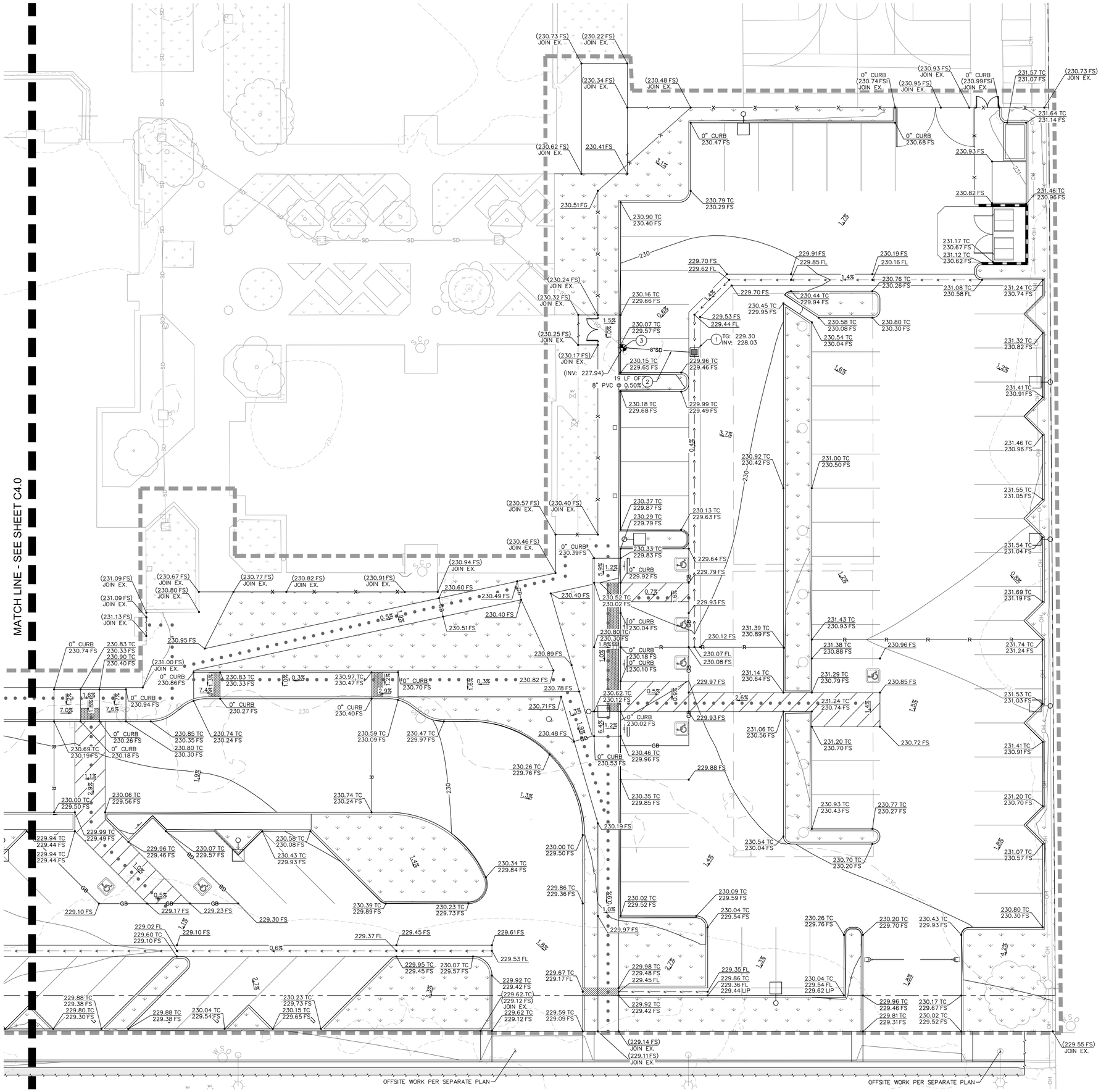
GRADING AND DRAINAGE



LEGEND

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	LOT LINE
	ACCESSIBLE ROUTE (LOCATION PURPOSES ONLY, DO NOT PAINT)
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	SAWCUT LINE
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(83.50 TC) (83.00 FS)	EXISTING GRADE
83.50 TC 83.00 FS	PROPOSED GRADE
X.X%	DIRECTION OF SLOPE
	LANDSCAPE

GENERAL NOTE

CONTRACTOR SHALL CONSTRUCT GRAVITY UTILITIES (STORM DRAIN) BEFORE OTHER UTILITIES. CONSTRUCTION OF THESE GRAVITY UTILITIES TO START FROM THE DOWNSTREAM ENDS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

DRAINAGE NOTES

A2D02

1. PROPOSED 18" X 18" CATCH BASIN PER DETAIL 8, SHEET C6.0
2. PROPOSED STORM DRAIN PIPE; SIZE PER PLAN. INSTALL SDR35 FOR PIPE SIZE <8" AND HDPE DUAL WALL FOR PIPE SIZE >12". PIPE BEDDING AND TRENCHING PER DETAIL 9, SHEET C6.0
3. PROPOSED CONNECTION TO EXISTING STORM DRAIN LINE. CONTRACTOR TO CONFIRM EXISTING INVERT PRIOR TO CONSTRUCTION.
4. BUILDING POINT OF CONNECTION. REFER TO PLUMBING PLANS FOR CONTINUATION.
5. REPLACE EXISTING GRATE WITH ACCESIBLE GRATE PER DETAIL 8, SHEET C6.0.
6. PROPOSED CONNECTION TO EXISTING CATCH BASIN. CONTRACTOR TO CONFIRM EXISTING INVERT PRIOR TO CONSTRUCTION.
7. PROPOSED 18"x18" OPEN BOTTOM CATCH BASIN PER DETAIL 3, SHEET C6.1.

NORTH

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SCALE 1" = 10'
WHEN PRINTED FULL SIZE
30" X 42"

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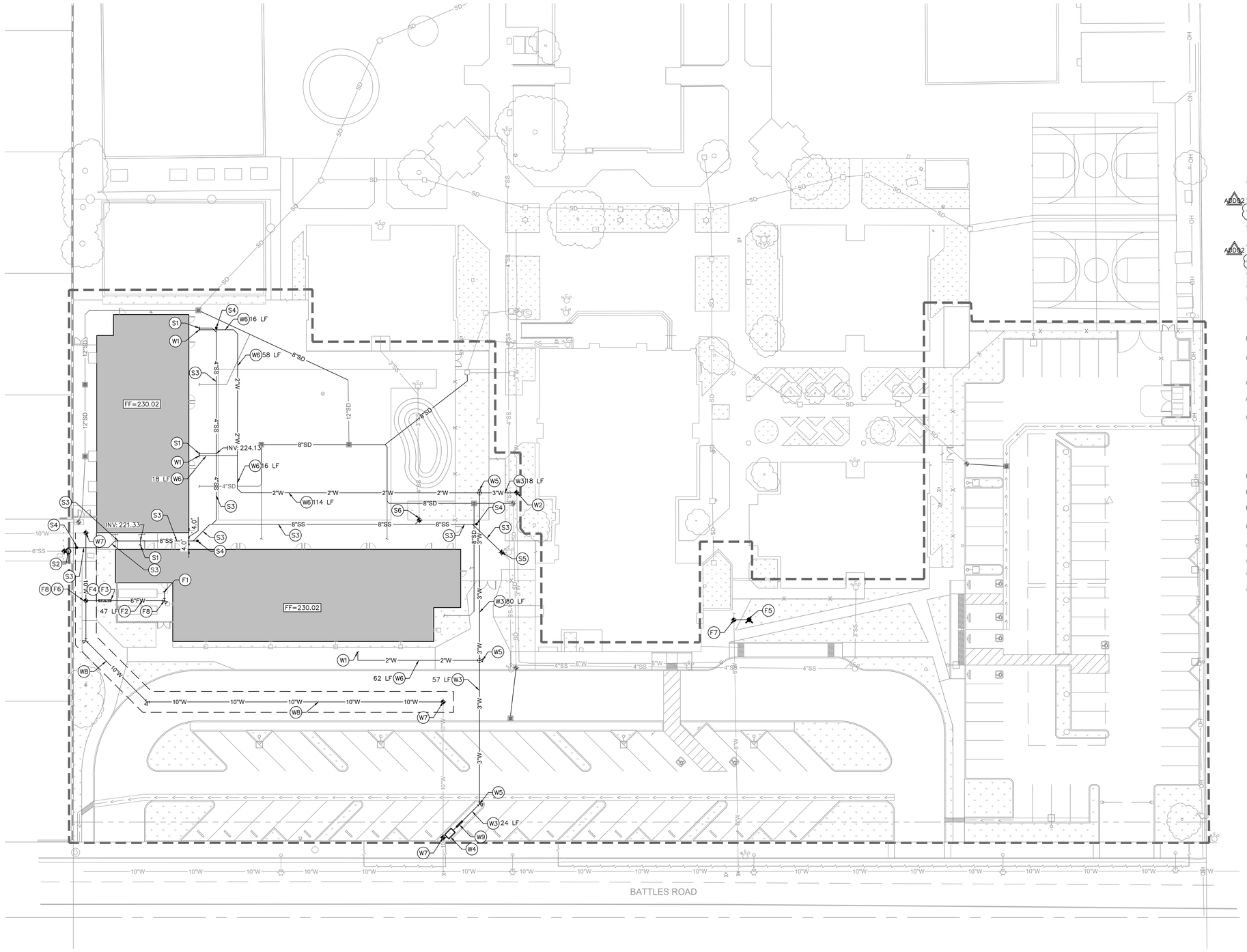
GRADING AND DRAINAGE

C4.1



LEGEND

- PROPERTY LINE
- LOT LINE
- CIVIL LIMIT OF WORK LINE
- W — PROPOSED WATER LINE
- SS — PROPOSED SEWER LINE
- SD — PROPOSED STORM DRAIN LINE
- FW — PROPOSED FIRE WATER LINE
- PROPOSED LANDSCAPE AREA

DOMESTIC WATER

- W1 BUILDING POINT OF CONNECTION (5-FT FROM BUILDING FACE). REFER TO PLUMBING PLAN FOR CONTINUATION
- ADD#2 W2 POINT OF CONNECTION TO EXISTING 3" WATER MAIN
- W3 INSTALL 3" SCHEDULE 80 PVC C900 WATER LINE. TRENCHING PER DETAIL 9, SHEET C6.0.
- W4 COORDINATE RELOCATION OF EXISTING WATER METER WITH LOCAL WATER PURVEYOR PER SEPARATE PERMIT.
- ADD#2 W5 INSTALL PVC C900, CLASS 200, BEND WITH THRUST BLOCK. SIZE PER PLAN. ANGLE PER PLAN. SEE DETAIL 1, SHEET C6.1.
- W6 INSTALL 2" SCHEDULE 80 PVC WATER LINE. TRENCHING DETAIL 9, SHEET C6.0.
- W7 CONNECT TO EXISTING 10" WATER LINE PER SEPARATE PERMIT.
- W8 INSTALL 10" SCHEDULE 40 PVC WATER LINE PER SEPARATE PERMIT.
- W9 INSTALL BACKFLOW PREVENTER PER SEPARATE PERMIT.

SANITARY SEWER

- S1 BUILDING POINT OF CONNECTION (5-FT FROM BUILDING FACE). REFER TO PLUMBING PLAN FOR CONTINUATION
- S2 PROPOSED WYE CONNECTION TO EXISTING SEWER MAIN PER SEPARATE PERMIT. INSTALL 8"X6" FITTING ON PRIVATE LATERAL UPSTREAM OF CLEANOUT AND WYE CONNECTION.
- S3 INSTALL SDR-35 PVC SANITARY SEWER LATERAL. SIZE PER PLAN. TRENCHING PER DETAIL 9, SHEET C6.0.
- S4 INSTALL SANITARY SEWER CLEANOUT PER DETAIL 2, SHEET C6.1.
- S5 POINT OF CONNECTION TO EXISTING 4" SANITARY SEWER LATERAL. CONTRACTOR TO POTHOLE AND VERIFY DEPTH OF LINE PRIOR TO THE START OF CONSTRUCTION. NOTIFY CIVIL ENGINEER OF ANY DISCREPANCIES.

FIRE WATER

- F1 BUILDING POINT OF CONNECTION (5-FT FROM BUILDING FACE). REFER TO FIRE PROTECTION PLANS PLANS FOR CONTINUATION
- F2 INSTALL 6" PVC C900 FIRE WATER LINE. TRENCH PER DETAIL 9, SHEET C6.0.
- F3 INSTALL 6" FEBCO MASTERSERIES LF876V BACKFLOW PREVENTER PER DETAIL 10, SHEET C6.0, OR APPROVED EQUAL.
- F4 INSTALL FIRE DEPARTMENT CONNECTION PER DETAIL 7, SHEET C6.1. MOUNT TO BACKFLOW PREVENTER
- F5 INSTALL FIRE HYDRANT PER CITY OF SANTA MARIA STANDARD DRAWING WA-31, SHOWN IN DETAIL 4, SHEET C6.1, PER SEPARATE PERMIT.
- F6 CONNECT TO 10" WATER LINE PER SEPARATE PERMIT.
- F7 POINT OF CONNECTION TO EXISTING 6" WATER LINE LATERAL PER SEPARATE PERMIT.
- F8 INSTALL PVC C900, CLASS 200, BEND WITH THRUST BLOCK. SIZE PER PLAN. ANGLE PER PLAN. SEE DETAIL 1, SHEET C6.1.

EXISTING UTILITY NOTE

THE EXISTING UTILITIES SHOWN ON THE PLAN ARE BASED ON AVAILABLE RECORDS. THE CONTRACTOR MUST POTHOLE AND FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. REPORT DISCREPANCIES AND POTENTIAL CONFLICTS WITH PROPOSED UTILITIES TO CIVIL ENGINEER PRIOR TO INSTALLATION OF ANY PIPING.

GENERAL NOTE

CONTRACTOR SHALL CONSTRUCT GRAVITY UTILITIES (SEWER) BEFORE OTHER UTILITIES. CONSTRUCTION OF THESE GRAVITY UTILITIES TO START FROM THE DOWNSTREAM ENDS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

NORTH

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SCALE 1" = 20'
WHEN PRINTED FULL SIZE
30" X 42"

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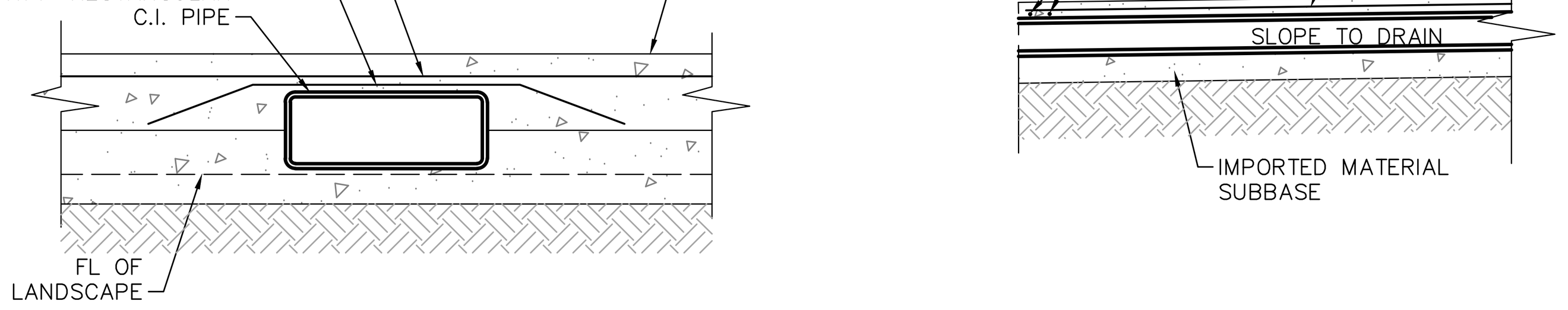
UTILITY PLAN

C5.0

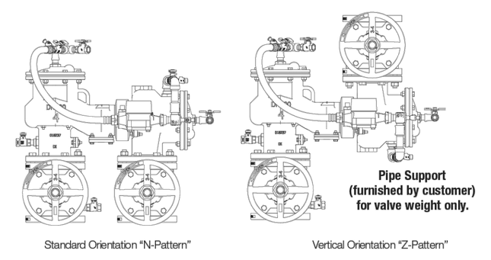


SIDEWALK DRAIN (11)
N.T.S.

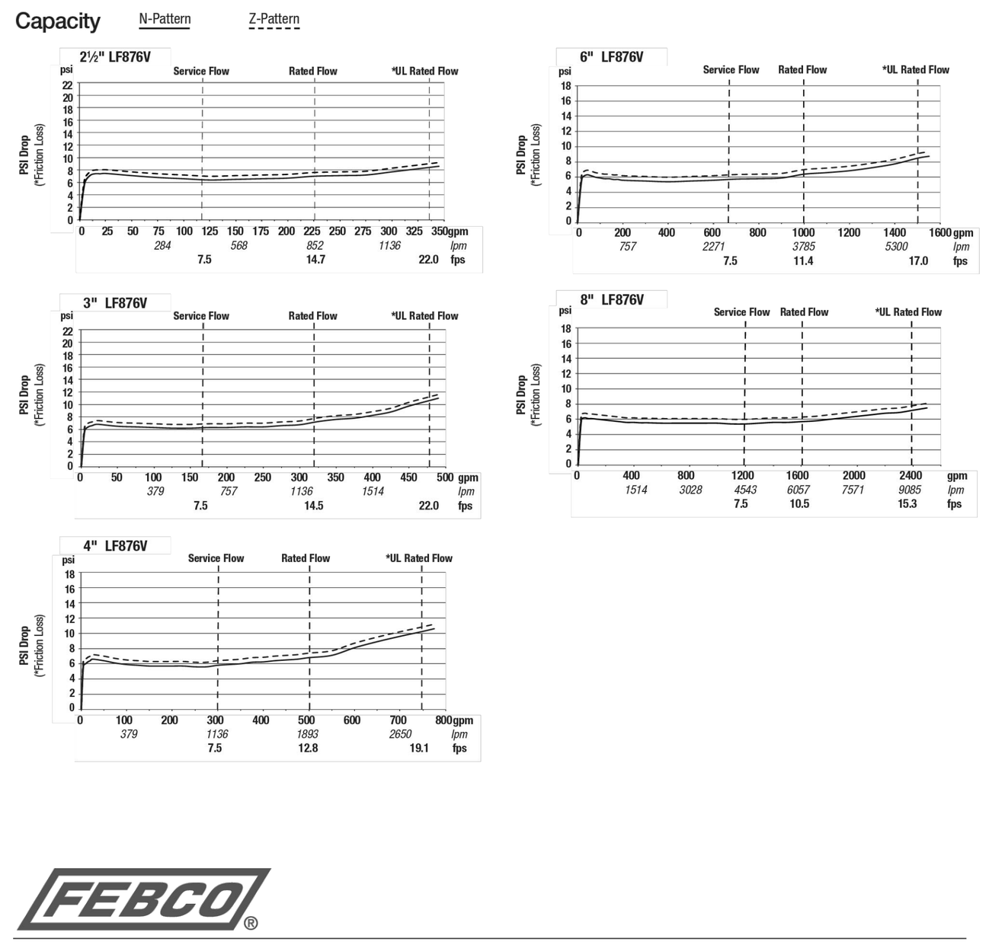
Performance

Flow capacity chart identifies valve performance based upon rated water Velocity up to 20fps

- Maximum service flow rate is determined by maximum rated Velocity of 7.5fps.
- AWWA Manual M-22 (Appendix C) recommends that the maximum water Velocity in the services be not more than 10fps.
- UL flow rate is determined by typically rated Velocity of 15 feet/sec.



Capacity



FEBCO® A WATTS Brand

USA: Tel: (800) 767-1234 • Fax: (800) 788-4491 • FEBCOonline.com
Canada: Tel: (905) 332-4090 • Fax: (905) 332-7068 • FEBCOonline.ca
Latin America: (52) 81-1001-8600 • Fax: (52) 81-8000-7091 • FEBCOonline.com

ES-F-LF876V 1515

ES-F-LF876V

For Non-Health Hazard Applications

Job Name ____ Contractor ____
Job Location ____ Approval ____
Engineer ____ Contractor's P.O. No. ____
Approval ____ Representative ____

LEAD FREE*

MasterSeries® LF876V

Double Check Detector Backflow Prevention Assemblies (Type II)

Size: 2½" - 8" (65mm - 200mm)

The FEBCO MasterSeries LF876V Double Check Detector Assembly is specifically designed to protect against possible backpressure and backsiphonage conditions for non-health hazard (i.e., pollutant) application in accordance with Local Governing Water Utility Code.

This Backflow Assembly is primarily used on potable drinking water systems and fire sprinkler systems, where Local Governing Code mandates protection from non-potable quality water being pumped or siphoned back into the potable water system.

Model LF876V Double Check Detector Assembly

Features

Main Valve:
- Inline Serviceable Assembly
- Horizontal "N-Pattern" Installations
- Vertical-Up "Z-Pattern" Installations
- No Special Tools Required for Servicing
- Captured Modular Spring Assembly
- Reversible & Replaceable Discs
- Field Replaceable Seats
- Ductile Iron Valve Body Design
- Stainless Steel Check Components
- Winterization feature with disc retainers and valve body drain ports
- Clapper Check Assembly
- Commonality between 1st & 2nd Check Components
- Captured O-ring Design

Auxiliary Bypass:
- Compact Bypass Design; Remains within Main Valve Assembly Profile
- Inline Serviceable ¾" Backflow Assembly
- No Special Tools Required for Servicing
- Field Replaceable Seats & Discs
- Detect Potential Underground Water Leaks
- Detect Unauthorized Water Usage

Specifications

The FEBCO MasterSeries LF876V Double Check Detector Valve Assembly shall be installed on the potable water supply and at each point of cross-connection to protect against possible backpressure and backsiphonage conditions for non-health hazard (i.e., pollutant) applications. The assembly shall consist of a main line valve body composed of two (2) independently acting approved clapper style check modules with replaceable seats and disc rubbers. Servicing of both check modules does not require any special tools and are accessed through independent top entry covers. This assembly shall be fitted with approved UL/FM inlet/outlet resilient seated shutoff valves and contain four (4) properly located resilient seated test cocks as specified by AWWA Standard C510. The auxiliary bypass line contains a ⅝"x¾" Water Meter that complies with ANSI/AWWA Standard C700 coupled with an approved check assembly. The bypass line is designed to detect leaks or unauthorized water usage of the water system while protecting against possible backpressure and backsiphonage conditions for non-health hazard (i.e., pollutant) application. The assembly shall be approved for horizontal and/or vertical-up installations while meeting the requirements of AWWA Standard C510 flow and pressure loss performance parameters.

NOTICE

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

NOTICE

Inquire with governing authorities for local installation requirements

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

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

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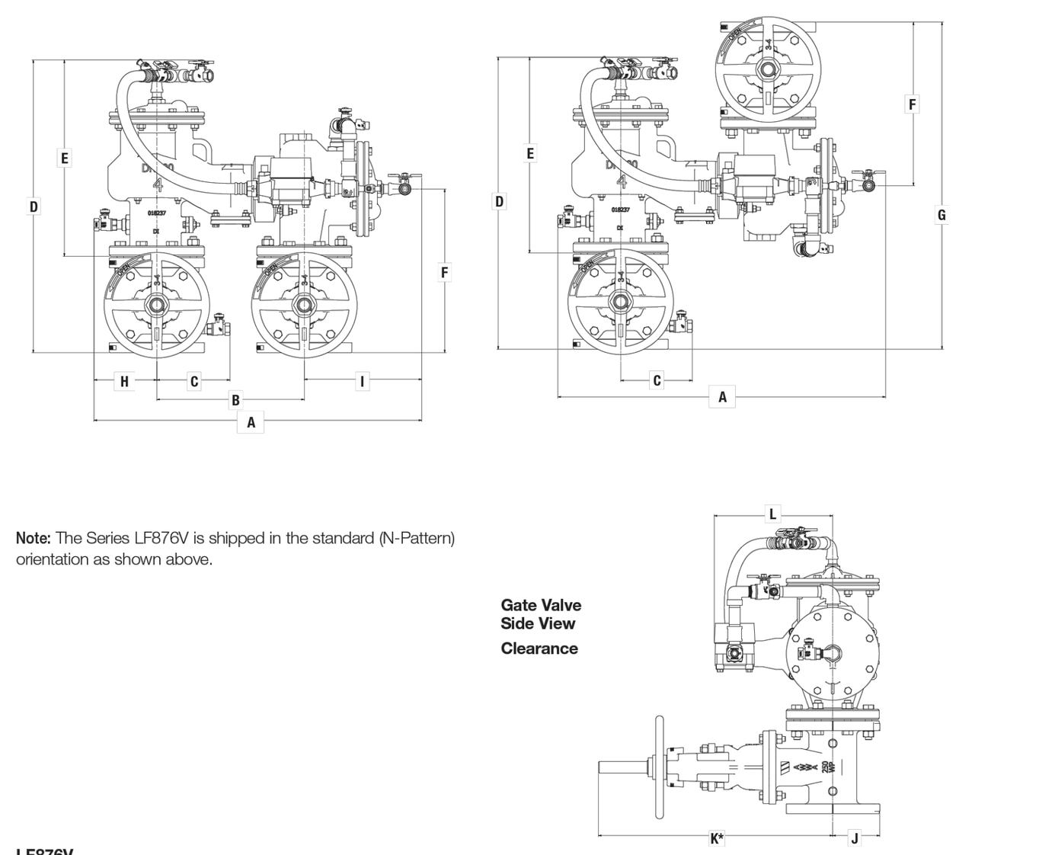
Dimensions – Weights

Size: 2½" - 8"

Below are the nominal dimensions and physical weights for the Model LF876V size 2½" through 8". Allowances must be made for normal manufacturing tolerances. Please visit our website to download a copy of this product's installation instructions, or contact your local FEBCO Representative for more information.

Model LF876V Standard Orientation (N-Pattern) **Model LF876V Vertical Orientation (Z-Pattern)**



Note: The Series LF876V is shipped in the standard (N-Pattern) orientation as shown above.

Gate Valve Side View Clearance

LF876V

SIZE (DN)		A		B		C		D		E		F		G		H		I		J		K*		L		WEIGHT** OSY	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg.
~~2½~~	~~65~~	~~29⅛~~	~~740~~	~~12½~~	~~318~~	~~6¼~~	~~159~~	~~25¼~~	~~642~~	~~17½~~	~~445~~	~~13⅝~~	~~346~~	~~27¼~~	~~692~~	~~5½~~	~~140~~	~~11⅛~~	~~283~~	~~3½~~	~~89~~	~~16⅜~~	~~416~~	~~11½~~	~~292~~	~~216~~	~~98~~
~~3~~	~~80~~	~~29⅛~~	~~740~~	~~12½~~	~~318~~	~~6¼~~	~~159~~	~~25¾~~	~~654~~	~~17¾~~	~~451~~	~~14⅛~~	~~359~~	~~28¼~~	~~718~~	~~5½~~	~~140~~	~~11⅛~~	~~283~~	~~3¾~~	~~95~~	~~22¼~~	~~565~~	~~11½~~	~~292~~	~~242~~	~~110~~
~~4~~	~~100~~	~~31⅛~~	~~791~~	~~14~~	~~356~~	~~7~~	~~178~~	~~27¾~~	~~705~~	~~18¾~~	~~476~~	~~15½~~	~~394~~	~~31~~	~~787~~	~~6~~	~~152~~	~~11⅛~~	~~283~~	~~4½~~	~~114~~	~~23¼~~	~~591~~	~~13~~	~~330~~	~~347~~	~~157~~
6	150	35¾	908	16	406	8	203	32¾	831	22⅛	562	18⅝	473	37¼	946	7¼	184	12½	316	5½	140	30⅛	765	13	330	529	240
~~8~~	~~200~~	~~40¾~~	~~1035~~	~~18½~~	~~470~~	~~9¼~~	~~235~~	~~36¾~~	~~933~~	~~25⅛~~	~~638~~	~~20¾~~	~~527~~	~~41½~~	~~1054~~	~~8½~~	~~216~~	~~14~~	~~356~~	~~6¾~~	~~172~~	~~37¾~~	~~959~~	~~14½~~	~~368~~	~~827~~	~~375~~

Notes:
* Indicates nominal dimensions with OSY Gate Valves (Full Open Position)
** Indicates weight of complete Backflow Assemblies with specified Gate Valves

Options - Suffix

OSY: UL/FM Approved OS&Y Gate Valves [ANSI/AWWA C515 Compliant]
CFM: Totalizing Cubic feet/min ⅝"x ¾" Water Meter [ANSI/AWWA C700 Compliant]
GPM: Totalizing Gallons/min ⅝"x ¾" Water Meter [ANSI/AWWA C700 Compliant]
LG: Less Shutoff valves; This is NOT an APPROVED ASSEMBLY

Example Ordering Description:
4" LF876V-OSY-GPM - Valve Assembly fitted with OS&Y Shutoff Valves & Gallons per Minute Water Meter
4" LF876V-OSY-CFM - Valve Assembly fitted with OS&Y Shutoff Valves & Cubic Feet per Minute Water Meter

Available Components
Wye Strainer: FDA Approved [ASME B16.1 Class 125 & AWWA Class D Flange]
Series 611 Valve Setter: MJ x MJ - Mechanical Joint x Mechanical Joint [AWWA C111/A21.11]
MJ x FL - Mechanical Joint x Flange [AWWA C111/A21.11; ASME B16.1 Class 125/AWWA Class D Flange]
FL x FL – Flange x Flange [ASME B16.1 Class 125 & AWWA Class D Flange]

Materials

Below is a general materials list of the Model LF876V. All assemblies size 2½" through 8" is similar in materials and construction. Please contact your local FEBCO Representative if you require further information.

Main Valve Body: Ductile iron Grade 65-45-12
Coating: Fusion epoxy coated internal and external AWWA C550-90
Shutoff Valves: OSY resilient wedge gate valve AWWA C515 (UL/FM)
Check Seats: Stainless Steel
Disc Holder: Stainless Steel
Elastomer Disc: Silicone
Spring: Stainless Steel
Clamp: AWWA C606

Approvals – Standards:

- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at The University of Southern California [FCCCHR-USC]
- ASSE 1048 Listed
- **UL Classified [US & Canada]
- **FM Approved
- IAPMO/cUPC
- AWWA Standard C510 Compliant
- End Connections: Compliant to ASME B16.1 Class 125 & AWWA Class D Flange

**Assembly configured with UL/FM Approved OS&Y RW Gate Valves. Less gate valve assemblies are not UL/FM approved configurations.

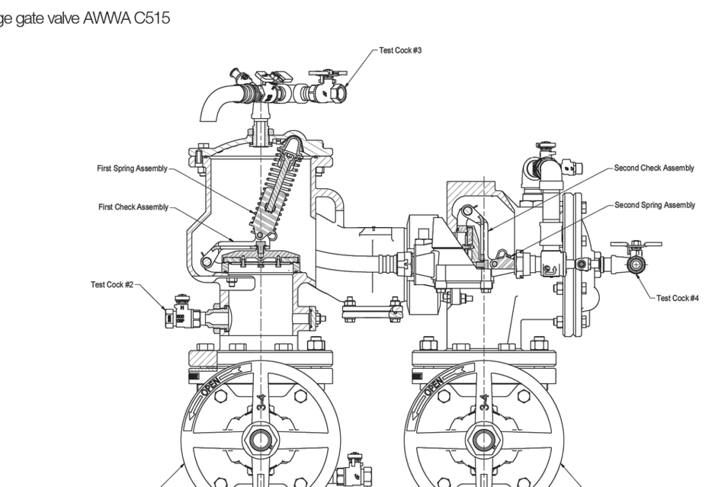
Assembly Flow Orientation:

Horizontal (N-Pattern 2½" – 8") - Approved by FCCCHR-USC, ASSE, cULus, FM, IAPMO/cUPC
Vertical Up (Z-Pattern 2½" – 8") - Approved by FCCCHR-USC, ASSE, cULus, FM, IAPMO/cUPC

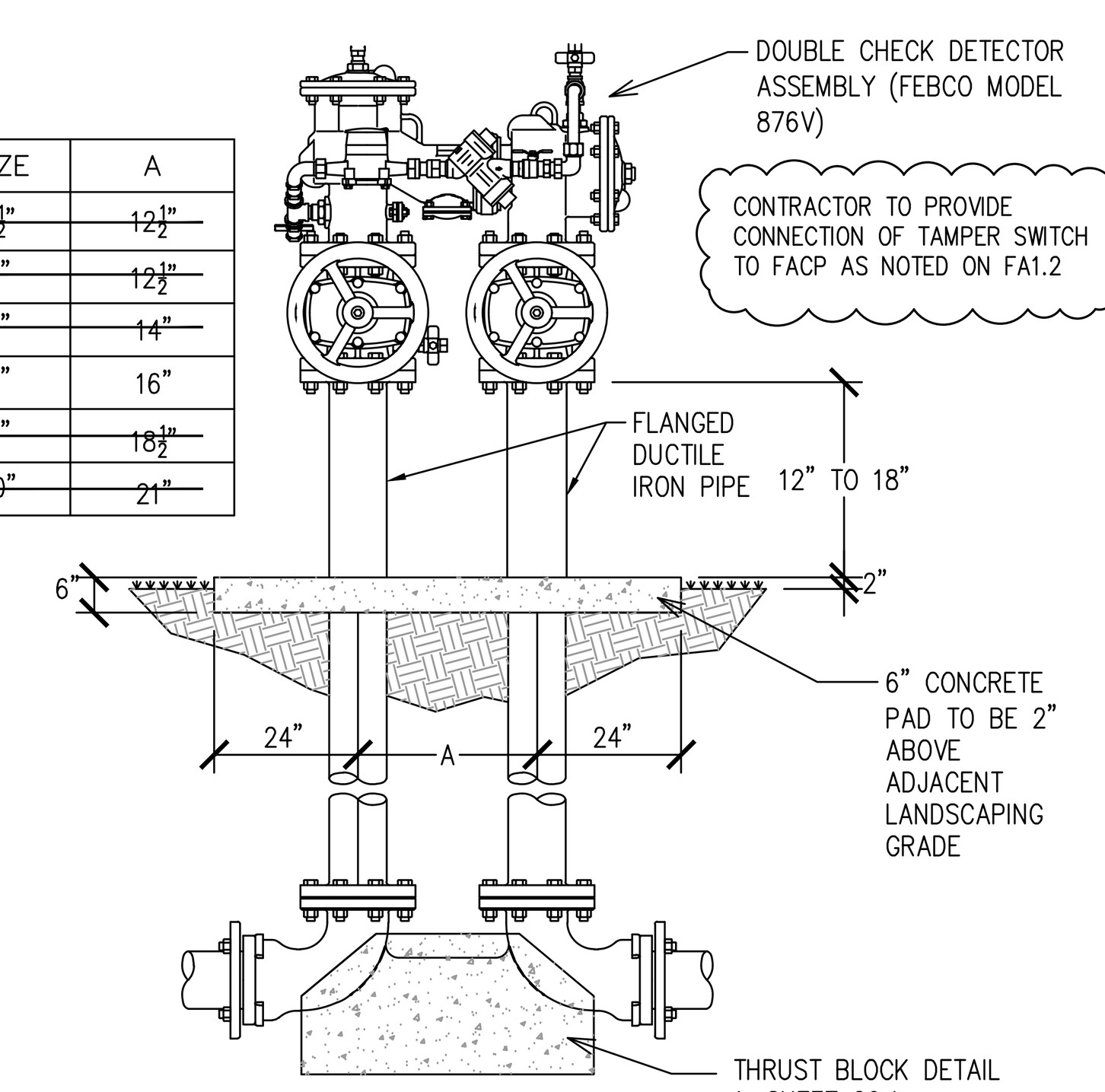
1048 B64.5

Pressure - Temperature

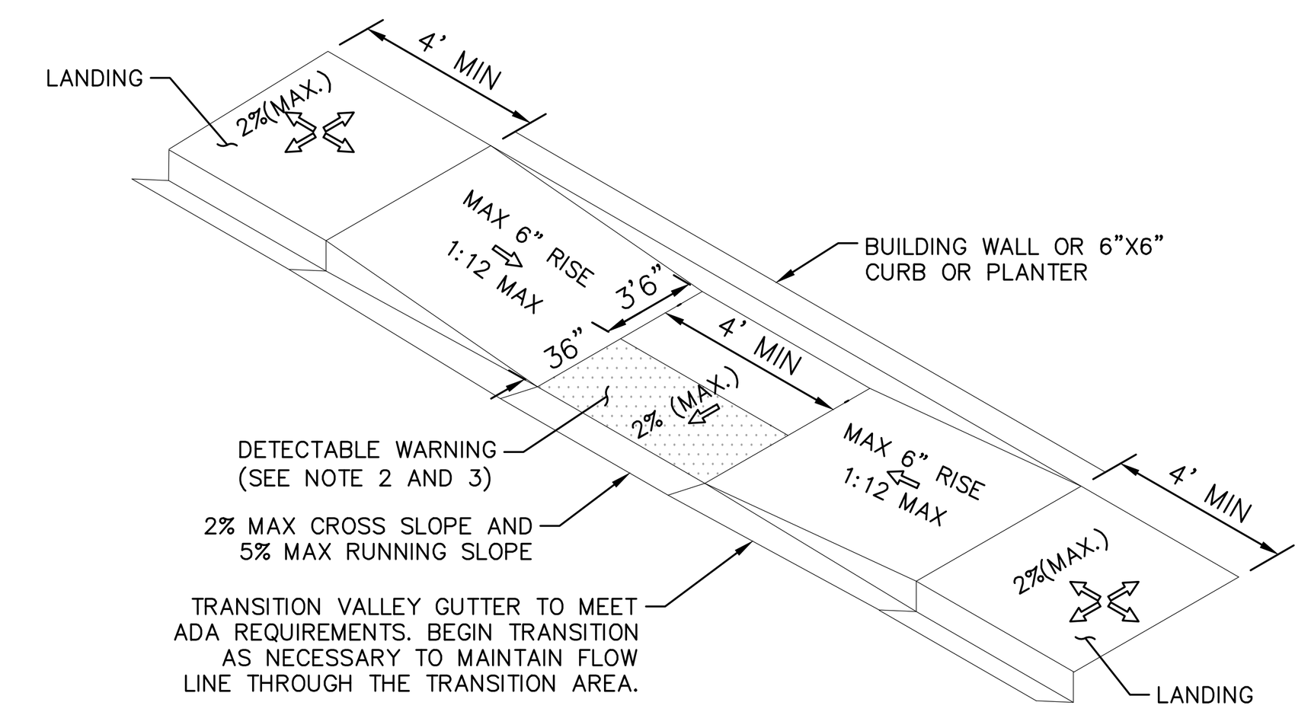
Max. Working Pressure: 175psi (12.1 bar)
Min. Working Pressure: 10psi (0.7 bar)
Hydrostatic Test Pressure: 350psi (24.1 bar)
Hydrostatic Safety Pressure: 700psi (48.3 bar)
Temperature Range: 33°F - 140°F [0.5°C- 60°C] Continuous



SIZE	A
~~2½"~~	~~12½"~~
~~3"~~	~~12½"~~
~~4"~~	~~14"~~
6"	16"
~~8"~~	~~18½"~~
~~10"~~	~~21"~~



DOUBLE CHECK DETECTOR VALVE (10)
N.T.S.

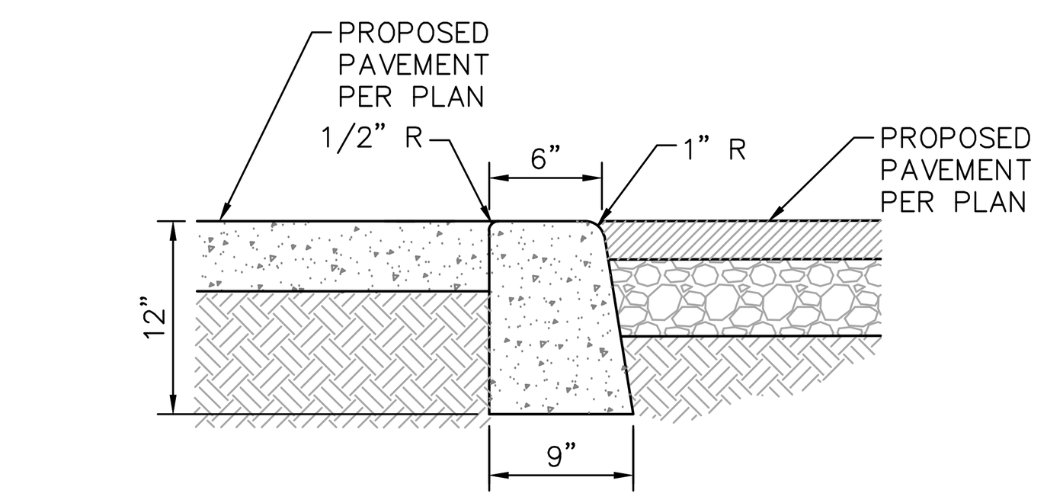


DOUBLE RAMP CURB RAMP

NOTES:

1. ALL ACCESSIBLE COMPONENTS CONSTRUCTED AS PART OF THESE PLANS SHALL COMPLY WITH THE LOCAL, STATE, AND FEDERAL REGULATIONS WHICHEVER ARE MORE STRINGENT.
2. CURB RAMPS SHALL HAVE A DETECTABLE WARNING EXTENDING THE FULL WIDTH OF THE CURB RAMP AND 3' DEEP. GROOVED SURFACES ON OUTDOOR CURB RAMPS ARE NOT PERMITTED. VERIFY LOCAL REQUIREMENTS WITH THE BUILDING DEPARTMENT. REFER TO TRUNCATED DOMES DETAIL AND REQUIREMENTS IN THE CALIFORNIA BUILDING CODE.
3. PARALLEL CURB RAMPS SHALL HAVE A DETECTABLE WARNING EXTENDING 36" DEEP ALONG THE FLUSH TRANSITION BETWEEN STREET AND SIDEWALK. REFER TO TRUNCATED DOMES DETAIL.
4. PUBLIC SIDEWALK CURB RAMPS CONSTRUCTED WITHIN A PUBLIC RIGHT- OF -WAY, IN ABSENCE OF LOCAL ROADWAY GUIDELINES, SHALL MEET OR EXCEED LOCAL REGULATIONS.
5. CURB RAMP SURFACES (FLARES AND RAMP) SHALL HAVE A DIFFERENT TEXTURE FROM THE SURROUNDING PAVEMENT.
6. CURB RAMPS SHALL BE CONCRETE WITH STRENGTH OF 2500 PSI.
7. INSTALL 1/4" EXPANSION JOINT FILLER MATERIAL BETWEEN A NEW CURB RAMP AND THE EXISTING SIDEWALKS.
8. WATER PONDING WITHIN THE CURB RAMP LIMITS IS NOT ALLOWED.
9. NO GRADE BREAK IS ALLOWED ALONG THE RAMP SURFACE.
10. CROSS SLOPE OF THE CURB RAMP SURFACE SHALL BE LESS THAN 2%.
11. TRANSITION CHANGE IN ELEVATION IS NOT TO EXCEED 1/2" WITHIN AN ACCESSIBLE ROUTE.
12. DIAGONAL CURB RAMP SIDE SLOPE VARIES UNIFORMLY FROM A MAXIMUM OF UP TO 10% AT CURB TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF THE RAMP.

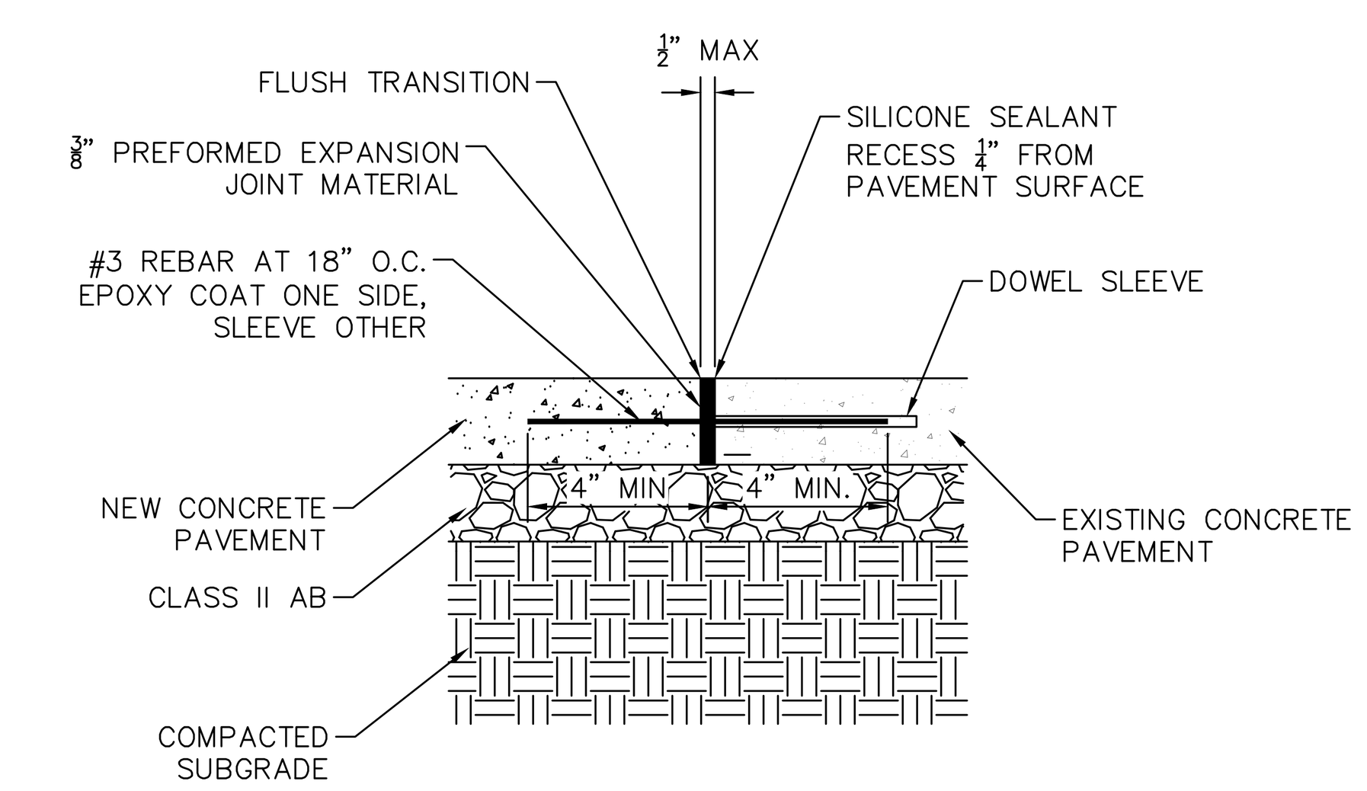
ACCESSIBLE RAMP DETAILS (7)
N.T.S.



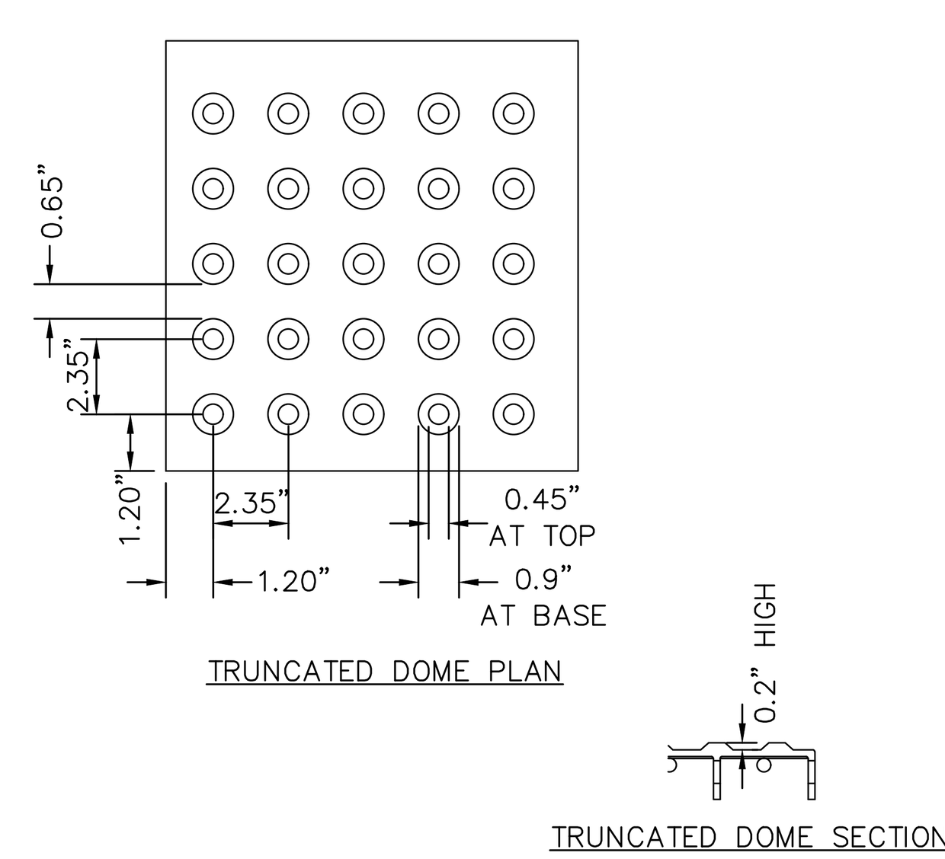
NOTES:

1. CONCRETE SHALL BE 3500 PSI.
2. ISOLATION JOINTS SHALL BE PLACED ONLY AS SPECIFIED
3. CONTRACTION JOINTS CONSISTING OF 1" DEEP SCORES SHALL BE PLACED AT 15' INTERVALS O.C.
4. WHERE A WALK IS ADJACENT TO THE CURB THE JOINTS SHALL ALIGN WITH JOINTS IN THE WALK.

0" CONCRETE CURB (4)
N.T.S.



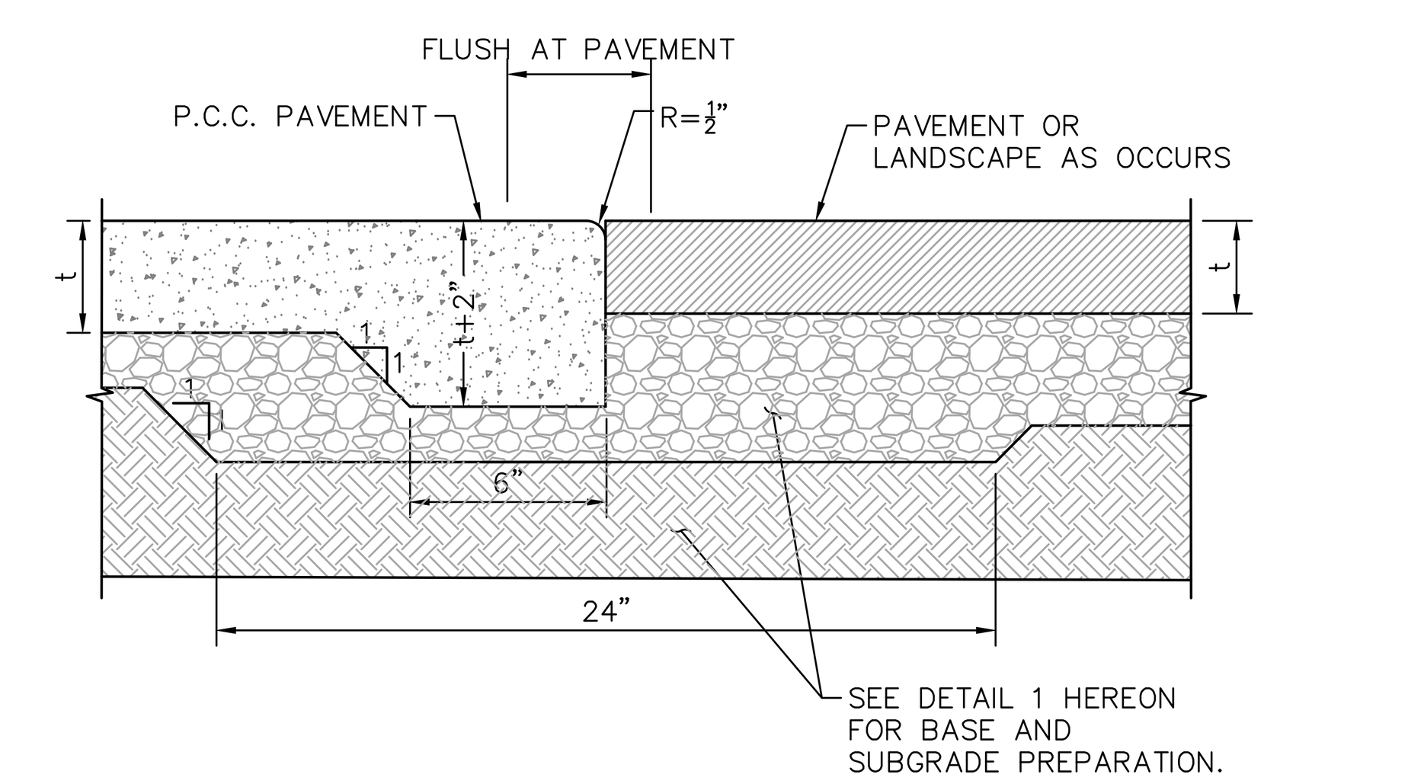
PROPOSED CONCRETE CONNECTION TO EXISTING CONCRETE (3)
N.T.S.



NOTES:

1. CONTRACTOR TO REFERENCE MANUFACTURERS GUIDELINES FOR INSTALLATION OF TRUNCATED DOMES.
2. COLOR TO BE YELLOW UNLESS NOTED OTHERWISE

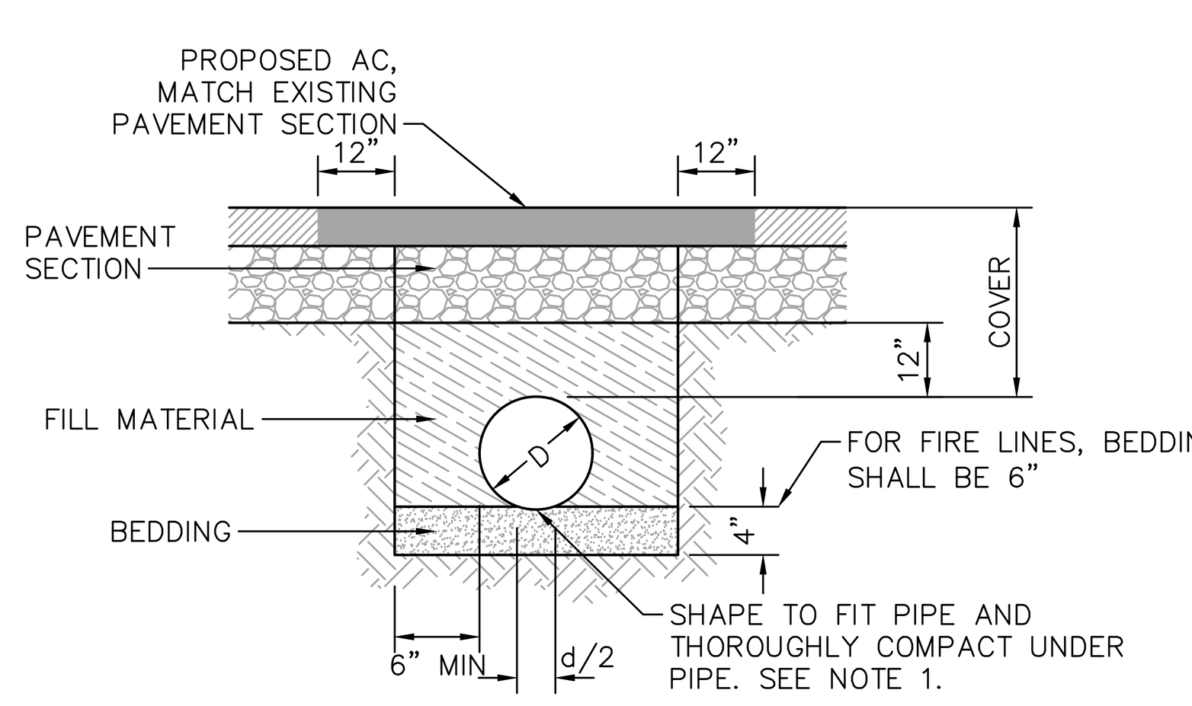
DETECTABLE WARNING (6)
N.T.S.



NOTES:

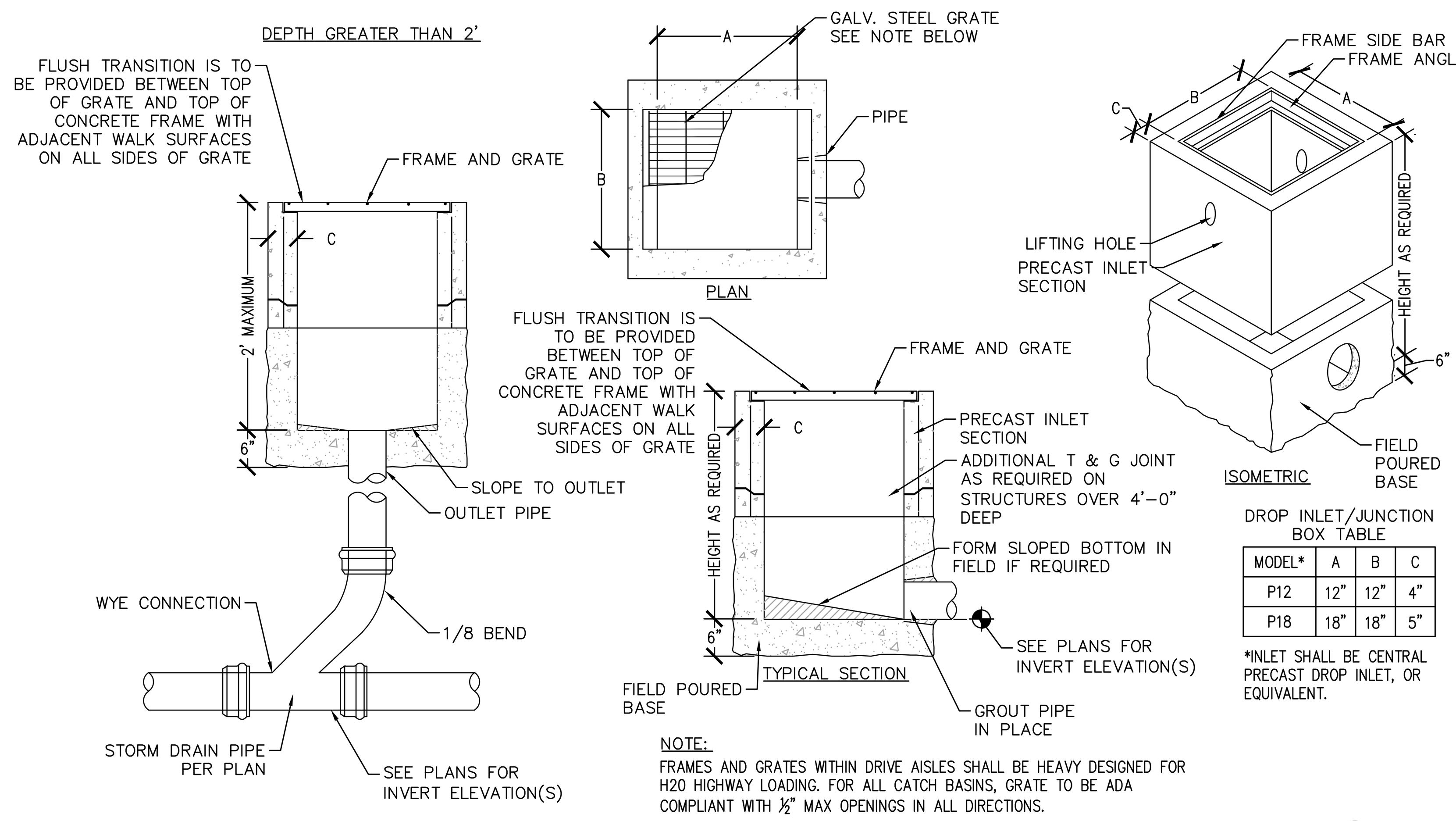
1. APPROVED BONDING AGENT SHALL BE APPLIED AT CONSTRUCTION JOINT.
2. SEE DETAIL 1 FOR PAVEMENT SECTION AND THICKNESS (t).
3. DETAIL APPLIES AT ALL SIDEWALK EDGE CONDITIONS AND PAVEMENT TRANSITIONS

THICKENED EDGE (2)
N.T.S.



NOTES	
BEDDING:	CLEAN COARSE SAND WITH SAND EQUIVALENT VALUE NOT LESS THAN 30
FILL MATERIAL:	GEOTECH APPROVED MATERIAL – MAXIMUM SIZE NOT TO EXCEED 1 1/2"
COVER:	36" MINIMUM,
NOTE 1:	EXCAVATE FOR BELLS OR HUBS SO FULL LOAD IS CARRIED BY PIPE BARRELS.
NOTE 2:	REFER TO GEOTECHNICAL REPORT FOR BEDDING RECOMMENDATIONS
NOTE 3:	PAVEMENT PATCH WORK SHALL COMPLY WITH 11B-302.1 AND 11B-303 FOR ALL PAVEMENT PATCH WORK IN PEDESTRIAN TRAVEL WAYS

PIPE TRENCHING AND BEDDING DETAIL (9)
N.T.S.



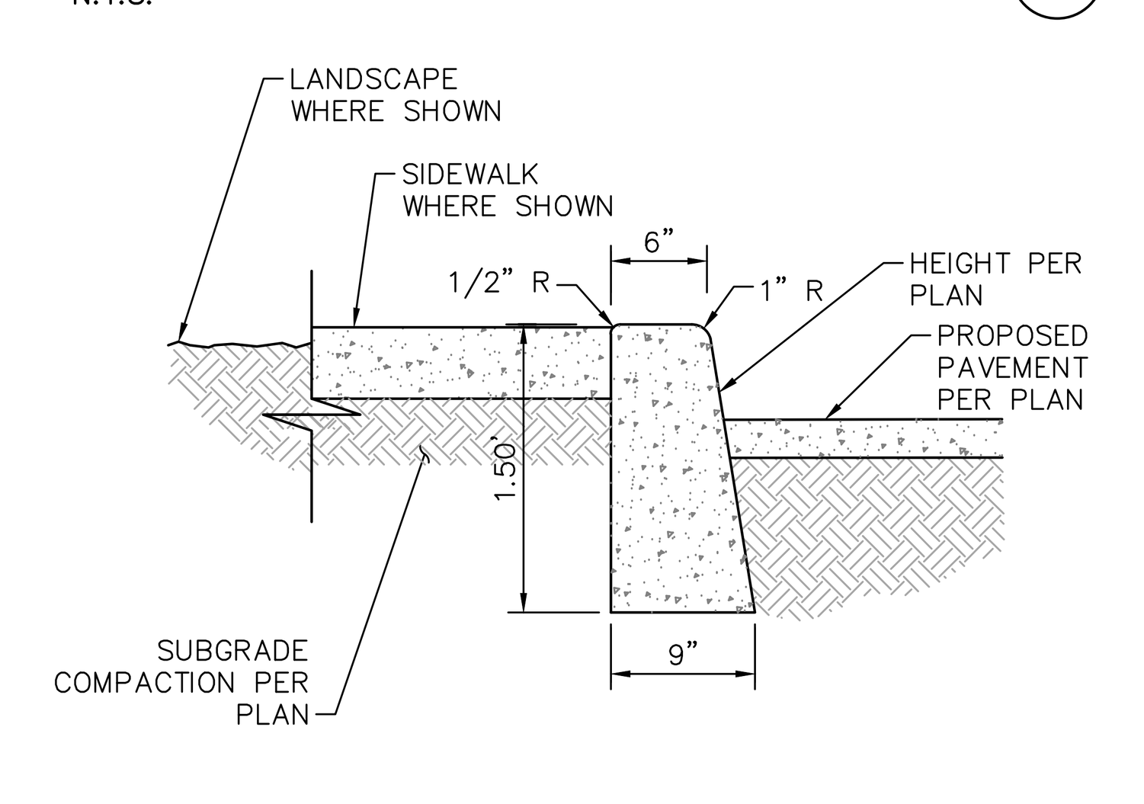
DROP INLET/JUNCTION BOX TABLE

MODEL*	A	B	C
P12	12"	12"	4"
P18	18"	18"	5"

*INLET SHALL BE CENTRAL PRECAST DROP INLET, OR EQUIVALENT.

NOTE:
FRAMES AND GRATES WITHIN DRIVE AISLES SHALL BE HEAVY DESIGNED FOR H20 HIGHWAY LOADING. FOR ALL CATCH BASINS, GRATE TO BE ADA COMPLIANT WITH ½" MAX OPENINGS IN ALL DIRECTIONS.

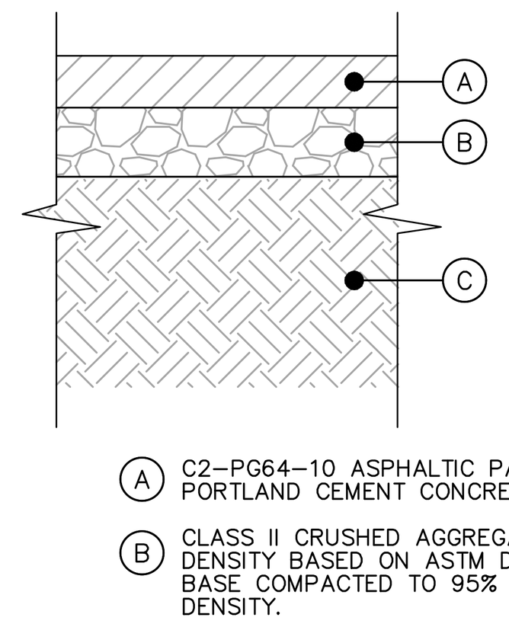
CATCH BASIN (8)
N.T.S.



NOTES:

1. CONCRETE SHALL BE 3500 PSI.
2. ISOLATION JOINTS SHALL BE PLACED ONLY AS SPECIFIED
3. CONTRACTION JOINTS CONSISTING OF 1" DEEP SCORES SHALL BE PLACED AT 15' INTERVALS O.C.
4. WHERE A WALK IS ADJACENT TO THE CURB THE JOINTS SHALL ALIGN WITH JOINTS IN THE WALK.

CONCRETE CURB (5)
N.T.S.



NOTES:

1. CONTRACTOR SHALL CONFIRM THESE PAVEMENT SECTIONS WITH THE GEOTECHNICAL REPORT BY GEOSOLUTIONS, INC. DATED JUNE 11, 2024
2. MATCH EXISTING PAVEMENT SECTION IF MORE STRINGENT THAN SECTION PER THIS DETAIL.
3. CONTRACTOR TO PROVIDE R-VALUE OF COMPACTED SUBGRADE TO ENGINEER PRIOR TO PAVEMENT OPERATIONS, IN ORDER TO MAKE ANY NECESSARY ADJUSTMENTS TO THE PAVEMENT SECTION.
4. ALL TREAD SURFACES SHALL BE SLIP-RESISTANT.
5. REFER TO LANDSCAPE PLANS FOR COLOR, TEXTURE, PATTERN AND FINISH.
6. SEE DETAIL 2 FOR THICKENED EDGE DETAIL AT ALL EDGE CONDITIONS.

(A) C2-PG64-10 ASPHALTIC PAVEMENT OR 3,500 PSI STANDARD DUTY TYPE 1 PORTLAND CEMENT CONCRETE.

(B) CLASS II CRUSHED AGGREGATE BASE COMPACTED TO 95% MAXIMUM DRY DENSITY BASED ON ASTM D1557-12 TEST METHOD OR CLASS 2 AGGREGATE BASE COMPACTED TO 95% OF THE MATERIAL'S ASTM D1557 MAXIMUM DRY DENSITY.

(C) SUBGRADE SCARIFIED AND RECOMPACTED TO 95% MAXIMUM DRY DENSITY BASED ON ASTM D1557 TEST METHOD FOR PROPOSED CONCRETE.

	STANDARD DUTY ASPHALT CONCRETE	HEAVY DUTY ASPHALT CONCRETE	STANDARD DUTY CONCRETE	HEAVY DUTY CONCRETE
(A)	0'-2 1/2"	0'-3"	0'-4"	0'-10 3/16"
(B)	0'-6"	0'-10"	0'-0"	0'-6"
(C)	1'-0"	1'-0"	1'-0"	1'-0"

PAVEMENT SECTIONS (1)
N.T.S.

REGISTERED PROFESSIONAL ENGINEER
Ahmed Zuwawa
RCE NO. 92059
CIVIL
STATE OF CALIFORNIA

DLRGROUP

BATTLES BEARS

BATTLES ES - TK/K BUILDING

Santa Maria-Bonita School District

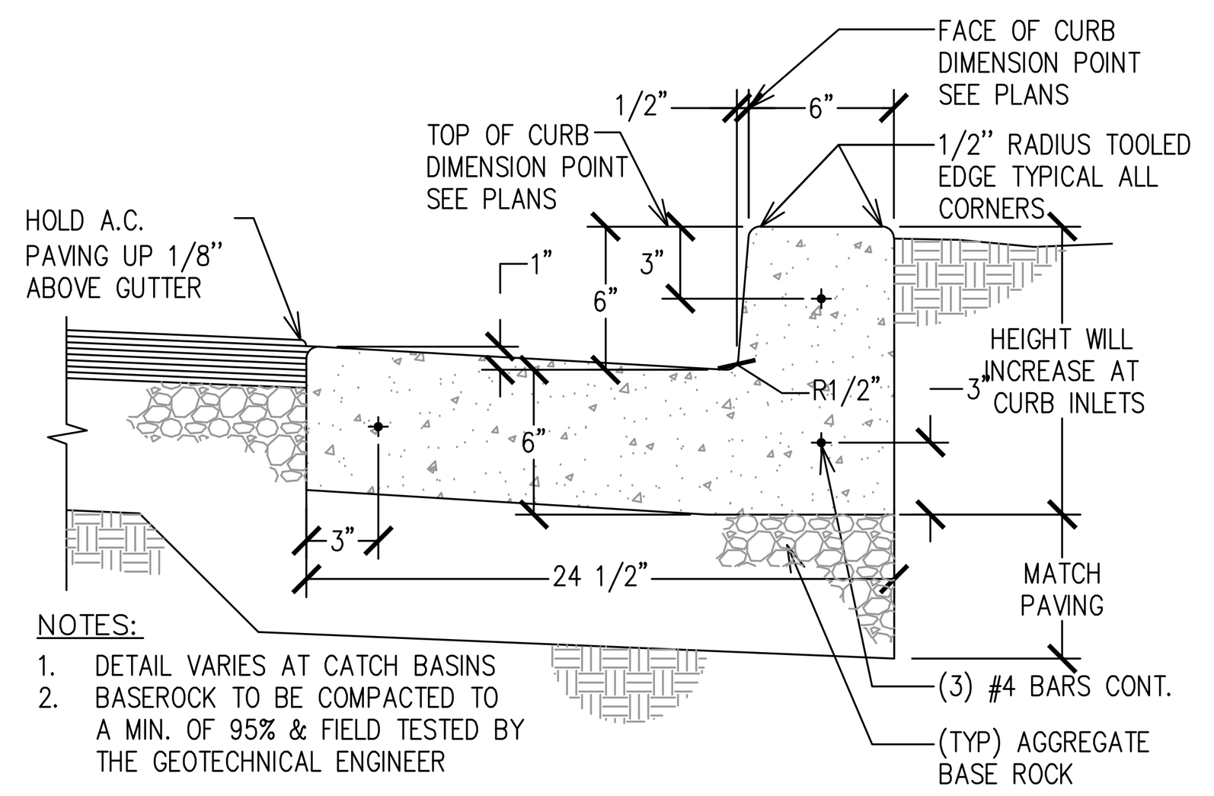
605 E Battles Rd, Santa Maria, CA 93454

CONSTRUCTION DOCUMENTS
12/16/2024
REVISIONS
3/17/2025 ADD01
4/14/2025 ADD02

DSA App: 03-124614
DSA File No: 42-48
75-24119-00

DETAILS

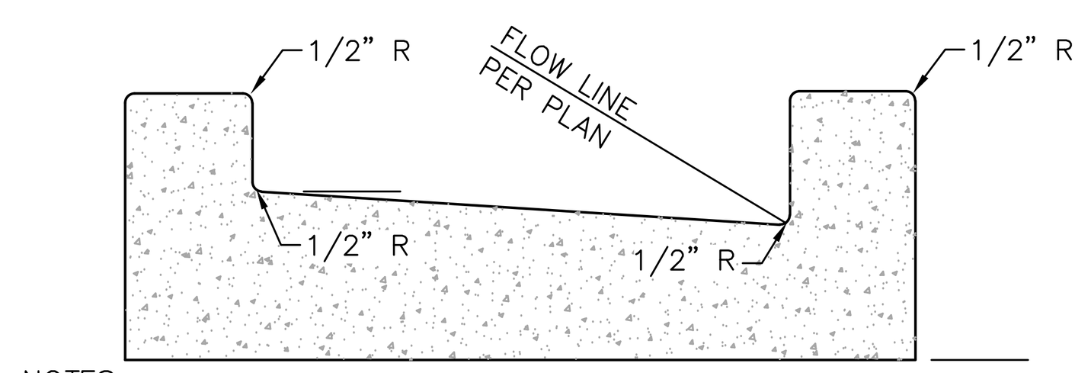
C6.0


FACE OF CURB DIMENSION POINT SEE PLANS
1/2"
6"
TOP OF CURB DIMENSION POINT SEE PLANS
1/2" RADIUS TOOLED EDGE TYPICAL ALL CORNERS
HOLD A.C. PAVING UP 1/8" ABOVE GUTTER
1"
3"
6"
HEIGHT WILL INCREASE AT CURB INLETS
R1/2"
3"
6"
3"
24 1/2"
MATCH PAVING
(3) #4 BARS CONT.
(TYP) AGGREGATE BASE ROCK

NOTES:

1. DETAIL VARIES AT CATCH BASINS
2. BASEROCK TO BE COMPACTED TO A MIN. OF 95% & FIELD TESTED BY THE GEOTECHNICAL ENGINEER

CURB AND GUTTER DETAIL (11)
N.T.S.

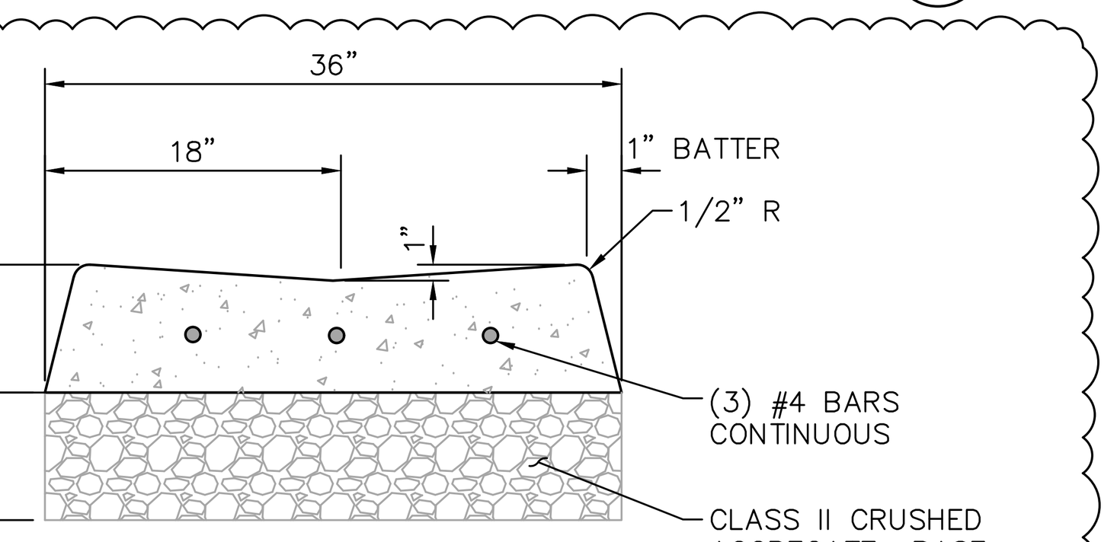


NOTES:

1. CONCRETE SHALL BE 3500 PSI.
2. ISOLATION JOINTS SHALL BE PLACED ONLY AS SPECIFIED
3. CONTRACTION JOINTS CONSISTING OF 1" DEEP SCORES SHALL BE PLACED AT 15' INTERVALS O.C.
4. WHERE A WALK IS ADJACENT TO THE CURB THE JOINTS SHALL ALIGN WITH JOINTS IN THE WALK.

CONCRETE CURB CUT CHANNEL (10)
N.T.S.

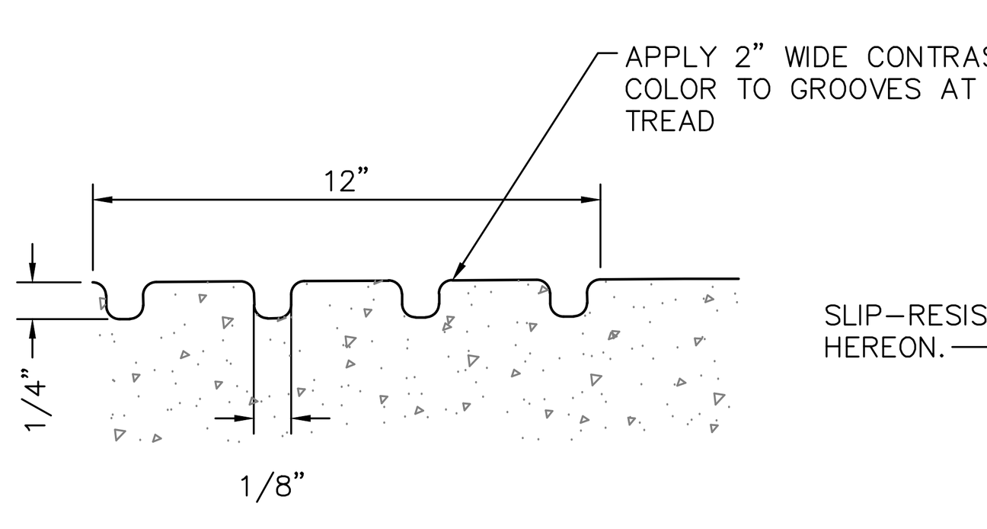
ADD 2



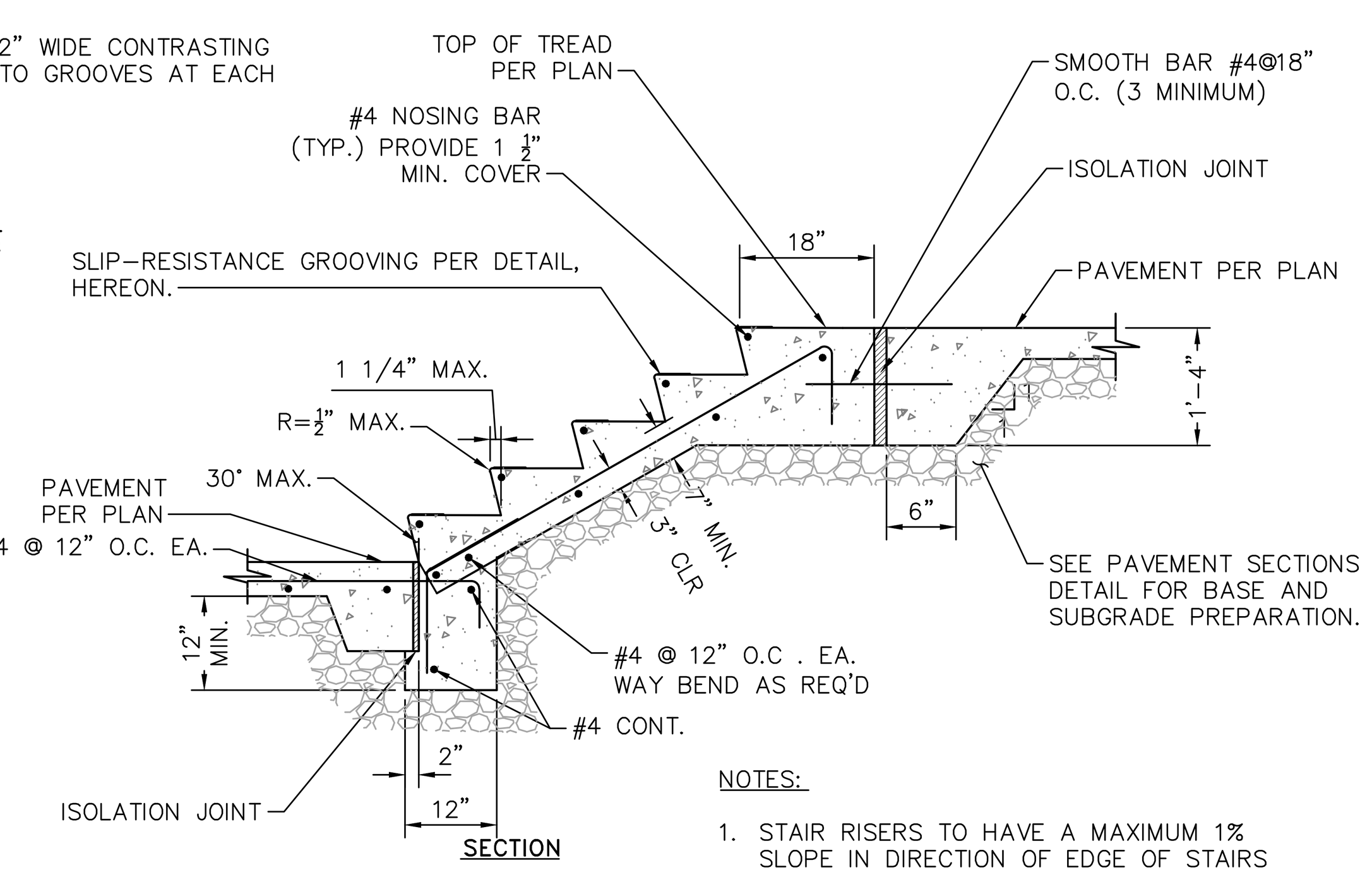
NOTE:

1. CONCRETE SHALL BE 3500 PSI
2. PROVIDE CONTROL JOINTS AT 10'-0" O.C.

CONCRETE VALLEY GUTTER (9)
N.T.S.



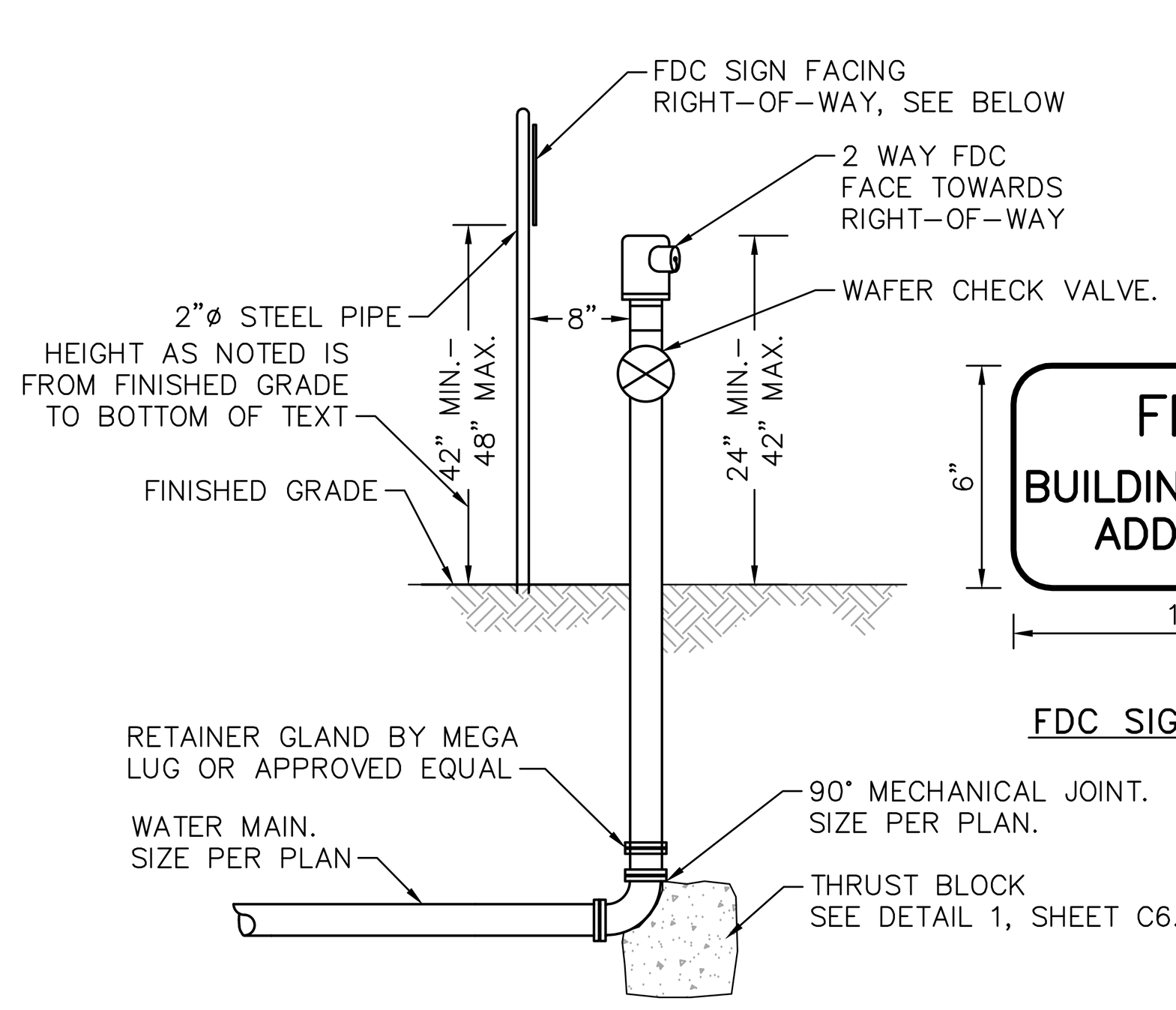
SLIP-RESISTANT GROOVING DETAIL


TOP OF TREAD PER PLAN
#4 NOSING BAR (TYP.) PROVIDE 1 ½" MIN. COVER
SMOOTH BAR #4@18" O.C. (3 MINIMUM)
ISOLATION JOINT
18"
SLIP-RESISTANCE GROOVING PER DETAIL, HEREON.
PAVEMENT PER PLAN
1 1/4" MAX.
R=½" MAX.
1'-4"
PAVEMENT PER PLAN
30° MAX.
#4 @ 12" O.C. EA.
7" MIN.
3" CLR
6"
SEE PAVEMENT SECTIONS DETAIL FOR BASE AND SUBGRADE PREPARATION.
12" MIN.
#4 @ 12" O.C . EA. WAY BEND AS REQ'D
#4 CONT.
2"
ISOLATION JOINT
12"
SECTION

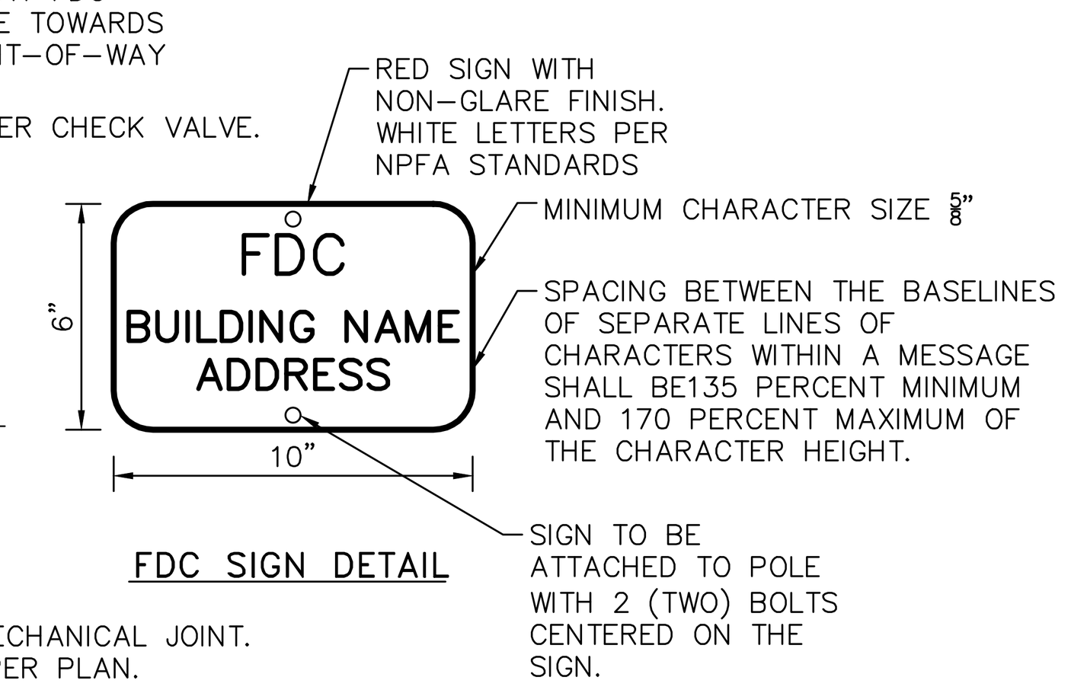
NOTES:

1. STAIR RISERS TO HAVE A MAXIMUM 1% SLOPE IN DIRECTION OF EDGE OF STAIRS

TYPICAL STAIRS ON GRADE (8)
N.T.S.

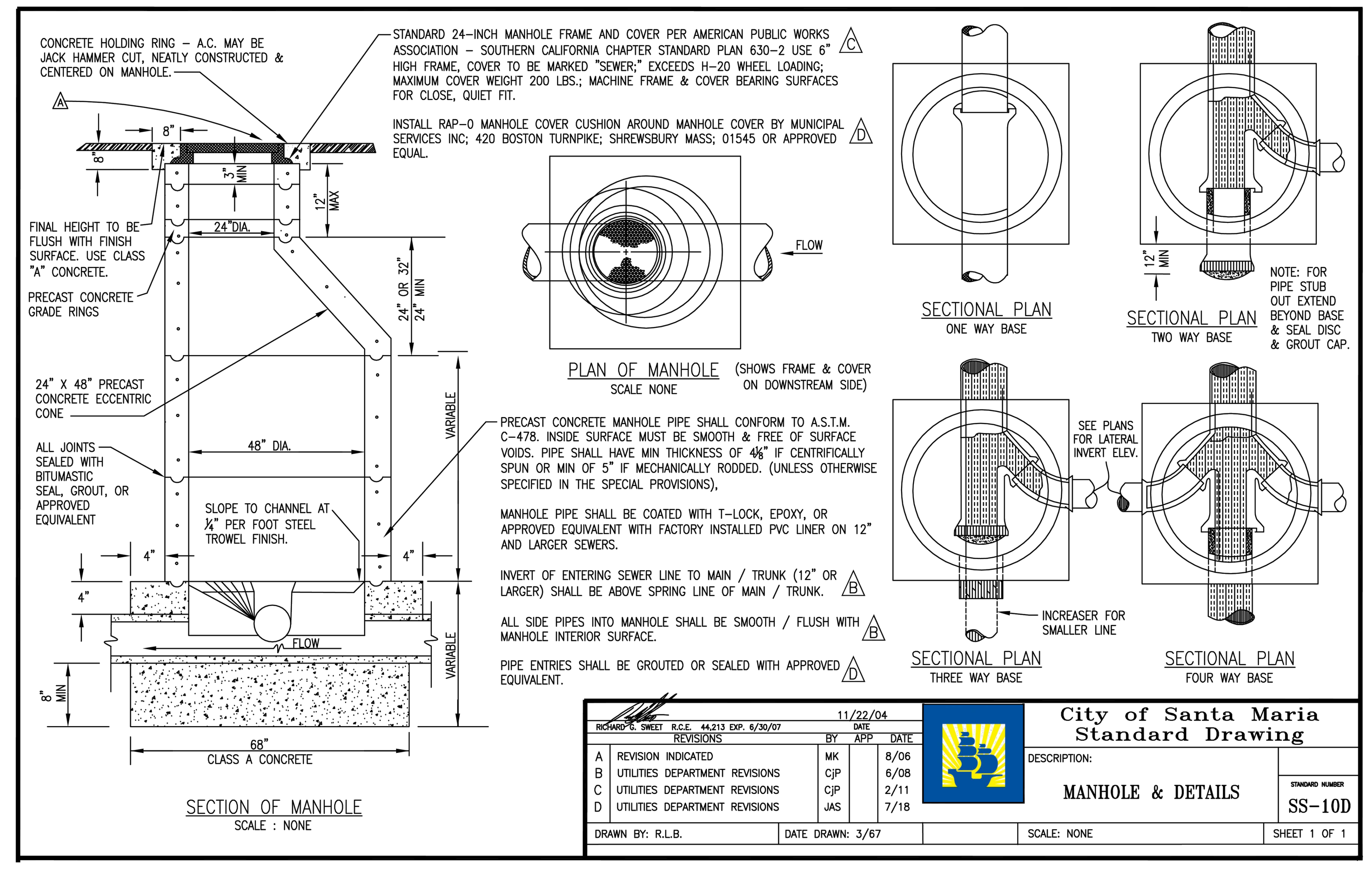

FDC SIGN FACING RIGHT-OF-WAY, SEE BELOW
2 WAY FDC FACE TOWARDS RIGHT-OF-WAY
WAFER CHECK VALVE.
2"ø STEEL PIPE
8"
HEIGHT AS NOTED IS FROM FINISHED GRADE TO BOTTOM OF TEXT
42" MIN.- 48" MAX.
24" MIN.- 42" MAX.
FINISHED GRADE
RETAINER GLAND BY MEGA LUG OR APPROVED EQUAL
90° MECHANICAL JOINT. SIZE PER PLAN.
WATER MAIN. SIZE PER PLAN
THRUST BLOCK SEE DETAIL 1, SHEET C6.1

ELEVATION

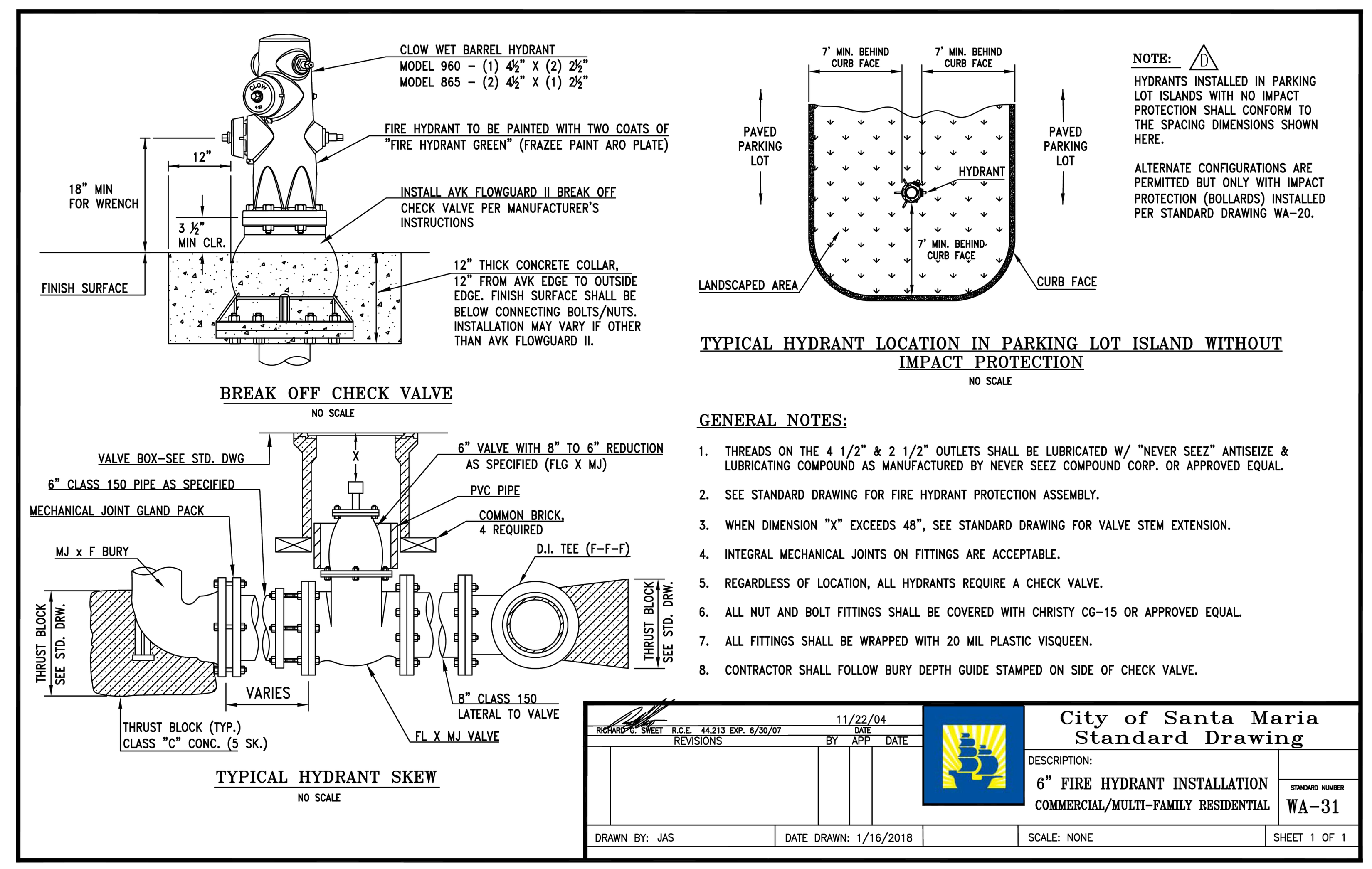

RED SIGN WITH NON-GLARE FINISH. WHITE LETTERS PER NPFA STANDARDS
MINIMUM CHARACTER SIZE ⅝"
SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF CHARACTERS WITHIN A MESSAGE SHALL BE135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE CHARACTER HEIGHT.
6"
FDC
BUILDING NAME
ADDRESS
10"
SIGN TO BE ATTACHED TO POLE WITH 2 (TWO) BOLTS CENTERED ON THE SIGN.

FDC SIGN DETAIL

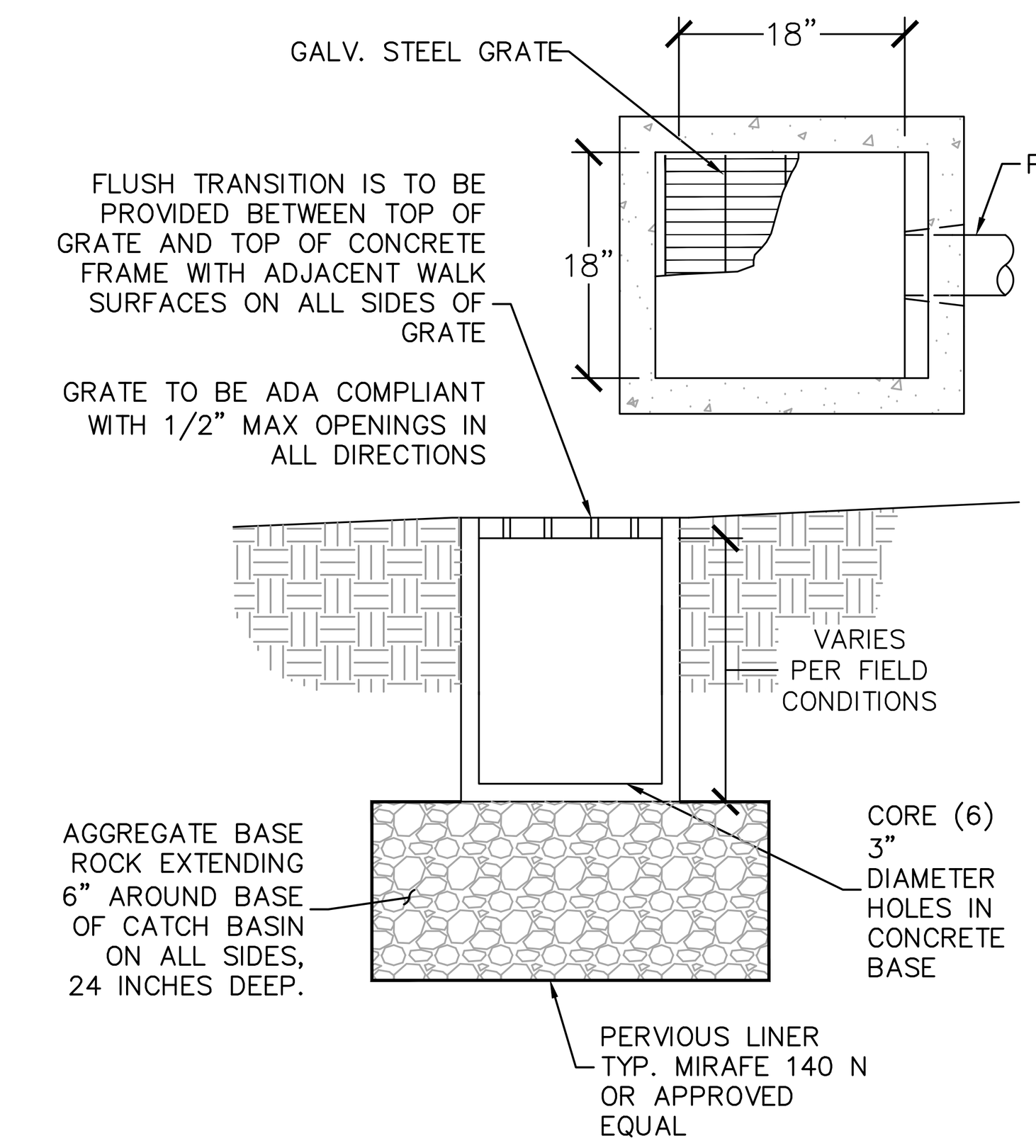
FIRE DEPARTMENT CONNECTION (FDC) (7)
N.T.S.


CONCRETE HOLDING RING – A.C. MAY BE JACK HAMMER CUT, NEATLY CONSTRUCTED & CENTERED ON MANHOLE.
STANDARD 24-INCH MANHOLE FRAME AND COVER PER AMERICAN PUBLIC WORKS ASSOCIATION – SOUTHERN CALIFORNIA CHAPTER STANDARD PLAN 630-2 USE 6" HIGH FRAME, COVER TO BE MARKED "SEWER;" EXCEEDS H-20 WHEEL LOADING; MAXIMUM COVER WEIGHT 200 LBS.; MACHINE FRAME & COVER BEARING SURFACES FOR CLOSE, QUIET FIT. C
INSTALL RAP-O MANHOLE COVER CUSHION AROUND MANHOLE COVER BY MUNICIPAL SERVICES INC; 420 BOSTON TURNPIKE; SHREWSBURY MASS; 01545 OR APPROVED EQUAL. D
A
8"
8"
3" MIN
12" MAX
FINAL HEIGHT TO BE FLUSH WITH FINISH SURFACE. USE CLASS "A" CONCRETE.
24"DIA.
PRECAST CONCRETE GRADE RINGS
24" OR 32" 24" MIN
24" X 48" PRECAST CONCRETE ECCENTRIC CONE
VARIABLE
ALL JOINTS SEALED WITH BITUMASTIC SEAL, GROUT, OR APPROVED EQUIVALENT
48" DIA.
SLOPE TO CHANNEL AT ¼" PER FOOT STEEL TROWEL FINISH.
4"
4"
4"
FLOW
VARIABLE
8" MIN
68"
CLASS A CONCRETE
SECTION OF MANHOLE
SCALE : NONE
FLOW
PLAN OF MANHOLE (SHOWS FRAME & COVER ON DOWNSTREAM SIDE)
SCALE NONE
PRECAST CONCRETE MANHOLE PIPE SHALL CONFORM TO A.S.T.M. C-478. INSIDE SURFACE MUST BE SMOOTH & FREE OF SURFACE VOIDS. PIPE SHALL HAVE MIN THICKNESS OF 4⅛" IF CENTRIFICALLY SPUN OR MIN OF 5" IF MECHANICALLY RODDED. (UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS),
MANHOLE PIPE SHALL BE COATED WITH T-LOCK, EPOXY, OR APPROVED EQUIVALENT WITH FACTORY INSTALLED PVC LINER ON 12" AND LARGER SEWERS.
INVERT OF ENTERING SEWER LINE TO MAIN / TRUNK (12" OR LARGER) SHALL BE ABOVE SPRING LINE OF MAIN / TRUNK. B
ALL SIDE PIPES INTO MANHOLE SHALL BE SMOOTH / FLUSH WITH MANHOLE INTERIOR SURFACE. B
PIPE ENTRIES SHALL BE GROUTED OR SEALED WITH APPROVED EQUIVALENT. D
SECTIONAL PLAN
ONE WAY BASE
12" MIN
SECTIONAL PLAN
TWO WAY BASE
NOTE: FOR PIPE STUB OUT EXTEND BEYOND BASE & SEAL DISC & GROUT CAP.
SEE PLANS FOR LATERAL INVERT ELEV.
INCREASER FOR SMALLER LINE
SECTIONAL PLAN
THREE WAY BASE
SECTIONAL PLAN
FOUR WAY BASE
RICHARD G. SWEET R.C.E. 44,213 EXP. 6/30/07
11/22/04
DATE
REVISIONS BY APP DATE
A REVISION INDICATED MK 8/06
B UTILITIES DEPARTMENT REVISIONS CjP 6/08
C UTILITIES DEPARTMENT REVISIONS CjP 2/11
D UTILITIES DEPARTMENT REVISIONS JAS 7/18
City of Santa Maria
Standard Drawing
DESCRIPTION:
MANHOLE & DETAILS
STANDARD NUMBER
SS-10D
DRAWN BY: R.L.B.
DATE DRAWN: 3/67
SCALE: NONE
SHEET 1 OF 1

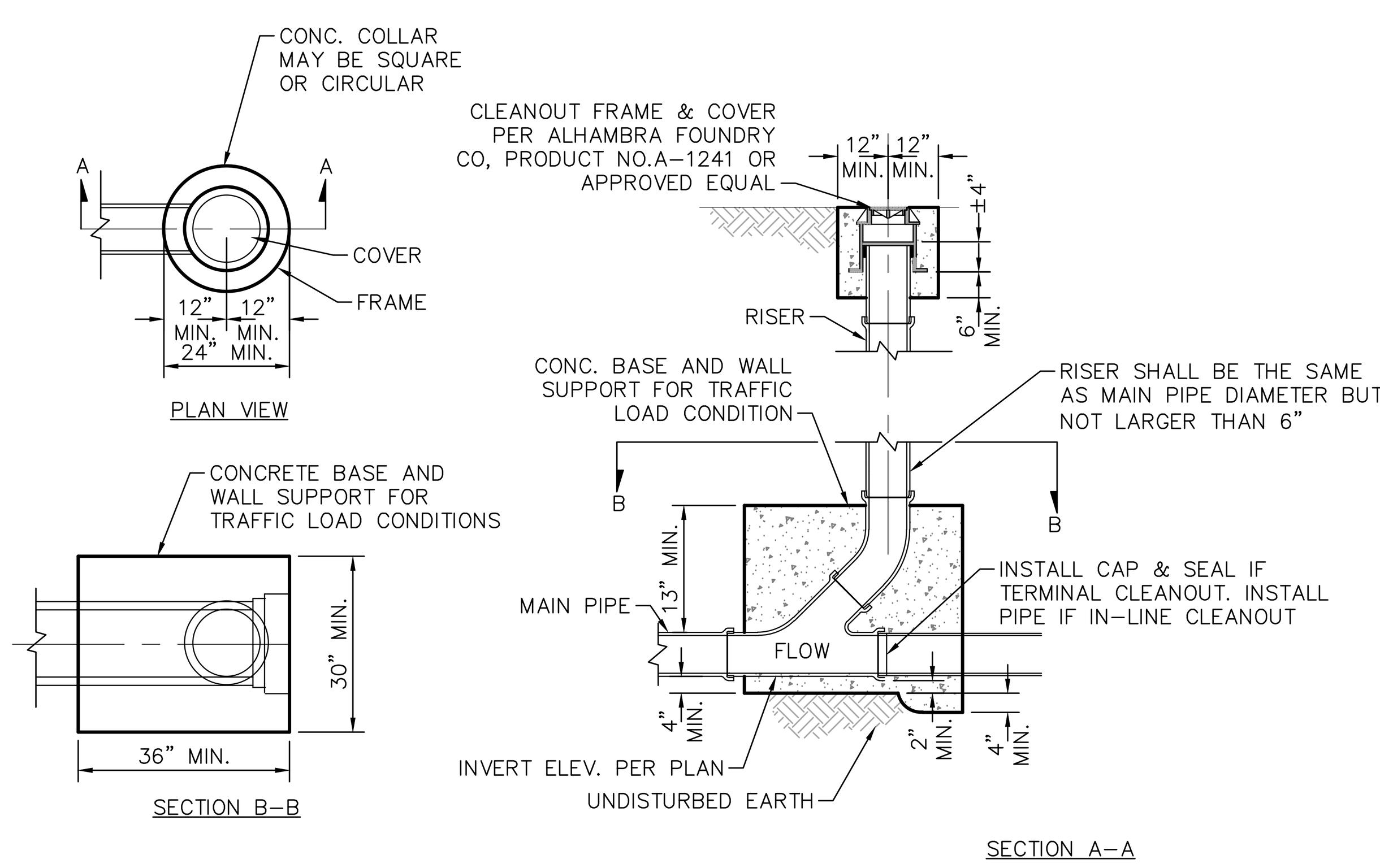
SEWER MANHOLE (5)
N.T.S.


CLOW WET BARREL HYDRANT
MODEL 960 – (1) 4½" X (2) 2½"
MODEL 865 – (2) 4½" X (1) 2½"
FIRE HYDRANT TO BE PAINTED WITH TWO COATS OF "FIRE HYDRANT GREEN" (FRAZEE PAINT ARO PLATE)
12"
18" MIN FOR WRENCH
INSTALL AVK FLOWGUARD II BREAK OFF CHECK VALVE PER MANUFACTURER'S INSTRUCTIONS
3 ½" MIN CLR.
FINISH SURFACE
12" THICK CONCRETE COLLAR, 12" FROM AVK EDGE TO OUTSIDE EDGE. FINISH SURFACE SHALL BE BELOW CONNECTING BOLTS/NUTS. INSTALLATION MAY VARY IF OTHER THAN AVK FLOWGUARD II.
BREAK OFF CHECK VALVE
NO SCALE
VALVE BOX-SEE STD. DWG
6" CLASS 150 PIPE AS SPECIFIED
MECHANICAL JOINT GLAND PACK
MJ x F BURY
6" VALVE WITH 8" TO 6" REDUCTION AS SPECIFIED (FLG X MJ)
X
PVC PIPE
COMMON BRICK, 4 REQUIRED
D.I. TEE (F-F-F)
THRUST BLOCK SEE STD. DRW.
THRUST BLOCK SEE STD. DRW.
VARIES
THRUST BLOCK (TYP.) CLASS "C" CONC. (5 SK.)
8" CLASS 150 LATERAL TO VALVE
FL X MJ VALVE
TYPICAL HYDRANT SKEW
NO SCALE
7' MIN. BEHIND CURB FACE
7' MIN. BEHIND CURB FACE
PAVED PARKING LOT
PAVED PARKING LOT
HYDRANT
7' MIN. BEHIND CURB FACE
LANDSCAPED AREA
CURB FACE
TYPICAL HYDRANT LOCATION IN PARKING LOT ISLAND WITHOUT IMPACT PROTECTION
NO SCALE
NOTE: D
HYDRANTS INSTALLED IN PARKING LOT ISLANDS WITH NO IMPACT PROTECTION SHALL CONFORM TO THE SPACING DIMENSIONS SHOWN HERE.
ALTERNATE CONFIGURATIONS ARE PERMITTED BUT ONLY WITH IMPACT PROTECTION (BOLLARDS) INSTALLED PER STANDARD DRAWING WA-20.
GENERAL NOTES:
1. THREADS ON THE 4 1/2" & 2 1/2" OUTLETS SHALL BE LUBRICATED W/ "NEVER SEEZ" ANTISEIZE & LUBRICATING COMPOUND AS MANUFACTURED BY NEVER SEEZ COMPOUND CORP. OR APPROVED EQUAL.
2. SEE STANDARD DRAWING FOR FIRE HYDRANT PROTECTION ASSEMBLY.
3. WHEN DIMENSION "X" EXCEEDS 48", SEE STANDARD DRAWING FOR VALVE STEM EXTENSION.
4. INTEGRAL MECHANICAL JOINTS ON FITTINGS ARE ACCEPTABLE.
5. REGARDLESS OF LOCATION, ALL HYDRANTS REQUIRE A CHECK VALVE.
6. ALL NUT AND BOLT FITTINGS SHALL BE COVERED WITH CHRISTY CG-15 OR APPROVED EQUAL.
7. ALL FITTINGS SHALL BE WRAPPED WITH 20 MIL PLASTIC VISQUEEN.
8. CONTRACTOR SHALL FOLLOW BURY DEPTH GUIDE STAMPED ON SIDE OF CHECK VALVE.
RICHARD G. SWEET R.C.E. 44,213 EXP. 6/30/07
11/22/04
DATE
REVISIONS BY APP DATE
City of Santa Maria
Standard Drawing
DESCRIPTION:
6" FIRE HYDRANT INSTALLATION
COMMERCIAL/MULTI-FAMILY RESIDENTIAL
STANDARD NUMBER
WA-31
DRAWN BY: JAS
DATE DRAWN: 1/16/2018
SCALE: NONE
SHEET 1 OF 1

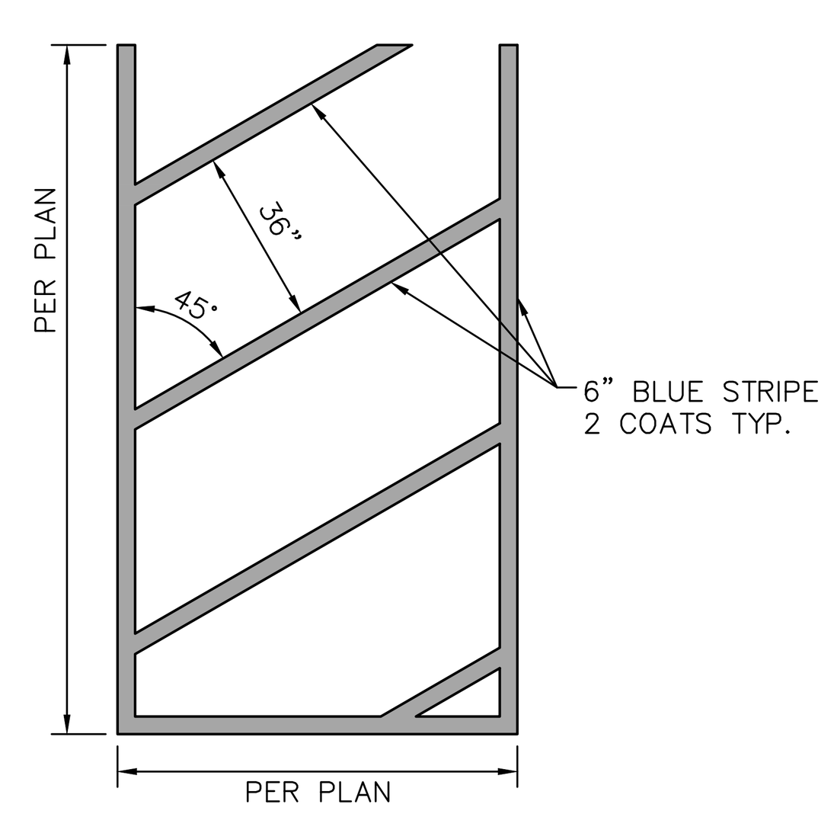
FIRE HYDRANT ASSEMBLY (4)
N.T.S.


GALV. STEEL GRATE
18"
PIPE
18"
FLUSH TRANSITION IS TO BE PROVIDED BETWEEN TOP OF GRATE AND TOP OF CONCRETE FRAME WITH ADJACENT WALK SURFACES ON ALL SIDES OF GRATE
GRATE TO BE ADA COMPLIANT WITH 1/2" MAX OPENINGS IN ALL DIRECTIONS
VARIES PER FIELD CONDITIONS
AGGREGATE BASE ROCK EXTENDING 6" AROUND BASE OF CATCH BASIN ON ALL SIDES, 24 INCHES DEEP.
CORE (6) 3" DIAMETER HOLES IN CONCRETE BASE
PERVIOUS LINER TYP. MIRAFE 140 N OR APPROVED EQUAL

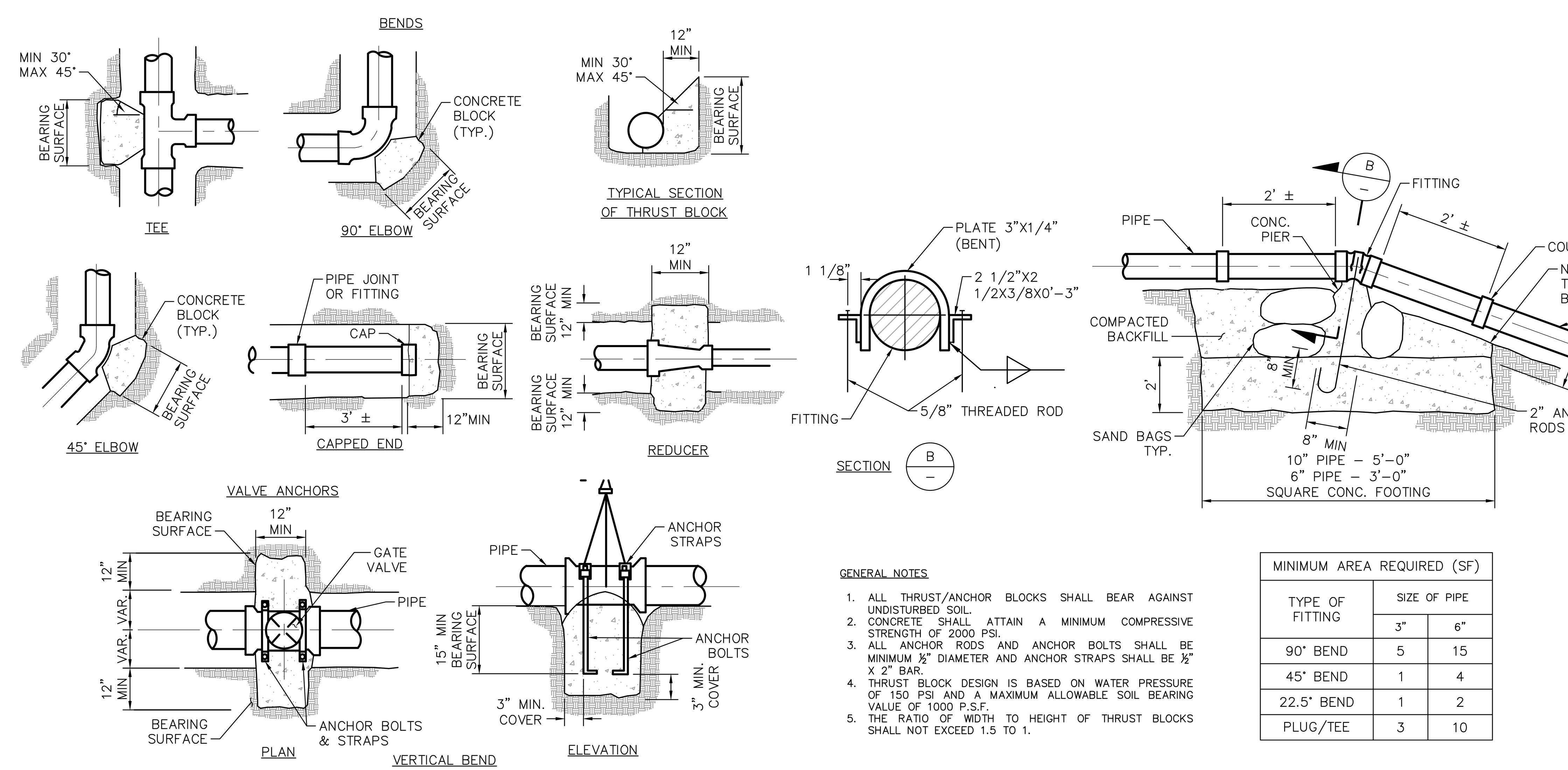
OPEN BOTTOM CATCH BASIN (3)
N.T.S.


CONC. COLLAR MAY BE SQUARE OR CIRCULAR
A
A
COVER
FRAME
12" MIN.
12" MIN.
24" MIN.
PLAN VIEW
CONCRETE BASE AND WALL SUPPORT FOR TRAFFIC LOAD CONDITIONS
30" MIN.
36" MIN.
SECTION B–B
CLEANOUT FRAME & COVER PER ALHAMBRA FOUNDRY CO, PRODUCT NO.A-1241 OR APPROVED EQUAL
12" MIN.
12" MIN.
±4"
RISER
6" MIN.
CONC. BASE AND WALL SUPPORT FOR TRAFFIC LOAD CONDITION
RISER SHALL BE THE SAME AS MAIN PIPE DIAMETER BUT NOT LARGER THAN 6"
B
B
13" MIN.
MAIN PIPE
INSTALL CAP & SEAL IF TERMINAL CLEANOUT. INSTALL PIPE IF IN-LINE CLEANOUT
FLOW
4" MIN.
2" MIN.
4" MIN.
INVERT ELEV. PER PLAN
UNDISTURBED EARTH
SECTION A–A

CLEANOUT (2)
N.T.S.



ACCESSIBLE PATH-OF-TRAVEL STRIPING (6)
N.T.S.


BENDS
MIN 30° MAX 45°
BEARING SURFACE
TEE
CONCRETE BLOCK (TYP.)
BEARING SURFACE
90° ELBOW
12" MIN
MIN 30° MAX 45°
BEARING SURFACE
TYPICAL SECTION OF THRUST BLOCK
CONCRETE BLOCK (TYP.)
BEARING SURFACE
45° ELBOW
PIPE JOINT OR FITTING
CAP
BEARING SURFACE
3' ±
12"MIN
CAPPED END
12" MIN
BEARING SURFACE 12" MIN
BEARING SURFACE 12" MIN
REDUCER
VALVE ANCHORS
BEARING SURFACE
12" MIN
GATE VALVE
PIPE
12" MIN
VAR.
VAR.
12" MIN
BEARING SURFACE
ANCHOR BOLTS & STRAPS
PLAN
PIPE
ANCHOR STRAPS
15" MIN BEARING SURFACE
ANCHOR BOLTS
3" MIN. COVER
3" MIN. COVER
ELEVATION
VERTICAL BEND
PLATE 3"X1/4" (BENT)
1 1/8"
2 1/2"X2 1/2X3/8X0'-3"
FITTING
5/8" THREADED ROD
SECTION B –
B –
FITTING
2' ±
PIPE
CONC. PIER
2' ±
COUPLING
NORMAL TRENCH BOTTOM
PIPE
COMPACTED BACKFILL
2'
8" MIN
6" MIN
2" ANCHOR RODS
SAND BAGS TYP.
8" MIN
10" PIPE – 5'-0"
6" PIPE – 3'-0"
SQUARE CONC. FOOTING

GENERAL NOTES

1. ALL THRUST/ANCHOR BLOCKS SHALL BEAR AGAINST UNDISTURBED SOIL.
2. CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
3. ALL ANCHOR RODS AND ANCHOR BOLTS SHALL BE MINIMUM ½" DIAMETER AND ANCHOR STRAPS SHALL BE ½" X 2" BAR.
4. THRUST BLOCK DESIGN IS BASED ON WATER PRESSURE OF 150 PSI AND A MAXIMUM ALLOWABLE SOIL BEARING VALUE OF 1000 P.S.F.
5. THE RATIO OF WIDTH TO HEIGHT OF THRUST BLOCKS SHALL NOT EXCEED 1.5 TO 1.

MINIMUM AREA REQUIRED (SF)		
TYPE OF FITTING	SIZE OF PIPE	
	3"	6"
90° BEND	5	15
45° BEND	1	4
22.5° BEND	1	2
PLUG/TEE	3	10

THRUST AND ANCHOR BLOCK DETAIL (1)
N.T.S.

REGISTERED PROFESSIONAL ENGINEER
Ahmed Zuwawa
RCE NO. 92059
CIVIL
STATE OF CALIFORNIA

DLRGROUP
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BATTLES BEARS

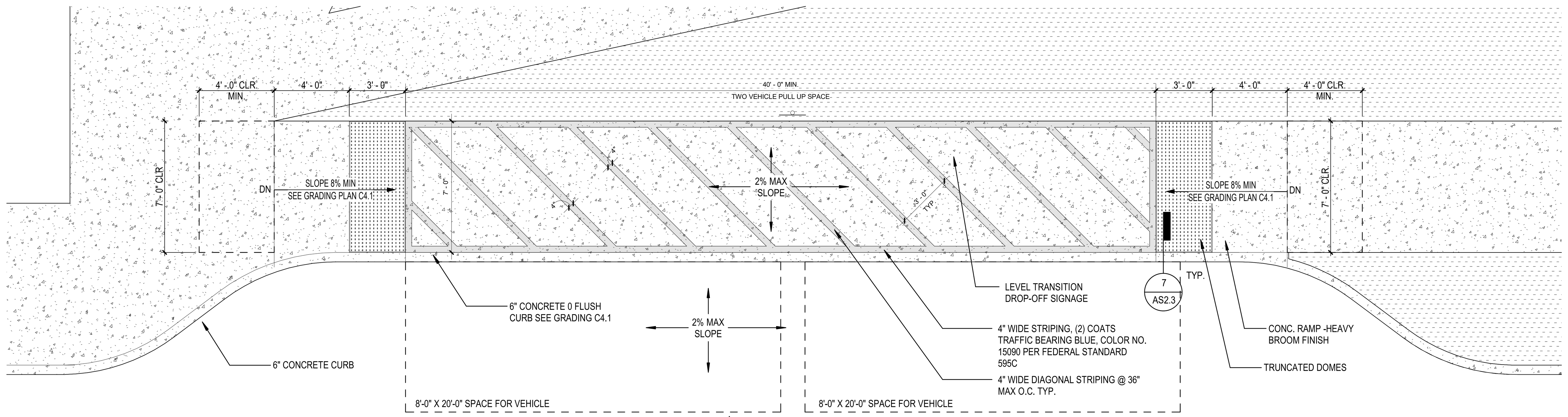
BATTLES ES - TK/K BUILDING
Santa Maria-Bonita School District
605 E Battles Rd, Santa Maria, CA 93454

CONSTRUCTION DOCUMENTS
12/16/2024
REVISIONS
3/17/2025 ADD 1
4/14/2025 ADD 2

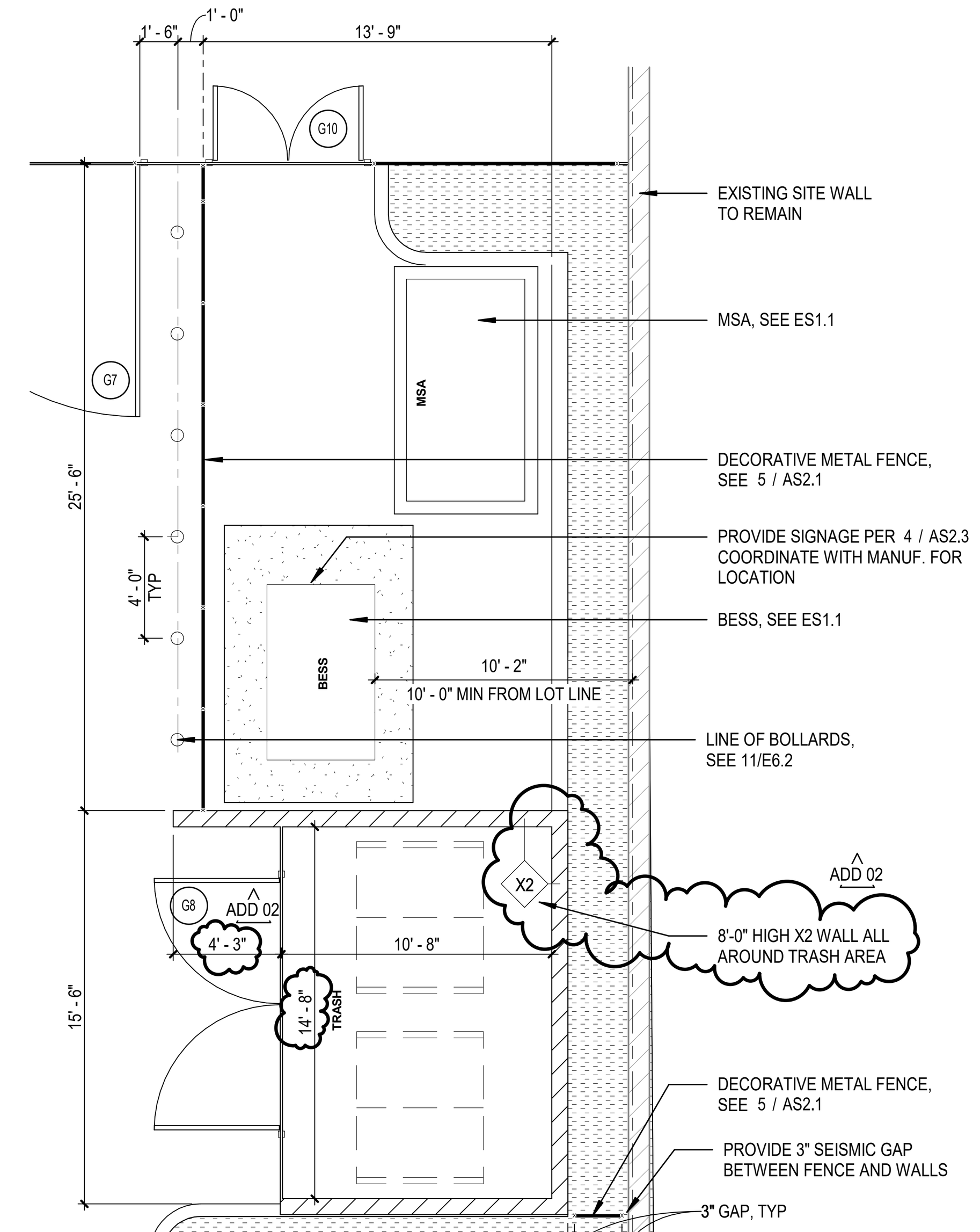
DSA App: 03-124614
DSA File No: 42-48
75-24119-00

DETAILS

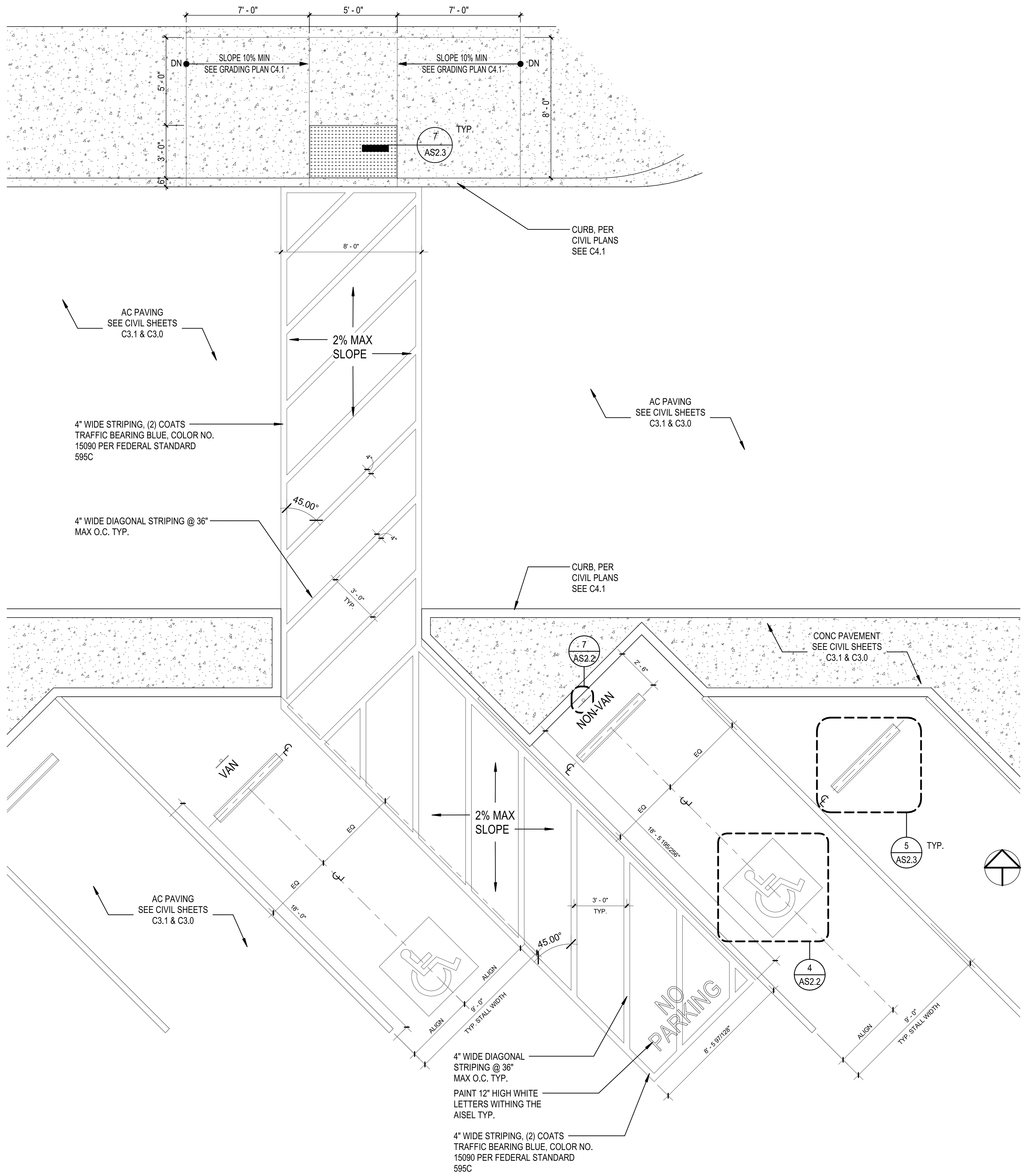
C6.1



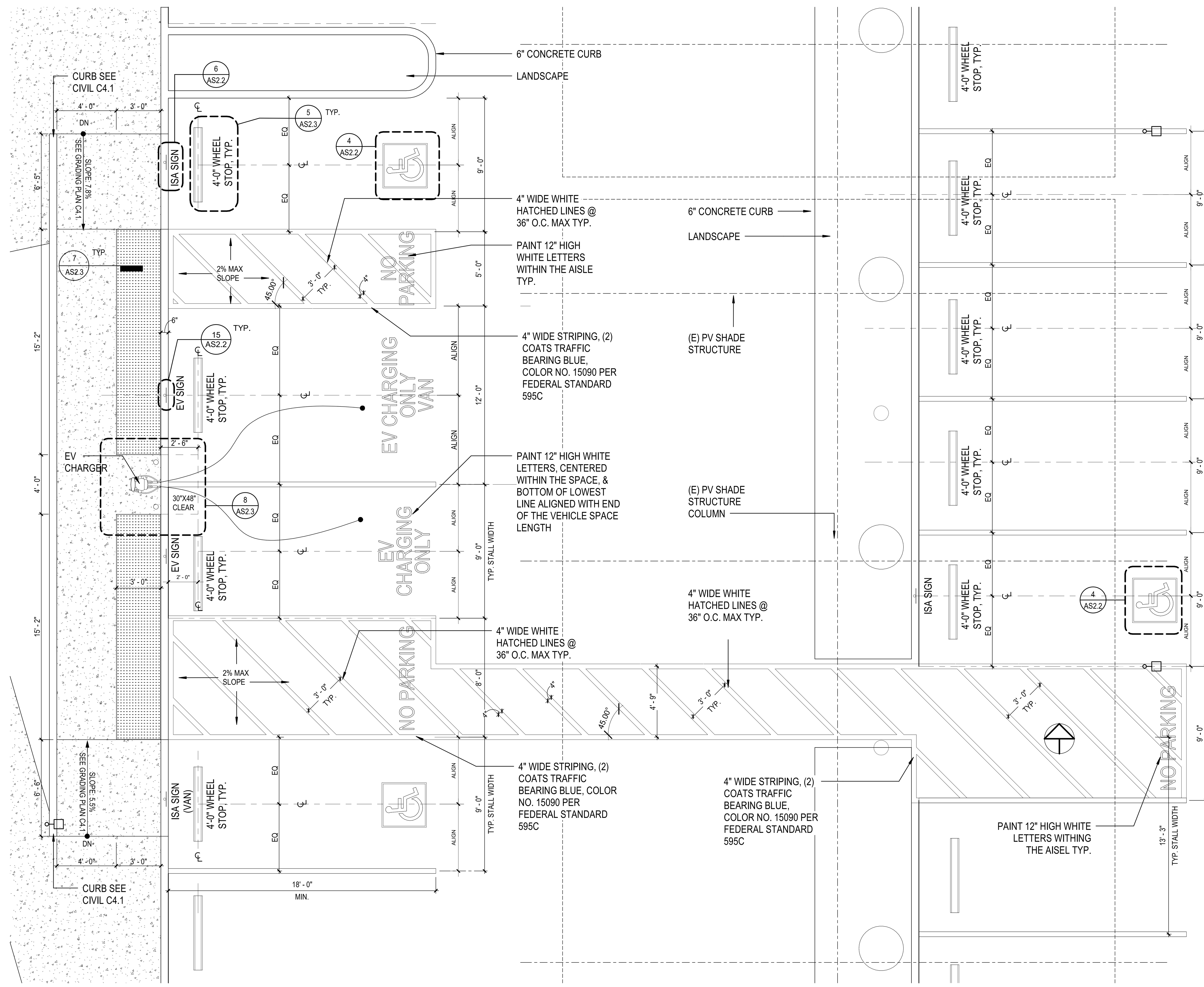
3 / AS1.1 ACCESSIBLE DROP OFF
SCALE: 1/4" = 1'-0"



4 / AS1.1 ENLARGED TRASH / ELEC EQUIPMENT AREA
SCALE: 3/16" = 1'-0"



1 / AS1.1 WEST PARKING - ACCESSIBLE PARKING
SCALE: 1/4" = 1'-0"



2 / AS1.1 EAST PARKING - ACCESSIBLE PARKING
SCALE: 1/4" = 1'-0"

LICENSED ARCHITECT
ALBERICO MELE
C-27590
12/31/2025
STATE OF CALIFORNIA

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BATTLES ES - TK/K BUILDING
Santa Maria-Bonita School District
605 E Battles Rd, Santa Maria, CA 93454

CONSTRUCTION DOCUMENTS
12/16/2024
REVISIONS
ADD 02 4/14/2025 ADDENDUM 02

DSA App: 03-124614
DSA File No: 42-48
75-24119-00

ENLARGED SITE PLANS

AS1.1

Autodesk Docs://75-24119-00 SMBSD Battles ES TK-K Classrooms/75-24119-00 SMBSD BAttles ES TK-K Classrooms_AR_2024.rvt
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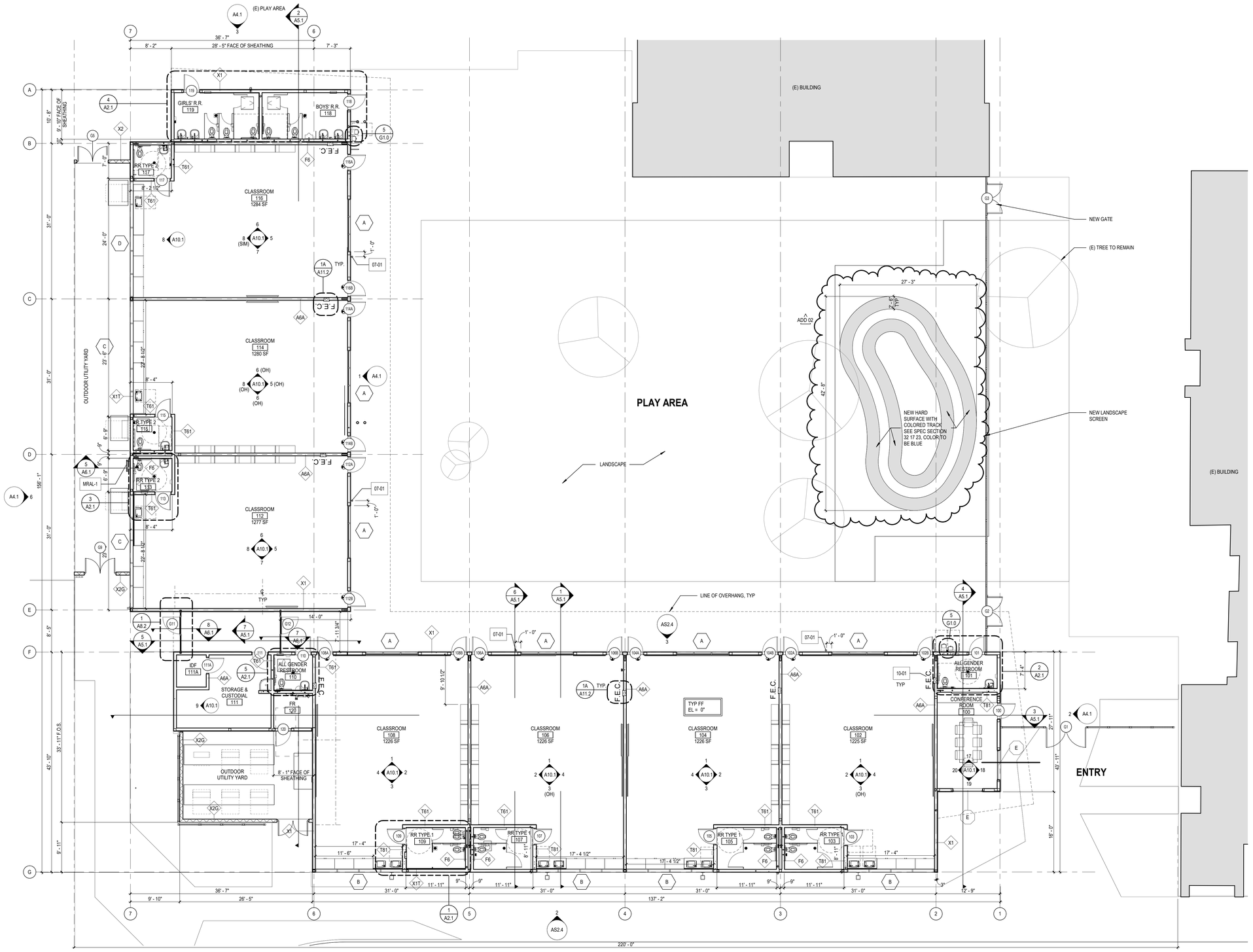

LEVEL 1 FLOOR PLAN

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

GENERAL ARCHITECTURAL NOTES

1. GENERAL NOTES APPLY TO ALL SHEETS.
2. DIMENSIONS ARE ACTUAL AND ARE TO FACE OF STUDS, FACE OF CMU WALLS, FACE OF FRAMES OR CENTERLINE OF COLUMNS, UNLESS NOTED OTHERWISE. AT EXTERIOR WALLS, DIMENSIONS ARE TO FACE OF SHEATHING/CURB, UNLESS NOTED OTHERWISE.
3. ALL CMU WALLS SHALL BE 8 INCHES NOMINAL THICKNESS, UNLESS NOTED OTHERWISE.
4. PARTITION TYPES SHALL BE DESIGNATED ON FLOOR PLANS THUS: SEE SHEET A8.1 FOR TYPES. ALL INTERIOR PARTITIONS ARE TYPE 'A6A' UNLESS NOTED OTHERWISE. ALL EXTERIOR WALLS ARE TYPE 'X1' UNLESS NOTED OTHERWISE.
5. ALL MASONRY WALLS AND INTERIOR STUD WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE, PER PARTITION TYPE.
6. PROVISIONS SHALL BE MADE AT ALL FULL HEIGHT NON-BEARING WALLS FOR 1-INCH VERTICAL MOVEMENT OF THE BUILDING STRUCTURE WITHOUT TRANSFER OF COMPRESSIVE LOADS TO WALL. FILL IRREGULARITIES BETWEEN TOP OF WALL AND DECK ABOVE WITH MINERAL WOOL INSULATION OR FIRE STOPPING MATERIALS AS REQUIRED TO MEET FIRE RATING OF RESPECTIVE WALLS.
7. SEE STRUCTURAL DRAWINGS FOR BRACING OF NON-LOAD BEARING MASONRY WALLS.
8. FURNISH AND INSTALL WOOD BLOCKING OR METAL BACKING PLATE IN STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS; I.E. TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, MARKER BOARDS, TACK BOARDS, DOOR STOPS, AUDIO VISUAL BRACKETS, AND OTHER WALL ATTACHED ITEMS. SEE 21/S6.21 FOR TYPICAL WALL EQUIPMENT BLOCKING.
9. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS AS DESCRIBED IN THE SPECIFICATIONS.
10. REFER TO INTERIOR ELEVATIONS FOR MARKER BOARDS, TACK BOARDS, EQUIPMENT, AND WALL FINISHES.
11. INCLUDE ALL OWNER FURNISHED AND INSTALLED ITEMS AND OWNER FURNISHED AND CONTRACTOR INSTALLED ITEMS IN THE CONSTRUCTION SCHEDULE. COORDINATE WITH THE OWNER TO ACCOMMODATE THESE ITEMS.
12. SCRIBE GYPSUM WALL BOARD OF WALLS AND PARTITIONS TO IRREGULARITIES OF DECK ABOVE. SEAL TIGHTLY AROUND ALL PENETRATIONS.
13. PROVIDE SEISMIC BRACING FOR SUSPENDED CEILINGS OR AS SHOWN ON THE DRAWINGS.
14. ARCHITECTURAL FINISH FLOOR ELEVATION 0'-0" EQUAL CIVIL SITE REFERNCE ELEVATION OF FINISH FLOOR 230.02.
15. ALL EXPOSED SHEET METAL FLASHING AND COPING TO BE FACTORY FINISHED. COLOR TO MATCH ADJACENT FINISH, TYPICAL.
16. R-21 BATT INSULATION AT ALL EXTERIOR WALLS. R-13 AVERAGE INSULATION AT ROOF.
17. STRUCTURAL PLANS SHOW HSS HEADERS AND POSTS IN EXTERIOR WALL. CONTRACTOR TO ROUTE CONDUITS AND PIPING THROUGH INTERIOR WALLS WHERE POSSIBLE AND UP FROM SLAB WHERE REQUIRED.
18. ALL CONDUIT AND PIPING TO BE CONCEALED IN WALL. NO EXPOSED CONDUIT AND PIPING.
19. PROVIDE INSULATION AT ALL PIPING WITHIN EXTERIOR WALLS.
20. PROVIDE ALS SYSTEMS FOR CLASSROOMS AND CONFERENCE ROOM PER SPEC SECTOIN 275126. EACH CLASSROOM TO RECEIVE 3 RECEIVERS EACH. CONFERENCE ROOM TO RECEIVE 2 RECEIVERS. DEVICES TO BE STORED IN ADMIN OFFICE. COORDINATE WITH THE DISTRICT.

ADD 02 8 FURNISH AND INSTALL WOOD BLOCKING OR METAL BACKING PLATE IN STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS; I.E. TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, MARKER BOARDS, TACK BOARDS, DOOR STOPS, AUDIO VISUAL BRACKETS, AND OTHER WALL ATTACHED ITEMS. SEE 21/S6.21 FOR TYPICAL WALL EQUIPMENT BLOCKING.

FLOOR PLAN LEGEND

- WOOD STUD WALL (NON-RATED)
- CMU WALL (NON-RATED)
- WALL OR POST MOUNTED LANDSCAPE SCREEN
- NEW PERIMETER FENCE
- (NO) PLAN KEYED NOTE

REFERENCE KEYNOTES

07-01	EXPOSED DOWNSPOUT, SEE 8/A9.1
10-01	RECESSED FIRE EXTINGUISHER, PER 1A/A11.2
MRAL-1	METAL ROOF ACCESS LADDER, SEE SPEC SECTION 05 51 33.

LICENSED ARCHITECT ALBERICO MELE C-27590 12/31/2025 STATE OF CALIFORNIA

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Santa Maria-Bonita School District

605 E Battles Rd, Santa Maria, CA 93454

CONSTRUCTION DOCUMENTS

12/16/2024

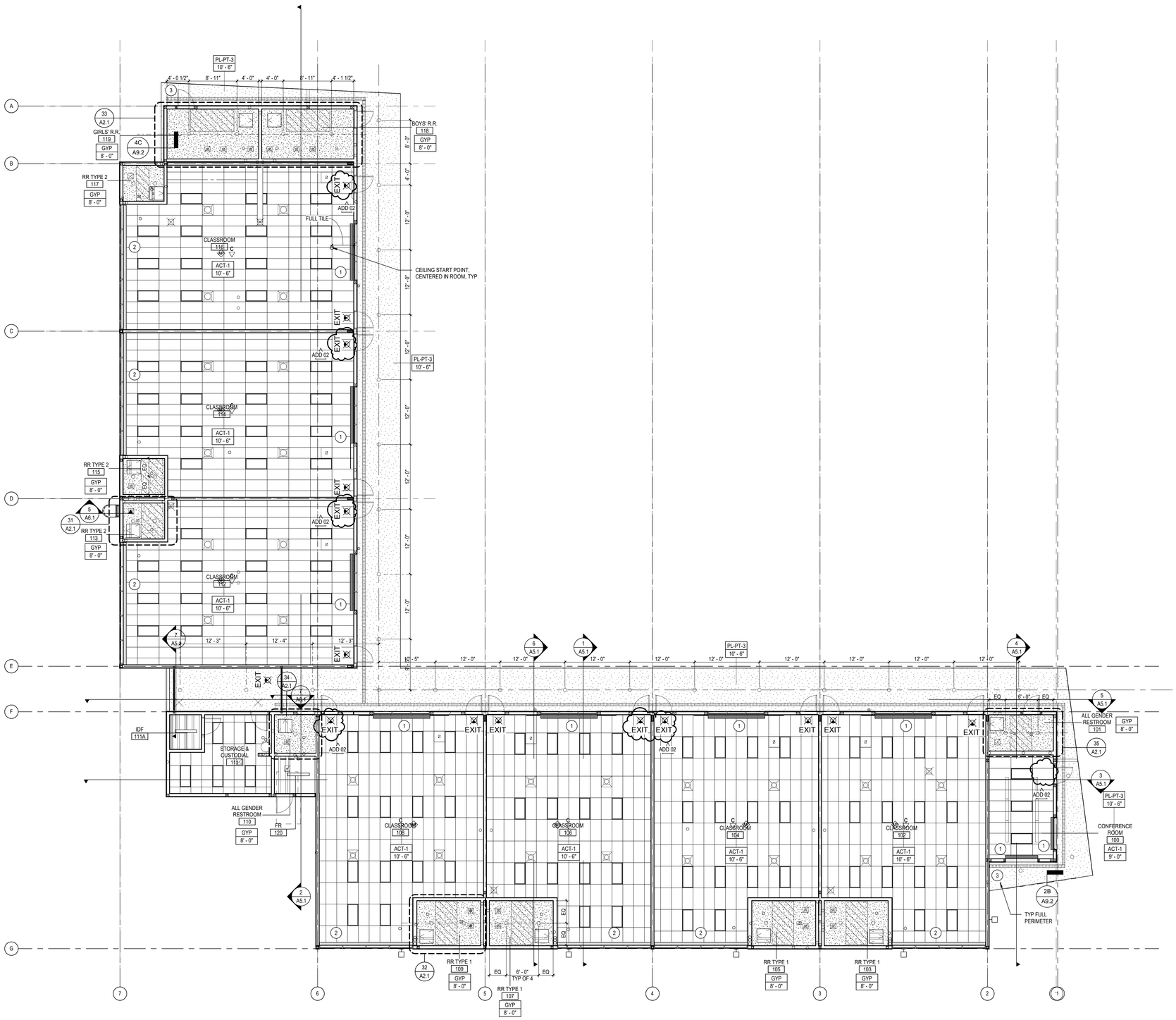
REVISIONS

ADD 02 4/14/2025 ADDENDUM 02

DSA App: 03-124614
DSA File No: 42-48
75-24119-00

FLOOR PLAN - LEVEL 1

A1.1



N

LEVEL 1 REFLECTED CEILING PLAN

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

REFLECTED CEILING PLAN GENERAL NOTES

A. REFLECTED CEILING PLAN GENERAL NOTES APPLY TO ALL REFLECTED CEILING PLAN SHEETS.
B. ALL CEILING GRIDS/PANELS SHALL BE CENTERED IN EACH ROOM UNLESS NOTED OTHERWISE.
C. CEILING HEIGHTS ARE NOTED ON THE REFLECTED CEILING PLANS ARE MEASURED FROM THE FINISH FLOOR OF THE ROOM.
D. ALL ELECTRICAL FIXTURES, SPEAKERS, SMOKE AND THERMAL DETECTORS, MECHANICAL GRILLES, SPRINKLER HEADS, AND OTHER CEILING MOUNTED DEVICES, SHALL BE CENTERED BETWEEN CEILING GRIDS UNLESS NOTED OTHERWISE. SPRINKLER HEADS SHALL BE WITHIN A 3-INCH RADIUS CENTERED BETWEEN CEILING GRIDS.
E. IN ACOUSTICAL CEILING PANELS WITH SCORE IN THE CENTER, CENTER DEVICES REFERENCE IN NOTE D IN ONE HALF OF THE TILE. DO NOT LOCATE ON THE SCORE. FOR ACP WITH MULTIPLE SCORED PATTERNS, COORDINATE LOCATION WITH THE ARCHITECT.
F. PROVIDE SUSPENSION SYSTEM AROUND ELECTRICAL FIXTURES, MECHANICAL GRILLES, DIFFUSERS, AND OTHER CEILING MOUNTED DEVICES. AT ACOUSTICAL PANEL CEILINGS.
G. ALL DIMENSIONS ON REFLECTED CEILING PLANS ARE ACTUAL AND ARE TO THE FOLLOWING UNLESS NOTED OTHERWISE:
   a. FACE OF FINISHED WALL
   b. FACE OF FINISHED BULKHEADS
   c. CENTERLINE OF COLUMNS
   d. CENTERLINE OF TEES
H. IN AREAS WITH EXPOSED STRUCTURE CEILINGS, COORDINATE EXACT LOCATIONS OF MECHANICAL GRILLES, DIFFUSERS, DUCTWORK AND ELECTRICAL FIXTURES WITH EACH REPRESENTATIVE SUBCONTRACTOR.
I. ALL WALLS EXTEND TO UNDERSIDE OF DECK EXCEPT THOSE SHOWN SHADED IN WHICH GYPSUM BOARD OR MASONRY EXTENDS MIN 4 INCHES ABOVE FINISHED CEILING. ALL METAL STUDS EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK.
J. IN RESTROOMS, PROVIDE ACOUSTIC BATT INSULATION ABOVE THE CEILING.
K. REFER TO CEILING PLANS FOR START POINT, SMALLEST CEILING TILE TO BE 6" MINIMUM.
L. PROVIDE MOTORIZED MECHOSHADES AT CLERESTORY WINDOWS, COORDINATE CIRCUITRY AND WALL SWITCHES WITH SHOP DRAWINGS, ALL CONDUIT TO BE CONCEALED.

CEILING PLAN LEGEND

- GYPSUM BOARD CEILING, PAINTED PT-1, REFERENCE A12.0, FRAMING PER 41/S6.4
- 24 x 48" ACOUSTIC CEILING TILE ACT-1, REFERENCE A12.0
- EXTERIOR PLASTER PAINTED PT-3, REFERENCE A12.0
- EXPOSED TO STRUCTURE ABOVE PAINTED PT-1, REFERENCE A12.0
- 2x4 RECESSED LED WHITE, REFERENCE EL1.1
- LINEAR PENDANT LED WHITE, REFERENCE EL1.1
- RECESSED DOWNLIGHT REFERENCE EL1.1
- CEILING ACCESS PANEL, COORDINATE LOCATION WITH MECANICAL UNITS
- AREA OF PLYWOOD SURFACE ABOVE CEILING JOISTS, REFERENCE
- (1) MANUAL, WALL MOUNT WS-1, REFERENCE A12.0 & 5C / A8.3
- (2) MOTORIZED, RECESSED WS-2, REFERENCE A12.0 & 4C / A8.3
- (3) PLASTER SOFFIT VENT, REFERENCE 1A / A9.1 COSTAL BLUE COLOR
- EXIT CEILING MOUNTED ILLUMINATED EXIT SIGN PER CODE SECTIONS 1013.1 AND 1013.5 — ADD 02

LICENSED ARCHITECT
ALBERICO MELE
C-27590
12/31/2025
STATE OF CALIFORNIA

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REFLECTED CEILING PLAN - LEVEL 1

A3.1

INTERIOR FINISH SCHEDULE

10 11 00 - VISUAL DISPLAY UNITS

TAG	MATERIAL	MANUFACTURER	MODEL	FINISH OR COLOR	SIZE	COMMENTS	REP CONTACT	LOCATION
TWP-1	TACKABLE FABRIC WRAPPED ACOUSTIC PANEL (GREY)	AVL SYSTEMS	CUSTOM FABRIC WRAPPED ACOUSTECH HIGH IMPACT TACKABLE ACOUSTIC PANEL 7/8" THICK.	FABRIC: MAHARAM, MERIT, 466444-001 TRICKLE	SEE ELEVATIONS	C-7 PCF FIBERGLASS SUBSTRATE WITH 1/8" 16-20 PCF HIGH DENSITY FIBERGLASS TACKABLE LAYER. EXPOSED EDGE TO RECEIVE TRIM TR-2, OR HARDENED EDGES PER MANUFACTURER.	PANEL: COBY BOTHA E: COBYBOTHA@MYPACIFICSOLUTION.COM P: 949.260.4137 FABRIC: LINDSAY AVERY E: LAVERY@MAHARAM.COM...	CLASSROOMS, CONFERENCE
TWP-2	TACKABLE FABRIC WRAPPED ACOUSTIC PANEL (LIGHT BLUE)	AVL SYSTEMS	CUSTOM FABRIC WRAPPED ACOUSTECH HIGH IMPACT TACKABLE ACOUSTIC PANEL 7/8" THICK.	FABRIC: MAHARAM, MERIT, 466444-014 RIPPLE	SEE ELEVATIONS			
TWP-3	TACKABLE FABRIC WRAPPED ACOUSTIC PANEL (BLUE)	AVL SYSTEMS	CUSTOM FABRIC WRAPPED ACOUSTECH HIGH IMPACT TACKABLE ACOUSTIC PANEL 7/8" THICK.	FABRIC: MAHARAM, MERIT, 466444-011 POOLSIDE	SEE ELEVATIONS			
TWP-4	TACKABLE FABRIC WRAPPED ACOUSTIC PANEL (YELLOW)	AVL SYSTEMS	CUSTOM FABRIC WRAPPED ACOUSTECH HIGH IMPACT TACKABLE ACOUSTIC PANEL 7/8" THICK.	FABRIC: MAHARAM, MODE, 466337-015 GOLDENROD	SEE ELEVATIONS			

06 20 00 - FINISH CARPENTRY

TAG	MATERIAL	MANUFACTURER	MODEL	FINISH OR COLOR	SIZE	COMMENTS	REP CONTACT	LOCATION
UPH-1	UPHOSTERLY FABRIC (BLUE)	MAHARAM FABRICS	MERIT	466444-011 POOLSIDE	SEE ELEVATIONS	FOR BENCH CUSHIONED SEATING, SEE DETAIL 1/DIA11.1	LINDSAY AVERY E: LAVERY@MAHARAM.COM P: 213.392.2913	CLASSROOMS

09 68 13 - TILE CARPETING

TAG	MATERIAL	MANUFACTURER	MODEL	FINISH OR COLOR	SIZE	COMMENTS	REP CONTACT	LOCATION
WM-1	WALK-OFF MAT	MOHAWK GROUP	FIRST STEP II	955 COBALT	24" X 24"	MONOLITHIC INSTALLATION, W/ ECO-BACKING. WM-1 TO BE OFCI. ADD 01	ANDREW JOHNSON E: ANDREW_JOHNSON1@MOHAWKIND.COM P: 310.936.0369	TYP. WALK-OFF MAT FOR ALL ROOMS WITH EXTERIOR DOOR AND AT CLASSROOM SINKS
CPT-1	CARPET FLOORING	MOHAWK GROUP	SIDE STRIPE GT419	965 WESTPOINT	24" X 24"	BRICK INSTALLATION, W/ ECO-BACKING. CPT-1 TO BE OFCI. ADD 01		CLASSROOMS, CONFERENCE

03 35 11 - CONCRETE FLOOR FINISHES

TAG	MATERIAL	MANUFACTURER	MODEL	FINISH OR COLOR	SIZE	COMMENTS	REP CONTACT	LOCATION
SC-1	SEALED CONCRETE	ASHFORD FORMULA				CLEAR SEALER, PREMIUM QUALITY, LOW VOC	BRUCE SILVERS E: BRUCE@BMSAINC.COM P: 949.233.2127	TYPICAL THROUGHOUT

10 26 00 - WALL AND DOOR PROTECTION

TAG	MATERIAL	MANUFACTURER	MODEL	FINISH OR COLOR	SIZE	COMMENTS	REP CONTACT	LOCATION
CGD-1	CORNER GUARD	FRY RECGLET	DRYWALL CORNER TRIM DMCT-375	1001 GLOBAL WHITE	3/8"	SEE DETAIL 2/AA11.1	MARVIN ROSSATTY E: MARVINROSSATTY@FRYREGLET.COM P: 626.394.8641	TYPICAL THROUGHOUT AT ALL EXTERNAL CORNERS OCCURING INSIDE THE BUILDING. PROVIDE AT OUTSIDE CORNER OF CLASSROOM RESTROOMS. TYPICAL. ADD 02

06 41 00 - ARCHITECTURAL WOOD CASEWORK

TAG	MATERIAL	MANUFACTURER	MODEL	FINISH OR COLOR	SIZE	COMMENTS	REP CONTACT	LOCATION
PL-1	PLASTIC LAMINATE (WOOD)	ABET LAMINATI	ABET COLLECTION LAMINATES	639 GRAINWOOD	51" X 120"	VERTICLE GRAIN DIRECTION, MATTE. PROVIDE 1/4" COLOR MATCHING SILICONE EDGEBANDING FOR ALL EXPOSED EDGES ON MILLWORK.	JOE DANNA E: JOE.DANNA@ABETLAMINATI.COM P: 714.504.1328	TYPICAL THROUGHOUT
PL-2	PLASTIC LAMINATE (ACCENT)	ABET LAMINATI	ABET COLLECTION LAMINATES	853 BLEU SPAZIO	51" X 120"	PROVIDE 1/4" COLOR MATCHING SILICONE EDGEBANDING FOR ALL EXPOSED EDGES ON MILLWORK.		
HW-02	CABINET PULL	MOCKETT	#DP130A, 6 25/32" - SATIN STAINLESS STEEL			SEE A-SERIES SHEETS FOR MILLWORK HARDWARE LOCATION		
HW-03	DRAWER GLIDES-	HAFELE	FULL EXTENSION HEAVY DUTY SIDE MOUNT DRAWER SLIDES HAFELE-3832-22, ZINC...					
HW-04	CONCEALED HINGES-	HAFELE	165 DEGREE CONCEALED HINGE			PROVIDE 90 DEGREE CONCEALED HINGE WHERE ADJACENT TO WALL		
HW-05	SHELF SUPPORTS	HAFELE	1/4" DIA., ANGLE 282.11.761, NICKEL PLATED. PROVIDE (4) MIN. PER SHELF					
HW-06	CABINET LOCK	HAFELE	CAM LOCKS, NATIONAL LOCK C8053-14A			PROVIDE LOCKS ON ALL DRAWERS AND CABINETS. LOCKS IN EACH CLASSROOM TO BE KEYED ALIKE, BUT CLASSROOMS TO BE KEYED DIFFERENTLY. PROVIDE MASTER KEYED LOCKS. COORDINATE WITH THE DISTRICT. ADD 02	ALL CASEWORK, TYPICAL ADD 02	

10 11 00 - VISUAL DISPLAY UNITS

TAG	MATERIAL	MANUFACTURER	MODEL	FINISH OR COLOR	SIZE	COMMENTS	REP CONTACT	LOCATION
MB-1	MARKERBOARD	EGAN	ALUMINUM FRAME WHITEBOARD	PORCELAIN WHITE	4' X 8' SEE ELEVATIONS	Z-CLIP MOUNTING, WHITE TRIM, MAGNETIC	TERRI BURKHART E: terri@epictrends.net P: 760.717.7167	CLASSROOMS, CONFERENCE

10 11 46 - PRESENTATION DRY ERASE WALLCOVERING

TAG	MATERIAL	MANUFACTURER	MODEL	FINISH OR COLOR	SIZE	COMMENTS	REP CONTACT	LOCATION
MB-2	MAGNETIC MARKERBOARD WALLCOVERING	KOROSEAL	WALLTALKERS W/ MAGNETIC TRAY	MAG-RITE 48 WHITE M248-00	48"W x 75'ROLL, SEE ELEVATIONS FOR INSTALL DIMENSION	INSTALLED HORIZONTALLY TO AVOID SEAMS IN THE MAIN WRITING AND PROJECTION AREA, PREP WALL TO BE LEVEL 4 PRIOR TO INSTALL WALLCOVERING.	LAURA POITRAS E: LPOITRAS@KOROSEAL.COM P: 213.505.6544	CLASSROOMS, CONFERENCE

09 30 00 - TILING

TAG	MATERIAL	MANUFACTURER	MODEL	FINISH OR COLOR	SIZE	COMMENTS	REP CONTACT	LOCATION
MTB-1	METAL BASE, COVE	SCHLUTER	DILEX- AHK 1S125 AT	SATIN ANODIZED	REQUIRED TO COORDINATE WITH TILE SELECTION AND SETTING SYSTE...	REFER TO DETAIL 5E/A11.1	MARY E. YOCUM E: MYOCUM@SCHLUTER.COM P: 714.329.0355	TYP THROUGHOUT RESTROOMS
MTB-2	METAL BASE, CORNER COVE	SCHLUTER	DILEX- AHK 1S125 AT, IN CORNER 90-DEGREE	SATIN ANODIZED	REQUIRED TO COORDINATE WITH TILE SELECTION AND SETTING SYSTE...	REFER TO DETAIL 4E/A11.1		TYP THROUGHOUT RESTROOMS
TR-1	EDGE TRIM	SCHLUTER	QUADEC ALUMINUM EDGE STRIP	SATIN ANODIZED	MATCH DEPTH OF TILE	REFER TO DETAIL 4E/A11.1, WHERE APPLICABLE		AT ACOUSTIC WALL PANEL & WALLCOVERINGS W/ SUBSTRATE
TR-2	EDGE TRIM	SCHLUTER	AE250 STRAIGHT ANCHORING LEG SCHIENE STRAIGHT	SATIN ANODIZED	" OR AS REQUIRED TO COORDINATE WITH SPECIFIED FINISH	REFER TO ELEVATIONS AND DETAILS FOR LOCATION		AT ACOUSTIC WALL PANEL & WALLCOVERINGS W/ SUBSTRATE
TB-1	TILE - BASE	TILE BAR	PEZZI SPECIALI - I COLORI	MARINA & GALASSIA	8"X4"X5/16"	MONOLITHIC INSTALLATION, 1/16" GROUT LINE, GROUT COLOR: GREY, FULL MORTAR SET FLOOR TILE, 50% EACH (2-TONE) AT INDICATED WALLS	AMY KNECHT E: AKNECHT@TILEBAR.COM P: 570.927.5474	CLASSROOMS
TW-1	TILE - WALL (ACCENT)	TILE BAR - CE SI...	I COLORI	MARINA & GALASSIA	4"X4"X5/16"	1/16" GROUT LINE, GROUT COLOR: GREY, THINSET WALL TILE FULL HEIGHT, SUBSTRATE SHALL BE DENSHIELD OR OTHER DURABLE PRODUCT; NO PLYWOOD BACKING REQUIRED, 50% EACH (2-TONE) AT INDICATED WALLS, VERTICAL BRICK...		STAFF RESTROOMS, KINDER RESTROOMS
TW-2	TILE - WALL (WHITE)	TILE BAR - CE SI...	I COLORI	TALCO	4"X4"X5/16"	1/16" GROUT LINE, GROUT COLOR: GREY, THINSET WALL TILE FULL HEIGHT, SUBSTRATE SHALL BE DENSHIELD OR OTHER DURABLE PRODUCT; NO PLYWOOD BACKING REQUIRED, 100% AT ALL WALLS, MONOLITHIC INSTALLATION		
TF-1	TILE - FLOOR	TILE BAR	FORDHAM	GRIGIO MATTE PORCELAIN	12"X24"X5/16"	MONOLITHIC INSTALLATION, 1/16" GROUT LINE, GROUT COLOR: GREY, FULL MORTAR SET FLOOR TILE		
THRESHO...	ENGINEERED STONE THRESHOLD	TILE BAR	ENGINEERED STONE SADDLE	WHITE POLISHED	6" x 36" x 3/4"	SEE DETAIL 51/A1.1104		

09 51 00 - ACOUSTICAL CEILINGS

TAG	MATERIAL	MANUFACTURER	MODEL	FINISH OR COLOR	SIZE	COMMENTS	REP CONTACT	LOCATION
ACT-1	ACOUSTIC CEILING TILE & GRID	ARMSTRONG	GRID: SUPRAFINE XL 9/16" EXPOSED TEE, TILE: PUEBLO TEGULAR LAY-IN 9/16"	WHITE	24" X 48"		MATTHEW P. NEWMAN E: MPNEWMAN@ARMSTRONGCEILINGS.COM P: 213.408.9957	CLASSROOMS, CONFERENCE

09 91 23 - INTERIOR PAINTING

TAG	MATERIAL	MANUFACTURER	MODEL	FINISH OR COLOR	SIZE	COMMENTS	REP CONTACT	LOCATION
PT-1	FIELD PAINT	SHERWIN-WILLIAMS		SW7004 SNOWBOUND		SEMI-GLOSS FOR WALL, SEMI-GLOSS FOR DOOR AND DOOR FRAME, FLAT FOR CEILING, U.O.N.	TOM BRUMMETT E: THOMAS.W.BRUMMETT@SHERWIN.COM P: 310.999.9396	GENERAL PAINT
PT-2	ACCENT PAINT (ACCENT BLUE)	SHERWIN-WILLIAMS		SW6793 BLUEBELL				ACCENT PAINT. REFER TO FINISH PLAN
PT-3	ACCENT PAINT (LIGHT BLUE)	SHERWIN-WILLIAMS		SW6778 AVIARY BLUE				ACCENT PAINT. REFER TO EXTERIOR ELEVATIONS
PT-4	ACCENT PAINT (MEDIUM BLUE)	SHERWIN-WILLIAMS		SW6500 OPEN SEAS				ACCENT PAINT. REFER TO EXTERIOR ELEVATIONS
PT-5	ACCENT PAINT (DARK BLUE)	SHERWIN-WILLIAMS		SW7602 INDIGO BATIK				ACCENT PAINT. REFER TO EXTERIOR ELEVATIONS
PT-6	ACCENT PAINT (GREY)	SHERWIN-WILLIAMS		SW7057 SILVER STRAND				INTERIOR DOOR AND DOOR FRAME

12 36 00 - COUNTERTOPS

TAG	MATERIAL	MANUFACTURER	MODEL	FINISH OR COLOR	SIZE	COMMENTS	REP CONTACT	LOCATION
SSM-1	QUARTZ SOLID SURFACE	FORMICA	EVERFORM SOLID SURFACE	LUNA SAND			BILL YOUNT E: BILL.YOUNT@FORMICA.COM P: 310.266.2861	CLASSROOMS

09 65 00 - RESILIENT FLOORING

TAG	MATERIAL	MANUFACTURER	MODEL	FINISH OR COLOR	SIZE	COMMENTS	REP CONTACT	LOCATION
RB-1	RESILIENT BASE	ROPPE	VINYL WALL BASE 1/8"	174 SMOKE	4" H			

06 83 16 - FIBERGLASS REINFORCED PANELING

TAG	MATERIAL	MANUFACTURER	COLLECTION	FINISH OR COLOR	SIZE	COMMENTS	REP CONTACT	LOCATION
FRP-1	FIBER REINFORCED PLASTIC	MARLITE	SMOOTH	S 100G WHITE	4'W x 7'-2"H	INSTALL TO ALIGN WITH DOOR FRAME	ASHLEY BARKHEIMER E: ABARKHEIMER@MARLITE.COM P: N/A	CUSTODIAL

10 21 13.19 - FRP/ALUMINUM TOILET COMPARTMENTS

TAG	MATERIAL	MANUFACTURER	COLLECTION	FINISH OR COLOR	SIZE	COMMENTS	REP CONTACT	LOCATION
TC-1	TOILET COMPARTMENT	SPECIAL-LITE	SPECLITE 3 FRP	LIGHT GREY	SEE ELEVATION		DENNIS ZANROSSO E: DENNISZ@THEZGROUP.COM P: 848.340.1011	RESTROOMS

12 24 00 - WINDOW SHADES

TAG	MATERIAL	MANUFACTURER	COLLECTION	FINISH OR COLOR	SIZE	COMMENTS	REP CONTACT	LOCATION
WS-1	WINDOW TREATMENT/ SOLAR	MECHOSHADE	MANUALLY OPPERATED ROLLER SHADES	SOLAR: THERMOVEIL DENSE BASKET WEAVE1500 SERIES (3% OPEN), COLOR: 1519 SILVER BIRCH	VARIES	MOUNTING METHOD: WALL - MOUNTED FASCIA: WHITE BRACKET: MECHO/7, SINGLE ROLLER SHADES, PROVIDE MULTIBAND SHADES AT ALL LOCATIONS FOR OPERATION OF ALL BANDS SIMULTANEOUSLY USING A SINGLE CLUTCH OPERATOR ADD 01	JESSE RUSS E: JESSE@ARCHITYPE.NET P: 213.631.5001	THROUGHOUT AT PERIMETER WINDOWS
WS-2	WINDOW TREATMENT/ SOLAR	MECHOSHADE	ELECTRONICALLY OPERATED ROLLER SHADES, SEE ELECTRICAL SHEETS.	SOLAR: THERMOVEIL DENSE BASKET WEAVE1500 SERIES (3% OPEN), COLOR: 1519 SILVER BIRCH	VARIES	MOUNTING METHOD: WALL - MOUNTED FASCIA: WHITE BRACKET: ELECTRO/2 BRACKET MOTOR: WHISPER IQ2+ AC SINGLE ROLLER SHADES, PROVIDE MULTIBAND SHADES AT ALL LOCATIONS FOR OPERATION OF ALL BANDS SIMULTANEOUSLY USING A SINGLE ELECTRONIC DRIVE OPERATOR ADD 01		THROUGHOUT AT PERIMETER WINDOWS

RESTROOM ACCESSORIES SCHEDULE

TAG	EQUIPMENT	MANUFACTURER	ITEM/ MODEL NO.	COLOR	FINISH	SIZE	COMMENTS
GB-1	36" GRAB BAR	BOBRICK	1 1/4" DIA STAINLESS STEEL GRAB BAR WITH SNAP FLANGE - B-5806-1	STAINLESS STEEL	SATIN	36"	HORIZONTAL
GB-2	42" GRAB BAR	BOBRICK	1 1/4" DIA STAINLESS STEEL GRAB BAR WITH SNAP FLANGE - B-5806-1	STAINLESS STEEL	SATIN	42"	HORIZONTAL
MR-1	MIRROR	BOBRICK	MIRROR WITH STAINLESS STEEL CHANNEL FRAME B-165			24"W X 48"H	
HD-1	HAND DRYER	DYSON	LOW VOLTAGE AIRBLADE V HU02 307174-01	WHITE		15 1/2"X9 1/4"X4"D	
SD-1	SOAP DISPENSER - WALL	BOBRICK	AUTOMATIC WALL-MOUNTED SOAP DISPENSER B-2012	STAINLESS STEEL	SATIN	9 9/16"X4 3/16"X4 7/32"	
TTD-1/2	TOILET PAPER/SEAT COVER/ SANITARY NAPKIN DISPOSAL	BOBRICK	RECESSED TOILET SEAT COVER DISPENSER, SANITARY NAPKIN DISPOSAL, AND TOILET TISSUE DISPENSER B-3574	STAINLESS STEEL	SATIN	17 3/16"W X 30 5/8"H X 3 15/16"D	ROUGH WALL OPENING: 16"W X 29 1/4"H X 4"D
TSD-1	TOILET PAPER/SEAT COVER	BOBRICK	SURFACE MOUNTED TOILET SEAT COVER AND TOILET TISSUE DISPENSER B221	STAINLESS STEEL	SATIN	17 3/16"W X 30 5/8"H X 3 15/16"D	ROUGH WALL OPENING: 16"W X 29 1/4"HX4"D
WRC-1	PAPER TOWEL DISPENSER AND WASTE RECEPTACLE	BOBRICK	RECESSED CONVERTIBLE PAPER TOWEL DISPENSER AND WASTE RECEPTACLE B-3944	STAINLESS STEEL	SATIN		ROUGH WALL OPENING: 16"W X 54 3/4"H X 4"D

ALL FINISHES SHALL COMPLY WITH CBC CHAPTER 8, WITH TITLE 19 CCR, & 2019 CFC CHAPTER 8.
ALL FLOORING SHALL HAVE A COEFFICIENT OF FRICTION GREATER THAN 0.6, PER ASTM C1028.
ALL FINISHES SHALL BE CLASS C AND TESTED IN ACCORDANCE W/ ASTM E84 OR UL 723.

FINISH SCHEDULE GENERAL NOTES

A. SEE SPECIFICATION FOR PAINTING OF ITEMS NOT NOTED IN THE ROOM FINISH SCHEDULE OR FINISH PLANS.
B. EXPOSED CONCRETE FLOORS NOT SHOWN TO RECEIVE A FINISH SHALL RECEIVE LIQUID FLOOR TREATMENT OR CURING AND SEALING COMPOUND UNLESS NOTED OTHERWISE. SEE SPEC SECTION 033000.
C. ALL GYPSUM WALLBOARD BULKHEADS SHALL BE PAINTED PT-1 UNLESS NOTED OTHERWISE.
D. SEE REFLECTED CEILING PLANS FOR CEILING MATERIAL AND HEIGHT.
E. CEILING HEIGHTS, AS NOTED ON THE REFLECTED CEILING PLANS, ARE MEASURED FROM FINISH FLOOR OF THE ROOM.
F. CONTRACTOR SHALL FURNISH AND INSTALL WALL BASE AROUND CASEWORK AND MILLWORK.
G. WHERE FLOOR FINISH CHANGES FROM ONE ROOM TO ANOTHER, SET JOINT OF THE MATERIALS AT THE CENTER OF THE COMMUNICATING DOOR.
H. SEE SHEET A11.1 FOR TYPICAL TACKWALL DETAILS.
I. SEE SHEET A10.1 FOR ACOUSTICAL TACKWALL PANEL ELEVATIONS AND DIMENSIONS.
J. PROVIDE EDGE BAND AT ALL EDGES OF MDF DOORS AND DRAWER FRONTS TO MATCH DOOR/DRAWER FINISH. SUBMIT SAMPLE TO ARCHITECT FOR APPROVAL.

ROOM FINISH SCHEDULE TYPICAL NOTES

FLOOR NOTES:

F1. DEPRESS CONCRETE SLAB 2 INCHES FOR FLOOR TILE AND SETTING BED, TYPICAL.
F2. DEPRESS CONCRETE SLAB 3/8 INCH FOR RECESS FLOOR MAT AND FRAME. VERIFY RECESS DEPTH WITH MANUFACTURER.
F3. SEE SHEET A12.1 FOR FLOOR PATTERN.
F4. SEE SHEET A12.1 FOR FLOOR TILE PATTERN.
F5. THIN-SET TILE FLOORS.

WALL NOTES:

W1. SEE SHEET A2.1 & A10.1 FOR WALL TILE ELEVATIONS.
W2. WALL PROTECTION WAINSCOT TO 4'-0" ABOVE FINISH FLOOR.
W3. PAINT THE STORAGE & CUSTODIAL ROOM WALLS.
W4. REFER TO SHEET A10.1 FOR WALL ELEVATIONS INDICATING WALL FINISH AND AWP PATTERNS.

CEILING NOTES:

C1. SEE A3.1 AND A12.1 FOR CEILING ACCENT PAINT COLORS AND LOCATIONS.
C2. PAINT EXPOSED STRUCTURE PT-1, TYPICAL U.N.O.

MISCELLANEOUS ITEMS:

M1. PAINT ALL HANDRAILS PT-5.
M2. PAINT ALL INTERIOR DOORS AND FRAMES PT-6. PAINT ALL EXTERIOR DOORS AND FRAMES PER A4.1

LICENSED ARCHITECT ALBERICO MELE C-27590 12/31/2025 STATE OF CALIFORNIA

DLR GROUP © DLR Group

BATTLES BEARS

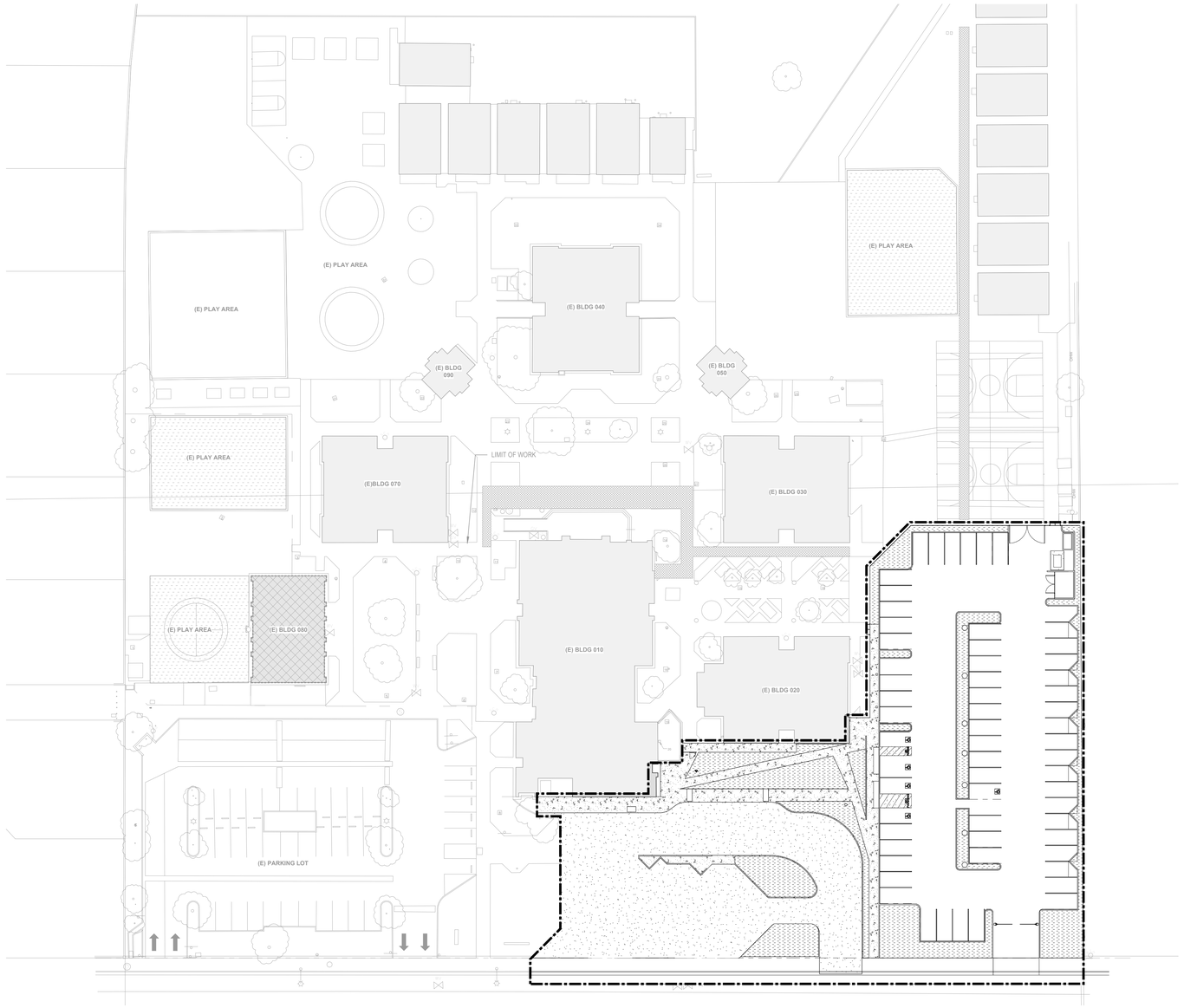
BATTLES ES - TK/K BUILDING
Santa Maria-Bonita School District
605 E Battles Rd, Santa Maria, CA 93454

CONSTRUCTION DOCUMENTS
12/16/2024
REVISIONS
ADD 01 2/5/2025 ADDENDUM 01
ADD 02 4/14/2025 ADDENDUM 02

DSA App: 03-124614
DSA File No: 42-48
75-24119-00

FINISH SCHEDULES

A12.0



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SUMMER 2025 WORK - EXHIBIT

SCALE: 1" = 30'-0"

PHASE 1 - SUMMER 2025 WORK

AREA OF SCOPE OF SUMMER WORK FOR PARKING LOT

SCOPE INCLUDES:

- PARKING LOT SURFACE WORK & STRIPING
- UNDERGROUND CONDUIT & INFRASTRACTURE (LIGHTS, POWER, EVs, BESS, MSA, LEV PANEL)
- EV CHARGING EQUIPMENT
- PARKING LOT CURBS, SIDEWALKS
- FENCING AND GATES
- MECHANICAL ENCLOSURES AND EQUIPMENT PADS
- SITE LIGHTING POLES AND FOOTINGS
- VEHICLE BARRIER GATE ARM AT EAST PARKING LOT ENTRANCE
- PLANTING AREAS WITH IRRIGATION
- RELOCATED HYDRANT
- (2) DRIVEWAYS AND RELATED PUBLIC RIGHT OF WAY WORK
- UTILITY WORK CONNECTIONS COMPLETE FOR FULLY FUNCTIONING CAMPUS INCLUDING BUT NOT LIMITED TO:
  - o SEWER,
  - o WATER,
  - o GAS,
  - o FIBER
  - o STORM DRAIN

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BATTLES ES - TK/K BUILDING

Santa Maria-Bonita School District

605 E Battles Rd, Santa Maria, CA 93454

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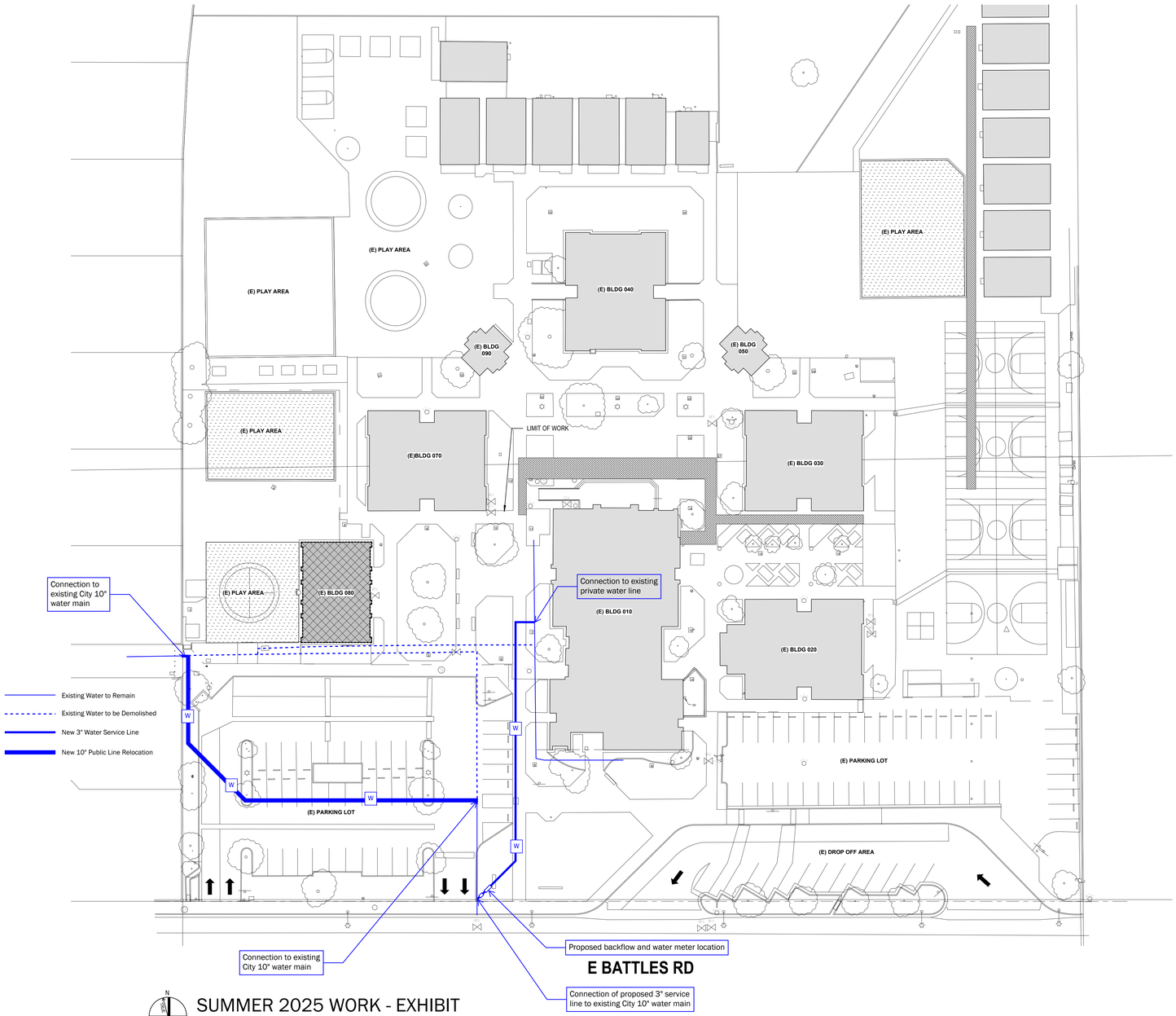
SUMMER 2025 WORK - EXHIBIT

ASK-001A

3/17/2025



SUMMER 2025 WORK - EXHIBIT

PHASE 1 - SUMMER 2025 WORK

· EXACT WATER LINE LOCATION IS NOT KNOWN, GC TO POTHOLE AND CONFIRM LOCATION PRIOR TO WORK. GC SHALL SHARE LOCATION AND FINDINGS WITH THE DISTRICT AND DESIGN TEAM.

· UTILITY WORK CONNECTIONS COMPLETE FOR FULLY FUNCTIONING CAMPUS INCLUDING BUT NOT LIMITED TO:
- o SEWER,
- o WATER,
- o GAS,
- o FIBER
- o STORM DRAIN

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BATTLES ES - TK/K BUILDING

Santa Maria-Bonita School District

605 E Battles Rd, Santa Maria, CA 93454

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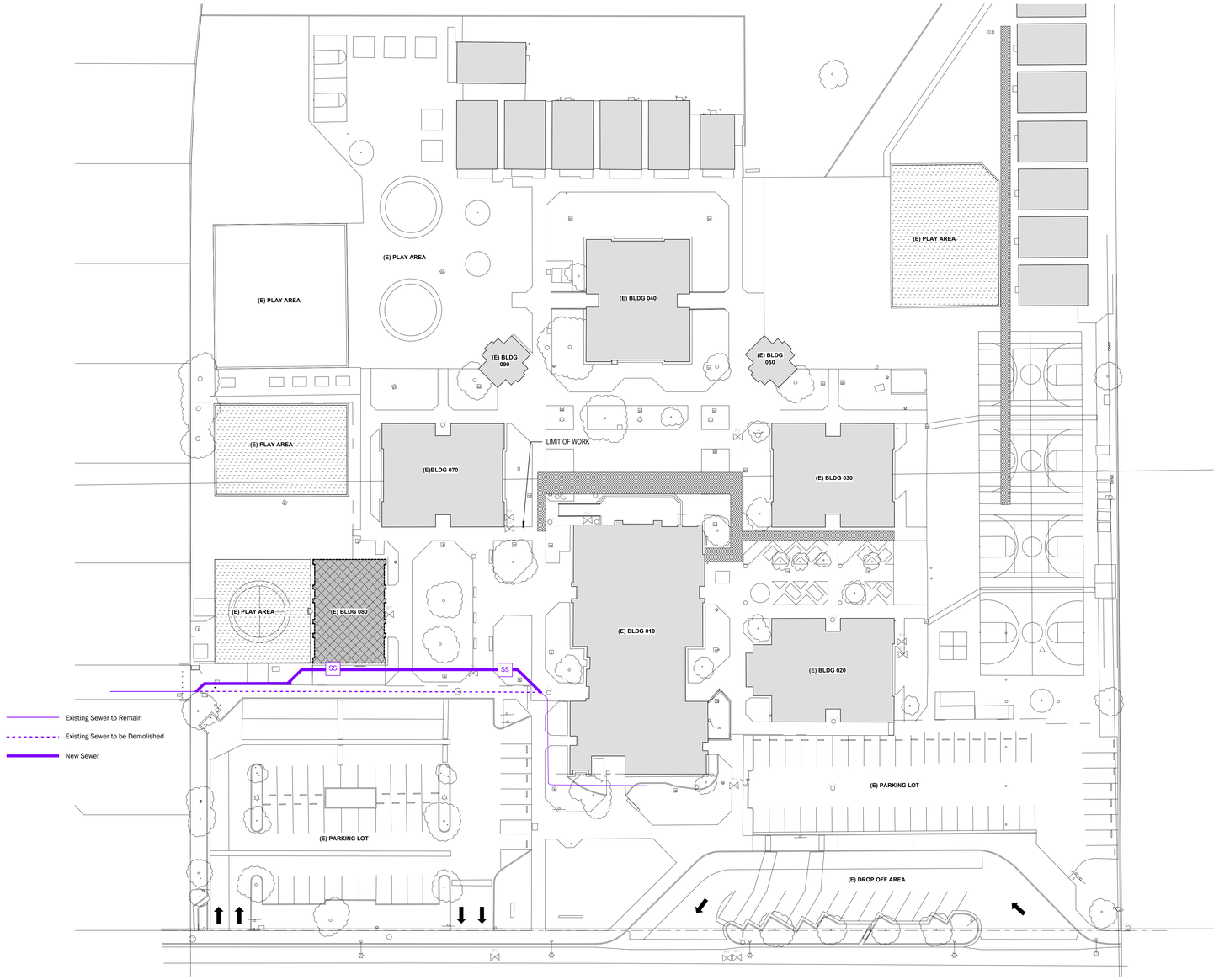
SUMMER 2025 WORK - EXHIBIT

ASK-001B

3/17/2025



E BATTLES RD

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SUMMER 2025 WORK - EXHIBIT

SCALE: 1" = 30'-0"

PHASE 1 - SUMMER 2025 WORK

· UTILITY WORK CONNECTIONS COMPLETE FOR FULLY FUNCTIONING CAMPUS INCLUDING BUT NOT LIMITED TO:
- o SEWER,
- o WATER,
- o GAS,
- o FIBER
- o STORM DRAIN

DLRGROUP

BATTLES ES - TK/K BUILDING

Santa Maria-Bonita School District

605 E Battles Rd, Santa Maria, CA 93454

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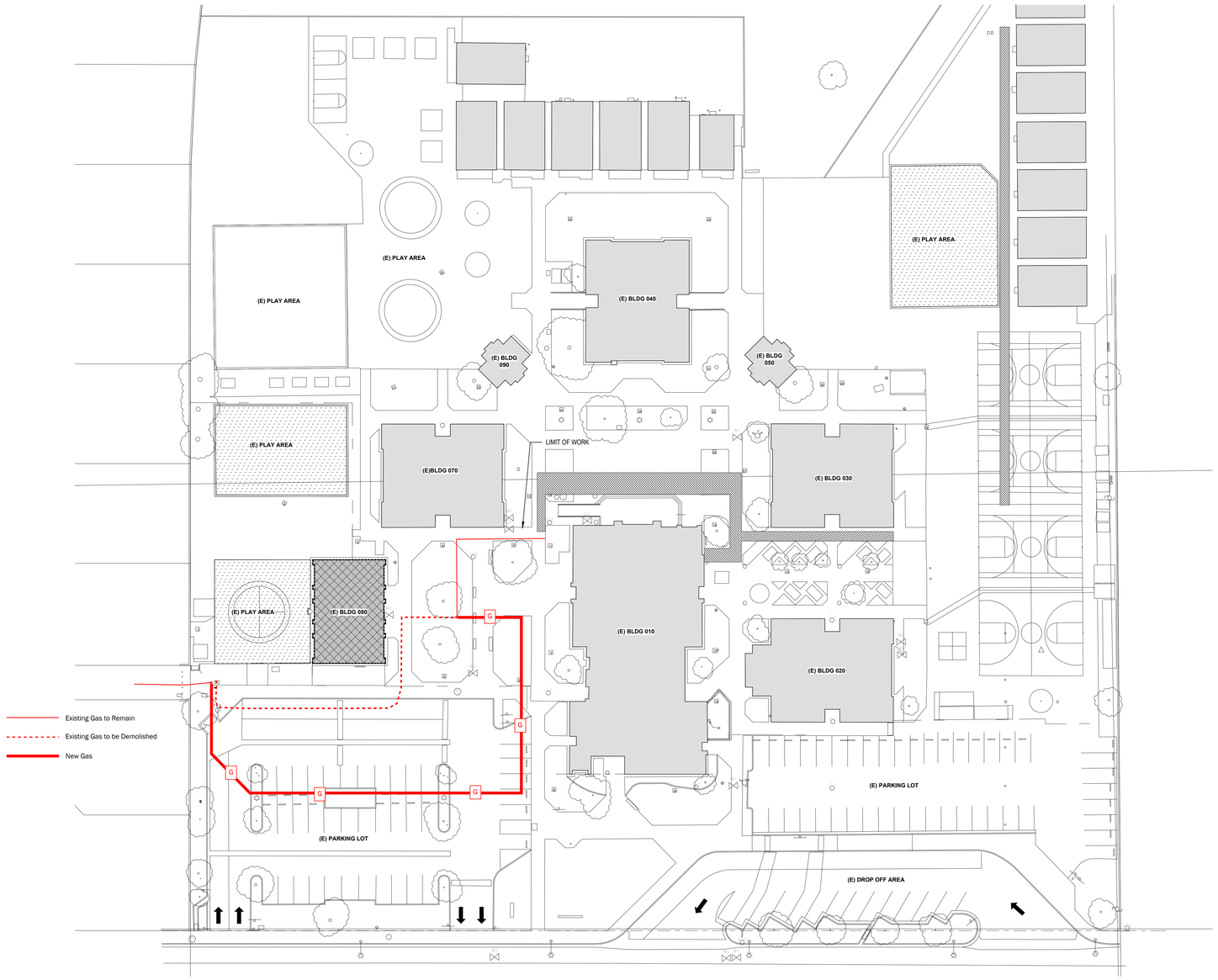
SUMMER 2025 WORK - EXHIBIT

ASK-001C

3/17/2025



E BATTLES RD

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SUMMER 2025 WORK - EXHIBIT

SCALE: 1" = 30'-0"

PHASE 1 - SUMMER 2025 WORK

· UTILITY WORK CONNECTIONS COMPLETE FOR FULLY FUNCTIONING CAMPUS INCLUDING BUT NOT LIMITED TO:
- o SEWER,
- o WATER,
- o GAS,
- o FIBER
- o STORM DRAIN

DLRGROUP

BATTLES ES - TK/K BUILDING

Santa Maria-Bonita School District

605 E Battles Rd, Santa Maria, CA 93454

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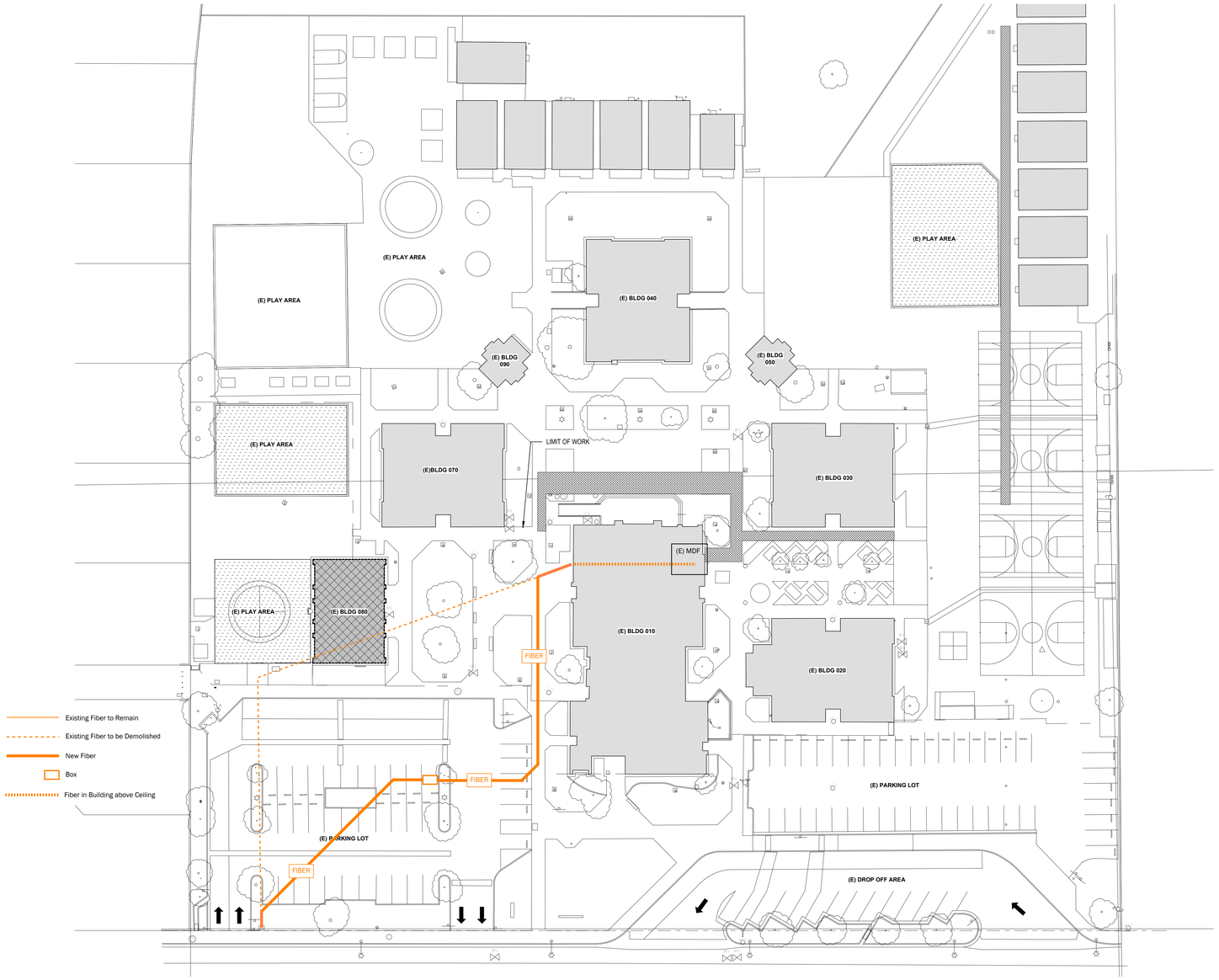
SUMMER 2025 WORK - EXHIBIT

ASK-001D

3/17/2025



E BATTLES RD

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SUMMER 2025 WORK - EXHIBIT

SCALE: 1" = 30'-0"

PHASE 1 - SUMMER 2025 WORK

· UTILITY WORK CONNECTIONS COMPLETE FOR FULLY FUNCTIONING CAMPUS INCLUDING BUT NOT LIMITED TO:
- o SEWER,
- o WATER,
- o GAS,
- o FIBER
- o STORM DRAIN

DLRGROUP

BATTLES ES - TK/K BUILDING

Santa Maria-Bonita School District

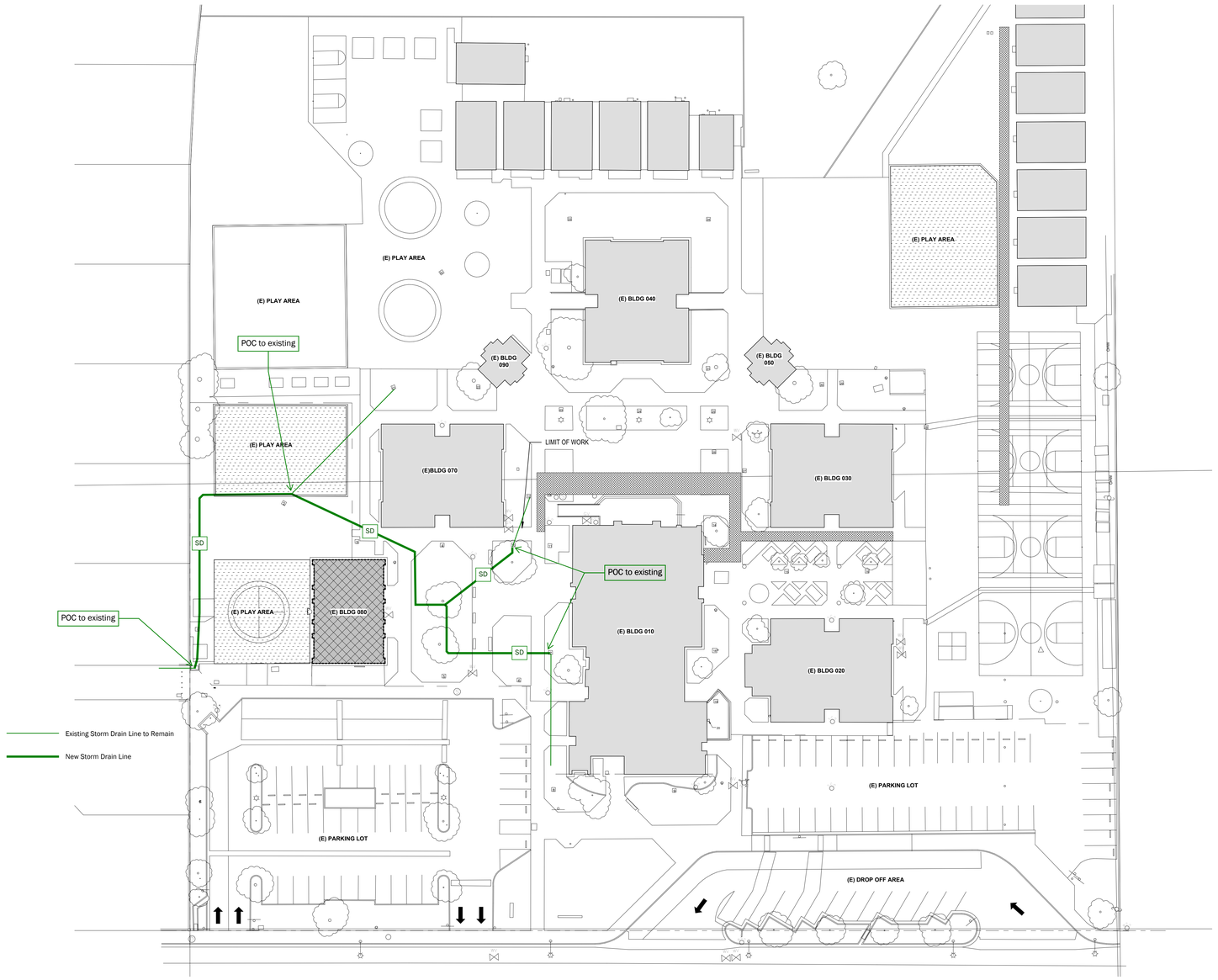
605 E Battles Rd, Santa Maria, CA 93454

DSA App: 03-124614
DSA File No: 42-48
75-24119-00

SUMMER 2025 WORK - EXHIBIT

ASK-001E

3/17/2025



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SUMMER 2025 WORK - EXHIBIT

SCALE: 1" = 30'-0"

PHASE 1 - SUMMER 2025 WORK

· EXACT WATER LINE LOCATION IS NOT KNOWN, GC TO POTHOLE AND CONFIRM LOCATION PRIOR TO WORK. GC SHALL SHARE LOCATION AND FINDINGS WITH THE DISTRICT AND DESIGN TEAM.

· UTILITY WORK CONNECTIONS COMPLETE FOR FULLY FUNCTIONING CAMPUS INCLUDING BUT NOT LIMITED TO:
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DLRGROUP

BATTLES ES - TK/K BUILDING

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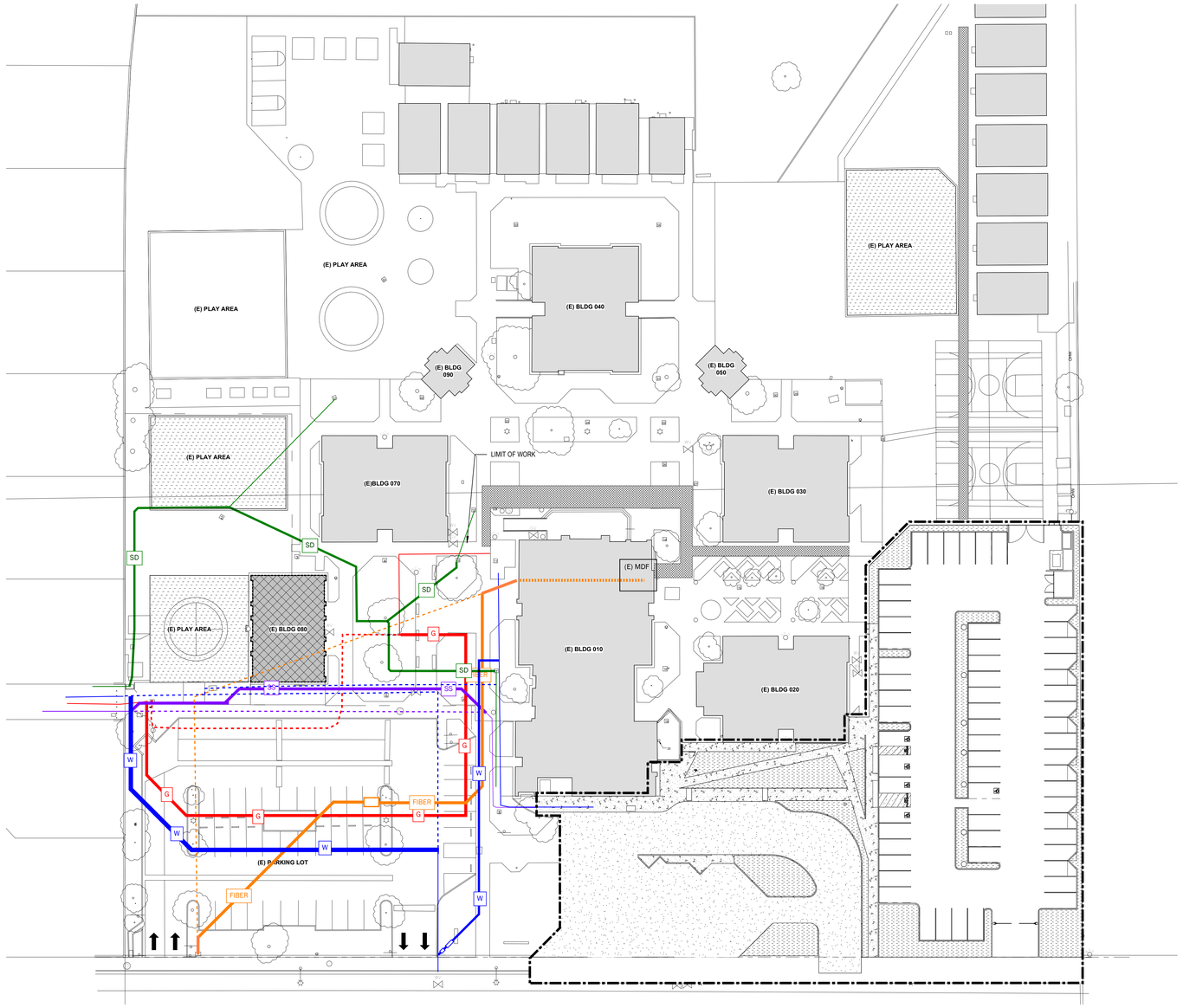
SUMMER 2025 WORK - EXHIBIT

ASK-001F

4/14/2025



SUMMER 2025 WORK - EXHIBIT

SCALE: 1" = 30'-0"

PHASE 1 - SUMMER 2025 WORK

AREA OF SCOPE OF SUMMER WORK FOR PARKING LOT

- UTILITY WORK CONNECTIONS COMPLETE FOR FULLY FUNCTIONING CAMPUS INCLUDING BUT NOT LIMITED TO:
  - o SEWER,
  - o WATER,
  - o GAS,
  - o FIBER
  - o STORM DRAIN

DLR GROUP
© DLR Group

BATTLES ES - TK/K BUILDING

Santa Maria-Bonita School District

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SUMMER 2025 WORK - EXHIBIT

ASK-001G

4/14/2025