

ADDENDUM NO. 1

March 16, 2021

Additions & Renovations to Pleasant Run Elementary School
1800 North Franklin Road
Indianapolis, IN 46219

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications and the Drawings dated February 26, 2021, by CSO Architects. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 1-1, Building Construction Phasing Schedule, Site Construction Phasing Schedule, and Addendum No. 1 from CSO Architects dated March 15, 2021, consisting of four (4) pages, Section 09 21 16 – Gypsum Board Shaft Wall Assemblies, Revised Section 10 11 00 – Visual Display Units and Addendum drawings A401, C101, C301, C401, C501, C502, C503, C702, L101, L110, L210, L211, L212, L213, L500, S101, S102, S103, S104, S301, S711, S712.

A. SPECIFICATION SECTION 01 12 00 – MULTIPLE CONTRACT SUMMARY

1. Paragraph 3.03 Bid Categories

D. Bid Category No. 4 – Metal Studs, Drywall & Ceilings

1. Add the following Specification Section:

09 21 16 – Gypsum Board Shaft Wall Assemblies

B. SPECIFICATION SECTION 01 32 00 – SCHEDULES AND REPORTS

1. Paragraph 1.03 Guideline Schedule

Attached with this Addendum is a Building Construction Phasing Plan and a Site Construction Phasing Plan.

ADDENDUM

ADDENDUM NO: 1

BID PACKAGE NO:

PROJECT: PLEASANT RUN ELEMENTARY SCHOOL RENOVATION & ADDITION

PROJECT NO: 2020061

DATE: March 15, 2021

BY: Lisa Roberson



This Addendum is issued in accordance with the provisions of "The General Conditions of the Contract for Construction," Article 1, "Contract Documents" and becomes a part of the Contract Documents as provided therein. This Addendum includes:

Addendum Pages: ADD 1 of 1 Through ADD 1 of 4

Attached Documents: Specification SECTION 09 21 16 – GYPSUM BOARD SHAFT WALL ASSEMBLIES
Specification SECTION 10 11 00 – VISUAL DISPLAY UNITS
Drawing Sheet A401 – WALL SECTIONS
CONTEXT Civil/Site ADDENDUM NO: 1
LHB Structural ADDENDUM #1

PART 0 - GENERAL INFORMATION

0.1 NOT USED

PART 1 - BIDDING REQUIREMENTS

1.1 NOT USED

PART 2 - SPECIFICATIONS

2.1 TABLE OF CONTENTS

A. Add SECTION 09 21 16 - GYPSUM BOARD SHAFT WALL ASSEMBLIES to Table of Contents.

2.2 SECTION 09 21 16 – GYPSUM BOARD SHAFT WALL ASSEMBLIES

A. Add SECTION 09 21 16 – GYPSUM BOARD SHAFT WALL ASSEMBLIES, attached to this addendum.

2.3 SECTION 10 11 00 – VISUAL DISPLAY UNITS

A. Delete Section in its entirety and replace with revised SECTION 10 11 00 – VISUAL DISPLAY UNITS, attached to this addendum.

2.4 SECTION 10 22 33 – ACCORDION FOLDING PARTITIONS

A. Revise 2.01, A.1 as follows:

1. Basis of Design: Modernfold Soundmaster 8 or approved equivalent by listed manufacturers.

- a. Modernfold, Inc.
- b. Panelfold Inc.
- c. Hufcor Inc.
- d. Moderco Inc.

- B. Revise 2.01, C as follows:

1. STC Rating: 39 minimum

2.5 SECTION 11 52 13 – PROJECTION SCREENS

- A. Revise 2.02, B.1 b. as follows:

1. Draper, Inc.; Ultimate Access XL V

PART 3 - DRAWINGS

ARCHITECTURAL

3.1 AD201 – OVERALL FIRST FLOOR DEMOLITION PLAN

- A. At GENERAL DEMOLITION NOTES ADD the following:

"S. REMOVE EXISTING TACK STRIPS AT ALL CORRIDORS COMPLETE. TACK STRIPS ARE GENERALLY (BUT NOT EXCLUSIVELY) LOCATED HORIZONTALLY IN-BETWEEN STRUCTURAL GLAZED FACING TILE WAINSCOT AND UPPER PART OF WALL. PATCH AND REPAIR SURACES AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SEE A200 AND A800 SERIES DRAWINGS FOR NEW TACK STRIPS AT ALL CORRIDORS."

3.2 AD201A – FIRST FLOOR DEMOLITION PLAN – UNIT A

- A. At main entry VESTIBULE to RECEPTION, add Keyed Demolition Note 30 to borrowed lites between the two spaces that are currently not noted (see Openings BLA100-1 and BLA100-2 on Sheet A201A).

3.3 A201 – OVERALL FIRST FLOOR PLAN

- A. At GENERAL NOTES ADD the following

"II. PROVIDE NEW 2" TACK STRIPS AT ALL EXISTING AND NEW CORRIDORS. PROVIDE NEW TACK STRIPS AT TOP OF EXISTING STRUCTURAL GLAZED FACING TILE WAINSCOT AT EXISTING CORRIDOR WALLS AND AT TOP OF NEW TILE WAINSCOT AT EXISTING AND NEW CORRIDOR WALLS. SEE ALSO A800 SERIES SHEETS FOR FURTHER INFORMATION AND

DETAILS. CORRIDORS TO RECEIVE NEW TACK STRIPS TO INCLUDE #S A137, A147, A150, A153, A155, A165, B100, B108, B111, C100, C112, C118, C119, C131, C133."

3.4 A201A – FIRST FLOOR PLAN – UNIT A

- A. At Sp.Ed Resource A139, Add Specialty Equipment Tag TB1 (20') (ABOVE) at South Wall.
- B. At Classroom A148, Add Specialty Equipment Tag TB1 (20') (ABOVE) at East Wall and Add Specialty Equipment Tag TB11 (8') (ABOVE) at South Wall.

3.5 A201B – FIRST FLOOR PLAN – UNIT B

- A. At Classroom B101, Add Specialty Equipment Tag TB1 (20') (ABOVE) at East Wall and Add Specialty Equipment Tag TB11 (8') (ABOVE) at South Wall.
- B. At Classroom B115, Add Specialty Equipment Tag TB1 (20') (ABOVE) At East Wall.

3.6 A201C – FIRST FLOOR PLAN – UNIT C

- A. 1/A201C – FIRST FLOOR PLAN – UNIT C
 - 1. Revise all Keyed Plan Notes #49 at Corridor C112 and Vestibule C113 to read #48 in lieu of #49.

3.7 A401 THRU A407 – WALL SECTIONS

- A. At all WALL SECTIONS, replace any reference to Cavity Weeps and/or Vents to "16" O.C. MAX." in lieu of either note "24" O.C. MAX." or "2'-0" O.C. MAX.

3.8 A401 – WALL SECTIONS

- A. Delete Sheet in its entirety and replace with revised Sheet A401 – WALL SECTIONS, attached to this Addendum.

3.9 A405 – WALL SECTIONS

- A. At Wall SECTION 2/A405, replace "3 5/8" METAL STUDS AT 16" O.C." with "2 1/2" "STUDS AT 16" O.C."

3.10 A501 – DOOR SCHEDULE & OPENING ELEVATIONS

- A. KEYED REMARKS – Replace Keyed Remark #1 with the following:
 - 1. "1. FIELD VERIFY ALL EXISTING CONDITIONS – EXISTING GLAZING IN ALUMINUM STOREFRONT DOORS AND FRAMES INCLUDING SIDELITES AND TRANSOMS TO BE REPLACED WITH SCHOOL GUARD GLASS TO MIN 7'-0". SEE SCHEDULE FOR GLASS TYPE AT EACH LOCATION."

3.11 A600 – CASEWORK AND SPECIALTY EQUIPMENT SCHEDULES

A. SPECIALTY EQUIPMENT SCHEDULE

1. Revise MB1, MB2, MB3 and MB4 Model #s to read "SEE SPECS"
2. Revise OP2 Model # to read "Modernfold Soundmaster 8"
3. Revise PS1 Model No. to read "Ultimate Access XLV"
4. Revise PS2 Model No. to read "Ultimate Access XLV"
5. Add TB11 Specialty Equipment Item – same as Tackboard TB1 except 8' -0"W.

3.12 A702 – ENLARGED RESTROOM PLANS

A. TOILET ACCESSORY SCHEDULE

1. Revise T7E Model # to be 780 1824

PART 4 - OTHER ITEMS

4.1 NOT USED

PART 5 - QUESTION AND ANSWER

5.1 NOT USED

END ADDENDUM

SECTION 09 21 16 - GYPSUM BOARD SHAFT WALL ASSEMBLIES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. Section Includes: Gypsum board shaft wall assemblies (including horizontal assembly at ceiling).

1.03 ACTION SUBMITTALS

- A. Product Data: For each component of gypsum board shaft wall assembly.

1.04 INFORMATIONAL SUBMITTALS

- A. Evaluation Reports: For **[shaft wall assemblies]** **[firestop tracks]**, from ICC-ES.
- B. Fire-Test-Response Reports: From a qualified independent testing and inspecting agency substantiating each gypsum board shaft-wall assembly's required fire-resistance rating.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Store materials inside under cover and keep them dry and protected against weather, condensation, direct sunlight, construction traffic, and other potential causes of damage. Stack panels flat and supported on risers on a flat platform to prevent sagging.

1.06 FIELD CONDITIONS

- A. Environmental Limitations: Comply with ASTM C 840 requirements or with gypsum board manufacturer's written recommendations, whichever are more stringent.
- B. Do not install interior products until installation areas are enclosed and conditioned.
- C. Do not install panels that are wet, moisture damaged, or mold damaged.
 - 1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, and irregular shape.
 - 2. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

PART 2 - PRODUCTS

2.01 PERFORMANCE REQUIREMENTS

- A. Fire-Resistance-Rated Assemblies: For fire-resistance-rated assemblies, provide materials and construction identical to those tested in assembly indicated according to ASTM E 119 by an independent testing agency.

- B. General: Except as otherwise indicated or required by governing regulations, provide the manufacturer's standard materials specified in his published product literature for the system and application required.
- C. Deflection Limit: L/240.
- D. Fire-Resistance Rating: **As indicated.**
 - 1. **(152 mm)]**.
 - 2. Minimum Base-Metal Thickness: **0.033 inch (0.84 mm)** .
- E. Runner Tracks: Manufacturer's standard J-profile track with manufacturer's standard long-leg length, but at least **2 inches (51 mm)** long and matching studs in depth.
 - 1. Minimum Base-Metal Thickness: **0.033 inch (0.84 mm)]** .
- F. Firestop Tracks: Provide firestop track at head of shaft wall on each floor level.
- G. Room-Side Finish: **Gypsum board.**
- H. Shaft-Side Finish: **Gypsum shaftliner board, moisture- and mold-resistant Type X**
- I. Insulation: Sound attenuation blankets.

2.02 PANEL PRODUCTS

- A. Panel Size: Provide in maximum lengths and widths available that will minimize joints in each area and that correspond with support system indicated.
- B. Gypsum Shaftliner Board, Type X: ASTM C 1396/C 1396M; manufacturer's proprietary fire-resistive liner panels with paper faces.
 - 1. Products: Subject to compliance with requirements, provide one of the following:
 - a. American Gypsum; Shaft Liner.
 - b. CertainTeed Corp.; ProRoc Shaftliner.
 - c. Georgia-Pacific Gypsum LLC, Subsidiary of Georgia Pacific; ToughRock Fireguard Shaftliner.
 - d. Lafarge North America, Inc.; Firecheck Type X Shaftliner.
 - e. National Gypsum Company; Gold Bond Brand Fire-Shield Shaftliner.
 - f. Temple-Inland Inc.; Fire-Rated SilentGuard Gypsum Shaftliner System.
 - g. USG Corporation; Sheetrock Brand Shaft Wall System.
 - 2. Thickness: 1 inch **(25.4 mm)**.
 - 3. Long Edges: Double bevel.
- C. Gypsum Shaftliner Board, Moisture- and Mold-Resistant Type X: ASTM C 1396/C 1396M; manufacturer's proprietary fire-resistive liner panels with moisture- and mold-resistant core and surfaces.
 - 1. Products: Subject to compliance with requirements, provide one of the following:
 - :

- a. [CertainTeed Corp.](#); ProRoc Moisture and Mold Resistant Shaftliner.
 - b. [Georgia-Pacific Gypsum LLC](#), Subsidiary of Georgia Pacific; Dens-Glass Ultra Shaftliner.
 - c. [Lafarge North America, Inc.](#); Firecheck Moldcheck Type X Shaftliner.
 - d. [National Gypsum Company](#); Gold Bond Brand Fire-Shield Shaftliner XP.
 - e. [Temple-Inland Inc.](#); Fire-Rated SilentGuard TS Mold-Resistant Gypsum Shaftliner System.
 - f. [USG Corporation](#); Sheetrock Brand Mold Tough Gypsum Liner Panel.
2. Thickness: 1 inch (25.4 mm).
 3. Long Edges: Double bevel.
 4. Mold Resistance: ASTM D 3273, score of 10 as rated according to ASTM D 3274.

D. Gypsum Board: As specified in Division 09 Section "Gypsum Board."

2.03 NON-LOAD-BEARING STEEL FRAMING

- A. Steel Framing Members: Comply with ASTM C 645 requirements for metal unless otherwise indicated.
 1. Protective Coating: **G40 (Z120), hot-dip galvanized [ASTM A 653/A 653M]**
- B. Firestop Tracks: Top runner manufactured to allow partition heads to expand and contract with movement of the structure while maintaining continuity of fire-resistance-rated assembly indicated; in thickness not less than indicated for studs and in width to accommodate depth of studs.
 1. [Products](#): Subject to compliance with requirements, provide one of the following:
 - a. [Fire Trak Corp.](#); Fire Trak System[**attached to studs with Fire Trak Posi Klip**].
 - b. [Grace Construction Products](#); FlameSafe FlowTrak System.
 - c. [Metal-Lite, Inc.](#); The System.
 - d. [Steel Network Inc.](#) (The); **[VertiClip SLD] [VertiTrack VTD] Series**.

2.04 AUXILIARY MATERIALS

- A. General: Provide auxiliary materials that comply with manufacturer's written recommendations.
- B. Trim Accessories: Cornerbead, edge trim, and control joints of material and shapes as specified in Division 09 **[Section "Gypsum Board"] [Section "Gypsum Veneer Plastering"]** that comply with gypsum board shaft wall assembly manufacturer's written recommendations for application indicated.
- C. Steel Drill Screws: ASTM C 1002 unless otherwise indicated.
- D. Track Fasteners: Power-driven fasteners of size and material required to withstand loading conditions imposed on shaft wall assemblies without exceeding allowable design stress of track, fasteners, or structural substrates in which anchors are embedded.
- E. Sound Attenuation Blankets: As specified in Division 09 Section "Gypsum Board."

- F. Acoustical Sealant: As specified in Division 09 Section "Gypsum Board."

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine substrates to which gypsum board shaft wall assemblies attach or abut, with Installer present, including anchors, and structural framing. Examine for compliance with requirements for installation tolerances and other conditions affecting performance.
- B. Examine panels before installation. Reject panels that are wet, moisture damaged, or mold damaged.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. General: Install gypsum board shaft wall assemblies to comply with requirements of fire-resistance-rated assemblies indicated, manufacturer's written installation instructions, and ASTM C 754 other than stud-spacing requirements.
- B. Install supplementary framing in gypsum board shaft wall assemblies around openings and as required for blocking, bracing, and support of gravity and pullout loads of ducts, fixtures, equipment, services, heavy trim, furnishings, suspended ceilings, and similar items that cannot be supported directly by shaft wall assembly framing.
- C. Penetrations: At penetrations in shaft wall, maintain fire-resistance rating of shaft wall assembly by installing supplementary steel framing around perimeter of penetration and fire protection behind boxes containing wiring devices, ducts, piping and similar items.
- D. Isolate perimeter of gypsum panels from building structure to prevent cracking of panels, while maintaining continuity of fire-rated construction.
- E. Firestop Tracks: Where indicated, install to maintain continuity of fire-resistance-rated assembly indicated.
- F. Control Joints: Install control joints according to ASTM C 840 and in specific locations approved by Architect while maintaining fire-resistance rating of gypsum board shaft wall assemblies.
- G. Sound-Rated Shaft Wall Assemblies: Seal gypsum board shaft walls with acoustical sealant at perimeter of each assembly where it abuts other work and at joints and penetrations within each assembly.
- H. Seal gypsum board shaft walls with acoustical sealant at perimeter of each assembly where it abuts other work and at joints and penetrations within each assembly. Install acoustical sealant to withstand dislocation by air-pressure differential between shaft and external spaces; maintain an airtight and smoke-tight seal; and comply with manufacturer's written instructions or ASTM C 919, whichever is more stringent.
 - 1. Slope cant panels at least 75 degrees from horizontal. Set base edge of panels in adhesive and secure top edges to shaft walls at 24 inches o.c. with screws fastened to shaft-wall framing.

2. Where steel framing is required to support gypsum board cants, install framing at 24 inches o.c. and extend studs from the projection to the shaft-wall framing.
- I. Installation Tolerance: Install each framing member so fastening surfaces vary not more than 1/8 inch (3 mm) from the plane formed by faces of adjacent framing.

3.03 PROTECTION

- A. Protect installed products from damage from weather, condensation, direct sunlight, construction, and other causes during remainder of the construction period.
- B. Remove and replace panels that are wet, moisture damaged, or mold damaged.
 1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, and irregular shape.
 2. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

END OF SECTION

SECTION 10 11 00 - VISUAL DISPLAY UNITS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. Section Includes:
 - 1. Markerboards.
 - 2. Tackboards.
 - 3. Tackable Wall Panels & Edge Trim
 - 4. Tackable Panels glazed in hollow metal frames at Classrooms.
 - 5. Markerboard conversions of chalkboards
 - 6. Tack Strips (Display Rails at Corridors)

1.03 DEFINITIONS

- A. Tackboard: Framed or unframed, tackable, visual display board assembly.
- B. Visual Display Board Assembly: Visual display surface that is factory fabricated into composite panel form, either with or without a perimeter frame; includes chalkboards, markerboards, and tackboards.
- C. Visual Display Surface: Surfaces that are used to convey information visually, including surfaces of chalkboards, markerboards, tackboards, and surfacing materials that are not fabricated into composite panel form but are applied directly to walls.
- D. Markerboard Conversion: Surface applied adhesive-backed metal sheets with dry-erase surface finish.

1.04 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for visual display surfaces.
- B. Shop Drawings: For visual display surfaces. Include plans, elevations, sections, details, and attachments to other work.
 - 1. Show locations of panel joints. Panel joints shall not occur at the center of markerboard units where the markerboard is the projection surface for projectors.
 - 2. Include sections of typical trim members.
- C. Samples for Verification: For each type of visual display surface indicated.
 - 1. Visual Display Surface: Not less than 8-1/2 by 11 inches (215 by 280 mm), mounted on substrate indicated for final Work. Include one panel for each type, color, and texture required.

2. Trim: 6-inch- (152-mm-) long sections of each trim profile.
3. Accessories: Full-size Sample of each type of accessory.

- D. Product Schedule: For visual display surfaces. Use same designations indicated on Drawings.

1.05 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For qualified Installer.
- B. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for surface-burning characteristics of fabrics.
- C. Warranties: Sample of special warranties.

1.06 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For visual display surfaces to include in maintenance manuals.

1.07 QUALITY ASSURANCE

- A. Source Limitations: Obtain visual display surfaces from single source from single manufacturer.
- B. Surface-Burning Characteristics: As determined by testing identical products according to ASTM E 84 by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 1. Flame-Spread Index: 25 or less.
 2. Smoke-Developed Index: 450 or less.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. Deliver factory-built visual display surfaces, including factory-applied trim where indicated, completely assembled in one piece without joints, where possible. If dimensions exceed maximum manufactured panel size, provide two or more pieces of equal length as acceptable to Architect. When overall dimensions require delivery in separate units, pre-fit components at the factory, disassemble for delivery, and make final joints at the site.
- B. For Snap-On Aluminum Trim units where indicated, deliver visual display surfaces, including markerboard and tackboard surfaces and trim in stock lengths as required to minimize joints. If dimensions exceed maximum manufactured panel size, provide two or more pieces of equal length as acceptable to Architect.
- C. Store visual display surfaces vertically with packing materials between each unit.

1.09 PROJECT CONDITIONS

- A. Environmental Limitations: Do not deliver or install visual display surfaces until spaces are enclosed and weathertight, wet work in spaces is complete and dry, work above ceilings is complete, and temporary HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.

- B. Field Measurements: Verify actual dimensions of construction contiguous with visual display surfaces by field measurements before fabrication.
 - 1. Allow for trimming and fitting where taking field measurements before fabrication might delay the Work.

1.10 WARRANTY

- A. Special Warranty for Porcelain-Enamel Face Sheets: Manufacturer's standard form in which manufacturer agrees to repair or replace porcelain-enamel face sheets that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Surfaces lose original writing and erasing qualities.
 - b. Surfaces exhibit crazing, cracking, or flaking.
 - 2. Warranty Period: 50 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.01 MATERIALS, GENERAL

- A. Porcelain-Enamel Face Sheet: Manufacturer's standard steel sheet with porcelain-enamel coating fused to steel; uncoated thickness indicated.
 - 1. Gloss Finish: Dry-erase markers wipe clean with dry cloth or standard eraser.
- B. Plastic-Impregnated Cork Sheet: Seamless, homogeneous, self-sealing sheet consisting of granulated cork, linseed oil, resin binders, and dry pigments that are mixed and calendared onto fabric backing; with washable vinyl finish and integral color throughout with surface-burning characteristics indicated.
- C. Particleboard: ANSI A208.1, Grade M-1.
- D. Extruded Aluminum: ASTM B 221 (**ASTM B 221M**), Alloy 6063.

2.02 MARKERBOARD ASSEMBLIES

- A. Porcelain-Enamel Markerboards: Balanced, high-pressure, factory-laminated marker-board assembly of three-ply construction consisting of backing sheet, core material, and 0.013-inch- thick, porcelain-enamel face sheet with white finish.
 - 1. Basis of Design: Claridge, Series 1 except as noted below.
 - 2. Basis of Design at Classrooms and STEM room (where new 'composite' boards are required with Tackboards above and at sides of Markerboards to match existing): Claridge Snap-on Trim Series.
 - 3. Face Sheet: LCS³ porcelain enamel steel markerboard.
 - 4. Core: Minimum 7/16 inch thick, medium density fiberboard with manufacturer's standard moisture-barrier backing.
 - 5. Laminating Adhesive: Manufacturer's standard, moisture-resistant thermoplastic type.
 - 6. Frame: 5/16 inch thick
 - 7. Color: White, suitable for a projection surface.

- B. Dry-erase Markerboard Conversion: – Claridge LCS-II EZ Stick Skins.
 - 1. Seams shall not occur at center of visual display unit where dry-erase surface is the projection surface for a projector.

2.03 TACKBOARD ASSEMBLIES

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following :
 - 1. AARCO Products, Inc.
 - 2. ADP Lemco, Inc.
 - 3. Best-Rite Manufacturing.
 - 4. Claridge Products and Equipment, Inc.
 - 5. Marsh Industries, Inc.; Visual Products Group.
 - 6. PolyVision Corporation; a Steelcase company.
- B. Cork Tackboard: 1/4-inch- thick, natural, burlap-backed, cork sheet factory laminated to 3/8-inch- thick fiberboard backing.
 - 1. Basis of Design: Claridge, Tackboard with Claridge Cork or approved equivalent by listed manufacturers.
 - 2. Color to be selected from manufacturer's full selection.

2.04 MARKERBOARD AND TACKBOARD ACCESSORIES

- A. Aluminum Frames and Trim: Trim shall be 6063 alloy grade aluminum with T5 tempering in accordance with ASTM B221 and shall have a 201-R1 satin anodize finish.
 - 1. Factory-Built Trim:
 - a. Claridge Series: Series 1 with 1 ½" wide trim face.
 - 2. Snap-on Aluminum Trim:
 - a. Claridge Series: Snap-On Aluminum Trim Series field installed with no visible fasteners.
- B. Marker Tray. Continuous hollow aluminum tray with cast aluminum end closures at bottom of each markerboard.
- C. Display Rail: Manufacturer's standard, extruded-aluminum display rail with cork insert, end stops, designed to hold accessories.
 - 1. Size:
 - a. Height as indicated on drawings for classrooms where integral with visual display board assembly.
 - b. Color to match adjacent display surfaces, where applicable or as otherwise selected by Architect from full range of industry colors.
 - c. New 2" Tack Strip (Display Rail) located at top of existing Structural Glazed Facing Tile Wainscot and at top of new Tile Wainscot in corridors to be Claridge Display Rail 74EZ model. Plastic impregnated cork insert color to be selected by Architect from full range of industry colors and to

be shipped in roll to minimize joints. Provide curved outside corners where required and mitered inside corners and accessories as required for continuous, workmanlike installation."

2. Tackboard Insert Color: As selected by Architect from full range of industry colors.
3. Aluminum Color: Match finish of visual display assembly trim.

2.05 TACKABLE WALL ASSEMBLIES

1. AARCO Products, Inc.
 2. ADP Lemco, Inc.
 3. Best-Rite Manufacturing.
 4. Claridge Products and Equipment, Inc.
 5. Marsh Industries, Inc.; Visual Products Group.
 6. PolyVision Corporation; a Steelcase company.
- B. Cork Tackboard: 1/4-inch- thick, natural, burlap-backed, cork sheet factory laminated to 1/4-inch- tempered hardboard backing.
1. Basis of Design: Claridge, Tackboard with Claridge Cork or approved equivalent by listed manufacturers.
 2. Color as indicated on Drawings.
 3. Locations: Exterior walls of classrooms
 4. Seams: Where wall area exceeds size of cork sheet, mitered joints are required. T-splines shall not be used.
 5. Edge Trim: Edge trim shall be Schluter Systems Jolly, aluminum.

2.06 FABRICATION

- A. Porcelain-Enamel Visual Display Assemblies: Laminate porcelain-enamel face sheet and backing sheet to core material under heat and pressure with manufacturer's standard flexible, waterproof adhesive.
- B. Visual Display Boards: Factory assemble visual display boards unless otherwise indicated. Field assemble visual display boards where indicated.
1. Where factory-applied trim is indicated, trim shall be assembled and attached to visual display boards at manufacturer's factory before shipment.
- C. Factory-Assembled Visual Display Units: Coordinate factory-assembled units with trim and accessories indicated. Join parts with a neat, precision fit.
1. Make joints only where total length exceeds maximum manufactured length. Fabricate with minimum number of joints, as indicated on approved Shop Drawings. Where joints are required, do not locate joints at center of unit where the visual display surface is the projection surface for a projector.
 2. Provide manufacturer's standard vertical-joint spline system between abutting sections of markerboards.
 3. Provide manufacturer's standard mullion trim at joints between markerboards and tackboards of combination units.
 4. Where size of visual display boards or other conditions require support in addition to normal trim, provide structural supports or modify trim as indicated or as

selected by Architect from manufacturer's standard structural support accessories to suit conditions indicated.

- D. Aluminum Frames and Trim: Fabricate units straight and of single lengths, keeping joints to a minimum. Miter corners to a neat, hairline closure.
 - 1. Where factory-applied trim is indicated, trim shall be assembled and attached to visual display units at manufacturer's factory before shipment.
 - 2. Where field-applied Snap-On Trim is indicated, trim shall be assembled and attached to visual display units in field per manufacturer's requirements.
- E. Tackable Panels Glazed into Existing Hollow Metal Door Sidelite Frames: Coordinate shop-assembled units with hollow metal openings to receive tackable panels.
 - 1. Adhere cork to hardboard backing to secure all pieces.
 - 2. Back-roll pieces tight for 24 hours before cutting and adhering to hardboard backing.
 - 3. Edge Trim: Edge trim shall be Schluter Systems Jolly, aluminum.
 - 4. Apply uniform pressure until adhesive is fully set.

2.07 GENERAL FINISH REQUIREMENTS

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.08 ALUMINUM FINISHES

- A. Clear Anodic Finish: AAMA 611, AA-M12C22A31, Class II, 0.010 mm or thicker.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances, surface conditions of wall, and other conditions affecting performance of the Work.
- B. Examine walls and partitions for proper preparation and backing for visual display surfaces.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. Comply with manufacturer's written instructions for surface preparation.

- B. Clean substrates of substances that could impair the performance of and affect the smooth, finished surfaces of visual display boards, including dirt, mold, and mildew.
- C. Prepare surfaces to achieve a smooth, dry, clean surface free of flaking, unsound coatings, cracks, defects, projections, depressions, and substances that will impair bond between visual display surfaces and wall surfaces.

3.03 INSTALLATION, GENERAL

- A. General: Install visual display surfaces in locations and at mounting heights indicated on Drawings, or if not indicated, at heights indicated below. Keep perimeter lines straight, level, and plumb. Provide grounds, clips, backing materials, adhesives, brackets, anchors, trim, and accessories necessary for complete installation.
 - 1. Mounting Height for Grades K through 3: 24 inches (610 mm) above finished floor to top of chalktray.
 - 2. Mounting Height for Grades 4 through 6: 28 inches (711 mm) above finished floor to top of chalktray.
 - 3. Mounting Height for Grades 7 and Higher: 36 inches (914 mm) above finished floor to top of chalktray.

3.04 INSTALLATION OF FACTORY-FABRICATED VISUAL DISPLAY BOARDS AND ASSEMBLIES

- A. Visual Display Boards: Attach concealed clips, hangers, and grounds to wall surfaces and to visual display boards with fasteners at not more than 16 inches (400 mm) o.c. Secure both top and bottom of boards to walls.
 - 1. Field-Applied Aluminum Trim: Attach trim over edges of visual display boards and conceal grounds and clips. Attach trim to boards with fasteners at not more than 24 inches (610 mm) o.c.
 - a. Attach chalktrays to boards with fasteners at not more than 12 inches (300 mm) o.c.

3.05 CLEANING AND PROTECTION

- A. Clean visual display surfaces according to manufacturer's written instructions. Attach one cleaning label to visual display surface in each room.
- B. Touch up factory-applied finishes to restore damaged or soiled areas.
- C. Cover and protect visual display surfaces after installation and cleaning.

END OF SECTION

ADDENDUM

ADDENDUM NO: I

PROJECT: Pleasant Run Elementary School Renovation & Addition

REVISED SHEETS

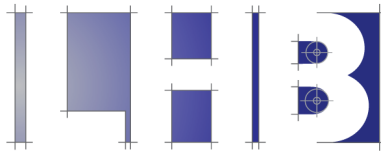
1. C101 Existing Conditions and Demolition Plan
 - a. The milling of the Parking lot on the north side of the building is replaced with sealcoat asphalt pavement, which is identified with keynote 49.
 - b. Remove Concrete sidewalk on the north side of the building.
 - c. Revise the construction limits.
 - d. Add tree protection limits. A reference is made to the Tree Protection Plan.
 - e. Revise pavement demo limits and milling limits around the loop drive that is northeast of the building.
 - f. Remove two trees near the southeast corner of the building.
2. C301 Grading Plan
 - a. Revise grading for the updated sidewalk northwest of the playground.
 - b. Add match existing grade label (MEG) in the area where the sidewalk was removed north of the building.
 - c. Revise construction limits.
3. C401 Stormwater Pollution Prevention Plan
 - a. Add seeding where the sidewalk was removed north of the building.
 - b. Add seeding near the updated sidewalk northwest of the playground.
 - c. Add seeding where two trees were removed near the southeast corner of the building.
 - d. Show addition tree protection limits, and make reference to the Tree Protection Plan.
4. C501 Utility Plan
 - a. Revise pipe invert at structure 717P.
5. C502 Utility Details
 - a. Revise Diversion structure detail.
 - b. Revise structure data table.
6. C503 Utility Details
 - a. Revise Outlet Control Structure Detail.
 - b. Add ADS details
7. New sheet C504 Utility Details
 - a. Add ADS details for the underground detention system.
8. C702 Storm Sewer Plan and Profiles
 - a. Revise pipe invert at structure 717P.
9. L101 Materials and Notes Plan
 - a. Materials Plan edges of pavements and curbs have been updated.

- 10. L110 Playground Enlargement
 - a. Playground Enlargement has been updated to clarify locations or Concrete Curbing.
- 11. L210 Layout Plan Enlargement
 - a. Layout of edges of pavements and curbs have been updated.
- 12. L211 Layout Plan Enlargement
 - a. Layout of edges of pavements and curbs have been updated.
- 13. L212 Layout Plan Enlargement
 - a. Layout of edges of pavements and curbs have been updated.
- 14. L213 Layout Plan Enlargement
 - a. Layout of edges of pavements and curbs have been updated.
- 15. L500 Site Details
 - a. Detail 10 Engineered Wood Fiber Play Surface updated for clarity.

BIDDER QUESTIONS

Q1. Q: Which edges of the playground are to be concrete curb?

A: Concrete curbs are required where playground surfacing is adjacent to asphalt paving. In all areas where playground surfacing is adjacent to concrete paving, the concrete shall have a turndown edge.



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SAMUEL B. RUNNINGEN, PE

JESSE R. VALENCOURT, PE, SE

Pleasant Run Elementary School Addendum #1

March 15, 2021

Drawing S101 Foundation Plan Unit B

1. Add foundation plan note clarifying "SP" footings.
2. Add more wall footings under CMU partition walls where slab on grade elevation changes.

Drawing S102 Mezzanine and Low Roof Framing Plan Unit B

1. Changed size and offset of proscenium opening beam.
2. Modified screen wall dimensions on low roof.

Drawing S103 Gym Roof Framing Plan Unit B

1. Add WT4x12 horizontal bracing in last bay of roof for diaphragm support.

Drawing S104 Café Foundation and Framing Plans Unit C

1. Modified T/S elevation of 2C15x40 wall support beam.
2. Modified screen wall dimensions on existing roof.

Drawing S301 Braced Frame Elevations

1. Show the modified dimensions and details of screen walls.

Drawing S711 Framing Sections and Details

1. 18/S711 shows WT4x12 framing in section.
2. 20/S711 shows the new T/S elevation of 2C15x40 wall support beam.

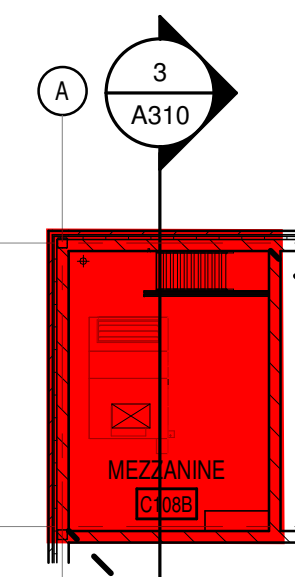
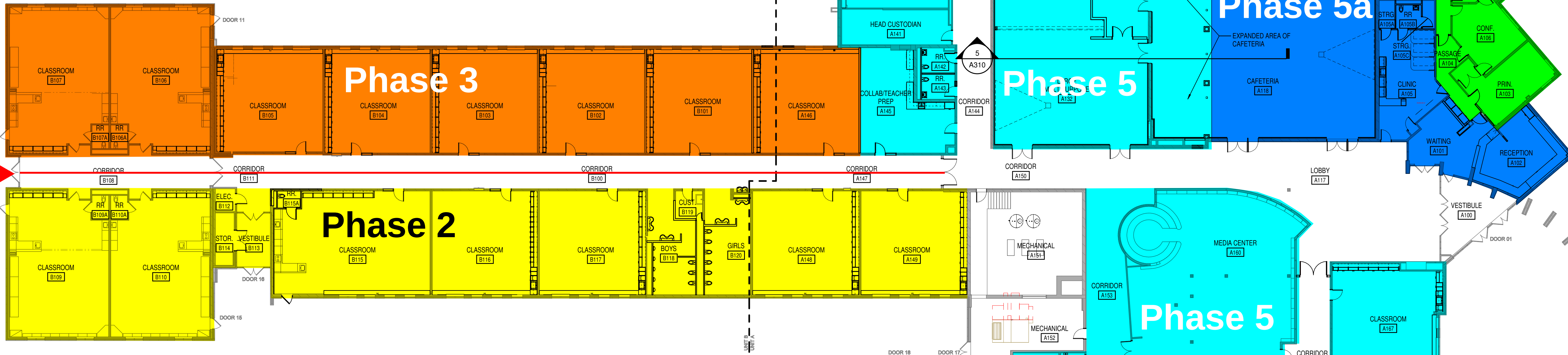
Drawing S712 Framing Sections and Details

1. 1/S712 shows the new T/S elevation of 2C15x40 wall support beam.

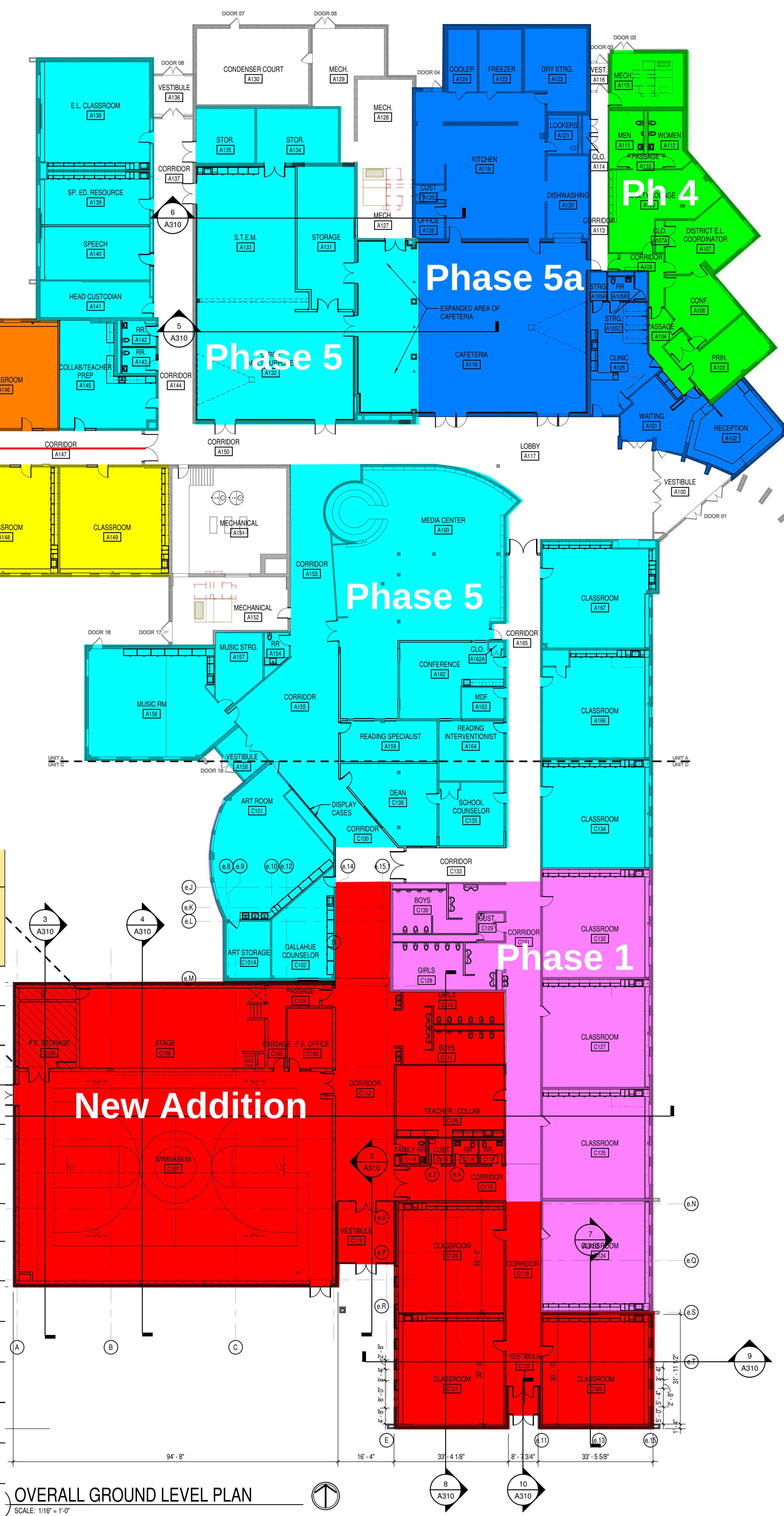


March 3, 2021

Construction Partition



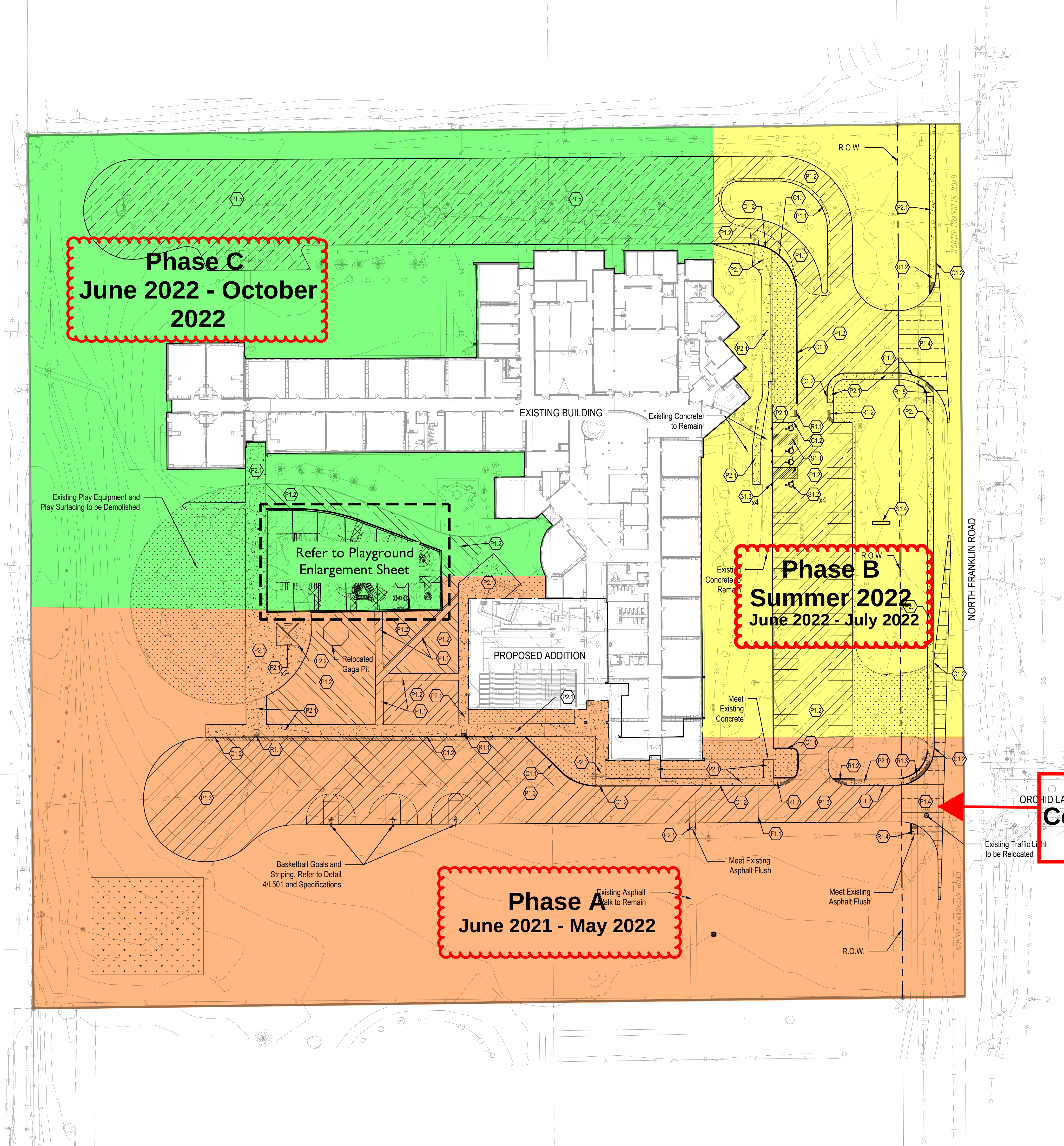
ACTIVITY	2021												2022											
	April		M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D		
	18	25																						
Sitework																								
Phase A - Bus Parking / Construction Entrance																								
Phase B - Parent & Teacher Parking																								
Phase C - Playground / Parent Drop-off																								
New Addition																								
Owner Move-In & Occupancy																								
Renovations																								
Procure Long Lead Materials & Equipment																								
Phase 1 - Classroom Renovations																								
Phase 2 - Classroom Renovations																								
Phase 3 - Classroom Renovations																								
Phase 4 - Office Renovations																								
Phase 5a - Existing Cafeteria / Kitchen Renovations																								
Phase 5 - Multi-purpose / Cafeteria Renovations																								
Phased Owner Move-In & Occupancy																								



OVERALL GROUND LEVEL PLAN
SCALE: 1/16" = 1'-0"



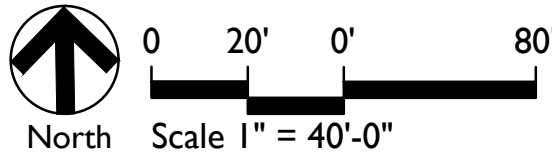
March 3, 2021

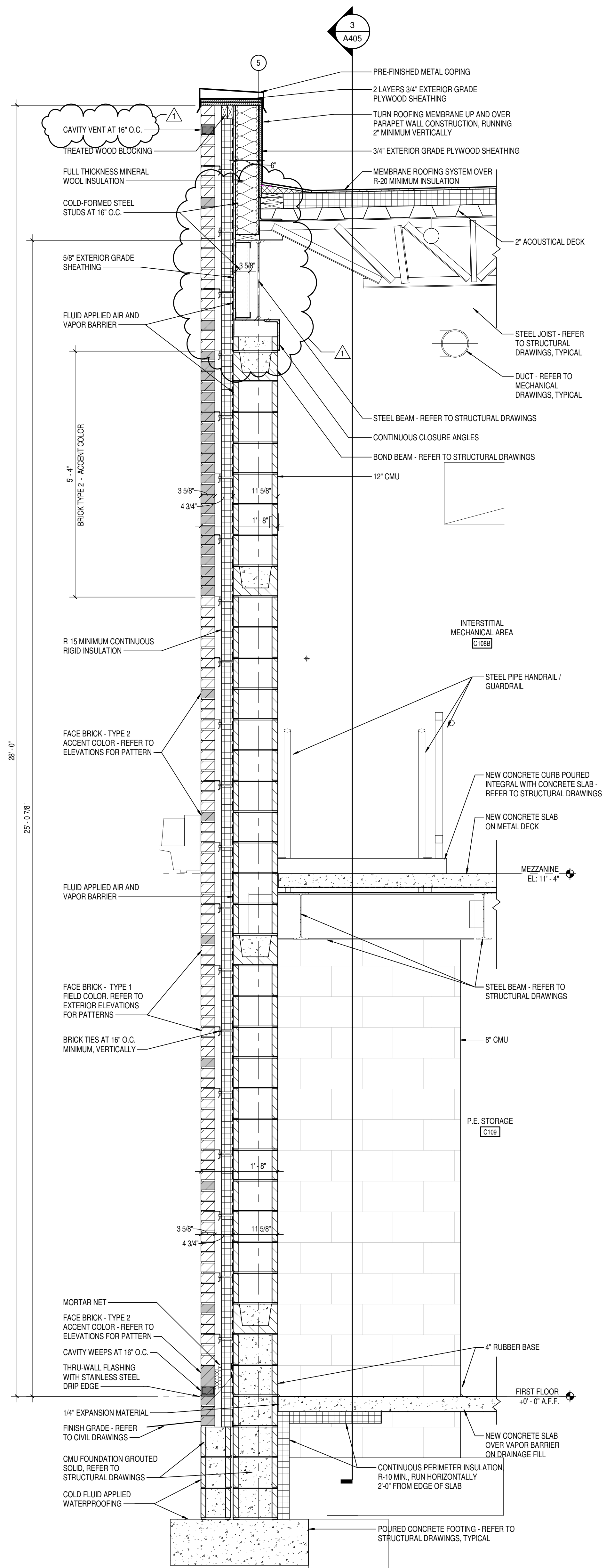


MATERIAL LEGEND

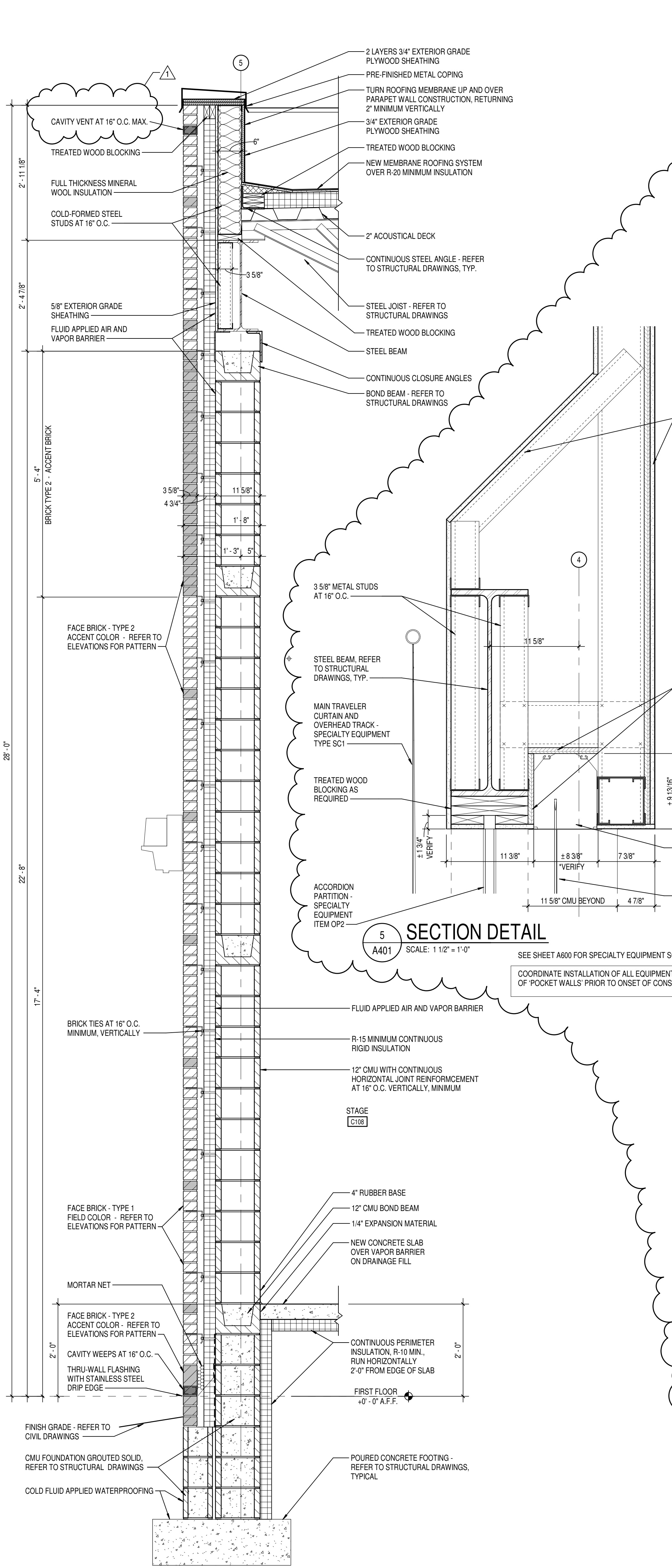
- C1.0 Curbing
 - C1.1 Concrete Post Curb, Refer to Detail 7/L500
 - C1.2 Integral Concrete Curb and Walk, Refer to Detail 8/L500
 - C1.3 Post Curb at Play Surface, Refer to Detail 9/L500
- F1.0 Fencing
 - F1.1 30'-0" Swing Gate, Refer to Specifications
- F2.0 Site Furnishings
 - F2.1 Bench, Refer to Specifications
 - F2.2 Shade Structure, Refer to Specifications
- P1.0 Pavement, Asphalt
 - P1.1 Standard Asphalt Pavement, Refer to Detail 2/L500
 - P1.2 Mill and Resurface Asphalt Pavement, Refer to Detail 3/L500
 - P1.3 Heavy Duty Asphalt Pavement, Refer to Detail 1/L500
 - P1.4 ROW Asphalt Paving, Refer to Civil Drawings
 - P1.5 Sealcoat Asphalt Pavement, Refer to Specifications
- P2.0 Pavement, Concrete
 - P2.1 Standard Concrete Pavement, Refer to Details 4-6/L500
- R1.0 Accessible Sidewalk Ramps
 - R1.1 Integrated Sidewalk Ramp, Refer to Detail 5/L502
 - R1.2 Corner Ramp with Curb, Refer to Detail 2/L502
 - R1.3 Double Sidewalk Ramp with Curb, Refer to Detail 4/L502
 - R1.4 Straight Ramp, Refer to Detail 3/L502
 - R1.5 Depressed Corner Curb Ramp, Refer to Detail 1/L502
- S1.0 Signage, (comply with MUTCD Standards) (VIP Regulatory Signs with Owner Representative)
 - S1.1 Van Accessible ADA Parking, Refer to Detail 1/L501 and Specifications
 - S1.2 Accessible Parking Symbol, Refer to Detail 2/L501 and Specifications
 - S1.3 Accessible Parking Sign, Refer to Detail 3/L501 and Specifications
 - S1.4 Monumental Sign, Existing to Remain
- S2.0 Playground Protective Surfacing
 - S2.1 Engineered Wood Fiber Play Surface, Refer to Detail 10/L500
 - S2.2 Resilient Rubber Play Surface, Refer to Detail 11/L500
- Area to be Seeded

Note:
Refer to Details and Specifications for Pavement Striping.

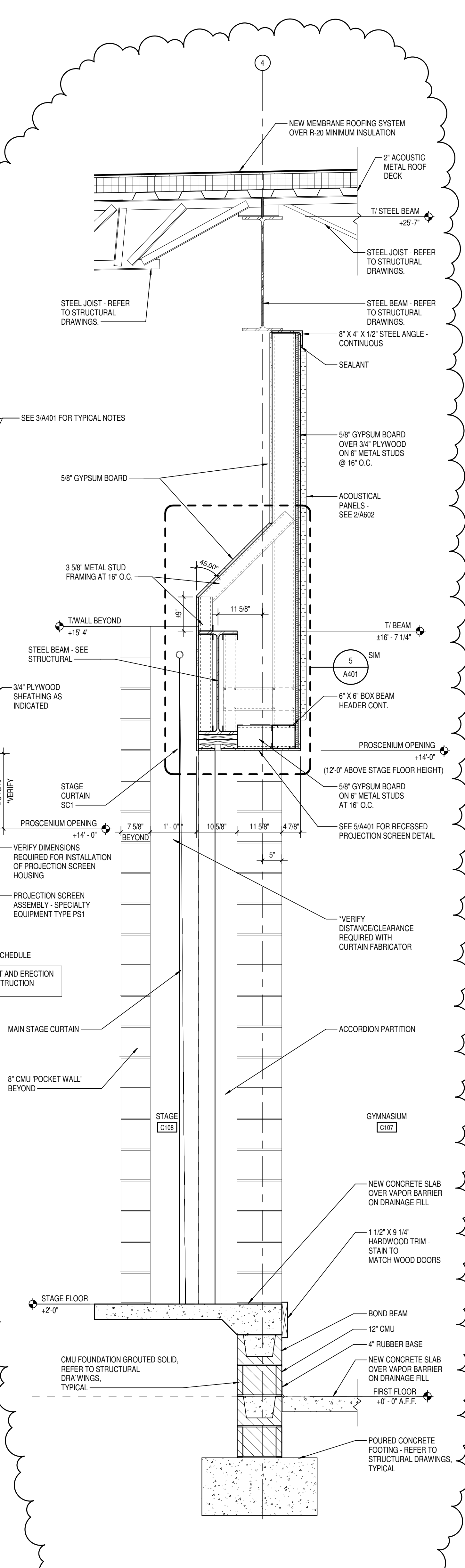




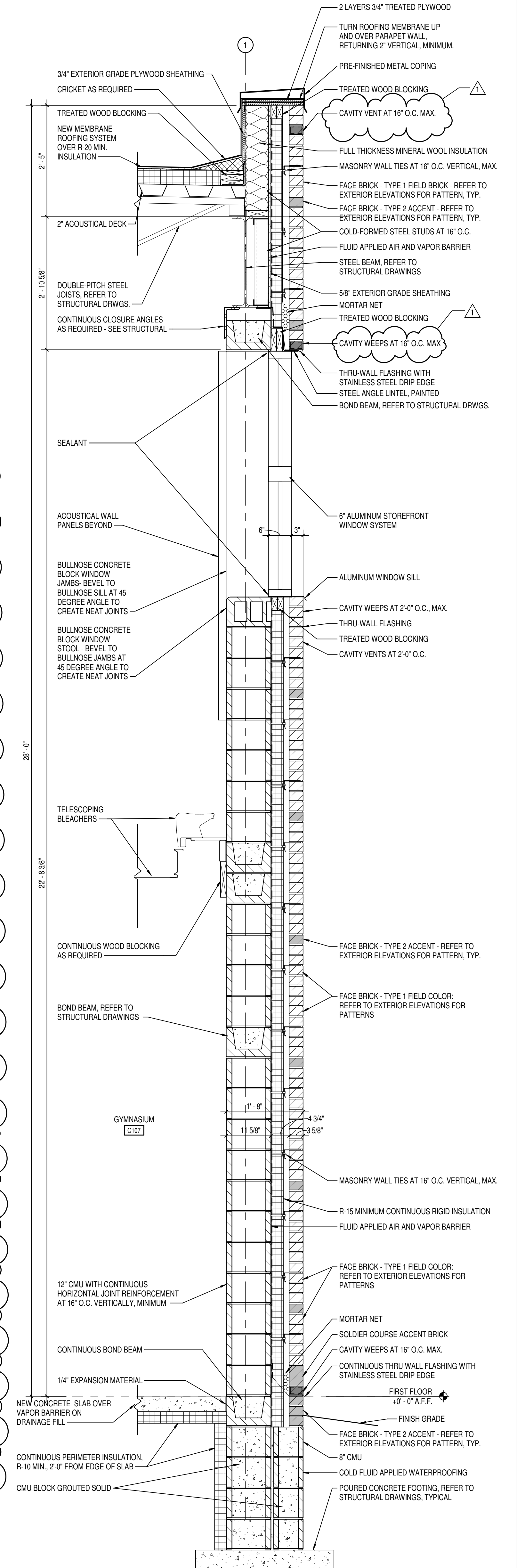
4 WALL SECTION
A401 SCALE: 3/4" = 1'-0"



3 WALL SECTION
A401 SCALE: 3/4" = 1'-0"



2 WALL SECTION
A401 SCALE: 3/4" = 1'-0"



1 WALL SECTION
A401 SCALE: 3/4" = 1'-0"

SECTION DETAIL

SCALE: 1/2" = 1'-0"
SEE SHEET A600 FOR SPECIALTY EQUIPMENT SCHEDULE
COORDINATE INSTALLATION OF ALL EQUIPMENT AND ERECTION OF POCKET WALLS PRIOR TO ONSET OF CONSTRUCTION



W C S O
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PROJECT:
**MSD OF WARREN TOWNSHIP
PLEASANT RUN ELEMENTARY SCHOOL
RENOVATION & ADDITION**
1800 N. FRANKLIN RD., INDIANAPOLIS, IN 46219

SCOPE DRAWINGS:
These drawings indicate the general scope of the project. The drawings are not intended to be a contract. The drawings are not intended to be a contract. The drawings are not intended to be a contract. The drawings are not intended to be a contract.

REVISIONS:		
1	ADDENDUM #1	03-15-21

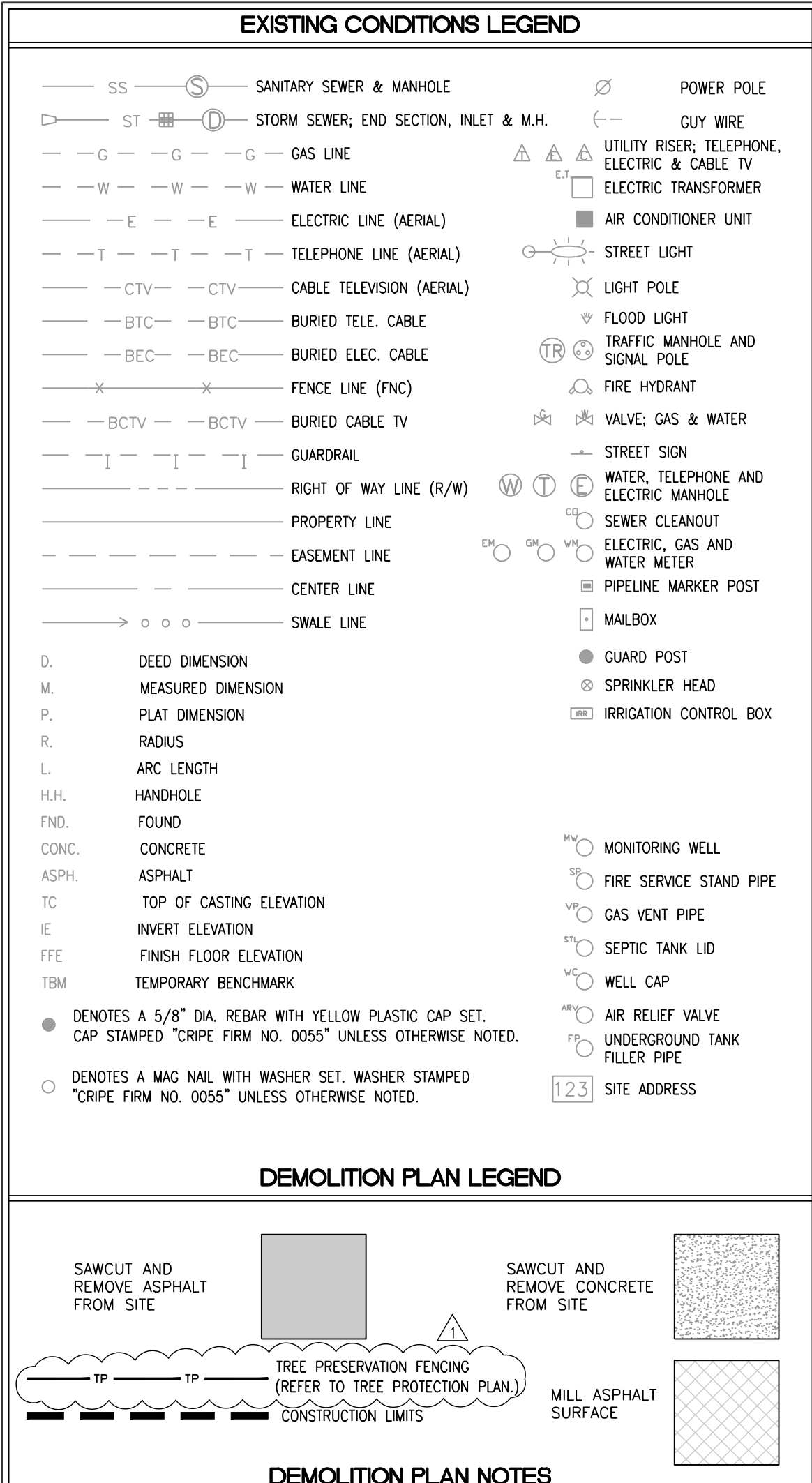
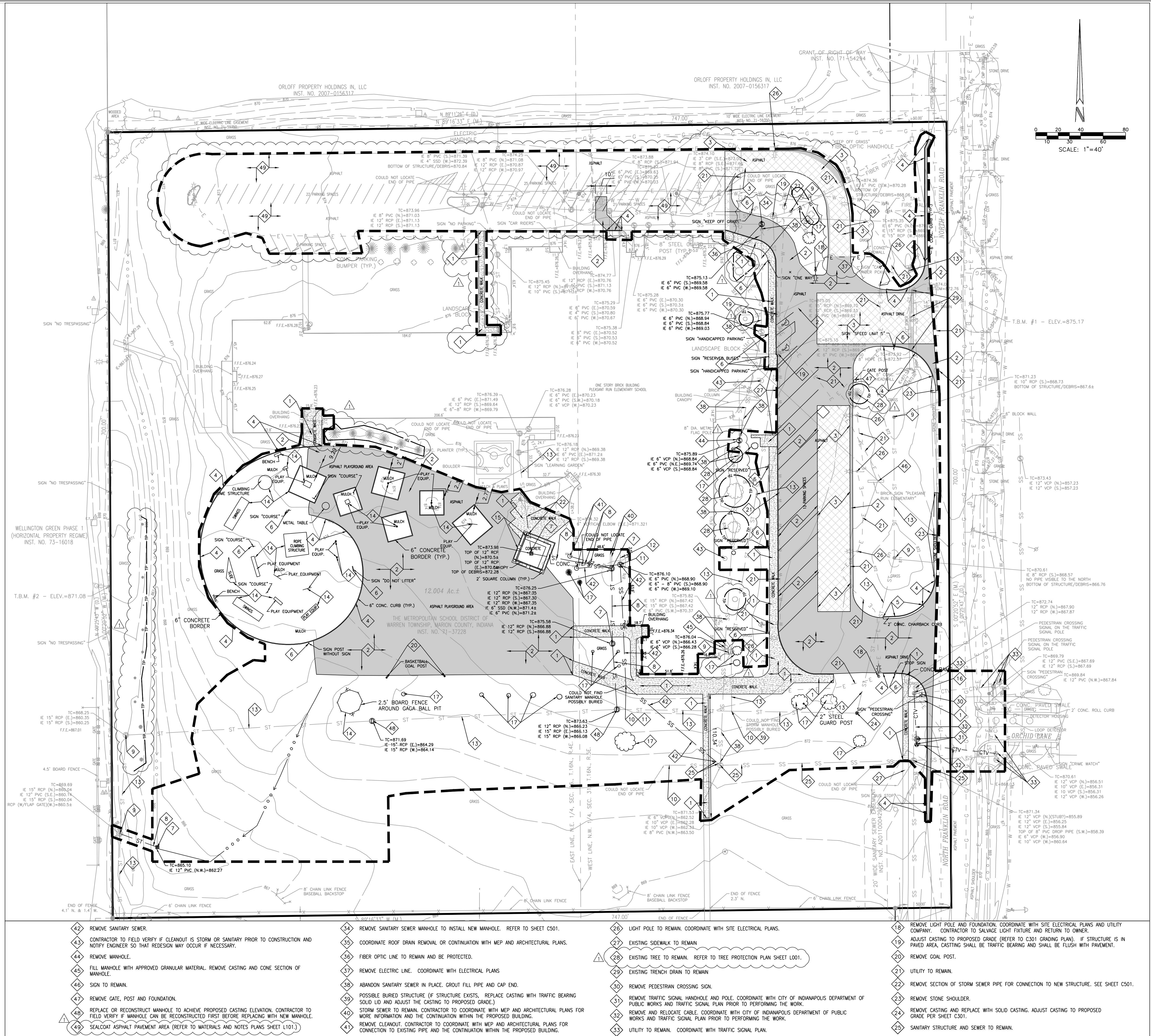
ISSUE DATE	DRAWN BY	CHECKED BY
02/26/21	LTR	CAM

DRAWING TITLE:
WALL SECTIONS



DRAWING NUMBER
A401

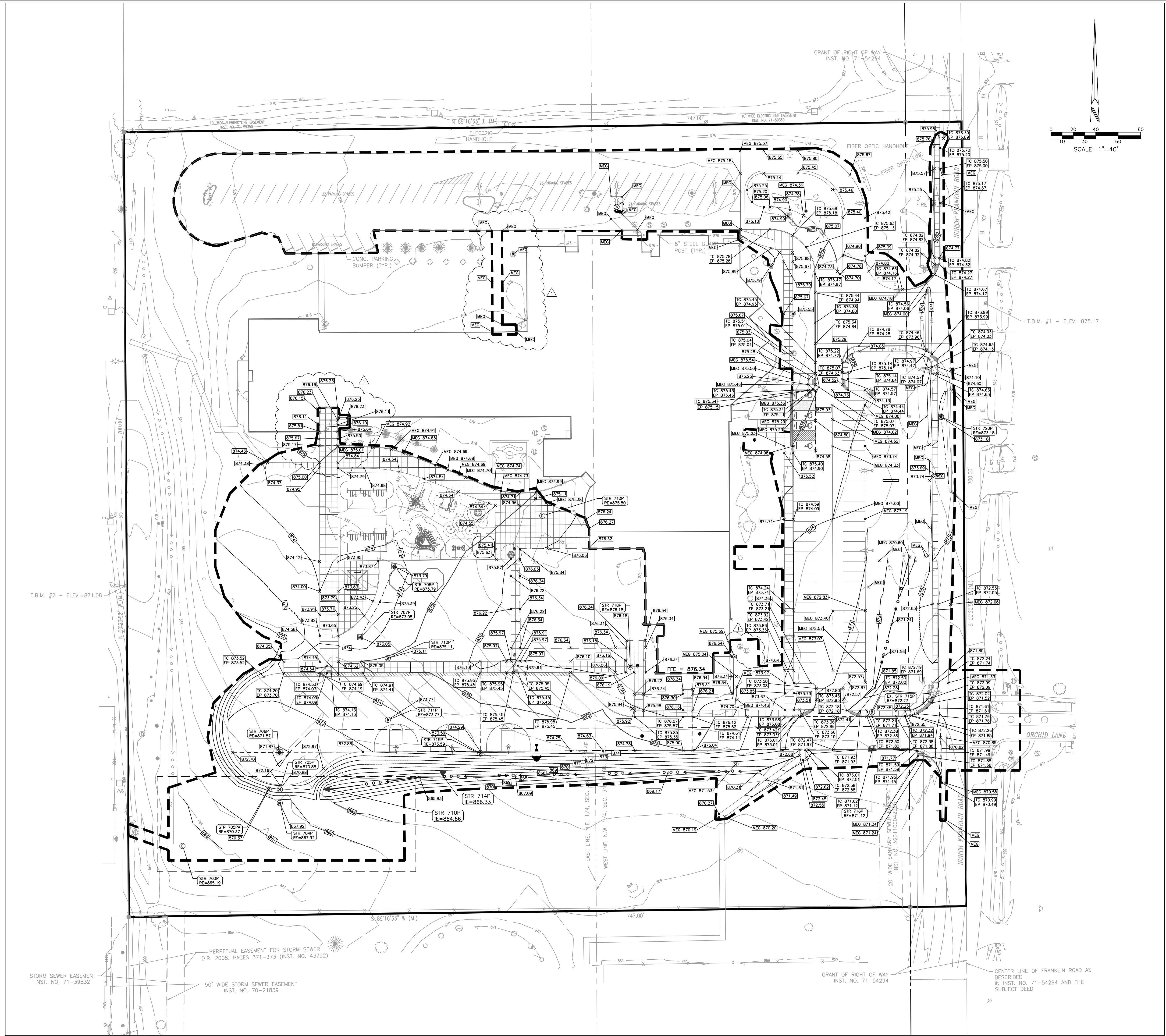
PROJECT NUMBER
2020061



1. UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR IS TO DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. THE CONTRACTOR SHALL COORDINATE ALL WORK ASSOCIATED WITH THE ABANDONMENT, REMOVAL, OR RELOCATION, OR INSTALLATION OF UTILITIES WITH EVERY UTILITY COMPANY AND OBTAIN THEIR APPROVAL PRIOR TO PERFORMING ANY UTILITY WORK.
3. ALL DEMOLISHED MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED, AND SHALL BE LEGALLY DISPOSAL OF OFF-SITE.
4. CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PER SHEET C401-C405 AND 410-412 PRIOR TO COMMENCING DEMOLITION.
5. MAINTAIN PROPER DRAINAGE IN DEMOLITION AREAS.
6. SAWCUT CONTRACTOR AND ASPHALT SURFACES FOR REMOVAL AS NOTED.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING DAMAGE TO ALL BUILDINGS AND/OR SITE ENTITIES THAT ARE TO REMAIN.
8. THE CONTRACTOR TO BE SAWCUT SHALL BE SUNKEN TO THE NEAREST CONCRETE JOINT BEYOND THE LIMITS ILLUSTRATED. NOTIFY CHIEF ENGINEER IF JOINT IS OVER ONE (1) FOOT FROM LINE SHOWN.
9. REMOVAL OR RELOCATION OF ALL LANDSCAPING MUST BE COORDINATED WITH OWNER.
10. OVERHEAD AND/OR UNDERGROUND ELECTRIC AND TELEPHONE CABLES THAT ARE SHOWN TO BE ABANDONED IN PLACE MAY BE CUT AS NECESSARY TO FACILITATE NEW CONSTRUCTION. CONTRACTOR SHALL ENSURE THAT LINES ARE NOT ACTIVE PRIOR TO CUTTING AND OBTAIN UTILITY COMPANY APPROVAL PRIOR TO PERFORMING ANY REMOVAL.
11. WATER LINES SHALL NOT BE ABANDONED OR DEMOLISHED UNLESS PROPOSED WATER MAINS HAVE BEEN INSTALLED TO A POINT SUCH THAT ONLY MINIMAL DISRUPTION IN WATER SERVICE TO THE EXISTING OCCUPIED BUILDINGS WILL OCCUR. CONTRACTOR TO DISCONNECT ANY SERVICE SHUT DOWN WITH THE BUILDING OWNER AT LEAST 72 HOURS PRIOR TO SCHEDULING SHUT DOWN.
12. ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY BE REQUIRED.
13. CONTRACTOR TO ESTABLISH NEW LOCAL SURVEY CONTROL, SYSTEM (VERTICAL AND HORIZONTAL) PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY. MAJOR TEMPORARY BENCHMARKS UTILIZED IN THE PREPARATION OF THE TOPOGRAPHIC SURVEY FOR THE DESIGN WILL BE RELOCATED AS PART OF CONSTRUCTION.

- ### KEYNOTE LEGEND
- | | |
|----|--|
| 1 | SAW CUT AND REMOVE CONCRETE SIDEWALK TO THE NEAREST CONCRETE JOINT BEYOND THE LIMITS ILLUSTRATED. NOTIFY ENGINEER IF JOINT IS OVER ONE (1) FOOT FROM LINE SHOWN. |
| 2 | SAW CUT AND REMOVE ASPHALT AND GRANULAR SUBBASE |
| 3 | MILL ASPHALT SURFACE 1 1/2 INCHES |
| 4 | SAW CUT AND REMOVE CONCRETE CURB |
| 5 | REMOVE CONCRETE CHAIRBACK CURB |
| 6 | REMOVE EXISTING SIGN, POST AND FOUNDATION. CONTRACTOR TO COORDINATE SALVAGING SIGN WITH OWNER. |
| 7 | REMOVE STORM STRUCTURE AND CASTING. |
| 8 | REMOVE STORM SEWER PIPE. |
| 9 | STORM SEWER STRUCTURE TO REMAIN. |
| 10 | CONTRACTOR TO POT-HOLE AND FELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF UTILITY BEFORE TO CONSTRUCTION. |
| 11 | REMOVE SANITARY STRUCTURE AND CASTING. CONTRACTOR TO COORDINATE WITH ARCHITECTURAL AND MEP PLANS FOR CONTINUATION OF THE SANITARY LATERAL FROM THE BUILDING. |
| 12 | SANITARY SEWER TO REMAIN. CONTRACTOR TO COORDINATE WITH MEP AND ARCHITECTURAL PLANS FOR MORE INFORMATION AND THE CONTINUATION WITHIN THE PROPOSED BUILDING. |
| 13 | STORM SEWER PIPE TO REMAIN |
| 14 | REMOVE PLAYGROUND EQUIPMENT AND APPURTENANCES |
| 15 | REMOVE CANOPY AND ITS SUPPORT COLUMNS AND CONCRETE STEPS |
| 16 | TRAFFIC SIGNAL POLE TO REMAIN. CONTRACTOR TO COORDINATE WITH TRAFFIC SIGNAL PLAN. |
| 17 | REMOVE TREE, SHRUBS, UNDERBUSH, LANDSCAPING AND VEGETATION INCLUDING ROOT BALLS |

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 Cripe Solutions by Design Since 1937 3919 PRIORITY WAY SOUTH DRIVE, SUITE 200 INDIANAPOLIS, IN 46240 (317) 544-6777 www.cripe.biz		
PROJECT: MSD OF WARREN TOWNSHIP PLEASANT RUN ELEMENTARY SCHOOL RENOVATION & ADDITION 1800 N. FRANKLIN RD., INDIANAPOLIS, IN 46219		
SCOPE DRAWINGS: These drawings include the general scope of the project as defined by the preliminary design concept, the dimensions of the building, the size and location of the building, the structural, mechanical and electrical systems. The drawings do not necessarily include or describe all requirements of the project. On the basis of the general scope indicated or described in the drawings, the contractor shall furnish all items required for the proper execution and completion of the work.		
REVISIONS: ADDITION #1, 03/15/2021		
ISSUE DATE 02/28/21	DRAWN BY J.HENSEL	CHECKED BY S.PIERRE
DRAWING TITLE: EXISTING CONDITIONS AND DEMOLITION PLAN		
CERTIFIED BY:  		
DRAWING NUMBER C101		
PROJECT NUMBER 20200661 CRPE No. 200984-2020		



GRADING PLAN LEGEND

	PROPOSED 1' CONTOUR		PROPOSED GRADE
	PROPOSED 5' CONTOUR		MATCH EXISTING GRADE
	PROPOSED SWALE		PROPOSED TOP OF CURB
	PROPOSED SWALE WITH SUB-SURFACE DRAIN		PROPOSED EDGE OF PAVEMENT
	GRADE BREAK LINE	FFE=800.00	FINISHED FLOOR ELEVATION
		RE=800.00	RM ELEVATION

GRADING PLAN NOTES

- UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR IS TO DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
- RM ELEVATION (RE) SHALL INDICATE THE ELEVATION THAT WATER WOULD ENTER THE GRATE FOR ALL CASTINGS. IF CASTING HAS SOLID LID, THE RE IS THE LID ELEVATION.
- BUILDING PAD AREAS AND PAVED AREAS DESIGNATED FOR FILL SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND COMPACTED PER SPECIFICATIONS. ALL FILL AREAS SHALL BE STRIPPED OF TOPSOIL PRIOR TO PLACEMENT OF FILL.
- ANY EXCESS SOIL MATERIAL SHALL BE EXPORTED FROM THE SITE AFTER CONSTRUCTION IS COMPLETED.
- TOPSOIL SHALL BE PLACED IN LAWN, LANDSCAPE, MOUNDING AND NONSTRUCTURAL FILL AREAS. UPON COMPLETION OF MASS EARTHWORK, TOPSOIL SHALL BE SPREAD TO A DEPTH OF FOUR TO SIX (4 TO 6) INCHES IN AREAS LISTED ABOVE. TOPSOIL SHALL NOT BE UTILIZED AS STRUCTURAL FILL IN PAVED AREAS.
- CONTRACTOR SHALL PRESERVE EXISTING TREES WHEREVER POSSIBLE. CLEARING LIMITS SHALL CONSIST OF ALL TREES WITHIN PAVED AREAS, UTILITY INSTALLATION LIMITS, AND CUT/FILL AREAS.
- A GEOTECHNICAL REPORT HAS BEEN PROVIDED FOR THIS PROJECT FOR REFERENCE. CONTRACTOR TO REVIEW PRIOR TO START OF CONSTRUCTION.
- ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
- CONSTRUCTION DEBRIS CANNOT BE DISPOSED OF WITHIN THE DETENTION FACILITIES OR USED AS FILL IN THE EMBANKMENT.

FLOODPLAIN NOTES

- THE SITE IS LOCATED WITHIN THE FLOOD HAZARD ZONE "X" PER THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 1802700167, REVISED APRIL 15, 2016.

National Flood Hazard Layer FIRMette

Legend

- 100 Year Flood Hazard Zone
- 500 Year Flood Hazard Zone
- Special Flood Hazard Zone
- Unshaded Area
- Water
- Land
- Other

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PROJECT:
MSD OF WARREN TOWNSHIP
**PLEASANT RUN ELEMENTARY SCHOOL
RENOVATION & ADDITION**
1800 N. FRANKLIN RD., INDIANAPOLIS, IN 46219

SCOPE DRAWINGS:
These drawings provide the general scope of the project in terms of architectural design concepts, the dimensions of the building, the major architectural elements and the location of structural, mechanical and electrical systems. The drawings do not necessarily include or describe all work required for the project. The contractor is responsible for the completion of the drawings and for the procurement of the materials and labor required for the project. The contractor shall verify all data required for the proper execution and completion of the work.

REVISIONS:
ADDENDUM #1, 03/15/2021

ISSUE DATE	DRAWN BY	CHECKED BY
02/26/21	J.HENSEL	S.PIERRE

DRAWING TITLE:
GRADING PLAN

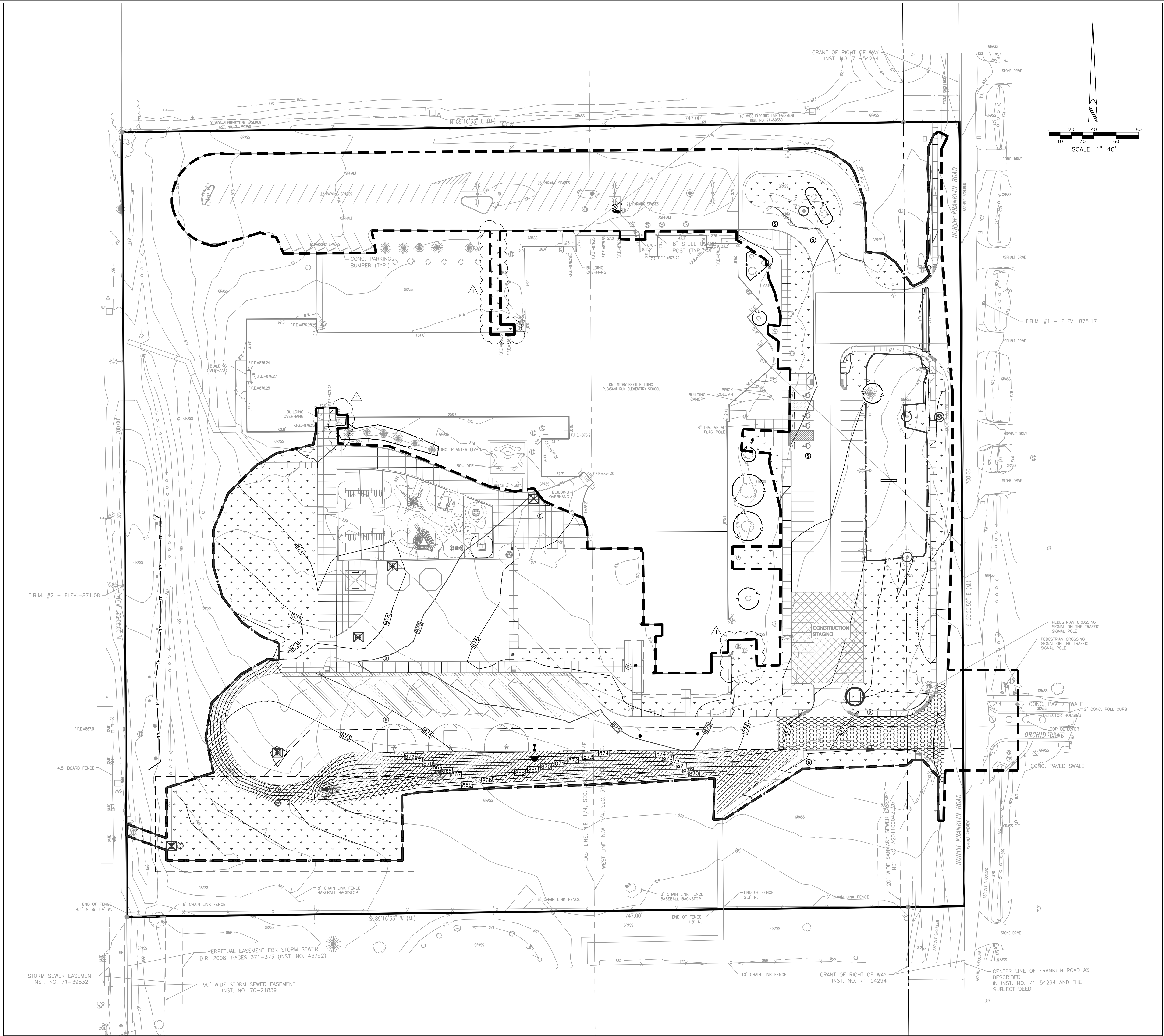
CERTIFIED BY:

STEVE PIERRE
REGISTERED PROFESSIONAL ENGINEER
INDIANA

DRAWING NUMBER
C301

PROJECT NUMBER
2020061
CRPE No. 20084-20010

811
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STORMWATER POLLUTION PREVENTION PLAN LEGEND

TP	TP	TREE PRESERVATION FENCING (REFER TO TREE PROTECTION PLAN)
---	---	SILT FENCE BARRIER INSTALLATION/CONSTRUCTION LIMITS
---	---	CONSTRUCTION LIMITS
[Pattern]	[Pattern]	PERMANENT SEEDING WITH EROSION CONTROL BLANKET (NAC 50:150 OR EQUAL)
[Pattern]	[Pattern]	TEMPORARY CONSTRUCTION INGRESS/EGRESS DRIVE, ONCE CONSTRUCTION IS COMPLETE, CONTRACTOR SHALL REMOVE STONE, GEOTEXTILE, RESPAID TOPSOIL, AND PERMANENT SEED ENTIRE AREA.
[Symbol]	[Symbol]	PERMANENT SEEDING
[Symbol]	[Symbol]	CONTRACTOR STAGING AREA SHALL UTILIZE THE EXISTING ASPHALT AREA. CONTRACTOR SHALL REPAIR ALL DAMAGED ASPHALT WITHIN THE AREA UPON COMPLETION OF THE PROJECT AND SHALL MEET THE STANDARDS AS DICTATED ON DETAILS.
[Symbol]	[Symbol]	GEOTEXTILE FABRIC YARD DROP INLET PROTECTION
[Symbol]	[Symbol]	INSERT (BAG) INLET PROTECTION
[Symbol]	[Symbol]	CONCRETE END SECTION RIPRAP (UPPER AND LOWER IN)
[Symbol]	[Symbol]	CONCRETE WASHOUT
[Symbol]	[Symbol]	GRAVEL DONUT INLET PROTECTION

STORMWATER POLLUTION PREVENTION PLAN NOTES

- REFER TO SHEET C403 FOR SOILS MAP AND SOIL CHARACTERISTICS.
- REFER TO SHEET C402 FOR STORMWATER POLLUTION PREVENTION PLAN DETAILS.
- REFER TO LANDSCAPE PLANS FOR PLANTING DETAILS. ANY WOUNDING NOTED ON LANDSCAPE PLANS SHALL NOT CHANGE THE DRAINAGE PATTERN NOTED IN THE GRADING PLAN SERIES 300'S.
- SILT FENCE BARRIER TO BE INSTALLED PRIOR TO CONSTRUCTION.
- EROSION CONTROL MEASURES TO BE MAINTAINED THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.
- REFER TO THE STORMWATER POLLUTION PREVENTIONS NOTES SHEET C403 FOR ALL EROSION CONTROL MEASURES, SCHEDULES, AND SEQUENCES.
- CONTRACTOR TO PROVIDE A STABLE TEMPORARY GRAVEL CONSTRUCTION INGRESS/EGRESS CONDITION FROM THE CONSTRUCTION SITE TO KEEP MUD AND SEDIMENT OFF PUBLIC ROADS.
- EROSION CONTROL MAINTENANCE - SITE TO BE INSPECTED AT LEAST ONCE A WEEK AND MAKE REPAIRS IMMEDIATELY AFTER PERIODS OF 1/2" RAINFALL OR GREATER.
- STORMWATER DISCHARGE WILL NOT ENTER THE GROUNDWATER FOR THIS PROJECT.
- THE 100 YEAR FLOODPLAIN FLOODWAYS ARE NOT PRESENT ON THIS SITE.
- CONTRACTOR SHALL PROVIDE THE DEPARTMENT OF BUSINESS & NEIGHBORHOOD SERVICES OF THE CITY OF INDIANAPOLIS WITH A NARRATIVE DESCRIBING THE CONSTRUCTION SEQUENCE, INCLUDING START DATES FOR EACH LAND DISTURBING ACTIVITY.
- THE ACTUAL PERSON RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE EROSION CONTROL SHALL BE DETERMINED DURING THE BIDDING PROCESS. THE AWARD WINNING CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. ONCE DETERMINED, CONTRACTOR SHALL COORDINATE WITH THE CITY.
- ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
- ALL PROPOSED EROSION AND SEDIMENT CONTROL SHALL BE IN CONFORMANCE WITH CHAPTER 600 OF THE CITY OF INDIANAPOLIS STORMWATER SPECIFICATIONS MANUAL, LATEST EDITION. DISCREPANCIES BETWEEN THE PLANS AND THE MANUAL SHALL NOT ALLEVIATE THE CONTRACTOR FROM ADHERING TO THE REQUIREMENTS AS SET FORTH IN THE MANUAL.
- ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR.

STORMWATER POLLUTION PREVENTION PLAN SEQUENCE AND IMPLEMENTATION

- INSTALL CONSTRUCTION FENCING AND GATES IF REQUIRED.
- INSTALL SILT FENCING. DUST SHALL BE KEPT TO A MINIMUM BY UTILIZING SPRINKLING WATER OR OTHER APPROVED METHODS.
- IDENTIFY CONSTRUCTION STAGING AREA, CONCRETE WASHOUT AREAS, MATERIAL STORAGE AND TOPSOIL STOCKPILE AREAS. EACH AREA SHALL BE PROPERLY PROTECTED AND DELINEATED PRIOR TO CONSTRUCTION.
- THE DEM NOL, IF REQUIRED, AND CONTACT INFORMATION FOR THE PERSON WITH ON-SITE RESPONSIBILITIES MUST BE POSTED ON-SITE.
- DEM AND THE LOCAL CITY AGENCY MUST BE NOTIFIED WITHIN 48 HOURS OF COMMENCING CONSTRUCTION.
- CONTACT INDIANA UNDERGROUND PLANNED PROTECTION SYSTEMS, INC. (INDIANA 817) FOR UNDERGROUND UTILITY LOCATIONS. (1-800-382-5544).
- BEFORE OPENING UP THE SITE, FIRST EVALUATE, MARK AND PROTECT IMPORTANT TREES AND ASSOCIATED ROOT ZONES. UNIQUE AREAS TO BE PRESERVED (I.E. WETLANDS), STREAMS, LAKE, OR EXISTING VEGETATION SUITABLE FOR USE AS FILTER STRIPS (ESPECIALLY IN PERIMETER AREAS).
- FIRST, STRIP AND STOCKPILE TOPSOIL ON-SITE.
- BEGIN MASS EARTHWORK FOR PROPOSED IMPROVEMENTS.
- REPAIR ANY SILT FENCING IF DAMAGED. IF SILT IS 1/3 HEIGHT OF FABRIC, REMOVE SILT AND REPLACE TO ORIGINAL CONDITION.
- IMMEDIATELY AFTER GRADING, APPLY SURFACE STABILIZATION PRACTICES ON ALL GRADED AREAS, USING PERMANENT MEASURES IN ACCORDANCE WITH THE EROSION CONTROL PLAN. HOWEVER, IF WEATHER DELAYS PERMANENT STABILIZATION, TEMPORARY SEEDING AND/OR MULCHING MAY BE NECESSARY AS A PROVISIONAL MEASURE. ALSO STABILIZE USING TEMPORARY SEEDING/MULCHING OR OTHER SUITABLE MEANS) ANY DISTURBED AREA WHERE ACTIVE CONSTRUCTION WILL NOT TAKE PLACE FOR 15 WORKING DAYS.
- AFTER CONSTRUCTION AND FINAL GRADING, PERMANENTLY STABILIZE ALL DISTURBED AREAS. ALSO REMOVE TEMPORARY RAINFALL CONTROL STRUCTURES, ANY INSTALLED SEEDMENT AROUND THEM, AND STABILIZE THOSE AREAS WITH PERMANENT SEEDING AND EROSION CONTROL BLANKET IF NECESSARY.
- MAINTAIN ALL EROSION AND SEDIMENT CONTROL PRACTICES UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.

SCOPE DRAWINGS:

These drawings provide the general scope of the project in terms of architectural design concepts, the dimensions of the building, the major architectural elements and the location of the drainage system. The drawings do not necessarily include or describe all work required for the project. The drawings are intended to be used in conjunction with the requirements of the City of Indianapolis. The drawings are not intended to be used as a basis for the project and the contractor shall be responsible for the proper interpretation and execution of the work.

REVISIONS:

ADDENDUM #1, 03/15/2021

ISSUE DATE	DRAWN BY	CHECKED BY
02/26/21	J.HENSEL	S.PIERRE

DRAWING TITLE:

STORMWATER POLLUTION PREVENTION PLAN

CERTIFIED BY:

Stev Pierre

STEVE PIERRE
REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA
PE11609221

DRAWING NUMBER

C401

PROJECT NUMBER

2020061

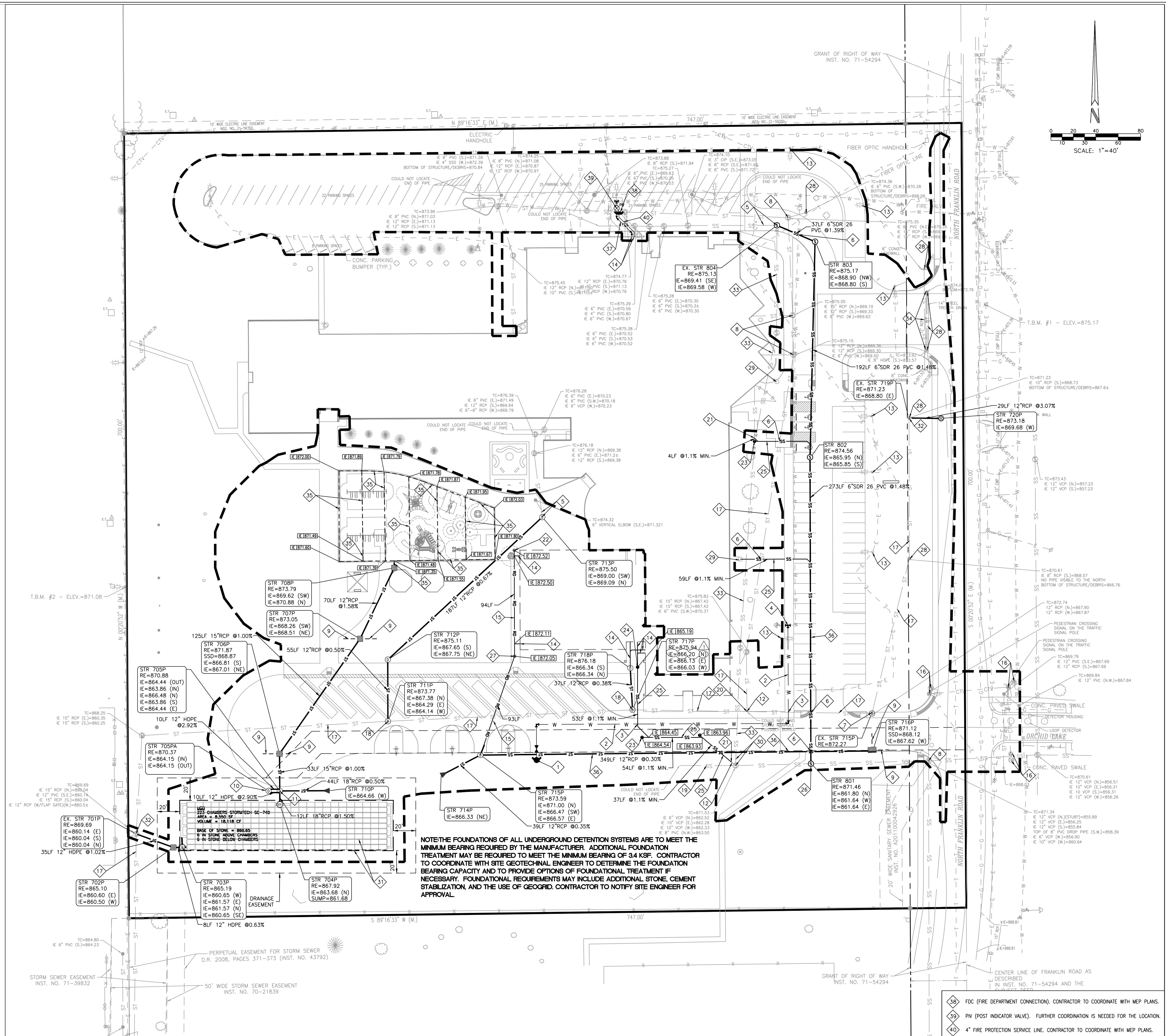
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INDIANA 811

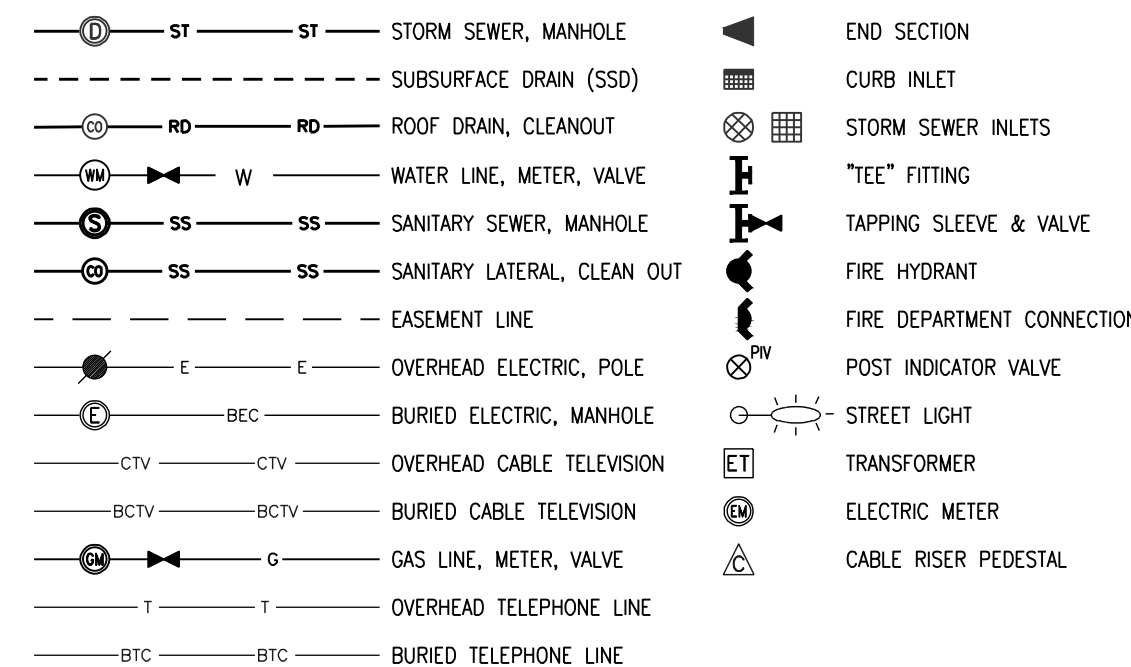
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TOLL FREE



UTILITY PLAN LEGEND



UTILITY PLAN NOTES:

2. SEE ARCHITECTURAL PLUMBING PLANS FOR PLUMBING DETAILS TO AREAS FIVE (5) FEET OUTSIDE AND INSIDE OF THE PROPOSED STRUCTURE.
3. SITE CONTRACTOR TO VERIFY ALL BUILDING LATERALS WITH PLUMBING DRAWINGS FORM TO CONSTRUCTION.
4. SITE UTILITY CONTRACTOR TO VERIFY BUILDING CONNECTION LOCATIONS AND ELEVATIONS WITH MEP AND ARCHITECTURAL PLANS FORM TO CONSTRUCTION.
5. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS FORM TO COMMENCEMENT OF CONSTRUCTION.
6. RIM ELEVATION (RE) SHALL INDICATE THE ELEVATION THAT WATER WOULD ENTER THE GRATE FOR ALL CISTERNES. IF CISTERN HAS SLOID LID, THE RE IS THE LID ELEVATION.
7. WATER AND SEWER CROSSINGS AND SEPARATIONS SHALL BE IN ACCORDANCE WITH "TEN STATE STANDARDS" AND LOCAL ORDINANCES.
8. WATER LINES THROUGHOUT THE PROJECT SHALL BE INSTALLED WITH AT LEAST 54 INCHES OF COVER TO PROVIDE PROTECTION FROM FREEZING.
9. PLASTIC WATER LINES SHALL BEAR THE NSF SEA OF APPROVAL, AND MEET COMMERCIAL STANDARD NO. 256-3, PRODUCT STANDARD 22-70, OR ASTM A 2441.
9. ALL SUB-SURFACE DRAIN (SSD) SHALL BE 6" PERFORATED DRAIN, WELL HOLE UNLESS NOTED OTHERWISE.
10. INVERT ELEVATION OF SUB-SURFACE DRAIN (SSD) AT STRUCTURE TO BE THREE (3) FEET BELOW RIM ELEVATION.
11. ANY DISCREPANCIES OR CONFLICTS WHICH APPEAR APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OR RECORD IMMEDIATELY SO THAT CLARIFICATION OR REVISIONS CAN BE MADE.
12. THESE CONNECTIONS ARE MADE TO EXISTING MANHOLES OR INLET STRUCTURES, THOSE STRUCTURES SHALL BE REHABILITATED OR REPLACED TO MEET THE MINIMUM STANDARDS OUTLINED IN CHAPTERS 400 AND 500 OF THE CITY OF INDIANAPOLIS STORMWATER SPECIFICATIONS MANUAL, LATEST EDITION.
13. THIS STANDARD SHALL INCLUDE THE INSTALLATION OF BENCH WALLS, AS WELL AS PRESSURE MEASURE TO ELIMINATE THE POTENTIAL FOR MIGRATION OF BACKFILL MATERIALS INTO THE STORMWATER SYSTEM.
14. ALL EXISTING UTILITY STRUCTURES, MANHOLES AND CATCH BASIN GRATES SHALL BE ADJUSTED TO MEET FINISHED GROUND ELEVATION.
14. ALL UTILITY STRUCTURES IN PAVED AREAS SHALL BE TRAFFIC BEARING AND SHALL BE FLOUSED WITH FINISHED PAVEMENT.

KEYNOTE LEGEND

- | | |
|----|---|
| 1 | FIRE HYDRANT ASSEMBLY |
| 2 | |
| 3 | FIRE PROTECTION SERVICE LINE (MATCH EXISTING SIZE) |
| 4 | |
| 5 | WATER AND UTILITY (GAS/STORM/SANITARY) CROSSING (18" SEPARATION). IF CONFLICT OCCURS, LOWER WATERLINE |
| 6 | CONNECT TO EXISTING WATERLINE |
| 7 | |
| 8 | CONNECT EXISTING SEWER TO PROPOSED STRUCTURE |
| 9 | |
| 10 | IF 18" SEPARATION CANNOT BE MAINTAINED, PROPOSE SANITARY SEWER CONCRETE ENCASEMENT 5' EACH WAY OF CENTERLINE OF STORM SEWER CROSSING |
| 11 | |
| 12 | REPLACE CASTING TO SOLID IDL AND ADJUST TO PROPOSED GRADE |
| 13 | |
| 14 | ADJUST CASTING TO PROPOSED GRADE. CONTRACTOR TO VERIFY THAT CASTING IS TRAFFIC INERT IN PAVED AREA. IF NOT, FILL WITH WATER CURED CONCRETE |
| 15 | |
| 16 | 15L 6" PERFORATED DUAL WALL HDPE SUBSURFACE DRAIN @ 0.50% AND CAP END. INVERT OF SSI TO BE 3' BELOW RIM ELEVATION. |
| 17 | |
| 18 | WATER QUALITY UNIT AQUASURF AS-5 (REFER TO STRUCTURE DATA TABLE ON SHEET CS02) |
| 19 | |
| 20 | DIVERSION STRUCTURE |
| 21 | |
| 22 | CONTRACTOR TO POTHOLE AND FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITY POLE TO CONSTRUCTION. |
| 23 | |
| 24 | EXISTING LIGHT POLE TO REMAIN |
| 25 | |
| 26 | REFER TO MEP PLANS FOR INVERTS AND CONTINUATION TO BUILDING |
| 27 | |
| 28 | ROOF DRAIN 6" PVC @0.50% MIN. SLOPE |
| 29 | |
| 30 | TRAFFIC SIGNAL POLE AND APPURTENANCES TO REMAIN. REFER TO TRAFFIC SIGNAL PLAN. |
| 31 | |
| 32 | EXISTING STORM SEWER PIPE TO REMAIN. |
| 33 | |
| 34 | CONNECT EXISTING PIPE TO PROPOSED. IF STRUCTURE IS RECONSTRUCTED, CORE DRILL STRUCTURE TO INSTALL PROPOSED PIPE. CONNECTION TO BE SEALED. |
| 35 | |
| 36 | CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING 10" SANITARY SEWER. |
| 37 | |
| 38 | CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING STORM SEWER MANHOLE. ADJUST CASTING TO GRADE. |
| 39 | |
| 40 | CONTRACTOR TO CONNECT PROPOSED 6" SANITARY SEWER LATERAL TO EXISTING SANITARY LATERAL. |
| 41 | |
| 42 | TERMINAL STORM SEWER CLEANOUT |
| 43 | |
| 44 | TERMINAL SANITARY SEWER CLEANOUT |
| 45 | |
| 46 | INLINE SANITARY SEWER CLEANOUT |
| 47 | |
| 48 | 6" SDP 26 PVC SANITARY LATERAL @1:10% MINIMUM SLOPE |
| 49 | |
| 50 | DODGEHOUSE MANHOLE (CONNECT EXISTING SANITARY MAIN SEWER TO PROPOSED SANITARY MANHOLE) |
| 51 | |
| 52 | INLINE STORM SEWER CLEANOUT |
| 53 | |
| 54 | CLEAN AND VACUUM DEBRIS FROM THE EXISTING SEWER INLETS, STRUCTURES AND PIPES. |
| 55 | |
| 56 | CONTRACTOR TO FIELD VERIFY IF CLEANOUT IS STORM OR SANITARY PRIOR TO CONSTRUCTION, AND NOTIFY ENGINEER SO THAT REVISION MAY OCCUR IF NECESSARY. |
| 57 | |
| 58 | SCALE HOLE OF ABANDONED PIPE IN EXISTING SANITARY MANHOLE. |
| 59 | |
| 60 | 223 SC-740 STORMTECH CHAMBERS UNDERGROUND DETENTION SYSTEM. |
| 61 | |
| 62 | CORE DRILL STRUCTURE TO INSTALL PROPOSED PIPE. |
| 63 | |
| 64 | ABANDONED SANITARY SEWER. REFER TO SHEET C101. |
| 65 | |
| 66 | EXISTING TRENCH DRAIN TO REMAIN. |
| 67 | |
| 68 | PLAYGROUND 6" PERFORATED DUAL WALL HDPE SUBSURFACE DRAIN @0.50% AND CAP END. |
| 69 | |
| 70 | GRANULAR BACKFILL |
| 71 | |
| 72 | 6" FIRE PROTECTION SERVICE LINE. CONTRACTOR TO COORDINATE WITH MEP PLANS. |



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1800 N ERANKI IN RD INDIANAPOLIS IN 46219

PROJECT:

MSD OF WARREN TOWNSHIP

RENOVATION & ADDITION

1800 N ERANKI IN RD INDIANAPOLIS IN 46219

SCOPE DRAWINGS:

On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

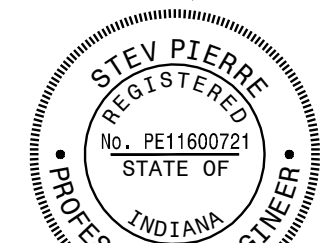
REVISION

1 ADDENDUM #1, 03/15/202

ISSUE DATE	DRAWN BY	CHECKED BY
02/26/21	J.HENSEL	S.PIERRE

DRAWING TITLE:

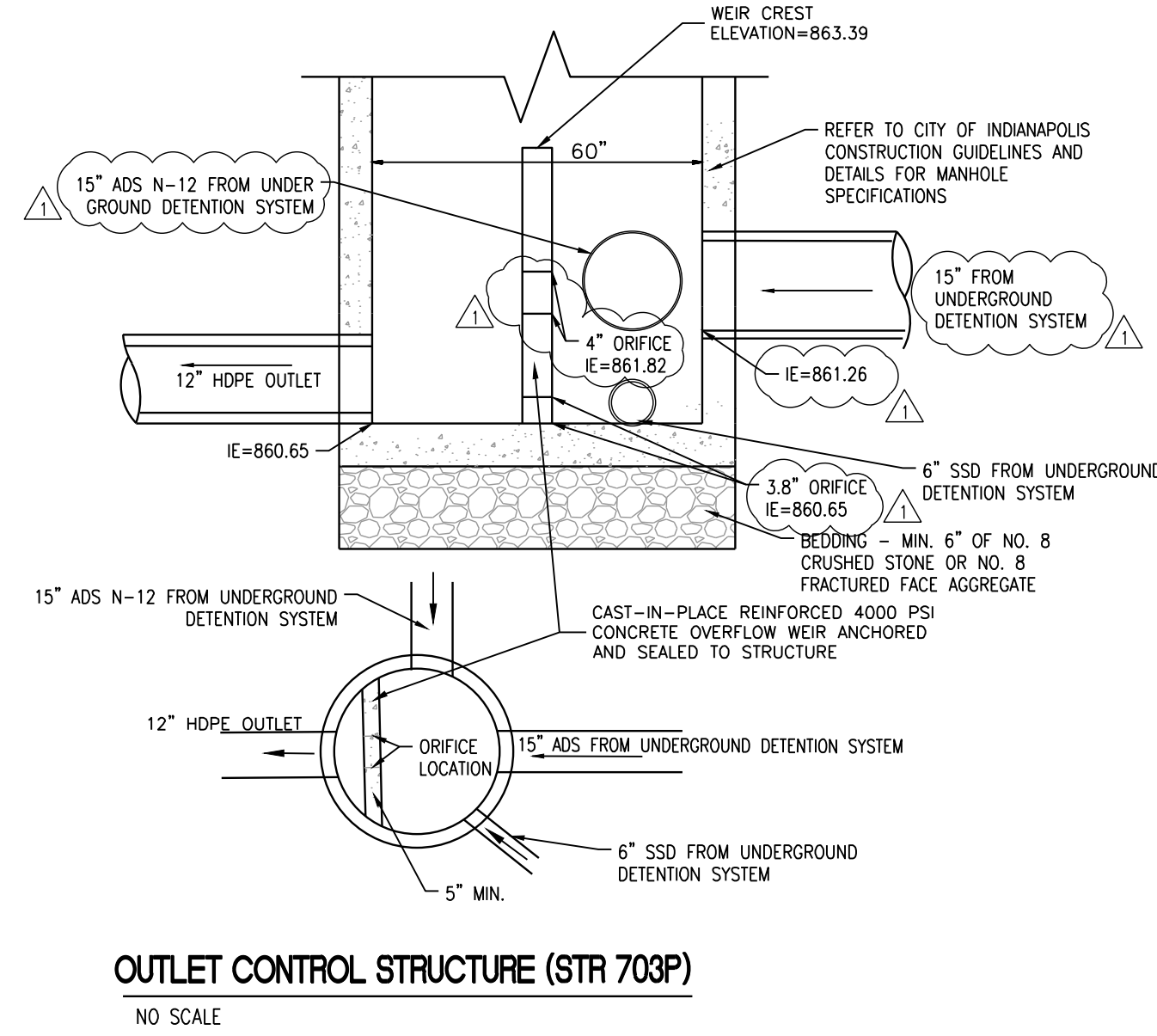
UTILITY PLAN



DRAWING NUMBER
C501

PROJECT NUMBER
2020061
CRIPE No. 200084-





OUTLET CONTROL STRUCTURE (STR 703P)
NO SCALE

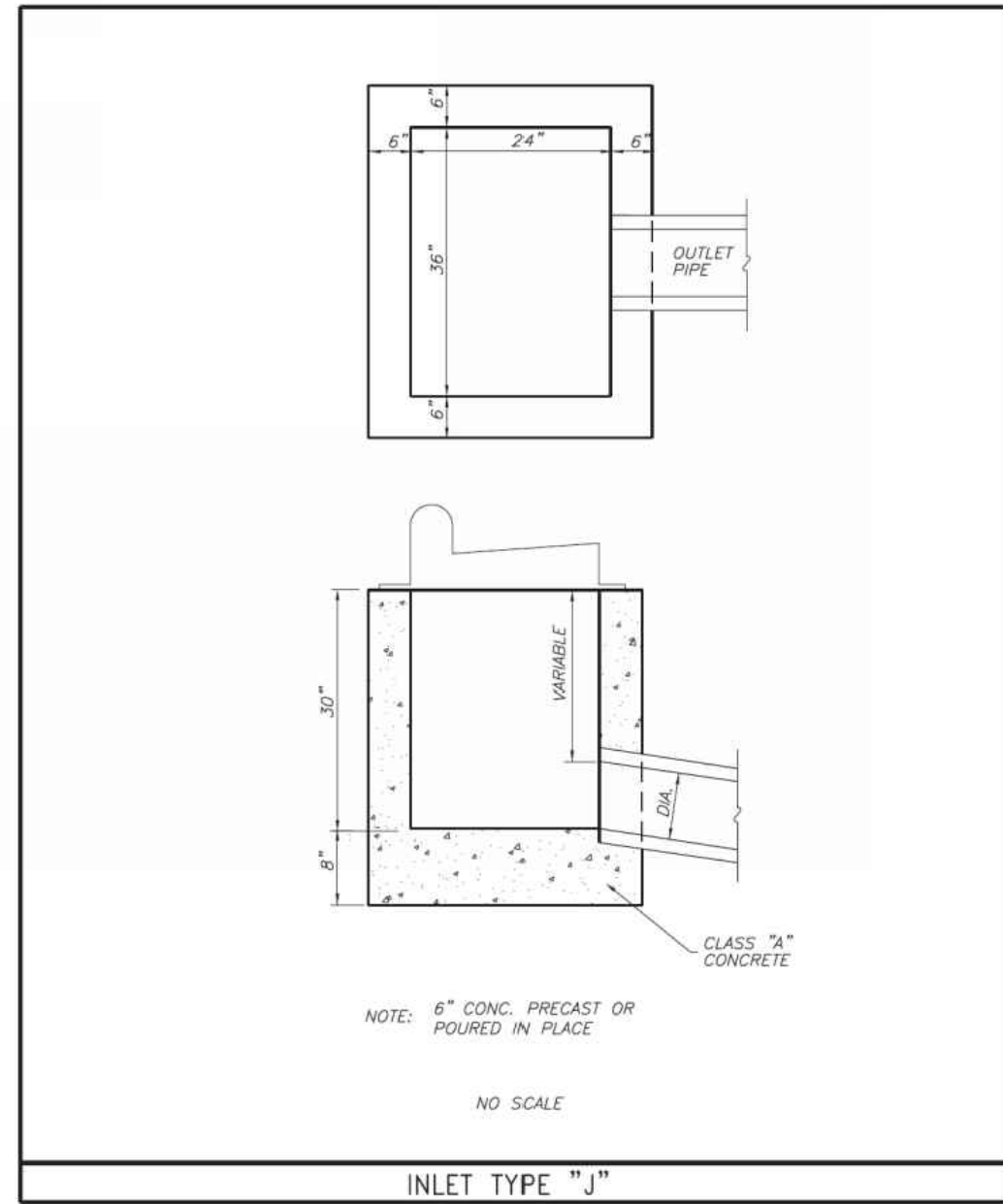


FIGURE 400-09: Inlet Type "J"

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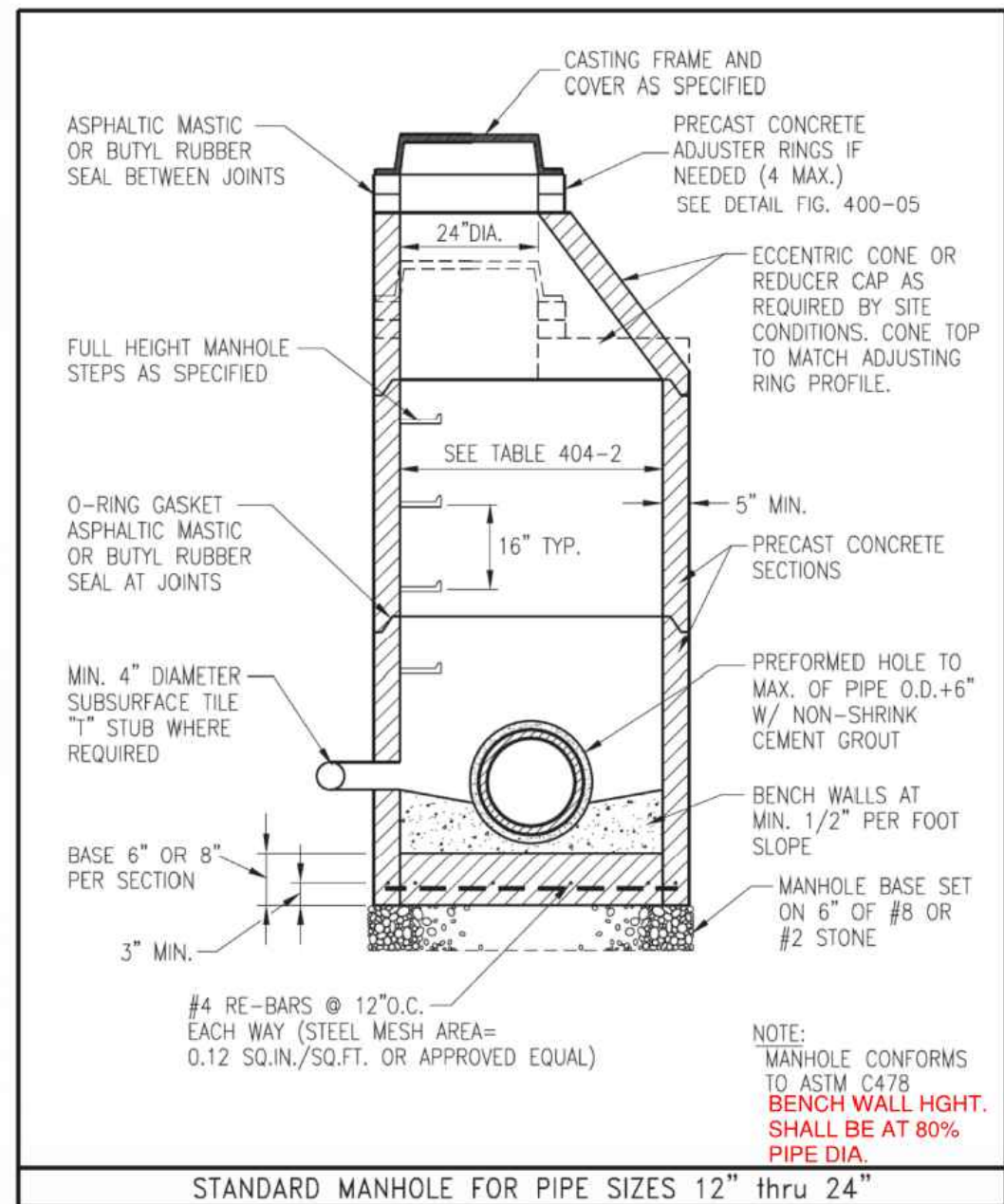


FIGURE 400-01: Standard Manhole for Pipe Sized 12" thru 24"

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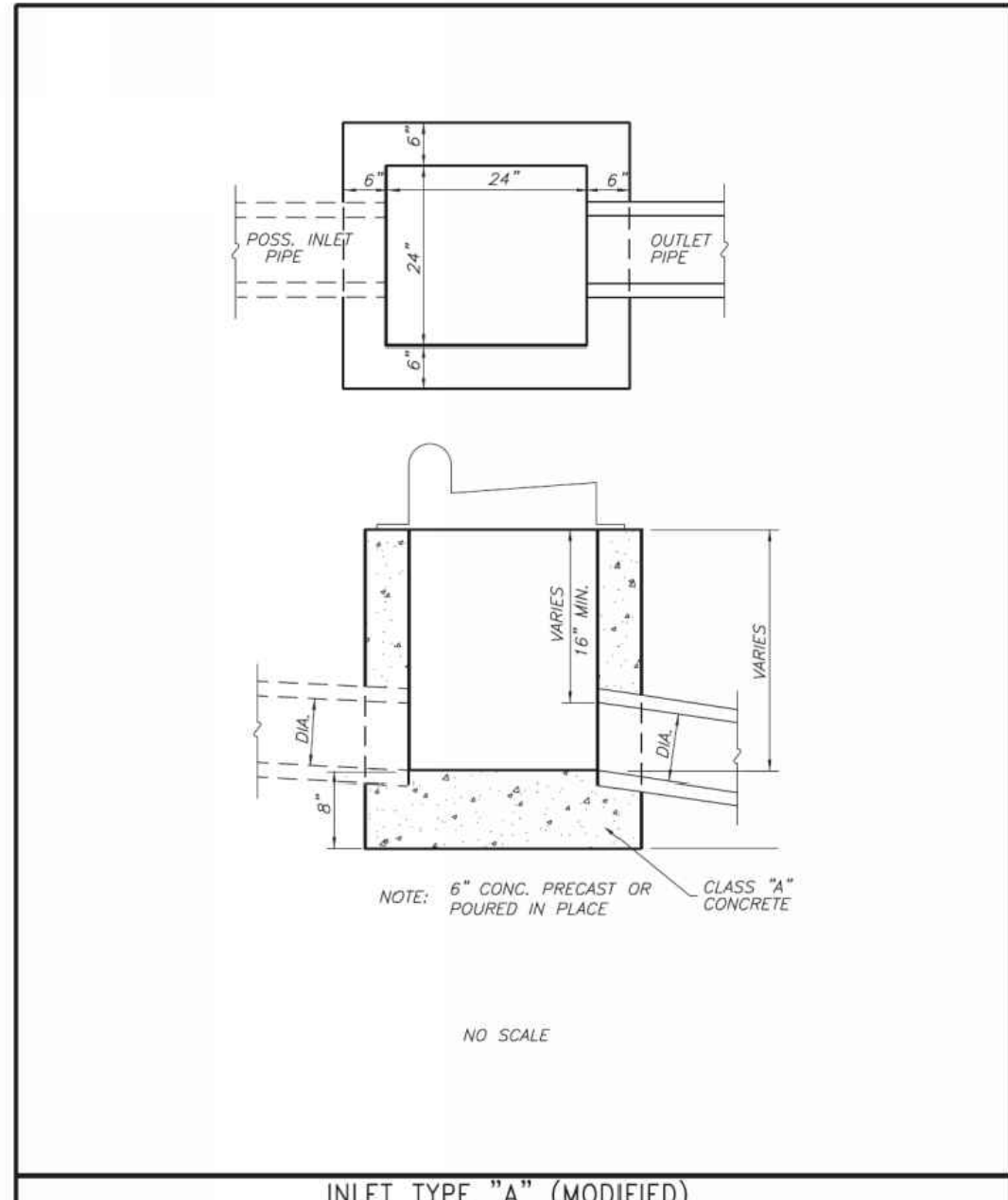


FIGURE 400-05: Inlet Type "A" (Modified)
(12" TO 18" PIPES)

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Storm Water Specifications Manual

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PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER	
ADS SALES REP	
PROJECT NO.	



SC-740 STORMTECH CHAMBER SPECIFICATIONS

- CHAMBERS SHALL BE STORMTECH SC-740.
- CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16a, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPED FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (< 1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER; 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 550 (LBS/INCH) AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
 - THE STRUCTURAL EVALUATION SHALL BE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER.
 - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.85 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
 - THE TEST-DERIVED CRISP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 70-YEAR MODULUS USED FOR DESIGN.
- CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-740 SYSTEM

- STORMTECH SC-740 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- STORMTECH SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740DC-780 CONSTRUCTION GUIDE".
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
 - STONESHOOTER LOCATED OFF THE CHAMBER BED.
 - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG-BOOM HOSE OR EXCAVATOR.
- THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
- MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4"-2" (20-40 mm).
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
- ADS RECOMMENDS THE USE OF "FLEXISTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

- STORMTECH SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740DC-780 CONSTRUCTION GUIDE".
- THE USE OF CONSTRUCTION EQUIPMENT OVER SC-740 CHAMBERS IS LIMITED:
 - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 - NO RUBBER-TYRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740DC-780 CONSTRUCTION GUIDE".
 - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740DC-780 CONSTRUCTION GUIDE".
- FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-862-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

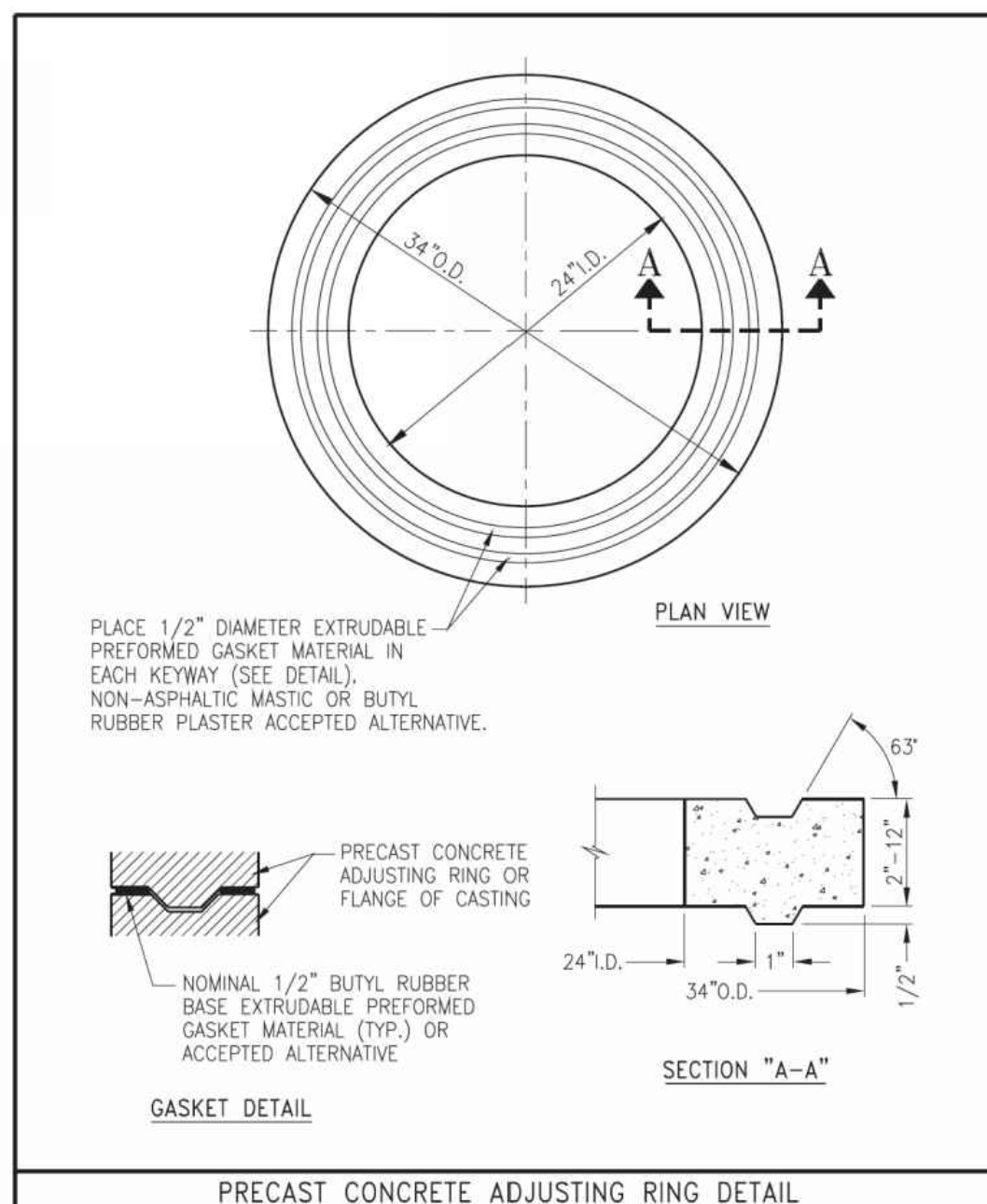


FIGURE 400-10: Precast Concrete Adjusting Ring Detail

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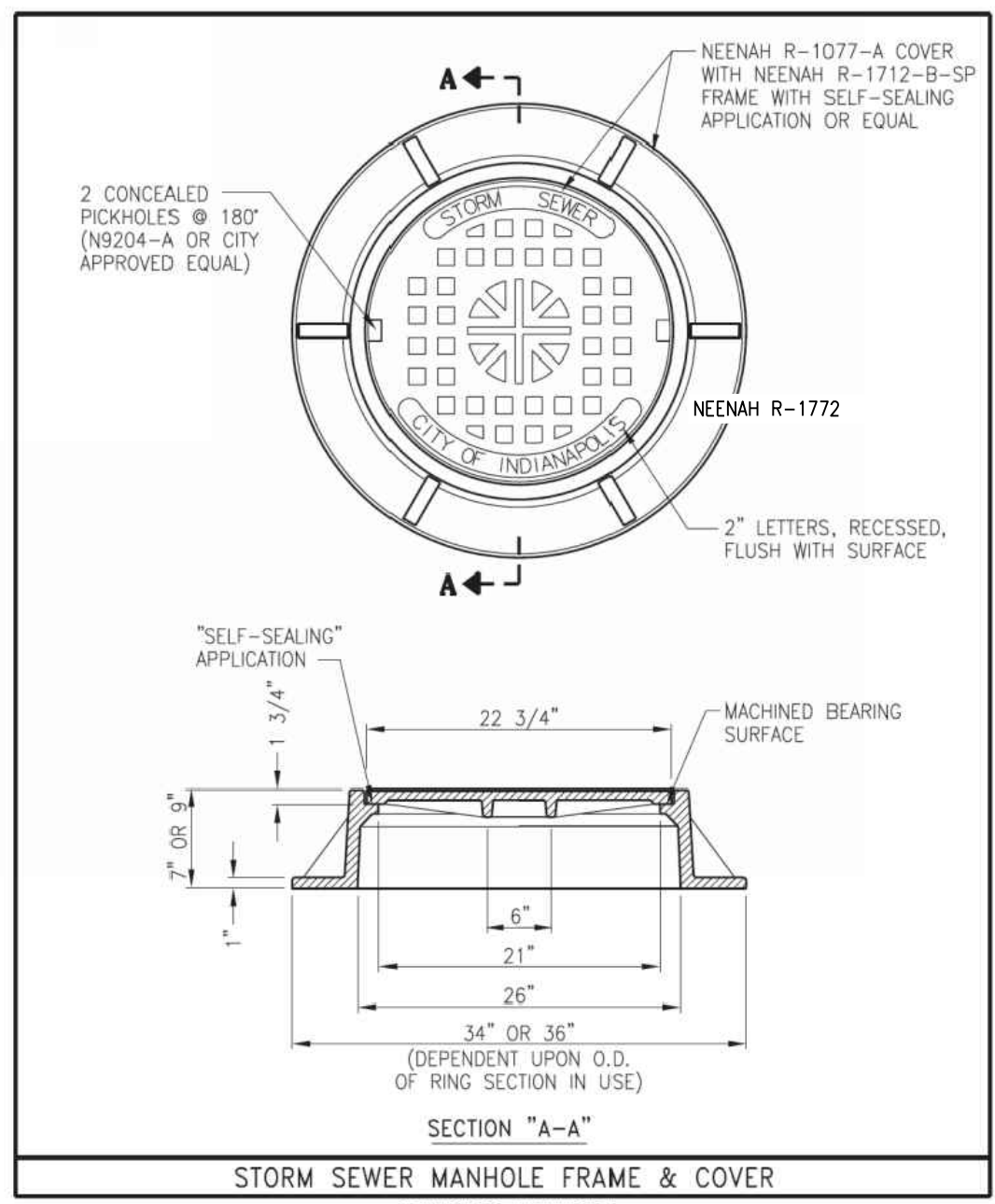


FIGURE 400-11: Storm Sewer Manhole Frame & Cover

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PLEASANT RUN ELEMENTARY SCHOOL
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SCOPE DRAWINGS:
These drawings represent the design intent of the project. The drawings are not to be used for construction without the approval of the designer. The drawings do not represent the final design. The drawings are not to be used for construction without the approval of the designer. The drawings are not to be used for construction without the approval of the designer.

REVISIONS:
ADDENDUM #1, 05/15/2021

ISSUE DATE	DRAWN BY	CHECKED BY
02/26/21	J.HENSEL	S.PIERRE

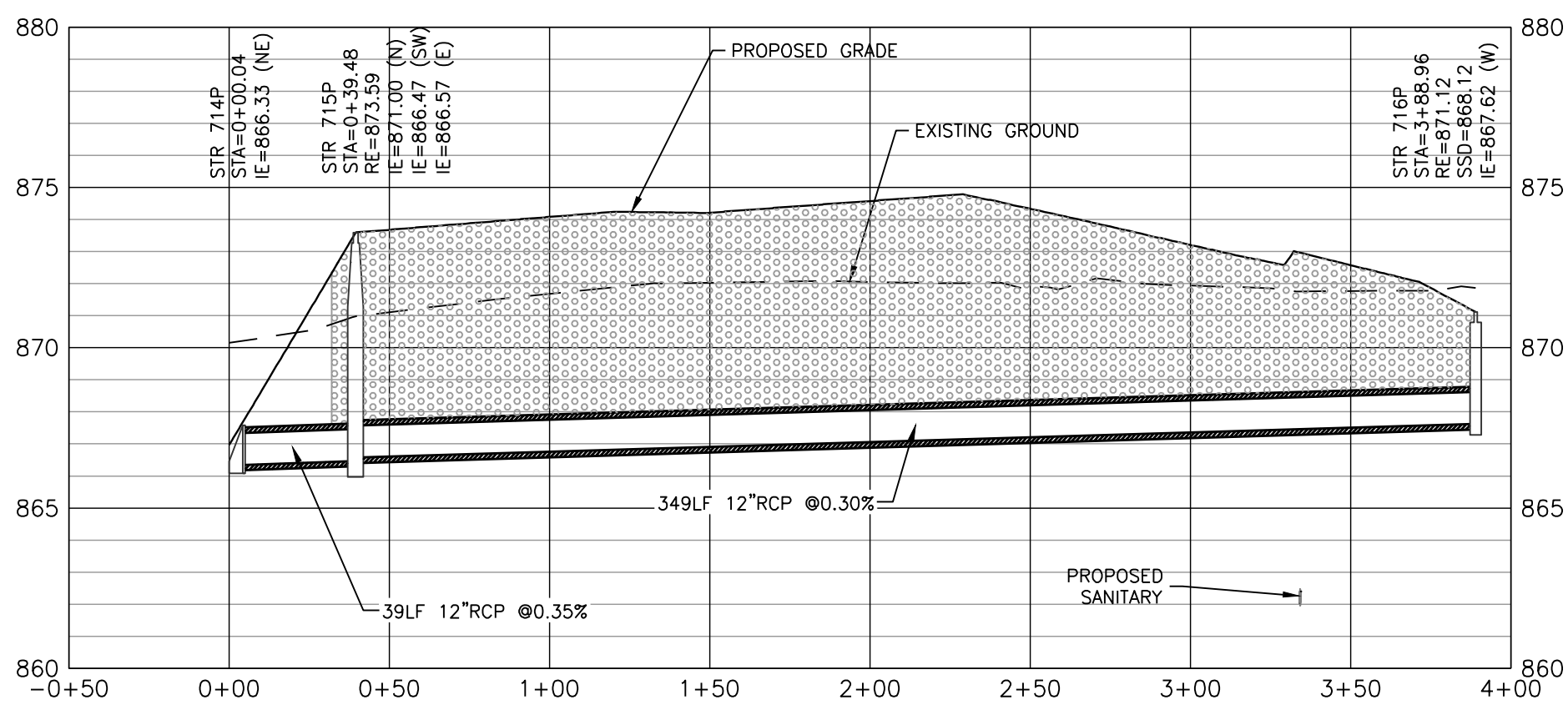
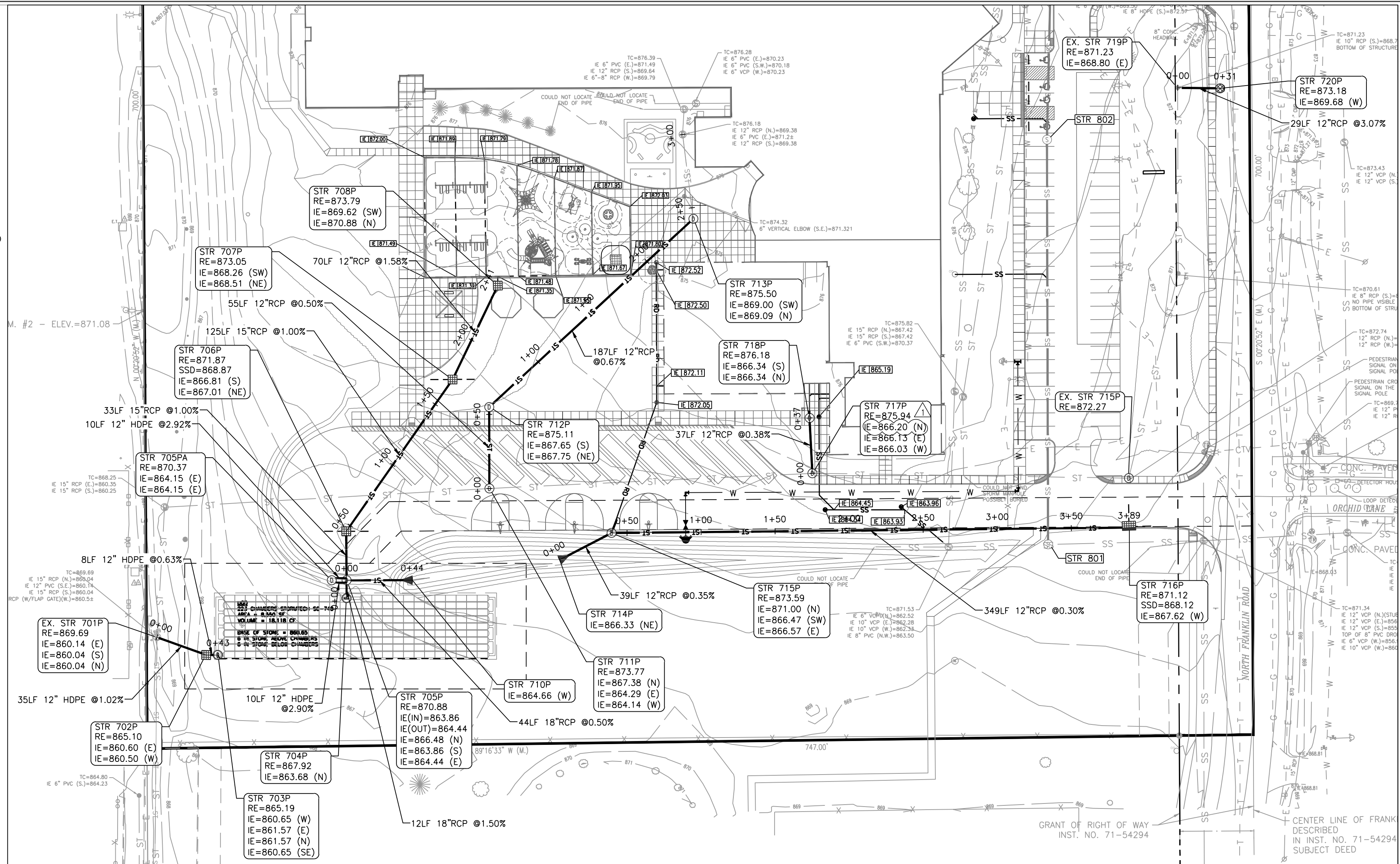
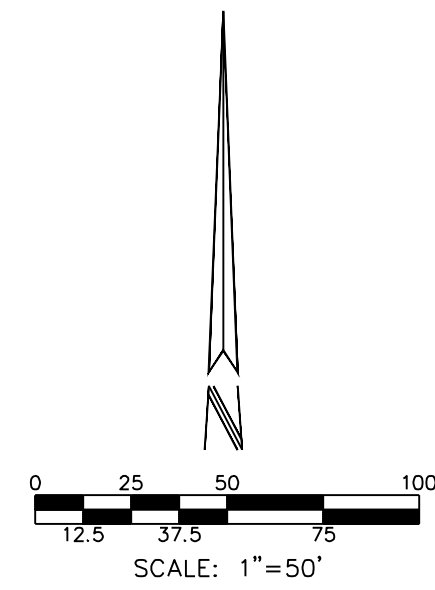
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UTILITY
DETAILS

CERTIFIED BY:

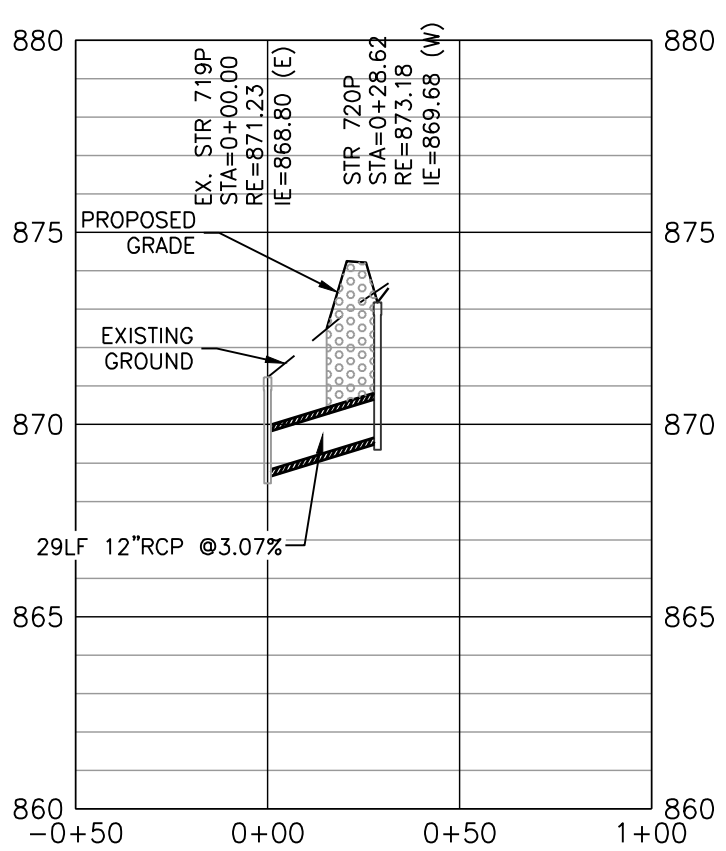


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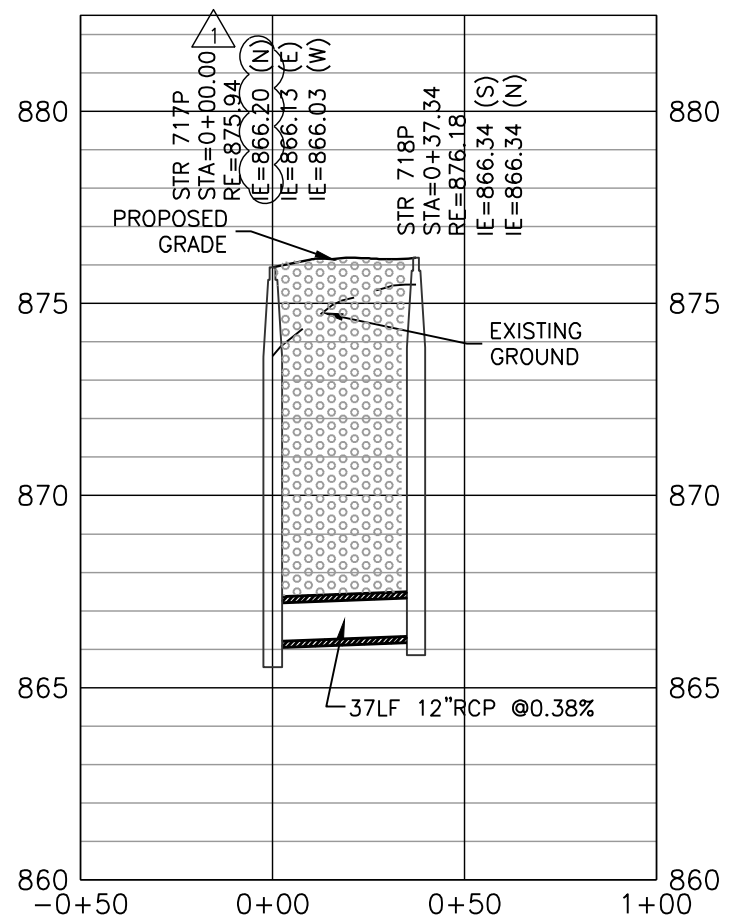
PROJECT NUMBER
2020061
CRIPE No. 200084-20010



PROFILE - STR 714P TO STR 716P
HOR SCALE = 1"=50'
VERT. SCALE = 1"=5'



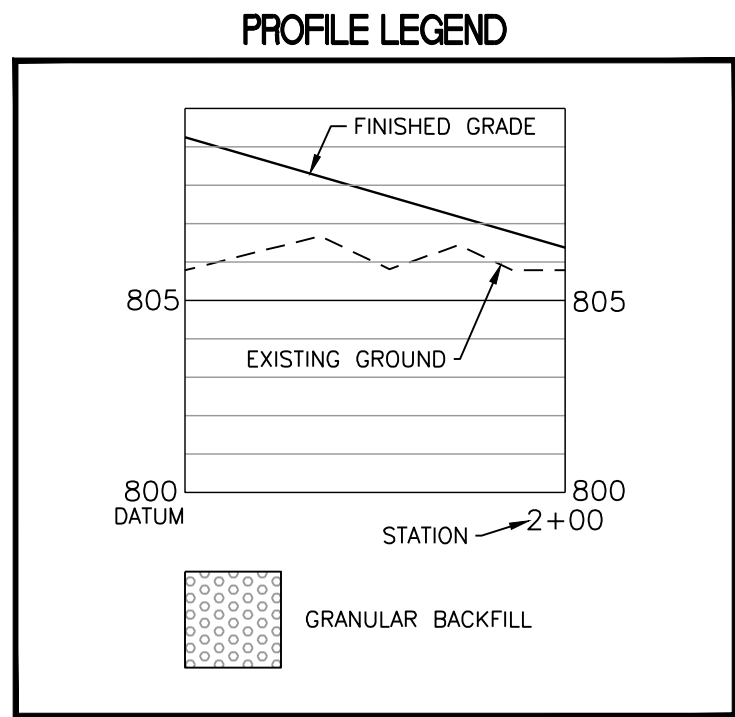
PROFILE - EX STR 719P TO STR 720P
HOR SCALE = 1"=50'
VERT. SCALE = 1"=5'



PROFILE - STR 717P TO STR 718P
HOR SCALE = 1"=50'
VERT. SCALE = 1"=5'

UTILITY PLAN LEGEND	
	SECTION 1 BOUNDARY LIMITS
	PROPERTY LINE EASEMENT LINE
	RIGHT OF WAY
	FENCE
	STORM SEWER MANHOLE
	SUBSURFACE DRAIN (SSD) CLEANOUT RISER
	ROOF DRAIN, CLEANOUT
	WATER LINE, METER, VALVE
	SANITARY SEWER, MANHOLE
	SANITARY LATERAL, CLEAN OUT
	SANITARY SEWER FORCE MAIN
	SANITARY SEWER FORCE MAIN LATERAL, CHECK VALVE
	OVERHEAD ELECTRIC, POLE
	BURIED ELECTRIC, MANHOLE
	OVERHEAD CABLE TELEVISION
	BURIED CABLE TELEVISION
	GAS LINE, METER, VALVE
	OVERHEAD TELEPHONE LINE
	BURIED TELEPHONE LINE
	END SECTION
	CURB INLET
	STORM SEWER INLETS
	TEE FITTING
	TAPPING SLEEVE & VALVE
	FIRE HYDRANT ASSEMBLY
	FIRE DEPARTMENT CONNECTION
	POST INDICATOR VALVE
	STREET LIGHT
	TRANSFORMER
	ELECTRIC METER
	CABLE RISER PEDESTAL
	REDUCER
	BLOW OFF VALVE
	LOT NUMBER

- P.S.S.D.&E.
S.D.J.&E.M.A.E.
S.D.&E.
S.E.
- PRIVATE STREET, SANITARY, DRAINAGE AND UTILITY EASEMENT
SANITARY, DRAINAGE, UTILITY, AND LANDSCAPE MAINTENANCE ACCESS EASEMENT
SANITARY, DRAINAGE AND UTILITY EASEMENT
SANITARY SEWER EASEMENT
- ### STORM SEWER PLAN AND PROFILE GENERAL NOTES
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
 - IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
 - ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS, STEPS AND PIPE CONNECTIONS WELL GROUNDED, TROWELED SMOOTH AND BRUSH FINISHED.
 - ALL STRUCTURES (IE MANHOLES, INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCH WALLS SHALL BE TROWELED SMOOTH AND BRUSH FINISHED.
 - FIELD ADJUSTMENTS OF TOP OF CURB (TC) OF STRUCTURES MAY BE REQUIRED TO MEET FIELD CONDITIONS, ADJUSTMENTS EXCEEDING FIVE TENTHS (0.5) OF A FOOT MUST BE APPROVED BY THE ENGINEER TO DETERMINE THE INTEGRITY OF THE STRUCTURE, AT NO COST TO THE OWNER.
 - STORM STRUCTURES WITH INLET CASTINGS SHALL BE SET TO MAINTAIN A POSITIVE DRAINAGE FLOW INTO THE STRUCTURE.
 - STORM PIPE INVERTS AT OUTLET STRUCTURES (IE, END SECTIONS), AND PIPE LENGTHS MAY REQUIRE FIELD ADJUSTMENTS TO MEET ACTUAL FIELD CONDITIONS.
 - FULL DEPTH GRANULAR BACKFILL SHALL BE REQUIRED UNDER AND WITHIN (5) FEET OF ALL PAVED AREAS, INCLUDING CURBS, EDGES OF PAVEMENT, AND SIDEWALKS.
 - PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND INCLUDE END SECTIONS.
 - RM ELEVATIONS (RE) SHALL INDICATE THE ELEVATION THAT WATER WOULD ENTER A STRUCTURE.
 - INVERT ELEVATION OF SUB-SURFACE DRAIN (SSD) AT STRUCTURE TO BE THREE (3) FEET BELOW RM ELEVATION.
 - ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REVISION MAY OCCUR.
 - NO BLASTING SHALL BE PERFORMED ON THIS SITE.
 - NO SEISMIC VIBRATING OPERATIONS WILL OCCUR ON THIS SITE.
 - STRUCTURES DEEPER THAN 4' MUST BE ACCESSIBLE WITH STEPS.
 - DEBRIS GUARD TO BE INSTALLED ON ALL OPEN ENDED INLETS.
 - ALL STORM SEWER, INCLUDING SSD, SHALL BE CLEANED AND TELEVIEWED AFTER ALL UNDERGROUND UTILITIES ARE INSTALLED.
 - ALL BEEHIVE CASTINGS ON A 2'X2' BOX SHALL HAVE A SQUARE RISER WITH A ROUND HOLE.
 - WHERE CONNECTIONS ARE MADE TO EXISTING MANHOLES OR INLET STRUCTURES, THOSE STRUCTURES SHALL BE REHABILITATED OR REPLACED TO THOSE MINIMUM STANDARDS OUTLINED IN CHAPTERS 400 AND 500 OF THE CITY OF INDIANAPOLIS STORMWATER SPECIFICATIONS MANUAL, LATEST EDITION. THE REHABILITATION SHALL INCLUDE THE INSTALLATION OF BENCH WALLS, AS WELL AS PRESCRIBED MEASURES TO ELIMINATE THE POTENTIAL FOR MIGRATION OF BACKFILL MATERIALS INTO THE STORMWATER SYSTEMS.



PROJECT:
MSD OF WARREN TOWNSHIP
PLEASANT RUN ELEMENTARY SCHOOL
RENOVATION & ADDITION
1800 N. FRANKLIN RD. INDIANAPOLIS, IN 46219

SCOPE DRAWINGS:
These drawings are prepared for the general scope of the project in terms of architectural design concepts, the dimensions of the building, the major architectural details and the location of structural, mechanical and electrical systems. The drawings do not necessarily include or describe all work required for the project and are subject to the requirements of the Contract. On the basis of the general scope indicated or described, the contractor shall furnish all data required for the proper execution and completion of the work.

REVISIONS:
ADDENDUM #1, 03/15/2021

ISSUE DATE	DRAWN BY	CHECKED BY
02/26/21	J.HENSEL	S.PIERRE

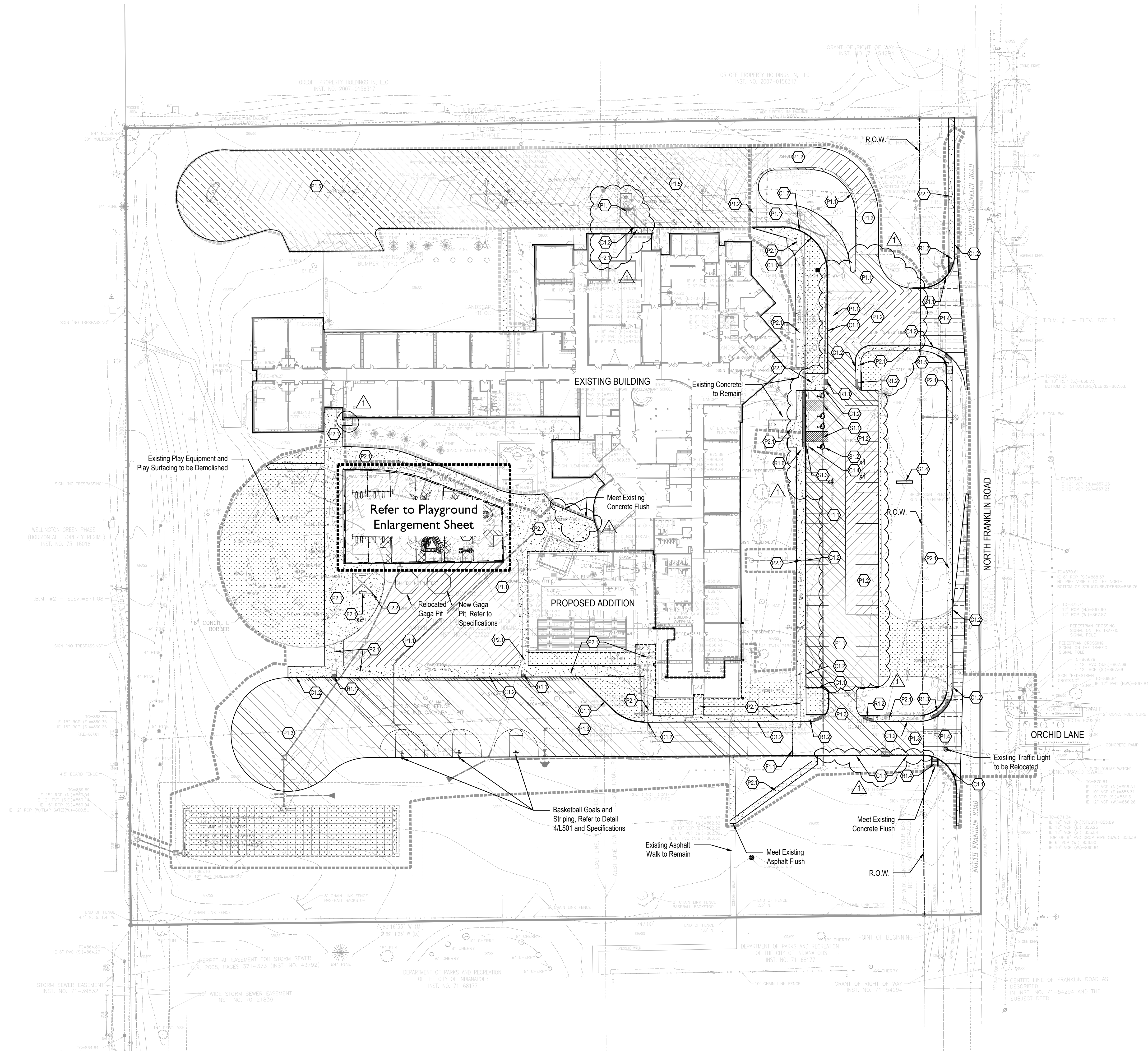
DRAWING TITLE:
STORM SEWER PLAN & PROFILES

CERTIFIED BY:

STEVE PIERRE
REGISTERED PROFESSIONAL ENGINEER
PE11600221
STATE OF INDIANA

DRAWING NUMBER
C702

PROJECT NUMBER
2020061
CRPE No. 20084-20010

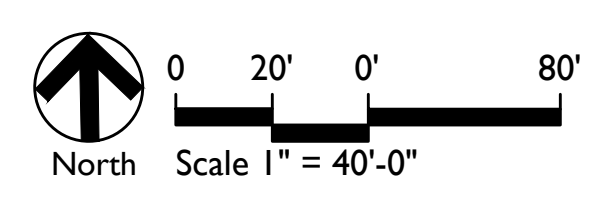


MATERIAL LEGEND

- C1.0 Curbing
- C1.1 Concrete Post Curb, Refer to Detail 7/L500
 - C1.2 Integral Concrete Curb and Walk, Refer to Detail 8/L500
 - C1.3 Post Curb at Play Surface, Refer to Detail 9/L500
 - C1.4 Wheel Stop, Refer to Detail 5/L501
- F1.0 Fencing
- F1.1 34'-0" Swing Gate, Refer to Specifications
- F2.0 Site Furnishings
- F2.1 Bench, Refer to Specifications
 - F2.2 Shade Structure, Refer to Specifications
- P1.0 Pavement, Asphalt
- P1.1 Standard Asphalt Pavement, Refer to Detail 2/L500
 - P1.2 Mill and Resurface Asphalt Pavement, Refer to Detail 3/L500
 - P1.3 Heavy Duty Asphalt Pavement, Refer to Detail 1/L500
 - P1.4 ROW Asphalt Paving, Refer to Civil Drawings
 - P1.5 Sealcoat Asphalt Pavement, Refer to Specification
- P2.0 Pavement, Concrete
- P2.1 Standard Concrete Pavement, Refer to Details 4-6/L500
- R1.0 Accessible Sidewalk Ramps
- R1.1 Integrated Sidewalk Ramp, Refer to Detail 5/L502
 - R1.2 Corner Ramp with Curb, Refer to Detail 2/L502
 - R1.3 Double Sidewalk Ramp with Curb, Refer to Detail 4/L502
 - R1.4 Straight Ramp, Refer to Detail 3/L502
 - R1.5 Depressed Corner Curb Ramp, Refer to Detail 1/L502
 - R1.6 Parallel Ramp, Refer to Detail 6/L502
- S1.0 Signage, (comply with MUTCD Standards)
(VIF Regulatory Signs with Owner Representative)
- S1.1 Van Accessible ADA Parking, Refer to Detail 1/L501 and Specifications
 - S1.2 Accessible Parking Symbol, Refer to Detail 2/L501 and Specifications
 - S1.3 Accessible Parking Sign, Refer to Detail 3/L501 and Specifications
 - S1.4 Monumental Sign, Existing to Remain
- S2.0 Playground Protective Surfacing
- S2.1 Engineered Wood Fiber Play Surface, Refer to Detail 10/L500
 - S2.2 Resilient Rubber Play Surface, Refer to Detail 11/L500

Area to be Seeded

Note:
Refer to Details and Specifications for Pavement Striping.





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PROJECT:
MSD OF WARREN TOWNSHIP

PLEASANT RUN ELEMENTARY SCHOOL
RENOVATION & ADDITION

1800 N. FRANKLIN RD. INDIANAPOLIS, IN 46219

SCOPE DRAWINGS:

These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the project. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	03-15-2021	Addendum 01
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ISSUE DATE	DRAWN BY	CHECKED BY
02/28/2021	MA	CCH

DRAWING TITLE:

MATERIALS AND NOTES PLAN

CERTIFIED BY:

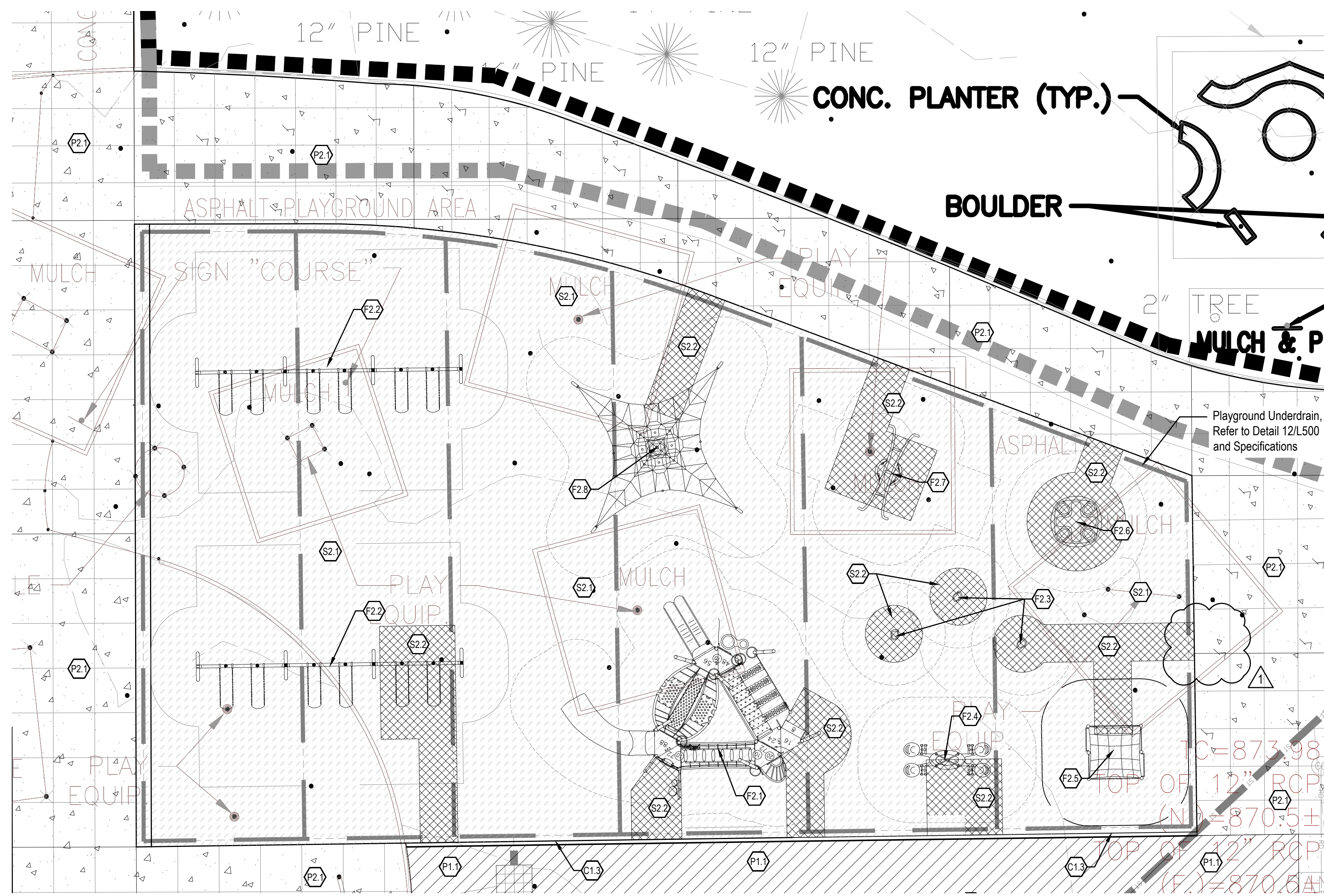
ALYSSA P. PRAZAKO
REGISTERED
No. 2020-0132
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2021

DRAWING NUMBER

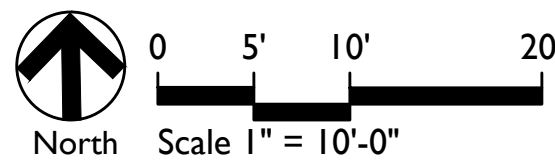
L101

PROJECT NUMBER

2020061



NOTE:
Concrete Walks Adjacent to
Play Surfacing to have
Turndown Edge



MATERIAL LEGEND

- C1.0 Curbing
- C1.1 Concrete Post Curb, Refer to Detail 7/L500
 - C1.2 Integral Curb and Walk, Refer to Detail 8/L500
 - C1.3 Post Curb at Play Surface, Refer to Detail 9/L500
- F2.0 Playground Equipment
- F2.1 Composite Play Structure, Refer to Specifications
 - F2.2 3 Bay Arch Swing, Refer to Specifications
 - F2.3 Standing Spinner, Refer to Specifications
 - F2.4 4-Person Seesaw, Refer to Specifications
 - F2.5 Small Climber, Refer to Specifications
 - F2.6 Large Spinner, Refer to Specifications
 - F2.7 Group Swing, Refer to Specifications
 - F2.8 Net Climber, Refer to Specifications
- P1.0 Pavement, Asphalt
- P1.1 Standard Asphalt Pavement, Refer to Detail 2/L5010
 - P1.2 Mill and Resurface Asphalt Pavement, Refer to Detail 3/L500
 - P1.3 Heavy Duty Asphalt Pavement, Refer to Detail 1/L500
 - P1.4 ROW Asphalt Paving, Refer to Civil Drawings
 - P1.5 Sealcoat Asphalt Pavement, Refer to Specifications
- P2.0 Pavement, Concrete
- P2.1 Standard Concrete Pavement, Refer to Details 4-6/L500
- S2.0 Playground Protective Surfacing
- S2.1 Engineered Wood Fiber Play Surface, Refer to Detail 10/L500
 - S2.2 Resilient Rubber Play Surface, Refer to Detail 11/L500
- Area to be Seeded
- Note:
Refer to Details and Specifications for Pavement Striping.

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PROJECT:
MSD OF WARREN TOWNSHIP
PLEASANT RUN ELEMENTARY SCHOOL
RENOVATION & ADDITION
1800 N. FRANKLIN RD. INDIANAPOLIS, IN 46219

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concepts, the dimensions of the building, the major structural elements, and the location of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the project. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 03-15-2021 Addendum 01

ISSUE DATE	DRAWN BY	CHECKED BY
02/26/2021	MA	CCH

DRAWING TITLE:
PLAYGROUND
ENLARGEMENT

CERTIFIED BY:
ALYSSA P. PRAJEU
REGISTERED
No. 2020-0132
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2021

DRAWING NUMBER
L110

PROJECT NUMBER
2020061



MSD OF WARREN TOWNSHIP
PLEASANT RUN ELEMENTARY SCHOOL
RENOVATION & ADDITION
1800 N. FRANKLIN RD. INDIANAPOLIS, IN 46219

SCOPE DRAWINGS:
These drawings indicate the general scope of the project, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe the work required for full performance and completion of the elements of the Contract.
On the basis of the general scope indicated or described, trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	03-15-2021 Addendum 01
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SUE DATE	DRAWN BY	CHECKED BY
2/26/2021	MA	CCH

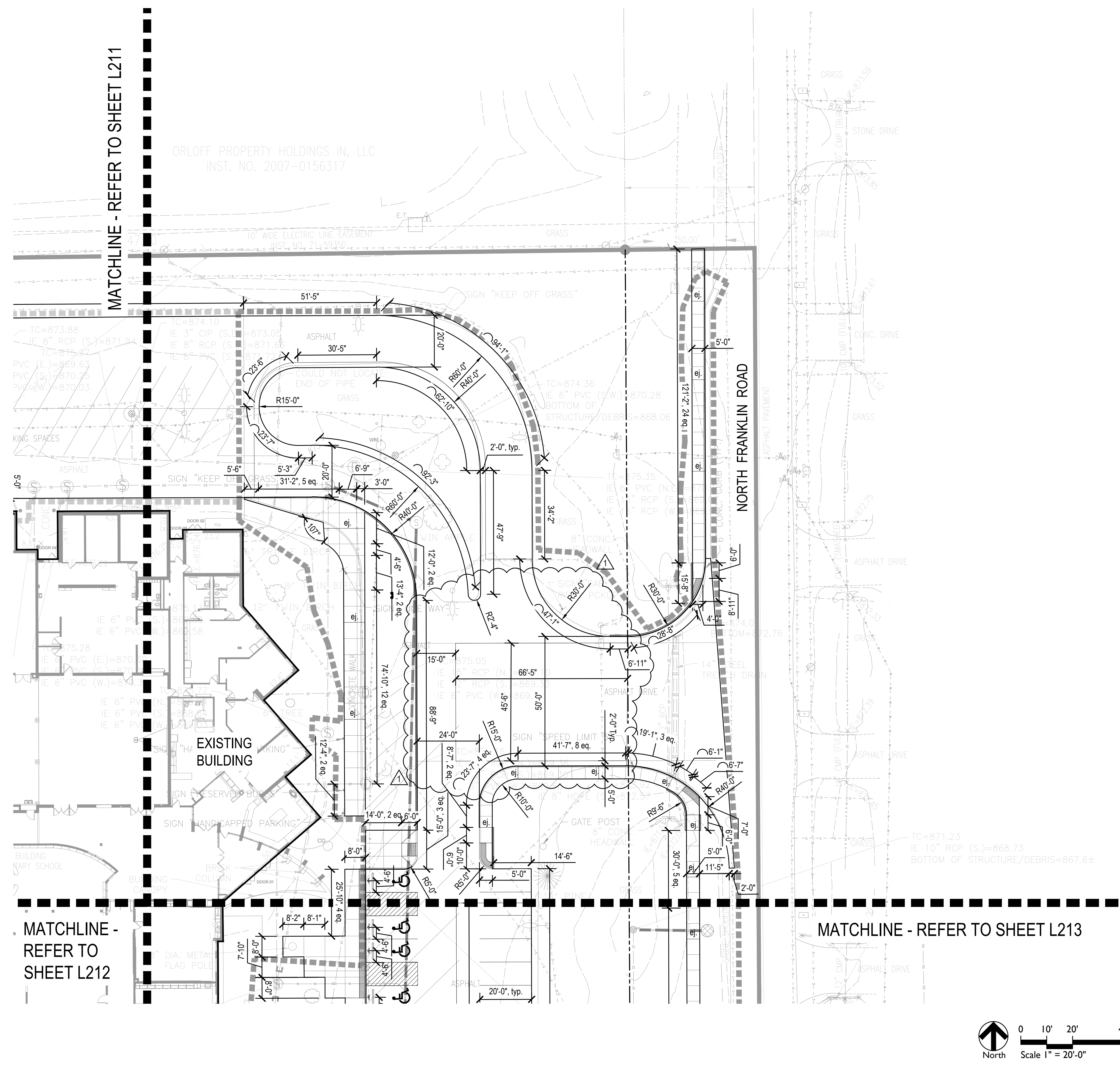
DRAWING TITLE:
LAYOUT PLAN
ENLARGEMENT

CERTIFIED BY:

ALYSSA P. PRAZAU
REGISTERED
No.
2020-0132
STATE OF
INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2021

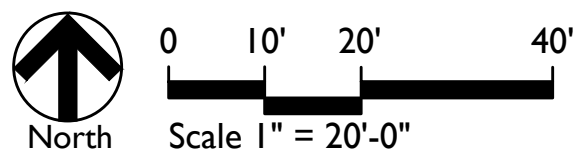
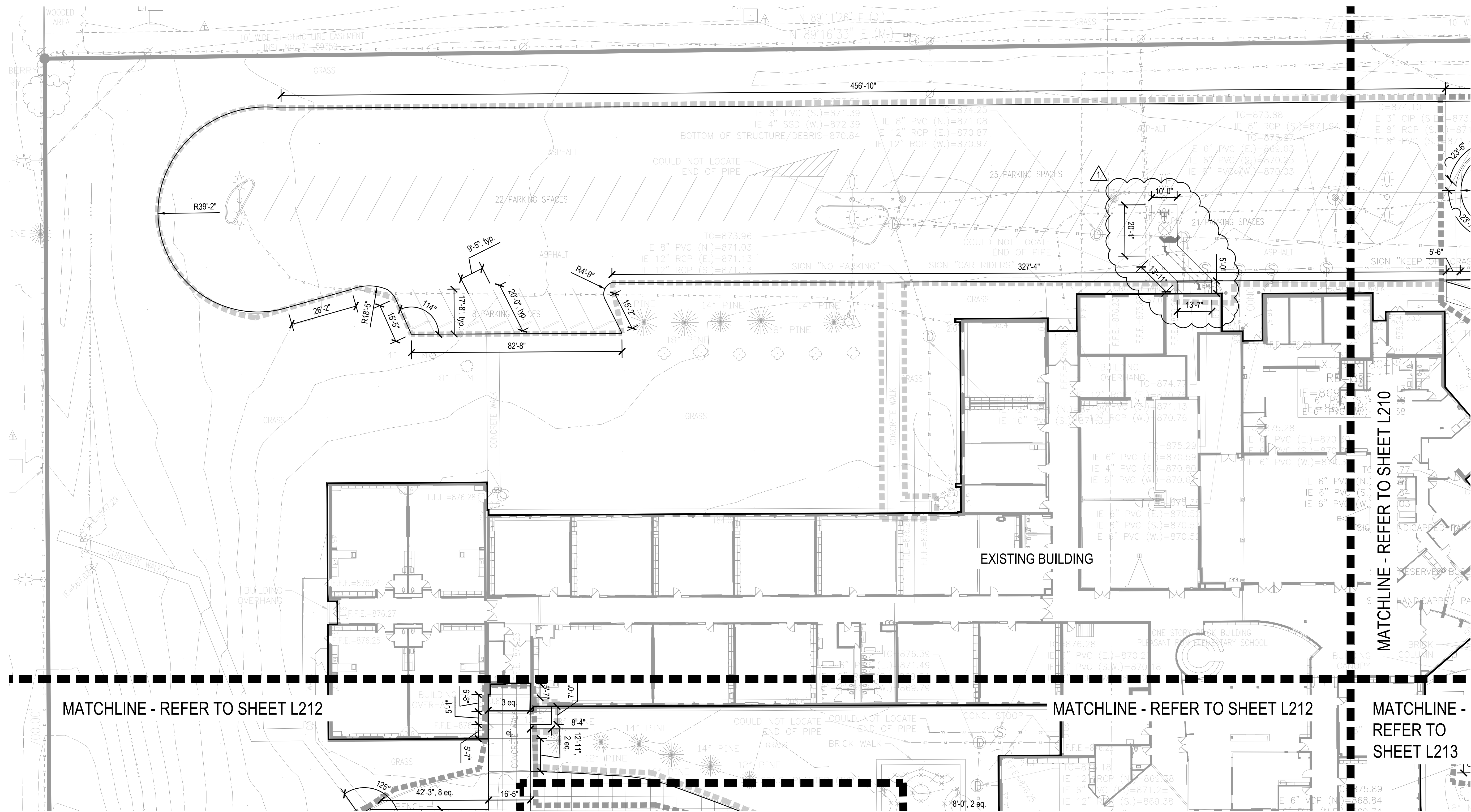
DRAWING NUMBER
L210

PROJECT NUMBER
2020061



LAYOUT NOTES

2. Dimensions are shown to Face of Curb unless otherwise noted.
3. Contractor shall coordinate final joint locations in the field with the Landscape Architect.
4. Align to existing conditions when practical, including at building and wall corners, connections to existing work, and to centerlines of roads.
5. Space control joints evenly between all bands and expansion joints as shown, unless otherwise dimensioned. Space interim joints equal whenever possible.
6. Digital AutoCAD files will be provided to the successful bidder as a courtesy to assist with field layout. The Contractor maintains all responsibility for the use, accuracy, and confirmation of such data.
7. All pavement striping shown shall adhere to Specifications. The Contractor shall include in their bid any miscellaneous copy, striping, or curb painting that may be requested by the Fire Marshal.
8. All disturbed areas not proposed to receive pavements shall be dressed with topsoil and seeded per Specifications.
9. Contractor shall provide and install One (1) Accessible Parking Space per accessible parking space indicated in plans. Coordinate final location in the field with Landscape Architect.



LAYOUT NOTES

1. Dimensions are shown to Face of Curb unless otherwise noted.
2. Contractor shall coordinate final joint locations in the field with the Landscape Architect. Align to existing conditions when practical, including at building and wall corners, connections to existing work, and to centerlines of doors.
3. Space control joints evenly between all bands and expansion joints as shown, unless otherwise dimensioned. Space interim joints equally whenever possible.
4. Digital AutoCAD files will be provided to the successful bidder as a courtesy to assist with field layout. The Contractor maintains all responsibility for the use, accuracy, and confirmation of such data.
5. All pavement striping shown shall adhere to Specifications. The Contractor shall include in their bid any miscellaneous copy, striping, or curb painting that may be requested by the Fire Marshal.
6. All disturbed areas not proposed to receive pavements shall be dressed with topsoil and seeded per Specifications.
7. Contractor shall provide and install One (1) Accessible Parking Sign per accessible parking space indicated in plans. Coordinate final location in the field with Landscape Architect.



CSO

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PROJECT:
MSD OF WARREN TOWNSHIP
**PLEASANT RUN ELEMENTARY SCHOOL
RENOVATION & ADDITION**
1800 N. FRANKLIN RD. INDIANAPOLIS, IN 46219

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for the performance and completion of the project. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 03-15-2021 Addendum 01

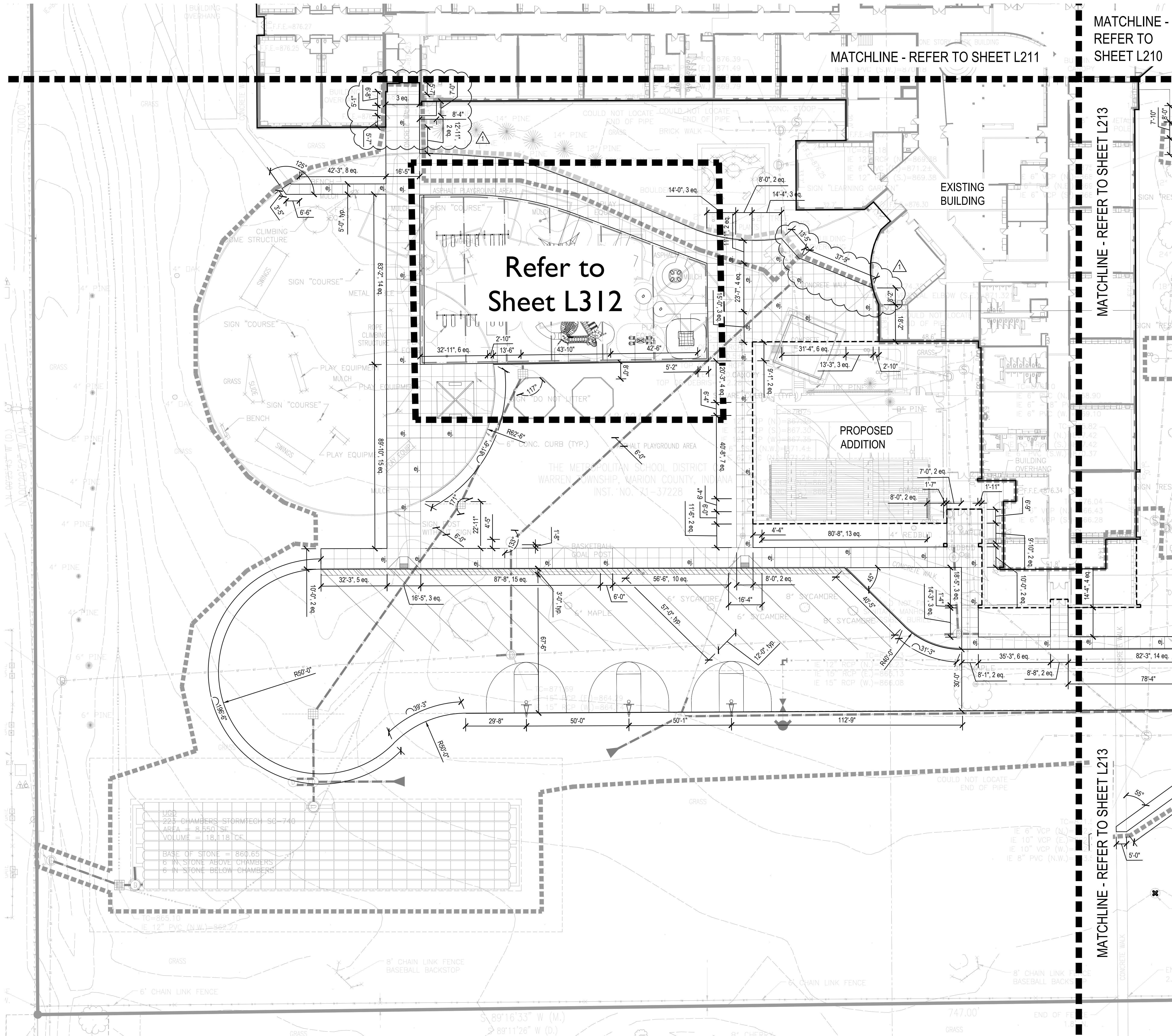
ISSUE DATE	DRAWN BY	CHECKED BY
02/26/2021	MA	CCH

DRAWING TITLE:
**LAYOUT PLAN
ENLARGEMENT**

CERTIFIED BY:
ALYSSA P. PRAJEU
REGISTERED
No. 2020-0132
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2021

DRAWING NUMBER
L211

PROJECT NUMBER
2020061



LAYOUT NOTES

1. Dimensions are shown to Face of Curb unless otherwise noted.
2. Contractor shall coordinate final joint locations in the field with the Landscape Architect. Align to existing conditions when practical, including at building and wall corners, connections to existing work, and to centerlines of doors.
3. Space control joints evenly between all bands and expansion joints as shown, unless otherwise dimensioned. Space interim joints equally whenever possible.
4. Digital AutoCAD files will be provided to the successful bidder as a courtesy to assist with field layout. The Contractor maintains all responsibility for the use, accuracy, and confirmation of such data.
5. All pavement striping shown shall adhere to Specifications. The Contractor shall include in their bid any miscellaneous copy, striping, or curb painting that may be requested by the Fire Marshal.
6. All disturbed areas not proposed to receive pavements shall be dressed with topsoil and seeded per Specifications.
7. Contractor shall provide and install One (1) Accessible Parking Space per accessible parking space indicated in plans. Coordinate final location in the field with Landscape Architect.



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PROJECT:
MSD OF WARREN TOWNSHIP
PLEASANT RUN ELEMENTARY SCHOOL
RENOVATION & ADDITION
1800 N. FRANKLIN RD. INDIANAPOLIS, IN 46219

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concepts, the dimensions of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for the performance and completion of the project. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 03-15-2021 Addendum 01

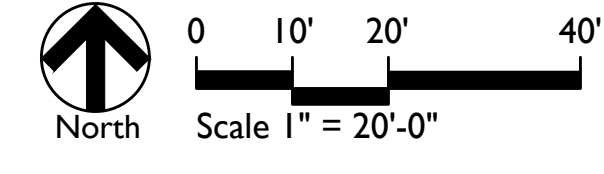
ISSUE DATE: 02/26/2021
DRAWN BY: MA
CHECKED BY: CCH

DRAWING TITLE:
LAYOUT PLAN
ENLARGEMENT

CERTIFIED BY:
ALYSSA P. PRAJAPATI
REGISTERED
No. 2020-0132
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2021

DRAWING NUMBER:
L212

PROJECT NUMBER:
2020061





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5625 Lawton Loop, E. Dr. Indianapolis, IN 46216
317-443-3800 | 317-443-3801 | www.context-design.com

PROJECT:
MSD OF WARREN TOWNSHIP
**PLEASANT RUN ELEMENTARY SCHOOL
RENOVATION & ADDITION**
1800 N. FRANKLIN RD. INDIANAPOLIS, IN 46219

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of structural, mechanical and electrical systems. The drawings are not necessarily indicative of the type or quantity of work required for the performance and completion of the project. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 03-15-2021 Addendum 01

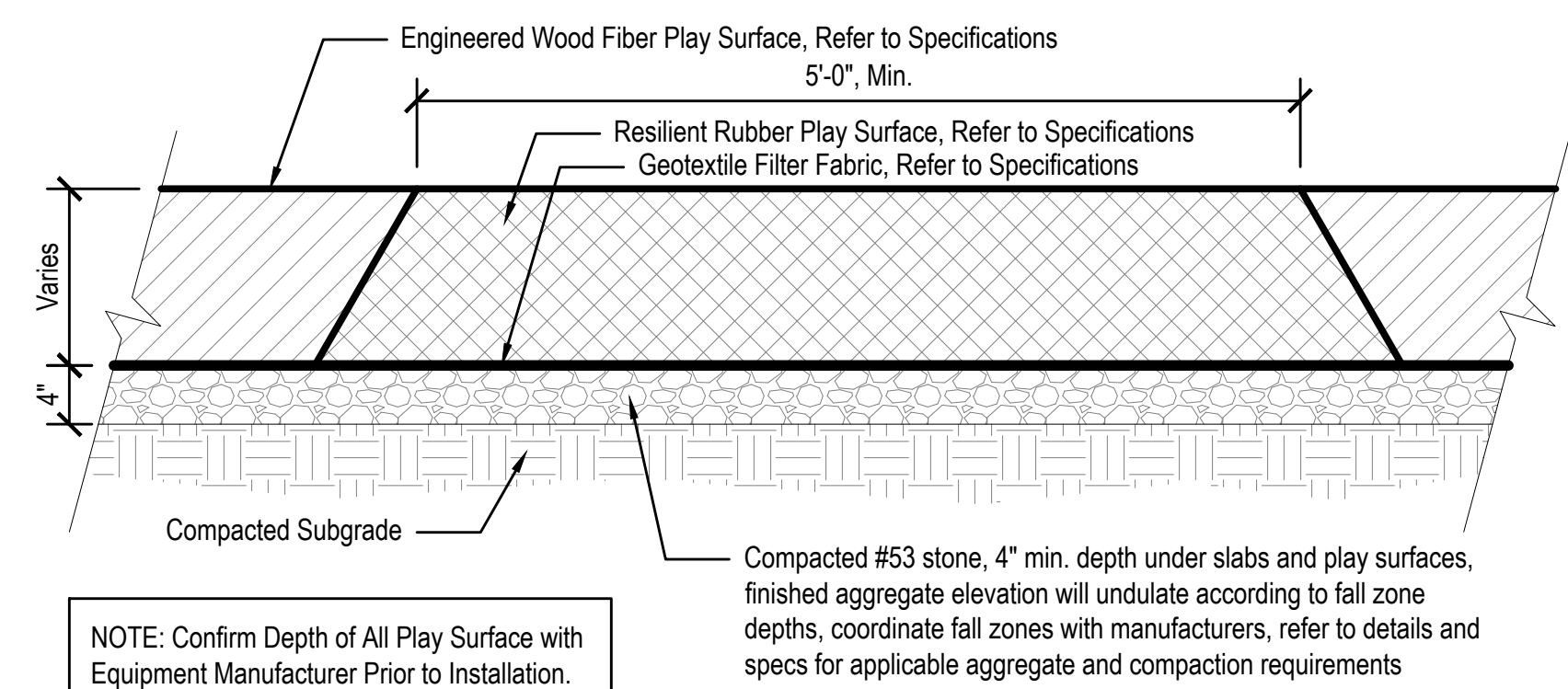
ISSUE DATE: 02/26/2021
DRAWN BY: MA
CHECKED BY: CCH

DRAWING TITLE:
SITE DETAILS

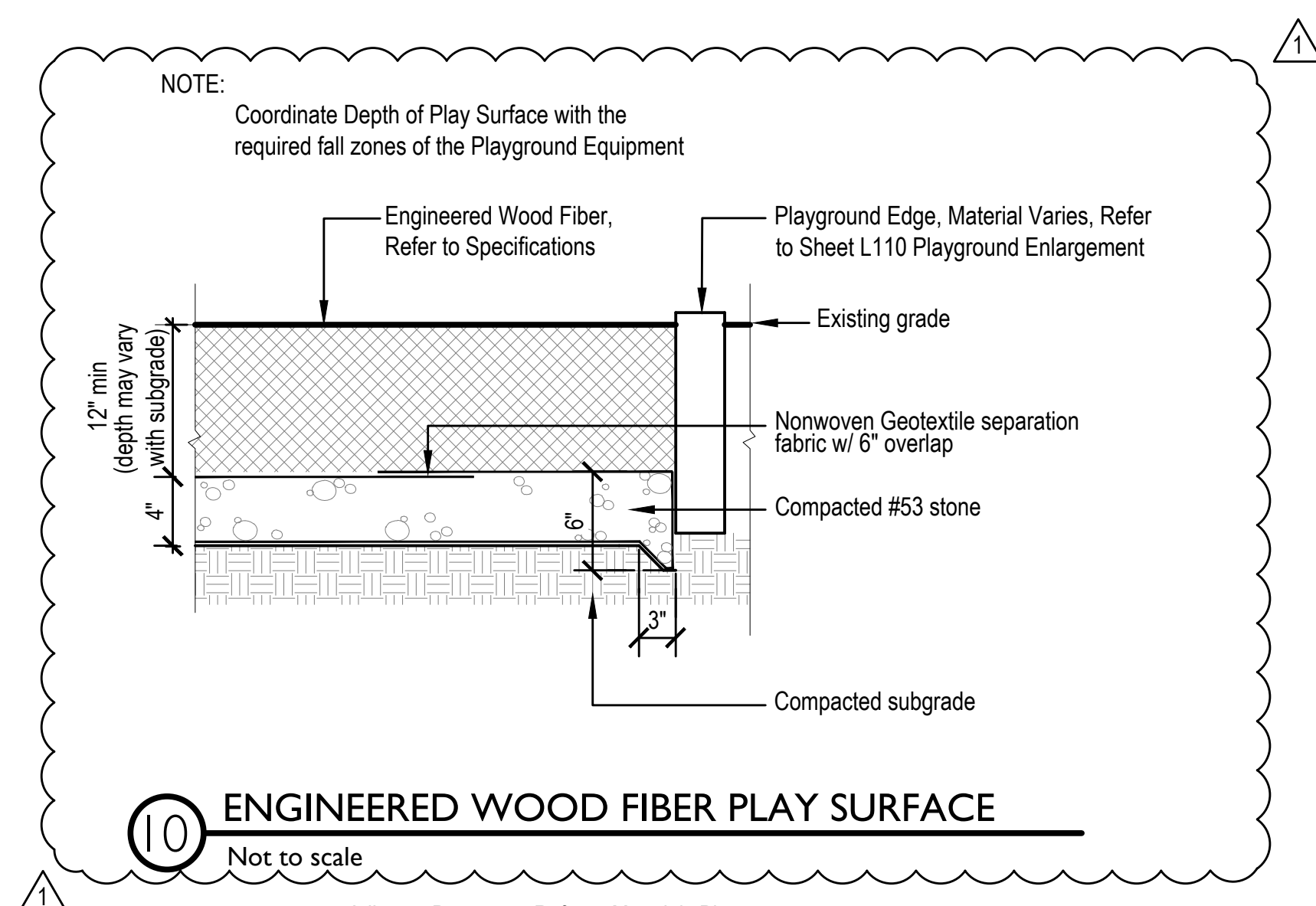
CERTIFIED BY:
ALYSSA P. PRAJAPATI
No. 2020-0132
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2021

DRAWING NUMBER
L500

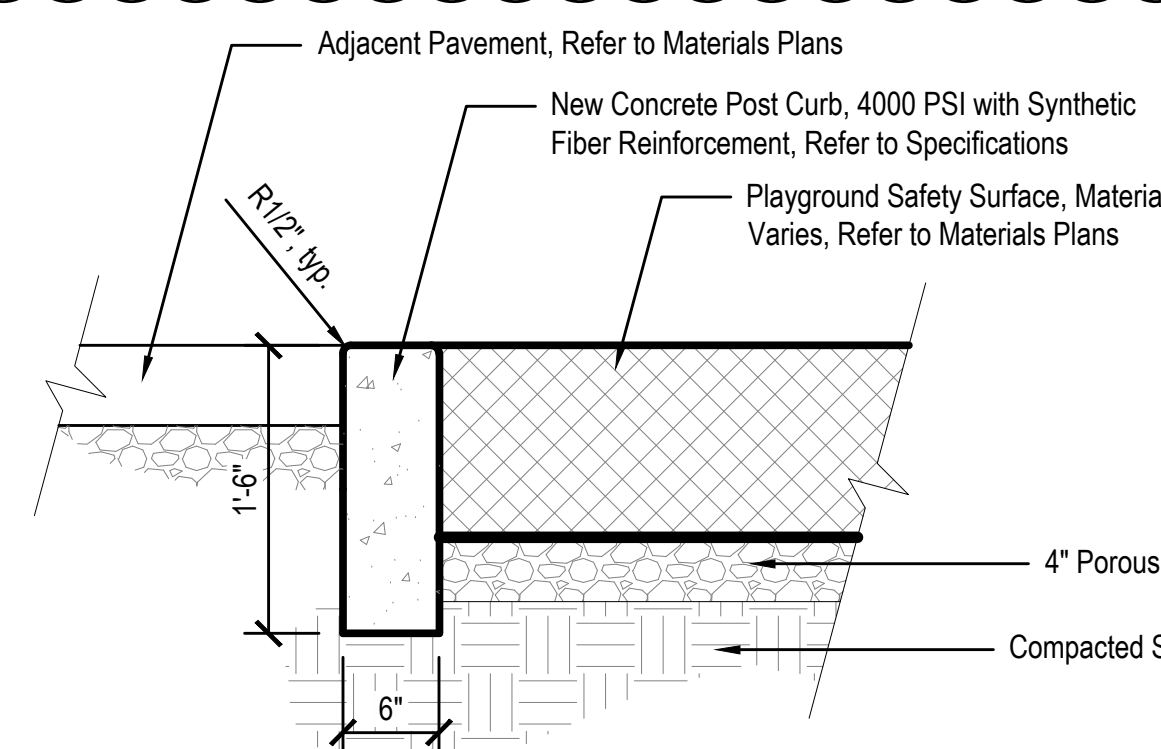
PROJECT NUMBER
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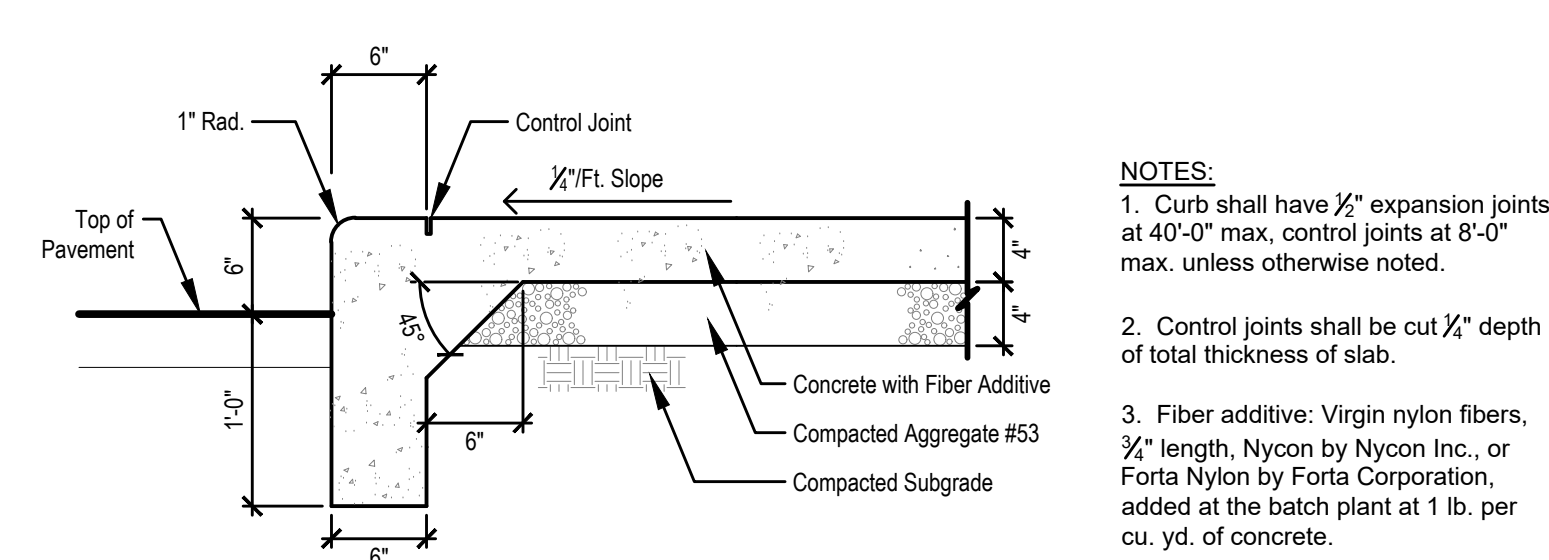
11 RESILIENT RUBBER PLAY SURFACE FOR ADA COMPLIANT ROUTES
Scale: 1" = 1'-0"



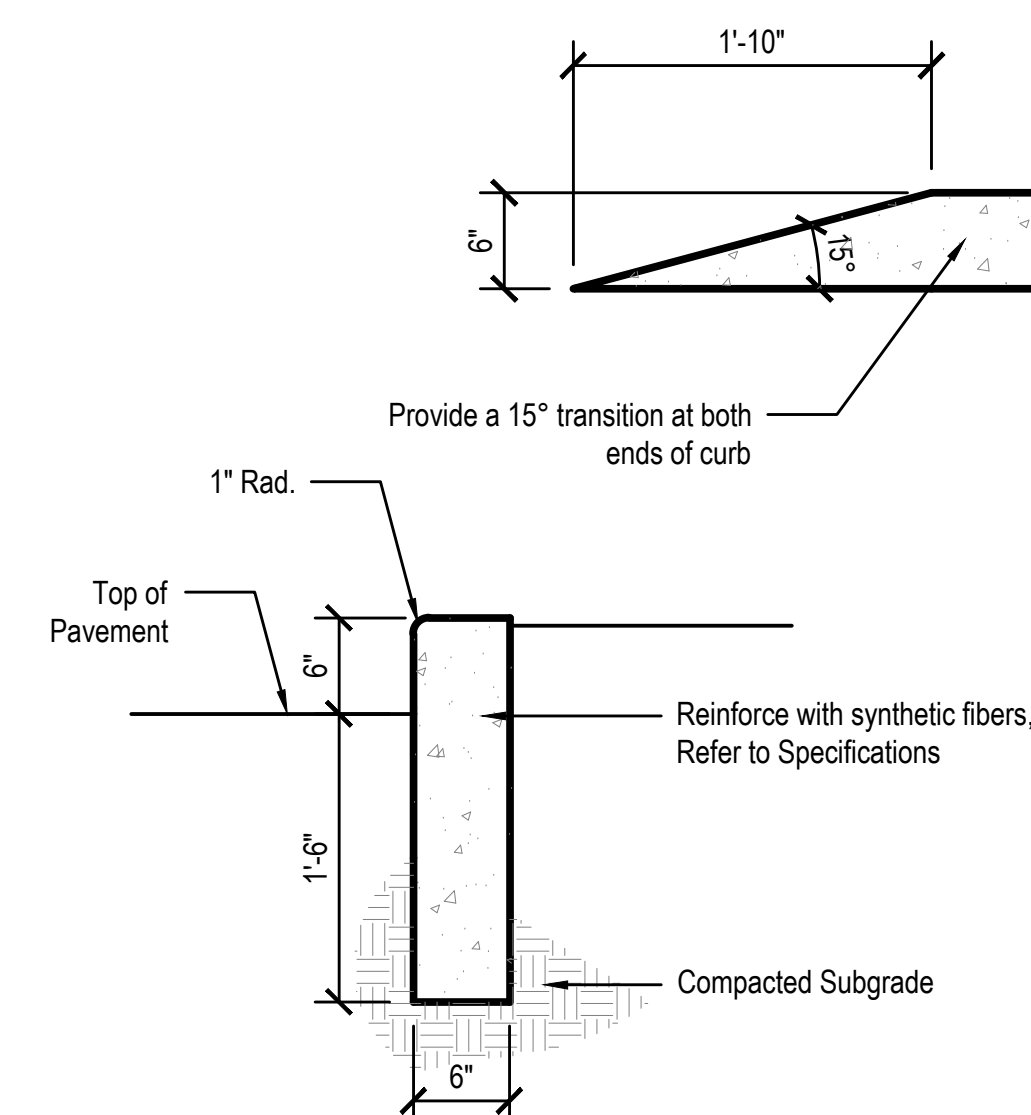
10 ENGINEERED WOOD FIBER PLAY SURFACE
Not to scale



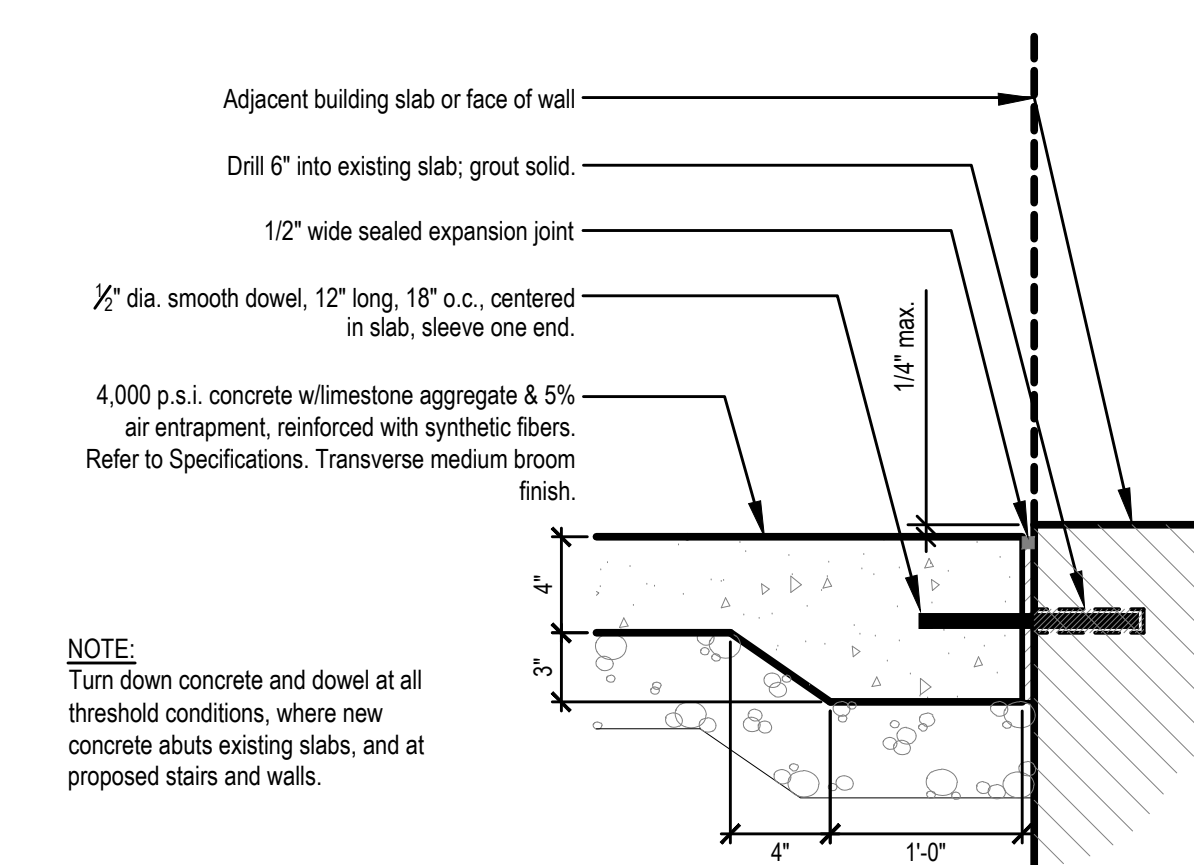
9 POST CURB AT PLAY SURFACE
Scale: 1" = 1'-0"



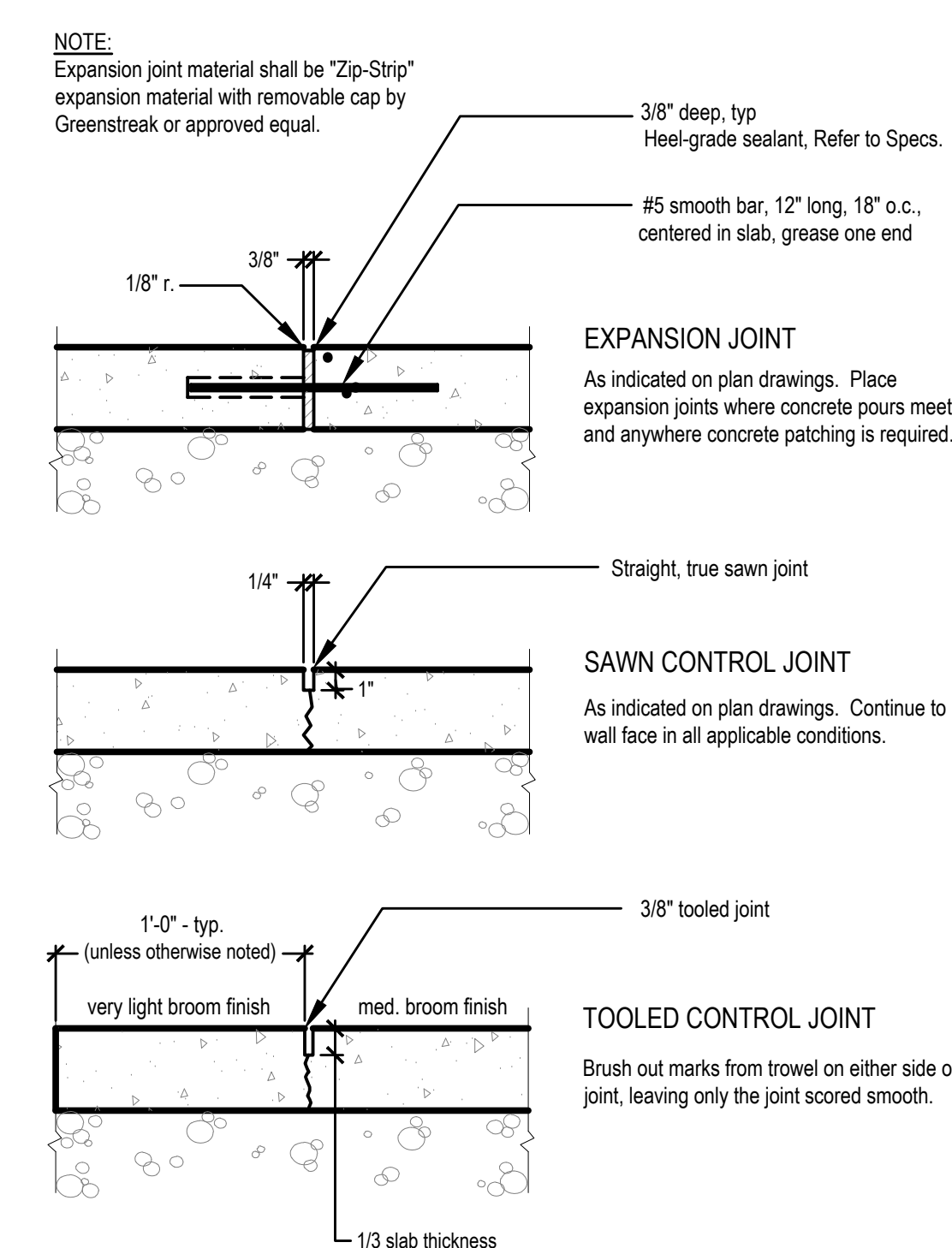
8 INTEGRAL CONCRETE CURB & WALK
Scale: 1" = 1'-0"



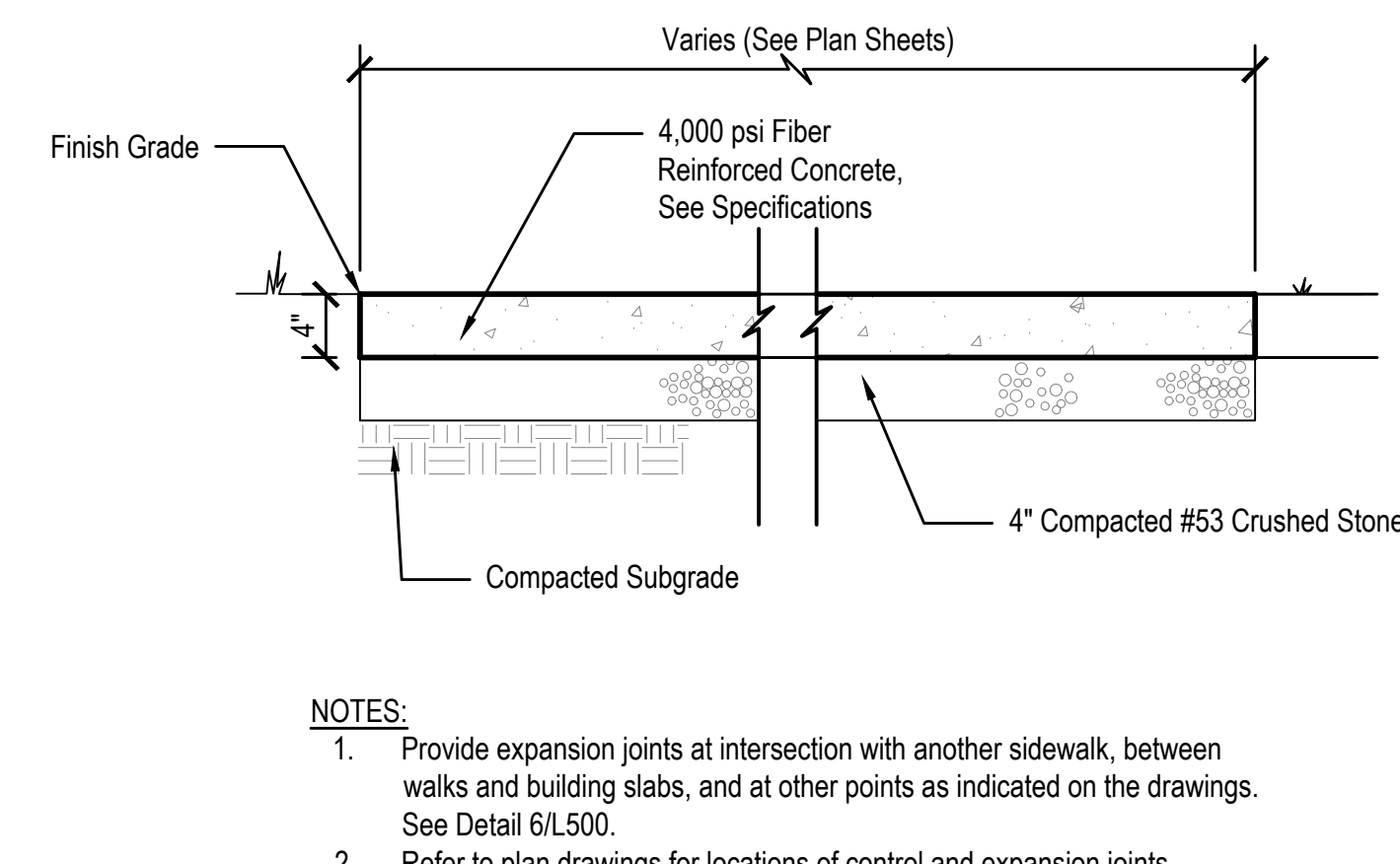
7 CONCRETE POST CURB
Scale: 1" = 1'-0"



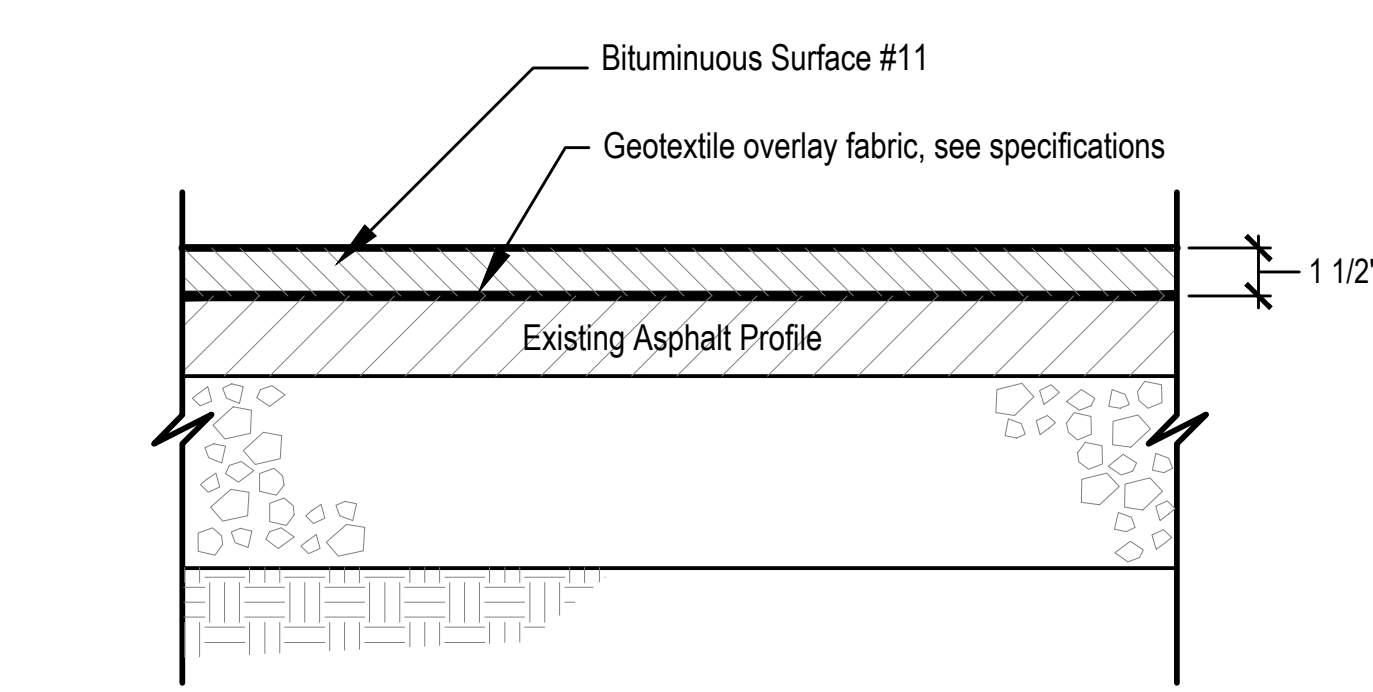
6 DOWELS IN CONCRETE AT THRESHOLD
Scale: 1" = 1'-0"



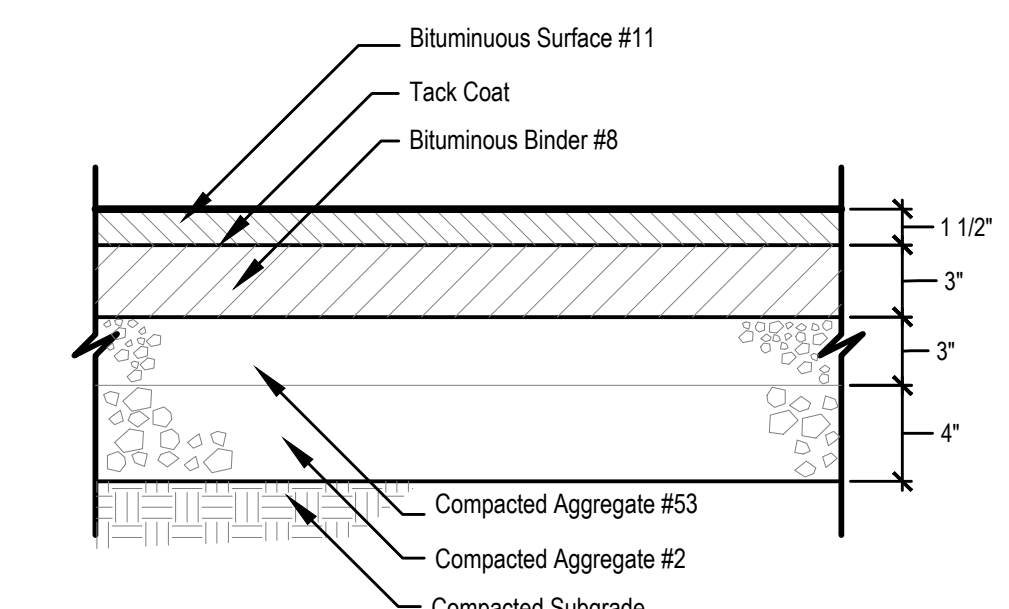
5 CONCRETE JOINTING
Not to Scale



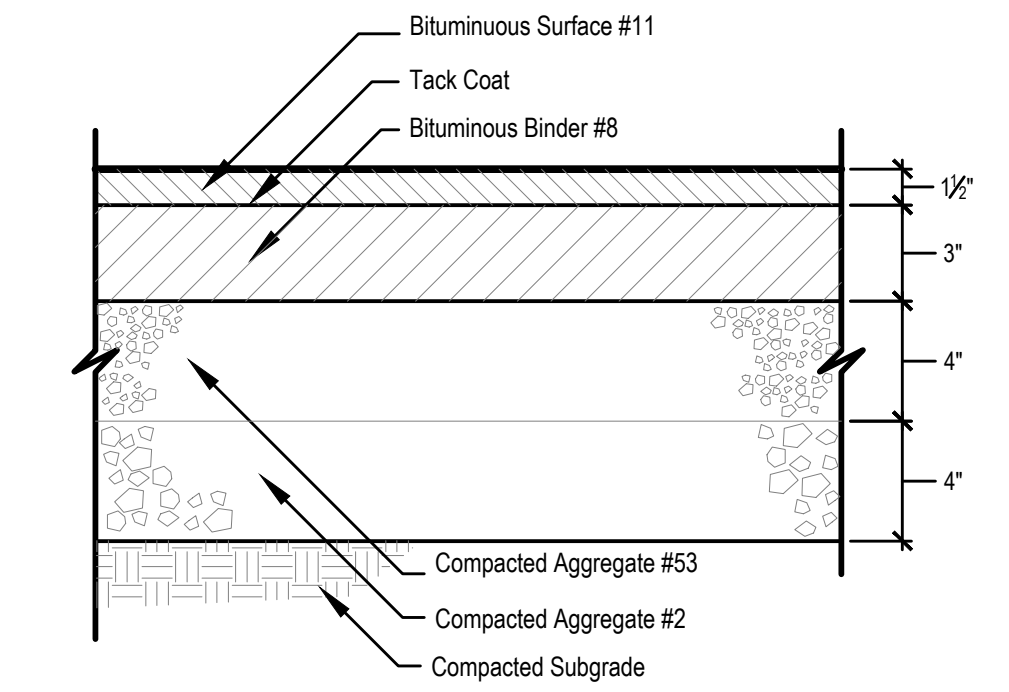
4 STANDARD CONCRETE PAVEMENT
Not to scale



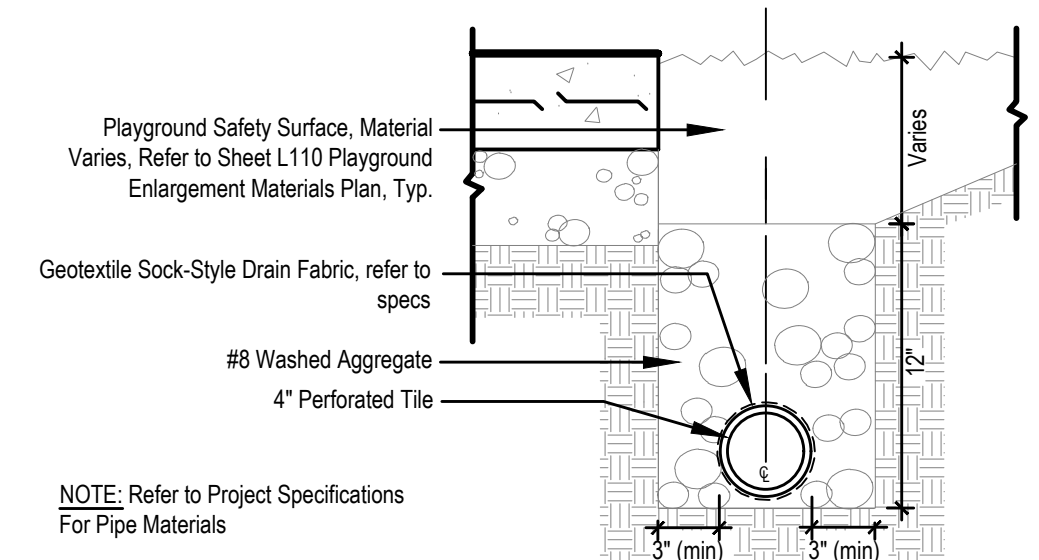
3 MILL AND RESURFACE ASPHALT PAVEMENT
Not to Scale



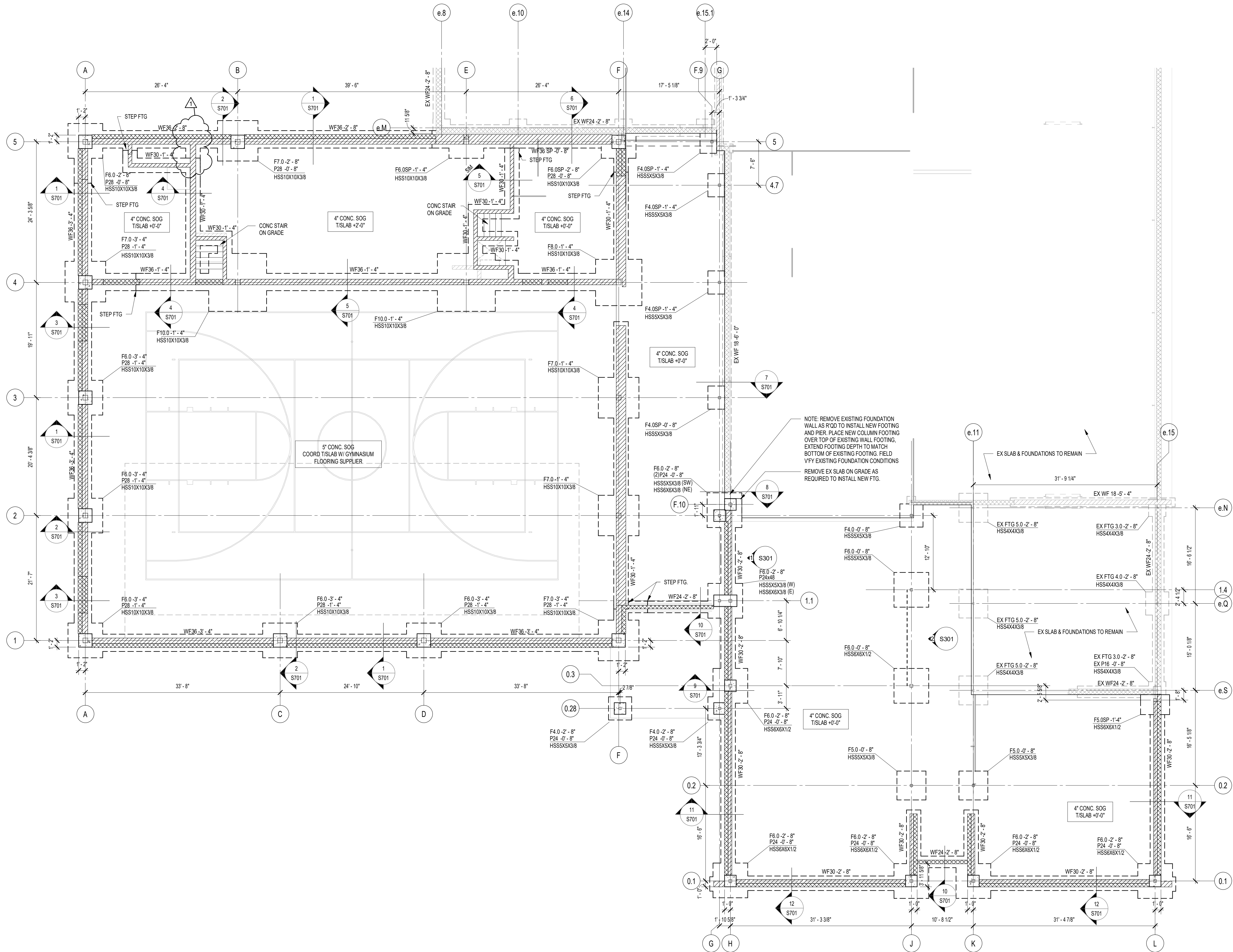
2 STANDARD ASPHALT PAVEMENT
Not to Scale



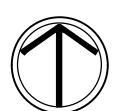
1 HEAVY-DUTY ASPHALT PAVEMENT
Not to Scale



12 PLAYGROUND UNDERDRAIN SECTION
Not to Scale



1 FOUNDATION PLAN
1/8" = 1'-0"



FOUNDATION PLAN NOTES

- REF. S001 & S002 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
- REF. THE S400 SERIES FOR TYPICAL FOUNDATION AND MASONRY DETAILS.
- ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
- ALL ELEVATIONS ARE REFERENCED FROM THE EXISTING FIRST FLOOR FIN. FLOOR ELEVATION +0'-0" (ASSUMED TO BE USGS 876.50, VERIFY ELEVATION WITH CIVIL DWGS).
- ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
- REF. ARCH. DRAWINGS. FOR ALL DIMENSIONS NOT SHOWN, CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- COORDINATE EXACT SIZE & LOCATION OF ALL MECHANICAL OPENINGS IN FDN. WALLS WITH THE MECHANICAL, ELECTRICAL & PLUMBING CONTRACTORS.
- NOTE: PERIMETER FOOTINGS SHALL BE LOWERED AND/OR SLEEVED TO PASS BELOW PLUMBING LINES (E.G. SANITARY & STORM LINES, WATER LINES, ETC.) SHOWN ON THE PLUMBING DRAWINGS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL DETAILS ON S401.
- ALL SLAB RECESSES SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS. COORDINATE DEPTHS OF ALL SLAB RECESSES WITH THE ARCHITECTURAL DRAWINGS AND/OR THE FLOORING SUPPLIER.
- PROVIDE CMU REINFORCING AS NOTED ON PLANS & SECTIONS. IF NOT SHOWN ELSEWHERE, MINIMUM CMU WALL REINFORCING TO BE AS FOLLOWS: 8" CMU: #5 VERTS @ 48" OC, 12" CMU: #6 VERTS @ 32" OC. PROVIDE OPEN-CORE BOND BEAMS AT TOPS OF WALLS. AT CHANGES IN CMU THICKNESS, AND WHERE INDICATED ON PLANS & SECTIONS 10" OC MAX VERTICAL SPACING. PROVIDE 1/2 OF INTERRUPTED VERTICALS AT JAMBS OF OPENINGS AND PROVIDE ADDITIONAL VERTS. AT ENDS OF WALLS.
- COORDINATE REINFORCING DOWELS FOR CMU VERTICAL REINFORCING WITH REIN. NOTED ON PLANS & SECTIONS.
- GROUT ALL CORES OF CMU SOLID BELOW FIN. FLOOR ELEVATION.
- PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. SEE S401 FOR THICKENED SLAB DETAIL. REF. THE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CMU WALLS.
- ALL FOOTINGS SHALL BEAR ON APPROVED SOIL. UNDERCUT AS REQD. TO SUITABLE BEARING MATERIAL AS DETERMINED BY THE GEOTECHNICAL TESTING AGENCY. REF. TYPICAL FOOTING UNDERCUT DETAILS ON S402.
- PROVIDE CONTROL CONTRACTION JOINTS IN SLABS ON GRADE. REF. TYPICAL DETAILS ON S401. ALL JOINTS IN SLABS TO RECEIVE THIN OR THICK-SET TERRAZZO, CERAMIC OR PORCELAIN TILE, VINYL-COMPOSITION TILE (VCT) OR VINYL SHEET GOODS, EPOXY OR SIMILAR THIN-FILM FINISH FLOORING SHALL BE CAREFULLY COORDINATED WITH THE FLOORING CONTRACTOR. THE CONTRACTOR SHALL SUBMIT SLAB JOINT LAYOUT TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO PLACING SLABS.
- EARTH-FORMED FOOTINGS ARE ACCEPTABLE WHERE SOIL CONDITIONS PERMIT (I.E. WHERE THE BANKS OF THE EXCAVATION WILL HOLD WITHOUT CAVING AND SLOUGHING). HOWEVER, THE PLAN DIMENSION OF EARTH-FORMED FOOTINGS MUST BE INCREASED BY 2" ALONG ALL EDGES TO ACCOUNT FOR INACCURACIES ASSOCIATED WITH EARTH-FORMING (I.E. 2'-0" WIDE WALL FOOTINGS SHALL BE 2'-4" WIDE AND 5'-0" SQUARE COLUMN FOOTINGS SHALL BE 5'-4" SQUARE).
- REF. ARCHITECTURAL DWGS. FOR MASONRY CONTROL & EXPANSION JOINT LOCATIONS.
- PLAN LEGEND:

- | | |
|----------------------------|--|
| FF | DENOTES FIN. FLOOR |
| FTX | DENOTES TOP OF FTG. SLAB, PIER, ETC. |
| B/C | DENOTES BOTTOM OF FTG. GRADE BEAM, ETC. |
| CJ | DENOTES SLAB ON GRADE |
| WF24 -2'-8" | CONTROL CONTRACTION JOINT
DENOTES WALL FOOTING MARK & TOP OF FOOTING ELEVATION (REF. WALL FTG. SCHEDULE) |
| --- | DENOTES WALL FOOTING WITH STEPS.
REF. TYP. DETAIL ON S401 |
| | DENOTES CMU FOUNDATION WALL |
| | DENOTES CMU FDN. WALL HELD DOWN AT OPENINGS |
| --- | DENOTES THICKENED SLAB UNDER INTERIOR NON-LOAD BEARING CMU WALLS |
| 4" CONC. SOG TISLAB +0'-0" | DENOTES SLAB ON GRADE THICKNESS & TISLAB ELEVATION. ALL SLABS ON GRADE TO BE PLACED ON 6" MIN. COMPACTED GRANULAR FILL & VAPOR BARRIER/RETARDER PER SPEC. PROVIDE THE FOLLOWING WELDED WIRE FABRIC REINFORCING:
4" SLAB: 6x6-W1.4W1.1 WWF
5" SLAB: 6x6-W2.1W2.1 WWF
6" SLAB: 6x6-W2.3W2.3 WWF |

- | | |
|--|--|
| FTG. 3'-0" x 3'-0" P24 -0'-8" HSS60X60 | DENOTES COLUMN FOOTING MARK & TOP OF FTG. ELEVATION (SEE COL. FTG. SCHED. ON S002) |
| FTG. 3'-0" x 3'-0" P24 -0'-8" HSS60X60 | DENOTES PIER MARK & TOP OF PIER ELEVATION (SEE PIER SCHED. ON S002) |
| COL. 3'-0" x 3'-0" HSS60X60 | DENOTES COLUMN SIZE. REF. FRAMING PLANS FOR SUB COLS. NOT SHOWN ON FDN. PLAN |
- ADJUST THICKNESS OF FOOTINGS MARKED "SP" ON PLAN SO THAT BOTTOM OF FOOTING MATCHES BOTTOM OF EXISTING ADJACENT FOOTING. REF. DETAIL Z25401



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550 Virginia Avenue
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PROJECT: MSD OF WARREN TOWNSHIP
PLEASANT RUN ELEMENTARY SCHOOL RENOVATION & ADDITION
1800 N. FRANKLIN RD., INDIANAPOLIS, IN 46219

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concepts, the dimensions of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.
On the basis of the general scope indicated on drawings, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 ADDENDUM 1 3/15/21

ISSUE DATE: 02/26/2021
DRAWN BY: JAW
CHECKED BY: MDL

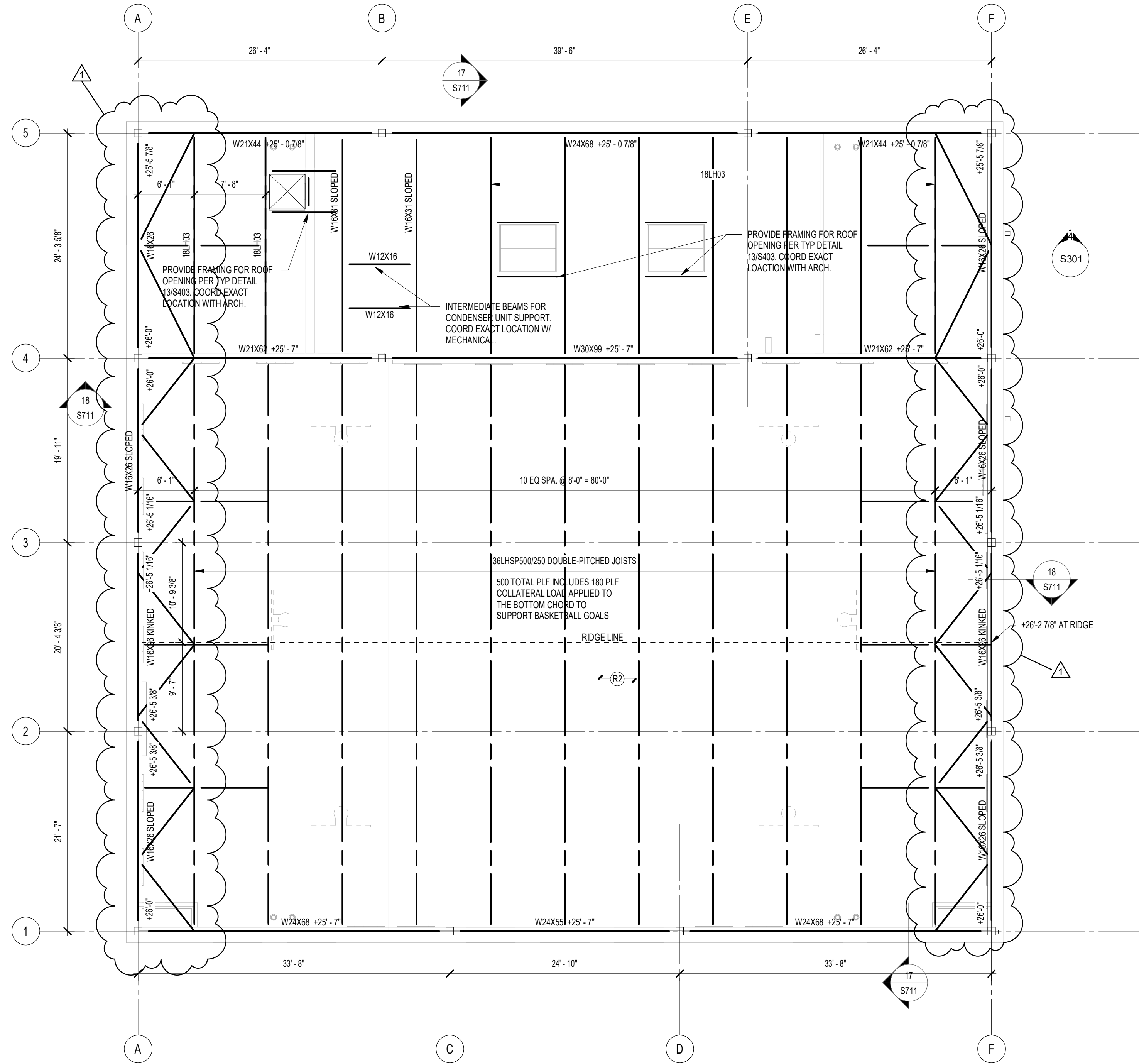
DRAWING TITLE:
FOUNDATION PLAN

CERTIFIED BY:
MARK D. LAYMAN
REGISTERED PROFESSIONAL ENGINEER
PE19400114
STATE OF INDIANA
MDL

DRAWING NUMBER:
S101

PROJECT NUMBER:
2020061

PROJECT NUMBER
2020061

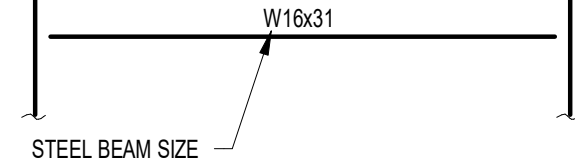


1 NEW GYM ROOF FRAMING
1/8" = 1'-0"



FRAMING PLAN NOTES

- REF. S001 & S002 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
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- ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FIN. FLOOR ELEVATION +0'-0" (USGS 818.50). VERIFY ELEVATION WITH CIVIL DWGS.
- ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
- REF. ARCH. DRAWINGS. FOR ALL DIMENSIONS NOT SHOWN, CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- COORDINATE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE MEP CONTRACTOR(S). LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLES, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
- ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL BEAM UNLESS NOTED OTHERWISE.
- PROVIDE CHANNEL FRAMES AT ALL SUPPORTED SLAB OPENINGS PER TYPICAL DETAIL T15404. COORDINATE EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DRAWINGS.
- PROVIDE FRAMES AT ALL ROOF DRAINS, ROOF HATCHES & OTHER ROOF OPENINGS PER TYPICAL DETAILS ON S404. COORD. EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DWGS.
- PROVIDE CMU REINFORCING AS NOTED ON PLANS. IF NOT SHOWN ON PLANS, MINIMUM CMU WALL REINFORCING TO BE #4 VERTS @ 48" O.C. PROVIDE OPEN-CORE BOND BEAMS AT TOPS OF WALLS. AT CHANGES IN CMU THICKNESS, AND WHERE INDICATED ON PLANS & SECTIONS (10'-0" O.C. MAX. VERTICAL SPACING). PROVIDE 12 OF INTERRUPTED VERTICALS AT JAMBS OF OPENINGS AND PROVIDE ADDITIONAL VERTS. AT ENDS OF WALLS.
- ALL MASONRY BOND BEAMS, OTHER THAN BOND BEAM LINTELS OVER OPENINGS, SHALL BE "OPEN-CORE" BOND BEAMS TO ALLOW VERTICAL REINFORCING TO PASS THROUGH, UNLESS NOTED OTHERWISE.
- REF. ARCH. DWGS. FOR MASONRY CONTROL, & EXPANSION JOINT LOCATIONS.
- ALL HORIZONTAL AND DIAGONAL BRIDGING FOR STEEL JOISTS SHALL BE DESIGNED, LOCATED & PROVIDED BY THE JOIST SUPPLIER PER SJI SPECIFICATIONS.
- FOR ESTIMATING AND BIDDING PURPOSES ONLY, ASSUME AN ADDITIONAL 12" THICKNESS OF CONCRETE WILL BE NECESSARY FOR ALL ELEVATED SLABS ON METAL DECK. THE INTENT OF THIS REQUIREMENT IS TO ACCOUNT FOR ANTICIPATED DEAD LOAD DEFLECTIONS IN THE SUPPORTING STRUCTURE. THE FINISHED SLAB SHALL MEET THE FLATNESS REQUIREMENTS DEFINED IN THE SPECIFICATION.
- PLAN LEGEND:
 - FF DENOTES FIN. FLOOR
 - TTX DENOTES TOP OF STEEL SLAB, ETC.
 - BXX DENOTES BOTTOM OF LINTEL, ETC.
 - SE DENOTES SLAB EDGE DIMENSION MEASURED FROM BEAM OR COLUMN CENTERLINE
 - DE DENOTES DECK EDGE ANGLE DIMENSION MEASURED FROM BEAM OR COLUMN CENTERLINE
 - F DENOTES 1 1/2" 20 GA. GALVANIZED COMPOSITE DECK w/ 3 1/2" MIN. CONG. SLAB w/ 6#6-W2.1W/W2.1 W/W. TOTAL 1'-5". REF. DETAIL S5403.
 - R2 DENOTES 2" 20 GA. GALV. & PRIME-PAINTED ACOUSTICAL DOVETAIL ROOF DECK. REF. DETAIL 11S403.
 - BEAM-THRU-BEAM MOMENT CONNECTION. REF. DETAILS ON S403.
 - BRACED FRAME OR KICKER LOCATION
 - APPROX. LOCATION OF OPENING IN DECK/SLAB. REF. DETAILS ON S403 FOR TYPICAL OPENING FRAMES.
- WIDE-FLANGE BEAM & GIRDER NOTATION:
 - REF. THE STEEL CONNECTION NOTES ON S001 FOR DESIGN OF CONNECTIONS AT BEAMS & GIRDERS WITH NO REACTION SHOWN. THE MIN. SHEAR CONNECTION DESIGN LOAD SHALL BE 15 KIPS.



TYPICAL BEAM DIAGRAM



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On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

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1 ADDENDUM 1 3/15/21

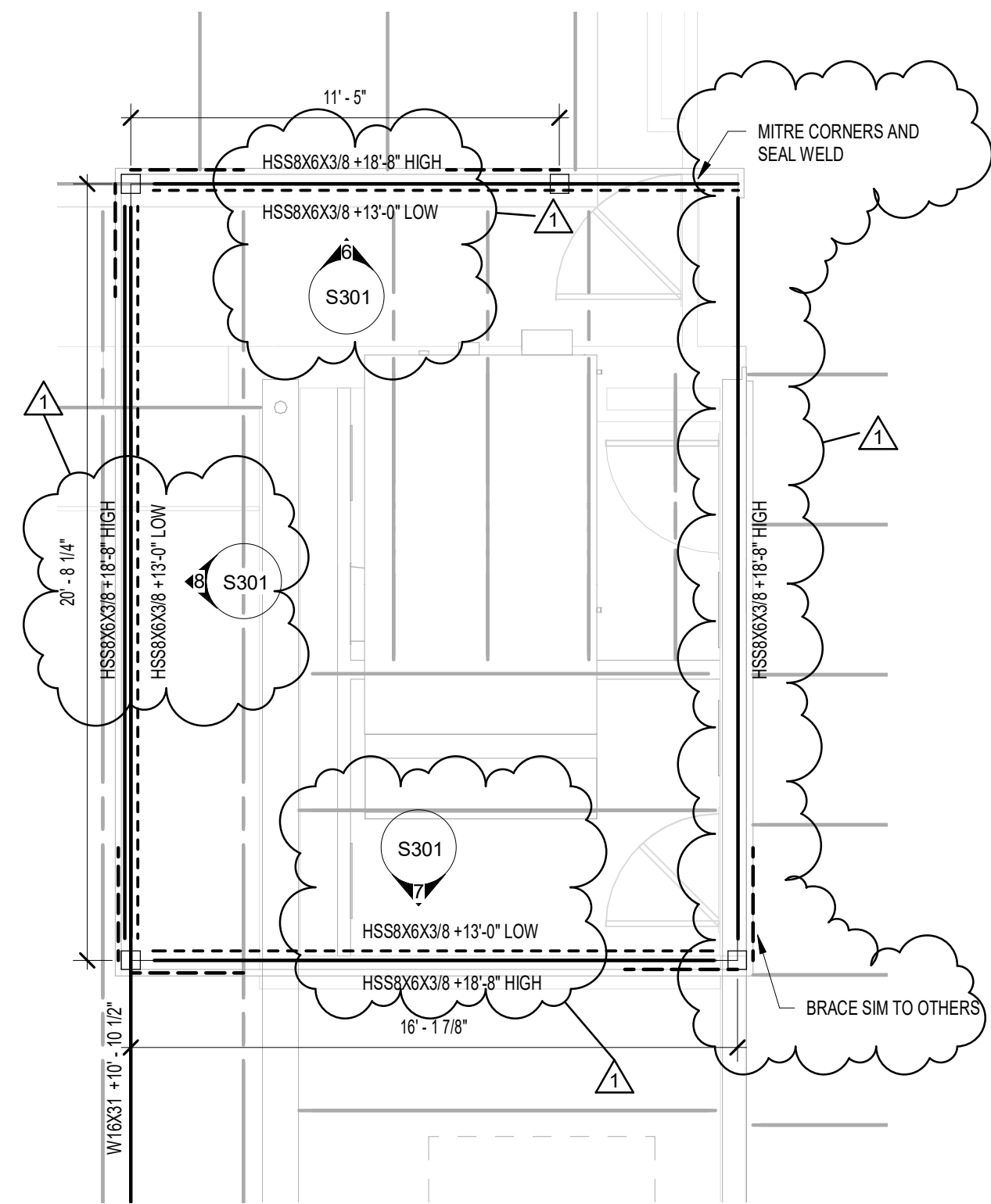
ISSUE DATE 02/26/2021
DRAWN BY JAW
CHECKED BY MDL

DRAWING TITLE:
GYM ROOF
FRAMING PLAN

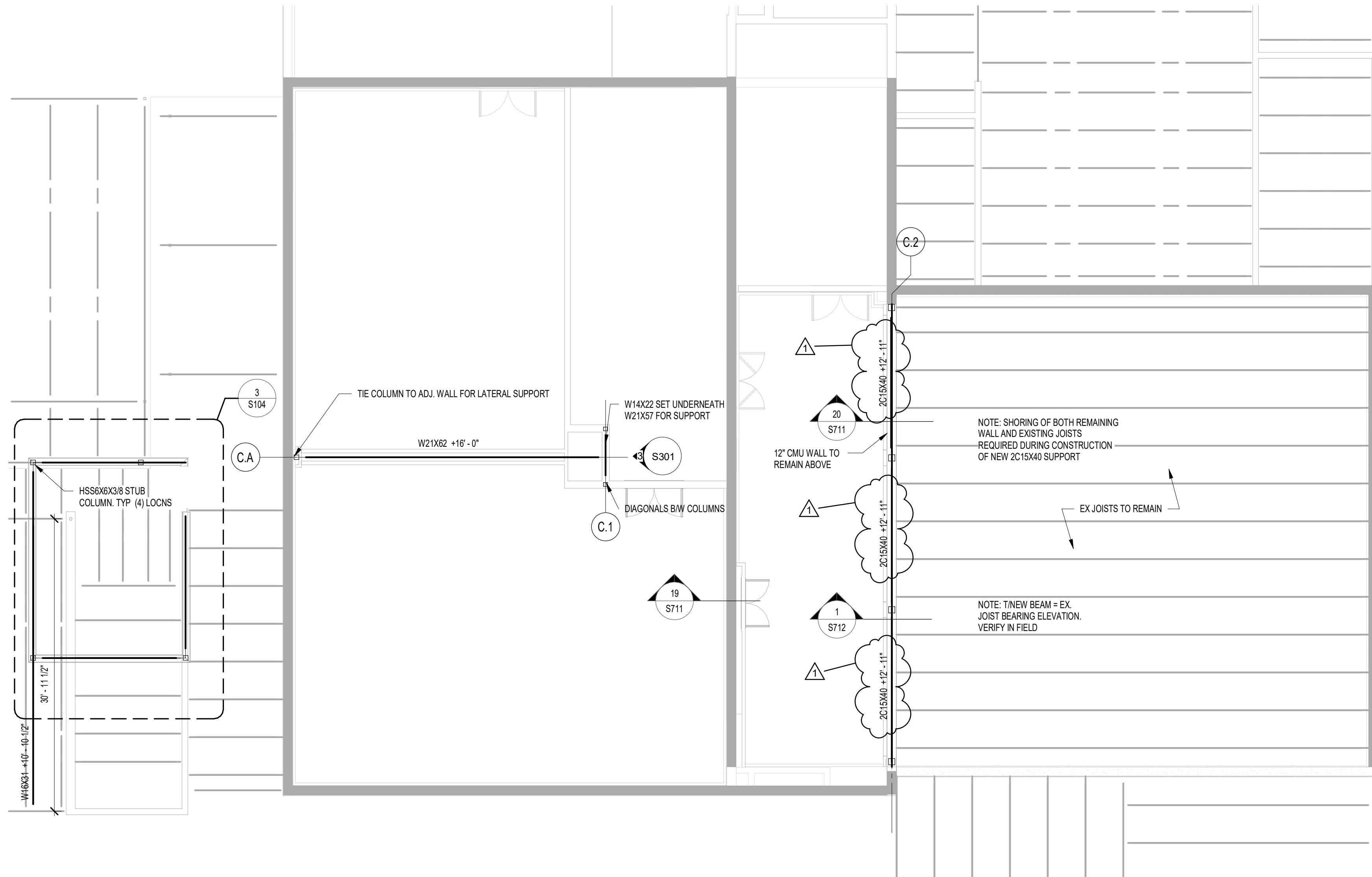
CERTIFIED BY:
MARK D. LAYMAN
REGISTERED PROFESSIONAL ENGINEER
PE19400114
STATE OF INDIANA

DRAWING NUMBER
S103

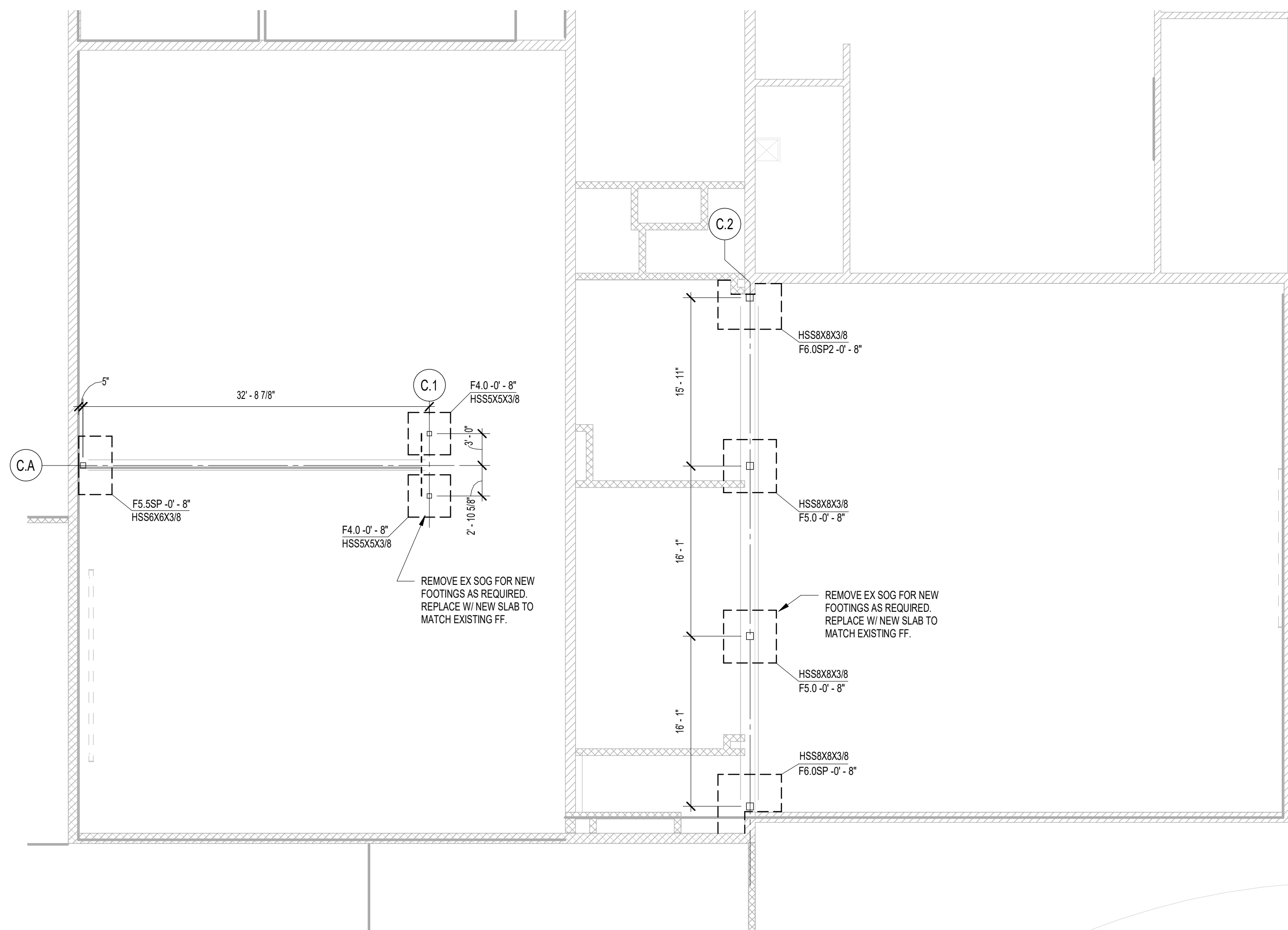
PROJECT NUMBER
2020061



3 CAFE AREA FRAMING PLAN - CALLOUT
1/4" = 1'-0"



2 CAFE NEW FRAMING PLAN
1/8" = 1'-0"



1 CAFE FOUNDATION PLAN
1/8" = 1'-0"

FRAMING PLAN NOTES

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- COORDINATE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE MEP CONTRACTOR(S). LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLES, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
- ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL BEAM UNLESS NOTED OTHERWISE.
- PROVIDE CHANNEL FRAMES AT ALL SUPPORTED SLAB OPENINGS PER TYPICAL DETAIL 73404. COORDINATE EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DRAWINGS.
- PROVIDE FRAMES AT ALL ROOF DRAINS, ROOF HATCHES & OTHER ROOF OPENINGS PER TYPICAL DETAILS ON S404. COORD. EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DWGS.
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- ALL MASONRY BOND BEAMS, OTHER THAN BOND BEAM UNITS OVER OPENINGS, SHALL BE "OPEN-CORE" BOND BEAMS TO ALLOW VERTICAL REINFORCING TO PASS THROUGH. UNLESS NOTED OTHERWISE.
- REF. ARCH. DWGS. FOR MASONRY CONTROL & EXPANSION JOINT LOCATIONS.
- ALL HORIZONTAL AND DIAGONAL BRIDGING FOR STEEL JOISTS SHALL BE DESIGNED, LOCATED & PROVIDED BY THE JOIST SUPPLIER PER SJI SPECIFICATIONS.
- FOR ESTIMATING AND BIDDING PURPOSES ONLY, ASSUME AN ADDITIONAL 1/2" THICKNESS OF CONCRETE WILL BE NECESSARY FOR ALL ELEVATED SLABS ON METAL DECK. THE INTENT OF THIS REQUIREMENT IS TO ACCOUNT FOR ANTICIPATED DEAD LOAD DEFLECTIONS IN THE SUPPORTING STRUCTURE. THE FINISHED SLAB SHALL MEET THE FLATNESS REQUIREMENTS DEFINED IN THE SPECIFICATION.
- PLAN LEGEND:

- FF DENOTES FIN. FLOOR
T/X DENOTES TOP OF STEEL SLAB, ETC.
B/X DENOTES BOTTOM OF UNITS, ETC.
SE DENOTES SLAB EDGE DIMENSION MEASURED FROM BEAM OR COLUMN CENTERLINE
DE DENOTES DECK EDGE ANGLE DIMENSION MEASURED FROM BEAM OR COLUMN CENTERLINE
- FF DENOTES FIN. FLOOR
T/X DENOTES TOP OF STEEL SLAB, ETC.
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TYPICAL BEAM DIAGRAM

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B/X DENOTES BOTTOM OF FTG. GRADE BEAM, ETC.
CJ DENOTES SLAB ON GRADE CONTROL/CONTRACTION JOINT
WF24 DENOTES WALL FOOTING MARK & TOP OF FOOTING ELEVATION (REF. WALL FTG SCHEDULE)
DENOTES WALL FOOTING WITH STEPS. REF. TYP. DETAIL ON S401
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1 ADDENDUM 1 3/15/21

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DRAWN BY JAW
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FOUNDATION
AND FRAMING
PLANS

CERTIFIED BY:
MARK D. LAYMAN
REGISTERED PROFESSIONAL ENGINEER
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**PLEASANT RUN ELEMENTARY SCHOOL
RENOVATION & ADDITION**
1800 N. FRANKLIN RD., INDIANAPOLIS, IN 46219

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concepts, the dimensions of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 ADDENDUM 1 3/15/21

ISSUE DATE 02/26/2021
DRAWN BY JAW
CHECKED BY MDL

DRAWING TITLE:
**BRACED FRAME
ELEVATIONS**

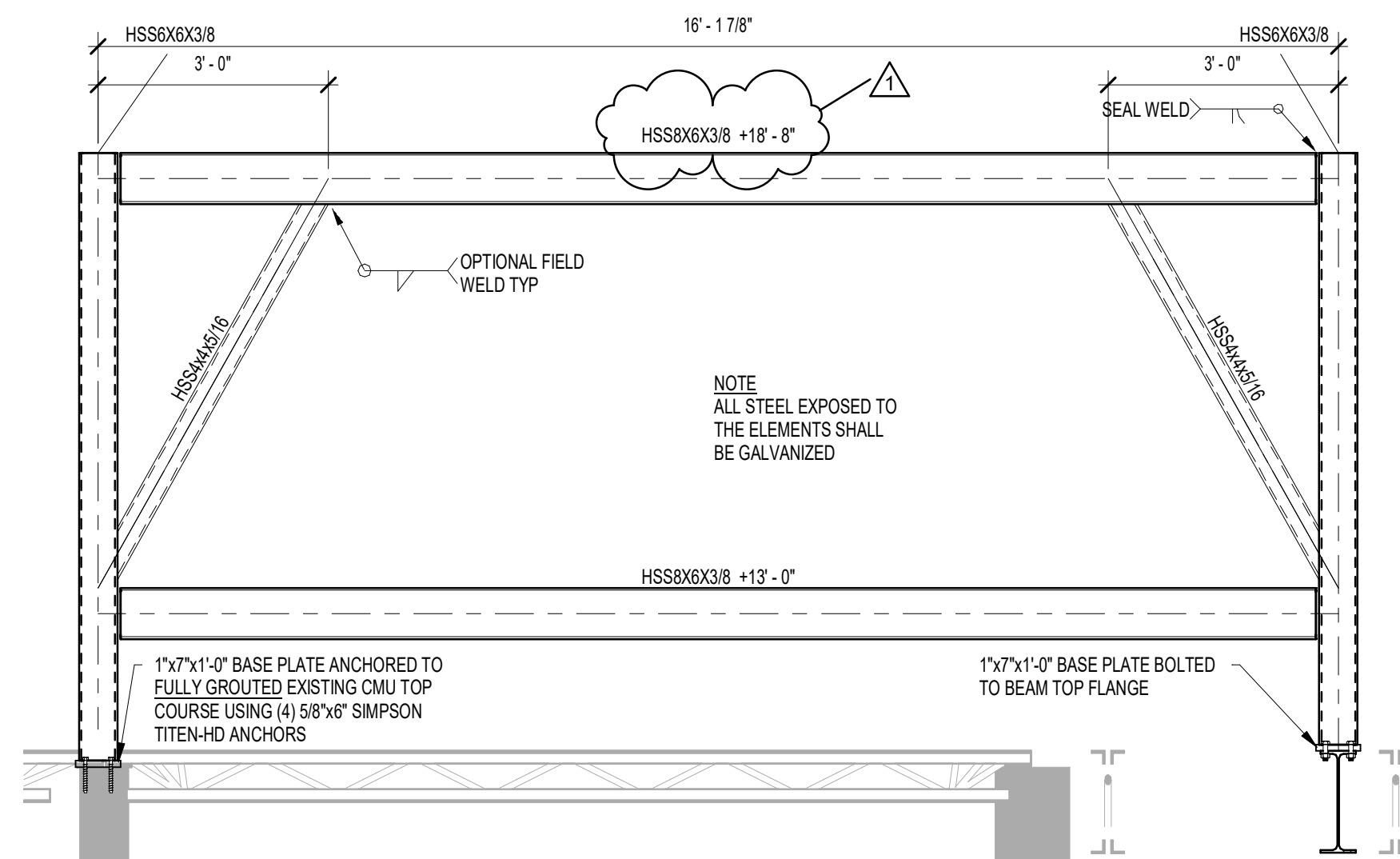
CERTIFIED BY:
MARK D. LAYLER
REGISTERED PROFESSIONAL ENGINEER
PE19400114
STATE OF INDIANA
MDL

DRAWING NUMBER
S301

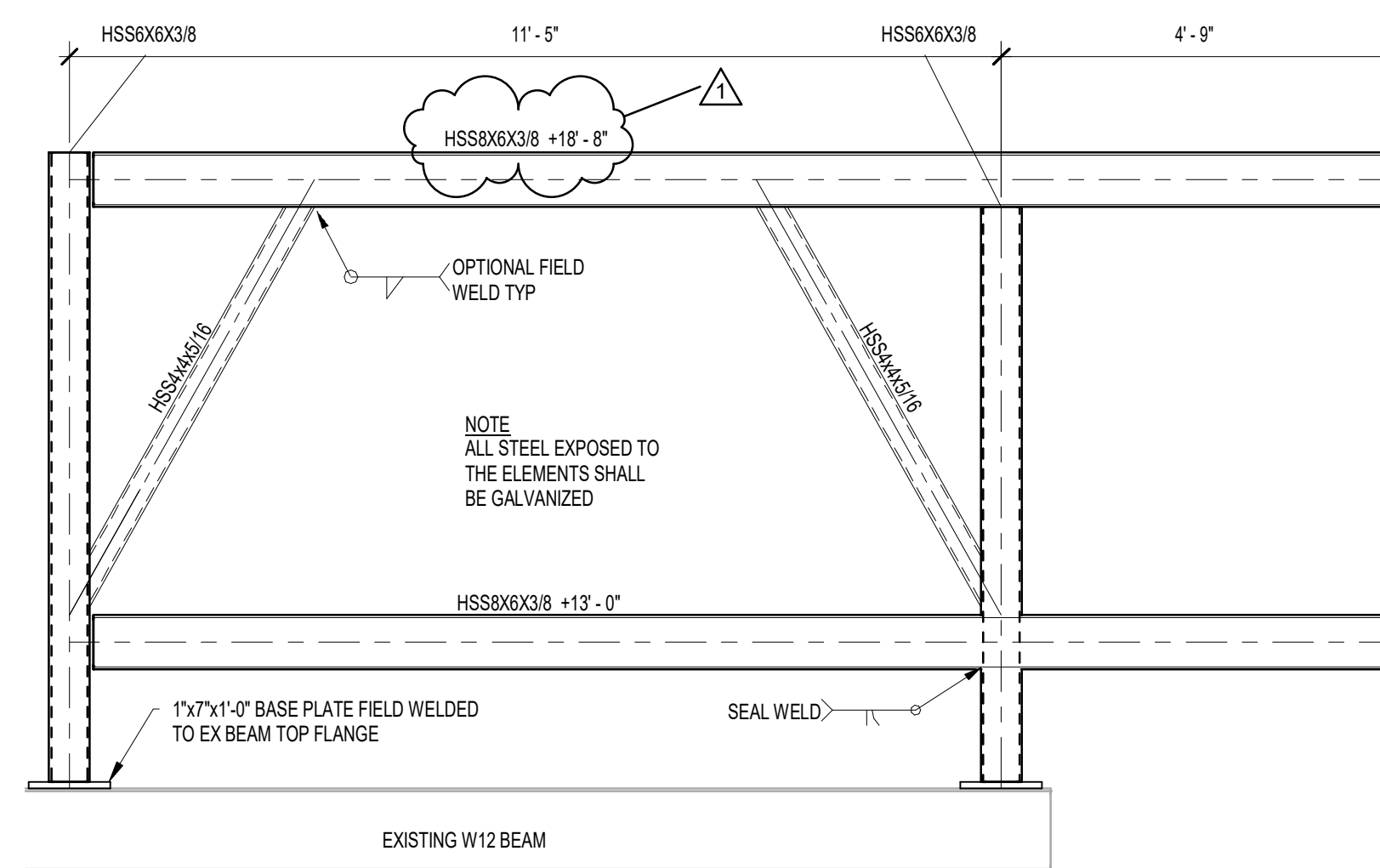
PROJECT NUMBER
2020061

BRACING NOTES

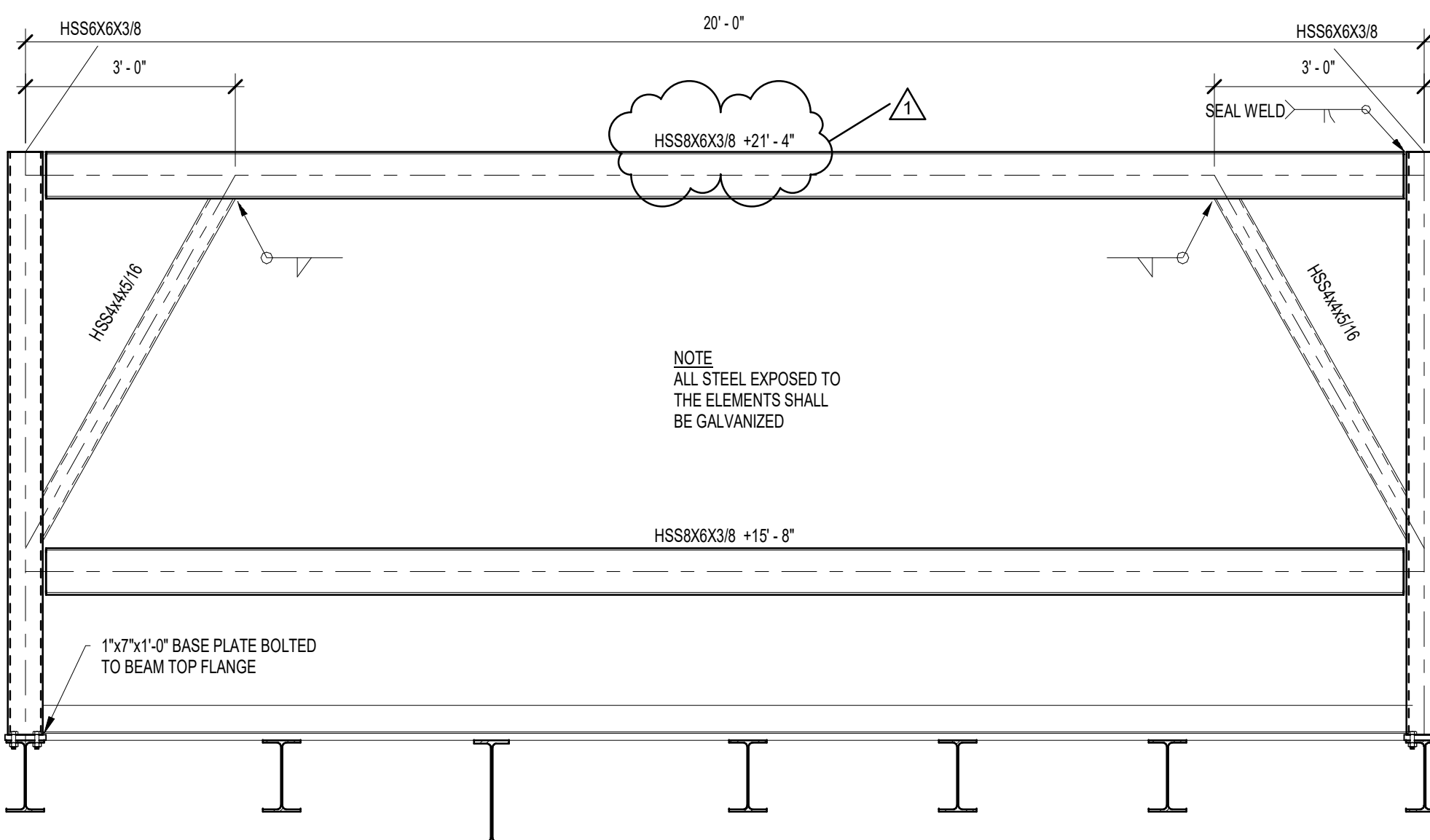
- ALL BRACING MEMBER WORKING POINTS SHALL BE LOCATED AT THE INTERSECTIONS OF MEMBER NEUTRAL AXES AND/OR AT BEAM MID-SPAN, UNLESS NOTED OTHERWISE.
- ALL GUSSET PLATE CONNECTION MATERIAL SHALL BE ASTM A36 STEEL WITH A MINIMUM THICKNESS OF 1/2".
- PROVIDE 1/1" ERECTION BOLT AT EACH END OF BRACING MEMBERS AND WELD AFTER ERECTION.
- DESIGN ALL BRACING CONNECTIONS TO RESIST THE AXIAL BRACE FORCES SHOWN IN THE ELEVATION. FORCES NOTED REPRESENT THE MAXIMUM ASD LOAD COMBINATIONS PER AISC 360-10 AND THE 2012 INTERNATIONAL BUILDING CODE.
- PROVIDE FULL-DEPTH WEB STIFFENER PLATES (MIN. 3/8" THICKNESS) ON EACH SIDE OF BEAM WEBS, TYPICAL WHERE BRACING MEMBER CENTERLINE INTERSECTS BEAM NEUTRAL AXIS AWAY FROM COLUMN CENTERLINE.
- BOLTED BEAM-TO-COLUMN CONNECTIONS AT ALL BRACED FRAMES SHALL BE PRETENSIONED JOINTS USING TENSION-CONTROL BOLTS.
- REFERENCE FRAMING PLANS FOR ANY BEAM OR COLUMN SIZES, GRID DIMENSIONS, OR TOP OF STEEL ELEVATIONS NOT SHOWN. IF DISCREPANCIES OCCUR BETWEEN THE PLANS AND ELEVATIONS, THE PLANS SHALL GOVERN.
- REFERENCE FOUNDATION PLAN FOR FOUNDATION INFORMATION.



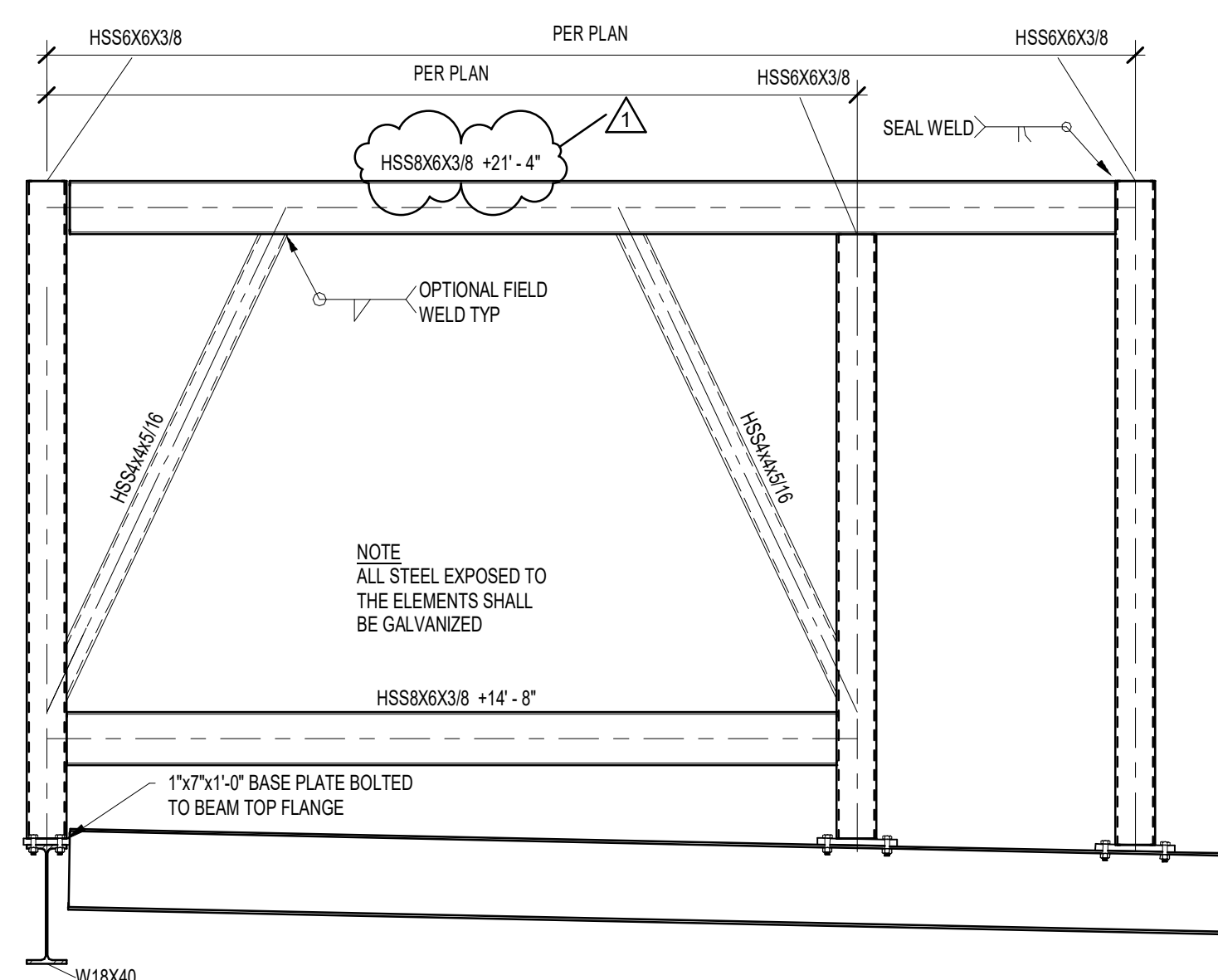
7 UNIT C SOUTH SCREEN
1/2" = 1'-0"



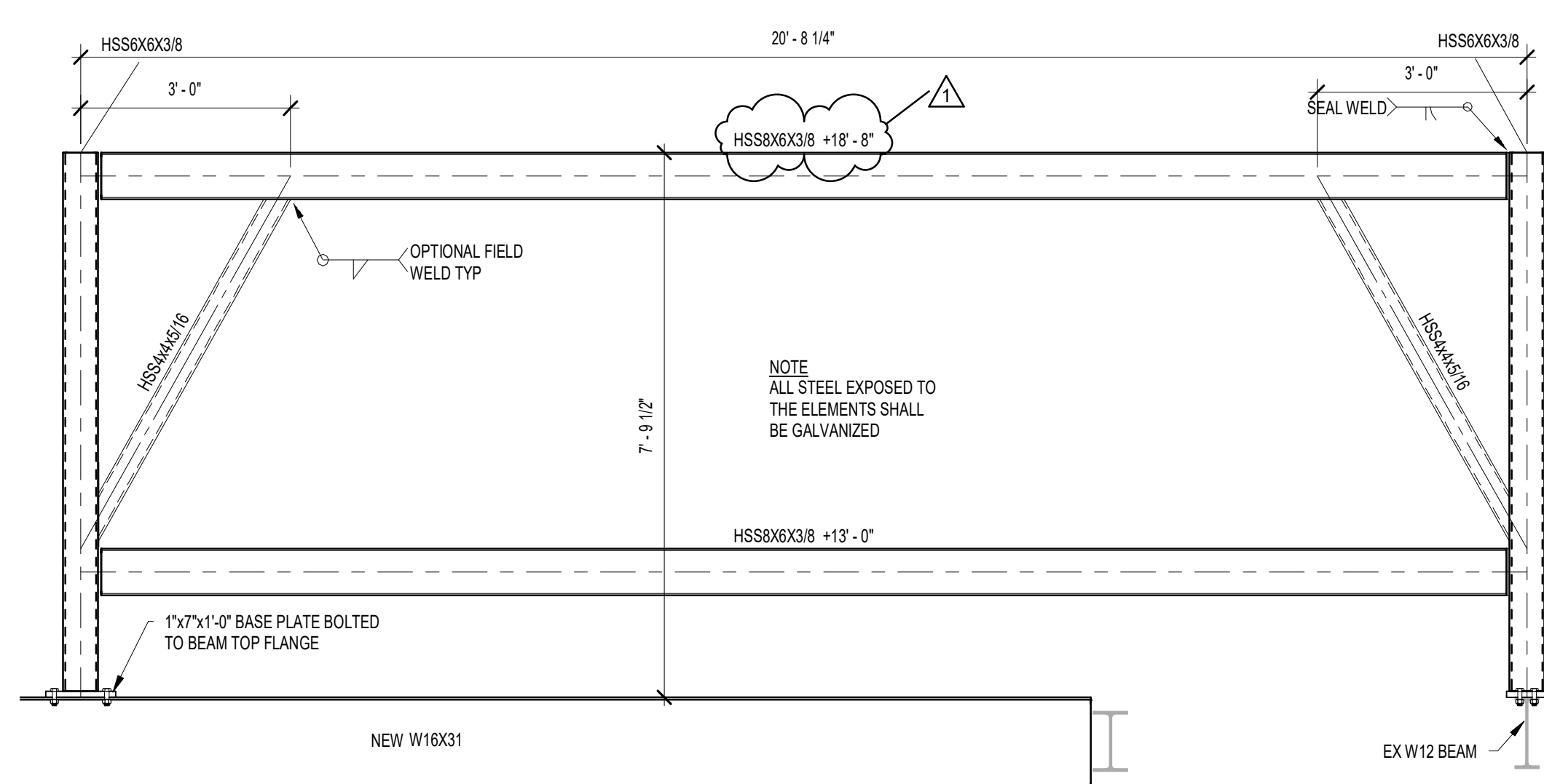
6 UNIT C NORTH SCREEN
1/2" = 1'-0"



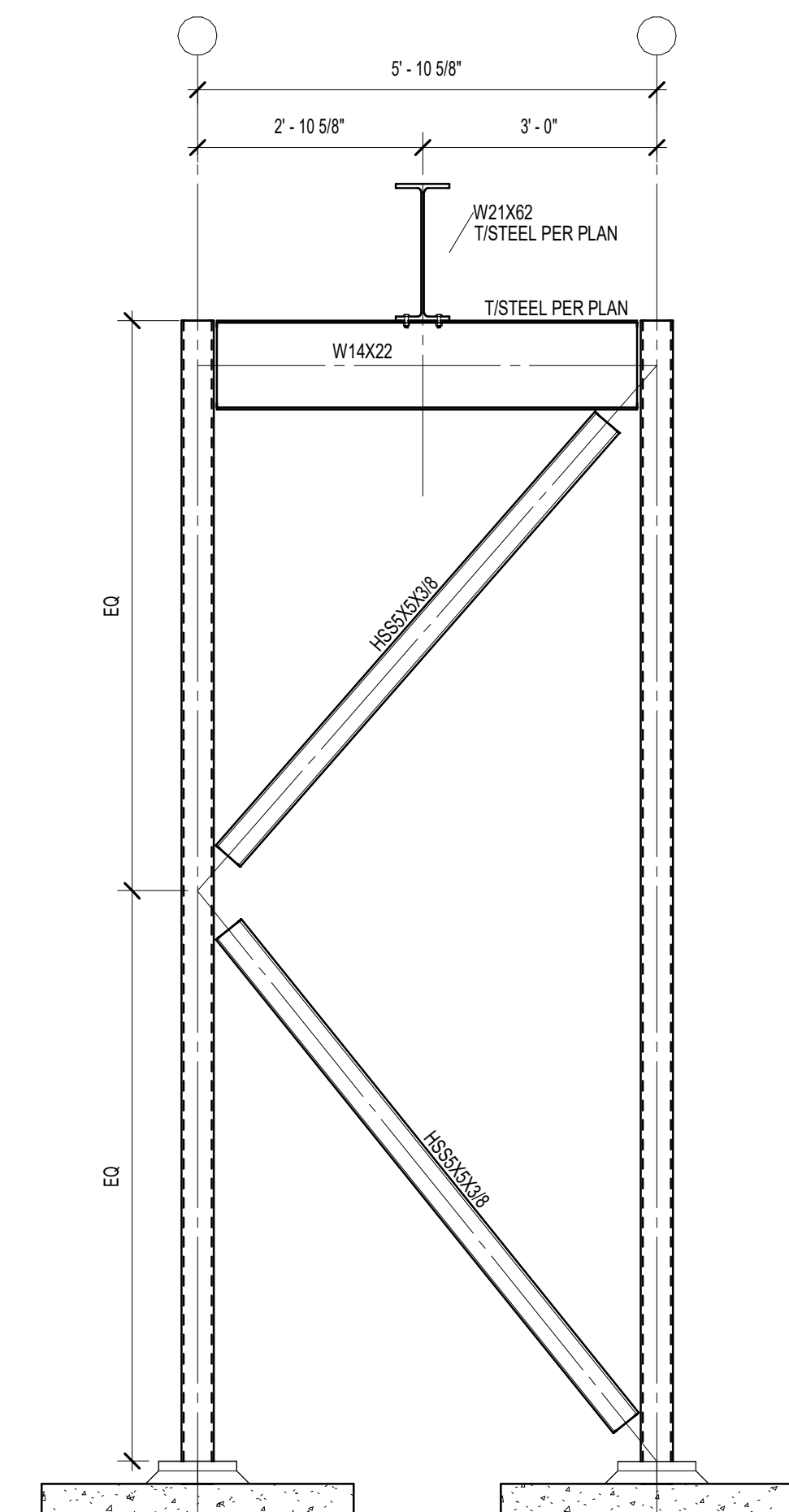
5 UNIT B EAST SCREEN
1/2" = 1'-0"



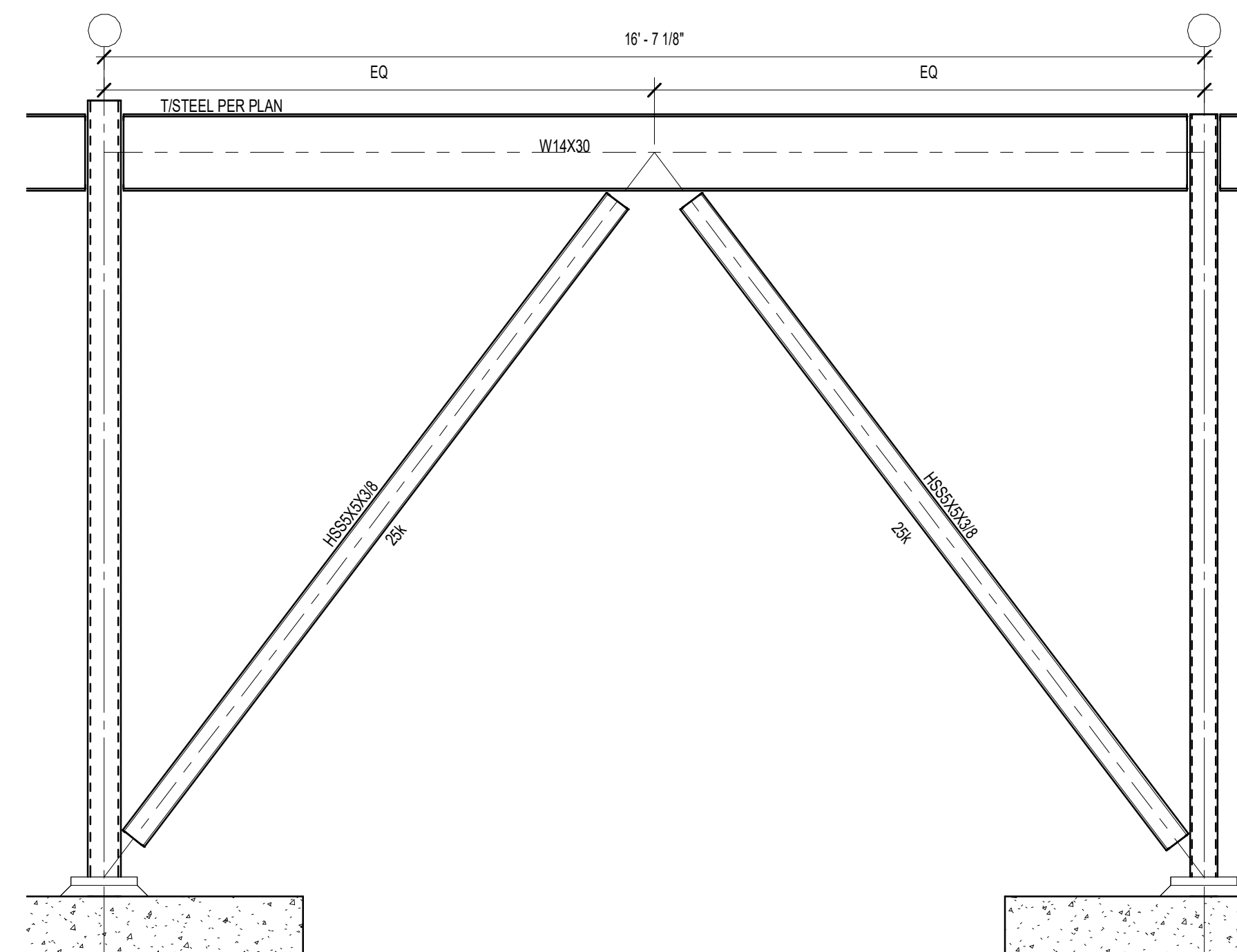
4 UNIT B NORTH/SOUTH SCREEN
1/2" = 1'-0"



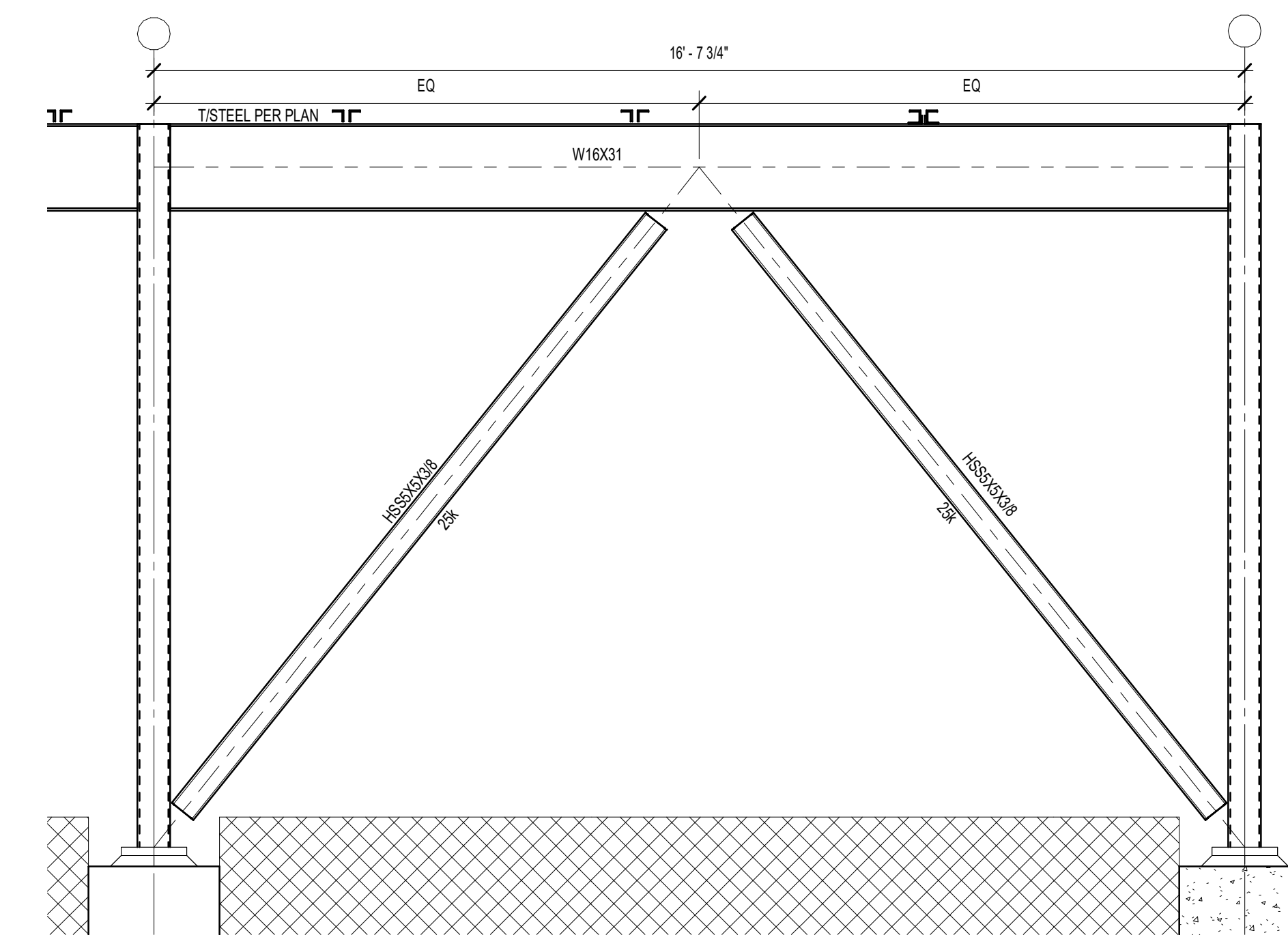
8 UNIT C WEST SCREEN
1/2" = 1'-0"



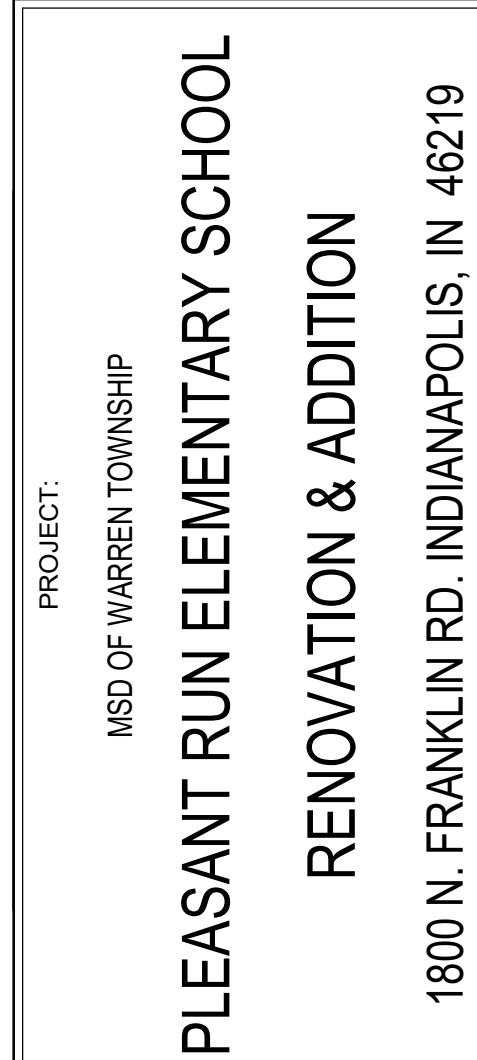
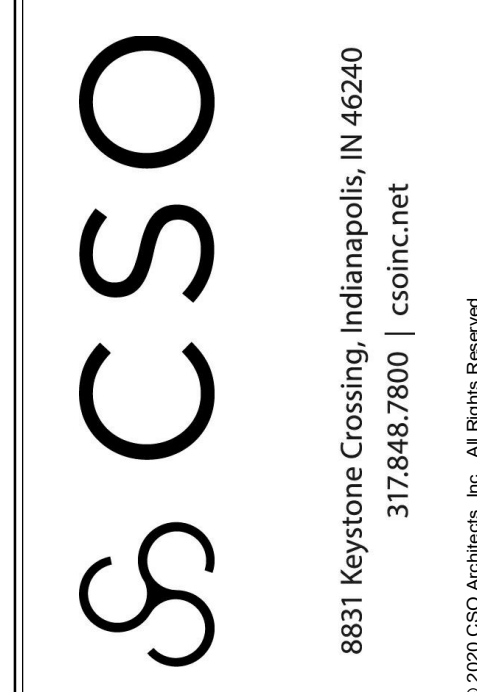
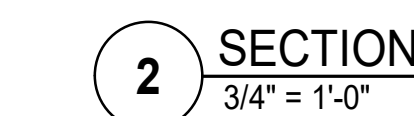
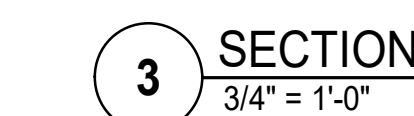
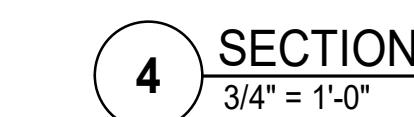
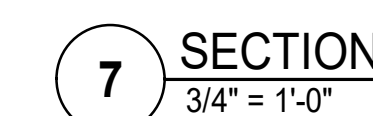
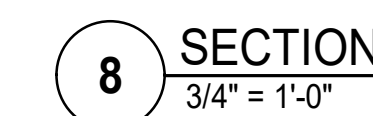
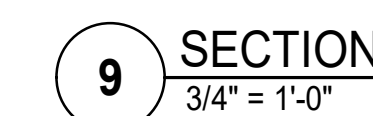
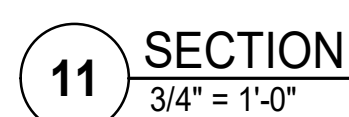
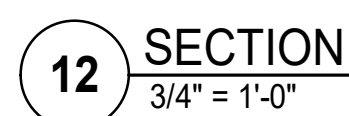
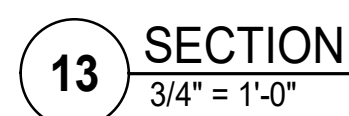
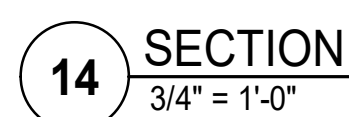
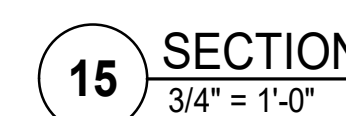
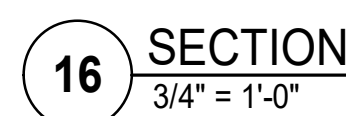
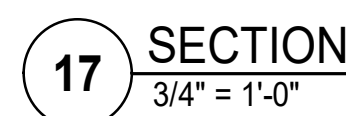
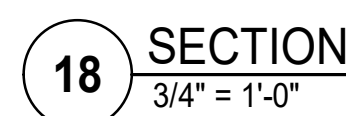
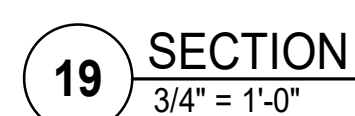
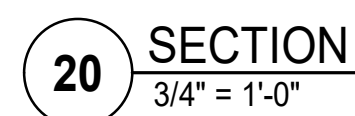
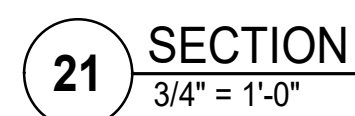
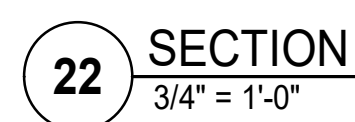
3 BRACE AT STEM ROOM
1/2" = 1'-0"



2 BRACE GRID J
1/2" = 1'-0"



1 BRACE GRID H
1/2" = 1'-0"



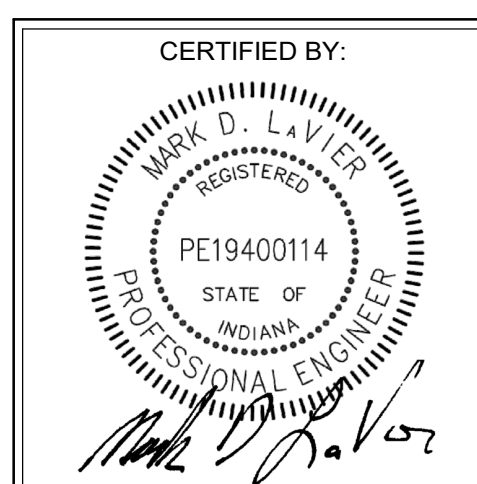
SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:		
1	ADDENDUM 1	3/15/21

ISSUE DATE	DRAWN BY	CHECKED BY
02/26/2021	JAW	MDL

DRAWING TITLE:

**FRAMING
SECTIONS AND
DETAILS**



DRAWING NUMBER
S711

PROJECT NUMBER
2020061



CSO

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PROJECT:
MSD OF WARREN TOWNSHIP

PLEASANT RUN ELEMENTARY SCHOOL
RENOVATION & ADDITION
1800 N. FRANKLIN RD., INDIANAPOLIS, IN 46219

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concepts, the dimensions of the building, the floor plan, and the location of structural, mechanical and electrical systems.
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REVISIONS:		
1	ADDENDUM 1	3/15/21

ISSUE DATE	DRAWN BY	CHECKED BY
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DRAWING TITLE:

FRAMING
SECTIONS AND
DETAILS

CERTIFIED BY:

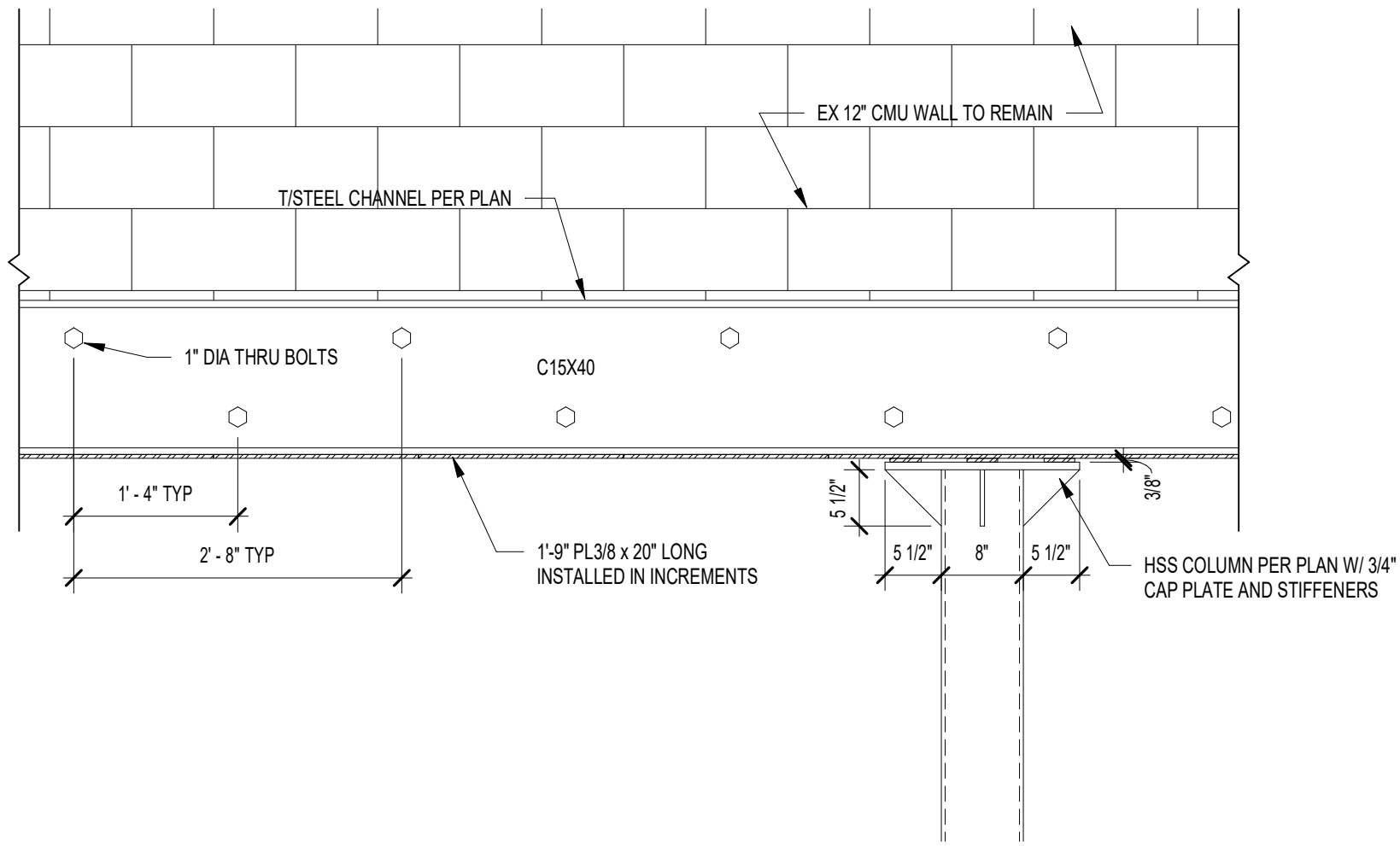
MARK D. L. VAVR
REGISTERED
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STATE OF
INDIANA
PROFESSIONAL ENGINEER

DRAWING NUMBER

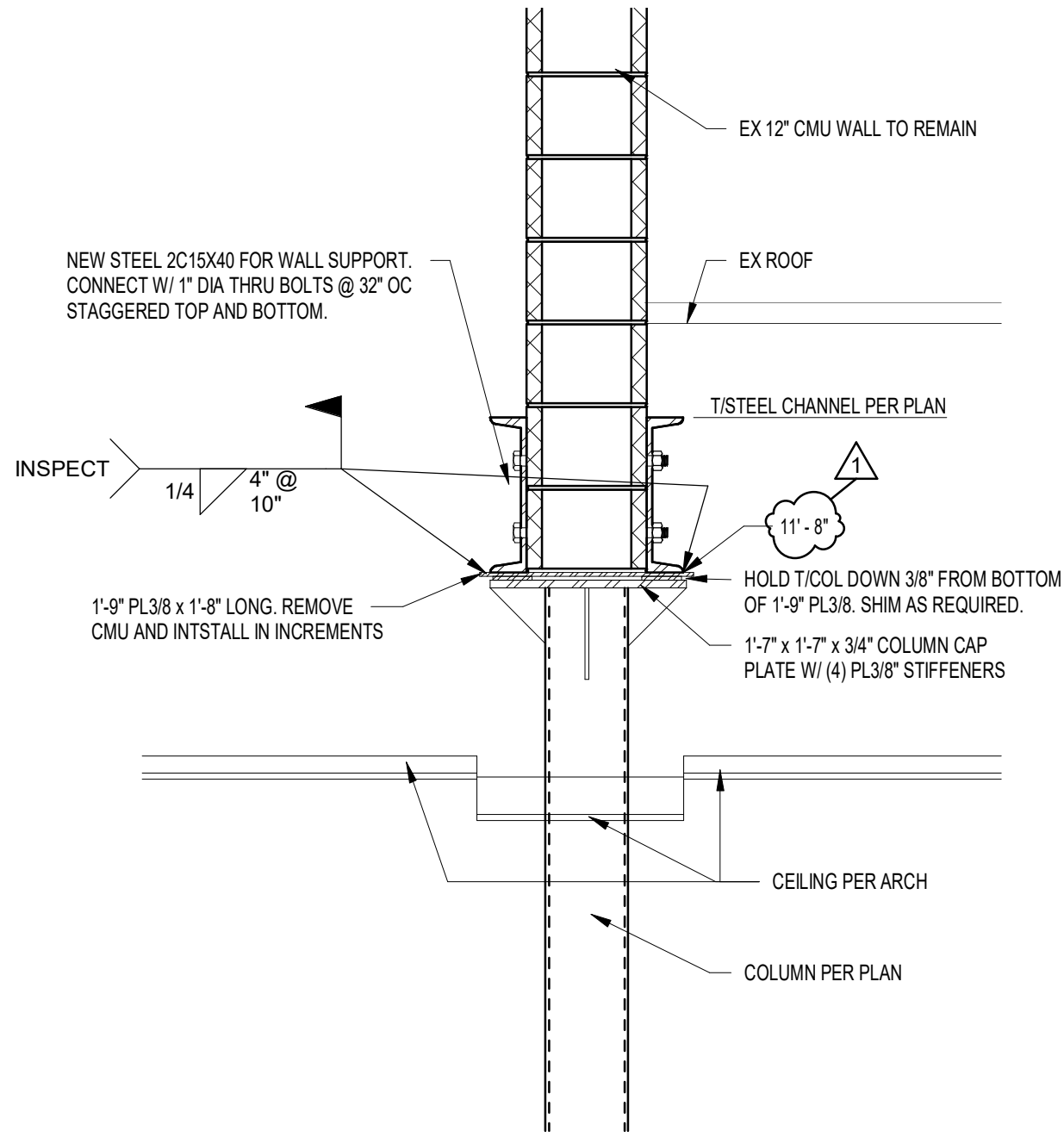
S712

PROJECT NUMBER

2020061



2 DETAIL - DOUBLE CHANNEL ELEVATION
3/4" = 1'-0"



1 SECTION
3/4" = 1'-0"