Fargo Public Schools Maintenance Projects

Fargo, ND & Moorhead MN (Various Locations)
ICON Job 24-060
Addendum 001
Date: 12/30/2024

ADDENDUM 001:

This Addendum consists of (12) pages and (21) drawing sheets.

Operations Center will be a part of GMP#2.

PART I- ADDENDUM FOR CIVIL SPECIFICATIONS AND DRAWINGS:

SPECIFICATIONS

DRAWINGS

Added Sheets:
Eagles Elementary:

- E-C1
- E-C2
- E-C3
- E-C4
- E-C5
- E-C6
- E-C7
- E-C8

Longfellow Elementary:

- LO-C1
- LO-C2
- LO-C3
- LO-C4
- LO-C5
- LO-C6
- LO-C7
- LO-C8

PART II- NOT USED (ADDENDUM FOR STRUCTURAL SPECIFICATIONS AND DRAWINGS)

PART III- ADDENDUM FOR ARCHITECTURAL SPECIFICATIONS AND DRAWINGS:

Fargo Public Schools Maintenance Projects

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SPECIFICATIONS

Specification Manual Cover

1) Updated with new ICON logo and information.

Table of Contents

2) Updated for added Section.

Section 08 8000

1) Changes noted in Red.

Section 09 6500

3) Section Added.

DRAWINGS

Sheet ND-G001

1) Drawing Index Updated.

Sheet MN-G001

1) Drawing Index Updated.

Sheet T-A001

1) General Note 2 added.
2) Replace Vinyl Flooring Comment added to sheet.

Sheet T-A101

1) General Notes added.
2) Keynote 6 added.
3) Vinyl flooring replacement noted on floor plan.

Sheet CE-A001

1) Missed Windows added.

PRIOR APPROVALS

Section 08 8000

Approved Substitution Request:
Manufacturer; Oldcastle Building Envelope
Address: 5334 Barthel Drive, Albertville, MN 55301
Phone: 763-497-4865

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ICON ARCHITECTURAL GROUP

PART IV – NOT USED (THEATER AND/OR FOOD SERVICE DRAWINGS AND SPECIFICATIONS)

PART V- ADDENDUM FOR MECHANICAL SPECIFICATIONS AND DRAWINGS:

SPECIFICATIONS

DRAWINGS

PRIOR APPROVALS

Section 23 5216.20

Approved Substitution Request:
Manufacturer: Torus RBI
Make/Model: To match schedule and specifications

PART VI - ADDENDUM FOR ELECTRICAL SPECIFICATIONS AND DRAWINGS:

SPECIFICATIONS

DRAWINGS

-END OF ADDENDUM 001-

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

FPS MSA 2024
Construction Documents Dated 12/18/2024
Bid due date: 01/09/2025

Bidder Company: _____
Contact Name: _____
Contact Phone Number: _____

**** PLEASE INCLUDE THIS COMPLETED FORM WITH BID FORM WHEN SUBMITTING BID ****

09	**General Bid Package Description - Select Demo, Misc. Steel Install, Carpentry, & Flooring (Add 1)**	
	The Bid Amount (as indicated on Bid Form) is to include ALL work applicable to the Scope of Work as shown in the Drawings and Specifications. Listed below are additional clarifications for this Scope of Work. These are meant to be specific clarifications only and are not all inclusive. Any discrepancies noted by Bidder may result in disqualification of the Bid. This document may be included as an attachment to the Subcontract.	
	Inclusions	Please indicate "**included**" on each line below to confirm that each scope item is included
	Bid Documents:	
	Invitation to Bid	
	Sample Subcontract and Exhibits	
	Insurance Requirements and Sample COI	
	McGough Safety Standards	
	Project Schedule Dated 02/16/2024	
	Bid Form (Submit with Bid)	
	Specifications Dated 12/18/2024	
	Construction Drawings Dated 12/18/2024	
	Addendum(s) (please list recognized addendums)	
	Spec Sections	
	DIVISION 00 BIDDING AND CONTRACT REQUIREMENTS	
	DIVISION 01 GENERAL REQUIREMENTS	
	02 4100 - Demolition	
	06 1000 - ROUGH CARPENTRY	
	08 1113 - HOLLOW METAL DOORS AND FRAMES	
	09 6813 - TILE CARPETING	
	12 3600 - COUNTERTOPS	
	All other specifications as applies	
	General Inclusions	
	Subcontractor acknowledges that the Contract Documents are not fully complete. Subcontractor has included in its scope and "Lump Sum" price all items and necessary appurtenances that are required and/or are reasonably inferable to provide a complete scope of work	
	In conformance with the documents, Subcontractor's bid includes material, equipment, tools, hoisting, scaffolding, platforms, temporary bracing, labor, subsistence/per diem, travel expenses, shipping, project management, coordination, planning, permits required for this scope, bonds, insurance per McGough requirements, all federal, state and local taxes, fees, overhead costs and profits	
	Subcontractor agrees to provide scope of work in accordance with documents, industry standards and applicable building codes. Where any of the above conflict with another, Subcontractor is responsible for obtaining clarification from McGough prior to commencing work. Any rework resulting from a failure to do so or resulting from poor workmanship or quality of materials is the sole responsibility of the Subcontractor	
	Subcontractor has agreed to completing the McGough prequalification process	
	Subcontractor to provide schedule of values and cash flow projections each month w/ pay application	
	Subcontractor agrees to provide updated manpower projections to McGough as requested and has included all costs to do so	

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	Include all required licenses, state and local permits	
	Subcontractor to provide additional pricing upon request from McGough within 5 business days for all scope of work changes. Pricing will need to be provided on a company letterhead cover sheet with additional backup provided on a McGough change order form. Backup at a minimum will need to provide material and labor breakouts. McGough reserves the right to request additional backup to solidify the proposed pricing submitted.	
	Change order profit and overhead cost for added work performed by Subcontractor's own forces 10% of the cost of work , For added work performed by sub Subcontractor's 5% of the cost due to the sub Subcontractor.	
	Subcontractor has accounted for providing an updated cost log to McGough on a monthly basis. Cost log should at a minimum show all executed and pending cost changes and their values	
	Include insurance in accordance with McGough requirements; including pollution insurance if scope of work requires	
	Include all specified submittals, warranties and mockups	
	Subcontractor to provide all closeout materials and warranties per the scope and duration noted in the documents. Warranties are to start at the date of substantial completion of the entire project and is irrespective of any use of work for temporary services during construction	
	Provide submittals in a timely manner to account for lead times and changes in design. Subcontractor shall be solely responsible for impacts due to providing late and/or incomplete submittals as well as submitting large quantities at once ("dumping") that hinders timely review	
	Use of tobacco is not permitted on FPS campus'. No smoking will be allowed anywhere on the project site.	
	No radios other than communication type radios will be permitted on the job site	
	Standard work hours are 7:00 am to 3:30 pm. Work outside these hours shall be coordinated with McGough. Crews expected to be onsite Monday through Friday	
	Subcontractors Superintendent or Foreman and Project manager shall attend weekly on-site coordination meetings as applicable to your scope. Supt. or Foreman shall also participate in "daily huddle" approx. 15 minutes to discuss that days activities	
	Subcontractor is responsible for adhering to the project schedule as issued by McGough. Subcontractor is solely responsible for any impacts caused to the Owner, Architect/Engineer, Subcontractor or other Sub Subcontractors as a result of schedule delays it causes and must provide resources including its own labor on overtime to recover delays. Subcontractor will also be responsible for costs borne by McGough and/or other Sub Subcontractors and Suppliers to recover delays it causes	
	Include participation in periodic schedule pull plan sessions and weekly project Sub Subcontractor meetings during or as appropriate to your scope. Subcontractor agrees to actively partake in project scheduling activities including providing accurate time estimates to McGough Superintendents and providing comments and feedback to schedules issued by McGough	
	Perform installation in sequences directed by McGough to support the construction schedule	
	Utility locates as required for any earthwork/underground/etc. is responsibility of Subcontractor	

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	Subcontractor is responsible for coordinating with the testing agency and McGough superintendent and has accounted for costs associated with providing adequate access and time needed to perform such inspections and testing of its scope of work. Subcontractor shall bear sole responsibility and associated costs for retesting or additional testing as a result of poor workmanship or quality of materials	
	Mock-ups are required per the Documents. Subcontractor to build mock-ups that pertain to its scope of work as indicated in the documents, in a manner that they serve the intended purpose of review and adjustment by the owner, architect/engineer and Subcontractor. Mock-ups are to be constructed in a timely manner by the persons responsible for the final in-place construction and are to be coordinated between Subcontractor and McGough Project Superintendent	
	Subcontractor has included any costs associated with manufacturer field visits as noted in the documents or is standard in the field that Subcontractor performs this scope of work in	
	Subcontractor is responsible for all costs related to delayed construction and review of mock-ups	
	Subcontractor to conform to all safety regulations per applicable OSHA and McGough standards and participate in McGough Safety Program	
	Subcontractor shall provide their site-specific safety plan to McGough prior to starting work including all material SDS pertaining to your scope of work. Hard copies of SDS are required to be onsite and stored in McGough construction office	
	Except in designated break areas and office trailers, all Subcontractor personnel working on site need to wear shirts with minimum 4" sleeves (tank tops not allowed), full length pants, class II high vis vest/jacket, Type II safety helmets, Level III cut-resistant gloves, hard sole work boots, and ANSI's Z87.1-2003 rated safety glasses	
	All Subcontractors' employees working on site will be required to attend our on-site safety orientation prior to starting work. This orientation is approximately 45 mins to 1 hour in length and generally will be scheduled to occur once per week	
	Provide roof and leading edge fall protection (harnesses and retractable, etc. for your employees as required to meet 6-foot fall protection rule (any worker above 6 feet must be tied off 100% of time). This includes and all work occurring on the roof levels, at all times, as there is no temporary or permanent perimeter guardrail system	
	McGough will conduct a weekly safety meeting of approximately 30 mins. In length. Attendance is required for all workers onsite	
	Subcontractor shall provide all safety equipment (i.e. fire ext., PPE, fall protection, safety barricades, devices, covers, etc.) as required for the safe conduct of their work and in accordance w/ the latest OSHA requirements	
	Required that each Subcontractor has a competent person as determined by OSHA onsite when the Subcontractor is mobilized and performing work	
	Traffic control as required to complete scope of work	
	Site will have very limited space for laydown. All deliveries and any on site storage to be made in consultation with McGough project superintendent	
	Provide material handling within the building as applicable for their scope of work	
	Provide all survey, staking and layout associated with this work. Control points for the building will be provided by others	
	Subcontractor and all Sub-Subcontractors are required to provide cleanup of their materials and debris/dust created from completing their scope of work. McGough will not be providing general site cleanup.	

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	Subcontractor is responsible for all design, engineering, procurement, construction and removal of any temporary bracing, supports etc. needed to complete Subcontractor's scope of work safely and without impacting existing work in place. If Subcontractor believes, contrary to McGough, that such controls are not needed for a given condition, it is responsible for conducting engineering to substantiate its claim	
	Subcontractor is responsible for removing all hazardous waste off-site in accordance with laws and regulations. Provide documentation of such removals to McGough within 24 hours. Owner has hired a third party abatement Subcontractor to remove all asbestos containing materials.	
	Subcontractor is responsible for removing all non-hazardous waste to the on-site dumpsters. Dumpsters to be provided by McGough.	
	Any and all Subcontractors installing materials or equipment after the permanent roofing is installed must provide proper and adequate protection of the roofing materials during their scope of work. Protection will be 1” insulation and 1/2" plywood	
	Subcontractor is responsible for providing power to their trailer(s), Connex boxes and any power connections for tools/equipment that are beyond typical 20amp outlet.	
	Include distribution of temp power, extension cords and task lighting for your scope	
	Subcontractor shall provide their own temp. elec. power and lighting as required until the elec. Subcontractor completes the initial temp. service and wiring installation for the project. Once the initial service is completed, temp. power, wiring, lighting and distribution will be provide in accordance w/ current OSHA requirements. Any requirements in excess of these shall be at the expense of the Subcontractor. Any electrical service in excess of single phase, 120V power shall be the responsibility of the Subcontractor. All temp. work shall be removed by the installing Subcontractor	
	Subcontractor is responsible for cutting and patching of all penetrations through walls, partitions, floors, ceilings and roofs necessary for the installation of its work	
	Subcontractor is responsible for maintaining a current set of construction documents for use by its crew. Changes to construction documents will be distributed electronically by McGough to all Subcontractors. Extra hard copies will not be provided by McGough for use by Subcontractors	
	Subcontractor has included all costs associated with maintaining and submitting on request, electronic copies of all as-builts pertaining to its scope of work	
	Subcontractor shall respect the work of others and shall be responsible for costs incurred in repairing work by others damaged by its personnel	
	Subcontractor to submit Quality Control Program to McGough a minimum of 15 days prior to starting its scope of work. McGough to review and provide recommendations on changes if any are required	
	Subcontractor to conduct quality control steps as noted in the Quality Control Program and specifications and documents. Submit all reports and inspection records to McGough within 24 hours of completion	
	Subcontractor agrees to rectify any deficient work within 3 days of being notified by Owner, Architect/Engineer, AHJ, Third Party Testing Agency, Manufacturer or Subcontractor. Documentation of remedial action is the responsibility of the Subcontractor. Subcontractor shall bear sole responsibility for costs where such deficiencies impact the work of others	

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	Subcontractor acknowledges that it is responsible for all its tiered Sub Subcontractors and that McGough reserves the right to reasonably object to any tiered Sub Subcontractors. No tiered Sub Subcontractor with a current EMR greater than 1.0 may be awarded work on this project	
	3rd party engineering of scope of work per contract documents and/or standard trade practices required	
	Attend preinstallation meeting prior to start of work	
	The Prime Contract includes terms and conditions requiring certain information pertaining to Registered Sex Offenders ("RSO"). By signing this Subcontract, Subcontractor acknowledges and certifies its compliance with the terms of Section 3.4.3 of the Prime Contract requiring notification of RSOs, including, to the extent possible, background checks. The Owner reserves the right to not allow RSOs to work on State Institution property.	
	Specific Scope Inclusions	
	General	
	This package captures all pertinent items included in both the "Renovation" and "New Construction" extents. Please reference the document titled "NDSU ROEC New Construction vs Renovation Extents" provided as part of the bidding documents for clarification	
	This package will require the contractor to work on multiple spaces at the same time. Contractor is to assume the use of two separate crews while renovations and new construction are ongoing together. Contractor to provide one foreman for new construction work and one foreman for Renovation work.	
	The Project schedule will require this package to work overtime to meet the durations required for a completed scope of work. Contractor to verify schedule and include the necessary overtime to meet the scheduled durations.	
	Site will have very limited space for laydown. All deliveries and any on site storage to be made in consultation with McGough project superintendent	
	Provide material handling within the building as applicable for their scope of work	
	Subcontractor is responsible for maintaining a clean job site as it relates to its scope of work. Additional cleanup maybe required by Subcontractor as determined by McGough. Include equipment for your scope including trash carts for material transfer from floors. Note, McGough will not perform general site cleanup. All trades are responsible for cleanup of their activity and materials to include the dumping of materials into jobsite dumpsters.	
	Provide 40 labor hours to be utilized at the discretion of McGough for site services such as periodic cleanup, material handling, temporary provisions, jobsite safety, etc. Subcontractor will be responsible for tracking these hours and submitting monthly usage reports to McGough. **(ADD 1)**	
	Select Demo	
	Subcontractor shall remove / demolish all materials as indicated in the architectural drawings. MEP & masonry materials removals to be by others.	
	Subcontractor shall provide all interior demolition in existing buildings as indicated in the construction documents. Masonry material removals to be by others.	

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	Subcontractor to provide a site specific demolition plan to McGough for review 2 weeks prior to beginning work onsite.	
	No demolition activities can occur in active buildings or without first coordinating with FPS and McGough. Subcontractor will be responsible for barricading off demolition area from pedestrians and construction workers alike.	
	Removal of demolition debris is the responsibility of this Subcontractor. McGough will provide dumpsters onsite.	
	All demolition debris to be cleaned up and removed at the end of each working day at a minimum.	
	Subcontractor shall provide all PPE, material handling equipment, and tools to their workers to facilitate demolition.	
	Per OSHA guidelines, Subcontractor understands no dry cutting of masonry or concrete products will be allowed onsite. Wet cutting or vacuums will be required.	
	Provide dust mitigation. Plan to be reviewed and approved by McGough personnel prior to work beginning on site. Dust mitigation is not limited to what is shown on the construction documents.	
	Subcontractor has reviewed the provided asbestos reports and understand all asbestos containing materials will be abated by the Owner. No cost for demoing asbestos containing materials are included.	
	Protection of existing finishes to remain in place.	
	Air quality monitoring included and addressed as needed utilizing proper equipment such as air scrubbers, hepa filters, negative air machines, etc.	
	Temp barricades / protection provided by this subcontract as needed when performing demo in active areas. Keep dust out of active areas and protect / keep pedestrians out of demolition extents	
	Subcontractor is responsible for maintaining a clean job site as it relates to its scope of work. Additional cleanup maybe required by Subcontractor as determined by McGough. Include equipment for your scope including trash carts for material transfer from floors. Note, McGough will not perform general site cleanup. All trades are responsible for cleanup of their activity and materials to include the dumping of materials into jobsite dumpsters.	
	Contract to include allowance of 80 Man hours for the demolition of unforeseen conditions encountered onsite. These hours will need to be tracked and submitted to McGough when used.	
	Remove, store & protect stadium seating for reinstalltion as described in the construction documents.	
	Remove popped & spalding grout cover from precast embed plates at Operations Center	
	Dismantle, store, & protect Centennial Mezzanine stair.	
	~~Provide, install, maintain, & dismantle temporary structural shoring of precast floor structure at South high for Masonry repairs.~~ **(Add 1)**	
	Demo, salvage, & protect wood doors & hardware.	
	Remove, salvage, & protect Carpet flooring as described in the construction documents.	
	Steel Install	
	All misc metals and handrails / guardrails for skywalk structures	
	Install all misc steel angles and equipment supports as shown in the architectural drawings.	
	All steel assemblies and handrails / Guardrails	
	Provide and install required Shims	
	Coordinate sequence and deliveries with steel fabricator, assume on-time deliveries and no on-site storage.	
	Provided all surveying and layout associated with this scope of work.	

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	Provide rigger and signal person for steel erection	
	All equipment: including hoist, hoisting equipment, tools and acc. to complete this scope of work.	
	Grind all exposed welds to receive paint or at public spaces smooth	
	Grouting of all steel baseplates	
	Site will have very limited space for laydown. All deliveries and any on site storage to be made in consultation with McGough project superintendent	
	~~Re-weld & grout embed plates at Operations Center~~ (Add 1)	
	Re-install steel mezzanine stair at Centennial	
	Rough Carpentry	
	All exterior rough carpentry (ext. walls, parapets, opening blocking, roof blocking, guardrails, handrails, etc.) sheathing and wood blocking.	
	Wood Blocking around all openings as detailed.	
	Finish Carpentry and Millwork	
	Provide and install Architectural sills and acc.	
	Verify all finishes with specifications. Contractor to provide all samples for approval.	
	Provide finished ends where indicated.	
	Field verifications required to complete scope of work. This will be required to be completed in a timely fashion to align w/ installation of scope of work per construction schedule (i.e. if this requires field verifications measure from rough openings or framing and factor in finishes dimensions, that will be responsibility of contractor). This will need to be reviewed w/ McGough prior to completing verifications	
	Door Frames and Doors	
	Provide and install all hollow metal frame.	
	Install salvaged wood doors and hardware	
	Bondo all holes in frames from fasteners or installation	
	Receive and distribute all hollow metal doors and frames	
	Verify frames with additional prep for hardware	
	Factory finishing as specified	
	Hollow metal frames in masonry / concrete openings to be grouted by this subcontractor	
	Provide temporary protection of existing wood, metal, & Aluminum doors during construction extents through paths of travel.	
	Flooring	
	Replace salvaged flooring as indicated in the construction documents.	
	furnish & install new flooring finishes as indicated in the construction documents.	
	Specialties and Accessories	
	Reinstall Fixed Audience Seating system including all accessories	
	Miscellaneous	
	Install wood safety railing at all pits and floor openings. Maintain these during construction	
	Miscellaneous Requested Information:	
	Quantities	
	Confirm you can meet schedule or provide overall estimated duration (in Weeks) to complete scope of work If Differs from McGough Project Schedule	
	What is your anticipated crew size	

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	Indicate the number of mobilizations included	
	Provide names of any tiered subSubcontractors	
	Specify scope of work to be done by tiered subSubcontractors	
	Value of Select Demo Package	
	Value of Misc. Metals Install Package	
	Value of Rough & Finish Carpentry Package.	
	Value of Flooring Package	
	Lead Times	
	Door frames	
	Exclusions	List any Specific Exclusions
	setting of hollow metal door and window frames in metal stud framed walls	
	Payment and performance bonds	
	Prefinished metal coping, gutters & downspout removals	
	EIFS Demo	
	Brick or CMU Demo.	
	Existing aluminum or wood glazing system Demo.	
	Playground structure Demo or modification.	
	Asphaltic Roof shingle demo.	
	Window & Door demo or replacement at Trollwood.	
	Estimate Breakout	Value Included in Bid
	Voluntary Alt. - Demo & dispose of Asphaltic Roofing, Existing roof sheathing & Install of new roof sheathing at North High.	
	Value of Select Demo Package	
	Value of Misc. Metals Install Package	
	Value of Rough & Finish Carpentry Package.	
	Value of Flooring Package	
	Bid Unit Pricing - wages, fringes, taxes, insurance, benefits, etc. Mark-ups for Overhead and Profit (OH&P) will be allowed however, DO NOT include mark-ups for OH&P in the Unit Pricing Below:	
	Labor Unit Pricing	Fully Loaded Labor Wage/Hour
	Trade	Regular | Overtime | Double-time
	Foreman	
	Laborer	
	Operator	
	Unit Pricing Item	Cost/Unit | Unit

END OF CHECKLIST

FARGO PUBLIC SCHOOLS MAINTENANCE PROJECTS

PROJECT MANUAL

PROJECT NUMBER: 24-060

Bennett Elementary School
Carl Ben Eielson Middle School
Davies High School
Fargo Public Schools District Office
Eagles Elementary School
Lincoln Elementary School
Longfellow Elementary School
North High School
Fargo Public Schools Operations Center
South High School
Trollwood Performing Arts **Separated for City Review*
Washington Elementary School

ISSUE DATE: 12/18/2024

ISSUED BY:
ICON ARCHITECTURAL GROUP
3187 Bluestem Drive, STE 2
West Fargo, ND 58078

ICONARCHITECTS.COM | 701.772.4266

ICON ARCHITECTURAL GROUP

SECTION 00 0110
TABLE OF CONTENTS

END OF SECTION 00 0110

SECTION 08 8000
GLAZING
(CENTENNIAL ELEMENTARY)

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Insulating glass units.

B. Glazing compounds.

1.02 RELATED REQUIREMENTS

A. Section 07 2700 - Air Barriers.

1.03 REFERENCE STANDARDS

A. ASTM C864 - Standard Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers; 2005 (Reapproved 2019).

B. ASTM C1036 - Standard Specification for Flat Glass; 2021.

C. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2018.

D. ASTM C1376 - Standard Specification for Pyrolytic and Vacuum Deposition Coatings on Flat Glass; 2021a.

E. ASTM E1300 - Standard Practice for Determining Load Resistance of Glass in Buildings; 2016.

F. ASTM E2190 - Standard Specification for Insulating Glass Unit Performance and Evaluation; 2019.

G. NFRC 100 - Procedure for Determining Fenestration Product U-factors; 2023.

H. NFRC 200 - Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence; 2023.

I. NFRC 300 - Test Method for Determining the Solar Optical Properties of Glazing Materials and Systems; 2023.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by each of the affected installers.

1.05 SUBMITTALS

A. See Section 01 3000 - Administrative Requirements for submittal procedures.

B. Product Data on Insulating Glass Unit Glazing Types: Provide structural, physical and environmental characteristics, size limitations, special handling and installation requirements.

C. Product Data on Glazing Compounds and Accessories: Provide chemical, functional, and environmental characteristics, limitations, special application requirements, and identify available colors.

D. Samples: Submit two samples 12" by 12" inch in size-of glass units, showing coloration and design.

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

F. Manufacturer's qualification statement.

G. Installer's qualification statement.

H. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.06 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.

B. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years documented experience.

1.07 MOCK-UPS

A. See Section 01 4000 - Quality Requirements for additional requirements.

B. Provide on-site glazing mock-up with the specified glazing components.

C. Locate where directed.

D. Mock-ups may remain as part of the Work.

1.08 FIELD CONDITIONS

A. Do not install glazing when ambient temperature is less than 40 degrees F.

B. Maintain minimum ambient temperature before, during and 24 hours after installation of glazing compounds.

1.09 WARRANTY

A. See Section 01 7800 - Closeout Submittals for additional warranty requirements.

B. Insulating Glass Units: Provide a five (5) year manufacturer warranty to include coverage for seal failure, interpane dusting or misting, including providing products to replace failed units.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Glass Fabricators:
1. Trulite Glass & Aluminum Solutions, LLC: www.trulite.com/#sle.
2. Viracon, Inc: www.viracon.com/#sle.
3. Oldcastle; www.obe.com.
4. Substitutions: See Section 01 6000 - Product Requirements.

2.02 PERFORMANCE REQUIREMENTS - EXTERIOR GLAZING ASSEMBLIES

A. Provide type and thickness of exterior glazing assemblies to support assembly dead loads, and to withstand live loads caused by positive and negative wind pressure acting normal to plane of glass.
1. Comply with ASTM E1300 for design load resistance of glass type, thickness, dimensions, and maximum lateral deflection of supported glass.
2. Provide glass edge support system sufficiently stiff to limit the lateral deflection of supported glass edges to less than 1/175 of their lengths under specified design load.
3. Glass thicknesses listed are minimum.

B. Weather-Resistive Barrier Seals: Provide completed assemblies that maintain continuity of building enclosure water-resistive barrier, vapor retarder, and/or air barrier.
1. In conjunction with weather barrier related materials described in other sections, as follows:
   a. Air Barriers: See Section 07 2700.
2. To utilize inner pane of multiple pane insulating glass units for continuity of vapor retarder and/or air barrier seal.
3. To maintain a continuous vapor retarder and/or air barrier throughout glazed assembly from glass pane to heel bead of glazing sealant.

C. Thermal and Optical Performance: Provide exterior glazing products with performance properties as indicated. Performance properties are in accordance with manufacturer's published data as determined with the following procedures and/or test methods:
1. Center of Glass U-Value: Comply with NFRC 100 using Lawrence Berkeley National Laboratory (LBNL) WINDOW 6.3 computer program.
2. Center of Glass Solar Heat Gain Coefficient (SHGC): Comply with NFRC 200 using Lawrence Berkeley National Laboratory (LBNL) WINDOW 6.3 computer program.
3. Solar Optical Properties: Comply with NFRC 300 test method.

2.03 GLASS MATERIALS

A. Float Glass: Provide float glass based glazing unless otherwise indicated.
   1. Annealed Type: ASTM C1036, Type I - Transparent Flat, Class 1 - Clear, Quality - Q3.
   2. Kind FT - Fully Tempered Type: Complies with ASTM C1048.

2.04 INSULATING GLASS UNITS

A. Manufacturers:
   1. Cardinal Glass Industries: www.cardinalcorp.com/#sle.
   2. Guardian Glass, LLC: www.guardianglass.com/#sle.
   3. Pilkington North America Inc: www.pilkington.com/na/#sle.Pilkington North America Inc : www.pilkington.com/na/#sle.
   4. Viracon, Apogee Enterprises, Inc: www.viracon.com/#sle.
   5. Vitro Architectural Glass (formerly PPG Glass): www.vitroglazings.com/#sle.
   6. Oldcastle; www.obe.com.
   7. Substitutions: See Section 01 6000 - Product Requirements.

B. Fabricator: Certified by glass manufacturer for type of glass, coating, and treatment involved and capable of providing specified warranty.

C. Insulating Glass Units: Types as indicated.
   1. Durability: Certified by an independent testing agency to comply with ASTM E2190.
   2. Coated Glass: Comply with requirements of ASTM C1376 for pyrolytic (hard-coat) or magnetic sputter vapor deposition (soft-coat) type coatings on flat glass; coated vision glass, Kind CV; coated overhead glass, Kind CO; or coated spandrel glass, Kind CS.
   3. Metal-Edge Spacers: Aluminum, bent and soldered corners.
   4. Spacer Color: Black.
   5. Edge Seal:
      a. Dual-Sealed System: Provide polyisobutylene sealant as primary seal applied between spacer and glass panes, and silicone, polysulfide, or polyurethane sealant as secondary seal applied around perimeter.
      b. Color: Black.
   6. Purge interpane space with dry air, hermetically sealed.

D. Insulating Glass Units: Vision glass, double glazed.
   1. Applications: Exterior glazing unless otherwise indicated.
   2. Space between lites filled with argon.
   3. Outboard Lite: Fully tempered float glass, 1/4 inch thick, minimum.
      a. Tint: Clear.
      b. Coating: Self-cleaning type, on #1 surface.
      c. Coating: Low-E (solar control type), on #2 surface.
   4. Metal edge spacer.
   5. Inboard Lite: Fully tempered float glass, 1/4 inch thick, minimum.
      a. Tint: Clear.
   6. Total Thickness: 1 inch.
   7. Thermal Transmittance (U-Value) per applicable energy code: .29, nominal.
   8. Visible Light Transmittance (VLT): 70 percent, nominal.
   9. Shading Coefficient: .45, nominal.
   10. Solar Heat Gain Coefficient (SHGC): .39, nominal.
   11. Visible Light Reflectance, Outside: 11 percent, nominal.
   12. Glazing Method: Dry glazing method, gasket glazing.

2.05 BASIS OF DESIGN - INSULATING GLASS UNITS

A. Basis of Design - Insulating Glass Units: Vision glazing, with low-e coating.
   1. Applications: Exterior insulating glass glazing unless otherwise indicated.

2. Space between lites filled with argon.
3. Total Thickness: 1 inch.
4. Thermal Transmittance (U-Value), Summer - Center of Glass: .27, nominal.
5. Visible Light Transmittance (VLT): 70 percent, nominal.
6. Shading Coefficient: .45, nominal.
7. Solar Heat Gain Coefficient (SHGC): .39, nominal.
8. Visible Light Reflectance, Outside: 11 percent, nominal.
9. Glazing Method: Dry glazing method, gasket glazing.
10. Coated Glass: Comply with requirements of ASTM C1376 for pyrolytic (hard-coat) or magnetic sputter vapor deposition (soft-coat) type coatings on flat glass; coated vision glass, Kind CV; coated overhead glass, Kind CO; or coated spandrel glass, Kind CS.
11. Spacer Color: Black.
12. Edge Seal:
    a. Dual-Sealed System: Provide polyisobutylene sealant as primary seal applied between spacer and glass panes, and silicone, polysulfide, or polyurethane sealant as secondary seal applied around perimeter.
13. Color: Black.
14. Purge interpane space with dry air, hermetically sealed.
15. Basis of Design - Vitro Architectural Glass (formerly PPG Glass): www.vitroglazings.com/#sle.
16. Outboard Lite: Fully tempered float glass, 1/4 inch thick, minimum.
    a. Low-E Coating: Vitro Architectural Glass (formerly PPG Glass) Solarban 60 on #2 surface.
    b. Glass: Clear.
17. Inboard Lite: Fully tempered float glass, 1/4 inch thick.

ACCESSORIES

B. Setting Blocks: Silicone, with 80 to 90 Shore A durometer hardness; ASTM C864 Option II. Length of 0.1 inch for each square foot of glazing or minimum 4 inch by width of glazing rabbet space minus 1/16 inch by height to suit glazing method and pane weight and area.

C. Glazing Splines: Resilient silicone extruded shape to suit glazing channel retaining slot; ASTM C864 Option II; color black.

PART 3 EXECUTION

3.01 VERIFICATION OF CONDITIONS

A. Verify that openings for glazing are correctly sized and within tolerances, including those for size, squareness, and offsets at corners.

B. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and support framing is ready to receive glazing system.

3.02 PREPARATION

A. Clean contact surfaces with appropriate solvent and wipe dry within maximum of 24 hours before glazing. Remove coatings that are not tightly bonded to substrates.

B. Seal porous glazing channels or recesses with substrate compatible primer or sealer.

C. Prime surfaces scheduled to receive sealant where required for proper sealant adhesion.

3.03 INSTALLATION, GENERAL

3.04 INSTALLATION - DRY GLAZING METHOD (GASKET GLAZING)

A. Application - Exterior and/or Interior Glazed: Set glazing infills from either the exterior or the interior of the building.

B. Place setting blocks at 1/4 points with edge block no more than 6 inch from corners.

C. Rest glazing on setting blocks and push against fixed stop with sufficient pressure on gasket to attain full contact.

D. Install removable stops without displacing glazing gasket; exert pressure for full continuous contact.

3.05 INSTALLATION - PLASTIC FILM

A. Install plastic film with adhesive, applied in accordance with film manufacturer's instructions.

B. Place without air bubbles, creases or visible distortion.

C. Install film tight to perimeter of glass and carefully trim film with razor sharp knife. Provide 1/16 inch to 1/8 inch gap at perimeter of glazed panel unless otherwise required. Do not score the glass.

3.06 FIELD QUALITY CONTROL

A. Glass and Glazing product manufacturers to provide field surveillance of the installation of their products.

B. Monitor and report installation procedures and unacceptable conditions.

3.07 CLEANING

A. Remove excess glazing materials from finish surfaces immediately after application using solvents or cleaners recommended by manufacturers.

B. Remove nonpermanent labels immediately after glazing installation is complete.

C. Clean glass and adjacent surfaces after sealants are fully cured.

D. Clean glass on both exposed surfaces not more than 4 days prior to Date of Substantial Completion in accordance with glass manufacturer's written recommendations.

3.08 PROTECTION

A. After installation, mark pane with an 'X' by using removable plastic tape or paste; do not mark heat absorbing or reflective glass units.

B. Remove and replace glass that is damaged during construction period prior to Date of Substantial Completion.

END OF SECTION 08 8000

SECTION 09 6500
RESILIENT FLOORING
(TROLLWOOD PERFORMING ARTS)

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Resilient sheet flooring.

B. Resilient base.

C. Installation accessories.

1.02 REFERENCE STANDARDS

A. ASTM F1303 - Standard Specification for Sheet Vinyl Floor Covering with Backing; 2004 (Reapproved 2021).

B. ASTM F1861 - Standard Specification for Resilient Wall Base; 2021.

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

1.03 SUBMITTALS

A. See Section 01 3000 - Administrative Requirements for submittal procedures.

B. Product Data: Provide data on specified products, describing physical and performance characteristics; including sizes, patterns and colors available; and installation instructions.

C. Selection Samples: Submit manufacturer's complete set of color samples for Architect's initial selection.

D. Verification Samples: Submit two samples, 12 by 12 inch in size illustrating color and pattern for each resilient flooring product specified.

1.04 DELIVERY, STORAGE, AND HANDLING

A. Upon receipt, immediately remove any shrink-wrap and check materials for damage and the correct style, color, quantity and run numbers.

B. Store all materials off of the floor in an acclimatized, weather-tight space.

C. Protect roll materials from damage by storing on end.

1.05 FIELD CONDITIONS

A. Store materials for not less than 48 hours prior to installation in area of installation at a temperature of 70 degrees F to achieve temperature stability.

PART 2 PRODUCTS

2.01 SHEET FLOORING

A. Vinyl Sheet Flooring: Color and pattern throughout wear layer thickness, with backing.
   1. Manufacturers:
      a. Mannington Commercial: www.manningtoncommercial.com#sle.
      b. Substitutions: See Section 01 6000 - Product Requirements.
   2. Minimum Requirements: Comply with ASTM F1303, Type II, with Class A fibrous backing.
   3. Wear Layer Thickness: 0.050 inch minimum.
   4. Total Thickness: 0.080 inch minimum.
   5. Pattern: Choose Cost Effective for small space called out.
   6. Color: To be selected by Architect from manufacturer's standard range.

2.02 RESILIENT BASE

A. Resilient Base: ASTM F1861, Type TV, vinyl, thermoplastic; Style B, Cove.
   1. Manufacturers:
      a. Flexco Corporation; Base Sculptures: www.flexcofloors.com/#sle.

b. Johnsonite, a Tarkett Company: www.johnsonite.com/#sle.
c. Mannington Commercial: www.manningtoncommercial.com#sle.

2. Height: 4 inches.
3. Thickness: 0.125 inch.
4. Finish: Satin.
5. Length: Roll.
6. Color: To be selected by Architect from manufacturer's full range.

2.03 ACCESSORIES

A. Adhesive for Vinyl Flooring:

B. Moldings, Transition and Edge Strips: Metal.
1. Manufacturers:
a. Mannington Commercial: www.manningtoncommercial.com#sle.
b. Schluter-Systems; VinPro: www.schluter.com/#sle.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that surfaces are flat to tolerances acceptable to flooring manufacturer, free of cracks that might telegraph through flooring, clean, dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with bonding of flooring to substrate.

3.02 PREPARATION

A. Remove existing resilient flooring and flooring adhesives.

B. Prepare floor substrates as recommended by flooring and adhesive manufacturers.

C. Prohibit traffic until filler is fully cured.

D. Clean substrate.

3.03 INSTALLATION - GENERAL

A. Starting installation constitutes acceptance of subfloor conditions.

B. Install in accordance with manufacturer's written instructions.

C. Adhesive-Applied Installation:
1. Spread only enough adhesive to permit installation of materials before initial set.
2. Fit joints and butt seams tightly.
3. Set flooring in place, press with heavy roller to attain full adhesion.

3.04 INSTALLATION - SHEET FLOORING

A. Lay flooring with joints and seams parallel to longer room dimensions, to produce minimum number of seams. Lay out seams to avoid widths less than 1/3 of roll width; match patterns at seams.

3.05 INSTALLATION - RESILIENT BASE

A. Fit joints tightly and make vertical. Maintain minimum dimension of 18 inches between joints.

B. Install base on solid backing. Bond tightly to wall and floor surfaces.

3.06 CLEANING

A. Remove excess adhesive from floor, base, and wall surfaces without damage.

B. Clean in accordance with manufacturer's written instructions.

3.07 PROTECTION

A. Prohibit traffic on resilient flooring for 48 hours after installation.

END OF SECTION 09 6500

EAGLES ELEMENTARY SCHOOL
SITE IMPROVEMENTS

3502 SOUTH UNIVERSITY DRIVE
FARGO, NORTH DAKOTA 58104

OWNER'S REPRESENTATIVE
ICON ARCHITECTURAL GROUP
ALYSSA OMMEN, PROJECT ARCHITECT
3187 BLUESTEM DRIVE, SUITE 2
WEST FARGO, ND 58078
PH: 701-364-4007
EMAIL: alyssa.ommen@iconarchitects.com

CIVIL ENGINEER
LOWRY ENGINEERING
DREW MESSMER, P.E.
5306 51ST AVENUE SOUTH, SUITE A
FARGO, ND 58104
PH: 701-235-0199
EMAIL: dmessmer@lowryeng.com

ICON ARCHITECTURAL GROUP
4000 GARDEN VIEW DRIVE, SUITE 101
GRAND FORKS, ND 58201
P. 701.772.4266 | F. 701.772.4275
WWW.ICONARCHITECTS.COM

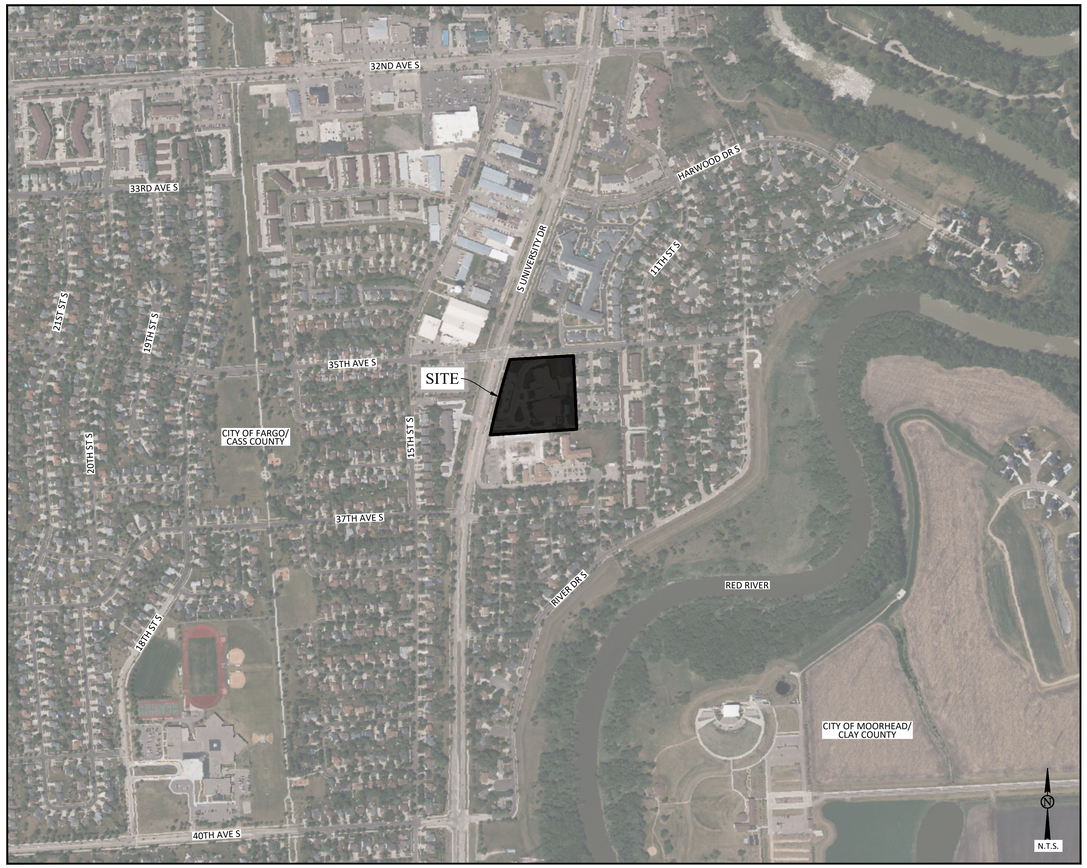
SITE INFORMATION	
SURVEY INFORMATION	
DATE OF SURVEY	NOVEMBER 26, 2024
COORDINATE SYSTEM	CITY OF FARGO
DRAWING UNITS	US SURVEY FEET
VERTICAL DATUM	NAVD 88

BENCHMARK #1:
THE TOP NUT OF EX. HYDRANT NORTH OF THE PLAYGROUND IMPROVEMENTS AND ON THE SOUTH SIDE OF 35TH AVENUE SOUTH ROW.
ELEV.=906.00 (NAVD88)

BENCHMARK #2:
THE TOP NUT OF EX. HYDRANT NORTHWEST OF THE PLAYGROUND IMPROVEMENTS AND ON THE SOUTH SIDE OF 35TH AVENUE SOUTH ROW.
ELEV.=905.59 (NAVD88)

BASIS OF BEARING: CITY OF FARGO COORDINATE SYSTEM (NAD83)

VICINITY MAP



SHEET INDEX	
E-C1	COVER SHEET
E-C2	GENERAL NOTES & LEGEND
E-C3	SURVEY OVERLAY & DEMOLITION PLAN
E-C4	OVERALL SITE PLAN
E-C5	GRADING & UTILITY PLAN
E-C6	EROSION & SEDIMENT CONTROL PLAN
E-C7	DETAILS
E-C8	DETAILS

FARGO PUBLIC SCHOOLS

EAGLES ELEMENTARY
3502 S UNIVERSITY DR
FARGO, ND 58104

CIVIL
LOWRY ENGINEERING
5306 51ST AVE S STE A
FARGO, ND 58104
(701) 235.0199 OFFICE

REGISTERED PROFESSIONAL ENGINEER
DREW MESSMER
PE-10221
DATE: 12/18/24
NORTH DAKOTA

DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/30/24

DRAWN BY: JT / KD JN: 24-060

COVER SHEET EAGLES

SHEET
E-C1

LOWRY ENGINEERING
5306 51ST AVENUE SOUTH - SUITE A
FARGO, NORTH DAKOTA 58104
LE #24007.13.2

CALL BEFORE YOU DIG
NORTH DAKOTA
UTILITIES UNDERGROUND LOCATION SERVICE
1-800-795-0555

GENERAL NOTES:
1. SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES ON THE DRAWINGS, OR IN THE FIELD PRIOR TO BEGINNING WORK OR DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER & ENGINEER.
2. A COMPLETE SET OF APPROVED DRAWINGS MUST BE MAINTAINED ON SITE AT ALL TIMES BY THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS.
3. CHANGES TO APPROVED PLANS SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE OWNER AND ENGINEER.
4. CHANGES TO APPROVED PLANS ON PUBLIC PROPERTY SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL FROM THE CITY OF FARGO.
5. ALL SITE AND RIGHT-OF-WAY CONSTRUCTION SHALL MEET CITY OF FARGO STANDARD SPECIFICATIONS LATEST REVISION. IN THE CASE OF A DISCREPANCY BETWEEN THE PLANS AND SPECIFICATIONS, THE PLANS SHALL GOVERN.
6. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING & VERIFYING ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION & IS RESPONSIBLE FOR ANY DAMAGE TO THEM DURING CONSTRUCTION. CONTRACTOR SHALL CONTACT THE LOCAL ONE-CALL SYSTEM AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.
7. ANY WORK ON EXISTING CITY OWNED UTILITIES SHALL REQUIRE NOTIFICATION TO THE CITY OF FARGO BY THE CONTRACTOR 24 HOURS PRIOR TO COMMENCING WORK.
8. THE CONTRACTOR SHALL COMPLY WITH ALL RULES & REGULATIONS OF FEDERAL, STATE, COUNTY, & LOCAL AUTHORITIES.
9. THE CONTRACTOR IS REQUIRED TO MEET ALL APPLICABLE FEDERAL, OSHA, STATE, AND LOCAL REGULATIONS CONCERNING PROJECT SAFETY AND ASSUMES FULL RESPONSIBILITY FOR SAFETY ON THE PROJECT.
10. CONTRACTOR SHALL VERIFY THAT ALL NECESSARY PERMITS FOR CONSTRUCTION HAVE BEEN OBTAINED, ALL BONDS ARE PAID AND PROOF OF INSURANCE IS PROVIDED PRIOR TO THE START OF THE PROJECT.
11. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL HORIZONTAL AND VERTICAL CONTROLS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEY AND RELATED COSTS.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR HIS/HER OWN MEASUREMENTS AND QUANTITIES. ENGINEER QUANTITIES ARE ESTIMATES ONLY.
13. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF UNDERGROUND UTILITIES BY THE APPROPRIATE UTILITY ENTITY. PROPER COORDINATION WITH THE RESPECTIVE UTILITY ENTITIES SHALL BE PERFORMED BY THE CONTRACTOR TO INSURE THAT ALL UTILITY ENTITY STANDARDS FOR MATERIAL AND METHODS ARE MET. THE GENERAL CONTRACTOR SHALL OVERSEE INSTALLATION OF UTILITIES AND COORDINATE WITH ALL SUBCONTRACTORS TO AVOID CONFLICTS.
14. THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE OWNER FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES.
15. THE CONTRACTOR SHALL PROVIDE TESTING, INSPECTIONS, AS-BUILT DRAWINGS, CERTIFICATIONS AND ANY OTHER PROCEDURES OR DOCUMENTATION REQUIRED BY THE GOVERNING AGENCIES TO CLOSE OUT THE PROJECT.
16. THE CONTRACTOR SHALL RESTORE ANY STRUCTURES, PIPE, UTILITY, PAVEMENT, CURBS SIDEWALKS, LANDSCAPED ARES, ETC. WITHIN THE SITE OR ADJOINING PROPERTIES DISTURBED DURING DEMOLITION OR CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER, AND TO THE SATISFACTION OF THE OWNER/JURISDICTIONAL AUTHORITY.
17. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL STRIPPING, RUBBISH, TRASH, DEBRIS, ORGANIC, AND EXCESS EXCAVATED MATERIAL IN A LAWFUL MANNER.
18. FOR THE PURPOSES OF CONSTRUCTION SURVEY, ALL BUILDING DIMENSIONS SHALL BE VERIFIED WITH STRUCTURAL AND ARCHITECTURAL PLANS.
19. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SHOP DRAWINGS TO THE ENGINEER FOR REVIEW OF ALL APPLICABLE PRODUCTS AND MATERIALS BEING USED FOR CONSTRUCTION.
20. ALL UNDERGROUND WORK IN THE DIRECT VICINITY OF THE BUILDING OR NEW PAVEMENT SHALL BE COMPLETED PRIOR TO COMPLETION OF SUBGRADE PREPARATION AND START OF ROADWAY WORK INCLUDING BUT NOT LIMITED TO INSTALLATION OF FABRIC, GRAVEL, PAVING , ETC.
21. EXCAVATION OR OTHER WORK IN THE RIGHT-OF-WAY SHALL REQUIRE A TRAFFIC CONTROL PLAN THAT MEETS ALL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REQUIREMENTS. THIS PLAN IS REQUIRED BEFORE ANY PERMITS TO WORK IN THE RIGHT-OF-WAY WILL BE ISSUED.

GRADING NOTES:
1. LOCATION AND TOP ELEVATIONS OF INLETS AND STRUCTURES MAY NEED TO BE ADJUSTED IN THE FIELD BY THE CONTRACTOR WHERE NECESSARY AND SHALL BE APPROVED BY THE ENGINEER. CONTRACTOR SHALL NOTE ANY CHANGES IN AS-BUILT DRAWINGS.
2. IF UNSUITABLE SUBGRADE MATERIALS ARE ENCOUNTERED, THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT (FROM OFF-SITE BORROW MATERIAL) OF ALL UNSUITABLE MATERIAL TO CLASSIFIED AS MH, CH, OH, OL AND PEAT IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, UNLESS APPROVED IN WRITING BY THE PROJECT ENGINEER. THE SITE ENGINEER SHALL BE NOTIFIED IMMEDIATELY UPON ENCOUNTERING UNSUITABLE SUBGRADE MATERIAL.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATIONS AND GRADING INCLUDING FURNISHING OFF-SITE BORROW AND DISPOSING OF EXCESS MATERIAL AS REQUIRED TO MEET PLAN GRADES. OFF SITE BORROW SHALL MEET ALL REQUIREMENTS OF THE CITY OF FARGO STANDARD SPECIFICATIONS.
4. COMPACTION LIFTS AND TESTING SHALL BE PER CITY OF FARGO REQUIREMENTS IN TRENCHING, SUB-BASE, BASE, AND PAVING MATERIALS. SUB-BASE LIFTS SHALL NOT EXCEED 12". BASE LIFTS SHALL NOT EXCEED 6".
5. GRADE TO ENSURE POSITIVE DRAINAGE. ALL FINISHED SURFACES SHALL BE FREE FROM SURFACE IRREGULARITIES.

PAVING NOTES:
1. ALL PAVEMENT SECTION MATERIALS AND INSTALLATION SHALL MEET THE REQUIREMENTS OF CITY OF FARGO.
2. AGGREGATE BASE COURSE SHALL MEET THE REQUIREMENTS OF CITY OF FARGO.
3. CONCRETE FOR FLAT WORK SHALL BE A BATCH PLANT MIX MEETING THE REQUIREMENTS OF THE NDDOT STANDARD SPECIFICATIONS. (MINIMUM 4,000 PSI)
4. HOT BITUMINOUS PAVEMENT SHALL BE A PLANT MIX MEETING THE REQUIREMENTS OF THE NDDOT STANDARD SPECIFICATIONS (LATEST EDITION).
5. PAINTED PARKING STRIPING SHALL BE WATER BASED 4" IN WIDTH YELLOW STRIPES AND BE LOCATED AS SHOWN ON THE PLANS. ACCESSIBLE PARKING STRIPING SHALL BE BLUE AND PER ADA REQUIREMENTS. GORE AREA LINES SHALL BE PAINTED AT 45 DEGREES AND SHALL HAVE A SPACING OF 3'. CURE COMPOUND SHALL BE REMOVED BY SANDBLASTING, GRINDING, OR OTHER APPROVED METHOD BEFORE INSTALLATION OF PAVEMENT MARKINGS ON CONCRETE TO ENSURE PROPER ADHESION OF THE PAINT. ALL WORK SHALL BE IN ACCORDANCE WITH THE NDDOT REQUIREMENTS.
6. THE CONTRACTOR SHALL SUBMIT A JOINTING PLAN FOR CONCRETE PAVEMENT TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. IF NO JOINTING PLAN IS SUBMITTED, THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR JOINTING LAYOUT.

STORM SEWER & DRAINAGE NOTES:
1. INVERTS SHOWN ON PLAN DRAWINGS ARE PIPE INVERTS UNLESS NOTED OTHERWISE.
2. ANY SUBSTITUTION FOR MATERIALS OR PROCEDURES MUST HAVE PRIOR WRITTEN APPROVAL OF THE CITY AND THE PROJECT ENGINEER.
3. THE CITY OF FARGO INSPECTIONS DEPARTMENT MUST BE NOTIFIED TO INSPECT THE CONNECTION OF THE SITE STORMWATER SYSTEM TO THE CITY STORMWATER SYSTEM. ENSURE THE EXCAVATION IS KEPT OPEN FOR INSPECTION.

EROSION & SEDIMENT CONTROL / SWPPP NOTES
1. IF THE LAND BOUNDARY DENOTED ON THE PLANS ENCOMPASSES MORE THAN 1 ACRE, A NOTICE OF INTENT TO OBTAIN A STORM WATER POLLUTION CONTROL PERMIT SHALL BE ACQUIRED BY THE CONTRACTOR AND OWNER FROM THE NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY 7 DAYS PRIOR TO CONSTRUCTION. THIS NOTICE OF INTENT SHALL BE PROVIDED WITH THE BUILDING PERMIT APPLICATION. CONTRACTOR IS RESPONSIBLE FOR NOI SUBMITTAL.
2. COPY OF NOI, COVERAGE LETTER FROM THE DOH AS WELL AS ALL MAINTENANCE AND INSPECTION RECORDS TO BE KEPT ON SITE AND AVAILABLE FOR REVIEW BY CITY, STATE OR FEDERAL OFFICIALS UPON REQUEST.
3. CONTRACTOR SHALL HAVE AN UPDATED SWPPP AVAILABLE ON SITE ANYTIME WORK IS BEING DONE. THIS DOCUMENT SHALL BE AVAILABLE FOR REVIEW BY CITY, STATE OR FEDERAL OFFICIALS UPON REQUEST. THE SWPPP SHALL BE IN ACCORDANCE WITH THE NORTH DAKOTA GENERAL PERMIT NO. NDR-11-0000 AND THE PLANS. THE ESC PLAN IS THE ENGINEER'S RECOMMENDATION FOR EROSION AND SEDIMENT CONTROL BASED ON THE DESIGN OF THE PROPOSED SITE. THIS DESIGN DOES NOT TAKE INTO EFFECT CONTRACTOR MEANS AND METHODS, CONSTRUCTION SCHEDULE, OR ORDER OF OPERATIONS. CONTRACTOR IS EXPECTED TO ADJUST DESIGN AS IS NECESSARY TO MEET THE REQUIREMENTS OF THE GENERAL PERMIT.
4. CONTRACTOR IS RESPONSIBLE FOR ALL EROSION AND SEDIMENT CONTROL ON THE SITE. THIS INCLUDES BUT IS NOT LIMITED TO STORM WATER EROSION, EROSION FROM PUMPING OPERATIONS, OFF SITE TRACKING, DUST CONTROL AND CONTROL OF ANY CONCRETE GRINDINGS OR SAW CUT DUST. CONTRACTOR IS ALSO RESPONSIBLE FOR ALL OTHER ITEMS AS REQUIRED IN THE GENERAL PERMIT.
5. INSPECTIONS SHALL BE COMPLETED AND DOCUMENTED BY THE CONTRACTOR AT LEAST ONCE EVERY 14 DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN ½" IN 24 HOURS. A RAIN GAUGE SHALL BE ONSITE AND USED TO MAKE THIS DETERMINATION.
6. SITE SHALL BE STABILIZED WITHIN 14 DAYS OF COMPLETION OF WORK OR WITHIN 14 DAYS OF SUSPENSION OF WORK PER THE GENERAL PERMIT.
7. ALL EROSION AND SEDIMENT RELATED CONTROL AND ITEMS NEED TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS UNLESS OTHERWISE DICTATED IN THE PLANS.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL EXCESS TOPSOIL, EXCAVATED MATERIAL, RUBBISH, TRASH, DEBRIS, AND ORGANIC MATERIAL CONSISTENT WITH LOCAL LAW AND WITH THE GENERAL PERMIT.
9. CONTRACTOR IS RESPONSIBLE FOR ALL DE-WATERING AS NECESSARY TO MEET REQUIRED EXCAVATIONS AND GRADES. MUDDY WATER TO BE PUMPED FROM EXCAVATION AND WORK AREAS MUST BE HELD IN SETTLING BASINS OR FILTERED PRIOR TO ITS DISCHARGE INTO SURFACE WATERS OR STORM DRAINAGE SYSTEMS. WATER MUST BE DISCHARGED THROUGH A PIPE, WELL GRASSED OR LINED CHANNEL, OR OTHER EQUIVALENT MEANS SUCH THAT DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENTATION. THIS INCLUDES DE-WATERING OF RAINWATER, GROUND WATER, OR ANY OTHER WATER ON SITE CAUSING IMPACTS TO SITE CONSTRUCTION.
10. ALL DISTURBED AREAS SHALL BE SEEDED AND HYDROMULCHED UNLESS SHOWN OTHERWISE IN THE PLANS.
11. TOP SOIL OR OTHER SOIL/CLAY STOCKPILES ARE NOT TO BE LOCATED WITHIN FLOW PATHS, BASES OF ALL STOCKPILES SHALL BE SURROUNDED WITH SILT FENCE.
12. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE, SEDIMENT REMOVAL/CLEANING, AND REPLACEMENT AS REQUIRED FOR ALL EROSION AND SEDIMENT CONTROL ITEMS.
13. CONTRACTOR IS RESPONSIBLE FOR SWEEPING AND CLEANING ANY SEDIMENT TRACKED ONTO ADJACENT ROADWAYS DURING CONSTRUCTION AS NEEDED TO KEEP STREETS CLEAR OF SEDIMENT.
14. EROSION CONTROL BLANKET SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS FOR LAYDOWN PATTERN, REQUIRED OVERLAP WIDTH, TRENCHING, STAPLE PATTERN, ETC.
15. CHEMICAL STORAGE ONSITE SHALL BE IN COMPLIANCE WITH THE GENERAL PERMIT.
16. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF INLET PROTECTION THROUGHOUT THE DIFFERENT PHASES OF CONSTRUCTION REGARDLESS OF THE TYPE OF PROTECTION. THE QUANTITY FOR ONE (1) INLET PROTECTION SHALL COVER INSTALLATION, CLEANING, REPLACEMENT, ETC. FROM THE TIME THE MANHOLE IS SET UNTIL FINAL STABILIZATION OF THE ENTIRE AREA DRAINING TO THE INLET. FOR EXAMPLE: ONE (1) INLET PROTECTION QUANTITY MAY COVER BUT IS NOT LIMITED TO: SILT FENCE AROUND MANHOLE PRIOR TO LID AND CASTING BEING INSTALLED, REMOVAL OF SILT FENCE AROUND MANHOLE AFTER CASTING HAS BEEN INSTALLED, INSTALLATION OF DEVICE SUCH AS DANDY SACK INSIDE CASTING, REMOVAL OF SEDIMENT FROM DANDY SACK, REMOVAL OF DANDY SACK FROM CASTING AFTER ALL UPSTREAM AREAS ARE STABILIZED.
17. OWNER SHALL REFER TO THE STORMWATER MANAGEMENT PLAN FOR MAINTENANCE REQUIREMENTS OF THE PERMANENT STORMWATER QUANTITY/QUALITY CONTROL MEASURES.

DEMOLITION NOTES:
1. CONCRETE CURB AND GUTTER TO BE REMOVED SHALL BE SAW CUT IN FULL SECTIONS.
2. CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT FOR REMOVAL. PAVEMENT SHALL BE REMOVED IN FULL SECTIONS.
3. LIMITS OF STREET PATCHING AND PATCHING REQUIREMENTS SHALL BE VERIFIED WITH THE CITY OF FARGO.

SEEDING NOTES:
1. ALL SEEDING MIX SHALL CONSIST OF THE FOLLOWING:
   -PERENNIAL RYEGRASS = 50 LBS OF LIVE SEED PER ACRE
   -PARK KENTUCKY BLUEGRASS = 50 LBS OF LIVE SEED PER ACRE
   -DURAHARD FESCUE = 30 LBS OF LIVE SEED PER ACRE
   -TOTAL LBS PER ACRE = 130
   -FERTILIZER TYPE = 5-10-5
   -FERTILIZER APPLICATION RATE = 50 LBS PER ACRE
2. CULTIVATE OR DISK TOPSOIL TO A DEPTH OF APPROXIMATELY 3".
3. REMOVE MATERIALS GREATER THAN 1" IN DIAMETER THAT CANNOT BE BROKEN UP.
4. PLANT SEEDS TO A DEPTH BETWEEN ¼" AND ½".
5. SEED ONLY WHEN WIND IS LESS THAN 15 MPH WHEN NOT USING A GRASS DRILL.
6. MULCHING SHALL BE USED IMMEDIATELY AFTER SEEDING TO PREVENT EROSION AND PROMOTE EARLIER VEGETATION COVER.
7. CONTRACTOR IS RESPONSIBLE FOR WATERING TO ESTABLISH GRASS GROWTH TO A HEIGHT OF 3" AND COVERAGE OF 90%.

TEMPORARY TRAFFIC CONTROL NOTES:
1. UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AN ATSSA CERTIFIED TRAFFIC CONTROL SUPERVISOR (TCS) AND ANY NECESSARY TEMPORARY TRAFFIC CONTROL DEVICES ON AND OFF-SITE INCLUDING OBTAINING ANY APPLICABLE PERMITS. THE CONTRACTOR SHALL IDENTIFY THE TCS AND PROVIDE PROOF OF CERTIFICATION AT A PRECONSTRUCTION MEETING.
2. UNLESS A TEMPORARY TRAFFIC CONTROL PLAN IS INCLUDED WITH THE DESIGN DOCUMENTS, CONTRACTOR SHALL SUBMIT A COPY OF THE APPROVED TRAFFIC CONTROL PLAN TO THE ENGINEER FOR REVIEW.
3. CONTRACTOR IS RESPONSIBLE TO INSTALL, INSPECT, MAINTAIN, AND REMOVE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE LATEST STANDARDS AND REQUIREMENTS OF THE MUTCD, STANDARD HIGHWAY SIGNS AND MARKINGS BOOK PUBLISHED BY THE FHWA, AND LOCAL REGULATIONS.
4. CHANGES TO THE TEMPORARY TRAFFIC CONTROL PLAN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE OWNER, ENGINEER, AND PERMITTING AUTHORITY IF APPLICABLE.

LEGEND

EX. LIGHT POLE	NEW PROPERTY PIN SET	EX. BUILDING FOOTPRINT
NEW LIGHT POLE	EX. PROPERTY PIN FOUND	NEW BUILDING FOOTPRINT
EX. POWER POLE	RIGHT OF WAY MARKER	EX. FIBER OPTIC
EX. GUY-LINE	PROJECT BENCHMARK	EX. GAS LINE
EX. CLEAN OUT	BORING LOCATION	NEW GAS LINE
NEW CLEAN OUT	HIGH WATER LINE	EX. ELECTRIC
EX. SANITARY MANHOLE	PARKING COUNT	NEW ELECTRIC
NEW SANITARY MANHOLE	DOWN SPOUT	EX. OVERHEAD ELECTRIC
EX. STORM MANHOLE	BOLLARD	EX. CABLE TV
NEW STORM MANHOLE	EX. FENCE	EX. TELEPHONE
EX. STORM CATCH BASIN	NEW FENCE	EX. CONTOUR
NEW STORM CATCH BASIN	EX. GUARDRAIL	NEW CONTOUR
EX. CULVERT FLARED END	SET BACK	GRADE BREAK/FLOW PATH
NEW CULVERT FLARED END	EX. EASEMENT	CENTER LINE/SECTION LINE
DRAINAGE FLOW DIRECTION	NEW EASEMENT	NEW TRACKS
EX. GATE VALVE	EX. PROPERTY LINE	EX. TRACKS
NEW GATE VALVE	NEW ROW/PROPERTY LINE	EX. ASPHALT PAVEMENT
EX. WATERLINE FITTINGS	PROPERTY BOUNDARY LINE	NEW ASPHALT PAVEMENT
NEW WATERLINE FITTINGS	EX. CURB	EX. CONCRETE PAVEMENT
NEW TAPPING SLEEVE & VALVE	NEW CURB(INFLOW)	NEW CONCRETE PAVEMENT
EX. HYDRANT	NEW CURB(OUTFLOW)	EX. GRAVEL SURFACE
NEW HYDRANT & VALVE	EX. RETAINING WALL	NEW GRAVEL SURFACE
PIPE INSULATION	NEW RETAINING WALL	EX. SIDEWALK/FLATWORK
EX. SIGN	EX. SANITARY SEWER	NEW SIDEWALK/FLATWORK
NEW SIGN	NEW SANITARY SEWER	ACCESSIBLE (ADA) RAMP WITH TRUNCATED DOME PANEL
EX. STUMP	EX. SANITARY FORCE MAIN	STRIPING CROSSWALK
EX. SHRUB	NEW SANITARY FORCE MAIN	STRIPING ADA ACCESSIBLE
EX. DECIDUOUS TREE	EX. WATER	STRIPING TURN ARROWS
EX. CONIFEROUS TREE	NEW WATER	SEEDING & HYDROMULCH
EX. ELECTRICAL TRANSFORMER	EX. STORM SEWER	SEEDING & EROSION CONTROL BLANKET
EX. UTILITY PEDISTAL	NEW STORM SEWER	
ELEC MANHOLE EXIST	EX. DRAIN TILE	
	NEW DRAIN TILE	
	EX. STORM FORCE MAIN	
	NEW STORM FORCE MAIN	
	SILT FENCE	

ABBREVIATIONS

ADJ	ADJACENT	ELEV	ELEVATION	PVIE	POINT OF VERTICAL INTERSECTION ELEVATION
ALT	ALTERNATE	ENCL	ENCLOSURE	PVIS	POINT OF VERTICAL INTERSECTION STATION
ARCH	ARCHITECT	E.O.P.	END OF PROJECT	PREFAB	PREFABRICATED
ACP	ASBESTOS CEMENT PIPE	E.J.	EXPANSION JOINT	PSI	POUNDS PER SQUARE INCH
BIT	BITUMINOUS	EX.	EXISTING	PVC	POLYVINYL CHLORIDE PIPE
BLDG	BUILDING	EX.A.	EACH WAY	PP	POWER POLE
BM	BENCHMARK	EVCE	END VERTICAL CURVE ELEVATION	R	RADIUS
B.O.	BY OWNER/BY OTHERS	EVCS	END VERTICAL CURVE STATION	RCP	REINFORCED CONCRETE PIPE
B.O.P.	BEGINNING OF PROJECT	FD	FIRE DEPARTMENT	RD	ROOF DRAIN
BV	BUTTERFLY VALVE	FFE	FIRST FLOOR ELEVATION	REQ'D	REQUIRED
BVCE	BEGINNING VERTICAL CURVE ELEVATION	FO	FIBER OPTICS	RIM	RIM OF INLET OR CASTING
BVCS	BEGINNING VERTICAL CURVE STATION	FTG	FOOTING	ROW	RIGHT OF WAY
C	CIVIL	G.C.	GENERAL CONTRACTOR	SAN	SANITARY
B.P.	CAST IRON	GALV	GALVANIZED	SS	SANITARY SEWER
CIP	CAST IRON PIPE	GAL	GALLON	ST	STORM
CU	COPPER	GRAN	GRANULAR	STD	STANDARD
CMP	CORRUGATED METAL PIPE	GV	GATE VALVE	SB	SOIL BORING
CJ	CONTROL JOINT	HDPE	HIGH DENSITY POLYETHYLENE	STRUCT	STRUCTURAL
CONC	CONCRETE	HORZ	HORIZONTAL	SF	SQUARE FEET
CF	CUBIC FEET	HB	HOSE BIB	SCH	SCHEDULE
CS	CURB STOP	HDCP	HANDICAPPED	SW	SIDEWALK
C.O.	CLEAN OUT	HYD	HYDRANT	T	TELEPHONE
CNTR	CENTER	I	INLET	TYP	TYPICAL
CONST	CONSTRUCTION	K	CURVATURE VALUE	UNEX	UN-EXCAVATED
CONTR	CONTRACTOR	M	MECHANICAL	UE	UTILITY EASEMENT
CY	CUBIC YARD	MH	MANHOLE	UGE	UNDERGROUND ELECTRIC
DIA	DIAMETER	MAX	MAXIMUM	UNO	UNLESS NOTED OTHERWISE
DIP	DUCTILE IRON PIPE	MIN	MINIMUM	VERT	VERTICAL
DEMO	DEMOLITION	M.J.	MECHANICAL JOINT	V	VERIFY
DTL	DETAIL	MISC.	MISCELLANEOUS	VCL	VERTICAL CURVE LENGTH
DIM	DIMENSION	NC	NON-CORROSIVE	VOL	VOLUME
DOM	DOMESTIC	NOM	NOMINAL	VCP	VITRIFIED CLAY PIPE
D.S.	DOWN SPOUT	NIC	NOT IN CONTRACT	W/	WITH
DWG	DRAWING	NTS	NOT TO SCALE	W/O	WITH OUT
DWL	DOWEL	OD	OUTSIDE DIMENSION	WTH	WIDTH
EA	EACH	OCEW	ON CENTER EACH WAY	W	WATER
ELEC	ELECTRIC	OC	ON CENTER		
		OHE	OVERHEAD ELECTRIC		
		P.C.	PRECAST CONCRETE		

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4000 GARDEN VIEW DRIVE, SUITE 101
GRAND FORKS, ND 58201
P. 701.772.4266 | F. 701.772.4275
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EAGLES ELEMENTARY
3502 S UNIVERSITY DR
FARGO, ND 58104

CIVIL
LOWRY ENGINEERING
5306 51ST AVE S STE A
FARGO, ND 58104
(701) 235.0199 OFFICE

REGISTERED PROFESSIONAL ENGINEER
PE-10221
DATE: 12/18/24
NORTH DAKOTA

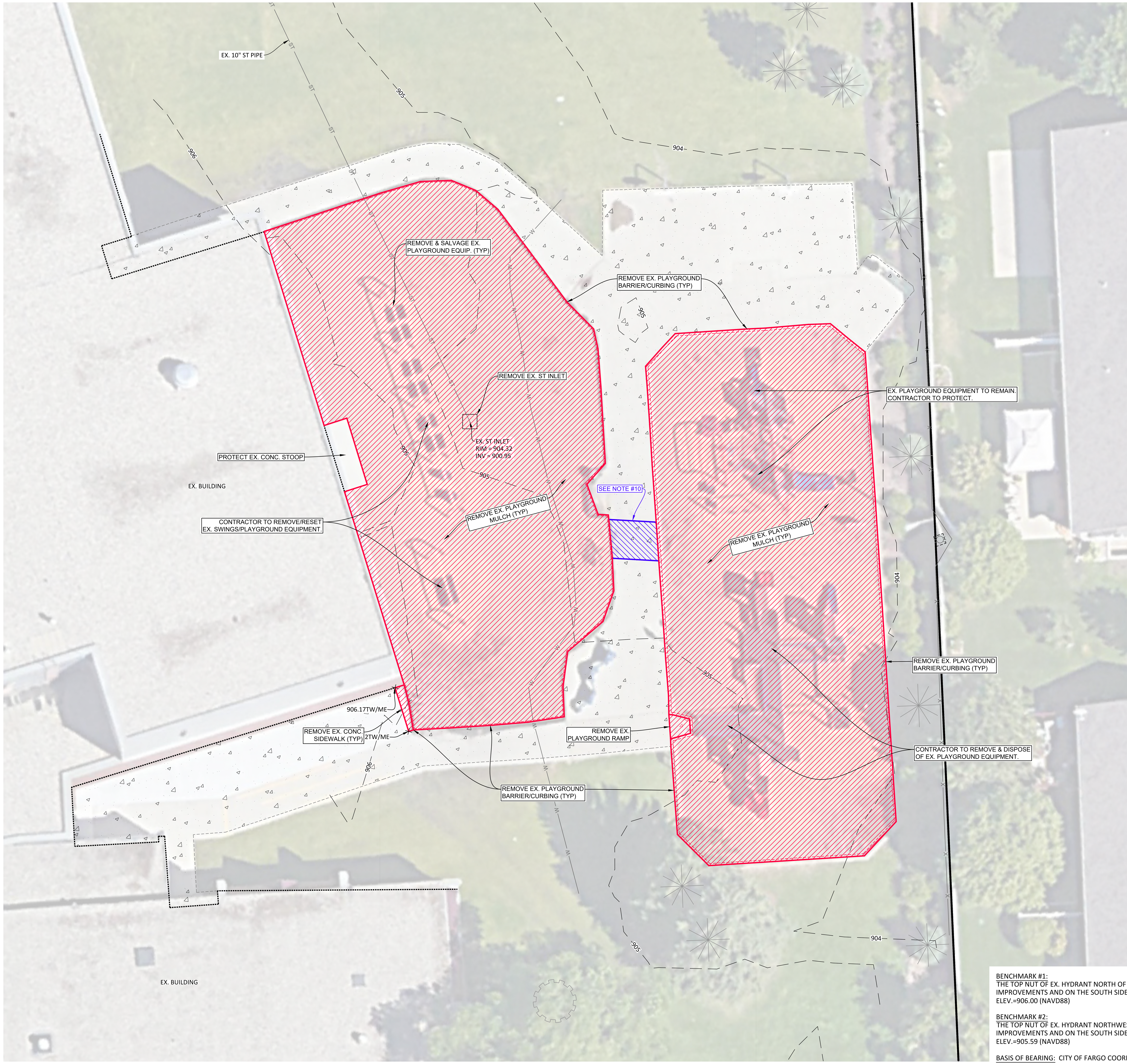
DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/30/24

DRAWN BY: JT / KD
JN: 24-060

GENERAL NOTES & LEGEND
EAGLES

SHEET
E-C2



ALTERNATE #1 - DEMOLITION CALLOUTS		
ITEM	QUANTITY	UNIT
REMOVE EX. PLAYGROUND BARRIER	520	LF
REMOVE EX. PLAYGROUND MULCH	1,160	SY
REMOVE EX. PLAYGROUND EQUIPMENT	1	LS
REMOVE EX. PLAYGROUND RAMP	1	EA
REMOVE EX. CONCRETE SIDEWALK	2	SY
REMOVE EX. STORM DRAIN INLET	1	ES

- REMOVAL AREAS

- CONTRACTOR DETERMINED REMOVAL & REPLACEMENT AREAS

ALTERNATE #1 NOTES:

1. IF THE ALTERNATIVE PLAYGROUND IMPROVEMENTS ARE CHOSEN FOR THE EXISTING PLAYGROUND AREAS, THE CONTRACTOR SHALL COORDINATE WITH FARGO PUBLIC SCHOOLS ON THE EXACT LOCATIONS FOR THE SALVAGED/NEW PLAYGROUND EQUIPMENT TO BE REINSTALLED.
2. QUANTITIES ARE ENGINEERS ESTIMATES ONLY. CONTRACTOR SHALL DETERMINE THEIR OWN QUANTITIES AND BID ACCORDINGLY.
3. EXISTING CONDITIONS SHOWN ARE BASED ON OBSERVATIONS AT THE TIME THE SURVEY WAS COMPLETED. THE CONTRACTOR IS ENCOURAGED TO VISIT THE SITE IN ORDER TO BID APPROPRIATELY. QUANTITIES SHOWN AS ESTIMATES.
4. DEPTH OF EXISTING DRY UTILITIES ARE UNKNOWN. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR CROSSINGS AND IMPACTS.
5. EXISTING PAVEMENT DEPTHS ARE UNKNOWN. CONTRACTOR SHALL SAW CUT AND REMOVE EXISTING PAVEMENT AREAS IN FULL SECTIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY TO EVALUATE OR RESOLVE THE ISSUE.
6. CONTRACTOR SHALL SAW CUT AND REPLACE ANY EXISTING PAVEMENT DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST.
7. ANY PLATFORMS OR PLAY ELEMENTS WITHIN 2'-6" A.F.F. OF THE INTENDED FINISHED SURFACE ELEVATION SHALL BE DISMANTLED, & STORED/PROTECTED & REINSTALLED. ALL VERTICAL STRUCTURAL POLES SHALL REMAIN IN PLACE.
8. CONCRETE CONTRACTOR TO SAW CUT OR FIELD FORM DIAMONDS AT EACH EXISTING VERTICAL POLE (1'-6" X 1'-6"). THESE DIAMOND AREAS TO BE POURED SEPARATELY. CONTRACTOR TO WRAP EXPANSION JOINT MATERIAL AROUND THE POLES BEFORE POURING CONCRETE.
9. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL DETERMINE THE EXACT AMOUNT OF EXISTING SIDEWALK PAVEMENT TO BE REMOVED AND REPLACED/PATCHED NECESSARY TO CONNECT THE PROPOSED STORM PIPE TO THE EXISTING PLAYGROUND STORM DRAIN INLET, ACCORDING TO THE CONTRACTOR'S AVAILABLE EQUIPMENT AND ABILITY TO INSTALL THE STORM PIPE PIECE. CONTRACTOR IS RESPONSIBLE FOR THEIR OWN QUANTITIES AS IT RELATES TO THE SIZE OF THE NECESSARY OPEN CUT/PATCHING NEEDED FOR THE PROPOSED STORM TIE-IN.
10. DEMOLITION QUANTITIES DO NOT INCLUDE "CONTRACTOR DETERMINED REMOVAL AREAS". CONTRACTOR SHALL REPLACE AREAS TO MATCH EXISTING CROSS SECTIONS AND MATERIALS.
11. TOPOGRAPHIC SURVEY WAS CONDUCTED BY LOWRY ENGINEERING ON NOVEMBER 26, 2024.
12. TOPOGRAPHIC SURVEY WAS COMPLETED DURING WINTER MONTHS. UTILITY LOCATES AND OTHER FEATURES THAT ARE INACCESSIBLE DUE TO WINTER CONDITIONS MAY HAVE LIMITED ACCURACY. CONTRACTOR SHALL VERIFY LOCATIONS/INVERTS PRIOR TO CONSTRUCTION.

BENCHMARK #1:
THE TOP NUT OF EX. HYDRANT NORTH OF THE PLAYGROUND IMPROVEMENTS AND ON THE SOUTH SIDE OF 35TH AVENUE SOUTH ROW.
ELEV.=906.00 (NAVD88)

BENCHMARK #2:
THE TOP NUT OF EX. HYDRANT NORTHWEST OF THE PLAYGROUND IMPROVEMENTS AND ON THE SOUTH SIDE OF 35TH AVENUE SOUTH ROW.
ELEV.=905.59 (NAVD88)

BASIS OF BEARING: CITY OF FARGO COORDINATE SYSTEM (NAD83)

N

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P. 701.772.4266 | F. 701.772.4275
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EAGLES ELEMENTARY
3502 S UNIVERSITY DR
FARGO, ND 58104

CIVIL
LOWRY ENGINEERING
5306 51ST AVE S STE A
FARGO, ND 58104
(701) 235.0199 OFFICE

REGISTERED PROFESSIONAL ENGINEER
DREW MESSNER
PE-40221
DATE: 12/18/24
NORTH DAKOTA

DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/30/24

DRAWN BY: JT / KD
JN: 24-060

SURVEY OVERLAY & DEMOLITION PLAN EAGLES

SHEET
E-C3

ESTIMATED SITE QUANTITIES*		
ITEM	QUANTITY	UNIT
THICKENED EDGE SIDEWALK	110	LF
CONCRETE SIDEWALK - FLATWORK 4"	80	SY
SAFETY HAND RAILINGS	130	LF

* ALL BLACK DIRT/SEEDING/GRADING ADJACENT TO NEW CURBING AND PAVEMENT AREAS, FOR PIPE INSTALLATION AND ANY GRADING AS DESIGNATED IN THE PLANS, ARE INCIDENTAL TO THE PROJECT. WATERING THE SEEDING UNTIL IT IS FULLY ESTABLISHED IS INCIDENTAL TO THE PROJECT.

BASE BID NOTES:
1. QUANTITIES ARE ENGINEERS ESTIMATES ONLY. CONTRACTOR SHALL DETERMINE THEIR OWN QUANTITIES AND BID ACCORDINGLY.
2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO DETERMINE THE EXACT AMOUNT AND LOCATIONS OF THE EXISTING CURBING/SIDEWALK/PAVEMENT TO BE REMOVED AND REPLACED/PATCHED NECESSARY FOR THE PROJECT IMPROVEMENTS.

ALTERNATE #1 - ESTIMATED SITE QUANTITIES*		
ITEM	QUANTITY	UNIT
SUBGRADE PREPARATION	990	SY
NDDOT TYPE R1 GEOSYNTHETIC FABRIC	990	SY
NDDOT CLASS 5 AGGREGATE	170	CY
PLAYGROUND SURFACING	905	SY
CONCRETE PLAYGROUND PAVEMENT - FLATWORK 4"	950	SY
PLAYGROUND EQUIPMENT	1	LS
PLAYGROUND PERIMETER WALL	230	LF

* ALL BLACK DIRT/SEEDING/GRADING ADJACENT TO NEW CURBING AND PAVEMENT AREAS, FOR PIPE INSTALLATION AND ANY GRADING AS DESIGNATED IN THE PLANS, ARE INCIDENTAL TO THE PROJECT. WATERING THE SEEDING UNTIL IT IS FULLY ESTABLISHED IS INCIDENTAL TO THE PROJECT.

ALTERNATE #1 NOTES:
1. IF THE ALTERNATIVE PLAYGROUND IMPROVEMENTS ARE CHOSEN FOR THE EXISTING PLAYGROUND AREAS, THE CONTRACTOR SHALL COORDINATE WITH FARGO PUBLIC SCHOOLS ON THE EXACT LOCATIONS FOR THE SALVAGED/NEW PLAYGROUND EQUIPMENT TO BE REINSTALLED.
2. AGGREGATE BASE QUANTITY ASSUMES IT EXTENDS TO 1' BEYOND BACK OF CURB OR EDGE OF PAVEMENT UNLESS ADJACENT TO STRUCTURE OR EXISTING PAVEMENT SAW CUT SECTIONS.
3. QUANTITIES ARE ENGINEERS ESTIMATES ONLY. CONTRACTOR SHALL DETERMINE THEIR OWN QUANTITIES AND BID ACCORDINGLY.
4. AGGREGATE BASE QUANTITIES ARE BASED ON IN PLACE VOLUME.
5. GEOTEXTILE FABRIC PANELS SHALL BE A MINIMUM OF 12' WIDE AND INSTALLED WITH A MINIMUM OVERLAP OF 18" WITH JOINTS ORIENTATED TO FOLLOW TRAFFIC MOVEMENT. GEOTEXTILE FABRIC SHALL EXTENDS TO 1' BEYOND THE BACK OF CURB OR EDGE OF PAVEMENT UNLESS ADJACENT TO STRUCTURE OR EXISTING PAVEMENT SAW CUT SECTIONS.
6. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO DETERMINE THE EXACT AMOUNT AND LOCATIONS OF THE EXISTING CURBING/SIDEWALK/PAVEMENT TO BE REMOVED AND REPLACED/PATCHED NECESSARY FOR THE PROJECT IMPROVEMENTS.

- PLAYGROUND SURFACING OVER CONCRETE FLATWORK.
- SEE ARCH. FOR DETAILS/SPECS ON SURFACING.
- SEE CIVIL FOR DETAILS/SPECS ON CONCRETE FLAT WORK & GRADING

BENCHMARK #1:
THE TOP NUT OF EX. HYDRANT NORTH OF THE PLAYGROUND IMPROVEMENTS AND ON THE SOUTH SIDE OF 35TH AVENUE SOUTH ROW.
ELEV.=906.00 (NAVD88)

BENCHMARK #2:
THE TOP NUT OF EX. HYDRANT NORTHWEST OF THE PLAYGROUND IMPROVEMENTS AND ON THE SOUTH SIDE OF 35TH AVENUE SOUTH ROW.
ELEV.=905.59 (NAVD88)

BASIS OF BEARING: CITY OF FARGO COORDINATE SYSTEM (NAD83)

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3502 S UNIVERSITY DR
FARGO, ND 58104

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LOWRY ENGINEERING
5306 51ST AVE S STE A
FARGO, ND 58104
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REGISTERED PROFESSIONAL ENGINEER
DREW MESSNER
PE-40221
DATE: 12/18/24
NORTH DAKOTA

DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/30/24

DRAWN BY: JT / KD
JN: 24-060

OVERALL SITE PLAN
EAGLES

SHEET
E-C4

NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR CALCULATING THEIR OWN EARTHWORK/GRADING TAKEOFF QUANTITIES FOR THE PROPOSED SITE.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS ENCOURAGED TO VISIT THE SITE TO BETTER DETERMINE THE NECESSARY AMOUNT OF STRIPPING TO OCCUR THROUGHOUT THE SITE.
3. TOPSOIL SHALL NOT BE USED AS FILL UNDER THE PAVEMENT AREAS.
4. NEW INLET CASTING WITHIN THE PLAYGROUND AREA SHALL BE EJIW 1205 TYPE M GRATE OR APPROVED EQUAL. CONTRACTOR TO INSTALL SCREEN OVER TOP OF CASTING, PER SURFACING MANUFACTURER RECOMMENDATIONS, PRIOR TO INSTALLATION OF RUBBER PLAYGROUND MAT SURFACING.
5. NEW NON-INLET CASTINGS SHALL BE EJIW 3025-Z OR NEENAH 1955-1 TYPE A COVER WITH "STORM" LABEL AND 2 OPEN PICK HOLES OR APPROVED EQUAL.
6. NEW NYLOPLAST INLET CASTINGS SHALL BE BEEHIVE STYLE GRATE.
7. IF ANY POTENTIAL UTILITY CONFLICTS OR PIPE COVER CONCERNS ARE DISCOVERED, CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY TO EVALUATE OR RESOLVE THE ISSUE.
8. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL DETERMINE THE EXACT AMOUNT OF EXISTING SIDEWALK PAVEMENT TO BE REMOVED AND REPLACED/PATCHED NECESSARY TO CONNECT THE PROPOSED STORM PIPE TO THE EXISTING PLAYGROUND STORM DRAIN INLET, ACCORDING TO THE CONTRACTOR'S AVAILABLE EQUIPMENT AND ABILITY TO INSTALL THE STORM PIPE PIECE. CONTRACTOR IS RESPONSIBLE FOR THEIR OWN QUANTITIES AS IT RELATES TO THE SIZE OF THE NECESSARY OPEN CUT/PATCHING NEEDED FOR THE PROPOSED STORM TIE-IN.
9. DEMOLITION QUANTITIES DO NOT INCLUDE "CONTRACTOR DETERMINED REMOVAL AREAS". CONTRACTOR SHALL REPLACE AREAS TO MATCH EXISTING CROSS SECTIONS AND MATERIALS.

- IRRIGATION PIPE CROSSING

- CONTRACTOR DETERMINED REMOVAL & REPLACEMENT AREAS

	GRADE BREAK / FLOW PATH
FG	FINISH GROUND
FL	FLOWLINE
HP	HIGH POINT
LP	LOW POINT
ME	MATCH EXISTING GROUND
RIM	STRUCTURE RIM ELEVATION
TC	TOP OF CURB/THICKENED EDGE
TOC	TOP OF CONCRETE
TW	TOP OF WALK
TOW	TOP OF WALL

BENCHMARK #1:
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BENCHMARK #2:
THE TOP NUT OF EX. HYDRANT NORTHWEST OF THE PLAYGROUND IMPROVEMENTS AND ON THE SOUTH SIDE OF 35TH AVENUE SOUTH ROW. ELEV.=905.59 (NAVD88)

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FARGO, ND 58104

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FARGO, ND 58104
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REGISTERED PROFESSIONAL ENGINEER
DIRK M. LOWRY
PE – #0221
DATE: 12/18/24
NORTH DAKOTA

DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/30/24

DRAWN BY: JT / KD JN: 24-060

GRADING & UTILITY PLAN EAGLES

SHEET
E-C5

EROSION CONTROL LEGEND*			
SF	SILT FENCE	250	LF
	SEEDING & HYDROMULCH	170	SY
	STANDARD INLET PROTECTION	4	EA
	CONCRETE WASHOUT	1	EA

* ALL BLACK DIRT/SEEDING/GRADING ADJACENT TO NEW CURBING AND PAVEMENT AREAS, FOR PIPE INSTALLATION AND ANY GRADING AS DESIGNATED IN THE PLANS, ARE INCIDENTAL TO THE PROJECT. WATERING THE SEEDING UNTIL IT IS FULLY ESTABLISHED IS INCIDENTAL TO THE PROJECT.

NOTES:

1. QUANTITIES ARE ENGINEERS ESTIMATES ONLY. CONTRACTOR SHALL DETERMINE THEIR OWN QUANTITIES AND BID ACCORDINGLY.
2. CONTRACTOR SHALL FOLLOW NDDOT STORMWATER POLLUTION PREVENTION STANDARDS FOR ALL EROSION CONTROL DURING CONSTRUCTION.
3. CONTRACTOR SHALL INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS PRIOR TO ANY LAND DISTURBING ACTIVITY.
4. CONTRACTOR SHALL INSTALL EROSION CONTROL BLANKET PER MANUFACTURER'S SPECIFICATIONS.
5. IF CONCRETE WASHOUT WILL OCCUR ONSITE, CONTRACTOR SHALL COORDINATE LOCATION WITH OWNER AND ENGINEER.
6. INLET PROTECTION SHALL BE BY WIMCO OR ADS PRODUCTS, ERTEC, FLEXSTORM, OR APPROVED EQUAL AND INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
7. CONTRACTOR IS RESPONSIBLE FOR SWEEPING AND CLEANING ADJACENT STREETS DURING CONSTRUCTION TO PREVENT SEDIMENT RUNOFF TO CITY STORM SYSTEM.
8. CONTRACTOR SHALL LEAVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES IN PLACE UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
9. CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MAINTENANCE, REPLACEMENT IF NECESSARY, REMOVAL, ETC OF ANY AND ALL PROTECTION MEASURES NEEDED FROM THE START OF CONSTRUCTION UNTIL FINAL PERMANENT STABILIZATION IS ACHIEVED.

BENCHMARK #1:
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ELEV.=906.00 (NAVD88)

BENCHMARK #2:
THE TOP NUT OF EX. HYDRANT NORTHWEST OF THE PLAYGROUND IMPROVEMENTS AND ON THE SOUTH SIDE OF 35TH AVENUE SOUTH ROW.
ELEV.=905.59 (NAVD88)

BASIS OF BEARING: CITY OF FARGO COORDINATE SYSTEM (NAD83)

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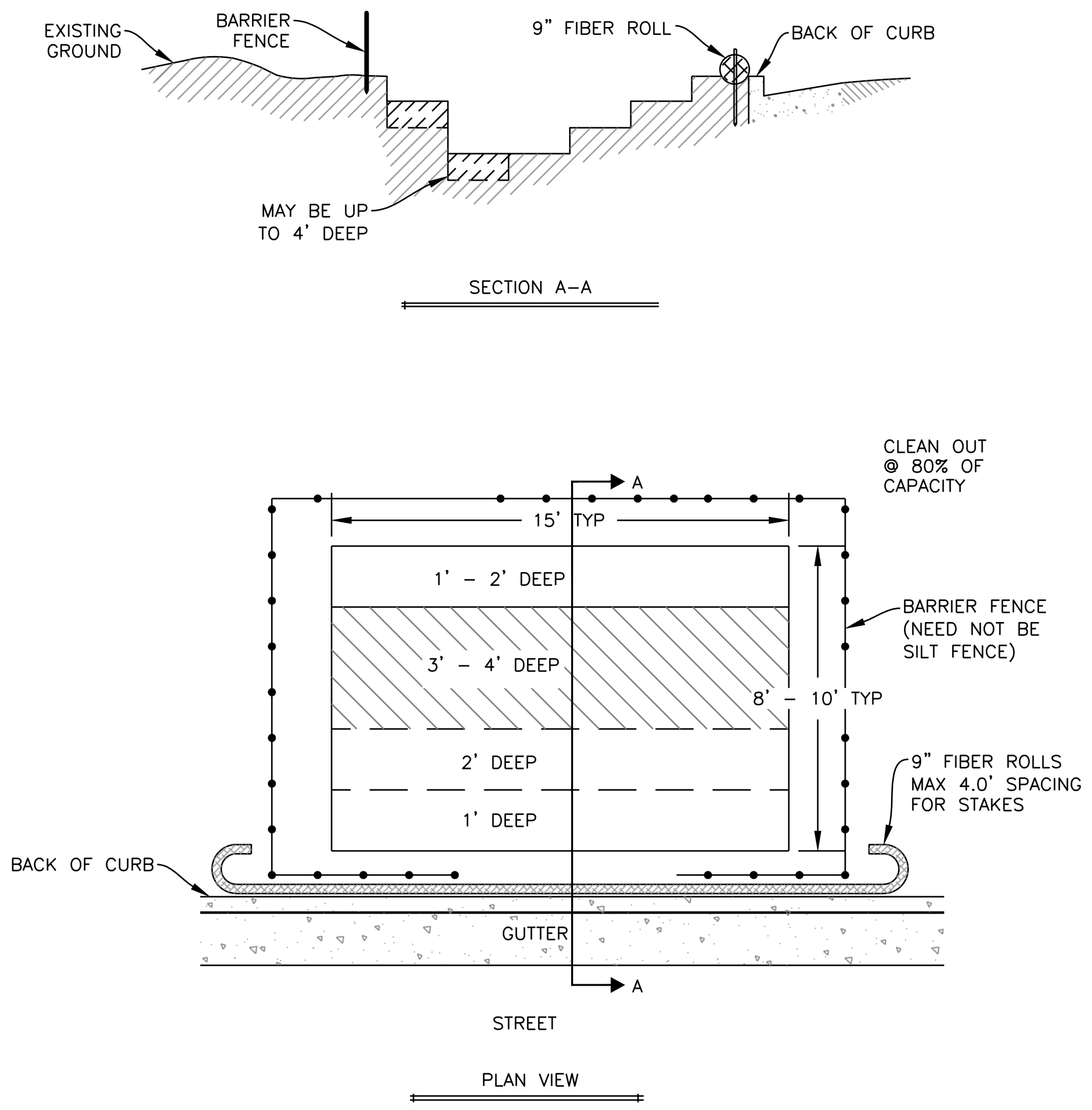
DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/30/24

DRAWN BY: JT / KD
JN: 24-060

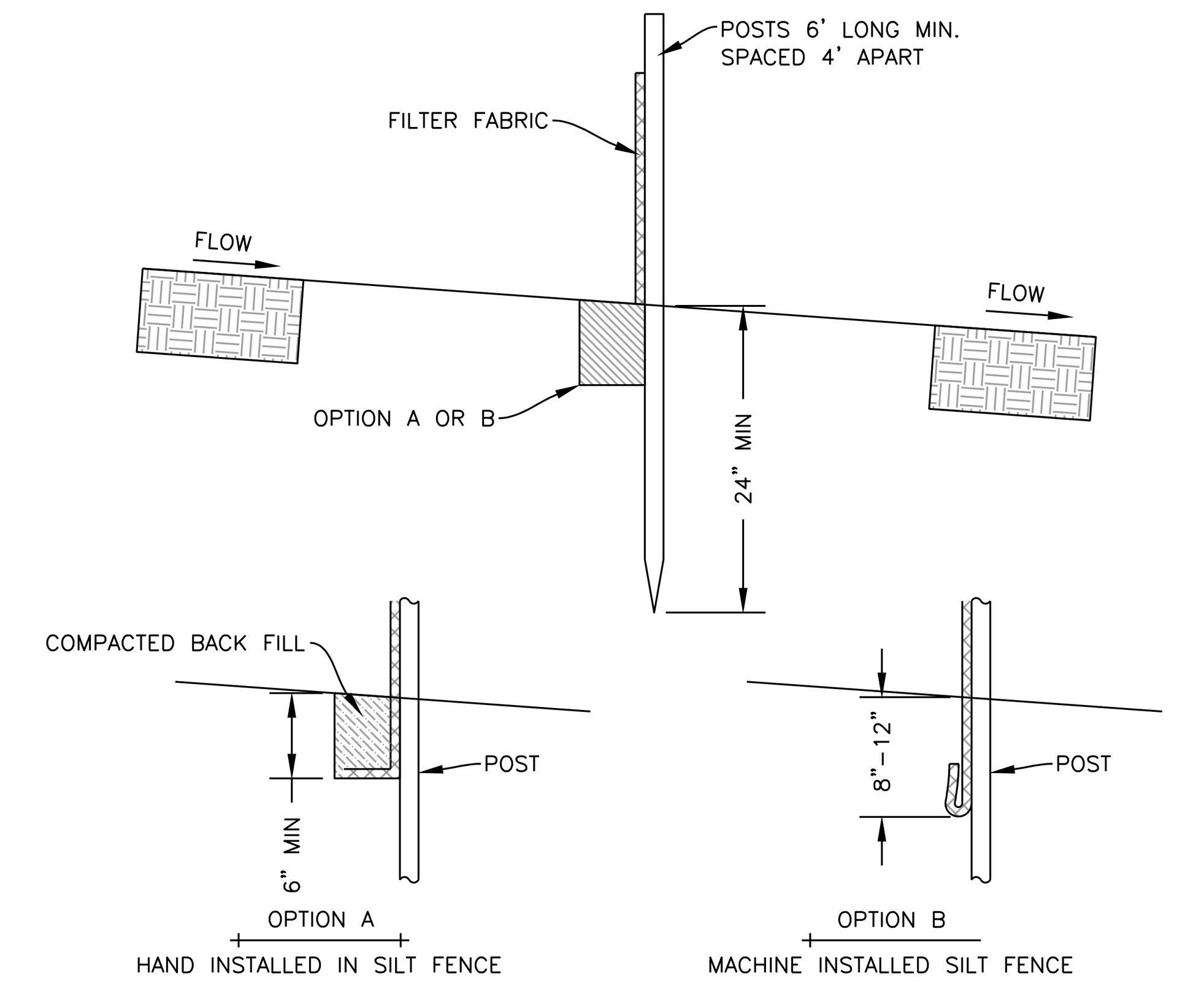
EROSION & SEDIMENT CONTROL PLAN EAGLES

SHEET
E-C6



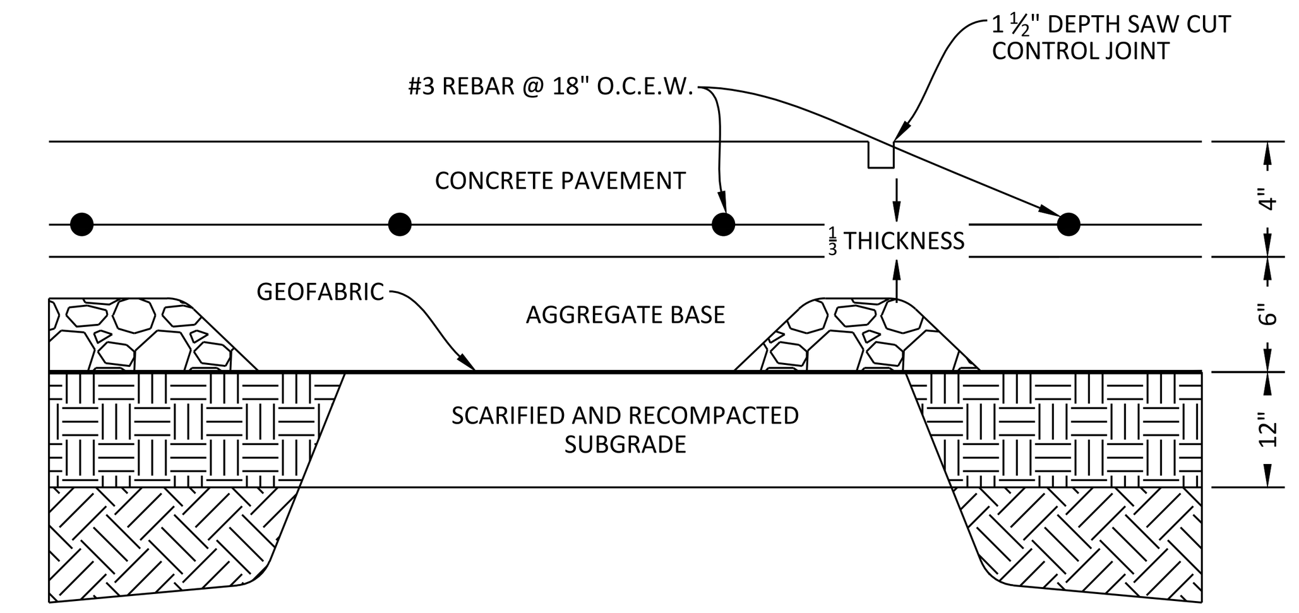
NOTE:
1. CONCRETE WASH OUT IS NOT REQUIRED IF CONTRACTOR IS PERFORMING WASHOUT ACTIVITIES OFF-SITE IN A LEGAL AND APPROPRIATE MANNER.

1 CONCRETE WASHOUT
N.T.S.



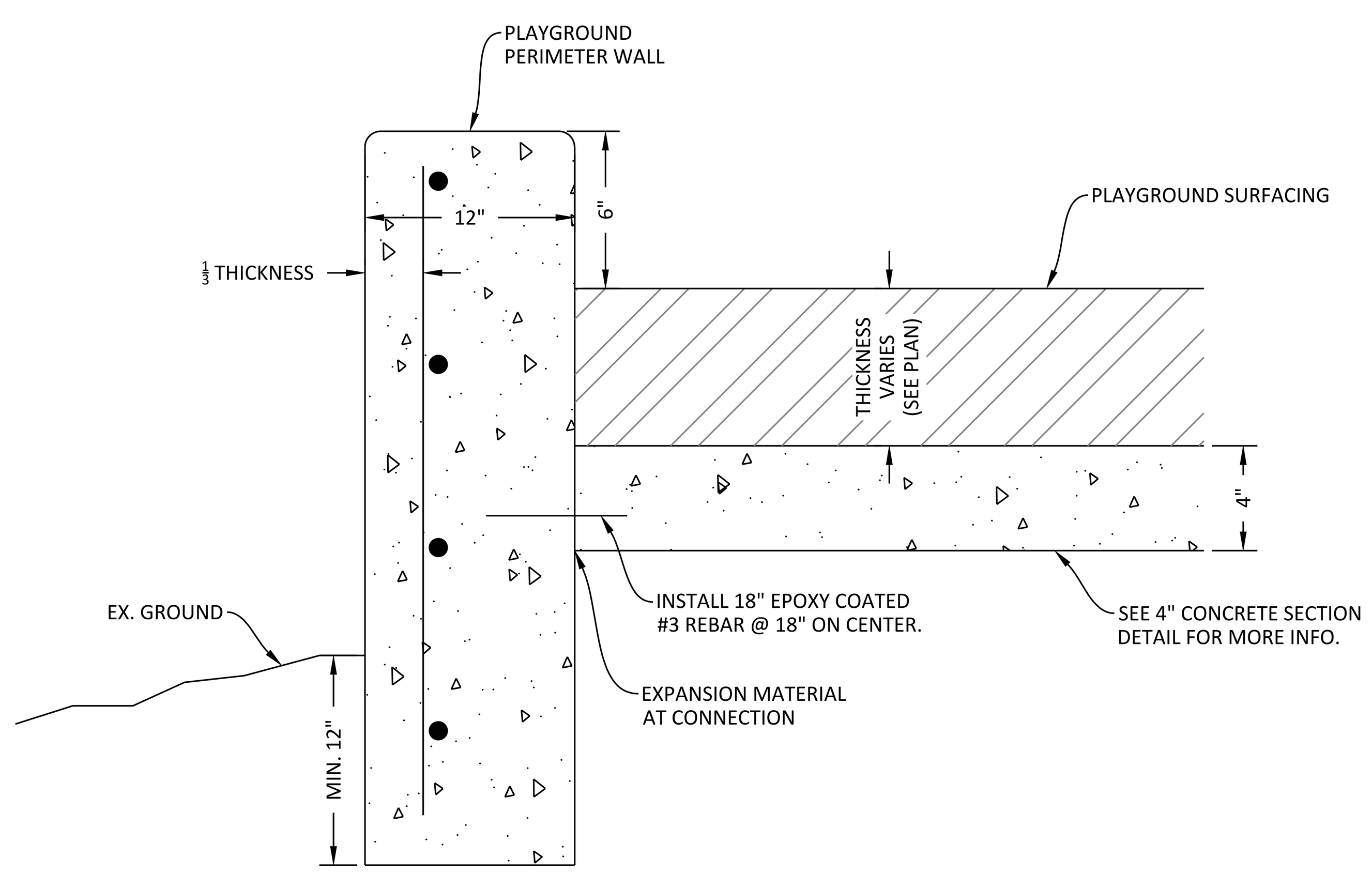
NOTES:
1. POSTS SHALL BE 2 INCH DIAMETER ROUND WOOD, 1.5 INCH RECTANGULAR WOOD, OR STEEL WITH A MINIMUM OF 0.95 POUNDS PER FOOT AND HAVE PROJECTIONS FOR FASTENING WIRE OR FABRIC.
2. FILTER FABRIC SHALL BE AS SPECIFIED IN AASHTO M 288 WITH A MINIMUM WIDTH OF 36 INCHES.
3. SILT FENCE SHALL BE INSTALLED ALONG THE CONTOURS OF THE SITE SO WATER CANNOT FLOW AROUND THE END OF THE FENCE.
4. IF JOINING TWO SECTION OF FILTER FABRIC, OVERLAP AT SUPPORT POSTS A MINIMUM OF 18 INCHES IN SUCH A MANNER THAT PREVENTS SILT FROM PASSING THROUGH THE FENCE.
5. REMOVE SEDIMENT FROM SILT FENCE WHEN IT REACHES $\frac{1}{3}$ OF THE EXPOSED HEIGHT OF ANY SECTION, OR AS DIRECTED BY THE ENGINEER. THE ENGINEER MAY DIRECT THE INSTALLATION OF ADDITIONAL SILT FENCE IF REMOVING THE SEDIMENT DEPOSIT IS NOT FEASIBLE.
6. SILT FENCE SHALL BE INSPECTED EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS OF ANY STORM EVENT GREATER THAN $\frac{1}{4}$" OF RAIN PER 24 HOUR PERIOD.

2 SILT FENCE INSTALLATION
N.T.S.

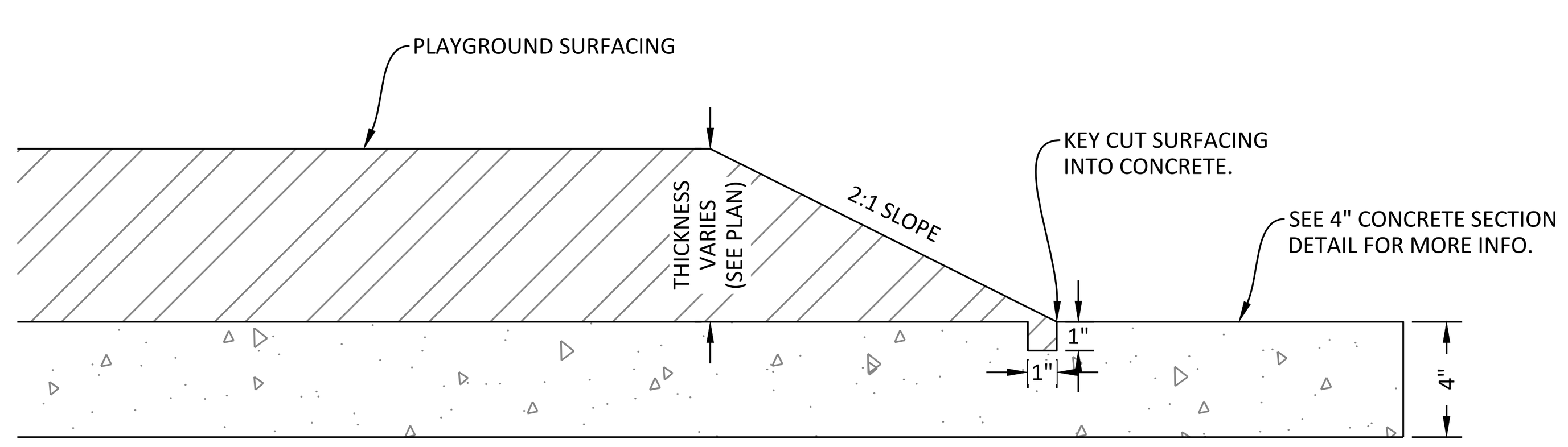


NOTES:
1. PROVIDE SAWCUT CONTROL JOINTS AT 8' MAXIMUM SPACING EACH WAY.
2. PROVIDE #3 REBAR @ 18" O.C. AT CONNECTION TO CURB & GUTTER, THICKENED EDGE SIDEWALK, EXISTING CONCRETE, AND CONSTRUCTION JOINTS.
3. PROVIDE ½" EXPANSION MATERIAL ADJACENT TO BUILDINGS AND ANY OTHER FIXED OBJECTS SUCH AS LIGHT POLE BASES, SIGN FOUNDATIONS, ETC. AND AT CONNECTIONS TO EXISTING CONCRETE.
4. NDDOT TYPE R1 FABRIC SHALL BE PLACED UNDER AGGREGATE BASE PER NDDOT SPECIFICATIONS.
5. REBAR SHALL BE SUPPORTED BY CHAIRS.
6. NO CONCRETE CURING COMPOUND SHALL BE APPLIED ON THE EXTERIOR PLAYGROUND CONCRETE SURFACES.

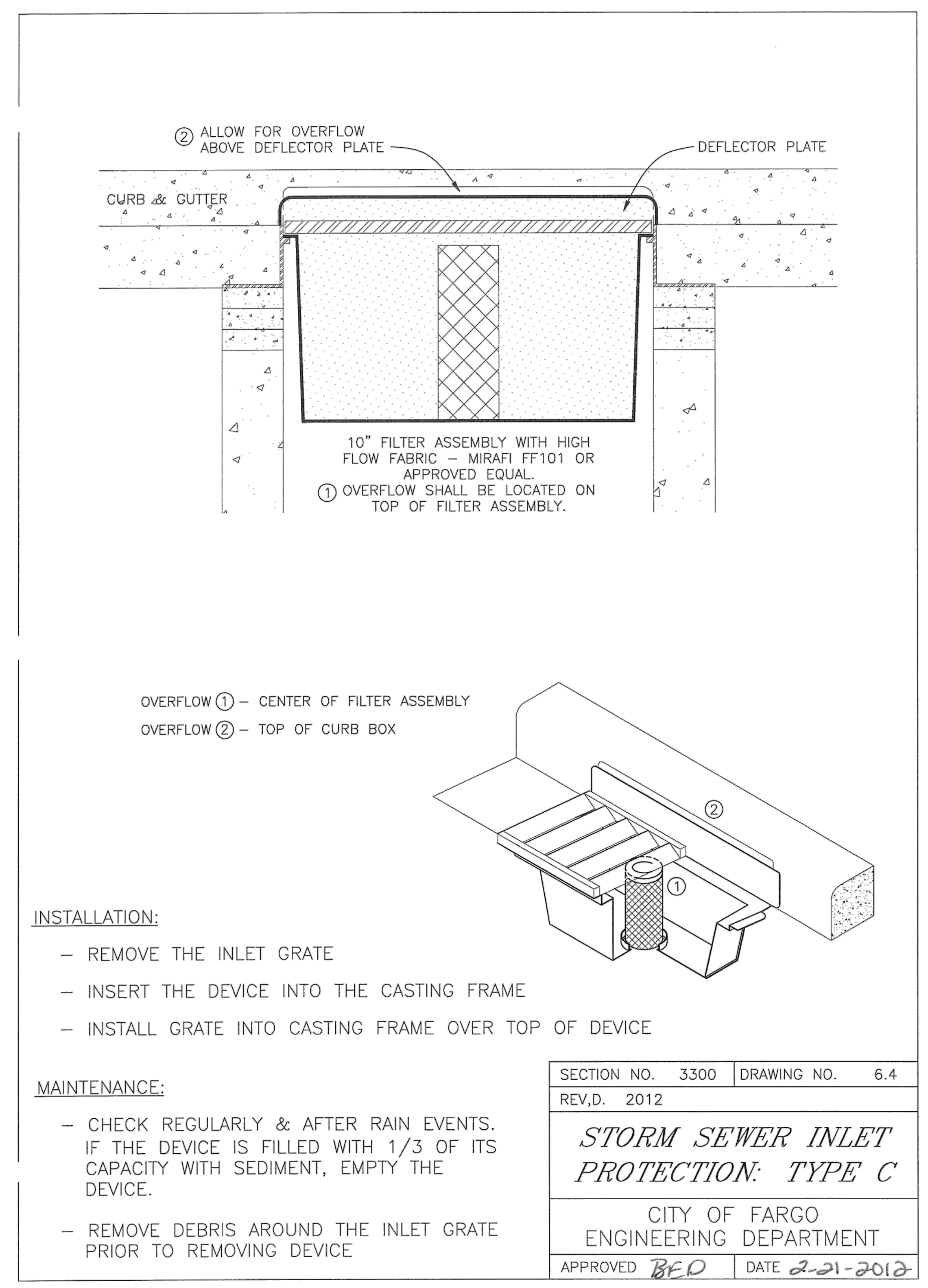
3 PLAYGROUND SURFACE PAD REINFORCED CONCRETE CROSS SECTION
N.T.S.

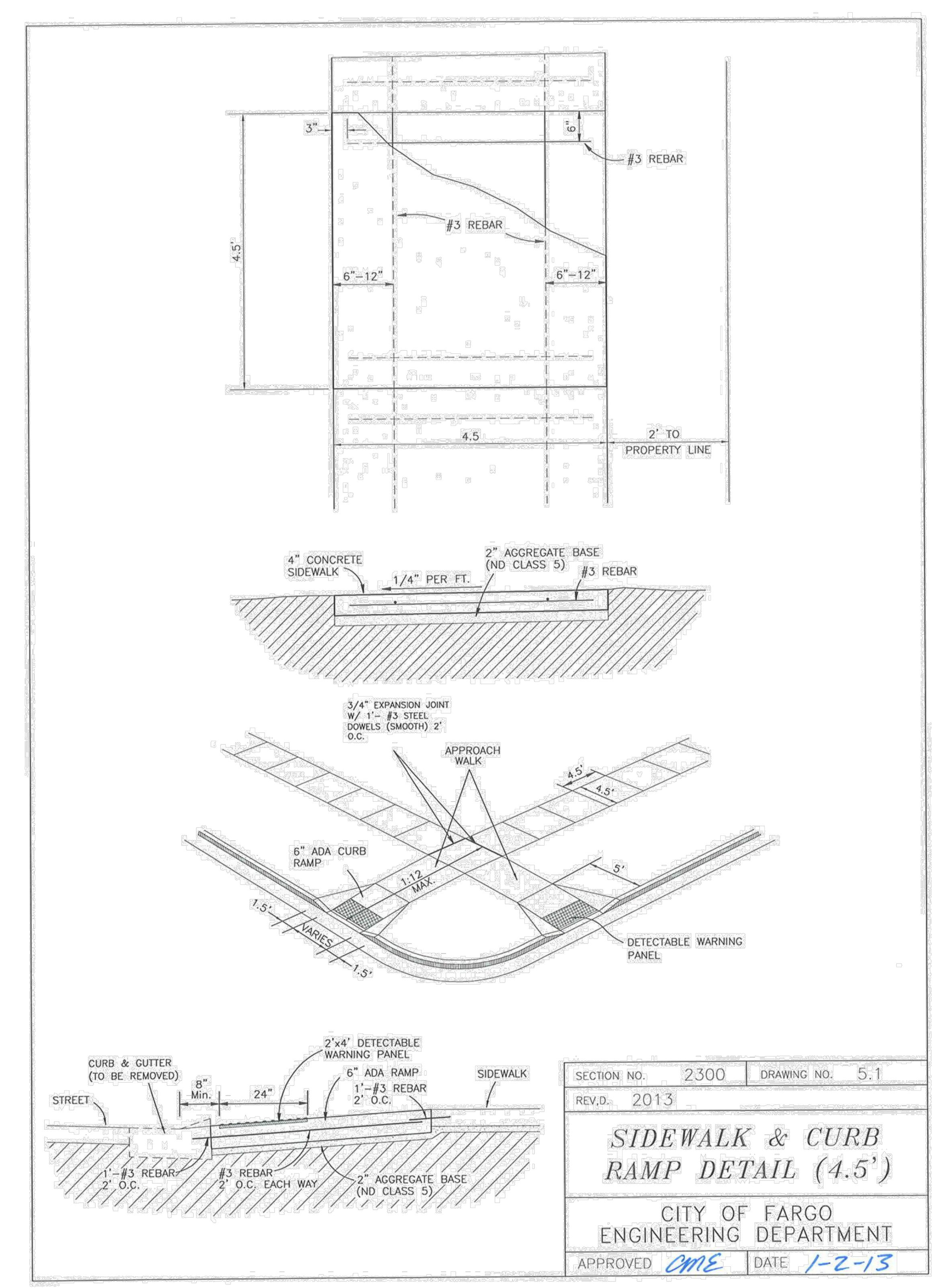


4 PLAYGROUND SURFACE PERIMETER WALL DETAIL (ALT-1 BID AREAS)
N.T.S.



5 PLAYGROUND SURFACE PERIMETER DETAIL (ALT-1 AREAS)
N.T.S.





ICON ARCHITECTURAL GROUP
4000 GARDEN VIEW DRIVE, SUITE 101
GRAND FORKS, ND 58201
P. 701.772.4266 | F. 701.772.4275
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EAGLES ELEMENTARY
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FARGO, ND 58104

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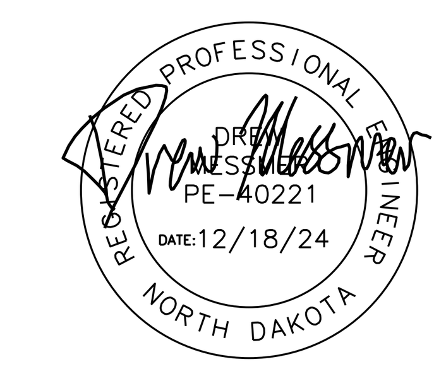


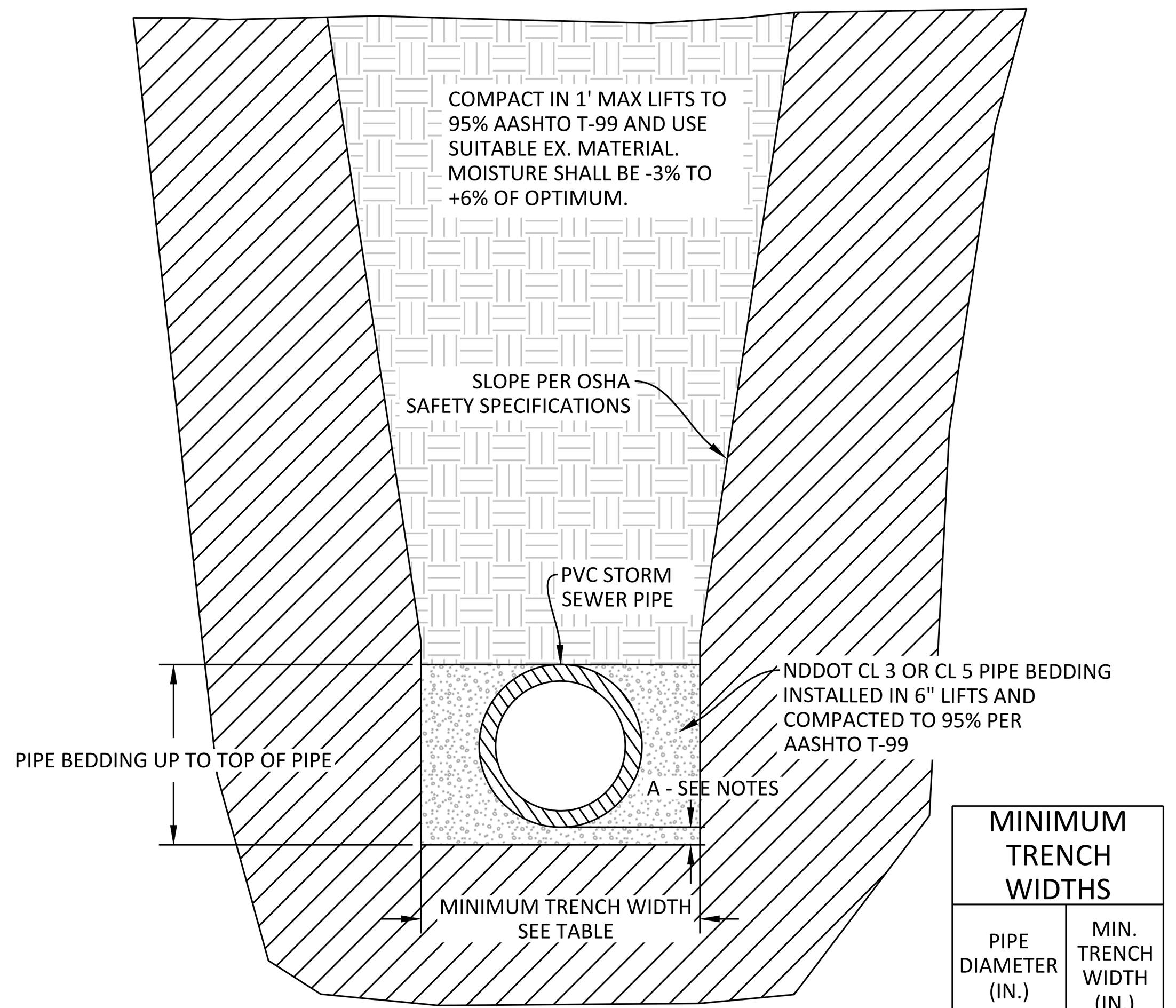
DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/30/24

DRAWN BY: JT / KD
JN: 24-060

DETAILS EAGLES

SHEET
E-C7

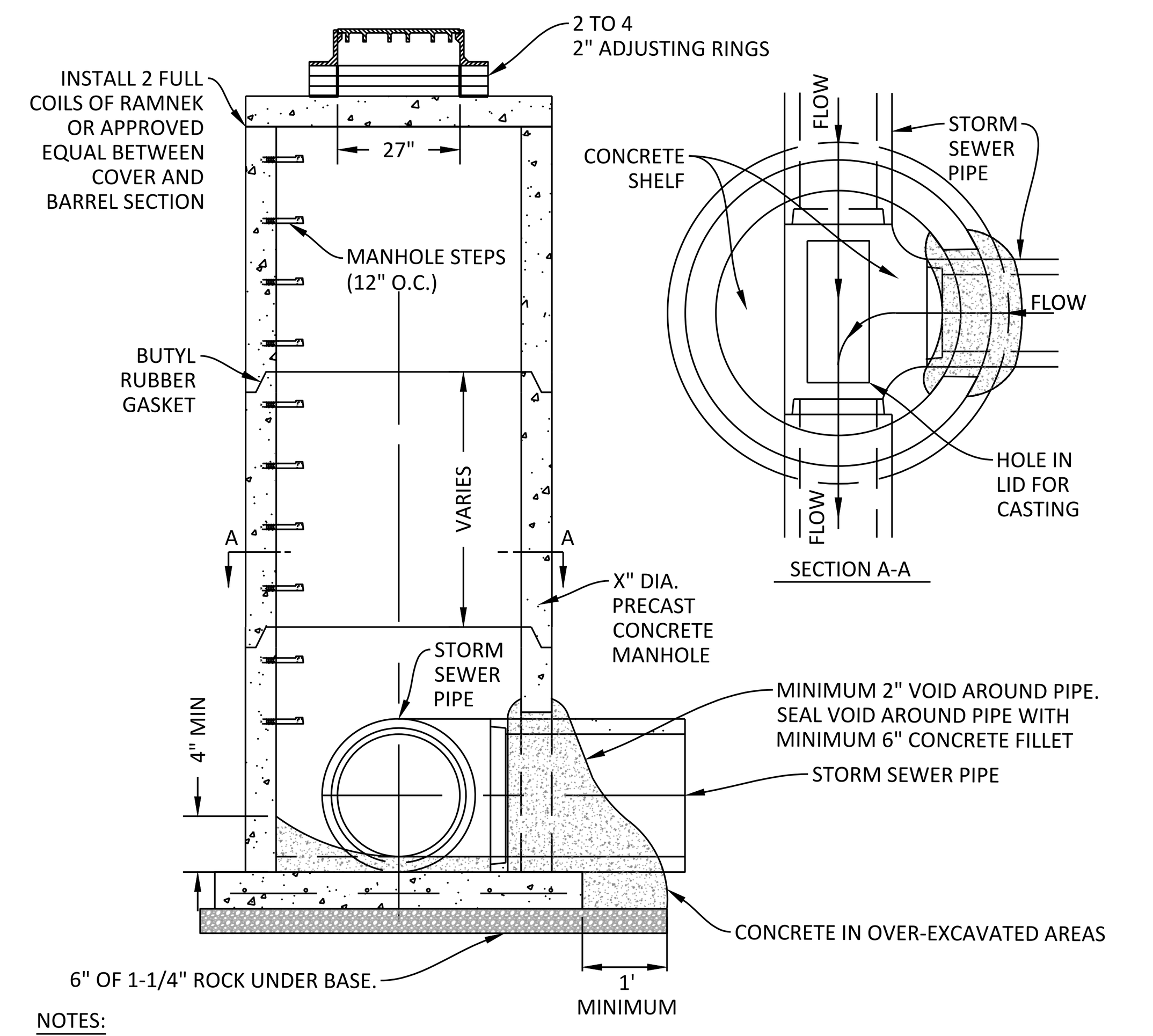


NOTES:
1. BEDDING DEPTH BELOW PIPE (DIMENSION A ABOVE) SHALL BE 4" FOR 4"-36" PIPE AND 6" FOR 42"-60" PIPE.
2. IN CLAY SOILS, LAST 3' OF PIPE MEASURED FROM BACK OF FLARED END SECTION TO BE BEDDED IN CLAY AND NOT CLASS 5 OR CLASS 3 TO PREVENT SCOUR.

MINIMUM TRENCH WIDTHS

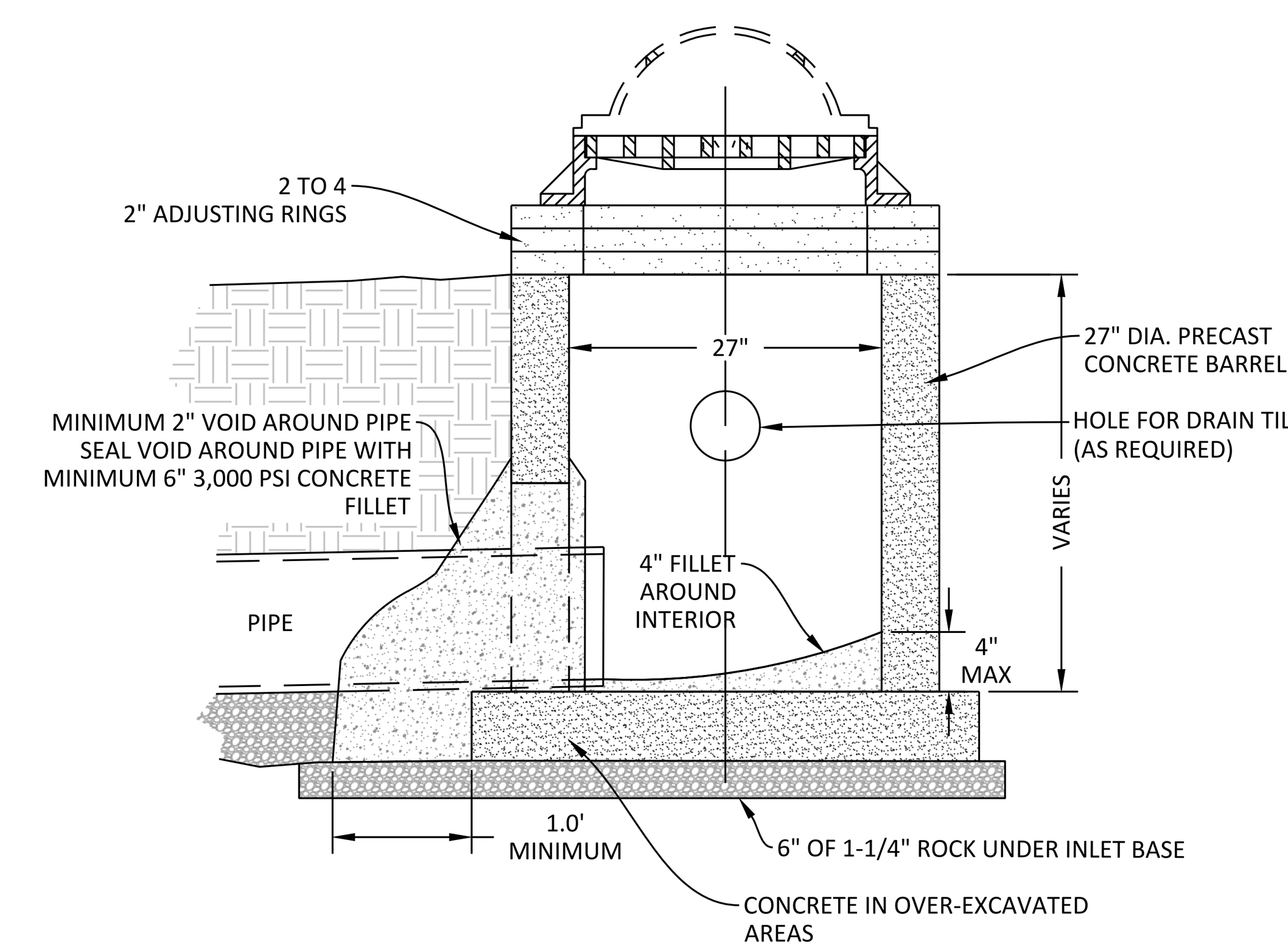
PIPE DIAMETER (IN.)	MIN. TRENCH WIDTH (IN.)
4	21
6	23
8	26
10	28
12	30
15	34
18	39
24	47
30	56
36	63
42	72
48	80
60	96

1 PVC STORM PIPE & CULVERT TRENCH BACKFILL
N.T.S.



NOTES:
1. ALL ROUND MANHOLES SHALL MEET REQUIREMENTS OF ASTM C478.
2. LIFT HOLES TO BE MANUFACTURED WATER PROOF.
3. BACKFILL AROUND MANHOLE IN 1' MAX LIFTS TO 95% PER AASHTO T-99. USE EXISTING MATERIAL UNLESS NOTED OTHERWISE. MOISTURE SHALL BE -3% TO +6% OF OPTIMUM.
4. CASTING TYPE PER MANHOLE SCHEDULE.
5. SOLID COVERS SHALL BE CAST WITH THE WORD "STORM" IN THE CENTER OF THE COVER IN LETTERS 2" HIGH.
6. CONTRACTOR MAY USE CONCRETE OR HDPE RINGS. IF HDPE RINGS ARE UTILIZED, SILICONE SEAL SHALL BE USED IN BETWEEN RINGS PER MANUFACTURER RECOMMENDATIONS. IF CONCRETE RINGS ARE USED, GROUT SHALL BE USED BETWEEN, OUTSIDE, AND INSIDE OF RINGS. GROUT SHALL MEET REQUIREMENTS OF ASTM C270.
7. REBAR AND WALL THICKNESS PER MANUFACTURERS RECOMMENDATION.
8. IF MANHOLE IS USED AS A CURB & GUTTER INLET, THE MANHOLE SHALL HAVE HOLE AVAILABLE FOR CONNECTION TO CURB & GUTTER DRAIN TILE AS REQUIRED.
9. BUTYL RUBBER GASKET ON ALL JOINTS. GASKET SHALL MEET ASTM C443 REQUIREMENTS.
10. DOGHOUSE TO BE CONCRETED INSIDE AND OUT WITH 3,000 PSI CONCRETE. CONCRETE SHALL BE VIBRATED AND TROWL FINISHED.
11. WHEN STRUCTURE IS INSTALLED IN THE CURB LINE, THE CONTRACTOR SHALL SET MANHOLE SO THAT BACK OF CASTING ALIGNS WITH CURB FLOW LINE.
12. ALL ROUND MANHOLES/INLETS SHALL HAVE A MINIMUM HEIGHT OF SIX (6) FEET FROM RIM TO BOTTOM OF STRUCTURE. IF LOWEST INVERT IS ABOVE THIS, CONTRACTOR SHALL FILL BOTTOM VOID WITH 4,000 PSI CONCRETE AND FORM INVERTS ACCORDINGLY.

2 ROUND STORM MANHOLE/INLET
N.T.S.



NOTES:
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4. CASTING TYPE PER MANHOLE SCHEDULE.
5. CONTRACTOR MAY USE CONCRETE OR HDPE RINGS. IF HDPE RINGS ARE UTILIZED, SILICONE SEAL SHALL BE USED IN BETWEEN RINGS PER MANUFACTURER RECOMMENDATIONS. IF CONCRETE RINGS ARE USED, GROUT SHALL BE USED BETWEEN, OUTSIDE, AND INSIDE OF RINGS. GROUT SHALL MEET REQUIREMENTS OF ASTM C270.
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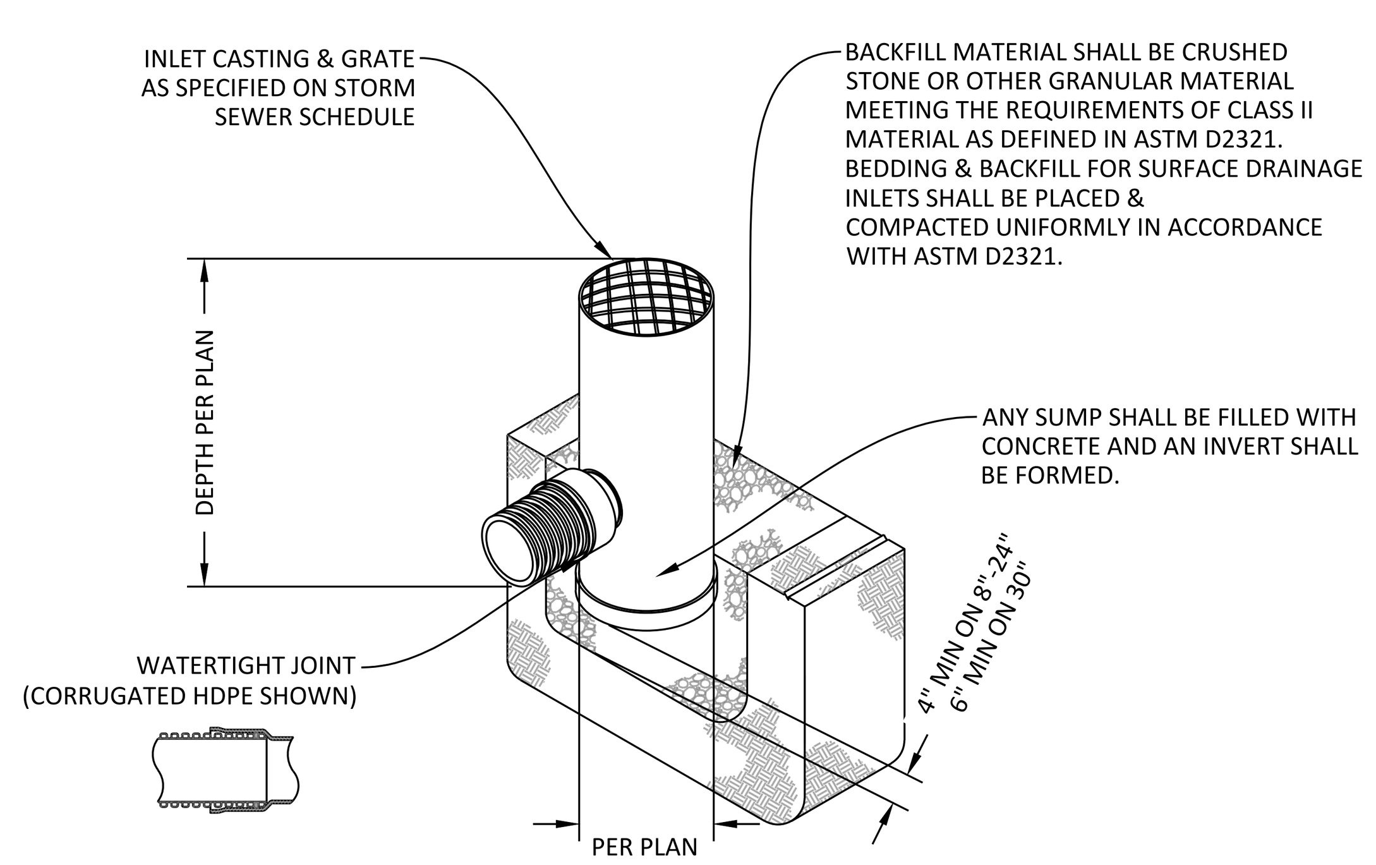
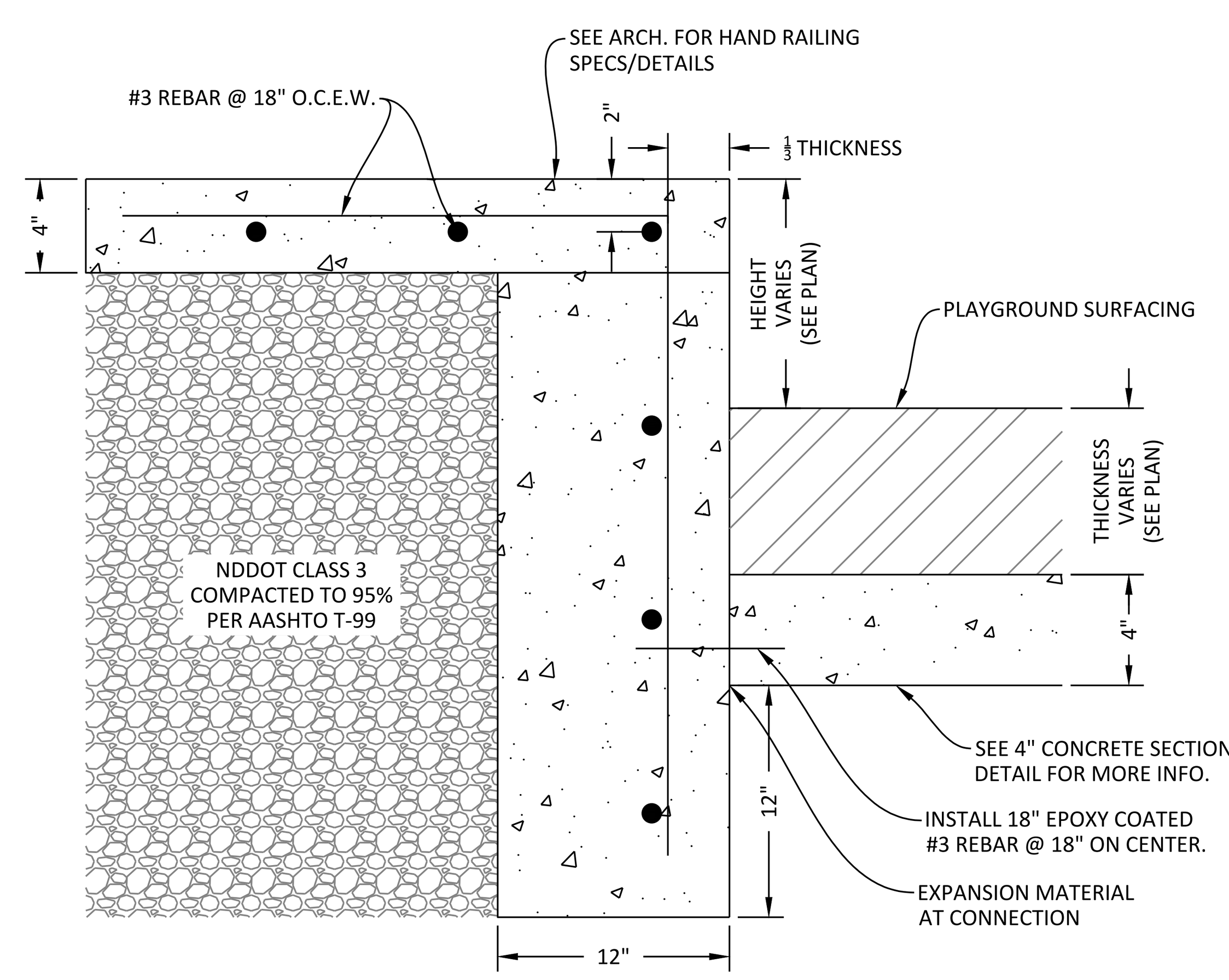
8. BUTYL RUBBER GASKET ON ALL JOINTS. GASKET SHALL MEET ASTM C443 REQUIREMENTS.
9. DOGHOUSE TO BE CONCRETED INSIDE AND OUT WITH 3,000 PSI CONCRETE. CONCRETE SHALL BE VIBRATED AND TROWL FINISHED.
10. WHEN STRUCTURE IS INSTALLED IN THE CURB LINE, THE CONTRACTOR SHALL SET MANHOLE SO THAT BACK OF CASTING ALIGNS WITH CURB FLOW LINE.
11. (CLAY SOILS ONLY) IF IN PAVEMENT, STRUCTURE SHALL HAVE A MINIMUM HEIGHT OF SIX (6) FEET FROM RIM TO BOTTOM OF STRUCTURE. IF LOWEST INVERT IS ABOVE THIS, CONTRACTOR SHALL FILL BOTTOM VOID WITH 4,000 PSI CONCRETE AND FORM INVERTS ACCORDINGLY.

3 27" PAVEMENT/YARD INLET
N.T.S.



NOTES:
1. CONTRACTOR SHALL CONTACT MANUFACTURER (ADS) FOR CORRECT SIZING OF STRUCTURES AND FOR INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS.

4 NYLOPLAST HDPE YARD INLET
N.T.S.



NOTES:
1. PROVIDE 1/2" EXPANSION MATERIAL AT EXISTING CONCRETE JOINTS, BUILDINGS & ADJACENT TO CURB AND GUTTER.
2. PROVIDE FULL DEPTH EXPANSION JOINT WITH 1/2" EXPANSION MATERIAL AT 60' INTERVALS.
3. SAWCUT 1" DEEP AT 6' INTERVALS OR LESS TO APPROXIMATE SQUARE DESIGN.
4. PROVIDE 2-1/2" SMOOTH DOWELS @ 18" O.C. AT EXPANSION JOINTS.
5. CONCRETE SHALL BE 4,000 (OR HIGHER) PSI AND PER NDDOT SPECIFICATIONS

5 PLAYRGOUND THICKENED EDGE SIDEWALK
N.T.S.

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4000 GARDEN VIEW DRIVE, SUITE 101
GRAND FORKS, ND 58201
P. 701.772.4266 | F. 701.772.4275
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EAGLES ELEMENTARY
3502 S UNIVERSITY DR
FARGO, ND 58104

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DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/30/24

DRAWN BY: JT / KD   JN: 24-060

DETAILS
EAGLES

SHEET
E-C8

LONGFELLOW ELEMENTARY SCHOOL
SITE IMPROVEMENTS

20 29TH AVENUE NE
FARGO, NORTH DAKOTA 58102

OWNER'S REPRESENTATIVE
ICON ARCHITECTURAL GROUP
ALYSSA OMMEN, PROJECT ARCHITECT
3187 BLUESTEM DRIVE, SUITE 2
WEST FARGO, ND 58078
PH: 701-364-4007
EMAIL: alyssa.ommen@iconarchitects.com

CIVIL ENGINEER
LOWRY ENGINEERING
DREW MESSMER, P.E.
5306 51ST AVENUE SOUTH, SUITE A
FARGO, ND 58104
PH: 701-235-0199
EMAIL: dmessmer@lowryeng.com

ICON ARCHITECTURAL GROUP
4000 GARDEN VIEW DRIVE, SUITE 101
GRAND FORKS, ND 58201
P. 701.772.4266 | F. 701.772.4275
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SITE INFORMATION	
SURVEY INFORMATION	
DATE OF SURVEY	11/26/2024
COORDINATE SYSTEM	CITY OF FARGO
DRAWING UNITS	US SURVEY FEET
VERTICAL DATUM	NAVD 88

BENCHMARK #1:
THE EX. STORM INLET RIM ON THE EAST SIDE OF THE EXISTING PLAYGROUND AND SIDEWALK LOCATED APPROXIMATELY 127 FEET NORTH WEST FROM THE PITCHERS MOUND OF THE BASEBALL FIELD.
ELEV.=896.06 (NAVD88)

BENCHMARK #2:
THE EX. STORM YARD INLET RIM BETWEEN THE TWO BUILDINGS TO THE WEST OF THE EXISTING PLAYGROUND LOCATED APPROXIMATELY 231 FEET WEST FROM THE PITCHERS MOUND OF THE BASEBALL FIELD.
ELEV.=896.02 (NAVD88)

BASIS OF BEARING: CITY OF FARGO COORDINATE SYSTEM (NAD83)

VICINITY MAP

SHEET INDEX	
LO-C1	COVER SHEET
LO-C2	GENERAL NOTES & LEGEND
LO-C3	SURVEY OVERLAY & DEMOLITION PLAN
LO-C4	OVERALL SITE PLAN
LO-C5	GRADING & UTILITY PLAN
LO-C6	EROSION & SEDIMENT CONTROL PLAN
LO-C7	DETAILS
LO-C8	DETAILS

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(701) 280.0500 OFFICE

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REGISTERED PROFESSIONAL ENGINEER
DREW MESSMER
PE - 10221
DATE: 12/18/24
NORTH DAKOTA

DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/30/24

DRAWN BY: JT / KD JN: 24-060

COVER SHEET LONGFELLOW

SHEET
LO-C1

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LE #24007.13.4

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UTILITIES UNDERGROUND LOCATION SERVICE
1-800-795-0555

GENERAL NOTES:
1. SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES ON THE DRAWINGS, OR IN THE FIELD PRIOR TO BEGINNING WORK OR DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER & ENGINEER.
2. A COMPLETE SET OF APPROVED DRAWINGS MUST BE MAINTAINED ON SITE AT ALL TIMES BY THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS.
3. CHANGES TO APPROVED PLANS SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE OWNER AND ENGINEER.
4. CHANGES TO APPROVED PLANS ON PUBLIC PROPERTY SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL FROM THE CITY OF FARGO.
5. ALL SITE AND RIGHT-OF-WAY CONSTRUCTION SHALL MEET CITY OF FARGO STANDARD SPECIFICATIONS LATEST REVISION. IN THE CASE OF A DISCREPANCY BETWEEN THE PLANS AND SPECIFICATIONS, THE PLANS SHALL GOVERN.
6. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING & VERIFYING ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION & IS RESPONSIBLE FOR ANY DAMAGE TO THEM DURING CONSTRUCTION. CONTRACTOR SHALL CONTACT THE LOCAL ONE-CALL SYSTEM AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.
7. ANY WORK ON EXISTING CITY OWNED UTILITIES SHALL REQUIRE NOTIFICATION TO THE CITY OF FARGO BY THE CONTRACTOR 24 HOURS PRIOR TO COMMENCING WORK.
8. THE CONTRACTOR SHALL COMPLY WITH ALL RULES & REGULATIONS OF FEDERAL, STATE, COUNTY, & LOCAL AUTHORITIES.
9. THE CONTRACTOR IS REQUIRED TO MEET ALL APPLICABLE FEDERAL, OSHA, STATE, AND LOCAL REGULATIONS CONCERNING PROJECT SAFETY AND ASSUMES FULL RESPONSIBILITY FOR SAFETY ON THE PROJECT.
10. CONTRACTOR SHALL VERIFY THAT ALL NECESSARY PERMITS FOR CONSTRUCTION HAVE BEEN OBTAINED, ALL BONDS ARE POSTED, ALL FEES ARE PAID AND PROOF OF INSURANCE IS PROVIDED PRIOR TO THE START OF THE PROJECT.
11. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL HORIZONTAL AND VERTICAL CONTROLS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEY AND RELATED COSTS.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR HIS/HER OWN MEASUREMENTS AND QUANTITIES. ENGINEER QUANTITIES ARE ESTIMATES ONLY.
13. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF UNDERGROUND UTILITIES BY THE APPROPRIATE UTILITY ENTITY. PROPER COORDINATION WITH THE RESPECTIVE UTILITY ENTITIES SHALL BE PERFORMED BY THE CONTRACTOR TO INSURE THAT ALL UTILITY ENTITY STANDARDS FOR MATERIAL AND METHODS ARE MET. THE GENERAL CONTRACTOR SHALL OVERSEE INSTALLATION OF UTILITIES AND COORDINATE WITH ALL SUBCONTRACTORS TO AVOID CONFLICTS.
14. THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE OWNER FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES.
15. THE CONTRACTOR SHALL PROVIDE TESTING, INSPECTIONS, AS-BUILT DRAWINGS, CERTIFICATIONS AND ANY OTHER PROCEDURES OR DOCUMENTATION REQUIRED BY THE GOVERNING AGENCIES TO CLOSE OUT THE PROJECT.
16. THE CONTRACTOR SHALL RESTORE ANY STRUCTURES, PIPE, UTILITY, PAVEMENT, CURBS SIDEWALKS, LANDSCAPED ARES, ETC. WITHIN THE SITE OR ADJOINING PROPERTIES DISTURBED DURING DEMOLITION OR CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER, AND TO THE SATISFACTION OF THE OWNER/JURISDICTIONAL AUTHORITY.
17. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL STRIPPING, RUBBISH, TRASH, DEBRIS, ORGANIC, AND EXCESS EXCAVATED MATERIAL IN A LAWFUL MANNER.
18. FOR THE PURPOSES OF CONSTRUCTION SURVEY, ALL BUILDING DIMENSIONS SHALL BE VERIFIED WITH STRUCTURAL AND ARCHITECTURAL PLANS.
19. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SHOP DRAWINGS TO THE ENGINEER FOR REVIEW OF ALL APPLICABLE PRODUCTS AND MATERIALS BEING USED FOR CONSTRUCTION.
20. ALL UNDERGROUND WORK IN THE DIRECT VICINITY OF THE BUILDING OR NEW PAVEMENT SHALL BE COMPLETED PRIOR TO COMPLETION OF SUBGRADE PREPARATION AND START OF ROADWAY WORK INCLUDING BUT NOT LIMITED TO INSTALLATION OF FABRIC, GRAVEL, PAVING , ETC.
21. EXCAVATION OR OTHER WORK IN THE RIGHT-OF-WAY SHALL REQUIRE A TRAFFIC CONTROL PLAN THAT MEETS ALL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REQUIREMENTS. THIS PLAN IS REQUIRED BEFORE ANY PERMITS TO WORK IN THE RIGHT-OF-WAY WILL BE ISSUED.

GRADING NOTES:
1. LOCATION AND TOP ELEVATIONS OF INLETS AND STRUCTURES MAY NEED TO BE ADJUSTED IN THE FIELD BY THE CONTRACTOR WHERE NECESSARY AND SHALL BE APPROVED BY THE ENGINEER. CONTRACTOR SHALL NOTE ANY CHANGES IN AS-BUILT DRAWINGS.
2. IF UNSUITABLE SUBGRADE MATERIALS ARE ENCOUNTERED, THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT (FROM OFF-SITE BORROW MATERIAL) OF ALL UNSUITABLE MATERIAL TO CLASSIFIED AS MH, CH, OH, OL AND PEAT IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, UNLESS APPROVED IN WRITING BY THE PROJECT ENGINEER. THE SITE ENGINEER SHALL BE NOTIFIED IMMEDIATELY UPON ENCOUNTERING UNSUITABLE SUBGRADE MATERIAL.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATIONS AND GRADING INCLUDING FURNISHING OFF-SITE BORROW AND DISPOSING OF EXCESS MATERIAL AS REQUIRED TO MEET PLAN GRADES. OFF SITE BORROW SHALL MEET ALL REQUIREMENTS OF THE CITY OF FARGO STANDARD SPECIFICATIONS.
4. COMPACTION LIFTS AND TESTING SHALL BE PER CITY OF FARGO REQUIREMENTS IN TRENCHING, SUB-BASE, BASE, AND PAVING MATERIALS. SUB-BASE LIFTS SHALL NOT EXCEED 12". BASE LIFTS SHALL NOT EXCEED 6".
5. GRADE TO ENSURE POSITIVE DRAINAGE. ALL FINISHED SURFACES SHALL BE FREE FROM SURFACE IRREGULARITIES.

PAVING NOTES:
1. ALL PAVEMENT SECTION MATERIALS AND INSTALLATION SHALL MEET THE REQUIREMENTS OF CITY OF FARGO.
2. AGGREGATE BASE COURSE SHALL MEET THE REQUIREMENTS OF CITY OF FARGO.
3. CONCRETE FOR FLAT WORK SHALL BE A BATCH PLANT MIX MEETING THE REQUIREMENTS OF THE NDDOT STANDARD SPECIFICATIONS. (MINIMUM 4,000 PSI)
4. HOT BITUMINOUS PAVEMENT SHALL BE A PLANT MIX MEETING THE REQUIREMENTS OF THE NDDOT STANDARD SPECIFICATIONS (LATEST EDITION).
5. PAINTED PARKING STRIPING SHALL BE WATER BASED 4" IN WIDTH YELLOW STRIPES AND BE LOCATED AS SHOWN ON THE PLANS. ACCESSIBLE PARKING STRIPING SHALL BE BLUE AND PER ADA REQUIREMENTS. GORE AREA LINES SHALL BE PAINTED AT 45 DEGREES AND SHALL HAVE A SPACING OF 3'. CURE COMPOUND SHALL BE REMOVED BY SANDBLASTING, GRINDING, OR OTHER APPROVED METHOD BEFORE INSTALLATION OF PAVEMENT MARKINGS ON CONCRETE TO ENSURE PROPER ADHESION OF THE PAINT. ALL WORK SHALL BE IN ACCORDANCE WITH THE NDDOT REQUIREMENTS.
6. THE CONTRACTOR SHALL SUBMIT A JOINTING PLAN FOR CONCRETE PAVEMENT TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. IF NO JOINTING PLAN IS SUBMITTED, THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR JOINTING LAYOUT.

STORM SEWER & DRAINAGE NOTES:
1. INVERTS SHOWN ON PLAN DRAWINGS ARE PIPE INVERTS UNLESS NOTED OTHERWISE.
2. ANY SUBSTITUTION FOR MATERIALS OR PROCEDURES MUST HAVE PRIOR WRITTEN APPROVAL OF THE CITY AND THE PROJECT ENGINEER.
3. THE CITY OF FARGO INSPECTIONS DEPARTMENT MUST BE NOTIFIED TO INSPECT THE CONNECTION OF THE SITE STORMWATER SYSTEM TO THE CITY STORMWATER SYSTEM. ENSURE THE EXCAVATION IS KEPT OPEN FOR INSPECTION.

EROSION & SEDIMENT CONTROL / SWPPP NOTES
1. IF THE LAND BOUNDARY DENOTED ON THE PLANS ENCOMPASSES MORE THAN 1 ACRE, A NOTICE OF INTENT TO OBTAIN A STORM WATER POLLUTION CONTROL PERMIT SHALL BE ACQUIRED BY THE CONTRACTOR AND OWNER FROM THE NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY 7 DAYS PRIOR TO CONSTRUCTION. THIS NOTICE OF INTENT SHALL BE PROVIDED WITH THE BUILDING PERMIT APPLICATION. CONTRACTOR IS RESPONSIBLE FOR NOI SUBMITTAL.
2. COPY OF NOI, COVERAGE LETTER FROM THE DOH AS WELL AS ALL MAINTENANCE AND INSPECTION RECORDS TO BE KEPT ON SITE AND AVAILABLE FOR REVIEW BY CITY, STATE OR FEDERAL OFFICIALS UPON REQUEST.
3. CONTRACTOR SHALL HAVE AN UPDATED SWPPP AVAILABLE ON SITE ANYTIME WORK IS BEING DONE. THIS DOCUMENT SHALL BE AVAILABLE FOR REVIEW BY CITY, STATE OR FEDERAL OFFICIALS UPON REQUEST. THE SWPPP SHALL BE IN ACCORDANCE WITH THE NORTH DAKOTA GENERAL PERMIT NO. NDR-11-0000 AND THE PLANS. THE ESC PLAN IS THE ENGINEER'S RECOMMENDATION FOR EROSION AND SEDIMENT CONTROL BASED ON THE DESIGN OF THE PROPOSED SITE. THIS DESIGN DOES NOT TAKE INTO EFFECT CONTRACTOR MEANS AND METHODS, CONSTRUCTION SCHEDULE, OR ORDER OF OPERATIONS. CONTRACTOR IS EXPECTED TO ADJUST DESIGN AS IS NECESSARY TO MEET THE REQUIREMENTS OF THE GENERAL PERMIT.
4. CONTRACTOR IS RESPONSIBLE FOR ALL EROSION AND SEDIMENT CONTROL ON THE SITE. THIS INCLUDES BUT IS NOT LIMITED TO STORM WATER EROSION, EROSION FROM PUMPING OPERATIONS, OFF SITE TRACKING, DUST CONTROL AND CONTROL OF ANY CONCRETE GRINDINGS OR SAW CUT DUST. CONTRACTOR IS ALSO RESPONSIBLE FOR ALL OTHER ITEMS AS REQUIRED IN THE GENERAL PERMIT.
5. INSPECTIONS SHALL BE COMPLETED AND DOCUMENTED BY THE CONTRACTOR AT LEAST ONCE EVERY 14 DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN ¼" IN 24 HOURS. A RAIN GAUGE SHALL BE ONSITE AND USED TO MAKE THIS DETERMINATION.
6. SITE SHALL BE STABILIZED WITHIN 14 DAYS OF COMPLETION OF WORK OR WITHIN 14 DAYS OF SUSPENSION OF WORK PER THE GENERAL PERMIT.
7. ALL EROSION AND SEDIMENT RELATED CONTROL AND ITEMS NEED TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS UNLESS OTHERWISE DICTATED IN THE PLANS.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL EXCESS TOPSOIL, EXCAVATED MATERIAL, RUBBISH, TRASH, DEBRIS, AND ORGANIC MATERIAL CONSISTENT WITH LOCAL LAW AND WITH THE GENERAL PERMIT.
9. CONTRACTOR IS RESPONSIBLE FOR ALL DE-WATERING AS NECESSARY TO MEET REQUIRED EXCAVATIONS AND GRADES. MUDDY WATER TO BE PUMPED FROM EXCAVATION AND WORK AREAS MUST BE HELD IN SETTLING BASINS OR FILTERED PRIOR TO ITS DISCHARGE INTO SURFACE WATERS OR STORM DRAINAGE SYSTEMS. WATER MUST BE DISCHARGED THROUGH A PIPE, WELL GRASSED OR LINED CHANNEL, OR OTHER EQUIVALENT MEANS SUCH THAT DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENTATION. THIS INCLUDES DE-WATERING OF RAINWATER, GROUND WATER, OR ANY OTHER WATER ON SITE CAUSING IMPACTS TO SITE CONSTRUCTION.
10. ALL DISTURBED AREAS SHALL BE SEEDED AND HYDROMULCHED UNLESS SHOWN OTHERWISE IN THE PLANS.
11. TOP SOIL OR OTHER SOIL/CLAY STOCKPILES ARE NOT TO BE LOCATED WITHIN FLOW PATHS, BASES OF ALL STOCKPILES SHALL BE SURROUNDED WITH SILT FENCE.
12. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE, SEDIMENT REMOVAL/CLEANING, AND REPLACEMENT AS REQUIRED FOR ALL EROSION AND SEDIMENT CONTROL ITEMS.
13. CONTRACTOR IS RESPONSIBLE FOR SWEEPING AND CLEANING ANY SEDIMENT TRACKED ONTO ADJACENT ROADWAYS DURING CONSTRUCTION AS NEEDED TO KEEP STREETS CLEAR OF SEDIMENT.
14. EROSION CONTROL BLANKET SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS FOR LAYDOWN PATTERN, REQUIRED OVERLAP WIDTH, TRENCHING, STAPLE PATTERN, ETC.
15. CHEMICAL STORAGE ONSITE SHALL BE IN COMPLIANCE WITH THE GENERAL PERMIT.
16. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF INLET PROTECTION THROUGHOUT THE DIFFERENT PHASES OF CONSTRUCTION REGARDLESS OF THE TYPE OF PROTECTION. THE QUANTITY FOR ONE (1) INLET PROTECTION SHALL COVER INSTALLATION, CLEANING, REPLACEMENT, ETC. FROM THE TIME THE MANHOLE IS SET UNTIL FINAL STABILIZATION OF THE ENTIRE AREA DRAINING TO THE INLET. FOR EXAMPLE: ONE (1) INLET PROTECTION QUANTITY MAY COVER BUT IS NOT LIMITED TO: SILT FENCE AROUND MANHOLE PRIOR TO LID AND CASTING BEING INSTALLED, REMOVAL OF SILT FENCE AROUND MANHOLE AFTER CASTING HAS BEEN INSTALLED, INSTALLATION OF DEVICE SUCH AS DANDY SACK INSIDE CASTING, REMOVAL OF SEDIMENT FROM DANDY SACK, REMOVAL OF DANDY SACK FROM CASTING AFTER ALL UPSTREAM AREAS ARE STABILIZED.
17. OWNER SHALL REFER TO THE STORMWATER MANAGEMENT PLAN FOR MAINTENANCE REQUIREMENTS OF THE PERMANENT STORMWATER QUANTITY/QUALITY CONTROL MEASURES.

DEMOLITION NOTES:
1. CONCRETE CURB AND GUTTER TO BE REMOVED SHALL BE SAW CUT IN FULL SECTIONS.
2. CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT FOR REMOVAL. PAVEMENT SHALL BE REMOVED IN FULL SECTIONS.
3. LIMITS OF STREET PATCHING AND PATCHING REQUIREMENTS SHALL BE VERIFIED WITH THE CITY OF FARGO.

SEEDING NOTES:
1. ALL SEEDING MIX SHALL CONSIST OF THE FOLLOWING:
   -PERENNIAL RYEGRASS = 50 LBS OF LIVE SEED PER ACRE
   -PARK KENTUCKY BLUEGRASS = 50 LBS OF LIVE SEED PER ACRE
   -DURAHARD FESCUE = 30 LBS OF LIVE SEED PER ACRE
   -TOTAL LBS PER ACRE = 130
   -FERTILIZER TYPE = 5-10-5
   -FERTILIZER APPLICATION RATE = 50 LBS PER ACRE
2. CULTIVATE OR DISK TOPSOIL TO A DEPTH OF APPROXIMATELY 3".
3. REMOVE MATERIALS GREATER THAN 1" IN DIAMETER THAT CANNOT BE BROKEN UP.
4. PLANT SEEDS TO A DEPTH BETWEEN $\frac{1}{4}$" AND $\frac{1}{2}$".
5. SEED ONLY WHEN WIND IS LESS THAN 15 MPH WHEN NOT USING A GRASS DRILL.
6. MULCHING SHALL BE USED IMMEDIATELY AFTER SEEDING TO PREVENT EROSION AND PROMOTE EARLIER VEGETATION COVER.
7. CONTRACTOR IS RESPONSIBLE FOR WATERING TO ESTABLISH GRASS GROWTH TO A HEIGHT OF 3" AND COVERAGE OF 90%.

TEMPORARY TRAFFIC CONTROL NOTES:
1. UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AN ATSSA CERTIFIED TRAFFIC CONTROL SUPERVISOR (TCS) AND ANY NECESSARY TEMPORARY TRAFFIC CONTROL DEVICES ON AND OFF-SITE INCLUDING OBTAINING ANY APPLICABLE PERMITS. THE CONTRACTOR SHALL IDENTIFY THE TCS AND PROVIDE PROOF OF CERTIFICATION AT A PRECONSTRUCTION MEETING.
2. UNLESS A TEMPORARY TRAFFIC CONTROL PLAN IS INCLUDED WITH THE DESIGN DOCUMENTS, CONTRACTOR SHALL SUBMIT A COPY OF THE APPROVED TRAFFIC CONTROL PLAN TO THE ENGINEER FOR REVIEW.
3. CONTRACTOR IS RESPONSIBLE TO INSTALL, INSPECT, MAINTAIN, AND REMOVE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE LATEST STANDARDS AND REQUIREMENTS OF THE MUTCD, STANDARD HIGHWAY SIGNS AND MARKINGS BOOK PUBLISHED BY THE FHWA, AND LOCAL REGULATIONS.
4. CHANGES TO THE TEMPORARY TRAFFIC CONTROL PLAN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE OWNER, ENGINEER, AND PERMITTING AUTHORITY IF APPLICABLE.

LEGEND

- EX. LIGHT POLE
- NEW LIGHT POLE
- EX. POWER POLE
- EX. GUY-LINE
- EX. CLEAN OUT
- NEW CLEAN OUT
- EX. SANITARY MANHOLE
- NEW SANITARY MANHOLE
- EX. STORM MANHOLE
- NEW STORM MANHOLE
- EX. STORM CATCH BASIN
- NEW STORM CATCH BASIN
- EX. CULVERT FLARED END
- NEW CULVERT FLARED END
- DRAINAGE FLOW DIRECTION
- EX. GATE VALVE
- NEW GATE VALVE
- EX. WATERLINE FITTINGS
- NEW WATERLINE FITTINGS
- NEW TAPPING SLEEVE & VALVE
- EX. HYDRANT
- NEW HYDRANT & VALVE
- PIPE INSULATION
- EX. SIGN
- NEW SIGN
- EX. STUMP
- EX. SHRUB
- EX. DECIDUOUS TREE
- EX. CONIFEROUS TREE
- EX. ELECTRICAL TRANSFORMER
- EX. UTILITY PEDISTAL
- ELEC MANHOLE EXIST

- NEW PROPERTY PIN SET
- EX. PROPERTY PIN FOUND
- RIGHT OF WAY MARKER
- PROJECT BENCHMARK
- BORING LOCATION
- HIGH WATER LINE
- PARKING COUNT
- DOWN SPOUT
- BOLLARD
- EX. FENCE
- NEW FENCE
- EX. GUARDRAIL
- SET BACK
- EX. EASEMENT
- NEW EASEMENT
- EX. PROPERTY LINE
- NEW ROW/PROPERTY LINE
- PROPERTY BOUNDARY LINE
- EX. CURB
- NEW CURB(INFLOW)
- NEW CURB(OUTFLOW)
- EX. RETAINING WALL
- NEW RETAINING WALL
- EX. SANITARY SEWER
- NEW SANITARY SEWER
- EX. SANITARY FORCE MAIN
- NEW SANITARY FORCE MAIN
- EX. WATER
- NEW WATER
- EX. STORM SEWER
- NEW STORM SEWER
- EX. DRAIN TILE
- NEW DRAIN TILE
- EX. STORM FORCE MAIN
- NEW STORM FORCE MAIN
- SILT FENCE

- EX. BUILDING FOOTPRINT
- NEW BUILDING FOOTPRINT
- EX. FIBER OPTIC
- EX. GAS LINE
- NEW GAS LINE
- EX. ELECTRIC
- NEW ELECTRIC
- EX. OVERHEAD ELECTRIC
- EX. CABLE TV
- EX. TELEPHONE
- EX. CONTOUR
- NEW CONTOUR
- GRADE BREAK/FLOW PATH
- CENTER LINE/SECTION LINE
- NEW TRACKS
- EX. TRACKS
- EX. ASPHALT PAVEMENT
- NEW ASPHALT PAVEMENT
- EX. CONCRETE PAVEMENT
- NEW CONCRETE PAVEMENT
- EX. GRAVEL SURFACE
- NEW GRAVEL SURFACE
- EX. SIDEWALK/FLATWORK
- NEW SIDEWALK/FLATWORK
- ACCESSIBLE (ADA) RAMP WITH TRUNCATED DOME PANEL
- STRIPING CROSSWALK
- STRIPING ADA ACCESSIBLE
- STRIPING TURN ARROWS
- SEEDING & HYDROMULCH
- SEEDING & EROSION CONTROL BLANKET

ABBREVIATIONS

ADJ	ADJACENT	ELEV	ELEVATION	PVIE	POINT OF VERTICAL INTERSECTION ELEVATION
ALT	ALTERNATE	ENCL	ENCLOSURE	PVIS	POINT OF VERTICAL INTERSECTION STATION
ARCH	ARCHITECT	E.O.P.	END OF PROJECT	PREFAB	PREFABRICATED
ACP	ASBESTOS CEMENT PIPE	E.J.	EXPANSION JOINT	PSI	POUNDS PER SQUARE INCH
BIT	BITUMINOUS	EX.	EXISTING	PVC	POLYVINYL CHLORIDE PIPE
BLDG	BUILDING	EX.A.	EACH WAY	PP	POWER POLE
BM	BENCHMARK	EVCE	END VERTICAL CURVE ELEVATION	R	RADIUS
B.O.	BY OWNER/BY OTHERS	EVCS	END VERTICAL CURVE STATION	RCP	REINFORCED CONCRETE PIPE
B.O.P.	BEGINNING OF PROJECT	FD	FIRE DEPARTMENT	RD	ROOF DRAIN
BV	BUTTERFLY VALVE	FFE	FIRST FLOOR ELEVATION	REQ'D	REQUIRED
BVCE	BEGINNING VERTICAL CURVE ELEVATION	FO	FIBER OPTICS	RIM	RIM OF INLET OR CASTING
BVCS	BEGINNING VERTICAL CURVE STATION	FTG	FOOTING	ROW	RIGHT OF WAY
C	CIVIL	G.C.	GENERAL CONTRACTOR	SAN	SANITARY
B.P.	CAST IRON	GALV	GALVANIZED	SS	SANITARY SEWER
CIP	CAST IRON PIPE	GAL	GALLON	ST	STORM
CU	COPPER	GRAN	GRANULAR	STD	STANDARD
CMP	CORRUGATED METAL PIPE	GV	GATE VALVE	SB	SOIL BORING
CJ	CONTROL JOINT	HDPE	HIGH DENSITY POLYETHYLENE	STRUCT	STRUCTURAL
CONC	CONCRETE	HORZ	HORIZONTAL	SF	SQUARE FEET
CF	CUBIC FEET	HB	HOSE BIB	SCH	SCHEDULE
CS	CURB STOP	HDCP	HANDICAPPED	SW	SIDEWALK
C.O.	CLEAN OUT	HYD	HYDRANT	T	TELEPHONE
CNTR	CENTER	I	INLET	TYP	TYPICAL
CONST	CONSTRUCTION	K	CURVATURE VALUE	UNEX	UN-EXCAVATED
CONTR	CONTRACTOR	M	MECHANICAL	UE	UTILITY EASEMENT
CY	CUBIC YARD	MH	MANHOLE	UGE	UNDERGROUND ELECTRIC
DIA	DIAMETER	MAX	MAXIMUM	UNO	UNLESS NOTED OTHERWISE
DIP	DUCTILE IRON PIPE	MIN	MINIMUM	VERT	VERTICAL
DEMO	DEMOLITION	M.J.	MECHANICAL JOINT	V	VERIFY
DTL	DETAIL	MISC.	MISCELLANEOUS	VCL	VERTICAL CURVE LENGTH
DIM	DIMENSION	NC	NON-CORROSIVE	VOL	VOLUME
DOM	DOMESTIC	NOM	NOMINAL	VCP	VITRIFIED CLAY PIPE
D.S.	DOWN SPOUT	NIC	NOT IN CONTRACT	W/	WITH
DWG	DRAWING	NTS	NOT TO SCALE	W/O	WITH OUT
DWL	DOWEL	OD	OUTSIDE DIMENSION	WTH	WIDTH
EA	EACH	OCEW	ON CENTER EACH WAY	W	WATER
ELEC	ELECTRIC	OC	ON CENTER		
		OHE	OVERHEAD ELECTRIC		
		P.C.	PRECAST CONCRETE		

ICON
ARCHITECTURAL GROUP
4000 GARDEN VIEW DRIVE, SUITE 101
GRAND FORKS, ND 58201
P. 701.772.4266 | F. 701.772.4275
WWW.ICONARCHITECTS.COM

FARGO PUBLIC SCHOOLS

LONGFELLOW ELEMENTARY
20 29TH AVE NE
FARGO, ND 58102

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MARTIN MECHANICAL DESIGN
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FARGO, ND 58102
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2201 12TH ST N STE E
FARGO, ND 58102
(701) 280.0500 OFFICE

CIVIL
LOWRY ENGINEERING
5306 51ST AVE S STE A
FARGO, ND 58104
(701) 235.0199 OFFICE

REGISTERED PROFESSIONAL ENGINEER
DREW MESSMER
PE-40221
DATE: 12/18/24
NORTH DAKOTA

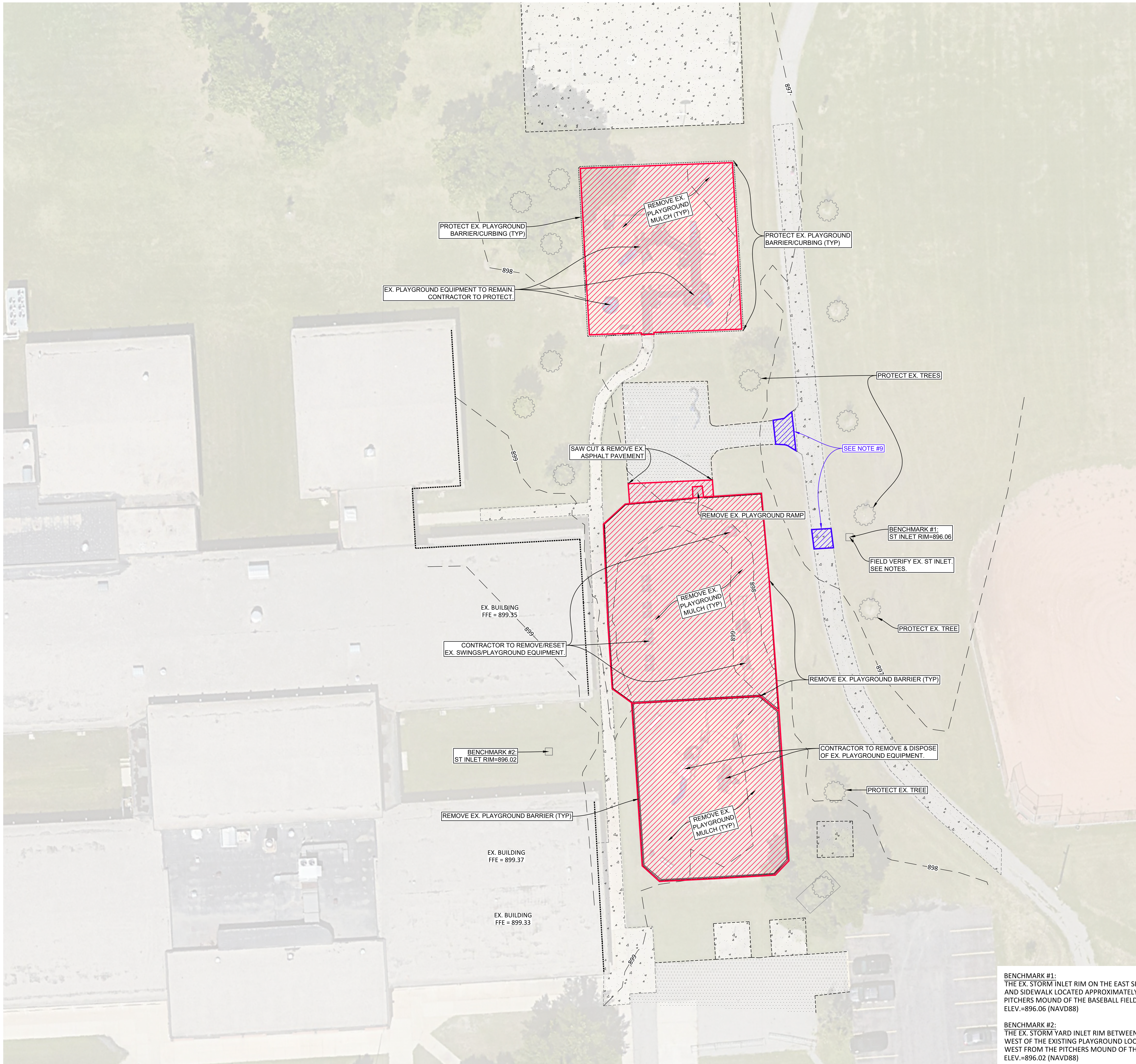
DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/30/24

DRAWN BY: JT / KD JN: 24-060

GENERAL NOTES & LEGEND
LONGFELLOW

SHEET
LO-C2



BENCHMARK #1:
THE EX. STORM INLET RIM ON THE EAST SIDE OF THE EXISTING PLAYGROUND AND SIDEWALK LOCATED APPROXIMATELY 127 FEET NORTH WEST FROM THE PITCHERS MOUND OF THE BASEBALL FIELD.
ELEV.=896.06 (NAVD88)

BENCHMARK #2:
THE EX. STORM YARD INLET RIM BETWEEN THE TWO BUILDINGS TO THE WEST OF THE EXISTING PLAYGROUND LOCATED APPROXIMATELY 231 FEET WEST FROM THE PITCHERS MOUND OF THE BASEBALL FIELD.
ELEV.=896.02 (NAVD88)

BASIS OF BEARING: CITY OF FARGO COORDINATE SYSTEM (NAD83)

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DEMOLITION CALLOUTS*		
ITEM	QUANTITY	UNIT
REMOVE EX. CONCRETE SIDEWALK	12	SY
REMOVE EX. PLAYGROUND MULCH	500	SY

* EACH SY OF PAVEMENT REMOVALS SHALL INCLUDE REMOVAL OF EXISTING BASE, GEOFABRIC, AND SUBGRADE OF UP TO 12" BELOW FINISHED DESIGN GRADE OF NEW PAVEMENT AREAS.

- REMOVAL AREAS

- CONTRACTOR DETERMINED REMOVAL & REPLACEMENT AREAS

BASE BID NOTES:
1. QUANTITIES ARE ENGINEERS ESTIMATES ONLY. CONTRACTOR SHALL DETERMINE THEIR OWN QUANTITIES AND BID ACCORDINGLY.
2. EXISTING CONDITIONS SHOWN ARE BASED ON OBSERVATIONS AT THE TIME THE SURVEY WAS COMPLETED. THE CONTRACTOR IS ENCOURAGED TO VISIT THE SITE IN ORDER TO BID APPROPRIATELY. QUANTITIES SHOWN AS ESTIMATES.
3. DEPTH OF EXISTING DRY UTILITIES ARE UNKNOWN. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR CROSSINGS AND IMPACTS.
4. EXISTING PAVEMENT DEPTHS ARE UNKNOWN. CONTRACTOR SHALL SAW CUT AND REMOVE EXISTING PAVEMENT AREAS IN FULL SECTIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY TO EVALUATE OR RESOLVE THE ISSUE.
5. CONTRACTOR SHALL SAW CUT AND REPLACE ANY EXISTING PAVEMENT DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST.
6. ANY PLATFORMS OR PLAY ELEMENTS WITHIN 2'-6" A.F.F. OF THE INTENDED FINISHED SURFACE ELEVATION SHALL BE DISMANTLED, & STORED/PROTECTED & REINSTALLED. ALL VERTICAL STRUCTURAL POLES SHALL REMAIN IN PLACE.
7. CONCRETE CONTRACTOR TO SAW CUT OR FIELD FORM DIAMONDS AT EACH EXISTING VERTICAL POLE (1'-6" X 1'-6"). THESE DIAMOND AREAS TO BE POURED SEPARATELY. CONTRACTOR TO WRAP EXPANSION JOINT MATERIAL AROUND THE POLES BEFORE POURING CONCRETE.
8. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL DETERMINE THE EXACT AMOUNT OF EXISTING SIDEWALK PAVEMENT TO BE REMOVED AND REPLACED/PATCHED NECESSARY TO CONNECT THE PROPOSED STORM PIPE TO THE EXISTING PLAYGROUND STORM DRAIN INLET, ACCORDING TO THE CONTRACTOR'S AVAILABLE EQUIPMENT AND ABILITY TO INSTALL THE STORM PIPE PIECE. CONTRACTOR IS RESPONSIBLE FOR THEIR OWN QUANTITIES AS IT RELATES TO THE SIZE OF THE NECESSARY OPEN CUT/PATCHING NEEDED FOR THE PROPOSED STORM TIE-IN.
9. DEMOLITION QUANTITIES DO NOT INCLUDE "CONTRACTOR DETERMINED REMOVAL AREAS". CONTRACTOR SHALL REPLACE AREAS TO MATCH EXISTING CROSS SECTIONS AND MATERIALS.
10. TOPOGRAPHIC SURVEY WAS CONDUCTED BY LOWRY ENGINEERING ON NOVEMBER 26, 2024.
11. TOPOGRAPHIC SURVEY WAS COMPLETED DURING WINTER MONTHS. UTILITY LOCATES AND OTHER FEATURES THAT ARE INACCESSIBLE DUE TO WINTER CONDITIONS MAY HAVE LIMITED ACCURACY. CONTRACTOR SHALL VERIFY LOCATIONS/INVERTS PRIOR TO CONSTRUCTION.
10. **PRIOR TO CONSTRUCTION OR ORDERING OF ANY MATERIALS, CONTRACTOR SHALL FIELD INVESTIGATE/POTHOLE EXISTING STORM DRAIN INLET, EAST OF EXISTING PLAYGROUND AREAS, TO IDENTIFY EXACT STORM PIPE SIZES, CONNECTION DIRECTIONS, AND INVERT ELEVATIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY TO EVALUATE FINAL DESIGN.**

ALTERNATE #1 - DEMOLITION CALLOUTS*		
ITEM	QUANTITY	UNIT
REMOVE EX. ASPHALT PAVEMENT	30	SY
REMOVE EX. PLAYGROUND BARRIER	500	LF
REMOVE EX. PLAYGROUND MULCH	1,110	SY
REMOVE EX. PLAYGROUND RAMP	1	EA
REMOVE EX. PLAYGROUND EQUIPMENT	1	LS

* EACH SY OF PAVEMENT REMOVALS SHALL INCLUDE REMOVAL OF EXISTING BASE, GEOFABRIC, AND SUBGRADE OF UP TO 12" BELOW FINISHED DESIGN GRADE OF NEW PAVEMENT AREAS.

ALTERNATE #1 NOTES:
1. IF THE ALTERNATIVE PLAYGROUND IMPROVEMENTS ARE CHOSEN FOR THE EXISTING PLAYGROUND AREAS, THE CONTRACTOR SHALL COORDINATE WITH FARGO PUBLIC SCHOOLS ON THE EXACT LOCATIONS FOR THE SALVAGED/NEW PLAYGROUND EQUIPMENT TO BE REINSTALLED.
2. QUANTITIES ARE ENGINEERS ESTIMATES ONLY. CONTRACTOR SHALL DETERMINE THEIR OWN QUANTITIES AND BID ACCORDINGLY.

ICON ARCHITECTURAL GROUP
4000 GARDEN VIEW DRIVE, SUITE 101
GRAND FORKS, ND 58201
P. 701.772.4266 | F. 701.772.4275
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LONGFELLOW ELEMENTARY
20 29TH AVE NE
FARGO, ND 58102

MECHANICAL
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FARGO, ND 58102
(701) 293.7957 OFFICE

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2201 12TH ST N STE E
FARGO, ND 58102
(701) 280.0500 OFFICE

CIVIL
LOWRY ENGINEERING
5306 51ST AVE S STE A
FARGO, ND 58104
(701) 235.0199 OFFICE

REGISTERED PROFESSIONAL ENGINEER
PE-10221
DATE 12/18/24
NORTH DAKOTA

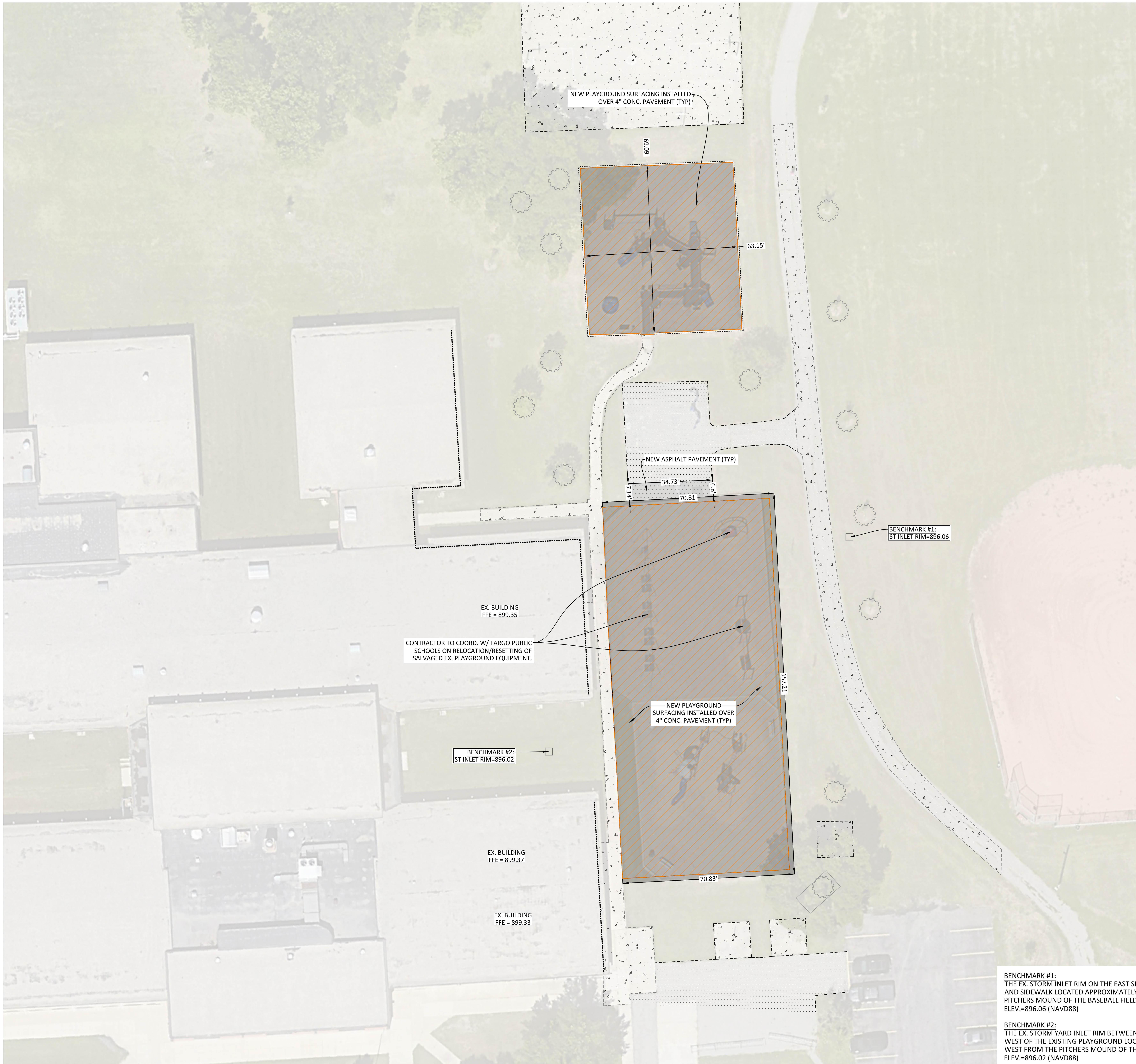
DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/30/24

DRAWN BY: JT / KD
JN: 24-060

SURVEY OVERLAY & DEMOLITION PLAN LONGFELLOW

SHEET
LO-C3



ESTIMATED SITE QUANTITIES*		
ITEM	QUANTITY	UNIT
SUBGRADE PREPARATION	490	SY
NDDOT TYPE R1 GEOSYNTHETIC FABRIC	490	SY
NDDOT CLASS 5 AGGREGATE	85	CY
CONCRETE PLAYGROUND PAVEMENT - FLATWORK 4"	490	SY
PLAYGROUND SURFACING	490	SY

* ALL BLACK DIRT/SEEDING/GRADING ADJACENT TO NEW CURBING AND PAVEMENT AREAS, FOR PIPE INSTALLATION AND ANY GRADING AS DESIGNATED IN THE PLANS, ARE INCIDENTAL TO THE PROJECT. WATERING THE SEEDING UNTIL IT IS FULLY ESTABLISHED IS INCIDENTAL TO THE PROJECT.

BASE BID NOTES:

1. QUANTITIES ARE ENGINEERS ESTIMATES ONLY. CONTRACTOR SHALL DETERMINE THEIR OWN QUANTITIES AND BID ACCORDINGLY.
2. AGGREGATE BASE QUANTITY ASSUMES IT EXTENDS TO 1' BEYOND BACK OF CURB OR EDGE OF PAVEMENT UNLESS ADJACENT TO STRUCTURE OR EXISTING PAVEMENT SAW CUT SECTIONS.
3. AGGREGATE BASE QUANTITIES ARE BASED ON IN PLACE VOLUME.
4. GEOTEXTILE FABRIC PANELS SHALL BE A MINIMUM OF 12' WIDE AND INSTALLED WITH A MINIMUM OVERLAP OF 18" WITH JOINTS ORIENTATED TO FOLLOW TRAFFIC MOVEMENT. GEOTEXTILE FABRIC SHALL EXTENDS TO 1' BEYOND THE BACK OF CURB OR EDGE OF PAVEMENT UNLESS ADJACENT TO STRUCTURE OR EXISTING PAVEMENT SAW CUT SECTIONS.
5. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO DETERMINE THE EXACT AMOUNT AND LOCATIONS OF THE EXISTING CURBING/SIDEWALK/PAVEMENT TO BE REMOVED AND REPLACED/PATCHED NECESSARY FOR THE PROJECT IMPROVEMENTS.

- PLAYGROUND SURFACING OVER CONCRETE FLATWORK.
- SEE ARCH. FOR DETAILS/SPECS ON SURFACING.
- SEE CIVIL FOR DETAILS/SPECS ON CONCRETE FLAT WORK & GRADING

ALTERNATE #1 - ESTIMATED SITE QUANTITIES*		
ITEM	QUANTITY	UNIT
SUBGRADE PREPARATION	1,280	SY
NDDOT TYPE R1 GEOSYNTHETIC FABRIC	1,280	SY
NDDOT CLASS 5 AGGREGATE	220	CY
PLAYGROUND SURFACE MAT	1,190	SY
CONCRETE PLAYGROUND PAVEMENT - FLATWORK 4"	1,250	SY
PLAYGROUND EQUIPMENT	1	LS

* ALL BLACK DIRT/SEEDING/GRADING ADJACENT TO NEW CURBING AND PAVEMENT AREAS, FOR PIPE INSTALLATION AND ANY GRADING AS DESIGNATED IN THE PLANS, ARE INCIDENTAL TO THE PROJECT. WATERING THE SEEDING UNTIL IT IS FULLY ESTABLISHED IS INCIDENTAL TO THE PROJECT.

ALTERNATE #1 NOTES:

1. IF THE ALTERNATIVE PLAYGROUND IMPROVEMENTS ARE CHOSEN FOR THE EXISTING PLAYGROUND AREAS, THE CONTRACTOR SHALL COORDINATE WITH FARGO PUBLIC SCHOOLS ON THE EXACT LOCATIONS FOR THE SALVAGED/NEW PLAYGROUND EQUIPMENT TO BE REINSTALLED.
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BENCHMARK #1:
THE EX. STORM INLET RIM ON THE EAST SIDE OF THE EXISTING PLAYGROUND AND SIDEWALK LOCATED APPROXIMATELY 127 FEET NORTH WEST FROM THE PITCHERS MOUND OF THE BASEBALL FIELD.
ELEV.=896.06 (NAVD88)

BENCHMARK #2:
THE EX. STORM YARD INLET RIM BETWEEN THE TWO BUILDINGS TO THE WEST OF THE EXISTING PLAYGROUND LOCATED APPROXIMATELY 231 FEET WEST FROM THE PITCHERS MOUND OF THE BASEBALL FIELD.
ELEV.=896.02 (NAVD88)

BASIS OF BEARING: CITY OF FARGO COORDINATE SYSTEM (NAD83)

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FARGO, ND 58104
(701) 235.0199 OFFICE

REGISTERED PROFESSIONAL ENGINEER
DREW MESSMER
PE-40221
DATE: 12/18/24
NORTH DAKOTA

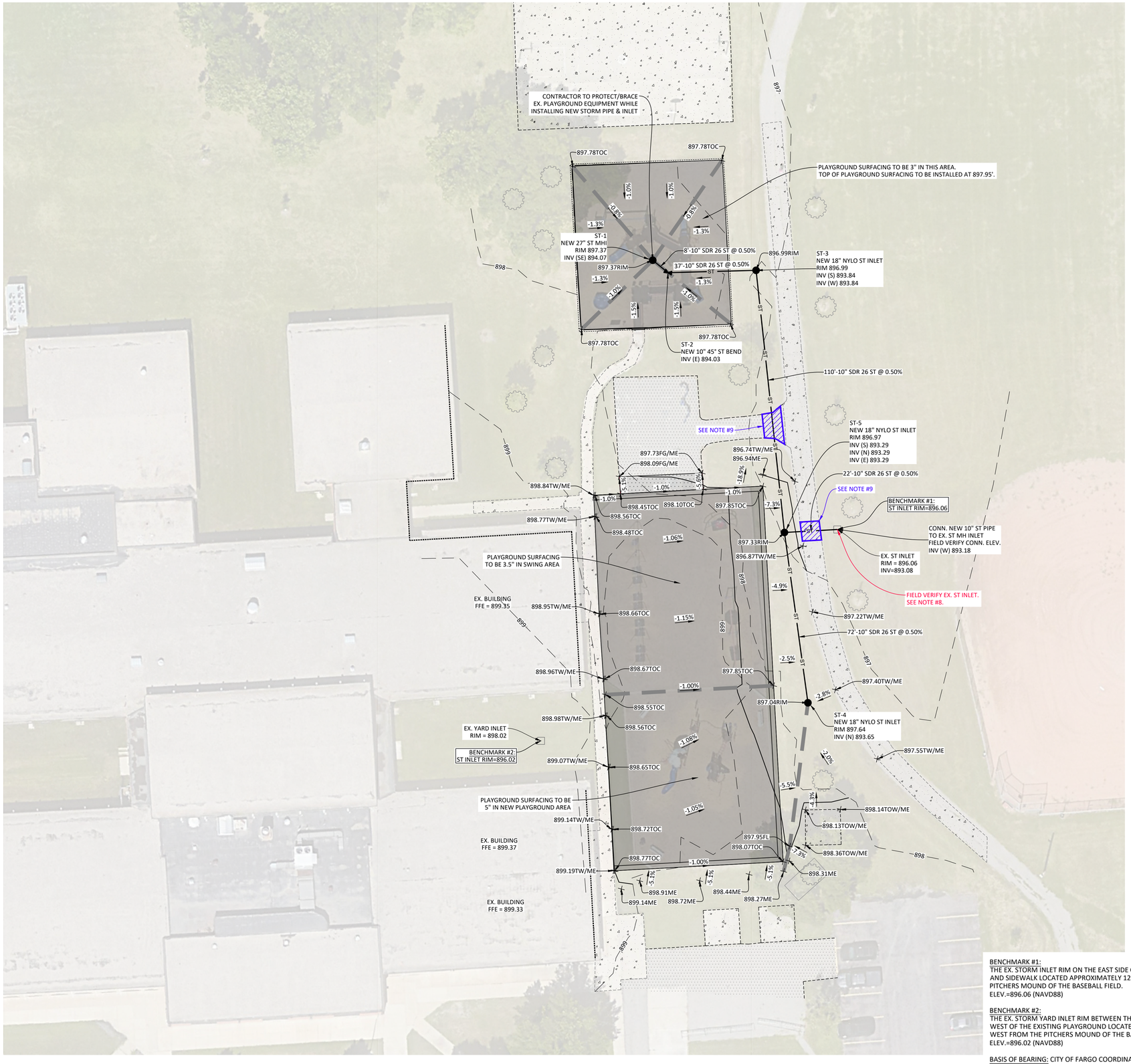
DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/30/24

DRAWN BY: JT / KD
JN: 24-060

OVERALL SITE PLAN LONGFELLOW

SHEET
LO-C4



NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR CALCULATING THEIR OWN EARTHWORK/GRADING TAKEOFF QUANTITIES FOR THE PROPOSED SITE.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS ENCOURAGED TO VISIT THE SITE TO BETTER DETERMINE THE NECESSARY AMOUNT OF STRIPPING TO OCCUR THROUGHOUT THE SITE.
3. TOPSOIL SHALL NOT BE USED AS FILL UNDER THE PAVEMENT AREAS.
4. NEW INLET CASTING WITHIN THE PLAYGROUND AREA SHALL BE EJIW 1205 TYPE M GRATE OR APPROVED EQUAL. CONTRACTOR TO INSTALL SCREEN OVER TOP OF CASTING, PER SURFACING MANUFACTURER RECOMMENDATIONS, PRIOR TO INSTALLATION OF RUBBER PLAYGROUND MAT SURFACING.
5. NEW NYLOPLAST INLET CASTINGS SHALL BE BEEHIVE STYLE GRATE.
6. IF ANY POTENTIAL UTILITY CONFLICTS OR PIPE COVER CONCERNS ARE DISCOVERED, CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY TO EVALUATE OR RESOLVE THE ISSUE.
8. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL DETERMINE THE EXACT AMOUNT OF EXISTING SIDEWALK PAVEMENT TO BE REMOVED AND REPLACED/PATCHED NECESSARY TO CONNECT THE PROPOSED STORM PIPE TO THE EXISTING PLAYGROUND STORM DRAIN INLET, ACCORDING TO THE CONTRACTOR'S AVAILABLE EQUIPMENT AND ABILITY TO INSTALL THE STORM PIPE PIECE. CONTRACTOR IS RESPONSIBLE FOR THEIR OWN QUANTITIES AS IT RELATES TO THE SIZE OF THE NECESSARY OPEN CUT/PATCHING NEEDED FOR THE PROPOSED STORM TIE-IN.
9. DEMOLITION QUANTITIES DO NOT INCLUDE "CONTRACTOR DETERMINED REMOVAL AREAS". CONTRACTOR SHALL REPLACE AREAS TO MATCH EXISTING CROSS SECTIONS AND MATERIALS.
10. **PRIOR TO CONSTRUCTION OR ORDERING OF ANY MATERIALS, CONTRACTOR SHALL FIELD INVESTIGATE/POTHOLE EXISTING STORM DRAIN INLET, EAST OF EXISTING PLAYGROUND AREAS, TO IDENTIFY EXACT STORM PIPE SIZES, CONNECTION DIRECTIONS, AND INVERT ELEVATIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY TO EVALUATE FINAL DESIGN.**

- CONTRACTOR DETERMINED REMOVAL & REPLACEMENT AREAS

GRADE BREAK / FLOW PATH

FG	FINISH GROUND
FL	FLOWLINE
HP	HIGH POINT
LP	LOW POINT
ME	MATCH EXISTING GROUND
RIM	STRUCTURE RIM ELEVATION
TC	TOP OF CURB/THICKENED EDGE
TOC	TOP OF CONCRETE
TW	TOP OF WALK

BENCHMARK #1:
THE EX. STORM INLET RIM ON THE EAST SIDE OF THE EXISTING PLAYGROUND AND SIDEWALK LOCATED APPROXIMATELY 127 FEET NORTH WEST FROM THE PITCHERS MOUND OF THE BASEBALL FIELD.
ELEV.=896.06 (NAVD88)

BENCHMARK #2:
THE EX. STORM YARD INLET RIM BETWEEN THE TWO BUILDINGS TO THE WEST OF THE EXISTING PLAYGROUND LOCATED APPROXIMATELY 231 FEET WEST FROM THE PITCHERS MOUND OF THE BASEBALL FIELD.
ELEV.=896.02 (NAVD88)

BASIS OF BEARING: CITY OF FARGO COORDINATE SYSTEM (NAD83)

N

0 20 40

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(701) 235.0199 OFFICE

REGISTERED PROFESSIONAL ENGINEER
DREW LOWRY
PE - 10221
DATE: 12/18/24
NORTH DAKOTA

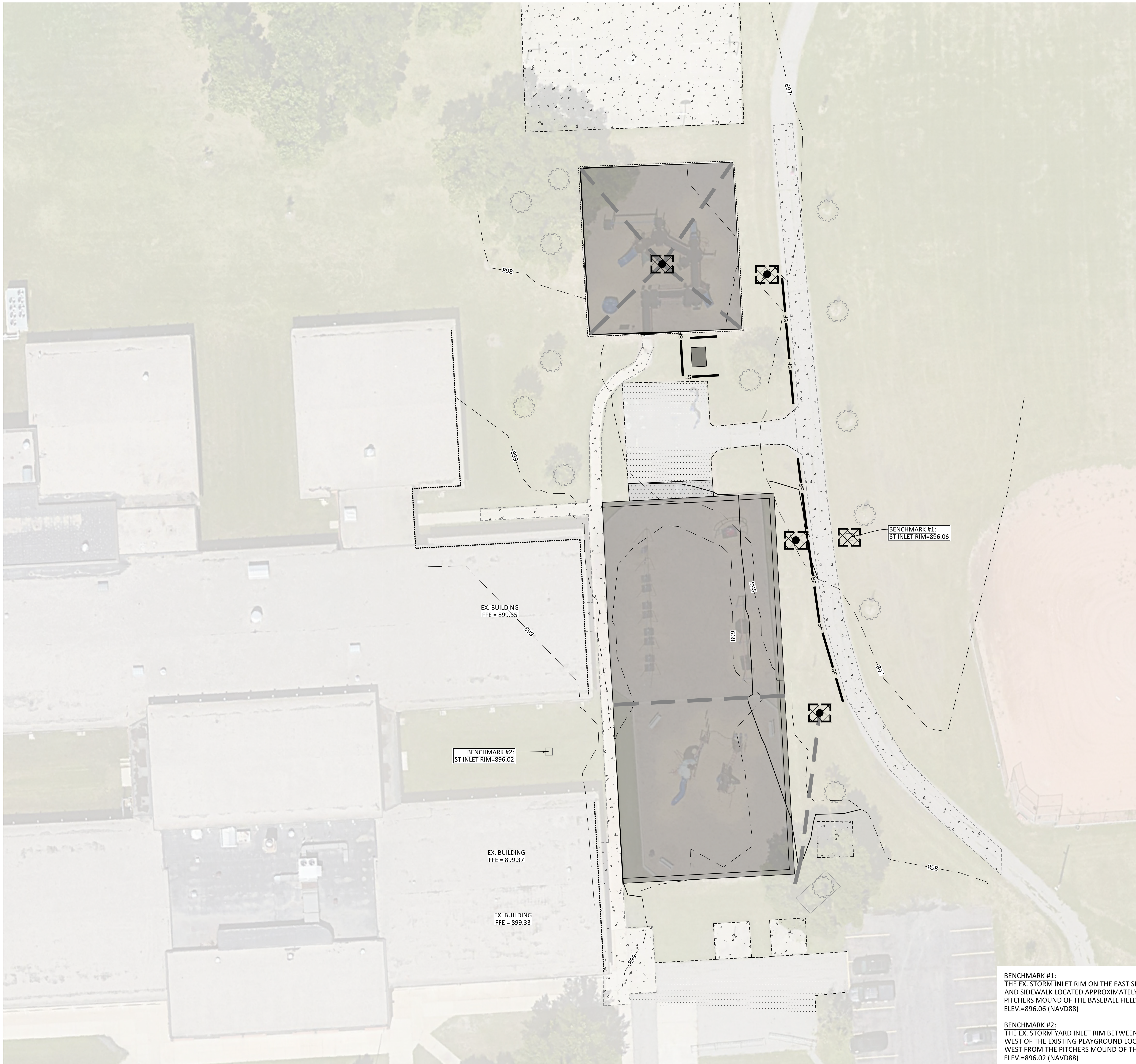
DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/30/24

DRAWN BY: JT / KD JN: 24-060

GRADING & UTILITY PLAN LONGFELLOW

SHEET
LO-C5



EROSION CONTROL LEGEND*			
SF	SILT FENCE	200	LF
	STANDARD INLET PROTECTION	5	EA
	CONCRETE WASHOUT	1	EA

* ALL BLACK DIRT/SEEDING/GRADING ADJACENT TO NEW CURBING AND PAVEMENT AREAS, FOR PIPE INSTALLATION AND ANY GRADING AS DESIGNATED IN THE PLANS, ARE INCIDENTAL TO THE PROJECT. WATERING THE SEEDING UNTIL IT IS FULLY ESTABLISHED IS INCIDENTAL TO THE PROJECT.

NOTES:

1. QUANTITIES ARE ENGINEERS ESTIMATES ONLY. CONTRACTOR SHALL DETERMINE THEIR OWN QUANTITIES AND BID ACCORDINGLY.
2. CONTRACTOR SHALL FOLLOW NDDOT STORMWATER POLLUTION PREVENTION STANDARDS FOR ALL EROSION CONTROL DURING CONSTRUCTION.
3. CONTRACTOR SHALL INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS PRIOR TO ANY LAND DISTURBING ACTIVITY.
4. CONTRACTOR SHALL INSTALL EROSION CONTROL BLANKET PER MANUFACTURER'S SPECIFICATIONS.
5. IF CONCRETE WASHOUT WILL OCCUR ONSITE, CONTRACTOR SHALL COORDINATE LOCATION WITH OWNER AND ENGINEER.
6. INLET PROTECTION SHALL BE BY WIMCO OR ADS PRODUCTS, ERTEC, FLEXSTORM, OR APPROVED EQUAL AND INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
7. CONTRACTOR IS RESPONSIBLE FOR SWEEPING AND CLEANING ADJACENT STREETS DURING CONSTRUCTION TO PREVENT SEDIMENT RUNOFF TO CITY STORM SYSTEM.
8. CONTRACTOR SHALL LEAVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES IN PLACE UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
9. CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MAINTENANCE, REPLACEMENT IF NECESSARY, REMOVAL, ETC OF ANY AND ALL PROTECTION MEASURES NEEDED FROM THE START OF CONSTRUCTION UNTIL FINAL PERMANENT STABILIZATION IS ACHIEVED.

BENCHMARK #1:
THE EX. STORM INLET RIM ON THE EAST SIDE OF THE EXISTING PLAYGROUND AND SIDEWALK LOCATED APPROXIMATELY 127 FEET NORTH WEST FROM THE PITCHERS MOUND OF THE BASEBALL FIELD.
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ELEV.=896.02 (NAVD88)

BASIS OF BEARING: CITY OF FARGO COORDINATE SYSTEM (NAD83)

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FARGO, ND 58102

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FARGO, ND 58102
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CIVIL
LOWRY ENGINEERING
5306 51ST AVE S STE A
FARGO, ND 58104
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REGISTERED PROFESSIONAL ENGINEER
DREW MESSMER
PE-40221
DATE: 12/18/24
NORTH DAKOTA

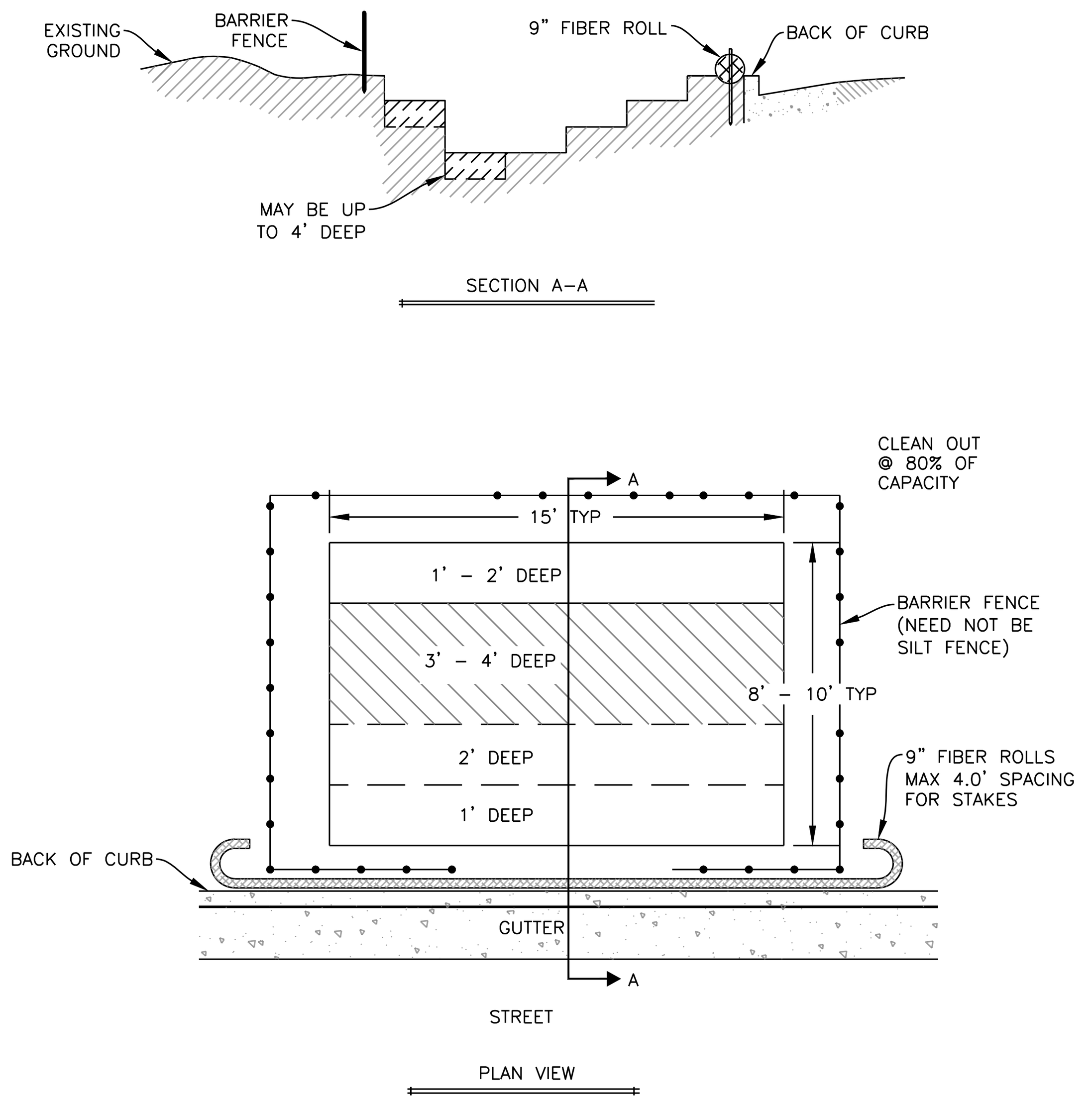
DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/30/24

DRAWN BY: JT / KD
JN: 24-060

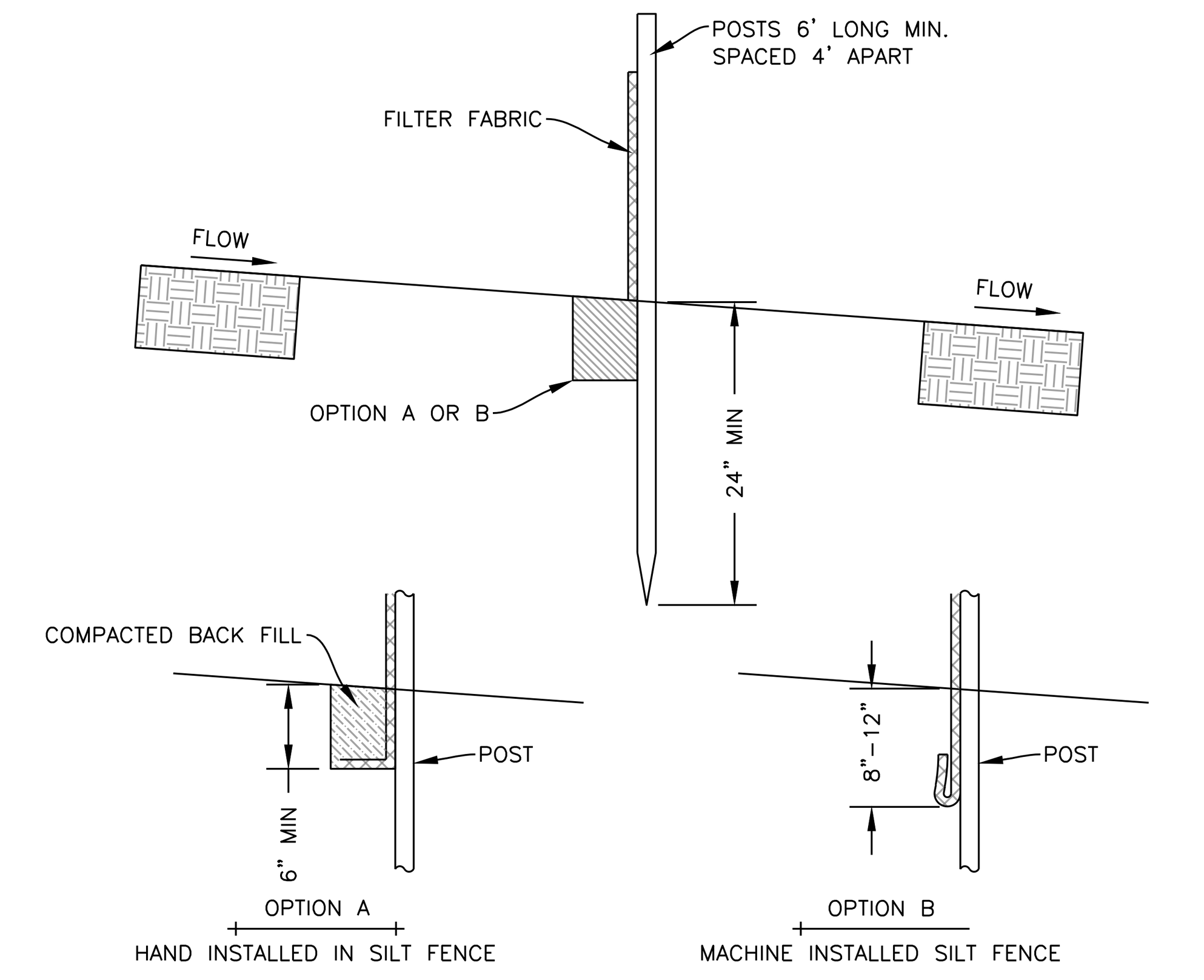
EROSION & SEDIMENT CONTROL PLAN LONGFELLOW

SHEET
LO-C6



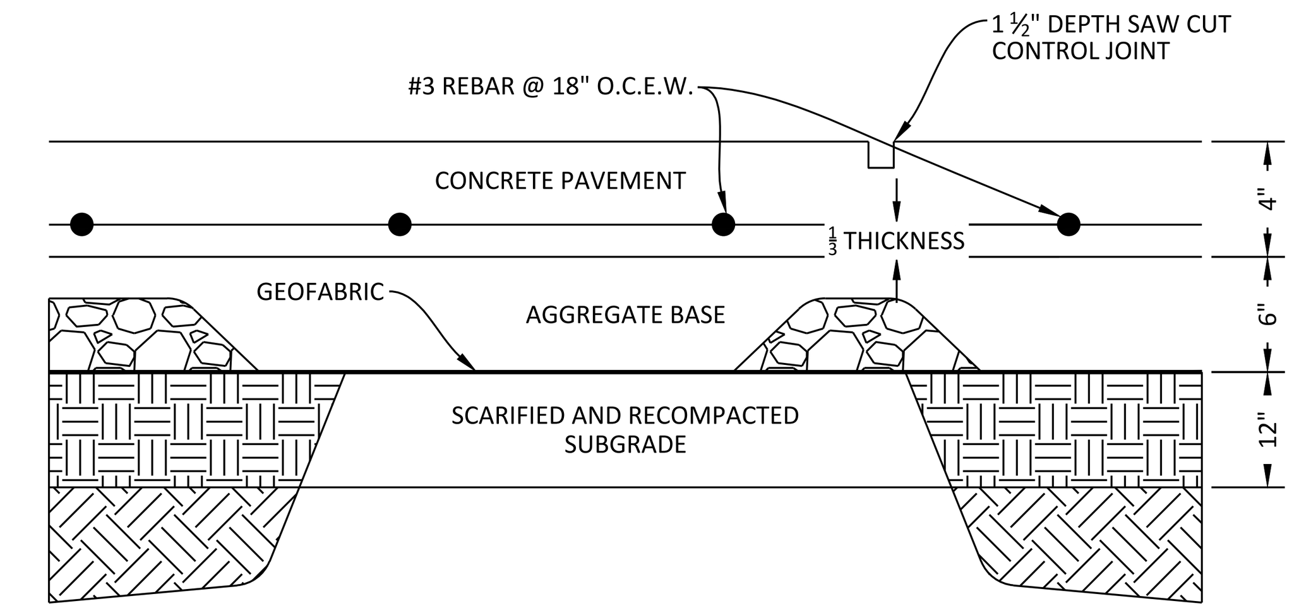
NOTE:
1. CONCRETE WASH OUT IS NOT REQUIRED IF CONTRACTOR IS PERFORMING WASHOUT ACTIVITIES OFF-SITE IN A LEGAL AND APPROPRIATE MANNER.

1 CONCRETE WASHOUT
N.T.S.



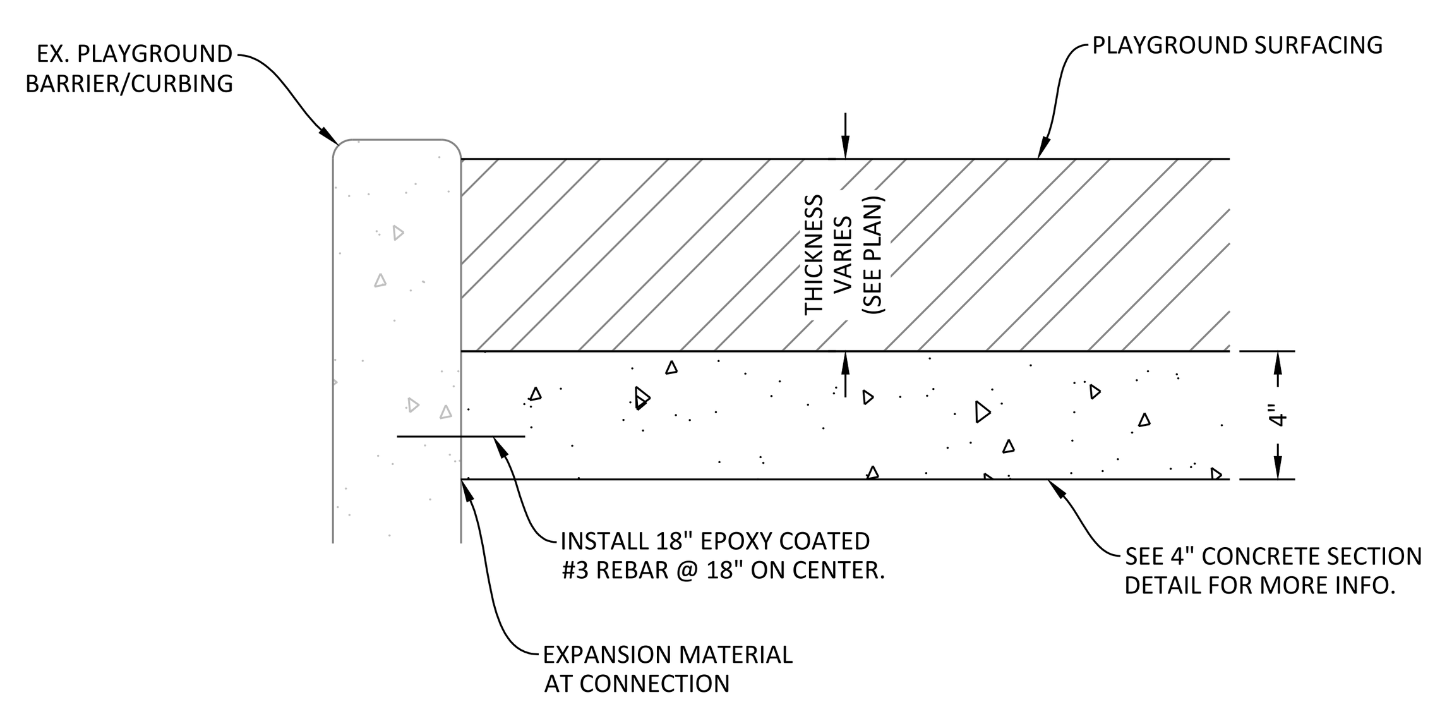
NOTES:
1. POSTS SHALL BE 2 INCH DIAMETER ROUND WOOD, 1.5 INCH RECTANGULAR WOOD, OR STEEL WITH A MINIMUM OF 0.95 POUNDS PER FOOT AND HAVE PROJECTIONS FOR FASTENING WIRE OR FABRIC.
2. FILTER FABRIC SHALL BE AS SPECIFIED IN AASHTO M 288 WITH A MINIMUM WIDTH OF 36 INCHES.
3. SILT FENCE SHALL BE INSTALLED ALONG THE CONTOURS OF THE SITE SO WATER CANNOT FLOW AROUND THE END OF THE FENCE.
4. IF JOINING TWO SECTION OF FILTER FABRIC, OVERLAP AT SUPPORT POSTS A MINIMUM OF 18 INCHES IN SUCH A MANNER THAT PREVENTS SILT FROM PASSING THROUGH THE FENCE.
5. REMOVE SEDIMENT FROM SILT FENCE WHEN IT REACHES $\frac{1}{3}$ OF THE EXPOSED HEIGHT OF ANY SECTION, OR AS DIRECTED BY THE ENGINEER. THE ENGINEER MAY DIRECT THE INSTALLATION OF ADDITIONAL SILT FENCE IF REMOVING THE SEDIMENT DEPOSIT IS NOT FEASIBLE.
6. SILT FENCE SHALL BE INSPECTED EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS OF ANY STORM EVENT GREATER THAN $\frac{1}{4}$" OF RAIN PER 24 HOUR PERIOD.

2 SILT FENCE INSTALLATION
N.T.S.

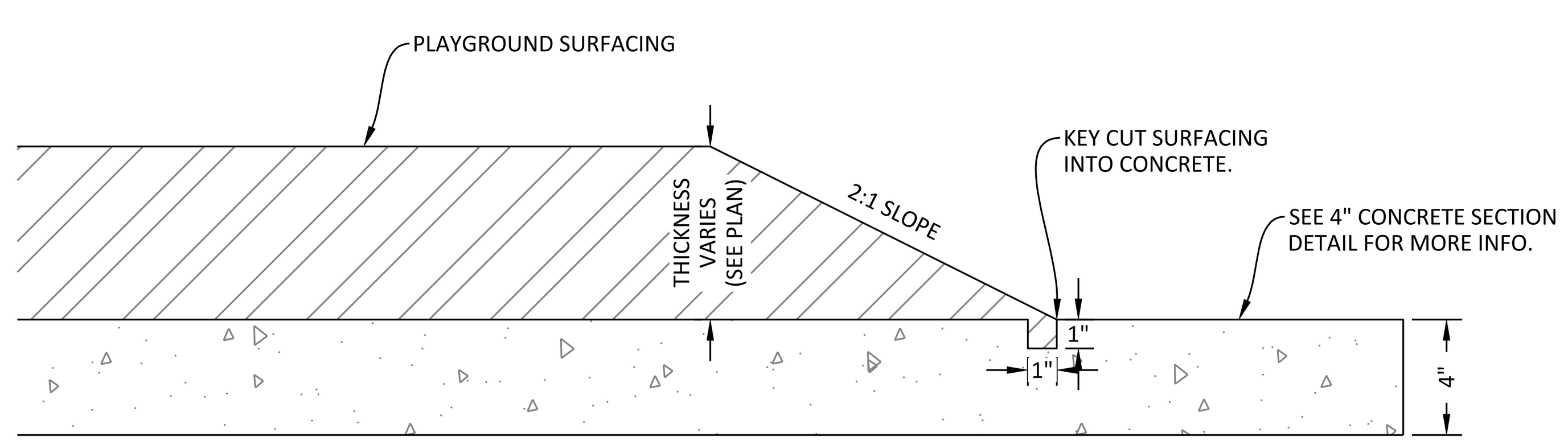


NOTES:
1. PROVIDE SAWCUT CONTROL JOINTS AT 8' MAXIMUM SPACING EACH WAY.
2. PROVIDE #3 REBAR @ 18" O.C. AT CONNECTION TO CURB & GUTTER, THICKENED EDGE SIDEWALK, EXISTING CONCRETE, AND CONSTRUCTION JOINTS.
3. PROVIDE ½" EXPANSION MATERIAL ADJACENT TO BUILDINGS AND ANY OTHER FIXED OBJECTS SUCH AS LIGHT POLE BASES, SIGN FOUNDATIONS, ETC. AND AT CONNECTIONS TO EXISTING CONCRETE.
4. NDDOT TYPE R1 FABRIC SHALL BE PLACED UNDER AGGREGATE BASE PER NDDOT SPECIFICATIONS.
5. REBAR SHALL BE SUPPORTED BY CHAIRS.
6. NO CONCRETE CURING COMPOUND SHALL BE APPLIED ON THE EXTERIOR PLAYGROUND CONCRETE SURFACES.

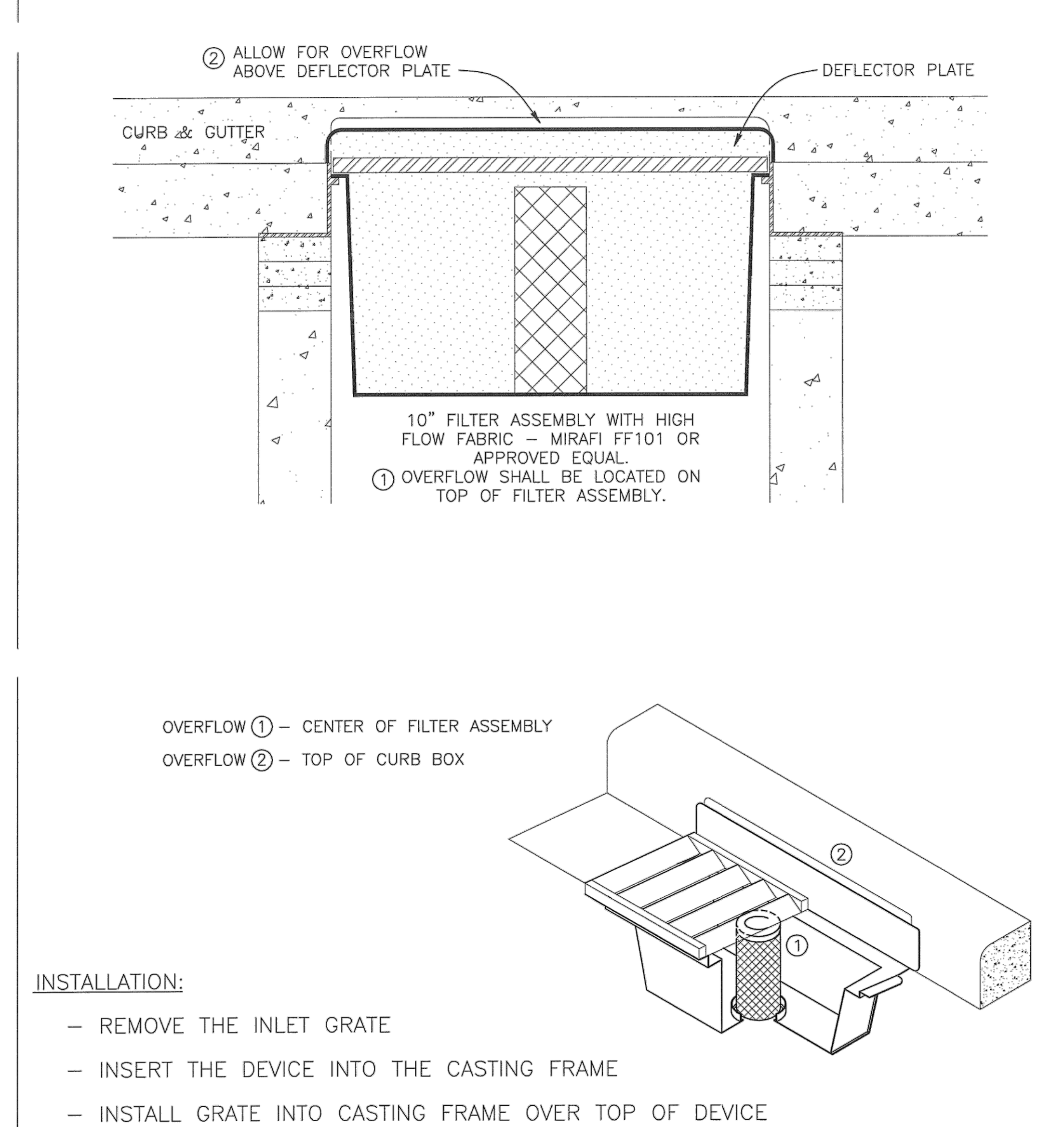
3 PLAYGROUND SURFACE PAD REINFORCED CONCRETE CROSS SECTION
N.T.S.



4 PLAYGROUND SURFACE PERIMETER DETAIL (BASE BID AREA)
N.T.S.



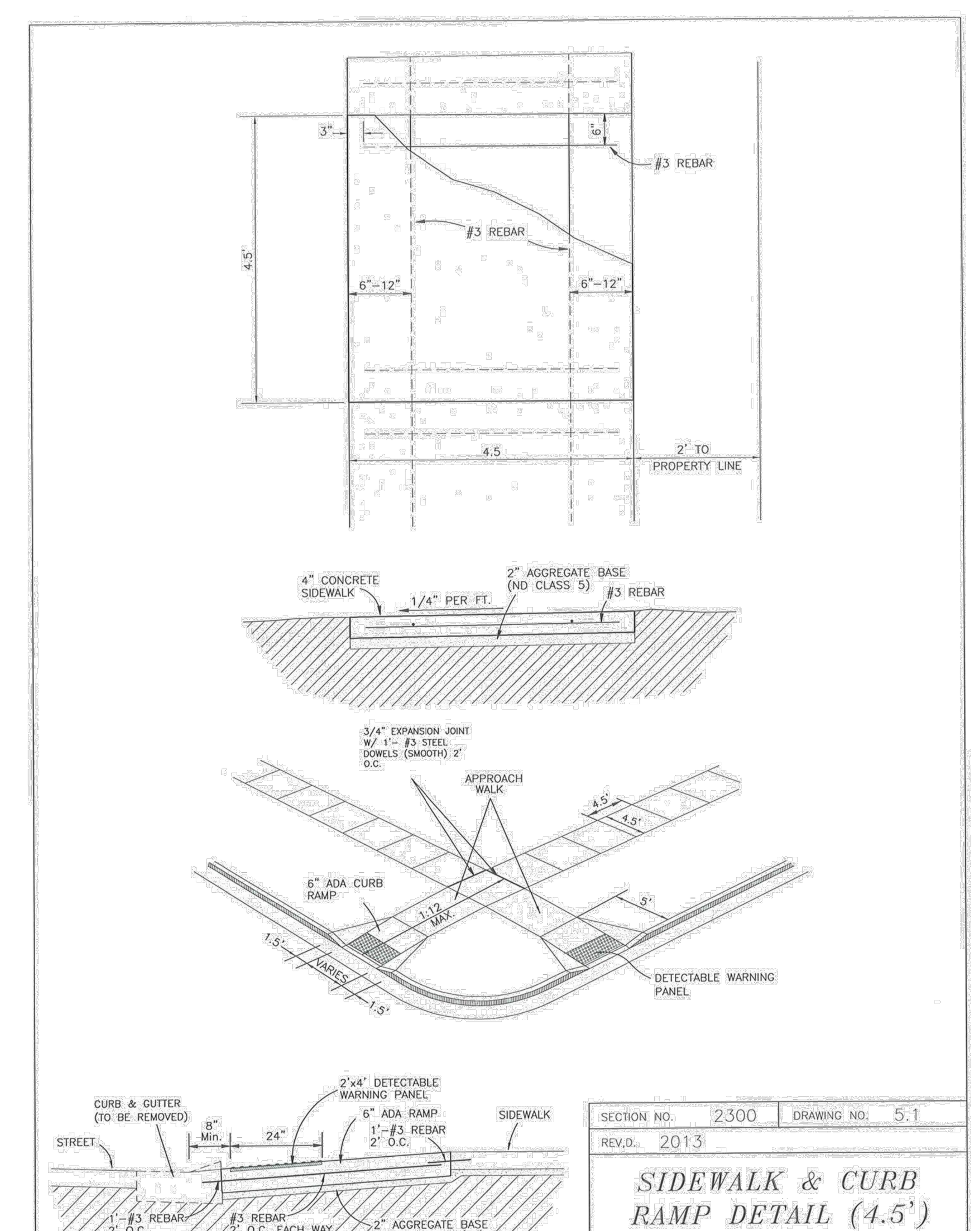
5 PLAYGROUND SURFACE PERIMETER DETAIL (ALT-1 AREAS)
N.T.S.



INSTALLATION:
- REMOVE THE INLET GRATE
- INSERT THE DEVICE INTO THE CASTING FRAME
- INSTALL GRATE INTO CASTING FRAME OVER TOP OF DEVICE

MAINTENANCE:
- CHECK REGULARLY & AFTER RAIN EVENTS. IF THE DEVICE IS FILLED WITH 1/3 OF ITS CAPACITY WITH SEDIMENT, EMPTY THE DEVICE.
- REMOVE DEBRIS AROUND THE INLET GRATE PRIOR TO REMOVING DEVICE

SECTION NO. 3300 | DRAWING NO. 6.4
REV.D. 2012
STORM SEWER INLET PROTECTION: TYPE C
CITY OF FARGO ENGINEERING DEPARTMENT
APPROVED BFO | DATE 2-21-2012



SECTION NO. 2300 | DRAWING NO. 5.1
REV.D. 2013
SIDEWALK & CURB RAMP DETAIL (4.5')
CITY OF FARGO ENGINEERING DEPARTMENT
APPROVED OME | DATE 1-2-13

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GRAND FORKS, ND 58201
P. 701.772.4266 | F. 701.772.4275
WWW.ICONARCHITECTS.COM

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REGISTERED PROFESSIONAL ENGINEER
PE-40221
DATE: 12/18/24
NORTH DAKOTA

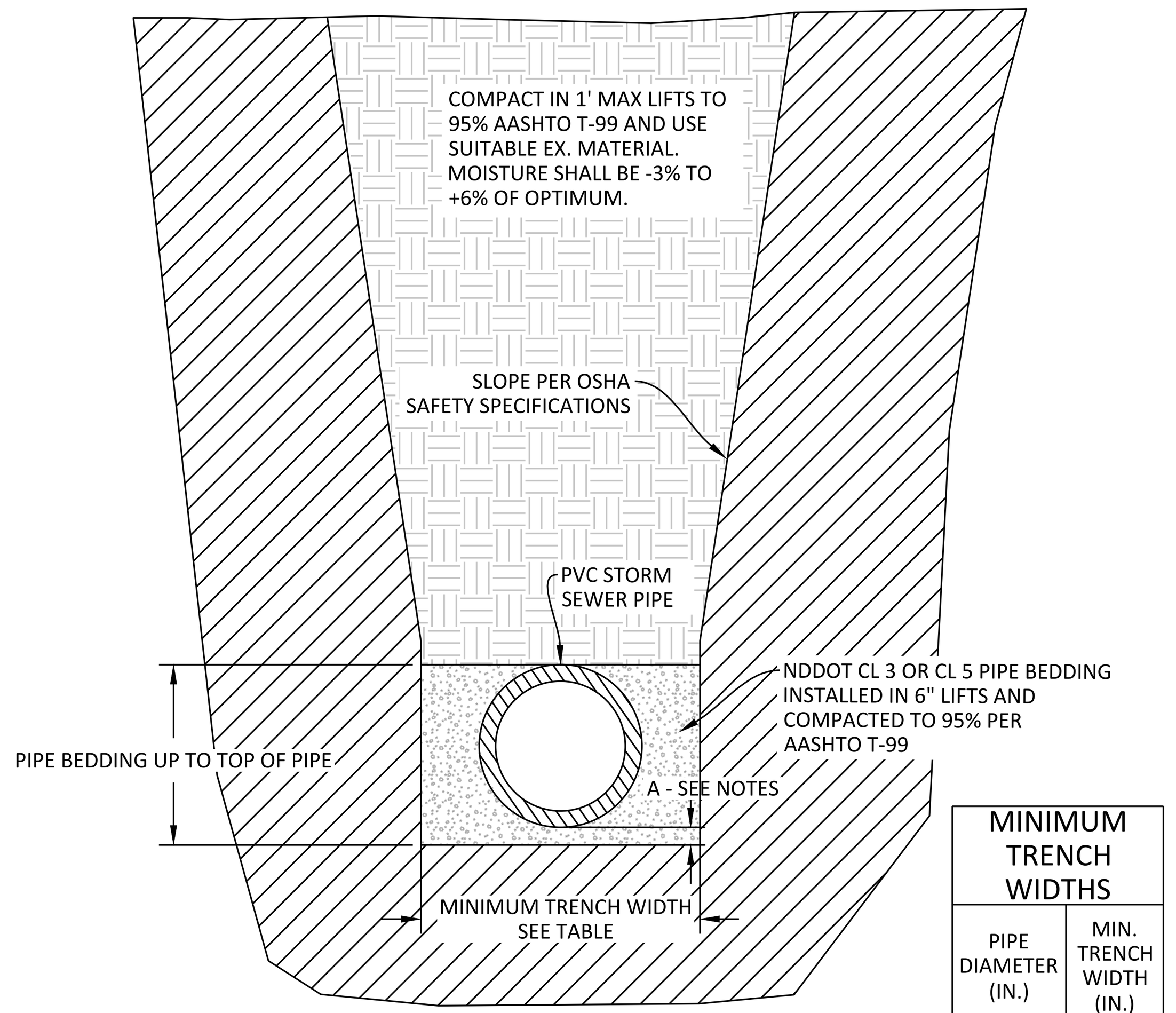
DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/30/24

DRAWN BY: JT / KD | JN: 24-060

DETAILS LONGFELLOW

SHEET
LO-C7

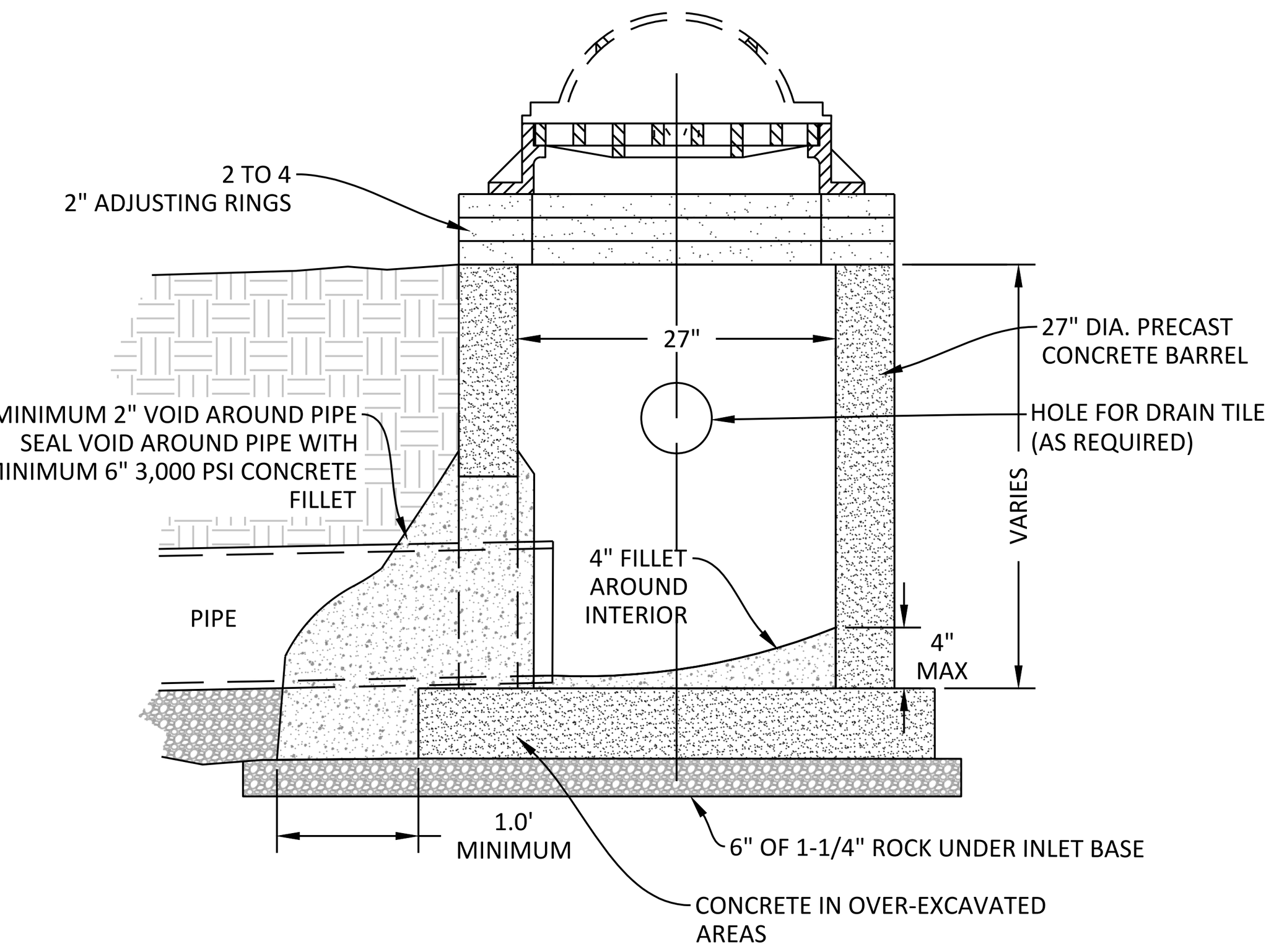


NOTES:
1. BEDDING DEPTH BELOW PIPE (DIMENSION A ABOVE) SHALL BE 4" FOR 4"-36" PIPE AND 6" FOR 42"-60" PIPE.
2. IN CLAY SOILS, LAST 3' OF PIPE MEASURED FROM BACK OF FLARED END SECTION TO BE BEDDED IN CLAY AND NOT CLASS 5 OR CLASS 3 TO PREVENT SCOUR.

MINIMUM TRENCH WIDTHS

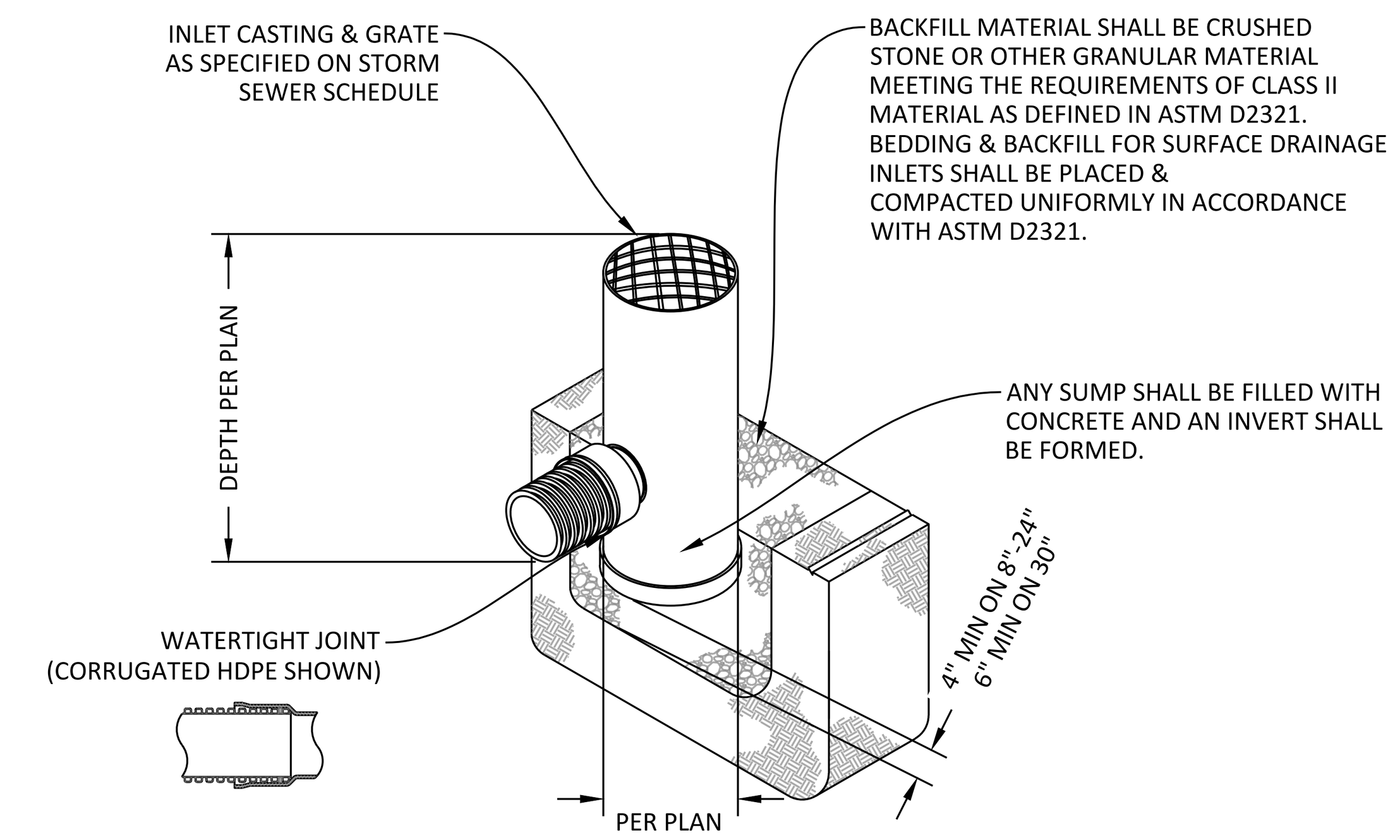
PIPE DIAMETER (IN.)	MIN. TRENCH WIDTH (IN.)
4	21
6	23
8	26
10	28
12	30
15	34
18	39
24	47
30	56
36	63
42	72
48	80
60	96

1 PVC STORM PIPE & CULVERT TRENCH BACKFILL
N.T.S.



NOTES:
1. ALL ROUND MANHOLES SHALL MEET REQUIREMENTS OF ASTM C478.
2. LIFT HOLES TO BE MANUFACTURED WATER PROOF.
3. BACKFILL AROUND MANHOLE IN 1' MAX LIFTS TO 95% PER AASHTO T-99. USE EXISTING MATERIAL UNLESS NOTED OTHERWISE. MOISTURE SHALL BE -3% TO +6% OF OPTIMUM.
4. CASTING TYPE PER MANHOLE SCHEDULE.
5. CONTRACTOR MAY USE CONCRETE OR HDPE RINGS. IF HDPE RINGS ARE UTILIZED, SILICONE SEAL SHALL BE USED IN BETWEEN RINGS PER MANUFACTURER RECOMMENDATIONS. IF CONCRETE RINGS ARE USED, GROUT SHALL BE USED BETWEEN, OUTSIDE, AND INSIDE OF RINGS. GROUT SHALL MEET REQUIREMENTS OF ASTM C270.
6. REBAR AND WALL THICKNESS PER MANUFACTURERS RECOMMENDATION.
7. IF MANHOLE IS USED AS A CURB & GUTTER INLET, THE MANHOLE SHALL HAVE HOLE AVAILABLE FOR CONNECTION TO CURB & GUTTER DRAIN TILE AS REQUIRED.
8. BUTYL RUBBER GASKET ON ALL JOINTS. GASKET SHALL MEET ASTM C443 REQUIREMENTS.
9. DOGHOUSE TO BE CONCRETED INSIDE AND OUT WITH 3,000 PSI CONCRETE. CONCRETE SHALL BE VIBRATED AND TROWL FINISHED.
10. WHEN STRUCTURE IS INSTALLED IN THE CURB LINE, THE CONTRACTOR SHALL SET MANHOLE SO THAT BACK OF CASTING ALIGNS WITH CURB FLOW LINE.
11. (CLAY SOILS ONLY) IF IN PAVEMENT, STRUCTURE SHALL HAVE A MINIMUM HEIGHT OF SIX (6) FEET FROM RIM TO BOTTOM OF STRUCTURE. IF LOWEST INVERT IS ABOVE THIS, CONTRACTOR SHALL FILL BOTTOM VOID WITH 4,000 PSI CONCRETE AND FORM INVERTS ACCORDINGLY.

2 27" PAVEMENT/YARD INLET
N.T.S.



NOTES:
1. CONTRACTOR SHALL CONTACT MANUFACTURER (ADS) FOR CORRECT SIZING OF STRUCTURES AND FOR INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS.

3 NYLOPLAST HDPE YARD INLET
N.T.S.

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REGISTERED PROFESSIONAL ENGINEER
DREW MESSMER
PE-40221
DATE: 12/18/24
NORTH DAKOTA

DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/30/24

DRAWN BY: JT / KD JN: 24-060

DETAILS LONGFELLOW

SHEET
LO-C8

LIST OF ABBREVIATIONS

LIST OF ABBREVIATIONS DESCRIPTION
ACM - ASBESTOS CONTAINING MATERIAL
ACT - ACOUSTICAL CEILING TILE
ADA - AMERICANS W/DISABILITIES ACT
AFF - ABOVE FINISH FLOOR
AHU - AIR HANDLING UNIT
ALT - ALTERNATE
AC - ALTERNATING CURRENT
ALUM - ALUMINUM
ACI - AMERICAN CONCRETE INSTITUTE
AISC - AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ANSI - AMERICAN NATIONAL STANDARDS INSTITUTE
ASHRAE - AMERICAN SOCIETY OF HEATING REF. AND AIR CONDITIONING ENGINEERS
ARCH - ARCHITECT
A/E - ARCHITECT/ENGINEER
ASI - ARCHITECTURAL SUPPLEMENTAL INSTRUCTION
AWI - AMERICAN WOODWORKING INSTITUTE
BM - BEAM
BRG - BEARING
BD - BOARD
BOT - BOTTOM
BTU - BRITISH THERMAL UNITS
BLDG - BUILDING
BUR - BUILT UP ROOFING
CAB - CABINET
CB - CATCH BASIN
CPT - CARPET
CSMT - CASEMENT
CSWK - CASEWORK
CIP - CAST IN PLACE
CI - CAST IRON
CLG - CEILING
CT - CERAMIC TILE
CO - CLEAN OUT
CLR - CLEAR
CONC - CONCRETE
CMU - CONCRETE MASONRY UNIT
CJ - CONTROL JOINT
CG - CORNER GUARD
CUH - CABINET UNIT HEATER
DEMO - DEMOLITION
DEPT - DEPARTMENT
DTL - DETAIL
DIAG - DIAGONAL
DIA - DIAMETER
DIM - DIMENSION
DW - DISHWASHER
DIST - DISTANCE
DOC - DOCUMENT
DR - DOOR
DWG - DRAWING
DF - DRINKING FOUNTAIN
EA - EACH
ELEC - ELECTRIC
ELEV - ELEVATOR/ELEVATION
EWC - ELECTRIC WATER COOLER
EQ - EQUAL
EQUP - EQUIPMENT
EXIST - EXISTING
EP - EPOXY PAINT
EJ - EXPANSION JOINT
EIFS - EXTERIOR INSULATION FINISH SYSTEM
FIN - FINISH
FLR - FLOOR
FEC - FIRE EXTINGUISHER CABINET
FHC - FIRE HOSE CABINET
FD - FLOOR DRAIN
FTG - FOOTING
FF - FINISH FLOOR
FFE - FURNITURE, FIXTURE, AND EQUIPMENT
FND - FOUNDATION
FWC - FABRIC WALL COVERING
GC - GENERAL CONTRACTOR
GALV - GALVANIZED
GEN - GENERAL
GL - GLASS/ GLAZING
GWB - GYPSUM WALL BOARD
HCP - HANDICAP
HDW - HARDWARE
HDWD - HARDWOOD
HM - HOLLOW METAL
HORZ - HORIZONTAL
HT - HEIGHT
HB - HOSE BIB
INSUL - INSULATION
IBC - INTERNATIONAL BUILDING CODE
JAN - JANITOR
LAM - LAMINATE
LAV - LAVATORY
MAS - MASONRY
MB - MARKER BOARD
MDF - MEDIUM DENSITY FIBERBOARD
ML - MATCHLINE
MTL STD - METAL STUD
MTL - METAL
MH - MANHOLE
MECH - MECHANICAL
NIC - NOT IN CONTRACT

LIST OF ABBREVIATIONS

LIST OF ABBREVIATIONS DESCRIPTION
NC - NON COMBUSTIBLE
NOM - NOMINAL
NTS - NOT TO SCALE
OH - OVERHEAD
OC - ON CENTER
OFCI - OWNER FURNISHED CONTRACTOR INSTALLED
OFOI - OWNER FURNISHED OWNER INSTALLED
OSB - ORIENTED STRAND BOARD
PT - PAINT
PB - PARTICLE BOARD
PC - PRECAST
PLYWD - PLYWOOD
PLAM - PLASTIC LAMINATE
PLAST - PLASTER
PTD - PAPER TOWEL DISPENSER
PREV - PREVIOUS
REINF - REINFORCEMENT
REQ'D - REQUIRED
REV - REVERSE
RM - ROOM
RO - ROUGH OPENING
RAD - RADIUS
RTU - ROOF TOP UNIT
SD - SOAP DISPENSER
SIM - SIMILAR
SHT - SHEET
SPEC - SPECIFICATIONS
SECT - SECTION
SD - SMOKE DETECTOR
SQ - SQUARE
SUSP - SUSPEND
TC - THIN COAT
TPD - TOILET PAPER DISPENSER
TP - TOILET PARTITION
TRTD - TREATED
TS - TRANSITION STRIP
TYP - TYPICAL
TEMP - TEMPORARY/TEMPERATURE
TO - TOP OF
UL - UNDERWRITERS LABORATORIES
UNO - UNLESS NOTED OTHERWISE
VCT - VINYL COMPOSITION TILE
WDW - WINDOW
W/ - WITH
WD - WOOD
CPT-T - CARPET TILE
QT - QUARRY TILE
VB - VINYL BASE
VWC - VINYL WALL COVERING
SV - SHEET VINYL
OTS - OPEN TO STRUCTURE
CBB - CEMENT BACKER BOARD
MIR - MIRROR
BO - BY OWNER
BRK - BRICK
CMU-G - CONCRETE MASONRY UNIT (GLAZED)
CMU-S - CONCRETE MASONRY UNIT (STANDARD 8"x8" SCORED)
CMU-B - CONCRETE MASONRY UNIT (BURNISHED)
CONC-S - SEALED CONCRETE
PRF - PREFINISHED
CS - CAST STONE
EXP - EXPOSED
FRP - FIBERGLASS REINFORCED PANEL
PT-E - PAINT- EPOXY
LVT - LUXURY VINYL TILE
FRT - FRY REGLET REVEAL TRIM
SDT - STATIC DISSIPATIVE TILE
RSTR - RUBBER STAIR TREADS -RISERS
SC - SPECIAL COATING -SEE SPECS
OWB - OPERABLE WALL PANEL
RB - RUBBER BASE
WOM - WALK-OFF MAT
SLT - SLATE
SS - SOLID SURFACE
ST - STONE
SVU - SOUND-ABSORBING WALL UNIT
STN - STAIN
VP - VINYL PLANK FLOORING
VT - VINYL TILE FLOORING
WRS - WINDOW ROLLER SHADES
CPT-AS - CARPET -ANT-STATIC
CPT-ESD - CARPET -ELECTROSTATIC DISCHARGE
MTLP - METAL PROFILE TRIM
PWP - PREFINISHED WALL PANEL
CTR - COUNTER
TBWP - TRAFFIC BEARING WATER PROOFING
RAF - RESILIENT RUBBER FLOORING
GB - GRAB BAR
EHD - ELECTRIC HAND DRYER
WR - WASTE RECEPTACLE
SND - SANITARY NAPKIN DISPOSAL
SCD - SEAT COVER DISPENSER
SNV - SANITARY NAPKIN VENDING MACHINE
MBH - MOP/ BROOM HOLDER
RH - ROBE HOOK
BCS - BABY CHANGING STATION
SCR - SHOWER CURTAIN ROD
LVR - LOUVER

GENERAL NOTES

PROJECT GENERAL NOTES DESCRIPTION

1. NOTIFY ARCHITECT PROMPTLY IF ANY CONDITIONS CONFLICT WITH THE CONSTRUCTION DOCUMENTS
2. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION/CONSTRUCTION.
3. CONTRACTORS TO VERIFY ALL EXISTING CONDITIONS, VISIT SITE AND FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS.
4. DIMENSIONS AND ELEVATIONS AS SHOWN ON THE DRAWINGS MUST BE FIELD VERIFIED AND COORDINATED
5. COORDINATE ALL PENETRATIONS THRU FOUNDATION W/APPROPRIATE TRADES.
6. PROVIDE A SAFE MEANS OF EGRESS THROUGH AND/OR AROUND THE BUILDING AND SITE AT ALL TIMES DURING THE CONSTRUCTION PHASE. SIDEWALKS FRONTING THE BLDG SHALL REMAIN USABLE AND CLEARED OF MUD OR OTHER DEBRIS. CONTRACTOR WILL MAINTAIN A CLEAR AND REASONABLE WORK AREA TO BE COORDINATED WITH BUILDING MANAGER/OWNERS REPRESENTATIVE.
7. CONTRACTOR SHALL VERIFY AND PROVIDE ANY ROUGH-IN CONSTRUCTION REQUIRED FOR OWNER-INSTALLED EQUIPMENT CALLED OUT IN DRAWINGS OR SPECIFICATIONS UNLESS OTHERWISE NOTED
8. MINIMUM SLIP RESISTANCE OF FLOOR SURFACES -WALKING SURFACES (GENERAL): 0.5 STATIC COEFFICIENT OF FRICTION-ACCESSIBLE ROUTES: 0.6 STATIC COEFFICIENT OF FRICTION -RAMPS: 0.8 STATIC COEFFICIENT OF FRICTION
9. ALL DIRECTIONAL REFERENCES IN DRAWINGS SHALL REFER TO PLAN NORTH.
10. ALL JOINTS & PENETRATIONS SHALL BE FIRE SAFED & FIRE SEALED AS REQUIRED TO COMPLY WITH APPLICABLE BUILDING CODES
11. KEYNOTES ARE USED TO ASSIST IN NOTING AND INDICATE REPETITIVE INSTANCES.
12. SUSPENDED CEILING HEIGHTS ARE DIMENSIONED FROM FINISHED FLOOR.
13. COORDINATE EXACT LOCATIONS OF LIGHT FIXTURES, ACCESS PANELS, SPRINKLER HEADS, HVAC DUCTS, CEILING DIFFUSERS/GRILLES AND ANY ADDITIONAL CEILING ITEMS WITH MECHANICAL AND ELECTRICAL CONTRACTORS AND ARCHITECT. ALL SPRINKLER HEADS SHALL BE PLACED IN THE CENTER OF CEILING TILES. NOTIFY ARCHITECT PROMPTLY IF ANY LOCATIONS CONFLICT.

SYMBOLS LEGEND

- CENTER LINE
- DOOR TAG (101B)
- GRID BUBBLE (GRID)
- KEYNOTE TAG (#)
- DEMO TAG / INTERIOR SIGNAGE (#)
- EXTERIOR MATERIAL TAG (AL-1)
- WALL TAG (A / B)
- WINDOW TAG (1)
- SPOT ELEVATION TAG
- LEVEL HEAD (Name — Elevation)
- HORIZONTAL ASSEMBLY TAG (XXX)
- REVISION TAG (1 / ###)
- ROOM TAG (Room Name / 101)
- ROOM TAG w/ AREA (Room Name / 101 / 150 SF)
- ROOM TAG w/ AREA & OCCUPANT LOAD (Room Name / ## / 150 SF / ##)
- ROOM TAG w/ ROOM FINISH INFO AT PLANS (NOT ALL MAY BE SHOWN) (Room Name / 101 / Wall Finish / Base Finish / Floor Finish)
- ROOM TAG w/ EXISTING ROOM NUMBER (EXISTING ROOM # 101 / NEW ROOM # 101)
- MATCHLINE REFERENCE (A / B)
- NORTH ARROW W/ TRUE NORTH (NORTH)
- VIEW TITLE (## A#### / 1/8" = 1'-0")
- DETAIL CALLOUT (1 / A101)
- DETAIL SECTION (1 / A101)
- WALL SECTION (1 / A101)
- BUILDING SECTION (1 / A101)
- ACCENT WALL FINISH LOCATION (XXX-#)
- ACCENT FLOOR FINISH LOCATION (XXX-#)
- CEILING TAG W/ FINISH OR ASSEMBLY INFO (1'-0" / PT-#)

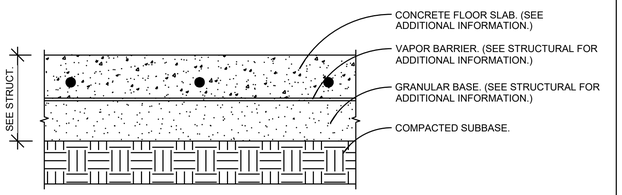
MATERIAL LEGEND

- ALUMINUM
- CONCRETE
- EARTH
- GRAVEL
- GYPSUM
- MASONRY - BRICK
- MASONRY - CMU
- RIGID INSULATION / EIFS
- SAND
- SAND - DENSE
- SPRAY FOAM INSULATION
- STEEL
- STONE
- WOOD - FINISHED CARPENTRY
- WOOD - ROUGH CARPENTRY
- WOOD - PLYWOOD

DRAWING INDEX

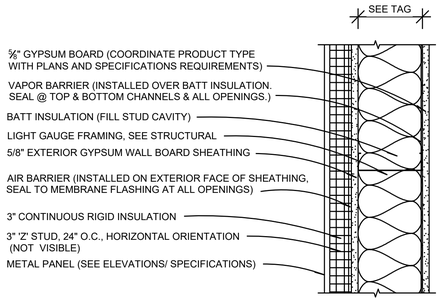
ADDENDUM #1 / 12/30/2024	CONSTRUCTION DOCUMENTS / 12/18/2024	SHEET #	SHEET NAME
			GENERAL
	•	ND-G001	General Notes / Drawing Index
	•	ND-G002	ANSI 117.1 - 2021 Standards
			BENNETT ELEMENTARY
	•	B-C1	Cover Sheet Bennett
	•	B-C2	General Notes & Legend Bennett
	•	B-C3	Survey Overlay & Demolition Plan Bennett
	•	B-C4	Overall Site Plan Bennett
	•	B-C5	Grading & Utility Plan Bennett
	•	B-C6	Erosion & Sediment Control Plan Bennett
	•	B-C7	Details Bennett
	•	B-C8	Details Bennett
	•	B-A000	Bennett Elementary Overall Site Plan
	•	B-A001	Bennett Elementary Site Plan - Enlarged
	•	B-A201	Bennett Elementary Exterior Elevations & Details
	•	B-M100	Bennett Elementary Floor Plans - Mechanical
	•	B-E001	Bennett Elementary Site Plan - Electrical
	•	B-A101	Bennett Elementary Partial First Floor Plans - Electrical
			CARL BEN EIELSON MIDDLE SCHOOL
	•	CB-A000	Carl Ben Eielson Middle School Overall Site Plan
	•	CB-A001	Carl Ben Eielson Site Plan - Enlarged
	•	CB-M100	Carl Ben Eielson Floor Plans - Mechanical
	•	CB-E001	Carl Ben Eielson Site Plan - Electrical
	•	CB-E101	Carl Ben Eielson Partial First Floor Plans - Electrical
			CENTENNIAL ELEMENTARY
	•	CE-A000	Centennial Elementary Overall Site Plan
•	•	CE-A001	Centennial Elementary Site Plan - Enlarged
•	•	CE-A201	Centennial Elementary Exterior Elevations
	•	CE-A202	Centennial Elementary Exterior Elevations
	•	CE-A501	Centennial Elementary Window Details
	•	CE-M001	Centennial Elementary Mechanical Schedules
	•	CE-M100	Centennial Elementary Floor Plans - Mechanical
	•	CE-M101	Centennial Elementary Floor Plans - Mechanical
	•	CE-M200	Centennial Elementary Mechanical Details
	•	CE-E101	Centennial Elementary Partial Floor Plans - Electrical Demo & New
			DAVIES HIGH SCHOOL
	•	DA-A000	Davies High School Overall Site Plan
	•	DA-A001	Davies High School Site Plan - Enlarged
			EAGLES ELEMENTARY
•		E-C1	Cover Sheet Eagles
•		E-C2	General Notes & Legend Eagles
•		E-C3	Survey Overlay & Demolition Plan Eagles
•		E-C4	Overall Site Plan Eagles
•		E-C5	Grading & Utility Plan Eagles
•		E-C6	Erosion & Sediment Control Plan Eagles
•		E-C7	Details Eagles
•		E-C8	Details Eagles
	•	E-A000	Eagles Elementary Overall Site Plan
	•	E-A001	Eagles Elementary Site Plan - Enlarged
			LINCOLN ELEMENTARY
	•	LI-C1	Cover Sheet Lincoln
	•	LI-C2	General Notes & Legend Lincoln
	•	LI-C3	Survey Overlay & Demolition Plan Lincoln
	•	LI-C4	Overall Site Plan Lincoln
	•	LI-C5	Grading & Utility Plan Lincoln
	•	LI-C6	Erosion & Sediment Control Plan Lincoln
	•	LI-C7	Details Lincoln
	•	LI-C8	Details Lincoln
	•	LI-A000	Lincoln Elementary Overall Site Plan
	•	LI-A001	Lincoln Elementary Site Plan - Enlarged
	•	LI-M001	Cover Sheet - Lincoln
	•	LI-M400	Mechanical Room Demo - Lincoln
	•	LI-M401	Mechanical Room Remodel - Lincoln
	•	LI-M402	Boiler Piping Diagram - Lincoln
	•	LI-M500	Details & Schedules - Lincoln
	•	LI-M600	Controls - Lincoln
	•	LI-E101	Lincoln Elementary First Floor Plan - Electrical
			LONGFELLOW ELEMENTARY
•		LO-C1	Cover Sheet Longfellow
•		LO-C2	General Notes & Legend Longfellow
•		LO-C3	Survey Overlay & Demolition Plan Longfellow
•		LO-C4	Overall Site Plan Longfellow
•		LO-C5	Grading & Utility Plan Longfellow
•		LO-C6	Erosion & Sediment Control Plan Longfellow
•		LO-C7	Details Longfellow
•		LO-C8	Details Longfellow
	•	LO-A000	Longfellow Elementary Overall Site Plan
	•	LO-A001	Longfellow Elementary Site Plan - Enlarged
	•	LO-M001	Cover Sheet - Longfellow
	•	LO-M200	Water Heater Demo & Remodel - Longfellow
	•	LO-M400	Mechanical Room Demo - Longfellow
	•	LO-M401	Mechanical Room Remodel - Longfellow
	•	LO-M402	Boiler Piping Diagram - Longfellow
	•	LO-M500	Details & Schedules - Longfellow
	•	LO-M501	Controls - Longfellow
	•	LO-E101	Longfellow Elementary Partial Floor Plan - Electrical
			NORTH HIGH SCHOOL
	•	N-C1	Cover Sheet North High
	•	N-C2	General Notes & Legend North High
	•	N-C3.0	Survey Overlay & Demolition Plan North High
	•	N-C3.1	Survey Overlay & Demolition Plan North High
	•	N-C4.0	Overall Site Plan North High
	•	N-C4.1	Overall Site Plan North High
	•	N-C5.0	Grading & Utility Plan North High
	•	N-C5.1	Grading & Utility Plan North High
	•	N-C6.0	Erosion & Sediment Control Plan North High
	•	N-C6.1	Erosion & Sediment Control Plan North High
	•	N-C7	Details North High
	•	N-C8	Details North High
	•	N-A000	North High School Overall Site Plan
	•	N-A001	North High School Site Plan - Enlarged
	•	N-A101	North High School Harry Howland Roof Plans & Details
			OPERATIONS CENTER
	•	O-A000	Operations Center Overall Site Plan
	•	O-A001	Operations Center Site Plan - Enlarged
			SOUTH HIGH SCHOOL
	•	N-A000	South High School Overall Site Plan
	•	N-A001	South High School Site Plan - Enlarged
	•	N-A201	South High School East Elevation
			WASHINGTON ELEMENTARY
	•	W-C1	Cover Sheet Washington
	•	W-C2	General Notes & Legend Washington
	•	W-C3	Survey Overlay & Demolition Plan Washington
	•	W-C4	Overall Site Plan Washington
	•	W-C5	Grading & Utility Plan Washington
	•	W-C6	Erosion & Sediment Control Plan Washington
	•	W-C7	Details Washington
	•	W-A000	Washington Elementary Overall Site Plan
	•	W-A001	Washington Elementary Site Plan - Enlarged

FC? FLOOR SLAB ASSEMBLY - UNINSULATED



UL DESIGN NO. : N/A

NS METAL PANEL/ STEEL STUD ASSEMBLIES



WALL TAG	STUD WIDTH	ASSEMBLY WIDTH	NOTES
NS3	3 5/8"	+/- 6 7/8" (+ MTL PANEL)	
NS6	6"	+/- 9 1/4" (+ MTL PANEL)	
NS8	8"	+/- 11 1/4" (+ MTL PANEL)	

EXTERIOR WALL TYPE TAG DESCRIPTION LEGEND

TYPICAL WALL TAG: ??? / ? HR

WALL TYPE DESIGNATION SYMBOL: SEE SPECIFIC WALL TYPE ASSEMBLY FOR DESCRIPTION OF WALL COMPONENTS.

FIRST LETTER INDICATES FINISH MATERIAL ON THE EXTERIOR WALL SURFACE:

N = METAL PANEL
V = MASONRY
C = CONCRETE MASONRY VENEER

SECOND LETTER INDICATES CONSTRUCTION MATERIAL OF THE BACK-UP WALL:

S = STEEL
P = PRECAST

NUMBER INDICATES DEPTH OF THE BACK-UP WALL CONSTRUCTION MATERIAL:

FIRE RATING AT WALL ASSEMBLY: IF AN HOURLY FIRE RATING IS PRESENT, CONSTRUCT WALL PER LISTED UL DESIGN NOTED IN THE WALL TYPE ASSEMBLY. (WALL RATINGS ARE ALSO INDICATED ON CODE STUDY PLANS, IF NOT TAGGED. THE MOST RESTRICTIVE SHALL GOVERN.)

WALL TYPE MODIFIERS: IF MODIFIER LETTERS ARE LOCATED ON TAG, THE FOLLOWING REQUIREMENTS APPLY TO THE WALL ASSEMBLY: ??? / ? HR — WALL TAG W/ MODIFIERS

R = IMPAC RESISTANT GYPSUM BOARD *(INSTALL FROM FLOOR TO 6' A.F.F.)*
A ACOUSTICAL SEAL ALL PENETRATIONS, AND SIDES, TOP AND BOTTOM OF WALL - BOTH SIDES
N = NO ACOUSTICAL BATT INSULATION
X = NO RIGID INSUL. OR BATT INSULATION REQ'D

GENERAL NOTES - FRAMED PARTITIONS

1. ALL LOAD BEARING WALLS TO BE CONSTRUCTED PER STRUCTURAL ENGINEERS DESIGN REQUIREMENTS. SEE STRUCTURAL SHEETS FOR INFORMATION.
2. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES TO BE FIRE SAFE BY THE TRADE/ CONTRACTOR THAT CREATED THE PENETRATION.
3. ALL STEEL STUD AND WOOD STUD PARTITIONS TO HAVE BATT INSULATION U.N.O. ON PLANS
4. ALL UL ASSEMBLIES SHOWN ARE REPRINTED FROM THE ONLINE CERTIFICATIONS DIRECTORY WITH PERMISSION FROM UNDERWRITERS LABORATORIES INC. COPYRIGHT 2015 UNDERWRITERS LABORATORIES, INC. CONTRACTORS MAY REFER TO WWW.UL.COM FOR ONLINE ACCESS TO ALL ASSEMBLIES AND MODIFICATIONS.
5. PARTITION HEIGHT IS ASSUMED TO EXTEND TO BOTTOM OF ROOF/ FLOOR DECK ABOVE U.N.O. FRAMING AND GYPSUM BOARD TO JOG AROUND JOIST AND BEAMS. WHERE NECESSARY FIRE SAFE GAP WHERE FIRE RATING IS REQUIRED.
6. PARTITIONS WITHIN WET AREAS INCLUDING BUT NOT LIMITED TO RESTROOMS AND KITCHENS SHALL HAVE WATER RESISTANT GYPSUM BOARD WHEN GYPSUM BOARD IS CALLED OUT AS THE FINISH IN THE WALL ASSEMBLY.
7. CONTRACTOR IS RESPONSIBLE FOR BLOCKING NEEDED FOR ANY WALL MOUNTED ACCESSORY.
8. STEEL STUD PARTITIONS ARE TO HAVE DEFLECTION TRACK U.N.O.
9. DEFLECTION TRACK TO BE INSTALLED AT TOP OF METAL STUD PARTITIONS WHERE METAL STUD PARTITIONS ARE INSTALLED TO HORIZONTAL HOLLOW CORE PLANK.
10. SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS AND SCHEDULES. THE NOTED WALL ASSEMBLY WIDTHS MAY NOT ACCOUNT FOR STRUCTURAL SHEAR PANELS.

ICON ARCHITECTURAL GROUP
4000 GARDEN VIEW DRIVE, SUITE 101
GRAND FORKS, ND 58201
P. 701.772.4266 | F. 701.772.4275
WWW.ICONARCHITECTS.COM

FARGO PUBLIC SCHOOLS

STRUCTURAL
HEYER ENGINEERING
4180 24TH AVENUE S
FARGO, ND 58104
(701) 280.0949 OFFICE

MECHANICAL
MARTIN MECHANICAL DESIGN
1201 25TH AVE N
FARGO, ND 58102
(701) 293.7957 OFFICE

MBN ENGINEERING
503 7TH ST N #200
FARGO, ND 58102
(701) 478.6336 OFFICE

ELECTRICAL
CMTA
2201 12TH ST N STE E
FARGO, ND 58102
(701) 280.0500 OFFICE

CIVIL
LOWRY ENGINEERING
5306 51ST AVE S STE A
FARGO, ND 58104
(701) 235.0199 OFFICE

LICENSED ARCHITECT — TODD A. BLUNT — (1700) — Date 12.18.24 — STATE OF NORTH DAKOTA

DRAWING HISTORY

NO.	DESCRIPTION	DATE
	CONSTRUCTION DOCUMENTS	12/18/24
1	ADDENDUM #1	12/30/24

DRAWN BY: TA/AO/AF/KD JN: 24-060

General Notes / Drawing Index

SHEET
ND-G001

LIST OF ABBREVIATIONS

LIST OF ABBREVIATIONS DESCRIPTION	
ACM	ASBESTOS CONTAINING MATERIAL
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS W/DISABILITIES ACT
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
AC	ALTERNATING CURRENT
ALUM	ALUMINUM
ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASHRAE	AMERICAN SOCIETY OF HEATING REF. AND AIR CONDITIONING ENGINEERS
ARCH	ARCHITECT
A/E	ARCHITECT/ENGINEER
ASI	ARCHITECTURAL SUPPLEMENTAL INSTRUCTION
AWI	AMERICAN WOODWORKING INSTITUTE
BM	BEAM
BRG	BEARING
BD	BOARD
BOT	BOTTOM
BTU	BRITISH THERMAL UNITS
BLDG	BUILDING
BUR	BUILT UP ROOFING
CAB	CABINET
CB	CATCH BASIN
CPT	CARPET
CSMT	CASEMENT
CSWK	CASEWORK
CIP	CAST IN PLACE
CI	CAST IRON
CLG	CEILING
CT	CERAMIC TILE
CO	CLEAN OUT
CLR	CLEAR
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CJ	CONTROL JOINT
CG	CORNER GUARD
CUH	CABINET UNIT HEATER
DEMO	DEMOLITION
DEPT	DEPARTMENT
DTL	DETAIL
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION
DW	DISHWASHER
DIST	DISTANCE
DOC	DOCUMENT
DR	DOOR
DWG	DRAWING
DF	DRINKING FOUNTAIN
EA	EACH
ELEC	ELECTRIC
ELEV	ELEVATOR/ELEVATION
EWC	ELECTRIC WATER COOLER
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EP	EPOXY PAINT
EJ	EXPANSION JOINT
EIFS	EXTERIOR INSULATION FINISH SYSTEM
FIN	FINISH
FLR	FLOOR
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FD	FLOOR DRAIN
FTG	FOOTING
FF	FINISH FLOOR
FFE	FURNITURE, FIXTURE, AND EQUIPMENT
FND	FOUNDATION
FWC	FABRIC WALL COVERING
GC	GENERAL CONTRACTOR
GALV	GALVANIZED
GEN	GENERAL
GL	GLASS/ GLAZING
GWB	GYPSUM WALL BOARD
HCP	HANDICAP
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HORZ	HORIZONTAL
HT	HEIGHT
HB	HOSE BIB
INSUL	INSULATION
IBC	INTERNATIONAL BUILDING CODE
JAN	JANITOR
LAM	LAMINATE
LAV	LAVATORY
MAS	MASONRY
MB	MARKER BOARD
MDF	MEDIUM DENSITY FIBERBOARD
ML	MATCHLINE
MTL STD	METAL STUD
MTL	METAL
MH	MANHOLE
MECH	MECHANICAL
NIC	NOT IN CONTRACT

LIST OF ABBREVIATIONS

LIST OF ABBREVIATIONS DESCRIPTION	
NC	NON COMBUSTIBLE
NOM	NOMINAL
NTS	NOT TO SCALE
OH	OVERHEAD
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OSB	ORIENTED STRAND BOARD
PT	PAINT
PB	PARTICLE BOARD
PC	PRECAST
PLYWD	PLYWOOD
PLAM	PLASTIC LAMINATE
PLAST	PLASTER
PTD	PAPER TOWEL DISPENSER
PREV	PREVIOUS
REINF	REINFORCEMENT
REQ'D	REQUIRED
REV	REVERSE
RM	ROOM
RO	ROUGH OPENING
RAD	RADIUS
RTU	ROOF TOP UNIT
SD	SOAP DISPENSER
SIM	SIMILAR
SHT	SHEET
SPEC	SPECIFICATIONS
SECT	SECTION
SD	SMOKE DETECTOR
SQ	SQUARE
SUSP	SUSPEND
TC	THIN COAT
TPD	TOILET PAPER DISPENSER
TP	TOILET PARTITION
TRTD	TREATED
TS	TRANSITION STRIP
TYP	TYPICAL
TEMP	TEMPORARY/TEMPERATURE
TO	TOP OF
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
WDW	WINDOW
W/	WITH
WD	WOOD
CPT-T	CARPET TILE
QT	QUARRY TILE
VB	VINYL BASE
VWC	VINYL WALL COVERING
SV	SHEET VINYL
OTS	OPEN TO STRUCTURE
CBB	CEMENT BACKER BOARD
MIR	MIRROR
BO	BY OWNER
BRK	BRICK
CMU-G	CONCRETE MASONRY UNIT (GLAZED)
CMU-S	CONCRETE MASONRY UNIT (STANDARD 8"x8" SCORED)
CMU-B	CONCRETE MASONRY UNIT (BURNISHED)
CONC-S	SEALED CONCRETE
PRF	PREFINISHED
CS	CAST STONE
EXP	EXPOSED
FRP	FIBERGLASS REINFORCED PANEL
PT-E	PAINT- EPOXY
LVT	LUXURY VINYL TILE
FRT	FRY REGLET REVEAL TRIM
SDT	STATIC DISSIPATIVE TILE
RSTR	RUBBER STAIR TREADS -RISERS
SC	SPECIAL COATING -SEE SPECS
OWB	OPERABLE WALL PANEL
RB	RUBBER BASE
WOM	WALK-OFF MAT
SLT	SLATE
SS	SOLID SURFACE
ST	STONE
SWU	SOUND-ABSORBING WALL UNIT
STN	STAIN
VP	VINYL PLANK FLOORING
VT	VINYL TILE FLOORING
WRS	WINDOW ROLLER SHADES
CPT-AS	CARPET -ANT-STATIC
CPT-ESD	CARPET -ELECTROSTATIC DISCHARGE
MTLP	METAL PROFILE TRIM
PWP	PREFINISHED WALL PANEL
CTR	COUNTER
TBWP	TRAFFIC BEARING WATER PROOFING
RAF	RESILIENT RUBBER FLOORING
GB	GRAB BAR
EHD	ELECTRIC HAND DRYER
WR	WASTE RECEPTACLE
SND	SANITARY NAPKIN DISPOSAL
SCD	SEAT COVER DISPENSER
SNV	SANITARY NAPKIN VENDING MACHINE
MBH	MOP/ BROOM HOLDER
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BCS	BABY CHANGING STATION
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LVR	LOUVER

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SYMBOLS LEGEND

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- (GRID) GRID BUBBLE
- (#) KEYNOTE TAG
- (#) DEMO TAG / INTERIOR SIGNAGE
- AL-1 EXTERIOR MATERIAL TAG
- WALL TAG
- (1) WINDOW TAG
- SPOT ELEVATION TAG
- Name / Elevation LEVEL HEAD
- XXX HORIZONTAL ASSEMBLY TAG
- ### REVISION TAG
- Room Name 101 ROOM TAG
- Room Name 101 / 150 SF ROOM TAG w/ AREA
- Room Name (##) / 150 SF / ## ROOM TAG w/ AREA & OCCUPANT LOAD
- Room Name 101 / Wall Finish / Base Finish / Floor Finish ROOM TAG w/ ROOM FINISH INFO AT PLANS (NOT ALL MAY BE SHOWN)
- EXISTING ROOM # 101 / NEW ROOM # 101 ROOM TAG w/ EXISTING ROOM NUMBER

MATCHLINE REFERENCE (A / B)

NORTH ARROW W/ TRUE NORTH — NORTH

A### View Name — 1/8" = 1'-0" VIEW TITLE

1 / A101 DETAIL CALLOUT

1 / A101 DETAIL SECTION

1 / A101 WALL SECTION

1 / A101 BUILDING SECTION

XXX-# ACCENT WALL FINISH LOCATION

XXX-# ACCENT FLOOR FINISH LOCATION

1'-0" / PT-# CEILING TAG W/ FINISH OR ASSEMBLY INFO

MATERIAL LEGEND

- ALUMINUM
- CONCRETE
- EARTH
- GRAVEL
- GYPSUM
- MASONRY - BRICK
- MASONRY - CMU
- RIGID INSULATION / EIFS
- SAND
- SAND - DENSE
- SPRAY FOAM INSULATION
- STEEL
- STONE
- WOOD - FINISHED CARPENTRY
- WOOD - ROUGH CARPENTRY
- WOOD - PLYWOOD

DRAWING INDEX

	SHEET #	SHEET NAME
		GENERAL
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•	MN-G002	ANSI 117.1 - 2021 Standards w/ 2020 MN Accesibility Code
		TROLLWOOD PERFORMING ARTS
•	T-C1	Cover Sheet Trollwood
•	T-C2	General Notes & Legend Trollwood
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•	T-C4	Overall Site Plan Trollwood
•	T-C5	Grading & Utility Plan Trollwood
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•	T-A000	Trollwood Performing Arts Overall Site Plan
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•	T-A101	Trollwood Performing Arts Portable Classroom Plans
•	T-M100	Main Floor Plumbing Demo & Remodel - Trollwood
•	T-E101	Trollwood Performing Arts Portable Classroom Plans - Electrical

1 ADDENDUM #1 12/30/2024
CONSTRUCTION DOCUMENTS 12/18/2024

ICON ARCHITECTURAL GROUP
4000 GARDEN VIEW DRIVE, SUITE 101
GRAND FORKS, ND 58201
P. 701.772.4266 | F. 701.772.4275
WWW.ICONARCHITECTS.COM

FARGO PUBLIC SCHOOLS

STRUCTURAL
HEYER ENGINEERING
4180 24TH AVENUE S
FARGO, ND 58104
(701) 280.0949 OFFICE

MECHANICAL
MARTIN MECHANICAL DESIGN
1201 25TH AVE N
FARGO, ND 58102
(701) 293.7957 OFFICE

MBN ENGINEERING
503 7TH ST N #200
FARGO, ND 58102
(701) 478.6336 OFFICE

ELECTRICAL
CMTA
2201 12TH ST N STE E
FARGO, ND 58102
(701) 280.0500 OFFICE

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LOWRY ENGINEERING
5306 51ST AVE S STE A
FARGO, ND 58104
(701) 235.0199 OFFICE

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SIGNATURE: TODD BLIXT
PRINTED NAME: TODD BLIXT
DATE: 12/18/24
LICENSE NUMBER: 62763

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DRAWN BY: TA/AO/AF/KD JN: 24-060

General Notes / Drawing Index

SHEET
MN-G001

1 T-A001 **Trollwood Perform Site Plan - Enlarged**
1" = 60'-0"

GENERAL NOTES - SITE PLAN

1. CONTRACTOR TO SAND AND PREPARE EXISTING GLULAM ARCHES AS NECESSARY AT EACH END OF THE FOUR (4) EXISTING ARCHES. CRACKS GREATER THAN OR EQUAL TO 1/8" THICKNESS TO BE FILLED WITH EPOXY. REMOVAL OF (E) STEEL STRUTS NOT REQUIRED. PROVIDE CAULK AROUND TOP AND SIDES OF (E) STRUTS. BOTTOM OF STRUTS TO REMAIN UNCAULKED. CONTRACTOR TO RESTAIN AND RESEAL ARCH AS NECESSARY ONCE CRACK INFILL HAS OCCURED. SUBMIT PROPOSED EPOXY MATERIALS FOR APPROVAL PRIOR TO COMMENCING WORK. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES DISCOVERED.

2 REMOVE AND REINSTALL SEATING AS NEEDED TO ACCESS GLULAM ARCHES FOR REFINISHING.

KEYNOTES - SITE PLAN

1. REPLACE ASPHALT PARKING LOT AND EXISTING DRAINAGE
   - SEE CIVIL
2. REPLACE ASPHALT WITH CONCRETE PAVEMENT, CURB & GUTTER
   - SEE CIVIL
3. REMOVE ADA PARKING SIGN AND BASE.
   - SEE CIVIL FOR NEW SIGN LOCATIONS
4. INSTALL GROUND PROTECTION MESH AT DRIVE LANES
   - SEE SPECIFICATIONS FOR MORE INFORMATION.
5. SAND AND REMOVE EXISTING STAIN & VARNISH FROM WOOD LAMINATE ARCH. FILL CRACKS & WOOD CHECKS GREATER THAN 1/8" IN WIDTH. APPLY STAIN & CLEAR COAT FINISH.
   - USE AN EPOXY WITH A VISCOUS, TOOTHPASTE-LIKE CONSISTENCY, AS THINNER, WATERY EPOXIES CAN BE DIFFICULT TO CONTROL AND MAY SEEP EXCESSIVELY.
   - APPLY TAPE TO THE TOP AND BOTTOM OF THE CRACKS (CHECKS) TO PROTECT THE WOOD AND PREVENT THE EPOXY FROM SPREADING.
   - TROWEL THE VISCOUS EPOXY INTO THE CRACKS CAREFULLY FOR BETTER CONTAINMENT AND A CLEANER APPLICATION.
   - SEE SPECIFICATIONS FOR DETAILS

ICON ARCHITECTURAL GROUP
4000 GARDEN VIEW DRIVE, SUITE 101
GRAND FORKS, ND 58201
P. 701.772.4266 | F. 701.772.4275
WWW.ICONARCHITECTS.COM

FARGO PUBLIC SCHOOLS
TROLLWOOD PERFORMING ARTS
801 50TH AVE S
MOORHEAD, MN 56560

STRUCTURAL
HEYER ENGINEERING
4180 24TH AVENUE S
FARGO, ND 58104
(701) 280.0949 OFFICE

MECHANICAL
MARTIN MECHANICAL DESIGN
1201 25TH AVE N
FARGO, ND 58102
(701) 293.7957 OFFICE

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CMTA
2201 12TH ST N STE E
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5306 51ST AVE S STE A
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NORTH
0' 30' 60' 120'

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Trollwood Performing Arts Site Plan - Enlarged

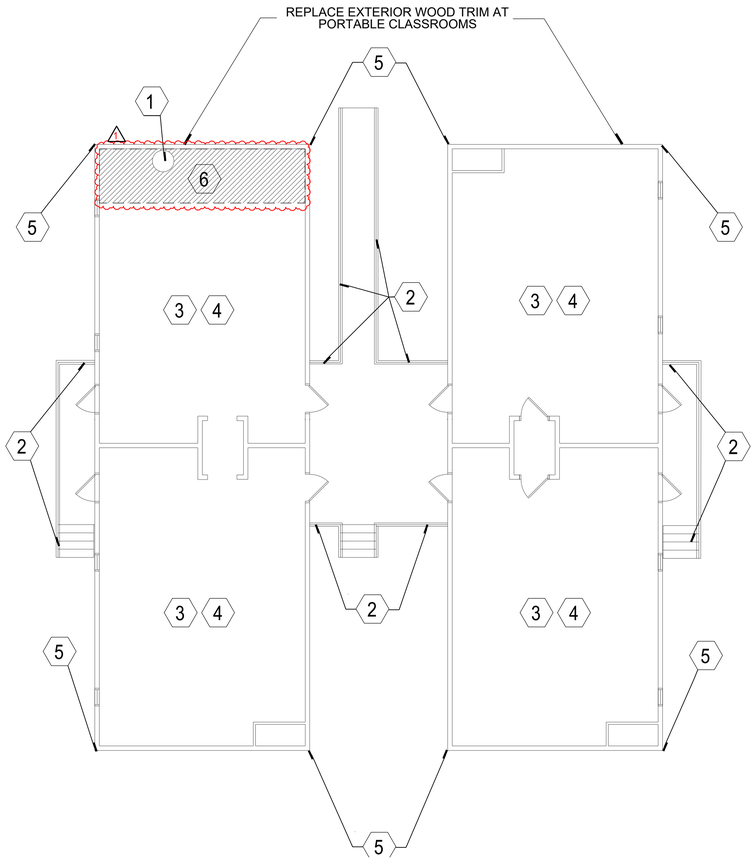
SHEET
T-A001

GENERAL NOTES- FLOOR PLAN

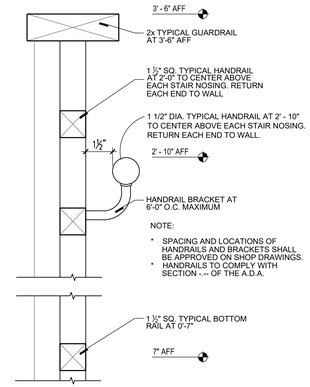
1. CONTRACTOR TO MOVE ITEMS IN PORTABLE CLASSROOMS IN ORDER TO REPLACE FLOORING. COORDINATE WITH OWNER AS NEEDED FOR RELOCATION.
2. SEE SPECIFICATIONS FOR OTHER ACCESSORIES TO REPLACE WITH FLOORING. (WALL BASE & TRANSITION STRIP)

KEYNOTES - FLOOR PLAN

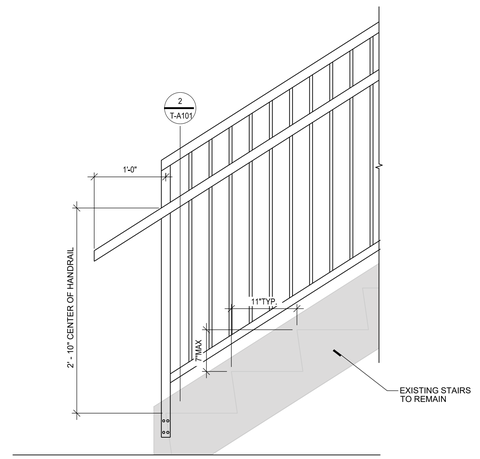
1. REPLACE DOMESTIC WATER HEATER LOCATED IN PORTABLE CLASSROOM - SEE MECHANICAL AND ELECTRICAL
2. REPLACE HANDRAILS AND GUARDRAILS AT PORTABLE CLASSROOMS
3. REPLACE FLUORESCENT LIGHTING FIXTURES LOCATED IN PORTABLE CLASSROOMS - SEE ELECTRICAL
4. REPLACE CARPET AT PORTABLE CLASSROOMS - SEE SPECIFICATIONS FOR MORE DETAILS.
5. REPLACE TRIM ON CORNERS OF PORTABLE CLASSROOM, COLOR AND MATERIAL TO MATCH EXISTING.
6. REPLACE VINYL FLOORING AT PORTABLE CLASSROOM - SEE SPECIFICATIONS FOR MORE DETAILS.



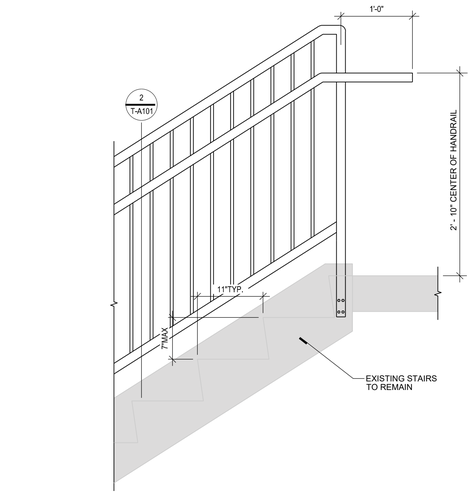
1 T-A101 **Trollwood Perform - Portable Classroom Plans**
1/4" = 1'-0"



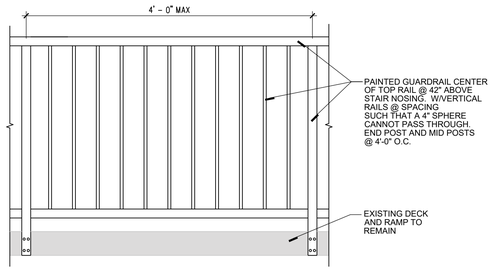
2 T-A101 **Vertical Rail Detail**
3" = 1'-0"



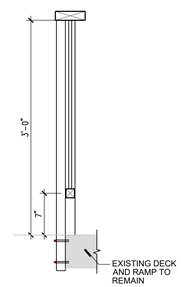
3 T-A101 **Bottom Landing - Vertical Pipe**
1" = 1'-0"



4 T-A101 **Bottom Landing - Vertical Pipe**
1" = 1'-0"



5 T-A101 **Guardrail Detail - Vertical 36"**
1" = 1'-0"



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4000 GARDEN VIEW DRIVE, SUITE 101
GRAND FORKS, ND 58201
P. 701.772.4266 | F. 701.772.4275
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FARGO PUBLIC SCHOOLS
TROLLWOOD PERFORMING ARTS
801 50TH AVE S
MOORHEAD, MN 56560

STRUCTURAL
HEYER ENGINEERING
4180 24TH AVENUE S
FARGO, ND 58104
(701) 280.0949 OFFICE

MECHANICAL
MARTIN MECHANICAL DESIGN
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FARGO, ND 58102
(701) 293.7957 OFFICE

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CMTA
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CIVIL
LOWRY ENGINEERING
5306 51ST AVE S STE A
FARGO, ND 58104
(701) 235.0199 OFFICE

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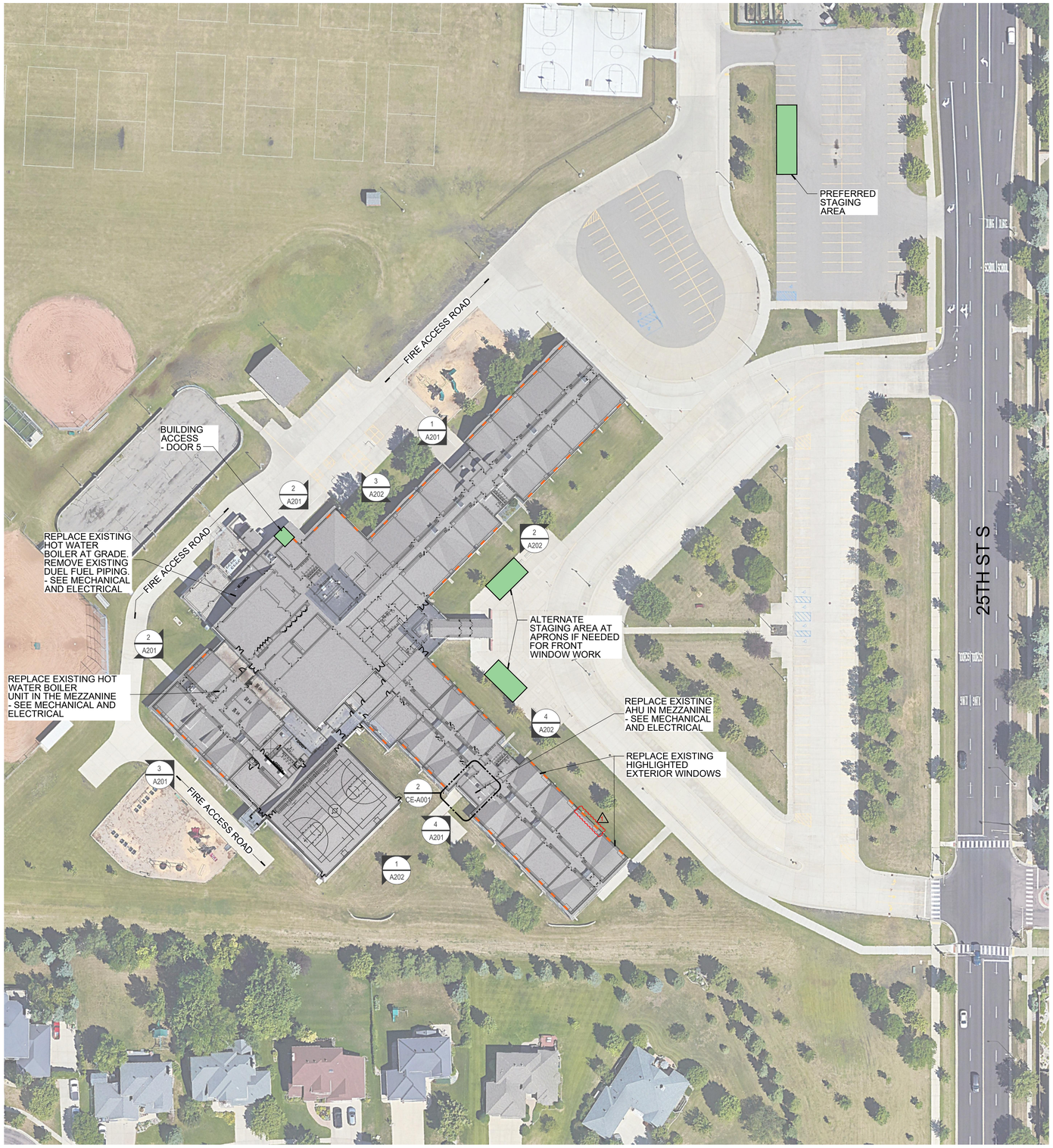
Trollwood Performing Arts Portable Classroom Plans

SHEET
T-A101



1 CE – A00 **Centennial Elementary Site Plan - Enlarged**
1" = 50'-0"

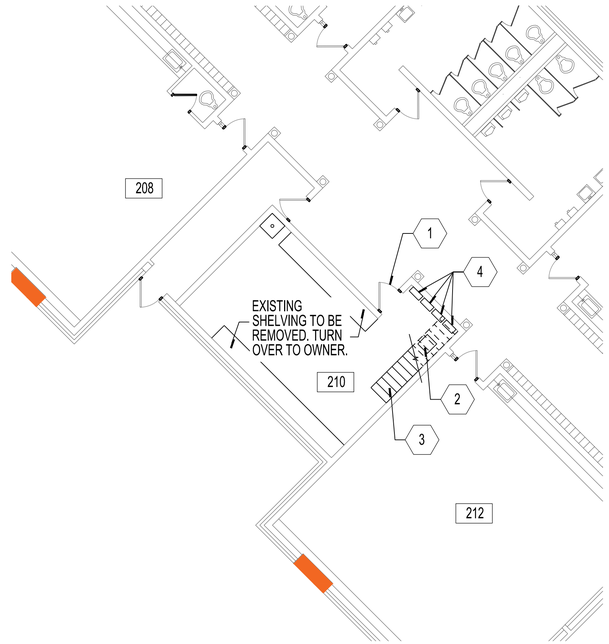
NORTH
0' 25' 50' 100'

GENERAL NOTES - SITE PLAN

1. INTENT IS TO REPLACE THE WINDOW AND REUSE BLOCKING. ONLY REPLACE BLOCKING IF NECESSARY ON A CASE BY CASE BASIS. TAKE CARE WHEN REMOVING EXISTING WINDOW AND REINSTALLING NEW WINDOW TO NOT DAMAGE SURROUNDING WALLS INCLUDING BUT NOT LIMITED TO FINISHES, RADIATORS, AND BRICK.
2. PATCH AND TOUCH UP PAINT AT JAMB AND HEAD AFTER NEW WINDOW INSTALLATION.
3. PATCH AND TOUCH UP PAINT AT DOOR WHEN REINSTALLED.

KEYNOTES - SITE PLAN & FLOOR PLAN

1. EXISTING DOOR AND FRAME TO BE REMOVED TO ALLOW FOR THE INSTALLATION OF AHU SECTIONS INTO ROOM. REPLACE IN SAME LOCATION FOLLOWING INSTALLATION.
2. EXISTING DATA RACK TO BE REMOVED TO ALLOW FOR THE INSTALLATION OF AHU SECTIONS INTO ROOM. REPLACE IN SAME LOCATION FOLLOWING INSTALLATION.
3. EXISTING METAL STAIRS TO BE REMOVED TO ALLOW FOR THE INSTALLATION OF AHU SECTIONS INTO ROOM. REPLACE IN SAME LOCATION FOLLOWING INSTALLATION.
4. EXISTING ELECTRICAL PANEL



2 CE – A00 **Centennial Elementary - Enlarged Floor Plan**
1/4" = 1'-0"

ICON ARCHITECTURAL GROUP
4000 GARDEN VIEW DRIVE, SUITE 101
GRAND FORKS, ND 58201
P. 701.772.4266 | F. 701.772.4275
WWW.ICONARCHITECTS.COM

FARGO PUBLIC SCHOOLS

CENTENNIAL ELEMENTARY
4201 25TH ST S
FARGO, ND 58104

STRUCTURAL
HEYER ENGINEERING
4180 24TH AVENUE S
FARGO, ND 58104
(701) 280.0949 OFFICE

MECHANICAL
MBN ENGINEERING
503 7TH ST N #200
FARGO, ND 58102
(701) 478.6336 OFFICE

ELECTRICAL
CMTA
2201 12TH ST N STE E
FARGO, ND 58102
(701) 280.0500 OFFICE

LICENSED ARCHITECT
TODD A. BUNN
(1700)
Date 12 18 24
STATE OF NORTH DAKOTA

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	CONSTRUCTION DOCUMENTS	12/18/24
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Centennial Elementary Site Plan - Enlarged

SHEET
CE-A001