



Purchasing Division
Finance Department
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Addendum 1
Solicitation 20-99339
Wheeler Athletic Complex Site Improvements

This addendum serves to notify all bidders of the following changes to the solicitation documents:

1. This project is funded in part by grant funds from the State of Minnesota, and federal pass-through funds. Both federal and state prevailing wage rules are applicable as specified in the bid documents, including overtime to be paid after 8 hours of work, regardless of any trade agreements.
2. Bids must be firm for a minimum of 90 days.
3. The City will be live streaming the bid opening. To view the bid opening, please go to <https://www.duluthmn.gov/purchasing/bids-request-for-proposals/> and select the link for this bid opening.
4. Please see additional information in the addendum documentation attached.

Please acknowledge receipt of this Addendum by checking the acknowledgment box within the www.bidexpress.com solicitation.

Posted: **April 23, 2020**

DOCUMENT 00 00 11

ADDENDUM

1.01 PROJECT INFORMATION

- A. Project Name: Wheeler Sports Complex Improvements.
- B. Owner: City of Duluth.
- C. Engineer: TKDA.
- D. Engineer Project Number: 17692.000
- E. Date of Addendum: April 23, 2020.

1.02 NOTICE TO BIDDERS

- A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The date for receipt of bids is unchanged by this Addendum, at same time and location.
 - 1. Bid Date: April 29, 2020

1.03 ATTACHMENTS

- A. This Addendum includes the following attached Documents and Specification Sections:
 - 1. Section 00 41 43 Bid Form – Stipulated Sum, dated 4/23/2020, reissued
 - 2. Section 00 43 23 Alternates Form, dated 4/23/2020, reissued
 - 3. Section 01 23 00 Alternates, dated 4/23/2020, reissued
 - 4. Section 10 28 00 Toilet Bath and Laundry Accessories, dated 4/23/2020, reissued.
- B. This Addendum includes the following attached Sheets that are for additional approved products:
 - 1. Plexipave Application Specification Asphalt Surfaces (approved for tennis/basketball court add alternate pricing).
 - 2. Pro Spec Cure and Seal WB Data Sheet (approved for all concrete surfaces).
 - 3. Pre Spec Siloxane Final Seal Data Sheet (approved for all concrete surfaces).
- C. This Addendum includes the attached Addendum Drawings:
 - 1. Civil Addendum Drawing G100, dated 4/23/2020, revising Sheet G100
 - 2. Civil Addendum Drawing G102, dated 4/23/2020, revising Sheet G102

3. Civil Addendum Drawing C100, dated 4/23/2020, revising Sheet C100
4. Civil Addendum Drawing C102, dated 4/23/2020, revising Sheet C102
5. Civil Addendum Drawing C103, dated 4/23/2020, revising Sheet C103
6. Civil Addendum Drawing C104, dated 4/23/2020, revising Sheet C104
7. Civil Addendum Drawing C107, dated 4/23/2020, revising Sheet C107

END OF DOCUMENT

DOCUMENT 00 41 43

BID FORM

1.01 BID INFORMATION

- A. Bidder: _____.
- B. Project Name: Wheeler Sports Complex Improvements.
- C. Project Location: Wheeler Sports Complex, 3501 Grand Ave, Duluth, MN 55807
- D. Owner: City of Duluth
- E. Engineer: TKDA.
- F. Engineer Project Number: 17692.000

1.02 CERTIFICATIONS AND BASE BID

- A. Base Bid, Single-Prime (All Trades) Contract: Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by TKDA, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, including all scheduled allowances, necessary to complete the construction of the above-named project, according to the requirements of the Contract Documents, for the stipulated amount of the base bid.
 - 1. _____ Dollars (\$_____).
 - 2. The above amount may be modified by amounts indicated by the Bidder on the attached Document 004322 "Unit Prices Form" and Document 004323 "Alternates Form."

1.03 BID GUARANTEE

- A. Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within 10 days after a written Notice of Award, if offered within 60 days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the amount constituting five percent (5%) of the Base Bid amount above.
- B. In the event Owner does not offer Notice of Award within the time limits stated above, Owner Due to the COVID-19 outbreak, bid bonds are requested to be submitted electronically, either via BidExpress using SuretyWave or Surety 2000, or via email. Bidders wishing to submit a cashier's check, certified check or U.S. money order, must request an exception from purchasing@duluthmn.gov one week before the bid deadline. City public offices are closed, so no in-person drop-offs are allowed.

1.04 SUBCONTRACTORS AND SUPPLIERS

- A. The following companies shall execute subcontracts for the portions of the Work indicated:
 - 1. Concrete Work: _____.
 - 2. Masonry Work: _____.
 - 3. Roofing Work: _____.
 - 4. Plumbing Work: _____.

5. HVAC Work: _____.
6. Electrical Work: _____.

1.05 TIME OF COMPLETION

- A. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by Architect, and shall fully complete the Work on or before October 16, 2020 and will follow the schedule of work located in Section 01 10 00 - Summary of Work.

1.06 ACKNOWLEDGEMENT OF ADDENDA

- A. Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:
 1. Addendum No. 1, dated _____.
 2. Addendum No. 2, dated _____.
 3. Addendum No. 3, dated _____.
 4. Addendum No. 4, dated _____.

1.07 BID SUPPLEMENTS

- A. The following supplements are a part of this Bid Form and are attached hereto.
 1. Bid Form Supplement – Alternates, document 00 43 23.
 2. Bid Form Supplement - Unit Prices, document 00 43 22.

1.08 CONTRACTOR'S LICENSE

- A. The undersigned further states that it is a duly licensed Contractor, for the type of Work proposed, in Duluth, MN, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.09 SUBMISSION OF BID

- A. Respectfully submitted this ____ day of _____, 2020.
- B. Submitted By (Company name): _____.
- C. Authorized Signature: _____.
- D. By (Type name): _____.
- E. Title: _____.
- F. Witness by (Signature): _____.
- G. By (Type name): _____.
- H. Title: _____.
- I. Street Address: _____.
- J. City, State, Zip: _____.

K. Phone: _____.

L. License No.: _____.

M. Federal ID No.: _____.

END OF DOCUMENT

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DOCUMENT 00 43 23

ALTERNATES FORM

1.01 BID INFORMATION

- A. Bidder: _____.
- B. Prime Contract:
- C. Project Name: Wheeler Complex Site Improvements.
- D. Project Location: Wheeler Sports Complex, 3501 Grand Ave, Duluth, MN 55807
- E. Owner: City of Duluth
- F. Engineer: TKDA.
- G. Engineer Project Number: 17692.000

1.02 BID FORM SUPPLEMENT

- A. This form is required to be attached to the Bid Form.

1.03 DESCRIPTION

- A. Bidder proposes the amount below be added to or deducted from the Base Bid if particular alternates are accepted by Owner. Amounts listed for each alternate include costs of related coordination, modification, or adjustment.

1.04 SCHEDULE OF ALTERNATES

- A. Alternate No. 1: Pavilions (2), concrete pads and access sidewalks:
 - 1. ____ ADD ____ DEDUCT ____ NO CHANGE
 - 2. _____ Dollars (\$_____).
- B. Alternate No. 2: Modular block retaining walls in lieu of concrete retaining walls:
 - 1. ____ ADD ____ DEDUCT ____ NO CHANGE
 - 2. _____ Dollars (\$_____).
- C. Alternate No. 3: Bituminous ADA ramps in lieu of concrete ADA ramps:
 - 1. ____ ADD ____ DEDUCT ____ NO CHANGE
 - 2. _____ Dollars (\$_____).
- D. Alternate No. 4: Acrylic coating CMT3, or approved equal, in lieu of Bituminous Fog Seal:
 - 1. ____ ADD ____ DEDUCT ____ NO CHANGE
 - 2. _____ Dollars (\$_____).
- E. Alternate No. 5: Remove existing buildings:
 - 1. ____ ADD ____ DEDUCT ____ NO CHANGE
 - 2. _____ Dollars (\$_____).

F. Alternate No. 6: Install sand volleyball courts:

1. ___ ADD ___ DEDUCT ___ NO CHANGE

_____ Dollars (\$_____).

G. Alternate No. 7: Install landscaping:

1. ___ ADD ___ DEDUCT ___ NO CHANGE

_____ Dollars (\$_____).

1.05 SUBMISSION OF BID SUPPLEMENT

A. Respectfully submitted this ___ day of _____, 2020.

B. Submitted by (Company name): _____.

C. Authorized Signature: _____.

D. Signed by (Typed name): _____.

E. Title: _____.

END OF DOCUMENT

SECTION 01 23 00

ALTERNATES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

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

1.02 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

1.03 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

1.04 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Execute accepted alternates under the same conditions as other work of the Contract.
- C. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS - Not Used

PART 3 - EXECUTION

3.01 SCHEDULE OF ALTERNATES

- A. Alternate No. 1: Pavilions (2), concrete pads and access sidewalks
 - 1. Base Bid: Pavilions and associated concrete work are not included in the base bid.

2. Alternate: Construct 2 - 28' pavilions, concrete pads and access sidewalks as indicated on Drawing C103, manufactured by Poligon, or approved equal, and installed per manufacture's specifications. Detailed drawings can be found at www.poligon.com.
- B. Alternate No. 2: Modular block retaining walls in lieu of concrete retaining walls:
1. Base Bid: Concrete retaining walls as shown on C102 and associated structural drawings and structural specifications.
 2. Alternate: Construct modular block retaining walls as located on C102, providing design to structural engineer for approval.
- C. Alternate No. 3: Bituminous ADA ramps in lieu of concrete ADA ramps:
1. Base Bid: ADA ramps shall be constructed of concrete as shown on C102 and C107, as specified in Section 32 13 13.
 2. Alternate: Construct ADA ramps with bituminous material as shown on C102 and C107 as specified in Section 32 12 16.
- D. Alternate No. 4: Acrylic coating CMT3 in lieu of Bituminous Fog Seal:
1. Base Bid: Place Bituminous Fog Seal on entire tennis and basketball court, as indicated on Drawing C104, as specified by MNDOT Spec 2355.
 2. Alternate: Place Acrylic coating CMT3 in lieu of Bituminous Fog Seal as indicated on Drawing C104, and approved by the Engineer.
- E. Alternate No. 5: Remove buildings:
1. Base Bid: Work not included.
 2. Alternate: Remove buildings and dispose off-site as indicated on Drawing C100, and approved by the Engineer.
- F. Alternate No. 6: Install sand volleyball courts:
1. Base Bid: Work not included.
 2. Alternate: Install sand volleyball courts as indicated on Drawing C103, and approved by the Engineer.
- G. Alternate No. 7: Install landscaping:
1. Base Bid: Work not included.
 2. Alternate: install landscaping as indicated on Drawing C103, and approved by the Engineer.

END OF SECTION

SECTION 10 28 00

TOILET, BATH, AND LAUNDRY ACCESSORIES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

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

1.02 SUMMARY

- A. Section Includes:

- 1. Public use washroom accessories.
- 2. Warm air dryers.
- 3. Childcare accessories.

1.03 COORDINATION

- A. Coordinate accessory locations with other work to prevent interference with clearances required for access by people with disabilities, and for proper installation, adjustment, operation, cleaning, and servicing of accessories.
- B. Deliver inserts and anchoring devices set into concrete or masonry as required to prevent delaying the Work.

1.04 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
 - 2. Include anchoring and mounting requirements, including requirements for cutouts in other work and substrate preparation.
 - 3. Include electrical characteristics.
- B. Product Schedule: Indicating types, quantities, sizes, and installation locations by room of each accessory required.
 - 1. Identify locations using room designations indicated.
 - 2. Identify accessories using designations indicated.

1.05 INFORMATIONAL SUBMITTALS

- A. Sample Warranty: For manufacturer's special warranty.

1.06 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For accessories to include in maintenance manuals.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Basis of Design Product: Where Specifications name a product, or refer to a product indicated on Drawings, and include a list of manufacturers, provide the specified or indicated product or a comparable product by one of the other named manufacturers.
- B. Limited List of Manufacturers: Comply with requirements in Section 016000 "Product Requirements" for consideration of an unnamed product by one of the other named manufacturers.
 - 1. American Specialties, Inc., (914) 476-9000, www.americanspecialties.com.
 - 2. Bobrick Washroom Equipment, (818) 982- 9600, www.bobrick.com.
 - 3. Bradley Corporation, (800) 272-3539, www.bradleycorp.com.

2.02 PERFORMANCE REQUIREMENTS

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

2.03 PUBLIC USE WASHROOM ACCESSORIES

- A. Source Limitations: Obtain public use washroom accessories from single source from single manufacturer.
- B. Toilet Tissue (Roll) Dispenser:
 - 1. Product: Subject to compliance with requirements, provide the following:
 - a. Bobrick No. B-2740 (side by side), or pre-approved equal.
 - 2. Description: Double roll dispenser.
 - 3. Mounting: Surface mounted.
 - 4. Operation: Non-control delivery with theft resistant spindle.
 - 5. Capacity: Designed for 4-1/2 or 5 inch diameter tissue rolls.
 - 6. Material and Finish: Stainless steel, No. 4 finish (satin).
- C. Waste Receptacle:
 - 1. Product: Subject to compliance with requirements, provide the following:
 - a. Bobrick No. B-277, or pre-approved equal.
 - 2. Mounting: Surface mounted.
 - 3. Minimum Capacity: 12.75 gallon.
 - 4. Material and Finish: Stainless steel, No. 4 finish (satin).
- D. Liquid Soap Dispenser:
 - 1. Product: Subject to compliance with requirements, provide the following:
 - a. Bobrick No. B-2112, or pre-approved equal.

2. Description: Designed for dispensing soap in liquid or lotion form.
3. Mounting: Horizontally oriented, surface mounted.
4. Capacity: 40 fl. oz.
5. Materials: Stainless steel, No. 4 finish (satin).
6. Lockset: Tumbler type.
7. Refill Indicator: Window type.

E. Grab Bar:

1. Product: Subject to compliance with requirements, provide the following:
 - a. Bobrick No. B-6806 by 18, 36, and 42, or pre-approved equal.
2. Mounting: Flanges with concealed fasteners.
3. Material: Stainless steel, 0.05 inch thick.
 - a. Finish: Smooth, No. 4 finish (satin).
4. Outside Diameter: 1-1/2 inches.
5. Configuration and Length at wheelchair accessible compartments:
 - a. 18 inch vertical grab bar at side wall.
 - b. 42 inch horizontal grab bar at side wall.
 - c. 36 inch horizontal at back wall.

F. Sanitary Napkin Vendor:

1. Product: Subject to compliance with requirements, provide the following:
 - a. Bobrick No. B-2706 25, or pre-approved equal.
2. Type: Sanitary napkin and tampon.
3. Mounting: Surface mounted.
4. Capacity: 20 sanitary napkins and 30 tampons.
5. Operation: Single coin; 25 cents.
6. Exposed Material and Finish: Stainless steel, No. 4 finish (satin).
7. Lockset: Tumbler type with separate lock and key for coin box.

G. Sanitary Napkin Disposal Unit:

1. Product: Subject to compliance with requirements, provide the following:
 - a. Bobrick No. B-270, or pre-approved equal.
2. Mounting: Surface mounted.
3. Door or Cover: Self-closing, disposal opening cover.
4. Receptacle: Removable.
5. Material and Finish: Stainless steel, No. 4 finish (satin).

H. Coat Hook:

1. Product: Subject to compliance with requirements, provide the following:
 - a. Bobrick No. B-6717, or pre-approved equal.
2. Description: Single prong unit.
3. Material and Finish: Stainless steel, No. 4 finish (satin).

2.04 WARM AIR DRYERS

- A. Source Limitations: Obtain warm air dryers from single source from single manufacturer.
- B. Warm Air Dryer:
 - 1. Product: Subject to compliance with requirements, provide the following:
 - a. Bobrick No. B-7180, or pre-approved equal.
 - 2. Description: Surface mounted warm air hand dryer for rapid hand drying.
 - 3. Operation: Electronic sensor activated with operation time of 1-1/2 minutes.
 - 4. Cover Material and Finish: Aluminum die cast with high gloss finish electrostatically applied.
 - 5. Electrical Requirements: 115V, 8.5A, 1000W.

2.05 CHILDCARE ACCESSORIES

- A. Source Limitations: Obtain childcare accessories from single source from single manufacturer.
- B. Diaper Changing Station:
 - 1. Product: Subject to compliance with requirements, provide the following:
 - a. Bobrick No. B-2210, or pre-approved equal.
 - 2. Description: Horizontal unit that opens by folding down from stored position and with child protection strap.
 - a. Engineered to support minimum of 200 lb. static load when opened.
 - 3. Mounting: Surface mounted, with unit projecting not more than 4 inches from wall when closed.
 - 4. Operation: By pneumatic shock absorbing mechanism.
 - 5. Material and Finish: HDPE in color selected by Architect from Manufacturers full range.
 - 6. Liner Dispenser: Built in.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Install accessories according to manufacturers' written instructions, using fasteners appropriate to substrate indicated and recommended by unit manufacturer. Install units level, plumb, and firmly anchored in locations and at heights indicated.
- B. Grab Bars: Install to withstand a downward load of at least 250 lbf, when tested according to ASTM F 446.

3.02 ADJUSTING AND CLEANING

- A. Adjust accessories for unencumbered, smooth operation. Replace damaged or defective items.
- B. Remove temporary labels and protective coatings.
- C. Clean and polish exposed surfaces according to manufacturer's written instructions.

END OF SECTION



A Division of California Products • An Employee Owned Company
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SECTION 10.18

SITE IMPROVEMENTS **ATHLETIC FACILITIES**

EXTERIOR/INTERIOR

ACRYLIC LATEX

COLOR SURFACE SYSTEM

APPLICATION SPECIFICATIONS **ASPHALT SURFACES**

1.0 DESCRIPTION

This specification covers the application of a new wearing surface texture for Plexipave Tennis Courts and new or existing asphalt concrete tennis courts that have a sound, well-drained base of adequate thickness and stability. Existing surfaces should be properly sloped for good drainage, and free from cracks. The process consists of the repair of any minor depressions, followed by application of the Plexipave System.

NOTE: The success of the all-weather characteristics of resurfacing is dependent on a sound base (with good drainage) and asphalt concrete meeting the requirements of The National Asphalt Paving Association and the U.S. Tennis Court and Track Builders Association. Surface variation should not exceed 1/8 inch in ten feet, when measured in any direction with a straightedge and a slope of 1 inch in 10 feet, all in one plane.

2.0 MATERIALS

- 2.1 Plexipave Court Patch Binder** – shall comply with Specification 10.14 of California Products Corporation.
- 2.2 Plexipatch** – shall comply with Specification 10.21 of California Products Corporation.
- 2.3 Acrylic Resurfacer** - shall comply with Specification 10.8 of California Products Corporation.
- 2.4 Plexipave Color Base** - shall conform to Specification 10.5 of California Products Corporation.
- 2.5 Plexichrome** - shall conform to Specification 10.1 of California Products Corporation.
- 2.6 Plexicolor Line Paint** - shall conform to Specification 10.4 of California Products Corporation.
- 2.7 Water** – the water used in all mixtures shall be fresh and potable.

3.0 CONSTRUCTION

- 3.1 Surface Preparation** - The surface to be coated must be sound, smooth, and free from dust, dirt or oily materials. Prior to the application of surfacing materials, the entire surface should be flooded, and checked for minor depressions or irregularities. Any puddled area covering a nickel shall be marked and repaired with Court Patch Binder using the following mix:

100 lbs. 60 – 80 mesh silica sand (dry)
3 gallons Plexipave Court Patch Binder
1 to 2 gallons Portland Cement (dry) (depending on humidity and temperature)

Tack coat consisting of 1 part Court Patch Binder and 2 parts water shall be applied to the patch areas and allowed to dry thoroughly prior to patching. For more information see CPC Specification 10.14 or 10.21.

After patching, the surface shall not vary more than 1/8 inch in ten feet measured in any direction.

4.0 SURFACE PREPARATION

In order to provide a smooth, dense underlayment for the Plexipave system, one application of California Acrylic Resurfacer shall be applied to the surface to obtain a coverage of 15 – 20 sq. yds. Per gallon (.07 - .05 gallons per square yard). No application shall be covered by a succeeding application until thoroughly cured. Dilution with water and sand is required utilizing the following mix:

Acrylic Resurfacer	55 gallons
Water (Clean and Potable)	20-40 gallons
Sand (45-60 Mesh)	<u>600 – 900 lbs.</u>
Liquid Yield	112 – 138 gallons

5.0 FORTIFIED PLEXIPAVE

- 5.1 Fortified Plexipave shall be applied by rubber bladed squeegee on the clean, dry surface in 3 applications to obtain a total quantity of not less than .15 nor more than .23 gallons per sq. yd. of area, based on the material prior to any dilution. No application shall be covered by a succeeding application until thoroughly cured.

Fortified Plexipave can be job mixed as follows:

Plexipave Color Base	30 gallons
Plexichrome	20 gallons
Water	20 gallons

The diluted material shall be homogenous. Segregation before or during application will not be permitted.

The finished surface shall have a uniform appearance and be free from ridges and tool marks.

- 5.2 **PLAYING LINES** – Four hours minimum after completion of the color resurfacing, 2-inch wide playing lines shall be accurately located, marked, and painted with Plexicolor Line Paint as specified by U.S. Tennis Association.

6.0 LIMITATIONS

No part of the construction involving the Plexipave System shall be conducted during rainfall, or when rainfall is imminent. The air temperature must be at least 50°F and rising. Do not apply when surface temperature is above 140°F. The Plexipave System will not prevent surface or structural cracks from reoccurring.

1. PRODUCT NAME

ProSpec® Cure & Seal WB

2. MANUFACTURER

Akona® Manufacturing, LLC, a TCC Materials® company
(Akona® Manufacturing is a licensed manufacturer of ProSpec®)
2025 Centre Pointe Blvd, Suite 300
Mendota Heights, MN 55120 USA

Phone: 1.651.688.9116
Fax: 1.651.688.9164
Internet: tccmaterials.com

3. PRODUCT DESCRIPTION

ProSpec® Cure & Seal WB is a clear, non-yellowing, waterborne, acrylic polymer membrane forming compound used for curing, sealing, and hardening of freshly-placed and/or existing concrete, terrazzo, brick, stone, architectural concrete, and other cementitious materials. Cure & Seal WB will pass all VOC compliance laws. Cure & Seal WB is formulated to cure, seal, protect, and dustproof concrete, as well as to seal many types of porous tile and resilient floors. Designed for both exterior and interior applications, it is particularly recommended for indoor work in public buildings and housing (hospitals, restaurants, and private residences where solvent systems are difficult to use). The white solution dries clear and provides a dust-free surface. Cure & Seal WB provides maximum hardness to the concrete as well as resistance to traffic abrasion. Construction debris are easier to clean. Compatible with most tile and carpet adhesives.

Features and Benefits

- Low VOC, water-based mix
- Tack-free in 2–4 hours
- Penetrates into surfaces
- Ready to use (no diluting)
- Chemical resistant
- Sprays white, dries clear

Uses

- Cure and seal surfaces
- Interior or exterior applications
- New or existing applications
- Concrete, masonry, terrazzo, brick, stone, masonry, and other cementitious materials.
- Seal many types of resilient floor coverings and porous ceramic tile.
- Commercial and residential applications

SAFETY

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS information is available on our website: tccmaterials.com or contact TCC Materials® at 651–688–9116 (7:30 AM to 4:00 PM Central US Time).

CAUTIONS

Read complete cautionary information printed on product container prior to use.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered ProSpec® brand product(s) under normal environmental and working conditions. Because each project is different, neither ProSpec® nor TCC Materials® can be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

4. TECHNICAL DATA

Typical Results of ProSpec® Cure & Seal WB	
Composition and Materials	Formulated of fine quality, hard but pliable acrylic polymers in an aqueous system. No fillers are used and there are no oils, waxes or saponifiable resins. ProSpec® products are manufactured with only the finest quality raw materials available and close quality-control is practiced.
Moisture Efficiency	Meets ASTM C-309
Typical Drying Time @ 70°F	1–2 hours (touch) 4–12 hours (traffic)
VOC Content	< 350 g/l
A.I.M. Category	Concrete Curing Compound Maximum VOC 350 g/l
Applicable Standards	ASTM C-309, Type 1, Class A, B and Type 1D with a red dye added. Fed. TT-C-800A, Type 1, Class 1 ACI Standard 302.77 for use on Class 1, 2, 3, and 4 concrete floors AASHTO Des. M-148, Type 1, Clear USDA Authorization for use in meat, poultry, and food processing plants. Resilient Tile Institute approval for compatibility with most resilient tile, carpet adhesives, and paints.

NOTE: These dry times are dependent on normal drying conditions. Cool temperatures or high humidity will slow the drying time.

Packaging

- 1 gal. bottle (3.78 L) – Product #120823
- 5 gal. pail (18.93 L) – Product #120822
- 55 gal. drum (208 L) – Product #120824

Shelf Life

For best use, the recommended shelf life is 12 months. If shelf life is beyond 12 months, please contact your distributor. Store in the original, tightly closed container, out of direct sunlight. Protect from freezing, store at 50°F–90°F (10°C–32°C).

5. INSTALLATION

Preparation

- Remove all loose or unsound materials prior to application.
- Thoroughly clean existing surfaces of dirt, dust, oil, grease or other contaminants before using. TSP (Trisodium Phosphate) in very hot water can be used, rinse well and allow to dry.
- Check compatibility with the substrate manufacturer prior to placement.
- Do not apply when rain is expected within 4–6 hours of application.

Note: It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

Job Mockups

The manufacturer requires that when its ProSpec® products are used in any application or as part of any system that includes other manufacturers' products, the contractor and/or design professional shall test all the system components collectively for compatibility, performance and long-term intended use in accordance with pertinent and accepted industry standards prior to any construction. Written documentation of the tests performed shall be satisfactory to the design professional and contractor. Test results must include the means and methods of application, products used, project-specific conditions being addressed, and standardized tests performed for each proposed system or variation.

Mixing

- Mixture may be gently stirred to blend prior to use.
- Do not dilute.

Application

1. Apply only when air and substrate temperatures are between 50°F–90°F (10°C–32°C). Apply to dry surfaces only for optimal performance
2. Use low-pressure sprayer to apply uniformly at the specified rate of coverage. Avoid heavy accumulation. A lamb's wool applicator or medium nap roller can also be used.
3. Do not allow exposure to rainfall, water, or traffic until fully dried.

NOTE: Cure & Seal WB may darken the appearance of concrete, especially if it is applied too heavily. A small mock-up in an inconspicuous area is often done to test compatibility with the substrate prior to full application.

New Concrete (CURING):

Apply after troweling is complete and surface is dry, immediately after surface water has dissipated and concrete can withstand weight. Use of a low-pressure sprayer is best to apply uniformly at the specified rate of coverage, however other application methods can be used i.e. lamb's wool applicator, or medium nap roller.

Existing Concrete (SEALING):

Apply to a clean, dry surface. Use a medium nap roller or low-pressure sprayer to apply uniformly, avoiding heavy accumulations. A second coat may be applied on very porous surfaces with rapid absorption. Allow the product to become tack-free between coats. Spray the second coat with good pressure and a mist of spray from the nozzle.

Cleaning

Use warm water and soap before this material dries. After product dries, an organic solvent such as xylene, may be used.

Limitations

- Store and apply between 50°F–90°F (10°C–32°C). Do not allow product in container to freeze.
- Avoid a build-up or over-application of product as this may cause slippery conditions or separation between coats.
- Keep containers tightly sealed when not in use.
- Wash hands after using.
- Do not dilute with water or solvents.
- Dispose of contents/container in accordance with all local and state regulations.
- Keep out of reach of children.

Coverage

Approximate Coverage @ 70°F (21°C)	Sq. Ft./Gal.	M ² /L
Curing: Broomed or Troweled	200–300	4.9–7.3
Second Coat	300–500	7.3–12.6

Note: Coverage is per coating and may vary due to porosity, wind, temperatures, and condition of surfaces.

6. AVAILABILITY

To locate ProSpec® products in your area, please contact:

Phone: 1.651.688.9116
Website: tccmaterials.com

7. WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

8. MAINTENANCE

Not applicable.

9. TECHNICAL SERVICES

Technical Assistance:

Information is available by calling TCC Materials®
(hours 7:30 AM to 4:00 PM CST):

Phone: 1.651.688.9116
Fax: 1.651.688.6164
Web: tccmaterials.com

Technical and Safety Literature:

To acquire technical and safety literature, please visit our website at: tccmaterials.com.

10. FILING SYSTEM

Division 9

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ProSpec® is a trademark of H.B. Fuller Construction Products Inc.

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SPEC BLENDED CONSTRUCTION PRODUCTS®

2025 Centre Pointe Blvd, Suite 300,
Mendota Heights, MN 55120

1. PRODUCT NAME

ProSpec® Siloxane Final Seal

2. MANUFACTURER

Akona® Manufacturing, LLC, a TCC Materials® company
(Akona® Manufacturing is a licensed manufacturer of ProSpec®)
2025 Centre Pointe Blvd, Suite 300
Mendota Heights, MN 55120 USA

Phone: 1.651.688.9116
Fax: 1.651.688.9164
Internet: tccmaterials.com

3. PRODUCT DESCRIPTION

ProSpec® Siloxane Final Seal is an aromatic solvent-based concrete sealer/water-repellent that penetrates and reacts chemically within the capillaries of the concrete or masonry to protect against moisture penetration and the spalling, freeze damage, and rebar corrosion which moisture can cause. It is suitable for use in protecting and sealing fully-cured fresh concrete, existing concrete, brick, stone terrazzo, stucco, architectural concrete, and other cementitious materials, and can be applied to surfaces where a cure and seal coating was previously applied. Siloxane Final Seal is used for above grade exterior applications that are not subject to hydrostatic pressure.

Features and Benefits

- Natural matte finish
- Non-staining, non-yellowing
- Ready to use (do not dilute)
- Can be applied to surfaces that had a cure and seal coating previously applied
- High alkali resistance
- Breathable and deep penetrating
- Easy to apply with sprayer and roller
- Dries tack free
- Provides early water repellency
- Once cured, pronounced water beading effect

Uses

- Above-grade exterior applications
- Concrete or masonry applications
- Fully-cured new or existing applications
- Can be used on surfaces with previous cure and seal coatings
- Terrazzo, brick, natural and synthetic stone, stucco, and other cementitious materials

SAFETY

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS information is available on our website: tccmaterials.com or contact TCC Materials® at 651-688-9116 (7:30 AM to 4:00 PM Central US Time).

CAUTIONS

Read complete cautionary information printed on product container prior to use.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered ProSpec® brand product(s) under normal environmental and working conditions. Because each project is different, neither ProSpec® nor TCC Materials® can be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

4. TECHNICAL DATA

Typical Results of ProSpec® Siloxane Final Seal	
Composition and Materials	An oligomeric, organosiloxane, aromatic solvent water repellent. ProSpec® products are manufactured with only the finest quality raw materials available and close quality-control is practiced.
Density	7.39 lbs.
Flash Point	>80°F (>26.6°C)
Typical Drying Time @ 70°F	1-2 hours (touch) 2-4 hours (traffic)
VOC Content*	>700 g/l
A.I.M. Category	Waterproofing Sealers and Treatments Maximum VOC 600 g/l
Applicable Standards	ASTM C-666 Resistance of Concrete to Rapid Freezing and Thawing ASTM C672 Scaling Resistance AASHTL T259 Resistance of Concrete to Chloride Ion Penetration NCHRP 244 (water absorption, % water vapor transmission and % reduction in chloride intrusion)

Note: Exceeds VOC content limit. Exceedance fee has been paid.

These dry times are dependent on normal drying conditions. Cool temperatures or high humidity will slow the drying time.

Packaging

- 1 gal. bottle (3.78 L) - Product #120828
- 5 gal. pail (18.93 L) - Product #120827
- 55 gal. drum (208 L) - Product #120829

Shelf Life

For best use, the recommended shelf life is 12 months. If shelf life is beyond 12 months, please contact your distributor. Store in the original labeled container, away from moisture, out of direct sunlight. Protect from freezing, store at 50°F-100°F (10°C-37°C). DO NOT STORE NEAR HEAT OR OPEN FLAME. Keep containers tightly sealed when not in use.

5. INSTALLATION

Preparation

- Remove all loose or unsound materials prior to application.
- Thoroughly clean surface of dirt, dust, oil, grease, or other contaminants before using.
- Check compatibility with the substrate manufacturer prior to placement.
- Apply only to dry surfaces for optimal performance.
- Do not apply when rain is expected within 4-6 hours of application.
- New concrete should be properly cured (28 days) before use.
- Keep containers tightly sealed when not in use, and use only in well-ventilated areas.

New Concrete: All fresh concrete should be properly cured (28 days).

Existing Concrete: Repair any cracks or damaged areas. Mechanical abrasion of smooth-finished surfaces may be needed for maximum penetration.

Note: It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

Job Mockups

The manufacturer requires that when its ProSpec® products are used in any application or as part of any system that includes other manufacturers' products, the contractor and/or design professional shall test all the system components collectively for compatibility, performance and long-term intended use in accordance with pertinent and accepted industry standards prior to any construction. Written documentation of the tests performed shall be satisfactory to the design professional and contractor. Test results must include the means and methods of application, products used, project-specific conditions being addressed, and standardized tests performed for each proposed system or variation.

Mixing

- Mixture may be gently stirred to blend prior to use. Do not entrain air.
- Do not dilute.

Application

1. Apply when both air and surfaces temperatures are above 40°F (4.4°C).
2. For best results, surfaces must be clean and dry.
3. Apply with low-pressure sprayer (20-30 lbs.) and back-roll or apply with roller at the specified rate of coverage. It is important to roll the surface to spread the sealer evenly. Surface should have a uniform wet-look until the sealer dries.
4. Roll out any pools that accumulate on the surface until liquid no longer moves on surface or when cobwebbing occurs on the roller surface.

Note: Siloxane Final Seal may darken the appearance of concrete, especially if it is applied too heavily. A small mock-up in an inconspicuous area is often done to test compatibility with the substrate prior to full application. When applying to existing areas surfaces must be clean and dry.

Cleaning

Use xylene-based solvent cleaners on tools and equipment. For sprayers, pump the solvent through the spray equipment to remove any residue to prevent clogs in the hose and wand. For skin contact, wash thoroughly with soap and water.

Limitations

- Apply only to fully cured, dry surfaces for optimal performance.
- Not for use on gypsum surfaces.
- Dispose of contents/container in accordance with all local and state regulations.
- Keep out of reach of children.

Coverage

Approximate Coverage @ 70°F (21°C)	Sq. Ft./Gal.	M ² /L
Concrete driveways, sidewalks, patios	150-250	3.7-6.1
Bridge decks / ramps	100-200	2.4-4.9
Smooth concrete	125-225	3-5.5
Exposed aggregate	100-200	2.4-4.9
Concrete block	50-100	1.2-2.4
Brick / stone	60-200	1.4-4.9

Note: The recommended coverage rate for most concrete substrates is no less than 150 sq. ft. per gal. Coverage may vary due to porosity, wind, temperatures, and condition of concrete.

6. AVAILABILITY

To locate ProSpec® products in your area, please contact:

Phone: 1.651.688.9116
Website: tccmaterials.com

7. WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

8. MAINTENANCE

Normal sweeping, dusting, or mopping. If spillage removes the coating or if traffic wear patterns occur, Siloxane Final Seal can be re-applied to the affected area.

9. TECHNICAL SERVICES

Technical Assistance:

Information is available by calling TCC Materials®
(hours 7:30 AM to 4:00 PM CST):

Phone: 1.651.688.9116
Fax: 1.651.688.6164
Web: tccmaterials.com

Technical and Safety Literature:

To acquire technical and safety literature, please visit our website at: tccmaterials.com.

10. FILING SYSTEM

Division 9

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SPEC BLENDED CONSTRUCTION PRODUCTS®

2025 Centre Pointe Blvd, Suite 300,
Mendota Heights, MN 55120

CONSTRUCTION NOTES

1. Contractor shall restore all impacted turf with 4" topsoil and sod.
2. The construction dates shown in the construction specifications are mandatory dates. All work performed by the contractor that is in close proximity to on-going activities shall be performed with minimal impact as practical to adjacent activities.
3. Contractor shall maintain access to all areas of the sports complex. Equipment and materials shall be stored at an on-site location approved by the Owner and Engineer.
3. Damage caused by the Contractor's negligence in performance of work shall be repaired at the Contractor's expense to the satisfaction of the Engineer.
4. Contact Public Works or the Engineer for help with exact location of buried waterline for the drinking fountain.
5. Any change in scope shall be approved by the Owner and Engineer before work shall be performed.
6. Volleyball Courts, dimensions obtained from manufacturer. Poles and bases installed per manufacturer design. Bases to be approved by Engineer. Type V geofabric barrier under layment between natural soil and sand. 8" select granular borrow (MNDOT Spec). Composite Edging to be installed at full depth of sand around entire area.
7. Replace scoreboards on fields 1-5 using existing mounting posts. Coordinate with Owner specifics of installation. See manufacturer and model in he specification book.

GENERAL NOTES

1. ALL EXISTING INFORMATION TAKEN FROM SURVEY BY TKDA
2. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS INCLUDING LOCATIONS OF EXISTING UTILITIES, AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING CONSTRUCTION.
3. ALL AREAS DISTURBED BY CONSTRUCTION WHICH ARE OUTSIDE OF THE CONSTRUCTION LIMITS ARE TO BE RESTORED AND REVEGETATED.
4. ALL UTILITY DEMOLITION AND/OR ABANDONMENT TO BE PERFORMED IN ACCORDANCE WITH STATE OF MINNESOTA STANDARDS.
5. EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS. CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES. CONTRACTOR TO CONTACT GOPHER ONE-CALL BEFORE EXCAVATING.
6. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS NOTED OTHERWISE.
7. CONTRACTOR TO PROTECT FROM DAMAGE ALL EXISTING IMPROVEMENTS, LANDSCAPING, STRUCTURES AND UTILITIES THAT ARE TO REMAIN. CONTRACTOR TO REPAIR ANY DAMAGE AT OWN EXPENSE.
8. ALL WORK TO CONFORM WITH STATE OF MINNESOTA STANDARDS AND REGULATIONS.
9. ALL EXCAVATIONS MUST COMPLY WITH THE REQUIREMENTS OF OSHA 29 CFR, PART 1926, SUBPART P "EXCAVATIONS AND TRENCHES". THIS DOCUMENT STATES THAT EXCAVATION SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO STARTING CONSTRUCTION.
11. ALL MATERIALS FOR PROPOSED CONSTRUCTION OR REPAIR OF EXISTING FACILITIES SHALL BE NEW PRODUCTS DIRECT FROM THE FACTORY AND FREE FROM DEFECTS.
12. WHEN WORKING AROUND EXISTING TELEPHONE OR ELECTRICAL POLES, THE CONTRACTOR SHALL BRACE THE POLE FOR SUPPORT.
13. WHEN WORKING AROUND EXISTING UTILITIES THAT BECOME EXPOSED, THE CONTRACTOR SHALL PROVIDE SUFFICIENT SUPPORT TO PREVENT EXCESSIVE STRESS ON THE PIPING. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND FACILITIES.
14. ALL PAVEMENT MARKINGS WITHIN EXISTING PAVEMENT AREAS TO BE RESTORED TO MATCH EXISTING UNLESS NOTED OTHERWISE.
15. MAXIMUM CROSS-SLOPES FOR SIDEWALKS AND ADA ACCESS ROUTES SHALL NOT EXCEED 2.00%. MAXIMUM SLOPES FOR ADA PARKING STALLS AND ADA ACCESS AISLES SHALL NOT EXCEED 2.00% IN ANY DIRECTION. MAXIMUM RUNNING SLOPE FOR ALL ADA ACCESS ROUTES SHALL NOT EXCEED 5.00%.
16. WASTE MATERIALS INCLUDING PAVEMENT REMOVED DURING CONSTRUCTION, WASTE PIPING AND SUPPLIES, CONSTRUCTION DEBRIS AND EXCESS EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PROJECT SITE AND RECYCLED PROPERLY BY THE CONTRACTOR.
17. CONTRACTOR SHALL NOT BLOCK DRAINAGE FROM OR DIRECT EXCESS DRAINAGE ONTO ADJACENT PROPERTY.
18. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE OWNING AUTHORITY. ALL CONSTRUCTION STORM RUNOFF SHALL COMPLY WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES).
19. CARE MUST BE TAKEN DURING CONSTRUCTION AND EXCAVATION TO PROTECT ANY SURVEY MONUMENTS AND/OR PROPERTY IRONS.
20. COORDINATE SCHEDULING OF CLOSURES AND RE-OPENINGS OF EGRESS, LOADING DOCKS, DUMPSTERS, DRIVEWAYS AND ROADS WITH OWNER.
21. DRAWINGS DO NOT INDICATE AREAS OF TEMPORARY SUPPORT SYSTEMS. THE CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS AND WILL HAVE TOTAL CONTROL OVER THE TYPES AND DESIGN OF ALL SHORING, SHEETING, BRACING, ANCHORAGES, EXCAVATION SUPPORT WALLS, DIRECTIONAL BORING, AUGER JACKING, SOIL STABILIZATION AND OTHER METHODS OF PROTECTING EXISTING IMPROVEMENTS.
22. STORAGE AND PROTECTION OF EXISTING SITE FEATURES WHICH NEED TO BE REMOVED AND REPLACED FOR CONSTRUCTION OF PROJECT ARE THE RESPONSIBILITY OF THE CONTRACTOR. STORAGE SHALL BE WITHIN THE LIMITS OF STAGING AREA. CONTRACTOR SHALL PREVENT DAMAGE OR THEFT OF THESE ITEMS AND TO REPLACE AT OWN EXPENSE.
23. CONTRACTOR TO RECORD EXISTING CONDITIONS AS NEEDED (PHOTOGRAPHS, VIDEO PHOTOGRAPHY, FIELD SURVEYING, ETC.) TO ENABLE RECONSTRUCTION TO MATCH EXISTING CONDITIONS AS REQUIRED.
24. WHERE DEMOLITION, EXCAVATION, UNDERPINNING, PILE DRIVING, COMPACTING OR SIMILAR WORK IS TO BE PERFORMED ADJACENT TO OR IN THE IMMEDIATE VICINITY OF EXISTING STRUCTURES, THE CONTRACTOR WILL PROVIDE BUILDING SURVEYS AND SEISMIC MONITORING. COORDINATE WITH OWNER.
25. ALL EXISTING BUILDING EXITS SHALL REMAIN UNOBSTRUCTED AND USABLE AT ALL TIMES. IF THERE ARE UNAVOIDABLE EXCEPTIONS, THEN CONTRACTOR SHALL PROVIDE TEMPORARY EXIT PLANS TO THE OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.
26. ALL STUMPS REMOVED WITHIN PROJECT LIMITS SHALL BE GROUND AND REMOVED IN THEIR ENTIRETY.

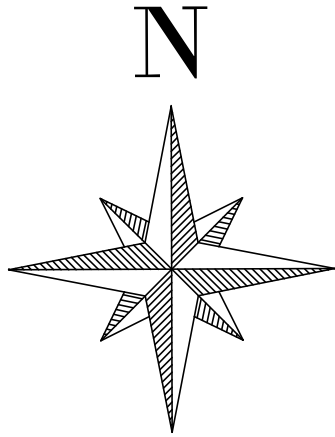
EROSION CONTROL NOTES

1. APPLY AND ACQUIRE NPDES PERMIT. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS WITHIN STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
2. INSTALL PERIMETER EROSION CONTROL AT THE LOCATIONS SHOWN ON THE PLANS PRIOR TO BEGINNING CONSTRUCTION. (HAY BALES ARE NOT AN ACCEPTABLE PERIMETER CONTROL).
3. INSTALL TREE PROTECTION FENCING AROUND ALL TREES TO REMAIN PRIOR TO BEGINNING CONSTRUCTION.
4. CONTRACTOR TO PROVIDE EROSION CONTROL SUPERVISOR AND MAINTAIN ALL EROSION CONTROL DEVICES



CITY OF DULUTH
WHEELER ATHLETIC
COMPLEX

West Duluth
Sports Corridor
Wheeler Complex
Site Improvements



ALL CONTRACTORS AND SUBCONTRACTORS SHALL
VERIFY ALL DIMENSIONS BY MEASUREMENT AT THE
BUILDING AND/OR SITE

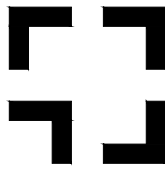
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B	04.05.2020				ISSUED FOR CONSTRUCTION
A	3-18-2020				OWNER REVIEW
NO.	DATE				ISSUE RECORD

I HEREBY CERTIFY THAT THIS PLAN,
SPECIFICATION OR REPORT WAS PREPARED BY ME
OR UNDER MY DIRECT SUPERVISION AND THAT I AM
A DULY LICENSED ENGINEER UNDER THE LAWS OF
THE STATE OF MINNESOTA

SIGNATURE:
PRINTED NAME: JON IOYE
LICENSE NO: 52222 DATE: 4/6/2020



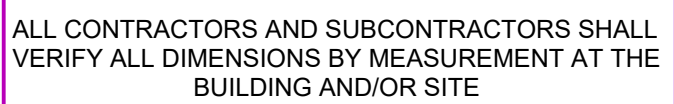
11 East Superior Street, Suite 420
Duluth, MN 55802
218.724.8578
tkda.com

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SITE OVERVIEW &
DRAWING KEY

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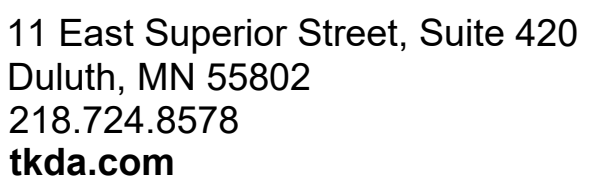
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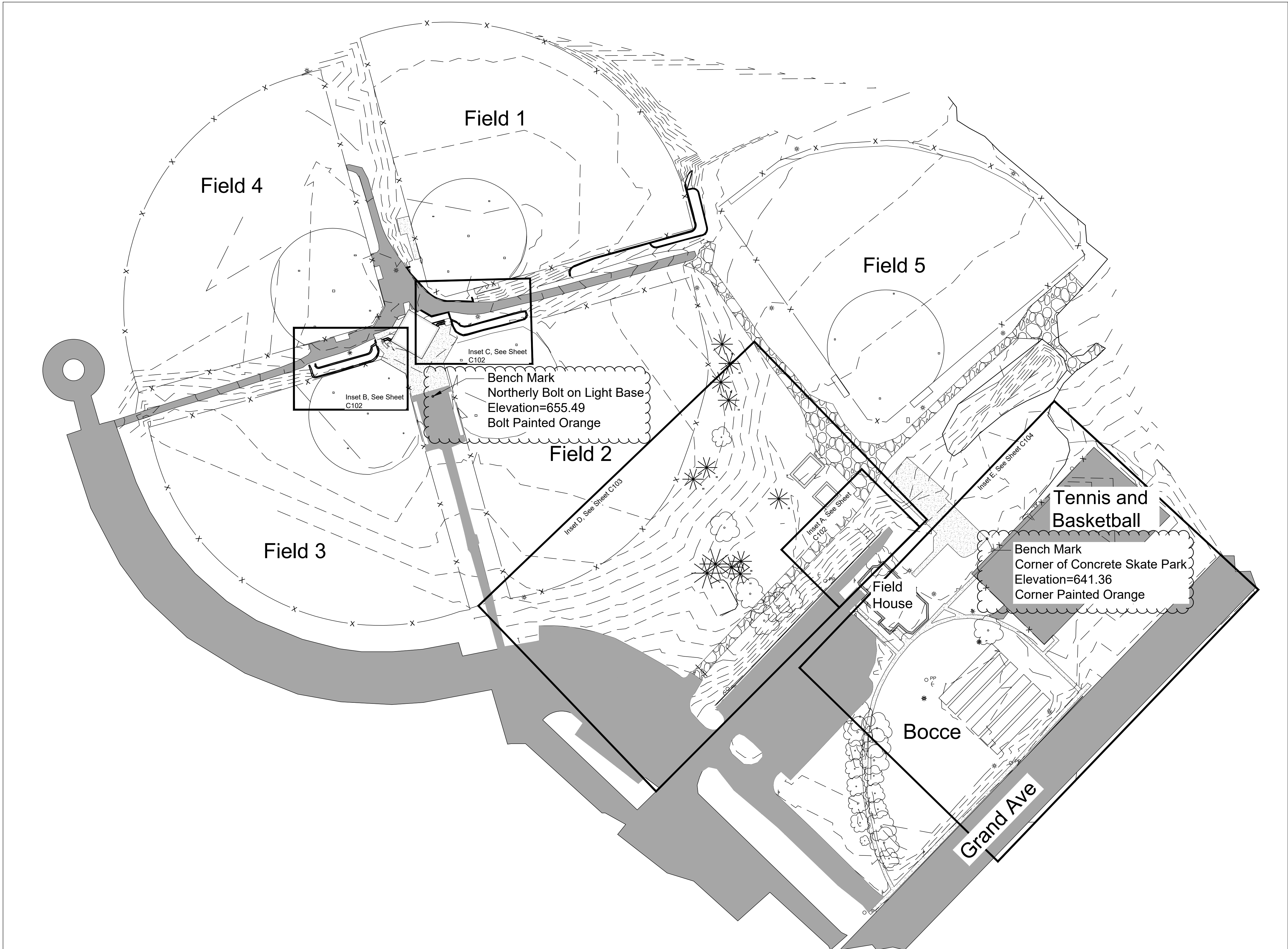
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Survey Wheeler


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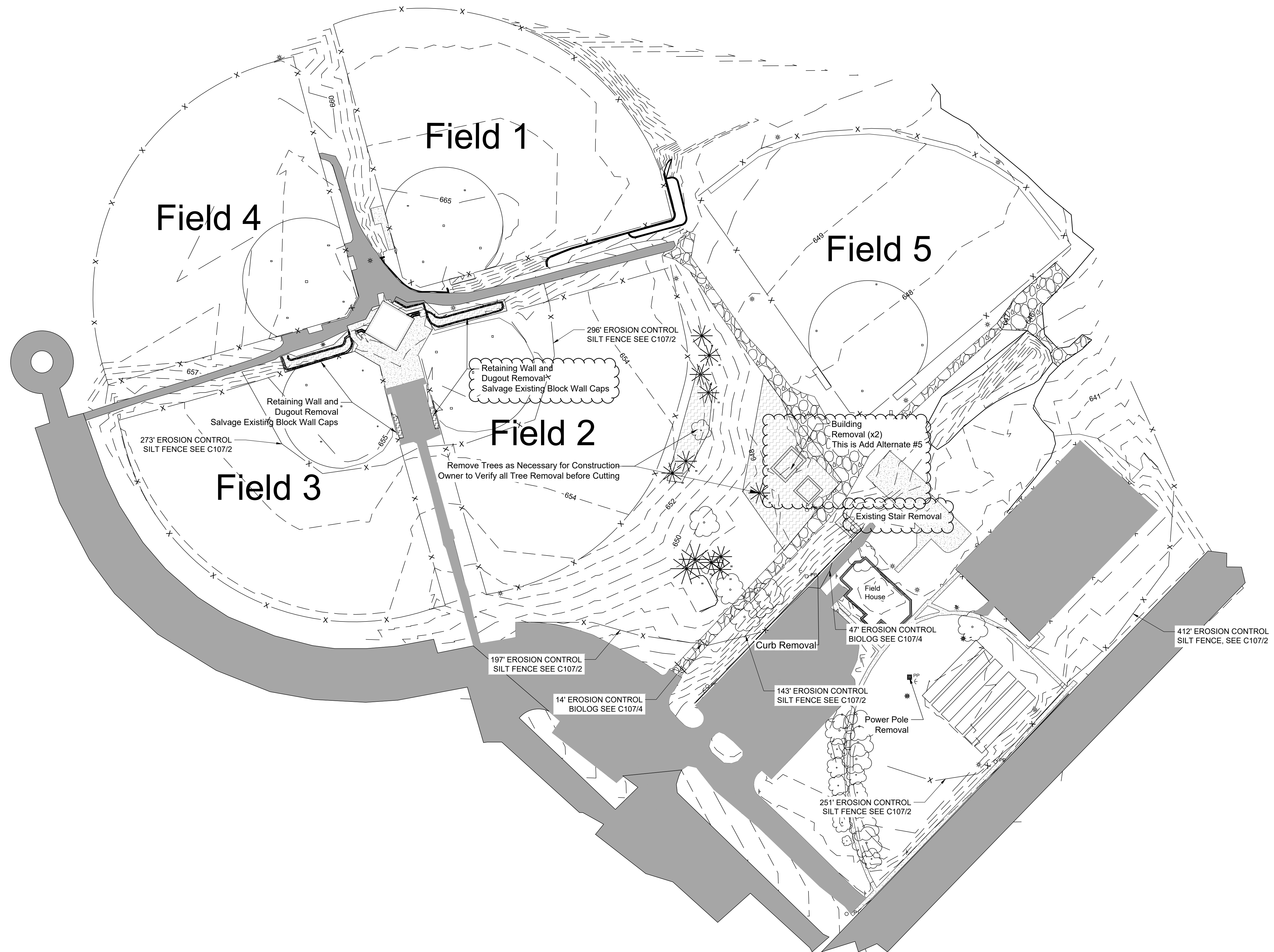
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Wheeler Removal

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NO.	DATE	ISSUE RECORD

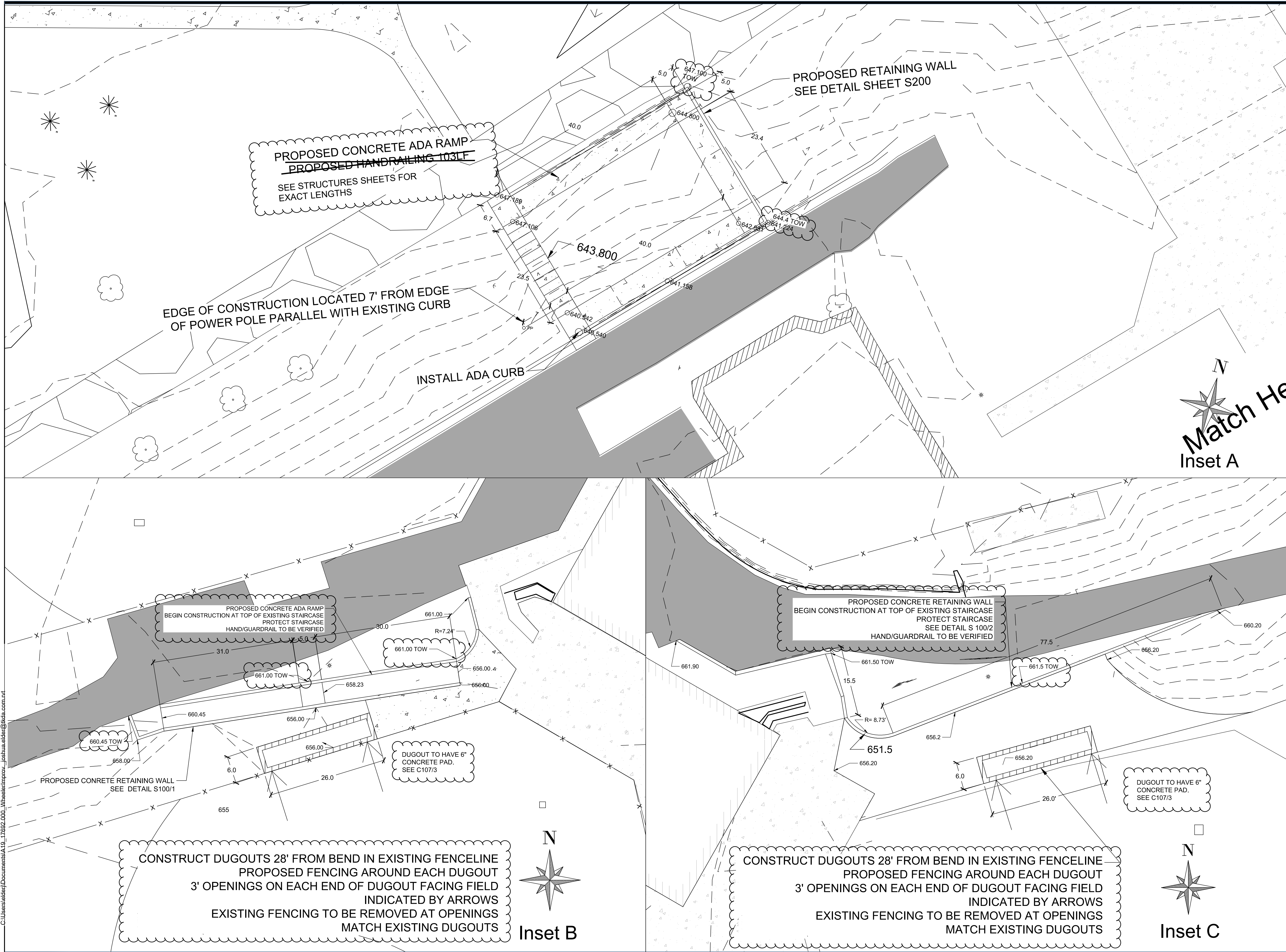
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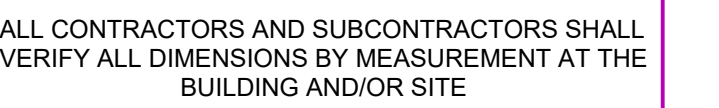
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Inset Areas A,B, & C


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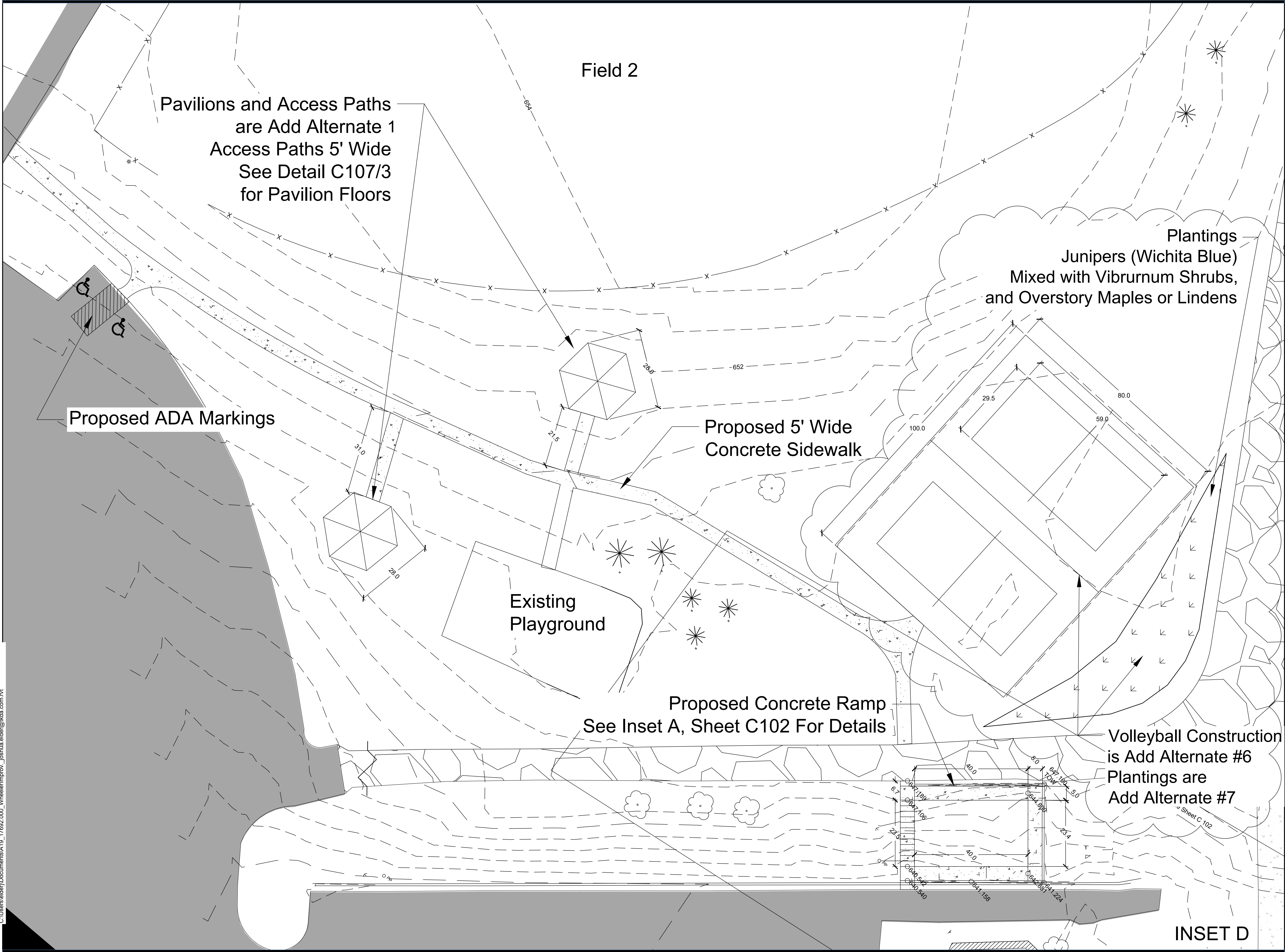


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NO.	DATE	ISSUE RECORD

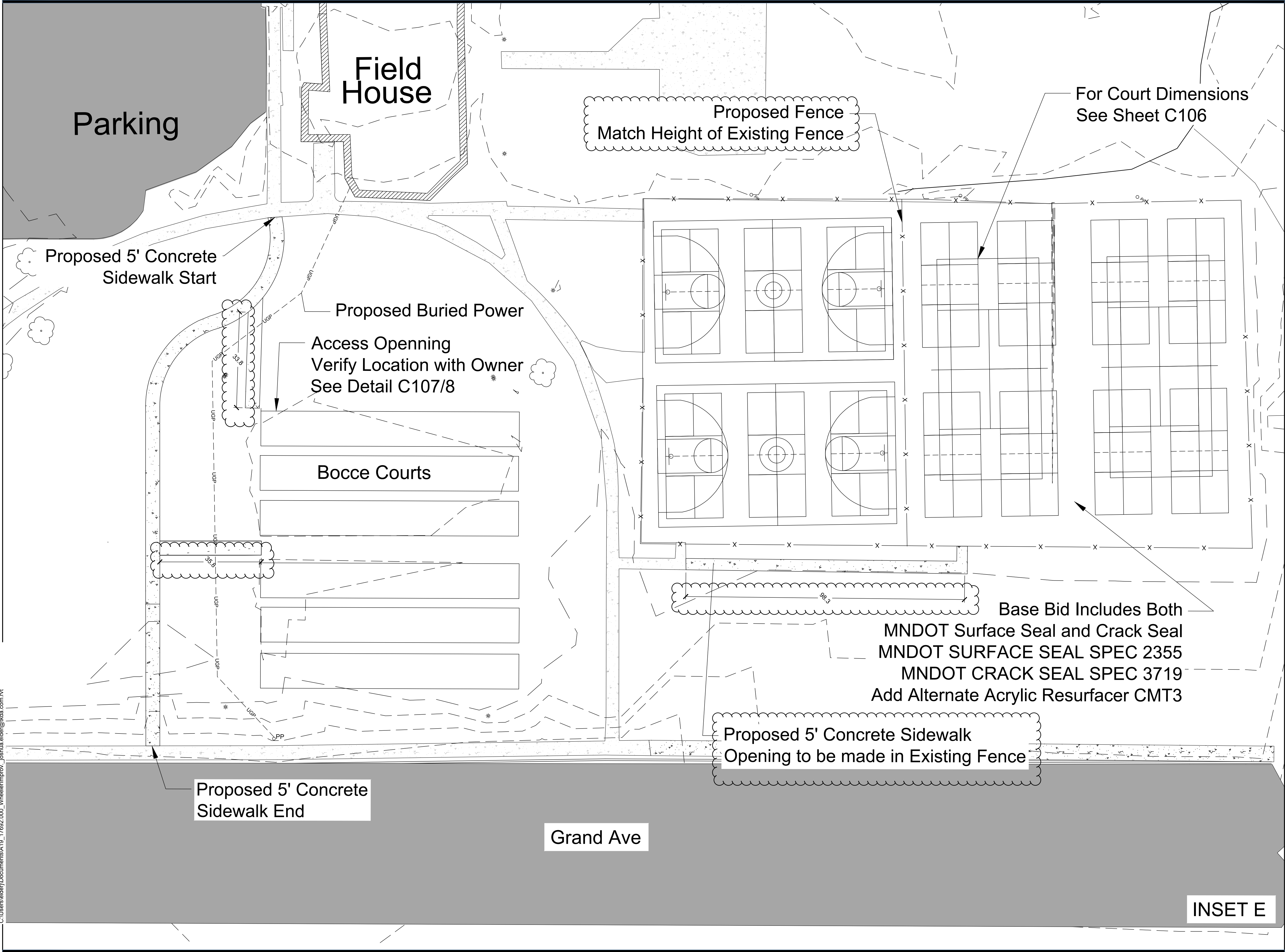
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CITY OF DULUTH
WHEELER ATHLETIC
COMPLEX

West Duluth
Sports Corridor
Wheeler Complex
Site Improvements

ALL CONTRACTORS AND SUBCONTRACTORS SHALL
VERIFY ALL DIMENSIONS BY MEASUREMENT AT THE
BUILDING AND/OR SITE

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INCH ON THIS DRAWING ADJUST SCALES ACCORDINGLY.

NO.	DATE	ISSUE RECORD
C	04.23.2020	ADDENDUM #1
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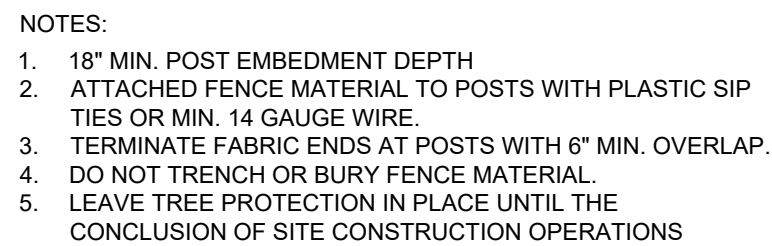
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JL	EN	JL

Inset Area E

INSET E


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SIGNATURE: 
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 LICENSE NO: 52222 DATE: 4/6/2020

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218.724.8578
tkda.com

DESIGNED	DRAWN	CHECKED
JL	EN	JL

Civil Details

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