AGENDA
CITY COMMISSION
MARCH 3, 2026
ED "BOSH" FROEHLICH MEETING ROOM
MANDAN CITY HALL
5:30 PM
WWW.CITYOFMANDAN.COM

The public may access the LIVE meeting at:	
Watch & Listen	***Listen***
Government Access (Midcontinent) cable channels 2 & 602 HD Streaming LIVE at: tinyURL.com/FreeTV-602 and on Roku or Apple TV	*Radio Access 102.5 FM RadioAccess.org*
Dial: *+1 312 626 6799*	***Web:*** *https://us02web.zoom.us/j/81165869441*

A. ROLL CALL

1. Roll call of all City Commissioners

B. THE PLEDGE OF ALLEGIANCE

C. ANNOUNCEMENTS

1. Recognition of Cappuccino on Collins for 2025-2026 Winter Business Awards
2. Volunteer Recognition - Laurie Leingang, Community Beautification Committee (12 years)
3. Morton Mandan Public Library Passport Services Update
4. *Assessment Notice*

D. PUBLIC COMMENT

E. APPROVAL OF AGENDA

F. MINUTES

1. Consider approval of the February 17, 2026 Board of City Commission Meeting Minutes
2. Consider approval of the February 27, 2026 Board of City Commission Special

Meeting Minutes

G. PUBLIC HEARING

1. Consider Floodplain District Ordinance #1484

H. BIDS

I. CONSENT AGENDA

1. Consider approval of a raffle permit for Church of St. Joseph
2. Consider approval of the Part-Time Real Property Appraiser (Assessing) job description
3. Consider an Agreement for Cost-Share Reimbursement for 2026 Reconstruct Project Area 2B
4. Consider approval of a Gaming Site Authorization for New Salem Civic Club from July 1, 2026 to June 30, 2027

J. OLD BUSINESS

K. NEW BUSINESS

1. Consider approving plans and specifications and authorizing the advertisement for bids for Project 3A - Near Red Trail elementary, Street Improvement District 241

L. RESOLUTIONS AND ORDINANCES

1. Consider the first consideration of Ordinance #1484 Floodplain Ordinance 105-4-4 of the Mandan Code of Ordinances
2. Consider the resolutions necessary to create Street Improvement District 243 (Mandan Proper Phase I)

M. OTHER BUSINESS

N. FUTURE MEETING DATES FOR BOARD OF CITY COMMISSIONERS

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  - Tuesday, March 17, 2026 at 5:30 p.m.
  - Tuesday, April 7, 2026 at 5:30 p.m. (Board of Equalization at 7 p.m.)
  - Tuesday, April 21, 2026 at 5:30 p.m.

O. ADJOURN

City Commission

Agenda Documentation

MEETING DATE: March 3, 2026
PREPARATION DATE: February 18, 2026
SUBMITTING DEPARTMENT: Business Development & Communications
DEPARTMENT DIRECTOR: Madison Cermak
PRESENTER: Kari Schmidt, Communications Specialist
SUBJECT: 2025-2026 Winter Business Awards Recognition

STATEMENT/PURPOSE:
2025-2026 Winter Business Awards Recognition

BACKGROUND/ALTERNATIVES:
The City of Mandan will recognize Cappuccino on Collins as the winner of the 2025-2026 Golden Shovel & Winter Decorating awards.

Earlier this winter, two Mandan businesses were nominated for the Winter Decorating award. This award goes to a business decorating their building exteriors and interior spaces visible from the outside. Decorating was to be lit or unlit, festive, fun or elegant. A public voting period took place in January. Cappuccino on Collins won by 3 votes over neighbor Key Note Aromas.

Cappuccino on Collins also won the Golden Shovel for keeping walkways free of snow and ice this winter. Six Mandan businesses were nominated by the public, followed by public voting Feb. 2-13. Cappuccino on Collins won with 30.68% of the votes. Vicky's Sports Bar was a close second.

We have two traveling awards to present to Cappuccino on Collins for sweeping the 2025-2026 Winter Business Awards competition! Congratulations!

Thank you to the businesses and public for participating in these fun contests.

ATTACHMENTS:

None

FISCAL IMPACT:
n/a

STAFF IMPACT:
Minimal.

LEGAL REVIEW:
n/a

RECOMMENDATION:
n/a

SUGGESTED MOTION:
n/a - presentation only

City Commission

Agenda Documentation

MEETING DATE: March 3, 2026
PREPARATION DATE: February 19, 2026
SUBMITTING DEPARTMENT: Administration
DEPARTMENT DIRECTOR: Jim Neubauer
PRESENTER: Kari Schmidt, Communications Specialist
SUBJECT: Volunteer Recognition

STATEMENT/PURPOSE:
Recognize Laurie Leingang for 12 years on the Community Beautification Committee.

BACKGROUND/ALTERNATIVES:
Laurie Leingang has served on the Community Beautification Committee since it was reactivated in 2013, serving 4 consecutive 3-year terms. Laurie recently decided to not seek another term, and while we are sad to see her go, we are so thankful for her service to the City of Mandan on this committee. Laurie is a volunteer who not only suggests ideas, but is one of the first to volunteer to help. She spent many years assisting with door prizes and helping staff get ready for the Community Clean-Up Day (now month). She has also sat on several other boards/committee throughout the years. We wanted to take a moment to recognize Laurie for her service to Mandan and provide her with a certificate of recognition. Thank you Laurie!

ATTACHMENTS:
None

FISCAL IMPACT:
n/a

STAFF IMPACT:
n/a

LEGAL REVIEW:
n/a

RECOMMENDATION:

n/a

SUGGESTED MOTION:
n/a - presentation only.

The Mandan City Commission met in regular session at 5:00 PM on February 17, 2026 in the Ed "Bosh" Froehlich Meeting Room at City Hall, Mandan, North Dakota. Mayor Froelich called the meeting to order.

A. ROLL CALL

1. *Roll call of all City Commissioners*. Those present were Dennis Rohr, Mike Braun, James Froelich, Craig Sjoberg, Ryan Heinsohn. Department heads present were City Administrator Neubauer, Finance Director Welch, Assistant Finance Director Schulz, Assessor Markley, Human Resource Director Berger, Assistant City Engineer McAdoo-Roesler, Police Chief Ziegler, Building Official Singer, Fire Chief Bitz, Public Works Director O'Keefe, Business Development & Communications Director Cermak, Communications Specialist Schmidt, CIS Manager Mischel, and Attorney Oster.

B. THE PLEDGE OF ALLEGIANCE

C. ANNOUNCEMENTS

1. *Project Updates*. Assistant City Engineer McAdoo-Roesler presented.

D. PUBLIC COMMENT There was one comment related to styrofoam from the old Mandan High School demolition received from Dan Helbling.

E. APPROVAL OF AGENDA Commissioner Rohr moved and Commissioner Heinsohn seconded to approve. Roll Call vote: Aye 5, Nay 0. The motion passed.

F. MINUTES

1. *Consider approval of the February 3, 2026 Board of City Commission Meeting Minutes*. Commissioner Sjoberg moved and Commissioner Heinsohn seconded to approve. Roll Call vote: Aye 5, Nay 0. The motion passed.

2. *Consider approval of the February 3, 2026 State of the Cities Quorum Minutes*. Commissioner Heinsohn moved and Commissioner Rohr seconded to approve. Roll Call vote: Aye 5, Nay 0. The motion passed.

3. *Consider approval of the February 10, 2026 North Dakota Department of Transportation's Memorial Highway Phase I Business Owner Update Meeting Minutes*. Commissioner Sjoberg moved and Commissioner Rohr seconded to approve. Roll Call vote: Aye 5, Nay 0. The motion passed.

G. PUBLIC HEARING

H. BIDS

I. CONSENT AGENDA Commissioner Braun moved and Commissioner Sjoberg seconded to approve items 1-7, including all sub-items. Roll Call vote: Aye 5, Nay 0. The motion passed.

1. *Consider Abatements*.

a. *City of Mandan Abatements*.

2. *Consider a minor plat for Midway 17th Addition*.

3. *Consider acceptance of the High Intensity Drug Trafficking Area (HIDTA) grant*.

4. *Consider acceptance of State Water Commission funding related to Mandan Proper preliminary engineering*.

5. *Consider approval to allocate Asset Forfeiture Funds to upgrade the Police Mountain Bike Program to E-Bikes*.

6. *Consider approval of Airport Maintenance Worker I Job Description*.

7. *Consider approval of Monthly Bills*.

J. OLD BUSINESS

1. *Consider approval of the Inmate Housing Agreement with Burleigh Morton Detention Center*. Police Chief Ziegler presented. Commissioner Rohr moved and Commissioner Sjoberg seconded to approve the updated Inmate Housing Agreement with Burleigh Morton Detention Center. Roll Call vote: Aye 5, Nay 0. The motion passed.

K. NEW BUSINESS

1. *Consider applications for BUILD Grants*.

a. *Mandan Proper*. Assistant City Engineer McAdoo-Roesler presented. Commissioner Heinsohn moved and Commissioner Braun seconded to authorize the Engineering Department to submit the grant application and allocate the funds, as presented, should the grant be awarded. Roll Call vote: Aye 5, Nay 0. The motion passed.

b. *Mckenzie Drive Extension*. Assistant City Engineer McAdoo-Roesler presented. Commissioner Braun moved and Commissioner Heinsohn seconded to authorize the Engineering Department to submit a BUILD grant application for a Heart River Bridge study. Roll Call vote: Aye 5, Nay 0. The motion passed.

L. RESOLUTIONS AND ORDINANCES

1. *Consider the Bond Resolution for $4,491,000 Water Revenue Bond, Series 2026 (Lead Service Line Replacement Project)*. City Finance Director Welch presented. Commissioner Rohr moved and Commissioner Heinsohn seconded to approve the Bond Resolution for $4,491,000 Water Revenue Bond, Series 2026 (Lead Service Line Replacement Project). Roll Call vote: Aye 5, Nay 0. The motion passed.

M. OTHER BUSINESS

N. FUTURE MEETING DATES FOR BOARD OF CITY COMMISSIONERS

- *Tuesday, March 3, 2026 at 5:30 p.m.*
- *Tuesday, March 17, 2026 at 5:30 p.m.*
- *Tuesday, April 7, 2026 at 5:30 p.m. (Board of Equalization at 7 p.m.)*

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O. ADJOURN There being no other business to come before the Board, the meeting adjourned at 5:31 p.m.

James Neubauer City Administrator	James Froelich Board of City Commissioners

The Mandan City Commission met in special session at 9:00 AM on February 27, 2026 in the Dykshoorn Conference Room at City Hall, Mandan, North Dakota. Mayor Froelich called the meeting to order.

A. ROLL CALL

1. *Roll call of all City Commissioners*. Those present were Dennis Rohr, Mike Braun, James Froelich, Craig Sjoberg, Ryan Heinsohn. Department heads present were City Administrator Neubauer, City Engineer Wigness, Assistant City Engineer McAdoo-Roesler, Administrative Assistant Newman, and Bismarck Tribune Reporter Zach Weiand.

B. THE PLEDGE OF ALLEGIANCE

C. NEW BUSINESS

1. *Consider approving an amendment to State Water Comission funding for Memorial Highway*. City Engineer Wigness presented. Commissioner Braun moved and Commissioner Heinsohn seconded to amend the Cost-Share Reimbursement agreement with the State Water Commission for the Memorial Highway Project. Roll Call vote: Aye 5, Nay 0. The motion passed.

D. ADJOURN There being no other business to come before the Board, the meeting adjourned at 9:06 a.m.

James Neubauer
City Administrator

James Froelich
Board of City Commissioners

City Commission

Agenda Documentation

MEETING DATE: March 3, 2026
PREPARATION DATE: February 24, 2026
SUBMITTING DEPARTMENT: Building Inspections
DEPARTMENT DIRECTOR: Jordan Singer
PRESENTER: Jordan Singer, Building Official
SUBJECT: Consider the Floodplain Management Ordinance

STATEMENT/PURPOSE:
Consider the Floodplain Management Ordinance

BACKGROUND/ALTERNATIVES:
In 2025, the Legislature passed SB 2027. This changes regulatory information for local National Flood Insurance Program communities. The City of Mandan is currently a NFIP community and is required to update its current floodplain district ordinance. Attached is a draft of the updated Ordinance that is required by FEMA, and the State NFIP, in order to continue as a NFIP community. Part of this includes help if and when disaster strikes and we need assistance from the NFIP.

ATTACHMENTS:
1. Ordinance 1484 - Floodplain Ordinance

FISCAL IMPACT:
N/A

STAFF IMPACT:
Updates for the Floodplain Administrator, Jordan Singer.

LEGAL REVIEW:
Reviewed by Legal.

RECOMMENDATION:
I move to approve the first consideration of Ordinance #1484 as presented.

SUGGESTED MOTION:

I move to approve the first consideration of Ordinance #1484 as presented.

ORDINANCE NO. 1484

An Ordinance to Amend and Re-enact
Section 105-4-4 of the Mandan Code of Ordinances
Relating to Floodplain Management

Be it Ordained by the Board of City Commissioners as follows:

Section 105-4-4. – Floodplain Management.

SECTION 1.0
STATUTORY AUTHORIZATION, FINDINGS OF FACT, PURPOSE, AND OBJECTIVES

1.1 STATUTORY AUTHORIZATION

The Legislature of the State of North Dakota has in North Dakota Century Code, Chapters 40-05, 11-11, and 58-06, delegated responsibility to local governmental units to adopt regulations designed to promote the public health, safety, and general welfare of its citizenry.

Therefore, the Board of City Commissioners of the City of Mandan does ordain as follows:

1.2 FINDINGS OF FACT

(1) The flood hazard areas of the City of Mandan are subject to periodic inundation which can endanger life, result in loss of property, create health and safety hazards, disrupt commerce and governmental services, cause extraordinary public expenditures for flood protection and relief, and impair the tax base, all of which adversely affect the public health, safety, and general welfare.

(2) Flood losses caused by the cumulative effect of obstructions in the special flood hazard areas cause increases in flood heights and velocities. Inadequately floodproofed, elevated or otherwise unprotected structures also contribute to the flood loss.

1.3 STATEMENT OF PURPOSE

It is the purpose of this ordinance to promote the public health, safety, and general welfare, and to minimize public and private losses due to flood conditions in specific areas by provisions designed:

(1) To protect human life and health;

(2) To minimize expenditure of public money for costly flood control projects;

(3) To minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;

(4) To minimize prolonged business interruptions;

(5) To minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, streets, and bridges located in special flood hazard areas;

(6) To help maintain a stable tax base by providing for the second use and development of special flood hazard areas so as to minimize future flood blight areas;

(7) To ensure that potential buyers are notified that property is in a special flood hazard area;

(8) To ensure that those who occupy the special flood hazard areas assume responsibility for their actions.

1.4 METHODS OF REDUCING FLOOD LOSSES

In order to accomplish its purposes, this ordinance includes methods and provisions for:

(1) Restricting or prohibiting uses which are dangerous to health, safety, and property due to water or erosion hazards, or which result in damaging increases in erosion or in flood heights or velocities;

(2) Requiring that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction;

(3) Controlling the alteration of natural floodplains, stream channels, and natural protective barriers, which help accommodate or channel flood waters;

(4) Controlling filling, grading, dredging, and other development which may increase flood damage; and

(5) Preventing or regulating the construction of flood barriers which will unnaturally divert flood waters or which may increase flood hazards in other areas.

SECTION 2.0
DEFINITIONS

Unless specifically defined below, words or phrases used in this ordinance shall be interpreted so as to give them the meaning they have in common usage and to give this ordinance its most reasonable application.

"Appeal" means a request for a review of the Floodplain Administrator's interpretation of any provision of this ordinance or a request for a variance.

"Base flood or 100-year flood" means the flood having a one percent chance of being equaled or exceeded in any given year.

"Base Flood Elevation" (BFE) means the height of the base flood or 100-year flood usually in feet, measured in the same datum (either NAVD88 or NGVD29) as the FIRM.

"Basement" means any area of the building having its floor subgrade (below ground level) on all sides.

"Best Available Information" (BAI) means water elevation information from any source used to estimate or determine a base flood elevation (i.e. high water mark).

"Community" means any political subdivision that has the authority to zone, or any Indian tribe or authorized tribal organization, which has authority to adopt and enforce flood plain management regulations for the areas within its jurisdiction.

"Conveyance or hydraulic conveyance" means a geometric characteristic of a river or watercourse at a given point that determines the flow-carrying capacity at that point.

"Development" means any man-made change to improved or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, grading, paving, excavation, or drilling operations located within the special flood hazard area.

"Existing Manufactured Home Park or Subdivision" means a manufactured home park or subdivision for which the construction of facilities for servicing the lots on which the manufactured homes are to be affixed (including, at a minimum, the installation of utilities, the construction of streets, and either final site grading or the pouring of concrete pads) is completed before the effective date of the floodplain management regulations adopted by a community.

"Expansion to an Existing Manufactured Home Park or Subdivision" means the preparation of additional sites by the construction of facilities for servicing the lots on which the manufacturing homes are to be affixed (including the installation of utilities, the construction of streets, and either final site grading or the pouring of concrete pads).

"Flood Insurance Rate Map" (FIRM) means the official map issued by the Federal Emergency Management Agency where special flood hazard areas are designated as Zone A, AE, AO, AH, A1-A30 or A-99.

"Flood Insurance Study" (FIS) means the official report provided by the Federal Emergency Management Agency that includes flood profiles, the Flood Insurance Rate Map, and the water surface elevation of the base flood.

"Flood" or "flooding" means a general and temporary condition of partial or complete inundation of normally dry land areas from the overflow of inland or tidal waters and/or from the unusual and rapid accumulation or runoff of surface waters from any source.

"Floodproofing" (Dry) means protection provided a structure, together with attendant utilities and sanitary facilities, which is watertight two feet above the base flood elevation with walls that are substantially impermeable to the passage of water.

"Floodway or regulatory floodway" means the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than one foot.

"Highest adjacent grade" means the highest natural elevation of the ground surface prior to construction next to the proposed walls of a structure.

"Lowest floor" means the lowest floor of a structure including the basement.

"Manufactured home" means a structure, transportable in one or more sections, which is built on a permanent chassis and is designed for use with or without a permanent foundation when connected to the required utilities. The term "manufactured home" does not include a "recreational vehicle" but does include "mobile home."

"Manufactured Home Park or Subdivision" means a parcel (or contiguous parcels) of land divided into two or more manufactured home lots for rent or sale.

"New construction" means structures for which the "start of construction" commenced on or after the effective date of this ordinance.

"New Manufactured Home Park or Subdivision" means a manufactured home park or subdivision for which the construction of facilities for servicing the lots on which the manufactured homes are to be affixed (including at a minimum, the installation of utilities,

the construction of streets, and either final site grading or the pouring of concrete pads) is completed on or after the effective date of floodplain management regulations adopted by a community.

"Person" means any person, firm, partnership, association, corporation, limited liability company, agency, or any other private or governmental organization, which includes any agency of the United States, a state agency, or any political subdivision of the state.

"Reasonably safe from flooding" means base flood waters will not inundate the land or damage structures to be removed from the special flood hazard area, and that any subsurface waters related to the base flood will not damage existing or proposed buildings.

"Recreational vehicle" means a vehicle which is:

(a) built on a single chassis;
(b) 400 square feet or less when measured at the largest horizontal projection;
(c) designed to be self-propelled or permanently towable by a light duty truck;
(d) designed primarily not for use as a permanent dwelling but as temporary living quarters for recreational camping, travel, or seasonal use; including, but not limited to;
(e) travel trailers, trailers on wheels, park-model trailers, and other similar vehicles.

"Special Flood Hazard Area" (SFHA) means an area of land that would be inundated by a flood having a one percent chance of being equaled or exceeded in any given year.

"Start of construction" includes substantial improvement, and means the date the building permit was issued, provided the actual start of construction, repair, reconstruction, placement, or other improvement was within 180 days of the permit date. The actual start means the first placement of permanent construction of a structure on a site, such as the pouring of slab or footings, the installation of piles, the construction of columns, or any work beyond the stage of excavation or the placement of a manufactured home on a foundation. Permanent construction does not include land preparation, such as clearing, grading and filling; nor does it include the installation of streets and/or walkways; nor does it include excavation for a basement, footings, piers, or foundations or the erection of temporary forms; nor does it include the installation on the property of accessory buildings, such as garages or sheds not occupied as dwelling units or not part of the main structure.

"Structure" means a walled and roofed building, including manufactured homes and gas or liquid above-ground storage tanks.

"Substantial damage" means damage of any origin sustained by a structure whereby the cost of restoring the building to its pre-damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred.

"Substantial improvement" means any repair, reconstruction, or improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure either:

1) Before the improvement or repair is started; or

2) If the structure has been damaged and is being restored, before the damage occurred. For the purposes of this definition "substantial improvement" is considered to occur when the first alteration of any wall, ceiling, floor, or other structural part of the building commences, whether or not that alteration affects the external dimensions of the structure.

The term does not, however, include either:

1) Any project for improvement of a structure to comply with existing state or local health, sanitary, or safety code specifications which are solely necessary to assure safe living conditions; or

2) Any alteration of a structure listed on the National Register of Historic Places or a State Inventory of Historic Places.

"Watercourse" means only the channel and banks of an identifiable watercourse, and not the adjoining floodplain areas. The flood carrying capacity of a watercourse refers to the flood carrying capacity of the channel, except in the case of alluvial fans, where a channel is not typically defined. The definition of watercourse in N.D.C.C. § 61-01-06 is not applicable in this ordinance.

"Variance" means a grant of relief from the requirements of this ordinance which permits construction in a manner that would otherwise be prohibited by this ordinance.

"Violation" means the failure of a structure or other development to be fully compliant with the community's flood plain management regulations. A structure or other development without the elevation certificate, other certifications, or other evidence of compliance required by the community's floodplain management ordinance is presumed to be in violation until such time as that documentation is provided.

SECTION 3.0
GENERAL PROVISIONS

3.1 LANDS TO WHICH THIS ORDINANCE APPLIES

This ordinance shall apply to all special flood hazard areas within the jurisdiction of the City of Mandan.

3.2 BASIS FOR ESTABLISHING THE SPECIAL FLOOD HAZARD AREAS

The special flood hazard areas identified by the Federal Emergency Management Agency in a scientific and engineering report entitled "The Flood Insurance Study for the City of Mandan, dated April 19, 2005," with an accompanying Flood Insurance Rate Map is hereby adopted by reference and declared to be a part of this ordinance. The Flood Insurance Study is on file at 205 2nd Avenue Northwest, Mandan, North Dakota.

3.3 COMPLIANCE

No structure or land shall hereafter be constructed, located, extended, converted, or altered without full compliance with the terms of this ordinance and other applicable regulations.

3.4 GREATER RESTRICTIONS

This ordinance is not intended to repeal, remedy, or impair any existing easements, covenants, or deed restrictions. However, where this ordinance and another ordinance, easement, covenant, or deed restriction conflict or overlap, whichever imposes the more stringent restrictions shall prevail.

3.5 INTERPRETATION

In the interpretation and application of this ordinance, all provisions shall be:

(1) Considered as minimum requirements;

(2) Liberally construed in favor of the governing body; and

(3) Deemed neither to limit nor repeal any other powers granted under state statutes.

3.6 WARNING AND DISCLAIMER OF LIABILITY

The degree of flood protection required by this ordinance is considered reasonable for regulatory purposes and is based on scientific and engineering considerations. Larger floods can and will occur on rare occasions. Flood heights may be increased by manmade or natural causes. This ordinance does not imply that land outside the special flood hazard areas or uses permitted within such areas will be free from flooding or flood damages. This ordinance shall not create liability on the part of the City of Mandan, any officer or employee thereof, or the Federal Emergency Management Agency, for any flood damages that result from reliance on this ordinance or any administrative decision lawfully made thereunder.

3.7 SEVERABILITY

If any section, clause, provision, or portion of this ordinance is adjudged unconstitutional or invalid by a court of law, the remainder of this ordinance shall not be affected and shall remain in full force.

SECTION 4.0
ADMINISTRATION

4.1 ESTABLISHMENT OF DEVELOPMENT PERMIT

A development permit shall be obtained before construction or development begins within any special flood hazard area established in Section 3.2. Application for a development permit shall be made on forms furnished by the City of Mandan Floodplain Administrator and may include, but not be limited to: plans in duplicate drawn to scale showing the nature, location, dimensions, and elevations of the area in question; existing or proposed structures, fill storage materials, drainage facilities; and the location of the foregoing. Specifically, the following information is required:

(1) Elevation in the same datum (either NAVD88 or NGVD29) as the FIRM, of the lowest floor of all structures;

(2) Elevation in the same datum (either NAVD88 or NGVD29) as the FIRM to which any structure has been floodproofed;

(3) Certification by a registered professional engineer or architect that the floodproofing methods for any non-residential structure meet the floodproofing criteria in Section 5.2-2; and,

(4) Description of the extent to which any watercourse will be altered or relocated as a result of proposed development.

4.2 DESIGNATION OF THE FLOODPLAIN ADMINISTRATOR

The Floodplain Administrator for the City of Mandan is hereby appointed to administer and implement this ordinance by granting or denying development permit applications in accordance with its provisions.

4.3 DUTIES AND RESPONSIBILITIES OF THE FLOODPLAIN ADMINISTRATOR

Duties of the Floodplain Administrator shall include, but not be limited to:

4.3-1 Permit Review

(1) Review all development permits to determine that the permit requirements of this ordinance have been satisfied.

(2) Approve or deny all applications for development permits required by adoption of this ordinance.

(3) Review all development permits to determine that all necessary permits have been obtained from those federal, state, or local governmental agencies from which prior approval is required.

(4) Review all development permits to determine if the proposed development is located in the floodway. If located in the floodway, assure that the encroachment provisions of Section 5.4 are met.

4.3-2 Use of Other Base Flood Data

When base flood elevation data has not been provided in accordance with Section 3.2, BASIS FOR ESTABLISHING THE SPECIAL FLOOD HAZARD AREAS, the Floodplain Administrator shall obtain, review, and reasonably utilize any base flood elevation data and floodway data available (known as best available information) from any other federal, state, or other source, as criteria for requiring that new construction, substantial improvements, or other development in the floodplain are administered in accordance with Section 5.2, SPECIFIC STANDARDS.

4.3-3 Information to be Obtained and Maintained

(1) Obtain and record the actual elevation (in the same datum (either NAVD88 or NGVD29) as the FIRM), of the lowest floor (including basement) of all new or substantially improved structures, and whether or not the structure contains a basement.

(2) For all new or substantially improved floodproofed structures:

(i) obtain and record the actual elevation (in the same datum (either NAVD88 or NGVD29) as the FIRM), to which the structure has been floodproofed;

(ii) maintain the floodproofing certifications required in Section 4.1(3).

(3) Maintain for public inspection all records pertaining to the provisions of this ordinance.

4.3-4 Alteration of Watercourses

The responsible person shall:

(1) Notify nearby communities, water resource districts, and the North Dakota Department of Water Resources, as necessary, prior to any alteration or relocation of a watercourse, and submit evidence of such notification to the Federal Emergency Management Agency.

(2) Require that maintenance is provided within the altered or relocated portion of said watercourse so that the flood carrying capacity is not diminished; and,

(3) Notify the appropriate water resource district prior to removal or placement of fill within two hundred feet of the bank of a body of water during normal flow or stage.

4.3-5 Interpretation of Flood Insurance Rate Map (FIRM) Boundaries

Make interpretation where needed as to the exact location of the boundaries of the special flood hazard areas (for example, where there appears to be a conflict between a mapped boundary and actual field conditions). The person contesting the location of the boundary shall be given a reasonable opportunity to appeal the interpretation as provided in Section 4.4.

4.3-6 Encroachment Analysis

When a regulatory floodway has not been designated, the Floodplain Administrator must require that no new construction, substantial improvements, or other development (including fill) shall be permitted within Zones A1-30 and AE on the community's FIRM, unless it is demonstrated that the cumulative effect of the proposed development, when combined with all other existing and anticipated development, will not increase the water surface elevation of the base flood more than one foot at any point within the community.

Under the provisions of 44 CFR Chapter 1, Section 65.12, of the National Flood Insurance Program regulations, a community may approve certain development in Zones A1-30, AE, AH, on the community's FIRM which increases the water surface elevation of the base flood by more than one foot, provided that the community first applies for and receives a Conditional Letter of Map Revision (CLOMR) through FEMA.

4.4 VARIANCE PROCEDURE

4.4-1 Appeal Board

(1) The Board of Appeals as established by the City of Mandan shall hear and decide appeals and requests for variances from the requirements of this ordinance.

(2) The Board of Appeals shall hear and decide appeals when it is alleged there is an error in any requirement, decision, or determination made by the Floodplain Administrator in the enforcement or administration of this ordinance.

(3) Those aggrieved by the decision of the Board of Appeals, or any taxpayer, may appeal such decision to the District Court, as provided in N.D.C.C. §§ 40-47-11, 11-33-12, or 58-03-14.

(4) In passing upon such applications, the Board of Appeals shall consider all technical evaluations, all relevant factors, standards specified in other sections of this ordinance; and:

(i) the danger that materials may be swept onto other lands to the injury of others;

(ii) the danger to life and property due to flooding or erosion damage;

(iii) the susceptibility of the proposed facility and its contents to flood damage and the effect of such damage on the individual owner;

(iv) the importance of the services provided by the proposed facility to the community;

(v) the necessity to the facility of a waterfront location, where applicable;

(vi) the availability of alternative locations, for the proposed use which are not subject to flooding or erosion damage;

(vii) the compatibility of the proposed use with existing and anticipated development;

(viii) the relationship of the proposed use to the comprehensive plan and floodplain management program for that area;

(ix) the safety of access to the property in times of flood for ordinary and emergency vehicles;

(x) the expected heights, velocity, duration, rate of rise, and sediment transport of the floodwaters and the effects of wave action, if applicable, expected at the site; and

(xi) the costs of providing governmental services during and after flood conditions, including maintenance and repair of public utilities and facilities such as sewer, gas, electrical, and water systems, and streets and bridges.

(5) Generally, variances may be issued for new construction and substantial improvements to be erected on a lot of one-half acre to less in size contiguous to and surrounded by lots with existing structures constructed below the base flood level, providing items (i-xi) in Section 4.4-1(4) have been fully considered. As the lot size increases beyond the one-half acre, the technical justification required for issuing the variance increases.

(6) Upon consideration of the factors of Section 4.4-1(4) and the purposes of this ordinance, the Board of Appeals may attach such conditions to the granting of variances as it deems necessary to further the purposes of this ordinance.

(7) The Floodplain Administrator shall maintain the records of all appeal actions and to report any variances to the Federal Emergency Management Agency upon request.

4.4-2 Conditions for Variances

(1) Variances may be issued for the reconstruction, rehabilitation, or restoration of structures listed on the National Register of Historic Places or the State Inventory of Historic Places, without regard to the procedures set forth in the remainder of this section.

(2) Variances shall not be issued within the identified floodplain if any increase in flood levels during the base flood discharge would result.

(3) Variances shall only be issued upon a determination that the variance is the minimum necessary, considering the flood hazard, to afford relief.

(4) Variances shall only be issued upon:

(i) a showing of good and sufficient cause;

(ii) a determination that failure to grant the variance would result in exceptional hardship to the applicant; and,

(iii) a determination that the granting of a variance will not result in increased flood heights, additional threats to public safety, cause fraud on or victimization of the public as identified in Section 4.4-1(4), or conflict with existing local laws or ordinances.

(5) Any applicant to whom a variance is granted shall be given written notice that the structure will be permitted to be built with a lowest floor elevation below the base flood elevation and that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced lowest floor elevation.

SECTION 5.0
PROVISIONS FOR FLOOD HAZARD REDUCTION

5.1 GENERAL STANDARDS

In all special flood hazard areas, the following standards are required:

5.1-1 Anchoring

(1) All new construction and substantial improvements, including additions, shall be anchored to prevent flotation, collapse, or lateral movement of the structure.

(2) All manufactured homes must be elevated and anchored to resist flotation, collapse, or lateral movement. Methods of anchoring may include, but are not limited to, use of over-the-top or frame ties to ground anchors. This requirement is in addition to applicable State and local anchoring requirements for resisting wind forces.

5.1-2 Construction Materials and Methods

(1) All new construction and substantial improvements shall be constructed with materials and utility equipment resistant to flood damage.

(2) All new and substantial improvements shall be constructed using methods and practices that minimize flood damage.

(3) All new construction and substantial improvements shall be constructed with electrical, heating, ventilation, plumbing and air conditioning equipment, and other service facilities that are designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding.

5.1-3 Utilities

(1) All new and replacement water supply systems shall be designed to minimize or eliminate infiltration of flood waters into the system;

(2) New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of flood waters into the systems and discharge from the systems into flood waters; and,

(3) On-site waste disposal systems shall be located to avoid impairment to them or contamination from them during flooding.

5.1-4 Subdivision Proposals

(1) All subdivision proposals shall be consistent with the need to minimize flood damage;

(2) All subdivision proposals shall have public utilities and facilities such as sewer, gas, electrical, and water systems located and constructed to minimize flood damage;

(3) All subdivision proposals shall have adequate drainage provided to reduce exposure to flood damage; and,

(4) Base flood elevation data shall be provided for subdivision proposals and other proposed development which contain at least 50 lots or 5 acres (whichever is less).

5.2 SPECIFIC STANDARDS

In all special flood hazard areas where base flood elevation data have been provided as set forth in Section 3.2 BASIS FOR ESTABLISHING THE SPECIAL FLOOD HAZARD AREAS or Section 4.3-2, Use of Other Base Flood Data, the following provisions are required:

5.2-1 Residential Construction

(1) New construction and substantial improvement of any residential structure shall have the lowest floor, including basement, elevated to at least one foot above the base flood elevation.

5.2-2 Nonresidential Construction

Construction and substantial improvement of any nonresidential structure shall either have the lowest floor, including basement, elevated to at least one foot above the base flood elevation <u>or</u>, together with attendant utility and sanitary facilities shall:

(1) Be floodproofed to at least two feet above the base flood elevation, so that below this elevation the structure is watertight with walls substantially impermeable to the passage of water.

(2) Have structural components capable of resisting hydrostatic and hydrodynamic loads and effects of buoyancy.

(3) Be certified by a registered professional engineer or architect that the standards of this subsection are satisfied. Such certification shall be provided to the official as set forth in Section 4.3-3(2).

5.2-3 Manufactured Homes

(1) Require all manufactured homes placed within Zone A shall be installed using methods and practices which minimize flood damage. For the purposes of this requirement, manufactured homes must be elevated and anchored to resist floatation, collapse, or lateral movement. Methods of anchoring may include, but are not limited to, use of over-the-top or frame ties to ground anchors. This requirement is in addition to applicable State and local anchoring requirements for resisting wind forces.

(2) Require all manufactured homes placed or substantially improved within Zones A 1-30, AH, or AE on sites (i) outside of a manufactured home park or subdivision, (ii) in a new manufactured home park or subdivision, (iii) in an expansion to an existing manufactured home park or subdivision, or (iv) in an existing manufactured home park or subdivision which has incurred substantial damage, be elevated on a permanent foundation so the lowest floor of the manufactured home is elevated one foot above the base flood elevation and be securely anchored to an adequately anchored foundation system to resist floatation, collapse, and lateral movement.

(3) Require that manufacture homes placed or substantially improved on sites in an existing manufacture home park or subdivision within Zones A 1-30, AH, or AE not subject to other requirements of this section be elevated so that either:

(i) the lowest floor of the manufacture home is one foot above the base flood elevation, or

(ii) the manufacture home chassis is supported by reinforced piers or other foundation elements of at least equivalent strength that are no less than 36" in height above grade and be securely anchored to an adequately anchored foundation system to resist floatation, collapse, and lateral movement.

5.2-4 Recreational Vehicles

In A1-30, AH, and AE Zones, all recreational vehicles to be placed on a site must:

(i) be elevated and anchored to meet the requirements in 5.2-3; OR
(ii) be on the site for less than 180 consecutive days; AND
(iii) be fully licensed and highway ready

5.3 RESERVED

5.4 FLOODWAYS

Located within the special flood hazard areas established in Section 3.2 are areas designated as floodways. Since the floodway is an extremely hazardous area due to the velocity of flood waters which carry debris, potential projectiles, and erosion potential, the following provisions apply:

(1) Prohibit encroachments, including fill, new construction, substantial improvements, and other development unless certification by a registered professional engineer or architect is provided demonstrating that encroachments shall not result in any increase in flood levels during the occurrence of the base flood discharge. Any increase, as is used in this section, means any modeled impact greater than 0.00 feet.

(2) If Section 5.4 (1) is satisfied, all new construction and substantial improvements shall comply with all applicable flood hazard reduction requirements of this ordinance.

(3) Under the provisions of 44 CFR Section 65.12 of the NFIP Regulations, a community may permit encroachments within the adopted regulatory floodway that would result in an increase in BFEs, provided that the community first applies for and receives a Conditional Letter of Map Revision (CLOMR) through FEMA.

5.5 ENCLOSURES

New construction and substantial improvements, with fully enclosed areas below the lowest floor that are usable solely for parking of vehicles, building access or storage in an area other than a basement and which are subject to flooding shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters. Designs for meeting this requirement must either be certified by a registered professional engineer or architect or meet or exceed the following minimum criteria:

(1) A minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided.

(2) The bottom of all openings shall be no higher than one foot above grade.

(3) Openings may be equipped with screens, louvers, valves, or other coverings or devices provided they allow the automatic entry and exit of floodwaters.

SECTION 6.0
VIOLATIONS

6.1 PENALTIES FOR VIOLATIONS

(1) Violation of the provisions of this ordinance or failure to comply with any of its requirements, including violations on conditions and safeguards established in connection with grants or variances or conditional uses, shall constitute a misdemeanor. Any person who violates this ordinance or fails to comply with any of its requirements shall upon conviction thereof be punished by a fine not exceeding $500 or by imprisonment not to exceed 30 days or by both such fine and imprisonment for each such offense, and in addition shall pay costs and expenses involved in the case. Each day such violation continues shall be considered a separate offense.

(2) Nothing herein contained shall prevent the Mandan City Commission from taking such other lawful action as is necessary to prevent or remedy any violation.

By:_____
James Froelich, President, Board of
City Commissioners

Attest:

_____
James Neubauer, City Administrator

First Consideration: March 3, 2026
Second Consideration and Final Passage: March 17, 2026
Publication: _____

City Commission

Agenda Documentation

MEETING DATE:	March 3, 2026
PREPARATION DATE:	February 13, 2026
SUBMITTING DEPARTMENT:	Police Department
DEPARTMENT DIRECTOR:	Jason Ziegler
PRESENTER:	Jason Ziegler, Police Chief
SUBJECT:	Consider approval of a raffle permit for Church of St. Joseph

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STATEMENT/PURPOSE:
Consider approval of a raffle permit for Church of St. Joseph

BACKGROUND/ALTERNATIVES:
The Church of St. Joseph is holding a raffle on 4/24/26, to raise money for a new boiler for the church. See attached permit.

ATTACHMENTS:
1. 2026-19

FISCAL IMPACT:
N/A

STAFF IMPACT:
N/A

LEGAL REVIEW:
N/A

RECOMMENDATION:
I recommend approval of the raffle permit for Church of St. Joseph.

SUGGESTED MOTION:
I move to approve the raffle permit for Church of St. Joseph.

LOCAL PERMIT OR RESTRICTED EVENT PERMIT

NORTH DAKOTA OFFICE OF ATTORNEY GENERAL
GAMING DIVISION
SFN 17926 (8-2025)

Permit Number
2026-19

Permit Type *(check one)*

[X] Local Permit [ ] Restricted Event Permit*

Games Authorized [ ] Raffle by a Political or Legislative District Party

[ ] Bingo [X] Raffle [ ] Raffle Board [ ] Calendar Raffle [ ] Sports Pool [ ] Poker* [ ] Twenty-One* [ ] Paddlewheels*

**See Instruction 2 (f) on Page 2. Poker, Twenty-One, and Paddlewheels may be conducted Only with a Restricted Event Permit. Only one permit per year.*

LOCAL PERMIT RAFFLES MAY NOT BE CONDUCTED ONLINE AND CREDIT CARDS MAY NOT BE USED FOR WAGERS

ORGANIZATION INFO

Name of Organization or Group		Dates Authorized *(Read Instruction 2)*	
Church of St. Joseph		**4/24/2026**	
Organization or Group Contact Person	E-mail	Telephone Number	
Laurie Friesz	**lfriesz@stjosephmandan.com**	**701-401-0125**	
Mailing Address	City	State	ZIP Code
108 3rd St NE	**Mandan**	**ND**	**58554**

SITE INFO

Site Name		County	
St Joseph School		**Morton**	
Site Address	City	State	ZIP Code
410 Collins Ave	**Mandan**	**ND**	**58554**

If the city or county is placing restrictions on the permit, please explain

N/A

Provide the exact date(s) & frequency of each event & type (Ex. Bingo every Friday 10/1-12/31, Raffle - 10/30, 11/30, 12/31, etc.)

50/50 Raffle to be held at St Joseph School on 4/24/26.

Permits must be issued prior to the 1st event date.

Local governing bodies please see the instructions on the backside of this form on how to complete the permit. Be certain to provide the organization or group with the "Information Required to be Preprinted on a Standard Raffle Ticket" found on the backside of this forms if a raffle is being conducted. If a "Restricted Event Permit" is being issued, either provide organization or group with SFN 52880 "Report on a Restricted Event Permit" or make them aware that the report must be filed with the city or county **and** the Office of Attorney General within 30 days after the event. Before approving a site location, ensure compliance with the gaming law below

Before approving a local permit or restricted event permit the local governing body should review North Dakota Century Code 53-06.1-03(3)(a) which states:

3. A licensed organization or organization that has a permit shall conduct games as follows:
   a. Only one licensed organization or organization that has a permit may conduct games at an authorized site on a day, except that a raffle may be conducted for a special occasion by another licensed organization or organization that has a permit when one of these conditions is met:
      (1) When the area for the raffle is physically separated from the area where games are conducted by the regular organization.
      (2) Upon request of the regular organization and with the approval of the alcoholic beverage establishment, the regular organization's license or permit is suspended for that specific time of day by the Attorney General.

Local governing bodies should also review North Dakota Administrative Code 99-01.3-01-05 (Permits) for the administrative rules governing permits. These rules may be viewed on the North Dakota Attorney General's website at https://attorneygeneral.nd.gov/licensing-and-gaming/gaming/gaming-laws-rules-and-publications

CITY OR COUNTY CONTACT PERSON

Printed Name of City or County Official	Title of City or County Official	Telephone Number	E-mail Address
Tasha Scott	Administrative Assistant	701-667-3250	tasha.scott@mandanpd.com
Signature of City or County Official		Date	Issuing Governing Body
		2/13/2026	[X] City [ ] County

City or County must submit a copy of the permit above to the Office of Attorney General within 14 days of issuance.

Information required to be preprinted on a standard raffle ticket:

1. Name of Organization;
2. Ticket Number;
3. Price of the ticket, including any discounted price;
4. Prize, description of an optional prize selectable by a winning player or option to convert a **merchandise** prize to a cash prize that is limited to the lesser of the value of the merchandise prize or fifteen thousand dollars. However, if there is insufficient space on a ticket to list each minor prize that has a retail price not exceeding twenty-five dollars, an organization may state the total number of minor prizes and their total retail price;
5. Print the authorizing city or county and permit number
6. A statement that a person is or is not required to be present at a drawing to win;
7. Date and time of the drawing or drawings and, if the winning player is to be announced later, date and time of that announcement. For a calendar raffle, if the drawings are on the same day of the week or month, print the day and time of the drawing;
8. Location and street address of the drawing;
9. If a merchandise prize requires a title transfer involving the Department of Transportation, a statement that a winning player is or is not liable for sales or use tax;
10. If a purchase of ticket or winning prize is restricted to a person of a minimum age, a statement that a person must be at least "-" years of age to buy a ticket or win a prize;
11. A statement that a purchase of the ticket is not a charitable donation;
12. If a secondary prize is an non-guaranteed cash or merchandise prize, a statement that the prize is not guaranteed to be won and odds of winning the prize based on numbers of chances; and
13. If a prize is live beef or dairy cattle, horse, bison, sheep, or pig, a statement that the winning player may convert the prize to a cash prize that is limited to the lesser of the market value of the animal or fifteen thousand dollars.

North Dakota Administrative Code 99-01.3-05-02(4) states that an employee may not sell a ticket on a site where another organization is licensed or has a permit unless the employee is granted permission by the lessor and other organization.

North Dakota Administrative Code 99-01.3-05-01 through 99-01.3-05-05 (Raffles) in its entirety can be reviewed on the North Dakota Attorney General's website at https://attorneygeneral.nd.gov/licensing-and-gaming/gaming/gaming-laws-rules-and-publications

INSTRUCTIONS:

After a city or county governing board has authorized an organization to receive a local permit or restricted event permit, the city or county must complete the form.

1. Enter the city or county assigned "Permit Number".
2. Enter the beginning and ending date(s) for which the permit is authorized. N**ote: Unexact blanket dates will not be accepted**
   a. A permit must be on a fiscal year basis from July first to June thirtieth or on a calendar year basis.
   b. A local permit can be issued for one or more events per fiscal year.
   c. The "Dates Authorized" must only be the actual dates of the event(s) and does not include the dates the organization is selling tickets.
   d. For a "one time" event permit, the beginning and ending date for "Dates Authorized" is the date of the event date.
   e. If a local permit is issued for more than one event, enter the date of the first event as the beginning date and the date of the last event as the ending date.
   f. A permit may not be issued more than twelve months prior to the first raffle drawing date.
   g. A restricted event permit may be issued for only one event per year. if the organization has received a local permit during a fiscal year, it may not receive a restricted event permit. If the organization received a restricted event permit during the fiscal year, it may not receive a local permit.
3. Permits must provide the specific dates of event(s), site name, and site physical address. If there are multiple event dates that do not fit on the permit, a separate sheet must be submitted with the permit that provides a list of all event dates.
4. Enter any restriction place on the organization or group, such as days of the week or designation of an area at a site where games may be conducted.
5. When a restricted event permit is issued, provide a "Report on a Restricted Event Permit (SFN 52880)" form to the organization or be sure they know the form is available at https://attorneygeneral.nd.gov/licensing-and-gaming/licensing/charitable-gaming by scrolling to the bottom of the page.
6. Give the organization or group the completed permit form, keep a copy for your records, and send a copy within 14 days of issuance of the permit. However, all permits must be sent to the Gaming Division, no later than 7 days prior to the first event date by email to agogaming@nd.gov or fax to (701) 328-3535.

If you have questions on the local permit or restricted event permit process, please call: 1-800-326-9240.

Office of Attorney General
Gaming Division
600 E Blvd Ave, Dept. 125
Bismarck, ND 58505-0040

APPLICATION FOR A LOCAL PERMIT OR RESTRICTED EVENT PERMIT

NORTH DAKOTA OFFICE OF ATTORNEY GENERAL
GAMING DIVISION
SFN 9338 (8-2025)

Applying for *(check one)*

☒ Local Permit ☐ Restricted Event Permit*

Games to be conducted ☐ Raffle by a Political or Legislative District Party

☐ Bingo ☒ Raffle ☐ Raffle Board ☐ Calendar Raffle ☐ Sports Pool ☐ Poker* ☐ Twenty-One* ☐ Paddlewheels*

**See Instruction 2 (f) on Page 2. Poker, Twenty-One, and Paddlewheels may be conducted Only with a Restricted Event Permit. Only one permit per year.*

LOCAL PERMIT RAFFLES MAY NOT BE CONDUCTED ONLINE AND CREDIT CARDS MAY NOT BE USED FOR WAGERS

ORGANIZATION INFO

Name of Organization or Group		Dates of Activity *(Does not include dates for the sales of tickets)*	
Church of St. Joseph		**April 24, 2026**	
Organization or Group Contact Person	E-mail	Telephone Number	
Laurie Friesz	**lfriesz@stjosephmandan.com**	**701-401-0125**	
Business Address	City	State	ZIP Code
108 3rd Street NE	**Mandan**	**ND**	**58554**
Mailing Address (if different)	City	State	ZIP Code
Same			

SITE INFO

Site Name		County	
St. Joseph School		**San Joaquin**	
Site Physical Address	City	State	ZIP Code
410 Collins Ave	**Mandan**	**ND**	**58554**

Provide the exact date(s) & frequency of each event & type *(Ex. Bingo every Friday 10/1-12/31, Raffle - 10/30, 11/30, 12/31, etc.)*

Selling 50/50 Raffle Tickets on April 24, 2026.

PRIZE / AWARD INFO (If More Prizes, Attach An Additional Sheet)

Game Type	Description of Prize	Exact Retail Value of Prize
50/50 Raffle	**Cash**	**50% of collection**
	Total *(limit $50,000 per year)*	$

ADDITIONAL REQUIRED INFORMATION

Intended Uses of Gaming Proceeds

Church Boiler

Does the organization presently have a state gaming license? *(If yes, the organization is not eligible for a local permit or restricted event permit and should call the Office of Attorney General at 1-800-326-9240)*

☐ Yes ☒ No

Has the organization or group received a restricted event permit from any city or county for the fiscal year July 1 - June 30 (If yes, the organization or group does not qualify for a local permit or restricted event permit)

☐ Yes ☒ No

Has the organization or group received a local permit from an city or county for the fiscal year July 1 - June 30 *(If yes, indicate the total retail value of all prizes previously awarded)*

☒ No ☐ Yes - Total Retail Value: _____ (This amount is part of the total prize limit for $50,000 per fiscal year)

Is the organization or group a state political party or legislative district party? *(If yes, the organization or group may only conduct a raffle and must complete SFN 52880 "Report on a Restricted Event Permit" within 30 days of the event. Net proceeds may be for political purposes.)*

☐ Yes ☒ No

Printed Name of Organization Group's Permit Organizer	Telephone Number	E-mail Address
Laurie Friesz	**701-401-0125**	**lfriesz@stjosephmandan.com**
Signature of Organization Group's Permit Organizer	Title	Date
Laurie Friesz	**Business Manager**	2/12/26

City Commission

Agenda Documentation

MEETING DATE: March 3, 2026
PREPARATION DATE: February 23, 2026
SUBMITTING DEPARTMENT: HR
DEPARTMENT DIRECTOR: Kimberly Markley
PRESENTER: Amy Berger, HR Director
SUBJECT: Consider approval of the Part-Time Real Property Appraiser (Assessing) job description

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STATEMENT/PURPOSE:
To approve the Part-Time Real Property Appraiser (Assessing) job description

BACKGROUND/ALTERNATIVES:
As part of the approved 2026 budget, the Assessing Department was approved to add a part-time benefited position to support operational needs. The Part-Time Real Property Appraiser position was created and included in that approved budget.

The purpose of this agenda item is to formally approve the finalized job description and assigned grade. The job description has been reviewed to ensure it accurately reflects the duties and responsibilities of the role and has been evaluated and graded by Condrey & Associates.

ATTACHMENTS:
1. CA06_Real-Property-Appraiser-PT_2-17-2026

FISCAL IMPACT:
Grade 16 Pay Range: $26.99 to $40.48 per hour
The position has already been planned for and included in the approved budget.

STAFF IMPACT:
The addition of this position was previously approved in the 2026 budget to support operations within the Assessing Department.

LEGAL REVIEW:
NA

RECOMMENDATION:
To approve as presented.

SUGGESTED MOTION:
I move to approve the Part-Time Real Property Appraiser (Assessing) job description as presented.

Revised:	2/17/2026; Condrey 2026
Department:	Assessing
Reports to:	City Assessor
Grade	16
Dept. Manager Signature:	
Human Resources Signature:	
City Administrator Signature:	
Employee Signature:	

JOB SUMMARY

This position is responsible for the appraisal of real property in the City of Mandan. and assists in coordinating day-to-day department operations.

MAJOR DUTIES

- Performs internal and external inspection and desktop review of real property to determine market value; measures and lists quality and condition of buildings; performs appraisal of more complex properties.
- Establishes land values using topography and market information.
- Employs computer-aided mass appraisal system to value property.
- Analyzes property sales.
- Assists in defending property values; prepares data to be used in the defense of appeals.
- Assists in training and coordination of department staff.
- Assists in the preparation of tax rolls.
- Performs related duties.

KNOWLEDGE REQUIRED BY THE POSITION

- Knowledge appraisal methods used in the valuation of property for tax purposes.
- Knowledge of assessing software.
- Knowledge of state laws related to property valuation.

- Knowledge of building materials and construction practices.
- Knowledge of the geographic lay-out of the city.
- Knowledge of computers and job-related software programs.
- Skill in the use of measuring equipment and cameras for the purpose of valuing real property.
- Skill in interpersonal relations and in dealing with the public.
- Skill in oral and written communication.

SUPERVISORY CONTROLS

The City Assessor assigns work in terms of very general instructions. The supervisor spot-checks completed work for compliance with procedures and the nature and propriety of the final results.

GUIDELINES

Guidelines include the North Dakota Century Code, IAAO guidelines for assessors, and city and department policies and procedures. These guidelines require judgment, selection, and interpretation in application.

COMPLEXITY/SCOPE OF WORK

- The work consists of varied property valuation. The unique nature of each property contributes to the complexity of the position.
- The purpose of this position is to participate in the appraisal of real property. Success in this position contributes to the fair and accurate assessment of property taxes.

CONTACTS

- Contacts are typically with co-workers, other city personnel, realtors, bankers, mortgage lenders, and members of the general public.
- Contacts are typically to provide services, to give or exchange information, to justify matters, or to resolve problems.

PHYSICAL DEMANDS/ WORK ENVIRONMENT

- The work is typically performed while sitting at a desk or table or while intermittently sitting, standing, stooping, walking, bending, or crouching. The employee occasionally lifts light objects, uses tools or equipment requiring a high degree of dexterity, and distinguishes between shades of color.

- The work is typically performed in an office and outdoors, occasionally in cold or inclement weather.

SUPERVISORY AND MANAGEMENT RESPONSIBILITY

None

MINIMUM QUALIFICATIONS

- Knowledge and level of competency commonly associated with the completion of a baccalaureate degree in a course of study related to the occupational field.

- Experience sufficient to thoroughly understand the work of subordinate positions to be able to answer questions and resolve problems, usually associated with one to three years' experience or service.

- Possession of appropriate certification by the North Dakota Tax Commission or ability to obtain within two years.

- Possession of or ability to readily obtain a valid driver's license for the type of vehicle or equipment operated.

City Commission

Agenda Documentation

MEETING DATE: March 3, 2026
PREPARATION DATE: February 24, 2026
SUBMITTING DEPARTMENT: Engineering
DEPARTMENT DIRECTOR: Jim Neubauer
PRESENTER: Jarek Wigness, City Engineer
SUBJECT: Consider an Agreement for Cost-Share Reimbursement for 2026 Reconstruct Project Area 2B

STATEMENT/PURPOSE:
To consider and possibly approve the cost-share reimbursement agreement with the State Water Commission for preconstruction funding for the Area 2B project (near Roosevelt Elementary.

BACKGROUND/ALTERNATIVES:
This project was re-initiated after Public Works' responded to 11 watermain breaks since the beginning of 2025. The project includes the replacement of approximately 8,600 feet of aging cast iron watermain north of Main Street between 6th Avenue NW and 14th Avenue NW on the west side of Mandan. In the interest of spending money efficiently, taking advantage of funding programs and continuing to make holistic, comprehensive improvements, we would also look to make combined sanitary sewer, storm sewer, paving, and lighting infrastructure improvements.

A 60% cost-share for the eligible preconstruction engineering items was approved at the February State Water Commission meeting.

ATTACHMENTS:
1. Gov Memo Mandan 2026 Reconstruct Area 2B Feb 2026
2. Agreement Mandan Project 2B Feb 2026

FISCAL IMPACT:
We were approved for a 60% cost-share of the eligible items, this amounts to $228,357. This would help offset costs that would otherwise be paid by special assessments or City Utility Funds.

STAFF IMPACT:
Minimal.

LEGAL REVIEW:
This item has been reviewed as part of the agenda packet.

RECOMMENDATION:
To approve the cost-share agreement, as presented.

SUGGESTED MOTION:
I move to approve the cost-share agreement, as presented.

NORTH Dakota | Water Resources
Be Legendary.

Commission Date : 2/12/26
Commission Action : Approved (slbrost)

Approved for state cost-share at 60% of of eligible costs for preconstruction in the amount of $228,357.

MEMORANDUM

TO: Lt. Governor Michelle Strinden
Members of the State Water Commission
FROM: Reice Haase, Secretary
SUBJECT: State Water Supply – City of Mandan
2026 Reconstruct Project Area 2B
DATE: January 27, 2026

Background & Description

The City of Mandan is requesting preconstruction cost-share for their 2026 Reconstruct Project Area 2B (Project). The Project is replacement of approximately 8,600 feet of aging cast iron watermain north of Main Street between 6th Avenue NW and 14th Avenue NW on the west side of Mandan. The Project is part of combined sanitary sewer, storm sewer, lift station, paving, and lighting infrastructure improvements in Mandan. The Project is located in Morton County.

Supplemental Information

Water Development Plan/Priority	2025 / Low
New / Future / Current Service Users	0 / 0 / 498
Present Value Cost / User (Preferred Alternative)	$18,257
Rate / 5,000-Gallons	$51
Comparable Rate / 5,000-Gallons	$47
Water Source – Missouri River, Mandan	

Schedule

Task	Dates
Study	Dec. 2023
Design	Jul. 2026
Bid	Aug. 2026
Construction	Sep.2026
Completion	Oct. 2027

Cost-Share Funding Summary

	Preconstruction	Construction	Total	Approved	**Recommend**
Noneligible Cost	$570,892	$10,287,392	$10,858,284		
Eligible Cost	$380,595	$6,927,561	$7,308,156		
Total	$951,487	$17,214,953	$18,166,440		
Cost-Share 60%	**$228,357**	$4,156,537	$4,384,894		**$228,357**

This project meets requirements of the Water Commission's cost-share policy. Therefore, I recommend approval of this request from the City of Mandan for state cost-share participation in the 2026 Reconstruct Project Area 2B project at 60% of eligible costs, not to exceed $228,357. This approval is contingent on available funding.

RH:jsp:ln/2050MAN

DWR Project No. 2050MAN
Planning and Education Division
February 2026

Agreement for Cost-Share Reimbursement
City of Mandan
2026 Reconstruct Project Area 2B

1. PARTIES. This agreement is between the State of North Dakota (State), by and through the State Water Commission (Commission), and the City of Mandan (Sponsor).

2. PROJECT DESCRIPTION AND LOCATION. Sponsor is seeking funding for the replacement of watermain north of Main Street between 6th Avenue NW and 14th Avenue NW. The Project is located in Morton County, North Dakota.

3. COMMISSION'S RESPONSIBILITY AND INTENT. Commission will provide Sponsor with cost-share, not to exceed $228,357, as approved by Commission on February 12, 2026, to reimburse 60 percent of the actual eligible costs incurred in Project, contingent on availability of funds and conditions of this agreement. Commission's intent in providing this funding to Sponsor is to assist Sponsor financially with Project costs. Sponsor retains sole and absolute discretion in the manner and means of carrying out Project, except to the extent specified in this agreement.

4. SPONSOR'S RESPONSIBILITIES. Sponsor must:

a. Complete Project.
b. Provide continued maintenance for Project.
c. Ensure all applicable permits (federal, state, and local) are obtained.
d. Acquire all title to land and easements for Project.
e. Comply with all North Dakota laws applicable to Project.
f. Maintain a Project file containing relevant documents and correspondence generated during the course of Project. Commission is not responsible for maintaining a Project file.
g. Provide a progress report to Commission at least every four years if the term of Project exceeds four years.
h. Notify Commission of any changes to Project funding, including additional funding or funding sources. Cost-share may be modified based on the revised local share.
i. Prior to signature, inform Commission and any other relevant party regarding Project of any errors, misinterpretations, changes, modifications, miscalculations, incorrect Project descriptions, or any other information stated herein that is inaccurate.
j. Notify Commission of litigation related to Project. If Project becomes the subject of litigation before all funds have been disbursed, the Secretary may withhold funds until litigation is concluded.

5. **ELIGIBLE COSTS.** Commission has sole discretion to determine eligible costs and availability of Commission funds. Additional information is outlined in Commission's cost-share policy. Commission will not cost-share in litigation costs unless there has been a separate authorization.

6. **PAYMENT.** Commission will make partial payments upon receipt and approval of Sponsor's written request. Sponsor must provide Commission verification of actual costs and a Project status report with each payment request. A Commission representative may inspect Project to determine whether the work satisfies Commission's cost share requirements before Commission makes payment(s) to Sponsor. Request for final payment must include verification of Project completion as requested by Commission.

7. **INDEMNIFICATION.** Sponsor must require all subcontractors, other than state employed subcontractors, before commencement of an agreement between Sponsor and the subcontractor, to defend, indemnify, and hold harmless State, from and against claims based on the vicarious liability of State or its agents, but not against claims based on State's negligence or intentional misconduct. This obligation to defend, indemnify, and hold harmless does not extend to professional liability claims arising from professional errors and omissions. The legal defense provided by subcontractor to State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for State is necessary. Subcontractor also agrees to reimburse State for all costs, expenses, and attorneys' fees incurred if State prevails in an action against subcontractor in establishing and litigating the indemnification coverage required herein. This obligation continues after the termination of this agreement.

8. **INSURANCE.** Sponsor must secure and keep in force during the term of this agreement, from an insurance company, government self-insurance pool, or government self-retention fund authorized to do business in North Dakota, commercial general liability with minimum limits of liability of $500,000 per person and $2,000,000 per occurrence.

In addition, Sponsor must require all subcontractors, other than state employed subcontractors, before commencement of an agreement between Sponsor and the subcontractor, to secure and keep in force during the term of this agreement, from insurance companies authorized to do business in North Dakota, the following insurance coverages:

a. Commercial general liability, including premises or operations, contractual, and products or completed operations coverages (if applicable), with minimum liability limits of $2,000,000 per occurrence.
b. Automobile liability, including Owned (if any), Hired, and Non-owned automobiles, with minimum liability limits of $500,000 per person and $2,000,000 per occurrence.
c. Workers' compensation coverage meeting all statutory requirements. The policy must provide coverage for all states of operation that apply to the performance of this agreement.
d. If subcontractor is domiciled outside State, employer's liability or "stop gap" insurance of not less than $2,000,000 as an endorsement

on the workers' compensation or commercial general liability insurance.

The insurance coverages listed above must meet the following additional requirements:

e. Any deductible or other similar obligation under the policies is the sole responsibility of the subcontractor. The amount of any deductible is subject to approval by State.

f. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form, and must be placed with insurers rated "A-" or better by A.M. Best Company, Inc., provided any excess policy follows form for coverage. Less than an "A-" rating must be approved by the State. The policies must be in form and terms approved by the State.

g. State will be defended, indemnified, and held harmless to the full extent of any coverage actually secured by the subcontractor in excess of the minimum requirements set forth above. The duty to defend, indemnify, and hold harmless State under this agreement is not limited by the insurance required in this agreement.

h. State must be endorsed on the commercial general liability policy, including any excess policies, as additional insured. State must have all the benefits, rights, and coverages of an additional insured under these policies that are not limited to the minimum limits of insurance required by this agreement or by the contractual indemnity obligations of Sponsor.

i. The insurance required in this agreement, through a policy or endorsement, must include:

   (1) A "Waiver of Subrogation" waiving any right to recovery the insurance company may have against State;

   (2) A provision that subcontractor's insurance coverage is primary (i.e., pay first) as respects any insurance, self-insurance, or self-retention maintained by State and that any insurance, self-insurance, or self-retention maintained by State must be in excess of the subcontractor's insurance and must not contribute with it;

   (3) Cross liability/severability of interest for all policies and endorsements;

   (4) The legal defense provided to State under the policy and any endorsements must be free of any conflicts of interest, even if retention of separate legal counsel for State is necessary;

   (5) The insolvency or bankruptcy of the insured subcontractor must not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured subcontractor from meeting the retention limit under the policy.

j. Failure to provide insurance as required in this agreement is a material breach of contract entitling State to terminate this agreement immediately.

9. BREACH. Violation of any provision of this agreement by Sponsor constitutes breach of this agreement. A breach obligates Sponsor to reimburse Commission for all funds paid to Sponsor and relieves Commission of all obligations under this agreement.

10. AGREEMENT BECOMES VOID. This agreement is void if not signed and returned by Sponsor within 60 days of Commission's signature.

11. TERMINATION.

a. Commission may terminate this agreement effective upon delivery of written notice to Sponsor, or a later date as may be stated in the notice, under any of the following conditions:
   (1) If Commission determines an emergency exists.
   (2) If funding from federal, state, or other sources is not obtained and continued at levels sufficient to provide the funds necessary to comply with this agreement. The parties may modify this agreement to accommodate a reduction in funds.
   (3) If federal or state laws or rules are modified or interpreted in a way that the services are no longer allowable or appropriate for purchase under this agreement or are no longer eligible for the funding proposed for payments authorized by this agreement.
   (4) If any license, permit, or certificate required by law, rule, or this agreement is denied, revoked, suspended, or not renewed.
   (5) If Sponsor does not submit a timely progress report under 4.(g.), or the Commission determines after reviewing a progress report that Project has not made sufficient progress.
   (6) If Commission determines that continuing the agreement is no longer necessary or would not produce beneficial results commensurate with the further expenditure of public funds.

b. Any termination of this agreement is without prejudice to any obligations or liabilities of either party already accrued prior to termination.

c. The rights and remedies of any party provided in this agreement are not exclusive.

12. APPLICABLE LAW AND VENUE. This agreement is governed by and construed under the laws of State. Any action to enforce this agreement must be adjudicated exclusively in the District Court of Burleigh County, North Dakota.

13. SEVERABILITY. If any term of this agreement is declared by a court having jurisdiction to be illegal or unenforceable, the validity of the remaining terms is unaffected, and if possible, the rights and obligations of the parties are to be construed and enforced as if the agreement did not contain that term.

14. SPOLIATION – PRESERVATION OF EVIDENCE. Sponsor agrees to promptly notify Commission of all potential claims that arise or result from this agreement. Sponsor

must also take all reasonable steps to preserve all physical evidence and information that may be relevant to the circumstances surrounding a potential claim, while maintaining public safety, and grants to Commission the opportunity to review and inspect the evidence, including the scene of an accident.

15. NONDISCRIMINATION. Sponsor agrees to comply with Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d et seq.), N.D.C.C. title 34, and all applicable federal and state laws, rules, and policies relating to nondiscrimination, accessibility, and civil rights.

16. MERGER AND MODIFICATION. This agreement constitutes the entire agreement between the parties. There are no understandings, agreements, or representations, oral or written, not specified within this agreement. This agreement may not be modified, supplemented, or amended in any manner, except by written agreement signed by both parties.

17. AUTHORITY TO SIGN. Each of the undersigned warrants that they have explained this Agreement to the party they represent and are authorized to execute this Agreement on the party's behalf.

NORTH DAKOTA STATE WATER COMMISSION

By:

REICE HAASE
Secretary

Date: 02/20/2026

CITY OF MANDAN

By:

JAMES FROELICH
Mayor

Date:

Countersignature and Date (if required)

Print Name and Title

City Commission

Agenda Documentation

MEETING DATE: March 3, 2026
PREPARATION DATE: February 27, 2026
SUBMITTING DEPARTMENT: Administration
DEPARTMENT DIRECTOR: Jim Neubauer
PRESENTER: Jim Neubauer, City Administrator
SUBJECT: Gaming Site Authorization for New Salem Civic Club

STATEMENT/PURPOSE:
Gaming Site Authorization for New Salem Civic Club at Bennigan's from July 1, 2026 to June 30, 2027.

BACKGROUND/ALTERNATIVES:
n/a

ATTACHMENTS:
1. New Salem Civic Club - Bennigan's

FISCAL IMPACT:
n/a

STAFF IMPACT:
n/a

LEGAL REVIEW:
n/a

RECOMMENDATION:
Approve

SUGGESTED MOTION:
I move to approve a Gaming Site Authorization for New Salem Civic Club from July 1, 2026 to June 30, 2027.

Authentisign ID: 2C7D1967-6F12-F111-A69A-000D3A4FF82A

GAMING SITE AUTHORIZATION

ND OFFICE OF ATTORNEY GENERAL

SFN 17996 (4-2023)

G - ___ ___ ___ ___ (___ ___ ___) ___

Site License Number
(Attorney General Use Only)

Full, Legal Name of Gaming Organization
New Salem Civic Club

This organzation is authorized to conduct games of chance under the license granted by the North Dakota Attorney General at the following location

Name of Location
Bennigan's

Street	City	ZIP Code	County
1506 27th St NW	**Mandan**	**58554**	**Morton**

Beginning Date(s) Authorized	Ending Date(s) Authorized	Number of Twenty-One tables, if zero, enter "0"
7/1/2026	**6/30/2027**	

Specific location where games of chance will be conducted and played at the site (**required**)
entire establishment excluding restrooms

If conducting **Raffle** or **Poker** activity provide date(s) or month(s) of the event(s) if known

RESTRICTIONS FOR CITY/COUNTY USE ONLY

The organization **must** provide the City/County a list of game types included in their Internal Control Manual and have the manual available upon request. The manual must throughly explain each game type to be conducted. The City/County can only approve these games at the site.

ACTIVITY TO BE CONDUCTED Please check all applicable games to be conducted at site (**required**)

[ ] Bingo	[ ] Club Special	[ ] Sports Pools
[ ] **ELECTRONIC** Quick Shot Bingo	[ ] Tip Board	[ ] Twenty-One
[ ] Raffles	[ ] Seal Board	[ ] Poker
[ ] **ELECTRONIC** 50/50 Raffle	[ ] Punchboard	[ ] Calcuttas
[ ] Pull Tab Jar	[ ] Prize Board	[ ] Paddlewheel with Tickets
[X] Pull Tab Dispensing Device	[ ] Prize Board Dispensing Device	[ ] Paddlewheel Table
[X] **ELECTRONIC** Pull Tab Device		

Days of week of gaming operations (if restricted)	Hours of gaming (if restricted)

If any information above is false, it is subject to administrative action on behalf of the State of North Dakota Office of Attorney General

APPROVALS

Attorney General	Date
Signature of City/County Official	Date

PRINT Name and official position of person signing on behalf of city/county above

INSTRUCTIONS:

1. City/County - Retain a **copy** of the Site Authorization for your files.
2. City/County - Return the **original** Site Authorization form to the Organization.
3. Organizations - Send the **original**, **signed**, Site Authorization to the Office of Attorney General with any other applicable licensing forms for final approval

RETURN ALL DOCUMENTS TO:

Office of Attorney General
Licensing Section
600 E Boulevard Ave, Dept. 125
Bismarck, ND 58505-0040
Telephone: 701-328-2329 OR 800-326-9240

Authentisign ID: 20020780-0100-F111-AB24-000D3A4FF82A

RENTAL AGREEMENT

OFFICE OF ATTORNEY GENERAL
LICENSING SECTION
SFN 9413 (7-2023)

License Number (Office Use Only)

Site Owner (Lessor)		Site Name		Site Phone Number
Mandan Legends Group, LLC		**Bennigan's**		**701-391-2175**
Site Address	City	State	Zip Code	County
1506 27th St NW	**Mandan**	**ND**	**58554**	**Morton**
Organization	Rental Period			Monthly Rent Amount
New Salem Civic Club	**7/1/2026** to **6/30/2027**			

1. Is Bingo going to be conducted at the site?	☒ No	☐ Yes	
1a. If "Yes" to number 1 above, is Bingo the **primary** game conducted? - If Bingo is the primary game, enter the monthly rent amount to be paid. Then answer questions 2 - 7 but do not enter any rent amounts.	☐ No	☐ Yes	$
2. Is Twenty-One conducted at this site? Number of Tables with wagers **up to** $5 _____ **X** Rent per Table $ _____	☒ No	☐ Yes	$
Number of Tables with wagers **over** $5 _____ **X** Rent per Table $ _____			$
3. Is Paddlewheels conducted at this site? Number of Tables _____ **X** Rent per Table $ _____	☒ No	☐ Yes	$
4. Is Pull Tabs Involving either a jar bar or standard dispensing device conducted at this site? Please Check: ☐ Jar Bar ☒ Standard Dispensing Device	☐ No	☒ Yes	$ **400**
5. Are Electronic Pull-Tabs conducted at this site? If "Yes" please indicate the number of devices **5**	☐ No	☒ Yes	$ **875**
Total Monthly Rent			$ **1,275**

6. If the only gaming activity to be conducted at the site is a raffle drawing, please check here. ☐

TERMS OF RENTAL AGREEMENT:

This RENTAL AGREEMENT is between the Owner (LESSOR) and Organization (LESSEE) that will be leasing the site to conduct games of chance.

The LESSOR agrees that no game will be directly operated as part of the lessor's business.

The LESSOR agrees that the (lessor), (lessor's) spouse, (lessor's) common household members, (management), (management's) spouse, or an employee of the lessor who is in a position to approve or deny a lease may not conduct games at any of the organization's sites and except for officers and board of directors members who did not approve the lease, may not play games at that site. However, a bar employee may redeem a credit ticket voucher from an electronic tab device, winning pull tab involving a dispensing device, pay a prize board cash prize, and award a prize board merchandise prize involving a dispensing device, and sell raffle tickets or sports pool chances on a board on behalf of an organization.

The LESSOR agrees that the lessors on call or temporary or permanent employee(s) will not, directly or indirectly, conduct games at the site as an employee of the lessee on the same day the employee is working in the area of the bar where alcoholic beverages are dispensed or consumed.

If the LESSEE provides the Lessor with a temporary loan of funds for redeeming credit ticket vouchers from an electronic pull-tab device, or pull tabs or prize boards involving a dispensing device, **the lessor agrees to repay the entire loan immediately when the lessee discontinues using the device at the site.**

The LESSOR agrees not to interfere with or attempt to influence the lessee's selection of games, determination of prizes, including a bingo jackpot prize, or disbursement of net proceeds.

The LESSOR agrees not to loan money to, provide gaming equipment to, or count drop box cash for the lessee.

The LESSOR agrees any advertising by the lessor that includes charitable gaming must include the charitable gaming organization's name.

A LESSOR who is an officer or board member of an organization **may not** participate in the organization's decision-making that is a conflict of interest.

At the LESSOR's option, the lessee agrees that this rental agreement may be automatically terminated if the lessee's gaming license is suspended at this site for more than fourteen days or revoked.

Signature of Lessor	Authentisign	Title President	Date 02/25/26
Signature of Lesse	Authentisign Monte Stein	Title Owner	Date 02/11/26

City Commission

Agenda Documentation

MEETING DATE:	March 3, 2026
PREPARATION DATE:	February 26, 2026
SUBMITTING DEPARTMENT:	Engineering Department
DEPARTMENT DIRECTOR:	Jarek Wigness
PRESENTER:	Jarek Wigness, City Engineer
SUBJECT:	Consider approving plans and specifications and authorizing the advertisement for bids for Project 3A - Near Red Trail elementary, Street Improvement District 241

STATEMENT/PURPOSE:
To consider and possibly approve plans and specifications and authorize the advertisement for bidding for SID 241 – Mandan 2026 Street Rehabilitation Project

BACKGROUND/ALTERNATIVES:
Moore Engineering has completed final plans and specifications for the SID 241 project (Mandan 2026 Street Rehabilitation Project). The project area is north of Old Red Trail from 30th Ave NW to 47th Ave NW. The project will include street rehabilitation and miscellaneous repairs.

The proposed bid date is March 27. The advertisement will run in the Mandan News and Bismarck Tribune on March 6, March 13, and March 20. Bids will be brought to the April 7 City Commission meeting.

ATTACHMENTS:
1. Project 3A - Copy
2. 95% Plans - reduced
3. Resolution Approving Plans and Specs - SID 241
4. Resolution Directing Ad for Bids - SID 241

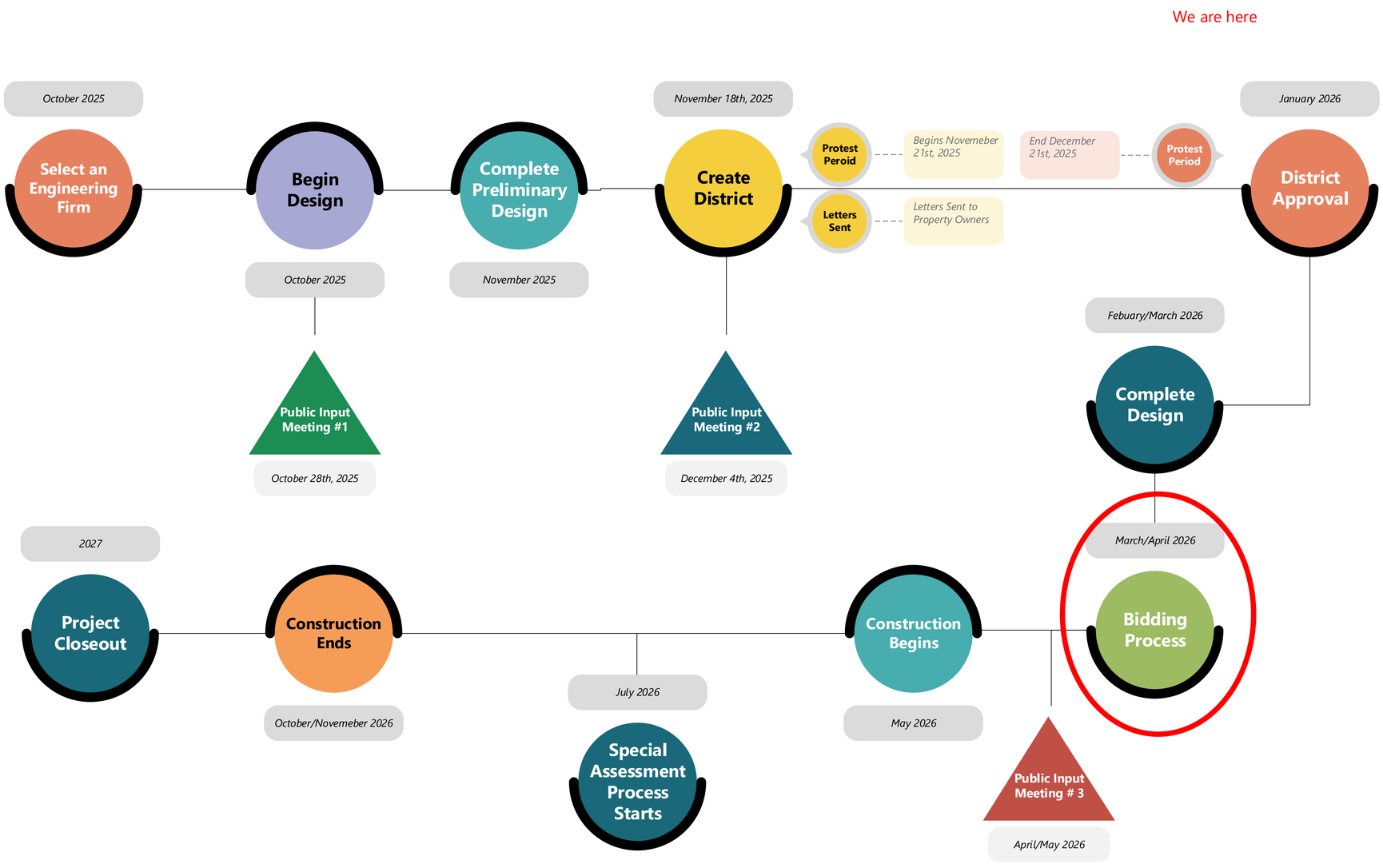
FISCAL IMPACT:
The estimated total construction cost for the 2026 project is $4,700,000. These would be paid by special assessments and municipal infrastructure funds.

STAFF IMPACT:
Significant time and effort working alongside Moore Engineering on this project.

LEGAL REVIEW:
All commission documents have been forwarded to the City Attorney for review.

RECOMMENDATION:
To approve plans and specifications and authorize advertisement for bids.

SUGGESTED MOTION:
I move to approve plans and specifications and authorize the advertisement for bids.


We are here
October 2025
Select an Engineering Firm
Begin Design
October 2025
Complete Preliminary Design
November 2025
November 18th, 2025
Create District
Protest Peroid
Begins Novemeber 21st, 2025
End December 21st, 2025
Protest Period
Letters Sent
Letters Sent to Property Owners
January 2026
District Approval
Public Input Meeting #1
October 28th, 2025
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December 4th, 2025
Febuary/March 2026
Complete Design
March/April 2026
Bidding Process
Public Input Meeting # 3
April/May 2026
Construction Begins
May 2026
Special Assessment Process Starts
July 2026
Construction Ends
October/Novemeber 2026
2027
Project Closeout

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Cover.dwg

2026 STREET IMPROVEMENT DISTRICT 241

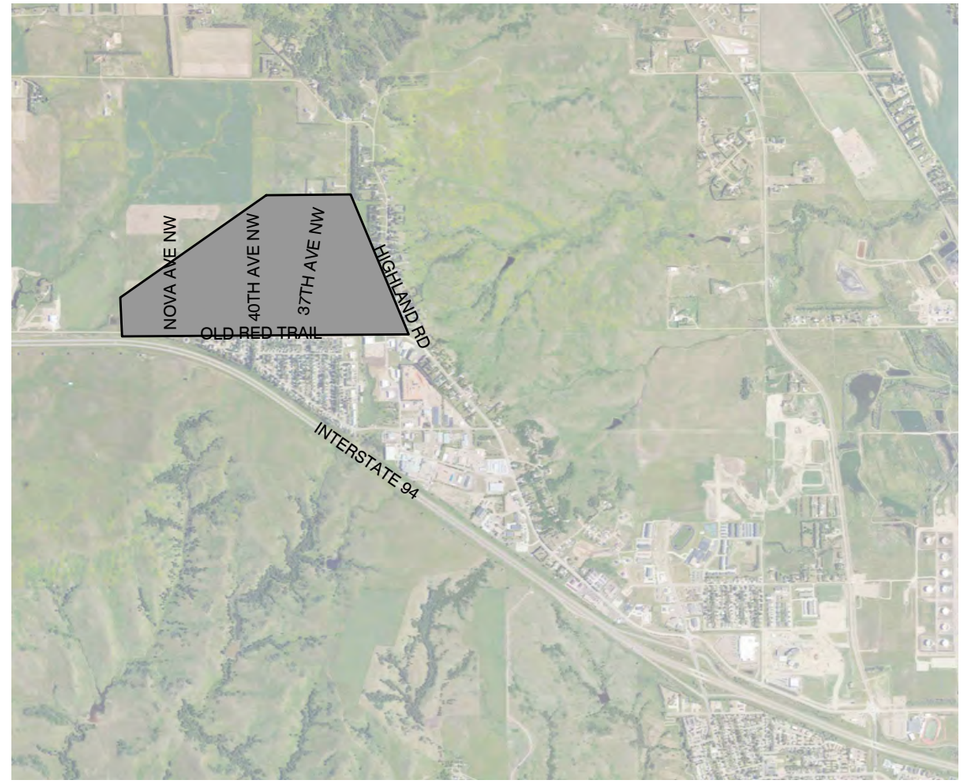
CITY OF MANDAN
WHERE THE WEST BEGINS

moore engineering, inc.
a Vistal company

STREET IMPROVEMENT AREA 3A
PROJECT 2026-01

MANDAN, ND
MORTON COUNTY

VICINITY MAP



PROJECT LOCATION

N
W
E
S

HORIZONTAL CONTROL

NORTH DAKOTA STATE PLANE, NAD83,
SOUTH ZONE, GROUND,
INTERNATIONAL FOOT

VERTICAL CONTROL

1988 NORTH AMERICAN VERTICAL DATUM
(NAVD88) GEOID18

PRELIMINARY

PROJECT No. 30711

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Cover.dwg

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		C-003	CIVIL NOTES
		C-004	EARTHWORK & TESTING SCHEDULE
DETAILS			
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		C-202	ROADWAY
		C-203	UNDERGROUND
		C-204	SANITARY STRUCTURE REHAB SCHEDULE
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		C-302	NOVA AVENUE NW - STA 3+00 - 12+00
		C-303	CROWN POINT ROAD NW - STA 0+00 - 5+00
		C-304	COLUMBUS COURT - STA 0+00 - 2+00
		C-305	CORTEZ CIRCLE - STA 0+00 - 8+50
		C-306	CORTEZ CIRCLE - STA 8+50 - 15+00
		C-307	40TH AVENUE NW - STA 0+00 - 10+00
		C-308	40TH AVENUE NW - STA 10+00 - 14+00
		C-309	39TH AVENUE NW - STA 0+00 - 10+00
		C-310	39TH AVENUE NW - STA 10+00 - 15+00
		C-311	CLARK PLACE NW - STA 0+00 - 3+00
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		C-510	39TH AVENUE NW - STA 10+00 - 15+00
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		E-103	FEEDPOINT REPLACEMENT
		E-104	PAD MOUNTED FEED POINT
		E-105	LIFT STATION ELECTRICAL CONNECTION
MANDAN DETAILS			
		M 400-2 600-1	CRACK SEAL ASPHALT DETAIL & CONCRETE SIDEWALK
		M 600-5&6	SIDEWALK TRENCH DRAIN & DRIVEWAY DETAIL
		M 600-6A&16	DRIVEWAY DETAIL & MOUNTABLE CURB AND GUTTER
		M 600-12&16	STANDARD CURB AND GUTTER & MANHOLE, INLET, VALVE BOX ADJUSTMENT
		M 1206-1&2	MANHOLE, INLET, & VALVE BOX ADJUSTMENT & ROAD CLOSED BARRICADE

PRELIMINARY

moore engineering, inc.
a Vistal company

GENERAL
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
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CIVIL LEGEND

EXISTING

- BENCHMARK
- IRON MONUMENT FOUND
- EXISTING PROPERTY LINE
- EXISTING PLAT LOT LINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- EXISTING PLAT EASEMENT LINE
- EXISTING GAS LINE MARKER
- EXISTING GAS GATE VALVE
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING LIGHT POLE W/SIGN
- EXISTING GUY WIRE
- EXISTING TRAFFIC SIGNAL ARM
- EXISTING SIGN
- EXISTING CULVERT W/FLARED END SECTION (FES)
- EXISTING FLARED END SECTION (FES)
- EXISTING CURB STOP
- EXISTING HYDRANT W/GATE VALVE
- EXISTING GATE VALVE
- EXISTING PROPANE TANK
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER CLEANOUT
- EXISTING STORM SEWER CATCH BASIN
- EXISTING STORM SEWER MANHOLE
- W — EXISTING WATER MAIN
- EXISTING WATER SERVICE W/CURB STOP
- SS — EXISTING SANITARY SEWER
- SS — EXISTING SANITARY SEWER (RELINE W/ CIPP)
- SS-FM — EXISTING SANITARY FORCEMAIN
- EXISTING SANITARY SEWER SERVICE
- ST — EXISTING STORM SEWER
- ST-FM — EXISTING STORM SEWER FORCEMAIN
- STEAM — EXISTING STEAM PIPE
- EXISTING AIR CONDITIONER
- U — EXISTING UTILITY PEDESTAL
- EXISTING UTILITY MANHOLE
- EXISTING UTILITY VAULT
- C — EXISTING UNDERGROUND COMMUNICATIONS
- F — EXISTING UNDERGROUND FIBER
- T — EXISTING UNDERGROUND TELEPHONE
- OHT — EXISTING OVERHEAD TELEPHONE
- TV — EXISTING UNDERGROUND TELEVISION
- OHTV — EXISTING OVERHEAD TELEVISION
- G — EXISTING UNDERGROUND GAS
- E — EXISTING UNDERGROUND ELECTRIC
- OHP — EXISTING OVERHEAD POWER
- X — EXISTING BARBED WIRE FENCE
- EXISTING CHAIN LINK OR STEEL FENCE
- EXISTING PVC OR WOOD FENCE
- EXISTING RAILROAD
- EXISTING SHRUB
- EXISTING STUMP
- EXISTING BOULDER
- EXISTING TREE / TREE CLUSTER
- PRUNING TREE / TREE CLUSTER
- EXISTING SPRINKLER HEAD
- 12 — EXISTING CLUSTER BOX UNIT (CBU)
- EXISTING MAILBOX
- EXISTING CURB AND GUTTER
- EXISTING CURB AND GUTTER LEVELING

PROPOSED

- NEW PROPERTY LINE
- NEW PLAT LOT LINE
- NEW RIGHT OF WAY LINE
- NEW EASEMENT LINE
- NEW PLAT EASEMENT LINE
- CONST-ESMT — CONSTRUCTION EASEMENT
- CONST-LIMITS — CONSTRUCTION LIMITS
- NEW LIGHT POLE
- NEW LIGHT POLE W/ SIGN
- NEW GUY WIRE
- NEW SIGN
- TRAFFIC CONTROL - DRUM
- TRAFFIC CONTROL - TUBULAR MARKER
- NEW CULVERT W/FLARED END SECTION (FES)
- NEW FLARED END SECTION (FES)
- NEW CURB STOP
- NEW HYDRANT W/GATE VALVE
- NEW GATE VALVE
- NEW TAPPING SLEEVE
- NEW FITTINGS
- NEW PLUG
- NEW SANITARY SEWER MANHOLE
- NEW SANITARY SEWER CLEANOUT
- NEW STORM SEWER CATCH BASIN
- NEW STORM SEWER MANHOLE
- W — NEW WATER MAIN
- W — NEW WATER MAIN (DIRECTIONAL DRILLED, CASED OR BURST)
- NEW WATER SERVICE W/CURB STOP (S.B. ELEV.)
- SS — NEW SANITARY SEWER
- SS — NEW SANITARY SEWER (DIRECTIONAL DRILLED OR CASED)
- SS-FM — NEW SANITARY FORCEMAIN
- NEW SANITARY SEWER SERVICE (S.S. ELEV.)
- ST — NEW STORM SEWER
- ST — NEW STORM SEWER (DIRECTIONAL DRILLED OR CASED)
- ST-FM — NEW STORM SEWER FORCEMAIN
- STEAM — NEW STEAM PIPE
- IN — INSULATION PER DETAIL
- X — NEW BARBED WIRE FENCE
- NEW CHAIN LINK OR STEEL FENCE
- NEW PVC OR WOOD FENCE
- 12 — NEW CLUSTER BOX UNIT (CBU)
- NEW MAILBOX
- NEW LARGE DECIDUOUS TREE
- NEW SMALL DECIDUOUS TREE
- NEW SHRUB
- NEW LARGE EVERGREEN TREE
- NEW SMALL EVERGREEN TREE

REMOVALS

- SS — INDICATES REMOVAL
- REMOVE CURB AND GUTTER
- REMOVE ASPHALT PAVEMENT
- REMOVE CONCRETE PAVEMENT
- REMOVE AGGREGATE SURFACE

PAVEMENT REHAB

- UNIFORM MILL & OVERLAY
- TAPERED MILL & OVERLAY
- LEVELING COURSE
- RECLAIM
- ASPHALT PATCH
- CHIP SEAL
- FOG SEAL

PAVEMENT

- NEW INFLOW CURB AND GUTTER
- NEW OUTFLOW CURB AND GUTTER
- NEW ASPHALT SURFACE
- NEW CONCRETE SURFACE
- NEW GRANULAR SURFACE
- NEW CRUSHED CONCRETE SURFACE
- NEW DECORATIVE COLORED CONCRETE
- NEW ASPHALT SIDEWALK OR MULTI-USE PATH
  NEW CONCRETE SIDEWALK OR /MULTI-USE PATH
- NEW CONCRETE APPROACH OR DRIVEWAY
- NEW DETECTABLE WARNING PANEL
- NEW GRAVEL APPROACH OR DRIVEWAY
- NEW CONCRETE VALLEY GUTTER
- NEW MEDIAN NOSE APRON
- NEW ADA RAMP W/ WARNING PANEL

SOIL DISTURBANCE

- DISTURBANCE AREA / TOPSOIL REMOVAL
- REMOVE STOCKPILE
- EXISTING STOCKPILE
- TEMPORARY STOCKPILE
- PERMANENT STOCKPILE
- REAR YARD GRADING
- GRASS BUFFER STRIP

SOIL STABILIZATION

- DISTURBED SOIL STABILIZATION
- STRAW MULCH
- SEEDING & STRAW MULCH
- SEEDING & HYDRO MULCH
- TOPSOIL, SEEDING & STRAW MULCH
- TOPSOIL, SEEDING & HYDRO MULCH
- TOPSOIL, SEEDING & BLANKET

MISCELLANEOUS

- EXISTING RIPRAP
- NEW RIPRAP
- EXISTING LANDSCAPING AREA
- NEW LANDSCAPING AREA
- EXISTING WATER SURFACE
- NEW WATER SURFACE
- EXISTING WETLAND

EROSION CONTROL

- DRAINAGE BREAK LINE
- EXISTING DRAINAGE DIRECTION
- 2.0% — FINISHED DRAINAGE DIRECTION & SLOPE
- 4:1 — FINISHED GRADE
- 895 — EXISTING CONTOUR ELEVATION
- 895 — FINISHED CONTOUR ELEVATION
- FL:900.07 — GRADE ELEVATIONS
- SEDIMENTATION CONTROL WATTLE
- O — SEDIMENTATION CONTROL FENCE
- ROCK CHECK
- S.C.E. — STABILIZED CONSTRUCTION ENTRANCE
- CONCRETE WASHOUT
- INLET PROTECTION DEVICE

ABBREVIATIONS:

BOC = BACK OF CURB
BOW = BACK OF WALK
C = COMMUNICATION
CB# = STORM SEWER CATCH BASIN
CIPP = CURED IN PLACE PIPE
CL = CENTERLINE
CSP = CORRUGATED STEEL PIPE
CO# = SANITARY SEWER CLEANOUT
CS# = CONTROL STRUCTURE
DIA = DIAMETER
DIP = DUCTILE IRON PIPE
E = ELECTRICAL
ECC = EDGE OF CRUSHED CONCRETE
EG = EXISTING GRADE
EOC = EDGE OF CONCRETE
EOG = EDGE OF GRAVEL
EOP = EDGE OF PAVEMENT
EOW = EDGE OF WALK
EX = EXISTING
F = FIBER OPTIC
FES = FLARED END SECTION
FG = FINISHED GRADE
FL = FLOWLINE
FM = FORCEMAIN
G = GAS LINE
HP = HIGH POINT
INV = INVERT
LP = LOW POINT
MA = MATCH
M# = STORM SEWER MANHOLE
MT# = STORM SEWER TEE MANHOLE
MM# = STORM SEWER MULTI-MANHOLE
MC = MIDPOINT OF CURVE
OHP = OVERHEAD POWER
OHT = OVERHEAD TELEPHONE
OHTV = OVERHEAD TELEVISION
PC = POINT OF CURVATURE
PRC = POINT OF REVERSE CURVE
PVC = POLYVINYL CHLORIDE PIPE
PT = POINT OF TANGENCY
RIM = RIM OF STRUCTURE
S# = SANITARY SEWER MANHOLE
S.B. ELEV = STOP BOX ELEVATION
S.S. ELEV = SANITARY SEWER SERVICE INVERT
SS = SANITARY SEWER
ST = STORM SEWER
STA = ALIGNMENT STATION
T = TELEPHONE
TOC = TOP OF CONCRETE
TOP = TOP OF PAVEMENT
TOP = TOP OF PIPE
TOW = TOP OF WALK
TR# = SANITARY TELEVISING RISER
TRANS = TRANSFORMER
TV = TELEVISION
U = UTILITY (UNKNOWN UTILITY)

PRELIMINARY

moore engineering, inc.
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CIVIL
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
CIVIL LEGEND

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THE FOLLOWING PLAN NOTES SUPPLEMENT AND AMEND THE PLAN SHEETS AND SPECIFICATIONS AS FOLLOWS:

DIVISION 01 - GENERAL REQUIREMENTS:

1. The drawings designate those existing items for removal, replacement, or improvement. If not designated for removal, replacement, or improvement, all other existing items within the site to be protected.

2. Contractor to propose haul routes to engineer for approval prior to construction. Any construction traffic damage to roads outside the construction area to be repaired by the contractor. Roads to be maintained in good driving condition throughout the project.

3. Contractor to phase construction of the improvements so as not to have more than 1,200 feet of city street closed to traffic at any one time.

4. The subsurface utility information in this plan is Utility Quality Level D. This quality level was determined according to the guidelines of ASCE 38-02 entitled "Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data".

5. Contractor shall maintain a "drivable" surface for traffic at the end of each day.

6. Notify Engineer a minimum of 1 week prior to initiating any road closures or detours.

7. Contractor shall use the provided Mandan Construction Notifications to alert residents to construction activities as indicated in the Mandan Construction Notice Instructions.

8. The City of Mandan will provide water required for the Work at no additional cost to the Contractor. Determine the preferred hydrant source with public works. Public works to supply water meter, and Contractor provide a weekly meter report to the City.

9. Coordinate with City of Mandan for use of potential staging areas.

10. Contractor to protect all light poles/power poles/signs/mailboxes unless noted for replacement in plans or by engineer. Temporary bracing to be incidental to the project.

11. Contractor to repair any sprinkler systems damaged during construction. Sprinkler repairs to be incidental.

12. Contractor is responsible for all costs associated with repair of electrical wiring damaged by construction operations.

DIVISION 02 - EXISTING CONDITIONS:

1. Maintain streets where asphalt or concrete has been removed to allow for local traffic in and out of residences and businesses. This includes blading, watering, pumping, placing aggregate, or fixing soft areas if necessary. All street maintenance to be included in other items.

DIVISION 31 - EARTHWORK:

1. Any required dewatering or pumping required to perform the work to be included in the price bid for the associated item.

DIVISION 32 - EXTERIOR IMPROVEMENTS:

1. Provide fence around area areas that impact sidewalks and shared use paths. All costs for fence to be included in traffic control items.

2. Remove and replace areas indicated on Drawings or in the field by the Engineer for patching in accordance with the details. Removals will be considered patches if they are less than 100 S.Y. per patch and each will vary to be paid under "Asphalt Patching."

2. If Contractor operations require the removal of existing pavement and aggregate base adjacent to the curb and gutter or valley gutter removals, the maximum width of each removal area will not exceed 2 feet from curb and gutter. Removals shall be paid for under the "Asphalt Patching" bid item.

3. "Mastic Crack Repair" will be used on 39th Avenue NW, LaSalle Drive, Cortez Circle, and Columbus Court. All mastic will be placed prior to fog seal. Quantity is an estimate; no additional compensation will be given if the quantity is underrun.

CITY OF MANDAN NOTES:

201-2.6 TREE PRUNING: All trees violating City of Mandan municipal code (Sec. 115-4-7) to be pruned per City of Mandan Specification 201-2.6. Engineer to identify locations in the field. Contractor to follow proper tree pruning standards to preserve the health of the tree.

Private trees shall be pruned for clearance purposes only. No aesthetic or structural pruning of private trees beyond required clearances is included unless directed by the City.

All pruning work shall be performed in accordance with generally accepted arboricultural practices. Field conditions may require minor adjustments as approved by the City.

Trees shall be pruned to provide a minimum of ten (10) feet of vertical clearance over sidewalks and public rights-of-way. A minimum of fourteen (14) feet of vertical clearance shall be maintained over curbs and streets on residential streets and sixteen (16) feet of vertical clearance shall be maintained over curbs and streets on arterial streets.

Trees interfering with streetlight illumination shall be pruned to provide adequate and uninterrupted illumination of the roadway. Pruning shall generally begin at a forty-five (45) degree angle measured outward from the streetlight head, unless site conditions require modification.

Branches that currently interfere, or are reasonably anticipated to interfere, with overhead service wires shall be pruned to provide approximately ten (10) to twelve (12) feet of clearance.

Trees interfering with traffic signs, signals, or other traffic control devices shall be pruned to maintain adequate sight distance, generally not less than two hundred fifty (250) feet, where feasible.

Pruning shall include the removal of deadwood greater than one (1) inch in diameter, as well as dying, diseased, storm-damaged, weak, objectionable, or interfering branches. Broken branches and old stubs shall be removed.

Epicormic (suckering) branches extending below fourteen (14) feet shall be removed, unless otherwise directed by the City.

Crossed or rubbing branches shall be removed where practicable and appropriate for the species and condition of the tree.

201-3.1 CLEARING AND GRUBBING: All regrading of drainage ditches will be incidental to the "Clearing and Grubbing" bid item.

405-8.1 EMULSION AND ASPHALT CEMENT SEALANTS: Work and materials to seal cracks on all streets within the project area prior to chip or fog seal. Bid item to include along entire length of curb and gutter in the project area and additional transverse cracks identified in the field. Quantity is an estimate, no additional compensation will be given if the quantity is underrun.

405-8.6 ROUTED/SAWN CRACKS: Work and materials to route or saw cracks within the project area prior to chip seal. Bid item DOES NOT include along curb and gutter. Quantity is an estimate, no additional compensation will be given if the quantity is underrun.

1202-4.1 SEEDING: Apply hydro-mulch after the seed is raked into the topsoil. Use Class II (Shady) seed mix. Include an additional 10 pounds/acre of oats for dormant seeding.

Use fertilizer mixture of 12-24-12 applied at a rate of 220 pounds per acre. Water after placement in order to provide sufficient moisture for growth as determined by the engineer. Reseed, at no cost to the Owner, any areas not established within 6 weeks for normal seeding or not established by July 1 for dormant seeding. All cost for labor, equipment, and materials necessary to complete the work included in the price bid for "Seeding Class II".

PRELIMINARY

moore engineering, inc.
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CIVIL
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
CIVIL NOTES

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Payment for seeding will be based on the table below:

Contract Amount Earned	Progress
50%	Completion of Seeding
100%	Fully Established

1206-4.2 FURNISH AND ADJUST MANHOLE CASTING: All existing manhole castings in project area to be replaced with new frame, cover, adjusting rings, chimney seal, and accessories. Concrete diamond to be constructed per City of Mandan Detail 1206-1. Include all work, items, and accessories necessary to furnish casting, adjust casting, and construct concrete diamond, including removal of asphalt, blended base, concrete, and asphalt patching needed in order to construct diamond in the unit price bid for "Furnish & Adjust Manhole Casting". In reconstruct or mill and overlay areas, leave concrete 2" below finished asphalt grade and pave wear course over top. In areas not receiving a 2" overlay, concrete is to be flush with finished asphalt grade.

1206-4.11 ADJUST VALVE BOX - ASPHALT: All gate valves in asphalt to have concrete diamond constructed around valve per City of Mandan Detail 1206-1. All work and materials to construct concrete diamond and perform final valve adjustments for new gate valves to be included in the unit bid price for "Adjust Valve Box-Asphalt Pavement". Leave concrete 2" below finished asphalt grade and pave wear course over top. All work and materials to perform final valve adjustments for existing gate valves outside of asphalt to be included in the associated concrete and landscaping bid items.

1206-4.20 ADJUST CLEANOUT – ASPHALT: All cleanouts in asphalt to have concrete diamond constructed around valve per Plan Detail "Sanitary Sewer Cleanout". All work and materials to construct concrete diamond to be included in the unit bid price for "Adjust Cleanout-Asphalt Pavement". Leave concrete 2" below finished asphalt grade and pave wear course over top. All work and materials to perform final valve adjustments for existing cleanouts outside of asphalt to be included in the associated concrete and landscaping bid items.

1207-4.1 GEOGRID REINFORCEMENT: Compact material over geosynthetic geogrid as specified in Section 709.04 C of the 2025 NDDOT Handbook, "Geosynthetic Geogrid (NX750)" as specified in Section 709 except as modified herein. Geogrid shall be Tensar NX750 or approved equal. Minimum geogrid overlap shall be 12 inches. Mechanically tying overlaps and the use of pins or staples to maintain geogrid position is permitted but not required.

The geogrid shall be multiaxial, integrally formed with hexagonal, trapezoidal and triangular apertures and high-profile ribs exhibiting significant dimensional stability through all ribs and junctions of the geogrid structure. The geogrid apertures shall be sized appropriately to interlock with the specified aggregate. The geogrid shall maintain its stabilization and aggregate confinement capabilities under repeated dynamic loads while in service.

The geogrid shall be resistant to ultraviolet degradation, damage under normal construction practices and all forms of biological and chemical degradation normally encountered in road construction.

Geotextile material will not be considered as an alternate to geogrid.

Biaxial geogrid material will not be considered as an alternate to multiaxial geogrid.

Alternate geogrid materials shall not be used unless pre-approved in writing by the Engineer. Consideration of alternate geogrid products will be made only on the basis of a project-specific design submittal demonstrating an equivalent structural section using an accepted design methodology. Neither material index properties such as tensile strength or aperture stability modulus nor explanations of performance based on in-air testing of the geogrid product shall be considered in analyzing trafficking performance.

Geogrid shall be installed in accordance with manufacturer's published installation guidelines or as directed by the Engineer.

Published installation guidelines shall be included with the product approval submittal.

Geogrid layers shall be placed at the location specified by the Engineer.

Upon request by the Engineer and with sufficient notice provided the geogrid manufacturer shall provide at no additional cost a qualified representative to be present for a pre-construction meeting or on-site consultation to support geogrid installation.

PRELIMINARY

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CIVIL
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
CIVIL NOTES

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EARTHWORK SCHEDULE

	Min. % of Max. Density ASTM D698	Range Optimum Moisture %	Fill Type	Max. Compacted Lift Thickness (in.)	Max. Loose Lift Thickness (in.)
Trenching					
Pipe Bedding and Cover	95		A2	6	
Rock Bedding - 1 1/4"			A6	6	
Backfill	95	- 1 to + 3	S1, S2		8
Top 3 feet of Backfill below Roadway	100	- 1 to + 3	S1, S2		8
Topsoil	Lightly Compact		S3, S4		
Backfill for Valve & Box, Yard Hydrant	95		A2	6	
Manholes and Structures					
Bedding	95		A2	6	
Rock Bedding			A6	6	
Backfill	95		S1, S2		8
Top 3 feet of Backfill below Roadway	100		S1, S2		8
Topsoil	Lightly Compact		S3, S4		
Roadways					
Subgrade Preparation	Proof Roll		S1, S2	6	
Embankment	95	- 1 to + 3	S1, S2		8
Aggregate Base & Surfacing	Proof Roll	-3 to +3	A1, A3, A5, A8		8
Fill under Roads, Sidewalks, Driveways	95	- 1 to + 3	S1, S2		8
Topsoil	Lightly Compact		S3, S4		
Grading					
Scarify and Recompact 12"	95	- 1 to + 3	S1	6	
Boulevards and Greenspaces	90	- 1 to + 3	S1		
Clay Liner	98	- 1 to + 3	S5		8
Embankment	95	- 1 to + 3	S1, S2		8
Topsoil	Lightly Compact		S3, S4		
Spoil or Stockpile	Lightly Compact				12
Other					
Subcut and Recompact	95	- 1 to + 3	S1		8
Subsoil Fill	95	- 1 to + 3	S1, S2		8
Structural Fill	98	-3 to +3	A1	6	
Granular Fill	95	-3 to +3	A1, A2, A9	6	

TESTING SCHEDULE

	Frequency
Trenching	
Utility Main	Whichever is more frequent
	1 test per 350 feet of road per 12" lift
	1 test per city block per 12" lift
	or, 1 test per 500 cubic yards of fill
Utility Service	2 tests (1/3 & 2/3 depth)
Hydrant Lead	2 tests (1/3 & 2/3 depth)
Manhole or Inlet	2 tests (1/3 & 2/3 depth)
Earthwork	
Roads	1 test per block or 350' of roadway per 12" lift
General Earthwork	1 test per 1,500 CY
Structural Fill	1 test per 20,000 SF per 12" lift
Granular Fill	2 test per 20,000 SF per 12" lift
Clay Liner	1 test per 20,000 SF per 12" lift

PRELIMINARY

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CIVIL
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
EARTHWORK & TESTING SCHEDULE

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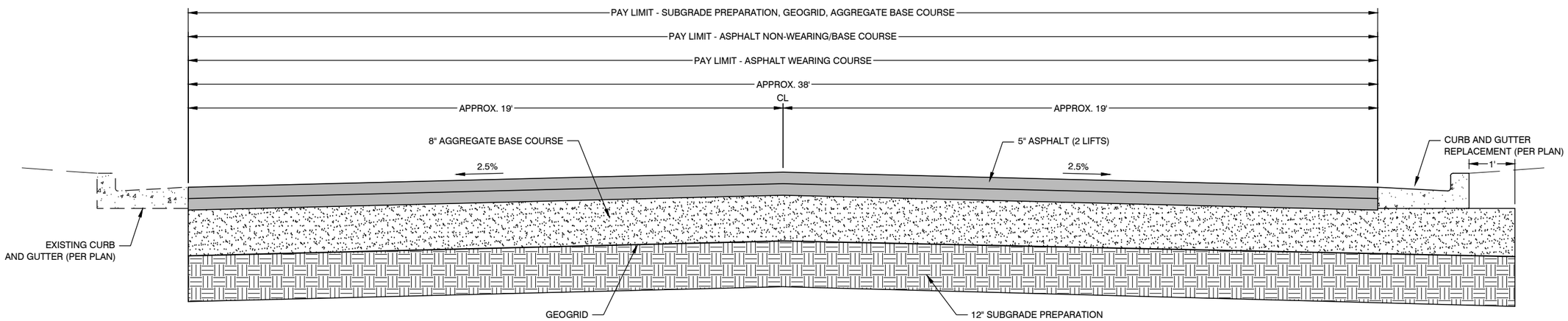
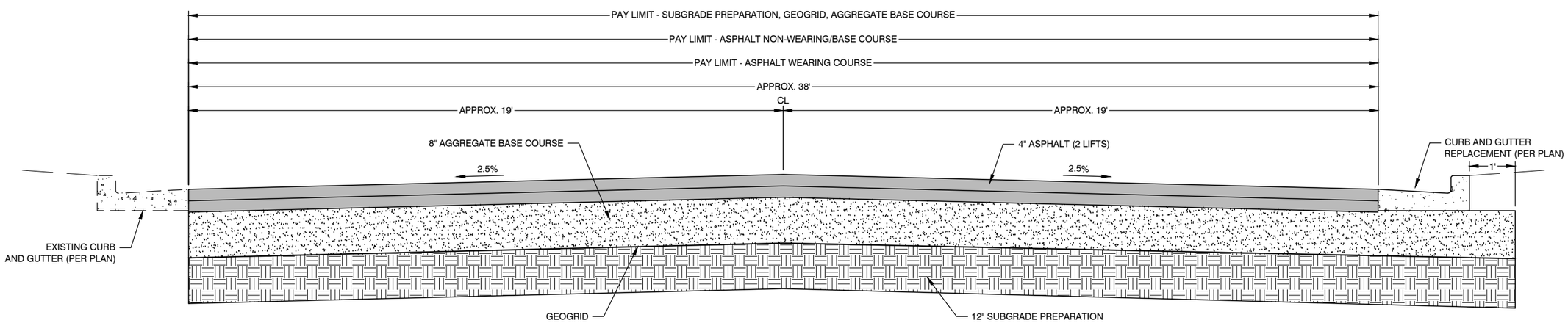
PRELIMINARY



TYPICAL URBAN TRUCK ROUTE ASPHALT SECTION

NO SCALE *47TH AVE, 37TH AVE, 48TH ST*



TYPICAL URBAN ASPHALT SECTION

NO SCALE *ALL OTHER RECONSTRUCTION*

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DETAILS
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STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
ROADWAY

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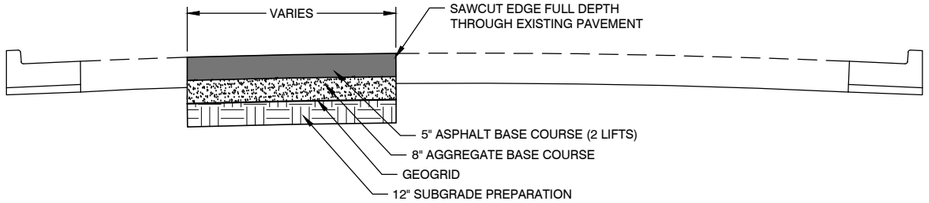
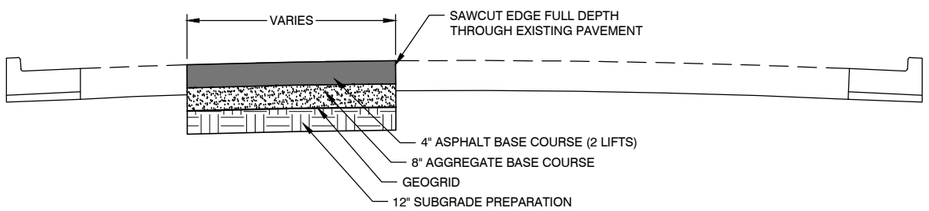


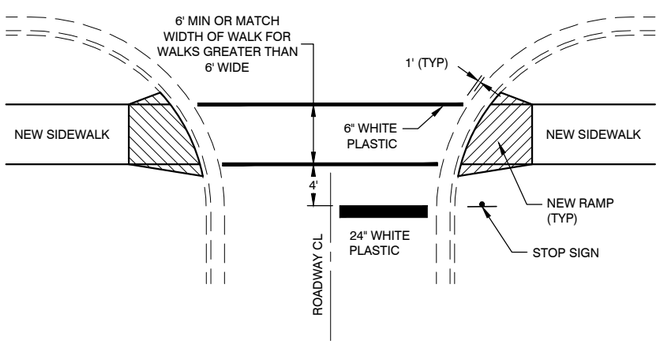
STREET PATCH - URBAN TRUCK ROUTE ASPHALT SURFACE

NO SCALE *37TH AVE*



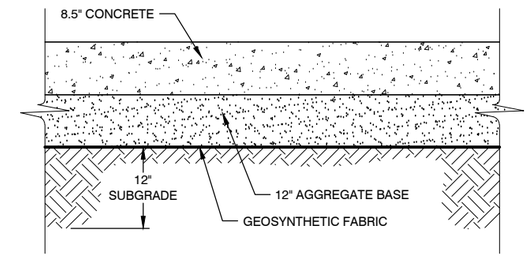
STREET PATCH - URBAN ASPHALT SURFACE

NO SCALE *ALL OTHER ROADWAYS*



CROSSWALK STRIPING - LONGITUDINAL

NO SCALE

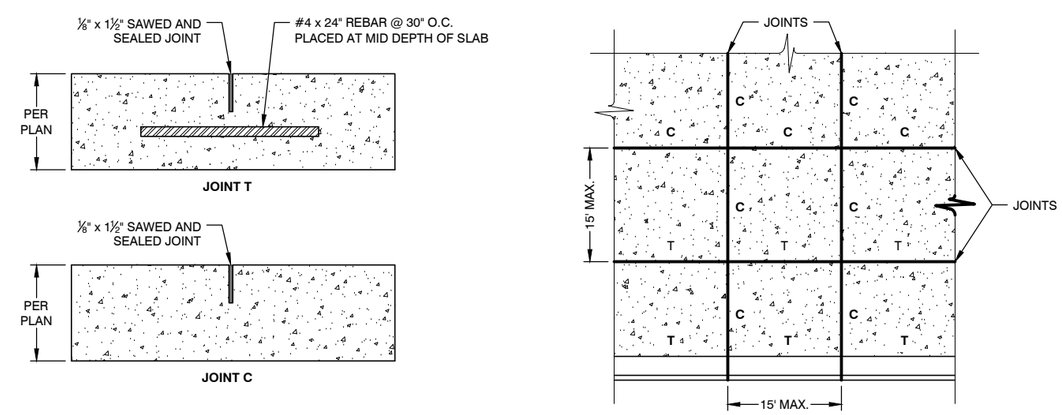


NOTES:

1. CONCRETE PAVEMENT TO BE TIED INTO CURB & GUTTER AND EXISTING CONCRETE PAVEMENT WITH 24" #4 REBAR AT 24" O.C.
2. SUBGRADE TO BE SCARIFIED TO DEPTH SHOWN AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
3. JOINTS IN CURB & GUTTER SHALL MATCH JOINTS IN CONCRETE PAVEMENT.
4. JOINTS SHALL BE SPACED AT 15' MAXIMUM AND BE ⅛" X 1½" SAWED AND SEALED.

CONCRETE PAVEMENT SECTION - HEAVY DUTY

NO SCALE *OLD RED TRAIL*



NOTES:

1. CONCRETE PAVEMENT TO BE TIED INTO NEW, CONCURRENT CURB & GUTTER AND/OR SIDEWALK CURB WITH #5 x 30" BARS @ 48" O.C. OR #4 x 18" BARS @ 24" O.C.
2. INTENT IS TO TIE PANELS INTO CURB & GUTTER AND TO TIE THE TWO OUTSIDE RINGS OF PANELS TOGETHER.
3. JOINTS IN CURB & GUTTER SHALL MATCH JOINTS IN CONCRETE PAVEMENT.

CONCRETE PAVEMENT SECTION - REGULAR/PARTIALLY REINFORCED

NO SCALE *OLD RED TRAIL*

PRELIMINARY

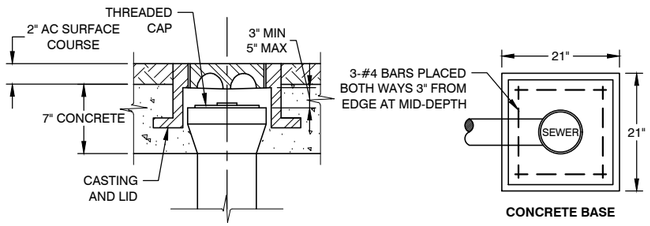
moore engineering, inc.
a Vistal company

DETAILS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
ROADWAY

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

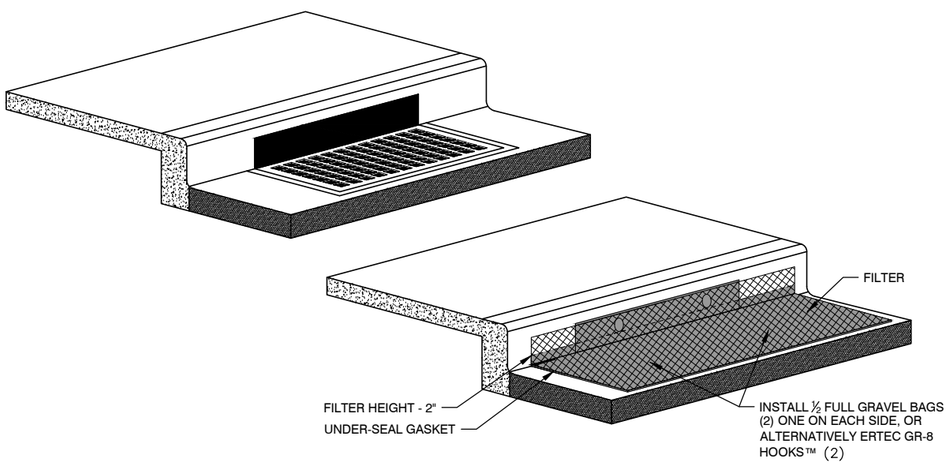
C-202

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan\2026StreetProjectArea3A\CAD\C3D\Production\30711-Details.dwg



SANITARY SEWER CLEANOUT COLLAR

NO SCALE



NOTES:

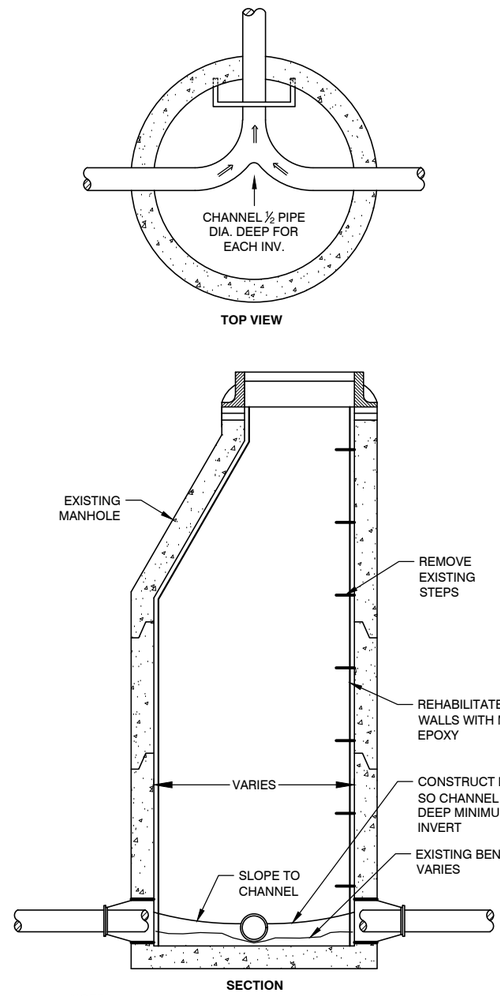
1. INLET PROTECTION SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE OWNER.
2. (MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE MINNESOTA DEPARTMENT OF TRANSPORTATION'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.)
3. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

INSTALLATION NOTES:

1. PLACE DEVICE TIGHTLY AGAINST DRAIN OPENING AND COVER ENTIRE GRATE. THE DEVICE SHOULD EXTEND AT LEAST 2 INCHES PAST GRATE TOWARD STREET.
2. OVERLAP THE SEGMENTS AT LONGER OPENINGS.
3. ANCHOR THE DEVICE SO THAT WATER CANNOT FLOW BEHIND IT.

INLET PROTECTION-CURB GRATE

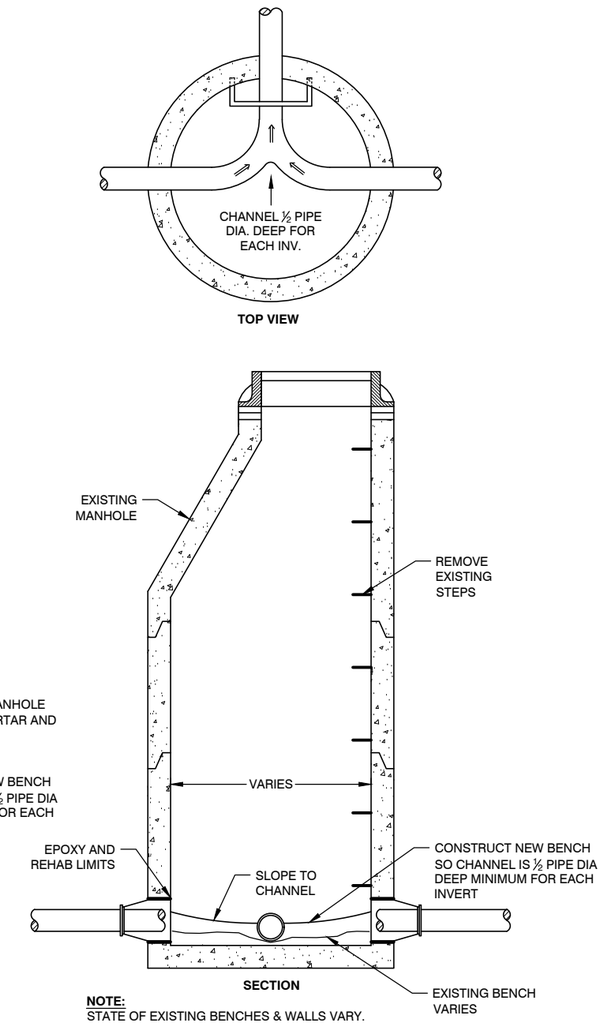
NO SCALE *MUNI-312500-1 06.21.18*



NOTE:
STATE OF EXISTING BENCHES & WALLS VARY.
FIELD VERIFY CONDITION OF EACH MANHOLE.

SANITARY SEWER MANHOLE - REHABILITATE

NO SCALE *10.21.25*



NOTE:
STATE OF EXISTING BENCHES & WALLS VARY.
FIELD VERIFY CONDITION OF EACH MANHOLE.

SANITARY SEWER MANHOLE - REHABILITATE INVERT & BENCH

NO SCALE *10.21.25*

PRELIMINARY

moore engineering, inc.
a Vistal company

DETAILS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
UNDERGROUND

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-203

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan\2026StreetProjectArea3A\CAD\C3D\Production\30711-Details.dwg

PRELIMINARY

SANITARY SEWER REHAB SCHEDULE

NO.	DEPTH	INVERTS	LOCATION	REHAB	COMMENTS
EX - 62405	13.15'	N. INV. 1858.76 - In S. INV. 1860.76 - In W. INV. 1858.71 - Out	47TH AVE NW STA: 1+30.84	MANHOLE	REMOVE STEPS
EX - 62256	7.35'	NW. INV. 1962.68 - In SE. INV. 1962.33 - Out	CROWN POINT ROAD STA: 1+09.99	INVERT AND BENCH	REMOVE STEPS
EX - 62257	8.25'	S. INV. 1960.97 - Out W. INV 1961.92 - In NW. INV. 1961.07 - In NE. INV. 1691.07 - In	LASALLE DRIVE STA: 0+14.88	INVERT AND BENCH	REMOVE STEPS
EX - 62249	10.35'	NW. INV. 1970.25 - Out SW. INV. 1970.25 - In	COLUMBUS COURT STA: 0+73.42	INVERT AND BENCH	REMOVE STEPS
EX - 62281	9.00'	N. INV. 1950.65 - In SE. INV. 1950.55 - Out	34TH AVE NW STA: 8+07.28	INVERT AND BENCH	REMOVE STEPS

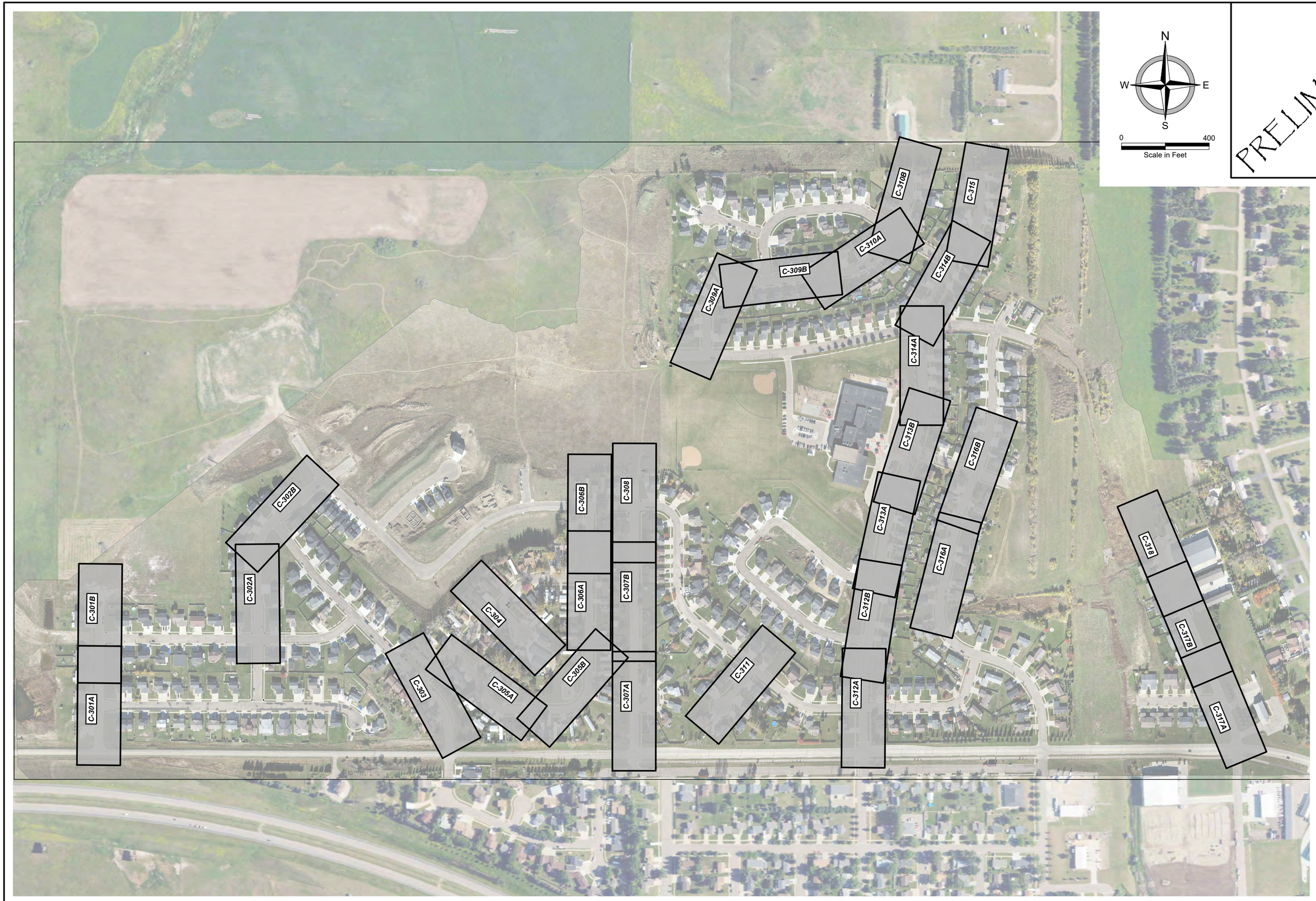
moore engineering, inc.
a Vistal company

DETAILS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
SANITARY STRUCTURE REHAB SCHEDULE

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-204

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan\2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg



PRELIMINARY

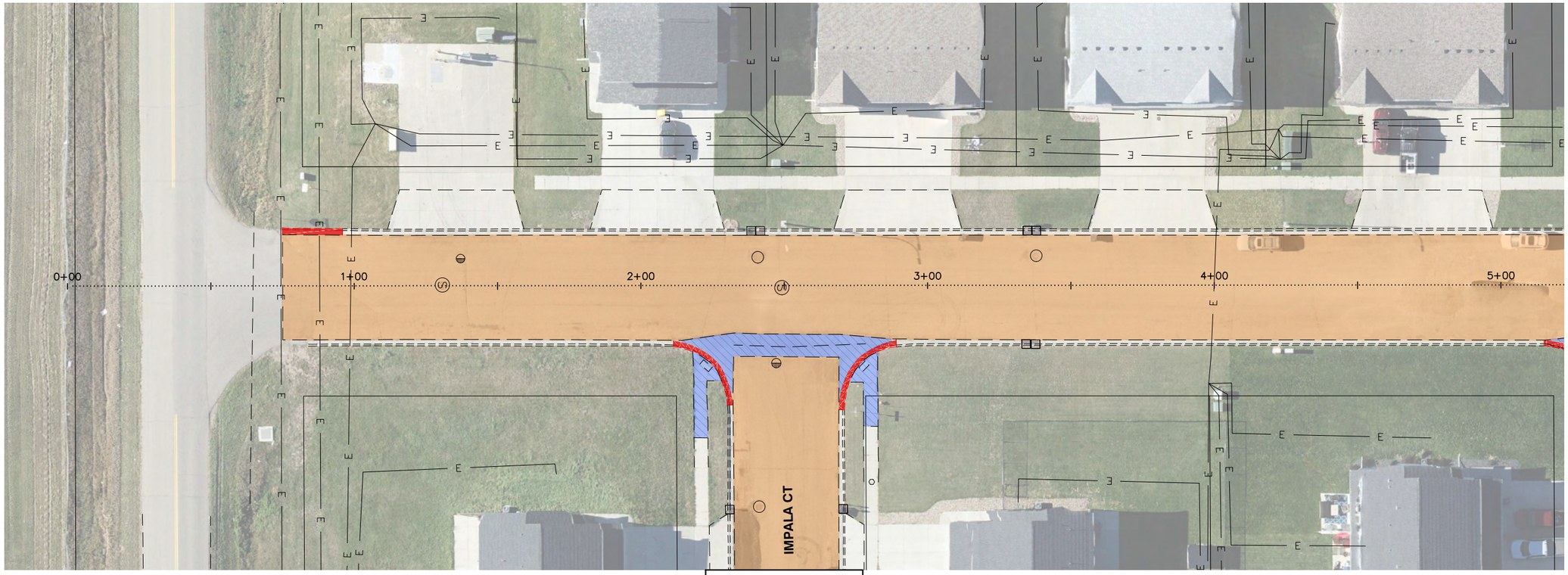
moore engineering, inc.

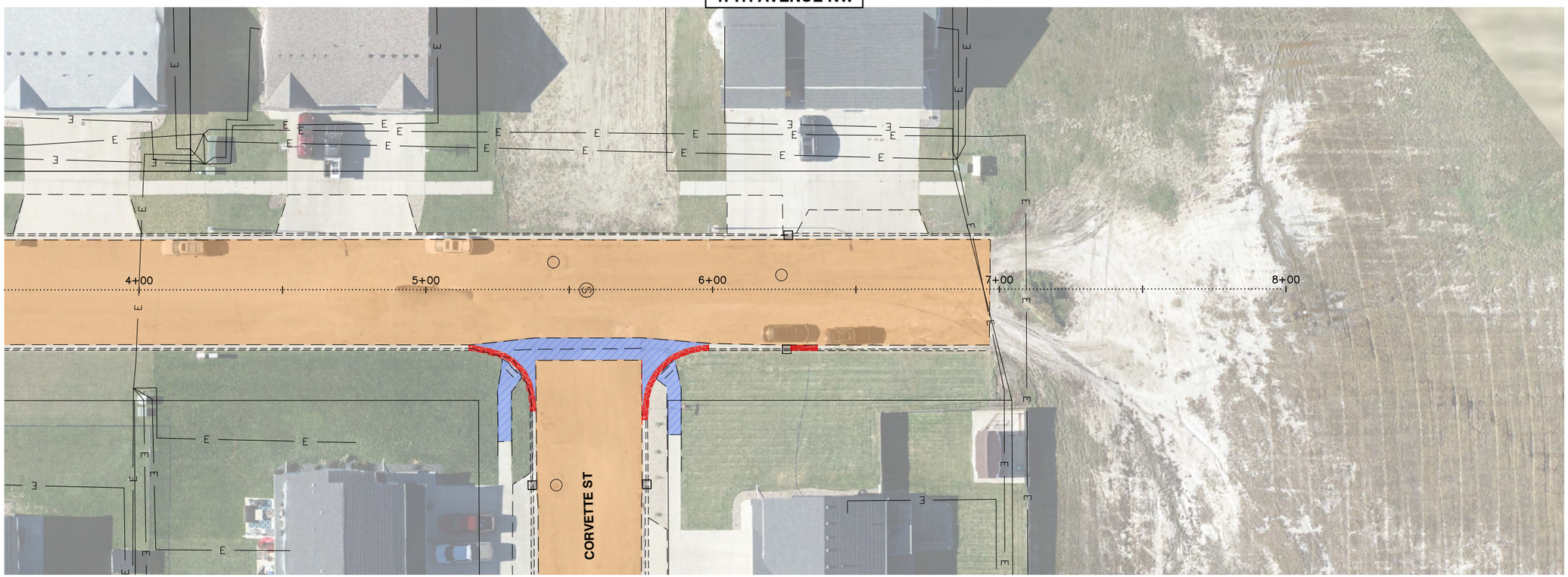
REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
SHEET INDEX - AVENUES

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-300

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg





PRELIMINARY

W S N E

0 40
Scale in Feet

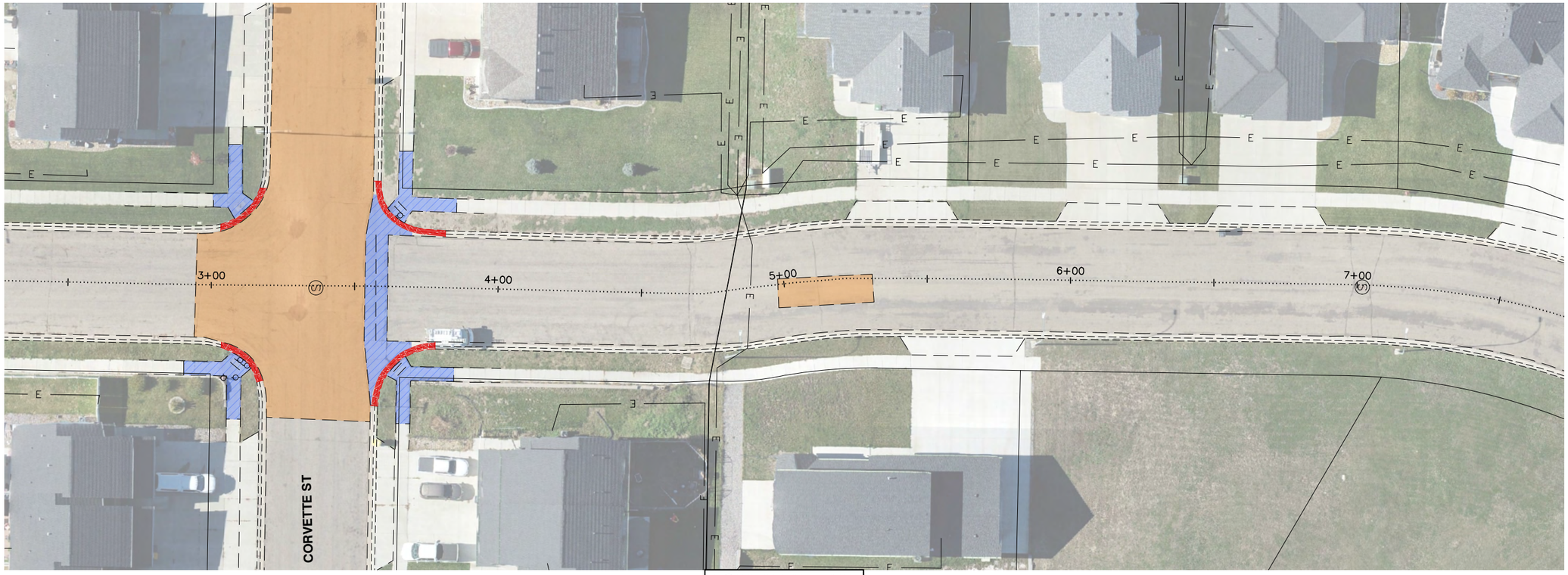
moore engineering, inc.

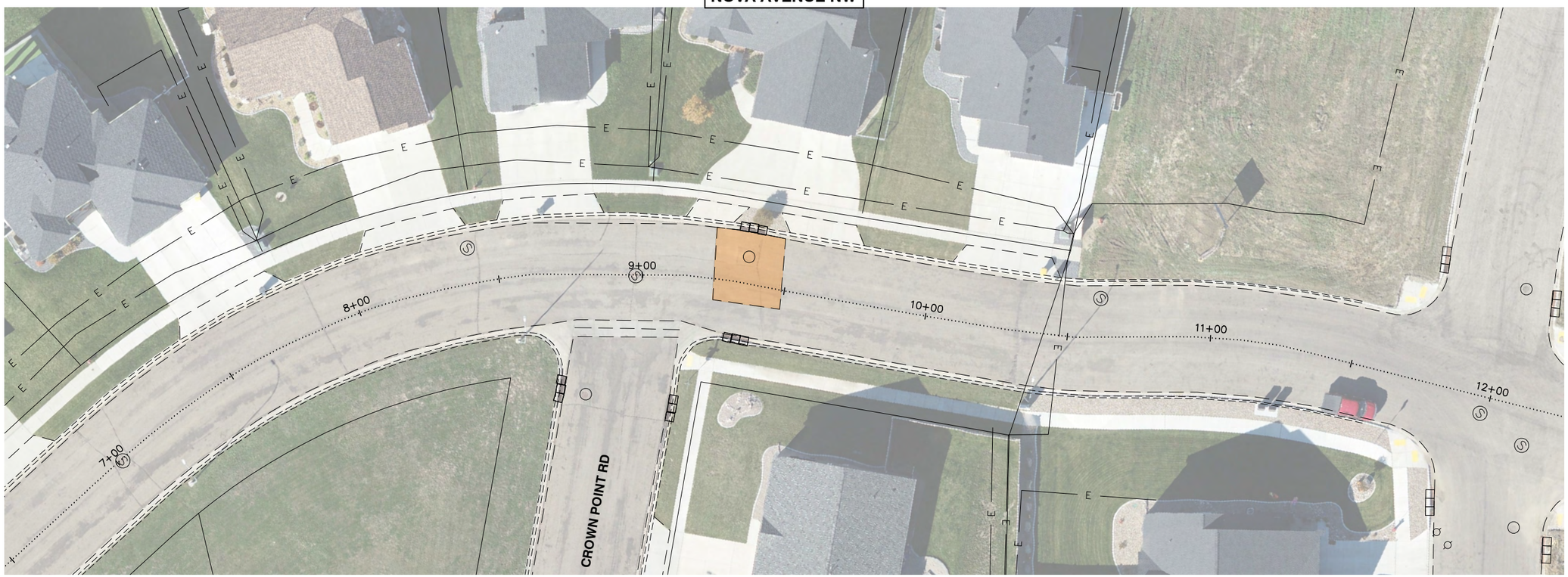
REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
47TH AVENUE NW - STA 0+00 - 7+50

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-301

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg





PRELIMINARY

0 40
Scale in Feet

moore engineering, inc.

REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
NOVA AVENUE NW - STA 3+00 - 12+00

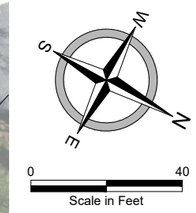
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-302

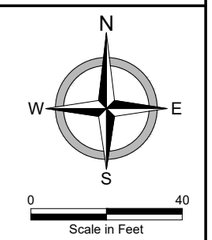
FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg

CROWN POINT ROAD NW

PRELIMINARY



moore engineering, inc.

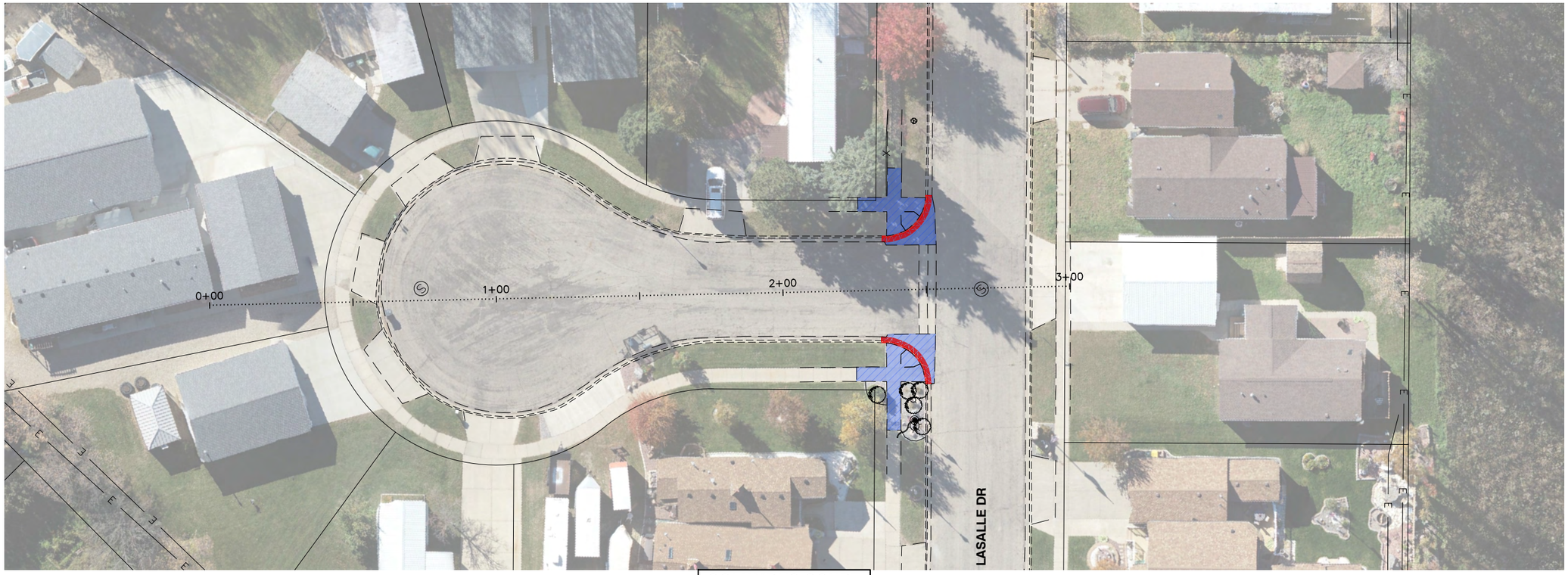


REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
CROWN POINT ROAD NW - STA 0+00 - 5+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

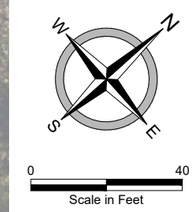
C-303

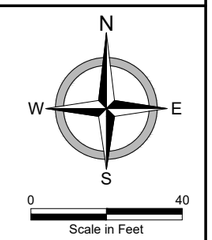
FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg



COLUMBUS COURT

PRELIMINARY





moore engineering, inc.

REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
COLUMBUS COURT - STA 0+00 - 2+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-304

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg

CORTEZ CIRCLE

PRELIMINARY

N
W E
S

0 40
Scale in Feet

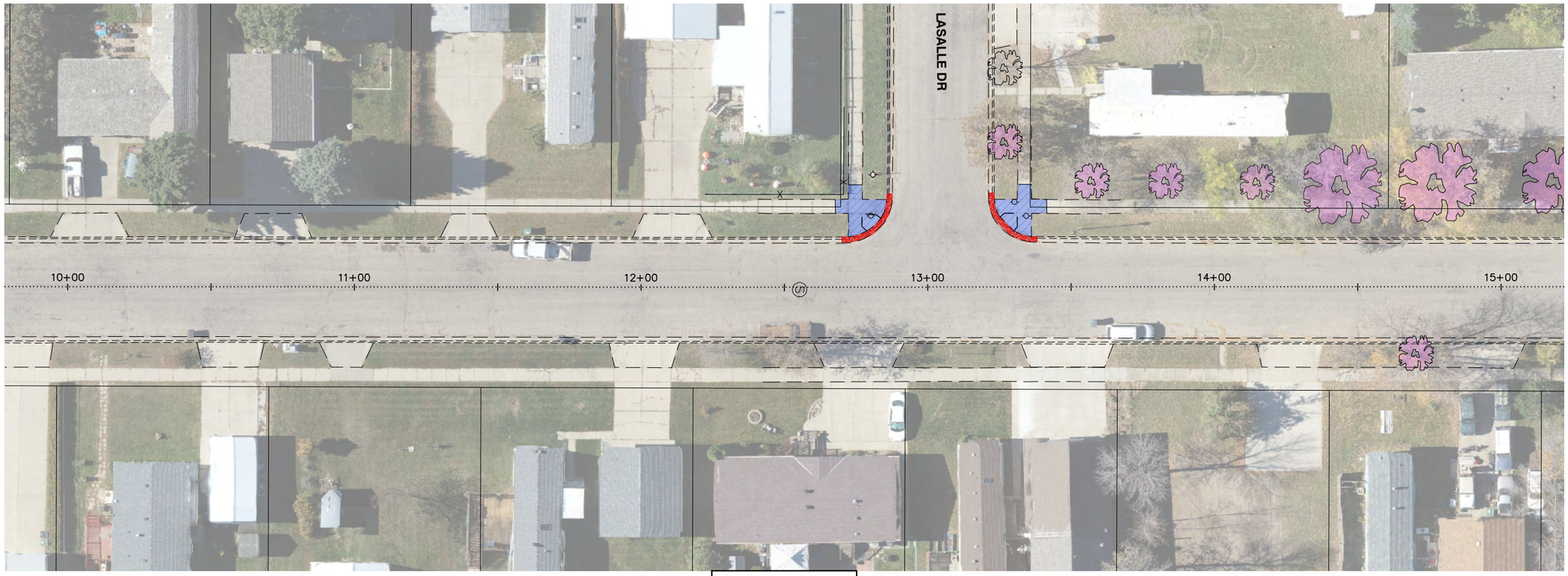
moore engineering, inc.

REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
CORTEZ CIRCLE - STA 0+00 - 8+50

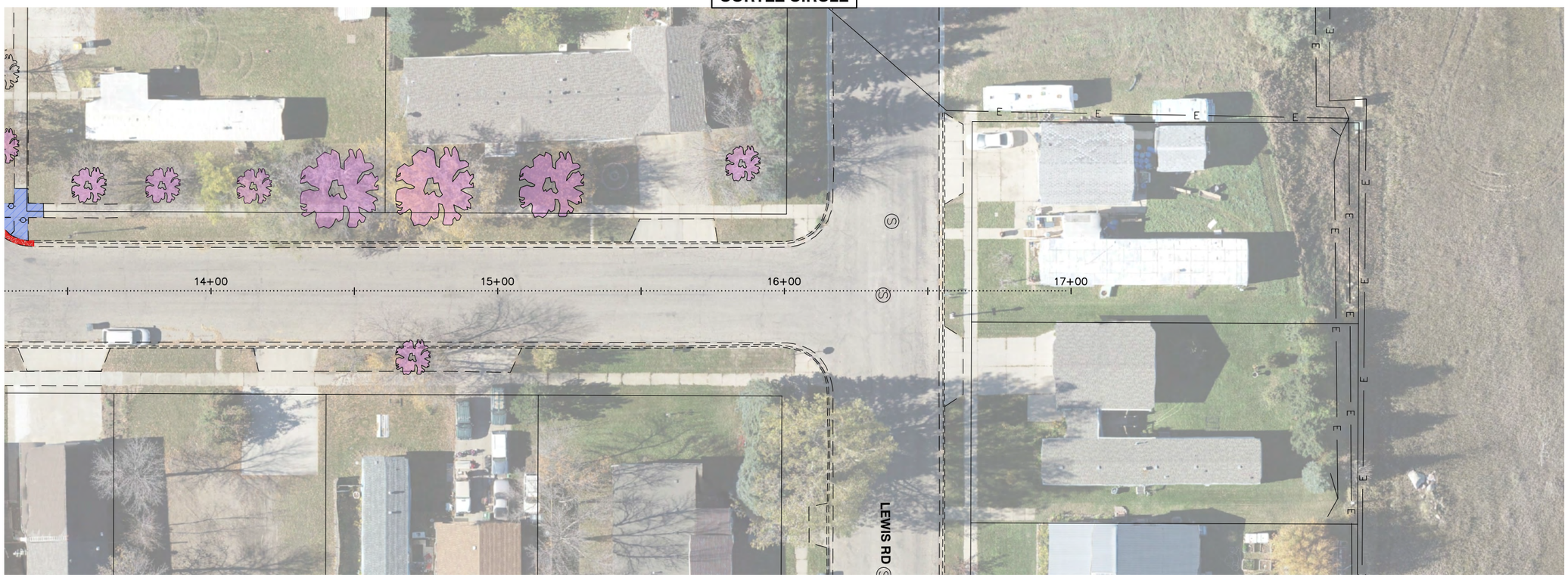
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-305

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg



CORTEZ CIRCLE



PRELIMINARY

W S N E

0 40
Scale in Feet

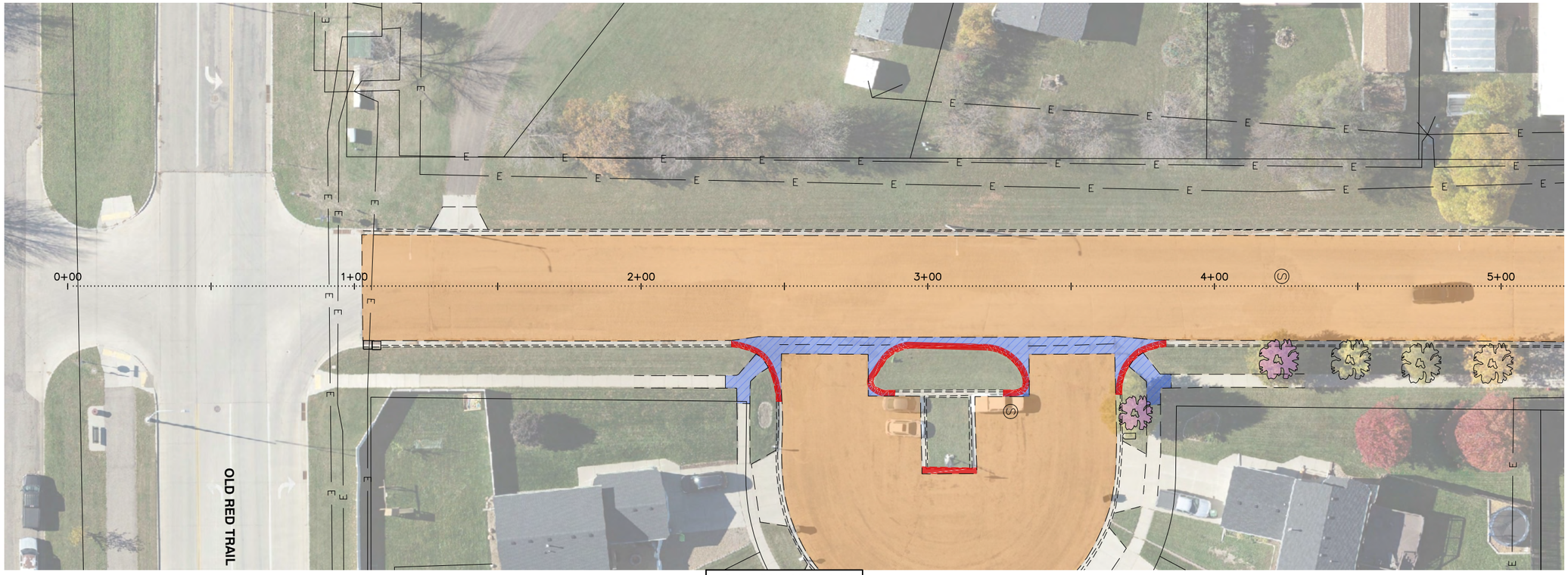
moore engineering, inc.

REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
CORTEZ CIRCLE - STA 8+50 - 15+00

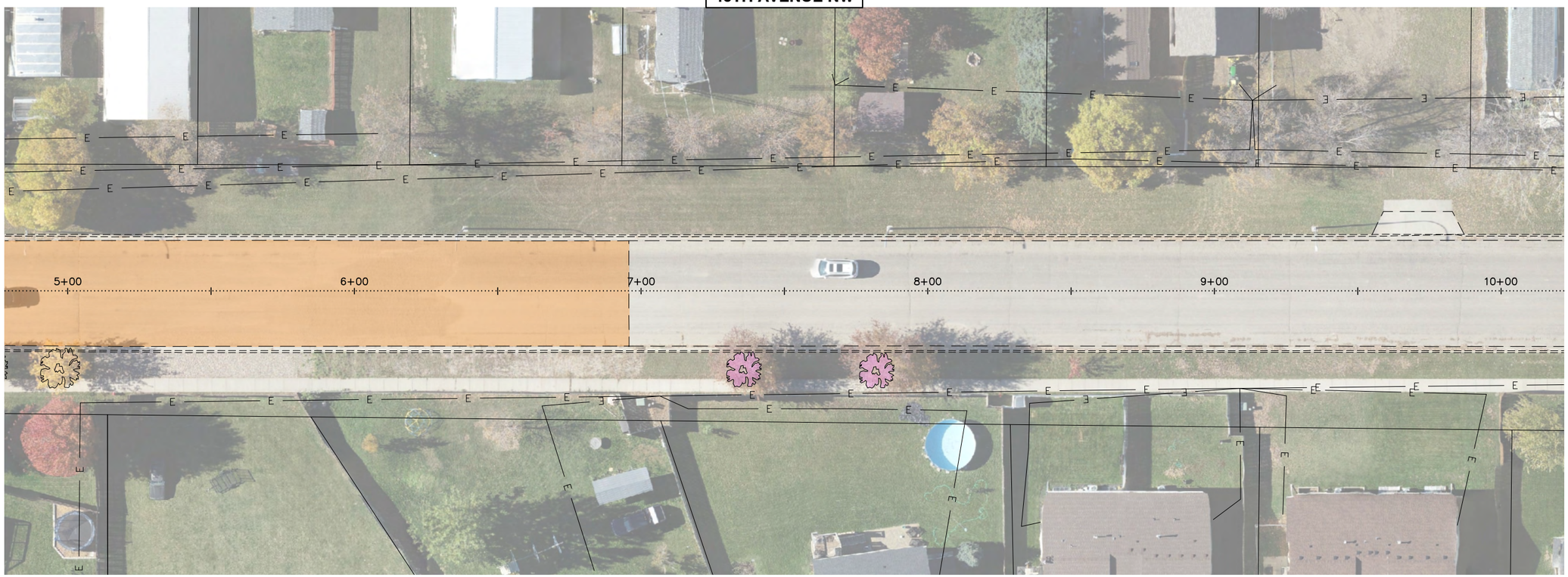
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-306

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg



40TH AVENUE NW



PRELIMINARY

W S N E

0 40
Scale in Feet

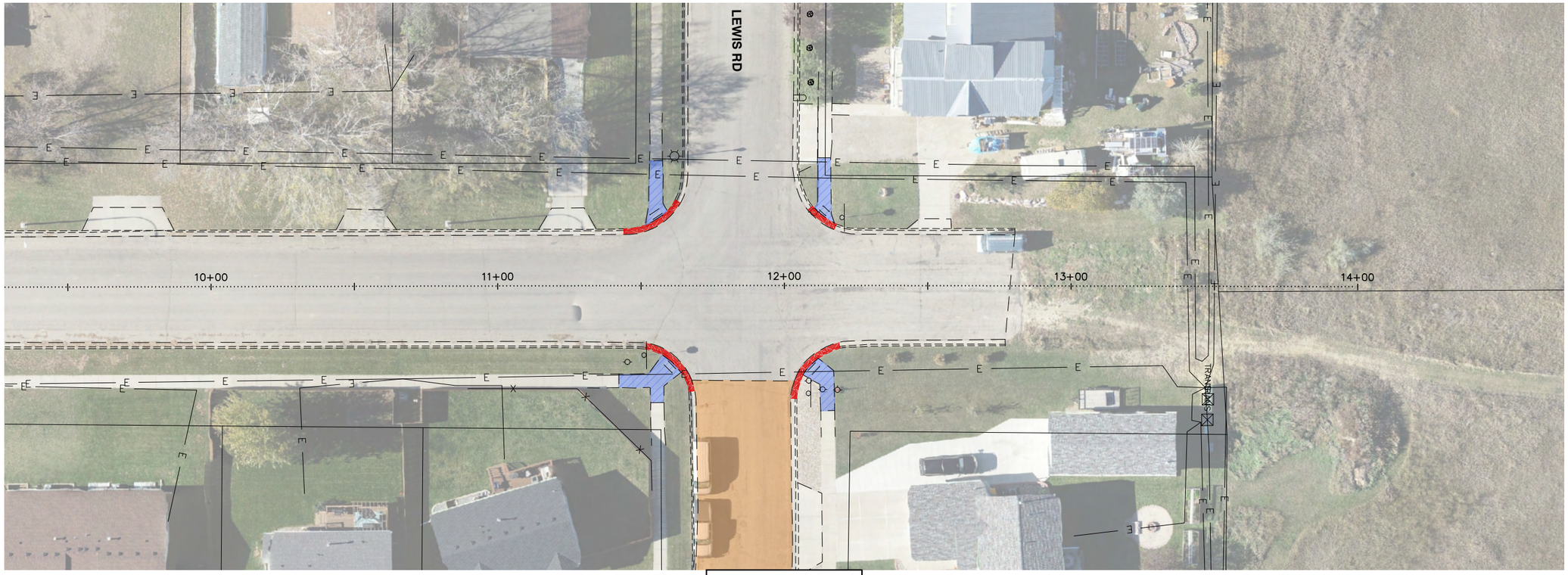
moore engineering, inc.

REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
40TH AVENUE NW - STA 0+00 - 10+00

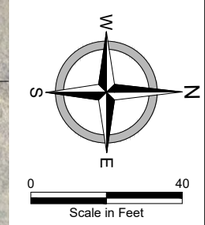
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

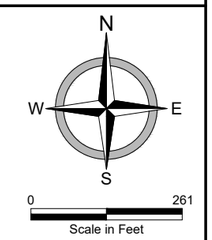
C-307

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg



PRELIMINARY





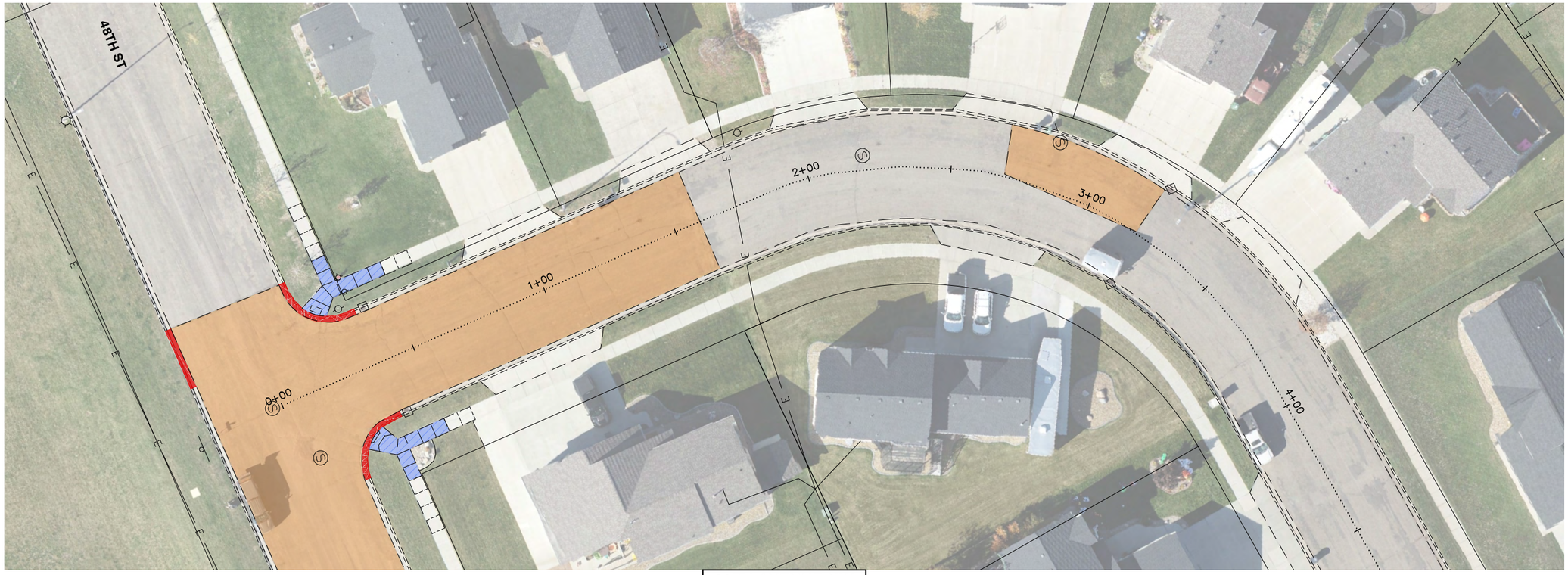
moore engineering, inc.

REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
40TH AVENUE NW - STA 10+00 - 14+00

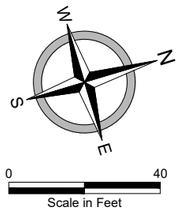
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-308

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan\2026StreetProject\Area3A\CAD\C3D\Production\30711-Removals-Avenues.dwg

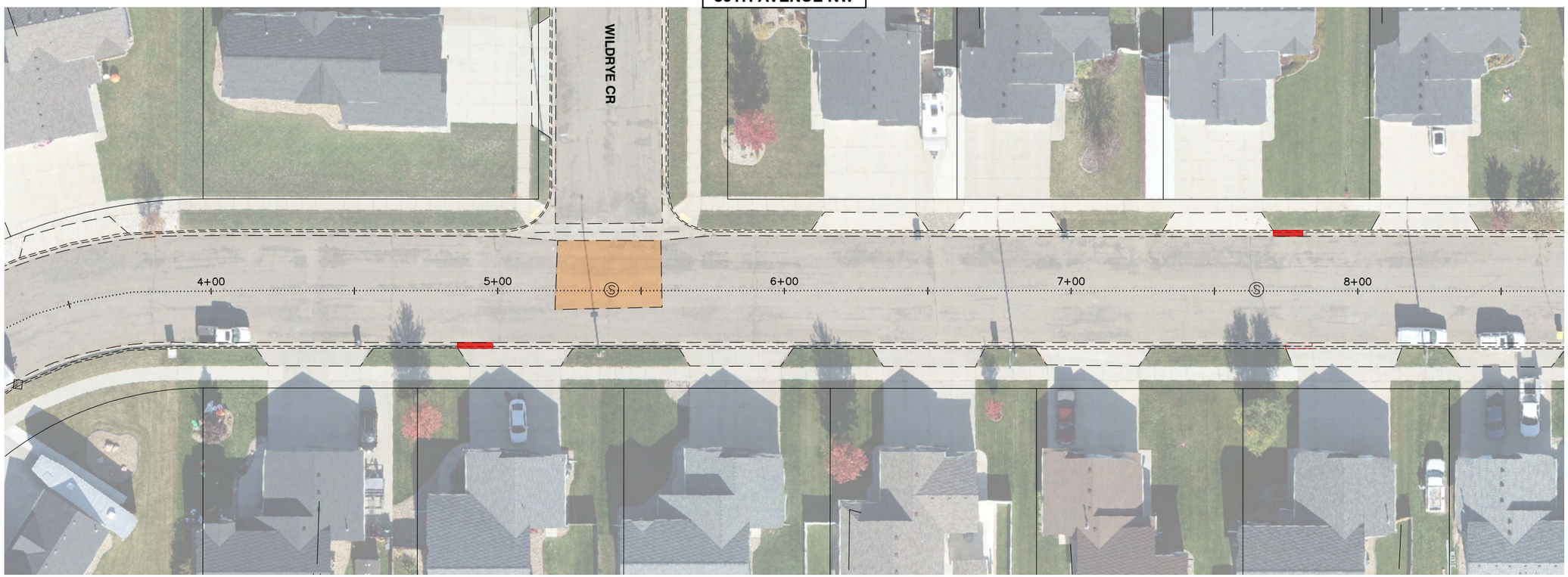


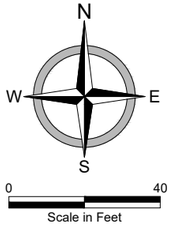
PRELIMINARY



moore engineering, inc.

39TH AVENUE NW





REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
39TH AVENUE NW - STA 0+00 - 10+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-309

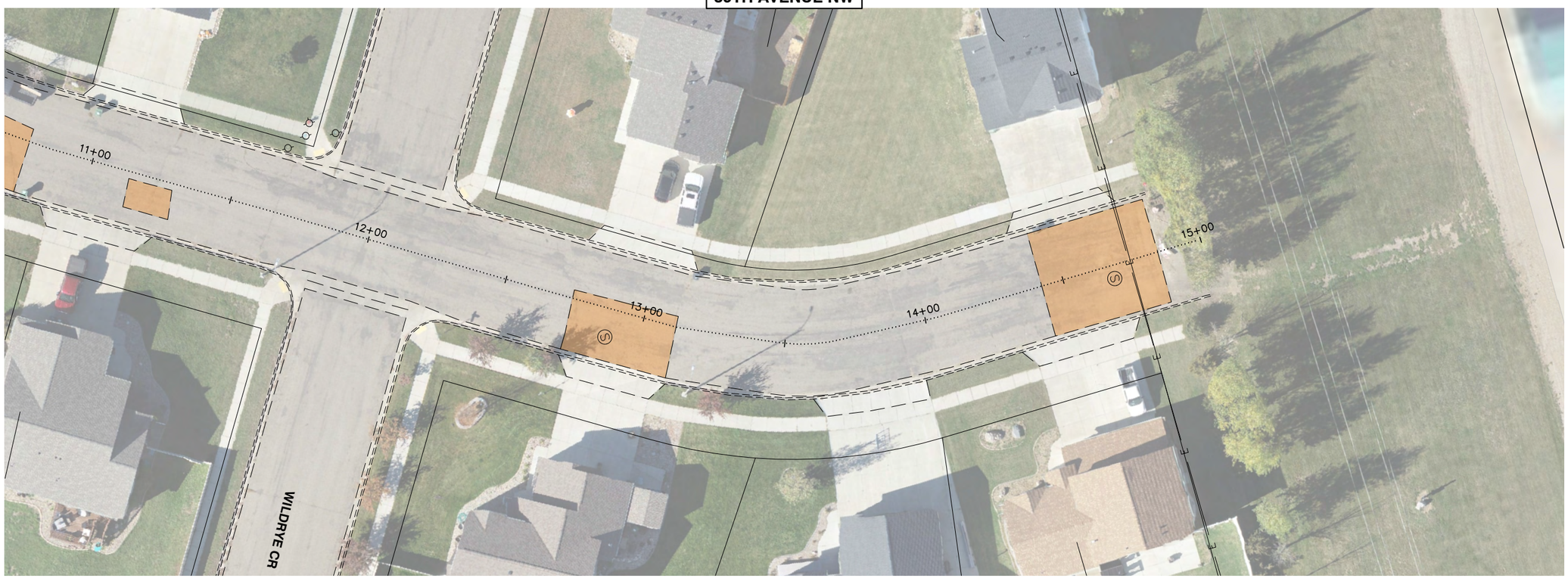
FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg

PRELIMINARY

N
W
E
S
0
40
Scale in Feet

moore engineering, inc.

39TH AVENUE NW



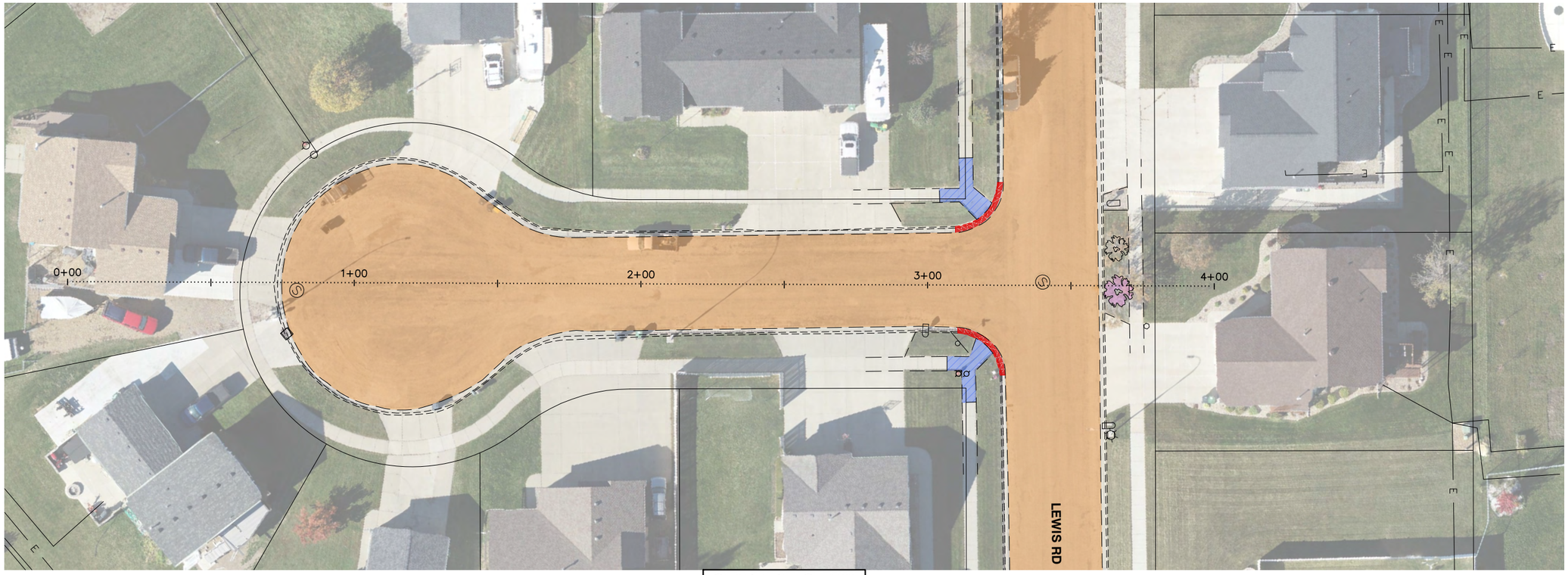
N
W
E
S
0
40
Scale in Feet

REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
39TH AVENUE NW - STA 0+00 - 10+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-309

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg



CLARK PLACE NW

PRELIMINARY

N
W
E
S
0
40
Scale in Feet

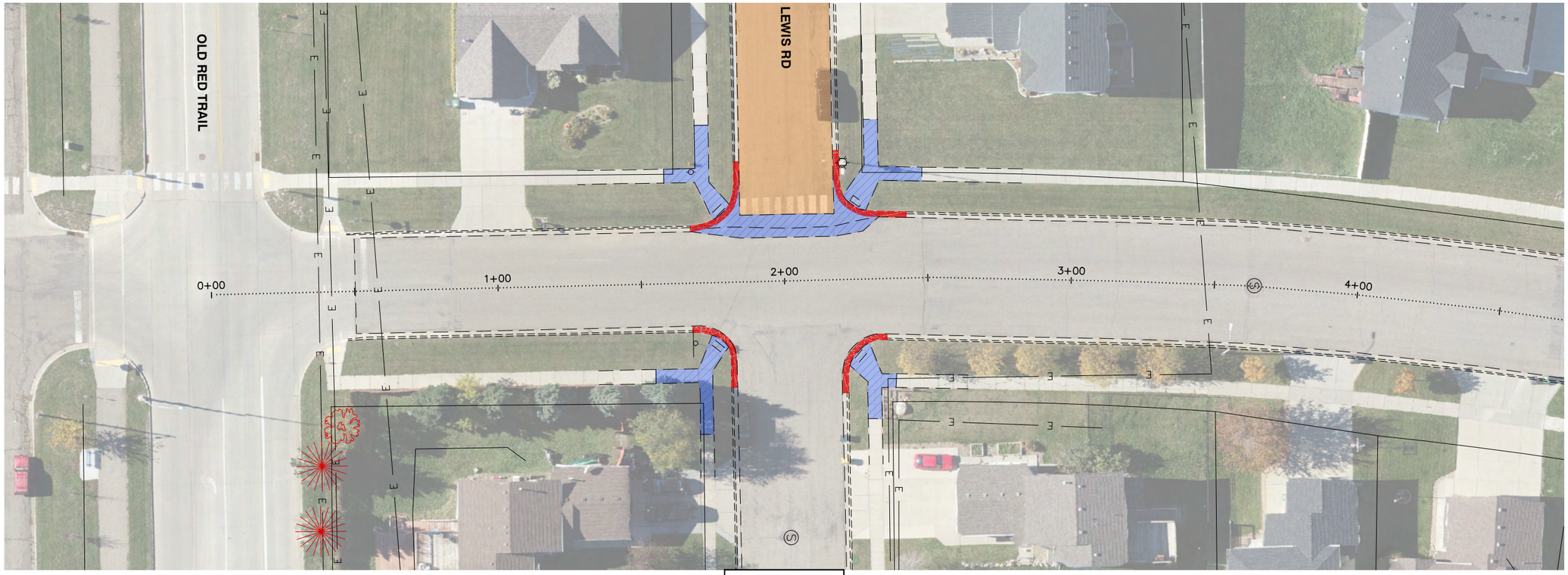
moore engineering, inc.

REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
CLARK PLACE NW - STA 0+00 - 3+00

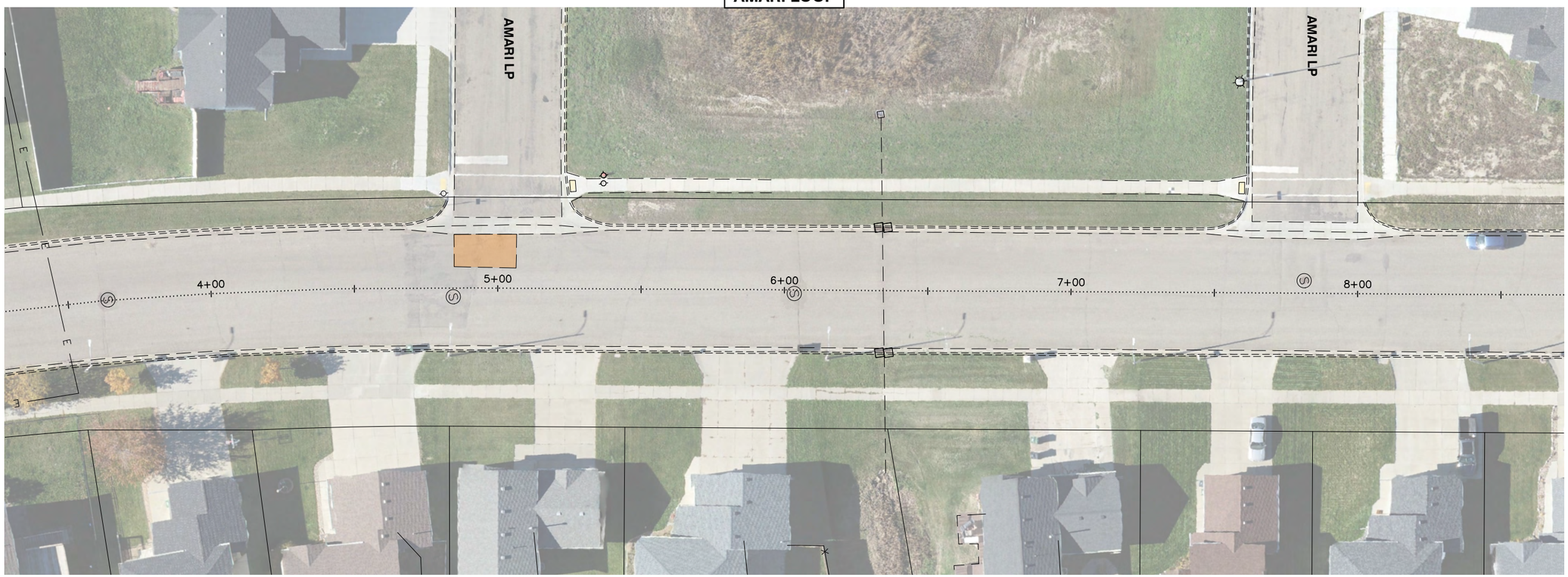
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-311

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg



AMARI LOOP



PRELIMINARY

N S E W

0 40
Scale in Feet

moore engineering, inc.

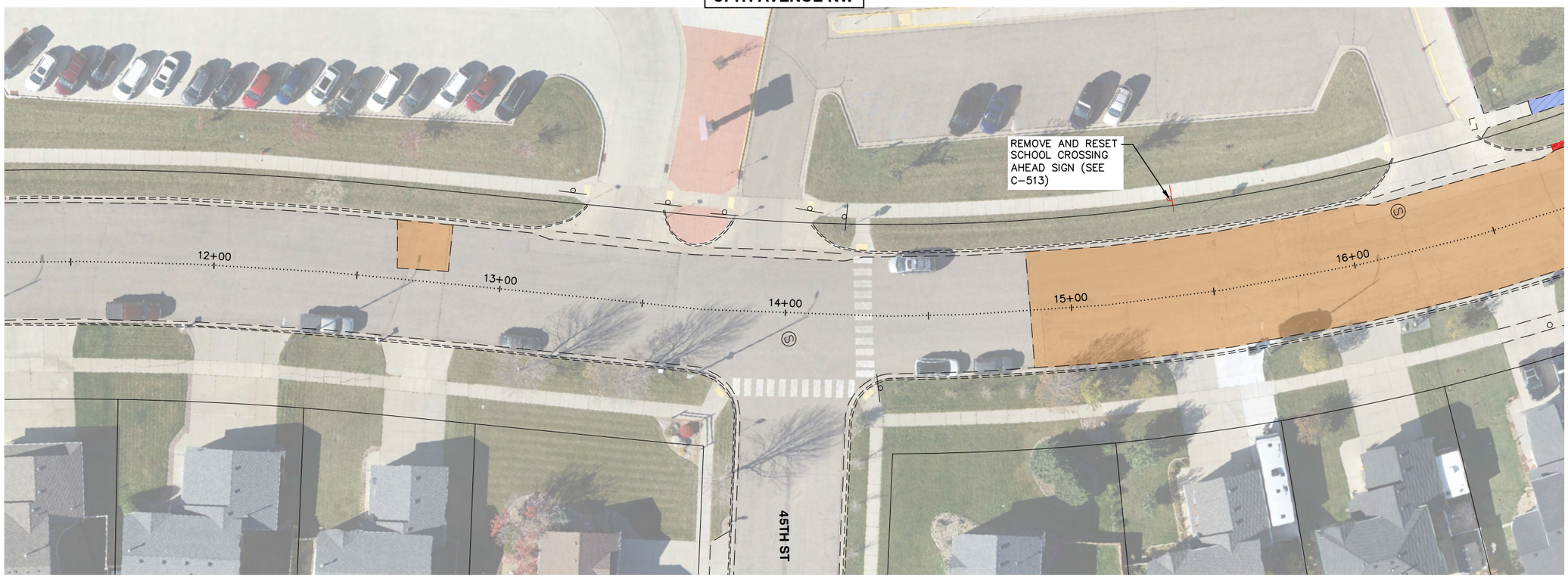
REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
37TH AVENUE NW - STA 0+00 - 8+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-312

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg

37TH AVENUE NW



PRELIMINARY

N
W
E
S

0 40
Scale in Feet

moore engineering, inc.

REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
37TH AVENUE NW - STA 12+00 - 21+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-313

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg

48TH STREET NW

PRELIMINARY

N W E S

0 40
Scale in Feet

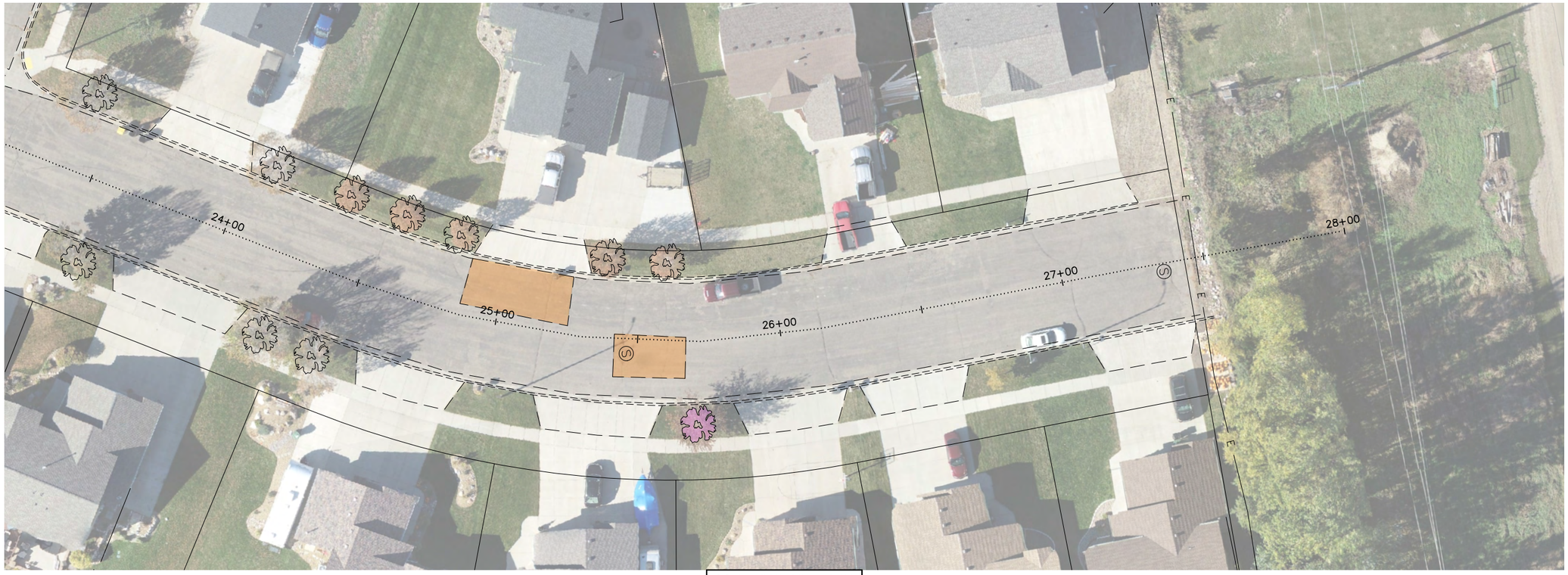
moore engineering, inc.

REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
37TH AVENUE NW - STA 16+00 - 24+00

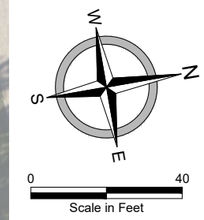
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-314

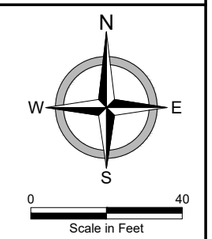
FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg



PRELIMINARY



moore engineering, inc.



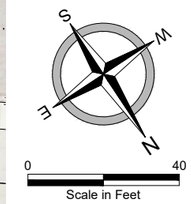
REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
37TH AVENUE NW - STA 20+00 - 28+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-315

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg

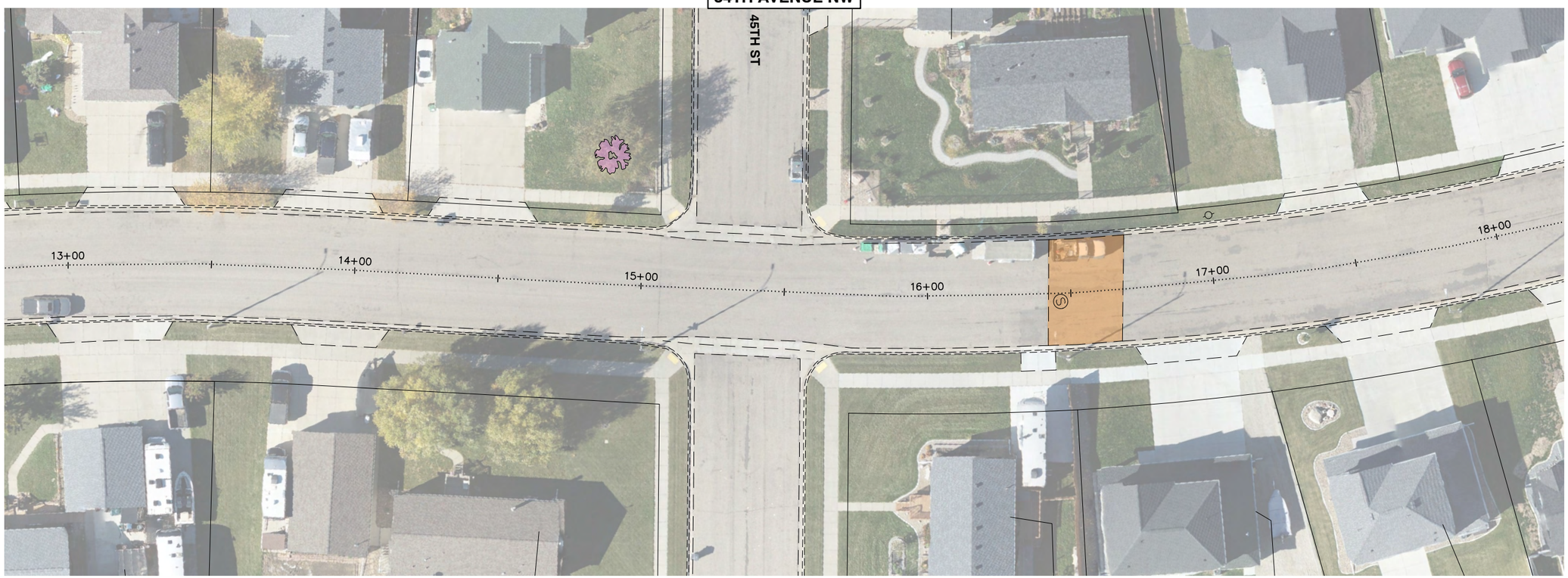
PRELIMINARY

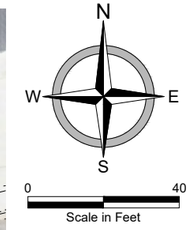


moore engineering, inc.

34TH AVENUE NW

45TH ST



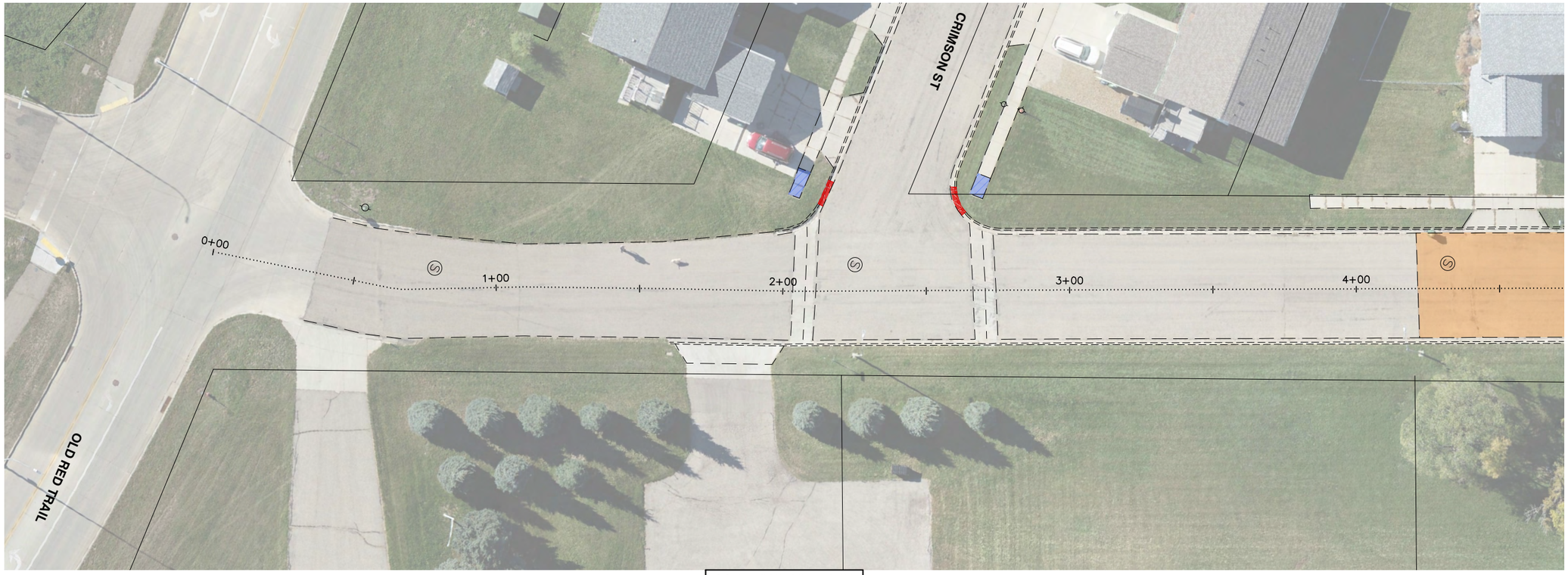


REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
34TH AVENUE NW - STA 8+00 - 18+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-316

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg



PRELIMINARY

W
S
N
E
0
40
Scale in Feet

moore engineering, inc.

30TH AVENUE NW

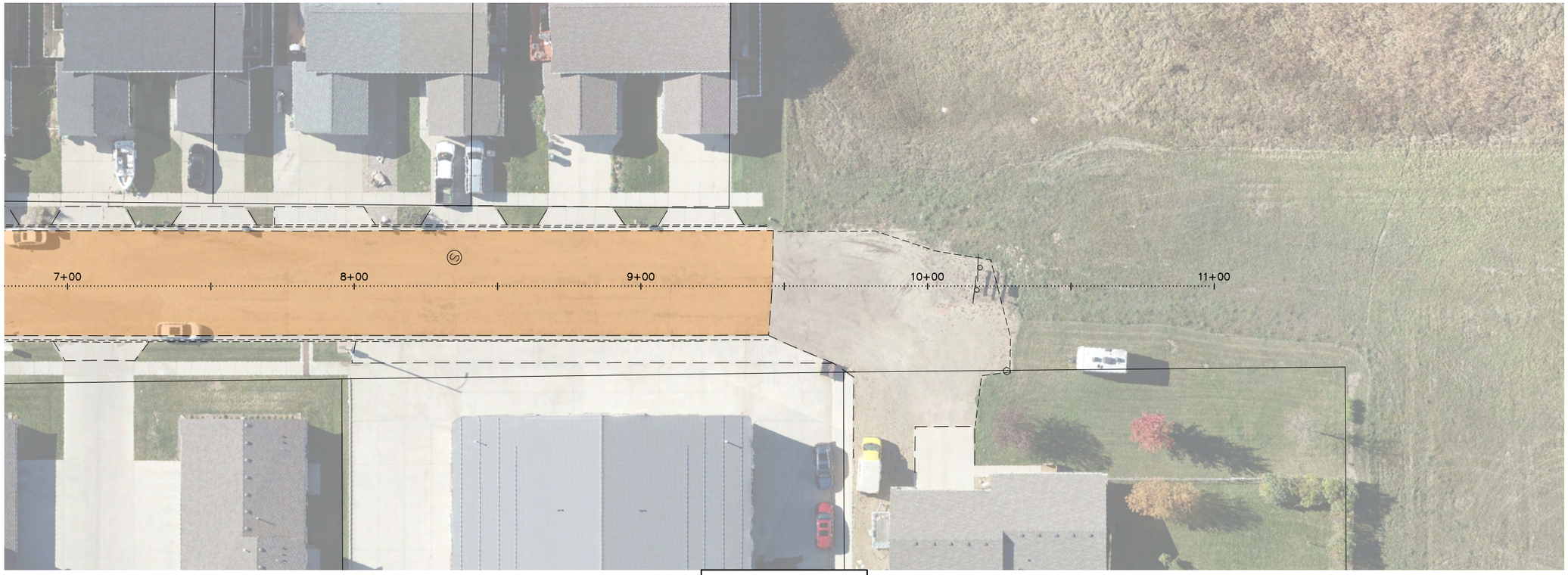
W
S
N
E
0
40
Scale in Feet

REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
30TH AVENUE NW - STA 0+00 - 8+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

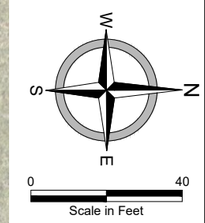
C-317

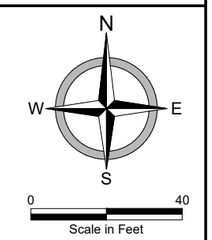
FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Avenues.dwg



30TH AVENUE NW

PRELIMINARY





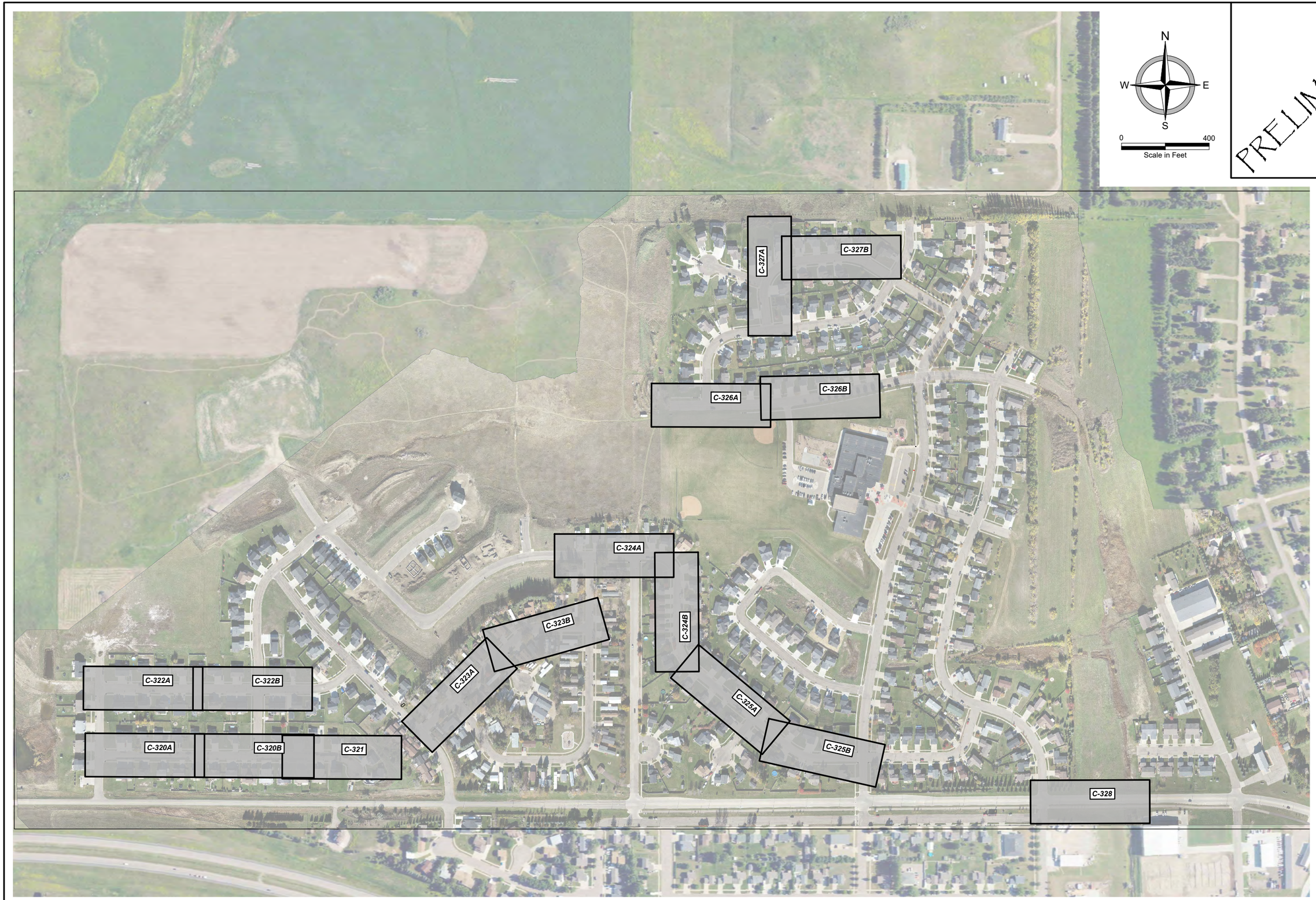
moore engineering, inc.

REMOVALS - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
30TH AVENUE NW - STA 8+00 - 11+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-318

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Streets.dwg



PRELIMINARY

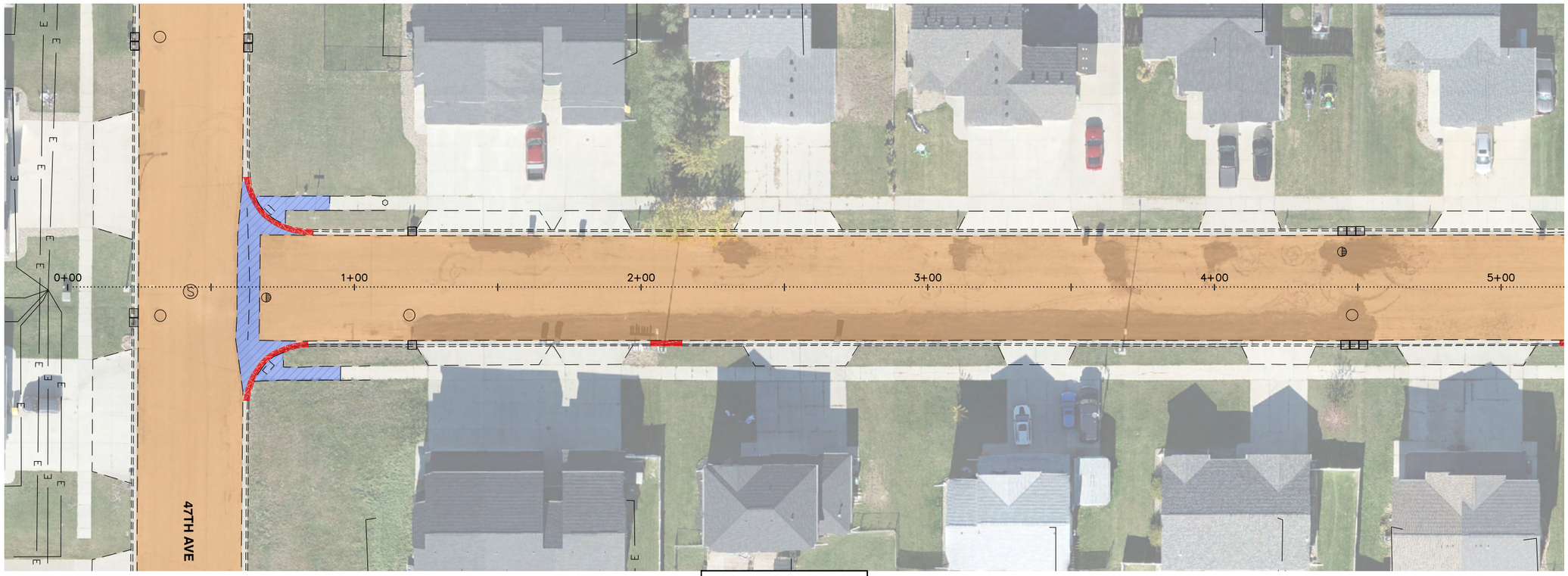
moore engineering, inc.

REMOVALS - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
SHEET INDEX - STREETS

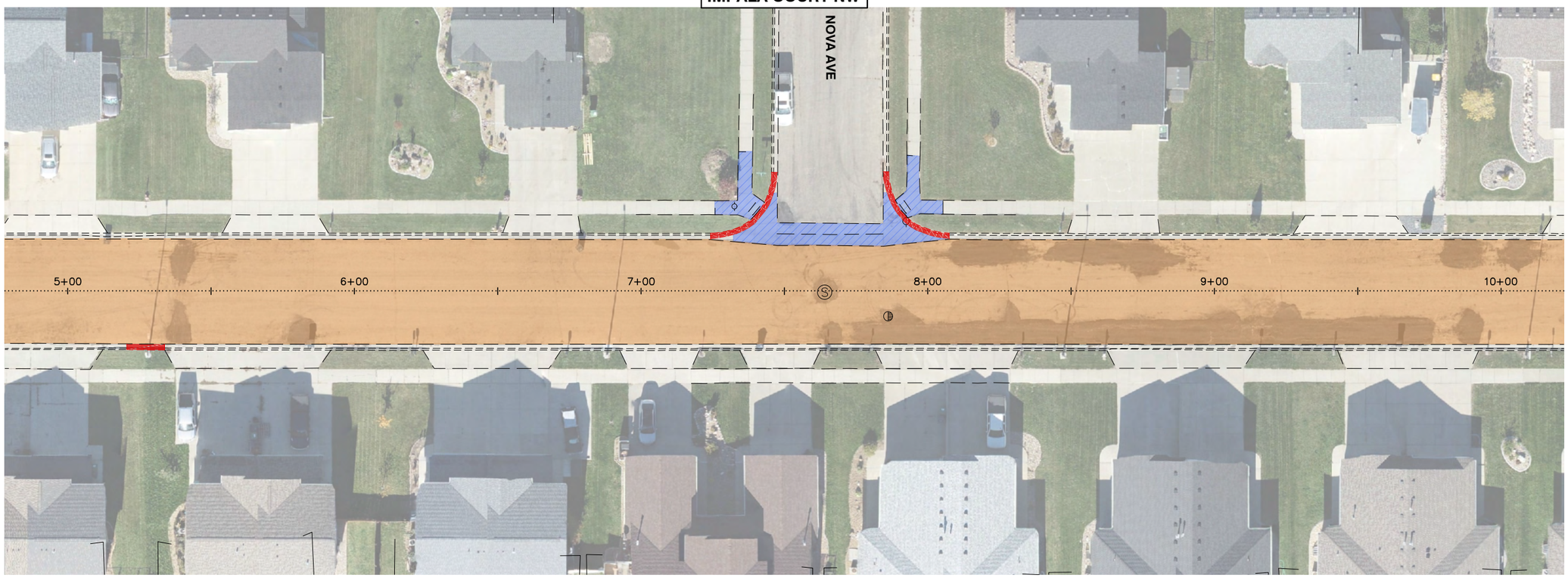
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-319

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Streets.dwg



IMPALA COURT NW



PRELIMINARY

N
W E
S
0 40
Scale in Feet

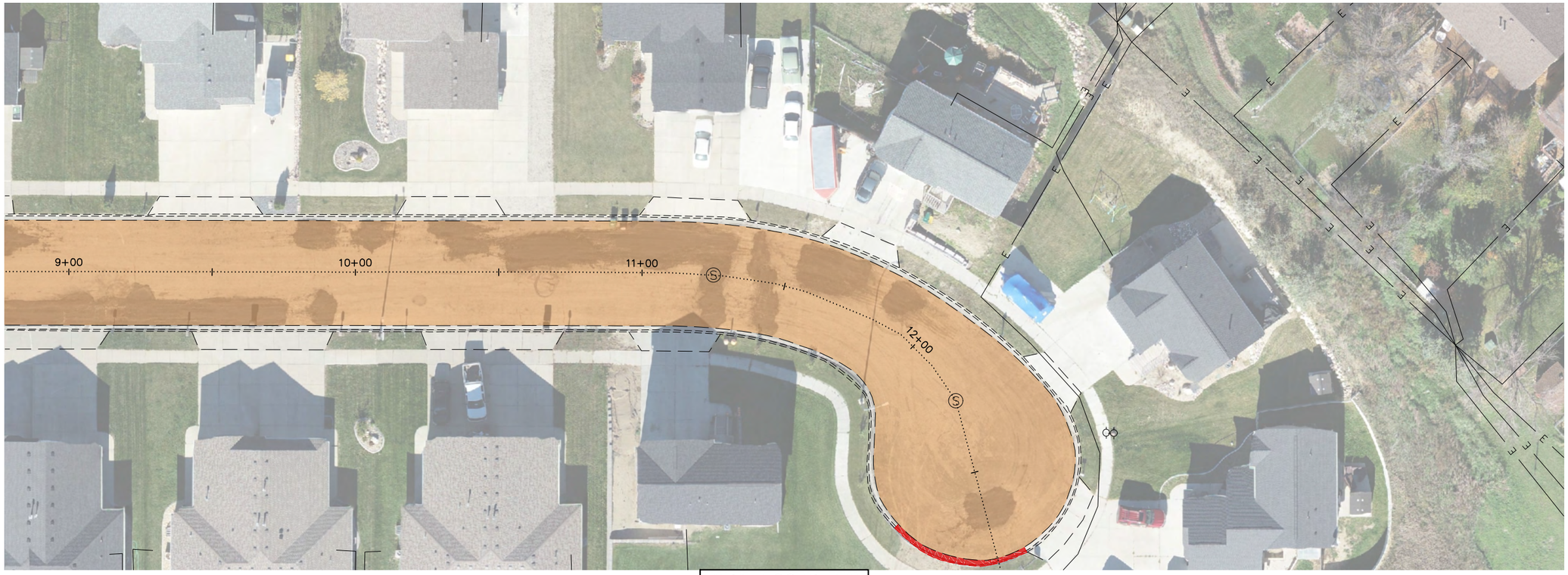
moore engineering, inc.

REMOVALS - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
IMPALA COURT NW - STA 0+00 - 10+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-320

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Streets.dwg



IMPALA COURT NW

PRELIMINARY

N
W E
S
0 40
Scale in Feet

moore engineering, inc.

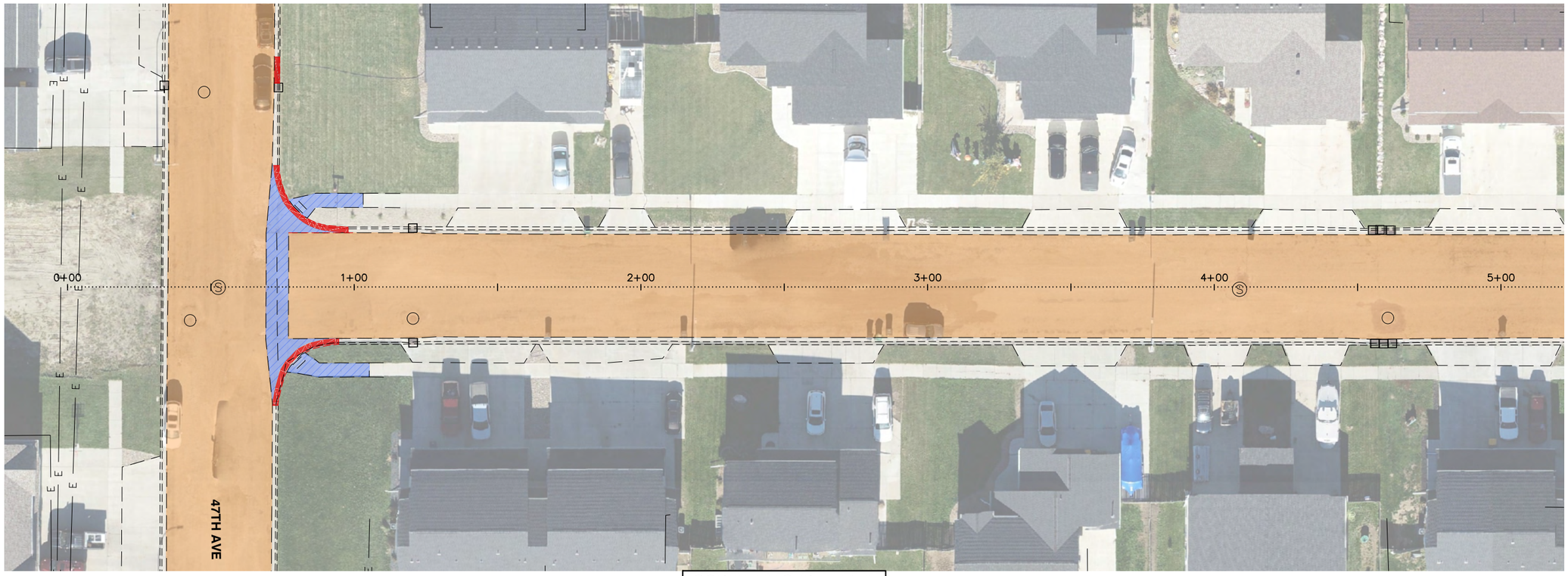
N
W E
S
0 40
Scale in Feet

REMOVALS - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
IMPALA COURT NW - STA 10+00 - 13+00

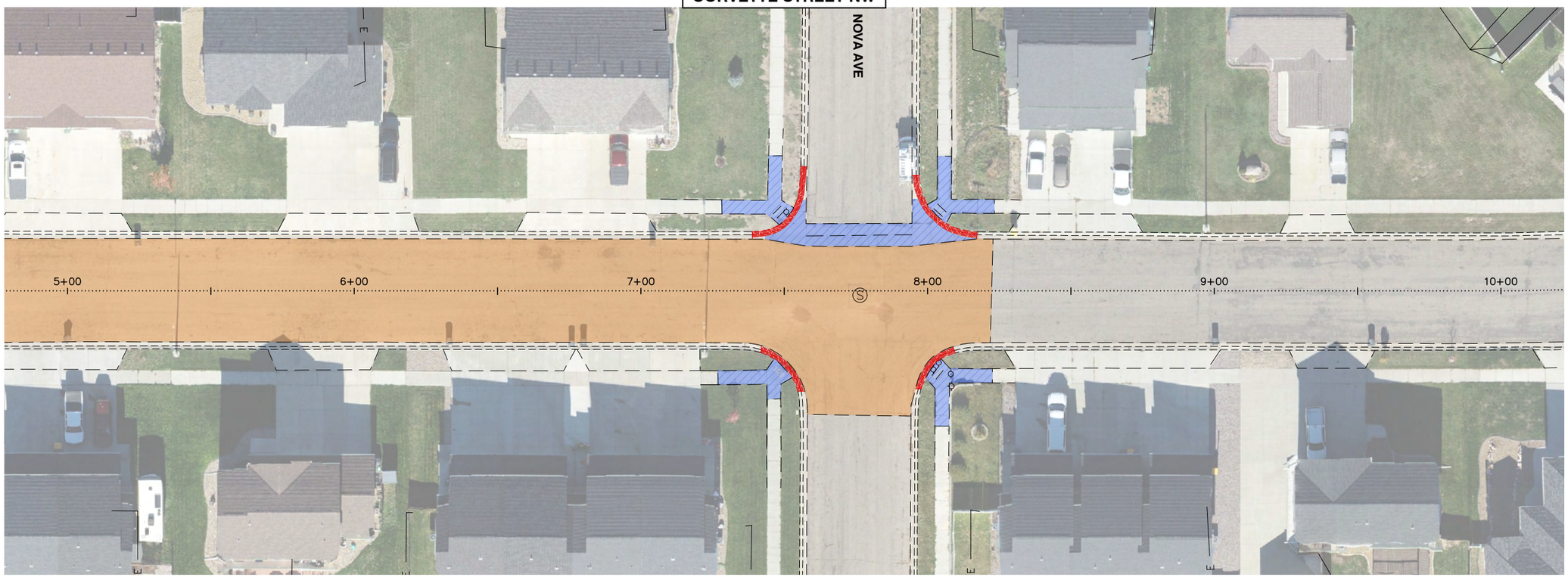
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-321

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Streets.dwg



CORVETTE STREET NW



PRELIMINARY

N
W E
S

0 40
Scale in Feet

moore engineering, inc.

REMOVALS - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
CORVETTE STREET NW - STA 0+00 - 10+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-322

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Streets.dwg

PRELIMINARY

moore engineering, inc.

REMOVALS - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
LASALLE DRIVE NW - STA 0+00 - 10+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-323

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Streets.dwg

PRELIMINARY

N E S W

0 40
Scale in Feet

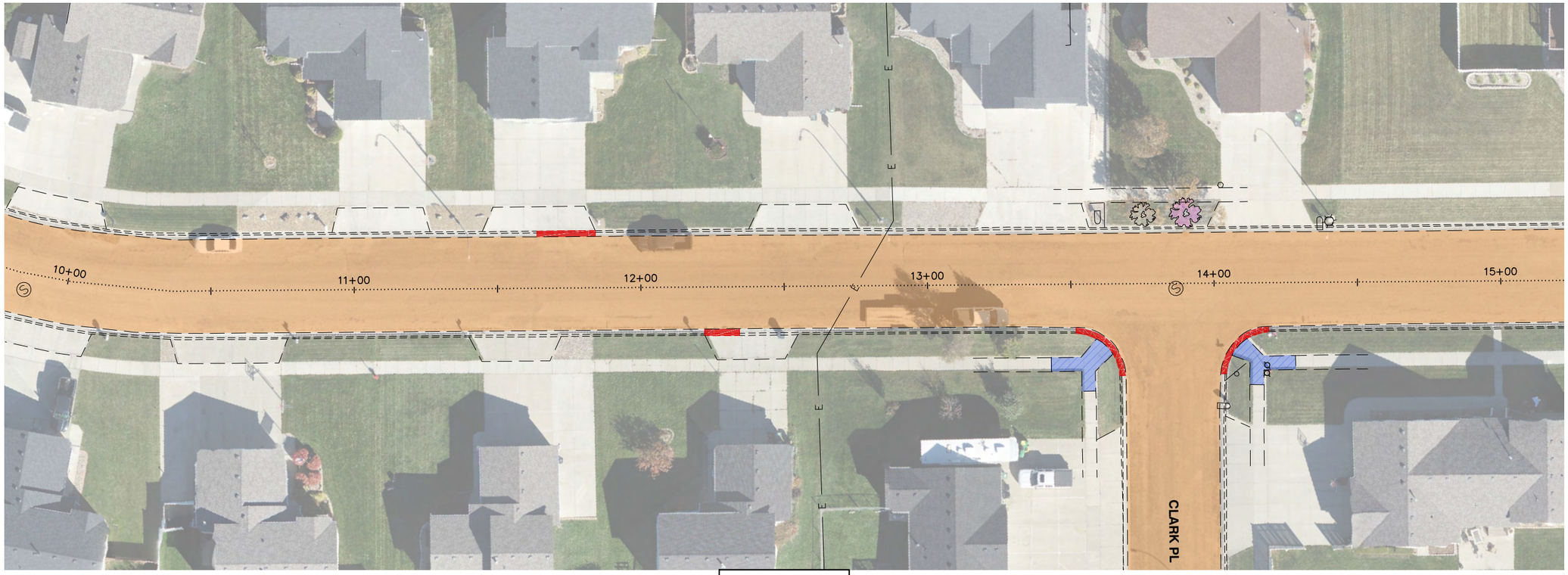
moore engineering, inc.

REMOVALS - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
LEWIS ROAD - STA 0+00 - 10+00

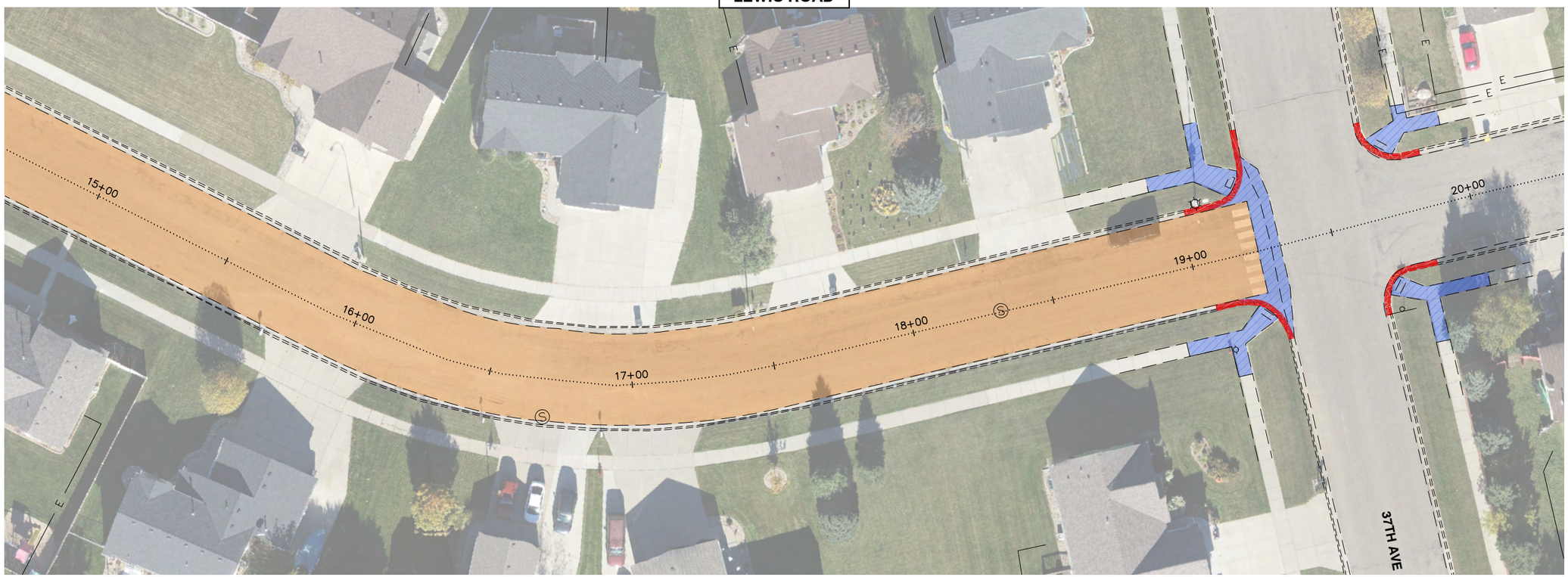
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-324

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Streets.dwg



LEWIS ROAD



PRELIMINARY

N
W E
S

0 40
Scale in Feet

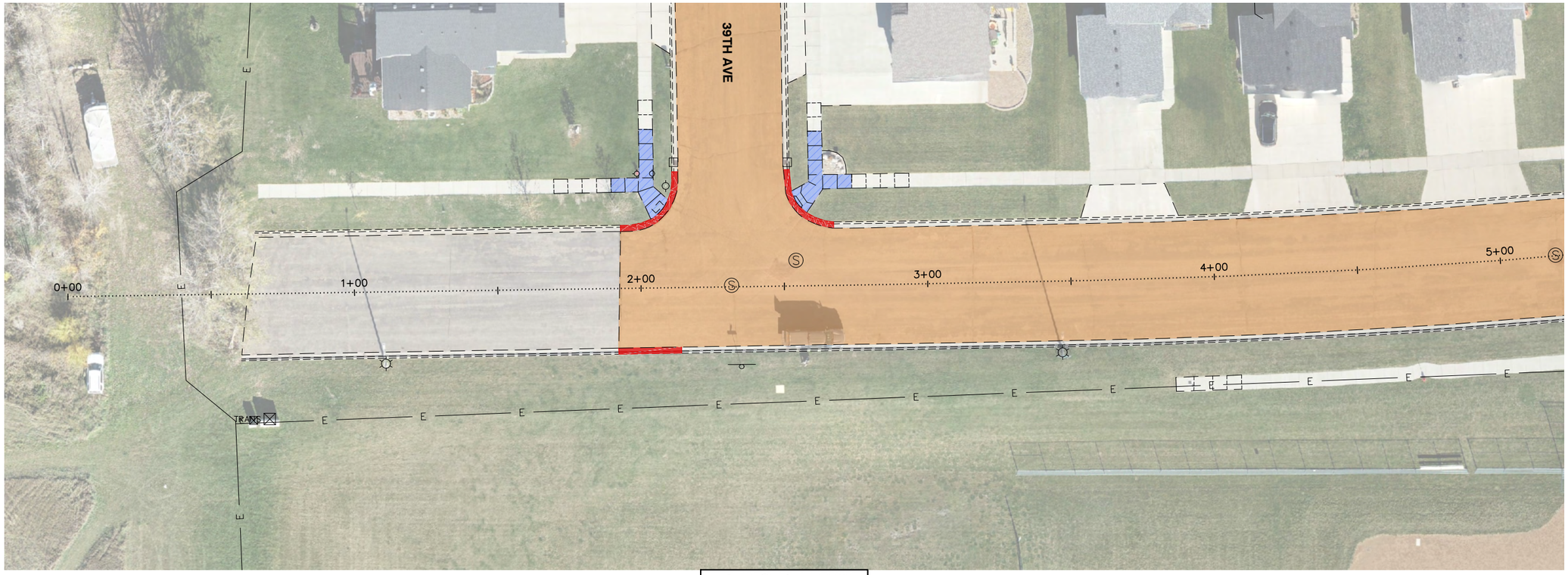
moore engineering, inc.

REMOVALS - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
LEWIS ROAD - STA 10+00 - 20+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-325

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Streets.dwg



48TH STREET NW

PRELIMINARY

N
W E
S

0 40
Scale in Feet

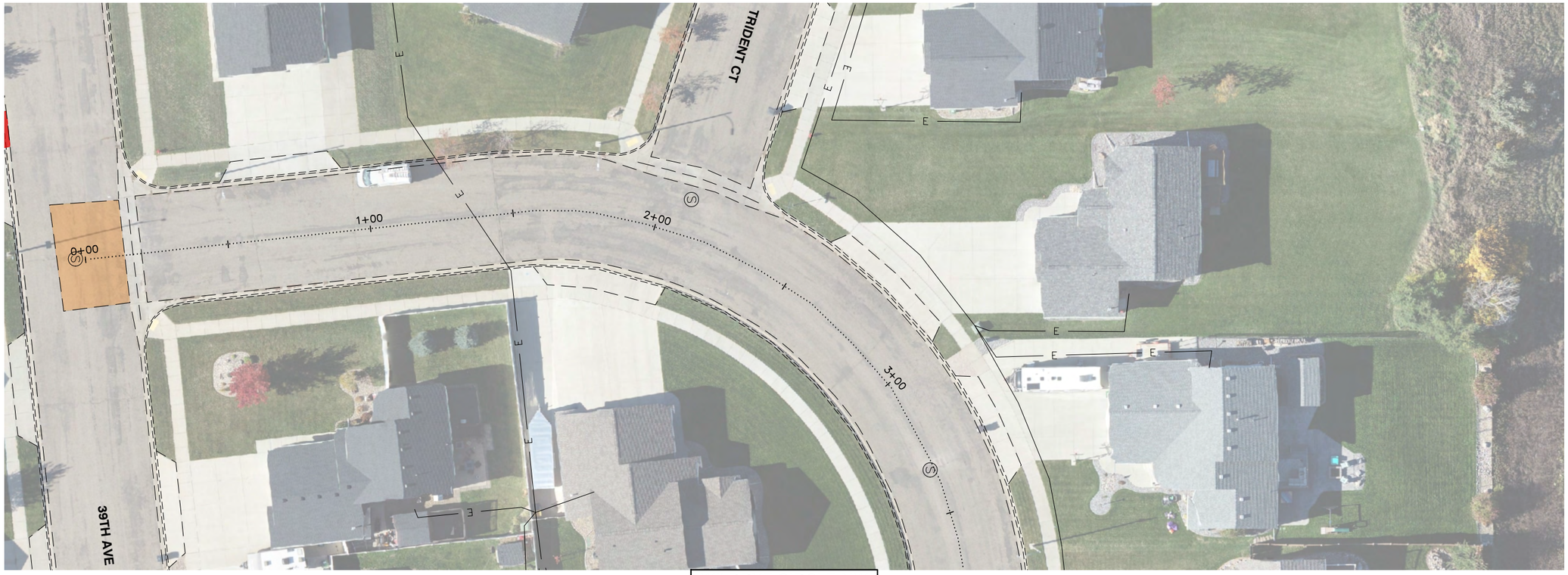
moore engineering, inc.

REMOVALS - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
48TH STREET NW - STA 0+00 - 10+00

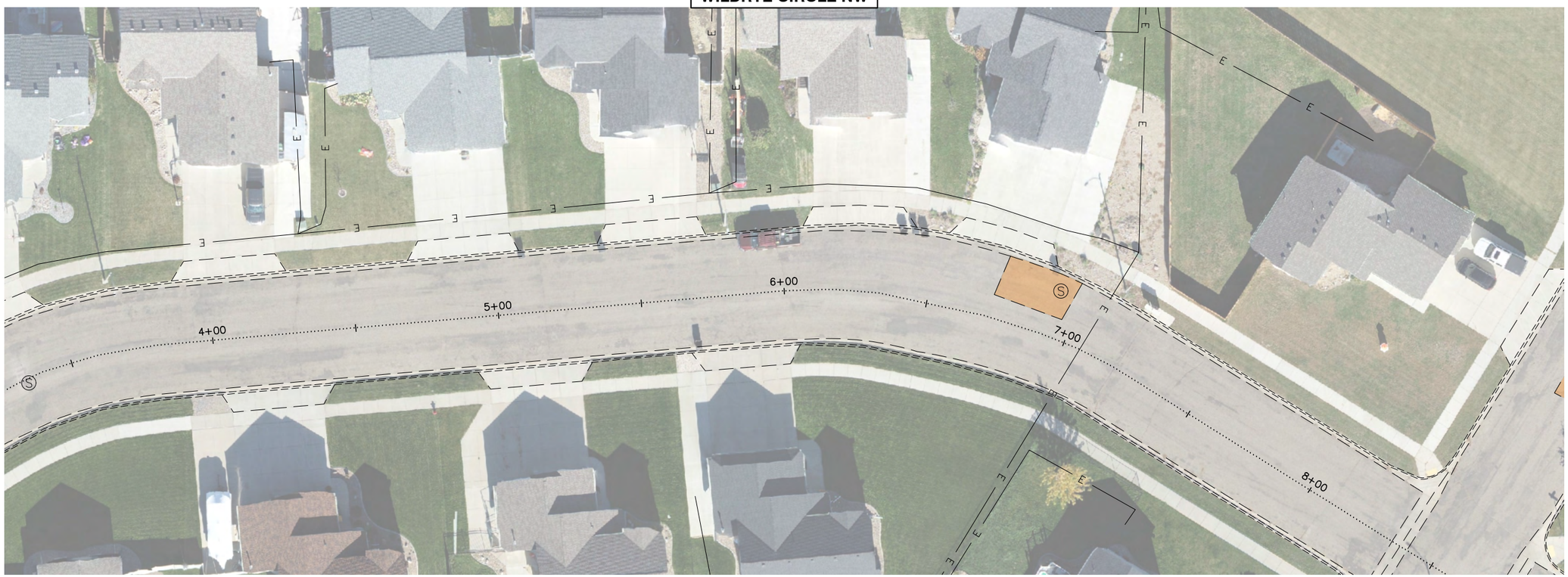
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-326

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Streets.dwg



WILDRYE CIRCLE NW



PRELIMINARY

N
W
E
S

0 40
Scale in Feet

moore engineering, inc.

REMOVALS - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
WILDRYE CIRCLE NW - STA 0+00 - 8+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-328

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Removals-Streets.dwg

OLD RED TRAIL

PRELIMINARY

N
W
E
S

0 40
Scale in Feet

moore engineering, inc.

REMOVALS - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
OLD RED TRAIL - STA 44+00 - 49+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-329

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan\2026StreetProjectArea3A\CAD\C3D\Production\30711-Underground.dwg

PRELIMINARY

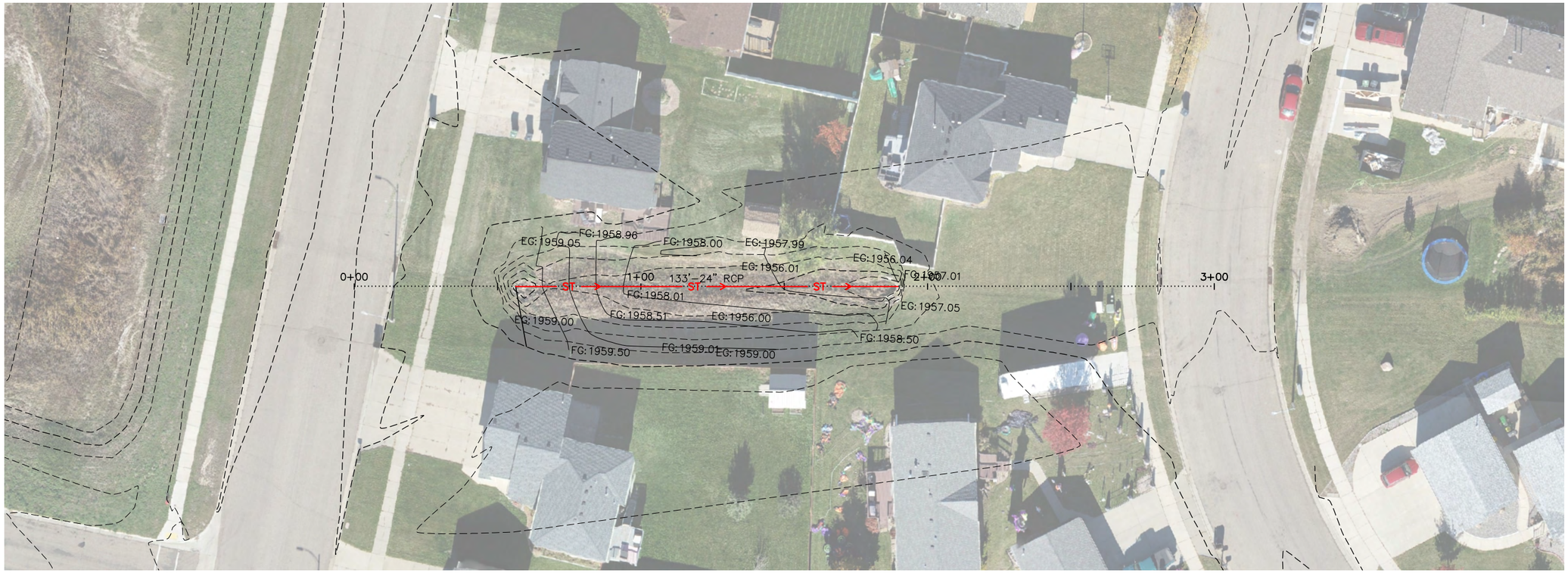
moore engineering, inc.

UNDERGROUND
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
SHEET INDEX

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-400

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan\2026StreetProjectArea3A\CAD\C3D\Production\30711-Underground.dwg

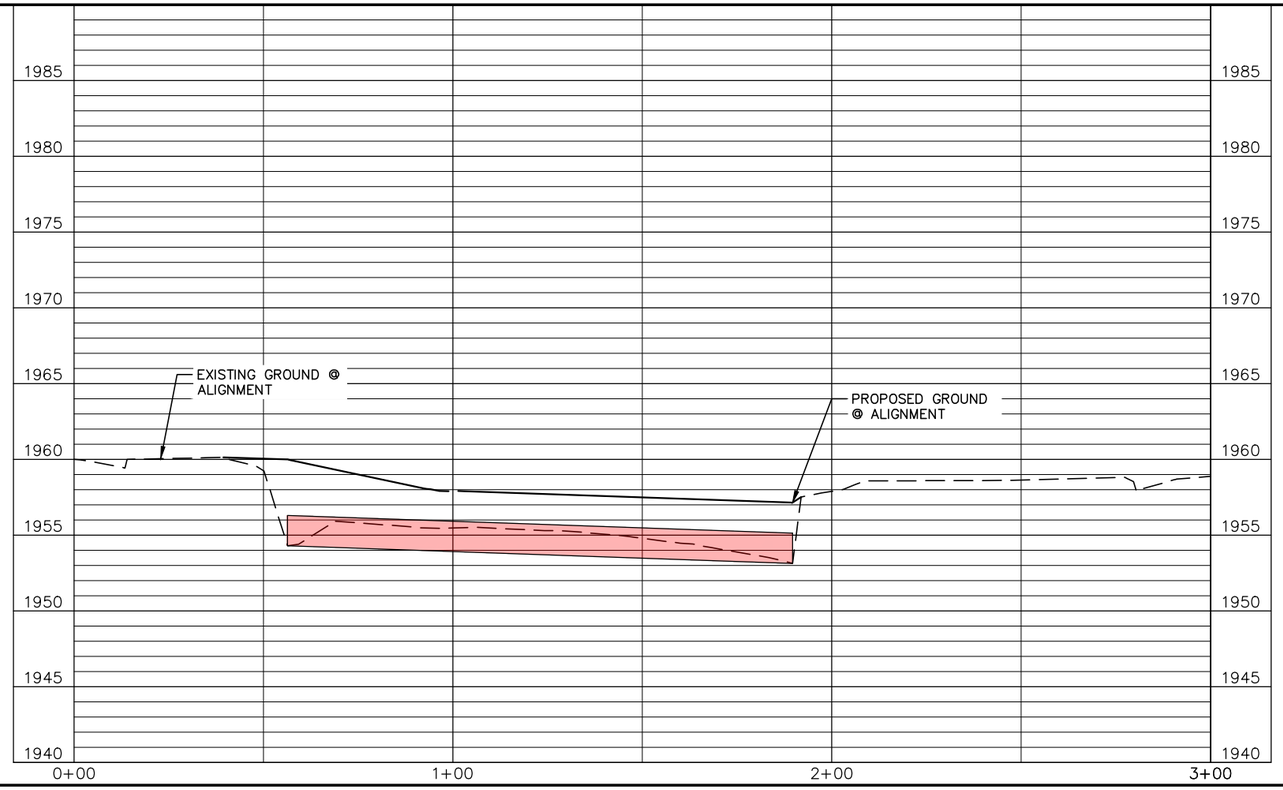


PRELIMINARY

N
W
E
S

0 40
Scale in Feet

moore engineering, inc.



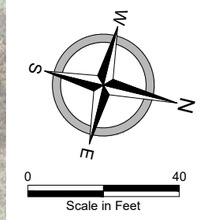
UNDERGROUND
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
37TH STREET STORM WATER

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

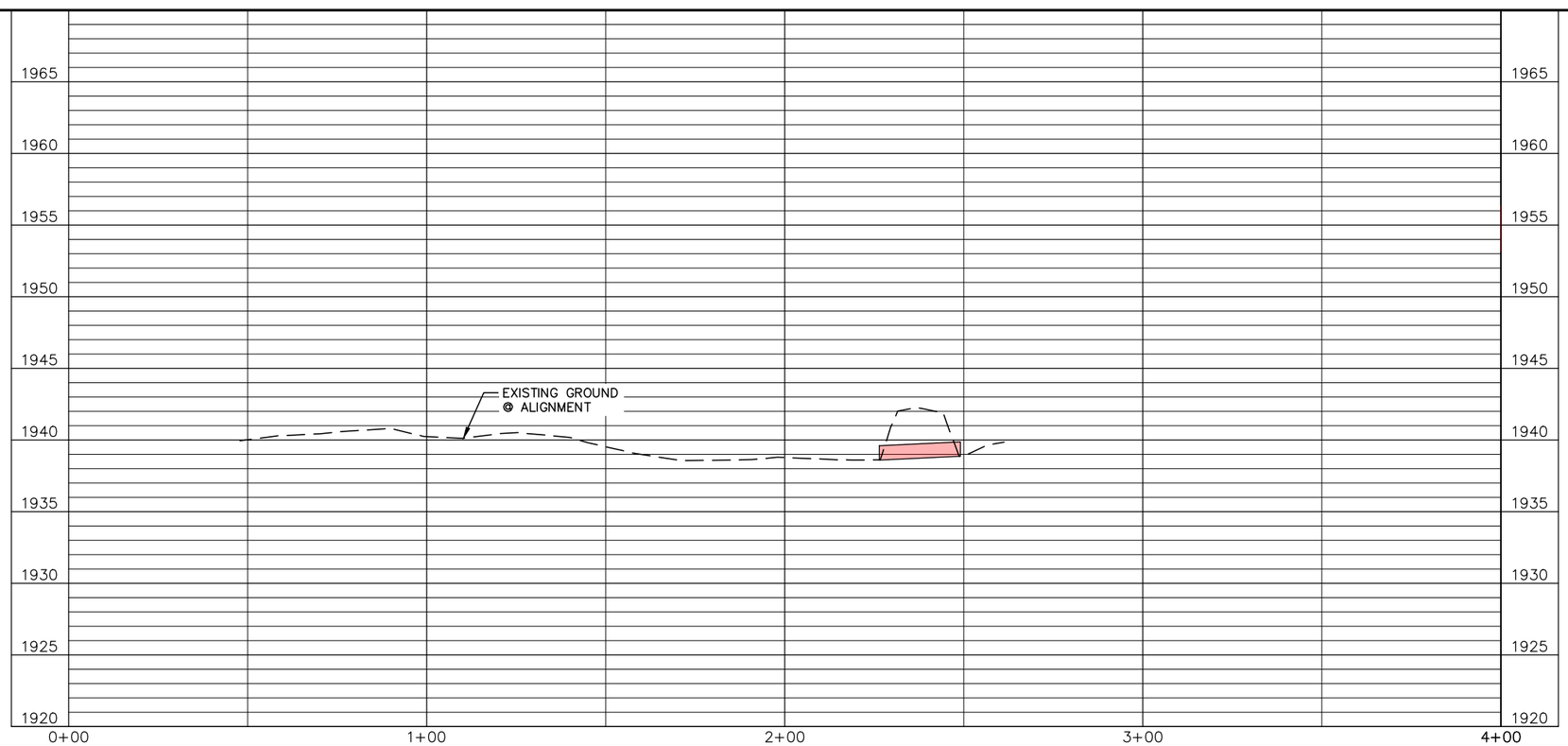
C-401

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan\2026StreetProjectArea3A\CAD\C3D\Production\30711-Underground.dwg

PRELIMINARY



moore engineering, inc.

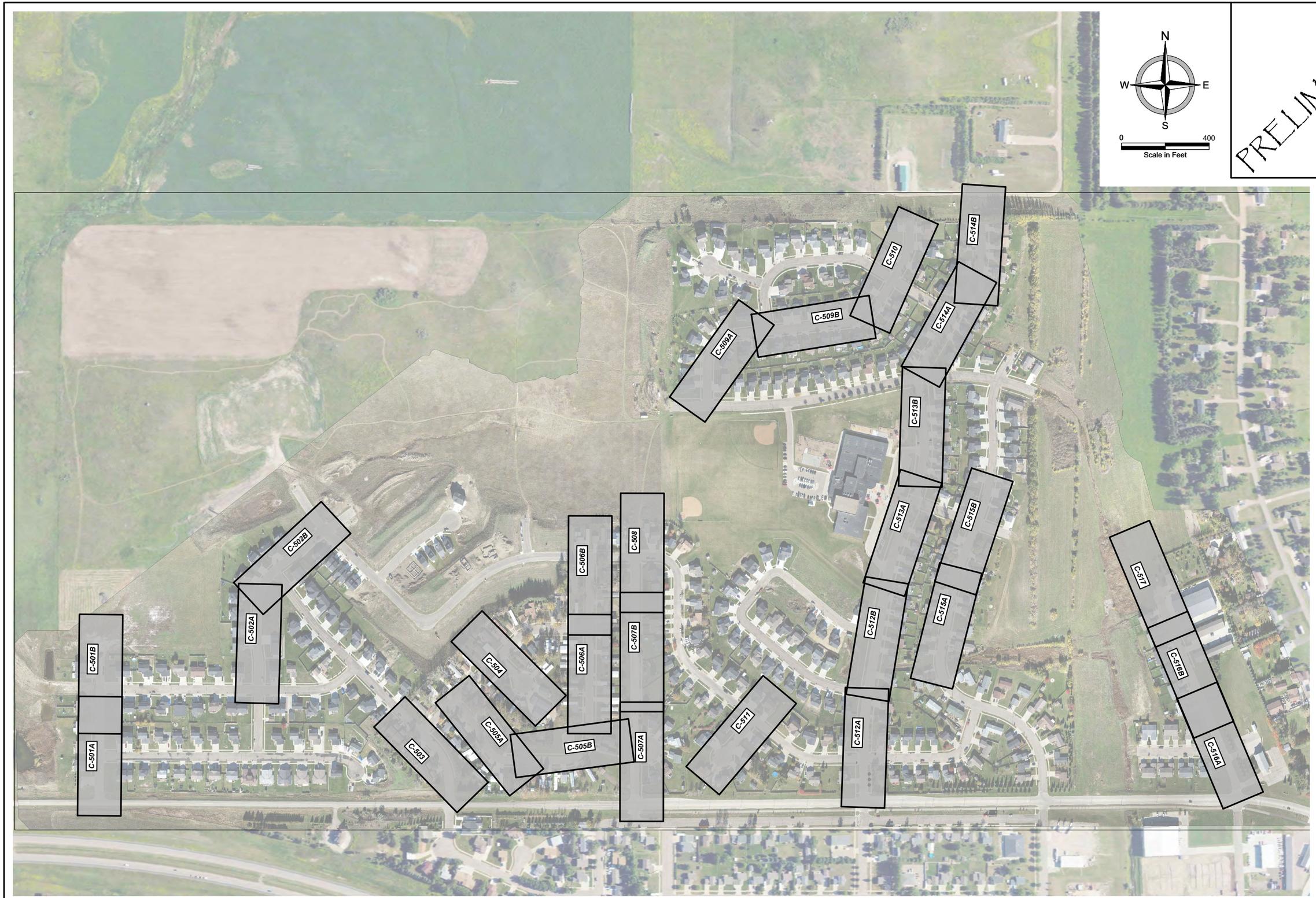


UNDERGROUND
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
CRIMSION STREET STORM WATER

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-402

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg



PRELIMINARY

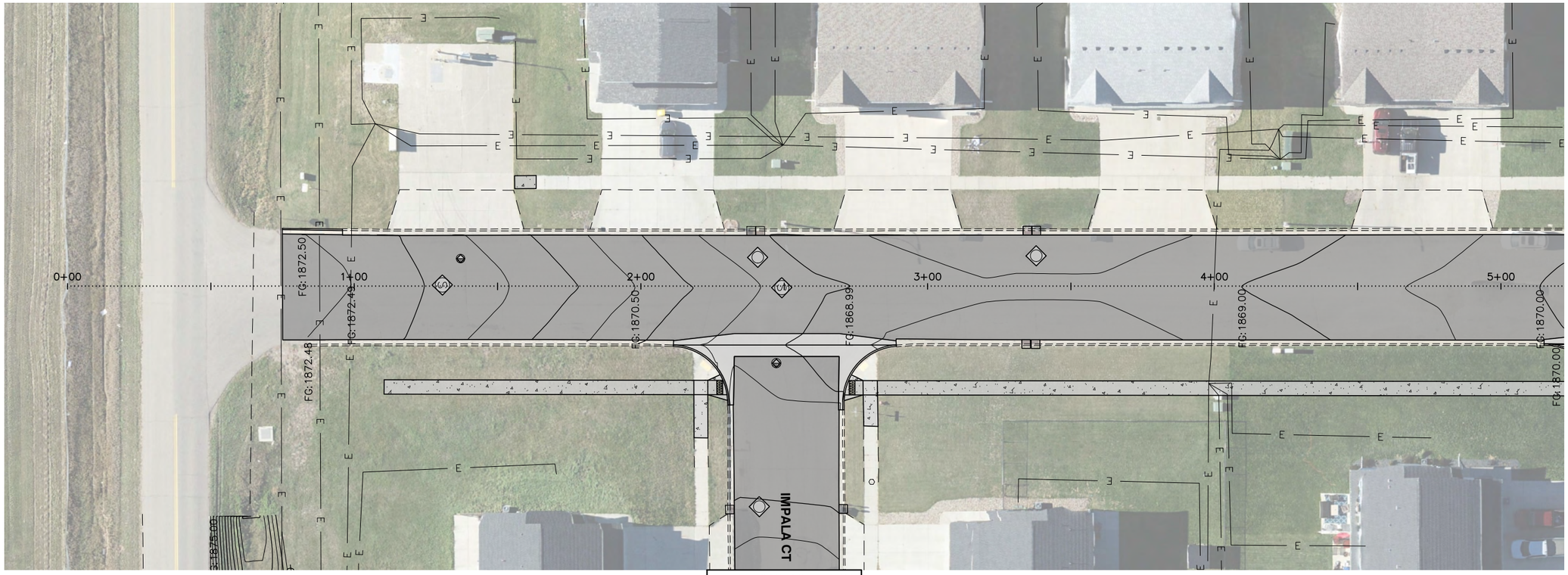
moore engineering, inc.

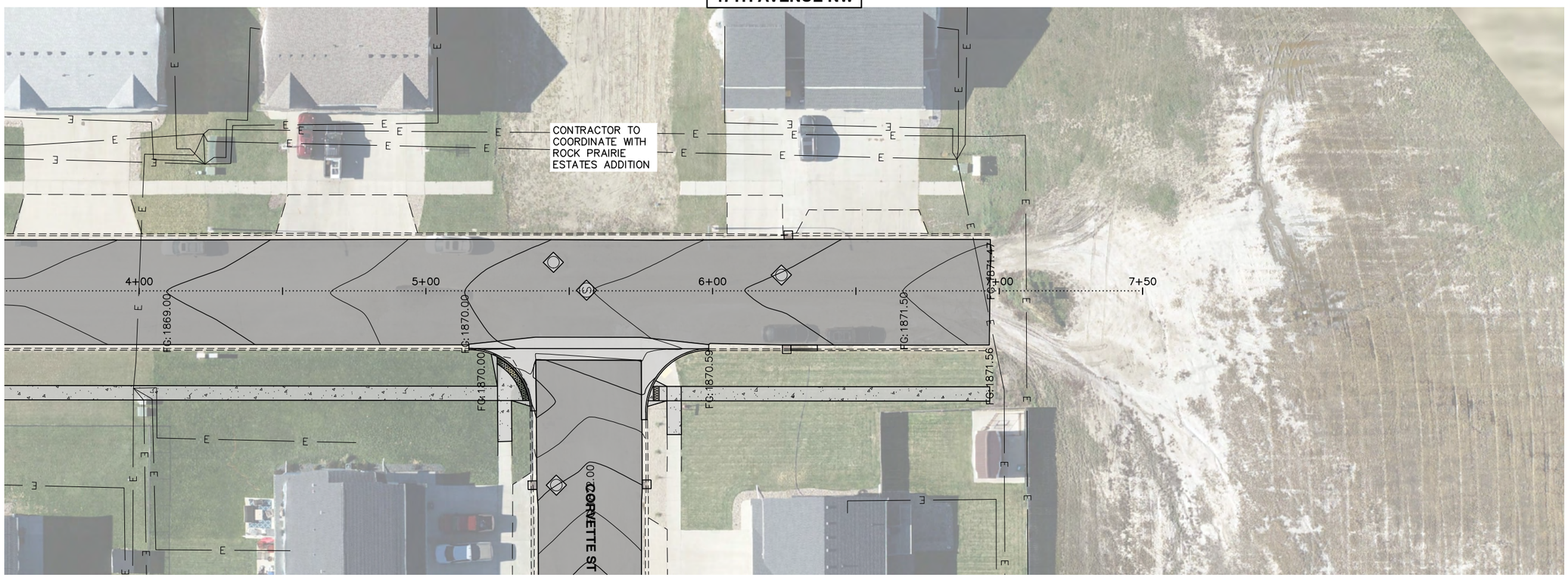
ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
SHEET INDEX - AVENUES

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-500

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg





PRELIMINARY

W S N E

0 40
Scale in Feet

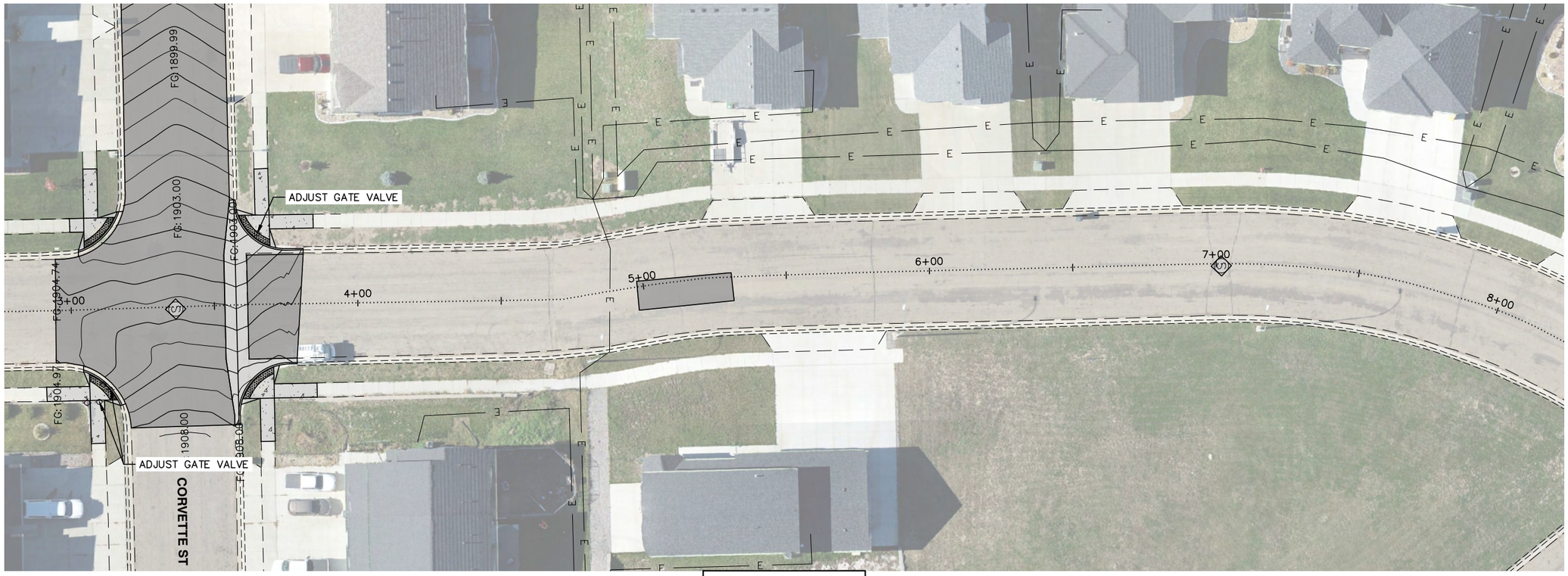
moore engineering, inc.

ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
47TH AVENUE NW - STA 0+00 - 7+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-501

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg



PRELIMINARY

0 40
Scale in Feet

moore engineering, inc.

ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
NOVA AVENUE NW - STA 3+00 - 12+00

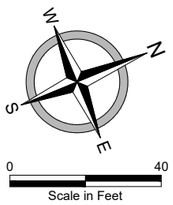
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-502

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg

CROWN POINT ROAD NW

PRELIMINARY



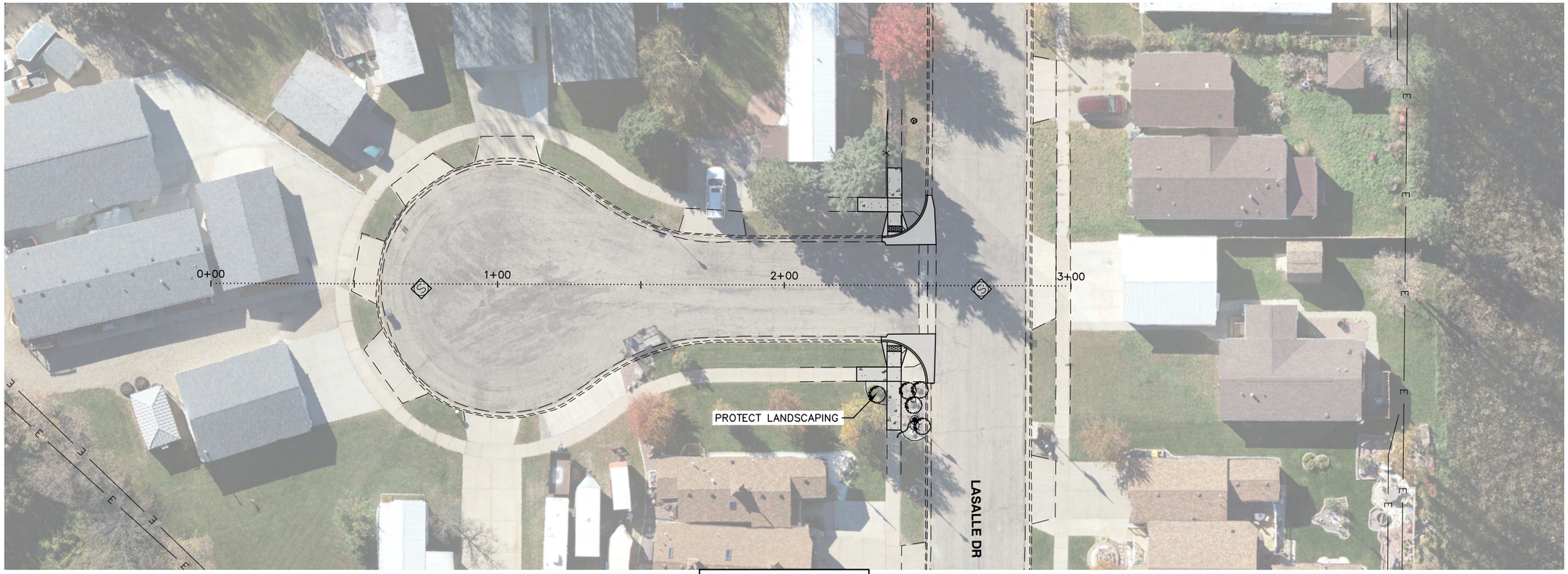
moore engineering, inc.

ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
CROWN POINT ROAD NW - STA 0+00 - 6+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

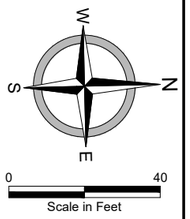
C-503

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg



COLUMBUS COURT

PRELIMINARY



moore engineering, inc.

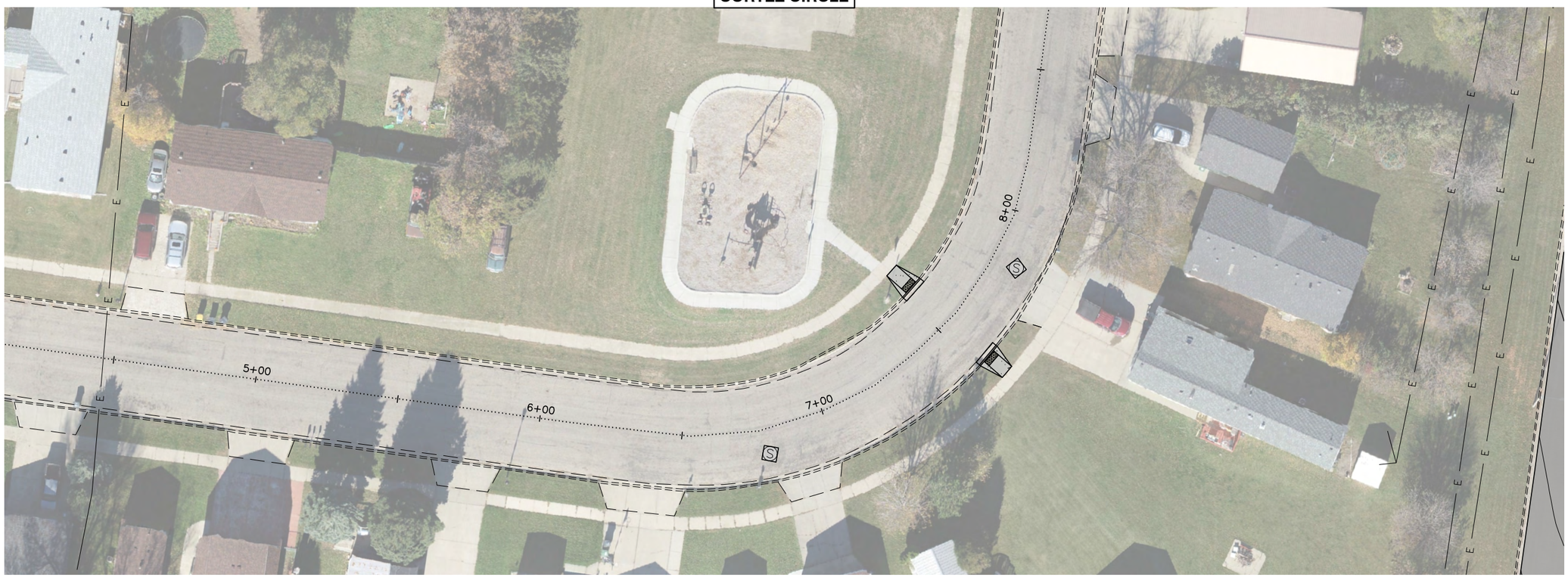
ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
COLUMBUS COURT - STA 0+00 - 2+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-504

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg

CORTEZ CIRCLE



PRELIMINARY

N E S W

0 40
Scale in Feet

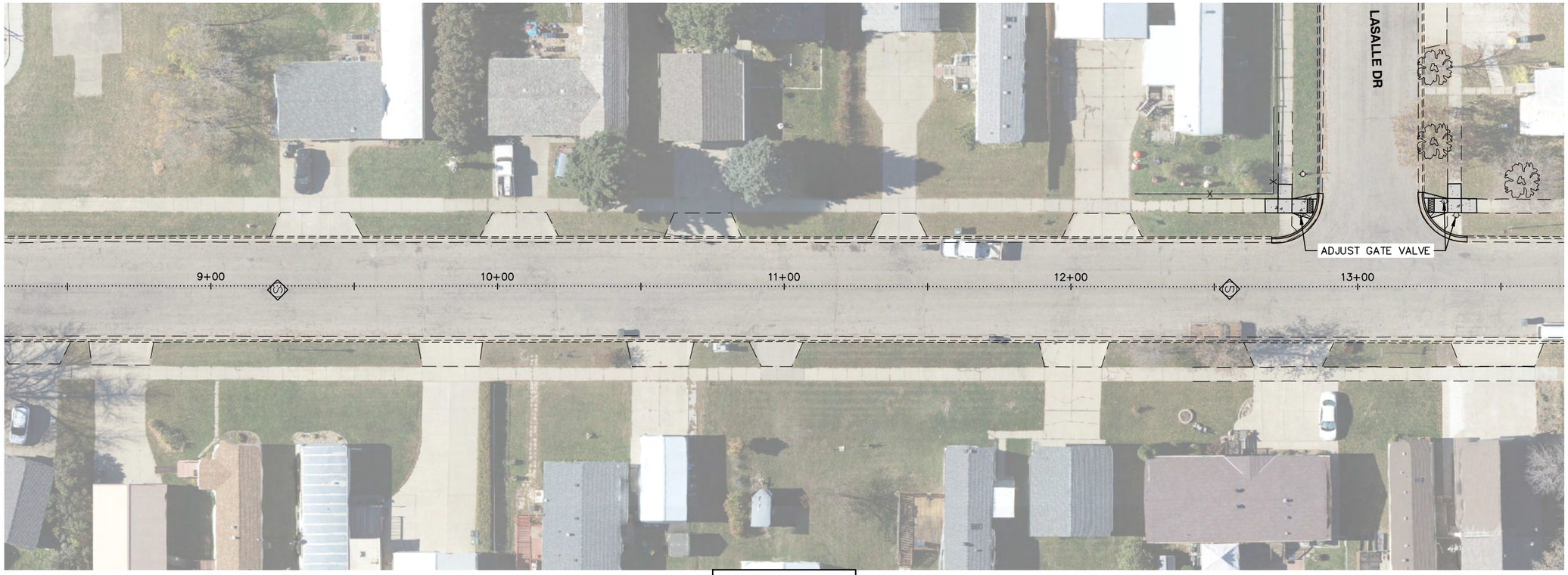
moore engineering, inc.

ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
CORTEZ CIRCLE - STA 0+00 - 8+50

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-505

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg



CORTEZ CIRCLE

PRELIMINARY

W
S
N
E
0
40
Scale in Feet

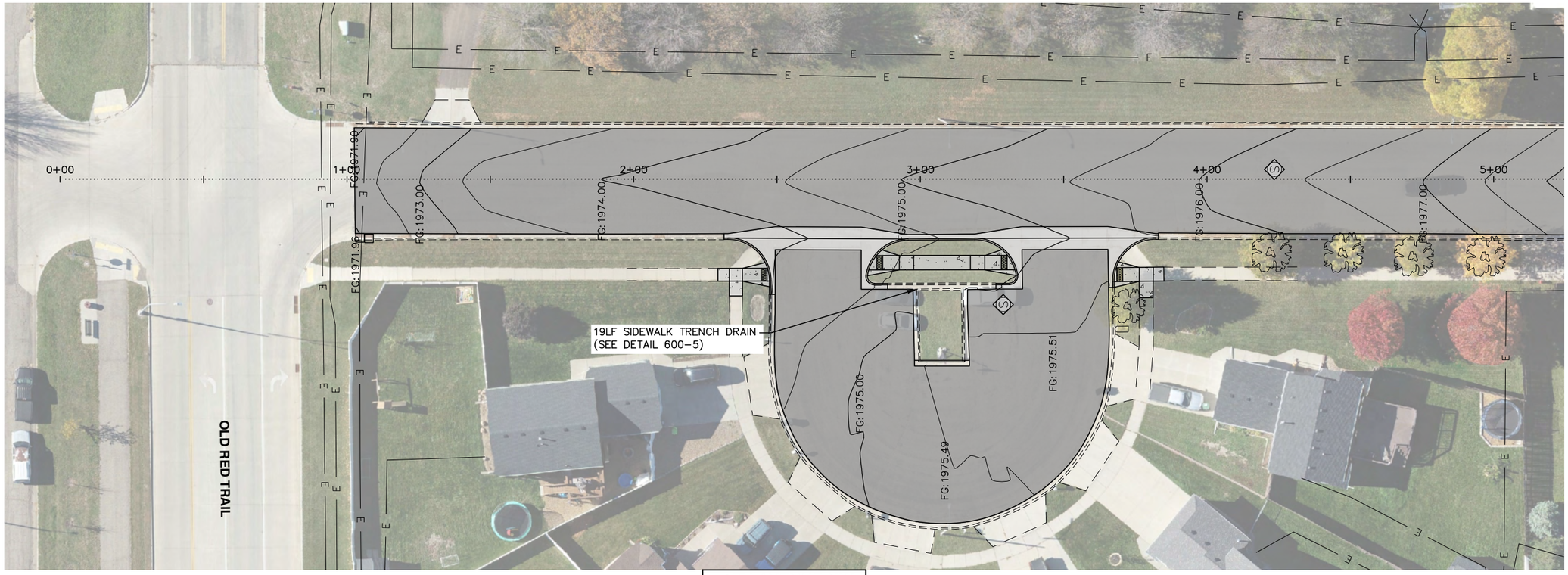
moore engineering, inc.

ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
CORTEZ CIRCLE - STA 8+50 - 17+00

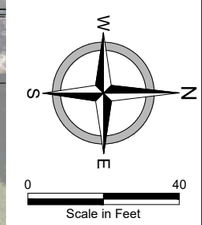
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-506

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg

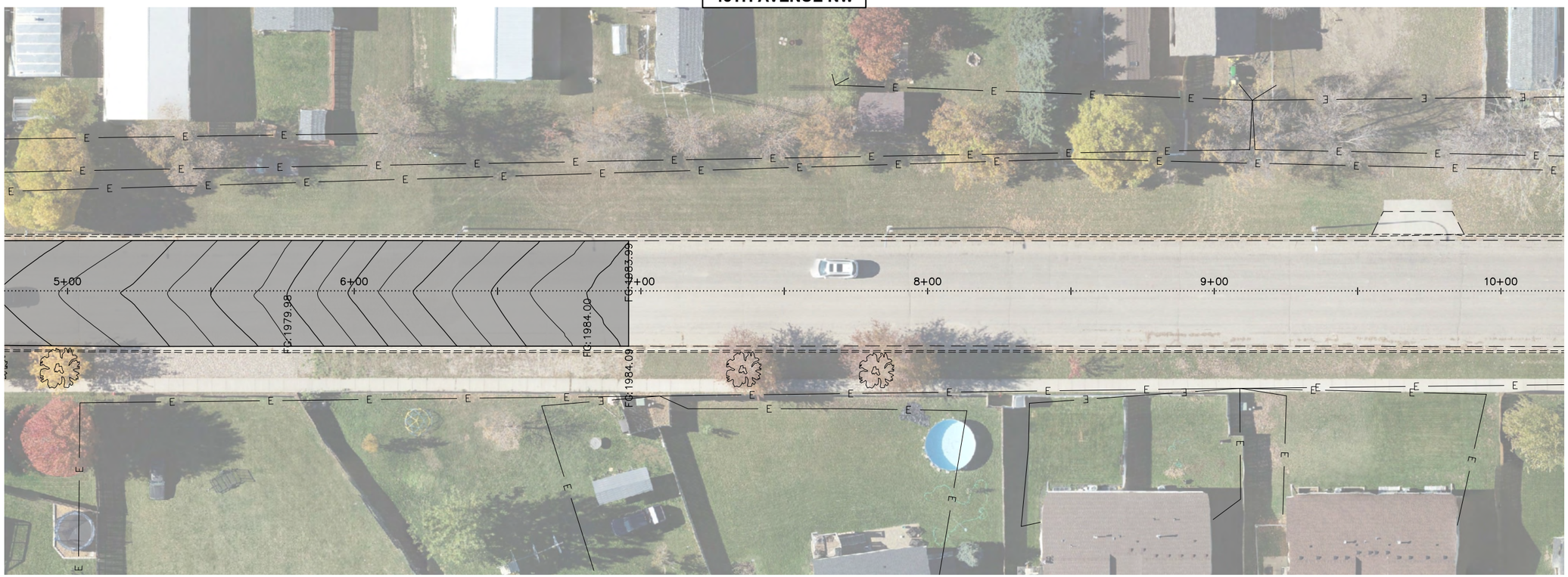


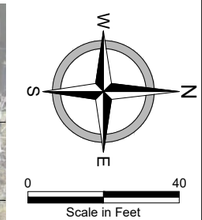
PRELIMINARY



moore engineering, inc.

40TH AVENUE NW



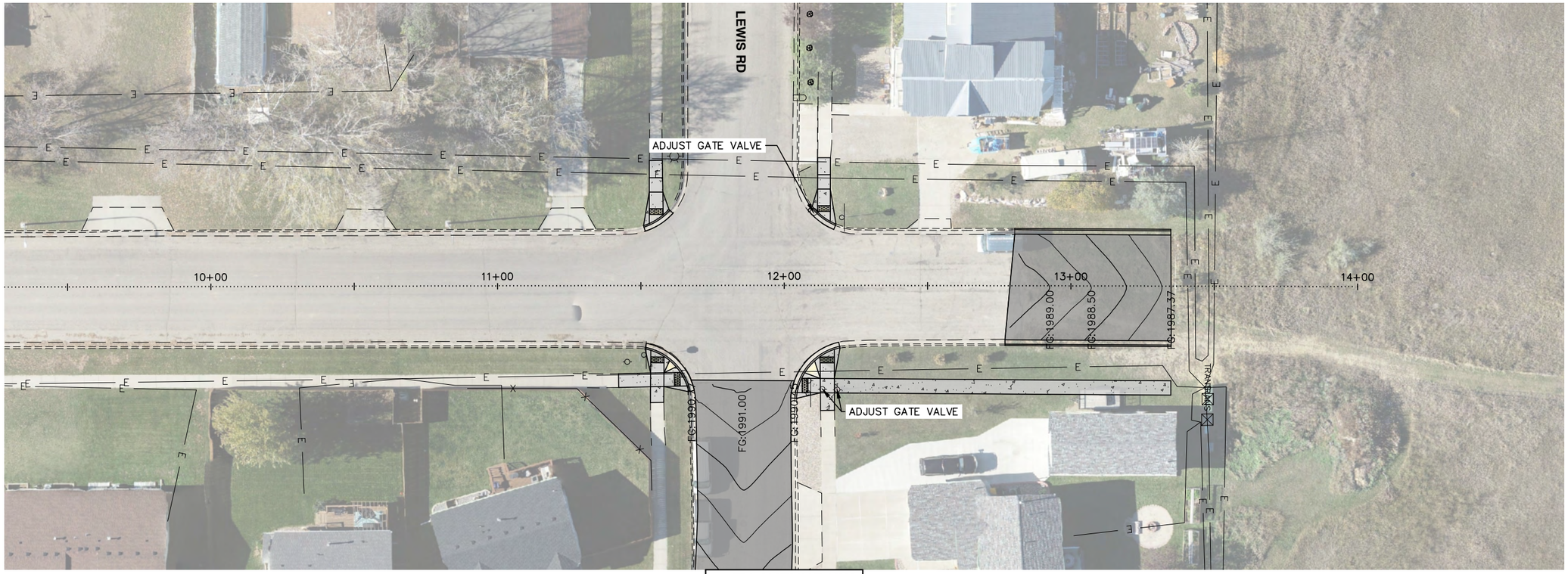


ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
40TH AVENUE NW - STA 0+00 - 10+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

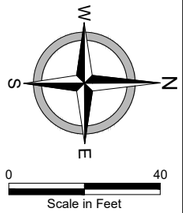
C-507

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg



40TH AVENUE NW

PRELIMINARY



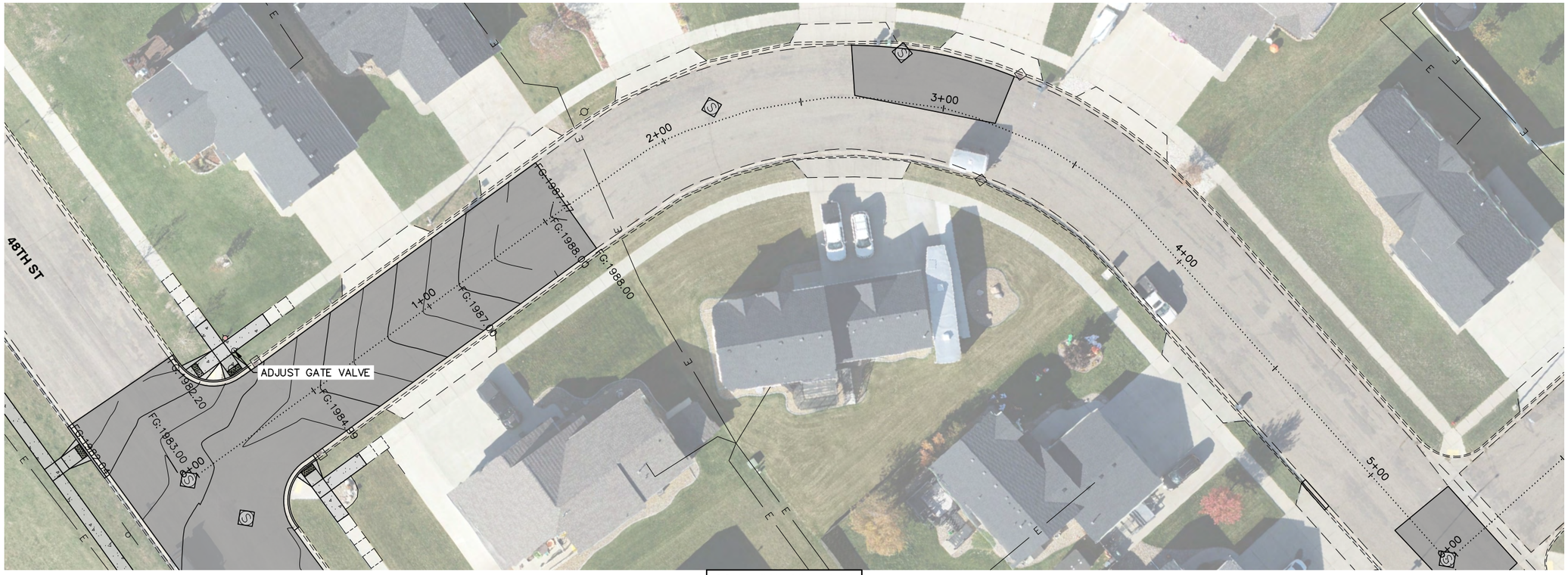
moore engineering, inc.

ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
40TH AVENUE NW - STA 10+00 - 14+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-508

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg



39TH AVENUE NW

PRELIMINARY

W S N E

0 40
Scale in Feet

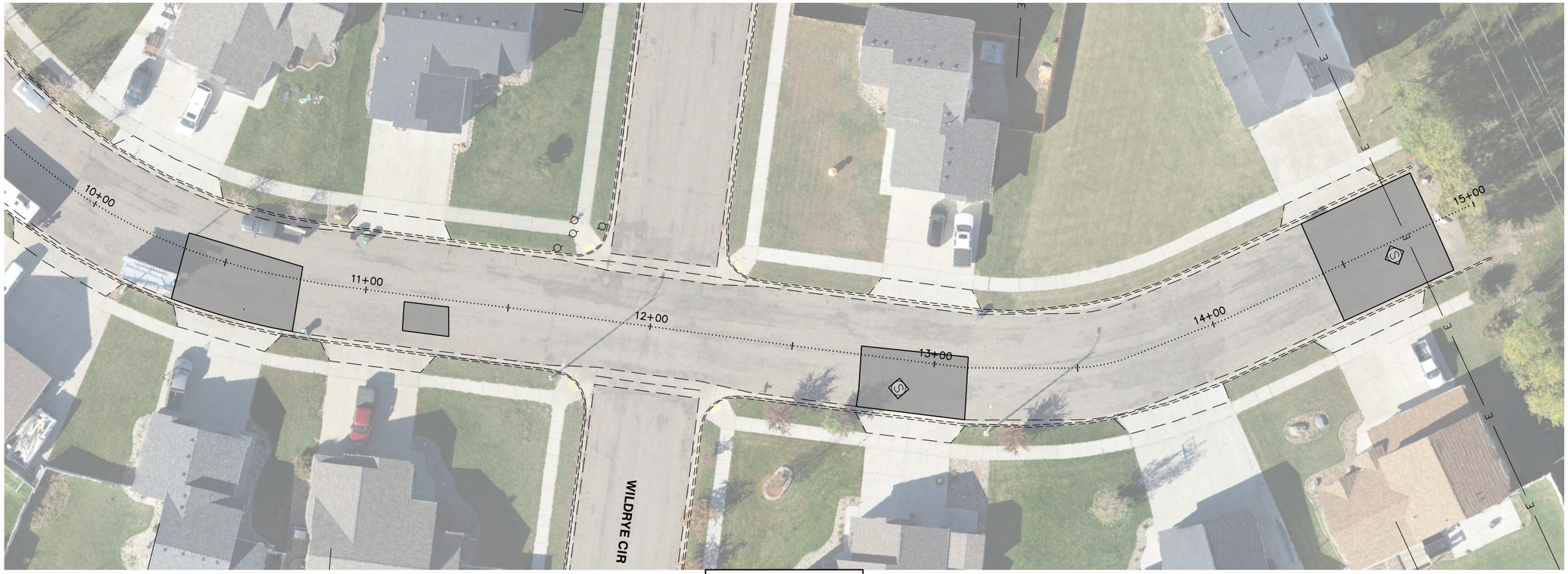
moore engineering, inc.

ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
39TH AVENUE NW - STA 0+00 - 10+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-509

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg



PRELIMINARY

N
W
E
S

0 40
Scale in Feet

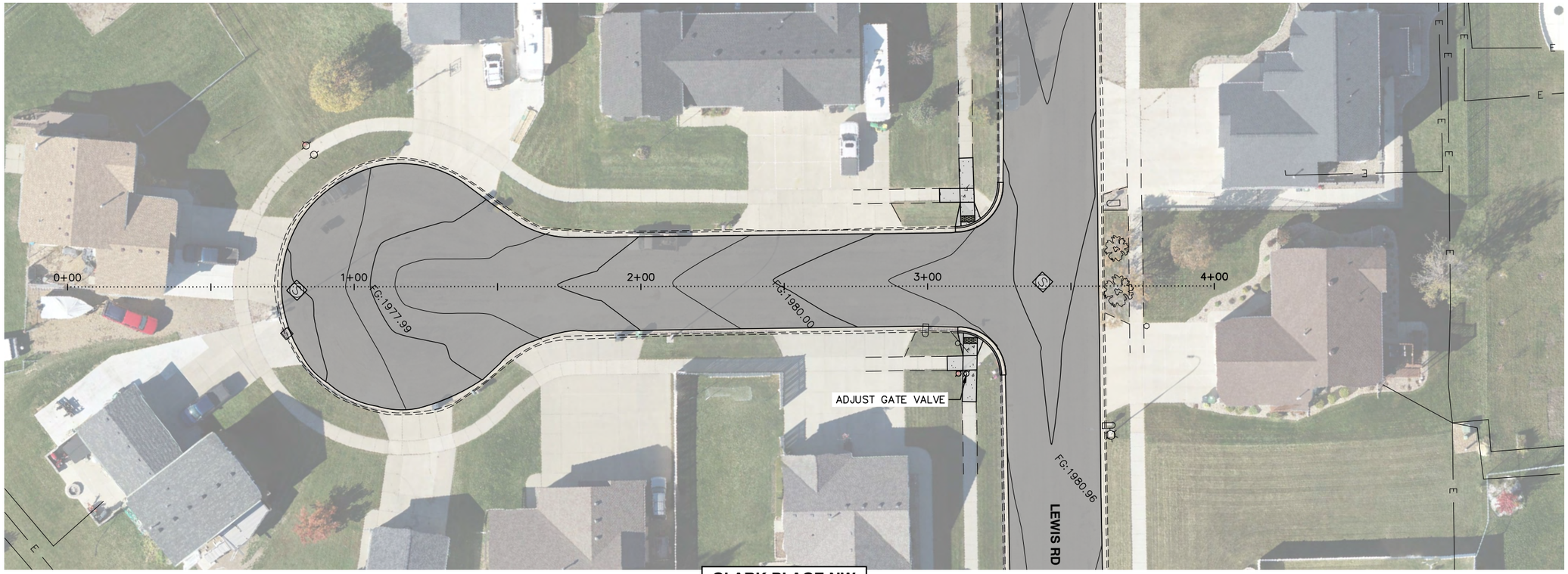
moore engineering, inc.

ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
39TH AVENUE NW - STA 10+00 - 15+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-510

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg



CLARK PLACE NW

PRELIMINARY

W N S E

0 40
Scale in Feet

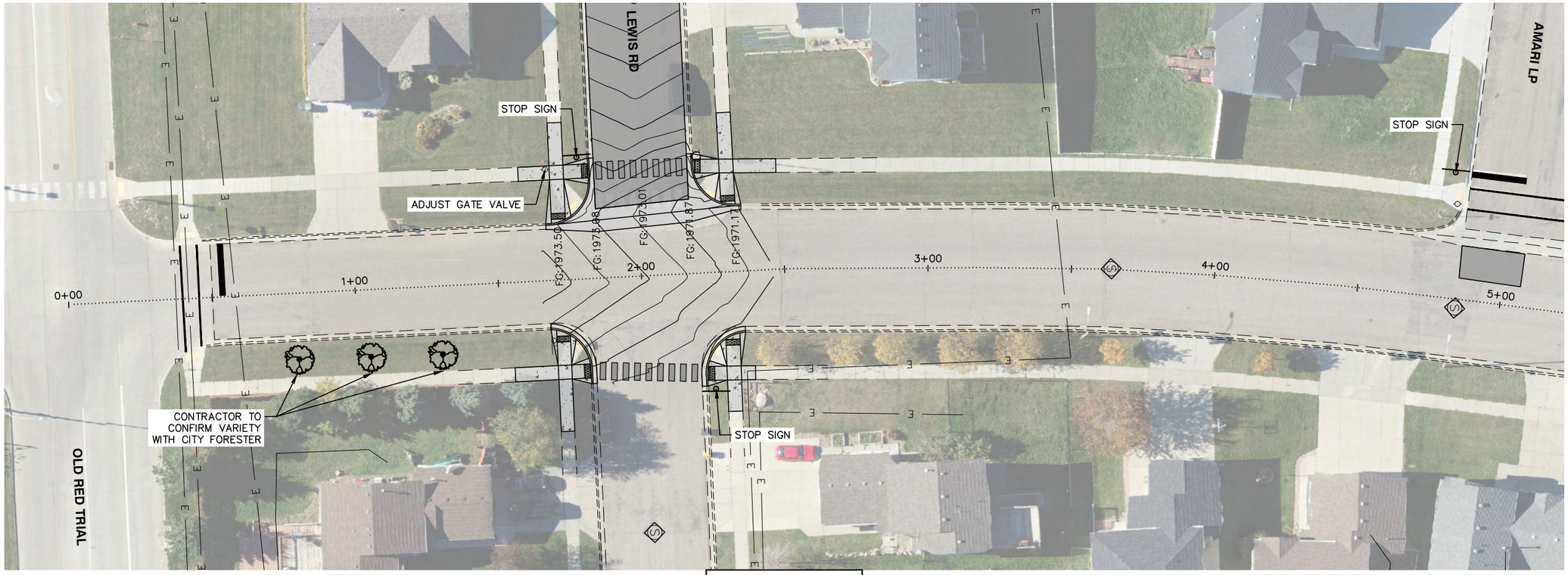
moore engineering, inc.

ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
CLARK PLACE NW - STA 0+00 - 3+00

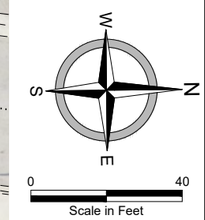
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-511

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg

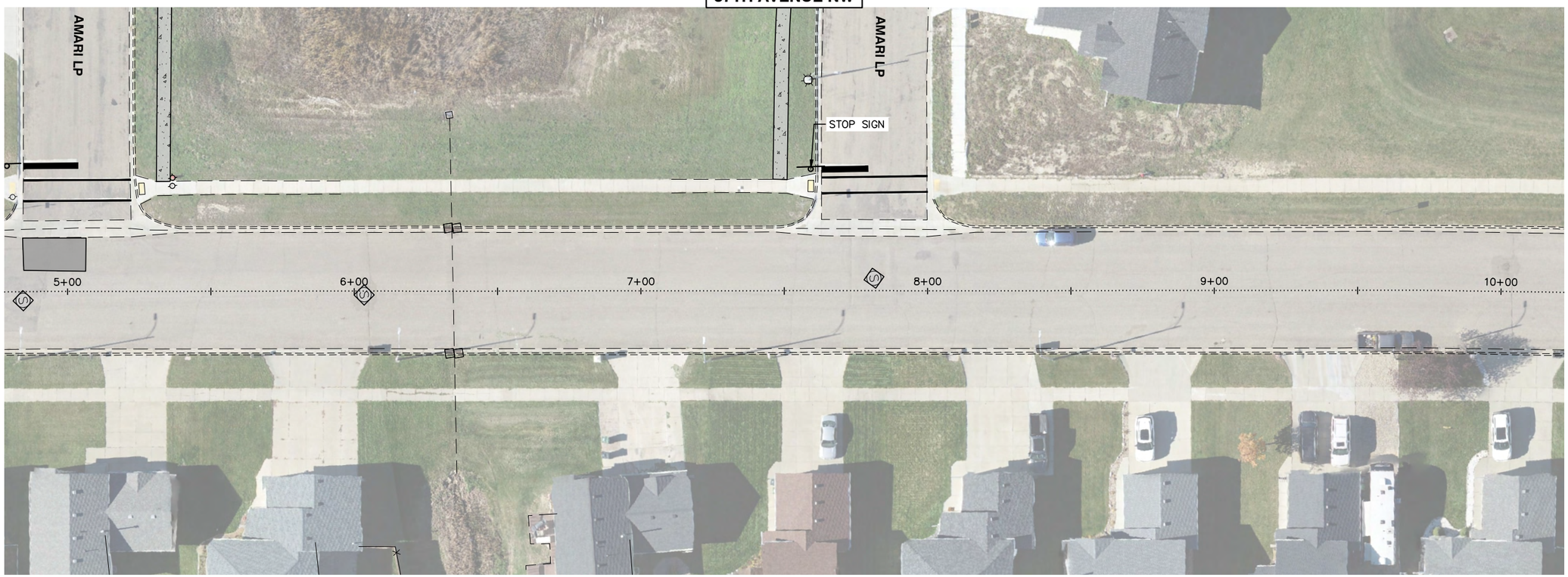


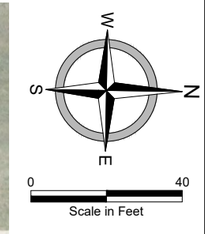
PRELIMINARY



moore engineering, inc.

37TH AVENUE NW





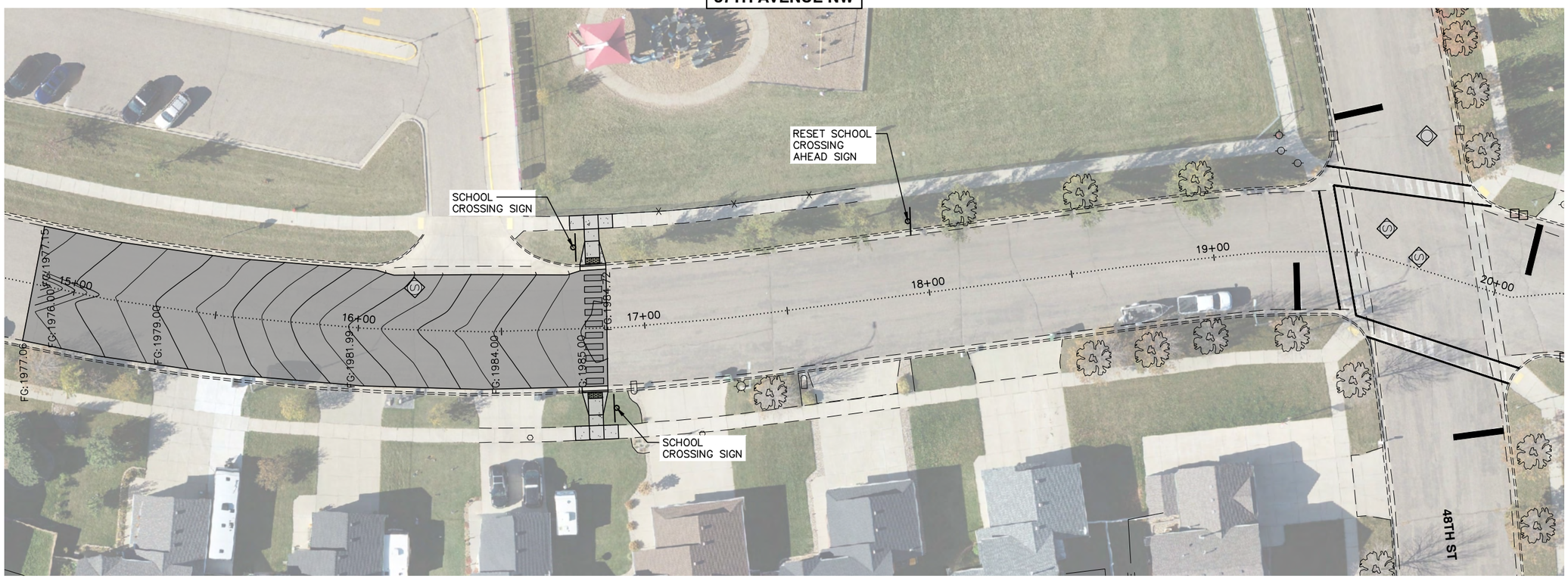
ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
37TH AVENUE NW - STA 0+00 - 10+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-512

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg

37TH AVENUE NW



PRELIMINARY

W N S E

0 40
Scale in Feet

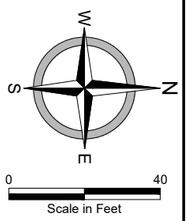
moore engineering, inc.

ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
37TH AVENUE NW - STA 10+00 - 20+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-513

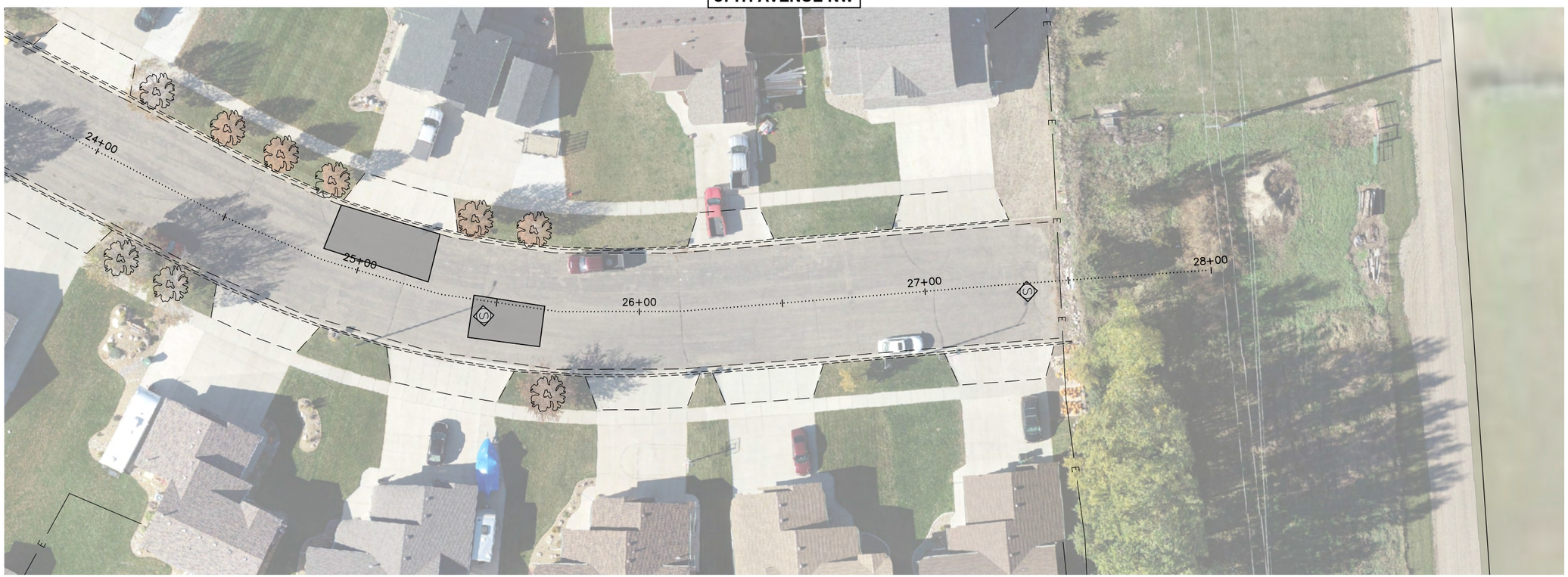
FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg

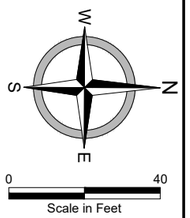


PRELIMINARY

moore engineering, inc.

37TH AVENUE NW





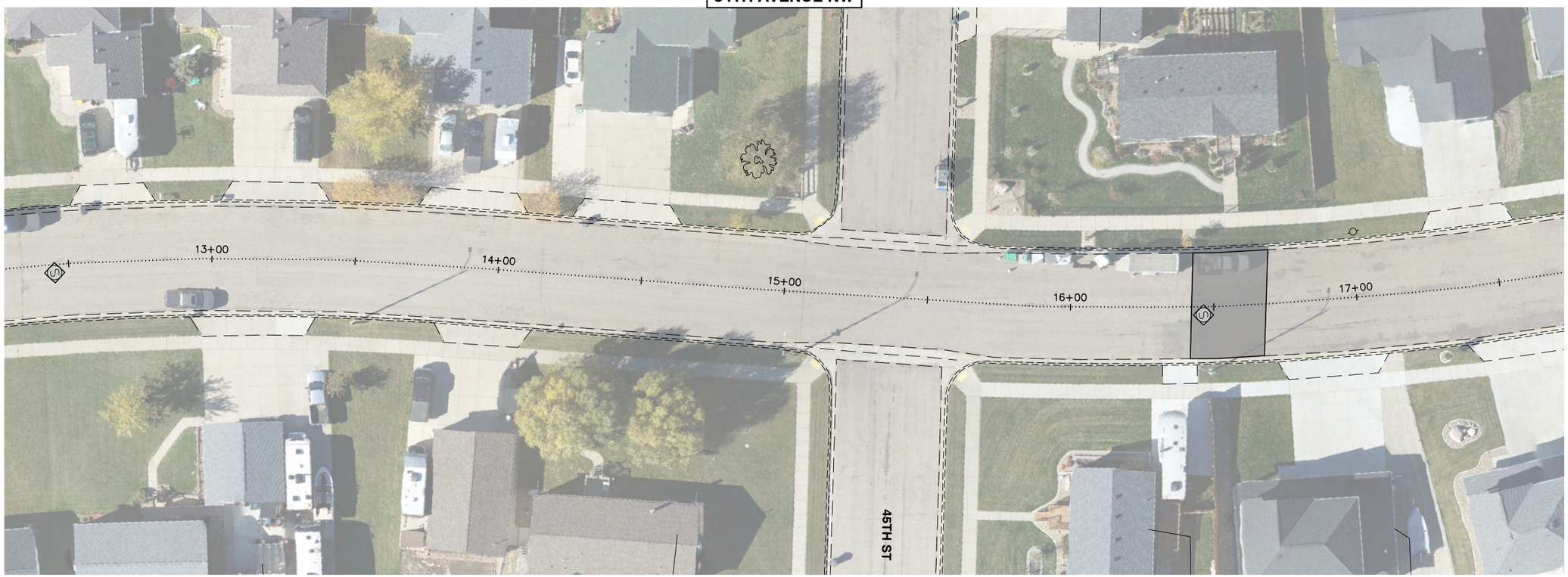
ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
37TH AVENUE NW - STA 20+00 - 28+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-514

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg

34TH AVENUE NW



PRELIMINARY

W S N E

0 40
Scale in Feet

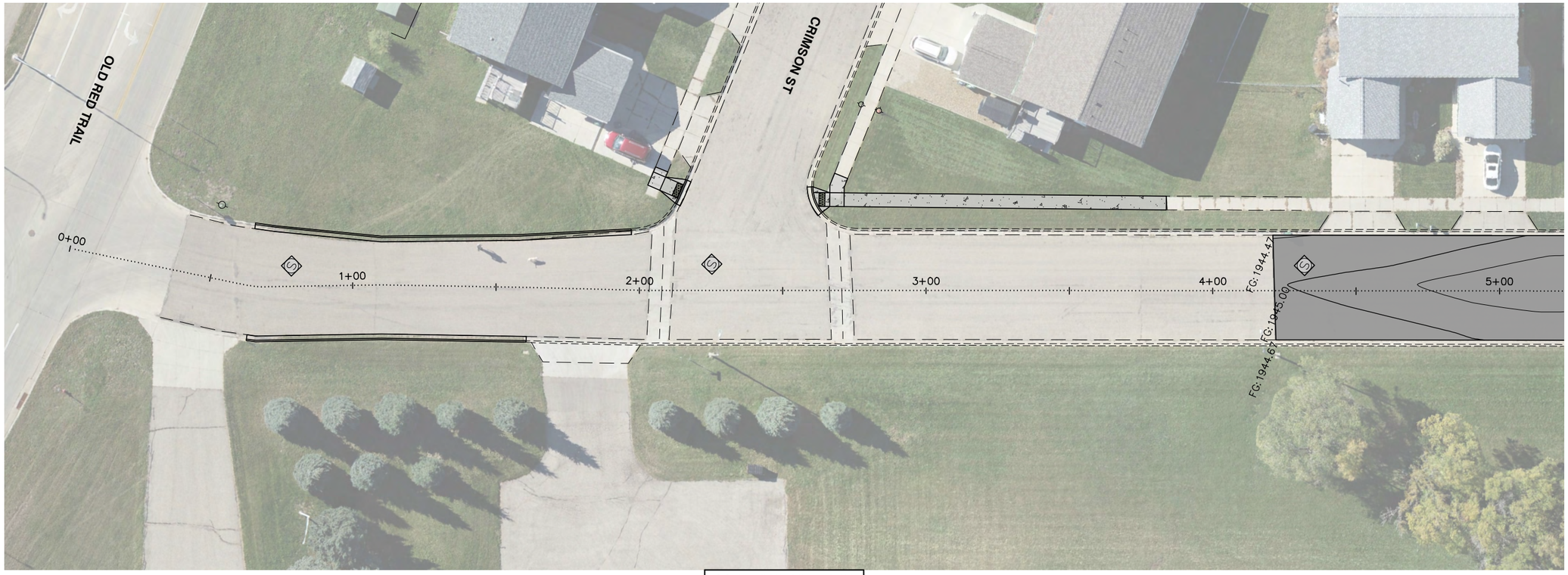
moore engineering, inc.

ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
34TH AVENUE NW - STA 8+00 - 18+00

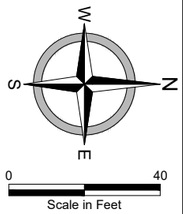
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-515

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg

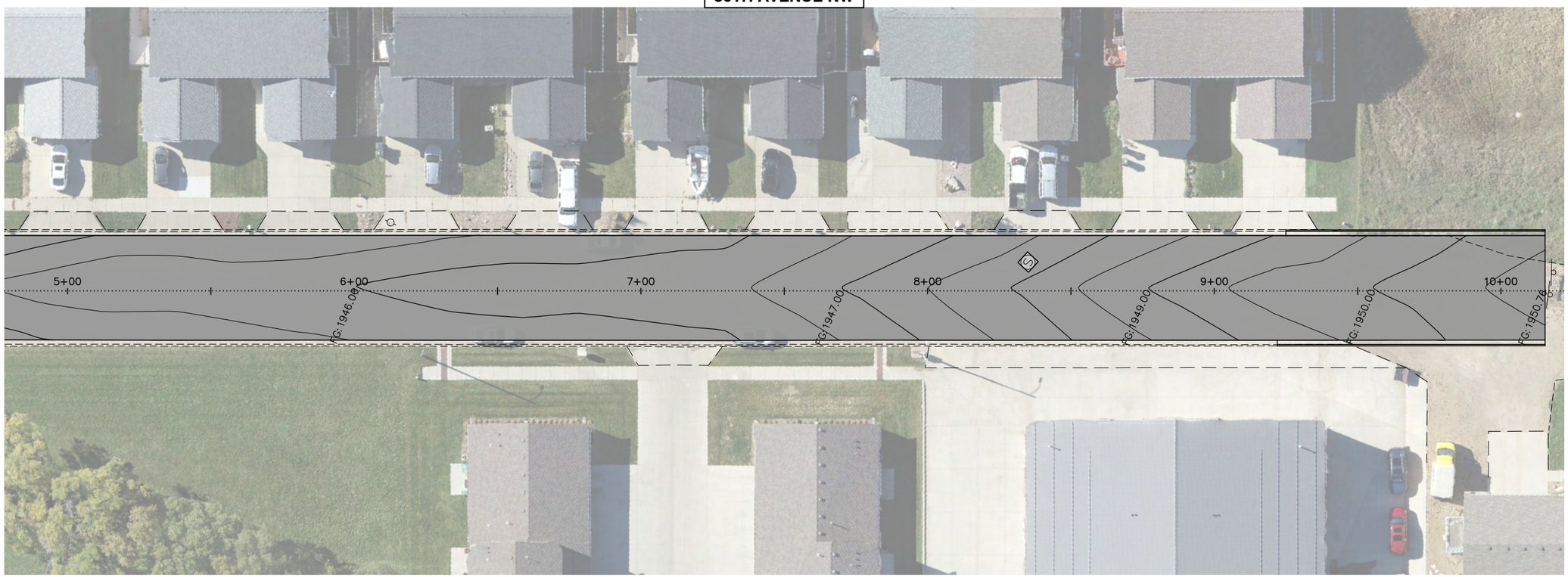


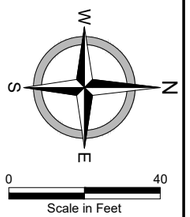
PRELIMINARY



moore engineering, inc.

30TH AVENUE NW



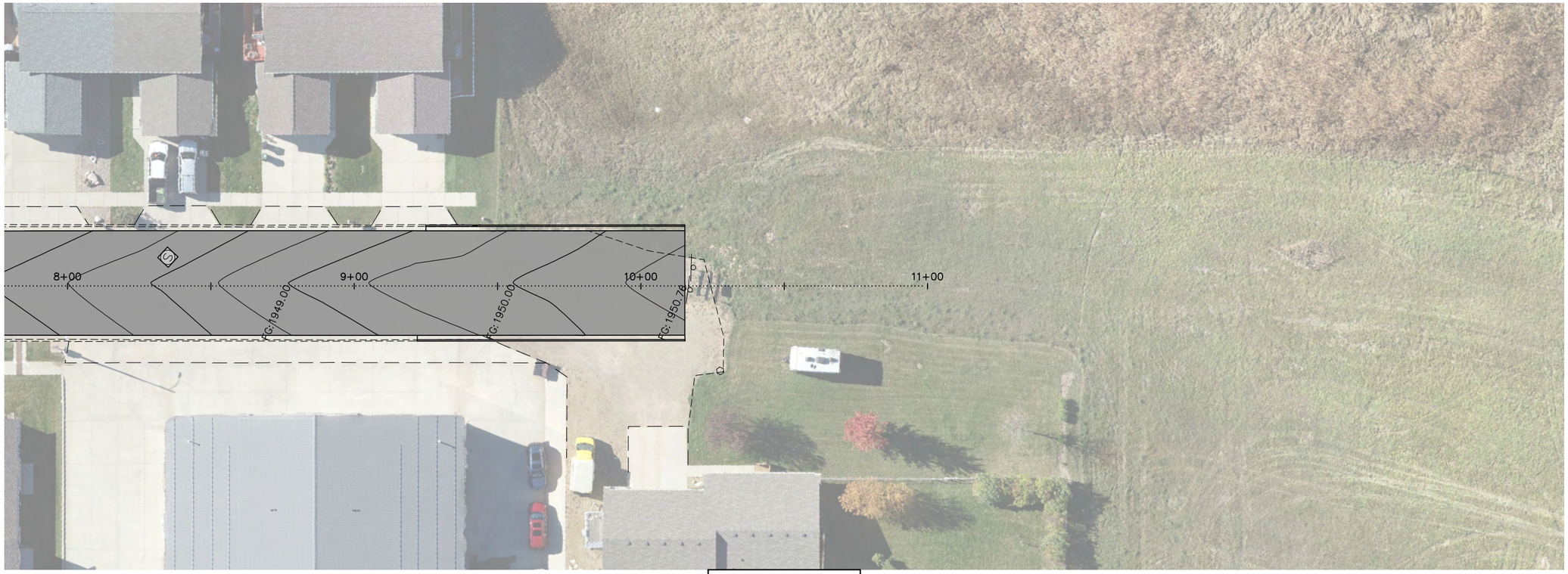


ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
30TH AVENUE NW - STA 0+00 - 8+00

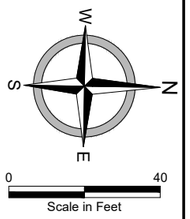
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-516

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Avenues.dwg



PRELIMINARY



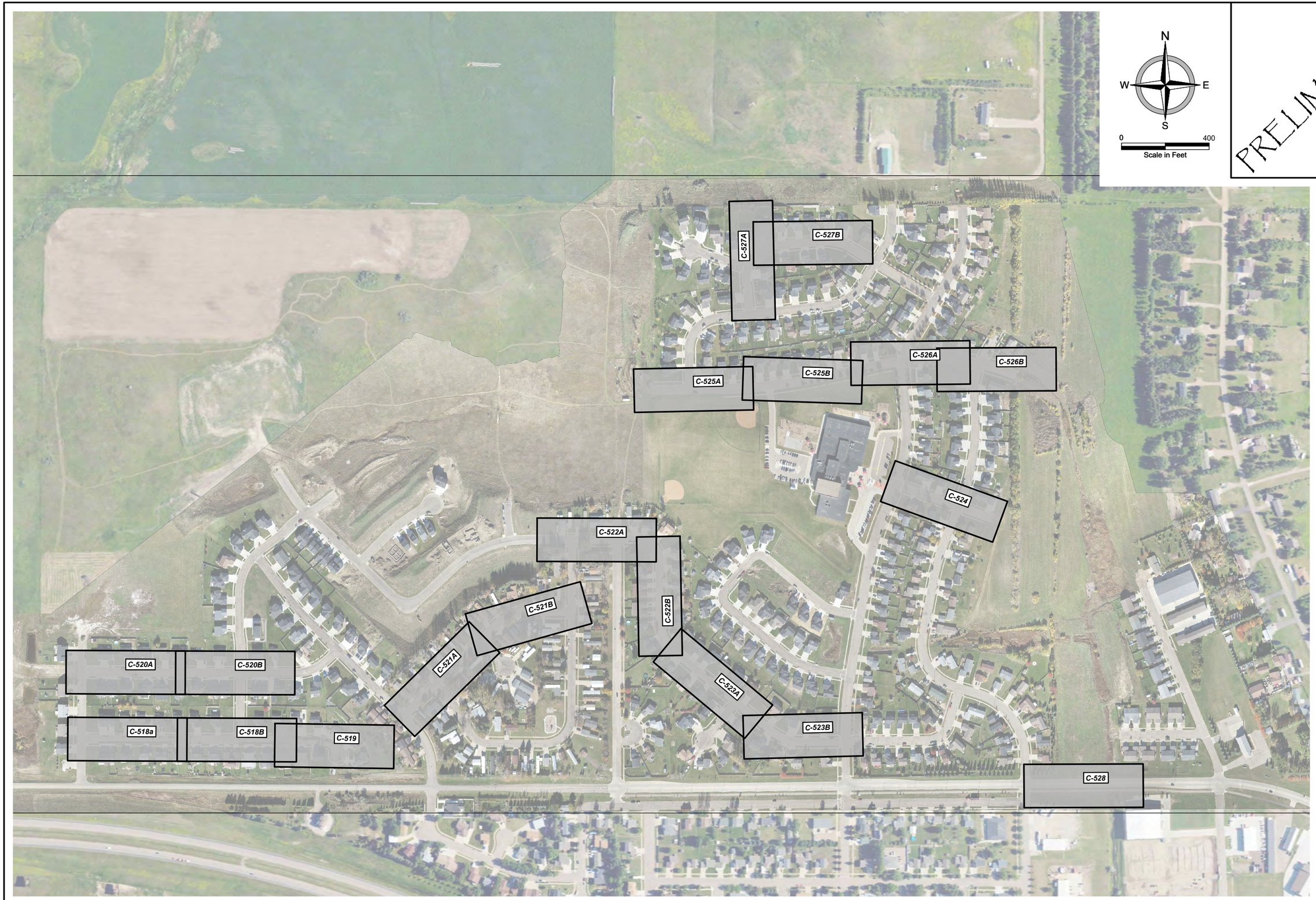
moore engineering, inc.

ROADWAY - AVENUES
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
30TH AVENUE NW - STA 8+00 - 11+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-517

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Streets.dwg



PRELIMINARY

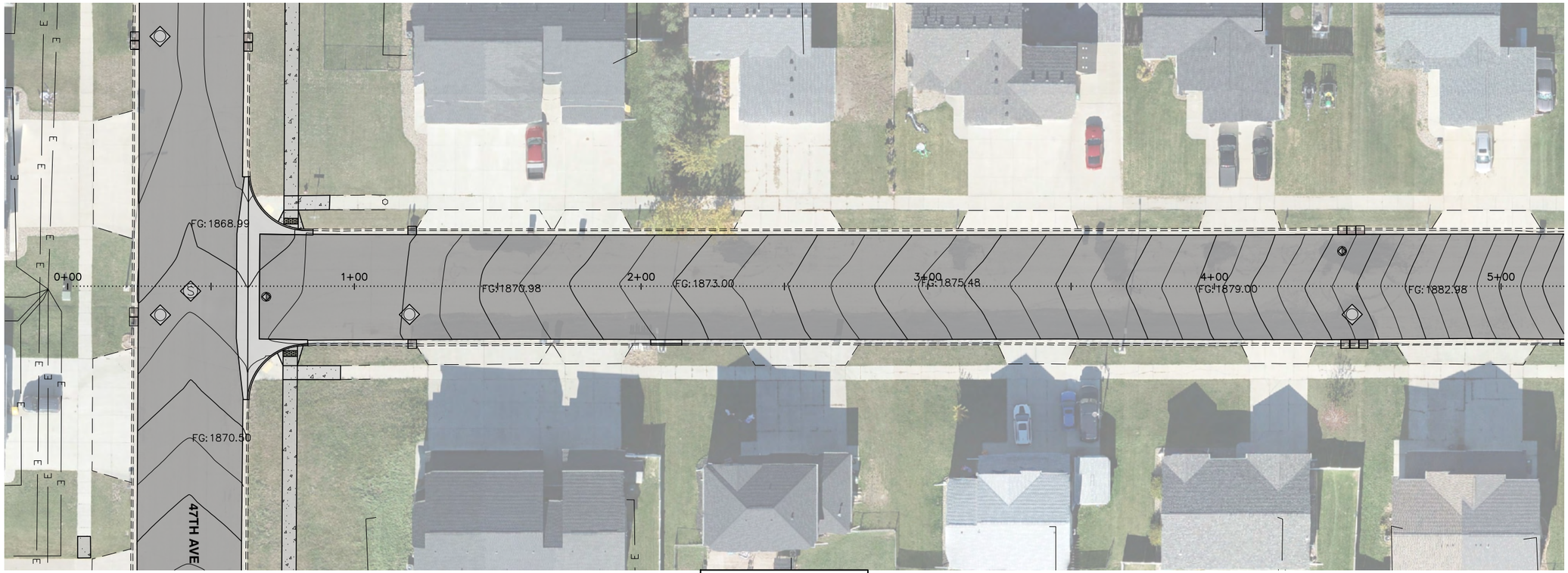
moore engineering, inc.

ROADWAY - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
SHEET INDEX - STREETS

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-518

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Streets.dwg



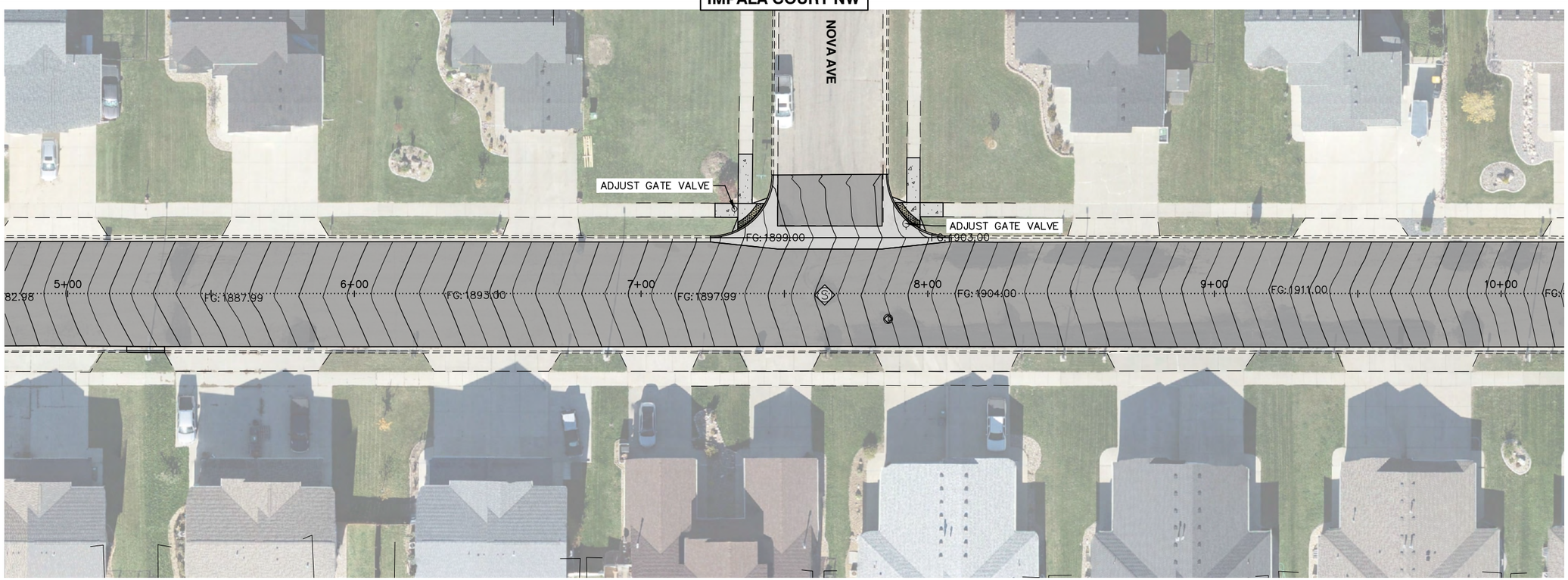
PRELIMINARY

N
W E
S

0 40
Scale in Feet

moore engineering, inc.

IMPALA COURT NW



N
W E
S

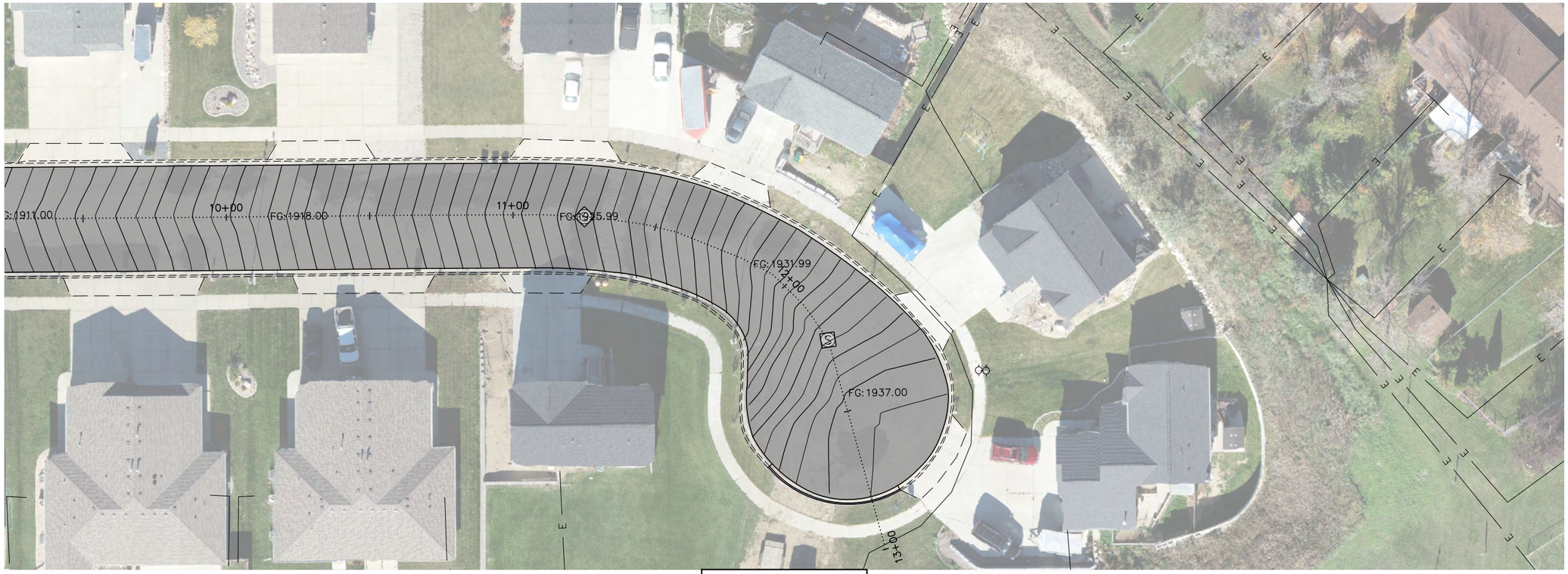
0 40
Scale in Feet

ROADWAY - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
IMPALA COURT NW - STA 0+00 - 10+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-519

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Streets.dwg



IMPALA COURT NW

PRELIMINARY

N
W
E
S

0 40
Scale in Feet

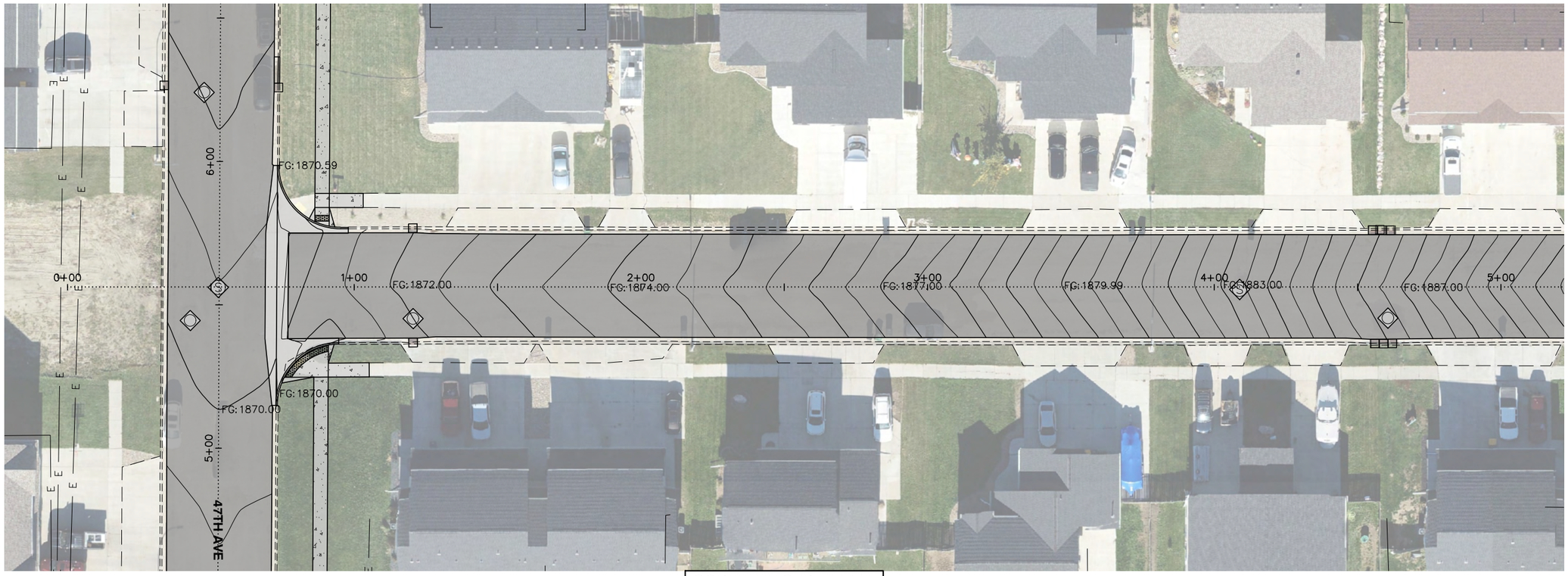
moore engineering, inc.

ROADWAY - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
IMPALA COURT NW - STA 10+00 - 13+00

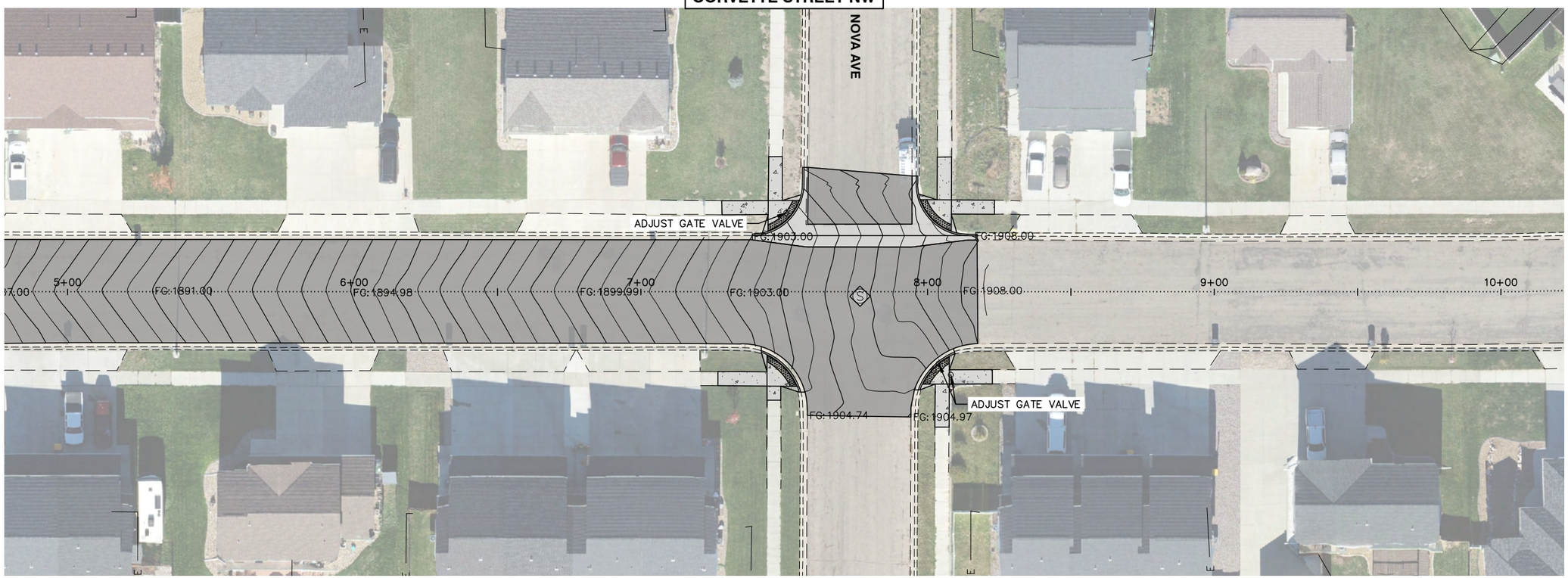
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-520

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Streets.dwg



CORVETTE STREET NW



PRELIMINARY

N
W E
S

0 40
Scale in Feet

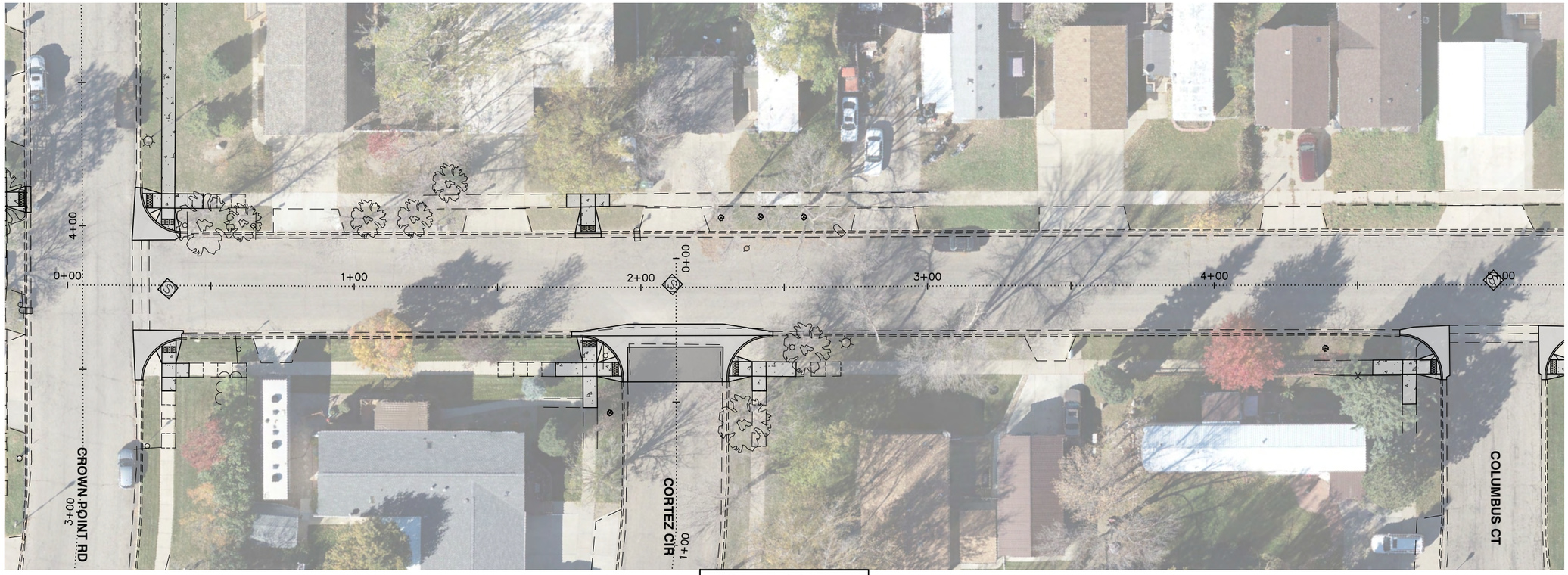
moore engineering, inc.

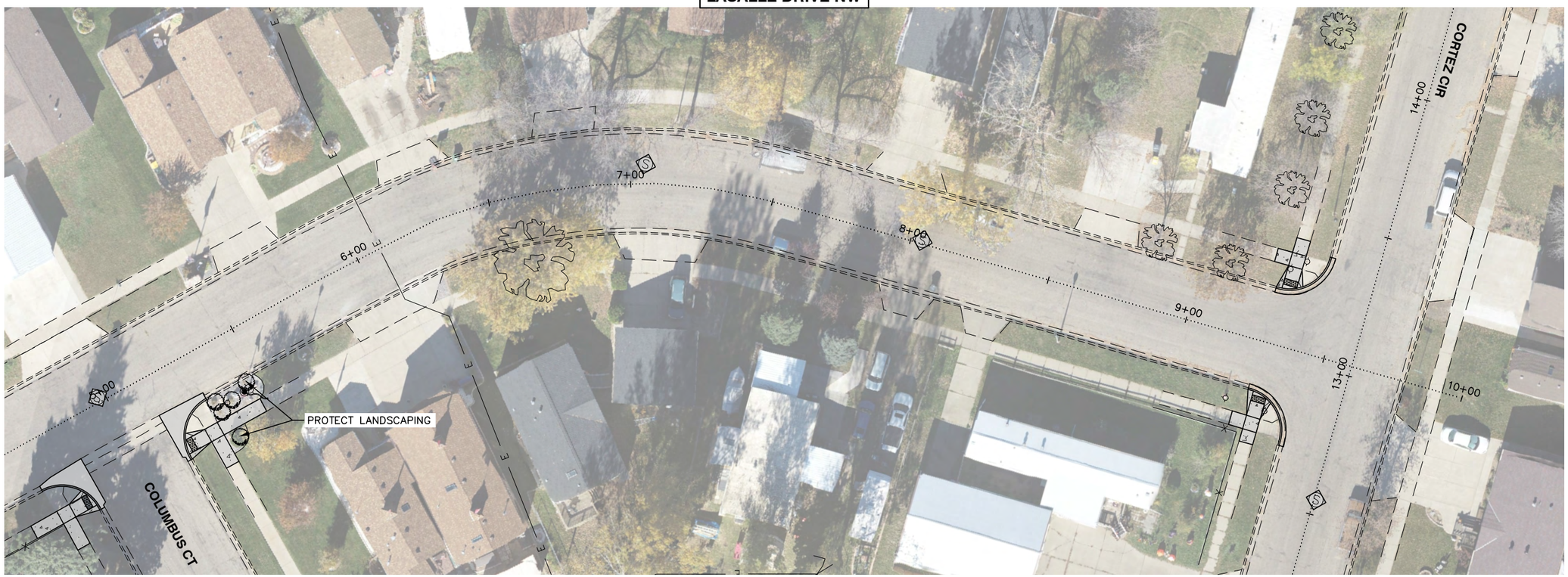
ROADWAY - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
CORVETTE STREET NW - STA 0+00 - 10+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-521

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Streets.dwg





PRELIMINARY

N
W
E
S
0 40
Scale in Feet

moore engineering, inc.

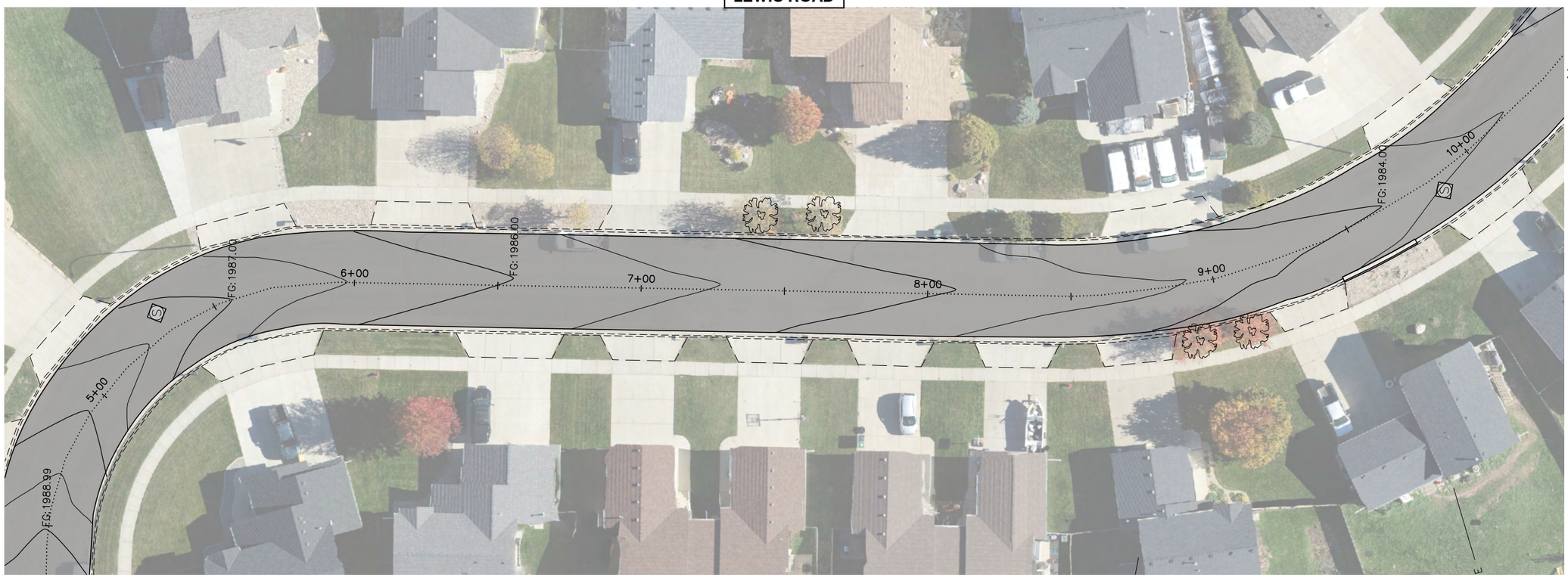
ROADWAY - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
LASALLE DRIVE NW - STA 0+00 - 10+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-522

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Streets.dwg

LEWIS ROAD



PRELIMINARY

N W E S

0 40
Scale in Feet

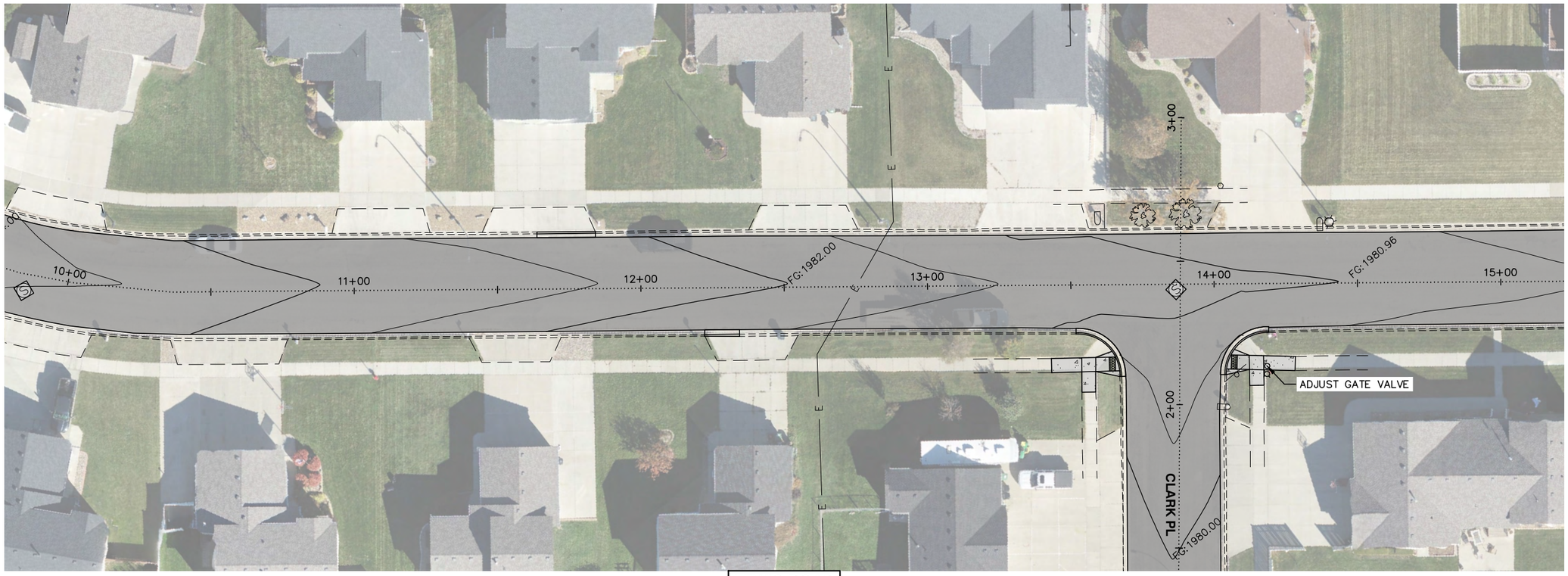
moore engineering, inc.

ROADWAY - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
LEWIS ROAD - STA 0+00 - 10+00

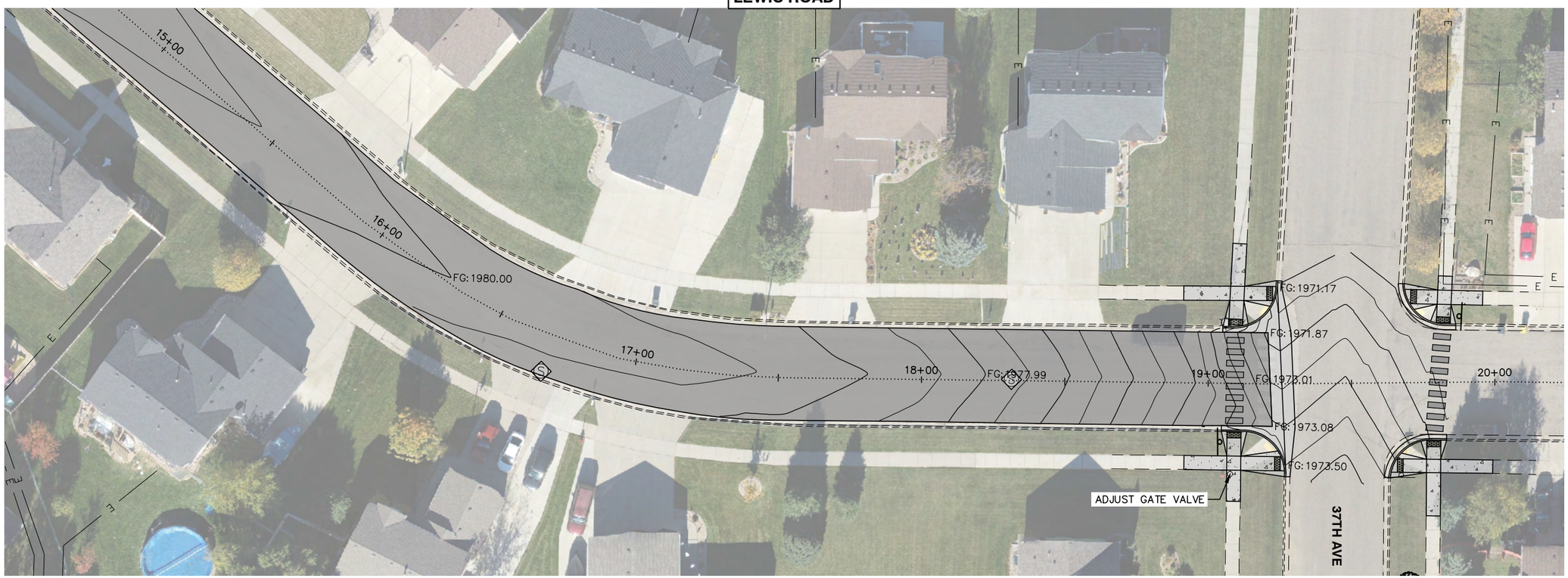
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-523

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Streets.dwg



LEWIS ROAD



PRELIMINARY

N
W E
S

0 40
Scale in Feet

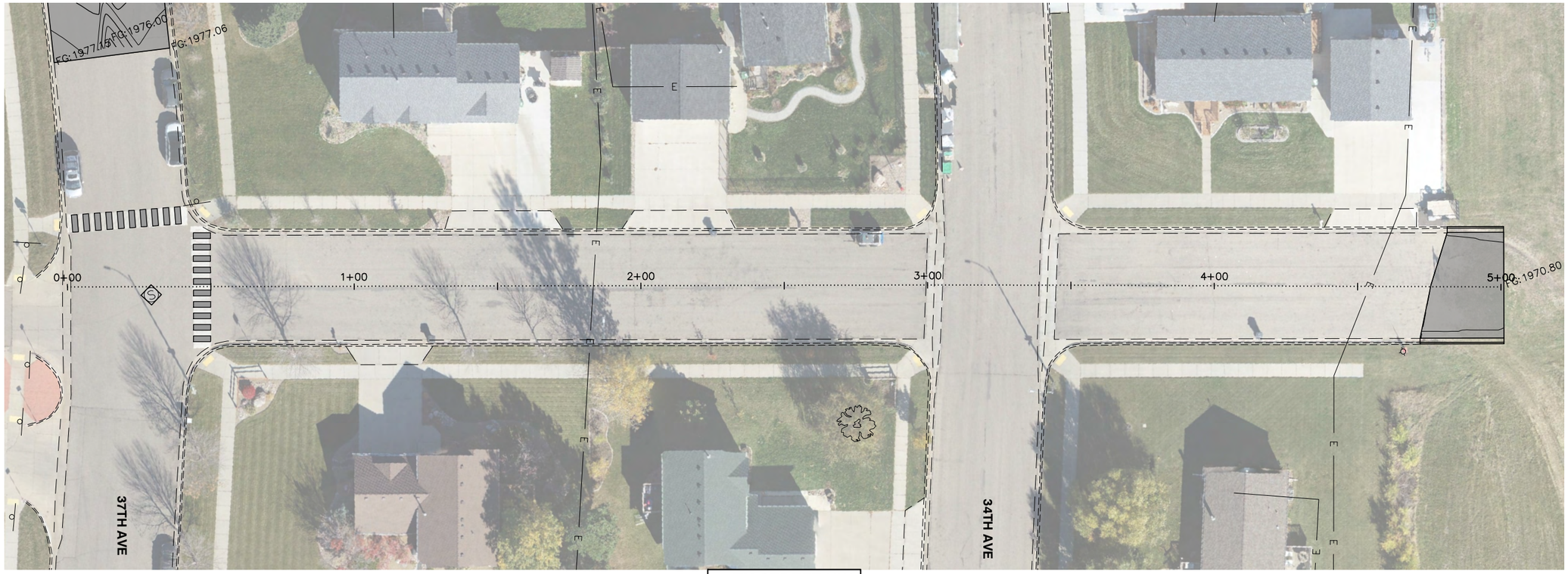
moore engineering, inc.

ROADWAY - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
LEWIS ROAD - STA 10+00 - 20+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-524

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Streets.dwg



PRELIMINARY

N
W
E
S

0 40
Scale in Feet

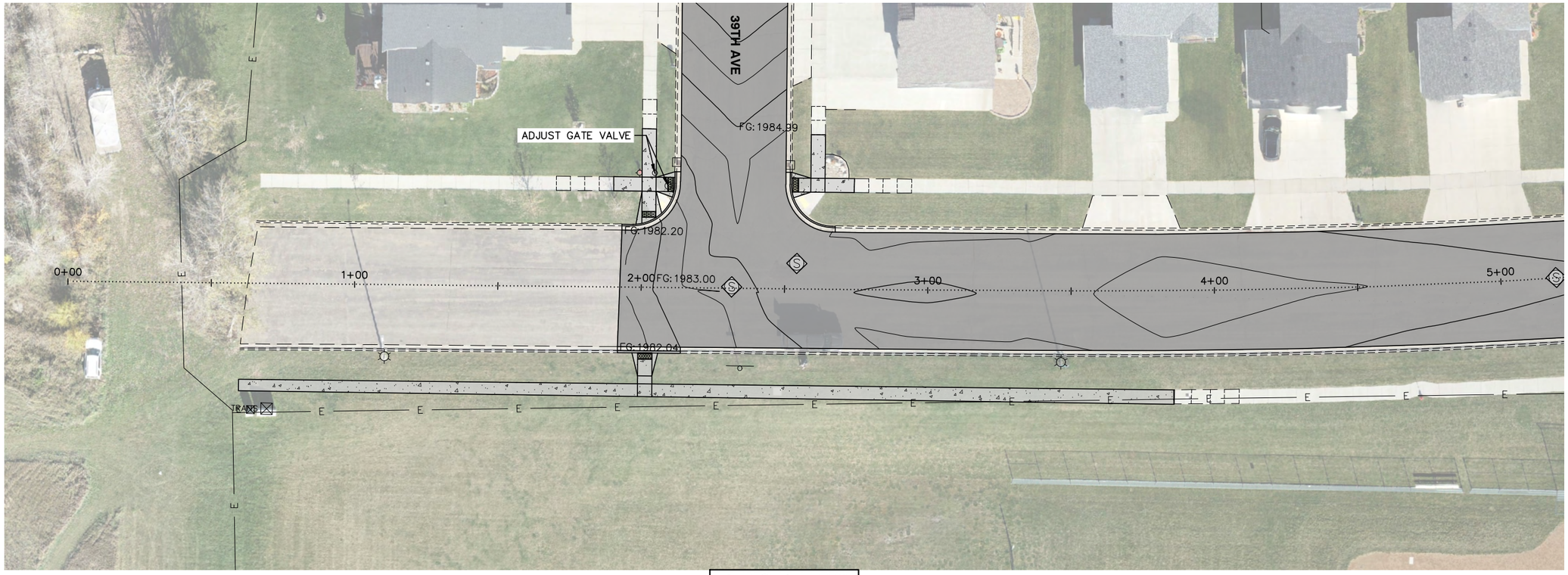
moore engineering, inc.

ROADWAY - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
45TH STREET NW - STA 0+00 - 5+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-525

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Streets.dwg



48TH STREET NW

PRELIMINARY

N
W E
S

0 40
Scale in Feet

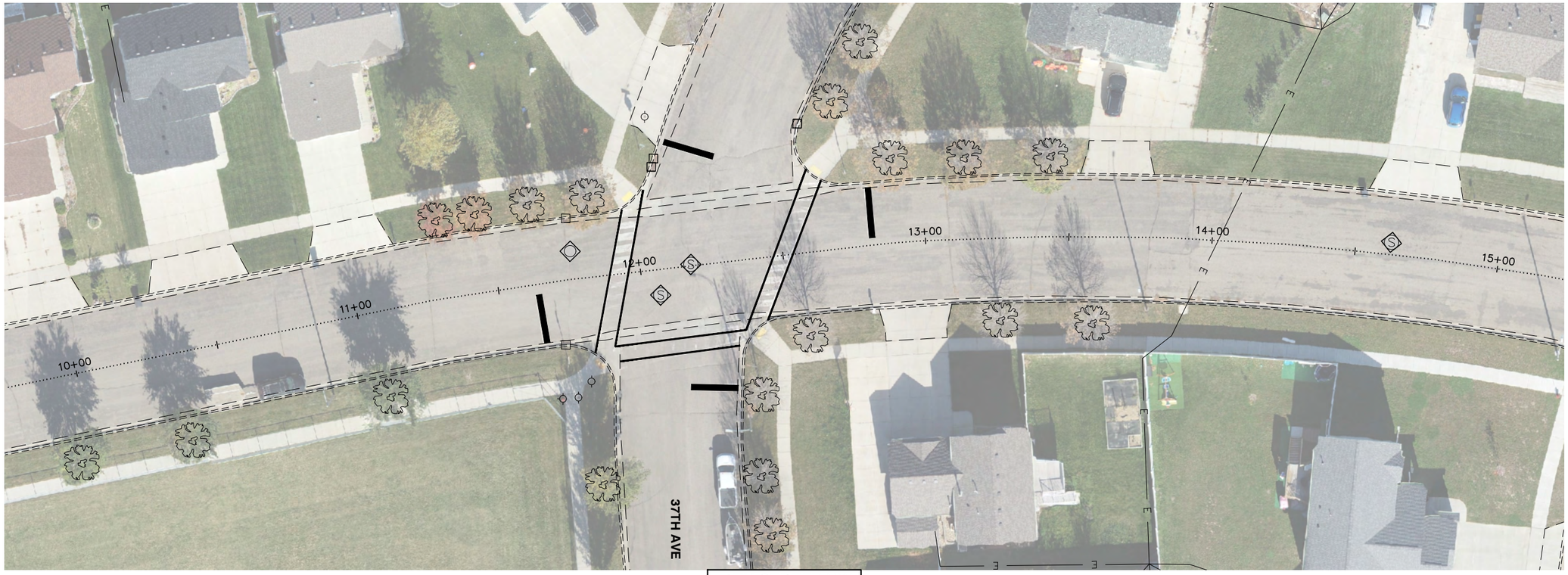
moore engineering, inc.

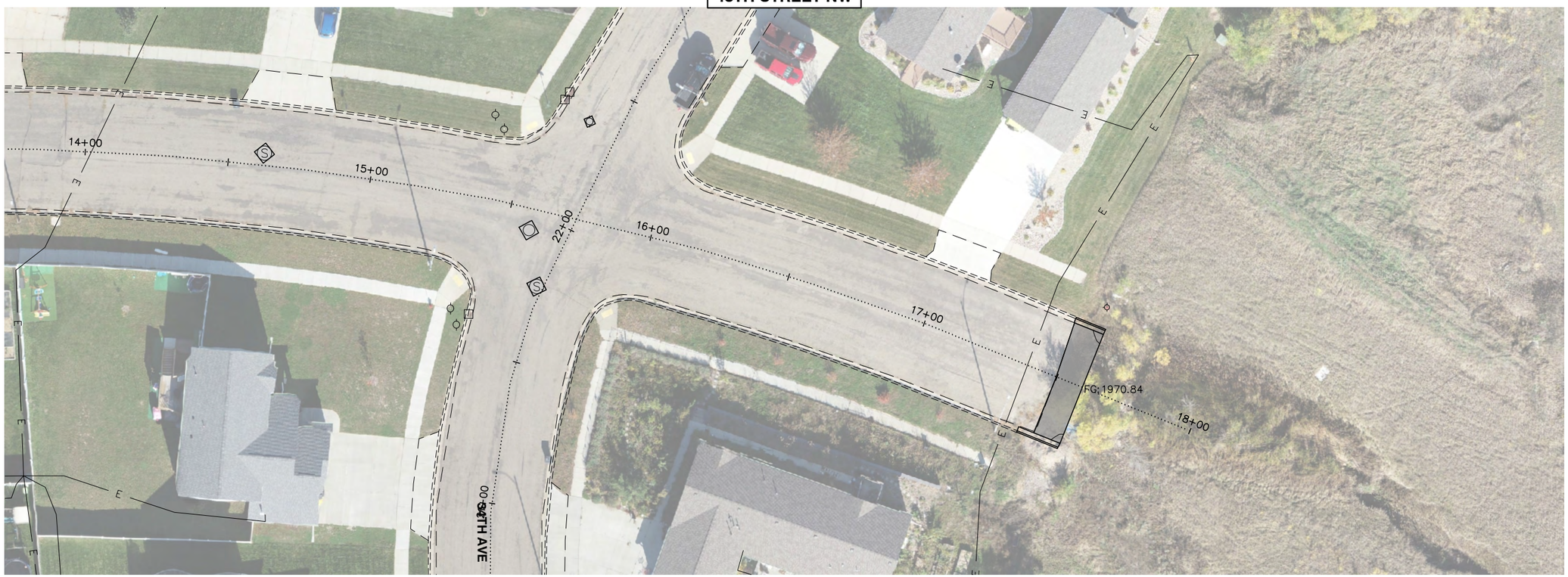
ROADWAY - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
48TH STREET NW - STA 0+00 - 10+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-526

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Streets.dwg





PRELIMINARY

N
W E
S

0 40
Scale in Feet

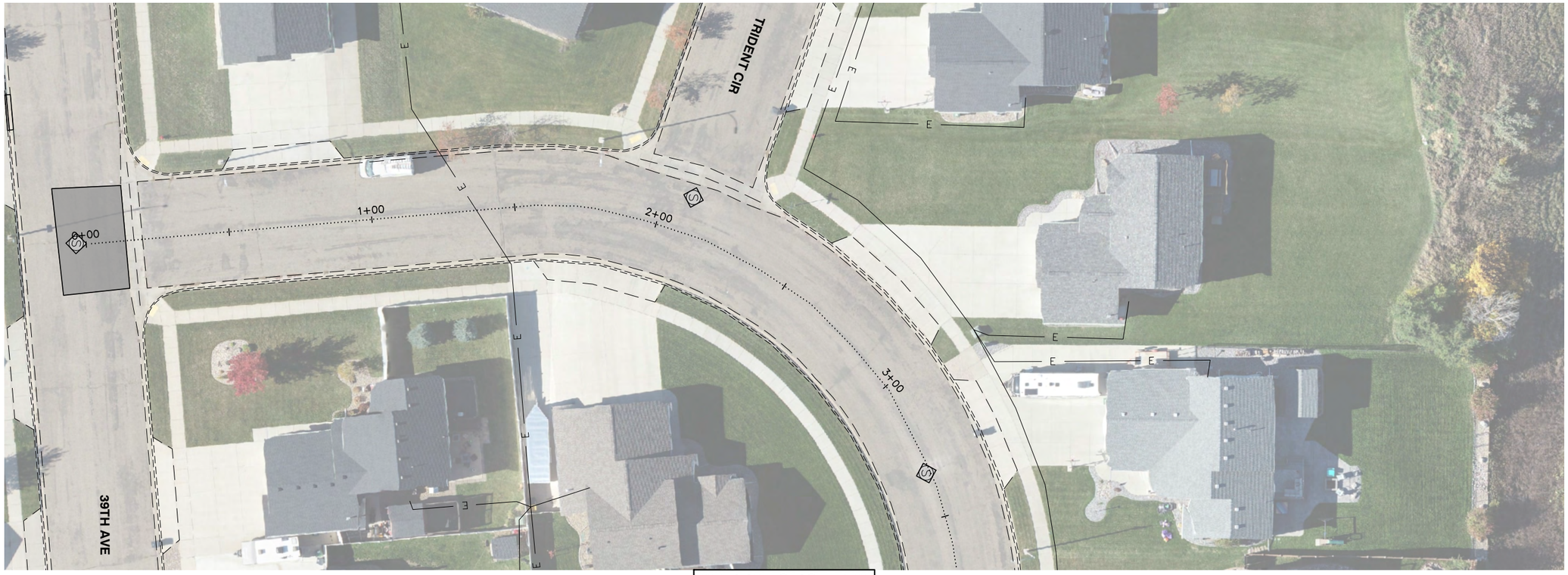
moore engineering, inc.

ROADWAY - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
48TH STREET NW - STA 10+00 - 18+00

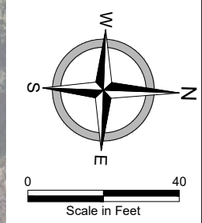
DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-527

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Streets.dwg

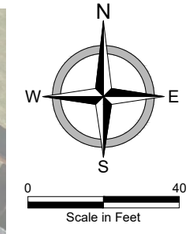


PRELIMINARY



moore engineering, inc.

WILDRYE CIRCLE NW

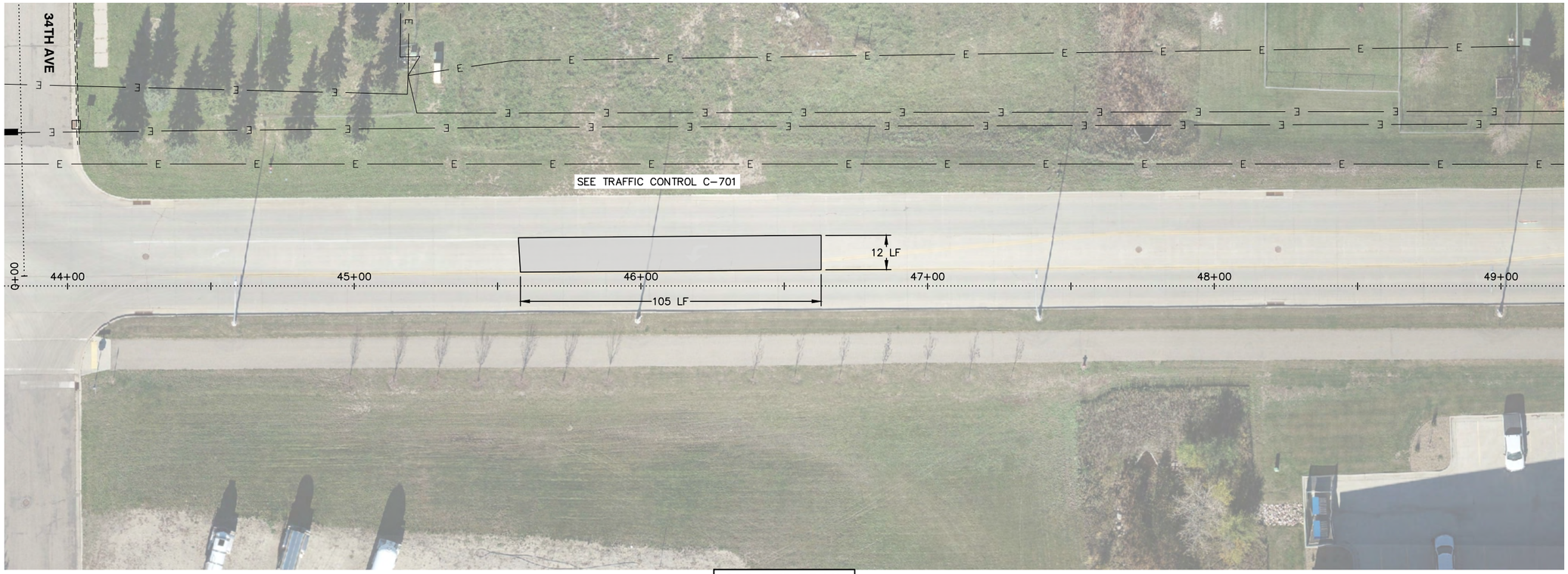


ROADWAY - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
WILDRYE CIRCLE NW - STA 0+00 - 10+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-528

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Streets.dwg



OLD RED TRAIL

PRELIMINARY

N
W
E
S

0 40
Scale in Feet

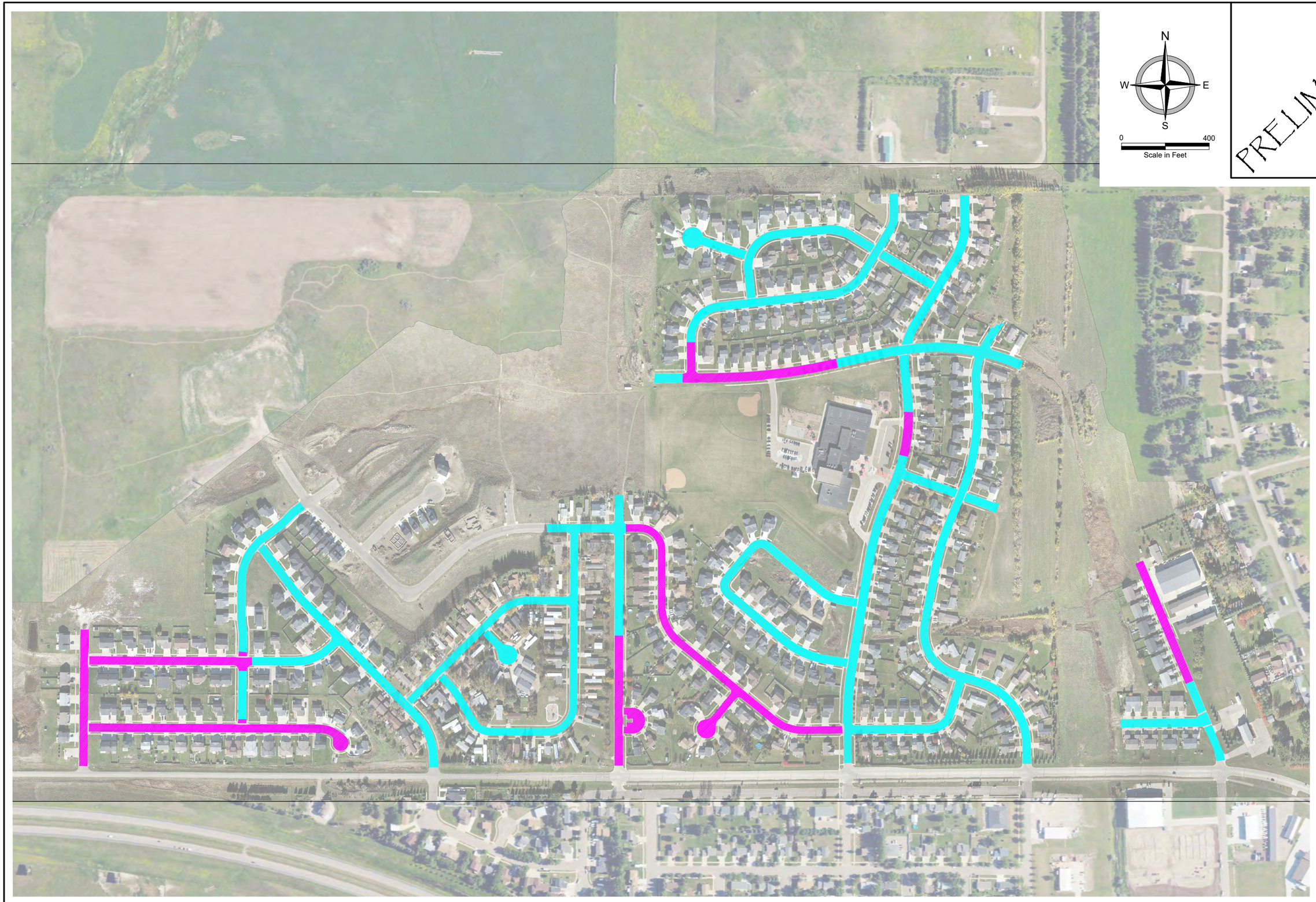
moore engineering, inc.

ROADWAY - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
OLD RED TRAIL - STA 44+00 - 49+00

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-529

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Roadway-Streets.dwg



PRELIMINARY

moore engineering, inc.

ROADWAY - STREETS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
PAVEMENT REHABILITATION

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-530

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Site.dwg

PRELIMINARY

moore engineering, inc.

SITE PLANS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
SHEET INDEX

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-600

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Site.dwg

PRELIMINARY

N
W E
S

0 40
Scale in Feet

moore engineering, inc.

OLD RED TRAIL

N
W E
S

0 40
Scale in Feet

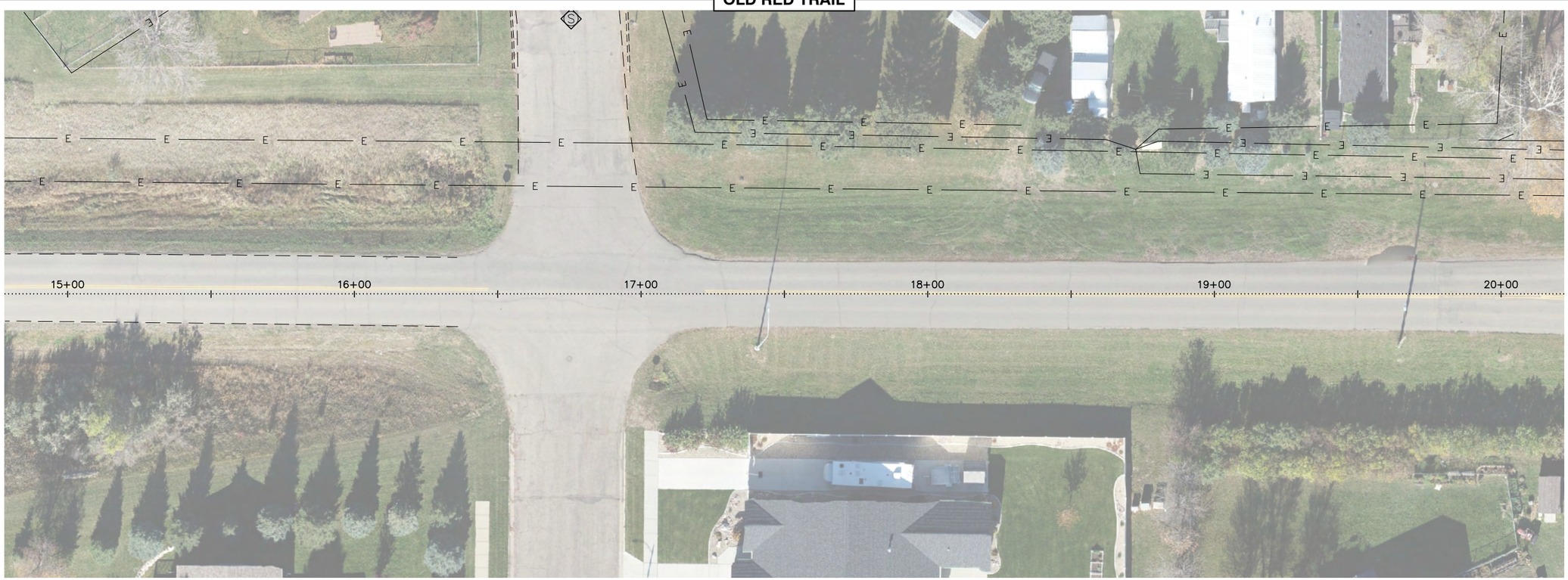
SITE PLANS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
OLD RED TRIAL

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-601

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-Site.dwg

OLD RED TRAIL



PRELIMINARY

N
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S

0 40
Scale in Feet

moore engineering, inc.

SITE PLANS
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
OLD RED TRAIL

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-602

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-ADA.dwg

ADA REQUIREMENTS:

Pedestrian facilities on this Project must be constructed according to Public Right of Way Accessibility Guidelines (PROWAG) https://www.access-board.gov/ada/ The appropriate pedestrian ramp details are included in the Plan in addition to specific ramps in which design is shown. These details are for reference only and are not necessarily to design standards. The Engineer may provide additional details to those provided in the Plan that meet PROWAG and NDDOT ADA Standards as the need arises and field conditions dictate.

1. Designate a certified person to assess proposed sidewalk layouts at each site at the preconstruction meeting. Certification is obtained by passing MnDOT's ADA Construction Certification Course, within the past 3 years. For class dates and locations please refer to the following link at: http://www.dot.state.mn.us/ada/training.html. Other certifications may be accepted with the pre-approval of engineer.

   A minimum of one person per project must possess a valid ADA Construction Certification card anytime ADA work is being performed on the project.

   ADA work includes: assessment of proposed sidewalk layouts at each site before work begins, determining and marking removal limits for work pertaining to pedestrian facilities, ADA related removals and grading, forming and finishing of concrete at pedestrian facilities, paving pedestrian crossings, placing bituminous pedestrian facilities, final grading, and pavement markings. Any ADA work not listed above can be added at the discretion of the Engineer.

2. Pedestrian facilities must be constructed to meet the following criteria:
   A. Pedestrian Access Routes (PAR) must be constructed to meet the following:
      i. Minimum 4 feet width.
      ii. A maximum cross slope of 2.1%.
      iii. Vertical discontinuities must be less than 1/4 inches.
      iv. Must provide positive drainage without allowing any ponding and maintain existing drainage flow patterns unless indicated otherwise in the Plan.
      v. All grade breaks shall be constructed perpendicular to the path of travel.
      vi. Maximum 5% running slope unless adjacent roadway profile exceeds 5%.

   B. Landings are part of the PAR and must be constructed to meet the following:
      i. 4 feet by 4 feet minimum width and shall match full width of incoming PAR.
      ii. Maximum slope of 2.1% in all directions.
      iii. Required at all locations where the PAR changes directions or inverse running slopes are greater than 2.1%.
      iv. Must be connected to the PAR.
      v. Shall be constructed as a single plane surface having no grade breaks.
      vi. Initial landings must be constructed as an independent concrete pour.

   C. Ramps are part of the PAR and must be constructed to meet either of the following criteria:
      i. Longitudinal slopes less than 5% in the direction of travel require no landing at the top of the ramp (unless the PAR changes direction).
      ii. Longitudinal slopes between 5 - 8.3% in the direction of travel require a landing at the top of the ramp.

3. The Contractor and the Engineer shall work together to construct all pedestrian facilities outlined in the plans and in the requirements listed above.

   Before any ADA construction begins, the Project Engineer will schedule and facilitate an onsite pre-activity meeting consisting of a project walk-through with the Prime Contractor and the Concrete Flatwork Contractor's ADA Construction Certified person. This pre-activity meeting should discuss and document potential issues, any known plan changes, potential discrepancies, and any modifications to the construction plan. The project team should discuss the ADA construction schedule and incorporate it into the requirements of Progress Schedules, including the 2-week look ahead meetings for ADA activities. The discussion should include the sequence of removals and grading, utility placement and relocations, concrete curb and gutter, curb ramp, sidewalk, driveway placements, signals and lighting, temporary pedestrian access including both commercial and residential access, Temporary Pedestrian Access Routes/Alternate Pedestrian Access Routes, and traffic control staging. The Contractor should discuss what equipment, formwork, and materials will be utilized on the project and how the pedestrian facilities will be constructed.

   Notify the Engineer if the plan or site conditions do not allow PROWAAG and NDDOT ADA standards to be met. The Contractor shall consult with the Engineer to determine a resolution. The Engineer shall respond to the Contractor, in a timely manner (up to 24 hours), with a solution on how to proceed. The Contractor shall mitigate any potential delays by progressing other available work on the project.

   The Engineer will, upon request of the Contractor, review the forms for general compliance. This does not indemnify the Contractor from their responsibility to ensure compliance.

   Pedestrian facilities constructed that are not in accordance with the Plan, do not meet requirements above, or do not follow the agreed upon resolution with the Engineer, will be corrected by the Contractor at no expense to the Owner.

   The following will be utilized in the construction of pedestrian facilities:

   A. Removal Limits
      i. The Contractor and the Engineer shall use the appropriate ramp, sidewalk, and driveway details in the Plan, and calculate the removal limits for the sidewalk and curb and gutter. If it is determined that the removal limits will exceed the plan removal limits by more than 10 feet and the plan removal limits are not adequate to meet PROWAG and NDDOT ADA Standards the Contractor shall consult with the Engineer to determine a solution. Once the Engineer and the Contractor reach an agreement on how to proceed, the Contractor may finish the removals.

   B. Curb and Gutter at Quadrants
      Prior to pouring the curb and gutter at curb ramps the Contractor and the Engineer must verify:
      i. that the curb and gutter will work with any vertical constraints (doorways, steps, bus stops, outwalks and landing areas).
      ii. zero height curb, and curb transitions will be located as shown in the Plans and will provide an adequate detectable edge as shown on Standard Drawings and ADA Details.
      iii. verify curb tapers are constructed at correct heights so that positive boulevard slopes and drainage is maintained away from landings and sidewalks, to the newly constructed curb and gutter sections.
      iv. gutter flow lines shall provide positive drainage, maintain existing drainage patterns including existing gutter inflows/outflows. The curb and gutter shall be constructed as detailed in the Plan with a defined flow line and have no vertical discontinuities over 1/4 inch. For required flow line corrections including curb line raises and curb ramp cross slope "tabling", see Standard Drawings and ADA Details. Curb shall be poured at 3 percent inflow and outflow around the radius or at a minimum distance of 10 feet from any zero height curb section when machine placed. The Contractor shall consult with the Engineer to determine a resolution if any of these conditions cannot be met. Once the Engineer and the Contractor reach an agreement on how to proceed, the Contractor may proceed with pouring the curb and gutter.
      v. Contractor to verify outflow curb is needed, with valley gutter or as shown on the Plan.

   C. Curb and Gutter at Roadway Sections
      Prior to pouring curb and gutter at roadway sections the Contractor must verify:
      i. Proposed curb and gutter heights will work with existing roadway and shoulder slopes.

PRELIMINARY

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ADA
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
ADA NOTES

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C-701

The top grade break of walkable flares needs a visual joint to indicate a change in grade. To eliminate the use of excessive contraction joints in the quadrant the visual joint depth requirement is reduced to 1/4 inch.

All saw cutting, tooling, expansion joint material, and separation joint material shall be incidental to payment of curb and gutter, sidewalks, driveways, curb ramps, and landings.

The Contractor shall use an approved 1/2 inch expansion material meeting the Specifications between the outside edge of sidewalk and existing building or structures. Expansion or separation material shall not be placed in the longitudinal joint between the sidewalk and boulevard joint, unless it is necessary to provide expansion at fixed structures.

At locations where sidewalk is adjacent to existing buildings, extend walk up to the edge of building and place minimum 1/2 inch preformed joint filler 1/2 inch lower than top of walk whenever possible. If the transverse sidewalk and boulevard joint layouts cannot be aligned, use approved preformed joint filler with a maximum 1/8 inch width and place between the sidewalk and boulevard to prevent contraction joints from migrating into the adjacent concrete panels.

8. The minimum continuous and unobstructed clear width of a Pedestrian Access Route shall be 4.0 feet. All new or reconstructed sidewalk widths shall match or exceed in place sidewalk and in no case shall it be less than 4.0 feet in width except at locations where obstructions cannot be moved or at driveways where slopes exceed the maximum allowable grades. The cross slope of the sidewalk or shared use path shall not exceed 2.1%, and shall be measured perpendicular to the path of travel across the entire surface width of the sidewalk or shared use path. Curb ramps should match proposed sidewalk PAR width and shall match full shared use path widths. Whenever possible, the entire landings should be placed in a single concrete placement. If this is not possible due to construction staging, follow requirements for reinforcement bar placement and tie adjacent landings together.

   In areas where the sidewalk is to be constructed around fixed structures and the grade has been changed, the sidewalk shall be finished around these structures to the satisfaction of the Engineer at no additional cost.

   The Ramp thickness shall be 4” reinforced, all 4” sidewalk and landings shall be reinforced. Reinforcement to follow Sidewalk Detail. Tie to existing sidewalk and curb per details.

   Architectural elements such as brick pavers, concrete stamping, and multiple colored concrete placements shall be kept outside the curb ramps and landing areas. Any architectural elements that do not maintain a consistent flat smooth surface shall not be used within the PAR.

9. Any contradictions between these notes, the NDDOT Standard Drawings or specifications, and the ADA Details shall be resolved by the Engineer.

10. CURB HEADER -TYPE I: Grade adjacent grassed areas to sidewalk at a maximum 10% slope. Field Engineer will coordinate with property owners of adjacent private property in need of grading improvements. If property owner will not allow grading improvements within private property, Curb Header-Type I will be installed as needed, up to quantities shown in Curb Ramp Tabulation to avoid disruption to private property. Curb Header-Type I will also be required in areas where grading is not feasible due to constraints such as an existing fence, pavement, or landscaping. Field Engineer and Contractor to confirm if Curb Header-Type I is required at all ADA ramp improvement locations. Include all costs to install Curb Header-Type I as indicated in the Curb Ramp Tabulation in the price bid for “Curb Header-Type 1”.

PRELIMINARY

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ii. The Contractor shall verify prior to placing the pedestrian facilities that positive drainage is maintained within public Right of Way (RW), as well as maintaining existing drainage outside of the ROW. The Contractor shall check to ensure all top back of curb elevations will allow for adequate boulevard slopes, PAR slopes, and widths as shown on Standard Drawings and ADA details while maintaining vertically constrained match points (doorways, steps, bus stops, outwalks and landing areas).

iii. The Contractor shall check all driveway locations and widths and conform to construction plans, and Sidewalk & Driveway Standard drawings for all driveway details including curb heights and curb tapers. Driveway curb sections and aprons shall be constructed to minimize changes in the sidewalk width, alignment, and profile. The Contractor shall consult with the Engineer to determine a resolution if any of these conditions cannot be met. Once the Engineer and the Contractor reach agreement on how to proceed, the Contractor may proceed with pouring the curb and gutter.

iv. When curb ramps are adjacent to bituminous roadways the concrete curb and gutter and curb ramps including concrete flares shall be tied or curb with ledge. Drill and grout tie bars in accordance with the details shown in ADA Details.

D. Grading, Forming and Finishing:
Foundation preparation work shall consist of constructing all necessary Subgrade Preparation, Aggregate Base, and Grading as indicated in the specifications and project plans. The testing for pedestrian facilities grading shall be in accordance with the specifications.

After the curb and gutter has been correctly poured, and the Contractor has set the sidewalk forms, the Contractor shall verify prior to placing the curb ramps and sidewalks that positive drainage is maintained within public RW, as well as maintaining existing off RW drainage, and that all the requirements above will be achieved.

i. Ramps
In addition, the longitudinal slopes shown in the Construction Plans and the Standard Plan shall be utilized unless these conditions cannot be met. The starting point for setting the forms on the controlling ramp leg, landing, and sidewalk slopes should be the following:

Standard = 7.7%
Fan = 4%
Landing = 1.5%
Sidewalk Cross Slope = 1.5%

If any of these requirements cannot be met the Contractor shall meet with the Engineer to determine the best solution. Once the Engineer and the Contractor reach an agreement on how to proceed, the Contractor may proceed with the curb ramp and sidewalk pour.

ii. Landings
An initial landing is the first required landing of a pedestrian ramp. The initial curb ramp landing should be constructed within 15 feet from the back of curb, only applicable when the initial ramp running slope is over 5.0%. Secondary curb ramp landings are required for every 30" of vertical rise when the longitudinal running slope is greater than 5%. All initial landings required at the top of a ramped sloped surface (greater than 5% longitudinal slope), shall be formed and placed separately in an independent concrete pour. This does not include initial landings placed at roadway grade such as depressed corners, parallel ramps, rural flat landings, or flat cut-throughs. Secondary landings consist of all landings beyond the initial landing. These secondary landings do not require a separate landing pour. The Contractor shall verify initial landing alignments and elevations to ensure ramp slopes are correct prior to placing curb and gutter. At a minimum this must include string line verification or the setting of landing forms

iii. Driveways
Driveways with concrete aprons matching into concrete sidewalks shall form and place the apron independent of the concrete sidewalk placement. The Contractor shall consult with the Engineer if separate concrete placements for specific driveway locations must be placed monolithic to maintain project schedule or maintain usage of commercial driveways.

All subgrade preparation and grading for the driveways, including placement of select grading materials and aggregate base, shall be completed prior to constructing any concrete driveway flatwork including both concrete walk sections and concrete apron sections.

All necessary subgrade preparation and aggregate base placement for the entire ramp construction limit shall be done before the initial landing is constructed at each location.

4. It shall be the responsibility of the Contractor, or Contractor's Surveyor if applicable, to lay out all proposed work at each intersection in accordance with the Plan and requirements listed herein. The Contractor may confer with the Engineer for guidance in laying out the proposed work, but it will be the Contractor's responsibility to ensure the proposed work meets all the above listed requirements, Specifications, Standard Drawings and ADA Details. This layout includes, but is not limited to, placement of grade breaks, curb transitions, gutter flow lines, truncated dome placement, crosswalk marking placement, flares, landing limits, removal limits, driveway tie in limits, and ramp limits. It is important that the Contractor lay out this work properly to achieve the construction of a compliant pedestrian facility. The Owner's surveyor will only stake points and elevations provided in the Plan. For custom designs, other than specific dimensions provided in the Plan, the Contractor shall be expected to scale dimensions from the Plan as needed to construct the facility. If scaled dimensions do not allow for a facility to be constructed to meet the requirements, the Contractor shall follow the process listed above. This layout work shall be incidental.

5. The Contractor shall utilize measures and methods when working near existing buildings that will avoid damaging the building's face or structure. The contractor will be responsible for any damage to the building's face or structure, both below and above ground. Any damage resulting from Contractor's operations will be repaired at the Contractor's expense to the satisfaction of the Engineer.

6. The Contractor shall sawcut all concrete curb ramp, sidewalk, and driveway contraction joints. The only exception to the saw cutting contraction joints requirements will be for tooling relief joints on large driveway placements, and long sidewalk placements to prevent random cracks, and for tooling joints on minor repairs.

The Contractor shall snap chalk lines for contraction joint layouts and discuss with the Engineer the locations of all saw cutting, tooled contraction relief joints, and any modifications to Standard Drawings and ADA Details.

The Contractor and Engineer shall coordinate and agree on all expansion joint layouts before any concrete placements.

The Contractor shall saw cut curb and gutter contraction joints within the PAR including contraction joints at zero-inch height curb locations.

7. The Contractor will round all joints and edges with a 1/4 inch radius grooving or edging tool within the PAR where minor tooling is permitted. This requirement includes all curb and gutter joints at zero inch height curb sections at curb ramps. Contraction joints shall extend to at least 30 percent of walk thickness. The Contractor shall also have the option of providing saw cuts to construct the sidewalk joints. If saw cutting, provide 1/8 inch wide contraction joints within the PAR, including all curb and gutter joints at zero inch height curb sections. When greater than 50 feet of continuous sidewalk runs are constructed the Contractor shall saw cut all joints. This work shall be incidental.

PRELIMINARY

moore engineering, inc.

ADA
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
ADA NOTES

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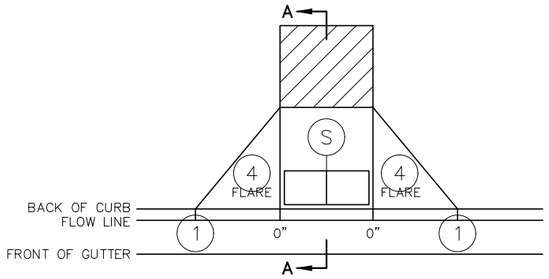
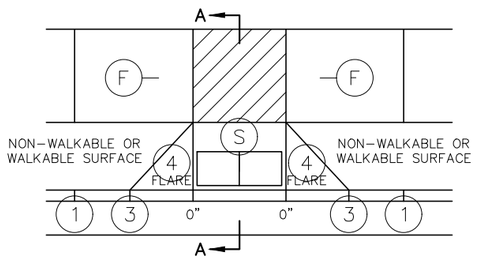
C-703

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-ADA.dwg



PERPENDICULAR



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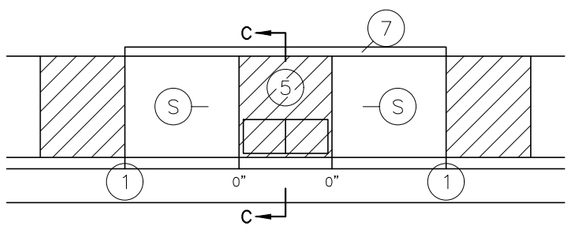
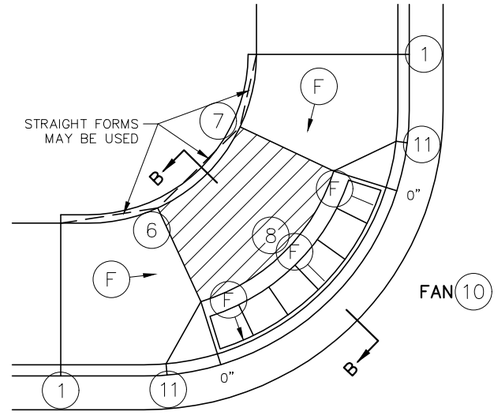
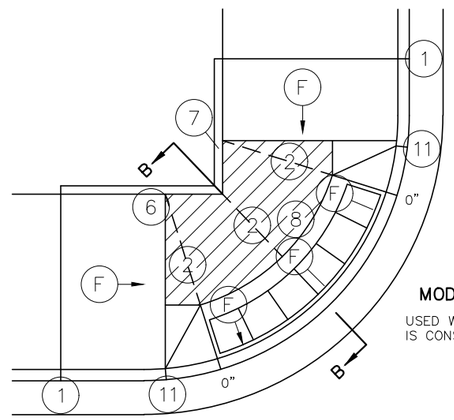


PARALLEL

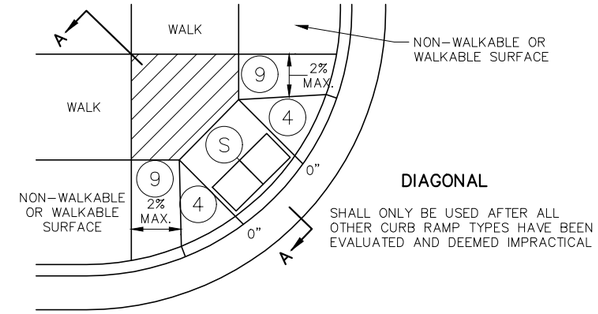


FAN 10



MODIFIED FAN 10

USED WHEN RIGHT-OF-WAY
IS CONSTRAINED



DIAGONAL

SHALL ONLY BE USED AFTER ALL
OTHER CURB RAMP TYPES HAVE BEEN
EVALUATED AND DEEMED IMPRACTICAL

PRELIMINARY

GENERAL NOTES:

CONTRACTION JOINTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS WITHIN THE PAR. ¼" DEEP VISUAL JOINTS SHALL BE USED AT THE TOPS OF CONCRETE FLARES ADJACENT TO THE WALKABLE SURFACES.

ALL GRADE BREAKS WITHIN THE PAR SHALL BE PERPENDICULAR TO THE PATH OF TRAVEL. THUS BOTH SIDES OF A SLOPED WALKING SURFACE MUST BE EQUAL LENGTH. (EXCEPT AS STATED IN 6. BELOW).

TO ENSURE RAMPS AND LANDINGS ARE PROPERLY CONSTRUCTED, ALL INITIAL LANDINGS AT THE TOP OF A RAMPED SURFACE (RUNNING SLOPE GREATER THAN 2.0%) SHALL BE FORMED AND PLACED SEPARATELY IN AN INDEPENDENT CONCRETE POUR. FOLLOW SIDEWALK REINFORCEMENT DETAILS ON C-709 FOR ALL SEPARATELY POURED INITIAL LANDINGS.

WHEN SIDEWALK IS AT BACK OF CURB, TOP OF CURB SHALL MATCH PROPOSED ADJACENT WALK GRADE. MAINTAIN POSITIVE BOULEVARD DRAINAGE TO TOP OF CURB.

ALL RAMP TYPES SHOULD HAVE A MINIMUM 3' LONG RAMP LENGTH.

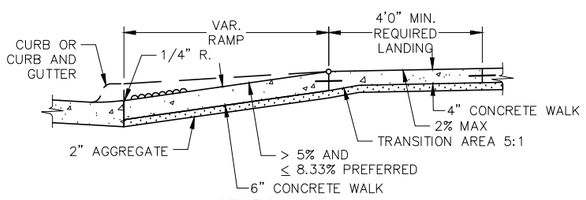
4' MINIMUM WIDTH OF DETECTABLE WARNING PANELS IS REQUIRED FOR ALL RAMPS. DETECTABLE WARNINGS SHALL CONTINUOUSLY EXTEND FOR A MIN. OF 24" IN THE PATH OF TRAVEL. DETECTABLE WARNING TO COVER ENTIRE PAR WIDTH OF THE WALK WITH THE EXCEPTION OF 2" MAXIMUM ON EACH OUTSIDE EDGE WHICH ENSURES THE DETECTABLE WARNINGS ARE ENCASED IN CONCRETE WHEN ADJACENT TO TURF. WHEN ADJACENT TO CONCRETE FLARES 0"-2" OFFSET IS ALLOWED.

WHEN DESIGNING OR ORDERING RECTANGULAR DETECTABLE WARNING SURFACES SHOULD BE NO MORE THAN 6" LESS THAT THE INCOMING PAR. ARC LENGTH OF THE RADIAL DETECTABLE WARNINGS SHOULD NOT BE GREATER THAN 20 FEET.

RECTANGULAR DETECTABLE WARNINGS SHALL BE SETBACK 2" FROM THE BACK OF CURB. RADIAL DETECTABLE WARNINGS SHALL BE SETBACK 2" MINIMUM TO 6" MAXIMUM FROM BACK OF CURB.

NOTES:

1. MATCH FULL HEIGHT CURB.
2. 4' MINIMUM DEPTH LANDING REQUIRED ACROSS TOP OF RAMP.
3. 3" HIGH CURB WHEN USING A 3' LONG RAMP, 4" HIGH CURB WHEN USING A 4' LONG RAMP.
4. SEE C-707, TYPICAL SIDE TREATMENT OPTIONS, FOR DETAILS ON FLARES AND RETURNED CURBS.
5. DETECTABLE WARNINGS MAY BE PART OF THE 4'x4' MIN. LANDING AREA IF IT IS NOT FEASIBLE TO CONSTRUCT THE LANDING OUTSIDE OF THE DETECTABLE WARNING AREA.
6. THE GRADE BREAK SHALL BE PERPENDICULAR TO BACK OF WALK. THIS WILL ENSURE THAT THE GRADE BREAK IS PERPENDICULAR TO THE DIRECTION OF TRAVEL. (TYPICAL FOR ALL)
7. WHEN ADJACENT TO GRASS, GRADING SHALL ALWAYS BE USED WHEN FEASIBLE. TYPE I CURB IF USED, SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS. WHEN ADJACENT TO PARKING LOTS, CONCRETE OR BITUMINOUS TAPERS LESS THAN 5% RUNNING SLOPE SHOULD BE USED OVER TYPE I CURB TO REDUCE TRIPPING HAZARDS AND FACILITATE SNOW AND ICE REMOVAL.
8. A 7' MIN. TOP RADIUS GRADE BREAK IS REQUIRED TO BE CONSTRUCTIBLE.
9. PAVE FULL WIDTH OF WALK.
10. "S" SLOPES ON FANS SHALL ONLY BE USED WHEN ALL OTHER FEASIBLE OPTIONS HAVE BEEN EVALUATED AND DEEMED IMPRACTICAL.
11. INTERMEDIATE CURB HEIGHTS TAPER SHALL RISE 8-10% TO A MINIMUM OF 3" CURB HEIGHT. REDUCE INTERMEDIATE CURB HEIGHT 2"+ IF NECESSARY TO MATCH ADJACENT BOULEVARD OR SIDEWALK GRADES.



SECTION A-A
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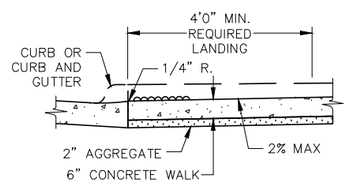
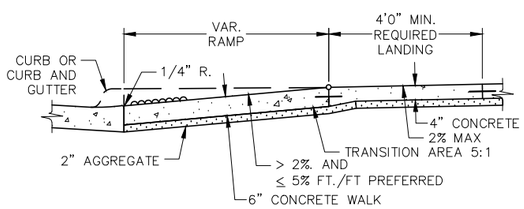
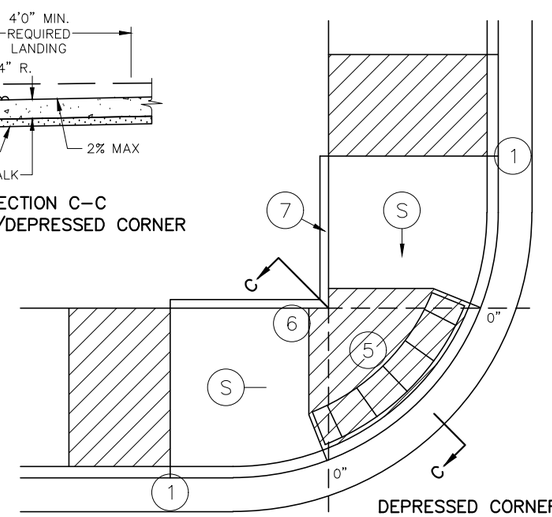


SECTION C-C
PARALLEL/DEPRESSED CORNER



SECTION B-B
FAN



DEPRESSED CORNER

LEGEND

THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED,

S — INDICATES PEDESTRIAN RAMP – SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0% (1.5% PREFERRED)

F — INDICATES PEDESTRIAN RAMP – SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0% (1.5% PREFERRED)

LANDING AREA – 4'x4' MIN. (5'x5' MIN. PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS (1.5% PREFERRED). LANDING SHALL BE FULL WIDTH OF INCOMING PARS.

X" — CURB HEIGHT

moore engineering, inc.

ADA
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
ADA DETAILS

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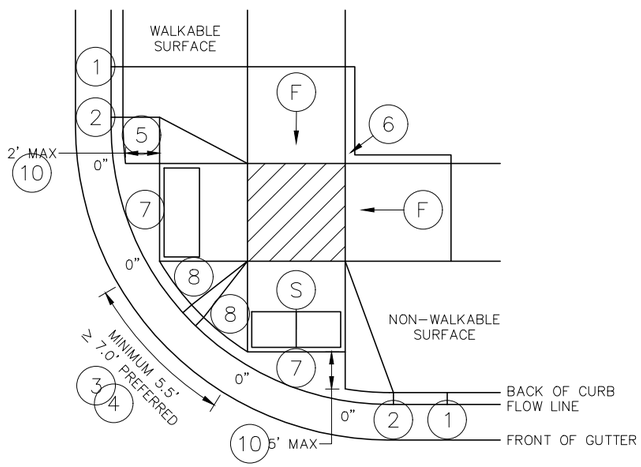
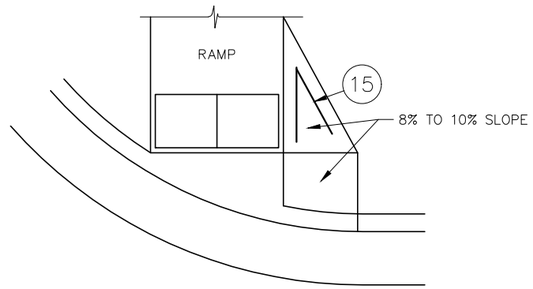
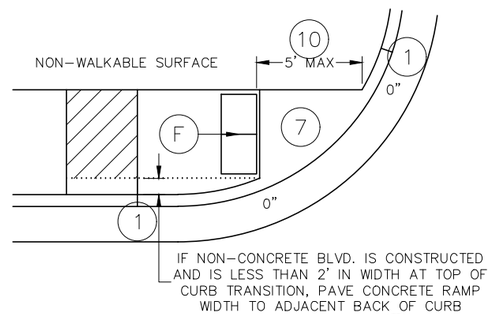


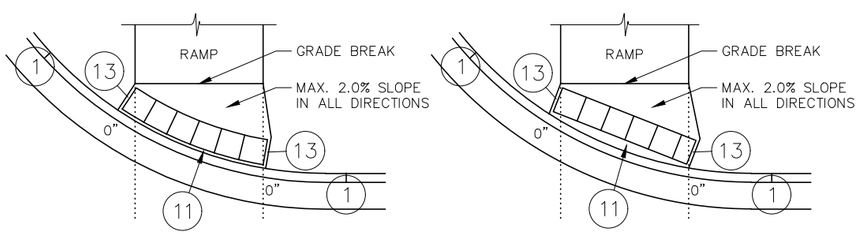
COMBINED DIRECTIONAL



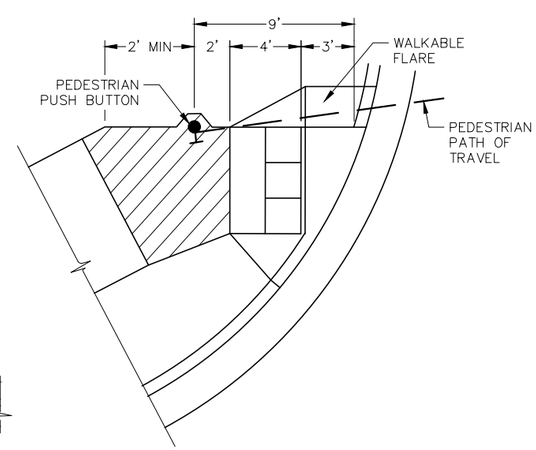
DIRECTIONAL RAMP WALKABLE FLARE



STANDARD ONE-WAY DIRECTIONAL (9)



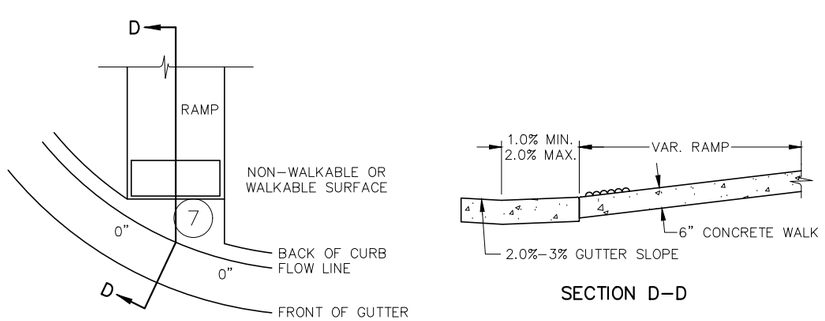
ONE-WAY DIRECTIONAL WITH DETECTABLE WARNING AT BACK OF CURB



SEMI-DIRECTIONAL RAMP (3)(4)(9)

3' DOME SETBACK, 4' LONG RAMP AND PUSH BUTTON 9' FROM THE BACK OF CURB

PRIMARILY USED FOR APS APPLICATIONS WHERE THE PAR DOES NOT CONTINUE PAST THE PUSH BUTTON (DEAD-END SIDEWALK)



SECTION D-D

CURB FOR DIRECTIONAL RAMPS (14)

LEGEND

THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED,

(S) INDICATES PEDESTRIAN RAMP – SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0% (1.5% PREFERRED)

(F) INDICATES PEDESTRIAN RAMP – SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0% (1.5% PREFERRED)

LANDING AREA – 4'x4' MIN. (5'x5' MIN. PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS (1.5% PREFERRED). LANDING SHALL BE FULL WIDTH OF INCOMING PARS.

X" CURB HEIGHT

GENERAL NOTES:

CONTRACTION JOINTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS WITHIN THE PAR. ¼" DEEP VISUAL JOINTS SHALL BE USED AT THE TOPS OF CONCRETE FLARES ADJACENT TO THE WALKABLE SURFACES.

ALL GRADE BREAKS WITHIN THE PAR SHALL BE PERPENDICULAR TO THE PATH OF TRAVEL. THUS BOTH SIDES OF A SLOPED WALKING SURFACE MUST BE EQUAL LENGTH.

FOLLOW SIDEWALK REINFORCEMENT DETAILS ON C-709 AND THE ADA SPECIAL PROVISION (PROSECUTION OF WORK).

TOP OF CURB SHALL MATCH PROPOSED ADJACENT WALK GRADE.

WHEN THE BOULEVARD IS 4' WIDE OR LESS, THE TOP OF CURD TAPER SHALL MATCH THE RAMP SLOPES TO REDUCE NEGATIVE BOULEVARD SLOPES FROM THE TOP BACK OF CURB TO THE PAR.

ALL RAMP TYPES SHOULD HAVE A MINIMUM 3' LONG RAMP LENGTH.

4' MINIMUM WIDTH OF DETECTABLE WARNING PANELS IS REQUIRED FOR ALL RAMPS. DETECTABLE WARNINGS SHALL CONTINUOUSLY EXTEND FOR A MIN. OF 24" IN THE PATH OF TRAVEL. DETECTABLE WARNING TO COVER ENTIRE PAR WIDTH OF THE WALK WITH THE EXCEPTION OF 2" MAXIMUM ON EACH OUTSIDE EDGE WHICH ENSURES THE DETECTABLE WARNINGS ARE ENCASED IN CONCRETE WHEN ADJACENT TO TURF. WHEN ADJACENT TO CONCRETE FLARES 0"-2" OFFSET IS ALLOWED.

WHEN DESIGNING OR ORDERING RECTANGULAR DETECTABLE WARNING SURFACES SHOULD BE NO MORE THAN 6" LESS THAT THE INCOMING PAR. ARC LENGTH OF THE RADIAL DETECTABLE WARNINGS SHOULD NOT BE GREATER THAN 20 FEET.

RADIAL DETECTABLE WARNINGS SHALL BE SETBACK 2" MINIMUM TO 6" MAXIMUM FROM THE BACK OF CURB. SEE NOTES 10 & 11 FOR INFORMATION REGARDING RECTANGULAR DETECTABLE WARNING PLACEMENT.

(#) NOTES:

1. MATCH FULL HEIGHT CURB.
2. 3" HIGH CURB WHEN USING A 3' LONG RAMP
   4" HIGH CURB WHEN USING A 4' LONG RAMP.
3. 3" MINIMUM CURB HEIGHT (5.5' MIN. DISTANCE REQUIRED BETWEEN DOMES)
   4" PREFERRED (7' MIN. DISTANCE REQUIRED BETWEEN DOMES)
4. THE "BUMP" IN BETWEEN RAMPS SHOULD NOT BE IN THE PATH OF TRAVEL FOR COMBINED DIRECTIONAL RAMPS. IF THIS OCCURS MODIFY THE RAMP LOCATION OR SWITCH RAMP TO A FAN/DEPRESSED CORNER.
5. WHEN USING CONCRETE PAVED FLARES ON THE OUTSIDE OF DIRECTIONAL RAMPS, AND ADJACENT TO A WALKABLE SURFACE, DIRECTIONAL RAMP FLARES SHALL BE USED. SEE DETAIL ON THIS SHEET.
6. GRADING SHALL ALWAYS BE USED WHEN FEASIBLE. TYPE I CURB IF USED, SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS. WHEN ADJACENT TO PARKING LOTS, CONCRETE OR BITUMINOUS TAPERS LESS THAN 5% RUNNING SLOPE SHOULD BE USED OVER TYPE I CURB TO REDUCE TRIPPING HAZARDS AND FACILITATE SNOW AND ICE REMOVAL.
7. MAX 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK AND DRAIN TO FLOW LINE. SHALL BE CONSTRUCTED INTEGRAL WITH CURB AND GUTTER.
8. 8% TO 10% WALKABLE FLARE.
9. PLACE DOMES AT THE BACK OF CURB WHEN ALLOWABLE SETBACK CRITERIA IS EXCEEDED.
10. FRONT EDGE OF DETECTABLE WARNING SHALL BE SET BACK 2' MAXIMUM WHEN ADJACENT TO WALKABLE SURFACE, AND 5' MAXIMUM WHEN ADJACENT TO NON-WALKABLE SURFACE WITH ONE CORNER SET 2" FROM BACK OF CURB. A WALKABLE SURFACE IS DEFINED AS A PAVED SURFACE ADJACENT TO A CURB RAMP WITHOUT RAISED OBSTACLES THAT COULD MISTAKENLY BE TRAVERSED BE A USER WHO IS VISUALLY IMPAIRED.
11. RECTANGULAR DETECTABLE WARNINGS MAY BE SETBACK UP TO 9" FROM THE BACK OF CURB WITH CORNERS SET 2" FROM BACK OF CURB. IF 9" SETBACK IS EXCEEDED USE RADIAL DETECTABLE WARNINGS.
12. FOR DIRECTIONAL RAMPS WITH DETECTABLE WARNINGS PLACED AT BACK OF CURB, THE DETECTABLE WARNINGS SHALL COVER THE ENTIRE WIDTH OF THE WALK/PATH. THIS ENSURES A DETECTABLE EDGE AND HELPS ELIMINATE THE CURB TAPER OBSTRUCTING THE PATH OF PEDESTRIAN TRAVEL.
13. THE CONCRETE WALK SHALL BE FORMED AND CONSTRUCTED PERPENDICULAR TO THE BACK OF CURB. MAINTAIN 2" BETWEEN THE EDGE OF DOMES AND EDGE OF CONCRETE.
14. TO BE USED FOR ALL DIRECTIONAL RAMPS, EXCEPT WHERE DOMES ARE PLACED ALONG THE BACK OF CURB.
15. PLACE 2 NO. 4 BARS 4" FROM SIDE OF FORMS WITH A MINIMUM 2" OF CONCRETE COVER ALONG EACH SIDE OF FLARE (INCIDENTAL).

PRELIMINARY

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ADA
2026 STREET IMPROVEMENT DISTRICT 241
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MANDAN, ND
ADA DETAILS

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REVIEWER:	MPG

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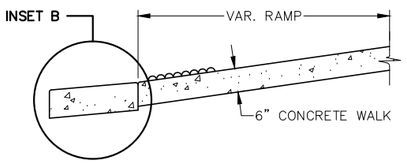
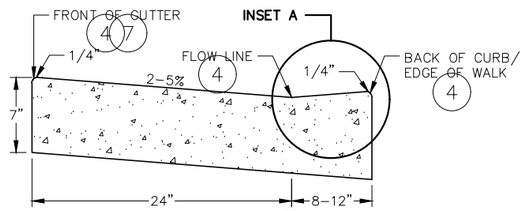
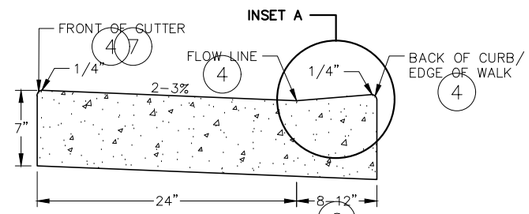


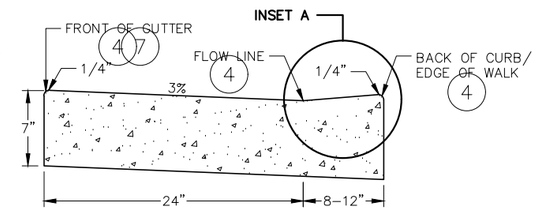


PERPENDICULAR 1

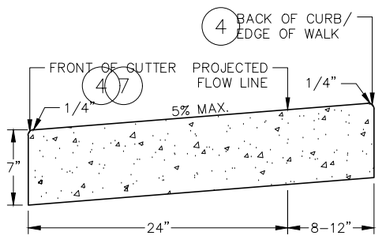


NON PERPENDICULAR 1 6

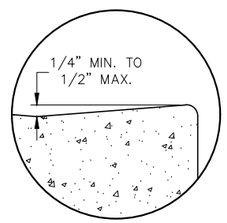
PEDESTRIAN ACCESS ROUTE CURB & GUTTER DETAIL



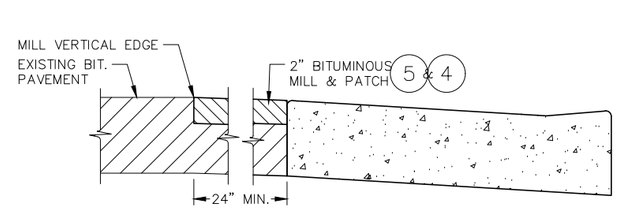
FOR CURB MACHINE PLACEMENT AROUND RADIUS 3
(REGARDLESS OF RAMP TYPE)

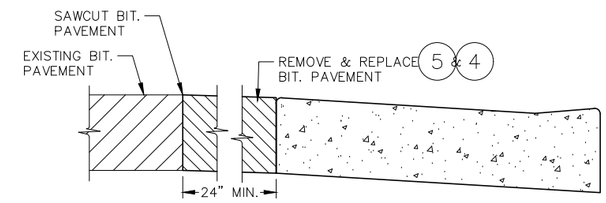


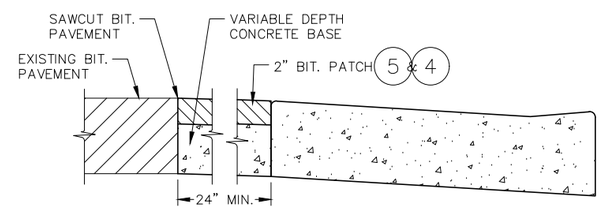
INSET B
OUTFLOW GUTTER 8



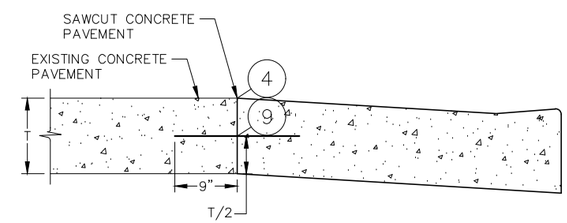
INSET A



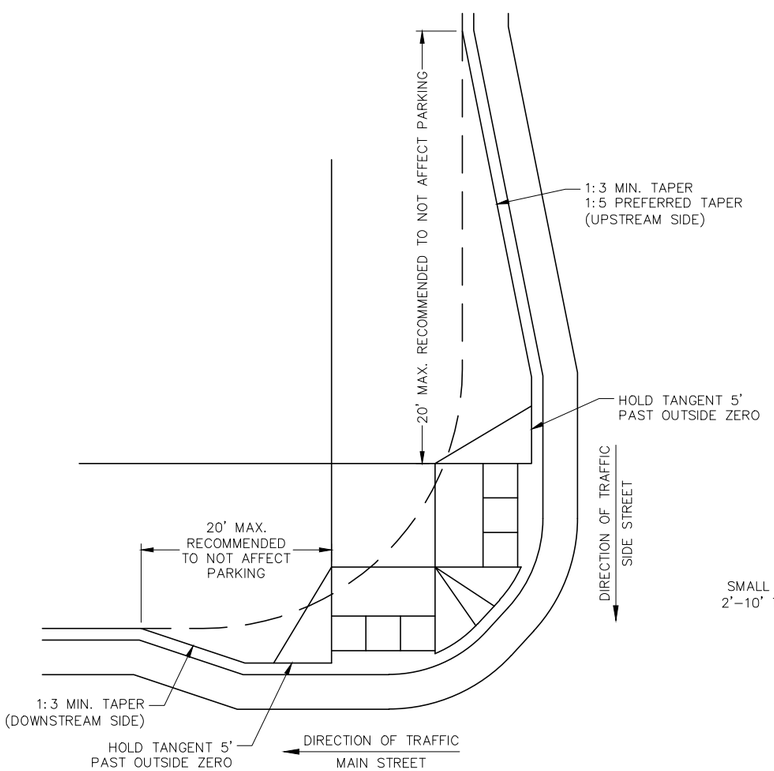




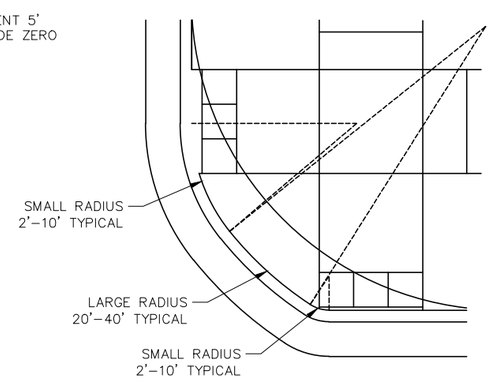
ONLY ALLOWED PER ENGINEER'S APPROVAL



PAVEMENT TREATMENT OPTIONS IN FRONT OF CURB & GUTTER
FOR USE ON CURB RAMP RETROFITS



ADA CURB EXTENSION WITH COMPOUND RADIUS (BUMP OUT)



COMBINED DIRECTIONAL 10
(COMPOUND RADIUS)

GENERAL NOTES:

POSITIVE FLOW LINE DRAINAGE SHALL BE MAINTAINED THROUGH THE PEDESTRIAN ACCESS ROUTE (PAR). NO PONDING SHALL BE PRESENT IN THE PAR.

ANY VERTICAL LIP THAT OCCURS AT THE FLOW LINE SHALL NOT BE GREATER THAN ¼".

NOTES:

1. FOR USE AT CURB CUTS WHERE THE PEDESTRIAN'S PATH OF TRAVEL IS ASSUMED PERPENDICULAR TO THE GUTTER FLOW LINE. RAMP TYPES INCLUDE: PERPENDICULAR, TIERED PERPENDICULAR, PARALLEL, AND DIAGONAL RAMPS.
2. FOR USE AT CURB RAMPS WHERE THE PEDESTRIAN'S PATH OF TRAVEL IS ASSUMED NON PERPENDICULAR TO THE GUTTER FLOW LINE. RAMP TYPES INCLUDE: FANS & DEPRESSED CORNERS.
3. BEGIN GUTTER SLOPE TRANSITION 10' OUTSIDE OF ALL CURB RAMPS.
4. THERE SHALL BE NO VERTICAL DISCONTINUITIES GREATER THAN ¼".
5. ELEVATION CHANGE TAKES PLACE FROM THE EXISTING TO NEW FRONT OF GUTTER. PATCH IS USED TO MATCH THE NEW GUTTER FACE INTO THE EXISTING ROADWAY.
6. VARIABLE WIDTH FOR DIRECTIONAL CURB APPLICATIONS. SEE C-705 FOR DIRECTIONAL CURB SLOPE REQUIREMENTS.
7. TOP FRONT OF GUTTER SHALL BE CONSTRUCTED FLUSH WITH PROPOSED ADJACENT PAVEMENT ELEVATION. TOP 1.5" OF THE GUTTER FACE MUST BE FORMED EDGE. PAR GUTTER SHALL NOT BE OVERLAID.
8. SHOULD BE USED AT VERTICALLY CONSTRAINED AREAS WHEN AT A DRAINAGE HIGH POINT OR SUPER ELEVATED ROADWAY SEGMENT.
9. DRILL AND GROUT NO. 4 EPOXY COATED 18" LONG TIE BARS AT 30" CENTER TO CENTER INTO EXISTING CONCRETE PAVEMENT 1' MINIMUM FROM ALL JOINTS.
10. HELPS PROVIDE TWO SEPARATE RAMPS, REDUCES THE DOME SETBACK LENGTH AND MINIMIZES DIRECTIONAL CURB. THIS RADIUS DESIGN CLOSELY FOLLOWS THE TURNING VEHICLE PATH WHILE OPTIMIZING CURB RAMP LENGTH.
11. CURB EXTENSIONS SHOULD BE USED IN VERTICALLY CONSTRAINED AREAS, USUALLY IN DOWNTOWN ROADWAY SEGMENTS WHERE ON-STREET PARKING IS AVAILABLE. CURB EXTENSIONS SHOULD BE CONSIDERED FOR APS INTERSECTIONS WHERE SPACE IS LIMITED. PUSH BUTTONS MUST MEET APS CRITERIA AS DESCRIBED IN THE PUSH BUTTON LOCATION DETAIL SHEET.

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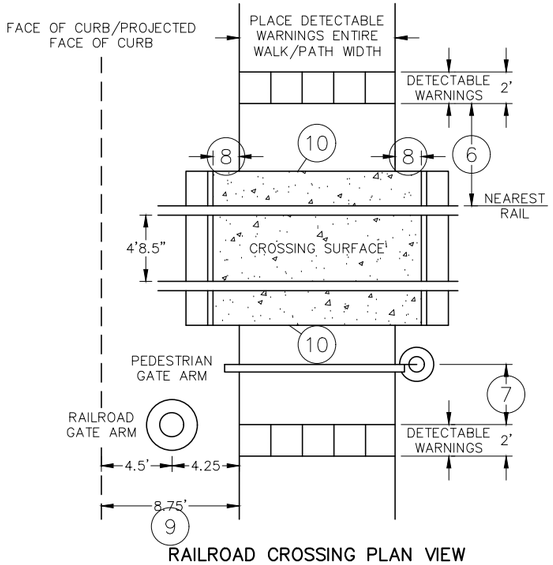
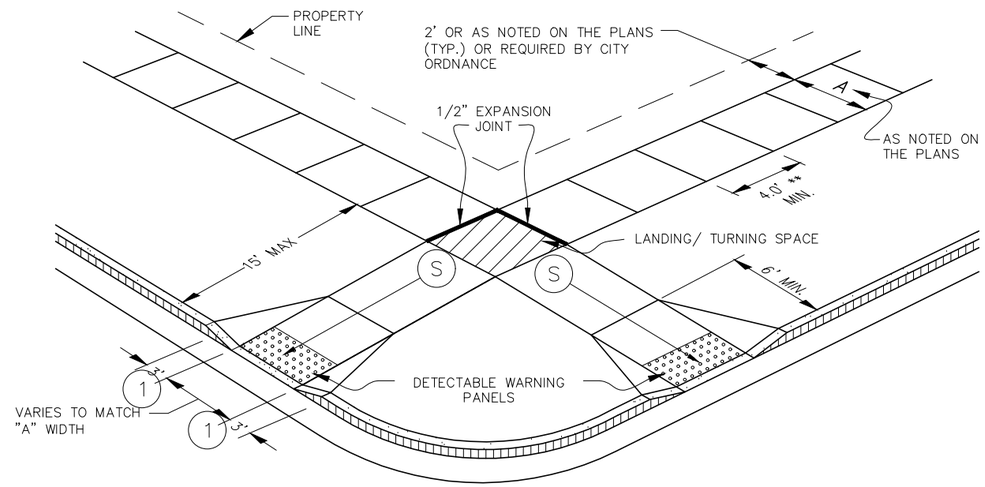
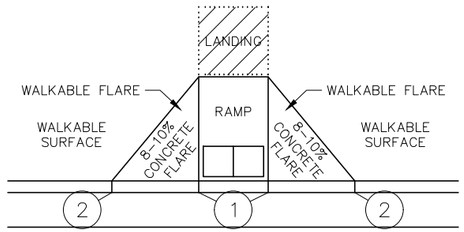


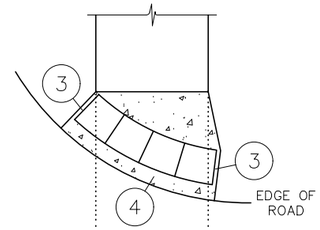
RAILROAD CROSSING PLAN VIEW



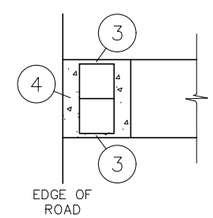
DETECTABLE EDGE WITH CURB AND GUTTER 5



PAVED FLARES
ADJACENT TO WALKABLE SURFACE

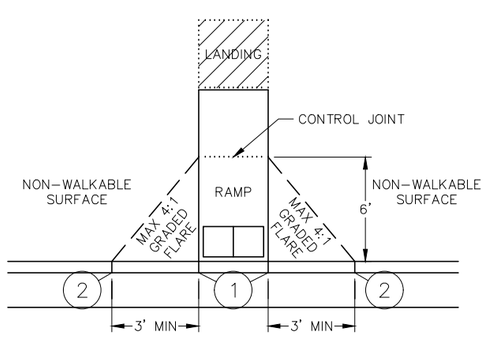


RADIAL DETECTABLE WARNING



RECTANGULAR DETECTABLE WARNING

DETECTABLE EDGE WITHOUT CURB AND GUTTER



PAVED FLARES
ADJACENT TO NON-WALKABLE SURFACE

LEGEND

THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED,

S — INDICATES PEDESTRIAN RAMP – SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0% (1.5% PREFERRED)

F — INDICATES PEDESTRIAN RAMP – SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0% (1.5% PREFERRED)

LANDING AREA – 4'x4' MIN. (5'x5' MIN. PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS (1.5% PREFERRED). LANDING SHALL BE FULL WIDTH OF INCOMING PARS.

X" CURB HEIGHT

GENERAL NOTES:

INTERMEDIATE CURB HEIGHTS TAPER SHALL RISE AT 8–10% TO A MINIMUM 3 INCH CURB HEIGHT INCREASE CURB TAPER LENGTH AT LESS THAN 8% OF REDUCE INTERMEDIATE CURB TO 2"+ IF NECESSARY TO MATCH ADJACENT BOULEVARD OR SIDEWALK GRADES.

SEE SPECIFICATION AND THIS SHEET FOR ADDITIONAL DETAILS ON DETECTABLE WARNING.

A WALKABLE SURFACE IS DEFINED AS A PAVED SURFACE ADJACENT TO A CURB RAMP WITHOUT RAISED OBSTACLES THAT COULD MISTAKENLY BE TRAVERSED BY A USER WHO IS VISUALLY IMPAIRED.

CONCRETE FLARE LENGTHS ADJACENT TO NON–WALKABLE SURFACES SHOULD BE LESS THAN 8' LONG MEASURED ALONG THE RAMPS FROM THE BACK OF CURB.

NOTES:

1. 0" CURB HEIGHT. SEE INSET A ON C–706.
2. FULL CURB HEIGHT.
3. WHEN NO CONCRETE FLARES ARE PROPOSED. THE CONCRETE WALK SHALL BE FORMED AND CONSTRUCTED PERPENDICULAR TO THE EDGE OF ROADWAY. MAINTAIN 2" MAX. BETWEEN EDGE OF DOMES AND EDGE OF CONCRETE.
4. IF NO CURB AND GUTTER IS PLACED IN RURAL SECTIONS, DETECTABLE WARNINGS SHALL BE PLACED 1' FROM THE EDGE OF BITUMINOUS ROADWAY AND/OR BITUMINOUS SHARED USE PATH TO PROVIDE VISUAL CONTRAST.
5. ALL CONSTRUCTED CURBS MUST HAVE A CONTINUOUS DETECTABLE EDGE FOR THE VISUALLY IMPAIRED. THIS DETECTABLE EDGE REQUIRES DETECTABLE WARNINGS WHEREVER THERE IS ZERO–INCH HIGH CURB. CURB TAPERS ARE CONSIDERED A DETECTABLE EDGE WHEN THE TAPER STARTS WITHIN 3" OF THE EDGE OF THE DETECTABLE WARNINGS. AND UNIFORMLY RISES TO A 3" MINIMUM CURB HEIGHT. ANY CURB NOT PART OF A CURB TAPER AND LESS THAN 3" IN HEIGHT IS NOT CONSIDERED A DETECTABLE EDGE AND THEREFORE IS NOT COMPLIANT WITH ACCESSIBILITY STANDARDS.
6. NEAREST EDGE OF DETECTABLE WARNING SURFACES SHALL BE PLACED 12' MINIMUM TO 15' MAXIMUM FROM THE NEAREST RAIL. FOR SKEWED RAILWAYS IN NO INSTANCE SHALL THE DETECTABLE WARNING BE CLOSER THAN 12' MEASURED PERPENDICULAR TO THE NEAREST RAIL.
7. WHEN PEDESTRIAN GATES ARE PROVIDED, DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE SIDE OF THE GATES OPPOSITE THE RAIL, 2' FROM THE APPROACHING SIDE OF THE GATE ARM. THIS CRITERIA GOVERNS OVER NOTE 11.
8. CROSSING SURFACE SHALL EXTEND 2' MINIMUM PAST THE OUTSIDE EDGE OF WALK OR SHARED USE PATH.
9. SIDEWALK TO BE PLACED 8.75' MIN. FROM THE FACE OF CURB/PROJECTED FACE OF CURB. THIS ENSURES MIN. CLEARANCE BETWEEN THE SIDEWALK AND GATE ARM COUNTERWEIGHT SUPPORTS.
10. CONSTRUCT WITH EXPANSION MATERIAL PER SPECIFICATION. EXPANSION MATERIAL SHALL MATCH FULL HEIGHT OF ADJACENT CONCRETE.

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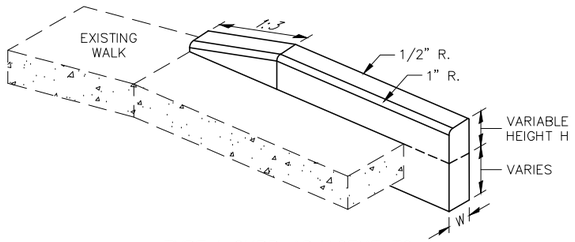
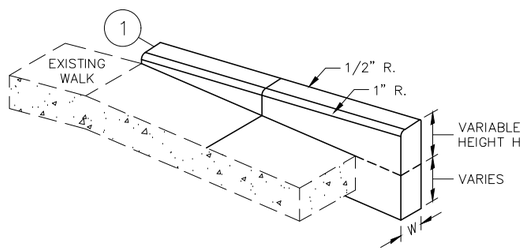
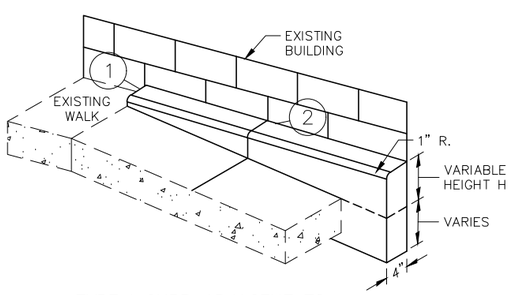


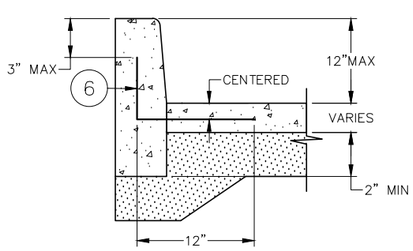
TYPE I CURB ADJACENT TO LANDSCAPE
CURB WITHIN SIDEWALK LIMITS



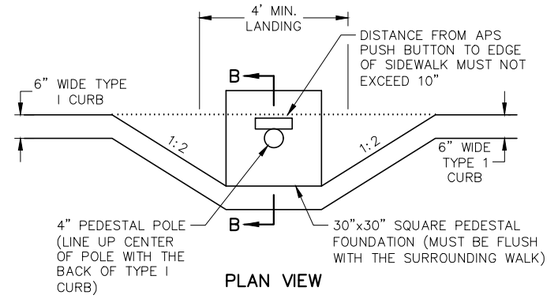
TYPE I CURB ADJACENT TO LANDSCAPE
CURB OUTSIDE SIDEWALK LIMITS



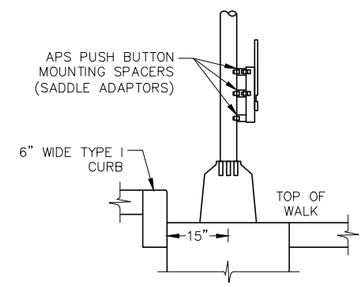
TYPE I CURB ADJACENT TO
BUILDING OR BARRIER



TYPE I CURB REINFORCEMENT

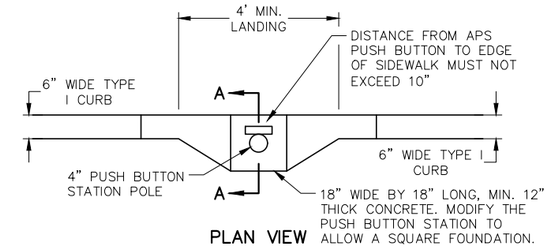


PLAN VIEW

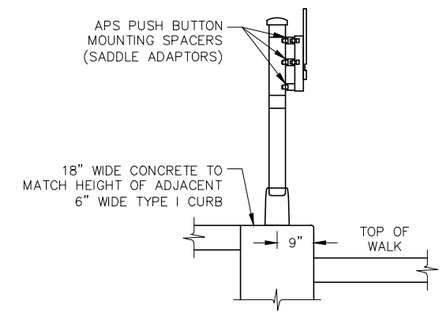


SECTION B–B

SIGNAL PEDESTAL & PUSH BUTTON (TYPE I CURB)

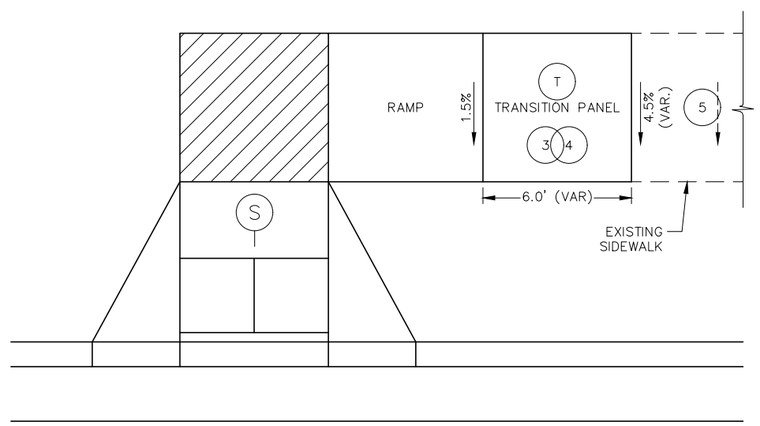


PLAN VIEW

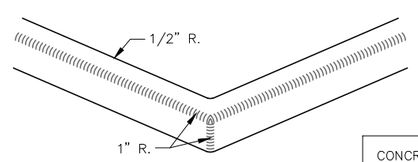


SECTION A–A

PUSH BUTTON STATION (TYPE I CURB)



TRANSITION PANEL 3 4



TYPE I CURB
INTERSECTION

CONCRETE CURB DESIGN TYPE I	
CURB HEIGHT H	CURB WIDTH W
<6"	4"
≥6"	6"

GENERAL NOTES:

A WALKABLE FLARE IS AN 8–10% CONCRETE FLARE THAT IS REQUIRED WHEN THE FLARE IS ADJACENT TO A WALKABLE SURFACE, OR WHEN THE PEDESTRIAN PATH OF TRAVEL OF A PUSH BUTTON TRAVERSES THE FLARE.

ALL TYPE I CURB CONTRACTION JOINTS SHALL MATCH CONCRETE WALK JOINTS.

WHERE RIGHT–OF–WAY ALLOWS, USE OF TYPE I CURB SHOULD BE MINIMIZED. GRADING ADJACENT TURF OR SLOPING ADJACENT PAVEMENT IS PREFERRED.

TYPE I CURB SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS.

TYPE I CURB NEXT TO BUILDING SHALL BE A 4" WIDTH AND SHALL BE 1" ABOVE PREVIOUS TOP OF SIDEWALK ELEVATIONS.

NOTES:

1. END TAPERS AT TRANSITION SECTION SHALL MATCH INPLACE SIDEWALK GRADES.
2. CONSTRUCT USING APPROVED EXPANSION MATERIAL PER SPECIFICATIONS. LEAVE A MAXIMUM ½" TOP GAP.
3. THE MAX. RATE OF CROSS SLOPE TRANSITIONING IS 1 LINEAR FOOT OF SIDEWALK PER 1 PERCENT CROSS SLOPE. WHEN PAR WIDTH IS GREATER THAN 6' OF THE RUNNING SLOPE IS GREATER THAN 5% DOUBLE THE CALCULATED TRANSITION LENGTH.
4. TRANSITION PANELS ARE TO ONLY BE USED AFTER THE RAMP, OR IF NEEDED, LANDING ARE AT THE FULL CURB HEIGHT (TYPICAL SECTION).
5. EXISTING CROSS SLOPE GREATER THAN 2.0%.
6. #3 "L" BAR AT 48" O/C (H)<6"
   #3 "L" BAR AT 24" O/C (H)>6"

LEGEND

THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED,

S — INDICATES PEDESTRIAN RAMP – SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0% (1.5% PREFERRED)

F — INDICATES PEDESTRIAN RAMP – SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0% (1.5% PREFERRED)

LANDING AREA – 4'x4' MIN. (5'x5' MIN. PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS (1.5% PREFERRED). LANDING SHALL BE FULL WIDTH OF INCOMING PARS.

X" CURB HEIGHT

PRELIMINARY

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ADA DETAILS

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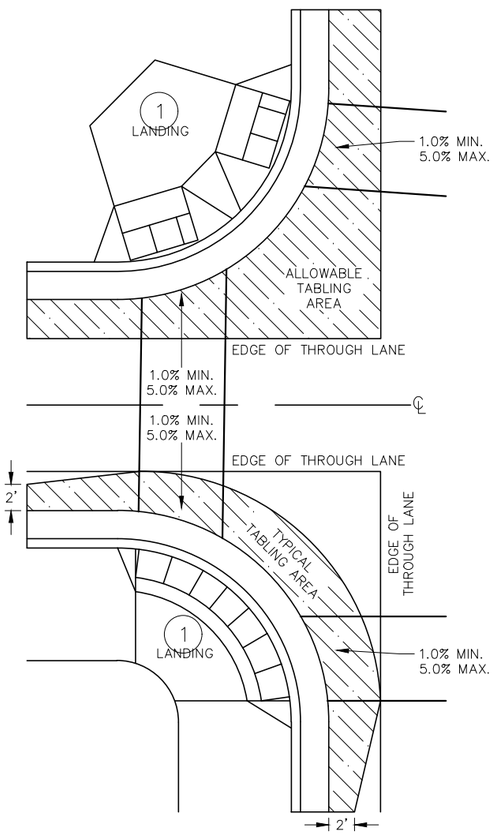
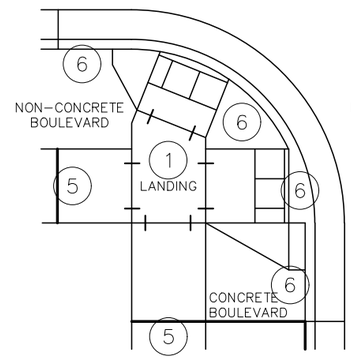
FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-ADA.dwg

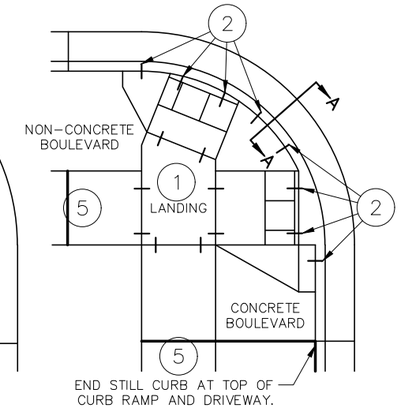
PRELIMINARY



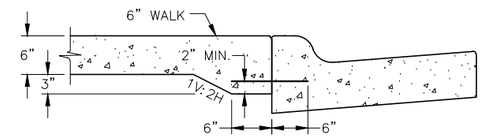
CURB LINE AND ROAD CROSSING ADJUSTMENTS



EXPANSION MATERIAL PLACEMENT
FOR CONCRETE ROADWAYS

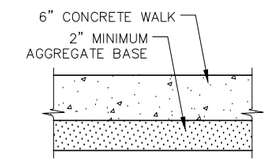


CURB LINE REINFORCEMENT PLACEMENT (4)
ON BITUMINOUS ROADWAYS



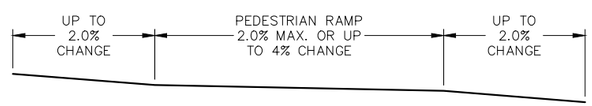
SECTION A–A

THICKENED SECTION
THROUGH CURB RAMP FLARES

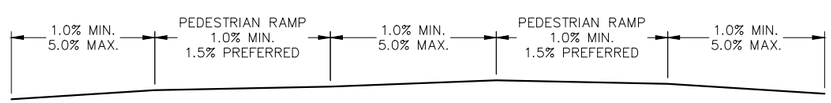


TYPICAL SIDEWALK SECTION
WITHIN INTERSECTION CORNER

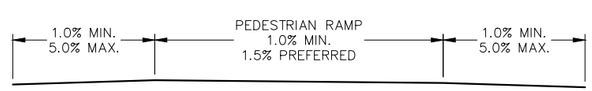
FLOW LINE PROFILE "TABLE" – TWIN PERPENDICULARS



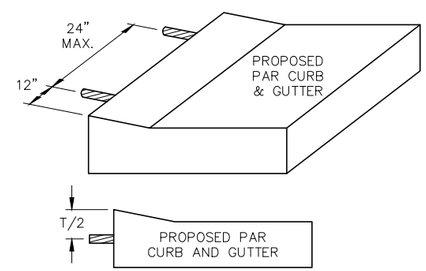
FLOW LINE PROFILE "TABLE" – FAN



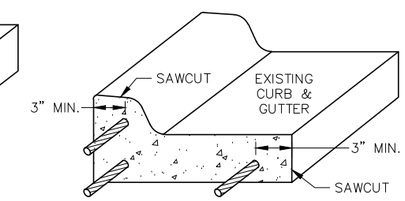
FLOW LINE PROFILE RAISE – TWIN PERPENDICULARS



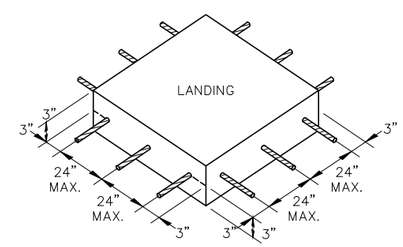
FLOW LINE PROFILE RAISE – FAN

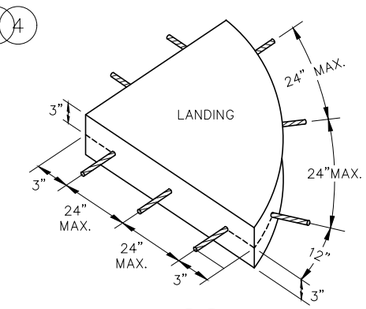


CURB RAMP REINFORCEMENT DETAILS (2)(4)



CURB AND GUTTER REINFORCEMENT (3)





SEPARATE LANDING POUR REINFORCEMENT (1)(2)

GENERAL NOTES:

"TABLING" OF CROSSWALKS MEANS MAINTAINING LESS THAN 2.0% CROSS SLOPE WITHIN A CROSSWALK, IS REQUIRED WHEN A ROADWAY IS IN A STOP OR YIELD CONDITION AND THE PROJECT SCOPE ALLOWS.

RECONSTRUCTION PROJECTS: ON FULL PAVEMENT REPLACEMENT PROJECTS "TABLING" OF ENTIRE CROSSWALK SHALL OCCUR WHEN FEASIBLE.

MILL & OVERLAY PROJECTS: "TABLING" OF FLOW LINES, IN FRONT OF THE PEDESTRIAN RAMP, IS REQUIRED WHEN THE EXISTING FLOW LINE IS GREATER THAN 2%. WRAPPING OF THE BITUMINOUS PAVEMENT CAN NOT EXTEND INTO THE THROUGH LANE. TABLE THE FLOW LINE TO 2% OR AS MUCH AS POSSIBLE WHILE ADHERING TO THE FOLLOWING CRITERIA:

1. 1.0% MIN. CROSS-SLOPE OF THE ROAD
2. 5.0% MAX. CROSS-SLOPE OF THE ROAD
3. "TABLE" FLOW LINE UP TO 4% CHANGE FROM EXISTING SLOPE IN FRONT OF PEDESTRIAN RAMP
4. UP TO 2% CHANGE IN FLOW LINE FROM EXISTING SLOPE BEYOND THE PEDESTRIAN CURB RAMP

STAND-ALONE ADA RETROFITS: FOLLOW MILL & OVERLAY CRITERIA ABOVE HOWEVER ALL PAVEMENT WARPING IS DONE WITH BITUMINOUS PATCHING ON BITUMINOUS ROADWAYS AND FULL-DEPTH APRON REPLACEMENT ON CONCRETE ROADWAYS.

RAISING OF CURB LINES SHOULD OCCUR IN VERTICALLY CONSTRAINED AREAS. RAISE THE CURB LINES ENOUGH TO ALLOW COMPLIANT RAMPS OR AS MUCH AS POSSIBLE WHILE ADHERING TO THE FOLLOWING CRITERIA:

1. 1.0% MIN. AND 5.0% MAXIMUM CROSS-SLOPE OF THE ROAD
2. 1.0% MIN. FLOW LINE (ON EITHER SIDE OF PEDESTRIAN RAMP) TO MAINTAIN POSITIVE DRAINAGE
3. 5.0% RECOMMENDED MAX. FLOW LINE
4. LONGITUDINAL THROUGH LANE ROADWAY TAPERS SHOULD BE 1" VERTICAL PER 15' HORIZONTAL

(#) NOTES:

1. TO ENSURE RAMPS AND LANDINGS ARE PROPERLY CONSTRUCTED, ALL INITIAL LANDINGS AT A TOP OF A RAMPED SURFACE (RUNNING SLOPE GREATER THAN 2%) SHALL BE FORMED AND PLACED SEPARATELY IN AN INDEPENDENT CONCRETE POUR. FOLLOW SIDEWALK REINFORCEMENT DETAILS ON THIS SHEET FOR ALL SEPARATELY POURED INITIAL LANDINGS.
2. DRILL AND GROUT NO. 4 12" LONG REINFORCEMENT BARS (EPOXY COATED) AT 24" MAXIMUM CENTER TO CENTER MINIMUM 12" SPACING FROM CONSTRUCTION JOINTS. BARS TO BE ADJUSTED TO MATCH RAMP GRADE.
3. DRILL AND GROUT 3 – NO. 4 x 12" LONG (6" EMBEDDED) REINFORCEMENT BARS (EPOXY COATED).
4. THIS CURB LINE REINFORCEMENT DETAIL SHALL BE USED ON BITUMINOUS ROADWAYS, FOR CONCRETE ROADWAYS SEE NOTE 6.
5. CONSTRUCT WITH EXPANSION MATERIAL PER SPECIFICATION. EXPANSION MATERIAL SHALL MATCH FULL HEIGHT OF ADJACENT CONCRETE.
6. USE AN APPROVED TYPE F (¼ INCH THICK) SEPARATION MATERIAL. SEPARATION MATERIAL SHALL MATCH FILL HEIGHT DIMENSION OF ADJACENT CONCRETE.

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ADA
2026 STREET IMPROVEMENT DISTRICT 241
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CURB RAMP TABULATION

ADA INDEX I.D.	CORNER LOC.	STREET	CROSS STREET	REMOVE CURB & GUTTER	REMOVE CONCRETE WALK	4" CONCRETE SIDEWALK	CURB & GUTTER	CURB HEADER TYPE 1	DETECTABLE WARNING PANEL				REMOVE AND RESET SIGN	Curb Ramp Design		NOTES
									STREET	CROSS STREET	RADIAL			STREET	CROSS STREET	
				LF	SY	SY	LF	LF	SF	SF	SF	RADIUS	EA			
1	NE	47TH ST NW	IMPALA CT	33	16	13	33			10					TIERED PERDENDICULAR	
	SE			32	17	16	32			10					TIERED PERDENDICULAR	
2	NE	47TH ST NW	CORVETTE ST	38	15	14	38			10					TIERED PERDENDICULAR	
	SE			36	16	22	36				35.5	19		DIAGONAL	DIAGONAL	
3	NW	NOVA AVE	IMPALA CT	35	15	19	35				22.7	19		ONE DIRECTIONAL		15' rule applied. PTA runing slope will exceed requirements
	NE			35	13	17	35	23			21.6	19		ONE DIRECTIONAL		15' rule applied. PTA runing slope will exceed requirements
4	SW	NOVA AVE	CORVETTE ST	21	18	21	21				27.3	19		DIAGONAL	DIAGONAL	15' rule applied. PTA runing slope will exceed requirements
	NW			35	23	27	35				28.2	19		DIAGONAL	DIAGONAL	15' rule applied. PTA runing slope will exceed requirements
	NE			33	22	27	33	30			28.2	19		DIAGONAL	DIAGONAL	15' rule applied. PTA runing slope will exceed requirements
	SE			20	22	24	20	30			23.4	19		DIAGONAL	DIAGONAL	15' rule applied. PTA runing slope will exceed requirements
5	N	CROWN POINT RD	LASALLE DR	23	23	13	23			10				COMBINED DIRECTIONAL	COMBINED DIRECTIONAL	
	E			22	26	18	22		10	10					ONE DIRECTIONAL	
	W			9	5	14	9		10					ONE DIRECTIONAL		
6	E	CORTEZ CR	LASALLE DR	26	23	17	26		10					ONE DIRECTIONAL		
	S			28	26	26	28	20	10	10				CONBINED DIRECTIONALL	CONBINED DIRECTIONAL	
	W			11	7	7	11	15		10				TIERED PERPENDICULAR		
7	E	COLUMBUS CT	LASALLE DR	25	31	24	25	26	10					ONE DIRECTIONAL		15' rule applied. PTA runing slope will exceed requirements
	S			25	26	20	25		10					ONE DIRECTIONAL		
8	NW	CORTEZ CR	CORTEZ CR - PARK	9	0	7	9		10					TIERED PERPENDICULAR		
	SE			9	0	7	9		10						TIERED PERDENDICULAR	
9	SW	CORTEZ CR	LASALLE DR	26	20	14	26			10					ONE DIRECTIONAL	
	NW			26	20	14	26			10					ONE DIRECTIONAL	
10	N	40TH AVE	MEDIAN	26	13	14	26			10				ONE DIRECTIONAL		
	N - MED			44	0	16	43			10					ONE DIRECTIONAL	
	S - MED			44	0	16	43			10					ONE DIRECTIONAL	
	S			29	12	13	29			10				ONE DIRECTIONAL		
11	SW	40TH AVE	LEWIS RD	23	12	13	23		10					COMBINED DIRECTIONAL	COMBINED DIRECTIONAL	
	NW			11	11	22	11	30	10	10				COMBINED DIRECTIONAL	COMBINED DIRECTIONAL	
	NE			27	12	19	27	30	10	10				COMBINED DIRECTIONAL	COMBINED DIRECTIONAL	
	SE			23	17	12	23		10					COMBINED DIRECTIONAL	COMBINED DIRECTIONAL	
12	SW	39TH AVE	48TH ST	22	0	8	22			10				ONE DIRECTIONAL		
	NW			32	24	30	32	20	10	10				COMBINED DIRECTIONAL	COMBINED DIRECTIONAL	15' rule applied. PTA runing slope will exceed requirements
	NE			29	23	22	29	25	10						ONE DIRECTIONAL	15' rule applied. PTA runing slope will exceed requirements
13	S	CLARK PL	LEWIS RD	25	16	17	25			10				ONE DIRECTIONAL		
	W			25	18	18	25			10				ONE DIRECTIONAL		
14	SW	37TH ST	LEWIS RD	33	25	35	33		10	10				COMBINED DIRECTIONAL	COMBINED DIRECTIONAL	15' rule applied. PTA runing slope will exceed requirements
	NW			42	30	35	42		10	10				COMBINED DIRECTIONAL	COMBINED DIRECTIONAL	15' rule applied. PTA runing slope will exceed requirements
	NE			28	20	25	28		10	10				COMBINED DIRECTIONAL	COMBINED DIRECTIONAL	
	SE			30	27	34	30		10	10				COMBINED DIRECTIONAL	COMBINED DIRECTIONAL	15' rule applied. PTA runing slope will exceed requirements
15	W	37TH	SCHOOL	9	8	17	9		10				1	ONE DIRECTIONAL		
	E			9	8	16	9		10					ONE DIRECTIONAL		
16	SW	30TH AVE	CRIMSON ST	10	4	9	10			10					ONE DIRECTIONAL	
	NW			9	5	10	9			10					DEPRESSED CORNER	

PRELIMINARY

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ADA
2026 STREET IMPROVEMENT DISTRICT 241
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ADA SUMMARY TABLE

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ADA
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ADA LOCATION MAP

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C-711

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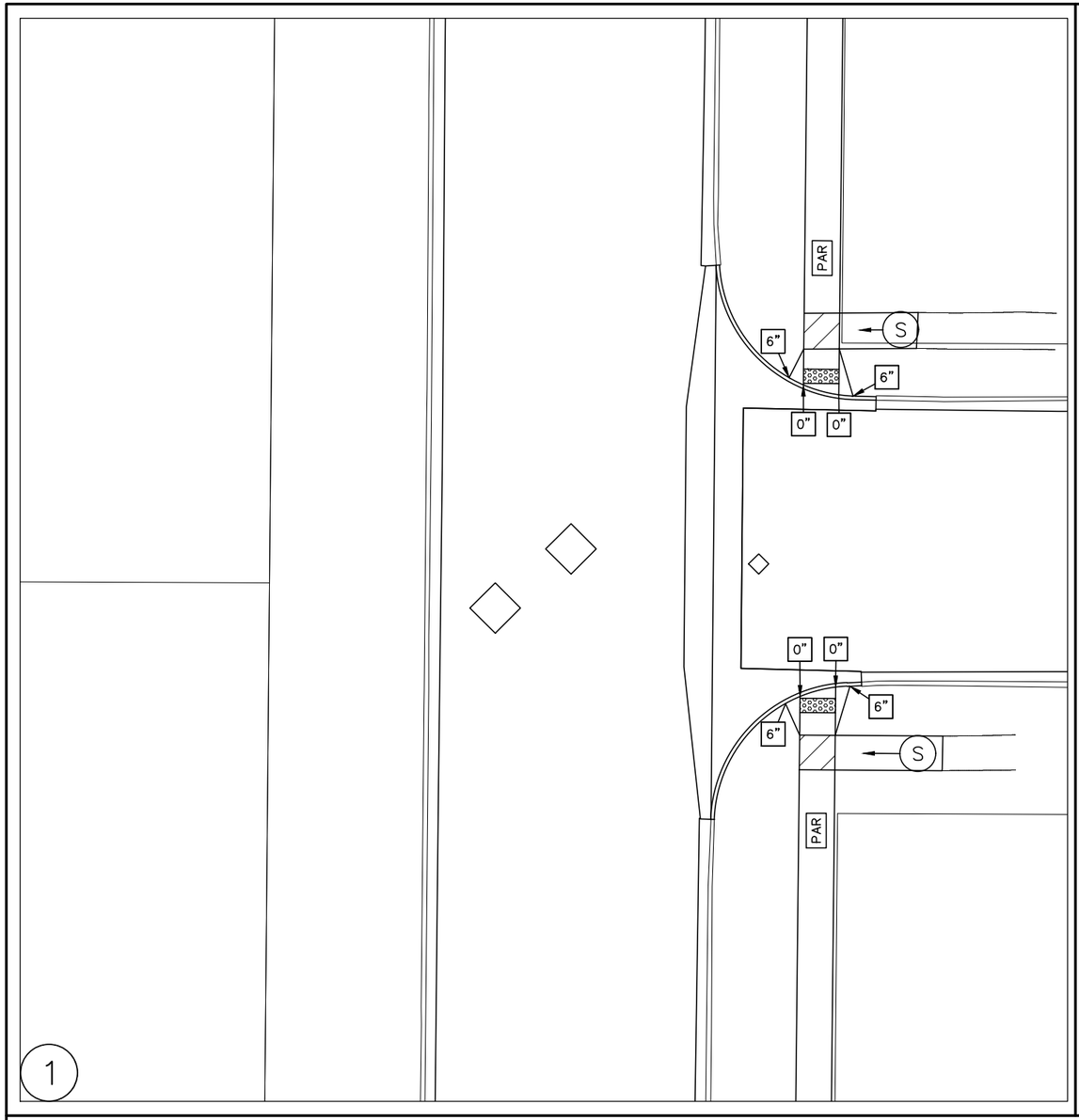

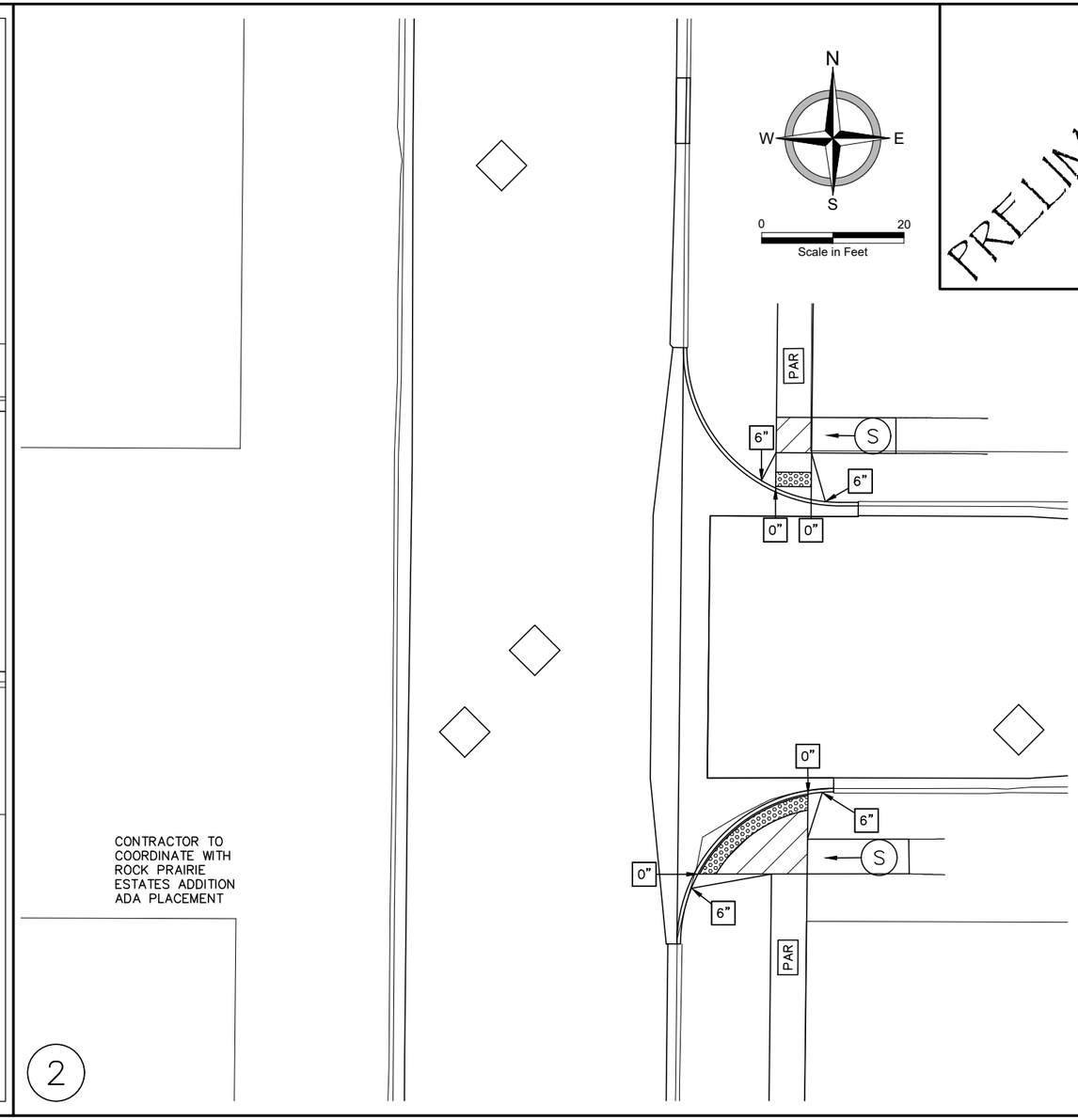

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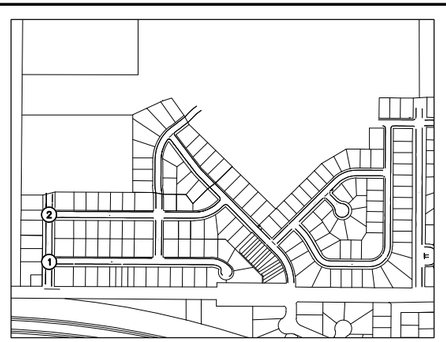

VICINITY MAP

LEGEND

DETECTABLE WARNING PANEL	PAR — PEDESTRIAN ACCESS ROUTE 5.0% MAX. RUNNING SLOPE (4.7% MAX. PREFERRED) 2.1 % MAX. CROSS SLOPE (1.5% MAX. PREFERRED)
LANDING AREA – 4'x4' MIN. (5'x5' PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS (1.5% PREFERRED). LANDING SHALL BE FULL WIDTH OF INCOMING PARS.	PTA — PEDESTRIAN ACCESS TRANSITION AREA 15' MAX LENGTH IF RUNNING SLOPE EXCEEDS 8.3%. TRANSITION CROSS SLOPE AT MAXIMUM OF 0.5% PER FOOT TO EXISTING SIDEWALK. TIE INTO NEAREST JOINT TO ACHIEVE MINIMUM REQUIREMENTS.
S — PEDESTRIAN RAMP SLOPE SHALL BE BETWEEN 5.0% MIN. AND 8.3% MAX. IN THE DIRECTION SHOWN. CROSS SLOPE SHALL NOT EXCEED 2.0% (1.5% PREFERRED)	M — MAX 2% SLOPE IN ALL DIRECTIONS IN FRONT OF THE CURB'S PERPENDICULAR GRADE BREAK AND DRAIN TO FLOW LINE. PERPENDICULAR GRADE BREAK SHALL BE CONSTRUCTED INTEGRAL WITH CURB AND GUTTER, AND A SEPARATE POUR FROM ADJACENT SIDEWALK.
F — PEDESTRIAN RAMP SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN. CROSS SLOPE SHALL NOT EXCEED 2.0% (1.5% PREFERRED)	0" — CURB HEIGHT

NOTES:

1. ALL LANDING & TURNING SPACES WILL BE A SEPARATE POUR FROM REMAINING SIDEWALK.
2. EXISTING CONCRETE BENEATH PROPOSED CONCRETE TO BE REMOVED. ANY EXISTING SIDEWALK AREAS NOT BEING REPLACED WITH NEW, ARE INDICATED SEPARATELY.
3. DETAILED DESIGN WAS PROVIDED AT CRITICAL LOCATIONS. FOR ALL OTHERS, CONTRACTOR TO REFER TO ADA REQUIREMENTS NOTES, QUANTITY TABLES, AND ADA DETAILS FOR GUIDANCE. GRADES PROVIDED ARE FOR CONSTRUCTION GUIDANCE.

ADA
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
ADA SITES 1 & 2

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-712

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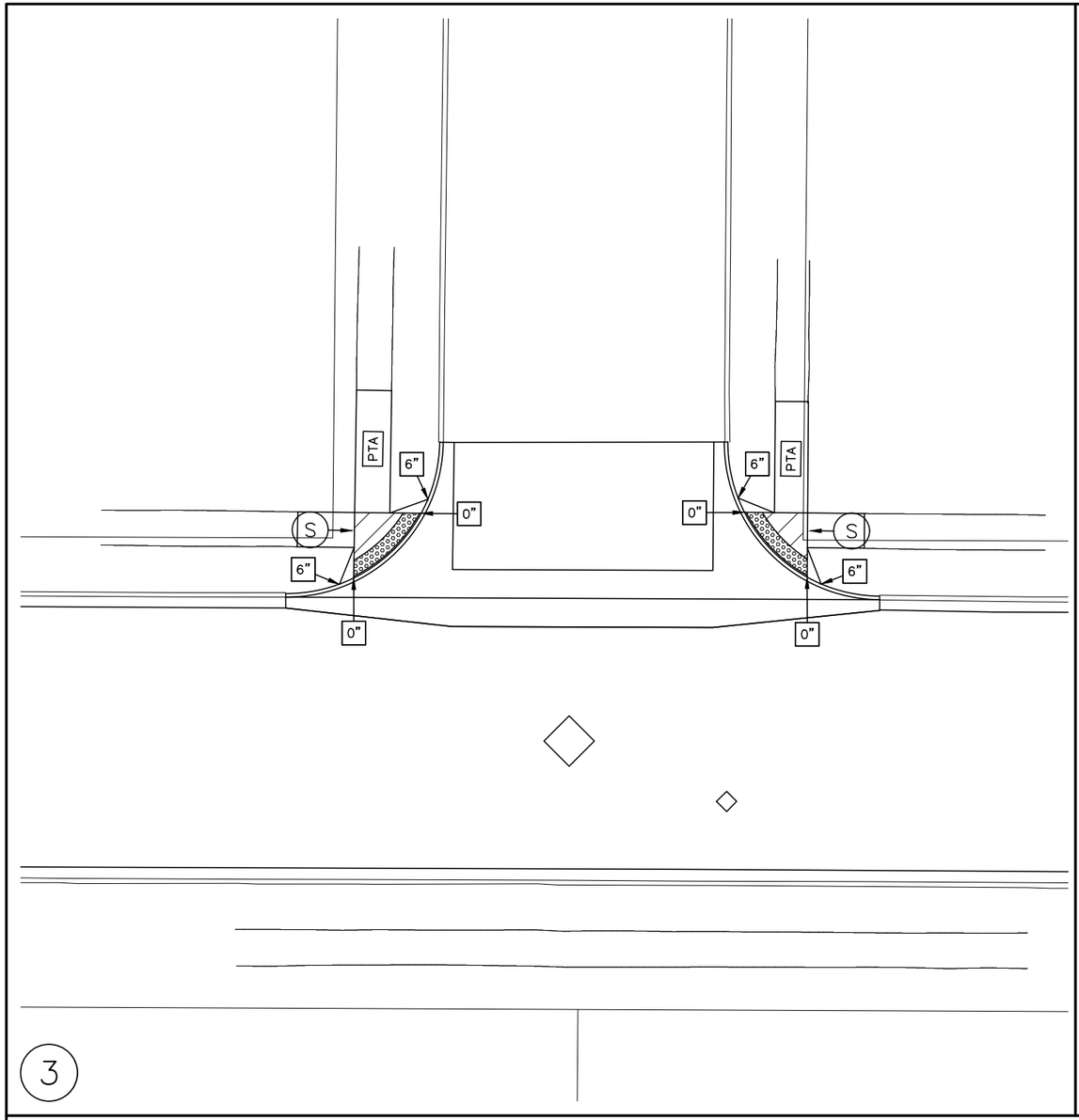
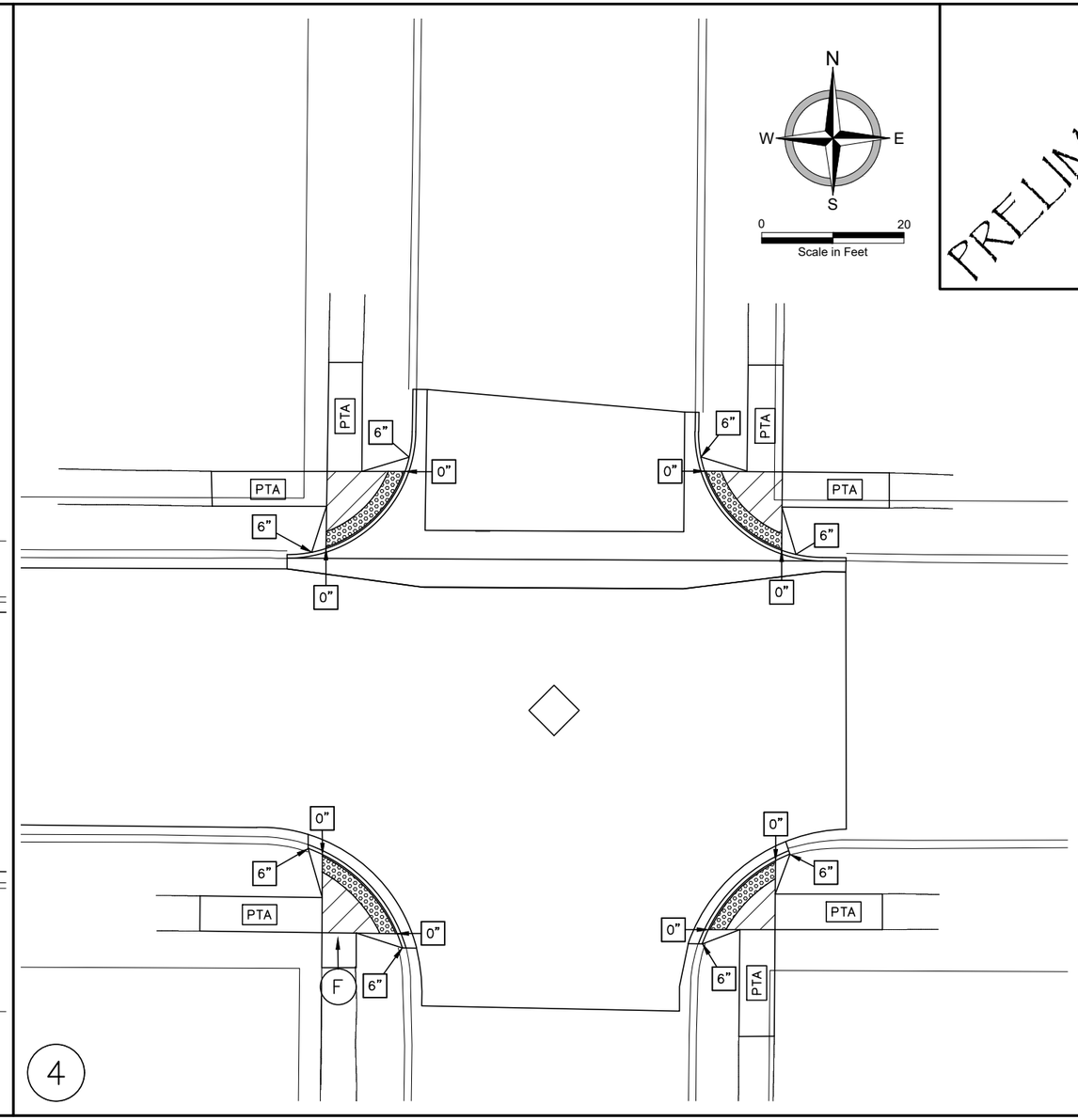
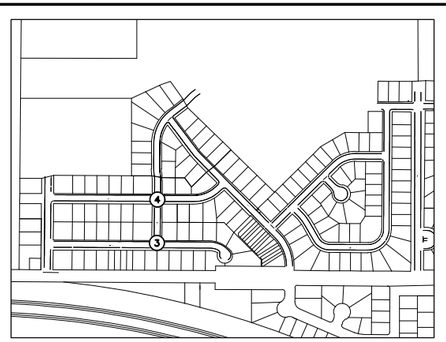




PRELIMINARY

moore engineering, inc.



VICINITY MAP

LEGEND

DETECTABLE WARNING PANEL

LANDING AREA – 4'x4' MIN. (5'x5' PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS (1.5% PREFERRED). LANDING SHALL BE FULL WIDTH OF INCOMING PARS.

S — PEDESTRIAN RAMP
SLOPE SHALL BE BETWEEN 5.0% MIN. AND 8.3% MAX. IN THE DIRECTION SHOWN. CROSS SLOPE SHALL NOT EXCEED 2.0% (1.5% PREFERRED)

F — PEDESTRIAN RAMP
SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN. CROSS SLOPE SHALL NOT EXCEED 2.0% (1.5% PREFERRED)

PAR — PEDESTRIAN ACCESS ROUTE
5.0% MAX. RUNNING SLOPE (4.7% MAX. PREFERRED)
2.1 % MAX. CROSS SLOPE (1.5% MAX. PREFERRED)

PTA — PEDESTRIAN ACCESS TRANSITION AREA
15' MAX LENGTH IF RUNNING SLOPE EXCEEDS 8.3%.
TRANSITION CROSS SLOPE AT MAXIMUM OF 0.5% PER FOOT TO EXISTING SIDEWALK. TIE INTO NEAREST JOINT TO ACHIEVE MINIMUM REQUIREMENTS.

M — MAX 2% SLOPE IN ALL DIRECTIONS IN FRONT OF THE CURB'S PERPENDICULAR GRADE BREAK AND DRAIN TO FLOW LINE. PERPENDICULAR GRADE BREAK SHALL BE CONSTRUCTED INTEGRAL WITH CURB AND GUTTER, AND A SEPARATE POUR FROM ADJACENT SIDEWALK.

0" — CURB HEIGHT

NOTES:

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ADA
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
ADA SITES 3 & 4

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-713

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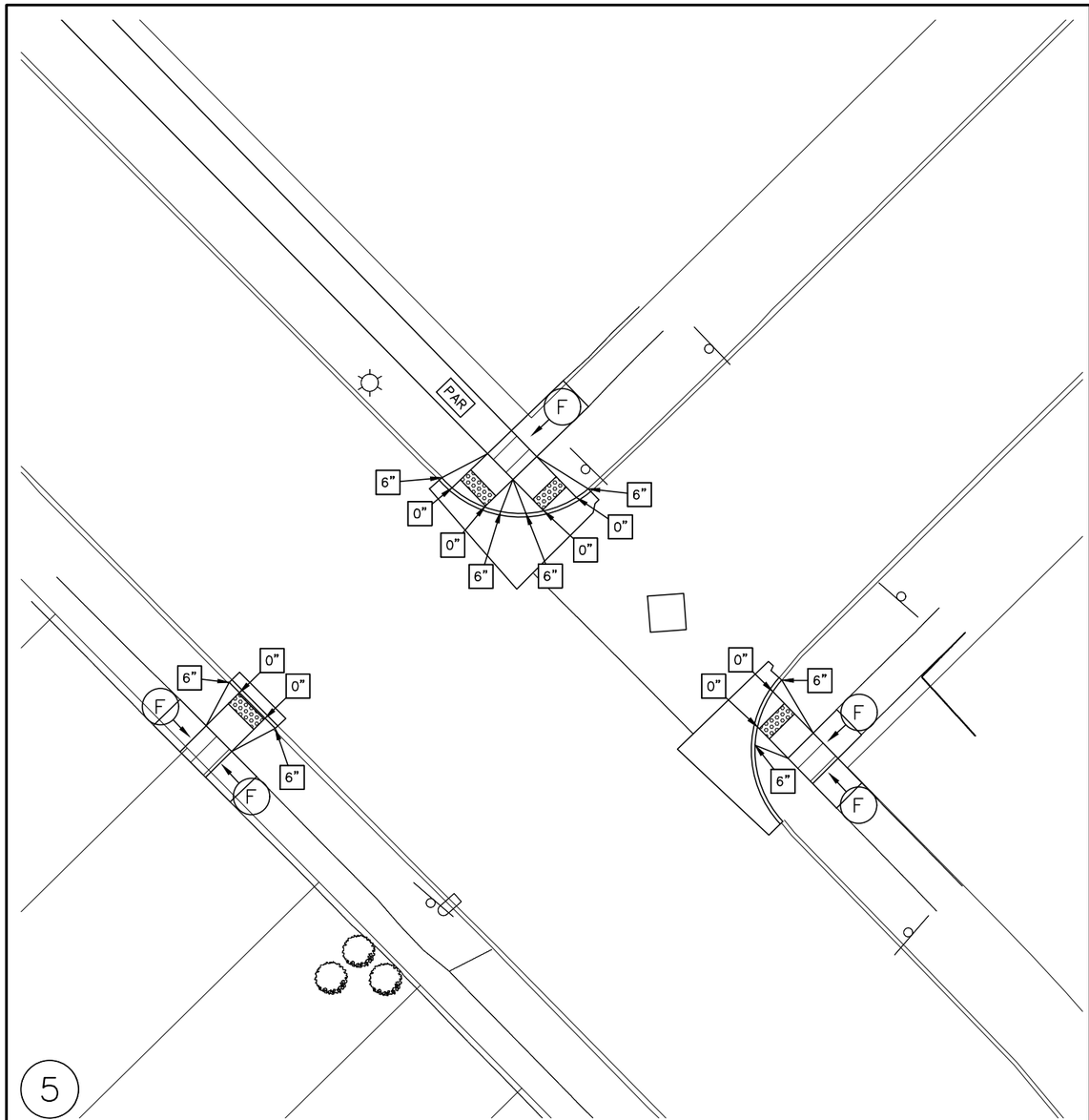

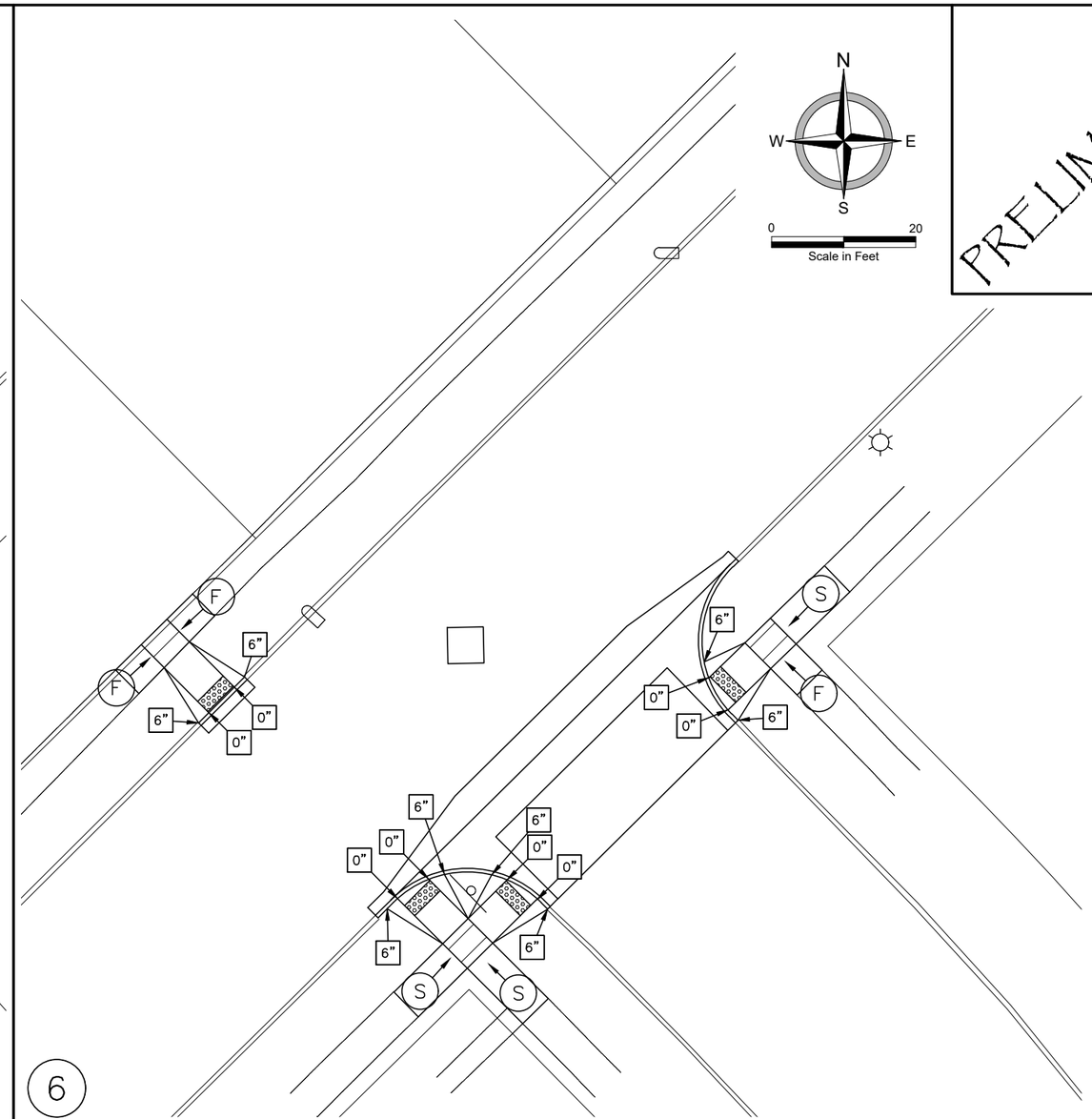

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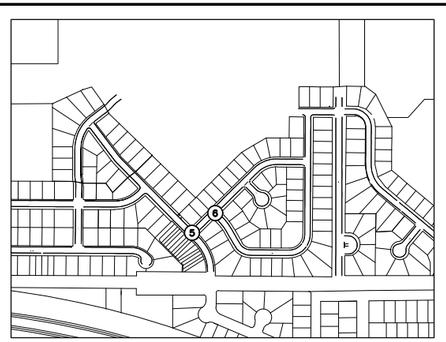
moore engineering, inc.



VICINITY MAP

LEGEND

DETECTABLE WARNING PANEL

LANDING AREA – 4’x4’ MIN. (5’x5’ PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS (1.5% PREFERRED). LANDING SHALL BE FULL WIDTH OF INCOMING PARS.

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2.1 % MAX. CROSS SLOPE (1.5% MAX. PREFERRED)

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ADA
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
ADA SITES 5 & 6

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-714

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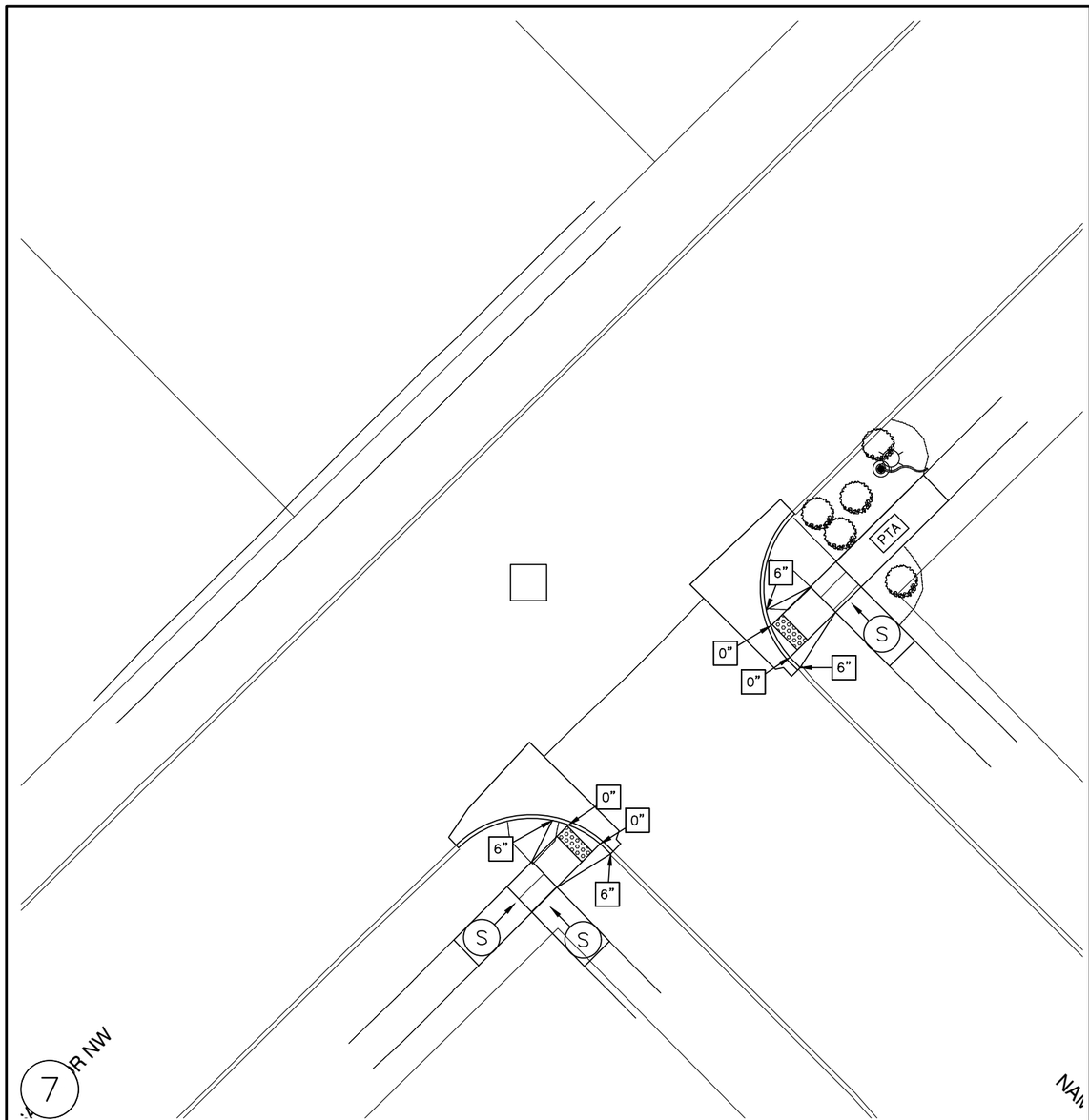

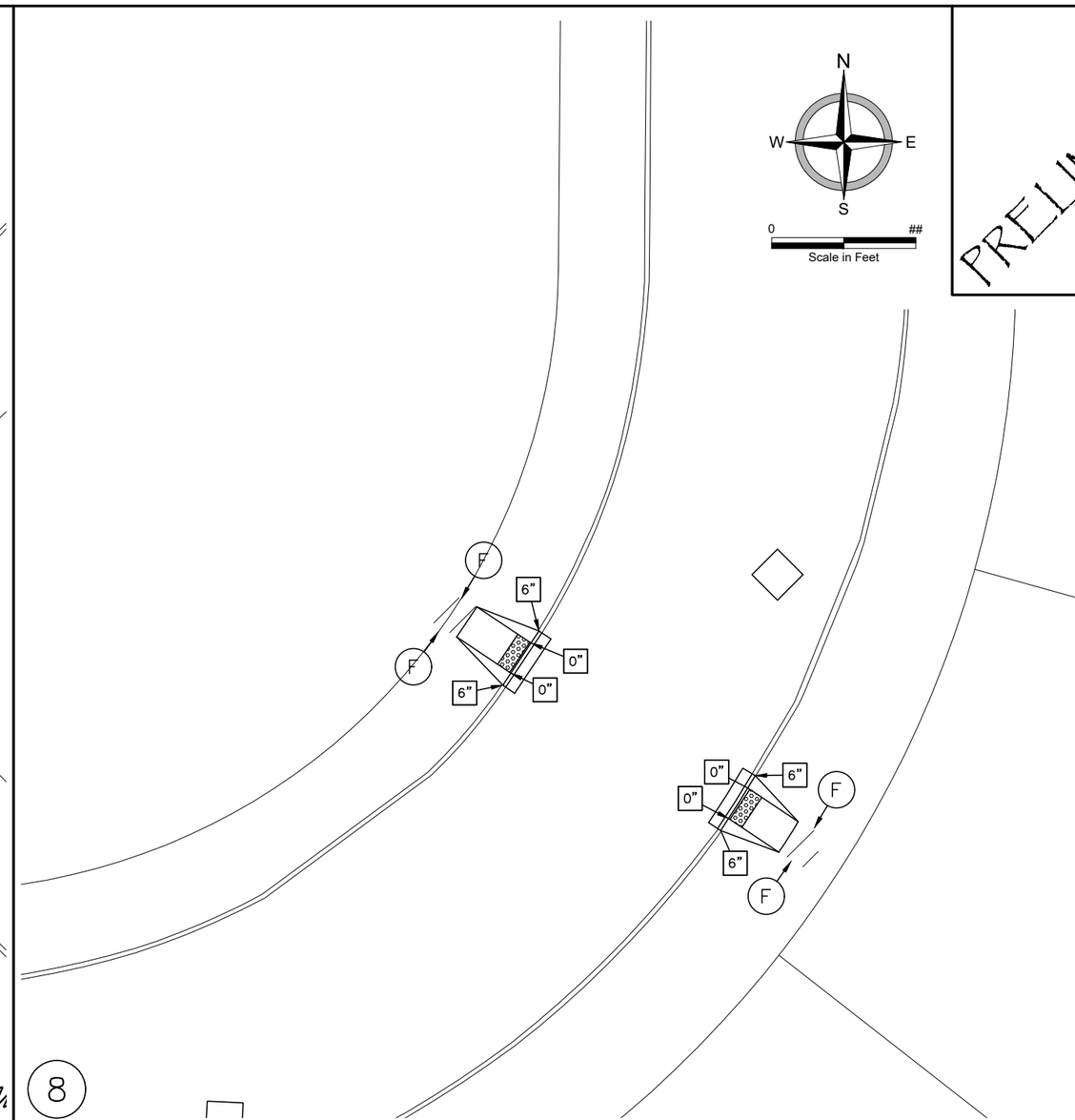

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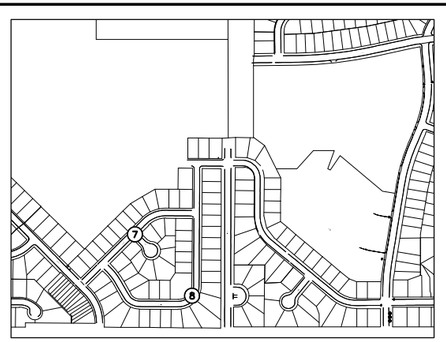
moore engineering, inc.



VICINITY MAP

LEGEND

DETECTABLE WARNING PANEL

LANDING AREA – 4'x4' MIN. (5'x5' PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS (1.5% PREFERRED). LANDING SHALL BE FULL WIDTH OF INCOMING PARS.

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ADA
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
ADA SITES 7 & 8

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-715

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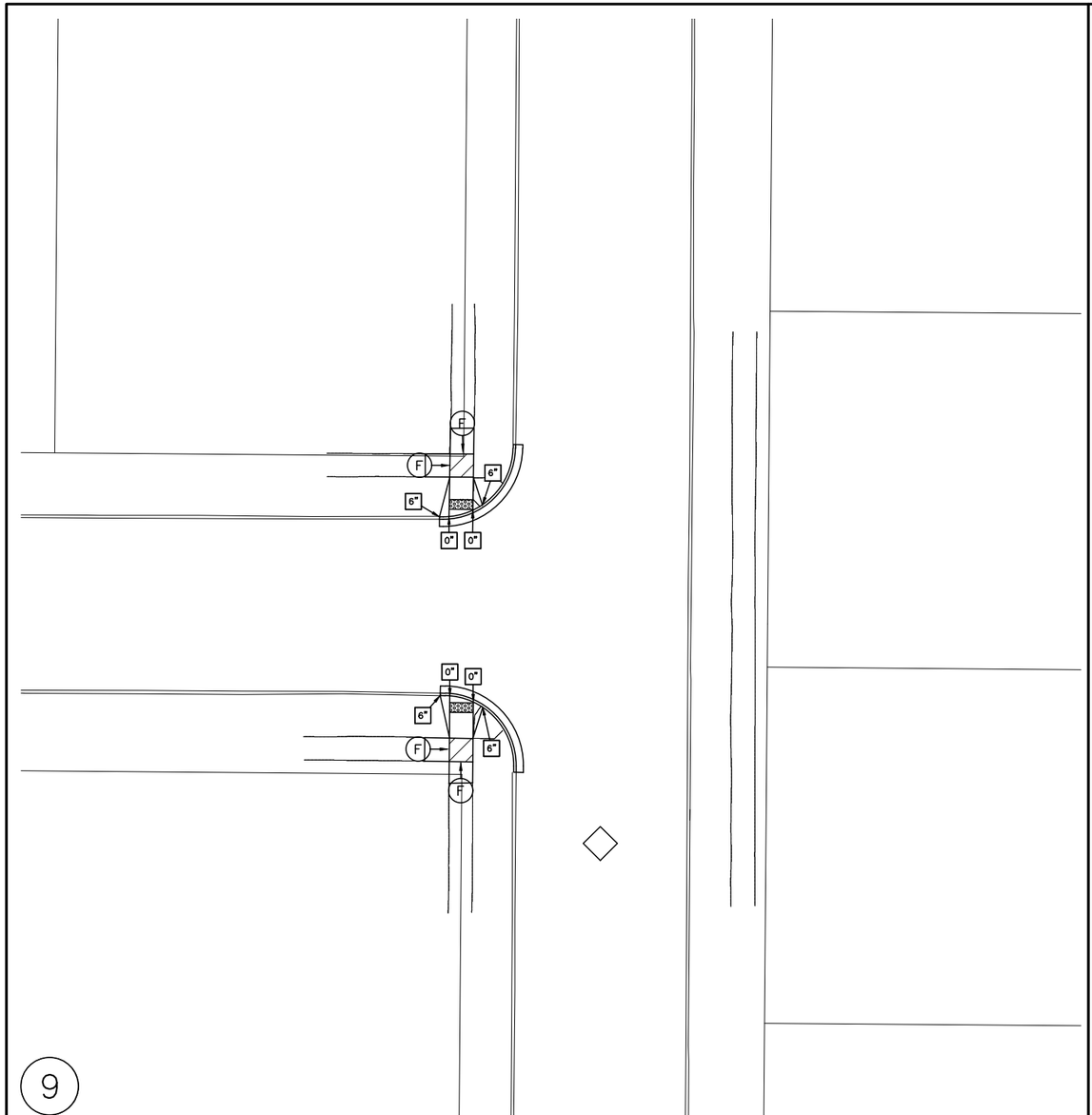

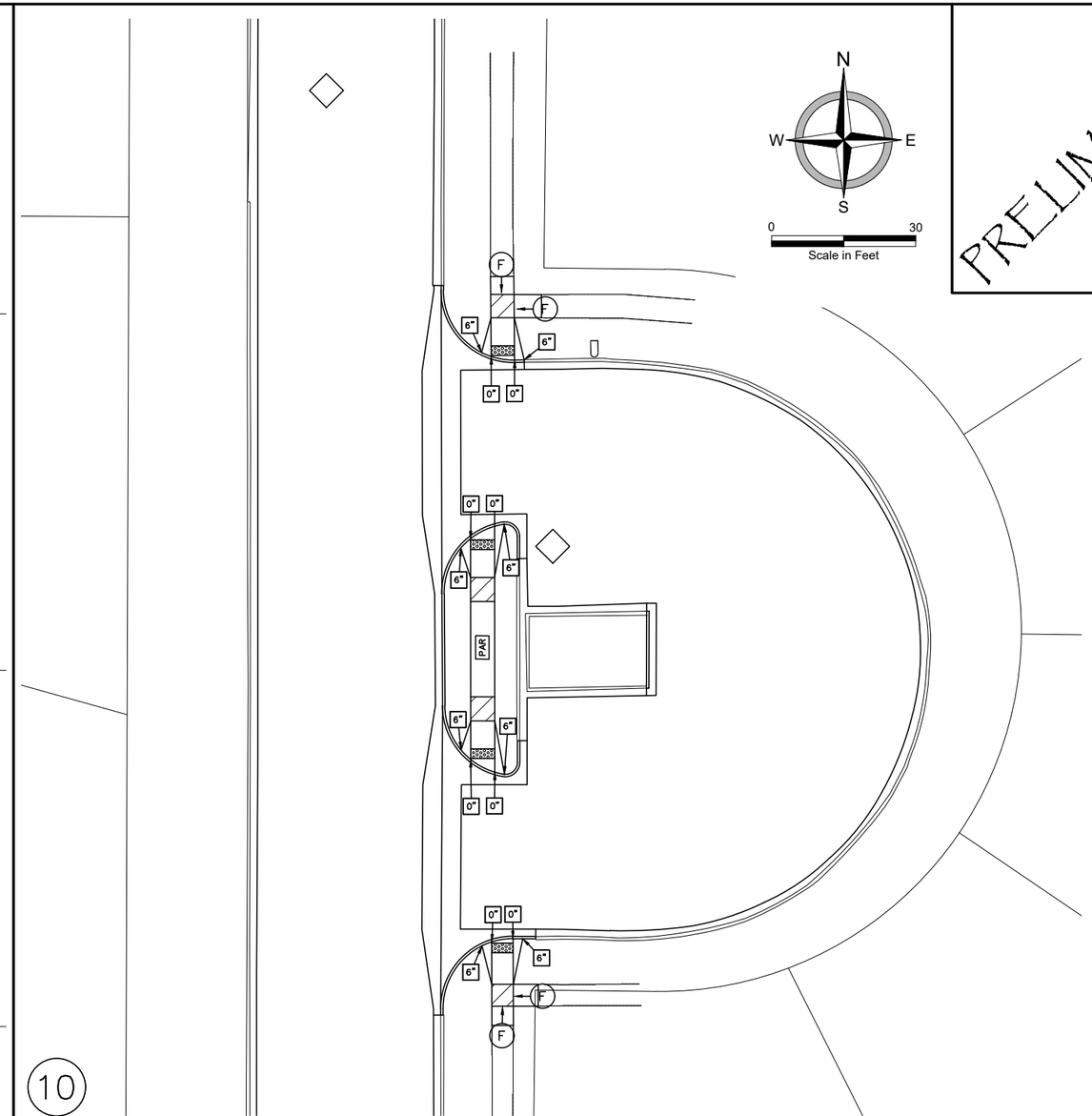

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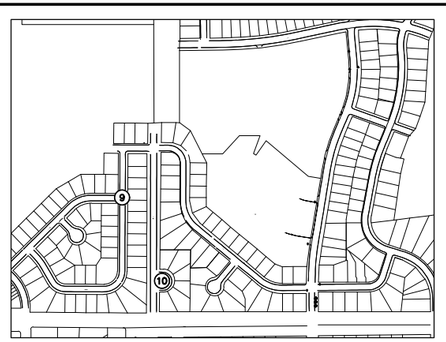

VICINITY MAP

LEGEND

DETECTABLE WARNING PANEL

LANDING AREA – 4'x4' MIN. (5'x5' PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS (1.5% PREFERRED). LANDING SHALL BE FULL WIDTH OF INCOMING PARS.

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moore engineering, inc.

ADA
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
ADA SITES 9 & 10

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-716

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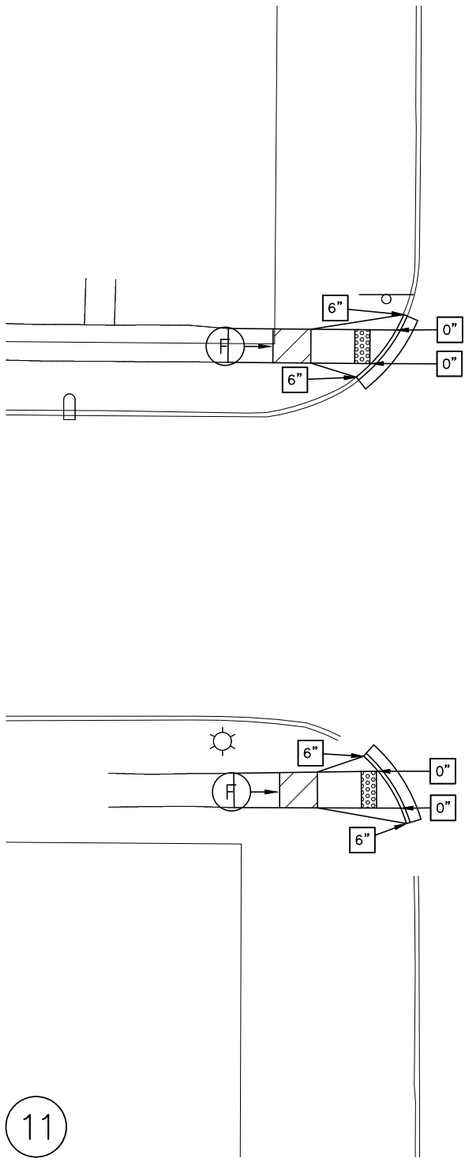

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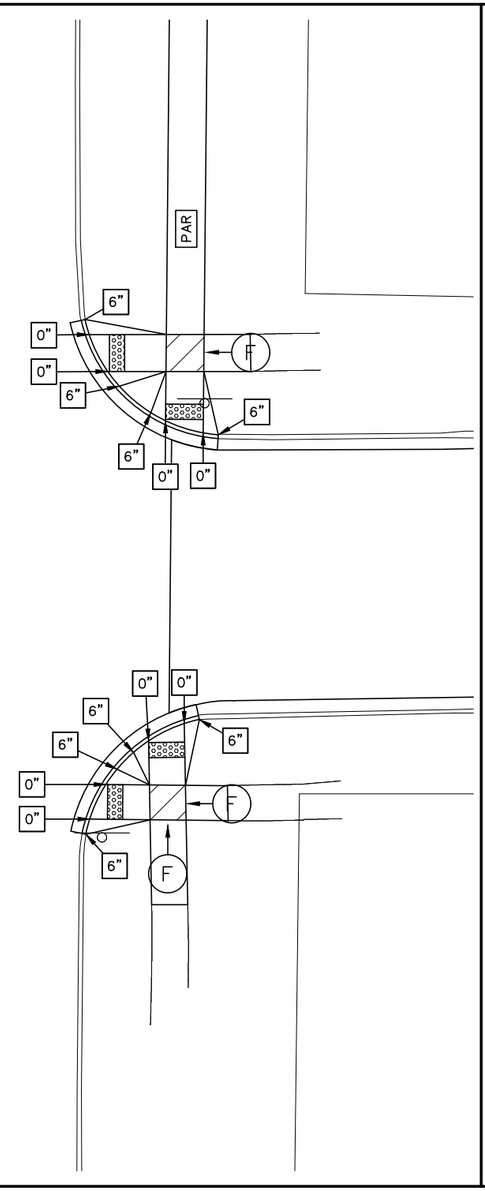

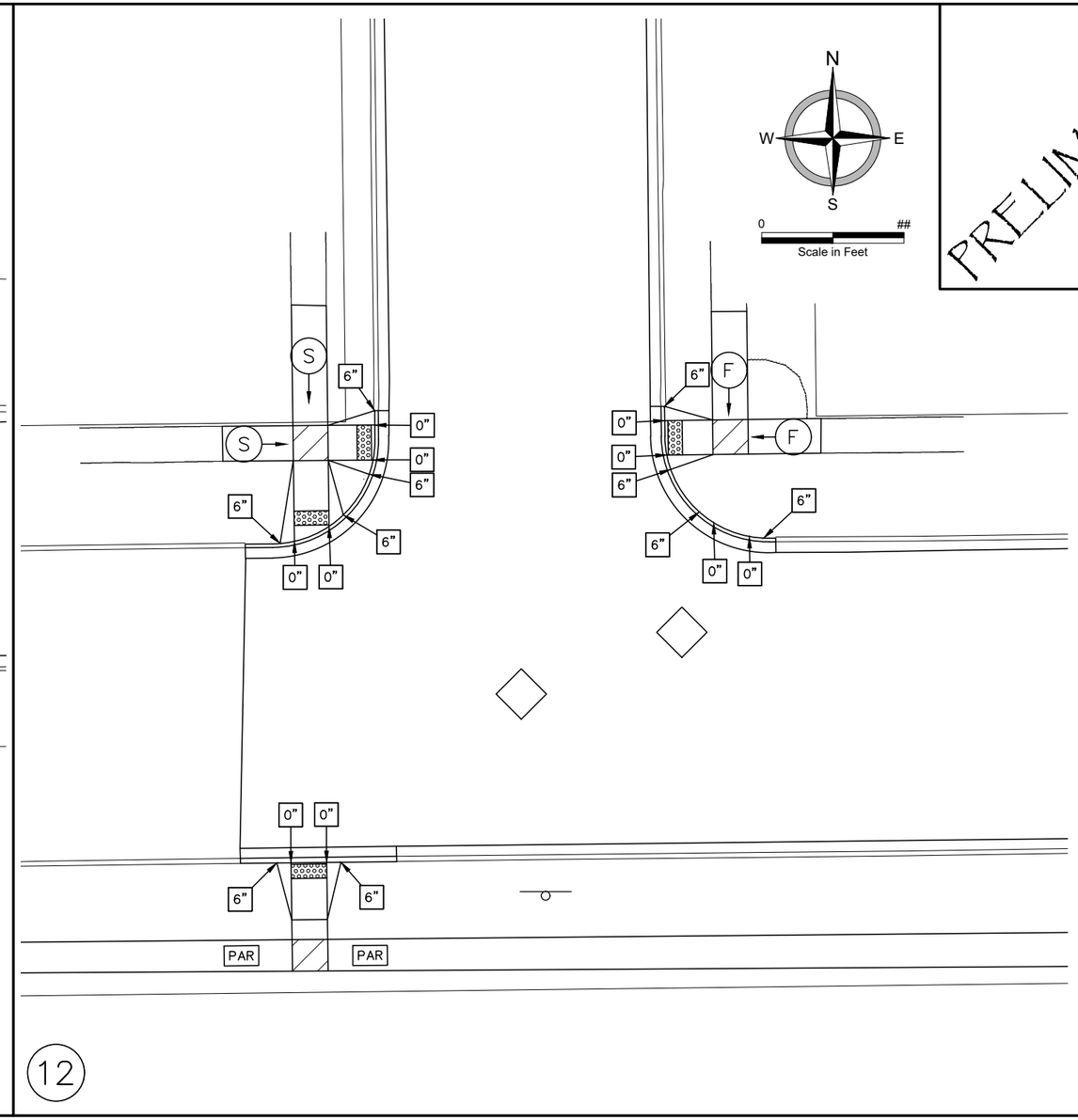

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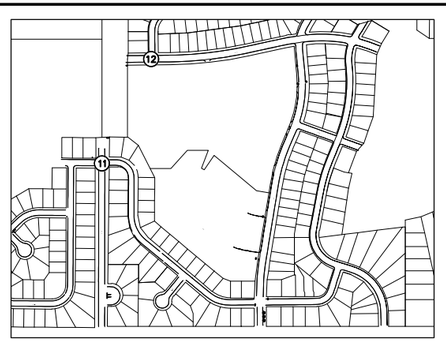
PRELIMINARY

moore engineering, inc.

ADA
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
ADA SITES 11 & 12



VICINITY MAP

LEGEND

DETECTABLE WARNING PANEL

LANDING AREA – 4'x4' MIN. (5'x5' PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS (1.5% PREFERRED). LANDING SHALL BE FULL WIDTH OF INCOMING PARS.

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DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-717

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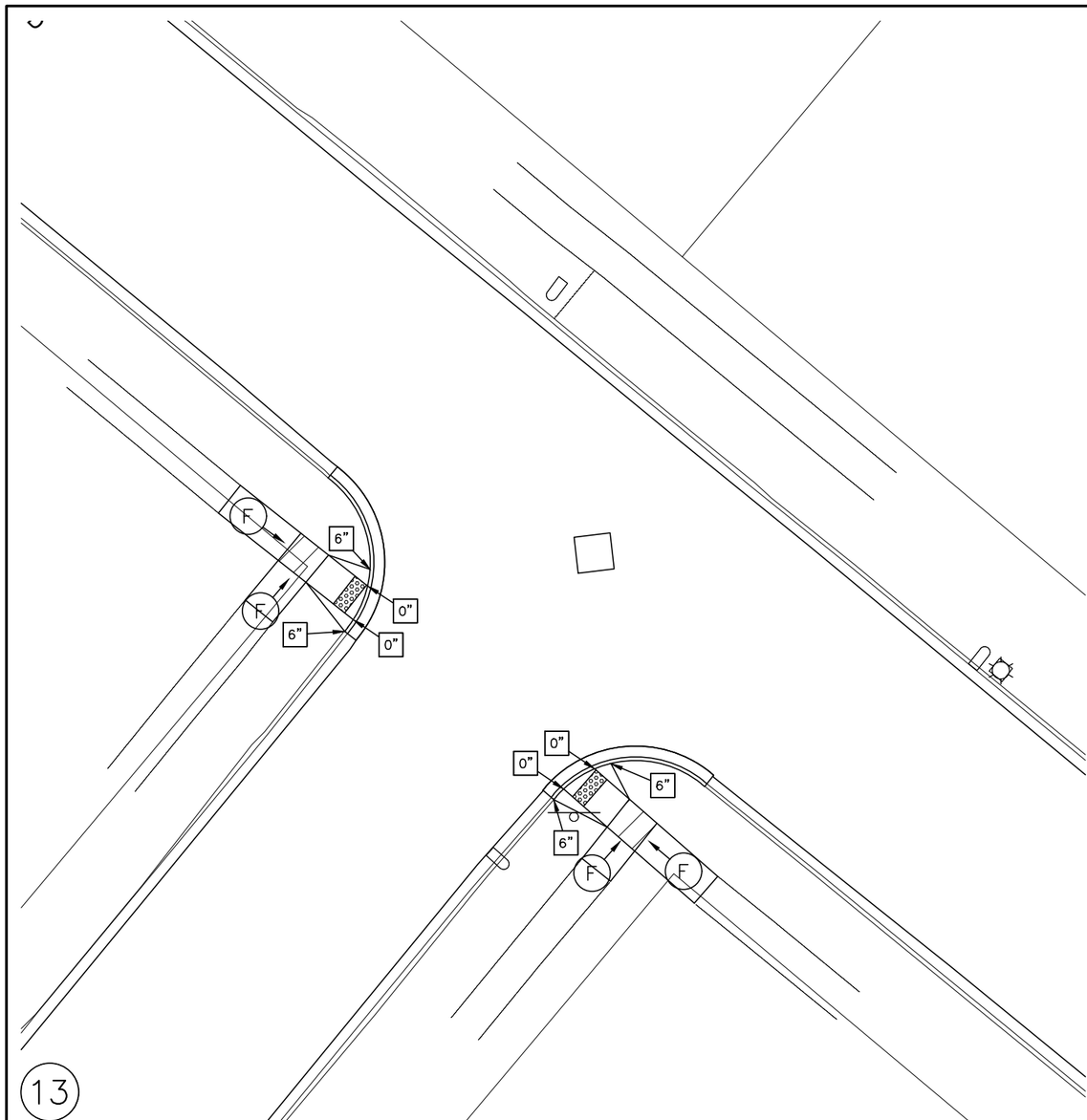
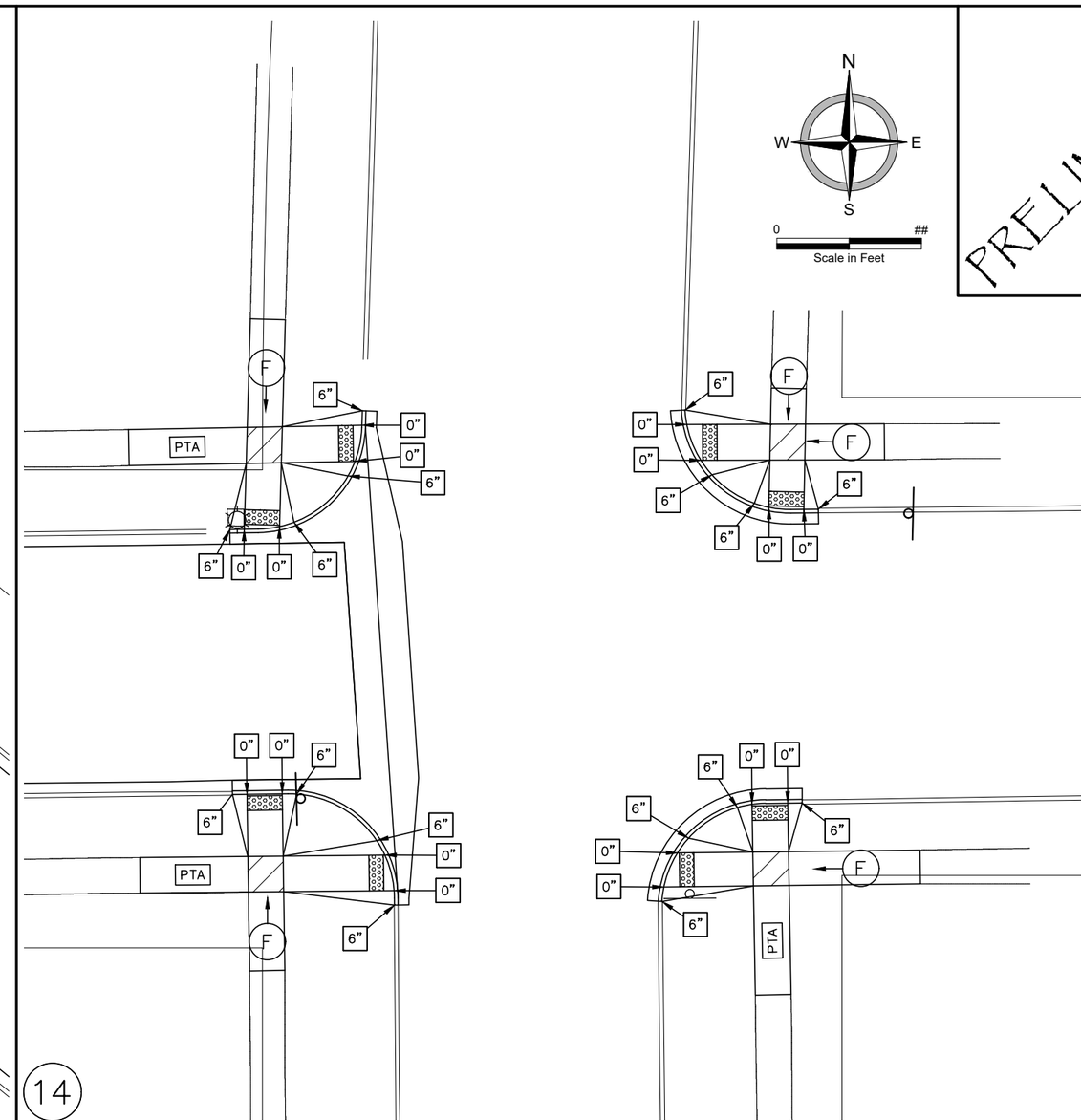
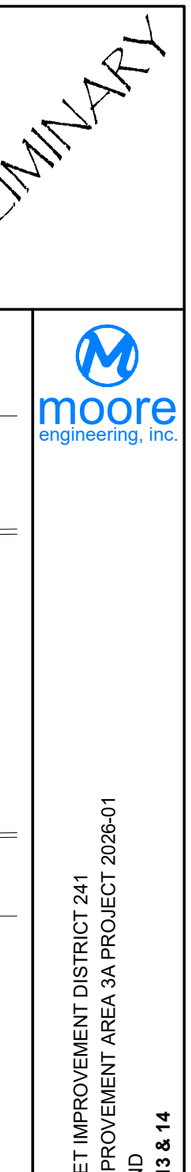
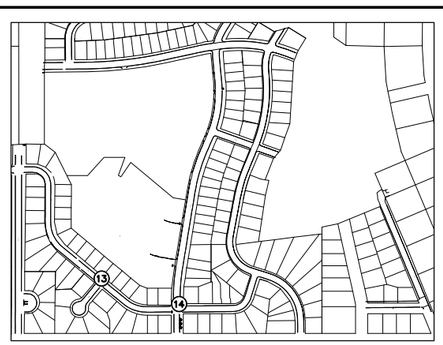






PRELIMINARY

moore engineering, inc.



VICINITY MAP

LEGEND

DETECTABLE WARNING PANEL

LANDING AREA – 4’x4’ MIN. (5’x5’ PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS (1.5% PREFERRED). LANDING SHALL BE FULL WIDTH OF INCOMING PARS.

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0” — CURB HEIGHT

NOTES:

1. ALL LANDING & TURNING SPACES WILL BE A SEPARATE POUR FROM REMAINING SIDEWALK.
2. EXISTING CONCRETE BENEATH PROPOSED CONCRETE TO BE REMOVED. ANY EXISTING SIDEWALK AREAS NOT BEING REPLACED WITH NEW, ARE INDICATED SEPARATELY.
3. DETAILED DESIGN WAS PROVIDED AT CRITICAL LOCATIONS. FOR ALL OTHERS, CONTRACTOR TO REFER TO ADA REQUIREMENTS NOTES, QUANTITY TABLES, AND ADA DETAILS FOR GUIDANCE. GRADES PROVIDED ARE FOR CONSTRUCTION GUIDANCE.

ADA
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
ADA SITE 13 & 14

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-718

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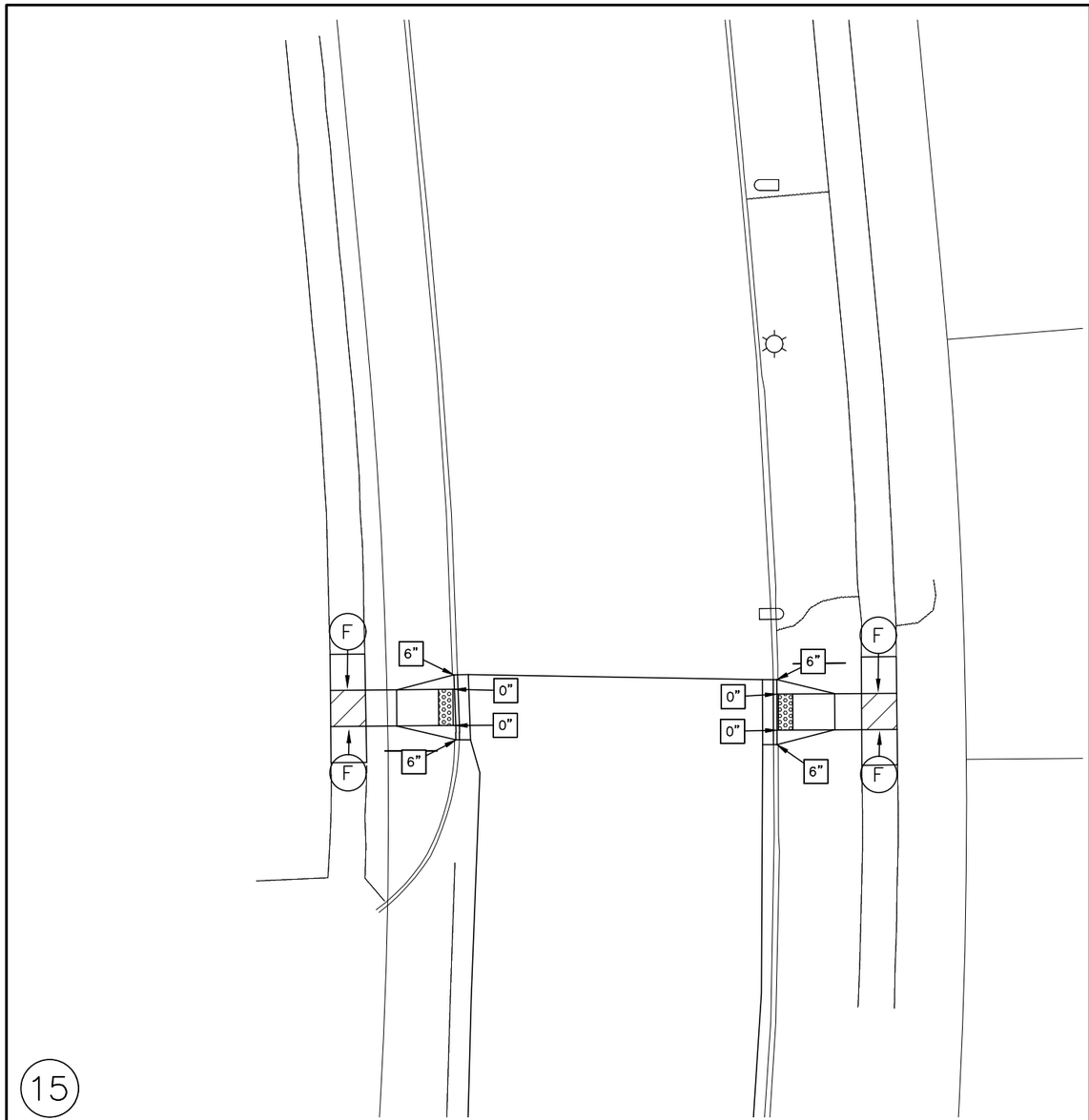
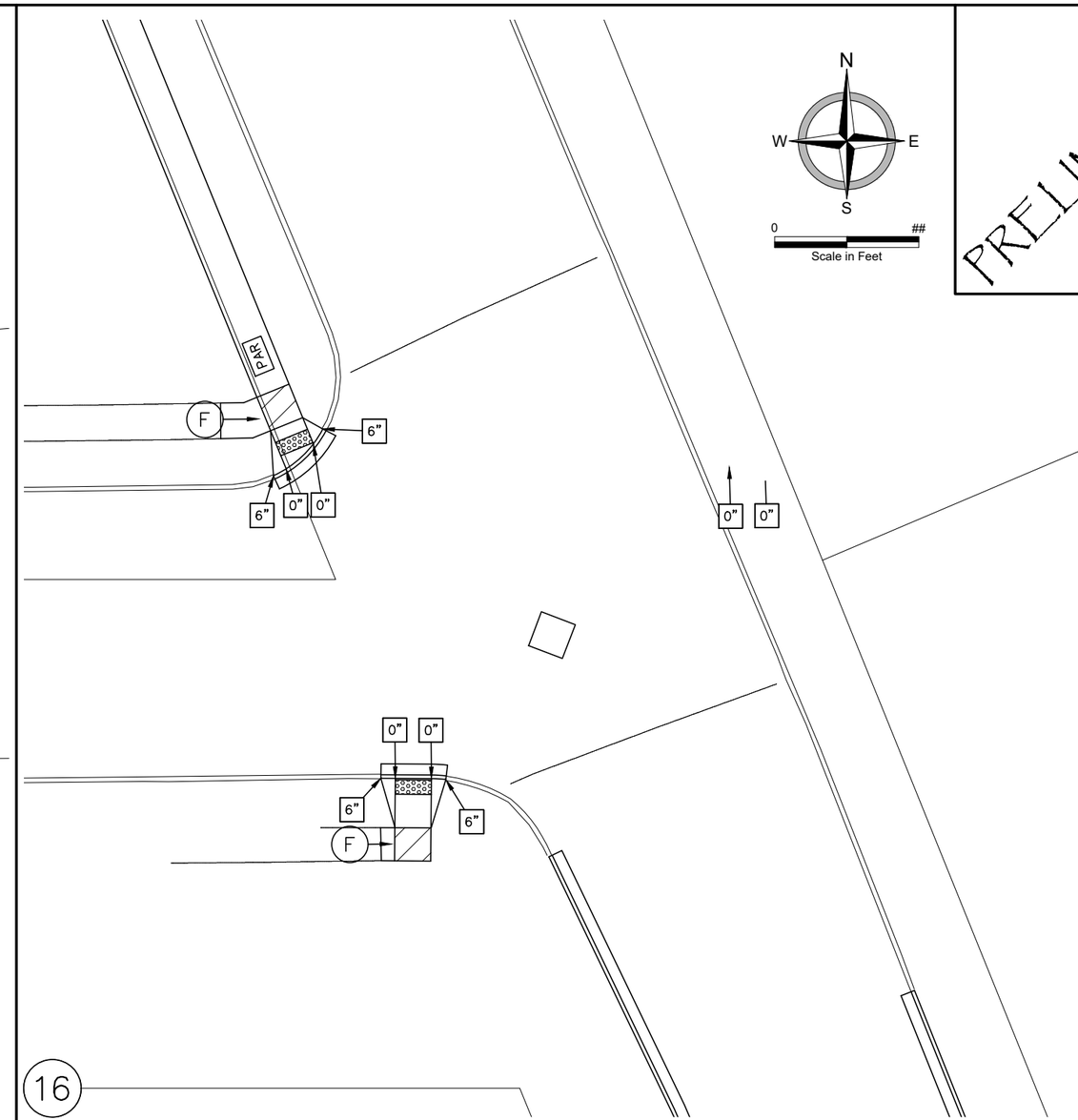
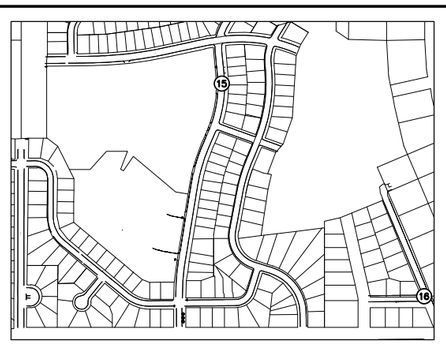




PRELIMINARY

moore engineering, inc.



VICINITY MAP

LEGEND

	DETECTABLE WARNING PANEL	PAR	PEDESTRIAN ACCESS ROUTE 5.0% MAX. RUNNING SLOPE (4.7% MAX. PREFERRED) 2.1 % MAX. CROSS SLOPE (1.5% MAX. PREFERRED)
	LANDING AREA – 4'x4' MIN. (5'x5' PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS (1.5% PREFERRED). LANDING SHALL BE FULL WIDTH OF INCOMING PARS.	PTA	PEDESTRIAN ACCESS TRANSITION AREA 15' MAX LENGTH IF RUNNING SLOPE EXCEEDS 8.3%. TRANSITION CROSS SLOPE AT MAXIMUM OF 0.5% PER FOOT TO EXISTING SIDEWALK. TIE INTO NEAREST JOINT TO ACHIEVE MINIMUM REQUIREMENTS.
S	PEDESTRIAN RAMP SLOPE SHALL BE BETWEEN 5.0% MIN. AND 8.3% MAX. IN THE DIRECTION SHOWN. CROSS SLOPE SHALL NOT EXCEED 2.0% (1.5% PREFERRED)	M	M – MAX 2% SLOPE IN ALL DIRECTIONS IN FRONT OF THE CURB'S PERPENDICULAR GRADE BREAK AND DRAIN TO FLOW LINE. PERPENDICULAR GRADE BREAK SHALL BE CONSTRUCTED INTEGRAL WITH CURB AND GUTTER, AND A SEPARATE POUR FROM ADJACENT SIDEWALK.
F	PEDESTRIAN RAMP SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN. CROSS SLOPE SHALL NOT EXCEED 2.0% (1.5% PREFERRED)	0"	CURB HEIGHT

NOTES:

1. ALL LANDING & TURNING SPACES WILL BE A SEPARATE POUR FROM REMAINING SIDEWALK.
2. EXISTING CONCRETE BENEATH PROPOSED CONCRETE TO BE REMOVED. ANY EXISTING SIDEWALK AREAS NOT BEING REPLACED WITH NEW, ARE INDICATED SEPARATELY.
3. DETAILED DESIGN WAS PROVIDED AT CRITICAL LOCATIONS. FOR ALL OTHERS, CONTRACTOR TO REFER TO ADA REQUIREMENTS NOTES, QUANTITY TABLES, AND ADA DETAILS FOR GUIDANCE. GRADES PROVIDED ARE FOR CONSTRUCTION GUIDANCE.

ADA
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
ADA SITES 15 & 16

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-719

FILE LOCATION: Q:\Projects\30000\30700\30711 Mandan2026StreetProjectArea3A\CAD\C3D\Production\30711-TrafficControl.dwg

DETOUR (A)
M4-9
30" X 24"

DETOUR (B)
M4-9
30" X 24"

DETOUR (C)
M4-9
30" X 24"

END DETOUR (D)
M4-8a
24" X 18"

ROAD CLOSED (E)
R11-2
48" X 30"

ROAD CLOSED TO THRU TRAFFIC (F)
R11-4
60" X 30"

ROAD WORK AHEAD (G)
W20-1
36" X 36"

DETOUR AHEAD (H)
W20-2
36" X 36"

TRAFFIC CONTROL LEGEND
- DETOUR ROUTE
- CONSTRUCTION ZONE
- TYPE THREE BARRICADE
- POST MOUNTED SIGN

PRELIMINARY

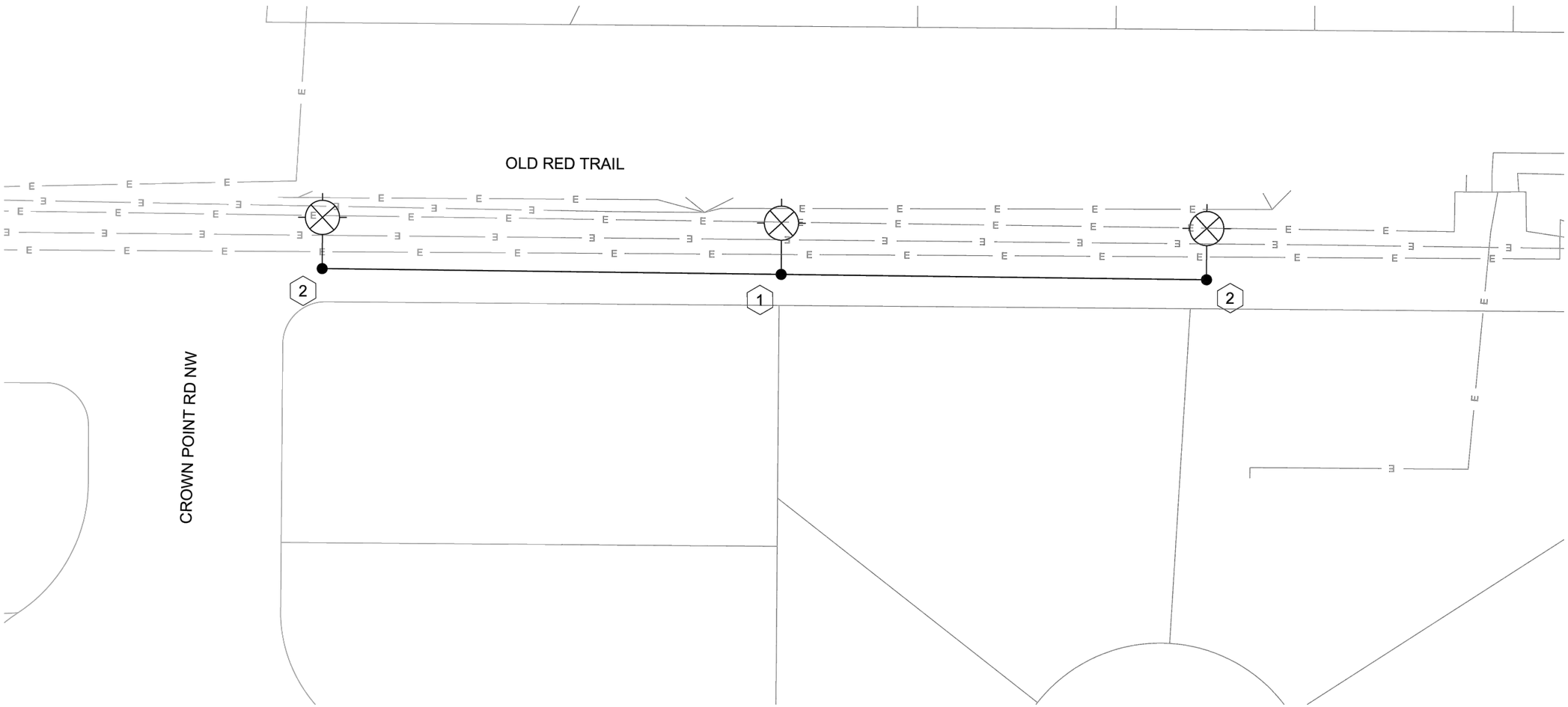
moore engineering, inc.

TRAFFIC CONTROL
2026 STREET IMPROVEMENT DISTRICT 241
STREET IMPROVEMENT AREA 3A PROJECT 2026-01
MANDAN, ND
OLD RED TRAIL DETOUR

DATE:	2.19.2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	GMD
DESIGNER:	CMP
DRAFTER:	MSG
REVIEWER:	MPG

C-801

FILE LOCATION: Q:\2026\26507 Mandan SID 241 2026 Street Rehab\Elec Dwgs\26507 Electrical.dwg



PRELIMINARY

moore engineering, inc.

WEST LIGHTING PLAN

1 / E-100

1" = 40' -0"

NOTES: DETAIL 1/E-100

1. EXISTING WOOD POLE AND LUMINAIRE LOCATION. REMOVE EXISTING POLE AND SALVAGE LUMINAIRE. PROVIDE NEW METAL POLE AND ARM AND RE-INSTALL SALVAGED LUMINAIRE. SEE DETAIL 1/E-101 FOR POLE REQUIREMENTS.
2. EXISTING POLE AND LUMINAIRE TO REMAIN. PROVIDE NEW CIRCUITRY BETWEEN EXISTING POLE AND NEW NOTE 1 POLE AS INDICATED.

SYMBOLS & LEGEND

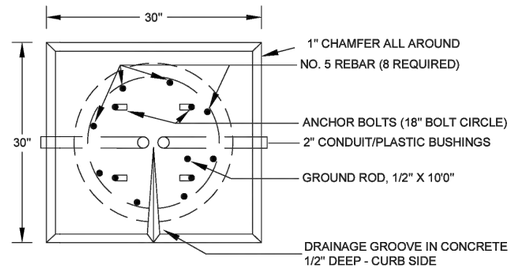
B1 / 2-1	NEW STRUCTURE. NOMENCLATURE: TYPE B, RELAY #2, FIXTURE #1.
■	FEEDPOINT - NEW
▲	JUNCTION BOX - NEW
△	JUNCTION BOX - EXISTING
———	UNDERGROUND CONDUCTOR (CONDUIT ENCASED)
— —	UNDERGROUND CONDUCTOR (CONDUIT ENCASED)
2 / #4	NUMBER OF CONDUCTORS (PLUS GROUND CONDUCTOR) EXAMPLE 2 #4 AWG

ELECTRICAL
2026 STREET REHABILITATION PROJECT (SID 241)
STREET IMPROVEMENTS AREA 3A
MANDAN, ND
ELECTRICAL PLAN

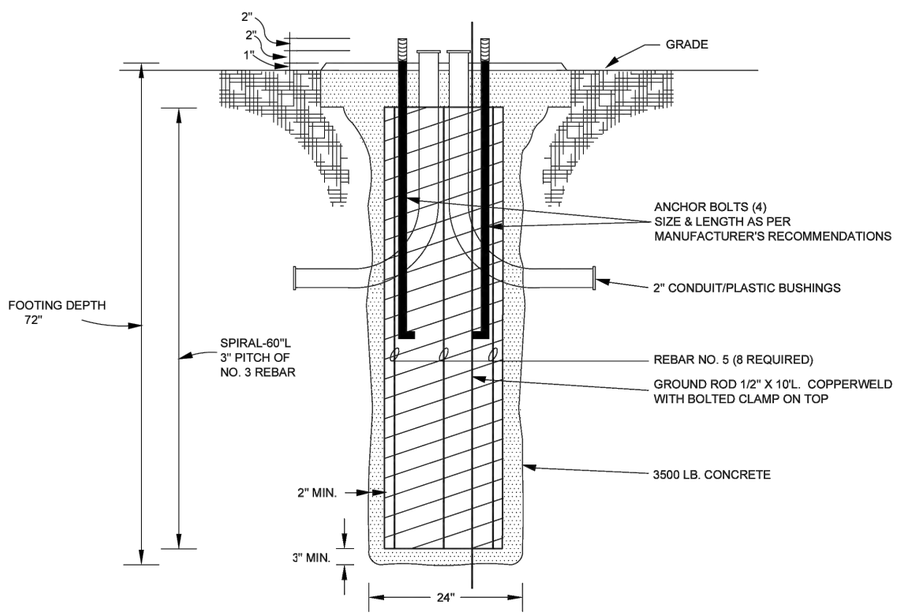
DATE:	1/28/2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	JJB
DESIGNER:	JJB
DRAFTER:	JJB
REVIEWER:	JJB

E-100

FILE LOCATION: Q:\2026\26507 Mandan SID 241 2026 Street Rehab\Elec Dwgs\26507 Electrical.dwg



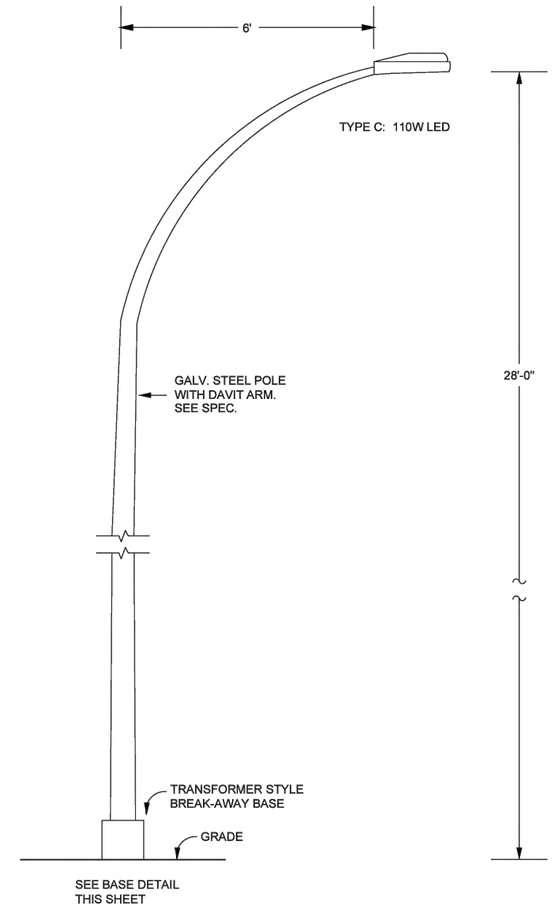
TOP VIEW



SIDE VIEW

2 E-101 TYPE C BASE DETAIL

NO SCALE



1 E-101 TYPE C POLE DETAIL

NO SCALE

PRELIMINARY

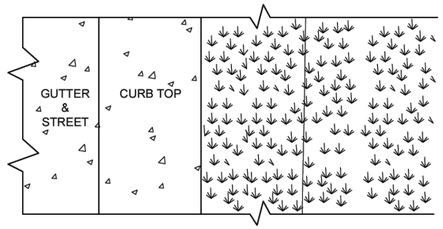
moore engineering, inc.

ELECTRICAL
2026 STREET REHABILITATION PROJECT (SID 241)
STREET IMPROVEMENTS AREA 3A
MANDAN, ND
LIGHTING DETAILS

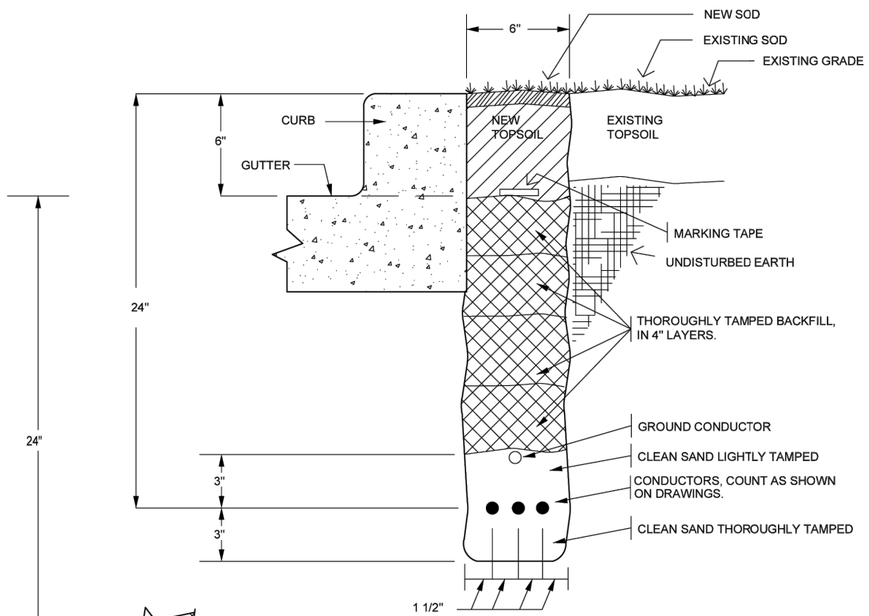
DATE:	1/28/2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	JJB
DESIGNER:	JJB
DRAFTER:	JJB
REVIEWER:	JJB

E-101

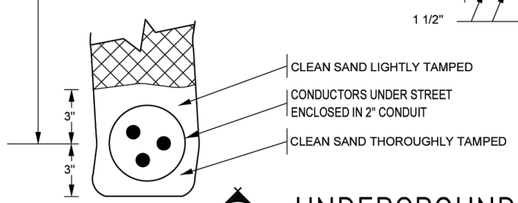
FILE LOCATION: Q:\2026\26507 Mandan SID 241 2026 Street Rehab\Elec Dwgs\26507 Electrical.dwg



PLAN

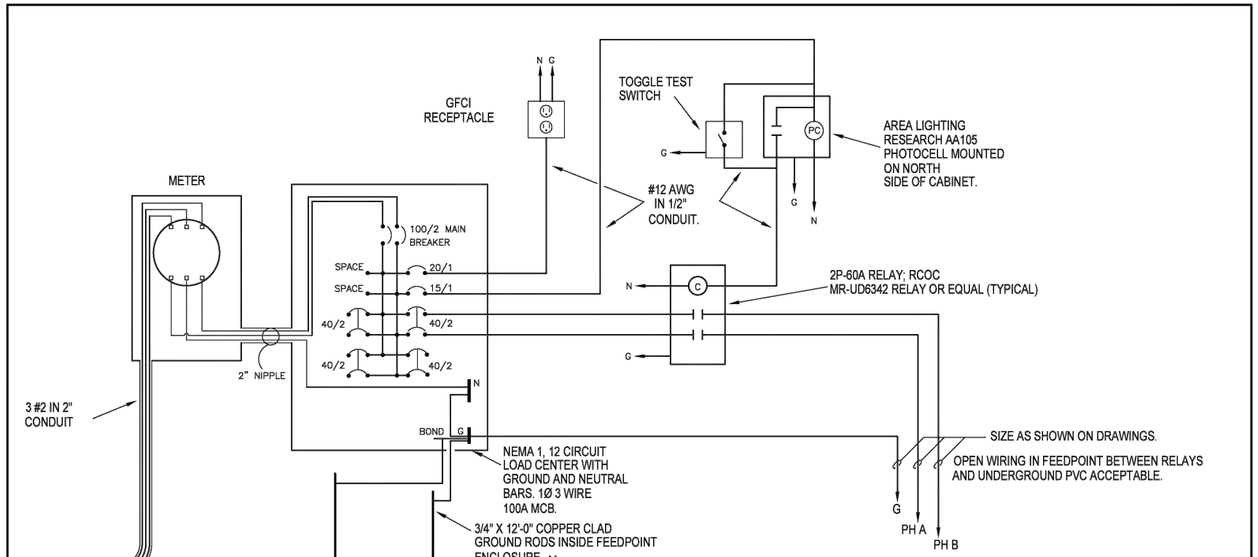


SECTION



1 E-102 UNDERGROUND CABLE DETAIL

NO SCALE



2 E-102 ROADWAY LIGHTING FEEDPOINT WIRING

NO SCALE 120/240V, 1 Ø, 3WIRE

PRELIMINARY

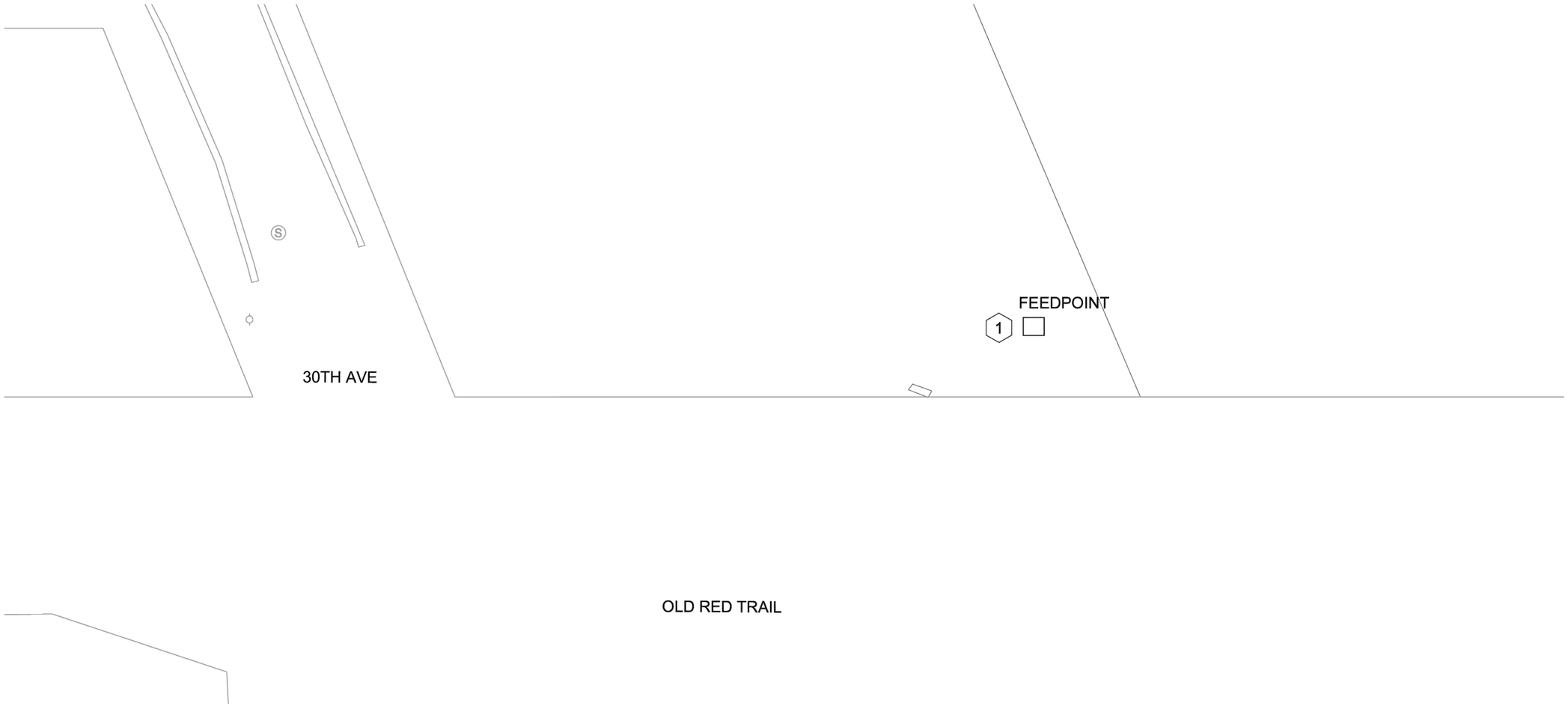
moore engineering, inc.

ELECTRICAL
2026 STREET REHABILITATION PROJECT (SID 241)
STREET IMPROVEMENTS AREA 3A
MANDAN, ND
LIGHTING DETAILS CONT.

DATE:	1/28/2026
REV DATE:	---
REV NUM:	---
RECORD:	---
PROJECT No.	30711
MANAGER:	JJB
DESIGNER:	JJB
DRAFTER:	JJB
REVIEWER:	JJB

E-102

FILE LOCATION: Q:\2026\26507 Mandan SID 241 2026 Street Rehab\Elec Dwgs\26507 Electrical.dwg



1
E-103

FEEDPOINT REPLACEMENT

1" = 40' -0"

NOTES: DETAIL 1/E-103

1. EXISTING FEEDPOINT WITH 2 LIGHTING CIRCUITS. REMOVE EXISTING CABINET COMPLETE AND PROVIDE NEW FEEDPOINT CABINET. REUSE EXISTING EQUIPMENT WITHIN FEEDPOINT ENCLOSURE AND RELOCATE TO NEW ENCLOSURE. PROVIDE GUTTER IN BOTTOM OF NEW ENCLOUSRE AND EXTEND ALL CIRCUITRY IN CONDUIT WITHIN NEW ENCLOSURE. EXTEND EXISTING UNDERGROUND CIRCUITRY INTO NEW GUTTER AND PROVIDE NEW CIRCUITRY FROM GUTTER, THROUGH RELAYS, INTO PANEL AS REQUIRED. REUSE EXISTING UTILITY FEED AND METER SOCKET. SEE DETAILS 2/E-102 AND 1/E-104.

PRELIMINARY

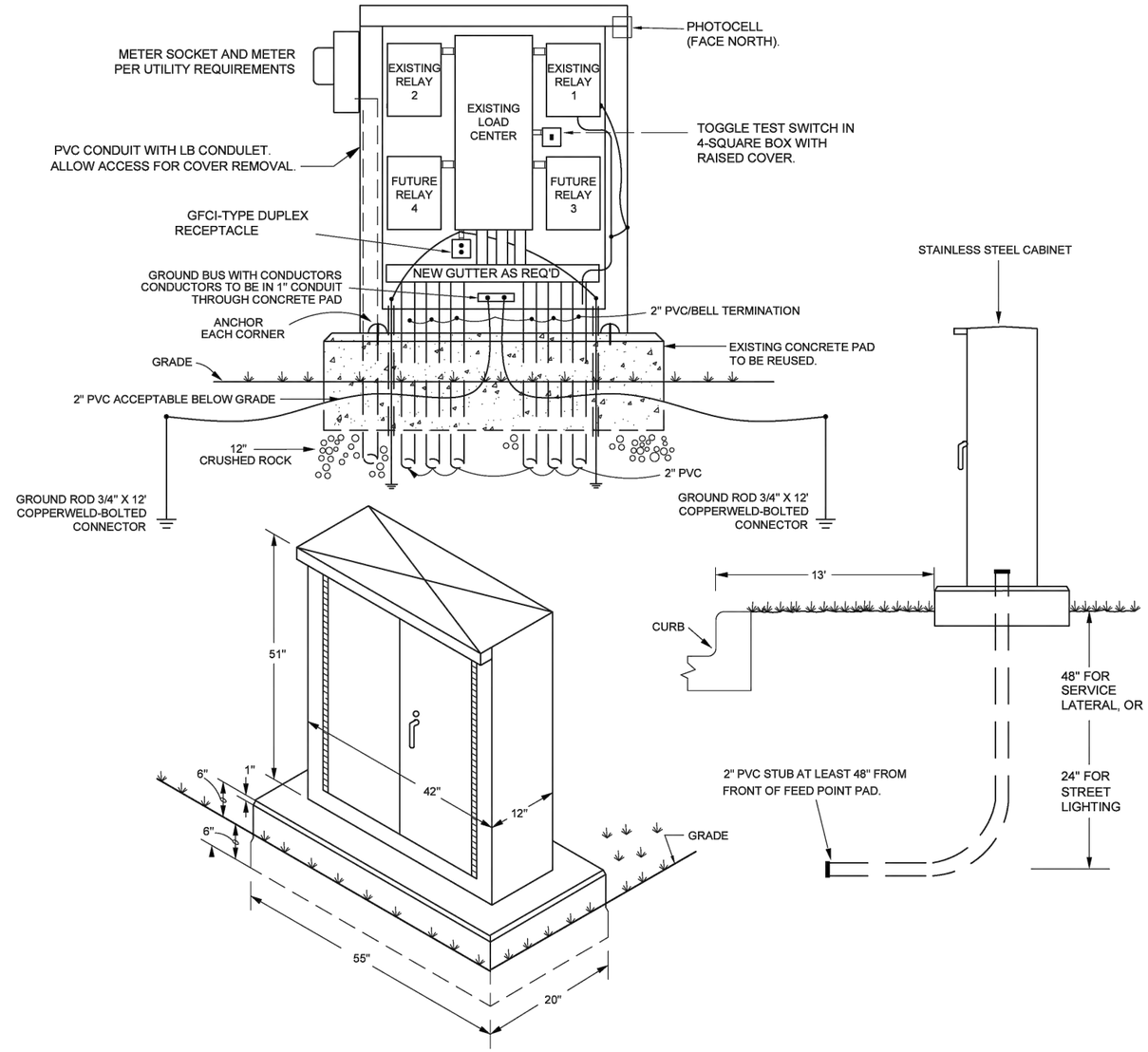
moore engineering, inc.

ELECTRICAL
2026 STREET REHABILITATION PROJECT (SID 241)
STREET IMPROVEMENTS AREA 3A
MANDAN, ND
FEEDPOINT REPLACEMENT

DATE:	1/28/2026
REV DATE:	---
REV NUM:	---
RECORD:	---
PROJECT No.	30711
MANAGER:	JJB
DESIGNER:	JJB
DRAFTER:	JJB
REVIEWER:	JJB

E-103

FILE LOCATION: Q:\2026\26507 Mandan SID 241 2026 Street Rehab\Elec Dwgs\26507 Electrical.dwg



1
E-104

PAD MOUNTED FEED POINT DETAIL

TYPICAL CONDITION - SEE SPEC. NO SCALE

PRELIMINARY

moore engineering, inc.

ELECTRICAL
2026 STREET REHABILITATION PROJECT (SID 241)
STREET IMPROVEMENTS AREA 3A
MANDAN, ND
FEEDPOINT DETAIL

DATE:	1/28/2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	JJB
DESIGNER:	JJB
DRAFTER:	JJB
REVIEWER:	JJB

E-104

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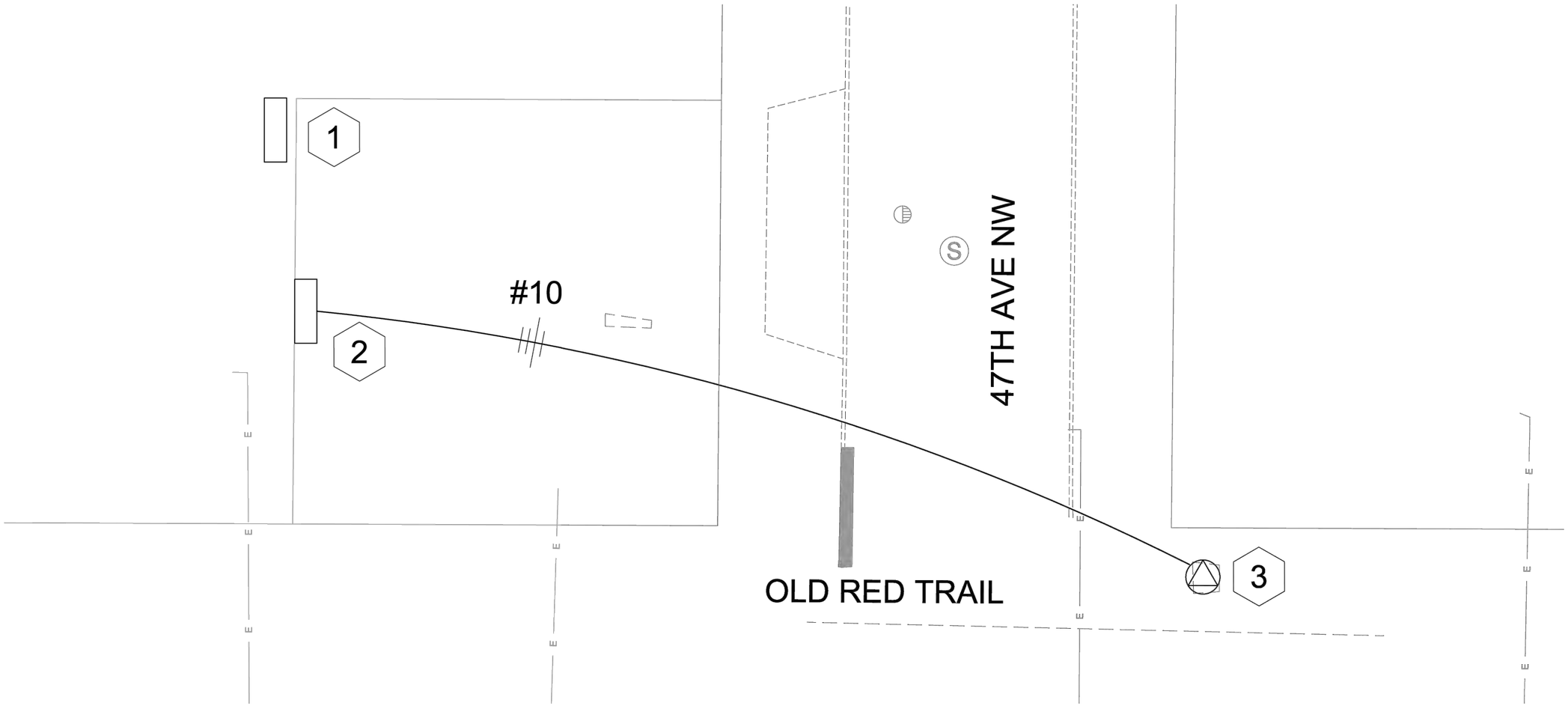


LIFT STATION PLAN

1 / E-105

1" = 20' -0"

NOTES: DETAIL 1/E-105

1. EXISTING STREET LIGHTING FEEDPOINT TO REMAIN IN PLACE.
2. EXISTING LIFT STATION CONTROL PANEL.
3. EXISTING PRESSURE REDUCING VALVE. FIELD VERIFY EXACT LOCATION. PROVIDE NEW CONDUCTORS IN EXISTING CONDUIT FROM EXISTING LIFT STATION CONTROL PANEL. FIELD VERIFY EXACT CIRCUITRY ROUTING. COORDINATE TERMINATIONS IN PANEL AND AT VALVE WITH CITY OF MANDAN.

PRELIMINARY

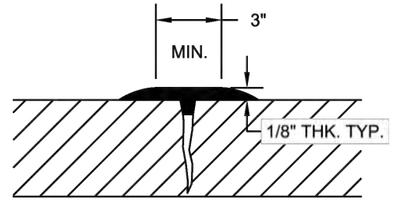
moore engineering, inc.

ELECTRICAL
2026 STREET REHABILITATION PROJECT (SID 241)
STREET IMPROVEMENTS AREA 3A
MANDAN, ND
LIFT STATION PLAN

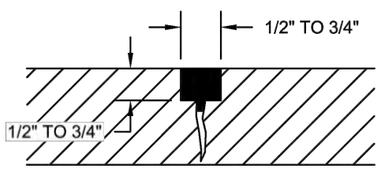
DATE:	1/28/2026
REV DATE:	----
REV NUM:	----
RECORD:	----
PROJECT No.	30711
MANAGER:	JJB
DESIGNER:	JJB
DRAFTER:	JJB
REVIEWER:	JJB

E-105

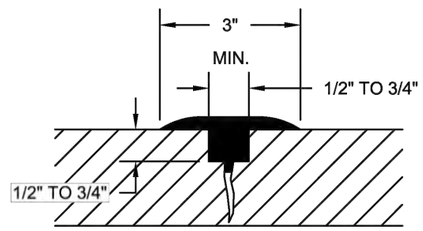
(A) FLUSH-FILL



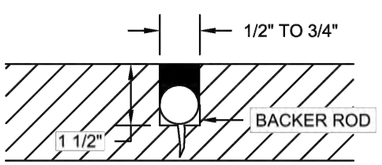
(B) SIMPLE OVERBAND



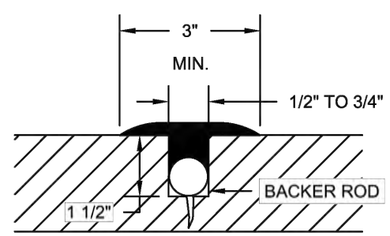
(C) STANDARD RESERVOIR-AND-FLUSH



(D) STANDARD RECESSED OVERBAND



(E) DEEP RESERVOIR-AND-FLUSH
(backer rod)



(F) DEEP RECESSED OVERBAND
(backer rod)

Scale	Sheet #
NTS	1 of 1
Date	
08/31/2019	
File Name	
Construction Details.dwg	

DISCLAIMER

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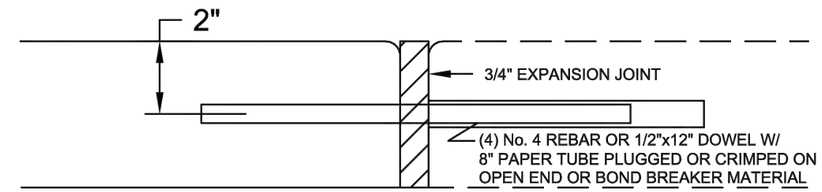
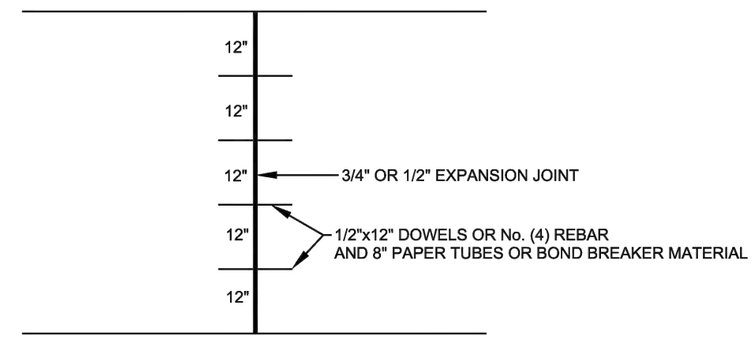
400-2
CRACK SEAL
ASPHALT DETAIL

Engineering & Planning Department

CITY OF MANDAN
WHERE THE WEST BEGINS



END OF SIDEWALK RUN OR AT EXPANSION JOINT, APPROXIMATELY 100' INTERVALS



TYPICAL 5' WIDE SIDEWALK AT LOT LINES, CROSSWALKS OR 100' INTERVALS

STANDARD CONCRETE SIDEWALK

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NTS	1 of 1
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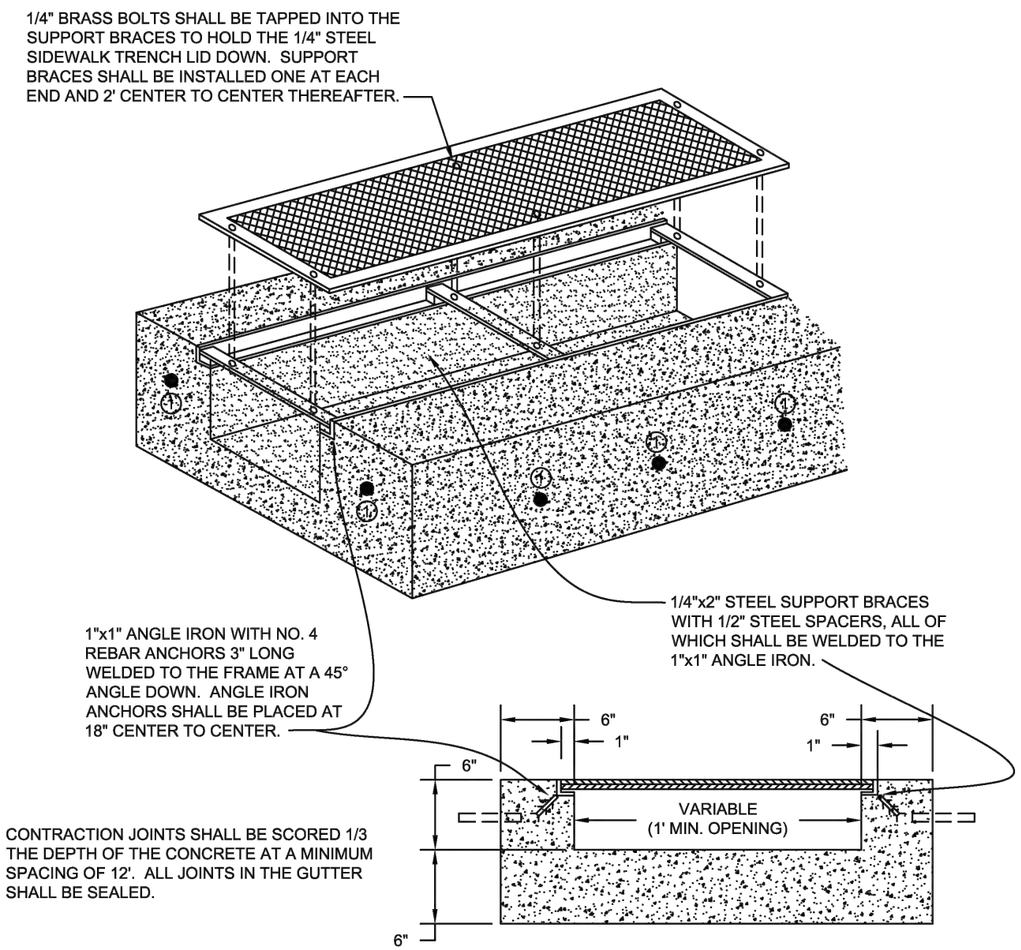
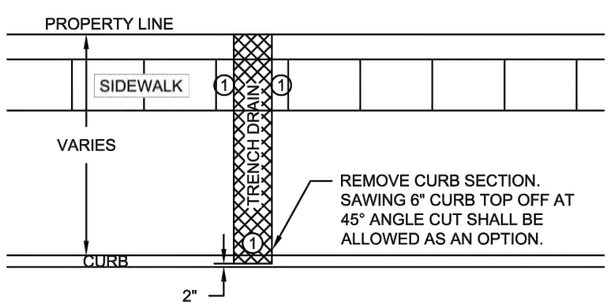
600-1
STANDARD
CONCRETE SIDEWALK

Engineering & Planning Department

CITY OF MANDAN



CONTRACTION JOINTS SHALL BE SCORED 1/3 THE DEPTH OF THE CONCRETE AT A MINIMUM SPACING OF 12'. ALL JOINTS IN THE GUTTER SHALL BE SEALED.



NOTE NO.1
INSTALL DRILLED IN DOWELS OR REINFORCING STEEL BARS AS DIRECTED BY ENGINEER.

TRENCH DRAINS SHALL BEGIN AT PROPERTY LINE OR PROPOSED BACK EDGE OF SIDEWALK AND SHALL EXTEND TO 2" FROM THE FACE OF THE CURB. ALL DRAINS MUST BE COMPLETELY COVERED INCLUDING THE BOULEVARD BETWEEN THE SIDEWALK AND THE CURB.

Scale	Sheet #
NTS	1 of 1
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08/31/2019	
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Construction Details.dwg	

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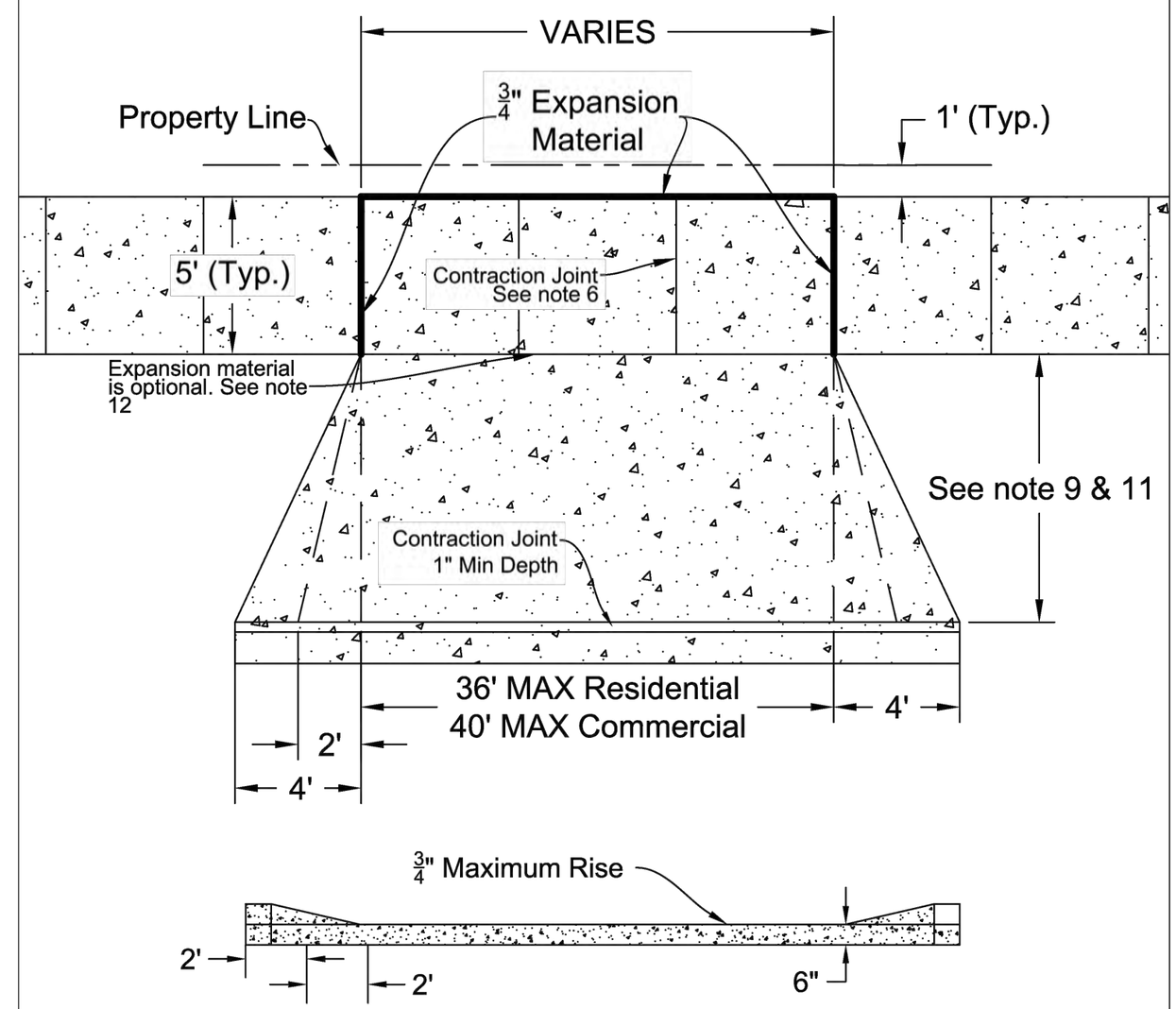
600-5
SIDEWALK TRENCH DRAIN

Engineering & Planning Department

CITY OF MANDAN
WHERE THE WEST BEGINS



Note: 4" Washed Sand, Crushed Concrete, or NDDOT Class 5 Base needed under Concrete.

Refer to the Mandan Construction Specifications for the complete set of specifications on all details.

Scale	Sheet #
NTS	1 of 1
Date	
08/31/2019	
File Name	
Construction Details.dwg	

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600-6
SIDEWALK & DRIVEWAY DETAIL

Engineering & Planning Department

CITY OF MANDAN
WHERE THE WEST BEGINS

1) Expansion joint spacing shall be at 50' intervals, and when abutting existing concrete.

2) Concrete for driveways and sidewalks shall meet compressive strength requirements of 3500 P.S.I.

3) Concrete for driveways and sidewalks through driveways shall be 6" thick, all other sidewalks shall be 4" thick.

4) Driveway apron widths:

Residential: 36' maximum or 10' minimum

Driveway aprons to have flares to match curb elevations. Standard flares will require 4' of additional curb cut.
All driveway aprons are measured at the curb

Commercial: 40' maximum

Driveway aprons to have flares to match curb elevation. Standard flares will require 4' of additional curb cut.
All driveway aprons are measured at the curb
If no sidewalk, driveway apron flare measured 8.5' from back of curb

5) Where necessary to remove existing curb and gutter it shall be removed to an existing joint or saw cut to a minimum $\frac{1}{3}$ thickness of existing concrete.

6) Contraction joint spacing shall be at 5' intervals and be at a minimum $\frac{1}{4}$ depth of pour

7) When constructing a new driveway apron or altering an existing apron, the existing curb and gutter shall be removed, replaced and made part of the new construction

8) Curb and gutter may remain in place during driveway apron construction it it is an existing depressed curb and gutter section

9) Sidewalk to slope 1" towards the street. And $\frac{1}{4}$" per foot from the front side of the sidewalk to backside of curb

10) All sidewalk and/or driveway aprons to have 4" of washed sand, crushed concrete, or NDDOT Class 5 base.

11) On all aprons over 36', contractors may fill in the flare with concrete to make it a straight flare. This will enable an additional 4' on each side of the apron. Where the straight flare meets the existing sidewalk, the sidewalk must be 6" thick

12) The expansion material between the 6" sidewalk and the driveway apron is now optional. If the contractor pours the sidewalk and apron on separate days then form work with expansion and/or a keyway will be required. Without the expansion material there is a required saw cut of $\frac{1}{4}$ the depth of pour

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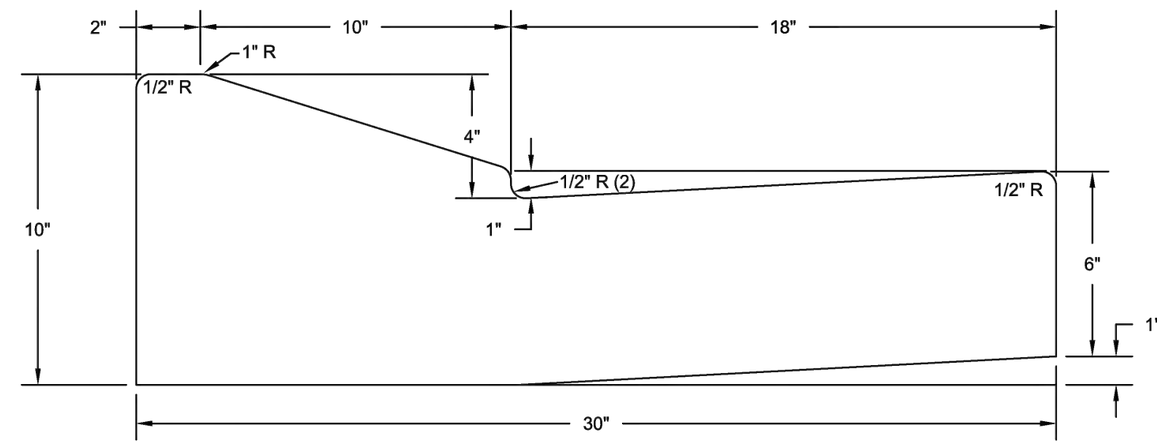
600-6A
SIDEWALK & DRIVEWAY DETAIL

Engineering & Planning Department

CITY OF MANDAN



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600-11
MOUNTABLE CURB & GUTTER

Engineering & Planning Department

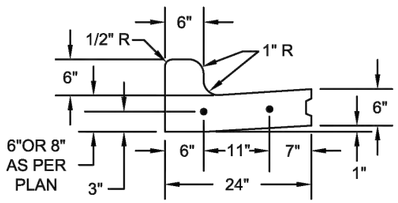
CITY OF MANDAN

NOTE NO. 1 3/4" EXPANSION WITH 3/4"x24" SMOOTH DOWELS & 16" PAPER TUBES OR BOND BREAKER MATERIAL. DOWELS SHALL BE GREASED THE FULL LENGTH. ALL PAPER TUBES SHALL BE PLUGGED OR CRIMPED ON OPEN END. JOINTS SHALL BE PLACED EVERY 100' OR AS DETERMINED BY THE ENGINEER. JOINTS SHALL BE 1/2" LOWER THAN THE TOP OF THE CURB. THIS JOINT MUST BE SEALED.

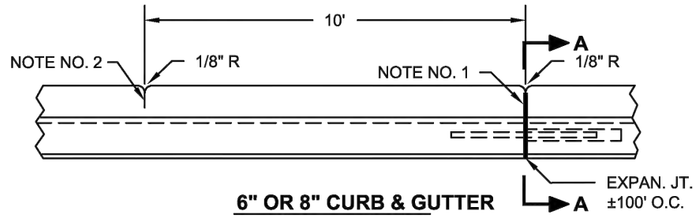
NOTE NO. 2 CONTRACTION JOINT SCORED 1/3 THE DEPTH OF THE CONCRETE.

NOTE NO. 3 THIS KEYED CONSTRUCTION JOINT WHEN SPECIFIED, SHALL BE PAID FOR AS "EXTRA WORK" IN ACCORDANCE WITH SECTION 126 UNLESS SPECIFICALLY CALLED FOR IN THE SPECIAL PROVISIONS OR SHOWN ON THE PLANS.

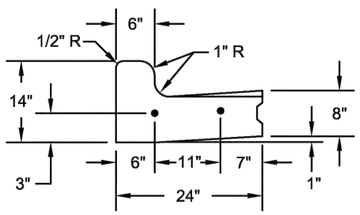
NOTE NO. 4 CURB & GUTTER SHALL BE 6" AND UNREINFORCED UNLESS OTHERWISE SPECIFIED.



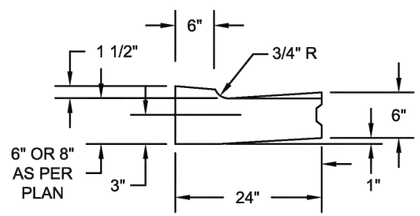
6" OR 8" CURB & GUTTER SECTION A-A



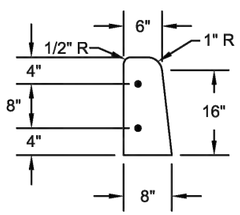
6" OR 8" CURB & GUTTER PLAN VIEW



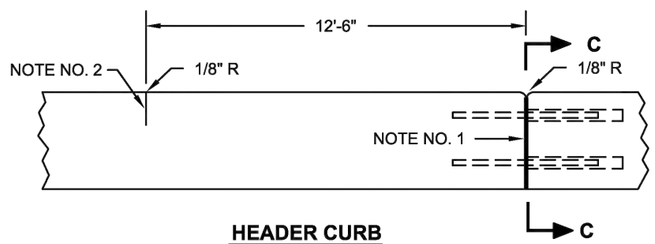
OUTFLOW CURB & GUTTER SECTION A-A



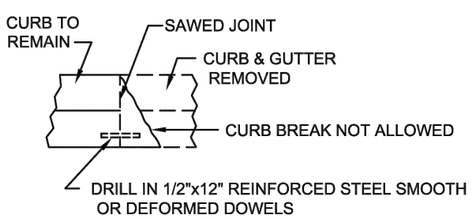
DEPRESSED CURB & GUTTER



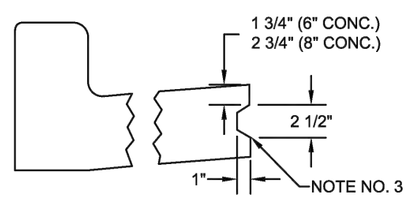
SECTION C- C



HEADER CURB FRONT VIEW



CURB REPAIR



KEYED CONSTRUCTION JOINT DETAIL

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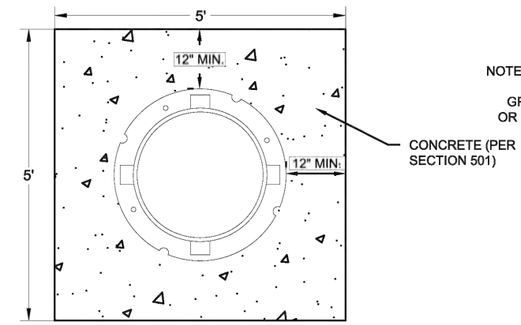
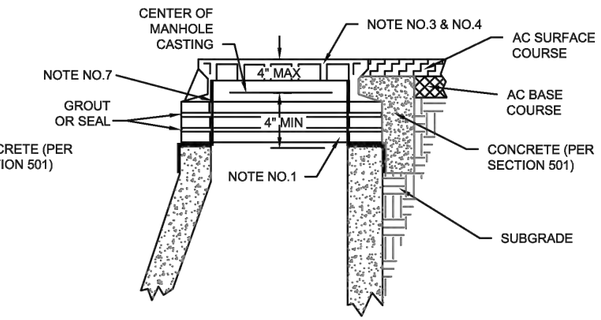
600-12 STANDARD CURB, CURB & GUTTER

Engineering & Planning Department

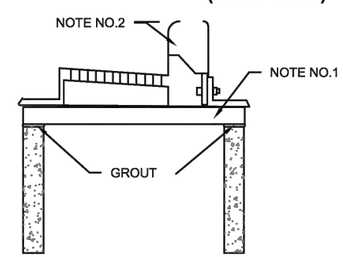
CITY OF MANDAN



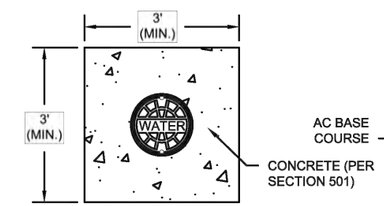
MANHOLE CASTING STANDARD ADJUSTMENT (PLAN VIEW)



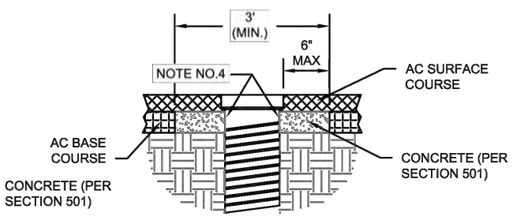
MANHOLE CASTING STANDARD ADJUSTMENT



INLET STANDARD ADJUSTMENT



VALVE BOX ADJUSTMENT (PLAN VIEW)



VALVE BOX ADJUSTMENT

NOTE NO.1 - USE PRECAST CONCRETE ADJUSTING RINGS FOR ADJUSTMENT OF MANHOLES AND TYPE 24" INLET AND TYPE 24" INLET/ MANHOLE. USE CONCRETE BLOCKS FOR ADJUSTMENT OF TYPE 36" AND TYPE 72" INLETS. GROUT SHALL BE PLACED BETWEEN ALL SURFACES. GROUT ON THE INSIDE EDGE OF ADJUSTING RINGS SHALL HAVE A SMOOTH FINISH.

NOTE NO.2 - INLET BACK SHALL BE ADJUSTED TO CONFORM WITH CURB & GUTTER GRADES AND CURB ALIGNMENT.

NOTE NO.3 - MANHOLE CASTING SHALL BE ADJUSTED TO CONFORM WITH SLOPE AND GRADE OF PROPOSED CONCRETE OR PAVEMENT.

NOTE NO.4 - MANHOLE CASTING SHALL BE ADJUSTED AFTER THE AC LEVELING COURSE OR THE AC BASE COURSE HAS BEEN PLACED.

NOTE NO.5 - INLET AND MANHOLE CASTINGS SHALL BE CONSIDERED ADJUSTED ONLY WHEN RAISED OR LOWERED BY ADDING OR REMOVING ADJUSTING RINGS OR GROUT.

NOTE NO.6 - ADAPTOR RING SHALL BE AMERICAN HIGHWAY PRODUCTS MANHOLE RISER OR AN APPROVED EQUAL.

NOTE NO.7 - I/I BARRIER AS MANUFACTURED BY AP/M PERMAFORM OR AN APPROVED EQUAL. IF SPECIFIED ADJUSTMENT RINGS SHALL NOT EXCEED THE HEIGHT OF THE I/I BARRIER.

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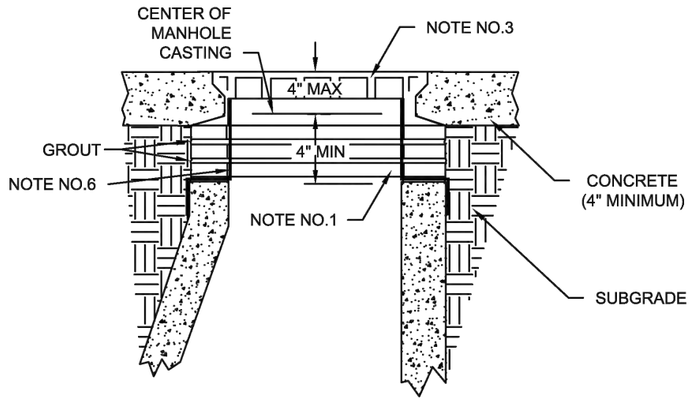
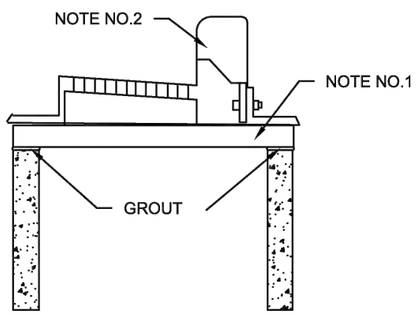
1206-1 MANHOLE, INLET, VALVE BOX ADJUSTMENT IN ASPHALT

Engineering & Planning Department

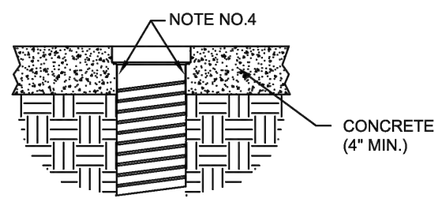
CITY OF MANDAN



MANHOLE CASTING STANDARD ADJUSTMENT



INLET STANDARD ADJUSTMENT



VALVE BOX ADJUSTMENT

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NOTE NO.2 - INLET BACK SHALL BE ADJUSTED TO CONFORM WITH CURB & GUTTER GRADES AND CURB ALIGNMENT.

NOTE NO.3 - MANHOLE CASTING SHALL BE ADJUSTED TO CONFORM WITH SLOPE AND GRADE OF PROPOSED CONCRETE OR PAVEMENT.

NOTE NO.4 - VALVES AND CURB STOP BOXES MUST BE WRAPPED IN ACCORDANCE WITH SECTION 1206.

NOTE NO.5 - INLET AND MANHOLE CASTINGS SHALL BE CONSIDERED ADJUSTED ONLY WHEN RAISED OR LOWERED BY ADDING OR REMOVING ADJUSTING RINGS OR GROUT.

NOTE NO.6 - I/I BARRIER AS MANUFACTURED BY AP/M PERMAFORM OR AN APPROVED EQUAL. IF SPECIFIED ADJUSTMENT RINGS SHALL NOT EXCEED THE HEIGHT OF THE I/I BARRIER.

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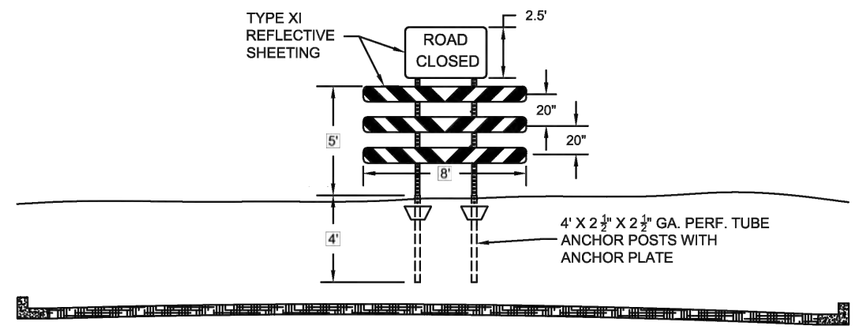
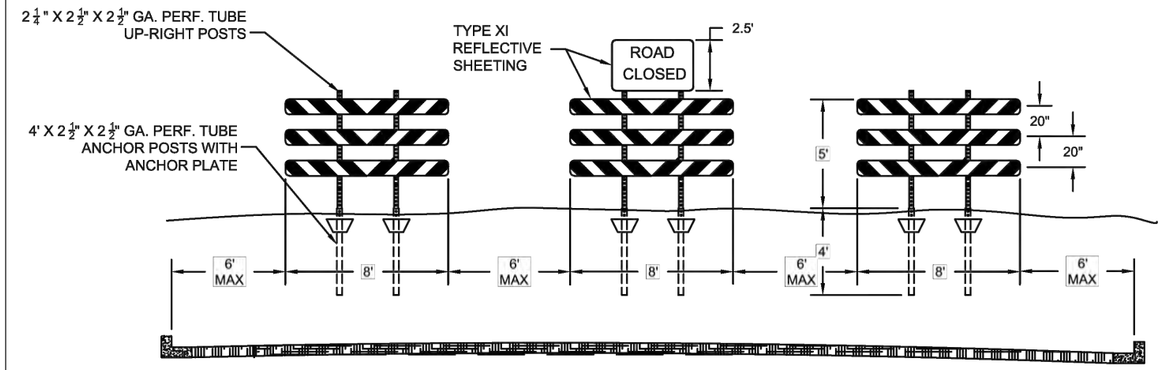
1206-2
MANHOLE, INLET & VALVE BOX ADJUSTMENT IN CONCRETE

Engineering & Planning Department

CITY OF MANDAN



DETAIL B-1 SINGLE BARRICADE



DETAIL B-3 TRIPLE BARRICADE

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1212-1
ROAD CLOSED TYPE III BARRICADES

Engineering & Planning Department

CITY OF MANDAN

RESOLUTION APPROVING PLANS AND SPECIFICATIONS FOR
IMPROVEMENTS IN STREET IMPROVEMENT DISTRICT 241
OF THE CITY OF MANDAN

BE IT RESOLVED by the City Commission of the City of Mandan, North Dakota, that the plans and specifications and estimates of cost for improvements in Street Improvement District 241 of the City of Mandan heretofore prepared by Grant Dockter, Engineer for the Project, be and the same hereby are approved, ratified and confirmed as the plans and specifications and estimates of cost in accordance with which said improvements shall be constructed and the City Administrator shall file the same in his office open to public inspection.

Dated: _____

APPROVED:

_____
Mayor Froelich

ATTEST:

_____
City Administrator

RESOLUTION DIRECTING ADMINISTRATOR TO
ADVERTISE FOR BIDS

WHEREAS, this Commission has heretofore created Street Improvement District 241 of the City of Mandan; and

WHEREAS, plans and specifications and estimates of costs for said street improvements have heretofore been directed to be prepared by the Engineer for the City of Mandan; and

WHEREAS, said plans, specifications and estimates of cost have been prepared and have been approved by the City Commission of the City of Mandan; and

WHEREAS, it is necessary to advertise for bids for the work in said district;

NOW THEREFORE, BE IT RESOLVED by the City Commission of the City of Mandan, Morton County, North Dakota, that the City Administrator be, and he is hereby authorized and directed to cause notice of Advertisement for Bids for the construction of the work heretofore directed to be made in Street Improvement District 241 to be published once each week for two consecutive weeks in the official newspaper of the City, and that the City Administrator and Engineer will meet at the City Hall in the City of Mandan, at a time and date to be determined by the City Administrator, for the purpose of opening sealed bids received prior to the time of such meeting in accordance with such published advertisement for bids for the purpose of taking such other and further action with reference thereto as shall then be deemed necessary and expedient. Such advertisements shall be published in form as provided in Section 48-01.1-05 of the North Dakota Century Code as amended.

Dated: _____

APPROVED:

_____
Mayor Froelich

ATTEST:

_____
City Administrator

City Commission

Agenda Documentation

MEETING DATE: March 3, 2026
PREPARATION DATE: February 24, 2026
SUBMITTING DEPARTMENT: Building Inspections
DEPARTMENT DIRECTOR: Jordan Singer
PRESENTER: Jordan Singer, Building Official
SUBJECT: Ordinance No.1484 Floodplain Management

STATEMENT/PURPOSE:
Ordinance No. 1484 Floodplain Management

BACKGROUND/ALTERNATIVES:
In 2025, the Legislature passed SB 2027. This changes regulatory information for local National Flood Insurance Program communities. The City of Mandan is currently a NFIP community and is required to update its current floodplain district ordinance. Attached is a draft of the updated Ordinance that is required by FEMA, and the State NFIP, in order to continue as a NFIP community. Part of this includes help if and when disaster strikes and we need assistance from the NFIP.

ATTACHMENTS:
1. Ordinance 1484 - Floodplain Ordinance

FISCAL IMPACT:
N/A

STAFF IMPACT:
Floodplain Administrator impacted.

LEGAL REVIEW:
Reviewed by Legal.

RECOMMENDATION:
I move to approve the first consideration of Ordinance #1484 as presented.

SUGGESTED MOTION:

I move to approve the first consideration of Ordinance #1484 as presented.

ORDINANCE NO. 1484

An Ordinance to Amend and Re-enact
Section 105-4-4 of the Mandan Code of Ordinances
Relating to Floodplain Management

Be it Ordained by the Board of City Commissioners as follows:

Section 105-4-4. – Floodplain Management.

SECTION 1.0
STATUTORY AUTHORIZATION, FINDINGS OF FACT, PURPOSE, AND OBJECTIVES

1.1 STATUTORY AUTHORIZATION

The Legislature of the State of North Dakota has in North Dakota Century Code, Chapters 40-05, 11-11, and 58-06, delegated responsibility to local governmental units to adopt regulations designed to promote the public health, safety, and general welfare of its citizenry.

Therefore, the Board of City Commissioners of the City of Mandan does ordain as follows:

1.2 FINDINGS OF FACT

(1) The flood hazard areas of the City of Mandan are subject to periodic inundation which can endanger life, result in loss of property, create health and safety hazards, disrupt commerce and governmental services, cause extraordinary public expenditures for flood protection and relief, and impair the tax base, all of which adversely affect the public health, safety, and general welfare.

(2) Flood losses caused by the cumulative effect of obstructions in the special flood hazard areas cause increases in flood heights and velocities. Inadequately floodproofed, elevated or otherwise unprotected structures also contribute to the flood loss.

1.3 STATEMENT OF PURPOSE

It is the purpose of this ordinance to promote the public health, safety, and general welfare, and to minimize public and private losses due to flood conditions in specific areas by provisions designed:

(1) To protect human life and health;

(2) To minimize expenditure of public money for costly flood control projects;

(3) To minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;

(4) To minimize prolonged business interruptions;

(5) To minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, streets, and bridges located in special flood hazard areas;

(6) To help maintain a stable tax base by providing for the second use and development of special flood hazard areas so as to minimize future flood blight areas;

(7) To ensure that potential buyers are notified that property is in a special flood hazard area;

(8) To ensure that those who occupy the special flood hazard areas assume responsibility for their actions.

1.4 METHODS OF REDUCING FLOOD LOSSES

In order to accomplish its purposes, this ordinance includes methods and provisions for:

(1) Restricting or prohibiting uses which are dangerous to health, safety, and property due to water or erosion hazards, or which result in damaging increases in erosion or in flood heights or velocities;

(2) Requiring that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction;

(3) Controlling the alteration of natural floodplains, stream channels, and natural protective barriers, which help accommodate or channel flood waters;

(4) Controlling filling, grading, dredging, and other development which may increase flood damage; and

(5) Preventing or regulating the construction of flood barriers which will unnaturally divert flood waters or which may increase flood hazards in other areas.

SECTION 2.0
DEFINITIONS

Unless specifically defined below, words or phrases used in this ordinance shall be interpreted so as to give them the meaning they have in common usage and to give this ordinance its most reasonable application.

"Appeal" means a request for a review of the Floodplain Administrator's interpretation of any provision of this ordinance or a request for a variance.

"Base flood or 100-year flood" means the flood having a one percent chance of being equaled or exceeded in any given year.

"Base Flood Elevation" (BFE) means the height of the base flood or 100-year flood usually in feet, measured in the same datum (either NAVD88 or NGVD29) as the FIRM.

"Basement" means any area of the building having its floor subgrade (below ground level) on all sides.

"Best Available Information" (BAI) means water elevation information from any source used to estimate or determine a base flood elevation (i.e. high water mark).

"Community" means any political subdivision that has the authority to zone, or any Indian tribe or authorized tribal organization, which has authority to adopt and enforce flood plain management regulations for the areas within its jurisdiction.

"Conveyance or hydraulic conveyance" means a geometric characteristic of a river or watercourse at a given point that determines the flow-carrying capacity at that point.

"Development" means any man-made change to improved or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, grading, paving, excavation, or drilling operations located within the special flood hazard area.

"Existing Manufactured Home Park or Subdivision" means a manufactured home park or subdivision for which the construction of facilities for servicing the lots on which the manufactured homes are to be affixed (including, at a minimum, the installation of utilities, the construction of streets, and either final site grading or the pouring of concrete pads) is completed before the effective date of the floodplain management regulations adopted by a community.

"Expansion to an Existing Manufactured Home Park or Subdivision" means the preparation of additional sites by the construction of facilities for servicing the lots on which the manufacturing homes are to be affixed (including the installation of utilities, the construction of streets, and either final site grading or the pouring of concrete pads).

"Flood Insurance Rate Map" (FIRM) means the official map issued by the Federal Emergency Management Agency where special flood hazard areas are designated as Zone A, AE, AO, AH, A1-A30 or A-99.

"Flood Insurance Study" (FIS) means the official report provided by the Federal Emergency Management Agency that includes flood profiles, the Flood Insurance Rate Map, and the water surface elevation of the base flood.

"Flood" or "flooding" means a general and temporary condition of partial or complete inundation of normally dry land areas from the overflow of inland or tidal waters and/or from the unusual and rapid accumulation or runoff of surface waters from any source.

"Floodproofing" (Dry) means protection provided a structure, together with attendant utilities and sanitary facilities, which is watertight two feet above the base flood elevation with walls that are substantially impermeable to the passage of water.

"Floodway or regulatory floodway" means the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than one foot.

"Highest adjacent grade" means the highest natural elevation of the ground surface prior to construction next to the proposed walls of a structure.

"Lowest floor" means the lowest floor of a structure including the basement.

"Manufactured home" means a structure, transportable in one or more sections, which is built on a permanent chassis and is designed for use with or without a permanent foundation when connected to the required utilities. The term "manufactured home" does not include a "recreational vehicle" but does include "mobile home."

"Manufactured Home Park or Subdivision" means a parcel (or contiguous parcels) of land divided into two or more manufactured home lots for rent or sale.

"New construction" means structures for which the "start of construction" commenced on or after the effective date of this ordinance.

"New Manufactured Home Park or Subdivision" means a manufactured home park or subdivision for which the construction of facilities for servicing the lots on which the manufactured homes are to be affixed (including at a minimum, the installation of utilities,

the construction of streets, and either final site grading or the pouring of concrete pads) is completed on or after the effective date of floodplain management regulations adopted by a community.

"Person" means any person, firm, partnership, association, corporation, limited liability company, agency, or any other private or governmental organization, which includes any agency of the United States, a state agency, or any political subdivision of the state.

"Reasonably safe from flooding" means base flood waters will not inundate the land or damage structures to be removed from the special flood hazard area, and that any subsurface waters related to the base flood will not damage existing or proposed buildings.

"Recreational vehicle" means a vehicle which is:

(a) built on a single chassis;
(b) 400 square feet or less when measured at the largest horizontal projection;
(c) designed to be self-propelled or permanently towable by a light duty truck;
(d) designed primarily not for use as a permanent dwelling but as temporary living quarters for recreational camping, travel, or seasonal use; including, but not limited to;
(e) travel trailers, trailers on wheels, park-model trailers, and other similar vehicles.

"Special Flood Hazard Area" (SFHA) means an area of land that would be inundated by a flood having a one percent chance of being equaled or exceeded in any given year.

"Start of construction" includes substantial improvement, and means the date the building permit was issued, provided the actual start of construction, repair, reconstruction, placement, or other improvement was within 180 days of the permit date. The actual start means the first placement of permanent construction of a structure on a site, such as the pouring of slab or footings, the installation of piles, the construction of columns, or any work beyond the stage of excavation or the placement of a manufactured home on a foundation. Permanent construction does not include land preparation, such as clearing, grading and filling; nor does it include the installation of streets and/or walkways; nor does it include excavation for a basement, footings, piers, or foundations or the erection of temporary forms; nor does it include the installation on the property of accessory buildings, such as garages or sheds not occupied as dwelling units or not part of the main structure.

"Structure" means a walled and roofed building, including manufactured homes and gas or liquid above-ground storage tanks.

"Substantial damage" means damage of any origin sustained by a structure whereby the cost of restoring the building to its pre-damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred.

"Substantial improvement" means any repair, reconstruction, or improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure either:

1) Before the improvement or repair is started; or

2) If the structure has been damaged and is being restored, before the damage occurred. For the purposes of this definition "substantial improvement" is considered to occur when the first alteration of any wall, ceiling, floor, or other structural part of the building commences, whether or not that alteration affects the external dimensions of the structure.

The term does not, however, include either:

1) Any project for improvement of a structure to comply with existing state or local health, sanitary, or safety code specifications which are solely necessary to assure safe living conditions; or

2) Any alteration of a structure listed on the National Register of Historic Places or a State Inventory of Historic Places.

"Watercourse" means only the channel and banks of an identifiable watercourse, and not the adjoining floodplain areas. The flood carrying capacity of a watercourse refers to the flood carrying capacity of the channel, except in the case of alluvial fans, where a channel is not typically defined. The definition of watercourse in N.D.C.C. § 61-01-06 is not applicable in this ordinance.

"Variance" means a grant of relief from the requirements of this ordinance which permits construction in a manner that would otherwise be prohibited by this ordinance.

"Violation" means the failure of a structure or other development to be fully compliant with the community's flood plain management regulations. A structure or other development without the elevation certificate, other certifications, or other evidence of compliance required by the community's floodplain management ordinance is presumed to be in violation until such time as that documentation is provided.

SECTION 3.0
GENERAL PROVISIONS

3.1 LANDS TO WHICH THIS ORDINANCE APPLIES

This ordinance shall apply to all special flood hazard areas within the jurisdiction of the City of Mandan.

3.2 BASIS FOR ESTABLISHING THE SPECIAL FLOOD HAZARD AREAS

The special flood hazard areas identified by the Federal Emergency Management Agency in a scientific and engineering report entitled "The Flood Insurance Study for the City of Mandan, dated April 19, 2005," with an accompanying Flood Insurance Rate Map is hereby adopted by reference and declared to be a part of this ordinance. The Flood Insurance Study is on file at 205 2nd Avenue Northwest, Mandan, North Dakota.

3.3 COMPLIANCE

No structure or land shall hereafter be constructed, located, extended, converted, or altered without full compliance with the terms of this ordinance and other applicable regulations.

3.4 GREATER RESTRICTIONS

This ordinance is not intended to repeal, remedy, or impair any existing easements, covenants, or deed restrictions. However, where this ordinance and another ordinance, easement, covenant, or deed restriction conflict or overlap, whichever imposes the more stringent restrictions shall prevail.

3.5 INTERPRETATION

In the interpretation and application of this ordinance, all provisions shall be:

(1) Considered as minimum requirements;

(2) Liberally construed in favor of the governing body; and

(3) Deemed neither to limit nor repeal any other powers granted under state statutes.

3.6 WARNING AND DISCLAIMER OF LIABILITY

The degree of flood protection required by this ordinance is considered reasonable for regulatory purposes and is based on scientific and engineering considerations. Larger floods can and will occur on rare occasions. Flood heights may be increased by manmade or natural causes. This ordinance does not imply that land outside the special flood hazard areas or uses permitted within such areas will be free from flooding or flood damages. This ordinance shall not create liability on the part of the City of Mandan, any officer or employee thereof, or the Federal Emergency Management Agency, for any flood damages that result from reliance on this ordinance or any administrative decision lawfully made thereunder.

3.7 SEVERABILITY

If any section, clause, provision, or portion of this ordinance is adjudged unconstitutional or invalid by a court of law, the remainder of this ordinance shall not be affected and shall remain in full force.

SECTION 4.0
ADMINISTRATION

4.1 ESTABLISHMENT OF DEVELOPMENT PERMIT

A development permit shall be obtained before construction or development begins within any special flood hazard area established in Section 3.2. Application for a development permit shall be made on forms furnished by the City of Mandan Floodplain Administrator and may include, but not be limited to: plans in duplicate drawn to scale showing the nature, location, dimensions, and elevations of the area in question; existing or proposed structures, fill storage materials, drainage facilities; and the location of the foregoing. Specifically, the following information is required:

(1) Elevation in the same datum (either NAVD88 or NGVD29) as the FIRM, of the lowest floor of all structures;

(2) Elevation in the same datum (either NAVD88 or NGVD29) as the FIRM to which any structure has been floodproofed;

(3) Certification by a registered professional engineer or architect that the floodproofing methods for any non-residential structure meet the floodproofing criteria in Section 5.2-2; and,

(4) Description of the extent to which any watercourse will be altered or relocated as a result of proposed development.

4.2 DESIGNATION OF THE FLOODPLAIN ADMINISTRATOR

The Floodplain Administrator for the City of Mandan is hereby appointed to administer and implement this ordinance by granting or denying development permit applications in accordance with its provisions.

4.3 DUTIES AND RESPONSIBILITIES OF THE FLOODPLAIN ADMINISTRATOR

Duties of the Floodplain Administrator shall include, but not be limited to:

4.3-1 Permit Review

(1) Review all development permits to determine that the permit requirements of this ordinance have been satisfied.

(2) Approve or deny all applications for development permits required by adoption of this ordinance.

(3) Review all development permits to determine that all necessary permits have been obtained from those federal, state, or local governmental agencies from which prior approval is required.

(4) Review all development permits to determine if the proposed development is located in the floodway. If located in the floodway, assure that the encroachment provisions of Section 5.4 are met.

4.3-2 Use of Other Base Flood Data

When base flood elevation data has not been provided in accordance with Section 3.2, BASIS FOR ESTABLISHING THE SPECIAL FLOOD HAZARD AREAS, the Floodplain Administrator shall obtain, review, and reasonably utilize any base flood elevation data and floodway data available (known as best available information) from any other federal, state, or other source, as criteria for requiring that new construction, substantial improvements, or other development in the floodplain are administered in accordance with Section 5.2, SPECIFIC STANDARDS.

4.3-3 Information to be Obtained and Maintained

(1) Obtain and record the actual elevation (in the same datum (either NAVD88 or NGVD29) as the FIRM), of the lowest floor (including basement) of all new or substantially improved structures, and whether or not the structure contains a basement.

(2) For all new or substantially improved floodproofed structures:

(i) obtain and record the actual elevation (in the same datum (either NAVD88 or NGVD29) as the FIRM), to which the structure has been floodproofed;

(ii) maintain the floodproofing certifications required in Section 4.1(3).

(3) Maintain for public inspection all records pertaining to the provisions of this ordinance.

4.3-4 Alteration of Watercourses

The responsible person shall:

(1) Notify nearby communities, water resource districts, and the North Dakota Department of Water Resources, as necessary, prior to any alteration or relocation of a watercourse, and submit evidence of such notification to the Federal Emergency Management Agency.

(2) Require that maintenance is provided within the altered or relocated portion of said watercourse so that the flood carrying capacity is not diminished; and,

(3) Notify the appropriate water resource district prior to removal or placement of fill within two hundred feet of the bank of a body of water during normal flow or stage.

4.3-5 Interpretation of Flood Insurance Rate Map (FIRM) Boundaries

Make interpretation where needed as to the exact location of the boundaries of the special flood hazard areas (for example, where there appears to be a conflict between a mapped boundary and actual field conditions). The person contesting the location of the boundary shall be given a reasonable opportunity to appeal the interpretation as provided in Section 4.4.

4.3-6 Encroachment Analysis

When a regulatory floodway has not been designated, the Floodplain Administrator must require that no new construction, substantial improvements, or other development (including fill) shall be permitted within Zones A1-30 and AE on the community's FIRM, unless it is demonstrated that the cumulative effect of the proposed development, when combined with all other existing and anticipated development, will not increase the water surface elevation of the base flood more than one foot at any point within the community.

Under the provisions of 44 CFR Chapter 1, Section 65.12, of the National Flood Insurance Program regulations, a community may approve certain development in Zones A1-30, AE, AH, on the community's FIRM which increases the water surface elevation of the base flood by more than one foot, provided that the community first applies for and receives a Conditional Letter of Map Revision (CLOMR) through FEMA.

4.4 VARIANCE PROCEDURE

4.4-1 Appeal Board

(1) The Board of Appeals as established by the City of Mandan shall hear and decide appeals and requests for variances from the requirements of this ordinance.

(2) The Board of Appeals shall hear and decide appeals when it is alleged there is an error in any requirement, decision, or determination made by the Floodplain Administrator in the enforcement or administration of this ordinance.

(3) Those aggrieved by the decision of the Board of Appeals, or any taxpayer, may appeal such decision to the District Court, as provided in N.D.C.C. §§ 40-47-11, 11-33-12, or 58-03-14.

(4) In passing upon such applications, the Board of Appeals shall consider all technical evaluations, all relevant factors, standards specified in other sections of this ordinance; and:

(i) the danger that materials may be swept onto other lands to the injury of others;

(ii) the danger to life and property due to flooding or erosion damage;

(iii) the susceptibility of the proposed facility and its contents to flood damage and the effect of such damage on the individual owner;

(iv) the importance of the services provided by the proposed facility to the community;

(v) the necessity to the facility of a waterfront location, where applicable;

(vi) the availability of alternative locations, for the proposed use which are not subject to flooding or erosion damage;

(vii) the compatibility of the proposed use with existing and anticipated development;

(viii) the relationship of the proposed use to the comprehensive plan and floodplain management program for that area;

(ix) the safety of access to the property in times of flood for ordinary and emergency vehicles;

(x) the expected heights, velocity, duration, rate of rise, and sediment transport of the floodwaters and the effects of wave action, if applicable, expected at the site; and

(xi) the costs of providing governmental services during and after flood conditions, including maintenance and repair of public utilities and facilities such as sewer, gas, electrical, and water systems, and streets and bridges.

(5) Generally, variances may be issued for new construction and substantial improvements to be erected on a lot of one-half acre to less in size contiguous to and surrounded by lots with existing structures constructed below the base flood level, providing items (i-xi) in Section 4.4-1(4) have been fully considered. As the lot size increases beyond the one-half acre, the technical justification required for issuing the variance increases.

(6) Upon consideration of the factors of Section 4.4-1(4) and the purposes of this ordinance, the Board of Appeals may attach such conditions to the granting of variances as it deems necessary to further the purposes of this ordinance.

(7) The Floodplain Administrator shall maintain the records of all appeal actions and to report any variances to the Federal Emergency Management Agency upon request.

4.4-2 Conditions for Variances

(1) Variances may be issued for the reconstruction, rehabilitation, or restoration of structures listed on the National Register of Historic Places or the State Inventory of Historic Places, without regard to the procedures set forth in the remainder of this section.

(2) Variances shall not be issued within the identified floodplain if any increase in flood levels during the base flood discharge would result.

(3) Variances shall only be issued upon a determination that the variance is the minimum necessary, considering the flood hazard, to afford relief.

(4) Variances shall only be issued upon:

(i) a showing of good and sufficient cause;

(ii) a determination that failure to grant the variance would result in exceptional hardship to the applicant; and,

(iii) a determination that the granting of a variance will not result in increased flood heights, additional threats to public safety, cause fraud on or victimization of the public as identified in Section 4.4-1(4), or conflict with existing local laws or ordinances.

(5) Any applicant to whom a variance is granted shall be given written notice that the structure will be permitted to be built with a lowest floor elevation below the base flood elevation and that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced lowest floor elevation.

SECTION 5.0
PROVISIONS FOR FLOOD HAZARD REDUCTION

5.1 GENERAL STANDARDS

In all special flood hazard areas, the following standards are required:

5.1-1 Anchoring

(1) All new construction and substantial improvements, including additions, shall be anchored to prevent flotation, collapse, or lateral movement of the structure.

(2) All manufactured homes must be elevated and anchored to resist flotation, collapse, or lateral movement. Methods of anchoring may include, but are not limited to, use of over-the-top or frame ties to ground anchors. This requirement is in addition to applicable State and local anchoring requirements for resisting wind forces.

5.1-2 Construction Materials and Methods

(1) All new construction and substantial improvements shall be constructed with materials and utility equipment resistant to flood damage.

(2) All new and substantial improvements shall be constructed using methods and practices that minimize flood damage.

(3) All new construction and substantial improvements shall be constructed with electrical, heating, ventilation, plumbing and air conditioning equipment, and other service facilities that are designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding.

5.1-3 Utilities

(1) All new and replacement water supply systems shall be designed to minimize or eliminate infiltration of flood waters into the system;

(2) New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of flood waters into the systems and discharge from the systems into flood waters; and,

(3) On-site waste disposal systems shall be located to avoid impairment to them or contamination from them during flooding.

5.1-4 Subdivision Proposals

(1) All subdivision proposals shall be consistent with the need to minimize flood damage;

(2) All subdivision proposals shall have public utilities and facilities such as sewer, gas, electrical, and water systems located and constructed to minimize flood damage;

(3) All subdivision proposals shall have adequate drainage provided to reduce exposure to flood damage; and,

(4) Base flood elevation data shall be provided for subdivision proposals and other proposed development which contain at least 50 lots or 5 acres (whichever is less).

5.2 SPECIFIC STANDARDS

In all special flood hazard areas where base flood elevation data have been provided as set forth in Section 3.2 BASIS FOR ESTABLISHING THE SPECIAL FLOOD HAZARD AREAS or Section 4.3-2, Use of Other Base Flood Data, the following provisions are required:

5.2-1 Residential Construction

(1) New construction and substantial improvement of any residential structure shall have the lowest floor, including basement, elevated to at least one foot above the base flood elevation.

5.2-2 Nonresidential Construction

Construction and substantial improvement of any nonresidential structure shall either have the lowest floor, including basement, elevated to at least one foot above the base flood elevation <u>or</u>, together with attendant utility and sanitary facilities shall:

(1) Be floodproofed to at least two feet above the base flood elevation, so that below this elevation the structure is watertight with walls substantially impermeable to the passage of water.

(2) Have structural components capable of resisting hydrostatic and hydrodynamic loads and effects of buoyancy.

(3) Be certified by a registered professional engineer or architect that the standards of this subsection are satisfied. Such certification shall be provided to the official as set forth in Section 4.3-3(2).

5.2-3 Manufactured Homes

(1) Require all manufactured homes placed within Zone A shall be installed using methods and practices which minimize flood damage. For the purposes of this requirement, manufactured homes must be elevated and anchored to resist floatation, collapse, or lateral movement. Methods of anchoring may include, but are not limited to, use of over-the-top or frame ties to ground anchors. This requirement is in addition to applicable State and local anchoring requirements for resisting wind forces.

(2) Require all manufactured homes placed or substantially improved within Zones A 1-30, AH, or AE on sites (i) outside of a manufactured home park or subdivision, (ii) in a new manufactured home park or subdivision, (iii) in an expansion to an existing manufactured home park or subdivision, or (iv) in an existing manufactured home park or subdivision which has incurred substantial damage, be elevated on a permanent foundation so the lowest floor of the manufactured home is elevated one foot above the base flood elevation and be securely anchored to an adequately anchored foundation system to resist floatation, collapse, and lateral movement.

(3) Require that manufacture homes placed or substantially improved on sites in an existing manufacture home park or subdivision within Zones A 1-30, AH, or AE not subject to other requirements of this section be elevated so that either:

(i) the lowest floor of the manufacture home is one foot above the base flood elevation, or

(ii) the manufacture home chassis is supported by reinforced piers or other foundation elements of at least equivalent strength that are no less than 36" in height above grade and be securely anchored to an adequately anchored foundation system to resist floatation, collapse, and lateral movement.

5.2-4 Recreational Vehicles

In A1-30, AH, and AE Zones, all recreational vehicles to be placed on a site must:

(i) be elevated and anchored to meet the requirements in 5.2-3; OR
(ii) be on the site for less than 180 consecutive days; AND
(iii) be fully licensed and highway ready

5.3 RESERVED

5.4 FLOODWAYS

Located within the special flood hazard areas established in Section 3.2 are areas designated as floodways. Since the floodway is an extremely hazardous area due to the velocity of flood waters which carry debris, potential projectiles, and erosion potential, the following provisions apply:

(1) Prohibit encroachments, including fill, new construction, substantial improvements, and other development unless certification by a registered professional engineer or architect is provided demonstrating that encroachments shall not result in any increase in flood levels during the occurrence of the base flood discharge. Any increase, as is used in this section, means any modeled impact greater than 0.00 feet.

(2) If Section 5.4 (1) is satisfied, all new construction and substantial improvements shall comply with all applicable flood hazard reduction requirements of this ordinance.

(3) Under the provisions of 44 CFR Section 65.12 of the NFIP Regulations, a community may permit encroachments within the adopted regulatory floodway that would result in an increase in BFEs, provided that the community first applies for and receives a Conditional Letter of Map Revision (CLOMR) through FEMA.

5.5 ENCLOSURES

New construction and substantial improvements, with fully enclosed areas below the lowest floor that are usable solely for parking of vehicles, building access or storage in an area other than a basement and which are subject to flooding shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters. Designs for meeting this requirement must either be certified by a registered professional engineer or architect or meet or exceed the following minimum criteria:

(1) A minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided.

(2) The bottom of all openings shall be no higher than one foot above grade.

(3) Openings may be equipped with screens, louvers, valves, or other coverings or devices provided they allow the automatic entry and exit of floodwaters.

SECTION 6.0
VIOLATIONS

6.1 PENALTIES FOR VIOLATIONS

(1) Violation of the provisions of this ordinance or failure to comply with any of its requirements, including violations on conditions and safeguards established in connection with grants or variances or conditional uses, shall constitute a misdemeanor. Any person who violates this ordinance or fails to comply with any of its requirements shall upon conviction thereof be punished by a fine not exceeding $500 or by imprisonment not to exceed 30 days or by both such fine and imprisonment for each such offense, and in addition shall pay costs and expenses involved in the case. Each day such violation continues shall be considered a separate offense.

(2) Nothing herein contained shall prevent the Mandan City Commission from taking such other lawful action as is necessary to prevent or remedy any violation.

By:_____
James Froelich, President, Board of
City Commissioners

Attest:

_____
James Neubauer, City Administrator

First Consideration: March 3, 2026
Second Consideration and Final Passage: March 17, 2026
Publication: _____

City Commission

Agenda Documentation

MEETING DATE: March 3, 2026
PREPARATION DATE: February 25, 2026
SUBMITTING DEPARTMENT: Engineering Department
DEPARTMENT DIRECTOR: Jarek Wigness
PRESENTER: Jarek Wigness, City Engineer
SUBJECT: Mandan 2027 Reconstruction Project (Mandan Proper PH I) District Creation Resolutions

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STATEMENT/PURPOSE:
To consider the resolutions necessary to create Street Improvement District 243 for the Mandan Proper PH I project.

BACKGROUND/ALTERNATIVES:
In the last 10 years, the Mandan Proper PH I area has experienced over 10 water main breaks. Additionally, the roadway, sanitary sewer, and storm sewer have surpassed their useful lives. The 2027 Reconstruction Project Aims to rehabilitate the area and its utilities.

It is anticipated that the project will be funded using City Funds, special assessments, and DWR funding. The has started public engagement efforts and will continue them until project completion. A public input meeting was held on February 24th with an additional public input meeting scheduled for March 12th at First Lutheran Church at 6 PM.

This project is listed as a high priority in the City's Capital Improvement Plan

ATTACHMENTS:
1. Resolution Approving Engineer's Report
2. Resolution Creating Improvement District 243
3. Resolution of Necessity

FISCAL IMPACT:
Staff is proposing to contribute Municipal Infrastructure Funds to the project. The

proposed funding sources for the project are Department of Water Resources, SRF loan, city utility fund, and Municipal Infrastructure Funds. The proposed funding package would lead to special assessments between $17,500 and $19,500. This package reduces the local share of the project by over 60%.

STAFF IMPACT:
Significant time and effort working alongside Moore Engineering on this project

LEGAL REVIEW:
All commission documents have been forwarded to the City Attorney for review.

RECOMMENDATION:
Approve the resolutions necessary to create Street Improvement District 243.

SUGGESTED MOTION:
1. Move to approve the Resolution of Necessity, Resolution to Create the District, and Resolution Approving the Engineer's Report.

2. Move to contribute Municipal Infrastructure Funds to the project at an estimated $2,200,000.

RESOLUTION APPROVING ENGINEER'S REPORT AND AUTHORIZING PREPARATION OF THE DETAILED PLANS AND SPECIFICATIONS FOR THE CONSTRUCTION OF THE IMPROVEMENT IN STREET IMPROVEMENT DISTRICT NO. 243

BE IT RESOLVED By the Board of City Commissioners of the City of Mandan, North Dakota, as follows:

1. That the report of the City Engineer with respect to the general nature, purpose, and feasibility of the proposed improvement and the estimate of the probable cost of the work to be done in Street Improvement District No. 243 (Project #2026-08), as required by section 40-22-10 of the North Dakota Century Code, and hereto filed in the office of the City Administrator, is hereby accepted and approved and the proposed improvement project within said District is hereby determined and declared to be feasible.

2. The probable costs of the improvement project are estimated as follows:

a. Construction costs:	$8,590,570.00
b. Other costs including necessary and reasonable change orders; engineering, fiscal agent's and attorneys' fees; cost of publication of legal notices; printing of warrant bonds; and all expenses incurred in the making of the improvement and levy of assessments therefor:	$2,259,430.00
c. Total estimated costs of the improvement:	$10,850,000.00

3. The Engineer is hereby authorized and directed to prepare detailed plans and specifications for the project to be constructed.

4. This resolution shall be in full force and effect from and after its passage.
Dated this 3rd day of March, 2026.

_____
President, Board of City Commissioners

ATTEST:

_____
City Administrator

FEASIBILITY AND EVALUATION OF IMPROVEMENTS FOR STREET IMPROVEMENT DISTRICT #243, PROJECT #2026-08

1.) General Nature of Project

The district has been created to allow for street improvements to the areas identified in the map and includes asphalt resurfacing by reconstruction, chip seal, spot repair of curb and gutter, and related work. The project also includes water main replacement, sanitary sewer rehabilitation, and improvements to the storm sewer system.

2.) Location of Proposed Construction

The proposed construction will take place throughout the areas identified on the map including alleys.

3.) Environmental Impact

It is anticipated that there will be some dirt, noise, and pollutants during the construction period as a result of the use of necessary equipment. There will also be some surplus or waste construction materials that will need to be disposed of by the contractor at his or her expense. The contractors will be responsible for leaving the area in an attractive and neat condition. Sensitivity to contaminants from construction will be addressed with the contractor of the job as part of the storm water management permitting procedures.

4.) Feasibility of Project

In the opinion of the undersigned this project is feasible and needed throughout the indicated area as an improvement to streets that have deteriorated to the point of inadequacy.

5.) Estimate of Cost

Attached is a map showing the area and district boundary. The construction costs are estimated at $8,590,570.00. Other costs of making the improvement include necessary and reasonable change orders, engineering, fiscal agents' and attorneys' fees, publication of legal notices, printing of warrants, and all expenses incurred in the making of the improvement and levy of assessments therefore are estimated at $2,259,430.00. The total cost for the improvement is estimated at $10,850,000.00.

Dated this 24th day of February, 2026.

_____

Jarek Wigness
Engineering Director

Project #: 30712
Date Created: 12/3/2025

Mandan Street Improvements
2027 Street Rehabilitation Project
Mandan Proper - PH I - NW
Mandan, ND

Engineer's Preliminary Opinion of Cost

BMP					
12000	Testing Allowance	ALLOW	1	$50,000.00	$50,000.00
321500	Storm Water Management	L SUM	1	$10,000.00	$10,000.00
15000	Traffic Control	L SUM	1	$15,000.00	$15,000.00
12000	Mobilization	L SUM	1	$350,000.00	$350,000.00
203.0505	Exploratory Excavation	HR	5	$800.00	$4,000.00
Removals					
312300	Common Excavation - Type A	CY	4,600	$65.00	$299,000.00
321123	Full Depth Reclamation	SY	39,500	$8.00	$316,000.00
24200	Removal of Curb and Gutter	LF	6,000	$20.00	$120,000.00
24200	Removal of Hydrant	EA	13	$1,000.00	$13,000.00
24200	Removal of Storm Manhole	EA	8	$2,000.00	$16,000.00
24200	Removal of Pipe - Storm Sewer	LF	700	$65.00	$45,500.00
24200	Removal of Concrete	SY	3,000	$50.00	$150,000.00
28213	Removal of Asbestos Cement Pipe	LF	1,200	$175.00	$210,000.00
1001-4.29	Remove Street Light Standard	EA	1	$1,000.00	$1,000.00
Sanitary					
330130.11	CIP Extensive Cleaning	LF	50	$50.00	$2,500.00
330130.720	Extensive Root Removal	LF	50	$50.00	$2,500.00
330130.11	Protruding Tap Removal	EA	25	$300.00	$7,500.00
333111	Sanitary Sewer Spot Repair	EA	5	$15,000.00	$75,000.00
330130.72	Sanitary Sewer CIPP - 6"	LF	300	$40.00	$12,000.00
330130.72	Sanitary Sewer CIPP - 8"	LF	3,200	$45.00	$144,000.00
330130.72	Sanitary Sewer CIPP - 12"	LF	1,700	$55.00	$93,500.00
330130.81	Manhole Rehabilitate	EA	15	$8,500.00	$127,500.00
330130.11	Television Inspection of Sewers - Pre-Construction	LF	5,100	$2.00	$10,200.00
330130.11	Television Inspection of Sewers - Post Construction	LF	5,100	$1.00	$5,100.00
801-4.65	Televise Sanitary Sewer Services	LF	300	$100.00	$30,000.00
1205-4.1	Concrete Manhole	EA	2	$14,000.00	$28,000.00
1206-4.2	Furnish and Adjust Manhole Castings - Asphalt Pavement	EA	35	$2,500.00	$87,500.00
Water					
15000	Temporary Water	LSUM	1	$60,000.00	$60,000.00
1206-4.11	Adjust Valve Box-Asphalt Pavement	EA	20	$1,500.00	$30,000.00
901-5	Connection to Existing Main	EA	5	$8,000.00	$40,000.00
1209-4.50	Curb Stop & Box - 1"	EA	110	$1,200.00	$132,000.00
1209-4.40	Water Service Connection - 1"	EA	110	$1,200.00	$132,000.00
1209-4.11	Water Service Line - 1"	LF	3,100	$75.00	$232,500.00
901-4.51	Gate Valve & Box	EA	20	$8,000.00	$160,000.00
901-4.70	Hydrant - 6"	EA	12	$10,000.00	$120,000.00
24200	Abandon Gate Valve	EA	10	$450.00	$4,500.00
901-XXX	Adjust Watermain (12 Inch and Under)	EA	2	$9,000.00	$18,000.00
901-4.11	Water Main - 8"	LF	3,500	$140.00	$490,000.00
901-4.12	Water Main - 12"	LF	750	$175.00	$131,250.00
Storm					
312500	Inlet Protection - Special	EA	30	$320.00	$9,600.00
24200	Abandonment of Pipe - Storm Sewer	LF	2,000	$35.00	$70,000.00
802-4.103	Storm Sewer- Connect to Existing Pipe	EA	3	$2,000.00	$6,000.00
802-4.1	Storm Sewer Pipe	LF	2,700	$190.00	$513,000.00
1205-4.1	Concrete Manhole	EA	8	$10,000.00	$80,000.00
1205-4.5	Type 24" Inlet	EA	26	$8,000.00	$208,000.00
1206-4.3	Adjust Type 24" Inlet Casting	EA	6	$1,000.00	$6,000.00
Earthwork					
1201-4.1	Topsoil - 4"	CY	700	$10.00	$7,000.00
1204-4.1	Hydraulic Mulch	SY	6,000	$2.50	$15,000.00

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Mandan Street Improvements
2027 Street Rehabilitation Project
Mandan Proper - PH I - NW
Mandan, ND

Engineer's Preliminary Opinion of Cost

1202-4.1	Seeding Class II	SY	6,000	$2.00	$12,000.00
Paving/ Street Reconstruction					
321216	Cored Sample	EA	20	$65.00	$1,300.00
312300	Subgrade Preparation-Type A-12In	SY	39,500	$7.00	$276,500.00
1207-4.1	Geogrid Reinforcement	SY	39,500	$10.00	$395,000.00
SP01-001	Pavement Reinforcing Fabric	SY	0	$4.00	$0.00
321123	Remove & Relay Blended Base Course	SY	39,500	$5.00	$197,500.00
321123	Aggregate Base Course Cl 5	TON	800	$55.00	$44,000.00
321216	Superpave FAA 42/43	TON	10,500	$150.00	$1,575,000.00
321216	Asphalt Patching	SY	0	$70.00	$0.00
321236	Fog Seal	SY	39,500	$1.00	$39,500.00
321236	Seal Coat	SY	39,500	$2.00	$79,000.00
405-8.1	Emulsion and Asphalt Cement Sealants	LF	21,500	$1.00	$21,500.00
405-8.6	Routed/Sawn Cracks	LF	3,300	$2.00	$6,600.00
320116	Milling Pavement Surface - 2"	SY	0	$4.00	$0.00
1210-4.43	Pavement Marking Film Grooved - 24" Line	LF	65	$50.00	$3,250.00
1210-4.4	Pavement Marking Film Grooved - 4" Line	LF	0	$35.00	$0.00
321313	Concrete Pavement	SY	0	$140.00	$0.00
Concrete					
321313	Valley Gutter	SY	275	$175.00	$48,125.00
603-5.3	Curb and Gutter - Type I	LF	6,000	$65.00	$390,000.00
603-5.6	Curb Header - Type I	LF	500	$70.00	$35,000.00
601-4.1	Sidewalk Concrete	SY	3,000	$130.00	$390,000.00
601-4.5	Detectable Warning Panels	SF	800	$60.00	$48,000.00
Restoration					
1212-4	Furnish & Install Sign	SF	8	$35.00	$280.00
1212-4	Remove & Reset Sign	EA	10	$85.00	$850.00
1212-4	Galvanized Stl. Posts - Telescoping Perf Tube	LF	12	$45.00	$540.00
1212-4	Remove Sign Panel	EA	7	$110.00	$770.00
1001-4.26	Remove & Reset Mailbox	EA	10	$300.00	$3,000.00
201-3.8	Tree Pruning	EA	100	$300.00	$30,000.00
201-3.8	Shrub Pruning	EA	30	$100.00	$3,000.00
201-3.2	Tree Removal	EA	13	$1,000.00	$13,000.00
Electric					
Division 16	Remove Feedpoint	EA	2	$1,800.00	$3,600.00
Division 16	Remove Pole and Base	EA	5	$2,500.00	$12,500.00
Division 16	Type B Street Light Unit	EA	7	$7,200.00	$50,400.00
Division 16	#4 AWG Circuitry	LF	3,800	$8.85	$33,630.00
Division 16	#6 AWG Circuitry	LF	2,500	$6.30	$15,750.00
Division 16	Trenching (27" DEEP)	LF	1,250	$5.10	$6,375.00
Division 16	Junction Boxes	EA	1	$2,850.00	$2,850.00
Division 16	2" Conduit (Laid)	LF	1,250	$19.00	$23,750.00
Division 16	Directional Boring	LF	6,250	$19.00	$118,750.00
Division 16	New Feedpoint	EA	2	$9,800.00	$19,600.00

Construction Subtotal	$8,590,570.00
Contingencies	$889,430.00
Preliminary Engineering	$330,000.00
Final Design	$330,000.00
Bidding & Negotiating	$20,000.00
Construction Engineering	$680,000.00
Legal and bonding	$10,000.00
Total Project Cost	$10,850,000.00

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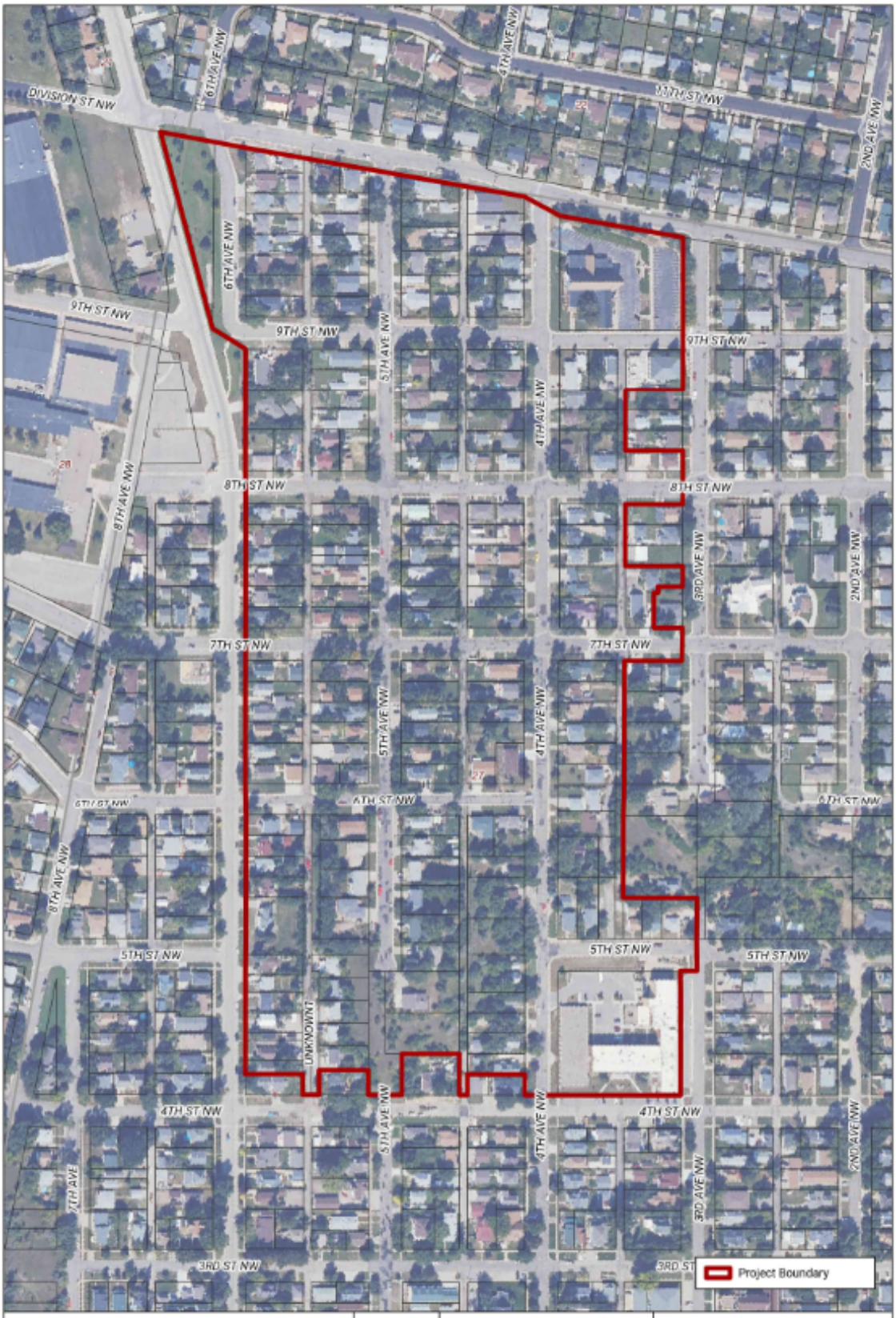

MANDAN PROPER PH 1
MANDAN, NORTH DAKOTA

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RESOLUTION CREATING
STREET IMPROVEMENT DISTRICT NO. 243
Project No. 2026-08

BE IT RESOLVED By the Board of City Commissioners of the City of Mandan, North Dakota, as follows:

1. There is hereby created Street Improvement District No. 243 (the "District") (Project#2026-08) of the City of Mandan for the purpose of making an improvement project of the type specified in Section 40-22-01(2), N.D.C.C., to improve those parts of the municipal street system listed below. The improvement to said streets within this improvement district shall include, but not be limited to 4th St NW, 5th St NW, 6th St NW, 7th St NW, 8th St NW, 9th St NW, Division St, 5th Ave NW, 4th Ave NW, as well as the paved alley ways between, and includes asphalt resurfacing by reconstruction and mill and overlay, chip seal, spot repair of curb and gutter, and related work. The project also includes water main replacement, sanitary sewer rehabilitation, and storm sewer improvements.

2. Consultation with respect thereto having been had with the City Engineer, as to the property to be benefitted by said improvement project and the most practical size, form and location of said District, said District shall include all the lots, tracts and parcels of land laying within the City of Mandan and its additions within the following boundary lines: namely:

Those Additions, and portions of Additions to the City of Mandan, Morton County, North Dakota, described as follows:

Lots 5-12 and vacated 6th Street, Block 78; Lots 1-12 and vacated 5th Street, Block 79; Lots 1-12 and vacated 5th Street, Block 80; Lots 1-12, Block 83; Lots 1-12, Block 84; Lots 7-12 and vacated 6th Street, Block 85; Lot 4, the West 80 feet of the North 15 feet of Lot 5, the West 65 feet of South 35 feet of Lot 5, the West 65 feet of Lot 6, Block 92; Lots 1-12, Block 93; Lots 1-2 and Lots 4-12, Block 94; Lots 1-12, Block 97; Lots 1-12, Block 98; Lots 1-2 and Lots 6-12, Block 99; Lots 1-13, Block 105; Lots 1-15, Block 106; Block A; All within First Northern Pacific Addition

Lots 3A and 3B, Block 94, Replat of Lot 3 of Block 94, First Northern Pacific Addition

Lots 1-10, Block 104, Replat of Block 102, 103 & 104, First Northern Pacific Addition

Lots 1-12, Block 55; Lots 1-5, Lots 9-12 and vacated 5th Avenue and vacated 5th Street; Block 56; Lots 1-4, North 40' Lot 5, Lots 8-12, and vacated 5th Street, Block 57; All within Mandan Proper Addition

3. Pursuant to section 40-22-10 of the North Dakota Century Code, the City Engineer is hereby authorized and directed to prepare a report as to the general nature, purpose and feasibility of the proposed improvement and an estimate of the probable cost of the improvement.

4. This resolution shall be in full force and effect from and after its passage.

_____
President, Board of City Commissioners

ATTEST:

_____
City Administrator

Date of Passage: March 3, 2026

RESOLUTION DECLARING THE NECESSITY OF AN IMPROVEMENT PROJECT IN AND FOR STREET IMPROVEMENT DISTRICT NO. 243 OF THE CITY OF MANDAN TO BE PAID BY THE LEVY OF SPECIAL ASSESSMENTS ON PROPERTY BENEFITTED THEREBY

BE IT RESOLVED By the Board of City Commissioners of the City of Mandan, North Dakota, as follows:

1. It is hereby found, determined and declared that it is necessary for the City of Mandan to construct a street improvement project of the type specified in Subsection 40-22-01(2), North Dakota Century Code, in and for Street Improvement District No. 243 (Project #2026-08) of said City. Said improvement project shall include, but not be limited to the improvements of streets, as well as all other work and materials which are necessary or reasonably incidental to the completion of the project; all in accordance with and as described in the resolution creating said district adopted March 3, 2026; which is on file in the offices of the City Engineer and open for public inspection by anyone interested therein. Most of the proposed construction will take place on streets between 6th Ave NW and 3rd Ave NW, and between 4th St NW and Division St.

2. The cost of said improvement project shall be paid for by special assessments to be levied against the respective lots, tracts and parcels of land within said improvement district benefited by the improvement in amounts proportionate to and not exceeding such benefits and the Board of City Commissioners reserves the right to provide for the payment of a portion of the costs of such improvement from such other funds and may be properly available for such purpose.

3. The City Administrator is authorized and directed to cause this resolution, together with a map of the City showing the improvement district, which is attached hereto, to be published once each week for two (2) consecutive weeks in the official newspaper of the City.

4. The owners of property within said improvement district and liable to be specially assessed for said improvement shall be afforded the opportunity to file written protest with the City Administrator at any time within thirty (30) days after the first publication of this resolution. Written protests must be submitted to the City Administrator no later than 4:30 pm, local time, April 6, 2026. The Board of City

Commissioners shall, at its next meeting after the expiration of said period, April 7, 2026 at 5:30 o'clock p.m., meet at the City Hall, 205 2nd Ave N.W., Mandan, ND, to hear and determine the sufficiency of any of the protests so filed and to take such other and further action with reference to said improvement district as may then be deemed necessary and expedient.

5. This resolution shall be in full force and effect from and after its passage.

Dated this 3rd day of March, 2026.

A public input meeting will be held on March 12th at 6:00 PM at First Lutheran Church (408 9th St NW, Mandan, ND). The meeting will provide additional information regarding the project and the special assessment process.

APPROVED:

Jim Froelich

Mayor

ATTEST:

Jim Neubauer

City Administrator

STATE OF NORTH DAKOTA)

) ss.)

COUNTY OF MCLEAN

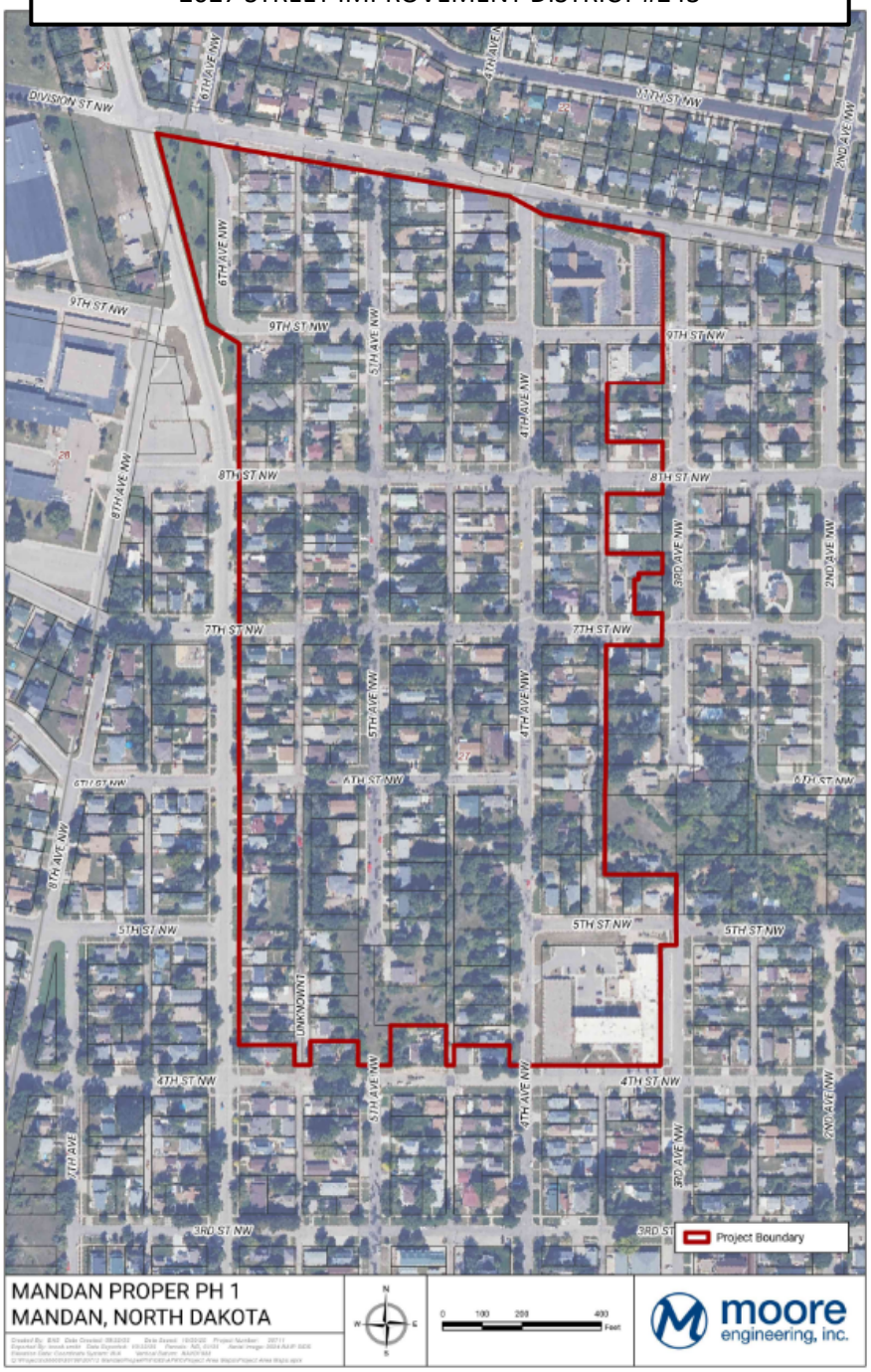
I, Jim Neubauer, the duly appointed, qualified and acting City Administrator of the City of Mandan do hereby certify the foregoing to be a full, true and correct copy of the resolution adopted by the City Commission of the City of Mandan at the meeting of the Commission held on the 3rd day of March, 2026, and that such Resolution is now a part of the permanent records of the City of Mandan, as such records are filed in the office of the City Administrator.

IN WITNESS WHEREOF, I have hereunto set my hand this 3rd day of March 2026.

Jim Neubauer
City Administrator
Mandan, North Dakota

Publication Dates: March 6th, March 13th, 2026

2027 STREET IMPROVEMENT DISTRICT #243



MANDAN PROPER PH 1
MANDAN, NORTH DAKOTA

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