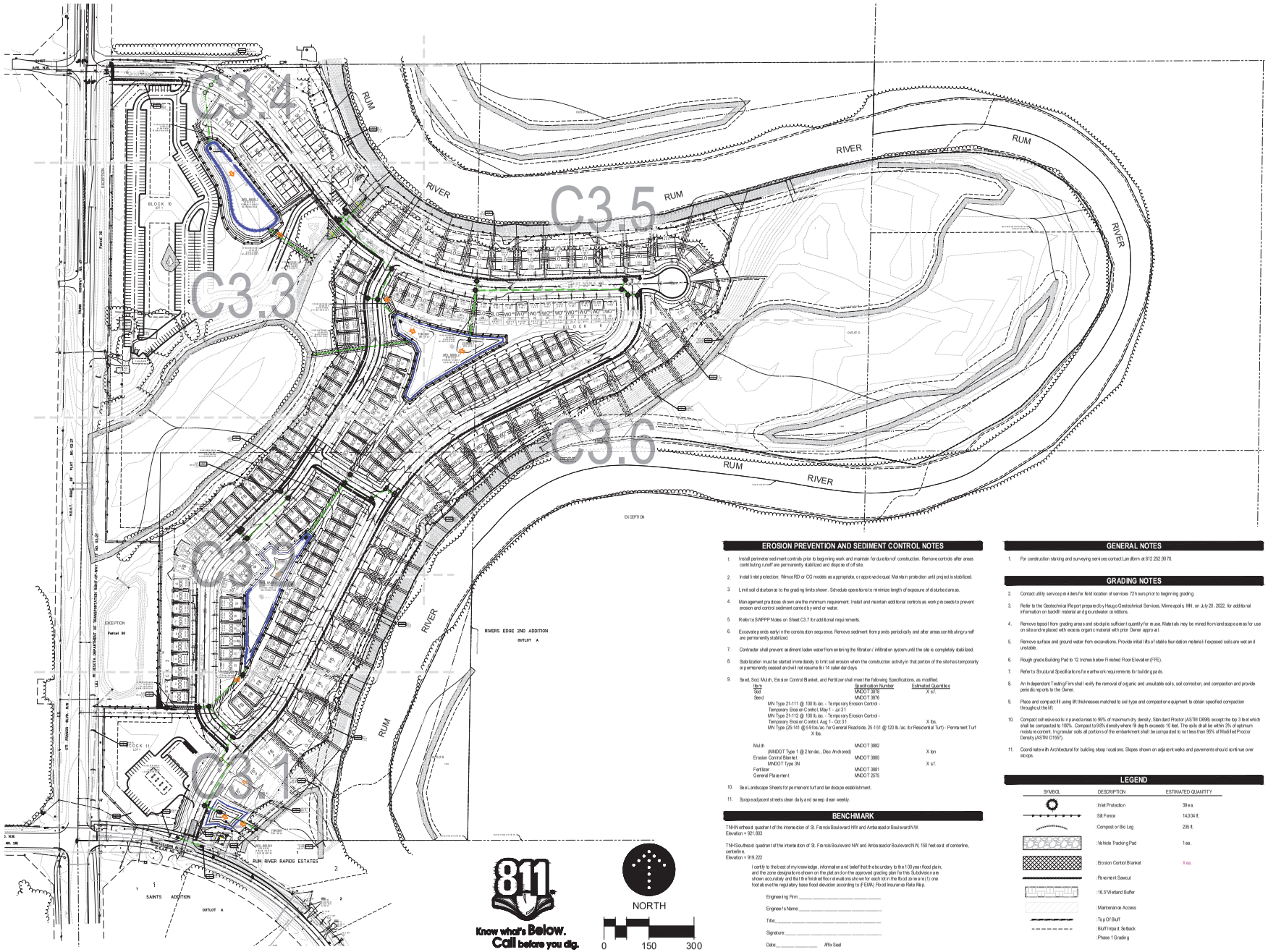

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

1. Install perimeter sediment controls prior to beginning work and maintain for duration of construction. Remove controls after areas contributing runoff are permanently stabilized and dispose of off site.
2. Install inlet protection: Wimco RD or CG models as appropriate, or approved equal. Maintain protection until project is stabilized.
3. Limit soil disturbance to the grading limits shown. Schedule operations to minimize length of exposure of disturbed areas.
4. Management practices shown are the minimum requirement. Install and maintain additional controls as work proceeds to prevent erosion and control sediment carried by wind or water.
5. Refer to SWPPP Notes on Sheet C3.7 for additional requirements.
6. Excavated ponds early in the construction sequence. Remove sediment from ponds periodically and after areas contributing runoff are permanently stabilized.
7. Contractor shall prevent sediment laden water from entering the filtration/ infiltration system until the site is completely stabilized.
8. Stabilization must be started immediately to limit soil erosion when the construction activity in that portion of the site has temporarily or permanently ceased and will not resume for 14 calendar days
9. Seed, Sod, Mulch, Erosion Control Blanket, and Fertilizer shall meet the following Specifications, as modified.

Item	Specification Number	Estimated Quantities
Sod	MNDOT 3878	X s.f.
Seed	MNDOT 3876	
MN Type 21-111 @ 100 lb.ac. - Temporary Erosion Control - Temporary Erosion Control, May 1 - Jul 31		
MN Type 21-112 @ 100 lb.ac. - Temporary Erosion Control - Temporary Erosion Control, Aug 1 - Oct 31		X lbs.
MN Type (25-141 @ 59 lbs./ac. for General Roadside, 25-151 @ 120 lb. /ac. for Residential Turf) - Permanent Turf		X lbs.
Mulch	MNDOT 3882	
(WNDOT Type 1 @ 2 ton ac., Disc Anchored)		X ton
Erosion Control Blanket MNDOT Type 3N	MNDOT 3885	X s.f.
Fertilizer	MNDOT 3881	
General Placement	MNDOT 2575	

10. See Landscape Sheets for permanent turf and landscape establishment.
11. Scrape adjacent streets clean daily and sweep clean weekly.

BENCHMARK

TNH Northeast quadrant of the intersection of St. Francis Boulevard NW and Ambassador Boulevard NW.
Elevation = 921.803

TNH Southeast quadrant of the intersection of St. Francis Boulevard NW and Ambassador Boulevard NW, 150 feet east of centerline, centerline.
Elevation = 919.222

I certify to the best of my knowledge, information and belief that the boundary to the 100 year flood plain, and the zone designations shown on the plat and on the approved grading plan for this Subdivision are shown accurately and that the finished floor elevations shown for each lot in the flood zone are (1) one foot above the regulatory base flood elevation according to (FEMA) Flood Insurance Rate Map.

Engineering Firm: _____

Engineer's Name: _____

Title: _____

Signature: _____

Date: _____ Affix Seal

GENERAL NOTES

1. For construction staking and surveying services contact Landform at 612.252.9070.

GRADING NOTES

2. Contact utility service providers for field location of services 72 hours prior to beginning grading.
3. Refer to the Geotechnical Report prepared by Haugo Geotechnical Services, Minneapolis, MN, on July 20, 2022, for additional information on backfill material and groundwater conditions.
4. Remove topsoil from grading areas and stockpile sufficient quantity for reuse. Materials may be mined from landscape areas for use on site and replaced with excess organic material with prior Owner approval.
5. Remove surface and ground water from excavations. Provide initial lifts of stable foundation material if exposed soils are wet and unstable.
6. Rough grade Building Pad to 12 Inches below Finished Floor Elevation (FFE).
7. Refer to Structural Specifications for earthwork requirements for building pads.
8. An Independent Testing Firm shall verify the removal of organic and unsuitable soils, soil correction, and compaction and provide periodic reports to the Owner.
9. Place and compact fill using lift thicknesses matched to soil type and compaction equipment to obtain specified compaction throughout the lift.
10. Compact cohesive soils in paved areas to 95% of maximum dry density, Standard Proctor (ASTM D698) except the top 3 feet which shall be compacted to 100%. Compact to 98% density where fill depth exceeds 10 feet. The soils shall be within 3% of optimum moisture content. In granular soils all portions of the embankment shall be compacted to not less than 95% of Modified Proctor Density (ASTM D1557).
11. Coordinate with Architectural for building stoop locations. Slopes shown on adjacent walks and pavements should continue over stoops.

LEGEND

SYMBOL	DESCRIPTION	ESTIMATED QUANTITY
	: Inlet Protection	39 ea.
	: Silt Fence	14,004 ft.
	: Compost or Bio Log	235 ft.
	: Vehicle Tracking Pad	1 ea.
	: Erosion Control Blanket	X ea.
	: Pavement Sawcut	
	: 16.5' Wetland Buffer	
	: Maintenance Access	
	: Top Of Bluff	
	: Bluff Impact Setback	
	: Phase 1 Grading	

DEVELOPER/OWNER/CLIENT

MC LAND HOLDINGS, LLC

6150 202ND STREET
FOREST LAKE, MN 55025
TEL: 763-268-9442

MUNICIPALITY/CITY

City of St. Francis

PROJECT

THE BLUFFS OF RUM RIVER

ST. FRANCIS, MINNESOTA

ISSUE / REVISION HISTORY

CONTACT ENGINEER FOR ANY PRIOR HISTORY

DATE	ISSUE / REVISION	REVIEW
03 MAR 2025	IND SDP	ETL
20 JUNE 2025	PRELIMINARY PLAT SUBMITTAL	ETL

CERTIFICATION

I hereby certify that this plan was prepared by me, or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the state of MINNESOTA.

Eric T. Luth, PE
License No: 53403 Date: June 20, 2025

Signature: Eric T. Luth, PE
Landform Professional Services, LLC 105 South Fifth Avenue, Suite 513, Minneapolis, MN 55401

PRELIMINARY NOT FOR CONSTRUCTION

IF THE SIGNATURE, SEAL OR FOUR LINES DIRECTLY ABOVE ARE NOT VISIBLE, THIS SHEET HAS BEEN REPRODUCED BEYOND INTENDED READABILITY AND IS NO LONGER A VALID DOCUMENT. PLEASE CONTACT THE ENGINEER TO REQUEST ADDITIONAL DOCUMENTS.

PRELIMINARY PLAT SUBMITTAL
JUNE 20, 2025

LANDFORM
From Site to Finish

105 South Fifth Avenue
Suite 513
Minneapolis, MN 55401

Tel: 612-252-9070
Fax: 612-252-9077
Web: landform.net

FILE NAME	C300PLM003.DWG
PROJECT NO.	PLM21003

GRADING, DRAINAGE & EROSION CONTROL INDEX & NOTES

C3.0

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