

# NORTHWESTERN UNIVERSITY RYAN FIELD REDEVELOPMENT PLANNED DEVELOPMENT APPLICATION

06.23.2023

**HNTB**

+

**Perkins&Will**

+

**site** landscape  
architecture  
urban design

+

**SMITHGROUP**

PAGES

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DP-02	SITE PLAN
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**GENERAL NOTE:** ALL DRAWINGS ARE DEVELOPED TO A SCHEMATIC LEVEL FOR REVIEW ONLY. NOT FOR CONSTRUCTION.

## Planned Development Updates - May 1st to June 23rd

Drawing Number	Update
TOC	LP-38 added
DP-01	No Change
DP-02	Plaza designs updated
DP-03	Plaza designs updated
DP-04	No Change
DP-05	No Change
DP-06	No Change
DP-07	Glass Frit Pattern examples added
DP-08	Plaza designs updated
DP-09	Glass nomenclature updated to match material palette sheet
DP-10	Glass nomenclature updated to match material palette sheet
DP-11	No Change
DP-12	CoE street lamps added
DP-13	CoE street lamps added
DP-14	CoE street lamps added
DP-15	CoE street lamps added
DP-16	CoE street lamps added
DP-17	CoE street lamps added
DP-18	No Change
DP-19	No Change
DP-20	No Change
DP-21	No Change
DP-22	No Change
DP-23	No Change
DP-24	No Change
DP-25	No Change
DP-26	No Change
DP-27	No Change
DP-28	No Change
DP-29	CoE street lamps added
DP-30	No Change
DP-31	CoE street lamps added
DP-32	No Change
DP-33	No Change
DP-34	No Change
DP-35	No Change
DP-36	No Change
DP-37	No Change
DP-38	No Change
DP-39	No Change
DP-40	No Change
DP-41	No Change
DP-42	No Change
DP-43	No Change
DP-44	No Change
DP-45	No Change
DP-46	Plaza designs updated
DP-47	No Change
DP-48	No Change
DP-49	No Change
DP-50	No Change
DP-51	No Change

Drawing Number	Update
DP-52	No Change
DP-53	No Change
DP-54	No Change
DP-55	No Change
DP-56	No Change
DP-57	No Change
DP-58	Truck layout simplified in 3 diagrams(DP-58-A, B, C); accessible parking identified
DP-59	Plaza designs updated
DP-60	Plaza designs updated
DP-61	Plaza designs updated
DP-62	Plaza designs updated
DP-63	Plaza designs updated
DP-64	No Change
LP-01	"Pedestrian Path" added to T.O.C.
LP-02	Plaza designs updated
LP-03	Plaza designs updated
LP-04	No Change
LP-05	No Change
LP-06	Plaza designs updated/Bus Stop called out
LP-07	Plaza designs updated
LP-08	Plaza designs updated
LP-09	No Change
LP-10	Plaza designs updated
LP-11	Plaza designs updated
LP-12	No Change
LP-13	No Change
LP-14	Plaza designs updated
LP-15	Plaza designs updated
LP-16	Plaza designs updated
LP-17	No Change
LP-18	No Change
LP-19	No Change
LP-20	No Change
LP-21	No Change
LP-22	No Change
LP-23	No Change
LP-24	No Change
LP-25	No Change
LP-26	No Change
LP-27	No Change
LP-28	Plaza designs updated/Pedestrian access called out
LP-29	No Change
LP-30	Pedestrian access called out
LP-31	Plaza designs updated/Pedestrian access called out
LP-32	Plaza designs updated
LP-33	Plaza designs updated
LP-34	Plaza designs updated/CoE light poles updated
LP-35	No Change
LP-36	No Change
LP-37	No Change
LP-38	New Sheet: Pedestrian Path from North Lot



## **DEVELOPMENT PLAN**

**SITE PLAN**

**SECTIONS**

**ELEVATIONS**

**MATERIAL PALETTE**

**BIRD FRIENDLY BUILDING DESIGN**

**RENDERINGS**

**PHOTOGRAPHS OF SURROUNDING AREA**

**SITE SIGNAGE**

**SITE STRUCTURES**

**AREA PLANS**

**LOADING DOCK PLANS**

**EMERGENCY VEHICLE ACCESS**

**TRAFFIC CIRCULATION DIAGRAMS**

**UTILITY PLANS**

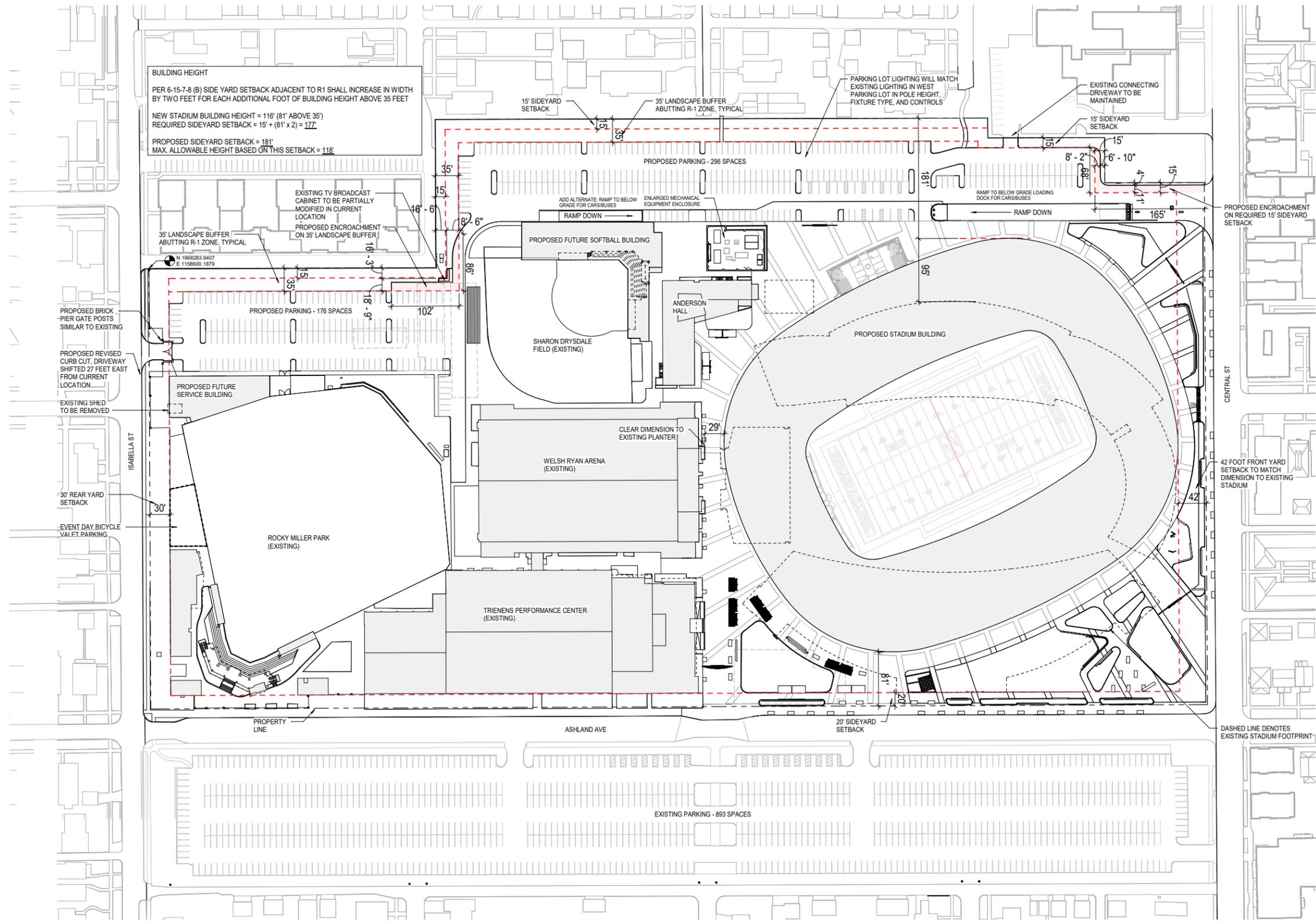
**DRAINAGE PLAN**

**TOPOGRAPHY PLAN**

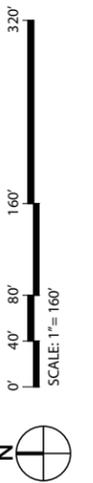
**SOIL & SUBSURFACE CONDITIONS**

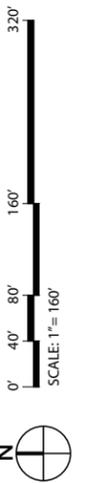
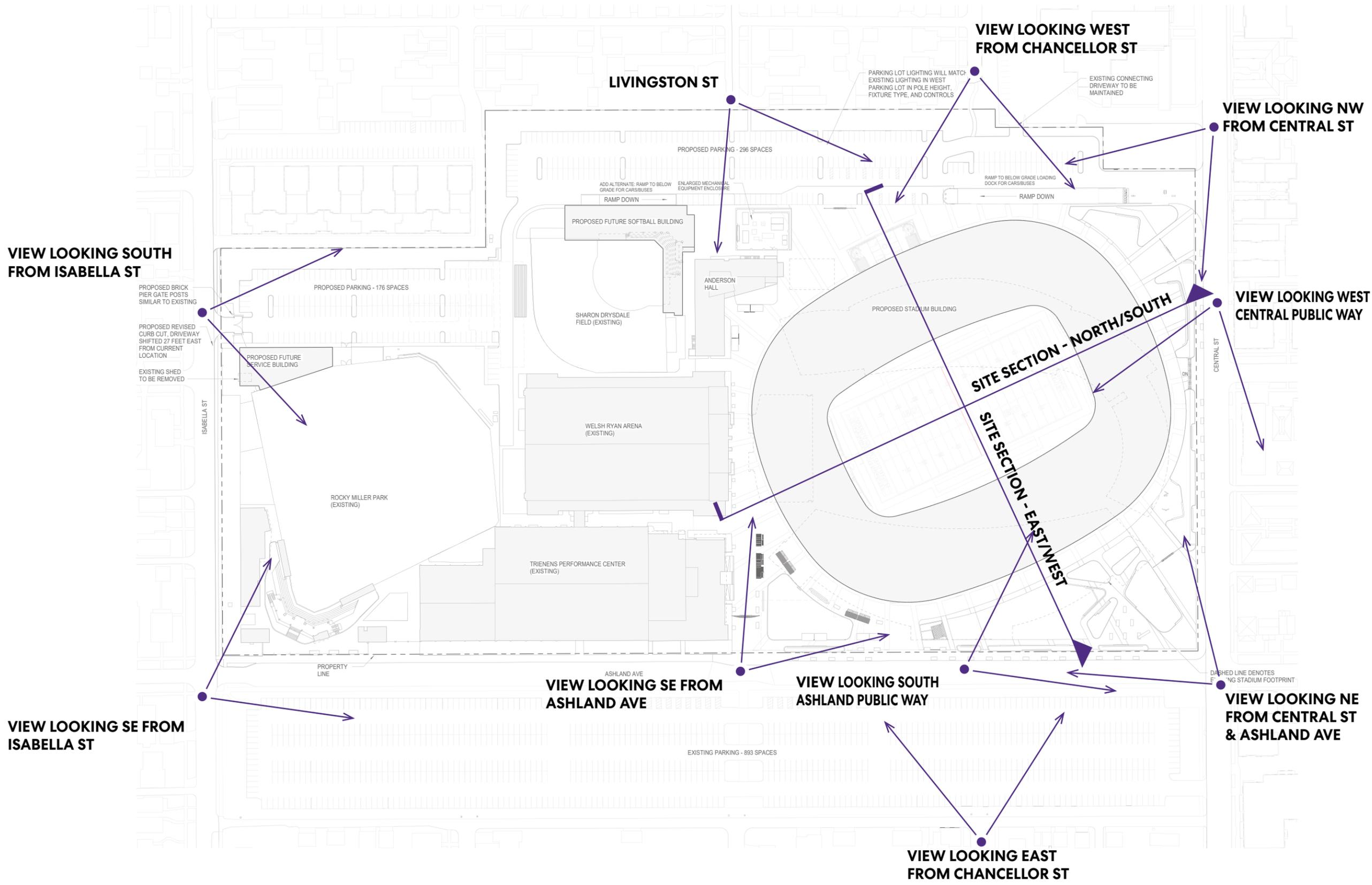


**NORTHWESTERN UNIVERSITY  
RYAN FIELD REDEVELOPMENT  
PLANNED DEVELOPMENT APPLICATION**



**SITE PLAN**





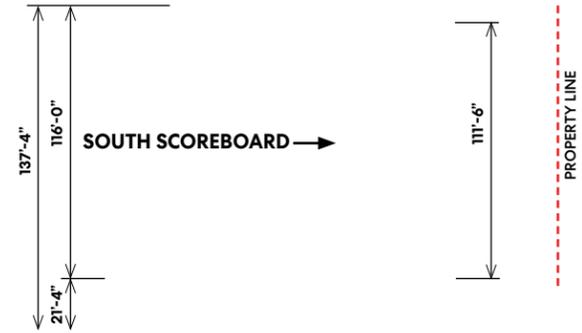
**BUILDING HEIGHT**  
 PER 6-15-7-8 (B) SIDE YARD SETBACK ADJACENT TO R1 SHALL INCREASE IN WIDTH BY TWO FEET FOR EACH ADDITIONAL FOOT OF BUILDING HEIGHT ABOVE 35 FEET  
 NEW STADIUM BUILDING HEIGHT = 116' (81' ABOVE 35')  
 REQUIRED SIDEYARD SETBACK = 15' + (81' x 2) = 177'  
 PROPOSED SIDEYARD SETBACK = 181'  
 MAX. ALLOWABLE HEIGHT BASED ON THIS SETBACK = 118'

← NORTH SCOREBOARD

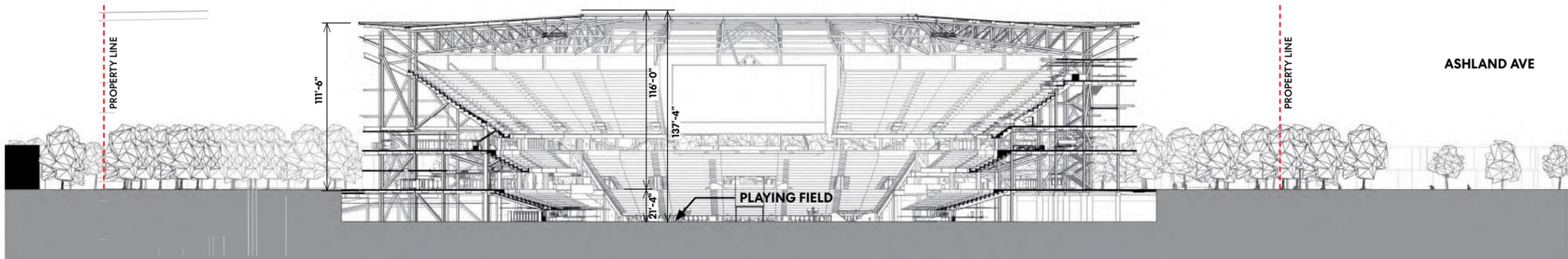
→ SOUTH SCOREBOARD

↙ PLAYING FIELD

CENTRAL STREET



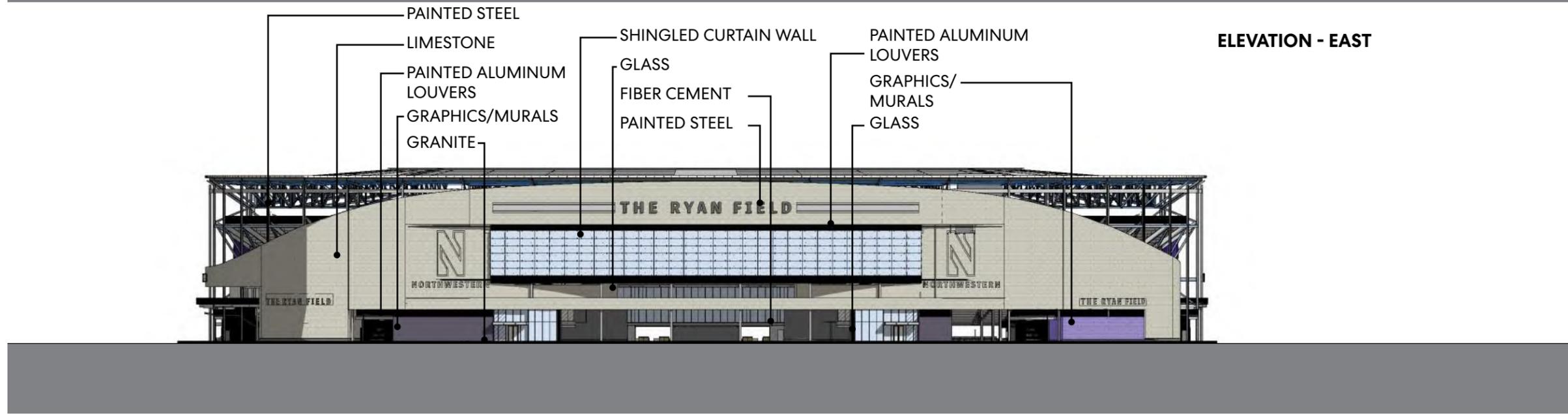
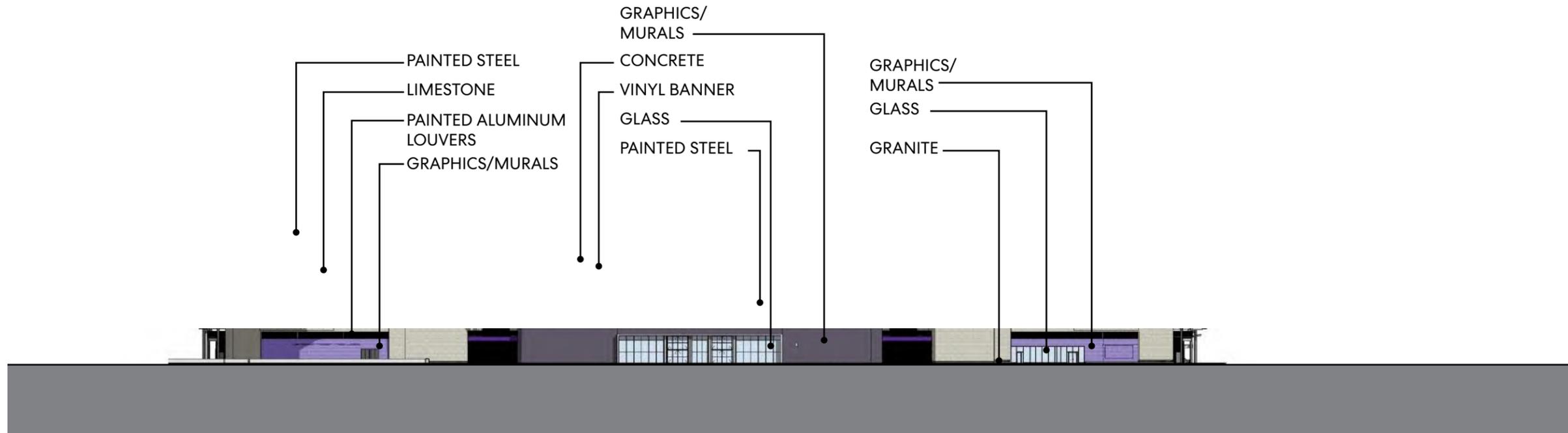
**SITE SECTION - NORTH/SOUTH**



ASHLAND AVE

**SITE SECTION - EAST/WEST**

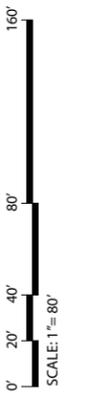


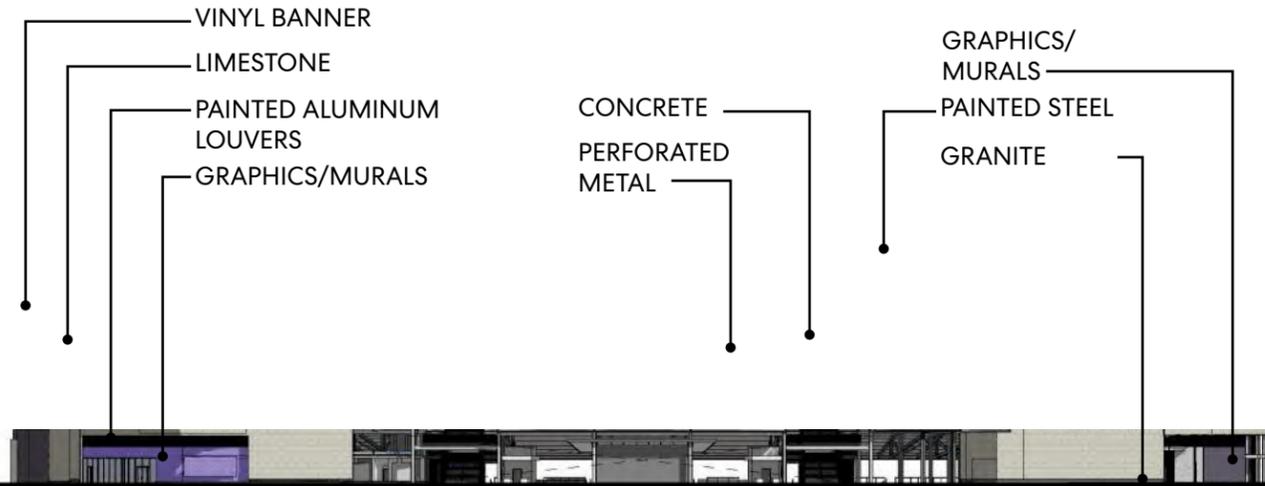


**ELEVATION - EAST**

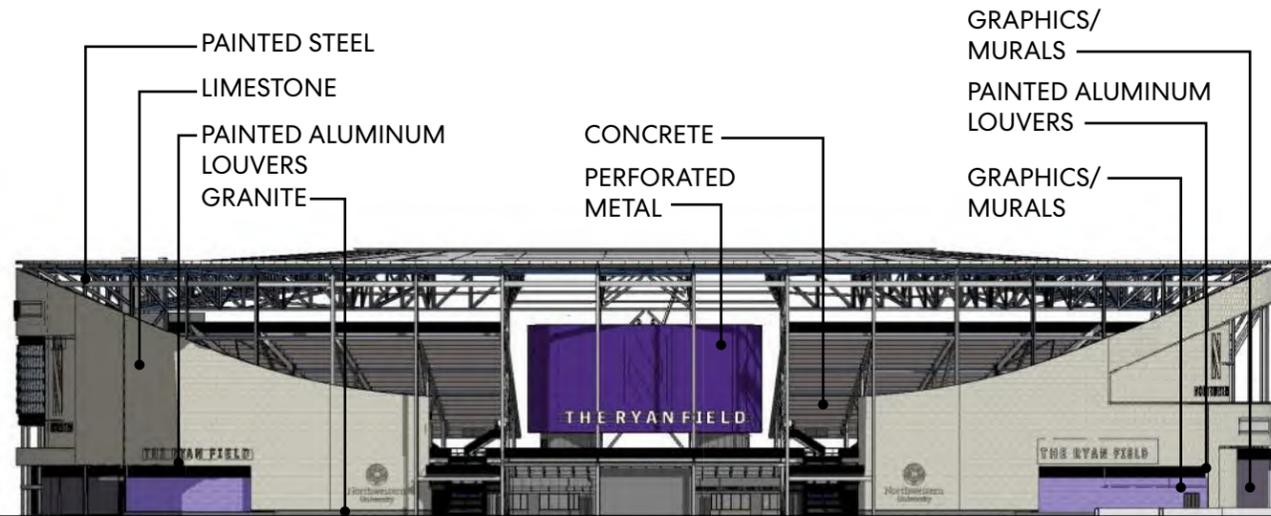
**ELEVATION - WEST**

**ELEVATIONS - EAST & WEST**





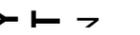
ELEVATION - NORTH



ELEVATION - SOUTH

ELEVATIONS - NORTH & SOUTH





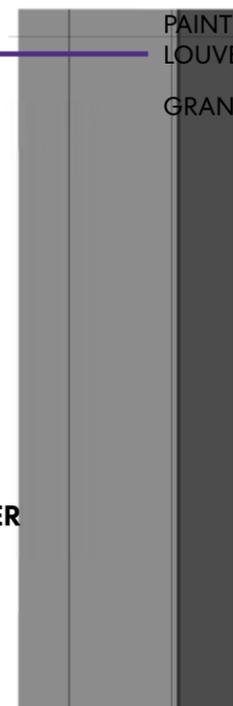
**RYAN FIELDHOUSE/WALTER ATHLETICS CENTER  
SOUTH FACADE**  
Northwestern University - Evanston, IL

- — PAINTED METAL
- — LIMESTONE
- — GLASS



**RYAN FIELDHOUSE/WALTER ATHLETICS CENTER  
NORTH FACADE**  
Northwestern University - Evanston, IL

- — GLASS
- — PAINTED ALUMINUM LOUVERS
- — GRANITE



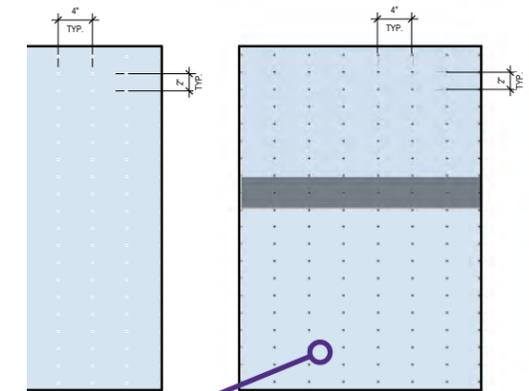
- — PERFORATED METAL
- — CONCRETE
- — GRAPHICS/MURALS
- — VINYL BANNER



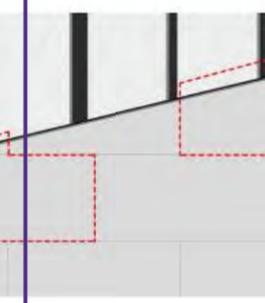
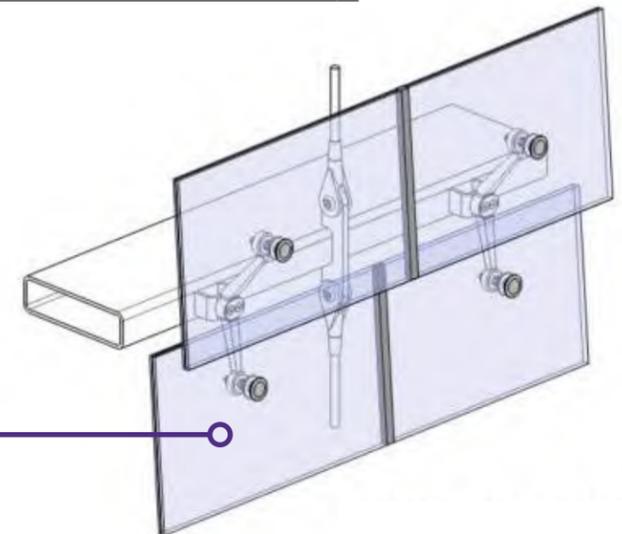
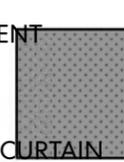
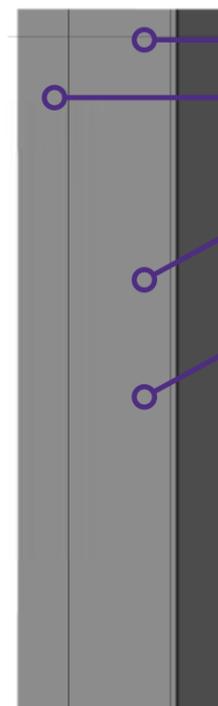
**GLASS-1: INSULATED  
LOW-IRON VISION GLASS  
W/ FRIT PATTERN AND  
LOW-E COATING ON #2**

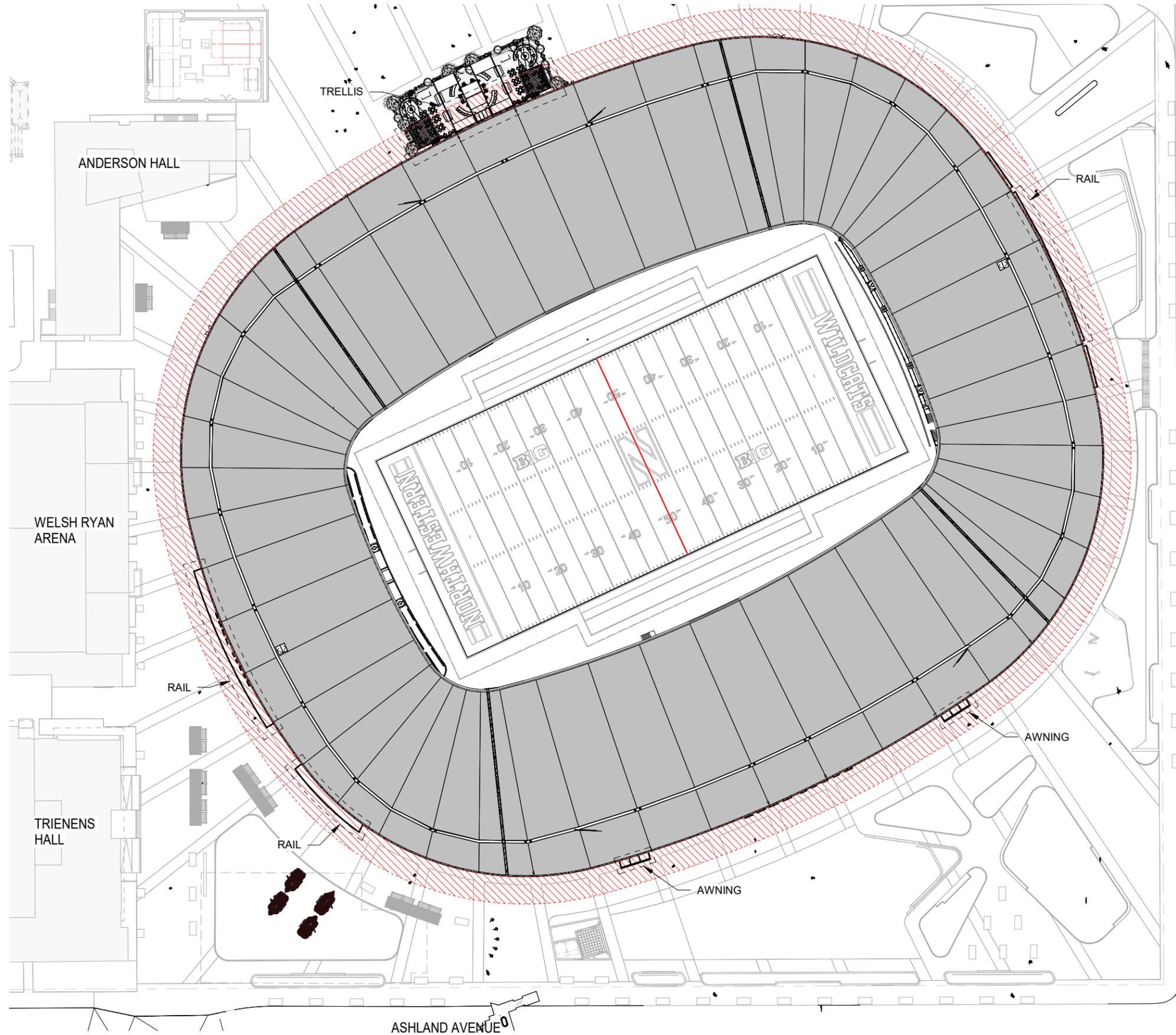
**GLASS-1B: INSULATED  
LOW-IRON VISION GLASS  
AND LOW-E COATING  
ON #2; NO FRIT PATTERN**

**GLASS-2: LAMINATED  
LOW-IRON VISION GLASS  
W/ FRIT PATTERN AND  
LOW-E COATING ON #2**



- — PAINTED STEEL - IRON MOUNTAIN
- — GRANITE
- — BURNISHED BLOCK
- — TPO ROOFING
- — FIBER CEMENT
- — SHINGLED CURTAIN WALL





**LEGEND**

-  20' ZONE FROM FACADE
-  BUILDING ELEMENTS PROTRUDING INTO 20' ZONE

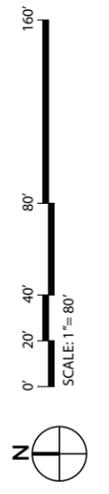


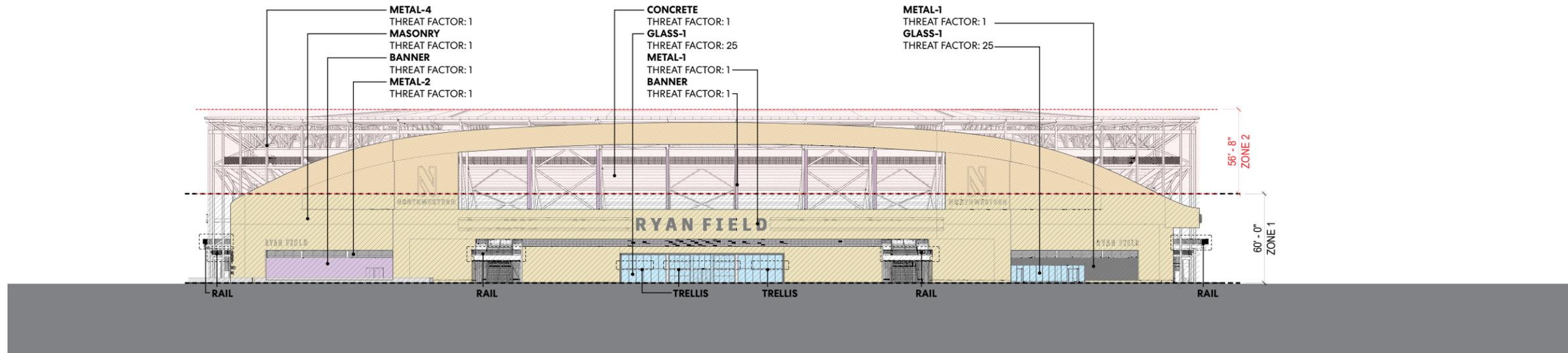
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**BIRD FRIENDLY BUILDING DESIGN - SITE PLAN**

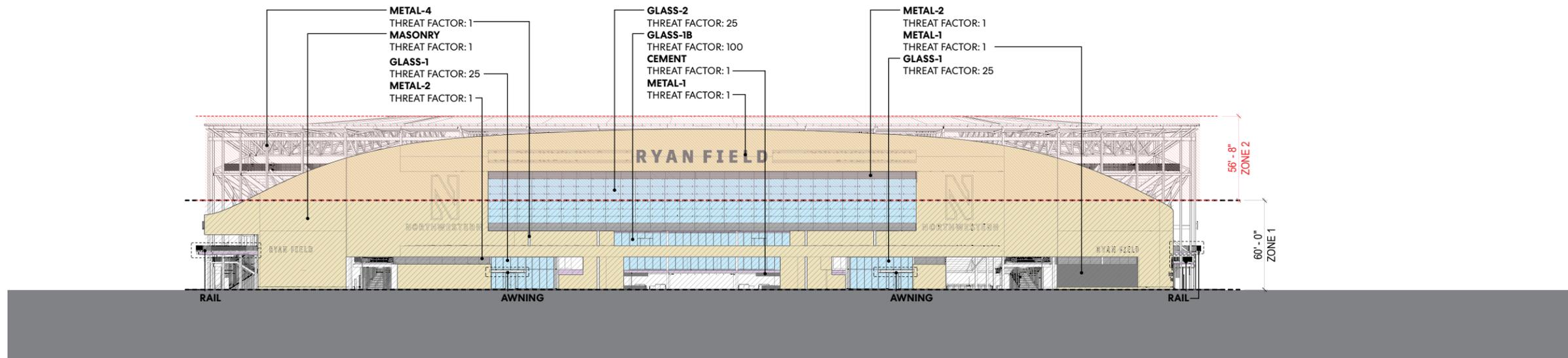
**HNTB**  
 Perkins & Will  
 JUNE 23, 2023

DP-08



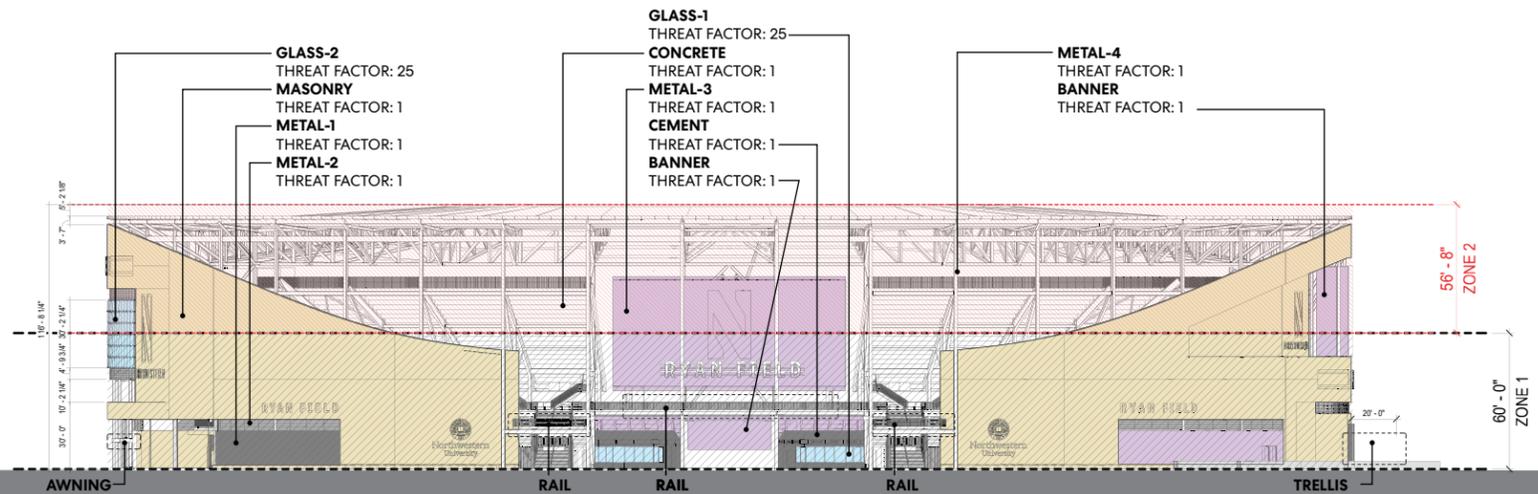


ELEVATION - EAST

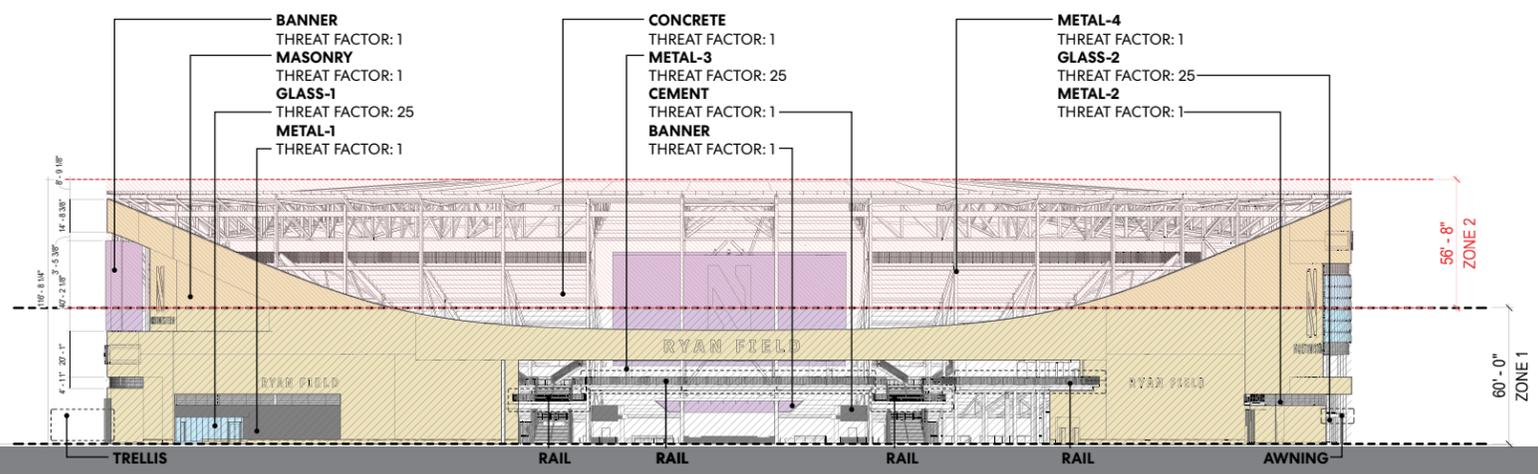


ELEVATION - WEST

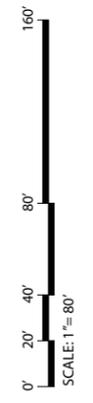




ELEVATION - NORTH



ELEVATION - SOUTH



BCTR: HIGH RISK FEATURES			
FEATURE LABEL	FEATURE LOCATION	FEATURE MATERIAL TYPE	MTF (Material Threat Factor)
AWNING	West Entry Awnings	Steel, painted, ASTM-4 Finish	1
RAIL	Balcony Railings	Steel, painted, ASTM-4 Finish	1
TRELLIS	Trellis Canopy Structure at East	Wood Finish, non-polished	1

BCTR: ZONE 2 MEDIUM RISK				
ZONE 2 LABEL	ZONE 2 MATERIAL TYPE	ZONE 2 MTF (Material Threat Factor)	ZONE 2 FACADE AREA (SF)	ZONE 2 FACADE FACTOR (MTF x area)
MASONRY	Limestone, Granite and painted CMU	1	29650	29650
GL-2	Shingled Curtain Wall with 1/4" dot pattern frit	25	4142	103550
GL-1	Balanced Insulated Low-Iron, Low E-Vision Glass, 1/4" dot pattern frit	25	0	0
GL-1B	Balanced Insulated Low-Iron, Low E-Vision Glass, no pattern	100	0	0
SIGNAGE	Painted Steel, ASTM-4 finish	1	280	280
MTL-1	Painted Aluminum, ASTM-4 finish	1	0	0
LVR-1	Painted Aluminum Louvers, ASTM-2D finish	1	1483	1483
MTL-2	Perforated Metal, ASTM-4 finish	1	5100	5100
STRUCTURE	Structural Steel, painted, ASTM-4 finish	1	6366	6366
BANNER	Vinyl Graphic Installation	1	843	843
CONCRETE	Seating bowl masonry, concrete	1	15650	15650
CEMENT	Fiber Cemenet Panels	1	0	0
		TOTAL FACADE AREA (FA) ZONE 2	63514	162922
		BCTR ZONE 2	TOTAL FACADE FACTOR/ TOTAL FACADE AREA	2.57
				ZONE 2 BCTR MUST BE <30 BFBD COMPLIANT

BCTR: ZONE 1 HIGH RISK				
ZONE 1 LABEL	ZONE 1 MATERIAL TYPE	ZONE 1 MTF (Material Threat Factor)	ZONE 1 FACADE AREA (SF)	ZONE 1 FACADE FACTOR (MTF x area)
MASONRY	Limestone, Granite and painted CMU	1	48330	48330
GL-2	Shingled Curtain Wall with 1/4" dot pattern frit	25	4360	109000
GL-1	Balanced Insulated Low-Iron, Low E-Vision Glass, 1/4" dot pattern frit	25	4357	108925
GL-1B	Balanced Insulated Low-Iron, Low E-Vision Glass, no pattern	100	2356	235600
SIGNAGE	Painted Steel, ASTM-4 finish	1	280	280
MTL-1	Painted Aluminum, ASTM-4 finish	1	1898	1898
LVR-1	Painted Aluminum Louvers, ASTM-2D finish	1	4120	4120
MTL-2	Perforated Metal, ASTM-4 finish	1	3882	3882
STRUCTURE	Structural Steel, painted, ASTM-4 finish	1	3373	3373
BANNER	Vinyl Graphic Installation	1	3716	3716
CONCRETE	Seating bowl masonry, concrete	1	6790	6790
CEMENT	Fiber Cement Panels	1	2216	2216
		TOTAL FACADE AREA (FA) ZONE 1	85678	528130
		BCTR ZONE 1	TOTAL FACADE FACTOR/ TOTAL FACADE AREA	6.17
				ZONE 1 BCTR MUST BE <15 BFBD COMPLIANT

