PROJECT AND BID LOCATION

HOFFMAN ESTATES, IL 60169

1685 W. HIGGINS ROAD

HOFFMAN ESTATES PARK DISTRICT



APPROVED

G-001



## ICE RINK REPLACEMENT 2019 CONSTRUCTION DRAWINGS

Sheet Number	Sheet Title
G-001	TITLE SHEET AND INDEX
R-101	ICE RINK DEMOLITION PLAN
R-102	OPTIONAL SUB-SLAB REPAIRS
R-103	ENLARGED TRANSMISSION MAIN DEMOLITION PLAN
R-104	SUBSOIL HEATING PLAN
R-105	ICE RINK FLOOR PLAN
R-106	ENLARGED PIPING PLAN
R-501	ICE RINK DETAILS
R-502	ICE RINK DETAILS
R-503	ICE RINK DETAILS
R-504	OPTIONAL SUB-SLAB REPLACEMENT DETAILS
R-505	EXISTING RINK DRAWINGS - 2004
R-506	EXISTING RINK DRAWINGS - 2004

BOARD OF COMMISSIONERS

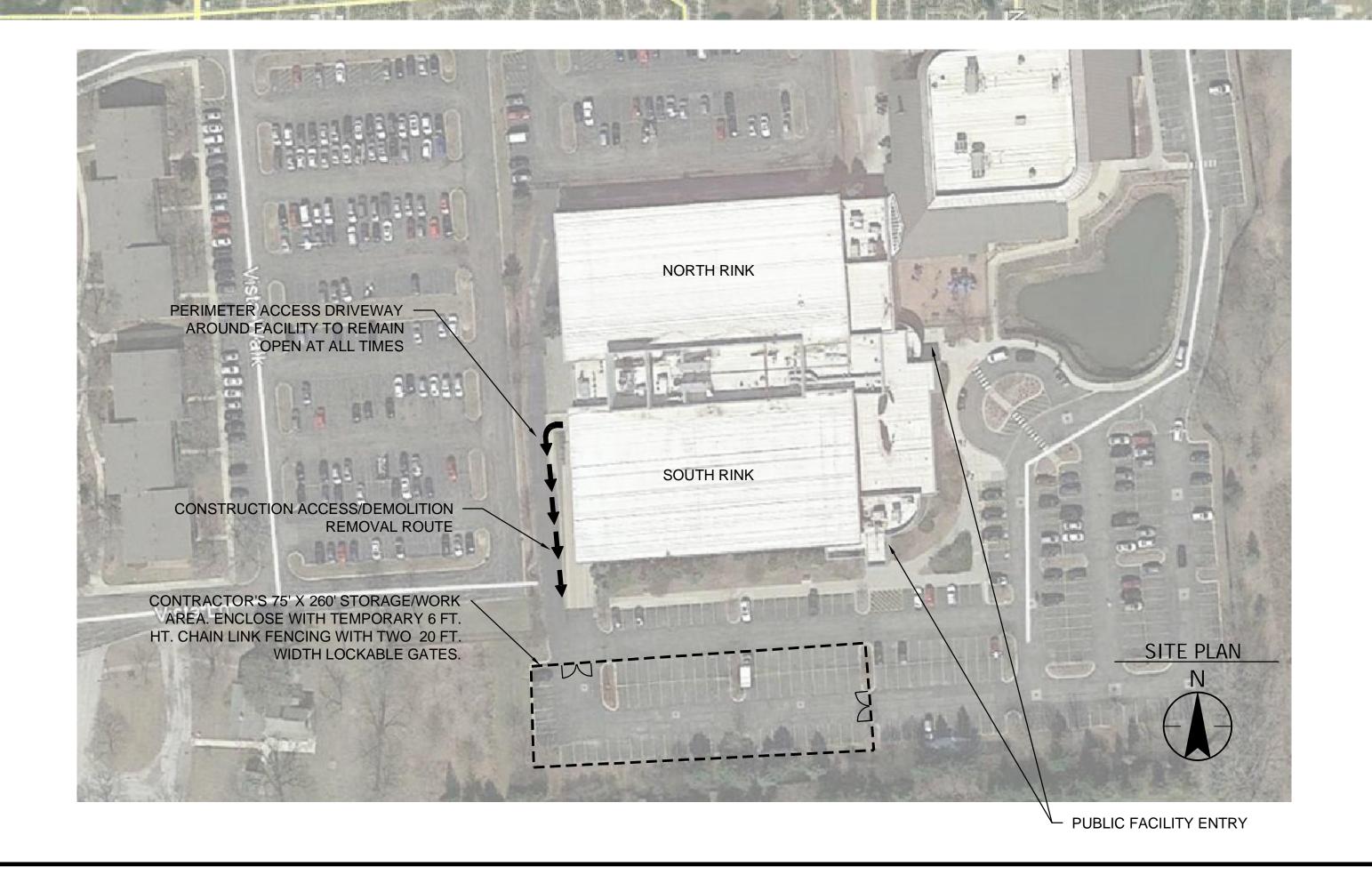
REGISTERED PROFESSIONAL **ENGINEER** 

ROBERT KAPLAN, PRESIDENT LILI KILBRIDGE, VICE PRESIDENT KEITH EVANS, TREASURER RON EVANS, ASST. SECRETARY PAT MCGINN, COMMISSIONER PATRICK KINNANE, COMMISSIONER RAJKUMARI CHHATWANI, COMMISSIONER CRAIG TALSMA, EXECUTIVE DIRECTOR, BOARD SECRETARY

James R. Maland

My license renewal date is November 30, 2021.

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly registered Professional Engineer under the laws of the State of Illinois

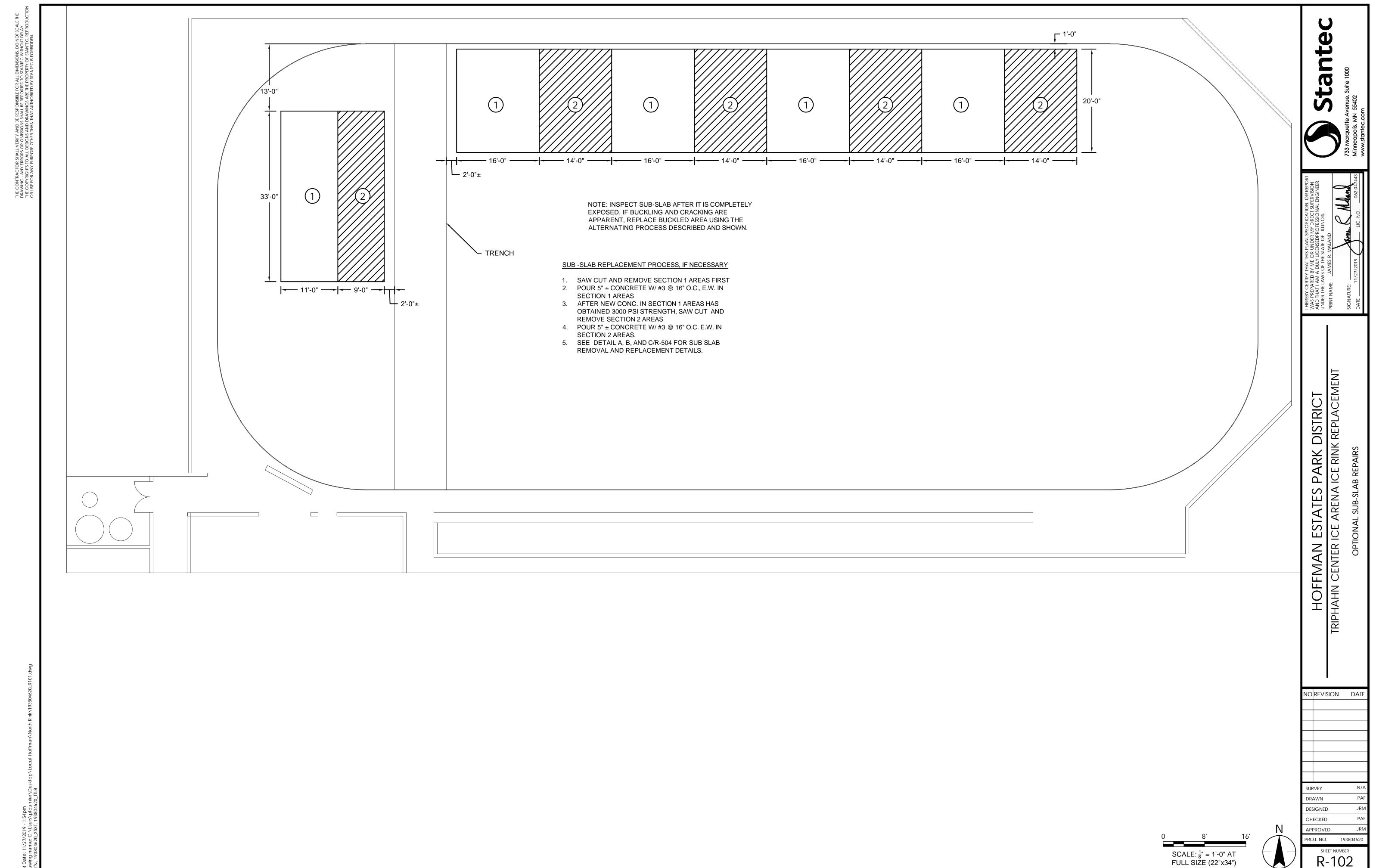


Hoffman-Estates

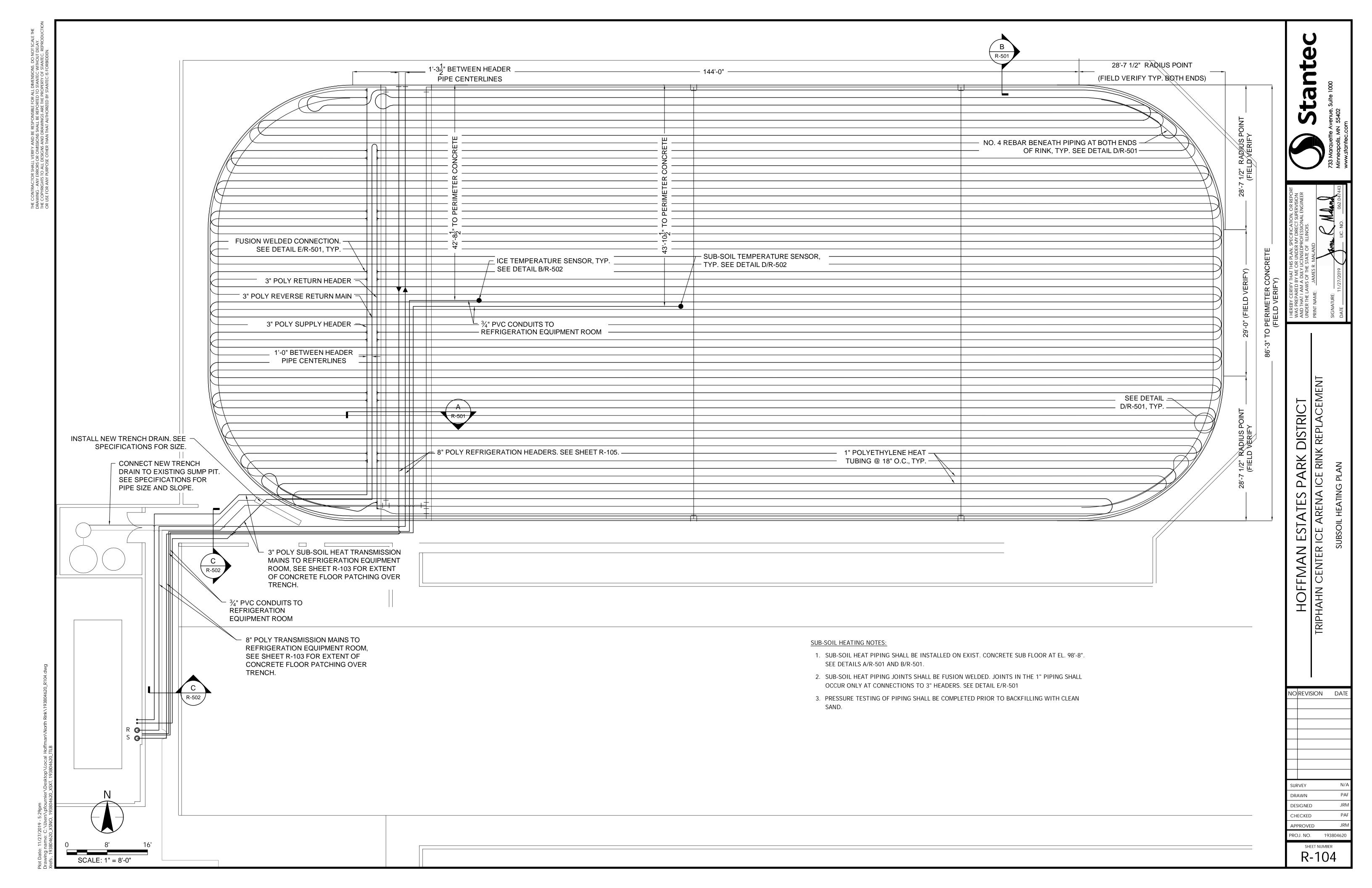
ahn Center Ice Arena

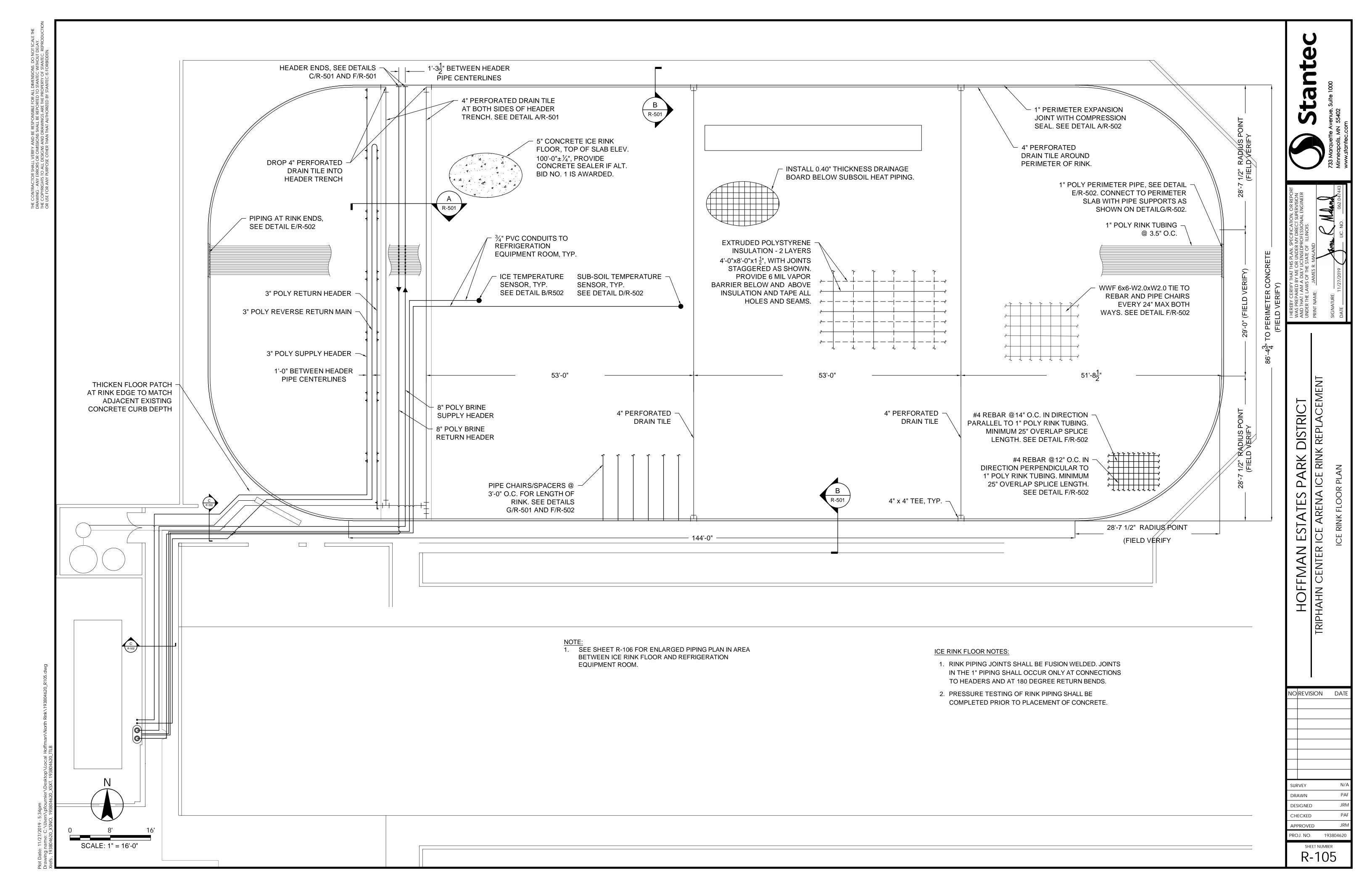
SALVAGE 2'-5" PLAYER GATE, TYP. OF 6. FLOORING IN ALL BOXES SALVAGE ALL ELECTRICAL AND SALVAGE PLAYER SALVAGE SCOREBOARD WIRING, BOXES, AND BENCH, TYP. OF 2. PEDESTRIAN CONNECTIONS AT SCORER'S BOX TRENCH GATE, TYP. OF 6. REMOVE 1" WIDTH CAULKED **EXPANSION JOINT AROUND RINK** SALVAGE SCORER'S -, SALVAGE PLAYER PERIMETER BENCH AREA, TYP. OF 2 - SALVAGE PENALTY BENCH, TYP. OF 2 HANGING FROM ROOF JOISTS, TYP. BANNERS TO BE STORED BY OWNER DURING CONSTRUCTION. RE-HANG BANNERS IN SAME LOCATION AFTER CONSTRUCTION IS COMPLETE INCLUDING BOXES, GATES, SHIELDING, NETTING, AND ' ACCESSORIES STORE AND RE-INSTALL UNDER THE BASE BID. ANY ITEMS REMAINING IN RINK AREA SHALL BE COVERED AND PROTECTED FOR REUSE. - SALVAGE / EQUIPMENT GATE REMOVE EXISTING MAIN RINK FLOOR -~16,650 SF SEE DRAWINGS R-505 AND R-506 FOR PEDESTRIAN GATE DISTRIC EXISTING FLOOR DETAILS SEE A/R-103 FOR ENLARGED TRANSMISSION MAIN DEMOLITION PLAN. ARK SALVAGE DOUBLE LEAF PEDESTRIAN GATE STAT REMOVE AND SALVAGE EXISTING ALUMINUM BLEACHER WALKWAY AND STAIRS AS NECESSARY HOFFMAN TO COMPLETE RINK FLOOR REPLACEMENT WORK GAP SHOWN BETWEEN NORTH AND SOUTH RINK IS APPROXIMATELY 15.5' LONG. **DEMOLITION NOTES:** <u>LEGEND</u> 1. CONTRACTOR SHALL REMOVE, SALVAGE, AND STORE BRINE AND OTHER FLUIDS FROM PIPING SYSTEMS. REMOVE CONCRETE 2. COVER ALL OPENINGS AND VENTILATION DUCTS, AND WITH FILTER FABRIC PRIOR TO START OF RINK DEMOLITION WORK. FLOOR SLAB 3. CONTRACTOR SHALL PROVIDE ADEQUATE VENTILATION IN CONFORMANCE WITH O.S.H.A. WORKER PROTECTION STANDARDS THROUGHOUT DEMOLITION AND CONSTRUCTION PHASES. PROVIDE TEMPORARY FANS TO SUPPLEMENT PERMANENT SYSTEMS AS NECESSARY. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. CONCRETE FLOOR SLAB PREVIOUSLY REMOVED 4. COVER ALL SPEAKERS AND SCOREBOARD PRIOR TO START OF DEMOLITION WORK. EXISTING CONCRETE 5. CONTRACTOR SHALL MEASURE AND DOCUMENT WIDTH AND LENGTH OF EXISTING RINK AS WELL AS DASHER BOARD ANCHOR LOCATIONS PRIOR TO DEMOLITION. RINK MEASUREMENTS SHALL BE PERFORMED AT 20 FLOOR SLAB TO REMAIN FT. SPACING, AND A COPY OF THE MEASUREMENTS SHALL BE SENT TO THE ENGINEER. no|revision date 6. CONCRETE RINK FLOOR SHALL BE WET-SAWED INTO MANAGEABLE SECTIONS PRIOR TO REMOVAL. DRY CUT SAWS, PAVEMENT BREAKERS, OR PNEUMATIC TOOLS SHALL NOT BE USED. PREVENT DIRT AND DUST FROM CONTRACTOR REMOVAL ROUTE/ RISING BY WETTING DEMOLISHED CONCRETE AND SIMILAR DEBRIS. **CONSTRUCTION ACCESS** 7. THE EXISTING SUB-SLAB BELOW THE RINK SHALL BE LOCATED AND PROTECTED FROM DAMAGE BY THE DEMOLITION OPERATIONS. **----** SAWCUT CONCRETE 8. ALL DEMOLISHED MATERIALS FROM THE ARENA SHALL BE REMOVED THROUGH THE REMOVAL ROUTE SHOWN. THE CONTRACTOR SHALL NOT USE PUBLIC ENTRANCE THROUGH THE LOBBY FOR REMOVAL ROUTE. 9. FROST SHALL BE REMOVED FROM THE SOIL BENEATH THE RINK FLOOR AS DESCRIBED IN SPECIFICATION SECTION 131802. EXISTING DASHER BOARDS, CONCRETE RINK FLOOR AND SUBSLAB INSULATION SHALL BE REMOVED PRIOR TO START OF FROST REMOVAL. SUBSOIL HEAT PIPING SHALL BE REMOVED AFTER FROST IS REMOVED. 10. DASHER BOARDS AND ACCESSORIES SHALL BE CAREFULLY MEASURED AND LABELED PRIOR TO REMOVAL. DASHER BOARDS AND ACCESSORIES SHALL BE CAREFULLY REMOVED AND STORED AS DESCRIBED IN THE SPECIFICATIONS. 11. CONTRACTOR SHALL CLEAN DUST, DIRT, AND DEBRIS FROM ALL SURFACES UPON COMPLETION OF CONSTRUCTION, INCLUDING FLOORS, WALLS, CEILING STRUCTURE, DOORS, WINDOWS, AND BLEACHERS. DESIGNED APPROVED ROJ. NO. 19380462 SHEET NUMBER SCALE:  $\frac{1}{8}$ " = 1'-0" AT

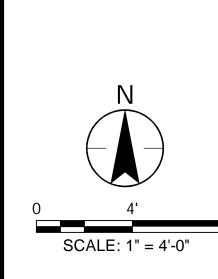
FULL SIZE (22"x34")



R-102







NEER STANDARD STAND TEEN THE Avenue, Suite 1000 Minneapolis, MN 55402 www.stantec.com

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPC WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSEDPROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS.
PRINT NAME: JAMES R. MALAND
SIGNATURE:

DATE 11/27/2019 LIC. NO. 062.047

HOFFMAN ESTATES PARK DISTRICT PHAHN CENTER ICE ARENA ICE RINK REPLACEMENT

NO REVISION DATE

RVEY N/A AWN PAF

DESIGNED JI
CHECKED P
APPROVED JI

PROJ. NO. 193804620

SHEET NUMBER

R-106

