

**Case File No. 18-0056**  
**National Sports Center Dome**

Blaine Planning Department / 10801 Town Square Dr NE / Blaine, MN 55449 / (763) 785-6180







SPORTS DOME BIRDS EYE



PERFORMANCE  
DRIVEN DESIGN.

NATIONAL SPORTS CENTER  
SEASONAL SPORTS DOME

07/11/2018

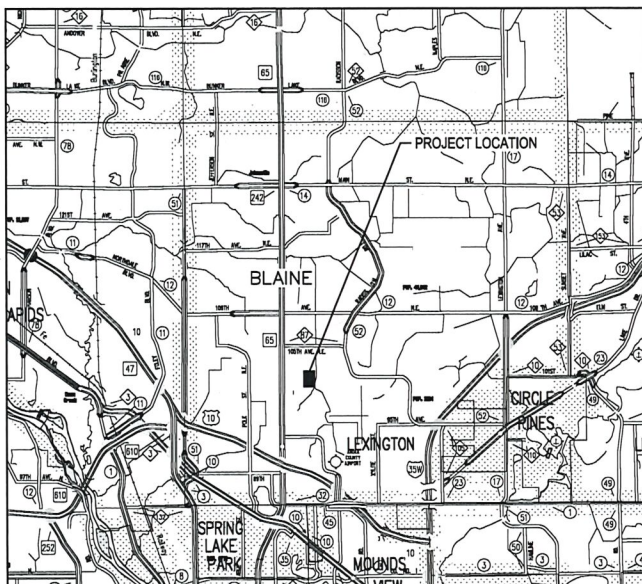


# NSC SEASONAL SPORTS DOME

## SHEET INDEX

G001	TITLE SHEET
V0.01	POST CONSTRUCTION AS-BUILT
C101	REMOVALS AND EROSION CONTROL PLAN
C201	SITE PLAN
C301	GRADING AND UTILITY PLAN
C501	STANDARD DETAILS
AS-1	MULTISPORT DOME PLAN VIEW (FOR REFERENCE ONLY)
AS-2	MULTISPORT DOME ELEVATIONS AND GENERAL NOTES (FOR REFERENCE ONLY)

## INDEX MAP



## CONTACTS

### CIVIL ENGINEER

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(612) 752-6931

### OWNER

NATIONAL SPORTS CENTER  
NEIL LADD  
1700 105TH AVE. NE  
BLAINE, MN 55449  
nladd@nscsports.org  
(763) 785-5872

### LANDSCAPE ARCHITECT/ PROJECT MANAGER

LHB, INC.  
LYDIA MAJOR  
701 WASHINGTON AVE., SUITE 200  
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(612) 752-6956

## GENERAL CONSTRUCTION NOTES

- CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING PAVEMENTS DESIGNATED TO REMAIN. ANY PAVEMENTS DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CHASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION OF EXISTING SUBSURFACE UTILITY INFORMATION." THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL UNDERGROUND UTILITIES. UTILIZE THE ONE CALL EXCAVATION NOTICE SYSTEM OF "GOPHER ONE CALL" CALL 1-800-252-1166.
- GRADES SHOWN ARE FINISH SURFACE ELEVATIONS. THE CONTRACTOR SHALL MAKE APPROPRIATE DEDUCTIONS FOR VARYING SURFACES TO DETERMINE SUBGRADE ELEVATIONS.
- AVOID EXCESSIVE COMPACTION OF SUBGRADE SOILS BELOW THE ARTIFICIAL FIELD SECTION.
- ALL EXISTING AND PROPOSED STRUCTURE ACCESS COVERS SHALL BE ADJUSTED TO FINISHED GRADE BY THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING. SEE SPECIFICATIONS FOR REQUIREMENTS.
- STABILIZE VEGETATION WITHIN 7 DAYS OF ROUGH GRADING OR INACTIVITY IN THE SITE CONSTRUCTION AREA.
- ALL AREAS DISTURBED SHALL BE RESTORED WITH TOPSOIL AND SEED UNLESS NOTED OTHERWISE. REFERENCE SPECIFICATIONS FOR REQUIREMENTS.
- PROVIDE EROSION CONTROL BLANKET ON ALL SLOPES 4 HORIZONTAL TO 1 VERTICAL OR STEEPER.

## UTILITY CONSTRUCTION NOTES

### STORM SEWER

- UNLESS OTHERWISE SPECIFIED, ALL MATERIALS AND WORKMANSHIP FOR THE STORM SEWER SYSTEM SHALL BE IN ACCORDANCE WITH MNDOT-STANDARD SPECIFICATIONS FOR CONSTRUCTION 2018 AND AS MODIFIED OR ALTERED BY THE PROJECT SPECIFICATIONS.

## GOVERNING SPECIFICATIONS

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION SHALL GOVERN, EXCEPT AS MODIFIED BY THE PROJECT SPECIFICATIONS. (AVAILABLE AT: <http://www.dot.state.mn.us/facsup>)

THE CITY OF BLAINE STANDARD CONSTRUCTION SPECIFICATIONS, AND ANY ADDENDUMS OR SUPPLEMENTS SHALL APPLY.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MN MUTCD, INCLUDING THE MOST CURRENT FIELD MANUAL. (AVAILABLE AT: <http://www.dot.state.mn.us/trafficeng>)



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CLIENT:  
**NATIONAL SPORTS  
CENTER**

1700 105TH AVE NE  
BLAINE, MN 55449

THIS SQUARE REPRESENTS 12" x 12" ON  
FULL SIZE SHEETS.

NO	DATE	ISSUED FOR
2	07/01/2019	CITY CLIP APPLICATION
1	06/20/2019	CONV PERMIT APPLICATION

NO	DATE	REVISION
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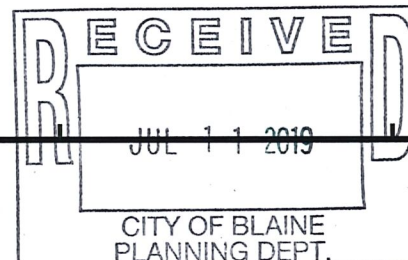
**PRELIMINARY**  
NOT FOR CONSTRUCTION  
07-10-2019

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PROJECT NAME:  
**NSC SEASONAL  
SPORTS DOME**

DRAWING TITLE:  
**TITLE SHEET**

FILE: \\180254000\Drawings\2180254 0001 Title.dwg  
DRAWN BY: PAB  
CHECKED BY: NAW  
PLOT NO.: 180254  
DRAWING NO.: **G001**



**WARNING**  
LOCATION OF UNDERGROUND UTILITIES TO BE  
VERIFIED BY CONTRACTOR. CALL BEFORE  
DIGGING. GOPHER STATE ONE CALL  
1-800-252-1166 REQUIRED BY LAW

CLIENT:  
**NATIONAL SPORTS  
CENTER**

1700 105TH AVE NE  
BLAINE, MN 55449

THIS SCALE APPEARS 10" x 10" ON  
FULL SIZE SHEETS.

10/10/2017	CONSTRUCTION SET	
09/27/2017	COWD RESUBMITTAL	
09/13/2017	COWD PERMIT	
08/08/2017	DO OWNER REVIEW	
NO	DATE	ISSUED FOR

NO	DATE	REVISION
----	------	----------

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Registered Land Surveyor under the laws of the State of Minnesota.

SIGNATURE: *[Signature]*

TYPED OR PRINTED NAME: Kyle J. Roddy

DATE: 11/9/18 REG. NO.: 42627

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PROJECT NAME:  
**NSC SOCCER FIELDS  
C1, C2, & U1  
RECONSTRUCTION**

DRAWING TITLE:  
**POST CONSTRUCTION  
AS-BUILT**

10/17/18

FILE: 117547000 Drawings/Survey/1175470 Survey Data 2018 As-Built.dwg  
DRAWN BY:  
CHECKED BY: PFW  
PLOT NO.: 150470  
DRAWING NO:

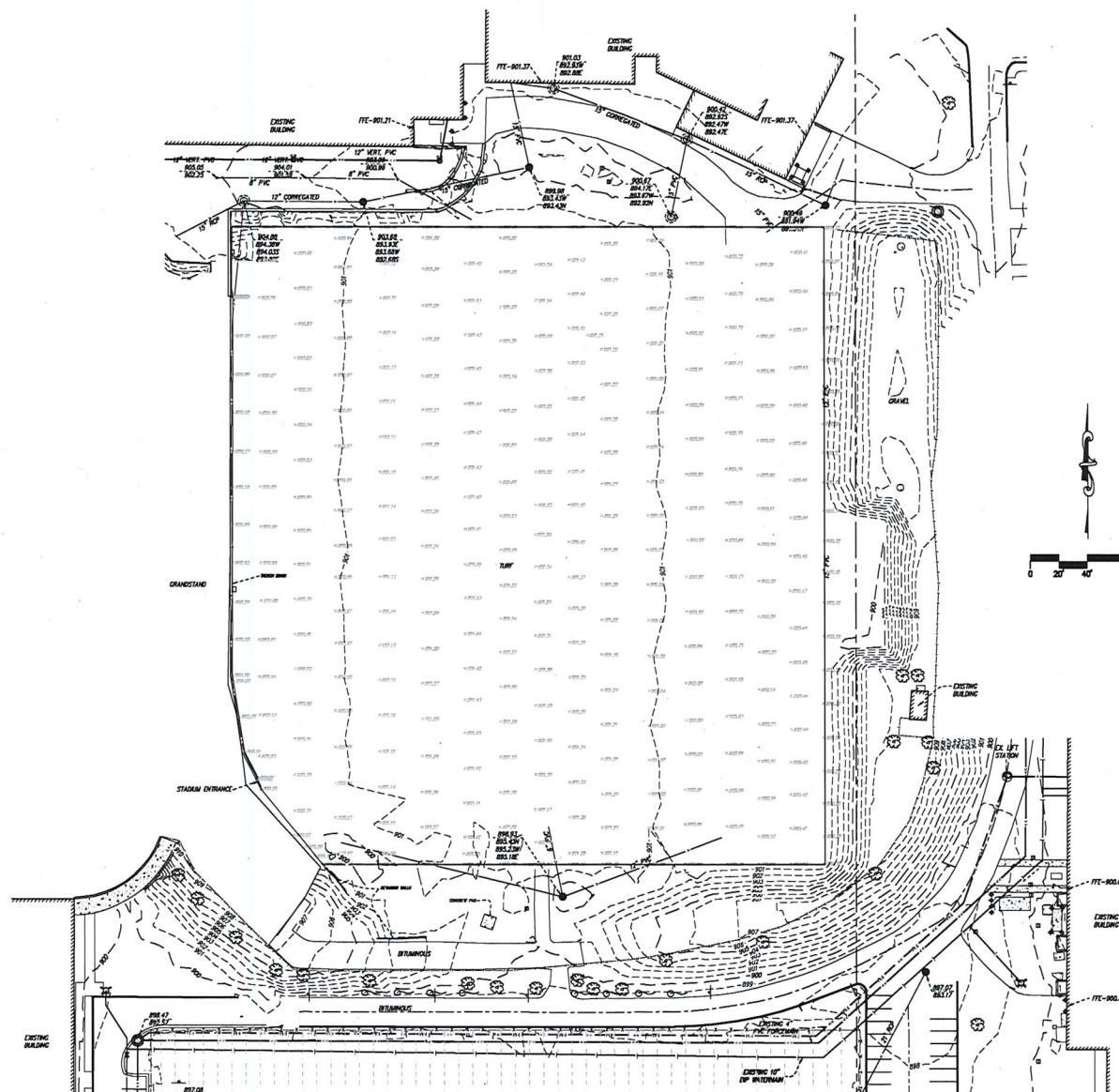
**V0.01**

**LEGEND**

- BUILDING
- CONCRETE SURFACE
- 5 FOOT CONTOUR
- 1 FOOT CONTOUR
- BURIED SANITARY SEWER
- BURIED SANITARY SEWER FORCE MAIN
- BURIED STORM
- BURIED TELEPHONE
- BURIED WATER
- TREE LINE/EDGE
- SIGN
- FENCE POST
- FLAG POLE
- BOLLARD
- EXISTING STORM MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING CATCH BASIN (SQUARE)
- EXISTING CATCH BASIN (ROUND)
- WATER SHUTOFF
- WATER VALVE
- HYDRANT
- CLEAN OUT
- EVERGREEN TREE
- DECIDUOUS TREE

**BENCHMARK**  
NCS BM (2008 E RESET)  
.04 MILES SOUTH OF 105TH AVE NE AT THE JUNCTION TO HIGHWAY 65  
906.084 (NAVD 88 DATUM)  
N 145320.492 E 508259.633

**UTILITY NOTE**  
THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF OJASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION OF EXISTING SUBSURFACE UTILITY DATA".





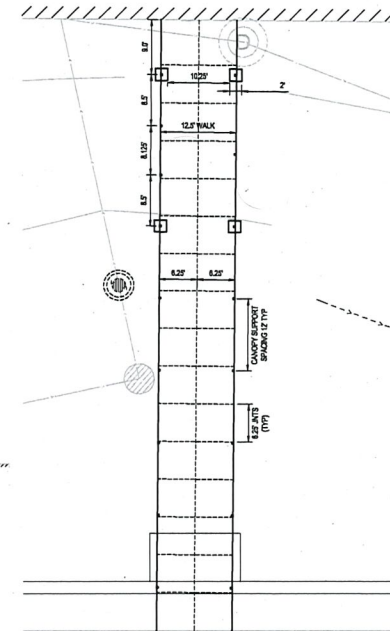
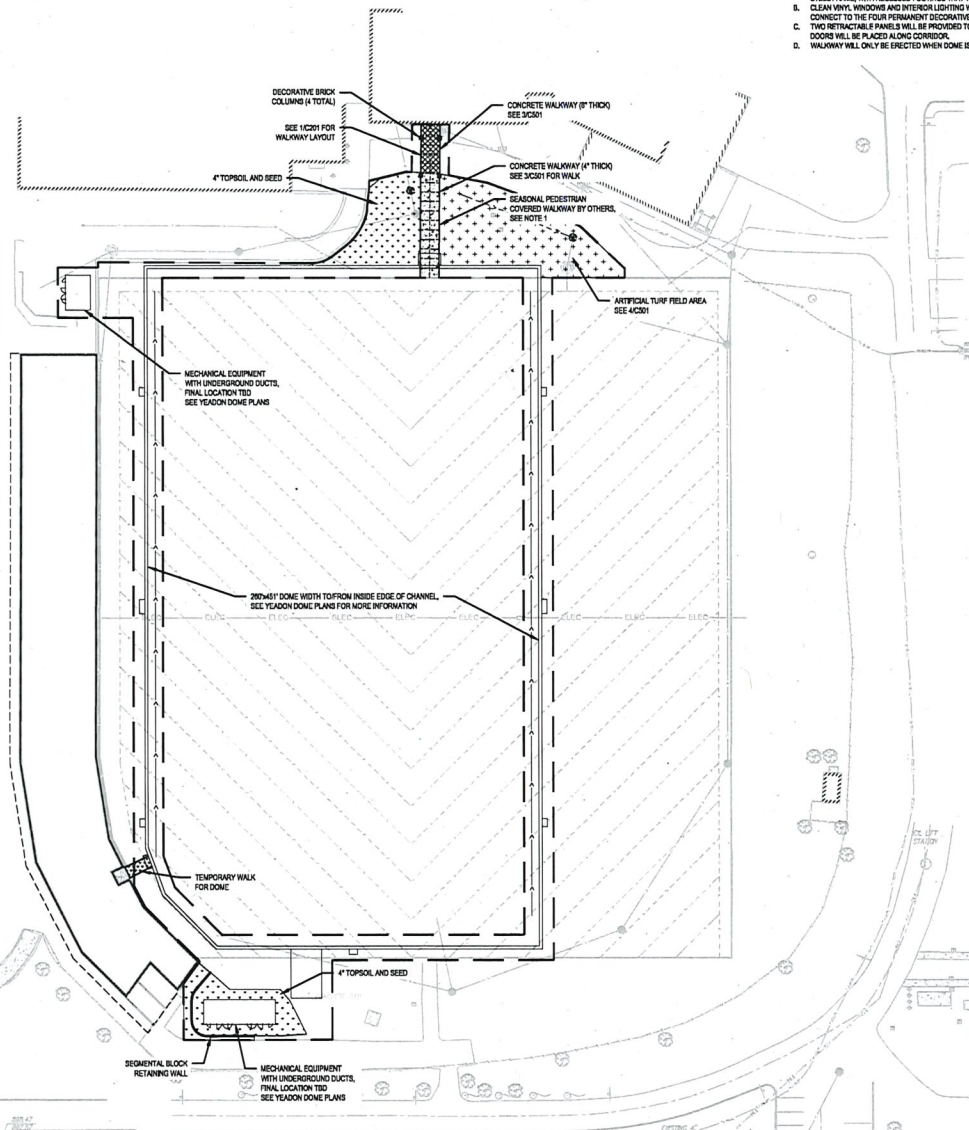


# GENERAL NOTES

1. SEASONAL PEDESTRIAN COVERED WALKWAY:
  - A. TO BE CONSTRUCTED OF FLAME-RETARDANT VINYL OR FABRIC OVER AN ALUMINUM OR GALVANIZED STEEL FRAME, WITH RECESSED FOOTINGS THAT WILL BE CAPPED WHEN NOT IN USE.
  - B. CLEAN VINYL, WINDOWS AND INTERIOR LIGHTING WILL PROVIDE INTERIOR ILLUMINATION. CANOPY WILL CONNECT TO THE FOUR PERMANENT DECORATIVE BRICK COLUMNS.
  - C. TWO RETRACTABLE PANELS WILL BE PROVIDED TO OPEN EQUIPMENT THROUGH AND EMERGENCY DOORS WILL BE PLACED ALONG CORRIDOR.
  - D. WALKWAY WILL ONLY BE ERECTED WHEN DOME IS INFLATED FOR SEASONAL USE.

## LEGEND

- CONSTRUCTION LIMITS
- 8" CONCRETE WALK, SEE SC601
  - 4" CONCRETE WALK, SEE SC601
  - ARTIFICIAL TURF FIELD AREA, SEE 4C201
  - TOPSOIL AND SEED



1 CONCRETE WALKWAY LAYOUT PLAN  
SCALE: 1" = 10'

0 20' 40' 80'



701 Washington Ave, N, Ste 200 | Minneapolis, MN 55401 | (612) 338-2329

CLIENT:  
**NATIONAL SPORTS CENTER**

1700 105TH AVE NE  
BLAINE, MN 55449

THIS SQUARE APPEARS 1/2" x 1/2" ON  
FULL SIZE SHEETS.

2 07/10/2019 CITY CLIP APPLICATION  
1 06/26/2019 CDDO PERMIT APPLICATION  
NO DATE ISSUED FOR

NO DATE REVISION

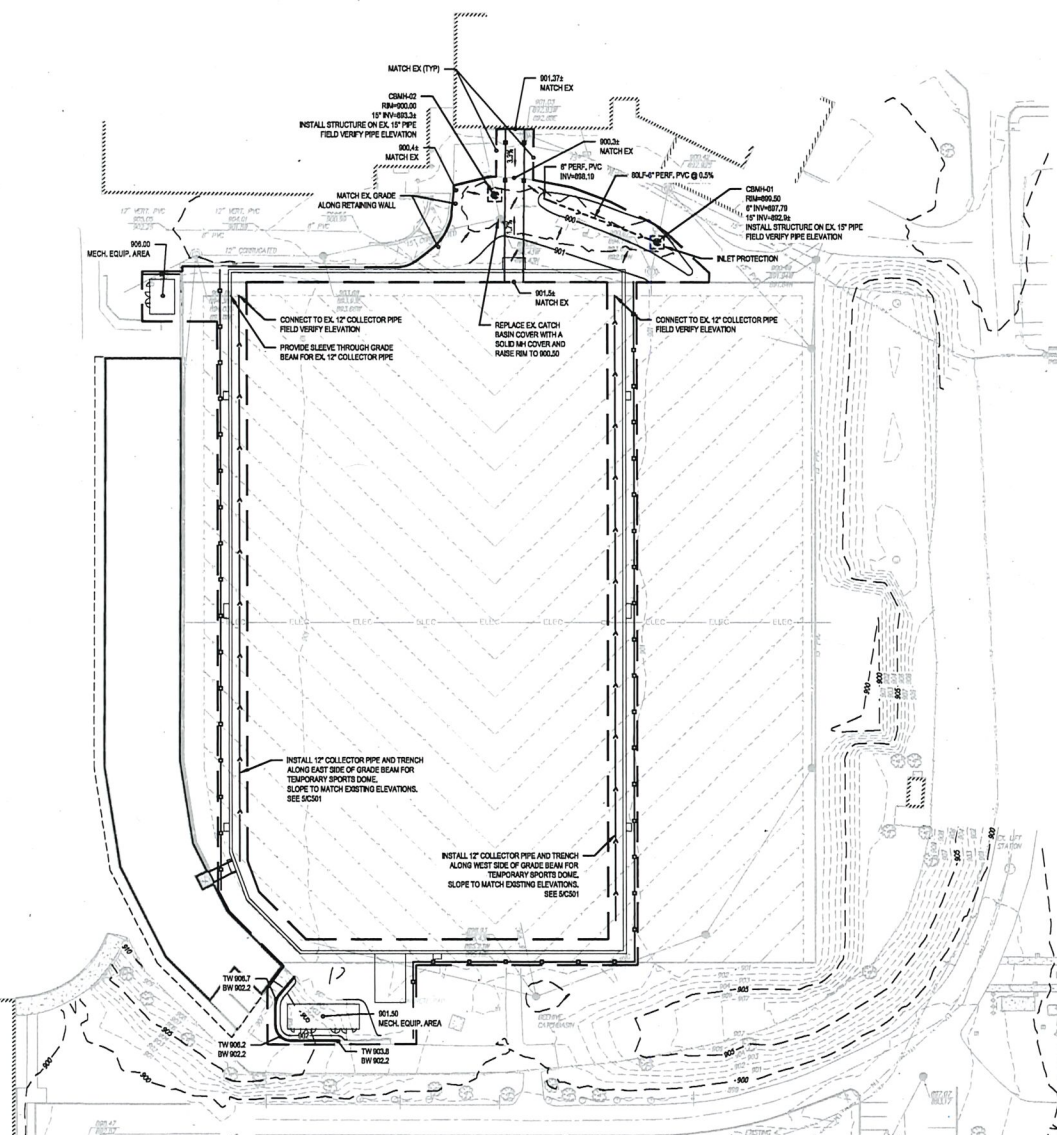
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07-10-2019

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PROJECT NAME:  
**NSC SEASONAL SPORTS DOME**

DRAWING TITLE:  
**SITE PLAN**

FILE: J:\18034\000 Drawings\18034 C201 Site Plan.dwg  
DRAWN BY: PMS  
CHECKED BY: NMM  
PROJ. NO.: 18034  
DRAWING NO.: **C201**



# LEGEND

- CONSTRUCTION LIMITS
- STORM SEWER
- DRAIN TILE
- CATCH BASIN OR MANHOLE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- SPOT ELEVATION
- FLOW ARROW
- INLET PROTECTION, SEE SCS01



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NO DATE REVISION

**PRELIMINARY**  
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07-10-2019

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PROJECT NAME:  
**NSC SEASONAL  
SPORTS DOME**

DRAWING TITLE:  
**GRADING AND UTILITY  
PLAN**

FILE: J:\BIDDING Drawings\CH18034 C201 Grading & Utility Planning  
DRAWN BY: PMS  
CHECKED BY: MAM  
PLOT NO: 18034  
DRAWING NO:

**C301**





**NOTES:**

1. POP-UP STYLE DRAIN SHOWN. FILTER ASSEMBLY MAY BE IN CLOSED POSITION DURING HOURS OF CONSTRUCTION OPERATIONS. FILTER SHALL BE IN THE OPEN POSITION DURING "OFF" HOURS TO ALLOW STORM WATER TO ENTER STRUCTURE.
2. DEVICES SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING CATCH BASINS. DEVICES SHALL BE LEFT IN PLACE UNTIL CASTINGS ARE INSTALLED.

**NOTE:**

1. SEE SPECIFICATION SECTION 31 2323 FOR FILL MATERIAL REQUIREMENTS.
2. ATTACH SYNTHETIC TURF TO NAILER BOARD AT ADJACENT CURB/PAVEMENT/GRADE BEAM INTERFACE.

5 COLLECTOR PIPE TRENCH  
NOT TO SCALE



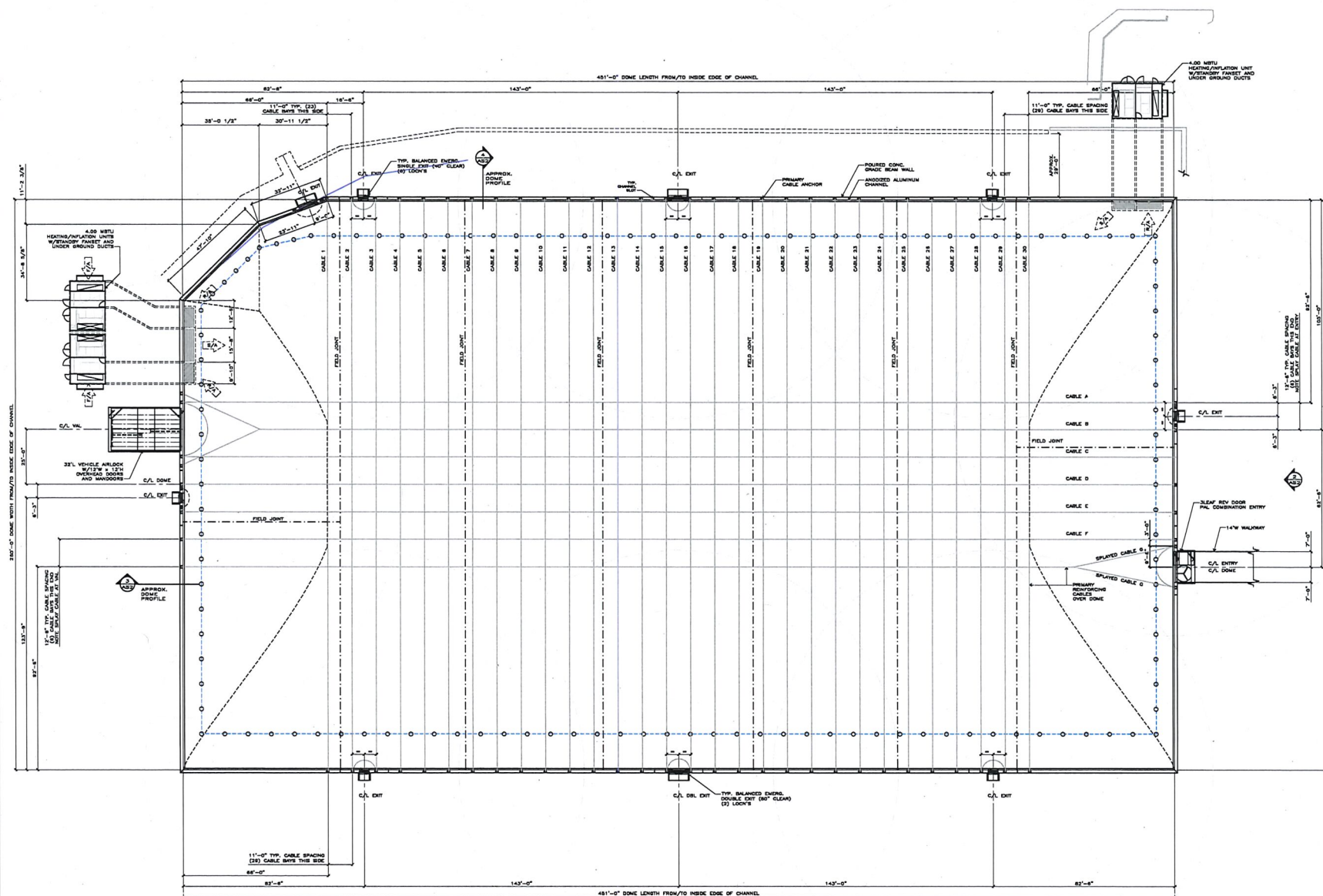
3 CONCRETE WALK  
NOT TO SCALE

FILE: ..\180334\800 Drawings\C1180334 C301 Details.dwg  
DRAWN BY: JTC  
CHECKED BY: MWN  
PLOT NO: 180334  
DRAWING NO:

**C501**



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NO.	DESCRIPTION	DATE

PROJECT NORTH



SEAL:

**PRELIMINARY**  
 NOT FOR  
 CONSTRUCTION

PROJECT:

**NATIONAL  
 SPORTS CENTER  
 MULTI SPORT DOME**

PROJECT LOCATION:

**BLAINE, MN.**

DRAWING:

**PLAN VIEW**

SCALE:

**1"=20'-0"**

DATE:

DRAWN BY:

**D.K.**

APPROVED BY:

PROJECT NO.:

**18314**

DWG. NO.:

**AS-1**

