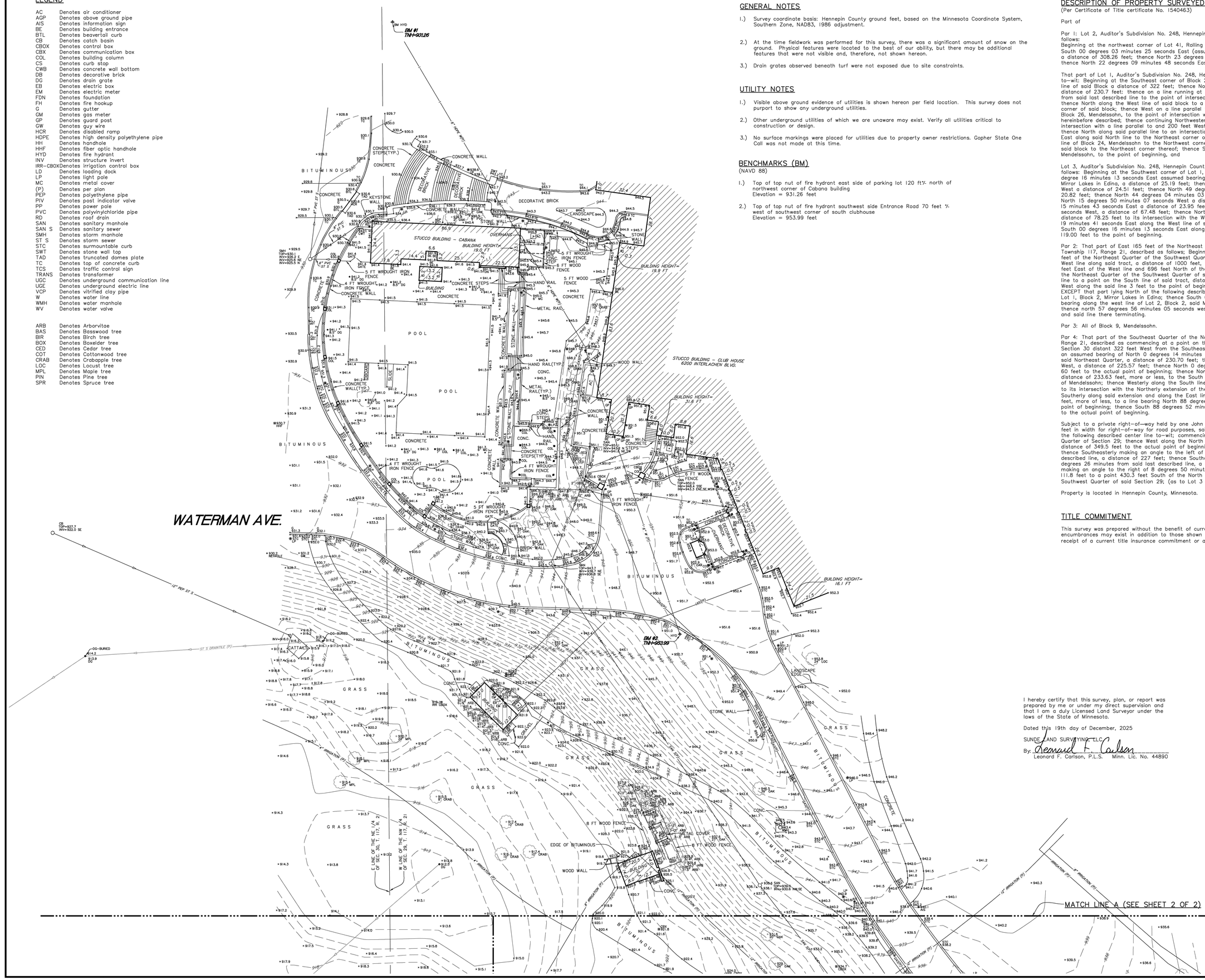
LEGEND

AC	Denotes air conditioner
AGP	Denotes above ground pipe
AIS	Denotes information sign
BE	Denotes building entrance
BTL	Denotes beavertail curb
CB	Denotes catch basin
CBOX	Denotes control box
CBX	Denotes communication box
COL	Denotes building column
CS	Denotes curb stop
CWB	Denotes concrete wall bottom
DB	Denotes decorative brick
DG	Denotes drain grate
EB	Denotes electric box
EM	Denotes electric meter
FDN	Denotes foundation
FH	Denotes fire hookup
G	Denotes gutter
GM	Denotes gas meter
GP	Denotes guard post
GW	Denotes guy wire
HCR	Denotes handicapped ramp
HDPE	Denotes high density polyethylene pipe
HH	Denotes handhole
HHF	Denotes fiber optic handhole
HYD	Denotes fire hydrant
INV	Denotes structure invert
IRR-CBOX	Denotes irrigation control box
LD	Denotes loading dock
LP	Denotes light pole
MC	Denotes metal cover
(P)	Denotes per plan
PEP	Denotes polyethylene pipe
PIV	Denotes post indicator valve
PP	Denotes power pole
PVC	Denotes polyvinylchloride pipe
RD	Denotes roof drain
SAN	Denotes sanitary manhole
SAN S	Denotes sanitary sewer
SMH	Denotes storm manhole
ST S	Denotes storm sewer
STC	Denotes surmountable curb
SWT	Denotes stone wall top
TAD	Denotes truncated domes plate
TC	Denotes top of concrete curb
TCS	Denotes traffic control sign
TRANS	Denotes transformer
UGC	Denotes underground communication line
UGE	Denotes underground electric line
VCP	Denotes vitrified clay pipe
W	Denotes water line
WMH	Denotes water manhole
WV	Denotes water valve

ARB	Denotes Arborvitae
BAS	Denotes Basswood tree
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CRAB	Denotes Crabapple tree
LOC	Denotes Locust tree
MPL	Denotes Maple tree
PIN	Denotes Pine tree
SPR	Denotes Spruce tree



GENERAL NOTES

1.) Survey coordinate basis: Hennepin County ground feet, based on the Minnesota Coordinate System, Southern Zone, NAD83, 1986 adjustment.

2.) At the time fieldwork was performed for this survey, there was a significant amount of snow on the ground. Physical features were located to the best of our ability, but there may be additional features that were not visible and, therefore, not shown hereon.

3.) Drain grates observed beneath turf were not exposed due to site constraints.

UTILITY NOTES

1.) Visible above ground evidence of utilities is shown hereon per field location. This survey does not purport to show any underground utilities.

2.) Other underground utilities of which we are unaware may exist. Verify all utilities critical to construction or design.

3.) No surface markings were placed for utilities due to property owner restrictions. Gopher State One Call was not made at this time.

BENCHMARKS (BM)

(NAVD 88)

1.) Top of top nut of fire hydrant east side of parking lot 120 ft+/- north of northwest corner of Cabana building
Elevation = 931.26 feet

2.) Top of top nut of fire hydrant southwest side Entrance Road 70 feet +/- west of southwest corner of south clubhouse
Elevation = 953.99 feet

DESCRIPTION OF PROPERTY SURVEYED

(Per Certificate of Title certificate No. 1540463)

Part of

Par 1: Lot 2, Auditor's Subdivision No. 248, Hennepin County, Minn., EXCEPT that part described as follows:
Beginning at the northwest corner of Lot 41, Rolling Green, Hennepin County, Minnesota; thence South 00 degrees 03 minutes 25 seconds East (assumed bearing) along the east line of said Lot 2, a distance of 308.26 feet; thence North 23 degrees 38 minutes 32 seconds West 162.59 feet; thence North 22 degrees 09 minutes 48 seconds East 172.03 feet to the point of beginning; and

That part of Lot 1, Auditor's Subdivision No. 248, Hennepin County, Minn., described as follows, to–wit: Beginning at the Southeast corner of Block 25 Mendelssohn, thence Westerly along the South line of said Block a distance of 322 feet; thence North parallel to the West line of said block a distance of 230.7 feet; thence on a line running at an angle of 74 degrees 15 minutes to the left from said last described line to the point of intersection with the West line of said block; thence North along the West line of said block to a point therein 350 feet South of the Northwest corner of said block; thence West on a line parallel to and 350 feet South of the North line of Block 26, Mendelssohn, to the point of intersection with an extension of the diagonal line as hereinbefore described; thence continuing Northwesterly on an extension of said diagonal line to an intersection with a line parallel to and 200 feet West of the East line of said Block 26; thence North along said parallel line to an intersection with the North line of said Block 26; thence East along said North line to the Northeast corner of said Block 26; thence North along the West line of Block 24, Mendelssohn to the Northwest corner thereof; thence East along the North line of said block to the Northeast corner thereof; thence South along the East line of Blocks 24 and 25, Mendelssohn, to the point of beginning, and

Lot 3, Auditor's Subdivision No. 248, Hennepin County, Minn., EXCEPT that part thereof described as follows: Beginning at the Southwest corner of Lot 1, Block 2, Mirror Lakes in Edina; thence South 01 degree 16 minutes 13 seconds East assumed bearing along the West line of Lot 2, Block 2, said Mirror Lakes in Edina, a distance of 25.19 feet; thence North 57 degrees 56 minutes 05 seconds West a distance of 24.51 feet; thence North 49 degrees 42 minutes 42 seconds West a distance of 20.82 feet; thence North 44 degrees 04 minutes 03 seconds West a distance of 16.66 feet; thence North 15 degrees 50 minutes 07 seconds West a distance of 46.49 feet; thence North 02 degrees 15 minutes 43 seconds East a distance of 23.95 feet; thence North 14 degrees 45 minutes 57 seconds West, a distance of 67.48 feet; thence North 70 degrees 18 minutes 03 seconds East a distance of 78.25 feet to its intersection with the West line of said Lot 1; thence South 00 degrees 19 minutes 41 seconds East along the West line of said Lot 1 a distance of 54.54 feet; thence South 00 degrees 16 minutes 13 seconds East along the West line of said Lot 1 a distance of 119.00 feet to the point of beginning.

Par 2: That part of East 165 feet of the Northeast Quarter of the Southwest Quarter of Section 29, Township 117, Range 21, described as follows; Beginning at the Southwest corner of the East 165 feet of the Northeast Quarter of the Southwest Quarter of said Section 29; thence North along the West line along said tract, a distance of 1000 feet, thence Southeast in a straight line to a point 5 feet East of the West line and 696 feet North of the South line of the East 165 feet the Northeast Quarter of the Southwest Quarter of said Section 29; thence Southerly in a straight line to a point on the South line of said tract, distant 3 feet East of the point of beginning; thence West along the said line 3 feet to the point of beginning,
EXCEPT that part lying North of the following described line: Beginning at the Southwest corner of Lot 1, Block 2, Mirror Lakes in Edina; thence South 01 degree 16 minutes 13 seconds East assumed bearing along the west line of Lot 2, Block 2, said Mirror Lakes in Edina a distance of 25.19 feet; thence north 57 degrees 56 minutes 05 seconds west to the west line of above described property and said line there terminating.

Par 3: All of Block 9, Mendelssohn.

Par 4: That part of the Southeast Quarter of the Northeast Quarter of Section 30, Township 117, Range 21, described as commencing at a point on the South line of the Northeast Quarter of said Section 30 distant 322 feet West from the Southeast corner of said Northeast Quarter, thence on an assumed bearing of North 0 degrees 14 minutes 12 seconds, East, parallel with the East line of said Northeast Quarter, a distance of 230.70 feet; thence North 74 degrees 00 minutes 48 seconds West, a distance of 225.57 feet; thence North 0 degrees 13 minutes 30 seconds East, a distance of 60 feet to the actual point of beginning; thence North 0 degrees 13 minutes 30 seconds East a distance of 233.63 feet, more or less, to the South line of Waterman Avenue, as shown on the plat of Mendelssohn; thence Westerly along the South line of Waterman Avenue a distance of 121.70 feet to its intersection with the Northerly extension of the East line of "Mirror Lake View"; thence Southerly along said extension and along the East line of "Mirror Lake View" a distance of 233.63 feet, more of less, to a line bearing North 88 degrees 52 minutes 45 seconds West from the actual point of beginning; thence South 88 degrees 52 minutes 45 seconds, East a distance of 122.40 feet to the actual point of beginning.

Subject to a private right–of–way held by one John Marriot described as follows: A strip of land 14 feet in width for right–of–way for road purposes, said 14 foot strip being 7 feet on each side of the following described center line to–wit; commencing at the Northeast corner of the Southwest Quarter of Section 29; thence West along the North line of the Southwest Quarter of said Section, a distance of 349.5 feet to the actual point of beginning of the line to be hereinafter described; thence Southeasterly making an angle to the left of 104 degrees 25 minutes from said last described line, a distance of 227 feet; thence Southeasterly making an angle to the left of 21 degrees 26 minutes from said last described line, a distance of 138 feet; thence Southeasterly making an angle to the right of 8 degrees 50 minutes from said last described line, a distance of 111.8 feet to a point 430.3 feet South of the North line and 165 feet West of the East line of said Southwest Quarter of said Section 29; (as to Lot 3 in Par 1)

Property is located in Hennepin County, Minnesota.

TITLE COMMITMENT

This survey was prepared without the benefit of current title work. Easements, appurtenances, and encumbrances may exist in addition to those shown hereon. This survey is subject to revision upon receipt of a current title insurance commitment or attorney's title opinion.

I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.

Dated this 19th day of December, 2025

SUNDE LAND SURVEYING, LLC

By: Leonard F. Carlson

Leonard F. Carlson, P.L.S. Minn. Lic. No. 44890

Revision	By	Date
	KSC	

Drawing Title:
PARTIAL BOUNDARY, LOCATION, TOPOGRAPHIC and UTILITY SURVEY FOR: Interlachen Country Club

SUNDE LAND SURVEYING
www.sunde.com
Main Office:
9001 East Bloomington Freeway (35W) • Suite 118
Bloomington, Minnesota 55420–3435
952–881–2455 (Fax: 952–888–9526)

Project: 98–088–C Bk/Pg: 1228/13	Date: 12/19/2025
Township: 117 Range: 021 Section: 29	Sheet: 1 of 2
File: 98088C001.dwg	

LEGEND

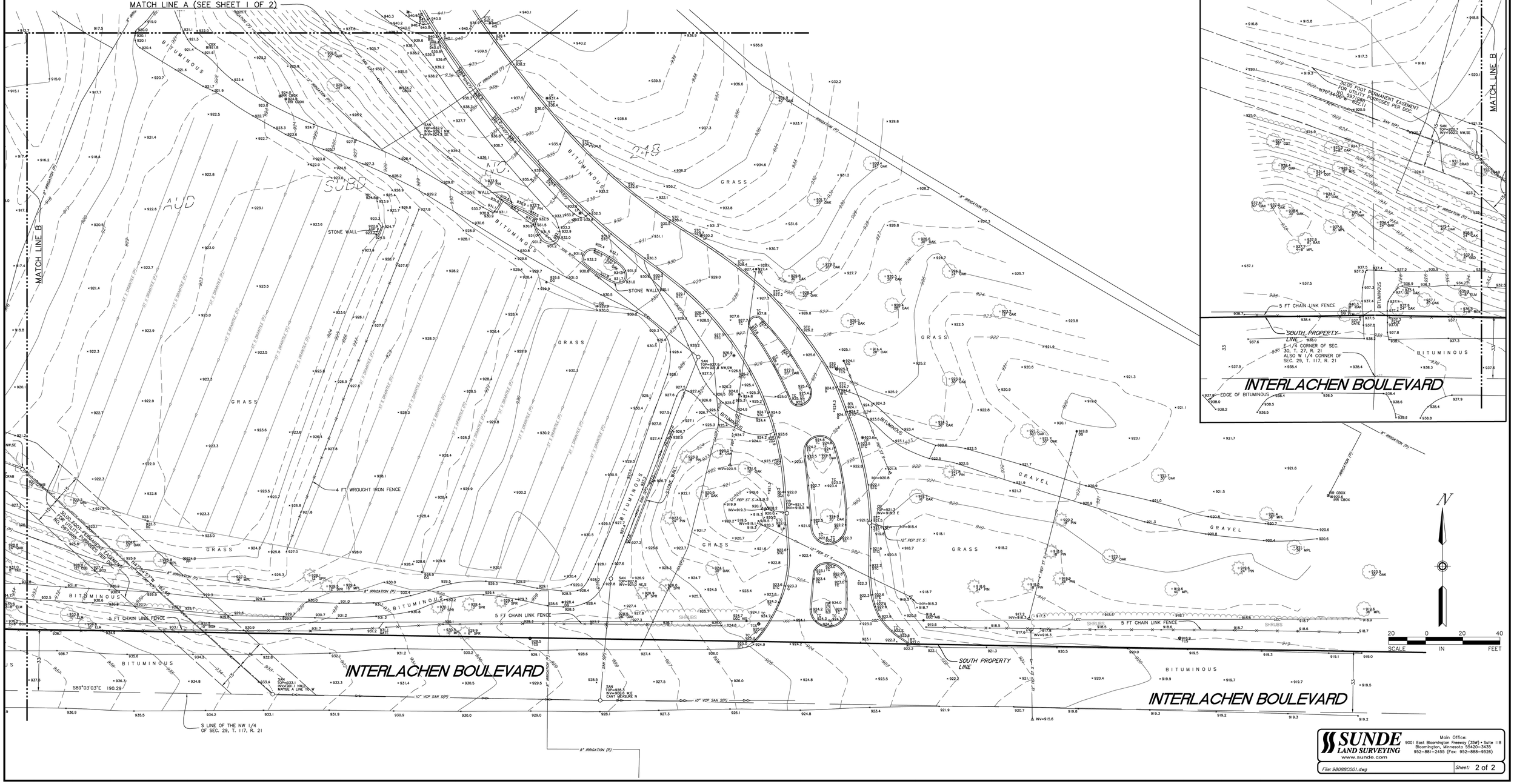
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BENCHMARKS (BM)

(NAVD 88)

1.) Top of top nut of fire hydrant east side of parking lot 120 ft+/- north of northwest corner of Cabana building
Elevation = 931.26 feet

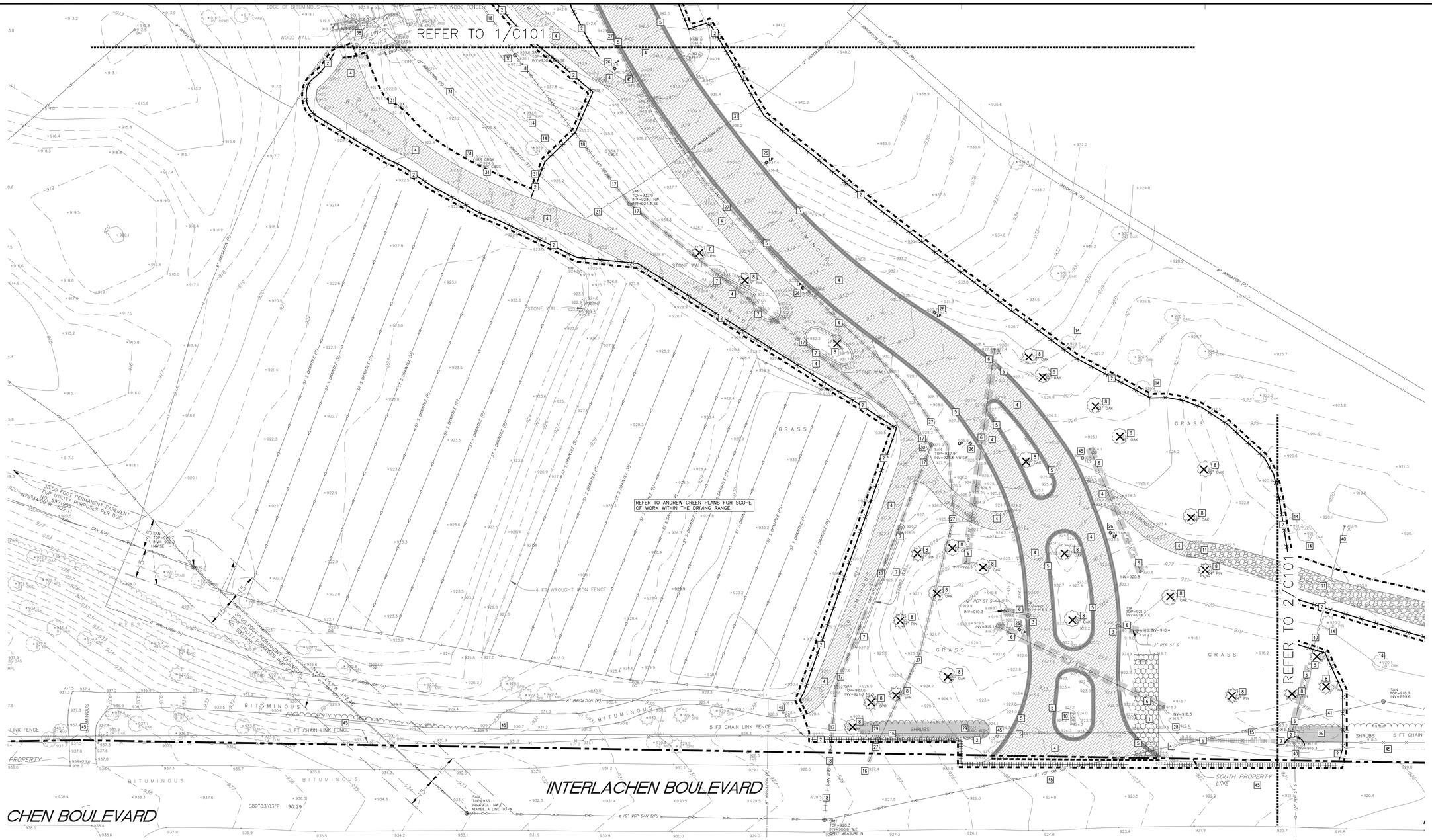
2.) Top of top nut of fire hydrant southwest side Entrance Road 70 feet +/- west of southwest corner of south clubhouse
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File: 98088C001.dwg

Sheet: 2 of 2



1 C100 SELECTIVE SITE DEMOLITION AND EROSION CONTROL PLAN
1" = 20'

DEMOLITION AND REMOVAL NOTES:

1. CONTRACTOR SHALL FOLLOW ALL CITY OF EDINA STANDARDS AND SPECIFICATIONS.
2. PRIOR TO START OF ANY CONSTRUCTION ACTIVITY, ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED BY THE CONTRACTOR AND INSPECTED BY THE CITY OF EDINA AND HENNEPIN COUNTY. PERIMETER SEDIMENT PROTECTION SHALL BE INSTALLED ALONG THE CONTOUR.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION AND MARK ALL EXISTING UTILITIES 48 HOURS BEFORE CONSTRUCTION STARTS. THE ENGINEER, ARCHITECT, OR OWNER DOES NOT GUARANTEE THAT ALL THE UTILITIES ARE MAPPED, OR, IF MAPPED, ARE SHOWN CORRECTLY. CONTACT GOPHER STATE ONE CALL AT 651-454-0002 FOR FIELD LOCATING EXISTING UTILITIES. CONTACT UTILITY OWNER IF DAMAGE OCCURS DUE TO CONSTRUCTION.
4. THERE MAY BE MISCELLANEOUS ITEMS TO BE REMOVED THAT ARE NOT IDENTIFIED ON THESE PLANS. THE CONTRACTOR SHALL VISIT THE SITE AND REVIEW THE DOCUMENTS TO OBTAIN A CLEAR UNDERSTANDING OF THE INTENDED SCOPE OF WORK.
5. REMOVE ALL GAS AND ELECTRIC LINES UNDER PROPOSED BUILDING FOOTPRINT. COORDINATE DISCONNECTION OF EACH UTILITY WITH THE UTILITY OWNER.
6. ANY UTILITIES NOT INDICATED FOR REMOVAL OR ABANDONMENT ARE TO BE PROTECTED AT ALL TIMES.
7. EXISTING CONCRETE PAVEMENT AND CURB AND GUTTER SHOWN TO BE REMOVED WITHIN THE SCOPE OF THE PROJECT SHALL BE REMOVED FROM THE SAW CUT LINES TO THE NEAREST JOINT. ANY CURB AND GUTTER, SIDEWALK, AND PAVEMENT NOT INDICATED FOR REMOVAL ARE TO BE PROTECTED AT ALL TIMES.
8. THE BACKGROUND INFORMATION WAS PREPARED BY SUDNE LAND SURVEYING, (952) 881-2455.
9. ALL WORK IN THE PUBLIC RIGHT OF WAY IS TO BE COORDINATED WITH THE CITY OF EDINA. ROADWAY REPAIRS, BOULEVARD REPAIRS, AND TRAFFIC CONTROL ARE TO BE PER CITY OF EDINA STANDARDS AND SPECIFICATIONS.

GENERAL NOTES:

1. CONCRETE CURB AND GUTTER REMOVAL, PAVEMENT REMOVAL, AND UTILITY REMOVAL LIMITS ARE TO BE COORDINATED WITH THE CITY OF EDINA AND UTILITY OWNER.
2. THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A TRAFFIC CONTROL PLAN WHILE WORKING WITHIN THE RIGHT-OF-WAY. THE TRAFFIC CONTROL PLAN SHALL BE APPROVED BY THE CITY ENGINEERING DEPARTMENT PRIOR TO STREET ENCROACHMENT.
3. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND REVIEW ALL CONSTRUCTION DOCUMENTS AND GEOTECHNICAL REPORTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ITEMS THAT SHOULD HAVE BEEN ANTICIPATED BY PERFORMING THE ABOVE.
4. THE CONSTRUCTION ENTRANCE INDICATED ON THE PLAN IS SHOWN IN AN APPROXIMATE LOCATION. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR IS TO COORDINATE WITH THE CITY OF EDINA FOR THE EXACT CONSTRUCTION ENTRANCE LOCATION.

KEYED NOTES

KEYED NOTES ARE DENOTED BY [NO] ON PLAN.

1 INSTALL CONSTRUCTION ENTRANCE. REFER TO DETAIL 1/C500.
2 INSTALL PERIMETER EROSION CONTROL. REFER TO DETAIL 3/C500 AND 4/C500.
3 INSTALL INLET SEDIMENT PROTECTION. REFER TO DETAIL 2/C500.
4 SAWCUT AND REMOVE BITUMINOUS PAVEMENT IN ITS ENTIRETY TO THE EXTENTS SHOWN.
5 REMOVE CURB AND GUTTER IN ITS ENTIRETY TO THE APPROXIMATE EXTENTS SHOWN. SAWCUT AND REMOVE AT NEAREST JOINT.
6 REMOVE STORM SEWER IN ITS ENTIRETY TO THE APPROXIMATE EXTENTS SHOWN.
7 REMOVE RETAINING WALL IN ITS ENTIRETY.
8 REMOVE TREE IN ITS ENTIRETY INCLUDING STUMP.
9 REMOVE FENCE IN ITS ENTIRETY.
10 REMOVE SIGN IN ITS ENTIRETY INCLUDING FOOTINGS.
11 INTENT IS TO REMOVE GRAVEL TRAIL IN ITS ENTIRETY. GRAVEL TRAIL IS NOT SHOWN IN ITS ENTIRETY, CONTRACTOR SHALL COORDINATE EXACT EXTENTS WITH ENGINEER AND OWNER PRIOR TO START OF CONSTRUCTION.
14 EXISTING TREE TO REMAIN. PROTECT AT ALL TIMES.
15 EXISTING UNDERGROUND CABLE TO REMAIN. PROTECT AT ALL TIMES.
16 EXISTING GAS LINE TO REMAIN. PROTECT AT ALL TIMES.
17 REMOVE SANITARY SEWER IN ITS ENTIRETY TO THE EXTENTS SHOWN.
18 ABANDON EXISTING SANITARY SEWER IN PLACE. CONTRACTOR SHALL CAP BOTH ENDS AND FILL WITH FLOWABLE GROUT OR BLOWN SAND PRIOR TO ABANDONMENT.
26 REMOVE EXISTING AIR CONDITIONER, ELECTRICAL LINES, LIGHT POLES, AND FOOTINGS TO THE APPROXIMATE EXTENT SHOWN. CONTRACTOR SHALL COORDINATE EXACT LIMITS OF REMOVAL WITH THE ELECTRICAL CONTRACTOR. **EXACT LOCATION OF ELECTRICAL LINES ARE NOT SHOWN, CONTRACTOR SHALL FIELD LOCATE AND REMOVE ALL LINES NOT BEING REUSED.**

KEYED NOTES

KEYED NOTES ARE DENOTED BY [NO] ON PLAN.

27 EXISTING GAS LINE TO BE REMOVED AND RELOCATED TO THE APPROXIMATE EXTENTS SHOWN. COORDINATE NEW LOCATION WITH OWNER AND UTILITY OWNER PRIOR TO START OF CONSTRUCTION.
28 REMOVE AND SALVAGE EXISTING COMMUNICATION LINE SIGNAGE. COORDINATE WITH UTILITY COMPANY FOR SALVAGED SIGN RE-INSTALLATION/PLACEMENT.
29 REMOVE EXISTING SHRUBS IN THEIR ENTIRETY, INCLUDING ROOT SYSTEM.
30 REMOVE CASTING AND TOP SECTION OF EXISTING MANHOLE. CONTRACTOR SHALL FILL REMAINING PORTION OF EXISTING MANHOLE WITH GRANULAR FILL AND ABANDON IN PLACE.
31 **EXISTING IRRIGATION LINE TO REMAIN. PROTECT AT ALL TIMES.**
32 EXISTING ELECTRICAL LINES, LIGHT POLES ELECTRICAL BOXES, AND TRANSFORMER TO REMAIN. PROTECT AT ALL TIMES. **EXACT LOCATION OF ELECTRICAL LINES ARE NOT SHOWN.**
38 EXISTING BUILDING TO REMAIN. PROTECT AT ALL TIMES.
40 EXISTING STORM SEWER TO REMAIN. PROTECT AT ALL TIMES.
41 EXISTING STANITARY SEWER TO REMAIN. PROTECT AT ALL TIMES.
45 REFER TO CITY OF EDINA INTERLACHEN BOULEVARD ROADWAY PLANS FOR SCOPE OF WORK BOTH IN THE ROADWAY AND ASSOCIATED WORK ON SITE. INCLUDING DEMOLITION, CURB AND GUTTER, PAVEMENTS, FENCE, AND ASSOCIATED GRADING. CONTRACTOR SHALL COORDINATE PROPOSED SITE WORK WITH CITY CONTRACTOR DURING CONSTRUCTION.
45 REMOVE AND SALVAGE SIGN AND POST. REFER TO C400 FOR PROPOSED LOCATION.

PROPOSED PLAN SYMBOLS

- CONSTRUCTION LIMITS
- SILTATION FENCE
- SEDIMENT CONTROL LOG
- PROPERTY LINE
- SAWCUT LINE (APPROX.)
- CONSTRUCTION ENTRANCE
- BITUMINOUS REMOVAL
- CONCRETE REMOVAL
- GRAVEL TRAIL REMOVAL
- CURB REMOVAL
- PIPE REMOVAL
- PIPE ABANDONMENT
- FENCE REMOVAL
- UTILITY REMOVAL (SAC)
- TREE REMOVAL
- TREE / SHRUB CLEAR AND GRUB LIMITS

ABBREVIATIONS

BLDG	Building
BM	Benchmark
CB	Catch Basin
CONC	Concrete
DIP	Ductile Iron Pipe
DG	Drain Grate
ELEV	Elevation
EX	Existing
FFE	Finished Floor Elevation
INV	Invert
MAX	Maximum
MH	Manhole
MIN	Minimum
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe

NOTE:
STORM SEWER INLETS NOT SHOWN ON PLAN MAY RECEIVE RUNOFF FROM CONSTRUCTION ACTIVITIES. INSTALL INLET SEDIMENT PROTECTION PER DETAIL 2/C500 ON ALL STORM INLETS THAT MAY RECEIVE RUNOFF.

NOTE:
CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO OBTAIN CLEAR UNDERSTANDING OF THE FULL SCOPE OF TREE, UNDER BRUSH, AND OTHER VEGETATION CLEARING THAT NEEDS TO OCCUR.

N
20' 10' 0 20' 40'
SCALE 1" = 20'

shea
10 South Eighth Street
Minneapolis, MN 55402
t 612_339-2257
sheadesign.com

consultant
BKBM Structural & Civil Engineers
6120 Earle Brown Drive
Suite 700 Minneapolis,
MN 55430 Phone:
763.843.0420
bkbm.com

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BKBM Project No. 26113

project title
INTERLACHEN COUNTRY CLUB
POOL DECK
6200 INTERLACHEN BLVD
EDINA, MN 55436

client
INTERLACHEN COUNTRY CLUB
EDINA, MN 55436
6200 INTERLACHEN BLVD

seal

I hereby certify that this plan, specification or report 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.

NATHANIEL P. ANDERSON
PRINTED NAME
SIGNATURE
2026-05-12
DATE ISSUED
59311
REG. NO.

BID / PERMIT SET
CONSTRUCTION DOCUMENTS

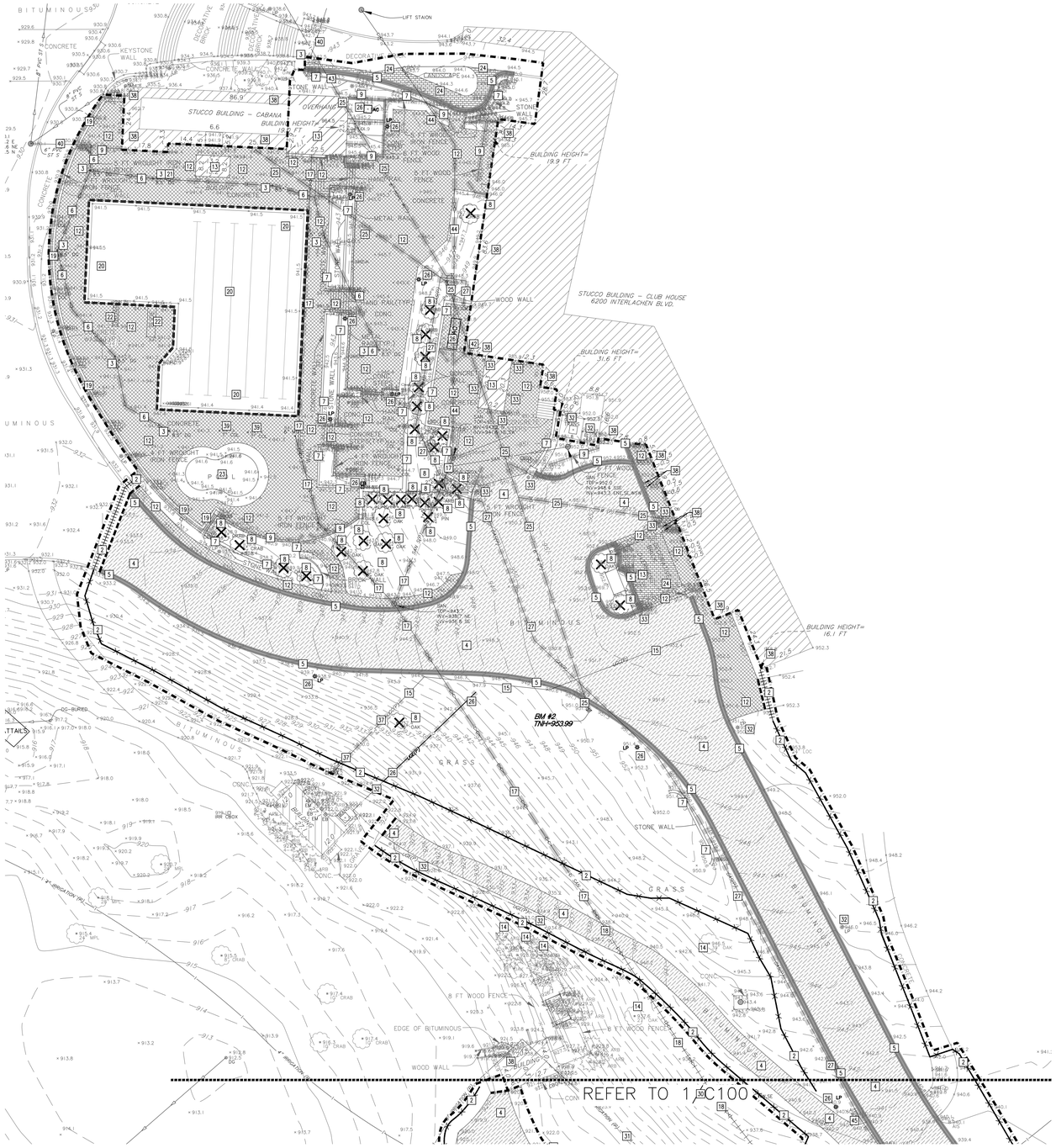
no.	date	issued for

project no.	issue date
8566.20	2026-05-12
drawn	checked
WH	KAB

sheet title
SELECTIVE SITE DEMOLITION AND EROSION CONTROL PLAN

C100

© 2026 shea, inc.


LIFT STAION
STUCCO BUILDING – CABANA
BUILDING HEIGHT= 19 FT
STUCCO BUILDING – CLUB HOUSE
6200 INTERLACHEN BLVD.
BUILDING HEIGHT= 19.9 FT
BUILDING HEIGHT= 31.6 FT
BUILDING HEIGHT= 16.1 FT
WOOD WALL
STONE WALL
CONCRETE
BITUMINOUS
GRASS
BM #2
TNH-953.99
REFER TO 1/C100
EDGE OF BITUMINOUS
8 FT WOOD FENCE
5 FT WROUGHT IRON FENCE
OVERHANG
DECORATIVE BRICK
KEYSTONE WALL
LANDSCAPE
P O O L
CONC. RAMP
CONC. STEPS
SAN TOP=943.7 INV=935.7 NE INV=935.5 SW
SAN TOP=952.0 INV=944.5 SW INV=943.5 DIC_SL_W
SAN TOP=945.3 INV=936.3 NE
SAN TOP=943.6 INV=935.6 NE
SAN TOP=943.4 INV=935.4 NE
SAN TOP=942.8 INV=934.8 NE
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SAN TOP=935.7 INV=927.7 NE
SAN TOP=935.5 INV=927.5 NE
SAN TOP=935.3 INV=927.3 NE
SAN



1 / C200 GRADING, DRAINAGE, AND EROSION CONTROL PLAN
1" = 20'

KEYED NOTES

KEYED NOTES ARE DENOTED BY [NO] ON PLAN.

1. INSTALL CONSTRUCTION ENTRANCE. REFER TO DETAIL 1/C500.
2. INSTALL PERIMETER EROSION CONTROL. REFER TO DETAIL 3/C500 AND 4/C500.
3. INSTALL INLET SEDIMENT PROTECTION. REFER TO DETAIL 2/C500.
4. APPROXIMATE LOCATION OF TEMPORARY CONTAINED CONCRETE WASH OUT BIN. REFER TO THE MINNESOTA'S NPDES/SDS GENERAL STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY FOR MORE DETAILS. SELF CONTAINED CONCRETE WASHOUTS ON CONCRETE DELIVERY TRUCKS IS AN ACCEPTABLE ALTERNATIVE TO ON-SITE CONTAINMENT.
5. INSTALL MN/DOT 3885 CATEGORY 20 TEMPORARY STRAW FIBER EROSION CONTROL BLANKET.
7. REFER TO CITY OF EDINA INTERLACHEN BOULEVARD ROADWAY PLANS FOR SCOPE OF WORK BOTH IN THE ROADWAY AND ASSOCIATED WORK ON SITE. INCLUDING DEMOLITION, CURB AND GUTTER, PAVEMENTS, FENCE, AND ASSOCIATED GRADING. CONTRACTOR SHALL COORDINATE PROPOSED SITE WORK WITH CITY CONTRACTOR DURING CONSTRUCTION.

PROPOSED PLAN SYMBOLS

- CONSTRUCTION LIMITS
- SILTATION FENCE
- SEDIMENT CONTROL LOG
- PROPERTY LINE
- SAWCUT LINE (APPROX.)
- PROPOSED CONTOUR (927)
- STORM SEWER
- CATCH BASIN
- MANHOLE
- EROSION CONTROL BLANKET (TEMPORARY)
- ROCK CONSTRUCTION ENTRANCE
- SPOT ELEVATION (22.50)
- SOIL BORING ST-8
- CONCRETE WASHOUT AREA (CW_AREA)

ABBREVIATIONS

BLDG	Building
BM	Benchmark
BS	Bottom of Step
BW	Bottom of Wall
CB	Catch Basin
CONC	Concrete
ELEV	Elevation
EX	Existing
FFE	Finished Floor Elevation
HWL	High Water Level
INV	Invert
LFE	Lower Floor Elevation
MAX	Maximum
MH	Manhole
MIN	Minimum
NWL	Normal Water Level
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe
STRM	Storm Sewer Structure
TC	Top of Curb
TS	Top of Step
TW	Top of Wall
W.O.	Washout
WQE	Water Quality Elevation

APPROXIMATE DISTURBED AREA IS 3.56 ACRES

NOTE:
STORM SEWER INLETS NOT SHOWN ON PLAN MAY RECEIVE RUNOFF FROM CONSTRUCTION ACTIVITIES. INSTALL INLET SEDIMENT PROTECTION PER DETAIL 2/C500 ON ALL STORM INLETS THAT MAY RECEIVE RUNOFF.

REFER TO C201 FOR EROSION CONTROL NOTES.
REFER TO C201 FOR GRADING NOTES.

N

20' 10' 0 20' 40'
SCALE 1" = 20'

WALKWAY NOTES:

1. **GRADING CONTRACTOR IS TO COORDINATE WITH PAVING CONTRACTOR SO THAT ALL STEPS AND LANDINGS ARE SLOPED PER CODE.**
2. **ALL SIDEWALK LONGITUDINAL AND TRANSVERSE SLOPES ARE TO BE PER CODE.**

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BKBM Project No. 26113

project title
INTERLACHEN COUNTRY CLUB
POOL DECK
6200 INTERLACHEN BLVD
EDINA, MN 55436

client
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EDINA, MN 55436
6200 INTERLACHEN BLVD

seal

I hereby certify that this plan, specification or report 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.

NATHANIEL P. ANDERSON
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CONSTRUCTION DOCUMENTS

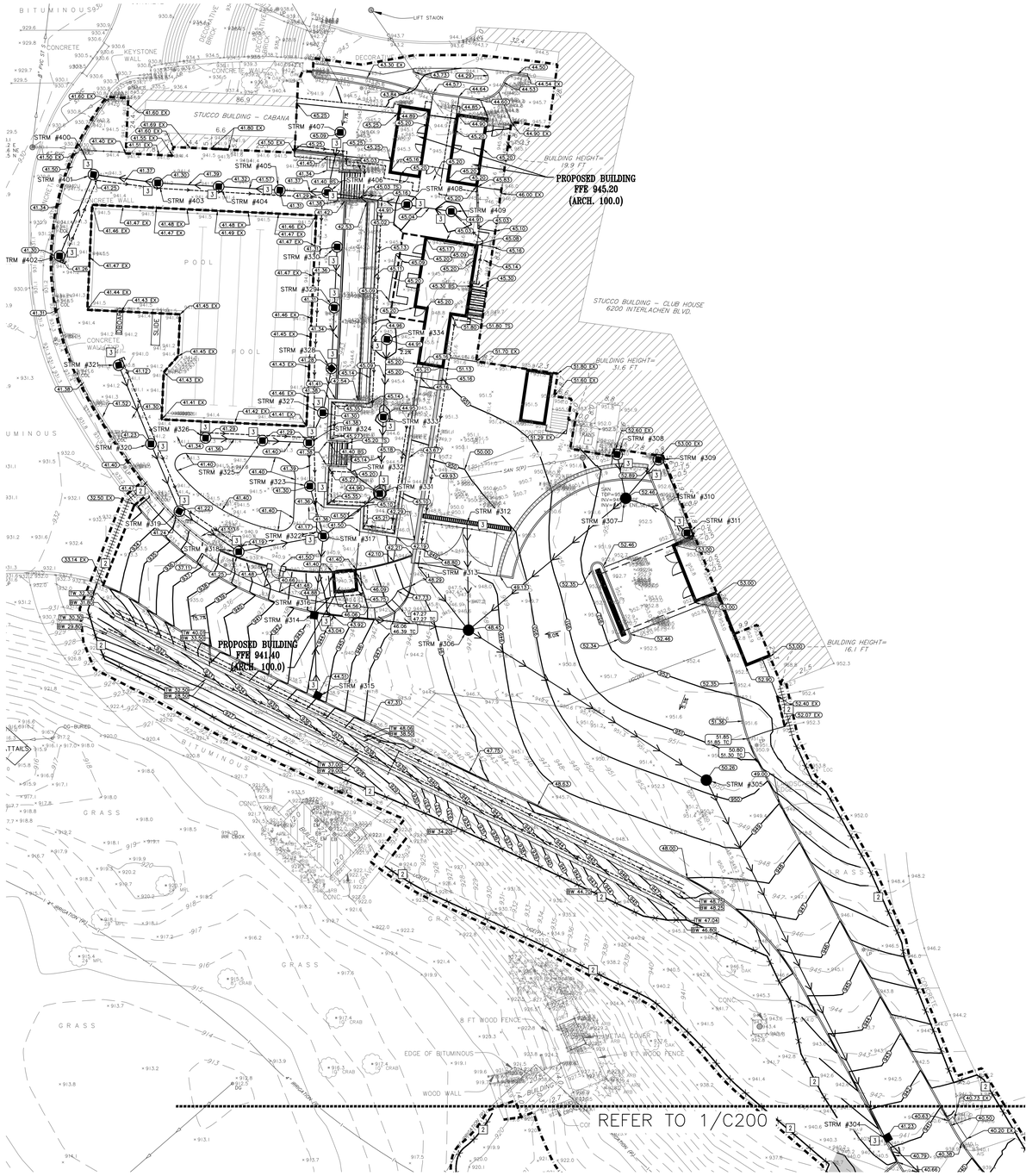
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sheet title
GRADING, DRAINAGE, AND EROSION CONTROL PLAN

C200

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1 C201 GRADING, DRAINAGE, AND EROSION CONTROL PLAN
1" = 20'

2 C201 GRADING, DRAINAGE, AND EROSION CONTROL PLAN
1" = 20'

PROPOSED PLAN SYMBOLS

- CONSTRUCTION LIMITS
- SILTATION FENCE
- SEDIMENT CONTROL LOG
- PROPERTY LINE
- SAWCUT LINE (APPROX.)
- PROPOSED CONTOUR
- STORM SEWER
- MODULAR BLOCK RETAINING WALL
- CAST IN PLACE RETAINING WALL
- SCREEN WALL
- CATCH BASIN
- MANHOLE
- EROSION CONTROL BLANKET (TEMPORARY)
- ROCK CONSTRUCTION ENTRANCE
- SPOT ELEVATION
- CONCRETE WASHOUT AREA

ABBREVIATIONS

BLDG	Building
BM	Benchmark
BS	Bottom of Step
BW	Bottom of Wall
CB	Catch Basin
CONC	Concrete
ELEV	Elevation
EX	Existing
FFE	Finished Floor Elevation
HWL	High Water Level
INV	Invert
LFE	Lower Floor Elevation
MAX	Maximum
MH	Manhole
MIN	Minimum
NWL	Normal Water Level
PVC	Polyvinyl Chloride
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STRM	Storm Sewer Structure
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NOTE:
STORM SEWER INLETS NOT SHOWN ON PLAN MAY RECEIVE RUNOFF FROM CONSTRUCTION ACTIVITIES. INSTALL INLET SEDIMENT PROTECTION PER DETAIL 2/C500 ON ALL STORM INLETS THAT MAY RECEIVE RUNOFF.

RETAINING WALL NOTES:

1. **ALL TOP AND BOTTOM ELEVATIONS CORRESPOND TO THE RESPECTIVE GRADE ELEVATIONS ON EACH SIDE OF THE WALL.**
2. **THE BOTTOM ELEVATION IS THE ELEVATION OF THE LOW-GRADE SIDE OF THE WALL, NOT THE TOP ELEVATION OF THE BURIED BLOCK COURSE.**
3. **ALL RETAINING WALLS SHALL HAVE PROTECTIVE FENCING AT THE TOP WHERE THE VERTICAL HEIGHT EXCEEDS 30 INCHES. REFER TO ARCHITECTURAL AND LANDSCAPE PLANS AND SPECIFICATIONS.**
4. **MODULAR BLOCK RETAINING WALL SHALL BE DESIGNED AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER. DESIGN CALCULATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED TO THE OWNER AND ARCHITECT AT LEAST THREE WEEKS PRIOR TO CONSTRUCTION OF WALL.**

WALKWAY NOTES:

1. **GRADING CONTRACTOR IS TO COORDINATE WITH PAVING CONTRACTOR SO THAT ALL STEPS AND LANDINGS ARE SLOPED PER CODE.**
2. **ALL SIDEWALK LONGITUDINAL AND TRANSVERSE SLOPES ARE TO BE PER CODE.**

N

20' 10' 0 20' 40'
SCALE 1" = 20'

GRADING NOTES:

1. THE CONTRACTOR SHALL VISIT THE SITE, REVIEW ALL CONSTRUCTION DOCUMENTS, AND FIELD VERIFY THE EXISTING CONDITIONS PRIOR TO BIDDING. NO ADDITIONAL COMPENSATION WILL BE GIVEN FOR WORK THAT COULD HAVE BEEN IDENTIFIED BY A SITE VISIT OR CONSTRUCTION DOCUMENT REVIEW.
2. THE BACKGROUND INFORMATION WAS PREPARED BY SUNDE LAND SURVEYING, (952) 881-2455.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION AND MARK ALL EXISTING UTILITIES 48 HOURS BEFORE CONSTRUCTION STARTS. THE ENGINEER, ARCHITECT, OR OWNER DOES NOT GUARANTEE THAT ALL THE UTILITIES ARE MAPPED, OR, IF MAPPED, ARE SHOWN CORRECTLY. CONTACT GOPHER STATE ONE CALL AT 651-454-0002 FOR FIELD LOCATING EXISTING UTILITIES. CONTACT UTILITY OWNER IF DAMAGE OCCURS DUE TO CONSTRUCTION.
4. PROTECT ALL EXISTING STRUCTURES AND UTILITIES WHICH ARE NOT SCHEDULED FOR REMOVAL.
5. NOTIFY CITY BUILDING INSPECTOR BEFORE TRENCHING AND EXCAVATION WORK COMMENCES. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS PRIOR TO START OF CONSTRUCTION.
6. ALL SPOT ELEVATIONS SHOWN AS 49.20, FOR EXAMPLE, ARE TO BE UNDERSTOOD TO MEAN 949.20.
7. ALL SPOT ELEVATIONS ALONG THE CURB-LINE INDICATE THE ELEVATION OF THE GUTTER UNLESS NOTED OTHERWISE.
8. NO LANDSCAPED SLOPES ARE TO EXCEED 3:1 (3 FEET HORIZONTAL TO 1 FOOT VERTICAL) UNLESS NOTED OTHERWISE.
9. ACCESSIBLE PARKING AREAS SHALL NOT HAVE SLOPES IN ANY DIRECTION THAT EXCEED 2%.
10. PROVIDE POSITIVE DRAINAGE FROM BUILDINGS AT ALL TIMES.
11. **UPON COMPLETION OF THE GRADING AND UTILITY WORK, THE CONTRACTOR SHALL CERTIFY THAT ALL GRADING AND UTILITY WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED GRADING AND UTILITY PERMITS. AN AS-BUILT GRADING AND UTILITY PLAN SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR HIRED BY THE CONTRACTOR. SURVEY SHALL BE PROVIDED TO CIVIL ENGINEER.**
12. PRIOR TO ISSUANCE OF BUILDING PERMITS, ALL NECESSARY EROSION CONTROL DEVICES MUST BE IN PLACE AND FUNCTIONING. THE CITY AND MINNEHAHA CREEK WATERSHED DISTRICT WILL INSPECT THE SITE TO DETERMINE ITS SUITABILITY FOR BUILDING ACTIVITIES. IF THE PUBLIC UTILITIES HAVE NOT BEEN INSTALLED AT THIS POINT, IT MAY BE NECESSARY TO WITHHOLD BUILDING PERMITS FOR VARIOUS LOTS TO ALLOW THE CONTRACTOR ADEQUATE SPACE TO PERFORM THIS WORK.
13. ALL DEBRIS CREATED IN THE PROCESS OF CLEARING AND GRADING THE SITE SHALL BE REMOVED FROM THE SITE. THIS INCLUDES TREES AND SHRUBS. UNDER NO CIRCUMSTANCES SHALL THIS TYPE OF MATERIAL BE BURIED OR BURNED ON THE SITE.
14. THE CONTRACTOR MAY STRIP AND SALVAGE TOPSOIL FOR POTENTIAL RE-SPREADING ON THE SITE, IF APPROVED BY THE LANDSCAPE ARCHITECT AND/OR SPECIFICATIONS. PRIOR TO FINAL STABILIZATION, SIX INCHES OF TOPSOIL OR ORGANIC MATERIAL IS TO BE SPREAD AND INCORPORATED IN THE UNDERLYING SOILS. SIX INCHES OF TOPSOIL – AFTER COMPACTION – SHALL BE RE-SPREAD PRIOR TO SEEDING AND MULCHING. EXCESS TOPSOIL MAY BE REMOVED FROM THE SITE PROVIDED THERE IS ADEQUATE TOPSOIL REMAINING TO PROPERLY FINISH THE SITE AS NOTED ABOVE. THE TOPSOIL STRIPPING, STOCKPILING, AND RE-SPREADING SHALL BE DONE IN ACCORDANCE WITH, AND NOTED ON, THE APPROVED GRADING PLAN AND SPECIFICATIONS. THE CONTRACTOR SHALL REFER TO THE LANDSCAPE DRAWINGS AND SPECIFICATIONS FOR ANY SPECIAL TOPSOIL OR PLANTING REQUIREMENTS.
15. ALL GRADING OPERATIONS SHALL BE CONDUCTED IN A MANNER TO MINIMIZE THE POTENTIAL FOR SITE EROSION. EROSION CONTROL MEASURES SHALL BE INSTALLED TO PREVENT SEDIMENT FROM RUNNING OFF ONTO ADJACENT PROPERTIES. ANY DAMAGE TO ADJACENT PROPERTIES MUST BE CORRECTED AND RESTORED AS SOON AS PERMISSION IS GRANTED FROM THE ADJACENT PROPERTY OWNER(S).
16. IF CONSTRUCTION OF THE SITE WORK PROCEEDS THROUGH THE WINTER MONTHS, ANY DISTURBED AREAS OUTSIDE THE BUILDING FOOTPRINTS ARE TO BE MINIMALLY STABILIZED PRIOR TO MARCH 1 AS FOLLOWS: AREAS PLANNED TO RECEIVE PAVEMENTS ARE TO HAVE CLASS 5 BASE INSTALLED; ALL OTHER DISTURBED AREAS ARE TO BE SEEDED, STRAW MULCH PLACED, AND DISC-ANCHORED.
17. WINTER MULCHING:
    - 17.A. SNOW MULCHING SHALL BE DEFINED AS MULCH MATERIAL SPREAD OVER THE TOP OF SNOW SO THAT THE MULCH MELTS THROUGH THE SNOW AND STICKS TO THE EXPOSED SOILS.
    - 17.B. FROZEN GROUND MULCHING SHALL BE DEFINED AS MULCH MATERIAL SPREAD OVER FROZEN GROUND. MULCH MATERIALS THAT DO NOT REQUIRE DISC-ANCHORING INTO THE SOIL MAY BE PLACED WITHOUT MODIFICATION. MULCH MATERIALS THAT REQUIRE DISC-ANCHORING MAY BE ANCHORED WITH HYDRAULIC SOIL STABILIZERS OR MAY BE FROZEN TO THE SOIL BY APPLYING WATER AT A RATE OF 2000 GALLONS PER ACRE OVER THE MULCH AS A SUBSTITUTION FOR DISC-ANCHORING.
18. **RETAINING WALLS AND APPROPRIATE SAFETY FENCING ALONG THE TOP OF WALLS ARE TO BE DESIGNED AND CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER. SUBMIT RETAINING WALL SHOP DRAWINGS TO PROJECT TEAM PRIOR TO CONSTRUCTION.**
19. THE CONTRACTOR SHALL LIMIT THE DISTURBED AREA AS MUCH AS POSSIBLE.

KEYED NOTES

KEYED NOTES ARE DENOTED BY [NO] ON PLAN.

[2] INSTALL PERIMETER EROSION CONTROL. REFER TO DETAIL 3/C500 AND 4/C500.

[3] INSTALL INLET SEDIMENT PROTECTION. REFER TO DETAIL 2/C500.

[4] APPROXIMATE LOCATION OF TEMPORARY CONTAINED CONCRETE WASH OUT BIN. REFER TO THE MINNESOTA'S NPDES/SDS GENERAL STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY FOR MORE DETAILS. SELF CONTAINED CONCRETE WASHOUTS ON CONCRETE DELIVERY TRUCKS IS AN ACCEPTABLE ALTERNATIVE TO ON-SITE CONTAINMENT.

[5] INSTALL MN/DOT 3885 CATEGORY 20 TEMPORARY STRAW FIBER EROSION CONTROL BLANKET.

[6] CONTRACTOR SHALL IMPORT TOPSOIL TO REPLACE REMOVED GRAVEL AND MATCH EXISTING GRADES.

[7] REFER TO CITY OF EDINA INTERLACHEN BOULEVARD ROADWAY PLANS FOR SCOPE OF WORK BOTH IN THE ROADWAY AND ASSOCIATED WORK ON SITE, INCLUDING DEMOLITION, CURB AND GUTTER, PAVEMENTS, FENCE, AND ASSOCIATED GRADING. CONTRACTOR SHALL COORDINATE PROPOSED SITE WORK WITH CITY CONTRACTOR DURING CONSTRUCTION.

EROSION CONTROL NOTES:

1. ALL EROSION CONTROL FACILITIES SHALL BE INSTALLED PRIOR TO ANY SITE GRADING OPERATIONS. THE CITY ENGINEERING DEPARTMENT AND MINNEHAHA CREEK WATERSHED DISTRICT MUST BE NOTIFIED UPON COMPLETION OF THE INSTALLATION OF THE REQUIRED EROSION CONTROL FACILITIES AND PRIOR TO ANY GRADING OPERATION BEING COMMENCED. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION GRADING MEETING ON-SITE WITH THE CITY AND MINNEHAHA CREEK WATERSHED DISTRICT. IF DAMAGED OR REMOVED DURING CONSTRUCTION, ALL EROSION CONTROL FACILITIES SHALL BE RESTORED AND IN PLACE AT THE END OF EACH DAY.
2. ANY EROSION CONTROL FACILITIES DEEMED NECESSARY BY THE CITY OR MINNEHAHA CREEK WATERSHED DISTRICT, BEFORE, DURING, OR AFTER THE GRADING ACTIVITIES, SHALL BE INSTALLED AT THEIR REQUEST.
3. NO DEVIATIONS SHALL BE MADE FROM THE ELEVATIONS SHOWN ON THE APPROVED GRADING PLAN WITHOUT PRIOR APPROVAL FROM THE CIVIL ENGINEER.
4. FOR SITES GREATER THAN 1.0 ACRE, AS REQUIRED BY THE MPCA PERMIT REQUIREMENTS, THE PERMIT APPLICANT MUST KEEP AN EROSION CONTROL INSPECTION LOG. INSPECTION MUST BE MADE ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS AFTER EVERY RAIN EVENT. THE INSPECTION RECORD MUST BE MADE AVAILABLE TO THE CITY AND MINNEHAHA CREEK WATERSHED DISTRICT WITHIN 24 HOURS OF REQUEST.
5. FLOWS FROM DIVERSION CHANNELS OR PIPES (TEMPORARY OR PERMANENT) SHALL BE ROUTED TO SEDIMENTATION BASINS OR APPROPRIATE ENERGY DISSIPATERS TO PREVENT TRANSPORT OF SEDIMENT TO OUTFLOW TO LATERAL CONVEYORS AND TO PREVENT EROSION AND SEDIMENTATION WHEN RUNOFF FLOWS INTO THESE CONVEYORS.
6. SITE ACCESS ROADS SHALL BE GRADED OR OTHERWISE PROTECTED WITH SILT FENCES, DIVERSION CHANNELS, OR DIKES AND PIPES TO PREVENT SEDIMENT FROM EXITING THE SITE VIA THE ACCESS ROADS. SITE-ACCESS ROADS/DRIVEWAYS SHALL BE SURFACED WITH CRUSHED ROCK WHERE THEY ADJOIN EXISTING PAVED ROADWAYS.
7. SOILS TRACKED FROM THE SITE BY MOTOR VEHICLES OR EQUIPMENT SHALL BE CLEANED DAILY FROM PAVED ROADWAY SURFACES, OR MORE FREQUENTLY IF REQUESTED BY THE CITY OR MINNEHAHA CREEK WATERSHED DISTRICT, THROUGHOUT THE DURATION OF CONSTRUCTION.
8. DUST CONTROL MEASURES SHALL BE PERFORMED PERIODICALLY WHEN CONDITIONS REQUIRE AND/OR AS DIRECTED BY THE CITY OR MINNEHAHA CREEK WATERSHED DISTRICT.
9. ALL EROSION CONTROL MEASURES SHALL BE USED AND MAINTAINED FOR THE DURATION OF SITE CONSTRUCTION. IF CONSTRUCTION OPERATIONS OR NATURAL EVENTS DAMAGE OR INTERFERE WITH THESE EROSION CONTROL MEASURES, THEY SHALL BE RESTORED TO SERVE THEIR INTENDED FUNCTION AT THE END OF EACH DAY OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
10. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED AS SOON AS POSSIBLE. ANY AREAS WHICH HAVE BEEN FINISHED GRADED OR AREAS THAT HAVE BEEN DISTURBED AND FOR WHICH GRADING OR SITE BUILDING CONSTRUCTION OPERATIONS ARE NOT ACTIVELY UNDERWAY SHALL BE SEEDED AND MULCHED AS SET FORTH IN THE FOLLOWING PARAGRAPHS WITHIN 7 DAYS:
    - A. ALL SEEDED AREAS SHALL BE EITHER MULCHED AND DISC-ANCHORED OR COVERED BY FIBROUS BLANKETS TO PROTECT SEEDS AND LIMIT EROSION. TEMPORARY STRAW MULCH SHALL BE DISC-ANCHORED AND APPLIED AT A UNIFORM RATE OF NOT LESS THAN TWO TONS PER ACRE AND NOT LESS THAN 80% COVERAGE.
    - B. IF THE GRADED AREA IS ANTICIPATED TO BE RE-DISTURBED/DEVELOPED WITHIN SIX MONTHS, PROVIDE A TEMPORARY VEGETATIVE COVER CONSISTING OF MINNESOTA DEPARTMENT OF TRANSPORTATION (MNDOT) SEED MIXTURE O (OATS), OR WW (WINTER WHEAT), AT A RATE OF 100 POUNDS PER ACRE.
    - C. IF GRADED AREA WILL NOT BE DEVELOPED FOR A PERIOD GREATER THAN SIX MONTHS, PROVIDE A SEMI-PERMANENT VEGETATIVE COVER OF SEED MIXTURE MNDOT TCC (TWO YEAR COVER) AT A RATE OF 25 POUNDS PER ACRE.
    - D. GRADING BONDS OR THE EQUIVALENT SECURITIES SHALL BE RETAINED UNTIL TURF HAS GERMINATED AND SURVIVED A 60-DAY GROWING PERIOD.
    - E. UNLESS SPECIFIED ELSEWHERE WITHIN THE CONSTRUCTION DOCUMENTS (I.E. ARCHITECTURAL SITE PLAN OR LANDSCAPE PLAN), PERMANENT TURF RESTORATION SHALL CONSIST OF SOD.
    - F. WHENEVER OTHER EROSION AND SEDIMENT CONTROL PRACTICES ARE INADEQUATE, TEMPORARY ON-SITE SEDIMENT BASINS THAT CONFORM TO THE CRITERIA FOR ON-SITE DETENTION BASINS SHALL BE PROVIDED.
    - G. MULCH, HYDROMULCH, AND TACKIFIERS MAY NOT BE USED FOR STABILIZATION IN SWALES OR DRAINAGE DITCHES UNLESS THE LONGITUDINAL SLOPE IS LESS THAN 2 PERCENT.
    - H. RUNOFF SHALL BE PREVENTED FROM ENTERING ALL STORM SEWER CATCH BASINS PROVIDING THEY ARE NOT NEEDED DURING CONSTRUCTION. WHERE STORM SEWER CATCH BASINS ARE NECESSARY FOR SITE DRAINAGE DURING CONSTRUCTION, SEDIMENT PROTECTION DEVICES AS DETAILED SHALL BE INSTALLED AND MAINTAINED AROUND ALL CATCH BASINS UNTIL THE TRIBUTARY AREA TO THE CATCH BASIN IS RESTORED.
11. GRADING ACTIVITIES PROPOSED TO BEGIN AFTER OCTOBER 15 WILL REQUIRE AN APPROVED PHASING SCHEDULE. THE AREA OF LAND THAT THE CITY WILL ALLOW TO BE DISTURBED AT THIS TIME OF YEAR WILL BE SEVERELY LIMITED. THE CITY WILL ALSO REQUIRE ADDITIONAL EROSION CONTROL DEVICES, I.E., TEMPORARY SEDIMENT BASINS, DORMANT SEEDING AND HIGH RATES OF APPLICATION OF BOTH SEED AND MULCH.
12. TO MINIMIZE EROSION, ALL 3:1 SLOPES SHALL BE COVERED WITH A MN/DOT 3885 CATEGORY 20 STRAW EROSION CONTROL BLANKETS OR STAKED SOD.
13. ACCUMULATION OF ALL SEDIMENT OCCURRING IN STORM SEWERS, CURB LINES, AND DITCHES SHALL BE REMOVED PRIOR TO, DURING, AND AFTER COMPLETION OF GRADING ACTIVITIES.
14. EROSION CONTROL ITEMS AND DEVICES SHALL BE REMOVED ONLY AFTER THE AREA HAS RECEIVED FINAL STABILIZATION OR AS DIRECTED BY THE CITY AND/OR MINNEHAHA CREEK WATERSHED DISTRICT.

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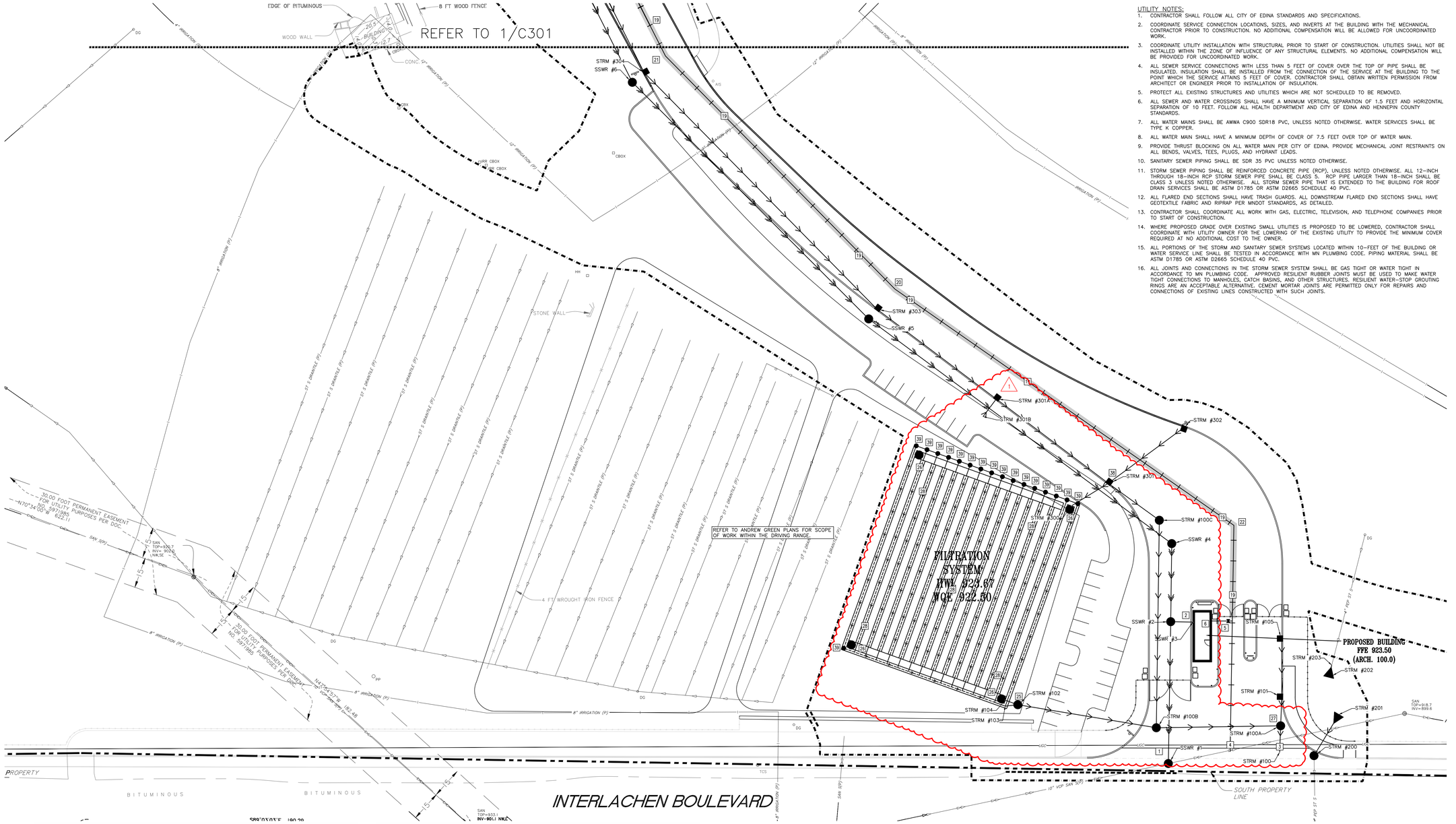
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sheet title
GRADING, DRAINAGE, AND EROSION CONTROL PLAN

C201

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UTILITY NOTES:

1. CONTRACTOR SHALL FOLLOW ALL CITY OF EDINA STANDARDS AND SPECIFICATIONS.
2. COORDINATE SERVICE CONNECTION LOCATIONS, SIZES, AND INVERTS AT THE BUILDING WITH THE MECHANICAL CONTRACTOR PRIOR TO CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR UNCOORDINATED WORK.
3. COORDINATE UTILITY INSTALLATION WITH STRUCTURAL PRIOR TO START OF CONSTRUCTION. UTILITIES SHALL NOT BE INSTALLED WITHIN THE ZONE OF INFLUENCE OF ANY STRUCTURAL ELEMENTS. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR UNCOORDINATED WORK.
4. ALL SEWER SERVICE CONNECTIONS WITH LESS THAN 5 FEET OF COVER OVER THE TOP OF PIPE SHALL BE INSULATED. INSULATION SHALL BE INSTALLED FROM THE CONNECTION OF THE SERVICE AT THE BUILDING TO THE POINT WHICH THE SERVICE ATTAINS 5 FEET OF COVER. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM ARCHITECT OR ENGINEER PRIOR TO INSTALLATION OF INSULATION.
5. PROTECT ALL EXISTING STRUCTURES AND UTILITIES WHICH ARE NOT SCHEDULED TO BE REMOVED.
6. ALL SEWER AND WATER CROSSINGS SHALL HAVE A MINIMUM VERTICAL SEPARATION OF 1.5 FEET AND HORIZONTAL SEPARATION OF 10 FEET. FOLLOW ALL HEALTH DEPARTMENT AND CITY OF EDINA AND HENNEPIN COUNTY STANDARDS.
7. ALL WATER MAINS SHALL BE AWWA C900 SDR18 PVC, UNLESS NOTED OTHERWISE. WATER SERVICES SHALL BE TYPE K COPPER.
8. ALL WATER MAIN SHALL HAVE A MINIMUM DEPTH OF COVER OF 7.5 FEET OVER TOP OF WATER MAIN.
9. PROVIDE THRUST BLOCKING ON ALL WATER MAIN PER CITY OF EDINA. PROVIDE MECHANICAL JOINT RESTRAINTS ON ALL BENDS, VALVES, TEES, PLUGS, AND HYDRANT LEADS.
10. SANITARY SEWER PIPING SHALL BE SDR 35 PVC UNLESS NOTED OTHERWISE.
11. STORM SEWER PIPING SHALL BE REINFORCED CONCRETE PIPE (RCP), UNLESS NOTED OTHERWISE. ALL 12-INCH THROUGH 18-INCH RCP STORM SEWER PIPE SHALL BE CLASS 5. RCP PIPE LARGER THAN 18-INCH SHALL BE CLASS 3 UNLESS NOTED OTHERWISE. ALL STORM SEWER PIPE THAT IS EXTENDED TO THE BUILDING FOR ROOF DRAIN SERVICES SHALL BE ASTM D1785 OR ASTM D2665 SCHEDULE 40 PVC.
12. ALL FLARED END SECTIONS SHALL HAVE TRASH GUARDS. ALL DOWNSTREAM FLARED END SECTIONS SHALL HAVE GEOTEXTILE FABRIC AND RIPRAP PER MNDOT STANDARDS, AS DETAILED.
13. CONTRACTOR SHALL COORDINATE ALL WORK WITH GAS, ELECTRIC, TELEVISION, AND TELEPHONE COMPANIES PRIOR TO START OF CONSTRUCTION.
14. WHERE PROPOSED GRADE OVER EXISTING SMALL UTILITIES IS PROPOSED TO BE LOWERED, CONTRACTOR SHALL COORDINATE WITH UTILITY OWNER FOR THE LOWERING OF THE EXISTING UTILITY TO PROVIDE THE MINIMUM COVER REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
15. ALL PORTIONS OF THE STORM AND SANITARY SEWER SYSTEMS LOCATED WITHIN 10-FEET OF THE BUILDING OR WATER SERVICE LINE SHALL BE TESTED IN ACCORDANCE WITH MN PLUMBING CODE. PIPING MATERIAL SHALL BE ASTM D1785 OR ASTM D2665 SCHEDULE 40 PVC.
16. ALL JOINTS AND CONNECTIONS IN THE STORM SEWER SYSTEM SHALL BE GAS TIGHT OR WATER TIGHT IN ACCORDANCE TO MN PLUMBING CODE. APPROVED RESILIENT RUBBER JOINTS MUST BE USED TO MAKE WATER TIGHT CONNECTIONS TO MANHOLES, CATCH BASINS, AND OTHER STRUCTURES. RESILIENT WATER-STOP GROUTING RINGS ARE AN ACCEPTABLE ALTERNATIVE. CEMENT MORTAR JOINTS ARE PERMITTED ONLY FOR REPAIRS AND CONNECTIONS OF EXISTING LINES CONSTRUCTED WITH SUCH JOINTS.

1

STORM SEWER TABLE

STRUCTURE ID	STRUCTURE DIMENSION (INCHES)	NEENAH CASTING TYPE	RIM ELEVATION	INVERT ELEVATION(S)	PIPE LENGTH, DIAMETER, SLOPE & NEXT UPSTREAM STRUCTURE
STRM #100	SERVICE CONNECTION	NA		N = 916.06	13 L.F. OF 15" RCP @ 1.00%, STRM #100A
STRM #100A	48" SUMP MH	R-1733	921.53	S = 916.19 N = 917.80 W = 916.35	--------- 14 L.F. OF 15" RCP @ 2.00%, STRM #101 60 L.F. OF 15" PVC @ 1.00%, STRM #100B
STRM #100B	48" MH	R-1733	923.11	E = 916.95 W = 916.95 N = 916.95	--------- 68 L.F. OF 12" RCP @ 1.03%, STRM #102 101 L.F. OF 15" RCP @ 4.26%, STRM #100C
STRM #100C	48" MH	R-1733	925.23	S = 921.23 NW = 921.23	--------- 31 L.F. OF 15" RCP @ 4.85%, STRM #301
STRM #101	48" CB MH	R-3067	921.85	S = 918.08 N = 918.08	--------- 28 L.F. OF 12" RCP @ 2.00%, STRM #105
STRM #102	48" WEIR MH	R-1733	928.10	E = 917.65 W = 919.94 W = 917.65	--------- 6 L.F. OF 18" RCP @ 1.00%, STRM #104 6 L.F. OF 4" PVC @ 1.69%, STRM #103
STRM #103	DRAIN TILE CONNECTION	NA		E = 917.75	---------
STRM #104	TANK CONNECTION	NA		E = 920.00	---------
STRM #105	27" CB	R-3067	922.24	S = 918.64	---------
STRM #200	48" MH	R-1733	920.89	S = 916.30 NE = 916.30	--------- 23 L.F. OF 12" RCP @ 0.43%, STRM #201
STRM #201	12" FES	NA		SW = 916.40	---------
STRM #202	MITERED PIPE END WITH GUARD	NA		N = 916.45	6 L.F. OF 4" PVC @ 0.50%, STRM #203
STRM #203	STORM SEWER CONNECTION	NA		S = 916.48	---------
STRM #300	TANK CONNECTION	NA		NE = 922.50	21 L.F. OF 18" RCP @ 1.00%, STRM #301
STRM #301	72" SUMP CB MH	R-3067	926.37	SW = 922.71 SE = 922.71 NE = 922.74 NW = 922.94	--------- --------- 46 L.F. OF 12" PVC @ 1.00%, STRM #302 68 L.F. OF 15" RCP @ 3.04%, STRM #301A
STRM #301A	48" CB MH	R-3067	929.89	SE = 925.00 NW = 926.42 SW = 925.00	--------- 72 L.F. OF 15" RCP @ 5.12%, STRM #303 11 L.F. OF 12" RCP @ 2.32%, STRM #301B
STRM #301B	15" STUB	NA		NE = 925.25	---------

STORM SEWER TABLE

STRUCTURE ID	STRUCTURE DIMENSION (INCHES)	NEENAH CASTING TYPE	RIM ELEVATION	INVERT ELEVATION(S)	PIPE LENGTH, DIAMETER, SLOPE & NEXT UPSTREAM STRUCTURE
STRM #302	24"x36" CB	R-3067	925.94	SW = 923.20	---------
STRM #303	48" CB MH	R-3067	933.64	SE = 930.11 NW = 930.11	--------- 161 L.F. OF 15" RCP @ 1.00%, STRM #304
STRM #304	48" CB MH	R-3067	941.23	SE = 931.72 NW = 931.72	--------- 152 L.F. OF 15" RCP @ 1.00%, STRM #305

SANITARY SEWER TABLE

STRUCTURE ID	STRUCTURE DIMENSION (INCHES)	NEENAH CASTING TYPE	RIM ELEVATION	INVERT ELEVATION(S)	PIPE LENGTH, DIAMETER, SLOPE & NEXT UPSTREAM STRUCTURE
SSWR #1	48" MH	R-1733	922.47	E = 900.02 W = 900.02 N = 913.66	--------- --------- 69 L.F. OF 8" PVC @ 2.10%, SSWR #2
SSWR #2	48" MH	R-1733	923.69	S = 915.10 N = 917.10 E = 917.10	--------- 38 L.F. OF 8" PVC @ 2.10%, SSWR #4 11 L.F. OF 4" PVC @ 2.10%, SSWR #3
SSWR #3	SANITARY SEWER CONNECTION	NA		W = 917.32	---------
SSWR #4	48" MH	R-1733	924.63	S = 917.90 NW = 918.00	--------- 183 L.F. OF 8" PVC @ 5.00%, SSWR #5
SSWR #5	48" MH	R-1733	932.38	SE = 927.13 NW = 927.23	--------- 162 L.F. OF 8" PVC @ 2.10%, SSWR #6
SSWR #6	48" MH	R-1733	941.00	SE = 930.63 NW = 930.73	--------- 147 L.F. OF 8" PVC @ 2.10%, SSWR #7

1 C300 UTILITY PLAN
1" = 20'

KEYED NOTES

KEYED NOTES ARE DENOTED BY [NO] ON PLAN.

1. CONTRACTOR SHALL INSTALL OUTSIDE DROP MANHOLE PER DETAIL 5/C503. MANHOLE SHALL BE INSTALLED IN LINE WITH EXISTING 10-INCH VCP. APPROXIMATE INVERT OF EXISTING PIPE IS 900.02. PRIOR TO INSTALLATION OF MANHOLE, CONTRACTOR SHALL CONTACT CIVIL ENGINEER WITH EXACT INVERT ELEVATION.
2. LOCATION OF PROPOSED SANITARY SEWER SERVICE. REFER TO SANITARY SEWER TABLE FOR INVERT ELEVATIONS AND PIPE SIZES. **COORDINATE EXACT LOCATION, SIZE, AND INVERT ELEVATION WITH MECHANICAL CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.**
3. CONNECT TO EXISTING STORM SEWER. IF STORM SEWER IS NOT INSTALLED, CONTRACTOR SHALL INSTALL STORM SEWER, CAP OPEN END OF PIPE AND PROVIDE A STAKE AT GRADE FOR FUTURE CONNECTION. IF STORM SEWER IS INSTALLED, CONTRACTOR SHALL REMOVE EXISTING CAP AND CONNECT TO EXISTING STORM SEWER. FOLLOW ALL CITY OF EDINA STANDARDS AND SPECIFICATIONS.
4. CONNECT TO EXISTING WATERMAIN. IF WATERMAIN IS NOT INSTALLED, CONTRACTOR SHALL INSTALL WATERMAIN, CAP OPEN END OF PIPE AND PROVIDE A STAKE AT GRADE FOR FUTURE CONNECTION. IF WATERMAIN IS INSTALLED, CONTRACTOR SHALL REMOVE EXISTING CAP AND CONNECT TO EXISTING WATERMAIN. FOLLOW ALL CITY OF EDINA STANDARDS AND SPECIFICATIONS.
5. INSTALL 1-INCH CORPORATION STOP AND CURB BOX. **PRIOR TO INSTALLATION OF CORPORATION STOP, CONTRACTOR SHALL CONFIRM SIZE OF SERVICE NEEDED FOR PROPOSED GUARD SHACK.**
6. STUB 1-INCH TYPE K COPPER WATER SERVICE TO BUILDING. **COORDINATE EXACT LOCATION, SIZE, AND INVERT ELEVATION WITH MECHANICAL CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.**

19 **BID ALTERNATE: INSTALL 6-INCH DIP WATERLINE.**

20 **BID ALTERNATE: INSTALL 6-INCH 11.25-DEGREE BEND WITH THRUST BLOCKING.**

21 **BID ALTERNATE: INSTALL 6-INCH 22.5-DEGREE BEND WITH THRUST BLOCKING.**

22 **BID ALTERNATE: INSTALL 6-INCH 45-DEGREE AND 11.25-DEGREE BEND WITH THRUST BLOCKING.**

25 INSTALL STORM SEWER MANHOLE WITH WEIR. REFER TO DETAIL 9/C501.

26 INSTALL ACCESS RISER AND COVER.

27 INSTALL SUMP CATCH BASIN WITH SNOUT, ENVIROHOOD, SAFLE BAFFLE OR APPROVED EQUAL. REFER TO DETAIL 9/C500.

1 28 INSTALL FILTRATION SYSTEM PER DETAIL 8/C501. FILTRATION SYSTEM SHALL HAVE A FILTRATION VOLUME OF 13,459 CUBIC FEET, A TOTAL VOLUME OF 19,581 CUBIC FEET, AND MEET THE RATE CONTROL REQUIREMENTS INDICATED ON SHEET C600. SYSTEM FOOTPRINT IS BASED ON HDPE PIPE DESIGN. ANY ALTERNATE DESIGNS MUST BE APPROVED BY CIVIL ENGINEER PRIOR TO CONSTRUCTION. THE ROW THE 18-INCH INLET PIPE DISCHARGES TO SHALL BE ISOLATED FROM THE HEADER ROW AS SHOWN IN 1/C300.

38 INSTALL HIGH FLOW BYPASS WEIR MANHOLE. REFER TO DETAIL 9/C503.

39 INSTALL CLEAN OUT. REFER TO DETAIL 8/C503.

PROPOSED PLAN SYMBOLS

CONSTRUCTION LIMITS
PROPERTY LINE
SAWCUT LINE (APPROX.)
SANITARY SEWER
WATER PIPE
ALTERNATE BID: WATER PIPE
STORM SEWER
GATE VALVE
CATCH BASIN
MANHOLE

NOTE:
PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL POTHOLE AND DETERMINE THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES. CONTACT CIVIL ENGINEER IF EXISTING UTILITIES TO REMAIN WILL BE IMPACTED BY PROPOSED WORK.

ABBREVIATIONS

BLDG	Building
BM	Benchmark
CB	Catch Basin
CONC	Concrete
DIP	Ductile Iron Pipe
ELEV	Elevation
EX	Existing
FFE	Finished Floor Elevation
HDPE	High Density Polyethylene
INV	Invert
MAX	Maximum
MH	Manhole
MIN	Minimum
PIV	Post Indicator Valve
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe
RD	Roof Drain
WQE	Water Quality Elevation

NOTE:
WHERE PROPOSED GRADE OVER EXISTING SMALL UTILITIES IS PROPOSED TO BE LOWERED, CONTRACTOR SHALL COORDINATE WITH UTILITY OWNER FOR THE LOWERING OF THE EXISTING UTILITY TO PROVIDE THE MINIMUM COVER REQUIRED AT NO ADDITIONAL COST TO THE OWNER.

N

20' 10' 0 20' 40'
SCALE 1" = 20'

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BKBM Project No. 26113

project title
INTERLACHEN COUNTRY CLUB
POOL DECK
6200 INTERLACHEN BLVD
EDINA, MN 55436

client
INTERLACHEN COUNTRY CLUB
EDINA, MN 55436
6200 INTERLACHEN BLVD

seal

I hereby certify that this plan, specification or report 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.

NATHANIEL P. ANDERSON
PRINTED NAME
SIGNATURE
2026-05-12
DATE ISSUED
59311
REG. NO.

BID / PERMIT SET
CONSTRUCTION DOCUMENTS

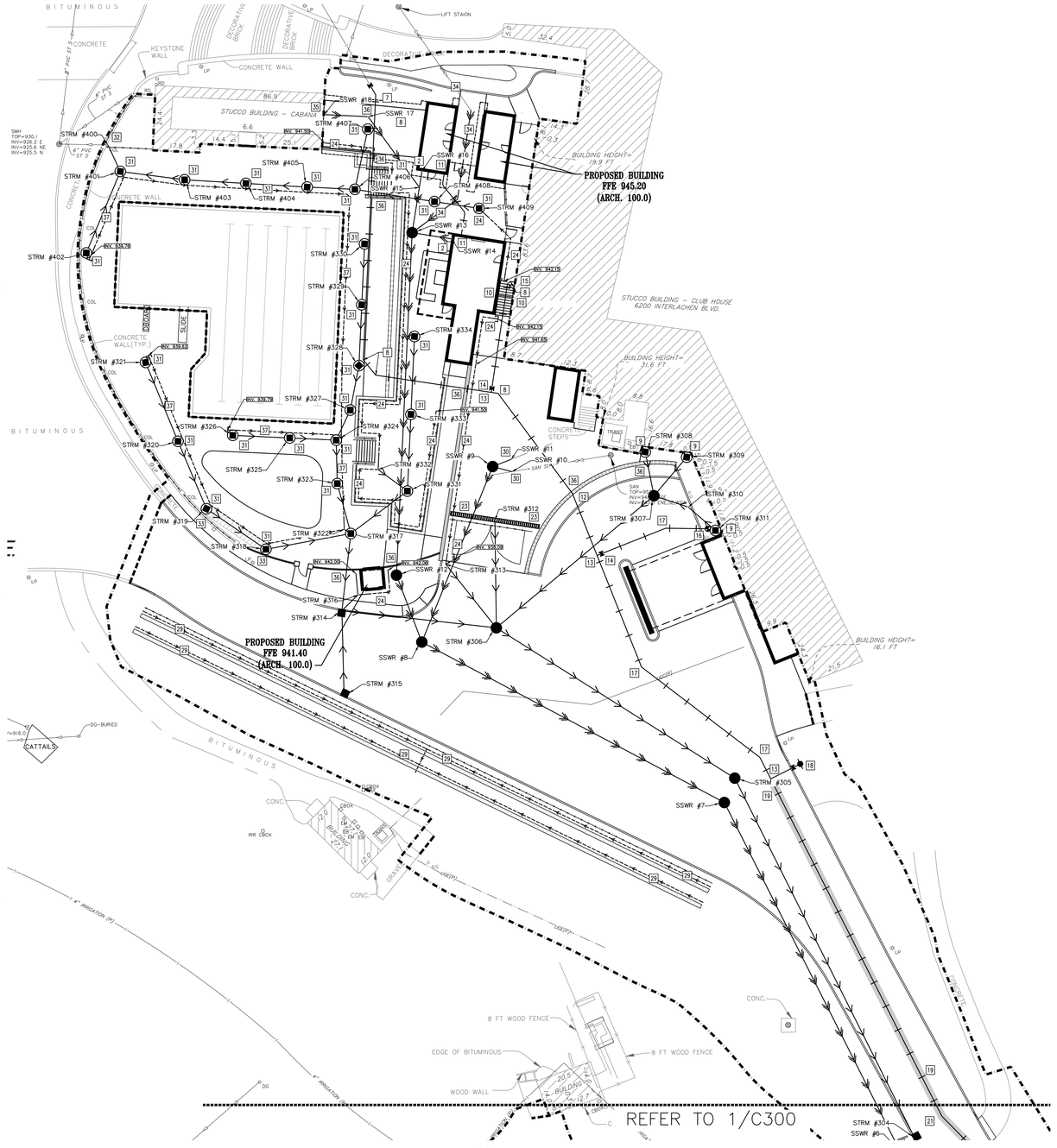
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1	06/19/2026	Watershed Comments

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8566.20	2026-05-12
drawn	checked
WH	KAB

sheet title
UTILITY PLAN

C300

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1 C301 UTILITY PLAN
1" = 20'

PROPOSED PLAN SYMBOLS

- CONSTRUCTION LIMITS
- PROPERTY LINE
- SAWCUT LINE (APPROX.)
- SANITARY SEWER
- WATER PIPE
- ALTERNATE BID: WATER PIPE
- STORM SEWER
- RETAINING WALL
- FIRE HYDRANT
- POST–INDICATOR VALVE
- GATE VALVE
- CLEANOUT
- CATCH BASIN
- MANHOLE
- PIPE INSULATION

NOTE:
PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL POTHOLE AND DETERMINE THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES. CONTACT CIVIL ENGINEER IF EXISTING UTILITIES TO REMAIN WILL BE IMPACTED BY PROPOSED WORK.

ABBREVIATIONS

BLDG	Building
BM	Benchmark
CB	Catch Basin
CONC	Concrete
DIP	Ductile Iron Pipe
ELEV	Elevation
EX	Existing
FFE	Finished Floor Elevation
HDPE	High Density Polyethylene
INV	Invert
MAX	Maximum
MH	Manhole
MIN	Minimum
PIV	Post Indicator Valve
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe
RD	Roof Drain
WQE	Water Quality Elevation

NOTE:
WHERE PROPOSED GRADE OVER EXISTING SMALL UTILITIES IS PROPOSED TO BE LOWERED, CONTRACTOR SHALL COORDINATE WITH UTILITY OWNER FOR THE LOWERING OF THE EXISTING UTILITY TO PROVIDE THE MINIMUM COVER REQUIRED AT NO ADDITIONAL COST TO THE OWNER.

REFER TO C300 FOR UTILITY NOTES.

KEYED NOTES

KEYED NOTES ARE DENOTED BY [NO] ON PLAN.

[2] LOCATION OF PROPOSED SANITARY SEWER SERVICE. REFER TO SANITARY SEWER TABLE FOR INVERT ELEVATIONS AND PIPE SIZES. **COORDINATE EXACT LOCATION, SIZE, AND INVERT ELEVATION WITH MECHANICAL CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.**

[7] CONNECT TO EXISTING 6–INCH HDPE WATERMAIN WITH 6–INCH GATE VALVE.

[8] INSTALL 6–INCH 45–DEGREE BEND WITH THRUST BLOCKING.

[9] INSTALL DOWNSPOUT COLLECTOR. REFER TO DETAIL 1/C503.

[10] INSTALL 2–INCH COPPER SERVICE FROM CLUBHOUSE TO PROPOSED BUILDING. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL AND STRUCTURAL PLANS PRIOR TO THE START OF CONSTRUCTION. MINIMUM COVER OVER TOP OF SERVICE SHALL BE 36–INCHES.

[11] INSTALL 2–INCH COPPER SERVICE BEWTEEN BUILDINGS. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL AND STRUCTURAL PLANS PRIOR TO THE START OF CONSTRUCTION. MINIMUM COVER OVER TOP OF SERVICE SHALL BE 36–INCHES.

[12] INSTALL 6–INCH 11.25–DEGREE BEND WITH THRUST BLOCKING.

[13] INSTALL 6–INCH BY 6–INCH TEE.

[14] INSTALL 6–INCH GATE VALVE. REFER TO DETAIL 2/C501.

[15] STUB 6–INCH DOMESTIC WATERLINE TO WITHIN 5–FEET OF THE PROPOSED BUILDING. TOP OF WATER SERVICE SHALL BE 7.5 FEET BELOW FINISHED GRADE AT THE PROPOSED CONNECTION POINT. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL AND STRUCTURAL PLANS PRIOR TO THE START OF CONSTRUCTION.

[16] INSTALL POST INDICATOR VALVE. REFER TO DETAIL 7/C501.

[17] INSTALL 6–INCH 22.5–DEGREE BEND WITH THRUST BLOCKING.

[18] INSTALL FIRE HYDRANT, HYDRANT LEAD, AND GATE VALVE. REFER TO DETAIL 3/C501.

[19] **BID ALTERNATE: INSTALL 6–INCH DIP WATERLINE.**

[23] INSTALL TRENCH DRAIN. REFER TO DETAIL 10/C500.

[24] INSTALL PERIMETER DRAIN TILE. REFER TO DETAIL 13/C502. PROVIDE SOLID PIPE AND WATER TIGHT CONNECTIONS TO 10–FEET OF EITHER SIDE OF ALL WATER CROSSINGS PER MN PLUMBING CODE.

[29] DRAIN TILE SHOWN FOR REFERENCE ONLY. ACTUAL DRAIN TILE LAYOUT/DESIGN SHALL BE BY WALL DESIGNER.

[30] EXISTING INVERT AND SIZE OF SANITARY SERVICE IS UNKNOWN. PRIOR TO THE START OF CONSTRUCTION CONTRACTOR SHALL INVESTIGATE AND DETERMINE INVERT ELEVATION AND SIZE AND NOTIFY CIVIL ENGINEER WITH FINDINGS. CONTRACTOR SHALL MAKE CONNECTION BETWEEN SERVICE AND DOWNSTREAM SANITARY SEWER MANHOLE.

[31] INSTALL AREA DRAIN. REFER TO DETAIL 2/C503.

[32] CONTRACTOR SHALL MAKE CONNECTION TO EXISTING 6–INCH PVC STORM SEWER. EXACT LOCATION AND INVERT IS UNKNOWN. DURING STORM SEWER DEMOLITION WORK CONTRACTOR SHALL DETERMINE THE LOCATION AND INVERT AND INFORM ENGINEER WITH FINDINGS.

[33] INSTALL 4" RIGID INSULATION BETWEEN EXISTING RETAINING WALL AND PROPOSED STORM SEWER PIPE AND STORM SEWER STRUCTURES TO THE APPROXIMATE EXTENTS SHOWN.

[34] EXACT ROUTING OF EXISTING SEWER LINE SERVICING LIFT STATION TO NORTH OF PROJECT IS UNKNOWN. CONTRACTOR SHALL FIELD LOCATE EXISTING SEWER LINE AND CONTACT ENGINEER WITH EXACT LOCATION AND INVERT ELEVATIONS. INTENT IS TO CONNECT TO GRAVITY FED SANITARY SEWER AT SSWR #13.

[35] COORDINATE WITH MECHANICAL CONTRACTOR FOR PROPOSED SANITARY SEWER CONNECTION TO EXISTING CABANA BUILDING. EXACT LOCATION, INVERT, AND SIZE OF THE EXISTING SERVICE IS UNKNOWN. INTENT IS TO CONNECT EXISTING CABANA BUILDING SERVICE TO SSWR #13. CONTACT CIVIL ENGINEER WITH FINDINGS.

[36] COORDINATE PIPE PENETRATIONS THROUGH SITE WALLS WITH STRUCTURAL PRIOR TO THE START OF CONSTRUCTION. NO UTILITIES SHALL BE WITHIN THE ZONE OF INFLUENCE OF ANY STRUCTURAL ELEMENTS (BUILDINGS, WALLS, FOUNDATIONS, ETC.).

[37] **BID ALTERNATE: DRAIN TILE IN POOL DECK AREA. REFER TO DETAIL 7/C503.**

N

20' 10' 0 20' 40'
SCALE 1" = 20'

STORM SEWER TABLE

STRUCTURE ID	STRUCTURE DIMENSION (INCHES)	NEENAH CASTING TYPE	RIM ELEVATION	INVERT ELEVATION(S)	PIPE LENGTH, DIAMETER, SLOPE & NEXT UPSTREAM STRUCTURE
STRM #304	48" CB MH	R–3067	941.23	SE = 931.72 NW = 931.72	--------- 152 L.F. OF 15" RCP @ 1.00%, STRM #305
STRM #305	48" MH	R–1733	950.26	SE = 933.24 NW = 933.24	--------- 106 L.F. OF 15" RCP @ 1.00%, STRM #306
STRM #306	48" MH	R–1733	948.45	SE = 934.30 NW = 936.89 W = 934.30 N = 945.80 NE = 944.60	--------- 31 L.F. OF 4" PVC @ 1.00%, STRM #313 59 L.F. OF 12" RCP @ 1.00%, STRM #314 41 L.F. OF 8" PVC @ 0.68%, STRM #312 78 L.F. OF 12" PVC @ 1.12%, STRM #307
STRM #307	48" MH	R–1733	952.46	SW = 945.47 NE = 949.33 E = 947.17 N = 949.44	--------- 19 L.F. OF 8" PVC @ 0.59%, STRM #309 14 L.F. OF 8" PVC @ 14.87%, STRM #310 17 L.F. OF 8" PVC @ 0.93%, STRM #308
STRM #308	AREA DRAIN	8" DURACAST IN–LINE GRATE	952.29	S = 949.60	---------
STRM #309	AREA DRAIN	8" DURACAST IN–LINE GRATE	952.80	SW = 949.44	---------
STRM #310	11.25° BEND	NA		W = 949.19 SE = 949.19	--------- 14 L.F. OF 8" PVC @ 1.24%, STRM #311
STRM #311	AREA DRAIN	8" DURACAST IN–LINE GRATE	952.83	NW = 949.36	---------
STRM #312	TRENCH DRAIN	SEE DETAIL	949.58	S = 946.08	---------
STRM #313	DRAIN TILE CONNECTION	NA		SE = 937.20	---------
STRM #314	48" CB MH	R–3067	943.04	E = 934.89 S = 939.41 NE = 940.54 N = 935.44	--------- 32 L.F. OF 12" RCP @ 5.00%, STRM #315 9 L.F. OF 12" RCP @ 10.16%, STRM #316 29 L.F. OF 12" PVC @ 1.00%, STRM #317
STRM #315	24"x36" CB	R–3067	944.51	N = 941.01	---------
STRM #316	4–INCH PVC WYE	NA		SW = 941.40	---------
STRM #317	48" CB MH	R–3067	941.17	S = 935.73 W = 936.53 NE = 935.73 N = 936.53 NW = 939.14	--------- 33 L.F. OF 6" PVC @ 1.00%, STRM #318 27 L.F. OF 8" PVC @ 1.00%, STRM #331 20 L.F. OF 8" PVC @ 1.00%, STRM #323 3 L.F. OF 4" PVC @ 1.00%, STRM #322
STRM #318	6" DRAIN	6" ZURN CAST IRON GRATE	941.19	E = 936.86 NW = 936.86	--------- 27 L.F. OF 6" PVC @ 1.00%, STRM #319
STRM #319	6" DRAIN	6" ZURN CAST IRON GRATE	941.22	SE = 937.13 NW = 937.13	--------- 28 L.F. OF 6" PVC @ 1.00%, STRM #320
STRM #320	6" DRAIN	6" ZURN CAST IRON GRATE	941.23	SE = 937.41 N = 937.41	--------- 32 L.F. OF 6" PVC @ 1.00%, STRM #321
STRM #321	6" DRAIN	6" ZURN CAST IRON GRATE	941.12	S = 937.73	---------
STRM #322	DRAIN TILE CONNECTION	NA		SE = 939.17	---------
STRM #323	8" DRAIN	8" ZURN CAST IRON GRATE	941.30	S = 936.72 N = 936.72	--------- 16 L.F. OF 8" PVC @ 1.00%, STRM #324
STRM #324	6" DRAIN	6" ZURN CAST IRON GRATE	941.29	S = 936.89 W = 936.89 NE = 936.89	--------- 18 L.F. OF 6" PVC @ 1.00%, STRM #325 13 L.F. OF 6" PVC @ 1.00%, STRM #327
STRM #325	6" DRAIN	6" ZURN CAST IRON GRATE	941.29	E = 937.07 W = 937.07	--------- 22 L.F. OF 6" PVC @ 1.00%, STRM #326
STRM #326	6" DRAIN	6" ZURN CAST IRON GRATE	941.29	E = 937.28	---------
STRM #327	6" DRAIN	6" ZURN CAST IRON GRATE	941.30	SW = 937.02 N = 937.02	--------- 17 L.F. OF 6" PVC @ 1.00%, STRM #328
STRM #328	6" DRAIN	6" ZURN CAST IRON GRATE	941.28	S = 937.19 N = 937.19	--------- 23 L.F. OF 6" PVC @ 1.00%, STRM #329
STRM #329	6" DRAIN	6" ZURN CAST IRON GRATE	941.31	S = 937.42 N = 937.42	--------- 23 L.F. OF 6" PVC @ 1.00%, STRM #330
STRM #330	6" DRAIN	6" ZURN CAST IRON GRATE	941.31	S = 937.65	---------
STRM #331	27" CB	R–2390	944.96	SW = 936.00 N = 938.83 NW = 940.96	--------- 29 L.F. OF 8" PVC @ 1.00%, STRM #333 14 L.F. OF 4" PVC @ 1.00%, STRM #332
STRM #332	SERVICE/TANK CONNECTION	NA		SE = 941.10	---------
STRM #333	8" DRAIN	8" ZURN CAST IRON GRATE	944.95	S = 939.12 N = 939.12	--------- 29 L.F. OF 8" PVC @ 1.00%, STRM #334
STRM #334	8" DRAIN	8" ZURN CAST IRON GRATE	944.91	S = 939.41	---------
STRM #400	SERVICE CONNECTION	NA		SE = 926.56	11 L.F. OF 6" PVC @ 2.00%, STRM #401
STRM #401	6" DRAIN	6" ZURN CAST IRON GRATE	941.25	NW = 926.78 SW = 936.73 E = 935.52	--------- 33 L.F. OF 6" PVC @ 2.00%, STRM #402 24 L.F. OF 6" PVC @ 2.00%, STRM #403
STRM #402	6" DRAIN	6" ZURN CAST IRON GRATE	941.26	NE = 937.40	---------
STRM #403	6" DRAIN	8" ZURN CAST IRON GRATE	941.30	W = 936.01 E = 936.01	--------- 23 L.F. OF 6" PVC @ 2.00%, STRM #404
STRM #404	6" DRAIN	8" ZURN CAST IRON GRATE	941.32	W = 936.47 E = 936.47	--------- 23 L.F. OF 6" PVC @ 2.00%, STRM #405
STRM #405	6" DRAIN	8" ZURN CAST IRON GRATE	941.31	W = 936.93 E = 936.93	--------- 18 L.F. OF 6" PVC @ 2.00%, STRM #406
STRM #406	6" DRAIN	8" ZURN CAST IRON GRATE	941.29	W = 937.29 N = 937.29 E = 937.29	--------- 23 L.F. OF 6" PVC @ 2.00%, STRM #407 31 L.F. OF 6" PVC @ 13.74%, STRM #408
STRM #407	6" DRAIN	6" ZURN CAST IRON GRATE	945.09	S = 937.76	---------
STRM #408	6" DRAIN	6" ZURN CAST IRON GRATE	944.91	W = 941.47 E = 941.47	--------- 17 L.F. OF 6" PVC @ 2.00%, STRM #409
STRM #409	6" DRAIN	6" ZURN CAST IRON GRATE	944.91	W = 941.81	---------

SANITARY SEWER TABLE

STRUCTURE ID	STRUCTURE DIMENSION (INCHES)	NEENAH CASTING TYPE	RIM ELEVATION	INVERT ELEVATION(S)	PIPE LENGTH, DIAMETER, SLOPE & NEXT UPSTREAM STRUCTURE
SSWR #7	48" MH	R–1733	949.70	SE = 933.82 NW = 933.92	--------- 129 L.F. OF 8" PVC @ 2.10%, SSWR #8
SSWR #8	48" MH	R–1733	947.27	SE = 936.64 N = 936.83 N = 936.74	--------- 27 L.F. OF 6" PVC @ 1.05%, SSWR #12 72 L.F. OF 6" PVC @ 6.66%, SSWR #9
SSWR #9	48" MH	R–1733	950.00	S = 941.50 E = 941.70 E = 941.70	--------- 8 L.F. OF 6" PVC @ 2.10%, SSWR #10 8 L.F. OF 6" PVC @ 2.10%, SSWR #11
SSWR #10	22.5° BEND	NA		W = 941.86	---------
SSWR #11	CONNECT TO EXISTING PIPE	NA		W = 941.86	---------
SSWR #12	48" MH	R–1733	946.57	S = 937.12 N = 937.22	--------- 130 L.F. OF 6" PVC @ 1.05%, SSWR #13
SSWR #13	48" MH	R–1733	945.07	NE = 938.68 S = 938.58 E = 940.19 N = 938.68	--------- --------- 15 L.F. OF 4" PVC @ 10.00%, SSWR #14 17 L.F. OF 4" PVC @ 2.10%, SSWR #15
SSWR #14	SANITARY SEWER CONNECTION	NA		W = 941.70	---------
SSWR #15	4"X4" WYE	NA		S = 939.04 NW = 939.04 N = 939.04	--------- 33 L.F. OF 4" PVC @ 1.05%, 6 L.F. OF 4" PVC @ 2.10%, SSWR #16
SSWR #16	SANITARY SEWER CONNECTION	NA		S = 939.17	---------
SSWR #18	SANITARY SEWER CONNECTION	NA		E = 939.56	---------

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BKBM Project No. 26113

project title
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POOL DECK
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EDINA, MN 55436

client
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6200 INTERLACHEN BLVD

seal

I hereby certify that this plan, specification or report 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.

NATHANIEL P. ANDERSON
PRINTED NAME
SIGNATURE
2026-05-12
DATE ISSUED
59311
REG. NO.

BID / PERMIT SET
CONSTRUCTION DOCUMENTS

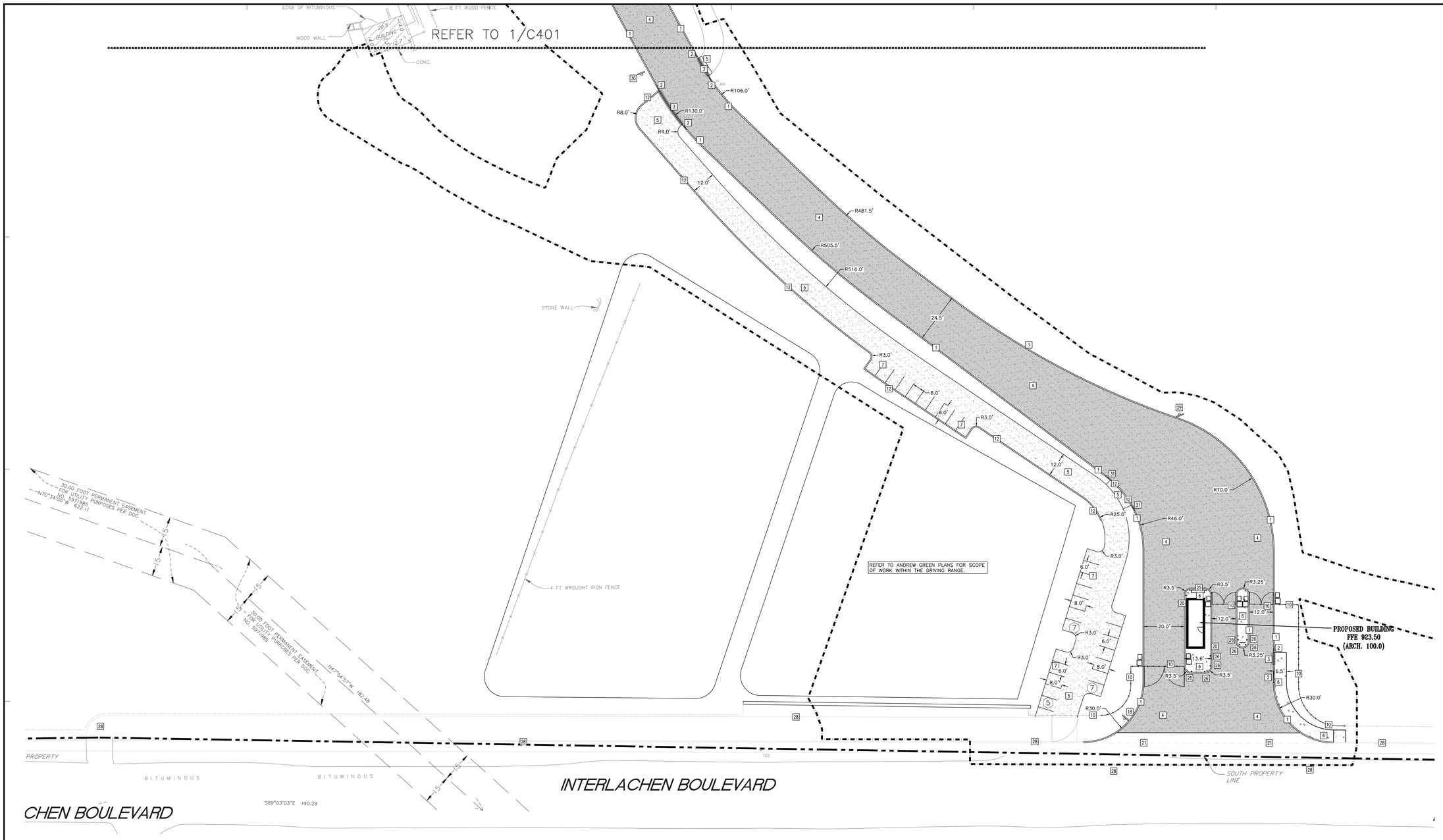
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project no.	issue date
8566.20	2026-05-12
drawn: WH	checked: KAB

sheet title
UTILITY PLAN

C301

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1 C400 PAVING AND GEOMETRIC PLAN
1" = 20'

PAVING NOTES:

1. CONTRACTOR SHALL FOLLOW ALL CITY OF EDINA STANDARDS AND SPECIFICATIONS.
2. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.
3. ALL CURB AND GUTTER IS TO BE B612 CONCRETE CURB AND GUTTER UNLESS NOTED OTHERWISE.
4. NO SIDEWALK IS TO HAVE MORE THAN A 2% CROSS SLOPE OR MORE THAN A 5% LONGITUDINAL SLOPE.
5. REFER TO ARCHITECTURAL PLANS FOR PROPOSED BUILDING LAYOUT.
6. FOLLOW ALL CITY OF EDINA RULES, REGULATIONS, AND SPECIFICATIONS WHEN WORKING IN PUBLIC RIGHT OF WAY.
7. STRIPE GOLF CART PARKING AREA AS SHOWN. ALL PARKING STALLS ARE TO BE 6 FEET WIDE BY 8 FEET LONG, UNLESS NOTED OTHERWISE.
8. THE CONTRACTOR IS TO CONTACT THE CITY OF EDINA FIRE MARSHALL FOR THE EXACT PLACEMENT OF FIRE LANES, YELLOW-PAINTED CURBING, AND NO PARKING AREAS FOR FIRE PROTECTION PURPOSES.
9. REFER TO STRUCTURAL PLANS FOR STOOP DETAILS. ALL WALKS ARE TO BE CENTERED ON THE DOORS.
10. INSTALL APPROPRIATE EXPANSION MATERIAL WHERE CONCRETE IS ADJACENT TO BUILDING FACE.
11. ALL EXPANSION AND ISOLATION JOINTS SHALL BE SEALED PER SPECIFICATIONS.
12. MATCH NEW PAVEMENT, CURB AND GUTTER, AND SIDEWALK INTO EXISTING. NO ABRUPT GRADE TRANSITIONS OR PONDING OF WATER WILL BE ALLOWED.
13. SAWCUT EXISTING PAVEMENT, SIDEWALK, AND CURB AND GUTTER TO NEAREST JOINT. COORDINATE REMOVAL LIMITS WITH SITE DEMOLITION CONTRACTOR AND CONSTRUCTION MANAGER.
14. INSTALL DRIVE ENTRANCE PER CITY OF EDINA STANDARDS AND SPECIFICATIONS. FOLLOW ALL CITY OF EDINA AND HENNEPIN COUNTY REQUIREMENTS FOR TRAFFIC CONTROL.

KEYED NOTES

KEYED NOTES ARE DENOTED BY [NO] ON PLAN.

[1] INSTALL B612 CONCRETE CURB AND GUTTER. REFER TO DETAIL 2/C502.
[2] INSTALL NOSE-DOWN CURB SECTION. REFER TO DETAIL 3/C502.
[3] INSTALL FLAT CURB SECTION. REFER TO DETAIL 4/C502.
[4] INSTALL HEAVY-DUTY BITUMINOUS PAVEMENT. REFER TO DETAIL 5/C502.
[5] INSTALL LIGHT-DUTY BITUMINOUS PAVEMENT. REFER TO DETAIL 6/C502.
[6] INSTALL CONCRETE WALK. REFER TO DETAIL 8/C502.
[7] PAINT PARKING LOT STRIPING AND NO PARKING AREA, 4" WIDE STRIPES, WHITE IN COLOR. STRIPING FOR CROSS HATCH SHALL BE AS SHOWN SPACED 3' APART.
[8] INSTALL CONCRETE PAVEMENT. REFER TO DETAIL 7/C502.
[9] STOOP. REFER TO STRUCTURAL PLANS AND DETAILS.
[10] INSTALL FENCE. REFER TO LANDSCAPE PLANS AND SPECIFICATIONS FOR FENCING. REFER TO ARCHITECTURAL PLANS FOR FENCING DETAILS.
[12] INSTALL SURMOUNTABLE CONCRETE CURB AND GUTTER. REFER TO DETAIL 1/C502.
[18] INSTALL SALVAGED STOP SIGN AND POST.
[20] INSTALL VERTICAL CURB. REFER TO DETAIL 3/C503.
[21] CITY OF EDINA TO INSTALL CONCRETE DRIVE ENTRANCE AS PART OF INTERLACHEN BOULEVARD RECONSTRUCTION PROJECT. COORDINATE PAVING UP TO DRIVE ENTRANCE WITH CITY CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
[25] MONUMENT SIGN. REFER TO ARCHITECTURAL PLANS.
[26] BOLLARD. REFER TO ARCHITECTURAL PLANS.
[28] REFER TO CITY OF EDINA INTERLACHEN BOULEVARD ROADWAY PLANS FOR SCOPE OF WORK BOTH IN THE ROADWAY AND ASSOCIATED WORK ON SITE. INCLUDING DEMOLITION, CURB AND GUTTER, PAVEMENTS, FENCE, AND ASSOCIATED GRADING. CONTRACTOR SHALL COORDINATE PROPOSED SITE WORK WITH CITY CONTRACTOR DURING CONSTRUCTION.
[29] INSTALL SALVAGED SPEED LIMIT SIGN AND POST.
[30] INSTALL SALVAGED GOLF CART CROSSING SIGN AND POST.
[31] PROVIDE 3-FOOT TRANSITION BETWEEN CURB TYPES.

PROPOSED PLAN SYMBOLS

- CONSTRUCTION LIMITS
- PROPERTY LINE
- SAWCUT LINE (APPROX.)
- LIGHT DUTY BITUMINOUS PAVEMENT
- HEAVY DUTY BITUMINOUS PAVEMENT
- CONCRETE PAVEMENT/SIDEWALK
- SEE LANDSCAPE PLANS FOR PAVEMENT DETAILS
- FLAT CURB AND GUTTER
- PARKING STALL COUNT (10)

ABBREVIATIONS

BLDG	Building
BM	Benchmark
CONC	Concrete
ELEV	Elevation
EX	Existing
FFE	Finished Floor Elevation
LFE	Lower Floor Elevation
MAX	Maximum
MIN	Minimum
R	Radius
TYP.	Typical
MNMUTCD	Minnesota Manual on Uniform Traffic Control Devices

N
20' 10' 0 20' 40'
SCALE 1" = 20'

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BKBM Project No. 26113

project title
INTERLACHEN COUNTRY CLUB
POOL DECK
6200 INTERLACHEN BLVD
EDINA, MN 55436

client
INTERLACHEN COUNTRY CLUB
EDINA, MN 55436
6200 INTERLACHEN BLVD

seal

I hereby certify that this plan, specification or report 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.

NATHANIEL P. ANDERSON
PRINTED NAME
SIGNATURE
2026-05-12
DATE ISSUED
59311
REG. NO.

BID / PERMIT SET
CONSTRUCTION DOCUMENTS

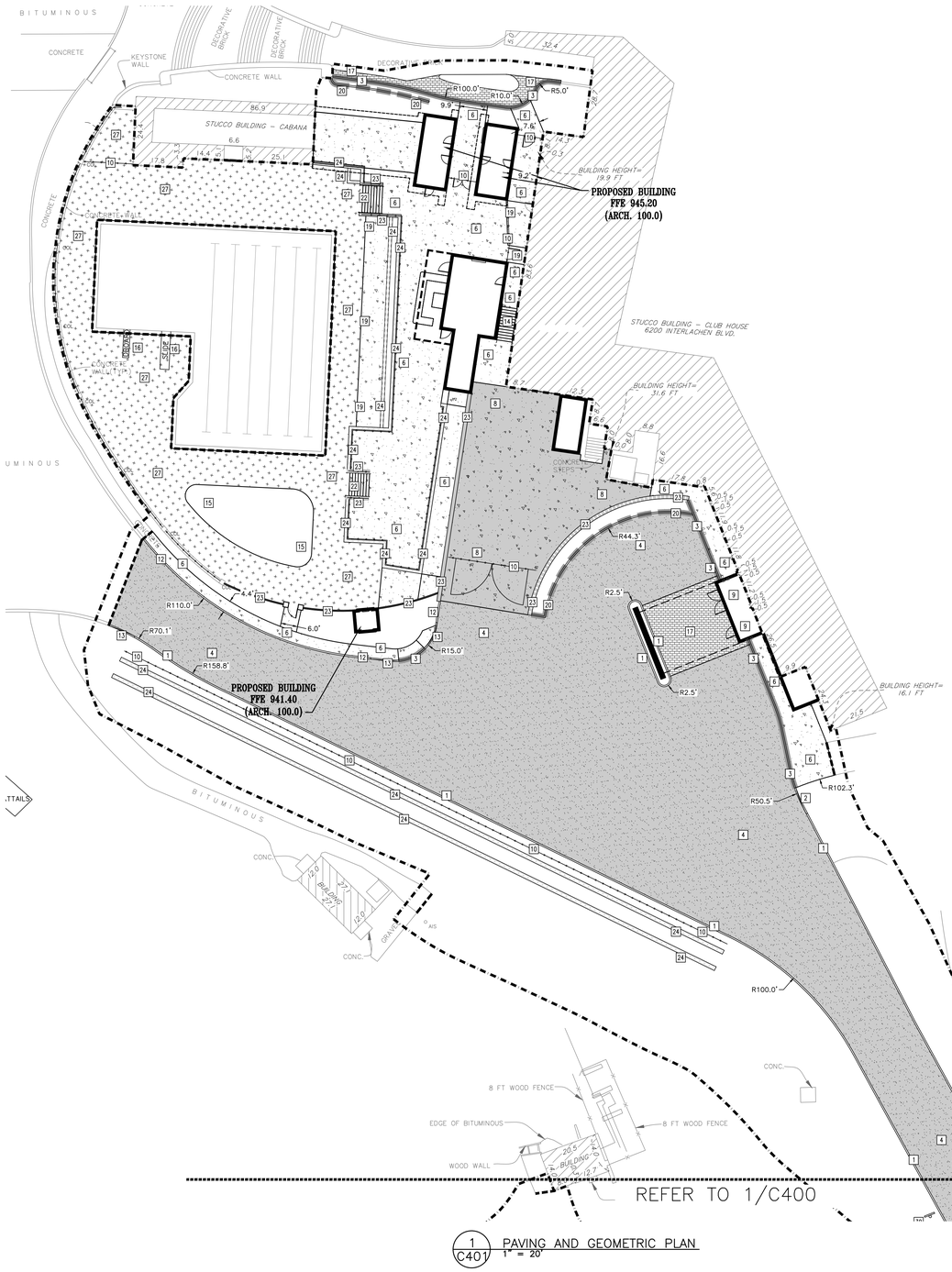
no.	date	issued for

project no.	issue date
8566.20	2026-05-12
drawn	checked
WH	KAB

sheet title
PAVING AND GEOMETRIC PLAN

C400

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1 C401 PAVING AND GEOMETRIC PLAN
1" = 20'

PROPOSED PLAN SYMBOLS

- CONSTRUCTION LIMITS
- PROPERTY LINE
- SAWCUT LINE (APPROX.)
- MODULAR BLOCK RETAINING WALL
- CAST IN PLACE RETAINING WALL
- SCREEN WALL
- FENCE LINE
- LIGHT DUTY BITUMINOUS PAVEMENT
- HEAVY DUTY BITUMINOUS PAVEMENT
- CONCRETE SIDEWALK
- POOL DECK CONCRETE SIDEWALK
- CONCRETE PAVEMENT
- SEE LANDSCAPE PLANS FOR PAVEMENT DETAILS
- FLAT CURB AND GUTTER
- VERTICAL CURB
- PAVERS

ABBREVIATIONS

BLDG	Building
BM	Benchmark
CONC	Concrete
ELEV	Elevation
EX	Existing
FFE	Finished Floor Elevation
LFE	Lower Floor Elevation
MAX	Maximum
MIN	Minimum
R	Radius
TYP.	Typical
MNMUTCD	Minnesota Manual on Uniform Traffic Control Devices

REFER TO C300 FOR PAVING NOTES.

N

20' 10' 0 20' 40'

SCALE 1" = 20'

KEYED NOTES

KEYED NOTES ARE DENOTED BY [NO] ON PLAN.

[1] INSTALL B612 CONCRETE CURB AND GUTTER. REFER TO DETAIL 2/C502.

[2] INSTALL NOSE-DOWN CURB SECTION. REFER TO DETAIL 3/C502.

[3] INSTALL FLAT CURB SECTION. REFER TO DETAIL 4/C502.

[4] INSTALL HEAVY-DUTY BITUMINOUS PAVEMENT. REFER TO DETAIL 5/C502.

[5] INSTALL LIGHT-DUTY BITUMINOUS PAVEMENT. REFER TO DETAIL 6/C502.

[6] INSTALL CONCRETE WALK. REFER TO DETAIL 8/C502.

[8] INSTALL CONCRETE PAVEMENT. REFER TO DETAIL 7/C502.

[9] STOOP. REFER TO STRUCTURAL PLANS AND DETAILS.

[10] INSTALL FENCE. REFER TO LANDSCAPE PLANS AND SPECIFICATIONS FOR FENCING. REFER TO ARCHITECTURAL PLANS FOR FENCING DETAILS.

[11] INSTALL FENCE ON EXISTING WALL. REFER TO LANDSCAPE PLANS AND SPECIFICATIONS FOR FENCING.

[12] INSTALL SURMOUNTABLE CONCRETE CURB AND GUTTER. REFER TO DETAIL 1/C502.

[13] PROVIDE 10-FOOT TRANSITION BETWEEN CURB TYPES.

[14] INSTALL CONCRETE STAIR WITH HANDRAIL. REFER TO DETAIL 10/C502. REFER TO ARCHITECTURAL FOR HANDRAIL DETAILS.

[15] WADING POOL TO BE INSTALLED BY OTHERS. CONTRACTOR SHALL COORDINATE LOCATIONS WITH OWNER PRIOR TO START OF CONSTRUCTION.

[16] INSTALL SALVAGED DIVING BOARD AND SLIDE.

[17] INSTALL SALVAGED BRICK PAVERS. REFER TO DETAIL 15/C502.

[19] INSTALL THICKENED EDGE/RAISED SIDEWALK. REFER TO DETAIL 14/C502.

[20] INSTALL VERTICAL CURB. REFER TO DETAIL 3/C503.

[22] CONCRETE STAIR. REFER TO STRUCTURAL PLANS AND SPECIFICATIONS.

[23] CAST IN PLACE RETAINING/SCREEN WALL. REFER TO STRUCTURAL PLANS AND SPECIFICATIONS.

[24] INSTALL ANCHOR WALL, DIAMOND PRO RETAINING WALL. RETAINING WALL BLOCK SHALL BE STRAIGHT FACE AND GRAY IN COLOR.

[27] BASE BID: INSTALL CONCRETE WALK. REFER TO DETAIL 8/C502. **BID ALTERNATE: INSTALL REINFORCED CONCRETE WALK. REFER TO DETAIL 6/C503.**

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seal

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NATHANIEL P. ANDERSON
PRINTED NAME

SIGNATURE

2026-05-12
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BID / PERMIT SET
CONSTRUCTION DOCUMENTS

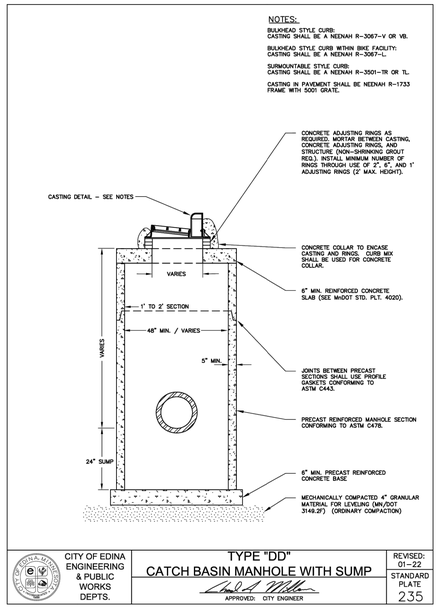
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project no.	issue date
8566.20	2026-05-12
drawn	checked
WH	KAB

sheet title
SELECTIVE SITE DEMOLITION AND EROSION CONTROL PLANS

C401

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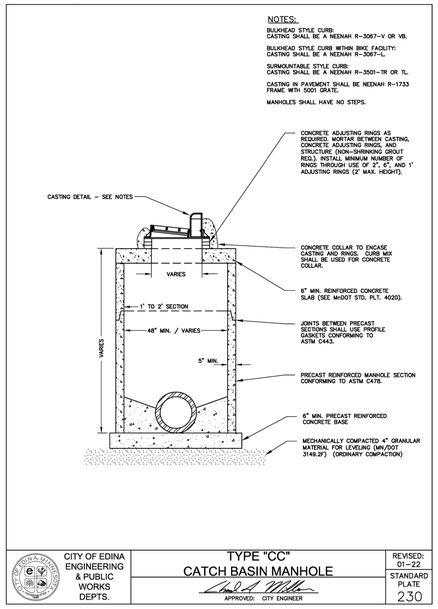
CITY OF EDINA ENGINEERING & PUBLIC WORKS DEPTS.

TYPE "DD"
CATCH BASIN MANHOLE WITH SUMP

APPROVED: CITY ENGINEER

REVISED: 01-22
STANDARD PLATE 235

9 C500 CATCH BASIN MANHOLE WITH SUMP
NOT TO SCALE



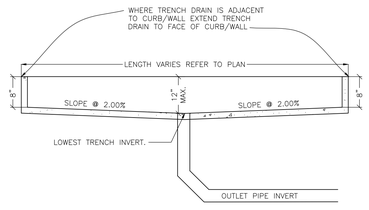
CITY OF EDINA ENGINEERING & PUBLIC WORKS DEPTS.

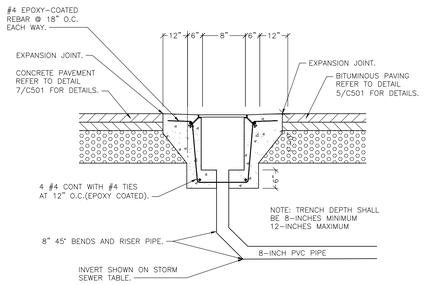
TYPE "CC"
CATCH BASIN MANHOLE

APPROVED: CITY ENGINEER

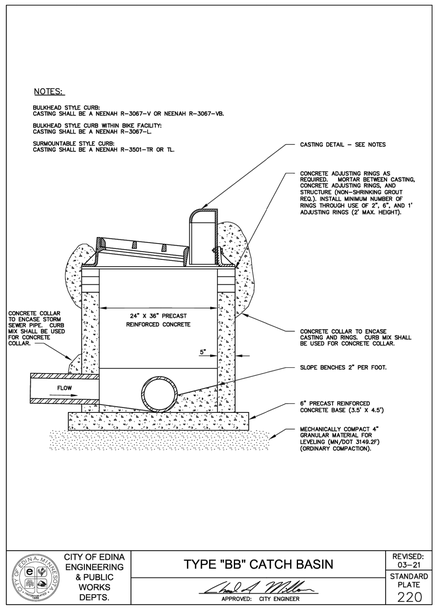
REVISED: 01-22
STANDARD PLATE 230

7 C500 CATCH BASIN MANHOLE
NOT TO SCALE





10 C500 TRENCH DRAIN DETAIL
NOT TO SCALE



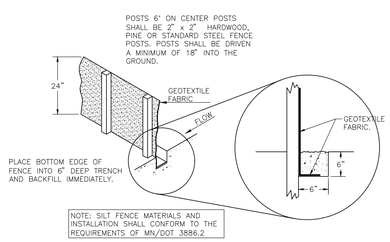
CITY OF EDINA ENGINEERING & PUBLIC WORKS DEPTS.

TYPE "BB" CATCH BASIN

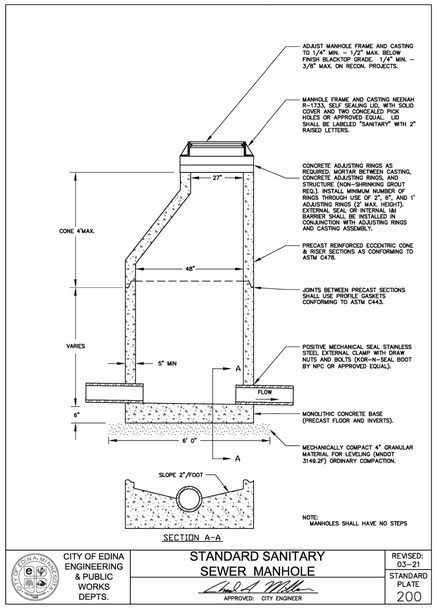
APPROVED: CITY ENGINEER

REVISED: 03-21
STANDARD PLATE 220

8 C500 CATCH BASIN
NOT TO SCALE



4 C500 SILTATION FENCE
NOT TO SCALE



SECTION A-A

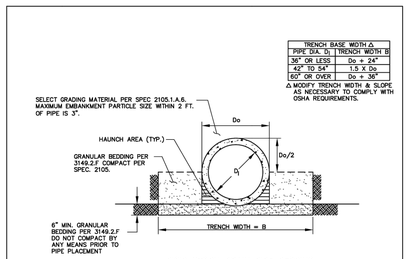
CITY OF EDINA ENGINEERING & PUBLIC WORKS DEPTS.

STANDARD SANITARY SEWER MANHOLE

APPROVED: CITY ENGINEER

REVISED: 03-21
STANDARD PLATE 200

5 C500 SANITARY SEWER MANHOLE
NOT TO SCALE



RIGID STORM DRAIN PIPE BEDDING

CONSTRUCTION SEQUENCE

1. LOOSELY PLACE 6" OF FINE AGGREGATE BEDDING MATERIAL TO GRADE. DO NOT COMPACT PRIOR TO PIPE PLACEMENT.
2. FOR PIPES WITH BELL, REMOVE MATERIAL IN BELL AREA PRIOR TO PLACEMENT.
3. FINISH AND INSTALL PIPE TO GRADE.
4. AFTER INSTALLATION OF PIPE, PLACE ADDITIONAL FINE AGGREGATE BEDDING AND COMPACT THE FULL LENGTH ON BOTH SIDES OF THE PIPE UNDERNEATH THE HAUNCH AREA BY FIRST SHOVEL SLICING (MANUALLY SHOVE THE BLADE END OF SHOVEL AT AN ANGLE DOWN THE ENTIRE LENGTH OF HAUNCH UNDER PIPE) THEN COMPACT THE HAUNCH AT A ANGLE USING A POWERED MECHANICAL OR PNEUMATIC DEVICE (I.E. POLE TAMPER, JUMPING JACK OR SIMILAR). COMPACT THE REMAINING MATERIAL OUTSIDE THE HAUNCH AREA TO THE REQUIREMENTS OF SPEC. 2105. ENSURING THAT THE ENTIRE LENGTH OF PIPE IS SUPPORTED UNIFORMLY BY BEDDING.
5. PLACE AND COMPACT BACKFILL EVENLY AND SIMULTANEOUSLY IN 6" LIFTS ON EACH SIDE OF THE PIPE UP TO THE MID-HEIGHT WHEN COMPACTED.
6. COMPLETE REMAINING BACKFILL.

NOTES

EXCAVATE & CONSTRUCT ALL TRENCHES AND SLOPES PER OSHA REQUIREMENTS.
PIPE SIZE IS BASED ON THE NOMINAL INSIDE DIAMETER.
PROTECT ALL PIPE DURING CONSTRUCTION PER SPEC. 2501 OR 2503.

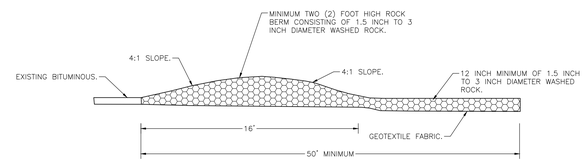
CITY OF EDINA ENGINEERING & PUBLIC WORKS DEPTS.

RIGID STORM DRAIN PIPE BEDDING DETAIL

APPROVED: CITY ENGINEER

REVISED: 02-23
STANDARD PLATE 380

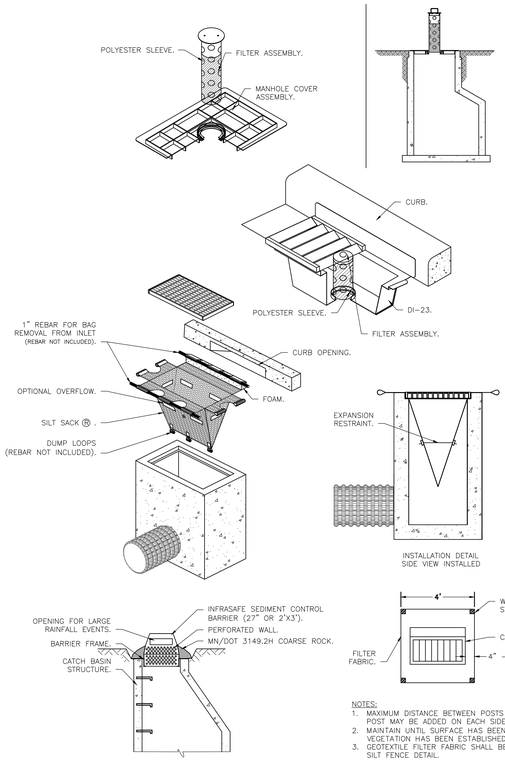
6 C500 PIPE BEDDING
NOT TO SCALE



NOTE:

1. MINIMUM LENGTH OF 50 FEET AND WIDTH OF 12 FEET.
2. FOLLOW ALL CITY, WATERSHED DISTRICT AND MPCA STANDARDS.
3. CLEAN STREETS ON A DAILY BASIS OR MORE FREQUENTLY IF REQUESTED BY CITY, WATERSHED DISTRICT OR MPCA.

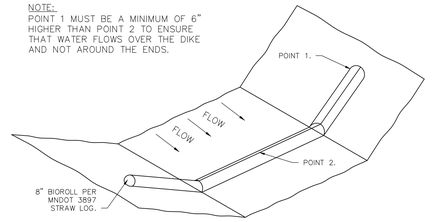
1 C500 BERMED ROCK CONSTRUCTION ENTRANCE
NOT TO SCALE



NOTES:

1. MAXIMUM DISTANCE BETWEEN POSTS IS 4'. AN EXTRA POST MAY BE ADDED ON EACH SIDE.
2. MAINTAIN UNTIL SURFACE HAS BEEN PAVED AND/OR VEGETATION HAS BEEN ESTABLISHED.
3. GEOTEXTILE FILTER FABRIC SHALL BE INSTALLED PER SILT FENCE DETAIL.

2 C500 INLETS SEDIMENTATION PROTECTION OPTIONS
NOT TO SCALE



3 C500 BIO ROLL
NOT TO SCALE

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seal

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NATHANIEL P. ANDERSON
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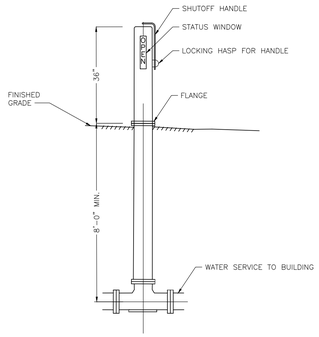
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WH	KAB

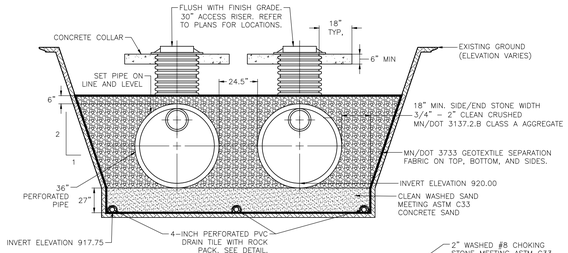
sheet title
CIVIL DETAILS

C500

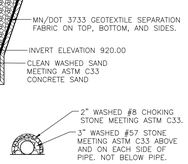
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7 C501 POST INDICATOR VALVE
NOT TO SCALE



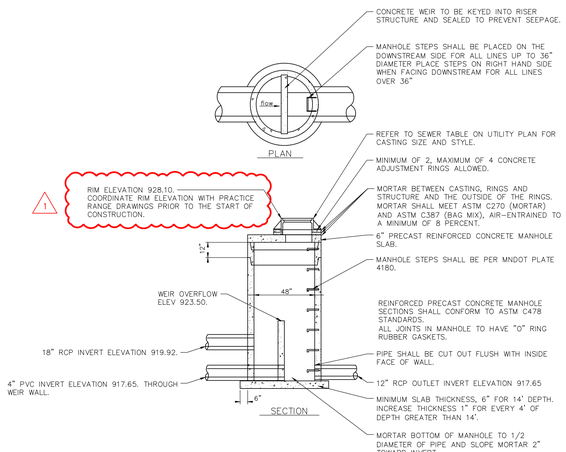
1. CONTRACTOR HAS OPTION TO USE CMP/HDPE PIPE. SYSTEM LAYOUT IS DESIGNED BASED ON HDPE PIPE. ANY ALTERNATE DESIGNS MUST BE APPROVED BY CIVIL ENGINEER PRIOR TO CONSTRUCTION.
2. UTILIZE CARE WHEN LOWERING UNIT INTO THE TRENCH. HANDLE USING NYLON SLINGS AND TWO PICK POINTS.
3. PLACE BACKFILL AROUND THE UNIT IN UNIFORM 8"–12" LIFTS, COMPACTED TO 95% SPD.
4. WHEN THE UNIT CONSISTS OF 2 SECTIONS, PLACE THE DOWNSTREAM SECTION FIRST. CONNECT AND HOME THE REMAINING SECTIONS.
5. ALL CONNECTION POINTS ARE TO BE SOIL PROOF.
6. ACCESS RISERS AND CONCRETE COLLARS SHALL BE DESIGNED TO WITHSTAND HS25 LOADING.
7. PIPE SHALL BE FURNISHED WITH PERFORATIONS 3/8" IN DIAMETER AND PERFORATED FOR THE FULL 360 DEGREE CIRCUMFRENCE OF THE PIPE. MINIMUM OPEN AREA SHALL BE 2.3% OR GREATER.



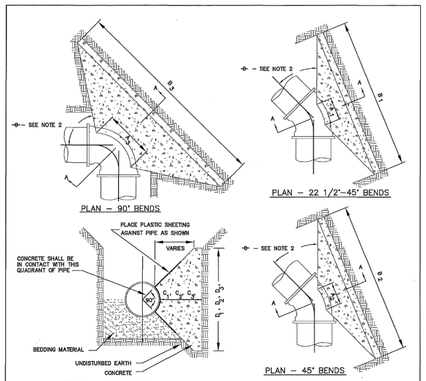
DRAIN TILE ROCK PACK DETAIL

ROW LENGTH:	101 FEET
NUMBER OF ROWS:	15
NUMBER OF HEADERS:	2
FILTRATION VOLUME:	13,459 CUBIC FEET
TOTAL STORAGE VOLUME:	19,581 CUBIC FEET

8 C501 FILTRATION TANK SYSTEM
NOT TO SCALE



9 C501 STORM SEWER MANHOLE WITH WEIR
NOT TO SCALE

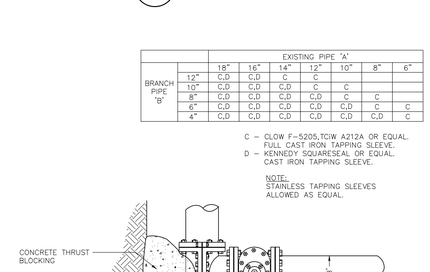


BUTTRESS DIMENSIONS							
PIPE SIZE	22 1/2° BEND		45° BEND		TEES/90° BEND	
	B_1	D_1	B_2	D_2	B_3	D_3
6"	1'–5"	1'–5"	1'–5"	1'–5"	2'–1"	1'–6"
8"	1'–5"	1'–5"	2'–1"	1'–6"	2'–8"	2'–0"
12"	1'–10"	1'–10"	3'–4"	2'–0"	4'–0"	2'–6"
16"	3'–0"	2'–0"	3'–10"	3'–0"	6'–2"	3'–6"
20"	3'–6"	2'–8"	5'–0"	3'–4"	8'–4"	4'–0"
24"	4'–4"	3'–0"	6'–10"	3'–10"	9'–8"	5'–0"

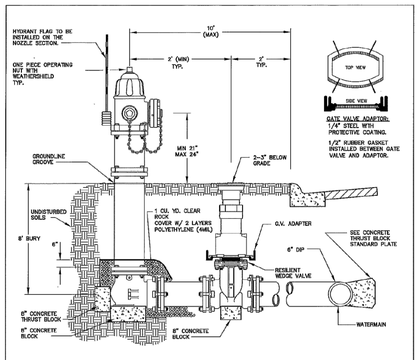
NOTES:
1. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 PSI AND AN EARTH RESISTANCE OF 1 TON PER SQ. FT.
2. DIMENSION C1,C2,C3 SHOULD BE AS LARGE ENOUGH TO MAKE ANGLE > 45 DEGREES.
3. DIMENSION A1,A2,A3 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH M.J. BOLTS.
4. SHAPE OF BACK OF BUTTRESS MAY VARY AS LONG AS POUR IS AGAINST FIRM UNDISTURBED EARTH.
5. MEGA LUGS MAY BE USED IN CONJUNCTION WITH MIXED CONCRETE THRUST BLOCKING.
6. READY MIX CONCRETE ONLY MAY BE USED (MNDOT SPEC. 2461, GRADE 'B')

CITY OF EDINA ENGINEERING & PUBLIC WORKS DEPTS.	CONCRETE THRUST BLOCK APPROVED: CITY ENGINEER	REVISED: 04–09 STANDARD PLATE 120

5 C501 CONCRETE THRUST BLOCKING
NOT TO SCALE



6 C501 WATERMAIN WET TAP (TYP.)
NOT TO SCALE



NOTES:
HYDRANTS SHALL BE WATEROUS CLASSIC PACER MODEL WB67-250 WITH ONE (1)–FIVE AND ONE–QUARTER INCH (5 ¼") STORZ PUMPER NOZZLE WITH 18° BREAK OFF AND TWO (2)–TWO AND ONE–HALF INCH (2 ½") THREADED NOZZLES.

ALL HYDRANTS AND GATE VALVES SHALL HAVE RESTRAINT COUPLING, RESTRAINT JOINT OR MECHANICAL JOINT CONNECTIONS. ALL VALVES TO OPEN COUNTER–CLOCKWISE.

HYDRANTS TO CONFORM WITH DIMENSIONAL REQUIREMENTS FOR NON-THREADED CONNECTIONS IN ACCORDANCE WITH NFPA 1963 STANDARDS FOR FIRE HOSE CONNECTIONS.

ALL BACKFILL SHALL BE PROPERLY COMPACTED.

2 GADOYGNE STYLE FLAGS PER HYDRANT (ONE INSTALLED, ONE TO EDINA PUBLIC WORKS).

A ONE–PIECE HEAVY DUTY OPERATING VALVE ROD IS REQUIRED ON HYDRANTS THAT ARE EXTENDED 24" OR MORE.

WHEN INSTALLING A HYDRANT ROD EXTENSION, THE NONBREAKABLE COUPLING SLEEVES GO ON THE BOTTOM AND THE BREAKABLE SLEEVES GO ON THE TOP OF THE EXTENSION ROD.

FIRE HYDRANTS SHALL BE PAINTED RED AT THE FACTORY.

POLYWRAP ALL PIPE AND FITTINGS, MEGA LUG ALL FITTINGS, INCLUDE CORROSION PROTECTION AT EACH JOINT.

ALL HYDRANTS SHALL BE INSTALLED WITH STORZ NOZZLE PERPENDICULAR TO ROADWAY.

WEEP HOLE TO REMAIN OPEN.

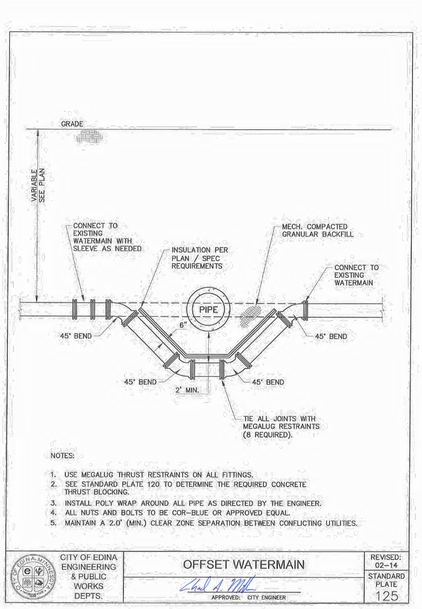
CITY OF EDINA ENGINEERING & PUBLIC WORKS DEPTS.	HYDRANT AND GATE VALVE APPROVED: CITY ENGINEER	REVISED: 1–19 STANDARD PLATE 100

3 C501 HYDRANT AND GATE VALVE
NOT TO SCALE

	EXISTING PIPE 'A'						
	18"	16"	14"	12"	10"	8"	6"
BRANCH PIPE 'B' 12"	C,D	C,D	C	C			
10"	C,D	C,D	C,D	C	C		
8"	C,D	C,D	C,D	C,D	C	C	
6"	C,D	C,D	C,D	C,D	C,D	C	C
4"	C,D	C,D	C,D	C,D	C,D	C,D	C

C – CLOW F–5205,TCIW A212A OR EQUAL. FULL CAST IRON TAPPING SLEEVE.
D – KENNEDY SQUARESEAL OR EQUAL. CAST IRON TAPPING SLEEVE.

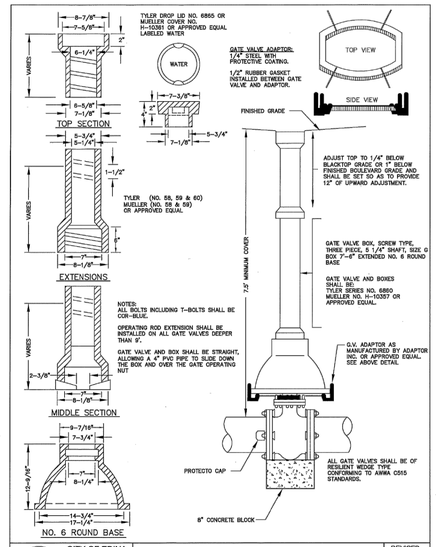
NOTE:
STAINLESS TAPPING SLEEVES ALLOWED AS EQUAL.



NOTES:
1. USE MEGALUG THRUST RESTRAINTS ON ALL FITTINGS.
2. SEE STANDARD PLATE 120 TO DETERMINE THE REQUIRED CONCRETE THRUST BLOCKING.
3. INSTALL POLY WRAP AROUND ALL PIPE AS DIRECTED BY THE ENGINEER.
4. ALL NUTS AND BOLTS TO BE COR–BLUE OR APPROVED EQUAL.
5. MAINTAIN A 2.0' (MIN.) CLEAR ZONE SEPARATION BETWEEN CONFLICTING UTILITIES.

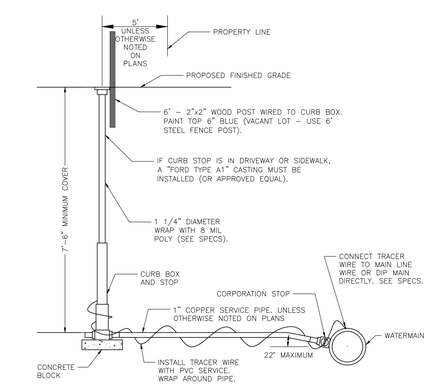
CITY OF EDINA ENGINEERING & PUBLIC WORKS DEPTS.	OFFSET WATERMAIN APPROVED: CITY ENGINEER	REVISED: 02–14 STANDARD PLATE 125

4 C501 WATERMAIN OFFSET DETAIL
NOT TO SCALE



CITY OF EDINA ENGINEERING & PUBLIC WORKS DEPTS.	GATE VALVE AND BOX APPROVED: CITY ENGINEER	REVISED: 04–09 STANDARD PLATE 105

2 C501 GATE VALE AND BOX
NOT TO SCALE



PLAN VIEW

1 C501 CURB STOP
NOT TO SCALE

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BKBM Project No. 26113

project title
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POOL DECK
6200 INTERLACHEN BLVD
EDINA, MN 55436

client
INTERLACHEN COUNTRY CLUB
EDINA, MN 55436
6200 INTERLACHEN BLVD

seal

I hereby certify that this plan, specification or report 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.

NATHANIEL P. ANDERSON
PRINTED NAME
SIGNATURE
2026-05-12
DATE ISSUED
59311
REG. NO.

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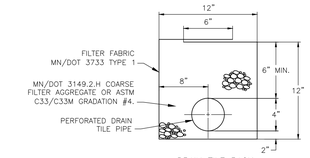
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1	06/19/2026	Watershed Comments

project no.	issue date
8566.20	2026-05-12
drawn	checked
WH	KAB

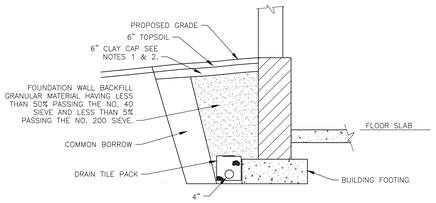
sheet title
CIVIL DETAILS

C501

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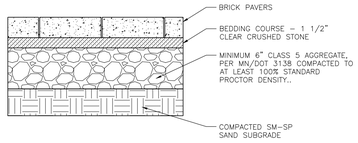
DRAIN TILE PACK



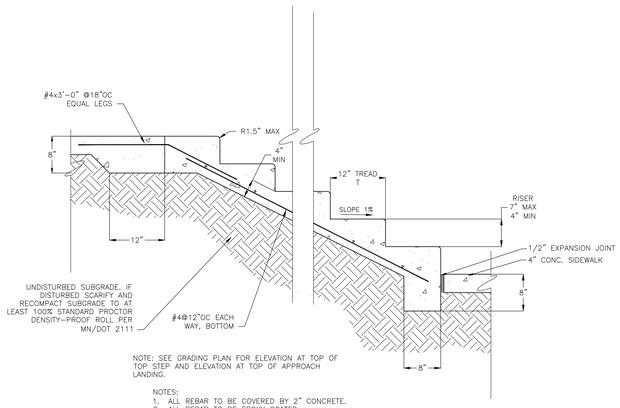
NOTE:
1. WHERE PAVEMENT IS ADJACENT TO FOUNDATION WALL, CONTRACTOR SHALL INSTALL PAVEMENT SECTION DIRECTLY OVER FOUNDATION WALL BACKFILL, CLAY CAP AND TOPSOIL SHALL NOT BE INSTALLED UNDER PROPOSED PAVEMENT SECTIONS.
2. THE FINAL ONE-FOOT OF BACKFILL FOR LANDSCAPED OR TURF "GREEN" AREAS SHALL CONSIST OF CLAY OR SILT BASED BACKFILL AND TOPSOIL. THE INTENT IS TO PREVENT STORM WATER FROM INFILTRATING INTO SOILS DIRECTLY ADJACENT TO THE FOUNDATION WALL OF THE BUILDING.
3. DRAIN TILE SHALL NOT BE INSTALLED WITHIN THE ZONE OF INFLUENCE OF THE BUILDING FOOTING.

13 C502 BUILDING PERIMETER DRAIN TILE
NOT TO SCALE

14 C502 INTEGRAL CONCRETE CURB AND SIDEWALK
NOT TO SCALE



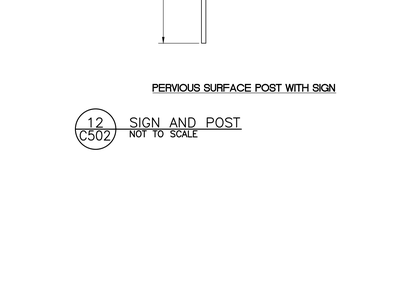
15 C502 PAVER INSTALLATION DETAIL
NOT TO SCALE



NOTE: SEE GRADING PLAN FOR ELEVATION AT TOP OF TOP STEP AND ELEVATION AT TOP OF APPROACH LANDING.

NOTES:
1. ALL REBAR TO BE COVERED BY 2" CONCRETE.
2. ALL REBAR TO BE EPOXY COATED.
3. CONCRETE SURFACING TO BE MEDIUM BROOM FINISH PERPENDICULAR TO PEDESTRIAN CIRCULATION.
4. REFER TO ARCHITECTURAL DRAWING FOR HAND RAILS.
5. REFER TO GRADING PLAN FOR NUMBER OF STAIRS AND HEIGHT.

10 C502 CONCRETE STAIR
NOT TO SCALE

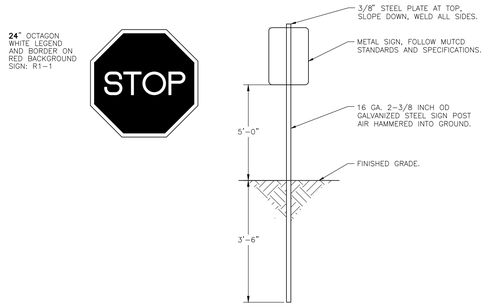


SECTION

PLAN

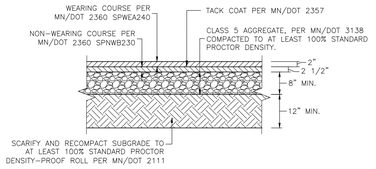
NOTE:
1) PROVIDE 6" MINIMUM CLASS 5 AGGREGATE BASE BENEATH CONCRETE MAINTENANCE STRIP.
2) PROVIDE CONTROL JOINTS AT EACH FENCE POST AND CENTERED BETWEEN FENCE POST, 5–FOOT MAXIMUM.

11 C502 CONCRETE MAINTENANCE STRIP
NOT TO SCALE

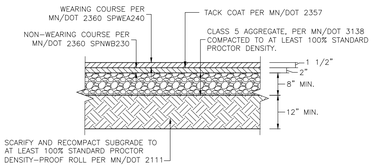


PERVIOUS SURFACE POST WITH SIGN

12 C502 SIGN AND POST
NOT TO SCALE

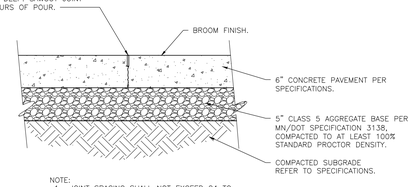


5 C502 HEAVY–DUTY BITUMINOUS PAVEMENT
NOT TO SCALE



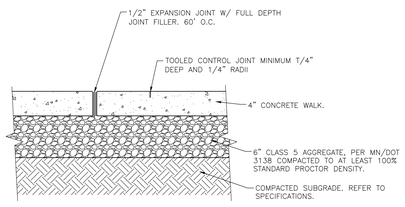
6 C502 LIGHT–DUTY BITUMINOUS PAVEMENT
NOT TO SCALE

TOOLED OR SAW CUT CONTROL JOINT MINIMUM 1/4" DEEP. SAWCUT JOINT WITHIN 12 HOURS OF POUR.



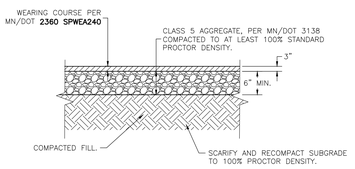
NOTE:
1: JOINT SPACING SHALL NOT EXCEED 24 TO 30 TIMES THE PAVEMENT THICKNESS WITH A MAXIMUM OF 15 FEET.

7 C502 CONCRETE PAVEMENT
NOT TO SCALE

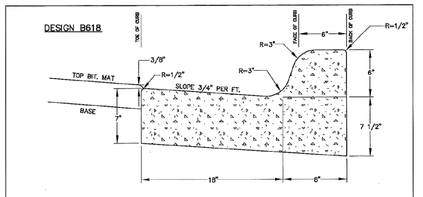


NOTE:
1: JOINT SPACING SHALL BE A MAXIMUM OF 6–FEET ON CENTER.

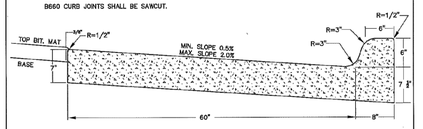
8 C502 CONCRETE SIDEWALK (TYP.)
NOT TO SCALE



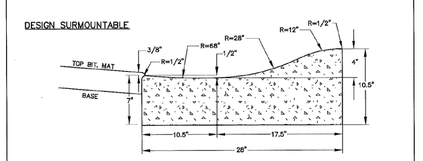
9 C502 BITUMINOUS PATH
NOT TO SCALE



DESIGN B660
B660 CURB JOINTS SHALL BE SAWCUT.



DESIGN SURMOUNTABLE

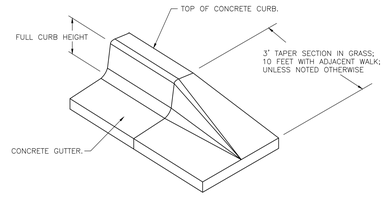


CITY OF EDINA ENGINEERING & PUBLIC WORKS DEPTS.	CONCRETE CURB & GUTTER APPROVED: CITY ENGINEER	REVISED: 1–12 STANDARD PLATE 500

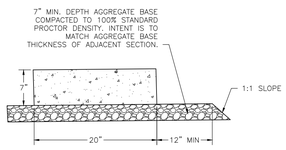
1 C502 CONCRETE CURB DETAILS
NOT TO SCALE

NOTES:
1. DIRECTION OF TRANSVERSE GUTTER SLOPE TO MATCH DIRECTION OF ADJACENT PAVEMENT SLOPE.
2. CONSTRUCT CURB AND GUTTER IN ACCORDANCE WITH MNDOT SPECIFICATION 2531.

2 C502 B612 CONCRETE CURB AND GUTTER
NOT TO SCALE



3 C502 NOSE–DOWN CURB SECTION
NOT TO SCALE



NOTE:
1. CURB SECTION IS TO SLOPE TOWARD PARKING LOT PER GRADING PLAN. TRANSITION INTO B612 CURBING USING NOSE–DOWN CURB SECTION.

4 C502 FLAT CURB/CONCRETE EDGER
NOT TO SCALE

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project title
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POOL DECK
6200 INTERLACHEN BLVD
EDINA, MN 55436

client
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6200 INTERLACHEN BLVD

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I hereby certify that this plan, specification or report 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.

NATHANIEL P. ANDERSON
PRINTED NAME
SIGNATURE
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59311
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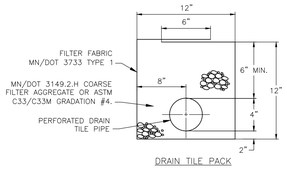
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project no.	issue date
8566.20	2026-05-12
drawn	checked
WH	KAB

sheet title
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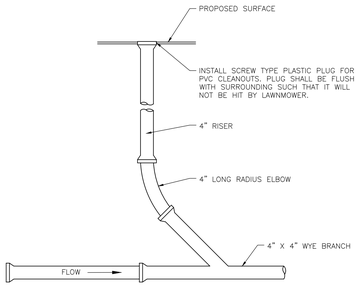
C502

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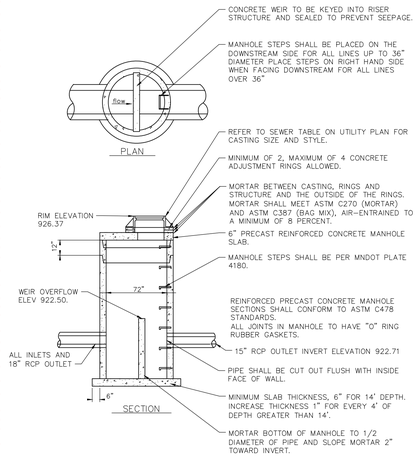


DRAIN TILE PACK

7 C503 DRAIN TILE PACK
NOT TO SCALE

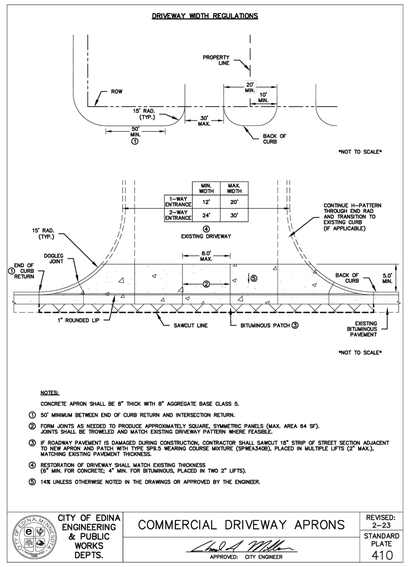


8 C503 SEWER CLEANOUT IN PERVIOUS AREA
NOT TO SCALE

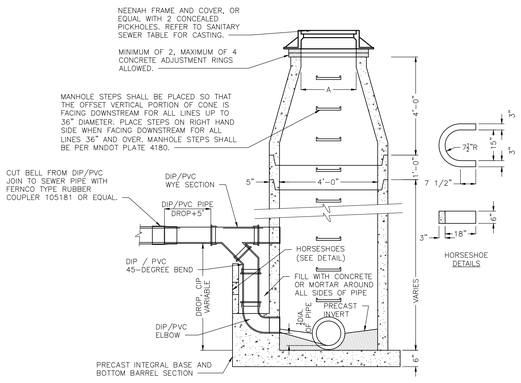


9 C503 STORM SEWER MANHOLE WITH WEIR
NOT TO SCALE

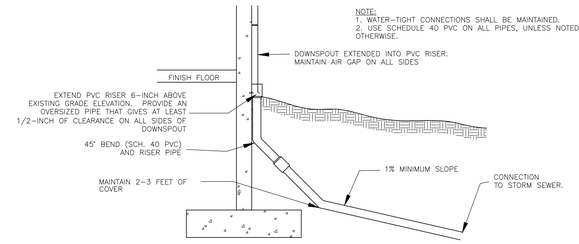
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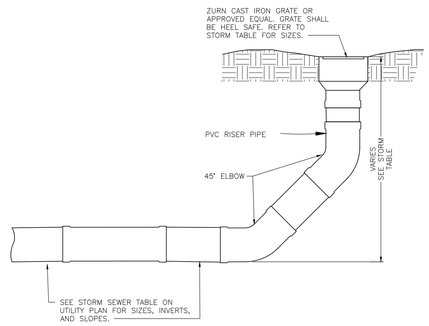
4 C503 DRIVEWAY ENTRANCE
NOT TO SCALE



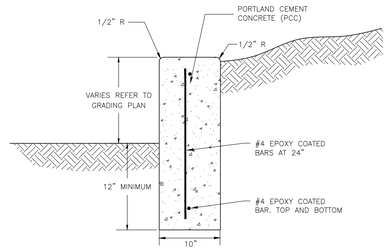
5 C503 SANITARY SEWER OUTSIDE DROP
NOT TO SCALE



1 C503 DOWNSPOUT DRAIN WITH RISER CONNECTION
NOT TO SCALE

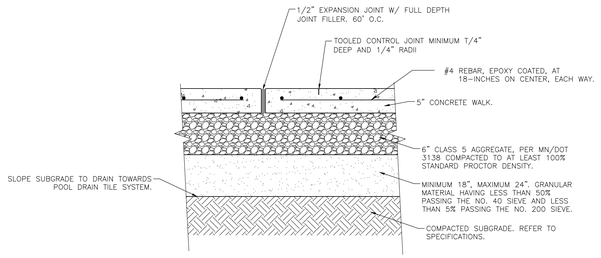


2 C503 TYPICAL YARD DRAIN INLET PIPE
NOT TO SCALE



NOTE:
1: CONSTRUCT CURB AND GUTTER IN ACCORDANCE WITH MNDOT SPECIFICATION 2531.

3 C503 VERTICAL CURB
NOT TO SCALE



NOTE:
1: JOINT SPACING SHALL BE A MAXIMUM OF 6-FEET ON CENTER.

6 C503 POOL DECK CONCRETE
NOT TO SCALE

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seal

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8566.20	2026-05-12
drawn	checked
WH	KAB

sheet title
CIVIL DETAILS

C503

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VICINITY MAP
EDINA, MINNESOTA

N

40' 20' 0 40' 80'
SCALE 1" = 40'

EXISTING DRAINAGE AREAS

DRAINAGE AREA	IMPERVIOUS AREA (ACRES)	PERVIOUS AREA (ACRES)	TOTAL AREA (ACRES)	Q OUT (CFS) STORM EVENT 2-YEAR (2.87")	10-YEAR (4.29")	100-YEAR (7.47")	ROUTING
1	0.63	1.41	2.04	5.27	9.28	18.65	SOUTH TO INTERLACHEN BLVD
2	0.75	0.14	0.89	3.64	5.63	10.11	NORTH TO EXISTING WETLAND
3	0.22	1.45	1.67	3.30	6.20	13.09	SHEET FLOWS WEST, DRAINS TO MIRROR LAKE
4	0.14	0.00	0.14	0.62	0.93	1.63	NORTH TO EXISTING WETLAND
TOTAL	1.74	3.00	4.74	12.83	22.04	43.48	

PROPOSED DRAINAGE AREAS

DRAINAGE AREA	IMPERVIOUS AREA (ACRES)	PERVIOUS AREA (ACRES)	TOTAL AREA (ACRES)	Q OUT (CFS) STORM EVENT 2-YEAR (2.87")	10-YEAR (4.29")	100-YEAR (7.47")	ROUTING
1	1.07	0.18	1.25	–	–	–	FILTRATION SYSTEM
2	0.36	0.03	0.39	1.63	2.49	4.40	NORTH TO EXISTING WETLAND
3	0.09	1.73	1.82	3.04	5.94	12.91	SHEET FLOWS WEST, DRAINS TO MIRROR LAKE
4	0.45	0.69	1.14	3.16	5.41	10.64	SOUTH TO INTERLACHEN BLVD
5	0.14	0.00	0.14	–	–	–	FILTRATION SYSTEM
FILTRATION SYSTEM	–	–	–	0.20	0.20	1.11	SOUTH TO INTERLACHEN BLVD
FILTRATION SYSTEM BYPASS	–	–	–	0.00	1.51	6.66	SOUTH TO INTERLACHEN BLVD
TOTAL	2.11	2.63	4.74	8.03	15.55	35.72	

STORMWATER RUNOFF SUMMARY

	2-YR STORM (2.87") RUNOFF (CFS)	10-YR STORM (4.29") RUNOFF (CFS)	100-YR STORM (7.47") RUNOFF (CFS)
EXISTING SITE	12.83	22.04	43.48
PROPOSED SITE	8.03	15.55	35.72

1

SPECIAL AND IMPAIRED WATERS
THESE SPECIAL AND IMPAIRED WATERS ARE LOCATED WITHIN ONE MILE (AERIAL RADIUS) OF THE PROJECT LIMITS AND RECEIVE RUNOFF FROM THE PROJECT SITE. DUE TO THE PROXIMITY OF THESE SPECIAL AND IMPAIRED WATERS, THE BMPS DESCRIBED IN SECTION 23 OF THE NPDES PERMIT WILL APPLY TO ALL AREAS OF THE SITE.

WATERBODY	IMPAIRMENT(S)
MINNEHAHA CREEK	AQL, AQR

MINIMUM ESTIMATED QUANTITIES FOR EROSION CONTROL

ITEM DESCRIPTION	ESTIMATED QUANTITY	
DRAINAGE STRUCT. INLET FILTER	43	EACH
ROCK CONSTRUCTION ENTRANCE	1	EACH
CONCRETE WASHOUT	1	EACH
SILT FENCE	1971	LF
BIO FILTRATION LOG	222	LF

NOTE: QUANTITIES SHOWN ARE THE MINIMUM REQUIRED, ADDITIONAL QUANTITIES MAY BE NEEDED IF REQUIRED BY THE MPCA, WATERSHED DISTRICT, OR CITY. CONTRACTOR IS RESPONSIBLE FOR FINAL DETERMINATION OF QUANTITIES PRIOR TO CONSTRUCTION.

SEDIMENT AND EROSION CONTROL MAINTENANCE
PERIMETER SEDIMENT CONTROL PRACTICES: WHEN SEDIMENT REACHES 1/3 THE HEIGHT OF THE BMP, THE SEDIMENT MUST BE REMOVED WITHIN 24 HOURS. IF PERIMETER SEDIMENT CONTROL HAS BEEN DAMAGED OR IS NOT FUNCTIONING PROPERLY, IT MUST BE REPAIRED AND/OR REPLACED WITHIN 24 HOURS. PERIMETER BMP MEASURES MAY INCLUDE SILT FENCING.

CONSTRUCTION SITE VEHICLE EXIT LOCATIONS: ALL TRACKED SEDIMENT ONTO PAVED SURFACES MUST BE REMOVED WITHIN 24 HOURS OF DISCOVERY OR MORE FREQUENTLY IF REQUIRED BY CITY OR WATERSHED.

CONSTRUCTION SITE DEWATERING:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL DEWATERING PERMITS. DISCHARGE FROM ALL DEWATERING OPERATIONS SHALL BE DIRECTED TO ON-SITE DEPRESSIONS. NO DISCHARGE FROM DEWATERING OPERATIONS SHALL BE DIRECTED OFF-SITE TOWARDS A WATER OF THE STATE.

CONSTRUCTION ACTIVITY EROSION PREVENTION PRACTICES
CONTRACTOR SHALL STABILIZE ALL EXPOSED SOIL AREAS (INCLUDING STOCKPILES). STABILIZATION MUST BE INITIATED IMMEDIATELY TO LIMIT SOIL EROSION WHENEVER ANY CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 7 CALENDAR DAYS. STABILIZATION MUST BE COMPLETED NO LATER THAN 7 CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

FOR PUBLIC WATER THAT THE DNR HAS PROMULGATED "WORK IN WATER RESTRICTIONS" DURING SPECIFIED FISH SPAWNING TIME FRAMES, ALL EXPOSED SOIL AREAS THAT ARE WITHIN 200 FEET OF THE WATER'S EDGE, AND DRAIN TO THESE WATERS MUST COMPLETE THE STABILIZATION ACTIVES WITHIN 24 HOURS DURING THE RESTRICTION PERIOD.

PIPE OUTLETS MUST BE PROVIDED WITH TEMPORARY OR PERMANENT ENERGY DISSIPATION WITHIN 24-HOURS AFTER CONNECTION TO A SURFACE WATER.

SEDIMENT CONTROL MEASURES MUST BE INSTALLED ON ALL DOWN GRADIENT PERIMETERS BEFORE ANY UPGRADIENT LAND DISTURBING ACTIVITIES BEGIN.

PORTABLE TOILET NOTES:
1. PORTABLE TOILETS POSE AN ENVIRONMENTAL HAZARD WHEN PLACED IN THE VICINITY OF STORM DRAINS OR BODIES OF WATER. PORTABLE TOILET CLEANING ACTIVITIES CAN ALSO GENERATE POLLUTANTS THAT CAN DEGRADE WATER QUALITY.
2. PORTABLE TOILET PLACEMENT:
   - 2.1. PLACE PORTABLE TOILETS ON FLAT STABLE GROUND WITH CLEAR ACCESS TO THE UNITS.
   - 2.2. LOCATE TOILETS A MINIMUM OF 20 FEET FROM ANY WATER BODY AND 10 FEET FROM ANY CURB AND GUTTER. IF UNFEASIBLE, AN EARTHERN BERM OR SAND BAG BERM SHALL BE PLACED AROUND THE UNIT FOR SPILL AND LEAK CONTAINMENT.
   - 2.3. AVOID PLACING TOILETS ON IMPERVIOUS SURFACES THAT WILL QUICKLY DRAIN TO STORM SEWERS.
   - 2.4. LOCATE TOILETS SO THAT EXPOSURE TO TRAFFIC AND MOVING EQUIPMENT IS MINIMIZED.
   - 2.5. SECURE TOILETS TO THE GROUND WITH STAKES OR CABLES.
   - 2.6. RINSE WATER FROM CLEANING ACTIVITIES SHALL NOT BE DISPOSED ON SITE.
3. REGULARLY CHECK TOILETS FOR DAMAGE, LEAKS AND SPILLS AS PART OF THE WEEKLY STORMWATER SITE INSPECTION.
4. OWNER IDENTIFICATION AND CONTACT INFORMATION SHALL BE DISPLAYED IN A PROMINENT LOCATION ON EACH UNIT.

OTHER NOTES:
1. LONG TERM MAINTENANCE OF THE SITE WILL BE PERFORMED BY THE OWNER, INTERLACHEN COUNTRY CLUB. INCLUDED MAINTENANCE FOR STORMWATER DEVICES SHALL BE:
   - 1.1. INSPECT SUMP CATCH BASINS ON A BIANNUAL BASIS, ONCE IN THE SPRING AND ONCE IN THE FALL
   - 1.2. CLEAN SUMP CATCH BASINS OF SEDIMENT AND DEBRIS ANNUALLY OR WHEN SEDIMENTS FILL $\frac{1}{2}$ OF THE STORAGE VOLUME.
   - 1.3. INSPECT FILTRATION TANK SYSTEM ON A ANNUAL BASIS.
2. THIS SWPPP WAS PREPARED BY PERSONNEL THAT ARE CERTIFIED IN THE DESIGN OF CONSTRUCTION SWPPPS. COPIES OF THE CERTIFICATIONS ARE ON FILE WITH BKBM AND ARE AVAILABLE UPON REQUEST.
3. THIS SWPPP DOCUMENT MUST BE AMENDED AS NECESSARY DURING CONSTRUCTION IN ORDER TO KEEP IT CURRENT WITH THE POLLUTANT CONTROL MEASURES UTILIZED AS THE SITE. THE SITE MAP SHOWING LOCATIONS OF ALL STORM WATER CONTROLS MUST BE POSTED ON THE SITE AND UPDATED TO REFLECT THE PROGRESS OF CONSTRUCTION.

PROJECT NARRATIVE
EXISTING SITE DESCRIPTION -- THE PROJECT IS LOCATED AT THE INTERLACHEN COUNTRY CLUB IN EDINA, MN. THE SITE IS LOCATED IN MINNEHAHA CREEK WATERSHED DISTRICT. THE SITE CONSISTS OF A GOLF COURSE AND MULTIPLE BUILDINGS. THE PROJECT SITE DISCHARGES NORTH TO AN ONSITE WET POND, AND SOUTH TO INTERLACHEN BOULEVARD. THERE ARE MULTIPLE STORMWATER MANAGEMENT FACILITIES ONSITE.

PROPOSE SITE DESCRIPTION -- THE PROPOSED DEVELOPMENT CONSISTS OF SHIFTING THE DRIVE ENTRANCE LOCATION EAST, A GUARD HOUSE AT THE DRIVE ENTRANCE, A NEW DRIVE UP TO THE CLUBHOUSE, EXPANDED TRUCK MOVEMENT AREA AT THE LOADING DOCK, REVISED POOL DECK AREA INCLUDING A NEW CHANGING AREA BUILDING AND CONCESSION BUILDING. THE AMOUNT OF NEW AND FULLY RECONSTRUCTED IMPERVIOUS SURFACES IS 1.76 AC. STORMWATER MANAGEMENT FOR THIS DEVELOPMENT WILL BE PROVIDED BY AN UNDERGROUND FILTRATION SYSTEM UNDER THE DRIVING RANGE ON THE SOUTH SIDE OF THE SITE.

FINAL STABILIZATION
STABILIZATION BY UNIFORM PERENNIAL VEGETATIVE COVER (70% DENSITY)

DRAINAGE DITCHES STABILIZED.

ALL TEMPORARY SYNTHETIC AND STRUCTURAL BMP'S REMOVED.

CLEAN OUT SEDIMENT FROM CONVEYANCES AND SEDIMENTATION BASINS (RETURN TO DESIGN CAPACITY).

GRADING & SOILS
BASED ON SOIL BORING(S) PROVIDED BY BRAUN INTERTEC SOILS TYPICALLY FOUND ON THIS PROJECT ARE: CL, SC, SM, AND SP

REFER TO THE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

INSPECTIONS
EXPOSED SOIL AREAS: ONCE EVERY 7 DAYS AND WITHIN 24 HOURS FOLLOWING A 1/2 INCH OVER 24 HOURS RAIN EVENT.

STABILIZED AREAS: ONCE EVERY 30 DAYS.

FROZEN GROUND: AS SOON AS RUNOFF OCCURS OR PRIOR TO RESUMING CONSTRUCTION.

RECORDS: A COPY OF THE GRADING, DRAINAGE EROSION CONTROL PLAN AND WATERSHED DATA & SWPPP PLANS AS WELL AS THE INSPECTIONS/MAINTENANCE LOGS ARE TO BE KEPT EITHER IN THE FIELD OFFICE, INSPECTOR'S VEHICLE, OR CONTRACTOR'S VEHICLE.

HANDLING AND STORAGE OF HAZARDOUS MATERIALS:
IF THE CONTRACTOR INTENDS TO USE POLYMERS, FLOCCULANTS, OR OTHER SEDIMENTATION TREATMENT CHEMICALS ON THE PROJECT SITE, THE CONTRACTOR MUST COMPLY WITH THE FOLLOWING MINIMUM REQUIREMENTS:

1. THE CONTRACTOR MUST USE CONVENTIONAL EROSION AND SEDIMENT CONTROLS PRIOR TO CHEMICAL ADDITION TO ENSURE EFFECTIVE TREATMENT. CHEMICALS MAY ONLY BE APPLIED WHERE TREATED STORMWATER IS DIRECTED TO A SEDIMENT CONTROL SYSTEM WHICH ALLOWS FOR FILTRATION OR SETTLEMENT OF THE FLOC PRIOR TO DISCHARGE.
2. CHEMICALS MUST BE SELECTED THAT ARE APPROPRIATELY SUITED TO THE TYPES OF SOILS LIKELY TO BE EXPOSED DURING CONSTRUCTION, AND TO THE EXPECTED TURBIDITY, PH, AND FLOW RATE OF STORMWATER FLOWING INTO THE CHEMICAL TREATMENT SYSTEM OR AREA.
3. CHEMICALS MUST BE USED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES, AND WITH DOSING SPECIFICATIONS AND SEDIMENT REMOVAL DESIGN SPECIFICATIONS PROVIDED BY THE MANUFACTURER OR PROVIDER/SUPPLIER OF THE APPLICABLE CHEMICALS.

ON-SITE FUEL TANKS REQUIRE SECONDARY CONTAINMENT AS REQUIRED BY THE PERMIT. PORTABLE FUEL TRUCKS SHALL HAVE THEIR SPILL KITS AVAILABLE DURING FUELING. SPILLS GREATER THAN 5 GALLONS MUST BE REPORTED TO THE PROPER AUTHORITIES.

NOTE:
THE STORM WATER POLLUTION PREVENTION PLAN FOR THIS PROJECT INCLUDES THE CIVIL ENGINEERING PLANS AND THE PROJECT MANUAL.

CONTRACTOR SHALL SUPPLY CONSTRUCTION PHASING NARRATIVE, ESTIMATED PRELIMINARY QUANTITIES OF ALL EROSION PREVENTION AND SEDIMENT CONTROL BMP'S ANTICIPATED AT THE START OF THE PROJECT AND FOR THE LIFE OF THE PROJECT, AND LOCATION OF AREAS WHERE CONSTRUCTION WILL BE PHASED TO MINIMIZE DURATION OF EXPOSED SOIL AREAS. CONTRACTOR IS TO REVIEW MINNESOTA POLLUTION CONTROL AGENCY'S INSTRUCTIONS FOR THE APPLICATION FOR MINNESOTA'S NPDES/SDS GENERAL STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY PRIOR TO SUBMITTING APPLICATION.

MECHANICAL AND NON STORMWATER DISCHARGES, EXISTING AND PROPOSED
1. WATER LINE FLUSHING
2. LANDSCAPE IRRIGATION
3. DISCHARGE FROM POTABLE WATER SOURCES
4. FOUNDATION DRAINS
5. AIR CONDITIONING CONDENSATION
6. WATER FROM CRAWL SPACE PUMPS
7. DE-CHLORINATED SWIMMING POOL DISCHARGES
8. STREET WASH WATERS
9. BUILDING WASH WATERS WITHOUT DETERGENTS.

AGENCY CONTACTS
CITY OF EDINA
ENGINEERING DEPARTMENT
PHONE: (952) 826-0371

MINNESOTA POLLUTION CONTROL AGENCY
PHONE: (651) 296-6300

MINNEHAHA CREEK WATERSHED DISTRICT
PHONE: (952) 471-0590

OWNER
INTERLACHEN COUNTRY CLUB
6200 INTERLACHEN BLVD.
EDINA, MN, 55436
PHONE: (952) 929-1661

NOTE:
THE CONTRACTOR MUST COMPLETE, SIGN, OBTAIN OWNERS SIGNATURE, PAY FEE, AND SEND IN THE NPDES PERMIT APPLICATION. CONTRACTOR SHALL PROVIDE A CERTIFIED EROSION CONTROL SUPERVISOR. SWPPP DOCUMENTATION, INCLUDING INSPECTION REPORTS SHALL BE RETAINED FOR A PERIOD OF THREE (3) YEARS. DESIGN CALCULATIONS ARE ON FILE AT BKBM.

THE OWNER AND CONTRACTOR ARE RESPONSIBLE FOR IMPLEMENTATION OF THE SWPPP AND INSTALLATION, INSPECTION, AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BMPS, BEFORE, DURING, AND AFTER CONSTRUCTION UNTIL THE NOTICE OF TERMINATION HAS BEEN FILED.

STOCKPILES:
ON-SITE STOCKPILES OF SOIL SHALL HAVE PERIMETER SEDIMENT CONTROL. STOCKPILES SHALL BE STABILIZED WITH BLANKETS, TARPS, OR HYDRO MULCH IF LEFT ON-SITE FOR MORE THAN 7 DAYS.

TEMPORARY SEDIMENT BASINS:
TEMPORARY SEDIMENT BASINS SHALL BE PROVIDED PER APPENDIX A, SECTION C.1.B OF THE MPCA GENERAL STORMWATER PERMIT.

SWPPP IMPLEMENTATION, INSTALLATION, INSPECTION, AND BMP MAINTENANCE SHALL BE PERFORMED BY THE CONTRACTOR.

NAME: _____

CERTIFICATION #:_____

DATE: _____

NOTE:
AN AS-BUILT SURVEY OF ALL STORMWATER BMPS FILTRATION TANK SYSTEM, OUTLET STRUCTURES, DRAIN TILE, SUMP CATCH BASINS, ETC..) SHALL BE SUBMITTED TO MINNEHAHA CREEK WATERSHED DISTRICT
PRIOR TO PROJECT CLOSEOUT. THE AS-BUILT SURVEY SHALL INCLUDE THE FILTRATION TANK SYSTEM DRAIN TILE INVERTS AND LAYOUT FOR VERIFICATION THAT THE SYSTEM WAS INSTALLED PROPERLY AND THAT 18-INCHES OF SAND/FILTRATION MIX OVER THE TOP OF THE DRAIN TILE HAS BEEN PROVIDED.

POLLUTION PREVENTION MANAGEMENT MEASURES
SOLID WASTE DISPOSED PROPERLY; COMPLY WITH MPCA REQUIREMENTS.

HAZARDOUS WASTE STORED (SECONDARY CONTAINMENT, RESTRICTED ACCESS) AND DISPOSED IN COMPLIANCE WITH MPCA REQUIREMENTS.

NO EXTERNAL WASHING OF TRUCKS AND OTHER CONSTRUCTION ALLOWED ON-SITE.

CONCRETE WASHOUT ON-SITE: ALL LIQUID AND SOLID WASTES GENERATED BY CONCRETE WASHOUT OPERATIONS MUST BE CONTAINED IN A LEAK-PROOF CONTAINMENT FACILITY OR IMPERMEABLE LINER. A COMPACTED CLAY LINER THAT DOES NOT ALLOW LIQUIDS TO ENTER GROUND WATER IS CONSIDERED AN IMPERMEABLE LINER. THE LIQUID AND SOLID WASTES MUST NOT CONTACT THE GROUND, AND THERE MUST NOT BE RUNOFF FROM THE CONCRETE WASHOUT OPERATIONS OR AREAS. LIQUID AND SOLID WASTES MUST BE DISPOSED OF PROPERLY AND IN COMPLIANCE WITH MPCA REGULATIONS. A SIGN MUST BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES. THE CONCRETE WASHOUT AREA INDICATED ON THE PLANS IS SHOWN IN AN APPROXIMATE LOCATION. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION IN ACCORDANCE WITH MPCA REQUIREMENTS.

STORAGE HANDLING AND DISPOSAL OF CONSTRUCTION PRODUCTS, MATERIALS, AND WASTES:

BUILDING PRODUCTS THAT HAVE THE POTENTIAL TO LEACH POLLUTANTS MUST BE UNDER COVER.

PESTICIDES, HERBICIDES, INSECTICIDES, FERTILIZERS, TREATMENT CHEMICALS, AND LANDSCAPE MATERIALS MUST BE UNDER COVER.

HAZARDOUS MATERIALS, TOXIC WASTE (INCLUDING OIL, DIESEL FUEL, GASOLINE, HYDRAULIC FLUIDS, PAINT SOLVENTS, PETROLEUM-BASED PRODUCTS, WOOD PRESERVATIVES, ADDITIVES, CURING COMPOUNDS, AND ACIDS MUST BE PROPERLY STORED IN SEALED CONTAINERS TO PREVENT SPILLS, LEAKS, OR OTHER DISCHARGES.

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BKBM Project No. 26113

project title
INTERLACHEN COUNTRY CLUB
POOL DECK
6200 INTERLACHEN BLVD
EDINA, MN 55436

client
INTERLACHEN COUNTRY CLUB
EDINA, MN 55436
6200 INTERLACHEN BLVD

seal

I hereby certify that this plan, specification or report 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.

NATHANIEL P. ANDERSON
PRINTED NAME

SIGNATURE

2026-05-12
DATE ISSUED

59311
REG. NO.

BID / PERMIT SET
CONSTRUCTION DOCUMENTS

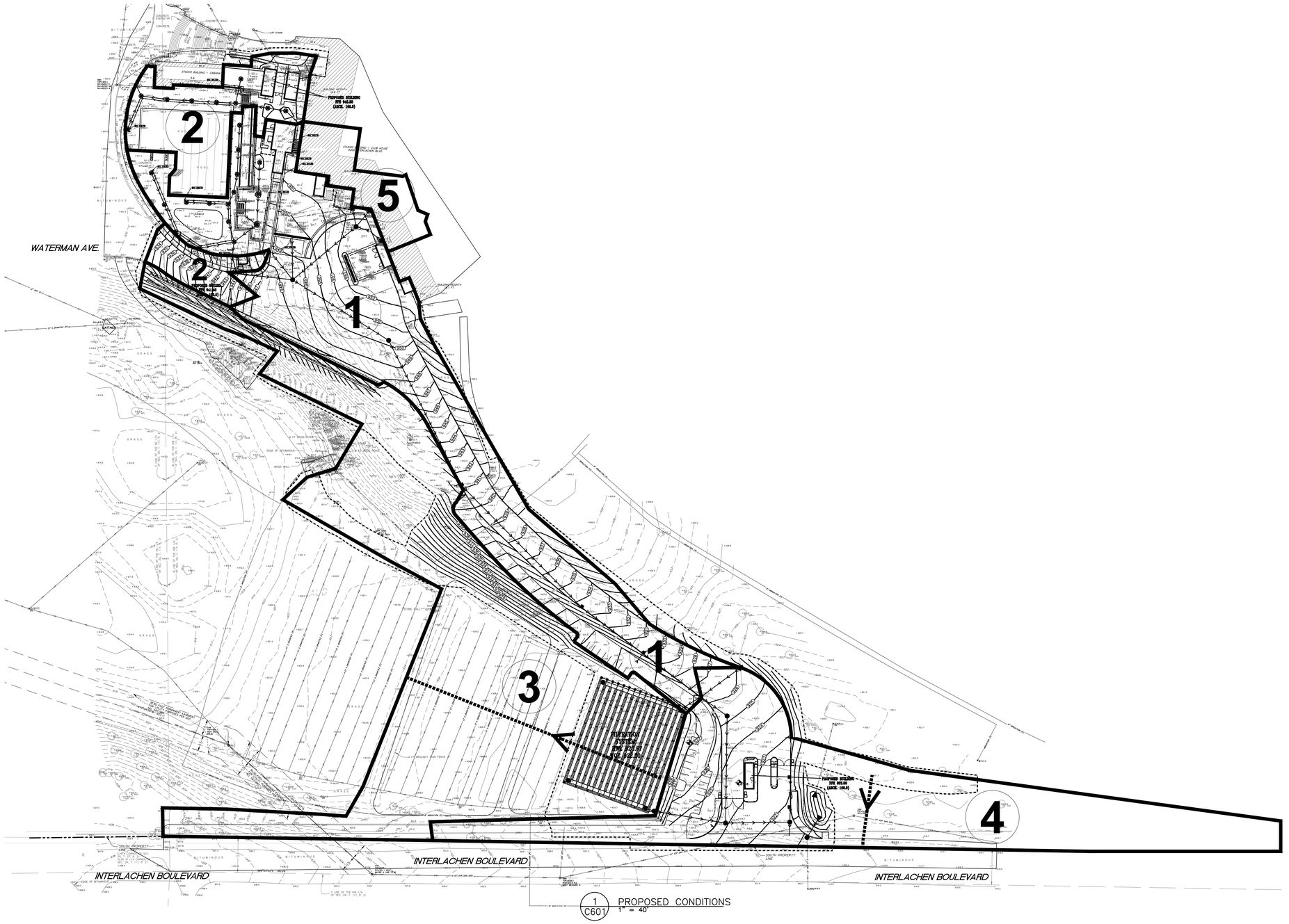
no.	date	issued for
1	06/19/2026	Watershed Comments

project no.	issue date
8566.20	2026-05-12
drawn	checked
WH	KAB

sheet title
STORM WATER POLLUTION PREVENTION PLAN - EXISTING CONDITIONS

C600

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1 C601 PROPOSED CONDITIONS
1" = 40'

N

40' 20' 0 40' 80'
SCALE 1" = 40'

EXISTING DRAINAGE AREAS

DRAINAGE AREA	IMPERVIOUS AREA (ACRES)	PERVIOUS AREA (ACRES)	TOTAL AREA (ACRES)	Q OUT (CFS) STORM EVENT 2-YEAR (2.87")	10-YEAR (4.29")	100-YEAR (7.47")	ROUTING
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seal

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NATHANIEL P. ANDERSON
PRINTED NAME

SIGNATURE

2026-05-12
DATE ISSUED

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CONSTRUCTION DOCUMENTS

no.	date	issued for
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project no.	issue date
8566.20	2026-05-12
drawn	checked
WH	KAB

sheet title
STORM WATER POLLUTION PREVENTION PLAN - PROPOSED CONDITIONS

C601

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