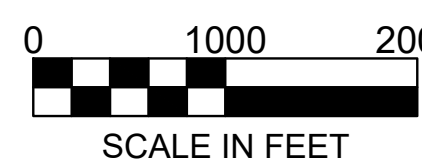


PROJECT LOCATION

LOCATION MAP



CIVIL PLAN ABBREVIATIONS:

AC	ACRE	CI	CONTROL JOINT	EOF	EMERGENCY OVERFLOW	GL	GUTTER LINE	IPS	IRON PIPE SIZE	NWL	NORMAL WATER LEVEL	RCP	REINFORCED CONCRETE PIPE	THRU	THROUGH
ADA	AMERICANS WITH DISABILITIES ACT	CL	CENTERLINE	EQ	EQUAL	GPM	GALLONS PER MINUTE	J-BOX	JUNCTION BOX	OC	ON CENTER	RD	ROOF DRAIN	TNFH	TOP NUT OF FIRE HYDRANT
ADD	ADDENDUM	CMP	CORRUGATED METAL PIPE	EX	EXISTING	GV	GATE VALVE	JT	JOINT	OCEW	ON CENTER EACH WAY	REBAR	REINFORCING BAR	TRANS	TRANSFORMER
AFF	ABOVE FINISHED FLOOR	CO	CLEANOUT	FDC	FIRE DEPARTMENT CONNECTION	HDPE	HIGH DENSITY POLYETHYLENE	LF	LINEAR FEET	OH	OVERHEAD	REM	REMOVE	TV	TELEVISION
AGG	AGGREGATE	CONC	CONCRETE	FDN	FOUNDATION	HD	HEAVY DUTY	LIN	LINEAR	OHD	OVERHEAD DOOR	ROW	RIGHT OF WAY	T/W	TOP OF WALL
APPROX	APPROXIMATE	CONST	CONSTRUCTION	FES	FINISHED FLOOR ELEVATION	HH	HANDHOLE	LPS	LOW PRESSURE STEAM	OZ	OUNCE	R/W	RIGHT OF WAY	TYP	TYPICAL
ARCH	ARCHITECT, ARCHITECTURAL	CONT	CONTINUOUS	FFE	FINISHED FLOOR ELEVATION	HORIZ	HORIZONTAL	LUM	LUMP SUM	PED	PEDESTAL PEDESTRIAN	SAN	SANITARY	UT	UTILITY, UNDERGROUND
BFE	BASEMENT FLOOR ELEVATION	CT	CUBIC YARD	FPM	FEET PER MINUTE	HR	HOUR	ISO	LOWEST STRUCTURAL OPENING	PERF	PERFORATED	SCH	SCHEDULE	VCP	VITRIFIED CLAY PIPE
BIT	BITUMINOUS	CBG	CURB AND GUTTER	FPS	FEET PER SECOND	HWL	HIGH WATER LEVEL	PL	PROPERTY LINE	SF	SQUARE FOOT	SPC	SPECIFICATION	W/O	WITHOUT
CAD	COMPUTER-AIDED DESIGN	DEMO	DEMOLITION	FT	FOOT, FEET	HWY	HIGHWAY	PP	POLYPROPYLENE	SQ	SQUARE	SPEC	SPECIFICATION	W/	WITH
CB	CATCH BASIN	DIA	DIAMETER	FTG	FOOTING	HYD	HYDRANT	PSI	POUNDS PER SQUARE INCH	SO	SQUARE	STA	STATION	YD	YARD
CFS	CUBIC FEET PER SECOND	DIM	DIMENSION	I	INVERT	MECH	MECHANICAL	PVC	POLYVINYL CHLORIDE	STA	STATION	SY	SQUARE YARD	YR	YEAR
CF	CUBIC FOOT	DS	DOWNSPOUT	INCH	INCH	MIN	MINIMUM	PVMT	PAVEMENT	T/C	TOP OF CURB	SY	SQUARE YARD		
CI	CAST IRON	EA	EACH	INCH	INCH	MISC	MISCELLANEOUS	QTY	QUANTITY	T/C	TOP OF CURB	TEL	TELEPHONE		
CIP	CAST IRON PIPE	ELEC	ELECTRICAL	GC	GENERAL CONTRACTOR	INV	INVERT	R	RIM	TEL	TELEPHONE	TEMP	TEMPORARY		
CIPC	CAST IN PLACE CONCRETE	ELEV	ELEVATION	GE	GARAGE FLOOR ELEVATION	IP	IRON PIPE	NTS	NOT TO SCALE	RAD	RADIUS				

SITE SUMMARY

PROJECT ADDRESS/LOCATION:	14600 FERRET ST NW
LEGAL DESCRIPTION:	Lot 2, Block 1, Hy-10 Ramsey, together with that part of the Southwest Quarter of the Northeast Quarter of Section 29, Township 32, Range 25, lying Northeasterly of Northeasterly Right-of-Way line of Burlington Northern Railroad and Lot 1, Block 1, Hy-10 Ramsey, Anoka County, Minnesota
ZONING:	E-3 (EMPLOYMENT DISTRICT)
ADJACENT ZONING:	EAST: B-3 BUSINESS DISTRICT, NORTH: E-3 & B-3, SOUTH: RAIL
SITE/LOT AREA:	561,355 SF (12.89 AC)
IMPERVIOUS AREA:	258,688 SF (5.94 AC) 46.1%
GREENSPACE:	302,667 SF (6.95 AC) 53.9%
TOTAL BUILDING AREA:	179,198 SF
BUILDING COVERAGE:	31.9%

REQUIRED SETBACKS

	PARKING	BUILDING
FRONT YARD	20'-0"	35'-0"
SIDE YARD	20'-0"	25'-0"
REAR YARD	20'-0"	25'-0"

PARKING DATA

LAND USE CLASSIFICATION	ATHLETIC COMPLEX
EMPLOYEES	2 FULL-TIME & 6 PART-TIME
PARKING SPACES REQUIRED (CODE)	N/A
GOVERNING INFORMATION	N/A
PARKING SPACES PROVIDED	
	PARKING STALLS PROVIDED
STANDARD	130
ACCESSIBLE	5
TOTAL	135

PROJECT GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER - CONTRACTOR AGREEMENT, THE PROJECT MANUAL (WHICH INCLUDES GENERAL SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS), DRAWINGS OF ALL DISCIPLINES AND ALL ADDENDA, MODIFICATIONS, AND CLARIFICATIONS ISSUED BY ARCHITECT/ENGINEER.
- CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED, AND CONDITIONED ACCORDING TO MANUFACTURERS' INSTRUCTIONS. IN CASE OF DISCREPANCIES BETWEEN MANUFACTURERS' INSTRUCTIONS AND THE CONTRACT DOCUMENTS, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
- THE LOCATION AND TYPE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF I & S GROUP, INC. NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS, AND ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
- THE CONTRACTOR IS TO CONTACT "GOPHER STATE ONE CALL" FOR UTILITY LOCATIONS A MINIMUM OF 2 BUSINESS DAYS PRIOR TO ANY EXCAVATION / CONSTRUCTION (1-800-252-1166).

SPECIFICATIONS REFERENCE

ALL CONSTRUCTION SHALL COMPLY WITH THE 2018 CITY OF RAMSEY ENGINEERING DESIGN STANDARDS AND MNDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2020 EDITION, THE STANDARD SPECIFICATIONS FOR SANITARY SEWER, STORM DRAIN AND WATERMAIN AS PROPOSED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA 2018, AND THE CURRENT VERSION OF THE MINNESOTA STATE PLUMBING CODE UNLESS DIRECTED OTHERWISE.

PROJECT DATUM

HORIZONTAL COORDINATES HAVE BEEN REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). 1996 ADJUSTMENT (NAD83(1996)) ON THE RAMSEY COUNTY COORDINATE SYSTEM, IN U.S. SURVEY FEET. ELEVATIONS HAVE BEEN REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). RTK GPS METHODS WERE USED TO ESTABLISH HORIZONTAL AND VERTICAL COORDINATES FOR THIS PROJECT.

TOPOGRAPHIC SURVEY

THIS PROJECT'S TOPOGRAPHIC SURVEY CONSISTS OF DATA COLLECTED IN JANUARY 2022 BY ISG INC.

OWNER:

DUSTIN REEDER, PRESIDENT  
**ANOKA RAMSEY ATHLETIC ASSOCIATION**  
 PO BOX 265  
 ANOKA, MN 55303

LEGEND

	EXISTING CITY LIMITS
	EXISTING QUARTER SECTION LINE
	EXISTING RIGHT OF WAY LINE
	EXISTING PROPERTY / LOT LINE
	EXISTING EASEMENT LINE
	EXISTING ACCESS CONTROL
	EXISTING WATER EDGE
	EXISTING WETLAND BOUNDARY
	EXISTING WETLAND / MARSH
	EXISTING FENCE LINE
	EXISTING CULVERT
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING SANITARY SEWER FOREMAIN
	EXISTING WATER
	EXISTING GAS
	EXISTING OVERHEAD ELECTRIC
	EXISTING UNDERGROUND ELECTRIC
	EXISTING UNDERGROUND TELEPHONE
	EXISTING UNDERGROUND TV
	EXISTING OVERHEAD UTILITY
	EXISTING UNDERGROUND UTILITY
	EXISTING UNDERGROUND FIBER OPTIC
	EXISTING CONTOUR (MAJOR)
	EXISTING CONTOUR (MINOR)
	EXISTING DECIDUOUS TREE
	EXISTING CONIFEROUS TREE
	EXISTING TREE LINE
	EXISTING MANHOLE/STRUCTURE
	EXISTING CATCH BASIN
	EXISTING HYDRANT
	EXISTING VALVE
	EXISTING CURB STOP
	EXISTING POWER POLE
	EXISTING UTILITY PEDESTAL / CABINET
	PROPOSED LOT LINE
	PROPOSED RIGHT OF WAY
	PROPOSED EASEMENT
	PROPOSED CULVERT
	PROPOSED STORM SEWER
	PROPOSED STORM SEWER (PIPE WIDTH)
	PROPOSED SANITARY SEWER
	PROPOSED SANITARY SEWER (PIPE WIDTH)
	PROPOSED WATER
	PROPOSED GAS
	PROPOSED OVERHEAD ELECTRIC
	PROPOSED UNDERGROUND ELECTRIC
	PROPOSED UNDERGROUND TV
	PROPOSED CONTOUR
	PROPOSED MANHOLE (STORM, SANITARY)
	PROPOSED CATCH BASIN
	PROPOSED HYDRANT
	PROPOSED VALVE

CIVIL SHEET INDEX

C0-10	SITE DATA
C0-20	SITE DETAILS
C0-21	SITE DETAILS
C0-22	SITE DETAILS
C0-23	SITE DETAILS
C0-24	SITE DETAILS
C1-10	SWPPP NARRATIVE
C1-20	SWPPP DETAILS
C1-30	PRE- CONSTRUCTION SWPPP
C1-40	PROPOSED SWPPP
C2-10	EXISTING SITE AND REMOVAL PLAN
C2-11	TREE INVENTORY AND PRESERVATION PLAN
C3-10	SITE PLAN
C3-11	FIRE ACCESS ROUTE
C3-12	FUTURE SITE PLAN
C3-20	UTILITY PLAN
C3-21	HYDRANT COVERAGE PLAN
C3-30	UTILITY SCHEDULES
C4-10	OVERALL GRADING PLAN
C5-10	PLANTING AND RESTORATION PLAN
C5-20	PLANTING NOTES AND DETAILS
C6-10	PHOTOMETRIC PLAN
C6-20	PHOTOMETRIC DETAILS

B.M. ELEVATION=884.89

MNDOT CONCRETE MONUMENT #66054  
 PUMA MNDT RM 1 LOCATED NEAR  
 TH 10 MILEPOINT 219.45

MANAGING OFFICE:

MINNEAPOLIS WEST OFFICE  
 6465 WAYZATA BOULEVARD  
 SUITE 970  
 ST. LOUIS PARK, MN 55426  
 PHONE: 952.426.0699

PROJECT MANAGER: REESE SUDTELGTE  
 EMAIL: REESE.SUDTELGTE@ISGINC.COM



NOTE: THE CLARITY OF THESE PLANS DEPEND UPON COLOR COPIES. IF THIS TEXT DOES NOT APPEAR IN COLOR, THIS IS NOT AN ORIGINAL PLAN SET AND MAY RESULT IN MISINTERPRETATION.

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REESE A. SUDTELGTE

DATE: 12/15/2022 LIC. NO. 54243

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MITCHELL R. WORKMON

DATE: 12/15/2022 LIC. NO. 53748

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PROJECT

**ANOKA RAMSEY  
 ATHLETIC  
 ASSOCIATION  
 NEW DOME**

RAMSEY MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY
1/10/2023	CITY SUBMITTAL #2	AJR

PROJECT NO. 22-26051

FILE NAME 26051 CO-DETAILS

DRAWN BY AJR

DESIGNED BY AJR

REVIEWED BY RAS

ORIGINAL ISSUE DATE 12/16/2022

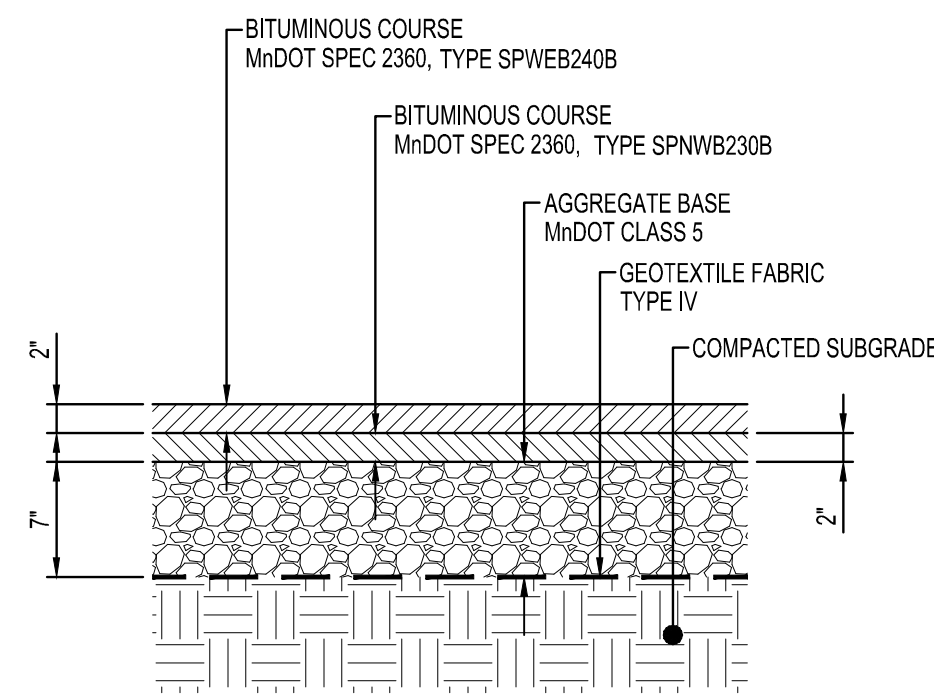
CLIENT PROJECT NO. -

TITLE

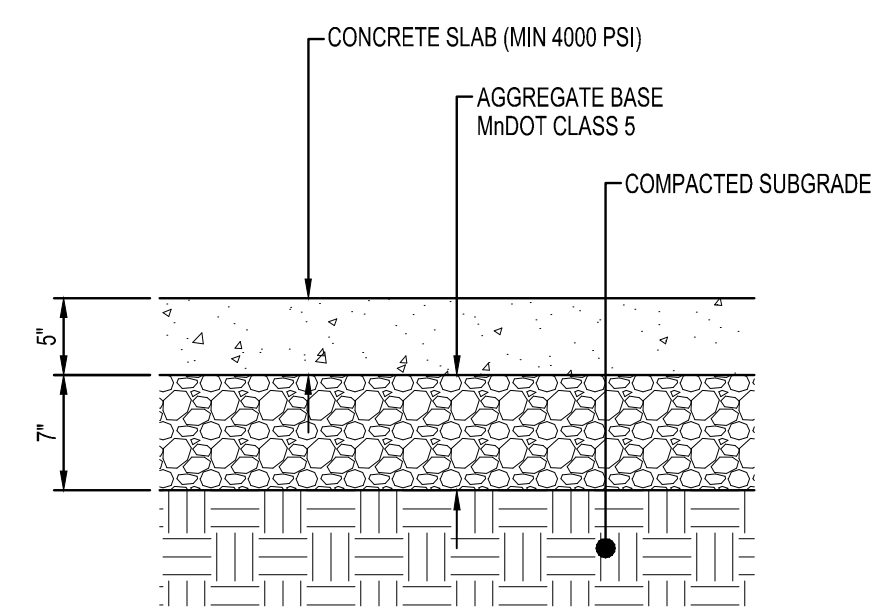
SITE DATA

SHEET

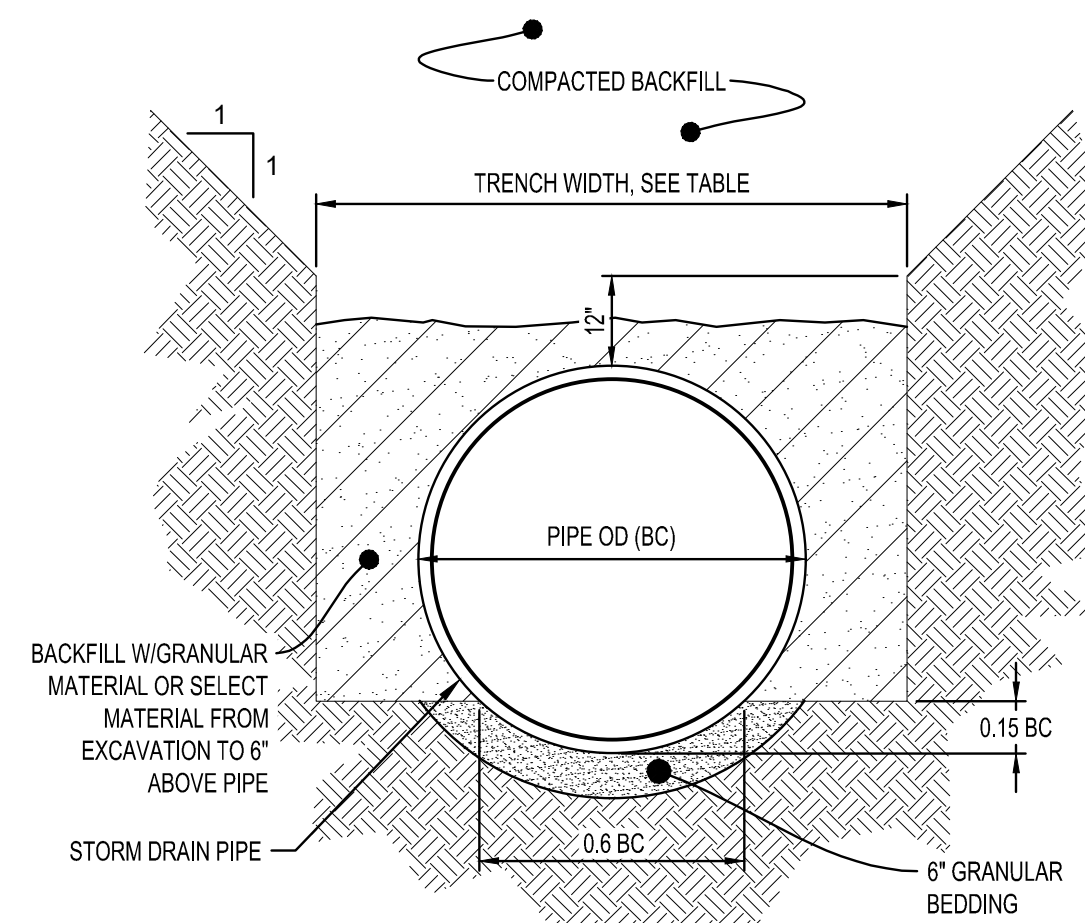
**C0-10**



**HEAVY DUTY BITUMINOUS PAVEMENT**  
NTS



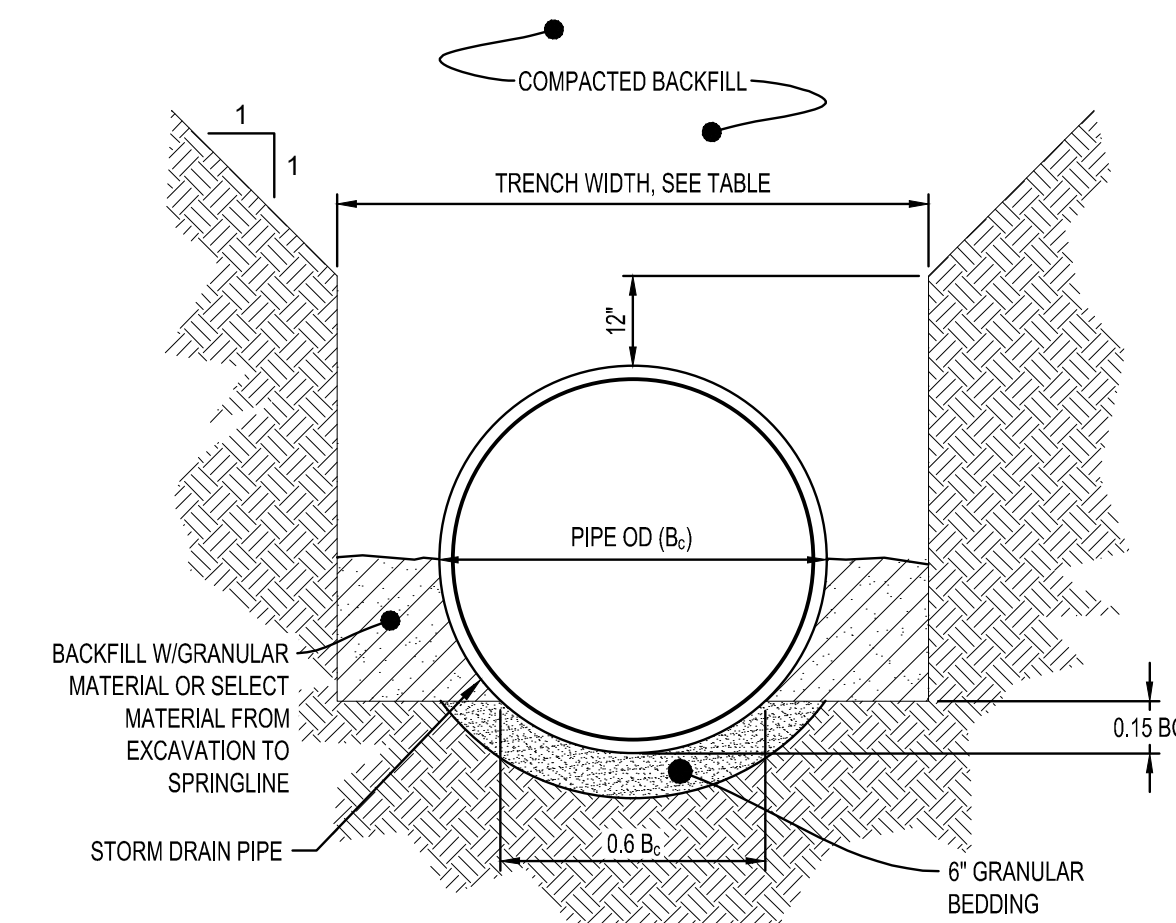
**STANDARD CONCRETE PAVEMENT**  
NTS



PIPE Ø	TRENCH WIDTH
36" OR LESS	BC + 24"
42" TO 54"	1.5 x BC
60" OR OVER	BC + 36"

**NOTES:**  
GRANULAR BEDDING AND BACKFILL FOR STORM DRAIN PIPES SHALL BE INCIDENTAL TO STORM DRAIN CONSTRUCTION

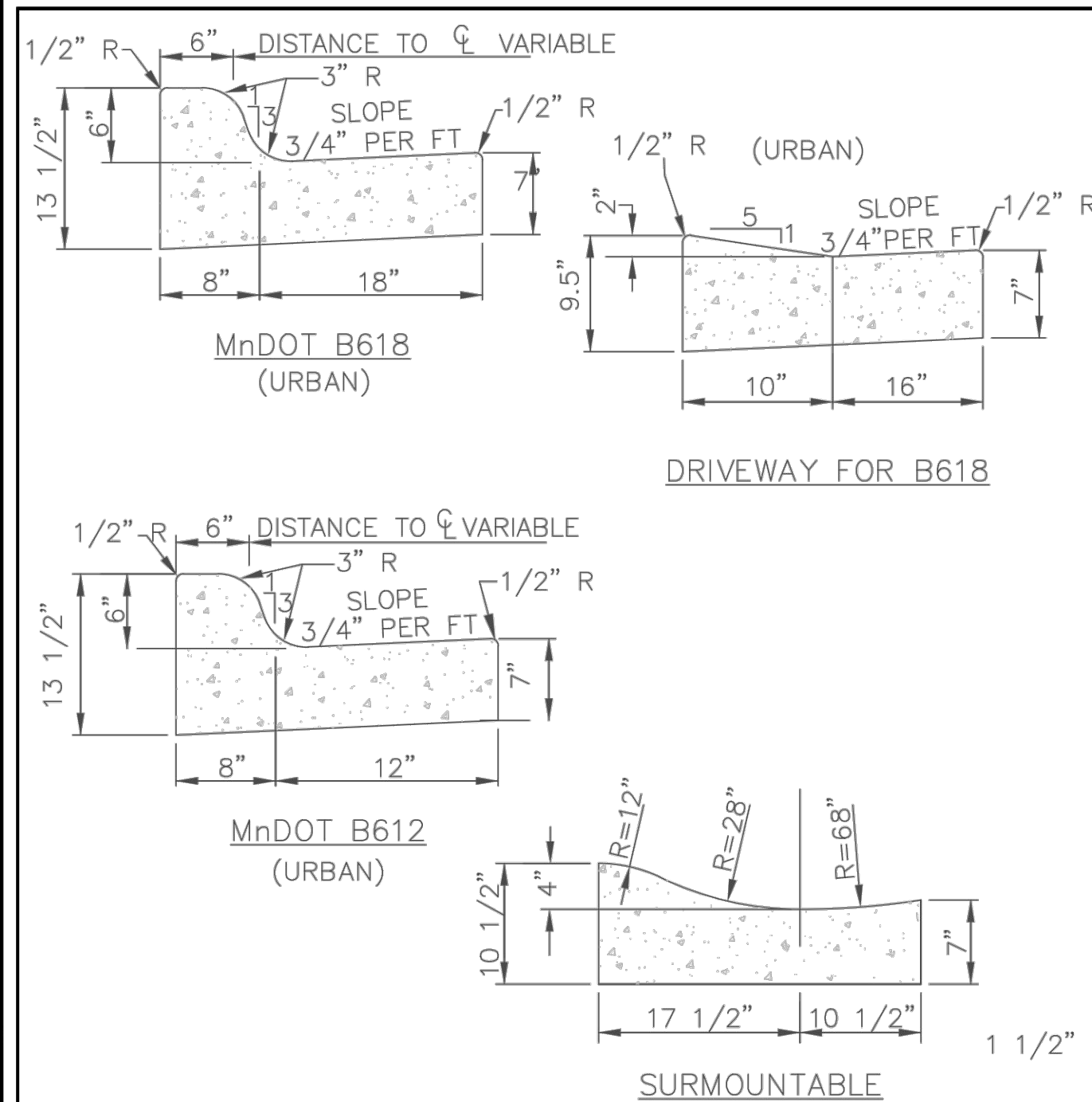
**NON-CONCRETE STORM DRAIN PIPE BEDDING**  
NTS



PIPE Ø	TRENCH WIDTH
36" OR LESS	B <sub>c</sub> + 24"
42" TO 54"	1.5 x B <sub>c</sub>
60" OR OVER	B <sub>c</sub> + 36"

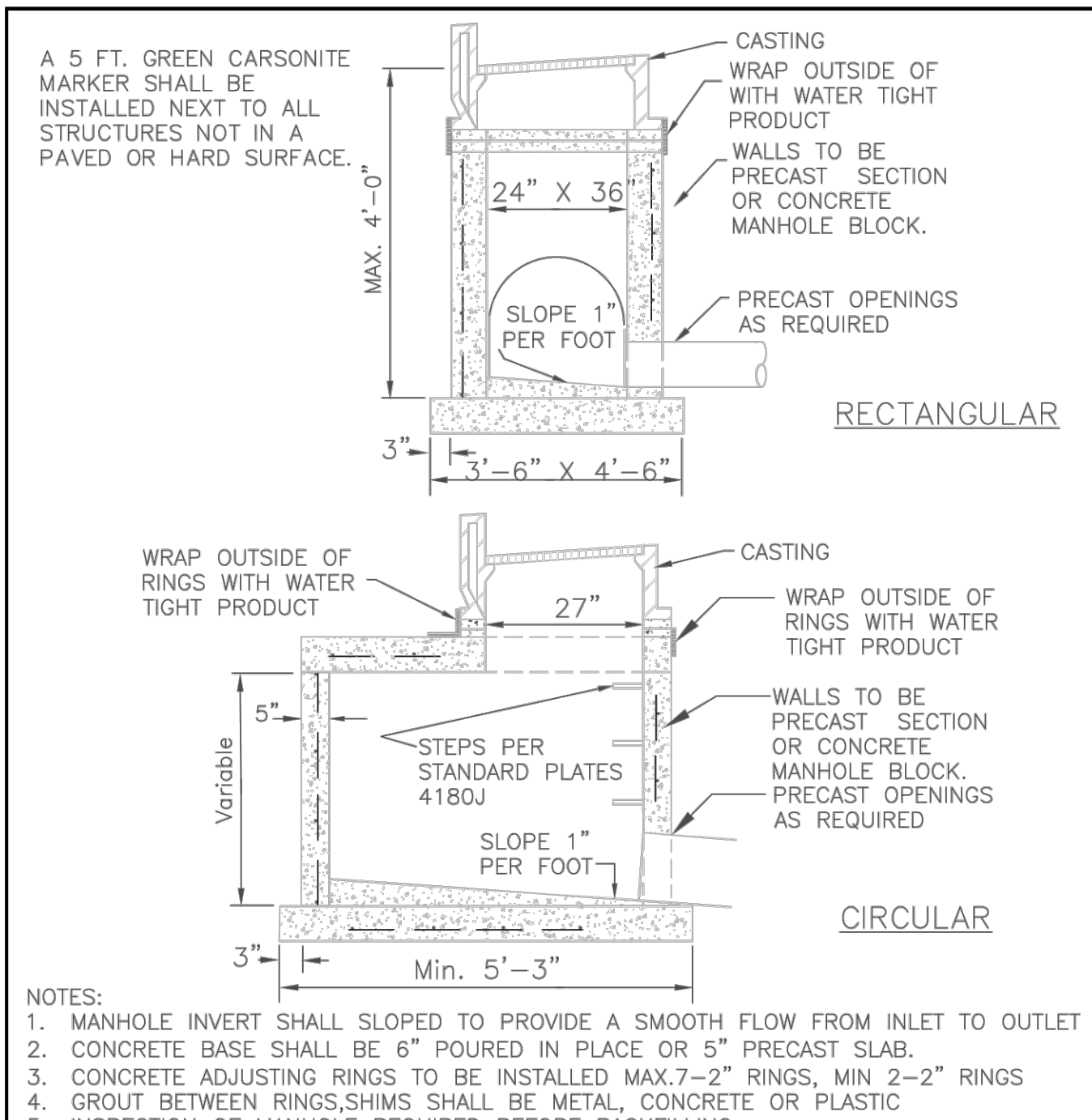
**NOTES:**  
GRANULAR BEDDING AND BACKFILL FOR STORM DRAIN PIPES SHALL BE INCIDENTAL TO STORM DRAIN CONSTRUCTION

**REINFORCED CONCRETE STORM DRAIN PIPE BEDDING**  
NTS



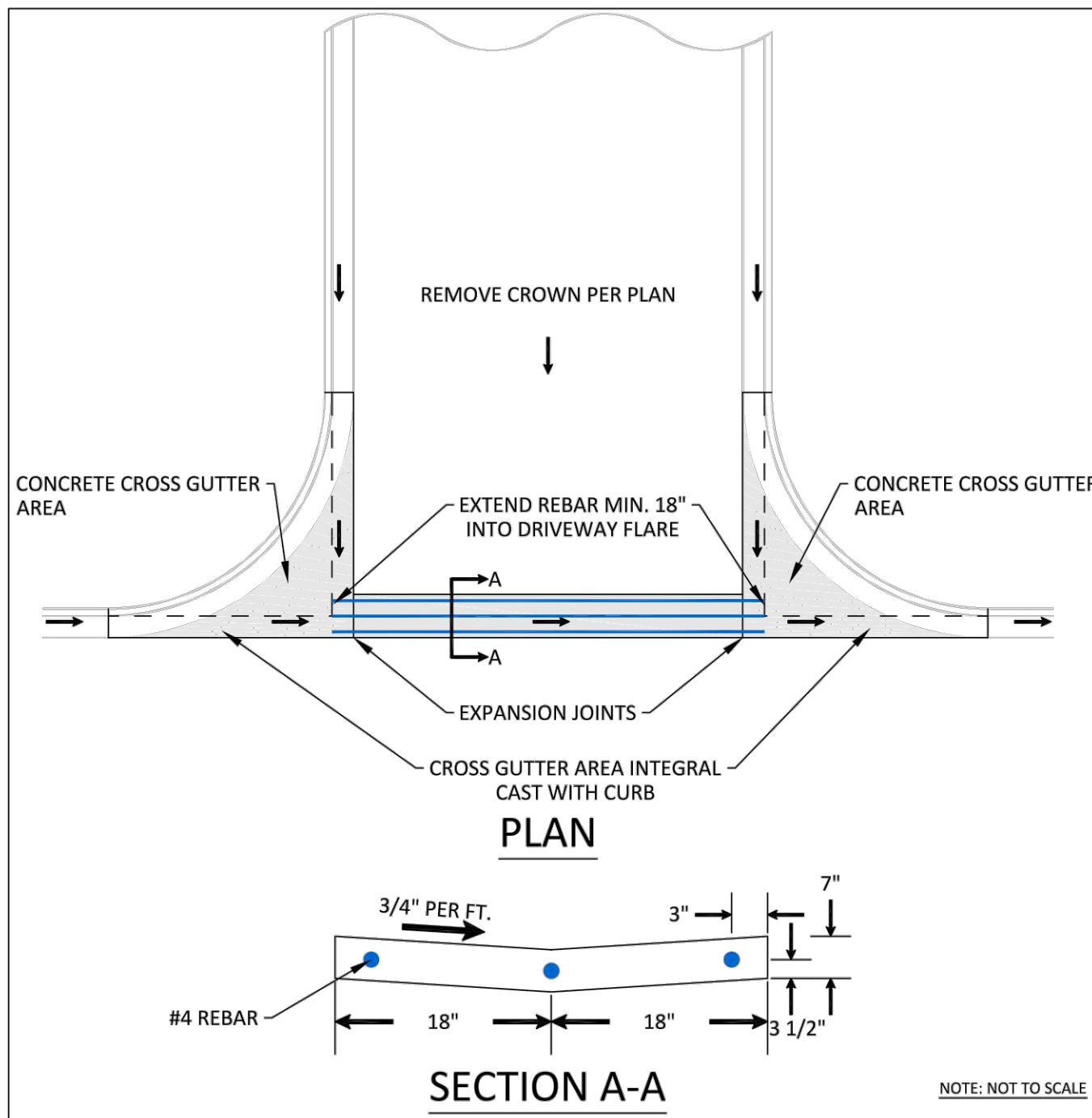
**NOTES:**  
1. ON WEAR COURSE MILL THE EXISTING BITUMINOUS 1.5" BY 24" IN FRONT OF THE REPLACEMENT CURB.  
2. ON BASE COURSE SAW CUT AND REMOVE EXISTING BITUMINOUS 18" IN FRONT OF THE REPLACEMENT CURB.

APPROVED: 1 - 2016  
  
 STANDARD DETAILS: CURB AND GUTTER  
 CITY PLATE No. STR-1



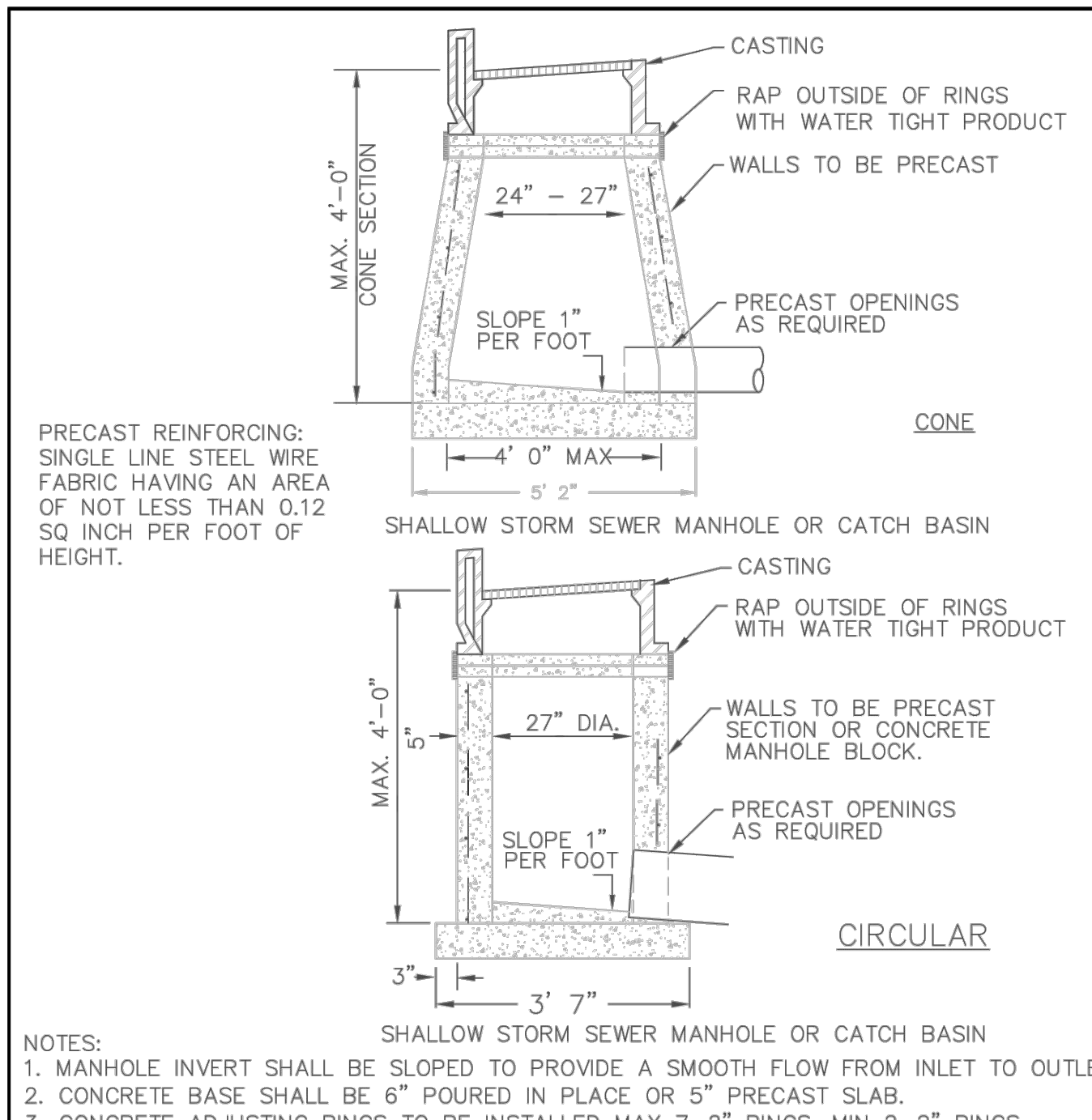
**NOTES:**  
1. MANHOLE INVERT SHALL SLOPED TO PROVIDE A SMOOTH FLOW FROM INLET TO OUTLET  
2. CONCRETE BASE SHALL BE 6" POURED IN PLACE OR 5" PRECAST SLAB.  
3. CONCRETE ADJUSTING RINGS TO BE INSTALLED MAX. 7-2" RINGS, MIN 2-2" RINGS  
4. GROUT BETWEEN RINGS, SHIMS SHALL BE METAL, CONCRETE OR PLASTIC  
5. INSPECTION OF MANHOLE REQUIRED BEFORE BACKFILLING  
6. A 10 GAUGE SOLID COPPER TRACER WIRE IS REQUIRED WITH ALL STORM LINES.  
7. CONDUCTIVITY IS REQUIRED ON ALL TRACER WIRE  
8. STEPS ARE REQUIRED IF STRUCTURE FROM THE CASTING TO THE INVERT IS GREATER THAN 4 FEET  
9. TRACER WIRES ARE TO END IN STRUCTURES, AT FINISHED GRADE ON ALL SERVICES AND STUBS

APPROVED: 4 - 2007  
  
 STANDARD DETAILS: CATCH BASIN  
 CITY PLATE No. STO-1



**NOTES:**  
1. WITH REMOVAL OF EXISTING CURB AT A STREET, MILL BITUMINOUS TO A DEPTH OF 1.5" AND A WIDTH OF 18" IN EXISTING STREET.  
2. TO BE USED WHENEVER CROSS DRAINAGE IS < 2%.  
3. CONCRETE CURB AND GUTTER SHALL BE CAST INTEGRAL WITH CONCRETE CROSS GUTTER AREA.  
4. CONCRETE CURB AND GUTTER SHALL BE PAID SEPARATELY FROM CONCRETE CROSS GUTTER AREA.

APPROVED: 3 - 2017  
  
 STANDARD DETAILS: CROSS GUTTER  
 CITY PLATE No. STR-2



**NOTES:**  
1. MANHOLE INVERT SHALL BE SLOPED TO PROVIDE A SMOOTH FLOW FROM INLET TO OUTLET.  
2. CONCRETE BASE SHALL BE 6" POURED IN PLACE OR 5" PRECAST SLAB.  
3. CONCRETE ADJUSTING RINGS TO BE INSTALLED MAX 7-2" RINGS, MIN 2-2" RINGS.  
4. GROUT BETWEEN RINGS  
5. SHIMS USED FOR LEVELING SHALL BE METAL OR CONCRETE.  
6. A 10 GAUGE SOLID COPPER TRACER WIRE IS REQUIRED WITH ALL SEWER LINES.  
7. CONDUCTIVITY IS REQUIRED ON ALL TRACER WIRE  
8. TRACER WIRE ARE TO END IN STRUCTURES, AT FINISHED GRADE ON ALL SERVICES AND STUBS.

APPROVED: 6 - 2008  
  
 STANDARD DETAILS: STORM AREA INLET  
 CITY PLATE No. STO-2



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 REESE A. SUDELGTE

DATE 12/15/2022 LIC. NO. 54243

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 MITCHELL R. WORKMON

DATE 12/15/2022 LIC. NO. 53748

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PROJECT  
**ANOKA RAMSEY ATHLETIC ASSOCIATION NEW DOME**

RAMSEY MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO. 22-26051  
 FILE NAME 26051 CO-DETAILS  
 DRAWN BY AJR  
 DESIGNED BY AJR  
 REVIEWED BY RAS  
 ORIGINAL ISSUE DATE 12/16/2022  
 CLIENT PROJECT NO. -

TITLE

**SITE DETAILS**

SHEET  
**C0-20**

PLOT DATE: 11/10/2022 8:42 PM

**PRELIMINARY NOT FOR CONSTRUCTION**



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MITCHELL R. WORKMON  
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**ANOKA RAMSEY ATHLETIC ASSOCIATION NEW DOME**

RAMSEY MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO. 22-26051  
FILE NAME 26051 CO-DETAILS  
DRAWN BY AJR  
DESIGNED BY AJR  
REVIEWED BY RAS  
ORIGINAL ISSUE DATE 12/16/2022  
CLIENT PROJECT NO. -

TITLE

**SITE DETAILS**

SHEET

**C0-21**

PRELIMINARY NOT FOR CONSTRUCTION

**PLAN VIEW**  
NOT TO SCALE

**SECTION VIEW**  
NOT TO SCALE

APPROVED: 9 - 2011  
STANDARD DETAILS: HDPE DRAINAGE STRUCTURE  
CITY PLATE No. STO-12

**SECTION VIEW**  
NOT TO SCALE

**DETAIL OF LIP**

APPROVED: 7 - 2015  
STANDARD DETAILS: TRUNCATED DOME PLACEMENT BITUMINOUS TRAIL NO CURB  
CITY PLATE No. STR-28

**PLAN**

**SECTION ON C DRIVEWAY**

**DETAIL OF LIP**

APPROVED: 4 - 2016  
STANDARD DETAILS: COMMERCIAL DRIVEWAY CURBCUT  
CITY PLATE No. STR-14

**PLAN**

**SECTION A-A**

APPROVED: 10 - 2015  
STANDARD DETAILS: CONCRETE SIDEWALK  
CITY PLATE No. STR-3

**R-2560 Series Beehive Grates with Frames**

SUITABLE FOR DRAINAGE ON CIRCUMSTANCES WHERE CLOGGING OF A FLAT GRATING IS A PROBLEM. EXCELLENT FOR ROADSIDE OR EARTH DITCH CATCH BASINS.

Catalog No.	Dimensions in inches							WL LBS
	A	B	C	D	E	F	G	
R-2560-A	12	1	11	12 1/2	19	4	4	80
R-2560-B	15 1/2	1 1/4	15	16 1/2	21	5	3	123
R-2560-C	18	1 1/4	18 1/2	20 1/2	30	8	4	190
R-2560-C1	22	1 1/2	20	23	28	4	4 1/2	195
R-2560-C2	22	1 1/2	20 1/2	24	28 1/4	6	4 1/2	270
R-2560-D	22	1 1/2	24 1/2	35	35	9	4 1/2	315
R-2560-D1	22	1 1/2	20	23	28 1/4	4	7	210
R-2560-D2	22	1 1/2	20 1/2	24	35	6	7	285
R-2560-D3	22	1 1/2	20	24 1/2	36	9	7	345
R-2560-E	23	1 1/2	21	25 1/2	35 1/2	9	7	340
R-2560-EA	25 3/4	7/8	24 1/8	28 1/2	35 1/2	4	6	235
R-2560-EB	25 3/4	7/8	24 1/8	28 1/2	35 1/2	4	9	255
R-2560-E1	25 3/4	7/8	24 1/8	28 1/2	35 1/2	7	6	285
R-2560-E2	25 3/4	7/8	24 1/8	28 1/2	35 1/2	7	9	300
R-2560-E3	25 3/4	7/8	24 1/8	28 1/2	35 1/2	8	6	345
R-2560-E4	25 3/4	7/8	24 1/8	28 1/2	35 1/2	8	9	365
R-2560-E5	25 3/4	7/8	24 1/8	28 1/2	35 1/2	9	8	350
R-2560-E6	25 3/4	7/8	24 1/8	28 1/2	35 1/2	10	6	360
R-2560-E7	25 3/4	7/8	24 1/8	28 1/2	35 1/2	10	9	385
R-2560-E8	25 3/4	7/8	24 1/8	28 1/2	35 1/2	10	9	385
R-2560-E9	25 3/4	7/8	24 1/8	28 1/2	35 1/2	10	6	360
R-2560-E10	25 3/4	7/8	24 1/8	28 1/2	35 1/2	10	9	385
R-2560-G	32	1 1/2	30	36	46	7	4	535

**R-2570 Catch Basin Frame, Grate**

Light Duty  
Total Weight 170 Pounds

APPROVED: 9 - 2011  
STANDARD DETAILS: STORM CASTING - NON TRAFFIC AREAS  
CITY PLATE No. STO-6

**SECTION A-A**

**STANDARD CATCHBASIN CASTING**

APPROVED: 4 - 2005  
STANDARD DETAILS: SLAB TOP MANHOLE COVER  
CITY PLATE No. STO-5

**SECTION A-A**

**STANDARD DETAIL**

APPROVED: 7 - 2016  
STANDARD DETAILS: STORM MANHOLE  
CITY PLATE No. STO-4

**SECTION A-A**

**STANDARD DETAIL**

APPROVED: 1 - 2016  
STANDARD DETAILS: STORM MANHOLE  
CITY PLATE No. STO-3



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REESE A. SUDELGTGE  
DATE: 12/15/2022 LIC. NO. 54243

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MITCHELL R. WORKMON  
DATE: 12/15/2022 LIC. NO. 53748

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PROJECT  
**ANOKA RAMSEY ATHLETIC ASSOCIATION NEW DOME**

RAMSEY MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO. 22-26051  
FILE NAME 26051 CO-DETAILS  
DRAWN BY AJR  
DESIGNED BY AJR  
REVIEWED BY RAS  
ORIGINAL ISSUE DATE 12/16/2022  
CLIENT PROJECT NO. -

TITLE  
**SITE DETAILS**

SHEET  
**C0-22**

PRELIMINARY NOT FOR CONSTRUCTION

**NOTE:**

- A 10 GAGE SOLID COPPER TRACER WIRE REQUIRED WITH ALL SEWER LINES
- CONDUCTIVITY IS REQUIRED ON ALL TRACER WIRE.
- TRACER WIRES ARE TO END IN STRUCTURES, AT FINISHED GRADE ON ALL SERVICES AND STUBS.
- 6" BASE FOR ALL MANHOLES LESS THAN 14FT. DEEP, INCREASE BASE 2" PER 6 FT. OF DEPTH BEYOND 14 FT. 5" PRECAST BASE MAY BE USED FOR MANHOLES LESS THAN 14 FT. DEEP.

APPROVED: 1 - 2006  
City of Ramsey  
STANDARD DETAILS: POND OUTLET  
CITY PLATE No. ST0-7

**NOTE:**  
GUARDS MUST BE INCORPORATED ON ALL INSTALLATIONS EXCEPT WHERE SPECIFICALLY ALLOWED OTHERWISE BY THE CITY ENGINEER.

**IMPORTANT**

HINGED CONNECTIONS (TO BE FREE OF RIP RAP AND BACKFILL)

ALL GUARDS TO HAVE (1) CROSS BAR - 60" AND UP TO HAVE (2) EQUALLY SPACED

PIPE SIZE	BOLT DIA.	BAR SIZE
12"-24"	5/8"	5/8"
27"-48"	3/4"	3/4"
54"-90"	1"	1"
22"-29"	5/8"	5/8"
36"-59"	3/4"	3/4"
65"-88"	1"	1"

**NOTE:** COATINGS ARE AS SPECIFIED ELSEWHERE

**IMPORTANT**

APPROVED: 2 - 2006  
City of Ramsey  
STANDARD DETAILS: TRASH GUARD  
CITY PLATE No. ST0-8

**NOTE:**

- A 10 GAGE SOLID COPPER TRACER WIRE IS REQUIRED WITH ALL SEWER LINES
- CONDUCTIVITY IS REQUIRED ON ALL TRACER WIRE
- TRACER WIRES ARE TO END IN STRUCTURES, AT FINISHED GRADE ON ALL SERVICES AND STUBS
- STEPS WILL BE REQUIRED AT A MAXIMUM OF 3' FROM THE RIM AND 16" ON CENTER THERE AFTER.
- 8" BASE FOR ALL MANHOLES LESS THEN 14' DEEP, INCREASE BASE THICKNESS BY 2" PER 6' OF DEPTH BEYOND 14' & REINFORCE WITH 6" X 6" & 10" X 10" MESH.

APPROVED: 1 - 2016  
City of Ramsey  
STANDARD DETAILS: SUMP MANHOLE  
CITY PLATE No. ST0-9

**NOTE:** TRASH GUARDS SEE DETAIL ST0-12

**NOTE:** FOR USE WITH PIPE 36" DIA. OR GREATER

**NOTE:** BRING CONCRETE HEADWALL UP TO A POINT THAT WILL NOT HINDER THE OPERATION OF THE TRASH GUARD.

**NOTE:** BRING CONCRETE HEADWALL UP TO A POINT THAT WILL NOT HINDER THE OPERATION OF THE TRASH GUARD.

APPROVED: 9 - 2016  
City of Ramsey  
STANDARD DETAILS: STORM SEWER PILING & CONCRETE END SECTION  
CITY PLATE No. ST0-10

**NOTE:**

- A 10 GAGE SOLID COPPER TRACER WIRE IS REQUIRED WITH ALL SEWER LINES.
- CONDUCTIVITY IS REQUIRED ON ALL TRACER WIRE.
- TRACER WIRES ARE TO END IN STRUCTURES, AT FINISHED GRADE ON ALL SERVICES AND STUBS.
- 6" BASE FOR ALL MANHOLES LESS THAN 14 FT. OF DEPTH, INCREASE BASE THICKNESS 2" PER 6 FT. OF DEPTH BEYOND 14 FT.
- 5" PRECAST BASE MAY BE USED FOR MANHOLES LESS THAN 14 FT. DEEP.
- ALL INVERTS TO BE 0.10' ABOVE OUTLET.

APPROVED: 1 - 2016  
City of Ramsey  
STANDARD DETAILS: SANITARY MANHOLE  
CITY PLATE No. SEW-1

**NOTE:** NOT TO SCALE

APPROVED: 11 - 2015  
City of Ramsey  
STANDARD DETAILS: WOOD MARKER CASTING  
CITY PLATE No. SEW-2

**NOTE:**

- 10 GAGE SOLID COPPER TRACER WIRE IS REQUIRED WITH ALL SEWER LINES
- CONDUCTIVITY IS REQUIRED ON ALL TRACER WIRE.
- TRACER WIRE ARE TO END IN STRUCTURES, AT FINISHED GRADE ON ALL SERVICES AND STUBS.

APPROVED: 4 - 2016  
City of Ramsey  
STANDARD DETAILS: SANITARY SEWER SERVICE  
CITY PLATE No. SEW-3

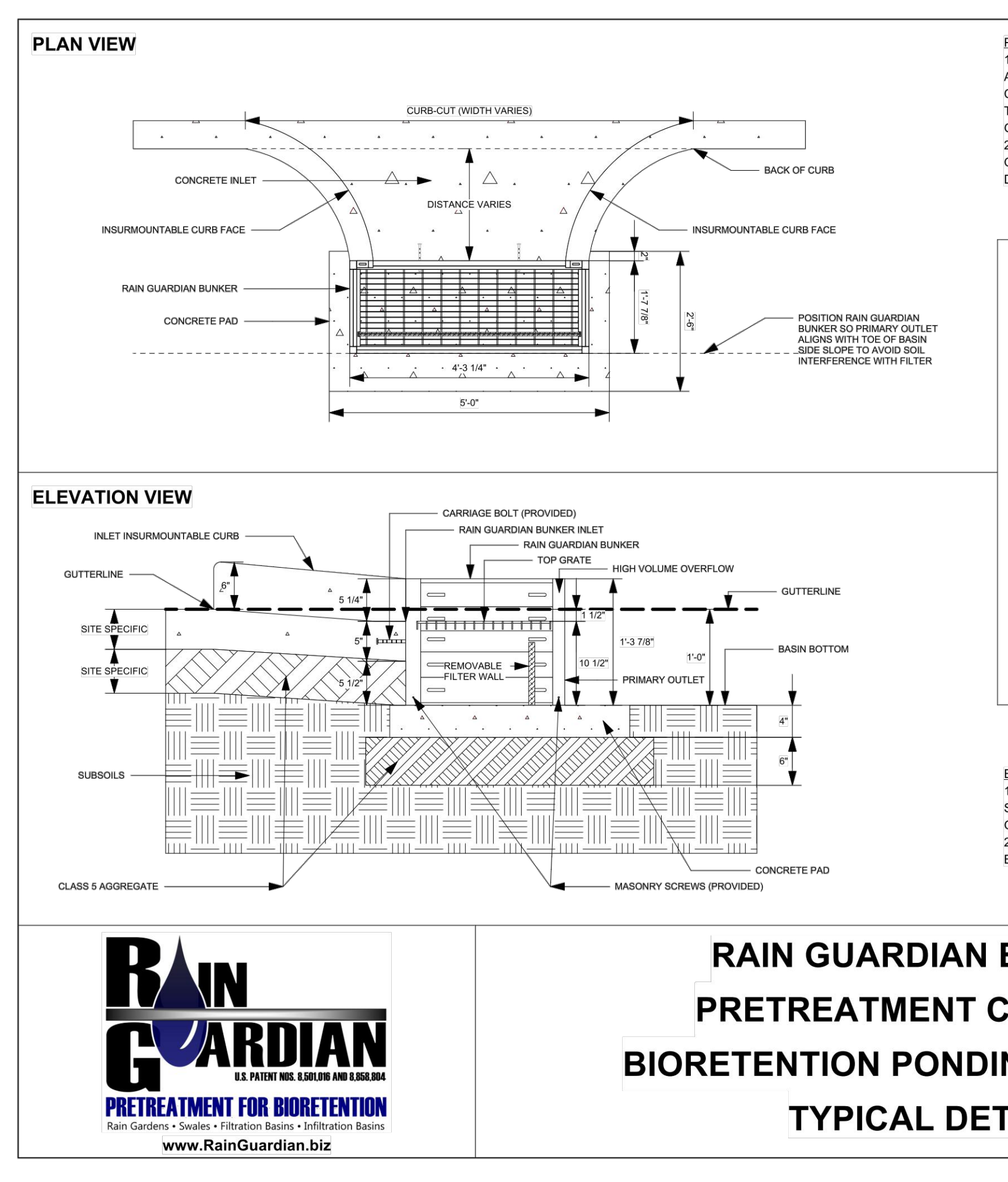
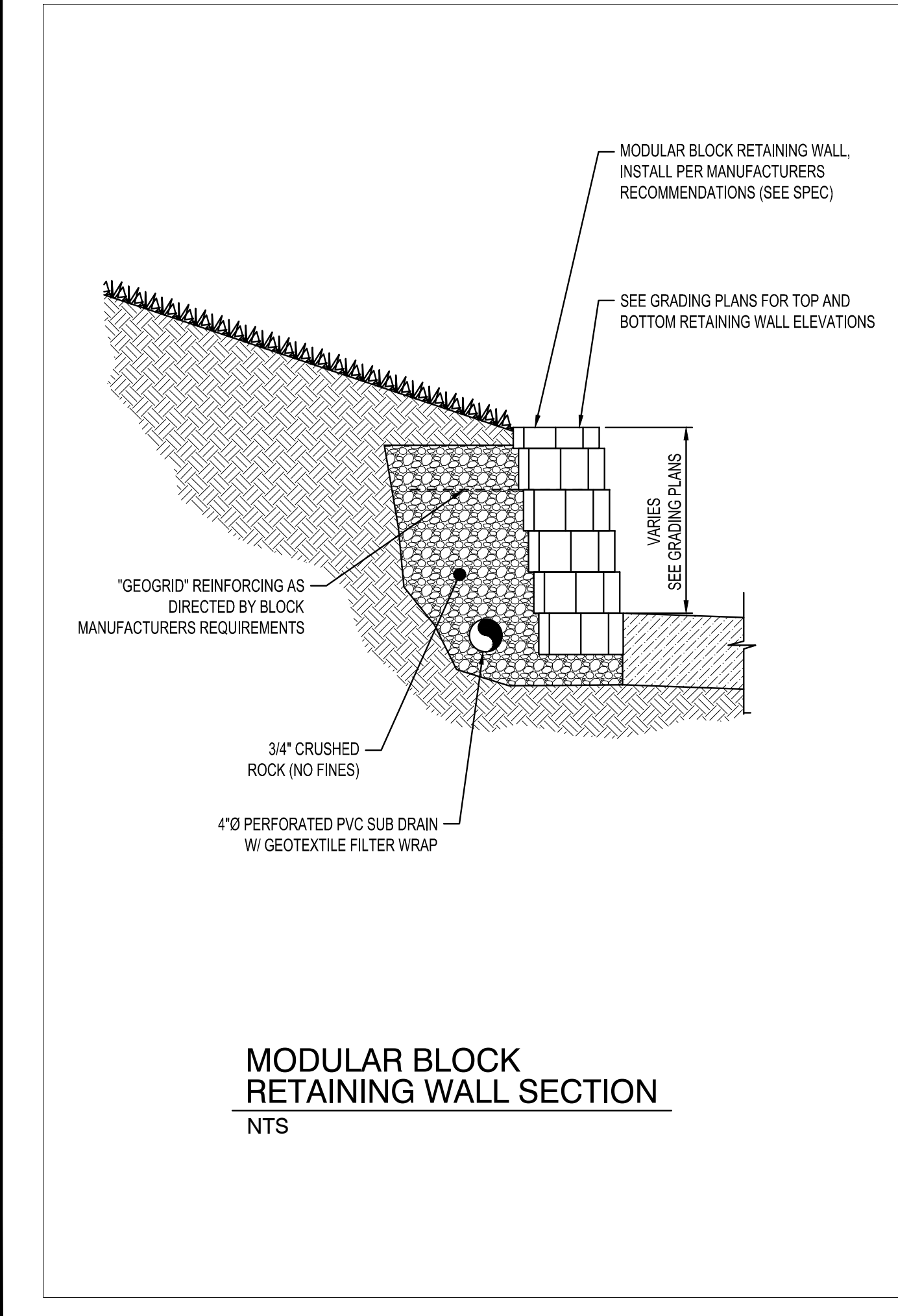
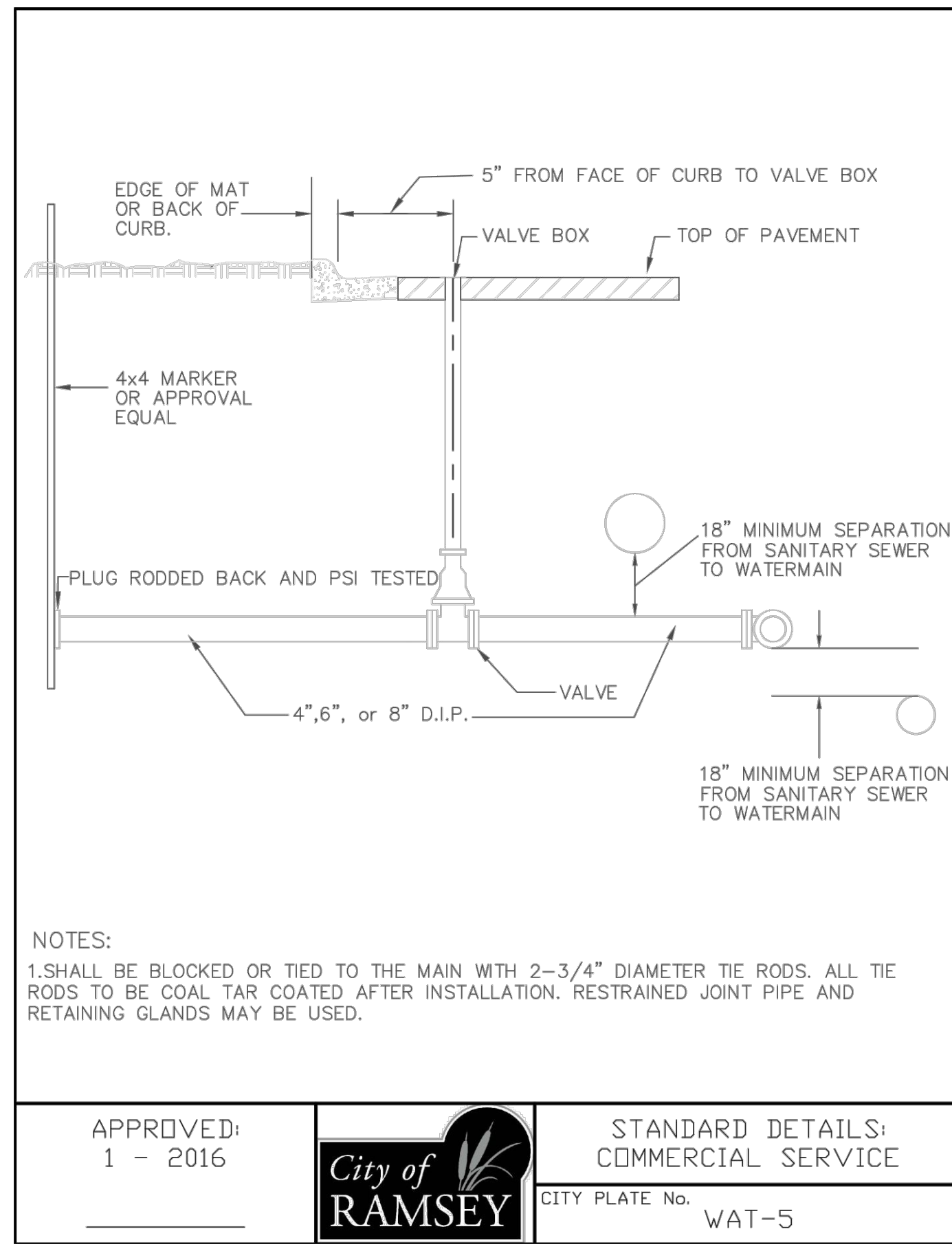
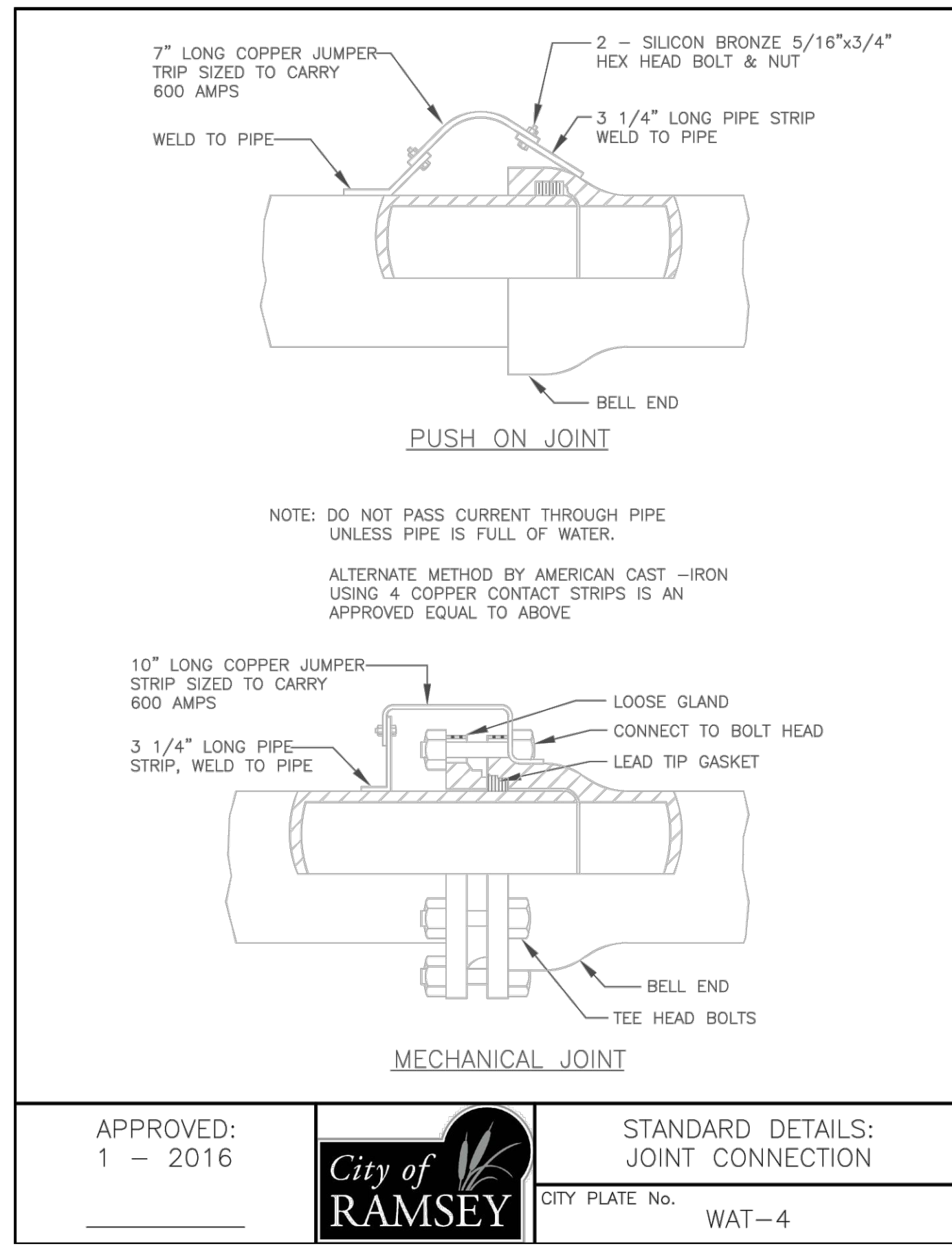
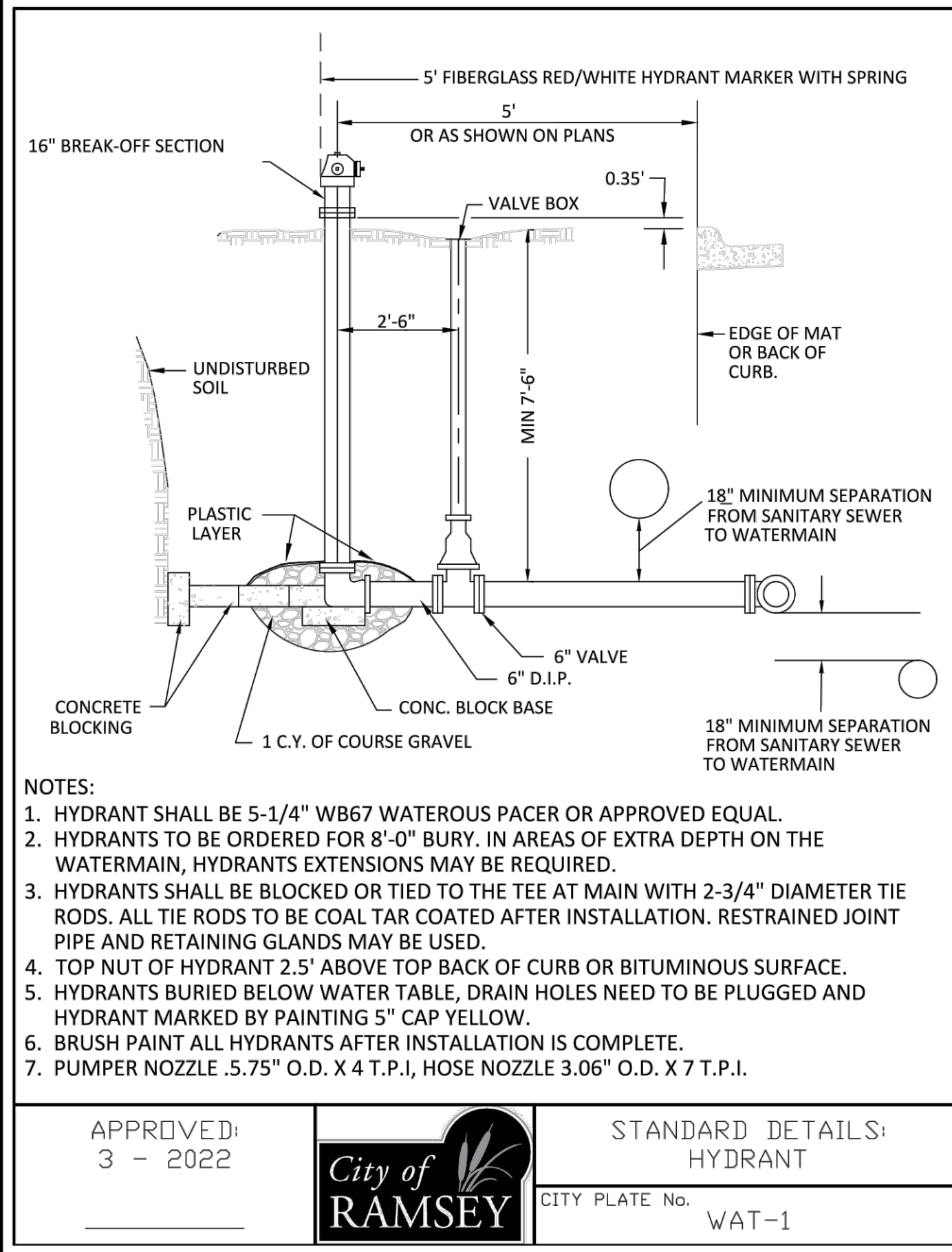
**NOTE:**

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- CONDUCTIVITY IS REQUIRED ON ALL TRACER WIRE.
- TRACER WIRES ARE TO END IN STRUCTURES, AT FINISHED GARDE ON ALL SERVICES STUBS.

APPROVED: 4 - 2016  
City of Ramsey  
STANDARD DETAILS: SLAB-TOP MANHOLE  
CITY PLATE No. SEW-4

PLOT DATE: 11/16/2022 8:42 PM

PLOT DATE: 11/16/2022 8:42 PM



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REESE A. SUDELGTGE

DATE 12/15/2022 LIC. NO. 54243

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MITCHELL R. WORKMON

DATE 12/15/2022 LIC. NO. 53748

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PROJECT

**ANOKA RAMSEY ATHLETIC ASSOCIATION NEW DOME**

RAMSEY MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO. 22-26051

FILE NAME 26051 CO-DETAILS

DRAWN BY AJR

DESIGNED BY AJR

REVIEWED BY RAS

ORIGINAL ISSUE DATE 12/16/2022

CLIENT PROJECT NO. -

TITLE

**SITE DETAILS**

SHEET

**C0-23**

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PROJECT

**ANOKA RAMSEY ATHLETIC ASSOCIATION NEW DOME**

RAMSEY MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	22-26051
FILE NAME	26051 CO-DETAILS
DRAWN BY	AJR
DESIGNED BY	AJR
REVIEWED BY	RAS
ORIGINAL ISSUE DATE	12/16/2022
CLIENT PROJECT NO.	-

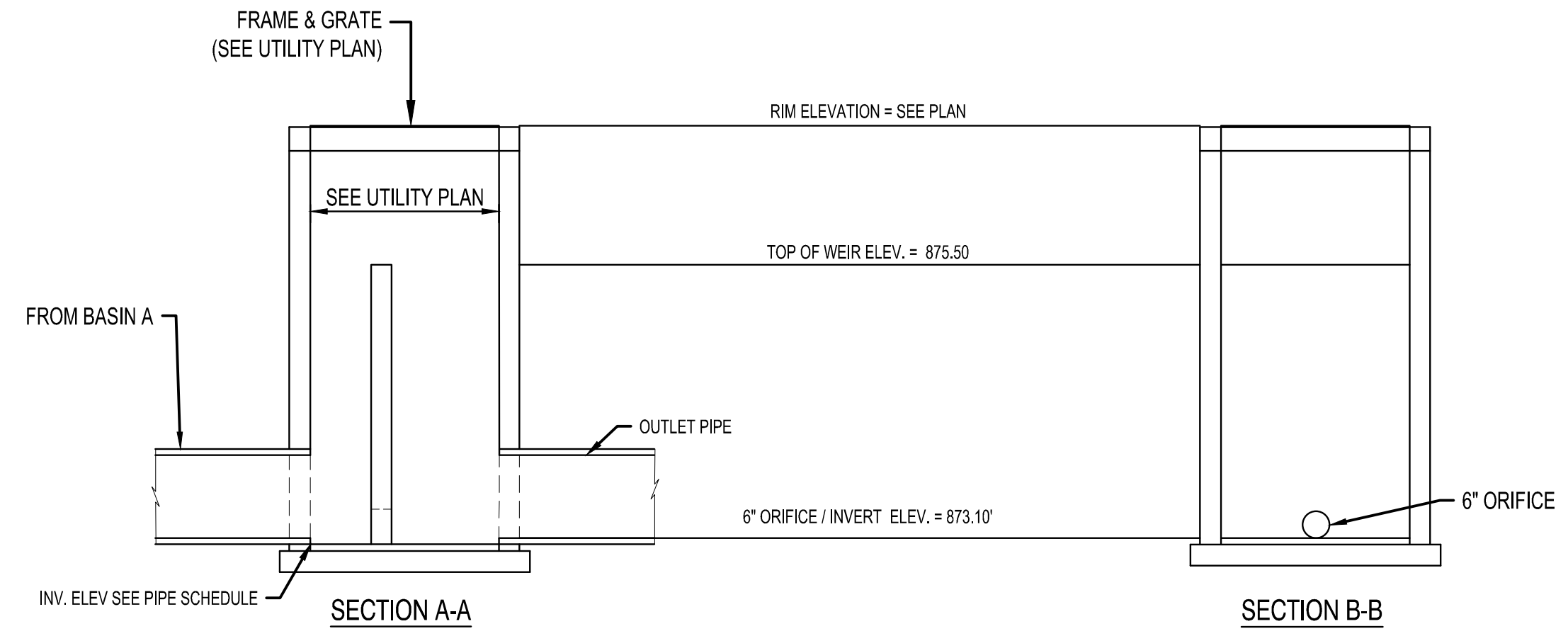
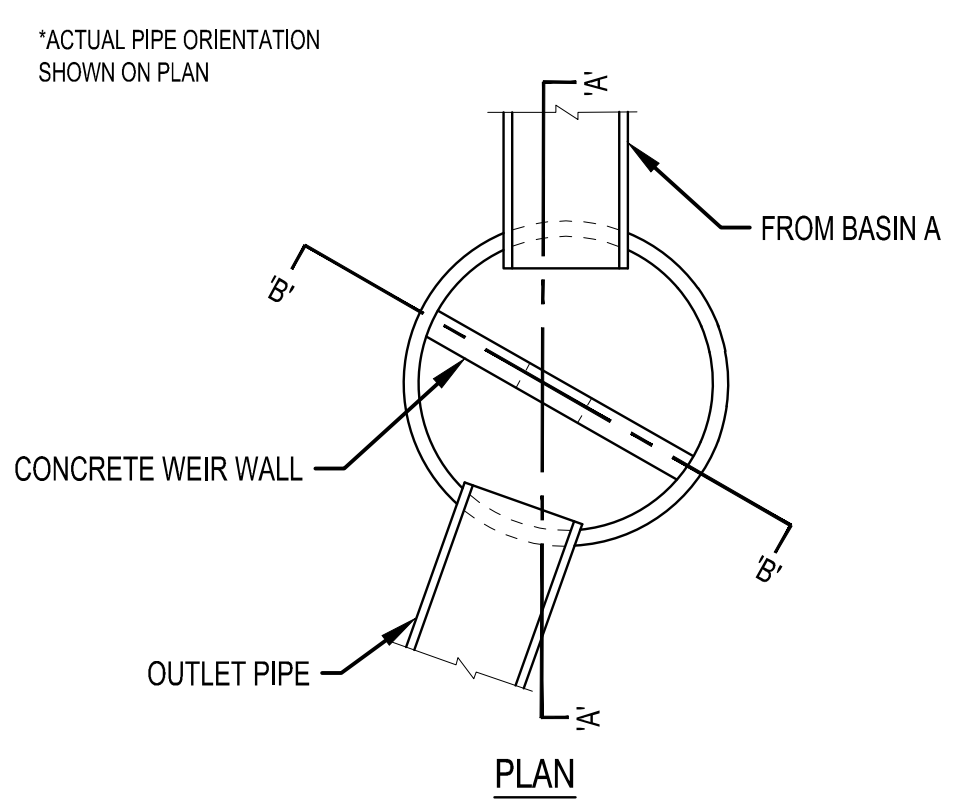
TITLE

**SITE DETAILS**

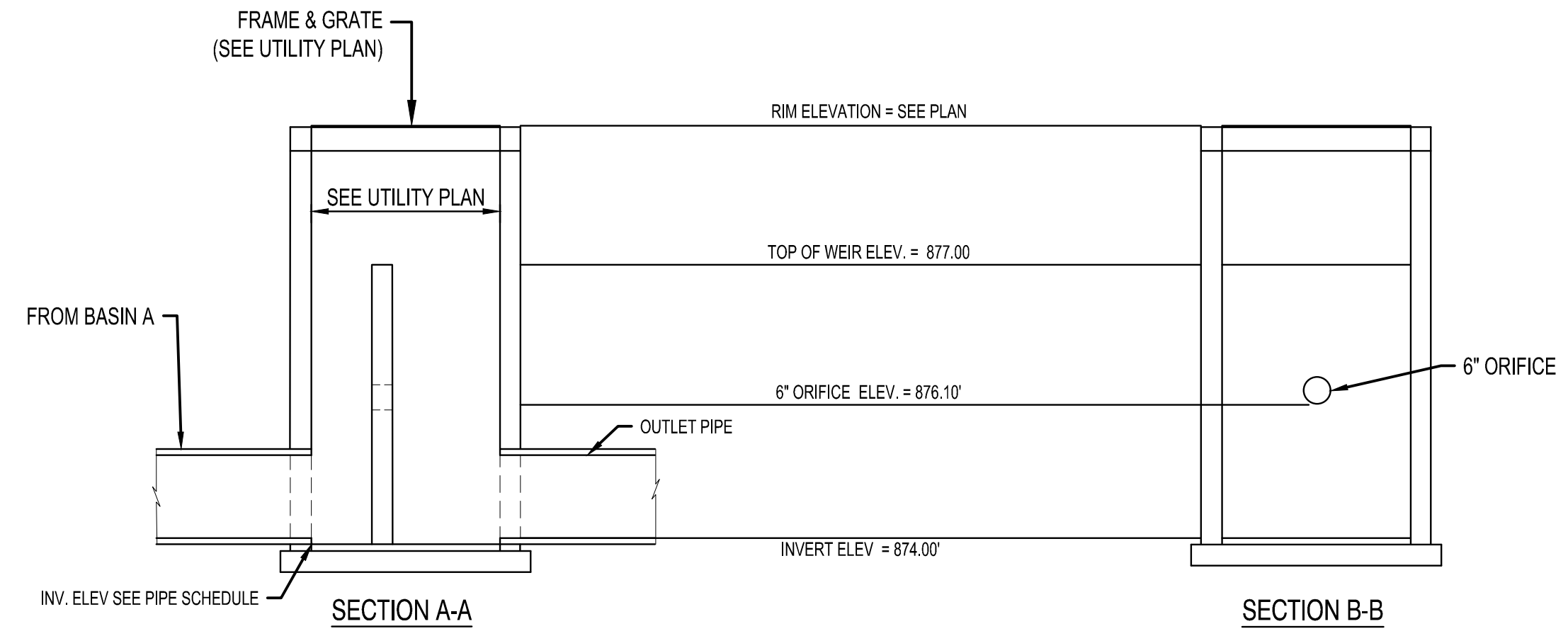
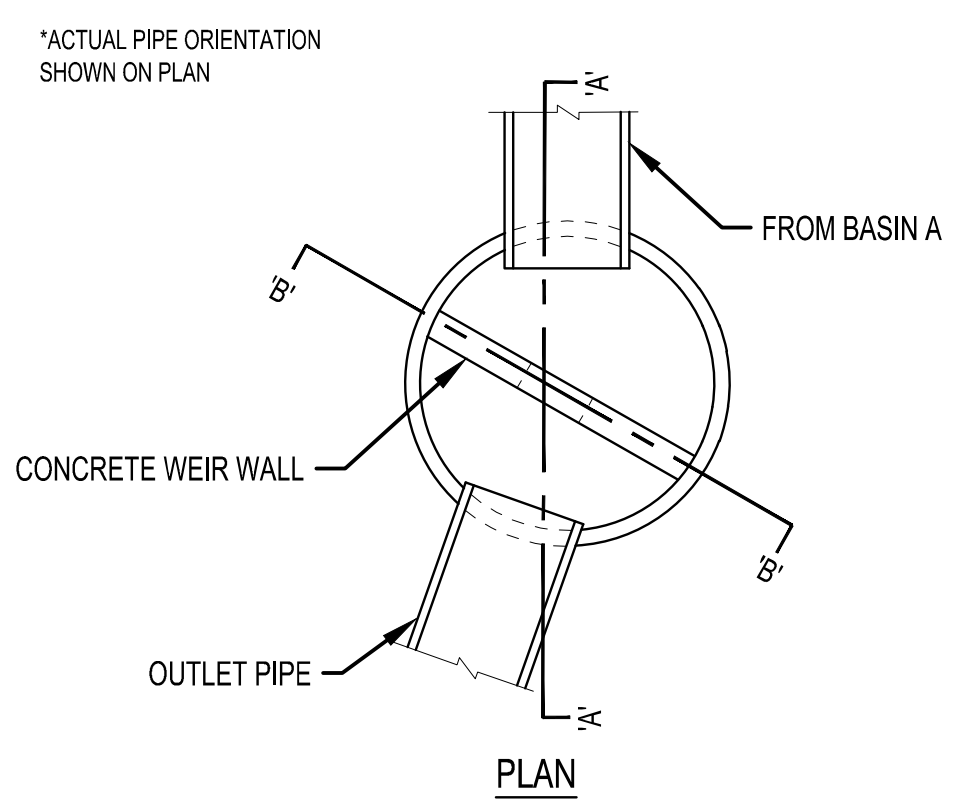
SHEET

**C0-24**

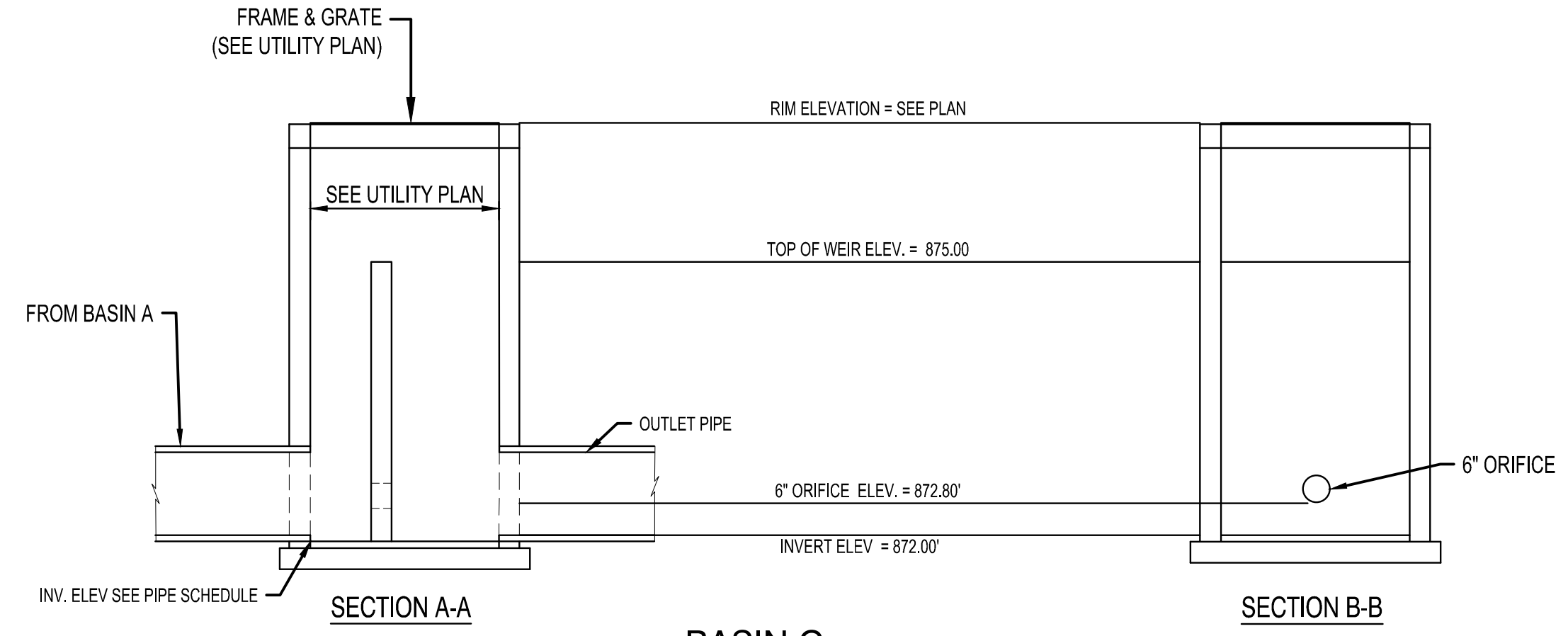
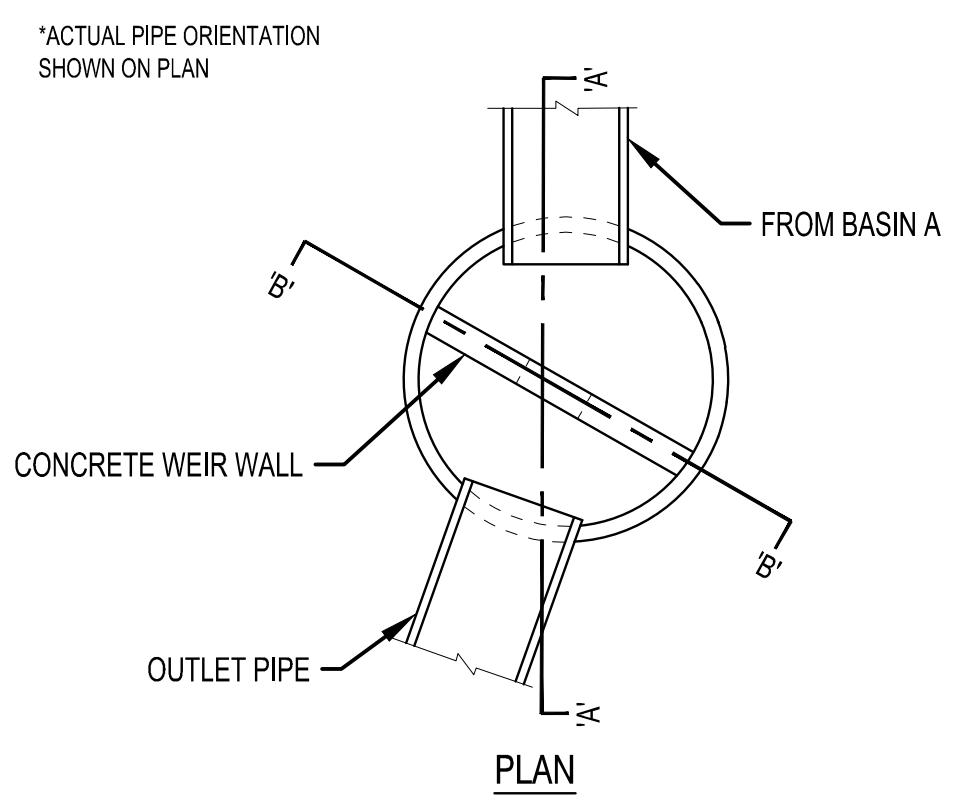
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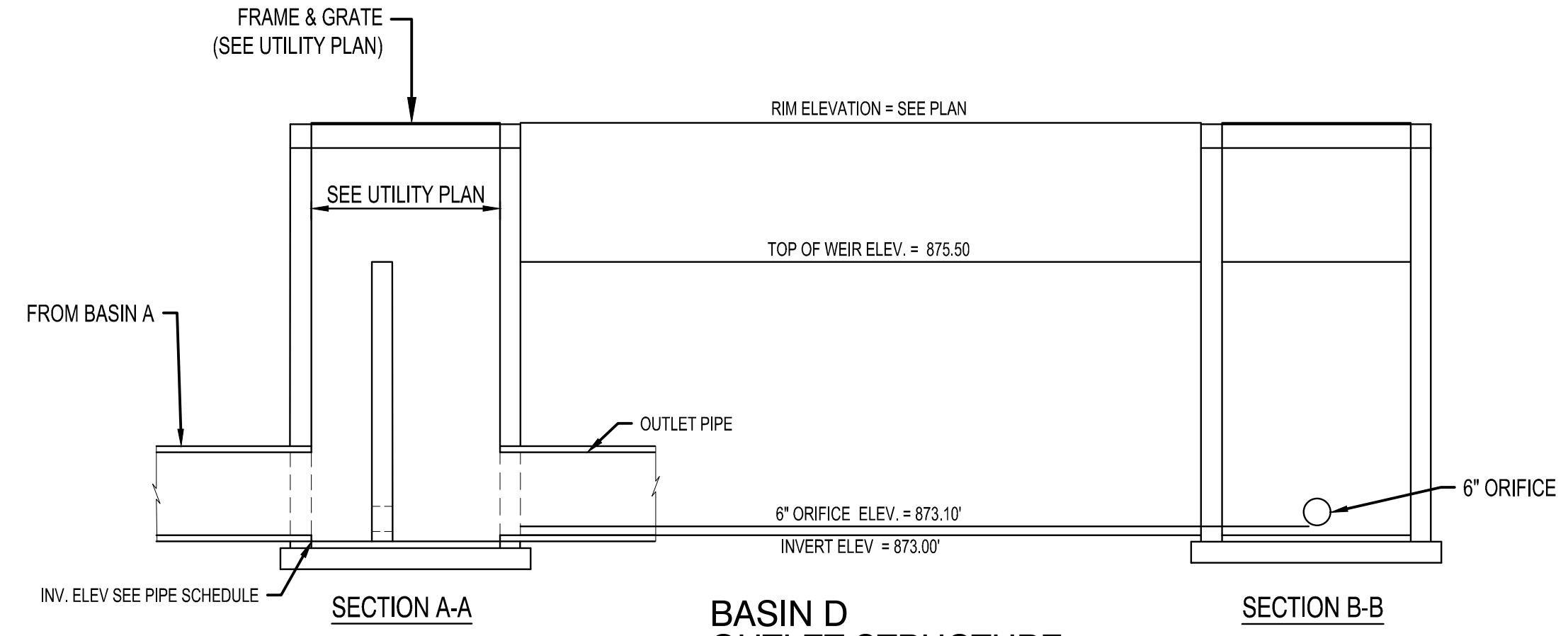
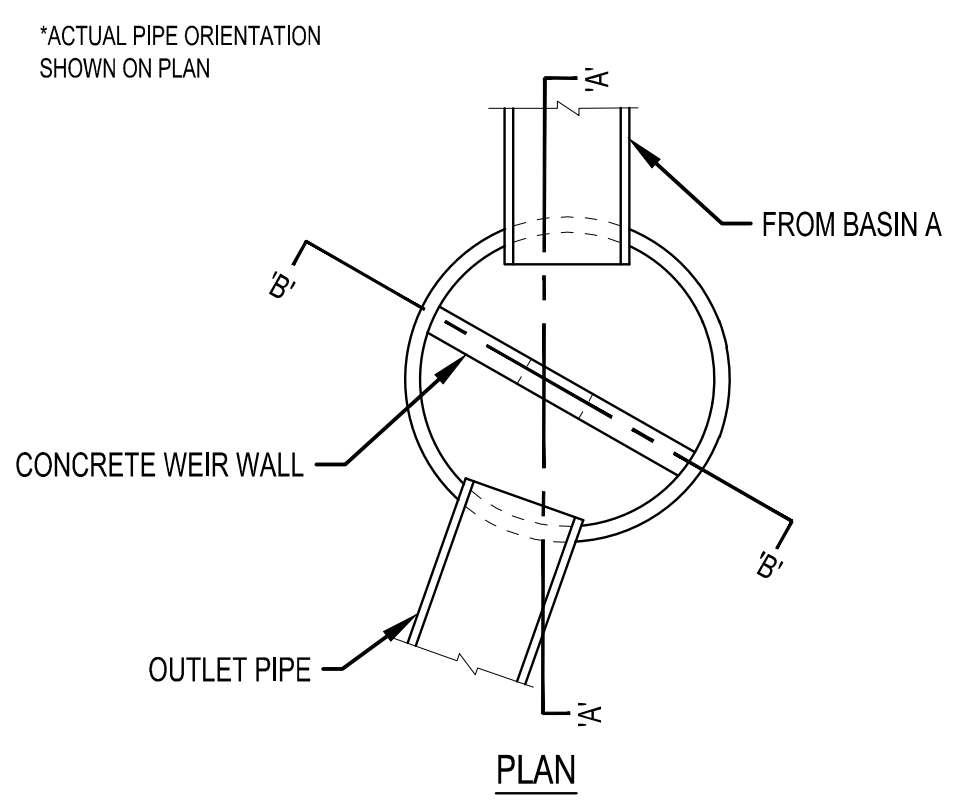
**BASIN A  
OUTLET STRUCTURE**  
NTS



**BASIN B  
OUTLET STRUCTURE**  
NTS



**BASIN C  
OUTLET STRUCTURE**  
NTS



**BASIN D  
OUTLET STRUCTURE**  
NTS

PLOT DATE: 11/16/2022 8:42 PM

FOR TREE PRESERVATION PLAN REFER TO SHEET C-511

REMOVAL LEGEND	
SYMBOL	DESCRIPTION
	REMOVE BITUMINOUS PAVEMENT
	REMOVE CONCRETE PAVEMENT
	REMOVE CONCRETE WALK
	REMOVE DECIDUOUS TREE (CLEAR AND GRUB)
	REMOVE CONIFEROUS TREE (CLEAR AND GRUB)

CONTRACTOR SHALL VERIFY EXISTING PAVEMENT SECTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. PAVEMENT REMOVALS SHALL INCLUDE FULL DEPTH SAWCUT AND SECTION REMOVAL.



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PROJECT  
**ANOKA RAMSEY ATHLETIC ASSOCIATION NEW DOME**

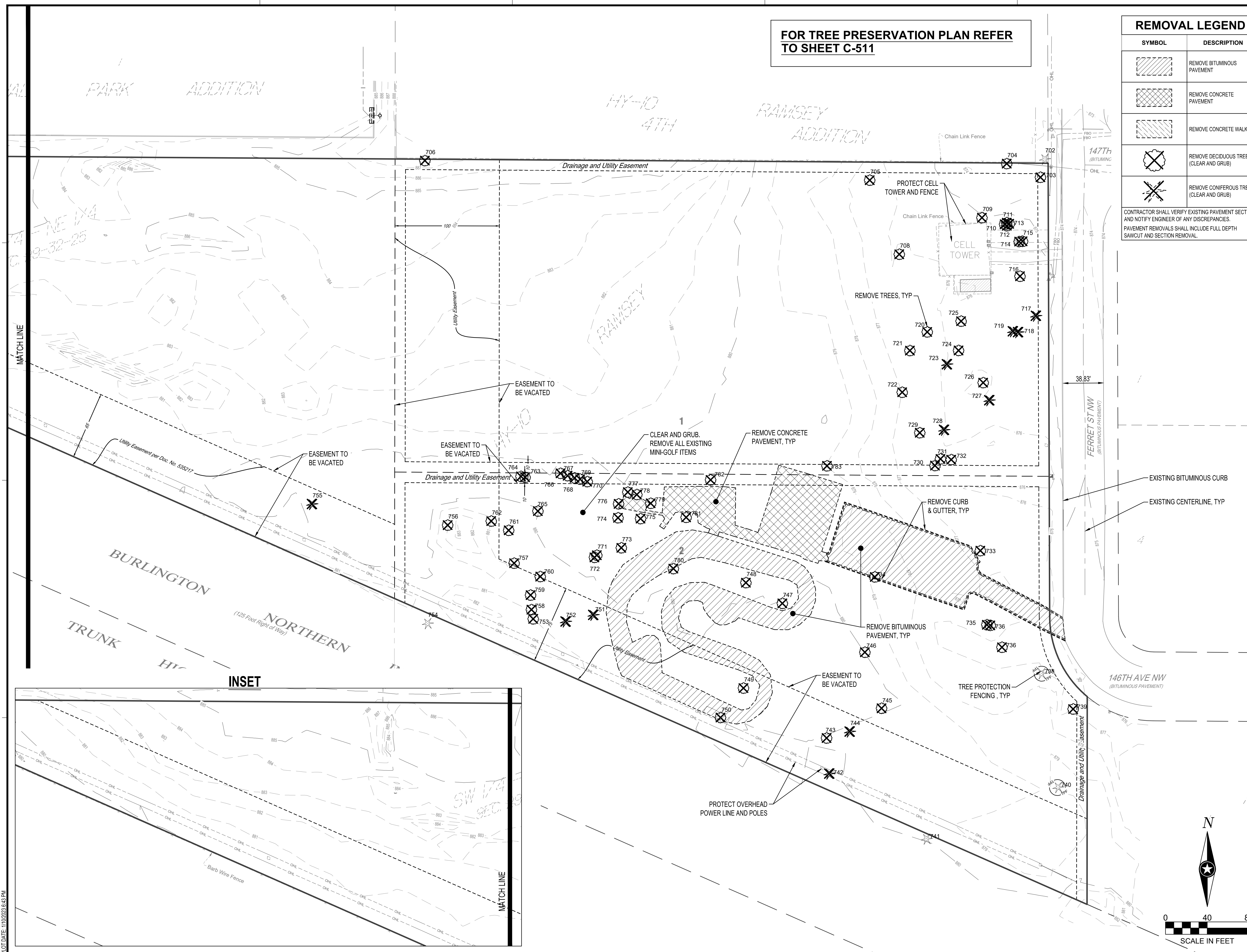
RAMSEY MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO. 22-26051  
 FILE NAME 26051 C2-EXIST  
 DRAWN BY AJR  
 DESIGNED BY AJR  
 REVIEWED BY RAS  
 ORIGINAL ISSUE DATE 12/16/2022  
 CLIENT PROJECT NO. -

TITLE  
**EXISTING SITE AND REMOVAL PLAN**

SHEET  
**C2-10**



PLOT DATE: 11/02/2022 8:43 PM

PRELIMINARY NOT FOR CONSTRUCTION

PRELIMINARY NOT FOR CONSTRUCTION

**PARKING CALCULATIONS**  
(SEE TRAFFIC AND PARKING IMPACT LETTER FOR MORE INFORMATION)

Total No. of High School Courts	Average No. of Players per Court	Average No. of Coaches per Court	Total No. of Users per Courts	Percentage of Users Parking	No. of Vehicles Parking
8	10	2	96	80%	77
Total No. of High School Fields	Average No. of Players per Field	Average No. of Coaches per Field	Total No. of Users per Fields	Percentage of Users Parking	No. of Vehicles Parking
1.3	15	2	26	80%	21
Maximum No. of Parking Stalls Utilized During Practice for High School Level Sports Only					98.00

**PAVEMENT LEGEND**

SYMBOL	DESCRIPTION
	BITUMINOUS PAVEMENT
	HEAVY DUTY BITUMINOUS PAVEMENT
	CONCRETE PAVEMENT
	HEAVY DUTY CONCRETE PAVEMENT
	CONCRETE WALK
	REVERSE PITCH CONCRETE CURB AND GUTTER



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PROJECT  
**ANOKA RAMSEY ATHLETIC ASSOCIATION NEW DOME**

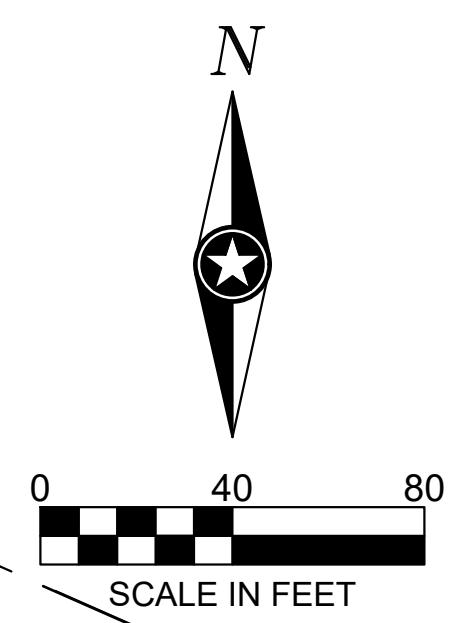
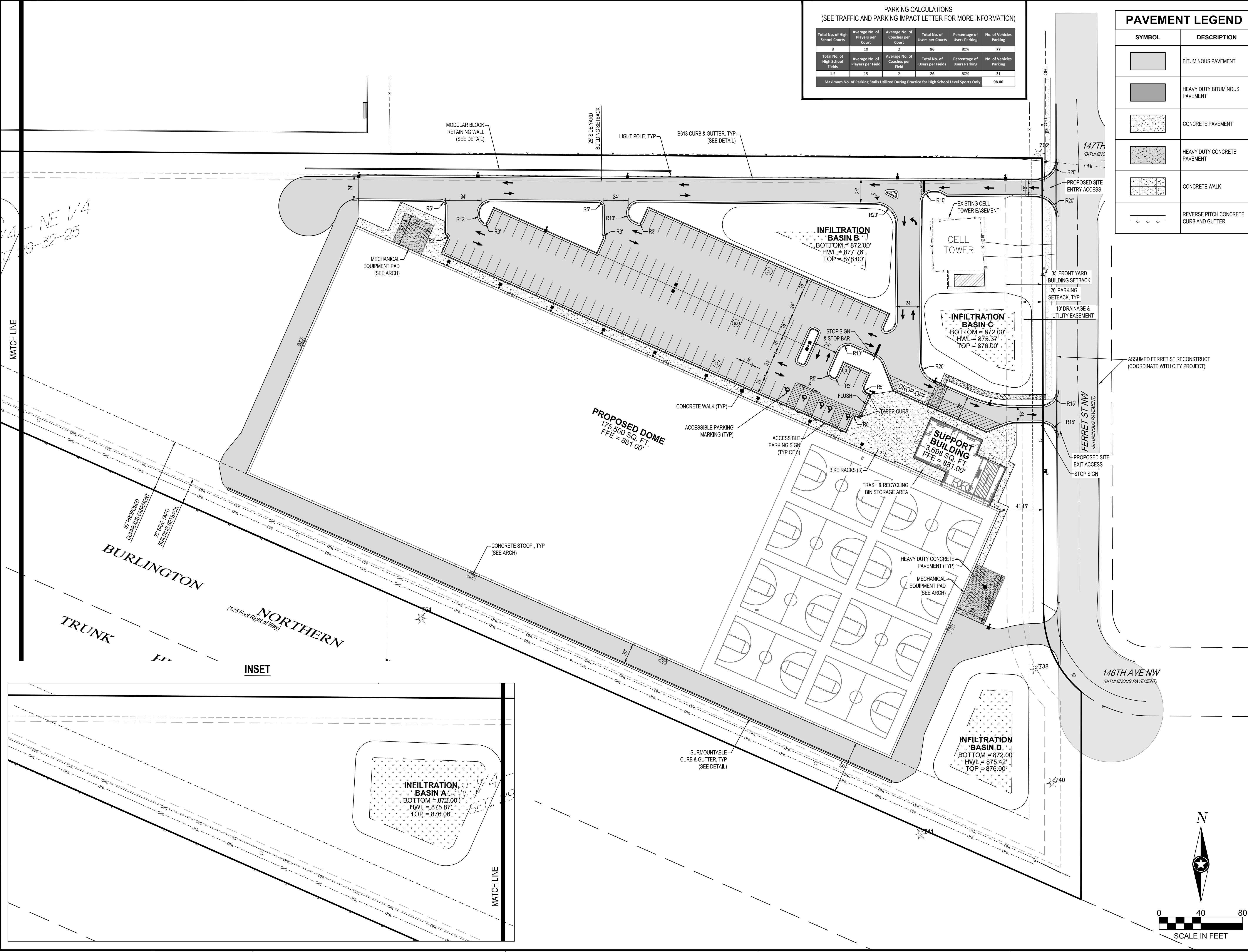
RAMSEY MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO. 22-26051  
FILE NAME 26051 C3-SITE  
DRAWN BY AJR  
DESIGNED BY AJR  
REVIEWED BY RAS  
ORIGINAL ISSUE DATE 12/16/2022  
CLIENT PROJECT NO. -

TITLE  
**SITE PLAN**

SHEET  
**C3-10**



PLOT DATE: 11/02/2022 8:50 PM



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PROJECT  
**ANOKA RAMSEY  
ATHLETIC  
ASSOCIATION  
NEW DOME**

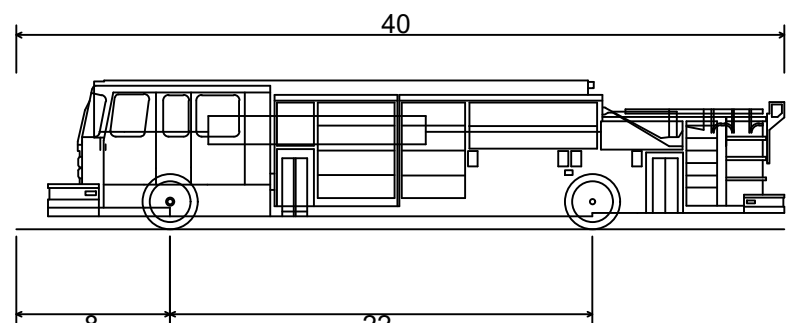
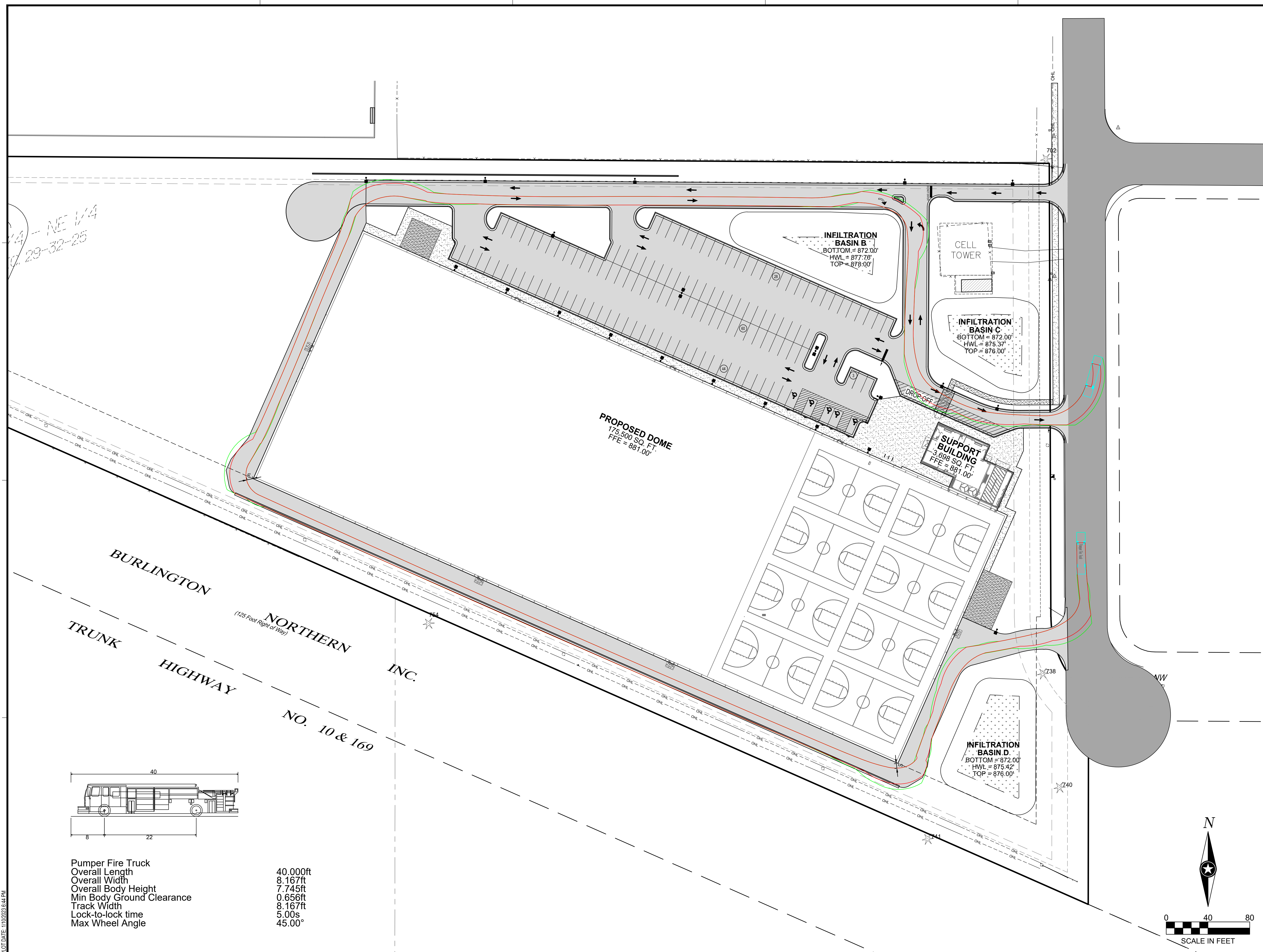
RAMSEY MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

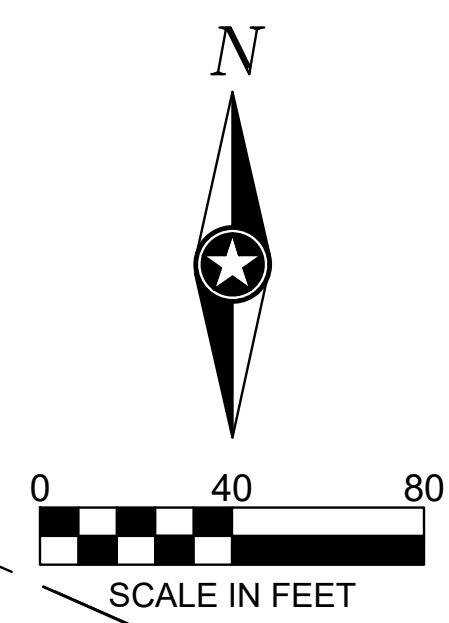
PROJECT NO. 22-26051  
FILE NAME 26051 C3-TRUCK ROUTE  
DRAWN BY AJR  
DESIGNED BY AJR  
REVIEWED BY RAS  
ORIGINAL ISSUE DATE 12/16/2022  
CLIENT PROJECT NO. -

TITLE  
**FIRE ACCESS  
ROUTE**

SHEET  
**C3-11**



Pumper Fire Truck  
Overall Length 40.000ft  
Overall Width 8.167ft  
Overall Body Height 7.745ft  
Min Body Ground Clearance 0.656ft  
Track Width 8.167ft  
Lock-to-lock time 5.00s  
Max Wheel Angle 45.00°



PLOT DATE: 11/02/2022 8:44 PM

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PROJECT  
**ANOKA RAMSEY  
ATHLETIC  
ASSOCIATION  
NEW DOME**

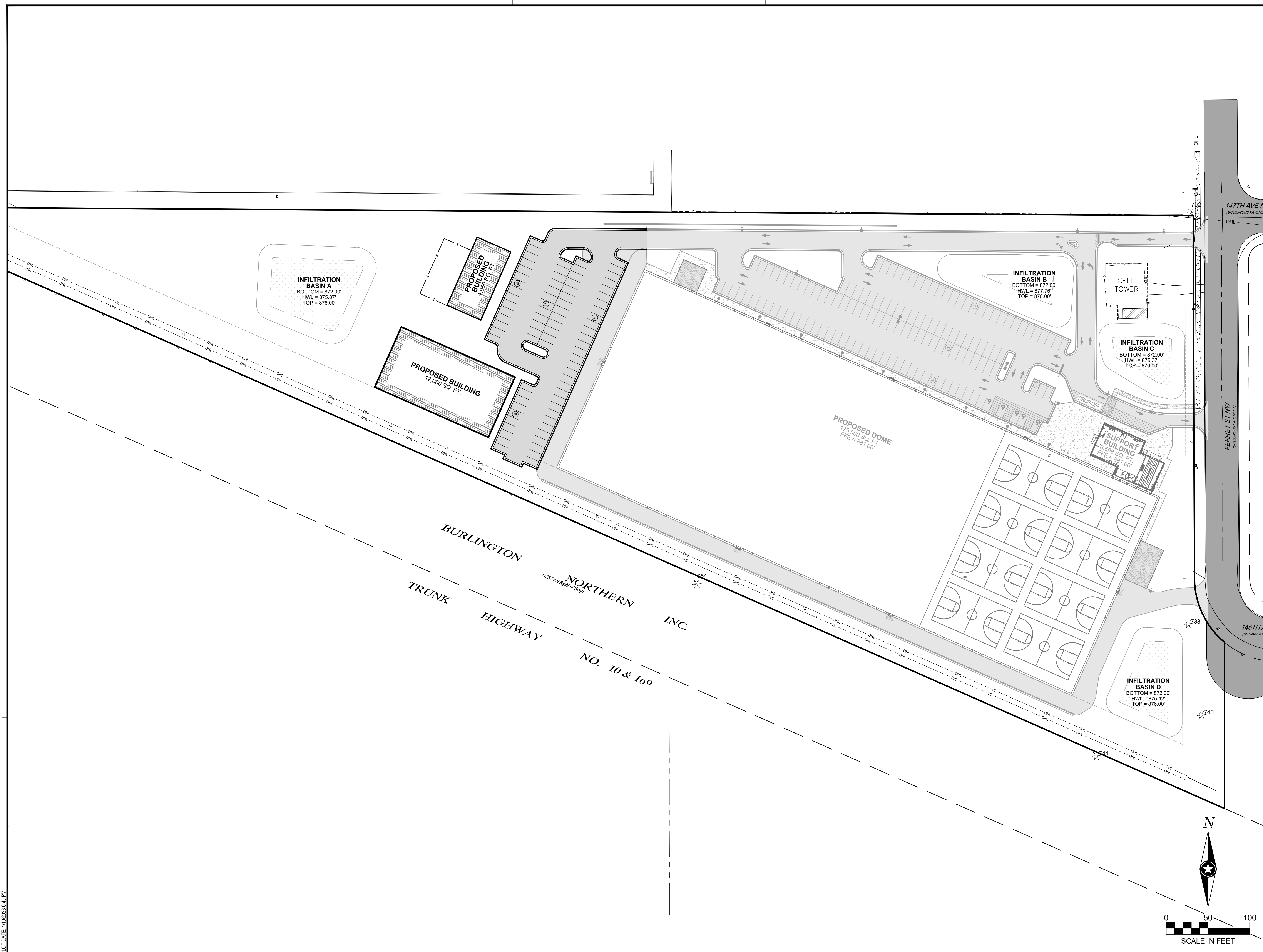
RAMSEY MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	22-26051
FILE NAME	26051 FUTURE SITE PHASE
DRAWN BY	AJR
DESIGNED BY	AJR
REVIEWED BY	RAS
ORIGINAL ISSUE DATE	12/16/2022
CLIENT PROJECT NO.	-

TITLE  
**FUTURE PHASE  
CONCEPT PLAN**

SHEET  
**1**



PLOT DATE: 11/10/2022 8:45 PM

**PRELIMINARY NOT FOR CONSTRUCTION**



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PROJECT

**ANOKA RAMSEY ATHLETIC ASSOCIATION NEW DOME**

RAMSEY MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

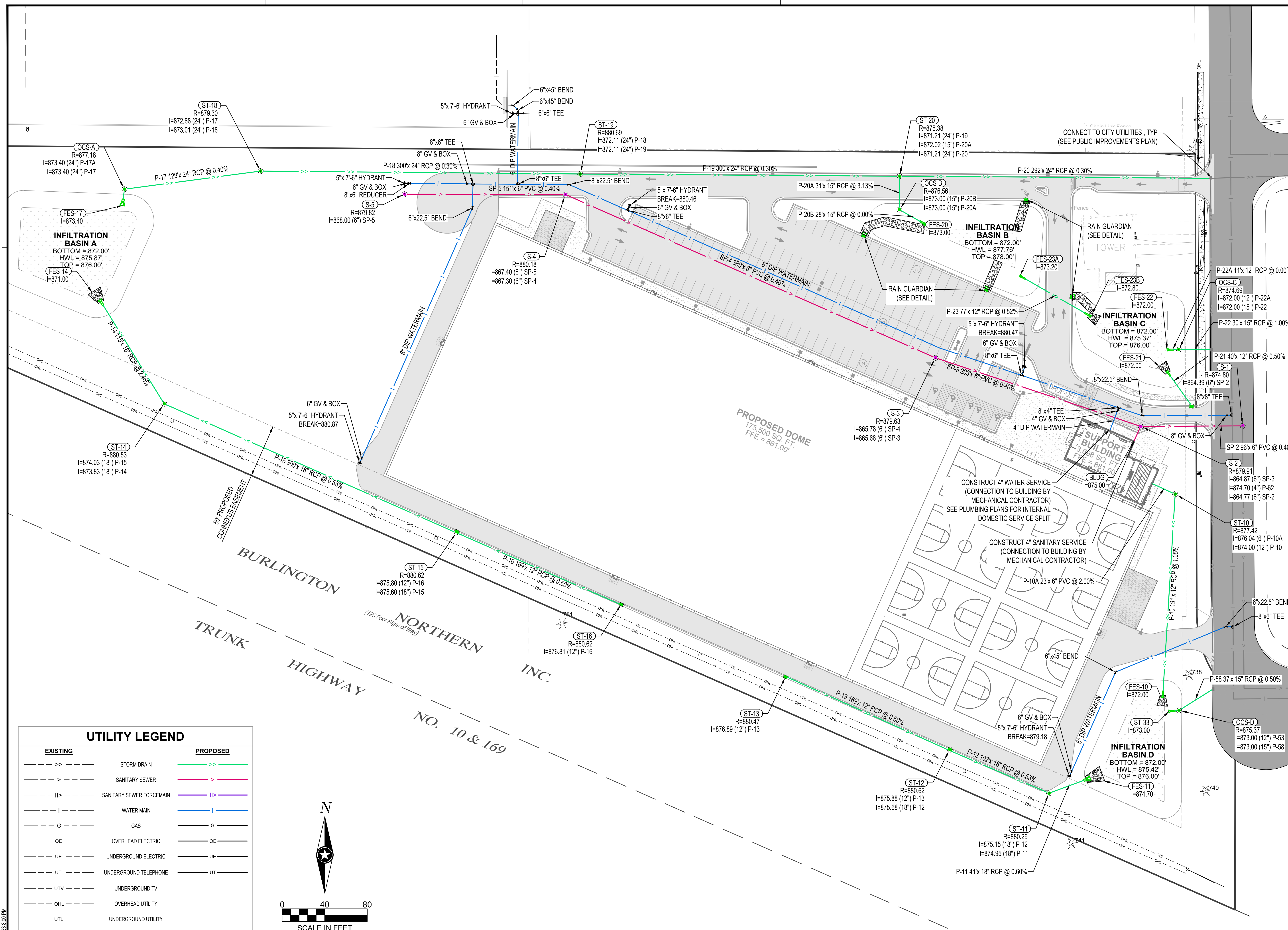
PROJECT NO.	22-26051
FILE NAME	26051 C3-UTILITY
DRAWN BY	AJR
DESIGNED BY	AJR
REVIEWED BY	RAS
ORIGINAL ISSUE DATE	12/16/2022
CLIENT PROJECT NO.	-

TITLE

**UTILITY PLAN**

SHEET

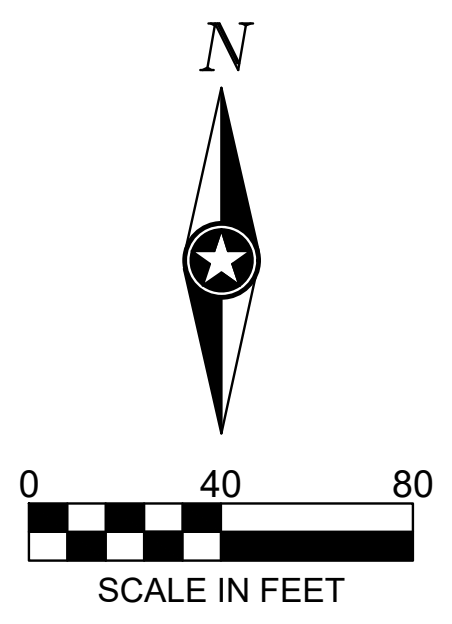
**C3-20**



**UTILITY LEGEND**

EXISTING	PROPOSED
--->---	--->---
--->---	--->---
---  ---	---  ---
--- ---	--- ---
---	---
---OE---	---OE---
---UE---	---UE---
---UT---	---UT---
---UTV---	---UTV---
---OHL---	---OHL---
---UTL---	---UTL---
---	---

NOTE:  
CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES.



FERRET STREET IS PLANNED TO BE RECONSTRUCTED BY THE CITY. COORDINATE WITH CITY OF RAMSEY FOR ALL UTILITY CONNECTIONS

PLOT DATE: 11/16/2022 8:00 PM

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**REESE A. SUDTELGTE**

DATE 12/15/2022 LIC. NO. 54243

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**MITCHELL R. WORKMON**

DATE 12/15/2022 LIC. NO. 53748

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PROJECT  
**ANOKA RAMSEY ATHLETIC ASSOCIATION NEW DOME**

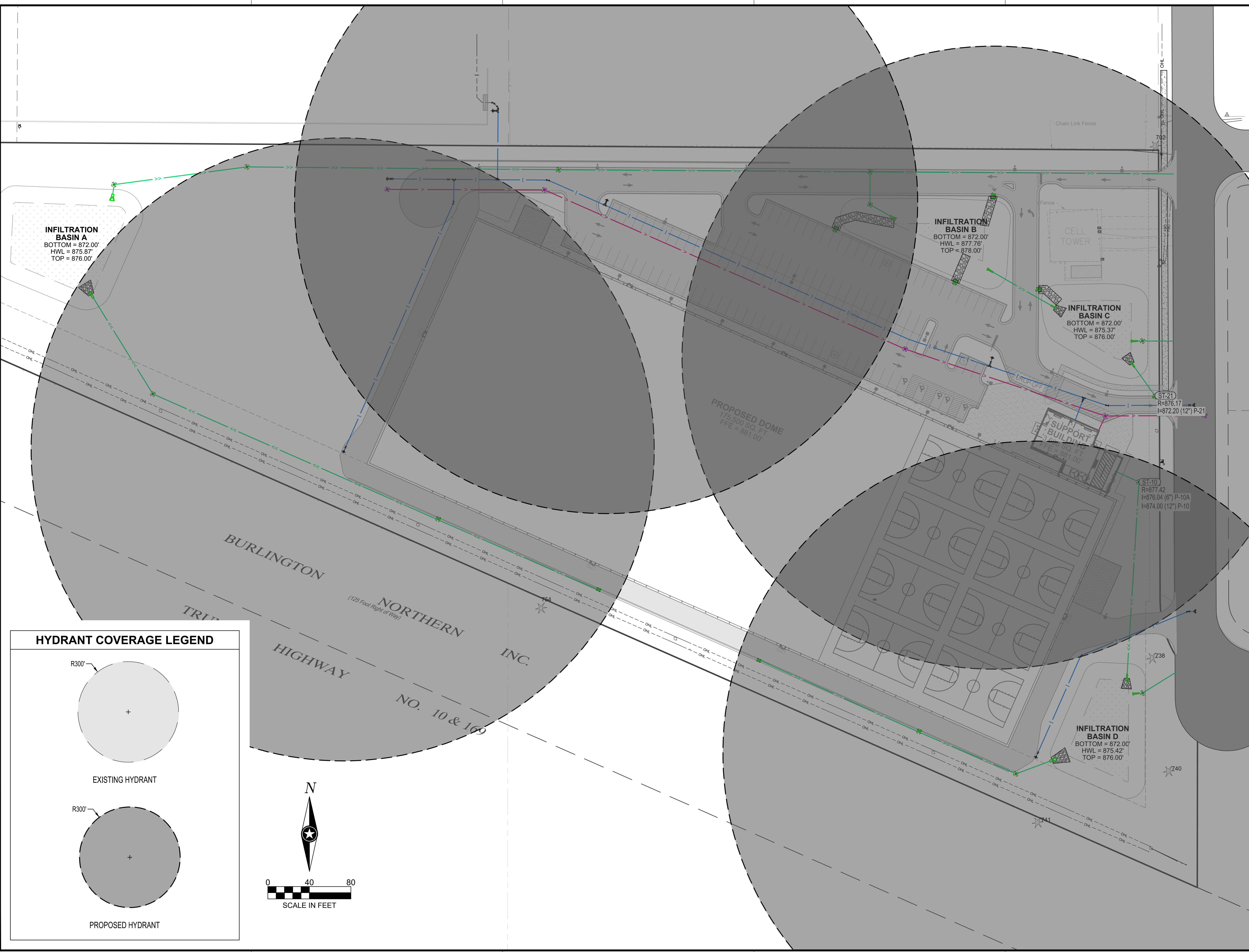
RAMSEY MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	22-26051
FILE NAME	26051 C3-HYDRANT
DRAWN BY	AJR
DESIGNED BY	AJR
REVIEWED BY	RAS
ORIGINAL ISSUE DATE	12/16/2022
CLIENT PROJECT NO.	-

TITLE  
**HYDRANT COVERAGE PLAN**

SHEET  
**C3-21**



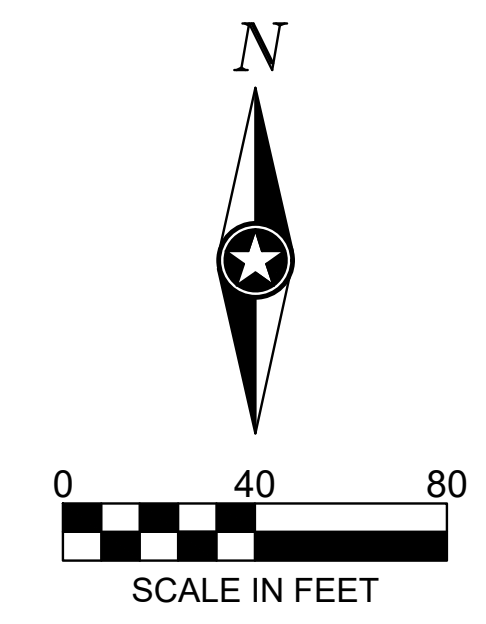
**HYDRANT COVERAGE LEGEND**

R300'

EXISTING HYDRANT

R300'

PROPOSED HYDRANT



PLOT DATE: 11/16/2022 8:01 PM

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PROJECT

**ANOKA RAMSEY ATHLETIC ASSOCIATION NEW DOME**

RAMSEY MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	22-26051
FILE NAME	26051 C3-UTILITY
DRAWN BY	AJR
DESIGNED BY	AJR
REVIEWED BY	RAS
ORIGINAL ISSUE DATE	12/16/2022
CLIENT PROJECT NO.	-

TITLE

**UTILITY SCHEDULES**

SHEET

**C3-30**

STORM DRAIN APRON SCHEDULE				
APRON NO.	APRON SIZE (IN)	APRON MATERIAL	INVERT ELEVATION	PIPE NO.
FES-11	18	RC	874.70	P-11
FES-14	18	RC	871.00	P-14
FES-17	24	RC	873.40	P-17A
FES-21	12	RC	872.00	P-21

STORM DRAIN STRUCTURE SCHEDULE								
STRUCTURE NO.	STRUCTURE TYPE	STRUCTURE SIZE (IN)	STRUCTURE MATERIAL	CASTING	PAY HEIGHT (LN FT)	* TOP OF CASTING ELEVATION	INVERT ELEVATION	OUTLET PIPE
OCS-A	MhDOT 4020	48 Ø	RC	NEENAH R-1670	3.98	877.18	873.20	P-17
ST-1	MhDOT 4020	48 Ø	RC	NEENAH R-3246R	2.48	876.83	874.35	
ST-10	MhDOT 4020	48 Ø	RC	NEENAH R-1670	3.42	877.42	874.00	P-10
ST-11	MhDOT 4020	48 Ø	RC	NEENAH R-1670	5.34	880.29	874.95	P-11
ST-12	MhDOT 4020	48 Ø	RC	NEENAH R-3067	4.94	880.62	875.68	P-12
ST-13	CATCH BASIN (TYPE 1)	36 x 24	RC	NEENAH R-3067	3.58	880.47	876.89	P-13
ST-14	MhDOT 4020	48 Ø	RC	NEENAH R-1670	6.70	880.53	873.83	P-14
ST-15	MhDOT 4020	48 Ø	RC	NEENAH R-3067	5.02	880.62	875.60	P-15
ST-16	CATCH BASIN (TYPE 1)	36 x 24	RC	NEENAH R-3067	4.08	880.62	876.54	P-16
ST-18	MhDOT 4020	48 Ø	RC	NEENAH R-1670	6.61	879.30	872.68	P-18
ST-19	MhDOT 4020	48 Ø	RC	NEENAH R-1670	8.78	880.69	871.91	P-19
ST-20	MhDOT 4020	48 Ø	RC	NEENAH R-1670	7.37	878.36	871.01	P-20

STORM DRAIN PIPE SCHEDULE									
PIPE NO.	DRAIN FROM	INLET ELEVATION	DRAIN TO	OUTLET ELEVATION	PIPE SIZE (IN)	MATERIAL	PIPE CLASS	PIPE GRADE	PIPE LENGTH (FT)
P-10	ST-10	874.00	FES-10	872.00	12	RCP	RCP	1.05%	191
P-10A	ST-50	876.50	ST-10	876.04	6	PVC	PVC	2.00%	23
P-11	ST-11	874.95	FES-11	874.70	18	RCP	RCP	0.60%	41
P-12	ST-12	875.68	ST-11	875.15	18	RCP	RCP	0.53%	102
P-13	ST-13	876.89	ST-12	875.88	12	RCP	RCP	0.60%	169
P-14	ST-14	873.83	FES-14	871.00	18	RCP	RCP	2.46%	115
P-15	ST-15	875.60	ST-14	874.03	18	RCP	RCP	0.53%	300
P-16	ST-16	876.81	ST-15	875.80	12	RCP	RCP	0.60%	169
P-17	OCS-A	873.40	ST-18	872.88	24	RCP	RCP	0.40%	129
P-17A	FES-17	873.40	OCS-A	873.40	24	RCP	RCP	0.00%	16
P-18	ST-18	873.01	ST-19	872.11	24	RCP	RCP	0.30%	300
P-19	ST-19	872.11	ST-20	871.21	24	RCP	RCP	0.30%	300
P-20	ST-20	871.21		870.34	24	RCP	RCP	0.30%	292
P-20A	OCS-8	873.00	ST-20	872.02	15	RCP	RCP	3.13%	31
P-20B	FES-20	873.00	OCS-8	873.00	15	RCP	RCP	0.00%	28
P-21	ST-21	872.20	FES-21	872.00	12	RCP	RCP	0.50%	40
P-22	OCS-C	872.00		871.70	15	RCP	RCP	1.00%	30
P-22A	FES-22	872.00	OCS-C	872.00	12	RCP	RCP	0.00%	11
P-23	FES-23A	873.20	FES-23B	872.80	12	RCP	RCP	0.52%	77
P-53	ST-33	873.00	OCS-D	873.00	12	RCP	RCP	0.00%	10
P-58	OCS-D	873.00		872.81	15	RCP	RCP	0.50%	37

SANITARY SEWER STRUCTURE SCHEDULE									
STRUCTURE NO.	STRUCTURE TYPE	STRUCTURE SIZE (IN)	STRUCTURE MATERIAL	CASTING	PAY HEIGHT (LN FT)	TOP OF CASTING ELEVATION	INVERT ELEVATION	OUTLET PIPE	
S-1	MhDOT 4007C	48 Ø	RC	MINDOT 700-7 SELF SEAL 716 COVER CONCEALED PICK HOLES	10.42	874.80	864.39		
S-2	MhDOT 4007C	48 Ø	RC	MINDOT 700-7 SELF SEAL 716 COVER CONCEALED PICK HOLES	15.14	879.91	864.77	SP-2	
S-3	MhDOT 4007C	48 Ø	RC	MINDOT 700-7 SELF SEAL 716 COVER CONCEALED PICK HOLES	13.95	879.63	865.68	SP-3	
S-4	MhDOT 4007C	48 Ø	RC	MINDOT 700-7 SELF SEAL 716 COVER CONCEALED PICK HOLES	12.88	880.18	867.30	SP-4	
S-5	MhDOT 4007C	48 Ø	RC	MINDOT 700-7 SELF SEAL 716 COVER CONCEALED PICK HOLES	11.82	879.82	868.00	SP-5	

SANITARY SEWER PIPE SCHEDULE									
PIPE NO.	DRAIN FROM	INLET ELEVATION	DRAIN TO	OUTLET ELEVATION	PIPE SIZE	MATERIAL	PIPE CLASS	PIPE GRADE	PIPE LENGTH (FT)
P-62	BLDG	875.00	S-2	874.70	4"	PVC	SDR-35	2.00%	15
SP-2	S-2	864.77	S-1	864.39	6"	PVC	SDR-35	0.40%	96
SP-3	S-3	865.68	S-2	864.87	6"	PVC	SDR-35	0.40%	203
SP-4	S-4	867.30	S-3	865.78	6"	PVC	SDR-35	0.40%	380
SP-5	S-5	868.00	S-4	867.40	6"	PVC	SDR-35	0.40%	151

HYDRANT & VALVE SCHEDULE		
TYPE	SIZE	NOTES
GV & BOX	4"	4in Gate Valve
GV & BOX	8"	8in Gate Valve
GV & BOX	6"	6in Gate Valve
GV & BOX	6"	6in Gate Valve
GV & BOX	8"	8in Gate Valve
GV & BOX	6"	6in Gate Valve
GV & BOX	6"	6in Gate Valve
GV & BOX	6"	6in Gate Valve
GV & BOX	6"	6in Gate Valve
GV & BOX	6"	6in Gate Valve
HYDRANT	5"x 7'-6"	Hydrant 7-6"
HYDRANT	5"x 7'-6"	Hydrant 7-6"
HYDRANT	5"x 7'-6"	Hydrant 7-6"
HYDRANT	5"x 7'-6"	Hydrant 7-6"
HYDRANT	5"x 7'-6"	Hydrant 7-6"

WATERMAIN FITTING SCHEDULE		
TYPE	SIZE	WEIGHT (LBS)
BEND	6"x45"	36
BEND	6"x22.5"	31
TEE	8"x6"	79
TEE	8"x6"	79
BEND	6"x45"	36
BEND	6"x45"	36
???	6	???
TEE	8"x6"	79
BEND	6"x22.5"	31
REDUCER	8"x6"	39
BEND	8"x22.5"	50
TEE	8"x6"	79
TEE	8"x6"	79
TEE	8"x6"	79
TEE	8"x8"	90
BEND	8"x22.5"	50

WATERMAIN SCHEDULE		
PIPE TYPE	** PIPE LENGTH (FT)	PIPE SIZE (IN)
DIP	320	8
DIP	59	8
DIP	79	6
DIP	23	6
DIP	95	6
DIP	4	6

WATERMAIN SCHEDULE		
PIPE TYPE	** PIPE LENGTH (FT)	PIPE SIZE (IN)
DIP	4	6
DIP	2	6
DIP	2	6
DIP	4	6
DIP	101	6
DIP	111	6
DIP	4	6
DIP	257	6
DIP	5	8
DIP	22	6
DIP	3	6
DIP	2	4
DIP	19	4
DIP	53	8
DIP	48	8
DIP	41	8
DIP	2	6
DIP	2	6
DIP	5	6
DIP	2	6
DIP	65	6
DIP	6	6
DIP	2	6
DIP	2	6
DIP	81	6

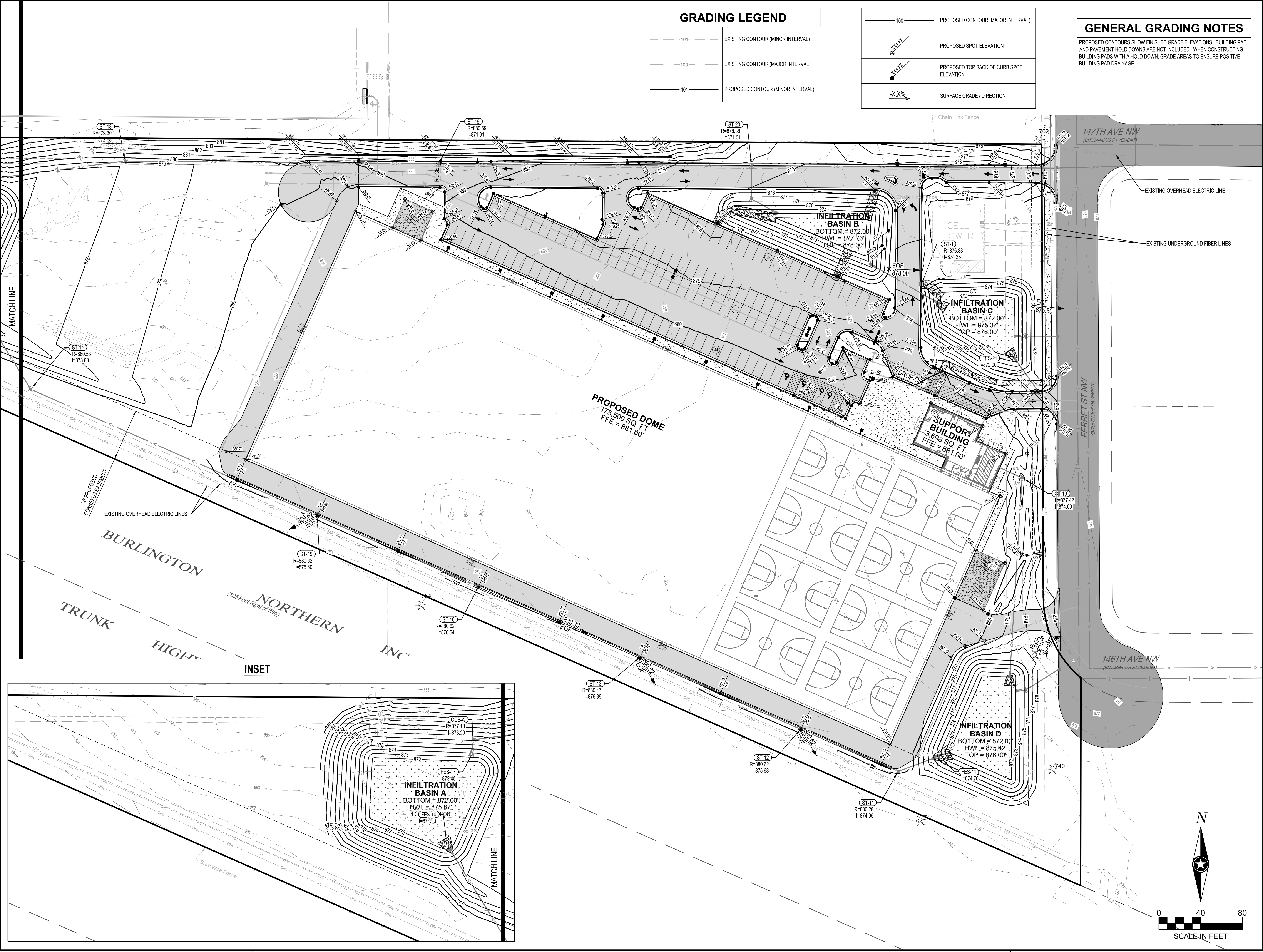
PLOT DATE: 11/16/2022 8:01 PM

GRADING LEGEND	
	EXISTING CONTOUR (MINOR INTERVAL)
	EXISTING CONTOUR (MAJOR INTERVAL)
	EXISTING CONTOUR (MINOR INTERVAL)
	PROPOSED CONTOUR (MINOR INTERVAL)

	PROPOSED CONTOUR (MAJOR INTERVAL)
	PROPOSED SPOT ELEVATION
	PROPOSED TOP BACK OF CURB SPOT ELEVATION
	SURFACE GRADE / DIRECTION

**GENERAL GRADING NOTES**

PROPOSED CONTOURS SHOW FINISHED GRADE ELEVATIONS. BUILDING PAD AND PAVEMENT HOLD DOWNS ARE NOT INCLUDED. WHEN CONSTRUCTING BUILDING PADS WITH A HOLD DOWN, GRADE AREAS TO ENSURE POSITIVE BUILDING PAD DRAINAGE.



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**REESE A. SUDELGTGE**

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PROJECT  
**ANOKA RAMSEY ATHLETIC ASSOCIATION NEW DOME**

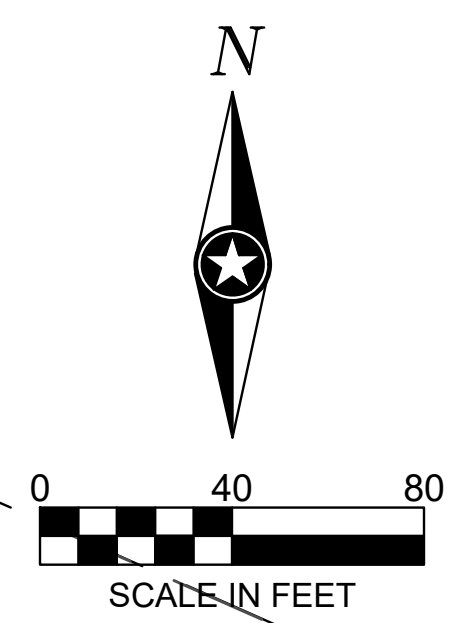
RAMSEY MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO. 22-26051  
 FILE NAME 26051 C4-GRADE  
 DRAWN BY AJR  
 DESIGNED BY AJR  
 REVIEWED BY RAS  
 ORIGINAL ISSUE DATE 12/16/2022  
 CLIENT PROJECT NO. -

TITLE  
**OVERALL GRADING PLAN**

SHEET  
**C4-10**



PLOT DATE: 11/02/2022 8:47 PM

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