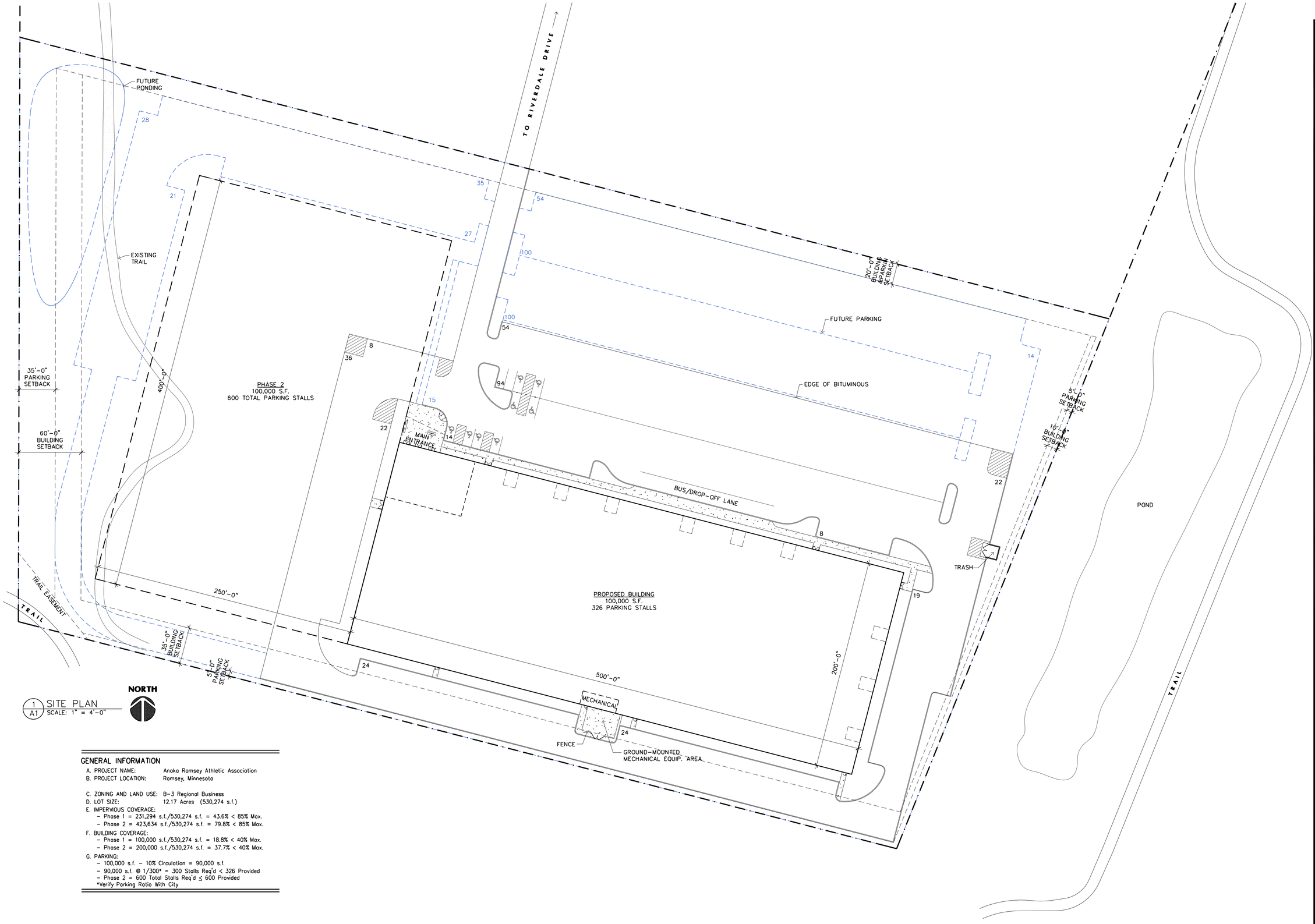


1 / A1 SITE PLAN
SCALE: 1" = 4'-0"

NORTH

GENERAL INFORMATION

A. PROJECT NAME: Anoka Ramsey Athletic Association
B. PROJECT LOCATION: Ramsey, Minnesota

C. ZONING AND LAND USE: B-3 Regional Business
D. LOT SIZE: 12.17 Acres (530,274 s.f.)
E. IMPERVIOUS COVERAGE:
- Phase 1 = 231,294 s.f./530,274 s.f. = 43.6% < 85% Max.
- Phase 2 = 423,634 s.f./530,274 s.f. = 79.8% < 85% Max.

F. BUILDING COVERAGE:
- Phase 1 = 100,000 s.f./530,274 s.f. = 18.8% < 40% Max.
- Phase 2 = 200,000 s.f./530,274 s.f. = 37.7% < 40% Max.

G. PARKING:
- 100,000 s.f. - 10% Circulation = 90,000 s.f.
- 90,000 s.f. @ 1/300* = 300 Stalls Req'd < 326 Provided
- Phase 2 = 600 Total Stalls Req'd ≤ 600 Provided

*Verify Parking Ratio With City

Filename:

LAMPERT ARCHITECTS
420 Summit Avenue
St. Paul, MN 55102
Phone:763.755.1211 Fax:763.757.2849
lampert@lampert-arch.com

ARCHITECT CERTIFICATION:
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 ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRELIMINARY NOT FOR CONSTRUCTION

SIGNATURE
LEONARD LAMPERT
PRINTED NAME
13669
LICENSE NO.
00/00/00
DATE

ANOKA RAMSEY ATHLETIC ASSOCIATION

Ramsey, Minnesota

Project Designer: L. SCHMIDT
Drawn By: LLS
Checked By: LL

Revisions

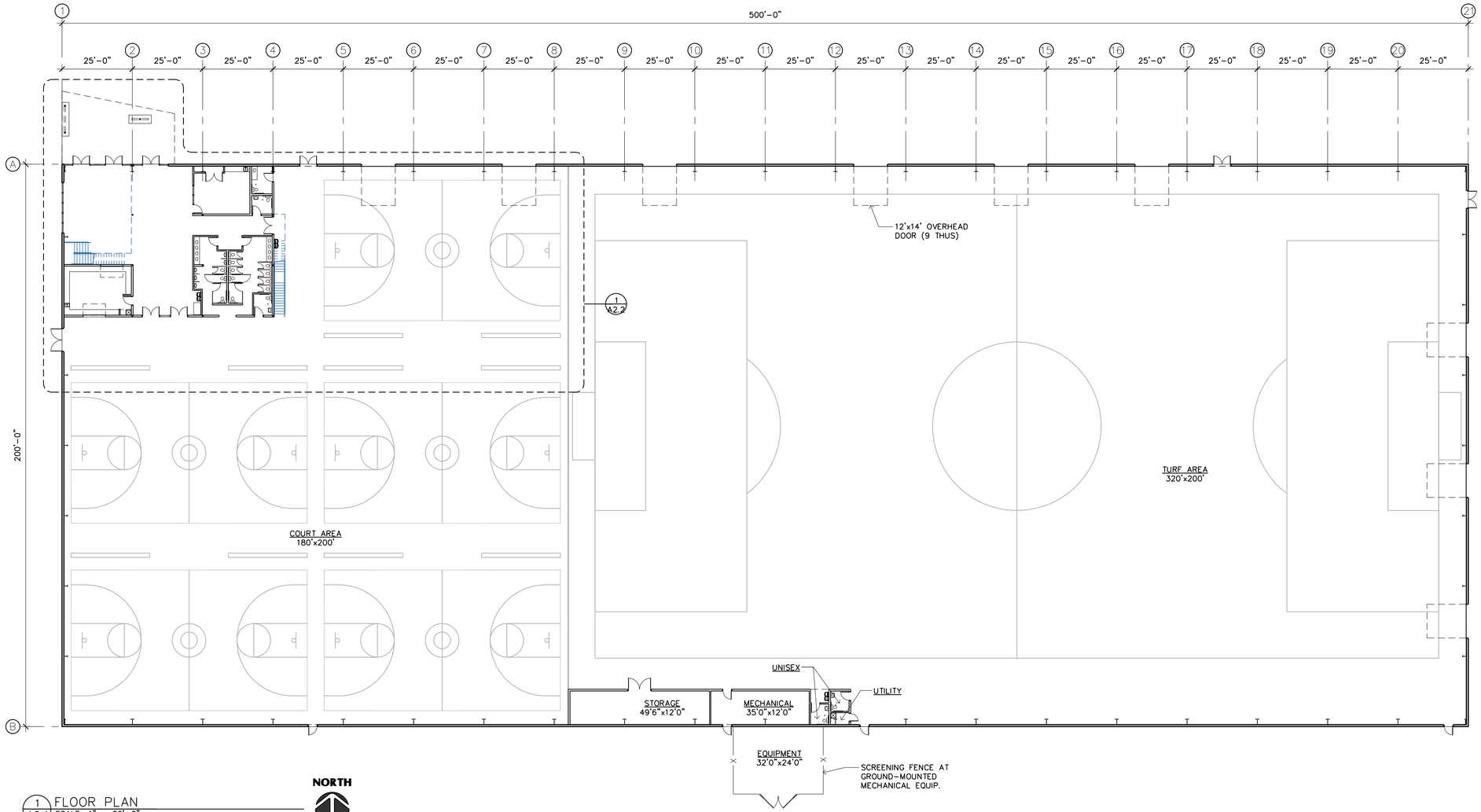
5/3/24	PRELIMINARY
5/24/24	PRELIMINARY

SITE PLAN

Sheet Number

A1

Project No. 240229-1



1 A2.1 FLOOR PLAN
SCALE: 1" = 20'-0"

NORTH

Filename:

LAMPERT ARCHITECTS
420 Summit Avenue
St. Paul, MN 55102
Phone:763.755.1211 Fax:763.757.2849
lampert@lampert-arch.com

ARCHITECT CERTIFICATION:
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 ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRELIMINARY NOT FOR CONSTRUCTION

SIGNATURE
LEONARD LAMPERT
PRINTED NAME
13669
LICENSE NO.
00/00/00
DATE

ANOKA RAMSEY ATHLETIC ASSOCIATION
Ramsey, Minnesota

Project Designer: L. SCHMIDT
Drawn By: LLS
Checked By: LL

Revisions

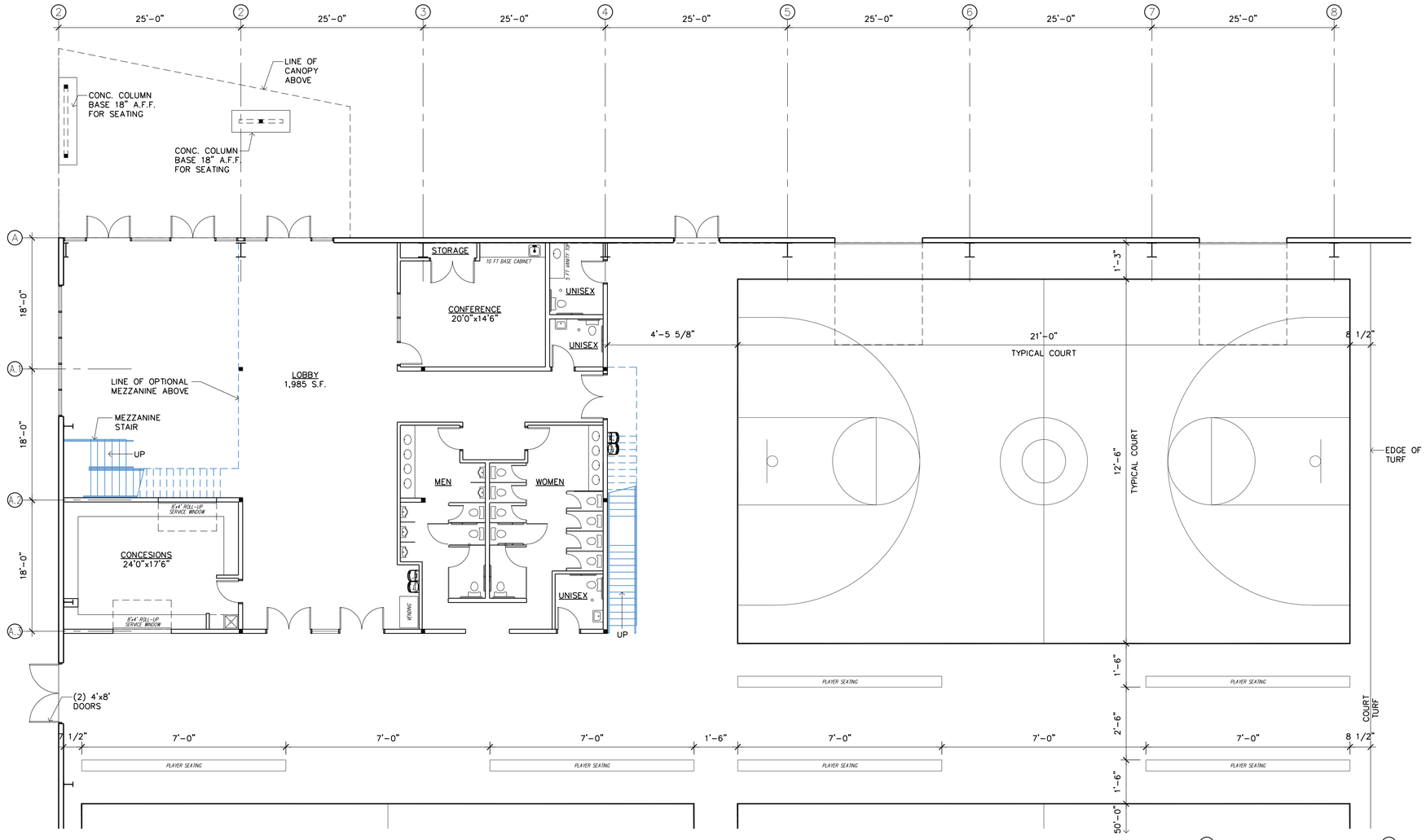
5/24/24	PRELIMINARY

FLOOR PLAN

Sheet Number

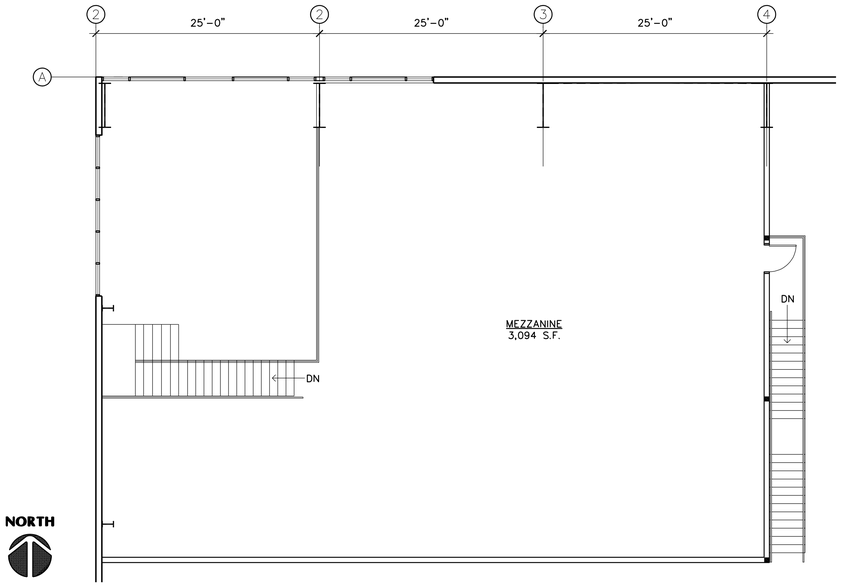
A2.1

Project No. 240229-1



2 A2.2 ENLARGED FLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH



2 A2.2 MEZZANINE PLAN (OPTIONAL)
SCALE: 1/8" = 1'-0"

NORTH

Filename:

LAMPERT ARCHITECTS
420 Summit Avenue
St. Paul, MN 55102
Phone:763.755.1211 Fax:763.757.2849
lampert@lampert-arch.com

ARCHITECT CERTIFICATION:
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 ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRELIMINARY NOT FOR CONSTRUCTION

SIGNATURE
LEONARD LAMPERT
PRINTED NAME
13669
LICENSE NUMBER
00/00/00
DATE

ANOKA RAMSEY ATHLETIC ASSOCIATION
Ramsey, Minnesota

Project Designer: L. SCHMIDT
Drawn By: LLS
Checked By: LL
Revisions

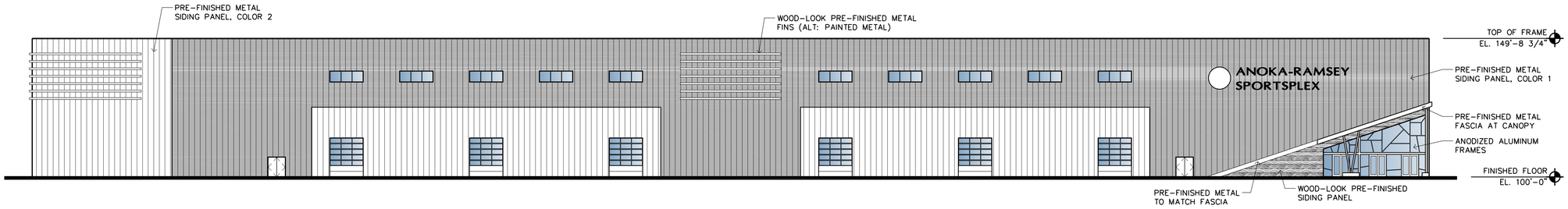
5/24/24	PRELIMINARY

ENLARGED FLOOR PLAN MEZZANINE PLAN

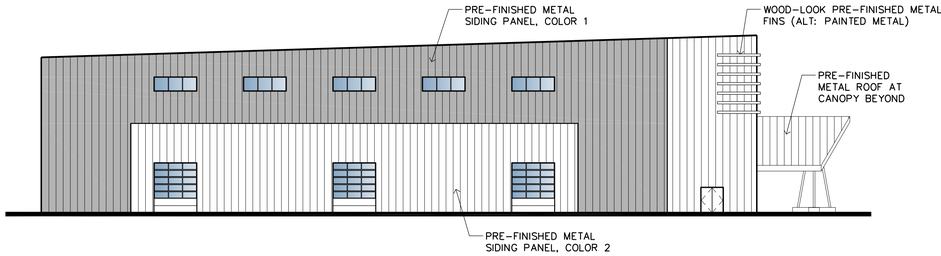
Sheet Number

A2.2

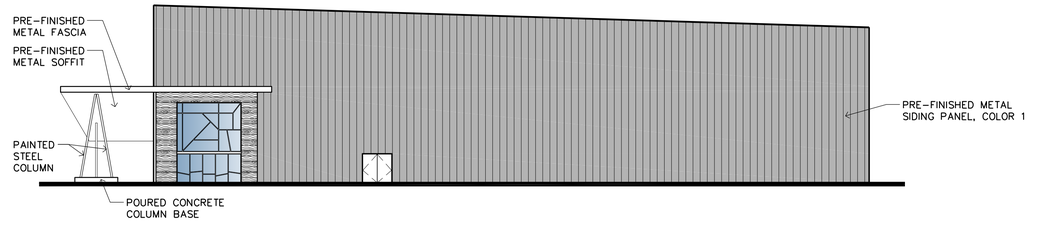
Project No. 240229-1



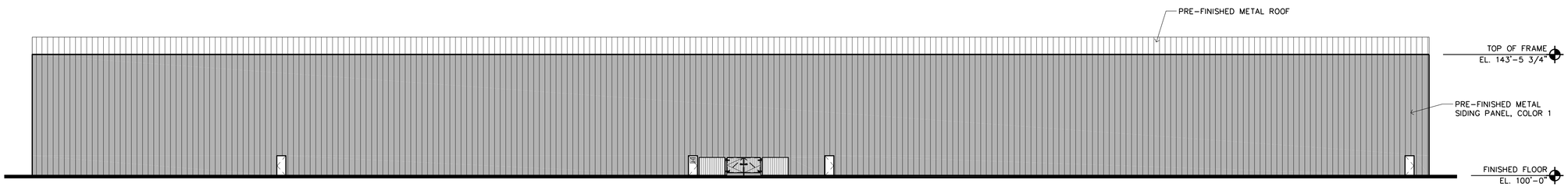
1 / A3 NORTH ELEVATION
SCALE: 1" = 20'-0"



2 / A3 EAST ELEVATION
SCALE: 1" = 20'-0"



3 / A3 WEST ELEVATION
SCALE: 1" = 20'-0"



4 / A3 SOUTH ELEVATION
SCALE: 1" = 20'-0"

Filename:

LAMPERT ARCHITECTS
420 Summit Avenue
St. Paul, MN 55102
Phone:763.755.1211 Fax:763.757.2849
lampert@lampert-arch.com

ARCHITECT CERTIFICATION:
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 ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRELIMINARY NOT FOR CONSTRUCTION

SIGNATURE
LEONARD LAMPERT
PRINTED NAME
13669
LICENSE NUMBER
00/00/00
DATE

ANOKA RAMSEY ATHLETIC ASSOCIATION
Ramsey, Minnesota

Project Designer: L. SCHMIDT
Drawn By: LLS
Checked By: LL

Revisions

5/24/24	PRELIMINARY

BUILDING ELEVATIONS

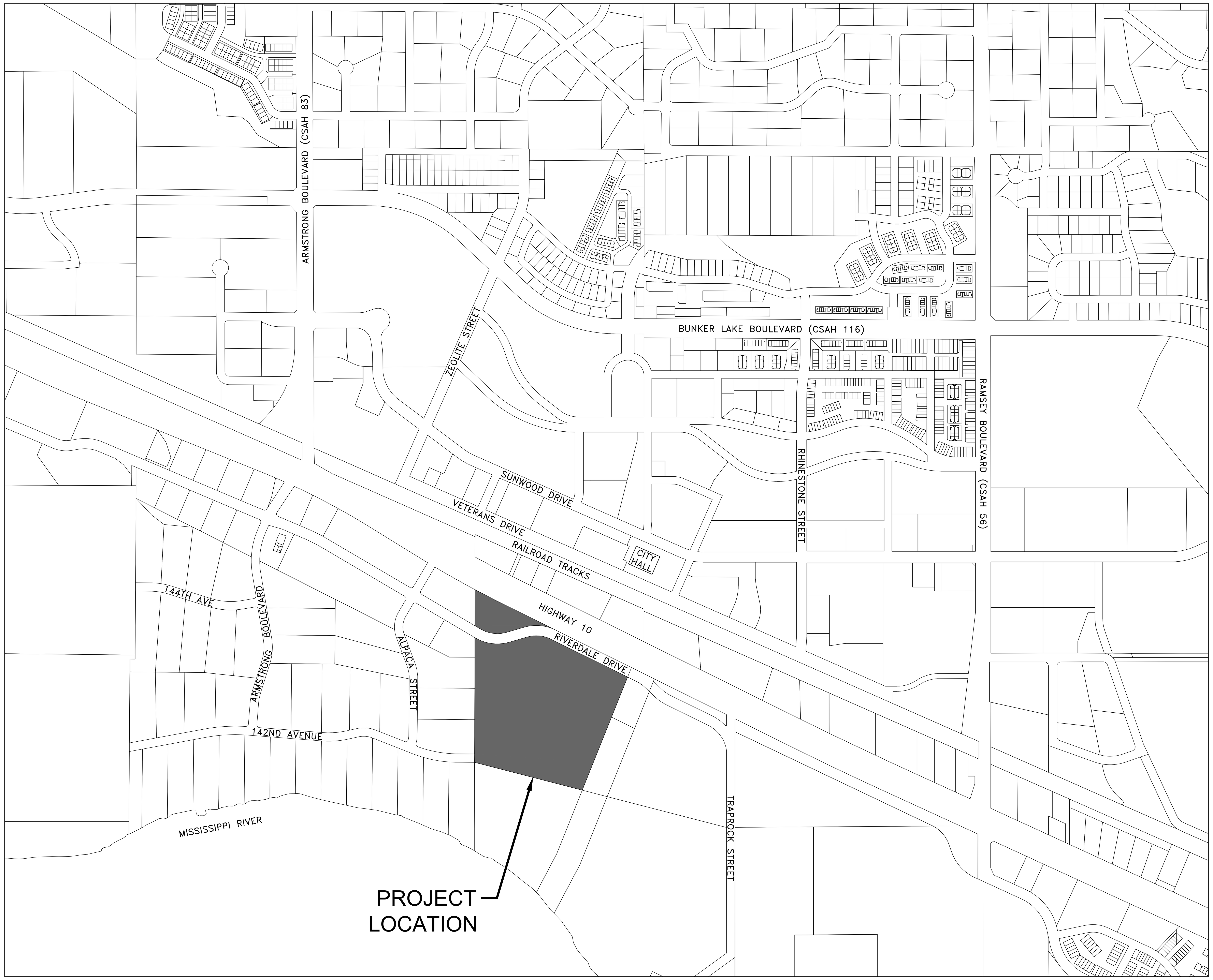
Sheet Number

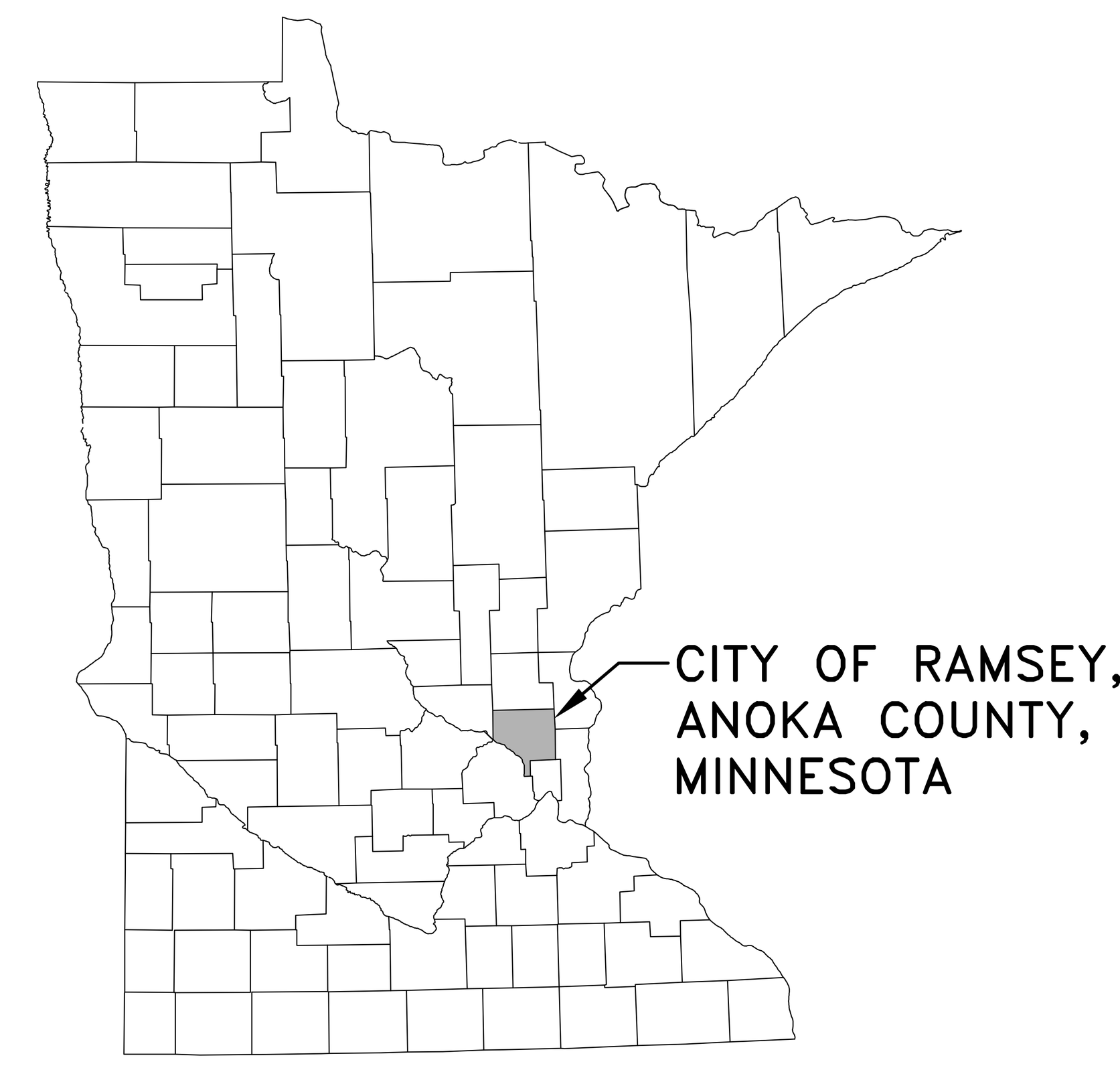
A3

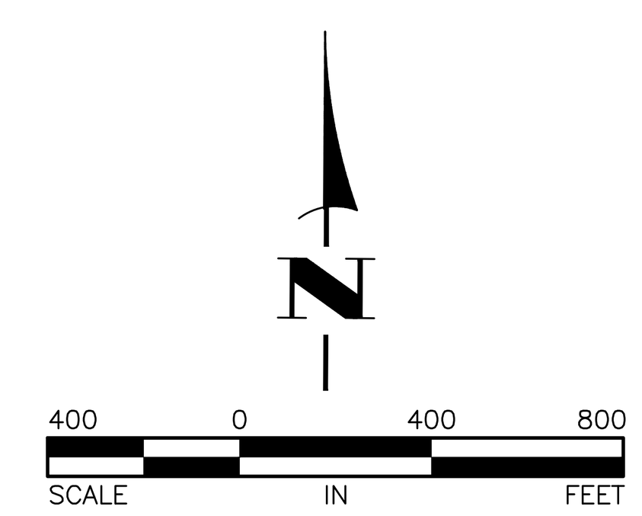
Project No. 240229-1

ANOKA RAMSEY ATHLETIC ASSOCIATION

SITE DEVELOPMENT PLANS
FOR KINGHORN CONSTRUCTION
IN THE CITY OF RAMSEY







GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN FOR STORM SEWER AND PARKING LOT WORK.

THE 2023 EDITION OF THE CITY ENGINEER'S ASSOCIATION OF MINNESOTA "STANDARD SPECIFICATIONS" SHALL GOVERN FOR SANITARY SEWER AND WATERMAIN WORK.

ALL FEDERAL, STATE AND LOCAL LAWS, REGULATIONS, AND ORDINANCES SHALL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

SHEET INDEX

THIS PLAN CONTAINS 19 SHEETS

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.

TIMOTHY A. EGGERICHS, P.E. — 43362 LIC. NO. — DATE 8/12/24
HAKANSON ANDERSON
DESIGN ENGINEER

DATE	REVISION

BENCHMARKS:

1. TOP NUT OF THE HYDRANT LOCATED ON THE NORTH SIDE OF RIVERDALE DRIVE, APPROXIMATELY 138 FEET WEST OF THE EXISTING CATCH BASIN LOCATED NEAR THE NORTHEAST PROPERTY CORNER.
   ELEVATION=873.36 (NAVD 88)
2. TOP NUT OF THE HYDRANT LOCATED ON THE NORTH SIDE OF RIVERDALE DRIVE, APPROXIMATELY XXX FEET EAST OF THE EXISTING CATCH BASIN LOCATED IN RIVERDALE DRIVE IN THE NORTH CENTRAL AREA OF THE PROPERTY.
   ELEVATION=872.66 (NAVD 88)

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

Kinghorn CONSTRUCTION

Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520

Aug 07, 2024 - 8:02pm K:\PRIVATE\3395.24\ENGINEERING\PLAN DWG\339524_TITLE.dwg

GENERAL CONSTRUCTION AND SOILS NOTES:

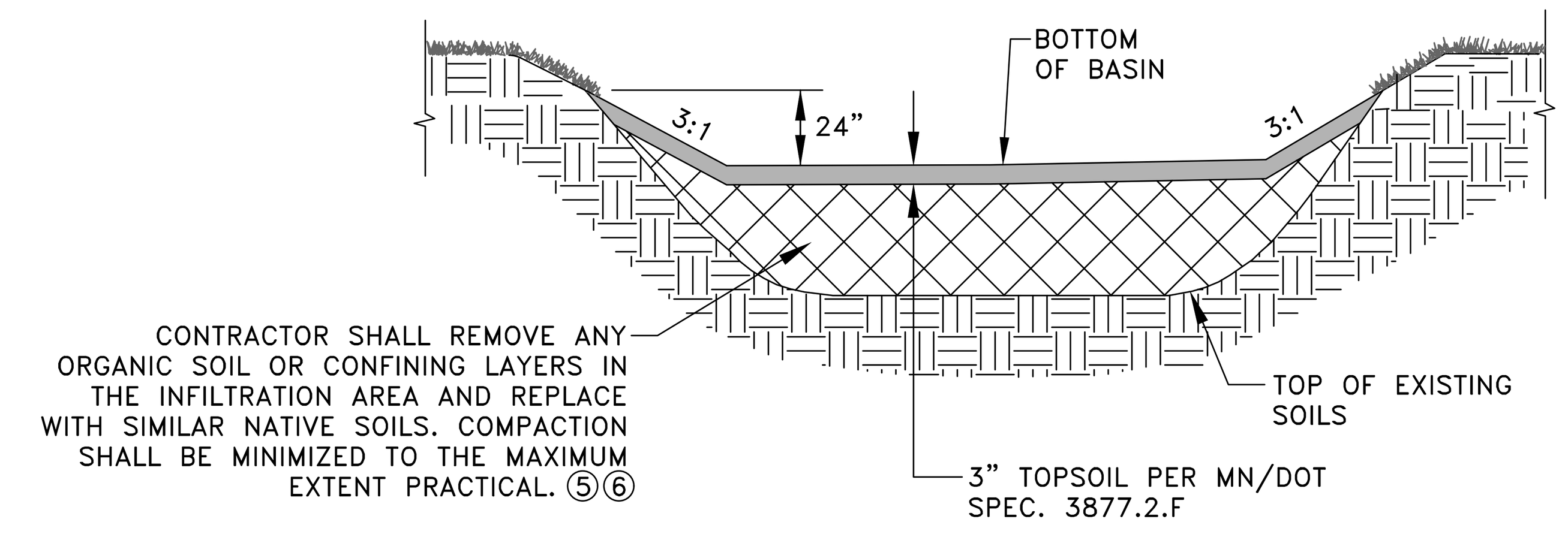
1. STRIP ALL INPLACE TOPSOIL IN AREAS TO BE DISTURBED BY CONSTRUCTION AND REUSE AS SLOPE DRESSING. IN AREAS OF PARKING LOT AND BUILDING CONSTRUCTION, THE EXPOSED SAND SHALL BE SURFACE COMPACTED TO AT LEAST 100% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY, ASTM D698, IN AT LEAST THE UPPER 3 FEET.
2. UNLESS OTHERWISE RECOMMENDED IN THESE PLANS, THE GRADING SUBGRADE SHALL BE CONSTRUCTED OF SUITABLE GRADING MATERIAL. THE FILL SHALL BE PLACED IN 8'' TO 10'' LOOSE LIFTS, AND COMPACTED TO 100% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.
3. SUITABLE GRADING MATERIAL FOR THIS PROJECT SHALL CONSIST OF ALL SOILS ENCOUNTERED WITH THE EXCEPTION OF TOPSOIL, SILT, DEBRIS, ORGANIC MATERIAL AND OTHER UNSTABLE MATERIAL.
4. CONTRACTOR SHALL REVIEW THE REPORT OF GEOTECHNICAL EXPLORATION FOR ADDITIONAL SITE PREPARATION REQUIREMENTS.
5. PROVIDE A SAW CUT WHEN PLACING NEW PAVEMENT ADJACENT TO INPLACE PAVEMENT AND AT TERMINI OF CONSTRUCTION TO ENSURE A UNIFORM JOINT.
6. BITUMINOUS AND CONCRETE ITEMS DISTURBED BY CONSTRUCTION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH MN/DOT SPEC. 2104.
7. USE TACK COAT BETWEEN ALL BITUMINOUS MIXTURES. THE BITUMINOUS TACK COAT MATERIAL SHALL BE APPLIED AT A UNIFORM RATE OF 0.04 GAL/SY TO 0.06 GAL/SY BETWEEN BITUMINOUS LAYERS. THE APPLICATION RATES ARE FOR UNDILUTED EMULSIONS.
8. THE BITUMINOUS MIXTURES SHALL MEET THE REQUIREMENTS OF SPECIFICATIONS 2360 AND 3139.

GENERAL EROSION CONTROL NOTES:

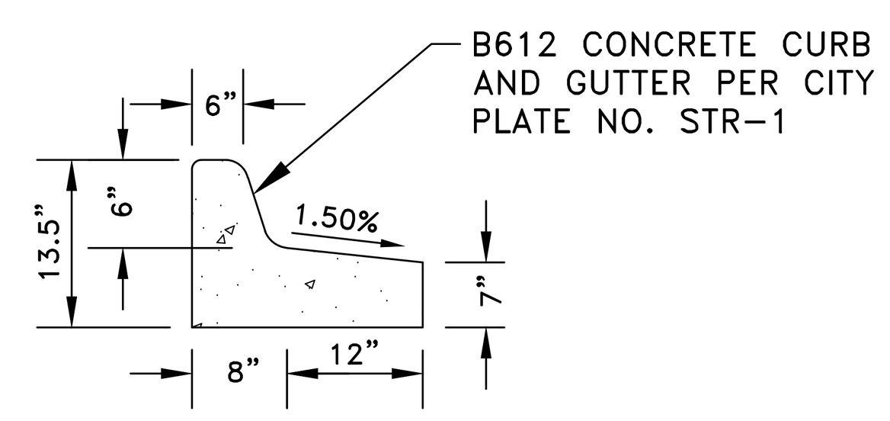
1. EROSION CONTROL SHALL CONFORM TO THE MN/DOT EROSION CONTROL HANDBOOK.
2. PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL ACQUIRE THE MPCA NPDES CONSTRUCTION STORMWATER GENERAL PERMIT. A COPY OF THE PERMIT SHALL BE SUBMITTED TO THE CITY PRIOR TO THE PRECONSTRUCTION MEETING.
3. THE CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL FACILITIES (BMP'S) PRIOR TO GRADING AND REMOVAL ACTIVITIES. BMP'S SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION ACTIVITIES AND POTENTIAL FOR EROSION HAS PASSED.
4. THE CONTRACTOR SHALL SCHEDULE HIS OPERATION TO MINIMIZE THE AMOUNT OF DISTURBED AREA AT ANY GIVEN TIME.
5. BMP'S SHALL BE INSPECTED DAILY BY THE CONTRACTOR. OBSERVATIONS SHALL BE RECORDED IN AN INSPECTION LOG. WEEKLY INSPECTION LOGS AND INSPECTION LOGS AFTER EVERY 1/2" RAIN EVENT SHALL BE SUBMITTED TO THE CITY INSPECTOR.
6. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROPERLY DISPOSED OF WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION.
7. THE CONTRACTOR SHALL FILE A NOTICE OF TERMINATION WITH THE MPCA AFTER FINAL STABILIZATION HAS BEEN APPROVED. THE CITY SHALL REVIEW AND APPROVE THE NOTICE OF TERMINATION PRIOR TO SUBMITTAL TO THE MPCA.

REFERENCE NOTES:

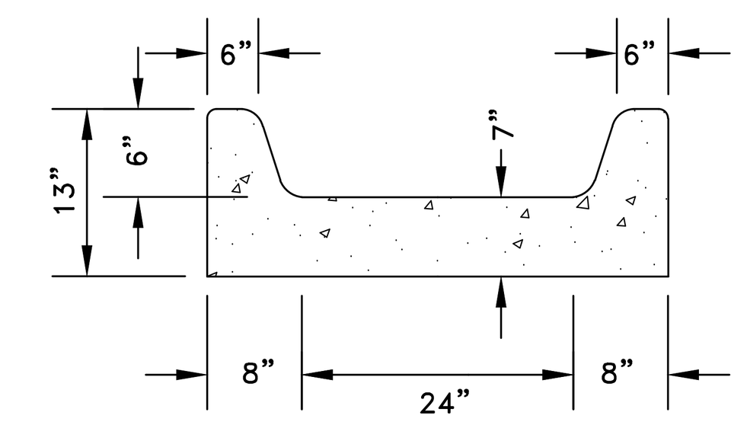
① SEE CITY PLATE NO. STR-26 FOR MODIFIED CLASS 5 AGGREGATE BASE SPECIFICATIONS.
② CONTRACTOR SHALL PROTECT THE INFILTRATION BASIN WITH 48" HIGH ORANGE SAFETY FENCE PRIOR TO THE START OF CONSTRUCTION.
③ CONSTRUCTION EQUIPMENT SHALL BE MINIMIZED OVER THE FOOTPRINT OF THE BASIN. ONLY LOW PRESSURE, WIDE TRACKED EQUIPMENT SHALL BE USED FOR CONSTRUCTION.
④ INFILTRATION BASIN SHALL NOT BE GRADED TO WITHIN THREE FEET OF THE FINAL GRADE UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN CONSTRUCTED AND FULLY STABILIZED OR RIGOROUS EROSION PREVENTION AND SEDIMENT CONTROLS TO KEEP SEDIMENT AND RUNOFF COMPLETELY AWAY FROM THE INFILTRATION BASIN HAS BEEN PROVIDED.
⑤ THE INFILTRATION RATE FOR THE SOILS IN THE BOTTOM OF THE INFILTRATION BASIN SHALL BE BETWEEN 0.60 AND 8.3 INCHES PER HOUR. THE CONTRACTOR MAY HAVE TO AMEND THE SOILS TO MEET THIS REQUIREMENT.
⑥ COMPACTED SOIL WITHIN THE INFILTRATION BASIN SHALL BE SCARIFIED TO A DEPTH OF 12" PRIOR TO RESTORATION.
⑦ BITUMINOUS AND CONCRETE SECTIONS SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER.



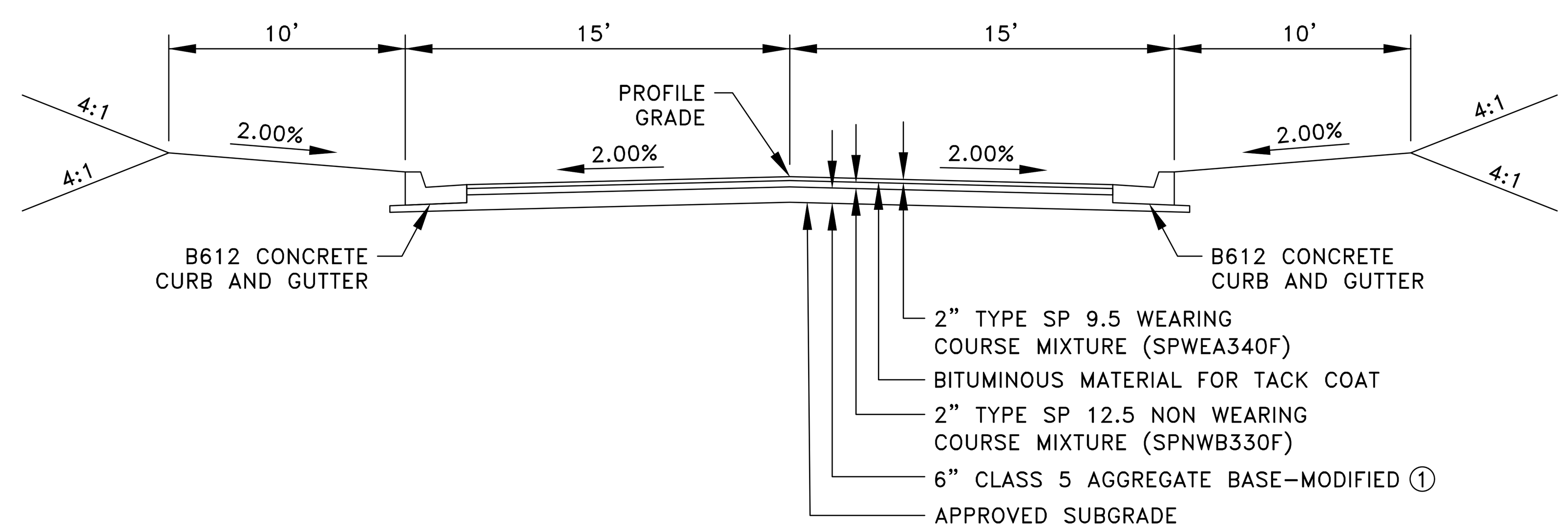
4 / C2 INFILTRATION BASIN ②③④
NO SCALE



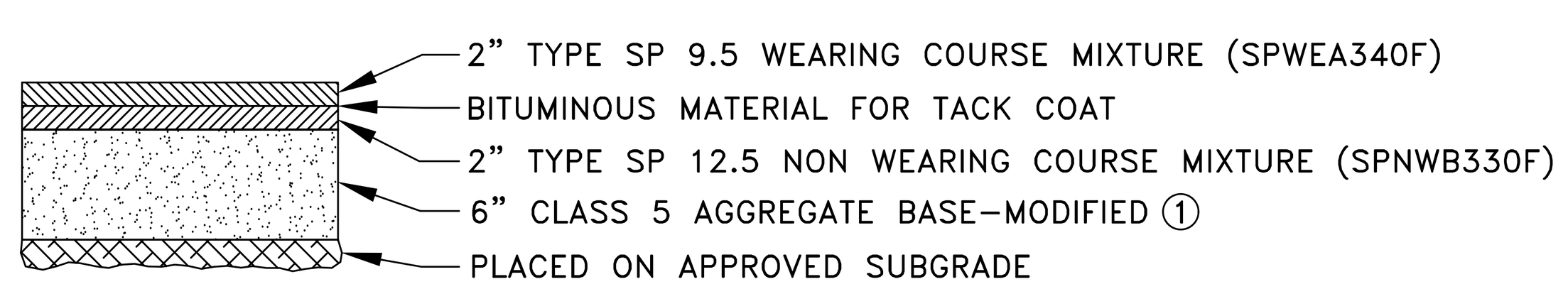
5 / C2 TIPOUT CURB DETAIL
NO SCALE



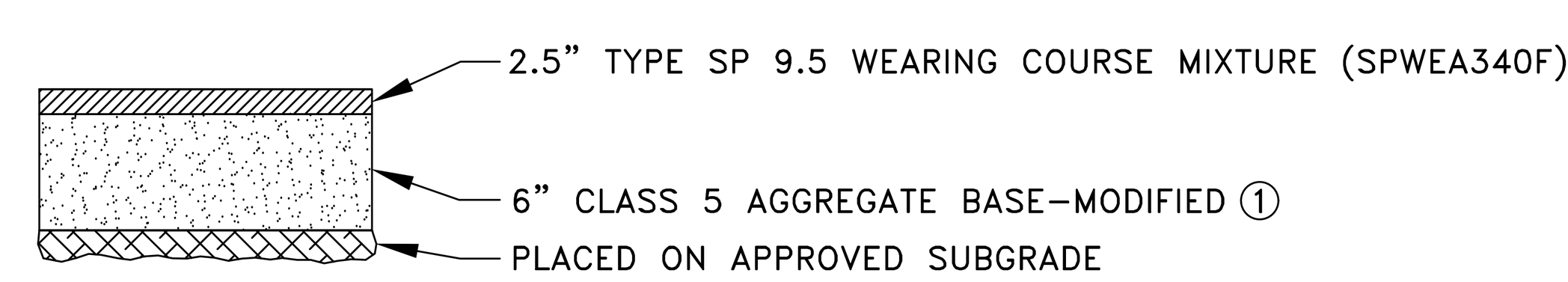
6 / C2 SPECIAL CURB SECTION
NO SCALE



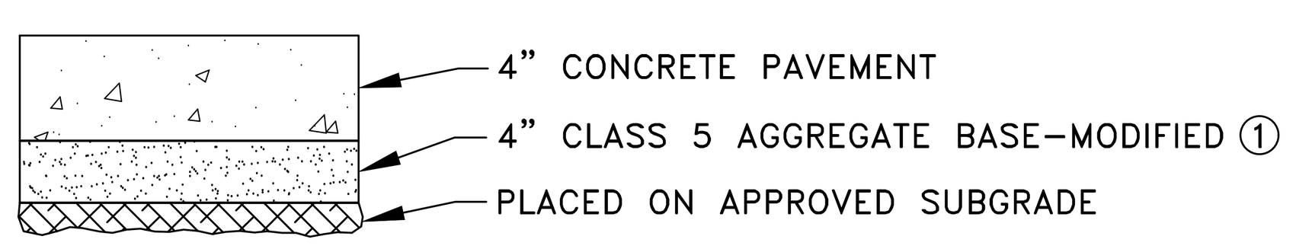
7 / C2 ENTRANCE ROAD SECTION
NO SCALE



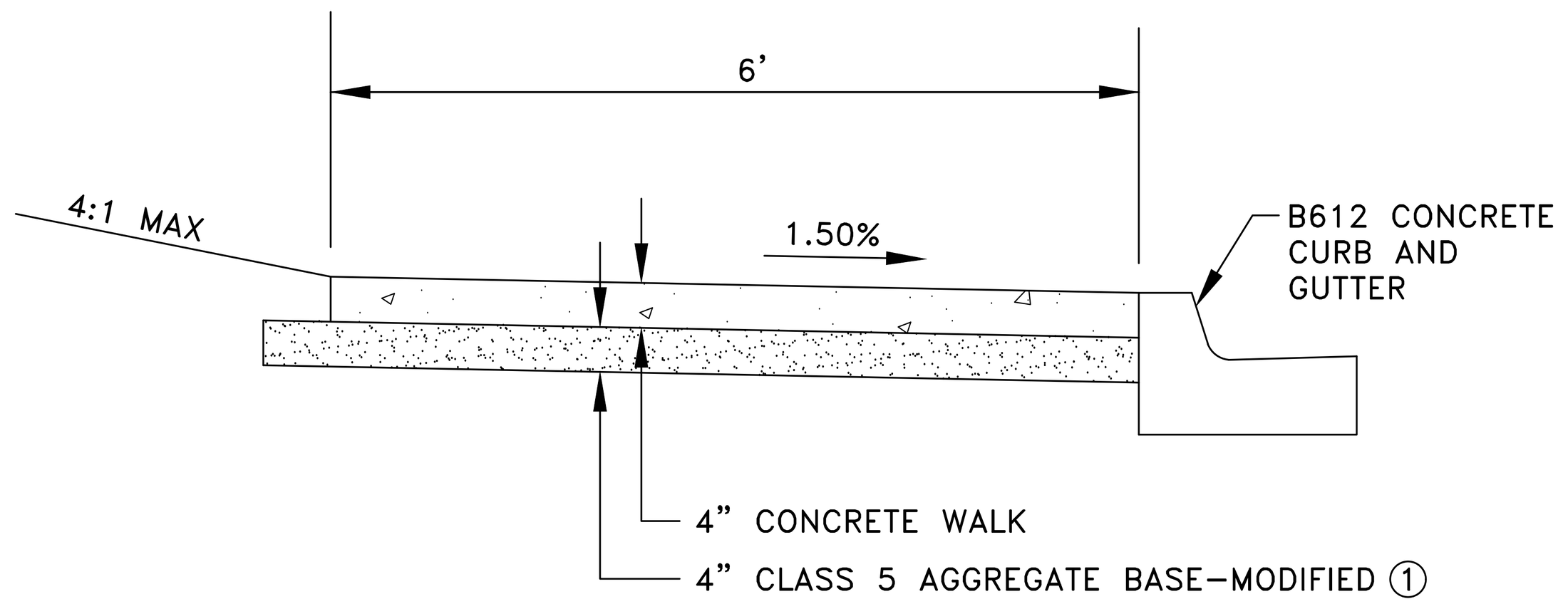
1 / C2 BITUMINOUS PAVEMENT SECTION ⑦
NO SCALE



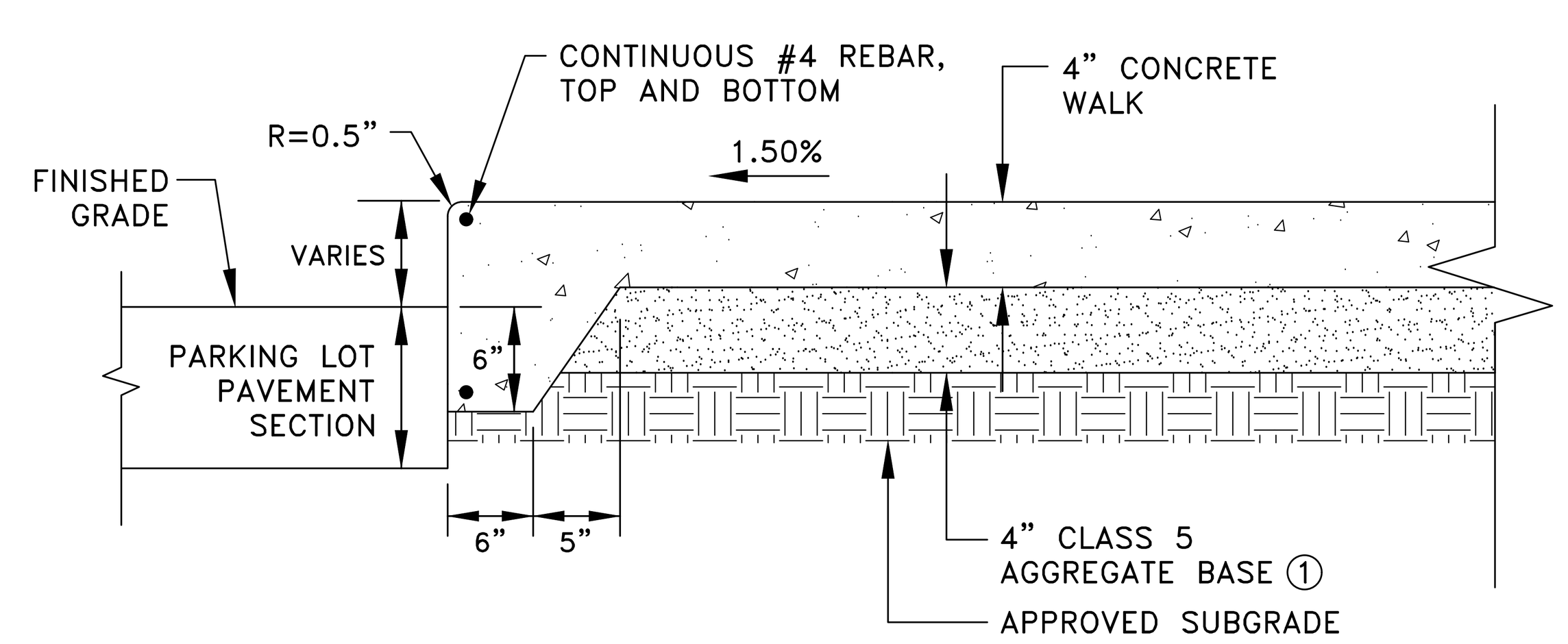
8 / C2 BITUMINOUS TRAIL PAVEMENT SECTION
NO SCALE



2 / C2 CONCRETE WALK/PAVEMENT SECTION ⑦
NO SCALE



3 / C2 CONCRETE SIDEWALK ⑦
NO SCALE



9 / C2 THICKENED EDGE SIDEWALK
NO SCALE

SIGNIFICANT TREE INVENTORY TABULATION			
TREE NUMBER	COMMON NAME	DIAMETER (INCHES)	ACTION
1	AMERICAN ELM	25	PROTECT
2	RED PINE	15	PROTECT
3	RED PINE	15	PROTECT
4	RED PINE	16	PROTECT
5	RED PINE	12	PROTECT
6	RED PINE	16	PROTECT
7	RED PINE	18	PROTECT
8	RED PINE	15	PROTECT
9	RED PINE	18	PROTECT
10	RED PINE	18	PROTECT
11	RED PINE	10	PROTECT
12	RED PINE	12	PROTECT
13	RED PINE	12	PROTECT
14	RED PINE	13	PROTECT
15	RED PINE	15	PROTECT
16	RED PINE	18	PROTECT
17	RED PINE	16	PROTECT
18	RED PINE	13	PROTECT
19	RED PINE	12	PROTECT
20	RED PINE	12	PROTECT
21	RED PINE	14	PROTECT
22	RED PINE	16	PROTECT
23	RED PINE	13	PROTECT
24	RED PINE	12	PROTECT
25	RED PINE	15	PROTECT
26	COMMON HACKBERRY	11	PROTECT
27	COMMON HACKBERRY	10	PROTECT
28	COMMON HACKBERRY	10	PROTECT
29	RED PINE	15	PROTECT
30	RED PINE	16	PROTECT
31	RED PINE	15	PROTECT
32	RED PINE	15	PROTECT
33	RED PINE	8	PROTECT
34	RED PINE	13	PROTECT
35	RED PINE	13	PROTECT
36	RED PINE	13	CLEAR AND GRUB - POND
37	RED PINE	15	CLEAR AND GRUB - POND
38	RED PINE	12	CLEAR AND GRUB - POND
39	SIBERIAN ELM	8	PROTECT
40	SIBERIAN ELM	8	PROTECT
41	SIBERIAN ELM	7	PROTECT
42	RED PINE	16	CLEAR AND GRUB - POND
43	DEAD		CLEAR AND GRUB - POND
44	RED PINE	13	CLEAR AND GRUB - POND
45	RED PINE	10	CLEAR AND GRUB - POND
46	RED PINE	15	CLEAR AND GRUB - POND
47	RED PINE	18	CLEAR AND GRUB - POND
48	RED PINE	12	CLEAR AND GRUB - POND
49	RED PINE	13	CLEAR AND GRUB - POND
50	RED PINE	13	CLEAR AND GRUB - POND
51	RED PINE	12	CLEAR AND GRUB - POND
52	RED PINE	12	CLEAR AND GRUB - POND
53	RED PINE	9	CLEAR AND GRUB - POND
54	RED PINE	12	CLEAR AND GRUB - POND
55	RED PINE	12	CLEAR AND GRUB - POND
56	RED PINE	8	CLEAR AND GRUB - POND
57	RED PINE	16	CLEAR AND GRUB - POND
58	RED PINE	18	CLEAR AND GRUB - POND
59	RED PINE	15	CLEAR AND GRUB - POND
60	RED PINE	13	CLEAR AND GRUB - POND
61	RED PINE	13	CLEAR AND GRUB - POND
62	RED PINE	13	CLEAR AND GRUB - POND
63	RED PINE	17	CLEAR AND GRUB - POND
64	RED PINE	16	CLEAR AND GRUB - POND

SIGNIFICANT TREE INVENTORY TABULATION			
TREE NUMBER	COMMON NAME	DIAMETER (INCHES)	ACTION
65	COMMON HACKBERRY	18	CLEAR AND GRUB - BUILDING
66	BOXELDER	24	CLEAR AND GRUB - BUILDING
67	BOXELDER	12	CLEAR AND GRUB - BUILDING
68	BOXELDER	12	CLEAR AND GRUB - BUILDING
69	BOXELDER	12	CLEAR AND GRUB - BUILDING
70	BOXELDER	14	CLEAR AND GRUB - BUILDING
71	BOXELDER	10	CLEAR AND GRUB - PARKING
72	BOXELDER	15	CLEAR AND GRUB - PARKING
73	BOXELDER	8	CLEAR AND GRUB - PARKING
74	BOXELDER	12	CLEAR AND GRUB - PARKING
75	BOXELDER	10	CLEAR AND GRUB - PARKING
76	BOXELDER	13	CLEAR AND GRUB - PARKING
77	BOXELDER	8	CLEAR AND GRUB - PARKING
78	BOXELDER	12	CLEAR AND GRUB - PARKING
79	BOXELDER	10	CLEAR AND GRUB - PARKING
80	BOXELDER	10	CLEAR AND GRUB - PARKING
81	AMERICAN ELM	14	CLEAR AND GRUB - PARKING
82	COMMON HACKBERRY	12	CLEAR AND GRUB - PARKING
83	BUR OAK	7	CLEAR AND GRUB - PARKING
84	BUR OAK	4	CLEAR AND GRUB - PARKING
85	AMERICAN ELM	10	CLEAR AND GRUB - PARKING
86	BUR OAK	5	CLEAR AND GRUB - PARKING
87	COMMON HACKBERRY	12	CLEAR AND GRUB - PARKING
88	BOXELDER	8	PROTECT
89	BUR OAK	22	PROTECT
90	BUR OAK	28	PROTECT
91	BUR OAK	32	PROTECT
92	BUR OAK	5	PROTECT
93	BUR OAK	30	PROTECT
94	COMMON HACKBERRY	14	PROTECT
95	COMMON HACKBERRY	12	PROTECT
96	BUR OAK	5	PROTECT
97	BUR OAK	5	PROTECT
98	BOXELDER	12	PROTECT
99	BUR OAK	6	CLEAR AND GRUB - PARKING
100	BUR OAK	12	CLEAR AND GRUB - POND
101	BUR OAK	12	PROTECT
102	BOXELDER	14	PROTECT
103	BOXELDER	12	CLEAR AND GRUB - PARKING
104	BUR OAK	6	PROTECT
105	BUR OAK	5	PROTECT
106	BUR OAK	5	PROTECT
107	BUR OAK	4	PROTECT
108	BUR OAK	4	PROTECT
109	BUR OAK	4	PROTECT
110	BUR OAK	4	PROTECT
111	BUR OAK	5	PROTECT
112	BUR OAK	5	PROTECT
113	BUR OAK	6	PROTECT
114	COMMON HACKBERRY	14	PROTECT
115	BUR OAK	7	PROTECT
116	BUR OAK	9	PROTECT
117	BUR OAK	8	PROTECT
118	BUR OAK	12	PROTECT
119	COMMON HACKBERRY	10	PROTECT
120	BUR OAK	10	PROTECT
121	BUR OAK	7	PROTECT
122	BUR OAK	5	PROTECT
123	BUR OAK	6	PROTECT
124	BUR OAK	8	CLEAR AND GRUB - PARKING
125	BUR OAK	5	CLEAR AND GRUB - PARKING
126	BUR OAK	6	CLEAR AND GRUB - PARKING
127	BUR OAK	5	CLEAR AND GRUB - PARKING

TOTAL SIGNIFICANT TREE INCHES	**1509**
TOTAL SIGNIFICANT TREE INCHES REMOVED	**654**
TREE INCHES REMOVED FOR PONDING	**348**

Kinghorn CONSTRUCTION

DATE	REVISION	DATE	REVISION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
TIMOTHY A. EHRENRICHS, P.E.
Date 8/12/24 Lic. No. 43362

DESIGNED BY: TAE
DRAWN BY: TAE
CHECKED BY: CJJ

Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520
www.hakanson-anderson.com

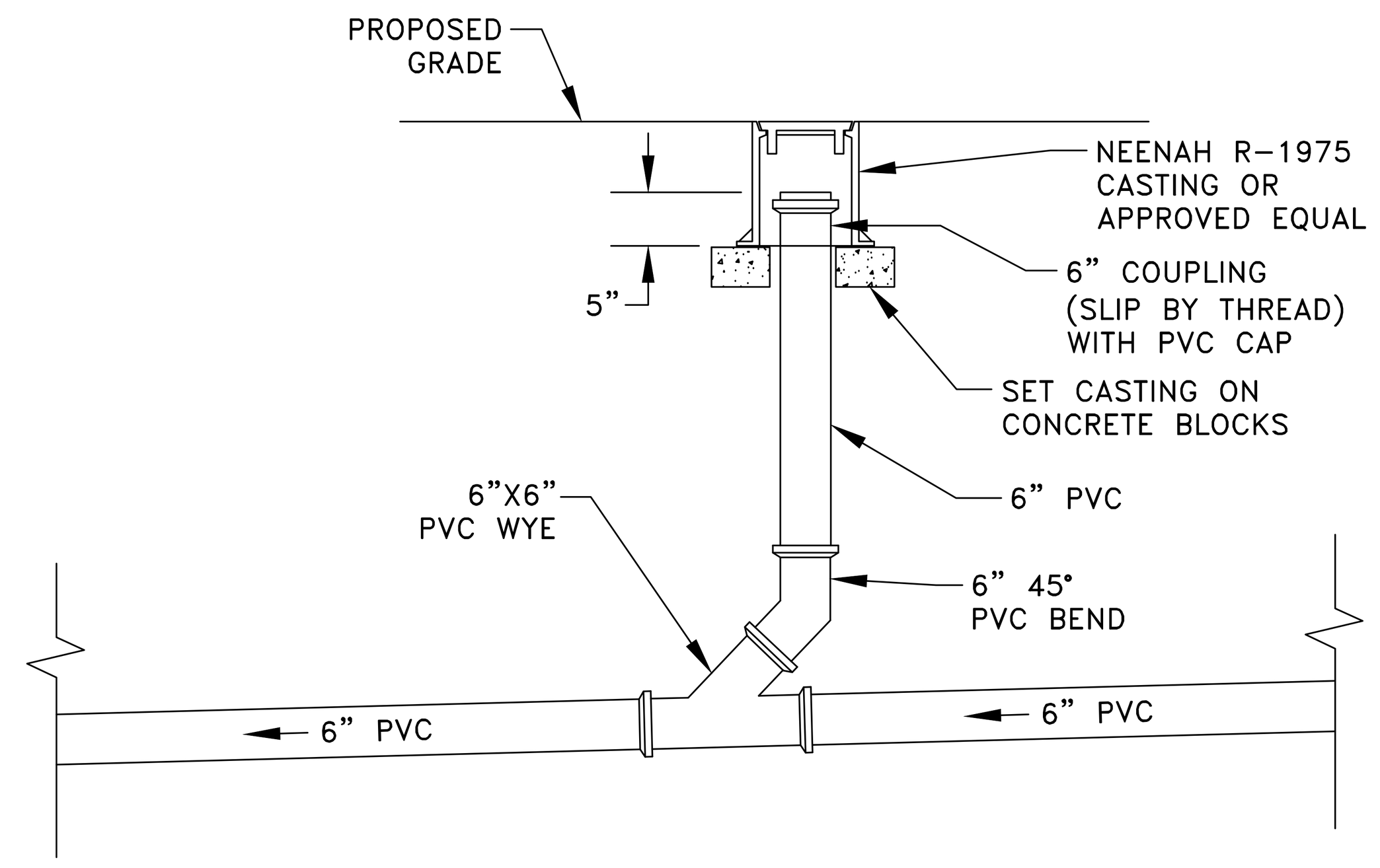
ANOKA RAMSEY ATHLETIC ASSOCIATION

CONSTRUCTION NOTES AND DETAILS

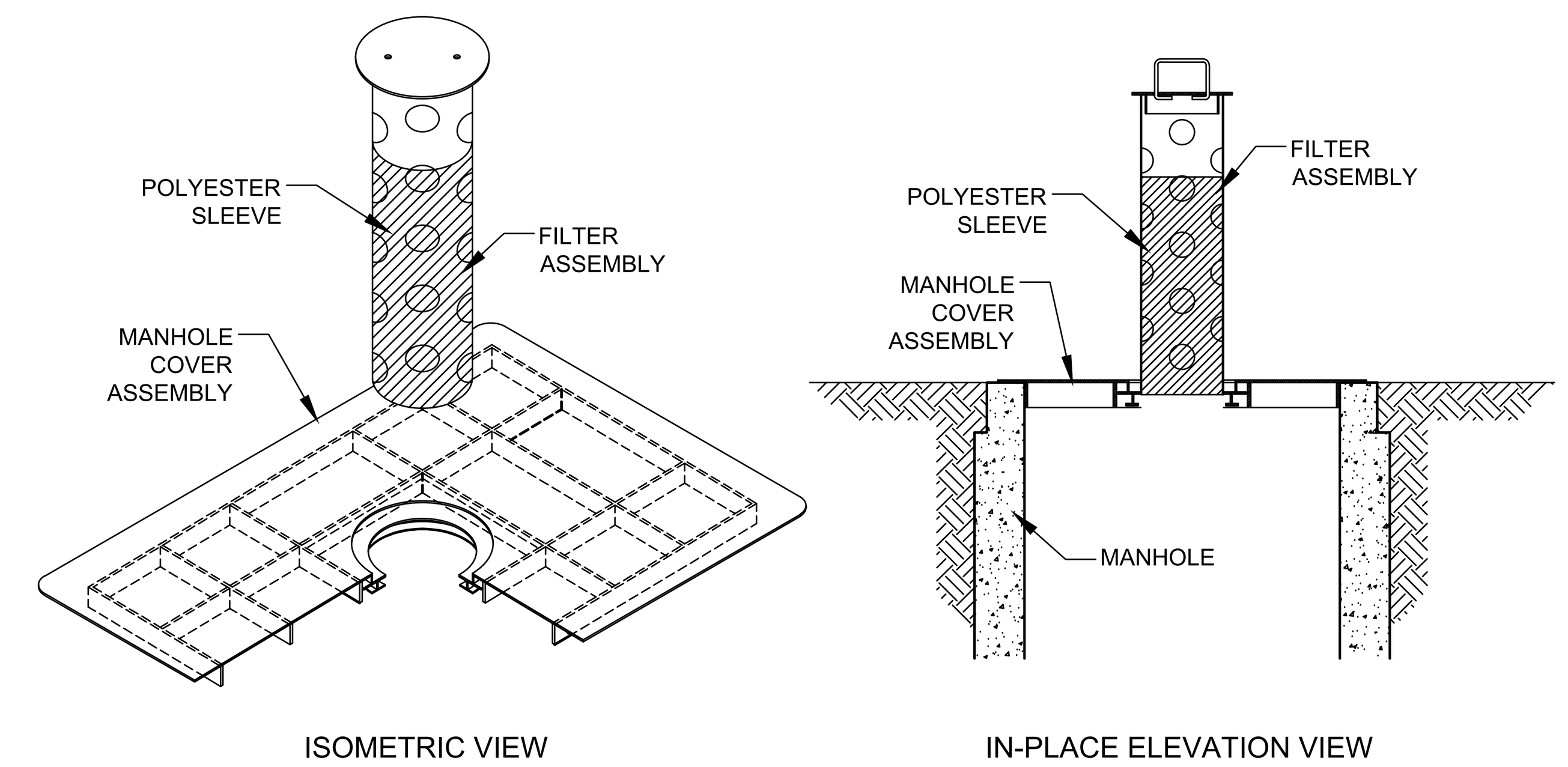
CITY OF RAMSEY, MINNESOTA

SHEET C2 OF C15 SHEETS

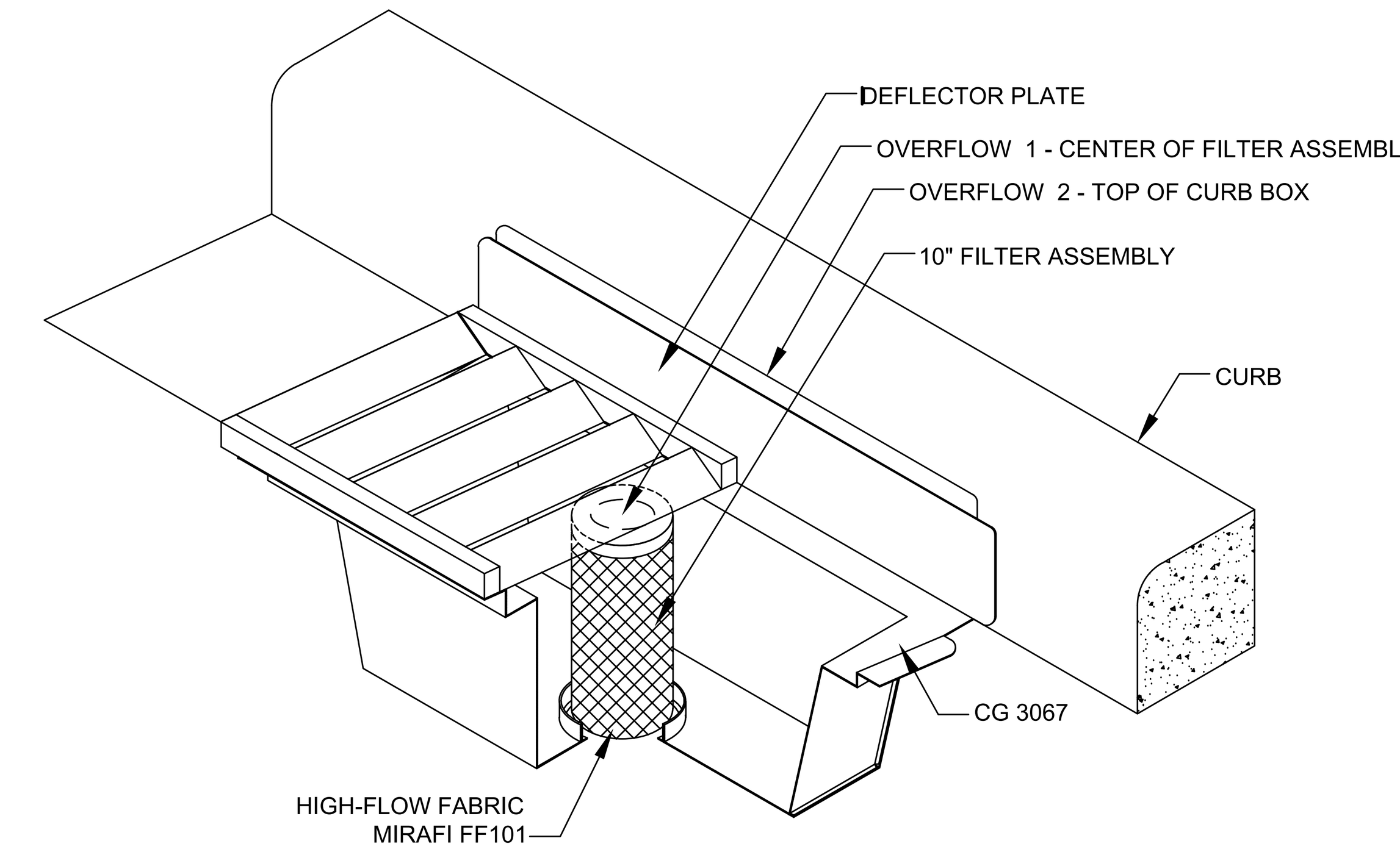
3395.24



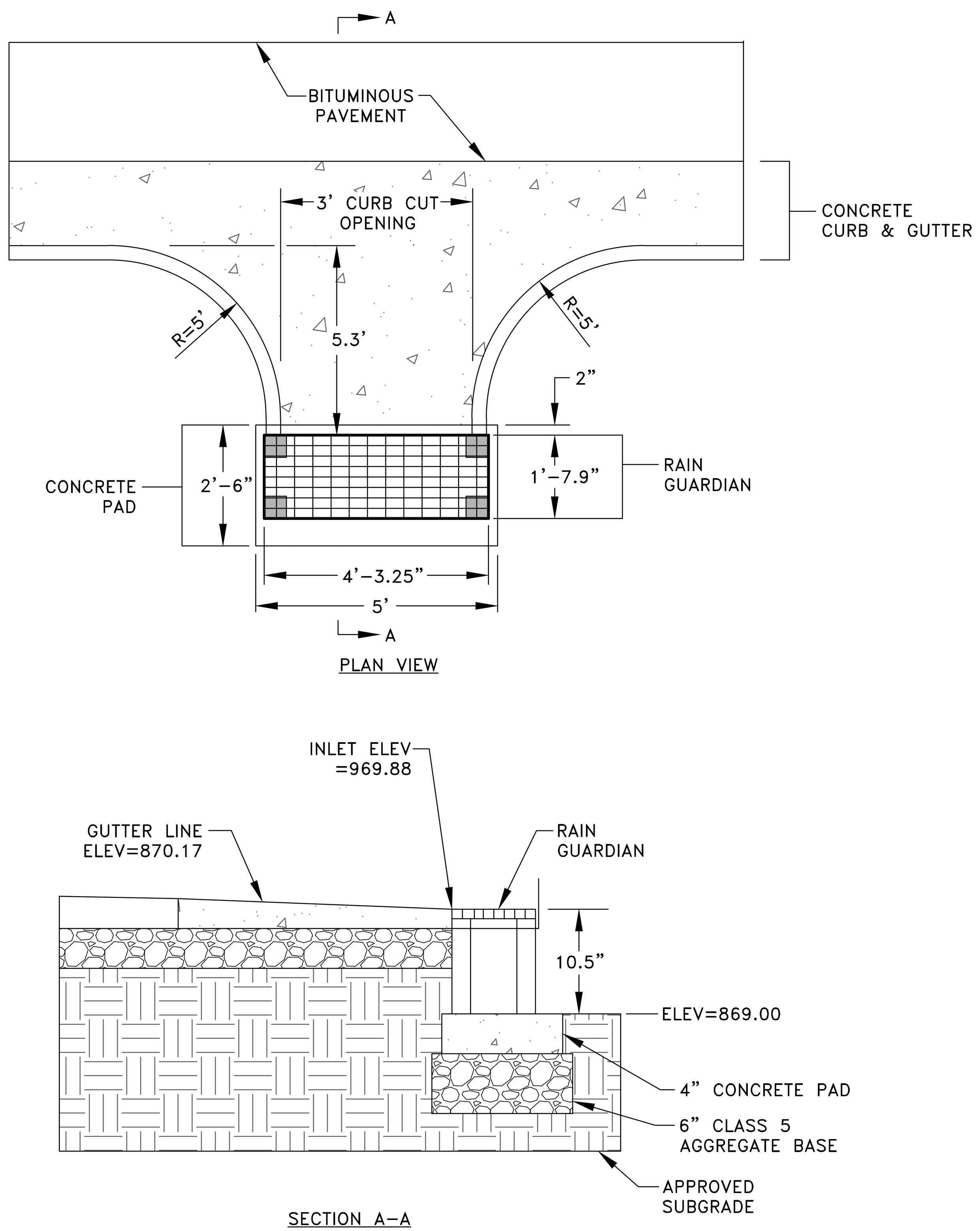
1 / C3 SANITARY SEWER CLEANOUT
NO SCALE



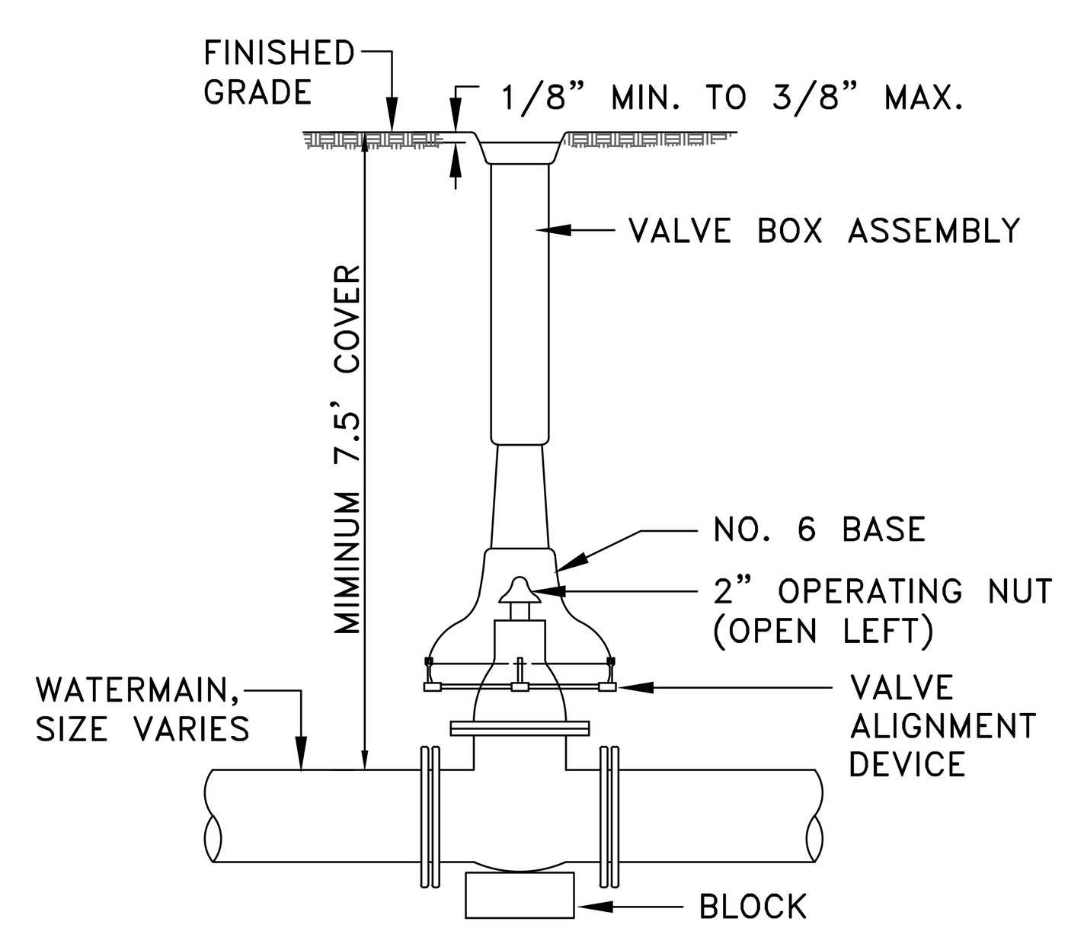
2 / C3 STORM DRAIN INLET PROTECTION ①



3 / C3 STORM DRAIN INLET PROTECTION ①

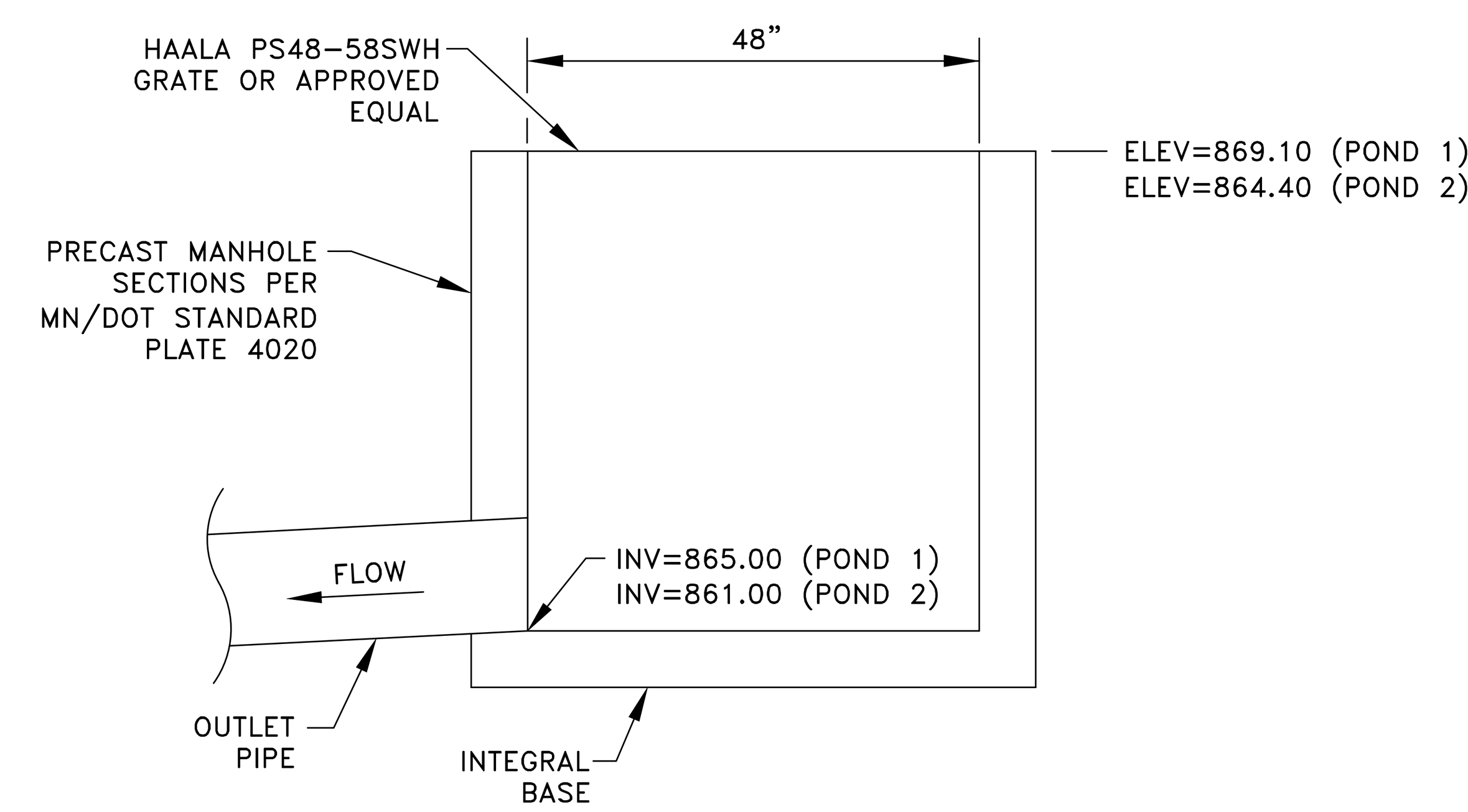


4 / C3 RAIN GUARDIAN-BUNKER DETAILS ②

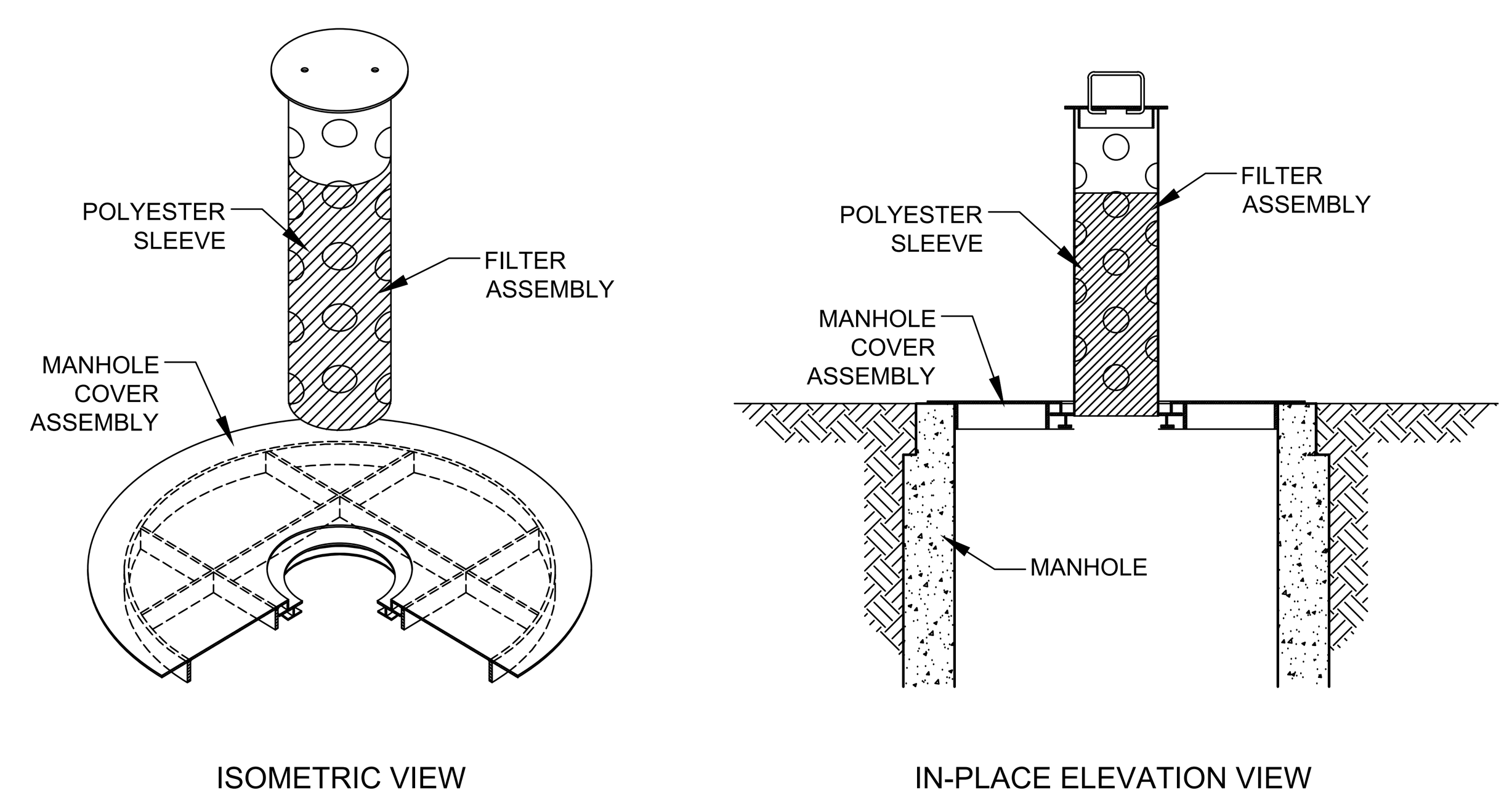


TYPICAL RESILIENT WEDGE VALVE AND BOX INSTALLATION 10" DIA. AND SMALLER WATERMAIN ③

5 / C3
NO SCALE



6 / C3 POND OUTLET STRUCTURE DETAIL
NO SCALE



7 / C3 STORM DRAIN INLET PROTECTION ①

REFERENCE NOTES:

① INLET PROTECTION SHALL BE INSTALLED ON ALL CASTINGS RECEIVING RUNOFF FROM THE PROJECT AREA. INLET PROTECTION SHALL BE INSTALLED ON EXISTING, OFF SITE CASTINGS PRIOR TO THE START OF CONSTRUCTION. WIMCO MODELS CG 3067, RD 27 AND RD 23 ARE SHOWN.

② SEE THE WEBSITE www.rainguardian.biz FOR ADDITIONAL CONSTRUCTION NOTES AND DETAILS FOR THE RAIN GUARDIAN-BUNKER DESIGN.

③ CONTRACTOR SHALL USE A VALVE STEM ALIGNMENT TUBE TOOL TO MAINTAIN VERTICAL ALIGNMENT WHEN BACKFILLING THE VALVE BONNET AND VALVE BOX ASSEMBLY. THE ALIGNMENT TUBE SHALL CONSIST OF METAL PIPE WITH A SQUARE NUT RECEIVER SECURELY FASTENED TO THE END FOR PLACEMENT ON THE VALVE OPERATING NUT.

Kinghorn CONSTRUCTION

DATE	REVISION	DATE	REVISION

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

TIMOTHY A. EDGERTON, P.E.
Date 8/12/24 Lic. No. 43362

DESIGNED BY: TAE
DRAWN BY: TAE
CHECKED BY: CJJ

Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520
www.hakanson-anderson.com

ANOKA RAMSEY ATHLETIC ASSOCIATION

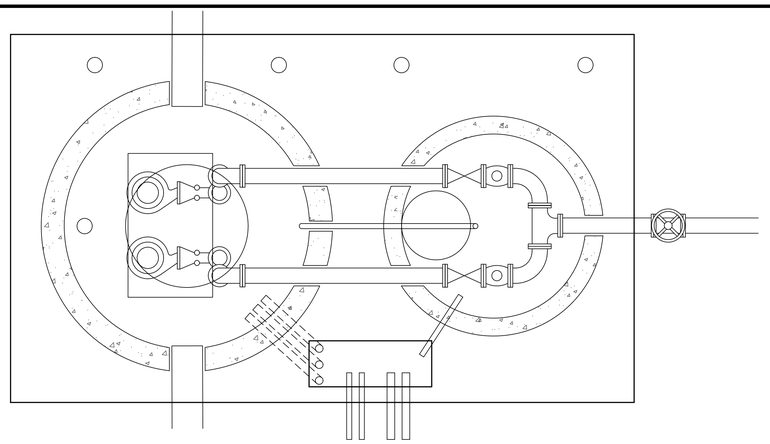
DETAILS

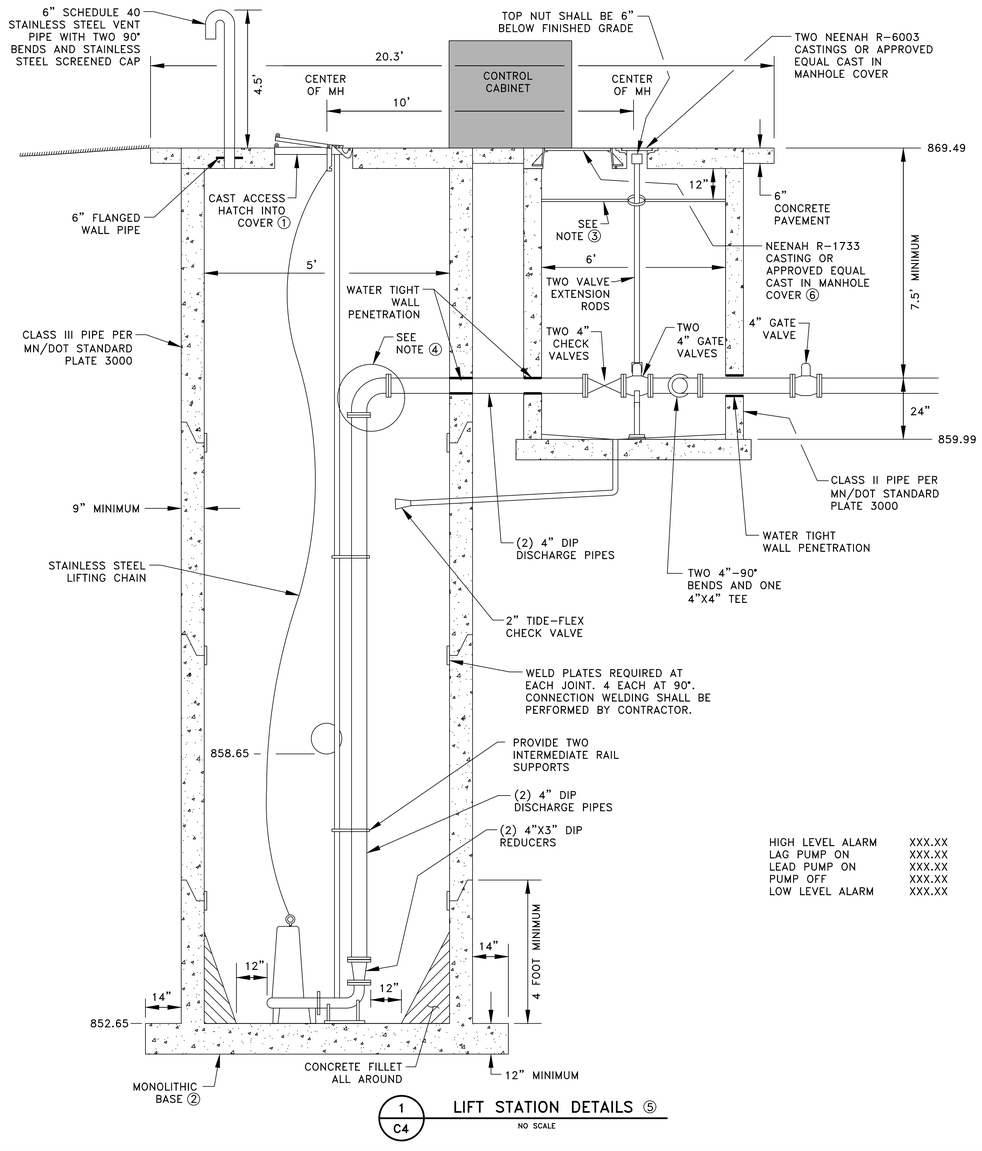
CITY OF RAMSEY, MINNESOTA

SHEET C3 OF C15 SHEETS

3395.24

Aug 07, 2024 - 8:18am
K:\PRIVATE\3395.24\ENGINEERING\PLAN DWG\339524_DETAILS.dwg





HIGH LEVEL ALARM	XXX.XX
LAG PUMP ON	XXX.XX
LEAD PUMP ON	XXX.XX
PUMP OFF	XXX.XX
LOW LEVEL ALARM	XXX.XX

1 / C4 LIFT STATION DETAILS ⑤

NO SCALE

GENERAL NOTES

1. CONTRACTOR TO VERIFY PUMP GUIDE RAIL SPACING WITH PUMP SUPPLIER.
2. LOCATION AND MOUNTING ARRANGEMENT OF PUMP BASES SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
3. ALL MANHOLES SHALL HAVE GASKETED JOINTS PER MN/DOT STANDARD PLATE 3006.
4. ALL BENDS SHALL BE LONG RADIUS.

REFERENCE NOTES:

① ACCESS HATCH SHALL BE APPROVED BY THE CITY PRIOR TO FABRICATING THE MANHOLE COVER.

② BASE MANUFACTURER SHALL PROVIDE REBAR DESIGN AND SUBMIT FOR ENGINEER APPROVAL. DESIGN SHALL ASSUME A GROUNDWATER DEPTH TO THE TOP OF THE LIFT STATION.

③ CONTRACTOR SHALL BRACE THE VALVE EXTENSION ROD TO THE SIDES OF THE MANHOLE. BRACE SHALL BE CONSTRUCTED OF 1/2" BY 2" WIDE STEEL PLATE.

④ CONTRACTOR SHALL PROVIDE REQUIRED FITTINGS IN VERTICAL RUN TO ALIGN THE PIPING IN LIFT STATION WITH THE PIPING IN THE VALVE MANHOLE.

⑤ LIFT STATION DESIGN WILL BE FINALIZED ONCE THE FUTURE LAND USES ARE DETERMINED.

⑥ CASTING DETAILS ARE SHOWN ON CITY PLATE NO. SEW-2.

Kinghorn CONSTRUCTION

DATE	REVISION	DATE	REVISION

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

TIMOTHY A. EDERGHS, P.E.

Date 8/12/24 Lic. No. 43362

DESIGNED BY: TAE
DRAWN BY: TAE
CHECKED BY: CJJ

Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520
www.hakanson-anderson.com

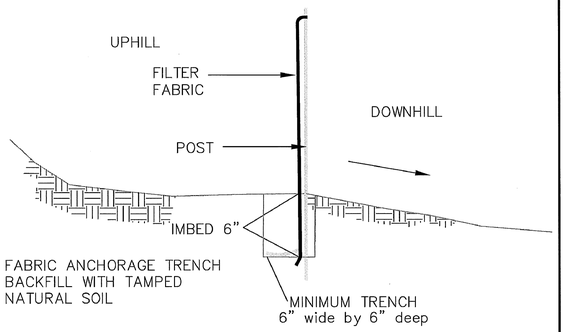
ANOKA RAMSEY ATHLETIC ASSOCIATION

DETAILS

CITY OF RAMSEY, MINNESOTA

SHEET C4 OF C15 SHEETS

3395.24



INSTALL AS PER FILTER FABRIC MANUFACTURER'S RECOMMENDATIONS

SILT FENCE DETAIL

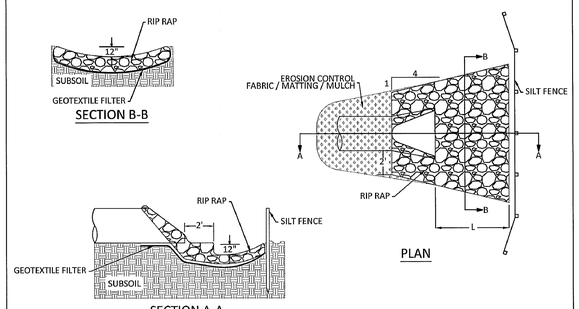
NO SCALE

APPROVED: 1 – 2016

City of RAMSEY

STANDARD DETAILS: SILT FENCE

CITY PLATE No. ERO–1



NOTE: NOT TO SCALE

NOTES:

1. ON SLOPES 4:1 OR GREATER, ANCHOR OR STRAIGHT DISKED STRAW MULCH, SEEDED NETTING, GABRIC, OR MATTING SUCH AS EXCELSIOR SHALL BE USED TO STABILIZE DISTURBED SOILS. THESE EXPOSED SOILS MUST BE STABILIZED IMMEDIATELY AFTER GRADING OF SOIL IS COMPLETE.
2. A SKIRTING OF EROSION CONTROL FABRIC OR MULCH MUST BE USED TO PROTECT OUTLETS AS ILLUSTRATED REGARDLESS OF SLOPE.
3. RIP RAP IS CLASS III PLACED 18" THICK.
4. FOR PIPE GREATER THAN 48" DIAMETER OR 58" SPAN, QUANTITY OF GEOTEXTILE FABRIC AND RIP RAP WILL BE HANDLED IN A CASE BY CASE MANNER.
5. GEOTEXTILE FABRIC SHALL COVER THE BOTTOM AND SIDES OF THE AREA EXCAVATED FOR THE RIP RAP MATERIAL.

RIP RAP AT RCP OUTLETS			
DIA. OF PIPE (IN.)	L (FT.)	GEOTEXTILE FABRIC (SY)	18" DEPTH RIP RAP (CU. YD)
12	8	19.6	4.4
15	8	20.8	4.8
18	10	25.6	6.4
21	10	27.4	7.1
24	12	33.4	9.2
27	12	35.2	9.9
30	14	41.6	12.3
36	16	50.5	15.8
42	18	57.8	18.7
48	20	66.5	22.2

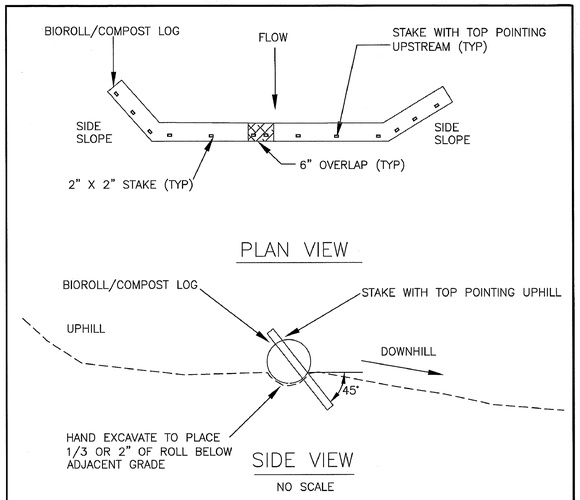
RIP RAP AT RCP-A OUTLETS			
SPAN OF PIPE (IN.)	L (FT.)	GEOTEXTILE FABRIC (SY)	18" DEPTH RIP RAP (CU. YD)
22	10	25.6	6.1
28	12	33.2	8.5
36	14	41.5	11.2
43	16	50.5	14.3
51	18	57.5	16.9
58	20	65.2	19.8

APPROVED: 9 – 2016

City of RAMSEY

STANDARD DETAILS: RIP–RAP

CITY PLATE No. ERO–3



NO SCALE

NOTE:

STAKE INTO GROUND WITH WOOD STAKES DRIVING STAKE 6" INTO GROUND AND PROTRUDING 2" ABOVE LOG

WOOD STAKES ARE A MINIMUM 0.5" X 2" X 16" AND PLACED EVERY 1' UNLESS PRECLUDED BY A ROCK

WHEN MORE THAN 1 BIOROLL/COMPOST LOG IS NEEDED, OVERLAP ENDS A MINIMUM OF 6" AND STAKE

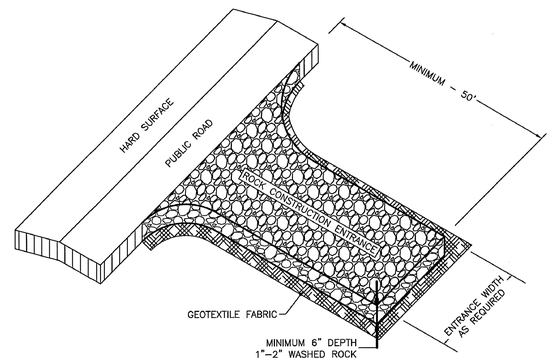
WOOD STAKES ARE DRIVEN THROUGH BACK HALF OF BIOROLL OR COMPOST LOG AT 45° ANGLE WITH TOP OF STAKE POINTING UPHILL

APPROVED: 3 – 2016

City of RAMSEY

STANDARD DETAILS: BIO ROLL (COMPOST LOG)

CITY PLATE No. ERO–4



NOTE:

1. MINIMUM CONSTRUCTION ENTRANCE WIDTH EQUAL TO PROPOSED ROADWAY WIDTH.
2. WIDTH OF RADIUS AS REQUIRED TO ENSURE VEHICLES DO NOT TRACK ONTO PUBLIC ROAD.
3. MAINTAINENCE AS REQUIRED TO PREVENT TRACKING ONTO PUBLIC ROADS. THIS MAY REQUIRE TOP DRESSING WITH ADDITIONAL ROCK OR REMOVAL AND REINSTALLATION OF THE ENTRANCE AS NEEDED.

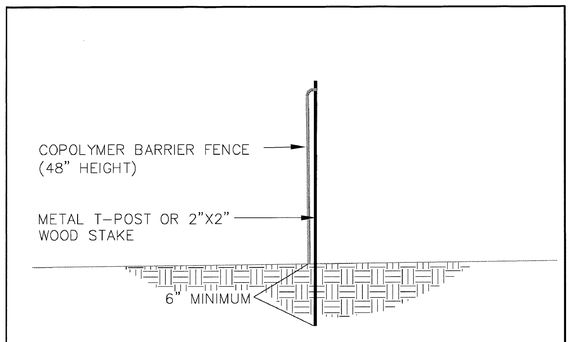
NOT TO SCALE

APPROVED: 1 – 2016

City of RAMSEY

STANDARD DETAILS: ROCK CONSTRUCTION ENTRANCE

CITY PLATE No. ERO–5



NOTES:

1. TREE FENCE TO BE PLACED MIN. 1 FOOT PER CALIPER IN. OF TREE DIAMETER FROM TREE
2. ANCHOR POST MAX. 10' SEPARATION
3. SECURELY ATTACH TREE FENCE TO ANCHOR POSTS W/ MIN. TWO ATTACHMENTS PER POST

TREE FENCE DETAIL

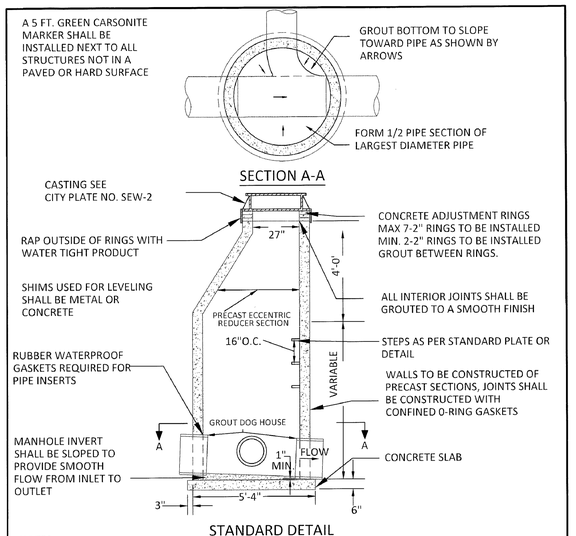
NO SCALE

APPROVED: 2 – 2023

City of RAMSEY

STANDARD DETAILS: TREE FENCE

CITY PLATE No. ERO–8



NOTES:

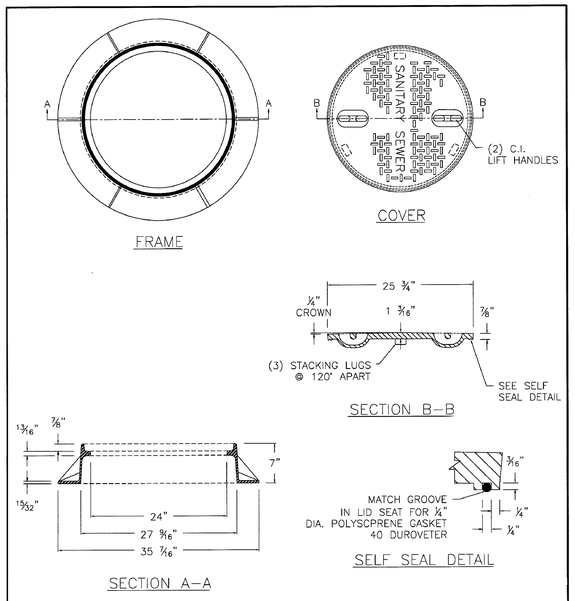
1. 12 GAUGE COPPER CLAD STEEL TRACER WIRE IS REQUIRED WITH ALL SEWER LINES (FOR DETAILED INFO. REFER TO MINNESOTA RURAL WATER ASSOCIATION TRACER WIRE SPECIFICATION AT WWW.MRWA.COM)
2. 6" BASE FOR ALL MANHOLES LESS THAN 14 FT. OF DEPTH, INCREASE BASE THICKNESS 2" PER 6 FT. OF DEPTH BEYOND 14 FT
3. 5" PRECAST BASE MAY BE USED FOR MANHOLES LESS THAN 14 FT. DEEP
4. ALL INVERTS TO BE 0.10' ABOVE OUTLET

APPROVED: 1 - 2024

City of RAMSEY

STANDARD DETAILS: SANITARY MANHOLE

CITY PLATE No. SEW-1



NOTE: NOT TO SCALE

APPROVED: 11 – 2015

City of RAMSEY

STANDARD DETAILS: WATER TIGHT CASTING

CITY PLATE No. SEW–2

Kinghorn CONSTRUCTION

DATE	REVISION	DATE	REVISION

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

TIMOTHY A. EDGERRIN, P.E.

Date 8/12/24 Lic. No. 43362

DESIGNED BY: TAE
DRAWN BY: TAE
CHECKED BY: CJJ

Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520
www.hakanson-anderson.com

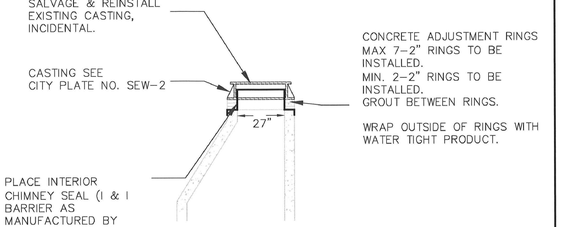
ANOKA RAMSEY ATHLETIC ASSOCIATION

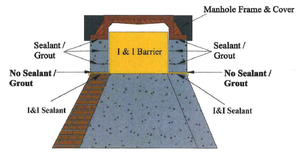
CITY STANDARD PLATES

CITY OF RAMSEY, MINNESOTA

SHEET C5 OF C15 SHEETS

3395.24

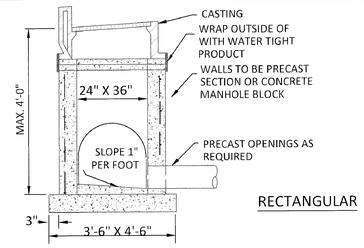




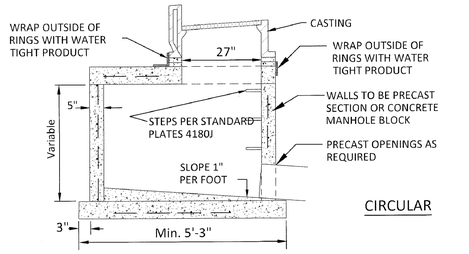
NOT TO SCALE

APPROVED: 1 - 2022	City of RAMSEY	STANDARD DETAILS: SANITARY MANHOLE ADJUSTING RINGS & CHIMNEY SEAL
		CITY PLATE No. SEW-7

A 5 FT. GREEN CARSONITE MARKER SHALL BE INSTALLED NEXT TO ALL STRUCTURES NOT IN A PAVED OR HARD SURFACE



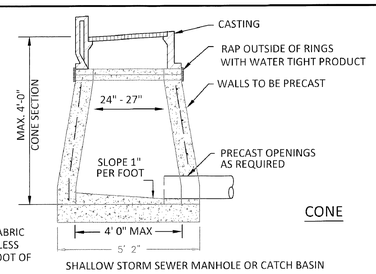
RECTANGULAR



CIRCULAR

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 12 GAUGE COPPER CLAD STEEL TRACER WIRE IS REQUIRED WITH ALL STORM LINES
7. CONDUCTIVITY IS REQUIRED ON ALL TRACER WIRE
8. TRACER WIRES ARE TO END IN STRUCTURES, AT FINISHED GRADE ON ALL SERVICES AND STUBS
9. STEPS ARE REQUIRED IF STRUCTURE FROM THE CASTING TO THE INVERT IS GREATER THAN 4 FEET

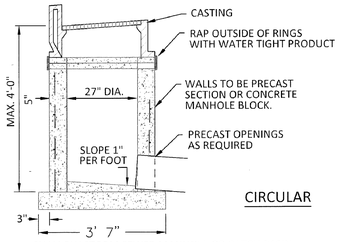
APPROVED: 1 - 2024	City of RAMSEY	STANDARD DETAILS: CATCH BASIN
		CITY PLATE No. STO-1



CONE

PRECAST REINFORCING:
SINGLE LINE STEEL WIRE FABRIC HAVING AN AREA OF NOT LESS THAN 0.12 SQ INCH PER FOOT OF HEIGHT.

SHALLOW STORM SEWER MANHOLE OR CATCH BASIN



CIRCULAR

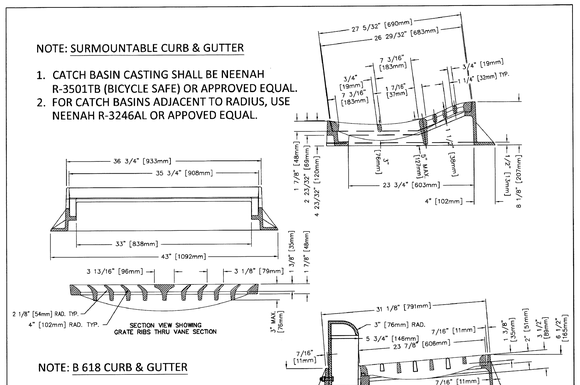
SHALLOW STORM SEWER MANHOLE OR CATCH BASIN

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, SHIMS SHALL BE METAL, CONCRETE OR PLASTIC
5. SHIMS USED FOR LEVELING SHALL BE METAL OR CONCRETE
6. A 12 GAUGE COPPER CLAD STEEL TRACER WIRE IS REQUIRED WITH ALL STORM LINES
7. CONDUCTIVITY IS REQUIRED ON ALL TRACER WIRE
8. TRACER WIRED ARE TO END IN STRUCTURES, AT FINIHED GRADE ON ALL SERVICES AND STUBS

APPROVED: 1 - 2024	City of RAMSEY	STANDARD DETAILS: STORM AREA INLET
		CITY PLATE No. STO-2

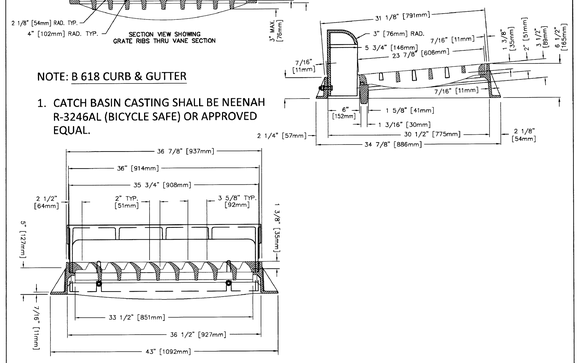
NOTE: SURMOUNTABLE CURB & GUTTER

1. CATCH BASIN CASTING SHALL BE NEENAH R-3501TB (BICYCLE SAFE) OR APPROVED EQUAL.
2. FOR CATCH BASINS ADJACENT TO RADIUS, USE NEENAH R-3246AL OR APPOVED EQUAL.



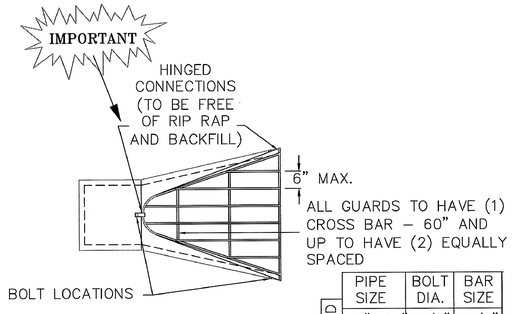
NOTE: B 618 CURB & GUTTER

1. CATCH BASIN CASTING SHALL BE NEENAH R-3246AL (BICYCLE SAFE) OR APPROVED EQUAL.



APPROVED: 4 - 2024	City of RAMSEY	STANDARD DETAILS: STORMWATER CASTING
		CITY PLATE No. STO-4

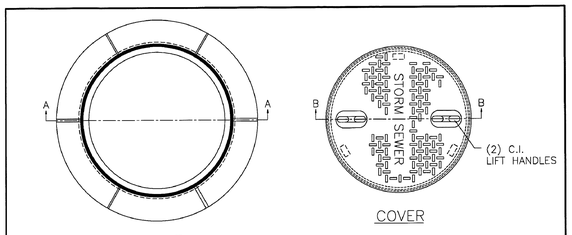
NOTE:
GUARDS MUST BE INCORPORATED ON ALL INSTALLATIONS EXCEPT WHERE SPECIFICALLY ALLOWED OTHERWISE BY THE CITY ENGINEER.



ARCH ROUND 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"

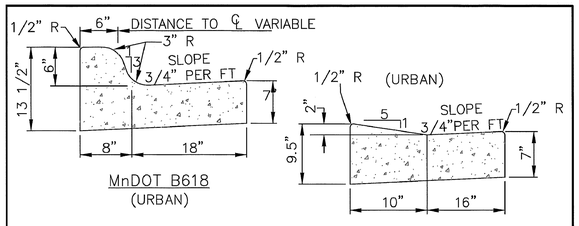
NOTE: COATINGS ARE AS SPECIFED ELSEWHERE

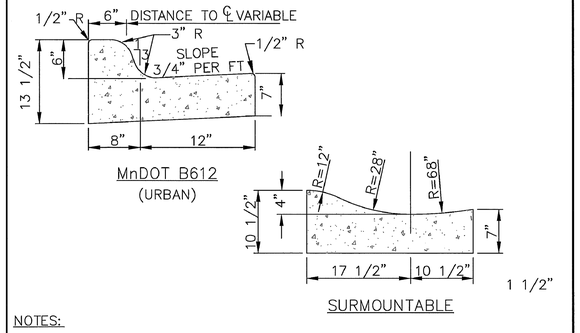
APPROVED: 2 - 2006	City of RAMSEY	STANDARD DETAILS: TRASH GUARD
		CITY PLATE No. STO-8



NOTE: NOT TO SCALE

APPROVED: 2 - 2019	City of RAMSEY	STANDARD DETAILS: WATER TIGHT CASTING
		CITY PLATE No. STO-14





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	City of RAMSEY	STANDARD DETAILS: CURB AND GUTTER
		CITY PLATE No. STR-1

Kinghorn CONSTRUCTION

DATE	REVISION	DATE	REVISION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
TIMOTHY A. EDGERRIN, P.E.
Date 8/12/24 Lic. No. 43362

DESIGNED BY: TAE
DRAWN BY: TAE
CHECKED BY: CJJ

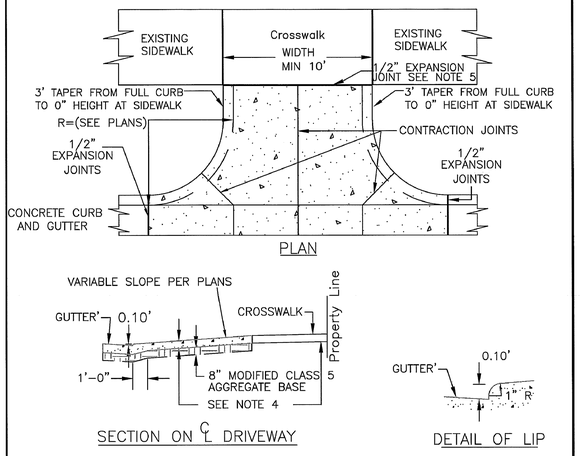
Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520
www.hakanson-anderson.com

ANOKA RAMSEY ATHLETIC ASSOCIATION

CITY STANDARD PLATES
CITY OF RAMSEY, MINNESOTA

SHEET C6 OF C15 SHEETS

3395.24



NOTES:
1. PANEL WIDTH SHALL NOT EXCEED 10 FT. WITHOUT A CENTERLINE CONSTRUCTION JOINT.
2. DRIVEWAY TO BE ONE COURSE CONCRETE PAVEMENT. (SEE SPECIAL PROVISIONS FOR CLASS OF CONCRETE.)
3. GUTTER TO BE PAVED INTEGRAL WITH DRIVEWAY.
4. 8" THICK FOR COMMERCIAL DRIVEWAYS.
5. 1/2" EXPANSION JOINT, 1/2" PREFORMED JOINT FILLER MATERIAL, AASHTO M 213 (REQUIRED WHEN 2 CONCRETE AREAS ARE POURED SEPARATELY.)

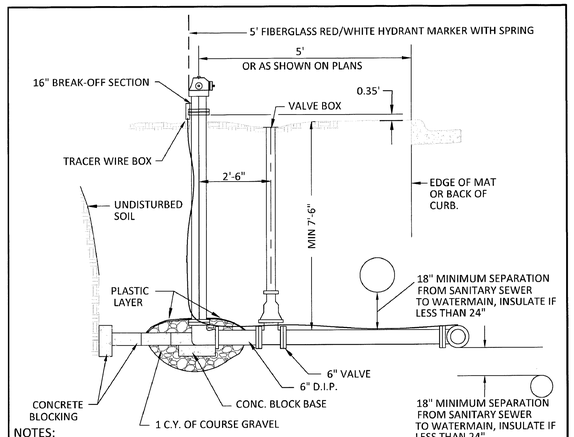
APPROVED:		STANDARD DETAILS:
4 – 2016	City of RAMSEY	COMMERCIAL DRIVEWAY CURBCUT
		CITY PLATE No. STR–14

TABLE A
MODIFIED CLASS 5 SPECIFICATIONS
% PASSING

1"	100
3/4"	90 – 100
3/8"	50 – 80
No.4	35 – 70
No.10	20 – 60
No.40	10 – 35
No.200	5 – 10

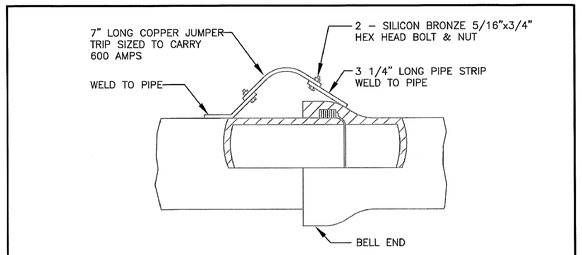
NOTES:
1. THE AGGREGATE BASE CONSTRUCTION WILL BE ACCEPTED FOR PAYMENT IN ACCORDANCE WITH THE PROVISIONS IN TABLE A.
2. IF THE AGGREGATE BASE FAILS TO MEET THE REQUIREMENTS OF TABLE A THE MATERIAL CAN BE CORRECTED IN PLACE OR REMOVED AND REPLACED WITH MATERIAL THAT MEET THE REQUIREMENTS OF TABLE A.
3. IN THE EVENT THAT RECYCLED MATERIAL IS USE IT MUST MEET MNDOT REQUIREMENTS FOR RECYCLED BASE.

APPROVED:		STANDARD DETAILS:
2 - 2003	City of RAMSEY	MODIFIED CLASS 5 SPECIFICATIONS
		CITY PLATE No. STR–26



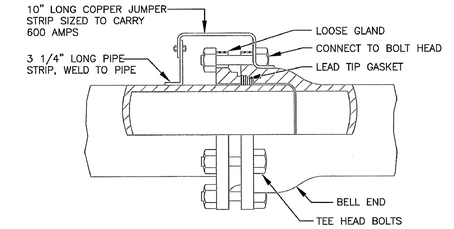
NOTES:
1. HYDRANT SHALL BE 5-1/4" WB67 WATEROUS PACER OR APPROVED EQUAL.
2. HYDRANTS TO BE ORDERED FOR 8'-0" BURY. IN AREAS OF EXTRA DEPTH ON THE WATERMAIN, HYDRANTS EXTENSIONS MAY BE REQUIRED.
3. HYDRANTS SHALL BE BLOCKED OR TIED TO THE TEE AT MAIN WITH 2-3/4" DIAMETER TIE RODS. ALL TIE RODS TO BE COAL TAR COATED AFTER INSTALLATION. RESTRAINED JOINT PIPE AND RETAINING GLANDS MAY BE USED.
4. TOP NUT OF HYDRANT 2.5' ABOVE TOP BACK OF CURB OR BITUMINOUS SURFACE.
5. HYDRANTS BURIED BELOW WATER TABLE, DRAIN HOLES NEED TO BE PLUGGED AND HYDRANT MARKED BY PAINTING 5" CAP YELLOW.
6. BRUSH PAINT ALL HYDRANTS AFTER INSTALLATION IS COMPLETE.
7. PUMPER NOZZLE .5.75" O.D. X 4 T.P.I, HOSE NOZZLE 3.06" O.D. X 7 T.P.I.
8. 12 GAUGE COPPER CLAD STEEL TRACER WIRE IS REQUIRED WITH ALL WATER LINES (FOR DETAILED INFO. REFER TO MINNESOTA RURAL WATER ASSOCIATION TRACER WIRE SPECIFICATION AT WWW.MRWA.COM)

APPROVED:		STANDARD DETAILS:
1 - 2024	City of RAMSEY	HYDRANT
		CITY PLATE No. WAT-1

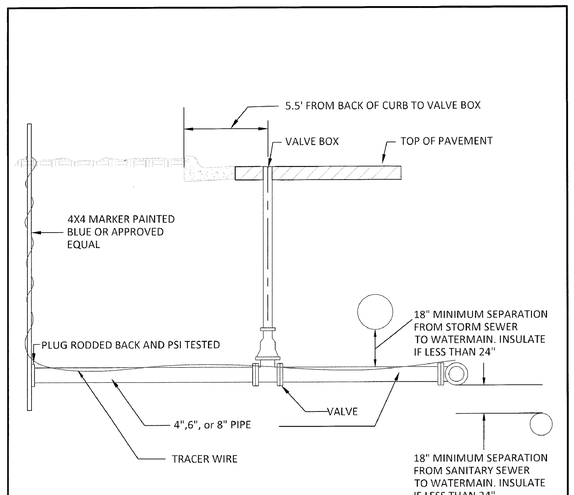


NOTE: DO NOT PASS CURRENT THROUGH PIPE UNLESS PIPE IS FULL OF WATER.

ALTERNATE METHOD BY AMERICAN CAST –IRON USING 4 COPPER CONTACT STRIPS IS AN APPROVED EQUAL TO ABOVE

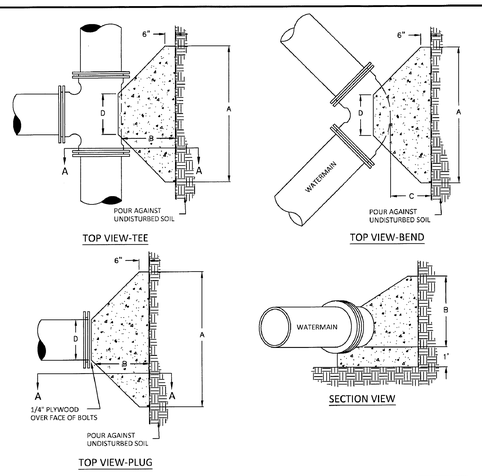


APPROVED:		STANDARD DETAILS:
1 – 2016	City of RAMSEY	JOINT CONNECTION
		CITY PLATE No. WAT–4



NOTES:
1. SHALL BE BLOCKED OR TIED TO THE MAIN WITH 2-3/4" DIAMETER TIE RODS. ALL TIE RODS TO BE COAL TAR COATED AFTER INSTALLATION. RESTRAINED JOINT PIPE AND RETAINING GLANDS MAY BE USED.
2. 12 GAUGE COPPER CLAD STEEL TRACER WIRE IS REQUIRED WITH ALL WATER LINES (FOR DETAILED INFO. REFER TO MINNESOTA RURAL WATER ASSOCIATION TRACER WIRE SPECIFICATION AT WWW.MRWA.COM)

APPROVED:		STANDARD DETAILS:
1 - 2024	City of RAMSEY	COMMERCIAL SERVICE
		CITY PLATE No. WAT-5



PIPE SIZE	22 ½% BEND			45% BEND			90% BEND		
	A	B	C	A	B	C	A	B	C
12"	1'-10"	1'-10"	2'-0"	3'-4"	2'-0"	2'-0"	4'-9"	2'-6"	2'-0"
16"	3'-0"	2'-0"	2'-0"	3'-10"	3'-0"	2'-0"	6'-2"	3'-6"	2'-6"
20"	3'-6"	2'-8"	3'-0"	5'-6"	3'-4"	3'-0"	8'-4"	4'-0"	
24"	4'-4"	3'-0"	3'-0"	6'-10"	3'-10"	3'-0"	9'-8"	5'-0"	
30"	--	--	3'-6"	9'-3"	6'-0"	3'-6"	17'-0"	6'-0"	3'-6"

DIMENSION D SHALL BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH MJ BOLTS.

NOTES:
1. BLOCKING TO BE POURED CONCRETE, MNDOT MIX DESIGN 3A32.
2. FITTINGS MUST BE COVERED W/POLY (8 MIL) PRIOR TO POURING CONCRETE
3. KEEP CONCRETE CLEAR OF BOLTS, JOINT AND ACCESSORIES.

APPROVED:		STANDARD DETAILS:
1 - 2024	City of RAMSEY	THRUST BLOCKS
		CITY PLATE No. WAT-8

DATE	REVISION	DATE	REVISION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
TIMOTHY A. EDGERRIN, P.E.
Date 8/12/24 Lic. No. 43362

DESIGNED BY: TAE
DRAWN BY: TAE
CHECKED BY: CJJ

Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520
www.hakanson-anderson.com

ANOKA RAMSEY ATHLETIC ASSOCIATION

CITY STANDARD PLATES
CITY OF RAMSEY, MINNESOTA

SHEET C7 OF C15 SHEETS

Kinghorn CONSTRUCTION

3395.24

GENERAL NOTES:

1. SILT FENCE/TREE PROTECTION FENCE SHALL BE IN PLACE PRIOR TO THE START OF ANY REMOVAL ACTIVITIES. SEE THE GRADING, DRAINAGE AND EROSION CONTROL PLAN FOR SILT FENCE LOCATIONS.
2. CLEARING OF ANY OAK TREES SHALL NOT OCCUR PRIOR TO JULY 15TH. IF OAK TREE CLEARING IS NECESSARY PRIOR TO JULY 15TH, AN OAK WILT MANAGEMENT PLAN MUST BE PREPARED AND SUBMITTED TO THE CITY FOR REVIEW TO ENSURE ADEQUATE MEASURES ARE IMPLEMENTED TO PROTECT FROM THE INTRODUCTION OF OAK WILT.
3. CLEAR AND GRUB BRUSH, SHRUBS AND SMALL TREES WITHIN THE CONSTRUCTION LIMITS (NOT SHOWN).

REFERENCE NOTES:

① FENCE MATERIAL SHALL MEET THE REQUIREMENTS OF CITY PLATE NO. ERO-8. FENCE SHALL BE INSTALLED PER MN/DOT SPEC. 2572.3.A.1.

② ONLY THE SIGNIFICANT TREES, AS DEFINED BY THE CITY OF RAMSEY, ARE NUMBERED. SEE SHEET C2 FOR THE SIGNIFICANT TREE INVENTORY TABULATION.

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- SECTION LINE
- EXISTING CONTOUR
- EXISTING CONCRETE CURB AND GUTTER
- P-BUR BURIED ELECTRIC LINE
- P-OH OVERHEAD ELECTRIC LINE
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING FENCE
- EXISTING CATCH BASIN
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER APRON
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATERMAIN VALVE
- EXISTING HYDRANT
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING GUY WIRE
- EXISTING SIGN
- EXISTING CONIFEROUS AND DECIDUOUS TREES
- SB-X SOIL BORING LOCATION
- EXISTING BITUMINOUS PAVEMENT
- EXISTING CONCRETE PAVEMENT
- EXISTING GRAVEL SURFACE
- REMOVE BITUMINOUS PAVEMENT
- CLEAR AND GRUB CONIFEROUS AND DECIDUOUS TREES
- SAWCUT PAVEMENT
- REMOVE CURB OR FENCE
- TREE PROTECTION FENCE ①
- XXX TREE NUMBER ②

Kinghorn
CONSTRUCTION

Aug 07, 2024 - 9:58am
K:\PRIVATE\3395.24\ENGINEERING\PLAN DWG\339524_EXISTING.dwg

DATE	REVISION	DATE	REVISION

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

TIMOTHY A. EGGERICHS, P.E.
Date 8/12/24 Lic. No. 43362

DESIGNED BY: TAE
DRAWN BY: TAE
CHECKED BY: CJJ

Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520
www.hakanson-anderson.com

ANOKA RAMSEY ATHLETIC ASSOCIATION

EXISTING TOPOGRAPHY
AND REMOVALS PLAN

CITY OF RAMSEY, MINNESOTA

SHEET C8 OF C15 SHEETS

3395.24

GENERAL NOTES:

1. SEE SHEETS C10 AND C11 FOR DETAILED GRADING PLANS.

Kinghorn CONSTRUCTION

DATE	REVISION	DATE	REVISION

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

TIMOTHY A. EGGERICHS, P.E.

Date 8/12/24 Lic. No. 43362

DESIGNED BY:	TAE
DRAWN BY:	TAE
CHECKED BY:	CJJ

Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520
www.hakanson-anderson.com

ANOKA RAMSEY ATHLETIC ASSOCIATION

OVERALL GRADING PLAN

CITY OF RAMSEY, MINNESOTA

SHEET C9 OF C15 SHEETS

3395.24

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- SECTION LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING CONCRETE CURB AND GUTTER
- BURIED ELECTRIC LINE
- OVERHEAD ELECTRIC LINE
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING FENCE
- EXISTING CATCH BASIN
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER APRON
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATERMAIN VALVE
- EXISTING HYDRANT
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING GUY WIRE
- EXISTING SIGN
- EXISTING CONIFEROUS AND DECIDUOUS TREES
- EXISTING BITUMINOUS PAVEMENT
- EXISTING CONCRETE PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED RIPRAP
- TREE PROTECTION FENCE
- PROPOSED CONCRETE CURB AND GUTTER
- PROPOSED WATERMAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED FORCEMAIN
- PROPOSED STORM SEWER MANHOLE
- PROPOSED CATCH BASIN/POND OUTLET STRUCTURE
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED STORM SEWER APRON
- PROPOSED HYDRANT
- PROPOSED WATERMAIN VALVE
- PROPOSED TIPOUT CURB PER 5/C2
- SILT FENCE PER CITY PLATE NO. ERO-1 ⑤
- SEDIMENT CONTROL LOG PER CITY PLATE NO. ERO-4 ④
- DETAIL NUMBER
- SHEET NUMBER
- STORM DRAIN INLET PROTECTION DEVICE PER 2/C3, 3/C3 AND 7/C3
- DRAINAGE ARROW
- E.O.F =XXX.X EMERGENCY OVERFLOW ELEVATION
- SB-X SOIL BORING LOCATION

GENERAL NOTES:

1. PRIOR TO IMPORTING OR EXPORTING MATERIAL FROM THE SITE, CONTRACTOR SHALL CONSTRUCT ROCK CONSTRUCTION ENTRANCES AS NEEDED PER CITY PLATE NO. ERO-5. ROCK CONSTRUCTION ENTRANCES SHALL HAVE A MINIMUM HEIGHT OF TWO FEET.
2. VERIFY BUILDING DIMENSIONS WITH ARCHITECTURAL PLANS.
3. SEE SHEET C12 FOR THE ENTRANCE ROAD STREET AND UTILITY CONSTRUCTION PLAN.
4. SEE SHEET C13 FOR THE STAKING PLAN.
5. SEE SHEET C14 FOR THE UTILITY PLAN.
6. SEE SHEET C15 FOR THE RESTORATION AND PAVING PLAN.
7. CONTRACTOR SHALL IMMEDIATELY INITIATE STABILIZATION OF EXPOSED SOIL AREAS AND COMPLETE STABILIZATION WITHIN SEVEN CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE TEMPORARILY OR PERMANENTLY CEASES.
8. CONTRACTOR SHALL DETERMINE A LOCATION FOR CONCRETE AND OTHER WASHOUT WASTE. A SIGN SHALL BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY THAT REQUIRES SITE PERSONNEL TO UTILIZE THE PROPER FACILITIES FOR DISPOSAL OF CONCRETE AND OTHER WASTES.
9. STREET SWEEPING MUST BE PERFORMED DAILY IF SEDIMENT IS TRACKED OUTSIDE THE CONSTRUCTION LIMITS OR ONTO ANY CITY STREETS.
10. PER THE ANOKA COUNTY SOIL SURVEY, THE SITE CONSISTS OF HUBBARD LOAMY SAND AND DICKMAN SANDY LOAM. SEE THE GEOTECHNICAL EXPLORATION REPORT FOR ADDITIONAL INFORMATION.
11. MAXIMUM FINISHED GRADES SLOPES SHALL BE 3:1.
12. ANY EXCESS SUITABLE GRADING MATERIAL SHALL BE PLACED ON THE PROPERTY NORTH OF THE ARAA SITE AS DIRECTED BY THE OWNER.

REFERENCE NOTES:

① PLACE RIPRAP PER CITY PLATE NO. ERO-3.
② CONTRACTOR SHALL NOT EXCAVATE THE INFILTRATION BASIN TO FINAL GRADE, OR WITHIN THREE FEET OF FINAL GRADE, UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN CONSTRUCTED AND FULLY STABILIZED UNLESS RIGOROUS EROSION PREVENTION AND SEDIMENT CONTROLS TO KEEP SEDIMENT AND RUNOFF COMPLETELY AWAY FROM THE INFILTRATION BASIN ARE PROVIDED.
③ CONSTRUCT INFILTRATION BASIN PER 4/C2.
④ PLACE SEDIMENT CONTROL LOG AFTER COMPLETION OF GRADING.
⑤ PLACE SILT FENCE AT, OR OUTSIDE, THE DRIPLINE OF TREES.
⑥ CONSTRUCT RAIN GUARDIAN PER 4/C3. PLACE SEDIMENT CONTROL LOG UPSTREAM OF THE RAIN GUARDIAN UNTIL FINAL STABILIZATION IS ACHIEVED.
⑦ CONSTRUCT SPECIAL CURB SECTION PER 6/C2.
⑧ THIS INFILTRATION BASIN WILL BE ELIMINATED WHEN FUTURE PHASES OF THE SITE ARE DEVELOPED.

SCALE 30 0 30 60 IN FEET

PROJECT SUMMARY

DISTURBED AREA	= 12.11 ACRES
EXISTING IMPERVIOUS AREA	= 0.01 ACRES
PROPOSED IMPERVIOUS AREA (PHASE 1)	= 5.88 ACRES

Kinghorn CONSTRUCTION

DATE	REVISION	DATE	REVISION

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

TIMOTHY A. ERICHS, P.E.

Date 8/12/24 Lic. No. 43362

DESIGNED BY: TAE
DRAWN BY: TAE
CHECKED BY: CJJ

Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520
www.hakanson-anderson.com

ANOKA RAMSEY ATHLETIC ASSOCIATION

GRADING, DRAINAGE AND SEDIMENT CONTROL PLAN

CITY OF RAMSEY, MINNESOTA

SHEET C10 OF C15 SHEETS

3395.24

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- SECTION LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING CONCRETE CURB AND GUTTER
- BURIED ELECTRIC LINE
- OVERHEAD ELECTRIC LINE
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING FENCE
- EXISTING CATCH BASIN
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER APRON
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATERMAIN VALVE
- EXISTING HYDRANT
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING GUY WIRE
- EXISTING SIGN
- EXISTING CONIFEROUS AND DECIDUOUS TREES
- EXISTING BITUMINOUS PAVEMENT
- EXISTING CONCRETE PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED RIPRAP
- TREE PROTECTION FENCE
- PROPOSED CONCRETE CURB AND GUTTER
- PROPOSED WATERMAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED FORCEMAIN
- PROPOSED STORM SEWER MANHOLE
- PROPOSED CATCH BASIN/POND OUTLET STRUCTURE
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED STORM SEWER APRON
- PROPOSED HYDRANT
- PROPOSED WATERMAIN VALVE
- PROPOSED TIPOUT CURB PER 5/C2
- SILT FENCE PER CITY PLATE NO. ERO-1 ②
- SEDIMENT CONTROL LOG PER CITY PLATE NO. ERO-4 ①
- DETAIL NUMBER / SHEET NUMBER
- STORM DRAIN INLET PROTECTION DEVICE PER 2/C3, 3/C3 AND 7/C3
- DRAINAGE ARROW
- E.O.F =XXX.X EMERGENCY OVERFLOW ELEVATION
- SB-X SOIL BORING LOCATION

GENERAL NOTES:

1. PRIOR TO IMPORTING OR EXPORTING MATERIAL FROM THE SITE, CONTRACTOR SHALL CONSTRUCT ROCK CONSTRUCTION ENTRANCES AS NEEDED PER CITY PLATE NO. ERO-5. ROCK CONSTRUCTION ENTRANCES SHALL HAVE A MINIMUM HEIGHT OF TWO FEET.
2. VERIFY BUILDING DIMENSIONS WITH ARCHITECTURAL PLANS.
3. SEE SHEET C12 FOR THE ENTRANCE ROAD STREET AND UTILITY CONSTRUCTION PLAN.
4. SEE SHEET C13 FOR THE STAKING PLAN.
5. SEE SHEET C14 FOR THE UTILITY PLAN.
6. SEE SHEET C15 FOR THE RESTORATION AND PAVING PLAN.
7. CONTRACTOR SHALL IMMEDIATELY INITIATE STABILIZATION OF EXPOSED SOIL AREAS AND COMPLETE STABILIZATION WITHIN SEVEN CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE TEMPORARILY OR PERMANENTLY CEASES.
8. CONTRACTOR SHALL DETERMINE A LOCATION FOR CONCRETE AND OTHER WASHOUT WASTE. A SIGN SHALL BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY THAT REQUIRES SITE PERSONNEL TO UTILIZE THE PROPER FACILITIES FOR DISPOSAL OF CONCRETE AND OTHER WASTES.
9. STREET SWEEPING MUST BE PERFORMED DAILY IF SEDIMENT IS TRACKED OUTSIDE THE CONSTRUCTION LIMITS OR ONTO ANY CITY STREETS.
10. PER THE ANOKA COUNTY SOIL SURVEY, THE SITE CONSISTS OF HUBBARD LOAMY SAND AND DICKMAN SANDY LOAM. SEE THE GEOTECHNICAL EXPLORATION REPORT FOR ADDITIONAL INFORMATION.
11. MAXIMUM FINISHED GRADES SLOPES SHALL BE 3:1.
12. ANY EXCESS SUITABLE GRADING MATERIAL SHALL BE PLACED ON THE PROPERTIES EAST AND WEST OF THE ENTRANCE ROAD AS DIRECTED BY THE OWNER.

REFERENCE NOTES:

① PLACE SEDIMENT CONTROL LOG AFTER COMPLETION OF GRADING.
② PLACE SILT FENCE AT, OR OUTSIDE, THE DRIPLINE OF TREES.

SCALE 30 0 30 60 IN FEET

Kinghorn CONSTRUCTION

DATE	REVISION	DATE	REVISION

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

TIMOTHY A. EGGERICHS, P.E.
Date 8/12/24 Lic. No. 43362

DESIGNED BY: TAE
DRAWN BY: TAE
CHECKED BY: CJJ

Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520
www.hakanson-anderson.com

ANOKA RAMSEY ATHLETIC ASSOCIATION

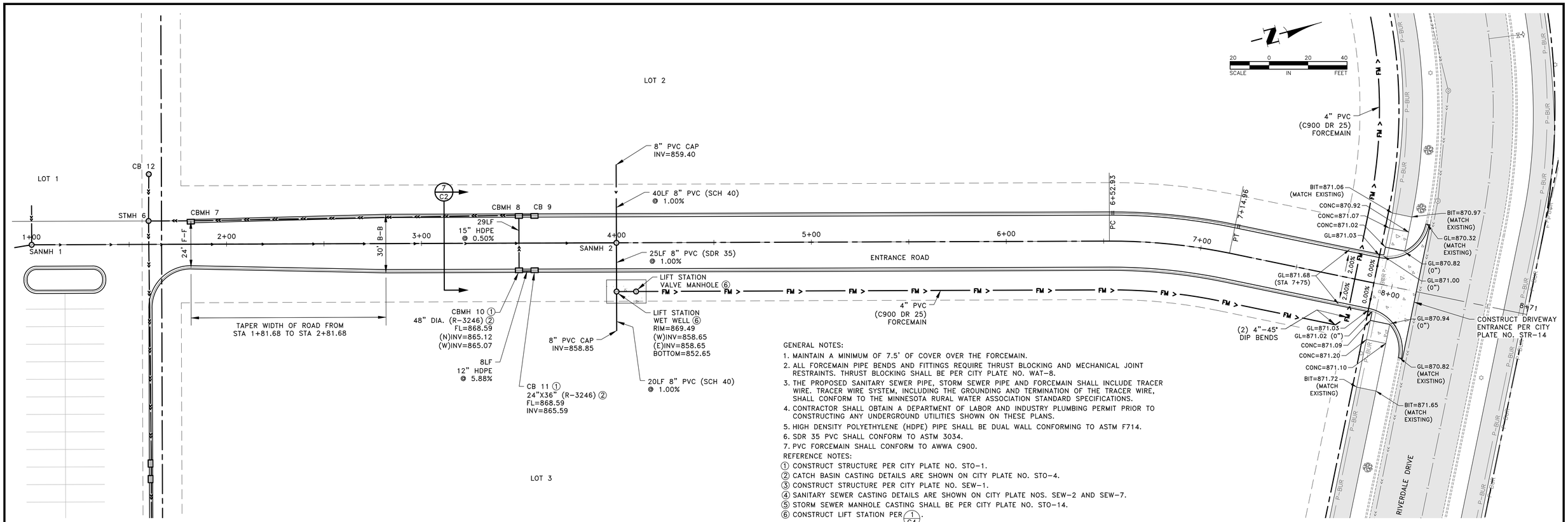
GRADING, DRAINAGE AND SEDIMENT CONTROL PLAN

CITY OF RAMSEY, MINNESOTA

SHEET C11 OF C15 SHEETS

3395.24

Aug 07, 2024 - 10:00am K:\PRIVATE\3395.24\ENGINEERING\PLAN DWG\339524_GRADING_DETAILED.dwg

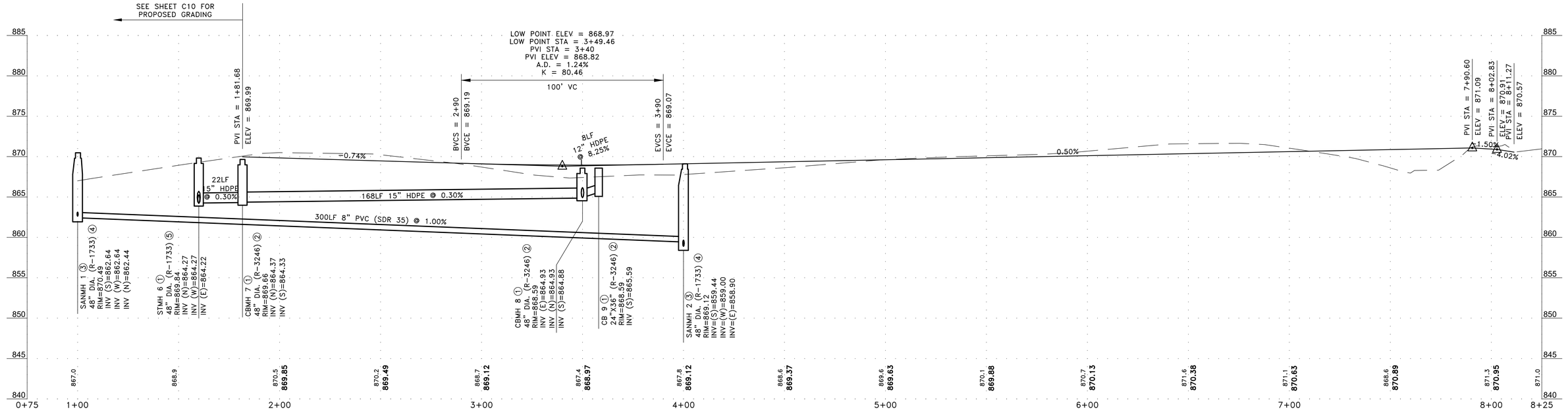


GENERAL NOTES:

1. MAINTAIN A MINIMUM OF 7.5' OF COVER OVER THE FORCEMAIN.
2. ALL FORCEMAIN PIPE BENDS AND FITTINGS REQUIRE THRUST BLOCKING AND MECHANICAL JOINT RESTRAINTS. THRUST BLOCKING SHALL BE PER CITY PLATE NO. WAT-8.
3. THE PROPOSED SANITARY SEWER PIPE, STORM SEWER PIPE AND FORCEMAIN SHALL INCLUDE TRACER WIRE. TRACER WIRE SYSTEM, INCLUDING THE GROUNDING AND TERMINATION OF THE TRACER WIRE, SHALL CONFORM TO THE MINNESOTA RURAL WATER ASSOCIATION STANDARD SPECIFICATIONS.
4. CONTRACTOR SHALL OBTAIN A DEPARTMENT OF LABOR AND INDUSTRY PLUMBING PERMIT PRIOR TO CONSTRUCTING ANY UNDERGROUND UTILITIES SHOWN ON THESE PLANS.
5. HIGH DENSITY POLYETHYLENE (HDPE) PIPE SHALL BE DUAL WALL CONFORMING TO ASTM F714.
6. SDR 35 PVC SHALL CONFORM TO ASTM 3034.
7. PVC FORCEMAIN SHALL CONFORM TO AWWA C900.

REFERENCE NOTES:

① CONSTRUCT STRUCTURE PER CITY PLATE NO. STO-1.
② CATCH BASIN CASTING DETAILS ARE SHOWN ON CITY PLATE NO. STO-4.
③ CONSTRUCT STRUCTURE PER CITY PLATE NO. SEW-1.
④ SANITARY SEWER CASTING DETAILS ARE SHOWN ON CITY PLATE NOS. SEW-2 AND SEW-7.
⑤ STORM SEWER MANHOLE CASTING SHALL BE PER CITY PLATE NO. STO-14.
⑥ CONSTRUCT LIFT STATION PER 1/C4.



Kinghorn CONSTRUCTION

DATE	REVISION	DATE	REVISION

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

TIMOTHY A. EDGERRIN, P.E.
Date 8/12/24 Lic. No. 43362

DESIGNED BY: TAE
DRAWN BY: TAE
CHECKED BY: CJJ

Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520
www.hakanson-anderson.com

ANOKA RAMSEY ATHLETIC ASSOCIATION

STREET AND UTILITY CONSTRUCTION PLAN

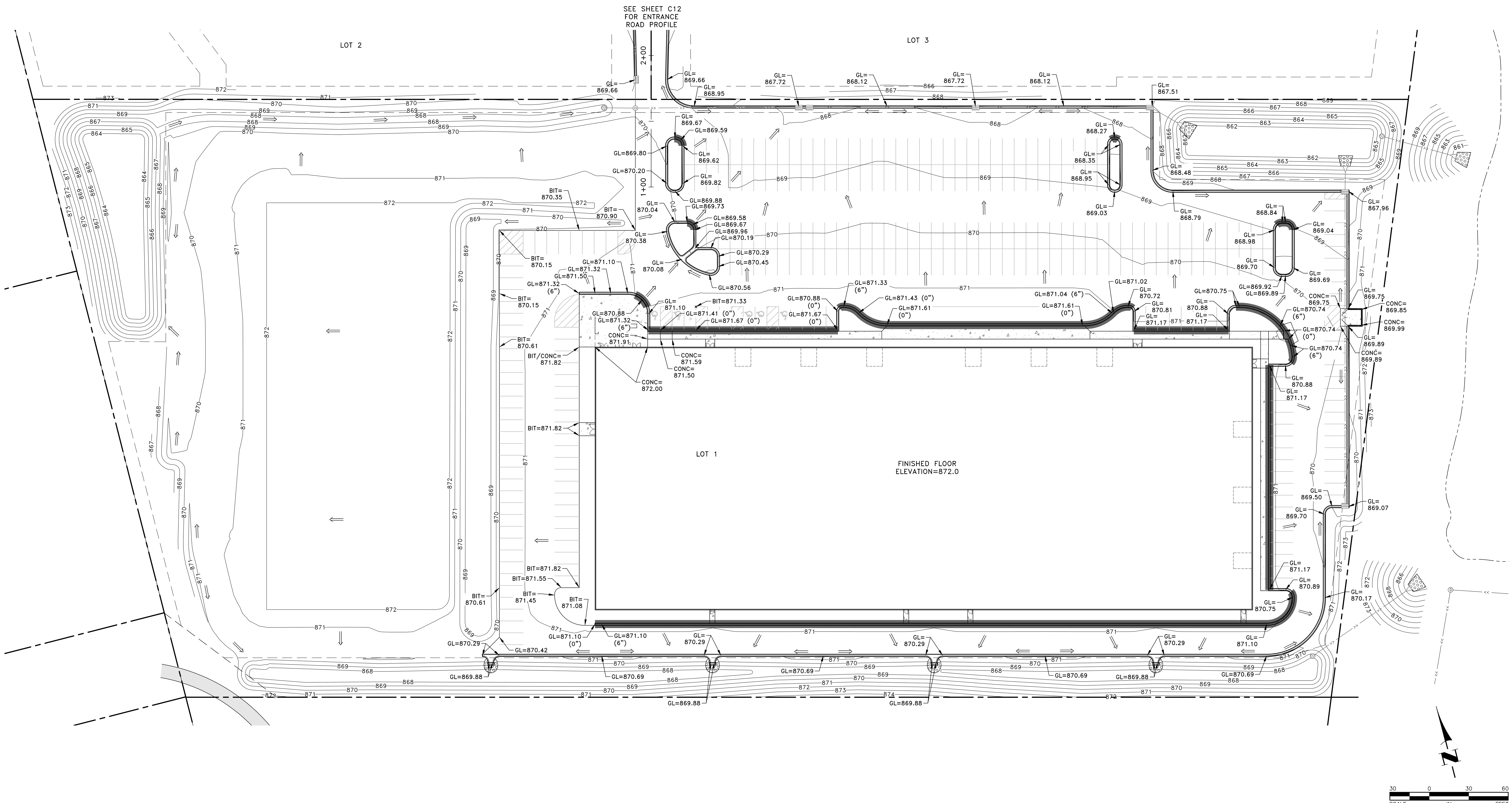
ENTRANCE ROAD
CITY OF RAMSEY, MINNESOTA

SHEET C12 OF C15 SHEETS

3395.24

LEGEND

(symbol)	PROPOSED TIPOUT CURB PER 5/C2
(arrow)	DRAINAGE ARROW
GL= XXX.XX	PROPOSED GUTTER LINE ELEVATION
FG= XXX.XX	PROPOSED SPOT ELEVATION (FINISHED GRADE)
BIT= XXX.XX	PROPOSED SPOT ELEVATION (BITUMINOUS)
CONC= XXX.XX	PROPOSED SPOT ELEVATION (CONCRETE)
BLDG= XXX.XX	PROPOSED GROUND ELEVATION AT BUILDING



DATE	REVISION	DATE	REVISION

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

TIMOTHY A. EHRENCHS, P.E.

Date 8/12/24 Lic. No. 43362

DESIGNED BY: TAE
DRAWN BY: TAE
CHECKED BY: CJJ

Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520
www.hakanson-anderson.com

ANOKA RAMSEY ATHLETIC ASSOCIATION

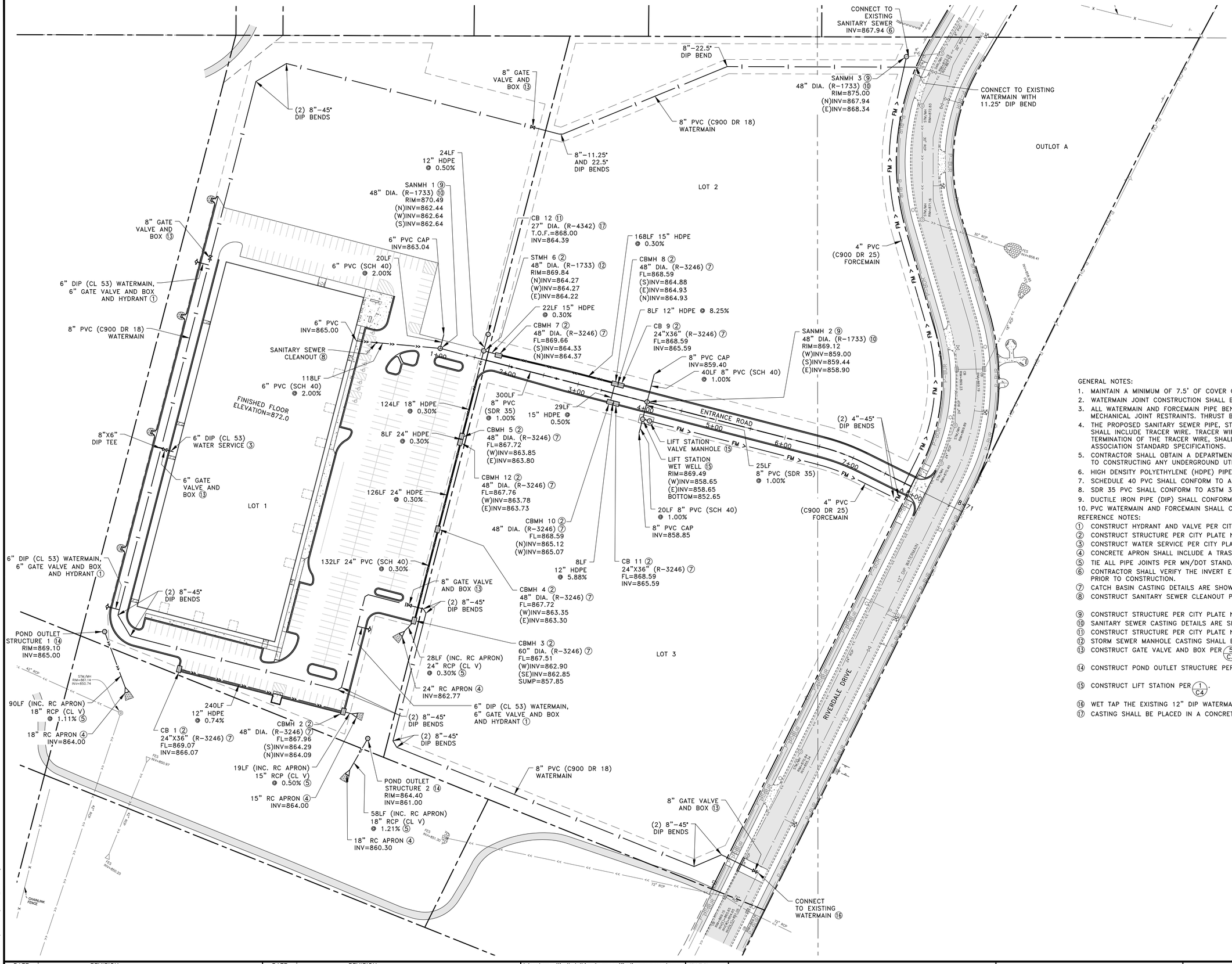
STAKING PLAN

CITY OF RAMSEY, MINNESOTA

SHEET C13 OF C15 SHEETS

3395.24

Kinghorn CONSTRUCTION



GENERAL NOTES:

1. MAINTAIN A MINIMUM OF 7.5' OF COVER OVER THE WATERMAIN AND FORCEMAIN.
2. WATERMAIN JOINT CONSTRUCTION SHALL BE PER CITY PLATE NO. WAT-4.
3. ALL WATERMAIN AND FORCEMAIN PIPE BENDS AND FITTINGS REQUIRE THRUST BLOCKING AND MECHANICAL JOINT RESTRAINTS. THRUST BLOCKING SHALL BE PER CITY PLATE NO. WAT-8.
4. THE PROPOSED SANITARY SEWER PIPE, STORM SEWER PIPE, FORCEMAIN AND WATERMAIN SHALL INCLUDE TRACER WIRE. TRACER WIRE SYSTEM, INCLUDING THE GROUNDING AND TERMINATION OF THE TRACER WIRE, SHALL CONFORM TO THE MINNESOTA RURAL WATER ASSOCIATION STANDARD SPECIFICATIONS.
5. CONTRACTOR SHALL OBTAIN A DEPARTMENT OF LABOR AND INDUSTRY PLUMBING PERMIT PRIOR TO CONSTRUCTING ANY UNDERGROUND UTILITIES SHOWN ON THESE PLANS.
6. HIGH DENSITY POLYETHYLENE (HDPE) PIPE SHALL BE DUAL WALL CONFORMING TO ASTM F714.
7. SCHEDULE 40 PVC SHALL CONFORM TO ASTM D1785 OR ASTM D2665.
8. SDR 35 PVC SHALL CONFORM TO ASTM 3034.
9. DUCTILE IRON PIPE (DIP) SHALL CONFORM TO AWWA C151.
10. PVC WATERMAIN AND FORCEMAIN SHALL CONFORM TO AWWA C900.

REFERENCE NOTES:

① CONSTRUCT HYDRANT AND VALVE PER CITY PLATE NO. WAT-1.
② CONSTRUCT STRUCTURE PER CITY PLATE NO. STO-1.
③ CONSTRUCT WATER SERVICE PER CITY PLATE NO. WAT-5.
④ CONCRETE APRON SHALL INCLUDE A TRASH GUARD PER CITY PLATE NO. STO-8.
⑤ TIE ALL PIPE JOINTS PER MN/DOT STANDARD PLATE 3145.
⑥ CONTRACTOR SHALL VERIFY THE INVERT ELEVATION OF THE EXISTING SANITARY SEWER SERVICE PRIOR TO CONSTRUCTION.
⑦ CATCH BASIN CASTING DETAILS ARE SHOWN ON CITY PLATE NO. STO-4.
⑧ CONSTRUCT SANITARY SEWER CLEANOUT PER (1/C3).
⑨ CONSTRUCT STRUCTURE PER CITY PLATE NO. SEW-1.
⑩ SANITARY SEWER CASTING DETAILS ARE SHOWN ON CITY PLATE NOS. SEW-2 AND SEW-7.
⑪ CONSTRUCT STRUCTURE PER CITY PLATE NO. STO-2.
⑫ STORM SEWER MANHOLE CASTING SHALL BE PER CITY PLATE NO. STO-14.
⑬ CONSTRUCT GATE VALVE AND BOX PER (5/C3).
⑭ CONSTRUCT POND OUTLET STRUCTURE PER (6/C3).
⑮ CONSTRUCT LIFT STATION PER (1/C4).
⑯ WET TAP THE EXISTING 12" DIP WATERMAIN FOR THE PROPOSED 8" DIP WATERMAIN.
⑰ CASTING SHALL BE PLACED IN A CONCRETE FRAME PER MN/DOT STANDARD PLATE 4143.

SCALE: 50 0 50 100 IN FEET

Kinghorn CONSTRUCTION

DATE	REVISION	DATE	REVISION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
TIMOTHY A. ENGKJER, P.E.
Date 8/12/24 Lic. No. 43362

DESIGNED BY: TAE
DRAWN BY: TAE
CHECKED BY: CJJ

Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520
www.hakanson-anderson.com

ANOKA RAMSEY ATHLETIC ASSOCIATION

UTILITY PLAN
CITY OF RAMSEY, MINNESOTA

SHEET C14 OF C15 SHEETS

3395.24

Aug 07, 2024 - 10:01pm
K:\ANOKA\3395.24\ENGINEERING\PLAN DWG\339524_UTILITY.dwg

LEGEND

- PROPOSED BITUMINOUS PAVEMENT PER (1/C2)
- PATCH BITUMINOUS TRAIL PER (8/C2)
- SEED MIX 25-131 (220 POUNDS/ACRE)
  ROLLED EROSION PREVENTION CATEGORY 20
  TYPE 1 FERTILIZER (300 POUNDS/ACRE)
- SEED MIX 25-131 (220 POUNDS/ACRE)
  HYDRAULIC MULCH MATRIX (2500 POUNDS/ACRE)
  TYPE 1 FERTILIZER (300 POUNDS/ACRE)
- SEED MIX 33-261 (35 POUNDS/ACRE)
  ROLLED EROSION PREVENTION CATEGORY 20
  TYPE 1 FERTILIZER (300 POUNDS/ACRE)
- SEED MIX 33-261 (35 POUNDS/ACRE)
  HYDRAULIC MULCH MATRIX (2500 POUNDS/ACRE)
  TYPE 1 FERTILIZER (300 POUNDS/ACRE)
- SOD
  TYPE 1 FERTILIZER (300 POUNDS/ACRE)

GENERAL NOTES:

1. PLACE A MINIMUM OF 4" OF TOPSOIL OVER ALL DISTURBED AREAS OUTSIDE THE PROPOSED PARKING LOT AND INFILTRATION AREA. TOPSOIL SHALL NOT CONTAIN MORE THAN 35% SAND CONTENT. SEE (4/C2) FOR INFILTRATION BASIN TOPSOIL REQUIREMENTS.
2. UNLESS NOTED ELSEWHERE IN THESE PLANS, CONCRETE WALK AND PAVEMENT SECTIONS SHALL BE PER (4/C2).

REFERENCE NOTES:

(1) BITUMINOUS PATCHING SECTION SHALL MATCH THE EXISTING SECTION IN RIVERDALE DRIVE.

N

50 0 50 100
SCALE IN FEET

Kinghorn CONSTRUCTION

DATE	REVISION	DATE	REVISION

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

Date 8/12/24 TIMOTHY A. EDGERRIN, P.E. Lic. No. 43362

DESIGNED BY: TAE
DRAWN BY: TAE
CHECKED BY: CJJ

Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520
www.hakanson-anderson.com

ANOKA RAMSEY ATHLETIC ASSOCIATION

RESTORATION AND PAVING PLAN

CITY OF RAMSEY, MINNESOTA

SHEET C15 OF C15 SHEETS

3395.24

PLANTING SCHEDULE					
OVERSTORY TREES	Common/ Botanical	Cont	Sqft	Quantity	Total Sqft
HB	Hackberry/ Celtis occidentalis	2.5" BB	922	4	3688
WO	White Oak / Quercus alba	2.5" BB	3,910	4	15640
HK	Butternut Hickory/ Carya cordiformis	2.5" BB	3,008	3	9024
BM	Black Maple / Acer nigrum	2.5" BB	1,535	4	6140
EVERGREEN TREES	Common/ Botanical	Cont	Sqft	Quantity	Total Sqft
BH	Black Hills Spruce / Picea glauca densata	6' BB	386	4	1544
WP	White Pine / Pinus strobus	6' BB	1,995	4	7980
DF	Douglas Fir / Pseudotsuga menzesii	6' BB	354	4	1416
LR	American Larch / Larix laricina	6' BB	718	4	2872
UNDERSTORY TREES	Common/ Botanical	Cont	Sqft	Quantity	Total Sqft
SA	Showy Mountain Ash / Sorbus decora	1.5" BB	386	4	1544
RD	Redbud / Cercis canadensis	1.5" BB	297	2	594
SHRUBS	Common/ Botanical	Cont	Sqft	Quantity	Total Sqft
	Dwarf Bush-Honeysuckle/ Diervilla lonicera	5 Gal	2	145	290
				Total SF	50732
PERENNIALS	Common/ Botanical	Cont	Quantity		
Karl Foerster Grass	Calamagrostis x acutiflora 'Karl Foerster'	1Gal	37		
Little Bluestem	Schizachyrium scoparium 'Standing Ovation'	1Gal	32		

PLANTING NOTES:

1) TREES AND SHRUBS SHALL BE FRESHLY DUG AT TIME OF DELIVERY UNLESS CONTAINER GROWN, IF CONTAINER GROWN, PLANTS SHALL BE WATERED EVERYDAY AND KEPT IN A PARTIALLY SHADED AREA UNTIL PLANTED.

2) TREES TO BE PLANTED EXCEPT MULTI-STEM TREES SHALL HAVE A SINGLE STRAIGHT LEADER AND TAPERED TRUNK. ALL TREES SHALL BE FREE OF GIRDING ROOTS THAT HAVE ENCIRCLED THE TREE.TREES MUST BE IN GOOD HEALTH AND FREE OF DISEASE.

3) ALL TREES SHALL HAVE A MINIMUM DEPTH OF 2-4" HARDWOOD BARK MULCH 6' DIAMETER RING AROUND THE BASE OF THE TREE. KEEP MULCH OFF TREE TRUNK.

4) THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANTS WHICH ARE DEEMED TO BE UNSATISFACTORY BEFORE, DURING OR AFTER INSTALLATION

5) PLANTING HOLES SHALL BE FREE OF WEEDS, ROCKS, SOD, CLAY CLUMPS, CLASS V AND OTHER CONSTRUCTION MATERIALS.

6) TOPSOIL FOR BACKFILLING PLANTING HOLES SHALL BE A MIXTURE OF NATIVE AND TOPSOIL AT A RATIO OF 1:1.

7) NO PLANTS SHALL BE INSTALLED UNTIL FINAL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.

LANDSCAPE REQUIREMENTS

SITE TOTAL: 435,683 SF

IMPERVIOUS SURFACE: 377,828 SF

PLANTING CALCULATION:
377,828/ 435,683 = .86
435,683 - 377,828 = 57,855

57,855 x .86= 49,756 SF TOTAL

LEGEND

- Sodded Lawn (See Restoration Plan for Spec.)
- Seeded Lawn MNDot 25-131 (See Restoration Plan for Spec.)
- Seeded MNDot 33-261 (See Restoration Plan for Spec.)
- Double Shredded Bark Mulch (3")
- 1.5" Gray Trap Rock (3")
- 4-6" Gray Trap Rock
- Phase 2 Boundary

GENERAL LANDSCAPE NOTES:

1) THE CONTRACTOR SHALL INSPECT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS RELATING TO THE NATURE AND SCOPE OF THE WORK.

2) THE CONTRACTOR SHALL VERIFY PLAN LAYOUT AND BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT DISCREPANCIES WHICH MAY COMPROMISE THE DESIGN OR INTENT OF THE LAYOUT.

3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES, REGULATIONS, AND PERMITS GOVERNING THE WORK.

4) THE CONTRACTOR SHALL PROTECT EXISTING ROADS,CURBS/GUTTERS, TRAILS, TREES, LAWNS AND SITE ELEMENTS DURING CONSTRUCTION.DAMAGE TO SAME SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.

5) VERIFY ALL UTILITIES, INCLUDING IRRIGATION LINES, WITH THE OWNER FOR PROPRIETARY UTILITIES AND GOPHER STATE ONE CALL 48 HOURS BEFORE DIGGING. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ANY DAMAGES TO SAME. NOTIFY THE LANDSCAPE ARCHITECT OF ANY CONFLICTS TO FACILITATE PLANT RELOCATION.

6) THE LANDSCAPE CONTRACTOR SHALL COORDINATE THE PHASES OF CONSTRUCTION AND PLANTING INSTALLATION WITH OTHER CONTRACTORS WORKING ON SITE.

7) THE CONTRACTOR SHALL REVIEW THE SITE FOR DEFICIENCIES IN SITE CONDITIONS WHICH MIGHT NEGATIVELY AFFECT PLANT ESTABLISHMENT, SURVIVAL OR WARRANTY. UNDESIRABLE SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK.

8) THE PLAN TAKES PRECEDENCE OVER THE LANDSCAPE LEGEND IF DISCREPANCIES EXIST. QUANTITIES SHOWN IN THE PLANTING SCHEDULE ARE FOR THE CONTRACTORS CONVENIENCE. CONTRACTOR TO VERIFY QUANTITIES SHOWN ON THE PLAN.

9) THE SPECIFICATIONS TAKE PRECEDENCE OVER THE PLANTING NOTES AND GENERAL NOTES.

10) EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED TO THE DRIP LINE FROM ALL CONSTRUCTION TRAFFIC, STORAGE OF MATERIALS ETC. WITH 4' HT. ORANGE PLASTIC SAFETYFENCING ADEQUATELY SUPPORTED BY STEEL FENCE POSTS 6' O.C. MAXIMUM SPACING

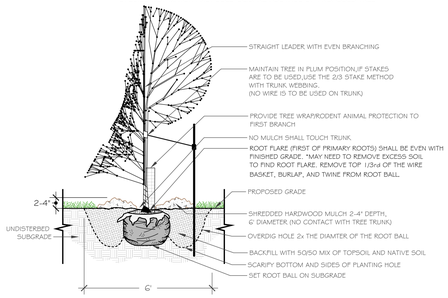
11) LONG-TERM STORAGE OF MATERIALS OR SUPPLIES ON-SITE WILL NOT BE ALLOWED.

12) CONTRACTOR SHALL REQUEST IN WRITING, A FINAL ACCEPTANCE INSPECTION.

13) ALL AREAS DISTURBED THROUGH THE CONSTRUCTION PROCESS NOT OTHERWISE IMPROVED WITH IMPERVIOUS SURFACING SHALL RECEIVE 4 INCHES OF TOPSOIL MEETING THE CITIES SPECIFICATIONS (NO MORE THAN 35% SAND CONTENT)

14) IRRIGATION SYSTEM(S) MUST BE EQUIPED WITH A RAIN SENSOR AND SOME FORM OF WATER EFFICIENT TECHNOLOGY, SUCH AS A WEATHER COMPENSATING SMART CONTROLLER

15) SPECIES SUBSTITUTIONS REQUIRE APPROVAL OF CITYPRIOR TO INSTALLATION, CHANGING OF SPECIES MAY REQUIRE THAT MORE TREE NEED BE PLANTED DUE CHOOSEN SPECIES NOT MATCH PROPOSED SQUARE FOOTAGE OF PROPOSED TREE



1 TYPICAL TREE PLANTING DETAIL
NOT TO SCALE

Kinghorn CONSTRUCTION

0 50' 100'
Scale: 1"=50'

DRAWN BY MK
CHECKED BY
DATE 07/29/2024

REVISIONS

BY	NO.	DATE	COMMENTS

I herby certify that this plan, plan set, specification or report was prepared by me or under my direct supervision and that I am duly registered Landscape Architect under the laws of the State of Minnesota

PRELIMINARY NOT FOR CONSTRUCTION

Name Date: 07/29/2024 Reg# ----

KLEIN-NORBY
LANDSCAPE & SITE DESIGN
1235 129th Ave NW
Minneapolis, MN 55448
www.norbylandscape.com

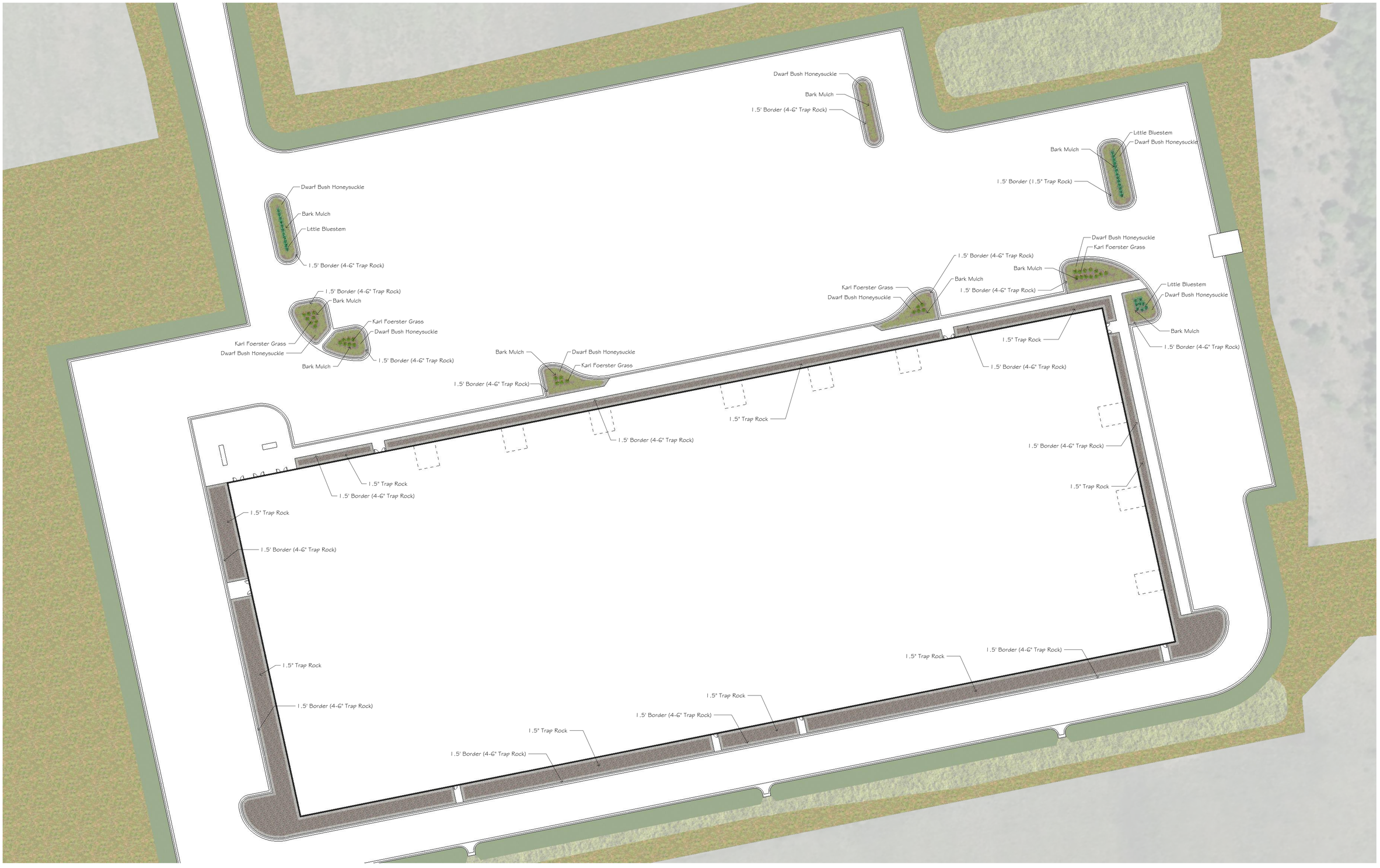
PROJECT # RAMSEY MN

ARAA

ATHLETIC FACILITY

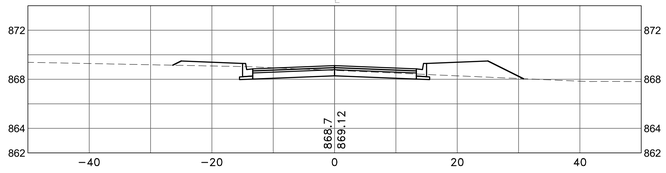
PRELIMINARY LANDSCAPE PLAN

FILE # L1 2

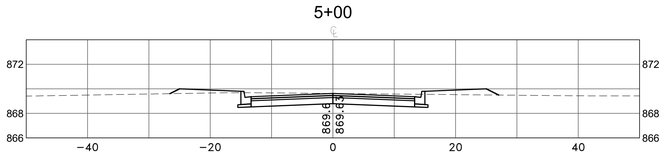


0 20' 40' Scale: 1"=20'	DRAWN BY MK CHECKED BY DATE 07/29/2024	REVISIONS BY NO. DATE COMMENTS	© THIS PLAN SET AND THE CONCEPTS REPRESENTED HEREIN ARE THE PROPERTY OF KLEIN-NORBY LANDSCAPE & SITE DESIGN. CHANGES TO OR USE OF THIS PLAN SHALL REQUIRE PRIOR WRITTEN APPROVAL BY KLEIN-NORBY LANDSCAPE & SITE DESIGN	I herby certify that this plan, plan set, specification or report was prepaired by me or under my direct supervision and that I am duly registered Landscape Architect under the laws of the State of Minnesota. PRELIMINARY NOT FOR CONSTRUCTION Name Date: 07/29/2024 Reg# ----	KLEIN-NORBY LANDSCAPE & SITE DESIGN 1235 129th Ave NW Minneapolis, MN 55448 www.norbylandscape.com	PROJECT # RAMSEY MN	ARAA ATHLETIC FACILITY PRELIMINARY LANDSCAPE PLAN	FILE # L2 2

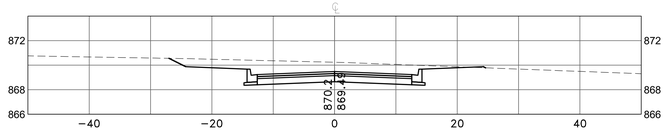
3+00



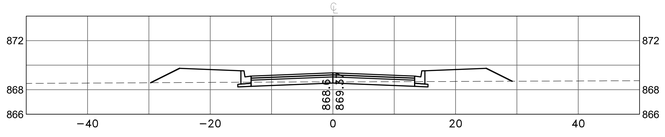
5+00



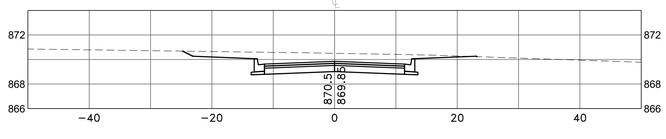
2+50



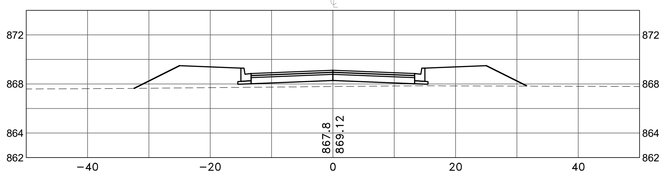
4+50



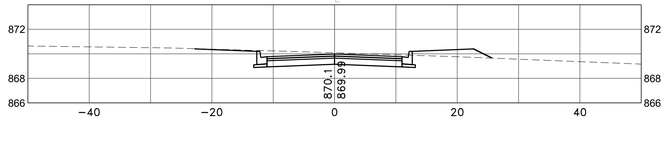
2+00



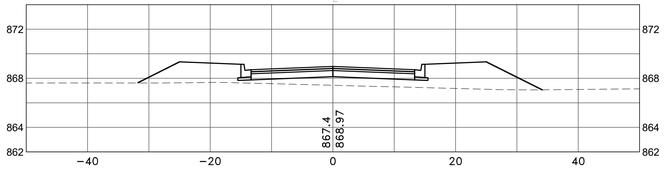
4+00



1+82



3+50



Kinghorn CONSTRUCTION

DATE	REVISION	DATE	REVISION

DESIGNED BY: TAE
DRAWN BY: TAE
CHECKED BY: CJJ

Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520
www.hakanson-anderson.com

ANOKA RAMSEY ATHLETIC ASSOCIATION

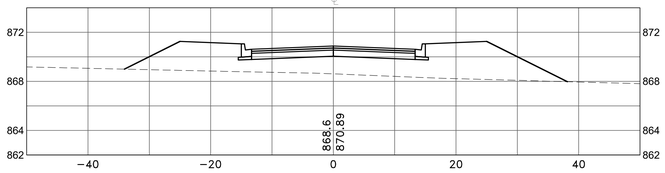
CROSS SECTIONS

ENTRANCE ROAD
CITY OF RAMSEY, MINNESOTA

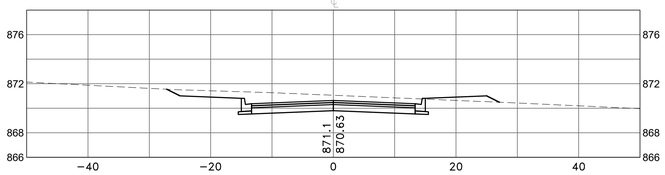
SHEET X1 OF X2 SHEETS

3395.24

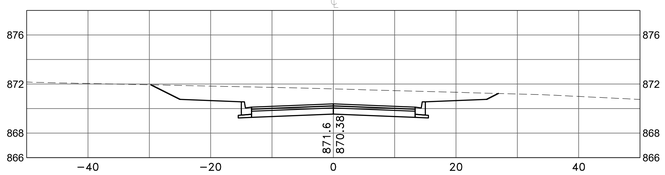
7+50



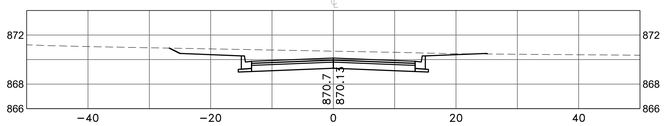
7+00



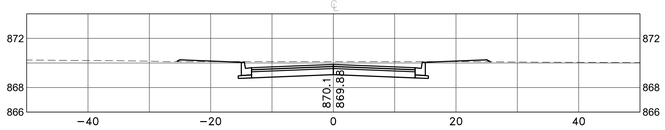
6+50



6+00



5+50



Kinghorn CONSTRUCTION

DATE	REVISION	DATE	REVISION

DESIGNED BY: TAE
DRAWN BY: TAE
CHECKED BY: CJJ

Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520
www.hakanson-anderson.com

ANOKA RAMSEY ATHLETIC ASSOCIATION

CROSS SECTIONS

ENTRANCE ROAD
CITY OF RAMSEY, MINNESOTA

SHEET X2 OF X2 SHEETS

3395.24

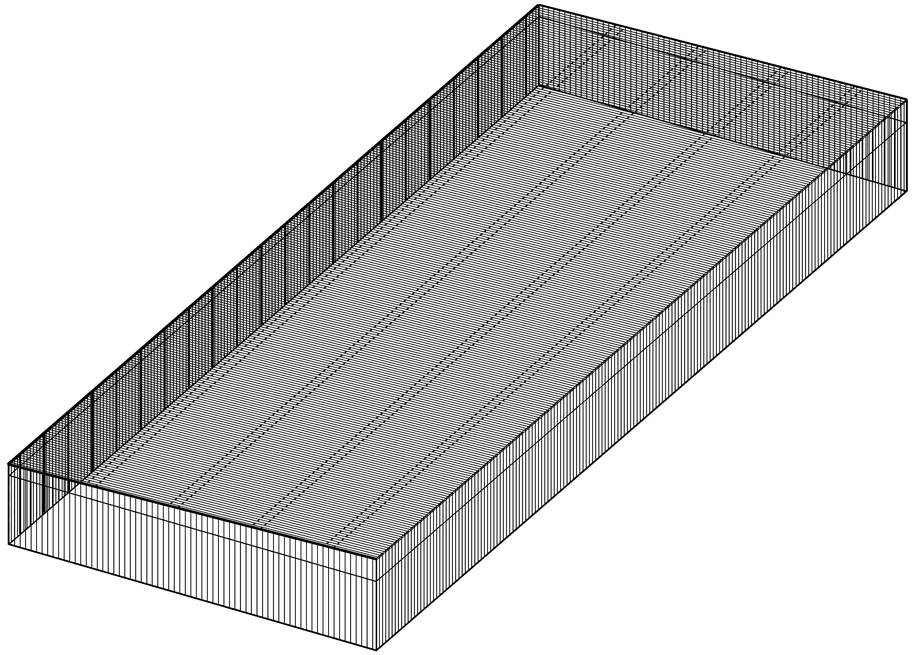
Butler Manufacturing
a division of BlueScope Buildings North America Inc.

DRAWING INDEX

DRAWING RELEASE HISTORY

TYPE	DATE	DESCRIPTION

BASIC BUILDING INSTALLATION GUIDE 3586
MR-24 ROOF INSTALLATION GUIDE 4797
SHADOWALL INSTALLATION GUIDE 5176
ROOF OWNERS MAINTENANCE 5038



GENERAL NOTES

MATERIALS

	ASTM DESIGNATION	
3 PLATE WELDED SECTIONS	A529, A572, A1011, A1018	GRADE 55
COLD FORMED LIGHT GAGE SHAPES	A653, A1011	GRADE 60
BRACE RODS	A572, A510	GRADE 50
HOT ROLLED MILL SHAPES	A36, A529, A572, A588, A992	GRADE 36 OR 50
HOT ROLLED ANGLES	A529, A572, A588, A992	GRADE 50
HOLLOW STRUCTURAL SECTION (HSS)	A500	GRADE B
CLADDING	A653, A792	GRADE 50 OR GRADE 80

HIGH STRENGTH BOLT TIGHTENING REQUIREMENTS

IT IS THE RESPONSIBILITY OF THE ERECTOR TO ENSURE PROPER BOLT TIGHTNESS IN ACCORDANCE WITH APPLICABLE REGULATIONS. SEE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS FOR MORE INFORMATION. SEE ERECTION GUIDE FOR BOLT TIGHTENING INSTRUCTIONS. THE FOLLOWING CRITERIA MAY BE USED TO DETERMINE THE BOLT TIGHTNESS (I.E.-SNUG TIGHT OR PRE-TENSION) UNLESS REQUIRED OTHERWISE BY LOCAL JURISDICTION OR CONTRACT.

ALL A490 BOLTS SHALL BE "PRE-TENSIONED". A325 BOLTS IN PRIMARY FRAMING AND BRACING CONNECTIONS MAY BE "SNUG-TIGHT" EXCEPT AS FOLLOWS;

PRE-TENSION A325 BOLTS IF BUILDING SUPPORTS A CRANE GREATER THAN 5 TON CAPACITY.

PRE-TENSION A325 BOLTS IF BUILDING SUPPORTS MACHINERY THAT CREATES VIBRATION, IMPACT, OR STRESS REVERSALS ON CONNECTIONS.

PRE-TENSION A325 BOLTS IF LOCATED IN HIGH SEISMIC AREAS. FOR IBC BASED CODES; HIGH SEISMIC IS DESIGN CATEGORY D, E OR F. SEE CODES AND LOADS SECTION BELOW FOR DETAILS.

PRE-TENSION ANY CONNECTION WITH DESIGNATION A325-SC. SLIP CRITICAL (SC) CONNECTIONS MUST BE FREE OF PAINT, OIL OR OTHER MATERIALS THAT REDUCE FRICTION AT CONTACT SURFACES. GALVANIZED OR LIGHTLY RUSTED SURFACES ARE ACCEPTABLE.

IN CANADA, ALL A325 AND A490 BOLTS SHALL BE "PRE-TENSIONED", EXCEPT FOR SECONDARY MEMBERS AND FLANGE BRACES.

SECONDARY MEMBERS AND FLANGE BRACE CONNECTIONS ARE ALWAYS "SNUG TIGHT", UNLESS INDICATED OTHERWISE IN ERECTION DRAWING DETAILS.

INSPECTION AND TESTING

SPECIAL INSPECTIONS AND TESTING REQUIRED BY AUTHORITY HAVING JURISDICTION (AHJ) DURING CONSTRUCTION AND/OR STEEL FABRICATION IS THE RESPONSIBILITY OF THE OWNER OR OWNERS AUTHORIZED AGENT. WHEN REQUIRED, THE OWNER SHALL EMPLOY A QUALITY ASSURANCE AGENCY (QAA) APPROVED BY THE AHJ. THE BUILDER IS RESPONSIBLE TO COORDINATE BETWEEN THE QAA FIRM AND BBNA FABRICATION FACILITIES. THE TYPE AND EXTENT OF SPECIAL INSPECTIONS AND NDT WELD TESTING MUST BE SPECIFICALLY STIPULATED IN CONTRACT DOCUMENTS OR BBNA WILL ASSUME SPECIAL INSPECTIONS AND/OR NDT TESTING ARE WAIVED AS PERMITTED BY THE BUILDING CODE BASED ON BBNA FACILITIES IAS AC472 ACCREDITATION.

D

BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

COVER SHEET

BUILDER: ARAA Athletic Facility
CUSTOMER:
LOCATION: Ramsey, Minnesota
PROJECT: Athletic Training Facility
BUILDER'S PO#:

Butler Manufacturing
VPC VERSION: ADVNXT 6.8

JOB #:
DATE: 12/6/2024
DRAWN/CHECK: /
PAGE:

Codes and Loads
WHEN MULTIPLE BUILDINGS ARE INVOLVED, SPECIFIC LOAD FACTORS FOR DIFFERING OCCUPANCIES, BUILDING DIMENSIONS, HEIGHTS, FRAMING SYSTEMS, ROOF SLOPES, ETC., MAY RESULT IN DIFFERENT LOAD APPLICATION FACTORS THAN INDICATED BELOW. SEE CALCULATIONS FOR FURTHER DETAILS. WIND LOADS ARE APPLIED TO OVERALL BUILDING ENVELOPE. COMMON WALLS BETWEEN CONNECTED SHAPES ARE NOT SUBJECT TO EXTERNAL WIND LOADS.

City: Ramsey | County: Anoka | State: Minnesota | Country: United States

Building Code
Building Code: Minnesota State Building Code - 2020 Edition
Structural: 16AISC - ASD
Rainfall: I: 6.00 inches per hour
Based on Building Code: 2020 Minnesota State Building Code
Cold Form: 16AISI - ASD
f'c: 3000.00 psi Concrete
Building Risk/Occupancy Category: III (Hazardous / Special Occupancy)

Dead and Collateral Loads
Collateral Gravity: 12.00 psf
Collateral Uplift: 0.00 psf

Material Dead Weight
Roof Covering + Second. Dead Load: 3.41 psf
Frame Weight (assumed for seismic):0.00 psf - USR

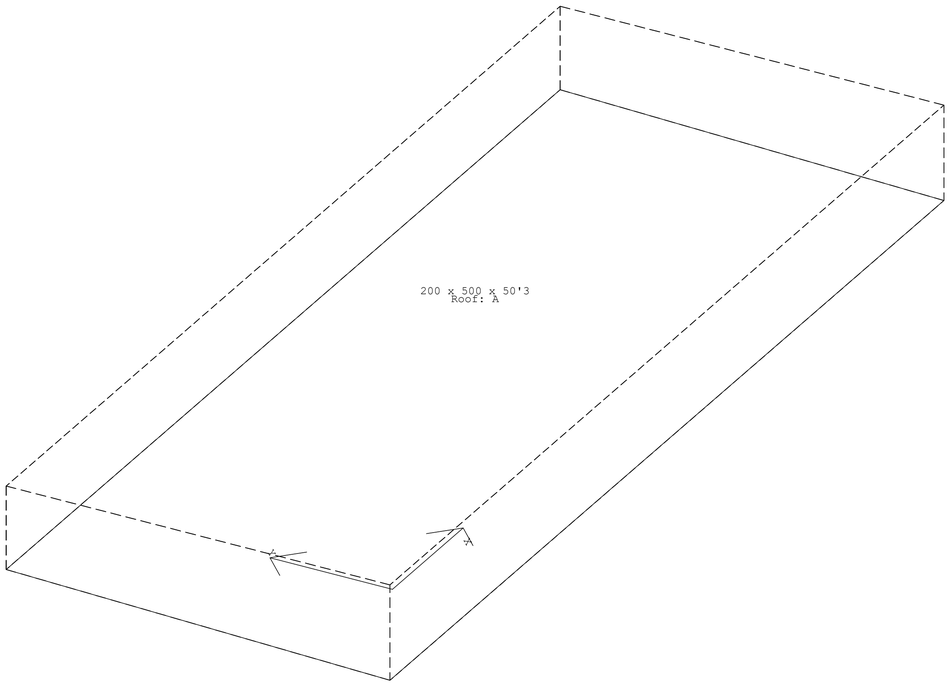
Roof Live Load
Roof Live Load: 20.00 psf Reducible

Wind Load
Wind Speed: Vult: 117.00 (Vasd: 90.63) mph
The 'Envelope Procedure' is Used
Primaries Wind Exposure: C - Kz: 1.062
Parts Wind Exposure Factor: 1.062
Wind Enclosure: Enclosed
Topographic Factor: Kzt: 1.0000
Ground Elevation Factor: Ke: 0.9679

NOT Windborne Debris Region
Base Elevation: 0/0/0
Site Elevation: 900.0 ft
Primary Zone Strip Width: 2a: 34/9/6
Parts / Portions Zone Strip Width:
Walls, a: 17/4/11
Roof(s), 0.6h: 26/1/1
Velocity Pressure: qz: 30.62, (C&C) 30.62 psf

Snow Load
Ground Snow Load: pg: 50.00 psf
Flat Roof Snow: pf: 38.50 psf
Design Snow (Sloped): ps: 38.50 psf
Rain Surcharge: 0.00 psf
Specified Minimum Roof Snow: 22.00 psf (Code)
Exposure Factor: 2 Partially Exposed - Ce: 1.00
Snow Importance: Is: 1.100
Thermal Factor: Heated - Ct: 1.00
Ground / Roof Conversion: 0.70
Obstructed or Not Slippery

Seismic Load
N/A



D

BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

CODES AND LOADS

REV:	DATE:	BY:	DESCRIPTION:

DRAWING SCALE: NTS

BUILDER: ARAA Athletic Facility
CUSTOMER:
LOCATION: Ramsey, Minnesota
PROJECT: Athletic Training Facility
BUILDER'S PO#:

Butler Manufacturing
VPC VERSION: ADVNXT 6.8

JOB #:
DATE: 12/6/2024
DRAWN/CHECK: /
PAGE:

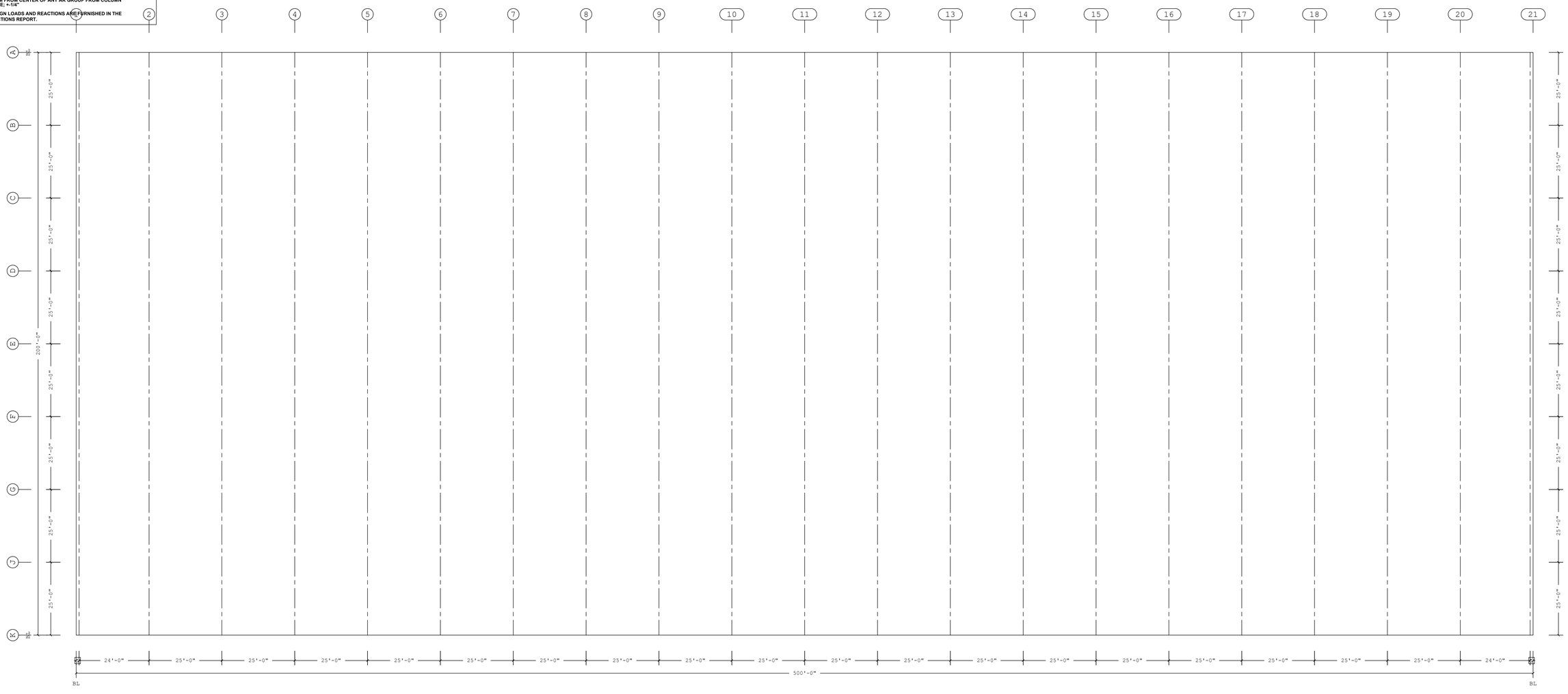
1. ANCHOR RODS, NUTS, HARDENED WASHERS AND ANY OTHER EMBEDDED ITEMS ARE TO BE FURNISHED BY CONTRACTOR.

2. ANCHOR ROD DIAMETERS WERE DETERMINED BY ALLOWABLE SHEAR AND TENSION PER AISC SPECIFICATIONS (FY=36KSI). (ASTM F1554 GRADE 36) ANCHOR ROD LENGTH, EFFECTS OF EMBEDDED ANCHOR ROD EDGE DIMENSIONS AND METHOD OF TRANSFERRING FORCES FROM ANCHOR RODS TO FOOTINGS ARE TO BE DETERMINED BY OTHERS.

3. UNLESS OTHERWISE SPECIFIED, ANCHOR RODS ARE DESIGNED AND DETAILED AS "CAST-IN-PLACE" ANCHOR RODS WITH "SNUG TIGHT" CONNECTIONS.

4. FOUNDATION MUST BE LEVEL, SQUARE AND SMOOTH. ANCHOR RODS MUST BE ACCURATELY PLACED AS SHOWN ON THIS DRAWING OR STEEL WILL NOT FIT. THE BUILDER IS RESPONSIBLE FOR ACCURATE SETTING OF ANCHOR RODS PER AISC CODE OF STANDARD PRACTICE, SEC 7.5 VARIATIONS ARE SUMMARIZED BELOW;
   a. CENTERS OF ANY TWO AR'S WITHIN A COLUMN BASE GROUP; +-1/8"
   b. CENTERS OF ADJACENT AR GROUPS; +-1/4"
   c. TOPS OF AR'S; +-1/2"
   d. ACCUMULATED DIM BETWEEN CENTERS OF AR GROUPS ALONG COLUMN LINE; +-1/4" PER 100FT., NOT TO EXCEED 1" TOTAL.
   e. DIM FROM CENTER OF ANY AR GROUP FROM COLUMN LINE; +-1/4"

5. DESIGN LOADS AND REACTIONS ARE FURNISHED IN THE REACTIONS REPORT.



ANCHOR ROD PLAN

Edge of Slab needs to be adjusted to accommodate the 2 1/2" eWall Stanchion ledge
See Detail : TYPICAL COLUMN BASE PLATE DETAIL AT 2 1/2" LEDGE

1 1'-0"
Dimension Key

Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

<*> THE BUILDING IS DESIGNED WITH BRACING DIAGONALS IN THE DESIGNATED BAYS. COLUMN BASE REACTIONS, BASE PLATES AND ANCHOR RODS ARE AFFECTED BY THIS BRACING AND DIAGONALS MAY NOT BE RELOCATED WITHOUT CONSULTING THE BUILDING SUPPLIERS ENGINEER.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

D

BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

ANCHOR ROD PLAN

REV:	DATE:	BY:	DESCRIPTION:

DRAWING SCALE: NTS

BUILDER: ARAA Athletic Facility
CUSTOMER:
LOCATION: Ramsey, Minnesota
PROJECT: Athletic Training Facility
BUILDER'S PO#:

Butler Manufacturing
VPC VERSION: ADVNXT 6.8

JOB #:
DATE: 12/6/2024
DRAWN/CHECK: /
PAGE:

BUILDER/CONTRACTOR RESPONSIBILITIES

Butler Mfg. follows the guidelines as outlined in the AISC and MBMA Codes of Standard Practice. Butler Mfg. standard product specifications, design, fabrication, quality criteria shall govern all work unless stipulated otherwise in the contract documents. In case of discrepancies between Butler Mfg. structural plans and plans for other trades, Butler Mfg. structural plans shall govern.

It is the responsibility of the Builder to obtain approvals and permits from all governing agencies and jurisdictions as required. Approval of Butler Mfg drawings constitutes the builders acceptance of Butler interpretation of the contract purchase order. Unless specific design criteria concerning interface design and details are furnished as part of the contract, Butler Mfg. design assumptions shall govern.

Butler engineers are not Project Engineers or Engineer of Record for the overall project. Butler engineering supply sealed engineering design data and drawings for Butler supplied material as part of the overall project for use by others to obtain permits, approvals, and coordinate with other trades. All interface and/or compatibility of any materials not furnished by Butler are to be considered and coordinated by the builder or A/E firm.

CONSTRUCTION & ERECTION RESPONSIBILITY

The Builder is responsible for construction in strict accordance with Butler Mfg. "FOR CONSTRUCTION" drawings and all applicable product installation guides. Butler is not responsible for work done from any other Butler drawings that are not marked "FOR CONSTRUCTION", nor any drawings prepared by others.

As erected field assemblies of members shall be as specified in MBMA Code of Standard Practice (in Canada – CSA S16), which require L/500 tolerance of installed members. Occasional field work including shimming, cutting, coping, and drilling for final fit–up are considered part of erection. Specified field work and field welding conditions indicated on these drawings shall also be included in the erectors scope of work. See Erection Guide for shimming procedure. For building with top riding bridge cranes see Crane Data drawing for column plumb tolerance.

The building erector shall be properly licensed and experienced in erecting metal building systems. The Builder is responsible for having knowledge of, and shall comply with, all OSHA requirements and all other governing site safety criteria. The builder is responsible for designing, supplying, locating and installing temporary supports and bracing during erection of the building. Butler bracing is designed for code required loads after building completion and shall not be considered as adequate erection bracing. See Erection Guide.

Shimming of steel buildings during erection may be required to accomodate allowable tolerances during fabrication and erection. Special care should be taken by the building erector to shim connections where key dimensions must be maintained for building performance as even small tolerances can have a significant impact on critical dimensions such as height, clearances and plumbness, especially as the size of the member or building increases. Conditions where shimming should be expected can include but are not limited to large door openings, critical clear height requirements, cranes, buildings greater than 45 feet in height, clear spans greater than 125 feet and adjacent frames with different characteristics (like clear span frames adjacent to an endwall or modular frame). Shims are normally provided by the erector, but may be ordered upon request by contacting your Project Manager.

EXISTING STRUCTURES

Butler must be advised of any structure that is within 20 ft. of Butler's building. Load effects from snow drifting, wind effects, and seismic separation must be considered for both the new and existing structures. Butler has designed the new Butler building for these effects. The owner/builder are responsible for employing a Professional Engineer to review and verify the existing structure for all load effects from the adjacent Butler building.

BRACING

Tension brace rods work in pairs to balance forces caused by initial tensioning. Care must be taken while tightening brace rods so as not to cause accidental or misalignment of components. All rods must be installed loose and then tightened. Rods should not exhibit excessive sag. For long or heavy rods, or angles it may be necessary to support the rods at mid–bay by suspending them from secondary members.

Bracing for seismic or wind loading of objects or equipment that are not a part of the Butler structure must be designed by a qualified professional to deliver lateral loads to primary frames and rod bracing struts. Equipment bracing and suspension connections must not impose torsion or minor axis loads, or cause local distortion in any Butler components. Butler accepts no responsibility for design or installation of bracing systems not furnished by Butler.

FIELD WELDING

All field welding shall be done at the direction of a design professional, and done in accordance with governing requirements (AWS in USA, CWB in Canada) by welders qualified to perform the welding as directed by the applicable welding procedure specification (WPS). A WPS shall be prepared by the contractor for each welding variation specified. The contractor is responsible for any special welding inspection as required by local jurisdiction. Filler metal shall be 70 ksi (480 MPa) tensile strength. For welds in high seismic force resisting system (Seismic Cat D, E or F), minimum Charpy V–Notch toughness shall meet AISC–341 criteria (20 ft–lbs min @ 0Deg F). Interpass temperatures shall not exceed 450Deg F (230Deg C).

SIGNAGE

The Builder is responsible for furnishing signs as required by Code and the Building Department, including but not limited to, exits, occupancy limits, floor loading limits, and bulk storage limits. Floor loading signs shall clearly indicate maximum floor live load permitted.
Bulk storage facilities shall have signs clearly posted on all loaded walls indicating the type of commodity stored and the maximum storage height. Signs shall be clearly visible when building is fully loaded to design level. Overloading of floors or walls may result in failure.

DELIVERIES

It is the responsibility of the builder to have adequate equipment available at the job site to unload trucks in a safe and timely manner. The Builder will be responsible for all retention charges from carriers as a result of job site unloading delays.

Claims for damage or shorts MUST be noted on the Bill–of–Lading or delivery receipt and filed against the carrier by the consignee as per Butler's Terms of Sales (F.O.B. Plant) under the Uniform Commercial Code. It is critical that damages or shorts be noted on the Bill–of–Lading or you have little recourse with the carrier. Immediately upon delivery of material, material quantities are verified by the Builder against quantities billed on the shipping document. Neither the Manufacturer nor the carrier is responsible for material shortages against quantities billed on the shipping document if such shortages are not noted on the shipping documents upon delivery of material and acknowledged by the carriers agent. For materials concealed in bundles, boxes, or crates, shortages must be reported immediately upon unpacking. Should products get wet, bundled and crated materials must be unpacked and unbundled immediately to provide drainage of trapped moisture. See Erection Guide for proper job site storage procedure.

SEALANTS

Sealants shall be applied in strict accordance with Butler details or weather tightness will be compromised. Sealant must be applied in temperatures and weather conditions consistent with labeling.

INDEPENDENT MEZZANINES

Independent mezzanines must be designed by a professional engineer. The engineer must ensure that proper isolation from the Butler building has been provided to avoid structural damage due to differential movements, or inadvertently apply loads to the Butler structure. Butler accepts no responsibility for the design of the independent mezzanine.

FIRE CODE COMPLIANCE

It is the responsibility of the project design professional and builder to comply with local fire code regulations including consideration of, but not limited to, building use and occupancy, all building construction materials, separation requirements, egress requirements, fire protection systems, etc. Builder shall advise Butler of any special requirements to be furnished by Butler.

FIELD MODIFICATIONS

Modifications to this building from details and instructions contained on these drawings must be approved in writing by Butler Mfg. engineers, or other licensed structural engineer. This includes, but is not limited to, removal of roof or wall cladding, removing or moving any flange braces or rod braces, cutting of openings for doors, windows or RTU's, correction of fabrication errors, etc. The owner shall not impose loads to this structure beyond what is specified for this building in the contract documents. Butler Mfg. accepts no responsibility for the consequences of any unauthorized additions, alterations, or added loads to this structure.

If the builder intends to invoice Butler Mfg. for modifications in excess of $1000, The builder must notify Butler Mfg. immediately, and obtain a Work Authorization from Butler Mfg prior to proceeding. All final claims must be submitted to Butler Mfg with all supporting documentation within 30 days of the building completion. Claims submitted without work authorizations, or after 30 days will not be accepted. Correction of minor misfits, shimming and plumbing, moderate amount of reaming, drilling, chipping / cutting and minor welding are considered by Code of Standard Practice to be part of erection are not subject to claim reimbursement.

CONCRETE/MASONRY/CONVENTIONAL STUD WALLS

The engineer responsible for the design of the wall system is responsible for coordinating with, or specifying to Butler Mfg, any wall to steel compatibility issues such as drift and deflection compatibility, special base details, and wall to Butler steel connections. All fasteners, sealant and counter flashing of wall systems are to be provided by contractor. The engineer responsible for the wall shall design the anchorage to Butler supporting elements consistent with Code required forces.

PANELS

Oil canning is an inherent characteristic of cold formed steel panels. It is the result of several factors that include induced stresses in the raw material delivered to Butler, fabrication methods, installation procedures, and post installation thermal forces. Thru fastened panels will exhibit some dimpling when installed, especially when insulation is installed between panels and secondary supports. Dimpling can be minimized by careful installation, taking care not to over drive fasteners.

Roof rumble is a phenomenon that is caused by wind gusts lifting up on the roof panels and then springing back into place. All panels experience this action to some degree, especially with concealed clip Standing Seam panels. Roof rumble noise may be minimized by providing a layer of blanket insulation between the panels and any hard support surface such as steel secondary members, substrates such as plywood, steel decking, or rigid board insulation. A minimum of 3 inch thick blanket is recommended over steel secondary members, or 2 inch over substrates.

Oil canning, dimpling, and roof rumble do not affect the structural integrity or weather tightness of the panels and is not grounds for rejection of panels.

The Standing Seam joint detail is designed with an interlocking feature for ease of installation. However, it is imperative that installed Standing Seam panels be secured to the secondary structural members and properly seamed prior to departure from the job site each day.

SKYLIGHTS

Local building departments may require added fall restraint due to conditions that may affect the skylight structural integrity. It is the responsibility of the builder to determine and provide any added fall restraint under the skylight as may be required by your building department.

RAIN WATER RUNOFF

Drainage systems must be designed by the project professional to comply with code requirements. Butler is not responsible for drainage designs, overflow scuppers, down piping, etc. The project professional and contractor are responsible to ensure that primary drains and overflow devices such as scuppers and auxiliary drains are provided as required for the required rain intensity at the building perimeter and at valley conditions to prevent ponding.

STEEL SHOP COAT

The purpose of Butler's shop coat is to provide protection for the steel members during transportation, during temporary job site storage and during erection. Standard shop formulation is not designed to perform as a finish coat when exposed to environmental conditions. Members shall be kept free of the ground and properly drained during job site storage. It is the Builder's responsibility to ensure that if a finish coat is being applied over Butler shop coat that the painting contractor verifies compatibility between his finish coat and Butler's shop coat.

BUTLER MFG. ACCREDITATIONS AND APPROVALS

Fabricator Approvals

IAS AC472 Approvals: (www.iasonline.org/services/metal–building–inspection)
Listed under BlueScope Buildings North America, Inc.
City of Los Angeles, CA #FB00031; City of Houston, TX 767;
City of Phoenix, AZ C19–02008; Clark County, NV 43 & 833, San Bernardino County, CA 289, State of Utah, City of Richmond, Ca.

Design Approvals

IAS AC472 Approvals: (www.iasonline.org/services/metal–building–inspection)
Listed under Butler Manufacturing, a Division of BlueScope Buildings North America, Inc.

Canadian CSA A660 Certifications

(www.cwbgroup.org)
Listed under BlueScope Buildings North America, Inc.

Engineering Certifications of Authorization

USA––AL#CA–5589–E; AZ#22225–0; AR#576; FL#30427; GA#PEF007551; ID#C–2470; IL#184–002649; KS#E–29; KY#4490; LA#EF6722; MS#E–0592; MO#E–2010007736; NC#F–0998; ND#1579PE; NJ#24GA28318800; NV#20437; OH#05898; OK#CA4170PE; RI#8838; SC#6206; SD#C–1787; TX#F4828; VA#0411001520; VA#0411001518; WA#4119; WV#CO3059–00
CAN––AB#P08900; NB#F0951; NL#D0044; NS#30123; NT#P062; ON#100148796; and YT#PP134

D

BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

REV:	DATE:	BY:	DESCRIPTION:

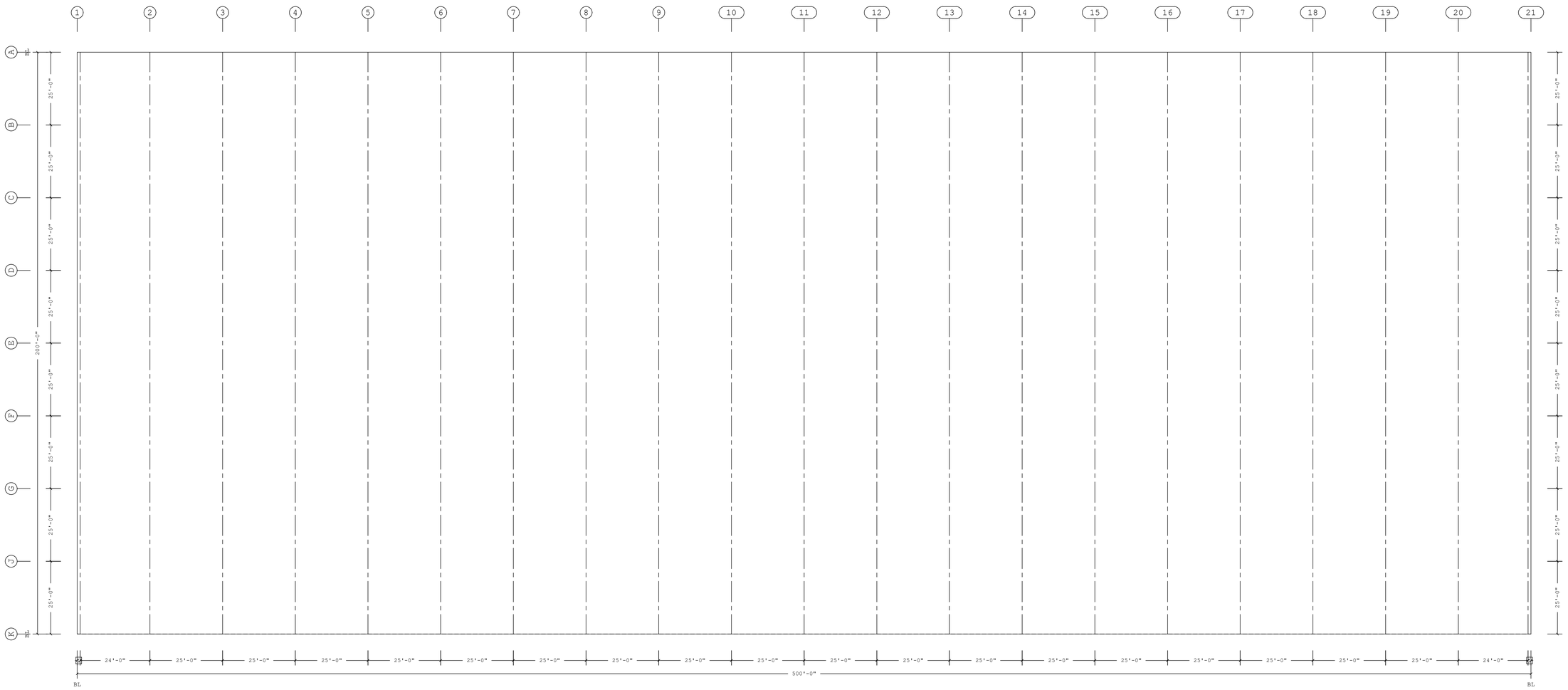
DRAWING SCALE: NTS

ERECTION NOTES

BUILDER: ARAA Athletic Facility
CUSTOMER:
LOCATION: Ramsey, Minnesota
PROJECT: Athletic Training Facility
BUILDER'S PO#:

Butler Manufacturing
VPC VERSION: ADVNXT 6.8

JOB #:
DATE: 12/6/2024
DRAWN/CHECK: /
PAGE:



PRIMARY AND ROOF BRACING PLAN

1 1'-0"

Dimension Key

Shape Name = 200 x 500 x 50'3

1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

D

BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

REV:	DATE:	BY:	DESCRIPTION:

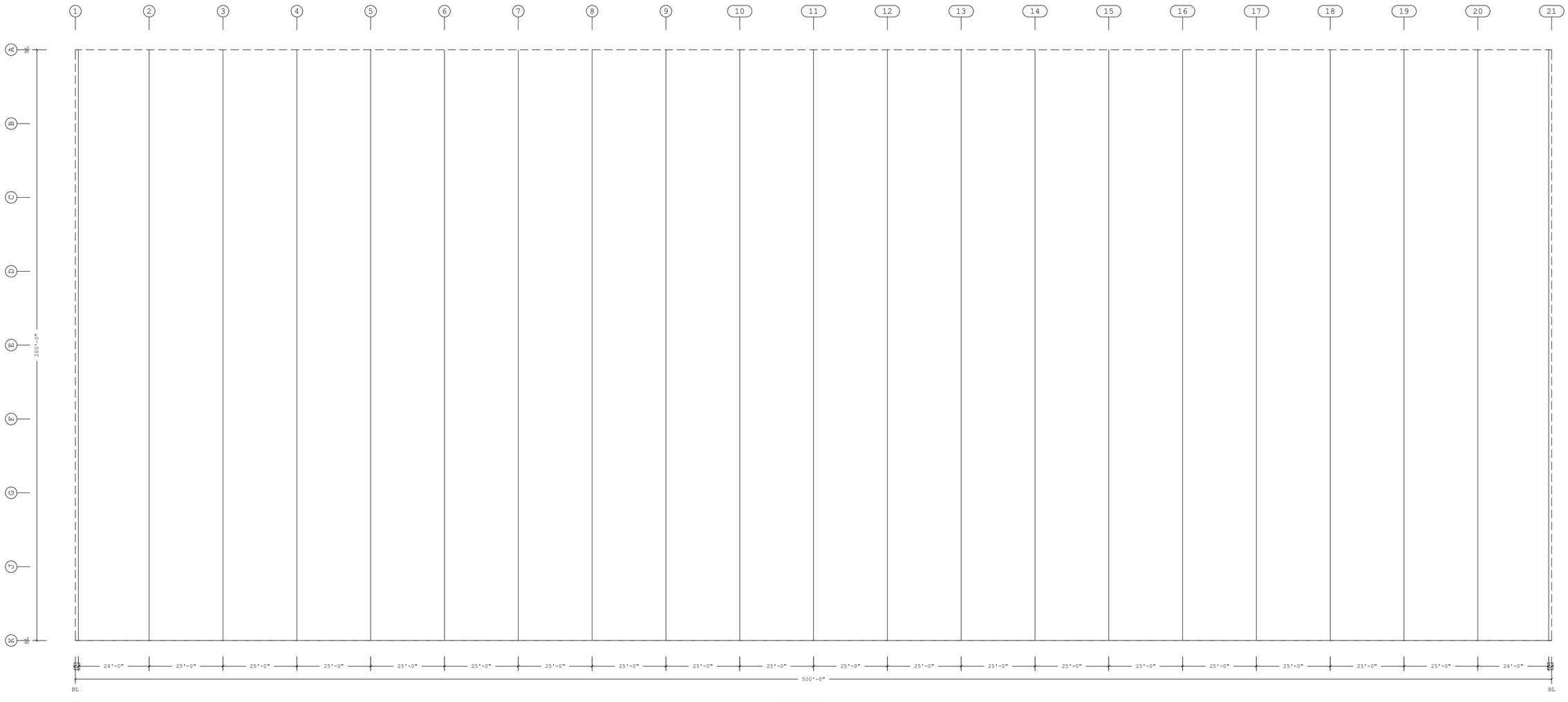
DRAWING SCALE: NTS

PRIMARY AND ROOF BRACING PLAN

BUILDER: ARAA Athletic Facility
CUSTOMER:
LOCATION: Ramsey, Minnesota
PROJECT: Athletic Training Facility
BUILDER'S PO#:

Butler Manufacturing
VPC VERSION: ADVNXT 6.8

JOB #:
DATE: 12/6/2024
DRAWN/CHECK: /
PAGE:



ROOF SECONDARY PLAN

1 1'-0"
Dimension Key

Shape Name = 200 x 500 x 50'3

1. UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
2. FLANGE BRACES ARE AN INTEGRAL PART OF THE STABILITY OF THE STRUCTURAL SYSTEM AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS.
3. REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

D

BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

REV:	DATE:	BY:	DESCRIPTION:

DRAWING SCALE: NTS

ROOF SECONDARY PLAN

BUILDER: ARAA Athletic Facility
CUSTOMER:
LOCATION: Ramsey, Minnesota
PROJECT: Athletic Training Facility
BUILDER'S PO#:

Butler Manufacturing
VPC VERSION: ADVNXT 6.8

JOB #:
DATE: 12/6/2024
DRAWN/CHECK: /
PAGE:

Covering Schedule

Id	Qty	Start Length	Qty	Stagger Length	Type	Gage	OP	Fin.	Color	Direction
#9	125	42'-9 1/2"	125	47'-9 1/2"	MR24	24	13	Z	AZ	Right to Left
#10	250	45'-6"	250	45'-6"	MR24	24	10	Z	AZ	Right to Left
#11	125	40'-6"	125	40'-3"	MR24	24	10	Z	AZ	Right to Left
#12	125	29'-2 1/4"	125	24'-5 1/4"	MR24	24	11	Z	AZ	Right to Left

Oper. Code:13=SQ, NT
Oper. Code:10=SQ, NT
Oper. Code:11=SQ, SQ
Finish:Z=AlZn
Color:AZ=Plain AlZn

Trim Schedule

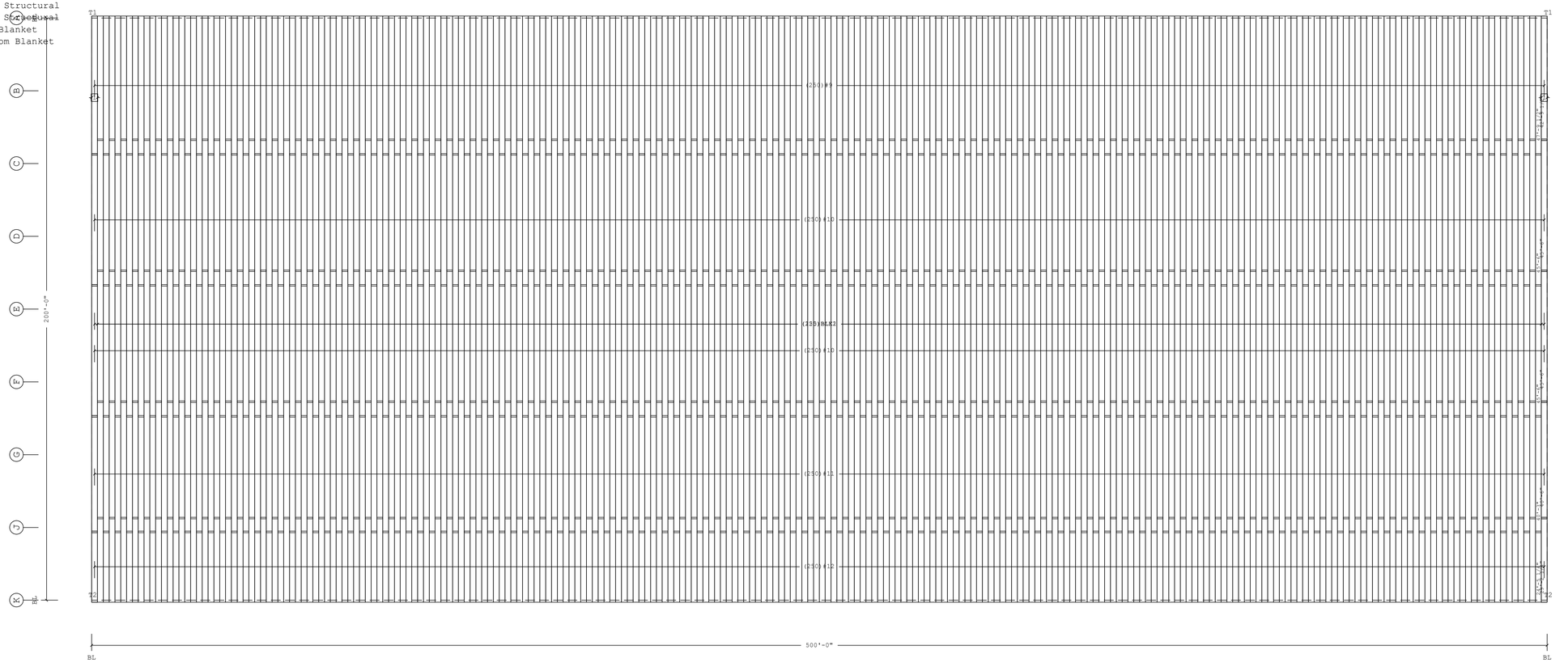
Id	Parts
T1	0630043
T2	0630043

Color	Details
Standard Color	
Standard Color	

Insulation Schedule (Install in same direction as Covering)

Id	Qty	Type	Start Run	Last Run	Thick.	Facing
BLK1	250	IU	202'-6"	202'-6"	9.00	UF
BLK2	125	IB	202'-6"	202'-6"	6.00	WM

Starter Width= 2'-0", Interm. Width= 2'-0", End Width= 2'-0"
Location =Outside Secondary Structural
Direction =Across Secondary Structural
Type:IU=TBS Fiberglass Top Blanket
Type:IB=TBS Fiberglass Bottom Blanket
Facing:UF=Unfaced
Facing:WM=WMP-50



ROOF COVERING PLAN

Planograph Schedule

Id	Details
T1	P-080572, P-081236, P-103223, P-104542, P-104714
T2	P-080572, P-104549

Shape Name = 200 x 500 x 50'3

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE's AND/OR FASTENERS TO STRUCTURAL BEAMS
2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.
3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING, SEE THE COVERING SCHEDULE FOR CUT LENGTHS.
4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

D

BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

ROOF COVERING PLAN

REV:	DATE:	BY:	DESCRIPTION:

DRAWING SCALE: NTS

BUILDER: ARAA Athletic Facility
CUSTOMER:
LOCATION: Ramsey, Minnesota
PROJECT: Athletic Training Facility
BUILDER'S PO#:

Butler Manufacturing
VPC VERSION: ADVNXT 6.8

JOB #:
DATE: 12/6/2024
DRAWN/CHECK: /
PAGE:

Covering Schedule

Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Increment	Direction
#1	67	SHU	6'-7 7/8"	26	3	K	SY	1 1/8"	Left to Right
#2	67	SHU	37'-7 5/8"	26	3	K	SY		Left to Right

Oper. Code:3=SQ, SQ
Finish:K=Butler-Cote
Color:SY=Cool Shell Gray

Trim Schedule

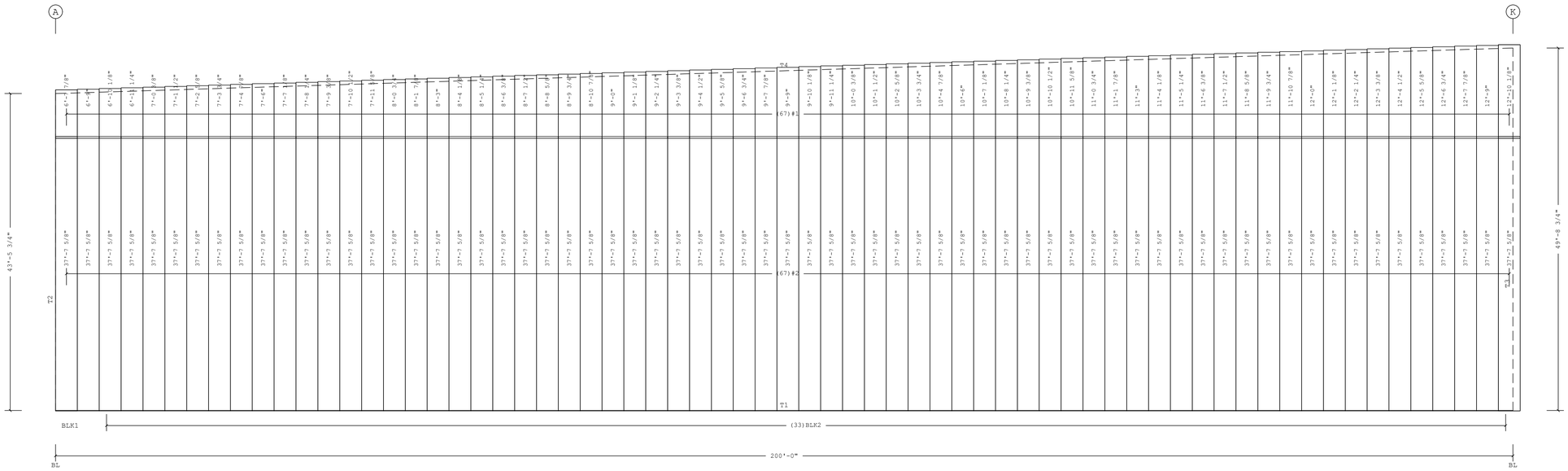
Id	Parts
T1	(8)BA225, (17)BT12A, (8)SBA225
T2	(4)ICT12, (4)SHCTB12
T3	(4.5)ICT12, (5)SHCTB12
T4	(10)MRGT20L, (17)SHCL12, (20)WA10C

Color	Details
Match Wall Color	ENB006, NV664, WCB082, WCB086, WCB602, WCB625, WCB626, WCB628, WCB790, WCB799, WCB800, WCR607, WSR066
Match Wall Color	WCB709, WCB711
Match Wall Color	WCB709, WCB711
Standard Color	MV822, PV167, RCB858, RCB859, RCB861, WCB718, WCB725

Insulation Schedule (Install in same direction as Covering)

Id	Qty	Type	Start Run	Last Run	Thick.	Facing	Increment
BLK1	1	IB	45'-0"		8.00	WM	
BLK2	33	IB	45'-0"	51'-0"	8.00	WM	2 1/4"

Starter Width= 4'-0", Interm. Width= 6'-0", End Width= 6'-0"
Location =Outside Secondary Structural
Direction =Across Secondary Structural
Type:IB=Fiberglass Blanket
Facing:WM=WMP-50
Shape Name = 200 x 500 x 50'3, Wall = 1



COVERING ELEVATION AT 1

Fastener Schedule

Part	Description
0097365-112	(T-3) #12-14 x 1 1/4", T-30 Torx Hd w/Washer
0096932	Scrubolt 3/8 x 1 1/4", Hex Hd w/Washer
0097364-112	(T-1) 1/4-14 x 3/4", T-30 Torx Hd w/Washer

Planograph Schedule

Id	Details
T1	P-081191, P-090151, P-090152, P-090157, P-090202, P-090203
T2	P-090145, P-090157
T3	P-090145, P-090157
T4	P-090151, P-090152, P-090156, P-GAI

Shape Name = 200 x 500 x 50'3, Wall = 1

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE's AND/OR FASTENERS TO STRUCTURAL BEAMS
2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.
3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING, SEE THE COVERING SCHEDULE FOR CUT LENGTHS.
4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

D

BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

REV:	DATE:	BY:	DESCRIPTION:

DRAWING SCALE: NTS

200 x 500 x 50'3-Covering at 1

BUILDER: ARAA Athletic Facility
CUSTOMER:
LOCATION: Ramsey, Minnesota
PROJECT: Athletic Training Facility
BUILDER'S PO#:

Butler Manufacturing
VPC VERSION: ADVNXT 6.8

JOB #:
DATE: 12/6/2024
DRAWN/CHECK: /
PAGE:

Covering Schedule

Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Increment	Direction
#5	67	SHU	12'-9 3/4"	26	3	K	SY	-1 1/8"	Left to Right
#6	67	SHU	37'-7 5/8"	26	3	K	SY		Left to Right

Oper. Code:3=SQ, SQ
Finish:K=Butler-Cote
Color:SY=Cool Shell Gray

Trim Schedule

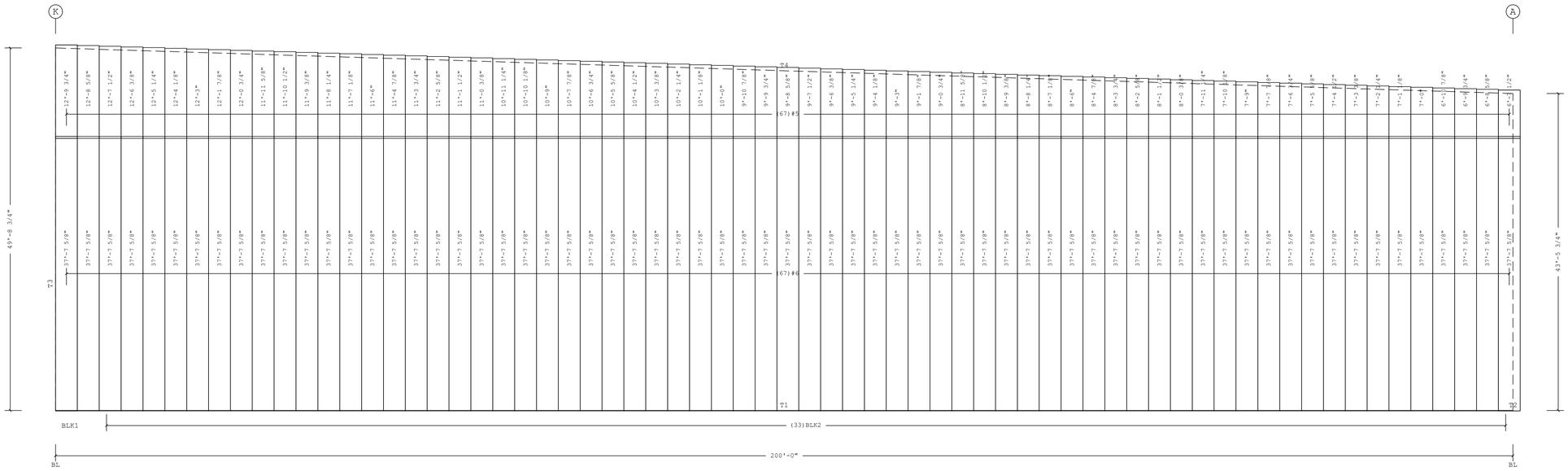
Id	Parts
T1	(8)BA225, (17)BT12A, (8)SBA225
T2	CTBEX2L, CTBEX2R
T3	(4.5)ICT12, (5)SHCTB12
T4	(10)MRGT20R, (17)SHCL12, (20)WA10C

Color	Details
Match Wall Color	ENB006, NV664, WCB082, WCB086, WCB602, WCB625, WCB626, WCB628, WCB790, WCB799, WCB800, WCR607, WSR066
Standard Color	WCB602, WCB790, WSR067
Match Wall Color	WCB709, WCB711
Standard Color	MV822, PV167, RCB858, RCB859, RCB861, WCB718, WCB725

Insulation Schedule (Install in same direction as Covering)

Id	Qty	Type	Start Run	Last Run	Thick.	Facing	Increment
BLK1	1	IB	51'-0"		8.00	WM	
BLK2	33	IB	51'-0"	45'-0"	8.00	WM	2 1/4"

Starter Width= 4'-0", Interm. Width= 6'-0", End Width= 6'-0"
Location =Outside Secondary Structural
Direction =Across Secondary Structural
Type:IB=Fiberglass Blanket
Facing:WM=WMP-50
Shape Name = 200 x 500 x 50'3, Wall = 3



COVERING ELEVATION AT 21

Fastener Schedule

Part	Description
0097365-112	(T-3) #12-14 x 1 1/4", T-30 Torx Hd w/Washer
0096932	Scrubolt 3/8 x 1 1/4", Hex Hd w/Washer
0097364-112	(T-1) 1/4-14 x 3/4", T-30 Torx Hd w/Washer

Planograph Schedule

Id	Details
T1	P-081191, P-090151, P-090152, P-090157, P-090202, P-090203
T2	
T3	P-090145, P-090157
T4	P-090151, P-090152, P-090156, P-GAI

Shape Name = 200 x 500 x 50'3, Wall = 3

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE's AND/OR FASTENERS TO STRUCTURAL BEAMS
2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.
3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING, SEE THE COVERING SCHEDULE FOR CUT LENGTHS.
4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

D

BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

REV:	DATE:	BY:	DESCRIPTION:

DRAWING SCALE: NTS

200 x 500 x 50'3-Covering at 21

BUILDER: ARAA Athletic Facility
CUSTOMER:
LOCATION: Ramsey, Minnesota
PROJECT: Athletic Training Facility
BUILDER'S PO#:

Butler Manufacturing
VPC VERSION: ADVNXT 6.8

JOB #:
DATE: 12/6/2024
DRAWN/CHECK: /
PAGE:

Covering Schedule

Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Direction
#3	167	SHU	6'-0 1/8"	26	3	K	SY	Left to Right
#4	167	SHU	37'-7 5/8"	26	3	K	SY	Left to Right

Oper. Code:3=SQ, SQ
Finish:K=Butler-Cote
Color:SY=Cool Shell Gray

Trim Schedule

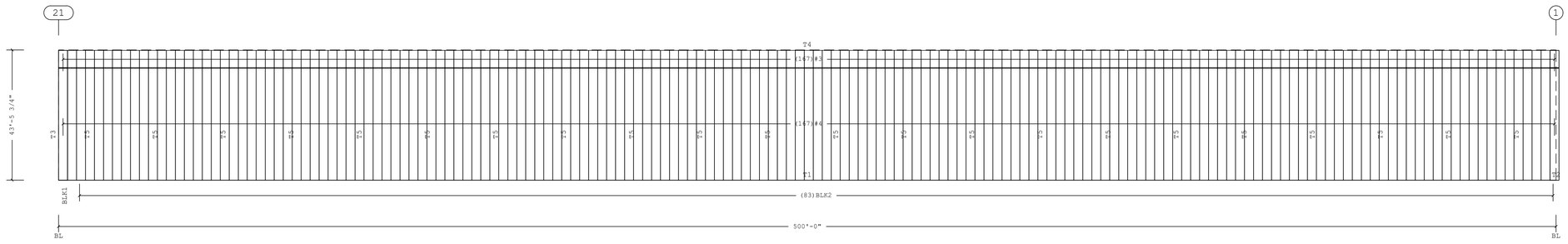
Id	Parts
T1	(20)BA225, (42)BT12A, (20)SBA225
T2	CTBEX2L, CTBEX2R
T3	(4)ICT12, (4)SHCTB12
T4	(42)CLE12D, (42)SHCL12, (20)WGTR25, (50)EVZ11
T5	(2)5CE45, 5CE75, CB, (4.5)CP510

Color	Details
Match Wall Color	ENB006, NV664, WCB082, WCB086, WCB602, WCB625, WCB626, WCB628, WCB790, WCB799, WCB800, WCR607, WSR066
Standard Color	WCB602, WCB790, WSR067
Match Wall Color	WCB709, WCB711
Standard Color	EN60G1, MV822, RCB857, WCB714
Standard Color	KV861

Insulation Schedule (Install in same direction as Covering)

Id	Qty	Type	Start Run	Last Run	Thick.	Facing	Increment
BLK1	1	IB	44'-6"		8.00	WM	
BLK2	83	IB	44'-6"	44'-6"	8.00	WM	

Starter Width= 4'-0", Interm. Width= 6'-0", End Width= 6'-0"
Location =Outside Secondary Structural
Direction =Across Secondary Structural
Type:IB=Fiberglass Blanket
Facing:WM=WMP-50
Shape Name = 200 x 500 x 50'3, Wall = 2



COVERING ELEVATION AT A

Fastener Schedule

Part	Description
0097365-112	(T-3) #12-14 x 1 1/4", T-30 Torx Hd w/Washer
0096932	Scrubolt 3/8 x 1 1/4", Hex Hd w/Washer
0097364-112	(T-1) 1/4-14 x 3/4", T-30 Torx Hd w/Washer

Planograph Schedule

Id	Details
T1	P-081191, P-090151, P-090152, P-090157, P-090202, P-090203
T2	
T3	P-090145, P-090157
T4	P-080082, P-080089, P-081241
T5	P-080091, P-081240, P-105228

Shape Name = 200 x 500 x 50'3, Wall = 2

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE's AND/OR FASTENERS TO STRUCTURAL BEAMS
2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.
3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING, SEE THE COVERING SCHEDULE FOR CUT LENGTHS.
4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.

REV:	DATE:	BY:	DESCRIPTION:

DRAWING SCALE: NTS

D

BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

200 x 500 x 50'3-Covering at A

BUILDER: ARAA Athletic Facility
CUSTOMER:
LOCATION: Ramsey, Minnesota
PROJECT: Athletic Training Facility
BUILDER'S PO#:

Butler Manufacturing
VPC VERSION: ADVNXT 6.8

JOB #:
DATE: 12/6/2024
DRAWN/CHECK: /
PAGE:

Covering Schedule

Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Direction
#7	167	SHU	12'-8 1/8"	26	3	K	SY	Left to Right
#8	167	SHU	37'-7 5/8"	26	3	K	SY	Left to Right

Oper. Code:3=SQ, SQ
Finish:K=Butler-Cote
Color:SY=Cool Shell Gray

Trim Schedule

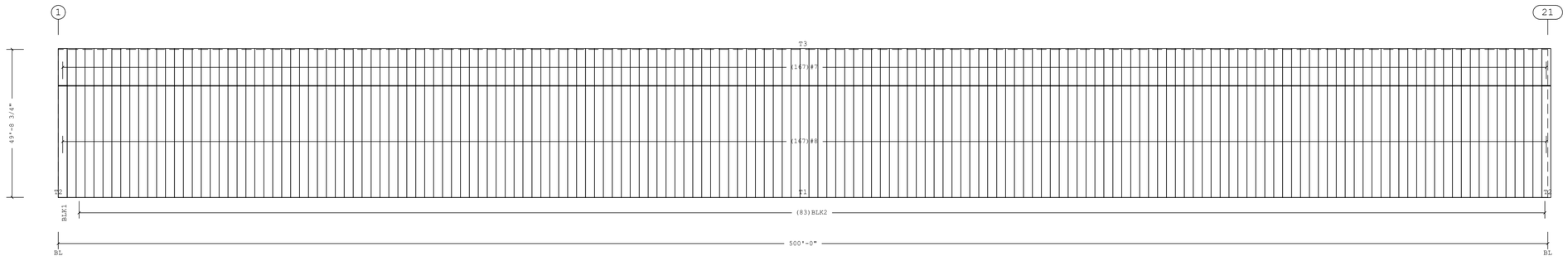
Id	Parts
T1	(20)BA225, (42)BT12A, (20)SBA225
T2	CTBEX2L, CTBEX2R
T3	(40)630598, (42)SHCL12, (2)0630393

Color	Details
Match Wall Color	ENB006, NV664, WCB082, WCB086, WCB602, WCB625, WCB626, WCB628, WCB790, WCB799, WCB800, WCR607, WSR066
Standard Color	WCB602, WCB790, WSR067
Standard Color	ENB004, MV822, NV667, RCB853, WCB715

Insulation Schedule (Install in same direction as Covering)

Id	Qty	Type	Start Run	Last Run	Thick.	Facing	Increment
BLK1	1	IB	50'-0"		8.00	WM	
BLK2	83	IB	50'-0"	50'-0"	8.00	WM	

Starter Width= 4'-0", Interm. Width= 6'-0", End Width= 6'-0"
Location =Outside Secondary Structural
Direction =Across Secondary Structural
Type:IB=Fiberglass Blanket
Facing:WM=WMP-50
Shape Name = 200 x 500 x 50'3, Wall = 4



COVERING ELEVATION AT K

Fastener Schedule

Part	Description
0097365-112	(T-3) #12-14 x 1 1/4", T-30 Torx Hd w/Washer
0096932	Scrubolt 3/8 x 1 1/4", Hex Hd w/Washer
0097364-112	(T-1) 1/4-14 x 3/4", T-30 Torx Hd w/Washer

Planograph Schedule

Id	Details
T1	P-081191, P-090151, P-090152, P-090157, P-090202, P-090203
T2	
T3	P-080575, P-080789, P-080949, P-081239

Shape Name = 200 x 500 x 50'3, Wall = 4

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE's AND/OR FASTENERS TO STRUCTURAL BEAMS
2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.
3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING, SEE THE COVERING SCHEDULE FOR CUT LENGTHS.
4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.

D

BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

200 x 500 x 50'3-Covering at K

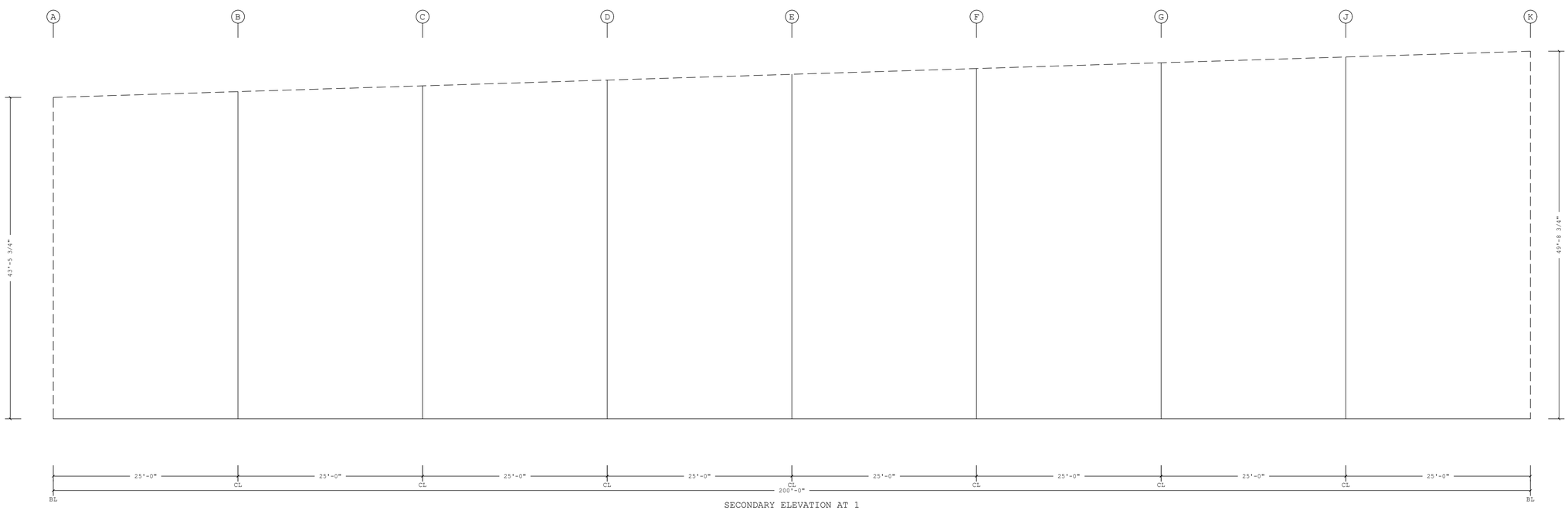
REV:	DATE:	BY:	DESCRIPTION:

DRAWING SCALE: NTS

BUILDER: ARAA Athletic Facility
CUSTOMER:
LOCATION: Ramsey, Minnesota
PROJECT: Athletic Training Facility
BUILDER'S PO#:

Butler Manufacturing
VPC VERSION: ADVNXT 6.8

JOB #:
DATE: 12/6/2024
DRAWN/CHECK: /
PAGE:



SECONDARY ELEVATION AT 1

Shape Name = 200 x 500 x 50'3, Wall = 1

1. **UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.**
2. **FLANGE BRACES ARE AN INTEGRAL PART OF THE STABILITY OF THE STRUCTURAL SYSTEM AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS.**
3. **REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.**

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

D

BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

200 x 500 x 50'3-Secondary at 1

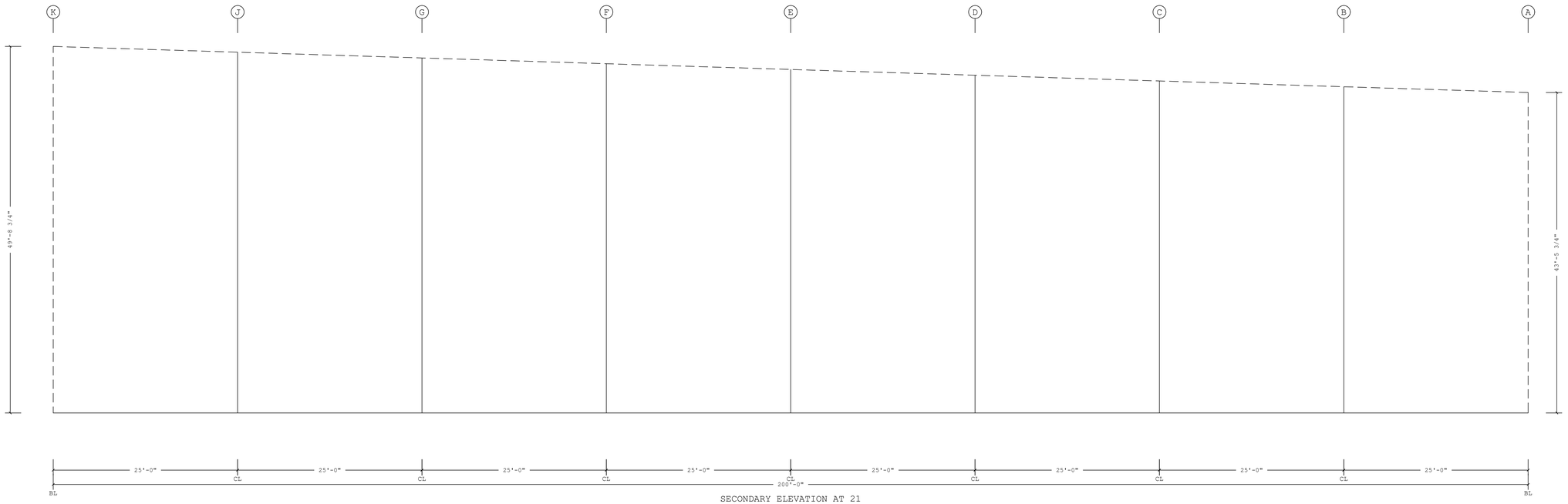
REV:	DATE:	BY:	DESCRIPTION:

DRAWING SCALE: NTS

BUILDER: ARAA Athletic Facility
CUSTOMER:
LOCATION: Ramsey, Minnesota
PROJECT: Athletic Training Facility
BUILDER'S PO#:

Butler Manufacturing
VPC VERSION: ADVNXT 6.8

JOB #:
DATE: 12/6/2024
DRAWN/CHECK: /
PAGE:



SECONDARY ELEVATION AT 21

Shape Name = 200 x 500 x 50'3, Wall = 3

1. **UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.**
2. **FLANGE BRACES ARE AN INTEGRAL PART OF THE STABILITY OF THE STRUCTURAL SYSTEM AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS.**
3. **REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.**

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

D

BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

REV:	DATE:	BY:	DESCRIPTION:

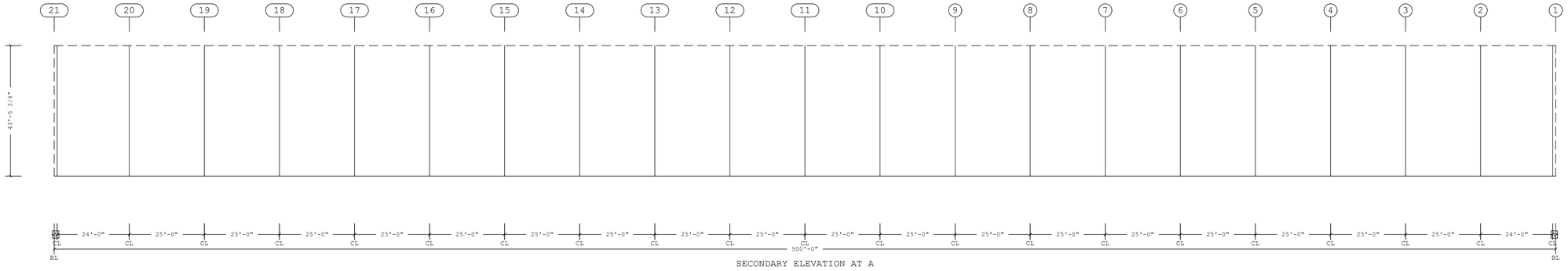
DRAWING SCALE: NTS

200 x 500 x 50'3-Secondary at 21

BUILDER: ARAA Athletic Facility
CUSTOMER:
LOCATION: Ramsey, Minnesota
PROJECT: Athletic Training Facility
BUILDER'S PO#:

Butler Manufacturing
VPC VERSION: ADVNXT 6.8

JOB #:
DATE: 12/6/2024
DRAWN/CHECK: /
PAGE:



SECONDARY ELEVATION AT A

1 1'-0"
Dimension Key

Shape Name = 200 x 500 x 50'3, Wall = 2

1. **UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.**
2. **FLANGE BRACES ARE AN INTEGRAL PART OF THE STABILITY OF THE STRUCTURAL SYSTEM AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS.**
3. **REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.**

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

D

BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

200 x 500 x 50'3-Secondary at A

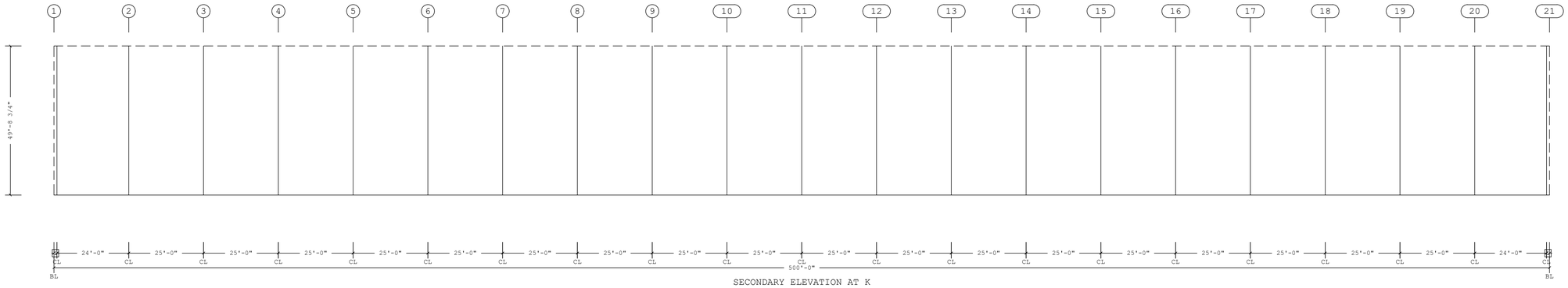
REV:	DATE:	BY:	DESCRIPTION:

DRAWING SCALE: NTS

BUILDER: ARAA Athletic Facility
CUSTOMER:
LOCATION: Ramsey, Minnesota
PROJECT: Athletic Training Facility
BUILDER'S PO#:

Butler Manufacturing
VPC VERSION: ADVNXT 6.8

JOB #:
DATE: 12/6/2024
DRAWN/CHECK: /
PAGE:



SECONDARY ELEVATION AT K

1 1'-0"

☐ Dimension Key

Shape Name = 200 x 500 x 50'3, Wall = 4

1. UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
2. FLANGE BRACES ARE AN INTEGRAL PART OF THE STABILITY OF THE STRUCTURAL SYSTEM AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS.
3. REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

D

BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

REV:	DATE:	BY:	DESCRIPTION:

DRAWING SCALE: NTS

200 x 500 x 50'3-Secondary at K

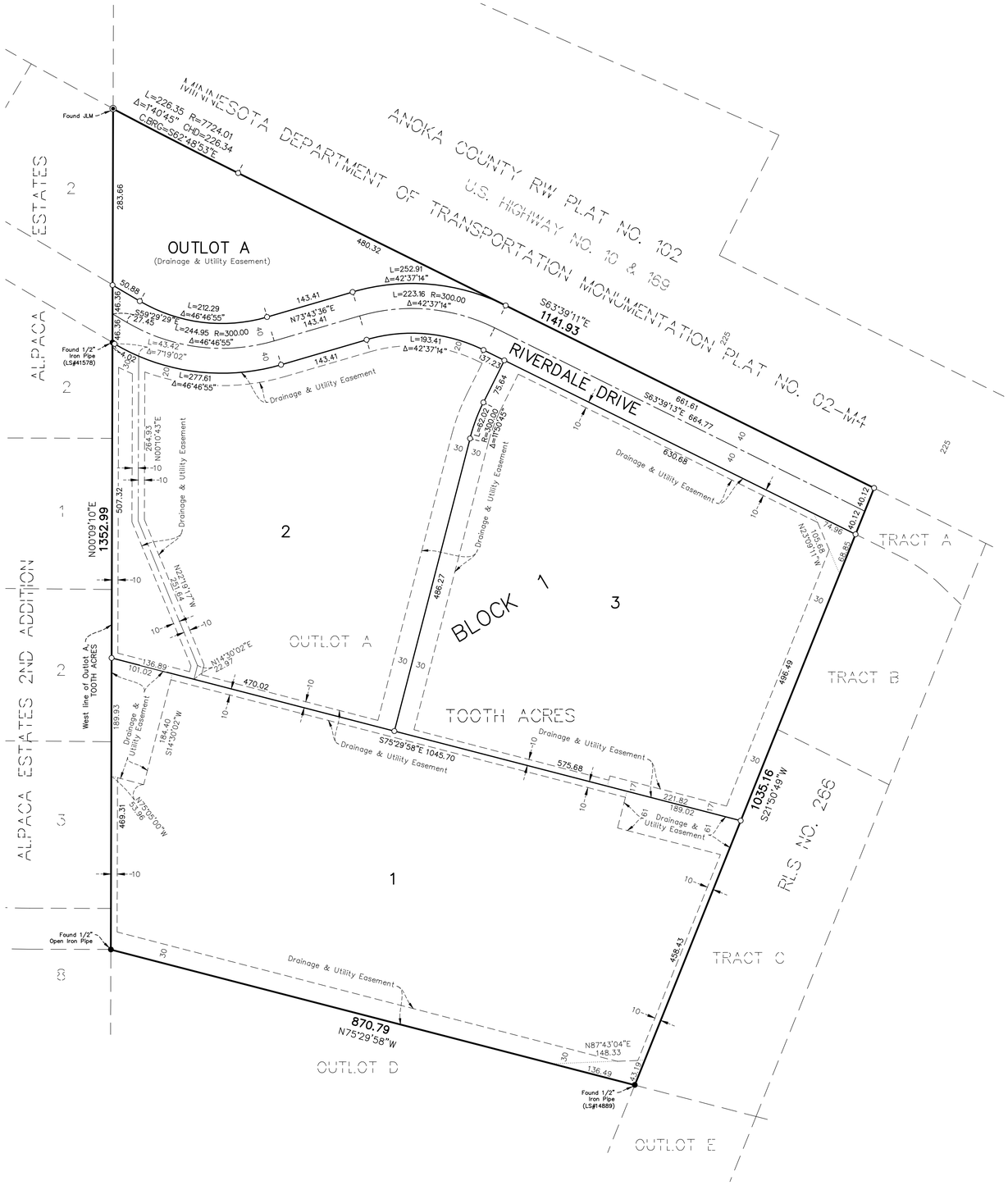
BUILDER: ARAA Athletic Facility
CUSTOMER:
LOCATION: Ramsey, Minnesota
PROJECT: Athletic Training Facility
BUILDER'S PO#:

Butler Manufacturing
VPC VERSION: ADVNXT 6.8

JOB #:
DATE: 12/6/2024
DRAWN/CHECK: /
PAGE:

TOOTH ACRES SECOND ADDITION

CITY OF RAMSEY
COUNTY OF ANOKA
SEC. 28, T. 32, R. 25



KNOW ALL PERSONS BY THESE PRESENTS: That PSD, LLC, a Minnesota limited liability company, owner of the following described property:

Outlot A, TOOTH ACRES, according to the recorded plat thereof, Anoka County, Minnesota.

Has caused the same to be surveyed and platted as TOOTH ACRES SECOND ADDITION and does hereby dedicate to the public for public use the drainage and utility easements as created by this plat.

In witness whereof said PSD, LLC, a Minnesota limited liability company, has caused these presents to be signed by its proper officer this __ day of _____ , 20____ .

SIGNED: PSD, LLC

By _____ , Chief Manager
Pamela S. Deal

STATE OF MINNESOTA
COUNTY OF _____

This instrument was acknowledged before me this _____ day of _____ , 20_____ by Pamela S. Deal, Chief Manager of PSD, LLC, a Minnesota limited liability company.

_____ _____
Notary Public, _____ Notary Printed Name

My commission expires _____

SURVEYOR'S CERTIFICATE

I Brian Person do hereby certify that this plat was prepared by me or under my direct supervision; that I am a duly Licensed Land Surveyor in the State of Minnesota; that this plat is a correct representation of the boundary survey; that all mathematical data and labels are correctly designated on this plat; that all monuments depicted on this plat have been, or will be correctly set within one year; that all water boundaries and wet lands, as defined in Minnesota Statutes, Section 505.01, Subd. 3, as of the date of this certificate are shown and labeled on this plat; and all public ways are shown and labeled on this plat.

Dated this _____ day of _____ , 20___ .

_____
Brian Person, Licensed Land Surveyor
Minnesota License No. 49138

STATE OF MINNESOTA
COUNTY OF ANOKA

This instrument was acknowledged before me this _____ day of _____, 20___ by Brian Person.

_____ _____
Notary Public, Minnesota. Notary Printed Name

My commission expires _____

CITY COUNCIL, CITY OF RAMSEY, MINNESOTA

This plat of TOOTH ACRES SECOND ADDITION was approved and accepted by the City Council of the City of Ramsey, Minnesota at a regular meeting thereof held this _____ day of _____ , 20____ , and said plat is in compliance with the provisions of Minnesota Statutes, Section 505.03, Subd. 2.

City Council, City of Ramsey, Minnesota

By : _____ , Mayor

By : _____ , Clerk

ANOKA COUNTY SURVEYOR

I hereby certify that in accordance with Minnesota Statutes, Section 505.021, Subd. 11, this plat has been reviewed and approved this _____ day of _____ , 20____ .

_____
David M. Zieglmeier
Anoka County Surveyor

ANOKA COUNTY AUDITOR/TREASURER

Pursuant to Minnesota Statutes, Section 505.021, Subd. 9, taxes payable in the year 20___ on the land hereinbefore described have been paid. Also, pursuant to Minnesota Statutes, Section 272.12, there are no delinquent taxes and transfer entered this _____ day of _____, 20___ .

_____
Property Tax Administrator

By_____ , Deputy

ANOKA COUNTY RECORDER/REGISTRAR OF TITLES
County of Anoka, State of Minnesota

I hereby certify that this plat of TOOTH ACRES SECOND ADDITION was filed in the office of the County Recorder/Registrar of Titles for public record on this _____ day of _____ , 20___ , at_____o'clock___ .M. and was duly recorded as Document Number _____ .

_____
County Recorder/Registrar of Titles

By _____ , Deputy

N

100 0 100 200
SCALE IN FEET

1 INCH = 100 FEET

For the purposes of this plat the West line of OUTLOT A, TOOTH ACRES is assumed to bear N00°09'10"E.

○ Denotes a 1/2 inch by 14 inch iron pipe set with a plastic cap marked R.L.S. No. 49138
● Denotes a found capped 1/2 inch iron pipe
◉ Denotes a found JLM

Hakanson Anderson