



414.271.5350

309 West Johnson Street, Suite 202 Madison, Wisconsin 53703 1899 Wynkoop Street, Suite 700

Denver, Colorado 80202

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

D 601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
09/16/2022	
11/18/2022	75% DESIGN DEVELOPMENT
11/28/2022	ARC SUBMISSION
12/09/2022	100% DESIGN DEVELOPMENT
01/16/2022	ARC SUBMISSION

**KEY PLAN** 



7711 N. Port Washington Road Milwaukee, Wisconsin 53217

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be

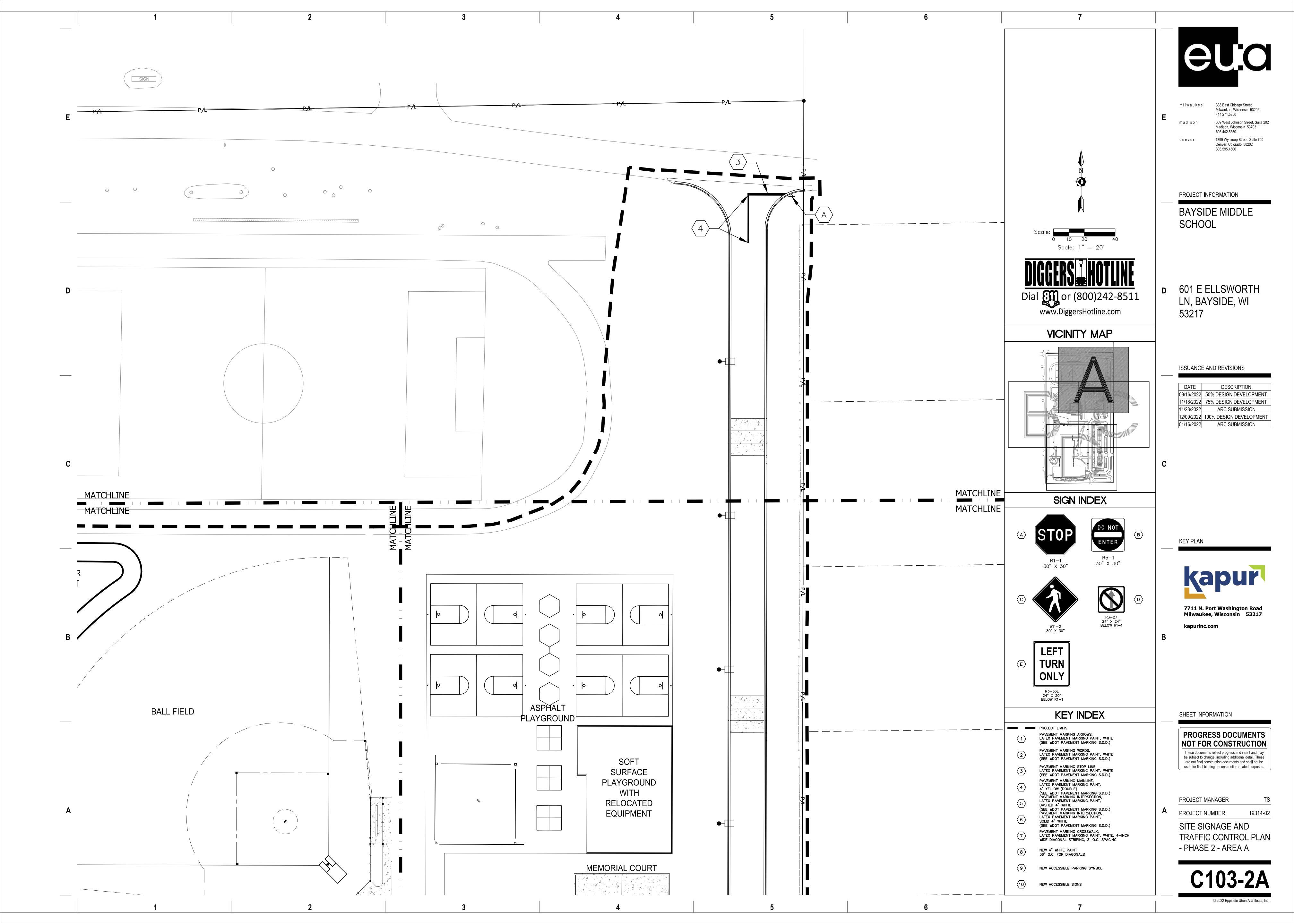
used for final bidding or construction-related purposes.

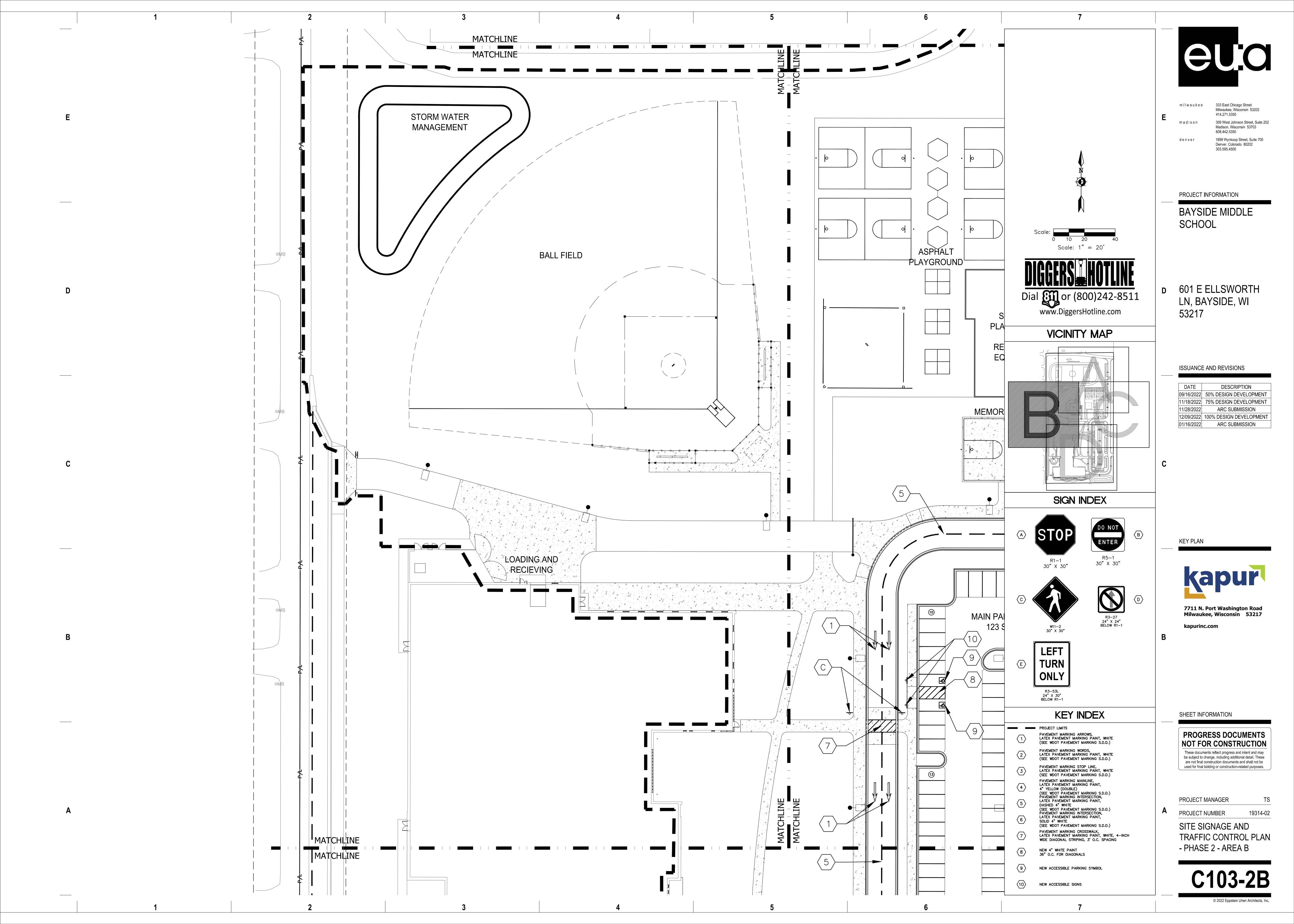
PROJECT MANAGER

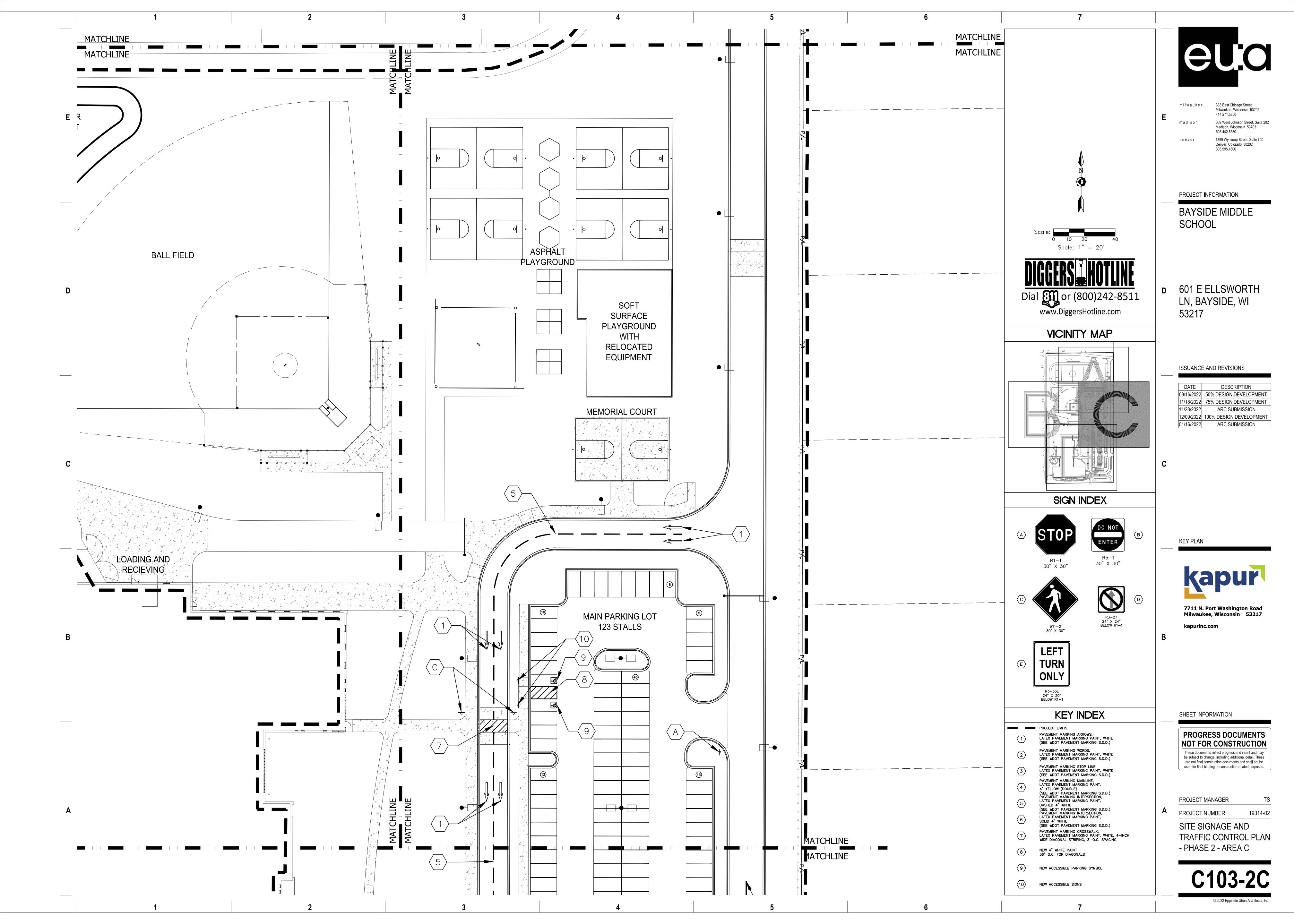
PROJECT NUMBER

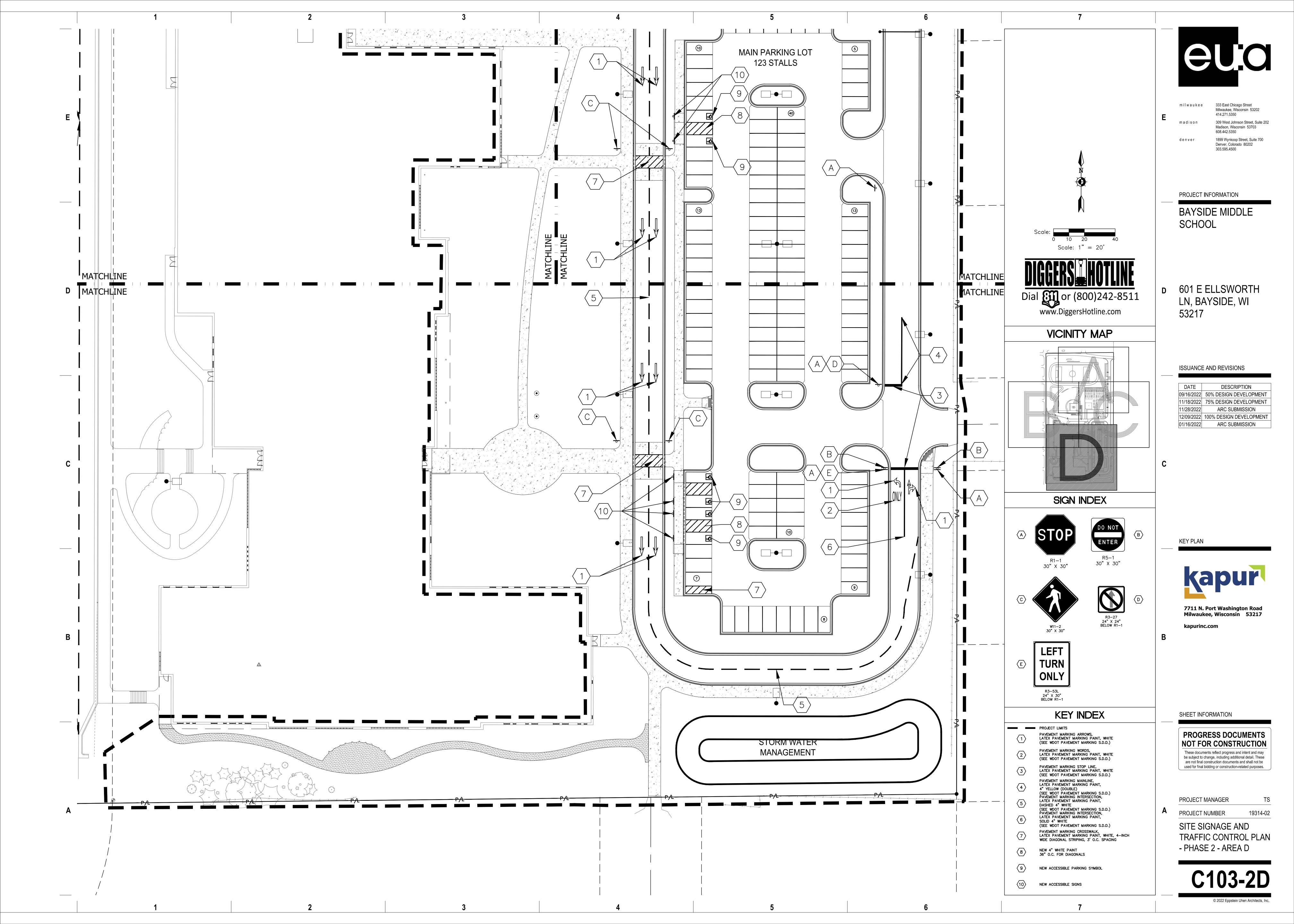
OVERALL SITE SIGNAGE AND TRAFFIC CONTROL

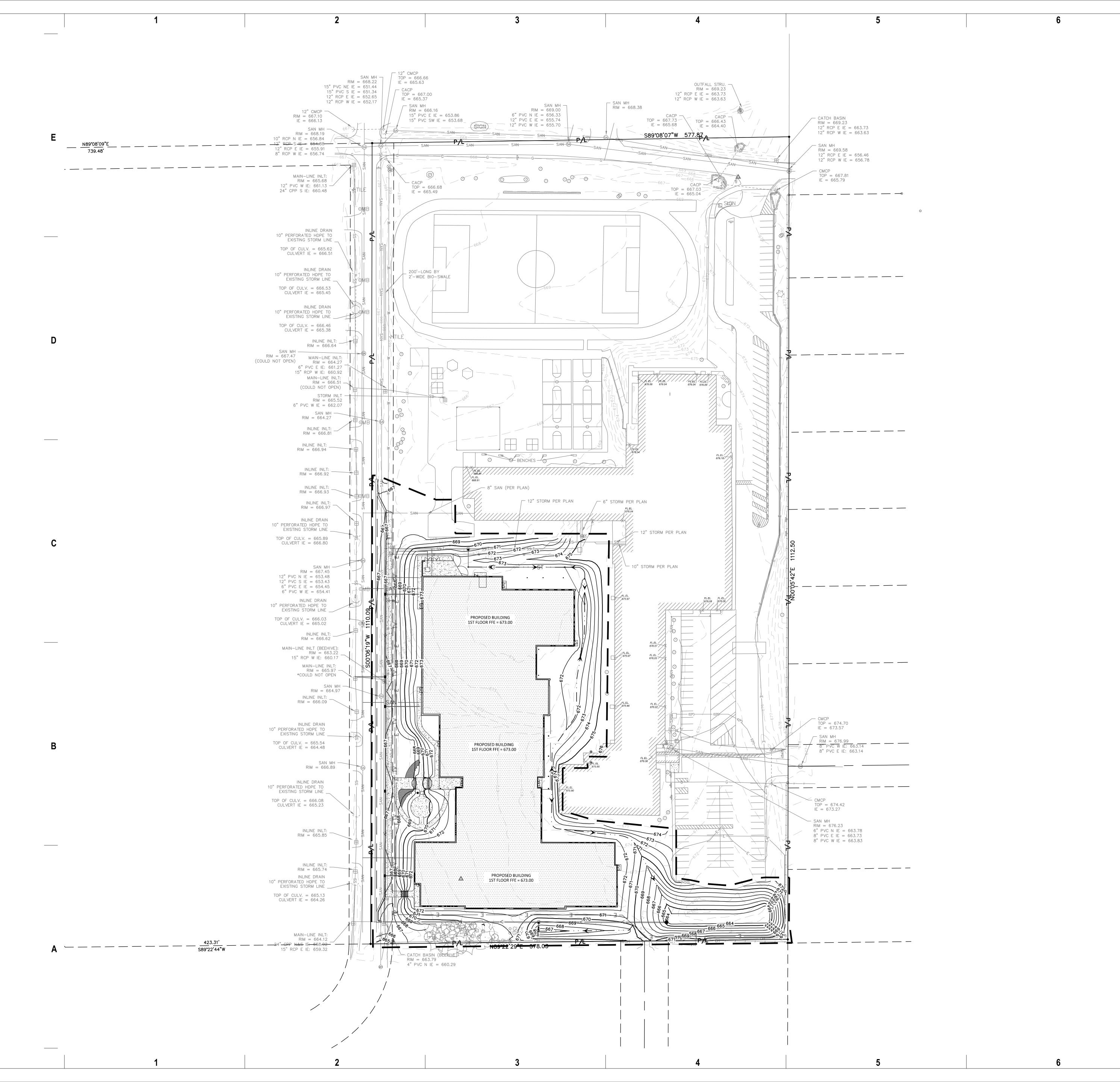
PLAN - PHASE 2













414.271.5350

m a d i s o n

309 West Johnson Street, Suite 202

Madison, Wisconsin 53703

608.442.5350

1899 Wynkoop Street, Suite 700 Denver, Colorado 80202 303.595.4500

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C

KEY PLAN



7711 N. Port Washington Road Milwaukee, Wisconsin 53217

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Scale: 1" = 50'

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GRADING NOTES

GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR VERIFYING OWNERSHIP OF AND COORDINATING THE DEMOLITION AND / OR

RELOCATION / ELEVATION ADJUSTMENT OF ALL EXISTING PUBLIC OR PRIVATE UTILITIES WITHIN THE PROJECT LIMITS THAT MAY BE AFFECTED BY TOPOGRAPHICAL CHANGES, UTILITIES, OR OTHER PROPOSED CONSTRUCTION ON

THE PROJECT, INCLUDING BUT NOT LIMITED TO ELECTRICAL / FIBER OPTIC /

FEDERAL, LOCAL, AND UTILITY OWNER REGULATIONS.

- 999 - - EXISTING CONTOUR MINOR

- 999 - - EXISTING CONTOUR MAJOR

—— 999 —— PROPOSED CONTOUR MAJOR

PROJECT LIMITS

TELEPHONE / CABLE / GAS / WATER / SANITARY / STORM. DEMOLITION / RELOCATION OF THIS UTILITY WORK MUST BE IN ACCORDANCE WITH ALL STATE,

**KEY INDEX** 

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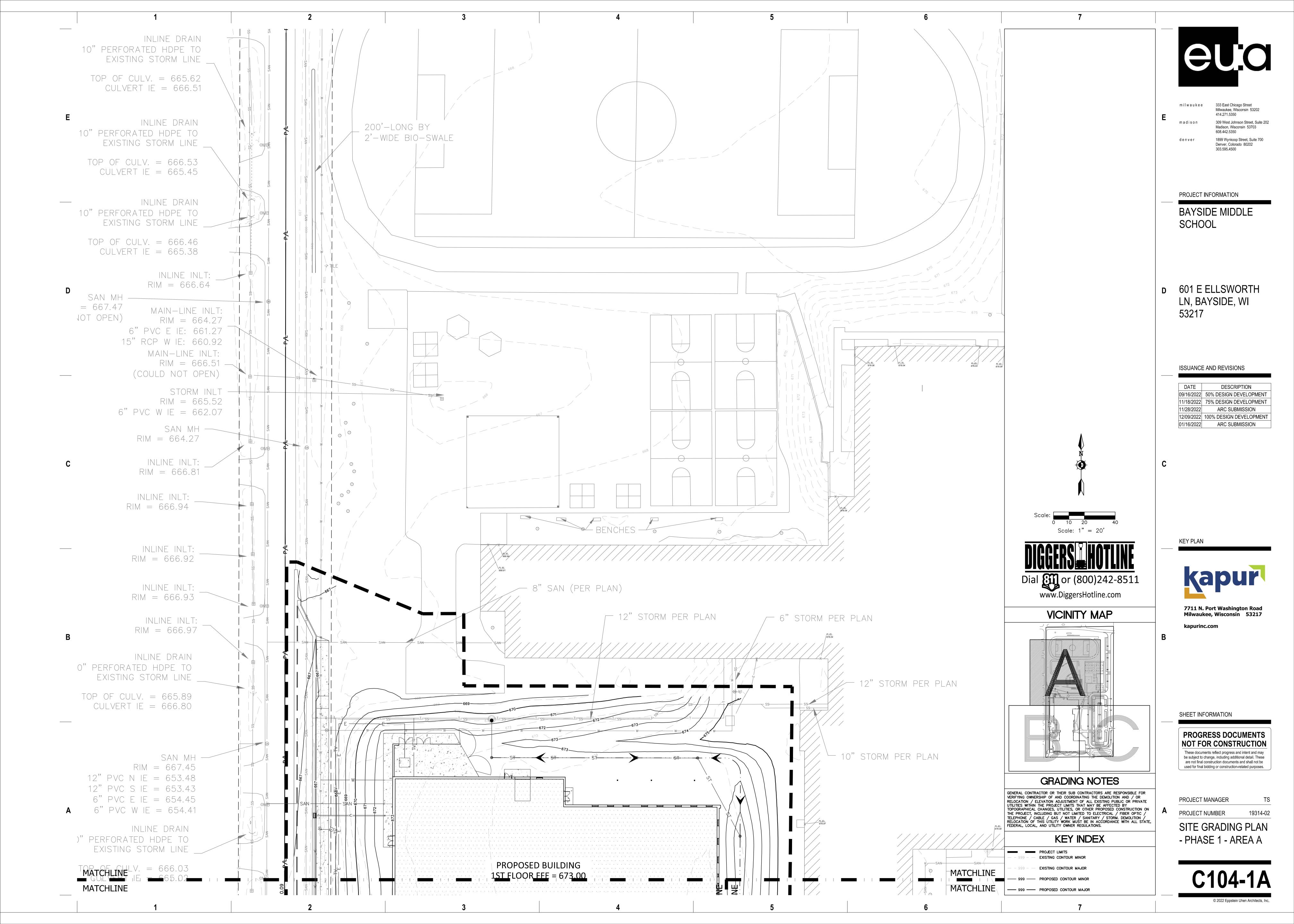
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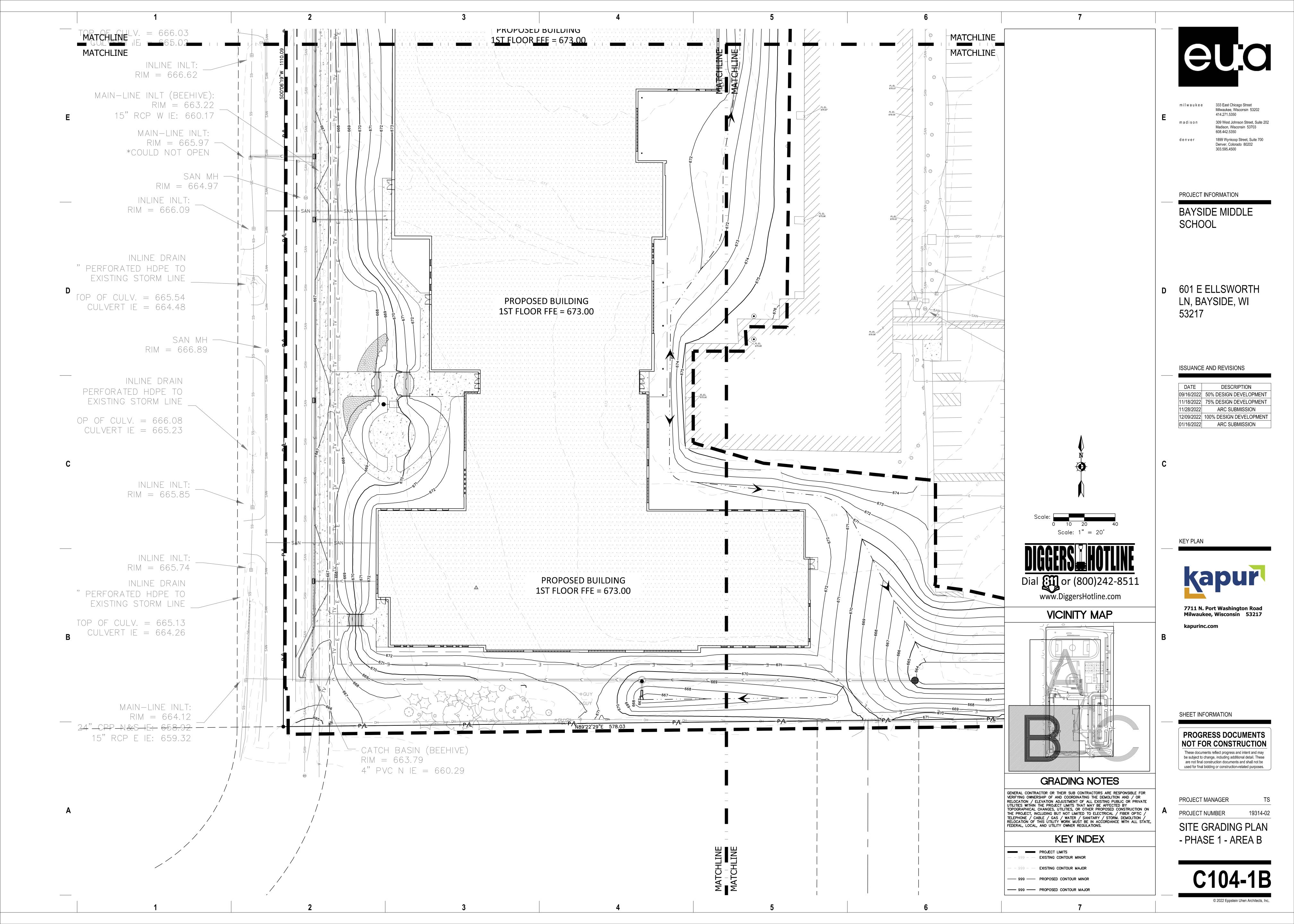
PROJECT MANAGER

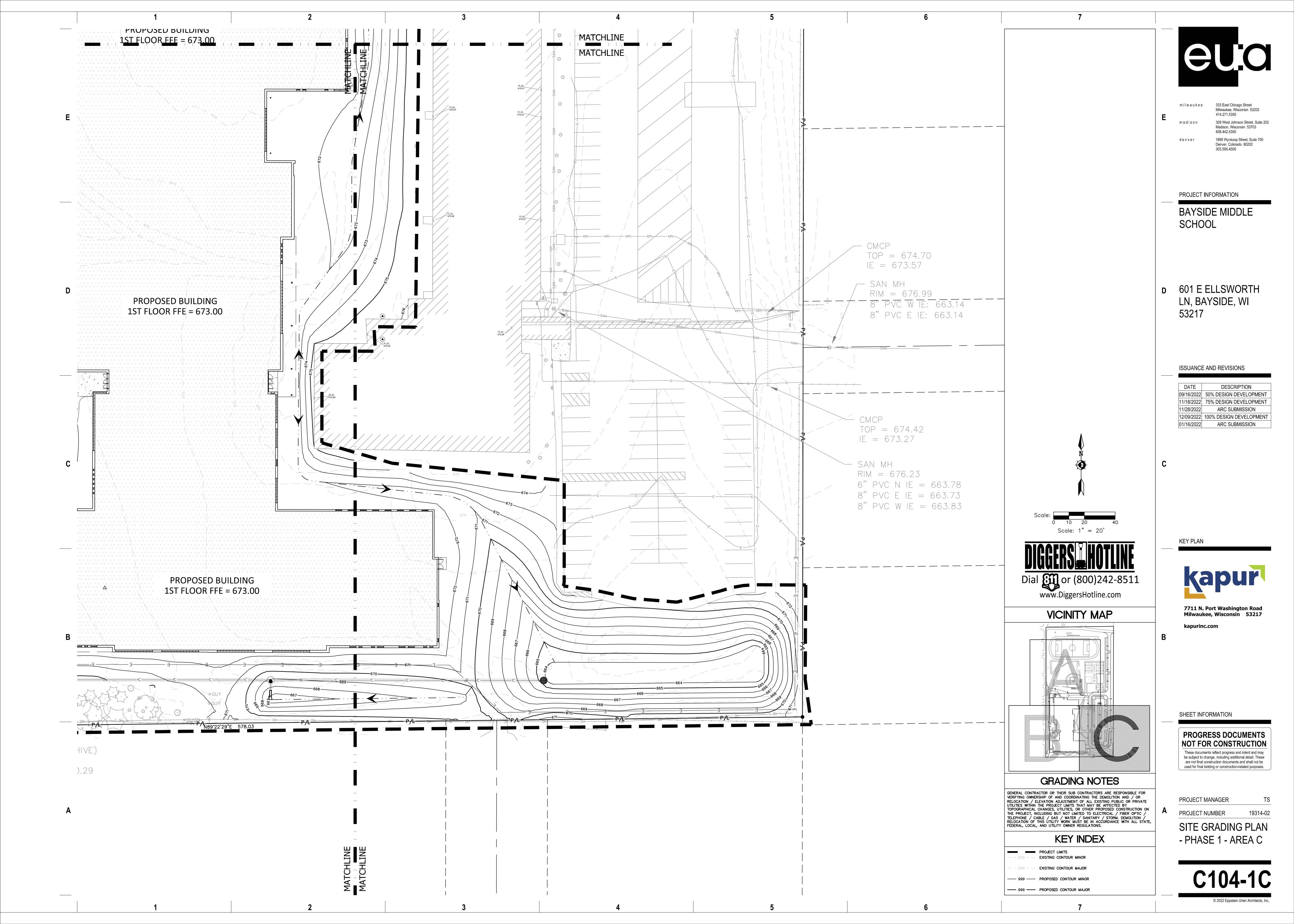
PROJECT NUMBER 19314-02

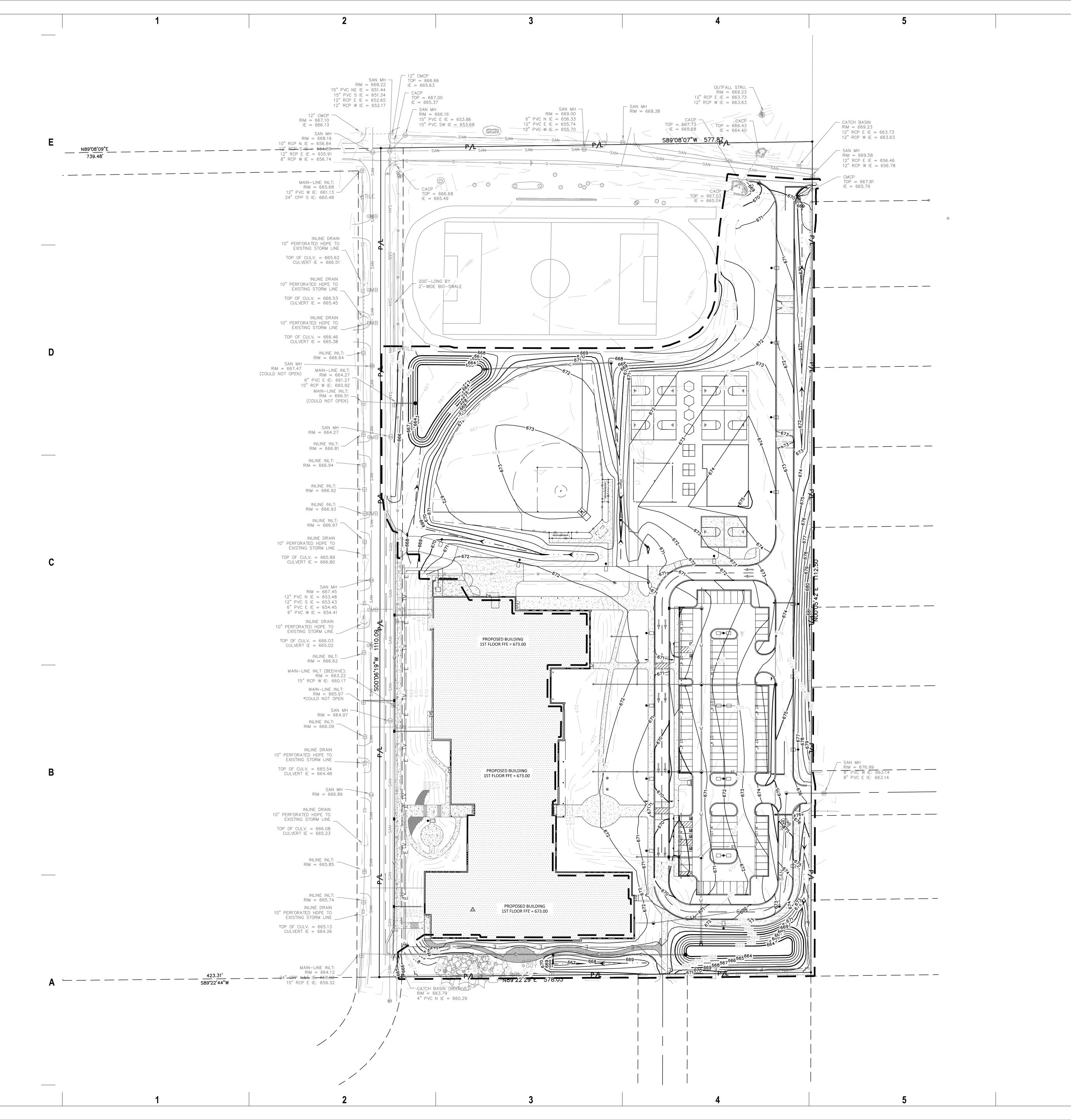
OVERALL SITE GRADING PLAN -PHASE 1

C104-1











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SHEET INFORMATION

PROJECT MANAGER

PROJECT NUMBER

OVERALL SITE

**GRADING PLAN -**

PROGRESS DOCUMENTS

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19314-02

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C

KEY PLAN

0 25 50 100 Scale: 1" = 50'

Dial or (800)242-8511
www.DiggersHotline.com

#### GRADING NOTES

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# KEY INDEX

→ 970.00 PROPOSED SPOT GRADE

→ 970.0± MATCH EXISTING GRADE

→ 1970.00 PROPOSED GUTTER GRADE
(UNLESS OTHERWISE NOTED)

T970.0± MATCH EXISTING GUTTER GRADE

TW970.00 PROPOSED TOP OF WALL

PROPOSED BOTTOM OF WALL

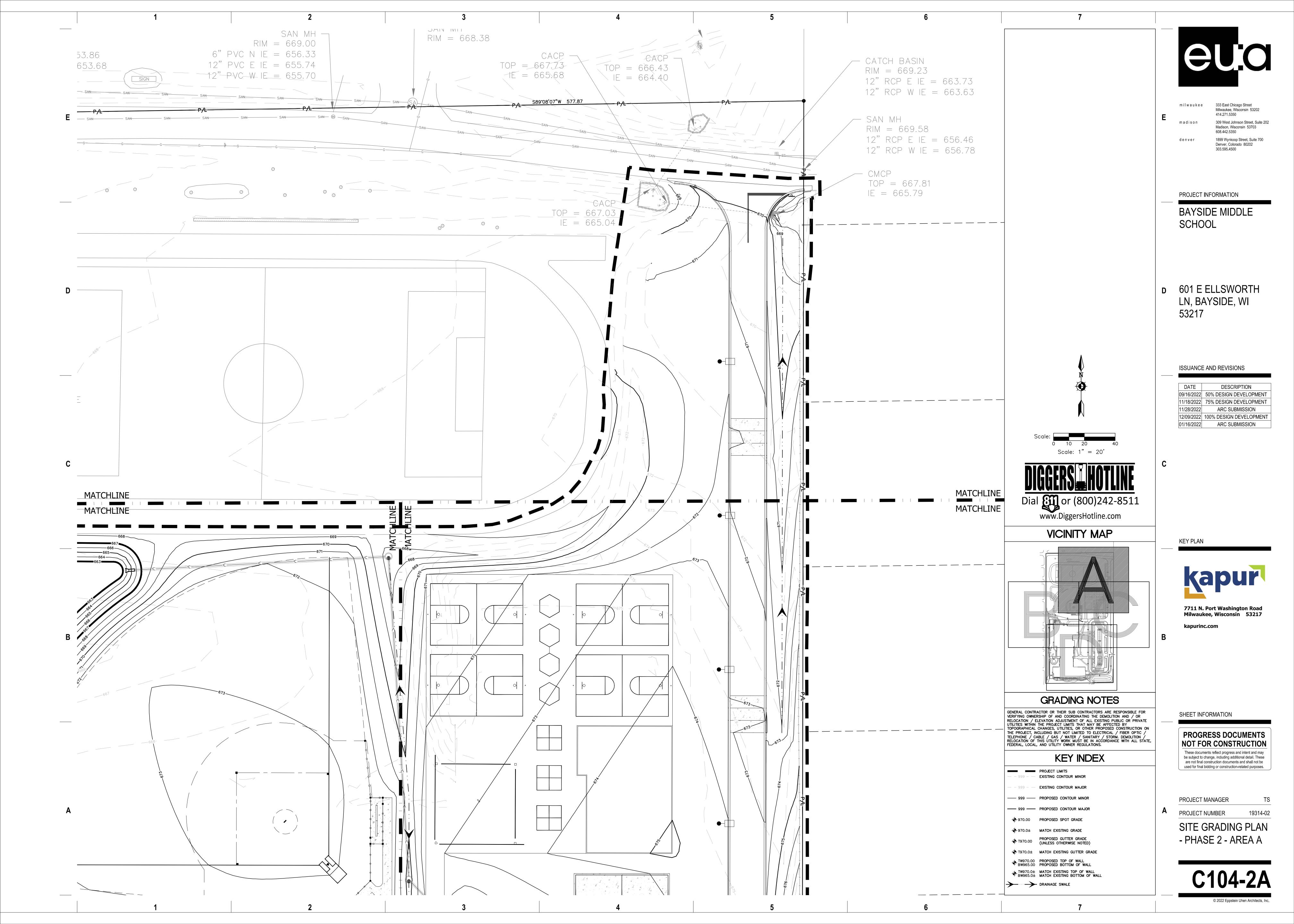
TW970.0± MATCH EXISTING TOP OF WALL

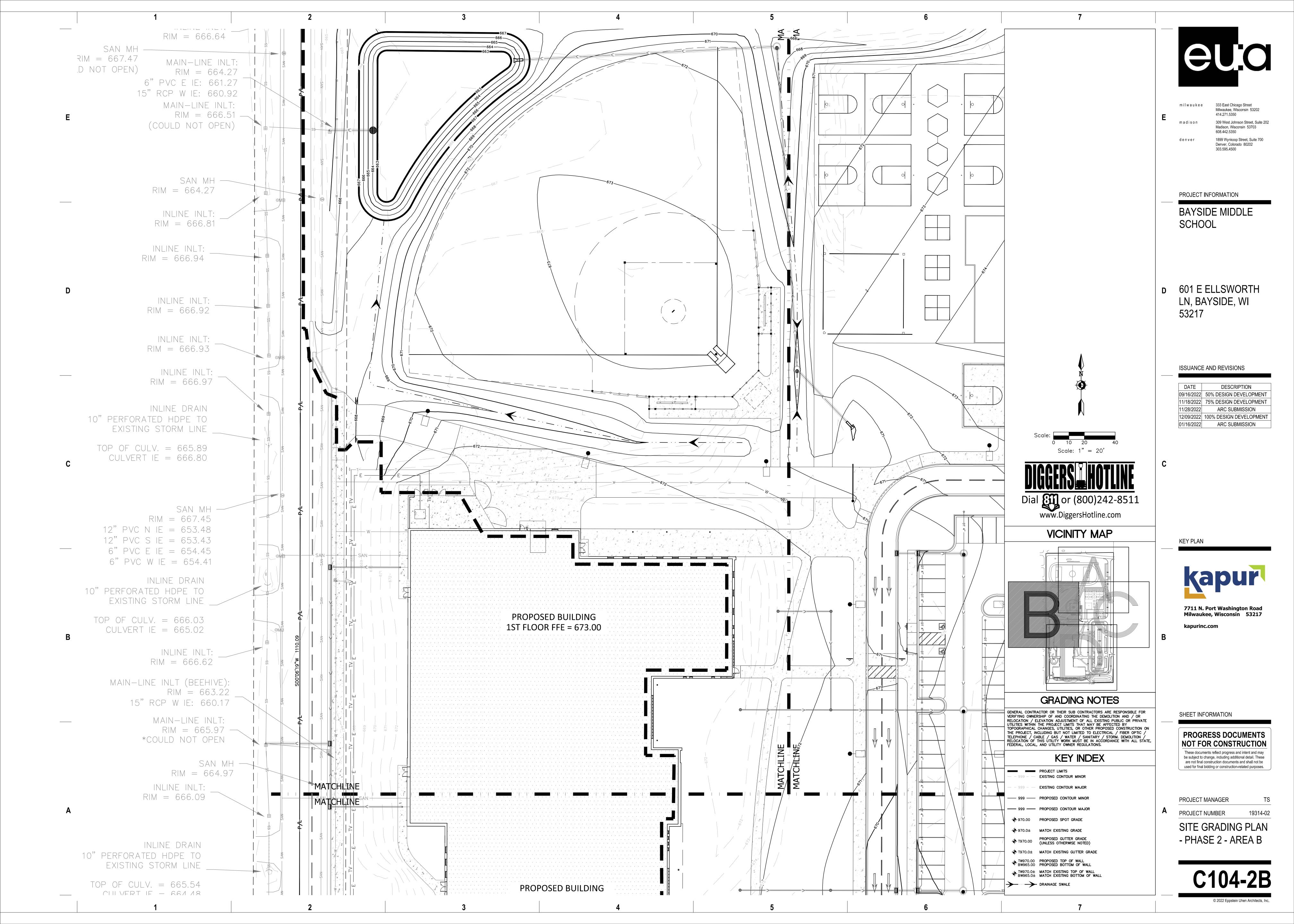
BW965.0± MATCH EXISTING BOTTOM OF WALL

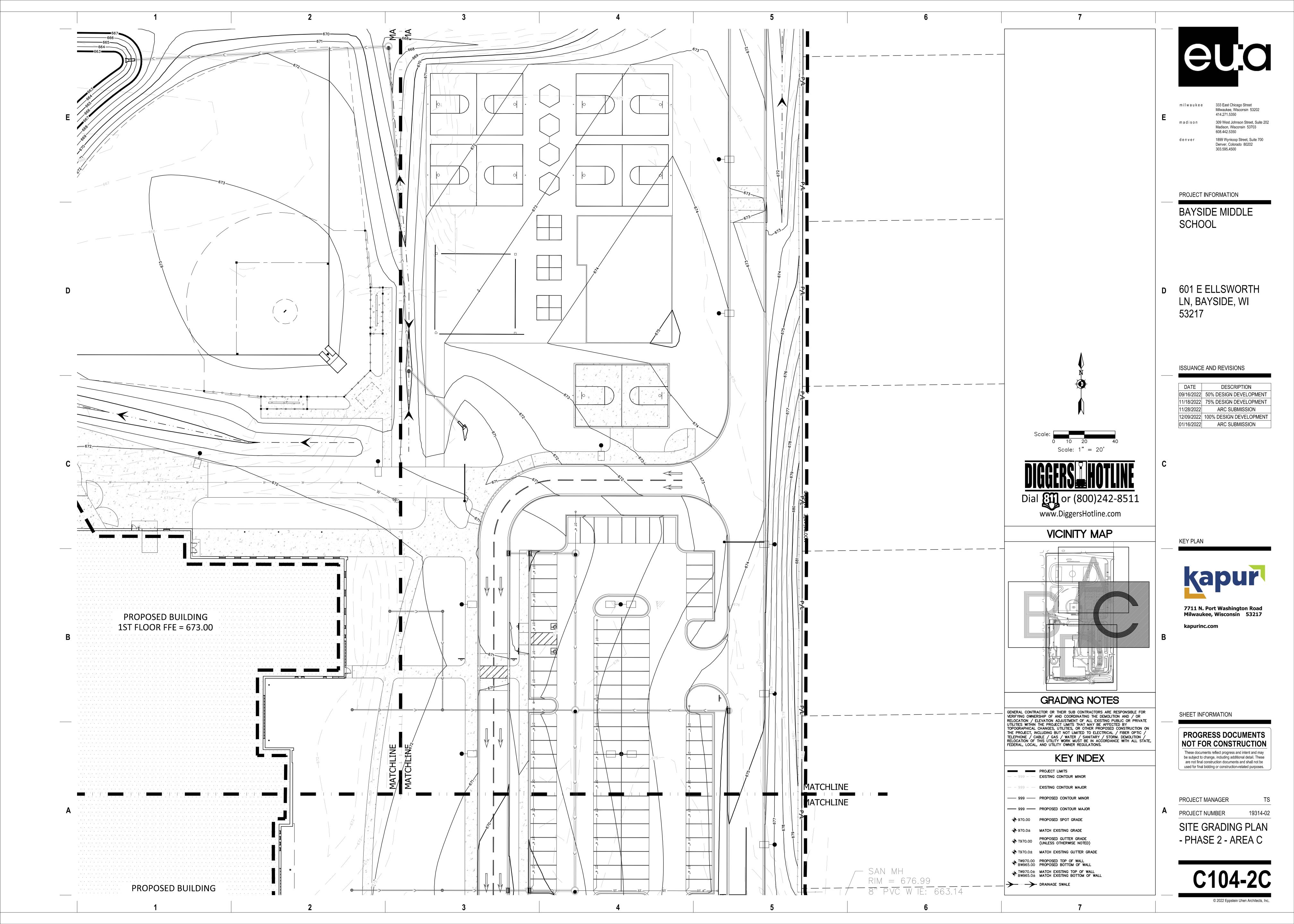
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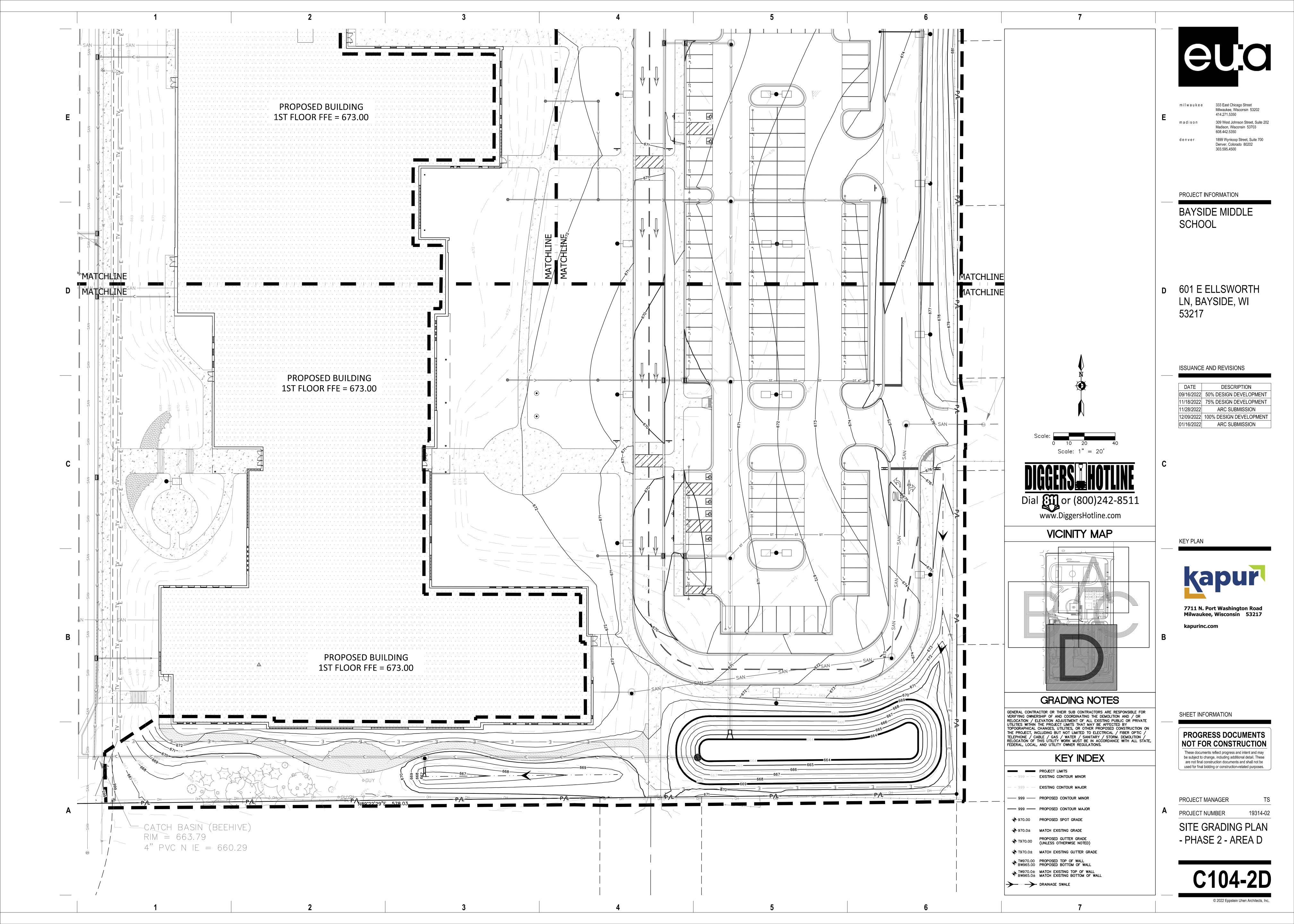
C104-2

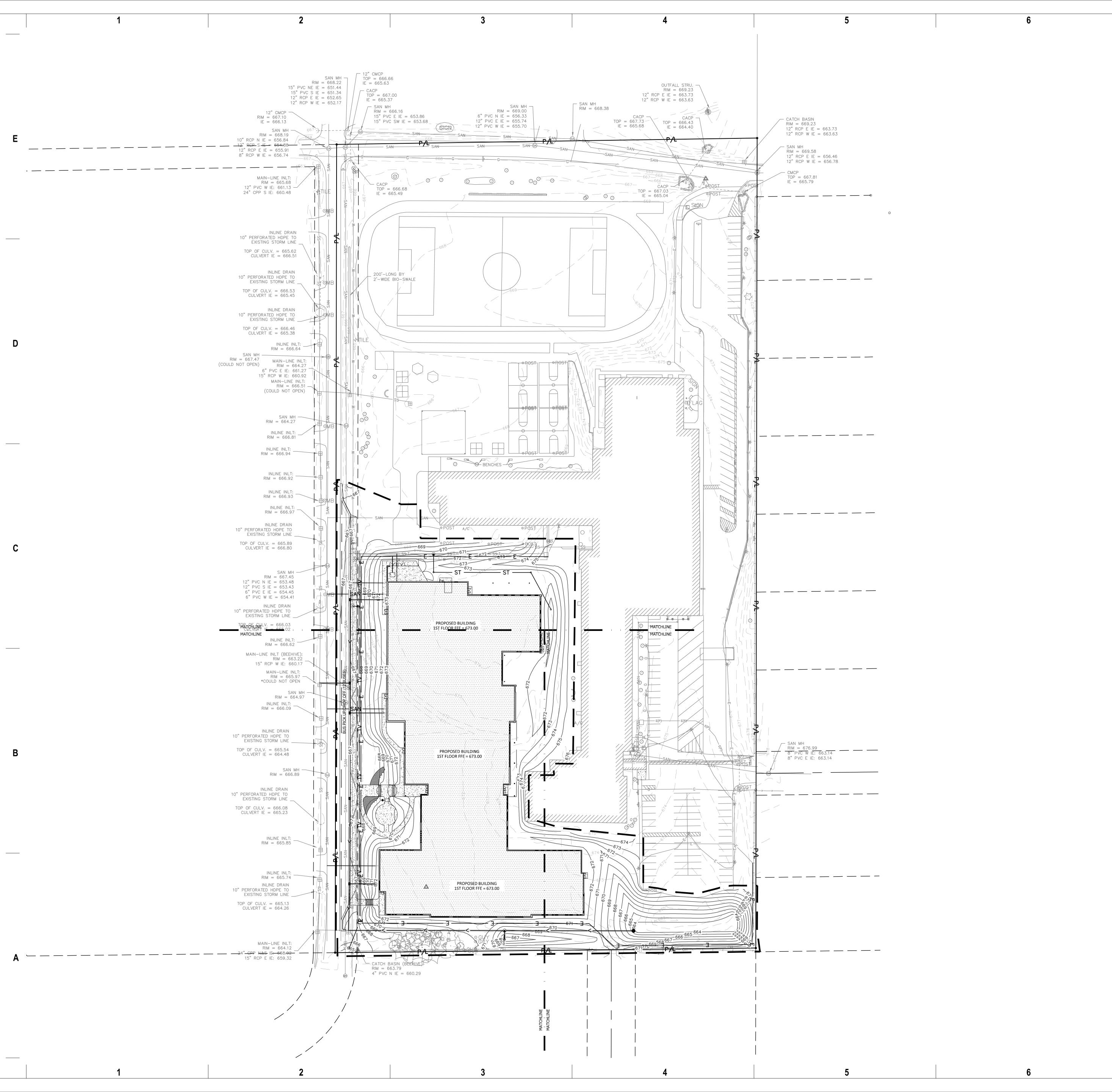
PHASE 2













333 East Chicago Street milwaukee Milwaukee, Wisconsin 53202

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www.DiggersHotline.com UTILITY NOTES

Dial or (800)242-8511

Scale: 1" = 50'

KNOWN UTILITY AND POTENTIAL CONFLICT EXIST WITH EXISTING UNDERGROUND UTILITIES. PRIOR TO UTILITY INSTALLATION, CONTRACTOR TO EXCAVATE AND EXPOSE EXISTING UTILITIES, VERIFY LOCATIONS AND ELEVATIONS, AND CONTACT ENGINEER IF CONFLICTS EXIST WITH PROPOSED CONSTRUCTION AND EXISTING UNDERGROUND UTILITIES..

1. PER PROJECT SPECIFICATIONS AND THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, THE POINT OF COMMENCEMENT FOR THE LAYING OF SEWER PIPE SHALL BE AT THE LOWEST POINT IN THE PROPOSED SEWER LINE. THE PIPE SHALL BE LAID WITH THE BELL END OF THE BELL AND SPIGOT PIPE, OR WITH THE RECEIVING GROOVE END OF THE TONGUE AND GROOVE PIPE, POINTING UPGRADE. WHEN A NEW SEWER IS TO BE CONNECTED TO AN EXISTING SEWER NOT TERMINATING IN A SEWER IS TO BE CONNECTED TO AN EXISTING SEWER NOT TERMINATING IN A MANHOLE, THE CONTRACTOR SHALL UNCOVER THE EXISTING SEWER TO ALLOW ANY ADJUSTMENTS IN LINE AND GRADE TO BE MADE BEFORE PIPE IS LAID.

2. THE UNDERGROUND AND OVERHEAD UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES, LOCAL MUNICIPALITY, PROPERTY OWNER, AND DIGGERS HOTLINE. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO. 3. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS SHALL APPLY FOR AND OBTAIN ALL THEIR REQUIRED PERMITS AND APPROVALS PRIOR TO THE START OF THEIR WORK. CONSULT WITH AND OBTAIN FROM ENGINEER COPIES OF ENGINEERING DESIGN APPROVAL PERMITS, INCLUDING BUT NOT LIMITED TO WDNR, STATE OR LOCAL PLUMBING, WDOT, COUNTY, AND STORM WATER

4. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS SHALL CONTACT DIGGER'S HOTLINE TO ALLOW THEM SUFFICIENT TIME TO LOCATE EXISTING UTILITIES PRIOR TO COMMENCEMENT OF WORK.

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7. FOR ALL WORK, GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR REVIEWING BID DOCUMENTS, VERIFYING THE VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS, AND INCLUDE IN THEIR CONTRACT THE RELOCATION OF SAID UTILITIES (NOTED OR NOT ON THE BID DOCUMENTS) AS NECESSARY TO PROVIDE PROPER DEPTH/CLEARANCE PER UTILITY OWNER'S REQUIREMENTS.

# **KEY INDEX**

STORM CATCH BASIN WITH CURB BOX FRAME & GRATE

RCP APRON ENDWALL

WATER MAIN TEE

WATER MAIN VALVE

> STORM SEWER

— SAN — SANITARY SEWER W-W-WATER MAIN

KEY PLAN



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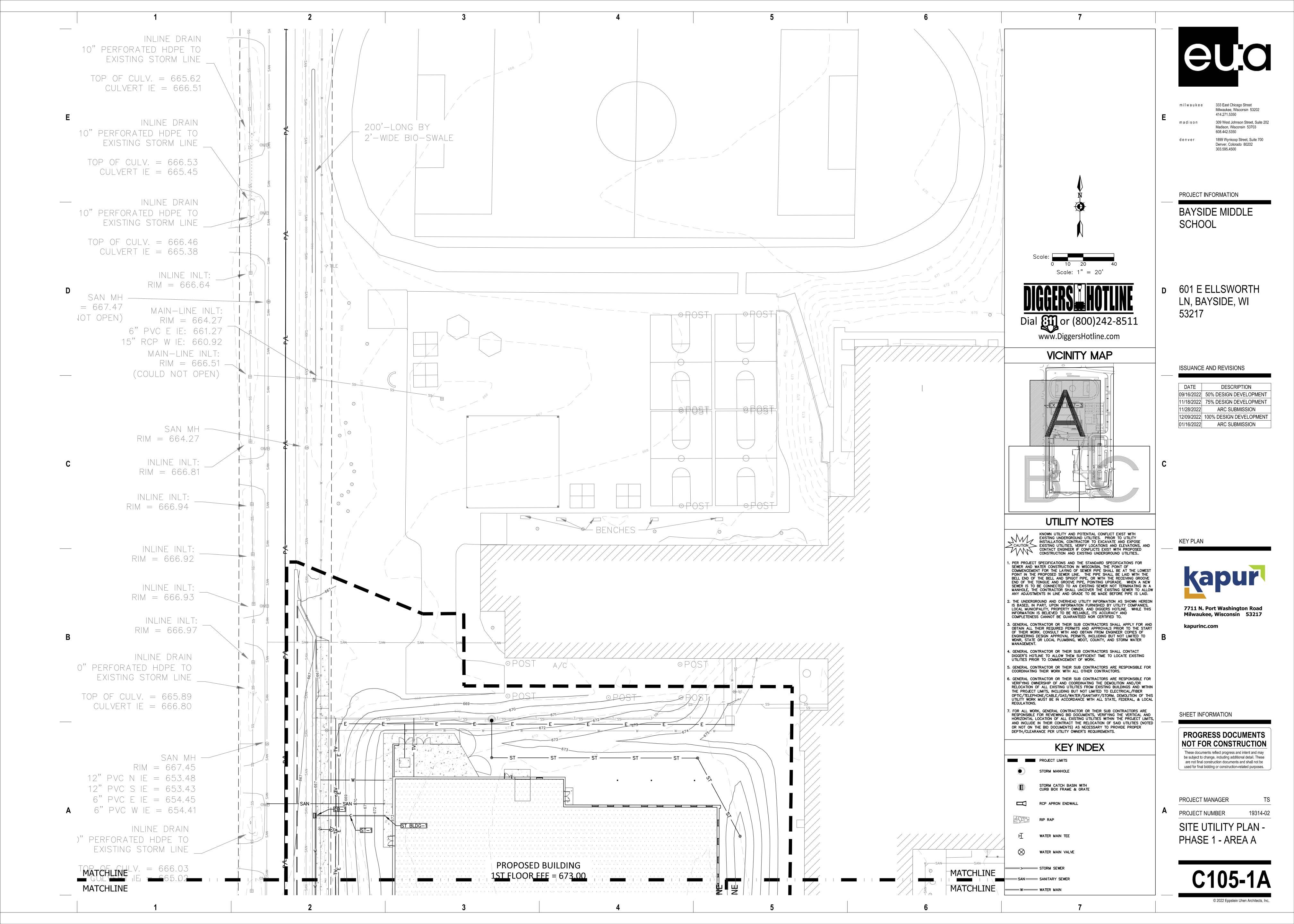
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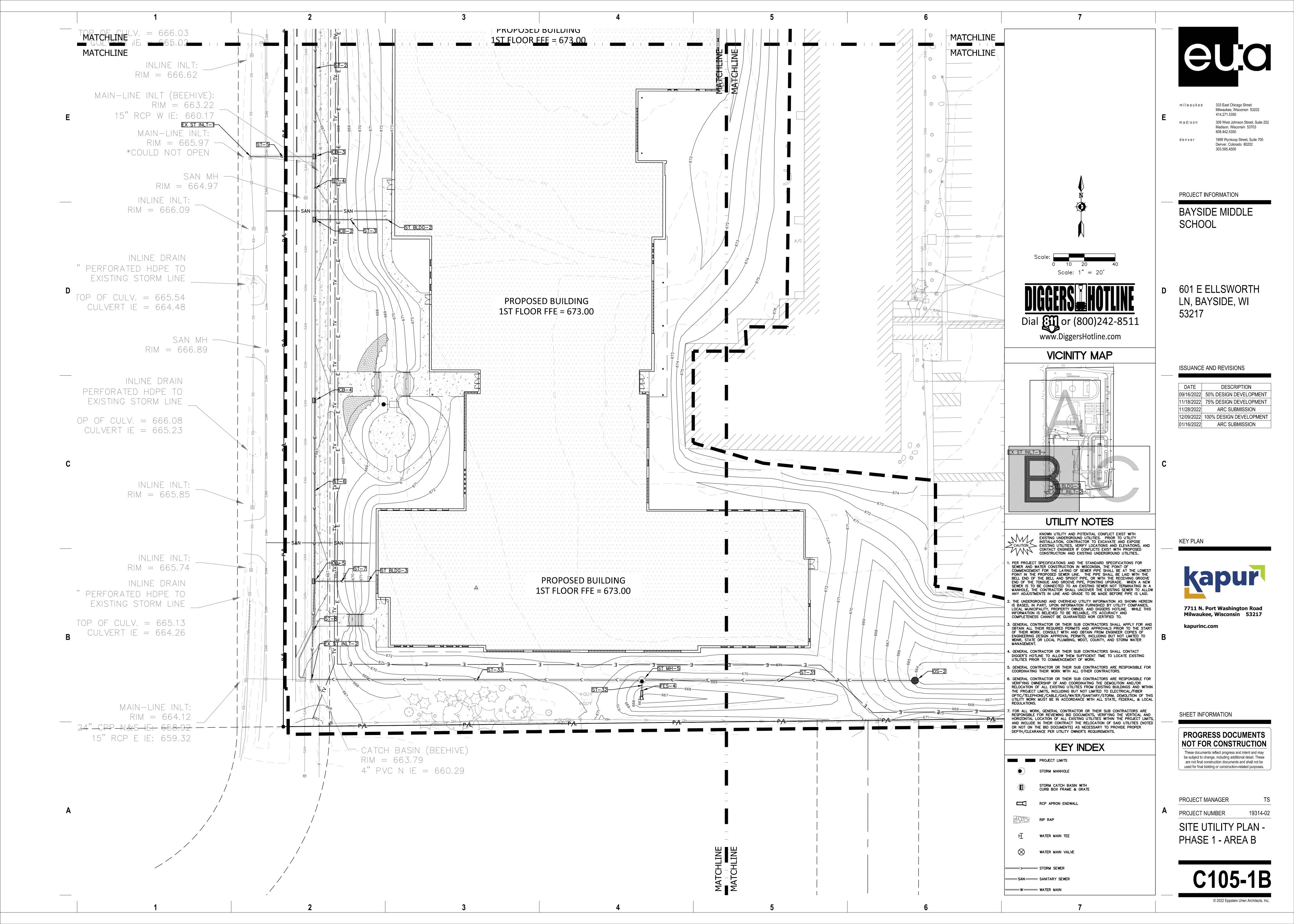
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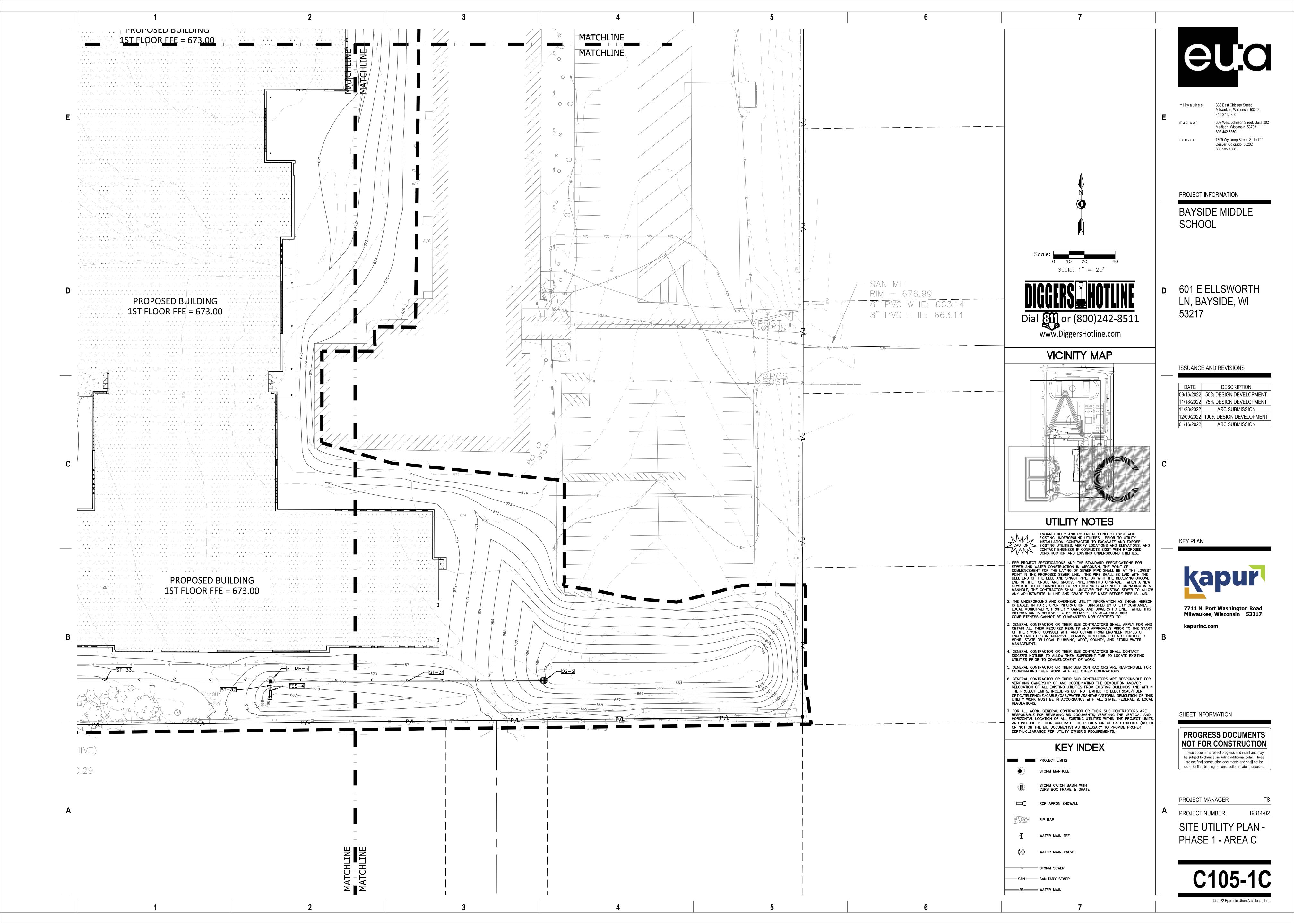
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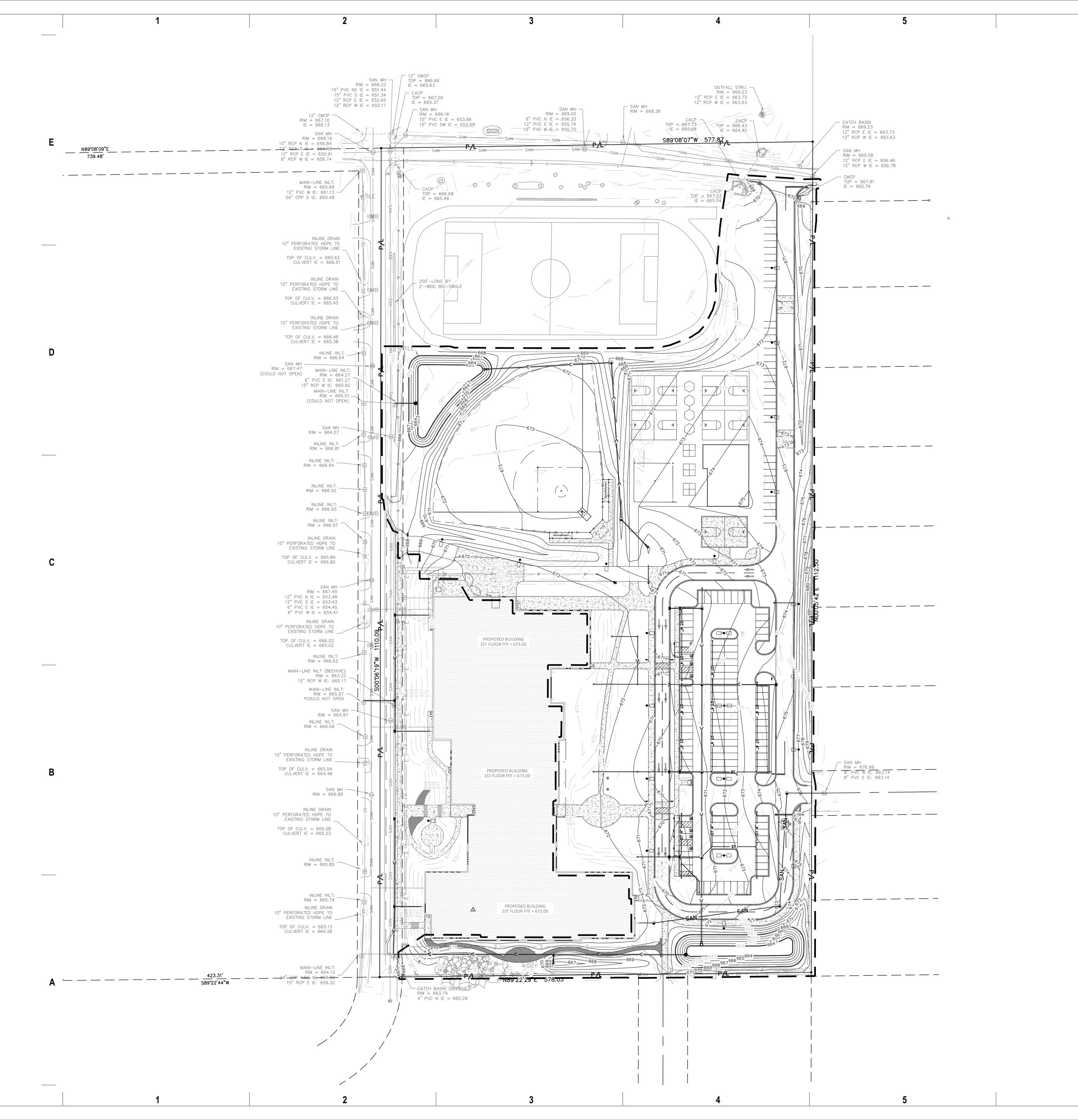
PROJECT NUMBER

**OVERALL SITE** UTILITY PLAN -PHASE 1











milwaukee 333 East Chicago Street

Milwaukee, Wisconsin 53202 414.271.5350 madison 309 West Johnson Street, Suite 202 Madison, Wisconsin 53703

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> STORM SEWER

WATER MAIN

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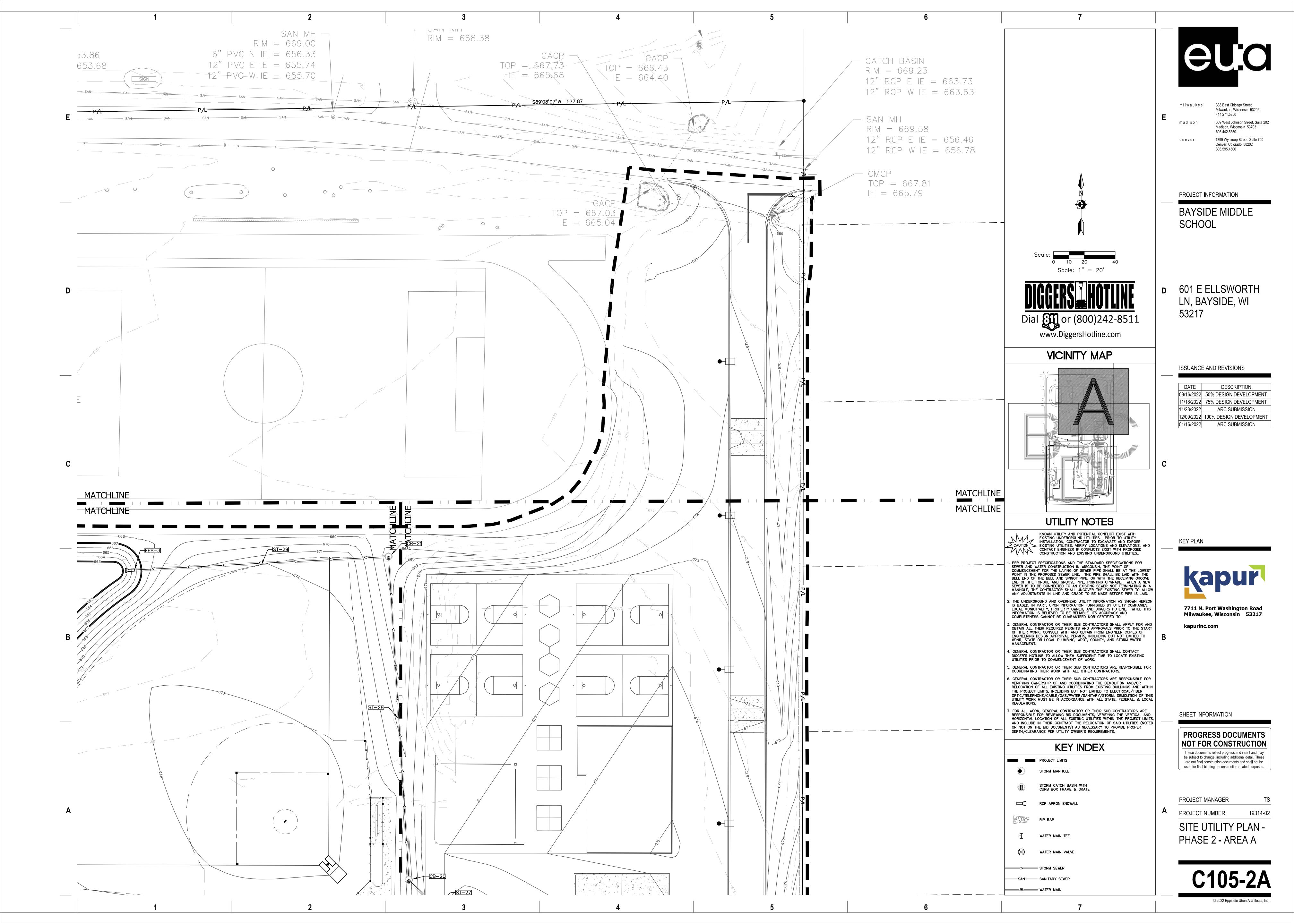
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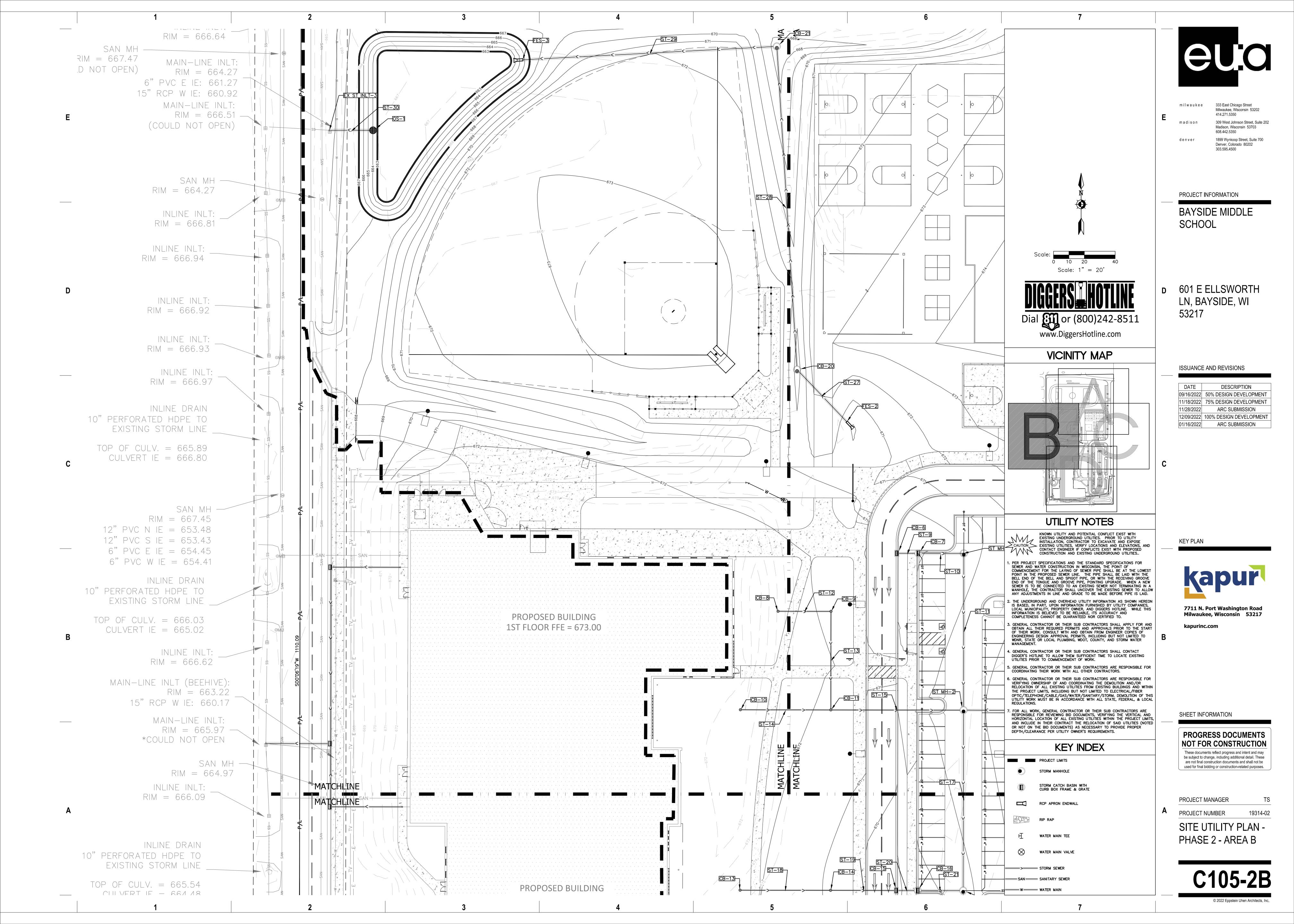
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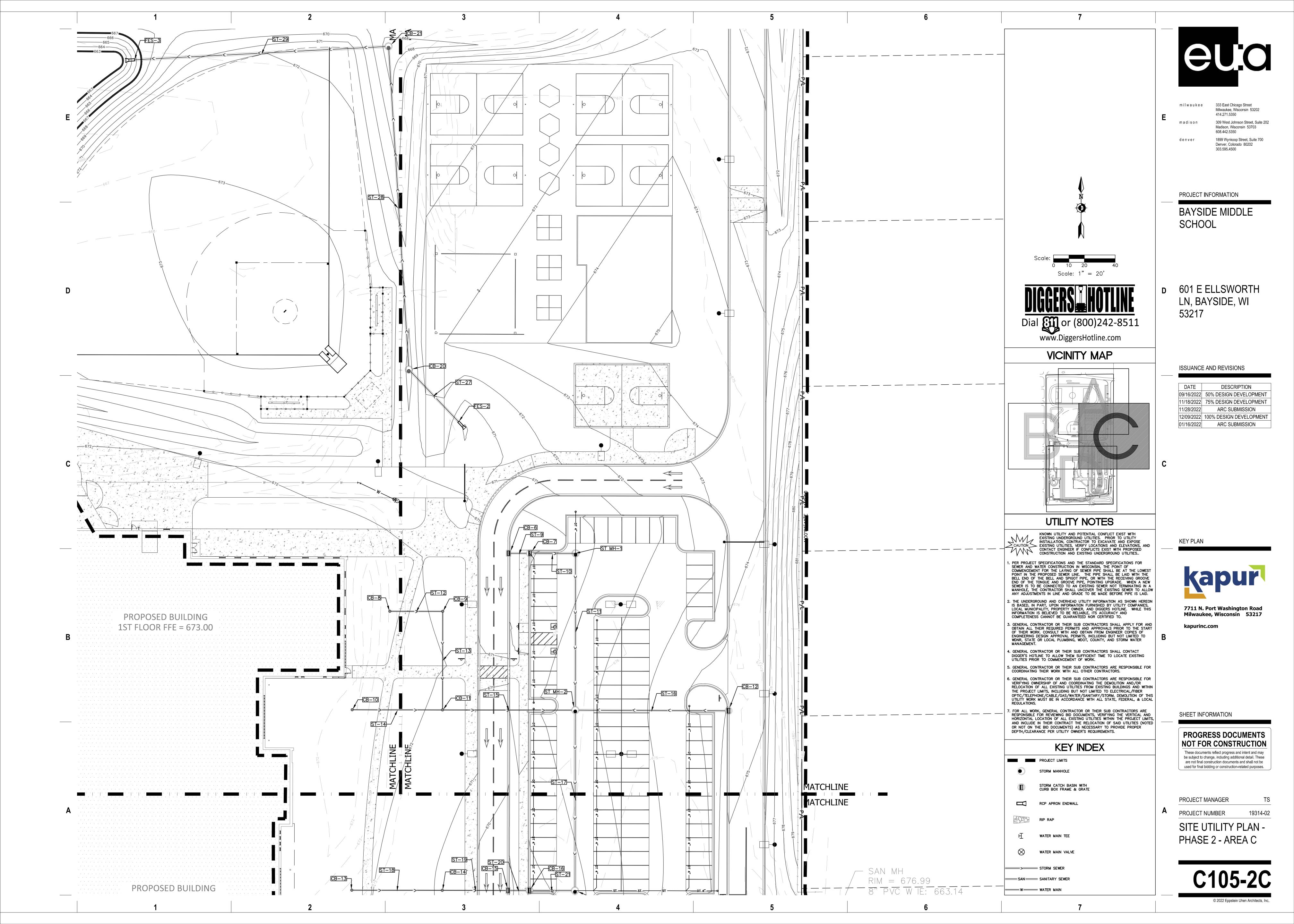
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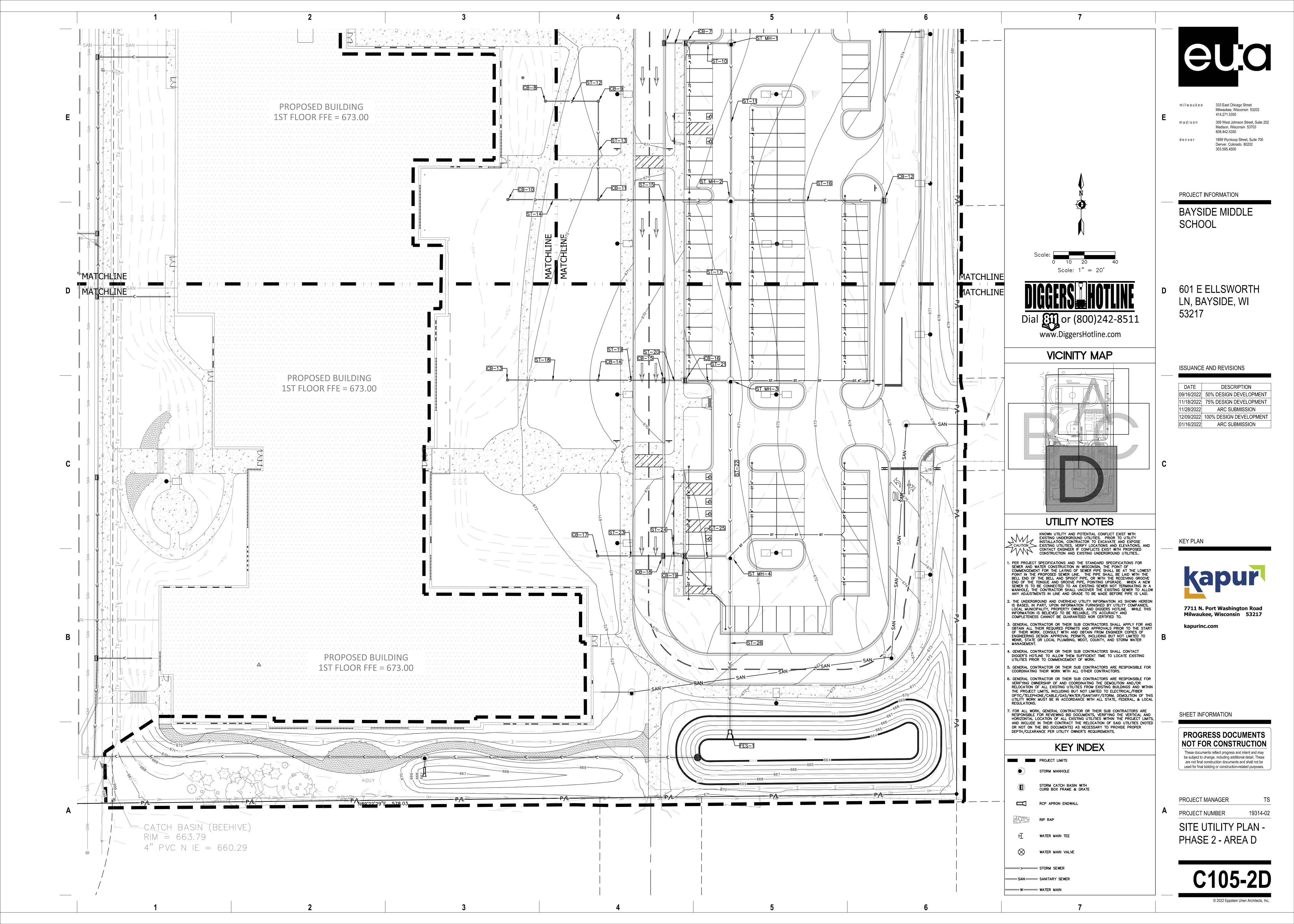
PROJECT NUMBER **OVERALL SITE** 

UTILITY PLAN -PHASE 2









STRUCTURE NAME:	TYPE (FRAME AND GRATE):	RIM ELEVATION:	PIPES IN:	PIPES OUT	вотто
CB-1	2' X 3' RECTANGULAR (R-3067)	666.53	ST-1, 10" E INV = 663.53	ST-2, 12" $S INV = 663.43$	663.43
CB-2	2' X 3' RECTANGULAR (R-3067)	666.28	ST-3, 10" E INV = 663.28	ST-4, 12" N INV = 663.18	663.18
CB-3	2' X 3' RECTANGULAR (R-3067)	666.33	ST-2, 12" N INV = 662.28 ST-4, 12" S INV = 662.77	ST-5, 15" W INV = 662.03	662.03
CB-4	2' X 3' RECTANGULAR (R-3067)	666.31		ST-6, 12" S INV = 663.31	663.3
CB-5	2' X 3' RECTANGULAR (R-3067)	666.31	ST-6, 12" N INV = 662.14 ST-7, 12" E INV = 663.31	ST-8, 15" S INV = 661.89	661.89
CB-6	2' X 3' RECTANGULAR (R-3067)	669.99		ST-9, 12" E INV = 666.76	666.76
CB-7	48" DIAMETER (R-3067)	669.88	ST-9, 12" W INV = 666.63	ST-10, 15" E INV = 666.63	666.63
CB-8	18" NYLOPLAST DRAIN (1899CGS)	672.53		ST-12, 8" E INV = 669.78	669.78
CB-9	18" NYLOPLAST DRAIN (1899CGS)	671.81	ST-12, 8" W INV = 669.44	ST-13, 8" S INV = 669.34	669.34
CB-10	18" NYLOPLAST DRAIN (1899CGS)	672.69		ST-14, 8" E INV = 671.00	671.00
CB-11	18" NYLOPLAST DRAIN (1899CGS)	671.79	ST-13, 8" N INV = 668.70 ST-14, 8" W INV = 670.41	ST-15, 8" E INV = 667.41	667.4
CB-12	48" DIAMETER (R-3067)	674.52		ST-16, 12" W INV = 671.00	669.50
CB-13	18" NYLOPLAST DRAIN (1899CGS)	672.22		ST-18, 8" E INV = 668.03	668.03
CB-14	18" NYLOPLAST DRAIN (1899CGS)	670.86	ST-18, 8" W INV = 667.44	ST-19, 8" E INV = 667.34	667.34
CB-15	2' X 3' RECTANGULAR (R-3067)	669.26	ST-19, 8" W INV = 666.91	ST-20, 12" E INV = 666.58	666.58
CB-16	48" DIAMETER (R-3067)	669.68	ST-20, 12" W INV = 666.45	ST-21, 15" E INV = 666.20	666.20
CB-17	18" NYLOPLAST DRAIN (1899CGS)	671.34		ST-23, 8" E INV = 667.03	667.03
CB-18	2' X 3' RECTANGULAR (R-3067)	669.27	ST-23, 8" W INV = 666.60	ST-24, 12" E INV = 666.27	666.27
CB-19	48" DIAMETER (R-3067)	669.48	ST-24, 12" W INV = 666.14	ST-25, 15" E INV = 665.89	665.89
CB-20	48" DIAMETER (R-2502-D)	669.46	ST-27, 12" SE INV = 666.46	ST-28, 12" N INV = 666.46	664.96
CB-21	48" DIAMETER (R-2502-D)	667.39	ST-28, 12" S INV = 665.41	ST-29, 15" W INV = 665.16	663.66
EX ST INLT-1	N/A	665.97	ST-5, 15" E INV = 661.61 EX ST, 24" N INV =	EX ST, 24" S INV =	
EX ST INLT-2	N/A	663.79	ST-8, 15" N INV = 660.50 $ST-33$ , 15" E INV = 659.94	EX ST, 15" W INV =	
EX ST INLT-3	N/A	664.27	ST-30, 15" E INV = 660.92	EX ST, 15" W INV = 660.92	
FES-1	24" RCP APRON ENDWALL		ST-26, 24" N INV = 664.00		
FES-2	12" RCP APRON ENDWALL			ST-27, 12" NW INV = 669.84	
FES-3	15" RCP APRON ENDWALL		ST-29, 15" E INV = 663.49		
FES-4	12" RCP APRON ENDWALL			ST-32, 12" N INV = 666.22	
0S-1	48" OUTLET STRUCTURE			ST-30, 15" W INV = 661.00	659.50
0S-2	48" OUTLET STRUCTURE			ST-31, 18" W INV = 662.00	660.50
ST BLDG-1	N/A			ST-1, 10" W INV = 665.78	
ST BLDG-2	N/A			ST-3, 10" W INV = 665.61	
ST BLDG-3	N/A			ST-7, 12" W INV = 665.06	
ST MH-1	48" DIAMETER (R-1661)	670.65	ST-10, 15" W INV = 666.48	ST-11, 15" S INV = 666.48	666.48
ST MH-2	48" DIAMETER (R-1661)	671.58	ST-11, 15" N INV = 665.97 ST-15, 8" W INV = 666.55 ST-16, 12" E INV = 668.03	ST-17, 18" S INV = 665.72	665.72
ST MH-3	48" DIAMETER (R-1661)	670.70	ST-17, 18" N INV = 665.43 ST-21, 15" W INV = 665.90	ST-22, 24" S INV = 664.93	664.93
ST MH-4	60" DIAMETER (R-1661)	667.08	ST-25, 15" W INV = 665.59 ST-22, 24" N INV = 664.64	ST-26, 24" S INV = 664.54	
ST MH-5	48" DIAMETER (R-1661)	669.72	ST-32, 12" $S INV = 666.15ST-31$ , 18" $E INV = 661.11$	ST-33, 15" W INV = 661.01	661.0
-	•	•	•	•	•

STORM SEWER STRUCTURE TABLE

				STORM SE	EWER PIF	PE TABL	_E	
PIPE NAME:	FROM:	ТО:	UPSTREAM INVERT ELEVATION:	DOWNSTREAM INVERT ELEVATION:	LENGTH:	SLOPE:	SIZE AND MATERIAL:	GPM:
ST-1	ST BLDG-1	CB-1	665.78	663.53	45.03'	5.00%	10" SDR 35 PVC PIPE	
ST-2	CB-1	CB-3	663.43	662.28	114.57	1.00%	12" SMOOTH INTERIOR WALL HDPE PIPE	
ST-3	ST BLDG-2	CB-2	665.61	663.28	46.70'	5.00%	10" SDR 35 PVC PIPE	
ST-4	CB-2	CB-3	663.18	662.77	40.98'	1.00%	12" SMOOTH INTERIOR WALL HDPE PIPE	
ST-5	CB-3	EX ST INLT-1	662.03	661.61	41.99'	1.00%	15" CLASS IV RCP	
ST-6	CB-4	CB-5	663.31	662.14	117.39'	1.00%	12" SMOOTH INTERIOR WALL HDPE PIPE	
ST-7	ST BLDG-3	CB-5	665.06	663.31	35.00'	5.00%	12" SDR 35 PVC PIPE	
ST-8	CB-5	EX ST INLT-2	661.89	660.50	63.86'	2.18%	15" CLASS IV RCP	
ST-9	CB-6	CB-7	666.76	666.63	13.00'	1.00%	12" SMOOTH INTERIOR WALL HDPE PIPE	
ST-10	CB-7	ST MH-1	666.63	666.48	30.00'	0.50%	15" SMOOTH INTERIOR WALL HDPE PIPE	
ST-11	ST MH-1	ST MH-2	666.48	665.97	101.80'	0.50%	15" SMOOTH INTERIOR WALL HDPE PIPE	
ST-12	CB-8	CB-9	669.78	669.44	34.33'	1.00%	8" SDR 35 PVC PIPE	
ST-13	CB-9	CB-11	669.34	668.70	63.99'	1.00%	8" SDR 35 PVC PIPE	
ST-14	CB-10	CB-11	671.00	670.41	58.67'	1.00%	8" SDR 35 PVC PIPE	
ST-15	CB-11	ST MH-2	667.41	666.55	86.14'	1.00%	8" SDR 35 PVC PIPE	
ST-16	CB-12	ST MH-2	671.00	668.03	99.00'	3.00%	12" SMOOTH INTERIOR WALL HDPE PIPE	
ST-17	ST MH-2	ST MH-3	665.72	665.43	117.14'	0.25%	18" SMOOTH INTERIOR WALL HDPE PIPE	
ST-18	CB-13	CB-14	668.03	667.44	58.73'	1.00%	8" SDR 35 PVC PIPE	
ST-19	CB-14	CB-15	667.34	666.91	43.08'	1.00%	8" SDR 35 PVC PIPE	
ST-20	CB-15	CB-16	666.58	666.45	13.00'	1.00%	12" SMOOTH INTERIOR WALL HDPE PIPE	
ST-21	CB-16	ST MH-3	666.20	665.90	30.00'	1.00%	15" SMOOTH INTERIOR WALL HDPE PIPE	
ST-22	ST MH-3	ST MH-4	664.93	664.64	114.06'	0.25%	24" SMOOTH INTERIOR WALL HDPE PIPE	
ST-23	CB-17	CB-18	667.03	666.60	43.02'	1.00%	8" SDR 35 PVC PIPE	
ST-24	CB-18	CB-19	666.27	666.14	13.00'	1.00%	12" SMOOTH INTERIOR WALL HDPE PIPE	
ST-25	CB-19	ST MH-4	665.89	665.59	30.00'	1.00%	15" SMOOTH INTERIOR WALL HDPE PIPE	
ST-26	ST MH-4	FES-1	664.54	664.00	113.06'	0.48%	24" CLASS IV RCP	
ST-27	FES-2	CB-20	669.84	666.46	46.77'	7.23%	12" CLASS IV RCP	
ST-28	CB-20	CB-21	666.46	665.41	210.24'	0.50%	12" SMOOTH INTERIOR WALL HDPE PIPE	
ST-29	CB-21	FES-3	665.16	663.49	165.16'	1.01%	15" CLASS IV RCP	
ST-30	0S-1	EX ST INLT-3	661.00	660.92	28.33'	0.28%	15" CLASS IV RCP	
ST-31	0S-2	ST MH-5	662.00	661.11	177.12'	0.50%	18" SMOOTH INTERIOR WALL HDPE PIPE	
ST-32	FES-4	ST MH-5	666.22	666.15	6.78'	1.00%	12" CLASS IV RCP	
ST-33	ST MH-5	EX ST INLT-2	661.01	659.94	214.58'	0.50%	15" CLASS IV RCP	



m i I w a u k e e 333 East Chicago Street
Milwaukee, Wisconsin 53202 414.271.5350

309 West Johnson Street, Suite 202 Madison, Wisconsin 53703 608.442.5350 1899 Wynkoop Street, Suite 700 Denver, Colorado 80202 303.595.4500

PROJECT INFORMATION

**BAYSIDE MIDDLE** SCHOOL

D 601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
09/16/2022	50% DESIGN DEVELOPMENT
11/18/2022	75% DESIGN DEVELOPMENT
11/28/2022	ARC SUBMISSION
12/09/2022	100% DESIGN DEVELOPMENT
01/16/2022	ARC SUBMISSION

KEY PLAN



7711 N. Port Washington Road Milwaukee, Wisconsin 53217 kapurinc.com

SHEET INFORMATION

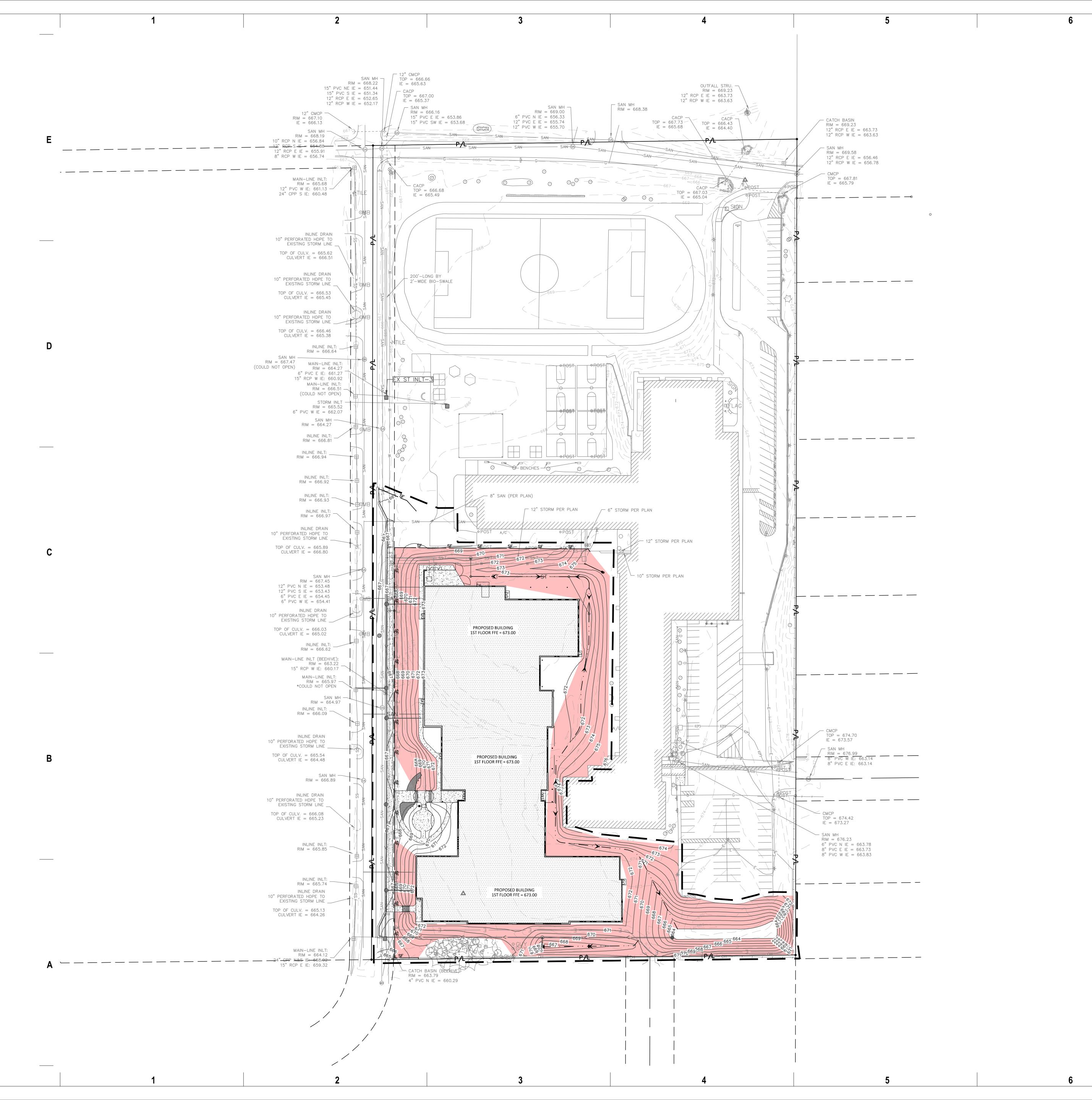
PROGRESS DOCUMENTS NOT FOR CONSTRUCTION These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER

A PROJECT NUMBER

SITE UTILITY

**TABLES** 





madison

n 309 West Johnson Street, Suite 202 Madison, Wisconsin 53703 608.442.5350 1899 Wynkoop Street, Suite 700 Denver, Colorado 80202

303.595.4500

414.271.5350

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

D 601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

KEY PLAN

7711 N. Port Washington Road

Milwaukee, Wisconsin 53217

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SHEET INFORMATION

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used for final bidding or construction-related purposes.

 DATE
 DESCRIPTION

 09/16/2022
 50% DESIGN DEVELOPMENT

 11/18/2022
 75% DESIGN DEVELOPMENT

 11/28/2022
 ARC SUBMISSION

 12/09/2022
 100% DESIGN DEVELOPMENT

 01/16/2022
 ARC SUBMISSION

EROSION NOTES

www.DiggersHotline.com

Scale: 1" = 50'

INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING, GRUBBING OR OTHER LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EVERY PRECIPITATION EVENT OF 0.50 INCH OR GREATER. IN ADDITION THE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS AND DOCUMENT CONDITIONS AND REPAIRS MADE ALONG WITH DATE, TIME OF INSPECTION AND WEATHER CONDITIONS IN A DAILY LOG BOOK. THE DAILY LOG BOOK, WEEKLY / 0.50 INCH PRECIPITATION REPORTS, APPROVED PLANS AND WPDES PERMIT SHALL BE KEPT IN AN ACCESSIBLE LOCATION, LIKE A MAILBOX, WITHIN THE STAGING AREA.

AT ABSOLUTELY NO TIME MAY CONSTRUCTION EQUIPMENT, DEBRIS, FILL, ETC. BE PLACED WITHIN WETLANDS, WATERWAYS OR FLOOD PLAINS UNLESS IDENTIFIED IN THE PLANS.

#### POINTS OF CONTACT

LAND OWNER:

---- - PRESIDENT
---- STREET
----, WI ---PHONE: (----) ------

PROJECT ENGINEER:

THOMAS PEREZ, P.E.
KAPUR & ASSOCIATES, INC
7711 NORTH PORT WASHINGTON ROAD
MILWAUKEE, WI 53217
PHONE: (414) 351-6668

---- PROJECT MANAGER
---- CONSTRUCTION
---- STREET
----, WI ---PHONE: (----) -------

CONSTRUCTION MANAGER:

#### KEY INDEX

PROJECT LIMITS

INSTALL EROSION MAT ON ALL SLOPES
GREATER THAN 4:1 AND ALL DRAINAGE
SWALES

USE CLASS I, TYPE A FROM WISDOT
PRODUCT APPROVED LIST FOR ALL SIDE
SLOPES

USE CLASS II, TYPE B FOR ALL DRAINAGE SWALES. INSTALL EROSION MAT ON THE BOTTOM OF AND A MINIMUM OF 2 FEET VERTICALLY UP THE SIDE SLOPES OF ALL DRAINAGE SWALES. CLASS I, TYPE A MAY BE USED FOR THE REMAINDER OF THE SIDE SLOPES IN DRAINAGE SWALES EXCEEDING 2 FEET VERTICALLY.

INSTALL CLASS III TRM, TYPE B FROM WISDOT PRODUCT APPROVED LIST. CLASS I, TYPE A MUST ALSO BE INSTALLED IN THIS AREA PER WDNR TECHNICAL BULLETIN 1053

——— SF —— FILTER FABRIC FENCE

——— SSCK SILT SOCK

DESIGNATES PROPOSED INLETS THAT MUST BE PROTECTED AFTER THEY HAVE BEEN CONSTRUCTED.

DESIGNATES EXISTING INLETS THAT MUST BE PROTECTED

TRIANGULAR SILT DIKES

PROJECT NUMBER

OVERALL SITE

PLAN - PHASE 1

**EROSION CONTROL** 

PROJECT MANAGER

C106-1

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