EXISTING CONDITIONS SURVEY

LOT 20, SECOND ADDITION TO FITCHBURG RESEARCH PARK, LOCATED IN PART OF THE THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 09 AND IN PART OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 10, TOWNSHIP 06 NORTH, RANGE 09 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

LEGEND

- GOVERNMENT CORNER
- ¾" REBAR FOUND
- 3/4" x 24" REBAR SET (1.50 LBS/LF)
- BENCHMARK
- SIGN
- SANITARY MANHOLE
- HYDRANT
- WATER VALVE
- CURB STOP/SERVICE VALVE
- STORM MANHOLE
- CURB INLET
- ENDWALL/END OF PIPE
- GAS VALVE
- LIGHT POLE
- TRAFFIC SIGNAL
- VAULT
- TELEPHONE PEDESTAL
- DECIDUOUS TREE
- PARCEL BOUNDARY
- RIGHT-OF-WAY LINE
- CENTERLINE
- CHORD LINE
- SECTION LINE
- PLATTED LOT LINE
- EASEMENT LINE
- SETBACK LINE
- CONCRETE CURB & GUTTER
- SANITARY SEWER
- WATER LINE
- STORM SEWER
- NATURAL GAS
- UNDERGROUND ELECTRIC
- FIBER OPTIC
- 965 INDEX CONTOUR
- 964 INTERMEDIATE CONTOUR
- NON-NAVIGABLE STREAM
- DELINEATED WETLANDS
- DITCH LINE
- BITUMINOUS PAVEMENT
- CONCRETE PAVEMENT
- RETAINING WALL
- GRAVEL
- END OF FLAGGED UTILITIES
- ( ) DENOTES RECORDED AS MEASUREMENTS DEPICTING THE SAME LINE ON THE GROUND AS RETRACED BY THIS SURVEY

VICINITY MAP
NOT TO SCALE

NOTES

1. FIELD WORK PERFORMED ON JUNE 15, 19 AND 20, 2023.
2. BEARINGS FOR THIS SURVEY AND MAP ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DANE COUNTY. THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 09-06-09, RECORDED AS N89°24'35"W.
3. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). BENCHMARK IS A ALUMINUM MONUMENT MARKING THE SOUTHEAST CORNER OF SECTION 09, T06N, R09E, ELEVATION = 971.51'
4. CONTOUR INTERVAL IS ONE FOOT.
6. SUBSURFACE UTILITIES AND FEATURES SHOWN ON THIS MAP HAVE BEEN APPROXIMATED BY LOCATING SURFICIAL FEATURES AND APPURTENANCES, LOCATING DIGGERS HOTLINE FIELD MARKINGS AND BY REFERENCE TO UTILITY RECORDS AND MAPS. DIGGER'S HOTLINE TICKET No.'s 20232212140, 20232212150, 20232212186 AND 20232212248, WITH A CLEAR DATE OF JUNE 10, 2023.
7. UTILITY COMPANIES CONTACTED THRU DIGGERS HOTLINE:
   - CITY OF FITCHBURG
   - MADISON GAS AND ELECTRIC COMPANY
   - WIN, LLC
   - MCI
   - PROMEGA
   - TDS METROCOM
   - CHARTER COMMUNICATIONS
   - EVERSTREAM
   - CITY OF MADISON ENGINEERING
   - WINDSTREAM
   - AT&T DISTRIBUTION
   - LEVEL 3 NOW LUMEN
8. BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED. FOR EXACT LOCATION OF UNDERGROUND UTILITIES, CONTACT DIGGERS HOTLINE, AT 1.800.242.8511.
9. THIS PARCEL IS ZONED I-S, SPECIALIZED INDUSTRIAL DISTRICT PER THE CITY OF FITCHBURG ZONING MAP.
10. ROADWAY UTILITY RECORD DRAWINGS WERE REQUESTED FROM THE CITY OF FITCHBURG. THE UTILITIES SHOWN REPRESENT FIELD LOCATED UTILITIES IN COMBINATION WITH THE SUPPLIED CITY RECORDS.
11. DECLARATION OF PROTECTIVE COVENANTS, DOCUMENT No. 2032194.
12. WETLANDS DETERMINED BY HEARTLAND ECOLOGICAL GROUP, INC. THE WEEK OF JULY 10-14, 2023.

LEGAL DESCRIPTION

LOT 20, SECOND ADDITION TO FITCHBURG RESEARCH PARK, RECORDED IN VOLUME 57-66A OF PLATS ON PAGE 264 AS DOCUMENT NUMBER 2819077, CITY OF FITCHBURG, DANE COUNTY WISCONSIN.

TAX PARCEL No.: 225/0609-103-4594-1

SURVEYOR'S CERTIFICATE

I, JOHN KREBS, WISCONSIN PROFESSIONAL LAND SURVEYOR NO. S-1878, HEREBY CERTIFY THAT UNDER THE DIRECTION OF THE CITY OF FITCHBURG THIS SURVEY AND MAP HAS BEEN PREPARED AND COMPLIES WITH WISCONSIN ADMINISTRATIVE CODE A-E7 AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF IN ACCORDANCE WITH THE INFORMATION PROVIDED.

JOHN KREBS, S-1878
PROFESSIONAL LAND SURVEYOR

DATE

WISCONSIN JOHN KREBS S-1878 McFARLAND, WISCONSIN LAND SURVEYOR

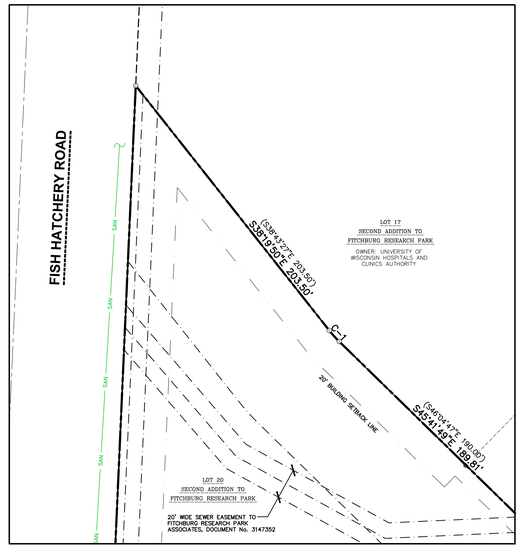
STORM SEWER INLETS					
INLET ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
INL-1	963.02	E	958.17	24"	RCP
		W	958.12	24"	RCP
INL-2	967.90	SE	961.15	48"x72"	BOX
		NW	961.15	48"x72"	BOX
INL-3	967.32	S	961.02	42"	RCP
		N	960.97	42"	RCP

SANITARY SEWER MANHOLES					
STRUCT. ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
SAN-1	965.22	SE	955.86	8"	PVC
		N	955.80	8"	PVC
SAN-2	972.57	E	961.72	12"	PVC
		S	962.72	12"	PVC
		W	961.66	12"	PVC
SAN-3	970.19	E	960.29	12"	PVC
		S	960.24	12"	PVC
		W	960.20	12"	PVC
SAN-4	967.65	E	958.46	12"	PVC
		S	957.66	*	*
		NE	957.34	12"	PVC
SAN-5	956.96	SW	945.91	12"	PVC
		N	945.69	12"	PVC
SAN-6	957.27	S	943.82	12"	PVC
		N	943.67	12"	PVC

BENCHMARKS		
BENCH MARK	ELEVATION	DESCRIPTION
BM-1	966.33	BURY BOLT ON HYDRANT ON RESEARCH PARK DRIVE
BM-2	973.78	BURY BOLT ON HYDRANT, NE QUADRANT OF RESEARCH PARK DRIVE AND LACY ROAD
BM-3	972.09	BURY BOLT ON HYDRANT, APPROXIMATELY 400 FEET EAST OF FISH HATCHERY ROAD

*JSD PROFESSIONAL SERVICES, INC. DOES NOT GUARANTEE THAT THE BENCHMARK ELEVATIONS LISTED ON THIS MAP HAVE NOT BEEN DISTURBED SINCE THE DATE OF THIS SURVEY AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION ACTIVITIES.

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD	CHORD BEARING
C-1	9.63'	75.00'	7°21'15"	9.62'	S42°00'30"E
( )	9.632'	75.00'	7°21'20"	9.62'	S42°24'07"E
C-2	84.11'	100.00'	48°11'31"	81.65'	S21°36'03"E
( )	84.17'	100.00'	48°13'38"	81.71'	S21°57'58"E
C-3	37.18'	25.00'	85°13'09"	33.85'	S44°28'32"W
( )	37.18'	25.00'	85°14'18"	33.85'	S44°05'05"W



DETAIL A
SCALE 1" = 40'

north
SCALE IN FEET
40' 0 40'
SCALE 1" = 40'

MODIFICATIONS:

#	Date:	Description:
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Prepared By: INIT 00/00/00

SHEET TITLE:
EXISTING CONDITIONS SURVEY

SHEET NUMBER:
1 OF 1

PROJECT NO: 23-13070

JSD
CREATE THE VISION TELL THE STORY
jsdinc.com
MADISON REGIONAL OFFICE
161 HORIZON DRIVE, SUITE 101
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
CITY OF FITCHBURG

CLIENT ADDRESS:
5520 LACY ROAD
FITCHBURG, WI

PROJECT:
FITCHBURG POLICE STATION

PROJECT LOCATION:
5540 LACY ROAD
FITCHBURG, WI
DANE COUNTY

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LEGEND

- PROPERTY LINE
- RIGHT–OF–WAY
- EASEMENT LINE
- DEMOLITION – REMOVAL OF ASPHALT SURFACES
- DEMOLITION – REMOVAL OF CONCRETE SURFACES
- DEMOLITION – REMOVAL OF UTILITIES
- BUILDING OUTLINE
- FUTURE BUILDING ADDITION
- BUILDING SETBACK LINE
- EDGE OF PAVEMENT
- 30" STANDARD CURB AND GUTTER
- 30" REJECT CURB AND GUTTER
- 30" VALLEY GUTTER
- 24" CURB AND GUTTER
- 18" STANDARD CURB AND GUTTER
- 18" REJECT CURB AND GUTTER
- 18" MOUNTABLE CURB AND GUTTER
- RIBBON CURB OR VALLEY GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- 959 PROPOSED 1 FOOT CONTOUR
- 960 PROPOSED 5 FOOT CONTOUR
- 959 EXISTING 1 FOOT CONTOUR
- 960 EXISTING 5 FOOT CONTOUR
- DRAINAGE DIRECTION
- GRADE BREAK
- STORMWATER MANAGEMENT AREA
- RETAINING WALL
- X RAILING
- FENCE
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- ADA PARKING SIGN
- FLAG POLE
- BOLLARD
- BIKE RACK
- WHEEL STOP
- ELECTRIC VEHICLE CHARGING STATION
- TREE REMOVAL
- PROTECT EXISTING TREE
- SAWCUT EXISTING PAVEMENT
- SANITARY SEWER
- W WATERMAIN
- STORM SEWER
- 8"x4'x4" INSULATION (PLAN VIEW)
- 8"x4'x4" INSULATION (PROFILE VIEW)
- SILT FENCE
- RIP–RAP
- CONSTRUCTION ENTRANCE
- EROSION MATTING
- TURF REINFORCEMENT MATTING
- SPOT ELEVATION
  - EP – EDGE OF PAVEMENT
  - FG – FINISH GRADE
  - EC – EDGE OF CONCRETE
  - EX – MATCH EXISTING GRADE
  - TW – TOP OF WALL
  - BW – BOTTOM OF WALL
  - SW – SIDEWALK

FG: 887.63

- DITCH CHECK
- FRAMED INLET PROTECTION

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P. 608.848.5060

CLIENT:
FGM ARCHITECTS

CLIENT ADDRESS:
219 N MILWAUKEE ST, #325
MILWAUKEE, WI, 53202

PROJECT:
CITY OF FITCHBURG POLICE STATION

PROJECT LOCATION:
5540 LACY DRIVE
CITY OF FITCHBURG, DANE CTY
WISCONSIN, 53711

PLAN MODIFICATIONS:

#	Date:	Description:
1	11.01.24	SCHEMATIC DESIGN SET
2	01.10.25	50% DESIGN DEVELOPMENT
3	02.21.25	100% DESIGN DEVELOPMENT QAQC
4	02.28.25	100% DESIGN DEVELOPMENT
5	03.17.25	ADR SUBMITTAL
6		
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Designed By: MSS
Reviewed By:
Approved By:

SHEET TITLE:
GENERAL NOTES AND LEGEND

SHEET NUMBER:
C0.1

JSD PROJECT NO: 23-13070

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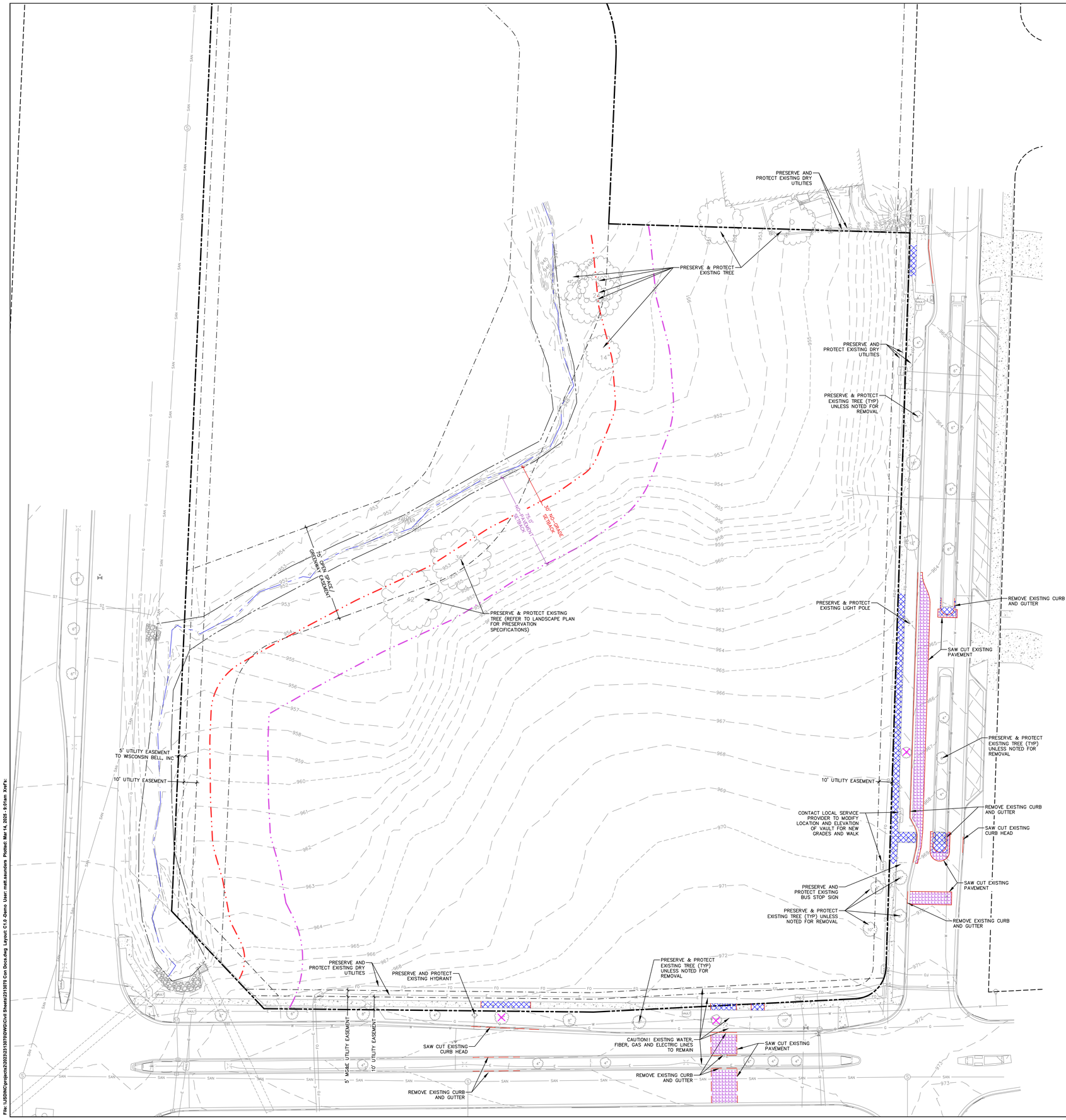

north

SCALE IN FEET

30' 0 30'

DIGGERS HOTLINE

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WISCONSIN, 53711

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5	03.17.25	ADR SUBMITTAL
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Designed By: MSS
Reviewed By:
Approved By:

SHEET TITLE:
DEMOLITION PLAN

SHEET NUMBER:
C1.0

JSD PROJECT NO: 23-13070

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SITE INFORMATION BLOCK	
SITE ADDRESS	5540 LACY ROAD
PROPERTY ACREAGE	10.00 ACRES
NUMBER OF PARKING STALLS	
SURFACE	
STANDARD	46
ACCESSIBLE	4
TOTAL SURFACE	50
SURFACE IN R.O.W.	
STANDARD	7
ACCESSIBLE	1
TOTAL SURFACE	8
UNDERGROUND	(REFER TO ARCHITECTURAL)
NUMBER OF BICYCLE STALLS:	20
EXISTING VS. PROPOSED SITE COVERAGE	
EXISTING IMPERVIOUS SURFACE AREA	1,711 SF
EXISTING PERVIOUS SURFACE AREA	433,991 SF
EXISTING IMPERVIOUS SURFACE AREA RATIO	0.004
PROPOSED IMPERVIOUS SURFACE AREA	90,002 SF
PROPOSED PERVIOUS SURFACE AREA	345,700 SF
PROPOSED IMPERVIOUS SURFACE AREA RATIO	0.207

FISH HATCHERY ROAD (SB)

FISH HATCHERY ROAD (NB)

BIORETENTION BASIN

PROPOSED BUILDING

RESEARCH PARK BLVD

LACY ROAD (WB)

LACY ROAD (EB)

5' UTILITY EASEMENT TO WISCONSIN BELL, INC

10' UTILITY EASEMENT

30' BUILDING SETBACK

75.0' GREEN SPACE/ GROUNDWAY EASEMENT

30' NO GRADE SETBACK

24.0'

20.0'

22.7'

10.0'

26.0'

33.8'

21.5'

15.8'

7.3'

13.6'

30' BUILDING SETBACK

5' MG&E UTILITY EASEMENT

10' UTILITY EASEMENT

36"

42"

24"

14"

north

SCALE IN FEET

30' 0 30'

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P. 608.848.5060

CLIENT:
FGM ARCHITECTS

CLIENT ADDRESS:
219 N MILWAUKEE ST, #325
MILWAUKEE, WI, 53202

PROJECT:
CITY OF FITCHBURG
POLICE STATION

PROJECT LOCATION:
5540 LACY DRIVE
CITY OF FITCHBURG, DANE CTY
WISCONSIN, 53711

PLAN MODIFICATIONS:

#	Date:	Description:
1	11.01.24	SCHEMATIC DESIGN SET
2	01.10.25	50% DESIGN DEVELOPMENT
3	02.21.25	100% DESIGN DEVELOPMENT QAQC
4	02.28.25	100% DESIGN DEVELOPMENT
5	03.17.25	ADR SUBMITTAL
6		
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Designed By: MSS
Reviewed By:
Approved By:

SHEET TITLE:
SITE PLAN - OVERALL

SHEET NUMBER:
C2.0

JSD PROJECT NO: 23-13070

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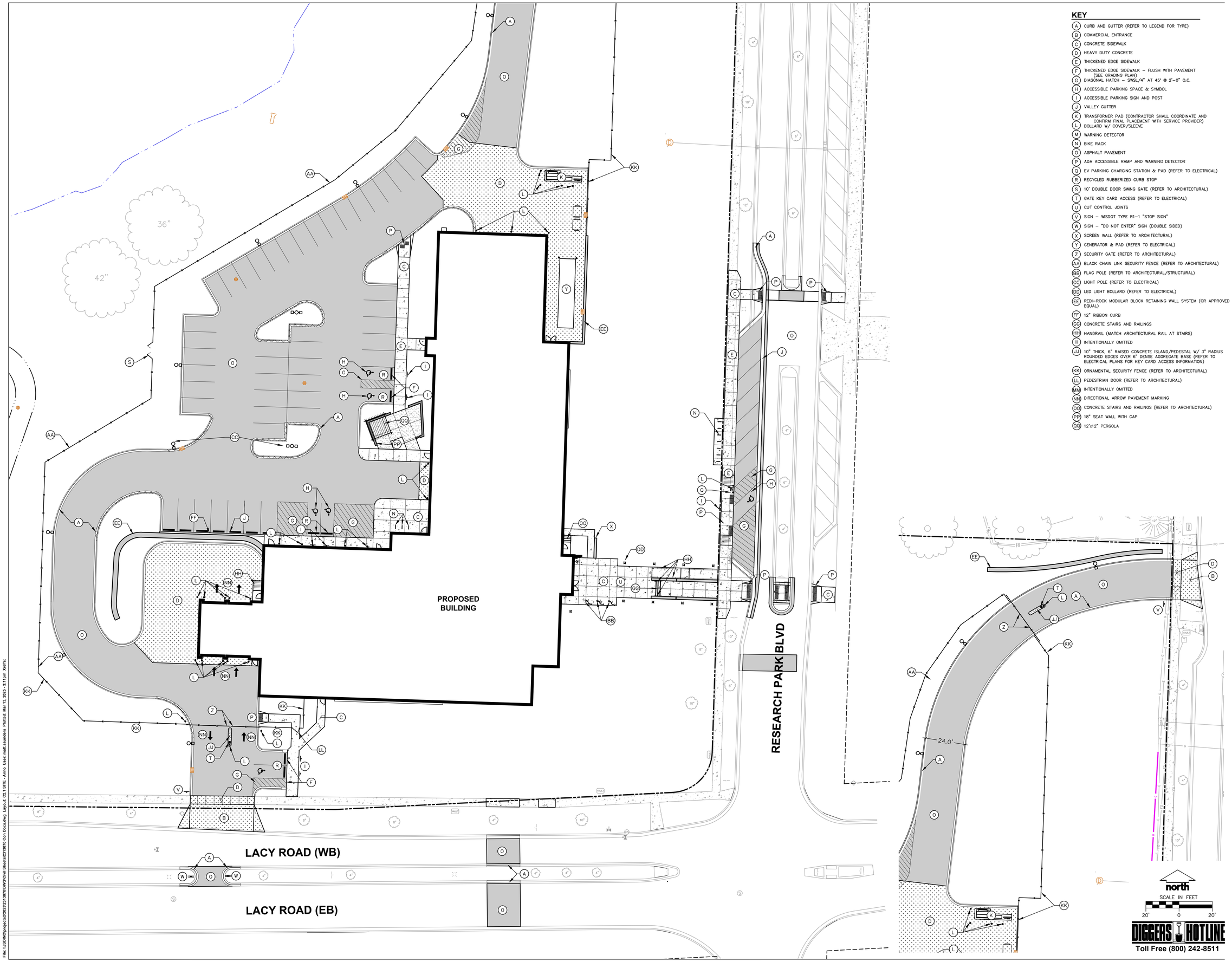

KEY

- A CURB AND GUTTER (REFER TO LEGEND FOR TYPE)
- B COMMERCIAL ENTRANCE
- C CONCRETE SIDEWALK
- D HEAVY DUTY CONCRETE
- E THICKENED EDGE SIDEWALK
- F THICKENED EDGE SIDEWALK – FLUSH WITH PAVEMENT (SEE GRADING PLAN)
- G DIAGONAL HATCH – SWSL/4" AT 45° @ 2'–0" O.C.
- H ACCESSIBLE PARKING SPACE & SYMBOL
- I ACCESSIBLE PARKING SIGN AND POST
- J VALLEY GUTTER
- K TRANSFORMER PAD (CONTRACTOR SHALL COORDINATE AND CONFIRM FINAL PLACEMENT WITH SERVICE PROVIDER)
- L BOLLARD W/ COVER/SLEEVE
- M WARNING DETECTOR
- N BIKE RACK
- O ASPHALT PAVEMENT
- P ADA ACCESSIBLE RAMP AND WARNING DETECTOR
- Q EV PARKING CHARGING STATION & PAD (REFER TO ELECTRICAL)
- R RECYCLED RUBBERIZED CURB STOP
- S 10' DOUBLE DOOR SWING GATE (REFER TO ARCHITECTURAL)
- T GATE KEY CARD ACCESS (REFER TO ELECTRICAL)
- U CUT CONTROL JOINTS
- V SIGN – WSDOT TYPE R1–1 "STOP SIGN"
- W SIGN – "DO NOT ENTER" SIGN (DOUBLE SIDED)
- X SCREEN WALL (REFER TO ARCHITECTURAL)
- Y GENERATOR & PAD (REFER TO ELECTRICAL)
- Z SECURITY GATE (REFER TO ARCHITECTURAL)
- AA BLACK CHAIN LINK SECURITY FENCE (REFER TO ARCHITECTURAL)
- BB FLAG POLE (REFER TO ARCHITECTURAL/STRUCTURAL)
- CC LIGHT POLE (REFER TO ELECTRICAL)
- DD LED LIGHT BOLLARD (REFER TO ELECTRICAL)
- EE REDI–ROCK MODULAR BLOCK RETAINING WALL SYSTEM (OR APPROVED EQUAL)
- FF 12" RIBBON CURB
- GG CONCRETE STAIRS AND RAILINGS
- HH HANDRAIL (MATCH ARCHITECTURAL RAIL AT STAIRS)
- II INTENTIONALLY OMITTED
- JJ 10" THICK, 6" RAISED CONCRETE ISLAND/PEDESTAL W/ 3" RADIUS ROUNDED EDGES OVER 6" DENSE AGGREGATE BASE (REFER TO ELECTRICAL PLANS FOR KEY CARD ACCESS INFORMATION)
- KK ORNAMENTAL SECURITY FENCE (REFER TO ARCHITECTURAL)
- LL PEDESTRIAN DOOR (REFER TO ARCHITECTURAL)
- MM INTENTIONALLY OMITTED
- NN DIRECTIONAL ARROW PAVEMENT MARKING
- OO CONCRETE STAIRS AND RAILINGS (REFER TO ARCHITECTURAL)
- PP 18" SEAT WALL WITH CAP
- QQ 12'x12" PERGOLA

DIGGERS HOTLINE
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MADISON REGIONAL OFFICE
507 WEST VERONA AVENUE, SUITE 500
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
FGM ARCHITECTS

CLIENT ADDRESS:
219 N MILWAUKEE ST, #325
MILWAUKEE, WI, 53202

PROJECT:
CITY OF FITCHBURG
POLICE STATION

PROJECT LOCATION:
5540 LACY DRIVE
CITY OF FITCHBURG, DANE CTY
WISCONSIN, 53711

PLAN MODIFICATIONS:

#	Date:	Description:
1	11.01.24	SCHEMATIC DESIGN SET
2	01.10.25	50% DESIGN DEVELOPMENT
3	02.21.25	100% DESIGN DEVELOPMENT QA/QC
4	02.28.25	100% DESIGN DEVELOPMENT
5	03.17.25	ADR SUBMITTAL
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Designed By: MSS
Reviewed By:
Approved By:

SHEET TITLE:
SITE PLAN - DETAILED

SHEET NUMBER:
C2.0

JSD PROJECT NO: 23-13070

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north

SCALE IN FEET

30' 0 30'

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CLIENT:
FGM ARCHITECTS

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219 N MILWAUKEE ST, #325
MILWAUKEE, WI, 53202

PROJECT:
CITY OF FITCHBURG
POLICE STATION

PROJECT LOCATION:
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WISCONSIN, 53711

PLAN MODIFICATIONS:

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4	02.28.25	100% DESIGN DEVELOPMENT
5	03.17.25	ADR SUBMITTAL
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Designed By: MSS
Reviewed By:
Approved By:

SHEET TITLE:
GRADING AND EROSION CONTROL PLAN

SHEET NUMBER:
C3.0

JSD PROJECT NO: 23-13070

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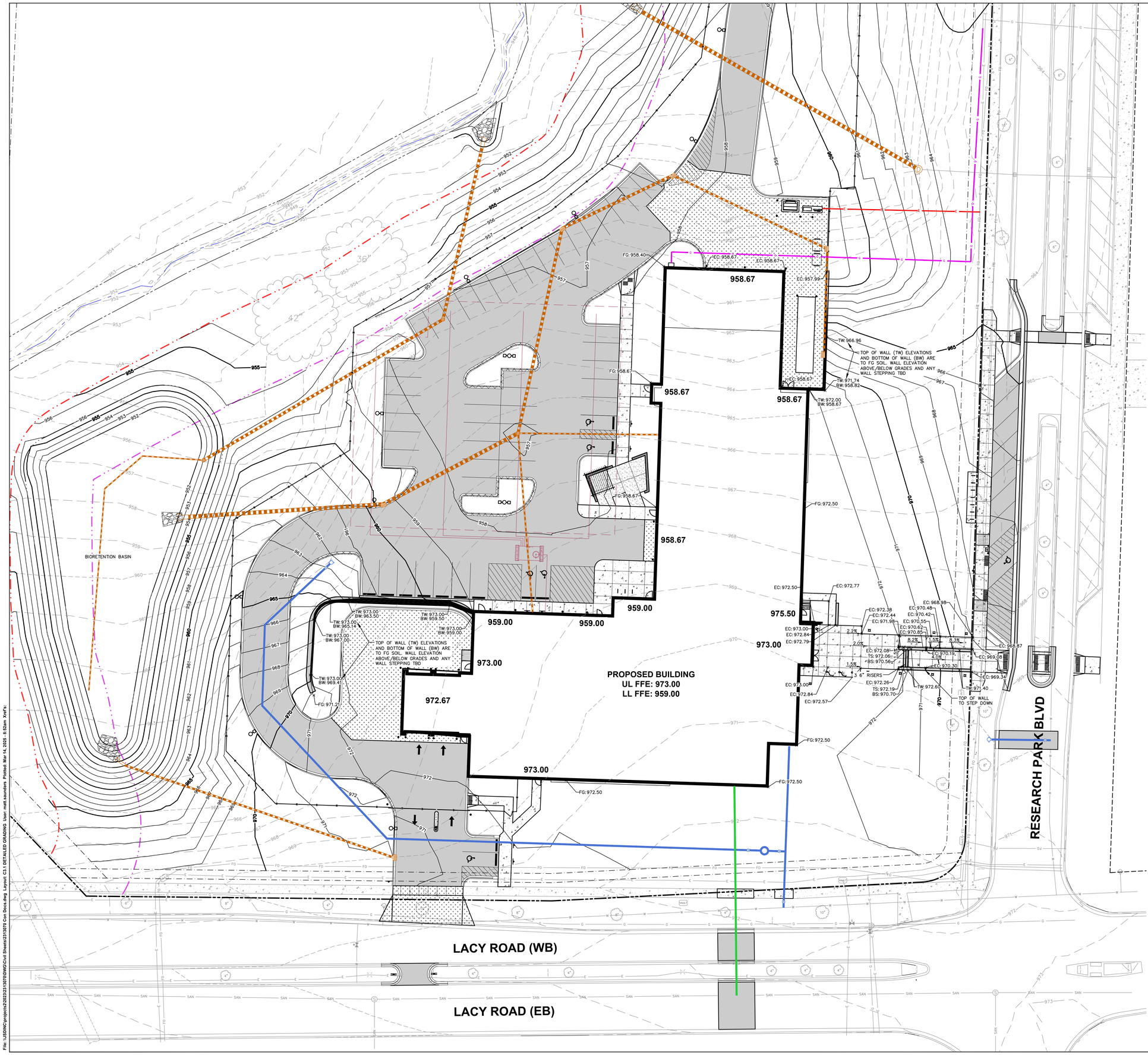

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507 WEST VERONA AVENUE, SUITE 500
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
FGM ARCHITECTS

CLIENT ADDRESS:
219 N MILWAUKEE ST, #325
MILWAUKEE, WI, 53202

PROJECT:
CITY OF FITCHBURG
POLICE STATION

PROJECT LOCATION:
5540 LACY DRIVE
CITY OF FITCHBURG, DANE CTY
WISCONSIN, 53711

PLAN MODIFICATIONS:

#	Date:	Description:
1	11.01.24	SCHEMATIC DESIGN SET
2	01.10.25	50% DESIGN DEVELOPMENT
3	02.21.25	100% DESIGN DEVELOPMENT QAQC
4	02.28.25	100% DESIGN DEVELOPMENT
5	03.17.25	ADR SUBMITTAL
6		
7		
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12		
13		
14		
15		

Designed By: MSS
Reviewed By:
Approved By:

SHEET TITLE:
DETAILED GRADING PLAN

north
SCALE IN FEET
20' 0 20'

DIGGERS HOTLINE
Toll Free (800) 242-8511

SHEET NUMBER:
C3.1

JSD PROJECT NO: 23-13070

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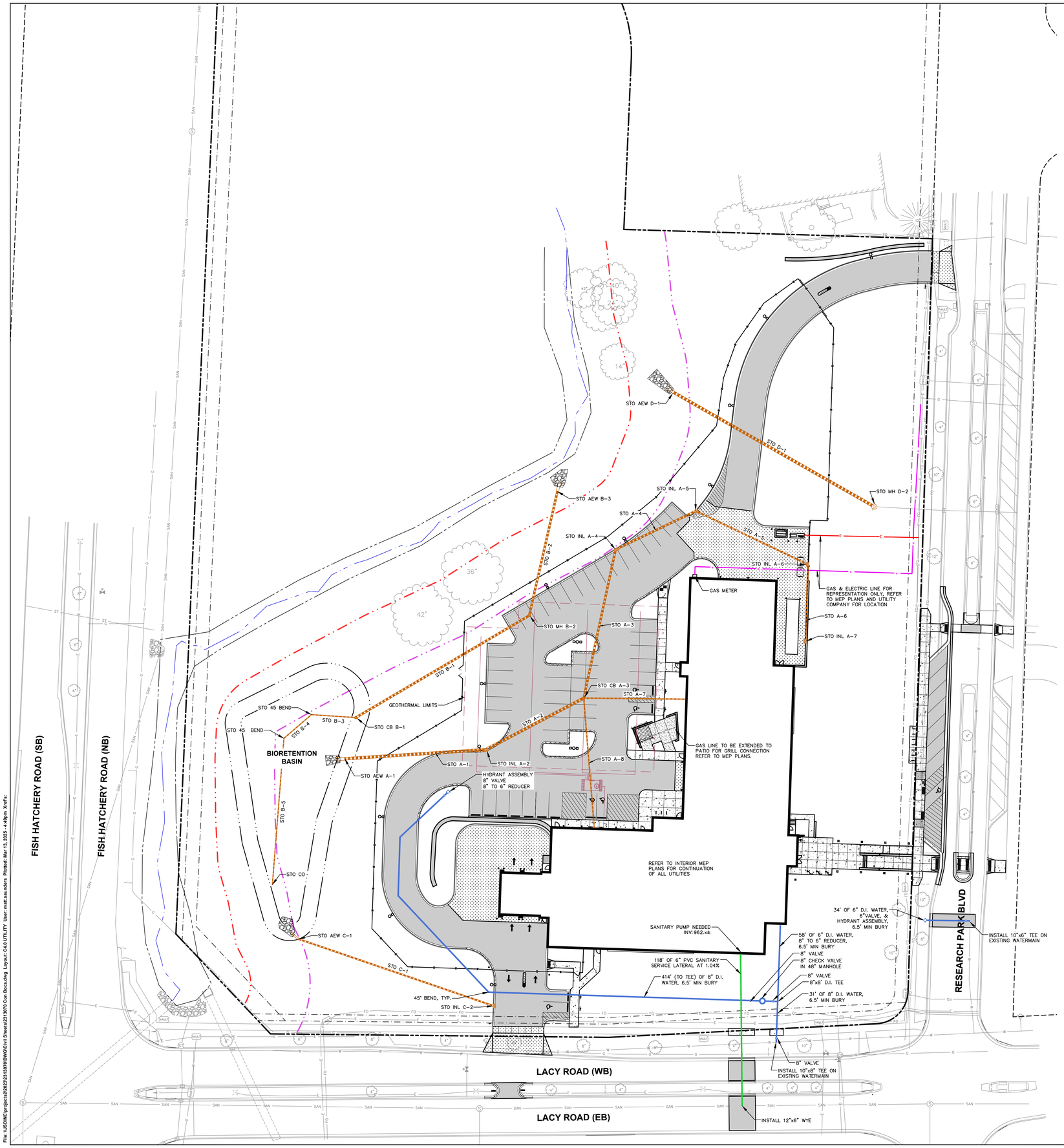

PROPOSED STORM SEWER STRUCTURE TABLE					
LABEL	RIM EL. (FT)	INVERT EL. (FT)	DEPTH (FT)	STRUCTURE DESC.	FRAME & GRATE
STO AEW A-1	954.37	E INV: 952.20 (24")		24 IN HDPE FES	
STO AEW B-3	950.67	S INV: 949.00 (18")		18 IN HDPE FES	
STO AEW C-1	955.45	E INV: 954.35 (12")		12 IN HDPE FES	
STO AEW D-1	952.99	SE INV: 950.82 (24")		24 IN HDPE FES	
STO CB A-3	956.84	SW INV: 953.13 (24") N INV: 953.18 (18") E INV: 953.80 (8") S INV: 953.80 (8")	3.7	60 IN MH (FLAT)	R-1550 TYPE D
STO CB B-1	954.50	NE INV: 950.00 (18") W INV: 950.00 (6") W INV: 952.75 (6") W INV: 953.25 (12")	4.5	36 IN MH (FLAT)	AFINITAS CG36TM
STO INL A-2	959.45	W INV: 952.75 (24") NE INV: 952.80 (24")	6.7	2 x 3 INLET	R-3067 TYPE L
STO INL A-4	956.69	S INV: 953.53 (18") NE INV: 953.58 (18")	3.2	2 x 3 INLET	R-3067 TYPE R
STO INL A-5	957.56	SW INV: 953.88 (18") SE INV: 953.93 (12")	3.7	2 x 3 INLET	R-3067 TYPE L
STO INL A-6	958.18	NW INV: 954.89 (12") S INV: 954.94 (12")	3.3	2 x 3 INLET	R-3067 TYPE R
STO INL A-7	958.58	N INV: 955.23 (12")	3.4	2 x 3 INLET	R-3067 TYPE R
STO INL C-2	970.50	W INV: 966.00 (12")	4.5	2 x 3 INLET	R-3067 TYPE R
STO MH B-2	957.28	N INV: 949.35 (18") SW INV: 949.35 (18")	7.9	36 IN MH (FLAT)	R-1550 SOLID LID
STO MH D-2	963.23	NW INV: 957.50 (24") E INV: 957.78 (24")	5.7	48 IN MH (FLAT)	R-1550 SOLID LID

NOTE:
- INLET RIMS ARE TO FLOW LINE
- ALL STRUCTURES IN PAVEMENT TO RECEIVE CONCRETE COLLARS
- ALL OPEN GRATE STRUCTURES TO RECEIVE FLEXSTORM FRAMED INLET PROTECTION DURING CONSTRUCTION
- ALL OPEN GRATE STRUCTURES TO RECEIVE FLEXSTORM PURE FRAMED INLET PROTECTION (OIL AND GREASE FILTER NOT REQUIRED)
- STO CB B-1 BASIN ORIFICES 6" AT 952.75 & 12" AT 953.25 TO BE TRUE SIZE (NOT LARGER FOR A PIPE CONNECTION)

PROPOSED STORM SEWER PIPE TABLE							
LABEL	FROM	TO	LENGTH	INVERT EL. (FT)	DISCHARGE EL. (FT)	SLOPE	SIZE & MATERIAL
STO A-1	STO INL A-2	STO AEW A-1	107'	952.75	952.20	0.51%	24 IN HDPE
STO A-2	STO CB A-3	STO INL A-2	84'	953.13	952.80	0.40%	24 IN HDPE
STO A-3	STO INL A-4	STO CB A-3	115'	953.53	953.18	0.30%	18 IN HDPE
STO A-4	STO INL A-5	STO INL A-4	67'	953.88	953.58	0.45%	18 IN HDPE
STO A-5	STO INL A-6	STO INL A-5	94'	954.89	953.93	1.03%	12 IN HDPE
STO A-6	STO INL A-7	STO INL A-6	58'	955.23	954.94	0.50%	12 IN HDPE
STO A-7	BUILDING	STO CB A-3	77'	955.00	953.80	1.57%	8 IN HDPE
STO A-8	BUILDING	STO CB A-3	98'	955.00	953.80	1.22%	8 IN HDPE
STO B-1	STO CB B-1	STO MH B-2	152'	950.00	949.35	0.43%	18 IN HDPE
STO B-2	STO MH B-2	STO AEW B-3	96'	949.35	949.00	0.36%	18 IN HDPE
STO B-3	STO 45 BEND	STO CB B-1	34'	950.00	950.00	0.00%	6 IN UNDERDRAIN
STO B-4	STO 45 BEND	STO 45 BEND	27'	950.00	950.00	0.00%	6 IN UNDERDRAIN
STO B-5	STO CO	STO 45 BEND	111'	950.00	950.00	0.00%	6 IN UNDERDRAIN
STO C-1	STO INL C-2	STO AEW C-1	156'	966.00	954.35	7.47%	12 IN HDPE
STO D-1	STO MH D-2	STO AEW D-1	174'	957.50	950.82	3.83%	24 IN HDPE

north
SCALE IN FEET
30' 0 30'

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JSD
CREATE THE VISION TELL THE STORY
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MADISON REGIONAL OFFICE
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VERONA, WISCONSIN 53593
P. 608.848.5060

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Designed By: MSS
Reviewed By:
Approved By:

SHEET TITLE:
UTILITY PLAN

SHEET NUMBER:
C4.0

JSD PROJECT NO: 23-13070

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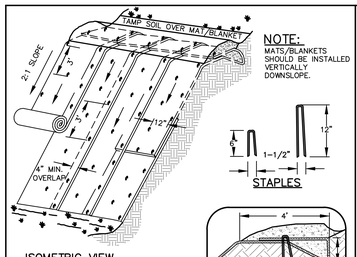
File: \\JSDINC\Projects\2023\23-13070\DWG\Civil Sheets\23130700 Con Docs.dwg Layout: C4.0 UTILITY User: matt.saunders Plotted: Mar 13, 2025 - 4:49pm Xref's:



ISOMETRIC VIEW
TYPICAL SLOPE SOIL STABILIZATION

NOTE:
MATS/BLANKETS SHOULD BE INSTALLED VERTICALLY DOWNSLOPE.

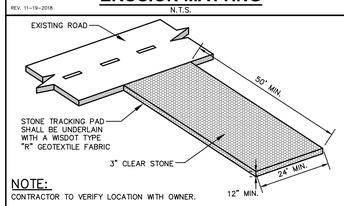
GENERAL NOTES:

1. EROSION MAT CONSTRUCTION SHALL BE IN ACCORDANCE WITH WISCONSIN DNR TECHNICAL STANDARD 1052 "NON-CHANNEL EROSION MAT".
2. ONLY WisDOT EROSION CONTROL PRODUCT ACCEPTABILITY LIST (PAL) APPROVED MATS SHALL BE ALLOWED. REFER TO EROSION CONTROL PLAN FOR EXACT MAT CLASSIFICATION.
3. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
4. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

EROSION MATTING

N.T.S.

REV. 11-19-2018

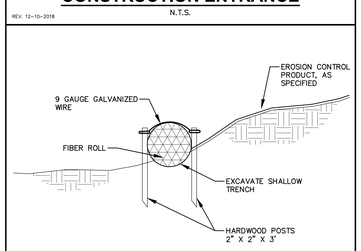


NOTE:
CONTRACTOR TO VERIFY LOCATION WITH OWNER.

CONSTRUCTION ENTRANCE

N.T.S.

REV. 12-10-2018



GENERAL NOTES:

1. EXCAVATE A SHALLOW TRENCH SLIGHTLY BELOW BASEFLOW OR A 4" TRENCH ON SLOPE CONTOURS.
2. PLACE THE ROLL IN THE TRENCH AND ANCHOR WITH 2" X 2" POSTS PLACED ON BOTH SIDES OF THE ROLL AND SPACED LATERALLY ON 2' TO 4' CENTERS. TRIM THE TOP OF THE POSTS EVEN WITH THE EDGE OF THE ROLL, IF NECESSARY.
3. NOTCH THE POSTS AND TIE TOGETHER, ACROSS THE ROLL, WITH 9 GAUGE GALVANIZED WIRE OR 1/8" DIAMETER BRAIDED NYLON ROPE.
4. PLACE SOIL EXCAVATED FROM THE TRENCH BEHIND THE ROLL AND HAND TAMP. PLANT WITH SUITABLE HERBACEOUS OR WOODY VEGETATION AS SPECIFIED.

FIBER SILT SOCK

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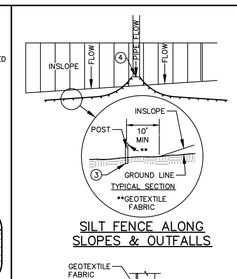
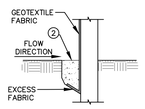
REV. 12-7-2018

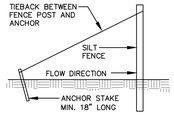


SILT FENCE ALONG SLOPES & OUTFALLS

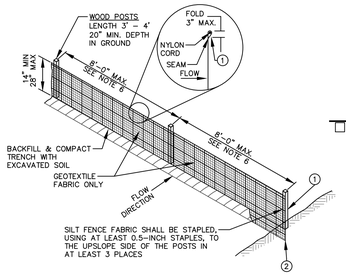


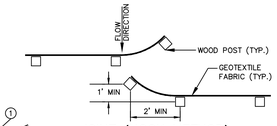
NOTE:
ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS.

TRENCH DETAIL

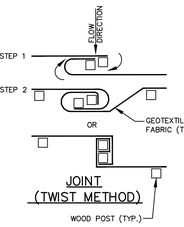


SILT FENCE TIE BACK
(WHEN ADDITIONAL SUPPORT REQUIRED)





JOINT (HOOK METHOD)



JOINT (TWIST METHOD)

GENERAL NOTES:

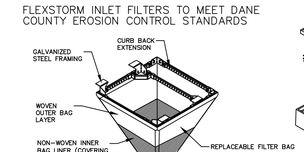
1. SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8-INCHES OF FABRIC IN A 4-INCH WIDE AND 6-INCH DEEP TRENCH OR 6-INCH DEEP V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. TRENCHES SHALL NOT BE EXCAVATED WIDER OR DEEPER THAN NECESSARY FOR PROPER INSTALLATION.
2. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1.125-INCHES x 1.125-INCHES OF DRIED OAK OR HICKORY.
4. SILT FENCE TO EXTEND ABOVE THE TOP OF PIPE.
5. SILT FENCE CONSTRUCTION AND GEOTEXTILE FABRIC SHALL CONFORM TO WDNR TECHNICAL STANDARD 1056.
6. POST SPACING SHALL BE SELECTED BASED ON GEOTEXTILE FABRIC (8-FEET FOR WOVEN & 3-FEET FOR NON-WOVEN)

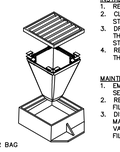
SILT FENCE

N.T.S.

REV. 7-07-2019

FLEXSTORM INLET FILTERS TO MEET DANE COUNTY EROSION CONTROL STANDARDS





INSTALLATION INSTRUCTIONS:
1. REMOVE GRATE FROM THE DRAINAGE STRUCTURE
2. CLEAN STONE AND DIRT FROM LEDGE (LIP) OF DRAINAGE STRUCTURE
3. DROP THE INLET FILTER THROUGH THE CLEAR OPENING SUCH THAT THE HANGERS REST FIRMLY ON THE LIP OF THE STRUCTURE
4. REPLACE THE GRATE AND CONFIRM IT IS NOT ELEVATED MORE THAN 1/8"

MAINTENANCE GUIDELINES:
1. EMPTY THE SEDIMENT BAG IF MORE THAN HALF FILLED WITH SEDIMENT AND DEBRIS
2. REMOVE THE GRATE, ENGAGE THE LIFTING POINTS, AND LIFT FILTER FROM THE DRAINAGE STRUCTURE.
3. DISPOSE OF SEDIMENT AND DEBRIS BY THE ENGINEERING OR MAINTENANCE CONTRACT. ALTERNATIVELY, AN INDUSTRIAL VACUUM CAN BE USED TO COLLECT SEDIMENT FROM THE FILTER BAG

(HB) HYBRID FILTER BAG SPECIFICATIONS:

CATCH-I T INLET FILTER (Temporary Inlet Protection)

Neenah Casting	Inlet Type	Grate Size	Opening Size	Bag Cap (ft³)	Flow Ratings (CFS) HB (Hybrid Bag)	Flow Ratings (CFS) Bypass	ADS P/N
3067	Curb Box	35.25 x 17.75	33.0 x 15.0	4.4	2.0	5.8	62LCBEXTHB
3246A	Curb Box	35.75 x 23.875	33.5 x 21.0	4.2	1.1	3.3	62LCB3624HB
3030	Square/Rect (SQ)	23 x 16	20.5 x 13.5	1.6	0.7	2.2	62MCB2316HB
3067-C	Square/Rect (SQ)	35.25 x 17.75	33 x 15	3.2	1.0	5.2	62LSQ3618HB
R-2501	Round (RD)	~26	~24	2.3	0.8	5.2	62MRD26HB
R-1772/2560	Round (RD)	22.25-23.5	20.5-21	1.5	0.6	4.6	62MRD22HB

Woven and Non-Woven Geotextile Filter Bag Properties (Minimum Average Roll Values)

PROPERTY	TEST METHOD	WOVEN (OUTER)	NON-WOVEN (LINER)
TENSILE STRENGTH	ASTM D4632	99 x 225 lbs	101 lbs
ELONGATION	ASTM D4632	20% x 20%	50%
CBR PUNCTURE	ASTM D6241	3000 lbs	95 lbs
TRAPEZOID TEAR	ASTM D4533	130 x 75 lbs	45 lbs
UV RESISTANCE	ASTM D4355	90%	70%
OPENING SIZE (AOS)	ASTM D4751	20 US STD SIEVE	40 US STD SIEVE
PERMITTIVITY	ASTM D4491	1.5 Sec^{-1}	2.0 Sec^{-1}
WATER FLOW RATE	ASTM D4491	200 gal/min/ft^2	145 gal/min/ft^2
MINIMUM FILTER BAG VOLUME		2.0 CUBIC FT	

FRAMED INLET PROTECTION TO BE INSTALLED BEFORE/DURING CONSTRUCTION ON OPEN GRATE STRUCTURES

FLEXSTORM CATCH IT
C | DG | INLET FILTERS | A

FRAMED INLET PROTECTION

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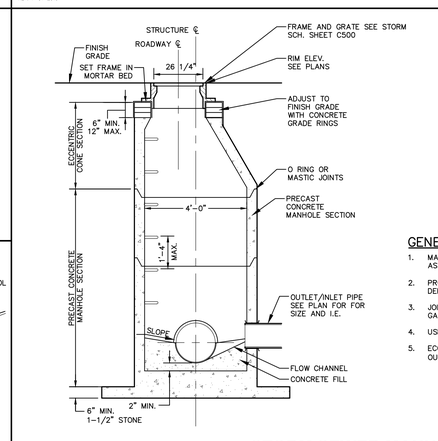
REV. 7-01-2019



STORM SEWER MANHOLE

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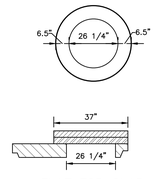
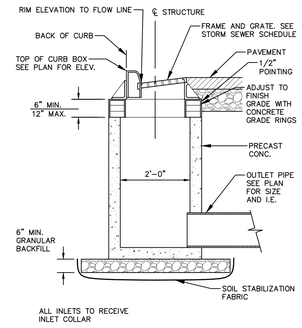
REV. 12-07-2018



FLAT TOP SLAB

GENERAL NOTES:

1. MANHOLE CONSTRUCTION TO MEET REQUIREMENTS OF ASTM C478.
2. PROVIDE FLAT TOP SLAB FOR MANHOLES 5' OR LESS IN DEPTH. FLAT TOP SLABS TO BE IN-BELL TYPE.
3. JOINTS SHALL BE WATERTIGHT. USE BUTYL RUBBER GASKET.
4. USE MORTAR FOR PIPE CONNECTIONS.
5. ECCENTRIC CONE SECTION OF MANHOLE TO BE SET OUTSIDE OF VEHICULAR WHEEL PATH NEAR ℄ ROADWAY.



STORM INLET

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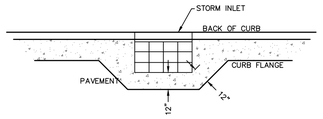
REV. 11-26-2018



CONCRETE INLET COLLAR

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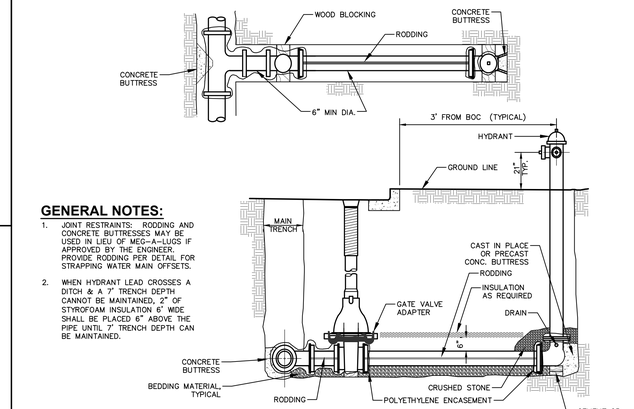


GENERAL NOTES:

1. JOINT RESTRAINTS: RODDING AND CONCRETE BUTTRESSES MAY BE USED IN LIEU OF MEG-A-LUGS IF APPROVED BY THE ENGINEER. PROVIDE RODDING PER DETAIL FOR STRAPPING WATER MAIN OFFSETS.
2. WHEN HYDRANT LEAD CROSSES A DITCH & A 7' TRENCH DEPTH CANNOT BE MAINTAINED, 2" OF STYROFOAM INSULATION 6' WIDE SHALL BE PLACED 6" ABOVE THE PIPE UNTIL 7' TRENCH DEPTH CAN BE MAINTAINED.

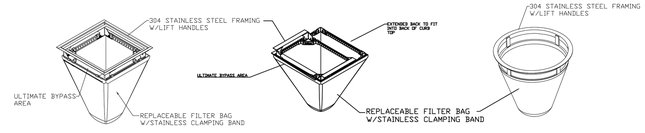
FIRE HYDRANT AND VALVE ASSEMBLY

N.T.S.

REV. 12-03-2018

FLEXSTORM PURE FILTERS FOR PERMANENT INLET PROTECTION PRODUCT SELECTION AND SPECIFICATION DRAWING

WISCONSIN



FLEXSTORM PURE INLET FILTERS FOR RECTANGULAR OPENINGS WITH GRATES

FLEXSTORM PURE INLET FILTERS FOR CURB INLETS

FLEXSTORM PURE INLET FILTERS FOR ROUND OPENINGS

Product selection for FLEXSTORM PURE Filters (Permanent Inlet Protection)

Neenah Casting	Inlet Type	Grate Size	Opening Size	Bag Cap (ft³)	Flow Ratings (CFS)* FX/FX+	PC/PC+	Bypass	Part Number: FX	FX+	PC	PC+	FXO
1349/1042/1733	Round	26	24	1.9	1.5	1.1	5.7	62MHDR24FX	62MHDR24FX+	62MHDR24PC	62MHDR24PC+	62MHDR24FXO
3067 (EXT)	Curb Box (CB)	35.25 x 17.75	33.0 x 15.0	4.4	2.3	1.9	5.8	62LHDEXT03FX	62LHDEXT03FX+	62LHDEXT03PC	62LHDEXT03PC+	62LHDEXT03FXO
3246A	Curb Box (CB)	35.75 x 23.875	33.5 x 21.0	3.6	2.6	1.8	3.6	62LHDCB3624FX	62LHDCB3624FX+	62LHDCB3624PC	62LHDCB3624PC+	62LHDCB3624FXO
3030	Square/Rect (SQ)	23 x 16	45.5 x 30	1.6	1.4	1.8	2.6	62MHDCB2216FX	62MHDCB2216FX+	62MHDCB2216PC	62MHDCB2216PC+	62MHDCB2216FXO
3067-C	Square/Rect (SQ)	35.25 x 17.75	33.0 x 15.0	3.2	2.3	1.9	5.8	62LHD3618FX	62LHD3618FX+	62LHD3618PC	62LHD3618PC+	62LHD3618FXO
R-2504	Round (RD)	22.25-23.5	~20.5	1.5	1.2	0.7	4.8	62MHDRFX	62MHDRFX+	62MHDRPC	62MHDRPC+	62MHDRFXO

*FLOW RATINGS SHOWN ARE 50% MAXIMUM

NOTES:
1. ALL FRAMING IS CONSTRUCTED OF 304 STAINLESS STEEL FOR 25 YEAR SERVICE LIFE RATING
2. TOTAL BYPASS CAPACITY WILL VARY WITH EACH SIZED DRAINAGE STRUCTURE. FLEXSTORM DESIGNS FRAMING BYPASS TO MEET OR EXCEED THE DESIGN FLOW OF THE PARTICULAR DRAINAGE STRUCTURE.
3. UPON ORDERING ADS P/N CONFIRMATION OF THE DOT CALLOUT, FLEXSTORM ITEM CODE, CASTING MAKE AND MODEL, OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED.
4. FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.INLETFILTERS.COM

INSTALLATION:
1. REMOVE GRATE
2. DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
3. REPLACE GRATE

PERMANENT FRAMED INLET PROTECTION TO BE INSTALLED AFTER CONSTRUCTION ON OPEN GRATE STRUCTURES (OIL AND GREASE CONTROL NOT REQUIRED)

C:\Standard Regional Flexstorm Pure.jpg

ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC
A DIVISION OF ADS, INC.
WWW.INLETFILTERS.COM
(866) 297-9655 PH
(630) 355-3477 FX
INFO@INLETFILTERS.COM

REV: C | DRWG: P-WI-SUBMIT | REV: A
POST | SHEET 1 OF 1

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jsdinc.com
MADISON REGIONAL OFFICE
507 WEST VERONA AVENUE, SUITE 500
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
FGM ARCHITECTS

CLIENT ADDRESS:
219 N MILWAUKEE ST, #325
MILWAUKEE, WI, 53202

PROJECT:
CITY OF FITCHBURG POLICE STATION

PROJECT LOCATION:
5540 LACY DRIVE
CITY OF FITCHBURG, DANE CTY WISCONSIN, 53711

PLAN MODIFICATIONS:

#	Date:	Description:
1	11.01.24	SCHEMATIC DESIGN SET
2	01.10.25	50% DESIGN DEVELOPMENT
3	02.21.25	100% DESIGN DEVELOPMENT QAQC
4	02.28.25	100% DESIGN DEVELOPMENT
5	03.17.25	ADR SUBMITTAL
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Designed By: MSS
Reviewed By:
Approved By:

SHEET TITLE:
DETAILS

SHEET NUMBER:
C5.0

JSD PROJECT NO: 23-13070

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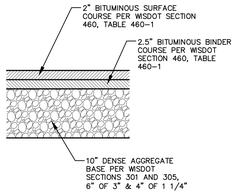
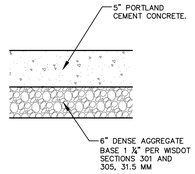
File: \\JSDINC\projects\2020\23-13070\DWG\Civil Sheets\23-13070 Con Docs.dwg Layout: C5.0 DETAILS User: matt.saunders Plotted: Mar 13, 2025 - 4:08pm Xref's:



ASPHALT PAVEMENT SECTION

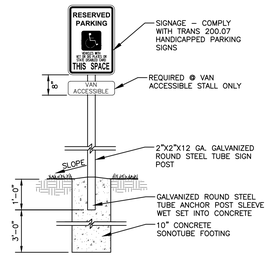


CONCRETE SIDEWALK SECTION

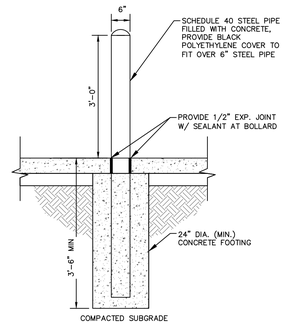
GENERAL NOTES:

1. REFER TO PAVEMENT RECOMMENDATIONS IN THE GEOTECHNICAL INVESTIGATION REPORT, PREPARED BY GILES ENGINEERING ASSOCIATES, INC DATED JANUARY 31, 2024 (PROJECT NO. 1G-2312005). IF THERE ARE ANY DISCREPANCIES BETWEEN THIS DETAIL AND THE PAVEMENT RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL INVESTIGATION REPORT, THE GEOTECHNICAL REPORT SHALL GOVERN.
2. WSDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, INCLUDING SUPPLEMENTAL SPECIFICATIONS, COMPACTION REQUIREMENTS:
   – BITUMINOUS CONCRETE: REFER TO SECTION 460-3.
   – BASE COURSE: REFER TO SECTION 301.3.4.2, STANDARD COMPACTION.
3. CONCRETE EQUIPMENT PAD THICKNESS AND REINFORCEMENT SHALL BE CONFIRMED BY EQUIPMENT SUPPLIER PRIOR TO INSTALLATION BY THE CONTRACTOR

PAVEMENT SECTIONS
N.T.S.

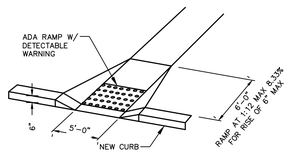


ADA SIGN
N.T.S.



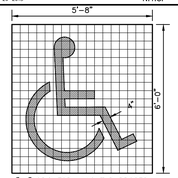
REV. 12-17-2018

CONCRETE BOLLARD
N.T.S.



ADA ACCESSIBLE RAMP - INLINE
N.T.S.

REV. 11-20-2018



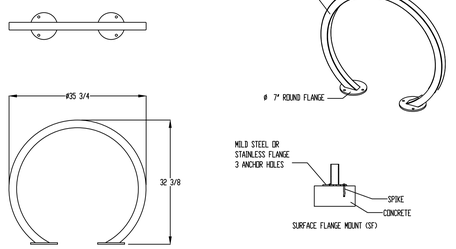
NOTE:
SYMBOL DETAILS ARE SHOWN FOR INTENT ONLY. CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS PRIOR TO CONSTRUCTION.

ADA PARKING STALL MARKING
N.T.S.

REV. 11-20-2018

MADRAX

MADRAX DIVISION
GRAEBER MANUFACTURING, INC.
1888 LINDEN BLVD.
WAUNAKEE, WI. 53597
PH(800) 448-7930, PH(608) 849-1888, F(608) 849-1882
WWW.MADRAX.COM, E-MAIL: SALES@MADRAX.COM



PRODUCT: ERNS-2-SF CORTEN SQUARE RACK® OR APPROVED EQUAL
DESCRIPTION: ERNSTM BIKE RACK
2 BIKE, SURFACE MOUNT
COLOR: BLACK, POWDER COATED

DATE: 10-16-18
ENG: SMC

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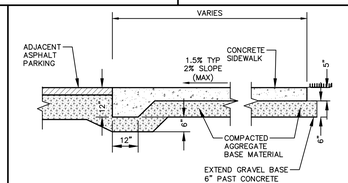
NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. CONSULTANT TO APPROVE COLOR OF INSTALLED, SEE MANUFACTURER'S SPECIFICATIONS.
3. SEE SITE PLAN FOR LOCATION

BIKE RACK DETAIL
N.T.S.



REV. 07-14-2020

THICKENED EDGE SIDEWALK - FLUSH
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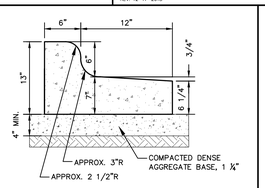
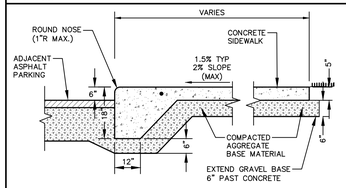


REV. 12-17-2018

18" REJECT CURB & GUTTER
N.T.S.



REV. 07-14-2020

THICKENED EDGE SIDEWALK
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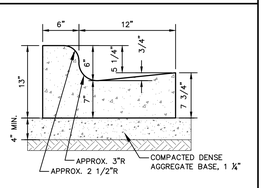
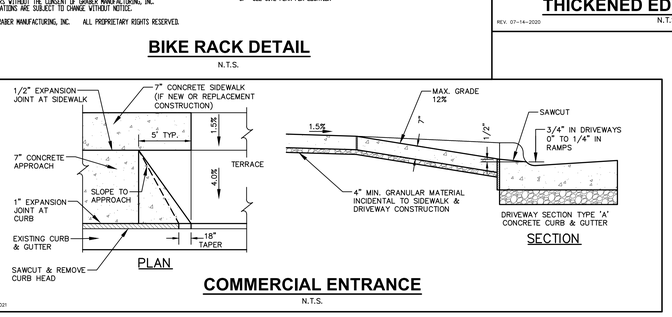


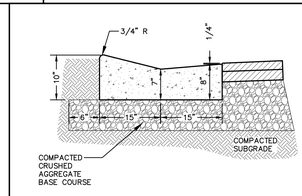
REV. 12-17-2018

18" STANDARD CURB & GUTTER
N.T.S.



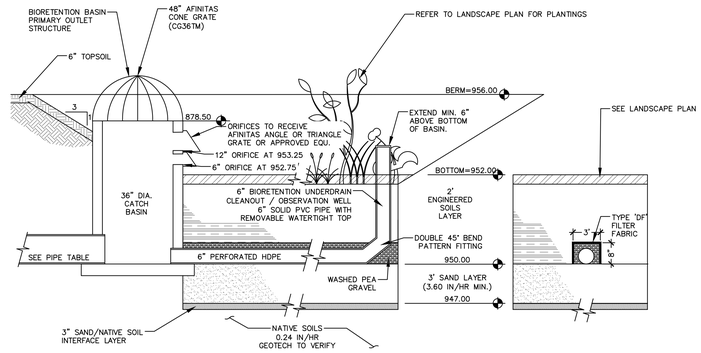
REV. 2-12-2021

COMMERCIAL ENTRANCE
N.T.S.



VALLEY GUTTER CURB
N.T.S.

REV. 11-20-2018



SECTION A SECTION B

GENERAL NOTES:

1. ALL CONSTRUCTION PRACTICES SHALL MEET THE SPECIFICATIONS OF THE WDNR TECHNICAL STANDARD 1004 – BIORETENTION FOR INFILTRATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THIS STANDARD AND CONSTRUCT THE BIORETENTION DEVICE IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED THEREIN.
2. REFER TO SPECIFICATION SECTION 32 91 13.50 FOR MORE INFORMATION ON BASIN MATERIALS AND CONSTRUCTION.
3. CONFIRM WITH GEOTECHNICAL ENGINEER THAT THE 0.24 IN/HR SOIL PROFILE HAS BEEN REACHED PRIOR TO BACKFILLING THE BIORETENTION BASIN.
4. NATIVE SOIL TO BE TILLED 2 FEET TO PROMOTE INFILTRATION.
5. IF ADDITIONAL EXCAVATION IS REQUIRED BELOW THE SAND PROFILE TO REACH THE LISTED NATIVE SOIL LAYER, THE BACKFILL USED TO RETURN THE BOTTOM OF THE BIORETENTION SYSTEM TO THE BOTTOM OF THE SAND/GRAVEL LAYER ELEVATION MUST HAVE AN EQUAL OR HIGHER INFILTRATION RATE THAN THE LISTED NATIVE SOIL LAYER AS CONFIRMED BY A GEOTECHNICAL ENGINEER.
6. FILTER FABRIC SHALL BE PLACED ABOVE AND ON THE SIDES OF THE PERFORATED PIPE, BETWEEN THE PEA GRAVEL AND THE ENGINEERED SOIL, A WIDTH OF 3 FEET CENTERED OVER THE FLOW LINE OF THE PIPE.
7. AREAS SURROUNDING THE BASIN SHALL BE SEEDED PER LANDSCAPE PLAN PRIOR TO DIGGING TO NATIVE SOIL, INSTALLING SAND LAYER AND INSTALLING ENGINEERED SOILS.
8. NATIVE SOILS, SAND STORAGE, AND ENGINEERED SOILS SHALL BE PROTECTED FROM EROSION SEDIMENT BY USE OF FIBER SILT LOGS AROUND THE PERIMETER OF THE BASIN BOTTOM.
9. RUNOFF MUST INFILTRATE WITHIN 24-HOURS. BASINS UNABLE TO MAINTAIN THESE RATES MUST BE DEEP TILLED, REGRADED, AND IF NECESSARY REPLANTED TO RESTORE ORIGINAL INFILTRATION RATES.
10. SEE LANDSCAPING PLAN FOR APPROPRIATE SEED MIX, PLANTS AND PLANTING CONFIGURATIONS. IF PLUGGING IS USED INSTEAD OF NATIVE VEGETATIVE MATTING BASIN BOTTOM TO RECEIVE TYPE II, CLASS B OR C MATTING.
11. ALL WORK TO BE CONDUCTED IN CONFORMANCE WITH APPLICABLE LOCAL, REGIONAL, AND STATE STORMWATER STANDARDS FOR THE PROJECT SITE AS APPROVED BY THE REGULATORY ENGINEER.

NOTE:
INFILTRATION DEVICES ARE DESIGNED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR), COUNTY, MUNICIPALITY, AND ENGINEERING STANDARD OF CARE. ALL DESIGNATED INFILTRATION AREAS (e.g. RAIN GARDENS, INFILTRATION BASINS, BIORETENTION DEVICES) SHALL BE FENCED PRIOR TO CONSTRUCTION AND REMAIN UNDISTURBED AND PROTECTED DURING THE CONSTRUCTION OF PROPOSED SITE IMPROVEMENTS. PROPOSED BIORETENTION DEVICES SHALL NOT BE CONSTRUCTED UNTIL THE DEVICE'S CONTRIBUTING WATERSHED AREA MEETS ESTABLISHED VEGETATION REQUIREMENTS SET FORTH WITHIN THE RESPECTIVE WDNR TECHNICAL STANDARDS. IF THE LOCATION OF THE INFILTRATION AREA CONFLICTS WITH CONSTRUCTION STAGING AND/OR CONSTRUCTION TRAFFIC AND IS DISTURBED, COMPACTION MITIGATION WILL BE REQUIRED AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR IS REQUIRED TO PROVIDE QUALIFIED STAFF FOR INSPECTION AND OBSERVATION OF THE CONSTRUCTION ACTIVITIES RELATING TO ALL JOB SITE REGULATORY COMPLIANCE INCLUDING THE PROTECTION AND CONSTRUCTION OF ALL STORMWATER MANAGEMENT FEATURES. ANY OBSERVATION OF PLAN OR SITE DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.

THE STORMWATER MANAGEMENT FEATURES CONTAINED WITHIN THIS PLAN SET HAVE BEEN DESIGNED IN ACCORDANCE WITH APPLICABLE STANDARDS SET FORTH IN WISCONSIN DNR NR151 AND LOCAL ORDINANCES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER CONSTRUCTION PRACTICES HAVE BEEN UTILIZED AND THAT STORMWATER MANAGEMENT FEATURES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH APPROVED DESIGN PLANS. JSD PROFESSIONAL SERVICES, INC. (JSD) SHALL NOT BE LIABLE FOR ANY CONSTRUCTION PRACTICES OR INSTALLATION WHICH DEVIATES FROM THE APPROVED PLAN SET. ONCE THE OWNER HAS PROVIDED FINAL APPROVAL TO THE WORK PERFORMED BY THE CONTRACTOR AND ENSURED COMPLIANCE WITH THE PLAN, IT IS THE OWNER'S RESPONSIBILITY TO MAINTAIN STORMWATER MANAGEMENT FEATURES IN ACCORDANCE WITH THE RECORDED MAINTENANCE AGREEMENT. PROPER OPERATION IS DEPENDENT ON A MULITITUDE OF VARIABLES INCLUDING WEATHER. THESE COMPONENTS REQUIRE ONGOING MAINTENANCE FOR WHICH THE OWNER IS RESPONSIBLE. JSD TAKES NO RESPONSIBILITY FOR PROPER OPERATION OF THE WATER QUALITY COMPONENTS.

AS-BUILT SURVEY AND CERTIFICATION: DURING CONSTRUCTION, PRIOR TO COMPLETION, AND UPON CONSTRUCTION COMPLETION AND STABILIZATION, AN AS-BUILT SURVEY IS TO BE CONDUCTED FOR BASIN AND CERTIFIED BY THE ISSUING ENGINEER. AS-BUILT PLANS ARE TO BE SUBMITTED TO MUNICIPALITY FOR FINAL APPROVAL.

ALL BASIN INFORMATION REQUIRED TO MEET DANE COUNTY STORMWATER MANUAL AS-BUILT CERTIFICATIONS CAN BE FOUND AT THE LINK BELOW AND WITHIN THE CHECKLISTS PROVIDED AT THE LINK. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION DURING CONSTRUCTION AND SHALL PROVIDE REQUIRED DATA TO THE ENGINEER FOR COMPLETION OF THE AS-BUILT CERTIFICATION, INCLUDING BUT NOT LIMITED TO CONSTRUCTION PHOTOS, GEOTECH INFORMATION, SAND SPECIFICATIONS, ENGINEERED SPECIFICATIONS, AND PLANT LISTS.
https://danecountystormwatermanual.com/doku.php?id=as_built_certification

BIORETENTION BASIN
N.T.S.

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MADISON REGIONAL OFFICE
507 WEST VERONA AVENUE, SUITE 500
VERONA, WISCONSIN 53593
P. 608.848.5060

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219 N MILWAUKEE ST, #325
MILWAUKEE, WI, 53202

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CITY OF FITCHBURG POLICE STATION

PROJECT LOCATION:
5540 LACY DRIVE
CITY OF FITCHBURG, DANE CTY WISCONSIN, 53711

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2	01.10.25	50% DESIGN DEVELOPMENT
3	02.21.25	100% DESIGN DEVELOPMENT DADC
4	02.28.25	100% DESIGN DEVELOPMENT
5	03.17.25	ADR SUBMITTAL
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Designed By: MSS
Reviewed By:
Approved By:

SHEET TITLE:
DETAILS

SHEET NUMBER:
C5.1

JSD PROJECT NO: 23-13079

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COMPREHENSIVE PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
ORNAMENTAL TREES					
	CECA	*Cercis canadensis 'Columbus' / Columbus Strain Eastern Redbud*	B & B	Min. 8' Ht.	2
	HEMI	*Heptacodium miconioides / Seven Son Flower*	B & B	Min. 4' Ht.	3
	OSVI	*Ostrya virginiana / American Hophornbeam*	B & B	1.5" Cal	3
OVERSTORY DECIDUOUS TREES					
	CEOC	*Celtis occidentalis / Common Hackberry*	B & B	2.5" Cal	6
	GYDI	*Gymnocladus dioicus / Kentucky Coffeetree*	B & B	2.5" Cal	8
	QUBI	*Quercus bicolor / Swamp White Oak*	B & B	2.5" Cal	3
	QUSC	*Quercus x schuettei / Swamp Bur Oak*	B & B	2.5" Cal	12
DECIDUOUS SHRUBS					
	ARME	*Aronia melanocarpa 'Morton' TM / Iroquis Beauty Black Chokeberry*	#5	Min. 36" tall	26
	CEAM	*Ceanothus americanus / New Jersey Tea*	#3	Min. 18-24" Ht.	55
	COBA	*Cornus baileyi / Bailey's Red-twig Dogwood*	B & B	36" Ht.	17
	CORA	*Cornus racemosa / Gray Dogwood*	#5	36" Ht. (min)	26
	COAM	*Corylus americana / American Hazelnut*	#5	Min. 36" tall	23
PERENNIALS & GRASSES					
	ALCE	*Allium cernuum / Nodding Onion*	#1	Min. 6"-18"	88
	AMCA	*Amorpha canescens / Leadplant*	#3	Min. 12"-24"	26
	ASAZ	*Aster azureus / Sky Blue Aster*	#3	Min. 24" Ht.	26
	PAVI	*Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass*	#1	Min. 6"-18"	184
	RUAG	*Rudbeckia x 'American Gold Rush' / American Gold Rush Coneflower*	#1	Min. 6"-18"	26
	SCSC	*Schizachyrium scoparium 'Prairie Blues' / Prairie Blues Little Bluestem*	#1	Min. 6"-18"	44
	SPHE	*Sporobolus heterolepis / Prairie Dropseed*	#1	Min. 6"-18"	142

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- REJECT CURB AND GUTTER
- MOUNTABLE CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- 959 PROPOSED 1 FOOT CONTOUR
- 960 PROPOSED 5 FOOT CONTOUR
- 959 EXISTING 1 FOOT CONTOUR
- 960 EXISTING 5 FOOT CONTOUR
- STORMWATER MANAGEMENT AREA
- SANITARY SEWER
- WATERMAIN
- STORM SEWER
- SAN EXISTING SANITARY SEWER
- W EXISTING WATERMAIN
- ST EXISTING STORM SEWER
- RETAINING WALL
- X RAILING
- X FENCE
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- ADA PARKING SIGN
- LANDSCAPE EDGING
- SEED - RAINWATER RENEWAL MIX
- SEED - SHORT PRAIRIE MIX
- SEED - FESCUE MIX
- NATIVE VEGETATED MAT -OR- PLUG PLANTINGS
- DECORATIVE STONE MULCH

NOTES

1. ALL DISTURBED AREAS NOT LABELED ON PLAN SHALL RECEIVE TURGRASS SEED MIX.
2. ALL PLANTING BEDS SHALL RECEIVE SHREDDED HARDWOOD BARK MULCH, UNLESS OTHERWISE NOTED.

north

SCALE IN FEET

30' 0 30'

DIGGERS HOTLINE
Toll Free (800) 242-8511

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MADISON REGIONAL OFFICE
507 WEST VERONA AVENUE, SUITE 500
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Designed By: MWS
Reviewed By: KJY
Approved By: KJY

SHEET TITLE:
LANDSCAPE PLAN - OVERALL

SHEET NUMBER:
L1.0

JSD PROJECT NO: 23-13070

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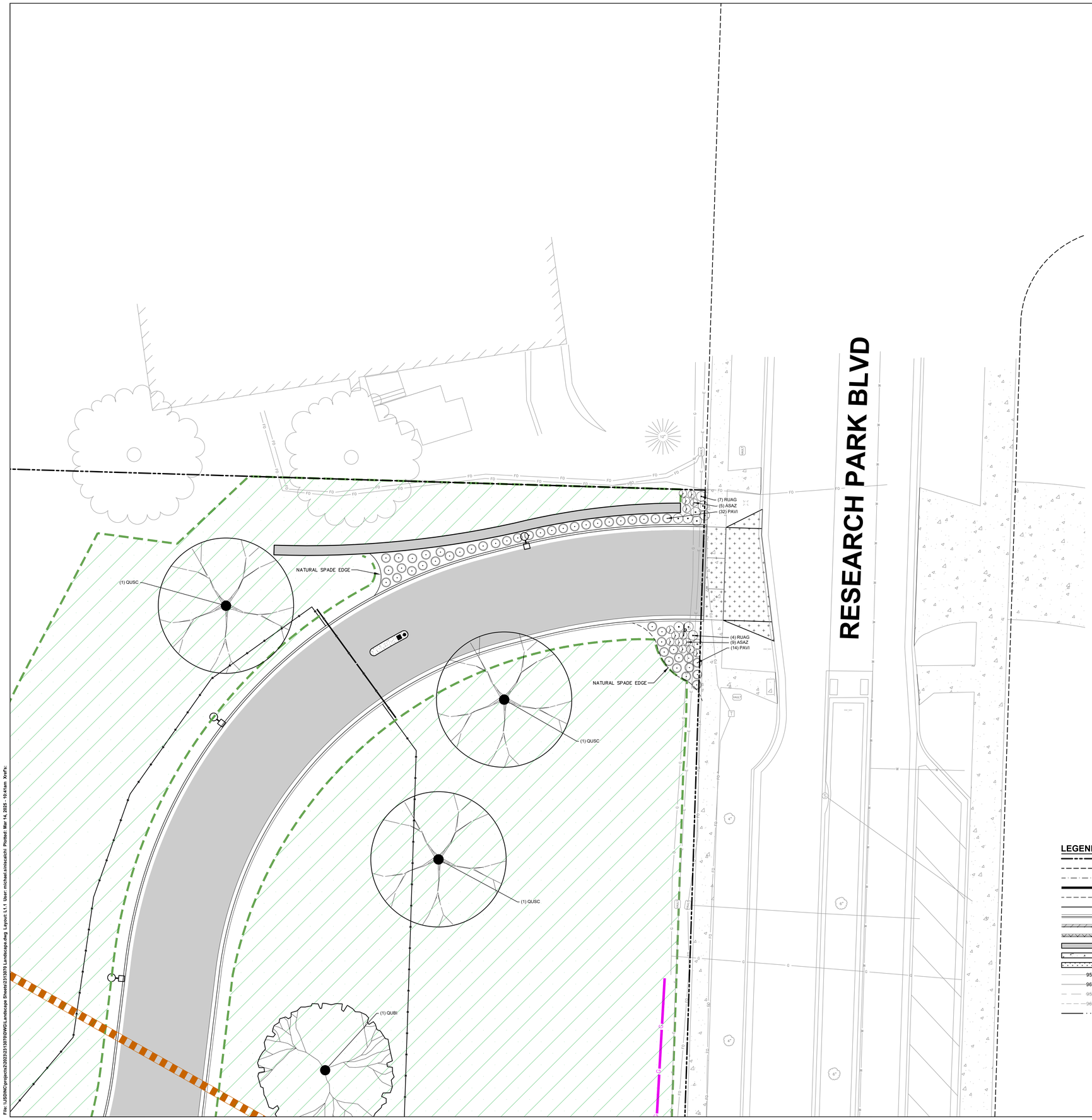

PLANT LIST

SYMBOL	CODE	BOTANICAL / COMMON NAME
ORNAMENTAL TREES		
	CECA	Cercis canadensis 'Columbus' / Columbus Strain Eastern Redbud
	HEMI	Heptacodium miconioides / Seven Son Flower
	OSVI	Ostrya virginiana / American Hophornbeam
OVERSTORY DECIDUOUS TREES		
	CEOC	Celtis occidentalis / Common Hackberry
	GYDI	Gymnocladus dioicus / Kentucky Coffeetree
	QUBI	Quercus bicolor / Swamp White Oak
	QUSC	Quercus x schuettei / Swamp Bur Oak
DECIDUOUS SHRUBS		
	ARME	Aronia melanocarpa 'Morton' TM / Iroquis Beauty Black Chokeberry
	CEAM	Ceanothus americanus / New Jersey Tea
	COBA	Cornus baileyi / Bailey's Red-twig Dogwood
	CORA	Cornus racemosa / Gray Dogwood
	COAM	Corylus americana / American Hazelnut
PERENNIALS & GRASSES		
	ALCE	Allium cernuum / Nodding Onion
	AMCA	Amorpha canescens / Leadplant
	ASAZ	Aster azureus / Sky Blue Aster
	PAVI	Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass
	RUAG	Rudbeckia x 'American Gold Rush' / American Gold Rush Coneflower
	SCSC	Schizachyrium scoparium 'Prairie Blues' / Prairie Blues Little Bluestem *
	SPHE	Sporobolus heterolepis / Prairie Dropseed

LEGEND

PROPERTY LINE	SANITARY SEWER
RIGHT-OF-WAY	WATERMAIN
EASEMENT LINE	STORM SEWER
BUILDING OUTLINE	EXISTING SANITARY SEWER
BUILDING OVERHANG	EXISTING WATERMAIN
EDGE OF PAVEMENT	EXISTING STORM SEWER
STANDARD CURB AND GUTTER	RETAINING WALL
REJECT CURB AND GUTTER	RAILING
MOUNTABLE CURB AND GUTTER	FENCE
ASPHALT PAVEMENT	LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
CONCRETE PAVEMENT	ADA PARKING SIGN
HEAVY DUTY CONCRETE PAVEMENT	LANDSCAPE EDGING
959 PROPOSED 1 FOOT CONTOUR	SEED - RAINWATER RENEWAL MIX
960 PROPOSED 5 FOOT CONTOUR	SEED - SHORT PRAIRIE MIX
959 EXISTING 1 FOOT CONTOUR	SEED - FESCUE MIX
960 EXISTING 5 FOOT CONTOUR	NATIVE VEGETATED MAT -OR- PLUG PLANTINGS
STORMWATER MANAGEMENT AREA	DECORATIVE STONE MULCH

north

SCALE IN FEET

10' 0 10'

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CLIENT:
FGM ARCHITECTS

CLIENT ADDRESS:
219 N MILWAUKEE ST, #325
MILWAUKEE, WI, 53202

PROJECT:
CITY OF FITCHBURG
POLICE STATION

PROJECT LOCATION:
5540 LACY DRIVE
CITY OF FITCHBURG, DANE CTY
WISCONSIN, 53711

PLAN MODIFICATIONS:

#	Date:	Description:
1	11.01.24	SCHEMATIC DESIGN SET
2	01.10.25	50% DESIGN DEVELOPMENT
3	02.21.25	100% DESIGN DEVELOPMENT QAQC
4	02.28.25	100% DESIGN DEVELOPMENT
5	03.17.25	ADR SUBMITTAL
6		
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15		

Designed By: MWS
Reviewed By: KJY
Approved By: KJY

SHEET TITLE:
LANDSCAPE PLAN - DETAILED

SHEET NUMBER:
L1.1

JSD PROJECT NO: 23-13070

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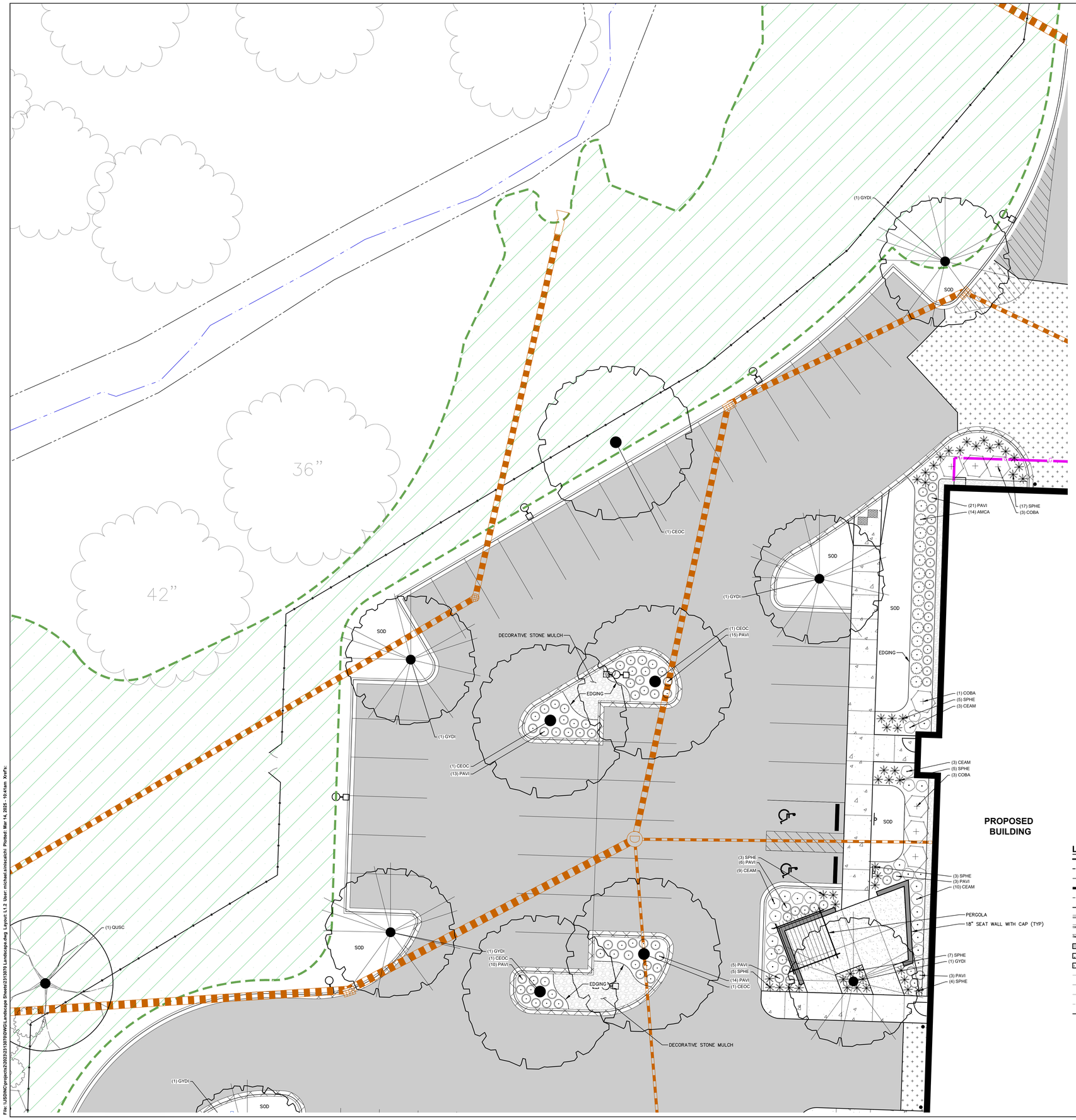

PLANT LIST

SYMBOL	CODE	BOTANICAL / COMMON NAME
ORNAMENTAL TREES		
	CECA	Cercis canadensis 'Columbus' / Columbus Strain Eastern Redbud
	HEMI	Heptacodium miconioides / Seven Son Flower
	OSVI	Ostrya virginiana / American Hophornbeam
OVERSTORY DECIDUOUS TREES		
	CEOC	Celtis occidentalis / Common Hackberry
	GYDI	Gymnocladus dioicus / Kentucky Coffeetree
	QUBI	Quercus bicolor / Swamp White Oak
	QUSC	Quercus x schuettei / Swamp Bur Oak
DECIDUOUS SHRUBS		
	ARME	Aronia melanocarpa 'Morton' TM / Iroquis Beauty Black Chokeberry
	CEAM	Ceanothus americanus / New Jersey Tea
	COBA	Cornus baileyi / Bailey's Red-twig Dogwood
	CORA	Cornus racemosa / Gray Dogwood
	COAM	Corylus americana / American Hazelnut
PERENNIALS & GRASSES		
	ALCE	Allium cernuum / Nodding Onion
	AMCA	Amorpha canescens / Leadplant
	ASAZ	Aster azureus / Sky Blue Aster
	PAVI	Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass
	RUAG	Rudbeckia x 'American Gold Rush' / American Gold Rush Coneflower
	SCSC	Schizachyrium scoparium 'Prairie Blues' / Prairie Blues Little Bluestem *
	SPHE	Sporobolus heterolepis / Prairie Dropseed

LEGEND

PROPERTY LINE	SANITARY SEWER
RIGHT-OF-WAY	WATERMAIN
EASEMENT LINE	STORM SEWER
BUILDING OUTLINE	EXISTING SANITARY SEWER
BUILDING OVERHANG	EXISTING WATERMAIN
EDGE OF PAVEMENT	EXISTING STORM SEWER
STANDARD CURB AND GUTTER	RETAINING WALL
REJECT CURB AND GUTTER	RAILING
MOUNTABLE CURB AND GUTTER	FENCE
ASPHALT PAVEMENT	LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
CONCRETE PAVEMENT	ADA PARKING SIGN
HEAVY DUTY CONCRETE PAVEMENT	LANDSCAPE EDGING
959 PROPOSED 1 FOOT CONTOUR	SEED - RAINWATER RENEWAL MIX
960 PROPOSED 5 FOOT CONTOUR	SEED - SHORT PRAIRIE MIX
959 EXISTING 1 FOOT CONTOUR	SEED - FESCUE MIX
960 EXISTING 5 FOOT CONTOUR	NATIVE VEGETATED MAT -OR- PLUG PLANTINGS
STORMWATER MANAGEMENT AREA	DECORATIVE STONE MULCH

north

SCALE IN FEET

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CLIENT:
FGM ARCHITECTS

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219 N MILWAUKEE ST, #325
MILWAUKEE, WI, 53202

PROJECT:
CITY OF FITCHBURG
POLICE STATION

PROJECT LOCATION:
5540 LACY DRIVE
CITY OF FITCHBURG, DANE CTY
WISCONSIN, 53711

PLAN MODIFICATIONS:

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4	02.28.25	100% DESIGN DEVELOPMENT
5	03.17.25	ADR SUBMITTAL
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Designed By: MWS
Reviewed By: KJY
Approved By: KJY

SHEET TITLE:
LANDSCAPE PLAN - DETAILED

SHEET NUMBER:
L1.2

JSD PROJECT NO: 23-13070

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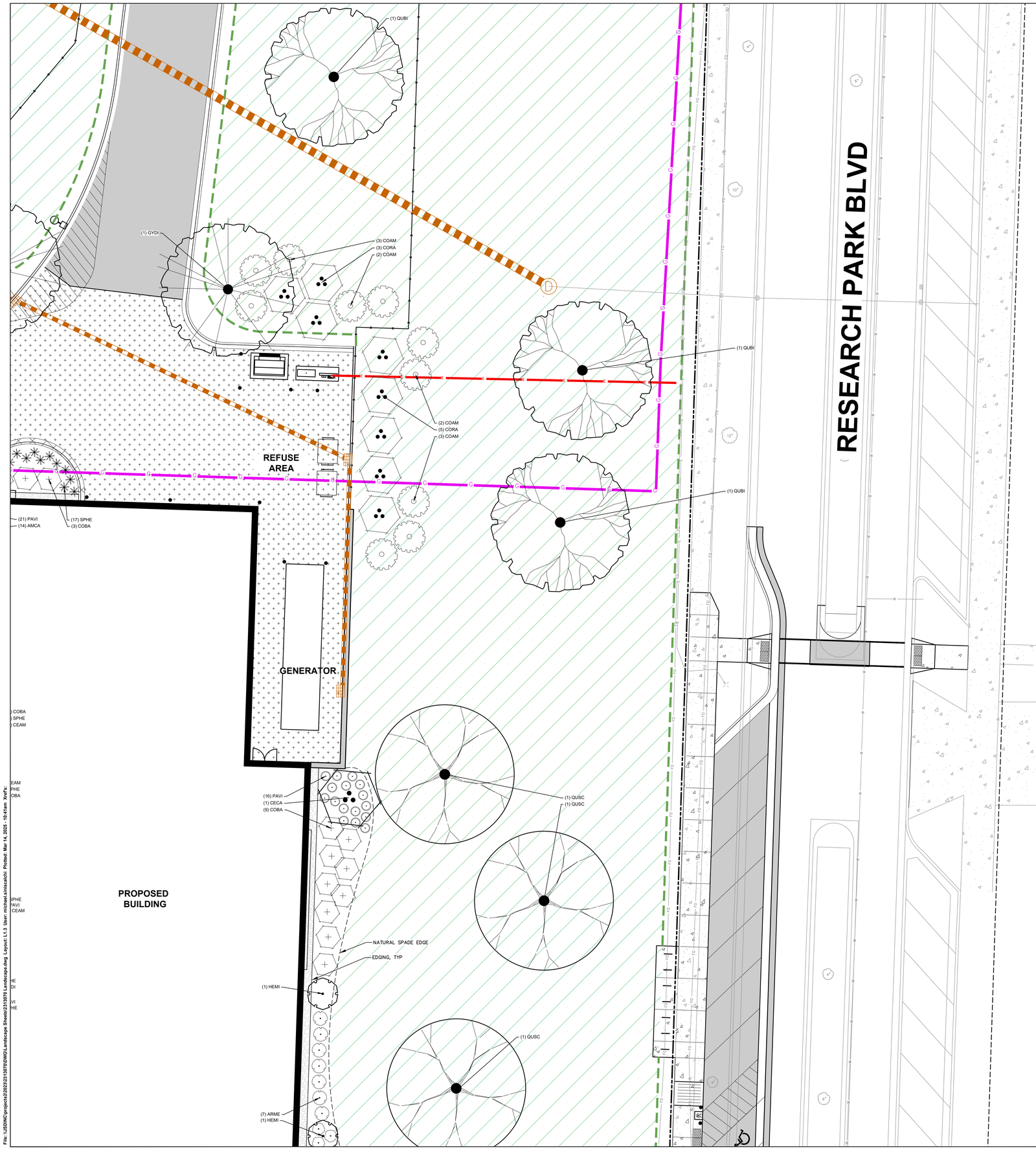

PLANT LIST

SYMBOL	CODE	BOTANICAL / COMMON NAME
ORNAMENTAL TREES		
	CECA	*Cercis canadensis 'Columbus' / Columbus Strain Eastern Redbud*
	HEMI	*Heptacodium miconioides / Seven Son Flower*
	OSVI	*Ostrya virginiana / American Hophornbeam*
OVERSTORY DECIDUOUS TREES		
	CEOC	*Celtis occidentalis / Common Hackberry*
	GYDI	*Gymnocladus dioicus / Kentucky Coffeetree*
	QUBI	*Quercus bicolor / Swamp White Oak*
	QUSC	*Quercus x schuettei / Swamp Bur Oak*
DECIDUOUS SHRUBS		
	ARME	*Aronia melanocarpa 'Morton' TM / Iroquis Beauty Black Chokeberry*
	CEAM	*Ceanothus americanus / New Jersey Tea*
	COBA	*Cornus baileyi / Bailey's Red-twig Dogwood*
	CORA	*Cornus racemosa / Gray Dogwood*
	COAM	*Corylus americana / American Hazelnut*
PERENNIALS & GRASSES		
	ALCE	*Allium cernuum / Nodding Onion*
	AMCA	*Amorpha canescens / Leadplant*
	ASAZ	*Aster azureus / Sky Blue Aster*
	PAVI	*Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass*
	RUAG	*Rudbeckia x 'American Gold Rush' / American Gold Rush Coneflower*
	SCSC	*Schizachyrium scoparium 'Prairie Blues' / Prairie Blues Little Bluestem* *
	SPHE	*Sporobolus heterolepis / Prairie Dropseed*

LEGEND

PROPERTY LINE	SANITARY SEWER
RIGHT-OF-WAY	WATERMAIN
EASEMENT LINE	STORM SEWER
BUILDING OUTLINE	EXISTING SANITARY SEWER
BUILDING OVERHANG	EXISTING WATERMAIN
EDGE OF PAVEMENT	EXISTING STORM SEWER
STANDARD CURB AND GUTTER	RETAINING WALL
REJECT CURB AND GUTTER	RAILING
MOUNTABLE CURB AND GUTTER	FENCE
ASPHALT PAVEMENT	LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
CONCRETE PAVEMENT	ADA PARKING SIGN
HEAVY DUTY CONCRETE PAVEMENT	LANDSCAPE EDGING
959 PROPOSED 1 FOOT CONTOUR	SEED – RAINWATER RENEWAL MIX
960 PROPOSED 5 FOOT CONTOUR	SEED – SHORT PRAIRIE MIX
959 EXISTING 1 FOOT CONTOUR	SEED – FESCUE MIX
960 EXISTING 5 FOOT CONTOUR	NATIVE VEGETATED MAT –OR– PLUG PLANTINGS
STORMWATER MANAGEMENT AREA	DECORATIVE STONE MULCH

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FGM ARCHITECTS

CLIENT ADDRESS:
219 N MILWAUKEE ST, #325
MILWAUKEE, WI, 53202

PROJECT:
CITY OF FITCHBURG
POLICE STATION

PROJECT LOCATION:
5540 LACY DRIVE
CITY OF FITCHBURG, DANE CTY
WISCONSIN, 53711

PLAN MODIFICATIONS:

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5	03.17.25	ADR SUBMITTAL
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Designed By: MWS
Reviewed By: KJY
Approved By: KJY

SHEET TITLE:
LANDSCAPE PLAN - DETAILED

SHEET NUMBER:
L1.3

JSD PROJECT NO: 23-13070

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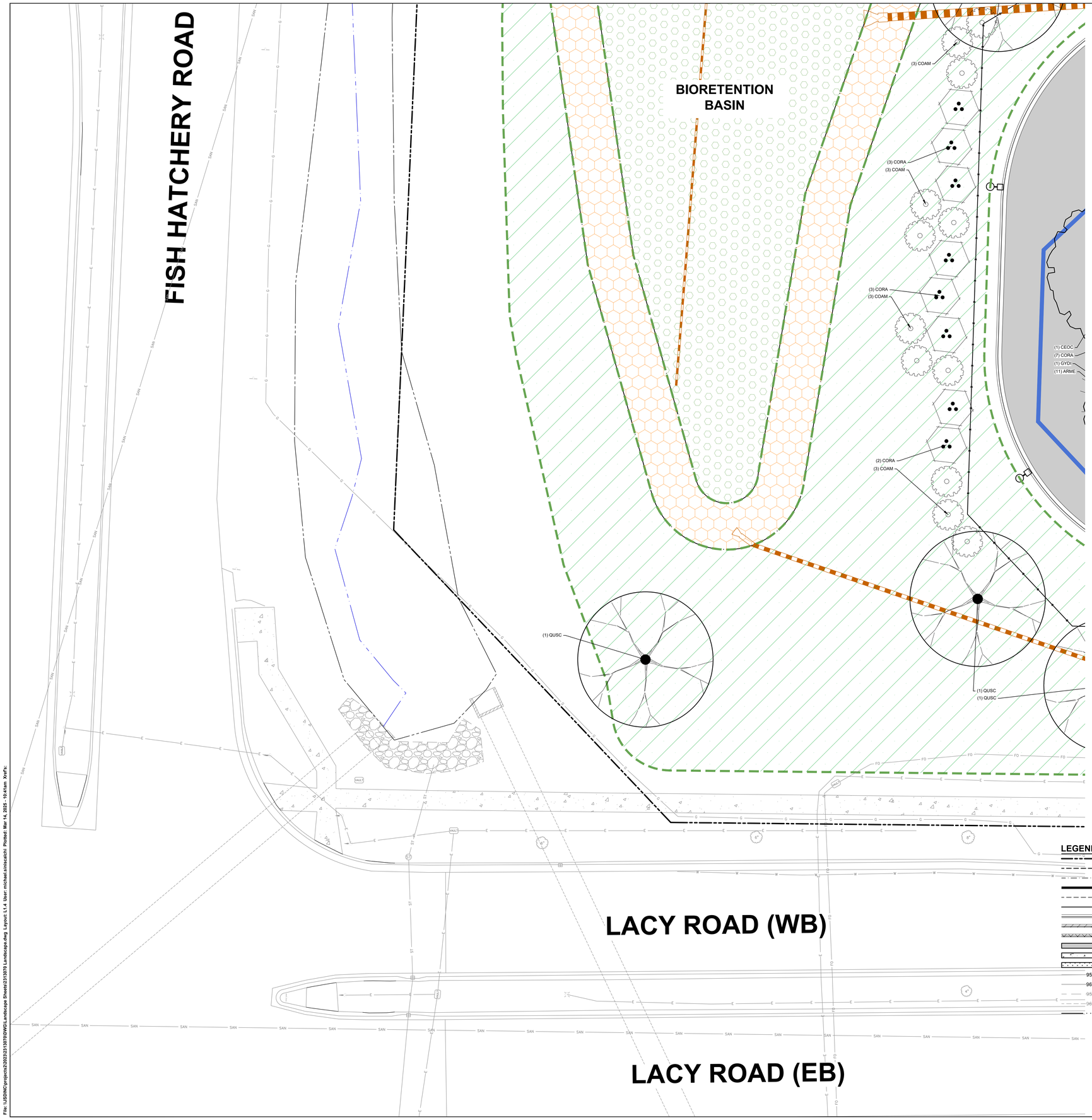

PLANT LIST

SYMBOL	CODE	BOTANICAL / COMMON NAME
ORNAMENTAL TREES		
	CECA	Cercis canadensis 'Columbus' / Columbus Strain Eastern Redbud
	HEMI	Heptacodium miconioides / Seven Son Flower
	OSVI	Ostrya virginiana / American Hophornbeam
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	GYDI	Gymnocladus dioicus / Kentucky Coffeetree
	QUBI	Quercus bicolor / Swamp White Oak
	QUSC	Quercus x schuettei / Swamp Bur Oak
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	CEAM	Ceanothus americanus / New Jersey Tea
	COBA	Cornus baileyi / Bailey's Red-twig Dogwood
	CORA	Cornus racemosa / Gray Dogwood
	COAM	Corylus americana / American Hazelnut
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	AMCA	Amorpha canescens / Leadplant
	ASAZ	Aster azureus / Sky Blue Aster
	PAVI	Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass
	RUAG	Rudbeckia x 'American Gold Rush' / American Gold Rush Coneflower
	SCSC	Schizachyrium scoparium 'Prairie Blues' / Prairie Blues Little Bluestem *
	SPHE	Sporobolus heterolepis / Prairie Dropseed

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- REJECT CURB AND GUTTER
- MOUNTABLE CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- 959 PROPOSED 1 FOOT CONTOUR
- 960 PROPOSED 5 FOOT CONTOUR
- 959 EXISTING 1 FOOT CONTOUR
- 960 EXISTING 5 FOOT CONTOUR
- STORMWATER MANAGEMENT AREA
- SANITARY SEWER
- WATERMAIN
- STORM SEWER
- SAN EXISTING SANITARY SEWER
- W EXISTING WATERMAIN
- ST EXISTING STORM SEWER
- RETAINING WALL
- X RAILING
- X FENCE
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- ADA PARKING SIGN
- LANDSCAPE EDGING
- SEED – RAINWATER RENEWAL MIX
- SEED – SHORT PRAIRIE MIX
- SEED – FESCUE MIX
- NATIVE VEGETATED MAT –OR– PLUG PLANTINGS
- DECORATIVE STONE MULCH

north

SCALE IN FEET

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CLIENT:
FGM ARCHITECTS

CLIENT ADDRESS:
219 N MILWAUKEE ST, #325
MILWAUKEE, WI, 53202

PROJECT:
CITY OF FITCHBURG POLICE STATION

PROJECT LOCATION:
5540 LACY DRIVE
CITY OF FITCHBURG, DANE CTY WISCONSIN, 53711

PLAN MODIFICATIONS:

#	Date:	Description:
1	11.01.24	SCHEMATIC DESIGN SET
2	01.10.25	50% DESIGN DEVELOPMENT
3	02.21.25	100% DESIGN DEVELOPMENT QAQC
4	02.28.25	100% DESIGN DEVELOPMENT
5	03.17.25	ADR SUBMITTAL
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Designed By:	MWS
Reviewed By:	KJY
Approved By:	KJY

SHEET TITLE:
LANDSCAPE PLAN - DETAILED

SHEET NUMBER:
L1.4

JSD PROJECT NO: 23-13070

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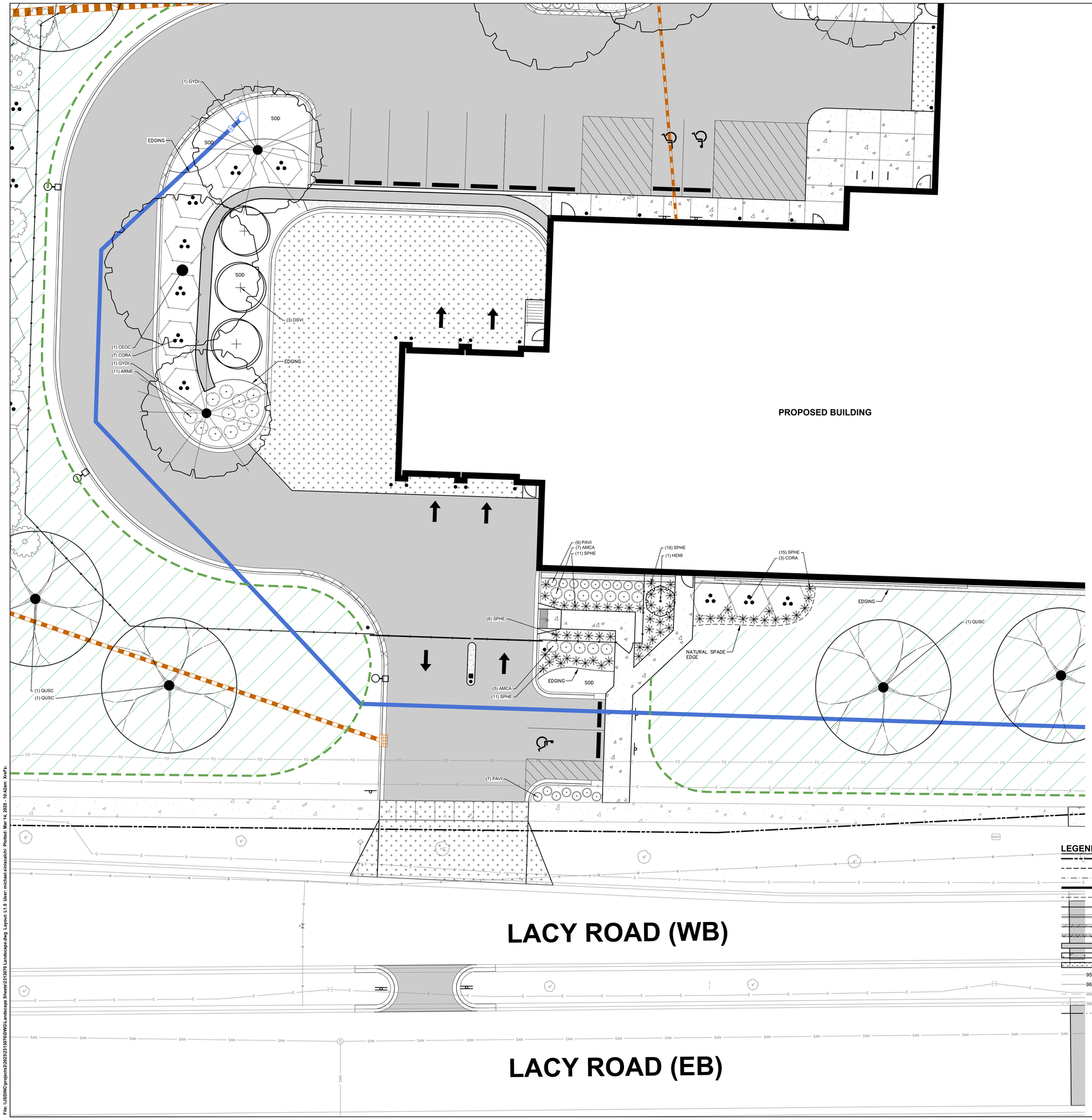

PLANT LIST

SYMBOL	CODE	BOTANICAL / COMMON NAME
ORNAMENTAL TREES		
	CECA	Cercis canadensis 'Columbus' / Columbus Strain Eastern Redbud
	HEMI	Heptacodium miconioides / Seven Son Flower
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OVERSTORY DECIDUOUS TREES		
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	GYDI	Gymnocladus dioicus / Kentucky Coffeetree
	QUBI	Quercus bicolor / Swamp White Oak
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DECIDUOUS SHRUBS		
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	PAVI	Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass
	RUAG	Rudbeckia x 'American Gold Rush' / American Gold Rush Coneflower
	SCSC	Schizachyrium scoparium 'Prairie Blues' / Prairie Blues Little Bluestem *
	SPHE	Sporobolus heterolepis / Prairie Dropseed

LEGEND

PROPERTY LINE	SANITARY SEWER
RIGHT-OF-WAY	WATERMAIN
EASEMENT LINE	STORM SEWER
BUILDING OUTLINE	EXISTING SANITARY SEWER
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EDGE OF PAVEMENT	EXISTING STORM SEWER
STANDARD CURB AND GUTTER	RETAINING WALL
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ASPHALT PAVEMENT	LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
CONCRETE PAVEMENT	ADA PARKING SIGN
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STORMWATER MANAGEMENT AREA	DECORATIVE STONE MULCH

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SCALE IN FEET

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CLIENT:
FGM ARCHITECTS

CLIENT ADDRESS:
219 N MILWAUKEE ST, #325
MILWAUKEE, WI, 53202

PROJECT:
CITY OF FITCHBURG
POLICE STATION

PROJECT LOCATION:
5540 LACY DRIVE
CITY OF FITCHBURG, DANE CTY
WISCONSIN, 53711

PLAN MODIFICATIONS:

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5	03.17.25	ADR SUBMITTAL
6		
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Designed By:	MWS
Reviewed By:	KJY
Approved By:	KJY

SHEET TITLE:
LANDSCAPE PLAN - DETAILED

SHEET NUMBER:
L1.5

JSD PROJECT NO: 23-13070

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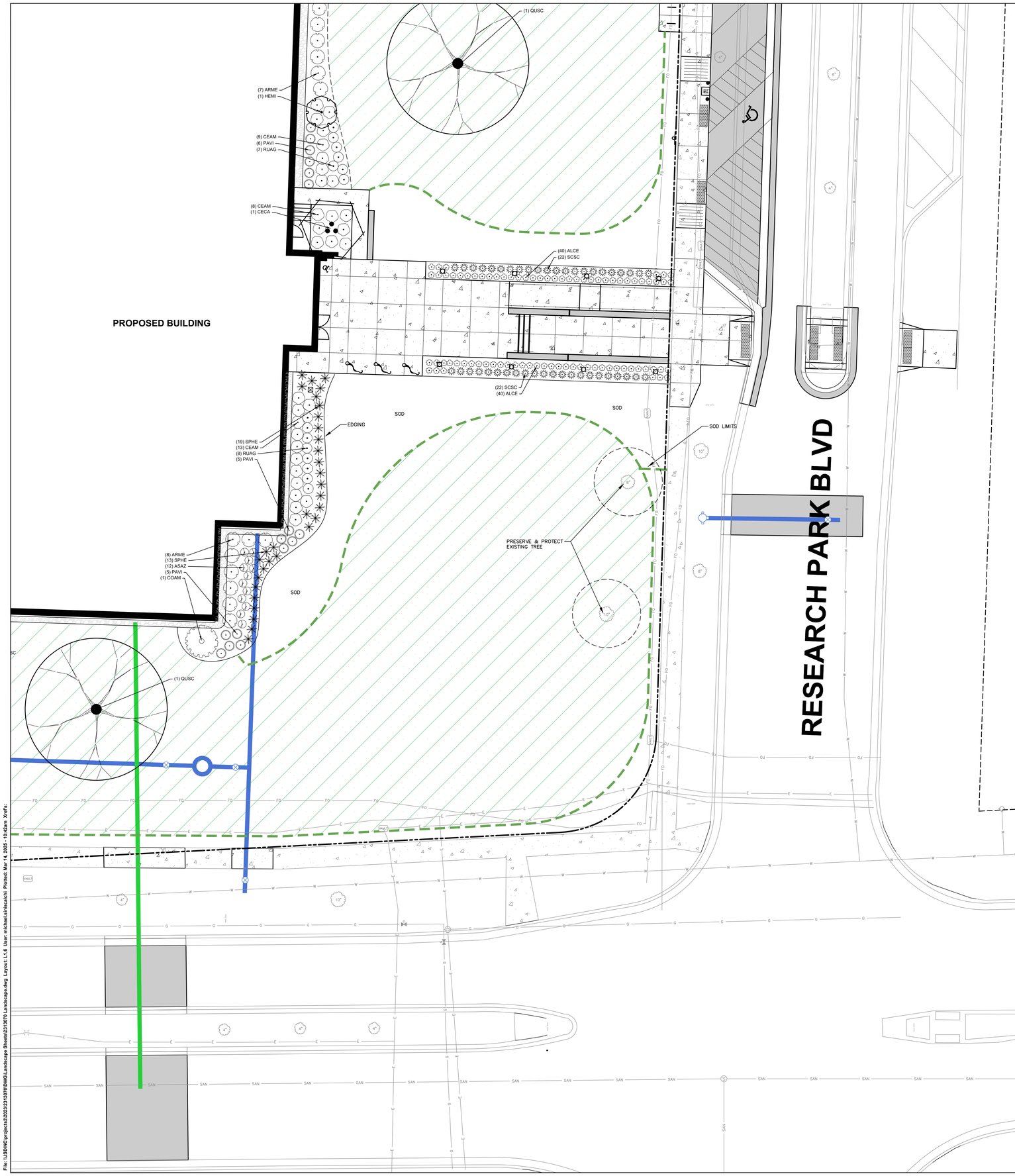

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north

SCALE IN FEET

10' 0 10'

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Designed By:	MWS
Reviewed By:	KJY
Approved By:	KJY

SHEET TITLE:
LANDSCAPE PLAN - DETAILED

SHEET NUMBER:
L1.6

JSD PROJECT NO: 23-13070

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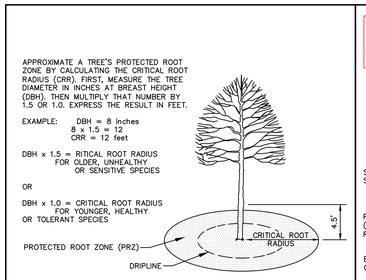
File: \\JSDINC\projects\2023\23130700\WGI\Landscape Sheets\23130700 Landscape.dwg Layout: L1.6 User: michael.sinicakich Plotted: Mar 14, 2025 - 10:42am Xref's:

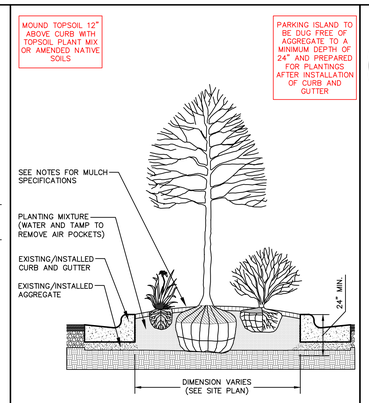


NOTE:
1. CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING IN THE AREA SURROUNDING THE TREE WITHIN THE CRITICAL ROOT RADIUS
2. NO EXCAVATION IS PERMITTED WITHIN THE CRITICAL ROOT RADIUS
3. IF EXCAVATION WITHIN THE CRITICAL ROOT RADIUS OF ANY TREE IS NECESSARY, CONTRACTOR SHALL CONTACT CITY FORESTER PRIOR TO EXCAVATION TO ASSESS THE IMPACT TO THE TREE AND ROOT SYSTEM.

TREE PROTECTION DETAIL

N.T.S.

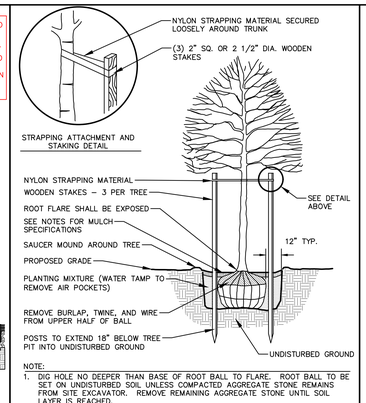
REV. 01-04-2019



PARKING ISLAND LANDSCAPE DETAIL

N.T.S.

REV. 01-03-2019

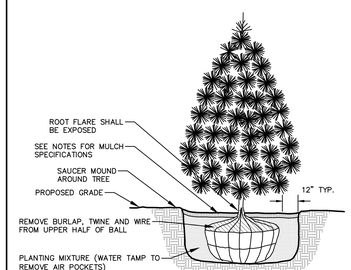


NOTE:
1. DIG HOLE NO DEEPER THAN BASE OF ROOT BALL TO FLARE. ROOT BALL TO BE SET ON UNDISTURBED SOIL UNLESS COMPACTED AGGREGATE STONE REMAINS FROM SITE EXCAVATOR. REMOVE REMAINING AGGREGATE STONE UNTIL SOIL LAYER IS REACHED.
2. REMOVE NYLON STRAPPING WITHIN 9-18 MONTHS FOLLOWING INSTALLATION

DECIDUOUS TREE PLANTING DETAIL

N.T.S.

REV. 01-04-2019

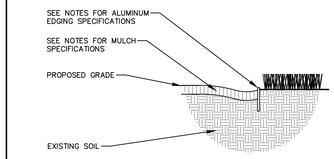


NOTE:
1. DIG HOLE NO DEEPER THAN BASE OF ROOT BALL TO FLARE. ROOT BALL TO BE SET ON UNDISTURBED SOIL UNLESS COMPACTED AGGREGATE STONE REMAINS FROM SITE EXCAVATOR. REMOVE REMAINING AGGREGATE STONE UNTIL SOIL LAYER IS REACHED

EVERGREEN TREE PLANTING DETAIL

N.T.S.

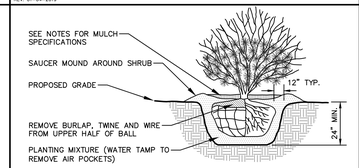
REV. 01-03-2019



ALUMINUM LANDSCAPE EDGING DETAIL

N.T.S.

REV. 01-03-2019

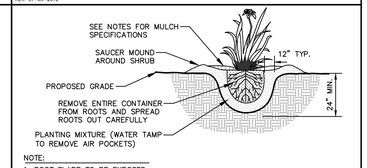


NOTE:
1. ROOT FLARE TO BE EXPOSED.

SHRUB PLANTING DETAIL

N.T.S.

REV. 01-03-2019



NOTE:
1. ROOT FLARE TO BE EXPOSED

PERENNIAL/ORNAMENTAL GRASS PLANTING DETAIL

N.T.S.

REV. 01-03-2019

BIORETENTION AREA PLUG PLANTING SCHEDULE — 8,965 SF

Scientific Name	Common Name	Quantity	Spacing	Install Size
Baptisia leucantha	Wild White Indigo	428	12" O.C.	6" plug
Eupatorium maculatum	Spotted Joe Pye Weed	428	12" O.C.	6" plug
Liatris spicata	Marsh Blazing Star	428	12" O.C.	6" plug
Monarda fistulosa	Wild Bergamot	428	12" O.C.	6" plug
Ratibida hirta	Black-eyed Susan	428	12" O.C.	6" plug
Solidago rugosa 'Fireworks'	Fireworks Goldenrod	428	12" O.C.	6" plug
Tradescanta ohiensis	Spiderwort	428	12" O.C.	6" plug
Ratibida pinnata	Yellow Coneflower	428	12" O.C.	6" plug
Geranium maculatum	Wild Geranium	428	12" O.C.	6" plug
Solidago flexicaulis	Zig Zag Goldenrod	428	12" O.C.	6" plug
Elymus canadensis	Canada Wild Rye	596	12" O.C.	6" plug
Carex stipata	Common Fox Sedge	596	12" O.C.	6" plug
Carex bebbi	Bebb's Sedge	596	12" O.C.	6" plug
Carex comosa	Bottlebrush Sedge	596	12" O.C.	6" plug
Panicum virgatum	Switch Grass	1150	12" O.C.	6" plug
Bromus ciliatus	Fringed Brome Grass	1150	12" O.C.	6" plug

GENERAL NOTES

1. GENERAL: ALL WORK IN THE R-O-W AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES. LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO UTILITIES. CONTRACTOR MUST CALL 1-800-242-8511 FOR UTILITY LOCATIONS AT LEAST THREE DAYS PRIOR TO DIGGING. HAND DIG AND INSTALL ALL PLANTS THAT ARE NEAR EXISTING UTILITIES. PROTECT PREVIOUSLY INSTALLED WORK OF OTHER TRADES. CONTRACTOR IS RESPONSIBLE FOR STAKING THE PLANT MATERIALS FOR REVIEW BY OWNER PRIOR TO DIGGING AND PLACEMENT AND SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.
2. DELIVERY AND HANDLING: DO NOT DELIVER MORE PLANT MATERIALS THAN CAN BE PLANTED IN ONE DAY, UNLESS ADEQUATE, APPROPRIATE AND SECURE STORAGE IS PROVIDED AND APPROVED BY OWNER'S REPRESENTATIVE. AT ALL TIMES, PROTECT ALL PLANT MATERIALS FROM WIND AND DIRECT SUN. DELIVER PLANTS WITH LEGIBLE IDENTIFICATION LABELS. PROTECT PLANTS DURING DELIVERY AND DO NOT PRUNE PRIOR TO DELIVERY. ALL TREES AND SHRUBS SHALL BE PLANTED ON THE DAY OF DELIVERY; IF THIS IS NOT POSSIBLE, PROTECT THE PLANT MATERIALS NOT PLANTED BY STORING THEM IN A SHADED, SECURE AREA, PROTECTING THE ROOT MASS WITH WET SOIL, MULCH, HAY OR OTHER SUITABLE MEDIUM. CONTRACTOR TO KEEP ALL PLANT MATERIALS ADEQUATELY WATERED TO PREVENT ROOT DESICCATION. DO NOT REMOVE CONTAINER GROWN STOCK FROM CONTAINERS BEFORE TIME OF PLANTING. DO NOT PICK UP CONTAINER OR BALLED PLANTS BY STEM OR ROOTS. ALL PLANTS SHALL BE LIFTED AND HANDLED FROM THE BOTTOM OF THE CONTAINER OR BALL. PERFORM ACTUAL PLANTING ONLY WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE IN ACCORDANCE WITH LOCALLY ACCEPTED BEST HORTICULTURAL PRACTICES.
3. MATERIALS – PLANTS: ALL PLANTS SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1. PLANTS SHALL BE TRUE TO SPECIES AND VARIETY SPECIFIED AND NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST 2 YEARS. PLANTS SHALL BE FRESHLY DUG (DURING THE MOST RECENT FAVORABLE HARVEST SEASON). PLANTS SHALL BE SO TRAINED IN DEVELOPMENT AND APPEARANCE AS TO BE UNQUESTIONABLY SUPERIOR IN FORM, COMPACTNESS, AND SYMMETRY. PLANTS SHALL BE SOUND, HEALTHY, VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF, AND FREE OF DISEASE AND INSECTS (ADULT EGGS, PUPAE OR LARVAE). THEY SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS AND SHALL BE FREE FROM PHYSICAL DAMAGE OR OTHER CONDITIONS THAT WOULD PREVENT THRIVING GROWTH OR PREMATURE MORTALITY. PLANTS SHALL BE OF THE HIGHEST QUALITY, POSSESS TYPICAL GROWTH HABITS AND FORM FOR THEIR SPECIES AND BE FREE OF INJURY. PARKWAY TREES AND PARKING LOT TREES SHALL HAVE A MINIMUM BRANCHING HEIGHT OF SIX (6) FEET ABOVE THE GROUND TO ALLOW ADEQUATE VISUAL AND PHYSICAL CLEARANCE.
4. PRUNING: THE CONTRACTOR SHALL PRUNE ALL TREES AND REPAIR ANY INJURIES THAT OCCURRED DURING THE PLANTING PROCESS. DOUBLE LEADERS, DEAD BRANCHES, AND LIMBS DAMAGED OR BROKEN DURING THE PLANTING PROCESS, SHALL BE PRUNED. THIS SHALL BE THE ONLY PRUNING ALLOWED AT PLANTING. PRUNING SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR TREE CARE OPERATIONS, ANSI A300. PRUNE TREES IN ACCORDANCE WITH NAA GUIDELINES. DO NOT TOP TREES. PRUNE SHRUBS ACCORDING TO STANDARD HORTICULTURAL PRACTICES. ON CUTS OVER 3/4" IN DIAMETER AND BRUISES OR SCARS ON BARK, TRACE THE INJURED CAMBIUM LAYER BACK TO LIVING TISSUE AND REMOVE. SMOOTH AND SHAPE WOUNDS SO AS NOT TO RETAIN WATER. TREAT THE AREA WITH AN APPROVED INCONSPICUOUS LATEX BASED ANTISEPTIC TREE PAINT, IF PRUNING OCCURS "IN SEASON". DO NOT PRUNE ANY OAK TREES DURING THE MONTHS FROM APRIL TO OCTOBER.
5. CLEANUP: THE WORK AREA SHALL BE KEPT SAFE AND NEAT AT ALL TIMES. DISPOSED OF EXCESS SOIL. REMOVE ALL CUTTINGS AND WASTE MATERIALS, SOIL AND BRANCHES. BIND AND WRAP THESE MATERIALS, ANY REJECTED PLANTS, AND ANY OTHER DEBRIS RESULTING FROM ALL PLANTING TASKS AND PROMPTLY CLEAN UP AND REMOVE FROM THE PROJECT SITE. UNDER NO CIRCUMSTANCES SHALL THE ACCUMULATION OF SOIL, BRANCHES OR OTHER DEBRIS BE ALLOWED UPON A PUBLIC PROPERTY IN SUCH A MANNER AS TO RESULT IN A PUBLIC SAFETY HAZARD OR DAMAGE. LIKEWISE, UNDER NO CIRCUMSTANCES SHALL ANY DEBRIS OR INCIDENTAL MATERIALS BE ALLOWED UPON ADJACENT PRIVATE PROPERTY.
6. ANY SUBSTITUTIONS IN PLANT TYPE, LOCATION, OR SIZE SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
7. CONTRACTOR TO VERIFY PLANT MATERIAL QUANTITIES AND SQUARE FOOTAGES. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE OVER THOSE ON SCHEDULE.

LANDSCAPE MATERIAL NOTES

1. MATERIALS – PLANTING MIXTURE: ALL HOLES EXCAVATED FOR TREES, SHRUBS, PERENNIALS AND ORNAMENTAL GRASSES SHALL BE BACKFILLED WITH TWO (2) PARTS TOPSOIL, ONE (1) PART SAND AND ONE (1) PART COMPOST. SOIL MIXTURE SHALL BE WELL BLENDED PRIOR TO INSTALLATION.
2. MATERIALS – TOPSOIL: TOPSOIL TO BE CLEAN, FRIABLE LOAM FROM A LOCAL SOURCE, FREE FROM STONES OR DEBRIS OVER 3/4" IN DIAMETER, AND FREE FROM TOXINS OR OTHER DELETERIOUS MATERIALS. TOPSOIL SHALL HAVE A pH VALUE BETWEEN 6 AND 7. TOPSOIL AND PLANTING SOIL SHALL BE TESTED TO ENSURE CONFORMANCE WITH THESE SPECIFICATIONS AND SHALL BE AMENDED TO MEET THESE SPECIFICATIONS. PROVIDE TEST RESULTS TO OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT. DO NOT PLACE FROZEN OR MUDDY TOPSOIL. APPLY SOIL AMENDMENTS TO ALL LANDSCAPE AREAS PER SOIL TEST.
3. MATERIALS – SHREDDED HARDWOOD BARK MULCH: ALL PLANTING AREAS LABELED ON PLAN SHALL RECEIVE CERTIFIED WEED FREE SHREDDED HARDWOOD BARK MULCH INSTALLED TO A MINIMUM AND CONSISTENT DEPTH OF 3-INCHES. SHREDDED HARDWOOD BARK MULCH SIZE & COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY AND STATE REQUIREMENTS. SHREDDED HARDWOOD BARK MULCH AREAS SHALL NOT RECEIVE WOVEN WEED BARRIER FABRIC.
4. MATERIALS – DECORATIVE STONE MULCH: ALL PLANTING AREAS LABELED ON PLAN SHALL RECEIVE 1.5" EAU CLAIRE RIVER STONE MULCH SPREAD TO A MINIMUM AND CONSISTENT DEPTH OF 3-INCHES. DECORATIVE STONE MULCH TYPE, SIZE & COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY AND STATE REQUIREMENTS. STONE MULCH AREAS SHALL RECEIVE WOVEN WEED BARRIER FABRIC. NO PLASTIC/IMPERVIOUS BARRIERS WILL BE PERMITTED. EXAMPLE: BLACK VISQUEEN.
5. MATERIALS – TREE & SHRUB RINGS: ALL TREES AND/OR SHRUBS PLANTED IN SEEDED LAWN AREAS TO BE INSTALLED WITH A MINIMUM 4' DIAMETER SHREDDED HARDWOOD BARK MULCH TREE RING SPREAD TO A CONSISTENT DEPTH OF 3-INCHES. ALL TREE RINGS SHOULD BE INSTALLED WITH A 5" DEPTH SHOVEL CUT EDGE, ANGLED 45 DEGREES INTO SOIL AT A 5' DIAMETER ABOUT THE CENTER OF THE TREE PLANTING. A PRE-EMERGENT GRANULAR HERBICIDE WEED-PREVENTER SHOULD BE MIXED WITH MULCH USED TO INSTALL TREE RING AS WELL AS TOPICALLY APPLIED TO COMPLETED INSTALLATION OF TREE RING.
6. MATERIALS – LANDSCAPE EDGING: EDGING SHALL BE 1/8" X 5", ALUMINUM EDGING, MILL FINISH. OWNER'S REPRESENTATIVE SHALL APPROVE PRODUCT SPECIFICATION PROVIDED BY LANDSCAPE CONTRACTOR.
7. MATERIALS – TREE PROTECTION: ALL TREES TO BE INSTALLED WITH LDPE TREE GUARDS AS MANUFACTURED BY A.M. LEONARD HORTICULTURAL TOOL & SUPPLY CO., OR APPROVED EQUAL.
8. MATERIALS – TREE WATERING BAGS: ALL TREES TO BE INSTALLED WITH ONE (1) WATER BAG. PRODUCT TO BE "TREE GATOR ORIGINAL SLOW RELEASE WATERING BAG," PRODUCT NO. 98183-R OR APPROVED EQUAL. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

SEEDING, SODDING, & POND VEGETATION NOTES

1. FESCUE SEED MIX: DISTURBED LAWN AREAS LABELED ON PLAN AS SUCH, SHALL RECEIVE 6" OF TOPSOIL AND "LOW-MOW" FESCUE SEED MIX, OR APPROVED EQUAL, INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. IN ADDITION TO FESCUE SEED, ANNUAL RYE SHALL BE APPLIED TO ALL DISTURBED AREAS AT A RATE OF 1-1/2 LBS PER 1000 SQUARE FEET. FERTILIZE AND MULCH PER MANUFACTURER'S RECOMMENDATIONS.
2. TURFGRASS SEED MIX: DISTURBED LAWN AREAS LABELED ON PLAN AS SUCH, SHALL RECEIVE 6" OF TOPSOIL AND EARTH CARPET'S "MADISON PARKS" GRASS SEED, OR EQUIVALENT AS APPROVED BY THE OWNER'S REPRESENTATIVE, INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. IN ADDITION TO TURFGRASS SEED, ANNUAL RYE SHALL BE APPLIED TO ALL DISTURBED AREAS AT A RATE OF 1 1/2 LBS PER 1000 SQUARE FEET. FERTILIZE AND MULCH PER MANUFACTURER'S RECOMMENDATIONS. MULCH SHALL BE CERTIFIED NOXIOUS WEED SEED-FREE.
3. SOD: DISTURBED LAWN AREAS LABELED ON PLAN AS SUCH, SHALL RECEIVE 6" OF TOPSOIL AND A PREMIUM GRADE TURFGRASS SOD. ONLY IMPROVED TYPES OF SOD (ELITE) ARE ACCEPTABLE. TURFGRASS SHALL BE MACHINE CUT AT A UNIFORM THICKNESS OF .60 INCH, PLUS OR MINUS .25 INCH, AT TIME OF CUTTING. MEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH. LARGE ROLL TURFGRASS SOD SHALL BE CUT TO THE SUPPLIER'S STANDARD WIDTH (36-48 INCHES) AND LENGTH. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE. STANDARD SIZE SECTIONS OF TURGRASS SOD SHALL BE STRONG ENOUGH SO THAT THEY CAN BE PICKED UP AND HANDLED WITHOUT DAMAGE. TURFGRASS SOD SHALL NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT IS EXCESSIVELY DRY OR WET, AS THIS MAY ADVERSELY AFFECT ITS SURVIVAL. POST-PLANT IRRIGATION WILL BE NECESSARY TO ENSURE SOD STAYS ALIVE AND ROOTS INTO SOIL. THE CONTRACTOR IS RESPONSIBLE FOR WATERING SOD UNTIL TIME OF ACCEPTANCE BY THE OWNER. TURFGRASS SOD SHALL BE HARVESTED, DELIVERED, AND INSTALLED/TRANSPLANTED WITHIN A PERIOD OF 24 HOURS. TURFGRASS SOD SHALL BE RELATIVELY FREE OF THATCH, UP TO 0.5 INCH ALLOWABLE (UNCOMPRESSED). TURFGRASS SOD SHALL BE REASONABLY FREE (10 WEEDS/100 SQ. FT.) OF DISEASES, NEMATODES AND SOIL-BORNE INSECTS. ALL TURFGRASS SOD SHALL BE FREE OF GRASSY AND BROAD LEAF WEEDS AND WEED SEED. THE SOD SUPPLIER SHALL MAKE RECOMMENDATIONS TO THE CONTRACTOR REGARDING WATERING SCHEDULE. THE WATERING SCHEDULE SHOULD BEGIN IMMEDIATELY AFTER SOD IS INSTALLED.
4. SHORT PRAIRIE SEED MIX: DISTURBED LAWN AREAS LABELED ON PLAN AS SUCH, SHALL BE BROADCAST SEEDED WITH "SHORT PRAIRIE" SEED MIX, AS PROVIDED BY AGRECOL, LLC (WWW.AGRECOL.COM), OR APPROVED EQUAL. INSTALL SEED WITH SUPPLEMENTAL MATERIALS AND AMENDMENTS AS RECOMMENDED BY SEED SUPPLIER AND AT RATES AND OPTIMUM TIMES OF THE YEAR AS RECOMMENDED BY THE SEED SUPPLIER TO ENSURE SUCCESSFUL GERMINATION AND SEED/ROOT ZONE GROWTH DEVELOPMENT. REFER TO PRODUCT SPECIFICATIONS AND MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION.
3. RAINWATER RENEWAL SEED MIX: DISTURBED LAWN AREAS LABELED ON PLAN AS SUCH, SHALL BE BROADCAST SEEDED WITH "RAINWATER RENEWAL" SEED MIX, AS PROVIDED BY AGRECOL, LLC (WWW.AGRECOL.COM), OR APPROVED EQUAL. INSTALL SEED WITH SUPPLEMENTAL MATERIALS AND AMENDMENTS AS RECOMMENDED BY SEED SUPPLIER AND AT RATES AND OPTIMUM TIMES OF THE YEAR AS RECOMMENDED BY THE SEED SUPPLIER TO ENSURE SUCCESSFUL GERMINATION AND SEED/ROOT ZONE GROWTH DEVELOPMENT. REFER TO PRODUCT SPECIFICATIONS AND MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION.
4. NATIVE VEGETATIVE MAT (NVM): AREAS SPECIFIED ON PLANS SHALL RECEIVE AGRECOL "RAINWATER RENEWAL" NATIVE VEGETATIVE MAT – DEGRADABLE CORE. CONTRACTOR SHALL CONTACT AGRECOL NATIVE NURSERY 16 WEEKS IN ADVANCE OF INSTALLATION FOR PROPER GROWING LEAD TIME. CONTRACTOR SHALL ASSUME AVAILABLE DELIVERY DATE TO BE BETWEEN MID-JUNE THROUGH THE END OF OCTOBER DUE TO THE NMV GROWING SEASON. REFER TO PRODUCT SPECIFICATIONS AND MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION PROCEDURES.

4.1 (ALT BID) BIORETENTION BASIN PLUG PLANTINGS: IN THE EVENT NATIVE VEGETATIVE MAT CAN NOT BE SOURCED DUE TO LIMITED QUANTITY OR BECAUSE THE INSTALLATION SEASON DOES NOT ALIGN WITH ITS PURCHASING SEASON, PLUG PLANTINGS MAY BE USED AS AN ALTERATIVE. PLUG PLANTINGS SHALL BE INSTALLED 1'-0" ON CENTER, MIXING SPECIES INTEGRALLY IN FLATS OF 20 AT A TIME. REFER TO WDNR PLUG PLANTING TECHNICAL STANDARDS FOR ROOTSTOCK AND INSTALLATION SPECIFICATIONS.

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CLIENT:
FGM ARCHITECTS

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PROJECT:
CITY OF FITCHBURG
POLICE STATION

PROJECT LOCATION:
5540 LACY DRIVE
CITY OF FITCHBURG, DANE CTY
WISCONSIN, 53711

PLAN MODIFICATIONS:

#	Date:	Description:
1	11.01.24	SCHEMATIC DESIGN SET
2	01.10.25	50% DESIGN DEVELOPMENT
3	02.21.25	100% DESIGN DEVELOPMENT OAOO
4	02.28.25	100% DESIGN DEVELOPMENT
5	03.17.25	ADR SUBMITTAL
6		
7		
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9		
10		
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12		
13		
14		
15		

Designed By: MWS
Reviewed By: KJY
Approved By: KJY

SHEET TITLE:
LANDSCAPE DETAILS & NOTES

SHEET NUMBER:
L2.0

JSD PROJECT NO: 23-13078

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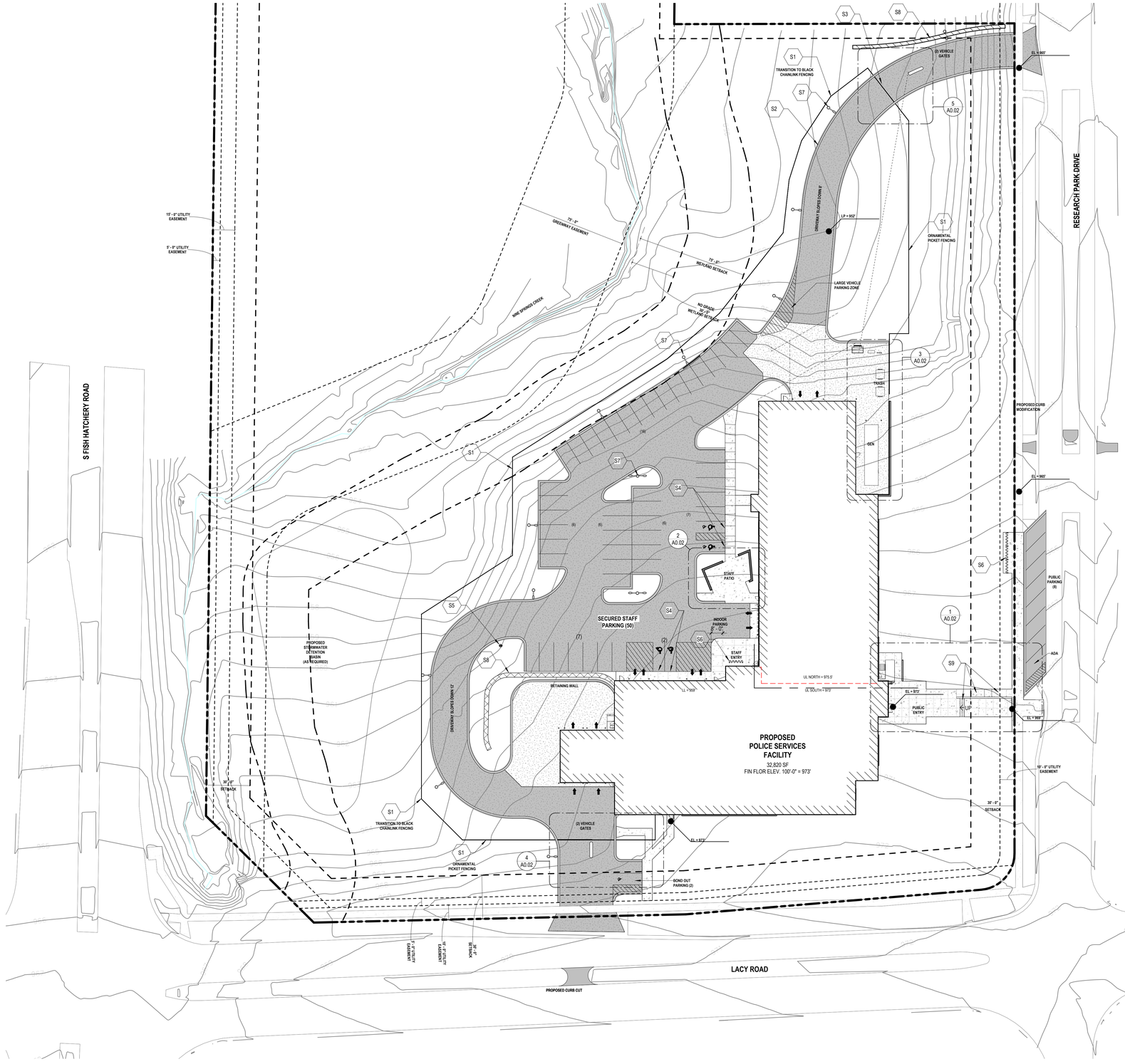
GENERAL SITE PLAN NOTES

1. REFER TO CIVIL AND LANDSCAPE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. EXPOSED FERROUS METALS ARE TO BE PAINTED, U.N.O.
3. PROVIDE GALVANIC SEPARATION BETWEEN DIFFERENT METAL TYPES, TYP.
4. NOTE ANY DISCREPANCIES BETWEEN CIVIL AND ARCHITECTURAL DRAWINGS WITH
5. REGARDS TO SCORING PATTERNS AND CONTROL JOINTS IN PAVING AND CONCRETE FLATWORK AND NOTIFY ARCHITECT PRIOR TO PROCEEDING.
6. COORDINATE SITE LIGHTING WITH ELECTRICAL DRAWINGS.
7. SEE LANDSCAPE DRAWINGS FOR TREE AND PLANTING LOCATIONS.
8. GENERAL CONTRACTOR IS RESPONSIBLE FOR CONTRACTOR PARKING ON OR OFF SITE.
9. CONTRACTOR STAGING WILL BE ALLOWED INSIDE THE CONSTRUCTION FENCE AREA. IF ADDITIONAL AREAS ARE REQUIRED, GENERAL CONTRACTOR IS REQUIRED TO OBTAIN PERMISSION FOR USE FROM OWNER.

SITE PLAN KEYED NOTES	
TAG	DESCRIPTION
S1	SITE PERIMETER FENCE, 7'-4" HIGH, TYP.
S2	CURB AND GUTTER, SEE 'C' SERIES FOR MORE INFO
S3	3'-0" WIDE X 7'-0" HIGH CHAIN LINK FENCE SWING GATE WITH LOCKING HARDWARE
S4	ACCESSIBLE PARKING SIGNAGE, REFER TO CIVIL DRAWINGS FOR INFORMATION
S5	FIRE HYDRANT, REFER TO CIVIL DRAWINGS FOR INFORMATION
S6	BIKE RACK: BASIS OF DESIGN LANDSCAPE FORMS, EMERSON BIKE RACK, POWDERCOAT METAL METALLIC FINISH, COLOR TO BE SELECTED BY ARCHITECT FROM COMPLETE RANGE.
S7	LIGHT POLE, SEE 'C' AND 'E' SERIES FOR MORE INFO
S8	RETAINING WALL SYSTEM, SEE 'C' AND 'S' SERIES FOR MORE INFO
S9	CONCRETE STAIR AND RAMP, SEE DETAILS FOR MORE INFO



SITE PLAN LEGEND

PROPERTY LINE	EL = XXX'	ELEVATION
SETBACK LINE	HP = XXX'	HIGH POINT (ELEVATION)
EASEMENT LINE	LP = XXX'	LOW POINT (ELEVATION)
CONTOUR LINE		

RETAINING WALL, SEE CIVIL AND STRUCTURE

BUILDING FOOTPRINT

CONCRETE, REFER TO CIVIL DRAWING

HEAVY DUTY CONCRETE, REFER TO CIVIL DRAWING

1 OVERALL ARCHITECTURAL SITE PLAN

1" = 30'-0"

fgma

FGM Architects Inc.
219 Milwaukee St, Suite 325
Milwaukee, Wisconsin 53202

414.346.7282 OFFICE

WISCONSIN STATE CERTIFICATE OF AUTHORIZATION WI #3101-11

CIVIL / LANDSCAPE
JSD PROFESSIONAL SERVICES
161 HORIZON DRIVE, SUITE 101
VERONA, WI 53593
608.848.5060 (O)
XXX STATE CERTIFICATE OF AUTHORITY
NO. XXXXXXXXXX

STRUCTURAL
AMBROSE ENGINEERING
W66N215 COMMERCE COURT
CEDARBURG, WI 53012
262.377.7602 (O)
XXX STATE CERTIFICATE OF AUTHORITY
NO. XXXXXXXXXX

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ISSUANCE		
NO	DATE	DESCRIPTION
2	02/28/2025	100% DESIGN DEVELOPMENT

FITCHBURG POLICE SERVICES FACILITY
CITY OF FITCHBURG
5550 RESEARCH PARK DRIVE, FITCHBURG, WI 53711

100% DESIGN DEVELOPMENT

ARCHITECTURAL SITE PLAN

SHEET NO.
A0.01

JOB NO. 23-3772.01

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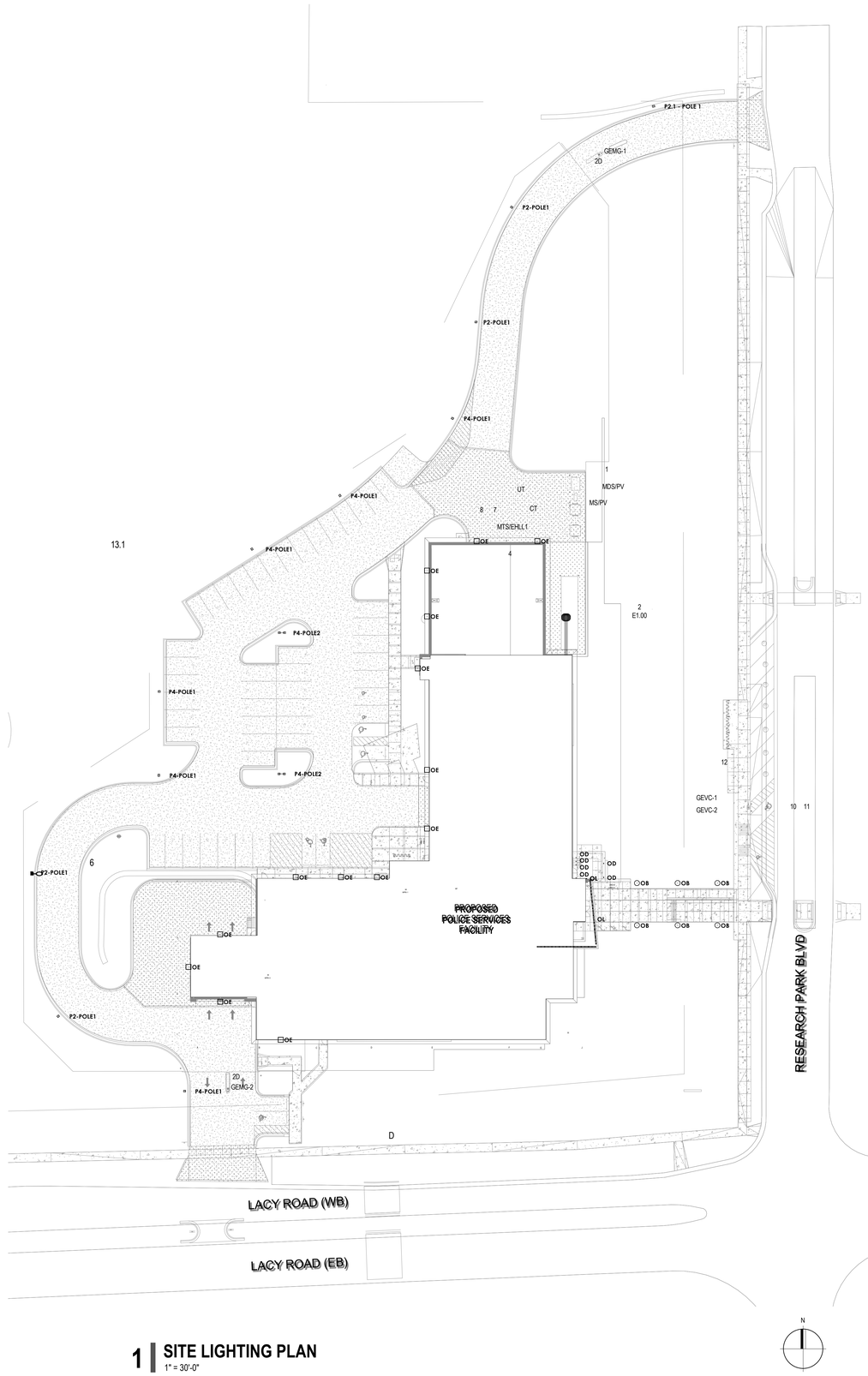


13.1

1 SITE LIGHTING PLAN
1" = 30'-0"

SHEET NOTES

A. ALL SITE POLE LIGHTING TO BE MOUNTED AT 20'-0" ABOVE FINISHED GRADE.

B. ALL WALLPACKS TO BE BUILDING MOUNTED AT 12'-0" ABOVE FINISHED GRADE.

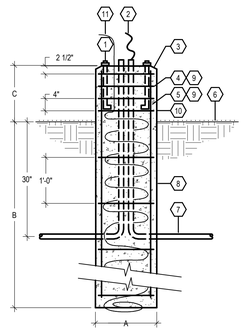
C. ALL SITE POLE LIGHTING TO BE CONTROLLED VIA INTEGRAL MOTION SENSORS TO ACHIEVE HIGH/LOW SETTINGS TO MEET ENERGY CODE REQUIREMENTS.

D. ALL BUILDING MOUNTED AND LANDSCAPE ACCENT LIGHTING TO BE CONTROLLED BY BUILDING'S CENTRAL LIGHTING CONTROL SYSTEM UTILIZING PHOTOCELL AND TIMECLOCK INPUTS.

E. FLAGPOLE FLOOD LIGHTS WILL BE PROVIDED, NOT SHOWN HEREIN.

KEYNOTES

1. WALL MOUNT FIXTURES TYPE JL AT 2'-6" ABOVE FLOOR WITH LENS AIMED AT CAR. TYPICAL.



DIMENSIONS
A = 1'-6" DIA.
B = 6'-0"
C = 2'-6"

DETAIL NOTES

A. AT CONTRACTOR'S OPTION, CONTRACTOR MAY USE A CURVED LID J-BOX RECESSED IN THE POLE BASE FOR ROUTING MULTIPLE CONDUITS TO/FROM A POLE. OTHERWISE STUBB CONDUITS OUT THE TOP OF THE CONCRETE BASE WITHIN THE POLE DIAMETER.

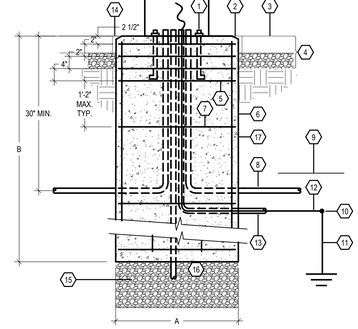
B. WHEN USED, JUNCTION BOXED SHALL FACE OPPOSITE TRAFFIC AND SNOW PLOWING.

C. PROVIDE A SPARE CONDUIT STUB AT EACH END-OF-LINE FIXTURE. SEE PLANS FOR ADDITIONAL SPARE STUBS.

D. PROVIDE A BUSHING ON ALL EXPOSED CONDUIT ENDS.

KEYNOTES

1. USE ANCHOR BOLTS FURNISHED BY POLE MANUFACTURER. VERIFY BOLT CIRCLE DIAMETER WITH MANUFACTURER. APPLY "ANTI-SEIZE" LUBRICANT TO ALL ANCHOR BOLT THREADS. UTILIZE LOCK WASHERS.
2. #10 GROUND PER CONDUIT - ATTACH TO GROUND LUG ON POLE.
3. 1" CHAMFER
4. #3 TIES AT 0-10" O.C.
5. (8) #5 VERTICAL BARS
6. GRADE
7. NON-METALLIC CONDUIT 1" MINIMUM
8. PROVIDE AIR ENTRAINED CONCRETE WITH AT LEAST A 3000 PSI RATING AND 3/4" AGGREGATE.
9. ALL REINFORCING BARS TO BE ASTM A615 (60 KSI) AND EPOXY COATED.
10. PROVIDE A SMOOTH RUBBED FINISH ON EXPOSED CONCRETE ASSOCIATED WITH THE CONCRETE BASE. FINISH SHALL BE PER ACI 301-89, PARAGRAPH 10.31. PROVIDE TOP WITH BRUSHED FINISH.
11. PROVIDE ERICO EK16 DIRECT BURY CLAMP (OR EQUAL) AT TOP OF REBAR CAGE. PROVIDE 23' OF #6 BARE COPPER STRANDED GROUNDING ELECTRODE CONDUCTOR. EXTEND CONDUCTOR OUT THE TOP OF POLE BASE TO GROUND LUG. SPIRAL 10' MINIMUM OF CONDUCTOR AROUND OUTSIDE OF REBAR CAGE. LOOP REMAINING CONDUCTOR AROUND REBAR CAGE AT BOTTOM OF POLE BASE IN CONTACT WITH EARTH.



DIMENSIONS	
A = 10"	DIAMETER
B = 48"	
C = 8"	TALL NECK
D = 2 1/4"	SHOULDERS

KEYNOTES

1. ANCHOR BOLTS PER POLE MFGR. MIN LENGTH OF 12"
2. 10"X 5.5" RECTANGULAR BOLLARD BASE. 8" TALL NECK FORMED ON TOP OF 10" DIAMETER SONATUBE BASE. GENERAL CONTRACTOR TO COORDINATE CONCRETE WORK, ELECTRICAL ROUGH-IN, AND REBAR TO ALIGN WITH PAVERS, PLANTERS, AND OTHER SITEWORK.
3. GRADE OR CONCRETE FILL (WHEN FLUSH IN PLAZA)
4. PARKING LOT OR SIDEWALK BY OTHERS.
5. #3 TIES
6. ROUND CONCRETE POLE BASE
7. #7 VERTICAL BARS
8. SCHEDULE 40 PVC PER DRAWINGS
9. WARNING TAPE
10. PROVIDE CONDUCTOR TO ROD CONNECTION UTILIZING CADWELD PROCESS.
11. 3/4" COPPER GROUND ROD. INSTALL AT BOTTOM OF TRENCH.
12. #10 COPPER BARE
13. 3/4" SCHEDULE 40 PVC CONDUIT
14. EXPANSION MATERIAL BY OTHERS - ADJUST ACCORDINGLY PENDING MATERIAL BASE IS RECESSED IN.
15. 12" DEEP CRUSHED ROCK
16. DRAIN CONDUIT 2" SCHEDULE 40 PVC.
17. PROVIDE AIR ENTRAINED CONCRETE WITH AT LEAST A 4000 PSI RATING AND 3/4" AGGREGATE.

3 POLE BASE DETAIL
NOT TO SCALE

4 BOLLARD BASE DETAIL
NOT TO SCALE

Luminaire Schedule

Tag	Symbol	Qty	Label	Description	LLF	Luminaire Lumens	Luminaire Watts
P2.1 - POLE 1		1	AR13-48N-MV-NW-2-XX-040-BLS S	LIGHT POLE HEAD: LED, 3000K, TYPE 2, B1-U0-G2, INTEGRAL CONTROLS. 1 HEAD POLE MOUNT. HOUSE SIDE SHIELD	1.000	2576	29
OL		22	VSPL-PYC-LED-80-500-30-4FT	RECESSED LINEAR: VERT. & HORIZ. MOUNT; LAMBERTIAN DISTRIBUTION. ADJUSTED TO 250 LUMENS/FT.	0.500	2000	16.69
OB		6	BOLLARD_84061_BEGA_IES	3FT TALL BOLLARD, LED, 3000K, TYPE S DISTRIBUTION, B1-U0-G1	1.000	1374	23
OD		6	STEP_33053_BEGA_IES	RECESSED STEPLIGHT: ASYM DIRECT DISTRIBUTION.	1.000	231	6
P4-POLE2		2	AR13-48N-MV-WW-040	LIGHT POLE HEAD: LED, 3000K, TYPE 4, B1-U0-G2, INTEGRAL CONTROLS. 2 HEAD POLE @180 DEG MOUNT	1.000	4035	29
P2-POLE1		4	AR13-48N-MV-WW-040S	LIGHT POLE HEAD: LED, 3000K, TYPE 2, B1-U0-G2, INTEGRAL CONTROLS. 1 HEAD POLE MOUNT	1.000	3973	29
P4-POLE1		6	AR13-48N-MV-WW-040 S	LIGHT POLE HEAD: LED, 3000K, TYPE 4, B1-U0-G2, INTEGRAL CONTROLS. 1 HEAD POLE MOUNT	1.000	4035	29
OE		14	GWC-SA1A-735-U-T4FT	WALLPACK: LED, 3000K, TYPE 4 DIST.	1.000	4705	34

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W66N215 COMMERCE COURT
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NO	DATE	DESCRIPTION
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FITCHBURG POLICE SERVICES FACILITY
CITY OF FITCHBURG
5520 LACY ROAD, FITCHBURG, WI 53711

100% DESIGN DEVELOPMENT

SITE LIGHTING PLAN

SHEET NO.
E9.20

JOB NO. 23-3772.01

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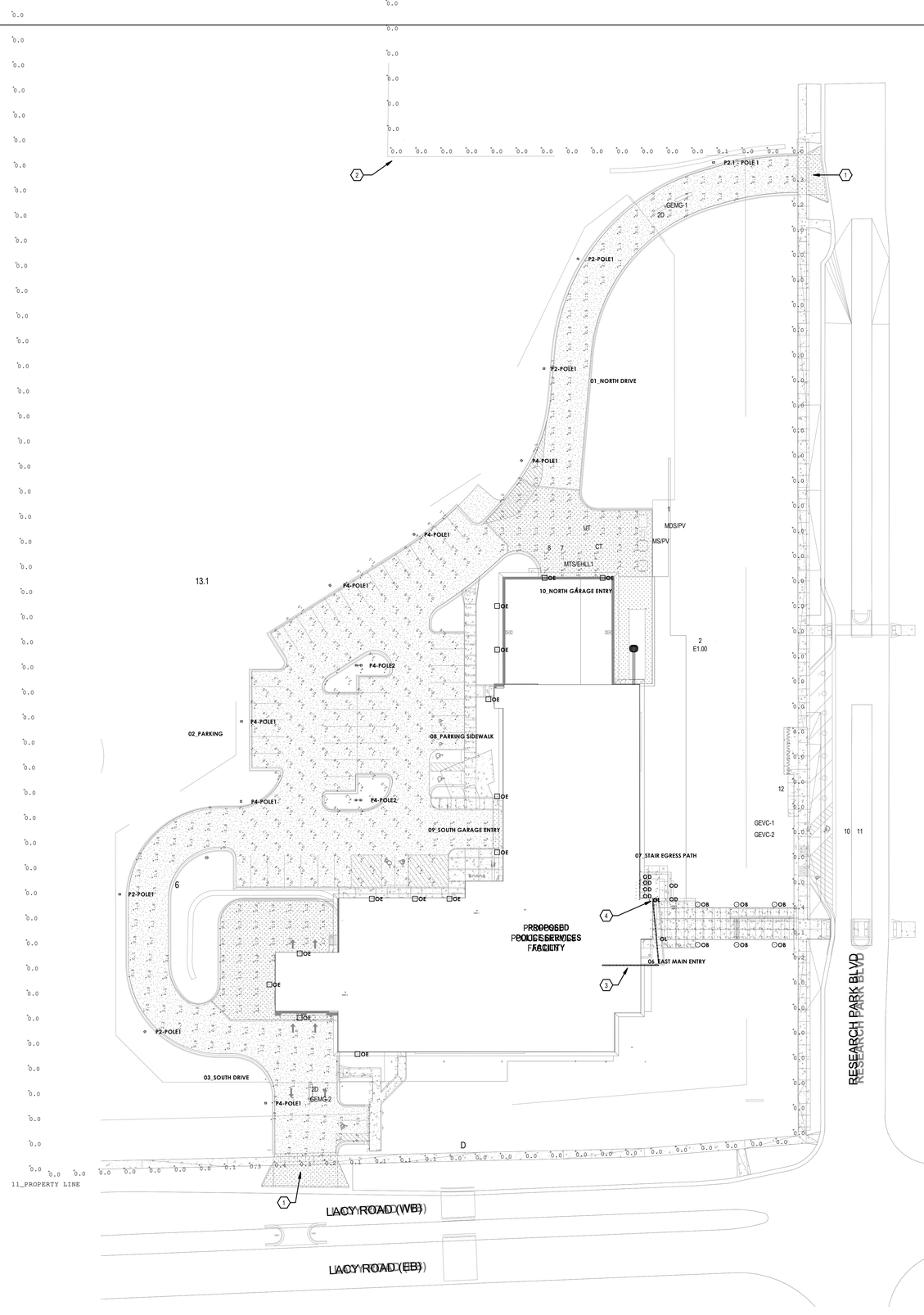

1 SITE LIGHTING PHOTOMETRICS PLAN

1" = 30'-0"

SHEET NOTES

A. THE RESULTS OF THIS STUDY ARE TO BE VIEWED ONLY AS AN INDICATION OF POSSIBLE PERFORMANCE, DUE TO VARIATIONS IN LED BOARDS, DRIVERS, MANUFACTURING, LINE VOLTAGE AND SITE CONDITIONS, A GUARANTEED LEVEL OF PERFORMANCE IS NOT POSSIBLE AND IS NOT REPRESENTED BY THE ANALYSIS.

B. ALL FIXTURES SHOWN ON SHEET E9.20 ARE INCLUDED IN SITE CALCULATIONS UNLESS OTHERWISE NOTED. REFER TO SHEET E9.20 FOR SITE POLE MOUNTING HEIGHT AND WALL MOUNTED FIXTURE HEIGHTS.

C. CALCULATION IS MODELED WITHOUT USING A LIGHT LOSS FACTOR TO INDICATE INITIAL ILLUMINANCE AS REQUIRED IN MUNICIPAL CODE.

KEYNOTES

1. SUGGEST TO INCREASE LIGHTING AT DRIVE ENTRIES FOR BETTER WAYFINDING. HOWEVER, PROPERTY LINE MAY EXCEED 0.5 FOOTCANDLES. ADVISE IF PERMISSABLE.
2. PROPERTY LINE GOES BEYOND REGION OF SHEET.
3. HORIZTONAL RECESSED LINEAR AT CLERESTORY ROOFLINE FOLLOWS EDGE OF STRUCTURE ALONG EAST AND SOUTH SIDE OF ROOF.
4. TRANSITION TO VERTICAL RECESSED VERSION OCCURS HERE AND CONTINUES DOWN WALL TO 1FT ABOVE GRADE.

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
01_NORTH DRIVE	Illuminance	Fc	1.20	3.2	0.3	4.00	10.67
02_PARKING	Illuminance	Fc	1.38	6.4	0.4	3.45	16.00
03_SOUTH DRIVE	Illuminance	Fc	1.23	4.2	0.2	6.15	21.00
04_SALLY PORT	Illuminance	Fc	1.56	3.4	0.2	7.80	17.00
05_SOUTH SIDEWALK	Illuminance	Fc	1.37	3.3	0.1	13.70	33.00
06_EAST MAIN ENTRY	Illuminance	Fc	2.46	8.0	0.1	24.60	80.00
07_STAIR EGRESS PATH	Illuminance	Fc	3.96	15.6	0.6	6.60	26.00
08_PARKING SIDEWALK	Illuminance	Fc	1.59	3.6	0.4	3.98	9.00
09_SOUTH GARAGE ENTRY	Illuminance	Fc	1.91	2.9	0.9	2.12	3.22
10_NORTH GARAGE ENTRY	Illuminance	Fc	3.20	4.0	2.4	1.33	1.67
11_PROPERTY LINE	Illuminance	Fc	0.02	0.4	0.0	N.A.	N.A.
EXTERIOR STAIR EGRESS LANDING_Top_1	Illuminance	Fc	12.98	150.5	0.0	N.A.	N.A.
EXTERIOR STAIR EGRESS TREADS_Side_2	Illuminance	Fc	10.48	33.7	2.0	5.24	16.85

fgma

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CITY OF FITCHBURG
5520 LACY ROAD, FITCHBURG, WI 53711

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SITE LIGHTING PHOTOMETRICS PLAN

SHEET NO.
E9.21

JOB NO. 23-3772.01

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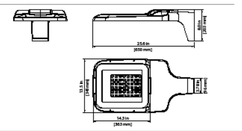
LEOTEK

Project
Type
Catalog No.

ARIETA® 13 Architectural LED Area Luminaire
AR13 N-Series Specification Data Sheet

Luminaire Data

Weight 15.4 lbs [7 kg]
EPA 0.47 ft²



Ordering Information
Sample Catalog No. AR13 48N MV NW S BK 180 MSL3

Product	LED Code	Voltage	Nominal Color Temperature	Distribution	Finish[1]	Output Code [2]	Options
AR13	48N	MV 120-277V HV 347-480V	WW 3000K NW 4000K CW 5000K	2 Type 2 3 Type 3 4 Type 4 5 Type 5 AFR Auto Front Row	BK Black DB Dark Bronze (RAL9005) DB1 Dark Bronze (RAL8019) WH White GY Grey NA Natural Aluminum	WW - 3000K 030 040 055 080 100 120 150 170 190 NW - 4000K CW - 5000K 030 040 060 080 100 120 160 190 200	BLS[3] Back Light Shield (Factory Installed) FOC[4] Fixed Output Code PCR[5] NEMA Photocontrol Receptacle PCR7[6] ANSI 7-wire Photocontrol Receptacle PCR7-CB[6] Control Ready 7-wire Photocontrol Receptacle MSL3[7] Motion Sensor with L7 Lens MSL5[7] Motion Sensor with L3 Lens SP2 20kV/10kA Surge Protector PND1[8] Part-Night Dimming PND2[8] Part-Night Dimming PND3[9] Part-Night Dimming ORR Optics Rotated Right ORL Optics Rotated Left WL Utility Wattage Label CF[10] Coastal Paint Finish

Accessories*	
BLS	Enhanced Back Light Shield
RRW	Round Pole Adapter
PTS1'	Square Pole Top Fitter Single
PTF2'	Square Pole Top Fitter Twin at 180°
PTF4'	Square Pole Top Fitter Quad
WMF	Wall Mount
BSK	Bird Deterrent Spider Kit
LLPC[11]	Long-Life Twist Lock Photocontrol
SC	Twist Lock Shorting Cap
FSIR100	Motion Sensor Configuration Tool

*Accessories are ordered separately and not to be included in the catalog number

1. Black, Dark Bronze, White, Grey, or Natural Aluminum standard. DB (RAL6022) is our original dark bronze. DB1 (RAL8019) is a new dark bronze option. Consult factory for other finishes. See page 2 for specifications.
2. Specified output code set at the factory set. Includes fixture mounted output selector that enables field adjustable light levels.
3. Flush mounted enhanced back light shield, factory installed.
4. No field adjustable output. Specified output code set at the factory.
5. Includes output selector that enables field adjustability of light levels. Field changeable connectors included to enable dimming connection to PCR7 (wireless node dimming is disabled by default).
6. Control-ready wired at factory for wireless node dimming. Output selector not included in fixture. Not able to adjust above specified drive current.
7. See L7 or L3 Lens coverage details on page 4. Consult factory for MS specified with ANSI 7-wire Photocontrol Receptacle. PCR option is required for On/Off control using light detection. Not available in HV.
8. For PND profile options see page 5. Only available with MV (120-277V).
9. Specify Color (BY, DB, DB1, BK, WH, NA).
10. Specify MV (120-277V) or HV (347V-480V)
11. Specify the CF Option for coastal installation. See warranty for details.

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LEOTEK

ARIETA® 13 Architectural LED Area Luminaire
AR13 N-Series Specification Data Sheet

BUG Ratings: 3000K (30K)
All data nominal. IES files for 64 CCTs are available at www.leotek.com.

Product & LED Code	Output code	Type 2 BUG Rating	Type 3 BUG Rating	Type 4 BUG Rating	Type 5 BUG Rating	Auto Front Row BUG Rating
AR13 48N	030	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G0	B1-U0-G1
	040	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1	B1-U0-G1
	055	B1-U0-G1	B1-U0-G1	B2-U0-G1	B3-U0-G1	B2-U0-G1
	080	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G1	B2-U0-G2
AR13 48N	100	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B2-U0-G2
	120	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G2	B3-U0-G2
	150	B3-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G2	B3-U0-G3
	170	B3-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G2	B3-U0-G3
	190	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2	B3-U0-G3

BUG Ratings: 4000K (40K) and 5000K (50K)
All data nominal. IES files are available at leotek.com.

Product & LED Code	Output code	Type 2 BUG Rating	Type 3 BUG Rating	Type 4 BUG Rating	Type 5 BUG Rating	Auto Front Row BUG Rating
AR13 48N	030	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1	B1-U0-G1
	040	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1	B1-U0-G1
	060	B1-U0-G1	B1-U0-G1	B2-U0-G1	B3-U0-G1	B1-U0-G1
	080	B2-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G1	B2-U0-G2
AR13 48N	100	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B2-U0-G2
	120	B3-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G2	B2-U0-G2
	160	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2	B3-U0-G3
	190	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2	B3-U0-G3
	200	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2	B3-U0-G3

Notes:
1. Nominal tolerance ± 10% due to factors including distribution type, LED bin variance, driver variance, and ambient temperatures.
2 Performance codes available in two ranges for adjustable output as shown in preformance data tables. Output set at factory to specified performance code.

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POLES TYPE P2.1, P2, & P4

BEGA

Photometric Filename: 84061.ies

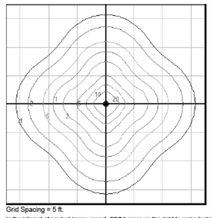
TEST: BE_84061
TEST LAB: BEGA
DATE: 4/242017
LUMINAIRE: 84 061
LAMP: 19.4W LED

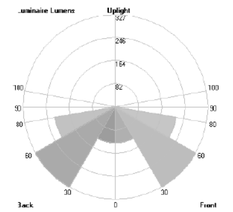
Characteristics

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1374
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	23
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	412.3 (60H, 20V)
Max. Cd. (<90 Vert.)	412.3 (60H, 20V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	114.5 (8.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	127.7	N.A.	9.3
FM (30-60)	327.3	N.A.	23.8
FH (60-80)	217.8	N.A.	15.9
FVH(80-90)	14.2	N.A.	1.0
BL (0-30)	127.7	N.A.	9.3
BM (30-60)	327.3	N.A.	23.8
BH (60-80)	217.8	N.A.	15.9
BVH(80-90)	14.2	N.A.	1.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1374.0	N.A.	100.0
BUG Rating	B1-U0-G1		





Grid Spacing = 5 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

TYPE OB

BEGA

Photometric Filename: 33053.IES

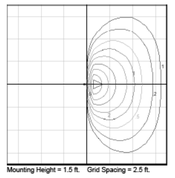
TEST: 33053
TEST LAB: BEGA
DATE: 8/4/2015
LUMINAIRE: 33 053
LAMP: 4.1W LED

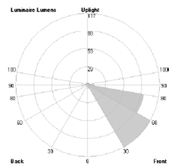
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	231
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	38
Total Luminaire Watts	6
Ballast Factor	1.00
Upward Waste Light Ratio	0.02
Max. Cd.	184.8 (0H, 45V)
Max. Cd. (<90 Vert.)	184.8 (0H, 45V)
Max. Cd. (At 90 Deg. Vert.)	10.4 (4.5%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	61.9 (26.8%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	6.5	N.A.	2.8
FM (30-60)	117.4	N.A.	50.9
FH (60-80)	92.1	N.A.	39.9
FVH(80-90)	10.2	N.A.	4.4
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	0.1	N.A.	0.0
BH (60-80)	0.1	N.A.	0.0
BVH(80-90)	< 0.05	N.A.	0.0
UL (90-100)	2.4	N.A.	1.1
UH (100-180)	2.1	N.A.	0.9
Total	230.9	N.A.	100.0
BUG Rating	B0-U1-G1		





Mounting Height = 1.5 ft. Grid Spacing = 2.5 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

TYPE OD

Project		Catalog #		Type	
Prepared by		Notes		Date	

Streetworks
GAW Galleon Wall

Wall Mount Luminaire

Product Features

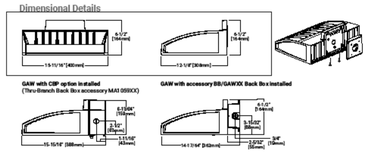
Interactive Menu
- Ordering Information page 2
- Product Specifications page 2
- Optical Distributions page 3
- Energy and Performance Data page 4
- Control Options page 5

Product Certifications

Quick Facts
- Choice of thirteen high-efficiency, patented AccuLED Optics
- Downward and inverted wall mounting configurations
- Eight lumen packages from 3,215 up to 17,056
- Efficacies up to 154 lumens per watt

Connected Systems
- WaveLinx PRO Wireless
- WaveLinx LITE Wireless
- Enlighted

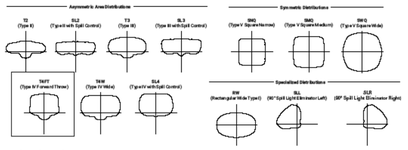
Dimensional Details



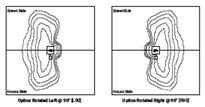
NOTES:
1. For additional details and options, see page 2.
2. Not compatible with WaveLinx PRO.

Streetworks GAW Galleon Wall

Optical Distributions



Optic Orientation



Energy and Performance Data

Lumen Multiplier

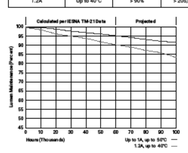
Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

FADC Settings

FADC Position	Percent of Typical Lumen Output
1	25%
2	46%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Lumen Maintenance

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	> 416,000
1.2A	Up to 40°C	> 90%	> 206,000

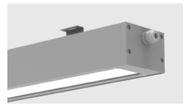


TYPE OE

VIA SPLASH
RECESSED
DIRECT
STATIC WHITE

LUMENWERX

Project:
Type:



DESCRIPTION
Via Splash, with its IP66 rating, offers architectural lighting for demanding, wet locations in both exterior and interior applications. The simple 3¼" by 5" housing of extruded aluminum is available in lengths up to 12' in addition to recessed mounting, Via Splash can be installed in ceiling, wall, or pendant applications. Via Splash is suitable for temperatures from -20°C/-4°F to 40°C/104°F.

IC RATED IK10 IP66 Water & Dust

Up to 121 lm/W performance

Order Guide

LUMINAIRE ID	DISTRIBUTION	PROTECTIVE OPTIC	OPTIC	LIGHT SOURCE	CRI	LUMEN PACKAGE
VSPLR	D			SW		
VSPLR - Via Splash Recessed	D - Direct	THG - Tempered Clear Glass SYC* - Clear Polycarbonate *IK10 rated with PYC option only.	HLO - High-Efficiency Lumenwerx Optic THO - Precision Micro-Prism Optic	SW - Static white	80CRI - 80 CRI 90CRI - 90 CRI	500LMF - Low-output 500 lm/ft 750LMF - Medium-output 750 lm/ft 1000LMF - High-output 1000 lm/ft

CUSTOM 250 LMF

COLOR TEMP.	LUMINAIRE LENGTH	VOLTAGE	DRIVER [1]	ELECTRICAL
27K - 2700K 30K - 3000K 40K - 4000K 50K - 5000K	#ET - Specify nominal length (#) in 1 foot increments Standard nominal lengths: Single units: 2' to 12' Continuous runs: lengths over 12'	120V - 120V 277V - 277V UNV - 120V-277V 347V* - 347V *Only available with DI driver.	DI - 1%-0.10V DA - DALI LTDIM* - Low-temperature 1%-0.10V *Not Power over Ethernet) compatible. Consult factory for details. •On-site commissioning is required. •Suitable for temperatures down to -40°(F).	1C - 1 circuit #mC * - Multi-circuit EC - Emergency-powered fixture NL - Night light fixture DL - Daylight fixture GTD **,*** - Generator transfer device fixture *Specify total number of circuits (#), including any circuits required for electrical section options. Provide drawing or layout specifications. ** Minimum of 4 fixtures per circuit. *** Not available with 347V. **** Not available in environments where the ambient temperature falls below 0°C (32°F).

ELECTRICAL SECTIONS (optional) [2,3]	POWER FEED	MOUNTING	FINISH	OPTION
		MTL		
#ECnn * - Emergency-powered section #NLnn * - Night light section #DLnn * - Daylight section #GTDnn ** *** - Generator transfer device section NA - None *Specify with multi-circuit (#mC) electrical option only. Specify total number of circuits (#) and section length in inches (nn). Refer to Ordering Information for other configurations. Default section length is 4'. **Specify quantity (#), and section length in inches (nn). **Minimum 4' section. ***Not available with 347V. ****Not available in environments where the ambient temperature falls below 0°C (32°F).	TE - Top feed EF - End feed	MTL - Trimless	W - Matte white CSA - Custom finish, specify SKU#	NATA - Naturalmm finish NA - None

PROUDLY Imported

3777 Cote Vertu St-Laurent, Quebec, Canada H4R 2C9
T (514) 225-4304 F (514) 681-4862
www.lumenwerx.com
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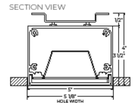
VIASPLASH-RECESSED-SPEC-REV1 February 15, 2023

VIA SPLASH
RECESSED
DIRECT
STATIC WHITE

LUMENWERX

SECTION VIEW



OPTIC AND PROTECTIVE OPTIC

THG + HLO - Tempered Clear Glass with High-efficiency Lumberlain Optic

Photometrics

Values calculated based on a 4 ft fixture at 35K and 80 CRI, and apply to all optics and protective optics.

LM/FT	W/FT	LPW
500	4.1	121
750	6.3	120
1000	8.6	116

MULTIPLIER TABLE
Use the table to get results for different color temperatures and CRI for all photometric tables.

Multiplier - CCT/CRI

CCT (K)	WATTS		LPW	
	CRI 80	CRI 90	CRI 80	CRI 90
2700	105	127	0.95	0.79
3000	102	123	0.98	0.81
3500	100	119	1.00	0.84
4000	100	119	1.00	0.84
5000	0.96	1.12	1.04	0.89

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CITY OF FITCHBURG
5520 LACY ROAD, FITCHBURG, WI 53711

100% DESIGN DEVELOPMENT

SITE LIGHTING_FIXTURE CUTSHEETS

SHEET NO.
E9.22

JOB NO. 23-3772.01
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PROJECT:

FITCHBURG POLICE SERVICES FACILITY

5550 RESEARCH PARK DRIVE, FITCHBURG, WI 53711

OWNER:

CITY OF FITCHBURG

5520 LACY ROAD, FITCHBURG, WI 53711

ISSUANCE:

100% DESIGN DEVELOPMENT

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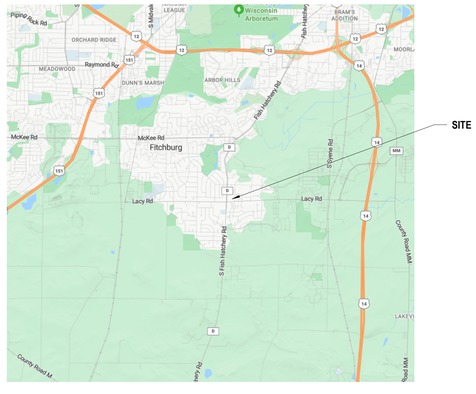
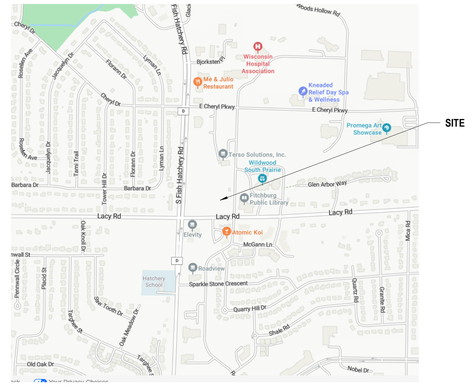


1 VICINITY MAP
NOT TO SCALE



2 LOCATION MAP
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1	01/10/2025	50% DESIGN DEVELOPMENT
2	02/28/2025	100% DESIGN DEVELOPMENT

FITCHBURG POLICE SERVICES FACILITY
CITY OF FITCHBURG
5550 RESEARCH PARK DRIVE, FITCHBURG, WI 53711

100% DESIGN DEVELOPMENT

COVER SHEET

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ENTRY PLAZA WITH PROPOSED LANDSCAPING

BIRDSEYE VIEW FROM LACY & RESEARCH PARK DR.

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VIEW FROM SOUTHEAST CORNER

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VIEW FROM SOUTHEAST

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EAST ELEVATION

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EAST ELEVATION

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ENTRY PLAZA

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EAST ELEVATION

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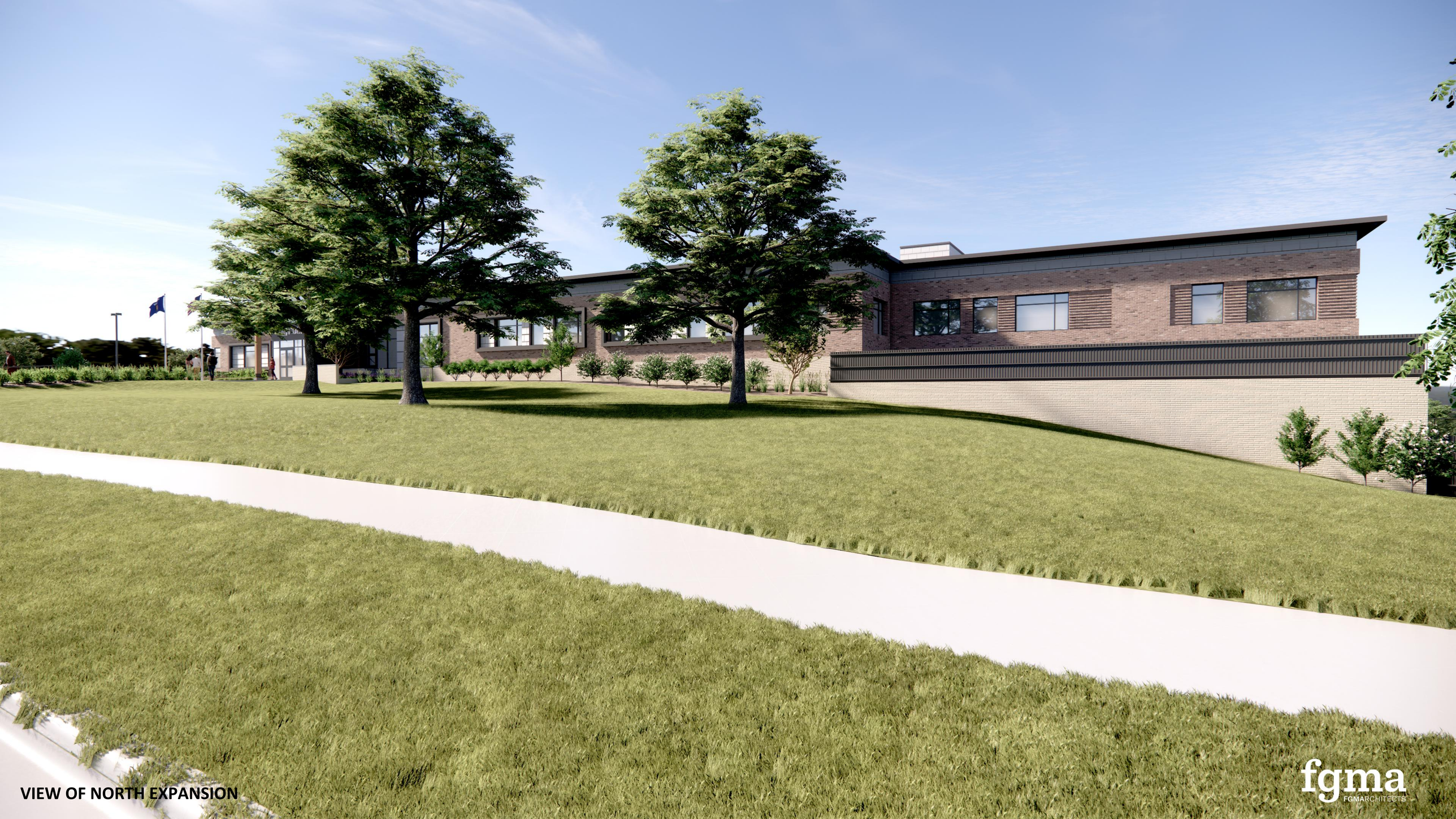
EAST ELEVATION



VIEW OF NORTH EXPANSION

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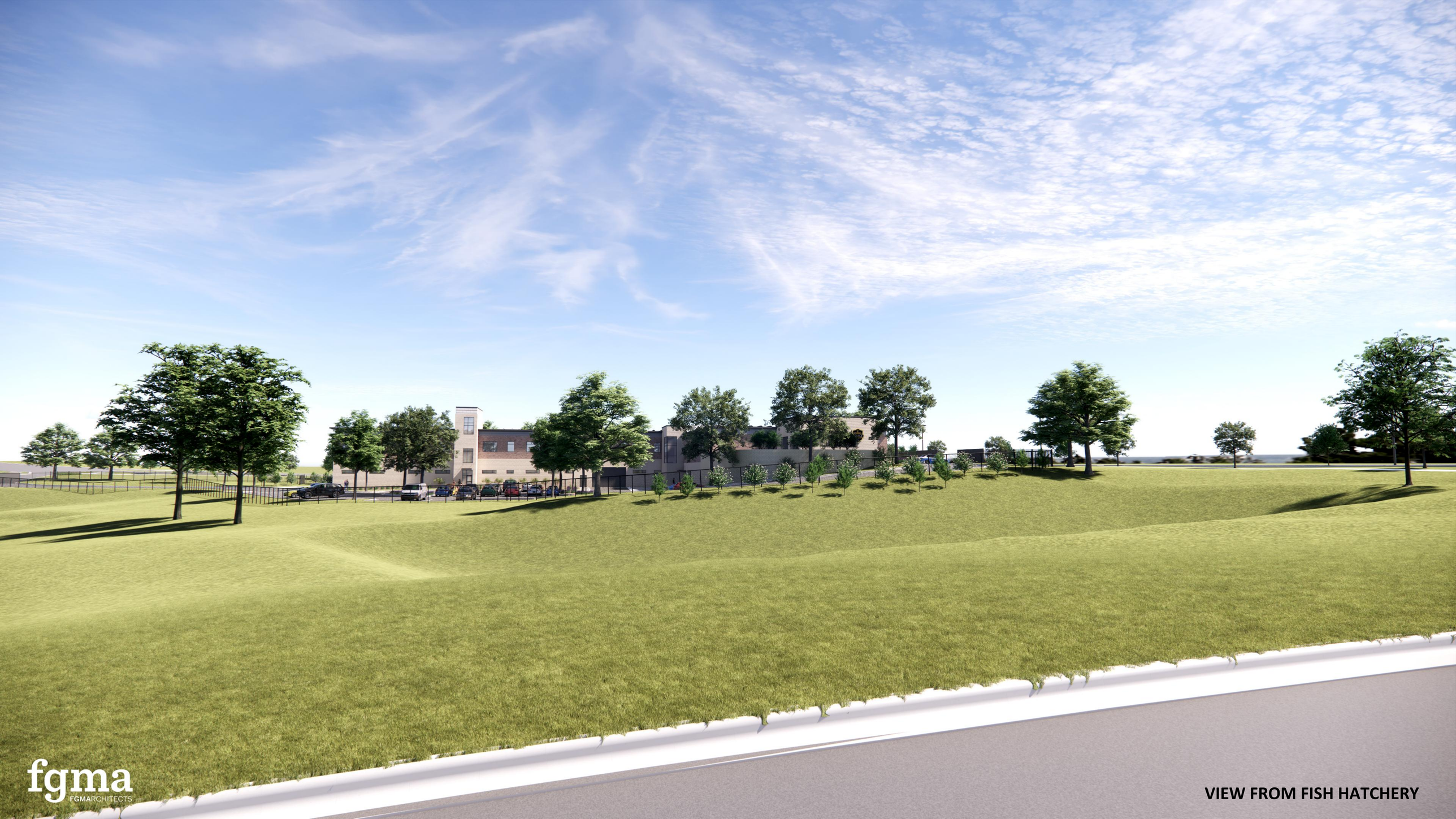

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VIEW FROM FISH HATCHERY

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WEST ELEVATION AND STAFF PARKING

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VIEW FROM NORTHWEST

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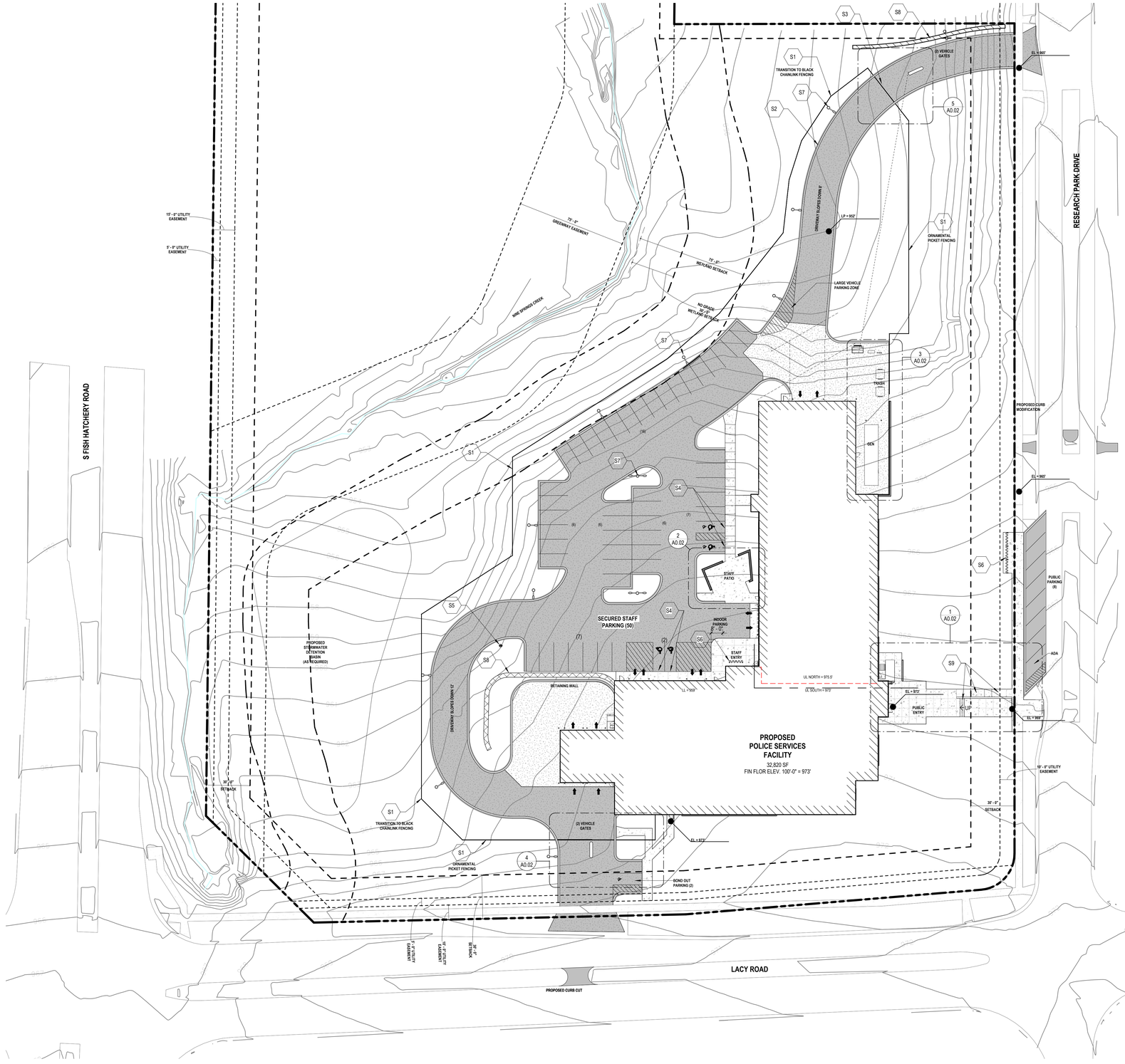
VIEW OF NORTH EXPANSION FROM WEST

GENERAL SITE PLAN NOTES

1. REFER TO CIVIL AND LANDSCAPE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. EXPOSED FERROUS METALS ARE TO BE PAINTED, U.N.O.
3. PROVIDE GALVANIC SEPARATION BETWEEN DIFFERENT METAL TYPES, TYP.
4. NOTE ANY DISCREPANCIES BETWEEN CIVIL AND ARCHITECTURAL DRAWINGS WITH
5. REGARDS TO SCORING PATTERNS AND CONTROL JOINTS IN PAVING AND CONCRETE FLATWORK AND NOTIFY ARCHITECT PRIOR TO PROCEEDING.
6. COORDINATE SITE LIGHTING WITH ELECTRICAL DRAWINGS.
7. SEE LANDSCAPE DRAWINGS FOR TREE AND PLANTING LOCATIONS.
8. GENERAL CONTRACTOR IS RESPONSIBLE FOR CONTRACTOR PARKING ON OR OFF SITE.
9. CONTRACTOR STAGING WILL BE ALLOWED INSIDE THE CONSTRUCTION FENCE AREA. IF ADDITIONAL AREAS ARE REQUIRED, GENERAL CONTRACTOR IS REQUIRED TO OBTAIN PERMISSION FOR USE FROM OWNER.

SITE PLAN KEYED NOTES	
TAG	DESCRIPTION
S1	SITE PERIMETER FENCE, 7'-4" HIGH, TYP.
S2	CURB AND GUTTER, SEE 'C' SERIES FOR MORE INFO
S3	3'-0" WIDE X 7'-0" HIGH CHAIN LINK FENCE SWING GATE WITH LOCKING HARDWARE
S4	ACCESSIBLE PARKING SIGNAGE, REFER TO CIVIL DRAWINGS FOR INFORMATION
S5	FIRE HYDRANT, REFER TO CIVIL DRAWINGS FOR INFORMATION
S6	BIKE RACK: BASIS OF DESIGN LANDSCAPE FORMS, EMERSON BIKE RACK, POWDERCOAT METAL METALLIC FINISH, COLOR TO BE SELECTED BY ARCHITECT FROM COMPLETE RANGE.
S7	LIGHT POLE, SEE 'C' AND 'E' SERIES FOR MORE INFO
S8	RETAINING WALL SYSTEM, SEE 'C' AND 'S' SERIES FOR MORE INFO
S9	CONCRETE STAIR AND RAMP, SEE DETAILS FOR MORE INFO



SITE PLAN LEGEND

PROPERTY LINE	EL = XXX'	ELEVATION
SETBACK LINE	HP = XXX'	HIGH POINT (ELEVATION)
EASEMENT LINE	LP = XXX'	LOW POINT (ELEVATION)
CONTOUR LINE		

RETAINING WALL, SEE CIVIL AND STRUCTURE

BUILDING FOOTPRINT

CONCRETE, REFER TO CIVIL DRAWING

HEAVY DUTY CONCRETE, REFER TO CIVIL DRAWING

1 OVERALL ARCHITECTURAL SITE PLAN

1" = 30'-0"

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FITCHBURG POLICE SERVICES FACILITY
CITY OF FITCHBURG
5550 RESEARCH PARK DRIVE, FITCHBURG, WI 53711

100% DESIGN DEVELOPMENT

ARCHITECTURAL SITE PLAN

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OCCUPANCY SCHEDULE_VERSION 4

ROOM NO.	ROOM NAME	ROOM NET AREA (S.F.)	ROOM AREA REDUCTION (S.F.)	ROOM OCCUPIABLE NET AREA (S.F.)	ROOM OCCUPANCY			ROOM OCCUPANT LOAD (CALCULATED)
					OCCUPANCY TYPE	SF TYPE	SF PER PERSON	
Not Placed								
172	DISPATCH BREAK	Not Placed	0 SF		B - BUSINESS	GROSS	100	
LOWER LEVEL								
001	VEST	113 SF	0 SF	113	UNOCCUPIED SPACES	GROSS	0	
002	LOBBY	1003 SF	0 SF	1003	UNOCCUPIED SPACES	GROSS	0	
002A	CLOSET	37 SF	0 SF	37	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
003	DUTY BAGS	261 SF	0 SF	261	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
004	SRT LOCKERS	223 SF	0 SF	223	LOCKER ROOMS	GROSS	50	5
005	BAG & TAG	436 SF	0 SF	436	B - BUSINESS	GROSS	100	5
006	VEHICLE PROCESSING BAY	718 SF	0 SF	718	B - BUSINESS	GROSS	100	8
007	MECHANICAL	664 SF	0 SF	664	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	3
008	LARGE EVIDENCE TEMP. STOR.	395 SF	0 SF	395	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	2
009	LARGE EVIDENCE STORAGE	317 SF	0 SF	317	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	2
010	PROP. & EVID. PROCESS.	574 SF	0 SF	574	B - BUSINESS	GROSS	100	6
011	PIE TECHS	140 SF	0 SF	140	B - BUSINESS	GROSS	100	2
012	SUPPLIES	64 SF	0 SF	64	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
013	DRUGS	117 SF	0 SF	117	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
014	GENERAL EVIDENCE STORAGE	1420 SF	0 SF	1420	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	5
015	EVIDENCE LAB	244 SF	0 SF	244	B - BUSINESS	GROSS	100	3
016	MENS	218 SF	0 SF	218	UNOCCUPIED SPACES	GROSS	0	
017	MENS LOCKER	1032 SF	0 SF	1032	LOCKER ROOMS	GROSS	50	21
018	SHOWERS	92 SF	0 SF	92	UNOCCUPIED SPACES	GROSS	0	
019	FITNESS	1478 SF	0 SF	1478	EXERCISE ROOMS	GROSS	50	30
019A	STOR	44 SF	0 SF	44	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
020	WOMENS	199 SF	0 SF	199	UNOCCUPIED SPACES	GROSS	0	
021	WOMENS LOCKER	565 SF	0 SF	565	LOCKER ROOMS	GROSS	50	12
022	SHOWERS	78 SF	0 SF	78	UNOCCUPIED SPACES	GROSS	0	
023	JC	18 SF	0 SF	18	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
024	TLT	92 SF	0 SF	92	UNOCCUPIED SPACES	GROSS	0	
025	PARKING GARAGE (34)	13963 SF	0 SF	13963	S-2 ENCLOSED PARKING GARAGES	GROSS	200	70
026	LAUNDRY	96 SF	0 SF	96	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
027	ARMORY/GUN CLEANING	261 SF	0 SF	261	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
028	BUILDING STOR	389 SF	0 SF	389	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	2
029	STOR	445 SF	0 SF	445	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	2
030	FIRE RISER / WATER	332 SF	0 SF	332	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	2
031	MOTORS / BIKES / TOOLS / K-9	778 SF	0 SF	778	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	3
032	MECH	1109 SF	0 SF	1109	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	4
033	ELEC	105 SF	0 SF	105	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
034	ELEC	367 SF	0 SF	367	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	2
164	MECH	254 SF	0 SF	254	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
EL-001	ELEV	58 SF	0 SF	58	UNOCCUPIED SPACES	GROSS	0	
ST-001	STAIR B	220 SF	0 SF	220	UNOCCUPIED SPACES	GROSS	0	
ST-002	STAIR A	193 SF	0 SF	193	UNOCCUPIED SPACES	GROSS	0	
FIRST FLOOR								
100	VEST	82 SF	0 SF	82	UNOCCUPIED SPACES	GROSS	0	
101	PUBLIC LOBBY	1649 SF	0 SF	1649	UNOCCUPIED SPACES	GROSS	0	
102	TLT	79 SF	0 SF	79	UNOCCUPIED SPACES	GROSS	0	
103	TLT	79 SF	0 SF	79	UNOCCUPIED SPACES	GROSS	0	
104	SOCIAL WORK	213 SF	0 SF	213	B - BUSINESS	GROSS	100	3
105	SOFT INT	142 SF	0 SF	142	B - BUSINESS	GROSS	100	2
106	CITIZEN REPORT	122 SF	0 SF	122	B - BUSINESS	GROSS	100	2
107	JC	52 SF	0 SF	52	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
141	STAFF BREAK	1154 SF	110 SF	1044	ASSEMBLY - UNCONCENTRATED (TABLES & CHAIRS)	NET	15	70
142	WELLNESS	78 SF	0 SF	78	B - BUSINESS	GROSS	100	1
143	CSO OFFICE	214 SF	0 SF	214	B - BUSINESS	GROSS	100	3
144	STORAGE	77 SF	0 SF	77	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
145	SHARED MEETING	216 SF	0 SF	216	B - BUSINESS	GROSS	100	3
146	PATROL BRIEFING	1050 SF	0 SF	1050	B - BUSINESS	GROSS	100	11
147	MAIL & CHARGING	253 SF	0 SF	253	UNOCCUPIED SPACES	GROSS	0	
148	SALLYPORT	1238 SF	0 SF	1238	S-2 ENCLOSED PARKING GARAGES	GROSS	200	7
149	VEST	54 SF	0 SF	54	UNOCCUPIED SPACES	GROSS	0	
150	HOLDING	743 SF	0 SF	743	INSTITUTIONAL - INTAKE / HOLDING	GROSS	100	8
150A	DWI INTOXILYZER	165 SF	0 SF	165	INSTITUTIONAL - INTAKE / HOLDING	GROSS	100	2
151	CELL	56 SF	0 SF	56	INSTITUTIONAL - INTAKE / HOLDING	GROSS	100	1
152	CELL	56 SF	0 SF	56	INSTITUTIONAL - INTAKE / HOLDING	GROSS	100	1
153	CELL	56 SF	0 SF	56	INSTITUTIONAL - INTAKE / HOLDING	GROSS	100	1
154	CELL	58 SF	0 SF	58	INSTITUTIONAL - INTAKE / HOLDING	GROSS	100	1
155	B.O. VEST	60 SF	0 SF	60	UNOCCUPIED SPACES	GROSS	0	
156	TLT/ SHWR	82 SF	0 SF	82	UNOCCUPIED SPACES	GROSS	0	
157	JC	48 SF	0 SF	48	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
158	INTERVIEW	127 SF	0 SF	127	INSTITUTIONAL - INTAKE / HOLDING	GROSS	100	2
159	VEST	52 SF	0 SF	52	UNOCCUPIED SPACES	GROSS	0	
160	INTERVIEW	125 SF	0 SF	125	INSTITUTIONAL - INTAKE / HOLDING	GROSS	100	2
161	REPORT WRITING	763 SF	0 SF	763	B - BUSINESS	GROSS	100	8
162	FOCUS	50 SF	0 SF	50	B - BUSINESS	GROSS	100	1
163	FOCUS	50 SF	0 SF	50	B - BUSINESS	GROSS	100	1
164	FOCUS	50 SF	0 SF	50	B - BUSINESS	GROSS	100	1
165	FOCUS	50 SF	0 SF	50	B - BUSINESS	GROSS	100	1
166	LIEUTENANT	345 SF	0 SF	345	B - BUSINESS	GROSS	100	4
167	PATROL MEETING	253 SF	0 SF	253	B - BUSINESS	GROSS	100	3
168	SERGEANTS	1004 SF	0 SF	1004	B - BUSINESS	GROSS	100	11
169	OIC DESK	97 SF	0 SF	97	B - BUSINESS	GROSS	100	1
170	MEN	205 SF	0 SF	205	UNOCCUPIED SPACES	GROSS	0	
171	WOMEN	205 SF	0 SF	205	UNOCCUPIED SPACES	GROSS	0	
172	DISPATCH	752 SF	0 SF	752	B - BUSINESS	GROSS	100	8
173	TLT	56 SF	0 SF	56	UNOCCUPIED SPACES	GROSS	0	
174	WELLNESS	80 SF	0 SF	80	B - BUSINESS	GROSS	100	1
175	IT	256 SF	0 SF	256	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
176	RECORDS	808 SF	0 SF	808	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	3
177	BLDG SUPPLY / MAIL SORT	286 SF	0 SF	286	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
178	FILE STORAGE	308 SF	0 SF	308	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	2
179	RECORDS SUPER	223 SF	0 SF	223	B - BUSINESS	GROSS	100	3
C105	SECURE CORRIDOR	1769 SF	0 SF	1769	UNOCCUPIED SPACES	GROSS	0	
RAISED FIRST FLOOR								
108	MULTIPURPOSE ROOM	1215 SF	40 SF	1175	ASSEMBLY - UNCONCENTRATED (TABLES & CHAIRS)	NET	15	79
108A	STORAGE	232 SF	0 SF	232	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
109	FLEX SPACE	2771 SF	0 SF	2771	B - BUSINESS	GROSS	100	28
110	TLT	53 SF	0 SF	53	UNOCCUPIED SPACES	GROSS	0	
111	TLT	54 SF	0 SF	54	UNOCCUPIED SPACES	GROSS	0	
112	IT	31 SF	0 SF	31	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
113	FUTURE OFFICE	257 SF	0 SF	257	B - BUSINESS	GROSS	100	3
114	TLT	61 SF	0 SF	61	UNOCCUPIED SPACES	GROSS	0	
115	FUTURE OFFICE	257 SF	0 SF	257	B - BUSINESS	GROSS	100	3
116	ADMIN MEETING	446 SF	0 SF	446	B - BUSINESS	GROSS	100	5
117	ADMIN STOR	257 SF	0 SF	257	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
118	COPY	173 SF	0 SF	173	B - BUSINESS	GROSS	100	2
119	DEPUTY CHIEF	283 SF	0 SF	283	B - BUSINESS	GROSS	100	3
120	ADMIN SERV MNGR	205 SF	0 SF	205	B - BUSINESS	GROSS	100	3
121	POLICE CHIEF	254 SF	0 SF	254	B - BUSINESS	GROSS	100	3
122	CAPTAIN	250 SF	0 SF	250	B - BUSINESS	GROSS	100	3
123	CAPTAIN	250 SF	0 SF	250	B - BUSINESS	GROSS	100	3
124	FLEX SPACE	67 SF	0 SF	67	B - BUSINESS	GROSS	100	1
125	EXEC ASST	171 SF	0 SF	171	B - BUSINESS	GROSS	100	2
126	ELEC	77 SF	0 SF	77	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
127	MECH	237 SF	0 SF	237	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
128	CYBER CRIME	122 SF	0 SF	122	B - BUSINESS	GROSS	100	2
129	CRIME ANALYST	233 SF	0 SF	233	B - BUSINESS	GROSS	100	3
130	TLT	54 SF	0 SF	54	UNOCCUPIED SPACES	GROSS	0	
131	INV LT	237 SF	0 SF	237	B - BUSINESS	GROSS	100	3
132	STOR	54 SF	0 SF	54	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	GROSS	300	1
133	INV SERGEANT SUITE	221 SF	0 SF	221	B - BUSINESS	GROSS	100	3
134	SOCIAL WORKER	137 SF	0 SF	137	B - BUSINESS	GROSS	100	2
135	COPY	130 SF	0 SF	130	B - BUSINESS	GROSS	100	2
136	DETECTIVE SUITE	976 SF	0 SF	976	B - BUSINESS	GROSS	100	10
136A	ADMIN	199 SF	0 SF	199	B - BUSINESS	GROSS	100	2
137	COMMAND CENTER	334 SF	0 SF	334	B - BUSINESS	GROSS	100	4
138	HARD INT	147 SF	0 SF	147	B - BUSINESS	GROSS	100	2
139	TLT	53 SF	0 SF	53	UNOCCUPIED SPACES	GROSS	0	
140	SOFT INT	186 SF	0 SF	186	B - BUSINESS	GROSS	100	2
C100	SECURE CORRIDOR	1073 SF	0 SF	1073	UNOCCUPIED SPACES	GROSS	0	
C101	SECURE CORRIDOR	846 SF	0 SF	846	UNOCCUPIED SPACES	GROSS	0	
C102	SECURE CORRIDOR	512 SF	0 SF	512	UNOCCUPIED SPACES	GROSS	0	
C103	CORRIDOR	62 SF	0 SF	62	UNOCCUPIED SPACES	GROSS	0	
C104	INTERVIEW SUITE	147 SF	0 SF	147	UNOCCUPIED SPACES	GROSS	0	
NUMBER OF ROOMS: 130								551

Accessible spaces shall be provided with not less than one accessible means of egress

1016.2 **Egress through intervening spaces: Egress from a room or space shall not pass through adjoining or intervening rooms or areas, except where such adjoining rooms or areas are accessory to the area served; are not a high-hazard occupancy and provide a discernable path of egress travel to an exit.....**

Table 1017.1 **EXIT ACCESS TRAVEL DISTANCE**

300 feet Allowed — Group B Occupancy with Sprinkler System

Actual = 163'-8" maximum distance

Table 1006.3.3 **MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD**

1-500 occupants	2
501-1,000	3
more than 1,000	4
Total Building Occupants:	552
Total Exits Required:	3
Total Exits Provided:	3+ (VARIES PER FLOOR)

9. PLUMBING FIXTURE CALCULATIONS

	TOTAL	Male	Female
TOTAL BUILDING OCCUPANCY (Plumbing):	**552**	276	276

NOTE: PLUMBING OCCUPANCY TOTALS ARE CALCULATED BASED ON ACTUAL 'ESTIMATED' OCCUPANCY MINUS 'NON-SIMULTANEOUS USE ROOMS. UNISEX RESTROOM FIXTURES ARE SPLIT BETWEEN THE MALE OR FEMALE TOTALS.

Plumbing narrative states, "current staff assigned to this facility includes more men than women, so additional men's fixtures beyond code calculated minimum may be required for operational efficiency.

	Required	Provided
Water Closets, Male:	8	
Urinals:	Sub for <50% of WC	2
Lavs, Male:	7	
Water Closets, Female:	8	
Lavs, Female:	7	
Bathtubs or Showers:	1	7
Drinking Fountains:	6	
Service Sink	4	4

23-3772
Fitchburg Police Services Facility
Fitchburg, WI

CODE SUMMARY **12_06_2023**
UM Systems

BUILDING CODE REQUIREMENTS

City of Fitchburg, Department of Safety and Professional Services, Effective May 1, 2018
https://www.fitchburgwi.gov/2759/Adopted-Codes

1. APPLICABLE BUILDING CODES (WITH ANY LOCALLY ADOPED AMENDMENTS)

2015 INTERNATIONAL BUILDING CODE
WINSCONSIN STRUCTURAL CODES (2015IBC, ACI 318-2014, ACI 355.4-2011, AISC 341-2010, AISC 360-2010, AISI S100-2012)
2015 INTERNATIONAL ENERGY CONSERVATION CODE
2013 WISCONSIN COMMERCIAL ENERGY CODE (ASHRAE 90.1)
2015 INTERNATIONAL MECHANICAL CODE
2017 WISCONSIN ELECTRICAL CODE (NFPA 70, 2017)
2018 WISCONSIN UNIFORM PLUMBING CODE
2015 INTERNATIONAL FIRE CODE
2015 INTERNATIONAL FUEL GAS CODE
2013 14 STANDARD FOR THE INSTALLATION OF STANDPIPE, PRIVATE HYDRANTS AND HOSE SYSTEMS
2013 WISCONSIN FIRE ALARM CODE (NFPA 72, W/ AMENDMENTS)
2015 NFPA 54 FUEL AND GAS
2015 NFPA 45 Standard on Fire Protection for Laboratories Using Chemicals
2013 20 Standard for the Installation of Stationary Fire Pumps for Fire Protection
2013 14 Standard for the Installation of Standpipe, Private Hydrants and Hose Systems
2013 13 Installation of Fire Sprinkler Systems
2016 WINSONSIN ELEVATOR AND ESCALATOR CODE (ASME A17.1)
2009 WISCONSIN ACCESSIBILITY CODE (ANSI A117.1 2009)
2010 AMERICANS WITH DISABILITIES ACT
OSHA STANDARDS (1926 CONSTRUCTION, 1910 OCUPPATIONAL AND HEALTH, 1904 RECORDKEEPING)

2. OCCUPANCY GROUP CLASSIFICATION (MIXED USE NON-SEPARATED)

304.1	**B Group - Business**	Offices and support areas
408.1	**I-3, Detentioun**	Holding and associated areas
406.4	**S-2, Low-Hazard Storage, Parking Garages**	Public Parking Garage and Car Port, Storage Rooms, Closets etc.
508.2.3 & 508.2.4	**Allowable Building Area/Separartion of Occupancy**	The allowable area of the building shall be based on the applicable provisions of Section 506 for the main occupancy of the building. Aggregate accessory occupancies shall not occupy more than 10 percent of the floor area of the story in which they are located and shall not exceed the tabular values for nonsprinklered buildings in Table 506.2 for each such accessory occupancy. No separation is required between accessory occupancies and the main occupancy.
508.2.3	**Allowable Building Area**	The allowable area of the building shall be based on the applicable provisions of Section 506 for the main occupancy of the building. Aggregate accessory occupancies shall not occupy more than 10 percent of the floor area of the story in which they are located and shall not exceed the tabular values for nonsprinklered buildings in Table 506.2 for each such accessory occupancy.
508.3.1	**Non-Separated uses**	The most restrictive type of construction, so determined, shall apply to the entire building. All other code requirements shall apply to each portion of the building based on the use of that space except that the most restrictive applicable provisions of Chapter 9 shall apply to these non-separated uses. Fire separations are not required between accessory and non-separated uses, except as required by other provisions.
Table 509	**I-3, Detention 1hr separation -incidental use**	Group I-3 cells and Group I-2 patient rooms equipped with padded surfaces
Table 508.4	**Required Separation of Occupancies (Hours)**	Occupancies B, F-1, S-1 - Sprinkler or Non-Sprinkler (N) No Separation required. A-3 occupancy does not exceed 10% of primary occupancy, therefore a 1hr separation is required for this room.

3. CONSTRUCTION TYPE

602.2 **TYPE IIB (SPRINKLERED)**

4. ALLOWABLE HEIGHT AND AREA

	Occupancy:	B, I-3, S-2	MIXED USE NON SEPARATED	
Table 506.2	Allowable Area Per Floor (sf):	69000 SF	Group B Sprinkler (1) story	Primary Occupancy
Table 506.2	Allowable Area Per Floor (sf):	28500 SF	Group A3 Sprinkler (1) story	ACCESSORY
Table 506.2	Allowable Area Per Floor (sf):	31500 SF	Group I-3 Sprinkler (1) story	Secondary Occupancy
Table 506.2	Allowable Area Per Floor (sf):	78000 SF	Group S-2 Sprinkler (1) story	Secondary Occupancy
Table 504.3	Maximum height:	75 feet		
	Maximum # of stories above grade:	2		

5. ACTUAL HEIGHT AND AREA

Area Summary (s.f.)

Actual Number of Floors:	**1ABOVE GRADE, 1 LOWER LVEL**
Lower Level sf	**31,530**
First Floor sf	**32,854**
Total Area (gross sf)	**64,384**
Actual Height:	**45'-6"** As defined by height from Top of Foundation to Highest Wall

6. FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS

TABLE 601	**BLDG ELEMENT**	**RATING (HRS)**
	Structural Frame:	0
	Bearing Walls - Ext:	0
	Bearing Walls - Int:	0
	Nonbearing Walls - Ext:	0
	Nonbearing Walls - Int:	0
	Floor:	0
	Roof:	0
713.4 (see 717 for ductwork)	Shaft Enclosures:	not less than 1 hr where connecting less than four stories (# of stories shall include any basements, but not any mezzanines)
Table 1020.2	Corridors:	0 hour with sprinkler system
Table 716.1	Opening Fire Protection Assemblies, Ratings and Markings	See table for various assemblies.

Table 705.5 **FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE**
OCCUPANCY GROUP B, TYPE IIA CONSTRUCTION

Distance (feet)	Hrs
<5; 5 to <10	1
>10 to <30; >30	0

Table 705.8 **MAXIMUM AREA OF EXTERIOR WALL OPENINGS**

30' or greater- Unprotected sprinklered- NO LIMIT.

7. MEANS OF EGRESS (CHAPTER 10)

1005.1 **Means of Egress sizing per 1005.1**
The required capacity in inches for means of egress shall be as follows:
Stairways: 0.3 inches per occupant
Other egress components (Doorways): 0.2 inches per occupant

1009.1 **Accessible Means of Egress**

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JSD PROFESSIONAL SERVICES
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VERONA, WI 53593
608.848.5060 (O)
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W66N215 COMMERCE COURT
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262.377.7602 (O)
XXX STATE CERTIFICATE OF AUTHORITY NO. XXXXXXXXX

M.E.P.
RING & DUCHATEAU
302 S BLOUNT STREET, SUITE 101
MADISON, WI 53703
608.733.5800 (O) 414.778.2360 (F)
XXX STATE CERTIFICATE OF AUTHORITY NO. XXXXXXXXX

SECURITY
CORRECT ELECTRONICS
1807 SOUTH WASHINGTON, SUITE 110
NAPERVILLE, IL 60565
630.689.1190 (O)
XXX STATE CERTIFICATE OF AUTHORITY NO. XXXXXXXXX

NOT FOR CONSTRUCTION

FOR REVIEW ONLY

Not for regulatory approval, permit or construction.

The information on this document is preliminary or incomplete, not for construction, recording purposes, or implementation.

ISSUANCE		
NO	DATE	DESCRIPTION
2	02/28/2025	100% DESIGN DEVELOPMENT

FITCHBURG POLICE SERVICES FACILITY
CITY OF FITCHBURG
5550 RESEARCH PARK DRIVE, FITCHBURG, WI 53711

100% DESIGN DEVELOPMENT

CODE SUMMARY AND OCCUPANCY SCHEDULE

SHEET NO.
G1.00

JOB NO. 23-3772.01

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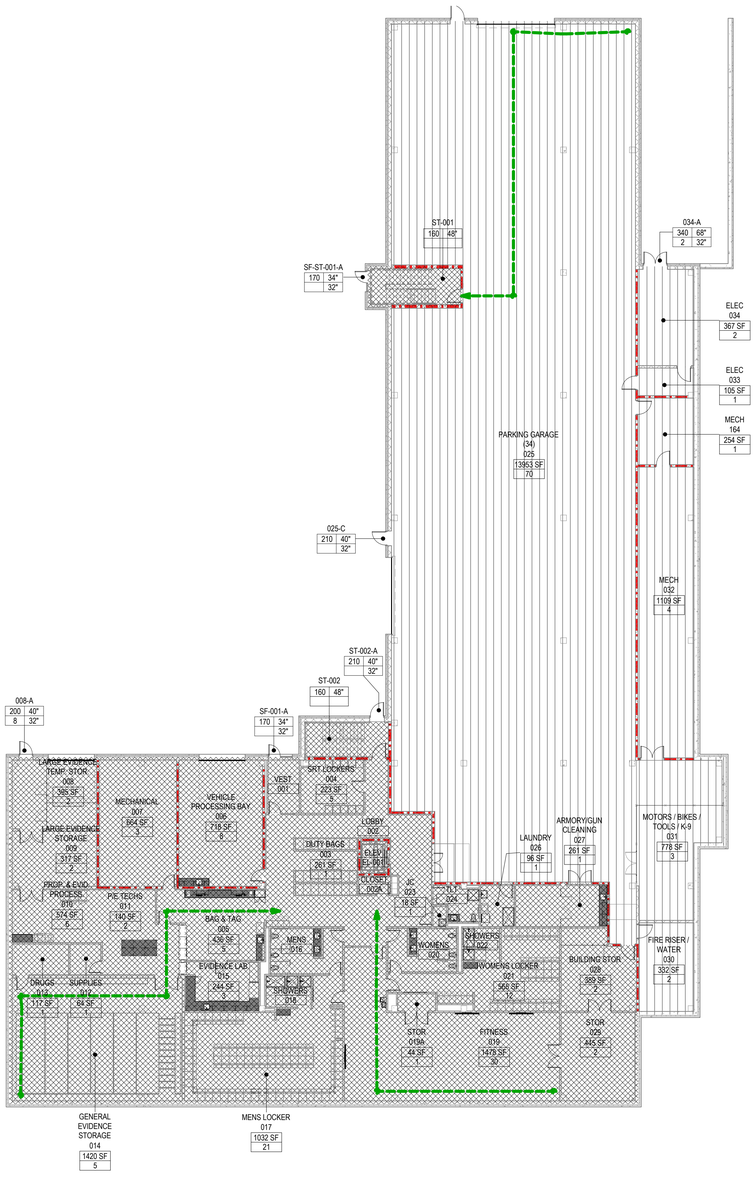

GENERAL CODE COMPLIANCE NOTES

1. PROVIDE FIRE WALLS, FIRE AND SMOKE PARTITIONS AT LOCATIONS INDICATED ON THESE G-Series DRAWINGS. PROVIDE CONSTRUCTION IN ACCORDANCE WITH UL-TEST NUMBERS FOR RATINGS INDICATED.

   UNLESS OTHERWISE NOTED PROVIDE THE FOLLOWING UL-TEST DESIGNS:
   2HR RATED CMU: UL-U905; UL-U906;
   3HR RATED CMU: UL-U904;
   1HR RATED GYPSUM BOARD: UL-U419; UL-U448;
   1-1/2HR RATED GYPSUM BOARD: UL-U449
   2HR RATED GYPSUM BOARD: UL-U411; UL-U412; UL-U419;
   3HR RATED GYPSUM BOARD: UL-U419;UL-U435;
   1HR RATED SHAFTWALL: UL-U468;
   2HR RATED SHAFTWALL: UL-U-467

2. FIRE RATED WALLS AND PARTITIONS SHALL BE CONTINUOUS, WITHOUT GAPS IN HORIZONTAL AND VERTICAL DIRECTIONS. SEAL ALL PENETRATIONS ACCORDING TO SPECIFIED OR SELECTED UL TESTS.

3. IN ADDITION TO SIGNS REQUIRED BY THE SPECIFICATIONS FOR EACH PENETRATION, PROVIDE STENCILLED SIGNS AT ALL ACCESSIBLE CONCEALED FLOOR, CEILING OR ATTIC SPACE WHICH INCORPORATES THE WORDS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". PROVIDE AT LEASTE ONE OR MORE SIGNS ON BOTH SIDES OF EACH WALL SEGMENT SPACED AT LEAST 15' APART. LETTERING SHALL BE AT LEAST 2" IN HEIGHT.

4. BOTTOM FLANGE PROTECTION. PROVIDE INTUMESCENT COATING FIRE PROTECTION AT THE BOTTOM FLANGE OF LINTELS, SHELF ANGLES AND PLATES, IN WALLS THAT ARE PART OF THE PRIMARY STRUCTURAL FRAME, WHICH SPAN MORE THAN 6 FEET AND WHICH ARE EXPOSED TO VIEW. ALL OTHER LINTEL SURFACES IN WALL THAT ARE PART OF THE PRIMARY STRUCTURAL FRAME, SPAN MORE THAN 6 FEET BUT WHICH ARE NOT EXPOSED TO VIEW AND NOT ENCASED BY CMU OR CONCRETE, MAY BE FIRE PROOFED WITH SPRAY FIREPROOFING OR INTUMESCENT COATINGS.

5. STRUCTURAL FRAME SUPPORTING FIRE RATED WALLS: ALL STRUCTURAL COMPONENTS, INCLUDING COLUMNS, GIRDERS, BEAMS, JOISTS AND DECKS, SUPPORTING FIRE RATED SHAFT CONSTRUCTION SHALL BE FIRE RATED TO THE SAME LEVEL OF PROTECTION OF THE SHAFT. PROTECTION OF INDIVIDUAL BEAMS SHALL EXTEND TO THE ENTIRE SPAN OF THE STRUCTURE AND TO COLUMNS ALL THE WAY DOWN TO THE GROUND.

FIRE RESISTANCE LEGEND

WALLS / PARTITIONS

1-HR FIRE SEPARATION ASSEMBLY

2-HR FIRE SEPARATION ASSEMBLY

REFER TO WALL ASSEMBLY LEGENDS AND PARTITION TYPE DETAILS FOR ASSEMBLY INFORMATION

CODE TAG LEGEND

ROOM TAGS

ROOM — ROOM NAME
A100 — ROOM NUMBER
150 SF — ROOM OCCUPIABLE SQUARE FOOTAGE
10 — ROOM OCCUPANCY LOAD

ROOM — ROOM NAME
A100 — ROOM NUMBER
150 SF — ROOM OCCUPIABLE SQUARE FOOTAGE
8 | 10 — ROOM OCCUPANCY LOAD - CALCULATED
ROOM OCCUPANCY LOAD - ACTUAL

DOOR TAG

EXIT CAPACITY PROVIDED
A100 — DOOR NUMBER
227 — EXITING CLEAR WIDTH PROVIDED (INCHES)
120 | 18" — EXITING WIDTH REQUIRED (INCHES)
EXIT CAPACITY REQUIRED

STAIR TAG

EXIT CAPACITY PROVIDED
A100 — STAIR NUMBER
400 | 60" — EXITING CLEAR WIDTH PROVIDED (INCHES)
227 | 34" — EXITING WIDTH REQUIRED (INCHES)
EXIT CAPACITY REQUIRED

PATH OF TRAVEL TAG

48'-6" — LENGTH OF PATH OF TRAVEL IN FEET AND INCHES

DIRECTION OF TRAVEL TAG

220 — INDICATES NUMBER OF PEOPLE TRAVELING IN DIRECTION SHOWN
220 — SAME TAG AS ABOVE, SMALLER SIZE

OCCUPANCY CLASSIFICATION

BUSINESS (B)

STORAGE (S-2)

N

1 OVERALL LOWER LEVEL CODE COMPLIANCE PLAN

1/16" = 1'-0"

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ISSUANCE

NO	DATE	DESCRIPTION
2	02/28/2025	100% DESIGN DEVELOPMENT

FITCHBURG POLICE SERVICES FACILITY
CITY OF FITCHBURG
5550 RESEARCH PARK DRIVE, FITCHBURG, WI 53711

100% DESIGN DEVELOPMENT

OVERALL LOWER LEVEL CODE COMPLIANCE PLAN

SHEET NO.
G1.10

JOB NO. 23-3772.01

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GENERAL CODE COMPLIANCE NOTES

1. PROVIDE FIRE WALLS, FIRE AND SMOKE PARTITIONS AT LOCATIONS INDICATED ON THESE G-Series DRAWINGS. PROVIDE CONSTRUCTION IN ACCORDANCE WITH UL-TEST NUMBERS FOR RATINGS INDICATED.

   UNLESS OTHERWISE NOTED PROVIDE THE FOLLOWING UL-TEST DESIGNS:
   2HR RATED CMU: UL-U905; UL-U906;
   3HR RATED CMU: UL-U904;
   1HR RATED GYPSUM BOARD: UL-U419; UL-U448;
   1-1/2HR RATED GYPSUM BOARD: UL-U449
   2HR RATED GYPSUM BOARD: UL-U411; UL-U412; UL-U419;
   3HR RATED GYPSUM BOARD: UL-U419;UL-U435;
   1HR RATED SHAFTWALL: UL-U468;
   2HR RATED SHAFTWALL: UL-U-467

2. FIRE RATED WALLS AND PARTITIONS SHALL BE CONTINUOUS, WITHOUT GAPS IN HORIZONTAL AND VERTICAL DIRECTIONS. SEAL ALL PENETRATIONS ACCORDING TO SPECIFIED OR SELECTED UL TESTS.

3. IN ADDITION TO SIGNS REQUIRED BY THE SPECIFICATIONS FOR EACH PENETRATION, PROVIDE STENCILLED SIGNS AT ALL ACCESSIBLE CONCEALED FLOOR, CEILING OR ATTIC SPACE WHICH INCORPORATES THE WORDS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". PROVIDE AT LEASTE ONE OR MORE SIGNS ON BOTH SIDES OF EACH WALL SEGMENT SPACED AT LEAST 15' APART. LETTERING SHALL BE AT LEAST 2" IN HEIGHT.

4. BOTTOM FLANGE PROTECTION. PROVIDE INTUMESCENT COATING FIRE PROTECTION AT THE BOTTOM FLANGE OF LINTELS, SHELF ANGLES AND PLATES, IN WALLS THAT ARE PART OF THE PRIMARY STRUCTURAL FRAME, WHICH SPAN MORE THAN 6 FEET AND WHICH ARE EXPOSED TO VIEW. ALL OTHER LINTEL SURFACES IN WALL THAT ARE PART OF THE PRIMARY STRUCTURAL FRAME, SPAN MORE THAN 6 FEET BUT WHICH ARE NOT EXPOSED TO VIEW AND NOT ENCASED BY CMU OR CONCRETE, MAY BE FIRE PROOFED WITH SPRAY FIREPROOFING OR INTUMESCENT COATINGS.

5. STRUCTURAL FRAME SUPPORTING FIRE RATED WALLS: ALL STRUCTURAL COMPONENTS, INCLUDING COLUMNS, GIRDERS, BEAMS, JOISTS AND DECKS, SUPPORTING FIRE RATED SHAFT CONSTRUCTION SHALL BE FIRE RATED TO THE SAME LEVEL OF PROTECTION OF THE SHAFT. PROTECTION OF INDIVIDUAL BEAMS SHALL EXTEND TO THE ENTIRE SPAN OF THE STRUCTURE AND TO COLUMNS ALL THE WAY DOWN TO THE GROUND.

FIRE RESISTANCE LEGEND

WALLS / PARTITIONS

1-HR FIRE SEPARATION ASSEMBLY

2-HR FIRE SEPARATION ASSEMBLY

REFER TO WALL ASSEMBLY LEGENDS AND PARTITION TYPE DETAILS FOR ASSEMBLY INFORMATION

CODE TAG LEGEND

ROOM TAGS

ROOM — ROOM NAME
A100 — ROOM NUMBER
150 SF — ROOM OCCUPIABLE SQUARE FOOTAGE
10 — ROOM OCCUPANCY LOAD

ROOM — ROOM NAME
A100 — ROOM NUMBER
150 SF — ROOM OCCUPIABLE SQUARE FOOTAGE
8 | 10 — ROOM OCCUPANCY LOAD - CALCULATED | ROOM OCCUPANCY LOAD - ACTUAL

DOOR TAG

EXIT CAPACITY PROVIDED
A100 — DOOR NUMBER
227 | 34" — EXITING CLEAR WIDTH PROVIDED (INCHES)
120 | 18" — EXITING WIDTH REQUIRED (INCHES)
EXIT CAPACITY REQUIRED

STAIR TAG

EXIT CAPACITY PROVIDED
A100 — STAIR NUMBER
400 | 60" — EXITING CLEAR WIDTH PROVIDED (INCHES)
227 | 34" — EXITING WIDTH REQUIRED (INCHES)
EXIT CAPACITY REQUIRED

PATH OF TRAVEL TAG

48'-6" — LENGTH OF PATH OF TRAVEL IN FEET AND INCHES

DIRECTION OF TRAVEL TAG

220 — INDICATES NUMBER OF PEOPLE TRAVELING IN DIRECTION SHOWN
220 — SAME TAG AS ABOVE, SMALLER SIZE

OCCUPANCY CLASSIFICATION

- BUSINESS (B)
- INSTITUTIONAL (I-3)
- ASSEMBLY (A-3)
- STORAGE (S-2)

N

1 OVERALL FIRST FLOOR CODE COMPLIANCE PLAN

1/16" = 1'-0"

N

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CITY OF FITCHBURG
5550 RESEARCH PARK DRIVE, FITCHBURG, WI 53711

100% DESIGN DEVELOPMENT

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GENERAL FLOOR PLAN NOTES

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2. REFER TO PARTITION TYPES FOR THICKNESS OF WALLS AND PARTITIONS.
3. WALL, CMU AND PARTITION DIMENSIONS ARE SHOWN TO FINISHED FACE OF WALL.
4. DIMENSIONS AND NOTATIONS FOR AREAS DRAWN AT A LARGER SCALE ARE SHOWN ON ENLARGED SCALE PLANS. SEE A1 SERIES DRAWINGS & CALLOUTS.
5. UNLESS OTHERWISE NOTED, WALLS AND PARTITIONS WHICH ARE LAID OUT RADIALLY, ARE DIMENSIONED BY RADIAN (DEGREES) FROM THE NEAREST GRID LINES.
6. UNLESS OTHERWISE NOTED, WALL AND PARTITIONS WHICH ARE LAID OUT CONCENTRICALLY ARE DIMENSIONED FROM THE NEAREST GRID AND SHALL BE LAID OUT ALONG THE ESTABLISHED RADIUS.
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9. FOR WALL AND PARTITION TYPES, SEE A6 SERIES DRAWINGS.
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11. FOR FINISH PLAN, SEE A1.5 SERIES DRAWINGS.
12. FOR DOOR AND FRAME INFORMATION, SEE A5 SERIES DRAWINGS.
13. FOR WINDOW AND STOREFRONT TYPES, SEE A2.10 & ELEVATIONS ON A5 SERIES DRAWINGS.
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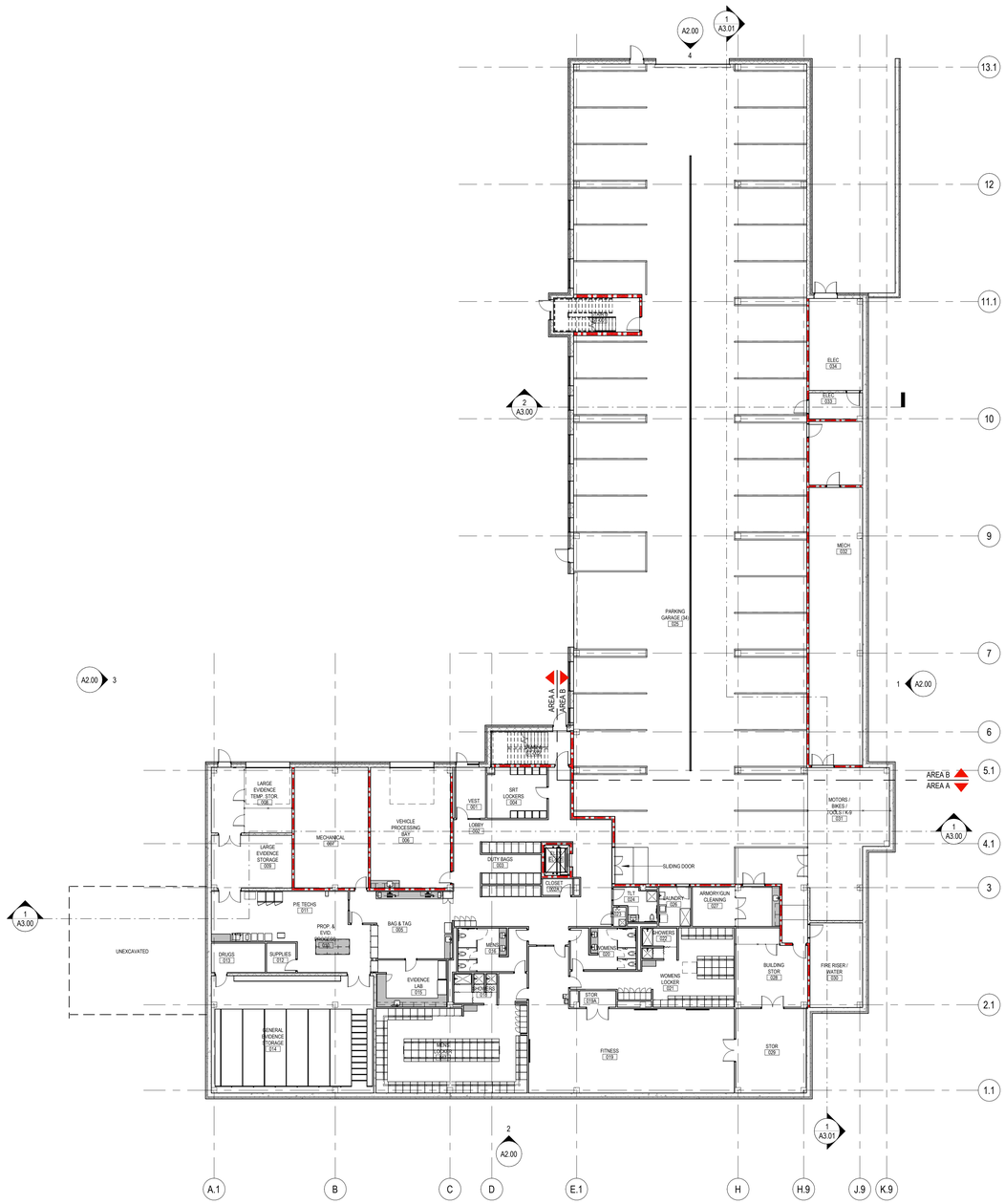
21. FURNITURE AND EQUIPMENT SHOWN DOTTED IS NOT IN CONTRACT AND IS SHOWN FOR COORDINATION PURPOSES.
22. SEE SPECIFICATION SECTION 011000 - "SUMMARY" OR 011001 "GENERAL REQUIREMENTS FOR SMALL PROJECTS" FOR RESPONSIBILITY FOR WORK UNDER OTHER CONTRACTS AND FOR OWNER FURNISHED - CONTRACTOR INSTALLED WORK



N

1 OVERALL LOWER LEVEL PLAN
1/16" = 1'-0"

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CITY OF FITCHBURG
5550 RESEARCH PARK DRIVE, FITCHBURG, WI 53711

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FLOOR PLAN - LOWER LEVEL - OVERALL

SHEET NO.
A1.10

JOB NO. 23-3772.01

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A

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TAG	DESCRIPTION	TAG	DESCRIPTION
EQ-#	EQUIPMENT (SEE LEGEND ON A6.5)	LKR- #	LOCKER (SEE LOCKER TYPE S ON A6.50)
FE-1	FIRE EXTINGUISHER & MOUNTING BRACKET	RA- #	RESIDENTIAL APPLIANCE (SEE LEGEND ON A6.5)
FEC-1	FIRE EXTINGUISHER CABINET (RECESSED)	SGN- #	SIGNAGE (SEE SIGNAGE TYPES)
FEC-2	FIRE EXTINGUISHER CABINET (SEMI-RECESSED)	TBA- #	TOILET AND BATH ACCESSORY (SEE SHEET AX.#)
FEC-3	FIRE EXTINGUISHER CABINET (SURFACE MOUNTED)	VDB- #	VISUAL DISPLAY BOARD (SEE LEGEND ON A6.5)

WALL FIRE RESISTANCE LEGEND

WALLS / PARTITIONS

1-HR SMOKE SEPARATION ASSEMBLY

RATING GRAPHIC AT OPENINGS

1-HR FIRE SEPARATION ASSEMBLY

OPENINGS INCLUDING DOORS, WINDOWS, CURTAIN WALLS, STORE FRONTS, ETC. IN RATED WALLS AND PARTITIONS SHALL CARRY APPLICABLE OPENING RATING TO MATCH WALL RATING UNLESS NOTED OTHERWISE.

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GENERAL FLOOR PLAN NOTES

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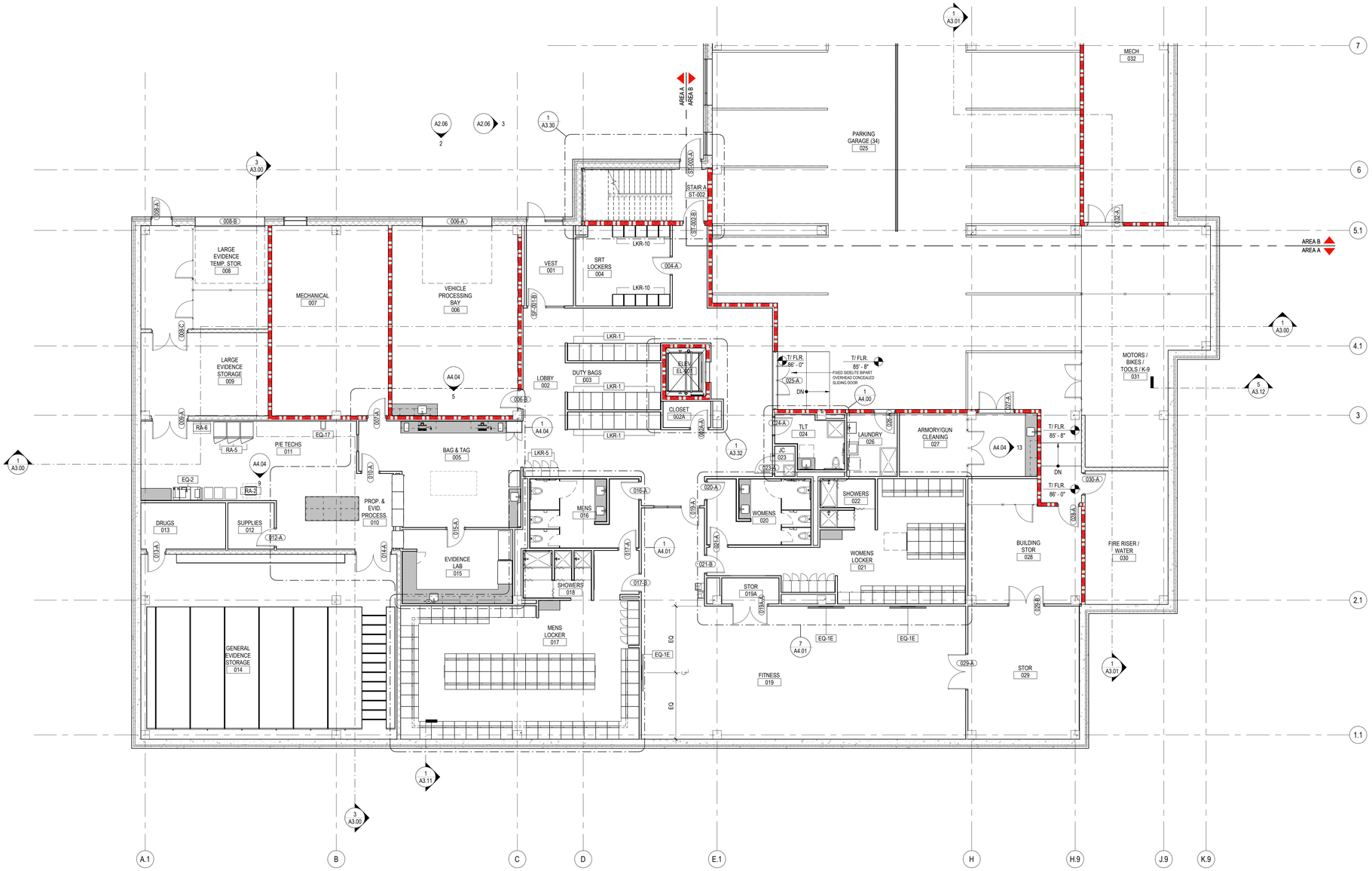
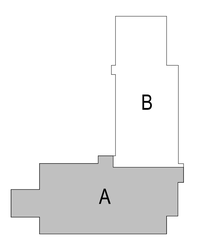
FLOOR PLAN KEYED NOTES	
TAG	DESCRIPTION
A1	MOP SINK AND SHELF. INSTALL FRP-1 48" A.F.F. AT ADJACENT WALLS. PROVIDE ALL EDGING REQUIRED FOR INSTALLATION. CUT AROUND OUTLETS AND SWITCHES AS REQUIRED. PROVIDE SLEEVS AS REQUIRED AT THESE LOCATIONS. SEE FINISH PLAN FOR EXTENTS OF FRP. SEE SPECIFICATIONS AND PLUMBING SERIES FOR ADDITIONAL INFORMATION.
A2	TRASH AND RECYCLING, BY OWNER.





1 LOWER LEVEL NOTATION PLAN - AREA A

1/8" = 1'-0"

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CITY OF FITCHBURG
5550 RESEARCH PARK DRIVE, FITCHBURG, WI 53711

100% DESIGN DEVELOPMENT

FLOOR PLAN - LOWER LEVEL - AREA A - NOTATION

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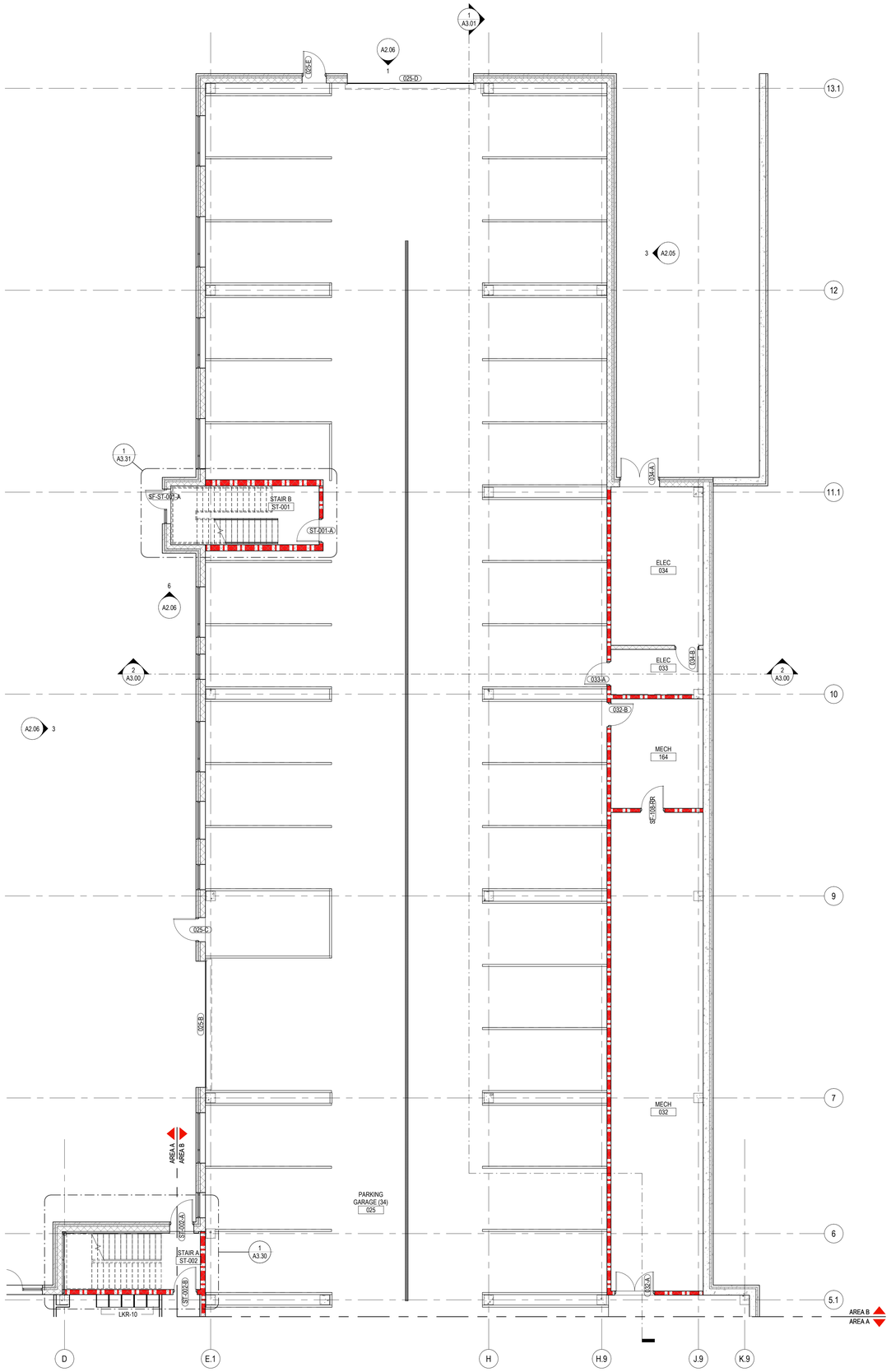

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WALL FIRE RESISTANCE LEGEND

WALLS / PARTITIONS

1-HR SMOKE SEPARATION ASSEMBLY
RATING GRAPHIC AT OPENINGS
1-HR FIRE SEPARATION ASSEMBLY

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SPECIALTY EQUIPMENT SCHEDULE

TAG	DESCRIPTION	TAG	DESCRIPTION
EQ-#	EQUIPMENT (SEE LEGEND ON A6.5)	LKR- #	LOCKER (SEE LOCKER TYPE S ON A6.50)
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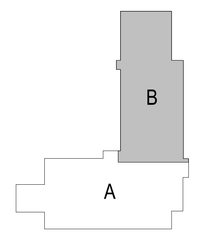
FEC-1	FIRE EXTINGUISHER CABINET (RECESSED)	SGN- #	SIGNAGE (SEE SIGNAGE TYPES)
FEC-2	FIRE EXTINGUISHER CABINET (SEMI-RECESSED)	TBA- #	TOILET AND BATH ACCESSORY (SEE SHEET AX.#)
FEC-3	FIRE EXTINGUISHER CABINET (SURFACE MOUNTED)	VDB- #	VISUAL DISPLAY BOARD (SEE LEGEND ON A6.5)

N

1 LOWER LEVEL NOTATION PLAN - AREA B

1/8" = 1'-0"



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FLOOR PLAN - LOWER LEVEL - AREA B - NOTATION

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GENERAL FLOOR PLAN NOTES

1. REFER TO G-SERIES SHEETS FOR TYPICAL ABBREVIATIONS, SYMBOLS & TAGS.
2. REFER TO PARTITION TYPES FOR THICKNESS OF WALLS AND PARTITIONS.
3. WALL, CMU AND PARTITION DIMENSIONS ARE SHOWN TO FINISHED FACE OF WALL.
4. DIMENSIONS AND NOTATIONS FOR AREAS DRAWN AT A LARGER SCALE ARE SHOWN ON ENLARGED SCALE PLANS. SEE A1 SERIES DRAWINGS & CALLOUTS.
5. UNLESS OTHERWISE NOTED, WALLS AND PARTITIONS WHICH ARE LAID OUT RADIALLY, ARE DIMENSIONED BY RADIAN (DEGREES) FROM THE NEAREST GRID LINES.
6. UNLESS OTHERWISE NOTED, WALL AND PARTITIONS WHICH ARE LAID OUT CONCENTRICALLY ARE DIMENSIONED FROM THE NEAREST GRID AND SHALL BE LAID OUT ALONG THE ESTABLISHED RADIUS.
7. WALLS AND PARTITIONS WHICH ARE NOT INTENDED TO BE LAID OUT ON A RADIUS, ARE SHOWN TO BE PERPENDICULAR (--) OR AT SOME ANGLE) --) TO THE ADJOINING WALLS OR PERPENDICULAR TO A GRID LINE (--).
8. DIMENSIONS ALONG CURVED LINES ARE ACTUAL CURVED DIMENSIONED ARC LENGTHS.
9. FOR WALL AND PARTITION TYPES, SEE A6 SERIES DRAWINGS.
10. FOR TYPICAL COLUMN ENCLOSURE DETAILS, SEE A4 SERIES DRAWINGS.
11. FOR FINISH PLAN, SEE A1.5 SERIES DRAWINGS.
12. FOR DOOR AND FRAME INFORMATION, SEE A5 SERIES DRAWINGS.
13. FOR WINDOW AND STOREFRONT TYPES, SEE A2.10 & ELEVATIONS ON A5 SERIES DRAWINGS.
14. FOR EXTERIOR ENVELOPE DETAILS, SEE A3 SERIES DRAWINGS.
15. FOR LARGE SCALE PLANS, SEE A4 SERIES DRAWINGS.
16. FOR INTERIOR ELEVATIONS, SEE A4 SERIES DRAWINGS.
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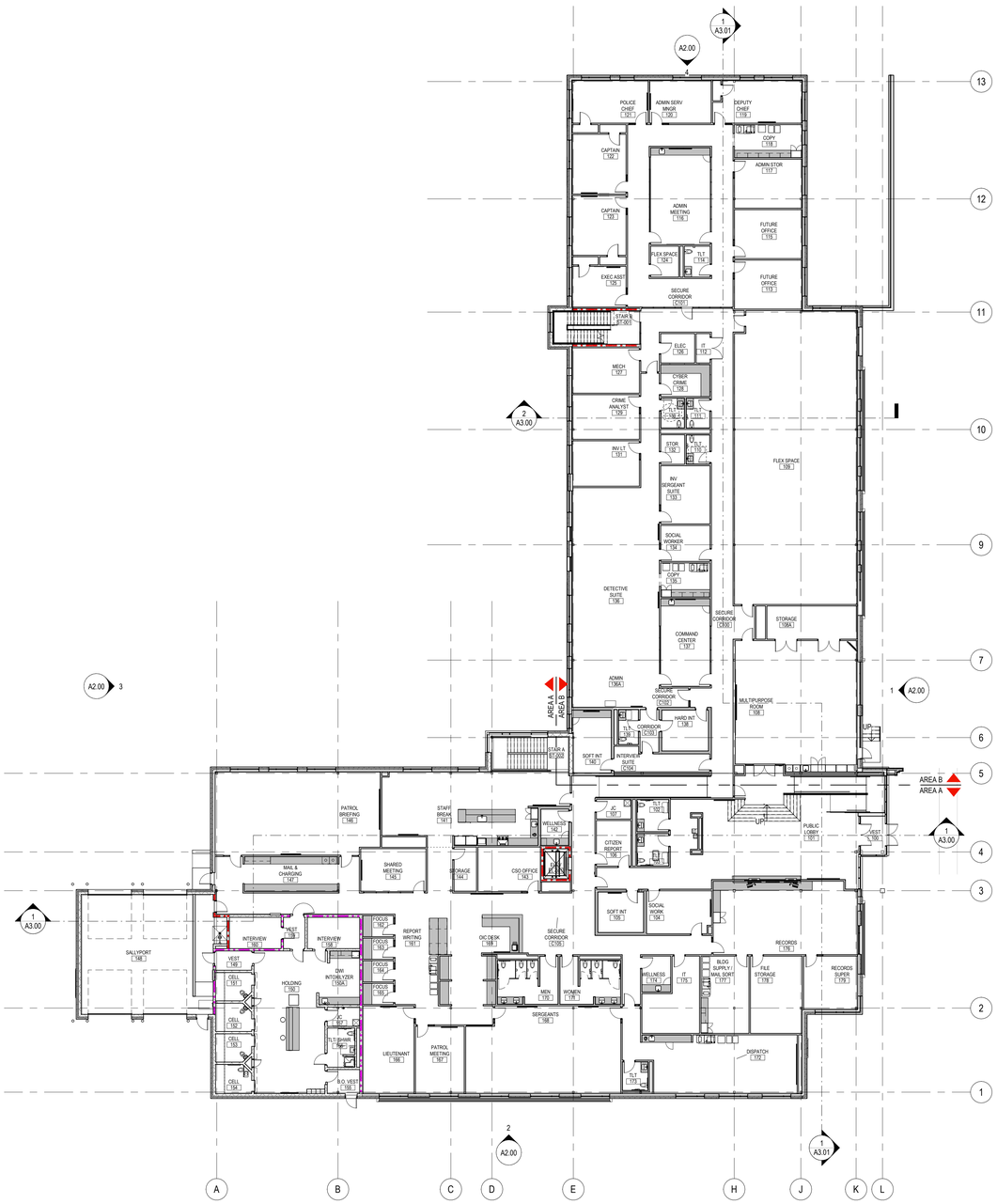
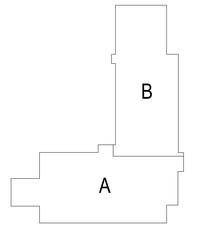
21. FURNITURE AND EQUIPMENT SHOWN DOTTED IS NOT IN CONTRACT AND IS SHOWN FOR COORDINATION PURPOSES.
22. SEE SPECIFICATION SECTION 011000 - "SUMMARY" OR 011001 "GENERAL REQUIREMENTS FOR SMALL PROJECTS" FOR RESPONSIBILITY FOR WORK UNDER OTHER CONTRACTS AND FOR OWNER FURNISHED - CONTRACTOR INSTALLED WORK





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1 OVERALL FIRST FLOOR PLAN
1/16" = 1'-0"

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2	02/28/2025	100% DESIGN DEVELOPMENT

FITCHBURG POLICE SERVICES FACILITY
CITY OF FITCHBURG
5550 RESEARCH PARK DRIVE, FITCHBURG, WI 53711

100% DESIGN DEVELOPMENT

FLOOR PLAN - 1ST FLOOR - OVERALL

SHEET NO.
A1.11

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SPECIALTY EQUIPMENT SCHEDULE

TAG	DESCRIPTION	TAG	DESCRIPTION
EQ-#	EQUIPMENT (SEE LEGEND ON A6.5)	LKR- #	LOCKER (SEE LOCKER TYPE S ON A6.50)
FE-1	FIRE EXTINGUISHER & MOUNTING BRACKET	RA- #	RESIDENTIAL APPLIANCE (SEE LEGEND ON A6.5)
FEC-1	FIRE EXTINGUISHER CABINET (RECESSED)	SGN- #	SIGNAGE (SEE SIGNAGE TYPES)
FEC-2	FIRE EXTINGUISHER CABINET (SEMI-RECESSED)	TBA- #	TOILET AND BATH ACCESSORY (SEE SHEET A)#)
FEC-3	FIRE EXTINGUISHER CABINET (SURFACE MOUNTED)	VDB- #	VISUAL DISPLAY BOARD (SEE LEGEND ON A6.5)

WALL FIRE RESISTANCE LEGEND

WALLS / PARTITIONS

1-HR SMOKE SEPARATION ASSEMBLY

RATING GRAPHIC AT OPENINGS

1-HR FIRE SEPARATION ASSEMBLY

OPENINGS INCLUDING DOORS, WINDOWS, CURTAIN WALLS, STORE FRONTS, ETC. IN RATED WALLS AND PARTITIONS SHALL CARRY APPLICABLE OPENING RATING TO MATCH WALL RATING UNLESS NOTED OTHERWISE.

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FLOOR PLAN KEYED NOTES	
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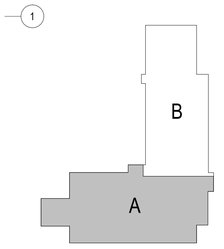
A2	TRASH AND RECYCLING, BY OWNER.



SPECIALTY EQUIPMENT LEGEND

12" = 1'-0"

1 FIRST FLOOR NOTATION PLAN - AREA A

1/8" = 1'-0"

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CITY OF FITCHBURG
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100% DESIGN DEVELOPMENT

FLOOR PLAN - 1ST FLOOR - AREA A - NOTATION

SHEET NO.
A1.11A

JOB NO. 23-3772.01

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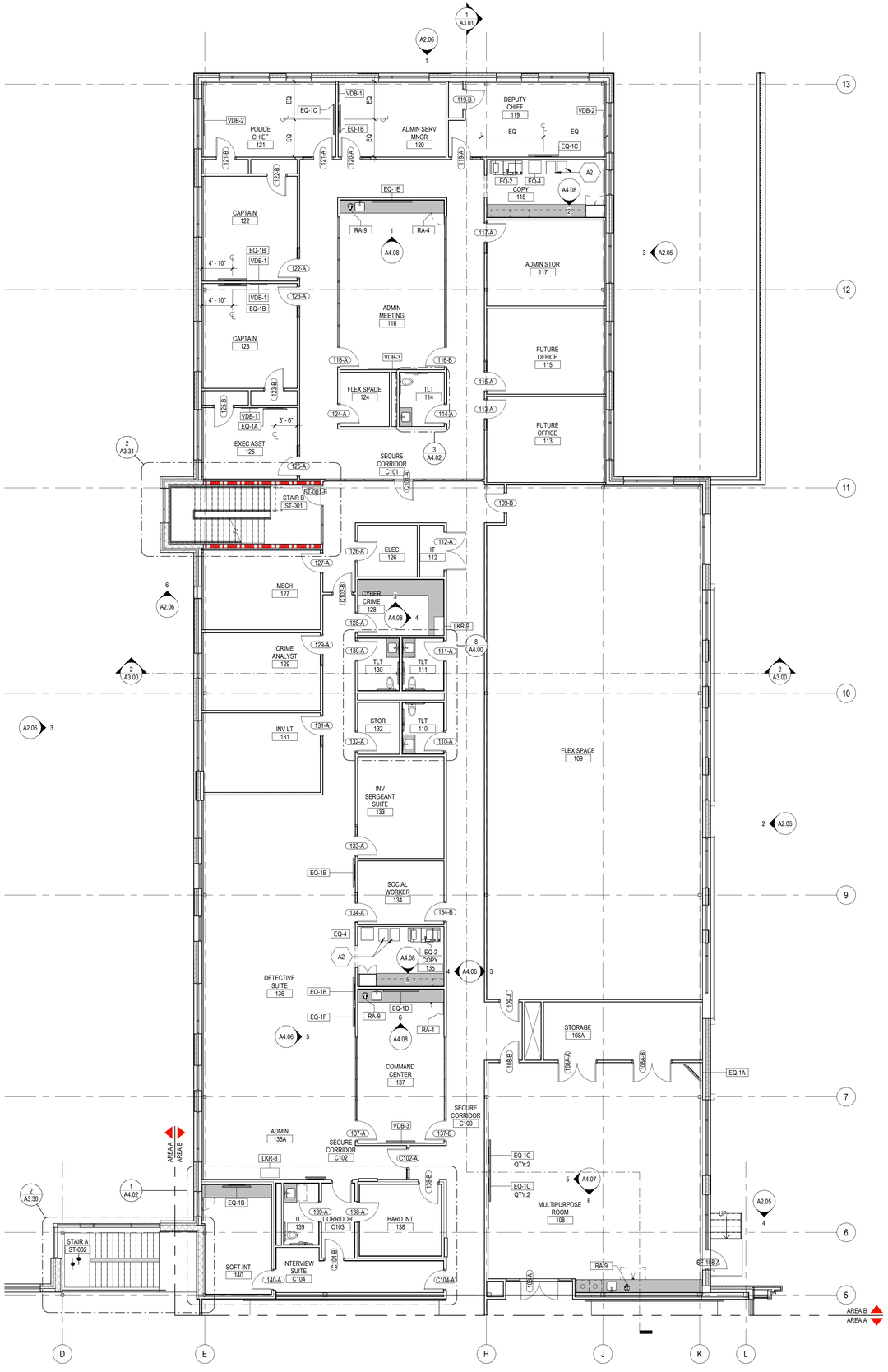

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FLOOR PLAN KEYED NOTES	
TAG	DESCRIPTION
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A2	TRASH AND RECYCLING, BY OWNER.

WALL FIRE RESISTANCE LEGEND

WALLS / PARTITIONS

1-HR SMOKE SEPARATION ASSEMBLY
RATING GRAPHIC AT OPENINGS
1-HR FIRE SEPARATION ASSEMBLY

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SPECIALTY EQUIPMENT SCHEDULE

TAG	DESCRIPTION	TAG	DESCRIPTION
EQ-#	EQUIPMENT (SEE LEGEND ON A6.5)	LKR- #	LOCKER (SEE LOCKER TYPE S ON A6.50)
FE-1	FIRE EXTINGUISHER & MOUNTING BRACKET	RA- #	RESIDENTIAL APPLIANCE (SEE LEGEND ON A6.5)
FEC-1	FIRE EXTINGUISHER CABINET (RECESSED)	SGN- #	SIGNAGE (SEE SIGNAGE TYPES)
FEC-2	FIRE EXTINGUISHER CABINET (SEMI-RECESSED)	TBA- #	TOILET AND BATH ACCESSORY (SEE SHEET AX.#)
FEC-3	FIRE EXTINGUISHER CABINET (SURFACE MOUNTED)	VDB- #	VISUAL DISPLAY BOARD (SEE LEGEND ON A6.5)

1 SPECIALTY EQUIPMENT LEGEND
12" = 1'-0"

1 FIRST FLOOR NOTATION PLAN - AREA B
1/8" = 1'-0"

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FLOOR PLAN - 1ST FLOOR - AREA B - NOTATION

SHEET NO.
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GENERAL ROOF NOTES

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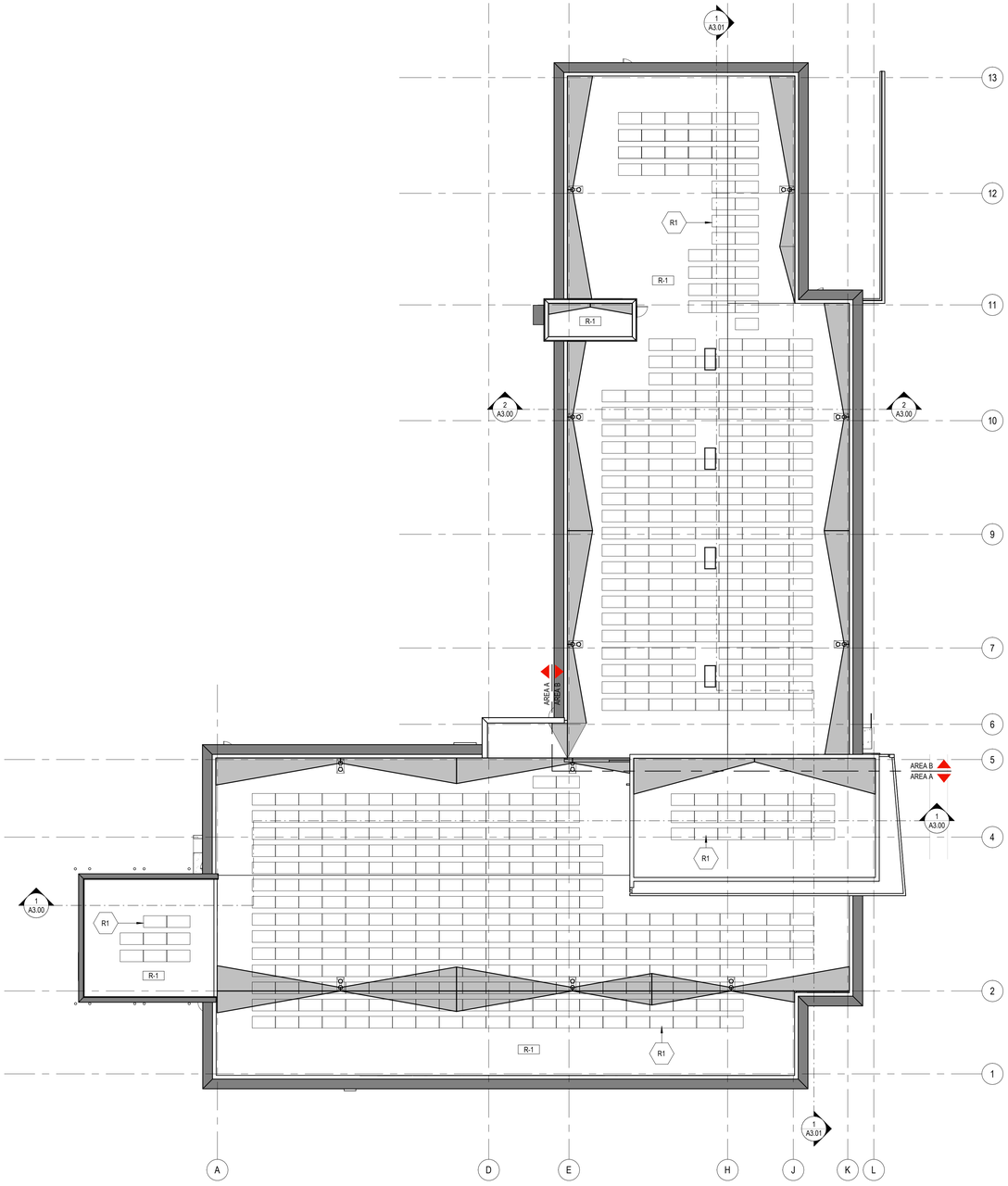
2. COORDINATE ROOF PENETRATIONS WITH STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTORS.
3. ALL ROOF SADDLES/CRICKETS SHALL HAVE A MINIMUM OF 1/2" PER FOOT SLOPE, UNLESS NOTED OTHERWISE.
4. PROVIDE CRICKETS/ROOF CURBS FOR ALL EQUIPMENT SCHEDULED TO BE ON THE ROOF OR OPENINGS. COORDINATE SIZE AND LOCATION.
5. DIMENSIONS AND LOCATIONS OF EQUIPMENT ON THE ROOF ARE APPROXIMATE. DO NOT SCALE THE DRAWINGS.
6. PROVIDE TAPERED INSULATION AS REQUIRED TO ACHIEVE 1/4" PER FOOT MINIMUM SLOPE. COORDINATE WITH STRUCTURAL DRAWINGS, UNLESS NOTED OTHERWISE.

ROOF PLAN KEYED NOTES	
TAG	DESCRIPTION
R1	PHOTOVOLTAIC PANELS, TYPICAL. REFER TO ELECTRICAL DRAWINGS.
R2	COLLECTOR BOX AND DOWNSPOUT. PROVIDE SPLASH BLOCK BELOW
R3	2x4 SKYLIGHT
R4	PREFABRICATED ROOF CANOPY ABOVE DOOR



ROOF PLAN LEGEND

- INDICATES WALKWAY PADS
- INDICATES CRICKETS
- # — ROOF AREA
- # — ROOF ASSEMBLY
- ROOF DRAIN WITH OVERFLOW.

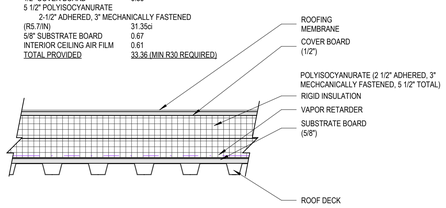
ROOF TYPES LEGEND

R-1	ROOF CONSTRUCTION	-EXTERIOR AIR FILM -PVC ROOFING MEMBRANE -1/2" COVER BOARD -2-1/2" POLYISO BOARD INSULATION, ADHERED -3" POLYISO BOARD INSULATION, MECHANICALLY FASTENED -VAPOR BARRIER -5/8" SUBSTATE BOARD -1-1/2" METAL DECK -INTERIOR AIR FILM

LEGEND - ROOF TYPES

12" = 1'-0"

ROOF ASSEMBLY ELEMENT	R VALUE
EXTERIOR AIR FILM	0.17
1/2" COVER BOARD	0.56
5 1/2" POLYISOCYANURATE 2-1/2" ADHERED, 3" MECHANICALLY FASTENED (R5.7/IN)	31.35ci
5/8" SUBSTRATE BOARD	0.67
INTERIOR CEILING AIR FILM	0.61
TOTAL PROVIDED	33.36 (MIN R30 REQUIRED)



2 ROOF TYPE R-1

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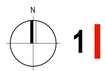
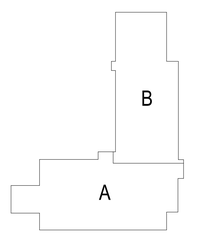


1 OVERALL ROOF PLAN

1/16" = 1'-0"



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ROOF PLAN - OVERALL, ROOF TYPES

SHEET NO.
A1.30

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ROOF PLAN LEGEND

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- INDICATES CRICKETS
- # — ROOF AREA
- # — ROOF ASSEMBLY
- ROOF DRAIN WITH OVERFLOW.

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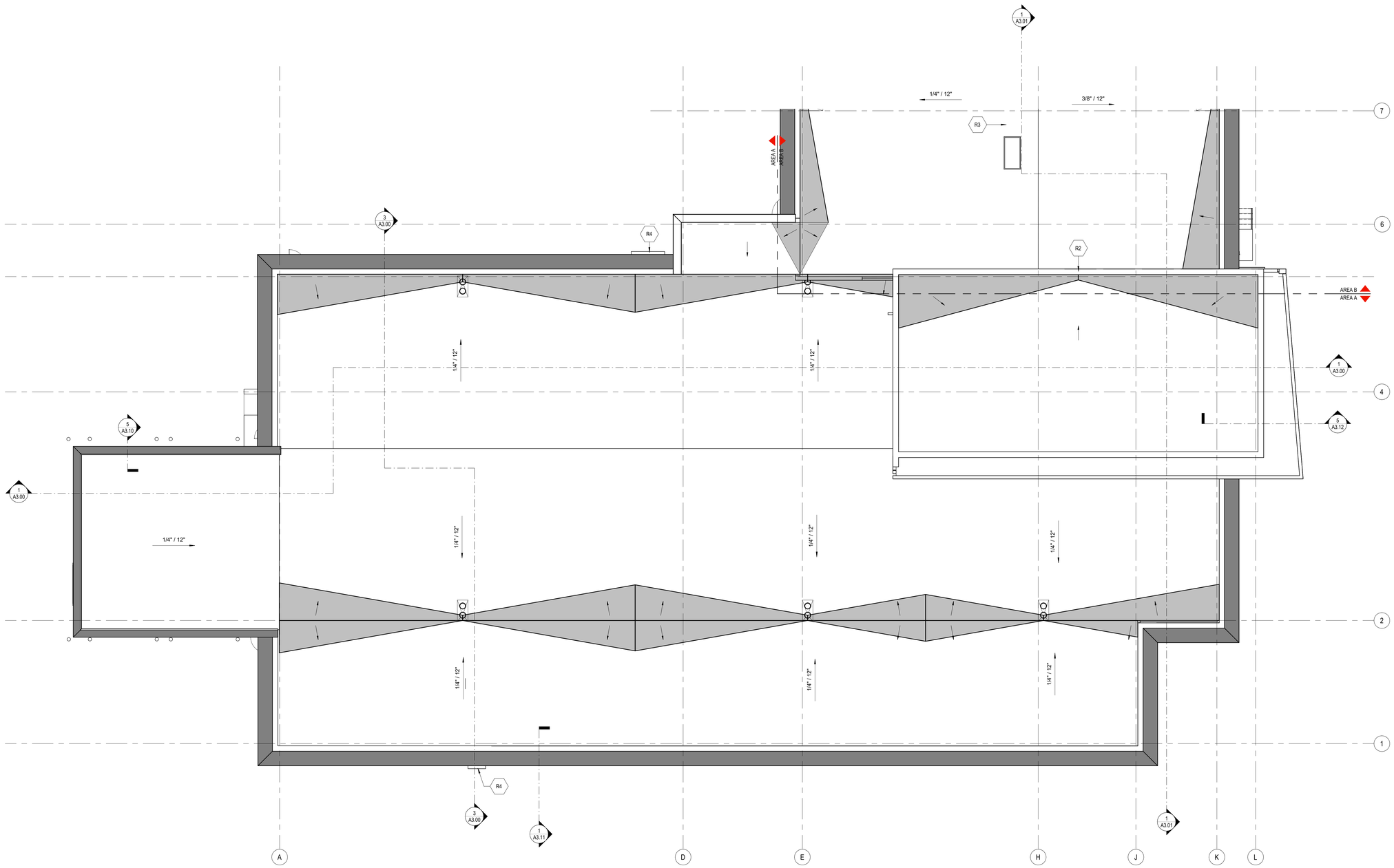
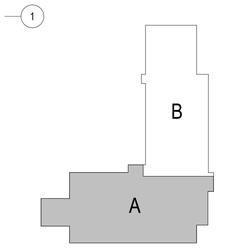
4. PROVIDE CRICKETS/ROOF CURBS FOR ALL EQUIPMENT SCHEDULED TO BE ON THE ROOF OR OPENINGS. COORDINATE SIZE AND LOCATION.
5. DIMENSIONS AND LOCATIONS OF EQUIPMENT ON THE ROOF ARE APPROXIMATE. DO NOT SCALE THE DRAWINGS.
6. PROVIDE TAPERED INSULATION AS REQUIRED TO ACHIEVE 1/4" PER FOOT MINIMUM SLOPE. COORDINATE WITH STRUCTURAL DRAWINGS, UNLESS NOTED OTHERWISE.

ROOF PLAN KEYED NOTES	
TAG	DESCRIPTION
R1	PHOTOVOLTAIC PANELS, TYPICAL. REFER TO ELECTRICAL DRAWINGS.
R2	COLLECTOR BOX AND DOWNSPOUT. PROVIDE SPLASH BLOCK BELOW
R3	2x4 SKYLIGHT
R4	PREFABRICATED ROOF CANOPY ABOVE DOOR





N

1 ROOF PLAN - AREA A

1/8" = 1'-0"

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2	02/28/2025	100% DESIGN DEVELOPMENT

FITCHBURG POLICE SERVICES FACILITY
CITY OF FITCHBURG
5550 RESEARCH PARK DRIVE, FITCHBURG, WI 53711

100% DESIGN DEVELOPMENT

ROOF PLAN - AREA A

SHEET NO.
A1.31A

JOB NO. 23-3772.01

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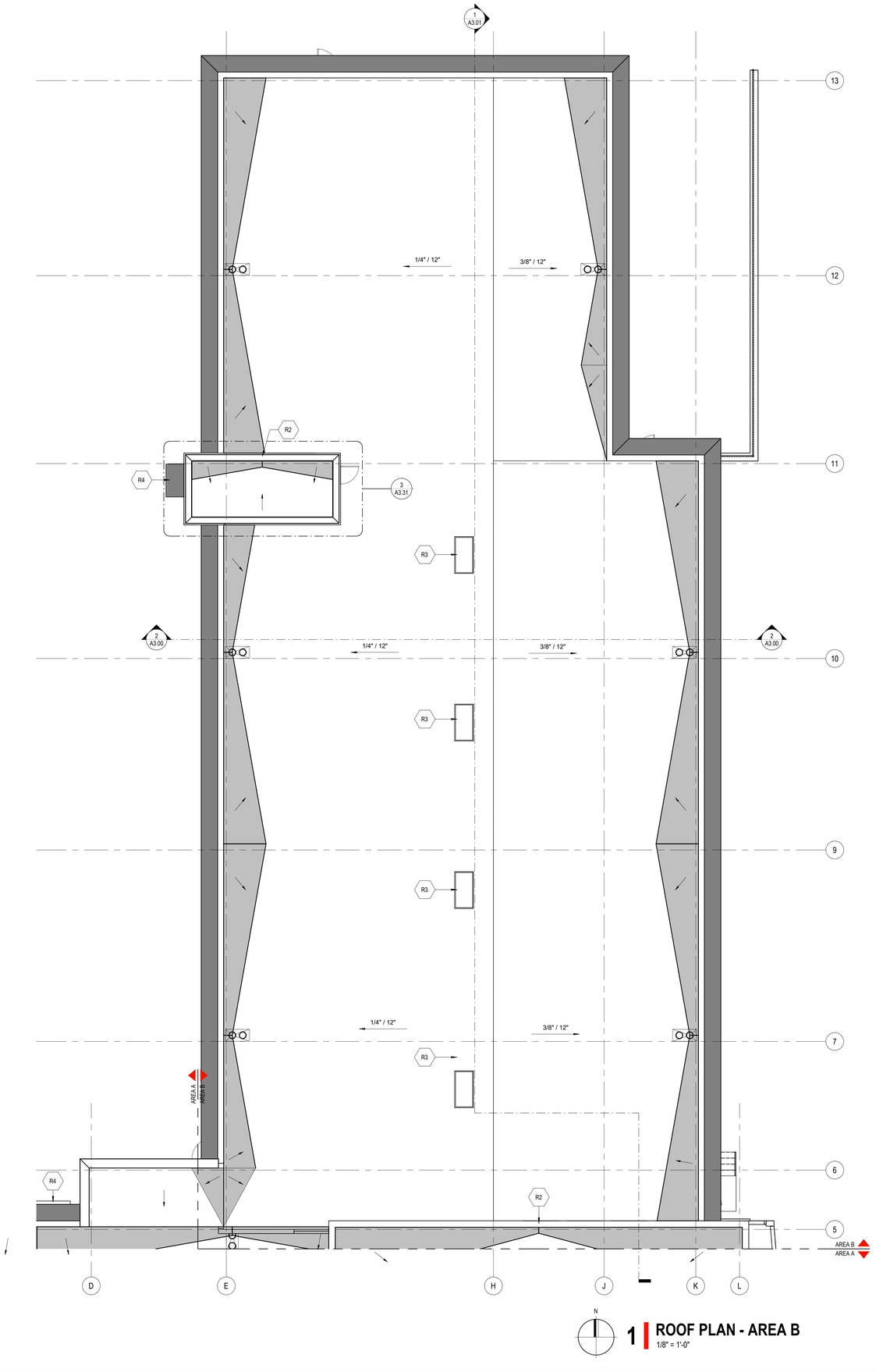


1 ROOF PLAN - AREA B
1/8" = 1'-0"

GENERAL ROOF NOTES

1. REFER TO G-SERIES SHEETS FOR TYPICAL ABBREVIATIONS, SYMBOLS & TAGS.
2. COORDINATE ROOF PENETRATIONS WITH STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTORS.
3. ALL ROOF SADDLES/CRICKETS SHALL HAVE A MINIMUM OF 1/2" PER FOOT SLOPE, UNLESS NOTED OTHERWISE.
4. PROVIDE CRICKETS/ROOF CURBS FOR ALL EQUIPMENT SCHEDULED TO BE ON THE ROOF OR OPENINGS. COORDINATE SIZE AND LOCATION.
5. DIMENSIONS AND LOCATIONS OF EQUIPMENT ON THE ROOF ARE APPROXIMATE. DO NOT SCALE THE DRAWINGS.
6. PROVIDE TAPERED INSULATION AS REQUIRED TO ACHIEVE 1/4" PER FOOT MINIMUM SLOPE. COORDINATE WITH STRUCTURAL DRAWINGS, UNLESS NOTED OTHERWISE.

ROOF PLAN KEYED NOTES	
TAG	DESCRIPTION
R1	PHOTOVOLTAIC PANELS, TYPICAL. REFER TO ELECTRICAL DRAWINGS.
R2	COLLECTOR BOX AND DOWNSPOUT. PROVIDE SPLASH BLOCK BELOW
R3	2x4 SKYLIGHT
R4	PREFABRICATED ROOF CANOPY ABOVE DOOR

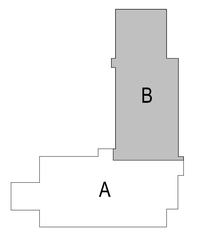
ROOF PLAN LEGEND

- INDICATES WALKWAY PADS
- INDICATES CRICKETS
- # — ROOF AREA
- # — ROOF ASSEMBLY
- ROOF DRAIN WITH OVERFLOW.

ROOF TYPES LEGEND

R-1	ROOF CONSTRUCTION	-EXTERIOR AIR FILM -PVC ROOFING MEMBRANE -1/2" COVER BOARD -2-1/2" POLYISO BOARD INSULATION, ADHERED -3" POLYISO BOARD INSULATION, MECHANICALLY FASTENED -VAPOR BARRIER -5/8" SUBSTATE BOARD -1-1/2" METAL DECK -INTERIOR AIR FILM

LEGEND - ROOF TYPES
12" = 1'-0"



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CITY OF FITCHBURG
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ROOF PLAN - AREA B

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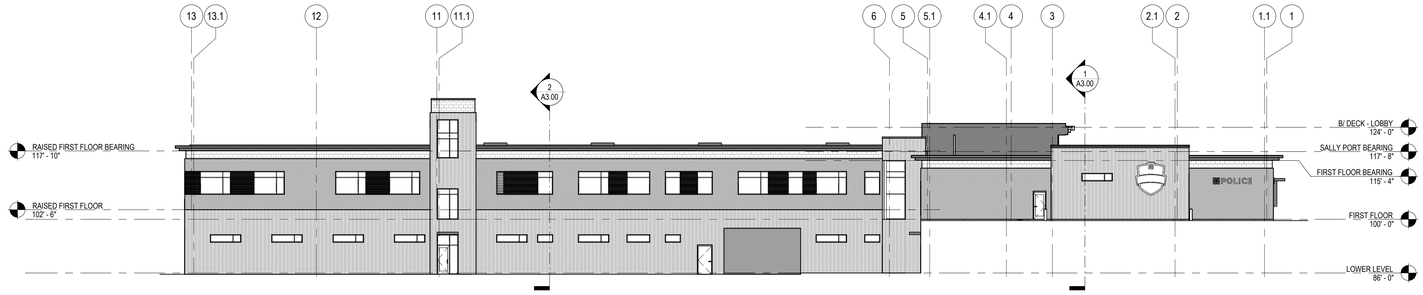
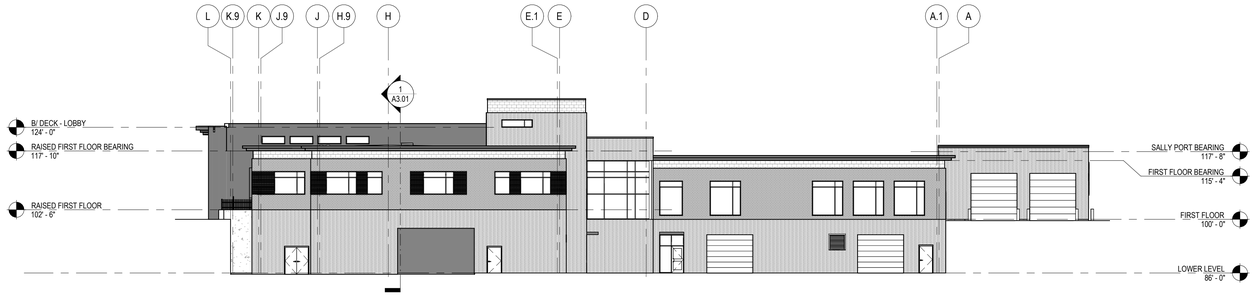
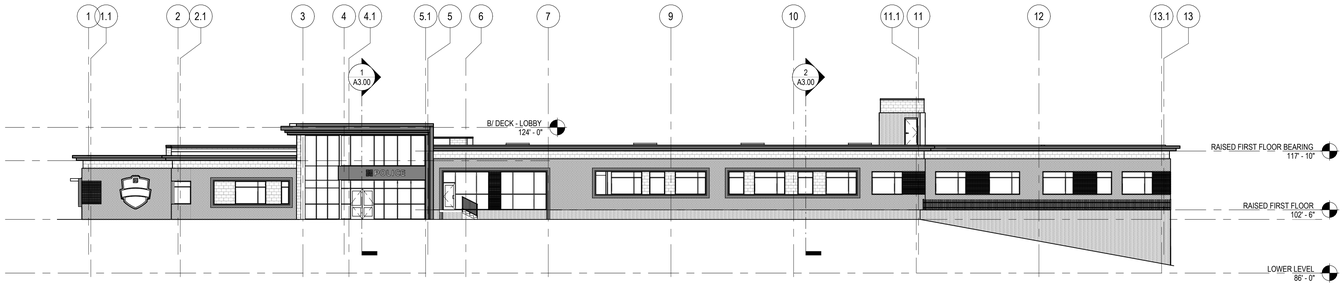


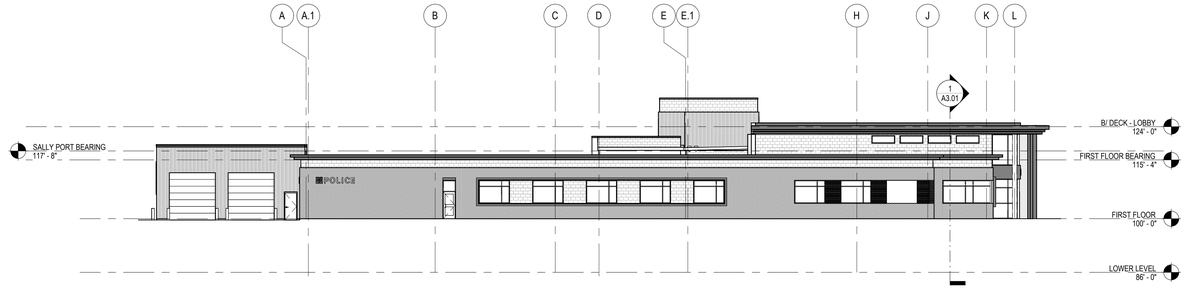
3 EXTERIOR ELEVATION - WEST
1/16" = 1'-0"



4 EXTERIOR ELEVATION - NORTH
1/16" = 1'-0"



1 EXTERIOR ELEVATION - EAST
1/16" = 1'-0"



2 EXTERIOR ELEVATION - SOUTH
1/16" = 1'-0"

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EXTERIOR ELEVATIONS

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EXTERIOR MATERIALS LEGEND

MASONRY VENEER BRICK (DESIGN BASIS)

BR-1 FACE BRICK
- MFR: BELDEN
- SIZE: MODULAR (3 5/8"W x 2 1/4"H x 7 5/8"L)
- COLOR: No. 8632 SMOOTH
- USE: AS BLDG. BRICK VENEER AS INDICATED

BR-2 FACE BRICK
- MFR: BELDEN
- SIZE: NORMAN (3 5/8"W x 2 1/4"H x 11 5/8"L)
- COLOR: DESERT SUN SMOOTH
- USE: AS BLDG. BRICK VENEER AS INDICATED

FORMED METAL WALL PANEL (DESIGN BASIS)

ABBREV. AS SHOWN:

MP-1 METAL PANEL TO BE:
- MFR: MAC METAL ARCHITECTURAL
- STYLE: METAL BLOCK
- COLOR: BRUSHED ZINC
- SIZES: 3 5/8"W x 2 1/4"H x 11 5/8"L

MP-2 METAL PANEL TO BE:
- MFR: ALPOLIC
- STYLE: METAL COMPOSITE MATERIAL
- COLOR: CNC CHARCOAL
- SIZES: VARIES

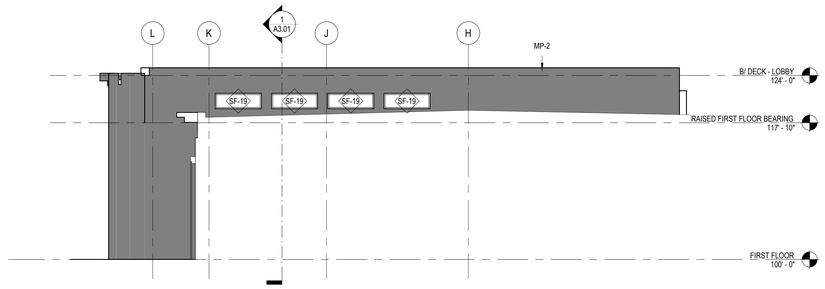
STOREFRONT

STOREFRONT BASIS OF DESIGN TO BE:
- MFR: KAWNEER 451UT
- COLOR: BLACK
- SIZES: SEE ELEVATION

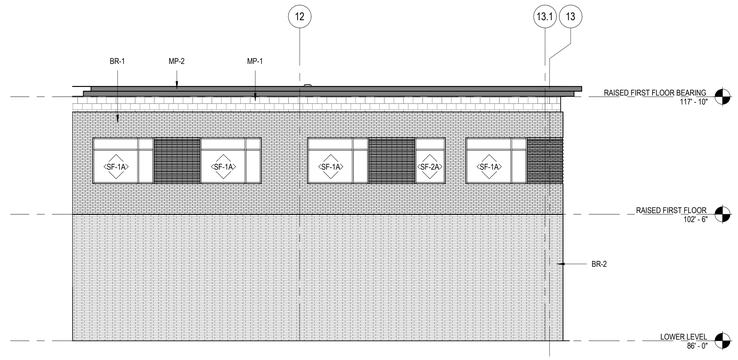
CURTAINWALL BASIS OF DESIGN TO BE:
- MFR: KAWNEER 1620
- COLOR: BLACK
- SIZES: SEE ELEVATION

EXTERIOR ELEVATIONS KEYED NOTES

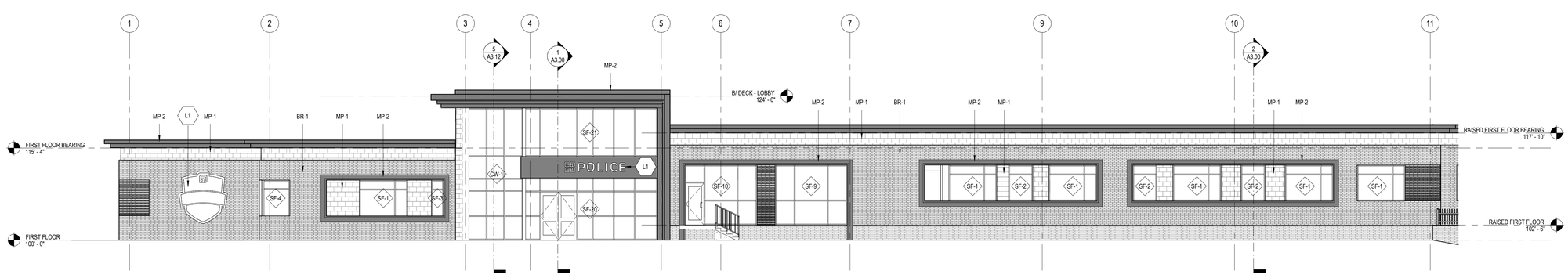
TAG	DESCRIPTION
L1	BACKLIT EXTERIOR METAL SIGNAGE
L2	PREFABRICATED ROOF CANOPY ABOVE DOOR



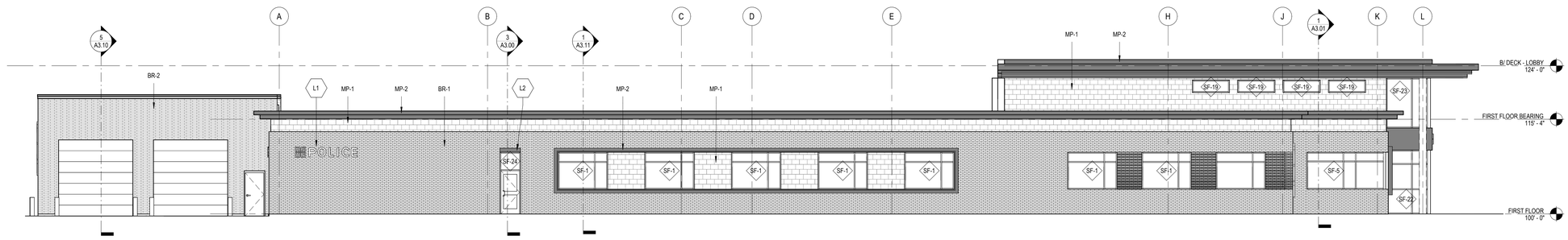
4 ENLARGED EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"



3 ENLARGED EXTERIOR ELEVATION - EAST
1/8" = 1'-0"



2 ENLARGED EXTERIOR ELEVATION - EAST
1/8" = 1'-0"



1 ENLARGED EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"

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ENLARGED EXTERIOR ELEVATIONS

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- SIZE: MODULAR (3 5/8"W x 2 1/4"H x 7 5/8"L)
- COLOR: No. 8632 SMOOTH
- USE: AS BLDG. BRICK VENEER AS INDICATED

BR-2 FACE BRICK
- MFR: BELDEN
- SIZE: NORMAN (3 5/8"W x 2 1/4"H x 11 5/8"L)
- COLOR: DESERT SUN SMOOTH
- USE: AS BLDG. BRICK VENEER AS INDICATED

FORMED METAL WALL PANEL (DESIGN BASIS)

ABBREV. AS SHOWN:

MP-1 METAL PANEL TO BE:
- MFR: MAC METAL ARCHITECTURAL
- STYLE: METAL BLOCK
- COLOR: BRUSHED ZINC
- SIZES: 3 5/8"W x 2 1/4"H x 11 5/8"L

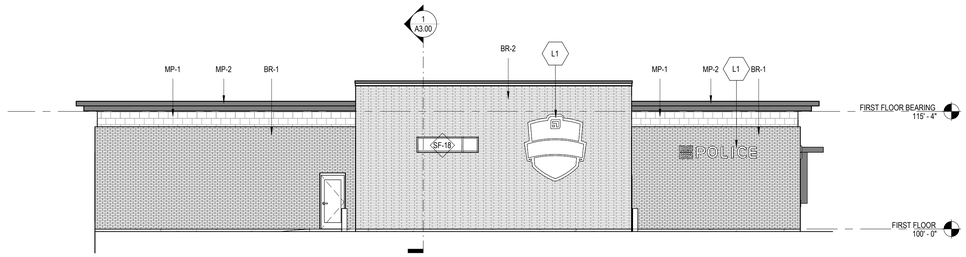
MP-2 METAL PANEL TO BE:
- MFR: ALPOLIC
- STYLE: METAL COMPOSITE MATERIAL
- COLOR: CNC CHARCOAL
- SIZES: VARIES

STOREFRONT

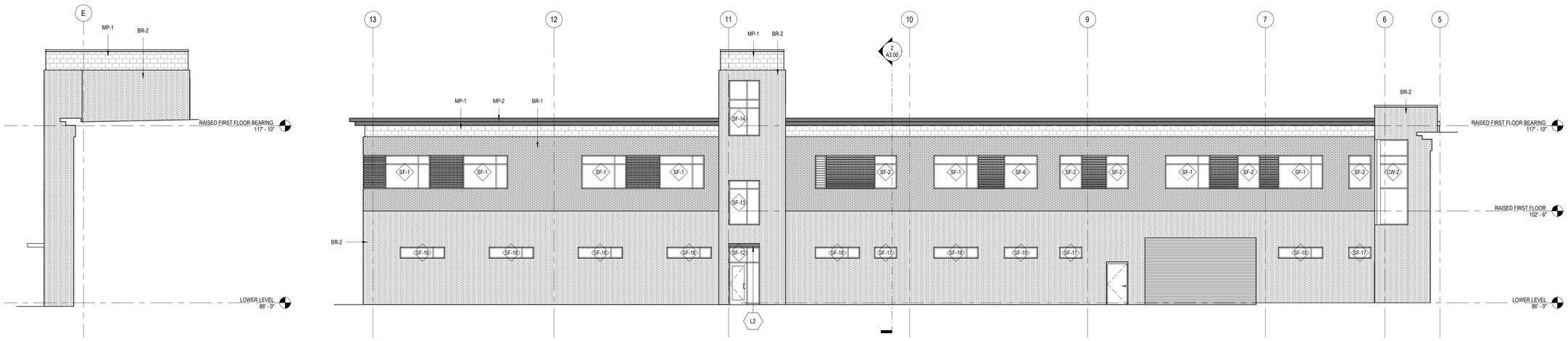
STOREFRONT BASIS OF DESIGN TO BE:
- MFR: KAWNEER 451UT
- COLOR: BLACK
- SIZES: SEE ELEVATION

CURTAINWALL BASIS OF DESIGN TO BE:
- MFR: KAWNEER 1620
- COLOR: BLACK
- SIZES: SEE ELEVATION

EXTERIOR ELEVATIONS KEYED NOTES	
TAG	DESCRIPTION
L1	BACKLIT EXTERIOR METAL SIGNAGE
L2	PREFABRICATED ROOF CANOPY ABOVE DOOR

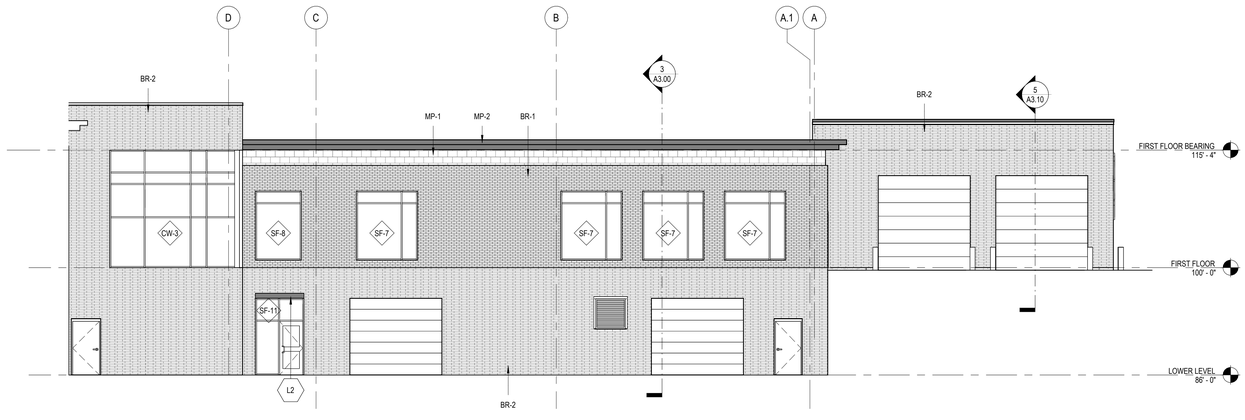


4 ENLARGED EXTERIOR ELEVATION - WEST
1/8" = 1'-0"

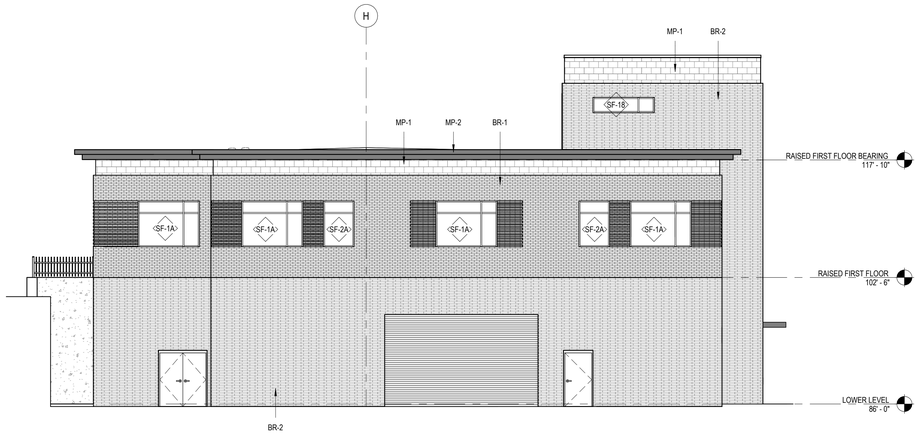


6 ENLARGED EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"

3 ENLARGED EXTERIOR ELEVATION - WEST
1/8" = 1'-0"



2 ENLARGED EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"



1 ENLARGED EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"

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100% DESIGN DEVELOPMENT

ENLARGED EXTERIOR ELEVATIONS

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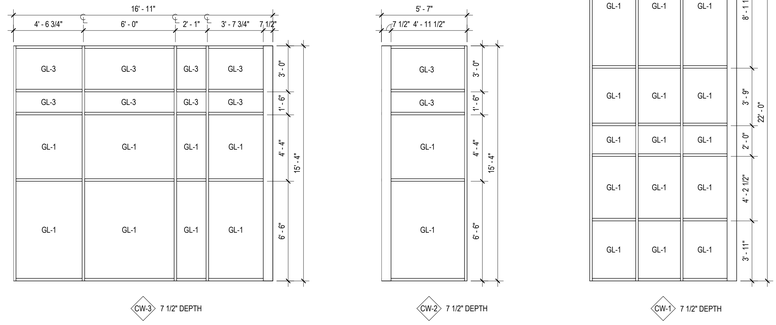
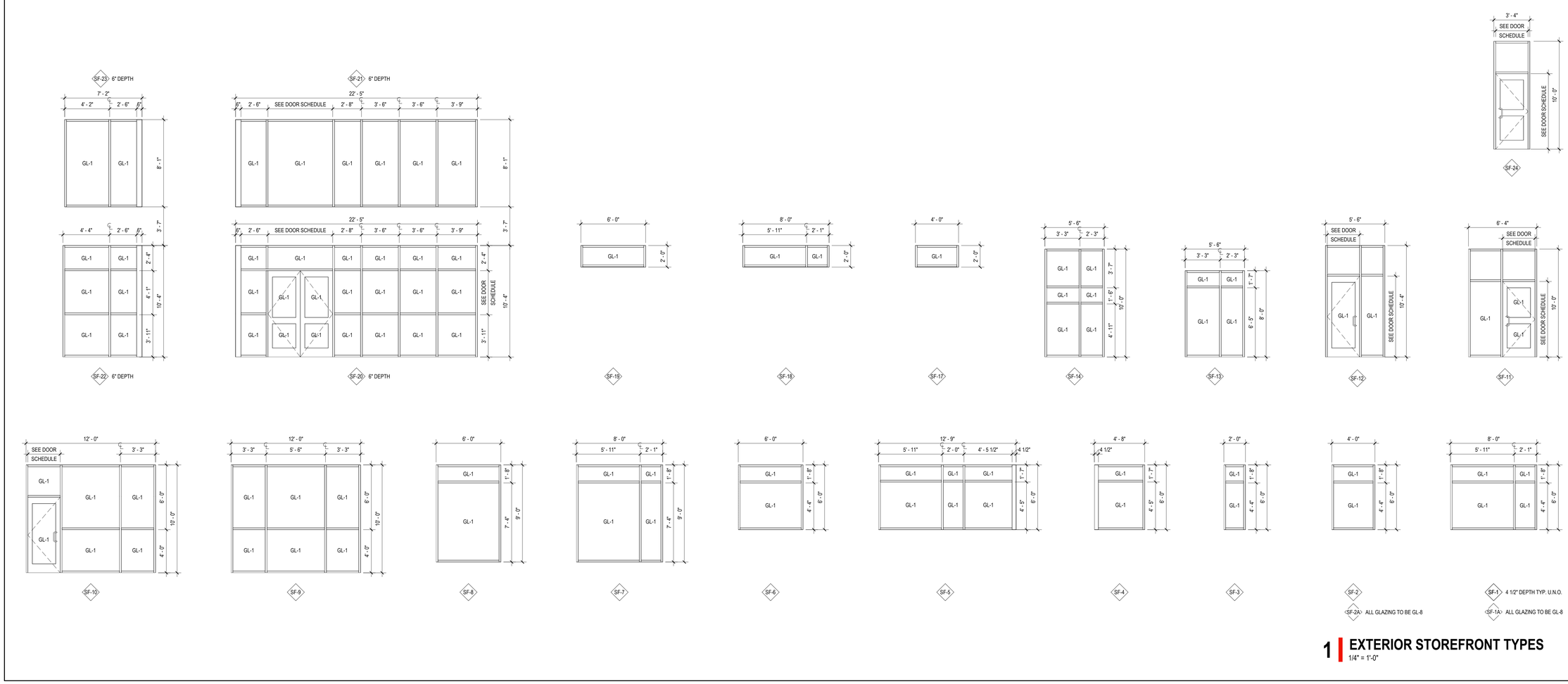
GLASS TYPES LEGEND

GL-1	1" LOW-E INSULATING FULLY TEMPERED GLASS
GL-2	LOW-E INSULATING BULLET RESISTANT SECURITY GLASS (LEVEL 3 UL752 EXTERIOR)
GL-3	1" LOW-E INSULATING FULLY TEMPERED SPANDREL GLASS
GL-4	FIRE-RATED WIRE MESH GLASS
GL-5	5/8" UNCOATED CLEAR FULLY TEMPERED FLOAT GLASS
GL-6	BULLET RESISTANT TRANSLUCENT SECURITY PANEL (LEVEL 2 UL752 INTERIOR)
GL-7	IMPACT AND RIOT RESISTANT GLASS (DETENTION)
GL-8	TRIPLE PANE LOW-E INSULATING FULLY TEMPERED GLASS



2 EXTERIOR CURTAIN WALL TYPES
1/4" = 1'-0"



1 EXTERIOR STOREFRONT TYPES
1/4" = 1'-0"

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CITY OF FITCHBURG
5550 RESEARCH PARK DRIVE, FITCHBURG, WI 53711

100% DESIGN DEVELOPMENT

STOREFRONT & CURTAIN WALL TYPES

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A2.10

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FIRE PROTECTION ABBREVIATIONS

ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AF/SPL	ANTI-FREEZE SPRINKLER LINE
BFP	BACKFLOW PREVENTER
BLDG	BUILDING
CKVA	CHECK VALVE
CLG	CEILING
DN	DOWN
DP/SPL	DRY PIPE SPRINKLER LINE
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVATOR
EQPM	EQUIPMENT
EX	EXISTING
EXH HD	EXHAUST HOOD
FDC	FIRE DEPARTMENT CONNECTION
FDV	FIRE DEPARTMENT HOSE VALVE
FHC	FIRE HOSE CABINET
FL	FIRE LINE
FLR	FLOOR
FPC	FIRE PROTECTION CONTRACTOR
FPTH	FIRE PUMP TEST HEADER
FPTL	FIRE PUMP TEST LINE
FS	FLOW SWITCH
MC	MECHANICAL CONTRACTOR
NIC	NOT IN CONTRACT
ITDV	INSPECTOR'S TEST & DRAIN VALVE
ITDL	INSPECTOR'S TEST & DRAIN LINE
OSD	OPEN SITE DRAIN
PA/SPL	PRE-ACTION SPRINKLER LINE
P.A.S.	PRE-ACTION SYSTEM
PC	PLUMBING CONTRACTOR
PG	PRESSURE GAUGE
PS	PRESSURE SWITCH
RM	ROOM
S.A.R.	SIZE AS REQUIRED
SC/E	SIAMESE CONNECTION/EXPOSED
SC/F	SIAMESE CONNECTION/FLUSH
SC/FS	SIAMESE CONNECTION/FREE-STANDING
SCL	SIAMESE CONNECTION LINE
SHT	SHEET
SPHD	SPRINKLER HEAD
SPKR	SPRINKLER
SPL	SPRINKLER LINE/WET PIPE
STP	STAND PIPE
VTS	VALVE WITH TAMPER SWITCH
VCL	VALVE CHAINED & LOCKED

* NOTE *

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

FIRE PROTECTION SYMBOLS:

- F — FIRE LINE
- DP/SP — DRY PIPE SPRINKLER SYSTEM
- ITD — INSPECTORS TEST DRAIN LINE
- PA/SP — PRE-ACTION SPRINKLER SYSTEM
- SP — WET PIPE SPRINKLER SYSTEM
- FDC — FIRE DEPARTMENT CONNECTION LINE
- CONCEALED SPRINKLER HEAD
- PENDENT SPRINKLER HEAD
- PENDENT HEAD W/ CAGE
- PENDENT DRY SPRINKLER HEAD
- PENDENT HIGH TEMP
- SIDEWALL SPRINKLER HEAD
- SIDEWALL CONCEALED HEAD
- UPRIGHT SPRINKLER HEAD
- CONNECT TO EXISTING
- EXISTING TO BE REMOVED
- # — KEYED NOTE
- MEDICAL EQUIPMENT TAG

48/18 SA — OBSTRUCTION FROM DUCTWORK 48" AND GREATER

- CHECK VALVE
- ALARM CHECK VALVE
- TAMPER DETECTION VALVE
- DRY PIPE VALVE
- INDICATING BUTTERFLY VALVE
- POST INDICATOR VALVE
- VALVE NONRISING STEM
- OS&Y VALVE
- PREACTION VALVE
- HORN/STROBE
- FIRE DEPARTMENT CONNECTION
- RISER
- DOUBLE CHECK (OS&Y)
- DOUBLE CHECK (BUTTERFLY W/ TAMPER)
- REDUCED PRESSURE ZONE
- X — EQUIPMENT TAG
- FDC WALL CONNECTION
- FDC FREE STANDING
- FIRE DEPARTMENT HOSE VALVE
- FIRE DEPARTMENT FLOOR VONE CONTROL VALVE

SPRINKLER HEAD SCHEDULE

STYLE	LINKAGE TYPE	FINISH	QUICK RESPONSE	STANDARD RESPONSE	EXTENDED COVERAGE	MIN. TEMP. RATING (°F)	MISC. REQUIRED	AREA(S) TO BE INSTALLED
CONCEALED	GLASS	2	●	O	O	155	WHITE COVER PLATE	ALL AREAS WITH FINISHED CEILING
RECESSED PENDENT	GLASS	1	●	O	O	155	RECESSED ESCUTCHEON TO MATCH FINISH	ALL AREAS WITH FINISHED CEILING
UPRIGHT/ PENDENT	GLASS	2	●	O	O	155	-	ALL AREAS WITHOUT CEILINGS
UPRIGHT OR PENDENT	GLASS	2	●	O	O	155	WIRE GUARD	GYMNASIUM, TECHNOLOGY, AND ELECTRICAL EQUIPMENT ROOMS
HORIZONTAL OR VERTICAL SIDEWALL	GLASS	2	●	O	O	212	-	ELEVATOR PIT
UPRIGHT	GLASS	2	●	O	O	212	-	TOP OF ELEVATOR, HOISTWAY AND ELEVATOR EQUIP. RM
RECESSED DRY PENDENT	GLASS	1	●	O	O	155	RECESSED ESCUTCHEON TO MATCH FINISH	VESTIBULES, FREEZERS/COOLERS, ENTRY VESTIBULES

FINISHES
1. CHROME PLATE
2. BRASS
3. WHITE
4. BLACK
5. OTHER:

O NOT APPLICABLE
● APPLICABLE

SYSTEM DESIGN SCHEDULE

HAZARD CLASSIFICATION	DENSITY/AREA	SPACING MAX. HD.	HOSE DEMAND	OCCUPANCY
LIGHT	0.10 GPM/1500 S.F.	225 S.F 130 S.F	100 GPM	LIBRARIES OFFICES CAFETERIA CLASSROOMS PUBLIC AREAS LOCKER ROOMS STAFF WORK AREAS SHELL SPACE
ORDINARY/GROUP 1	0.15 GPM/1500 S.F.	130 S.F	250 GPM	LAUNDRY KITCHEN MECHANICAL EQUIP. ROOM W/O GAS-FIRED EQUIP EXTERIOR CANOPY STORAGE UP TO 8 FEET JANITOR CLOSETS ELEVATOR EQUIPMENT ELECTRICAL EQUIPMENT COMMUNICATION EQUIPMENT LARGE OPEN AREAS
ORDINARY/GROUP 2	0.20 GPM/1500 S.F.	130 S.F.	250 GPM	STORAGE, UP TO 12 FEET SHOP AREAS MECHANICAL EQUIP. ROOM WITH GAS-FIRED EQUIP.

FIRE PROTECTION GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK.
2. REFER TO PROJECT MANUAL FOR SPECIFICATIONS AND CONTRACT REQUIREMENTS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR THE NEW CEILING WORK. REFERENCE THE MECHANICAL AND ELECTRICAL DRAWINGS FOR LIGHTS, GRILLES.
4. PROPER PRECAUTION SHALL BE TAKEN TO KEEP THE BUILDING CLEAN OF DUST, DIRT, AND CONSTRUCTION DEBRIS.
5. MODIFY EXISTING PIPING AS REQUIRED FOR NEW SPRINKLER HEAD LOCATIONS WITHIN RENOVATION AREAS.
6. FIRE PROTECTION SYSTEMS LOCATED OUTSIDE OF THE CURRENT CONSTRUCTION PHASE OR AREA SHALL BE OPERATIONAL AT THE END OF EACH WORK DAY, UNLESS APPROVED BY THE OWNERS REPRESENTATIVE.
7. SEPARATION OF THE FIRE PROTECTION ZONES SHALL BE MAINTAINED. REMODELED AREAS SHALL BE PROTECTED BY THE FIRE PROTECTION ZONE CURRENTLY SERVING THE EXISTING AREA.
8. MODIFY EXISTING PIPING AS REQUIRED TO COORDINATE WITH WORK OF OTHER CONTRACT DIVISIONS.
9. VERIFY EXISTING FIRE PROTECTION PIPING LOCATIONS, SIZES, AND HYDRAULIC FLOW DATA AS REQUIRED FOR SCOPE OF WORK.
10. COMPLY WITH NFPA 13 FOR COVERAGE AND DENSITY, UNLESS INDICATED OTHERWISE IN THE SYSTEM DESIGN SCHEDULE ON THE DRAWINGS.
11. FIRE STOPPING SHALL COMPLY WITH THE REQUIREMENTS OF DIVISION 1.
12. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES, SIZES, CAPACITIES, ACCESSORIES, SEQUENCES, MATERIALS, MEANS AND METHODS, PERFORMANCE, FABRICATION PROCESSES, AND TECHNIQUES OF CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THAT OF OTHER TRADES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DESIGN/BUILD CHANGES, EQUIPMENT SUBSTITUTIONS, AND VALVE ENGINEERING CHANGES PREFORMED BY THE CONTRACTOR.
13. SEAL ALL PIPING PENETRATIONS AIR TIGHT THRU WALLS, FLOORS, OR PARTITIONS IDENTIFIED AS SOUND WALLS, SMOKE TIGHT WALLS, FIRE BARRIERS, SMOKE BARRIERS, SHAFTS OR FIRE RATED CONSTRUCTION INDICATED ON THE ARCHITECTURAL LIFE SAFETY DRAWINGS. MAINTAIN ALL DESIGNATED FIRE RATINGS, SMOKE RATINGS AND UL LISTINGS.
14. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE CODES.
15. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
16. PRIOR TO STARTING WORK, SUBMIT SHOP DRAWINGS FOR ALL FIRE PROTECTION EQUIPMENT AND SPRINKLERS.
17. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS REQUIRED.

FIRE PROTECTION SYSTEM DESCRIPTION:

1. FIRE PROTECTION CONTRACTOR SHALL DESIGN, FURNISH AND INSTALL A WET FIRE SUPPRESSION SYSTEM IN ACCORDANCE TO THE CONTRACT SCOPE DOCUMENTS, THE LATEST EDITIONS OF NFPA 13 & 14, AND THE LOCAL AHJ.
2. THIS PROJECT IS A SINGLE PHASE PROJECT.
3. A NEW WATER SERVICE WILL BE PROVIDED BY OTHERS. THE CONNECTION FOR THE FIRE SUPPRESSION SYSTEM WILL BE AT THE WATER SERVICE ENTRANCE LOCATED IN THE MECHANICAL ROOM.
4. SPECIAL ATTENTION SHOULD BE PROVIDED IN SPACES OF ARCHITECTURAL IMPORTANCE TO PROVIDE AN AESTHETICALLY PLEASING ENVIRONMENT WHILE CONFORMING WITH NFPA GUIDELINES. DILIGENT COORDINATION BETWEEN TRADES IS REQUIRED.
5. PROVIDE (MANUAL/AUTOMATIC) WET STANDPIPES WITH FDV ON MAIN STAIR LANDINGS UNLESS AHJ REQUIRES THEM ON THE INTERMEDIATE LANDINGS.

SYSTEM IMPAIRMENTS FOR FIRE PROTECTION:

1. REFER TO IMPAIRMENT REQUIREMENTS AND APPLICABLE NFPA STANDARDS.
2. LOCK OUT/TAG OUT PROCEDURES WILL BE REQUIRED.
3. A PREPLANNING MEETING MAY BE REQUIRED AT THE DISCRETION OF CONSTRUCTION REPRESENTATIVE. ATTENDEES WOULD INCLUDE THE CONSTRUCTION REPRESENTATIVES, AS WELL AS THE BUILDING MANAGER AND AFFECTED OCCUPANTS.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE FOLLOWING INFORMATION PRIOR TO IMPAIRMENT:
   - THE EXPECTED EXTENT AND DURATION OF IMPAIRMENT.
   - THE AREAS AND/OR SYSTEMS INVOLVED.
   - RECOMMENDATIONS FOR MINIMIZING THE RISK DURING IMPAIRMENT.
   - CONFIRMATION THAT ALL TOOLS, EQUIPMENT AND MATERIALS NEEDED HAVE BEEN ASSEMBLED AND ARE READY IN THE WORK AREA.
   - FIRE EXTINGUISHERS OR OTHER MEANS OF FIRE SUPPRESSION ARE PROVIDED IN THE WORK AREA.
5. ALL NEW WORK TO BE CONNECTED TO EXISTING SYSTEMS MUST BE IN PLACE AS CLOSE AS POSSIBLE TO THE POINT OF CONNECTION TO THE EXISTING SYSTEM.
6. ANY STEPS THAT CAN BE TAKEN TO MINIMIZE THE DURATION OF IMPAIRMENTS MUST BE TAKEN.

FIRE PROTECTION SHEET INDEX

F0.00	FIRE PROTECTION TITLE SHEET
F1.00	LOWER LEVEL FIRE PROTECTION PLAN - OVERALL
F1.01	FIRST FLOOR FIRE PROTECTION PLAN - OVERALL
F5.00	FIRE PROTECTION DETAILS & SCHEDULES

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FIRE PROTECTION TITLE SHEET

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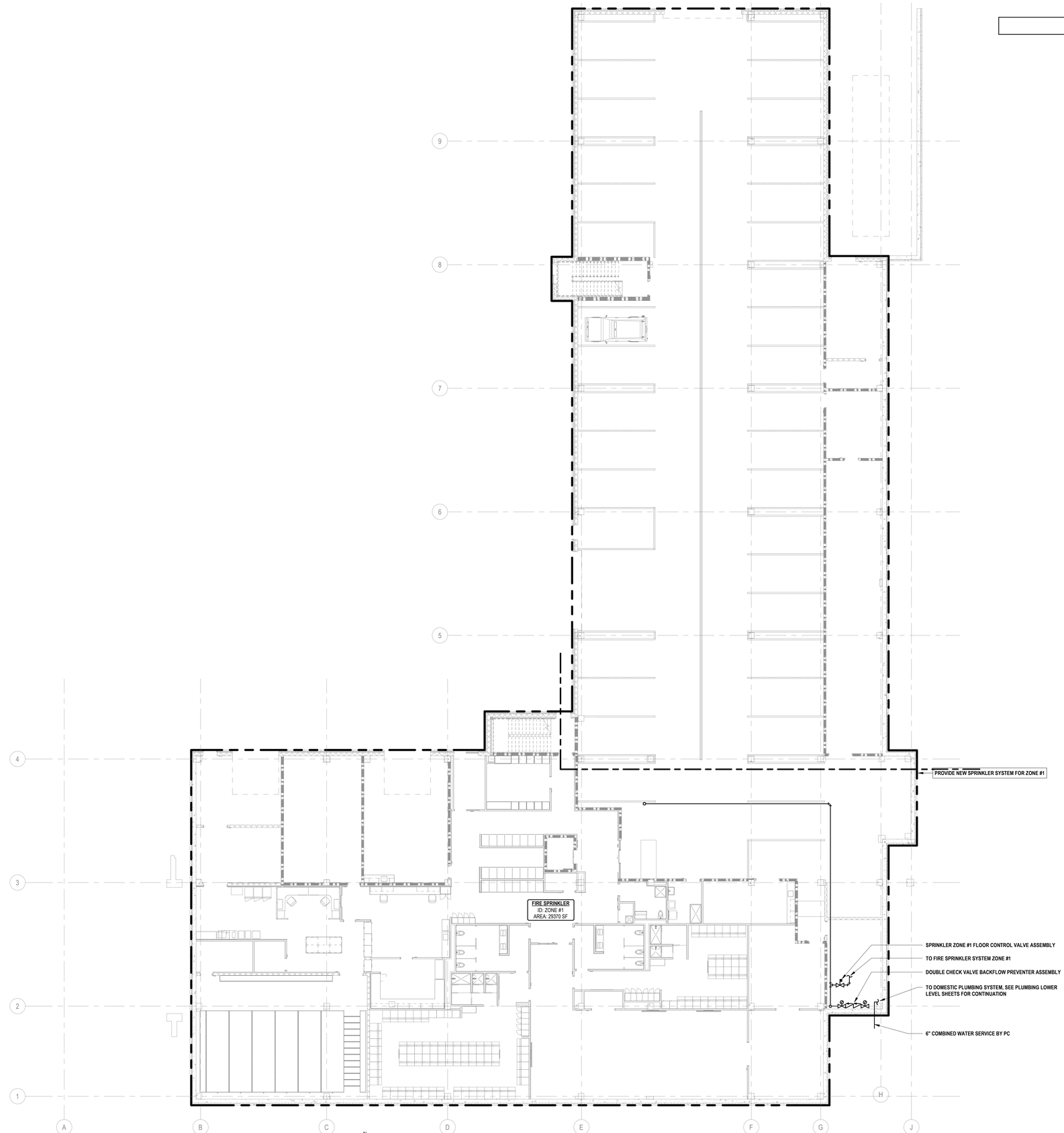

KEYNOTES

1 OVERALL LOWER LEVEL FIRE PROTECTION PLAN

3/32" = 1'-0"

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LOWER LEVEL FIRE PROTECTION PLAN - OVERALL

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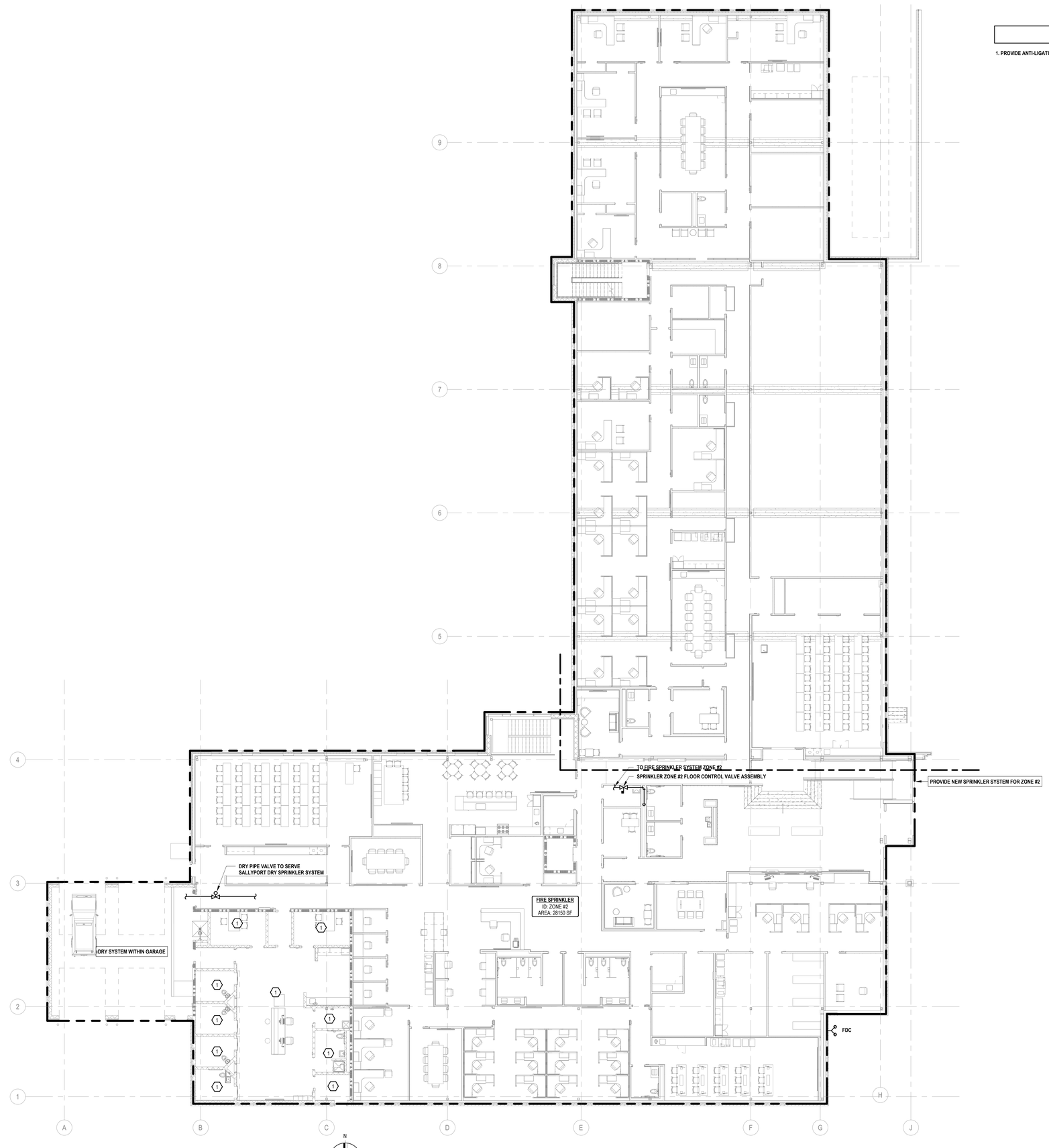

1 OVERALL FIRST FLOOR FIRE PROTECTION PLAN

3/32" = 1'-0"

KEYNOTES

1. PROVIDE ANTI-LIGATURE SPRINKLER HEADS.

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FIRST FLOOR FIRE PROTECTION PLAN - OVERALL

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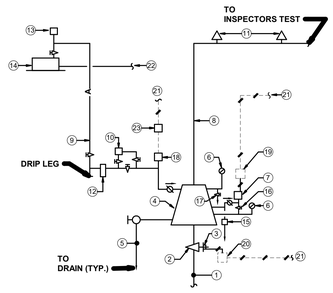


NOTE:
DRY PIPE SYSTEM EXCEEDING 500 GALLONS SHALL BE EQUIPPED WITH ACCELERATOR TRIM INCLUDING AN ACCELERATOR AND ANTI-FLOOD DEVICE (NOT SHOWN).

BY F.P. CONTRACTOR

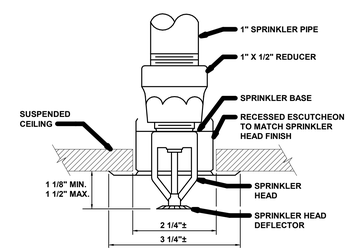
1. WATER SUPPLY (S.A.R.)
2. WATER SUPPLY CONTROL VALVE
3. TAMPER SWITCH
4. DRY PIPE VALVE
5. VALVED MAIN DRAIN
6. PRESSURE GAUGE
7. FLOW INDICATOR PRESSURE SWITCH
8. SUPPLY PIPING (S.A.R.) TO SPRINKLERS
9. AIR SUPPLY FROM AIR COMPRESSOR
10. AIR MAINTENANCE DEVICE
11. CLOSED SPRINKLER HEADS
12. DEHYDRATOR
13. COMPRESSOR ON/OFF CONTROL SWITCH
14. AIR COMPRESSOR
15. DRIP CHECK VALVE
16. ALARM TEST VALVE
17. PRIMING WATER TEST VALVE
18. LOW AIR PRESSURE SWITCH

BY ELEC. CONTRACTOR

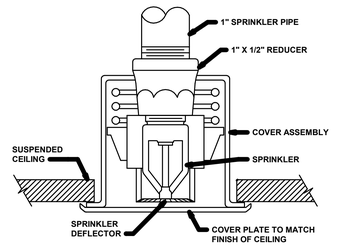
19. FIRE ALARM SYSTEM INTERFACE FOR FLOW PRESSURE SWITCH (ALARM)
20. FIRE ALARM SYSTEM INTERFACE FOR TAMPER SWITCH (SUPERVISORY)
21. TO BLDG. FIRE ALARM SYSTEM
22. 120V POWER
23. FIRE ALARM SYSTEM INTERFACE FOR LOW AIR PRESSURE (TROUBLE) (S.A.R. - SIZE AS REQUIRED)

SYSTEM COMPONENT BY F.P. CONTRACTOR
SYSTEM COMPONENT BY ELECTRICAL CONTRACTOR
WIRING BY ELECTRICAL CONTRACTOR (S.A.R.-SIZE AS REQUIRED)

2 DRY PIPE VALVE ASSEMBLY SCHEMATIC DETAIL
NOT TO SCALE



6 RECESSED SPRINKLER HEAD DETAIL
NOT TO SCALE



3 CONCEALED SPRINKLER HEAD DETAIL
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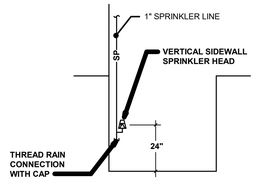

7 SPRINKLER HEAD IN ELEVATOR PIT DETAIL
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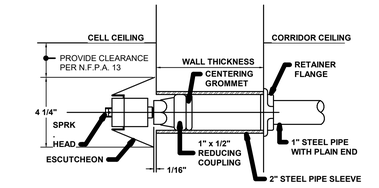
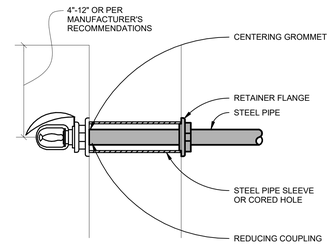
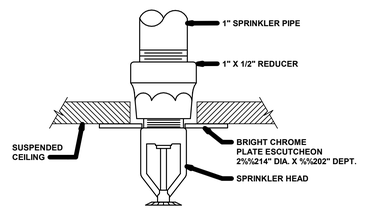


4 INSTITUTIONAL SIDEWALL SPRINKLER HEAD INSTALLATION DETAIL
NOT TO SCALE



1 SIDEWALL SPRINKLER HEAD DETAIL
NOT TO SCALE



5 PENDENT SPRINKLER HEAD DETAIL
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