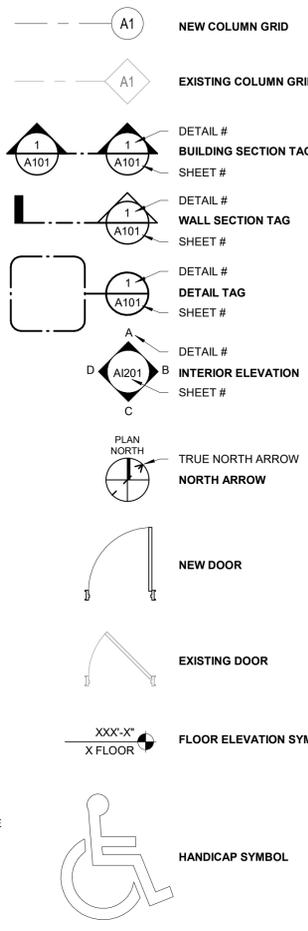


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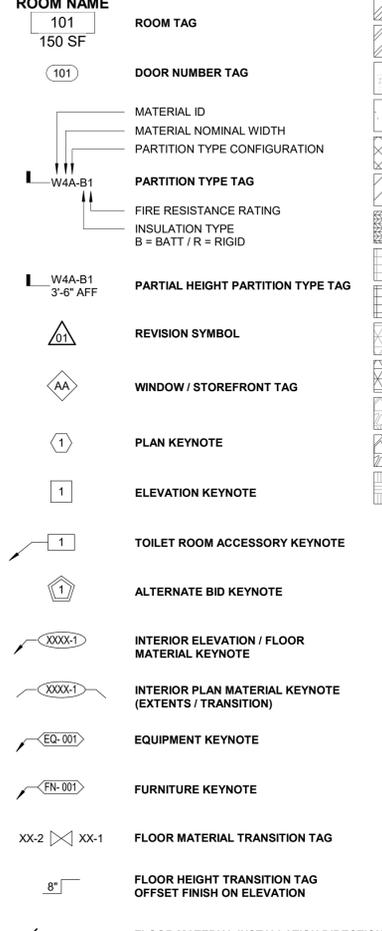
NOTE: ANY ABBREVIATIONS APPEARING IN THESE DOCUMENTS WHICH ARE NOT LISTED BELOW SHALL BE VERIFIED AND CONFIRMED WITH THE ARCHITECT PRIOR TO CONSTRUCTION

Table of abbreviations including AB (Anchor Bolt), ACT (Acoustical Ceiling Tile), ADA (Americans with Disabilities Act), etc., with their corresponding full names.

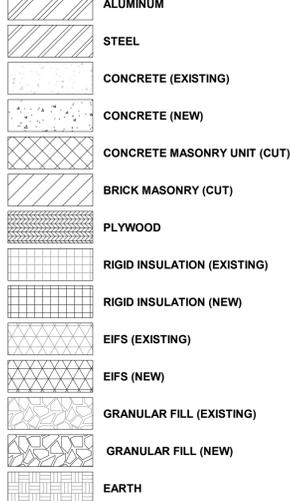
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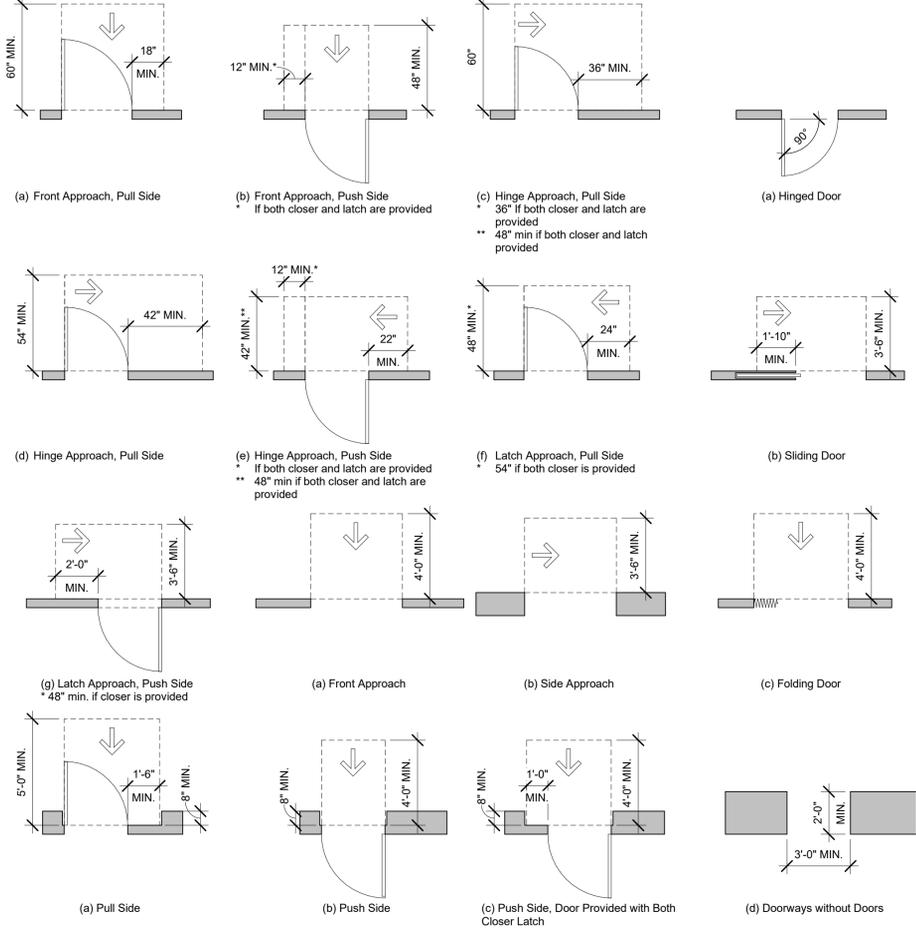
ARCHITECTURAL TAGS & KEYNOTES:



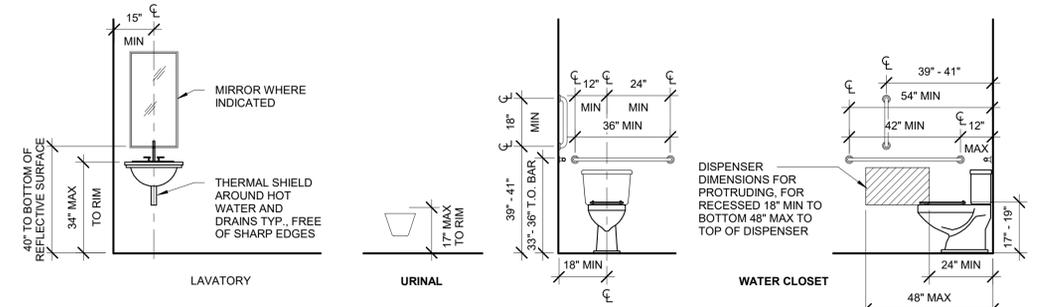
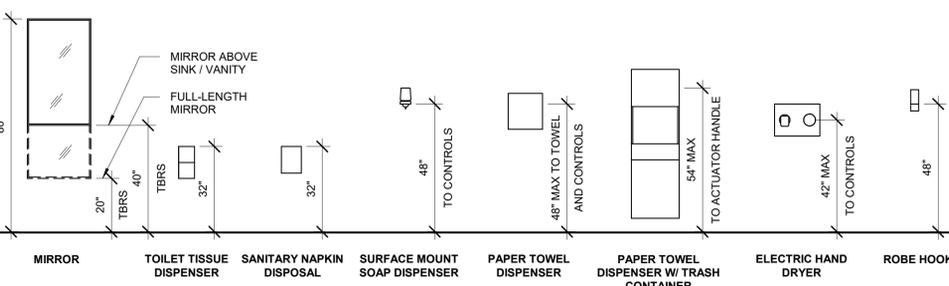
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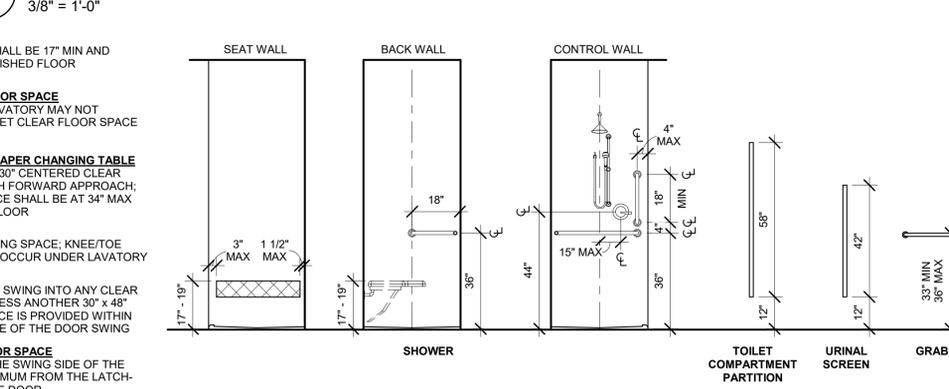
CLEARANCES AT MANUAL DOOR SWINGS:



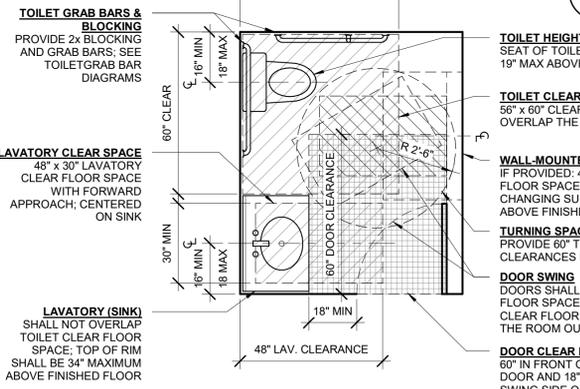
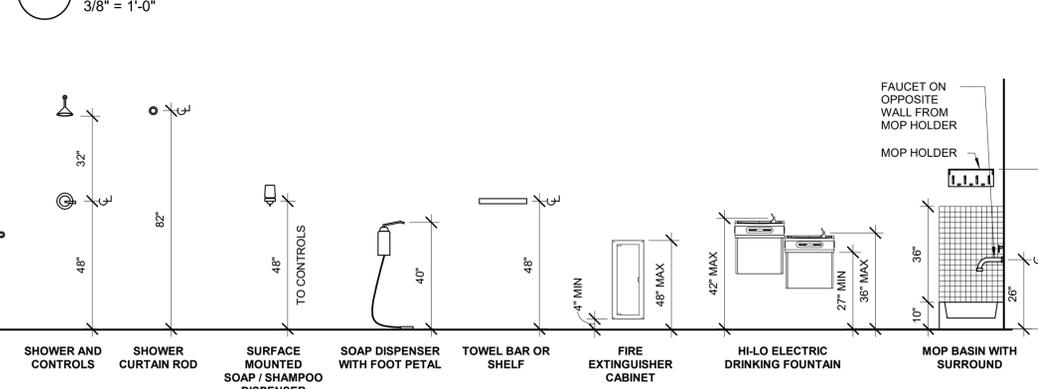
NOTE: THE INFORMATION ON THIS SHEET IS FOR ILLUSTRATIVE PURPOSES AND TO PROVIDE EASE OF ACCESS TO INFORMATION FOR THE GC AND SUB-CONTRACTORS. IT IS THE RESPONSIBILITY OF THE GC AND SUB-CONTRACTORS TO BE KNOWLEDGEABLE OF THE FAIR HOUSING ACT GUIDELINES (FFHAG), THE AMERICANS WITH DISABILITIES ACT GUIDELINES (ADAAG), AND THE AMERICAN NATIONAL STANDARDS INSTITUTE GUIDELINES (ANSI A117.1) TO EXECUTE THEIR WORK IN COMPLIANCE WITH THESE GUIDELINES.



COMMERCIAL TOILET ROOM ACCESSORY MOUNTING HEIGHTS



COMMERCIAL TOILET ROOM FIXTURES



SINGLE STALL RESTROOM CLEARANCES



COMMERCIAL PLUMBING FIXTURE AND ACCESSORY MOUNTING HEIGHTS



Project Status table with columns for dates and status.

PROJ. #: 22040-01 © SKETCHWORKS ARCHITECTURE 2022

SYMBOLS & ABBREVIATIONS

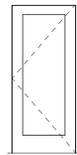
DOOR SCHEDULE

MARK	NOMINAL DOOR SIZE (W x H x THK)	DOOR PANEL			FRAME			DOOR HARDWARE	WALL FIRE RATING	REMARKS
		TYPE	MATERIAL	FINISH	GLAZING	TYPE	MATERIAL			
100A	3'-0" x 7'-0" x 1 3/4"	A	HM	PT	---	A	HM	PT	NA	
100B	14'-0" x 14'-0" x 2"	C	MANF	---	---	NA	---	NA	NA	
100C	3'-0" x 7'-0" x 1 3/4"	A	HM	PT	---	A	HM	PT	NA	
100D	14'-0" x 14'-0" x 2"	C	MANF	---	---	NA	---	NA	NA	
100E	3'-0" x 7'-0" x 1 3/4"	A	HM	PT	---	A	HM	PT	NA	
100F	14'-0" x 16'-0" x 2"	C	MANF	---	---	NA	---	NA	NA	
100G	11'-8" x 11'-0" x 2"	D	MANF	---	---	NA	---	NA	NA	
101A	3'-0" x 7'-0" x 1 3/4"	A	HM	PT	---	A	HM	PT	NA	
101B	3'-0" x 7'-0" x 1 3/4"	A	HM	PT	---	A	HM	PT	NA	
102	3'-0" x 7'-0" x 1 3/4"	B	WD	ST	CL-1	A	HM	PT	NA	
103	3'-0" x 7'-0" x 1 3/4"	A	WD	ST	---	A	HM	PT	NA	
104	3'-0" x 7'-0" x 1 3/4"	A	WD	ST	---	A	HM	PT	NA	
105	3'-0" x 7'-0" x 1 3/4"	B	WD	ST	CL-1	A	HM	PT	NA	
106	3'-0" x 7'-0" x 1 3/4"	A	WD	ST	---	A	HM	PT	NA	
107	3'-0" x 7'-0" x 1 3/4"	A	WD	ST	---	A	HM	PT	NA	
108	3'-0" x 7'-0" x 1 3/4"	A	WD	ST	---	A	HM	PT	NA	

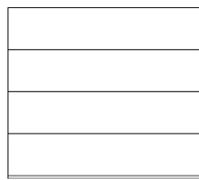
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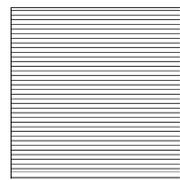
DOOR TYPE 1
SINGLE LEAF SWING
FLUSH DOOR



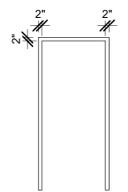
DOOR TYPE 1
SINGLE LEAF SWING
FLUSH DOOR



DOOR TYPE 2
OVERHEAD SECTIONAL DOOR



DOOR TYPE 3
OVERHEAD ROLL-UP DOOR



DOOR FRAME TYPE A
SINGLE

DOOR ELEVATIONS

1/4" = 1'-0"

DOOR SCHEDULE REMARKS

NO.	REMARK
1	
2	
3	

DOOR SCHEDULE LEGEND

ABBREVIATION	TERM
ALUM	ALUMINUM
ETR	EXISTING TO REMAIN
HC WD	HOLLOW CORE WOOD
HM	HOLLOW METAL
INS MTL	INSULATED METAL
MANF	MANUFACTURER
PT	PAINT
SC WD	SOLID CORE WOOD
SST	STAINLESS STEEL
ST	STAIN

DOOR HARDWARE SCHEDULE

NO.	QTY	HARDWARE	MANUFACTURER	MODEL	FINISH
LOCKS/SETS					
L-1	1	RESTROOM PRIVACY LOCK SET			
L-2	1	STORAGE LOCK SET			
L-3	1	OFFICE LOCK SET			
L-4	1	CLASSROOM LOCK SET			
L-5	1	FLUSH BOLT AT HEAD ON INACTIVE SIDE			
L-6	1	THUMB TURN			
L-7	1	PUSH			
L-8	1	PULL			
L-9					
L-10					
HINGES					
H-20	3	1 1/2" PAIR HINGES, STANDARD WEIGHT			
H-21	3	1 1/2" PAIR HINGES, HEAVY DUTY			
H-22	6	1 1/2" PAIR HINGES, STANDARD WEIGHT			
H-23					
H-24					
CLOSERS					
C-30	1	CLOSER WITH HOLD OPEN			
C-31	1	CLOSER WITH ARM STOP			
C-32	1	SURFACE CLOSER			
C-33					
C-34					
STOPS					
S-40	1	FLOOR STOP			
S-41	1	WALL STOP			
S-42	1	OVERHEAD STOP			
S-43					
S-44					
OPERATORS					
O-50					
O-51	1	POWER OPERATOR			
O-52					
MISCELLANEOUS					
M-60	1	PEEP HOLE			
M-61	1	KICK PLATE			
M-62					
M-63					

WINDOW SCHEDULE

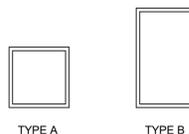
MARK	NOMINAL WIDTH	NOMINAL HEIGHT	SILL HEIGHT	GLAZING TYPE	REMARKS
A	2'-10"	2'-10"	17'-7" AFF	GL-1	1
B	2'-10"	4'-8"	3'-0" AFF	GL-2	-

WINDOW SCHEDULE REMARKS

NO.	REMARK
1	MATCH EXISTING UPPER WINDOW BAND HEIGHT AND DIMENSIONS. FIELD VERIFY
2	
3	

GLAZING TYPE SCHEDULE

MARK	DESCRIPTION
GL-1	1" DOUBLE PANE, LOW-E, CLEAR
GL-2	1" DOUBLE PANE, LOW-E, CLEAR, SAFETY TEMPERED
GL-3	1" DOUBLE PANE, LOW-E, SPANDREL, COLOR: BLACK
GL-4	1/2" SINGLE PANE, CLEAR, SAFETY TEMPERED
GL-5	1/2" SINGLE PANE, ONE-WAY MIRROR, SAFETY TEMPERED, REFLECTIVE SURFACE ON STORE ROOM SIDE



TYPE A TYPE B

WINDOW ELEVATIONS

1/4" = 1'-0"

DOOR GENERAL NOTES:

- A. VERIFY DOOR SIZES FROM DOOR SCHEDULE. VERIFY ALL ROUGH OPENINGS WITH RESPECTIVE MANUFACTURERS.
- B. PROVIDE SAFETY GLAZING PER CODE IN ALL DOORS AND FRAMES.
- C. PROVIDE ACCESSIBLE HARDWARE INCLUDING BUT NOT LIMITED TO DOOR HANDLES, PULLS, LATCHES, LOCKS, OPERATING DEVICES AND THRESHOLDS AT ALL NEW DOORS. REFER TO SECTION 1010.1.9.1 IN 2015 IBC FOR CODE REQUIREMENTS.
- D. REINFORCE ALL DOORS FOR HARDWARE WITH OWNER FOR LOCATION AND REQUIREMENTS OF SPECIAL SECURITY DEVICES.
- E. PAINT HM DOORS AND FRAMES TO MATCH ADJACENT WALL UNLESS NOTED OTHERWISE.
- F. ALL INTERIOR WOOD DOORS TO BE SOLID CORE AND CLEAR STAINED UNLESS NOTED OTHERWISE.
- G. REFER TO SHEET A001 FOR DOOR CLEARANCE REQUIREMENTS.
- H. HARDWARE SCHEDULE IS FOR BASIS OF DESIGN ONLY. SUBJECT TO CHANGE. ANY CHANGES TO THE HARDWARE SCHEDULE OR HARDWARE SELECTION MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL.
- I. DOOR HARDWARE SCHEDULE QUANTITIES ARE PER DOOR AND DO NOT REPRESENT THE QUANTITY REQUIRED FOR ENTIRE PROJECT.

WINDOW GENERAL NOTES:

- A. VERIFY WINDOW SIZES FROM WINDOW SCHEDULE. VERIFY ALL ROUGH OPENINGS WITH RESPECTIVE MANUFACTURERS.
- B. PROVIDE SAFETY GLAZING PER CODE IN ALL WINDOWS AND FRAMES.
- C. PROVIDE ADA HARDWARE AT ALL NEW WINDOWS. REFER TO SECTION 1109.13 IN 2015 IBC FOR CODE REQUIREMENTS.

Sketchworks architecture

NEWCOMB

QUAM ENGINEERING, LLC

ISTHMUS ENGINEERING
 BUILDING EXPANSION
 4035 OWL CREEK DR.
 MADISON, WI 53718

Project Status

04.15.2022 SCHEMATIC

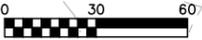
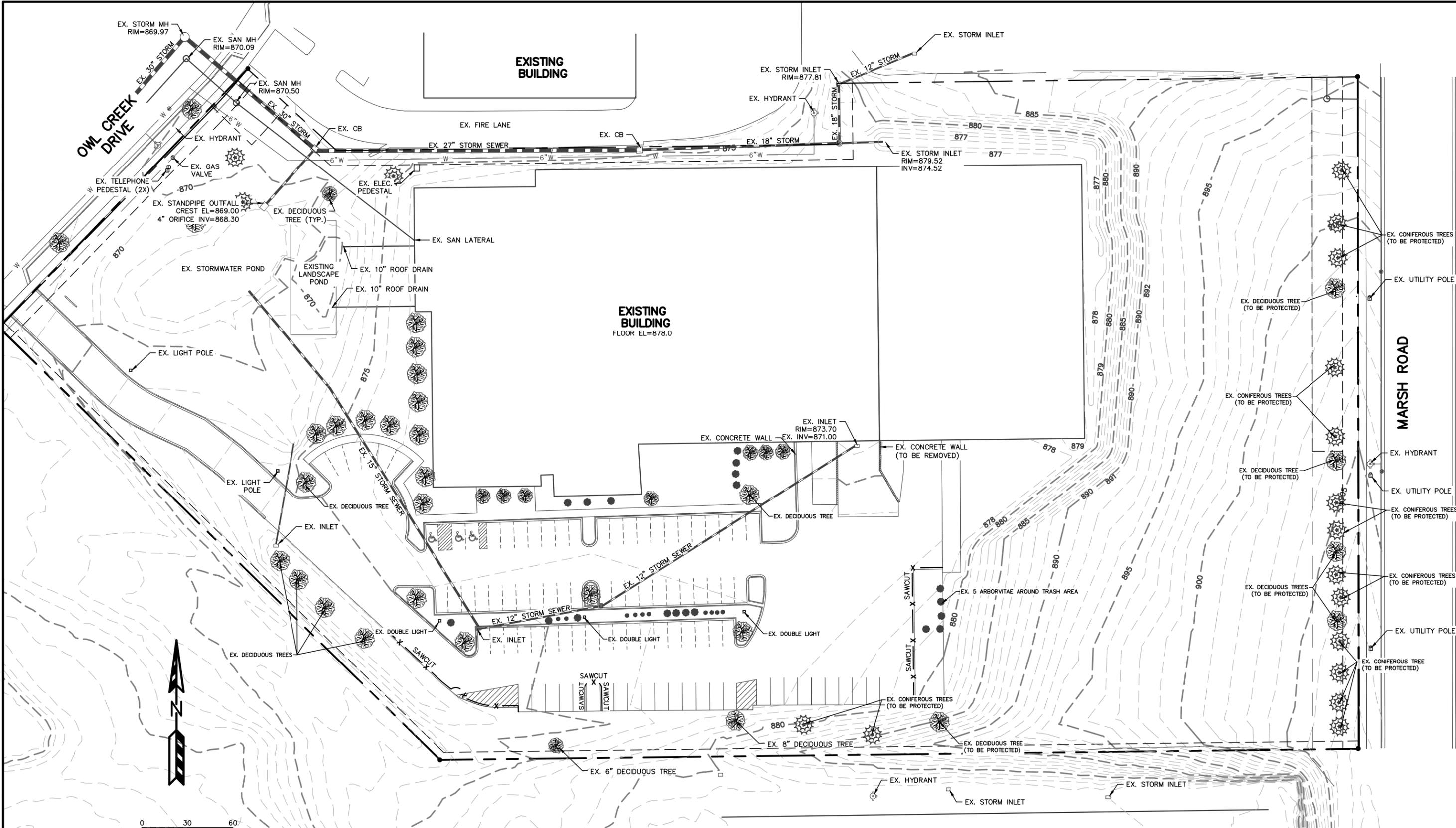
PROJ. #: 22040-01

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DOOR AND WINDOW SCHEDULES

A601

PRELIMINARY



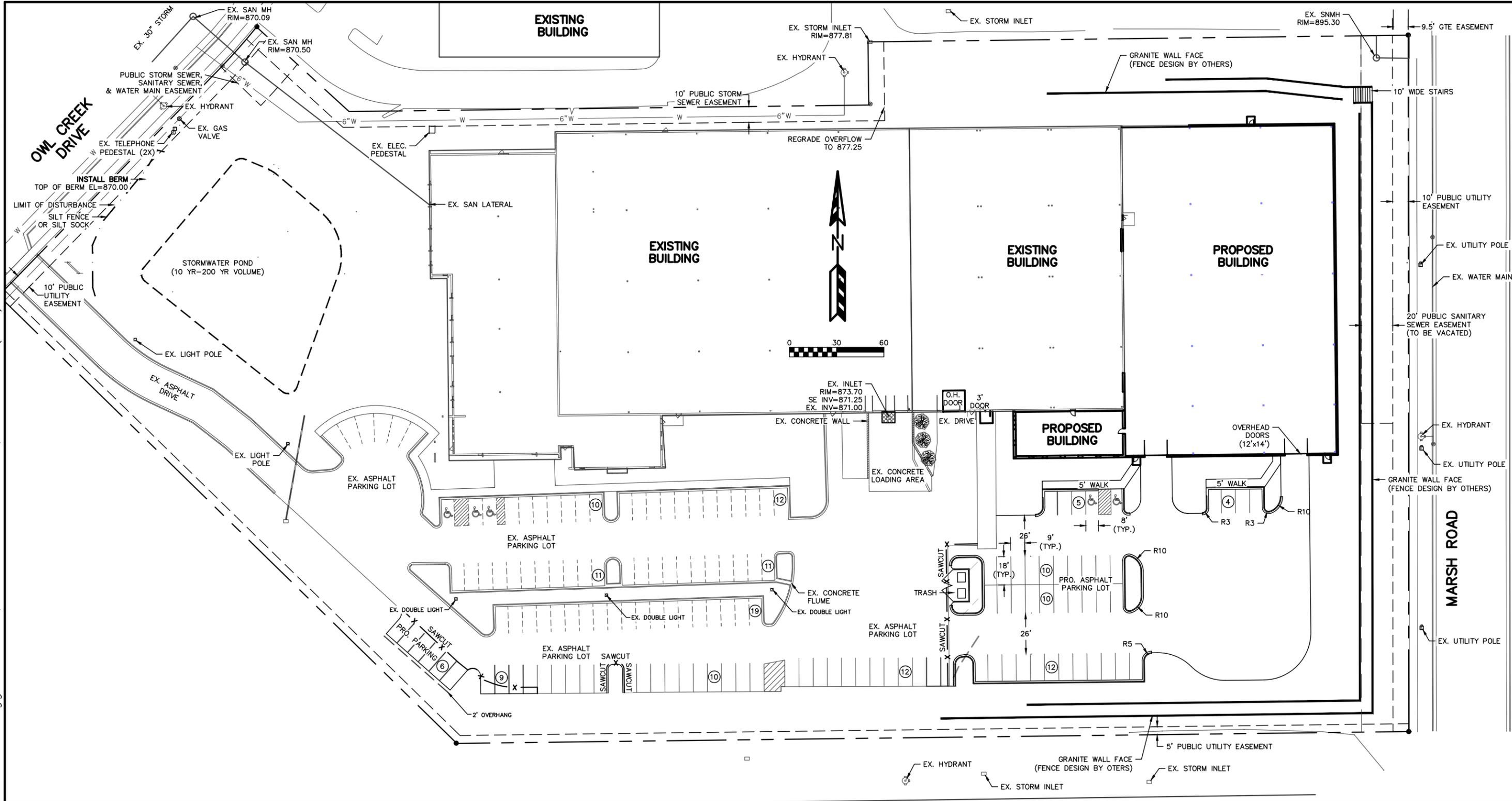
EXISTING BUILDING

ISTHMUS ENGINEERING BUILDING ADDITION
 EXISTING SITE PLAN
 SHEET: C-1
 DATED: JUNE 13, 2022



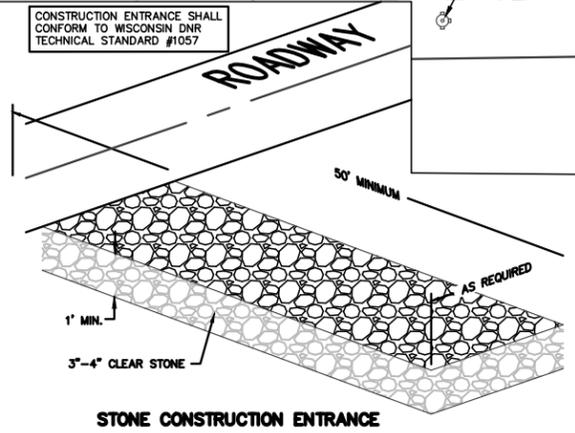
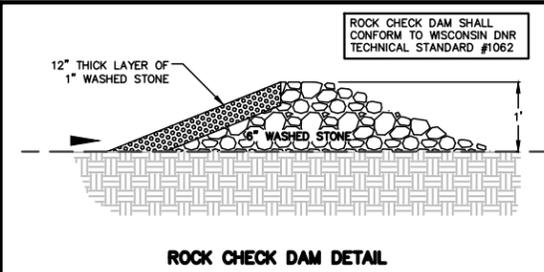
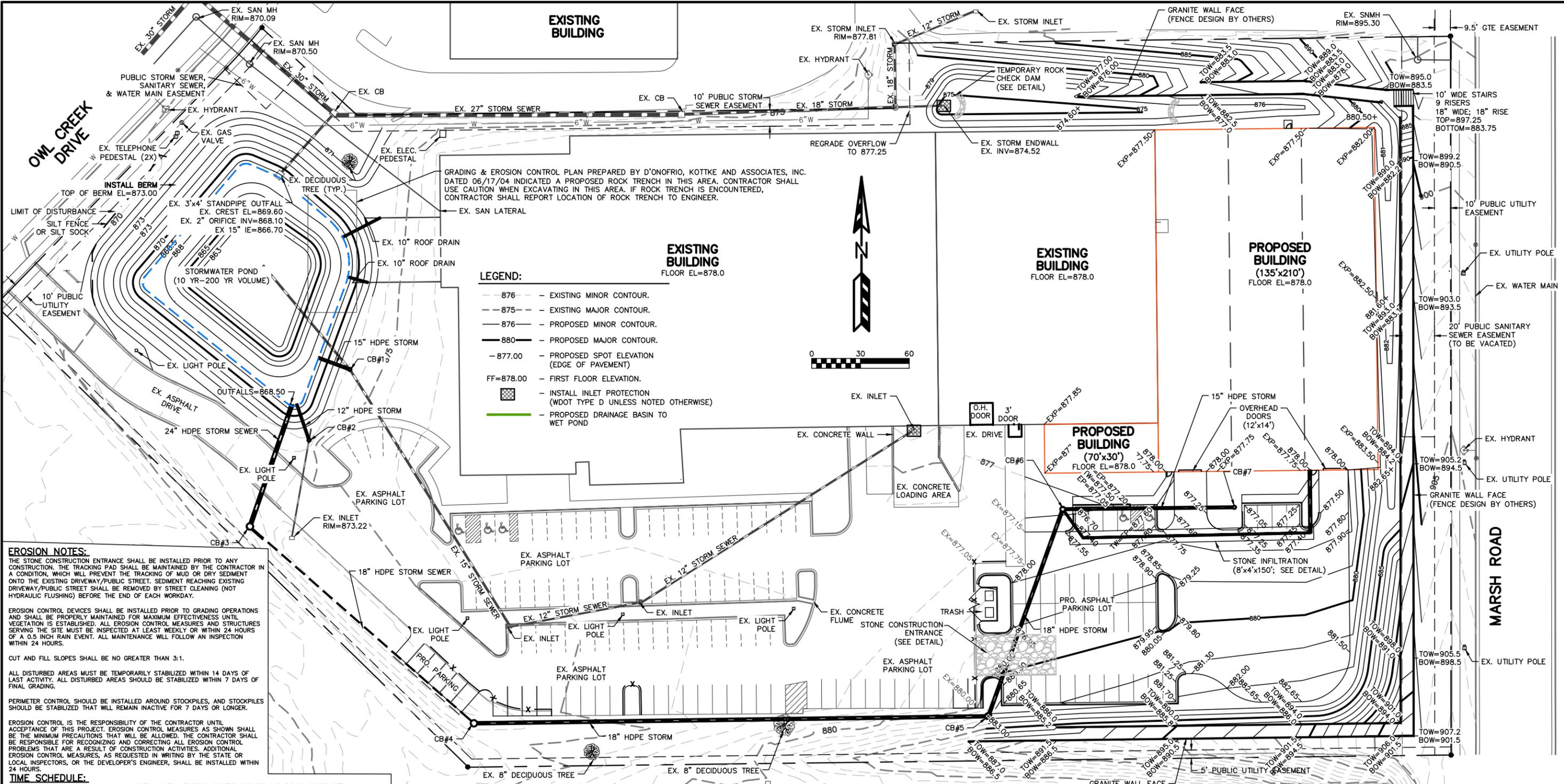
QUAM ENGINEERING, LLC
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 www.quamengineering.com
 4604 Siggelkow Road, Suite A - McFarland, Wisconsin 53558
 Phone (608) 838-7750; Fax (608) 838-7752

QUAM ENGINEERING, LLC 4604 Siggelkow Road, Suite A - McFarland, WI 53558 (608) 838-7750 NC-10-14\nc10BASE-2019.DWG



ISTHMUS ENGINEERING BUILDING ADDITION
 SITE PLAN
 SHEET: C-2
 DATED: JUNE 13, 2022

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GRADING AND STORMWATER PLAN

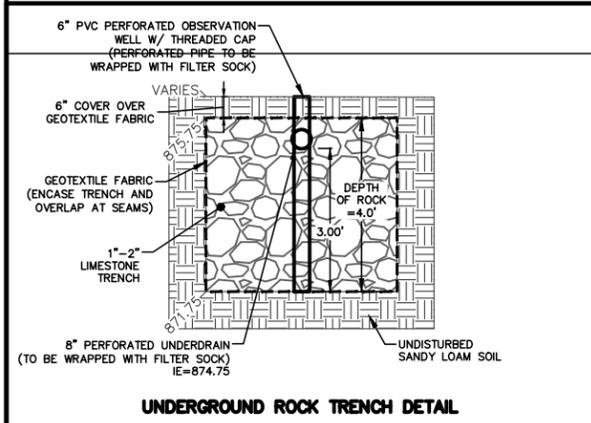
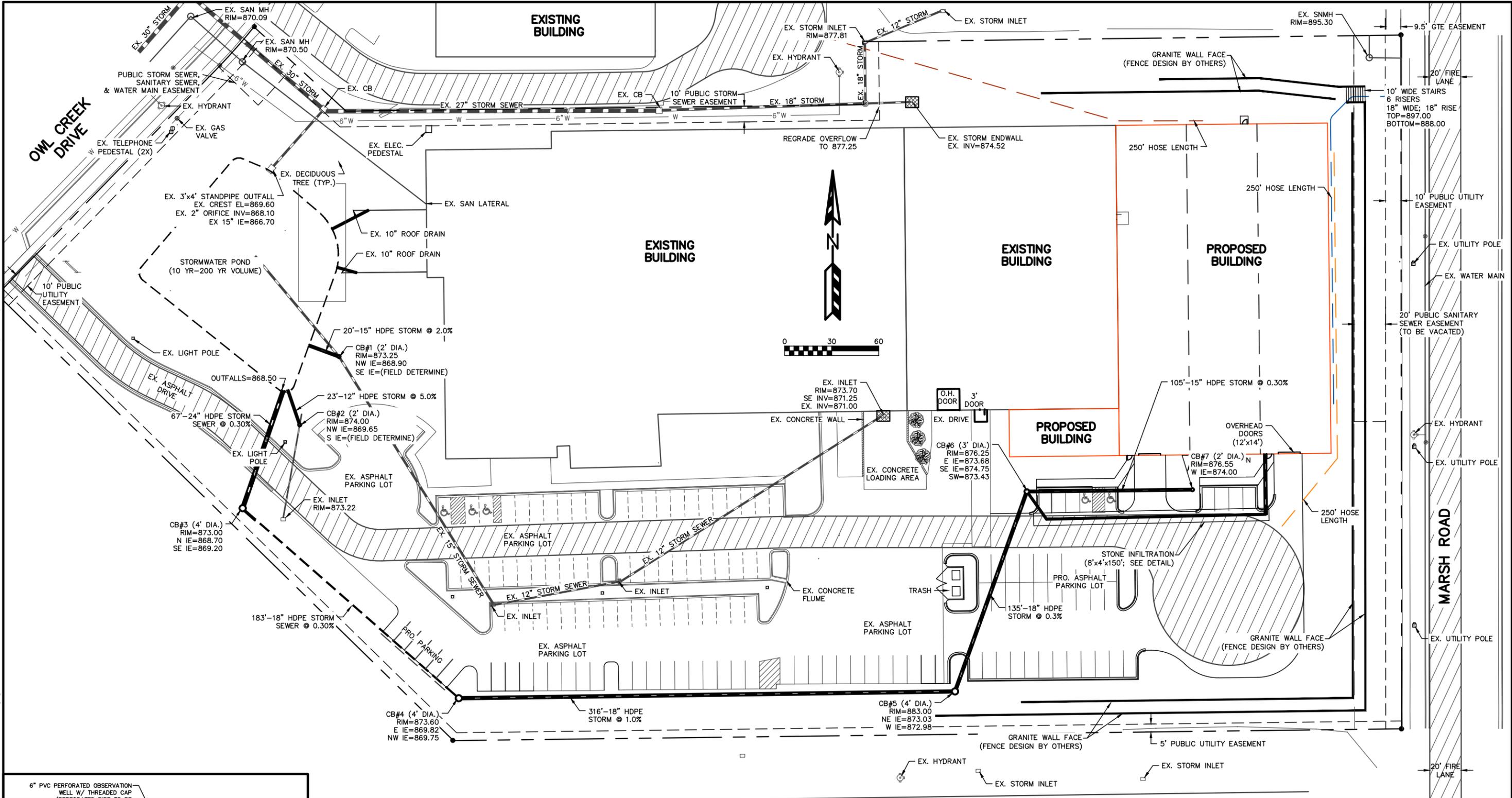
SHEET: C-3
DATED: JUNE 13, 2022

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OWNER:
ISTHMUS ENGINEERING & MANUFACTURING
4035 OWL CREEK DRIVE
MADISON, WI 53718

ENGINEER:
QUAM ENGINEERING, LLC
ATTN: RYAN QUAM
4604 SIGELKOW ROAD, SUITE A
MCFARLAND, WI 53558



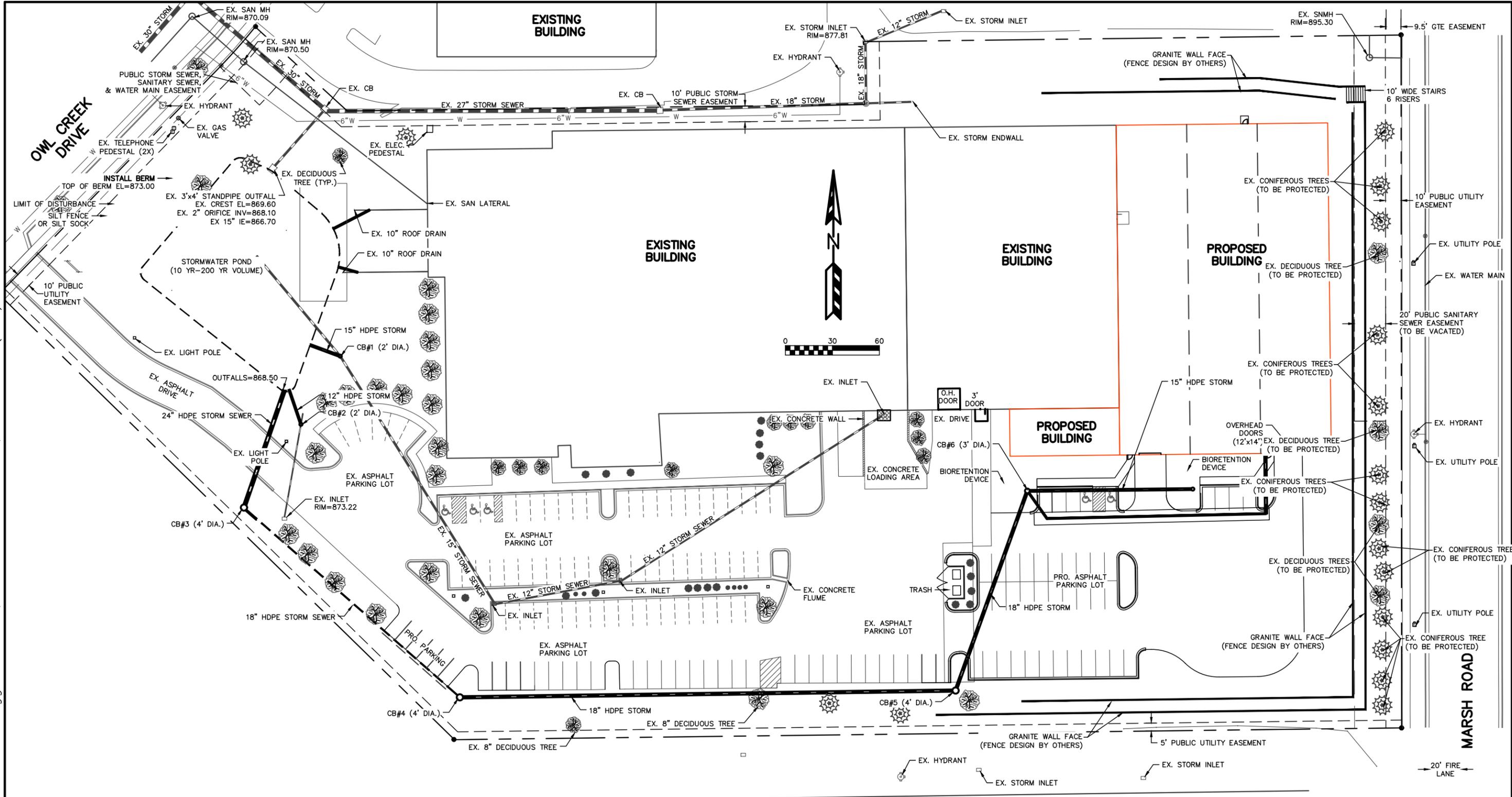
ISTHMUS ENGINEERING BUILDING ADDITION
 UTILITY & FIRE LANE PLAN

SHEET: C-4
 DATED: JUNE 13, 2022

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ISTHMUS ENGINEERING BUILDING ADDITION
 LANDSCAPE PLAN
 SHEET: L-1
 DATED: JUNE 13, 2022
QUAM ENGINEERING, LLC
 Residential and Commercial Site Design Consultants
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City of Madison Fire Department

314 W Dayton Street, Madison, WI 53703-2506
 Phone: 608-266-4420 • Fax: 608-267-1100 • E-mail: fire@cityofmadison.com

Project Address: 4035 Owl Creek Road, Madison, WI 53718

Contact Name & Phone #: Jeff Yarwood, 608-512-1106

FIRE APPARATUS ACCESS AND FIRE HYDRANT WORKSHEET

1. Is the building completely protected by an NFPA 13 or 13R automatic fire sprinkler system? If non-sprinklered , fire lanes extend to within 150-feet of all portions of the exterior wall? If sprinklered , fire lanes are within 250-feet of all portions of the exterior wall?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A <input type="checkbox"/> N/A
2. Is the fire lane constructed of concrete or asphalt, designed to support a minimum load of 85,000 lbs? a) Is the fire lane a minimum unobstructed width of at least 20-feet? b) Is the fire lane unobstructed with a vertical clearance of at least 13½-feet? c) Is the minimum inside turning radius of the fire lane at least 28-feet? d) Is the grade of the fire lane not more than a slope of 8%? e) Is the fire lane posted as fire lane? (Provide detail of signage.) f) Is a roll-able curb used as part of the fire lane? (Provide detail of curb.) g) Is part of a sidewalk used as part of the required fire lane? (Must support +85,000 lbs.)	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A
3. Is the fire lane obstructed by security gates or barricades? If yes: a) Is the gate a minimum of 20-feet clear opening? b) Is an approved means of emergency operations installed, key vault, padlock or key switch?	<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A
4. Is the Fire lane dead-ended with a length greater than 150-feet? If yes, does the area for turning around fire apparatus comply with IFC D103?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No	<input type="checkbox"/> N/A <input type="checkbox"/> N/A
5. Is any portion of the building to be used for high-piled storage in accordance with IFC Chapter 3206.6 If yes, see IFC 3206.6 for further requirements.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
6. Is any part of the building <u>greater than 30-feet</u> above the grade plane? If yes, answer the following questions: a) Is the aerial apparatus fire lane parallel to one entire side of the building and covering at least 25% of the perimeter? b) Is the near edge of the aerial apparatus fire lane between 15' and 30' from the building? c) Are there any overhead power or utility lines located across the aerial apparatus fire lane? d) Are there any tree canopies expected to grow across the aerial fire lane? (Based on mature canopy width of tree species) e) Does the aerial apparatus fire lane have a minimum unobstructed width of 26-feet? f) Is the space between the aerial lane and the building free of trees exceeding 20' in heights?	<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A
7. Are all portions of the required fire lanes within 500-feet of at least (2) hydrants? <i>Note: Distances shall be measured along the path of the hose lay as it comes off the fire apparatus.</i> a) Is the fire lane at least 26' wide for at least 20-feet on each side of the hydrants? b) Is there at least 40' between a hydrant and the building? c) Are the hydrant(s) setback no less than 5-feet nor more than 10-feet from the curb or edge of the street or fire lane? d) Are hydrants located in parking lot islands a minimum of 3½-feet from the hydrant to the curb? e) Are there no obstructions, including but not limited to: power poles, trees, bushes, fences, posts located, or grade changes exceeding 1½-feet, within 5-feet of a fire hydrant?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	<input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A

Note: Hydrants shall be installed and in-service prior to combustible construction on the project site.

Attach an additional sheet if further explanation is required for any answers.

This worksheet is based on **MGO 34.503** and **IFC 2015 Edition Chapter 5 and Appendix D**; please see the codes for further information.