

Alterations for:

Train Depot

Forest Ave and Brooke Street
Fond du Lac, WI 54935



PROJECT LOCATION

NORTH
SITE LOCATION MAP

CONSULTANTS

FIRE PROTECTION
FOX VALLEY MEP
6264 BLACK WOLF POINT ROAD
OSHKOSH, WI 54902
T 920.370.7070

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Consultant

General Contractor
Project Status

Issued for
Bid

Issued

Drawn By: tkent
Checked By: tkent

Train Depot
Fond du Lac, WI

Issue Date: 5-20-2024
Sheet Contents
COVER SHEET

Project Designed For:
City of
Fond du Lac

24-005
Project Number

G0.1
Sheet Number
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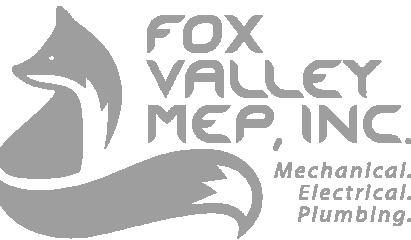


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Fond du Lac, WI

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Sheet Contents

BASEMENT FIRE
PROTECTION
PLAN

Project Designed For:

City of
Fond du Lac

24-005

Project Number

F1.0

Sheet Number

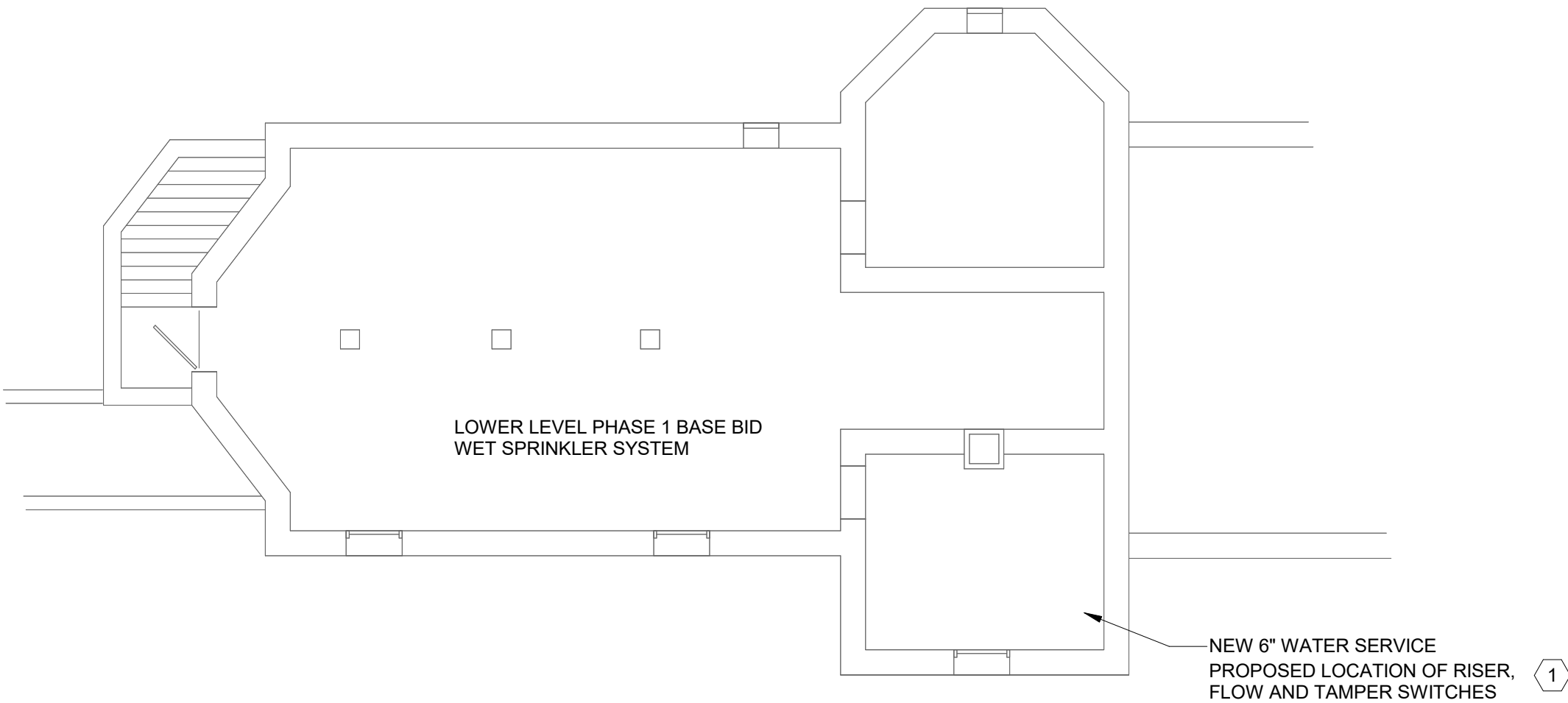
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KEYNOTES

- 1 FIRE PROTECTION CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS AND INCLUDE A LICENSED ELECTRICAL SUB-CONTRACTOR TO PERFORM REQUIRED ELECTRICAL SCOPE OF WORK FOR THE PROJECT.

FIRE PROTECTION GENERAL NOTES

- 1 PROVIDE ALTERATIONS TO THE EXISTING FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW FLOOR PLAN AND NEW CEILING TYPES. PROVIDE A COMPLETE WET TYPE SYSTEM INCLUDING NEW MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. REUSE EXISTING SYSTEM EQUIPMENT WHERE APPLICABLE. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS AND AS PER REQUIREMENTS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL.
- 2 THE BUILDINGS COMPLETE OPERATIONAL FIRE PROTECTION SYSTEMS SHALL REMAIN IN PLACE. THIS CONTRACTOR SHALL REPAIR ANY DAMAGE TO THIS SYSTEM CREATED BY THE REMOVAL OF ANY OTHER MECHANICAL SYSTEMS OR COMPONENTS.
- 3 THIS CONTRACTOR SHALL COORDINATE PHASING OF SPRINKLER WORK WITH THE GENERAL CONTRACTOR PRIOR TO STARTING WORK.
- 4 PROVIDE A COMPLETE WET TYPE FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE FLOOR PLAN AND CEILING TYPES INCLUDING MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL.
- 5 THE SPRINKLER SYSTEM SHALL BE DESIGNED BASED UPON ACTUAL WATER FLOW TEST DATA OBTAINED AT OR NEAR THE JOB SITE.
- 6 REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION REGARDING SPRINKLER HEAD LOCATION AND PIPE, UNLESS NOTED OTHERWISE.
- 7 DIVISION 21 CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR PROPER INSTALLATION OF THE FIRE PROTECTION SYSTEMS ALARM DEVICES INVOLVED WITH FIRE SPRINKLER SYSTEM.
- 8 ALL SPRINKLER SYSTEM PIPING SHALL BE CONCEALED ABOVE THE SUSPENDED CEILING SYSTEM, UNLESS NOTED OTHERWISE. WRITTEN AUTHORIZATION SHALL BE OBTAINED FROM THE ARCHITECT PRIOR TO EXPOSING ANY PIPING IN ANY ROOM WHICH HAS A SUSPENDED CEILING.
- 9 THIS CONTRACTOR SHALL PROVIDE ALL ADDITIONAL SPRINKLER HEADS AS REQUIRED TO ENSURE AN APPROVED FIRE PROTECTION SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
- 10 AUXILIARY DRAINS SHALL BE EXPOSED WITH 1" DRAIN VALVES. WHEN 5 OR MORE GALLONS ARE TRAPPED, THIS CONTRACTOR SHALL PROVIDE FIXED PIPING TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE DRAIN. WHEN LESS THAN 5 GALLONS ARE TRAPPED, A HOSE BIB SHALL BE PROVIDED AT THE DRAIN VALVE.
- 11 AUXILIARY DRAINS SHALL NOT BE LOCATED ABOVE PLASTER OR GYPSUM BOARD CEILING SYSTEMS. ONLY BY A SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER WILL A VARIANCE BE PROVIDED.
- 12 AN INSPECTOR'S TEST CONNECTION SHALL BE PROVIDED FOR EACH FIRE SPRINKLER ZONE. THIS CONTRACTOR SHALL PROVIDE FIXED PIPING FROM THE TEST CONNECTION TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE TEST. EXTERIOR DISCHARGE OF THE TEST CONNECTION SHALL BE PERMITTED ONLY BY SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER.
- 13 SHOW ALL ROOM NUMBERS ON SHOP DRAWING PLANS.
- 14 FLOW TEST DATA FROM 4/16/24 INDICATES THE FOLLOWING: STATIC PRESSURE 57PSI, RESIDUAL PRESSURE: AT 1048GPM, THE HYDRANTS TESTED ARE APPROXIMATELY 300 FEET AWAY FROM THE CENTER OF THE SITE LOCATED OFF THE 8" WATER MAIN IN ## STREET AT AN ELEVATION OF ### F
- 15 ROUTE SPRINKLER PIPING SUCH THAT IT DOES NOT RUN ABOVE ELECTRICAL PANELS, SWITCHGEAR, OR SIMILAR EQUIPMENT. SPRINKLER MAINS SHALL NOT RUN THROUGH ELECTRICAL OR COMMUNICATION ROOMS. SPRINKLER HEADS IN THESE ROOMS SHALL BE SERVED BY A DEDICATED BRANCH LINE FOR EACH ROOM.
- 16 THIS DRAWING INDICATES A GENERAL PIPING ARRANGEMENT AND SUGGESTED SIZING ONLY. THIS CONTRACTOR SHALL DETERMINE THE ACTUAL PIPE SIZING REQUIRED AND COORDINATE WORK WITH ALL OTHER TRADES TO AVOID CONFLICTS.
- 17 THIS CONTRACTOR SHALL PREPARE HYDRAULIC CALCULATIONS BASED UPON THE CONFIGURATION OF THE ACTUAL SYSTEM DESIGN AS SHOWN ON THIS CONTRACTOR'S SHOP DRAWINGS.



1 BASEMENT FIRE PROTECTION PLAN

1/8" = 1'-0"



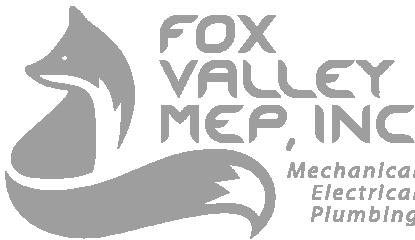


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Sheet Contents
FIRST FLOOR
FIRE
PROTECTION
PLAN

Project Designed For:
City of
Fond du Lac

24-005
Project Number

F1.1

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KEYNOTES

- 1 FIRE PROTECTION CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.
- 2 FIRE PROTECTION CONTRACTOR SHALL PROVIDE PROPOSED PIPE ROUTING TO OWNER PRIOR TO SUBMITTING A BID.

FIRE FLOW INFORMATION:
HYDRANTS 78 & 142 FOREST AV
STATIC: 57 PSI
PITOT: 39 PSI
RESIDUAL: 57 PSI
FLOW GPM: 1048

1 FIRST FLOOR FIRE PROTECTION PLAN

F1.1 1/8" = 1'-0"



GENERAL NOTE: A2 - OCCUPANCY

FIRE FLOW INFORMATION:
HYDRANTS 78 & 142 FOREST AV
STATIC: 57 PSI
PITOT: 39 PSI
RESIDUAL: 57 PSI
FLOWING GPM: 1048

UNSHADED REGION PHASE I BASE
BID DRY SPRINKLER SYSTEM

COVERED CANOPY
SEE SHEET A2.1 FOR BUILDING ELEVATIONS

UNSHADED REGION PHASE I BASE
BID DRY SPRINKLER SYSTEM

COVERED PORCH

SHADED REGION PHASE I BASE
BID WET SPRINKLER SYSTEM - APPROXIMATELY 5000 SQ FT

NEW 6" WATER SERVICE
LOWER LEVEL

2 FIRST FLOOR FIRE PROTECTION PLAN

F1.1 1/8" = 1'-0"

