



GENERAL NOTES

- DESIGN DRAWINGS ARE DIAGRAMMATIC AND APPROXIMATE. ONLY FOR PIPE SIZING, GENERAL ROUTING, LAYOUT AND BASIC SYSTEM CONFIGURATION.
- THE CONTRACTOR SHALL PROVIDE A COMPLETE SHOP DRAWING SUBMITTAL INCLUDING ALL INFORMATION REQUIRED BY NFPA 13, SECTION 22.1.3 (2010 EDITION).
- THE CONTRACTOR SHALL FIELD VERIFY ALL PIPE ROUTING PRIOR TO SUBMITTAL OF SHOP DRAWINGS OR COMMENCING SYSTEM FABRICATION.
- THE CONTRACTOR IS TO PROVIDE A COMPLETE AS-BUILT DRAWING SUBMITTAL, INCLUDING ALL PIPE LENGTHS, ELEVATIONS, HANGER LOCATIONS, HANGER DETAILS, AND OFFSETS AS COORDINATED WITH THE BUILDING STRUCTURE AND OTHER BUILDING TRADES. THE AS-BUILT DRAWINGS SHALL BE 1/4" = 1'-0".
- ANY MATERIALS AND ACCESSORIES NECESSARY SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 (2010 EDITION).
- PIPING SHALL BE RUN ON A LEVEL HORIZONTAL PLANE. IF TRAPPED PIPING OVER 5 GALLONS OCCURS, A MINIMUM OF A 3/4" BALL VALVE SHALL BE PROVIDED.
- ALL SYSTEMS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE PROVISIONS PUT FORTH BY NFPA 13 (2010 EDITION), THE VA DESIGN STANDARDS, THE PROJECT TECHNICAL SPECIFICATIONS, AND ALL APPLICABLE LOCAL AND STATE LAWS AND REGULATIONS.
- ALL ABOVE GROUND PIPING 2-1/2" AND LARGER SHALL BE SCHEDULE 40, BLACK STEEL WITH ROLL GROOVED ENDS AND GROOVED FITTINGS UNLESS NOTED OTHERWISE.
- ALL ABOVE GROUND PIPING 2" AND SMALLER SHALL BE SCHEDULE 40 WITH THREADED CAST IRON FITTINGS.
- ALL SPRINKLERS SHALL BE NEW UL LISTED, FM APPROVED, QUICK RESPONSE, SEMI-RECESSED, CHROME FINISH AND CENTERED IN CEILING GRID UNLESS NOTED OTHERWISE. REFERENCE SPECIFICATIONS FOR SPECIFIC SPRINKLER APPLICATIONS AND TEMPERATURES.
- ALL CONTROL VALVES SHALL BE SUPERVISED BY THE BUILDING FIRE ALARM SYSTEM.
- ALL VALVES (DRAINS, INSPECTOR'S TEST, CONTROL) SHALL BE IDENTIFIED AS REQUIRED BY NFPA 13 (2010 EDITION).
- ALL VALVES AND WATERFLOW SWITCHES SHALL BE LOCATED IN ACCESSIBLE LOCATIONS.
- SPRINKLER PROTECTION SHALL BE PROVIDED BENEATH ALL CONTINUOUS OBSTRUCTIONS 4'-0" AND GREATER IN WIDTH AS REQUIRED BY NFPA 13 (2010 EDITION).
- SOME WORK UNDER THIS CONTRACT WILL REQUIRE WORK DUTIES TO BE PERFORMED AFTER NORMAL WORKING HOURS. DETERMINATION OF SPECIFIC WORK DUTIES TO BE PERFORMED AFTER HOURS SHALL BE MADE BY VA STAFF AT THEIR CONVENIENCE. POSSIBLE WORK REQUIRING AFTER HOURS APPROVAL INCLUDES, BUT IS NOT LIMITED TO: POWER OUTAGES AND DISRUPTION OF SERVICES, EXTREME NOISE AND/OR VIBRATION, CUTTING AND PATCHING OF CONCRETE, AND DELIVERIES OF EQUIPMENT.
- ALL AREAS SHALL REMAIN IN SERVICE EXCEPT DURING THE ACTIVE PHASE.

KEYNOTES

- FIRE PUMP ROOM, EXISTING FIRE PUMP ROOM, BASED ON CALCULATIONS ON 150 PSI STATIC, 140 PSI RESIDUAL FLOWING 750GPM AT DISCHARGE FLANGE.

LEGEND

ORDINARY HAZARD GROUP 1
0.15 GPM/SQ FT OVER 1500 SQ FT

ORDINARY HAZARD GROUP 2
0.25 GPM/SQ FT OVER 1500 SQ FT

LIGHT HAZARD
0.10 GPM/SQ FT OVER 1500 SQ FT

EXISTING SPRINKLER AND FIRE ALARM ZONE 2-JUNCTIONS EXISTING ZONE WITH PIPING AND SPRINKLERS ADDED/ RELOCATED AS REQUIRED

EXISTING STANDPIPE
IS
FS
ITC

EXISTING STANDPIPE
EXISTING TAMP
EXISTING FLOW
EXISTING INSPECTOR'S TEST CONNECTION
EXISTING PUMP ROOM

REMOVE EXISTING FIRE HOSE/FIRE EXTINGUISHER CABINET REPLACE WITH NEW CABINET WHERE FIRE EXTINGUISHER IS LOCATED ABOVE THE HOSE VALVE. CABINET SHALL BE RECESSED INTO WALL SIMILAR TO POTTER MODEL 1970. INCLUDE ALL NECESSARY WALL DEMOLITION AND PATCHING FINISHES SHALL MATCH EXISTING.

FIRE RESISTIVE RATED, 1 HOUR

FIRE-RATED, SMOKE BARRIER, 1 HOUR

FIRE-RATED, SMOKE BARRIER, 2 HOUR

EXISTING FEED MAIN

KEY PLAN
NOT TO SCALE

FULLY SPRINKLERED BUILDING
BD DOCUMENTS

Project Number: 636A8-11-011
Building Number: 1
Drawing Number: 1-F1

Office of Construction and Facilities Management
Department of Veterans Affairs

CONSULTANTS:		ARCHITECT/ENGINEERS:		DRAWING TITLE: BASEMENT FIRE PROTECTION PLAN		PROJECT TITLE: SURGICAL SUPPORT AND LOCKERS		PROJECT NUMBER: 636A8-11-011		OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT	
DATE: 08-2023		DATE: 08-2023		APPROVED PROJECT DIRECTOR: [Signature]		LOCATION: IOWA CITY VAMC		DRAWING NUMBER: 1-F1		DEPARTMENT OF VETERANS AFFAIRS	
PARADIGM ENGINEERS AND CONSTRUCTORS		BLAKE CANBERKE		APPROVED PROJECT DIRECTOR: [Signature]		CHECKED: BYG		DRAWN: DML		VA FORM 08-6231	
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