ADDENDUM No. 1

RFP No. AAHC 22-01

Miller Manor Fire Suppression System Upgrade

Due: June 7, 2022, at 12:00 p.m. (local time)

The information contained herein shall take precedence over the original documents and all previous addenda (if any) and is appended thereto.

The Proposer is to acknowledge receipt of this Addendum No. 1, including all attachments in its Proposal by so indicating in the proposal that the addendum has been received. Proposals submitted without acknowledgement of receipt of this addendum may be considered non-conforming.

The following forms provided within the RFP Document should be included in submitted proposal:

- Attachment B – General Declaration
- Attachment C – Legal Status of Bidder
- Attachment D - Prevailing Wage Declaration of Compliance
- Attachment E - Living Wage Declaration of Compliance
- Attachment F – City of Ann Arbor – Living Wage Ordinance
- Attachment G - Vendor Conflict of Interest Disclosure Form
- Attachment H - Non-Discrimination Declaration of Compliance

Proposals that fail to provide these completed forms listed above upon proposal opening may be rejected as non-responsive and may not be considered for award.

I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the RFP documents which are outlined below are referenced to a page or Section in which they appear conspicuously. Offerors are to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

Drawings Change

All See revised drawings. All changes have been bubbled.

II. QUESTIONS AND ANSWERS

The following questions were asked during the bid meeting walk-through and/or have been received by the City. Responses are being provided in accordance with the terms of the RFP. Respondents are directed to take note in its review of the documents of the following questions and City responses as they affect work or details in other areas not specifically referenced here.

Question 1: Fire suppression in closets
Answer 1: Yes, see attached drawings

Question 2: Fire suppression system to be routed above or below ceiling on first floor?
Answer 2: Below, however the new piping cannot block any electrical junction boxes.
Question 3: Replace cover or entire flow switch in first floor trash room?
Answer 3: Replace flow switch with new.

Question 4: Who is responsible for architectural repairs?
Answer 4: Bidders are responsible for all architectural repairs from the installation of the new fire suppression system.

Question 5: Are we to install sprinklers on the 1st and 7th floors of the stairwell?
Answer 5: Yes

Question 6: What hours are we allowed to work?
Answer 6: All noise producing activities (i.e. drilling, etc.) shall be done between 8 am and 5 pm. Low noise tasks (i.e. moving materials, set-up, etc.) can be done between 7 am and 8 am.

Question 7: Do you have a copy of the Annual Fire Pump Report?
Answer 7: Yes, see attached.

Question 8: Do you have a copy of the Hydrant Flow Test?
Answer 8: Yes, see attached.

Question 9: What color that you would like the new piping painted?
Answer 9: See attached paint specification.

Question 10: How can we get a copy of the asbestos report for this facility?
Answer 10: There is a link to the document in the RFP which is located on the MITN site.

Question 11: Can the bid be emailed?
Answer 11: No, bid documents shall be hand delivered to AAHC Office at 2000 S. Industrial Hwy, Ann Arbor, MI 48104.

Offerors are responsible for any conclusions that they may draw from the information contained in the Addendum.
IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWINGS AS REQUIRED PER NFPA 13.

VALVES/COMPONENTS
FIRE SPRINKLER SYSTEM WORKING

CONTRACTOR SHALL SUBMIT THE FOLLOWING SHOP DRAWINGS FOR REVIEW AND APPROVAL AS-BUILTS/FOR RECORD DRAWINGS NOTING DEVIATIONS FROM CONSTRUCTION

APPROVED FIRE SUPPRESSION DRAWINGS.

PROJECT CLOSE OUT DOCUMENTS

SHOP DRAWING FOR REVIEW

CONTRACTOR SHALL SUBMIT ONE ORIGINAL AND APPROVAL FROM BOMBER PRIOR TO PURCHASES

PROJECT DESCRIPTION

This project includes fire suppression design for a new construction.

GENERAL NOTES

ALL WORK MUST COMPLY WITH THE REQUIREMENTS OF THE CODES AND ORDINANCES WHERE APPLICABLE. DRAWINGS AND DOCUMENTS ARE FOR THE USE AND INFORMATION OF CONTRACTORS, AND CONSTRUCTION WORKSHOPS. DRAWINGS AND DOCUMENTS ARE NOT INTENDED FOR USE OR INFORMATION OF ANY OTHER PARTY.

Hazardous Materials Note:

This project area does contain hazardous materials. Please contact your local hazardous materials consultant for the proper cleanup of hazardous materials. If you have any questions or concerns, please contact the project designer.

SITE LOCATION

ANN ARBOR, MICHIGAN

PROJECT LOCATION

www.imegcorp.com

201 SOUTH ANN

MILLER MANOR

FIRE SUPPRESSION DESIGN

ANN ARBOR, MICHIGAN

SCHEDULES AND DETAILS

Edition

Sheet Title

Drawn

Approved

R. O'QUINN

CONTRACTOR SHALL SUBMIT THE FOLLOWING SHOP DRAWINGS FOR REVIEW AND APPROVAL AS-BUILTS/FOR RECORD DRAWINGS NOTING DEVIATIONS FROM CONSTRUCTION

APPROVED FIRE SUPPRESSION DRAWINGS.

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APPROVED FIRE SUPPRESSION DRAWINGS.
FIRE PROTECTION CODE:
MECHANICAL CODE:
BUILDING CODE:
APPLICABLE CITY OF ANN ARBOR RULES AND REGULATIONS

CONTRACTOR ABBREVIATION KEY

FIELD TESTING AND FLUSHING:
1. TESTING OF SPRINKLERS SHALL BE PERFORMED IN SECTION 6.9 OF NFPA 13, EXCEPT WHERE THE PROVISIONS OF NFPA 13, SECTION 6.9 ARE INCONGRUENT WITH THE REQUIREMENTS OF THE CONTRACTOR'S SHOP DRAWINGS AND THE CONTRACTOR'S RESPONSIBILITY FOR COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE CONTRACTOR'S DESIGN.

HANGER NOTES:
1. SPRINKLER PIPING SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF NFPA 13, SECTION 9.2.4 FOR STEEL PIPE AND MALLEABLE IRON PIPING.
2. SPRINKLER SYSTEMS ARE FULLY SPRINKLERED INCLUDING CANOPIES, WALKWAYS, STORAGE AREAS.
3. SPRINKLERS, PIPE SIZING, AND PIPE ROUTING.

APP (ACTUAL PIPE)
AN (AIRCRAFT NOT INCLUDED)
AS (ARCHITECT)
AX (ARCHITECTURAL)
BP (BACKFLOW PREVENTER)
CS (COMMENTS)
CR (CONSTRUCTION)
CT (COORDINATION)
DF (DESIGN SERVICES)
FR (CONTRACTOR)
FS (FIRE PROTECTION)
FT (FIRE PROOFING)
I (INTERIOR)
L (LACOMM)
LP (LACOMM PROJECT)
ME (MECHANICAL)
MS (MATERIALS SUPPLIED)
MT (MATERIALS)
NF (NOT FURNISHED)
NL (NOT LACOMM)
NC (NOT COMPLETE)
NT (NOT TESTED)
OC (OBJECT)
PA (PLOTTED AREA)
PB (PLUMBING)
PC (PLOTTED CONSTRUCTION)
PS (PLOTTED SPECIFICATIONS)
PP (PLUMBING PIPING)
PR (PLUMBING PIPING ROUTING)
PT (PLUMBING PIPING ROUTING)
S (SPECIALIZED)
SC (SPECIALIZED CONSTRUCTION)
SE (SPECIALIZED ENGINEERING)
SP (SPECIALIZED PRODUCTS)
ST (SPECIFICATIONS)
SU (SUBCONTRACTOR)
SW (STRUCTURAL)
T (TYPICAL)
UN (UNLACOMM)
US (UNLACOMM SUPPLIED)
W (WATER)
WP (WATER PIPING)
X (EXCEPTIONS)
Y (NOTES)
Z (GENERAL)

APPLICABLE CODES
CONTRACTOR SHALL COMPLETE NECESSARY CONSTRUCTION ADMINISTRATIVE REQUIREMENTS.

APPLICABLE CITY OF ANN ARBOR RULES AND REGULATIONS

FIRE PROTECTION ABBREVIATION KEY

CONTRACTOR ABBREVIATION KEY

CONTRACTOR ABBREVIATION KEY

FIRE PROTECTION SYMBOL LIST

CONTRACTOR ABBREVIATION KEY

FIRE PROTECTION GENERAL NOTES:
1. SPRINKLERS, PIPE SIZING, AND PIPE ROUTING.
2. SPRINKLERS, PIPE SIZING, AND PIPE ROUTING.
3. SPRINKLERS, PIPE SIZING, AND PIPE ROUTING.
FOR SCHEDULE 10 PIPE. CUT GROOVE COUPLINGS FOR SCHEDULE 40 PIPE. COUPLINGS SHALL BE ENAMEL.

FIRE PROTECTION CONTRACTOR SHALL DETERMINE THE FLOW AND PRESSURE AVAILABLE AT THE SERVICE PENETRATION SEALS, SPRINKLERS, EQUIPMENT DATA AND RATINGS, AND HYDRAULIC CALCULATIONS.

DATE THAT THE TEST WAS TAKEN.

DIFFUSERS, AND INDICATE BASIC FLOW AND HYDRAULIC DESIGN INFORMATION, INCLUDING MAIN LOCATION AND PENETRATION SEALS, SPRINKLERS, EQUIPMENT DATA AND RATINGS, AND HYDRAULIC CALCULATIONS.

PROFESSIONAL ENGINEER.

STEEL PIPE (INSIDE BUILDING ABOVE GRADE):

EXTRA STOCK

VICTAULIC, ITT, GRINNELL, CENTRAL, ANVIL GRUVLOK, STAR FITTINGS.

VALVES: BEAR UL/FM LABEL OR MARKING. PROVIDE MANUFACTURER'S NAME AND PRESSURE RATING MARKED ON VALVE CONNECTIONS


WELDING MATERIALS AND PROCEDURES: CONFORM TO ASME CODE.

PLAIN END FITTINGS AND COUPLINGS ARE NOT ACCEPTABLE.

FINISH COATS: LOW-LUSTER (EGGSHELL), ACRYLIC-LATEX, INTERIOR ENAMEL; TOTAL DRY FILM THICKNESS OF NOT LESS THAN 2.0 MILS. 1) SUPERSPEC HP ACRYLIC METAL PRIMER P04.

APPLY STRIPPABLE OR PAPER COVERS SO CONCEALED SPRINKLER COVER PLATES DO NOT RECEIVE FIELD PAINT.

DUCTS. DUCTWORK HAS PRIORITY OVER SPRINKLER PIPES. OFFSET PIPES AS NEEDED.

LARGER MAINS. DO NOT PROJECT BRANCH PIPES INTO MAIN PIPES.

DO NOT ALLOW CONCEALED SPRINKLER COVER PLATES TO BE PAINTED. SPRINKLER COVER PLATES ARE TO BE FINISHED IN STAIN.

DO NOT INSTALL PIPING OR OTHER EQUIPMENT ABOVE ELECTRICAL SWITCHBOARDS OR PANELBOARDS. THIS INCLUDES A DEVIATION SPACE EXTENDING 25 FEET FROM THE FLOOR TO THE STRUCTURAL CEILING WITH WIDTH EXTEND MINIMUM 1.5" ABOVE FINISHED FLOOR.

INSTALL CHROME PLATED STEEL ESCUTCHEONS WHERE EXPOSED PIPES PENETRATE WALLS OR FLOORS.

DO NOT INSTALL FASTENERS TO CARRY THE LOAD IN TENSION, UNLESS ABSOLUTELY NECESSARY.

DO NOT ALLOW CONCEALED SPRINKLER COVER PLATES TO BE PAINTED. SPRINKLER COVER PLATES ARE TO BE FINISHED IN STAIN.

YOU MAY NOT PURCHASE, FOR BIDS ONLY "ISSUED FOR REVIEW, BIDS, OR PERMITS".

FACSIMILE NUMBERS, INCLUDING COPYRIGHTS, TO THIS "ISSUED FOR BIDS, OR PERMITS".

CONSTRUCTION" DOCUMENTS OR LATER REVISIONS FOR BIDS ONLY

FOR BIDS ONLY
PARTIAL 1ST FLOOR PLAN (NORTH) - FIRE SUPPRESSION NEW WORK

1/8" = 1'-0" (24"x36" DRAWINGS)

MATCHLINE F102

MATCHLINE F101

FOR BIDS ONLY

CONTRACTOR SHALL WORK FROM "ISSUED FOR CONSTRUCTION" DOCUMENTS OR LATER REVISIONS ONLY. CONTRACTOR SHALL NOT PURCHASE, FABRICATE OR CONSTRUCT FROM ANY DOCUMENTS "ISSUED FOR REVIEW, BIDS, OR PERMITS".

NOTES:

1. DRAWING TO BE REVIEWED FOR COMPLIANCE WITH CURRENT FIRE SUPPRESSION CODE.

2. FUTURE CONSTRUCTION TO BE CONFIRMED FROM PLANS AND SPECIFICATIONS.

3. ACTIVATION OF FIRE SUPPRESSION SYSTEM SHALL ALSO ACTIVATE FIRE ALARM INTERCONNECT AND ANNUNCIATOR SYSTEM.

4. CONTRACTOR TO PROVIDE FIRE WATCH ANY TIME THE FIRE SUPPRESSION SYSTEM IS DEACTIVATED.

5. CONTRACTOR WORK WITH LAMINATE ENGINEER, OTHER TRADES, AND FIRE ALARM COMPANY.

DISCLAIMER

1. FIRE PROTECTION PIPE ROUTING IS SHOWN TO INDICATE DESIGN INTENT. FIRE PROTECTION CONTRACTOR SHALL PROVIDE DETAILED WORKING DRAWINGS, INCLUDING BUT NOT LIMITED TO; EXACT NUMBER AND LOCATION OF SPRINKLERS, PIPE SIZING AND ROUTING BASED ON HYDRAULIC CALCULATIONS, HANGER LOCATIONS, SIESMIC BRACING CALCULATIONS, ETC. REFER TO NFPA 13 FOR COMPLETE LIST OF REQUIREMENTS. SUBMIT TO A/E AND AHJ FOR APPROVAL.

2. SEE GENERAL NOTES, SPECIFICATIONS, AND ADDITIONAL PROJECT INFORMATION ON GENERAL DRAWINGS.

3. NEW WORK DRAWN IN RED.

4. DRAWING COMPLIANCE TO INCLUDE THE GENERAL SCOPE OF WORK DENOTED IN THIS DRAWING. PLEASE INSTALL ALL SYSTEMS IN ACCORDANCE WITH OTHER TRADES.’ WORK.

5. REFER TO MATCHLINE F102.

6. KEYNOTES:

   1. AREAS TO BE REVIEWED FOR COMPLIANCE WITH CURRENT FIRE SUPPRESSION CODES.

   2. FIRE SUPPRESSION CONTRACTOR TO REVIEW AND SUBMIT PLANS FOR AREA SHOWN WITH HYDRAULIC CALCULATIONS AND SYSTEM DESIGN TO THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ).

   3. ACTIVATION OF FIRE SUPPRESSION SYSTEM SHALL ALSO ACTIVATE FIRE ALARM INTERCONNECT AND ANNUNCIATOR SYSTEM.

   4. CONTRACTOR TO PROVIDE FIRE WATCH ANY TIME THE FIRE SUPPRESSION SYSTEM IS DEACTIVATED.

   5. COORDINATE WORK WITH LAMINATE ENGINEER, OTHER TRADES, AND FIRE ALARM COMPANY.

Sheet Title: PARTIAL 1ST FLOOR PLAN (NORTH) - FIRE SUPPRESSION NEW WORK

Scale: 1/8" = 1'-0" (24"x36" DRAWINGS)
EXISTING 6" STANDPIPE WITH 2.5" HOSE CONNECTION ON EACH FLOOR

SECOND FLOOR PLAN - FIRE SUPPRESSION NEW WORK

1/8" = 1'-0" (FOR 24"x36" DRAWINGS ONLY)

EXPLANATION

1. FIRE PROTECTION PIPE ROUTING IS SHOWN TO INDICATE DESIGN INTENT. FIRE PROTECTION CONTRACTOR MAY MAKE MINOR MODIFICATIONS TO MATCH VERTICAL AND HORIZONTAL CLEARANCES PER PROJECT INFORMATION SHEET DRAWING.

2. MANY WORK SHOWN RED.

3. DRAWN COORDINATIONS REACT TO GENERAL SCOPE OF WORK.

4. SUBMIT DETAILED WORKING DRAWINGS, INCLUDING BUT NOT LIMITED TO, NUMBER AND LOCATION OF SPRINKLERS, PIPE SIZING AND ROUTING BASED ON HYDRAULIC CALCULATIONS, HANGER LOCATIONS, SIESMIC BRACING CALCULATIONS, ETC. REFER TO NFPA 13 FOR COMPLETE LIST OF REQUIREMENTS. SUBMIT TO A/E AND AHJ FOR APPROVAL.

5. ELEVATIONS ON DRAWINGS ARE TO BOTTOM OF FIXTURE OR AS OTHERWISE NOTED.

6. PAINT ALL EXPOSED PIPING TO MATCH BACKGROUND OR AS DIRECTED BY OWNER.

7. CONTRACTOR IS RESPONSIBLE FOR ALL ARCHITECTURAL REPAIRS ASSOCIATED WITH THIS PROJECT.

8. INSTALL FIRE ALARM CONTRACTOR (ON FLOORS 1, 2, 3, 4, 5, 6, 7). COORDINATE LOCATION AND SIZE WITH FIRE ALARM CONTRACTOR.

9. PENETRATE WALL AND INSTALL NEW SLEEVE AND FIRE STOPPING FOR FIRE ALARM CONTRACTOR (ON FLOORS 1, 2, 3, 4, 5, 6, 7). COORDINATE LOCATION AND SIZE WITH FIRE ALARM CONTRACTOR.

10. ALL WALL PENETRATIONS AND SLEEVES BY FIRE SUPPRESSION CONTRACTOR. FIRE SUPPRESSION CONTRACTOR TO COORDINATE WITH FIRE ALARM CONTRACTOR ON LOCATION AND SIZE OF WALL OPENINGS. FIRE ALARM CONDUIT AND WIRING BY FIRE ALARM CONTRACTOR.

11. NEW FIRE SUPPRESSION PIPING SHALL BE ROUTED TO AVOID BLOCKING EXISTING ELECTRICAL JUNCTION BOXES.

12. INSTALL NEW 2" DRAIN STANDPIPE.

13. INSTALL NEW FIRE SUPPRESSION PIPING AND SPRINKLERS IN HALLWAY AS SHOWN. ALTERNATE SPACING FOR SPRINKLERS MAY BE USED PROVIDED THE SPRINKLERS ARE INSTALLED ACCORDING TO NFPA 13 AND THE SPRINKLER LISTING REQUIREMENTS.

14. INSTALL NEW FIRE SUPPRESSION PIPING AND SPRINKLERS IN ALL TWO (2) BEDROOM APARTMENTS (REFER TO F102 FOR TYPICAL TWO (2) BEDROOM APARTMENT), AND ALL ONE (1) BEDROOM APARTMENTS (AS SHOWN ON THIS DRAWING).

15. INSTALL NEW TAP AT 6" MAIN AND COMPONENTS AS SHOWN. FLOW SENSORS INSTALLED UNDER THIS FIRE SUPPRESSION CONTRACT

FOR BIDS ONLY
CONTRACTOR SHALL WORK FROM "ISSUED FOR CONSTRUCTION" DOCUMENTS OR LATER REVISIONS ONLY. CONTRACTOR SHALL NOT PURCHASE, FABRICATE OR CONSTRUCT FROM ANY DOCUMENTS "ISSUED FOR REVIEW, BIDS, OR PERMITS".
THIRD THROUGH SIXTH FLOOR PLAN - FIRE SUPPRESSION NEW WORK

SHEET NUMBER

1. Fire Protection pipe routing is shown to indicate design intent. Fire protection contractor shall coordinate with other trades to ensure proper installation and functionality.

2. Contractor shall work from "issued for construction" documents or later revisions only. Contractor shall not purchase, fabricate or construct from any documents "issued for review, bids, or permits".

3. Milling of existing concrete to allow for new piping installation.

4. New work shown in blue.

5. Existing 6" standpipe with 2.5" hose connection on each floor.

6. Elevation on drawings are to bottom of fixture or as otherwise noted.

7. Paint all exposed piping to match background or as directed by owner.

8. Contractor is responsible for all architectural repairs associated with this project.

9. FIRE PROTECTION PIPE ROUTING IS SHOWN TO INDICATE DESIGN INTENT. FIRE PROTECTION CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO ENSURE PROPER INSTALLATION AND FUNCTIONALITY.

10. CONTRACTOR SHALL WORK FROM "ISSUED FOR CONSTRUCTION" DOCUMENTS OR LATER REVISIONS ONLY. CONTRACTOR SHALL NOT PURCHASE, FABRICATE OR CONSTRUCT FROM ANY DOCUMENTS "ISSUED FOR REVIEW, BIDS, OR PERMITS".

11. MILLING OF EXISTING CONCRETE TO ALLOW FOR NEW PIPING INSTALLATION.

12. NEW WORK SHOWN IN BLUE.

13. EXISTING 6" STANDPIPE WITH 2.5" HOSE CONNECTION ON EACH FLOOR.

14. ELEVATIONS ON DRAWINGS ARE TO BOTTOM OF FIXTURE OR AS OTHERWISE NOTED.

15. PAINT ALL EXPOSED PIPING TO MATCH BACKGROUND OR AS DIRECTED BY OWNER.

16. CONTRACTOR IS RESPONSIBLE FOR ALL ARCHITECTURAL REPAIRS ASSOCIATED WITH THIS PROJECT.
SEVENTH FLOOR PLAN - FIRE SUPPRESSION NEW WORK

REFERENCE SCALE IN INCHES

EXISTING 6" STANDPIPE WITH 2.5" HOSE CONNECTION ON EACH FLOOR

EXISTING HEAD IN TRASH CHUTE ON 7TH FLOOR ONLY

NEW 2.5" FSP 12'-0" TYP.

KEYNOTES:
1. INSTALL NEW TAP AT 6" MAIN AND COMPONENTS AS SHOWN. FLOW SENSORS INSTALLED UNDER THIS FIRE SUPPRESSION CONTRACT. WIRED TO PANEL BY FIRE ALARM CONTRACTOR.
2. INSTALL NEW FIRE SUPPRESSION PIPING AND SPRINKLERS IN HALLWAY AS SHOWN. ALTERNATE SPACING FOR SPRINKLERS MAY BE USED PROVIDED THE SPRINKLERS ARE INSTALLED ACCORDING TO NFPA 13 AND THE SPRINKLER LISTING REQUIREMENTS.
3. INSTALL NEW FIRE SUPPRESSION PIPING AND SPRINKLERS IN ALL TWO (2) BEDROOM APARTMENTS (REFER TO F102 FOR TYPICAL TWO (2) BEDROOM APARTMENT), AND ALL ONE (1) BEDROOM APARTMENTS (REFER TO F103 FOR TYPICAL ONE (1) BEDROOM APARTMENT).
4. PENETRATE WALL AND INSTALL NEW SLEEVE AND FIRE STOPPING FOR FIRE ALARM CONTRACTOR (ON FLOORS 1, 2, 3, 4, 5, 6, 7). COORDINATE LOCATION AND SIZE WITH FIRE ALARM CONTRACTOR.
5. ALL WALL PENETRATIONS AND SLEEVES BY FIRE SUPPRESSION CONTRACTOR. FIRE SUPPRESSION CONTRACTOR TO COORDINATE WITH FIRE ALARM CONTRACTOR ON LOCATION AND SIZE OF WALL OPENINGS. FIRE ALARM CONDUIT AND WIRING BY FIRE ALARM CONTRACTOR.
6. NEW FIRE SUPPRESSION PIPING SHALL BE ROUTED TO AVOID BLOCKING EXISTING ELECTRICAL JUNCTION BOXES.

DRAWING NOTES:
1. FIRE PROTECTION PIPE ROUTING IS SHOWN TO INDICATE DESIGN INTENT. FIRE PROTECTION CONTRACTOR SHALL PROVIDE DETAILED WORKING DRAWINGS, INCLUDING BUT NOT LIMITED TO, EXACT NUMBER AND LOCATION OF SPRINKLERS, PIPE SIZING AND ROUTING BASED ON HYDRAULIC CALCULATIONS, HANGER LOCATIONS, SIESMIC BRACING CALCULATIONS, ETC. REFER TO NFPA 13 FOR COMPLETE LIST OF REQUIREMENTS. SUBMIT TO A/E AND AHJ FOR APPROVAL.
2. SEE GENERAL NOTES, SPECIFICATIONS, AND ADDITIONAL PROJECT INFORMATION ON GENERAL DRAWINGS.
3. NEW WORK SHOWN IN RED.
4. ELEVATIONS ON DRAWINGS ARE TO BOTTOM OF FIXTURE OR AS OTHERWISE NOTED.
5. PAINT ALL EXPOSED PIPING TO MATCH BACKGROUND OR AS DIRECTED BY OWNER.
6. CONTRACTOR IS RESPONSIBLE FOR ALL ARCHITECTURAL REPAIRS ASSOCIATED WITH THIS PROJECT.

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201 SOUTH ANN ARBOR STREET
SALINE, MI 48176

PH: 734.429.8900
FAX: 734.429.8901
www.imegcorp.com
**FIRE SPRINKLER USAGE SCHEDULE**

Refer to floor plans. All sprinkler valves shall be UL listed and pre-identified. Sprinkler coverage shall be based on NFPA 13D requirements.

**FIRE PROTECTION MATERIAL LIST**

Contractor shall specify manufacturers of fire protection products and systems压力 switch, and typical options are below.

**COMBINATION STANDPIPE/SPRINKLER SYSTEM VALVE DETAIL**

Refer to floor plans. All sprinkler valves shall be UL listed and pre-identified. Sprinkler coverage shall be based on NFPA 13D requirements.

# Report of Inspection/Test

**Annual NFPA 25**

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**2021-09-14**  
**Property**  
Miller Manor  
727 Miller  
Ann Arbor MI  
Tim Olivier  
Print Date: 2021-09-14

**Conducted by:** Kalin Sellers  
Arbor Inspection Services, LLC  
3735 Plaza Drive  
Ann Arbor MI 48108  
734-761-8088  
scott@arborinspections.com

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## Report of Inspection/Test General Questions

<table>
<thead>
<tr>
<th><strong>OWNER SECTION</strong></th>
<th></th>
<th><strong>SPRINKLER HEADS</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the building currently occupied or vacant?</td>
<td>Occupied</td>
<td>Has the occupancy classification or hazard content remained the same since last inspection?</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>SPRINKLER HEADS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is there a stocked spare head cabinet(s) with proper number/type of spare heads and wrench(s)? (Less than 300 requires minimum of 6, 300-1000 requires minimum of 12, over 1000 requires minimum of 24)</td>
<td>Yes</td>
<td>Do all visible sprinkler heads appear to be free of damage/foreign materials?</td>
<td>Yes</td>
</tr>
<tr>
<td>Are all standard response sprinkler heads less than 50 years old? If not, have those that are older than 50 years been successfully sample tested within the last 10 years as required?</td>
<td>Yes</td>
<td>Are all quick response sprinkler heads less than 20 years old? If not, have those that are older than 20 years been successfully sample tested within the last 10 years as required?</td>
<td>Yes</td>
</tr>
<tr>
<td>Have dry barrel sprinkler heads that are 10 years or older been successfully sample tested in the last 10 years as required?</td>
<td>N/A</td>
<td>Do all visible sprinkler heads appear to be free of manufacturers recall?</td>
<td>Yes</td>
</tr>
<tr>
<td>Do all visible sprinkler heads appear to be installed in their proper orientation?</td>
<td>Yes</td>
<td>Are all visible sprinkler heads properly adjusted with listed escutcheons in place?</td>
<td>Yes</td>
</tr>
<tr>
<td>Is there proper clearance below/around all visible sprinkler heads as required?</td>
<td>Yes</td>
<td>Are all visible standard response and quick response sprinkler heads properly separated?</td>
<td>Yes</td>
</tr>
<tr>
<td>Does the existing sprinkler coverage (within accessible and protected areas) appear to be adequate?</td>
<td>Yes</td>
<td>Are visible sprinkler heads in spray booth(s) properly protected from over spray as required?</td>
<td>N/A</td>
</tr>
<tr>
<td>Have sprinkler head(s) in spray booth(s)/duct(s) been properly inspected?</td>
<td>N/A</td>
<td>Are all visible sprinkler heads dated 1920 or later? All heads dated before 1920 must be replaced.</td>
<td>Yes</td>
</tr>
<tr>
<td>Are all sprinkler heads less than 75 years old, or if not, have they been tested/replaced in the last 5 years?</td>
<td>Yes</td>
<td>Are all sprinkler heads protected from harsh environments, or if not, have those that are exposed been tested/replaced in the last 5 years?</td>
<td>Yes</td>
</tr>
</tbody>
</table>
# Report of Inspection/Test

**Report of Inspection/Test for System - Wet Standpipe System**

<table>
<thead>
<tr>
<th>BACKFLOW PREVENTERS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the underground supply shared with the domestic water supply or separate?</td>
<td>Separate</td>
</tr>
<tr>
<td>Has the main backflow device been tested within the last 12 months as required?</td>
<td>Yes</td>
</tr>
<tr>
<td>Riser/backflow area appears to be properly heated with permanent heat source?</td>
<td>Yes</td>
</tr>
<tr>
<td>Has the meter bypass backflow device been tested within the last 12 months as required?</td>
<td>N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FIRE DEPARTMENT CONNECTION</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the FDC properly identified by signage and visible/accessible as required?</td>
<td>Yes</td>
</tr>
<tr>
<td>Does the FDC appear to be free of damage/debris and are caps/plugs in place as required?</td>
<td>Yes</td>
</tr>
<tr>
<td>Is there a properly installed ball drip on the FDC as required?</td>
<td>Yes</td>
</tr>
<tr>
<td>Has the FDC piping been hydro-statically tested in the last 5 years as required?</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PIPES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of piping installed?</td>
<td>Steel</td>
</tr>
<tr>
<td>Does all visible piping appear to be in good condition, properly supported and free from external loads?</td>
<td>Yes</td>
</tr>
<tr>
<td>Has an internal visual inspection of piping been performed in the last 5 years as required?</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FIRE ALARM PANEL</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the fire alarm panel clear upon arrival?</td>
<td>Yes</td>
</tr>
<tr>
<td>Is the fire alarm monitored?</td>
<td>Yes</td>
</tr>
<tr>
<td>Did the panel report all activations as required?</td>
<td>Yes</td>
</tr>
<tr>
<td>Is the fire alarm panel clear upon departure?</td>
<td>No</td>
</tr>
<tr>
<td>Did the local audible/visual signal(s) operate?</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RISER</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Is there a legible hydraulic calculation posted on this riser?</td>
<td>N/A</td>
</tr>
<tr>
<td>Is the main drain valve properly sized/installed and separated from the gauge as required?</td>
<td>Yes</td>
</tr>
<tr>
<td>Are gauge(s) in good condition and less than 5 years old? Replacement required every 5 years.</td>
<td>Yes</td>
</tr>
<tr>
<td>Riser area appears to be properly heated with a permanent heat source?</td>
<td>Yes</td>
</tr>
</tbody>
</table>

# Report of Inspection/Test for System - Wet Trash/Storage Room

<table>
<thead>
<tr>
<th>BACKFLOW PREVENTERS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the underground supply shared with the domestic water supply or separate?</td>
<td>Separate</td>
</tr>
<tr>
<td>Has the main backflow device been tested within the last 12 months as required?</td>
<td>N/A</td>
</tr>
<tr>
<td>Riser/backflow area appears to be properly heated with permanent heat source?</td>
<td>Yes</td>
</tr>
<tr>
<td>Has the meter bypass backflow device been tested within the last 12 months as required?</td>
<td>N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FIRE DEPARTMENT CONNECTION</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the FDC properly identified by signage and visible/accessible as required?</td>
<td>N/A</td>
</tr>
<tr>
<td>Does the FDC appear to be free of damage/debris and are caps/plugs in place as required?</td>
<td>N/A</td>
</tr>
</tbody>
</table>
### Report of Inspection/Test

**Annual NFPA 25**

2021-09-14  
**Property**  
Miller Manor  
727 Miller  
Ann Arbor MI  
Tim Olivier  
Print Date: 2021-09-14  

**Conducted by:** Kalin Sellers  
Arbor Inspection Services, LLC  
3735 Plaza Drive  
Ann Arbor MI 48108  
734-761-8088  
scott@arborinspections.com

<table>
<thead>
<tr>
<th><strong>Is there a properly installed ball drip on the FDC as required?</strong></th>
<th>N/A</th>
<th><strong>Has the FDC piping been hydro-statically tested in the last 5 years as required?</strong></th>
<th>N/A</th>
</tr>
</thead>
</table>

**PIPES**

<table>
<thead>
<tr>
<th><strong>Type of piping installed?</strong></th>
<th>Steel</th>
<th><strong>Does all visible piping appear to be in good condition, properly supported and free from external loads?</strong></th>
<th>Yes</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Has an internal visual inspection of piping been performed in the last 5 years as required?</strong></th>
<th>Yes</th>
</tr>
</thead>
</table>

**FIRE ALARM PANEL**

<table>
<thead>
<tr>
<th><strong>Is the fire alarm panel clear upon arrival?</strong></th>
<th>Yes</th>
<th><strong>Is the fire alarm monitored?</strong></th>
<th>Yes</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Did the panel report all activations as required?</strong></th>
<th>Yes</th>
<th><strong>Is the fire alarm panel clear upon departure?</strong></th>
<th>Yes</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Did the local audible/visual signal(s) operate?</strong></th>
<th>Yes</th>
</tr>
</thead>
</table>

**RISER**

<table>
<thead>
<tr>
<th><strong>Is there a legible hydraulic calculation posted on this riser?</strong></th>
<th>N/A</th>
<th><strong>Is the main drain valve properly sized/installed and separated from the gauge as required?</strong></th>
<th>Yes</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Are gauge(s) in good condition and less than 5 years old?</strong></th>
<th>N/A</th>
<th><strong>Riser area appears to be properly heated with a permanent heat source?</strong></th>
<th>Yes</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Replacement required every 5 years:</strong></th>
</tr>
</thead>
</table>

**Report of Inspection/Test for System - Wet Trash Chute**

**BACKFLOW PREVENTERS**

<table>
<thead>
<tr>
<th><strong>Is the underground supply shared with the domestic water supply or separate?</strong></th>
<th>Separate</th>
<th><strong>Riser/backflow area appears to be properly heated with permanent heat source?</strong></th>
<th>Yes</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Has the main backflow device been tested within the last 12 months as required?</strong></th>
<th>N/A</th>
<th><strong>Has the meter bypass backflow device been tested within the last 12 months as required?</strong></th>
<th>N/A</th>
</tr>
</thead>
</table>

**FIRE DEPARTMENT CONNECTION**

<table>
<thead>
<tr>
<th><strong>Is the FDC properly identified by signage and visible/accessible as required?</strong></th>
<th>N/A</th>
<th><strong>Does the FDC appear to be free of damage/debris and are caps/plugs in place as required?</strong></th>
<th>N/A</th>
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<tr>
<th><strong>Is there a properly installed ball drip on the FDC as required?</strong></th>
<th>N/A</th>
<th><strong>Has the FDC piping been hydro-statically tested in the last 5 years as required?</strong></th>
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<tr>
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<tr>
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</table>

<table>
<thead>
<tr>
<th><strong>Did the local audible/visual signal(s) operate?</strong></th>
<th>Yes</th>
</tr>
</thead>
</table>

---

*Report of Inspection/Test Annual NFPA 25*  
*Conducted by: Kalin Sellers*  
*Arbor Inspection Services, LLC*  
*3735 Plaza Drive*  
*Ann Arbor MI 48108*  
*734-761-8088*  
*scott@arborinspections.com*  

*Copyright 2021 Inspect Point*  
*Page 3 of 11*
<table>
<thead>
<tr>
<th>Did the local audible/visual signal(s) operate?</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RISER</strong></td>
<td></td>
</tr>
<tr>
<td>Is there a legible hydraulic calculation posted on this riser?</td>
<td>N/A</td>
</tr>
<tr>
<td>Are gauge(s) in good condition and less than 5 years old? Replacement required every 5 years.</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Report of Inspection/Test for System - Wet Boiler Room</strong></td>
<td></td>
</tr>
<tr>
<td><strong>BACKFLOW PREVENTERS</strong></td>
<td></td>
</tr>
<tr>
<td>Is the underground supply shared with the domestic water supply or separate?</td>
<td>Separate</td>
</tr>
<tr>
<td>Has the main backflow device been tested within the last 12 months as required?</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>FIRE DEPARTMENT CONNECTION</strong></td>
<td></td>
</tr>
<tr>
<td>Is the FDC properly identified by signage and visible/accessible as required?</td>
<td>N/A</td>
</tr>
<tr>
<td>Is there a properly installed ball drip on the FDC as required?</td>
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</tr>
<tr>
<td><strong>PIPES</strong></td>
<td></td>
</tr>
<tr>
<td>Type of piping installed?</td>
<td>Steel</td>
</tr>
<tr>
<td>Has an internal visual inspection of piping been performed in the last 5 years as required?</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>FIRE ALARM PANEL</strong></td>
<td></td>
</tr>
<tr>
<td>Is the fire alarm panel clear upon arrival?</td>
<td>Yes</td>
</tr>
<tr>
<td>Did the panel report all activations as required?</td>
<td>Yes</td>
</tr>
<tr>
<td>Did the local audible/visual signal(s) operate?</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>RISER</strong></td>
<td></td>
</tr>
<tr>
<td>Is there a legible hydraulic calculation posted on this riser?</td>
<td>N/A</td>
</tr>
<tr>
<td>Are gauge(s) in good condition and less than 5 years old? Replacement required every 5 years.</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Report of Inspection/Test for Asset - Electric Fire Pump</strong></td>
<td></td>
</tr>
<tr>
<td>MISCELLANEOUS</td>
<td></td>
</tr>
<tr>
<td>Fire pump house/area appears to be properly heated with a permanent heat source?</td>
<td>Yes</td>
</tr>
</tbody>
</table>
## Report of Inspection/Test for Asset - Standpipe South Stair

### Owner Section
- Record the number of 1.5" hose valves: N/A

### Inspection
- Do all hose valves and/or hose stations appear to be properly accessible as required?: Yes
- Are all hoses in place, properly racked and appear to be in good visual condition?: N/A
- Record the number of 1.5" fire hoses: N/A
- Have all accessible 1.5" fire hoses been tested/tagged in the last 12 months as required?: N/A
- Do all hose valves (1.5" and 2.5") appear to be in good visual condition and properly installed?: Yes
- Record the number of 2.5" hose valves: 8
- Has the standpipe been tested within the last 5 years as required?: Yes

### Hose Valves - Standpipe South Stair

<table>
<thead>
<tr>
<th>Location</th>
<th>Has PRV</th>
<th>Good Condition</th>
<th>PSI</th>
<th>Exercised</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4th Floor</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6th Floor</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3rd Floor</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5th Floor</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8th Floor</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2nd Floor</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st Floor</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7th Floor</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Report of Inspection/Test for Asset - Standpipe North Stair

### Owner Section
- Record the number of 1.5" hose valves: N/A

### Inspection
Do all hose valves and/or hose stations appear to be properly accessible as required? Yes  
Are all hoses in place, properly racked and appear to be in good visual condition? N/A  
Record the number of 1.5" fire hoses N/A  
Have all accessible 1.5" fire hoses been tested/tagged in the last 12 months as required? N/A  
Do all hose valves (1.5" and 2.5") appear to be in good visual condition and properly installed? Yes  
Has the standpipe been tested within the last 5 years as required? Yes

### HOSE VALVES - Standpipe North Stair

<table>
<thead>
<tr>
<th>Location</th>
<th>Has PRV</th>
<th>Good Condition</th>
<th>PSI</th>
<th>Exercised</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>7th Floor</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4th Floor</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6th Floor</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st Floor</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2nd Floor</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5th Floor</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3rd Floor</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### MAIN DRAIN FLOW TESTS

<table>
<thead>
<tr>
<th>System</th>
<th>Initial static</th>
<th>Residual</th>
<th>Static</th>
<th>Seconds to Return to Initial Static</th>
<th>Flow Observed?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wet Standpipe System</td>
<td>108</td>
<td>72</td>
<td>78</td>
<td>2</td>
<td>Yes</td>
</tr>
<tr>
<td>Wet Trash/Storage Room</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>Wet Trash Chute</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>Wet Boiler Room</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### INSPECTORS TEST CONNECTION

<table>
<thead>
<tr>
<th>System</th>
<th>Location</th>
<th>Description</th>
<th>Time to Alarm (seconds)</th>
<th>Reported?</th>
<th>Smooth Orifice</th>
<th>Easily Accessible</th>
<th>Signs?</th>
<th>Pass?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wet Trash/Storage Room</td>
<td>Trash room</td>
<td>1.25&quot; globe</td>
<td>Under 60</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Wet Trash Chute</td>
<td>Trash room</td>
<td>1&quot; globe</td>
<td>Under 60</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Office Break Room</td>
<td>1&quot; Ball ITV</td>
<td>Under 60</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
# VALVES

<table>
<thead>
<tr>
<th>System</th>
<th>Description</th>
<th>Location</th>
<th>Valve Type</th>
<th>Size</th>
<th>Secured</th>
<th>Open</th>
<th>Easily Accessible</th>
<th>Signs</th>
<th>Exercised</th>
<th>Stems Lubricated</th>
<th>Flow Pass</th>
<th>Tamper Pass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wet Trash/Storage Room</td>
<td>Control valve</td>
<td>Trash room</td>
<td>Butterfly</td>
<td>2-1/2&quot;</td>
<td>Sealed/Tampered</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Wet Boiler Room</td>
<td>Control valve</td>
<td>1st Floor Stair</td>
<td>OS&amp;Y</td>
<td>2&quot;</td>
<td>Sealed/Tampered</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Wet Standpipe System</td>
<td>City 1</td>
<td>Pump room</td>
<td>OS&amp;Y</td>
<td>6&quot;</td>
<td>Monitored And Locked</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>Wet Standpipe System</td>
<td>Bypass 1</td>
<td>Pump room</td>
<td>OS&amp;Y</td>
<td>6&quot;</td>
<td>Monitored</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>Wet Standpipe System</td>
<td>Riser check</td>
<td>Trash room</td>
<td>Check Valve</td>
<td>2-1/2&quot;</td>
<td>Not Applicable</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Wet Standpipe System</td>
<td>Discharge</td>
<td>Pump room</td>
<td>OS&amp;Y</td>
<td>6&quot;</td>
<td>Monitored</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>Wet Standpipe System</td>
<td>Header</td>
<td>Pump room</td>
<td>Butterfly</td>
<td>6&quot;</td>
<td>Monitored And Locked</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Wet Standpipe System</td>
<td>Standpipe</td>
<td>1st Floor Stair</td>
<td>OS&amp;Y</td>
<td>6&quot;</td>
<td>Locked</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Wet Standpipe System</td>
<td>Standpipe</td>
<td>1st Floor N. Stair</td>
<td>OS&amp;Y</td>
<td>6&quot;</td>
<td>Sealed/Tampered</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

# DRAIN VALVES

<table>
<thead>
<tr>
<th>System</th>
<th>Description</th>
<th>Location</th>
<th>Drain</th>
<th>Aux Drain Drained</th>
<th>Water Flow Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wet Standpipe System</td>
<td>Main drain</td>
<td>Pump room</td>
<td>Ball Valve</td>
<td>N/A</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Questions with Photos and Notes

<table>
<thead>
<tr>
<th>Question</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Does the existing sprinkler coverage (within accessible and protected areas) appear to be adequate?</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Notes:

Coverage limited to trash chute, trash room, compactor room, boiler room, and main office area only.
Deficiencies - Wet Standpipe System

Is the fire alarm panel clear upon departure?  
No

Notes:

*The panel read a 2nd floor smoke/pull trouble at departure.*

Deficiencies - Valves

Location: 1st floor S. Stair

Description: Standpipe

Stems Lubricated?  
No

Notes:

*The OS&Y is difficult to exercise. Lubricant was applied during the inspection.*
Location: 1st floor N. Stair

Description: Standpipe

Stems Lubricated? No

Notes:

The OS&Y is difficult to exercise. Lubricant was applied during the inspection.
I state that the information on this form is correct at the time and place of my inspection, and all equipment tested at this time was left in operational condition upon completion of this inspection except as noted.

<table>
<thead>
<tr>
<th>Inspector Name</th>
<th>Signature</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kalin Sellers</td>
<td></td>
<td>2021-09-14</td>
</tr>
</tbody>
</table>

CUSTOMER RESPONSIBILITIES - Customer shall be responsible for maintaining adequate heat throughout the facility to prevent freezing or damage to the existing fire protection systems. Customer understands and expressly acknowledges that fire protection systems are susceptible to damage by water intrusion, ice, or other conditions inside the piping that Arbor Inspection Services (Company) cannot detect upon inspection. In the event that water, ice, or other conditions occur which render the fire protection system inoperable or damaged, Company expressly disclaims any responsibility for such conditions, and assumes no responsibility to investigate the cause, source or extent of such condition. Customer acknowledges this warning, and acknowledges that under NFPA and other applicable codes and regulations, it is the responsibility of the Customer to maintain its fire protection system, including but not limited to ensuring proper drainage. Failure to properly maintain or drain such systems may lead to breaks or other conditions that may render the fire protection system inoperable, or that damage to the system may result in injury, damage to property and loss of use. INTENT OF INSPECTION - This inspection/testing is not intended to be a code review, a system or code compliance evaluation, a occupancy/hazard of contents survey or to provide maintenance. INSPECTION WARRANTY DISCLAIMER - This inspection is not a guarantee or warranty that the system will in all cases provide the level of protection for which it was originally intended, is free of all defects and deficiencies, or is in compliance with all applicable codes. Customer agrees that it has not retained Company to make these assessments unless otherwise specifically indicated.

<table>
<thead>
<tr>
<th>Client Name</th>
<th>Signature</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eric Sexton</td>
<td></td>
<td>2021-09-14</td>
</tr>
</tbody>
</table>
## WATER FLOW TEST REPORT

**HYDRANT # LOCATION:** 02-01780 727 Miller  
**DATE:** 5/13/2022

**TEST BY:** Arbor Inspection/AAFD  
**Time of Day:** 10:00  
**MIN. OF FLOW:** 5

**WATER SUPPLIED BY:** Municipal

**PURPOSE OF TEST:** REQUEST BY: Arbor Inspection Services

<table>
<thead>
<tr>
<th>FLOW HYDRANT(S)</th>
<th>02-02798</th>
<th>02-02798</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIZE OPENING</td>
<td>2.5</td>
<td>2.5</td>
</tr>
<tr>
<td>COEFFICIENT</td>
<td>0.9</td>
<td>0.9</td>
</tr>
<tr>
<td>PITOT READING</td>
<td>35</td>
<td>37</td>
</tr>
<tr>
<td>GPM</td>
<td>993</td>
<td>1021</td>
</tr>
</tbody>
</table>

**TOTAL FLOW DURING TEST:** 2013 GPM

**STATIC READING:** 63 PSI  
**RESIDUAL:** 60 PSI

**RESULTS:**
- AT 20 PSI RESIDUAL: 8479 GPM
- AT 0 PSI: 10421 GPM

**ESTIMATED CONSUMPTION:** 10067 GAL.

**REQUEST BY:** Arbor Inspection Services

---

**Graph**: Flow vs. Pressure

- X-axis: Flow, gpm
- Y-axis: Pressure, psig

---

**Provided by the:** Ann Arbor Fire Department  
111 N Fifth Ave.  
Ann Arbor, Michigan 48103  
(734) 794-6979
<table>
<thead>
<tr>
<th>Color</th>
<th>OZ</th>
<th>32</th>
<th>64</th>
<th>128</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>-</td>
<td>4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Maroon</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Deep Gold</td>
<td>-</td>
<td>9</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

One Gallon: B20W12651
Extra White: 650865017

Surface Not Supplied

Non Returnable Tinted Color

**CAUTION:** To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.