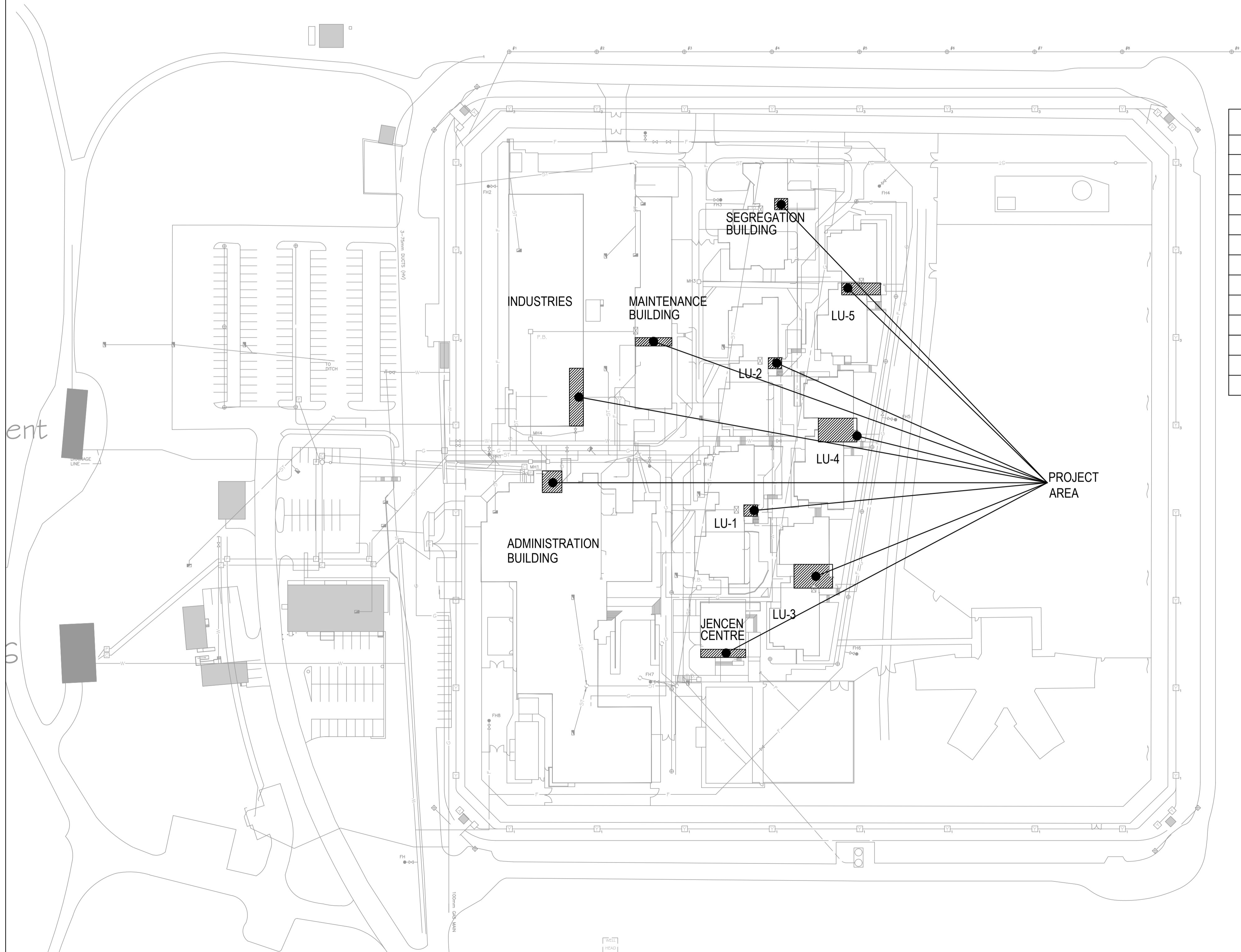




CONTRACT NUMBER: R.089147.001

MISSION MEDIUM INSTITUTION WATER MAIN, DCW & SPRINKLER VALVES REPLACEMENT

8751 STAVE LAKE ST. MISSION, B.C.



DRAWING LIST	
NUMBER	DESCRIPTION
M0-00	COVER SHEET, DRAWING LIST
M0-01	OVER ALL PLAN, MECHANICAL LEGENDS AND NOTES
M0-02	MECHANICAL PHASING
M1-00	DCW VALVE ROOMS-DEMO PLAN-LIVING UNITS 1,2,3,4
M1-01	DCW VALVE ROOMS-DEMO PLAN-LIVING UNIT 5, SEGREGATION BUILDING AND JENSEN CENTRE
M1-02	DCW VALVE ROOMS-DEMO PLAN-ADMINISTRATION BUILDING, INDUSTRIES AND MAINTENANCE BUILDING
M2-00	FIRE PROTECTION (FP) VALVE ROOMS-DEMO PLAN-LIVING UNITS 1,2,3,4
M2-01	FIRE PROTECTION (FP) VALVE ROOMS-DEMO PLAN-LIVING UNIT 5, SEGREGATION BUILDING AND JENSEN CENTRE
M2-02	FIRE PROTECTION (FP) VALVE ROOMS-DEMO PLAN-ADMINISTRATION BUILDING, INDUSTRIES AND MAINTENANCE BUILDING
M3-00	VALVE ROOMS-NEW PLAN-LIVING UNITS 1,2,3,4- DCW & FP
M3-01	VALVE ROOMS-NEW PLAN-LIVING UNIT 5, SEGREGATION BUILDING AND JENSEN CENTRE- DCW & FP
M3-02	VALVE ROOMS-NEW PLAN-ADMINISTRATION BUILDING, INDUSTRIES AND MAINTENANCE BUILDING- DCW & FP

INDICATIVE LOCATION  
OF VALVE ROOM



Engineers & Geoscientists BC Permit #1000200



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0	Issued for 33% review	14/05/2018

Client/client

**CORRECTIONAL SERVICES  
OF CANADA**

8751 STAVE LAKE ST.  
MISSION, B.C.

Project title/Titre du projet  
**MISSION, B.C.  
8751 STAVE LAKE ST.**

**MISSION MEDIUM INSTITUTION  
WATERMAIN REPLACEMENT  
DCW & SPRINKLER VALVES REPLACEMENT**

Consultant Signature Only

Designed by/Concept par  
NK

Drawn by/Dessine par  
MD

PWSC Project Manager/Administrateur de Projets TPSCG  
TONY TANG

Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSCG

Drawing title/Titre du dessin  
**COVER SHEET AND DRAWING LIST**

161-11296-01

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.089147.001	<b>M0-00</b>	<b>7</b>

1 OF 12

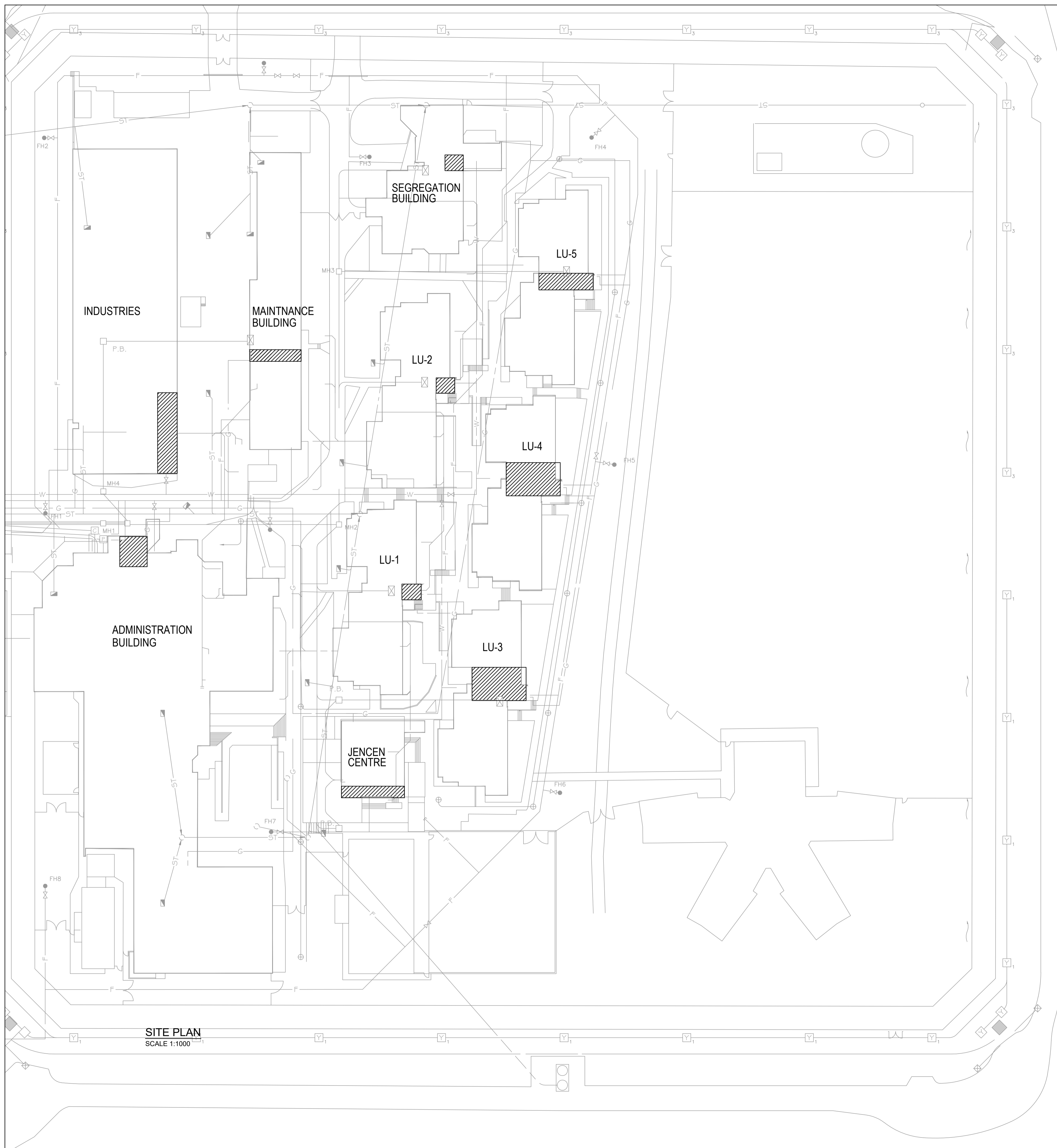


**MECHANICAL LEGEND**

- GLOBE VALVE
- CHECK VALVE
- GATE VALVE
- PIPE DROP
- PIPE TRAP
- PIPE RISER
- PIPE BREAK
- PLUG VALVE
- PRESSURE GAUGE
- PRESSURE REDUCING VALVE
- PRESSURE RELIEF VALVE
- UNION
- VALVE NORMALLY CLOSED
- THERMOMETER
- EXCESS PRESSURE PUMP
- BUTTERFLY VALVE
- FLOW SWITCH
- ALARM CHECK VALVE
- ARROW
- STRAINER
- CAP
- BE DEMOLISHED
- EXISTING PIPE
- NEW PIPE
- DEMO** DEMOLITION
- LU** LIVING UNIT
- RENO** RENOVATION
- FP** FIRE PROTECTION

**GENERAL NOTES:**

1. THE SITE CONDITION WILL NOT ALLEVIATE THE CONTRACTORS FROM THEIR RESPONSIBILITY TO EXECUTE THE CONTRACT DOCUMENTS TO THEIR FULL INTENT.
2. CONTRACTOR TO CONFIRM AND VERIFY EXISTING CONDITION, LOCATIONS, SIZES OF ALL MECHANICAL, ELECTRICAL, AND GENERAL CONTRACT WORK. PRIOR TO START OF WORK.
3. REMOVE AND RECONNECT ANY EXISTING PIPING, EQUIPMENT, ELECTRICAL, CONTROLS, ETC. TO COMPLETE NEW WORK.
4. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURE'S INSTALLATION INSTRUCTIONS. INSTALL UNITS PLUMB AND LEVEL, FIRMLY ANCHORED IN LOCATIONS INDICATED AND MAINTAIN MANUFACTURE'S RECOMMENDED CLEARANCES.
5. CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
6. PROVIDE CORING, SCANNING, CUTTING AND PATCHING TO PERFORM WORK. PATCH AND MAKE GOOD ALL WORK. PRIOR TO CUTTING AND CORING, REQUIRES APPROVAL FROM STRUCTURAL ENGINEER.
7. THE DRAWINGS INDICATE THE GENERAL ROUTING OF THE SYSTEMS AND ARE DIAGRAMMATIC IN NATURE. THEY ESTABLISH SCOPE, MATERIAL AND INSTALLATION QUALITY AND ARE NOT DETAILED INSTALLATION INSTRUCTIONS. THE EXACT ROUTING OF ALL PIPING SYSTEMS IS TO BE COORDINATED ON SITE TO AVOID CONFLICTS WITH THE WORK OF OTHER DISCIPLINES.
8. LEGALLY DISPOSE OF ALL DEMOLISHED AND UNUSED MATERIALS SUCH AS DUCTWORK, PIPING, EQUIPMENT, ETC. TURN OVER ANY RE-USEABLE MATERIALS AT OWNER'S DISCRETION AND DECISION.
9. REPLACE DCW THE WATER MAIN TO 1 METER OUTSIDE THE BUILDING TO CONNECT WITH THE EXTERNAL UNDERGROUND SUPPLY MAIN.
10. REPLACE THE FIRE PROTECTION (FP) MAIN TO 1 METER OUTSIDE THE BUILDING TO CONNECT WITH THE EXTERNAL UNDERGROUND SUPPLY MAIN.
11. INSTALL PIPING SUPPORT ON PRV AND VALVE STATION FOR WATER ENTRY IN MECHANICAL ROOMS.



**SITE PLAN**  
SCALE 1:1000



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**CORRECTIONAL SERVICES OF CANADA**

8751 STAVE LAKE ST.  
MISSION, B.C.

Project title/Titre du projet  
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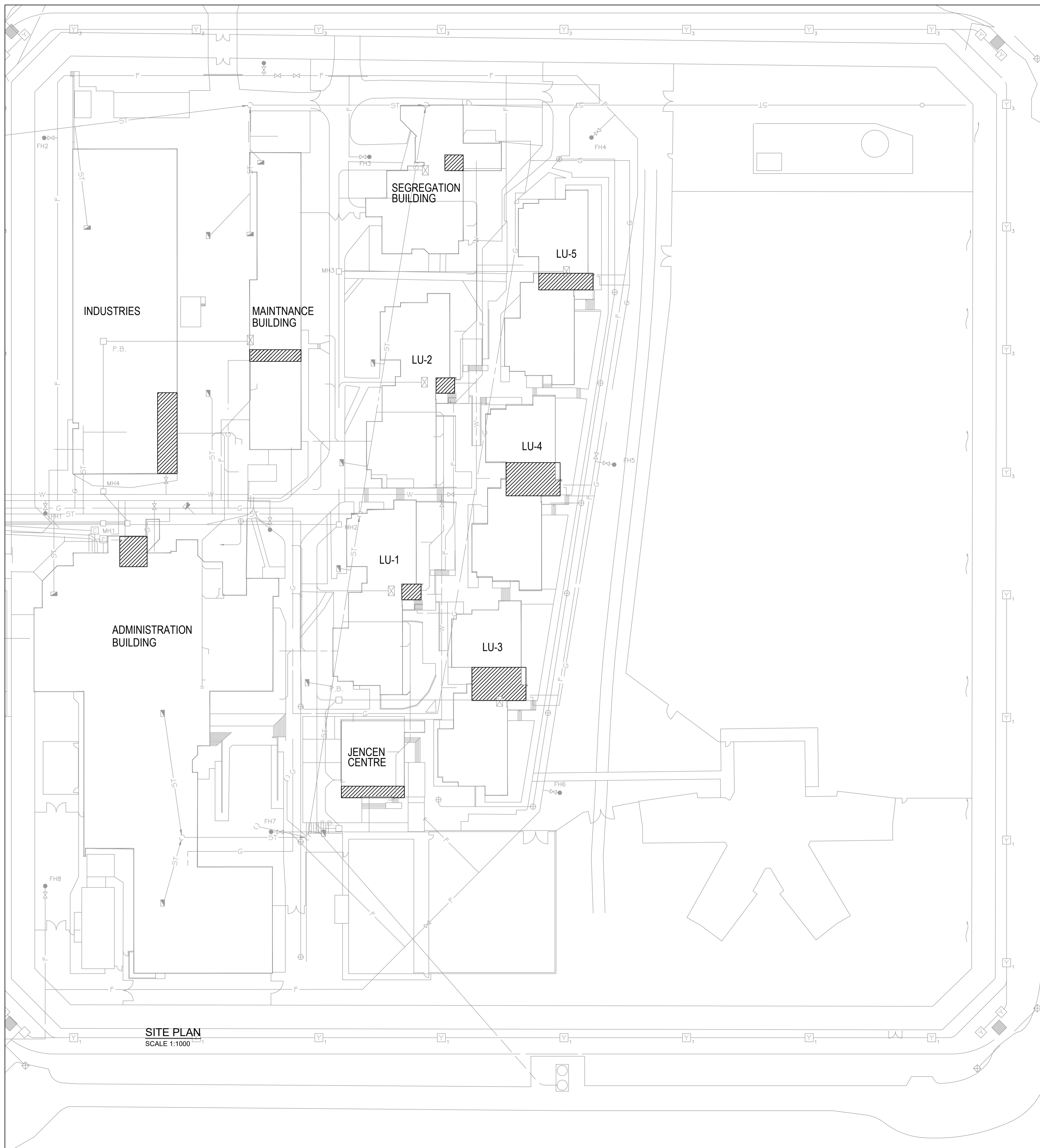
**MISSION MEDIUM INSTITUTION WATERMAIN REPLACEMENT  
DCW & SPRINKLER VALVES REPLACEMENT**

Consultant Signature Only

Designed by/Concept par  
NK  
Drawn by/Dessine par  
MD  
PWGSC Project Manager/Administrateur de Projets TPSCG  
TONY TANG  
Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSCG

Drawing title/Titre du dessin  
**OVER ALL PLAN,  
MECHANICAL LEGEND AND NOTES**

161-11296-01	Project No./No. du projet <b>R.089147.001</b>	Sheet/Feuille <b>M0-01</b> 2 OF 12	Revision no./ La Révision no. <b>7</b>
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**SITE PLAN**  
SCALE 1:1000

  
**INDICATIVE LOCATION OF VALVE ROOM**



**1.0 GENERAL REQUIREMENTS**

- 1.1 ALL BUILDINGS LOCATED WITHIN MISSION MEDIUM INSTITUTION COMPLEX WILL REMAIN OPERATIONAL THROUGHOUT CONSTRUCTION. THIS WILL MEAN THAT ALL LIFE SAFETY AND SECURITY SYSTEMS MUST BE OPERATIONAL AT ALL TIMES. BEFORE ANY EQUIPMENT IS REMOVED FROM OPERATION, THE REPLACEMENT EQUIPMENT MUST BE OPERATIONAL, SO THAT THERE IS A SEAMLESS TRANSITION. IF THERE WILL BE A SHUT DOWN OF ANY LIFE SAFETY OR SECURITY EQUIPMENT, THE CONTRACTOR TO NOTIFY THE DEPARTMENTAL REPRESENTATIVE 6 WEEKS IN ADVANCE, SO THAT ALTERNATIVE MEASURES CAN BE MADE FOR TEMPORARILY RELOCATING THE OCCUPANTS OF THE UNIT. FOR THE TEMPORARY SHUTDOWN OF NON-LIFE SAFETY SYSTEMS, SUCH AS THE DCW SYSTEM, THE CONTRACTOR TO NOTIFY THE DEPARTMENTAL REPRESENTATIVE 2 WEEKS IN ADVANCE.
- 1.2 ALL HOARDING TO BE CONSIDERED FROM FLOOR TO CEILING AS REQUIRED.

**2.0 PHASES OF CONSTRUCTION**

- 2.1 THE CONSTRUCTION TO FOLLOW THE PHASES OF CONSTRUCTION. IT IS THE CONTRACTORS' RESPONSIBILITY TO REVIEW EACH PHASE AND BRING ANY ISSUES THAT MIGHT COMPROMISE THE CONTINUOUS OPERATION OF THE BUILDINGS WITHIN THE INSTITUTION TO THE ATTENTION OF THE DEPARTMENTAL REPRESENTATIVE SO THAT CHANGES CAN BE MADE.
- 2.2 IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE INTENTION OF THE PHASES AND DO THE WORK IN AN ORDER THAT BRINGS THE LEAST AMOUNT OF DISRUPTION TO THE OCCUPANTS OF THE INSTITUTION.
- 2.3 ANY WORK THAT MUST BE DONE TO ALLOW FOR THE WORK LISTED IN THE PHASES TO BE DONE, IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE DEPARTMENTAL REPRESENTATIVE. THE CONTRACTOR TO NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF HIS/HER EXPECTATIONS AND SCHEDULE FOR THE REMOVAL OF SECURITY FENCING, FURNITURE AND EQUIPMENT ETC. FROM THE SPACES THAT WILL BE UNDER CONSTRUCTION.

**3.0 CONSTRUCTION PHASES: (DOMESTIC COLD WATER -MECHANICAL)**

- 3.1 PHASE: 1 - DCW PREPARATION AND INSTALLATION (ANY BUILDING DEPENDING ON AVAILABILITY TO WORK)
  - A. TAKE NECESSARY MEASURES TO ASSEMBLE THE VALVE STATION AS PER DRAWING M3-00 TO M3-02.
  - B. ASSEMBLE THE VALVE STATION IN ANY CONVENIENT LOCATION ALLOWED BY DEPARTMENTAL REPRESENTATIVE.
  - C. DEMO THE EXISTING VALVE STATION
  - D. ADD THE MAIN SUPPLY VALVE
  - E. ADD THE NEW VALVE STATION ASSEMBLY TO THE SYSTEM

NOTE: CONTRACTOR SHALL HAVE SUFFICIENT PREPARATION TO REPLACE THE EXISTING DCW VALVE STATION WITHIN 2 HOURS. ALSO CONTRACTOR SHALL NOTIFY THE DEPARTMENTAL REPRESENTATIVE 2 WEEKS IN ADVANCE ABOUT THE WATER SHUT-OFF DURING THE DCW VALVE STATION REPLACEMENT WORK SO THAT THE DEPARTMENTAL REPRESENTATIVE CAN TAKE NECESSARY STEPS.

3.2 PHASE: 2 - CONNECTION TO NEW EXTERNAL SUPPLY MAIN IN COORDINATION WITH CIVIL WORK

- A. TAKE NECESSARY MEASURES TO CONNECT THE VALVE STATION WITH NEW SUPPLY MAIN.
- B. TAKE NECESSARY STEPS TO DEMO THE WALL, EXCAVATE WHEREVER NECESSARY AND BE PREPARED TO CONNECT WITH THE NEW EXTERNAL SUPPLY MAIN IN COORDINATION WITH CIVIL.
- C. CONNECT THE NEW PIPE IN BETWEEN DCW SUPPLY VALVE AND EXTERNAL SUPPLY MAIN OUTLET WITHIN THE TIMEFRAME PROVIDED BY CIVIL AND DEPARTMENTAL REPRESENTATIVE.

NOTE: CONTRACTOR SHALL HAVE SUFFICIENT PREPARATION TO REPLACE THE EXISTING DCW SUPPLY LINE WITH NEW SUPPLY LINE WITHIN THE TIMEFRAME APPROVED BY THE DEPARTMENTAL REPRESENTATIVE. THIS WORK REQUIRED TO BE DONE IN FULL COORDINATION WITH CIVIL WORK.

**4.0 CONSTRUCTION PHASES: (FIRE PROTECTION-MECHANICAL)**

4.1 PHASE: 1 - FIRE PROTECTION PREPARATION AND INSTALLATION (ANY BUILDING DEPENDING ON AVAILABILITY TO WORK)

- A. CLOSE THE WATER SUPPLY VALVE FOR THE BUILDING AND DRAIN WATER AVAILABLE IN THE PIPE NETWORK.
- B. REMOVE EXISTING VALVES, PIPES AND PUMP AS PER DEMO PLAN M2-00 TO M2-01
- C. ADD NEW VALVE, PIPE AND PUMP AS PER DRAWING M3-00 TO M3-02

NOTE: THIS WORK IS RELATED TO LIFE SAFETY. CONTRACTOR TO ESTIMATE APPROPRIATE TIMELINE FOR THIS WORK AND REQUEST FOR FIRE-WATCH DURING DEMOLITION AND THE REPLACEMENT WORK.

4.2 PHASE: 2 - CONNECTION TO NEW FIRE PROTECTION SUPPLY MAIN IN COORDINATION WITH CIVIL WORK

- A. TAKE NECESSARY MEASURES TO CONNECT THE FIRE PROTECTION RISER WITH NEW FIRE PROTECTION SUPPLY MAIN.
- B. TAKE NECESSARY STEPS TO DEMO THE WALL, EXCAVATE WHEREVER NECESSARY AND BE PREPARED TO CONNECT WITH THE NEW EXTERNAL FIRE PROTECTION SUPPLY MAIN IN COORDINATION WITH CIVIL.
- C. CONNECT THE NEW PIPE IN BETWEEN FIRE PROTECTION RISER VALVE AND EXTERNAL FIRE PROTECTION SUPPLY MAIN OUTLET WITHIN THE TIMEFRAME PROVIDED BY CIVIL AND DEPARTMENTAL REPRESENTATIVE.

NOTE: CONTRACTOR SHALL HAVE SUFFICIENT PREPARATION TO REPLACE THE EXISTING FIRE PROTECTION SUPPLY LINE WITH NEW FIRE PROTECTION SUPPLY LINE WITHIN THE TIMEFRAME APPROVED BY THE DEPARTMENTAL REPRESENTATIVE. THIS WORK REQUIRED TO BE DONE IN FULL COORDINATION WITH CIVIL WORK. FIRE-WATCH SHALL HAVE TO BE AVAILABLE DURING THIS WORK.



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Revision/	Description/Description	Date/Date
Revision/		

**CORRECTIONAL SERVICES OF CANADA**

8751 STAVE LAKE ST.  
MISSION, B.C.

Project title/Titre du projet  
**MISSION, B.C.**  
 8751 STAVE LAKE ST.

**MISSION MEDIUM INSTITUTION WATERMAIN REPLACEMENT DCW & SPRINKLER VALVES REPLACEMENT**

Consultant Signature Only

Designed by/Concept par  
NK

Drawn by/Dessine par  
MD  
 PWSC Project Manager/Administrateur de Projets TPSCG  
 TONY TANG

Regional Manager, Architectural and Engineering Services  
 Gestionnaire régionale, Services d'architectural et de génie, TPSCG

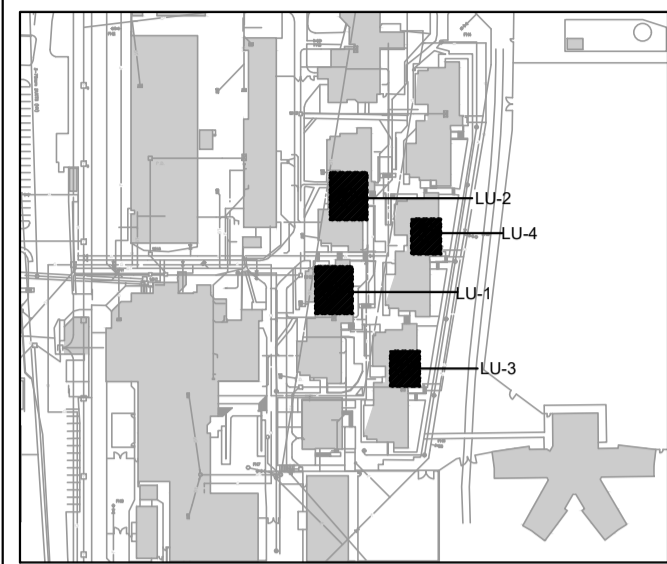
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**MECHANICAL PHASING PLAN**

161-11296-01

Project No./No. du projet <b>R.089147.001</b>	Sheet/Feuille <b>M0-02</b> 3 OF 12	Revision no./La Révision no. <b>7</b>
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KEY PLAN



- KEY NOTE:**
- 1 REPLACE ISOLATION VALVE, BY-PASS VALVE AND PRESSURE REDUCING VALVES (PRV) INCLUDING ALL ASSOCIATED COMPONENTS

- GENERAL NOTES:**
1. REFER TO PHASING PLAN DRAWING NUMBER- M0-02



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MISSION, B.C.  
8751 STAVE LAKE ST.

Project title/Titre du projet  
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8751 STAVE LAKE ST.

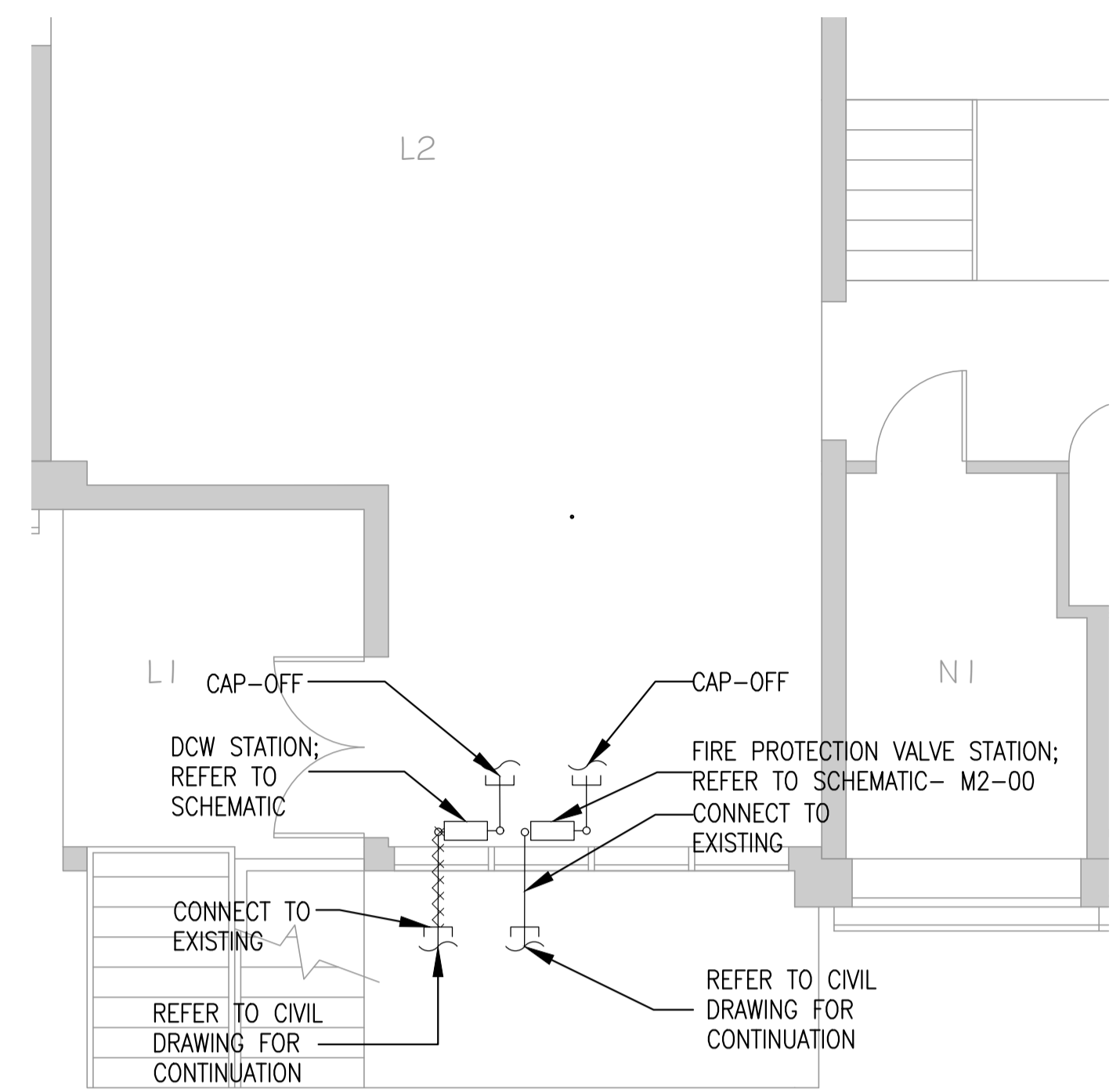
**MISSION MEDIUM INSTITUTION WATERMAIN REPLACEMENT DCW & SPRINKLER VALVE REPLACEMENT**

Consultant Signature Only

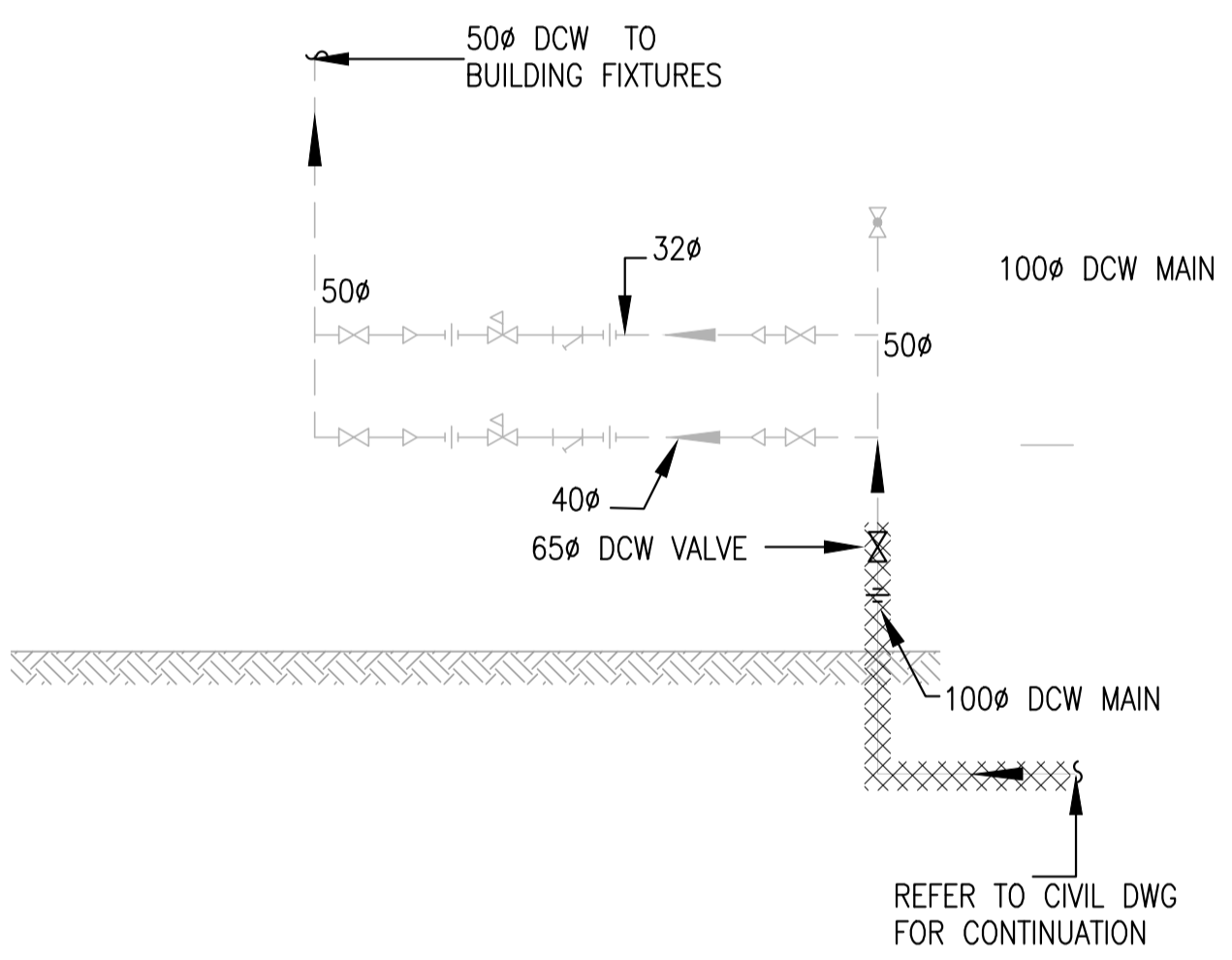
Designed by/Concept par  
NK  
Drawn by/Dessiné par  
MD  
PWGSC Project Manager/Administrateur de Projets TPSCG  
TONY TANG  
Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSCG

Drawing title/Titre du dessin  
**DCW VALVE ROOMS-DEMO PLAN LIVING UNITS 1,2,3,4**

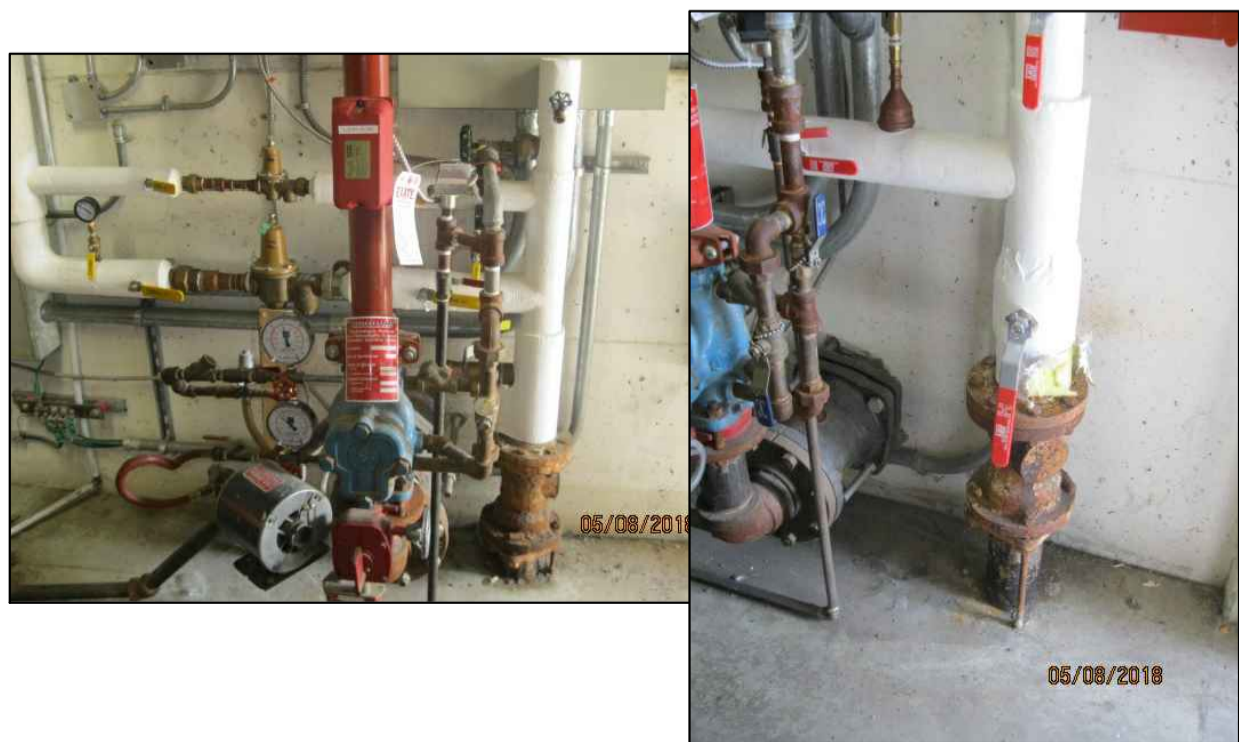
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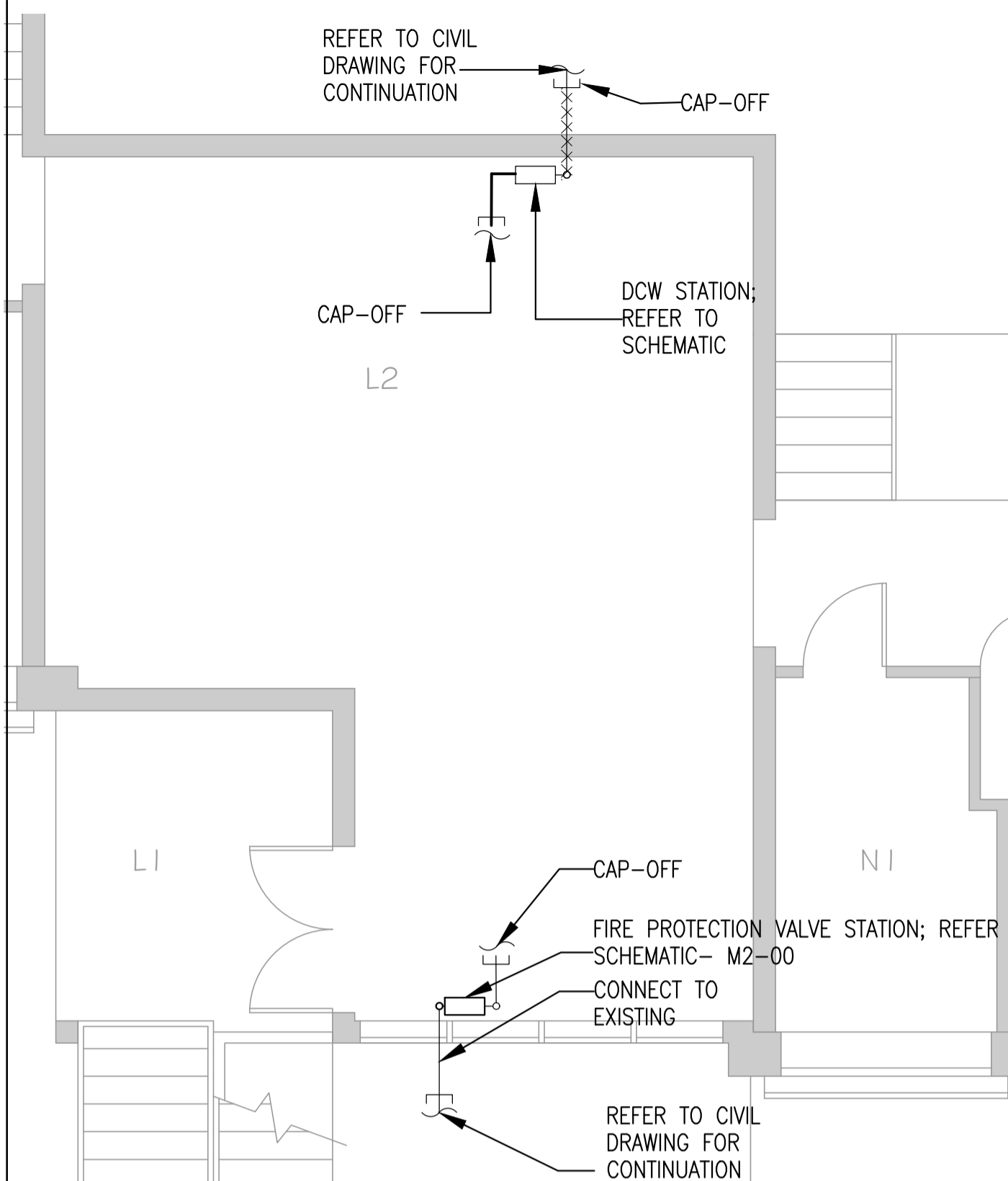
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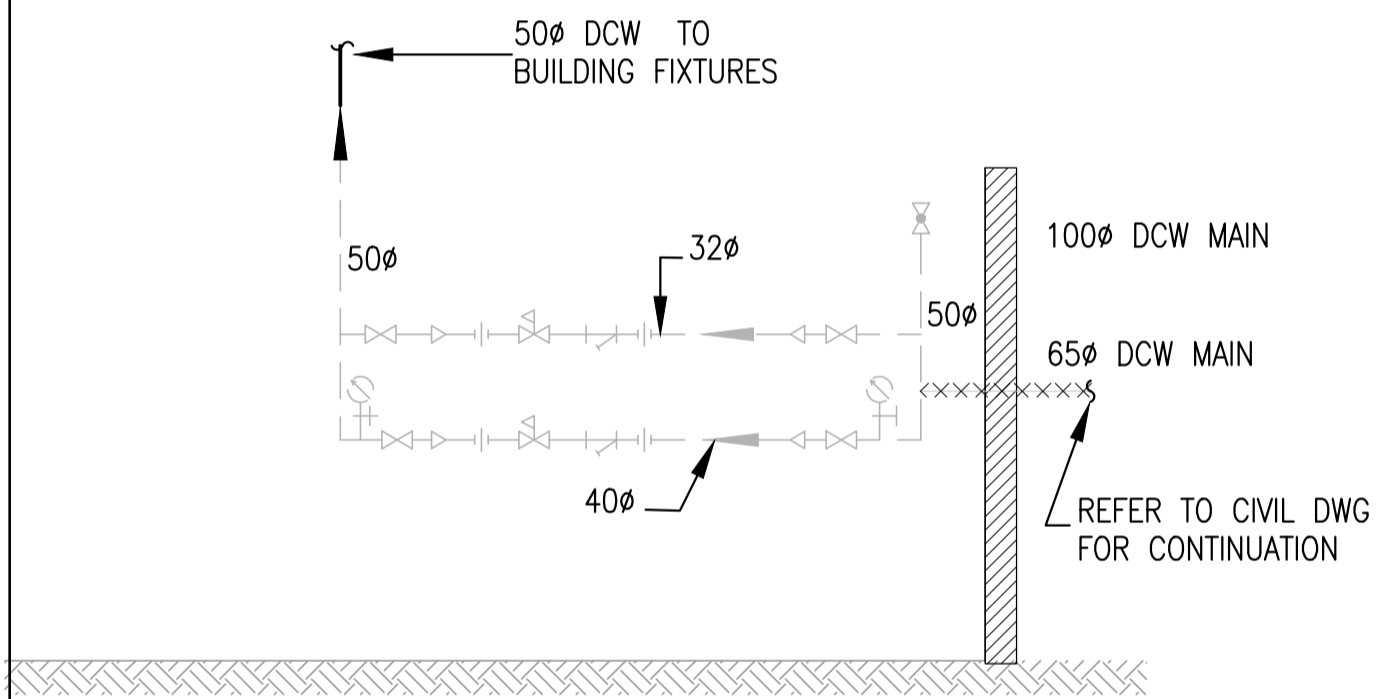
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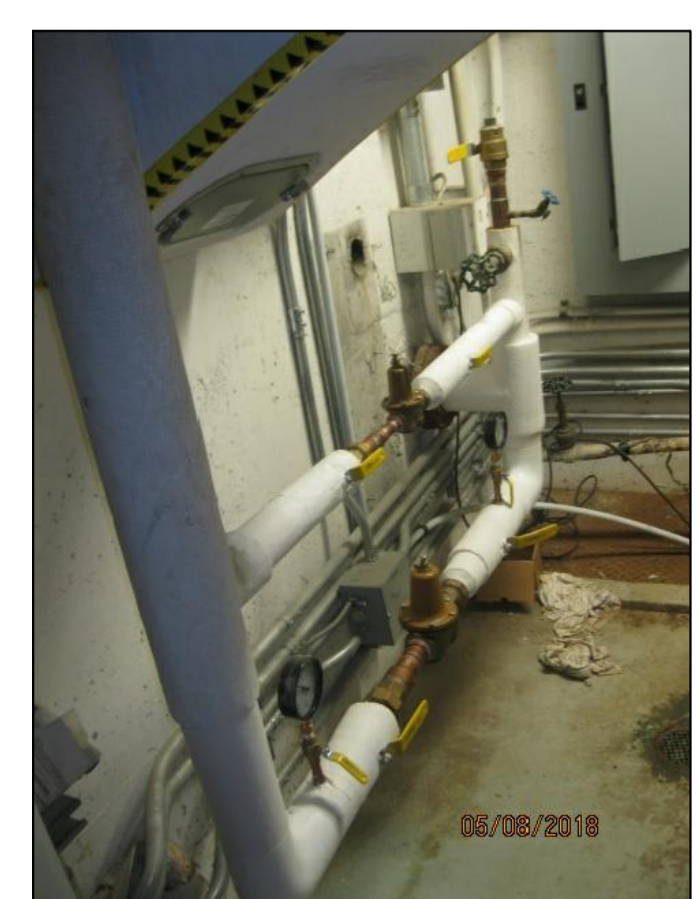
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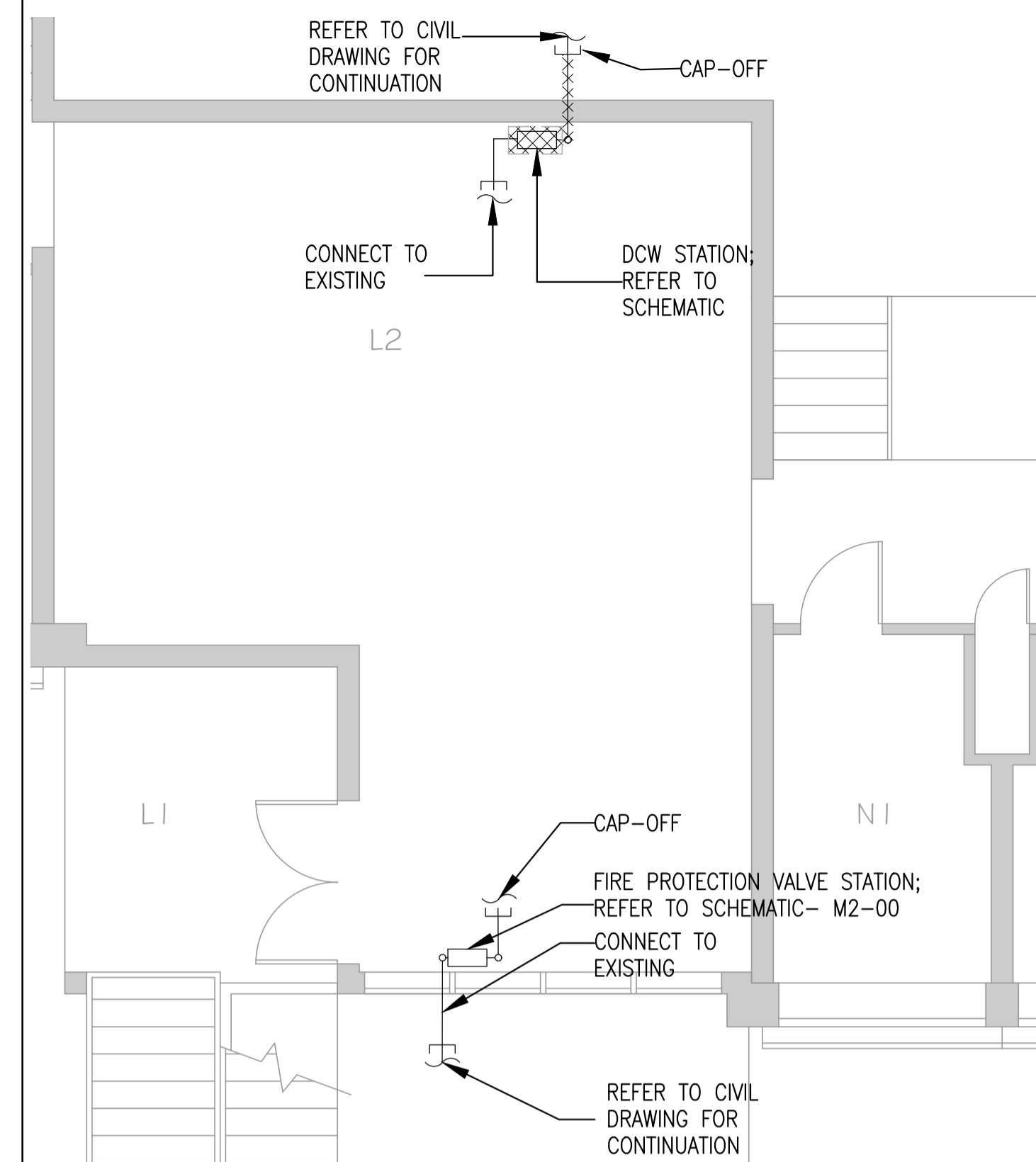
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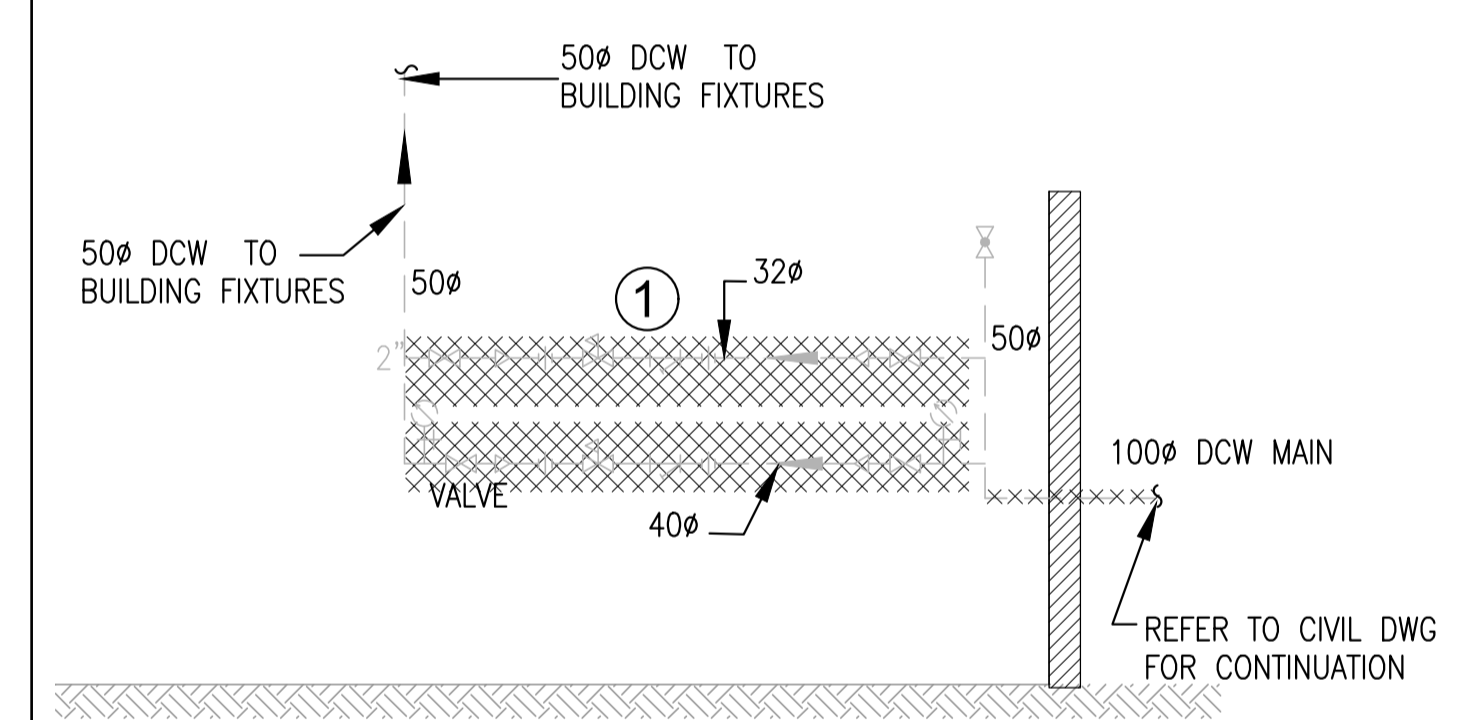
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**BUILDING LU3 - RELEVANT PHOTOS**  
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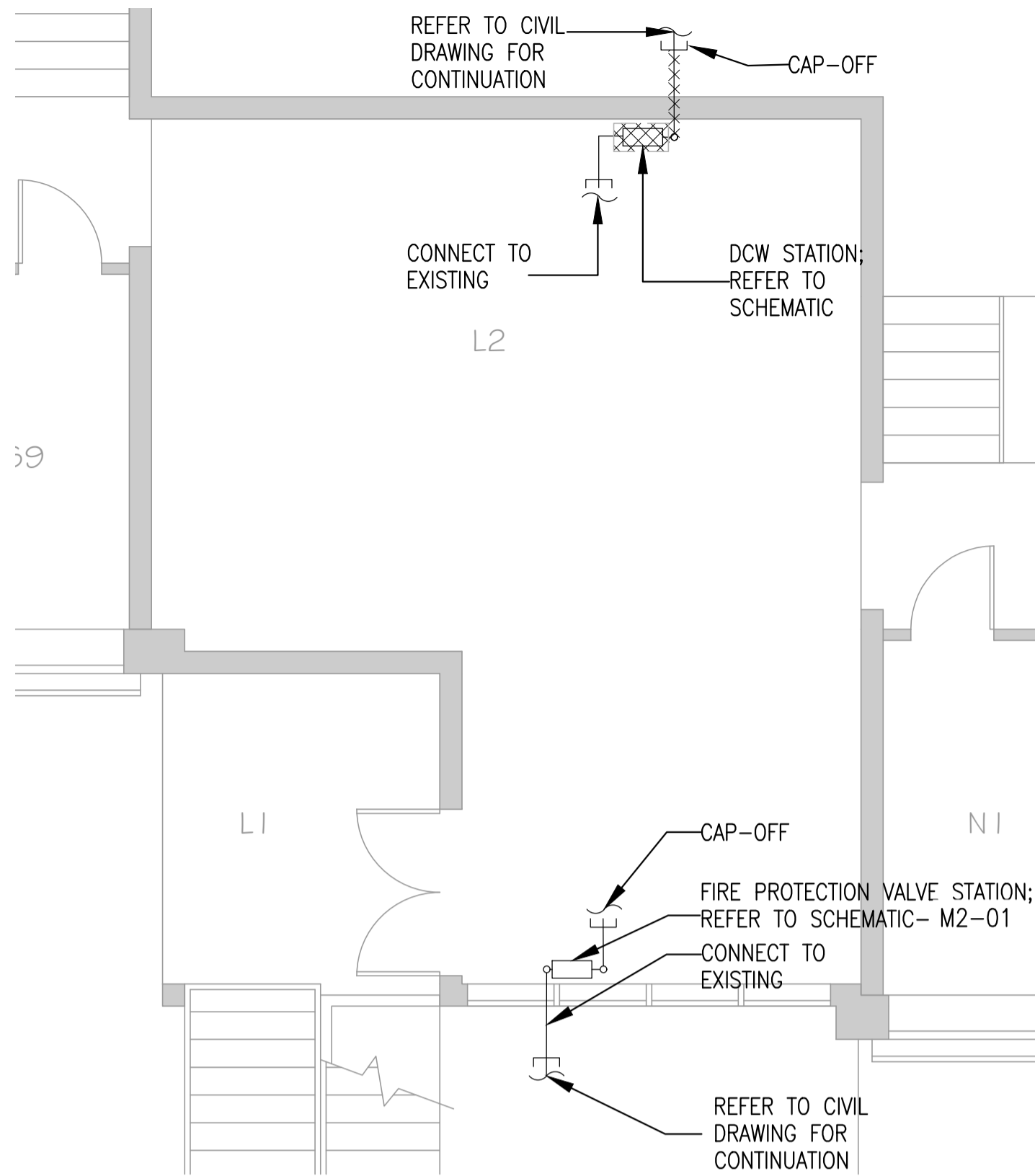
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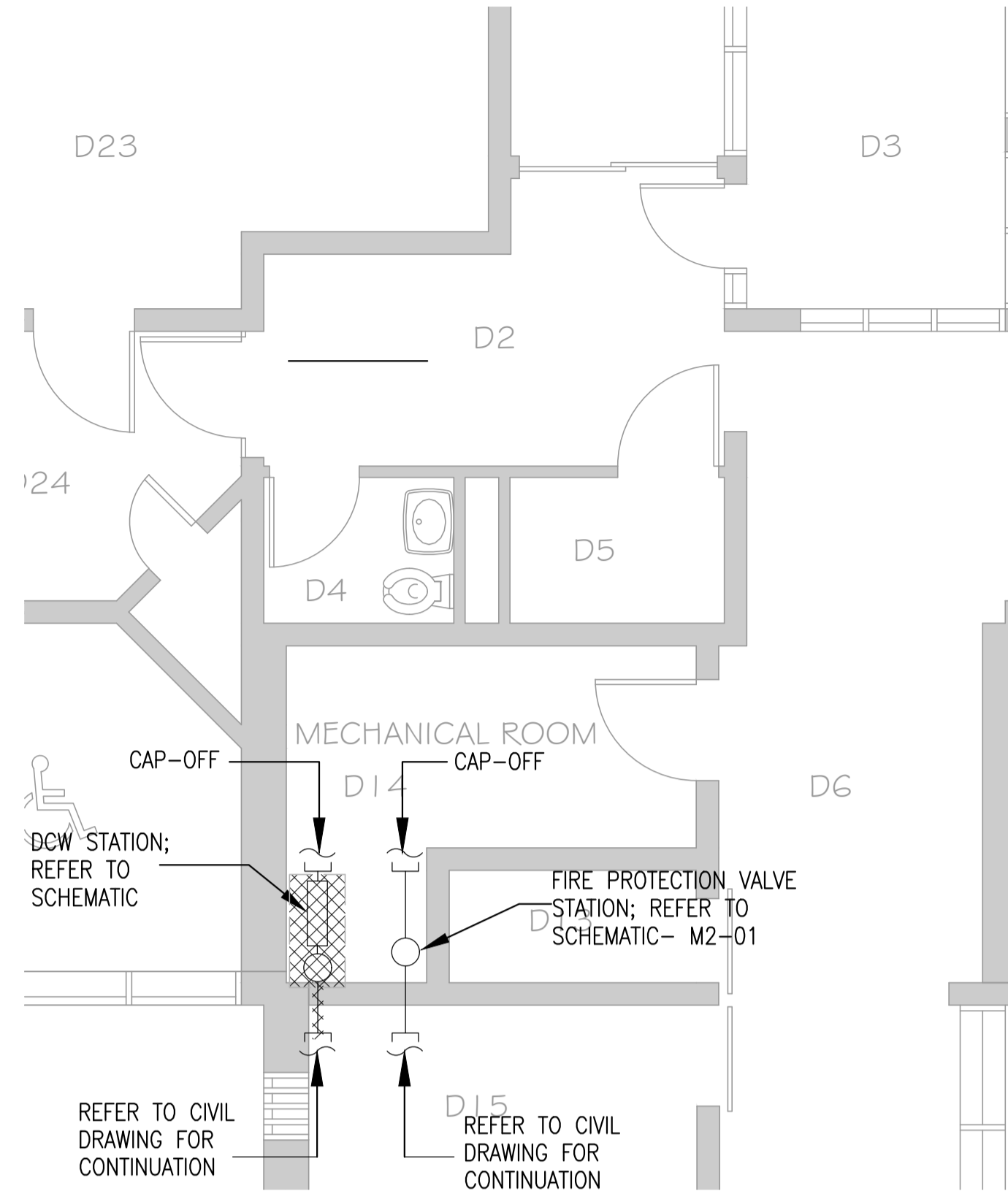
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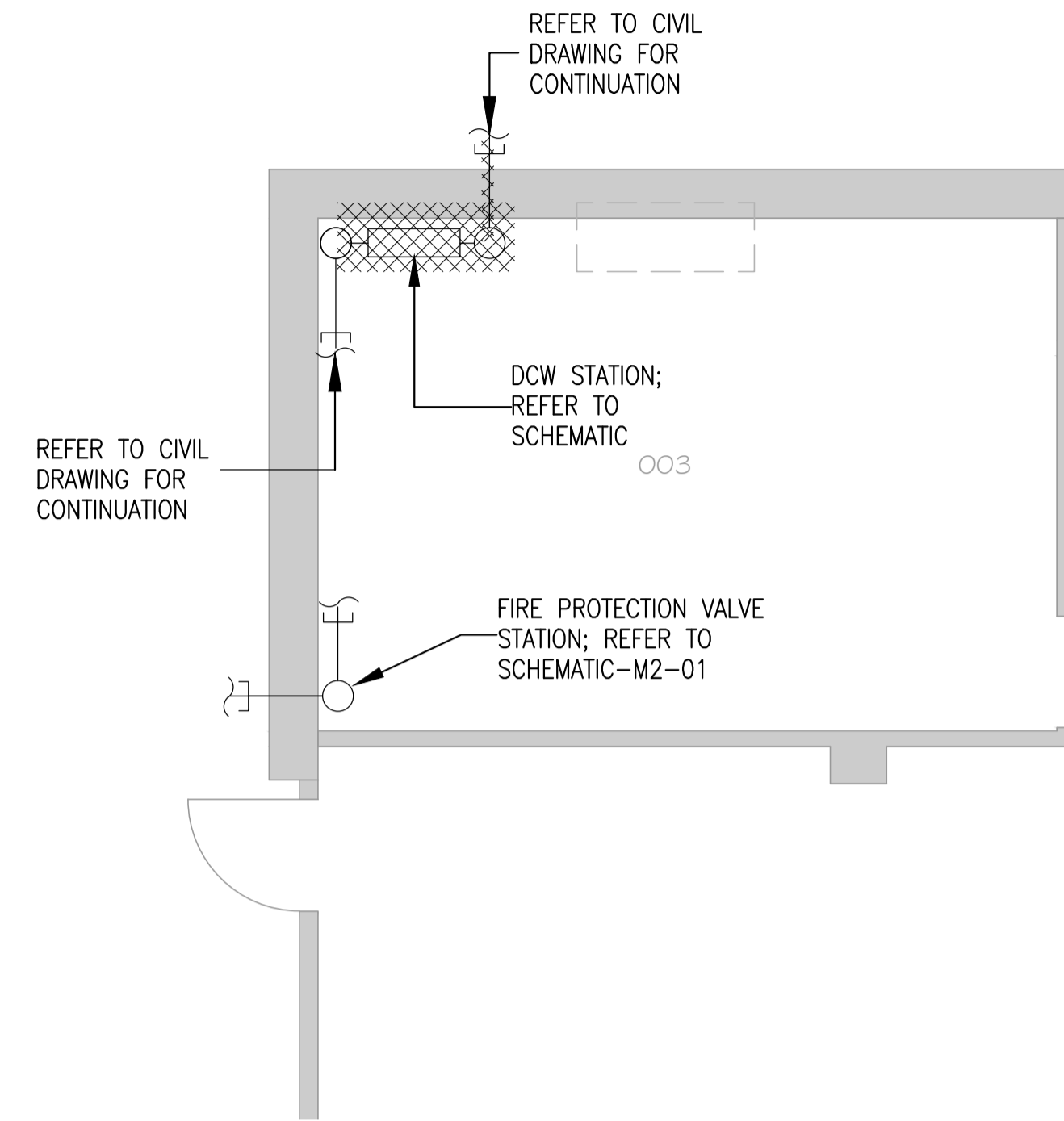
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SCALE: NTS



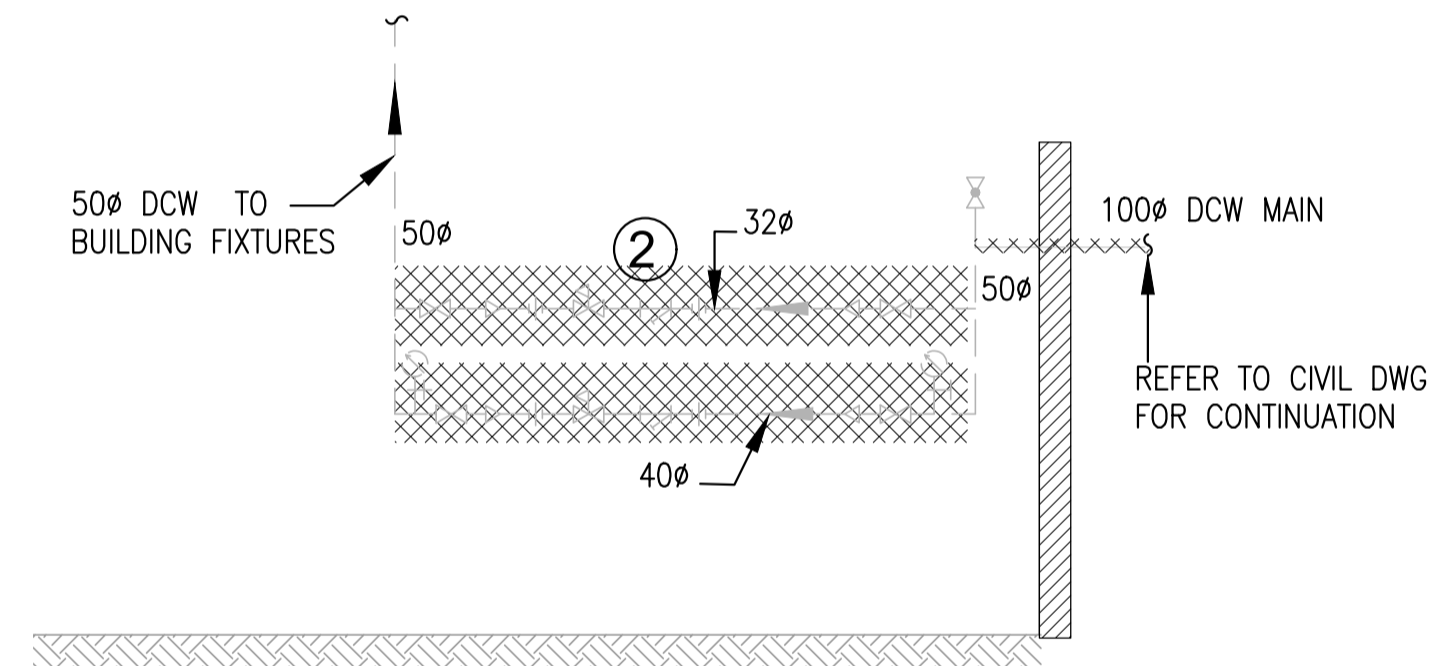
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SCALE 1:50



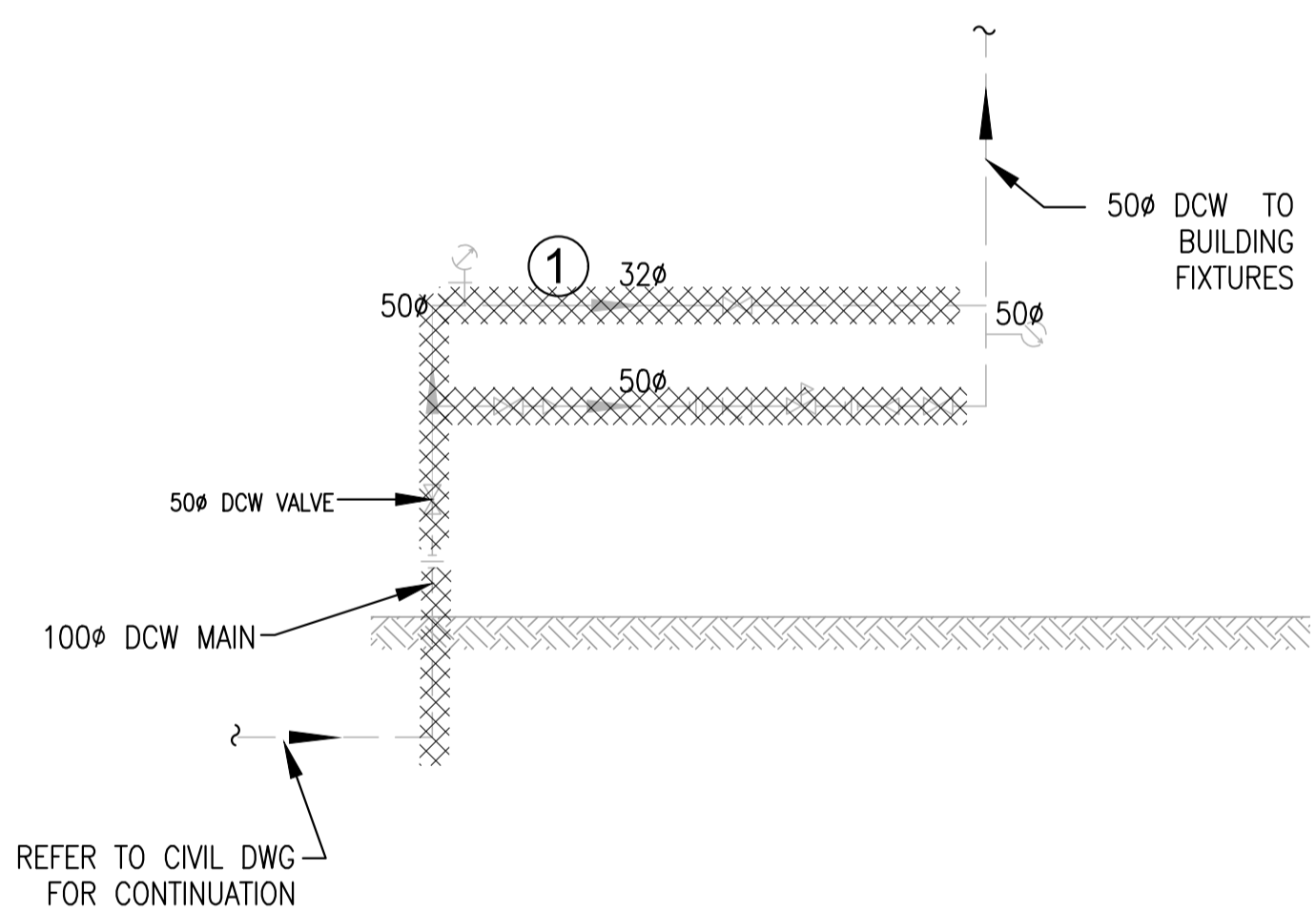
**SEGREGATION UNIT - DCW VALVE ROOM DEMO PLAN**  
SCALE 1:50



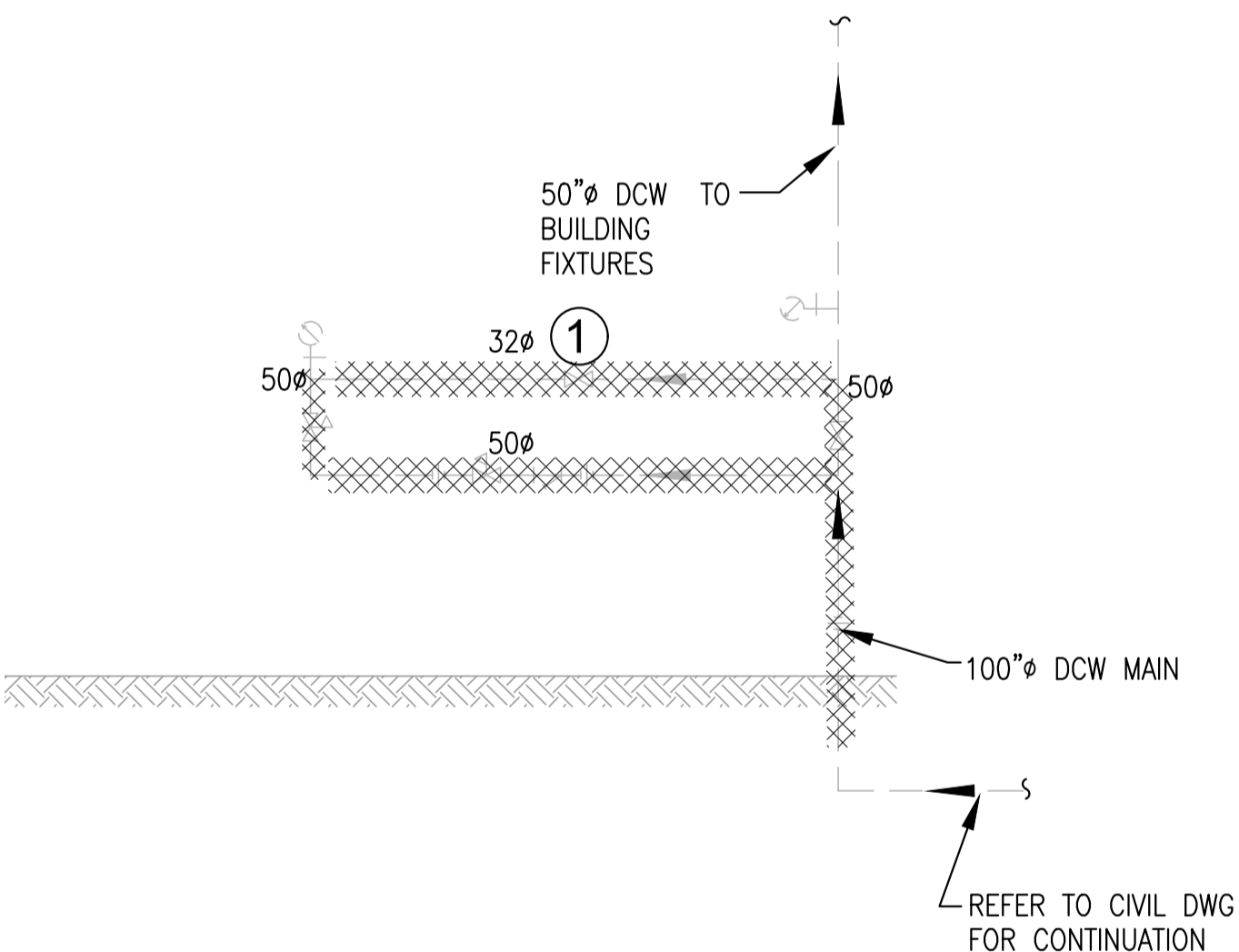
**JENSEN BUILDING - DCW VALVE ROOM DEMO PLAN**  
SCALE 1:50



**BUILDING LU5 - DCW VALVE ROOM DEMO PLAN-SCHEMATIC**  
SCALE: NTS



**SEGREGATION UNIT - DCW VALVE ROOM DEMO PLAN-SCHEMATIC**  
SCALE: NTS



**JENSEN BUILDING - DCW VALVE ROOM DEMO PLAN-SCHEMATIC**  
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**BUILDING LU5 - RELEVANT PHOTOS**  
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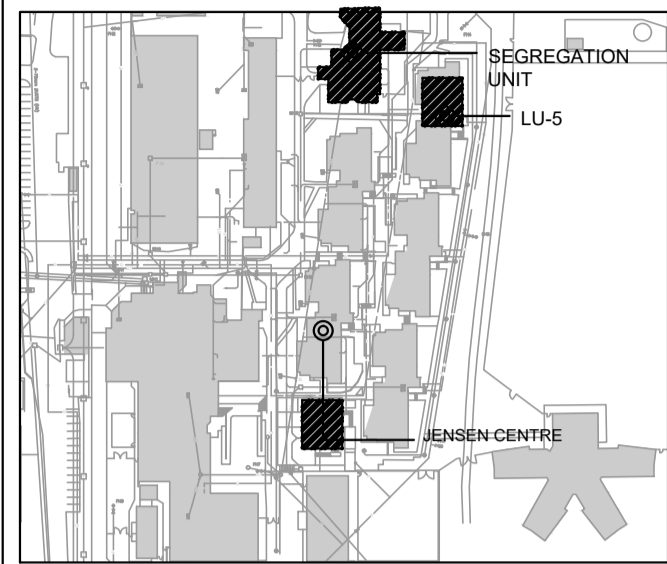
**SEGREGATION UNIT - RELEVANT PHOTOS**  
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**JENSEN BUILDING - RELEVANT PHOTOS**  
SCALE: NTS



KEY PLAN



KEY NOTES:

- ① REPLACE ISOLATION VALVE, BY-PASS VALVE AND PRESSURE REDUCING VALVES (PRV) INCLUDING ALL ASSOCIATED COMPONENTS
- ② REPLACE ISOLATION VALVES, BY-PASS VALVES INCLUDING ALL ASSOCIATED COMPONENTS. PRESSURE REDUCING VALVES (PRV) TO REMAIN

GENERAL NOTES:

1. REFER TO PHASING PLAN DRAWING NUMBER- M0-02



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**CORRECTIONAL SERVICES OF CANADA**

MISSION, B.C.  
8751 STAVE LAKE ST.

Project title/Titre du projet  
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**MISSION MEDIUM INSTITUTION WATERMAIN REPLACEMENT DCW & SPRINKLER VALVE REPLACEMENT**

Consultant Signature Only

Designed by/Concept par NK

Drawn by/Dessiné par MD

PWGSC Project Manager/Administrateur de Projets TPSCG  
TONY TANG

Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architecture et de génie, TPSCG

Drawing title/Titre du dessin

**DCW VALVE ROOMS-DEMO PLAN LIVING UNIT 5, SEGREGATION UNIT AND JENSEN CENTRE**

161-11296-01

Project No./No. du projet  
**R.089147.001**

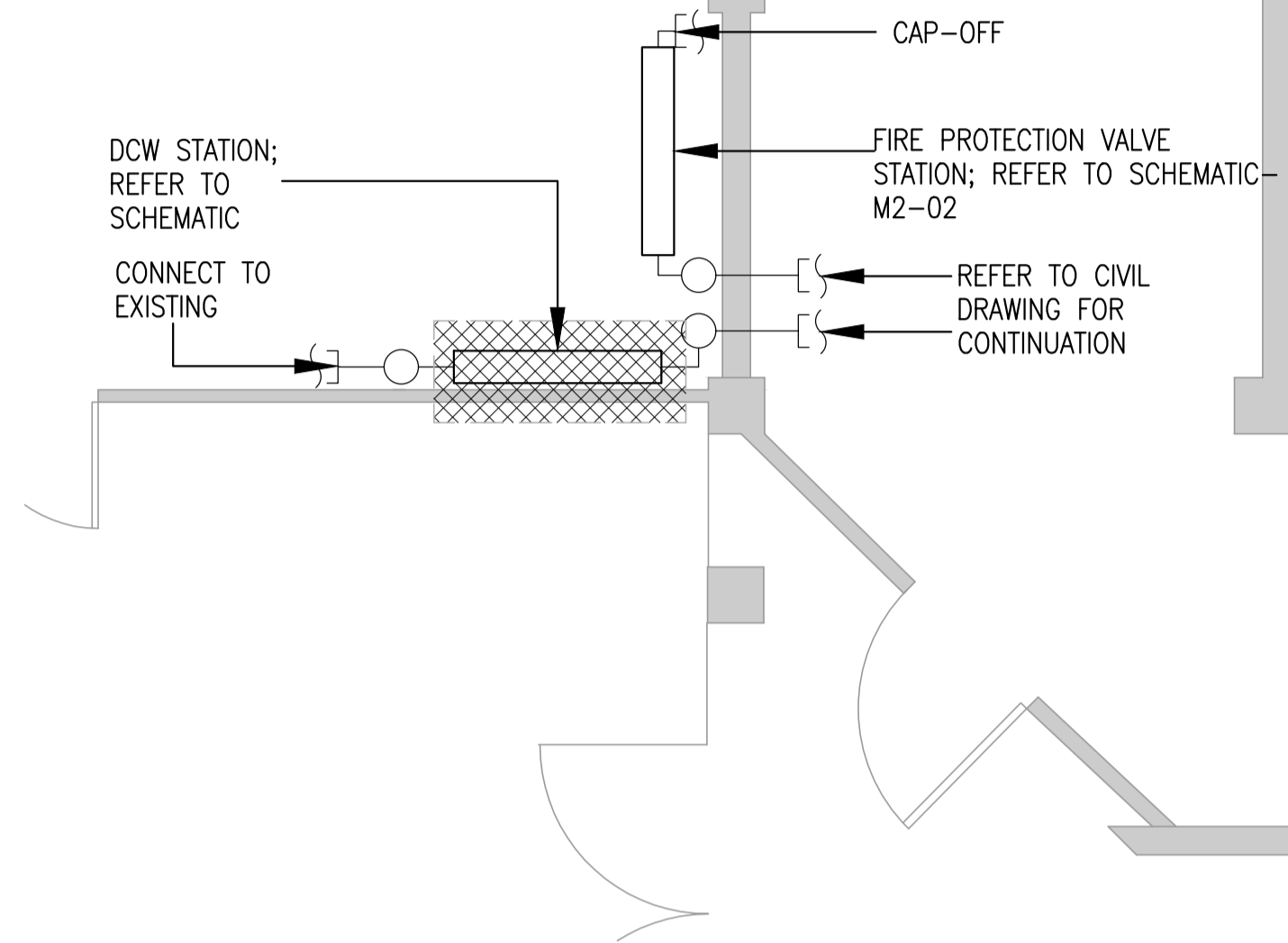
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Revision no./La Révision no.  
**7**

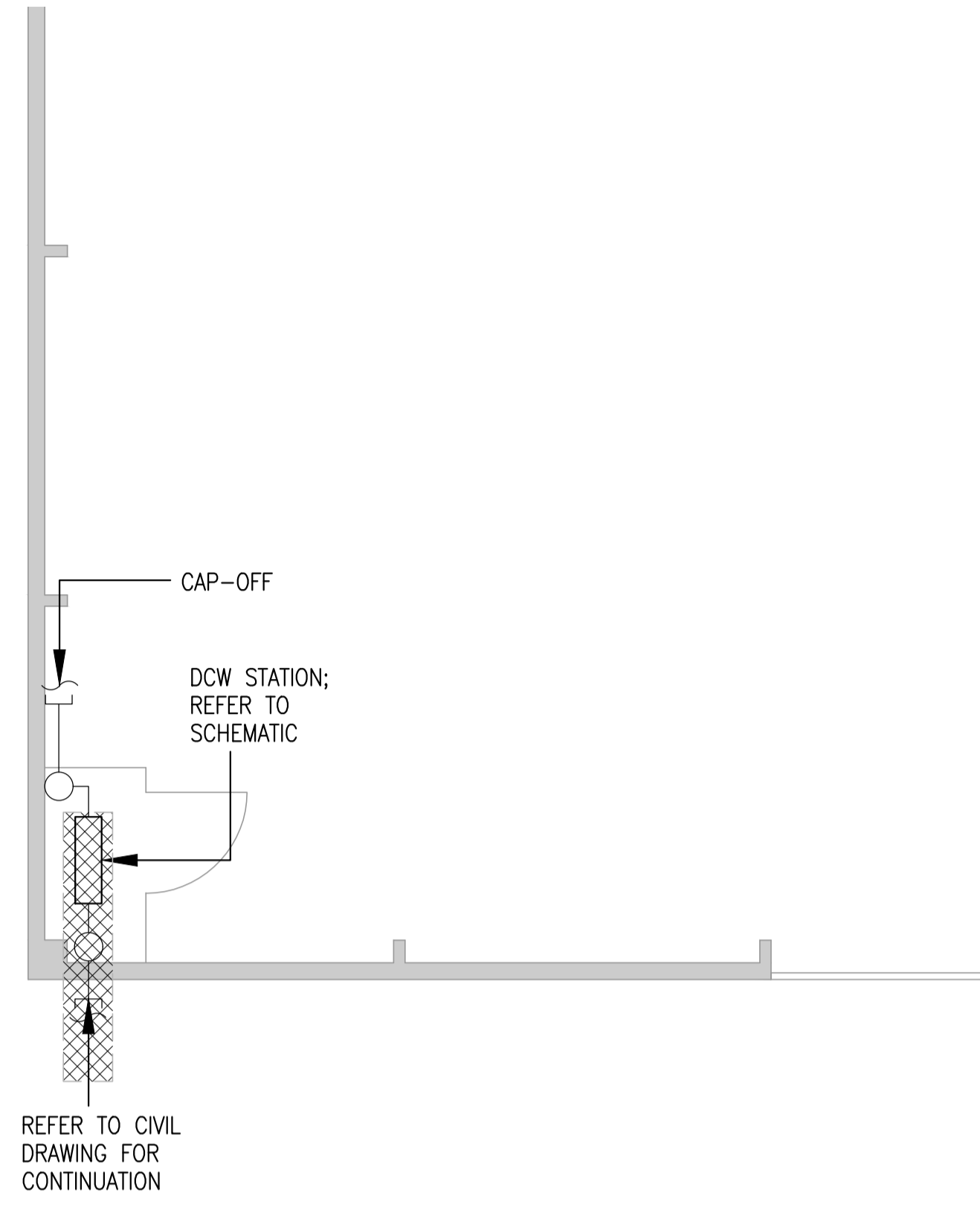
5 OF 12

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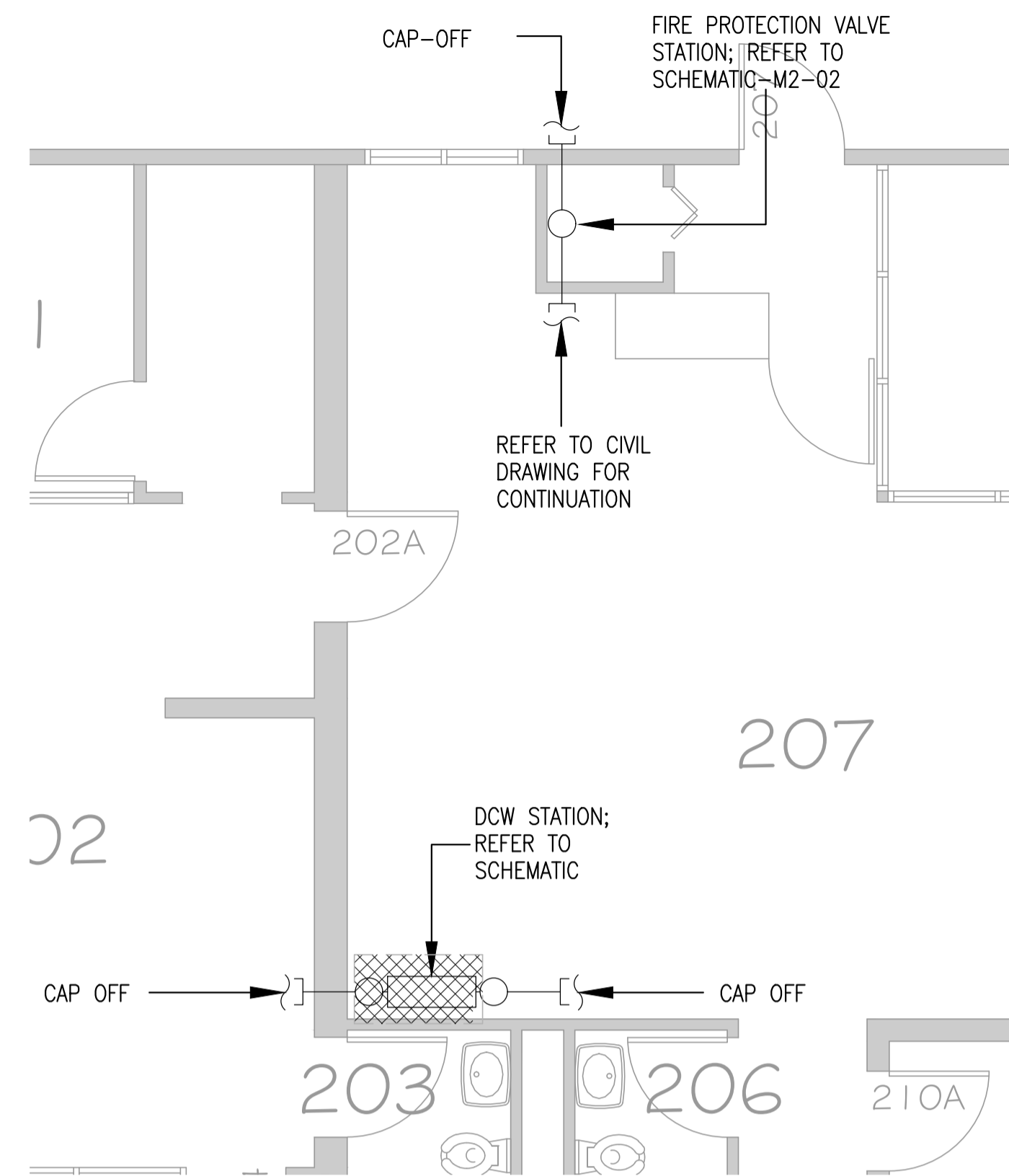
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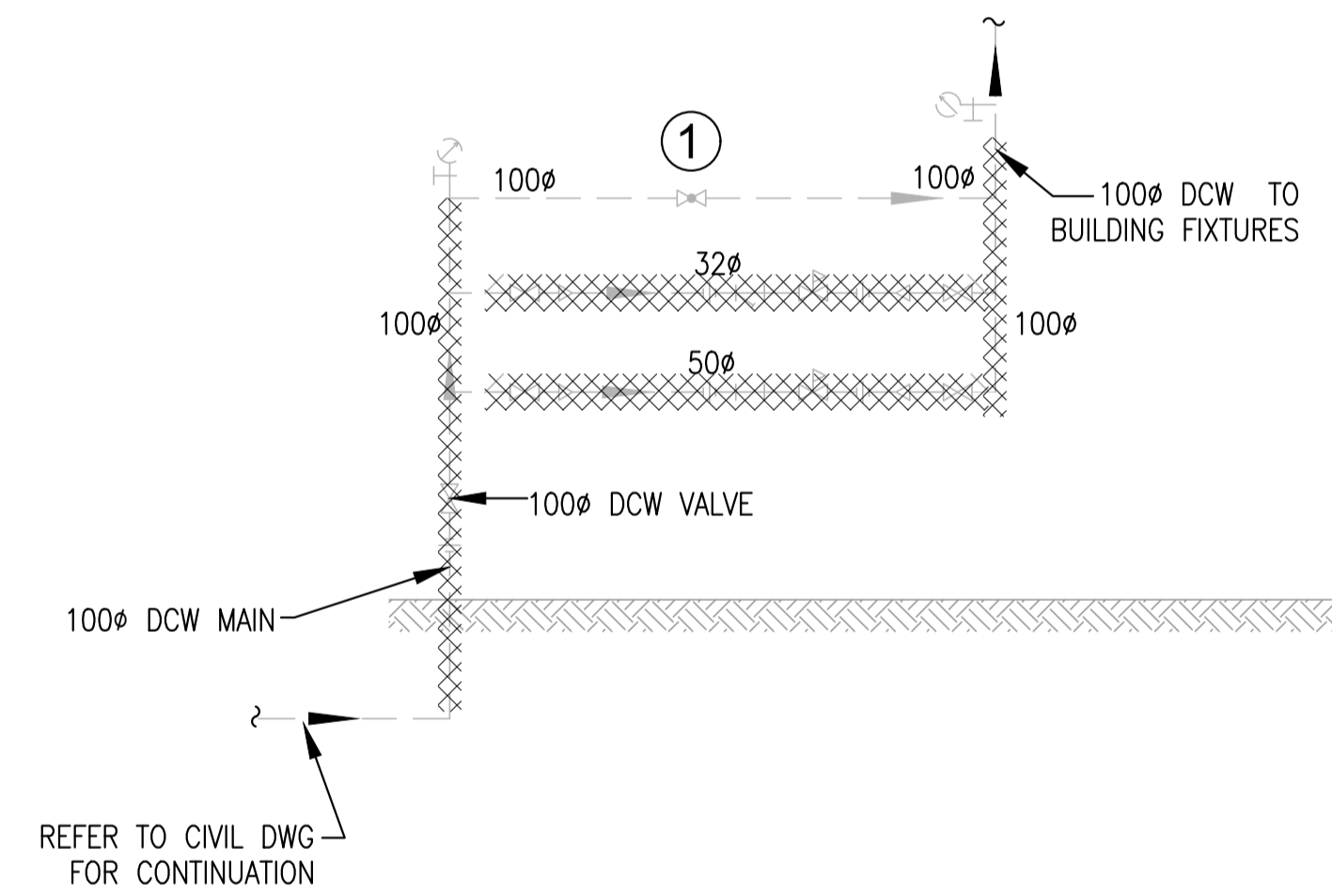
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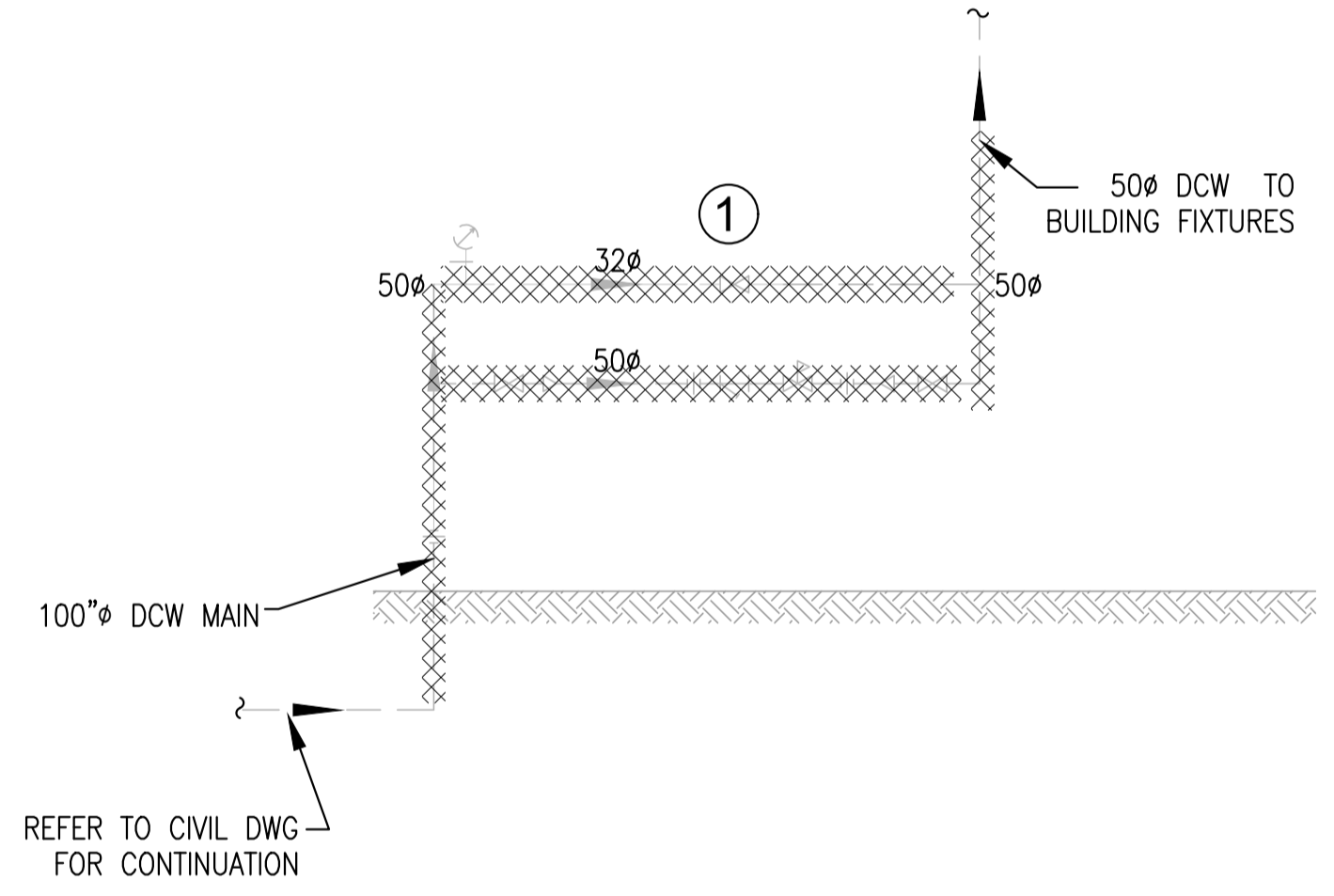
INDUSTRIES - DCW VALVE ROOM DEMO PLAN  
SCALE 1:50



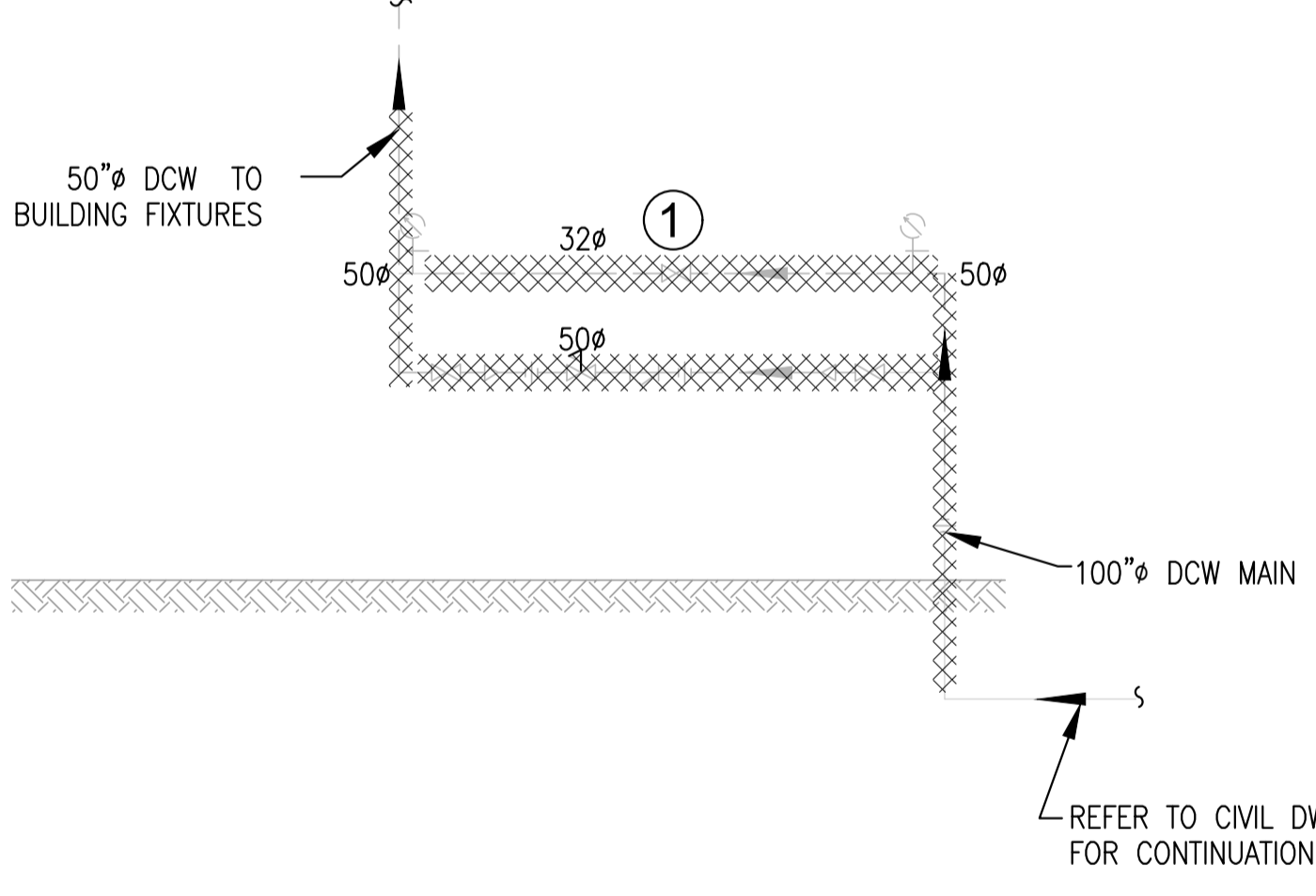
MAINTENANCE BUILDING - DCW VALVE ROOM DEMO PLAN  
SCALE 1:50



ADMIN BUILDING - DCW VALVE ROOM DEMO PLAN-SCHEMATIC  
SCALE: NTS



INDUSTRIES - DCW VALVE ROOM DEMO PLAN-SCHEMATIC  
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MAINTENANCE BUILDING - DCW VALVE ROOM DEMO PLAN-SCHEMATIC  
SCALE: NTS



ADMIN BUILDING - RELEVANT PHOTOS  
SCALE: NTS



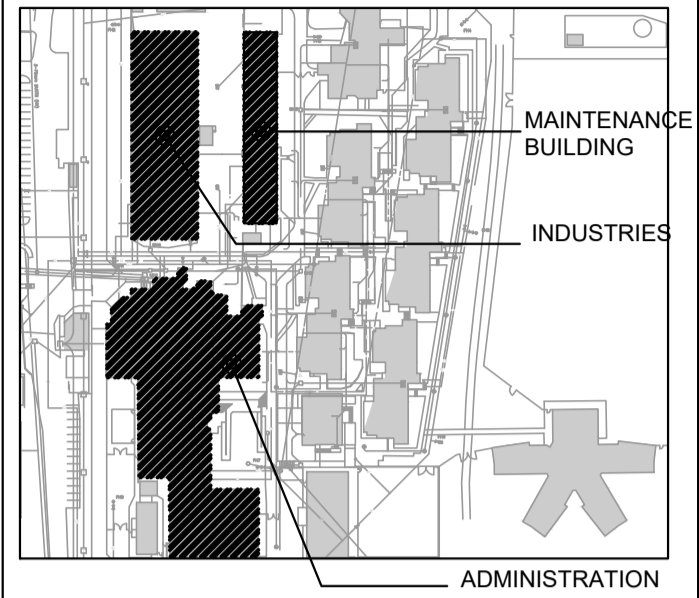
INDUSTRIES - RELEVANT PHOTOS  
SCALE: NTS



MAINTENANCE BUILDING - RELEVANT PHOTOS  
SCALE: NTS



KEY PLAN



KEY NOTE:

- 1 REPLACE ISOLATION VALVE, BY-PASS VALVE AND PRESSURE REDUCING VALVES (PRV) INCLUDING ALL ASSOCIATED COMPONENTS

GENERAL NOTES:

- 1. REFER TO PHASING PLAN DRAWING NUMBER- M0-02



Engineers & Geoscientists BC Permit #1000200



7	Re-issued for Tender	23/11/2021
6	Issued for Tender	21/05/2021
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0	Issued for 33% review	14/05/2018
Revision/Revision	Description/Description	Date/Date

Client/client

CORRECTIONAL SERVICES OF CANADA

MISSION, B.C.  
8751 STAVE LAKE ST.

Project title/Titre du projet  
MISSION, B.C.  
8751 STAVE LAKE ST.

MISSION MEDIUM INSTITUTION WATERMAIN REPLACEMENT  
DCW & SPRINKLER VALVE REPLACEMENT

Consultant Signature Only

Designed by/Concept par  
NK

Drawn by/Dessiné par  
MD

PWSC Project Manager/Administrateur de Projets TPSCG  
TONY TANG

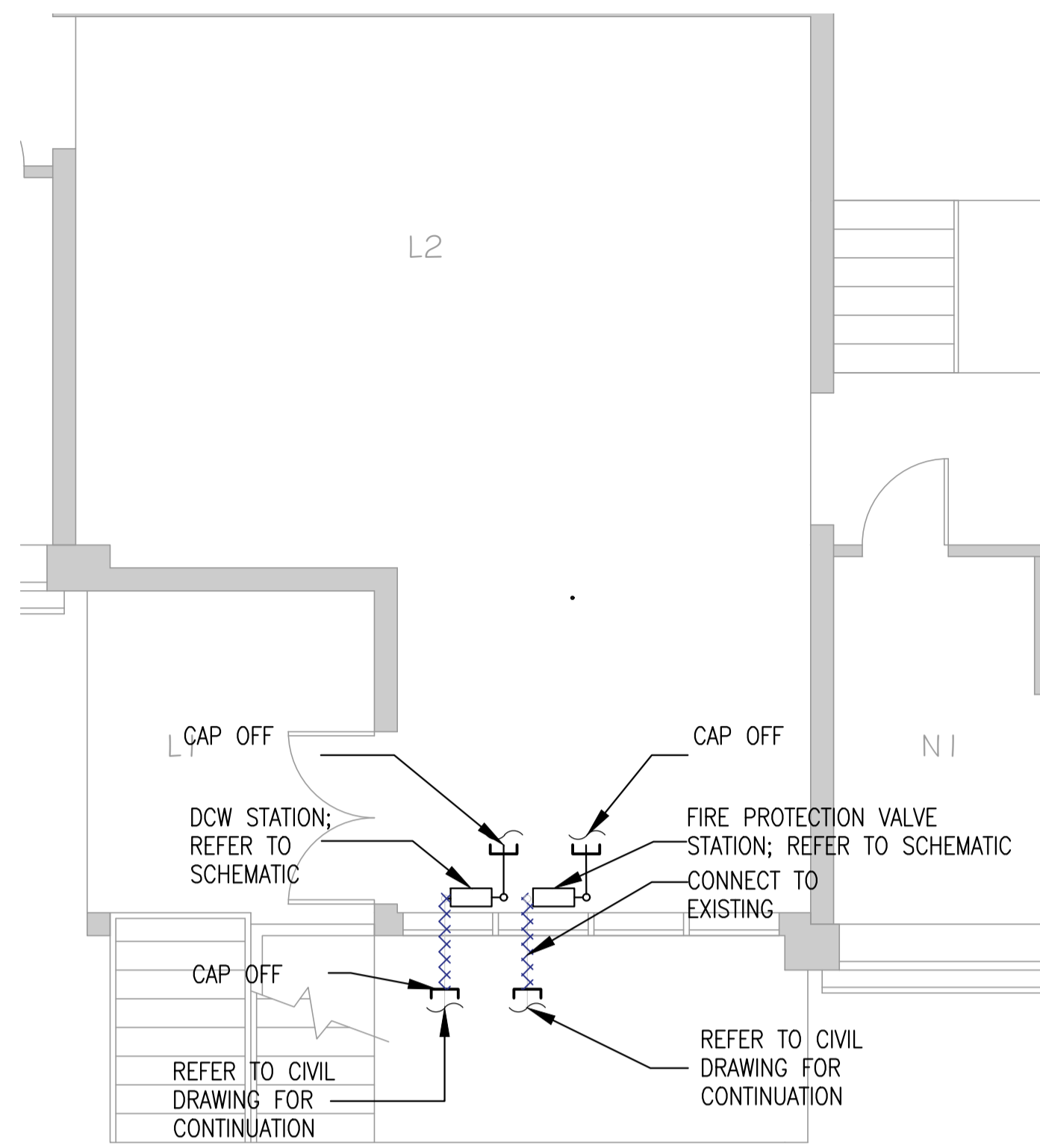
Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSCG

Drawing title/Titre du dessin

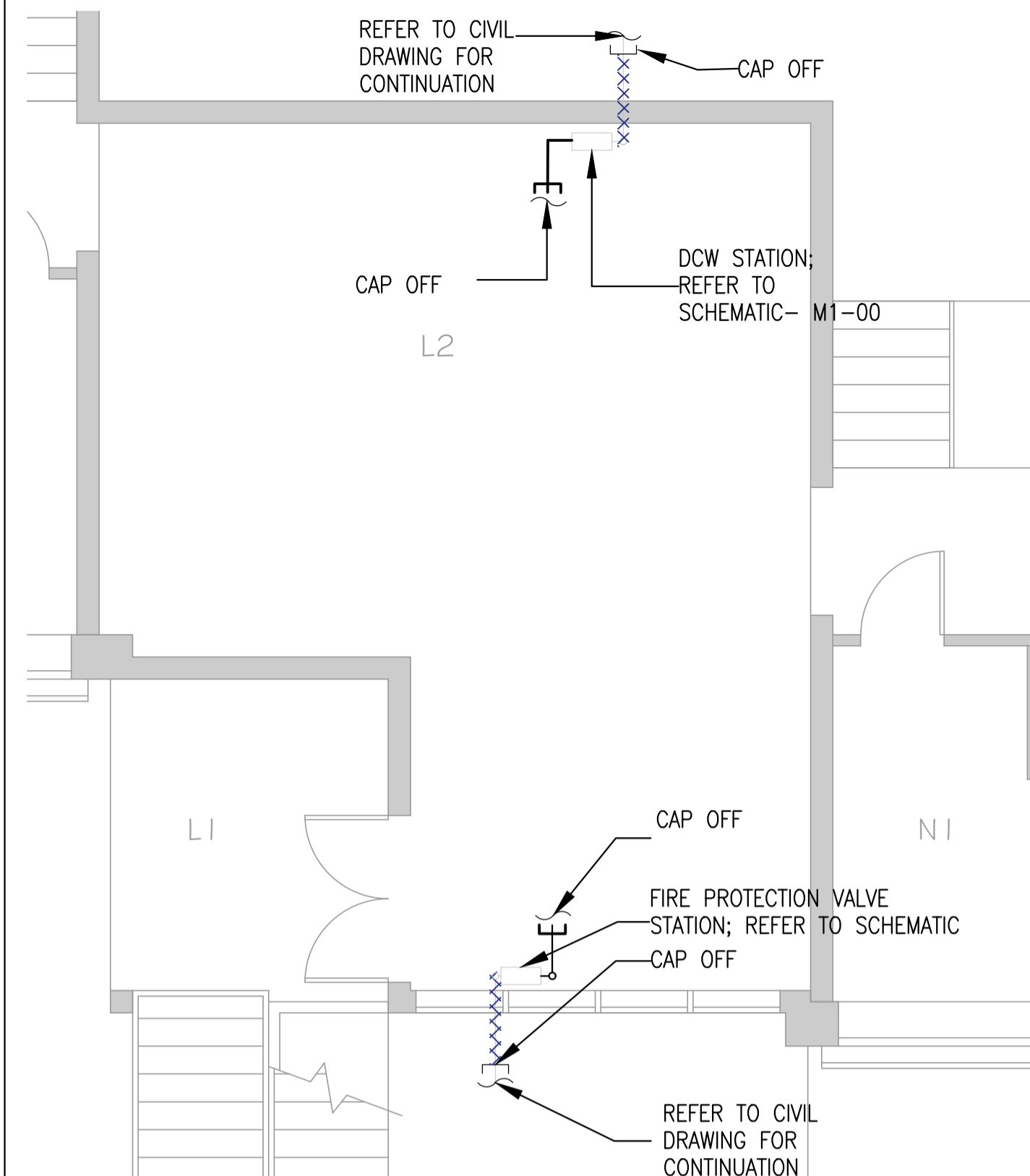
DCW VALVE ROOMS-DEMO PLAN  
ADMINISTRATION BUILDING,  
INDUSTRIES AND MAINTENANCE

161-11296-01

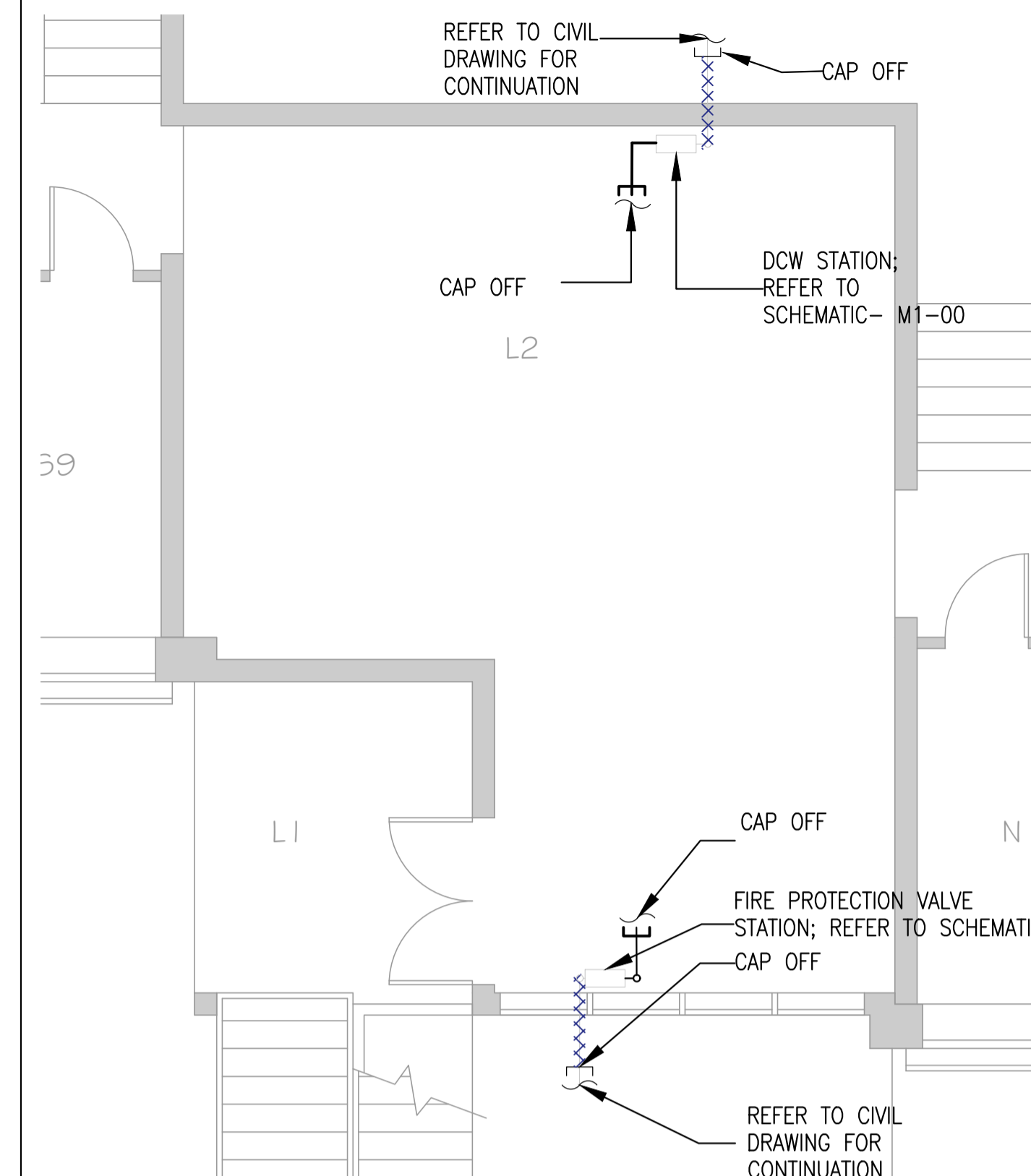
Project No./No. du projet R.089147.001	Sheet/Fauille M1-02	Revision no./ La Révision no. 7
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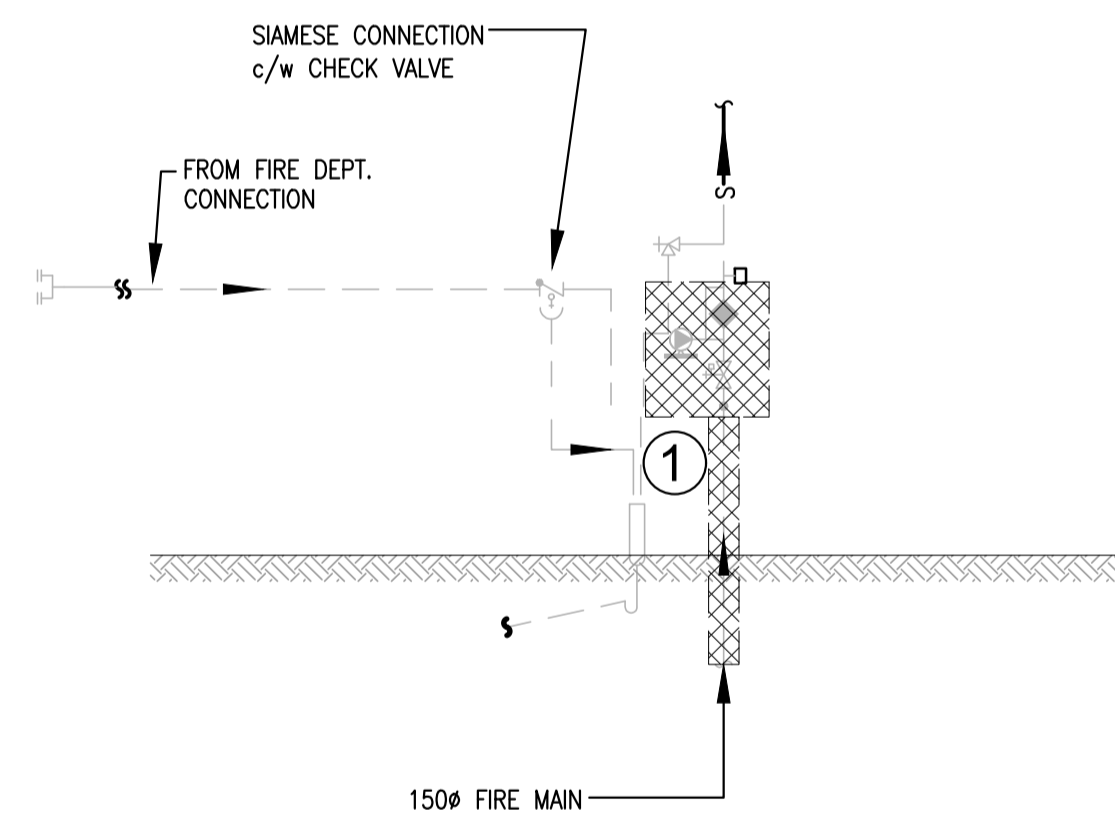
**BUILDING LU1 & LU2 - DCW VALVE ROOM DEMO PLAN**  
SCALE 1:50



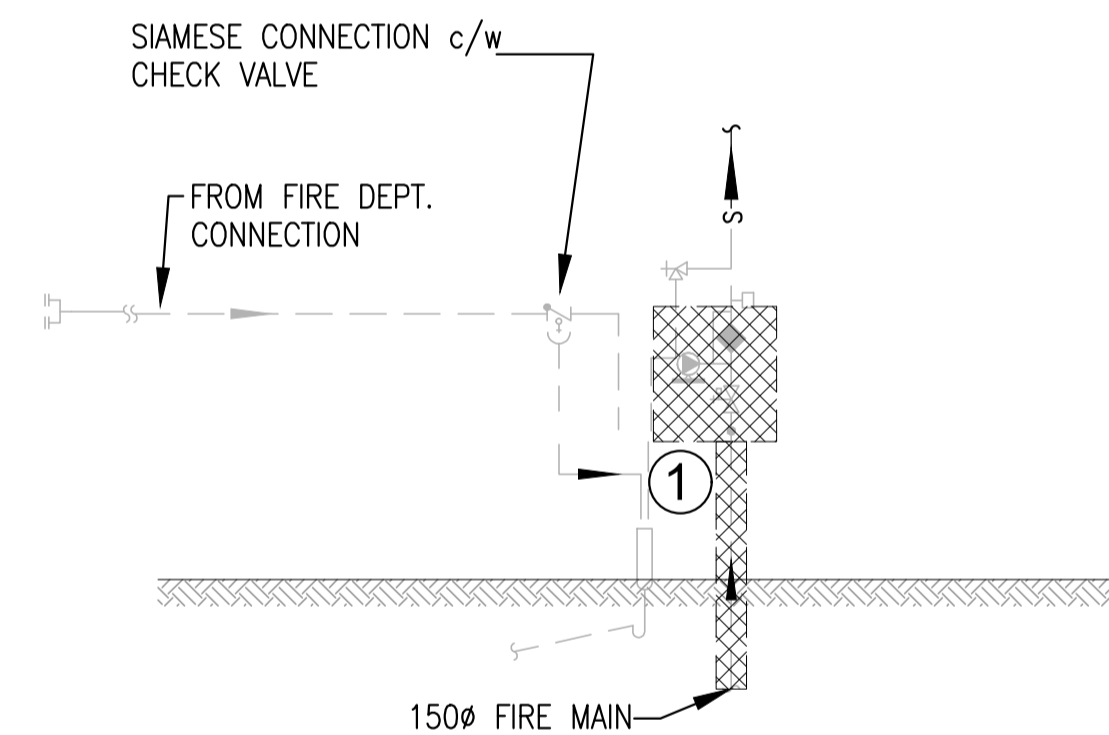
**BUILDING LU3- FP VALVE ROOM DEMO PLAN**  
SCALE 1:50



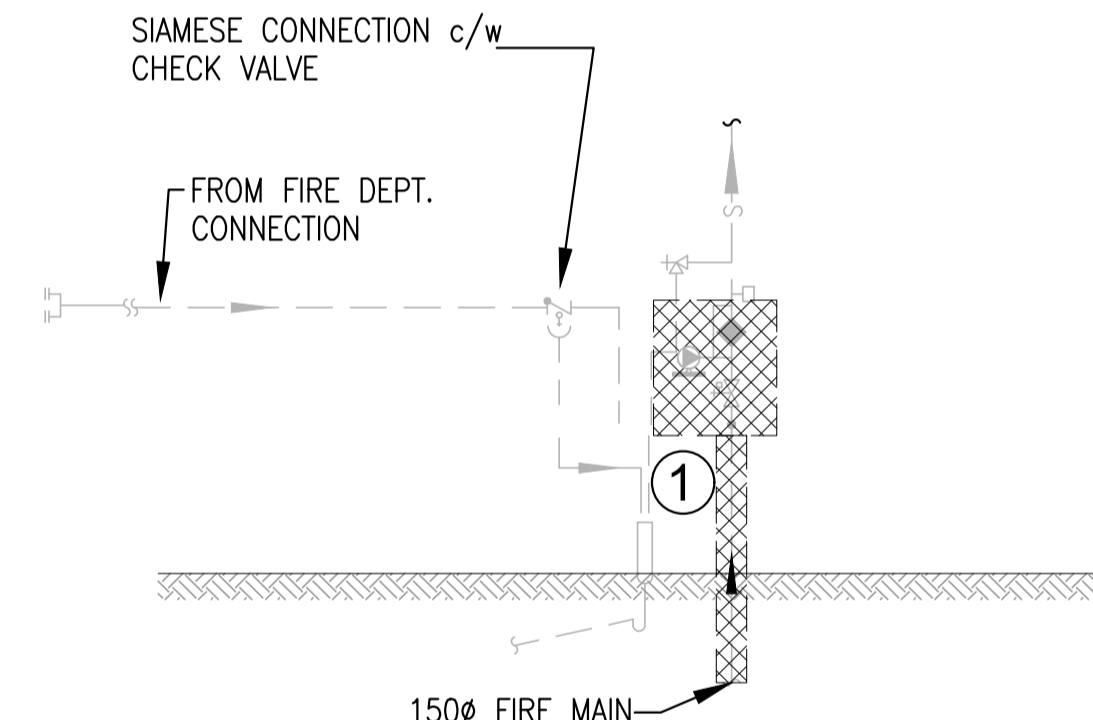
**BUILDING LU4- FP VALVE ROOM DEMO PLAN**  
SCALE 1:100



**BUILDING LU1 & LU2 - FP VALVE ROOM DEMO PLAN-SCHEMATIC**  
SCALE: NTS



**BUILDING LU3 - FP VALVE ROOM DEMO PLAN-SCHEMATIC**  
SCALE: NTS



**BUILDING LU4 - FP VALVE ROOM DEMO PLAN-SCHEMATIC**  
SCALE: NTS



**BUILDING LU1 & LU2 - RELEVANT PHOTOS**  
SCALE: NTS



**BUILDING LU3 - RELEVANT PHOTOS**  
SCALE: NTS



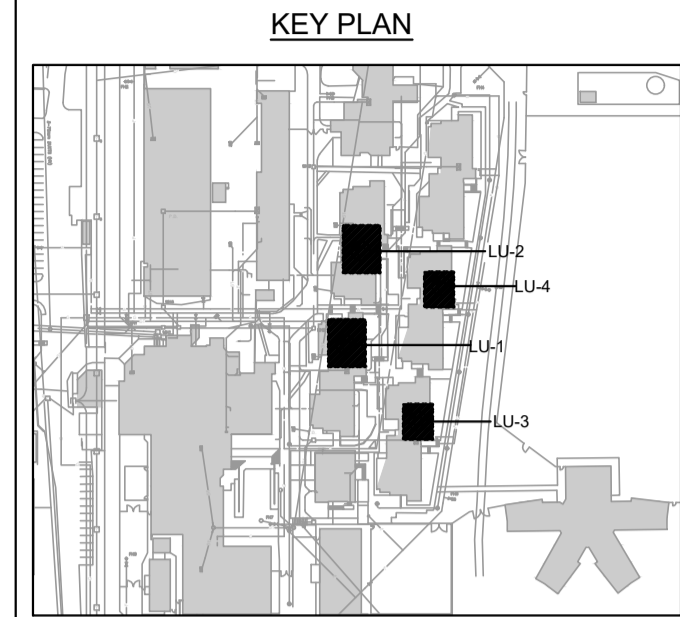
**BUILDING LU4 - RELEVANT PHOTOS**  
SCALE: NTS

**KEY NOTES:**  
① REPLACE THE BUTTERFLY VALVE, ALARM CHECK VALVE AND ACCESS PRESSURE BOOSTER PUMP COMPLETE WITH PRESSURE SWITCH AND ACCESSORIES

**GENERAL NOTES:**  
1. REFER TO PHASING PLAN DRAWING NUMBER- M0-02

**LEGENDS:**

	EXISTING FLOW SWITCH
	EXISTING ALARM CHECK VALVE
	EXISTING EXCESS PRESSURE PUMP
	EXISTING GATE VALVE
	EXISTING SIAMESE CONNECTION



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0	Issued for 33% review	14/05/2018

Client/client

**CORRECTIONAL SERVICES OF CANADA**

MISSION, B.C.  
8751 STAVE LAKE ST.

Project title/Titre du projet  
MISSION, B.C.  
8751 STAVE LAKE ST.

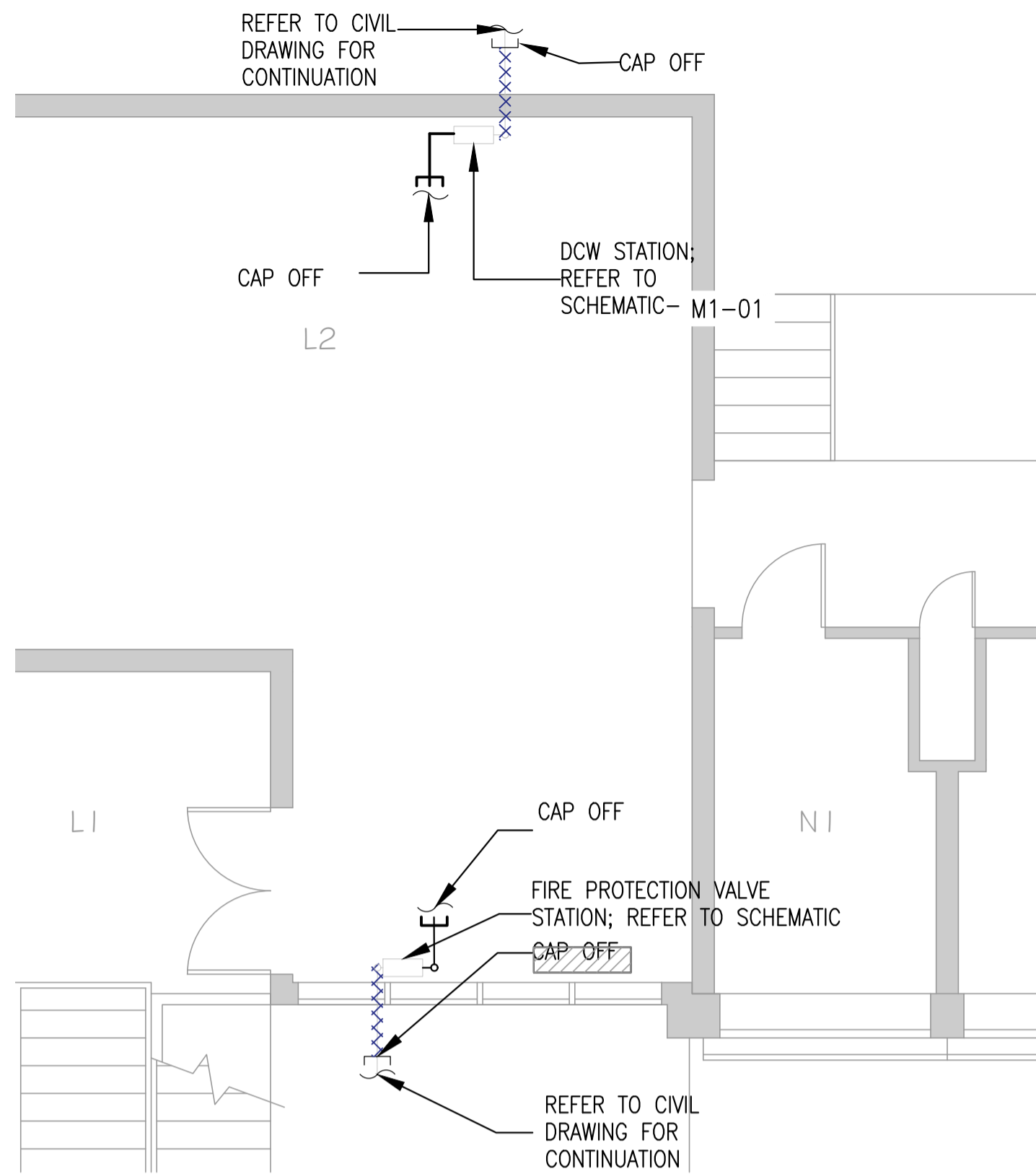
**MISSION MEDIUM INSTITUTION WATERMAIN REPLACEMENT DCW & SPRINKLER VALVE REPLACEMENT**

Consultant Signature Only

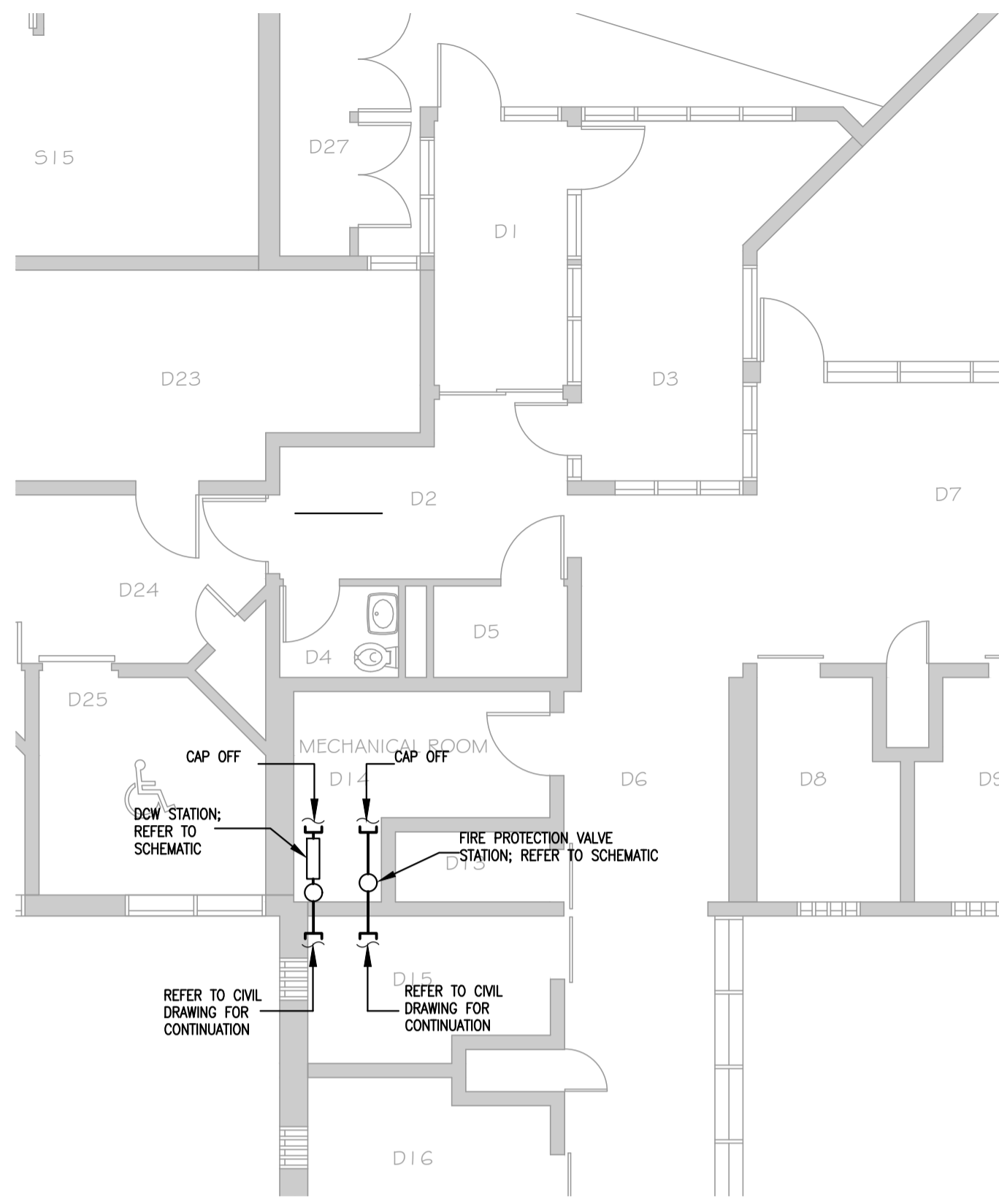
Designed by/Concept par NK  
Drawn by/Dessiné par MD  
PWGSC Project Manager/Administrateur de Projets TPSPG TONY TANG  
Regional Manager, Architectural and Engineering Services / Gestionnaire régionale, Services d'architecture et de génie, TPSPG

Drawing title/Titre du dessin  
**FP VALVE ROOMS-DEMO PLAN LIVING UNITS 1,2,3,4**

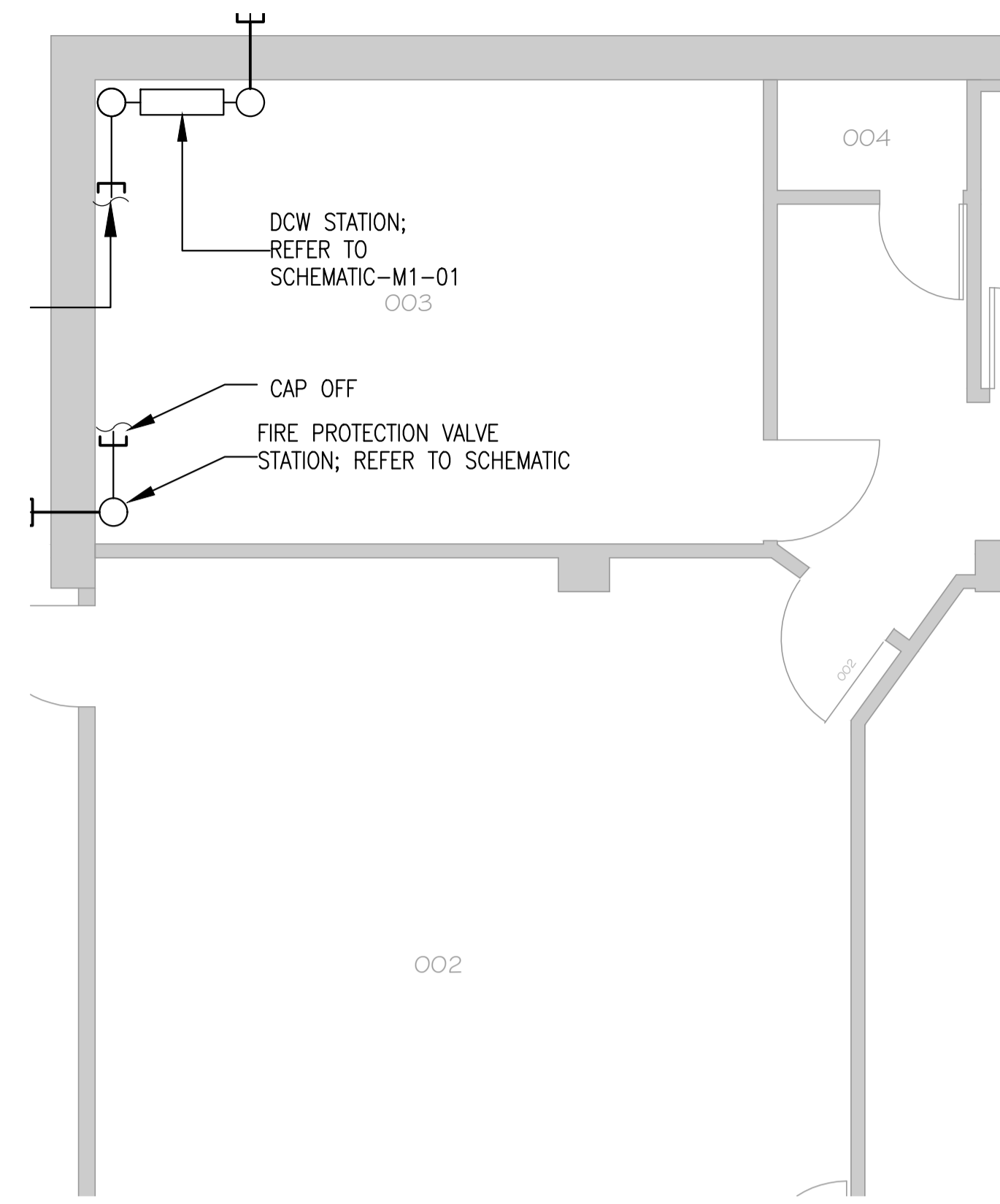
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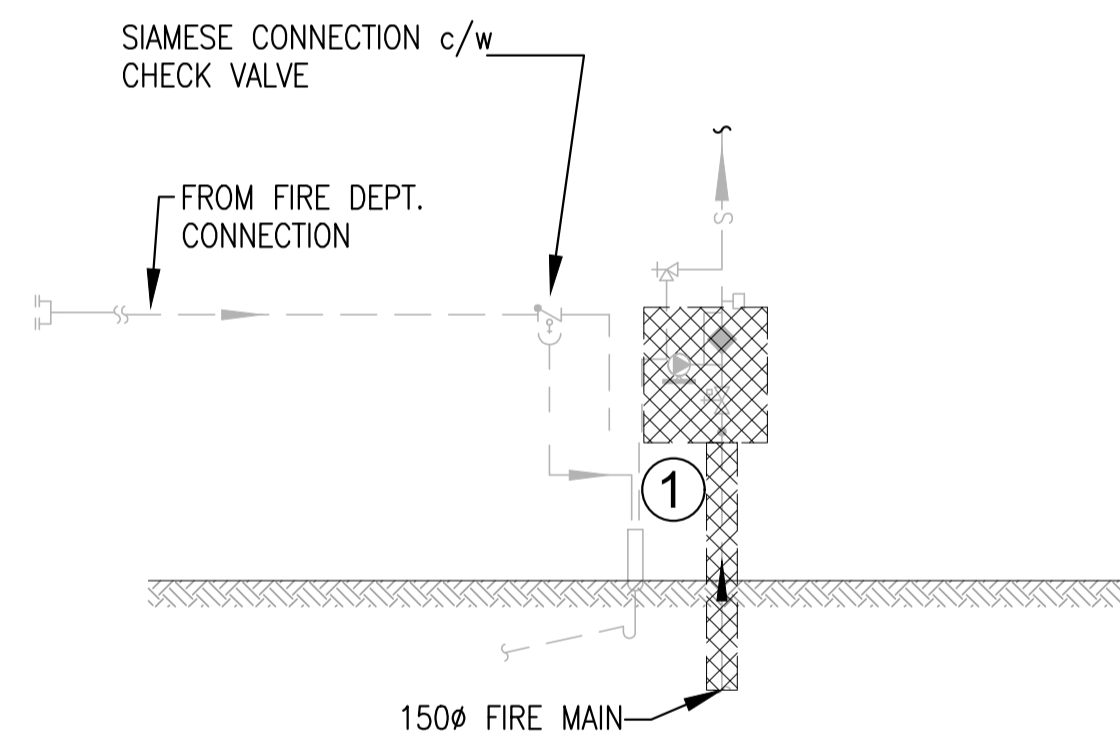
**BUILDING LU5- FP VALVE ROOM DEMO PLAN**  
SCALE 1:50



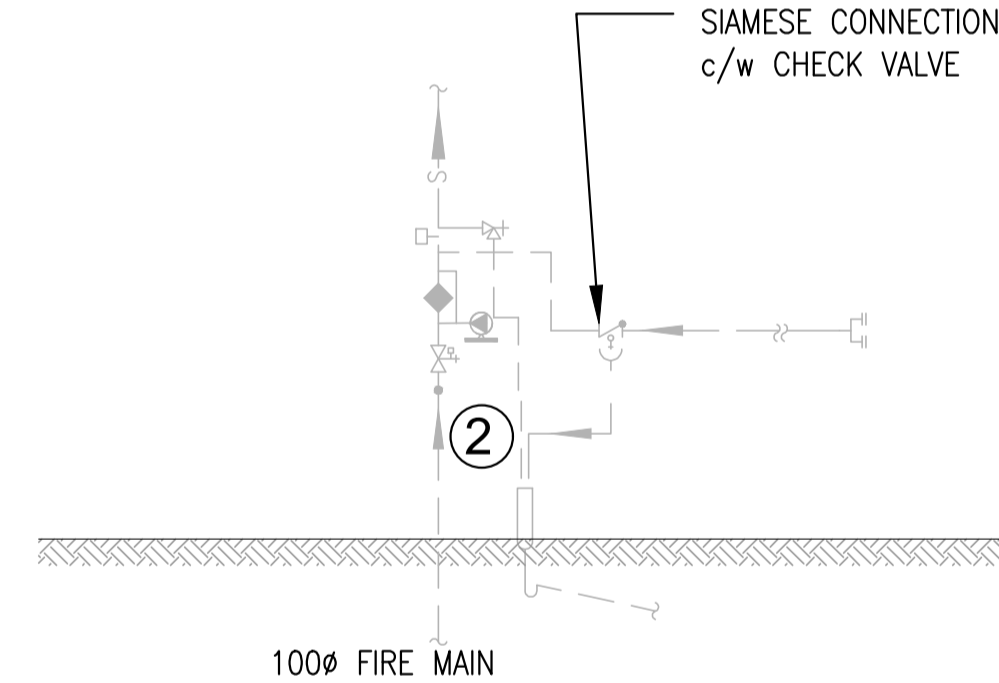
**SEGREGATION UNIT - FP VALVE ROOM DEMO PLAN**  
SCALE 1:50



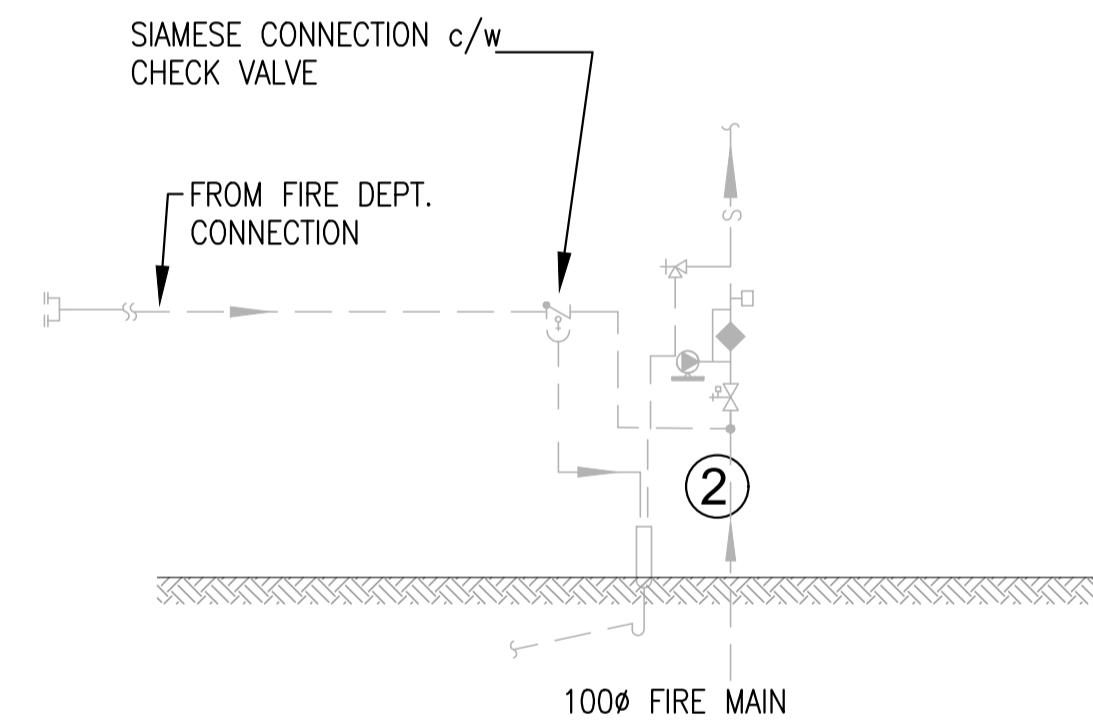
**JENSEN BUILDING - FP VALVE ROOM DEMO PLAN**  
SCALE 1:50



**BUILDING LU5 - FP VALVE ROOM DEMO PLAN-SCHEMATIC**  
SCALE: NTS



**SEGREGATION UNIT - FP VALVE ROOM DEMO PLAN-SCHEMATIC**  
SCALE: NTS



**JENSEN BUILDING - FP VALVE ROOM DEMO PLAN-SCHEMATIC**  
SCALE: NTS



**BUILDING LU5 - RELEVANT PHOTOS**  
SCALE: NTS



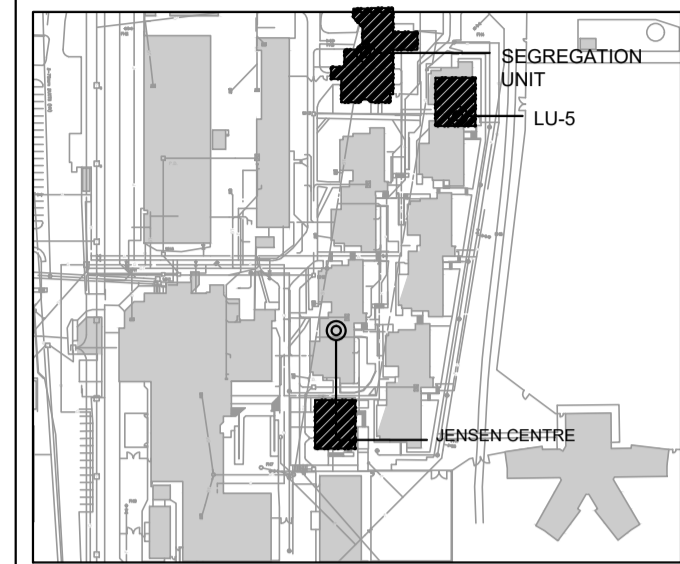
**SEGREGATION UNIT - RELEVANT PHOTOS**  
SCALE: NTS



**JENSEN BUILDING - RELEVANT PHOTOS**  
SCALE: NTS



**KEY PLAN**



**KEY NOTES:**

- ① REPLACE THE BUTTERFLY VALVE, ALARM C VALVE AND ACCESS PRESSURE BOOSTER COMPLETE WITH PRESSURE SWITCH AND ACCESSORIES
- ② NO WORK TO BE DONE. FOR INFORMATION ONLY

**GENERAL NOTES:**

1. REFER TO PHASING PLAN DRAWING NUMBER- MO-02

**LEGENDS:**

	EXISTING FLOW SWITCH
	EXISTING ALARM CHECK VALVE
	EXISTING EXCESS PRESSURE PUMP
	EXISTING GATE VALVE
	EXISTING SIAMESE CONNECTION



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Client/client

**CORRECTIONAL SERVICES OF CANADA**

MISSION, B.C.  
8751 STAVE LAKE ST.

Project title/Titre du projet  
MISSION, B.C.  
8751 STAVE LAKE ST.

**MISSION MEDIUM INSTITUTION WATERMAIN REPLACEMENT**  
DCW & SPRINKLER VALVE REPLACEMENT

Consultant Signature Only

Designed by/Concept par  
NK

Drawn by/Dessine par  
MD

PWGSC Project Manager/Administrateur de Projets TPSSC  
TONY TANG

Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSSC

Drawing title/Titre du dessin  
**FP VALVE ROOMS-DEMO PLAN**  
**LIVING UNIT 5, SEGREGATION UNIT**  
**AND JENSEN CENTRE**

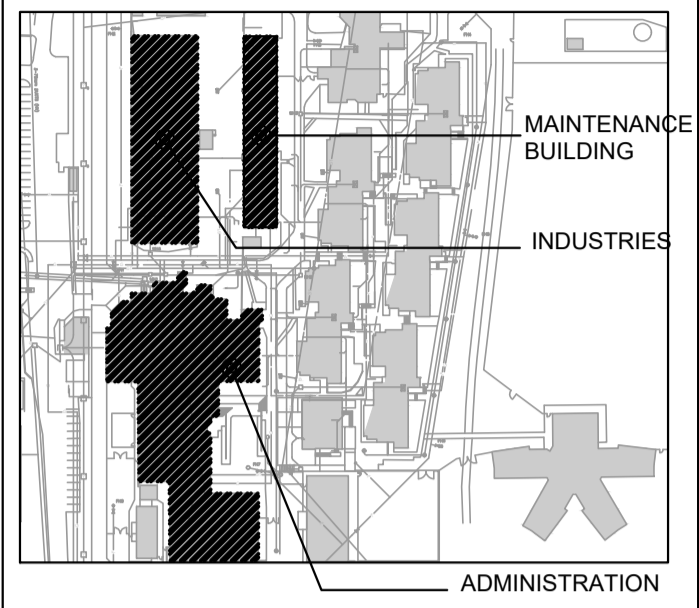
161-11296-01

Project No./No. du projet <b>R.089147.001</b>	Sheet/Fauille <b>M2-01</b>	Revision no./ La Révision no. <b>7</b>
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KEY PLAN



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- KEY NOTES:**
1. REPLACE THE BUTTERFLY VALVE, ALARM C VALVE AND ACCESS PRESSURE BOOSTER COMPLETE WITH PRESSURE SWITCH AND ACCESSORIES
  2. NO WORK TO BE DONE. FOR INFORMATION ONLY

- GENERAL NOTES:**
1. REFER TO PHASING PLAN DRAWING NUMBER- MO-02

**LEGENDS:**

	EXISTING FLOW SWITCH
	EXISTING ALARM CHECK VALVE
	EXISTING EXCESS PRESSURE PUMP
	EXISTING GATE VALVE
	EXISTING SIAMESE CONNECTION

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**CORRECTIONAL SERVICES OF CANADA**

MISSION, B.C.  
8751 STAVE LAKE ST.

Project title/Titre du projet  
**MISSION, B.C.  
8751 STAVE LAKE ST.**

**MISSION MEDIUM INSTITUTION WATERMAIN REPLACEMENT  
DCW & SPRINKLER VALVE REPLACEMENT**

Consultant Signature Only

Designed by/Concept par  
NK

Drawn by/Dessiné par  
MD

PWGC Project Manager/Administrateur de Projets TPSCG  
TONY TANG

Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSCG

Drawing title/Titre du dessin

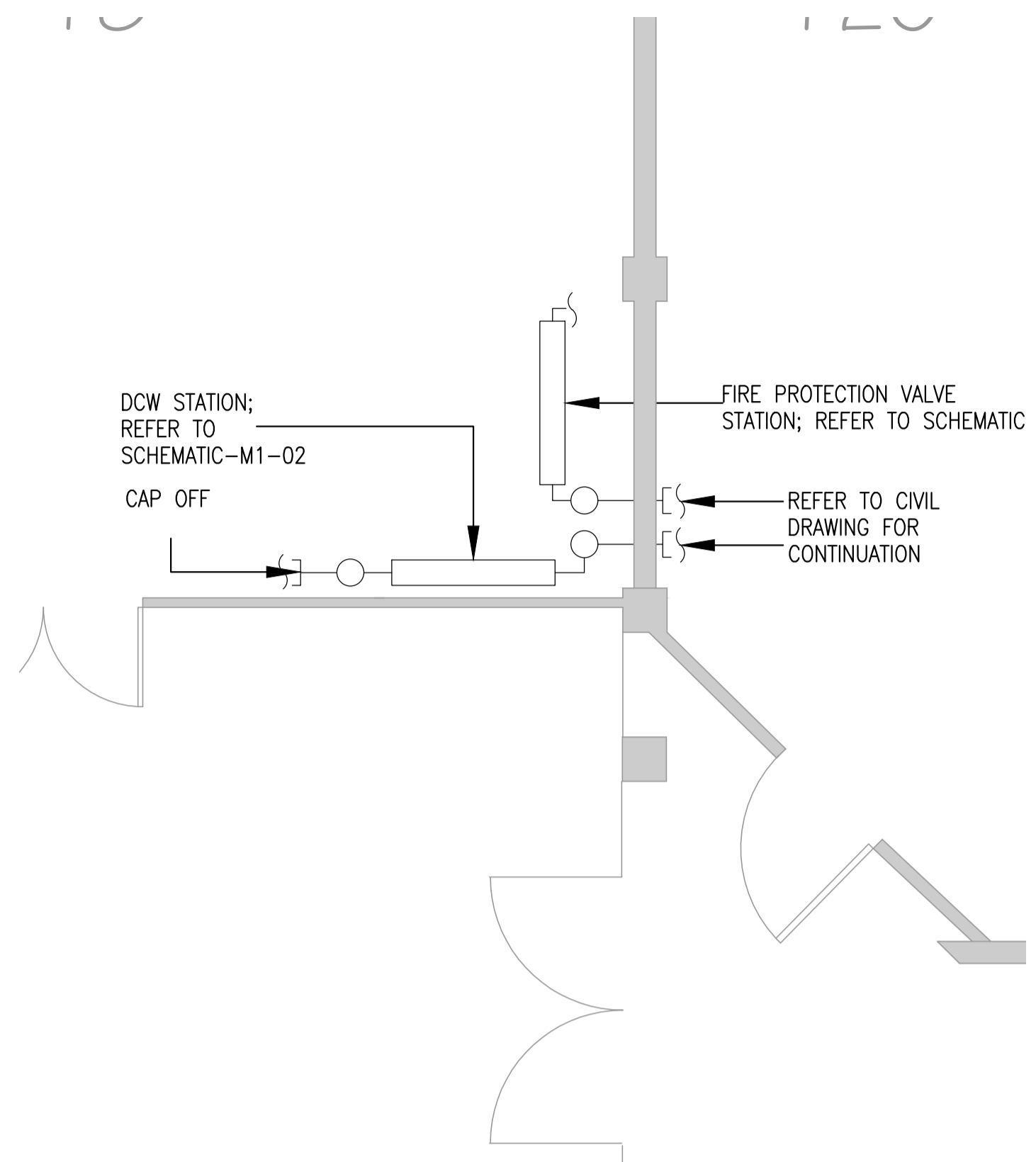
**FP VALVE ROOMS-DEMO PLAN  
ADMINISTRATION, INDUSTRIES  
AND MAINTENANCE BUILDING**

161-11296-01

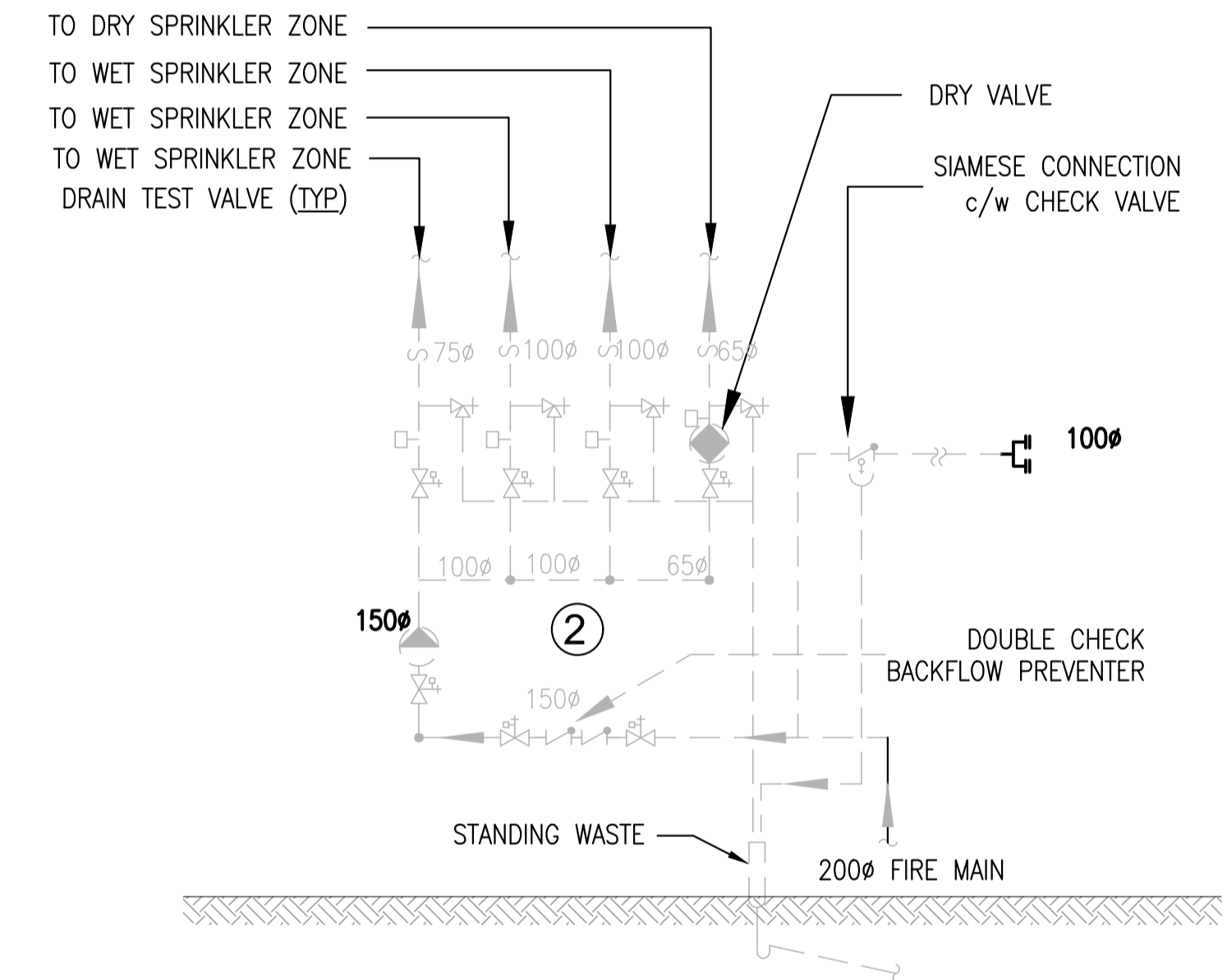
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**R.089147.001**

Sheet/Fauille  
**M2-02**

Revision no./  
La Révision no.  
**7**



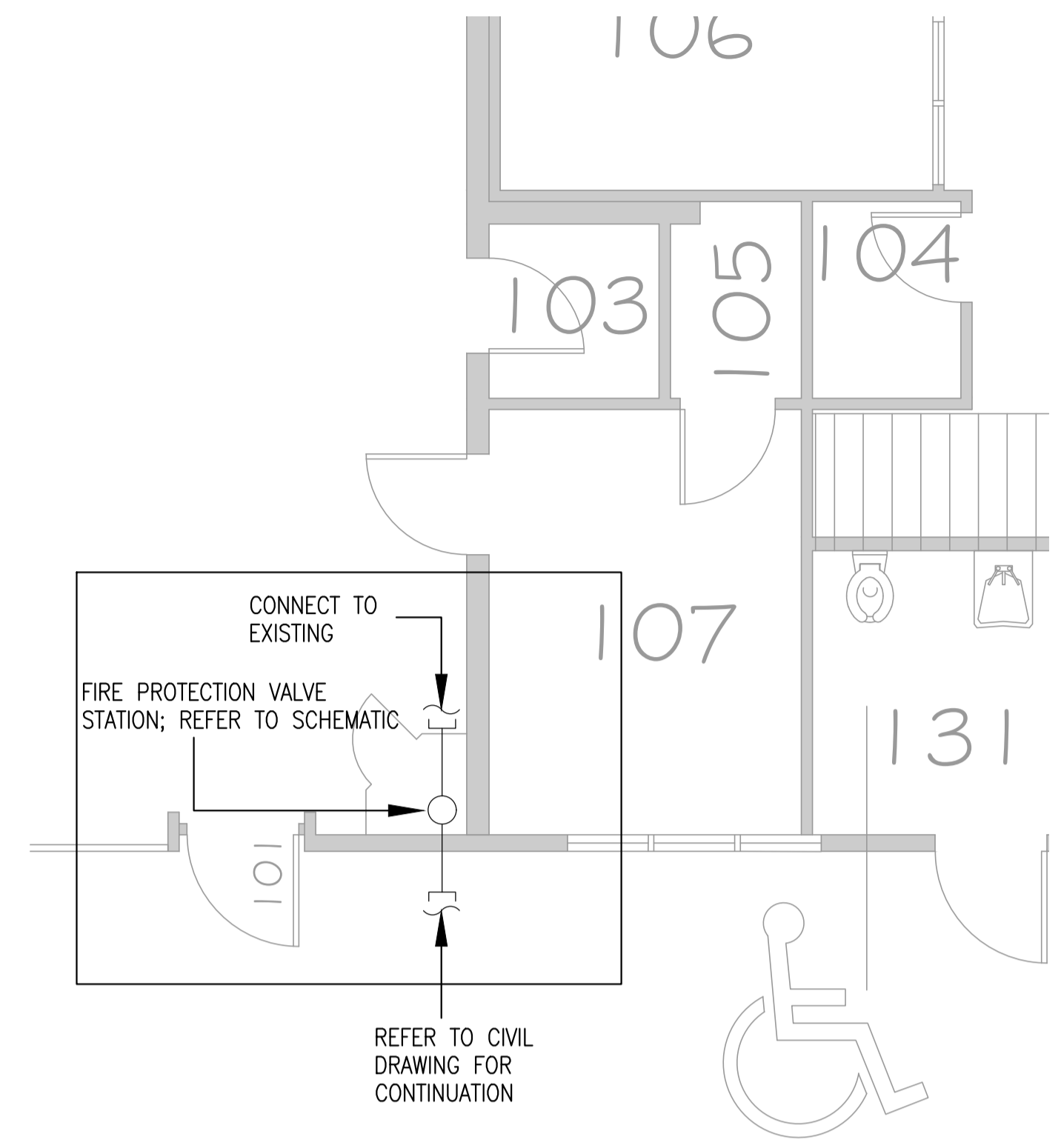
**ADMIN BUILDING - FP VALVE ROOM DEMO PLAN**  
SCALE 1:50



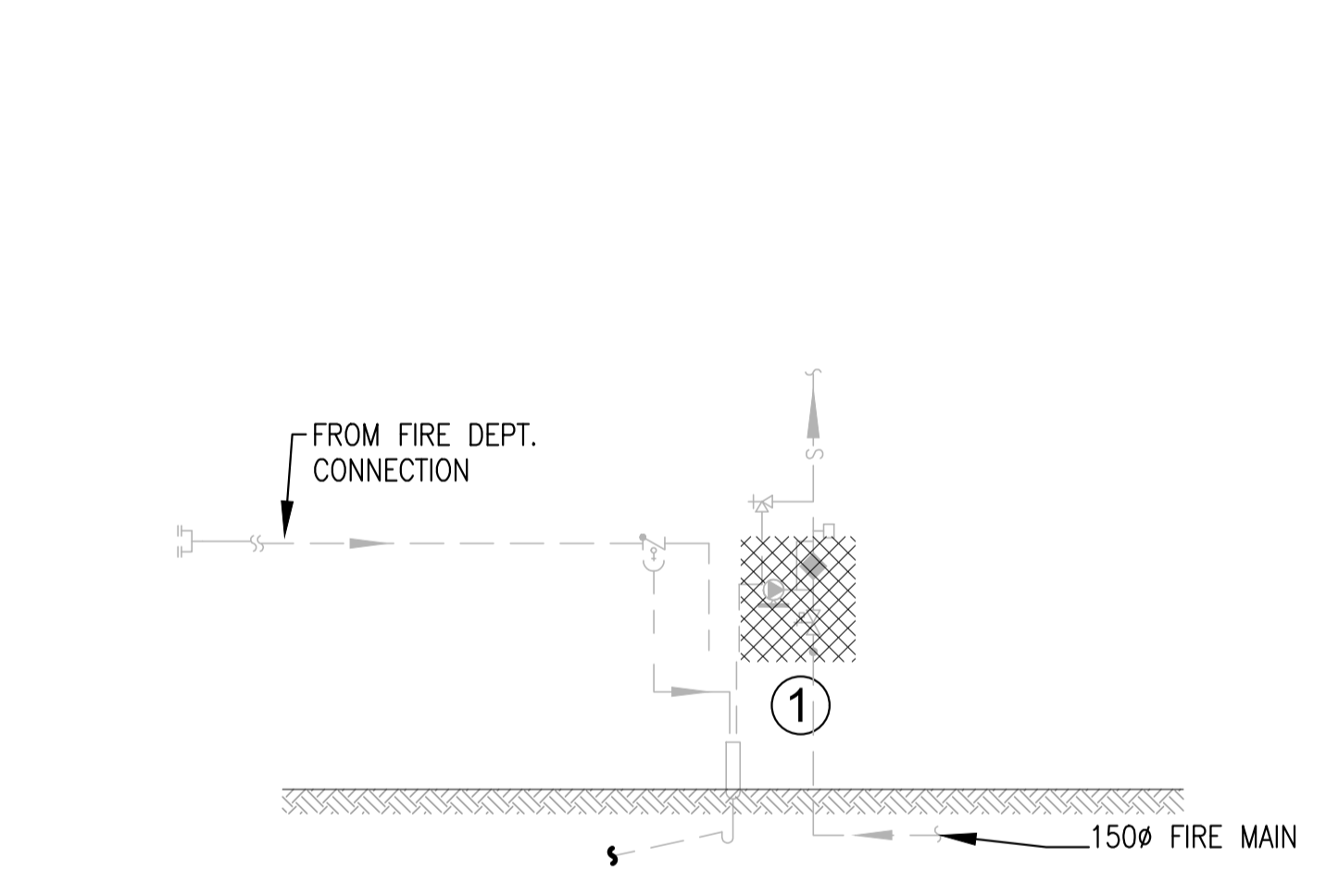
**ADMIN BUILDING - FP VALVE ROOM DEMO PLAN-SCHEMATIC**  
SCALE: NTS



**ADMIN BUILDING - RELEVANT PHOTOS**  
SCALE: NTS



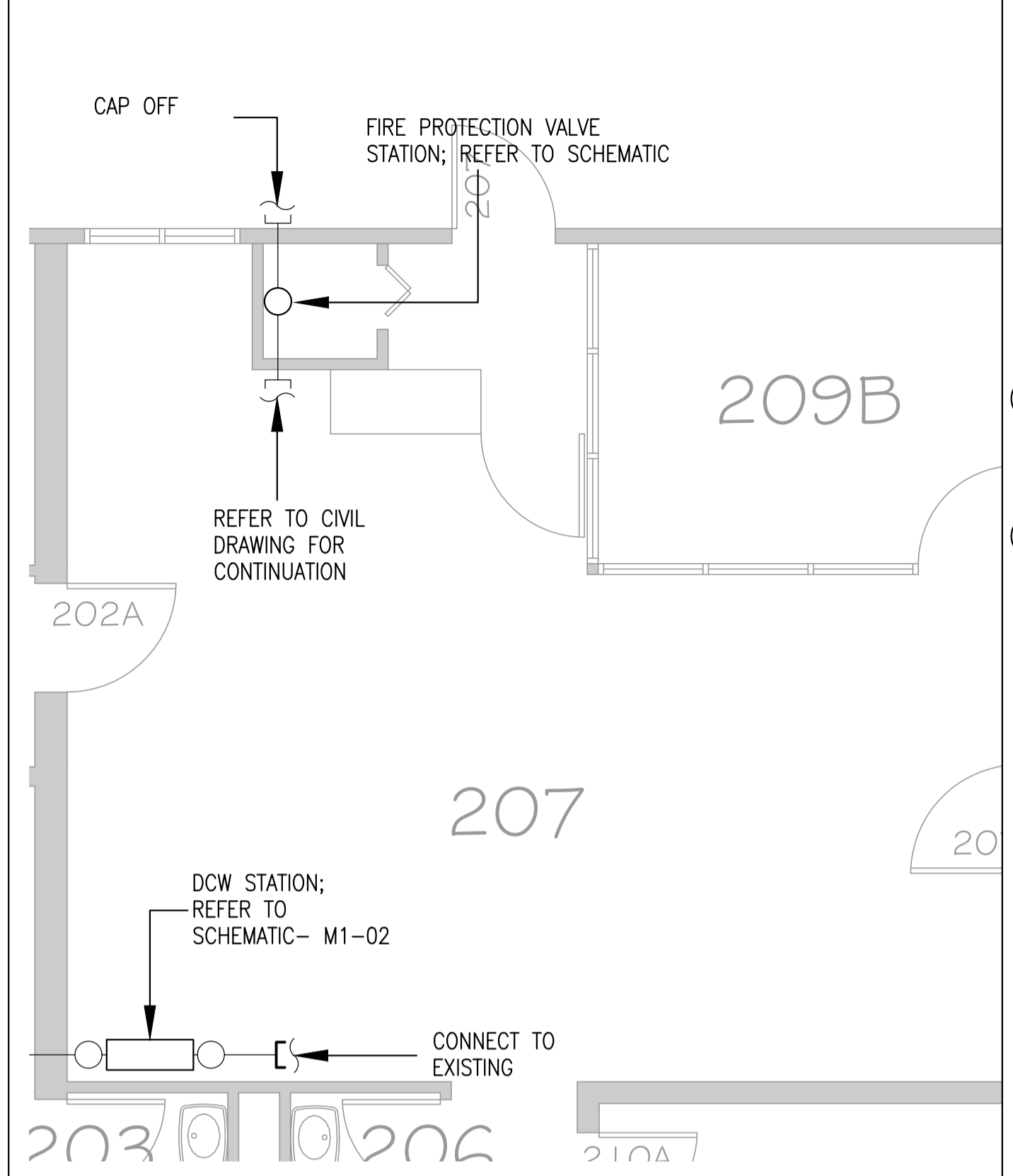
**INDUSTRIES - FP VALVE ROOM DEMO PLAN**  
SCALE 1:50



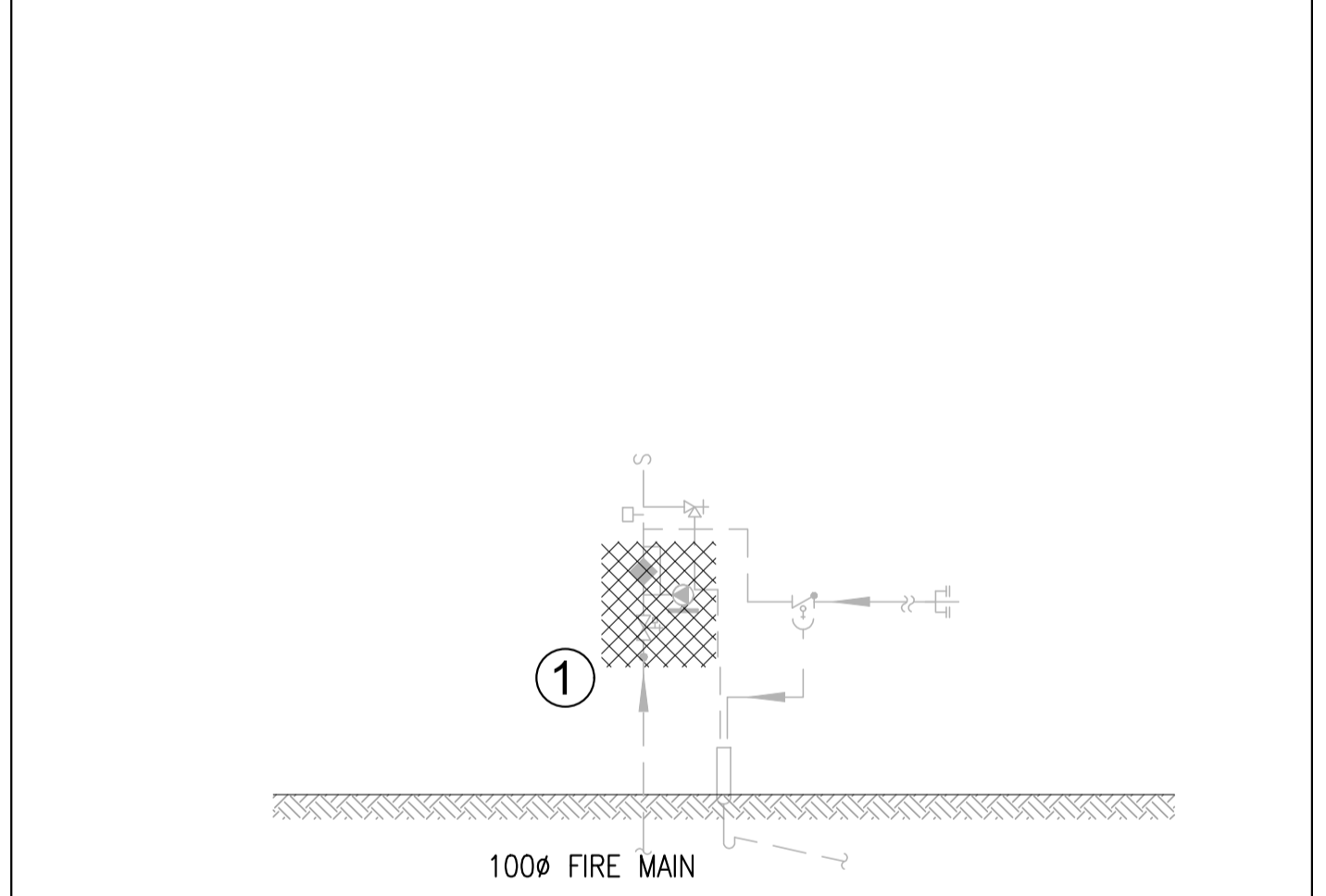
**INDUSTRIES SHOP - FP VALVE ROOM DEMO PLAN-SCHEMATIC**  
SCALE: NTS



**INDUSTRIES - RELEVANT PHOTOS**  
SCALE: NTS



**MAINTENANCE BUILDING - FP VALVE ROOM DEMO PLAN**  
SCALE 1:50



**MAINTENANCE BUILDING - FP VALVE ROOM DEMO PLAN-SCHEMATIC**  
SCALE: NTS



**MAINTENANCE BUILDING - RELEVANT PHOTOS**  
SCALE: NTS



KEY PLAN



Engineers & Geoscientists BC Permit #1000200



GENERAL NOTES:

1. REFER TO PHASING PLAN DRAWING NUMBER-M0-02

Revision/Revision	Description/Description	Date/Date
7	Re-issued for Tender	23/11/2021
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CORRECTIONAL SERVICES OF CANADA

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8751 STAVE LAKE ST.

Project title/Titre du projet  
MISSION, B.C.  
8751 STAVE LAKE ST.

MISSION MEDIUM INSTITUTION WATERMAIN REPLACEMENT  
DCW & SPRINKLER VALVE REPLACEMENT

Consultant Signature Only

Designed by/Concept par  
NK

Drawn by/Dessiné par  
MD

PWGSC Project Manager/Administrateur de Projets TPSPG  
TONY TANG

Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSPG

Drawing title/Titre du dessin

VALVE ROOMS-NEW PLAN  
LIVING UNITS 1,2,3,4-DCW & FP

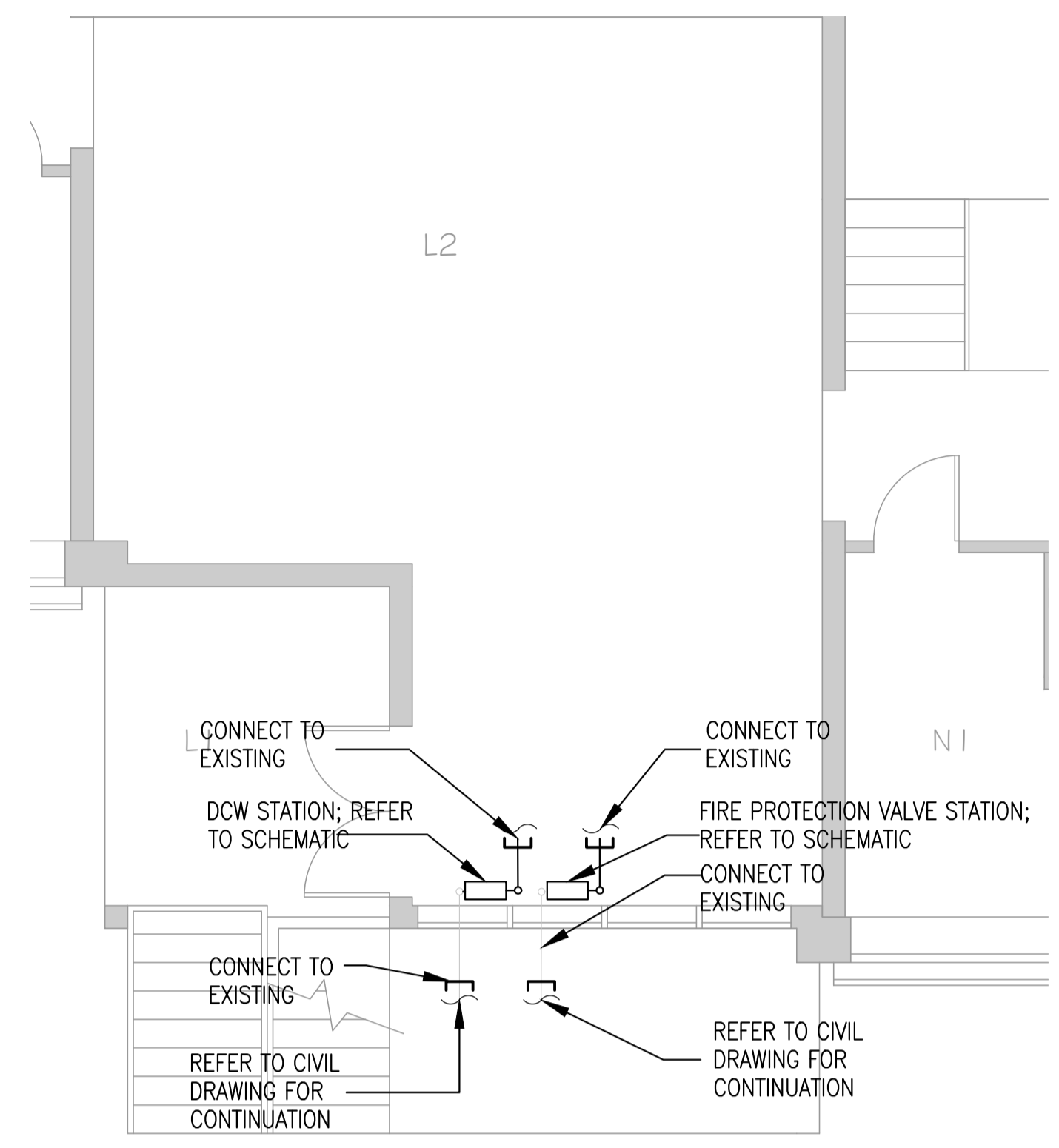
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Project No./No. du projet  
R.089147.001

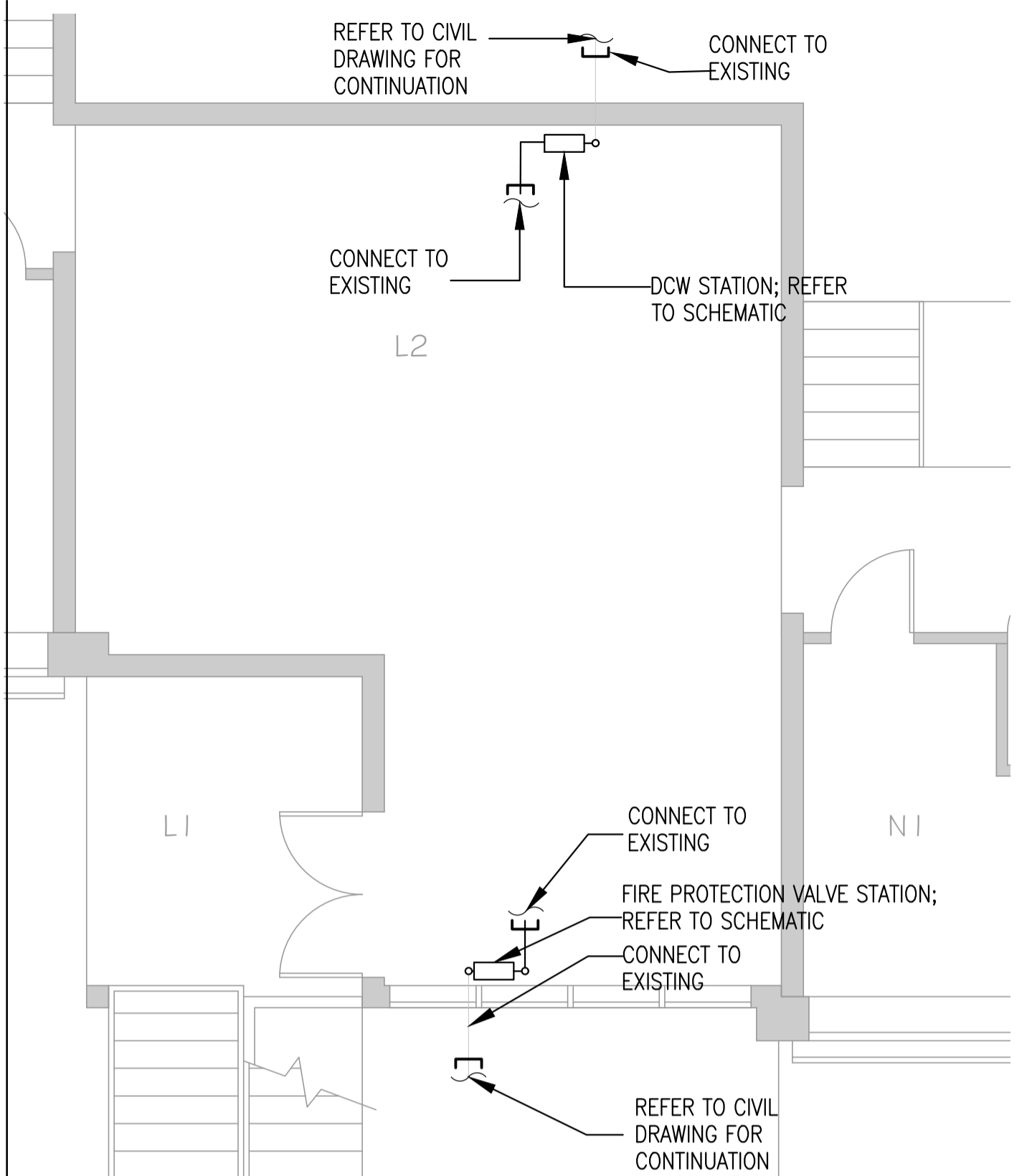
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M3-00

Revision no./  
La Révision no.  
7

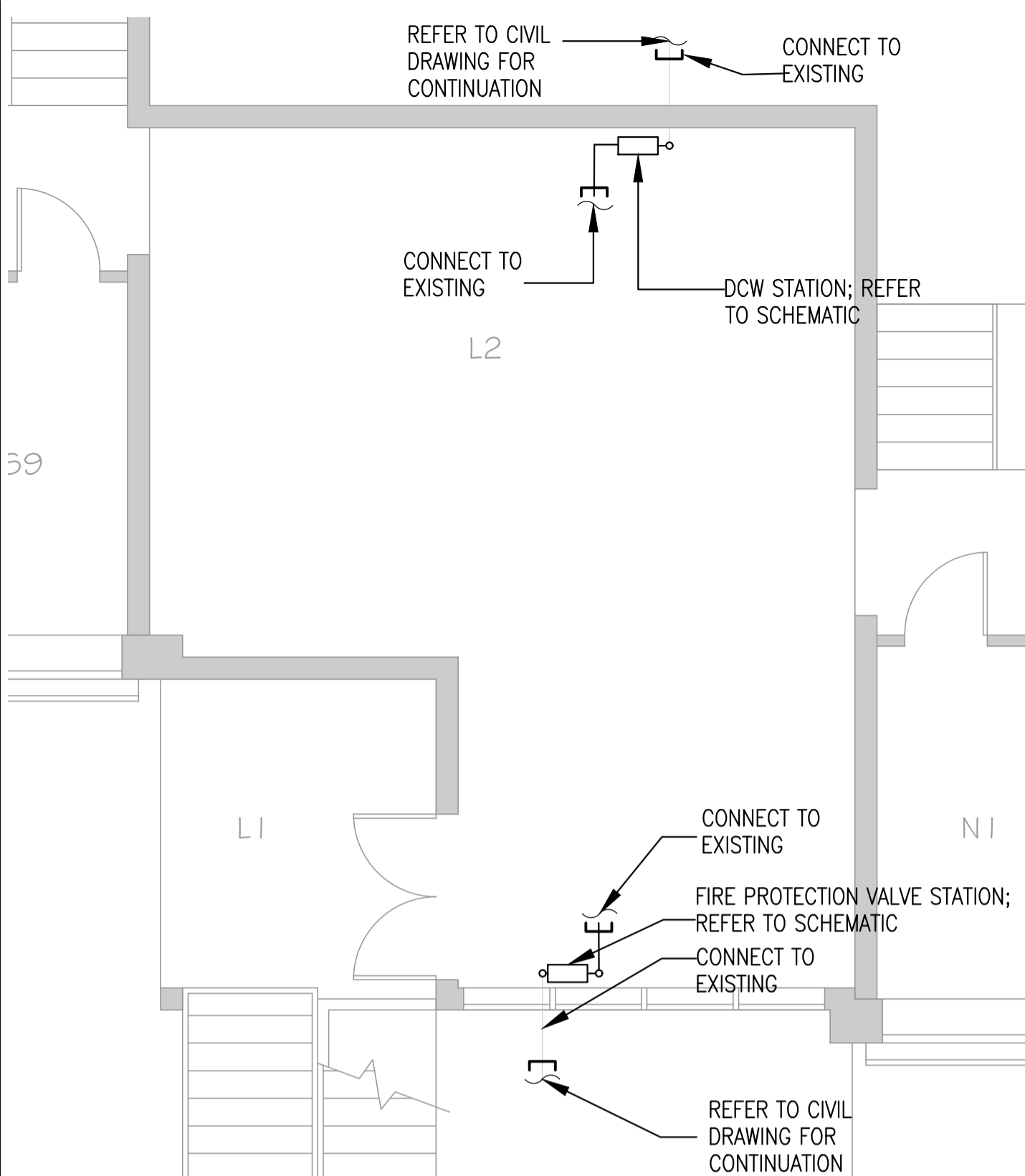
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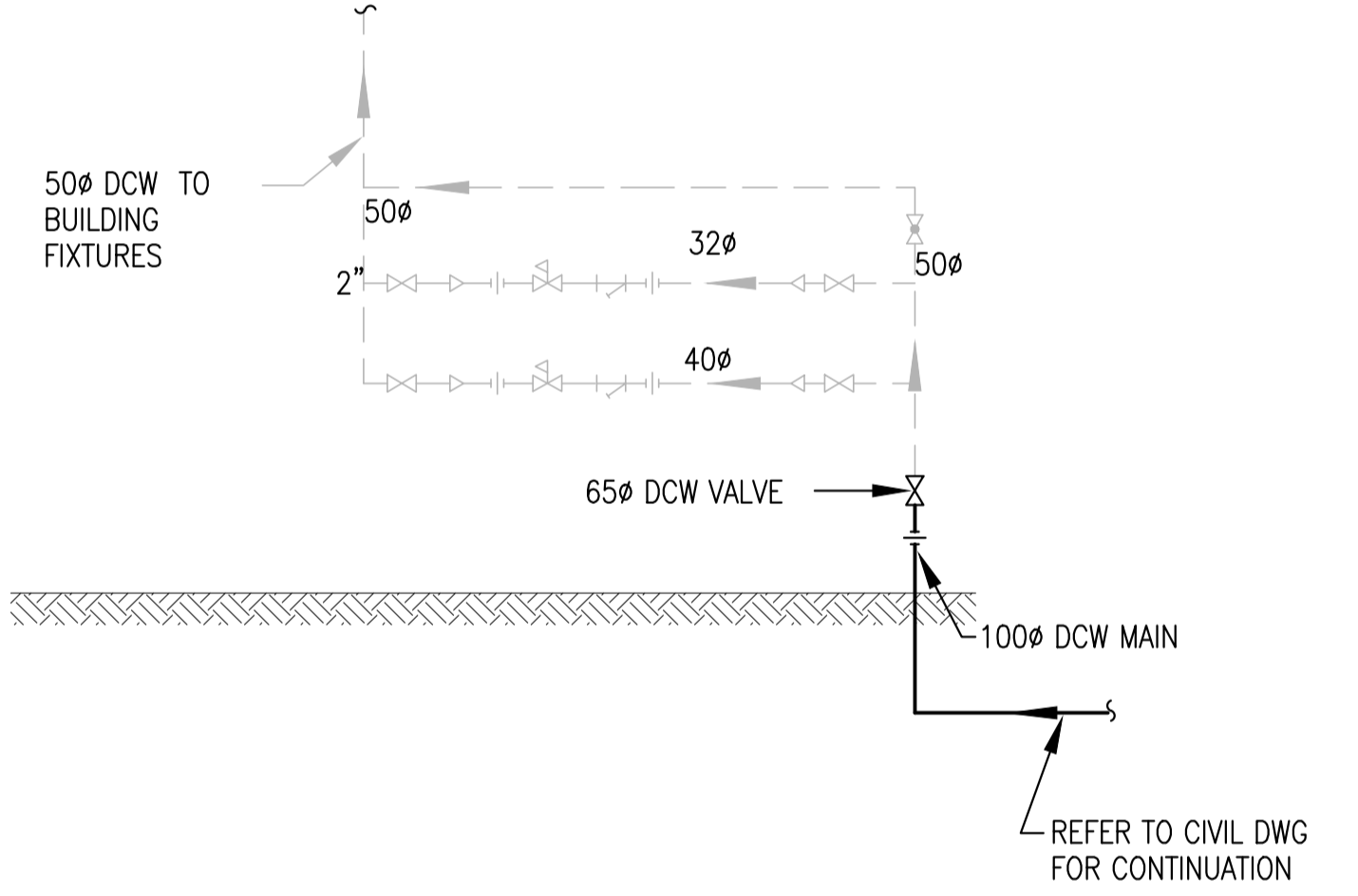
BUILDING LU1 & LU2 - DCW VALVE ROOM NEW PLAN  
SCALE 1:50



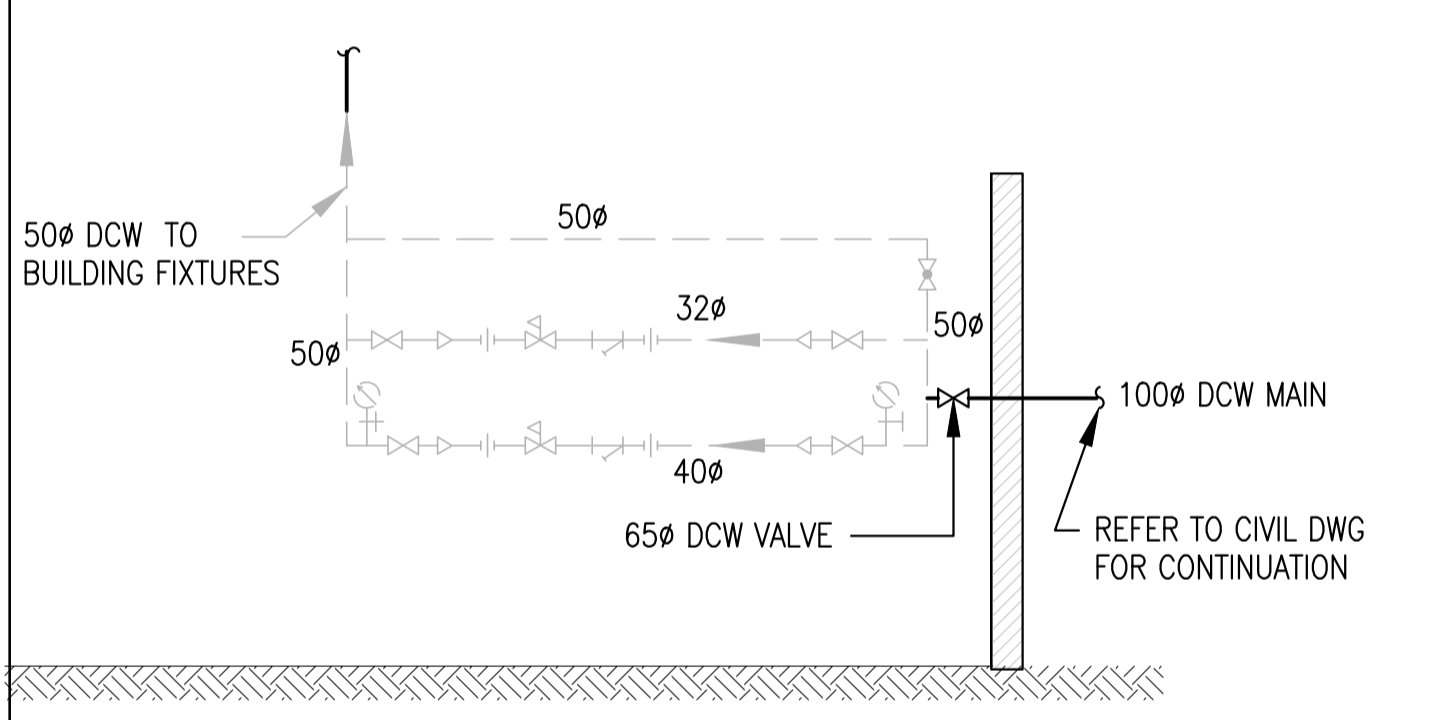
BUILDING LU3- DCW VALVE ROOM NEW PLAN  
SCALE 1:50



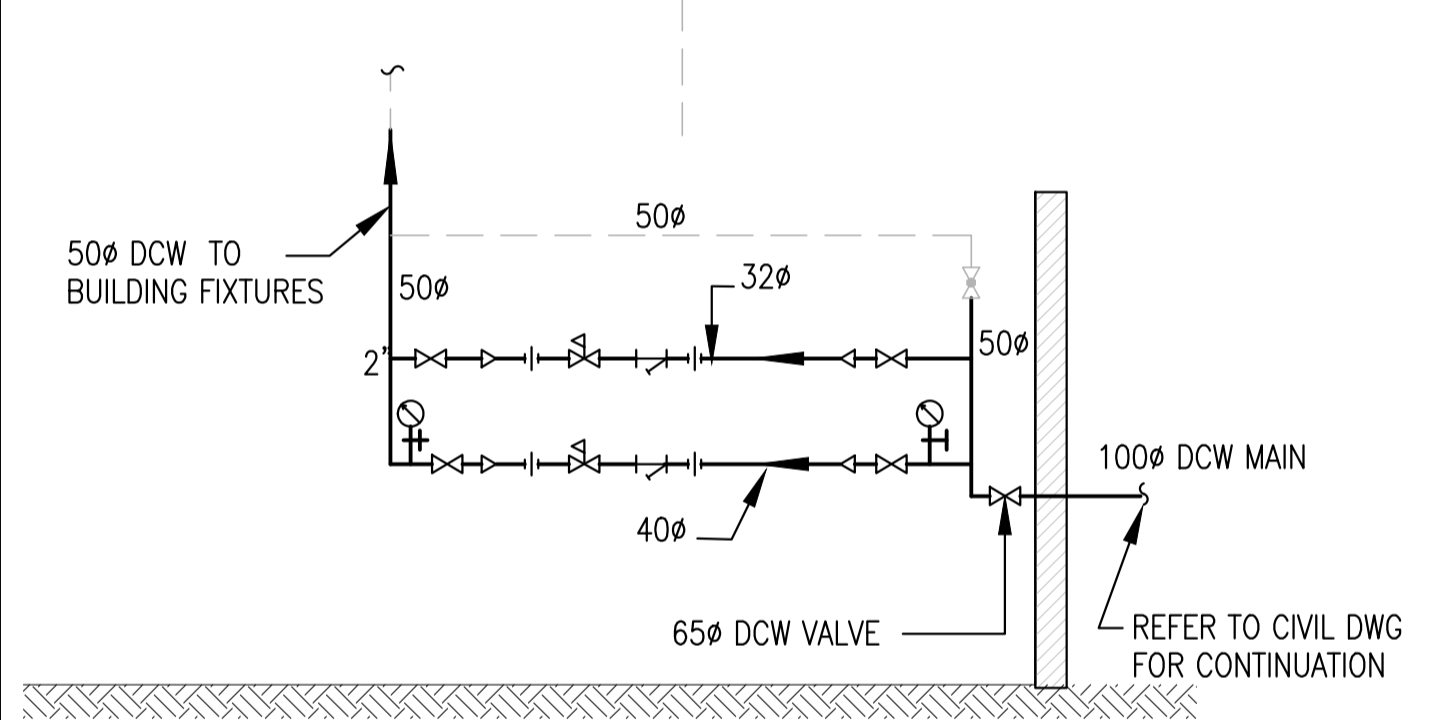
BUILDING LU5- DCW VALVE ROOM NEW PLAN  
SCALE 1:100



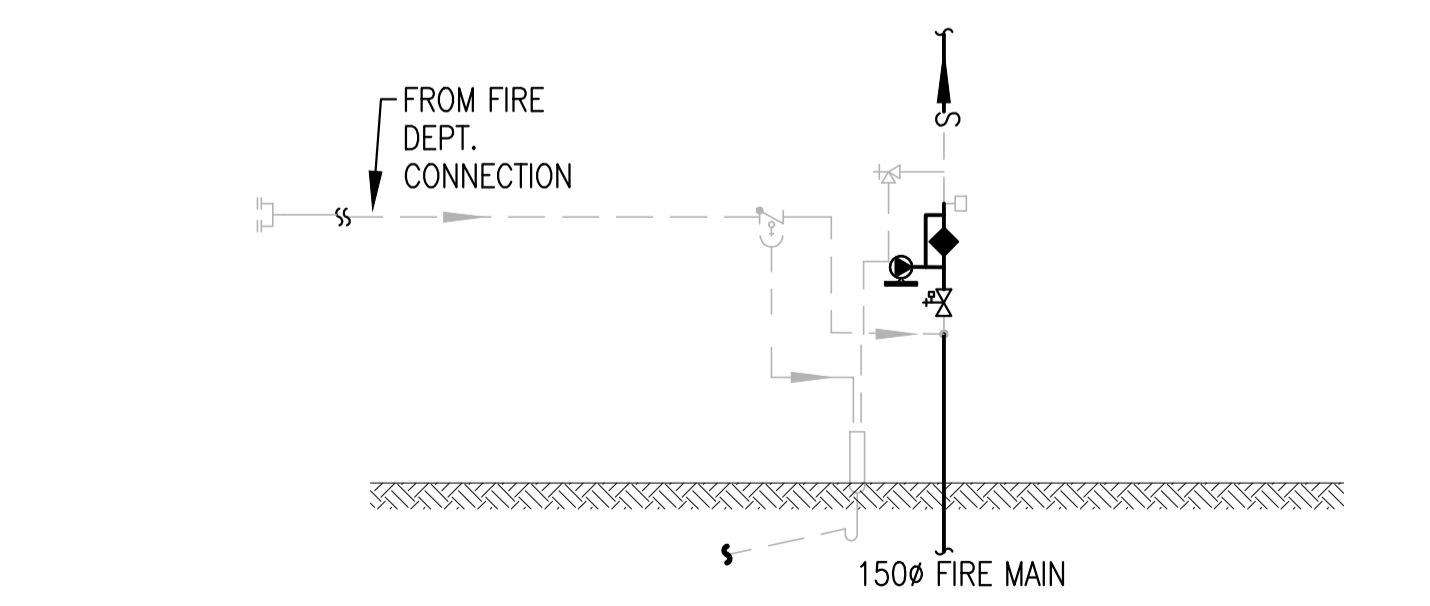
BUILDING LU1 & LU2 - DCW VALVE ROOM - NEW SCHEMATIC  
SCALE: NTS



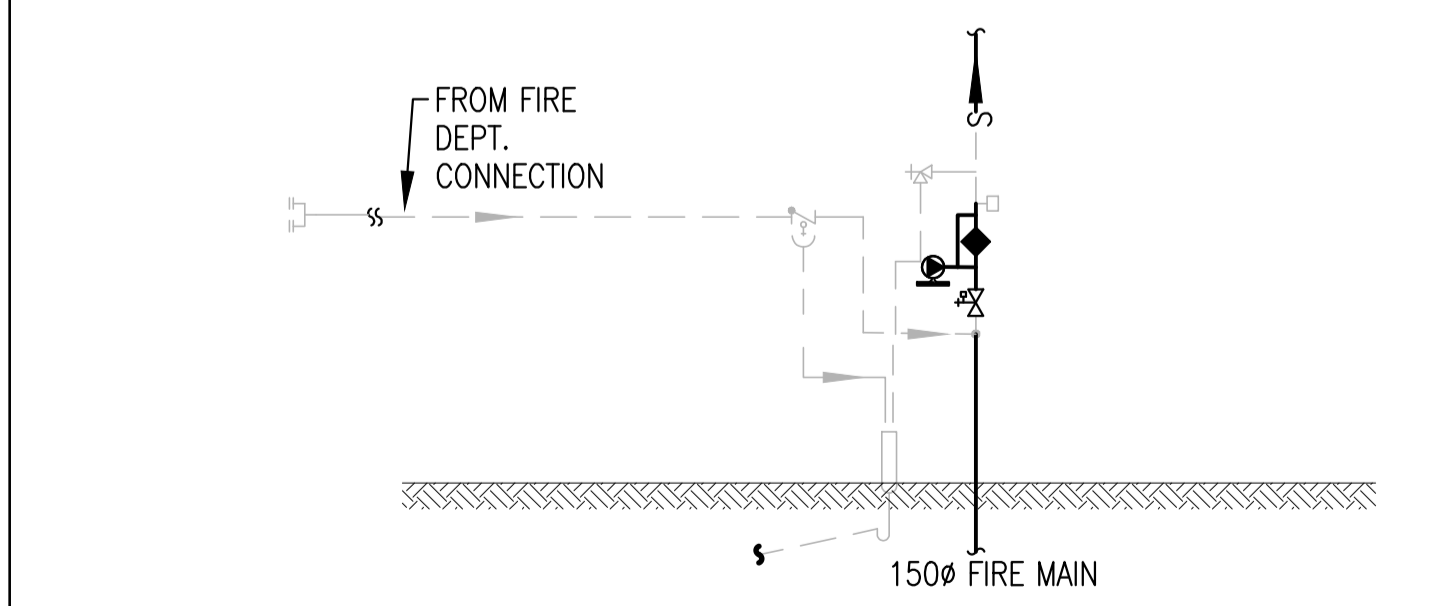
BUILDING LU3 - DCW VALVE ROOM - NEW SCHEMATIC  
SCALE: NTS



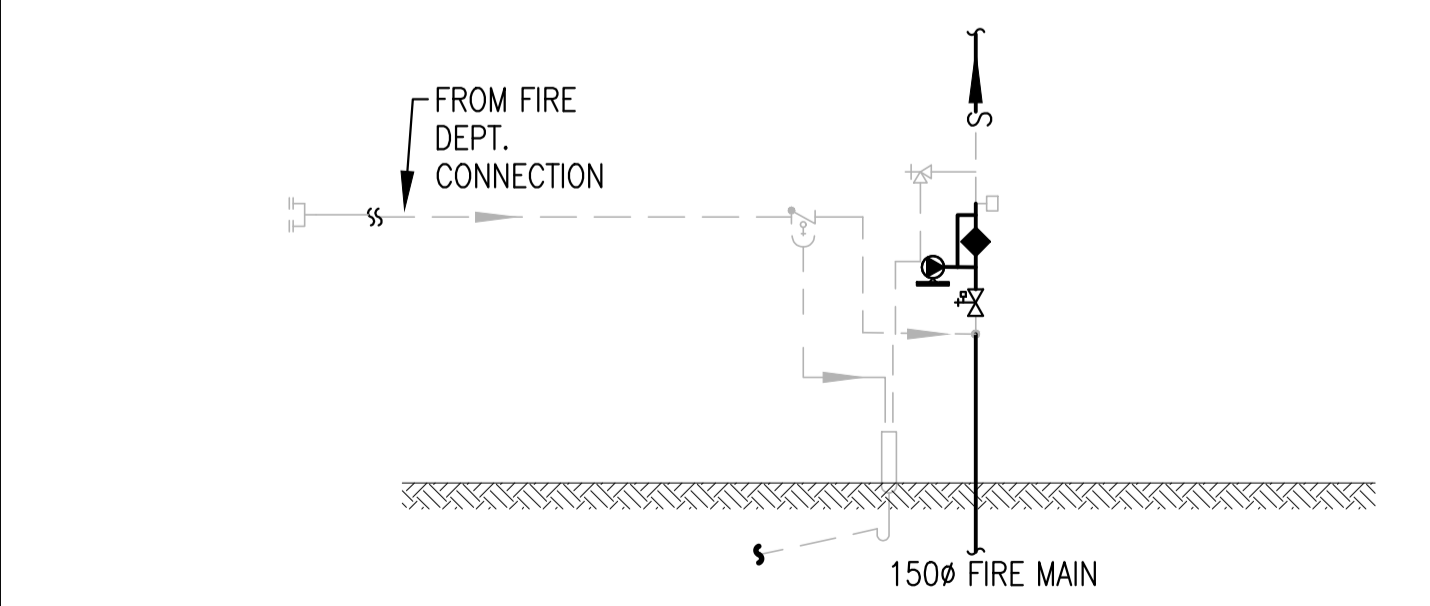
BUILDING LU4 - DCW VALVE ROOM - NEW SCHEMATIC  
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BUILDING LU1 & LU2 - FIRE PROTECTION (FP) VALVE ROOM - NEW SCHEMATIC  
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BUILDING LU3 - FIRE PROTECTION (FP) VALVE ROOM - NEW SCHEMATIC  
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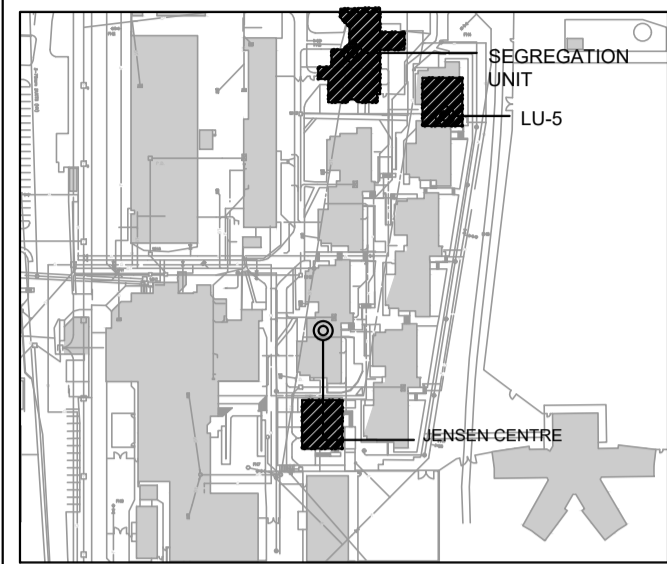
BUILDING LU4 - FIRE PROTECTION (FP) VALVE ROOM - NEW SCHEMATIC  
SCALE: NTS

LEGENDS:

□	NEW FLOW SWITCH
◆	NEW ALARM CHECK VALVE
⊕	NEW EXCESS PRESSURE PUMP
⊗	NEW GATE VALVE
⊞	EXISTING SIAMESE CONNECTION
□	EXISTING FLOW SWITCH
⊞	EXISTING DRAIN VALVE



KEY PLAN



Engineers & Geoscientists BC Permit #1000200



GENERAL NOTES:

- 1. REFER TO PHASING PLAN DRAWING NUMBER-M0-02

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CORRECTIONAL SERVICES OF CANADA

MISSION, B.C. 8751 STAVE LAKE ST.

Project title/Titre du projet: MISSION, B.C. 8751 STAVE LAKE ST.

MISSION MEDIUM INSTITUTION WATERMAIN REPLACEMENT DCW & SPRINKLER VALVE REPLACEMENT

Consultant Signature Only

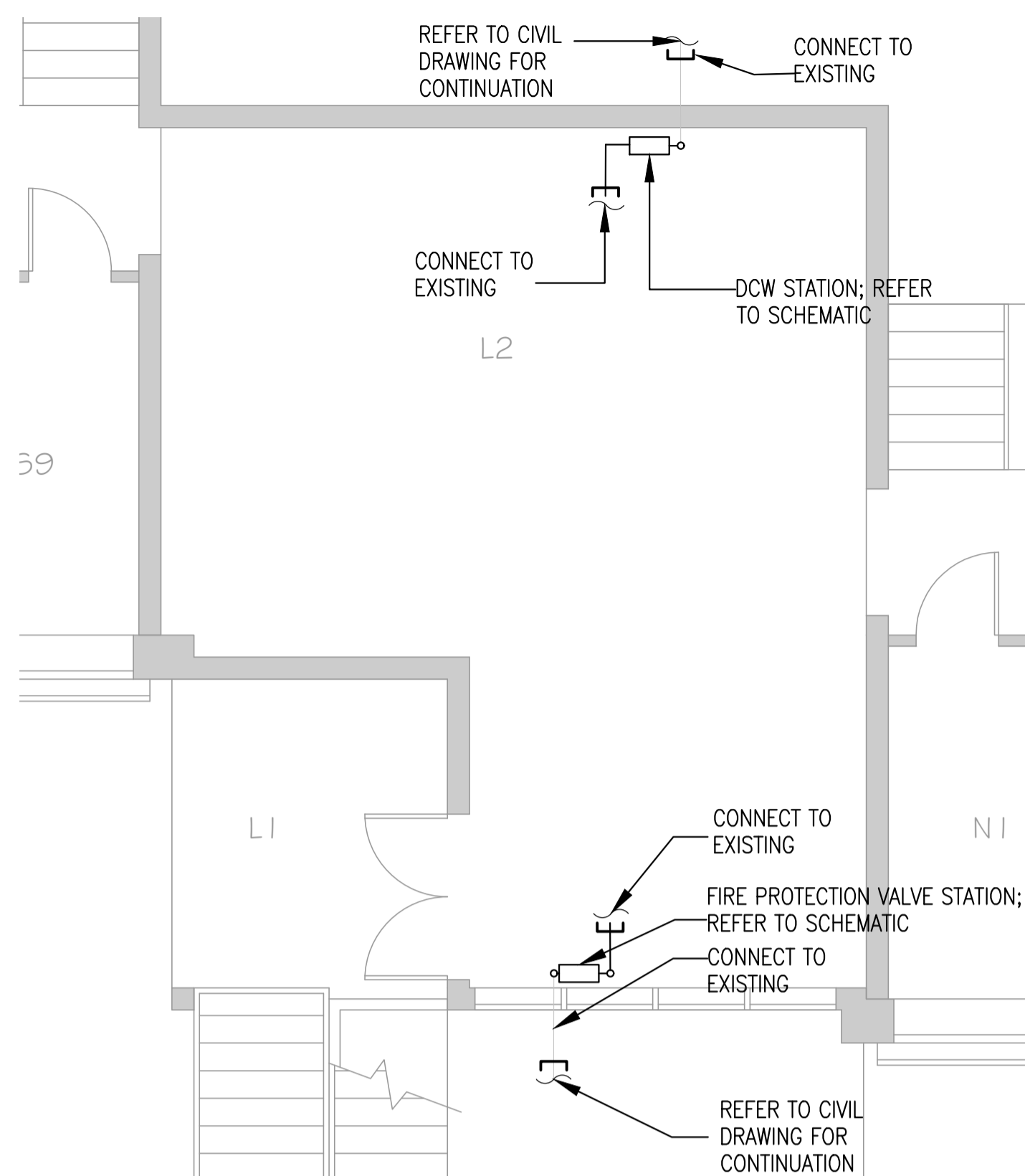
Designed by/Concept par: NK  
Drawn by/Dessiné par: MD

PWSC Project Manager/Administrateur de Projets TPSCG: TONY TANG  
Regional Manager, Architectural and Engineering Services / Gestionnaire régionale, Services d'architectural et de génie, TPSCG

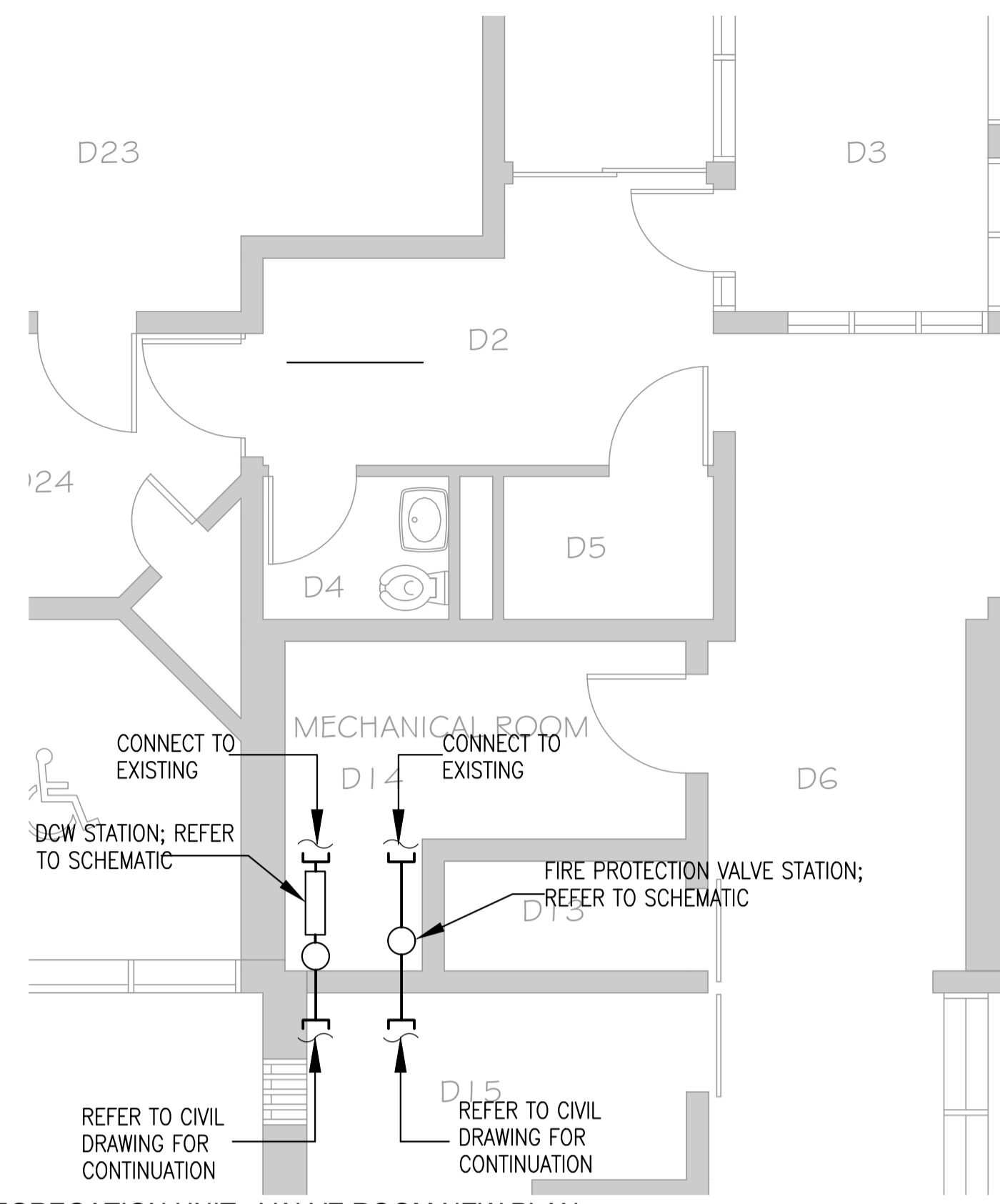
VALVE ROOMS-NEW PLAN LIVING UNIT 5, SEGREGATION UNIT AND JENSEN CENTRE-DCW & FP

161-11296-01

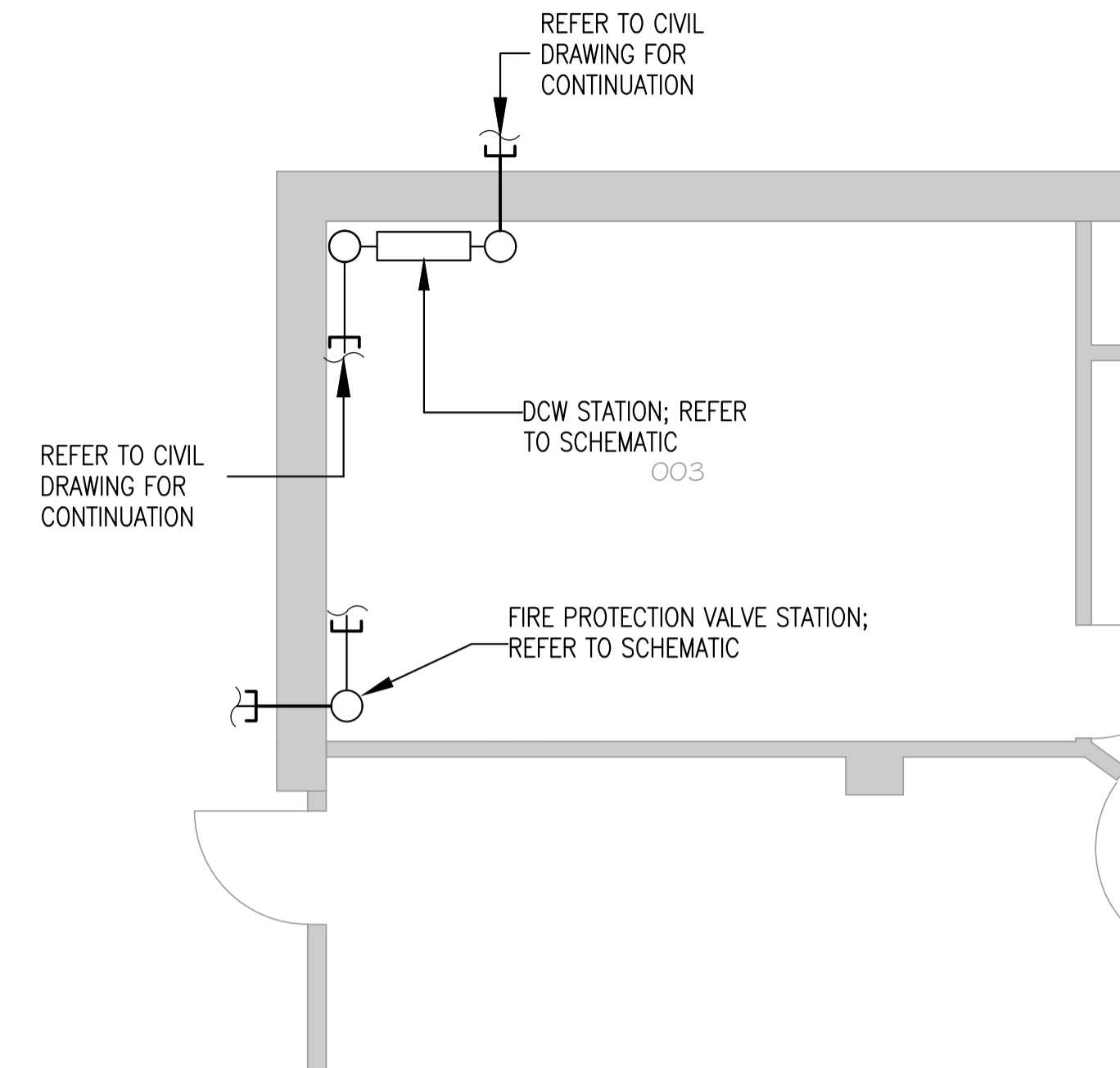
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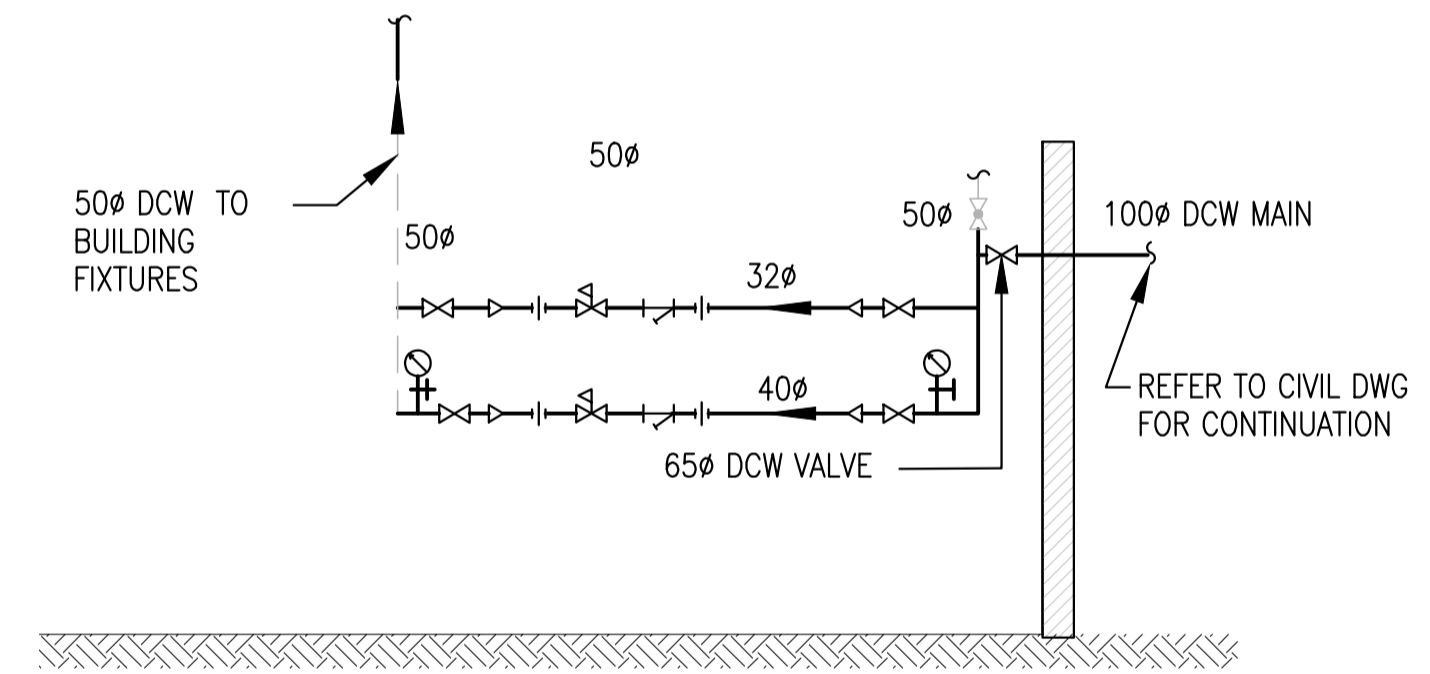
BUILDING LU5- VALVE ROOM NEW PLAN SCALE 1:50



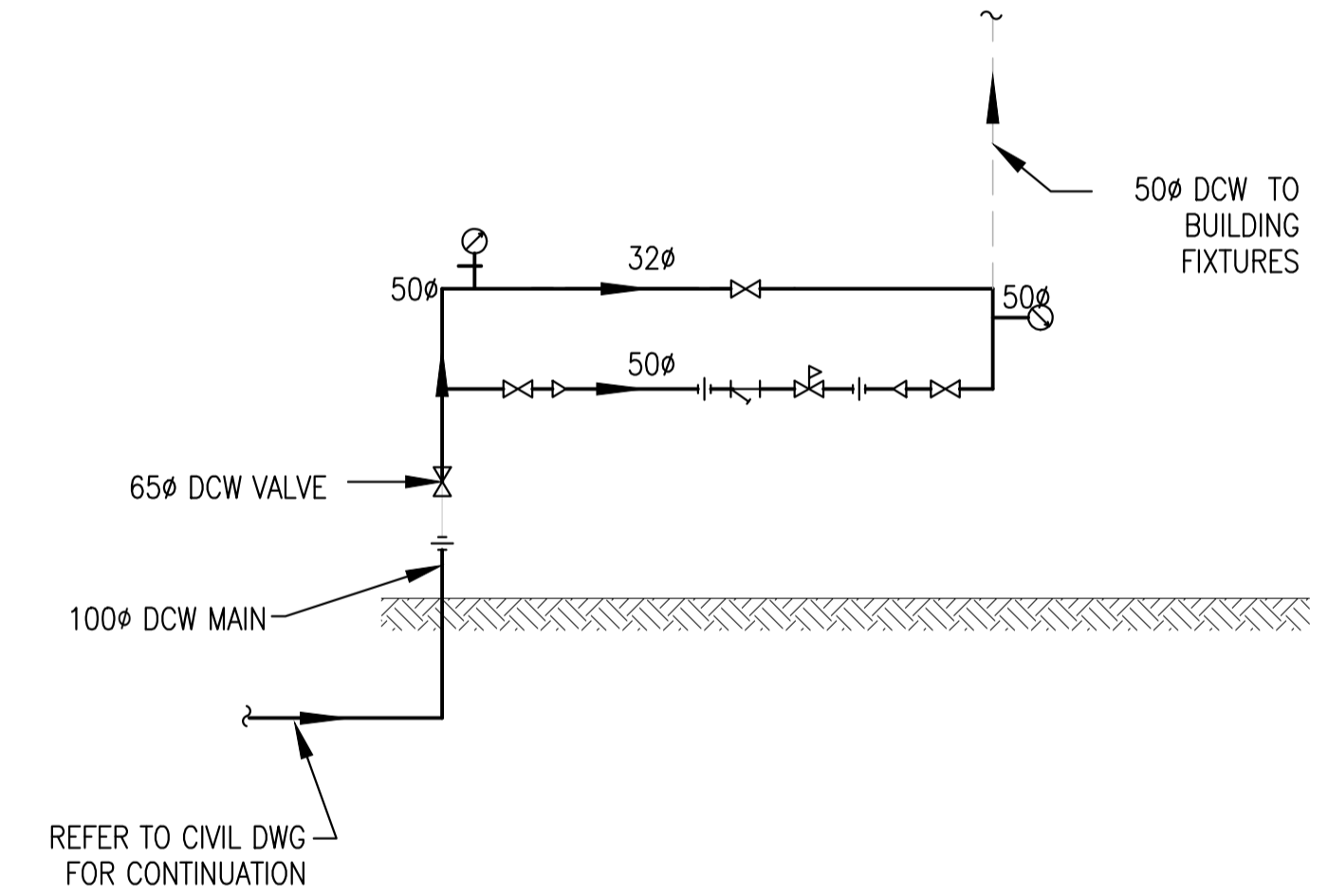
SEGREGATION UNIT - VALVE ROOM NEW PLAN SCALE 1:50



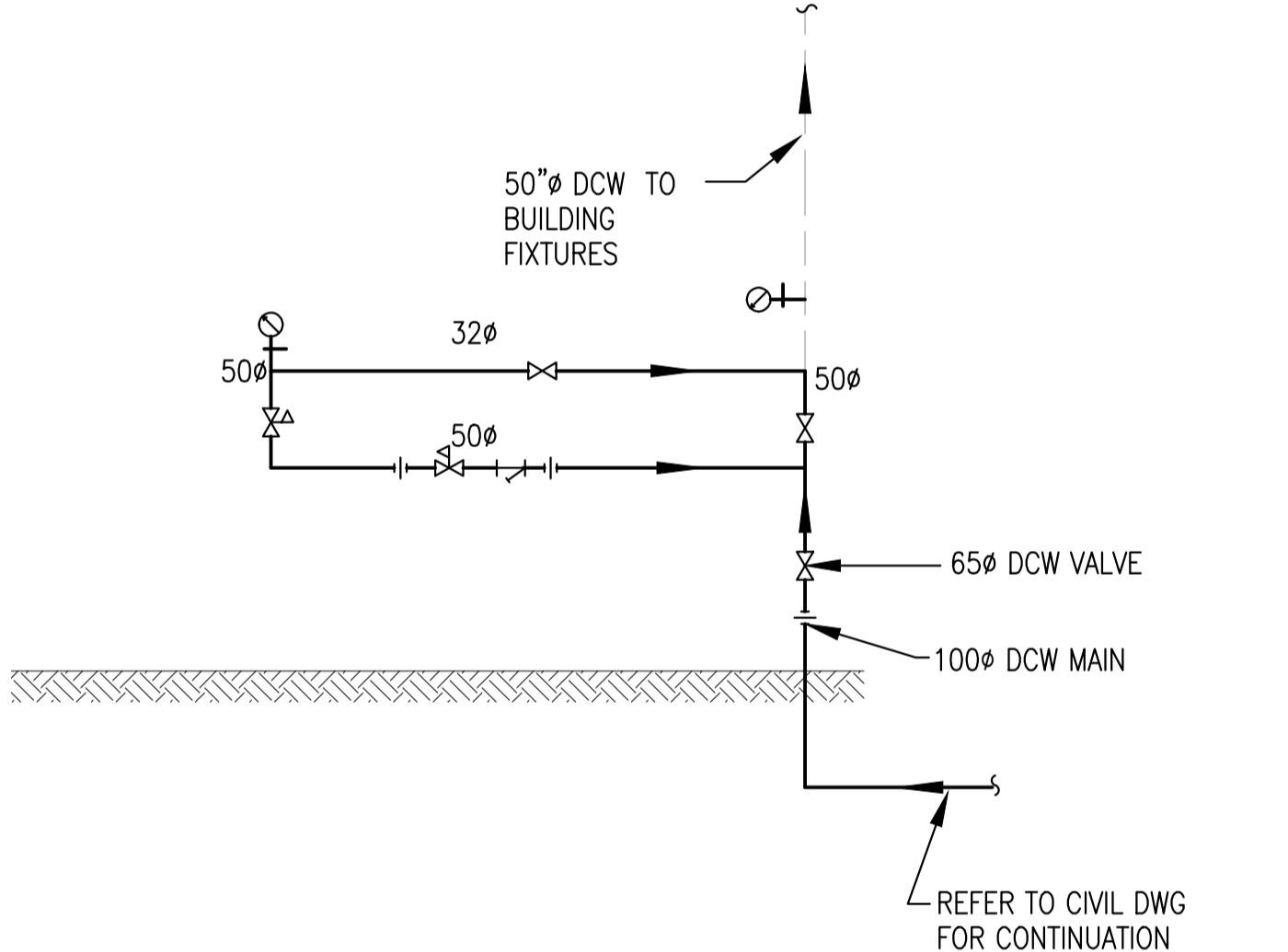
JENSEN CENTRE - VALVE ROOM NEW PLAN SCALE 1:50



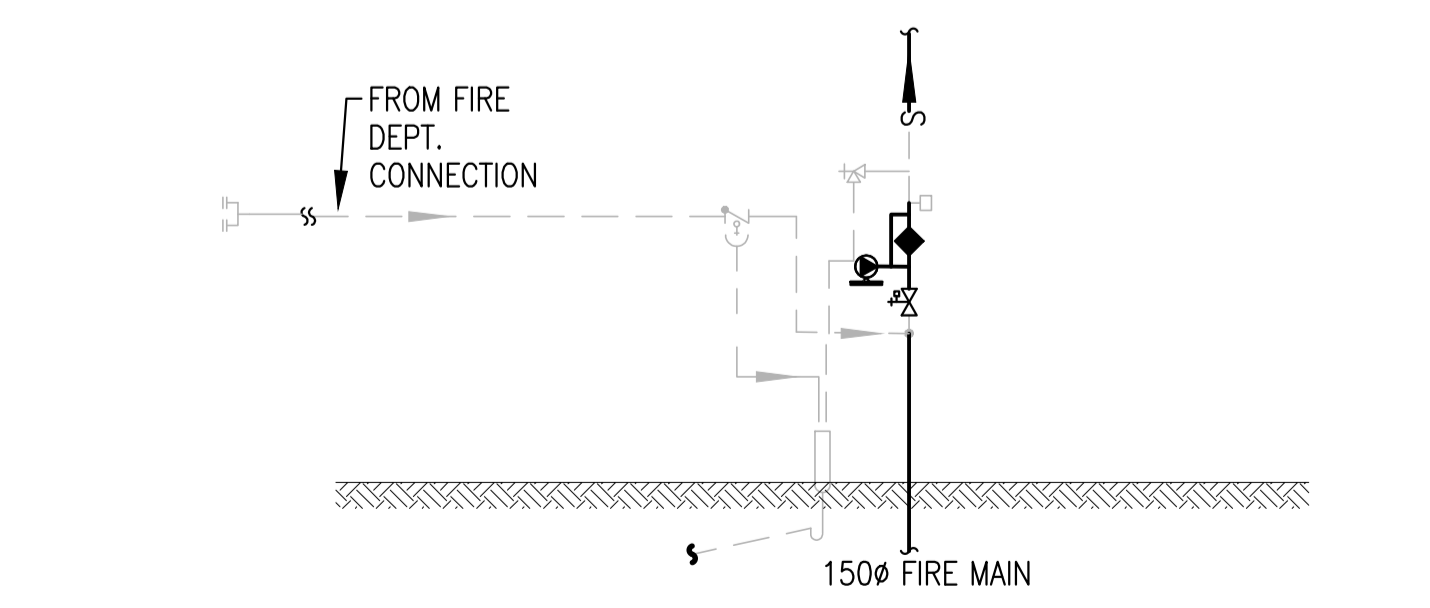
BUILDING LU5- DCW VALVE ROOM - NEW SCHEMATIC SCALE: NTS



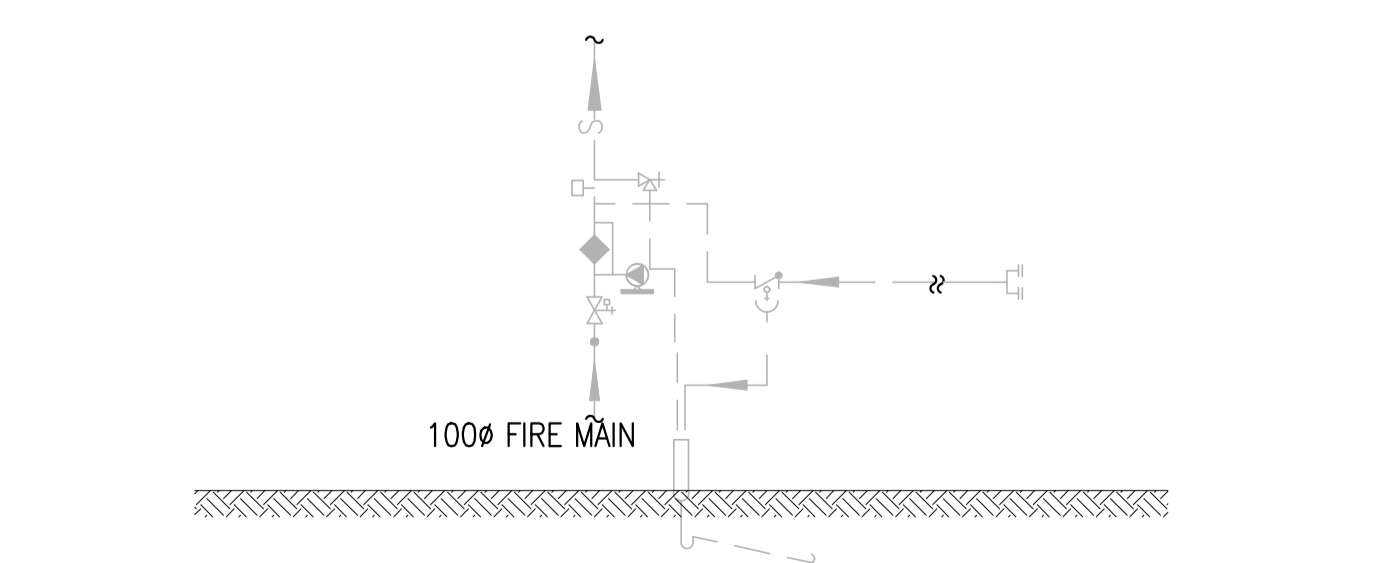
SEGREGATION UNIT - VDCW VALVE ROOM - NEW SCHEMATIC SCALE: NTS



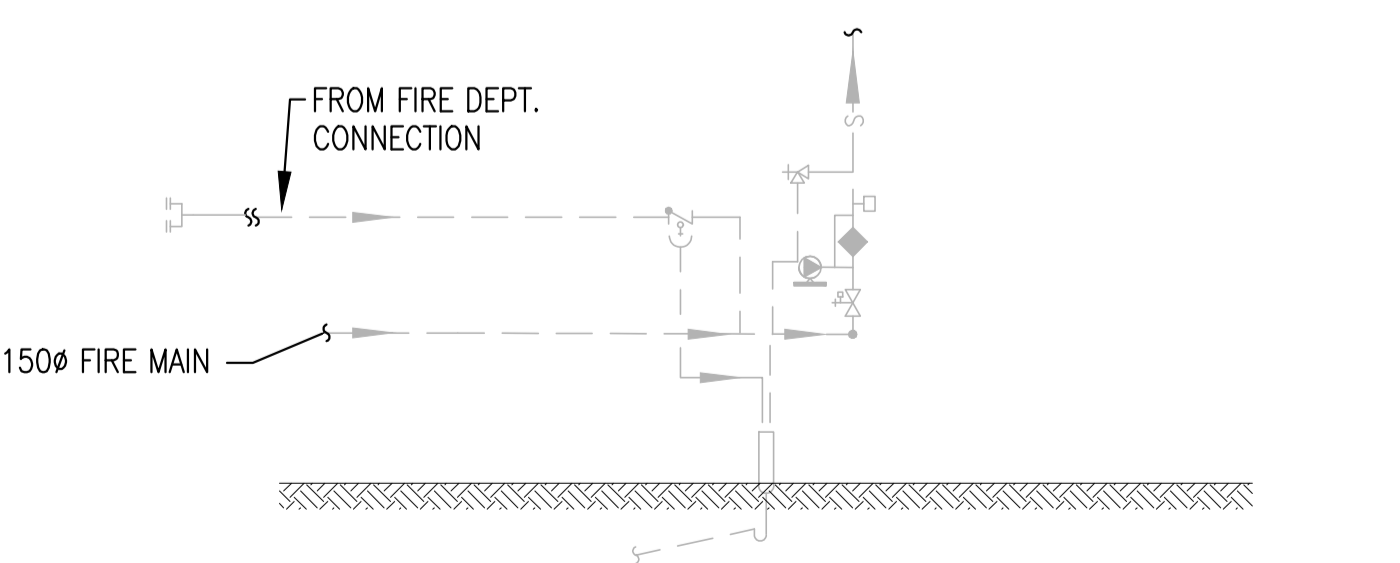
JENSEN CENTRE-DCW VALVE ROOM - NEW SCHEMATIC SCALE: NTS



BUILDING LU5 - FIRE PROTECTION (FP) VALVE ROOM - NEW SCHEMATIC SCALE: NTS



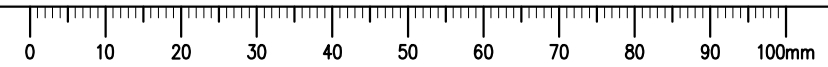
BUILDING SEGREGATION - FIRE PROTECTION (FP) VALVE ROOM - NEW SCHEMATIC SCALE: NTS



BUILDING JENSEN CENTRE - FIRE PROTECTION (FP) VALVE ROOM - NEW SCHEMATIC SCALE: NTS

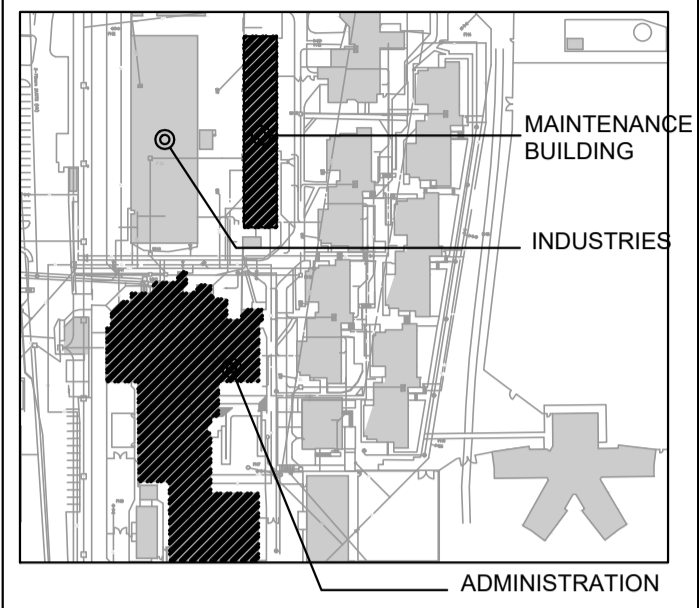
LEGENDS:

□	NEW FLOW SWITCH
◆	NEW ALARM CHECK VALVE
⊙	NEW EXCESS PRESSURE PUMP
⊗	NEW GATE VALVE
⊕	EXISTING SIAMESE CONNECTION
□	EXISTING FLOW SWITCH
⊕	EXISTING DRAIN VALVE





KEY PLAN



Engineers & Geoscientists BC Permit #1000200



GENERAL NOTES:

1. REFER TO PHASING PLAN DRAWING NUMBER-M0-02

Revision/Revision	Description/Description	Date/Date
7	Re-issued for Tender	23/11/2021
6	Issued for Tender	21/05/2021
5	Issued for Tender Review	08/03/2021
4	Issued for 100% review	05/12/2018
3	Issued for 99% review	31/08/2018
2	Issued for 66% review	21/06/2014
1	Issued for 66% review	30/05/2014
0	Issued for 33% review	14/05/2014

CORRECTIONAL SERVICES OF CANADA

MISSION, B.C.  
8751 STAVE LAKE ST.

Project title/Titre du projet  
MISSION, B.C.  
8751 STAVE LAKE ST.

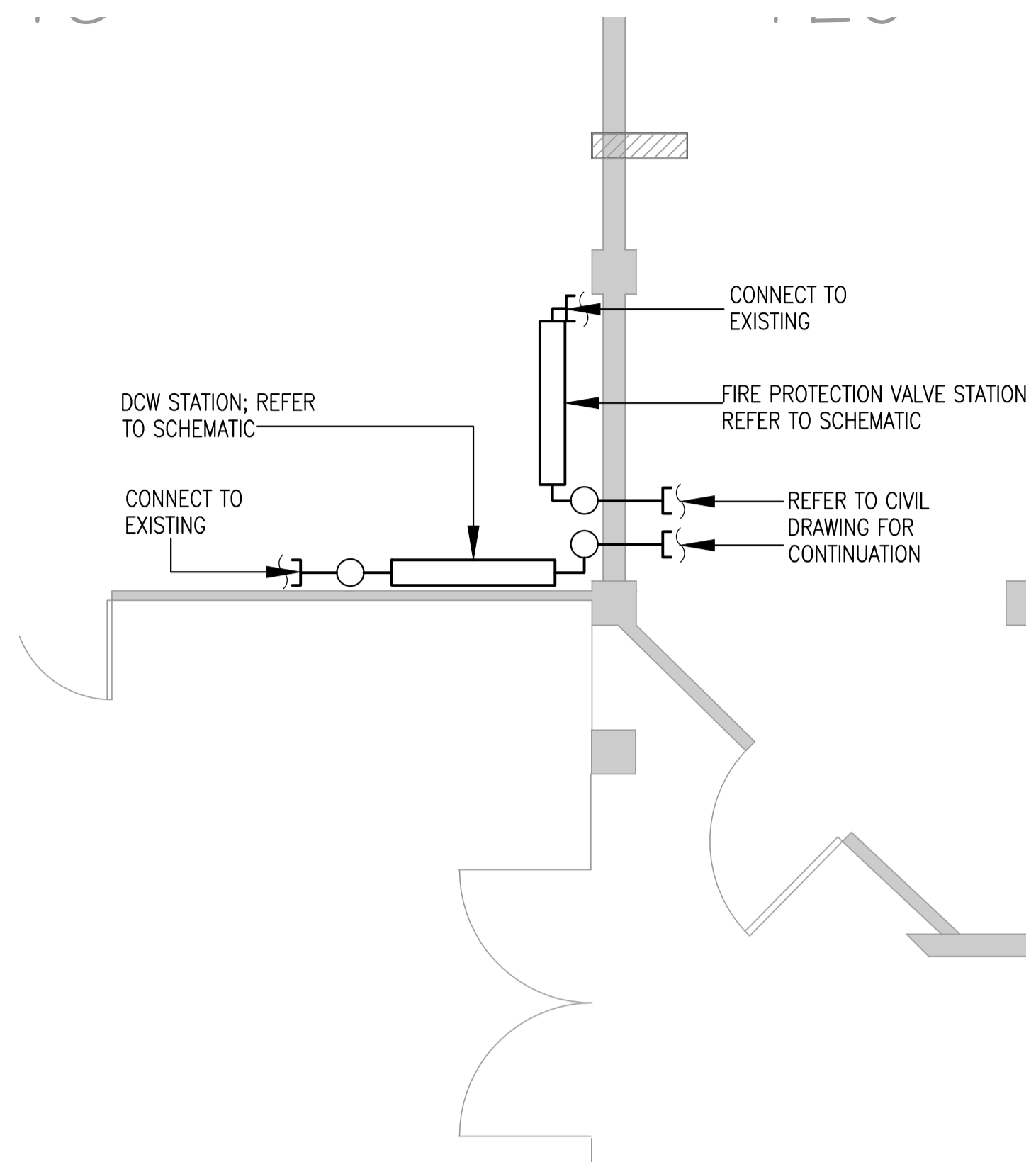
MISSION MEDIUM INSTITUTION WATERMAIN REPLACEMENT DCW & SPRINKLER VALVE REPLACEMENT

Consultant Signature Only

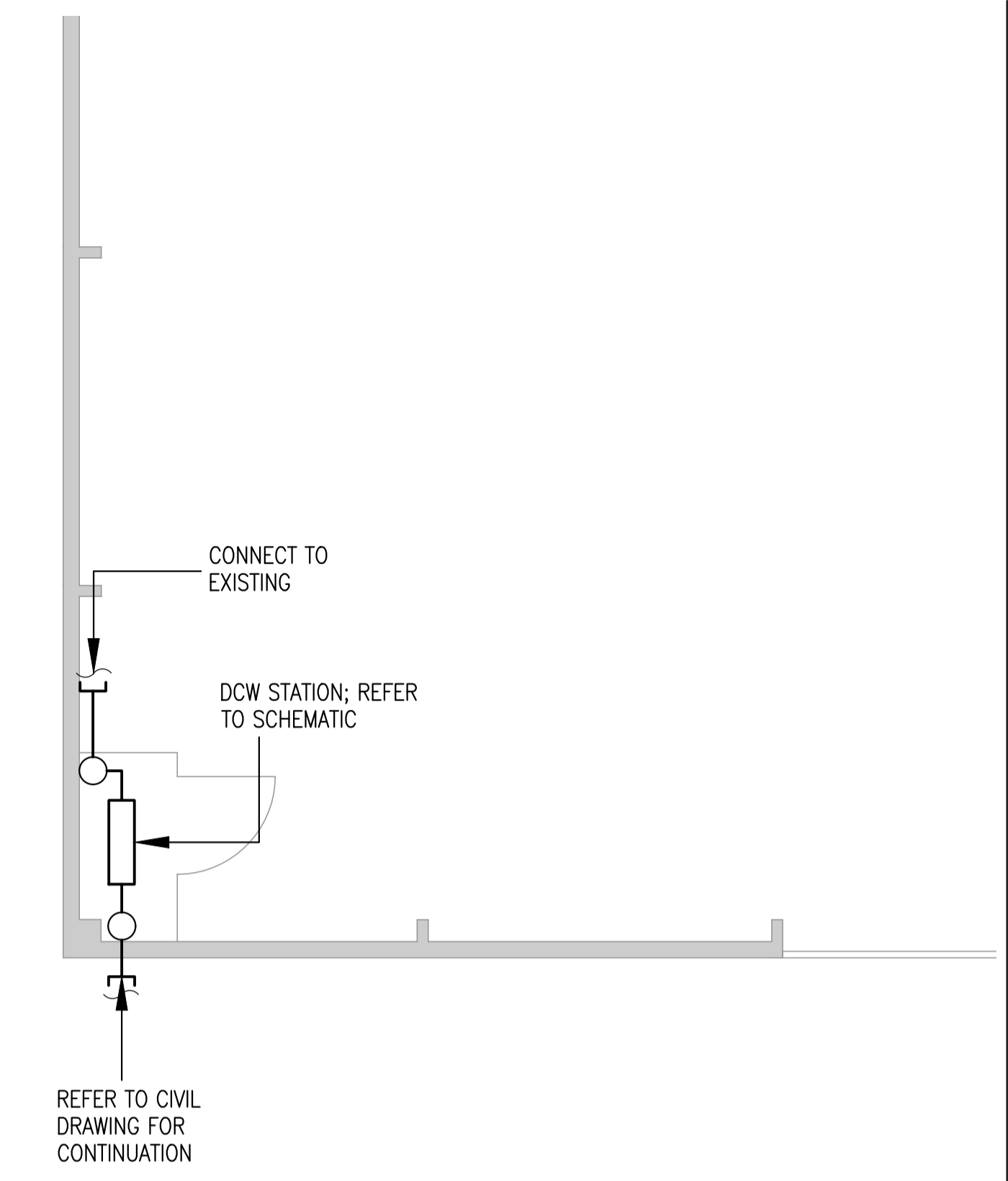
Designed by/Concept par NK  
Drawn by/Dessiné par MD  
PWGSC Project Manager/Administrateur de Projets TPSSC TONY TANG  
Regional Manager, Architectural and Engineering Services / Gestionnaire régionale, Services d'architectural et de génie, TPSSC

VALVE ROOMS-NEW PLAN ADMINISTRATION BUILDING, INDUSTRIES AND MAINTENANCE DCW AND FP

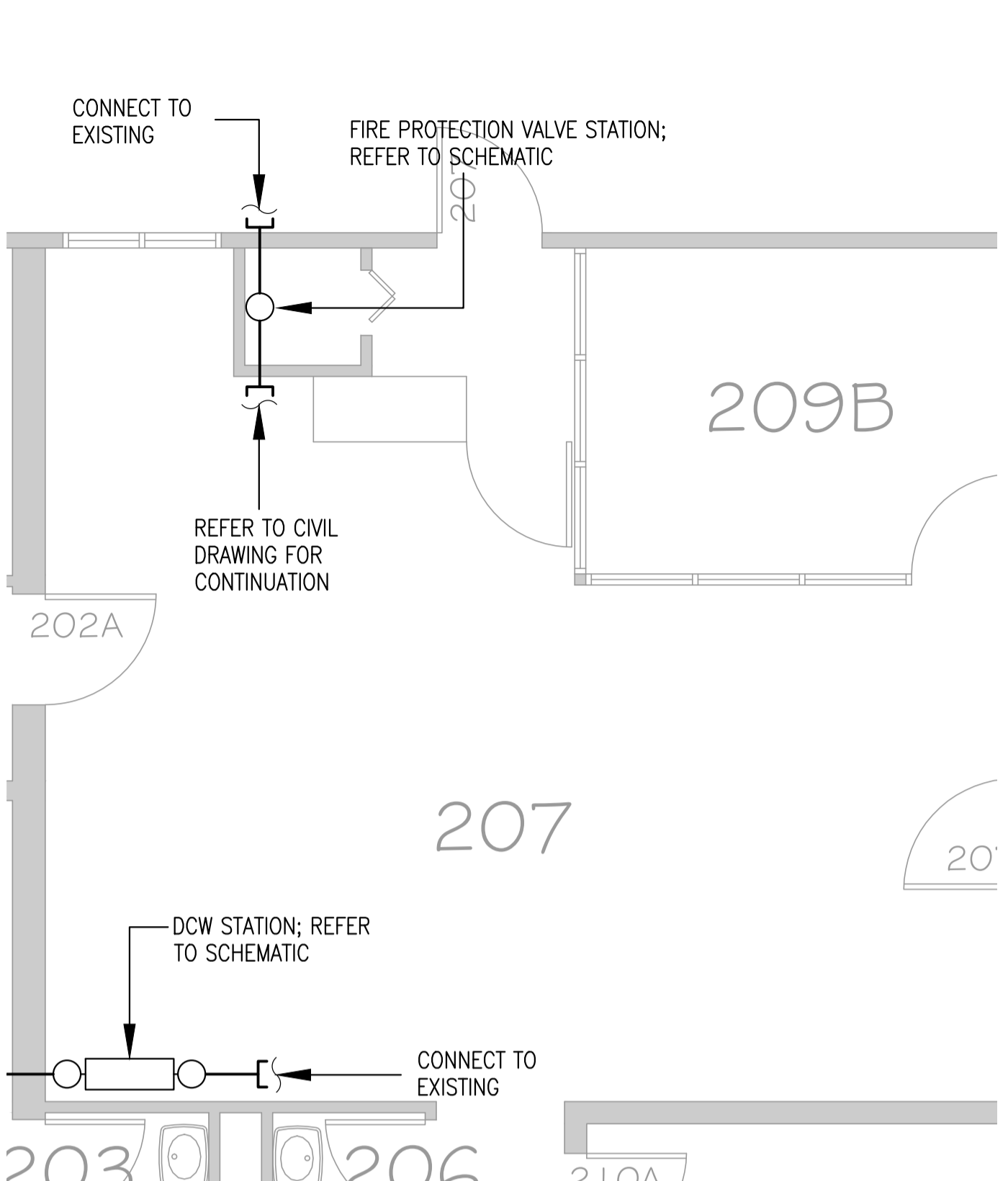
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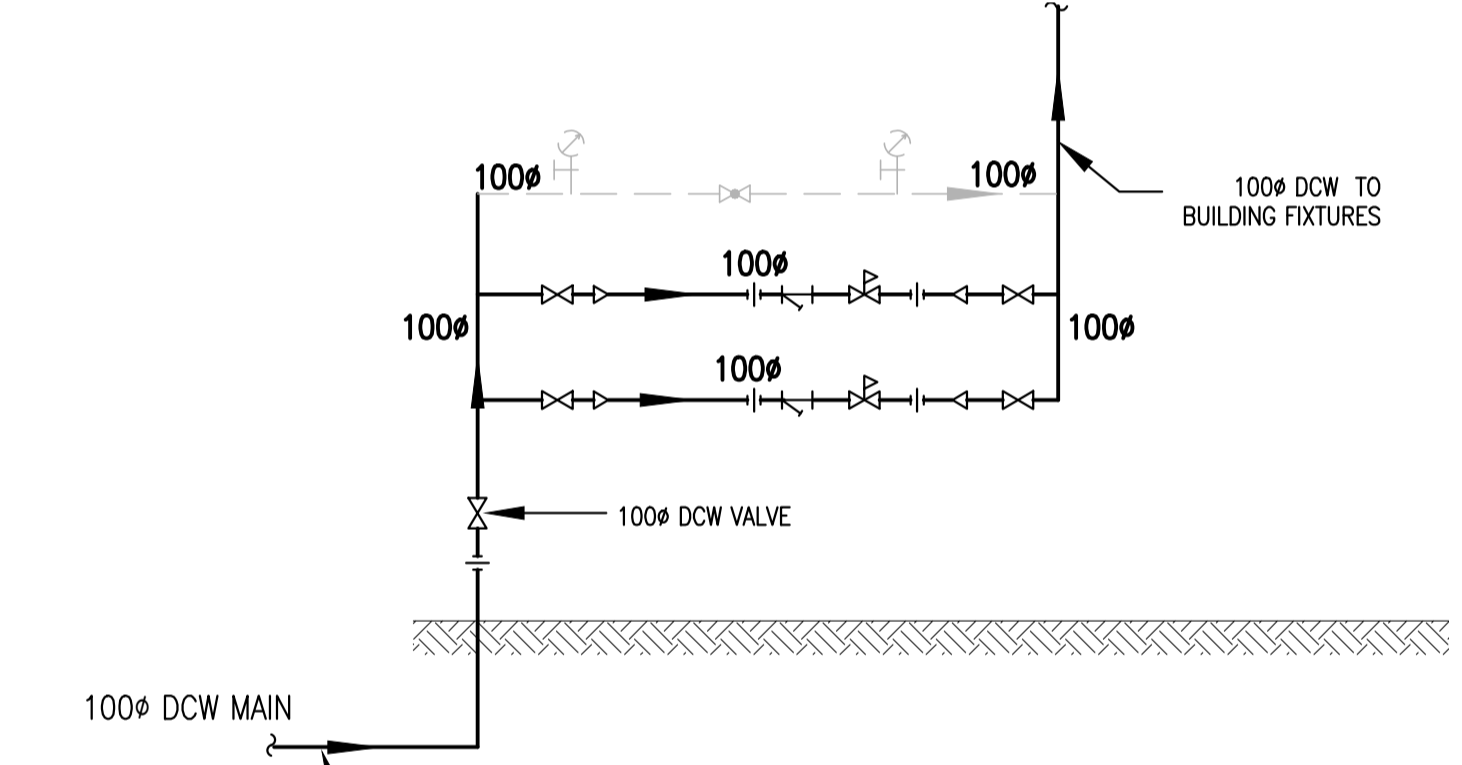
ADMIN BUILDING - VALVE ROOM NEW PLAN  
SCALE 1:50



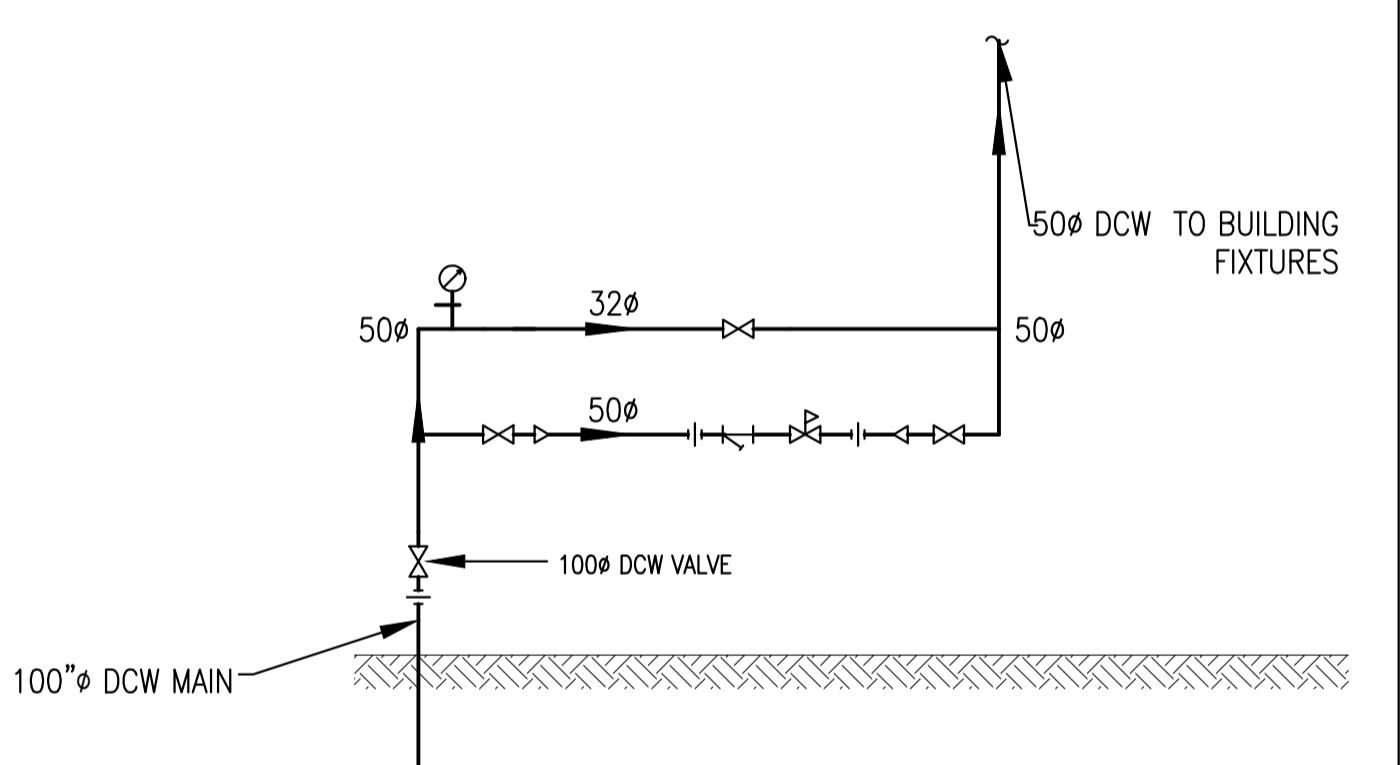
INDUSTRIES - VALVE ROOM NEW PLAN  
SCALE 1:50



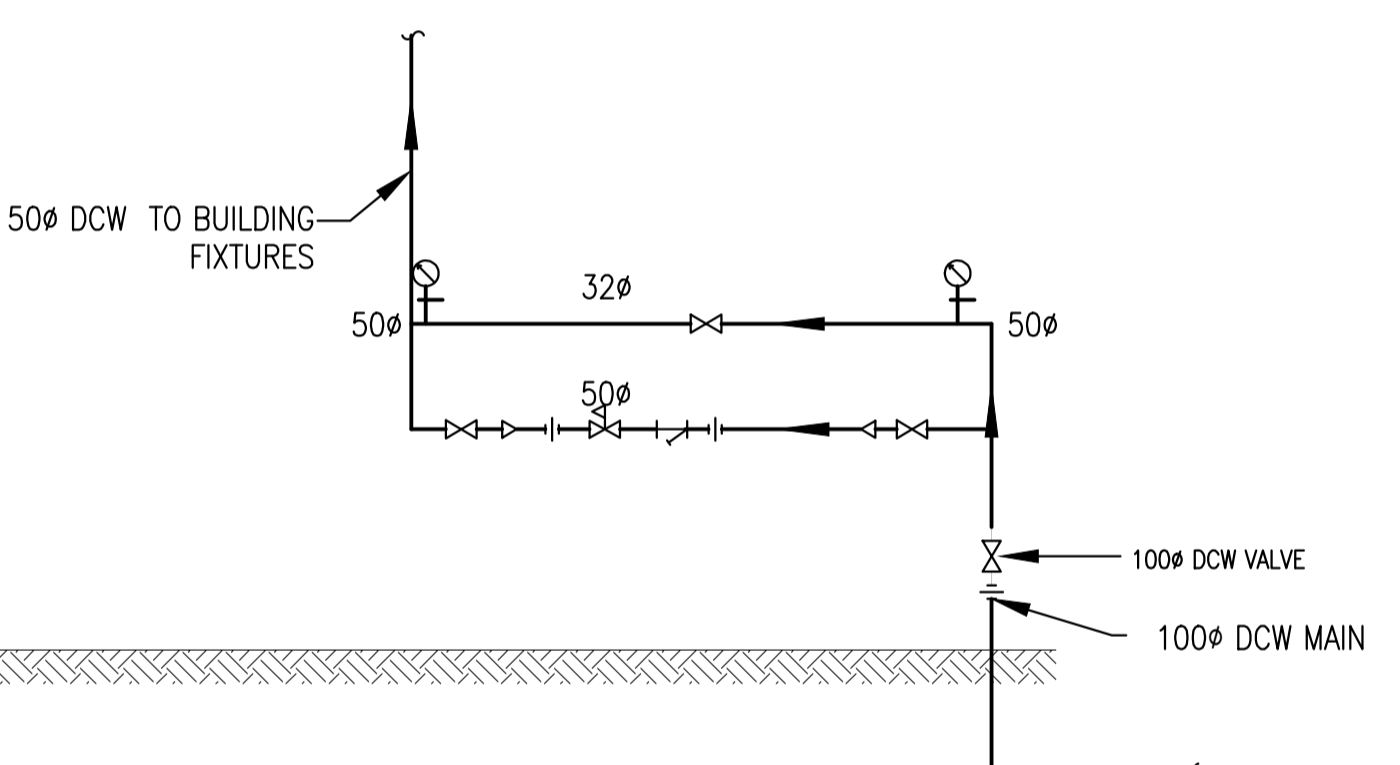
MAINTENANCE BUILDING - VALVE ROOM NEW PLAN  
SCALE 1:50



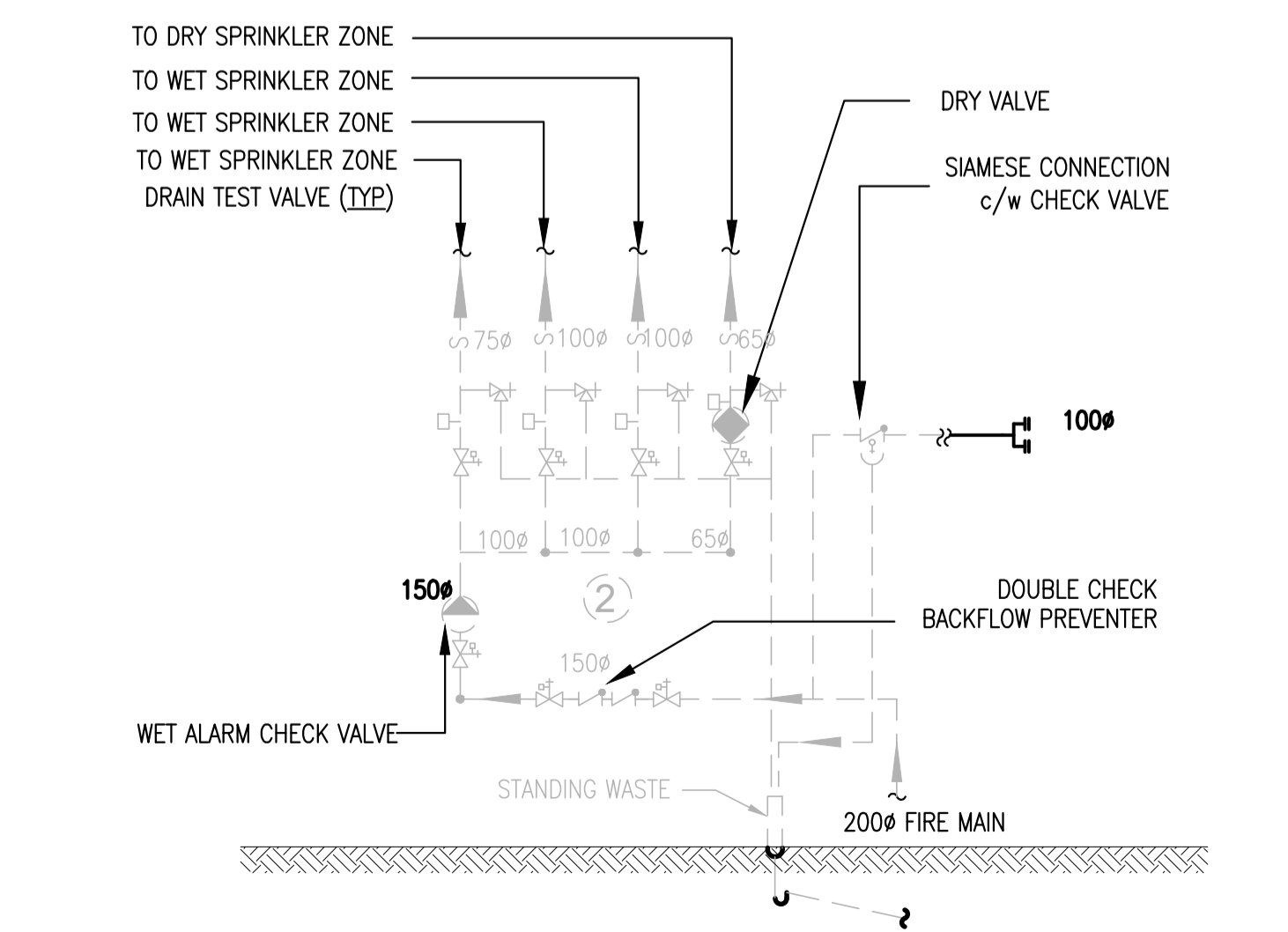
ADMIN BUILDING - DCW VALVE ROOM - NEW SCHEMATIC  
SCALE: NTS



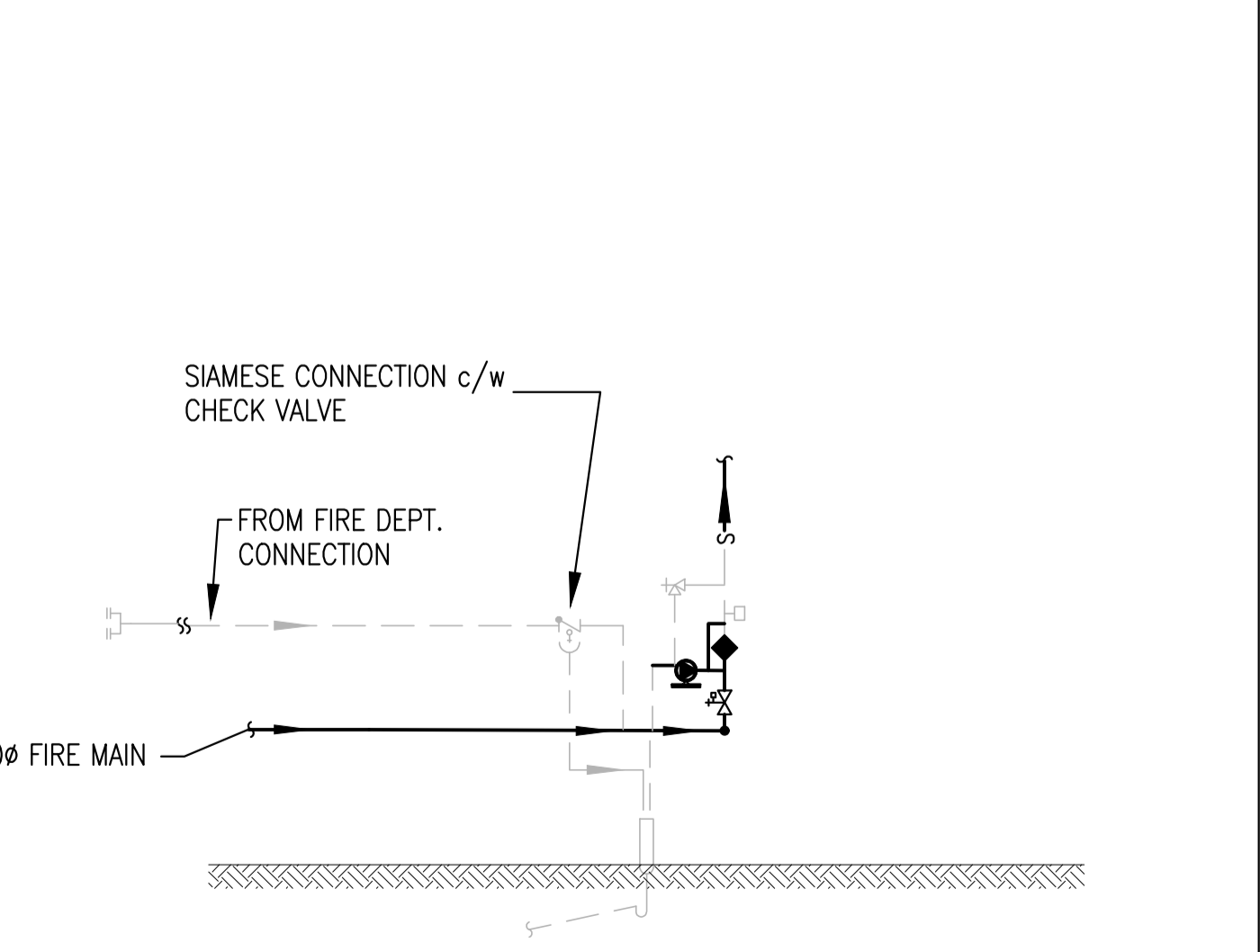
INDUSTRIES - DCW VALVE ROOM - NEW SCHEMATIC  
SCALE: NTS



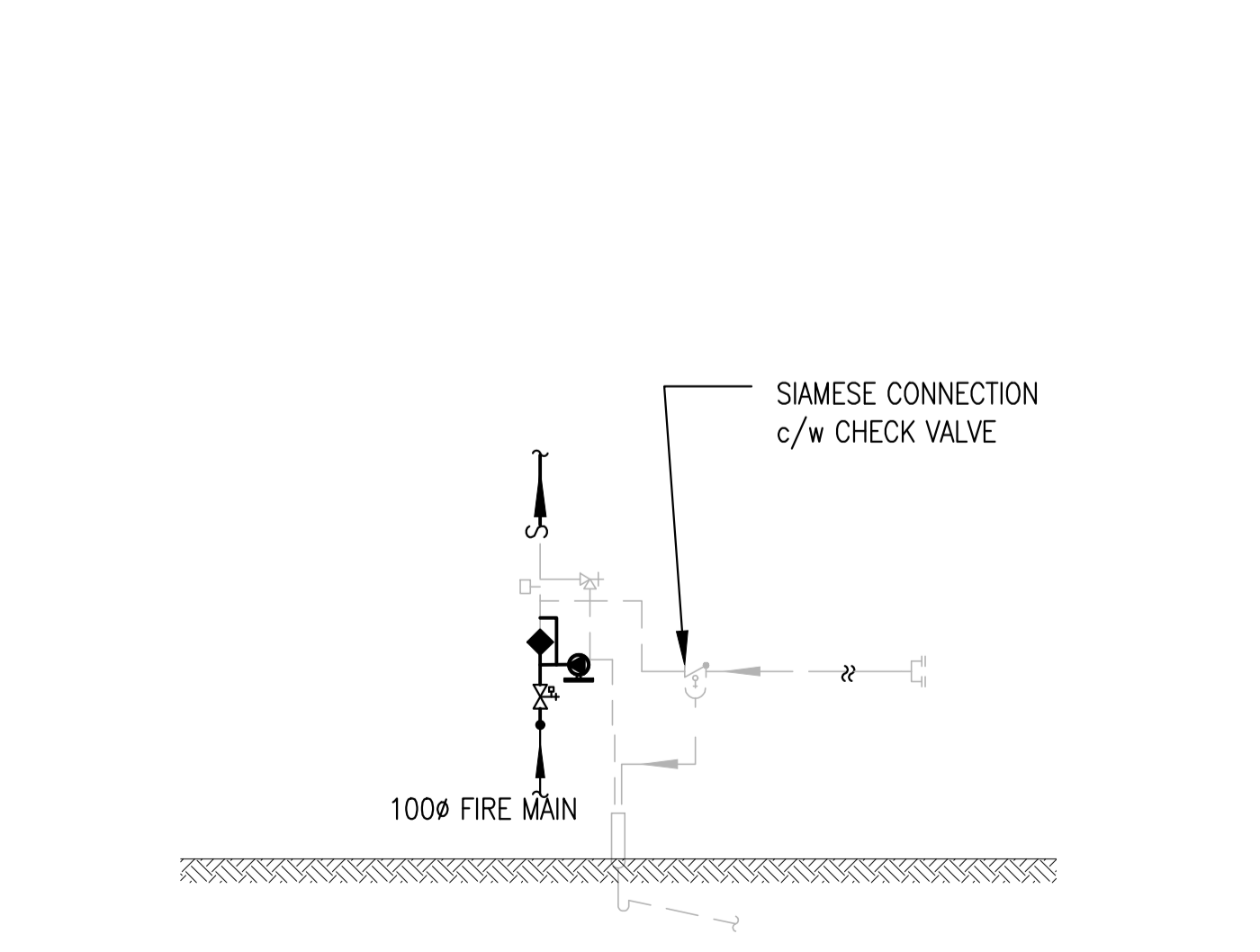
MAINTENANCE BUILDING - DCW VALVE ROOM - NEW SCHEMATIC  
SCALE: NTS



ADMIN BUILDING - FIRE PROTECTION (FP) VALVE ROOM - NEW SCHEMATIC  
SCALE: NTS



INDUSTRIES - FIRE PROTECTION (FP) VALVE ROOM - NEW SCHEMATIC  
SCALE: NTS



MAINTENANCE BUILDING - FIRE PROTECTION (FP) VALVE ROOM - NEW SCHEMATIC  
SCALE: NTS

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