



PRELIMINARY
NOT FOR CONSTRUCTION

CORRECTIONAL SERVICE CANADA REGIONAL PSYCHIATRIC CENTRE SASKATOON, SK.

CRAWL SPACE PLUMBING ASSESSMENT & REPAIR R.100531.001

DRAWING INDEX

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2	ISSUED FOR TENDER	2019-06-18
1	99% DRAWING SUBMISSION	2019-05-09
0	50% DRAWING SUBMISSION	2019-03-29

Revision	Description	Date
Client		client

PUBLIC WORKS &
GOVERNMENT SERVICES

10025 JASPER AVENUE
ATB PLACE NORTH TOWER, 5TH FLOOR

Project	Projet
CORRECTIONAL SERVICE CANADA REGIONAL PSYCHIATRIC CENTRE SASKATOON, SK	
CRAWL SPACE PLUMBING ASSESSMENT & REPAIR, SASKATOON, SK	

Designed by	Conçu par
DMT	

Drawn by	Dessiné par
JF	

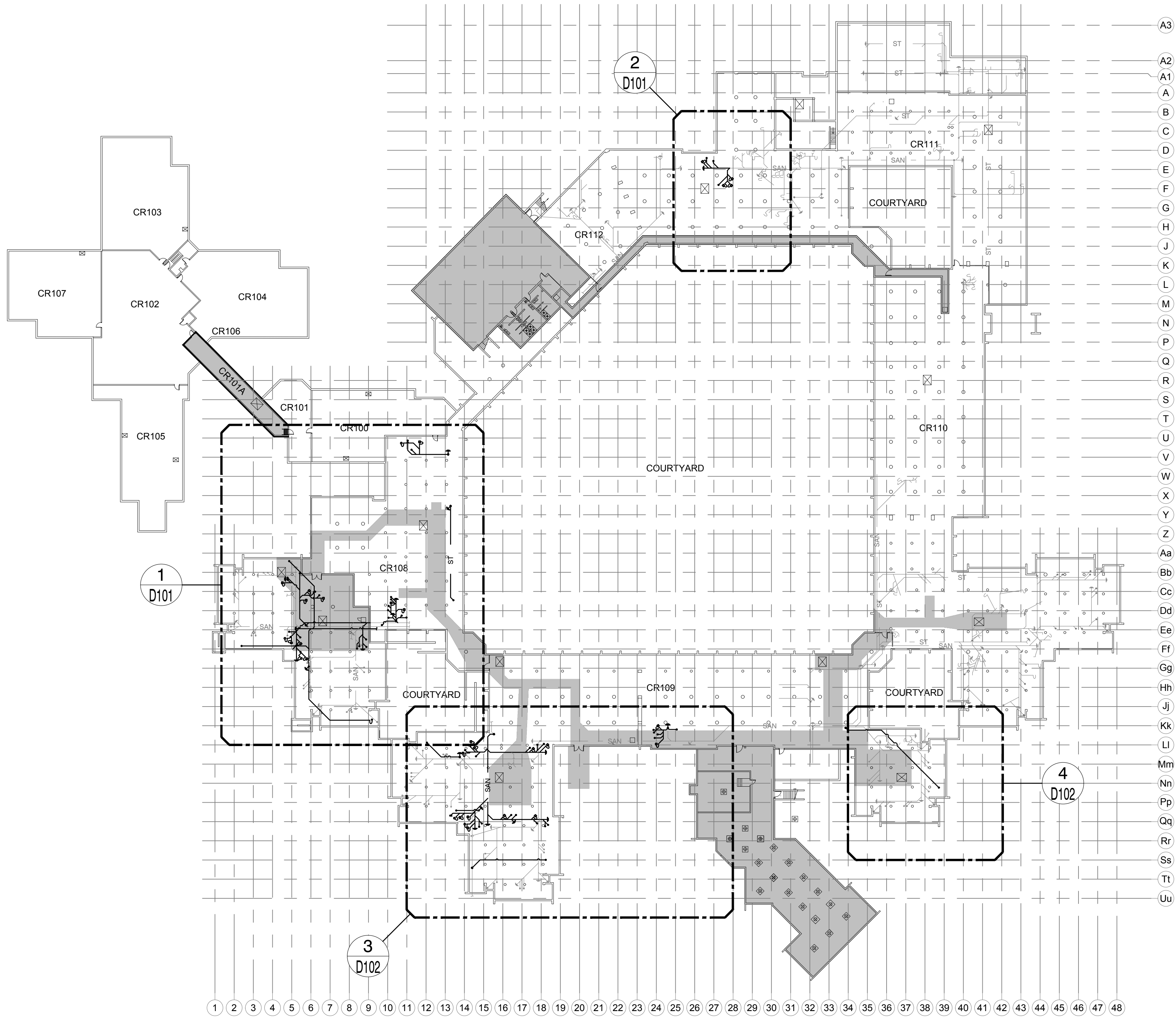
Approved by	Approuvé par
RLG	

PWGSC Project Manager	Administrateur de Projets TPSGC
SHAUN HUGHES	

Drawing title	Titre du dessin
INDEX . .	

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.100531.001	0 OF 9	0

ISSUED FOR TENDER

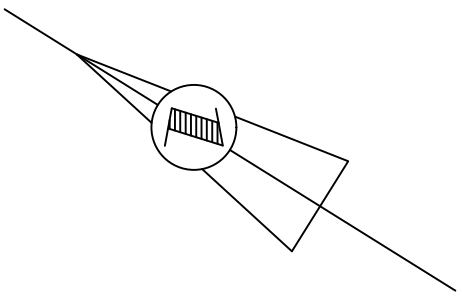


1 PIPING DEMOLITION PLAN - OVERALL
D100 SCALE: 1:500

LEGEND		
ITEM	SYMBOL	REMARKS
SANITARY SEWER CLEANOUT		EXISTING, TO REMAIN
SANITARY SEWER VENT LINE CAP		
FLOOR DRAIN		
DOMESTIC SANITARY SEWER LINE, UNDERGROUND		
DOMESTIC SANITARY SEWER LINE, ABOVE GROUND		EXISTING, TO BE REMOVED AND DISPOSED OF
STORM SEWER LINE MAIN, UNDERGROUND		
STORM SEWER LINE MAIN, ABOVE GROUND		
PIPING STACK		
SANITARY SEWER CLEANOUT		
SANITARY SEWER VENT LINE CAP		
FLOOR DRAIN		EXISTING, TO BE REMOVED AND DISPOSED OF
P-TRAP		
DOMESTIC SANITARY SEWER LINE, UNDERGROUND		
DOMESTIC SANITARY SEWER LINE, ABOVE GROUND		
STORM SEWER LINE MAIN, UNDERGROUND		EXISTING, TO BE REMOVED AND DISPOSED OF
STORM SEWER LINE MAIN, ABOVE GROUND		
PIPING STACK - ELBOW UP		EXISTING, TO BE REMOVED AND DISPOSED OF
PIPING STACK - ELBOW DOWN		
PIPING - ANNOTATION PIPE SIZE (Ømm DIAMETER)		EXISTING, TO BE REMOVED AND DISPOSED OF
CRAWLSPACE WALKWAY		

FIXTURE LEGEND	
ITEM	SYMBOL
FLOOR DRAIN	
LAVATORY	
WATER CLOSET	
SHOWER	
SINK	
DRINKING FOUNTAIN	
BATH TUB	
WASHING MACHINE	
RAINWATER LEADER	

ROOM LEGEND	
ROOM NUMBER	ROOM NAME
CR100	CRAWL SPACE
CR101	CRAWL SPACE
CR101A	CRAWL SPACE
CR102	CRAWL SPACE
CR103	CRAWL SPACE
CR104	CRAWL SPACE
CR105	CRAWL SPACE
CR106	CRAWL SPACE
CR107	CRAWL SPACE
CR108	CRAWL SPACE
CR109	CRAWL SPACE
CR110	CRAWL SPACE
CR111	CRAWL SPACE
CR112	CRAWL SPACE



5		
4		
3		
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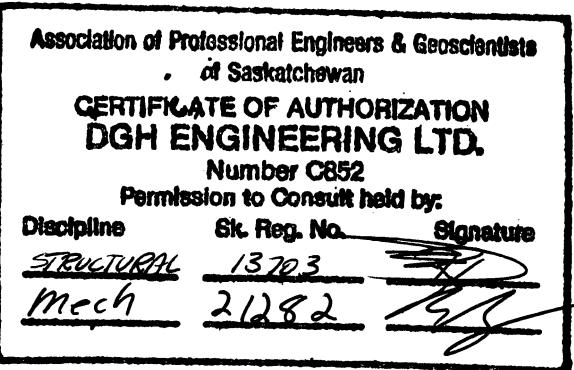
PUBLIC WORKS & GOVERNMENT SERVICES

10025 JASPER AVENUE
ATB PLACE NORTH TOWER, 5TH FLOOR

Project
CORRECTIONAL SERVICE CANADA
REGIONAL PSYCHIATRIC CENTRE
SASKATOON, SK

CRAWL SPACE PLUMBING
ASSESSMENT & REPAIR,
SASKATOON, SK

Designed by DMT	Conçu par
Drawn by KKM	Dessiné par
Approved by RLG	Approuvé par
PWGSC Project Manager SHAUN HUGHES	Administrateur de Projets TPSGC
Drawing title OVERALL PIPING DEMOLITION PLAN	Titre du dessin



Project no./No. du projet R.100531.001	Drawing no./No. du dessin D100 OF 9	Revision no. R00
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**CLEARWATER
PIPING DEMOLITION PLAN - PARTIAL**

1
D101
SCALE: 1:100
SHEET REF: D100

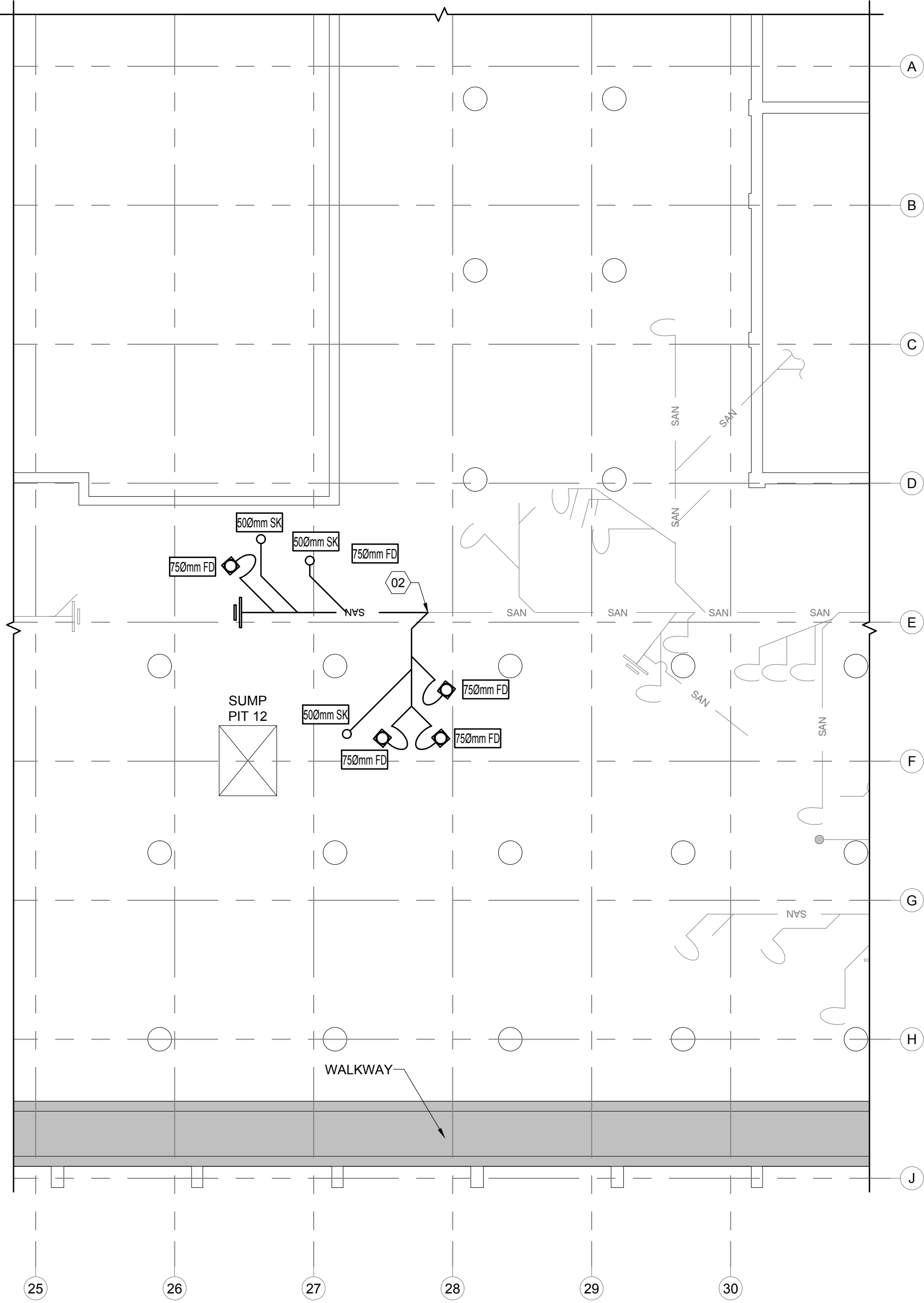
GENERAL DEMOLITION NOTES:

1. REMOVE AND DISPOSE OF EXISTING SANITARY AND STORM SEWER PIPING AS SHOWN IN BOLD.
2. REMOVE PIPING UP TO WHERE IT STUBS INTO CRAWLSPACE FROM FIXTURE, LEAVING ENOUGH PIPE TO ATTACH A FITTING (TO TYPICAL).
3. ALL LOCATIONS OF PIPING ARE APPROXIMATE, CONTRACTOR TO CONFIRM BEFORE DEMOLITION.
4. REMOVE AND DISPOSE OF DAMAGED OR UNNECESSARY HANGERS AND THREADED RODS. FILL ANY HOLES WITH NON-SHRINK, NON-METALLIC GROUT.

LEGEND		
ITEM	SYMBOL	REMARKS
SANITARY SEWER CLEANOUT		EXISTING, TO REMAIN
SANITARY SEWER VENT LINE CAP		
FLOOR DRAIN		
DOMESTIC SANITARY SEWER LINE, UNDERGROUND		
DOMESTIC SANITARY SEWER LINE, ABOVE GROUND		
STORM SEWER LINE MAIN, UNDERGROUND		EXISTING, TO BE REMOVED AND DISPOSED OF
STORM SEWER LINE MAIN, ABOVE GROUND		
PIPING STACK		
SANITARY SEWER CLEANOUT		
SANITARY SEWER VENT LINE CAP		
FLOOR DRAIN		EXISTING, TO BE REMOVED AND DISPOSED OF
P-TRAP		
DOMESTIC SANITARY SEWER LINE, UNDERGROUND		
DOMESTIC SANITARY SEWER LINE, ABOVE GROUND		
STORM SEWER LINE MAIN, UNDERGROUND		
STORM SEWER LINE MAIN, ABOVE GROUND		
PIPING STACK - ELBOW UP		EXISTING, TO BE REMOVED AND DISPOSED OF
PIPING STACK - ELBOW DOWN		
PIPING - ANNOTATION PIPE SIZE (00mm DIAMETER)		
CRAWLSPACE WALKWAY		

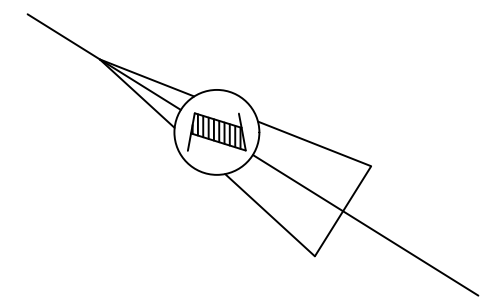
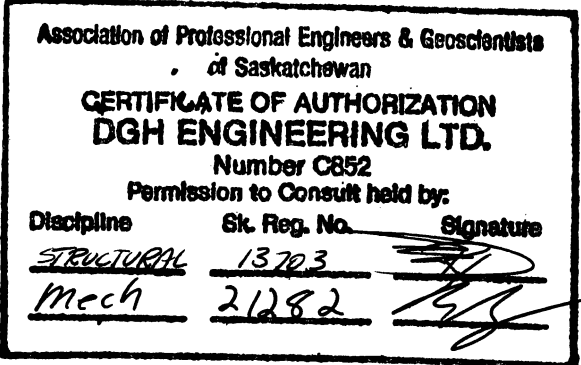
FIXTURE LEGEND	
ITEM	SYMBOL
FLOOR DRAIN	
LAVATORY	
WATER CLOSET	
SHOWER	
SINK	
DRINKING FOUNTAIN	
BATH TUB	
WASHING MACHINE	
RAINWATER LEADER	

DEMO KEY NOTES	
TAG	DESCRIPTION
01	REMOVE PIPING, INCLUDING THE FITTINGS, UP TO THE CLEANOUT BEFORE STACK GOES UNDERGROUND.
02	REMOVE PIPING UP TO FITTINGS AT EXISTING ABOVE GROUND BRANCH, KEEPING EXISTING CAST IRON FITTINGS.
03	REMOVE EXISTING 100mm PIPING UP TO WALL IN CRAWLSPACE. ENSURE ENOUGH PIPE REMAINS TO TIE NEW SANITARY PIPE INTO.



**KITCHEN
PIPING DEMOLITION PLAN - PARTIAL**

2
D101
SCALE: 1:100
SHEET REF: D100



5		
4		
3		
2	ISSUED FOR TENDER	2019-06-18
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Client client

**PUBLIC WORKS &
GOVERNMENT SERVICES**

10025 JASPER AVENUE
ATB PLACE NORTH TOWER, 5TH FLOOR

Project
CORRECTIONAL SERVICE CANADA
REGIONAL PSYCHIATRIC CENTRE
SASKATOON, SK

**CRAWL SPACE PLUMBING
ASSESSMENT & REPAIR,
SASKATOON, SK**

Designed by DMT Conçu par

Drawn by KKM Dessiné par

Approved by RLG Approuvé par

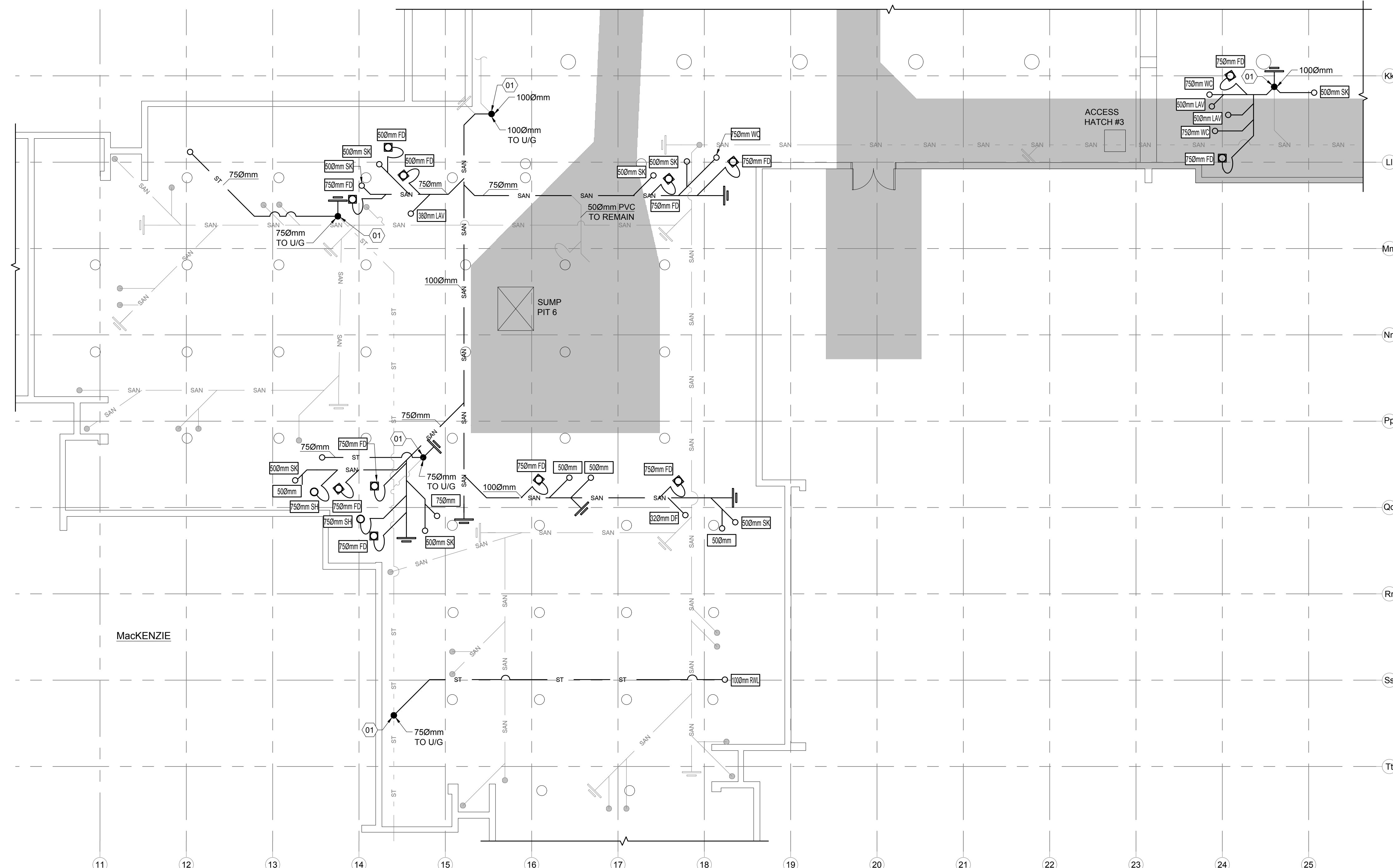
PWGSC Project Manager Administrator de Projets TPSGC
SHAUN HUGHES

Drawing title Titre du dessin

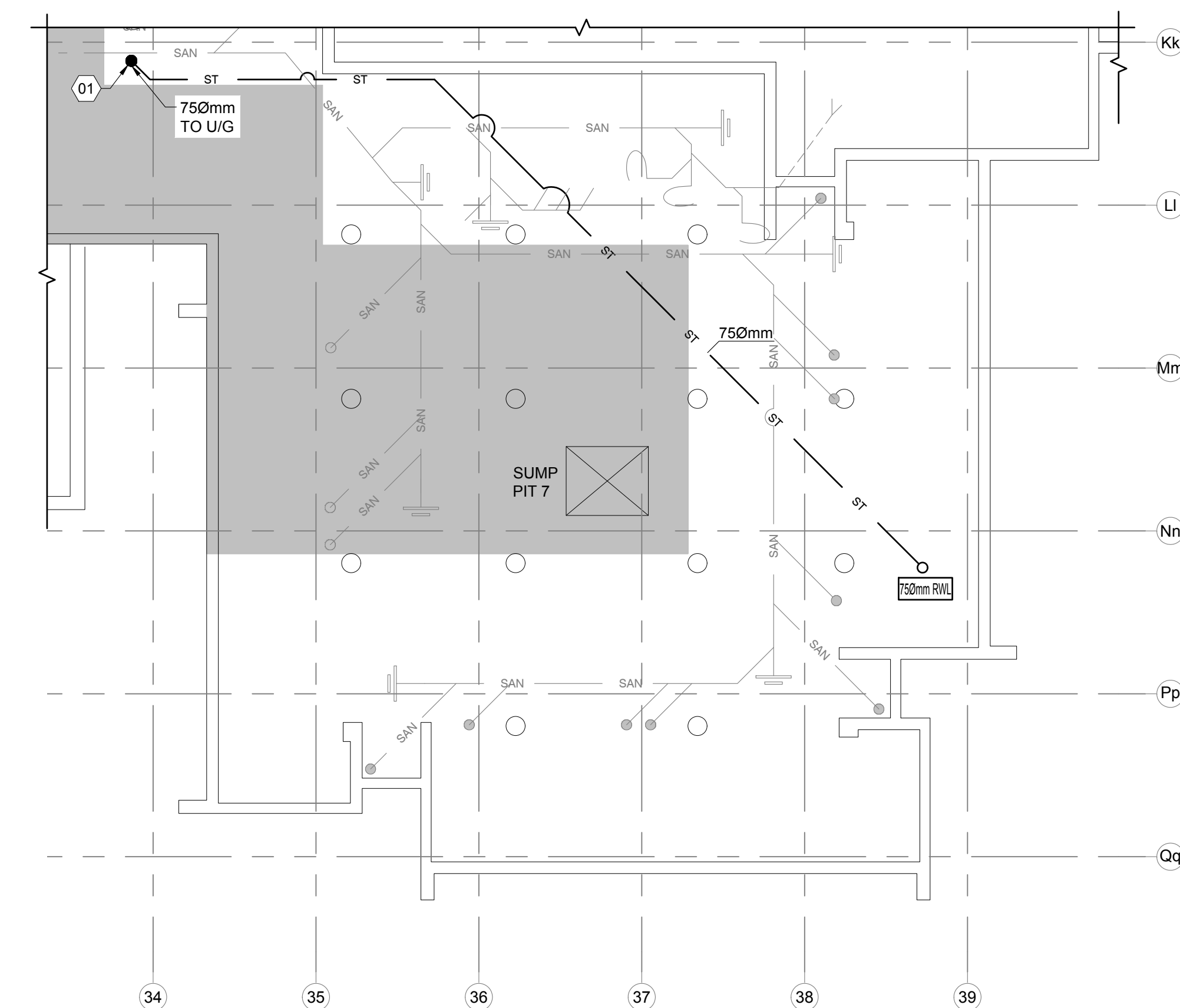
**PARTIAL PIPING
DEMOLITION PLANS**

Project no./No. du projet Drawing no./No. du dessin Revision no.

R.100531.001 D101 OF 9 R00



3
D102
MACKENZIE
PIPING DEMOLITION PLAN - PARTIAL
SCALE: 1:100
SHEET REF. D100



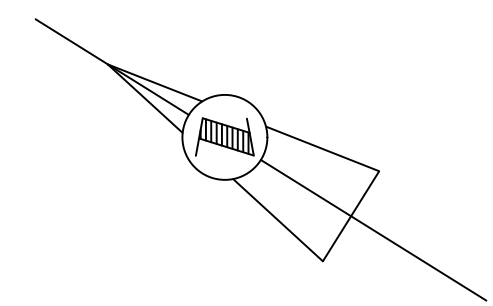
4
D102
CHURCHILL
PIPING DEMOLITION PLAN - PARTIAL
SCALE: 1:100
SHEET REF. D100

- GENERAL DEMOLITION NOTES:
1. REMOVE AND DISPOSE OF EXISTING SANITARY AND STORM SEWER PIPING AS SHOWN IN BOLD.
 2. REMOVE PIPING UP TO WHERE IT STUBS INTO CRAWLSPACE FROM FIXTURE, LEAVING ENOUGH PIPE TO ATTACH A FITTING TO (TYPICAL).
 3. ALL LOCATIONS OF PIPING ARE APPROXIMATE, CONTRACTOR TO CONFIRM BEFORE DEMOLITION.
 4. REMOVE AND DISPOSE OF DAMAGED OR UNNECESSARY HANGERS AND THREADED RODS. FILL ANY HOLES WITH NON-SHRINK, NON-METALLIC GROUT.

LEGEND		
ITEM	SYMBOL	REMARKS
SANITARY SEWER CLEANOUT		EXISTING, TO REMAIN
SANITARY SEWER VENT LINE CAP		
FLOOR DRAIN		
DOMESTIC SANITARY SEWER LINE, UNDERGROUND		
DOMESTIC SANITARY SEWER LINE, ABOVE GROUND		
STORM SEWER LINE MAIN, UNDERGROUND		EXISTING, TO BE REMOVED AND DISPOSED OF
STORM SEWER LINE MAIN, ABOVE GROUND		
PIPING STACK		
SANITARY SEWER CLEANOUT		
SANITARY SEWER VENT LINE CAP		
FLOOR DRAIN		EXISTING, TO BE REMOVED AND DISPOSED OF
P-TRAP		
DOMESTIC SANITARY SEWER LINE, UNDERGROUND		
DOMESTIC SANITARY SEWER LINE, ABOVE GROUND		
STORM SEWER LINE MAIN, UNDERGROUND		
STORM SEWER LINE MAIN, ABOVE GROUND		
PIPING STACK - ELBOW UP		
PIPING STACK - ELBOW DOWN		
PIPING - ANNOTATION PIPE SIZE (00mm DIAMETER)		
CRAWLSPACE WALKWAY		

FIXTURE LEGEND	
ITEM	SYMBOL
FLOOR DRAIN	
LAVATORY	
WATER CLOSET	
SHOWER	
SINK	
DRINKING FOUNTAIN	
BATH TUB	
WASHING MACHINE	
RAINWATER LEADER	

DEMO KEY NOTES	
TAG	DESCRIPTION
01	REMOVE PIPING, INCLUDING THE FITTINGS, UP TO THE CLEANOUT BEFORE STACK GOES UNDERGROUND.



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4		
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2	ISSUED FOR TENDER	2019-06-18
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PUBLIC WORKS & GOVERNMENT SERVICES

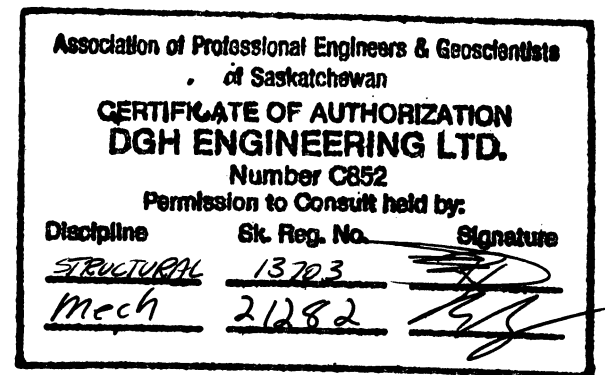
10025 JASPER AVENUE
ATB PLACE NORTH TOWER, 5TH FLOOR

Project Projet
CORRECTIONAL SERVICE CANADA
REGIONAL PSYCHIATRIC CENTRE
SASKATOON, SK

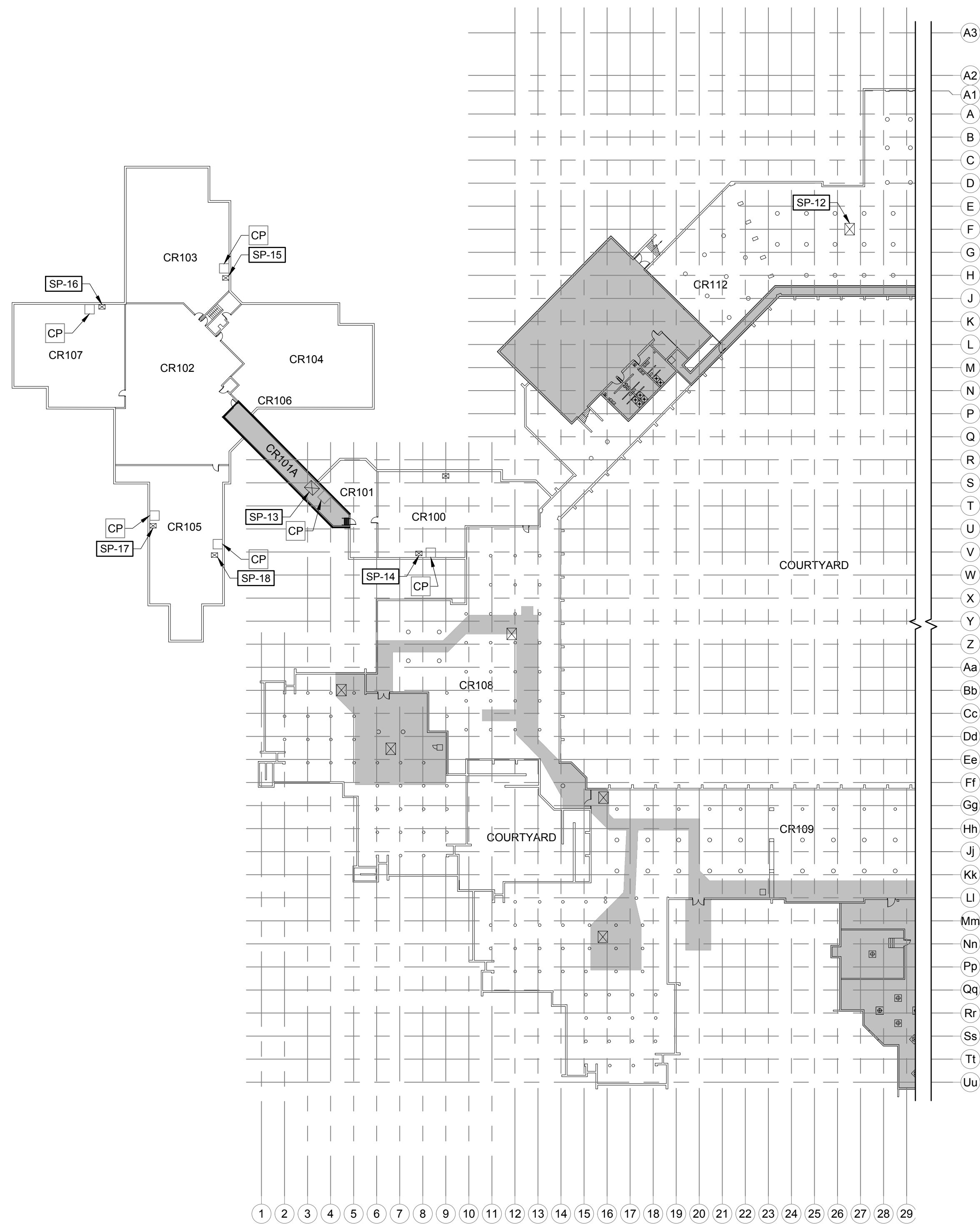
CRAWL SPACE PLUMBING
ASSESSMENT & REPAIR,
SASKATOON, SK

Designed by DMT	Conçu par
Drawn by KKM	Dessiné par
Approved by RLG	Approuvé par
PWGSC Project Manager SHAUN HUGHES	Administrateur de Projets TPSGC
Drawing title	Titre du dessin

PARTIAL PIPING
DEMOLITION PLANS

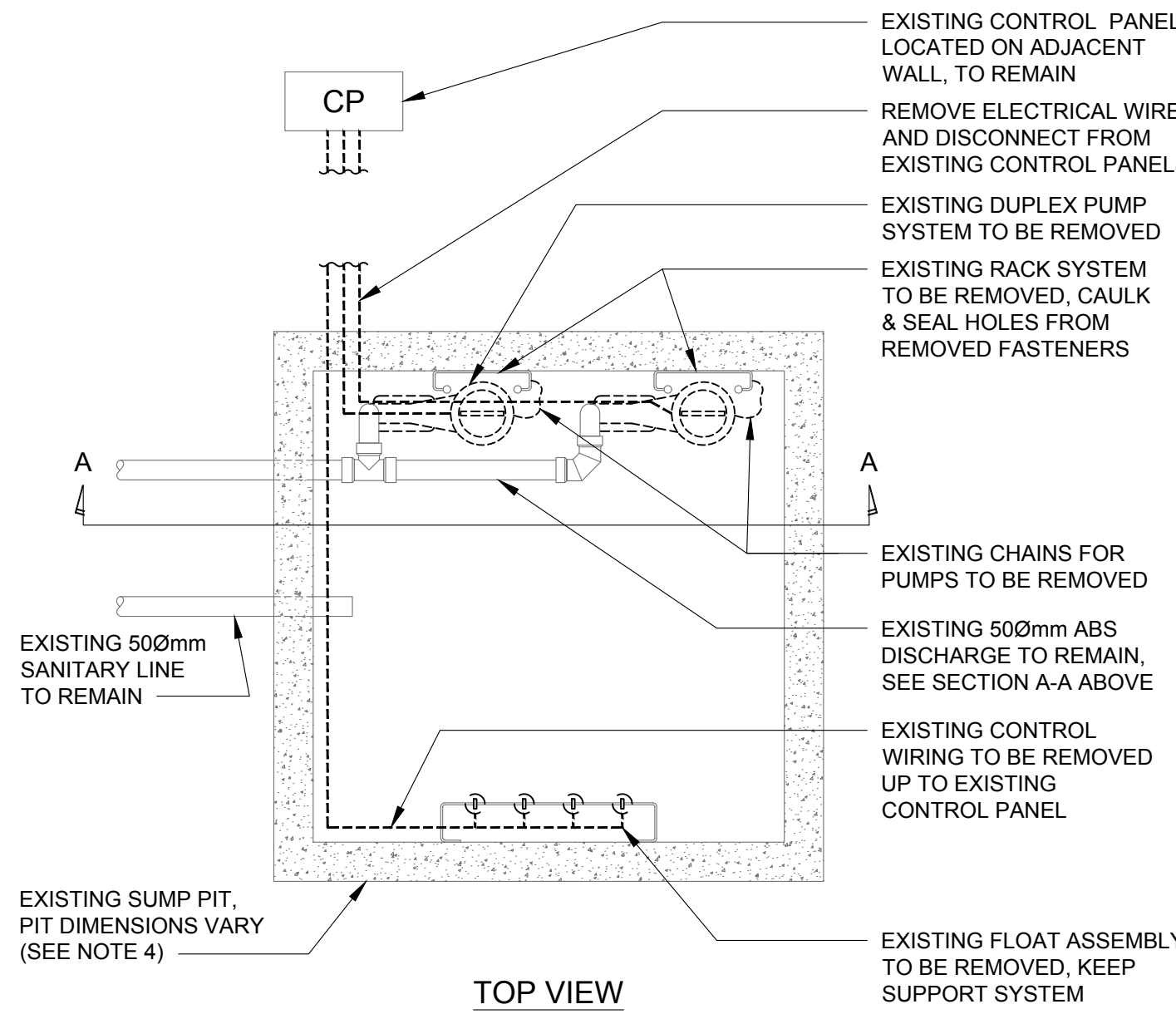
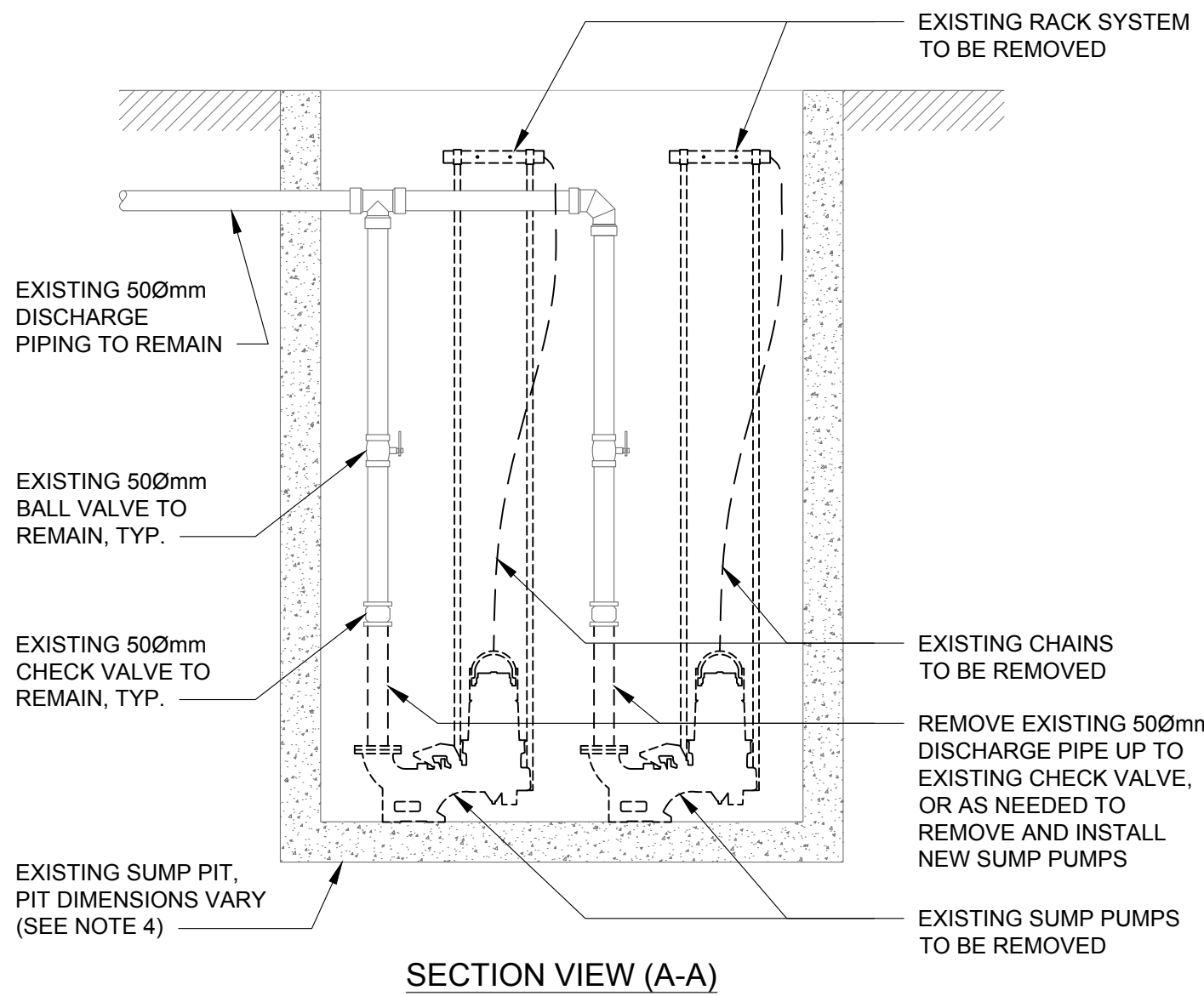


Project no./No. du projet R.100531.001	Drawing no./No. du dessin D102 OF 9	Revision no. R00
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1 SUMP PUMP/PIT DEMOLITION PLAN - OVERALL
D103 SCALE: 1:500

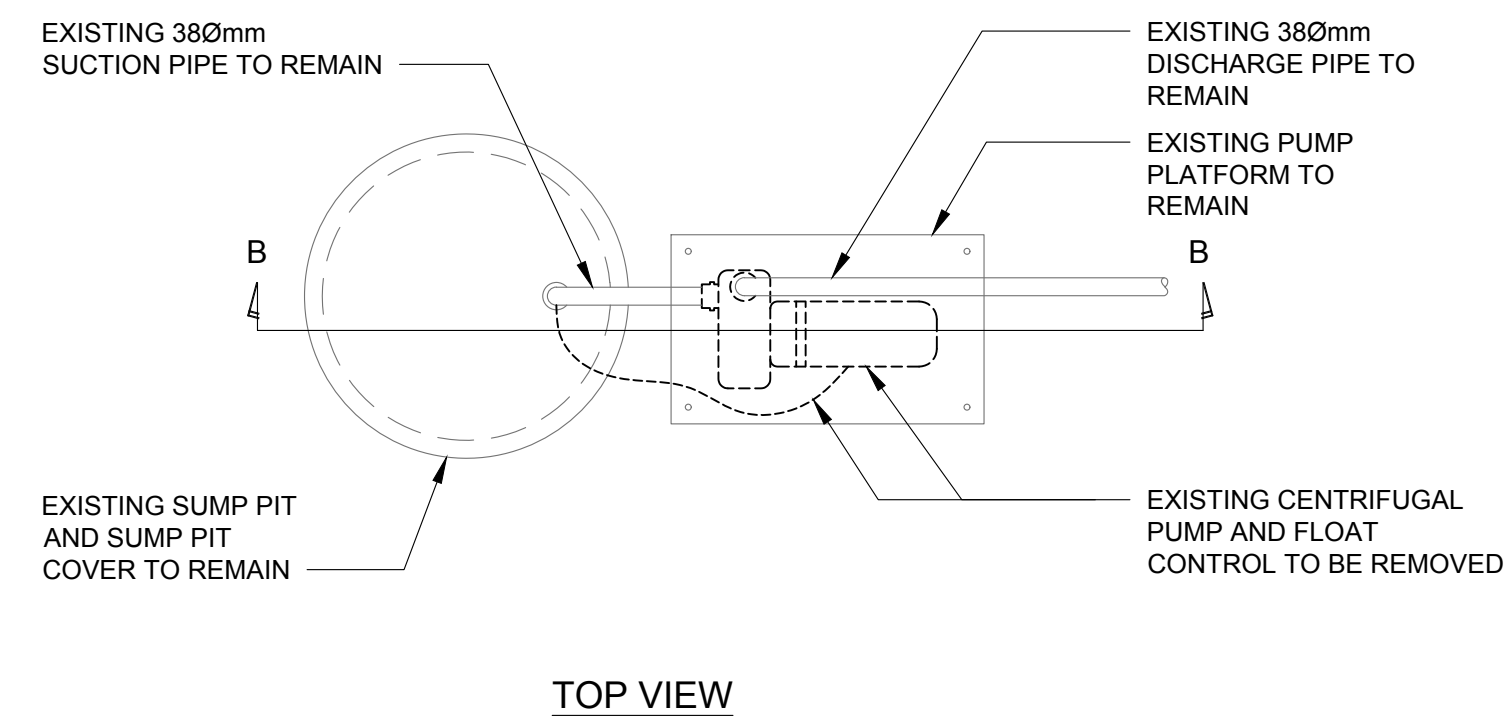
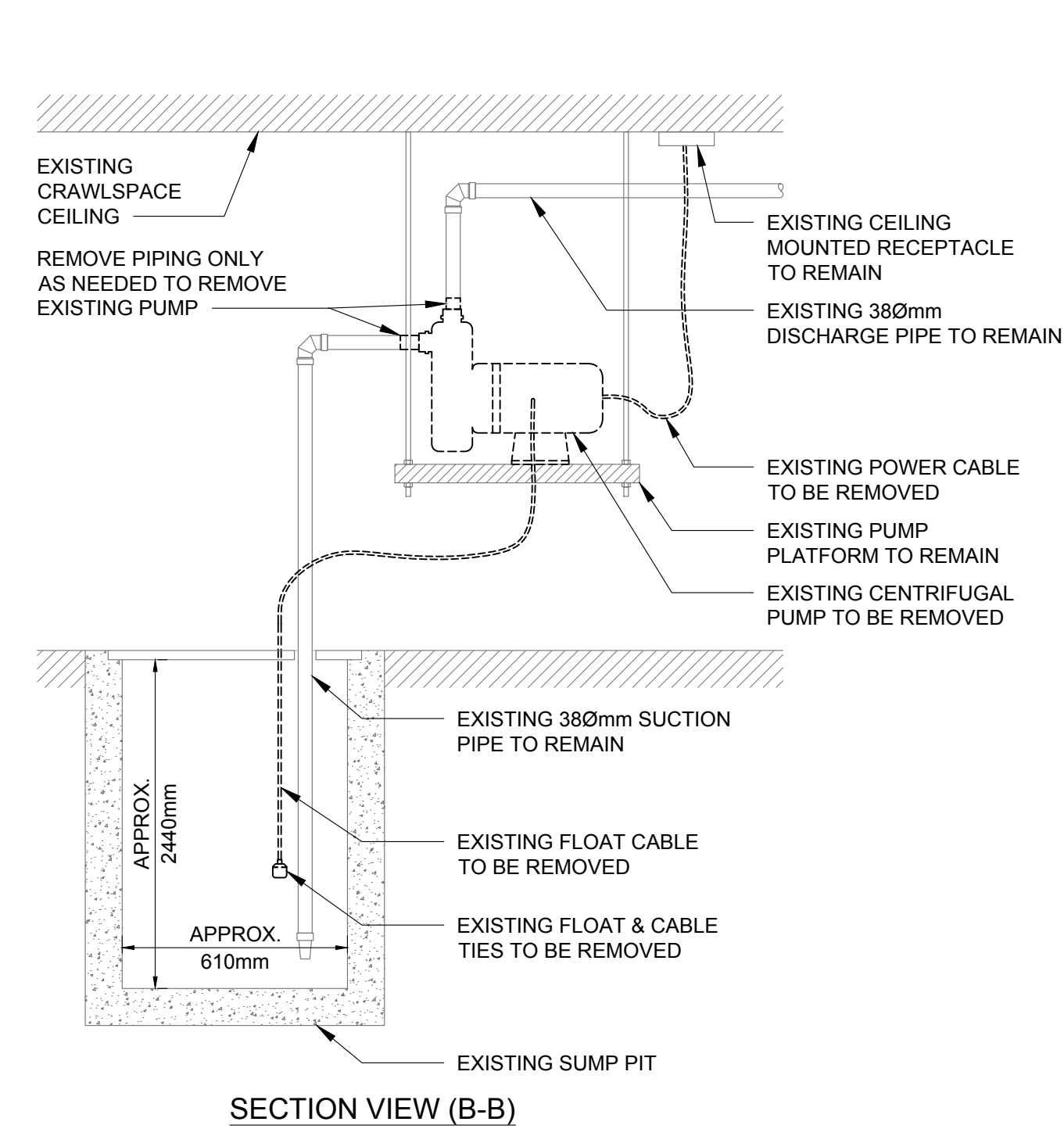
FIXTURE LEGEND	
ITEM	SYMBOL
SUMP PUMP	SP-#
SUMP PUMP CONTROL PANEL	CP



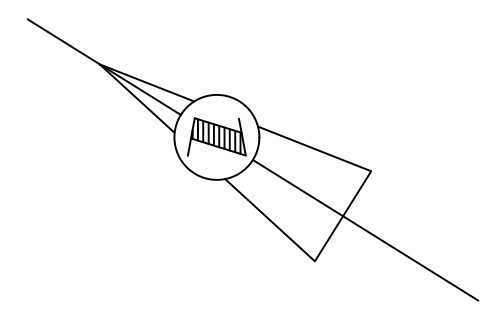
2 EXISTING BOW BUILDING (SP-13 TO 18)
SUMP PUMP/PIT DEMOLITION DETAILS
D103 SCALE: N.T.S.

NOTE:
REFER TO SUMP PIT DEMOLITION PLAN FOR LOCATIONS OF EXISTING SUMP PUMP/FLOAT ASSEMBLIES TO BE DEMOLISHED (SHOWN WITH ARROW AND LABEL).

- SUMP PUMP/PIT DEMOLITION NOTES:
1. REMOVE AND DISPOSE OF EXISTING SUMP PUMPS, FLOAT ASSEMBLIES, AND ELECTRICAL WIRING AS SHOWN ON DETAILS 2 AND 3 ON THIS SHEET.
 2. REUSE EXISTING DISCHARGE PIPING AND FITTINGS AS SHOWN ON DETAILS 2 AND 3 ON SHEET M103.
 3. EXISTING CONTROL PANELS FOR SUMP PITS (SP-13 TO 18) ARE TO BE REUSED.
 4. SUMP PITS (SP-13 TO SP-17) HAVE A DEPTH OF APPROXIMATELY 900mm. SUMP PIT (SP-18) HAS A DEPTH OF APPROXIMATELY 2140mm. ALL PITS (SP-13-18) HAVE A WIDTH AND LENGTH OF 900mm x 900mm.



3 EXISTING KITCHEN (SP-12)
SUMP PUMP/PIT DEMOLITION DETAILS
D103 SCALE: N.T.S.



Revision	Description	Date
5		
4		
3		
2	ISSUED FOR TENDER	2019-06-18
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Client client

PUBLIC WORKS & GOVERNMENT SERVICES

10025 JASPER AVENUE
ATB PLACE NORTH TOWER, 5TH FLOOR

Project Project

**CORRECTIONAL SERVICE CANADA
REGIONAL PSYCHIATRIC CENTRE
SASKATOON, SK**

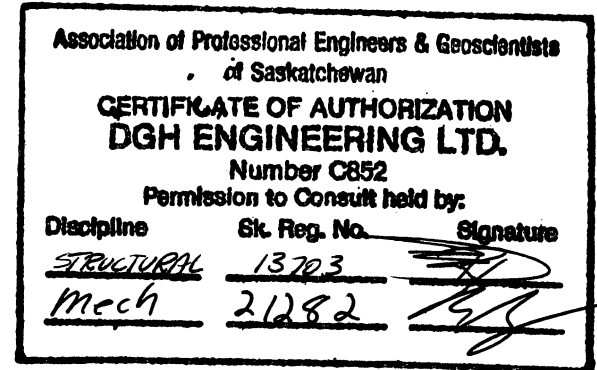
**CRAWL SPACE PLUMBING
ASSESSMENT & REPAIR,
SASKATOON, SK**

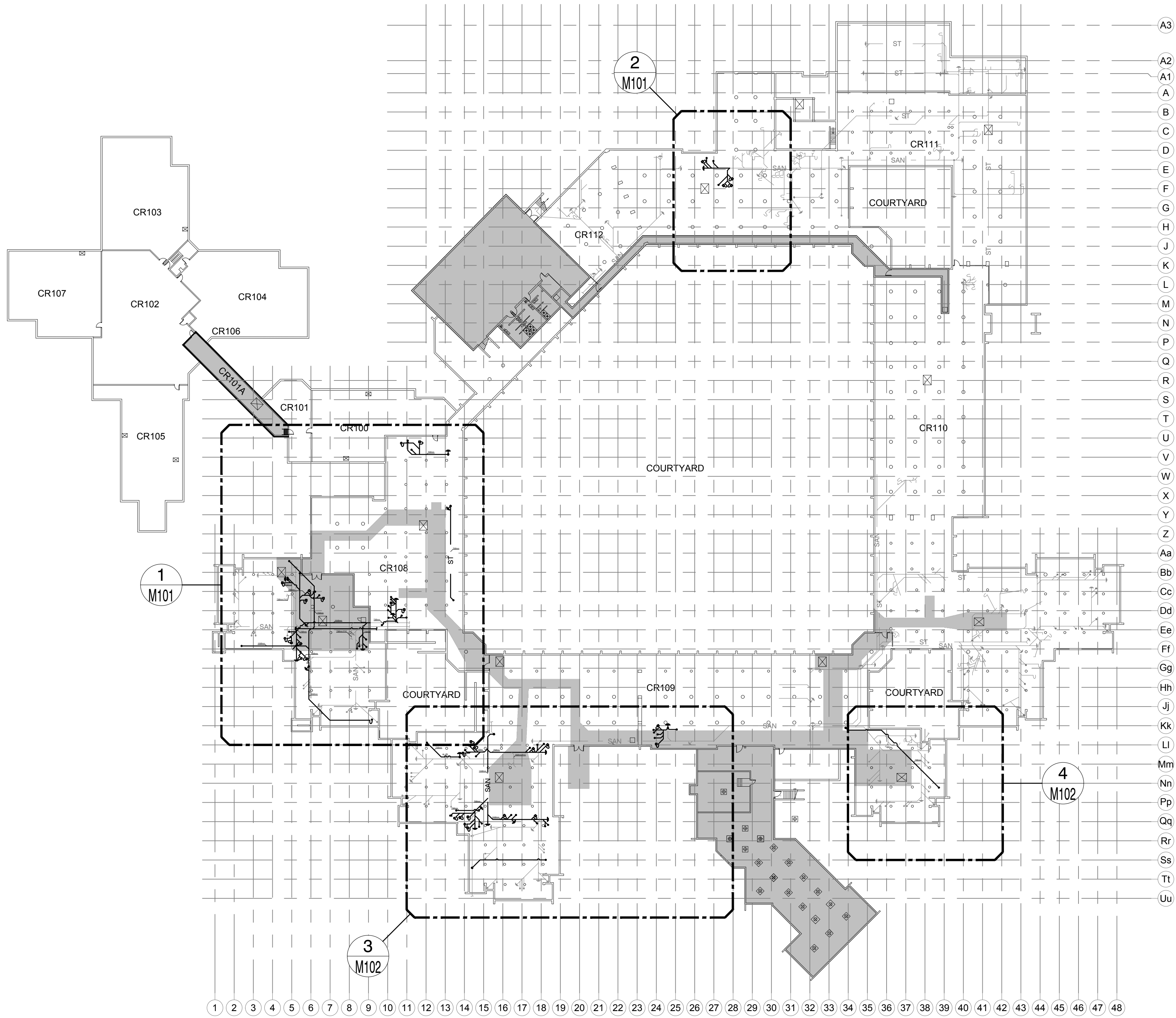
Designed by DMT	Conçu par
Drawn by KKM	Dessiné par
Approved by RLG	Approuvé par
PWGSC Project Manager SHAUN HUGHES	Administrateur de Projets TPSGC

Drawing title Titre du dessin

**SUMP PUMP
DEMOLITION
PLAN & DETAILS**

Project no./No. du projet R.100531.001	Drawing no./No. du dessin D103 OF 9	Revision no. R00
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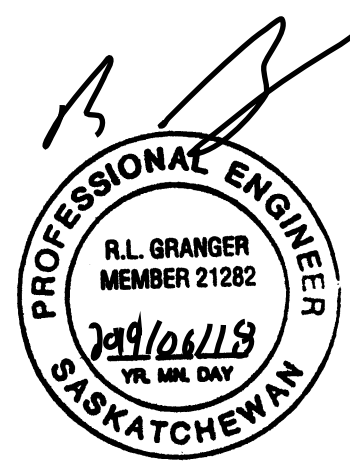
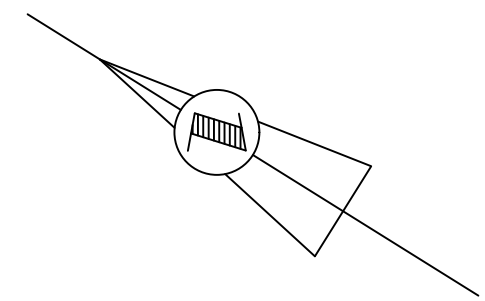
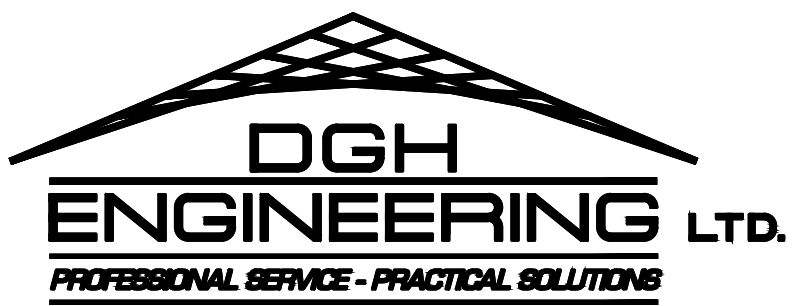


1 PIPING CONSTRUCTION PLAN - OVERALL
M100 SCALE: 1:500

LEGEND		
ITEM	SYMBOL	REMARKS
SANITARY SEWER CLEANOUT		EXISTING
SANITARY SEWER VENT LINE CAP		
FLOOR DRAIN		
DOMESTIC SANITARY SEWER LINE, UNDERGROUND		
DOMESTIC SANITARY SEWER LINE, ABOVE GROUND		
STORM SEWER LINE MAIN, UNDERGROUND		NEW CONSTRUCTION
STORM SEWER LINE MAIN, ABOVE GROUND		
PIPING STACK		
SANITARY SEWER CLEANOUT		
SANITARY SEWER VENT LINE CAP		
FLOOR DRAIN		NEW CONSTRUCTION
P-TRAP		
DOMESTIC SANITARY SEWER LINE, UNDERGROUND		
DOMESTIC SANITARY SEWER LINE, ABOVE GROUND		
STORM SEWER LINE MAIN, UNDERGROUND		
STORM SEWER LINE MAIN, ABOVE GROUND		NEW CONSTRUCTION
PIPING STACK - ELBOW UP		
PIPING STACK - ELBOW DOWN		
PIPING - ANNOTATION PIPE SIZE (00mm DIAMETER)		
CRAWLSPACE WALKWAY		

FIXTURE LEGEND	
ITEM	SYMBOL
FLOOR DRAIN	
LAVATORY	
WATER CLOSET	
SHOWER	
SINK	
DRINKING FOUNTAIN	
BATH TUB	
WASHING MACHINE	
RAINWATER LEADER	
SUMP PUMP	

ROOM LEGEND	
ROOM NUMBER	ROOM NAME
CR100	CRAWL SPACE
CR101	CRAWL SPACE
CR101A	CRAWL SPACE
CR102	CRAWL SPACE
CR103	CRAWL SPACE
CR104	CRAWL SPACE
CR105	CRAWL SPACE
CR106	CRAWL SPACE
CR107	CRAWL SPACE
CR108	CRAWL SPACE
CR109	CRAWL SPACE
CR110	CRAWL SPACE
CR111	CRAWL SPACE
CR112	CRAWL SPACE



Revision	Description	Date
5		
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ATB PLACE NORTH TOWER, 5TH FLOOR

Project
CORRECTIONAL SERVICE CANADA
REGIONAL PSYCHIATRIC CENTRE
SASKATOON, SK

CRAWL SPACE PLUMBING
ASSESSMENT & REPAIR,
SASKATOON, SK

Designed by Conçu par

DMT

Drawn by Dessiné par

KKM

Approved by Approuvé par

RLG

PWGSC Project Manager Administrateur de Projets TPSGC

SHAUN HUGHES

Drawing title Titre du dessin

OVERALL PIPING
CONSTRUCTION PLAN

Project no./No. du projet Drawing no./No. du dessin Revision no.

R.100531.001 M100 R00



1
M101
CLEARWATER
PIPING CONSTRUCTION PLAN - PARTIAL

SCALE: 1:100
SHEET REF. M100

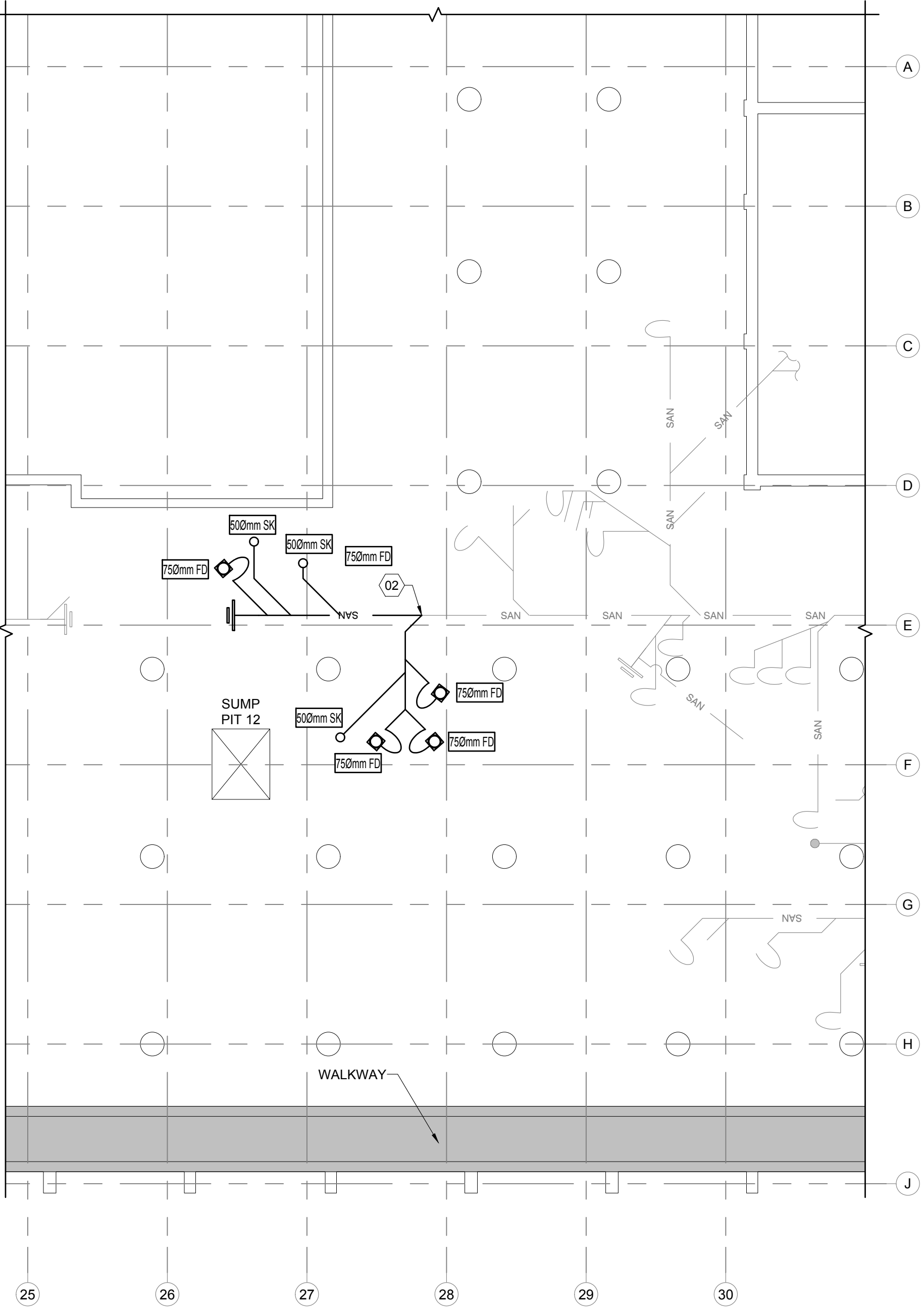
PIPING CONSTRUCTION NOTES:

- SUPPLY AND INSTALL NEW PVC PIPING AND FITTINGS, AND CONNECT TO EXISTING MAIN LINES AND BRANCHES AS SHOWN.
- SUPPORT NEW PIPING FROM THE CEILING WITH EXISTING HANGERS OR WITH NEW CLEVIS HANGERS ANCHORED TO CEILING USING 9.5mm DROP-IN ANCHORS EMBEDDED 38mm. SUPPORT HANGERS WITH 9.5mm THREADED RODS.
- WHERE POSSIBLE, REUSE EXISTING HANGERS AND ANCHORS.
- REMOVE AND DISPOSE ANY DAMAGED OR UNNECESSARY HANGERS AND THREADED RODS. FILL ANY HOLES WITH NON-SHRINK, NON-METALLIC GROUT.

LEGEND		
ITEM	SYMBOL	REMARKS
SANITARY SEWER CLEANOUT		EXISTING
SANITARY SEWER VENT LINE CAP		
FLOOR DRAIN		
DOMESTIC SANITARY SEWER LINE, UNDERGROUND		
DOMESTIC SANITARY SEWER LINE, ABOVE GROUND		
STORM SEWER LINE MAIN, UNDERGROUND		NEW CONSTRUCTION
STORM SEWER LINE MAIN, ABOVE GROUND		
PIPING STACK		
SANITARY SEWER CLEANOUT		
SANITARY SEWER VENT LINE CAP		
FLOOR DRAIN		NEW CONSTRUCTION
P-TRAP		
DOMESTIC SANITARY SEWER LINE, UNDERGROUND		
DOMESTIC SANITARY SEWER LINE, ABOVE GROUND		
STORM SEWER LINE MAIN, UNDERGROUND		
STORM SEWER LINE MAIN, ABOVE GROUND		
PIPING STACK - ELBOW UP		NEW CONSTRUCTION
PIPING STACK - ELBOW DOWN		
PIPING - ANNOTATION PIPE SIZE (100mm DIAMETER)		
CRAWLSPACE WALKWAY		

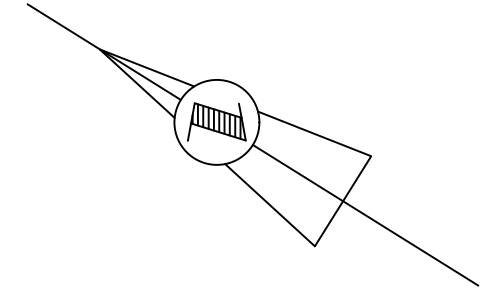
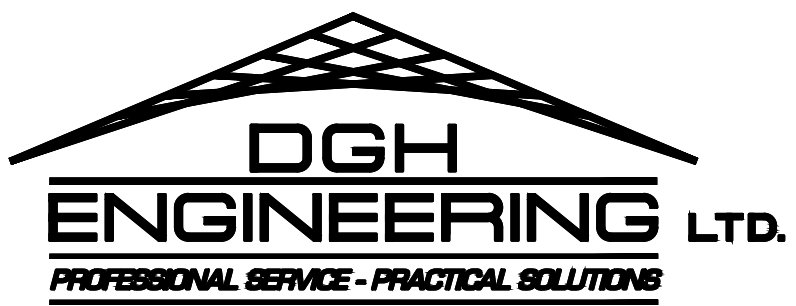
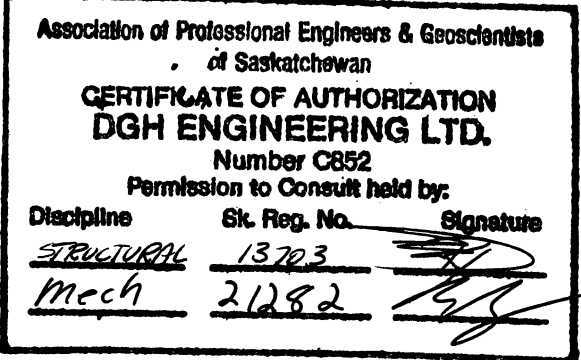
FIXTURE LEGEND	
ITEM	SYMBOL
FLOOR DRAIN	
LAVATORY	
WATER CLOSET	
SHOWER	
SINK	
DRINKING FOUNTAIN	
BATH TUB	
WASHING MACHINE	
RAINWATER LEADER	
SUMP PUMP	

PIPING CONSTRUCTION KEY NOTES	
TAG	DESCRIPTION
01	TIE PIPING INTO EXISTING UNDERGROUND BRANCHES, REPLACING FITTING ON BRANCHES.
02	TIE PIPING INTO EXISTING ABOVE GROUND BRANCHES, USING EXISTING FITTINGS ON BRANCHES.
03	TIE INTO EXISTING 100mm SANITARY LINE AT WALL.



2
M101
KITCHEN
PIPING CONSTRUCTION PLAN - PARTIAL

SCALE: 1:100
SHEET REF. M100



5		
4		
3		
2	ISSUED FOR TENDER	2019-06-18
1	90% DRAWING SUBMISSION	2019-05-09
0	50% DRAWING SUBMISSION	2019-03-29
Revision	Description	Date

Client client

PUBLIC WORKS & GOVERNMENT SERVICES

10025 JASPER AVENUE
ATB PLACE NORTH TOWER, 5TH FLOOR

Project
CORRECTIONAL SERVICE CANADA
REGIONAL PSYCHIATRIC CENTRE
SASKATOON, SK

CRAWL SPACE PLUMBING
ASSESSMENT & REPAIR,
SASKATOON, SK

Designed by Conçu par

DMT

Drawn by Dessiné par

KKM

Approved by Approuvé par

RLG

PWGSC Project Manager Administrateur de Projets TPSGC

SHAUN HUGHES

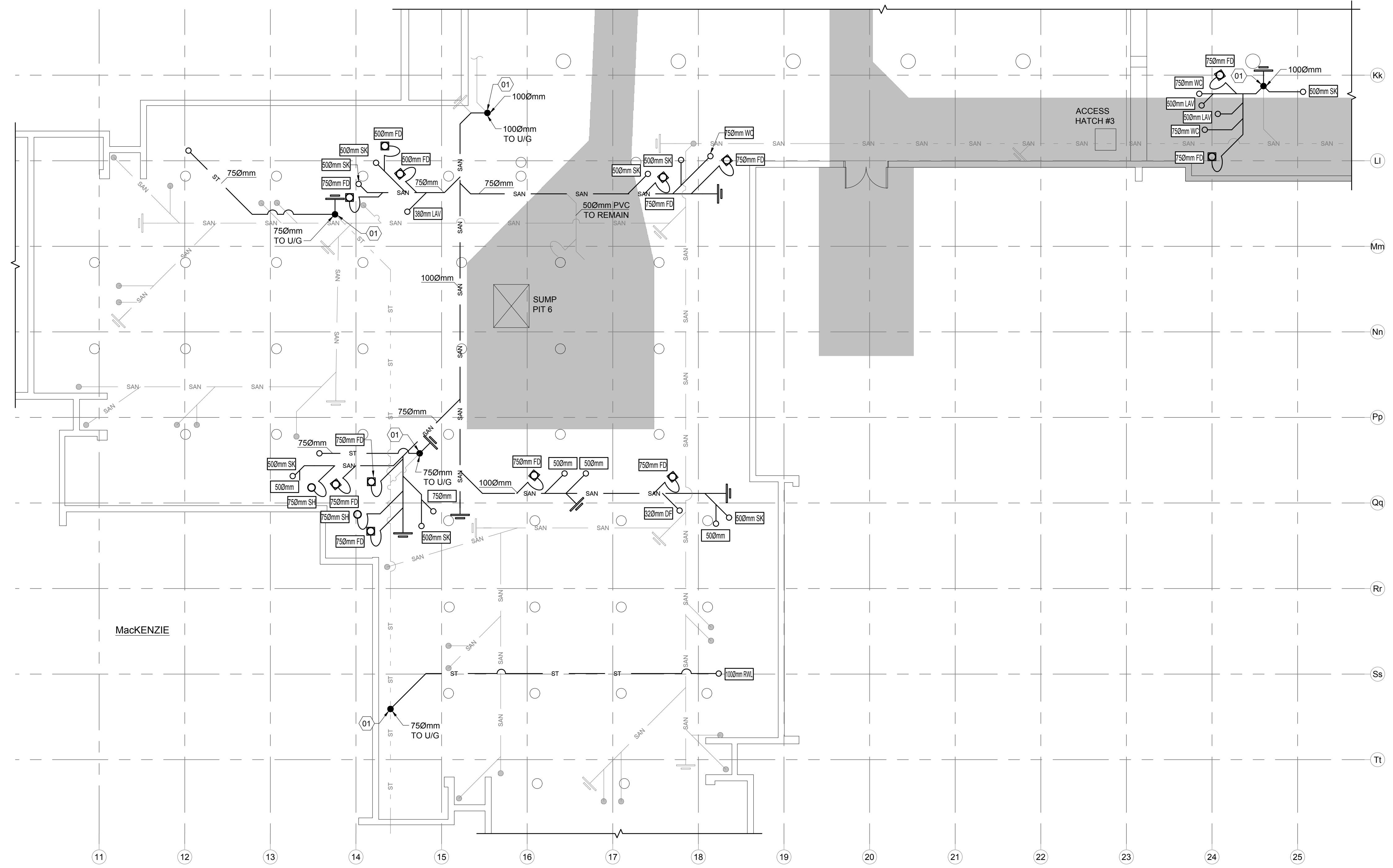
Drawing title Titre du dessin

PARTIAL PIPING
CONSTRUCTION PLANS

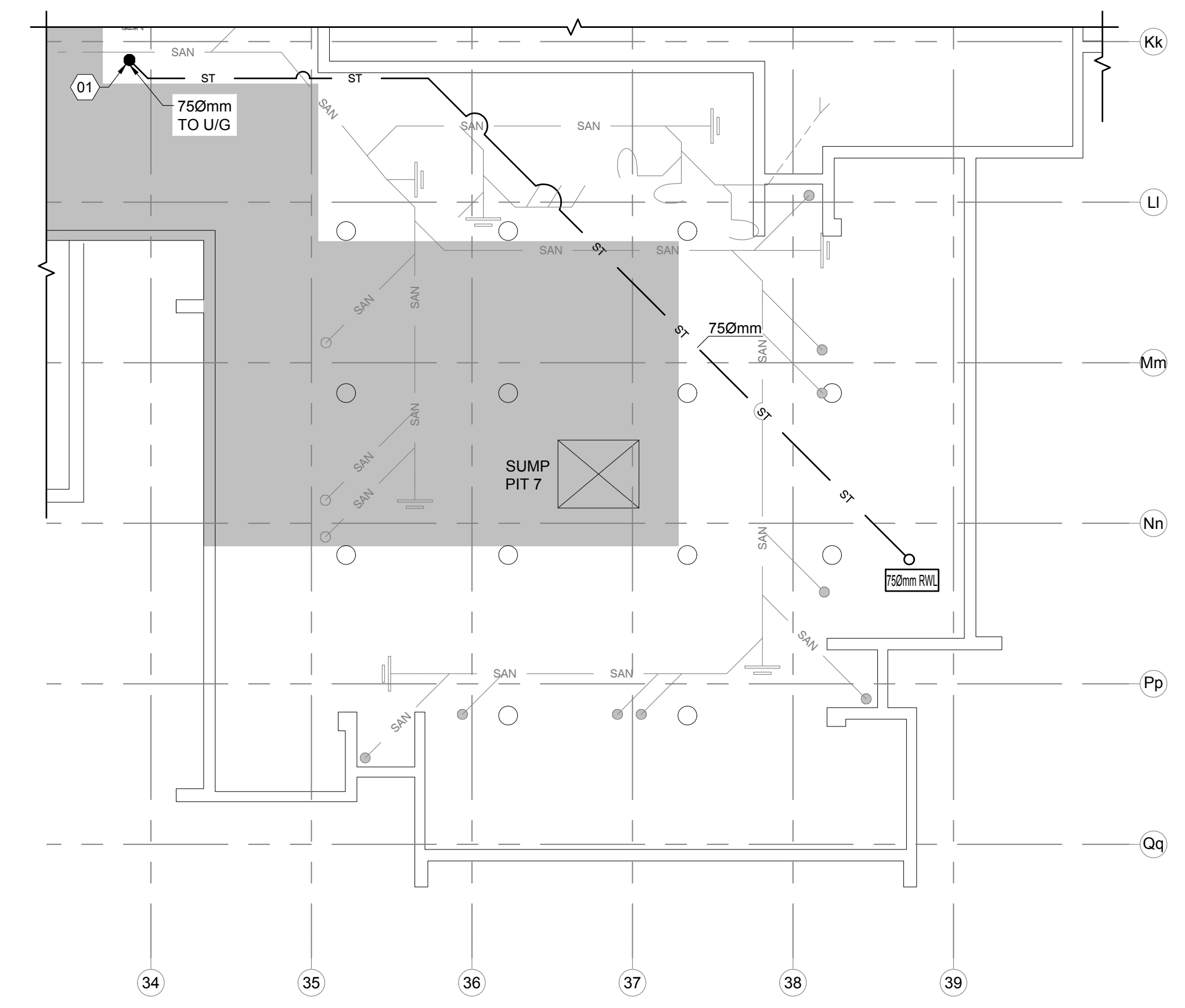
Project no./No. du projet Drawing no./No. du dessin Revision no.

R.100531.001 M101 R00

OF 9



3
M102
MACKENZIE
PIPING CONSTRUCTION PLAN - PARTIAL
SCALE: 1:100
SHEET REF. M100



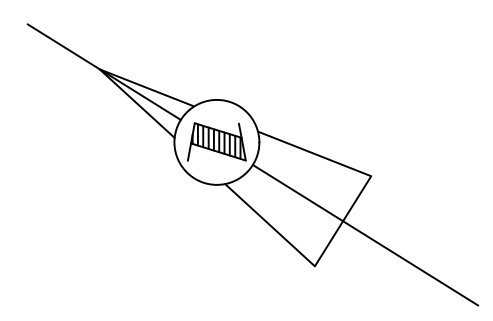
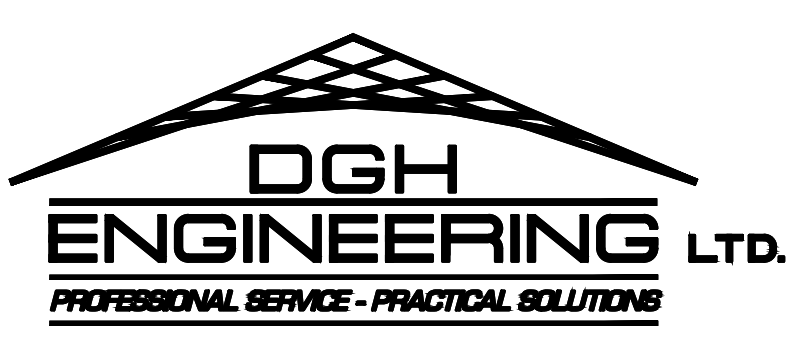
4
M102
CHURCHILL
PIPING CONSTRUCTION PLAN - PARTIAL
SCALE: 1:100
SHEET REF. M100

- PIPING CONSTRUCTION NOTES:
- SUPPLY AND INSTALL NEW PVC PIPING AND FITTINGS, AND CONNECT TO EXISTING MAIN LINES AND BRANCHES AS SHOWN.
 - SUPPORT NEW PIPING FROM THE CEILING WITH EXISTING HANGERS OR WITH NEW CLEVIS HANGERS ANCHORED TO CEILING USING 9.5mm DROP-IN ANCHORS EMBEDDED 38mm. SUPPORT HANGERS WITH 9.5mm THREADED RODS.
 - WHERE POSSIBLE, REUSE EXISTING HANGERS AND ANCHORS.
 - REMOVE AND DISPOSE ANY DAMAGED OR UNNECESSARY HANGERS AND THREADED RODS. FILL ANY HOLES WITH NON-SHRINK, NON-METALLIC GROUT.

LEGEND		
ITEM	SYMBOL	REMARKS
SANITARY SEWER CLEANOUT		EXISTING
SANITARY SEWER VENT LINE CAP		
FLOOR DRAIN		NEW CONSTRUCTION
DOMESTIC SANITARY SEWER LINE, UNDERGROUND		
DOMESTIC SANITARY SEWER LINE, ABOVE GROUND		
STORM SEWER LINE MAIN, UNDERGROUND		
STORM SEWER LINE MAIN, ABOVE GROUND		
PIPING STACK		
SANITARY SEWER CLEANOUT		
SANITARY SEWER VENT LINE CAP		
FLOOR DRAIN		
P-TRAP		
DOMESTIC SANITARY SEWER LINE, UNDERGROUND		
DOMESTIC SANITARY SEWER LINE, ABOVE GROUND		
STORM SEWER LINE MAIN, UNDERGROUND		
STORM SEWER LINE MAIN, ABOVE GROUND		
PIPING STACK - ELBOW UP		
PIPING STACK - ELBOW DOWN		
PIPING - ANNOTATION PIPE SIZE (Ømm DIAMETER)		
CRAWLSPACE WALKWAY		

FIXTURE LEGEND	
ITEM	SYMBOL
FLOOR DRAIN	
LAVATORY	
WATER CLOSET	
SHOWER	
SINK	
DRINKING FOUNTAIN	
BATH TUB	
WASHING MACHINE	
RAINWATER LEADER	
SUMP PUMP	

PIPING CONSTRUCTION KEY NOTES	
TAG	DESCRIPTION
01	TIE PIPING INTO EXISTING UNDERGROUND BRANCHES, REPLACING FITTING ON BRANCHES.



5		
4		
3		
2	ISSUED FOR TENDER	2019-06-18
1	90% DRAWING SUBMISSION	2019-05-09
0	50% DRAWING SUBMISSION	2019-03-29
Revision	Description	Date

Client client

PUBLIC WORKS & GOVERNMENT SERVICES

10025 JASPER AVENUE
ATB PLACE NORTH TOWER, 5TH FLOOR

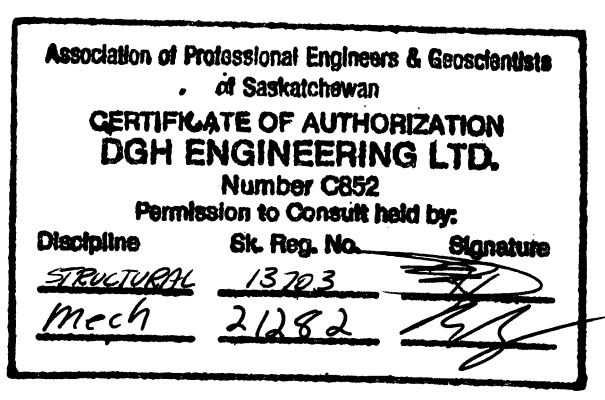
Project Projet
CORRECTIONAL SERVICE CANADA
REGIONAL PSYCHIATRIC CENTRE
SASKATOON, SK

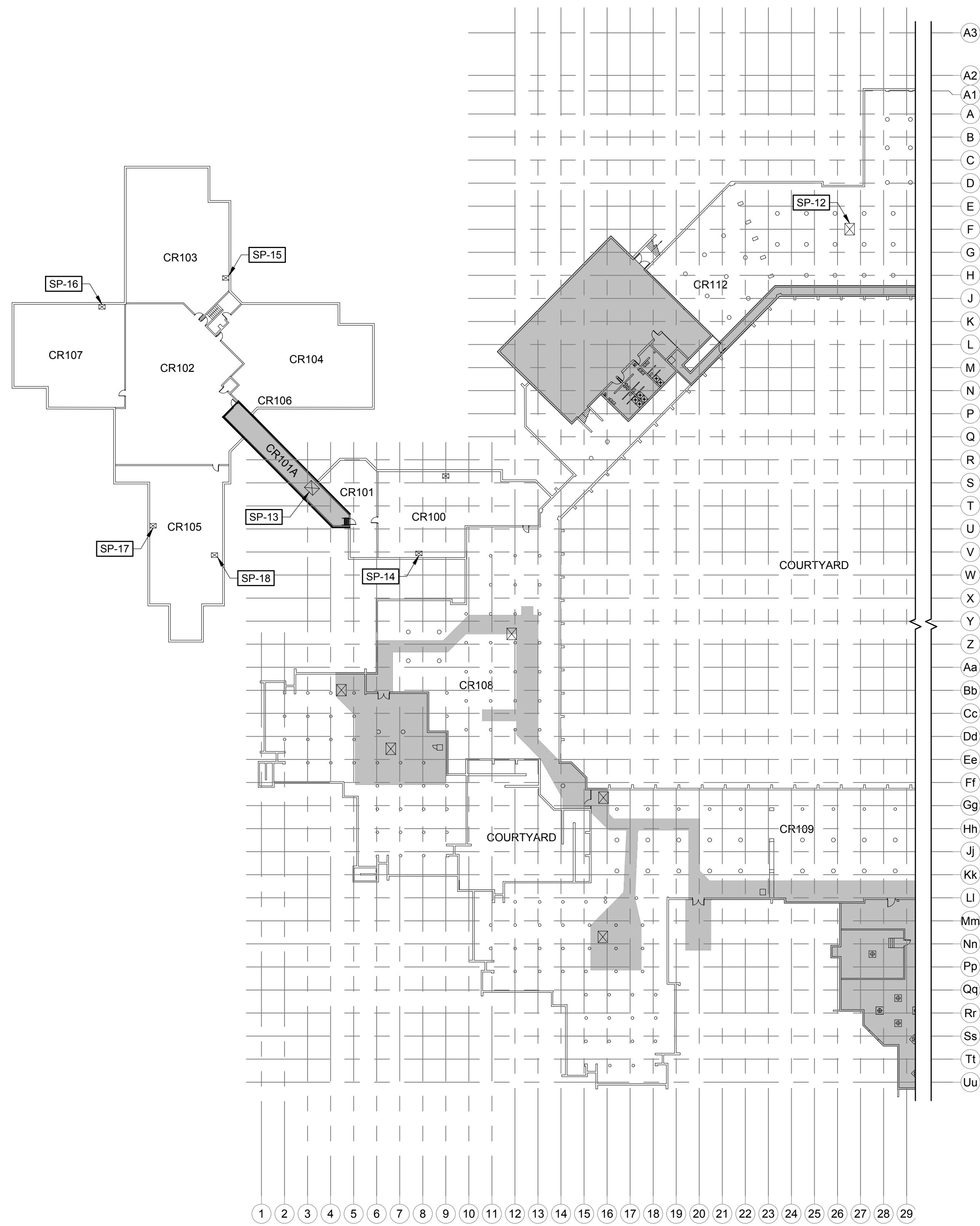
CRAWL SPACE PLUMBING
ASSESSMENT & REPAIR,
SASKATOON, SK

Designed by DMT	Conçu par
Drawn by KKM	Dessiné par
Approved by RLG	Approuvé par
PWGSC Project Manager SHAUN HUGHES	Administrateur de Projets TPSGC
Drawing title	Titre du dessin

PARTIAL PIPING
CONSTRUCTION PLANS

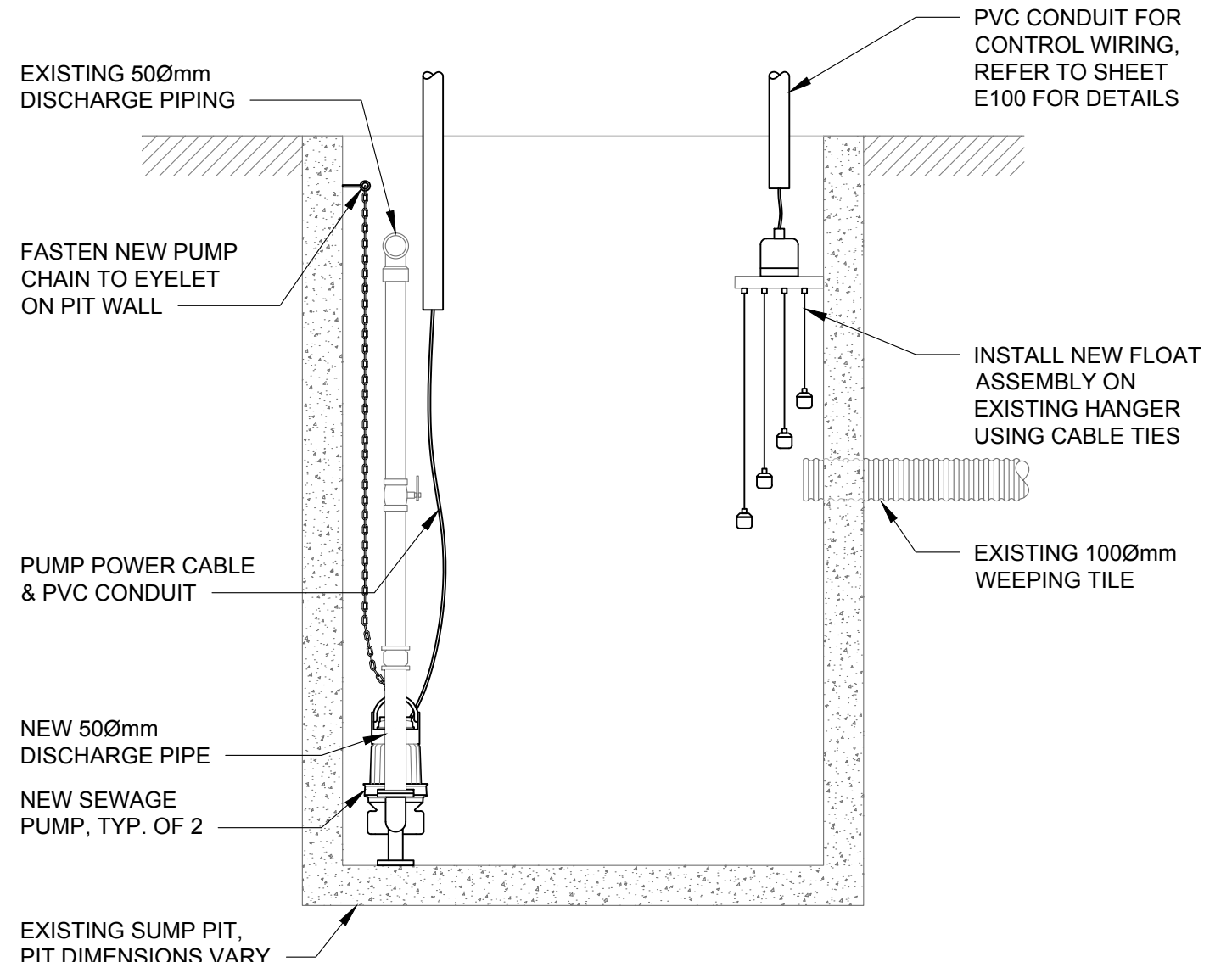
Project no./No. du projet R.100531.001	Drawing no./No. du dessin M102	Revision no. R00
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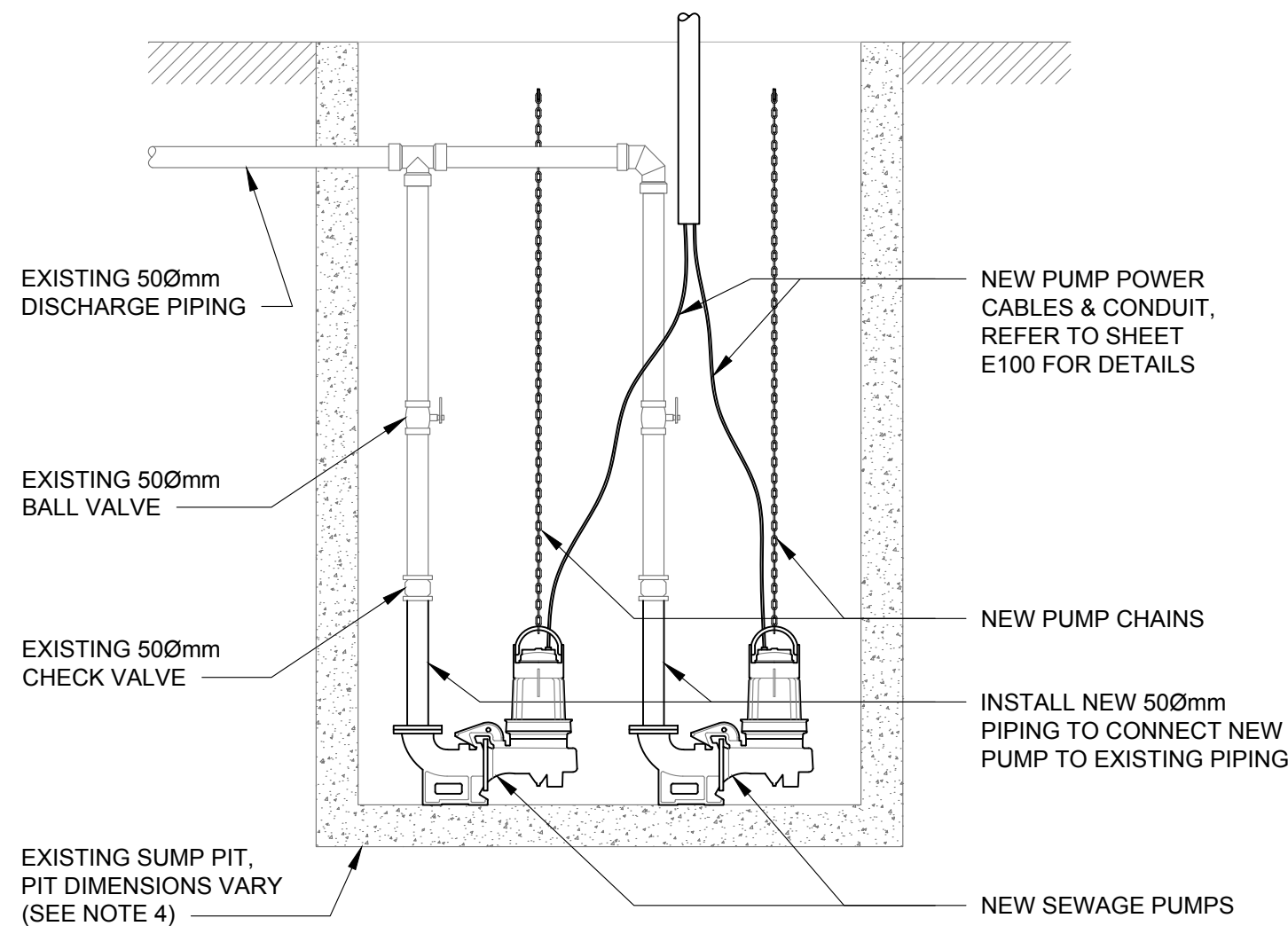


1 SUMP PUMP/PIT CONSTRUCTION PLAN - OVERALL
M103 SCALE: 1:500

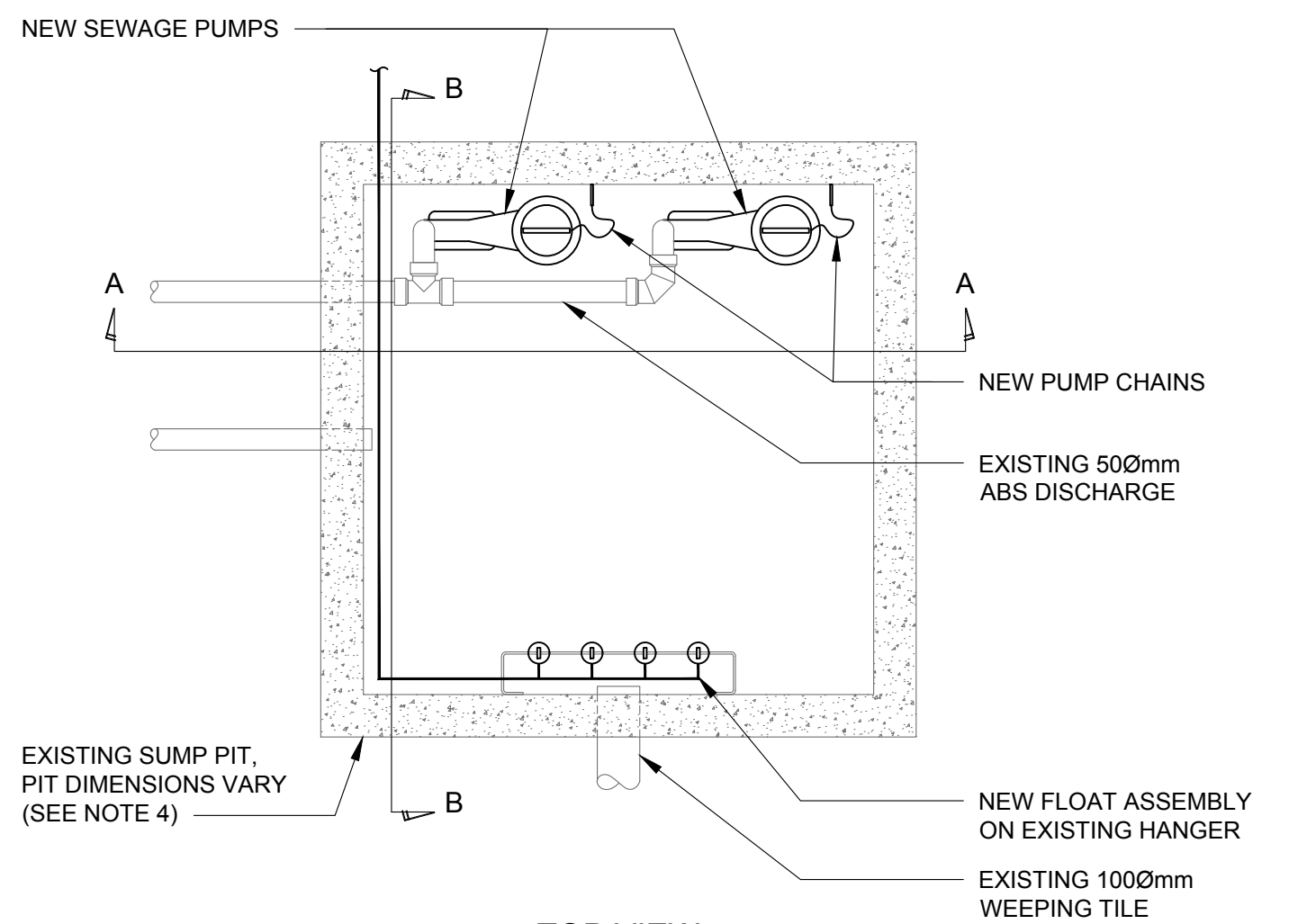
FIXTURE LEGEND	
ITEM	SYMBOL
SUMP PUMP	SP-#



SECTION VIEW (B-B)



SECTION VIEW (A-A)



TOP VIEW

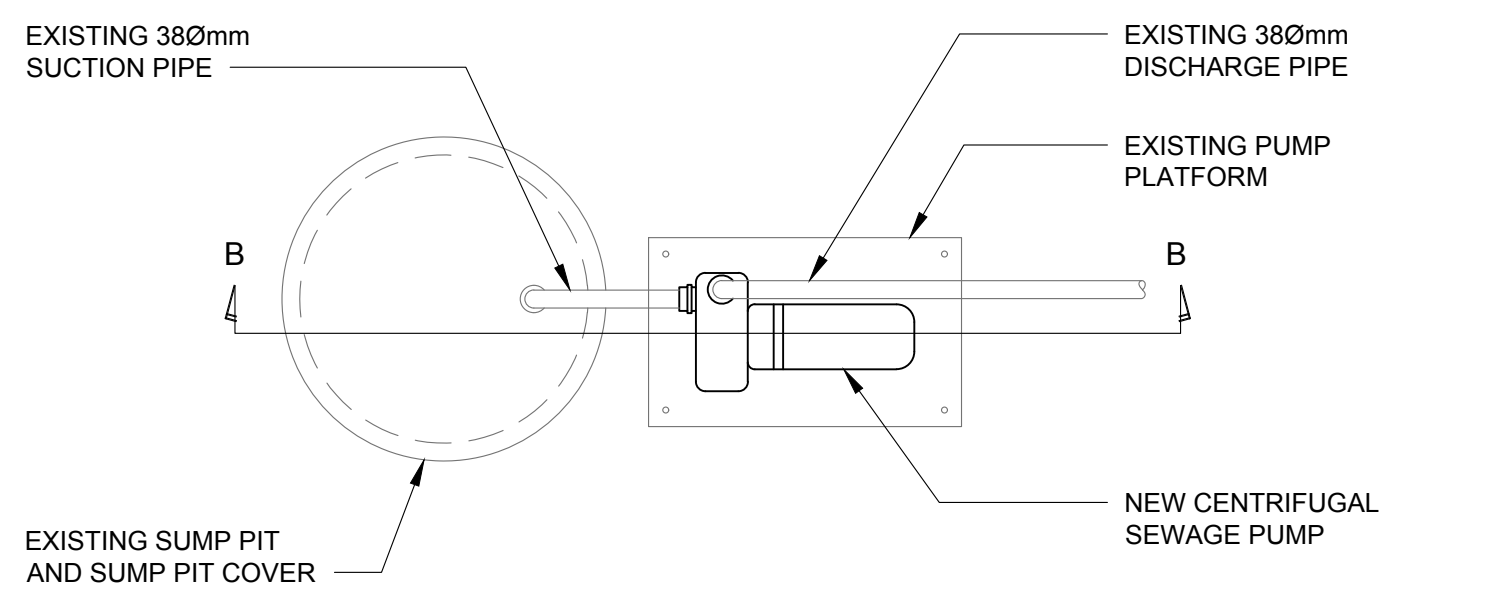
2 BOW BUILDING (SP-13 TO 18)
SUMP PUMP/PIT CONSTRUCTION DETAILS
M103 SCALE: N.T.S.

NOTE:
REFER TO SUMP PIT CONSTRUCTION PLAN FOR LOCATIONS OF NEW SUMP PUMP/FLOAT ASSEMBLIES (SHOWN WITH ARROW AND LABEL).

- BOW BUILDING SUMP PUMP/PIT CONSTRUCTION NOTES:
- SUPPLY AND INSTALL NEW SEWAGE PUMPS IN EXISTING PITS AND CONNECT TO EXISTING CONTROL PANELS AND ELECTRICAL CIRCUIT. REFER TO SHEET E100.
 - CONNECT NEW PUMPS TO EXISTING DISCHARGE PIPING AS SHOWN ON DETAILS 1 AND 2 ON THIS SHEET.
 - SUPPLY AND INSTALL NEW FLOAT ASSEMBLIES (ACCORDING TO MANUFACTURER'S INSTRUCTIONS) AND TIE INTO EXISTING CONTROL PANELS.
 - SUMP PITS (SP-13 TO SP-17) HAVE A DEPTH OF APPROXIMATELY 900mm. SUMP PIT (SP-18) HAS A DEPTH OF APPROXIMATELY 2140mm. ALL PITS HAVE A WIDTH AND LENGTH OF 900mm x 900mm.



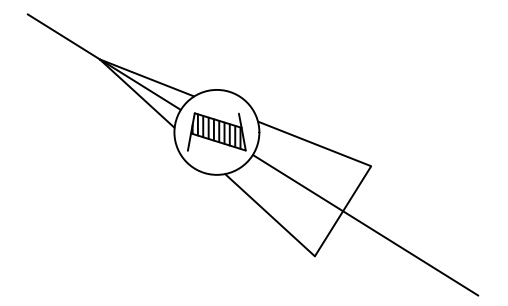
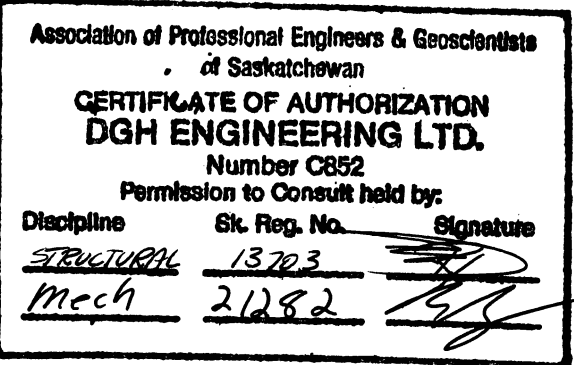
SECTION VIEW (B-B)



TOP VIEW

3 KITCHEN (SP-12)
SUMP PUMP/PIT CONSTRUCTION DETAILS
M103 SCALE: N.T.S.

- KITCHEN SUMP PUMP/PIT (SP-12) CONSTRUCTION NOTES:
- SUPPLY AND INSTALL NEW CENTRIFUGAL SEWAGE PUMP ON EXISTING HANGING PLATFORM AND CONNECT TO EXISTING ELECTRICAL CIRCUIT. REFER TO SHEET E100.
 - CONNECT NEW PUMP TO EXISTING DISCHARGE AND INLET PIPING.



Revision	Description	Date
5		
4		
3		
2	ISSUED FOR TENDER	2019-06-18
1	90% DRAWING SUBMISSION	2019-05-09
0	50% DRAWING SUBMISSION	2019-03-29

PUBLIC WORKS & GOVERNMENT SERVICES

10025 JASPER AVENUE
ATB PLACE NORTH TOWER, 5TH FLOOR

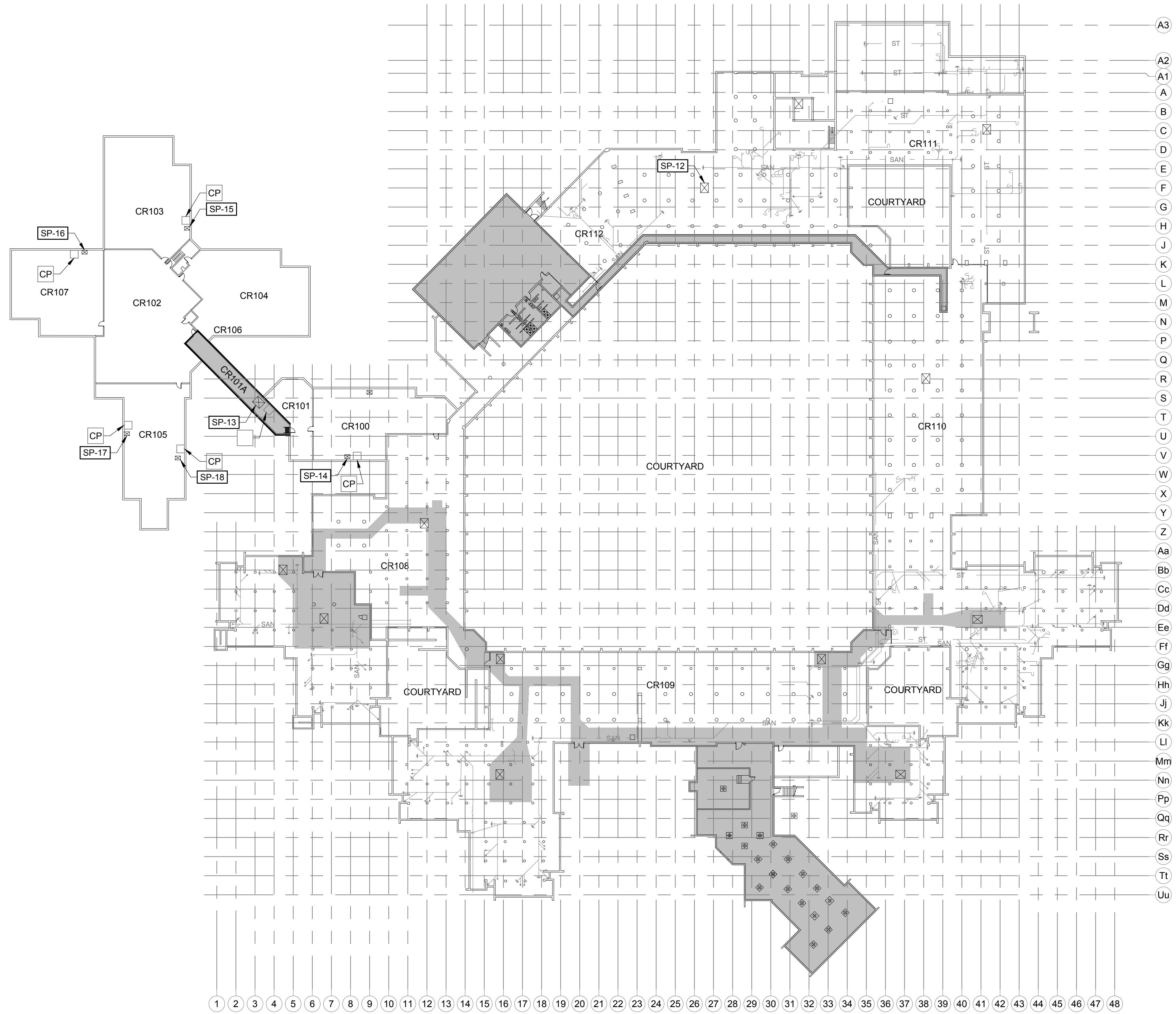
Project
CORRECTIONAL SERVICE CANADA
REGIONAL PSYCHIATRIC CENTRE
SASKATOON, SK

CRAWL SPACE PLUMBING
ASSESSMENT & REPAIR,
SASKATOON, SK

Designed by DMT	Conçu par
Drawn by KKM	Dessiné par
Approved by RLG	Approuvé par
PWGSC Project Manager SHAUN HUGHES	Administrateur de Projets TPSGC

Drawing title
SUMP PUMP
CONSTRUCTION
PLAN & DETAILS

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.100531.001	M103 OF 9	R00



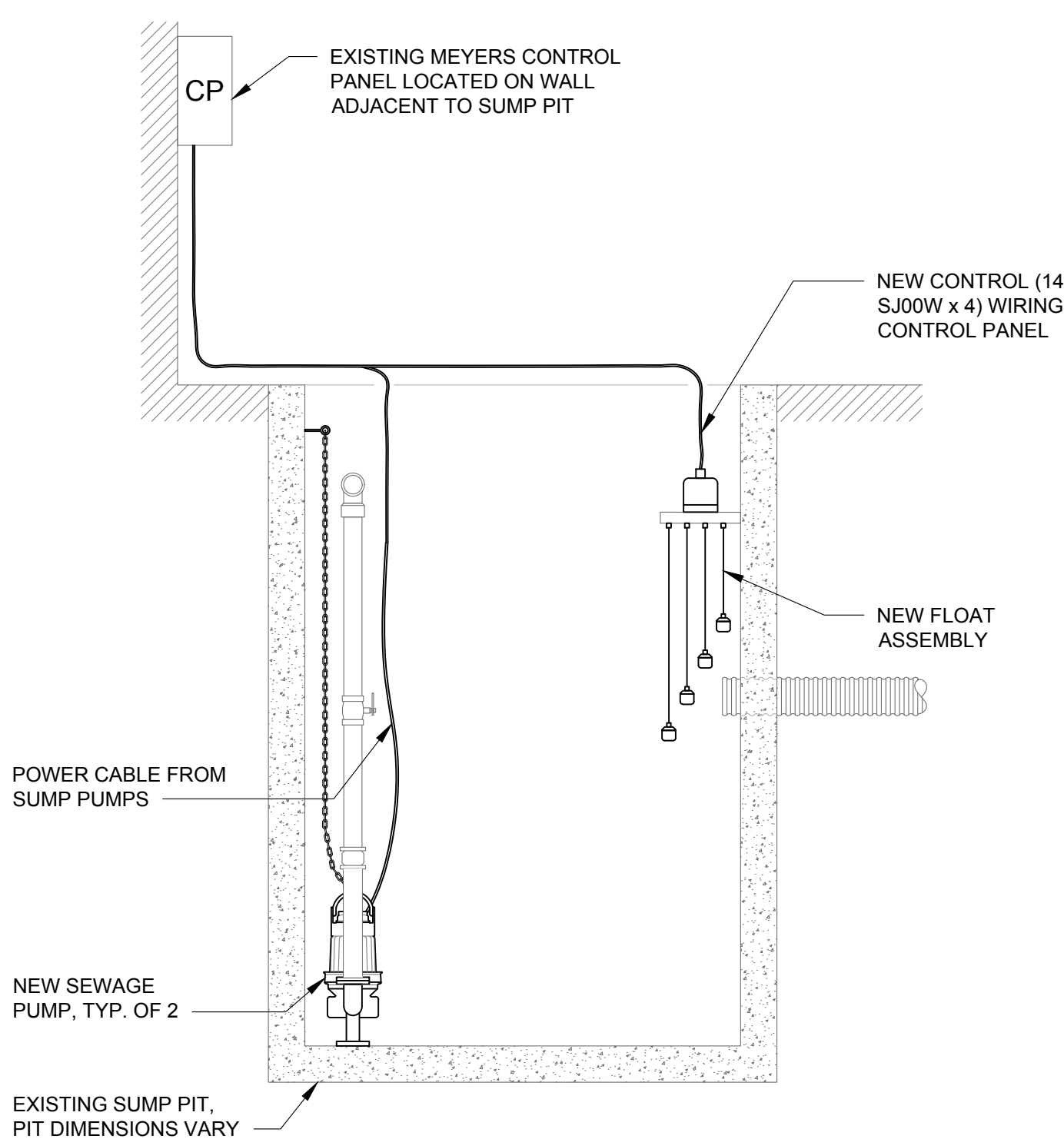
1 SUMP PIT ELECTRICAL PLAN - OVERALL
E100 SCALE: 1:500

LEGEND		
ITEM	SYMBOL	REMARKS
SUMP PUMP CONTROL PANEL	CP	EXISTING TO REMAIN

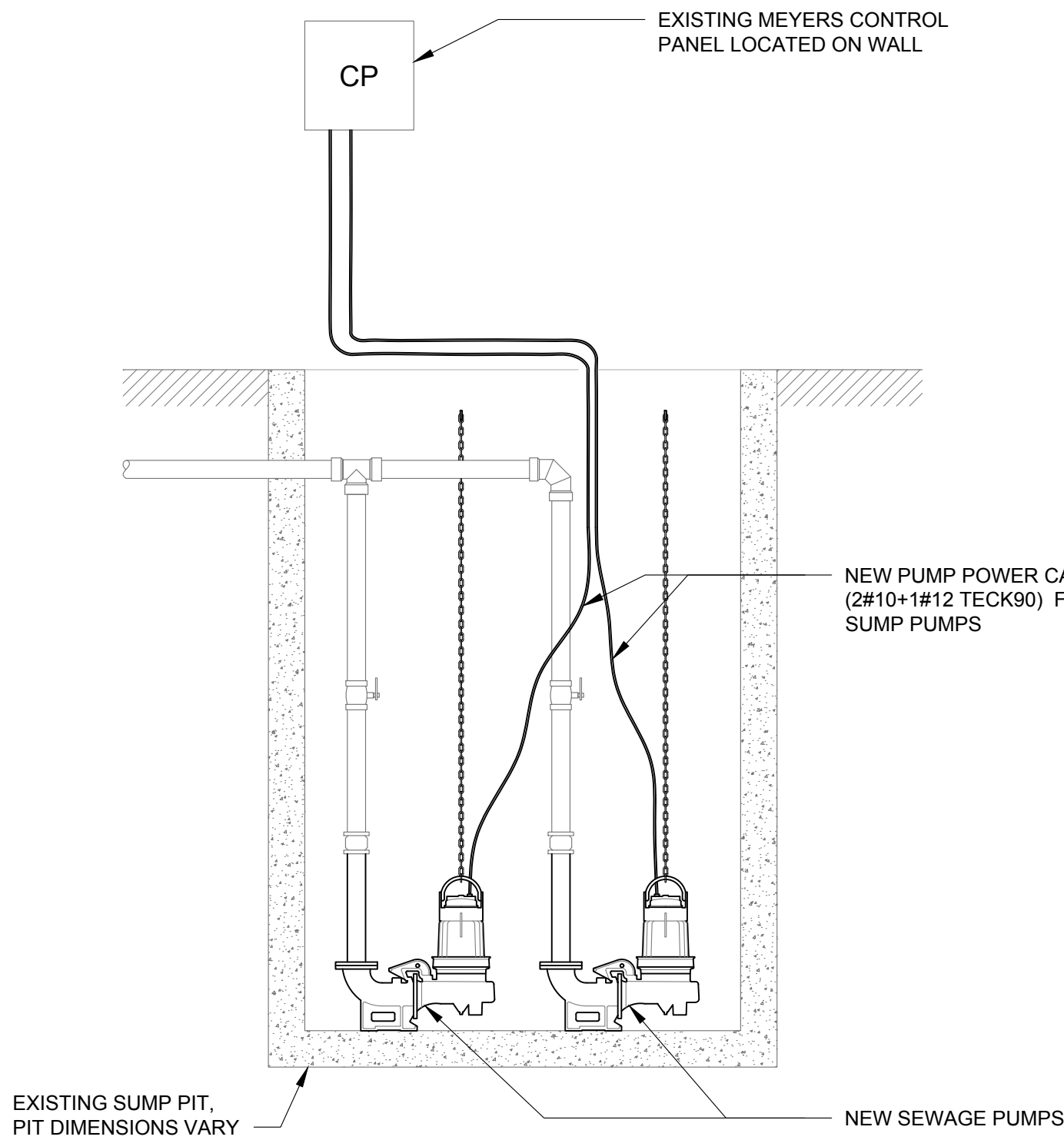
FIXTURE LEGEND	
ITEM	SYMBOL
SUMP PUMP	SP-#

ROOM LEGEND	
ROOM NUMBER	ROOM NAME
CR100	CRAWL SPACE
CR101	CRAWL SPACE
CR101A	CRAWL SPACE
CR102	CRAWL SPACE
CR103	CRAWL SPACE
CR104	CRAWL SPACE
CR105	CRAWL SPACE
CR106	CRAWL SPACE
CR107	CRAWL SPACE
CR108	CRAWL SPACE
CR109	CRAWL SPACE
CR110	CRAWL SPACE
CR111	CRAWL SPACE
CR112	CRAWL SPACE

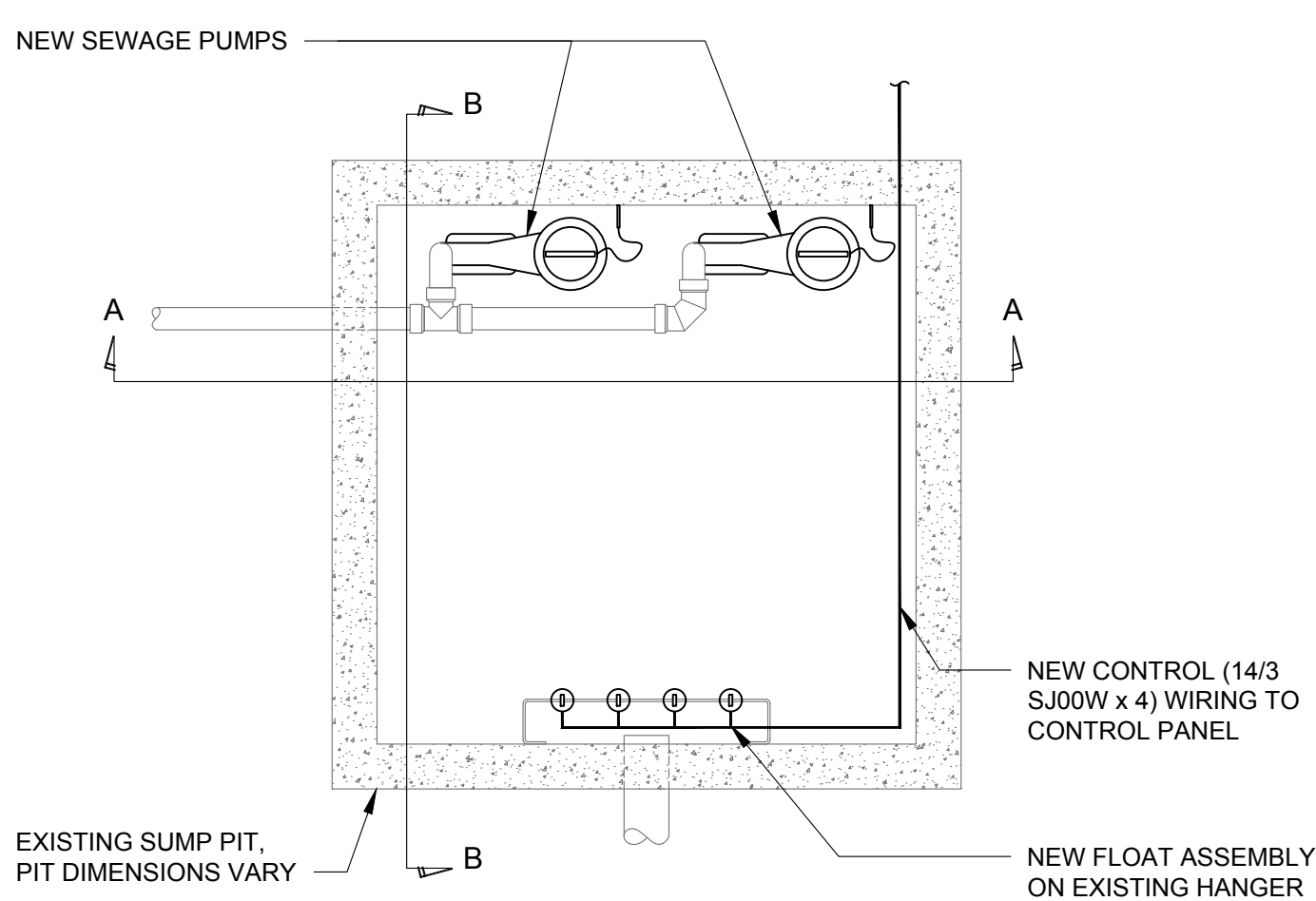
EQUIPMENT SCHEDULE						
EQUIPMENT		ELECTRICAL CHARACTERISTICS			CIRCUITRY INFORMATION	
ITEM	DESCRIPTION	HP	FLA	VOLTS/PHASE	BREAKER	DISCONNECT
SP-12	Centrifugal Inline Pump	1/3	9.4 A	120 V / 1 ph	Existing 15 A, Eaton Type QBH	N/A
SP-13A,B	Sump Pump	1/2	12 A	120 V / 1 ph	New 20 A, Westinghouse, Quick-lag C	Disconnects are integrated in existing pump control panels
SP-14A,B	Sump Pump	1/2	12 A	120 V / 1 ph		
SP-15A,B	Sump Pump	1/2	12 A	120 V / 1 ph		
SP-16A,B	Sump Pump	1/2	12 A	120 V / 1 ph		
SP-17A,B	Sump Pump	1/2	12 A	120 V / 1 ph		
SP-18A,B	Sump Pump	1/2	12 A	120 V / 1 ph		



SECTION VIEW (B-B)



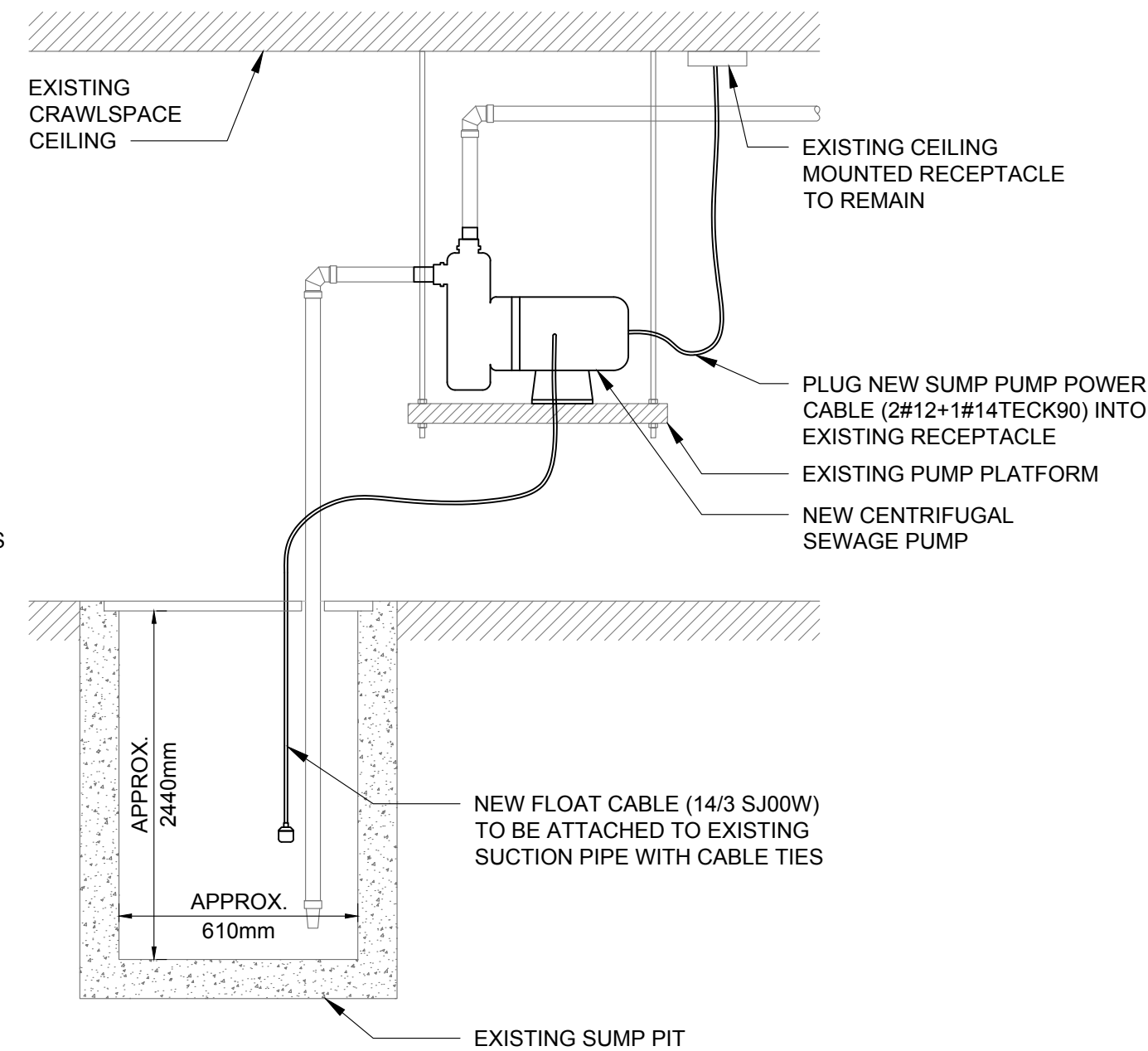
SECTION VIEW (A-A)



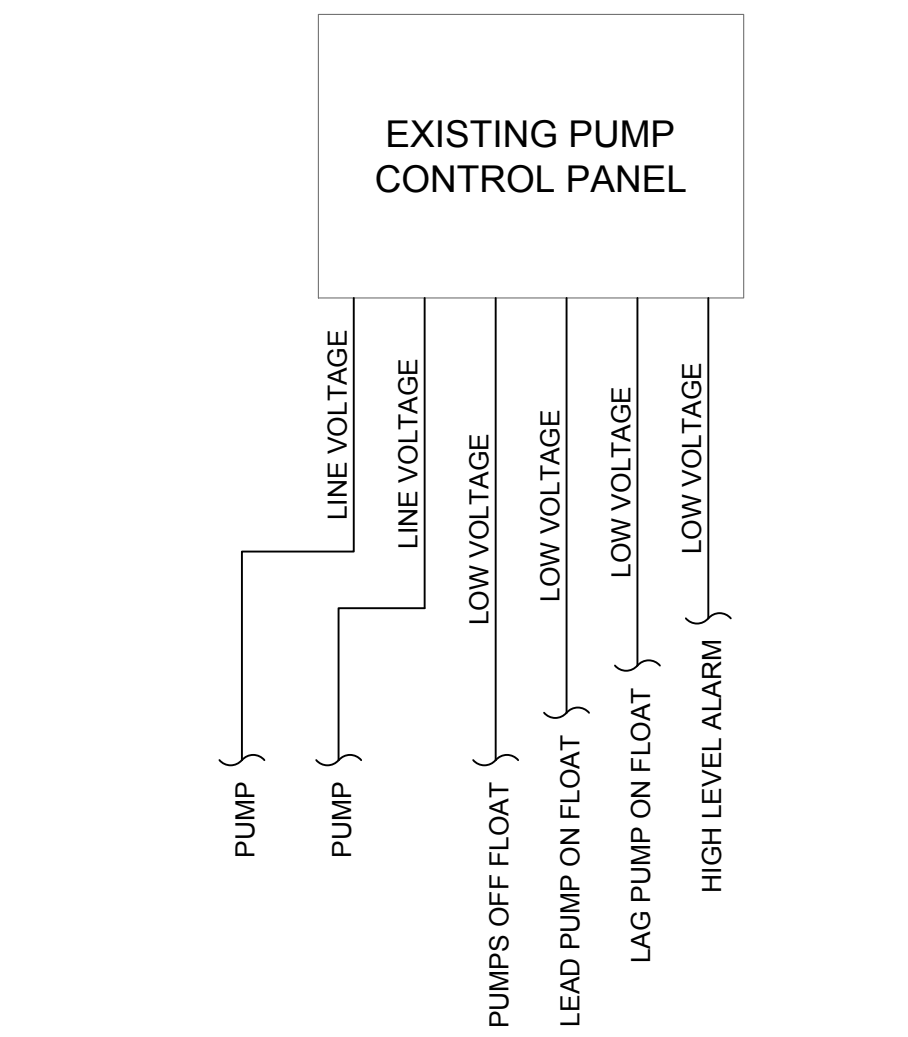
TOP VIEW

2 BOW BUILDING (SP-13 TO 18)
SUMP PUMP/PIT ELECTRICAL DETAILS
E100 SCALE: N.T.S.

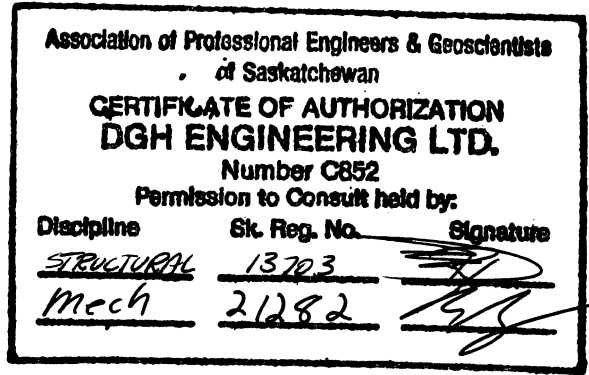
BOW BUILDING SUMP PUMP ELECTRICAL NOTES:	
1. SUPPLY AND INSTALL NEW ELECTRICAL POWER SUPPLY WIRING TO NEW BOW BUILDING SUMP PUMPS FROM EXISTING CONTROL PANELS IN 50mmØ PVC CONDUIT AS SHOWN IN DETAILS.	
2. SUPPLY AND INSTALL NEW BREAKERS IN EXISTING CONTROL PANELS AS INDICATED IN THE EQUIPMENT SCHEDULE.	
NOTE:	
REFER TO SUMP PIT ELECTRICAL PLAN FOR LOCATIONS OF NEW SUMP PUMP/FLOAT ASSEMBLIES AND CORRESPONDING CONTROL PANELS (EXISTING), (SHOWN WITH ARROW AND LABEL).	



3 KITCHEN SUMP PIT (SP-12)
ELECTRICAL DETAILS
E100 SCALE: N.T.S.



4 TYPICAL BOW BUILDING
PUMP CONTROL SCHEMATIC
E100 SCALE: N.T.S.



REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

PROFESSIONAL ENGINEER
K.A. SUSHOY
MEMBER 29400
2015-06-12
P.E. SASK. DIST.

5		
4		
3		
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ATB PLACE NORTH TOWER, 5TH FLOOR

Project Project

**CORRECTIONAL SERVICE CANADA
REGIONAL PSYCHIATRIC CENTRE
SASKATOON, SK**

Designed by DMT

Drawn by KKM

Approved by RLG

PWGSC Project Manager SHAUN HUGHES

Drawing title

Correspondent

**CRAWL SPACE PLUMBING
ASSESSMENT & REPAIR,
SASKATOON, SK**

**ELECTRICAL CONSTRUCTION
PLANS & DETAILS**

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.100531.001	E100 OF 9	R00

0 10 20 30 40 50 60 70 80 90 100mm

1020-036 E100