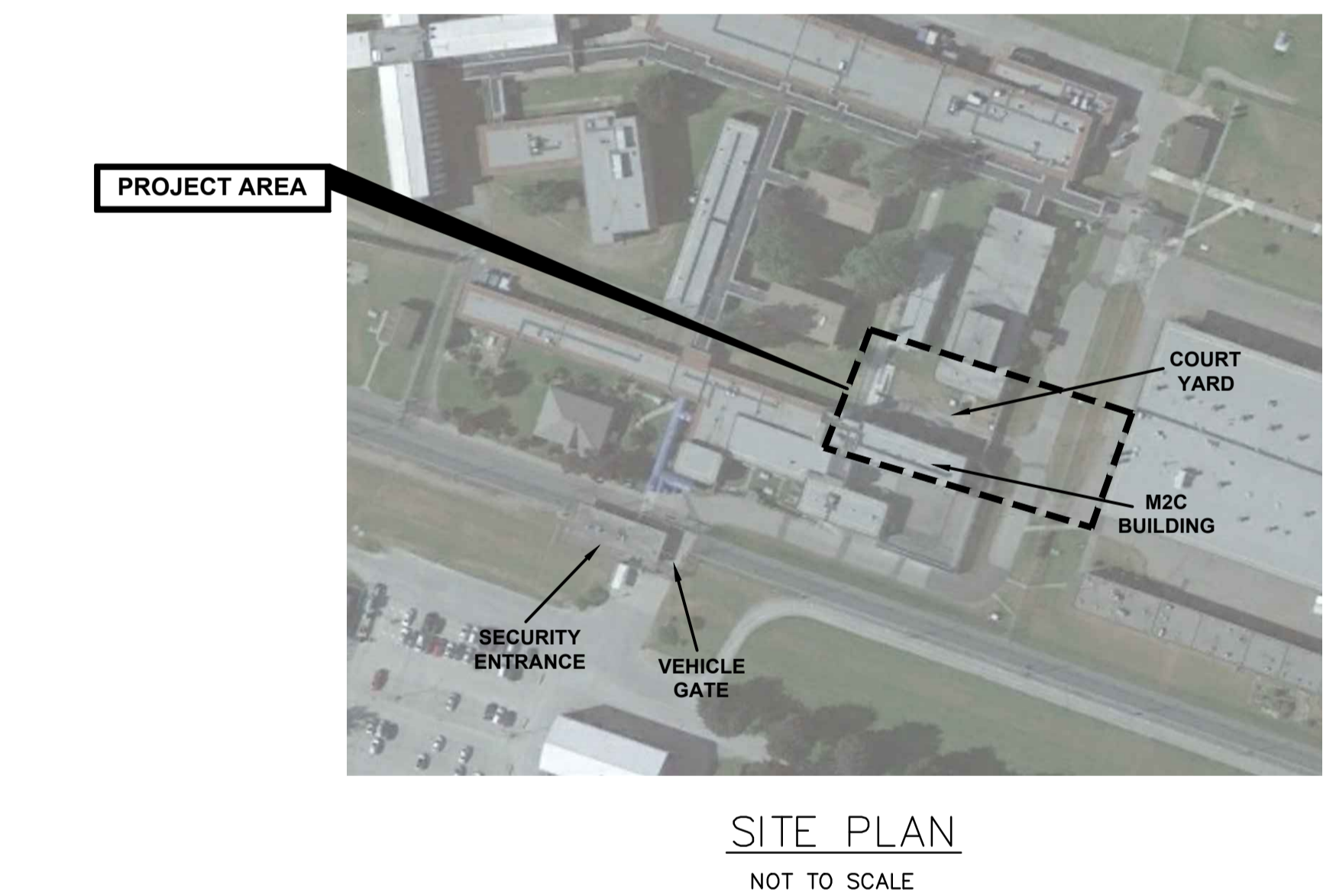
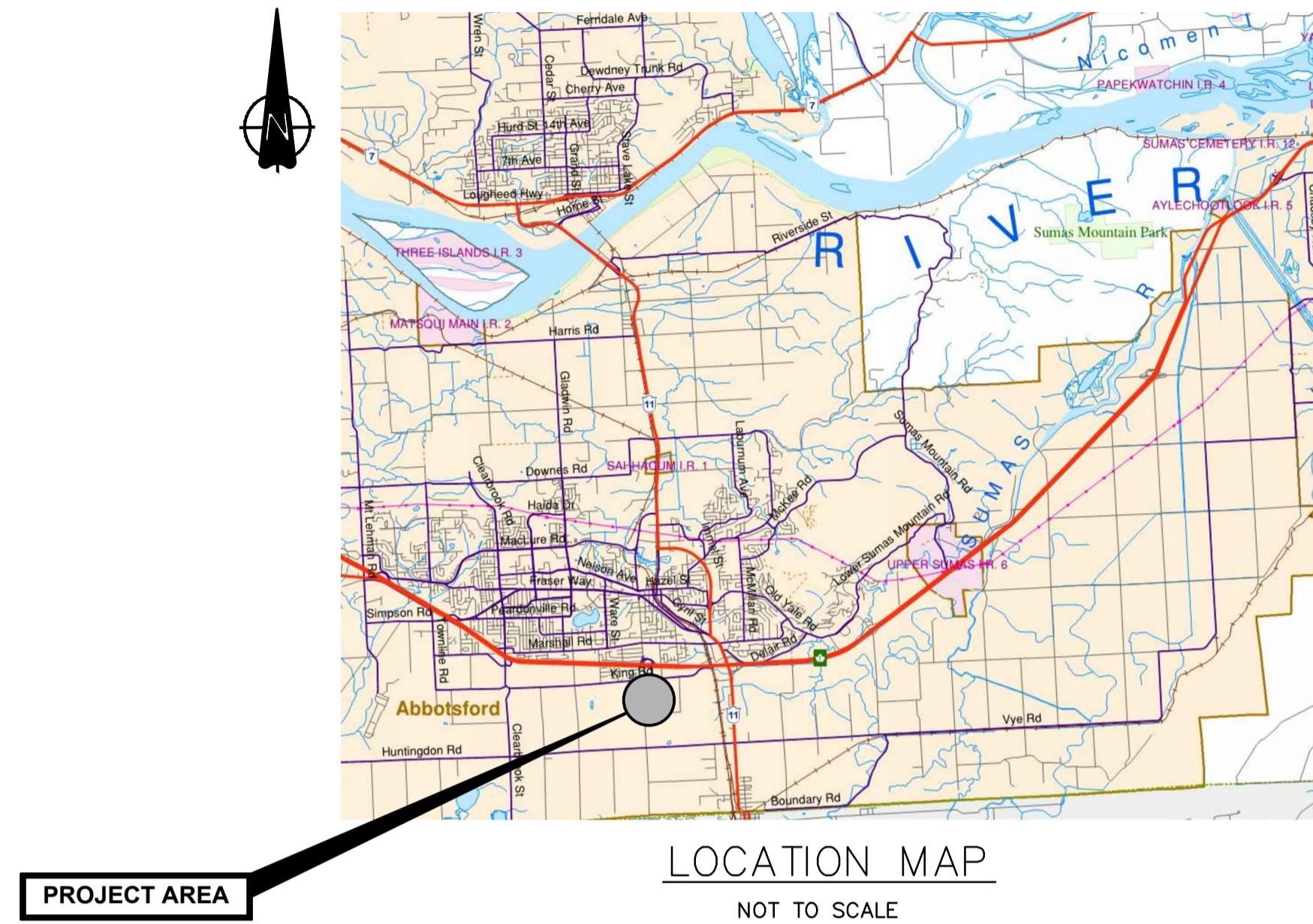
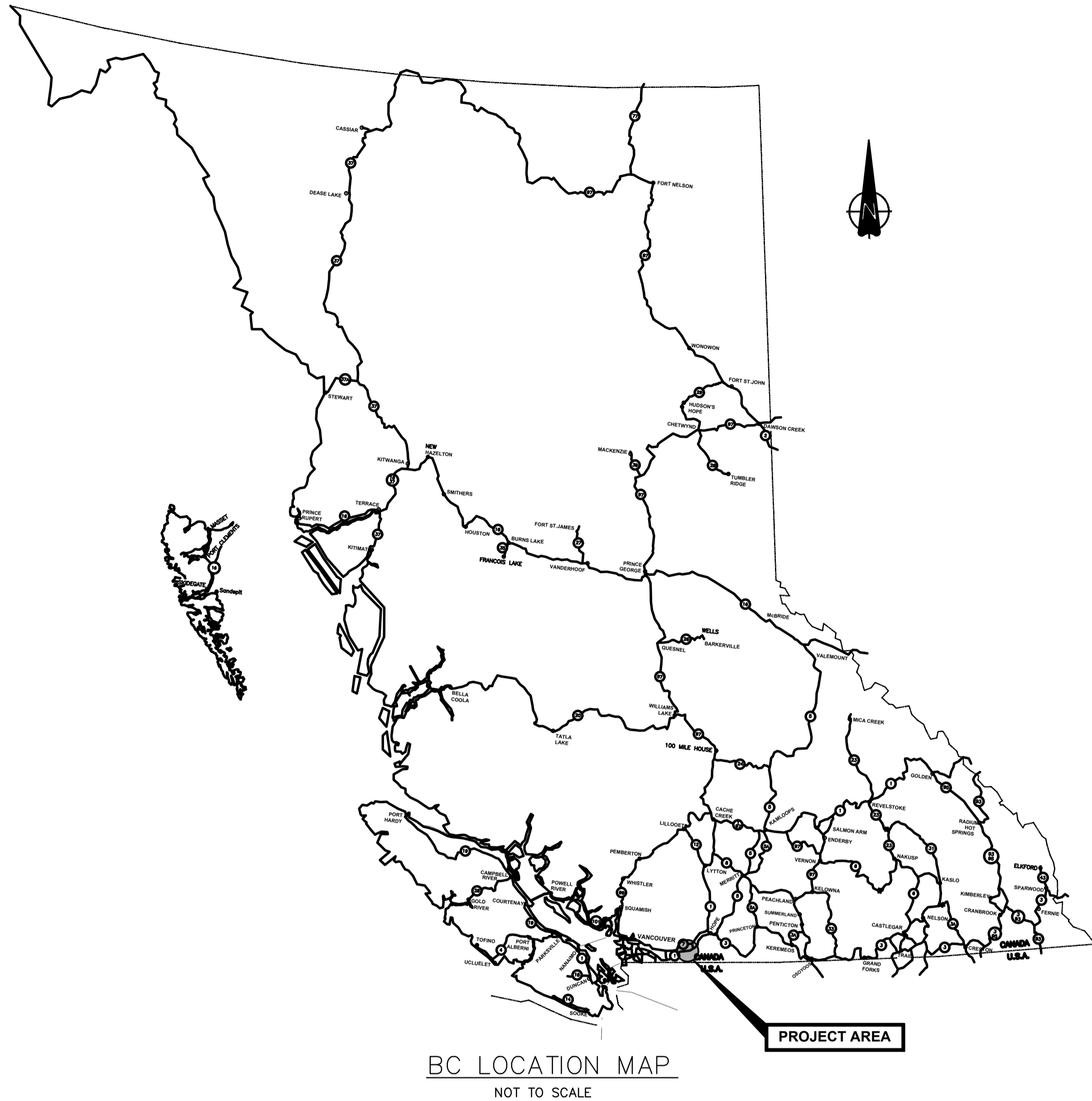


MATSQUI M2C EXCAVATION AND SEWER REPAIR



DRAWING NOTES - GENERAL

- THE CONTRACTOR SHALL CONTACT THE SITE REPRESENTATIVE TO ARRANGE A PRE-CONSTRUCTION MEETING PRIOR TO THE START OF CONSTRUCTION.
- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH:
 - CONSTRUCTION PLANS, ACCEPTED AND SIGNED BY THE OWNER;
 - APPLICABLE CONTRACT DOCUMENTS AND ALL SPECIFICATIONS REFERENCED THEREIN;
 - WORKSAFEBC, LATEST EDITION.
 THE CONTRACTOR SHALL MAINTAIN ON SITE COPIES OF THE ABOVE DOCUMENTS AND SHALL ENSURE THAT ALL TRADES ARE THOROUGHLY FAMILIAR WITH THE APPLICABLE SECTIONS OF THE DOCUMENTS.
- THE CONTRACTOR SHALL EXPOSE AND VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING SERVICES IN THE FIELD PRIOR TO CONSTRUCTION, AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES, CONFLICTS, OR OMISSIONS PRIOR TO CONSTRUCTION. NO PAYMENT WILL BE MADE FOR REGRADING OR REPLACING UTILITIES THAT ARE FOUND TO BE IN CONFLICT WHERE PRE-LOCATING WAS NOT PERFORMED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL ENSURE THAT ALL APPROVALS REQUIRED FOR THE PROPOSED WORKS HAVE BEEN OBTAINED FROM ALL AUTHORITIES AND AGENCIES PRIOR TO COMMENCING THE WORK.
- THE CONTRACTOR SHALL REPAIR TO ORIGINAL CONDITION OR REPLACE ANY EXISTING STREETS, SERVICES, LANDSCAPING, FENCING, OR SITE IMPROVEMENTS THAT MAY BE DAMAGED AS A RESULT OF CONSTRUCTION. REPAIRS TO EXISTING SERVICES SUCH AS WATER, SANITARY SEWER, HOT WATER HEAT, STORM SEWER, FIBRE, AND ELECTRICAL OR SITE LIGHTING SHALL BE MADE BY THE CONTRACTOR AT NO COST TO THE OWNER.
- ALL TESTING OF MATERIALS AND COMPACTION SHALL BE PERFORMED BY A GEOTECHNICAL ENGINEER UNDER THE DIRECTION OF THE SITE REPRESENTATIVE. COPIES OF REPORTS AND TEST RESULTS SHALL BE SUBMITTED TO THE DEPARTMENTAL REPRESENTATIVE, AS WORK PROGRESSES OR AS REQUESTED.
- CONTRACTOR SHALL EXPOSE EXISTING UTILITIES 72 HOURS PRIOR TO CONSTRUCTION AND CONFIRM EXISTING PROFILE AND REPORT ANY AS FOUND DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE.
- ALL CONCRETE AND ASPHALT TO BE SAW CUT TO FACILITATE NEW CONSTRUCTION AND DISTURBED SURFACES TO BE RESTORED TO EXISTING CONDITION OR BETTER.
- WORK SHALL BE UNDERTAKEN TO PREVENT THE RELEASE OF SEDIMENTS, SILTS, SEDIMENT LADEN DISCHARGES, AND OTHER DELETERIOUS SUBSTANCES TO ANY DRAINAGE SYSTEM OR WATERCOURSE. SEDIMENT CONTROL MEASURES SHALL COMPLY AS OUTLINED IN THE BCMOE LAND DEVELOPMENT GUIDELINES, AS A MINIMUM.
- ALL BUILDING SERVICE LOCATIONS ARE FROM FIELD MEASUREMENTS, AND ARE NOT GUARANTEED AS TO THEIR ACCURACY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL SERVICES IN ADVANCE IN THE FIELD.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, AND FOR COORDINATING THE VARIOUS PARTS OF WORK. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THERE IS NO DISRUPTION TO SERVICE, AND IF DISRUPTION IS ANTICIPATED, TO NOTIFY THE DEPARTMENT REPRESENTATIVE A MINIMUM OF 72 HOURS PRIOR, AND OBTAIN APPROVAL FOR THE DISRUPTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL EXCAVATED MATERIAL UNSUITABLE FOR REUSE AT A SUITABLE OFF-SITE DISPOSAL AREA, IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
- THE CONTRACTOR SHALL ENSURE THAT THE WORK AREA AND ADJACENT SURFACES ARE KEPT CLEAN AND FREE OF EQUIPMENT AND MATERIALS AT ALL TIMES WHEN CONSTRUCTION ACTIVITY IS NOT UNDERWAY.
- ALL PROPOSED GRADING SHALL MEET EXISTING ADJACENT GROUND SURFACE ELEVATIONS UNLESS OTHERWISE NOTED. ANY DEFECTS SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE TIE-INS AND CONNECTIONS TO EXISTING SANITARY SEWERS TO BE PERFORMED BY THE CONTRACTOR UNDER THE DIRECT SUPERVISION OF THE DEPARTMENTAL REPRESENTATIVE. A MINIMUM 72 HOURS NOTICE TO BE GIVEN FOR ANY TIE-IN.
- NEW SEWER LINES MUST BE VIDEO INSPECTED, TESTED AND FLUSHED.
- MANHOLE RIM ELEVATIONS IN OFF-ROAD AREAS SHALL BE SET 50mm ABOVE ADJACENT GROUND TO PREVENT INFILTRATION FROM SURFACE PONDING.

ISL ENGINEERING DRAWING INDEX

SHEET No.	DESCRIPTION
01 of 05	COVER SHEET / LOCATION PLAN & DRAWING INDEX
02 of 05	SANITARY SEWER REPLACEMENT - PRE-LOCATE PLAN
03 of 05	SANITARY SEWER REPLACEMENT - PLAN & PROFILE
04 of 05	SANITARY SEWER REPLACEMENT - DETAILS 1 OF 2
05 of 05	SANITARY SEWER REPLACEMENT - DETAILS 2 OF 2

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Revision/Revisions	Description/Description	Date/Date
3	ISSUED FOR TENDER	20/12/15
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1	66% DESIGN	20/10/27

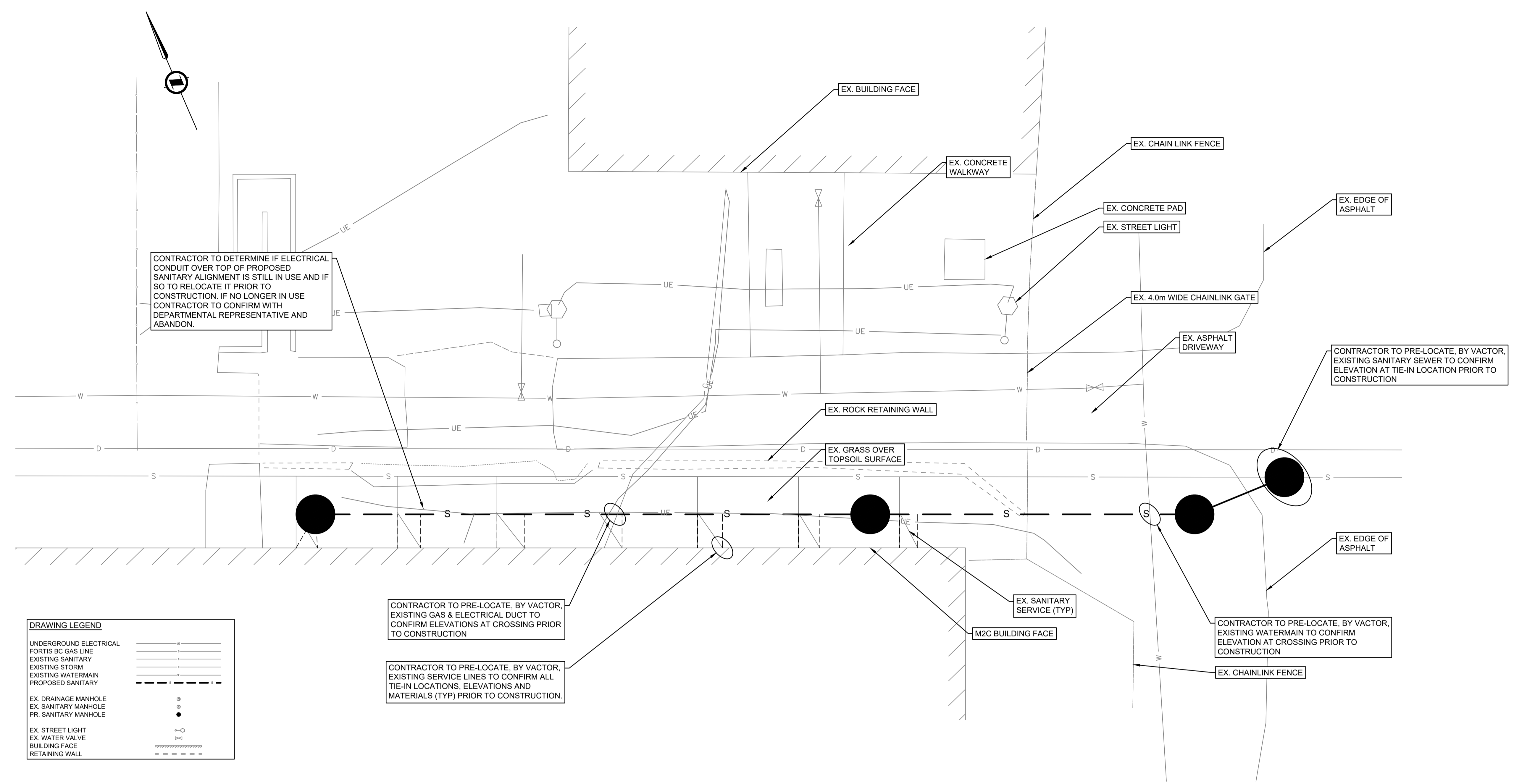
Client/Client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA
 219 - 800 BARRARD STREET
 VANCOUVER, BC, V6Z 0B9

Project title/Titre du projet
MATSQUI M2C EXCAVATION AND SEWER REPAIRS

Consultant Signature Only
 S. CLARK
 Designed by/Concept par
 S. CLARK
 Drawn by/Dessiné par
 S. CLARK
 PWGSC Project Manager/Administrateur de Projets TPSGC
 P. TSAI
 Regional Manager, Architectural and Engineering Services
 Gestionnaire régionale, Services d'architecture et de génie, TPSGC

Drawing title/Titre du dessin
COVER SHEET

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.102679.001	01 OF 05	3



PLAN
SCALE 1:100



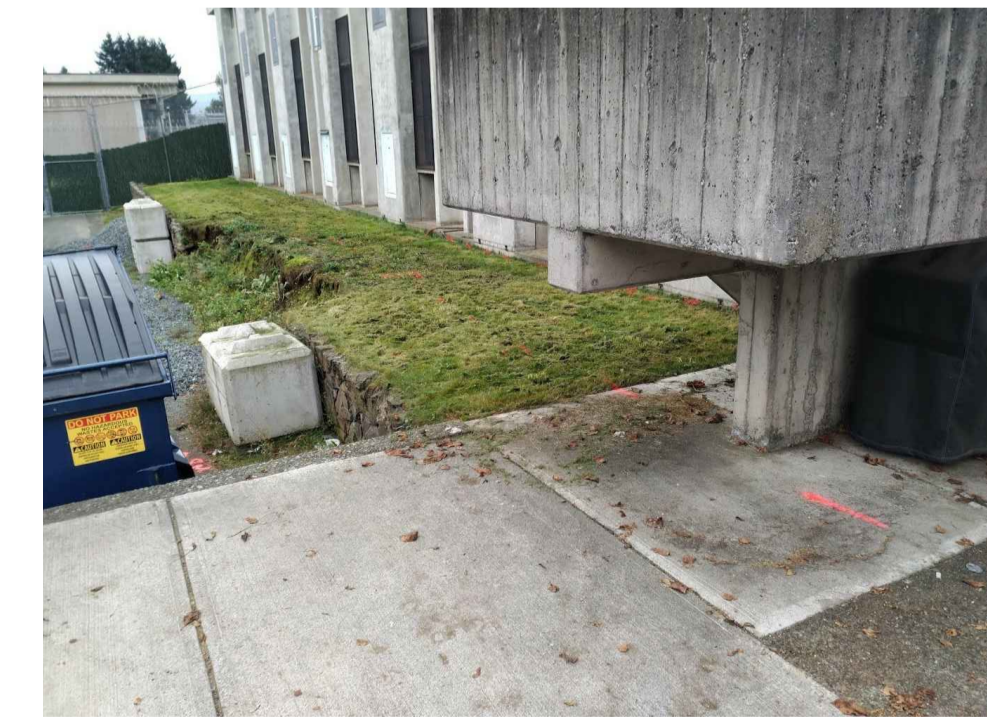
SITE PHOTO #1
GATE, FENCE, ROCK WALL LOOKING EAST



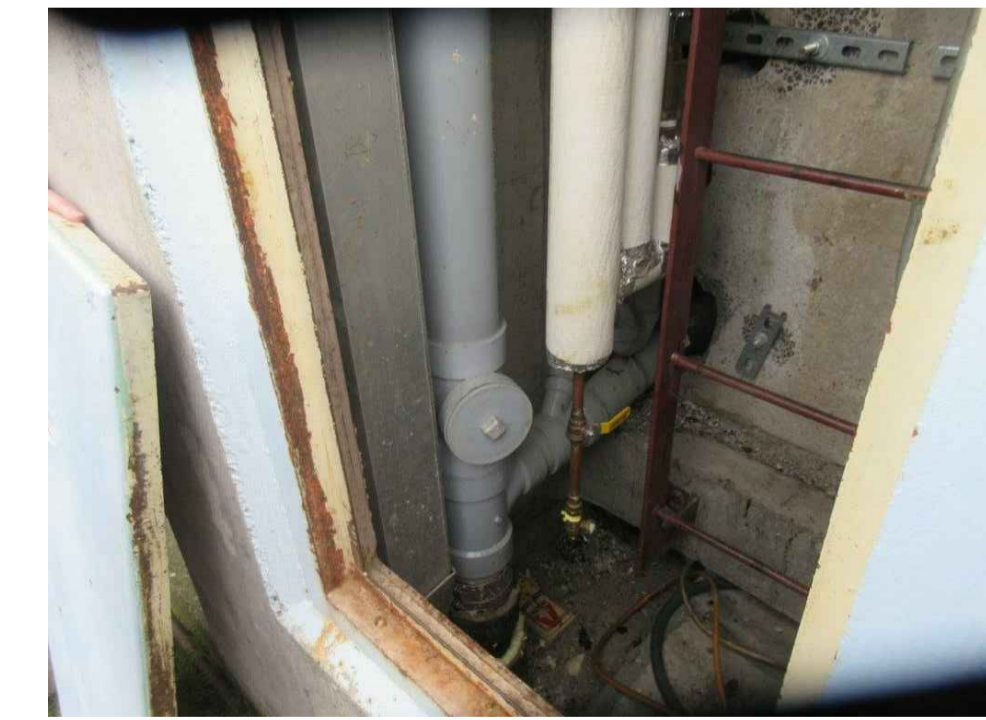
SITE PHOTO #2
DAMAGED SECTION OF ROCK WALL



SITE PHOTO #3
ROCK WALL, STAIRS, DRIVEWAY LOOKING WEST



SITE PHOTO #4
BERM, WALL, BUILDING FACE LOOKING EAST



SITE PHOTO #5
INSIDE MECHANICAL ACCESS

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-	-	-
-	-	-
-	-	-
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1	99% DESIGN	2011/23

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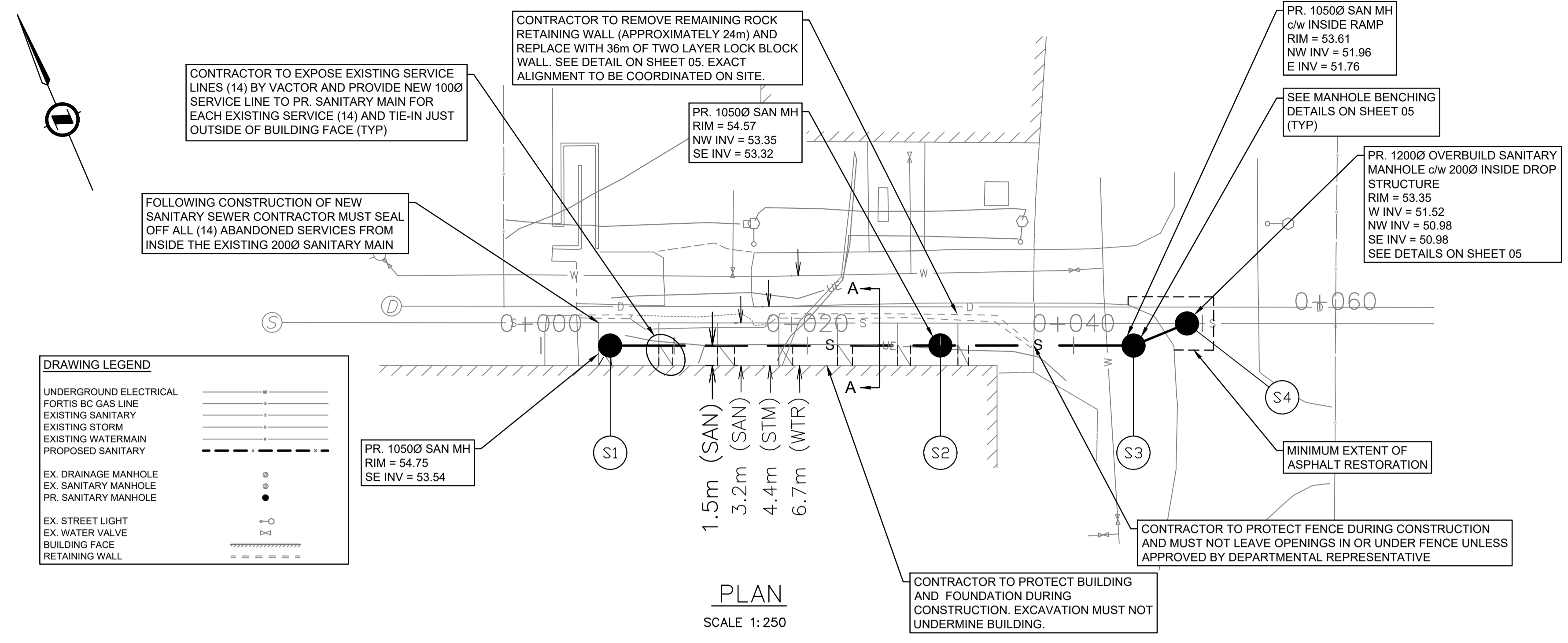
MATSQUI M2C EXCAVATION AND SEWER REPAIRS

Consultant Signature Only
S. CLARK
Designed by/Concept par
S. CLARK
Drawn by/Dessiné par
S. CLARK
PWGSC Project Manager/Administrateur de Projets TPSOC
P. TSAI
Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSOC

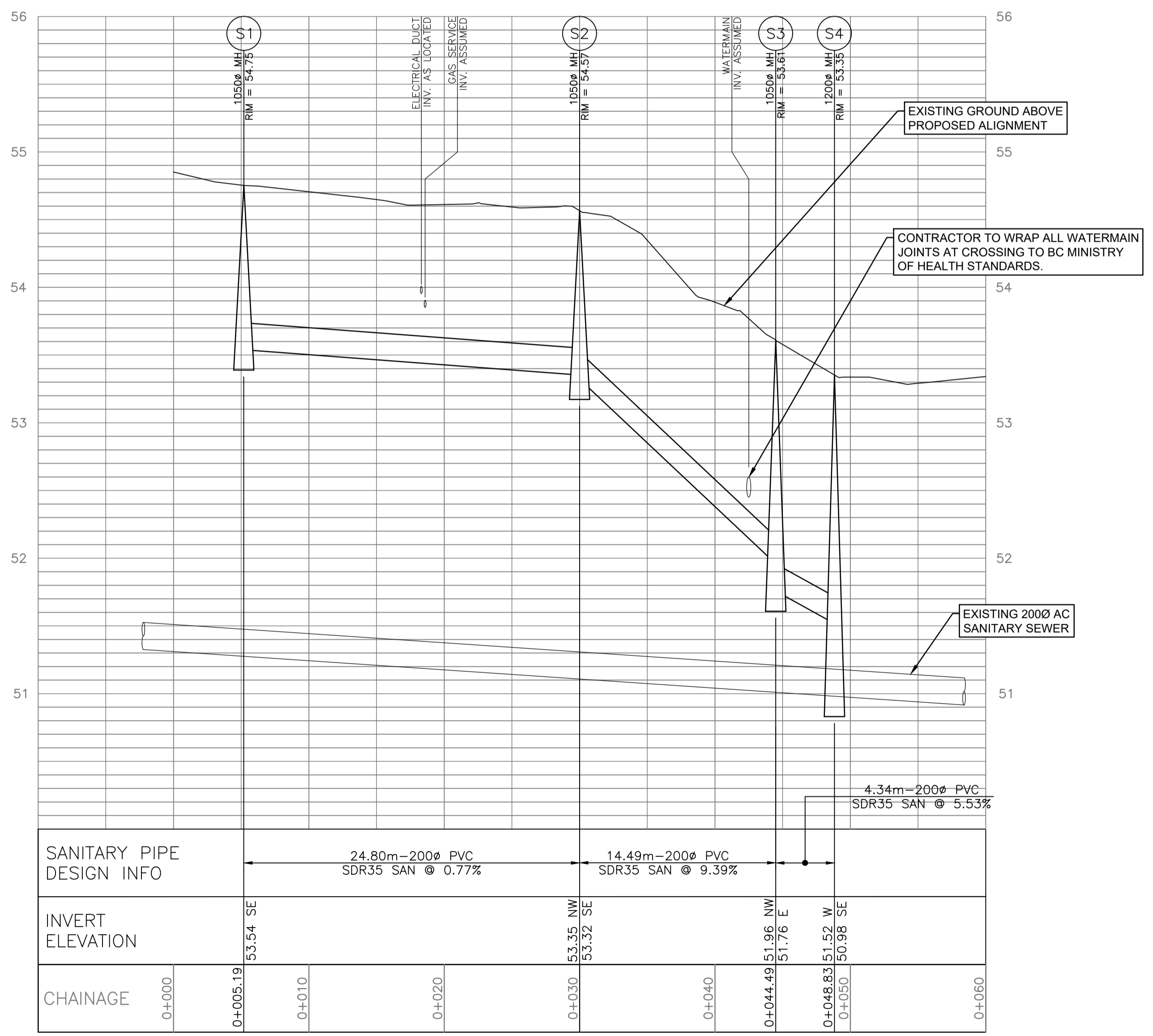
Drawing title/Titre du dessin
SANITARY SEWER REPLACEMENT PRE-LOCATE PLAN

Project No./No. du projet R.102679.001	Sheet/Feuille 02 OF 05	Revision no./La Révision no. 2
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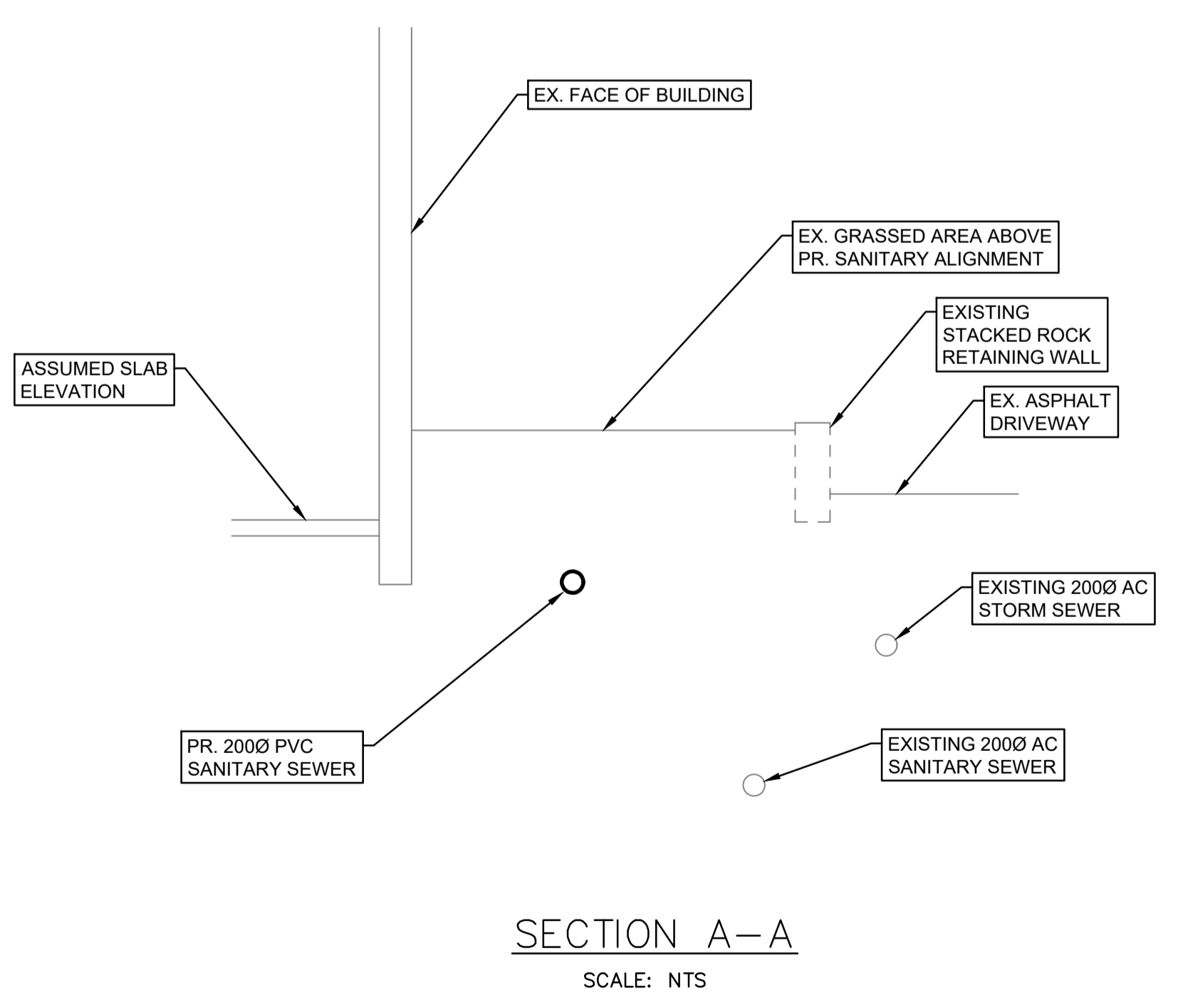
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PLAN
SCALE 1:250



PROFILE
SCALE 1:250 HORIZONTAL
1:25 VERTICAL



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Revision	Description/Description	Date/Date
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1	66% DESIGN	20/10/27

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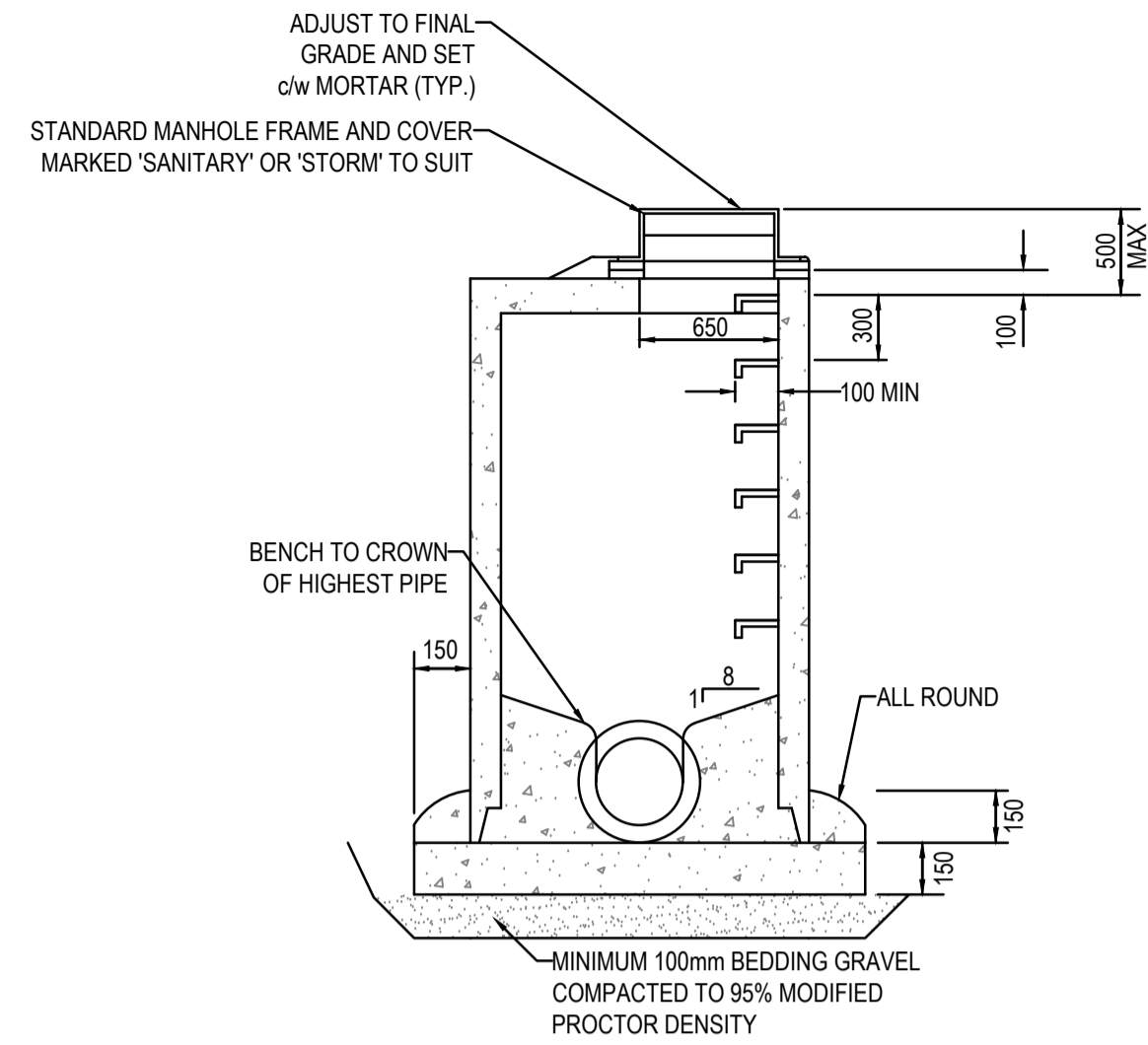
MATSQUI M2C EXCAVATION AND SEWER REPAIRS

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 S. CLARK
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 S. CLARK
 Drawn by/Dessiné par
 S. CLARK
 PWGSC Project Manager/Administrateur de Projets TPS/SC
 P. TSAI
 Regional Manager, Architectural and Engineering Services
 Gestionnaire régionale, Services d'architecture et de génie, TPS/SC

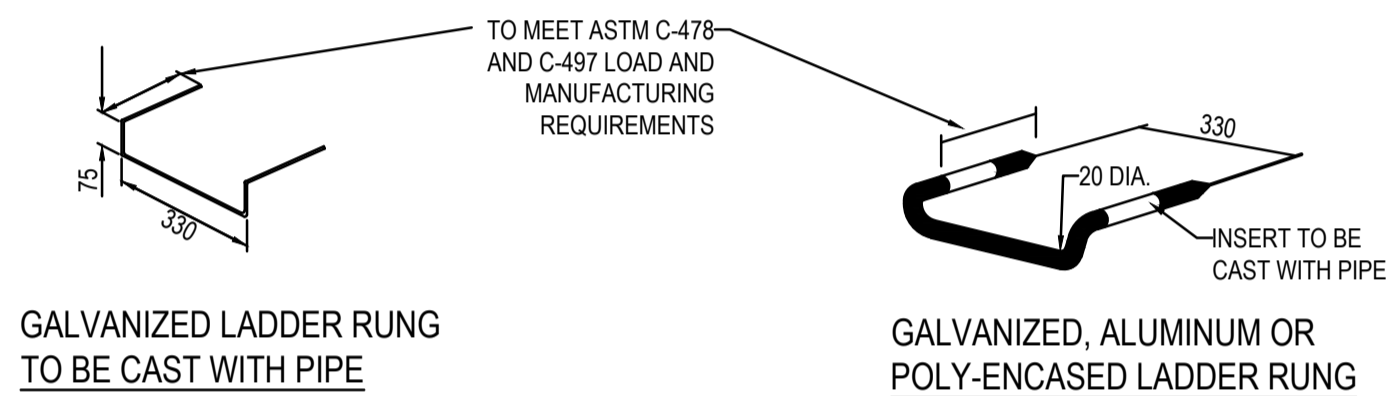
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SANITARY SEWER REPLACEMENT PLAN & PROFILE

Project No./No. du projet R.102679.001	Sheet/Feuille 03 OF 05	Revision no./La Révision no. 3
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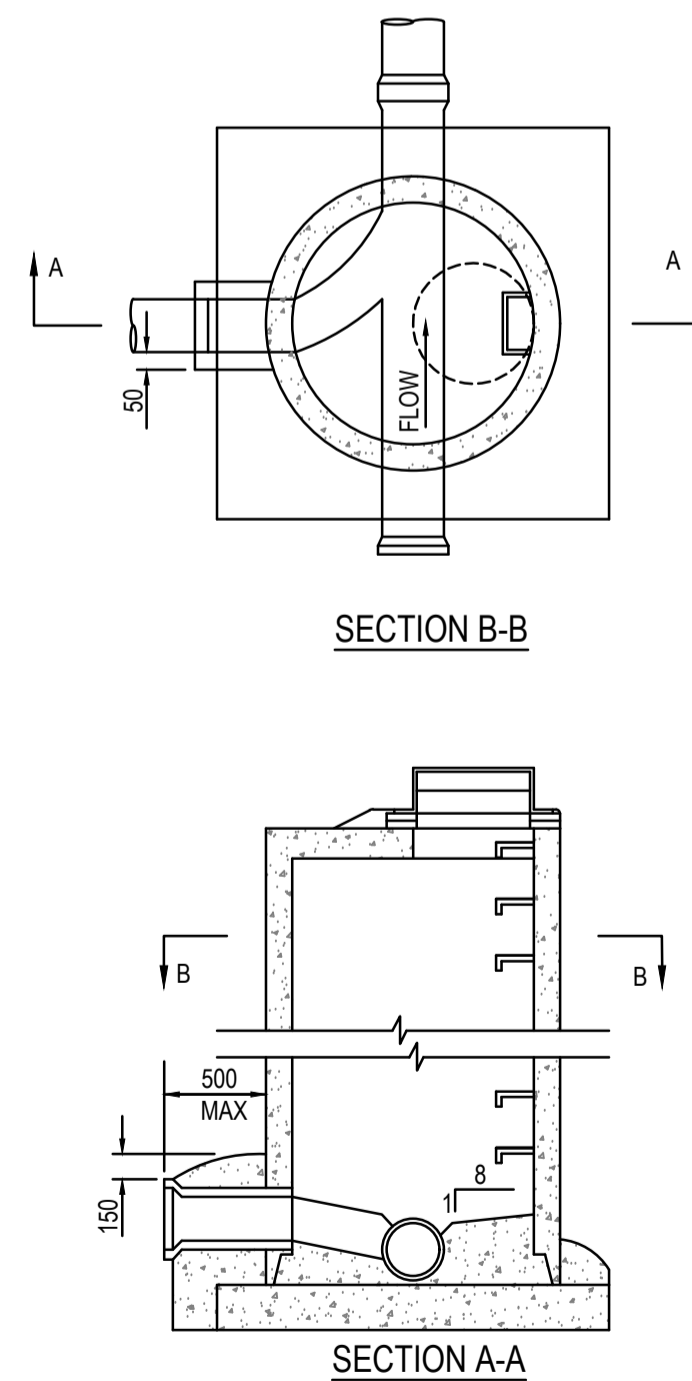


STANDARD 1200mm MANHOLE



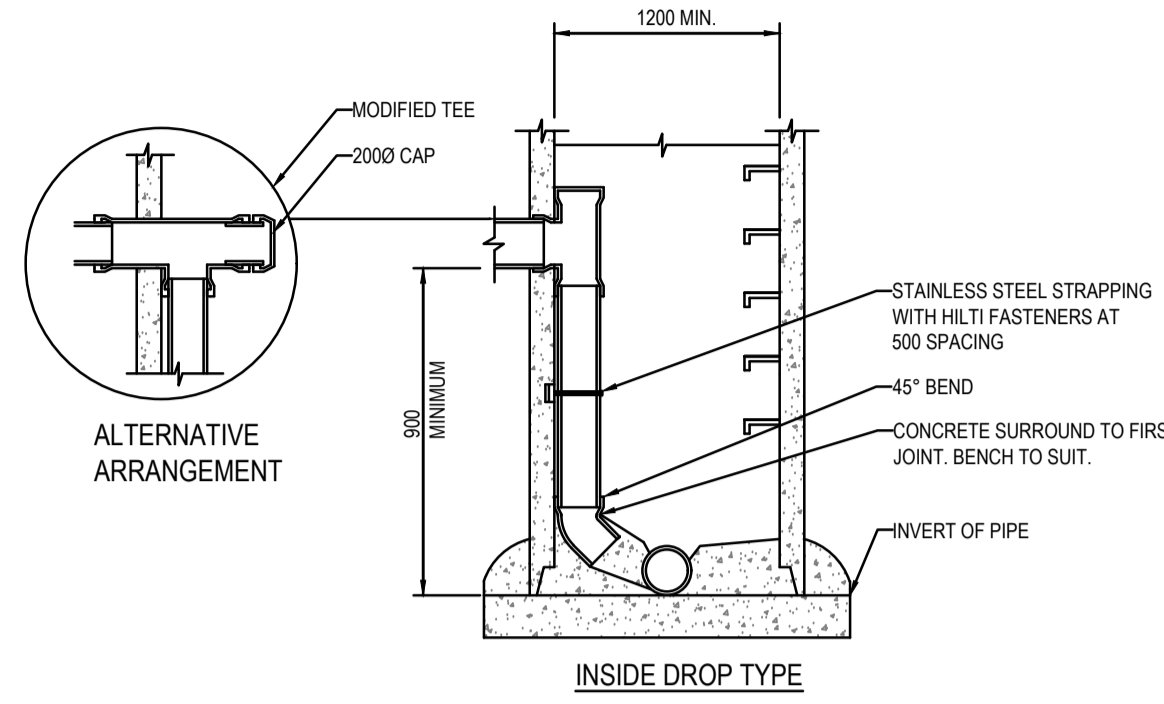
- NOTE:
1. DETAILS ARE DRAWN FOR PRECAST RISERS ON CAST-IN-PLACE BASE. PRECAST BASES APPROVED BY DEPARTMENTAL REPRESENTATIVE ARE ACCEPTABLE
 2. MAXIMUM DEPTH TO FIRST RUNG IS 500mm. WHEN HAND HOLD IS INSTALLED BETWEEN TOP AND FIRST RUNG, MAXIMUM DEPTH MAY BE INCREASED TO 660mm
 3. FOR MANHOLES OVER 1200mm DIA. BASE THICKNESS TO BE 200mm.
 4. REFER TO STANDARD MANHOLE CONNECTION DETAILS
 5. REFER TO CONTRACT DOCUMENTS FOR DETAILED SPECIFICATIONS.

STANDARD MANHOLES
SCALE: NTS



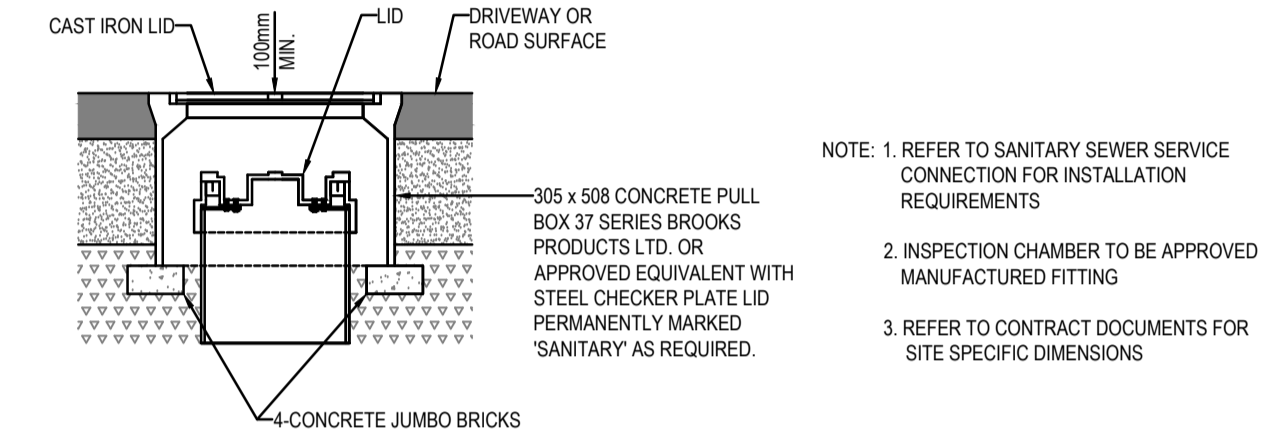
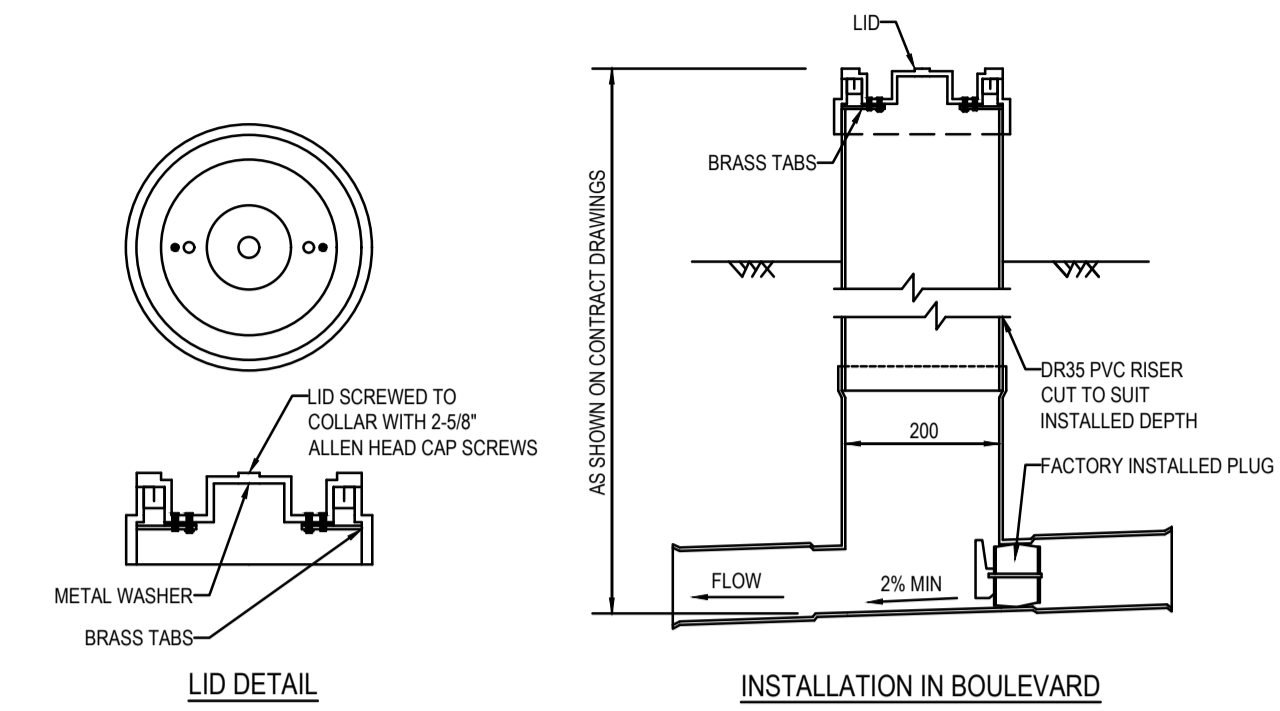
- NOTE:
1. THIS DETAIL SHOWS CONNECTION DETAILS ONLY. REFER TO STANDARD MANHOLE CONNECTION DETAILS FOR ALL OTHER DETAILS PERTAINING TO MANHOLE REQUIREMENTS AND INSTALLATION.
 2. REFER TO CONTRACT DOCUMENTS FOR DETAILED SPECIFICATIONS

STANDARD MANHOLE CONNECTION DETAIL
SCALE: NTS

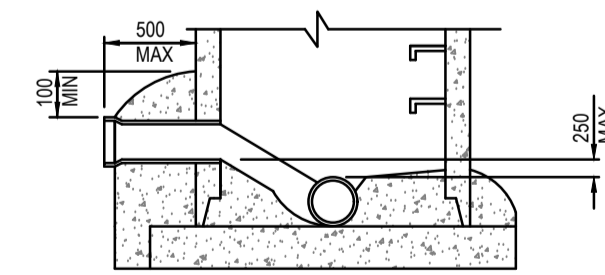


- NOTES:
1. INSIDE DROP TO BE USED ONLY WHERE SPECIFIED BY DEPARTMENTAL REPRESENTATIVE
 2. ALL INSIDE PIPE AND FITTINGS PVC DR 28/35
 3. THIS DRAWING SHOWS INSIDE DROP ONLY. SEE STANDARD AND SUMP MANHOLES FOR ALL OTHER DETAILS PERTAINING TO MANHOLE REQUIREMENTS
 4. REFER TO CONTRACT DOCUMENTS FOR DETAILED SPECIFICATIONS

INSIDE DROP MANHOLE
SCALE: NTS

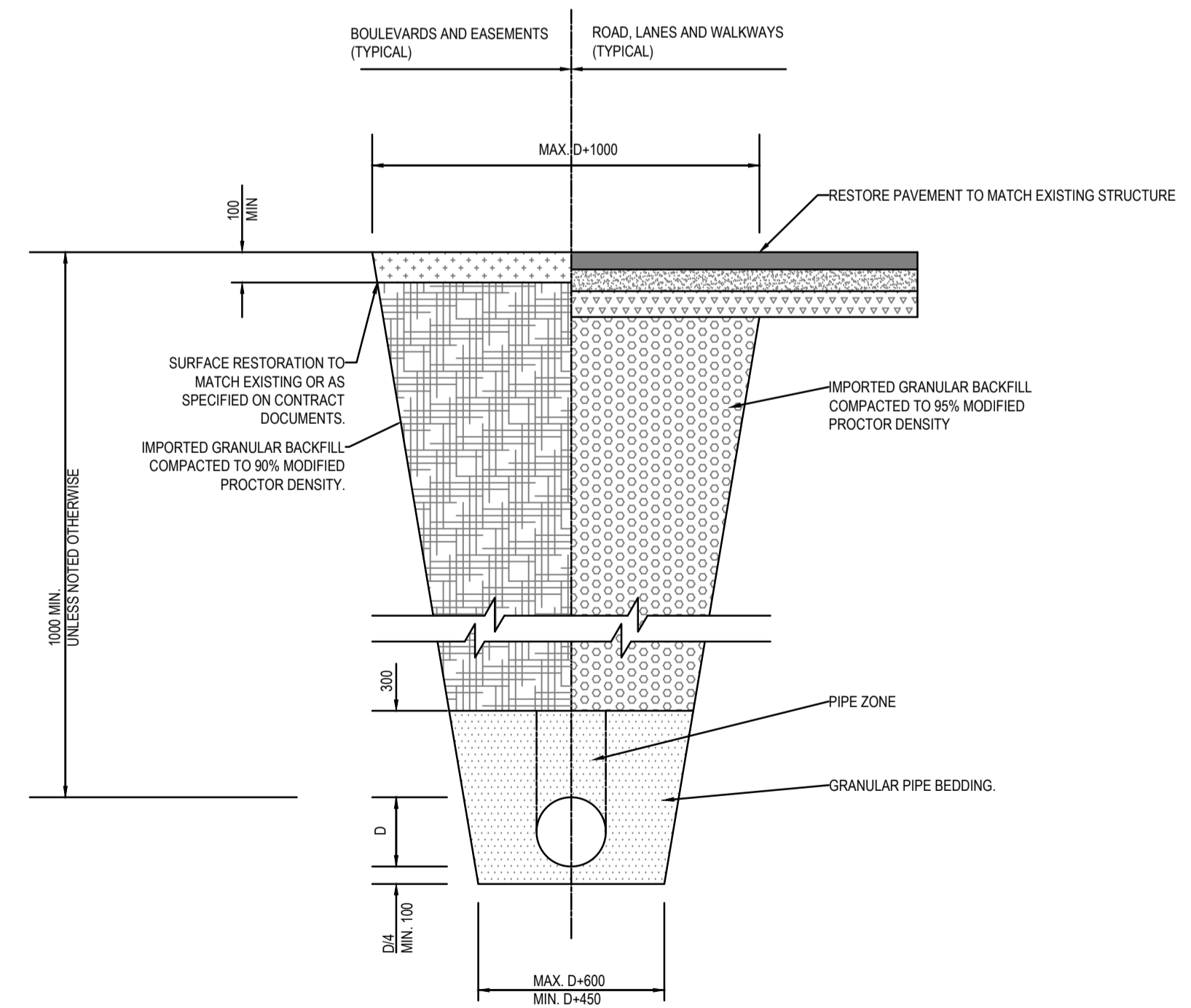


INSPECTION CHAMBER FOR SEWER CONNECTION
SCALE: NTS



- NOTE:
1. THIS DETAIL SHOWS CONNECTIONS DETAILS ONLINE. REFER TO STANDARD MANHOLE CONNECTION DETAILS FOR ALL OTHER DETAILS PERTAINING TO MANHOLE REQUIREMENTS AND INSTALLATION.
 2. REFER TO CONTRACT DOCUMENTS FOR DETAILED SPECIFICATIONS.

MANHOLE CONNECTION DETAIL - INSIDE RAMP TYPE
SCALE: NTS



- NOTE:
1. TRENCHING TO COMPLY WITH ALL REQUIREMENTS OF WORKSAFEBC.
 2. REFER TO CONTRACT DOCUMENTS FOR DETAILED SPECIFICATIONS.

UTILITY TRENCH
SCALE: NTS

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-	-	-
-	-	-
-	-	-
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2	ISSUED FOR TENDER	2012/15
1	99% DESIGN	2011/23

Client/Client

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

219 - 800 BURRARD STREET
VANCOUVER, BC, V6Z 0B9

Project title/Titre du projet

MATSQUI M2C EXCAVATION AND SEWER REPAIRS

Consultant Signature Only
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S. CLARK

Drawn by/Dessiné par
S. CLARK

PWGSC Project Manager/Administrateur de Projets TPSGC
P. TSAI

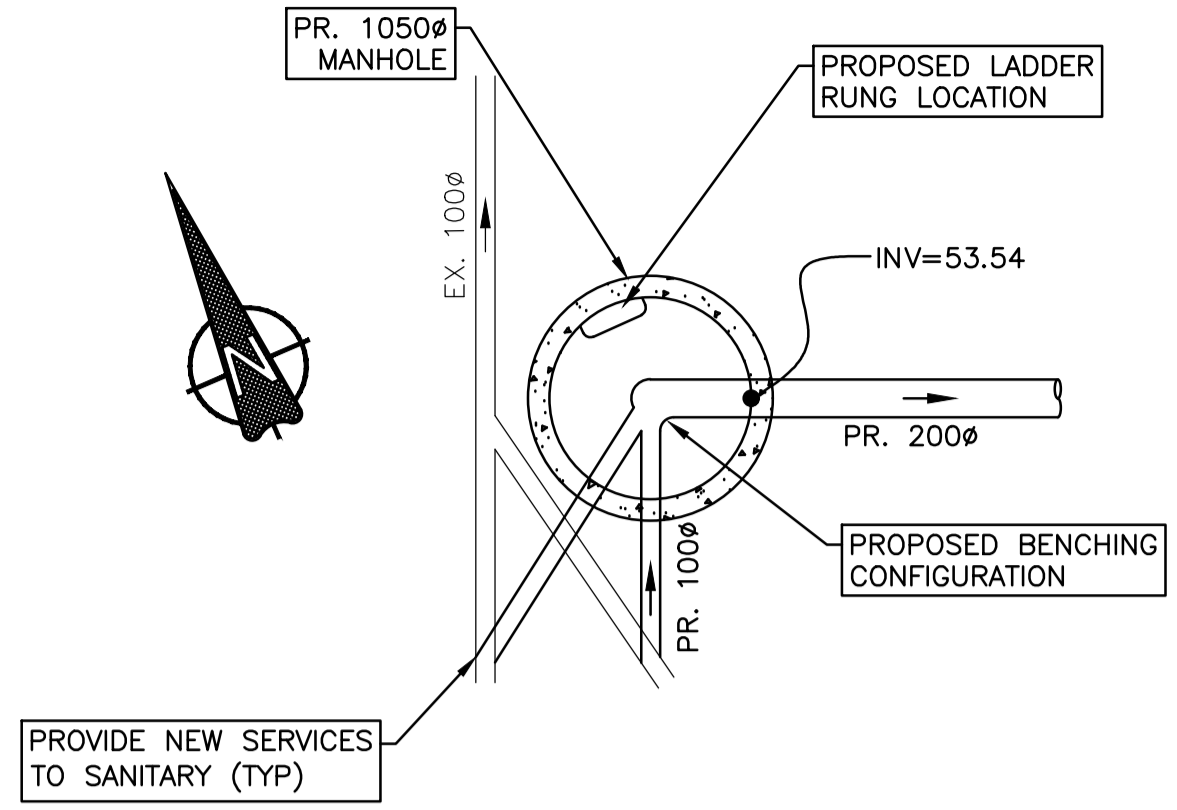
Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC

Drawing title/Titre du dessin

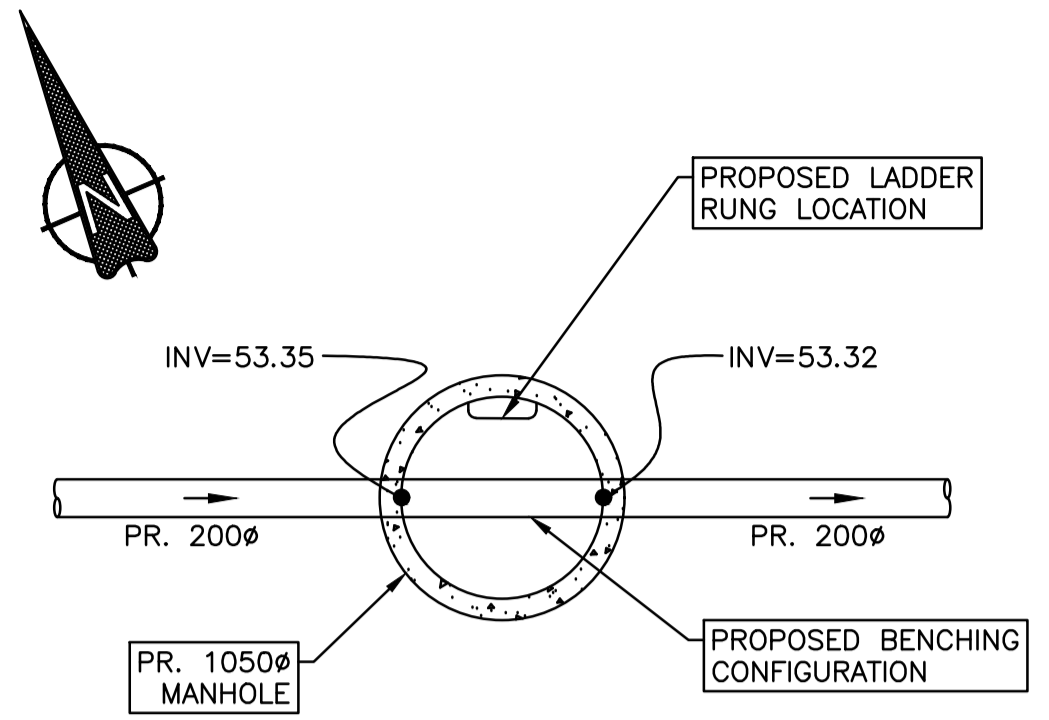
SANITARY SEWER REPLACEMENT DETAILS 1 OF 2

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.102679.001	04 OF 05	2

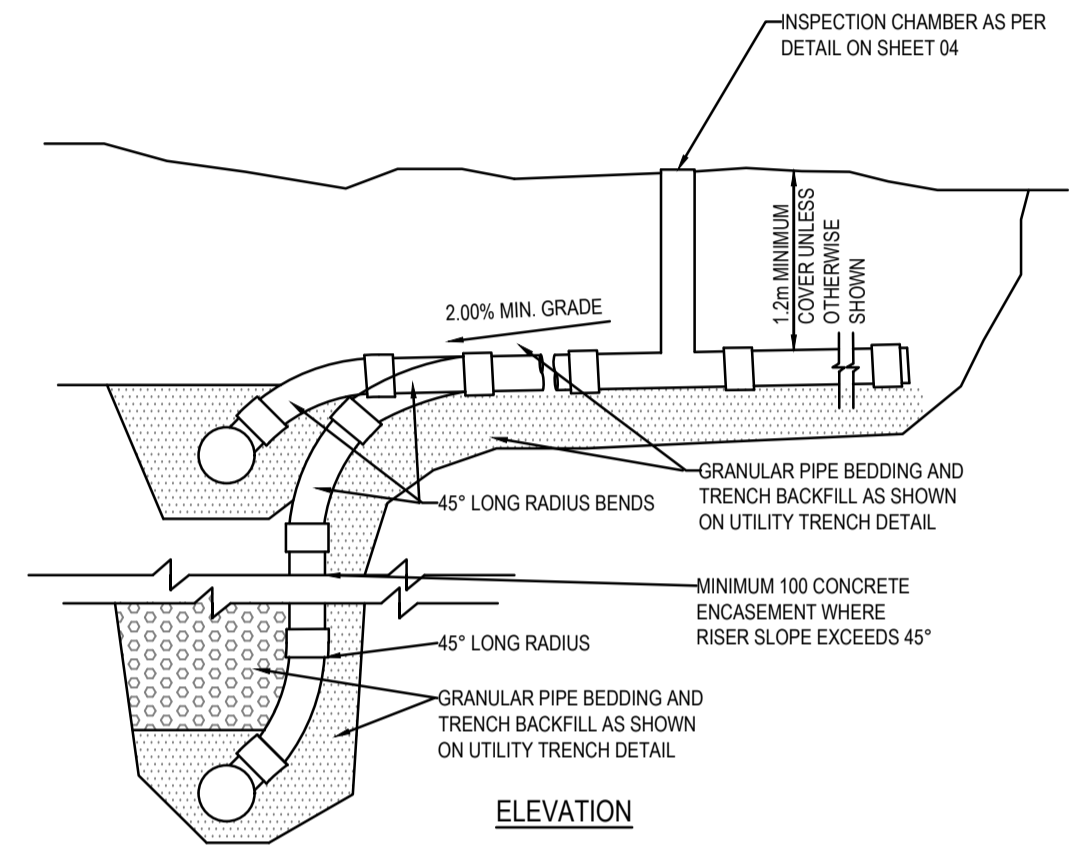
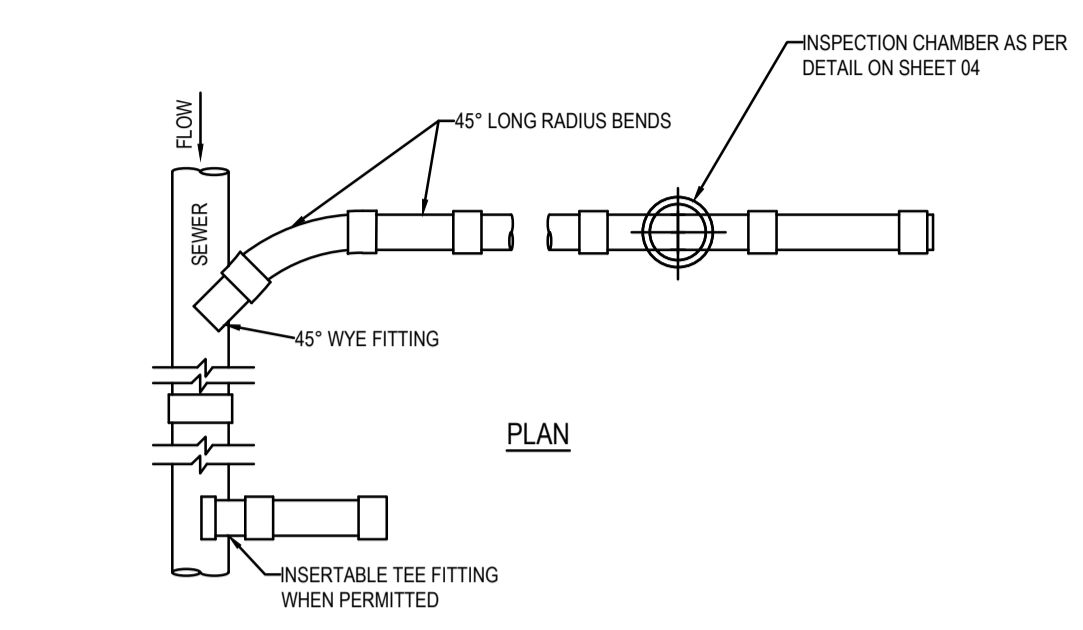
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MANHOLE S1 DETAIL
SCALE 1:40

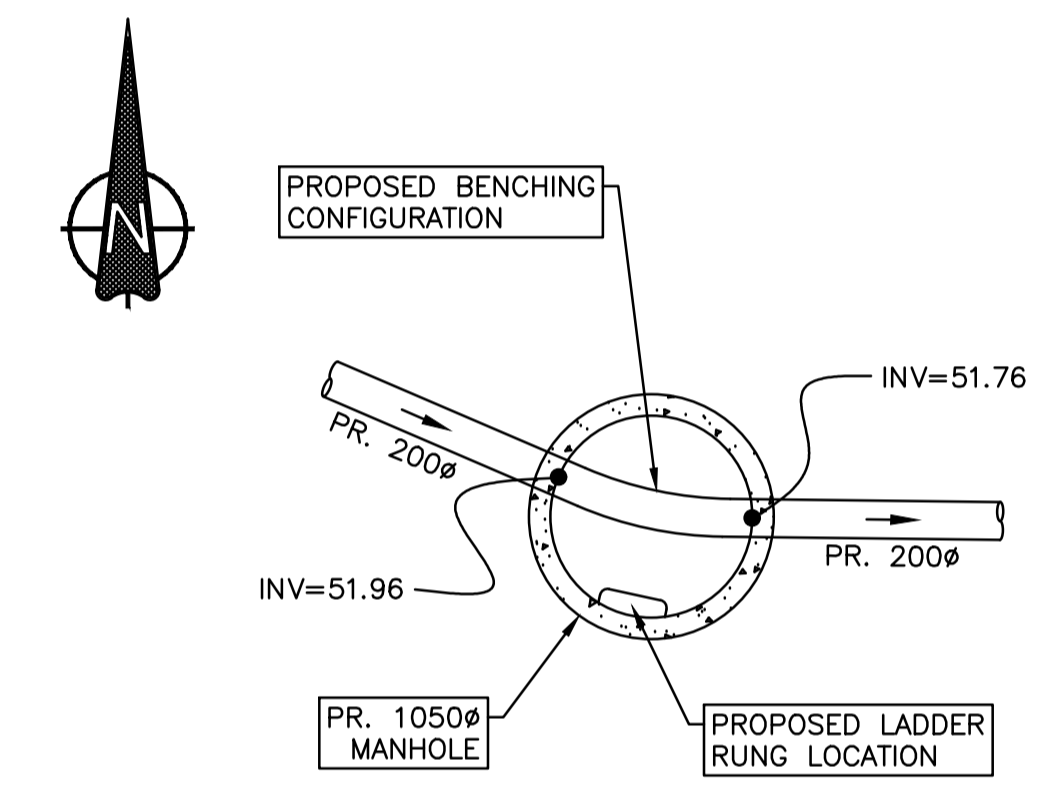


MANHOLE S2 DETAIL
SCALE 1:40

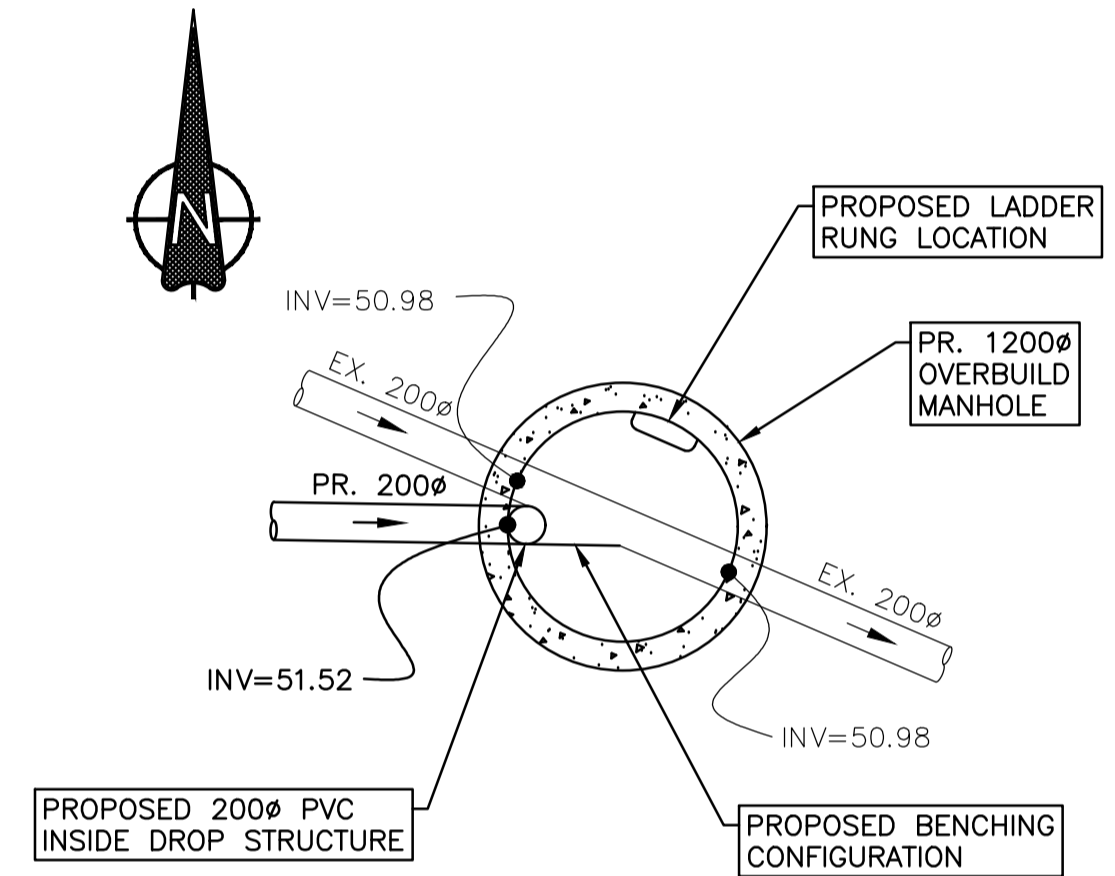


- NOTE:
1. CONNECTIONS TO BE 100 OR AS SPECIFIED ON CONTRACT DRAWINGS.
 2. RISER TYPE SERVICE TO BE USED ONLY WHEN SERVICE IS MORE THAN 2.4m ABOVE WYE INVERT OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
 3. LOCATION OF SERVICE AS SHOWN ON CONTRACT DRAWINGS.

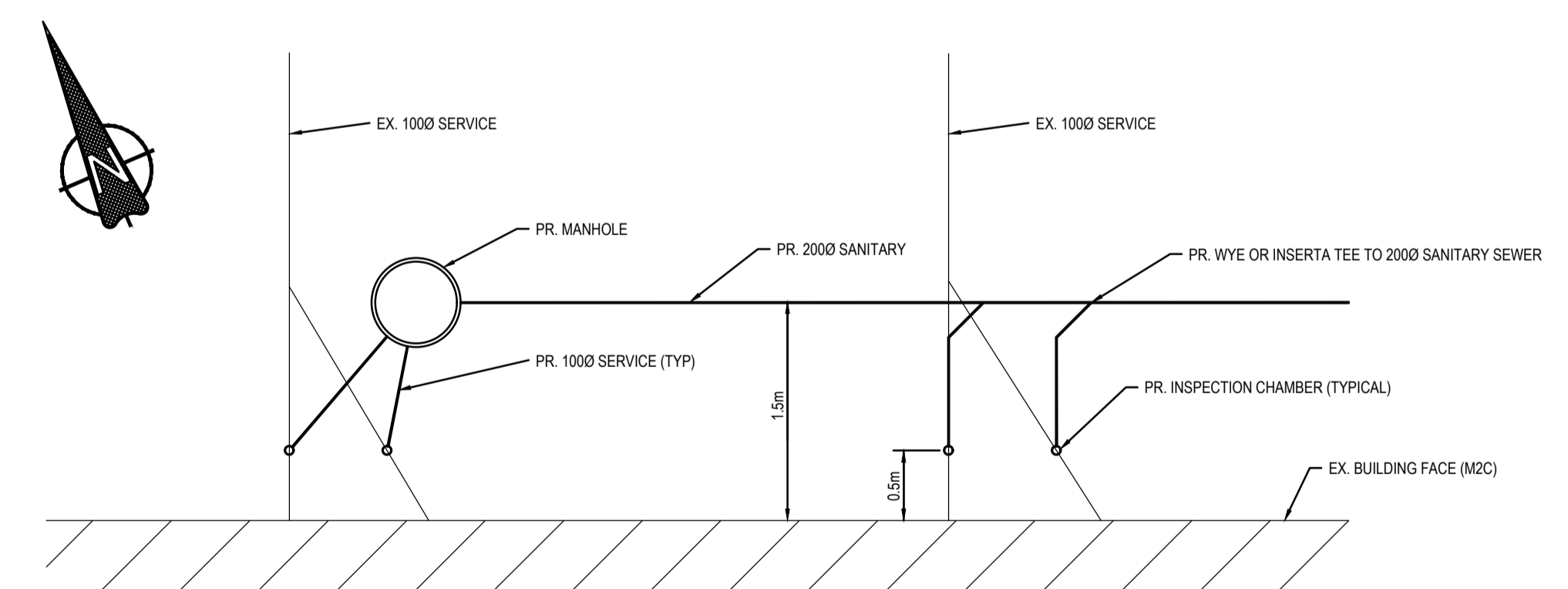
SANITARY SEWER SERVICE CONNECTION
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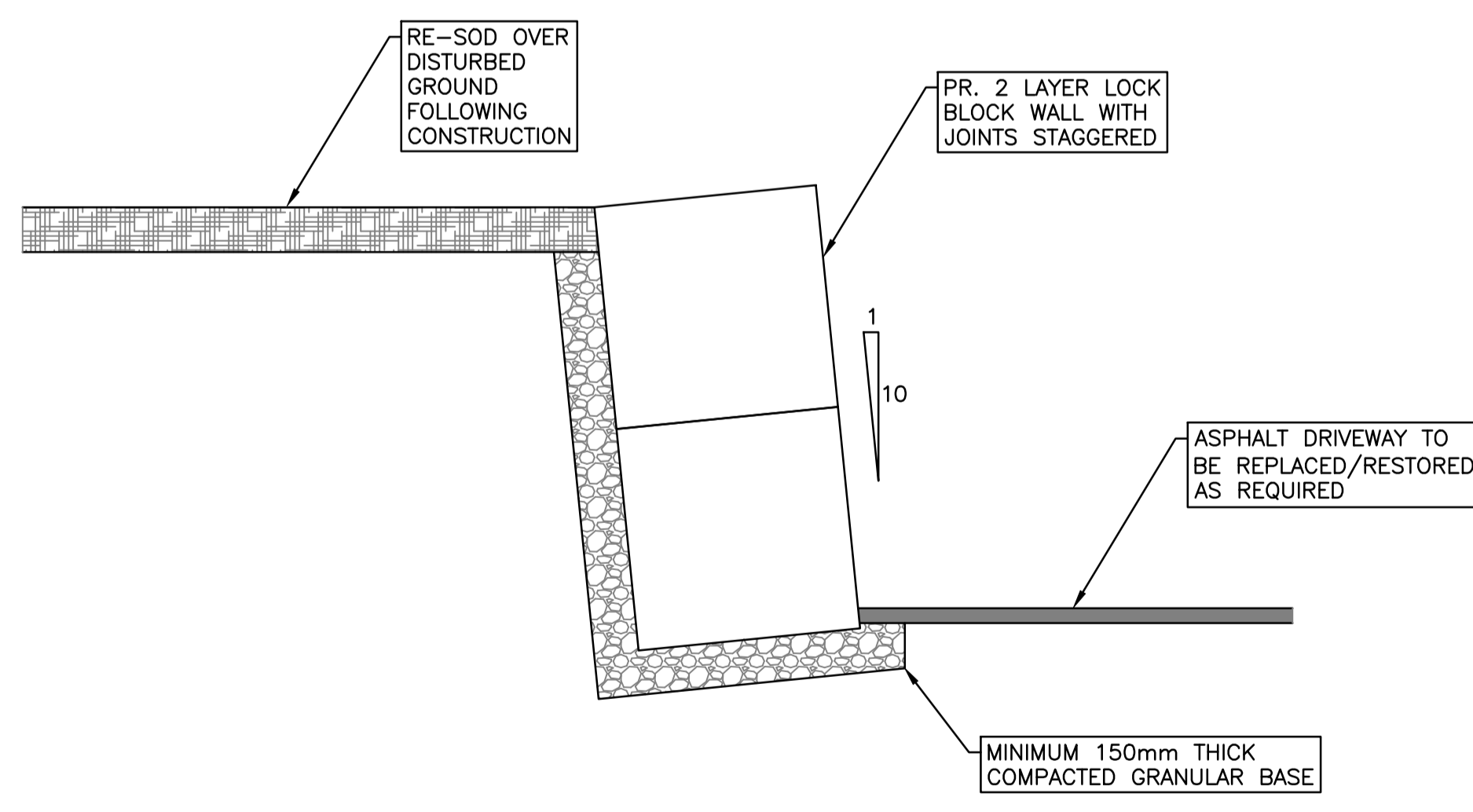
MANHOLE S3 DETAIL
SCALE 1:40



MANHOLE S4 DETAIL
SCALE 1:40



SERVICE CONNECTION GENERAL ARRANGEMENT (TYPICAL)
SCALE: NTS



- NOTE:
1. LOWER COURSE OF BLOCKS TO BE FULL BLOCKS. UPPER COURSE TO BE FULL FLAT TOP BLOCKS.
 2. CONTRACTOR TO PROVIDE DESIGN DRAWING REVIEWED AND SIGNED & SEALED BY GEOTECHNICAL ENGINEER REGISTERED IN BRITISH COLUMBIA, FOR REVIEW AND APPROVAL BY DEPARTMENTAL REPRESENTATIVE.
 3. LOCK BLOCK WALL ALIGNMENT TO BE DETERMINED ON SITE BY DEPARTMENTAL ENGINEER.

LOCK BLOCK WALL DETAIL
SCALE: NTS

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Project title/Titre du projet
MATSQUI M2C EXCAVATION AND SEWER REPAIRS

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Designed by/Concept par
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Drawn by/Dessiné par
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PWGSC Project Manager/Administrateur de Projets TPSGC
P. TSAI
Regional Manager, Architectural and Engineering Services
Gestionnaire régional, Services d'architecture et de génie, TPSGC

Drawing title/Titre du dessin
SANITARY SEWER REPLACEMENT DETAILS 2 OF 2

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.102679.001	05 OF 05	3

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