

GENERAL NOTES:

1. ALL CONSTRUCTION AND MATERIALS TO BE IN ACCORDANCE WITH MMCD PLATINUM EDITION (2009) SPECIFICATIONS, AND THESE DRAWINGS, WHICHEVER IS MOST STRINGENT.
2. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING THE VARIOUS PARTS OF THE WORK.
3. EXISTING SERVICES SHOWN ON DRAWINGS ARE APPROXIMATE ONLY AND CANNOT BE GUARANTEED FOR ACCURACY. CONTRACTOR TO CONFIRM LOCATION OF ALL EXISTING SERVICES IN THE FIELD PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER AND CONTRACT ADMINISTRATOR OF ANY DISCREPANCIES.
4. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF AS-CONSTRUCTED RECORDS, WHICH ARE TO BE HANDED OVER TO ENGINEER UPON COMPLETION OF CONSTRUCTION.
5. CAREFULLY RELOCATE EXISTING LANDSCAPE FEATURES, TRAFFIC SIGNS AND SITE FEATURES TO ACCOMMODATE CONSTRUCTION WORK. ALL EXISTING WORKS AFFECTED BY CONSTRUCTION TO BE RETURNED TO AS FOUND OR BETTER CONDITION.
6. DISPOSE OF ALL EXCAVATED MATERIAL UNSUITABLE FOR REUSE AT A SUITABLE OFF-SITE DISPOSAL AREA, IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
7. ALL BOARDWALKS, CURBS, ROADS, BOULEVARDS ETC. DISTURBED DURING CONSTRUCTION, ARE TO BE REPAIRED TO AS-FOUND OR BETTER CONDITION.
8. ALL CONCRETE TO BE SAW CUT.
9. ANY CHANCE FIND OF ARCHEOLOGICAL MATERIAL SHALL RESULT IN AN IMMEDIATE WORK STOPPAGE TO ALLOW FOR FURTHER ANALYSIS. STOP ALL ACTIVITY AND IMMEDIATELY NOTIFY ENGINEER OR DEPARTMENTAL REPRESENTATIVE IF ANY ARCHEOLOGICAL MATERIAL IS ENCOUNTERED.

SANITARY SERVICE NOTES:

1. PIPE BEDDING TO BE MMCD TYPE 1 GRANULAR PIPE BEDDING COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
2. SANITARY SEWERS ARE TO BE CONSTRUCTED WITH GASKETED JOINTS UNLESS OTHERWISE SPECIFIED ON DESIGN DRAWINGS.
3. ALL MANHOLES TO BE 1050mm DIAMETER PRE-CAST REINFORCED CONCRETE TO ASTM C478 OR AS NOTED ON DRAWINGS.
4. SANITARY MAINS TO BE FLUSHED AND VIDEO INSPECTED BY CONTRACTOR.
5. CONTRACTOR TO CONFIRM LOCATION AND INVERTS OF EXISTING SANITARY SEWER AND CLEANOUT CONNECTIONS PRIOR TO CONSTRUCTION.
6. CONTRACTOR TO NOTIFY ENGINEER OF ANY UNKNOWN UTILITIES ENCOUNTERED. DO NOT REMOVE OR ABANDON UNTIL THE UTILITY IS CONFIRMED BY PROPERTY OWNER AND ENGINEER.

WATER SERVICE NOTES:

1. WATER PIPING TO BE HIGH DENSITY POLYETHYLENE PIPE TO AWWA C901 STANDARDS AND PRESSURE RATED TO 200PSI IN ACCORDANCE WITH CSA B137.1
2. PIPE INSULATION PER MECHANICAL DRAWINGS/SPECIFICATION TO CONTINUE ON WATER SERVICE TO MIN. 0.45m BELOW GRADE.

TRAFFIC CONTROL NOTES:

1. PRIOR TO CONSTRUCTION, CONTRACTOR TO PREPARE AND SUBMIT TO ENGINEER AND VILLAGE OF HARTLEY BAY A TRAFFIC MANAGEMENT PLAN FOR ACCEPTANCE. DOCUMENT TO INCLUDE DETAILS OF WORK SITE AND BOARDWALK CLOSURE REQUIREMENTS
2. PROVIDE SIGNAGE, BARRICADES AND ILLUMINATION, AND DETOUR ROUTING AS REQUIRED TO MAINTAIN TRAFFIC/PEDESTRIAN FLOW FOR EMERGENCY VEHICLE ACCESS AND DELIVERIES.
3. AT THE END OF EVERY DAY, EXCAVATIONS SHALL BE BACKFILLED OR COVERED WITH STEEL TRAFFIC PLATES SUITABLE FOR VEHICULAR TRAFFIC (MINIMUM H20 LOADING) WHEREVER POSSIBLE.
4. 24 HOUR EMERGENCY CONTACT INFORMATION FOR CONTRACTOR REPRESENTATIVE TO BE PROVIDED TO DEPARTMENTAL REPRESENTATIVE AND VILLAGE OF HARTLEY BAY.

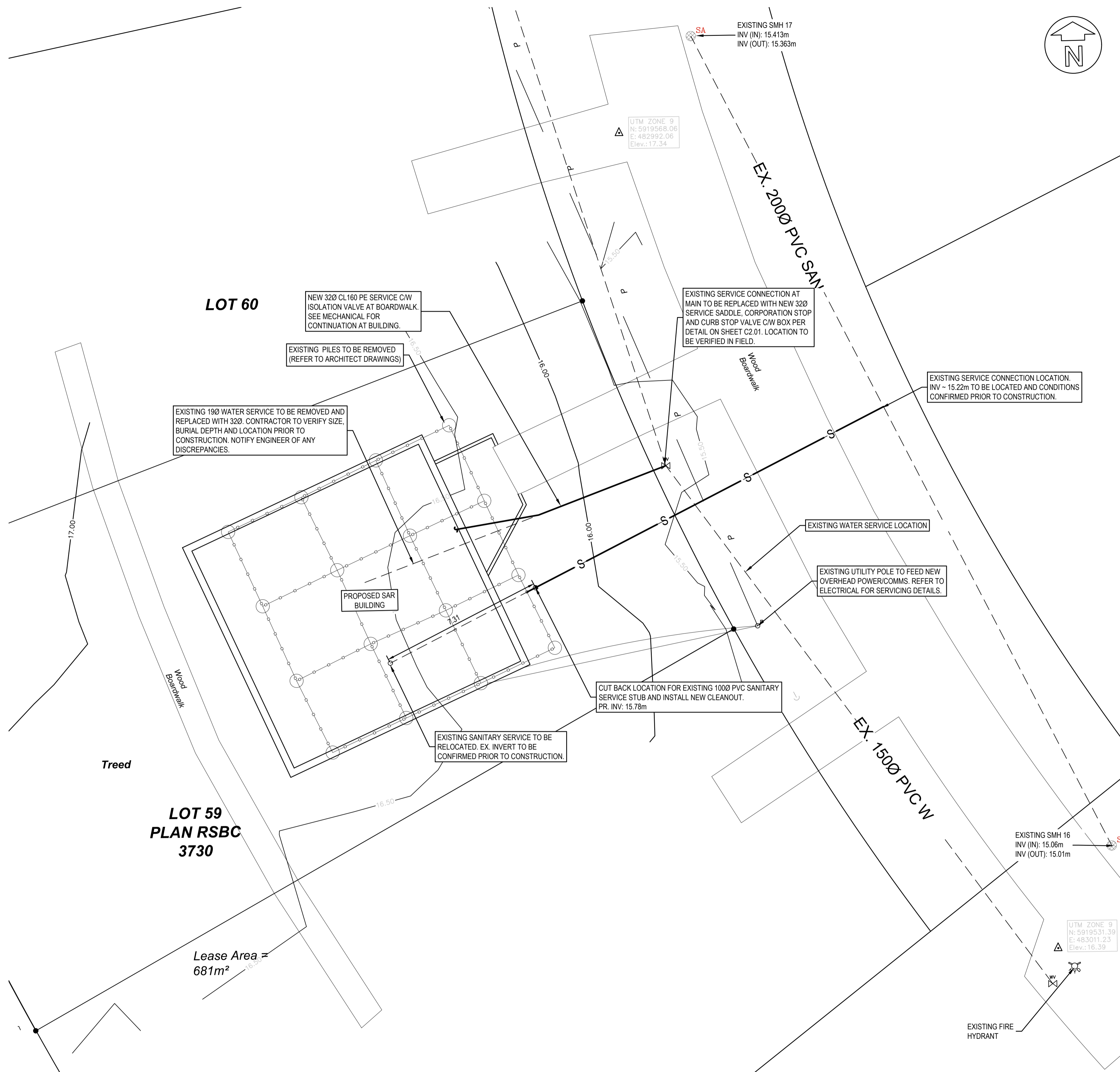
GEOTECHNICAL TESTING FOR SITE WORKS:

THE CONTRACTOR WILL BE REQUIRED TO RETAIN AND PAY FOR THE SERVICES OF A QUALIFIED INDEPENDENT GEOTECHNICAL TESTING AGENCY UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER, AND PAY THE COST OF TESTING SERVICES FOR QUALITY CONTROL INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

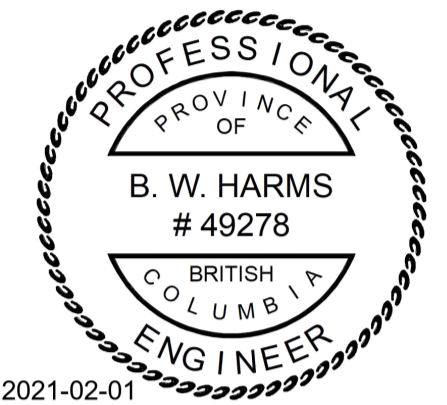
1. SIEVE ANALYSIS OF SANDS AND AGGREGATES TO BE SUPPLIED, OR AS PROVIDED BY MATERIAL SUPPLIER
2. STANDARD PROCTOR DENSITY CURVES FOR BACKFILL MATERIALS
3. COMPACTION CONTROL TESTS FOR BACKFILL AND EMBANKMENT MATERIAL INCLUDING THE FOLLOWING:
 - a. TRENCH BACKFILL - ONCE PER EVERY 15m OF TRENCH. MINIMUM ONE PER UTILITY.
 - b. GRANULAR BASE
 - c. GRANULAR SUB-BASE

THE CONTRACTOR IS TO COORDINATE DIRECTLY WITH THE GEOTECHNICAL ENGINEER AND PROVIDE ALL SUPPORTING DOCUMENTATION TO CONTRACT ADMINISTRATOR FOR REVIEW AND ACCEPTANCE.

NOTE: DUE TO DISCREPANCIES BETWEEN AS-BUILT AND SURVEYED INFORMATION PROVIDED, EXISTING SERVICE ELEVATIONS AND CONDITIONS ARE GENERALLY UNKNOWN. THE CONTRACTOR IS TO VERIFY EXISTING LOCATIONS, ELEVATIONS AND INVERTS OF ALL SERVICES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER AND CONTRACT ADMINISTRATOR OF ANY DISCREPANCIES OR CONCERNS PERTAINING TO EXISTING CONDITIONS.



PROJECT: 171-14864-01



Revision/	Description/Description	Date/Date
5		
4		
3		
2	ISSUED FOR TENDER	2021/02/01
1	ISSUED FOR 100% REVIEW	2021/01/12
0	ISSUED FOR 90% REVIEW	2020/10/23

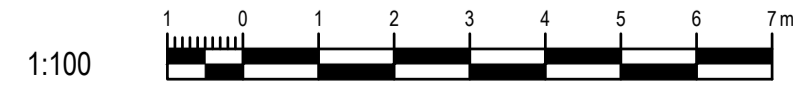
**FISHERIES AND OCEANS,
 REAL PROPERTY,
 SAFETY AND SECURITY**
 VANCOUVER, BC
 200-401 BURNARD ST.

Project title/Titre du projet
**HARTLEY BAY
 SAR RESIDENCE
 & SAR FLOAT
 SERVICES**
 HARTLEY BAY, B.C.

Consultant Signature Only
 Designed by/Concept par
 BWH
 Drawn by/Dessiné par
 CD/SG
 PWGSC Project Manager/Administrateur de Projets TPSGC
 RANDY BURGIN
 Regional Manager, Architectural and Engineering Services
 Gestionnaire régional, Services d'architecture et de génie, TPSGC

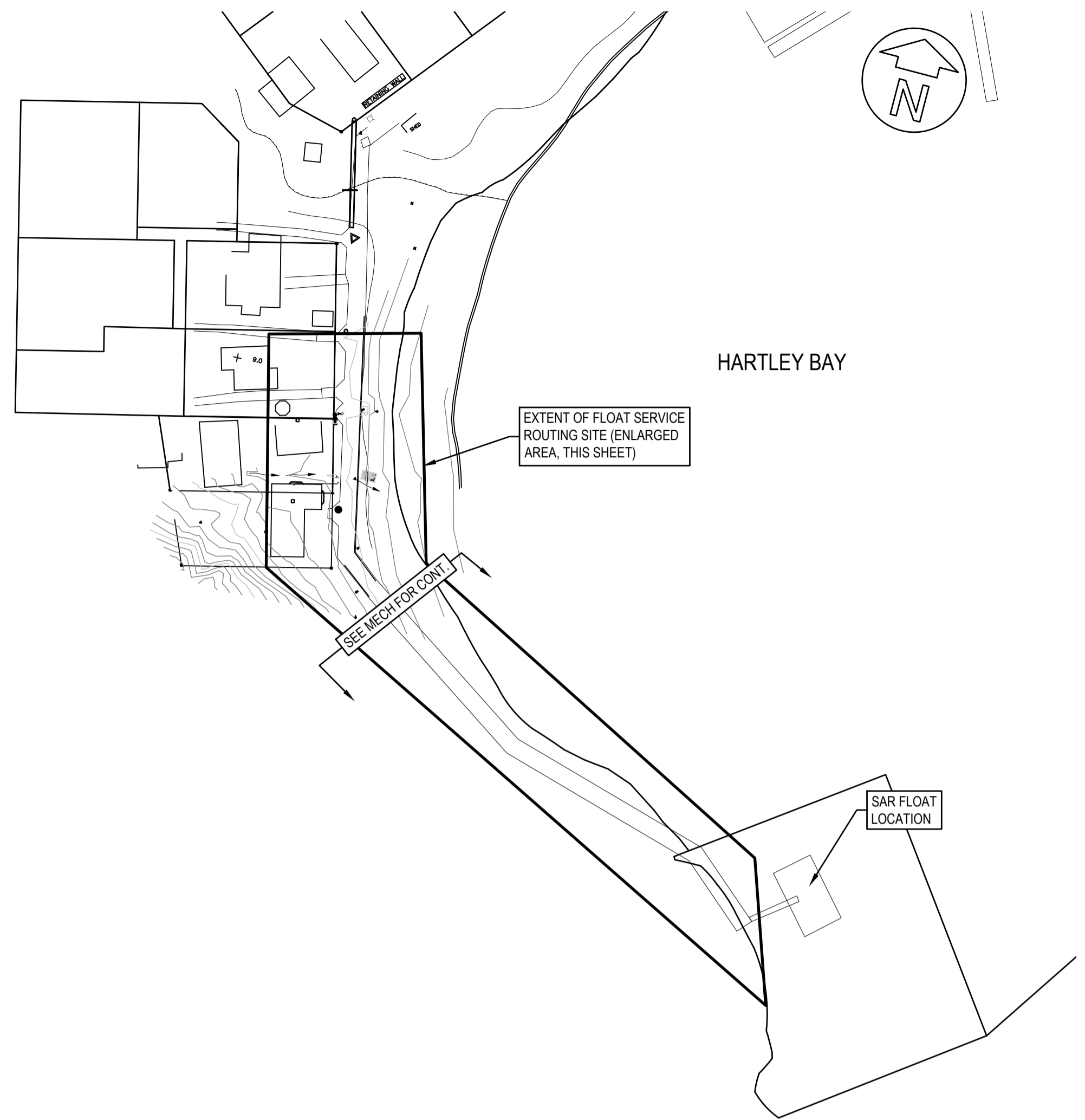
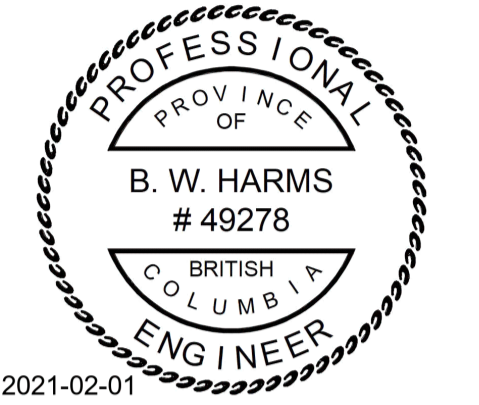
Drawing title/Titre du dessin
**GENERAL NOTES AND
 PROPOSED RESIDENCE SERVICING**

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2018552	C1.00 1 OF 3	2

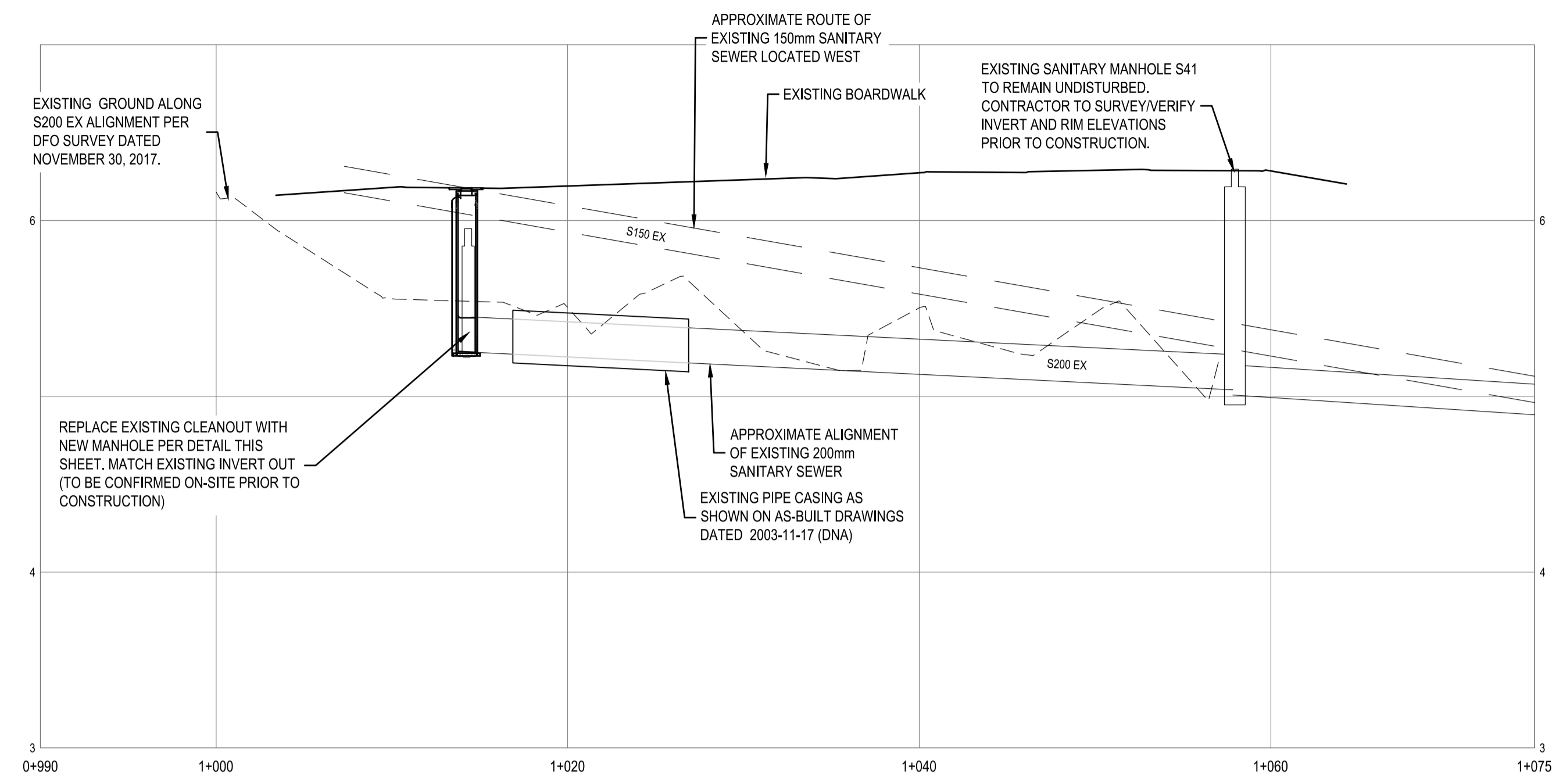




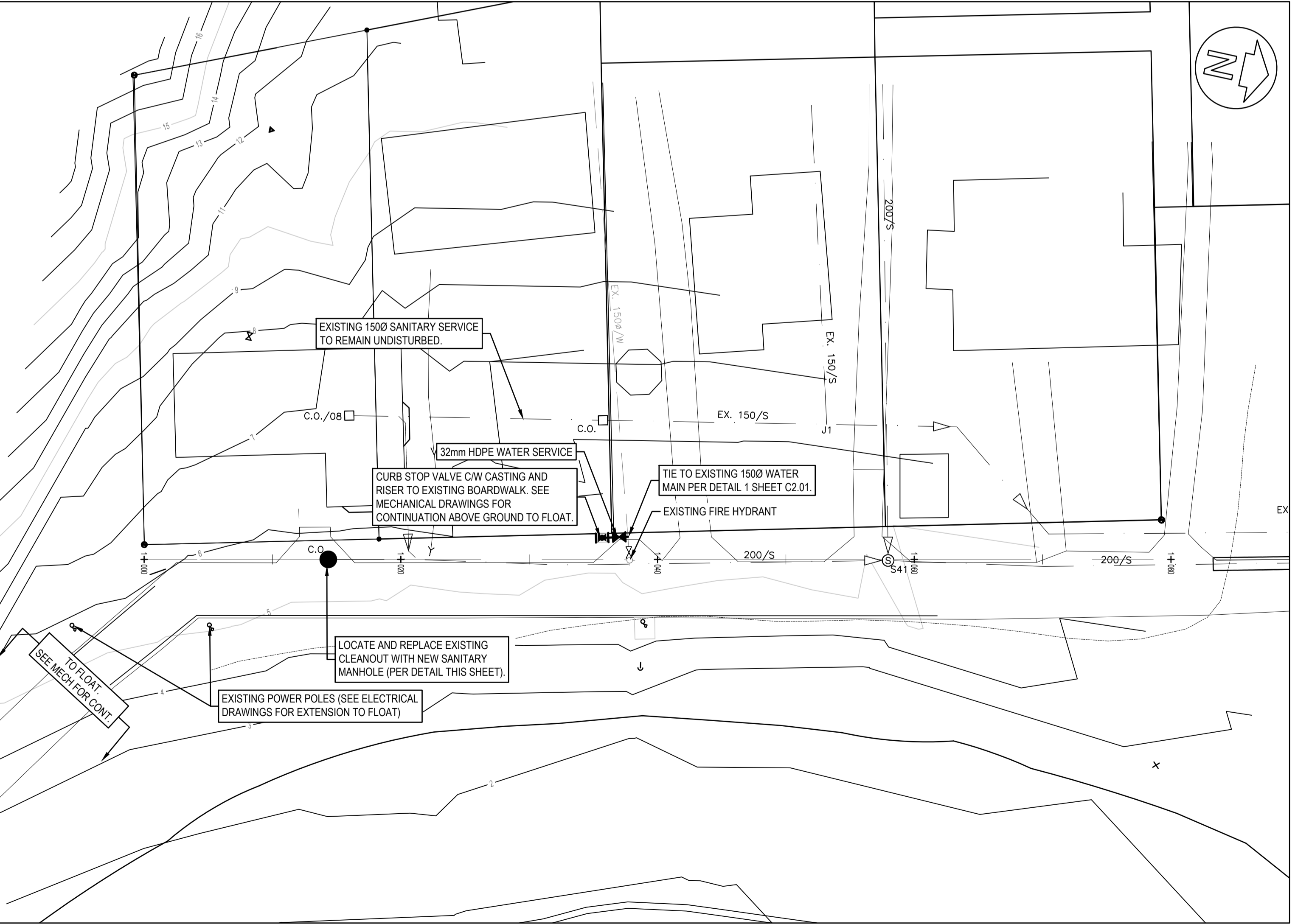
PROJECT: 171-14864-01



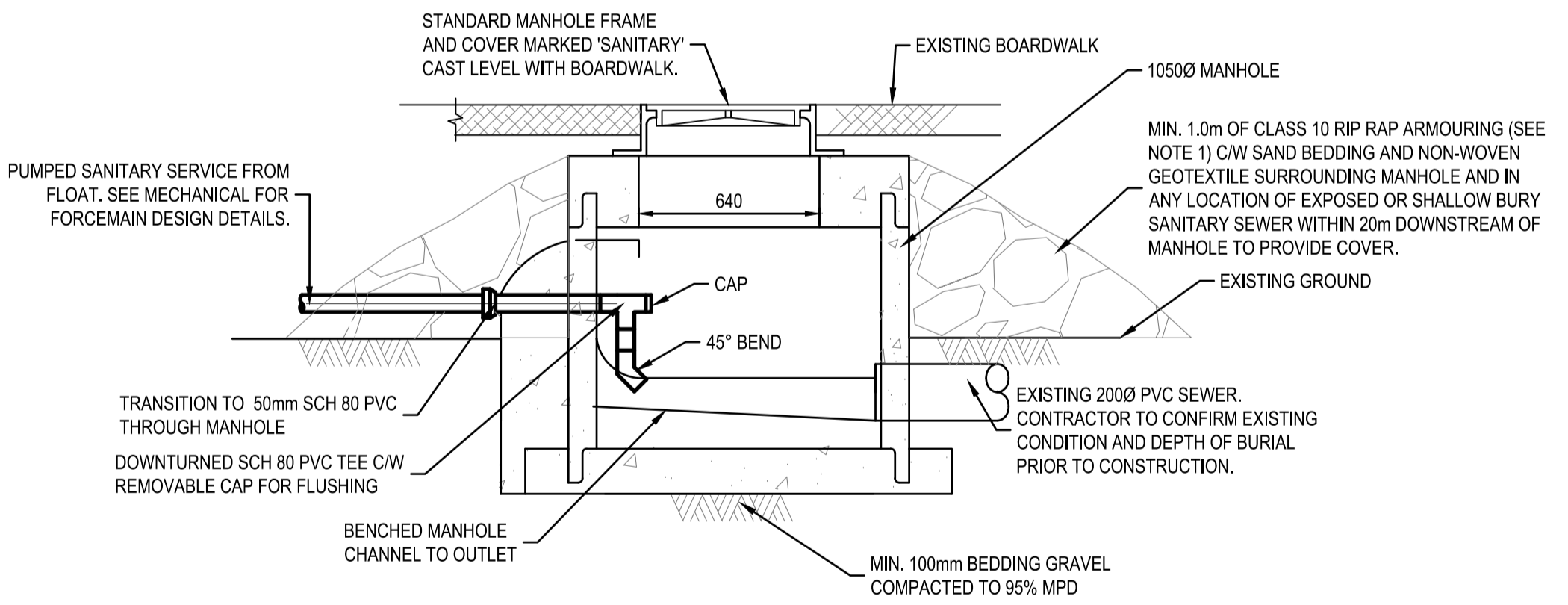
FLOAT SERVICING KEY PLAN
SCALE: 1:1000



PROFILE
SCALE: H 1:250 V 1:25



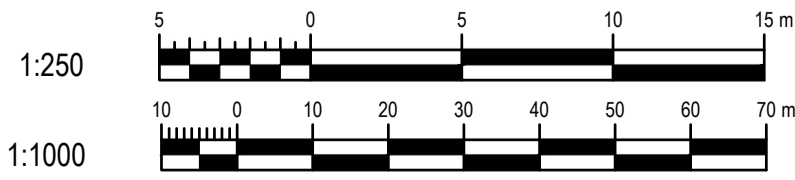
FLOAT SERVICING PLAN
SCALE: 1:250



1 SANITARY MANHOLE DETAIL
SCALE: NTS

NOTE: CONTRACTOR IS TO VERIFY EXISTING ELEVATIONS AND INVERTS OF ALL SERVICES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER AND CONTRACT ADMINISTRATOR OF ANY DISCREPANCIES.

NOTE:
1. CLASS 10 RIP RAP TO BE IN ACCORDANCE WITH MINISTRY OF TRANSPORTATION RIPRAP INSTALLATION GUIDE (SEPTEMBER 2013)



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5		
4		
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1	ISSUED FOR 95% REVIEW	20201106
0	ISSUED FOR 70% REVIEW	20200731

Client/client

**FISHERIES AND OCEANS,
REAL PROPERTY,
SAFETY AND SECURITY**
VANCOUVER, BC
200-401 BURRARD ST.

Project title/Titre du projet

**HARTLEY BAY
SAR RESIDENCE
& SAR FLOAT
SERVICES**
HARTLEY BAY, B.C.

Consultant Signature Only

Designed by/Concept par
BWH

Drawn by/Dessiné par
SG

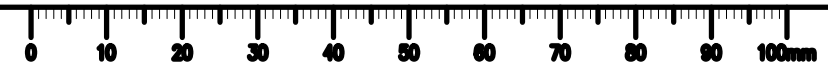
PWGC Project Manager/Administrateur de Projets TPSGC
RANDY BURGIN

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

Drawing title/Titre du dessin

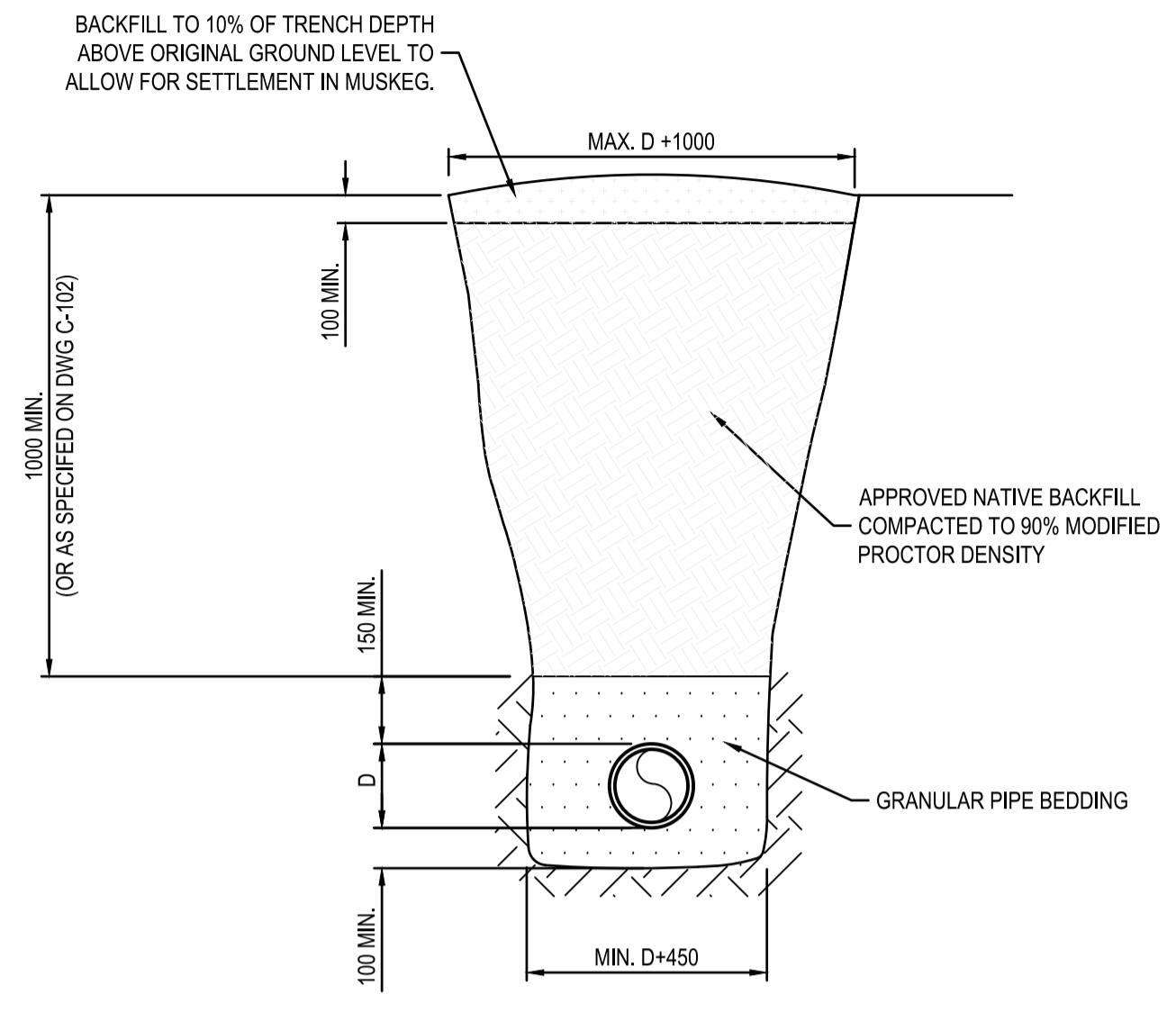
FLOAT SERVICING CONNECTIONS

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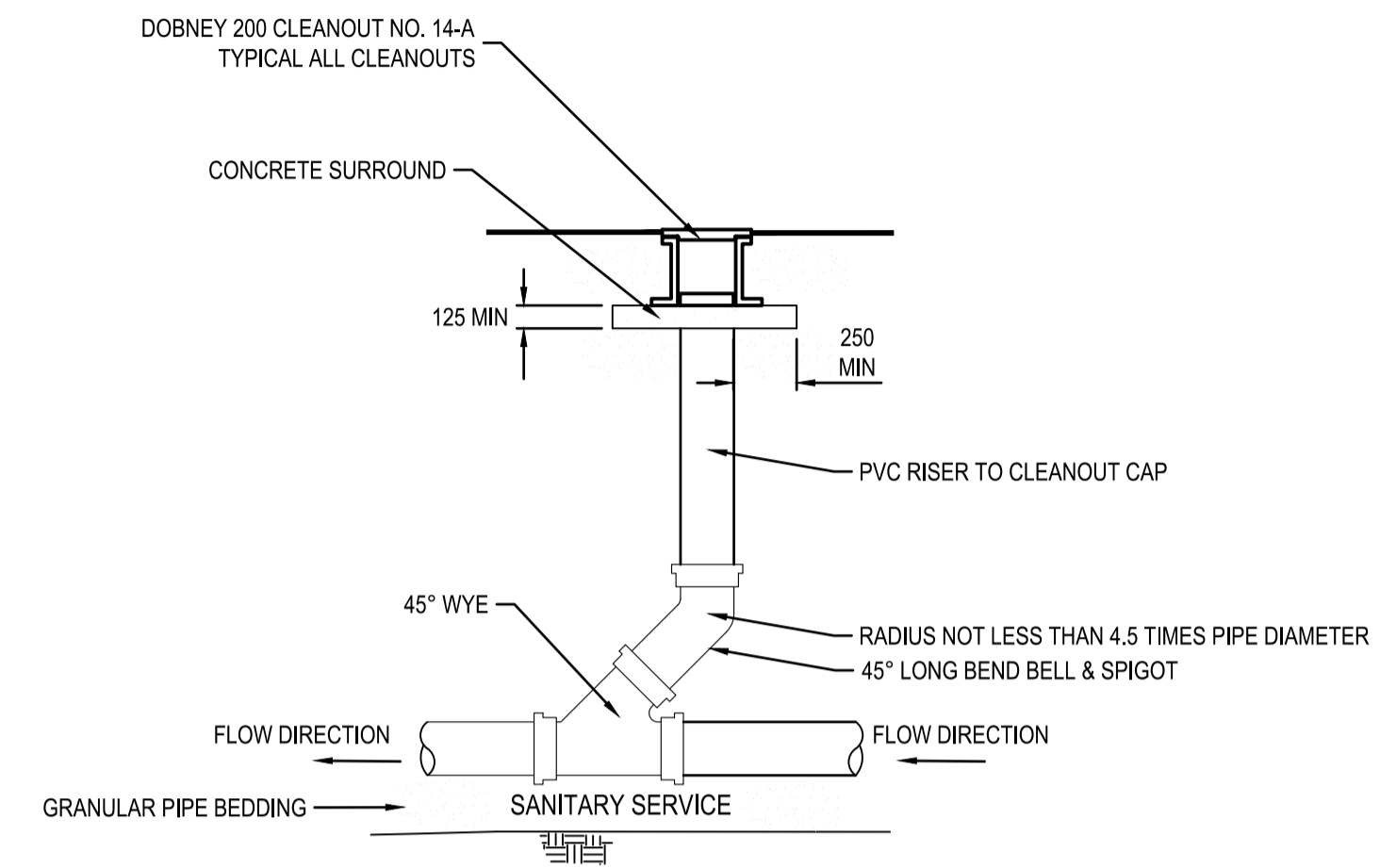


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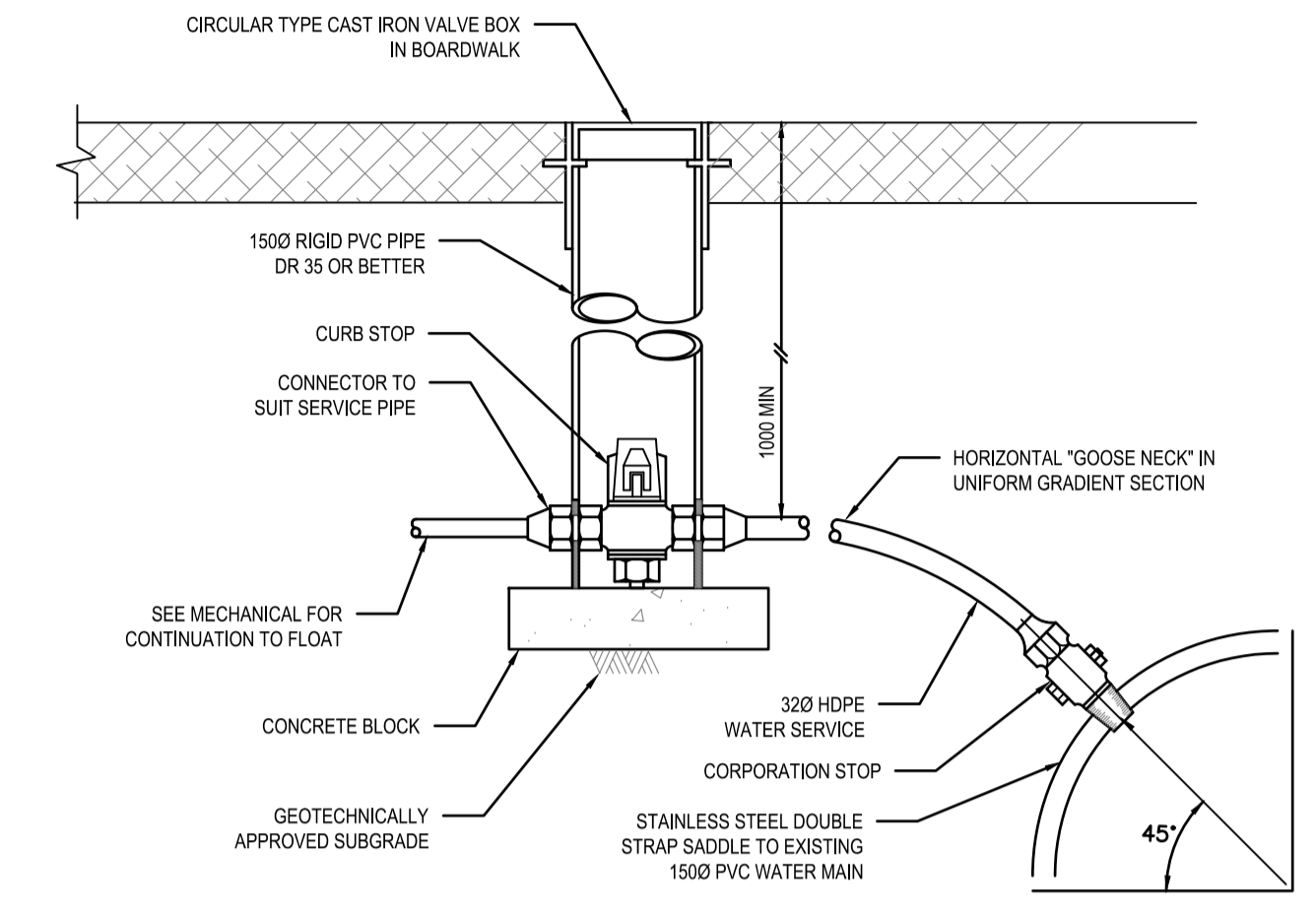


- NOTES:
- TRENCHING TO COMPLY WITH ALL REQUIREMENTS OF WORKSAFE BC.
 - REFER TO MMCD SECTION 31 23 01 FOR DETAILED SPECIFICATIONS.

TYPICAL UTILITY TRENCH SECTION
NTS



SEWER CLEANOUT DETAIL
NTS



- NOTE: 1. PVC SADDLES TO MMCD SECTION 33 11 01
2. INSTALL SERVICE PIPE WITH "GOOSE NECK" IN HORIZONTAL POSITION.
3. REFER TO CONTRACT DRAWINGS AND MMCD SECTION 33 11 01 FOR DETAILED SPECIFICATIONS

WATER MAIN TIE-IN DETAIL
NTS

5		
4		
3		
2	ISSUED FOR TENDER	2021/02/01
1	ISSUED FOR 100% REVIEW	2021/01/12
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Revision/Revisión Description/Description Date/Date

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FISHERIES AND OCEANS, REAL PROPERTY, SAFETY AND SECURITY
VANCOUVER, BC
200-401 BURRARD ST.

Project title/Titre du projet
HARTLEY BAY SAR RESIDENCE & SAR FLOAT SERVICES
HARTLEY BAY, B.C.

Consultant Signature Only

Designed by/Concept par
BWH

Drawn by/Dessiné par
SG

PWGSC Project Manager/Administrateur de Projets TPSGC
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Drawing title/Titre du dessin
CIVIL DETAILS

Project No./No. du projet 2018552	Sheet/Fauille C2.01 3 OF 3	Revision no./La Révision no. 2
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