

Request for Proposals: Operations & Maintenance Services - Water System & Wastewater System- BRITANNIA BEACH



Issue date: Monday, May 4, 2026

Closing Date: Friday, June 5, 2026 @ 4:00pm

Closing location: SLRD Office (1350 Aster St.)

Contact: Edward Witwicki

Request for Proposals –Operations & Maintenance Services – Water System and Wastewater System (BRITANNIA BEACH)

Issue date: Monday, May 4, 2026
Closing Time and Date: 4:00 p.m. on Friday, June 5, 2026

QUERIES

Queries and requests for clarification related to this Request for Proposals (“RFP”) are to be submitted, in writing, to the following contact person (the “Contact Person”).

Edward Witwicki, Manager of Infrastructure and Utility Services
Squamish-Lillooet Regional District
Box 219, Pemberton, BC V0N 2L0
E-mail: ewitwicki@slrd.bc.ca

The Squamish-Lillooet Regional District (“SLRD”) will determine, at its sole discretion, whether the query requires response and such responses will be made available to all by issue of addenda posted on the SLRD’s website (www.slrd.bc.ca). No verbal conversation will affect or modify the terms of this RFP.

PROPOSERS’ SITE MEETING:

A site meeting will be held on Wednesday May 20, 2026 at 1:00 p.m. until 2:15 p.m. (This is not a mandatory meeting. However, confirmation of attendance is required by email by no later than May 13, 2026 at 4:30 p.m.).

PROPOSER SECTION:

(A person authorized to sign on behalf of the Proponent **must** complete and sign below and submit this page as part of the Proposal.)

- **The accompanying Proposal is submitted in response to the above-referenced Request for Proposals, including any addenda.**
- **Through submission of the Proposal, the Proponent agrees to the terms and conditions of the Request for Proposals and agrees that any inconsistent provisions in the Proposal will be as if not written and do not exist.**
- **The Proponent has carefully read and examined the Request for Proposals (including the Administrative Requirements) and has conducted such other investigations as were prudent and reasonable in preparing the Proposal.**
- **The Proponent agrees to be bound by statements and representations made in the Proposal.**

Legal Name of Proponent (include “Doing Business As” name, if applicable): _____

Address of Proponent: _____

Phone Number/Fax Number/Email Address of Proponent: _____

Signature of Authorized Representative: _____

Printed Authorized Representative’s Name and Title (i.e. President, Director, etc.): _____

The Request for Proposals consists of the following:

- This Page;
- Section 1 Administrative Requirements;
- Section 2 Instructions to Proposers;
- Section 3 Project Details;
- Section 4 General Conditions; and
- Section 5 Schedules.

1. Administrative Requirements

A. Definitions

Throughout this RFP, the following definitions apply:

“Contract” means the written agreement resulting from this RFP executed by the SLRD and the Contractor;

“Contractor” means the successful Proponent to this RFP who enters into a written Contract with SLRD;

“must”, or “mandatory” means a requirement that must be met in order for a Proposal to receive consideration;

“Proponent” means an individual or company that submits (or intends to submit) a Proposal;

“Proposal” means the document submitted by the Proponent;

“SLRD” means the Squamish-Lillooet Regional District;

“RFP” means the process described in this document;

“should” or “desirable” means a requirement having a significant degree of importance to the RFP.

B. Terms and Conditions

The following terms and conditions will apply to this RFP. Submission of a Proposal in response to this RFP indicates acceptance of all the terms herein and that are included in any addenda issued by the SLRD. Provisions in Proposals that contradict any of the terms of this RFP will be as if not written and do not exist.

C. Acknowledgment Form

The Proponent is advised to complete and return the Acknowledgment Form attached hereto as Schedule A. This form may be delivered by fax or email and will facilitate the further receipt by the Proponent of any addenda to the RFP.

D. Addenda

Whether or not the Proponent has returned the Acknowledgment Form, the Proponent is required to regularly check the SLRD’s website for any updated information and addenda issued before the closing date. If there is any discrepancy in the RFP documentation, the SLRD’s original file will prevail.

E. Late Proposals

A Proposal will be marked with its receipt time at the closing location. Only a Proposal received and marked before the closing time will be considered to have been received on time. A Proposal received after the closing time may not be considered. In the event of a dispute, the receipt time of the Proposal is as recorded by the SLRD at the closing location will prevail. The Proponent is advised to verify prior to the closing time that the SLRD has received the Proposal.

F. Eligibility

A Proposal may not be evaluated if the Proponent’s current or past corporate or other interests may, in the SLRD’s opinion, give rise to a conflict of interest in connection with the project described in this RFP. If a Proponent is in doubt as to whether there might be a conflict of interest, the Proponent is advised to consult with the Contact Person prior to submitting a Proposal.

G. Evaluation

The evaluation of the Proposal will be by staff of the SLRD but may include consultants/contractors of the SLRD. The SLRD’s intent is to enter into a Contract with the Proponent who has been evaluated as having the most desirable proposal.

The SLRD may, at its discretion, request clarifications or additional information from Proponents with respect to any Proposals, make such requests to only selected Proponents, and consider such clarifications or additional information in evaluating the Proposals.

H. Negotiation/Negotiation Delay

The SLRD reserves the right, prior to awarding the Contract, to negotiate changes to the scope of work (including pricing to meet budget) with the successful Proponent without advising any other Proponent or allowing any other Proponent to vary their Proposal as a result of the changes to the scope of work or to the contract documents and the SLRD may enter into a changed or different contract with the successful Proponent without liability to Proponents who were not awarded the Contract.

If a Contract cannot be negotiated within 14 days of notification of the successful Proponent, the SLRD may, at its sole discretion at any time thereafter, terminate negotiations with such Proponent and either negotiate a Contract with the next qualified Proponent, reissue the RFP, or terminate the RFP process and not enter into a Contract with any of the Proponents.

I. Request for Debriefing

Unsuccessful Proponents may request a debriefing with the SLRD, which may, at the SLRD’s option, be conducted via telephone or email. However, the SLRD will not provide information regarding the other Proposals.

J. Alternative Solutions

If alternative solutions are to be offered, the Proponent should consult with the Contact Person prior to submitting the Proposal.

K. Changes to Proposals

By submission of a clear and detailed written notice, the Proponent may amend or withdraw its Proposal prior to the closing date and time. Upon closing time, all Proposals become final. The Proponent will not change the wording of the Proposal after closing and no words or comments will be added to the Proposal unless requested by the SLRD for purposes of clarification.

L. Proponents’ Expenses

The Proponent is solely responsible for its own expenses in preparing the Proposal and in subsequent negotiations with the SLRD, if any. Regardless of whether or not the SLRD elects to reject all Proposals, the SLRD will not be liable to any Proponent for any claims, whether for costs or damages incurred by the Proponent in preparing the Proposal, loss of anticipated profit in connection with any final Contract, or any other cause of action whatsoever.

M. Limitation of Damages

Further to the preceding paragraph, the Proponent, by submitting a Proposal, agrees that it has no cause of action, for any reason whatsoever, relating to the Contract or in respect of the competitive process, in excess of an amount equivalent to the reasonable costs incurred by the Proponent in preparing the Proposal and the Proponent, by submitting a Proposal, waives any claim for loss of profits if no Contract is made with the Proponent.

N. Proposal Validity

Proposals will be open for acceptance for at least 90 days after the closing time. The accuracy and completeness of the Proposal shall be the sole responsibility of the Proponent and any errors or omissions shall be corrected at the Proponent’s expense.

- O. Firm Pricing**
Prices will be firm for the entire Contract period unless this RFP specifically states otherwise.
- P. Currency and Taxes**
Prices quoted are to be:
- in Canadian dollars;
 - inclusive of all fees;
 - exclusive of disbursements, for which a detailed estimate shall be provided by the Proponent; and
 - inclusive of all applicable taxes, broken out.
- Q. Completeness of Proposal**
By submitting the Proposal, the Proponent warrants that, if this RFP is to design, create or provide a system or manage a program, all components required to run the system or manage the program have been identified in the Proposal or will be provided by the Contractor at no charge.
- R. Subcontracting**
The use of a subcontractor(s) (who should be identified in the Proposal) may be acceptable. This includes a joint submission by two Proponents having no formal corporate links. However, in this case, one of these Proponents must be prepared to take overall responsibility for successful performance of the Contract and this should be defined in the Proposal.
- However, a proposed subcontractor whose current or past corporate or other interests may, in the SLRD's opinion, give rise to a conflict of interest in connection with the subject-matter of the RFP may not be acceptable. This includes, but is not limited to, a subcontractor involved in the preparation of this RFP. If a Proponent is in doubt as to whether a proposed subcontractor may give rise to a conflict of interest, the Proponent should consult with the Contact Person prior to submitting a Proposal.
- Where applicable, the names of approved subcontractors listed in the Proposal will be included in the Contract. The addition of new subcontractors, or any other changes to the subcontractor list, as set out in the Contract will not be allowed without the written consent of the Regional District.
- S. Acceptance of Proposals**
This RFP is not an agreement to purchase goods or services. The SLRD is not bound to enter into a Contract with the Proponent who submits the lowest priced Proposal or with any Proponent. The SLRD will assess Proposals in light of the evaluation criteria. The SLRD is under no obligation to receive further information, whether written or oral, from any Proponent.
- Neither acceptance of the Proposal nor execution of a Contract will constitute approval of any activity or development contemplated in any Proposal that requires any approval, permit or license pursuant to any federal, provincial, regional district or municipal statute, regulation or by-law.
- T. Definition of Contract**
Notice in writing to a Proponent that it has been identified as the successful Proponent and the subsequent full execution of a written Contract will constitute a Contract for the goods or services, and no Proponent will acquire any legal or equitable rights or privileges relative to the goods or services until the occurrence of both such events.
- U. Contract**
By submitting a Proposal, the Proponent agrees that should its Proposal be successful the Proponent will enter into a Contract with the SLRD in substantially the terms set out in Schedule H.
- V. Liability for Errors**
While the SLRD has used considerable efforts to ensure information in this RFP is accurate, the information contained in this RFP is supplied solely as a guideline for the Proponents. The information is not guaranteed or warranted to be accurate by the SLRD, nor is it necessarily comprehensive or exhaustive. Nothing in this RFP is intended to relieve the Proponents from forming their own opinions and conclusions with respect to the matters addressed in this RFP.
- W. Modification of Terms**
The SLRD reserves the right to modify the terms of this RFP at any time in its sole discretion. This includes the right to cancel this RFP at any time prior to entering into a Contract with the successful Proponent.
- X. Ownership of Proposals**
All Proposals submitted to the SLRD become the property of the SLRD. They will be received and held in confidence by the SLRD, subject to the provisions of this RFP and the *Freedom of Information and Protection of Privacy Act*.
- Y. Use of Request for Proposals**
Any portion of this document, or any information supplied by the SLRD in relation to this RFP may not be used or disclosed, for any purpose other than for the submission of the Proposal. Without limiting the generality of the foregoing by submission of the Proposal, **the Proponent agrees to hold in confidence all information supplied by the SLRD in relation to this RFP.**
- Z. Reciprocity**
The SLRD may consider and evaluate a Proposal from other jurisdictions on the same basis that the government purchasing authorities in those jurisdictions would treat a similar Proposal from a British Columbia supplier.
- AA. No Lobbying or Solicitation**
The Proponent must not attempt to communicate directly or indirectly with any employee, contractor or representative of the SLRD, including the members of the evaluation team and any elected officials of the SLRD, or with members of the public or the media, about the project described in this RFP or otherwise in respect of the RFP, other than as expressly directed or permitted by the SLRD herein or otherwise.
- BB. Collection & Use of Personal Information**
The Proponent is solely responsible for familiarizing itself and for ensuring that it complies, with the laws applicable to the collection and dissemination of information, including resumes and other personal information concerning employees and employees of any subcontractors. If this RFP requires the Proponent to provide the SLRD with personal information of employees or subcontractors who have been included as resources in response to this RFP, the Proponent will ensure that it has obtained written consent from each of those persons before forwarding such personal information to the SLRD. Such written consents are to specify that the personal information may be forwarded to the SLRD for the purposes of responding to this RFP and use by the SLRD for the purposes set out in the RFP. The SLRD may, at any time, request the original consents or copies of the original consents from the Proponent, and upon such request being made, the Proponent will immediately supply such originals or copies to the SLRD.

2. INSTRUCTIONS TOPROPONENTS

A. DESCRIPTION OF SERVICES

The SLRD is requesting proposals from qualified firms for operations & maintenance services - Water System and Wastewater System for BRITANNIA BEACH.

The Community of Britannia Beach consists of approximately 200 single family residences and 4 commercial properties and is located in the SLRD's Electoral Area D (approximately 18 kilometers south of District of Squamish and 22 kilometers north of the Village of Lions Bay).

Please refer to **Section 3 – Project Details** for further information.

B. TERM/RENEWAL

This is for a 3 year term, commencing on or about June 15, 2026 and concluding on or about May 30, 2029.

C. RFP DOCUMENTS

The RFP document package is available:

1. For downloading in Portable Document Format (PDF) at:
 - the SLRD website at www.slrd.bc.ca; and
 - www.bcbid.gov.bc.ca by browsing for opportunities by organizations and selecting Squamish–Lillooet Regional District;

OR

2. In hard copy, **by request**, from the SLRD office at 1350 Aster Street, Pemberton, BC, between the hours of 8:00 AM to 4:30 PM, Monday to Friday (excluding statutory holidays).



D. QUERIES

Queries and requests for clarification related to this RFP are to be submitted, in writing, to the Contact Person:

Edward Witwicki, Manager of Infrastructure and Utility Services
Squamish-Lillooet Regional District
Box 219, 1350 Aster Street
Pemberton, BC
V0N 2L0
E-mail: ewitwicki@slrd.bc.ca

The SLRD will determine, at its sole discretion, whether queries require responses and such responses will be made available to all by issue of addenda posted on the SLRD's website (www.slrd.bc.ca/). No verbal conversation will affect or modify the terms of this RFP.

E. CLOSING DATE AND TIME AND PROPOSAL OPENING

Proposals must be received by the SLRD on or before 4:00 p.m. local time on Friday June 5, 2026 @ 4:00pm. Proposals will not be opened in public.

F. PROPOSAL FORMAT

The SLRD requests that the following format and sequence be followed in order to provide consistency in considering Proposals:

- Title Page, including RFP title, Proponent's name, address, phone number, email address, and name of representative;
- Letter of Introduction (1 page), identifying the Proponent, the size of the firm, etc. to be signed by the person(s) authorized to sign on behalf of the Proponent; and
- The body of the Proposal, including a completed Schedule "G".

G. SUBMISSION OF PROPOSALS

Proposals must be submitted to the SLRD in one of the following ways:

By courier to: Squamish-Lillooet Regional District
1350 Aster Street,
Pemberton, B.C. V0N 2L0
Attention: Edward Witwicki

By mail to: Squamish-Lillooet Regional District
Box 219
Pemberton, B.C. V0N 2L0
Attention: Edward Witwicki

By e mail (PDF files) to ewitwicki@slrd.bc.ca

H. EVALUATION CRITERIA

The criteria for evaluation of the Proposals may include, but is not limited to:

- Corporate experience and references for similar projects, general reputation in the industry, capacity, resources, and professional qualifications;
- Approach, methodology and understanding of the SLRD's requirements;
- Total cost/fees (and hourly rates for extra work);
- Sustainability and value-added benefits.

The evaluation criteria will be used to determine the best overall value to the SLRD and may be applied on a comparative basis vis-à-vis each Proposal.

3. PROJECT DETAILS

A. OVERVIEW

The SLRD is requesting submissions for operations & maintenance services – Water and Wastewater System (BRITANNIA BEACH).

The Britannia Beach water system is currently classified as a Level 2 water treatment system. Pursuant to a Permit to Operate issued by Vancouver Coastal Health (attached as Schedule “B”), the SLRD operates the Britannia Beach water system, which is comprised of the following infrastructure (the “**Water System**”).

- Six (6) wells in total (currently 4 in operation);
- Two (2) water reservoirs;
- water distribution system which includes one (1) booster station and two (2) pressure reducing valves; and
- water treatment facility (ultra-violet disinfection, corrosion inhibitor, caustic soda and sodium hypochlorite [chlorine]).

Drawings related to the Water System are attached as Schedule “C”.

The Britannia Beach wastewater system is classified as a Small Wastewater System – Mechanical. Pursuant to a Permit issued by the Province of British Columbia in 2006 (attached as Schedule “D”), the SLRD operates the Britannia Beach wastewater system, which is comprised of the following infrastructure (the “**Wastewater System**”):

- wastewater collection system (forced main, gravity-fed); and
- wastewater treatment facility (sequence batch reactor activated sludge treatment).

Drawings related to the Wastewater System are attached as Schedule “E”.

B. SCOPE OF WORK

The scope of work for Operations & Maintenance Services-Water and Wastewater System (BRITANNIA BEACH) are attached as Schedule “F” to this RFP. As noted, the scope of work is broken down into:

- the Water System:
 - Regular Services and Specific Services at a monthly fixed fee; and
 - Additional Services (Emergency Services) at specified hourly rates.
- the Wastewater System:
 - Regular Services and Specific Services at a monthly fixed fee; and
 - Additional Services (Emergency Services) at specified hourly rates.

C. TERMS OF PAYMENT

The Proponent must specify in the Proposal the terms of payment required for the duration of the project (if more frequent than a monthly invoicing cycle.)

D. FEES

The Proponent will provide the following for the Britannia Beach System:

- in respect of the Water System:
 - a monthly fixed fee for all work necessary to complete the Regular Services and the Specific Services as set out in Schedule “F”; and
 - specified hourly rates for Additional Services (Emergency Services) as set out in Schedule “F”
- in respect of the Wastewater System:
 - a monthly fixed fee for all work necessary to complete the Regular Services and the Specific Services as set out in Schedule “F”; and
 - specified hourly rates for Additional Services (Emergency Services) as set out in Schedule F

4. GENERAL CONDITIONS

A. INSURANCE

The Proponent must have the following insurance coverage:

- Commercial general liability insurance providing coverage for death, bodily injury, property loss and damage and all other losses arising out of or in connection with the provision of the Services in an amount not less than \$5,000,000 per occurrence, naming the SLRD as additional insured;
- Automobile liability insurance providing coverage on all vehicle's owner, operated or licensed in the name of the Proponent in an amount not less than two million dollars (\$2,000,000) per occurrence for bodily injury, death and damage to property; and
- Proponent's equipment insurance in an all-risks form covering machinery and equipment used for the performance of the Services.

B. WORKSAFEBC

The Proponent must have WorkSafeBC coverage.

C. OPERATOR CERTIFICATION LEVEL

The Proponent must be fully qualified to work as an operator and hold an up-to-date Level 2 (or higher) Wastewater and Water treatment operator's certificate recognized by the BC Water & Waste Association.

D. COMPLIANCE

The work to be carried out must comply with and be in accordance with all provincial and local government laws, regulations and policies.

E. INDEMNITY

Except to the extent arising out of the negligent acts or omissions of the SLRD, the Proponent will release, indemnify and save harmless the SLRD from and against any and all liabilities, actions, damages, claims, losses, costs and expenses whatsoever (including, without limitation, the full amount of all legal fees and disbursements) in any way directly or indirectly arising out of or caused, in whole or in part, by the Proponent in the performance of the Services. This release and indemnity shall survive notwithstanding the completion of the Services and/or the expiry or termination of the agreement.

The indemnity provided by the Proponent to the SLRD will not in any way be limited or restricted by the insurance requirements or by limitations on the amount or type of damages, compensation or benefits payable under the Workers' Compensation Act.

5. SCHEDULES

SCHEDULE “A” – Acknowledgment Letter

SCHEDULE “B” – Permit to Operate (Water System)

SCHEDULE “C” – Drawings (Water System)

SCHEDULE “D” – Permit (Wastewater System)

SCHEDULE “E” - Drawings (Wastewater System)

SCHEDULE “F” – Scope of Work

SCHEDULE “G” – Fees

SCHEDULE “H” – Draft Services Agreement



SCHEDULE "A" – ACKNOWLEDGMENT LETTER

[The undersigned will be sent any amendments or addenda in respect to the Request for Proposals: Operations & Maintenance Services– Water and Wastewater System (BRITANNIA BEACH).

We presently intend to provide a Proposal in respect of the Request for Proposals: Operations & Maintenance Services – Water and Wastewater System (BRITANNIA BEACH).

Signature

Company/Business Name

Name (please print)

Address

Title

City

Phone Number

Mobile Phone Number

Date

E-Mail Address

Return this completed form immediately to:

Edward Witwicki, Manager of Infrastructure and Utility Services
Squamish-Lillooet Regional District
P.O. Box 219, 1350 Aster Street Pemberton, BC, V0N 2L0
ewitwicki@slrd.bc.ca
Fax: 604-894-6526



SCHEDULE “B” – PERMIT TO OPERATE (WATER SYSTEM)

See attached



HEALTH PROTECTION

PERMIT TO OPERATE

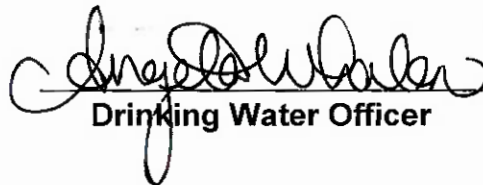
A Water Supply System

Purveyor: Squamish Lillooet Regional District
Facility Name: Britannia Beach Water System

Conditions of Permit

Maintain continuous on-line monitoring of the water disinfection process at WTP.
Maintain continuous on-line turbidity sampling and recording of treated water at WTP.
Review and update the Emergency Response Plan annually.
Minimum bacteriological sampling frequency is 8 / month.
Conduct a chemical/physical analysis of raw water at least once every 2 years for in-use wells.

May 15, 2007
Effective Date
March 23, 2017
Revised Date


Drinking Water Officer

**This permit must be displayed
in a conspicuous place and is not transferable**

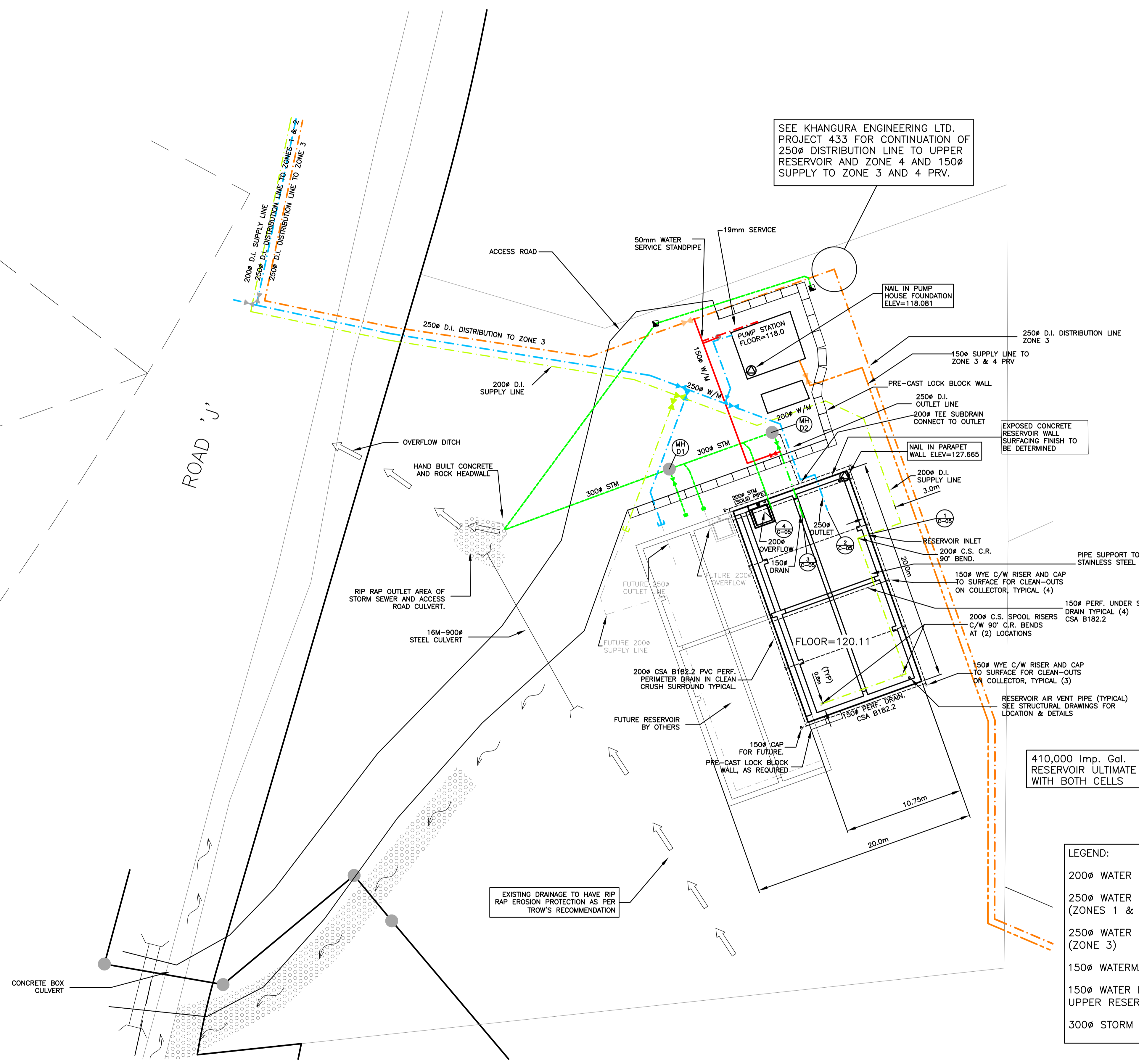


SCHEDULE "C" – DRAWINGS (WATER SYSTEM)

See attached



ROAD 'J'



SEE KHANGURA ENGINEERING LTD. PROJECT 433 FOR CONTINUATION OF 250# DISTRIBUTION LINE TO UPPER RESERVOIR AND ZONE 4 AND 150# SUPPLY TO ZONE 3 AND 4 PRV.

NOTE:
FINAL GATE AND FENCE LINE LOCATION TO BE DETERMINED IN CONJUNCTION WITH SLRD ON SITE. WORKS TO BE COMPLETED BY OWNER.

NOTE:
SEE PLANS BY ISL AND ATI FOR PUMP STATION AND RESERVOIR DETAILS

180,750 Imp. Gal. RESERVOIR (FIRST CELL)

410,000 Imp. Gal. RESERVOIR ULTIMATE WITH BOTH CELLS

NOTE:
ALL BACKFILL, SUB GRADE AND CLEAR CRUSH BEDDING TO BE INSPECTED AND APPROVED BY TROW CONSULTING BEFORE CONCRETE WORKS.

LEGEND:

200# WATER SUPPLY	
250# WATER DISTRIBUTION (ZONES 1 & 2)	
250# WATER DISTRIBUTION TO (ZONE 3)	
150# WATERMAIN	
150# WATER DISTRIBUTION TO UPPER RESERVOIR AND (ZONE 4)	
300# STORM	

CLIENT/DEVELOPER:
BRITANNIA BAY PROPERTIES LTD.
11th FLOOR, 938 HOWE STREET
VANCOUVER BC V6Z 1N9
TEL.: 604-331-6018 FAX: 604-331-6048

ENGINEER:
KHANGURA ENGINEERING LTD.
204-33119 SOUTH FRASER WAY
ABBOTSFORD BC V2S 2B1
TEL.: (604)852-4542
FAX: (604)853-9625
EMAIL:kel@uniserve.com

NO.	DATE	BY	REVISIONS	TECH. ENG.
8	06-11-21	OD	AS CONSTRUCTED	GWD B.K.
7	05-10-20	AP	GENERAL REVISION	GWD B.K.
6	05-08-26	AP	GENERAL REVISION	GWD B.K.
5	05-06-23	BY	REVISIONS AS PER DAYTON & KNIGHT LTD.	GWD B.K.
4	05-05-31	BY	REVISIONS AS PER DAYTON & KNIGHT LTD.	GWD B.K.
3	05-05-10	BY	ADD CULVERTS AND ADDITIONAL NOTES	GWD B.K.
2	05-04-12	BY	REALIGN ACCESS, PUMPHOUSE & CHANGE SCALE	GWD B.K.
1	05-03-22	BY	REALIGN ACCESS, WATER & STORM MOVE PUMPHOUSE	GWD B.K.

PROJECT NO: 436 SHEET NO: 1 OF 6
DATE: 05-04-13
DWN BY: DC
DESIGN: GWD
SCALE HORZ: 1:200

SQUAMISH-LILLOOET REGIONAL DISTRICT
BRITANNIA BEACH LOWER RESERVOIR
PLAN

REV. SET: 7

NOTE:
ALL BACKFILL, SUB GRADE AND CLEAR CRUSH BEDDING TO BE INSPECTED AND APPROVED BT TROW CONSULTING BEFORE CONCRETE WORKS.

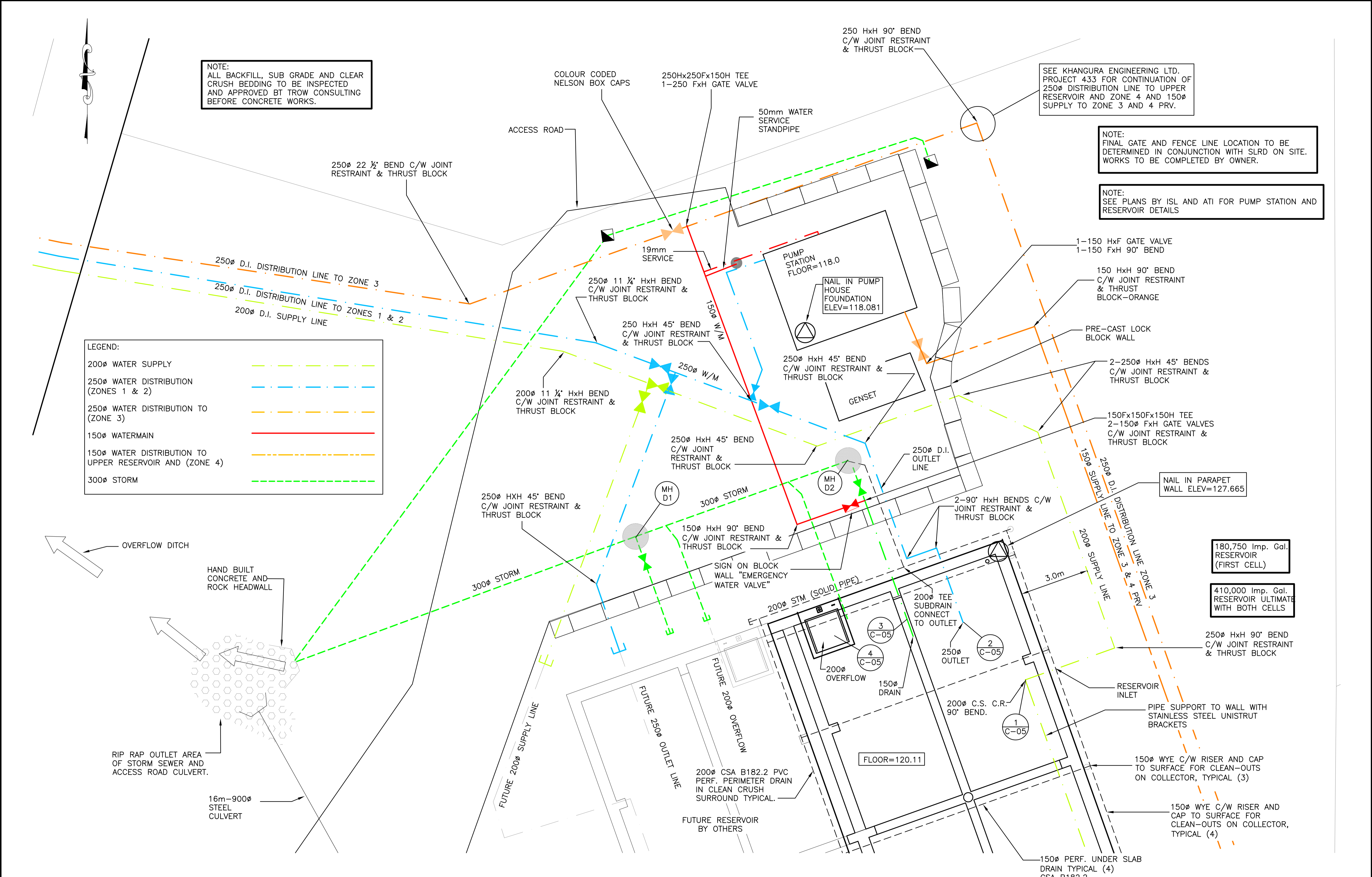
SEE KHANGURA ENGINEERING LTD. PROJECT 433 FOR CONTINUATION OF 250Ø DISTRIBUTION LINE TO UPPER RESERVOIR AND ZONE 4 AND 150Ø SUPPLY TO ZONE 3 AND 4 PRV.

NOTE:
FINAL GATE AND FENCE LINE LOCATION TO BE DETERMINED IN CONJUNCTION WITH SLRD ON SITE. WORKS TO BE COMPLETED BY OWNER.

NOTE:
SEE PLANS BY ISL AND ATI FOR PUMP STATION AND RESERVOIR DETAILS

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150Ø WATERMAIN	
150Ø WATER DISTRIBUTION TO UPPER RESERVOIR AND (ZONE 4)	
300Ø STORM	



CLIENT/DEVELOPER:
BRITANNIA BAY PROPERTIES LTD.
11th FLOOR, 938 HOWE STREET
VANCOUVER BC V6Z 1N9
TEL.: 604-331-6018 FAX: 604-331-6048

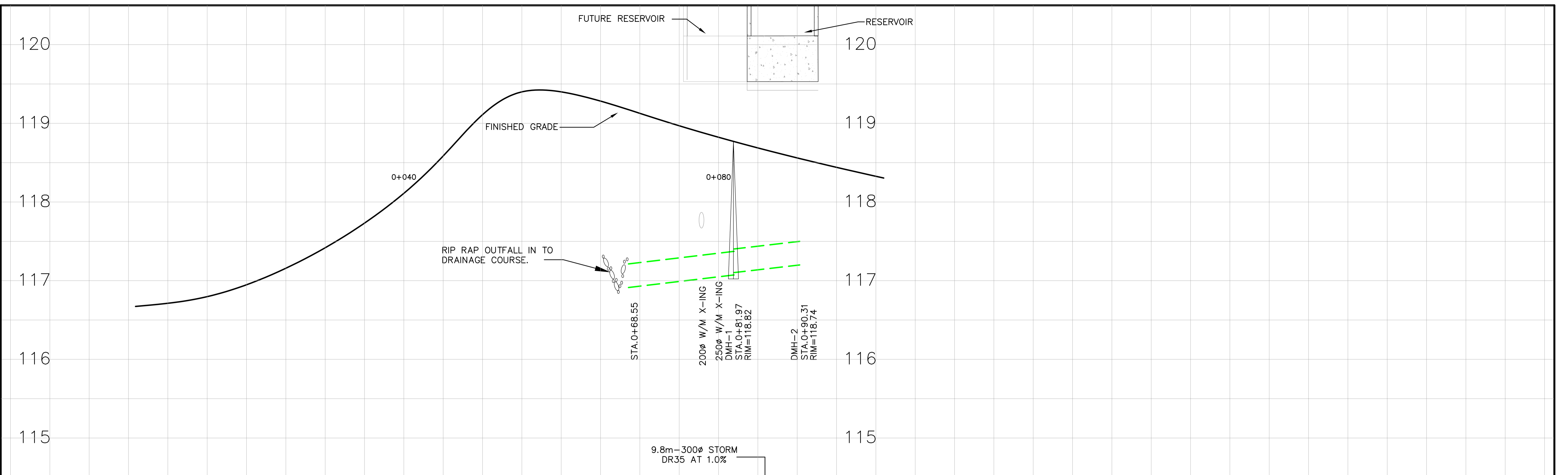
ENGINEER:
KHANGURA ENGINEERING LTD.
204-33119 SOUTH FRASER WAY
ABBOTSFORD BC V2S 2B1
TEL.: (604)852-4542
FAX: (604)853-9625
EMAIL:kel@uniserve.com

NO.	DATE	BY	REVISIONS	TECH. ENG.
8	06-11-21	OD	AS CONSTRUCTED	GWD B.K.
7	05-10-20	AP	GENERAL REVISION	GWD B.K.
6	05-08-26	AP	GENERAL REVISION	GWD B.K.
5	05-06-23	BY	REVISIONS AS PER DAYTON & KNIGHT LTD.	GWD B.K.
4	05-05-31	BY	REVISIONS AS PER DAYTON & KNIGHT LTD.	GWD B.K.
3	05-05-10	BY	ADD CULVERTS AND ADDITIONAL NOTES	GWD B.K.
2	05-04-12	BY	REALIGN ACCESS, PUMPHOUSE & CHANGE SCALE	GWD B.K.
1	05-03-22	BY	REALIGN ACCESS, WATER & STORM MOVE PUMPHOUSE	GWD B.K.

PROJECT NO: 436
DATE: 05-04-13
DWN BY: DC
DESIGN: GWD
SCALE HORZ: 1:75

SHEET NO: 2 OF 6
SQUAMISH-LILLOOET REGIONAL DISTRICT
BRITANNIA BEACH LOWER RESERVOIR
PIPING DETAIL

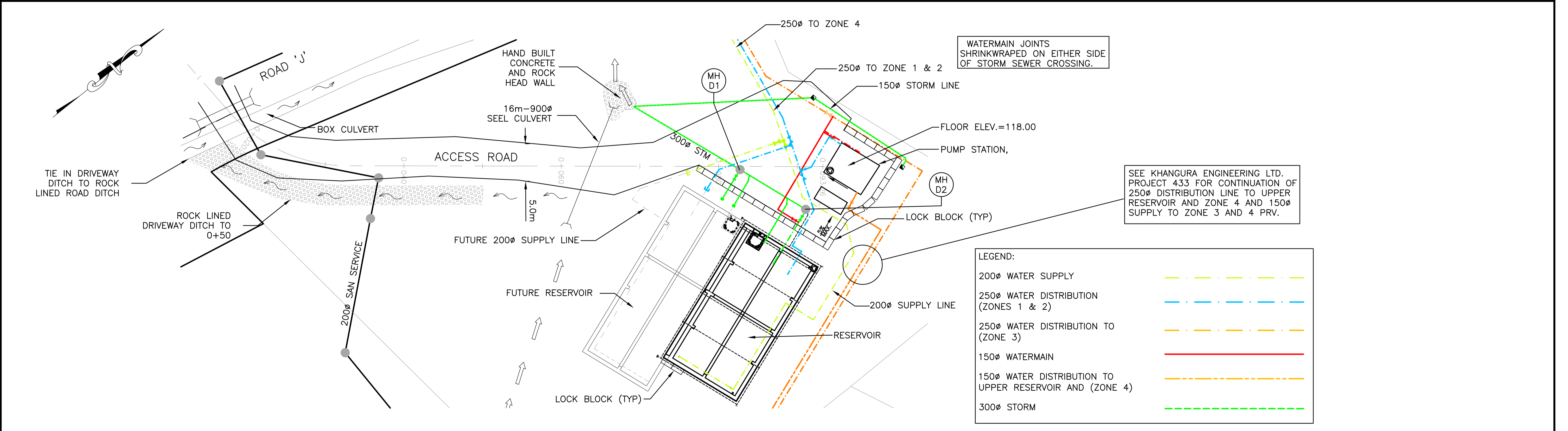
REV. SET: 7



STORM SEWER INVERT, LENGTH, & GRADE
16.91SE 15.6m-300Ø STORM DR35 AT 1.0%
17.07NW 17.10SE 17.20NW

FINISHED ACCESS ELEVATIONS AT ROAD CL
116.60 116.73 116.478 120.29 118.402 119.44 119.640 119.44 118.980 118.16

ROAD CL CHAINAGE
0+040 0+080



CLIENT/DEVELOPER:
BRITANNIA BAY PROPERTIES LTD.
 11th FLOOR, 938 HOWE STREET
 VANCOUVER BC V6Z 1N9
 TEL.: 604-331-6018 FAX: 604-331-6048

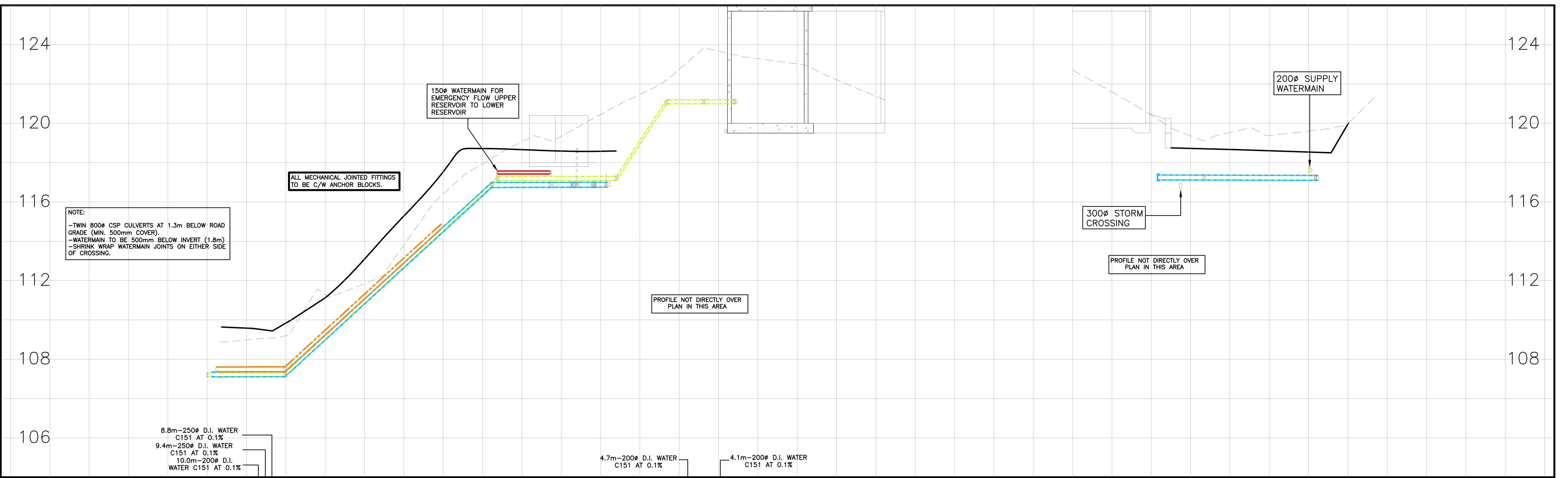
ENGINEER:
KHANGURA ENGINEERING LTD.
 204-33119 SOUTH FRASER WAY
 ABBOTSFORD BC V2S 2B1
 TEL.: (604)852-4542
 FAX: (604)853-9625
 EMAIL:kel@uniserve.com

NO.	DATE	BY	REVISIONS	TECH. ENG.
6	06-11-21	OD	AS CONSTRUCTED	GWD B.K.
5	05-08-26	AP	GENERAL REVISION	GWD B.K.
4	05-06-23	BY	REVISIONS AS PER DAYTON & KNIGHT LTD.	GWD B.K.
3	05-05-31	BY	REVISIONS AS PER DAYTON & KNIGHT LTD.	GWD B.K.
2	05-05-10	BY	ADD CULVERTS, DITCHES AND SPOT ELEVATIONS	GWD B.K.
1	05-04-12	BY	REALIGN ACCESS, PUMPHOUSE & CHANGE SCALE	GWD B.K.

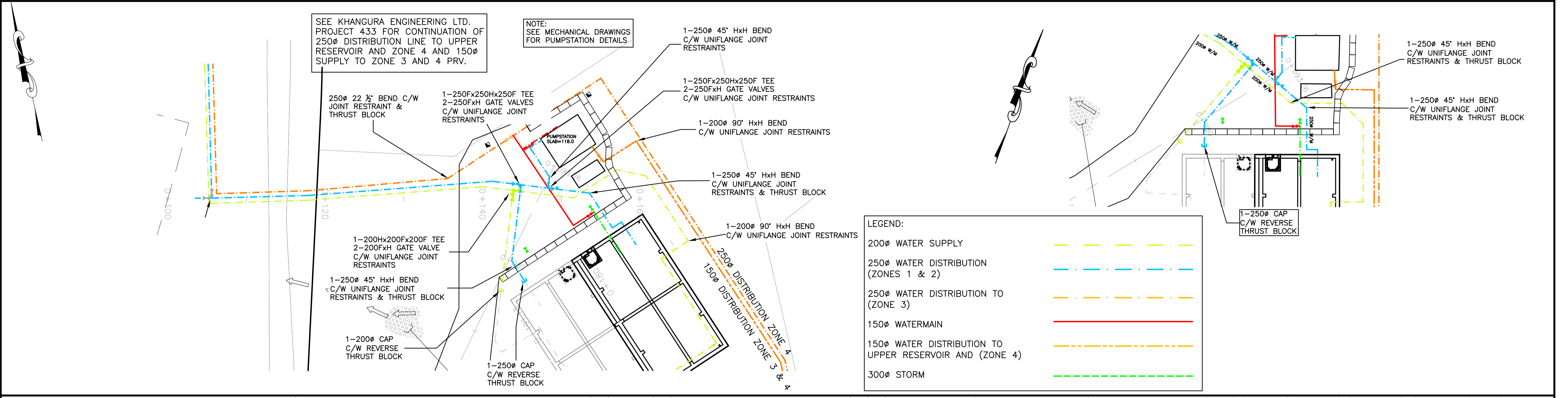
PROJECT NO:	436	SHEET NO:	3 OF 6
DATE:	05-04-13	DWN BY:	DC
DESIGN:	GWD	SCALE HORZ:	1:250
SCALE VERT:	1:25		

SQUAMISH-LILLOOET REGIONAL DISTRICT
BRITANNIA BEACH LOWER RESERVOIR
ACCESS ROAD
PLAN & PROFILE

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WATERMAIN INVERT, LENGTH, & GRADE (SUPPLY)	107.106	107.557	26.19m-200ø D.I. WATER C151 AT 36.39%	117.088	15.5m-200ø D.I. WATER C151 AT 0.1%	116.753	6.9m-200ø D.I. WATER C151 AT 61.4%	120.991	4.7m-200ø D.I. WATER C151 AT 0.1%	120.997	4.1m-200ø D.I. WATER C151 AT 0.1%	121.000	SUPPLY WATERMAIN TO HAVE UNIFLANGE 1300 JOINT RESTRAINTS ON EVERY FITTING & 1390 ON EACH PIPE JOINT.	
WATERMAIN INVERT, LENGTH, & GRADE (OUTLETS, ZONES 1 & 2)	107.107	107.557	26.13m-250ø D.I. WATER C151 AT 35.13%	116.737	6.6m-250ø D.I. WATER C151 AT 0.1%	117.095	ZONE 1 & 2 WATERMAIN TO HAVE UNIFLANGE 1300 JOINT RESTRAINTS ON EVERY FITTING & 1390 ON EACH PIPE JOINT.	117.101		117.121	6m-250ø D.I. WATER C151 AT 0.1%	117.115	14.4m-250ø D.I. WATER C151 AT 0.1%	117.100
WATERMAIN INVERT, LENGTH, & GRADE (ZONE 4 & UPPER RESERVOIR)	107.357	107.681	19.78m-250ø D.I. WATER C151 AT 35.08%	114.620	5.9m-250ø D.I. WATER C151 AT 0.1%		ZONE 4 WATERMAIN TO HAVE UNIFLANGE 1400 JOINT RESTRAINTS ON EVERY FITTING & 1450 ON EACH PIPE JOINT, C/W THRUST BLOCKS ON ALL HORIZONTAL AND VERTICAL BENDS. VERTICAL THRUST BLOCK TO INCLUDE TRENCH ANCHOR.			122.72		119.53		121.32
ROAD CL CHAINAGE	0+100	0+120		0+140						0+100		0+120		



CLIENT/DEVELOPER:
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 11th FLOOR, 938 HOWE STREET
 VANCOUVER BC V6Z 1N9
 TEL.: 604-331-6018 FAX: 604-331-6048

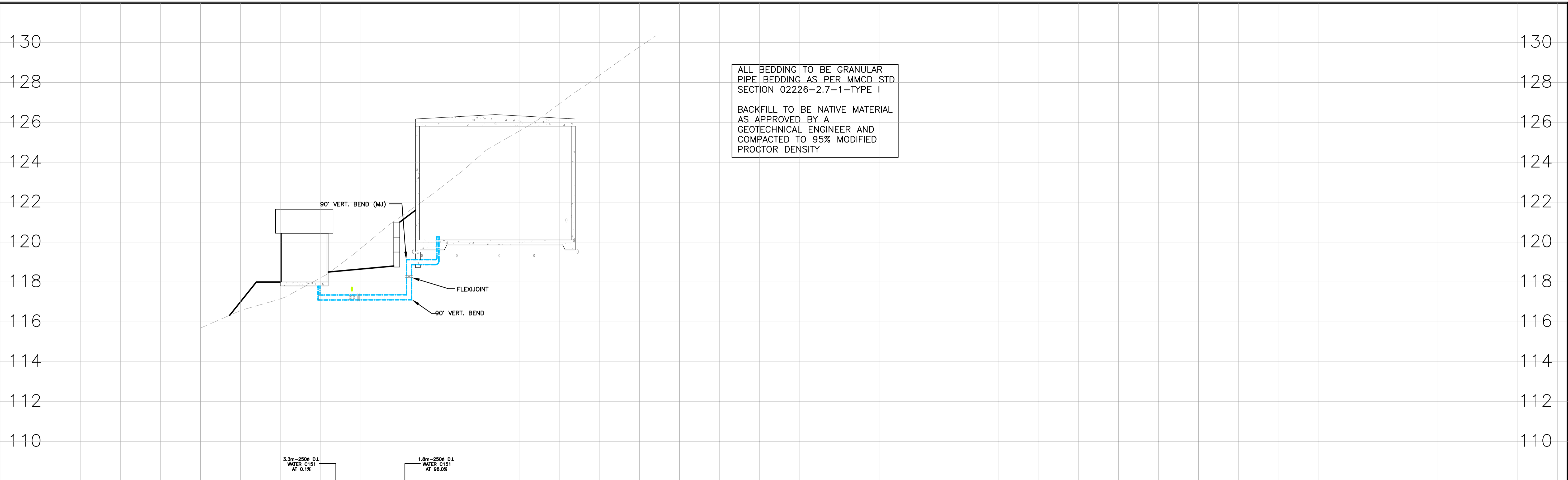
ENGINEER:
KHANGURA ENGINEERING LTD.
 204-33119 SOUTH FRASER WAY
 ABBOTSFORD BC V2S 2B1
 TEL.: (604)852-4542
 FAX: (604)853-9625
 EMAIL:kel@uniserve.com

NO.	DATE	BY	REVISIONS	TECH. ENG.
6	06-11-21	OD	AS CONSTRUCTED	GWD B.K.
4	05-10-20	AP	GENERAL REVISION	GWD B.K.
3	05-08-26	AP	GENERAL REVISION	GWD B.K.
2	05-05-10	BY	ADJUST WATERMAIN GRADES & FITTING LOCATIONS	GWD B.K.
1	05-04-12	BY	REALIGN ACCESS, PUMPHOUSE & CHANGE SCALE	GWD B.K.

PROJECT NO:	436	SHEET NO:	4 OF 6
DATE:	05-04-13	DWN BY:	DC
DESIGN:	GWD	SCALE HORZ:	1:250
SCALE VERT:	1:100		

SQUAMISH-LILLOOET REGIONAL DISTRICT
BRITANNIA BEACH LOWER RESERVOIR
ACCESS ROAD
PLAN & PROFILE

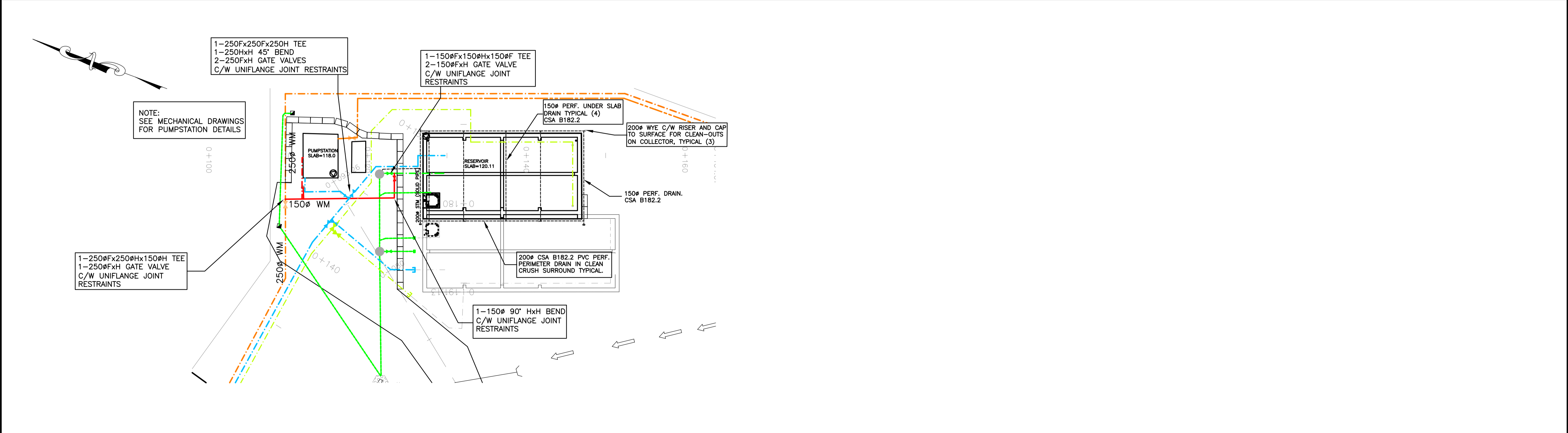
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WATERMAIN INVERT, LENGTH, & GRADE (OUTLET)
3.3m-250# D.I. WATER C151 AT 0.1% 117.097
6.7m-250# D.I. WATER C151 AT 0.1% 117.101
1.8m-250# D.I. WATER C151 AT 0.60% 118.870

SECTION CL ELEVATIONS
115.69
119.66
125.58
131.14

ROAD CL CHAINAGE
0+100
0+120
0+140
0+1



CLIENT/DEVELOPER:
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 11th FLOOR, 938 HOWE STREET
 VANCOUVER BC V6Z 1N9
 TEL.: 604-331-6018 FAX: 604-331-6048

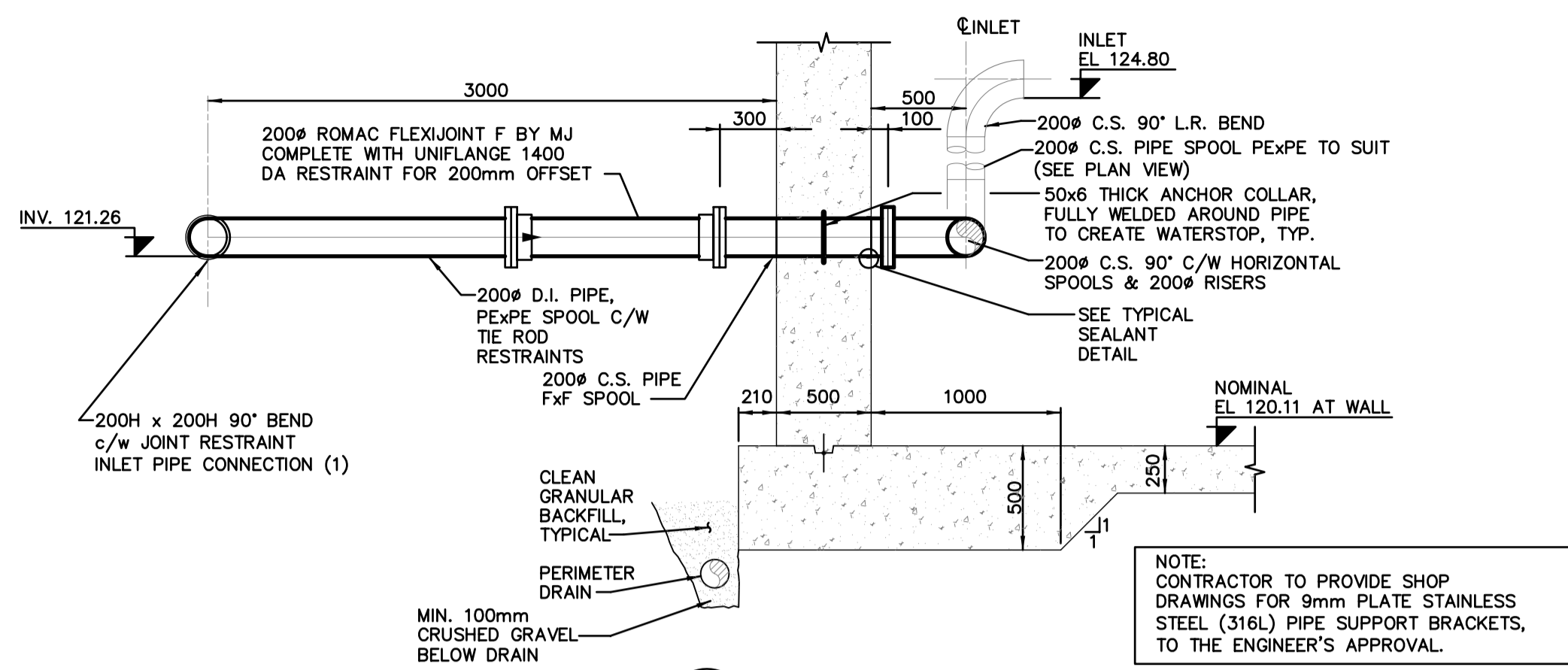
ENGINEER:
KHANGURA ENGINEERING LTD.
 204-33119 SOUTH FRASER WAY
 ABBOTSFORD BC V2S 2B1
 TEL.: (604)852-4542
 FAX: (604)853-9625
 EMAIL:kel@uniserve.com

NO.	DATE	BY	REVISIONS	TECH. ENG.
6	06-11-21	OD	AS CONSTRUCTED	GWD B.K.
5	05-10-20	AP	GENERAL REVISION	GWD B.K.
4	05-08-26	AP	GENERAL REVISION	GWD B.K.
3	05-06-23	BY	REVISIONS AS PER DAYTON & KNIGHT LTD.	GWD B.K.
2	05-05-31	BY	REVISIONS AS PER DAYTON & KNIGHT LTD.	GWD B.K.
1	05-05-10	BY	ADJUST RETAINING WALL AND COVER TO TANK	GWD B.K.

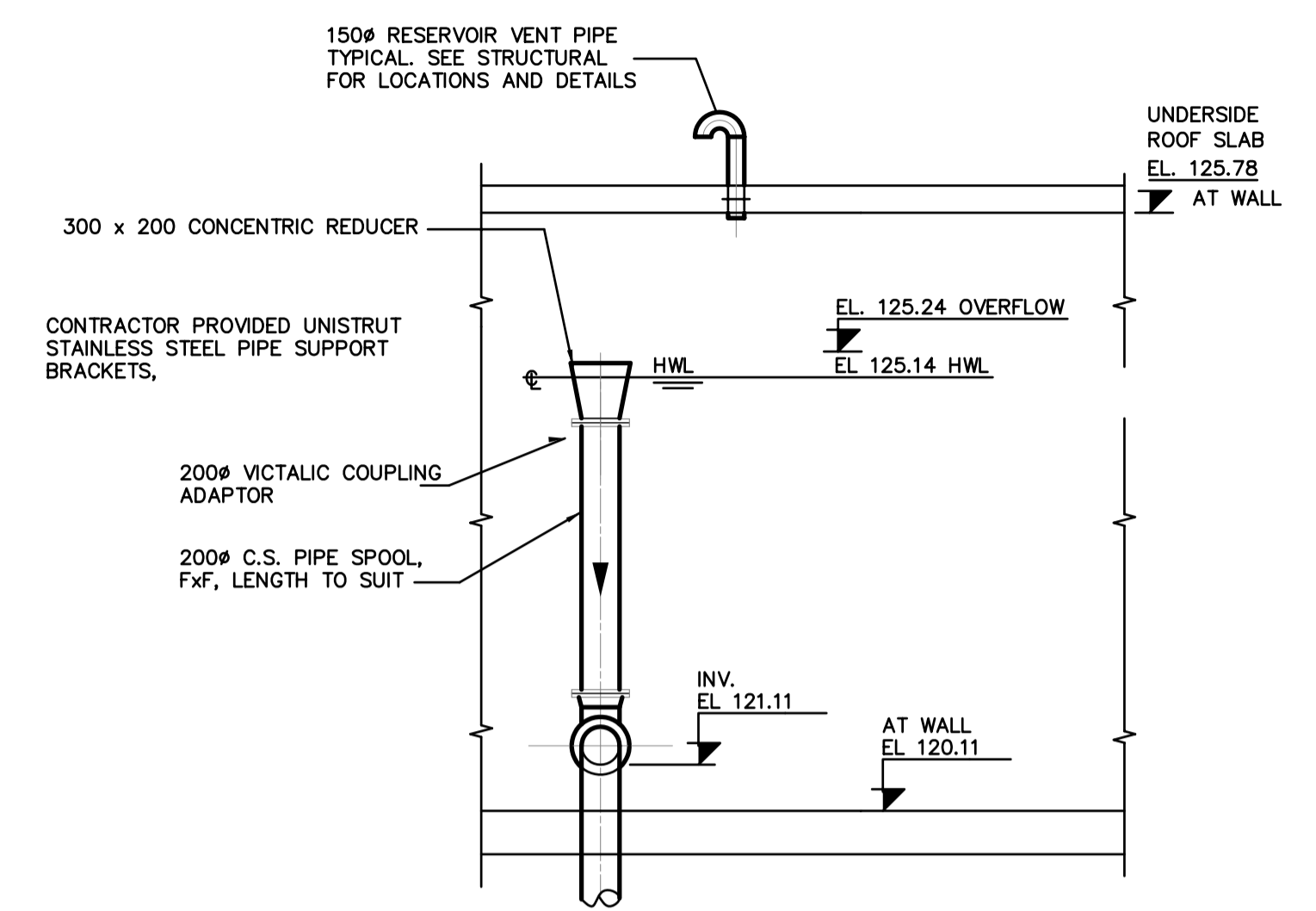
PROJECT NO:	436	SHEET NO:	5 OF 6
DATE:	05-04-13	DWN BY:	DC
DESIGN:	GWD	SCALE HORZ:	1:250
SCALE VERT:	1:100		

SQUAMISH-LILLOOET REGIONAL DISTRICT
BRITANNIA BEACH LOWER RESERVOIR
OUTLET TO PUMP STATION
PLAN & PROFILE

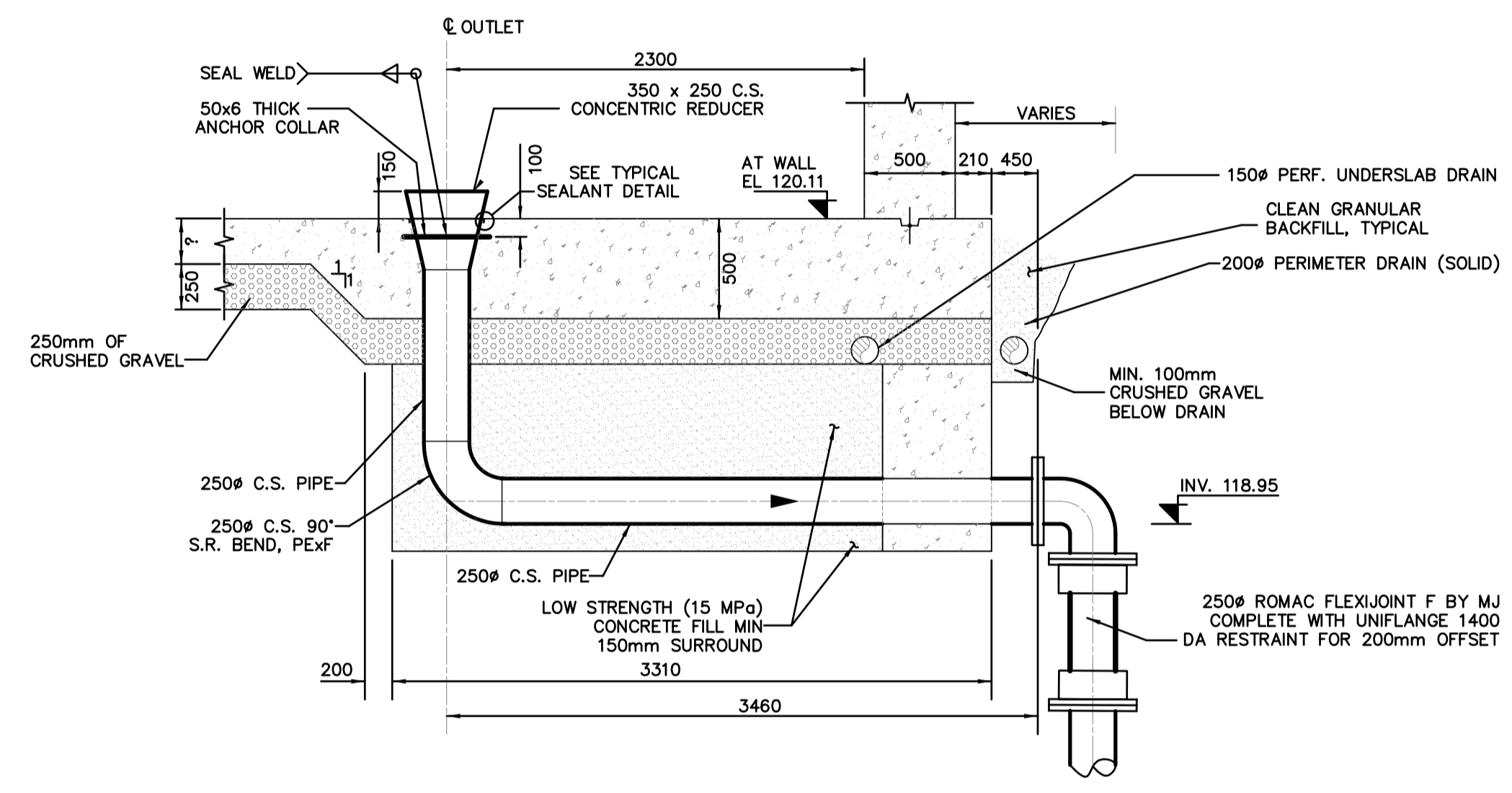
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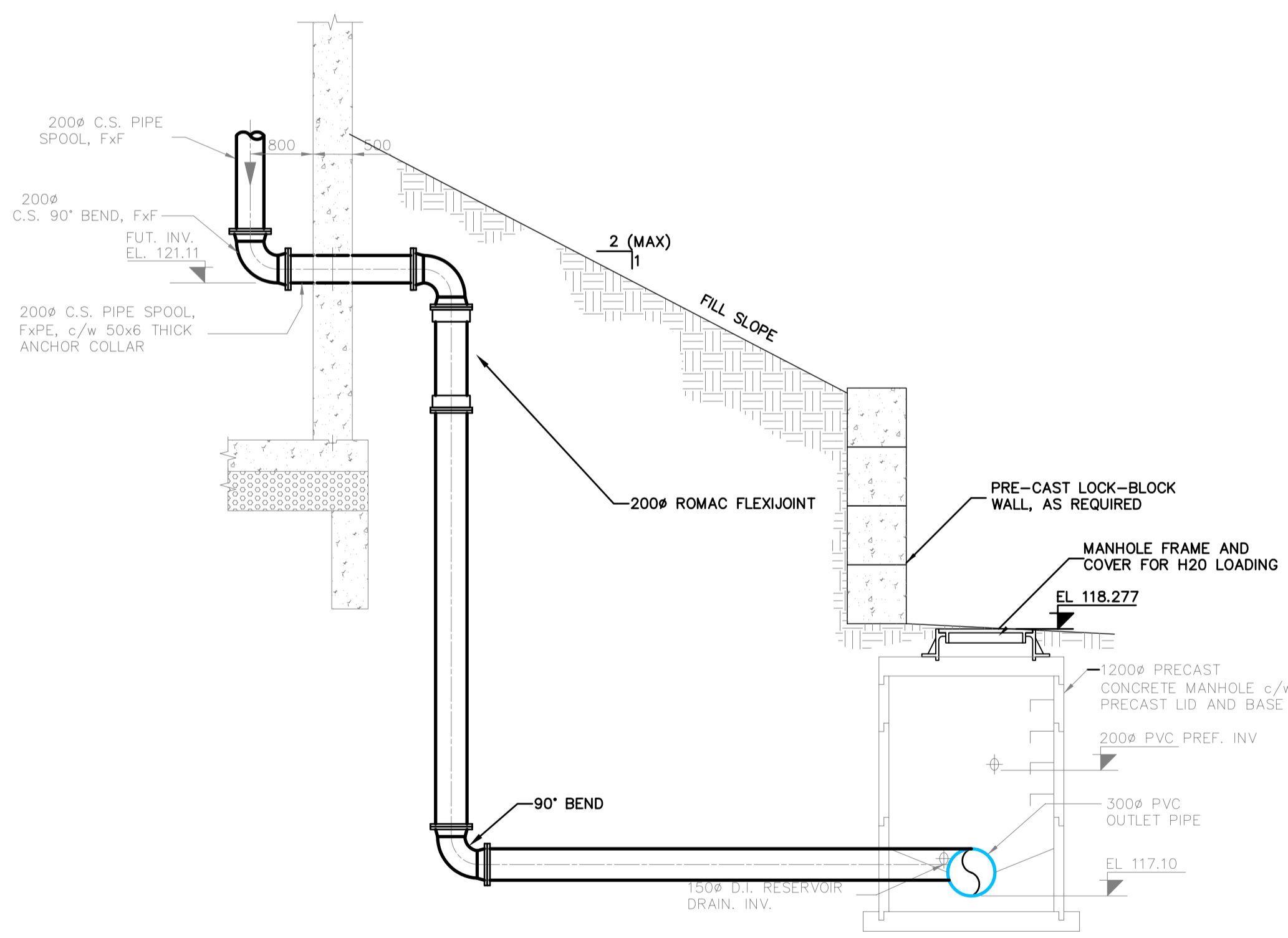
DETAIL 1
N.T.S. C-01 RESERVOIR INLET DETAIL



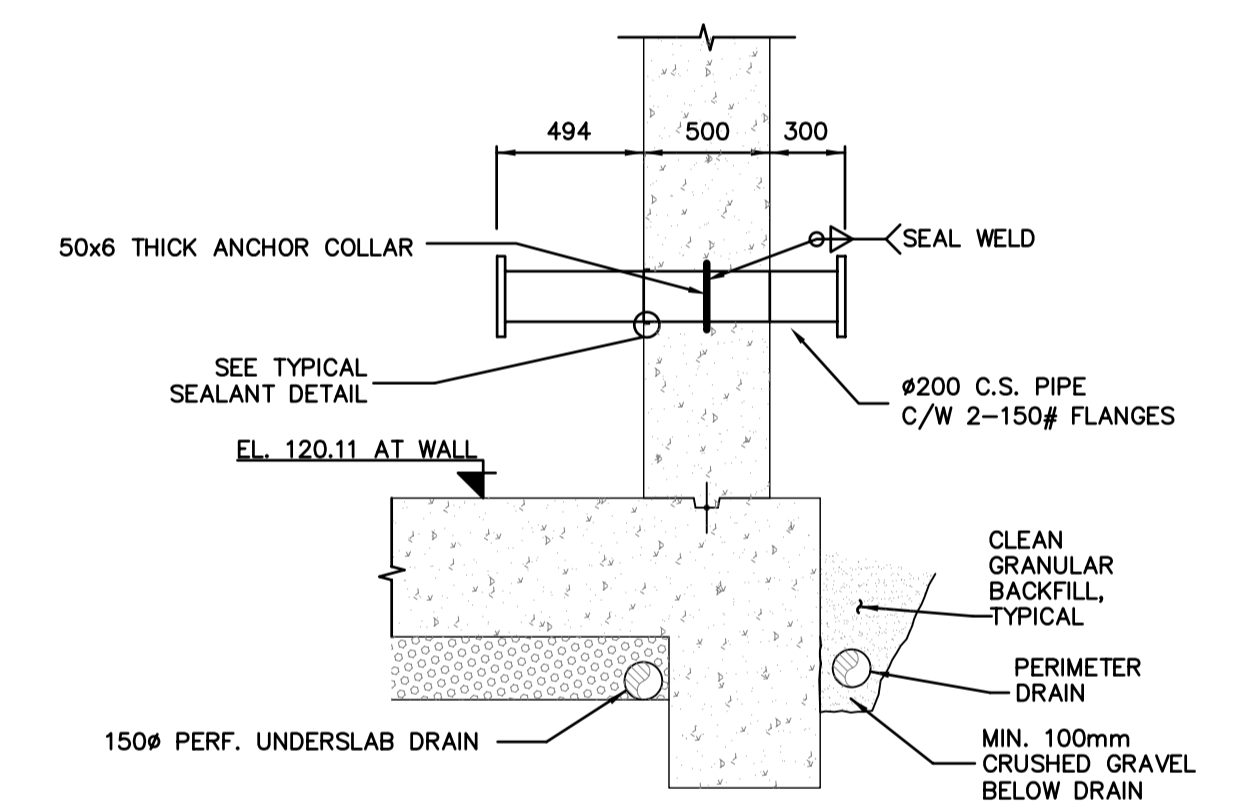
DETAIL 4
N.T.S. C-01 OVERFLOW DETAIL



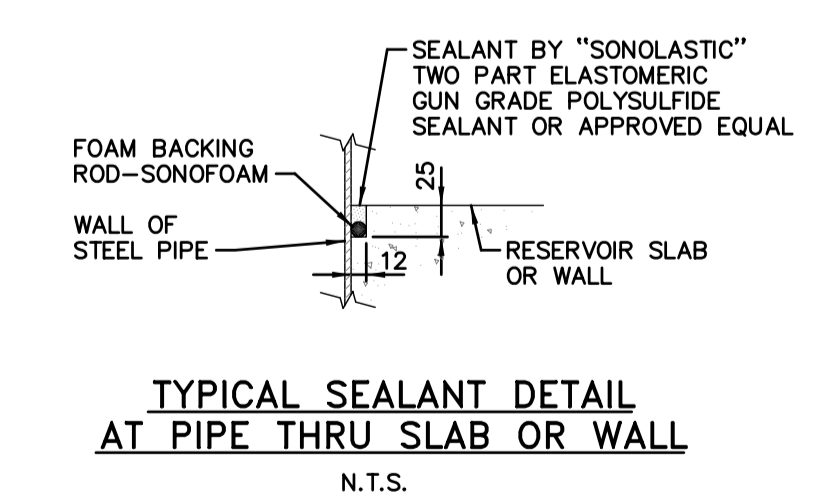
DETAIL 2
N.T.S. C-01 RESERVOIR OUTLET DETAIL



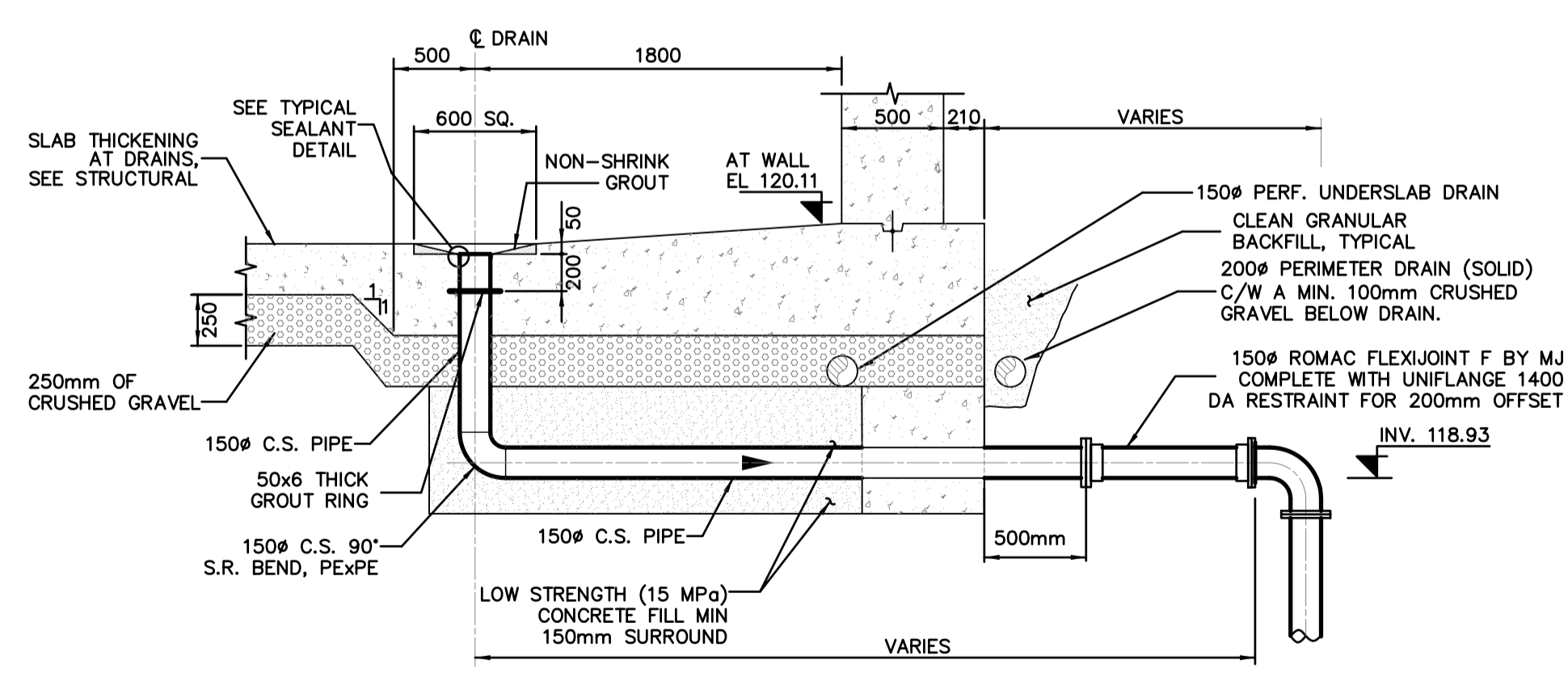
SECTION B
N.T.S. C-01 OVERFLOW MANHOLE D2-DETAIL



THROUGH WALL-OVERFLOW DETAIL
N.T.S. C-01



TYPICAL SEALANT DETAIL
AT PIPE THRU SLAB OR WALL
N.T.S.



DETAIL 3
N.T.S. C-01 RESERVOIR DRAIN DETAIL

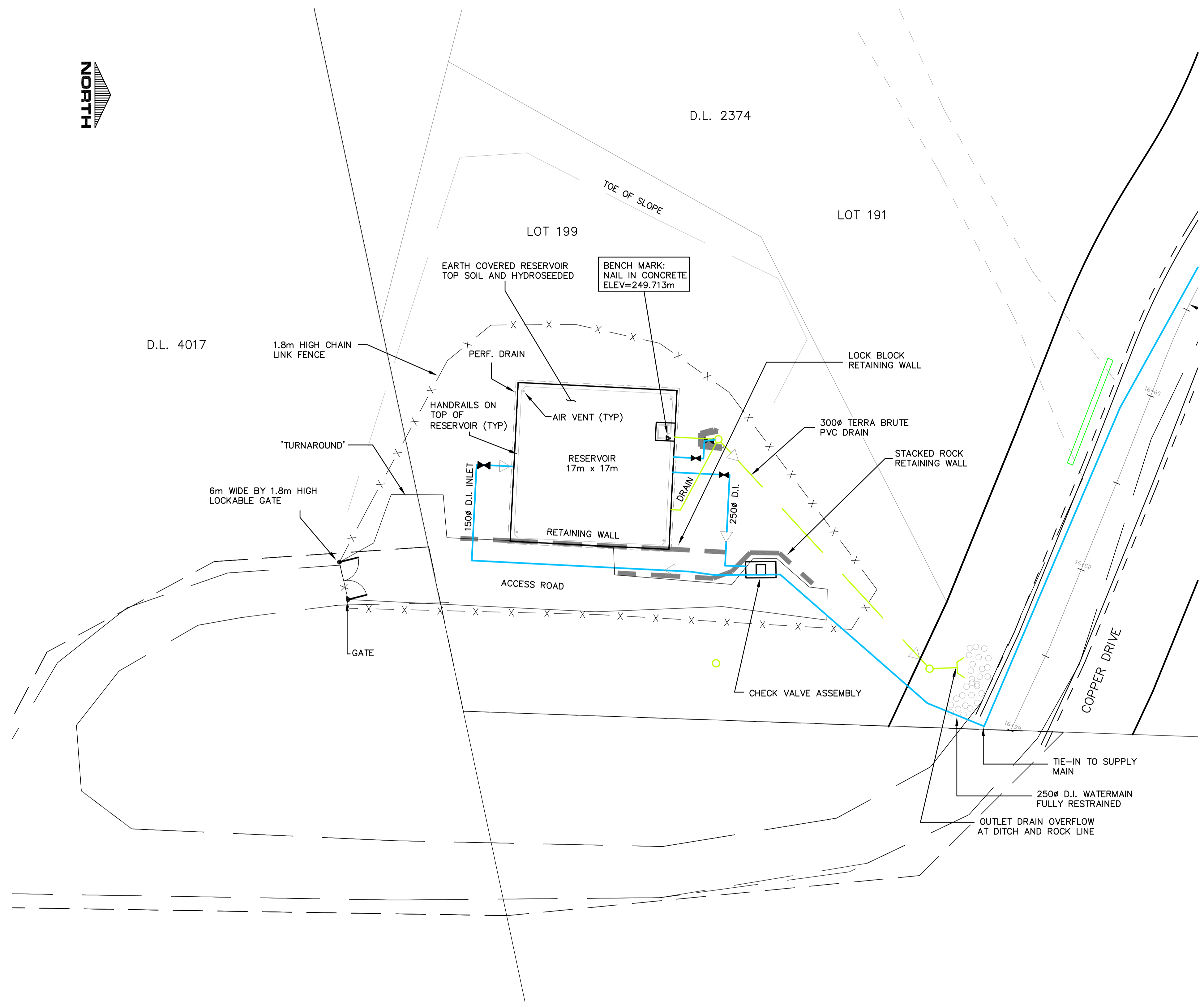
CLIENT/DEVELOPER:
BRITANNIA BAY PROPERTIES LTD.
11th FLOOR, 938 HOWE STREET
VANCOUVER BC V6Z 1N9
TEL.: 604-331-6018 FAX: 604-331-6048

ENGINEER:
KHANGURA ENGINEERING LTD.
204-33119 SOUTH FRASER WAY
ABBOTSFORD BC V2S 2B1
TEL.: (604)852-4542
FAX: (604)853-9625
EMAIL:kel@uniserve.com

NO.	DATE	BY	REVISIONS	TECH. ENG.
6	06-11-21	OD	AS CONSTRUCTED	GWD B.K.
4	05-06-23	BY	REVISIONS AS PER DAYTON & KNIGHT LTD.	GWD B.K.
3	05-05-31	BY	REVISIONS AS PER DAYTON & KNIGHT LTD.	GWD B.K.
2	05-05-10	DC	REVISED DETAIL-OVERFLOW & UNDERSLAB DRAINS	GWD B.K.
1	05-04-21	DC	ADD SLAB KEY, UNDERSLAB DRAINS & SECTIONS	GWD B.K.

PROJECT NO: 436
DATE: 05-04-13
SHEET NO: 6 OF 6
DWN BY: DC
DESIGN: GWD
SCALE HORZ: N.T.S.

SQUAMISH-LILLOOET REGIONAL DISTRICT
BRITANNIA BEACH
LOWER RESERVOIR DETAILS



CLIENT/DEVELOPER:
BRITANNIA BAY PROPERTIES LTD.
 11th FLOOR, 938 HOWE STREET
 VANCOUVER BC V6Z 1N9
 TEL.: 604-331-6018 FAX: 604-331-6048

ENGINEER:
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 ABBOTSFORD BC V2S 2B1
 TEL.: (604)852-4542
 FAX: (604)853-9625
 EMAIL:kel@uniserve.com

NO.	DATE	BY	REVISIONS	TECH. ENG.
4	06-12-18	AP	AS CONSTRUCTED RECORD DRAWING	GWD B.K.
3	05-10-20	AP	REVISIONS AS PER REVIEW	GWD B.K.
2	05-10-14	AP	REVISIONS AS PER REVIEW	GWD B.K.
1	03-07-05	DC	SUBMISSION FOR APPROVAL	GWD B.K.

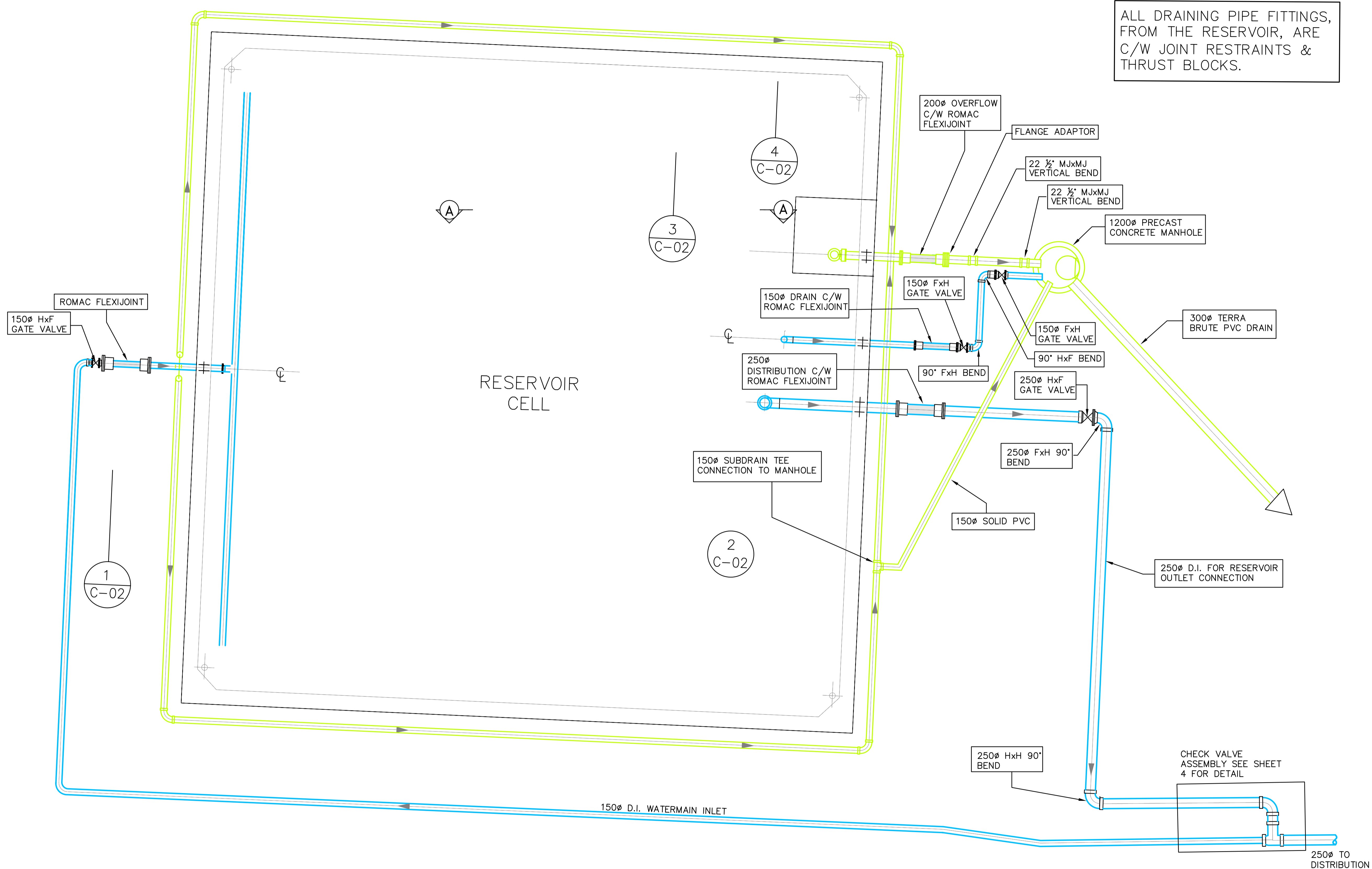
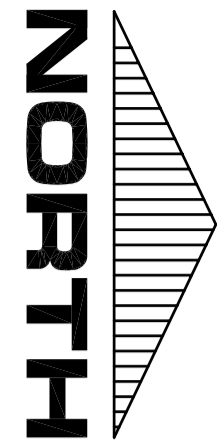
PROJECT NO: 436
 DATE: 05-02-17
 DWN BY: AP/DC
 DESIGN: B.K.
 SCALE HORZ: 1:250

SHEET NO: 1 OF 4

SQUAMISH-LILLOOET REGIONAL DISTRICT

**BRITANNIA BEACH
 RESERVOIR DETAILS
 ZONE 4 UPPER RESERVOIR**

REV. SET: 4



ALL DRAINING PIPE FITTINGS,
FROM THE RESERVOIR, ARE
C/W JOINT RESTRAINTS &
THRUST BLOCKS.

CLIENT/DEVELOPER:
BRITANNIA BAY PROPERTIES LTD.
11th FLOOR, 938 HOWE STREET
VANCOUVER BC V6Z 1N9
TEL.: 604-331-6018 FAX: 604-331-6048

ENGINEER:
KHANGURA ENGINEERING LTD.
204-33119 SOUTH FRASER WAY
ABBOTSFORD BC V2S 2B1
TEL.: (604)852-4542
FAX: (604)853-9625
EMAIL:kel@uniserve.com

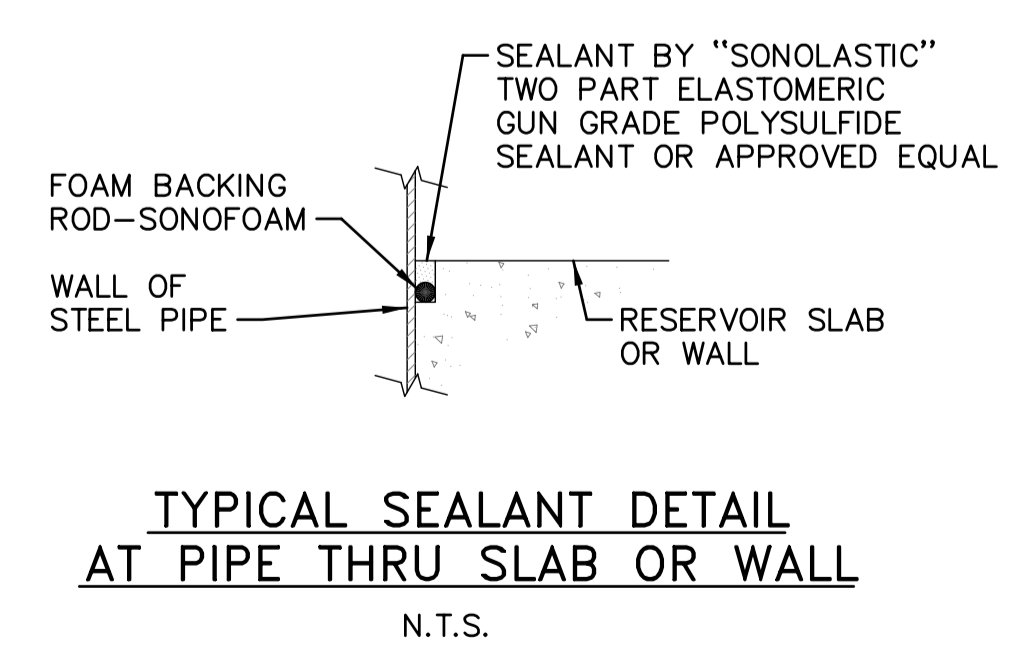
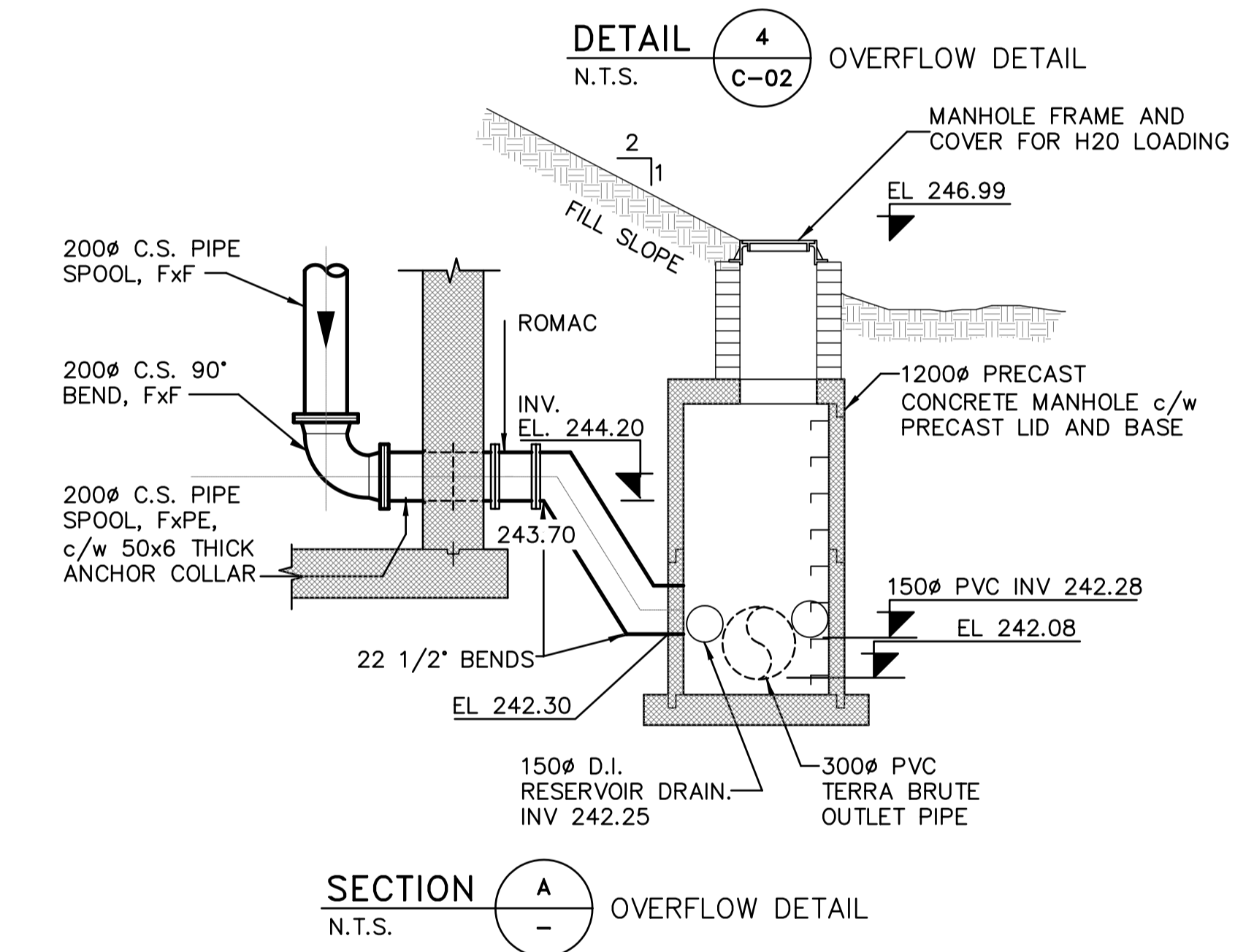
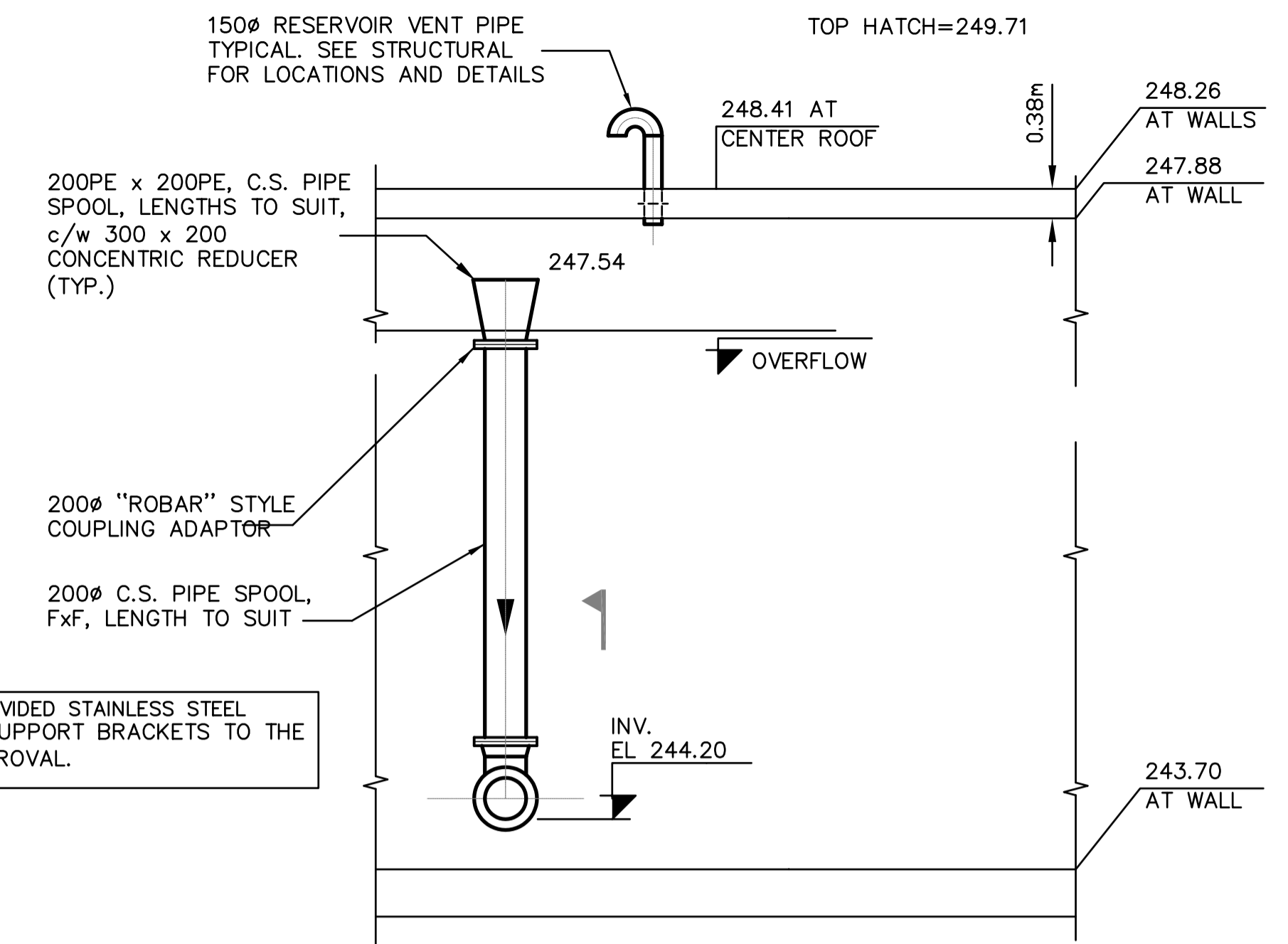
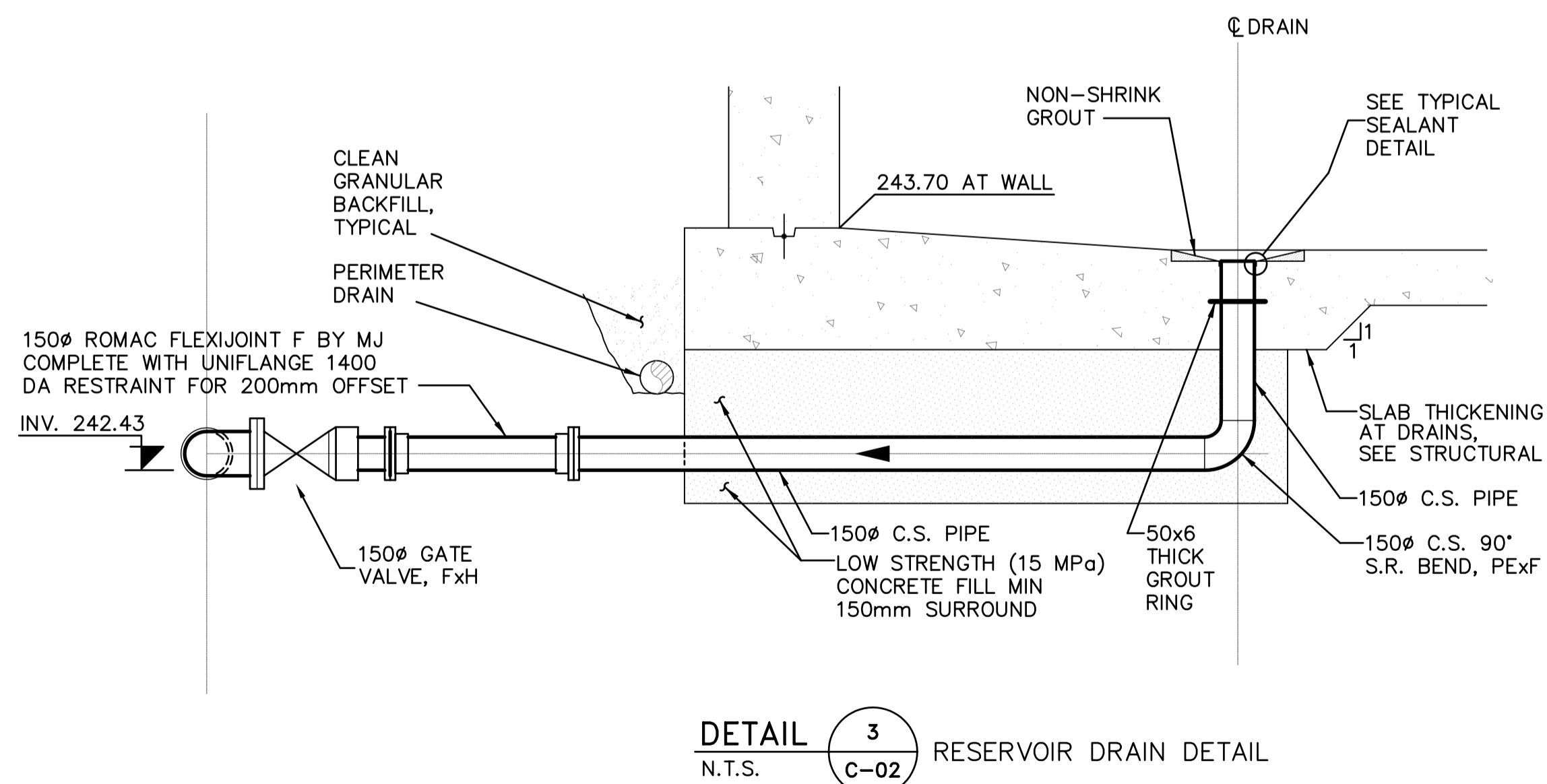
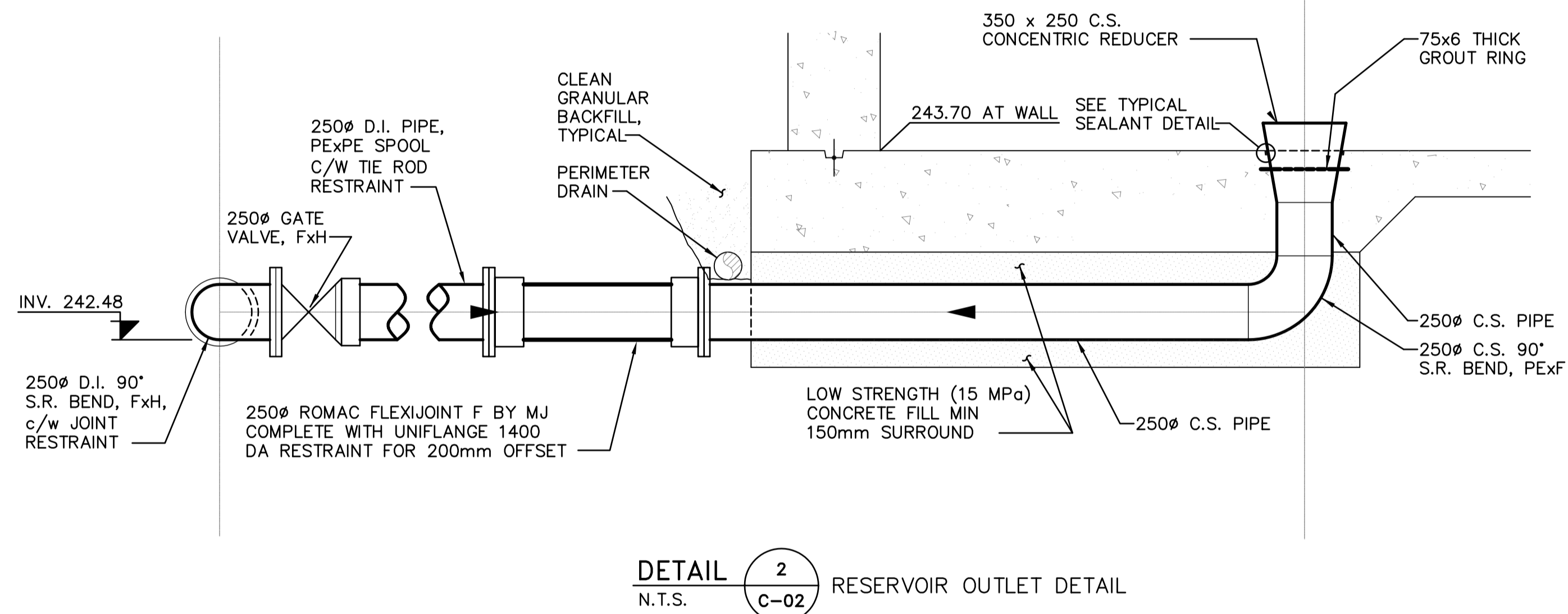
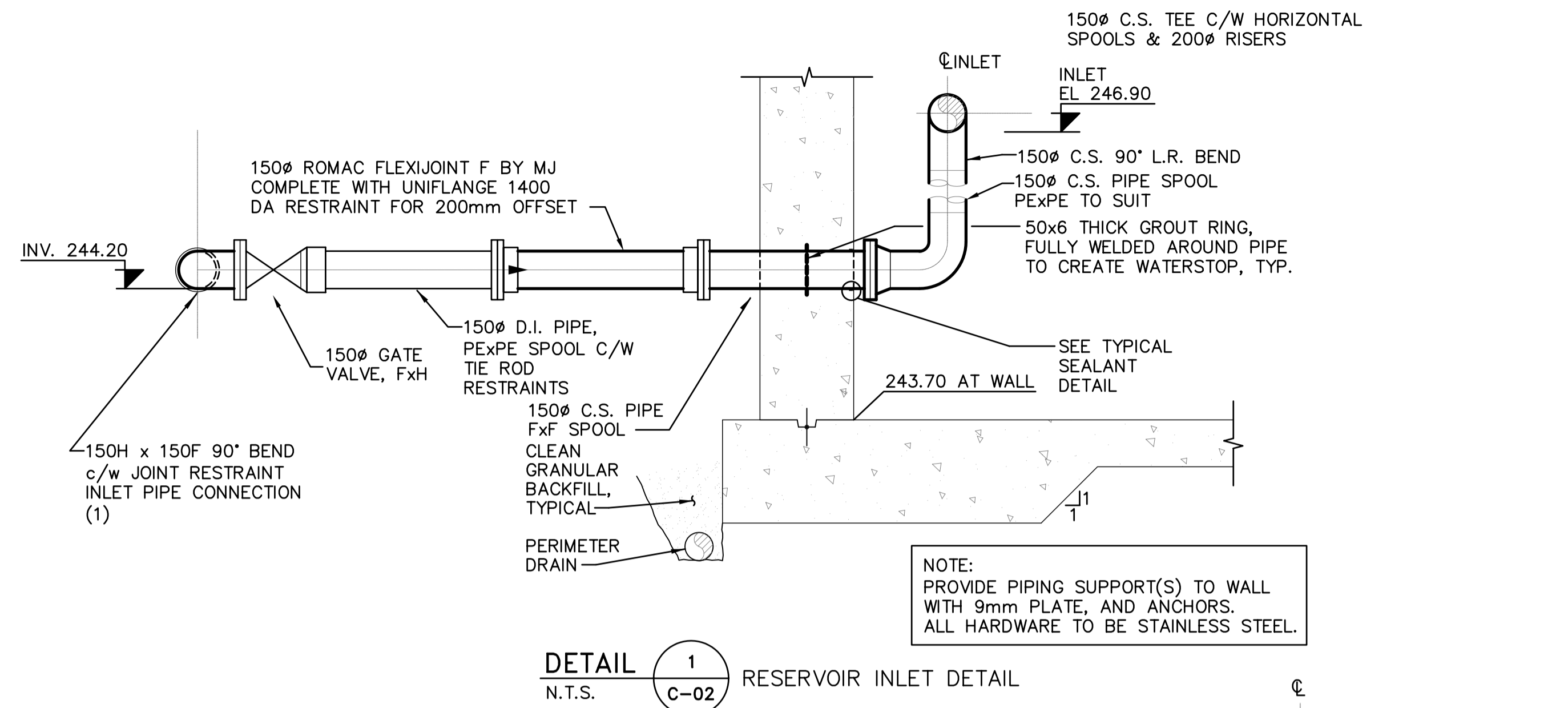
NO.	DATE	BY	REVISIONS	TECH. ENG.
4	06-12-18	AP	AS CONSTRUCTED RECORD DRAWING	GWD B.K.
3	05-10-20	AP	REVISIONS AS PER REVIEW	GWD B.K.
2	05-10-14	AP	REVISIONS AS PER REVIEW	GWD B.K.
1	03-07-05	DC	SUBMISSION FOR APPROVAL	GWD B.K.

PROJECT NO: 436
DATE: 05-02-17
DWN BY: AP/DC
DESIGN: B.K.
SCALE HORZ: 1 : 50

SHEET NO: 2 OF 4

SQUAMISH-LILLOOET REGIONAL DISTRICT
BRITANNIA BEACH
PIPING PLAN
ZONE 4 UPPER RESERVOIR

REV. SET: 4



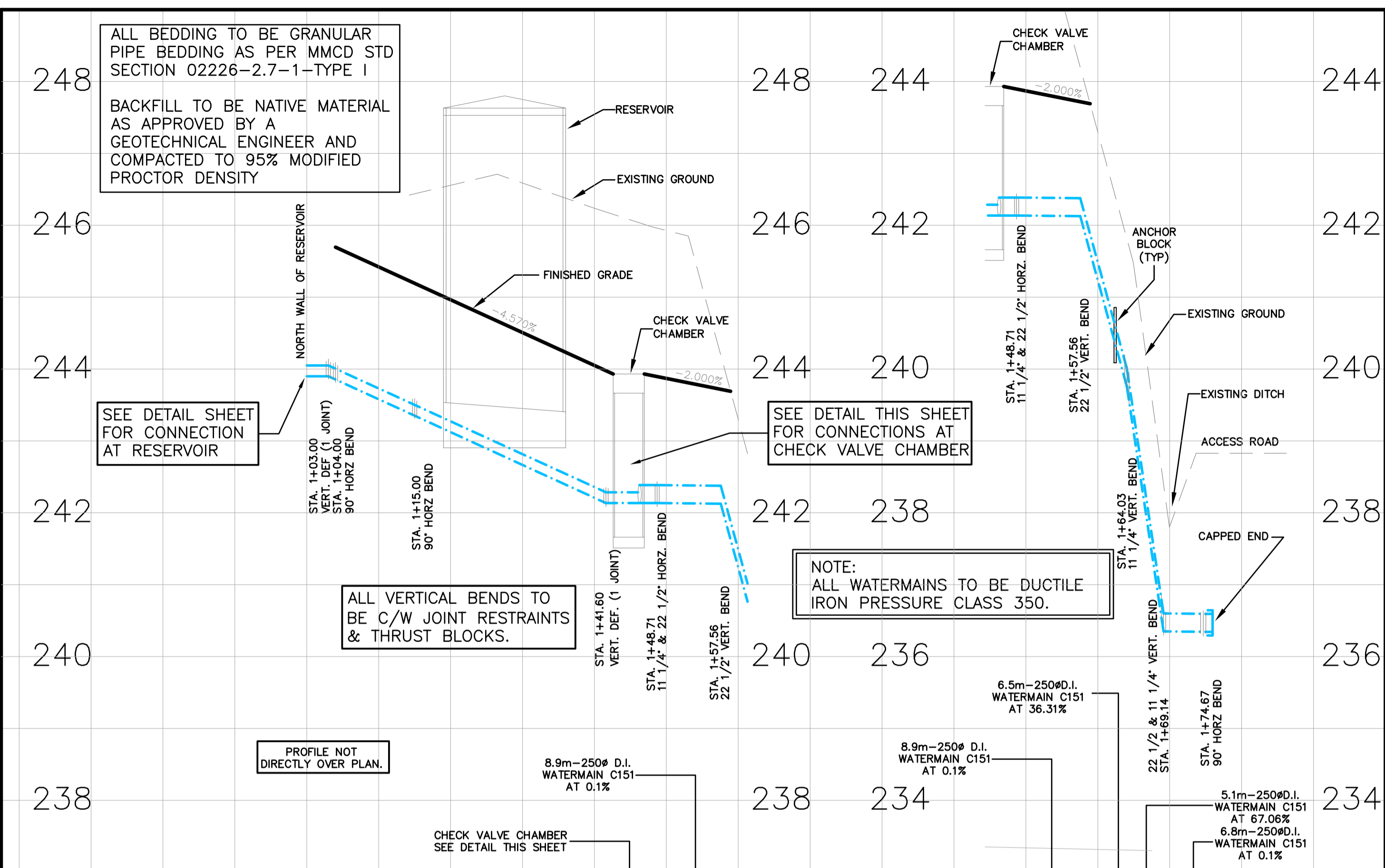
CLIENT/DEVELOPER:
BRITANNIA BAY PROPERTIES LTD.
11th FLOOR, 938 HOWE STREET
VANCOUVER BC V6Z 1N9
TEL.: 604-331-6018 FAX: 604-331-6048

ENGINEER:
KHANGURA ENGINEERING LTD.
204-33119 SOUTH FRASER WAY
ABBOTSFORD BC V2S 2B1
TEL.: (604)852-4542
FAX: (604)853-9625
EMAIL:kel@uniserve.com

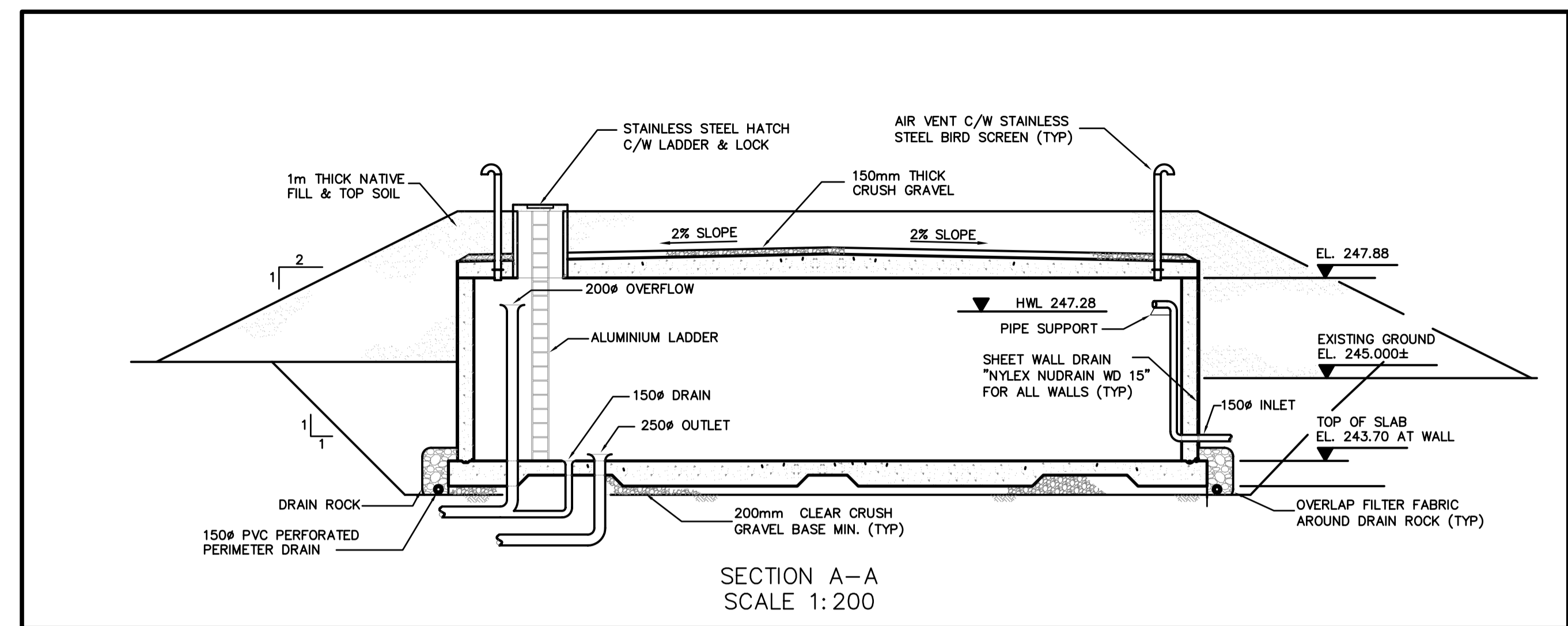
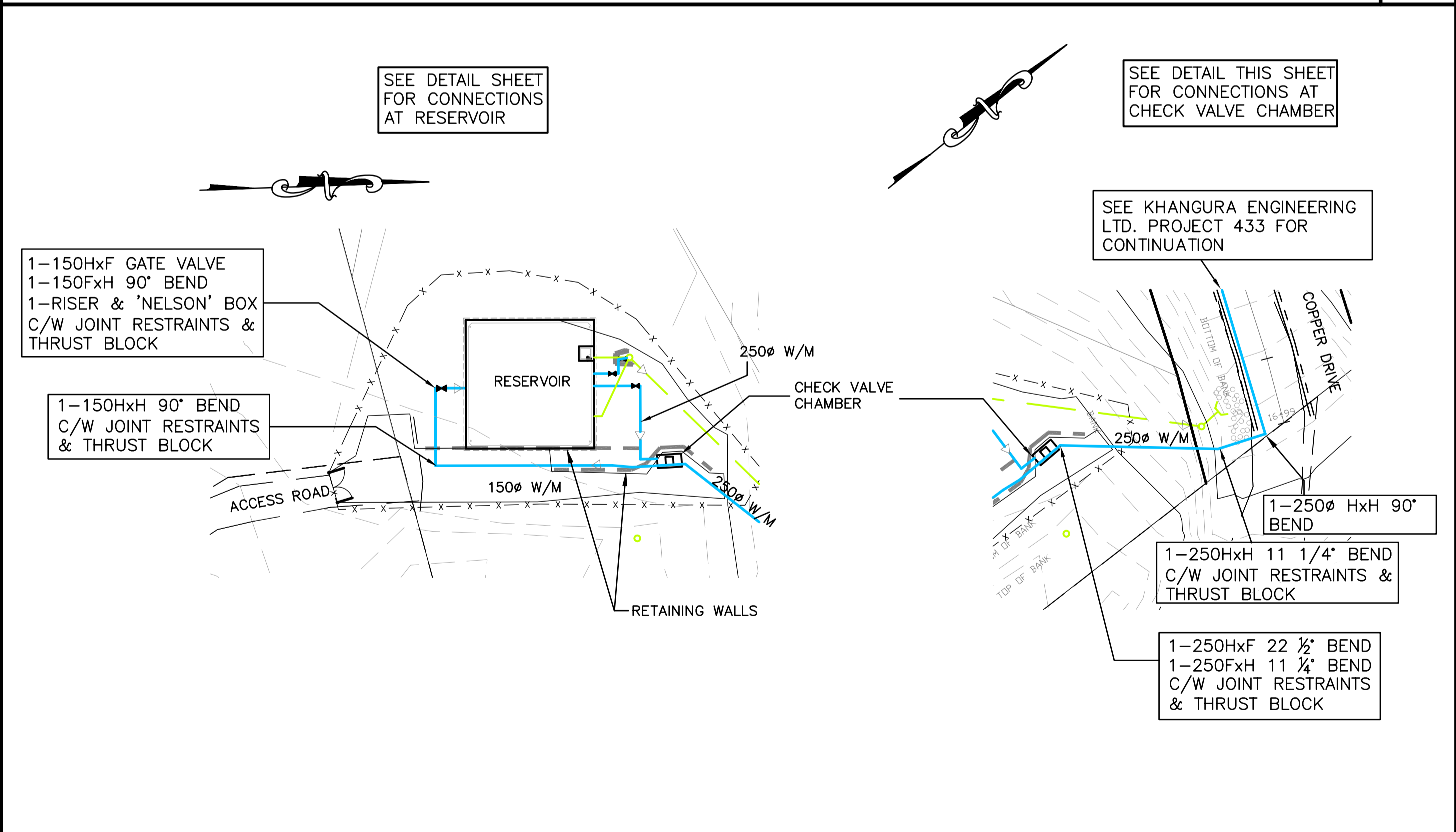
NO.	DATE	BY	REVISIONS	TECH. ENG.
4	06-12-18	AP	AS CONSTRUCTED RECORD DRAWING	GWD B.K.
3	05-10-20	AP	REVISION AS PER REVIEW	GWD B.K.
2	05-10-14	AP	REVISION AS PER REVIEW	GWD B.K.
1	03-07-05	DC	SUBMISSION FOR APPROVAL	GWD B.K.

PROJECT NO: 436
DATE: 05-02-17
DWN BY: AP
DESIGN: B.K.
SCALE HORZ: AS SHOWN

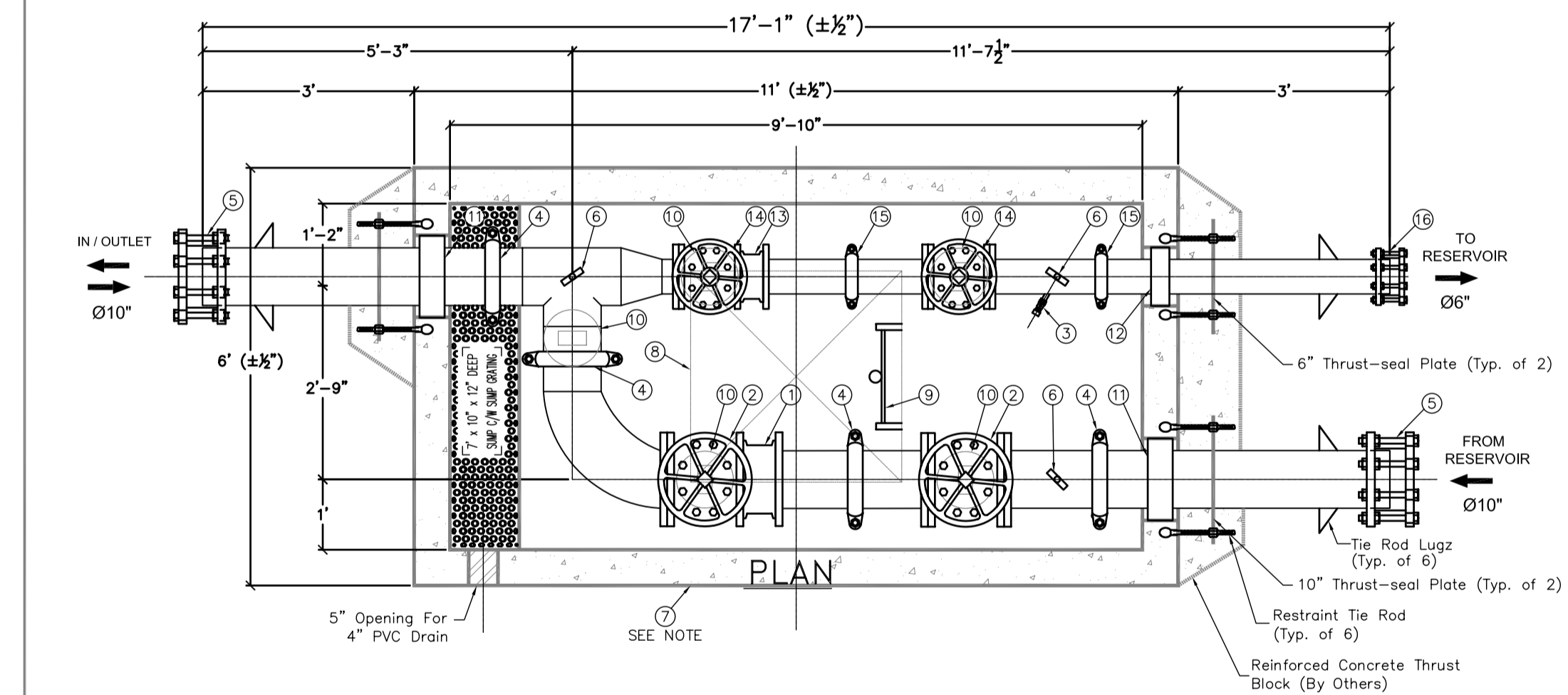
SHEET NO: 3 OF 4
SQUAMISH-LILLOOET REGIONAL DISTRICT
BRITANNIA BEACH
RESERVOIR DETAILS
ZONE 4 UPPER RESERVOIR



WATERMAIN INVERT, LENGTH, & GRADE	243.90	243.90	38.6m-150Ø D.I. WATERMAIN C151 AT 4.51%	246.42	246.56	244.964	246.59	246.24	244.050	245.61	243.30	245.61	243.30	237.81	238.83	235.34
FINISHED ACCESS ELEVATIONS AT ROAD CL																
ROAD CL CHAINAGE	1+00	1+20	1+40	1+60												



ALL 125 / 150 ANSI



STANDARD FABRICATION & FINISHING SPECIFICATION

FABRICATED STEEL PIPE & FITTINGS TO BE SCHEDULE NO. 40 STEEL PIPE FOR SIZES TO 10", AND 3/8" WALL FOR 12" AND LARGER. ALL 3" LARGER PIPE, INSIDE WETTED SURFACES TO BE SANDBLASTED, EPOXY LINED AND COATED TO ANMA C-210 AND NSF-61 SPECIFICATION. FINISH COATING WILL BE BLUE ENAMEL.

NOTE:

VAULT #10565 (H-20 LOADING)
INSIDE DIMENSIONS:
10' L x 5' W x 6'-6" H

No.	REVISIONS	DATE	APPRD
C			
B			
A			

BILL OF MATERIALS

ITEM	QTY	DESCRIPTION
1.	1	250Ø (10") APCO 9010.8 Check Valve Cast Iron Body, Bronze Doors Buna-n Seal - #150 Wafer Style
2.	2	250Ø (10") MUELLER A2360 NRS RW Gate Valve c/w Handwheel, Op. Nut & Valve Box - #125 Flgd
3.	1	19Ø (3/4") Hose Bib Assembly c/w Vacuum Breaker
4.	4	250Ø (10") VICTAULIC #07 Zero Flex Coupling
5.	3	250Ø (10") SMITH BLAIR Transition Coupling
6.	3	100Ø (4") Pressure Gauge (0-200psi) c/w Isolation Ball Valve
7.	1	#10565 Precast Concrete Vault c/w Black Exterior & White Interior, To Improve Lighting
8.	1	36" x 36" Single Door Aluminum Hatch H20-44 Class B Loading
9.	1	Aluminum Ladder And Safety Post
10.	5	Galvanized Steel Adjustable Pipe Support
11.	2	250Ø (10") PIPE SEAL PS-400 Assembly
12.	1	150Ø (6") PIPE SEAL PS-475 Assembly
13.	1	150Ø (6") APCO 9006.8 Check Valve Cast Iron Body, Bronze Doors Buna-n Seal - #150 Wafer Style
14.	2	150Ø (6") MUELLER A2360 NRS RW Gate Valve c/w Handwheel, Op. Nut & Valve Box - #125 Flgd
15.	2	150Ø (6") VICTAULIC #07 Zero Flex Coupling
16.	1	150Ø (6") SMITH BLAIR Transition Coupling

TITLE: 250Ø x 150Ø CHECK VALVE STATION

PROJECT: BRITANNIA BEACH UPPER RESERVOIR

QUOTE #: 05-01-0126

DATE: JUNE 22, 05 APP'D JY CK'D JH SHEET 1 OF

DRAWN: E. VEGA CAD DRAWING No. 058366-51 REV

SCALE: 1/2" = 1'

SHOP DRAWINGS BY
BCA
N.T.S.

CLIENT/DEVELOPER:
BRITANNIA BAY PROPERTIES LTD.
11th FLOOR, 938 HOWE STREET
VANCOUVER BC V6Z 1N9
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ENGINEER:
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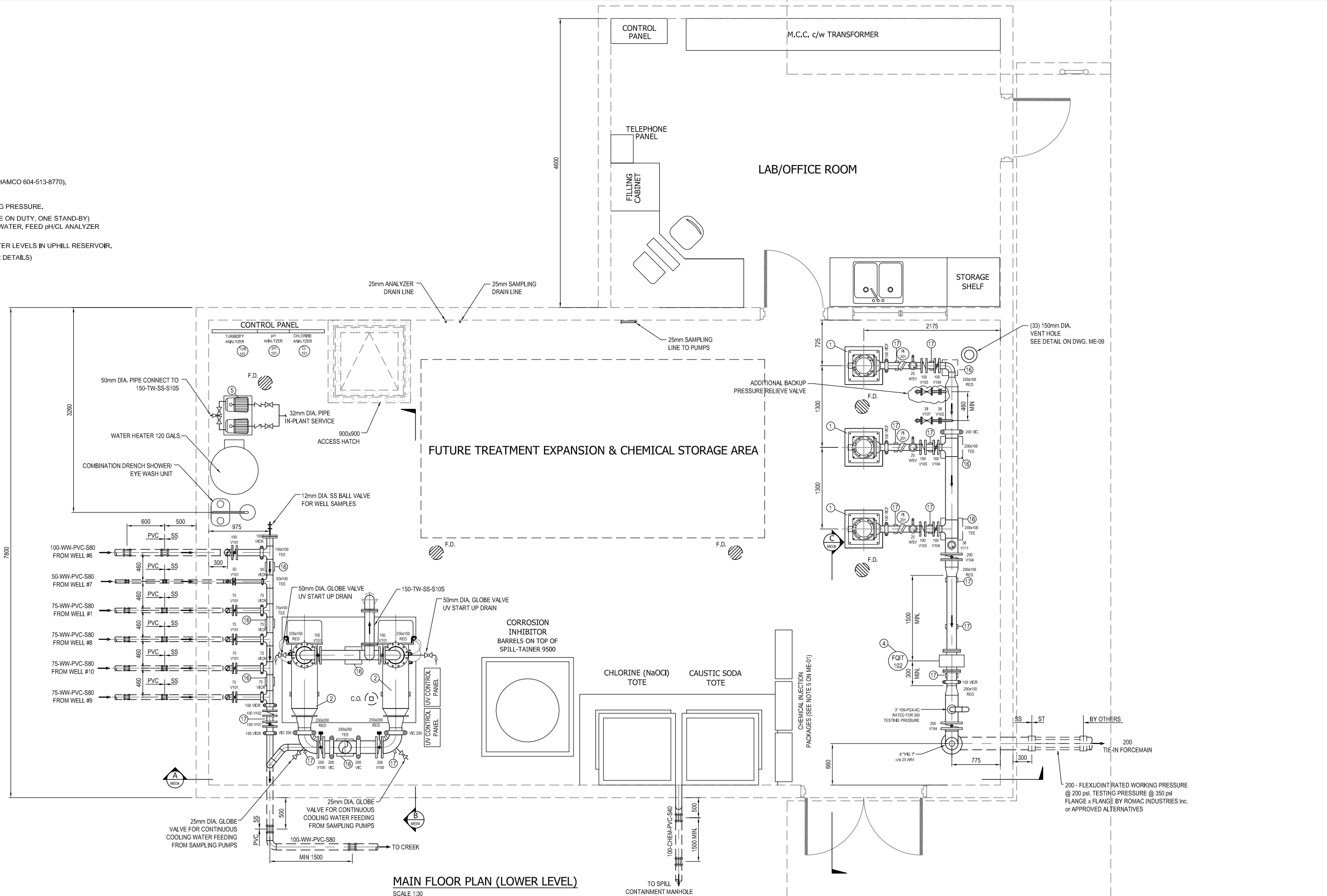
NO.	DATE	BY	REVISIONS	TECH. ENG.
4	06-12-18	AP	AS CONSTRUCTED RECORD DRAWING	GWD B.K.
3	05-10-20	AP	REVISION AS PER REVIEW	GWD B.K.
2	05-10-14	AP	REVISION AS PER REVIEW	GWD B.K.
1	03-07-05	DC	SUBMISSION FOR APPROVAL	GWD B.K.

PROJECT NO: 436
DATE: 05-03-02
DWN BY: DC
DESIGN: GWD
SCALE HORZ: 1 : 500
SCALE VERT: 1:50

SHEET NO: 4 OF 4
SQUAMISH-LILLOOET REGIONAL DISTRICT
RESERVOIR-WATER DISTRIBUTION LINE
PLAN & PROFILE
CHECK VALVE CHAMBER-DETAIL
ZONE 4 UPPER RESERVOIR
REV. SET: 4



- ① -HIGH LIFT PUMP 13.1L/s @ 201 psi, PEERLESS VTP (CHAMCO 604-513-8770).
- ② -UV: TROJAN UV SWIFT B12 (RAMTECH 403-932-4773).
- ④ -MAGNETIC FLOW METER 150mm DIA, 350 psi, WORKING PRESSURE.
- ⑤ -2-GRUNDFOS JPS2 SS (1/2 HP) SAMPLING PUMPS (ONE ON DUTY, ONE STAND-BY) TO SUPPLY IN PLANT SERVICE WATER, UV COOLING WATER, FEED pH/CL ANALYZER AND TURBIDITY METER CONTINUOUSLY.
- ⑥ -HIGH LIFT PUMP OPERATION IS CONTROLLED BY WATER LEVELS IN UPHILL RESERVOIR.
- ⑬ - CONCRETE SUPPORT (SEE STRUCTURAL DWG'S FOR DETAILS)
- ⑰ ⑳ ㉑ - FOR DETAILS SEE DWG'S: ME08,ME09



MAIN FLOOR PLAN (LOWER LEVEL)
SCALE 1:30

"These record documents have been prepared based on information provided by others. While ISL is not aware of any material deviation from the intended design, the accuracy and/or completeness of the construction has not been verified, and therefore ISL cannot be responsible for any errors or omissions that may be incorporated as a result of erroneous information provided by others."

No.	DESCRIPTION	BY	DATE
6			
5			
4	RECORD DRAWING	DHJW	APR 12, 07
3	ISSUED FOR CONSTRUCTION	JL	DEC 12, 05
2	ISSUED FOR FINAL REVIEW	JL	NOV 19, 05
1	ISSUED FOR DISCUSSION	JL	SEP 6, 05
REVISIONS			

Originally Stamped and Signed by
Dean H.J. Wilner
Dec 12, 2005
P,Eng.

Scale
0 300 600 900 1200
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BRITANNIA BAY
WATER TREATMENT PLANT

Drawn: LDE Design Checked: Date:
Designed: JL Discipline Review: Date:

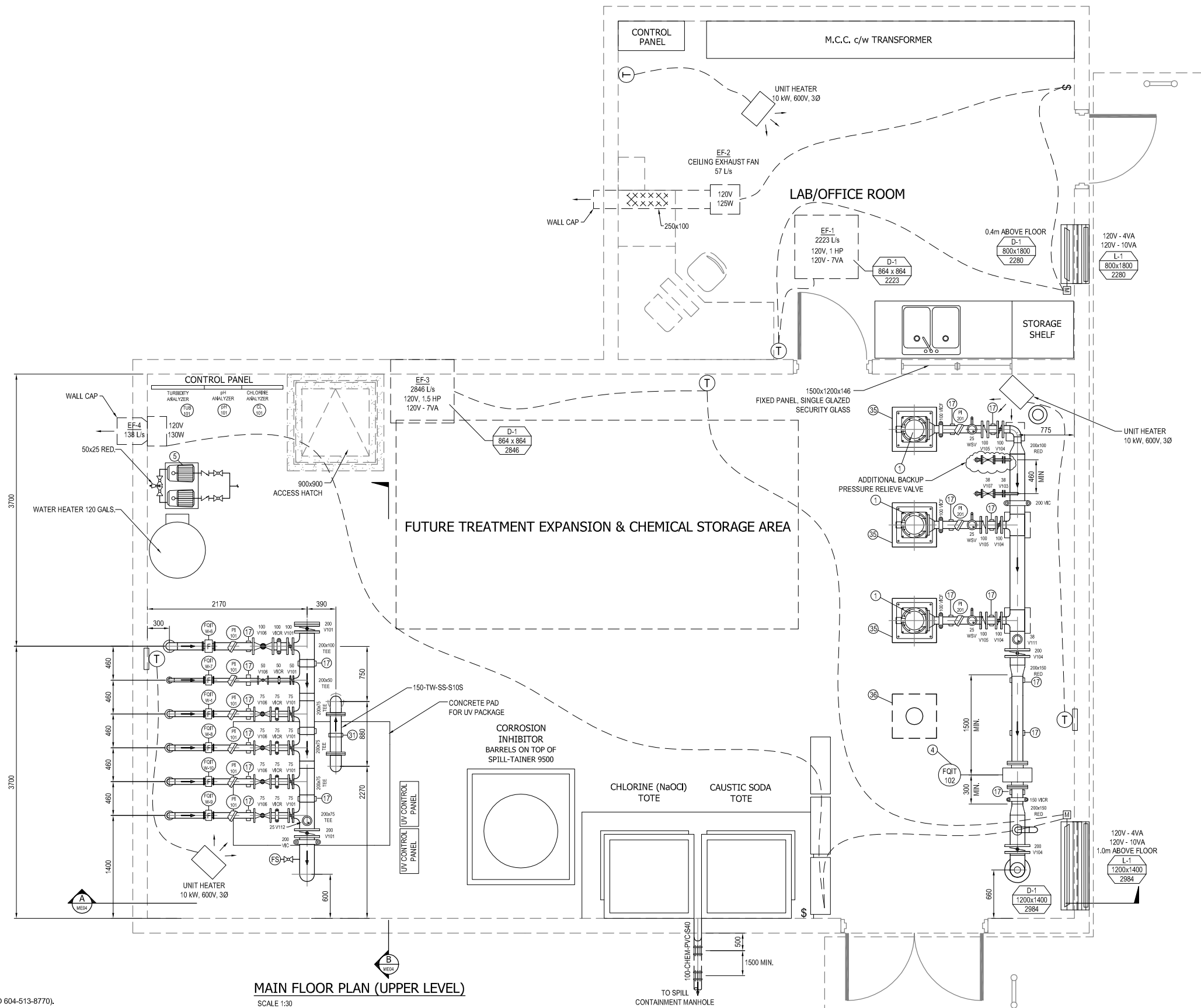
WATER TREATMENT PLANT
MAIN FLOOR PLAN (LOWER LEVEL)

Drawing No.
30177
ME
02

Sheet No.
-

4
Revision No.

LDE 25-04-07.F:\30000\30177 Britannia_Water_System\02-drafting\02f - record\30177ME01_02.03.06.dwg



MAIN FLOOR PLAN (UPPER LEVEL)
SCALE 1:30

"These record documents have been prepared based on information provided by others. While ISL is not aware of any material deviation from the intended design, the accuracy and/or completeness of the construction has not been verified, and therefore ISL cannot be responsible for any errors or omissions that may be incorporated as a result of erroneous information provided by others."

- ① -HIGH LIFT PUMP 13.1L/s @ 201 psi. PEERLESS VTP (CHAMCO 604-513-8770).
- ② -UV: TROJAN UV SWIFT B12 (RAMTECH 403-932-4773).
- ④ -MAGNETIC FLOW METER 150mm DIA. 350 psi. WORKING PRESSURE.
- ⑤ -2-GRUNDFOS JPS2 SS (1/2 HP) SAMPLING PUMPS (ONE ON DUTY, ONE STAND-BY) TO SUPPLY IN PLANT SERVICE WATER, UV COOLING WATER, FEED pH/CL ANALYZER AND TURBIDITY METER CONTINUOUSLY.
- ⑥ -HIGH LIFT PUMP OPERATION IS CONTROLLED BY WATER LEVELS IN UPHILL RESERVOIR.
- ⑩ - CONCRETE SUPPORT (SEE STRUCTURAL DWG'S FOR DETAILS)
- ⑪ ⑫ ⑬ ⑭ - FOR DETAILS SEE DWG'S: ME08, ME09

No.	DESCRIPTION	BY	DATE
6			
5			
4	RECORD DRAWING	DHJW	APR 12, 07
3	ISSUED FOR CONSTRUCTION	JL	DEC 12, 05
2	ISSUED FOR FINAL REVIEW	JL	NOV 19, 05
1	ISSUED FOR DISCUSSION	JL	SEP 6, 05
REVISIONS			



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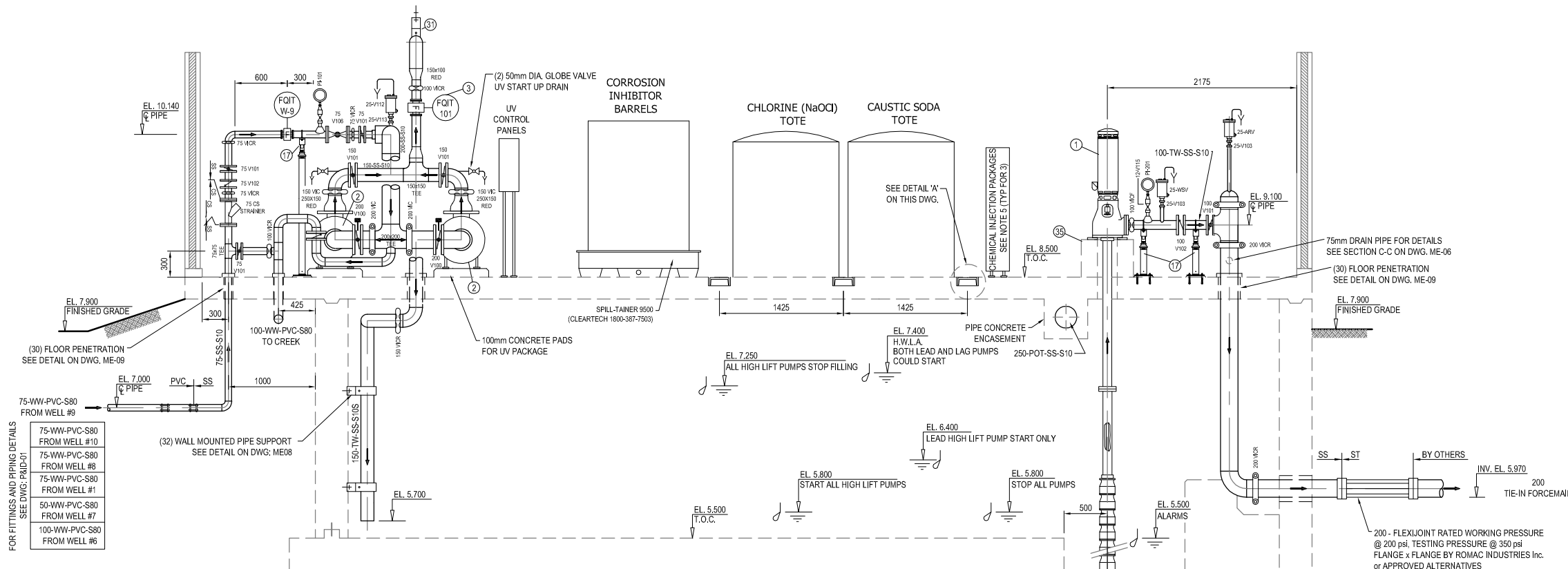
BRITANNIA BAY		
WATER TREATMENT PLANT		
Drawn: LDE	Design Checked:	Date:
Designed: JL	Discipline Review:	Date:

WATER TREATMENT PLANT	
MAIN FLOOR PLAN (UPPER LEVEL)	

Drawing No.	30177
	ME
	03
Sheet No.	-
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Rev/Iss No.	

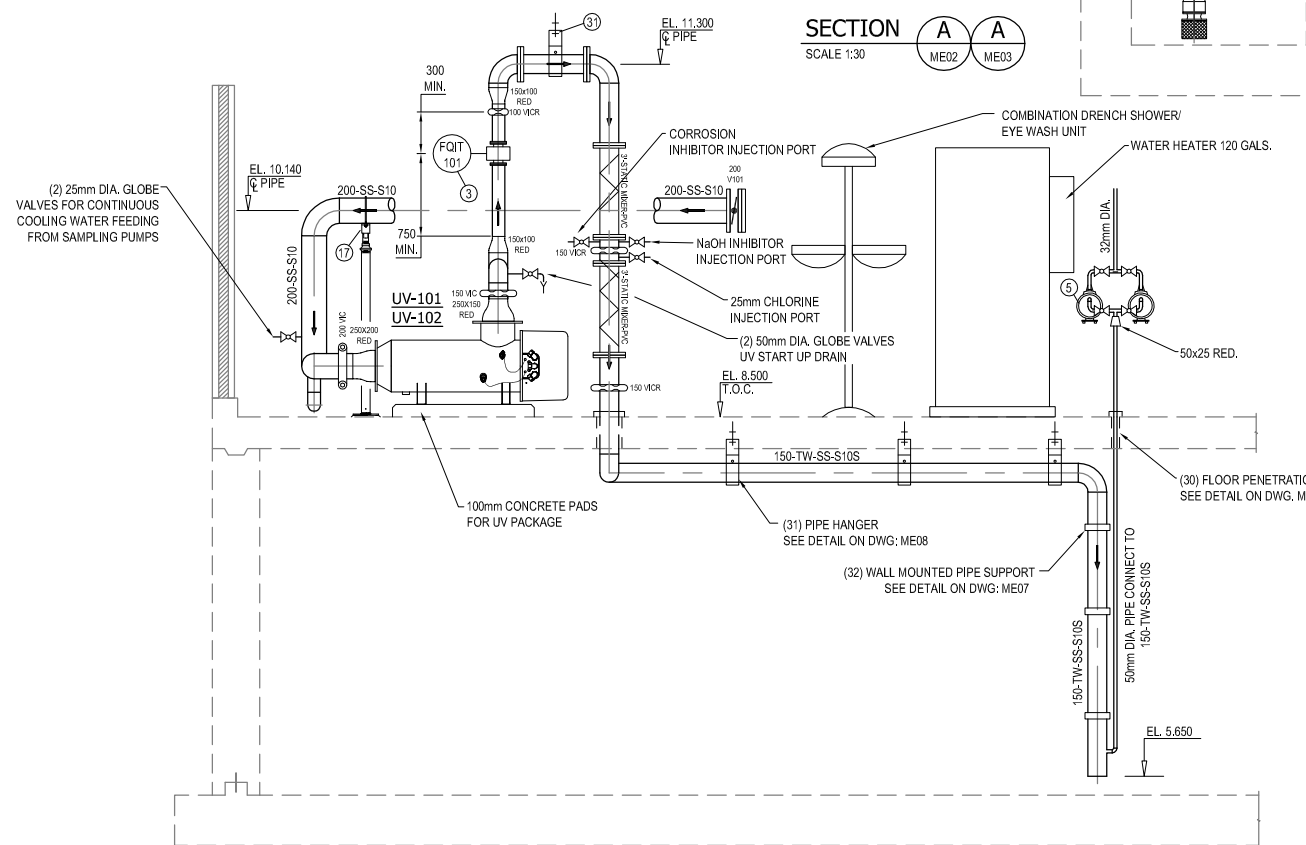
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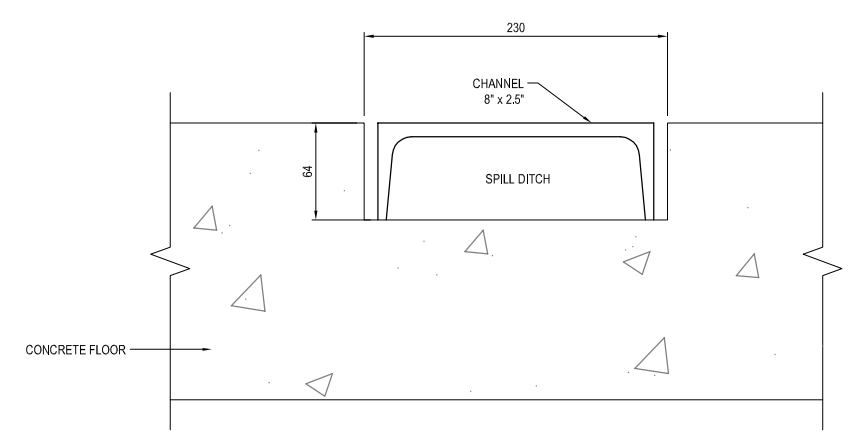


- ①-HIGH LIFT PUMP 13.1L/s @ 201 psi, PEERLESS VTP (CHAMCO 604-513-8770).
- ②-UV; TROJAN UV SWIFT B12 (RAMTECH 403-932-4773).
- ③-MAGNETIC FLOW METER 100mm DIA. 100 psi. WORKING PRESSURE.
- ⑤-2-GRUNDFOS JPS2 SS (1/2 HP) SAMPLING PUMPS (ONE ON DUTY, ONE STAND-BY) TO SUPPLY IN PLANT SERVICE WATER, UV COOLING WATER, FEED pH/CL ANALYZER AND TURBIDITY METER CONTINUOUSLY.
- ⑥-HIGH LIFT PUMP OPERATION IS CONTROLLED BY WATER LEVELS IN UPHILL RESERVOIR.
- ⑬- CONCRETE SUPPORT (SEE STRUCTURAL DWG'S FOR DETAILS)
- ⑰⑱⑳㉑㉒㉓㉔- FOR DETAILS SEE DWG'S: ME08,ME09

SECTION A A
SCALE 1:30
ME02 ME03



SECTION B B
SCALE 1:30
ME02 ME03



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2	ISSUED FOR FINAL REVIEW	JL	NOV 19, 05
1	ISSUED FOR DISCUSSION	JL	SEP 6, 05
REVISIONS			

Originally Stamped and Signed by
Dean H.J. Wilmer
Dec 12, 2005
P.Eng.

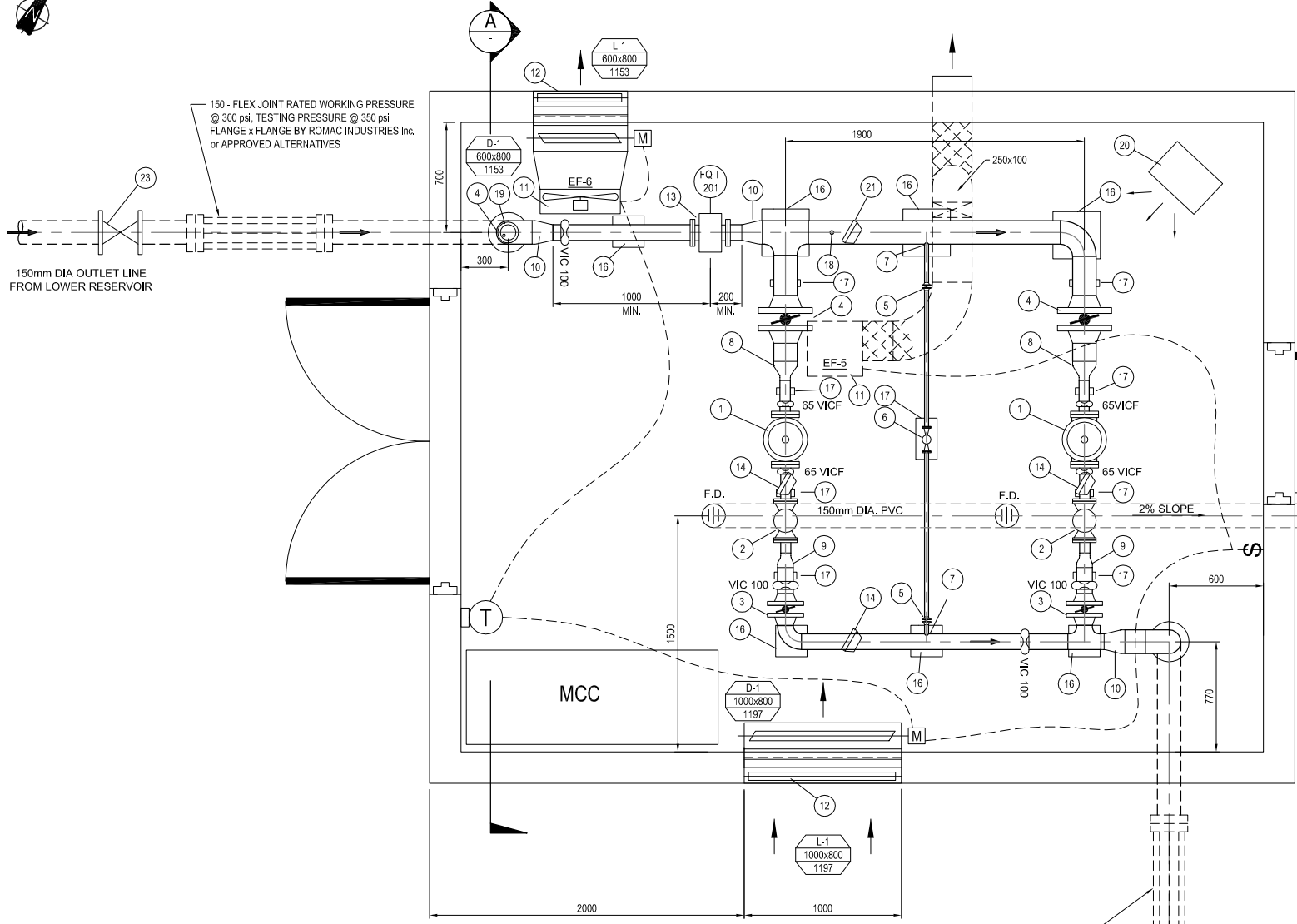
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BRITANNIA BAY
WATER TREATMENT PLANT

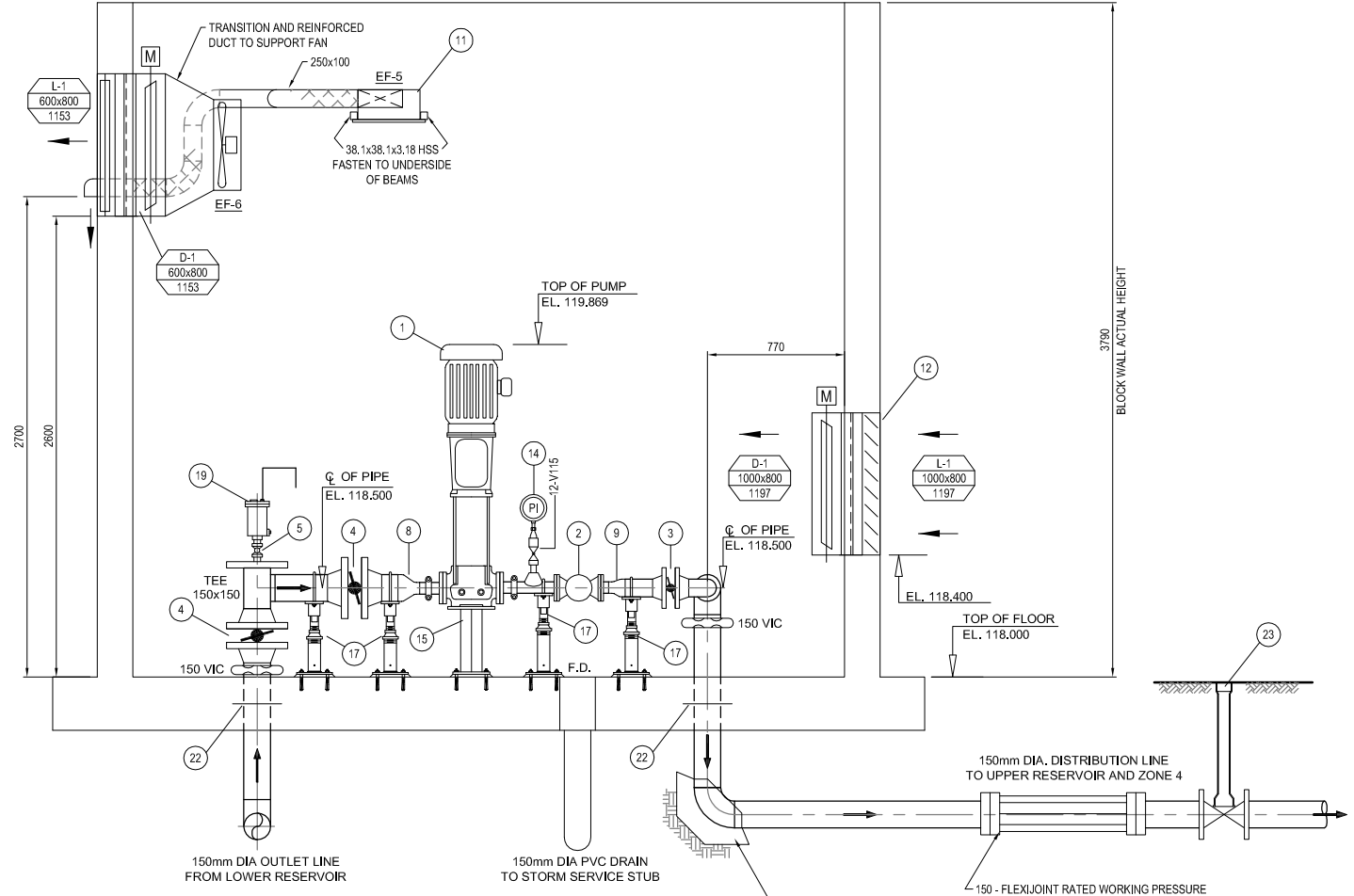
Drawn: LDE Design Checked: Date:
Designed: JL Discipline Review: Date:

WATER TREATMENT PLANT
SECTIONS A-A, B-B

Drawing No.
30177
ME
04
Sheet No.
4
Rev/Issn No.



**BOOSTER PUMP STATION
MAIN FLOOR PLAN**
SCALE 1:20



SECTION A
SCALE 1:20

EQUIPMENT LIST FOR BOOSTER PUMP STATION

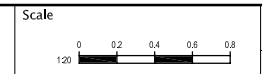
- 1 BOOSTER PUMP: GRUNDFOS CR-32-6-2, 8.8 L/s @ 133.6m TDH 3525 RPM, 25 HP. (by CHAMCO 604-513-8770)
- 2 65mm BOOSTER PUMP CONTROL/CHECK VALVE - SINGER MODEL 106PG BPC - c/w INTERNAL DROP CHECKS, X129 LIMIT SWITCH GLOBE STYLE (by RFL, 604-882-0128)
- 3 100mm CENTERLINE G225L LUG STYLE HEAVY DUTY BUTTERFLY VALVE. RATED @ 300 psi c/w GEAR OPERATOR, AND HANDWHEELS.
- 4 150mm CENTERLINE G200L LUG STYLE BUTTERFLY VALVE RATED @ 300 psi c/w GEAR OPERATOR, AND HANDWHEELS.
- 5 38mm MAS B3 BRONZE FULL PORT BALL VALVES WITH LEVERS.
- 6 25mm SINGER 106RPS PRESSURE AND SURGE RELIEF VALVE EPOXY COATED AND LINED, RANGE 100-300 psi, SET @ 200 psi.
- 7 38mm WELDOLET
- 8 150x65 REDUCER
- 9 100x65 REDUCER
- 10 150x100 REDUCER
- 11 EXHAUST FANS (VARIOUS SIZES)
- 12 INTAKE LOUVER (VARIOUS SIZES)
- 13 100mm MAGNETIC FLOW METER - EPOXY COATED INSIDE, RATED FOR 350 psi.
- 14 PRESSURE GAUGES c/w ISOLATION BALL VALVES RATED @ 350 psi
- 15 FIXED PIPE SUPPORT, SEE DETAIL DWG. ME-08
- 16 FIXED PIPE SUPPORT, FOR DETAIL SEE STRUCTURAL DWG'S TO BE DESIGNED BY STRUCTURE ENGINEER FOR 350 psi PIPE WORKING PRESSURE.
- 17 ADJUSTABLE PIPE SUPPORT, SEE DETAIL DWG. ME-08
- 18 DRAIN VALVE, RATED @ 350 psi.
- 19 25mm VALMATIC 22.9 AIR RELEASE VALVE, CAST IRON BODY, 3/16 SS TRIM, RATED @ 300 psi MWP.
- 20 ELECTRIC HEATER UNIT - 10KW.
- 21 PRESSURE GAUGE c/w ISOLATION BALL VALVE RATED @ 300 psi.
- 22 WALL PENETRATION WITH THRUST RING, SEE DETAIL DWG. ME-09
- 23 BURIED VALVE RATED @ 300 psi, SEE DETAIL DWG. ME-08 (INSTALL BY OTHERS)

GENERAL NOTES:

- 1. PIPE AND FITTINGS INSIDE THE BOOSTER PUMP STATION ARE RATED FOR WORKING PRESSURE @ 200 psi AND TEST PRESSURE @ 350 psi.
- 2. PIPE AND FITTINGS INSIDE THE PUMP STATION ARE STAINLESS STEEL 316.
- 3. PIPE SUPPORT AND THRUST BLOCKS SHALL BE SIZED FOR 350 psi TESTING PRESSURE BY STRUCTURE ENGINEER.

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2	ISSUED FOR FINAL REVIEW	JL	NOV 19, 05
1	ISSUED FOR DISCUSSION	JL	SEP 6, 05



BRITANNIA BAY

WATER TREATMENT PLANT

Drawn: LDE Design Checked: Date:
 Designed: JL Discipline Review: Date:

**BOOSTER PUMP STATION
MAIN FLOOR PLAN & SECTION**

Drawing No.
**30177
ME
07**

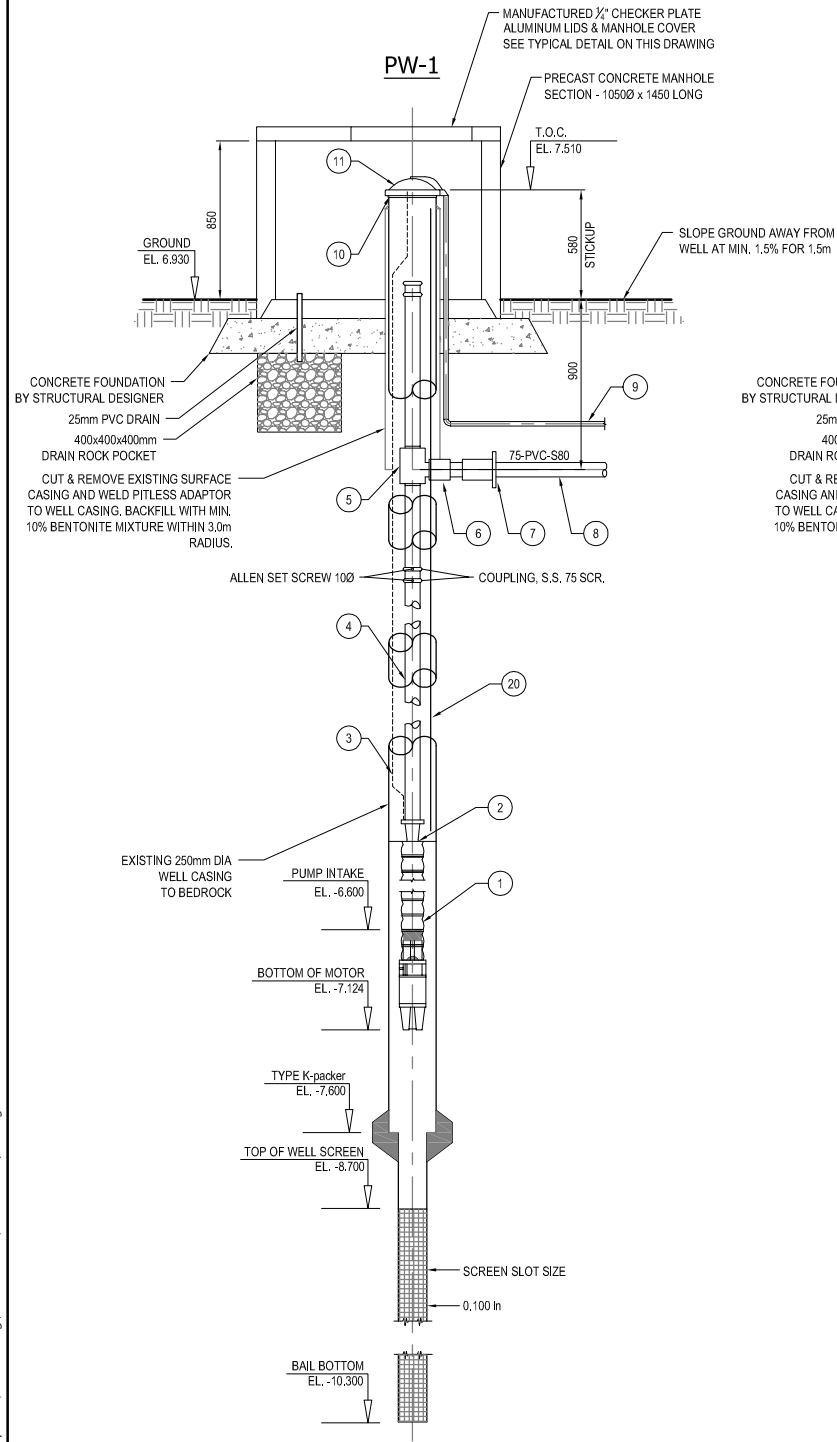
Sheet No.
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Rev/Issn No.

LDE 25-04-07.f:\30000\30177 Britannia_Water_System\02-drafting\02f-record\30177ME07.dwg

NOTES:

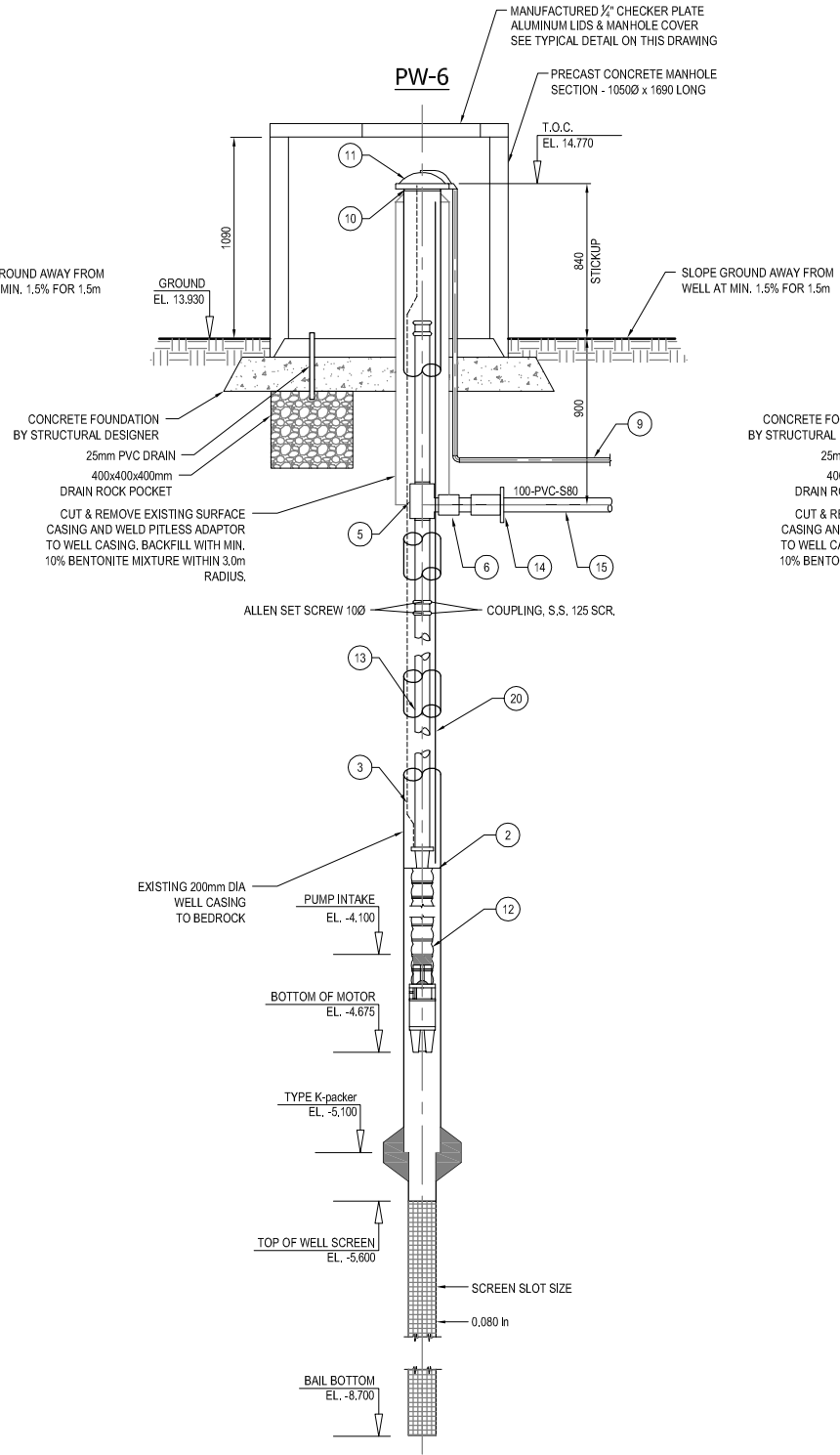
1. WELL SCREEN DETAILS: SCREEN ASSEMBLY CONSIST OF 1.5m LONG WIRE WRAPPED SCREEN OF 100 SLOT SIZE WITH K-packer AND 0.6m LONG RISER.
2. SURVEYED BY HOBBS, WINTER AND MACDONALD.
3. T.O.C. REFERS TO TOP OF 250mm DIA. CASING.
4. ALL ELEVATIONS REFER TO GEODETIC DATUM.



WELLHEAD (PW-1) DETAIL
SCALE N.T.S.

NOTES:

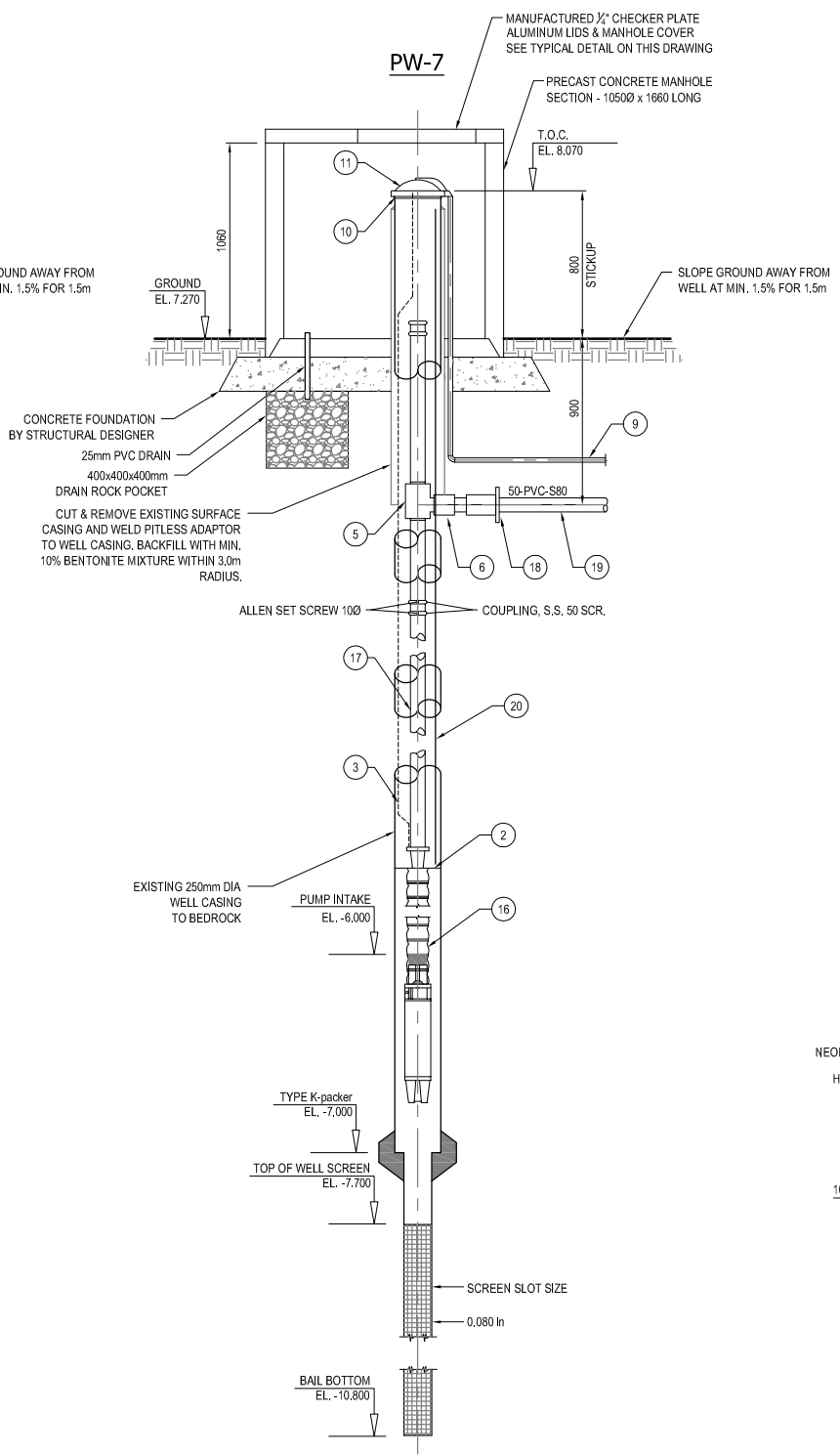
1. WELL SCREEN DETAILS: SCREEN ASSEMBLY CONSIST OF 3.2m OF 80 SLOT WIRE WRAPPED SCREEN WITH K-packer AND 0.6m LONG RISER.
2. SURVEYED BY HOBBS, WINTER AND MACDONALD.
3. T.O.C. REFERS TO TOP OF 200mm DIA. CASING.
4. ALL ELEVATIONS REFER TO GEODETIC DATUM.
5. pH AND CONDUCTIVITY OF WATER MEASURED DURING DRILLING.



WELLHEAD (PW-6) DETAIL
SCALE N.T.S.

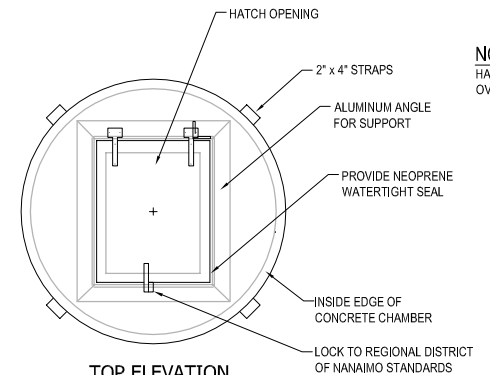
NOTES:

1. WELL SCREEN DETAILS: SCREEN ASSEMBLY CONSIST OF 3.1m OF 80 SLOT WIRE WRAPPED SCREEN WITH K-packer AND 0.6m LONG RISER.
2. SURVEYED BY HOBBS, WINTER AND MACDONALD.
3. T.O.C. REFERS TO TOP OF 250mm DIA. CASING.
4. ALL ELEVATIONS REFER TO GEODETIC DATUM.
5. pH AND CONDUCTIVITY OF WATER MEASURED DURING DRILLING.

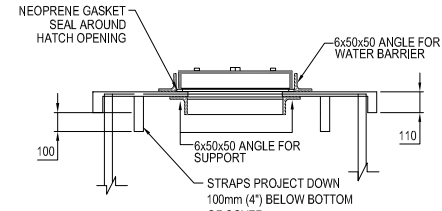


WELLHEAD (PW-7) DETAIL
SCALE N.T.S.

LIST OF MATERIALS FOR PW-1, PW-6, PW-7		
ITEM No.	DESCRIPTION	QUANTITY
1	GRUNDFOS SUBMERSIBLE PUMP - Model 85S30-2 RATED FOR 10.8 m ³ /hr @ 26m TDH. c/w CONTROL	1
2	PUMP CENTRALIZER	3
3	SAFETY WIRE 12mmØ S.S.	3
4	RISER PIPE, S.S., 75 SCR. x 75 SCR. (TAPPED TO ACCEPT No.5)	TO SUIT
5	FULL SIZE PITLESS ADAPTOR	TO SUIT
6	FEMALE THREADED END	3
7	H x FIPT 75x75	1
8	75mmØ PVC-S80 PIPE	TO SUIT
9	25mm ELECTRICAL CONDUIT	TO SUIT
10	CASING FLANGE, 150Ø CLASS 150, (WELDED) c/w GASKET	3
11	WELLHEAD CAP	3
12	GRUNDFOS SUBMERSIBLE PUMP - Model 230S75-2 RATED FOR 29.7 m ³ /hr @ 33m TDH. c/w CONTROL	1
13	RISER PIPE, S.S., 125 SCR. x 125 SCR. (TAPPED TO ACCEPT No.5)	TO SUIT
14	H x FIPT 125x100	1
15	100mmØ PVC-S80 PIPE	TO SUIT
16	GRUNDFOS SUBMERSIBLE PUMP - Model 30SQ10C-130 RATED FOR 6.84 m ³ /hr @ 27m TDH. c/w CONTROL	1
17	RISER PIPE, S.S., 50 SCR. x 50 SCR. (TAPPED TO ACCEPT No.5)	TO SUIT
18	H x FIPT 50x50	1
19	50mmØ PVC-S80 PIPE	TO SUIT
20	PRESSURE TRANSDUCERS INSTALLED IN 25mm PVC PIPES.	3



NOTE:
HATCH TO BE CENTERED OVER PW FOR ACCESS.



- MATERIAL -6mm ALUMINUM CHECKER PLATE
- 6x50x50 ALUMINUM ANGLE
- HATCH - 600x750
- ALUMINUM ANGLE TO SUPPORT HATCH
- 100-50 WIDE x 100 LONG STRAPS PROJECTING DOWN OUTSIDE
- POLAR BRAND HINGES

HATCH COVER FOR PW
SCALE N.T.S.

"REFER TO DWG's RD01, RD02 FOR RECORD INFORMATION"

No.	DESCRIPTION	BY	DATE
6			
5			
4			
3	ISSUED FOR CONSTRUCTION	JL	DEC 12, 05
2	ISSUED FOR FINAL REVIEW	JL	NOV 19, 05
1	ISSUED FOR DISCUSSION	JL	SEP 6, 05

Originally Stamped and Signed by
Dean H.J. Wilner
Dec 12, 2005
P.Eng.

Scale
AS SHOWN
ISL Engineering and Land Services

BRITANNIA BAY
WATER TREATMENT PLANT
Drawn: LDE Design Checked: Date:
Designed: JL Discipline Review: Date:

WELLHEAD DETAILS
PW-1, PW-6, PW-7

Drawing No.
30177 SD 01
Sheet No.
3
Rev/Issn No.

NOTES:

1. WELL SCREEN DETAILS: SCREEN ASSEMBLY CONSIST OF 1.5m OF 60 SLOT WIRE WRAPPED SCREEN WITH K-packer AND 0.6m LONG RISER.
2. SURVEYED BY HOBBS, WINTER AND MACDONALD.
3. T.O.C. REFERS TO TOP OF 250mm DIA. CASING.
4. ALL ELEVATIONS REFER TO GEODETIC DATUM.

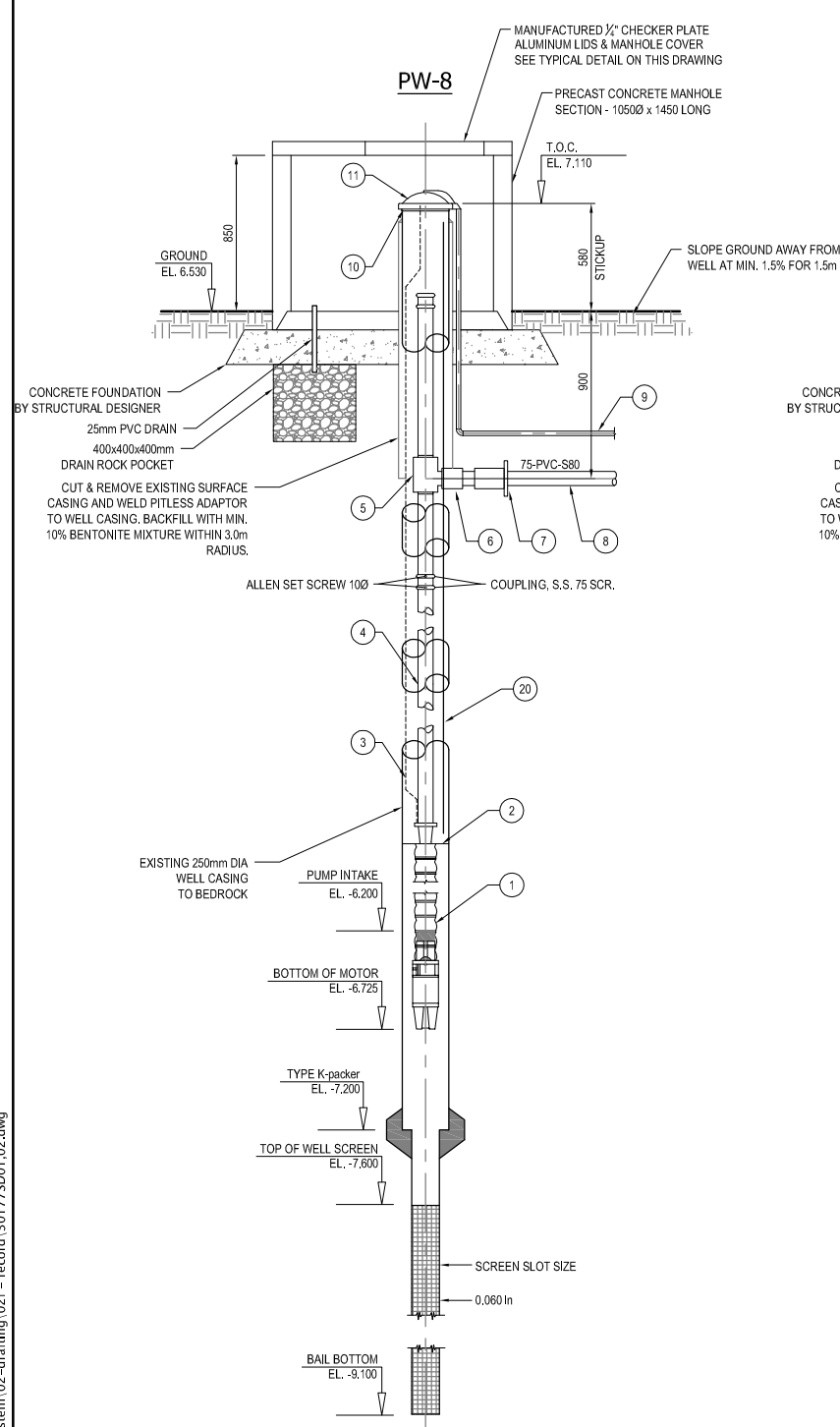
NOTES:

1. WELL SCREEN DETAILS: SCREEN ASSEMBLY CONSIST OF 1.5m OF 60 SLOT WIRE WRAPPED SCREEN WITH K-packer AND 0.6m LONG RISER.
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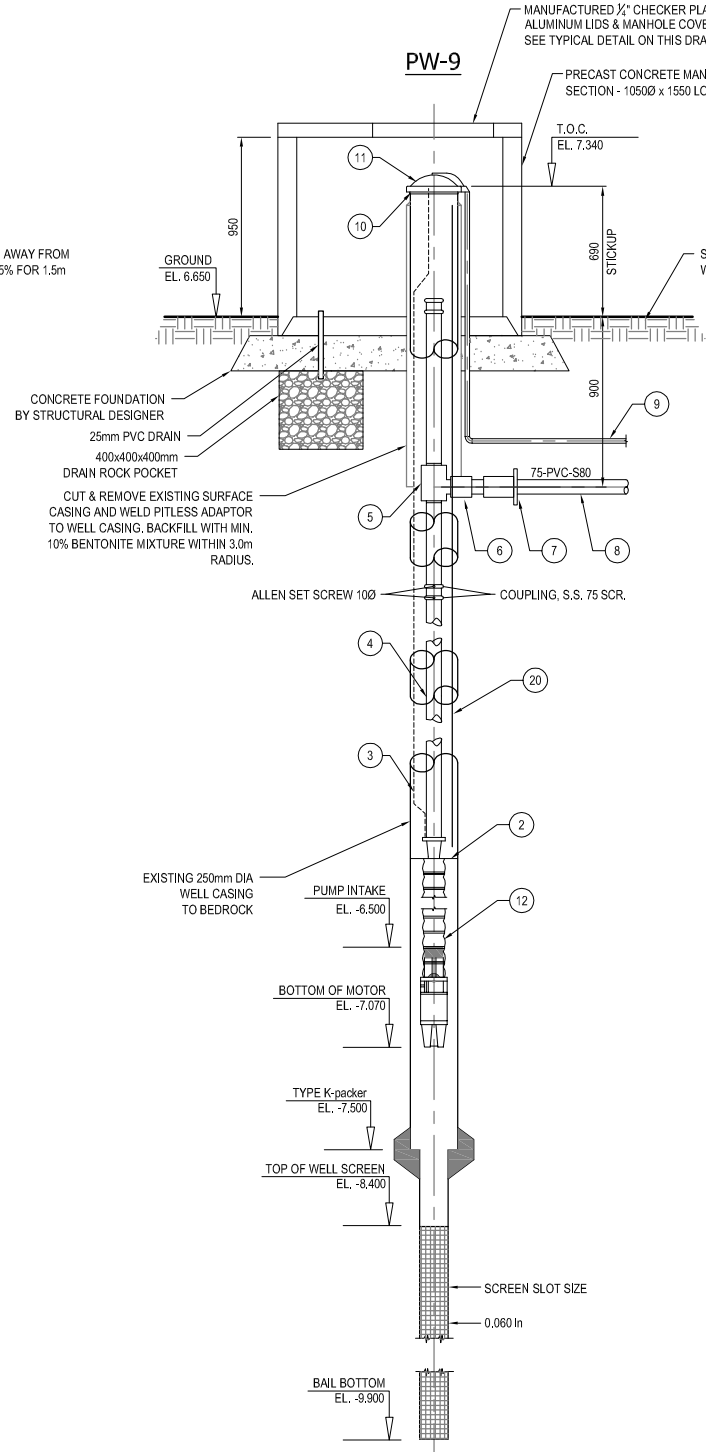
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1. WELL SCREEN DETAILS: SCREEN ASSEMBLY CONSIST OF 1.5m OF 60 SLOT WIRE WRAPPED SCREEN WITH K-packer AND 0.6m LONG RISER.
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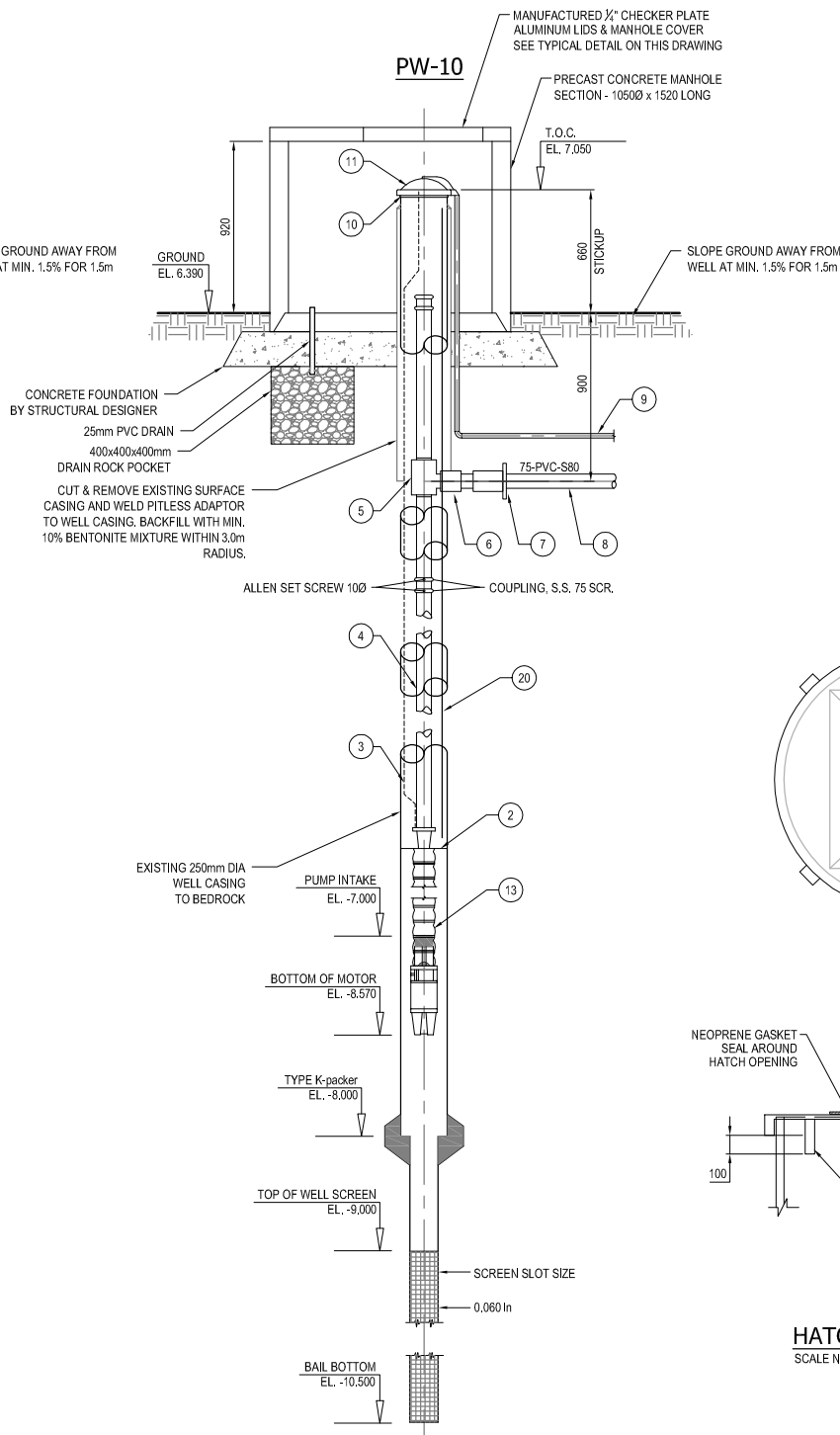
LIST OF MATERIALS FOR PW-8, PW-9, PW-10		
ITEM No.	DESCRIPTION	QUANTITY
1	GRUNDFOS SUBMERSIBLE PUMP - Model 85S30-2 MULTI-STAGE RATED FOR 11.88 m ³ /hr @ 26m TDH, c/w CONTROL	1
2	PUMP CENTRALIZER	3
3	SAFETY WIRE 12mmØ S.S.	3
4	RISER PIPE, S.S., 75 SCR. x 75 SCR. (TAPPED TO ACCEPT No.5)	TO SUIT
5	FULL SIZE PITLESS ADAPTOR	TO SUIT
6	FEMALE THREADED END	3
7	H x FIPT 75x75	3
8	75mmØ PVC-S80 PIPE	TO SUIT
9	25mm ELECTRICAL CONDUIT	TO SUIT
10	CASING FLANGE, 150Ø CLASS 150, (WELDED) c/w GASKET	3
11	WELLHEAD CAP	3
12	GRUNDFOS SUBMERSIBLE PUMP - Model 75S30-5 MULTI-STAGE RATED FOR 18.00 m ³ /hr @ 30.73m TDH, c/w CONTROL	1
13	GRUNDFOS SUBMERSIBLE PUMP - Model 75S30-5 MULTI-STAGE RATED FOR 16.92 m ³ /hr @ 32.2m TDH, c/w CONTROL	1
20	PRESSURE TRANSDUCERS INSTALLED IN 25mm PVC PIPES.	3



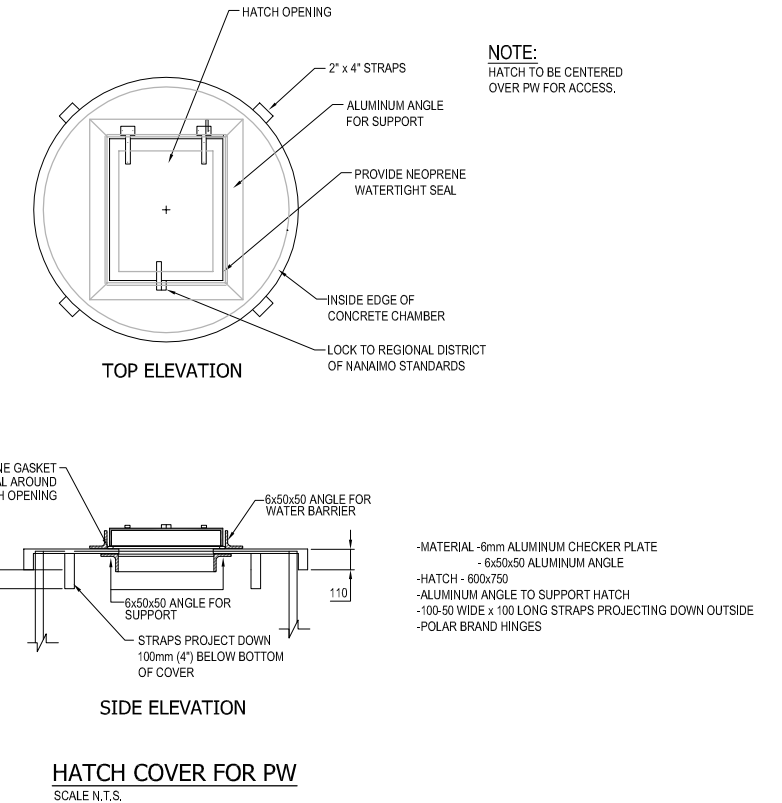
WELLHEAD (PW-8) DETAIL
SCALE N.T.S.



WELLHEAD (PW-9) DETAIL
SCALE N.T.S.



WELLHEAD (PW-10) DETAIL
SCALE N.T.S.



HATCH COVER FOR PW
SCALE N.T.S.

"REFER TO DWG's
RD01, RD02
FOR RECORD
INFORMATION"

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Originally
Stamped and Signed
by
Dean H.J. Wilner
Dec 12, 2005
P, Eng.

Scale
AS SHOWN

BRITANNIA BAY
WATER TREATMENT PLANT

Drawn: LDE Design Checked: JL/DHJW Date: SEP 6, 05
Designed: JL Discipline Review: DHJW Date: SEP 6, 05

**WELLHEAD DETAILS
PW-8, PW-9, PW-10**

Drawing No.
**30177
SD
02**

Sheet No.
3

Rev/Issn No.

LDE 12-04-07.P:300000_30177_Britannia_Water_System\02-drafting\02f-record\30177SD01_02.dwg



SCHEDULE “D” – PERMIT TO DISCHARGE (WASTEWATER SYSTEM)

See attached

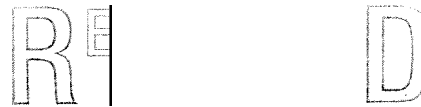
BRITISH COLUMBIA

File: RE-18213

Date: **OCT 17 2006**

REGISTERED MAIL

Squamish Lillooet Regional District
P.O. Box 219
1350 Aster Street
Pemberton, British Columbia V0N 2L0



OCT 23 2006

SQUAMISH - LILLOOET
REGIONAL DISTRICT

Dear Registrant:

Re: Registration under the Municipal Sewage Regulation of the Discharge to Marine Water from a new sewage facility, Lot 6, District Lot 891, Group 1, New Westminster District, Plan 20023, located at Britannia Beach, BC

Receipt of the completed Municipal Sewage Regulation registration form for the subject discharge is acknowledged. Pursuant to Part 2, Section 3 of the Municipal Sewage Regulation, the effective date of registration of this discharge is February 27, 2006.

The registration is for a maximum discharge of 1430 cubic metres/day of secondary disinfected sewage effluent from a 200 lot residential and minor commercial development. Please indicate the ministry file number RE-18213 on all future correspondence regarding this discharge.

An annual registration fee will be determined according to the Waste Management Permit Fees Regulation and you will be receiving an annual invoice from the ministry for payment of this fee. Payment of all fees due is necessary to comply with the Municipal Sewage Regulation.

Your attention is respectfully directed to the terms and conditions outlined in the Municipal Sewage Regulation. Compliance with all the terms and conditions of the regulation is required. Contravention of any of the conditions of the regulation is a violation of the *Environmental Management Act* and may result in prosecution.

Registration under the Municipal Sewage Regulation should not be construed as a representation that the works are adequately designed or will satisfy the regulation. It is the responsibility of the discharger to ensure that the works are adequately designed, constructed, and operated and that the discharge quality complies with the regulation. Registration under the regulation is without prejudice to any additional works that may be required or any additional requirements that may be specified by the Director. The Director may also issue Orders under the *Environmental Management Act*.

You are reminded that the Municipal Sewage Regulation requires that an environmental impact study and an operating plan be completed at least 90 days before the construction of any facility commences.

Registration under the Municipal Sewage Regulation does not authorise entry upon, crossing over, or use for any purpose of private or Crown lands or works, unless and except as authorised by the owner of such lands or works. The responsibility for obtaining such authority shall rest with the discharger. It is also the responsibility of the discharger to ensure that all activities conducted under this registration are carried out with regard to the rights of third parties and comply with other applicable legislation that may be in force. The discharger must also obtain any necessary approvals from other agencies.

Administration of this registered discharge will be carried out by staff from Environmental Protection, at Ministry of Environment, Regional Operations, Lower Mainland Region, 10470 - 152 Street, Surrey, BC, V3R 0Y3. Plans, data and reports pertinent to this registered discharge are to be submitted to the Regional Manager, Environmental Protection, at this address. For each data submission a statement shall be included outlining the number of exceedances of allowable levels that occurred during the reporting period. The dates of the exceedances shall be clearly identified in the data submission and an explanation as to the cause of the exceedances and a description of the measures taken to rectify the situation shall be provided. Should no exceedances have occurred over the reporting period, a statement to that effect must be included. The ministry uses a reference number to track monitoring data associated with discharges. The site reference number for this discharge is E264201.

Yours truly,



Steffanie Warriner, P.Eng.
for Director, *Environmental Management Act*
Lower Mainland Region

cc: Environment Canada

Brian Walker, P.Eng., Dayton & Knight Ltd., #210- 889 Harbourside Drive, North
Vancouver, BC V7P 3S1

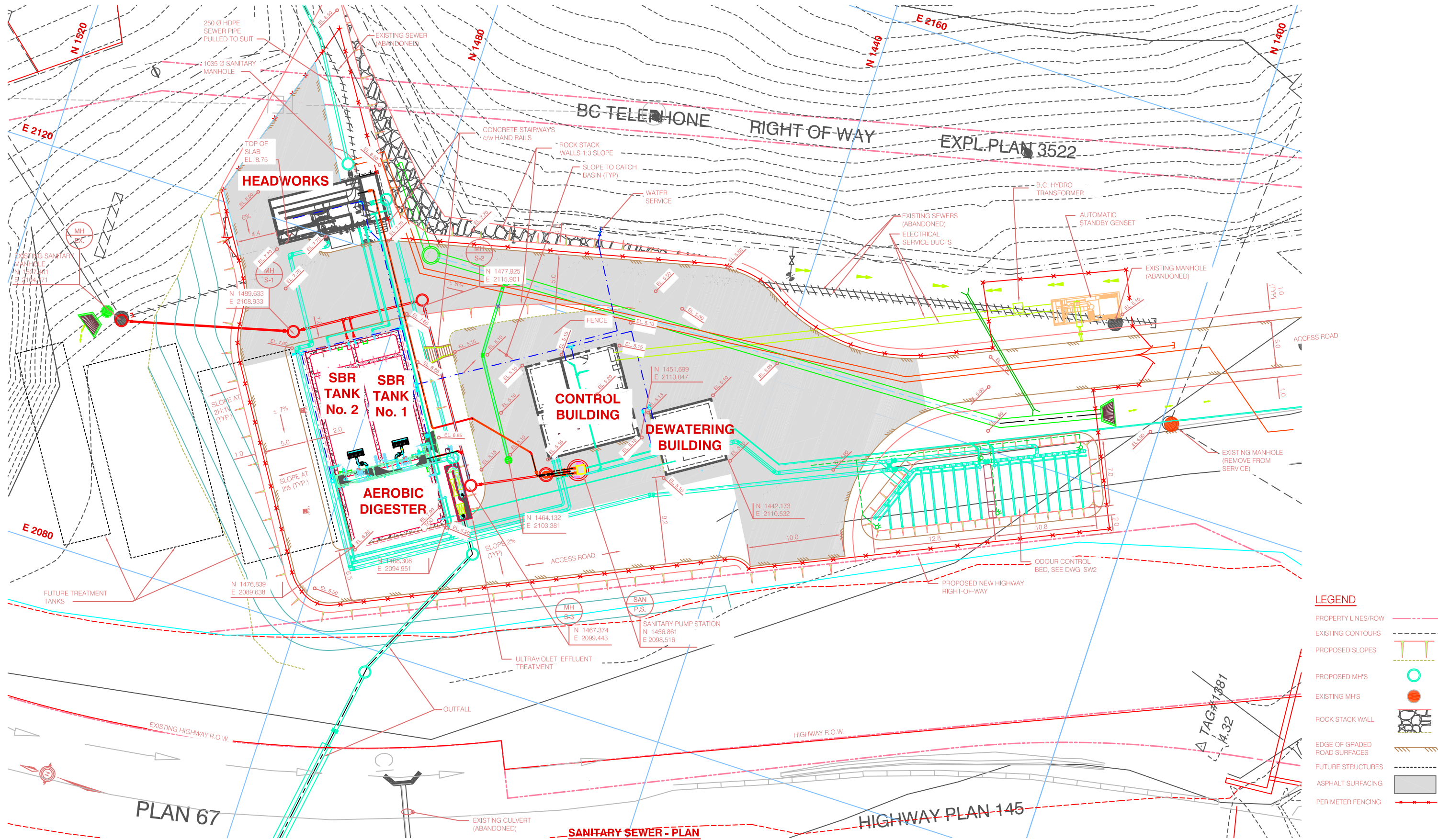
Neil McDonald, P.Eng., Kerr Wood Leidal Associates Ltd.,
200-4185A Still Creek Drive, Burnaby, BC V5C 6G9



SCHEDULE “E” – DRAWINGS (WASTEWATER SYSTEM)

See attached

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LEGEND

- PROPERTY LINES/ROW ---
- EXISTING CONTOURS - - -
- PROPOSED SLOPES / / /
- PROPOSED MH'S ○
- EXISTING MH'S ●
- ROCK STACK WALL █
- EDGE OF GRADED ROAD SURFACES - / -
- FUTURE STRUCTURES ---
- ASPHALT SURFACING █
- PERIMETER FENCING - x -

PLAN 67

SANITARY SEWER - PLAN
SCALE 1:200

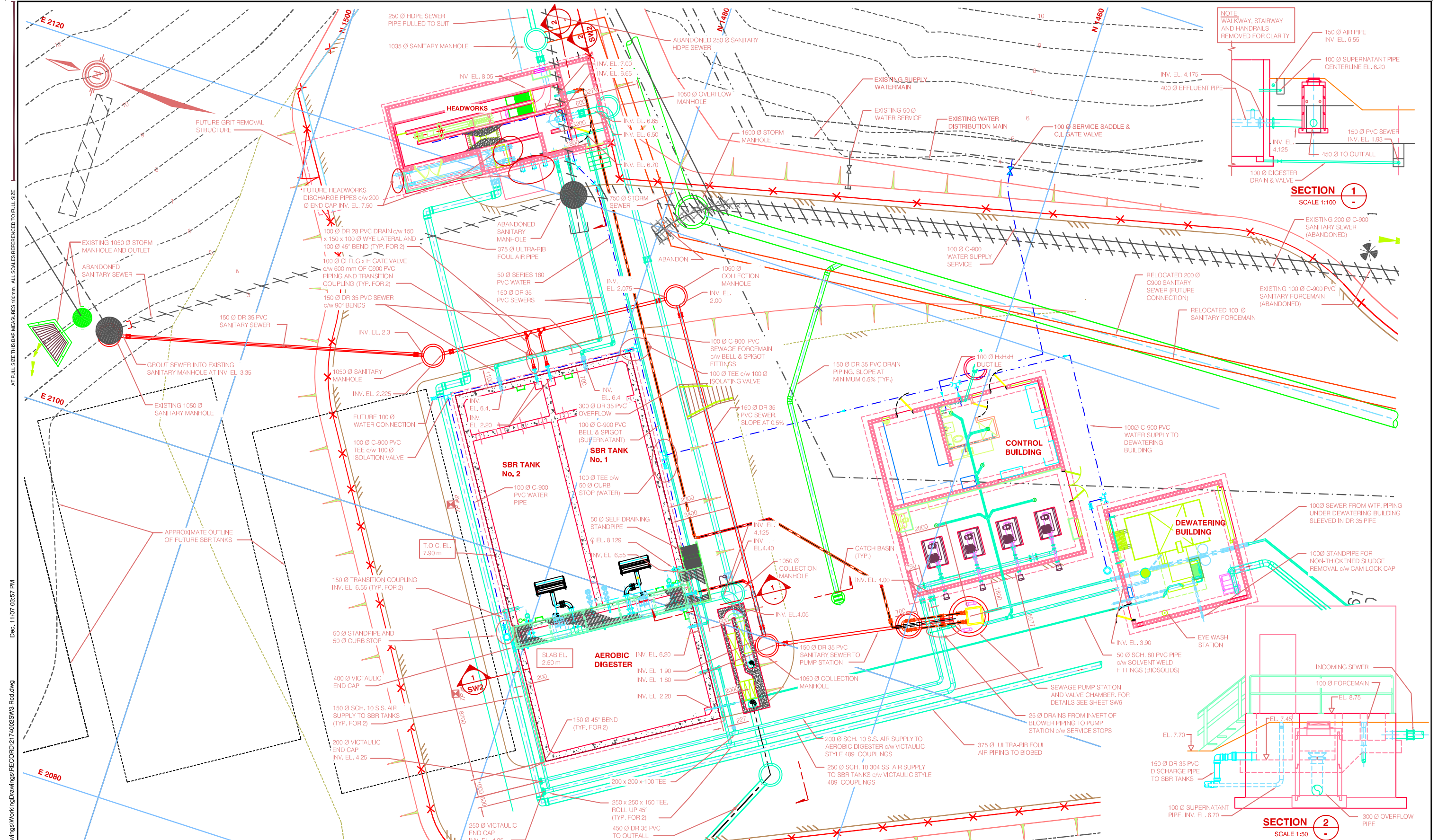
HIGHWAY PLAN 145

ISSUED INFORMATION					REVISION INFORMATION					REVISION INFORMATION					
Issued for	Issue	Date	Issued By	Rev. No.	Date	Designed	Drawn	Checked	Description of Revision	Rev. No.	Date	Designed	Drawn	Checked	Description of Revision
Reference				1	Dec/06	TWS	RM	TWS	RECORD DRAWING						
Approvals															
Tender															
Permits															
Construction															
Record Drawings	R1	Dec/06	RM												

kwl KERR WOOD LEIDAL
associates limited
CONSULTING ENGINEERS

BRITANNIA BAY PROPERTIES LTD.
WASTEWATER TREATMENT PLANT
SITWORKS
SITE GRADING - PLAN

KWL Project No. 2174.002 Scale 1:200
Sheet 6 of 84 Rev. No. 1 **SW1**
Client: Britannia Bay Properties Ltd. Drawing Number



AT FULL SIZE THE BAR MEASURES 100mm. ALL SCALES REFERENCED TO FULL SIZE.
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Issued for	Issue	Date	Issued By	Rev. No.	Date	Designed	Drawn	Checked	Description of Revision	Rev. No.	Date	Designed	Drawn	Checked	Description of Revision
Reference				1	Aug.22/05	AR	DHA	TWS	ISSUED FOR REVIEW						
Approvals	A1	Aug.22/05	TWS	2	Dec/06	AR	RM	TWS	RECORD DRAWING						
Tender															
Permits															
Construction															
Record Drawings	R1	Dec/06	TWS												



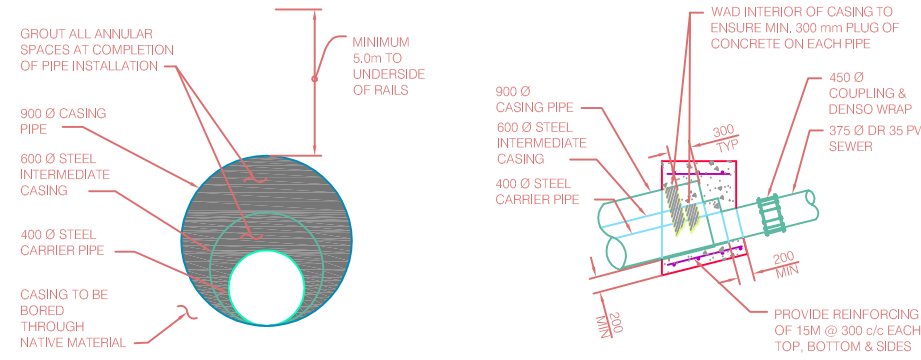
BRITANNIA BAY PROPERTIES LTD.
WASTEWATER TREATMENT PLANT
SITWORKS
SITE PIPING PLAN

KWL Project No. 2174.002 Scale 1:100
 Sheet 8 of 84 Rev. No. 2 **SW3**
 Client: Britannia Bay Properties Ltd. Drawing Number

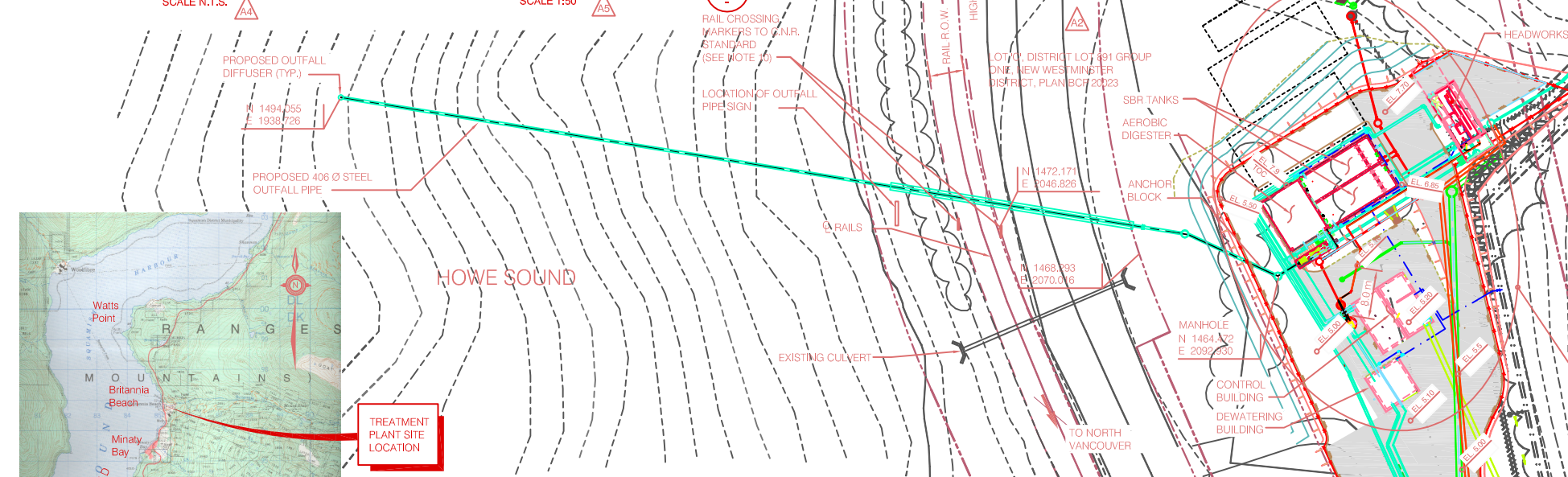
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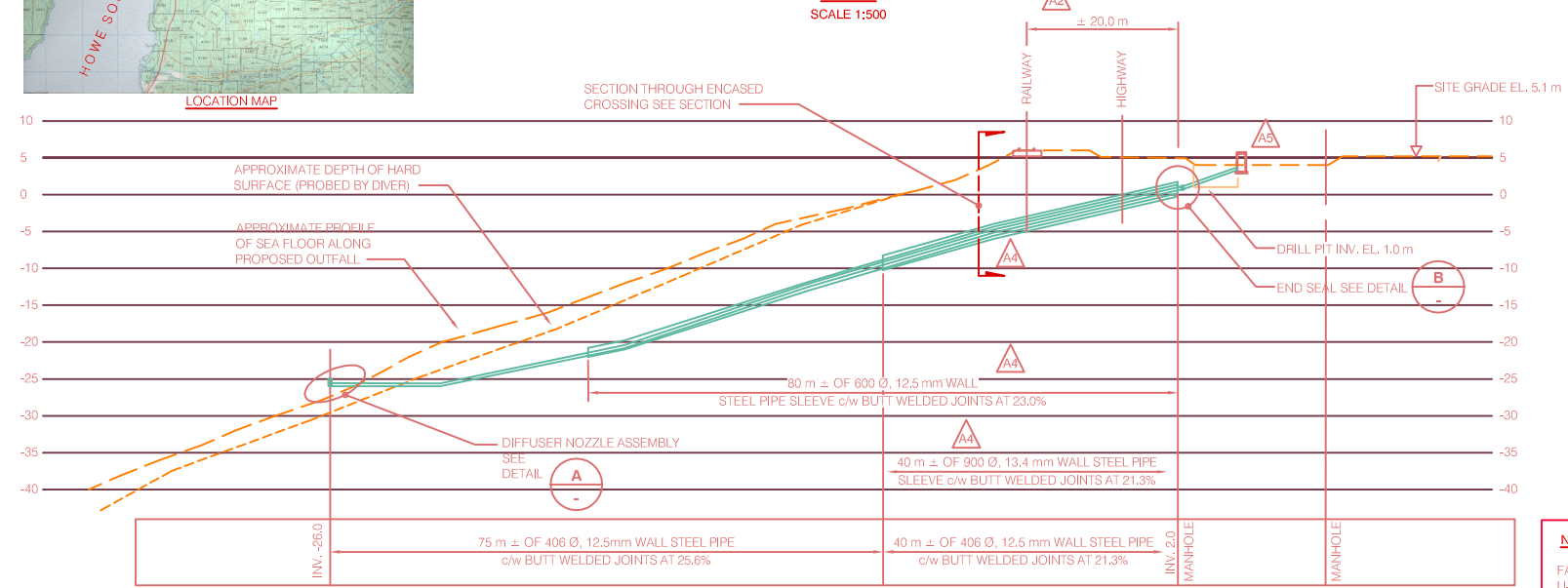
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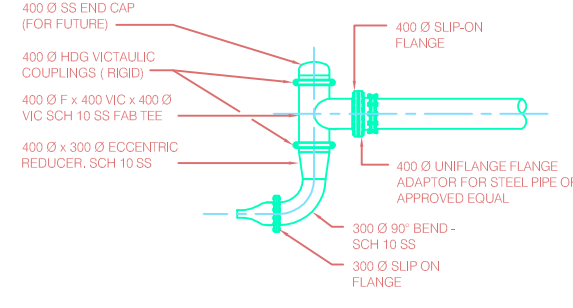
SECTION THROUGH ENCASED CROSSING SCALE N.T.S. **OUTFALL CASING - END SEAL DETAIL** SCALE 1:50



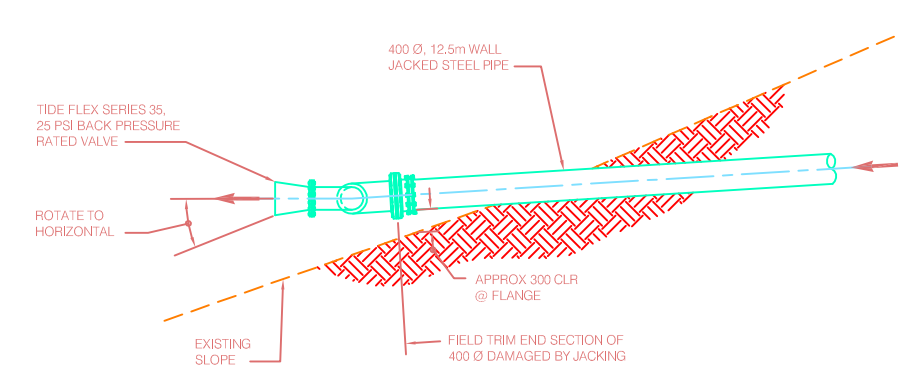
PLAN SCALE 1:500



PROFILE - GEODETIC DATUM SCALE 1:500



DIFFUSER NOZZLE ASSEMBLY - PLAN SCALE 1:50



DIFFUSER NOZZLE ASSEMBLY - ELEVATION SCALE 1:50

DETAIL A

NOTES:
1 UNDER WATER CONTOURS ADAPTED FROM KOMEX REPORT

- INSTALLATION NOTES:**
- MATERIAL TO BE CARRIED TREATED SANITARY WASTEWATER
 - DIRECTION OF FLOW EAST TO WEST
 - METHOD OF INSTALLATION PIPE AUGERING
 - DEPTH OF COVER 5.0 m BELOW RAILS (MINIMUM)
 - ANGLE OF CROSSING 66°
 - SOIL CONDITION ARE MAINLY SILTY SAND AND GRAVEL
 - THE SQUAMISH LILLOOET REGIONAL DISTRICT WILL OWN AND MAINTAIN THE PIPE AFTER INSTALLATION **
 - PIPES TO BE INSTALLED UNDER THE RAILWAY ZONE ARE CAPABLE OF SUSTAINING COOPER'S E80 RAILWAY LOADING.
 - INSTALLATION AND MAINTENANCE TO BE IN ACCORDANCE WITH T-E-10 AND LATEST EDITION OF APPLICABLE CSA STANDARD.
 - ENDS OF CASING WILL NOT BE SEALED.
 - MARKER TO STATE THE FOLLOWING:
OWNER: S.L.R.D.
COMMODITY: WASTEWATER EFFLUENT
MILE 31.57 SQUAMISH SUBDIVISION
EMERGENCY No: 1-800-298-7753

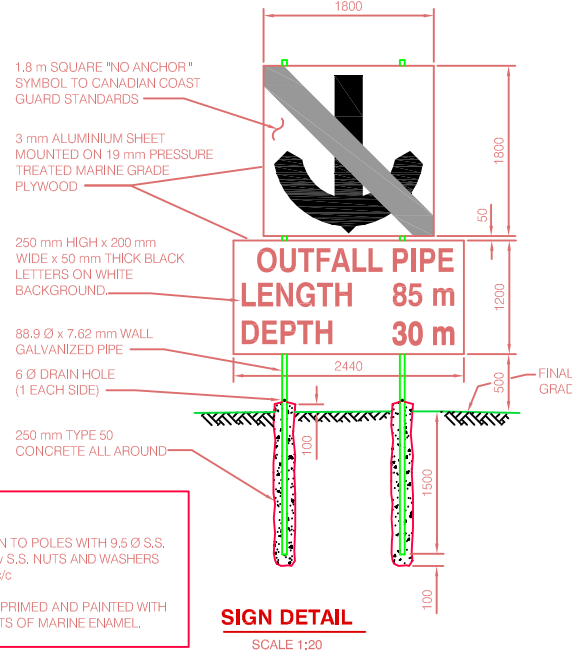
MATERIAL AND TESTING:

- PIPING: 400 mm (406 mm O.D.) STEEL TO ASTM A53 OR ASTM A106 WITH BUTT WELDED JOINTS TO ANSI B-16.9. MINIMUM WELD STRENGTH 241 Mpa
PIPING UNDER RAILWAY/HIGHWAY: PRESSURE RATING OF 7725 KPa (1120 psi) WITH 12.5 mm WALL THICKNESS
- OPERATING PRESSURE - GRAVITY FLOW

NOTES ON TIDAL HEIGHTS

CANADIAN TIDE AND CURRENT TABLES, VOLUME 5, 2004 PROVIDE THE FOLLOWING TIDAL INFORMATION AT POINT ATKINSON REFERENCE PORT LOCATED AT LAT. 49°20' NORTH, LONG. 123°15' WEST:

		CHART DATUM	GEODETIC DATUM
HIGHER HIGH WATER:	MEAN TIDE:	4.4 m	1.4 m
	LARGE TIDE:	5.1 m	2.1 m
	RECORDED EXTREME:	5.6 m	2.6 m
LOWER LOW WATER:	MEAN TIDE:	1.2 m	-1.8 m
	LARGE TIDE:	0.0 m	-3.0 m
	RECORDED EXTREME:	-0.4 m	-3.4 m
MEAN WATER LEVEL:		3.1 m	0.1 m



NOTES:
FASTEN SIGN TO POLES WITH 9.5mm S.S. U-BOLTS c/w S.S. NUTS AND WASHERS AT 400 mm c/c
SIGN TO BE PRIMED AND PAINTED WITH THREE COATS OF MARINE ENAMEL.

SIGN DETAIL SCALE 1:20

Issued for	Issue	Date	Issued By	Rev. No.	Date	Designed	Drawn	Checked	Description of Revision	Rev. No.	Date	Designed	Drawn	Checked	Description of Revision
Reference				1	Nov.16/05	TWS	DHA	TS	ISSUED FOR APPROVALS						
Approvals	A	Nov.16/05	TWS	2	Jan 12/06	TWS	DHA	TS	ISSUED FOR C.N. RAIL APPROVAL						
Tender				3	Jan 25/06	TWS	RFM	TS	RE-ISSUED FOR C.N. RAIL APPROVAL						
Permits				4	Mar.8/06	TWS	DHA	TS	REV. TO SHOW PROPOSED CASING PIPE, REV. DIFFUSER						
Construction				5	Nov 17/06	TWS	RM	TS	REVISED PROFILE AND ADDED END SEAL						
Record Drawings	R1	Dec/06	TWS	6	Dec/06	TWS	RM	TS	RECORD DRAWING						



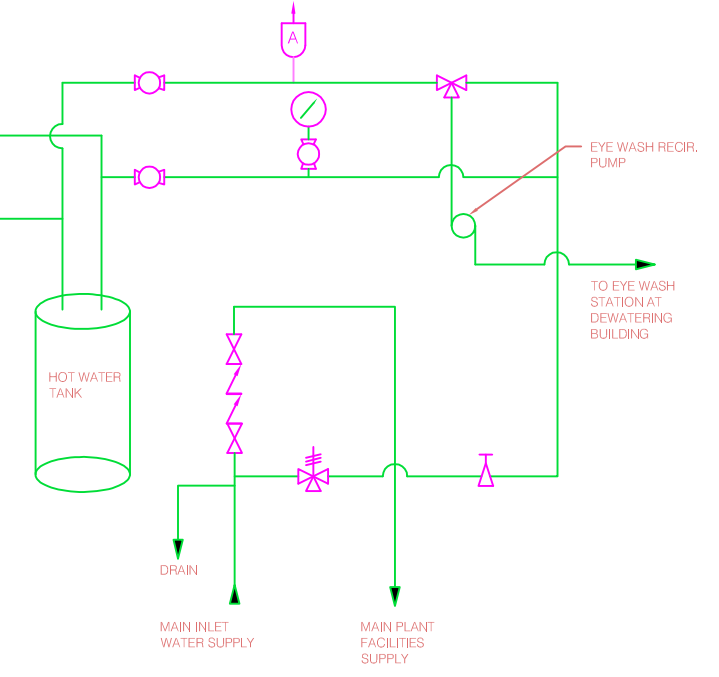
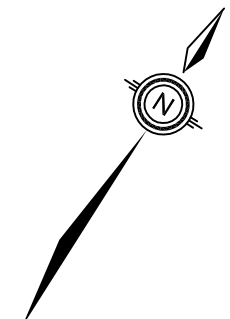
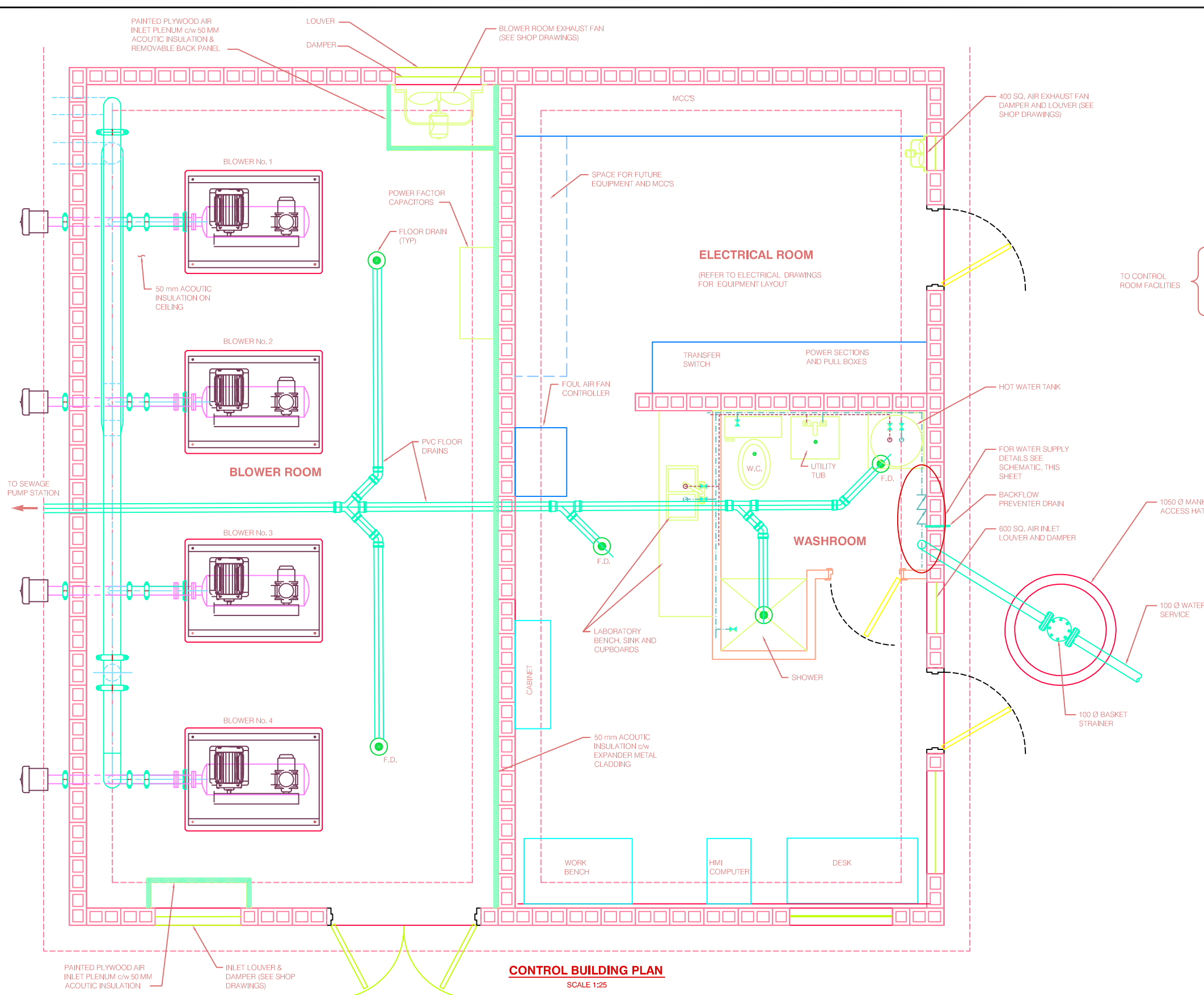
BRITANNIA BAY PROPERTIES LTD.
WASTEWATER TREATMENT PLANT - SITWORKS
C.N. MILE 31.57 SQUAMISH SUBDIVISION
OUTFALL PLAN & PROFILE

KWL Project No. 2174.002 Scale AS SHOWN **SW5**
Sheet 10 of 84 Rev. No. 6 Drawing Number
Client: Britannia Bay Properties Ltd.

AT FULL SIZE THE BAR MEASURES 100mm. ALL SCALES REFERENCED TO FULL SIZE.

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Issued for	Issue	Date	Issued By	Rev. No.	Date	Designed	Drawn	Checked	Description of Revision	Rev. No.	Date	Designed	Drawn	Checked	Description of Revision
Reference				1	DEC/06	TWS	RM	TWS	RECORD DRAWING						
Approvals															
Tender															
Permits															
Construction															
Record Drawings	R1	DEC/06	TWS												

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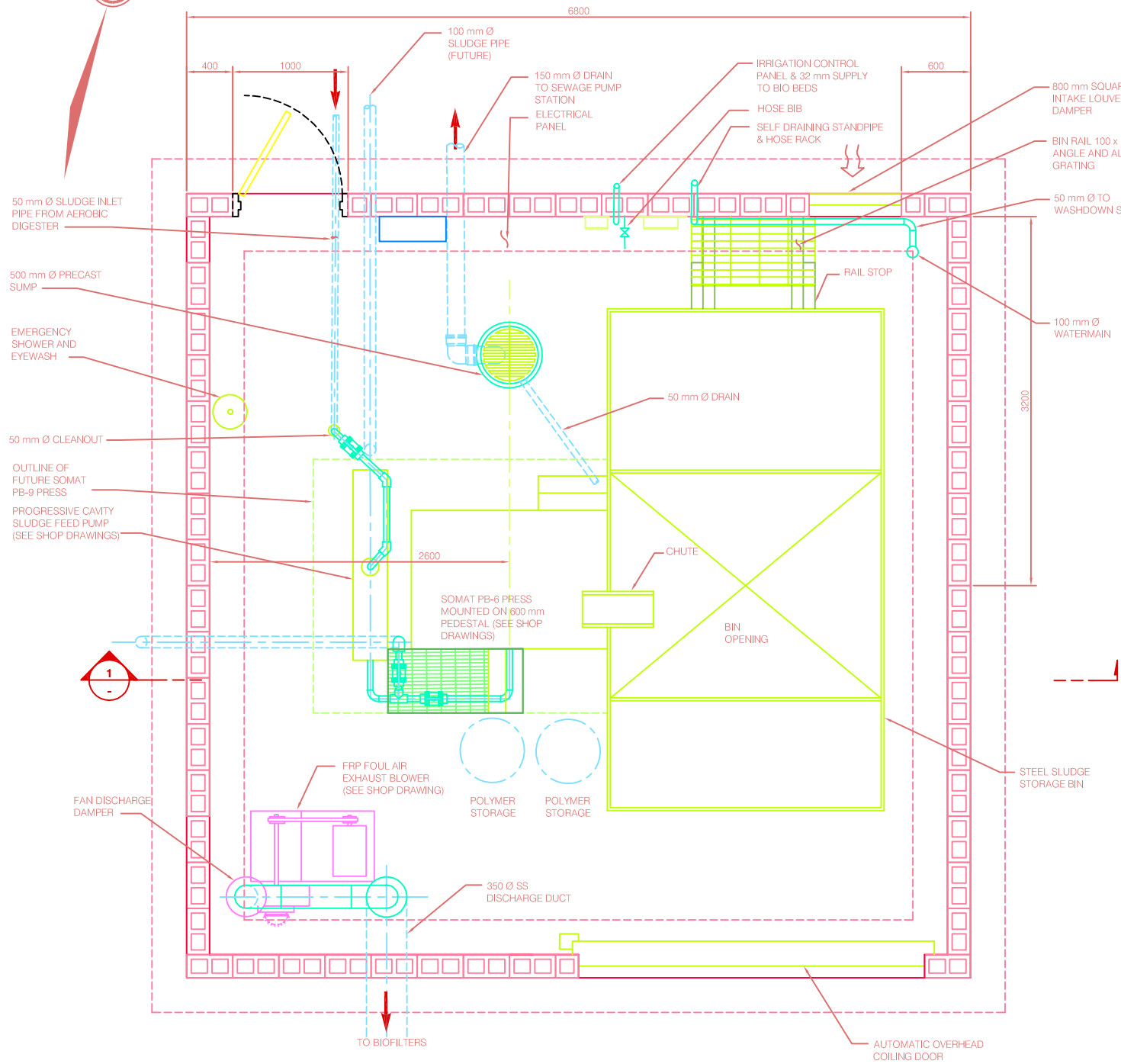
BRITANNIA BAY PROPERTIES LTD.
WASTEWATER TREATMENT PLANT
MECHANICAL
CONTROL BUILDING-PLUMBING AND VENTILATION

KWL Project No. 2174.002 Scale AS SHOWN **M1**
Sheet 61 of 84 Rev. No. 1 Drawing Number
Client: Britannia Bay Properties Ltd.

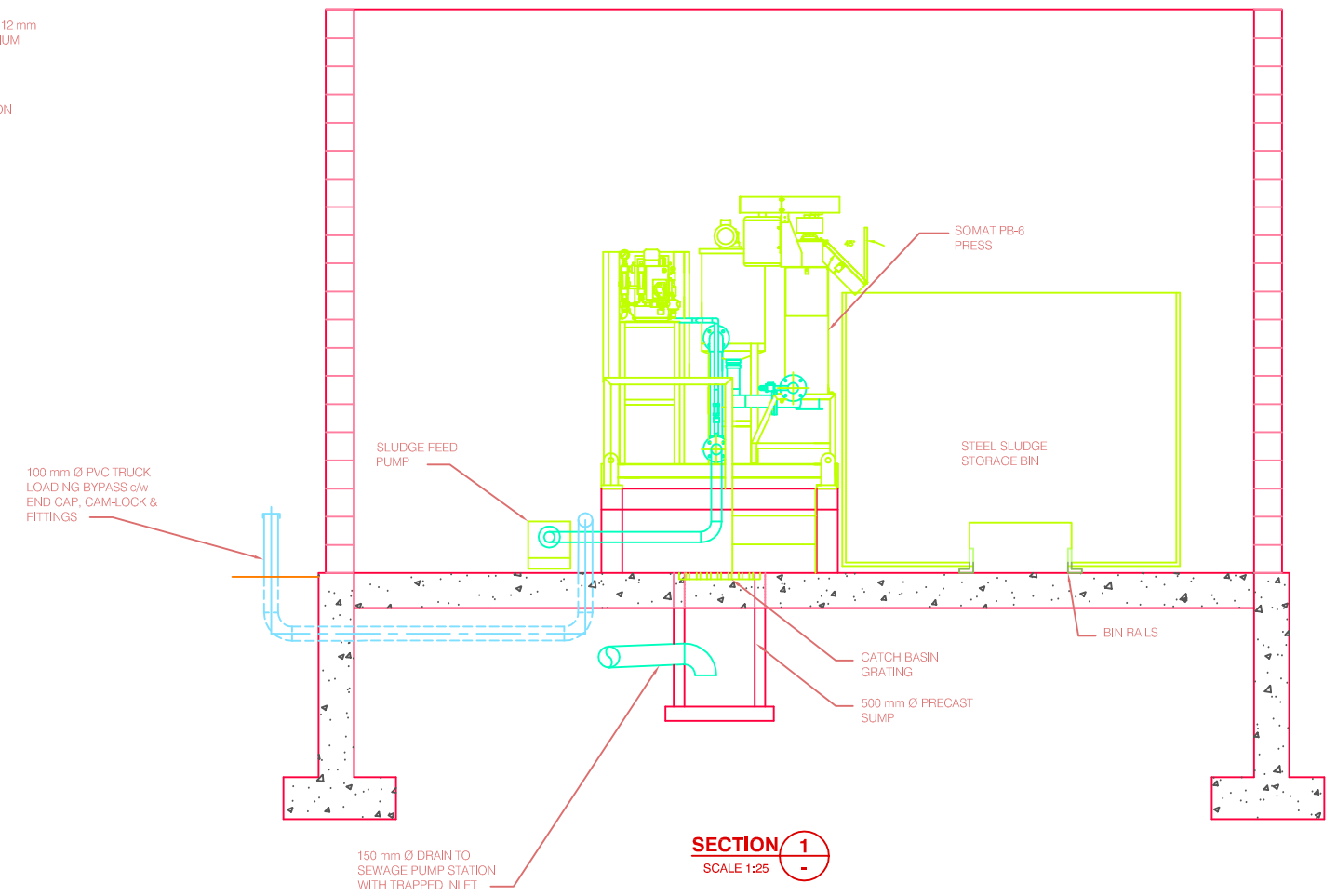
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DEWATERING BUILDING PLAN
SCALE 1:25



SECTION 1
SCALE 1:25

Issued for	Issue	Date	Issued By	Rev. No.	Date	Designed	Drawn	Checked	Description of Revision	Rev. No.	Date	Designed	Drawn	Checked	Description of Revision
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Approvals															
Tender															
Permits															
Construction															
Record Drawings	R1	DEC/06	TWS												



BRITANNIA BAY PROPERTIES LTD.
WASTEWATER TREATMENT PLANT
MECHANICAL
DEWATERING BLDG - SOLIDS DEWATERING ARRANGEMENT

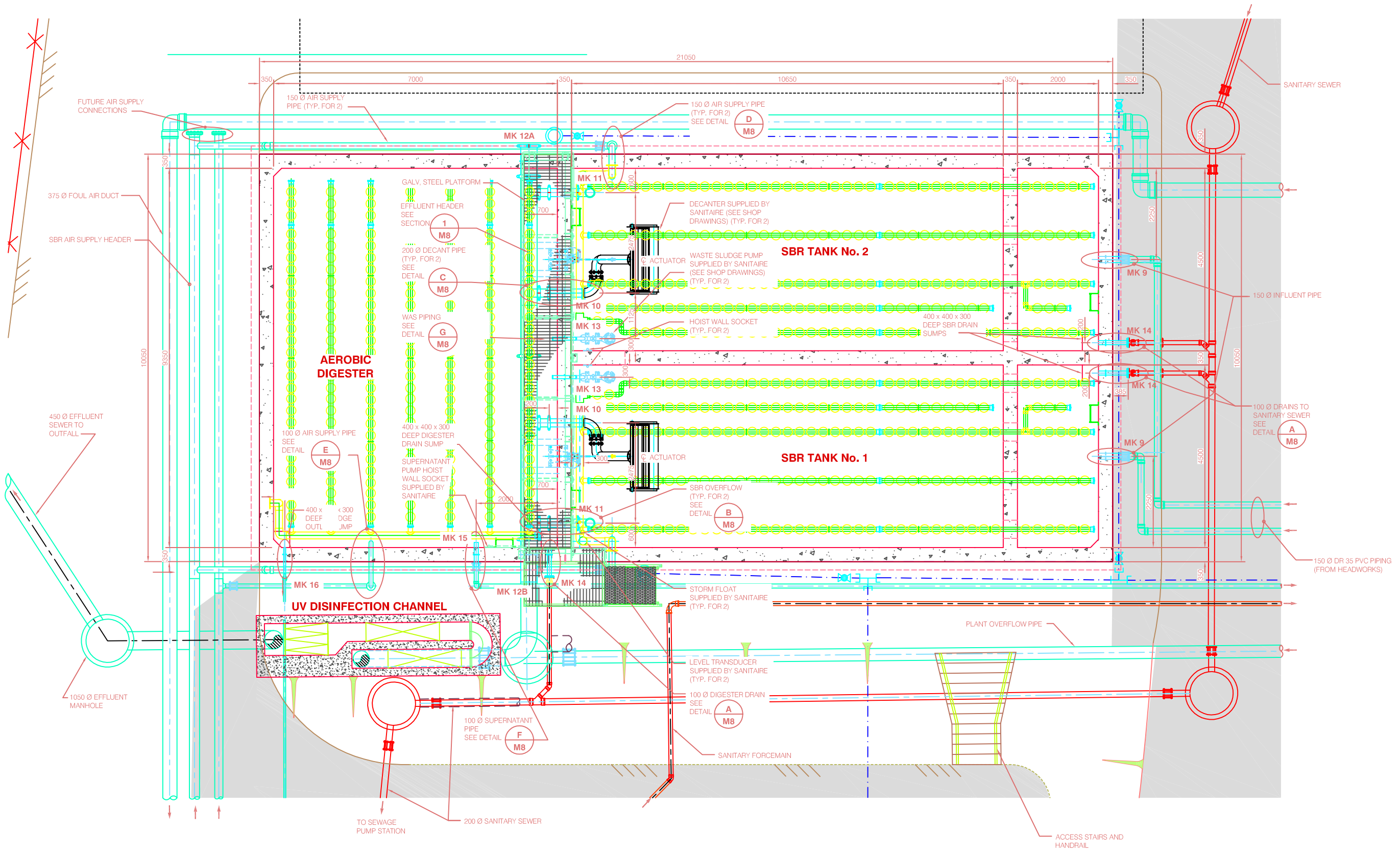
KWL Project No. 2174.002 Scale AS SHOWN **M4**
 Sheet 63 of 84 Rev. No. 1 Drawing Number

Client: Britannia Bay Properties Ltd.

AT FULL SIZE THIS BAR MEASURES 100mm. ALL SCALES REFERENCED TO FULL SIZE.

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ISSUED INFORMATION															
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Reference				1	DEC/06	TWS	RM	TWS	RECORDED DRAWING						
Approvals															
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Permits															
Construction															
Record Drawings	R1	DEC/06	TWS												



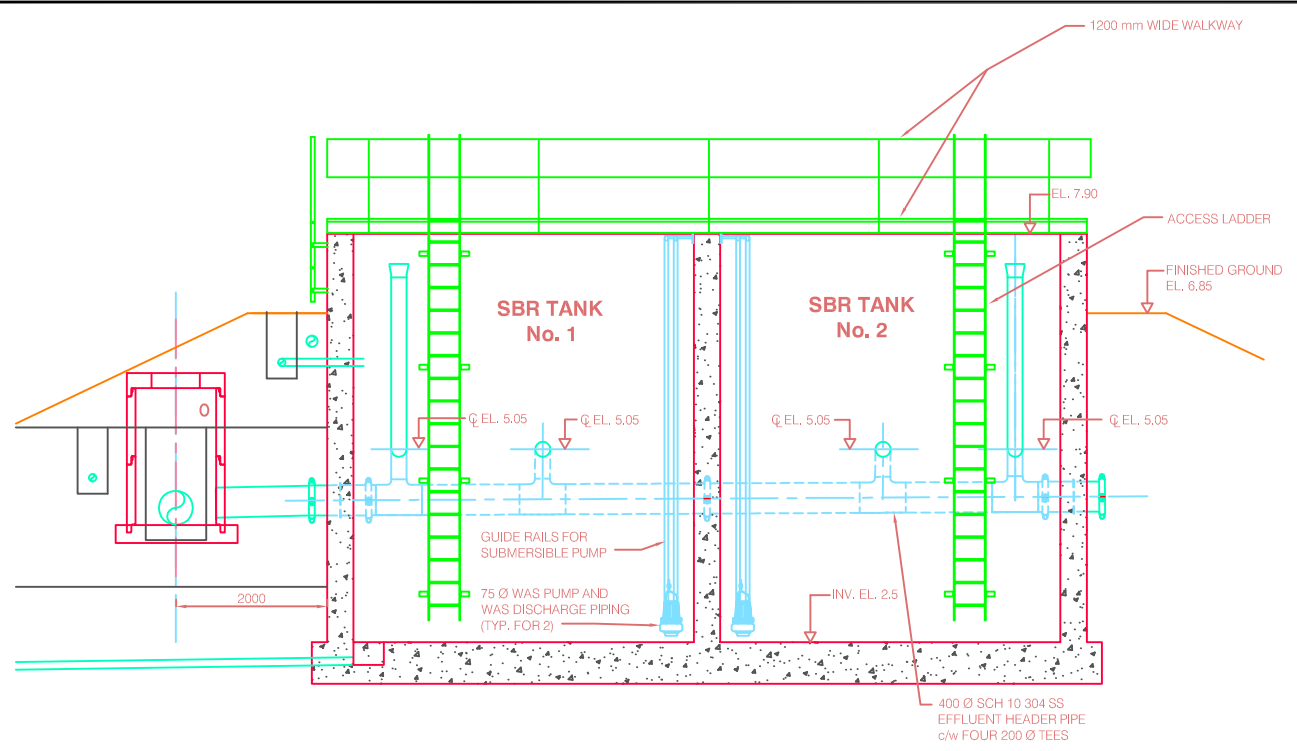
BRITANNIA BAY PROPERTIES LTD.
WASTEWATER TREATMENT PLANT
MECHANICAL
SBR & DIGESTER - GENERAL ARRANGEMENT

KWL Project No. 2174.002 Scale 1:50 **M7**
 Sheet 64 of 84 Rev. No. 1 Drawing Number
 Client: Britannia Bay Properties Ltd.

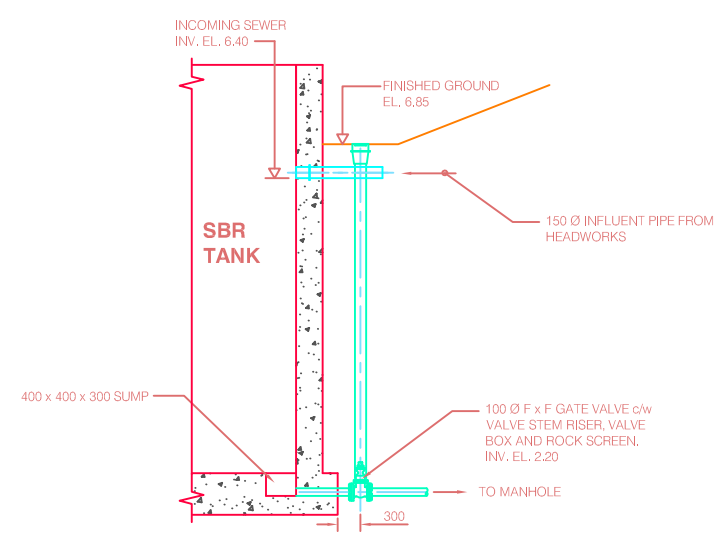
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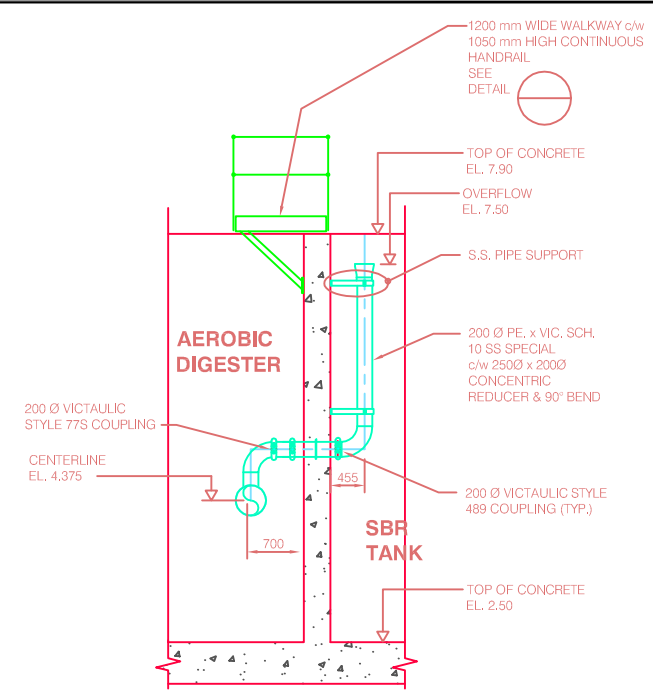
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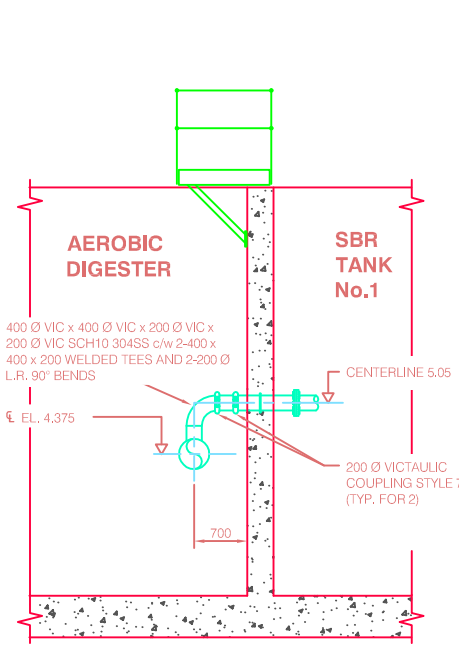
SECTION 1
SCALE 1:50
M7



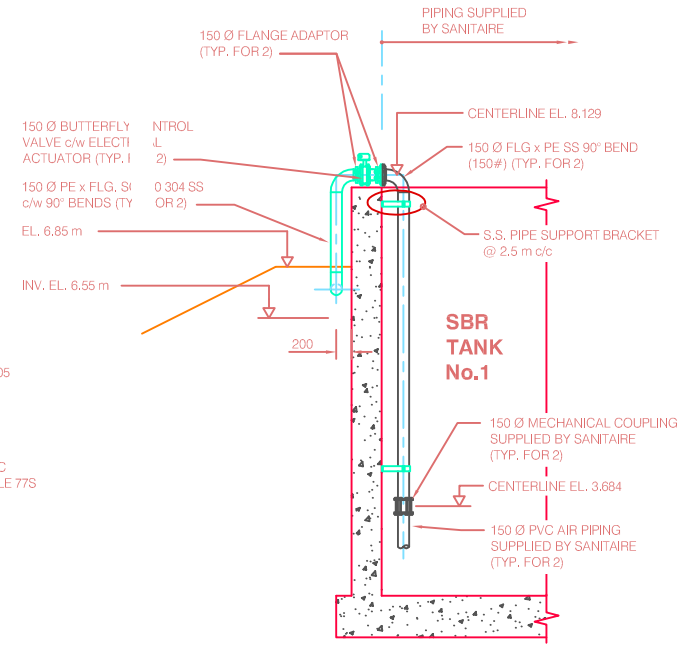
DETAIL A
SCALE 1:50
M7



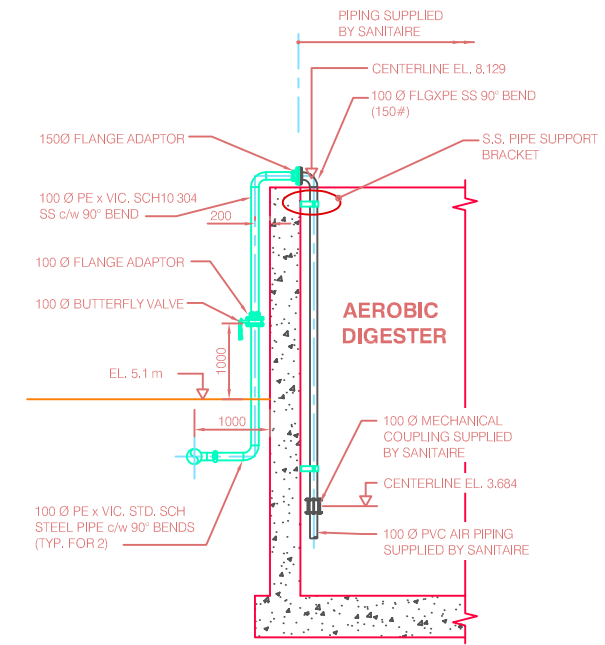
DETAIL B
SCALE 1:50
M7



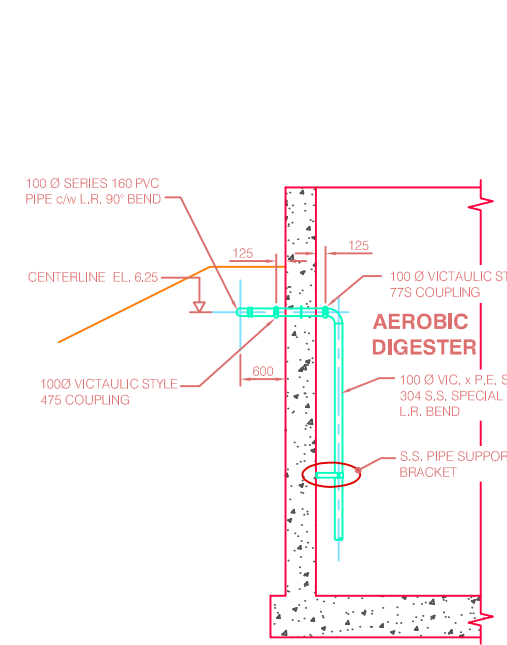
DETAIL C
SCALE 1:50
M7



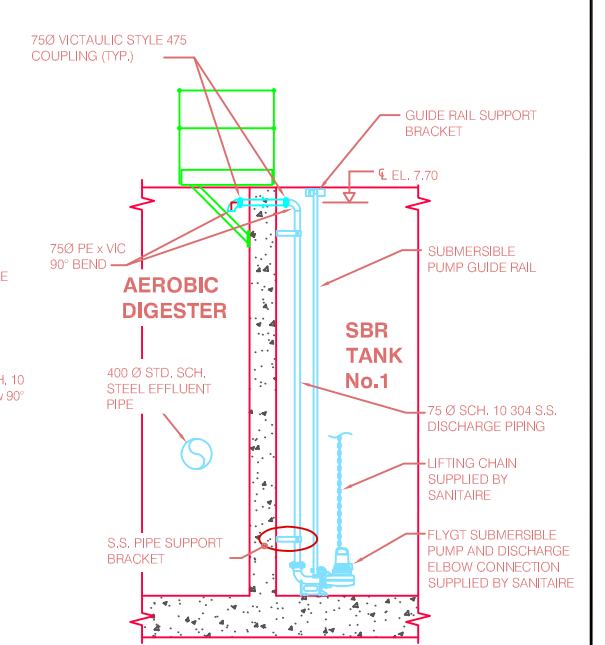
DETAIL D
SCALE 1:50
M7



DETAIL E
SCALE 1:50
M7



DETAIL F
SCALE 1:50
M7



DETAIL G
SCALE 1:50
M7

ISSUED INFORMATION

Issued for	Issue	Date	Issued By
Reference			
Approvals			
Tender			
Permits			
Construction			
Record Drawings	R1	Dec/06	TWS

REVISION INFORMATION

Rev. No.	Date	Designed	Drawn	Checked	Description of Revision
1	Dec/06	TWS	RM	TWS	RECORD DRAWING

Rev. No.	Date	Designed	Drawn	Checked	Description of Revision

Rev. No.	Date	Designed	Drawn	Checked	Description of Revision

Rev. No.	Date	Designed	Drawn	Checked	Description of Revision

Rev. No.	Date	Designed	Drawn	Checked	Description of Revision

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BRITANNIA BAY PROPERTIES LTD.
WASTEWATER TREATMENT PLANT
MECHANICAL
SBR & DIGESTER - MISC. DETAILS

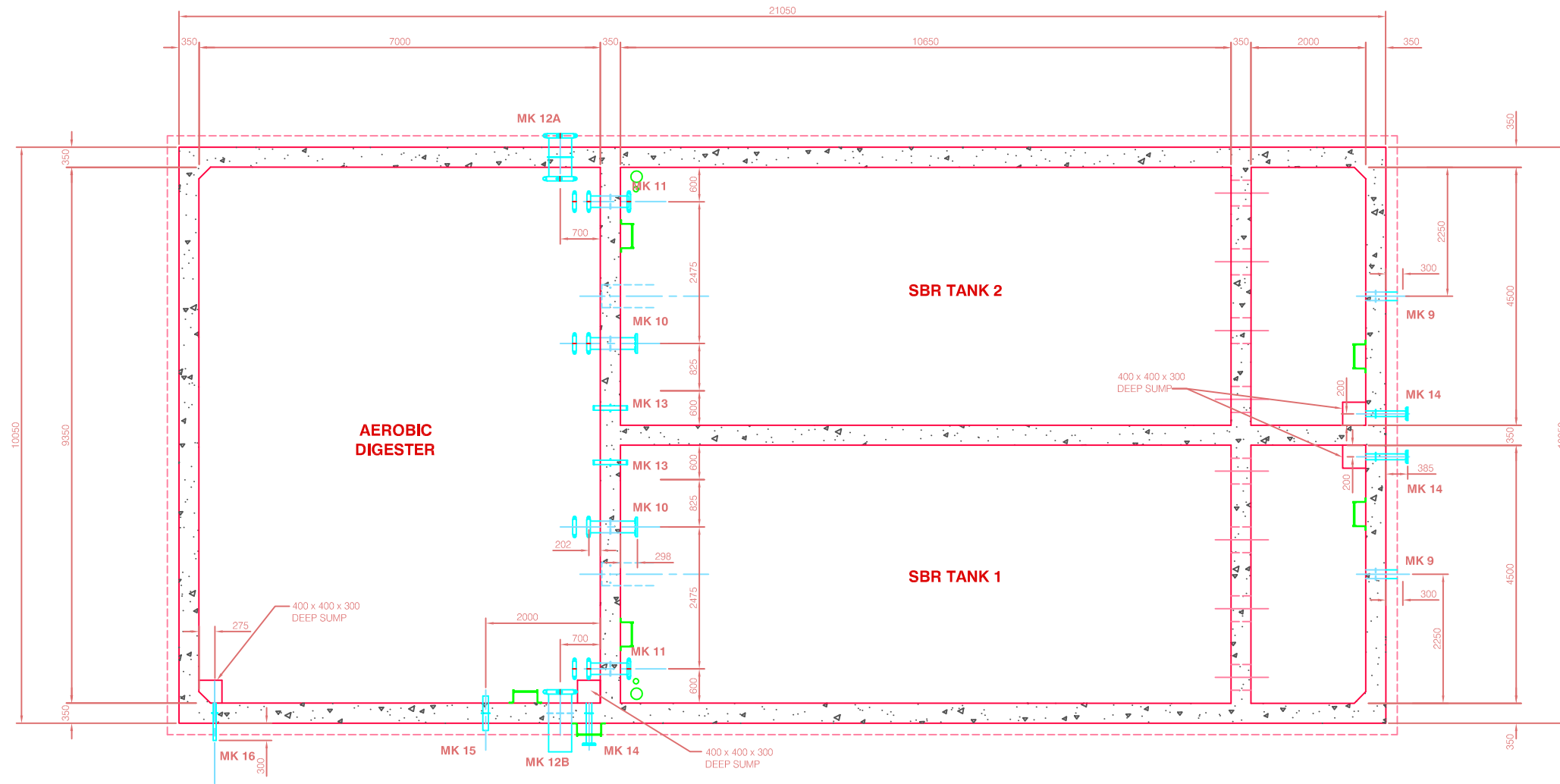
KWL Project No. 2174.002 Scale 1:50
Sheet 65 of 84 Rev. No. 1 **M8**
Drawing Number

Client: Britannia Bay Properties Ltd.

AT FULL SIZE THE BAR MEASURES 100mm. ALL SCALES REFERENCED TO FULL SIZE.

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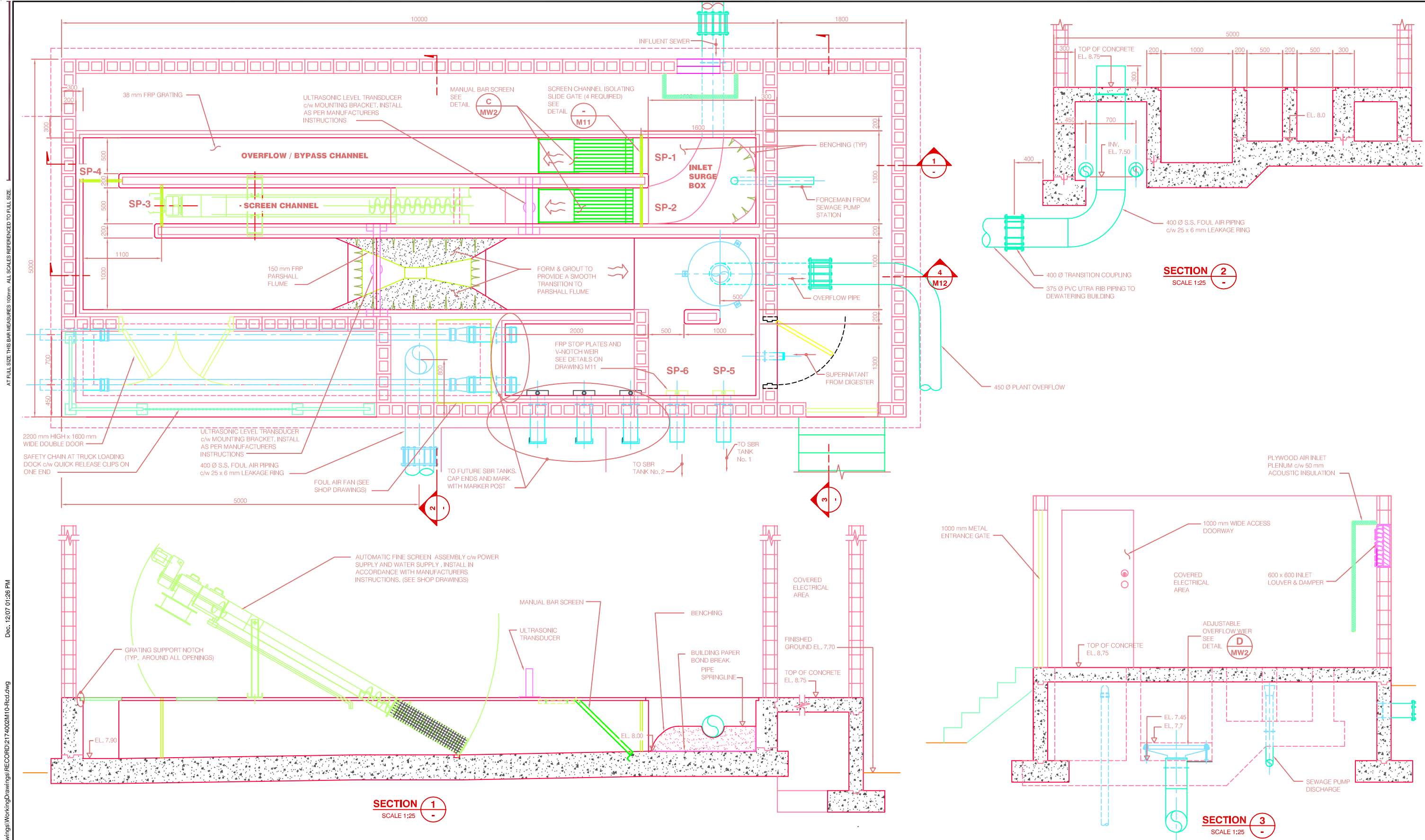


Issued for	Issue	Date	Issued By	Rev. No.	Date	Designed	Drawn	Checked	Description of Revision	Rev. No.	Date	Designed	Drawn	Checked	Description of Revision
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Approvals				2	July 21/05	AR	DA	TS	REVISION TO MK12B						
Tender				3	Dec/06	AR	RM	TS	RECORD DRAWING						
Permits															
Construction															
Record Drawings	R1	Dec/06	TWS												



BRITANNIA BAY PROPERTIES LTD.
WASTEWATER TREATMENT PLANT
MECHANICAL
SBR & DIGESTER - SPOOL DETAILS

KWL Project No. 2174.002 Scale 1:50
 Sheet 66 of 84 Rev. No. 3
M9
 Drawing Number
 Client: Britannia Bay Properties Ltd.



AT FULL SIZE THE BAR MEASURES 100mm. ALL SCALES REFERENCED TO FULL SIZE.

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Issued for	Issue	Date	Issued By	Rev. No.	Date	Designed	Drawn	Checked	Description of Revision	Rev. No.	Date	Designed	Drawn	Checked	Description of Revision
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Approvals															
Tender															
Permits															
Construction															
Record Drawings	R1	Dec/06	TWS												

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BRITANNIA BAY PROPERTIES LTD.
WASTEWATER TREATMENT PLANT
MECHANICAL
HEADWORKS - GENERAL ARRANGEMENT

KWL Project No. 2174.002 Scale AS SHOWN **M10**
 Sheet 67 of 84 Rev. No. 1 Drawing Number

Client: Britannia Bay Properties Ltd.

SCHEDULE “F” – SCOPE OF WORK

1. Regular Services

The services contained in this Section 1 are the “**Regular Services**”.

1.1 The Contractor will provide to the SLRD day-to-day operations and maintenance services for the Water System and the Wastewater System (collectively, the “**Systems**”) as required by applicable legislation and provincial operating permits, comprising, generally:

- (a) operation and maintenance services, the distribution and collection systems, and the mechanical elements of the Systems;
- (b) regular water testing and wastewater testing; and
- (c) regularly scheduled inspections of the Systems.

1.2 As required by applicable legislation and provincial operating permits, the Proponent will:

- (a) regularly attend the Systems for the purpose of performing the Regular Services;
- (b) perform regular tests of the components and processes of the Systems and maintain comprehensive records of such test results;
- (c) develop semi-annual and annual reports in respect of the Systems in accordance with operating permits and submit to: (1) Ministry of Environment and Parks; and (2) Vancouver Coastal Health (with copies provided to the SLRD);
- (d) conduct day-to-day operations and maintenance of the Systems, including but not limited to:
 - (i) executing a routine lubrication program;
 - (ii) following preventative maintenance procedures; and
 - (iii) providing and maintaining an inventory of all necessary equipment and tools.
- (e) collect and attend to the testing and analysis of water samples and wastewater samples;
- (f) develop monthly reports in respect of the Systems with the following information and submit to the SLRD:
 - (i) details of all emergency call outs (including responses to alarms);
 - (ii) details of any projects undertaken beyond regular operations and maintenance of the Systems;

- (g) ensure that all records are available for review by the SLRD at all times throughout the Term upon reasonable notice, and deliver to the SLRD all copies of such records as the SLRD may reasonably require at the end of the Term;
- (h) assist the SLRD in preparing annual maintenance budgets for the Systems;
- (i) meet periodically with relevant governmental authorities in respect of inspections and reports relating to the Systems;
- (j) maintain system check, field analysis results, scheduled maintenance tasks and employee monitoring records through the Proponent's web-based program;
- (k) monitor the SCADA system for the Systems;
- (l) take reasonable steps to ensure the security of the Systems by locking doors and gates, setting appropriate security alarm systems, and protecting security passwords;
- (m) test generators and alarms as needed;
- (n) regularly test and maintain all equipment not currently in use (including, but not limited to well pumps, backup blowers and valves);
- (o) provide a vehicle for use in performing the Services and provide annual fuel consumption and/or mileage values to the SLRD for Climate Action Charter reporting purposes (for clarity, expenses associated with the vehicle are not a reimbursable expense);
- (p) maintain a 24-hour emergency service number that the SLRD and end users may call in case of an emergency relating to the Systems;
- (q) communicate and work with the SLRD in respect of any rate adjustments, problems or concerns the SLRD or the Contractor may have arising from the Systems or their operations.

1.3 For greater certainty but without limiting the generality of statements made above, the Contractor will not as part of the Regular Services set out above:

- make any capital improvements or major repairs to the Systems; or
- perform any of the Additional Services listed in Section 3 below (the Additional Services will be performed only upon request of the SLRD, on the terms and conditions set out below).

CONTINUED ON NEXT PAGE

2. SPECIFIC SERVICES

The services contained in this section 2 are the “**Specific Services**”.

2.1 The Water System

As required by applicable legislation and provincial operating permits and by the SLRD, the Contractor will:

- (a) develop a detailed operation and maintenance plan for the Water System;
- (b) clean, maintain and calibrate instrumentation on a monthly basis or as needed;
- (c) monitor inventory, supplies and parts and notify the SLRD when it is time for the SLRD to replenish/order such items;
- (d) only if specifically authorized by the SLRD or as otherwise provided in this Schedule F, place orders for inventory, supplies and parts;
- (e) top-up chemical storage systems (chlorine as needed) as required by design or as directed by the SLRD from time-to-time;
- (f) clean all chemical injectors, supply lines, filters and metering pumps as needed;
- (g) read plant flow meters on a twice-weekly basis and record in logbook;
- (h) take reasonable steps to ensure that hydrants are accessible at all times including during winter months;
- (i) coordinate hydrant maintenance and servicing on an annual basis;
- (j) inspect new service connections as needed;
- (k) perform pressure reducing valve checks on a monthly basis;
- (l) have a certified specialist inspect and test all backflow preventers and pressure reducing valves on an annual basis;
- (m) test diesel back-up generator (at the treatment plant) and check fuel level on a monthly basis;
- (n) check the operation of the distribution system (including the water reservoir) on a regular basis;
- (o) perform well maintenance at the request of the SLRD;
- (p) drain and clean the water reservoir as needed or as requested by the SLRD;
- (q) flush the watermain on an annual basis or as needed;

- (r) exercise mainline valves on an annual basis;
- (s) during normal basis hours, assist the SLRD with locating faulty or failed distribution system components, including but not limited to: valves; curb stops; leaking connections and services; mainline breaks and/or leaks; and
- (t) record and report the water meter reading on a quarterly basis.

2.2 The Wastewater System

The Contractor will:

- (a) develop a detailed operation and maintenance plan for the Wastewater System;
- (b) clean the grit removal system on weekly basis at a minimum;
- (c) transfer sludge as needed;
- (d) read plant flow meters on a regular basis;
- (e) clean and flush tanks as necessary;
- (f) inspect process control equipment to ensure proper operation of up-flow sequential sludge blanket filtration, batch reactor wastewater treatment process, pump, blower and aeration systems, filters, and other chemical feeders;
- (g) operate pump controls and valve controls for pumping of all process streams;
- (h) rake bar screens and dispose of screenings;
- (i) hose down weirs, walls and channels on a regular basis;
- (j) record and analyze wastewater flow and chemical utilization, if applicable;
- (k) check chemical feed pumps, compare to routine calculations, and determine operational adjustment requirements if applicable;
- (l) calculate, record, and analyze the amount of wastewater treated, the daily and monthly flows, pumping station running hours, diesel running hours, amount of chemicals used, and the sludge hauled;
- (m) perform routine wastewater tests (including but not limited to total suspended solids, dissolved oxygen, temperature, and 30-minute settling), record results, interpret plant process control parameters and make operational adjustments as required;
- (n) inspect all pumps, force main and chambers and make process changes on an annual basis as required;

- (o) monitor wastewater and force main collection system on a regular basis for leaks, illegal connections and illegal discharge of contaminants to sewer, where conditions and flows warrant further analysis; and
- (p) during regular business hours, assist the SLRD with locating faulty or failed collection system components, including but not limited to leaking or plugged connections and services, mainline breaks and/or leaks.

CONTINUED ON NEXT PAGE

3. Additional Services (Emergency Services)

3.1. As reasonably required to comply with Laws and Permits, the Contractor will perform emergency maintenance and repair services in respect of the Systems as Additional Services under this Agreement in the following circumstances (each, an “Event”):

- (a) upon receipt from either the SLRD or an end user notification of an emergency Event (including equipment failure);
- (b) if it is directed or ordered by a governmental authority to take such measures; or
- (c) if the Contractor identifies a deficiency, provided that circumstances are such that it is not reasonably practicable for the Contractor to obtain the advance approval of the SLRD to remedy such deficiency and the Contractor provides notice to the SLRD as soon as possible afterwards.

3.2. In all situations, the Contractor will take steps to resolve the Event in a timely manner while minimizing associated costs. Where practicable, the Contractor will make use of the SLRD’s resources.

3.3 The protocol regarding such emergency maintenance and repair services is as follows:

- (a) If the Contractor expects the required maintenance or repair to be \$1,000 or less, then:
 - the Contractor will undertake the necessary minor maintenance and repairs and may do so without first consulting or obtaining the approval of the SLRD;
 - as soon as practical (and in any event within three (3) Business Days of the Event), the Contractor will notify the SLRD of:
 - the Event; and
 - the Additional Services performed;
 - in its monthly reporting to the SLRD, the Contractor will include details of the Event.
- (b) If the Contractor expects the required maintenance or repair to exceed \$1,000 and:
 - (i) there is an anticipated threat to health or continued operations, then:
 - as soon as possible, the Contractor will provide verbal notice of the Event to the SLRD’s designated representative (i.e. by telephone), but will otherwise be entitled to take such steps as it deems necessary to correct or address the Event.

- (ii) there is no anticipated threat to health or continued operations, then:
- the Contractor will provide written notice of the Event to the SLRD's designated representative and will provide an estimated cost for correction and priority assessment; and
 - upon receipt of written approval or instructions from the SLRD's designated representative and subject to:
 - the terms of this Agreement; and
 - the SLRD and the Contractor agreeing to any additional terms and conditions,

the Contractor will proceed with necessary repairs and maintenance.



SCHEDULE “G” – FEES (BRITANNIA BEACH)

REGULAR SERVICES AND SPECIFIC SERVICES

Subject to the terms and conditions of this Agreement, the Regular Services (as described in Section 1 of Schedule F) and the Specific Services (as described in Section 2 of Schedule F) will be provided by the Contractor as follows:

Britannia Beach Water System

Monthly Fixed Fee: \$_____per month plus applicable tax

Britannia Beach Wastewater System

Monthly Fixed Fee: \$_____per month plus applicable tax

Reimbursable Expenses:

Except as noted below, there are no reimbursable expenses. Upon submission of receipts, the following reimbursable expenses (with mark-ups as specifically noted below) are allowed:

- Section 1.2(e) of Schedule F - laboratory testing fees & associated freight charges (mark-up is not allowed).
- Section 2.1(d) of Schedule F - inventory, supplies & parts (mark-up of up to 15% is allowed).
- Section 2.2(c) of Schedule F - transportation fees & disposal fees (mark-up is not allowed).

ADDITIONAL SERVICES (EMERGENCY SERVICES)

Subject to the terms and conditions of this Agreement, the Additional Services (as described in Section 3 of Schedule F) will be provided by Contractor as follows

Rates as set out below:

Level 1 operator: \$_____per hour Level

2 operator: \$_____per hour

Supervisor/Manager: \$_____per hour

Pursuant to Section 3.2 of Schedule F, parts or supplies purchased by the Contractor will be reimbursed by the SLRD upon submission of receipts (mark-up of up to 15% is allowed).

SCHEDULE “H” - DRAFT SERVICES AGREEMENT

See attached

SCHEDULE “H” - DRAFT SERVICES AGREEMENT

THIS AGREEMENT dated _____ is

BETWEEN:

SQUAMISH-LILLOOET REGIONAL DISTRICT

(the "Regional District")

AND:

NAME doing business as **NAME**

(the "Contractor")

The SLRD wishes to engage the Contractor for the provision of services as described in the Request for Proposals: Operations & Maintenance Services – Water and Wastewater Systems (BRITANNIA BEACH) the scope of such services and each of the service locations are specified in the Terms of Reference (as defined below); and

The Contractor wishes to provide such services to the Regional District in accordance with the terms and conditions of the agreement;

This Agreement is evidence that in consideration of the promises exchanged below, the Regional District and the Contractor agree with each other as follows:

Definitions

1. In this Agreement, in addition to the words defined above,
 - a. **“Terms of Reference”** means the terms of reference for performance of the Services attached here as Schedule “A” which forms part of this Agreement; and
 - b. **“Services”** means the acts, services and work described in the Terms of Reference and all acts, services and work necessary to achieve the objectives set out in the Terms of Reference.

Services to be Performed by the Contractor

2. The Contractor agrees to perform the Services during the Term, in accordance with the Terms of Reference, on the terms and conditions of this Agreement.

Term and Renewal

3. The term of this Agreement commences on or about DATE and ends on the earlier of the completion of the Services or DATE (the **“Term”**), unless terminated earlier in accordance with this Agreement.

Warranty as to Quality of Services

4. The Contractor represents and warrants to the Regional District that:
 - a. it will perform the Services with that degree of care, skill, and diligence normally applied in the performance of services of a similar nature and magnitude to those contemplated by this agreement at the time and place the Services are rendered;
 - b. it will perform the Services in accordance with sound current professional practices;
 - c. the Contractor and any of its employees which undertake the Services have the education, training, skill, experience and resources necessary to perform the Services;
 - d. the Services will be performed in accordance with all applicable enactments and laws and in compliance with all relevant codes, rules, regulations and standards of any relevant professional or industry organization or association; and

and the Contractor acknowledges and agrees that the Regional District has entered into this Agreement relying on the representations and warranties in this section.

Remuneration and Reimbursement

5. The Regional District must pay the Contractor for the Services in the amount provided in the Terms of Reference in accordance with this Agreement.

Invoice

6. Not more than once each month, the Contractor may deliver an invoice to the Regional District, in respect of the immediately preceding month, setting out the aggregate amount of fees claimed for Services performed in that preceding month for each of the service locations specified in the Terms of Reference. For greater clarity, the invoice must clearly break out the fees claimed for Services delivered in respect of each of the service locations set out in the Terms of Reference.

Payment by the Regional District

7. The Regional District must, to the extent it is satisfied the fees are for Services reasonably and necessarily performed by the Contractor and subject to section 8 and subject to any right of set-off that the Regional District may have, pay the Contractor the fees claimed in the invoice delivered in accordance with section 6, within 30 days after delivery of the invoice to the Regional District.

Starting in January 2027, the rate schedule referenced above shall be increased by an equivalent of half of the percentage published by the Consumer Price Index from Statistics Canada for the Province of British Columbia for the period of January to

December of the previous year. If the CPI change of the previous year is a negative result, the effective increase applied will be zero percent (0.0%).

Termination or Suspension at the Discretion of the Regional District

8. Despite any other section of this Agreement, the Regional District may, in its sole discretion, terminate or suspend all or any part of the Services by giving the Contractor notice of termination or suspension, as the case may be, with such effective date of termination or suspension so noted thereon. If the Regional District terminates or suspends all or part of the Services under this section, then the Contractor is entitled to deliver an invoice to the Regional District for the period between the end of the time period for which the last invoice was delivered by the Contractor under section 6 and the effective date of termination or suspension. The Regional District must, to the extent that it is satisfied the fees and disbursements are for Services reasonably and necessarily performed by the Contractor, pay the Contractor the fees and disbursements claimed in such invoice, within 30 days after delivery of such invoice to the Regional District. The Contractor is not entitled to, and irrevocably waives and releases, damages or compensation for costs incurred, loss of profit, or loss of opportunity, directly or indirectly arising out of termination or suspension of all or any part of the Services.

Termination for Breach

9. The Regional District may, by giving the Contractor notice of termination, immediately terminate all or any part of the Services, if the Contractor:
 - a. is in breach of this Agreement and within 5 days of receiving notice of such breach from the Regional District, the Contractor has not cured the breach or is not, to the satisfaction of the Regional District in its sole discretion, diligently pursuing a cure for the breach; or
 - b. becomes bankrupt or insolvent, a receiving order is made against the Contractor, an assignment is made for the benefit of the Contractor's creditors, or the Contractor takes the benefit of any enactment relating to bankrupt or insolvent debtors.

Without limiting any other right or remedy available to the Regional District, if the Regional District terminates all or any part of the Services under this section, the Regional District may arrange, upon such terms and conditions and in such manner as it considers appropriate, for performance of any part of the Services remaining to be completed, and the Contractor is liable to the Regional District for any expenses reasonably and necessarily incurred by the Regional District in engaging the services of another person to perform those Services. The Regional District may set off against, and withhold from amounts due to the Contractor such amounts as the Regional District determines, acting reasonably, are necessary to compensate and reimburse the Regional District for the expenses described in this section.

Confidential Information

10. Except as required by law, the Contractor must not, during or after the Term, divulge or disclose any secret or confidential information, or divulge or disclose any information that the Contractor receives or observes in connection with this Agreement and the performance of the Services which in good faith or good conservice ought not to be disclosed.

Records

11. The Contractor must:
 - a. keep proper accounts and records of its performance of the Services, including invoices, receipts and vouchers, which must at all reasonable times be open to audit and inspection by the Regional District, which may make copies and take extracts from the accounts and records;
 - b. keep reasonably detailed records of performance of the Services by the Contractor, which must at all reasonable times be open to inspection by the Regional District, which may make copies and take extracts from the records;
 - c. afford facilities and access to accounts and records for audit and inspection by the Regional District and must furnish the Regional District with such information as the Regional District may from time to time require regarding those documents; and
 - d. preserve and keep available for audit and inspection, all records described in section 11(a) through (c) for at least two years after completion of the Services or termination of this Agreement, whichever applies.

Delivery of Records

12. If the Regional District terminates all or part of the Services under this Agreement, the Contractor must immediately deliver to the Regional District, without request, all Services-related documents in the Contractor's possession or under its control as well as all keys issued to the Contractor by the Regional District.

Agreement for Services

13. This is an Agreement for the performance of services and the Contractor is engaged under the Agreement as an independent contractor for the sole purpose of providing the Services. Except as is otherwise expressly prescribed in this Agreement, neither the Contractor nor any of its employees, contractors and representatives is engaged by the Regional District as an employee or agent of the Regional District. The Contractor is solely responsible for any and all remuneration and benefits payable to its employees, contractors and representatives, and all payments or deductions required to be made by any enactment, including those required for Canada Pension Plan, employment insurance, workers' compensation and income tax. This Agreement does not create a joint venture or partnership, and the Contractor has no authority to represent or bind the Regional District in any way.

Assignment of Agreement/Subcontracting of Services

14. The Contractor must not assign this Agreement (or any part thereof) or subcontract any or all of the Services to be performed under this Agreement without the prior written consent of the Regional District, such consent may be unreasonably withheld. The Regional District may refuse its consent if, among other reasons, it is not satisfied that the proposed assignee or proposed subcontractor, as the case may be, has the education, training, skill, experience or resources necessary to perform the Services. Any assignment or subcontract duly consented to by the Regional District does not relieve the Contractor from any obligation already incurred or accrued under this Agreement or impose any liability upon the Regional District.

Time of the Essence

15. Time is of the essence of this Agreement.

Release and Indemnification

16. Except to the extent arising out of the negligent acts or omissions of the Regional District and its directors, officers, employees, agents, successors and assigns, as determined by a court of competent jurisdiction, the Contractor must release, indemnify and save harmless the Regional District and its directors, officers, employees, agents, successors and assigns from and against any and all liabilities, actions, damages, claims, losses, costs and expenses whatsoever (including, without limitation, the full amount of all legal fees and disbursements) in any way directly or indirectly arising out of or caused, in whole or in part, by the Contractor, its employees, agents, or assigns in the performance of the Services herein, as determined by a court of competent jurisdiction.
17. The indemnity provided in section 16 by the Contractor to the Regional District will not in any way be limited or restricted by the insurance set out in section 19 or by limitations on the amount or type of damages, compensation or benefits payable under the *Workers' Compensation Act* or any other similar statute.
18. The indemnity provided in section 16 by the Contractor to the Regional District will survive notwithstanding the completion of all Services and the obligations and duties under this Agreement; for clarity, the release and indemnity shall survive the expiry or the termination of this Agreement for any reason.

Insurance Requirements

19. The Contractor must obtain and maintain throughout the Term automobile liability insurance on all vehicles, owned, operated or licensed in the name of the Contractor in an amount not less than \$5,000,000 per occurrence for bodily injury, death and damage to property (or such higher amount as is customary for a provider of landscaping services) as well as appropriate contractor's equipment insurance in all-risks form covering equipment used for the performance of the Services.
20. The Contractor must obtain and maintain throughout the Term commercial general liability insurance providing coverage for death, bodily injury, property loss and

damage and all other losses arising out of or in connection with the provision of the Services in an amount not less than \$2,000,000 per occurrence and shall meet the following requirements:

- a. name the Regional District as additional insured;
- b. include blanket contractual liability coverage, cross liability, and severability of interest;
- c. be issued by an insurance company entitled to carry on the business of insurance under the laws of British Columbia;
- d. be primary without right of contribution from any insurance carried by the Regional District;
- e. stipulate that it shall not be cancelled or materially changed without first providing 30 days written notice to the Regional District;
- f. include a deductible not greater than \$5,000 per occurrence; and
- g. be on other reasonable terms acceptable to the Regional District.

The Contractor must provide the Regional District with certificates of insurance confirming the placement and maintenance of such insurance at the signing of the Agreement and thereafter as requested to do so from time to time by the Regional District. If the Contractor's insurance shall expire or terminate before the end of the Term, the Contractor shall deliver a new certificate of insurance evidencing the new policies of insurance not less than ten (10) days before the new policies go into effect.

The above insurance requirements do not in any way reduce the Contractor's obligations to release and indemnify the Regional District as set out in section 16 of this Agreement.

WorkSafeBC

21. The Contractor must:

- a. provide proof of WorkSafeBC coverage (or if applicable, proof that WorkSafeBC coverage is not required) within 5 days of signing this Agreement and as may be required by the Regional District from time to time throughout the Term;
- b. remain current with all assessment reporting and payments due thereunder and shall comply in every respect with the requirements of the Workers

Compensation Act and Regulations; and

- c. be responsible for all fines, levies, penalties and assessments made or imposed under the Workers Compensation Act and regulations relating in any way to the Services.
22. The Contractor must take all precautions reasonably necessary to ensure the safety of the Contractor's personnel and all persons employed, contracted or subcontracted by the Contractor to perform the Services.
23. The Contractor is designated as the prime contractor on site.

Compliance

24. The Contractor must comply with all laws, rules and regulations applicable to the performance of the Services under this Agreement.

Severability

25. If any term or provision of this Agreement is illegal or invalid for any reason whatsoever as determined by a competent court of law, such term or provision shall be severable and the same shall not affect the validity of the remainder of this Agreement.

Notice

26. Any notice, direction, demand, approval, certificate or waiver which may be or is required to be given under this Agreement must be in writing and delivered personally or by courier or sent by e-mail, addressed as follows:

- a. To the Regional District:

Squamish-Lillooet Regional District
1350 Aster Street, Box 219
Pemberton, B.C. V0N 2L0
E-mail Address: EWitwicki@slrd.bc.ca
Attention: Ed Witwicki, Manager of Infrastructure and Utility Services

- b. To the Contractor:

NAME
ADDRESS
Phone Number:
E-mail Address:
Attention:

or to such other address, or e-mail address of which notice has been given as provided in this section.

Any notice, direction, demand, approval or waiver delivered is to be considered given on the next business day after it is dispatched for delivery. Any notice, direction, demand, approval or waiver sent by e-mail is to be considered given on the day it is sent, if that day is a business day and if that day is not a business day, it is to be considered given on the next business day after the date it is sent.

Interpretation and Governing Law

27. In this Agreement:

- a. reference to the singular includes a reference to the plural, and vice versa, unless the context requires otherwise;
- b. reference to a particular numbered section or Schedule is a reference to the correspondingly numbered section or Schedule of this Agreement;
- c. the word "enactment" has the meaning given to it in the *Interpretation Act* (British Columbia) on the reference date of this Agreement;
- d. reference to any enactment is a reference to that enactment as amended, unless otherwise expressly provided;
- e. reference to a month is a reference to a calendar month; and
- f. section headings have been inserted for ease of reference only and are not to be used in interpreting this Agreement.

28. This Agreement is governed by, and is to be interpreted according to, the laws of British Columbia.

Binding on Successors

29. This Agreement enures to the benefit of and is binding upon the parties and their respective executors, successors, trustees, administrators and receivers, despite any rule of law or equity to the contrary.

Entire Agreement

30. This Agreement is the entire agreement between the parties and it terminates and supersedes all previous communications, representations, warranties, covenants and agreements, whether verbal or written, between the parties with respect to the subject matter of this Agreement.

Waiver

31. Waiver of any breach by a party must be express and in writing to be binding on that _____ party, and a waiver of a particular breach does not operate as a waiver any future _____



32. breach, whether of a like or different character.

Freedom of Information and Protection of Privacy Act

33. The Contractor understands that the Regional District is subject to the Freedom of Information and Protection of Privacy Act, RSBC 1996, c. 165 and agrees that this Agreement and the information it contains, and any information supplied by the Contractor to the Regional District in connection with this Agreement, is not implicitly confidential for the purposes of that enactment.

34. The Contractor understands that this Agreement, and the information it contains, may be the subject of an access to information request made to the Regional District under the Freedom of Information and Protection of Privacy Act and the Regional District may be obliged by that enactment to disclose all or part of this Agreement and the information it contains and all or part of any information the Contractor supplied to the Regional District in connection with this Agreement, whether or not the Contractor has expressly stipulated that the information in question is confidential for the purposes of that enactment.

Counterparts

35. This Agreement may be signed in as many counterparts as may be necessary, each of which so signed will be deemed to be an original and each copy sent by email or electronic facsimile transmissions will be deemed to be an original, and such counterparts together will constitute one and the same instrument and notwithstanding the date or dates of execution will be deemed to bear the date as set forth below.

As evidence of their agreement to be bound by the above terms and conditions of this Agreement, the parties have executed this Agreement below, on the respective dates written below.

SQUAMISH-LILLOOET REGIONAL DISTRICT by its authorized signatory:

Heather Paul
Chief Administrative Officer

Date

NAME:
by its authorized signatory:

Name:

Date