

CHASTER WELL AND PUMP IMPROVEMENTS

SUNSHINE COAST REGIONAL DISTRICT, INFRASTRUCTURE DIVISION SP100738 - ISSUED FOR TENDER August-2024

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00.505	SUNSHINE COAST REGIONAL DISTRICT LEGEND		
OBJECT	SURVEYED	PROPOSED	
WATER MAN			
WATER SERVICE	(S)	•	
WATER METER	$\overline{\mathcal{W}}$		
WATER VALVE	\otimes	$oldsymbol{\Theta}$	
HYDRANT	φ-		
FITTINGS	$\nabla \land \diamondsuit$		
BLOW-OFF	\Rightarrow	*	
SANITARY SEWER			
SANITARY SEWER SERVICE	(S)	•	
FORCEMAIN	SFM —	SFM SFM	
STORM SEWER	D		
STORM SEWER SERVICE	•	•	
DITCHING			
CULVERT			
LEGAL LOT LINES			
FENCE LINE	xx		
ROAD EDGE			
ROAD CENTERLINE			
ASPHALT RESTORATION			
ELECTRICAL		UEUE	
COMMUNICATIONS	Т		
GAS			
NATURAL WATER			
JTILITY POLE			
MANHOLE SANITARY/STORM	(S) (S)		
CLEAN OUT			
RON PIN		最後の問	

CONTACT INFORMATION

MANAGER CAPITAL PROJECTS

Jesse Waldorf.

Sunshine Coast Regional District (SCRD) 1975 Field Road Sechelt, BC V0N 3A1 TEL: 604-885-6800 EXT.6493

WATER - UTILITIES SUPERINTENDENT

Codi Abbott

Sunshine Coast Regional District (SCRD) Works Division 5920 Mason Rd, Sechelt, BC V0N 3A8 TEL: 604-885-6800 EXT.6311

NATURAL GAS

FortisBC Energy Inc. 16705 Fraser Highway Surrey, BC V4N 0E8 604 576 7000

POWER

BC Hydro 8475 128th Street,

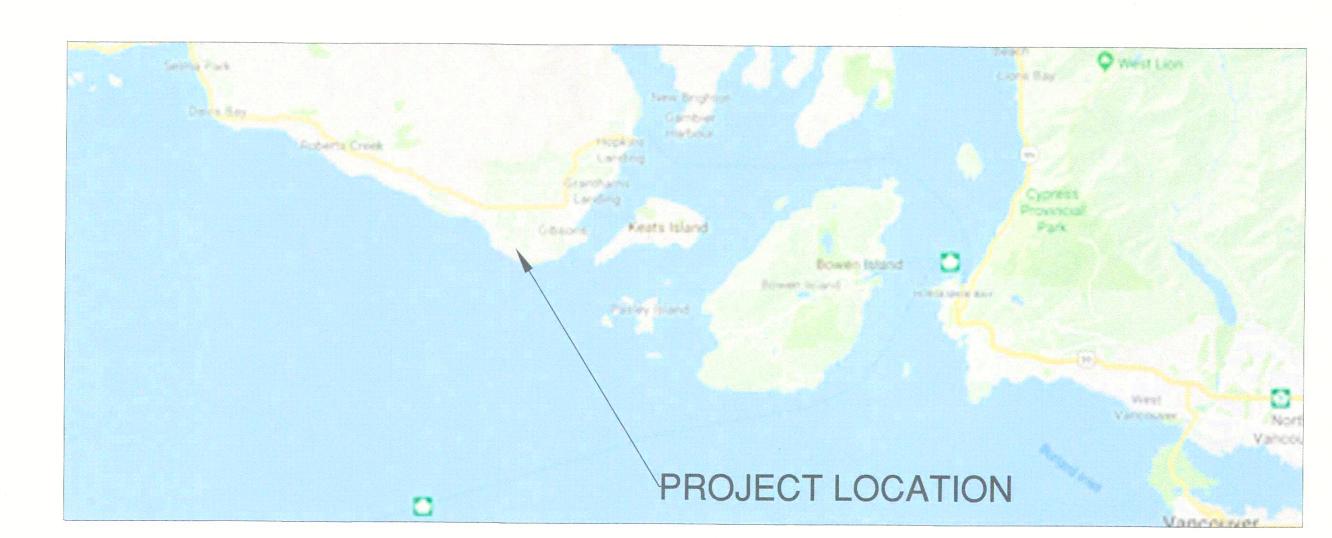
Surrey BC, V3W 0G1

800 667 1517

TELECOMMUNICATIONS

TELUS #1700-13408 108th Ave.

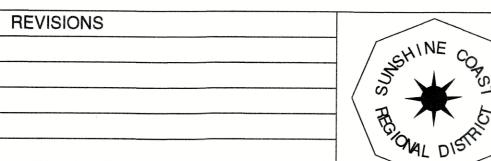
Surrey BC, V3T 5V6



SITE LOCATION | NTS



SITE PLAN

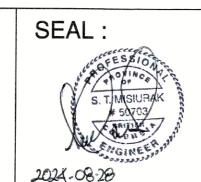


SUNSHINE COAST REGIONAL DISTRICT INFRASTRUCTURE DEPARTMENT PERMIT TO PRACTICE No. 1003260 1975 Field Road Sechelt, BC V0N 3A1 Ph: 604-885-6800 1-800-687-5753 Fax: 604-885-7909

604 885 6804 DESIGNED BY: JM/MM DRAWN BY: CHECKED BY: APPROVED BY: SM SCALE H n/a V n/a PLOT DATE: 2024-07-26

CHASTER ROAD WELL AND PUMP IMPROVEMENTS **DRAWING:**

COVER SHEET



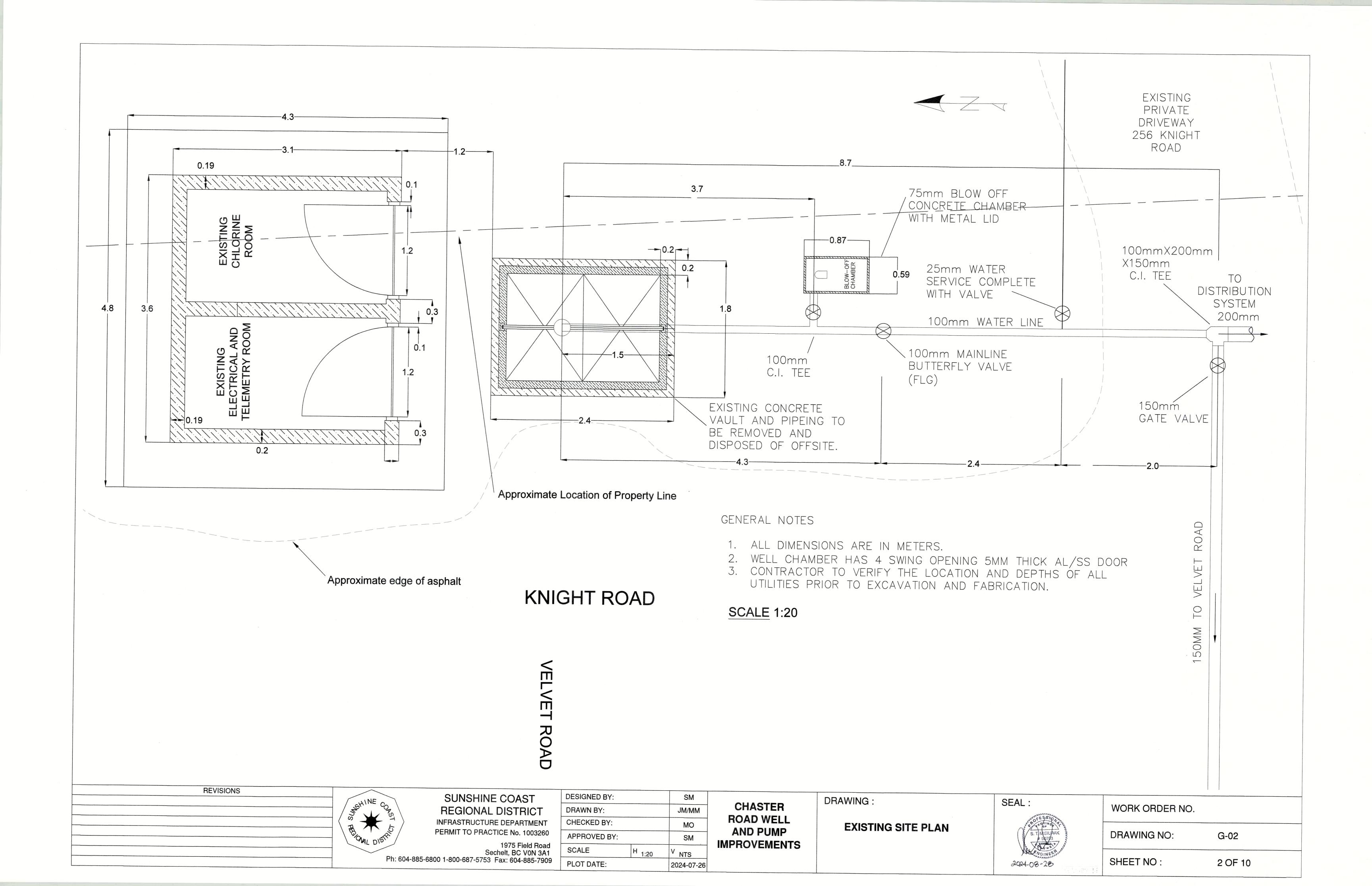
WORK ORDER NO.

DRAWING NO:

G-01

SHEET NO:

01 OF 10



PUMP HOUSE/HYPO STORAGE B 0.2 _0.4_ 0.2 0.2 0.6

QUANTITY **ITEM** DESCRIPTION ELECTRICAL CONTROL PANEL **BOOK SHELF TABLE** HYPOCHLORITE INJECTION CONTROL PANEL PUMP CONTROL PANEL HYPOCHLORITE INJECTION UNIT HYPOCHLORITE BARREL FIRST AID KIT MAGNETIC FLOW METER COMMUNICATION CABLE WELL HEAD VAL MATIC AIR-VAC SUMP CHAMBER 100mm Dia. D.I. SPOOL PIPE NON RESTRAINED MECHANICAL COUPLER MAGNETIC FLOW METER SENSOR HYPOCHLORITE INJECTOR PIPE 2 BALL VALVES 25mm A.V. & 19mm PSV PRESSURE GAUGE SURGE PRESSURE RELIEF VALVE DISCHARGE PRESSURE RELIEF VALVE 6mm RAW WATER SAMPLE LINE WITH SHUTOFF VALVE 25mm TREATED WATER SAMPLE LINE FOR RESIDUAL CHLORINE ANALYZER WELL DISCHARGE C.I. TEE 100mmX100mmX100mm (FLG) COMMUNICATION CABLE **JUNCTION BOX** 25mm CONDUITS AND VAULT PENETRATIONS 3 100mm SUMP DRAIN

SCHEDULE OF DRAWING ELEMENTS

REVISIONS



1 WELL VAULT

SUNSHINE COAST REGIONAL DISTRICT INFRASTRUCTURE DEPARTMENT PERMIT TO PRACTICE No. 1003260

TO DISTRIBUTION SYSTEM

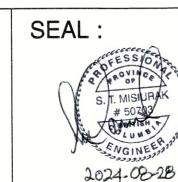
DESIGNED BY:

JM/MM DRAWN BY: CHECKED BY: MO APPROVED BY: SM 1975 Field Road Sechelt, BC V0N 3A1 SCALE V NTS H NTS 2024-07-26 PLOT DATE:

SM

CHASTER ROAD WELL AND PUMP **IMPROVEMENTS** **DRAWING:**

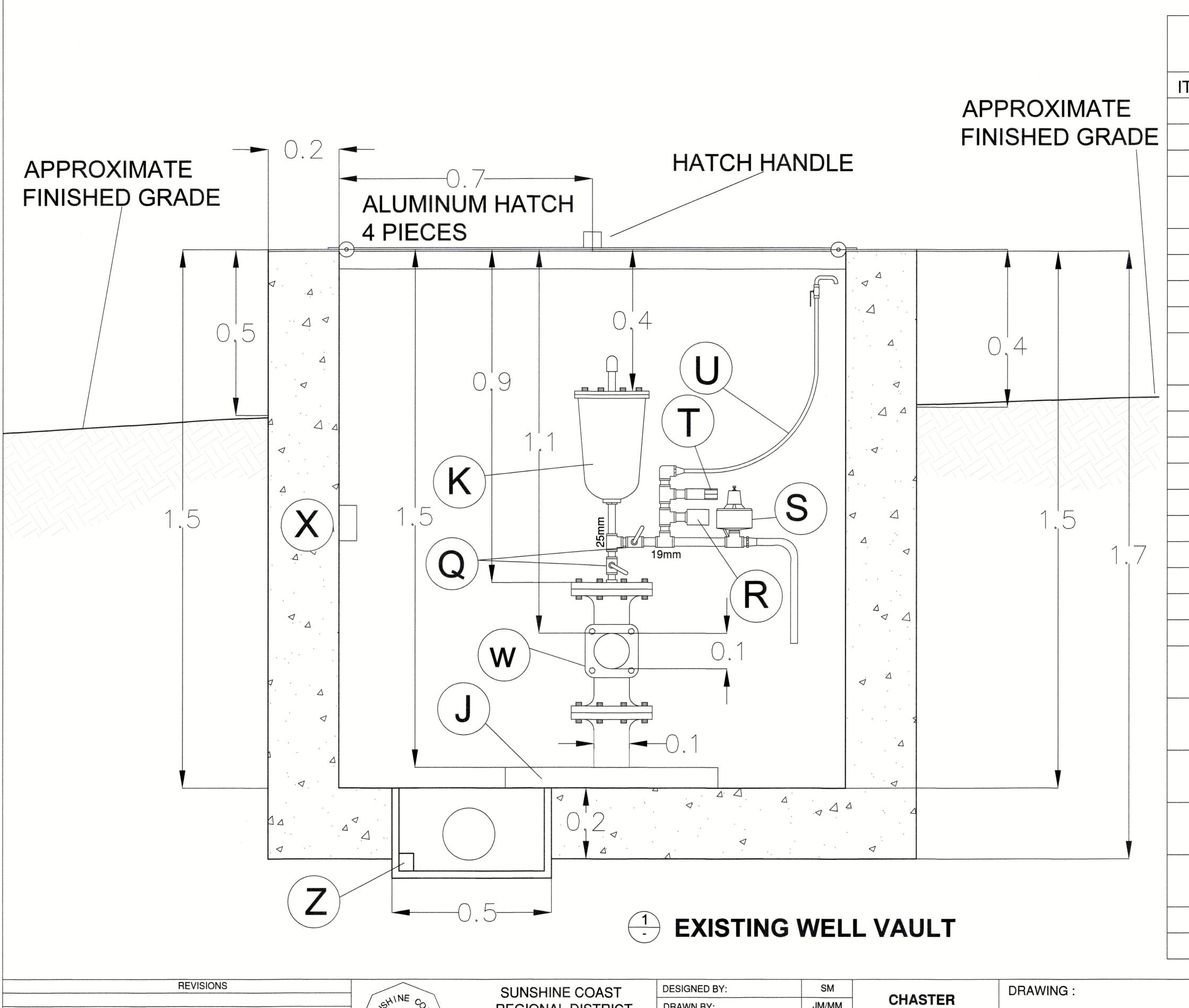
EXISTING WELL VAULT PLAN VIEW



WORK ORDER NO.

DRAWING NO: C-01

3 OF 10 SHEET NO:



ITEM	DESCRIPTION	QUANTITY
Α	ELECTRICAL CONTROL PANEL	1
В	BOOK SHELF	1
С	TABLE	1
D	HYPOCHLORITE INJECTION CONTROL PANEL	1
Е	PUMP CONTROL PANEL	1
F	HYPOCHLORITE INJECTION UNIT	1
G	HYPOCHLORITE BARREL	1
Н	FIRST AID KIT	1
ı	MAGNETIC FLOW METER COMMUNICATION CABLE	1
J	WELL HEAD BASE PLATE	1
K	VAL MATIC AIR-VAC	1
L	SUMP CHAMBER	1
М	100mm Dia. D.I. SPOOL PIPE	1
Ν	MECHANICAL COUPLER	1
0	MAGNATIC FLOW METER SENSOR	1
Р	HYPOCHLORITE INJECTOR PIPE	1
Q	BALL VALVES 25mm A.V. & 19mm PSV	2
R	PRESSURE GAUGE	1
S	SURGE PRESSURE RELIEF VALVE	1
Т	DISCHARGE PRESSURE RELIEF VALVE	1
U	6mm RAW WATER SAMPLE LINE WITH SHUTOFF VALVE	1
V	25mm TREATED WATER SAMPLE LINE FOR RESIDUAL CHLORINE ANALYZER	1
W	WELL DISCHARGE C.I. TEE 100mmX100mmX100mm (FLG)	1
X	COMMUNICATION CABLE JUNCTION BOX	1
Υ	25mm CONDUITS	3
Z	100mm SUMP DRAIN	1

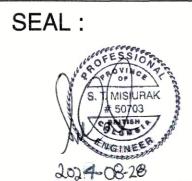
REGIONAL DISTRICT INFRASTRUCTURE DEPARTMENT PERMIT TO PRACTICE No. 1003260

1975 Field Road Sechelt, BC V0N 3A1 Ph: 604-885-6800 1-800-687-5753 Fax: 604-885-7909

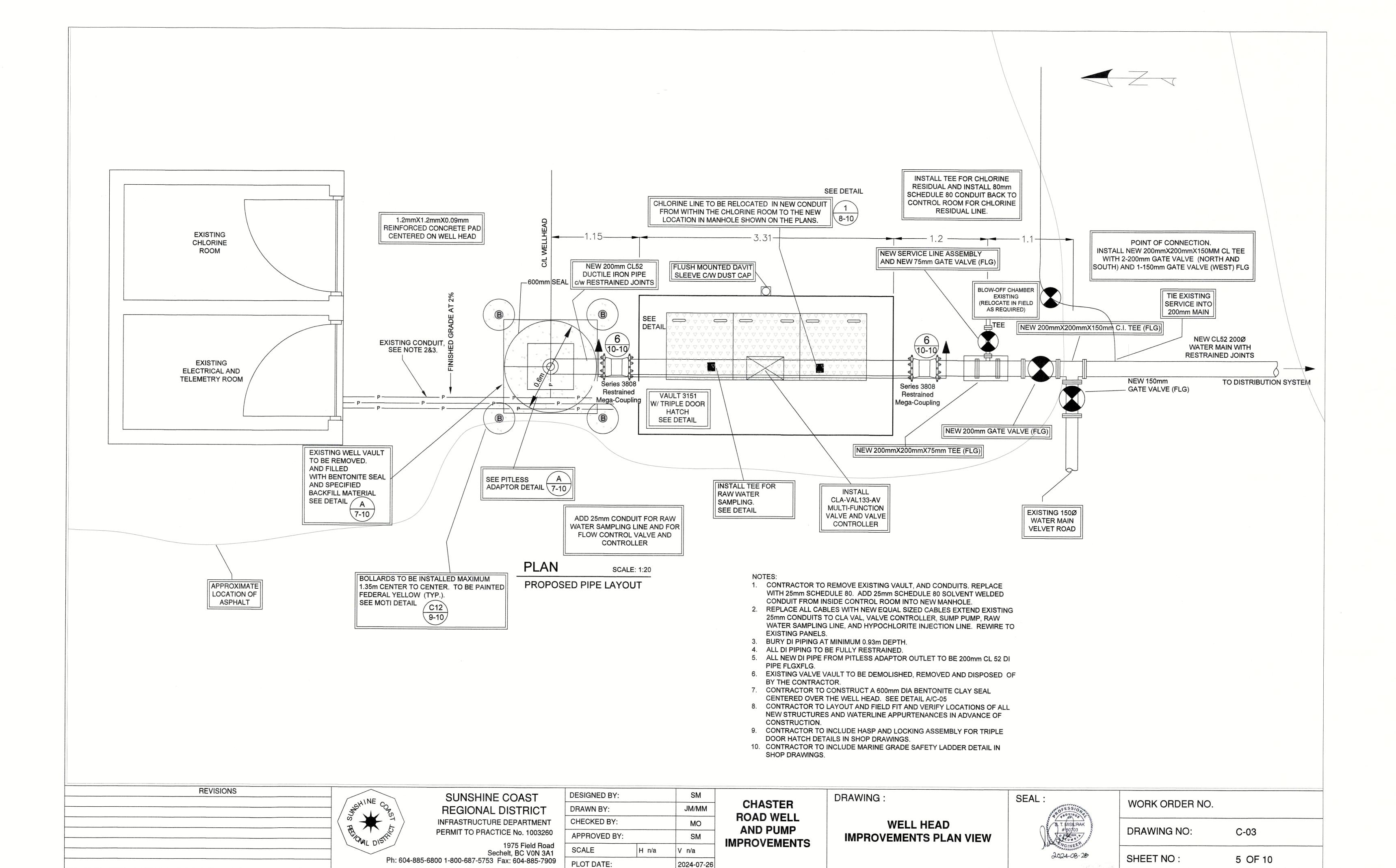
DRAWN BY: JM/MM CHECKED BY: APPROVED BY: SCALE H NTS V NTS PLOT DATE: 2024-07-26

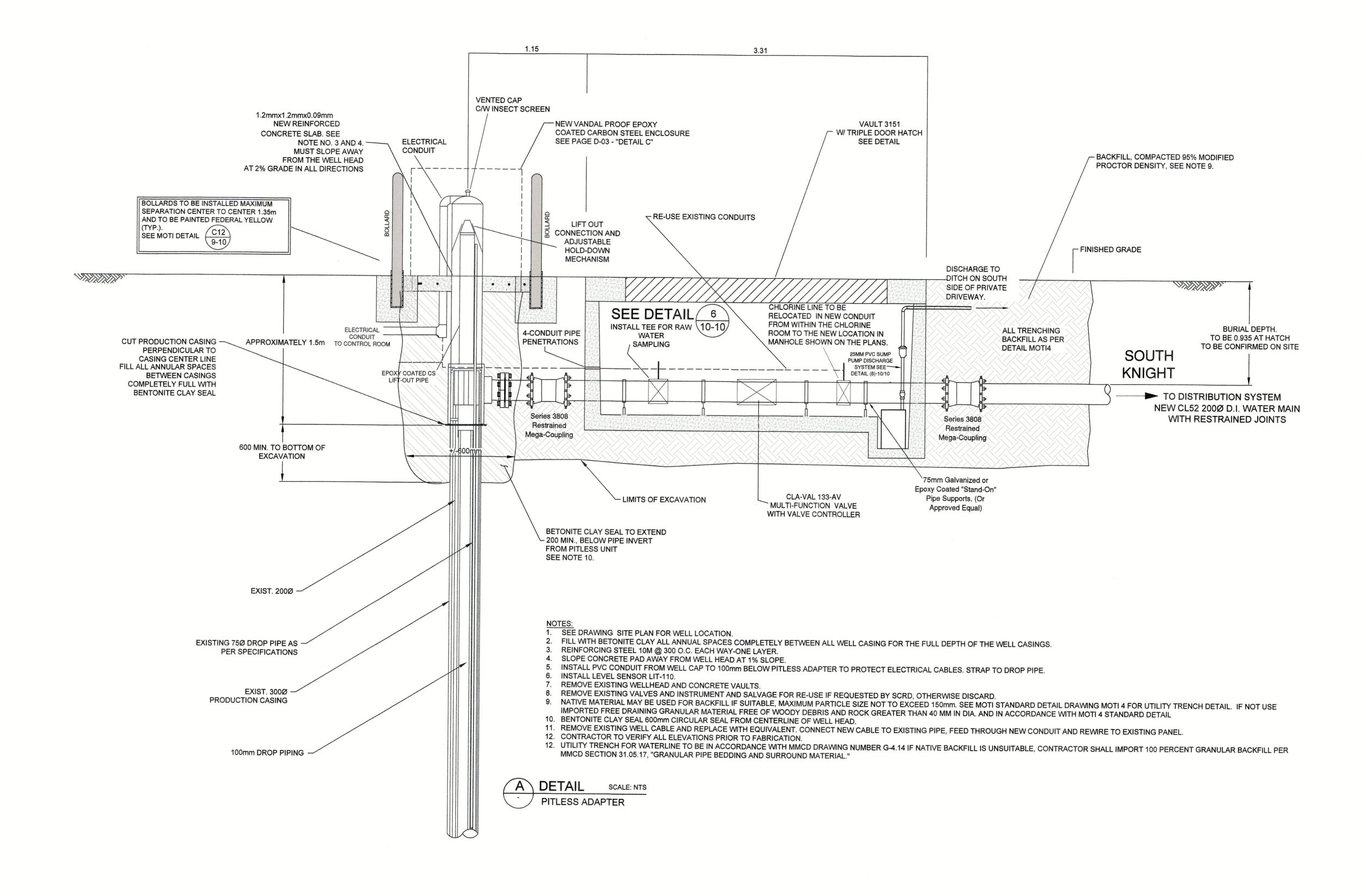
ROAD WELL AND PUMP IMPROVEMENTS

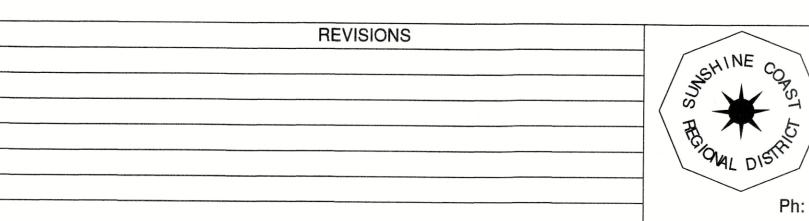
EXISTING WELL VAULT PROFILE VIEW



WORK ORDER NO. C-02 **DRAWING NO:** 4 OF 10 SHEET NO:







SUNSHINE COAST REGIONAL DISTRICT INFRASTRUCTURE DEPARTMENT PERMIT TO PRACTICE No. 1003260

PERMIT TO PRACTICE No. 1003260

1975 Field Road
Sechelt, BC V0N 3A1
Ph: 604-885-6800 1-800-687-5753 Fax: 604-885-7909

DESIGNED BY:

DRAWN BY:

CHECKED BY:

APPROVED BY:

SCALE

H n/a

PLOT DATE:

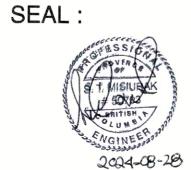
SM

2024-07-26

CHASTER
ROAD WELL
AND PUMP
IMPROVEMENTS

DRAWING:

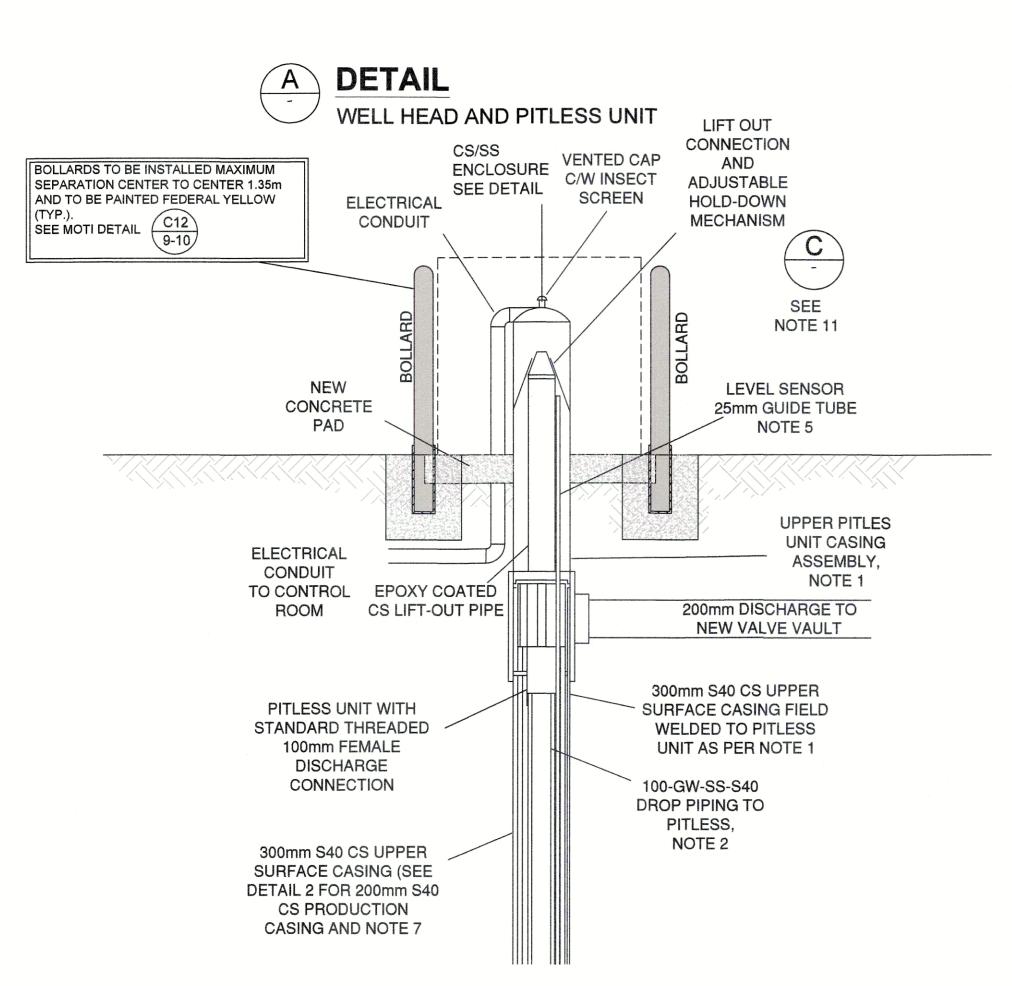
WELL HEAD IMPROVEMENT PROFILE VIEW



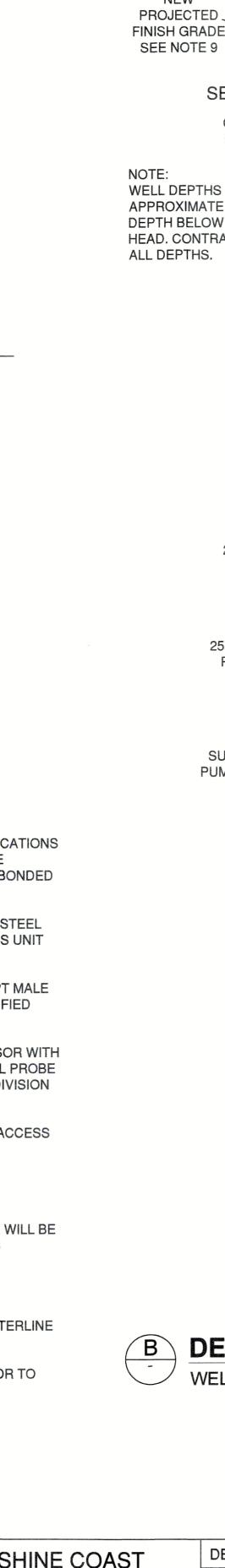
WORK ORDER NO.

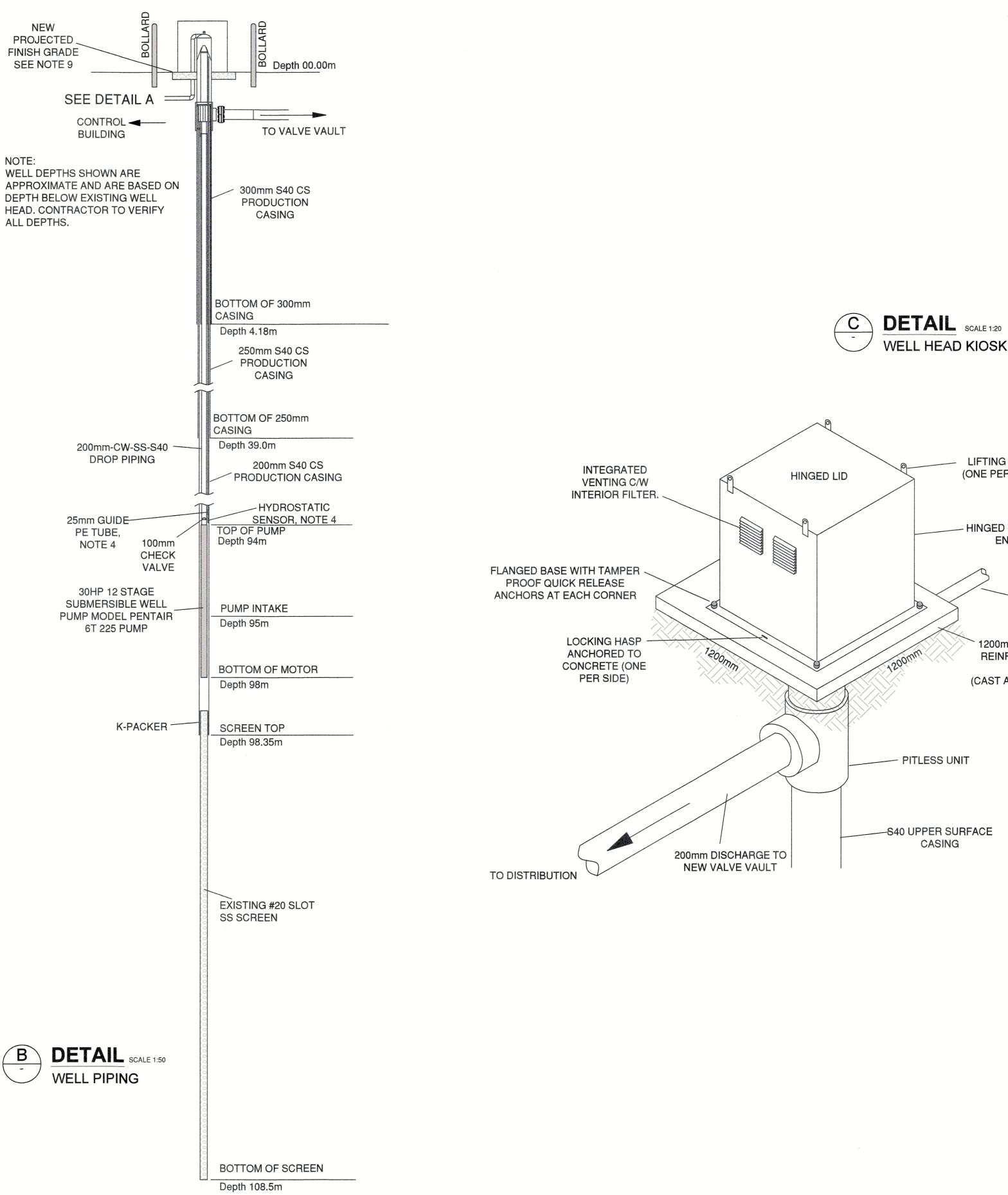
DRAWING NO: C-04

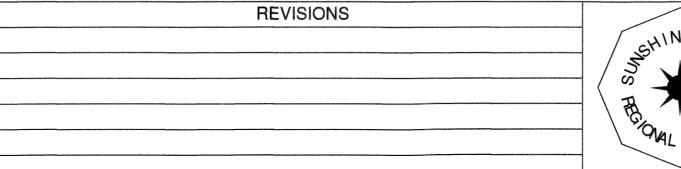
SHEET NO: 6 OF 10



- 1. PROVIDE BAKER MUNICIPAL/MONITOR INDUSTRIAL STYLE PITLESS UNIT SUITABLE FOR DRINKING WATER APPLICATIONS AND CARRYING THE ANSI/NSF61 CERTIFICATION. PROVIDE UNIT SIZED FOR 200mm WELL HEAD STICKUP ABOVE FINISHED GRADE AND A 1200mm DEPTH OF BURY TO DISCHARGE PIPE. PROVIDE UNIT WITH OPTIONAL FUSION BONDED EPOXY, SEALED CONDUIT CONNECTIONS AND LEVEL SENSOR PROBE TUBE.
- 2. PROVIDE UPPER PITLESS UNIT TO BE FILLET OR BUTT FIELD WELDED TO EXISTING UPPER 200mm S40 CARBON STEEL CASTING. CONTRACTOR SHALL SUBMIT FIELD WELD PROCEDURE SPECIFICATION WITH THE PROPOSED PITLESS UNIT SHOP DRAWINGS SUBMITTAL.
- 3. DROP PIPING SHALL CONSIST OF SCHEDULE 40S TYPE 304L STAINLESS STEEL, STANDARD 6m LENGTH WITH NPT MALE THREADED ENDS. JOINTS SHALL CONSIST OF 150# FORGED THREADED COUPLINGS SEALED WITH NSF61 CERTIFIED PTFE THREADING COMPOUND.
- 4. PROVIDE LOW PROFILE HYDROSTATIC LEVEL TRANSDUCER SET TO THE ELEVATION INDICATED. PROVIDE SENSOR WITH A 25mm PE OR S40 PVC GUIDE TUBE AS SHOWN. ADDITIONALLY PROVIDE A LOW-LOW LEVEL FIXED POINT LEVEL PROBE TIED TO DROP TUBE AND SET 3.0m ABOVE PUMP (NOT SHOWN IN DETAIL 2). SEE ELECTRICAL DRAWINGS AND DIVISION 26 AND 40 OF THE TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 5. PROVIDE PITLESS ADAPTER WITH GUIDE TUBE CHANNELS. PROVIDE 25MM POLY GUIDE TUBE TO ALLOW EASY ACCESS TO THE HYDROSTATIC LEVEL SENSOR ELEMENT. PROVIDE SPARE 25mm FOR MANUAL LEVEL SOUNDING TUBE.
- 6. INSTALLATION OF PITLESS UNIT SHALL INCLUDE THE RESTORATION/ENLARGEMENT OF THE SURFACE SEAL IN ACCORDANCE WITH THE BC GROUNDWATER PROTECTION REGULATION.
- 7. MAXIMUM PUMPING OUTPUT AND CONTROL SET-POINTS WILL BE CONFIRMED DURING COMMISSIONING. THESE WILL BE SET TO ENSURE THE PUMP OPERATES WITHIN ITS ALLOWABLE OPERATING REGION (AOR) BUT ALSO ACHIEVES SUFFICIENT FLOW TO MAINTAIN MOTOR COOLING.
- 8. CONTRACTOR TO EXPOSE EXISTING WATER MAIN TO DETERMINE ALIGNMENT AND DEPTHS.
- 9. CONTRACTOR TO RAISE WELL HEAD TOP OF CASING TO BE FLUSH WITH PROJECTED FINISH GRADE OVER CENTERLINE OF WELLHEAD, WITH VAULT REMOVED.
- 10. CONTRACTOR TO VERIFY ALL ELEVATIONS AND DIMENSIONS FOR ALL NEW PIPING AND PITLESS ADAPTOR PRIOR TO EXCAVATION AND FABRICATION.
- 11. SEE MMCD STANDARD DRAWING C12 FOR REMOVABLE BOLLARD DETAIL
- 12. SEE SUPPLEMENTARY SPECIFICATIONS FOR CONCRETE SLAB SPECIFICATIONS.
- 13. CONCRETE TO BE CLASS 3000 CP, ERCOA; CONCRETE 20Mpa.
- 14. GRADE SUBGRADE TO INSURE 2% FINISHED CROSS GRADE.









SUNSHINE COAST REGIONAL DISTRICT

INFRASTRUCTURE DEPARTMENT PERMIT TO PRACTICE No. 1003260

1975 Field Road Sechelt, BC V0N 3A1 Ph: 604-885-6800 1-800-687-5753 Fax: 604-885-7909

	DESIGNED BY:			SM
	DRAWN BY:			JM/MM
	CHECKED BY:			МО
	APPROVED BY:			SM
	SCALE	H n/a	٧	n/a
9	PLOT DATE:		20	24-07-26

CHASTER **ROAD WELL AND PUMP**

IMPROVEMENTS

DRAWING:

WELL HEAD DETAILS



WORK ORDER NO. **DRAWING NO:** D-01 SHEET NO: 7 OF 10

LIFTING EYELETS

(ONE PER CORNER)

HINGED TOP WELL HEAD

ENCLOSURE.

ELECTRICAL

CONDUIT TO

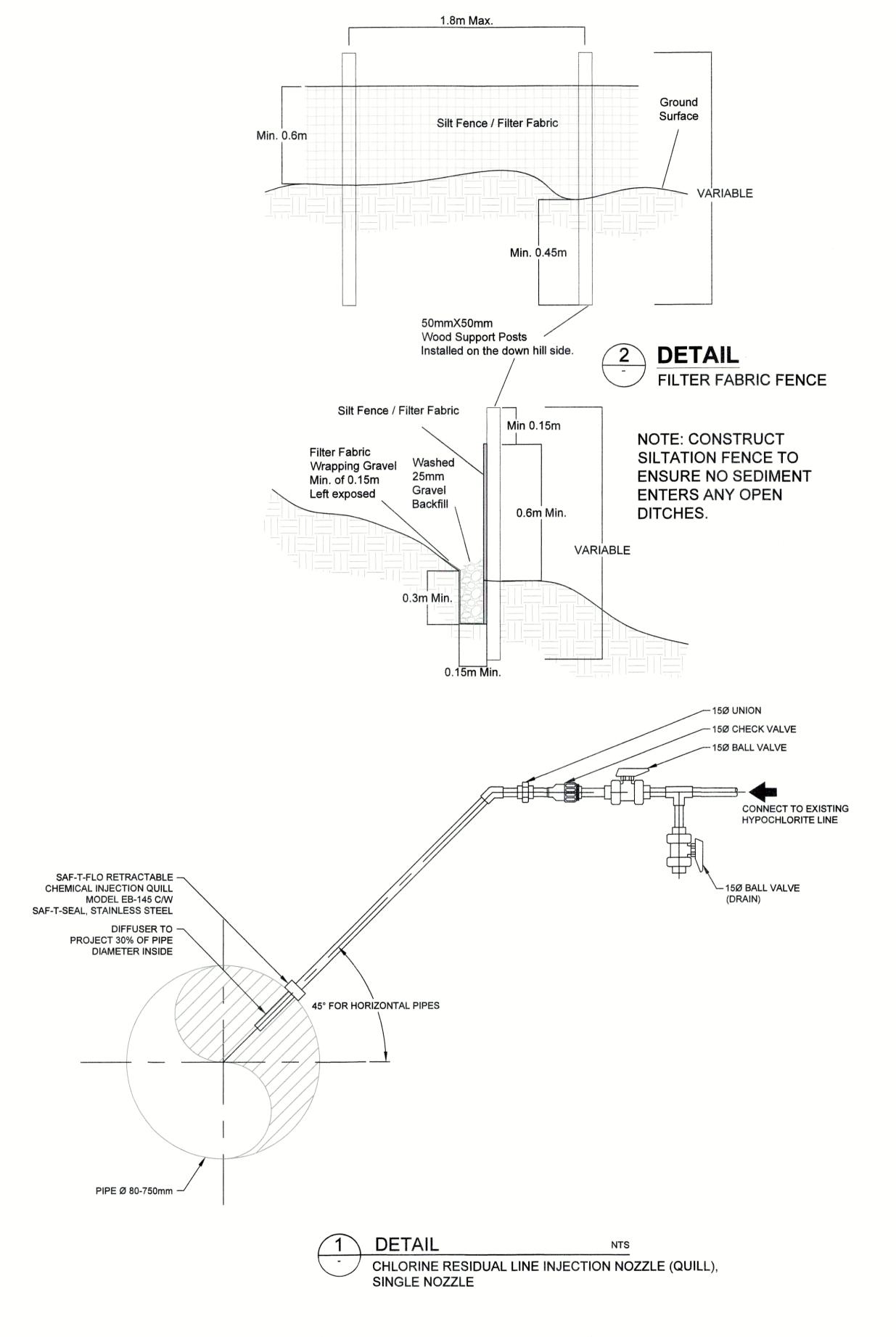
1200mmX1200mmX90mm DEEP

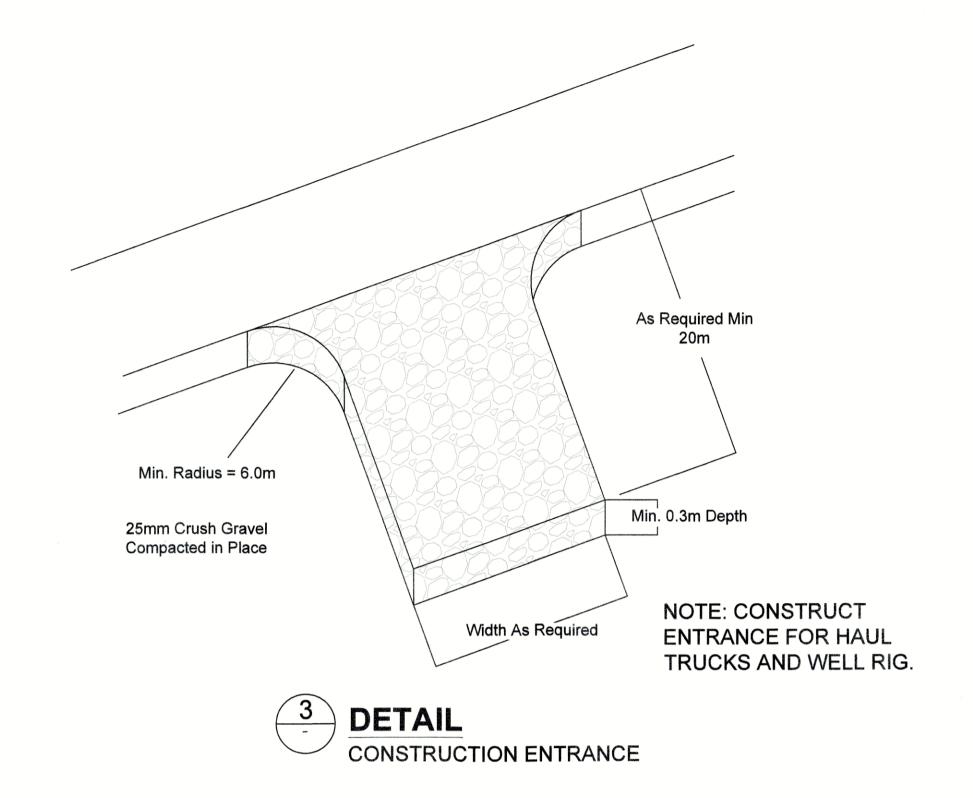
REINFORCED CAST IN PLACE

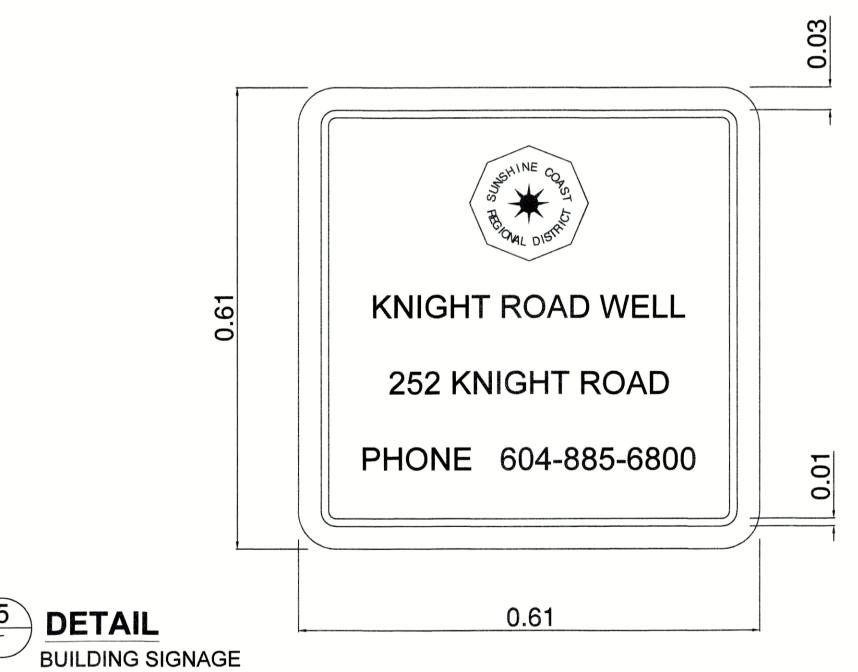
CONCRETE BASE

(CAST AROUND PITLESS CASING)

CLAY SEAL







NOTE:

- 1. SIGN TO BE TYPE III RETROREFLECTIVE HIGH INTENSITY PRISMATIC SHEETING.
- 2. CONTRACTOR TO SUBMIT CHECK PRINT PRIOR TO FABRICATION.
- 3. BLUE LETTERING ON WHITE BACKGROUND.



REVISIONS

SUNSHINE COAST REGIONAL DISTRICT INFRASTRUCTURE DEPARTMENT PERMIT TO PRACTICE No. 1003260

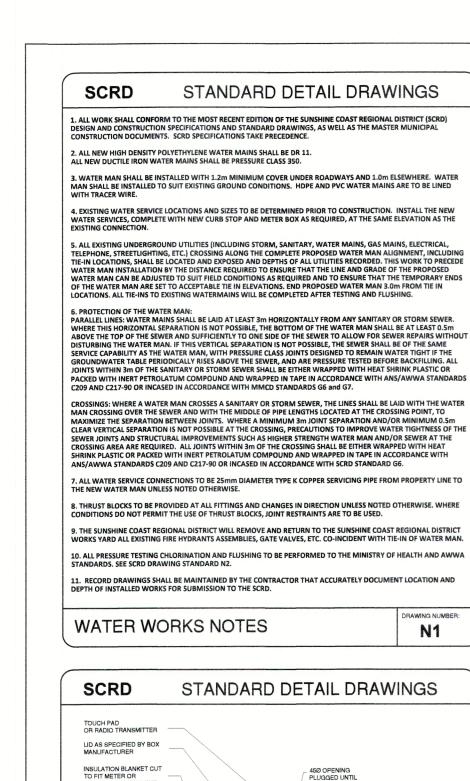
DESIGNED BY: JM/MM DRAWN BY: CHECKED BY: MO APPROVED BY: SCALE H n/a V n/a PLOT DATE: 2024-07-26

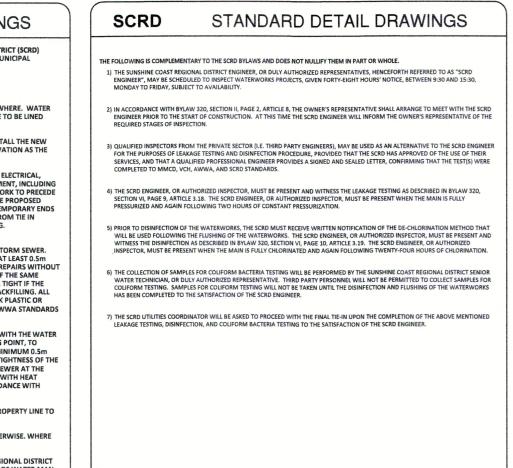
CHASTER ROAD WELL AND PUMP IMPROVEMENTS **DRAWING:**

MISCELLANEOUS DETAILS

SEAL:

WORK ORDER NO. DRAWING NO: D-02 SHEET NO: 8 OF 10

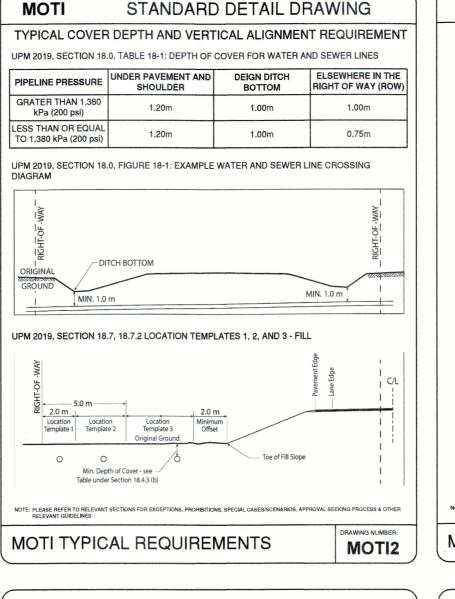


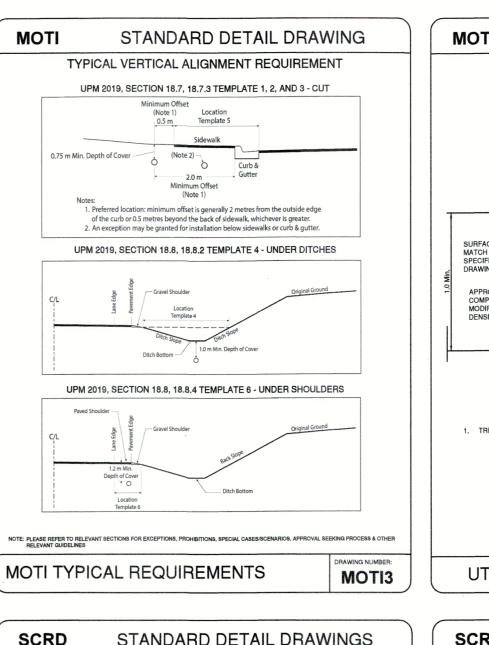


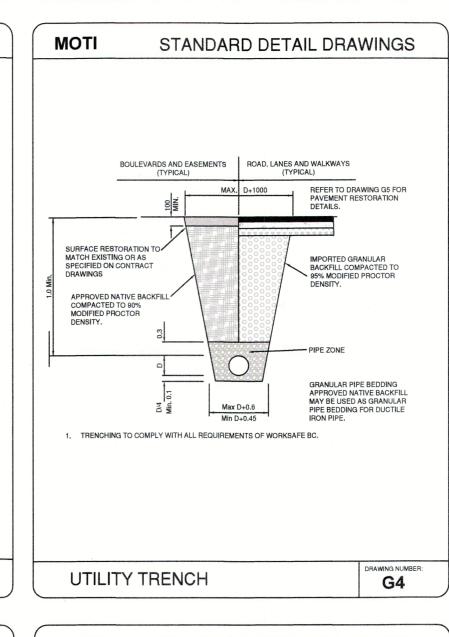
INSPECTION NOTES

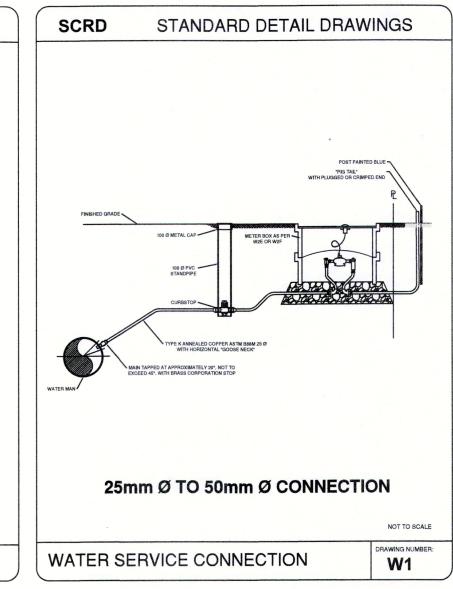
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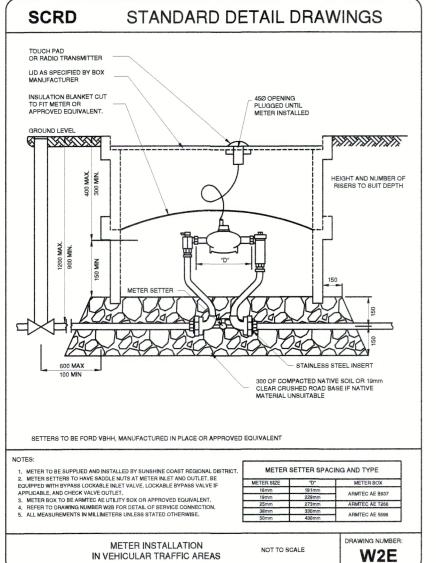
POLICIES AND STANDARDS 1. ALL THE DESIGN AND CONSTRUCTION OF 3RD PARTY UTILITIES ON THE MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (HERE IN AFTER CALLED "MOIT") OWNED ROW/PROPERTY CORRIDOR, ARE TO BE CARRIED OUT AS PER THE LATEST PUBLISHED "UTILITY POLICY MANUAL", UNLESS AND OTHER STEED BY ANOTHER STANDARD OR POLICY SET OUT BY THE MOTI. MOTI POLICIES, STANDARDS AND SPECIFICATIONS SUPERSEDES, THE SAME SET OUT BY THE SCRD OR MMCD, IN CONSTRUCTIONS ON MOTI ROW CORRIDOR /PROPERTY. 2.ENGINEER ON RECORD(HEREIN AFTER CALLED "EOR") WILL BE THE 1ST POINT OF CONTACT BY THE MINISTRY FOR AN MATTERS RELATED TO THIS SPECIFIC PROJECT. EOR WILL BE THE STEED FORM TO OMNACH WITH MINISTRANGE OF THE PROVINCE OF THE SPECIFIC STEED REVIEWS (HEREIN AFTER CALLED "FR'S") AND COMMUNICATION AND GETTING THE APPROVAL FOR ANY OF THE DESIGN CHANGES PRE AND POST APPROVAL OF THE DESIGN, BY THE MOTI DISTRICT OFFICE. APPOINTMENT OF "EOR" MUST BE DONE AS SET OUT ON MOTI'S UTILITY POLICY MANUAL 2019 V1.0 (HEREIN AFTER CALLED "UPM 2019") WORK AS SET OUT IN UPM 2019 & TECHNICAL CIRCULAR T-06/09 - ENGINEER OF RECORD & REVIEW GUIDELINES (HEREIN 4. EOR TO SEEK SPECIAL WRITTEN APPROVAL FOR ANY CONDITIONS OR SITUATIONS THAT ARE DEEMED "EXCEPTIONS" IN UPM 2019 AND MOTI TO CONSIDER AND ANALYZE EACH PROJECT AS SEPARATE SCENARIO AND CASE BY CASE. . TRENCHING ON MOTI ROW MUST BE CARRIED OUT AS PER THE POLICIES AND STANDARDS SET OUT ON UPM 2019 ICATION AND POLICIES , METHODS AND PROCEDURES STIPULATED IN UPM 2019 SUPERSEDES 6. SCRD TO FOLLOW ALL THE GUIDELINES STIPULATED ON SECTION 18 OF UPM 2019 WHEN, NOT LIMITED TO, INVESTIGATING, DESIGNING, CONSTRUCTING, INSPECTING, TESTING AND CONCLUDING THE CONTRACT. 8. VALVES, VALVE COVERS, MANHOLES, MANHOLE COVERS OR ANY OTHER SURFACE INFRASTRUCTURE THAT MAY BE LOCATED ON THE PAVED SURFACES ARE TO BE DESIGN AND CONSTRUCTED AS PER MOTI, 2016, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. REHABILITATION OF PAVED SURFACE ARE TO BE DONE AS PER THE SAME WITH FLUSHED FINISHED LEVEL OF SURFACE INFRASTRUCTURE MATCHING THE FINAL LIFT OF PAVEMENT. 9. TRENCH EXCAVATION AND BACKFILLING TO BE CARRIED OUT AS PER MOTI, 2016, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, SECTION 201 & 202 RESPECTIVELY, WITH COMPLIANCE TO UPM 2019, SECTION 25.3 10. WHERE PIPELINES ARE ABANDONED IN PLACE, THEY SHALL BE ABANDONED AS PER MOTI, UPM 2019, SECTION 18.3.6 AND SECTION 17.3.6, COMPLYING TO CSA 2662 STANDARDS AND BE: a. EMPTIED OF SERVICE FLUIDS; b. PURGED OR APPROPRIATELY CLEANED OR BOTH IN A MANNER THAT LEAVES NO MOBILE MATERIALS REMAINING IN THE PIPELINE; c. PHYSICALLY SEPARATED FROM ANY IN-SERVICE PIPING OR FACILITIES; d. CAPPED, PLUGGED, OR OTHERWISE EFFECTIVELY SEALED; INFIL 1E MUTH CONCRETE: INFILLED WITH CONCRETE; CUT OFF AT PIPELINE DEPTH; AND

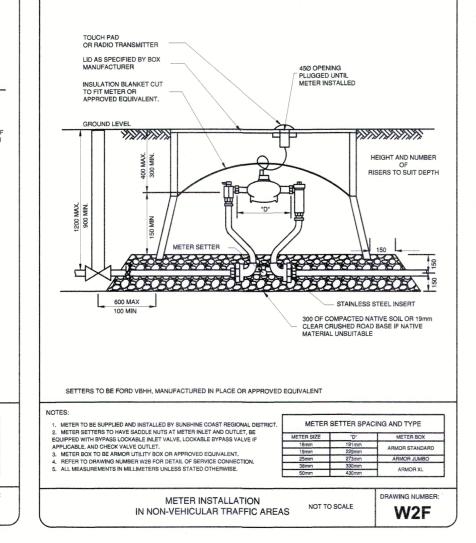




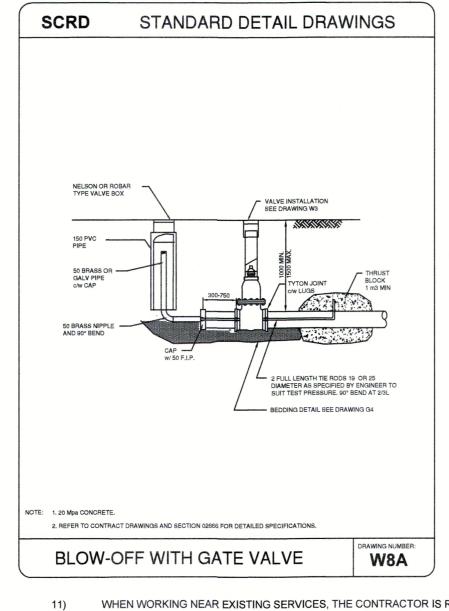






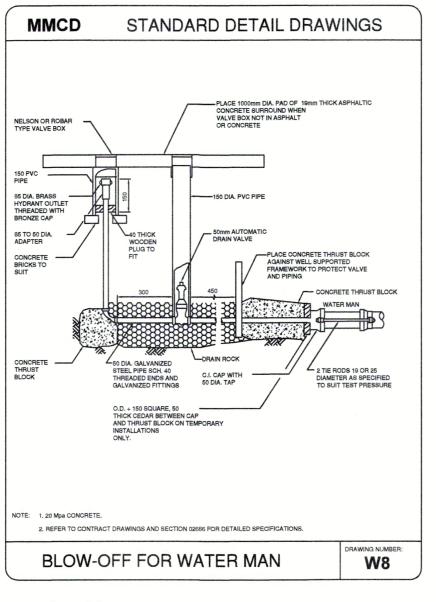


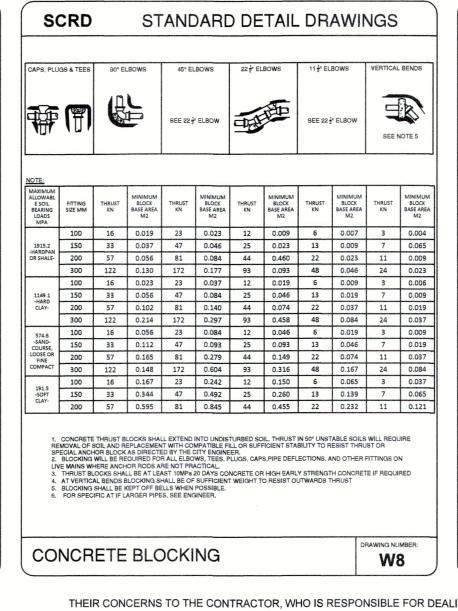
STANDARD DETAIL DRAWINGS

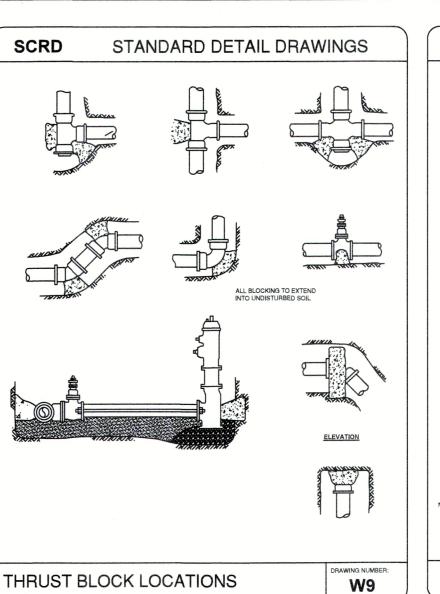


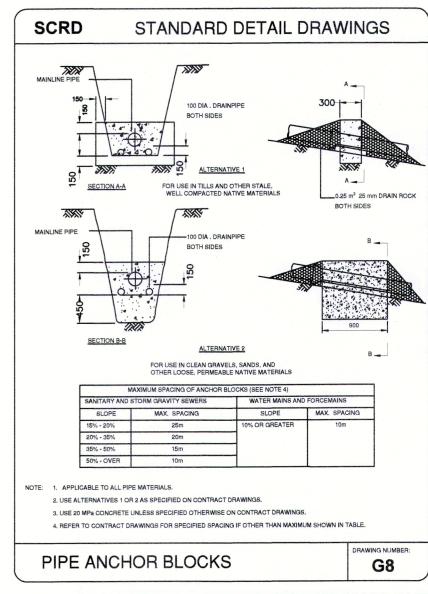
UPM 2019 V1.0

N2









GENERAL CONSTRUCTION NOTES:

IN VEHICULAR TRAFFIC AREAS

ALL CONSTRUCTION MATERIALS AND WORK MUST ADHERE TO THE LATEST STANDARDS AND SPECIFICATIONS SET BY THE MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (M.O.T.I). SUNSHINE COAST REGIONAL DISTRICT (SCRD). MASTER MUNICIPAL CONSTRUCTION DOCUMENT(MMCD). BC BUILDING CODE, AND BC PLUMBING CODE, THE ENGINEER MUST INSPECT EACH STAGE OF THE CONSTRUCTION PROCESS AND ALL M.O.T.I AND SCRD REQUIREMENTS TAKE PRECEDENCE.

CONTRACTOR TO CONTACT AND INFORM ALL HOMEOWNERS IMPACTED BY THE CONSTRUCTION AT LEAST FOUR WEEKS IN ADVANCE, REITERATE THE NOTIFICATION TO THOSE HOMEOWNERS AFFECTED BY THE WORK 48 HOURS BEFORE THE COMMENCEMENT OF THE WORK.

PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY M.O.T.I., THE ENGINEER, AND SCRD AT LEAST 48 HOURS IN ADVANCE TO SCHEDULE AN INSPECTION.

4) THE ENGINEER MUST BE INFORMED BY THE CONTRACTOR DURING THE FOLLOWING PHASES OF THE

DELIVERY OF MATERIALS TO THE SITE

WILL BE ASSUMED BY THE CONTRACTOR.

INITIAL INSTALLATION OF WATER MAIN PRIOR TO BACKFILLING

GRADING OF ROAD SURFACES PRIOR TO PAVING PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR MUST ENSURE ALL NECESSARY.

APPROVALS AND PERMITS FROM THE APPROPRIATE AUTHORITIES AND AGENCIES ARE IN PLACE FOR THE PROPOSED WORKS.

WORKSAFE B.C. IS TO BE NOTIFIED PRIOR TO THE START OF CONSTRUCTION.

PRIOR TO STARTING CONSTRUCTION, A PRE-CONSTRUCTION MEETING WITH THE ENGINEER, CONTRACTOR, M.O.T.I. AND SCRD IS NECESSARY.

BEFORE ENGAGING IN ANY WORK IN AND/OR AROUND TREES, THE CONTRACTOR IS TO CONTACT THE PARKS DEPARTMENT OF THE MUNICIPALITY, IT IS CRITICAL TO PRESERVE THE DESIGNATED TREES, IF WORKING NEAR A DESIGNATED TREE OR ENCOUNTERING ROOTS, THE CONTRACTOR MUST SEEK ADVICE FROM A CERTIFIED ARBORIST TO PREVENT ANY HARM TO THE TREES.

10) THE DESIGN DRAWINGS SHOW AN APPROXIMATE LOCATION OF EXISTING UTILITIES, BUT THIS INFORMATION MAY NOT BE FULLY ACCURATE OR COMPLETE, NOT ALL UTILITIES MAY BE SHOWN AS THEY ARE DERIVED FROM RECORD DRAWING INFORMATION. BEFORE CONSTRUCTION BEGINS, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND EXPOSING ALL EXISTING UTILITIES AT ALL TIE-IN POINTS AND ANY SPOTS WHERE CONFLICTS MAY ARISE DURING THE PROPOSED WORKS, AND TO CONFIRM DESIGN ELEVATIONS. IF A CONFLICT ARISES, THE CONTRACTOR MUST IMMEDIATELY CONTACT THE ENGINEER FOR INSTRUCTIONS. ANY COSTS OR EXPENSES RESULTING FROM DAMAGES

REVISIONS

11) WHEN WORKING NEAR EXISTING SERVICES, THE CONTRACTOR IS REQUIRED TO EXERCISE UTMOST CARE. IN CASE OF ANY DISTURBANCES TO THESE SERVICES, THEY MUST BE REPLACED TO THE SATISFACTION OF THE M.O.T.I., SCRD, THE ENGINEER, OR THE APPROPRIATE UTILITY CORPORATION.

MOTI1

11) DURING THE CONSTRUCTION PROCESS, IT IS IMPORTANT TO ENSURE THAT ALL EXISTING SERVICES REMAIN OPERATIONAL.

12) ANY DAMAGED OR REMOVED INFRASTRUCTURE. OR PRIVATE PROPERTY DURING CONSTRUCTION MUST BE REPAIRED OR REPLACED TO BETTER THAN OR EQUAL TO PRE-CONSTRUCTION CONDITION. PRIVATE PROPERTY AND BOULEVARDS MUST BE REINSTATED TO PRE-CONSTRUCTION CONDITIONS AS WELL.

13) ALL MATERIAL TESTING MUST MEET M.O.T.I. SPECIFICATIONS, CONDUCTED BY A QUALIFIED MATERIAL TESTING FIRM AND PAID FOR BY THE CONTRACTOR. THE CONTRACTOR MUST PROVIDE COPIES OF ALL TEST RESULTS TO THE ENGINEER AND NOTIFY THEM 48 HOURS PRIOR TO CONSTRUCTION, ENSURING THEY HAVE THE LATEST ISSUED CONSTRUCTION DRAWINGS.

14) 48 HOURS BEFORE ANY CONSTRUCTION TAKES PLACE WITHIN ROAD ALLOWANCES AND RIGHT OF WAYS, THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE APPROPRIATE APPROVING AUTHORITY ENGINEERING DEPARTMENT.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES INVOLVED IN THE CONSTRUCTION, AND FOR COORDINATING ALL PARTS OF THE WORK UNDER THE CONTRACT, WHILE THE CONTRACTOR HAS COMPLETE CONTROL OVER THE WORK. THE OWNER RETAINS THE RIGHT TO GIVE DIRECTIONS REGARDING THE WORK AS STATED IN

16) THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING ALL WORK TO THE SATISFACTION OF THE INSPECTORS FROM THE ENGINEER AND REGULATORY AUTHORITY, ADDITIONALLY, THE CONTRACTOR MUST ENSURE THAT TELUS WORKS ARE INSPECTED AND APPROVED BY A TELUS INSPECTOR. HYDRO WORKS ARE INSPECTED AND APPROVED BY A BC HYDRO INSPECTOR. FORTIS WORKS ARE INSPECTED AND APPROVED BY A FORTIS INSPECTOR, AND SHAW WORKS ARE INSPECTED AND APPROVED BY A SHAW INSPECTOR. IF APPLICABLE. UPON COMPLETION OF THE WORK, THE CONTRACTOR MUST PROVIDE THE ENGINEER WITH CERTIFICATION OF ACCEPTANCE OR APPROVAL FROM THE AFOREMENTIONED INSPECTORS. IF ELECTRICAL WORK IS APPLICABLE, THE CONTRACTOR MUST OBTAIN A PERMIT FROM THE BC ELECTRICAL SAFETY BRANCH AND PROVIDE A COPY OF THE PERMIT AND SIGN-OFF TO THE ENGINEER. THE CONTRACTOR MUST GIVE TIMELY NOTICE TO THE RELEVANT INSPECTOR(S) TO ALLOW FOR INSPECTION OF THE WORK AND KEEP THE ENGINEER INFORMED THROUGHOUT THE PROCESS.

17) SUB-CONTRACTORS ARE NOT ALLOWED TO COMMUNICATE DIRECTLY WITH THE ENGINEERS OR OWNER REGARDING ANY CONTRACTUAL OR TECHNICAL ISSUE, INSTEAD, THEY SHOULD DIRECT

THEIR CONCERNS TO THE CONTRACTOR, WHO IS RESPONSIBLE FOR DEALING WITH THEM ON THEIR BEHALF WITH THE ENGINEER. ANY MATTER RELATED TO THE CONTRACT, INCLUDING PROGRESS PAYMENT, CHANGE ORDER, PAYMENT OF HOLDBACK, FINAL PAYMENT, INSURANCE, AND WARRANTY SHOULD BE DIRECTED TO THE ENGINEER FOR REVIEW AND APPROVAL. THE CONTRACTOR SHOULD ONLY TAKE DIRECTION FROM THE ENGINEER REGARDING CHANGES TO THE DESIGN OR ANY EXTRA WORK REQUIRED.

18) UNLESS OTHERWISE STATED IN THE CONTRACT DOCUMENTS OR SPECIFIED BY THE ENGINEER, THE CONTRACTOR IS CONSIDERED THE PRIME CONTRACTOR FOR ALL APPLICABLE LAWS RELATING TO OCCUPATIONAL HEALTH AND SAFETY. THIS INCLUDES THE DISCHARGE OF ALL DUTIES OF THE PRIME CONTRACTOR UNDER THE WORKERS COMPENSATION ACT (BRITISH COLUMBIA). REGARDLESS OF WHETHER THE ENGINEER, OWNER, OR ANY OTHER CONTRACTOR PROVIDES SOME OF THE SERVICES NORMALLY PROVIDED BY THE PRIME CONTRACTOR. IN THIS SECTION, "PRIME CONTRACTOR" REFERS TO THE CONTRACTOR DEFINED UNDER THE WORKERS COMPENSATION ACT (BRITISH

19) THE CONTRACTORS SURVEYOR IS RESPONSIBLE FOR RECORDING AND CERTIFYING ALL INFORMATION REQUIRED FOR THE ENGINEER TO PROVIDE A COMPLETE SET OF AS-CONSTRUCTED DRAWINGS, INCLUDING CENTERLINE, FOG LINE, EDGE OF ASPHALT, SIGNS, AND ALL APPURTENANCES.

20) IF NO UPGRADES ARE PROPOSED UNDER THIS CONTRACT. THE CURRENT ROADWAY SECTIONS(S) MUST STAY CLEAN AND OPEN THROUGHOUT THE CONSTRUCTION PERIOD, AND MUST REMAIN IN THE SAME STATE AS BEFORE CONSTRUCTION BEGAN.

21) THE CONTRACTOR MUST MANAGE TRAFFIC, PROVIDE SIGNS, BARRIERS, DELINEATORS, AND OTHER NECESSARY WARNING DEVICES TO PRESERVE THE FLOW OF VEHICLES AND PEDESTRIANS, IN ADDITION TO ENSURING EMERGENCY VEHICLE ACCESSIBILITY. A TRAFFIC MANAGEMENT PLAN WILL BE MADE AVAILABLE AS NECESSARY.

22) ANY CONSTRUCTION WORK IN OR NEAR A WATERCOURSE NECESSITATES APPROVAL AHEAD OF TIME FROM THE PROVINCIAL MINISTRY OF ENVIRONMENT AND/OR THE FEDERAL DEPARTMENT OF FISHERIES AND OCEANS CANADA, AS APPLICABLE.

23) PRIOR TO BEGINNING THE CONSTRUCTION, WRITTEN APPROVAL FROM THE ENGINEER MUST BE OBTAINED FOR ANY MATERIAL SUBSTITUTIONS AND/OR CHANGES IN DESIGN. NOTIFICATIONS OF ANY SUBSTITUTIONS AND/OR CHANGES IN DESIGN SHOULD BE GIVEN TO THE APPROPRIATE APPROVING AUTHORITY. IN CASE OF A CHANGE IN DESIGN, A DRAWING REVISION WILL BE

24) IT IS MANDATORY TO SAFEGUARD ALL SURVEY MONUMENTS, BENCHMARKS AND LEGAL PINS AND THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THEIR NEGLIGENCE AT

STANDARD DETAIL DRAWINGS MMCD SCH 40 PIPE 6 DIA. GALV'D CHAIN LENGTH 450 0 5 - 1 LINK OF 6 DIA. GALV'D CHAIN 125 DIA. I.D. SCH. 40 PIPE/SLEEVE PIPE 125 DIA. x 6 WITH 25 DIA. HOLE AT CENTER FLATBAR TO BE WELDED INSIDE ON EDGE (6×100) SLEEVE 20 MPa CONCRETE MIN. 300 SURROUNI SLEEVE, SEE ABOVE ASSEMBLY NOT TO SCALE DRAWING NUMBER REMOVABLE BARRIER POST C12

SUNSHINE COAST REGIONAL DISTRICT INFRASTRUCTURE DEPARTMENT

PERMIT TO PRACTICE No. 1003260 1975 Field Road Sechelt, BC V0N 3A1 Ph: 604-885-6800 1-800-687-5753 Fax: 604-885-7909

DESIGNED BY:		SM
DRAWN BY:		JM/MM
CHECKED BY:		МО
APPROVED BY:		SM
SCALE	H n/a	V n/a
PLOT DATE:		2024-07-26

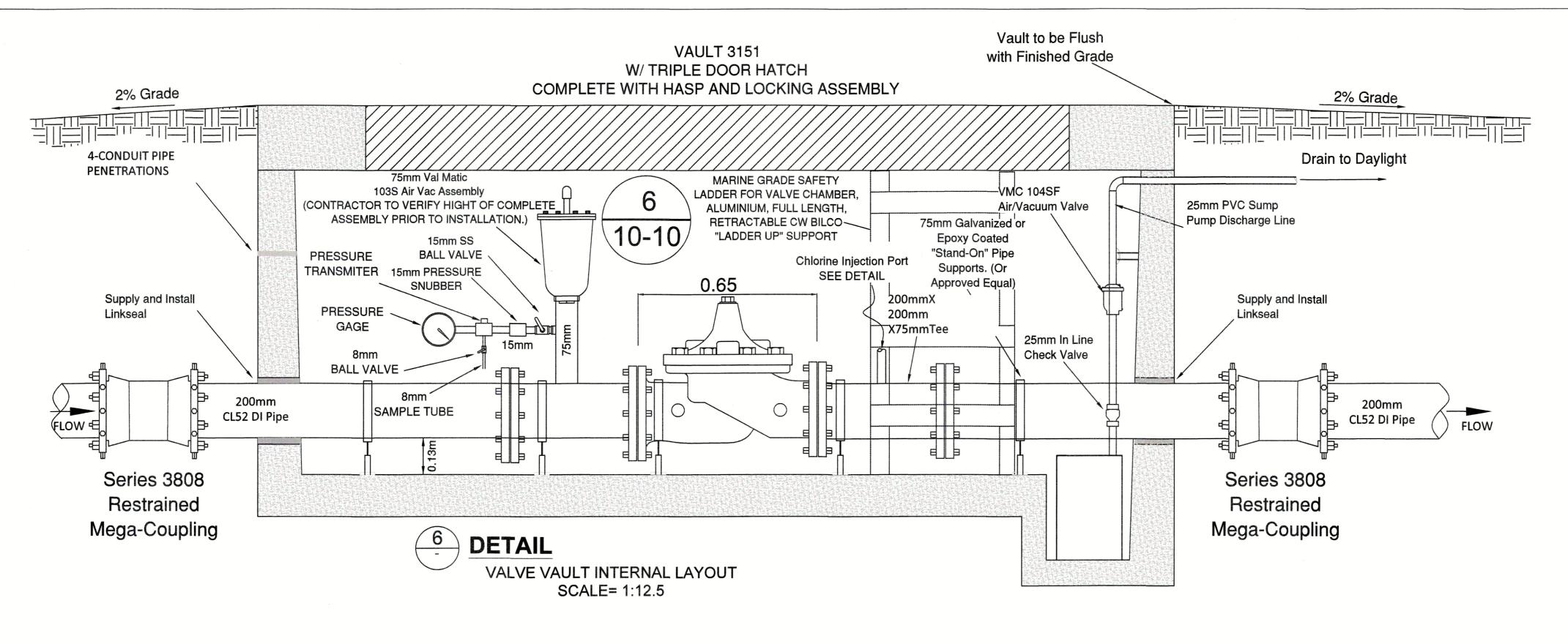
CHASTER ROAD WELL AND PUMP IMPROVEMENTS

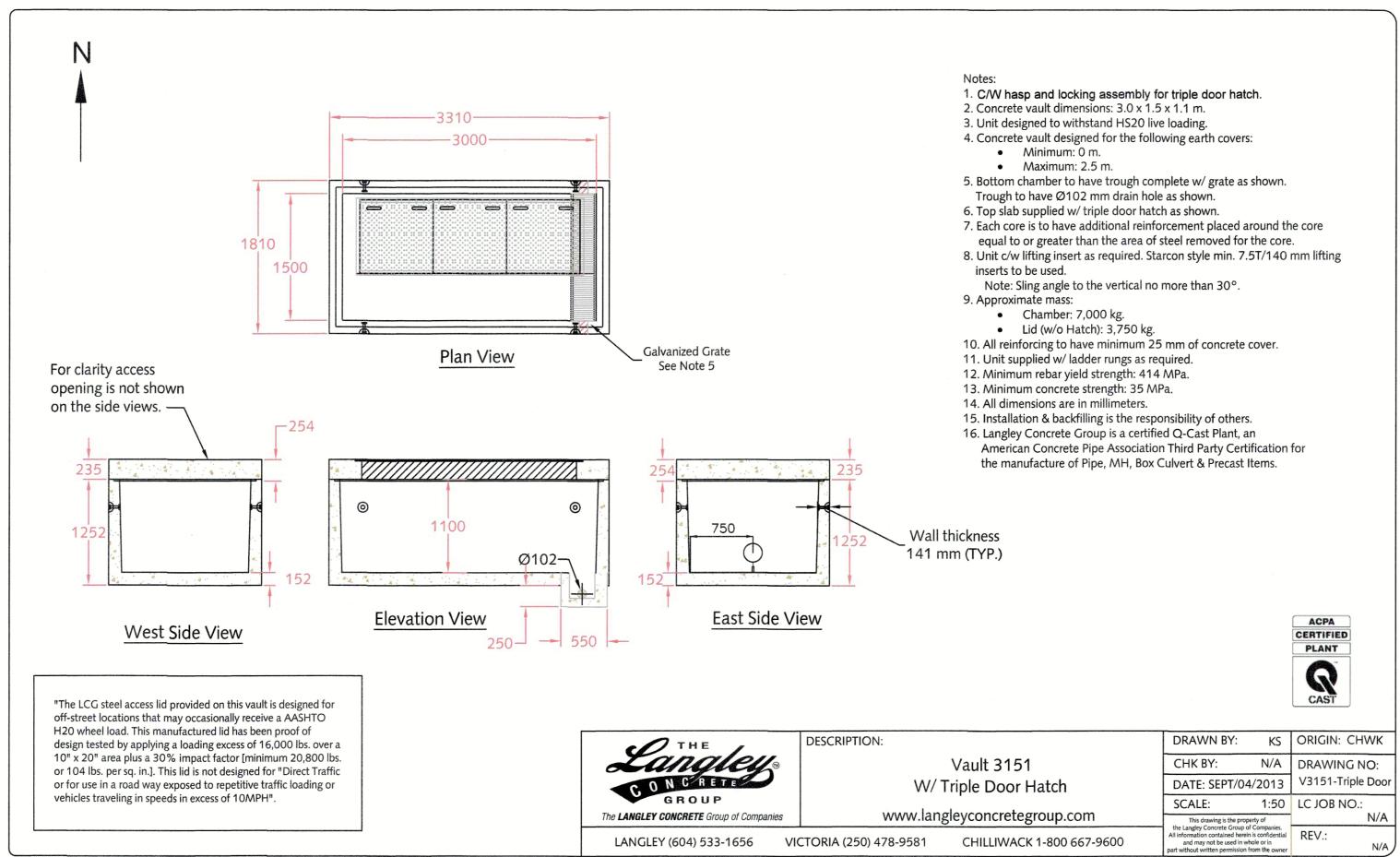
DRAWING:

STANDARD DETAILS **AND GENERAL NOTES**



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WORK ORDER NO.		
DRAWING NO:	D-03	
SHEET NO:	9 OF 10	





DETAIL VALVE VAULT SCALE= NTS

REVISIONS

SUNSHINE COAST REGIONAL DISTRICT INFRASTRUCTURE DEPARTMENT PERMIT TO PRACTICE No. 1003260

DESIGNED BY: SM JM/MM DRAWN BY: CHECKED BY: MO APPROVED BY: SM 1975 Field Road Sechelt, BC V0N 3A1 SCALE H n/a V n/a Ph: 604-885-6800 1-800-687-5753 Fax: 604-885-7909 PLOT DATE: 2024-07-26

CHASTER ROAD WELL AND PUMP IMPROVEMENTS

LANGLEY (604) 533-1656 VICTORIA (250) 478-9581 CHILLIWACK 1-800 667-9600

DRAWING:

VALVE VAULT DETAILS

SEAL:

WORK ORDER NO.

DRAWING NO: D-04

SHEET NO: 10 OF 10