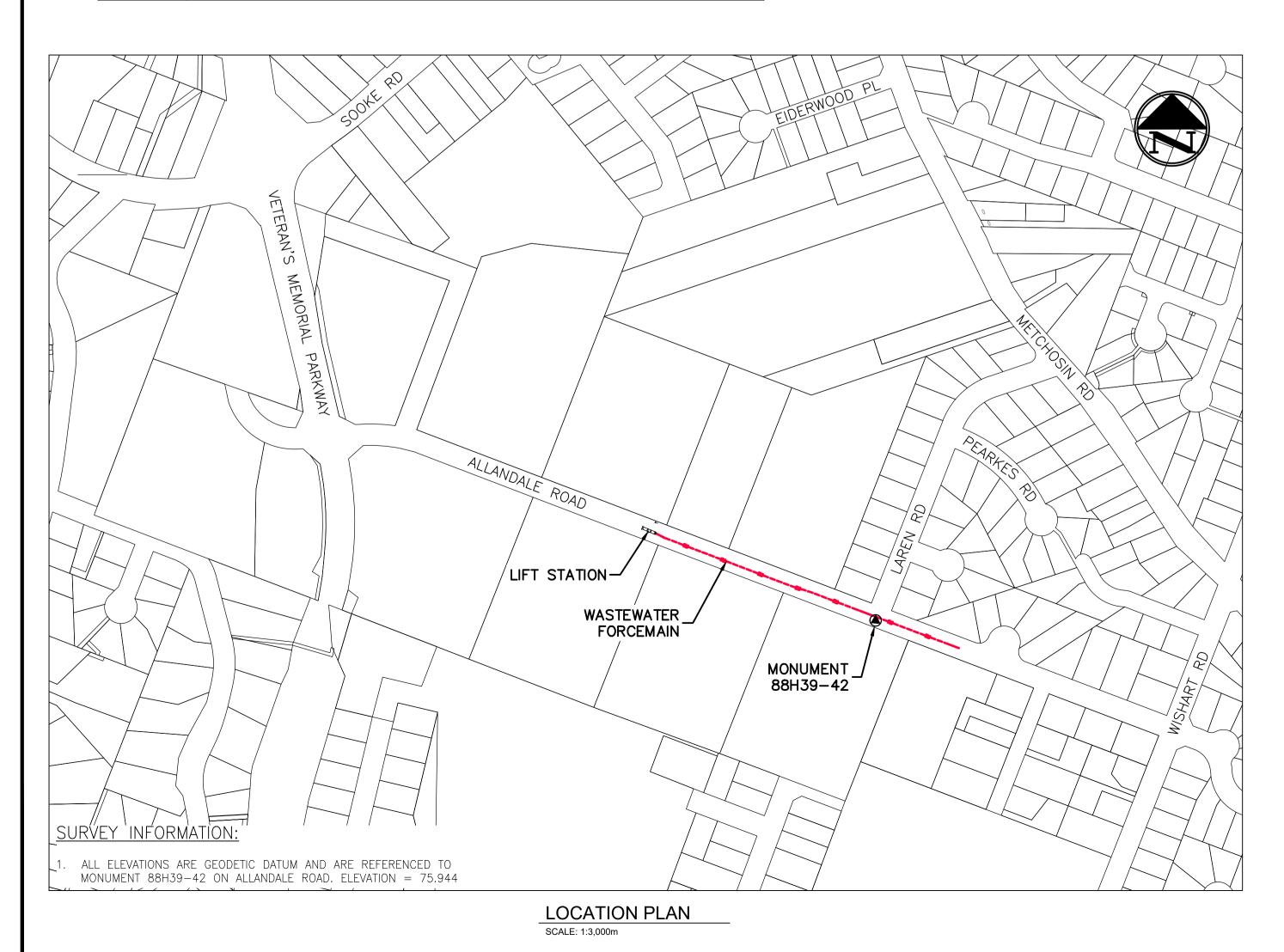
CITY OF COLWOOD

PROJECT NAME: ALLANDALE PIT PUMPING SYSTEM

INDICATIVE DESIGN

Sheet	List Table
Allandale	Pit Pumping System
Sheet Number	Sheet Title
0	Cover Page
1	Overall Site Plan — Ortho
2	Overall Site Plan
3	General Arrangement Plan — Ortho
4	General Arrangement Plan
5	Details — Manhole Views
6	Proposed Tube Feeding — Plan and Profile — Guidance Only
7	Steel Storage Container — General Arrangement
8	Proposed Site — Lift Station
9	Site — Piping and Instrumentation Diagram



CONSTRUCTION NOTES:

1.0 GENERAL CONSTRUCTION NOTES:

- 1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO CONTRACT DOCUMENT, MASTER MUNICIPAL CONSTRUCTION DOCUMENTS (MMCD). MMCD SUPPLEMENTS.
- 2. REPAIR AND/OR REPLACE ALL INFRASTRUCTURE/PRIVATE PROPERTY DAMAGED OR REMOVED DURING CONSTRUCTION, TO BETTER THAN, OR EQUAL TO PRE—CONSTRUCTION CONDITION AND TO THE SATISFACTION OF THE CITY ENGINEER.
- 3. RESTRICT ALL WORK TO CITY OF COLWOOD RIGHT-OF-WAY. NO ENCROACHMENT ONTO PRIVATE PROPERTY IS PERMITTED.
- 4. CONTACT BC1CALL AT 1-800-474-6886 FOR EXTERNAL UTILITY LOCATIONS AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION. CONTACT ALL OTHER RELEVANT SERVICE PROVIDERS FOR UTILITY LOCATIONS AT LEAST 72 HOURS PRIOR TO START OF CONSTRUCTION. NOT ALL UTILITIES MAY BE SHOWN, IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION AT NO EXTRA COST TO THE CONTRACT. EXISTING GAS AND WATER MAINS ARE UNDER PRESSURE AND THE CONTRACTOR IS TO TAKE ALL PRECAUTIONS TO PROTECT AND MAINTAIN ALL EXISTING ACTIVE UTILITIES DURING CONSTRUCTION.
- 5. BC HYDRO, TELUS, SHAW CABLE AND FORTISBC FACILITIES ARE SHOWN SCHEMATICALLY ON THESE DRAWING. ACTUAL LOCATION MAY DIFFER. REFER TO UTILITY COMPANY DRAWINGS (BC1 CALL) FOR CONSTRUCTION DETAILS.
- 6. EXCAVATE AND CONFIRM LOCATION AND ELEVATION OF EXISTING SEWER, DRAIN AND WATER MAINS AND UTILITIES AT ALL CROSSINGS AND CONNECTION POINTS A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. WHERE INFORMATION DOES NOT MEET REQUIREMENTS OF CONTRACT, CONTACT CONTRACT ADMINISTRATOR. ENSURE THAT NEW UTILITIES CAN BE TIED INTO EXISTING UTILITIES FOR STRAIGHT TIE—IN AT EXISTING ELEVATION.
- 7. ENSURE ALL EXISTING SERVICES STAY IN OPERATIONAL CONDITION DURING CONSTRUCTION. PROVIDE BYPASS PUMPING AS REQUIRED TO CONSTRUCT WORKS.
- 8. BACKFILL SEWER, DRAIN AND WATER MAINS AND UTILITY TRENCH AS PER MMCD STD. DWG. G4 IN ACCORDANCE WITH MMCD SECTION 31 23 01. BED ALL PIPE USING CLASS 'B' BEDDING. IN ROAD, PIPES TO HAVE CLASS B BEDDING WITH FULL DEPTH GRAVEL BACKFILL.
- 9. WHERE A TRENCH IS UNDER OR WITHIN 1.00m OF THE EDGE OF A ROAD OR DRIVEWAY, USE IMPORTED GRANULAR BACKFILL FROM THE TOP OF THE PIPE BEDDING TO THE TOP OF THE ROAD, PARKING OR DRIVEWAY SUBGRADE.
- 10. ALL UNUSED EXCAVATED TRENCH AND SUB-EXCAVATION MATERIALS MAY BE DISPOSED IN THE RIGHT-OF-WAY.
- 11. ALL SURVEY LAYOUT SHALL BE PROVIDED BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.
- 12. BE RESPONSIBLE FOR AND PAY FOR ALL TRENCH DE-WATERING.
- 13. REMOVE AND REPLACE MONUMENTS AS NECESSARY FOR CONSTRUCTION OF WORK AT NO COST TO THE OWNER. REPLACEMENT MONUMENTS SHALL BE SURVEYED BY A LICENSED BCLS.
- 14. ACQUIRE CITY OF COLWOOD PERMIT TO ALTER OR CONSTRUCT ON CITY RIGHT—OF—WAY AS PER CONTRACT DOCUMENTS.
- 15. MAINTAIN VEHICULAR, CYCLIST AND PEDESTRIAN ACCESS THROUGH THE SITE DURING
- 16. PROVIDE SECURITY FENCING AND BARRICADES DURING CONSTRUCTION TO DELINEATE PROJECT SITE AS REQUIRED TO PROTECT PEDESTRIAN TRAFFIC.

2.0 SEWER NOTES:

- 1. SEWER PVC PIPE SHALL BE HDPE AS NOTED ON THE DRAWINGS AND CALLED FOR IN THE CONTRACT DOCUMENTS.
- 2. INSTALL SECONDARY PUMP STATION 75mm FORCE MAIN AS CALLED FOR ON THE DRAWINGS OR ALTERNATIVELY CONNECT THE 75 mm FORCEMAIN TO THE PUMP STATION WET WELL. PROVIDE ALTERNATIVE AND COST IMPLECATIONS IN TO REQUEST FOR PROPOSAL. INSTALL SEWER PIPING IN ACCORDANCE WITH MMCD SECTION 33 30 01 UNLESS OTHERWISE SPECIFIED.
- 3. EXCAVATION, TRENCHING AND BACKFILL TO BE IN ACCORDANCE WITH MMCD SECTION 33

- 4. DO NOT START ANY BACKFILL OPERATION UNTIL THE WORKS HAVE BEEN INSPECTED BY THE CONTRACT ADMINISTRATOR.
- 5. THE INTENT IS TO INSTALL THE 150mm FORCE MAIN IN THE EXISTING INACTIVE 300mm DIAMETER SEWER FORCE MAIN IN ACCORDANCE WITH MMCD SECTION 33 05 23, EXCEPT THAT WE ARE NOT BURSTING THE EXISTING PIPE, MEARLY USING IT AS A CASING.
- 6. SEWER MAINS MUST BE PRESSURE TESTED TO 1.5 TIMES THE WORKING PRESSURE AND VIDEO INSPECTED IN ACCORDANCE WITH MMCD SECTION 33 01 30.1. SUBMIT TEST REPORTS TO CITY OF COLWOOD UPON COMPLETION.
- 7. ISOLATION OF SEWAGE ENTERING MANHOLE AS REQUIRED TO MAINTAIN OPERATION DURING CONSTRUCTION. LOCATION OF PUMP OUT AND DISPOSAL LOCATION OF SEWAGE IS TO BE REVIEWED WITH THE CITY OF COLWOOD.
- 8. PROVIDE AND PAY FOR ALL WATER FOR TESTING. OBTAIN AND PAY FOR CITY OF COLWOOD PERMIT TO CONNECT TO CITY FIRE HYDRANT.
- 9. TENDERERS ARE ENCOURAGED TO REVIEW THE DRAWINGS AND SPECIFICATIONS AND PROVIDE AN ALTERNATIVE TENDER IN ACCORDANCE WITH MMCD INSTRUCTIONS TO TENDERERS PART II. TENDERERS MAY REQUEST APPROVED EQUALS DURING THE RFP PHASE IN ACCORDANCE WITH MMCD INSTRUCTIONS TO TENDERERS PART II.

3.0 ENVIRONMENTAL NOTES:

USE BEST MANAGEMENT PRACTICES AND MMCD SECTION 01 57 01 DURING CONSTRUCTION.
ADJUST WORK ACTIVITIES DURING PERIODS OF HEAVY RAIN TO MINIMIZE SEDIMENTS ENTERING
THE STORM DRAINAGE SYSTEM. SOME BMP'S TO CONSIDER:

- 1. CHECK ALL EQUIPMENT FOR FLUID LEAKS PRIOR TO ENTERING THE WORK AREA.
- 2. NO EQUIPMENT RE-FUELING TO OCCUR IN THE WORK AREA UNLESS SPILL PROTECTION MEASURES ARE IN PLACE.
- 3. A SPILL KIT IS TO BE MAINTAINED ON SITE THROUGHOUT THE CONSTRUCTION PERIOD.
- 4. COVER EXPOSED SOILS AND GRAVELS IN INCLEMENT WEATHER IE TARP, HYDRO SEED OR ORGANIC LEAF MULCH.
- 5. STOCKPILE SOILS AND GRAVELS AND ENSURE THEY ARE COVERED IF LEFT FOR MORE THAN 48 HOURS.
- 6. SURROUND PROTECTED TREES WITH SNOW FENCING AT DRIP LINE OR CRITICAL ROOT ZONE OF TREE DURING CONSTRUCTION.
- 7. OWNER WILL ENGAGE INDEPENDENT CONSULTANT TO PROVIDE GUIDANCE TO CONTRACTOR IN EXCAVATING, SEGREGATION AND CHARACTERIZATION OF SUSPECT CONTAMINATED SOIL ENCOUNTERED DURING TRENCH EXCAVATION.



(250) 478-5999



117-877 GOLDSTREAM AVENUE VICTORIA, BC V9B 2X8 (250) 915-2000

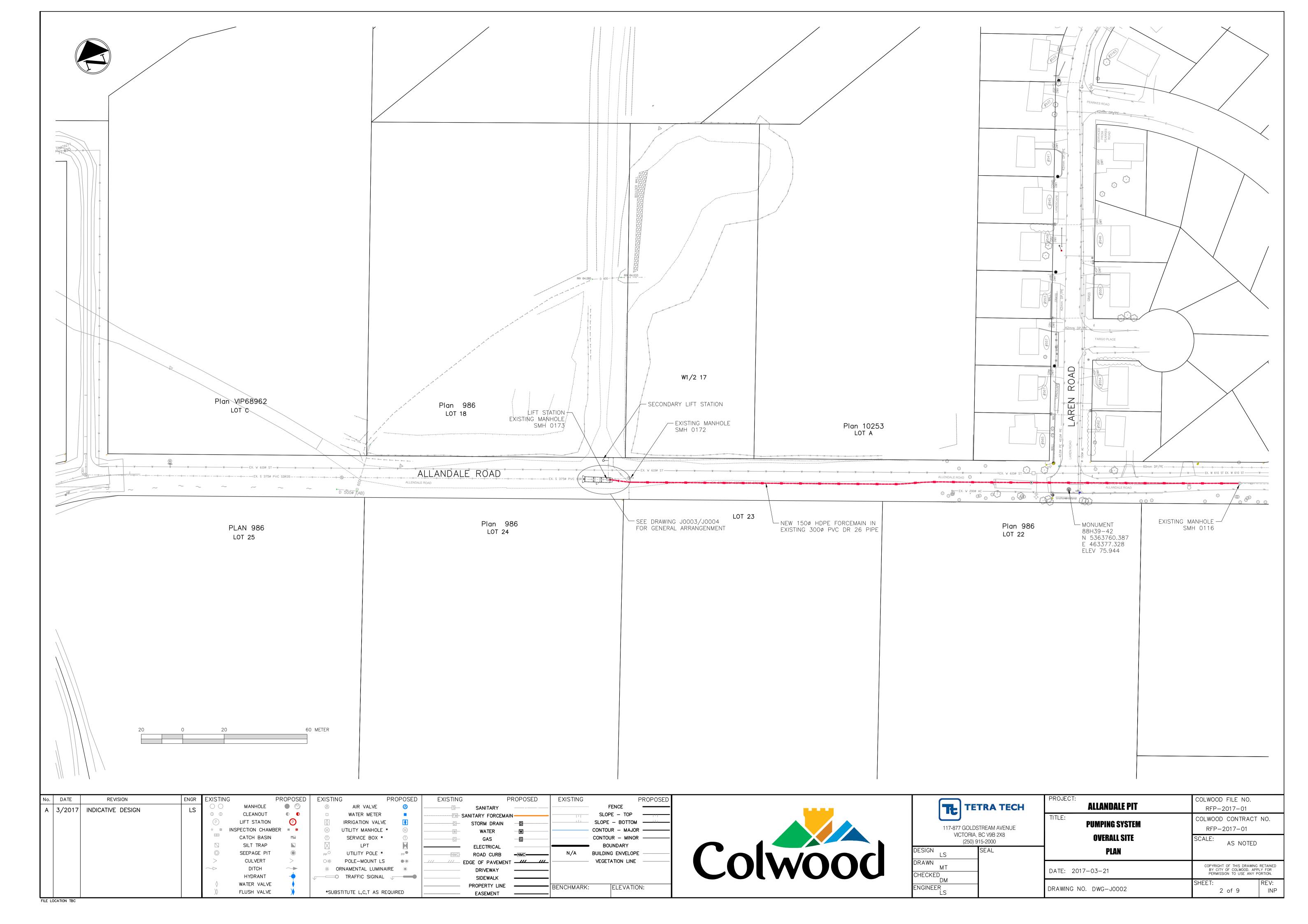


No.	DATE	REVISION	ENGR	EXISTING	}	PROPOSED	EXISTIN	G	PROPOSED	EXISTING	F	ROPOSED	EXISTING	PF	ROPOSED
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CHECKED DM	
ENGINEER LS	

PROJECT:	COLWOOD FILE NO.						
ALLANDALE PIT	RFP-2017-01						
TITLE: PUMPING SYSTEM	COLWOOD CONTRACT NO.						
FUMFING 3131EM	RFP-2017-01						
OVERALL SITE	SCALE: AS NOTED						
PLAN - ORTHO	AS NOTED						
DATE: 2017-03-21	COPYRIGHT OF THIS DRAWING RETAINED BY CITY OF COLWOOD. APPLY FOR PERMISSION TO USE ANY PORTION.						
DRAWING NO. DWG-J0001	SHEET: REV: 1 of 9 INP						



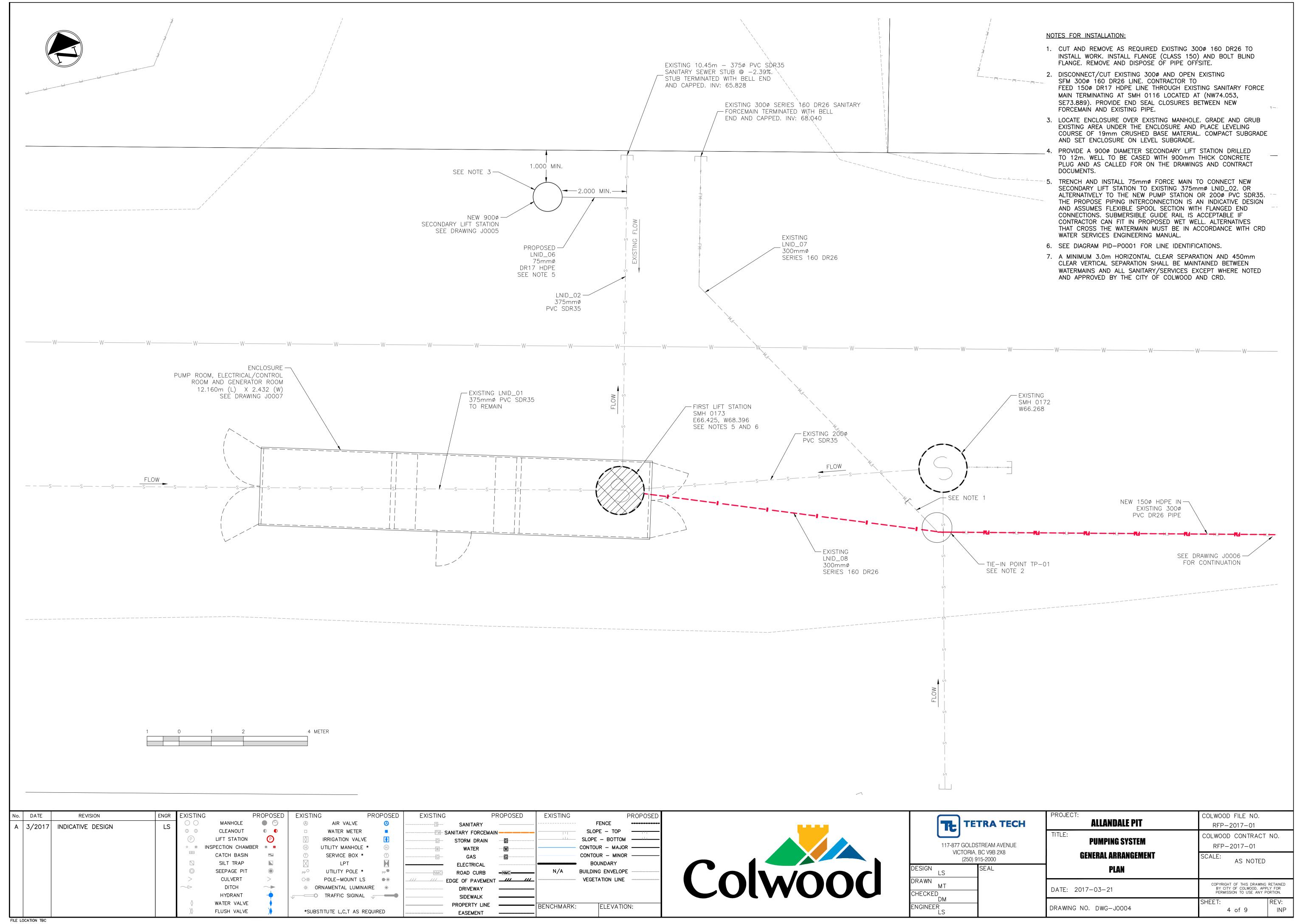


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ROJECT:	COLWOOD FILE NO.	
ALLANDALE PIT	RFP-2017-01	
ITLE:	COLWOOD CONTRACT	NO.
PUMPING SYSTEM	RFP-2017-01	
GENERAL ARRANGEMENT	SCALE: AS NOTED	
PLAN - ORTHO	AS NOTED	
ATE: 2017-03-21	COPYRIGHT OF THIS DRAWING BY CITY OF COLWOOD. APP PERMISSION TO USE ANY P	LY FOR
RAWING NO. DWG-J0003	SHEET: 3 of 9	REV: INP



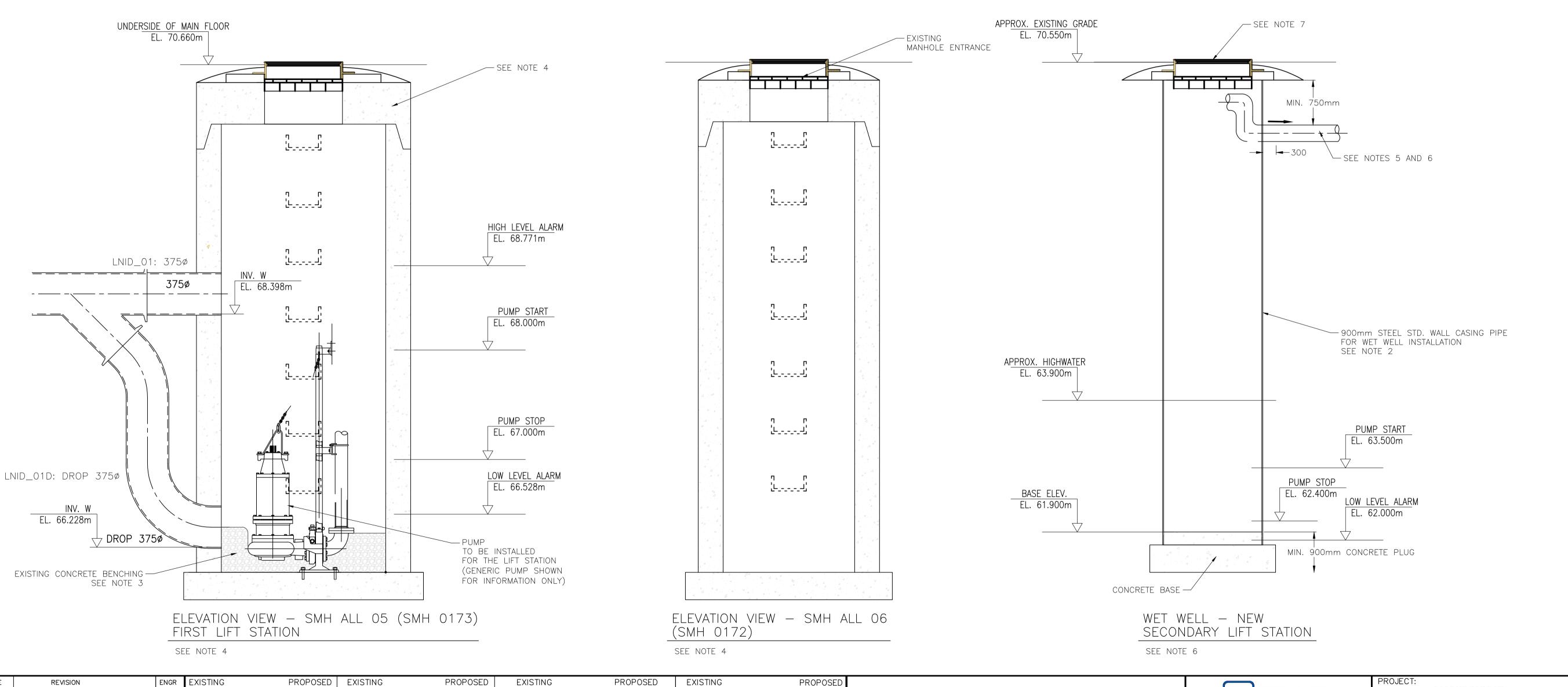
LNID_02: 375ø — LNID_03: 200ø — T1200¢ BARREL 200ø ✓INV: N 66.078 SEE NOTE 3 INV: W 66.425— __LNID_05: 200ø INV: W 68.398 — INV: W 66.228 200ø STUB (DROP INV) __ LNID_03: 200ø **└**INV: E 68.465 LNID_01: 375ø — LNID_04: 200ø — LNID_01D: 375ø INV: E 66.440 (DROP INV) **L**INV: S 66.455 **L**INV: E 66.268 200ø **└** 1500ø BARREL PLAN VIEW - SMH ALL 06

PLAN VIEW — SMH ALL 05 (SMH 0173)

FIRST LIFT STATION

PLAN VIEW — SMH AI

(SMH 0172)



FENCE

SLOPE - TOP

BOUNDARY

BUILDING ENVELOPE

VEGETATION LINE

BENCHMARK:

SLOPE - BOTTOM -

CONTOUR - MAJOR -

CONTOUR - MINOR -

ELEVATION:

NOTES:

TETRA TECH

117-877 GOLDSTREAM AVENUE

VICTORIA, BC V9B 2X8

(250) 915-2000

DESIGN LS

DRAWN MT

CHECKED DM

ENGINEER LS 1. MANHOLE VIEWS ARE SHOWN USING BEST AVAILABLE INFORMATION.

2. PROVIDE A 900Ø DIAMETER SECONDARY LIFT STATION DRILLED TO 12m. WELL TO BE CASED WITH 900mm CONCRETE PLUG.

3. REMOVE CONCRETE BENCHING TO INVERT OF PIPES. DRILL 4

NUTS. GROUT PUMP BASE WITH NON SHRINK GROUT. PUMP SUCTION MUST HAVE A MINIMUM 300mm CLEARANCE FOR FULL

4. REMOVE EXISTING MANHOLE FRAME, COVER AND TOP CONCRETE LID. PROVIDE WATERTIGHT CLOSURE BETWEEN FLOOR OF

EQUIPMENT ENCLOSURE AND MANHOLE. PROVIDE DETAILS FOR

5. PROVIDE QUICK RELEASE CONNECTION ON INSIDE OF CLOSING TO

INTERIOR OF CASING. PROVIDE ROBAR STYLE TRANSITION COUPLING

INSTALLATION OF 5 I/sec PUMP IN LIFT STATION. CONTRACTOR TO

SUBMERSIBLE GUIDE RAIL IS ACCEPTABLE IF CONTRACTOR CAN FIT

PROPOSE PIPING INTERCONNECTION. INDICATIVE DESIGN ASSUMED

FLEXIBLE SPOOL SECTION WITH FLANGED END CONNECTIONS.

7. PROVIDE SECURE SUPPORTS AT TOP OF CASING NOT MORE THAN 300mm BELOW GRADE FOR PUMP LIFTING CHAIN, FLOAT(S) AND

CONTROL WIRING. PROVIDE LOCKABLE SOLID GALVANIZED STEEL PLATE COVER OVER CASING, SET COVER 50mm ABOVE GRADE.

COLWOOD FILE NO.

RFP-2017-01

RFP-2017-01

SCALE: AS NOTED

5 of 9

COLWOOD CONTRACT NO.

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ALLANDALE PIT

PUMPING SYSTEM

DETAILS

MANHOLE VIEWS

DATE: 2017-03-21

DRAWING NO. DWG-J0005

CONNECT TO PUMP DISCHARGE, FLEXIBLE CONNECTION TO

6. CONTRACTOR TO DRILL WELL AND PROVIDE CASING TO ALLOW

BETWEEN PUMP DISCHARGE PIPE AND 750 HDPE.

PRIOR TO START OF CONSTRUCTION.

DIAMETER OF INTAKE.

IN PROPOSED WET WELL.

REVIEW BY CA.

CONTRACTOR TO VERIFY EXACT SIZING, ELEVATION AND LOCATION

STAINLESS STEEL QUICK BOLTS FOR PUMP BASE C/W LEVELING

No. DATE

A 3/2017 INDICATIVE DESIGN

MANHOLE

CLEANOUT

LIFT STATION

O INSPECTION CHAMBER

O

CATCH BASIN

SILT TRAP

SEEPAGE PIT

CULVERT

DITCH

HYDRANT

WATER VALVE

FLUSH VALVE

AIR VALVE

IRRIGATION VALVE

UTILITY MANHOLE *

SERVICE BOX *

UTILITY POLE *

TRAFFIC SIGINAL

*SUBSTITUTE L,C,T AS REQUIRED

O* POLE-MOUNT LS

★ ORNAMENTAL LUMINAIRE

SANITARY

ELECTRICAL

ROAD CURB

DRIVEWAY

SIDEWALK

PROPERTY LINE

EASEMENT

NOTES: 1. THIS DRAWING FOR GUIDANCE ONLY. CONTENTS BEING TAKEN FROM CITY OF COLWOOD FILE NO:10.7.20; DRAWING NO. 026-24-05 REVISION J. ∕---SMH 0173 2. EXCAVATE, CUT AND REMOVE EXISTING 3000 AT MANHOLE AND CONNECT NEW 1500 TO EXISTING. INSTALL TEMPORARY PLUG IN EXISTING 3000 FOR AIR TESTING. AIR TEST COMPLETE LINE FROM MANHOLE ALLO2 TO ALLO5 (SMH 0173). ---SMH 0172 _NEW 150¢ DR17 HDPE LINE TO BE FED THROUGH EXISTING SANITARY FORCE MAIN TERMINATING _SMH 0116 SE NOTE 2 AT SMH 0116 LOCATED AT (NW74.053, SE73.889) — EXISTING GROUND (ALL) (ALL 06 _ EX. W 150 AC EXISTING GROUND -EXISTING 1.82m COVER MINIMUM 1.0m COVER -11.2√5° BENDS OVER PIPE AT OVER FORCEMAIN AIR VALVE NOTE: MAXIMUM RADIUS OF CURVATURE FOR SERIES 160 DR 26 FORCEMAIN = 350m OR 1° PER 6m PIPE LENGTH 375 PVC PVC SDR35 ≥ ν ш − m o EXISTING 3750 PVC SDR35 202.14m-300ø SERIES 160 98.45m-300ø SERIES 160 SAN. SEWER AT 0.30% SAN. SEWER DR26 SANITARY FORCEMAIN DR26 SANITARY FORCEMAIN 74.05 73.88 1+480 1 + 4001+520 1+560 1+600 1+640 1+680 1+720 1 + 440PROFILE VIEW - COLWOOD SEWERS ALLANDALE ROAD 40 METER (H) 10 20 OAD ROAD W1/2 17LAREN EXISTING 10.45m - 375ø PVC SDR35 LOT A SAN. SEWER STUB @ -2.39%. STUB Plan 10253 TERMINATED WITH BELL END AND CAPPED. INV: 65.828 EXISTING 300¢ SERIES 160 DR26 -SANITARY FORCEMAIN TERMINATED WITH CONNECTED TO BELL END AND CAPPED. INV: 68.040 EXISTING 300¢ STUB $\overline{}$ - APPROXIMATE ALLANDALE ROAD **BENDS** POINTS OF --WDEFLECTIONW-— W— EX. W 610 ST DALE ROAD 150¢ HDPE ALLANDALE ROAD © © SMH 0173 ---EXISTING SFM 3000 160 DR26 LINE N 5363842.501 N 5363793.264 ---N 5363784.018 NEW 150¢ DR17 HDPE LINE E 463170.828 TO BE FED THROUGH E 463296.570 E 463324.351 └MON: 88H3942 Plan 986 -SMH 0172 N 5363760.387 E 463377.328 SMH 0116 LOT 23 10.00m - 200ø PVC SDR35 SAN. N 5363839.641 LOT 22 N 5363734.372 SEWER STUB @ 0.61%. STUB E 463180.495 ELEV 75.944 E 463455.570 TERMINATED WITH BELL END AND —— CAPPED. INV 66.516 PLAN VIEW ALLANDALE ROAD 40 METER PROJECT: PROPOSED PROPOSED EXISTING PROPOSED EXISTING COLWOOD FILE NO. No. DATE REVISION ENGR EXISTING PROPOSE **ALLANDALE PIT TETRA TECH** MANHOLE AIR VALVE **FENCE** SANITARY RFP-2017-01 A | 3/2017 | INDICATIVE DESIGN CLEANOUT WATER METER SLOPE - TOP EM- SANITARY FORCEMAIN -COLWOOD CONTRACT NO. LIFT STATION SLOPE - BOTTOM IRRIGATION VALVE **PUMPING SYSTEM** 117-877 GOLDSTREAM AVENUE RFP-2017-01 O INSPECTION CHAMBER O UTILITY MANHOLE * CONTOUR - MAJOR -VICTORIA, BC V9B 2X8 PROPOSED TUBE FEEDING CATCH BASIN SERVICE BOX * CONTOUR - MINOR -GAS SCALE: (250) 915-2000 AS NOTED SILT TRAP BOUNDARY ELECTRICAL **PLAN AND PROFILE, GUIDANCE ONLY** DESIGN SEEPAGE PIT UTILITY POLE * BUILDING ENVELOPE ROAD CURB VEGETATION LINE CULVERT ○ → POLE-MOUNT LS ORAWN COPYRIGHT OF THIS DRAWING RETAINED BY CITY OF COLWOOD. APPLY FOR PERMISSION TO USE ANY PORTION.

CHECKED DM

ENGINEER

DATE: 2017-03-21

DRAWING NO. DWG-J0006

6 of 9

DITCH

HYDRANT

WATER VALVE

FLUSH VALVE

★ ORNAMENTAL LUMINAIRE

TRAFFIC SIGINAL

*SUBSTITUTE L,C,T AS REQUIRED

DRIVEWAY

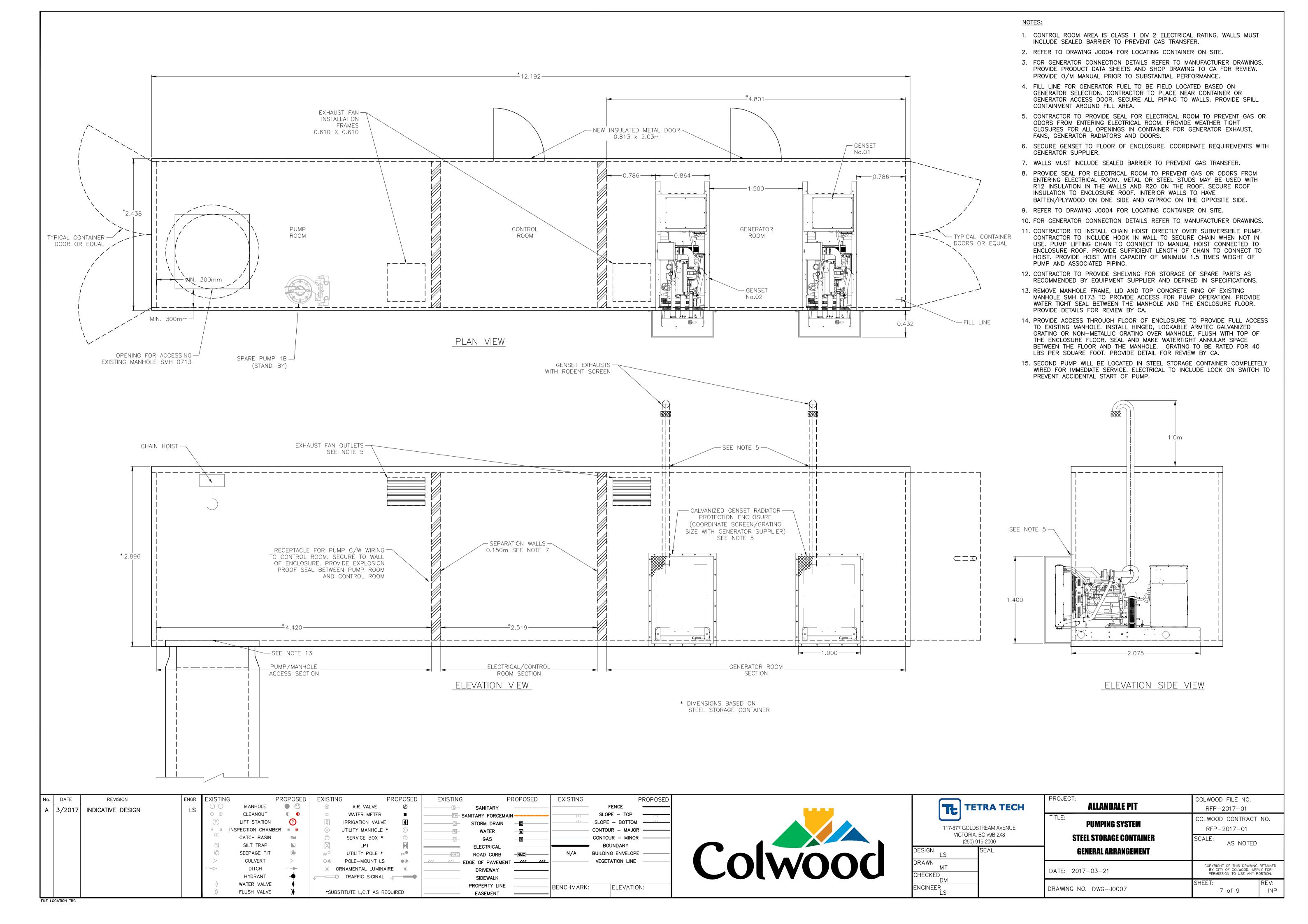
SIDEWALK

PROPERTY LINE

EASEMENT

BENCHMARK:

ELEVATION:



- SAFETY GRATING WITH EASY OPENING FOR / STEEL STORAGE CONTAINER LIFT STATION MAINTENANCE AND OPERATION NOTES: SEE DRAWING J0008 SEE NOTE 2 1. GALVANIZED OR STAINLESS STEEL CHAIN TO FACILITATE REMOVAL OF PUMP(S). PROVIDE CHAIN SUPPORT AT TOP OF MANHOLE OR UNDERSIDÈ OF ENCLOSURE. 2. PROVIDE WATERTIGHT CLOSURE BETWEEN FLOOR OF ENCLOSURE AND MANHOLE. 3. PROVIDE A STILLING WELL TO PROTECT CONTINUOUS LEVEL DEVICE. 4. SEAL OPENING USING NO SHRINK GROUT. 5. 150¢ DISCHARGE PIPE SUITABLE FOR SEWAGE APPLICATION, PRESSURE RATING 150psi WORKING PRESSURE C/W FLANGED ENDS AND FLANGED CHECK VALVE AND ROBAR TRANSITION COUPLING. 6. CONTRACTOR TO LOCATE SELECTED FLANGED CHECK VALVE ON PUMP DISCHARGE LINE AND CONNECTION TO PRESSURE TRANSMITTER TO PROVIDE EASE OF INSTALLATION AND MAINTENANCE. UPPER RING REPLACED — WITH GRATING SPACER SEE NOTE 2 7. CONTRACTOR TO SUPPLY AND INSTALL 2" AIR RELIEF VALVE WITHIN SEE NOTE 7 THE ENCLOSURE. VENT TO BE LOCATED AT HIGHEST POINT OF PIPE DISCHARGE PIPING IN WET WELL. CONTRACTOR TO INCLUDE SEE 734-1580340100-PID-P0001 VENT LINE AND RETURN AIR LINE VENTING BACK INTO WET WELL. EXACT LOCATION TO BE CONFIRMED BY CONTRACTOR BASED ON CONTRACTOR'S PREFERENCE FOR LOCATION. VALVE MUST BE IN LOCATION CLEAR OF AREA REQUIRED FOR PUMP REMOVAL. — TIE IN TP-01 - 1500 HDPE FLEXIBLE CONNECTION ROBAR STYLE TRANSITION COUPLING SEE NOTE 4 375ø SEE NOTE 6 ARRANGEMENT OF PUMP -AND PIPING & INSTRUMENTATION TO BE DETERMINED ON SITE WITH EXISTING CONDITIONS 375ø SEE 734-1580340100-PID-P0001 SEE NOTE 1-- SEE NOTE 5 LEVEL ELEMENT -- LEVEL SWITCH FLOATS LEVEL SWITCH FLOATS 1500ø BARREL **─** INV: E 66.268 TOP VIEW — SMH ALL 05 (SMH 0173) FIRST LIFT STATION DROP 375¢

75mm STILLING WELL
SEE NOTE 3

ELEVATION VIEW — SMH ALL 05 (SMH 0173) FIRST LIFT STATION

NOTE 2

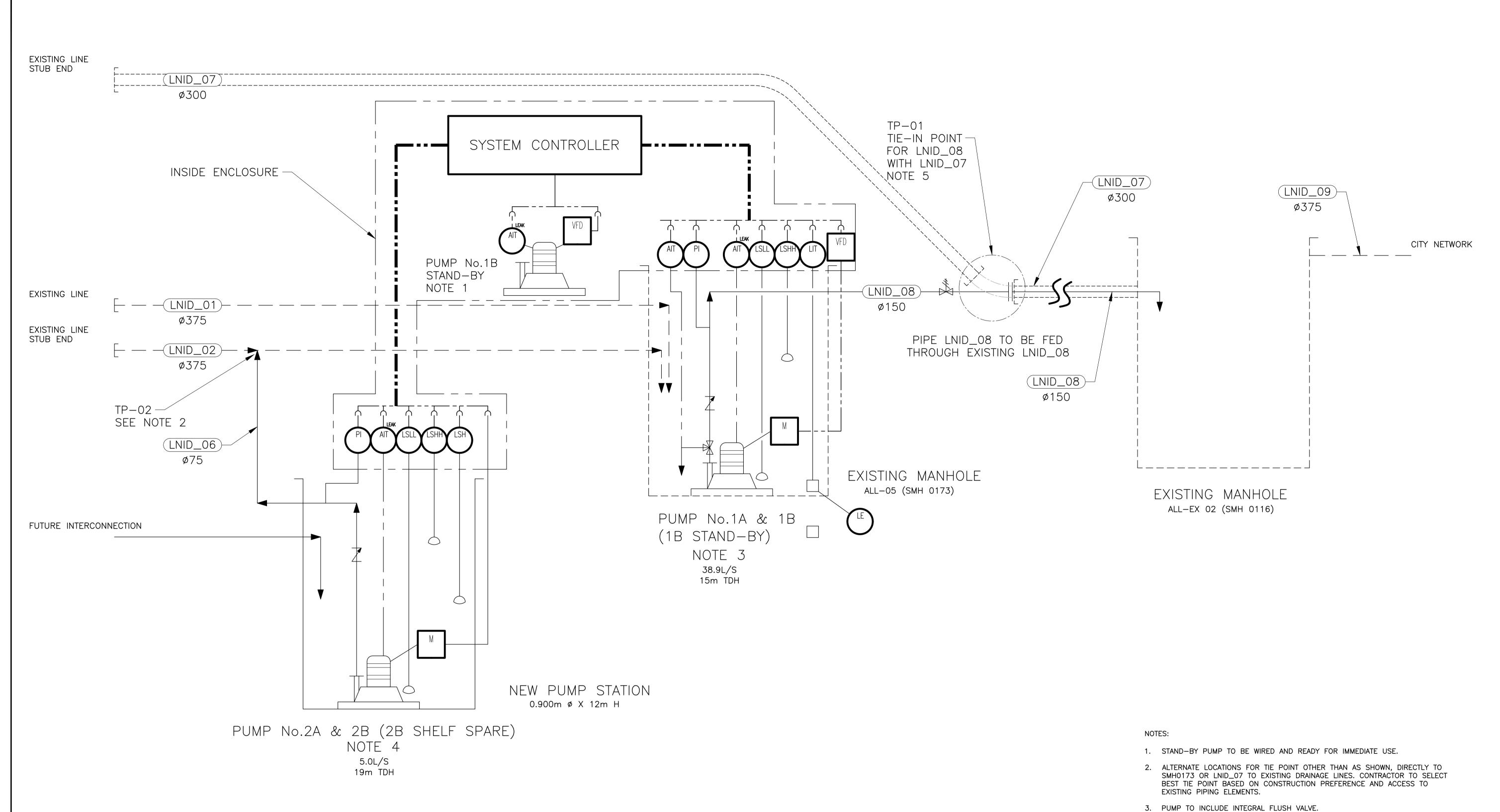
No).	DATE	REVISION	LNGR	EXISTING	ŀ	PROPOSED	EXISTIN	IG	PROPOSED	EXISTING	Р	KOPOSED	EXISTING		PROPOSED
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					P	LIFT STATION	P	\bigcirc	IRRIGATION VALVE		D_	STORM DRAIN			SLOPE - BOTTOM	
						ISPECTION CHAMBE	ER 🛮 🔼	(H)	UTILITY MANHOLE	*	W	WATER	_ W		CONTOUR - MAJO	R ———
						CATCH BASIN	==	T	SERVICE BOX *	$\langle \mathbb{T} \rangle$	G_	GAS	_G		CONTOUR - MINOR	R ———
						SILT TRAP			LPT	X		ELECTRICAL			BOUNDARY	
						SEEPAGE PIT		_{PP} O	UTILITY POLE *	PP	NMC-	ROAD CURB	-NMC	N/A	BUILDING ENVELOP	E
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PROJECT:	COLWOOD FILE NO.
ALLANDALE PIT	RFP-2017-01
TITLE:	COLWOOD CONTRACT NO.
PUMPING SYSTEM	RFP-2017-01
PROPOSED SITE	SCALE: AS NOTED
LIFT STATION	NO NOTED
DATE: 2017-03-21	COPYRIGHT OF THIS DRAWING RETAINED BY CITY OF COLWOOD. APPLY FOR PERMISSION TO USE ANY PORTION.
DRAWING NO. DWG-J0008	SHEET: REV:
2	

FILE LOCATION TBC



- 4. SPARE PUMP TO BE A SHELF SPARE LOCATED IN ENCLOSURE.
- 5. PIPE CONNECTION TO BE REMOVED TO ACCESS LNID_08.

No.	DATE	REVISION	ENGR	EXISTING	G	PROPOSED	EXISTIN	IG	PROPOSED	EXISTING		PROPOSED	EXISTING	PROPOSED
Δ	3/2017	INDICATIVE DESIGN	LS	\circ	MANHOLE		\triangle	AIR VALVE	(A)	S	SANITARY			FENCE ———
^	3, 2017	INDICATIVE DESIGN		\bigcirc \bigcirc	CLEANOUT			WATER METER	•	FM- S	ANITARY FORCEMA	AIN ———		SLOPE - TOP
				P	LIFT STATION	P	\bigcirc	IRRIGATION VALVE		D_	STORM DRAIN	_D		SLOPE - BOTTOM
				0 0	INSPECTION CHAME	BER 🖩 🔼	\mathbb{H}	UTILITY MANHOLE	*	W	WATER	_ W		CONTOUR - MAJOR
					CATCH BASIN	==	$\langle \overline{1} \rangle$	SERVICE BOX *	$\langle T \rangle$		GAS			CONTOUR - MINOR
					SILT TRAP			LPT	X		ELECTRICAL			BOUNDARY
					SEEPAGE PIT		_{PP} O	UTILITY POLE *	PP	NMC-	ROAD CURB	-NMC	N/A	BUILDING ENVELOPE
				>	CULVERT	>	0*	POLE-MOUNT LS	● *	_/// /// E	DGE OF PAVEMEN	IT <u> </u>		VEGETATION LINE
				$\sim \triangleright$	DITCH	~	* (DRNAMENTAL LUMINA	AIRE *		DRIVEWAY			
					HYDRANT	•	C	TRAFFIC SIGINAL			SIDEWALK		,	
				\Diamond	WATER VALVE	♦					PROPERTY LINE		BENCHMARK	: ELEVATION:
				$\rangle\rangle$	FLUSH VALVE	>	*SUB	STITUTE L,C,T AS R	EQUIRED		EASEMENT		DENOMINA	. ILLEVATION.



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	VICTORIA,	STREAM AVENUE BC V9B 2X8 15-2000
SIGN	LS	SEAL
AWN	MT	
ECKE	D DM	

PROJECT:	COLWOOD FILE NO.	
ALLANDALE PIT	RFP-2017-01	
TITLE: PUMPING SYSTEM	COLWOOD CONTRACT	NO.
rumrina 3131cm	RFP-2017-01	
STATION	SCALE: AS NOTED	
PIPING AND INSTRUMENTATION DIAGRAM	7,0 110125	
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DRAWING NO. PID-P0001	SHEET: 9 of 9	REV: INP