[illegible]

CONSULTANT SEAL



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tel 250.828.0881 ■ fax 250.828.0717  
info@TRUE.bc.ca

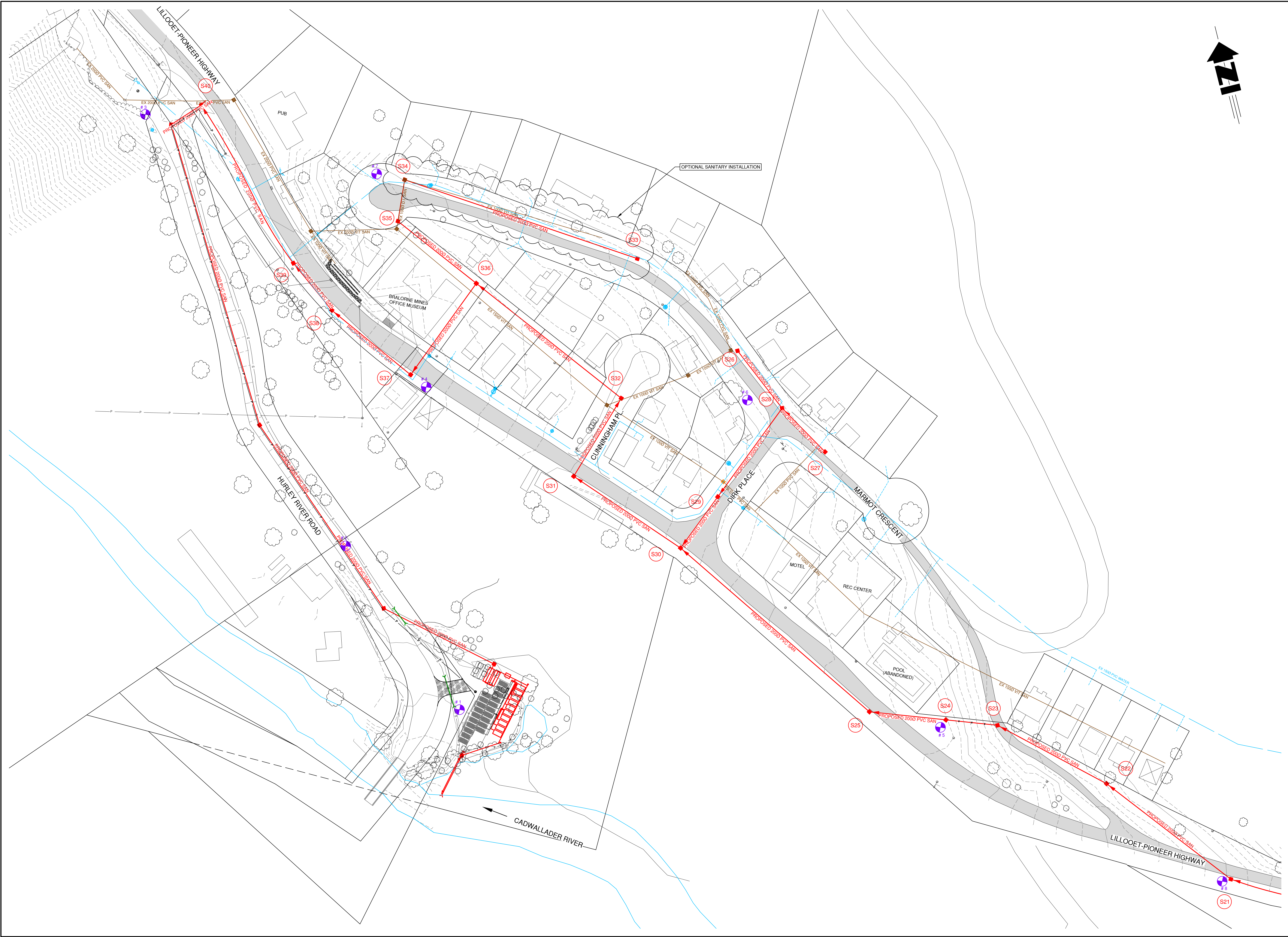


# BRALORNE SANITARY SYSTEM UPGRADES

# LOCATION PLAN SITE PLAN AND DRAWING LIST

SCALE		1:2000							
DESIGN BY		SU							
DRAWN BY		SPC							
DATE		July 2016							
PROJECT REFERENCE No.		649-011							
DRAWING No.		<table><tr><td rowspan="3">649-01501</td><td>SHEET</td></tr><tr><td>1 OF 18</td></tr><tr><td>REVISION</td></tr><tr><td></td><td>6</td></tr></table>		649-01501	SHEET	1 OF 18	REVISION		6
649-01501	SHEET								
	1 OF 18								
	REVISION								
	6								





LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SANITARY MAIN
		SANITARY MANHOLE
		SAN MANHOLE (ASSUMED)
		CLEANOUT
		SEPTIC TANK
		LIFT STATION
		STORM MAIN
		STORM DITCH
		STORM MANHOLE
		CATCHBASIN
		STORM DRYWELL
		WATER MAIN
		WATER SERVICE
		CURB STOP
		VALVE
		STANDPIPE
		HYDRANT
		AIR RELEASE VALVE
		REDUCER
		SPRINKLER
		IRRIGATION BOX
		END CAP
		POWER
		TEL
		CABLE
		STREET LIGHT
		GAS
		POWER POLE
		LAMP STANDARD
		LIGHT POST
		POLE ANCHOR
		TEST PIT
		IRON PIN
		SURVEY CONTROL

No.	DATE	DESCRIPTION	BY	APPD
6	MAR 23/16	ISSUED FOR TENDER	SPC	SU
5	MAR 14/16	ISSUED FOR APPROVAL	SPC	SU
4	JAN 24/16	ISSUED FOR CLIENT REVIEW	SPC	SU
3	AUG 18/17	ISSUED FOR M&T REVIEW	SPC	SU
2	NOV 21/16	ISSUED FOR PERMIT	SPC	SU
1	OCT 4/16	ISSUED FOR APPROVAL	SPC	SU

ISSUES / REVISIONS

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SQUAMISH - LILLOOET  
REGIONAL DISTRICT

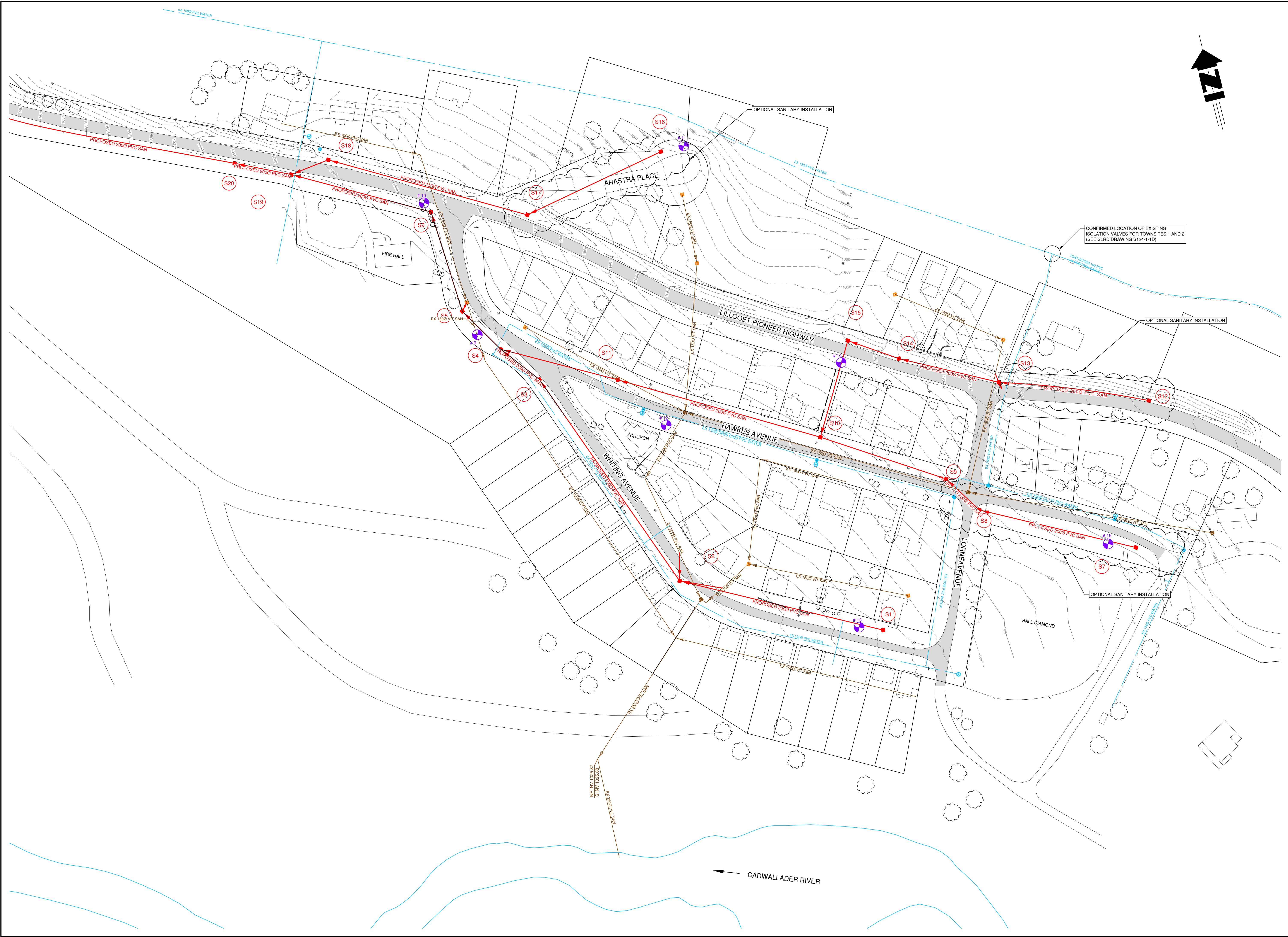
**BRALORNE  
SANITARY SYSTEM  
UPGRADES**

**TOWNSITE #1  
OVERVIEW**

SCALE	1:750
DESIGN BY	SU
DRAWN BY	SPC
DATE	July 2016
PROJECT REFERENCE No.	649-011
DRAWING No.	SHEET
<b>649-01502</b>	<b>2 OF 18</b>
	REVISION
	<b>6</b>

FILE: C:\Users\60506\Documents\649-011\2016\Drawings\649-01502.dwg





LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SANITARY MAIN
		SANITARY MANHOLE
		SAN MANHOLE (ASSUMED)
		SEPTIC TANK
		LIFT STATION
		STORM MAIN
		STORM DITCH
		STORM MANHOLE
		CATCHBASIN
		STORM DRYWELL
		WATER MAIN
		WATER SERVICE
		CURB STOP
		VALVE
		STANDPIPE
		HYDRANT
		AIR RELEASE VALVE
		REDUCER
		SPRINKLER
		IRRIGATION BOX
		END CAP
		POWER
		TEL
		CABLE
		STREET LIGHT
		GAS
		POWER POLE
		LAMP STANDARD
		LIGHT POST
		POLE ANCHOR
		TEST PIT
		IRON PIN
		SURVEY CONTROL

No.	DATE	DESCRIPTION	BY	APPR
6	MAR 23/16	ISSUED FOR TENDER	SPC	SU
5	MAR 14/16	ISSUED FOR APPROVAL	SPC	SU
4	JAN 24/16	ISSUED FOR CLIENT REVIEW	SPC	SU
3	AUG 16/17	ISSUED FOR M+T REVIEW	SPC	SU
2	NOV 21/16	ISSUED FOR PERMIT	SPC	SU
1	OCT 4/16	ISSUED FOR APPROVAL	SPC	SU

ISSUES / REVISIONS

CONSULTANT SEAL

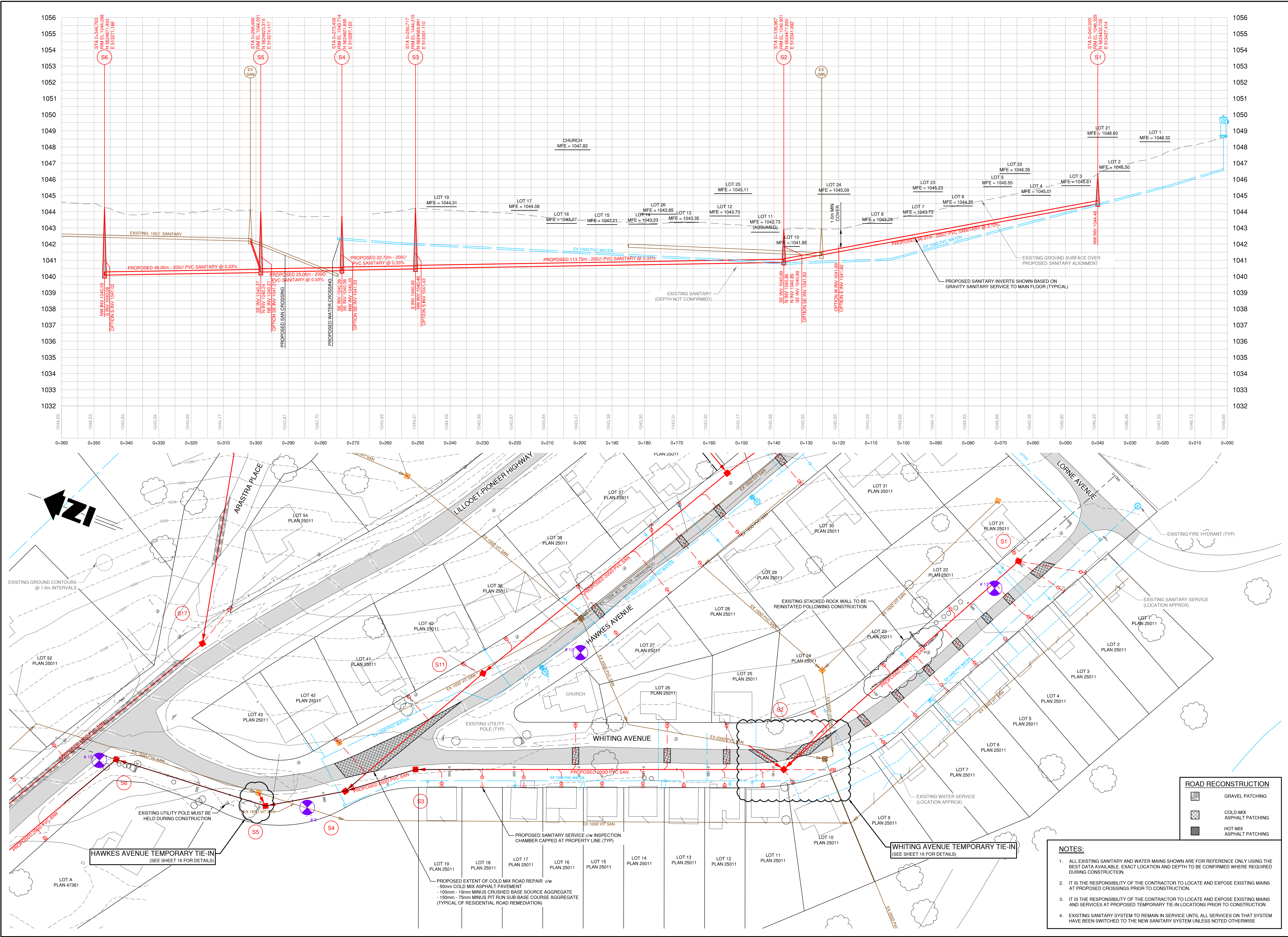
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**BRALORNE  
SANITARY SYSTEM  
UPGRADES**

**TOWNSITE #2  
OVERVIEW**

SCALE 1:750  
DESIGN BY SU  
DRAWN BY SPC  
DATE July 2016  
PROJECT REFERENCE No. 649-011  
DRAWING No. 649-01503  
SHEET 3 OF 18  
REVISION 6





LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SANITARY MAIN
		SANITARY MANHOLE
		SAN MANHOLE (ASSUMED)
		CLEANOUT
		LIFT STATION
		SEPTIC TANK
		STORM MAIN
		STORM DITCH
		STORM MANHOLE
		CATCHBASIN
		STORM DRYWELL
		WATER MAIN
		WATER SERVICE
		CURB STOP
		VALVE
		STANDPIPE
		HYDRANT
		AIR RELEASE VALVE
		REDUCER
		SPRINKLER
		IRRIGATION BOX
		END CAP
		POWER
		TEL
		CABLE
		STREET LIGHT
		GAS
		POWER POLE
		LAMP STANDARD
		LIGHT POST
		POLE ANCHOR
		TEST PIT
		IRON PIN
		SURVEY CONTROL

No.	DATE	DESCRIPTION	BY	APPD
8	MAR 23/18	ISSUED FOR TENDER	SPC	SU
7	MAR 20/18	ISSUED FOR CLIENT REVIEW	SPC	SU
6	MAR 14/18	ISSUED FOR APPROVAL	SPC	SU
5	JAN 24/18	ISSUED FOR CLIENT REVIEW	SPC	SU
4	OCT 19/17	ISSUED FOR M&T APPROVAL	SPC	SU
3	AUG 16/17	ISSUED FOR M&T REVIEW	SPC	SU
2	NOV 21/16	ISSUED FOR PERMIT	SPC	SU
1	OCT 4/16	ISSUED FOR APPROVAL	SPC	SU

ISSUES / REVISIONS

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**BRALORNE  
SANITARY SYSTEM  
UPGRADES**

**TOWNSITE #2**

**WHITING AVENUE  
PLAN & PROFILE**

SCALE	H - 1:500 V - 1:100
DESIGN BY	SU
DRAWN BY	SPC
DATE	July 2016
PROJECT REFERENCE No.	649-011
DRAWING No.	

NOTES:  
1. ALL EXISTING SANITARY AND WATER MAINS SHOWN ARE FOR REFERENCE ONLY USING THE BEST DATA AVAILABLE. EXACT LOCATION AND DEPTH TO BE CONFIRMED WHERE REQUIRED DURING CONSTRUCTION.  
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND EXPOSE EXISTING MAINS AT PROPOSED CROSSINGS PRIOR TO CONSTRUCTION.  
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND EXPOSE EXISTING MAINS AND SERVICES AT PROPOSED TEMPORARY TIE-IN LOCATIONS PRIOR TO CONSTRUCTION  
4. EXISTING SANITARY SYSTEM TO REMAIN IN SERVICE UNTIL ALL SERVICES ON THAT SYSTEM HAVE BEEN SWITCHED TO THE NEW SANITARY SYSTEM UNLESS NOTED OTHERWISE

ROAD RECONSTRUCTION

GRAVEL PATCHING  
 COLD-MIX ASPHALT PATCHING  
 HOT-MIX ASPHALT PATCHING

HAWKES AVENUE TEMPORARY TIE-IN  
(SEE SHEET 16 FOR DETAILS)

WHITING AVENUE TEMPORARY TIE-IN  
(SEE SHEET 16 FOR DETAILS)

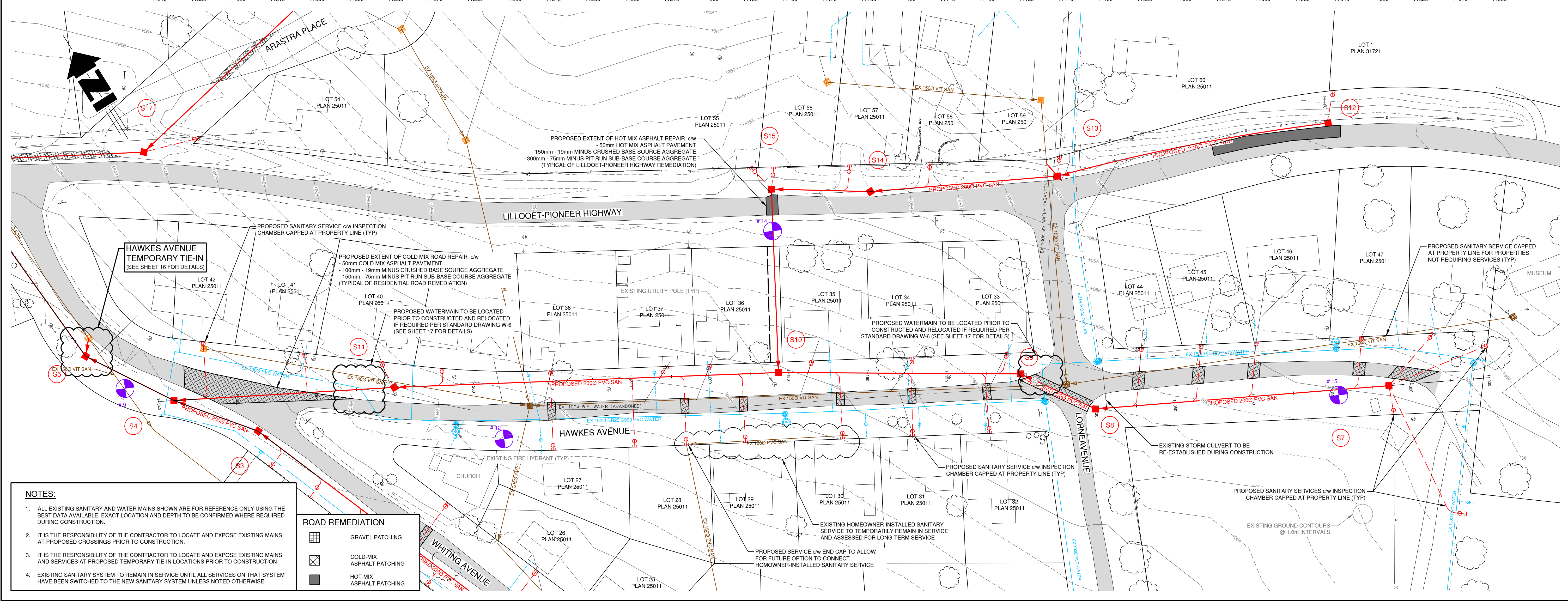
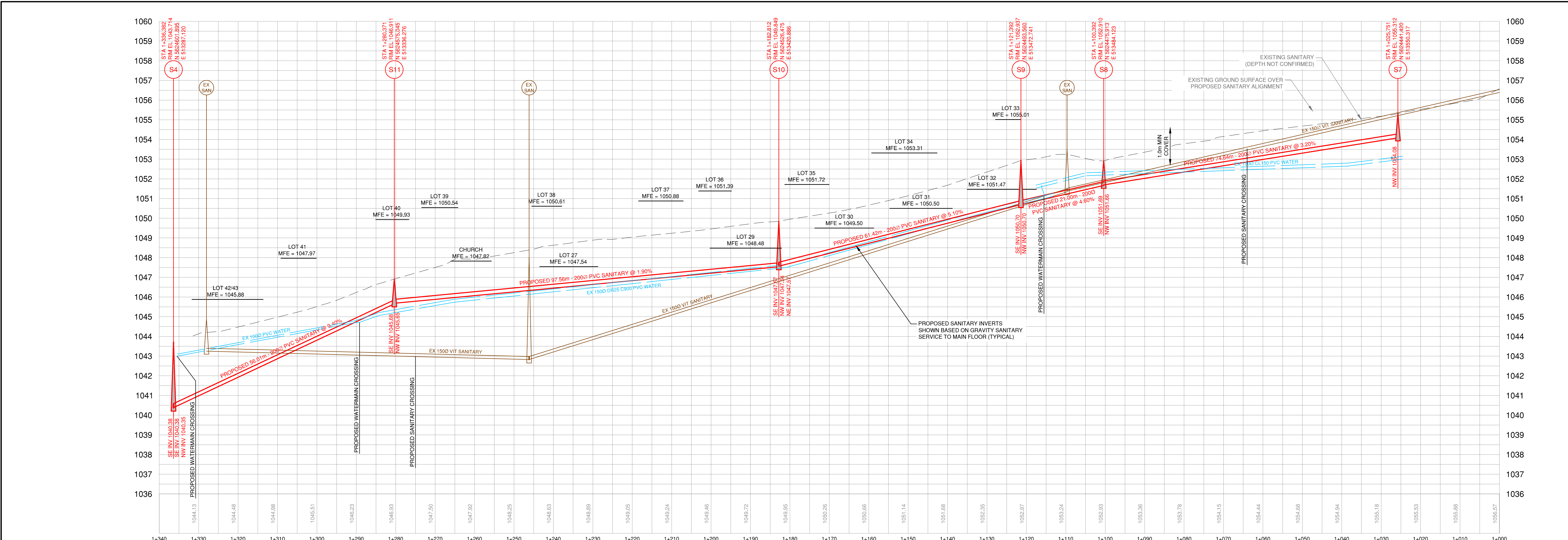
PROPOSED EXTENT OF COLD MIX ROAD REPAIR c/w  
- 50mm COLD MIX ASPHALT PAVEMENT  
- 100mm - 15mm MINUS CRUSHED BASE SOURCE AGGREGATE  
- 150mm - 75mm MINUS PIT RUN SUB-BASE COURSE AGGREGATE  
(TYPICAL OF RESIDENTIAL ROAD REMEDIATION)

649-01504

4 OF 18

REVISION  
8





LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SANITARY MAIN
		SANITARY FORCE MAIN
		SAN MANHOLE (ASSUMED)
		CLEANOUT
		LIFT STATION
		SEPTIC TANK
		STORM MAIN
		STORM DITCH
		CULVERT
		STORM MANHOLE
		CATCHBASIN
		STORM DRYWELL
		WATER MAIN
		WATER SERVICE
		CURB STOP
		VALVE
		STANDPIPE
		HYDRANT
		AIR RELEASE VALVE
		REDUCER
		SPRINKLER
		IRRIGATION BOX
		END CAP
		POWER
		TEL
		CABLE
		STREET LIGHT
		GAS
		POWER POLE
		LAMP STANDARD
		LIGHT POST
		POLE ANCHOR
		TEST PIT
		IRON PIN
		SURVEY CONTROL

No.	DATE	DESCRIPTION	BY	APPD
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3	AUG 18/17	ISSUED FOR M&T REVIEW	SPC	SU
2	NOV 21/16	ISSUED FOR PERMIT	SPC	SU
1	OCT 4/16	ISSUED FOR APPROVAL	SPC	SU

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**BRALORNE**  
**SANITARY SYSTEM**  
**UPGRADES**

**TOWNSITE #2**

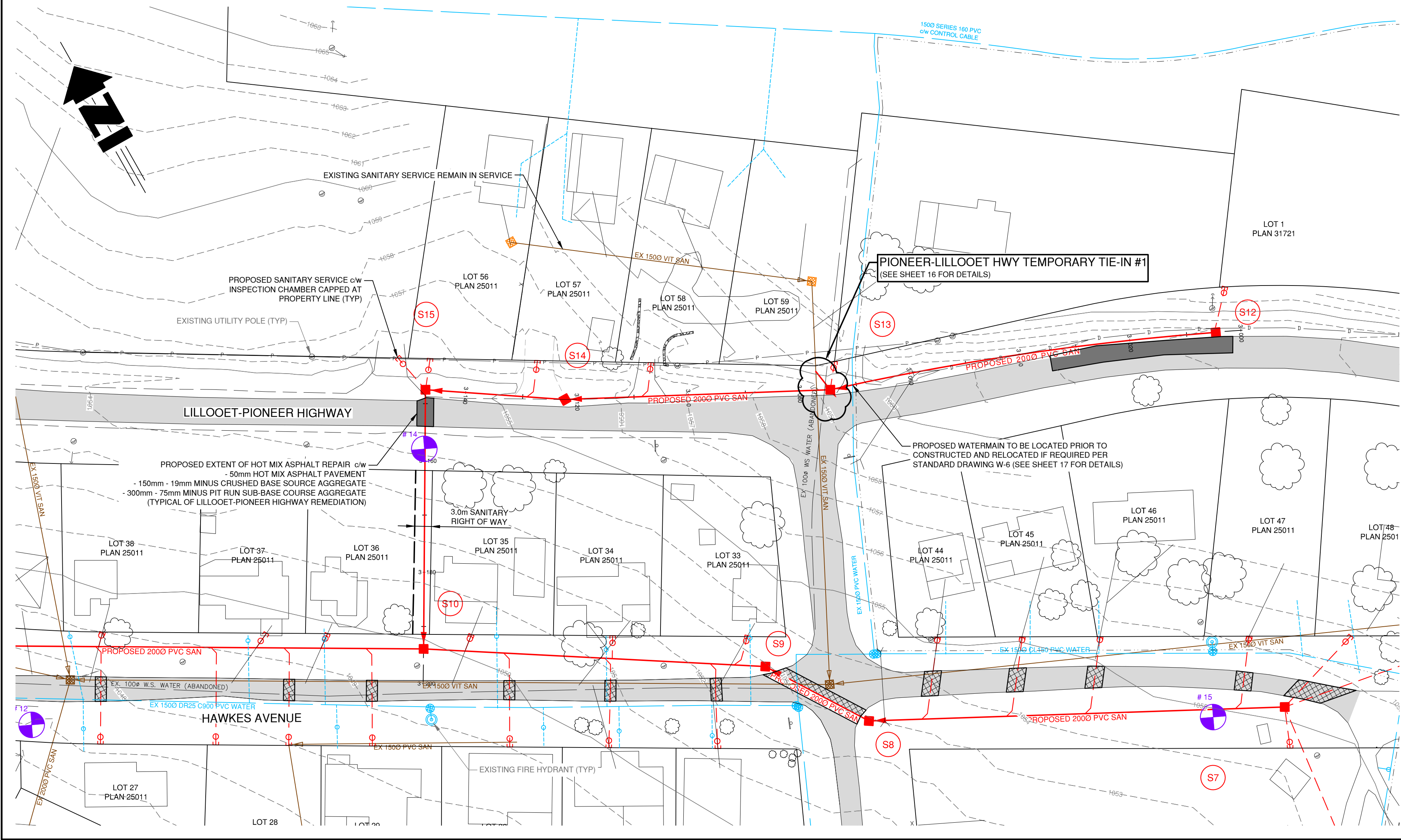
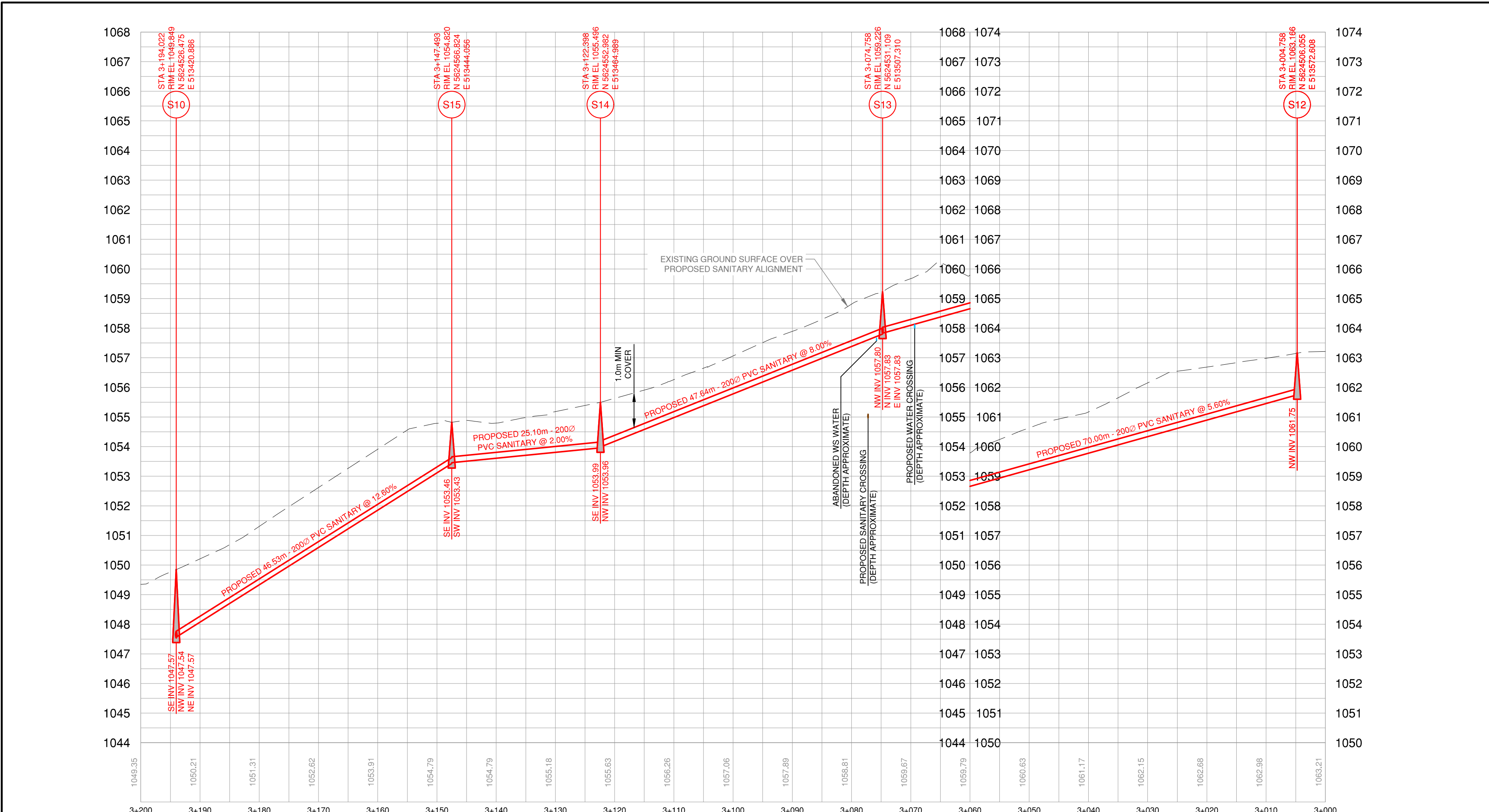
**HAWKES AVENUE**  
**PLAN & PROFILE**

SCALE	H - 1:500 V - 1:100
DESIGN BY	SU
DRAWN BY	SPC
DATE	July 2016
PROJECT REFERENCE No.	649-011
DRAWING No.	

SHEET	5 OF 18
REVISION	7

649-01505





ROAD RECONSTRUCTION	
	GRAVEL PATCHING
	COLD-MIX ASPHALT PATCHING
	HOT-MIX ASPHALT PATCHING

- NOTES:**
- ALL EXISTING SANITARY AND WATER MAINS SHOWN ARE FOR REFERENCE ONLY USING THE BEST DATA AVAILABLE. EXACT LOCATION AND DEPTH TO BE CONFIRMED WHERE REQUIRED DURING CONSTRUCTION.
  - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND EXPOSE EXISTING MAINS AT PROPOSED CROSSINGS PRIOR TO CONSTRUCTION.
  - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND EXPOSE EXISTING MAINS AND SERVICES AT PROPOSED TEMPORARY TIE-IN LOCATIONS PRIOR TO CONSTRUCTION.
  - EXISTING SANITARY SYSTEM TO REMAIN IN SERVICE UNTIL ALL SERVICES ON THAT SYSTEM HAVE BEEN SWITCHED TO THE NEW SANITARY SYSTEM UNLESS NOTED OTHERWISE.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SANITARY MAIN
		SANITARY MANHOLE
		SAN MANHOLE (ASSUMED)
		CLEANOUT
		LIFT STATION
		SEPTIC TANK
		STORM MAIN
		STORM DITCH
		CULVERT
		STORM MANHOLE
		CATCHBASIN
		STORM DRYWELL
		WATER MAIN
		WATER SERVICE
		CURB STOP
		VALVE
		STANDPIPE
		HYDRANT
		AIR RELEASE VALVE
		REDUCER
		SPRINKLER
		IRRIGATION BOX
		END CAP
		POWER
		TEL
		CABLE
		STREET LIGHT
		GAS
		POWER POLE
		LAMP STANDARD
		LIGHT POST
		POLE ANCHOR
		TEST PIT
		IRON PIN
		SURVEY CONTROL

No.	DATE	DESCRIPTION	BY	APP
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1	OCT 4/16	ISSUED FOR APPROVAL	SPC	SU

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**BRALORNE  
SANITARY SYSTEM  
UPGRADES**

**TOWNSITE #2**

**LILLOOET-PIONEER  
HIGHWAY TO  
HAWKES AVENUE  
PLAN & PROFILE**

SCALE	H - 1:500 V - 1:100
DESIGN BY	SU
DRAWN BY	SPC
DATE	July 2016
PROJECT REFERENCE No.	649-011
DRAWING No.	

649-01506

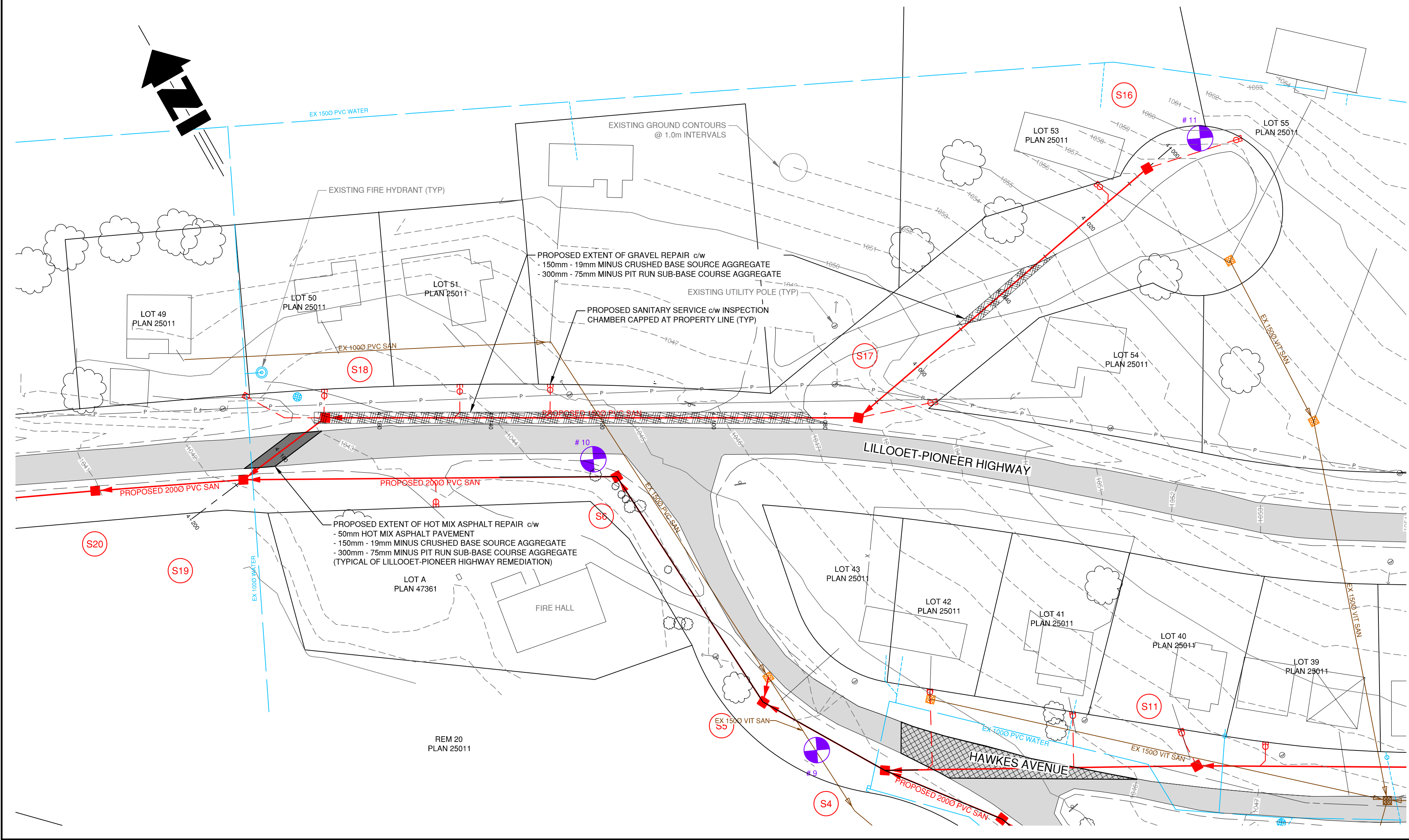
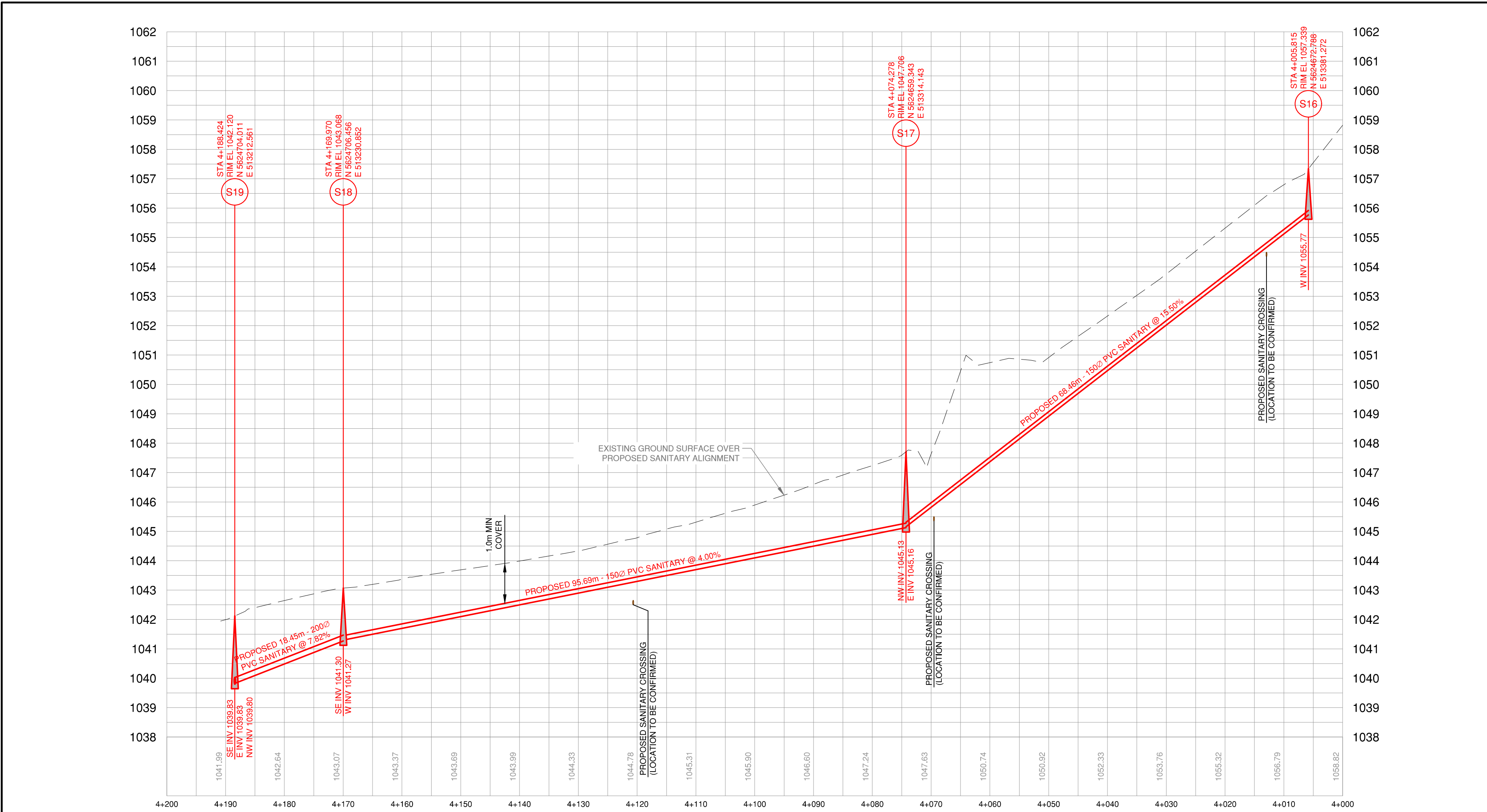
6 OF 18

7

REVISION

FILE: C:\Users\60506\Documents\649-011\2016 drawings\01101.dwg Drawing: 01101





LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SANITARY MAIN
		SANITARY MANHOLE
		SAN MANHOLE (ASSUMED)
		CLEANOUT
		LIFT STATION
		SEPTIC TANK
		STORM MAIN
		STORM DITCH
		STORM MANHOLE
		CATCHBASIN
		STORM DRYWELL
		WATER MAIN
		WATER SERVICE
		CURB STOP
		VALVE
		STANDPIPE
		HYDRANT
		AIR RELEASE VALVE
		REDUCER
		SPRINKLER
		IRRIGATION BOX
		END CAP
		POWER
		TEL
		CABLE
		STREET LIGHT
		GAS
		POWER POLE
		LAMP STANDARD
		LIGHT POST
		POLE ANCHOR
		TEST PIT
		IRON PIN
		SURVEY CONTROL

No.	DATE	DESCRIPTION	BY	APP
7	MAR 23/16	ISSUED FOR TENDER	SPC	SU
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1	OCT 4/16	ISSUED FOR APPROVAL	SPC	SU

ISSUES / REVISIONS

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BRALORNE  
SANITARY SYSTEM  
UPGRADES

TOWNSITE #2

ASTARA PLACE  
PLAN & PROFILE

SCALE	H - 1:500 V - 1:100
DESIGN BY	SU
DRAWN BY	SPC
DATE	July 2016
PROJECT REFERENCE No.	649-011
DRAWING No.	

SHEET	7 OF 18
REVISION	7

649-01507

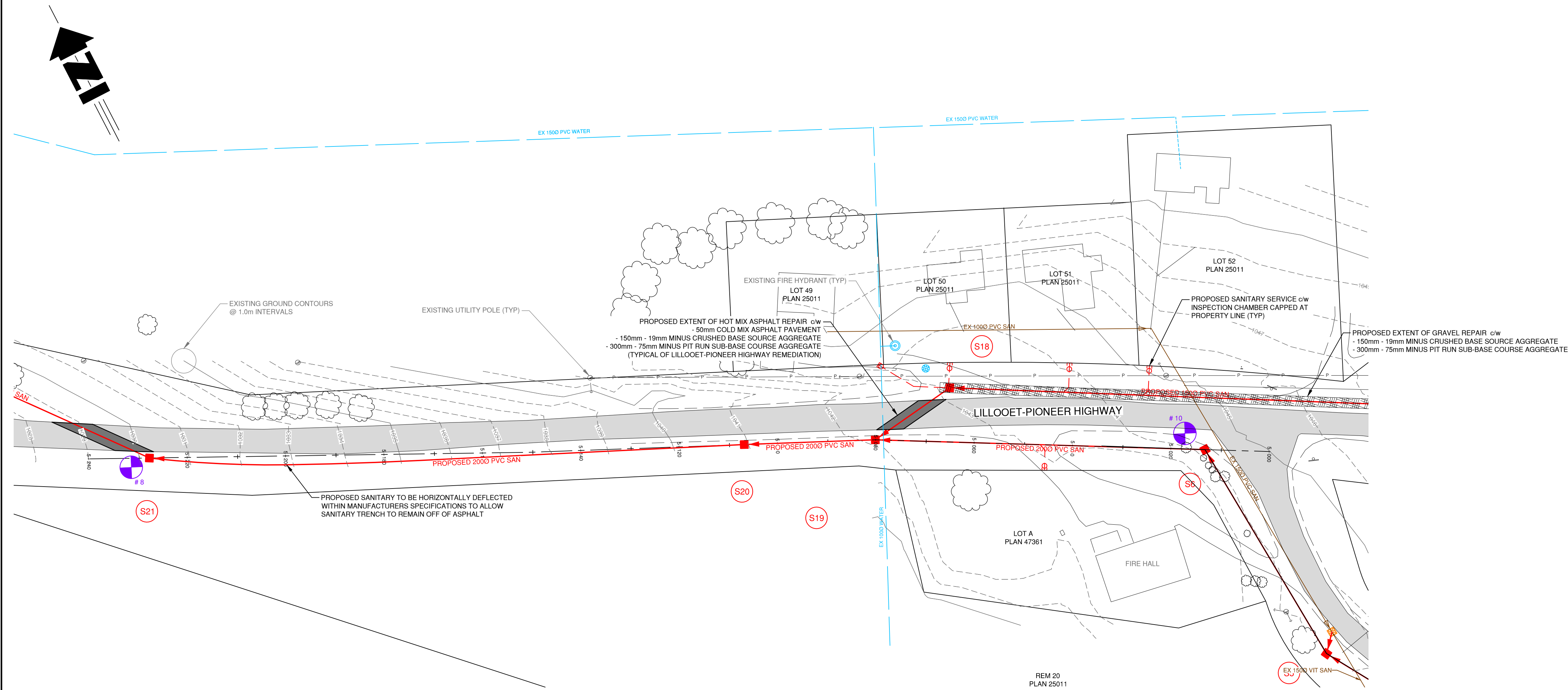
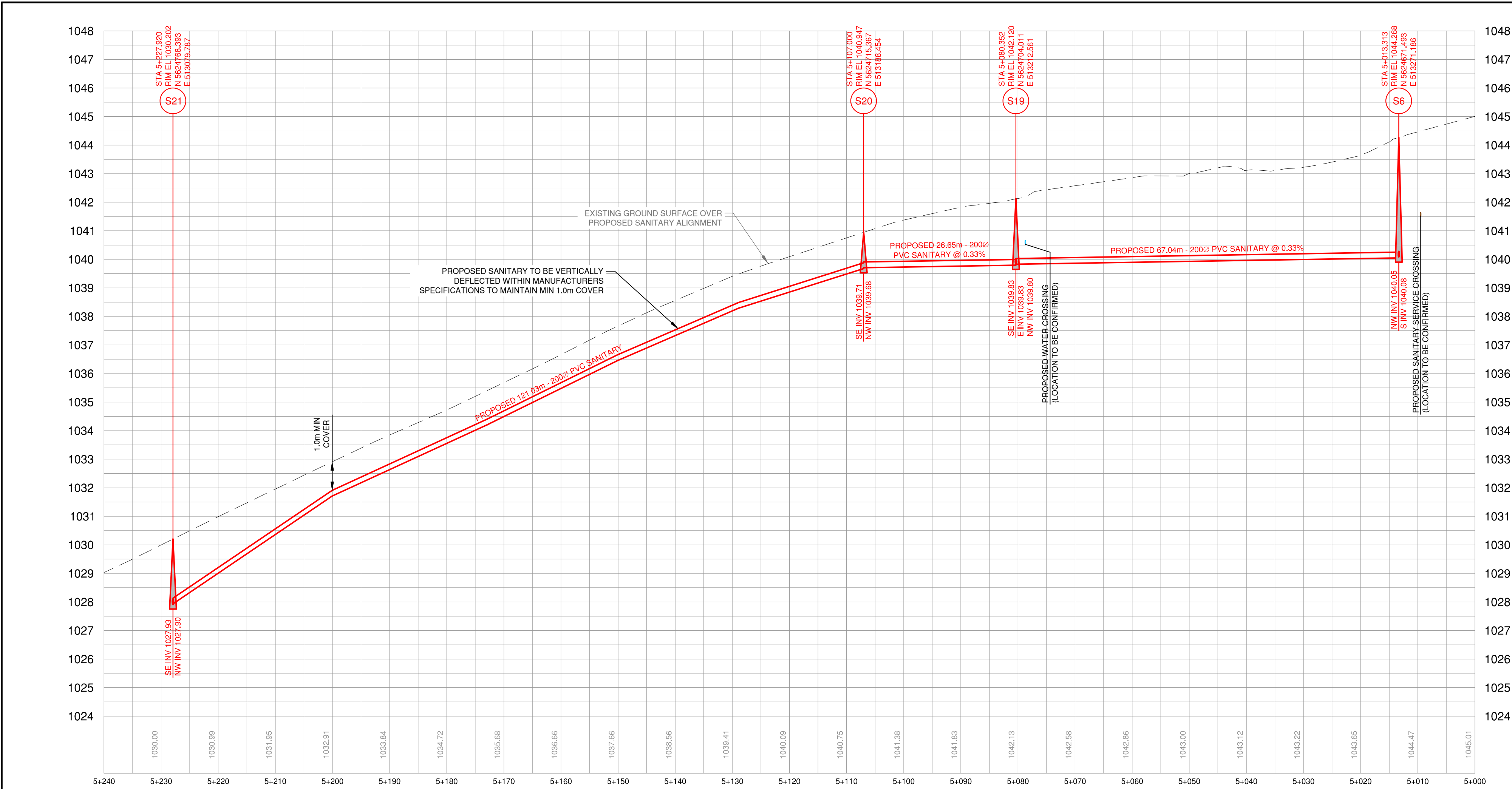
NOTES:

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2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND EXPOSE EXISTING MAINS AT PROPOSED CROSSINGS PRIOR TO CONSTRUCTION.

3. EXISTING SANITARY SYSTEM TO REMAIN IN SERVICE UNTIL ALL SERVICES ON THAT SYSTEM HAVE BEEN SWITCHED TO THE NEW SANITARY SYSTEM UNLESS NOTED OTHERWISE.





LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SANITARY MAIN
		SANITARY MANHOLE
		SAN MANHOLE (ASSUMED)
		CLEANOUT
		LIFT STATION
		SEPTIC TANK
		STORM MAIN
		STORM DITCH
		CULVERT
		STORM MANHOLE
		CATCHBASIN
		STORM DRYWELL
		WATER MAIN
		WATER SERVICE
		CURB STOP
		VALVE
		STANDPIPE
		HYDRANT
		AIR RELEASE VALVE
		REDUCER
		SPRINKLER
		IRRIGATION BOX
		END CAP
		POWER
		TEL
		CABLE
		STREET LIGHT
		GAS
		POWER POLE
		LAMP STANDARD
		LIGHT POST
		POLE ANCHOR
		TEST PIT
		IRON PIN
		SURVEY CONTROL

No.	DATE	DESCRIPTION	BY	APP
6	MAR 23/16	ISSUED FOR TENDER	SPC	SU
5	MAR 14/16	ISSUED FOR APPROVAL	SPC	SU
4	JAN 24/16	ISSUED FOR CLIENT REVIEW	SPC	SU
3	AUG 18/17	ISSUED FOR M&T REVIEW	SPC	SU
2	NOV 21/16	ISSUED FOR PERMIT	SPC	SU
1	OCT 4/16	ISSUED FOR APPROVAL	SPC	SU

ISSUES / REVISIONS

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**BRALORNE**

**SANITARY SYSTEM**

**UPGRADES**

**TOWNSITE #2**

**LILLOOET-PIONEER**

**HIGHWAY TO**

**MARMOT**

**CRESCENT**

**PLAN & PROFILE**

SCALE	H - 1:500 V - 1:100
DESIGN BY	SU
DRAWN BY	SPC
DATE	July 2016
PROJECT REFERENCE No.	649-011
DRAWING No.	

SHEET	8 OF 18
REVISION	6

**649-01508**

NOTES:

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ROAD RECONSTRUCTION

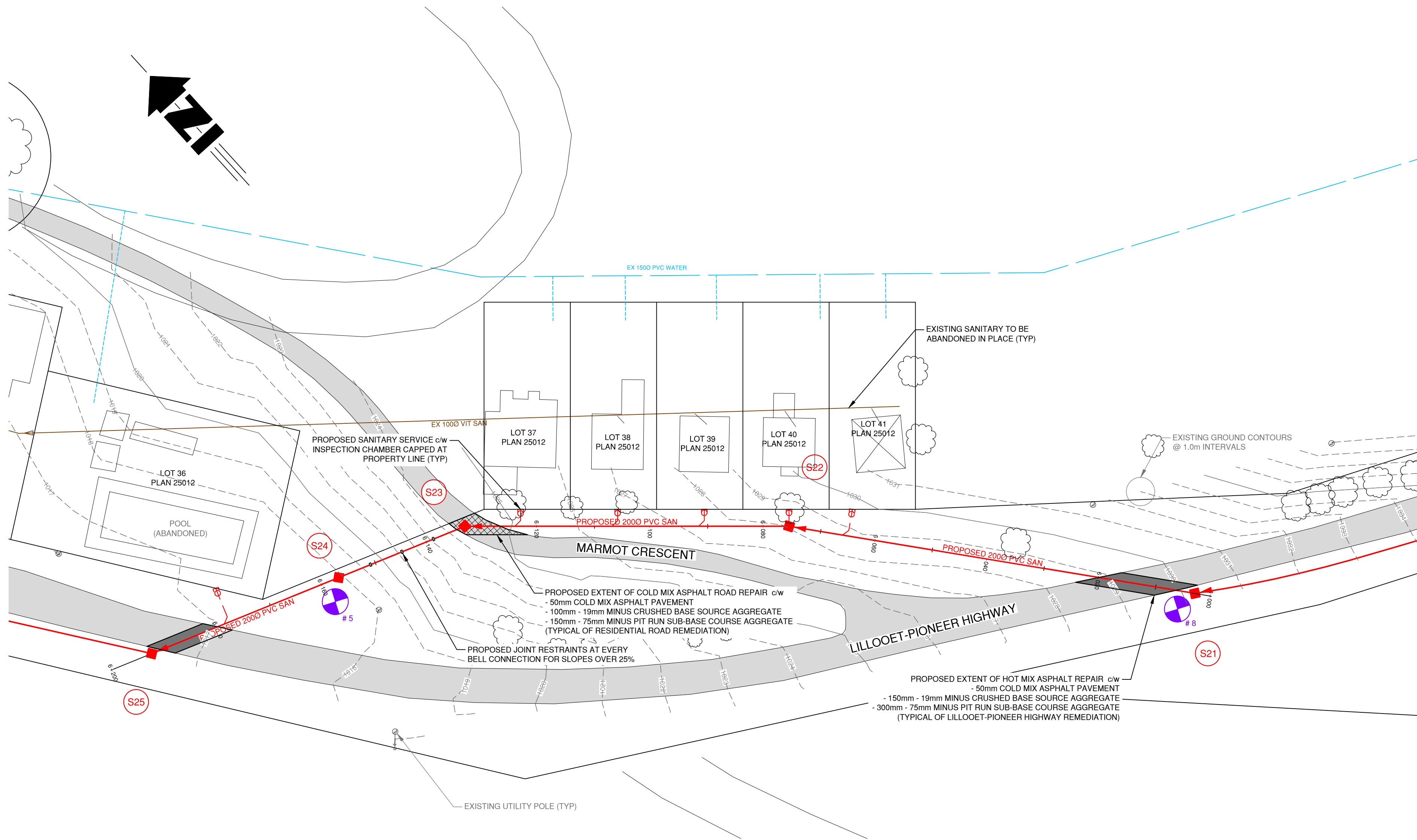
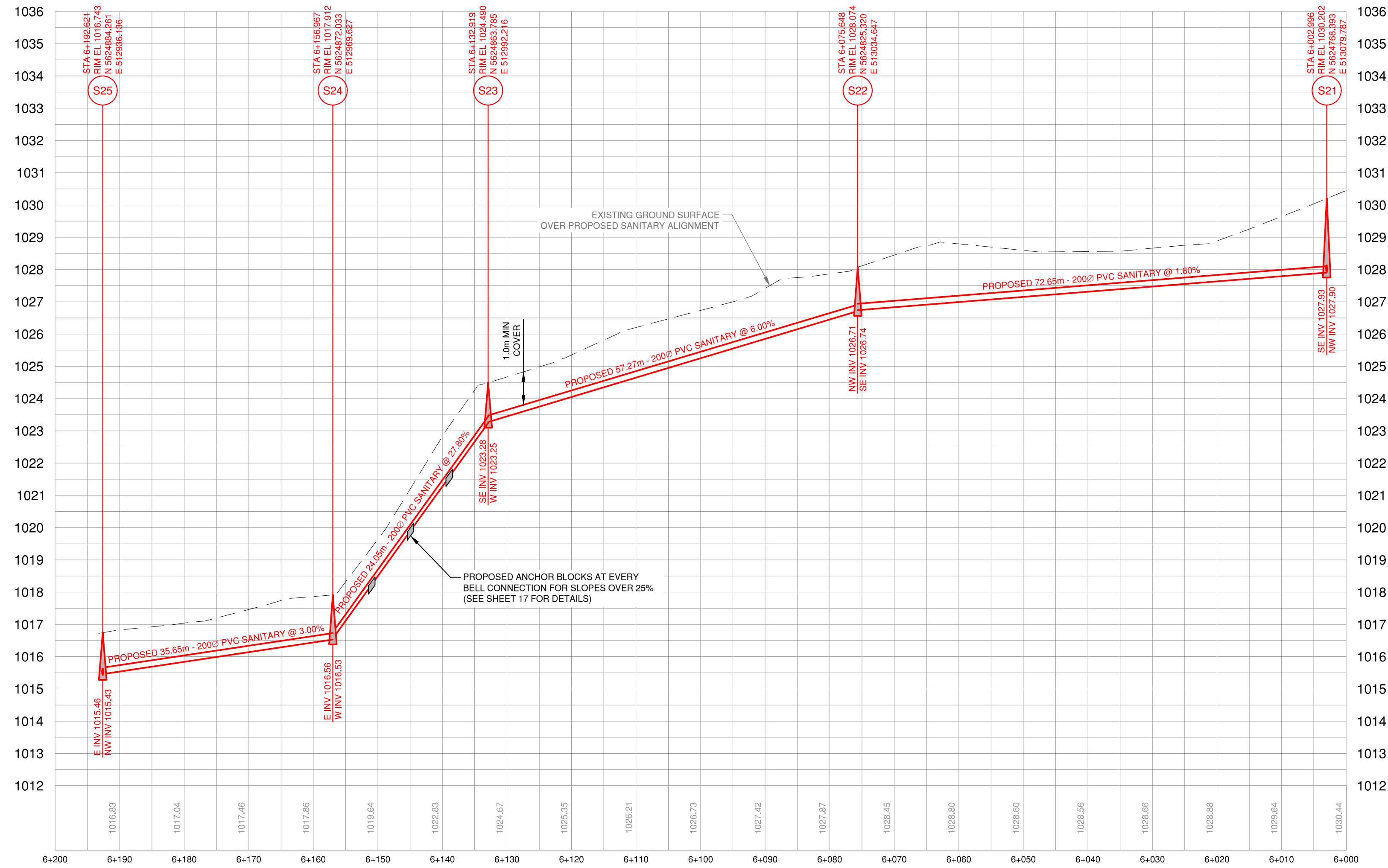
GRAVEL PATCHING

COLD-MIX ASPHALT PATCHING

HOT-MIX ASPHALT PATCHING

REM 20  
PLAN 25011





ROAD RECONSTRUCTION	
	GRAVEL PATCHING
	COLD-MIX ASPHALT PATCHING
	HOT-MIX ASPHALT PATCHING

#### NOTES:

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LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SANITARY MAIN
		SANITARY FORCEMAIN
		SAN MANHOLE (ASSUMED)
		CLEANOUT
		LIFT STATION
		SEPTIC TANK
		STORM MAIN
		STORM DITCH
		CULVERT
		STORM MANHOLE
		CATCHBASIN
		STORM DRYWELL
		WATER MAIN
		WATER SERVICE
		CURB STOP
		VALVE
		STANDPIPE
		HYDRANT
		AIR RELEASE VALVE
		REDUCER
		SPRINKLER
		IRRIGATION BOX
		END CAP
		POWER
		TEL
		CABLE
		STREET LIGHT
		GAS
		POWER POLE
		LAMP STANDARD
		LIGHT POST
		POLE ANCHOR
		TEST PIT
		IRON PIN
		SURVEY CONTROL

No.	DATE	DESCRIPTION	BY	APPD
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2	NOV 21/16	ISSUED FOR PERMIT	SPC	SU
1	OCT 4/16	ISSUED FOR APPROVAL	SPC	SU

ISSUES / REVISIONS

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**BRALORNE  
SANITARY SYSTEM  
UPGRADES**

**TOWNSITE #1**

**MARMOT  
CRESCENT  
PLAN & PROFILE**

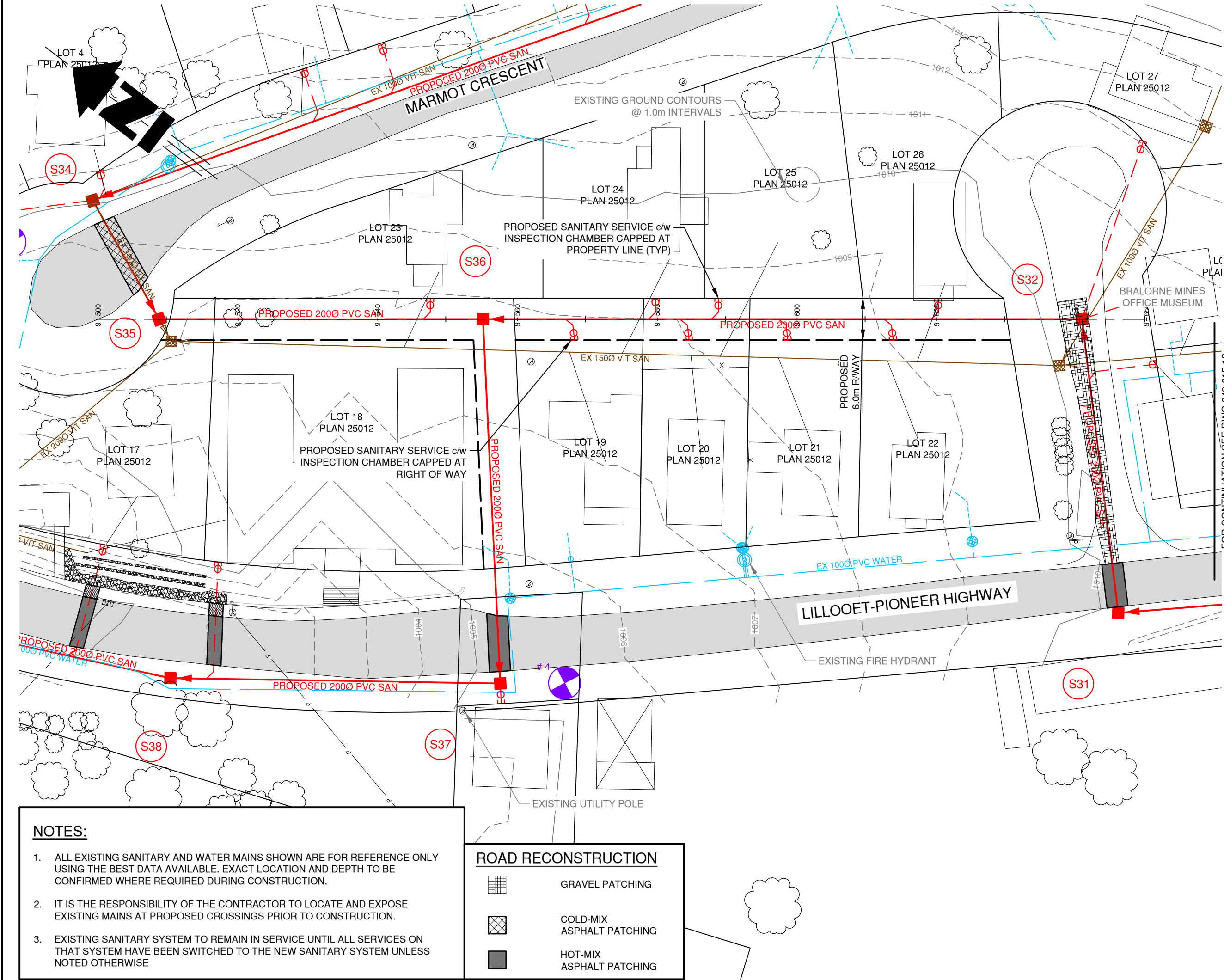
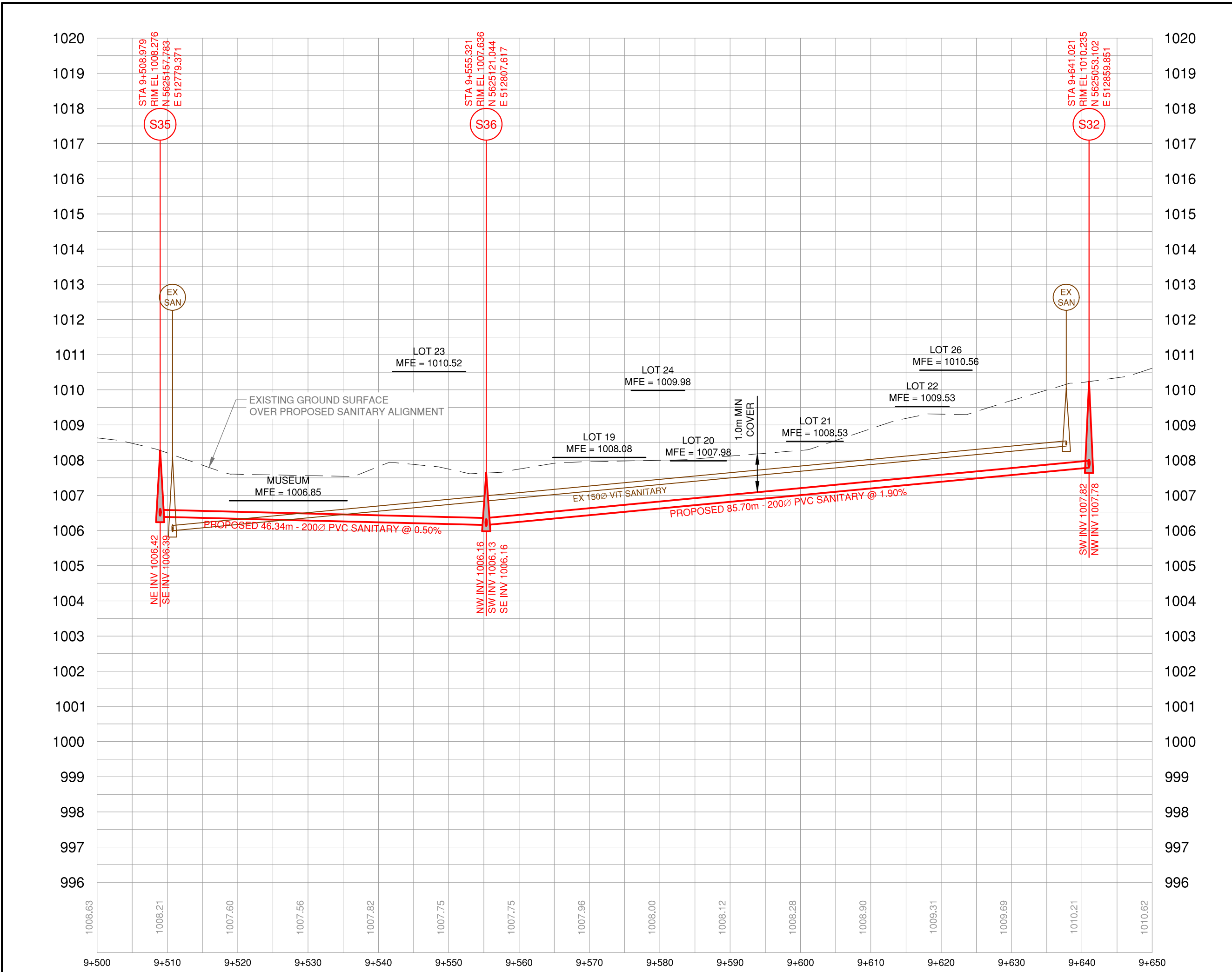
SCALE	H - 1:500 V - 1:100
DESIGN BY	SU
DRAWN BY	SPC
DATE	July 2016
PROJECT REFERENCE No.	649-011
DRAWING No.	649-011

SHEET	9 OF 18
REVISION	7

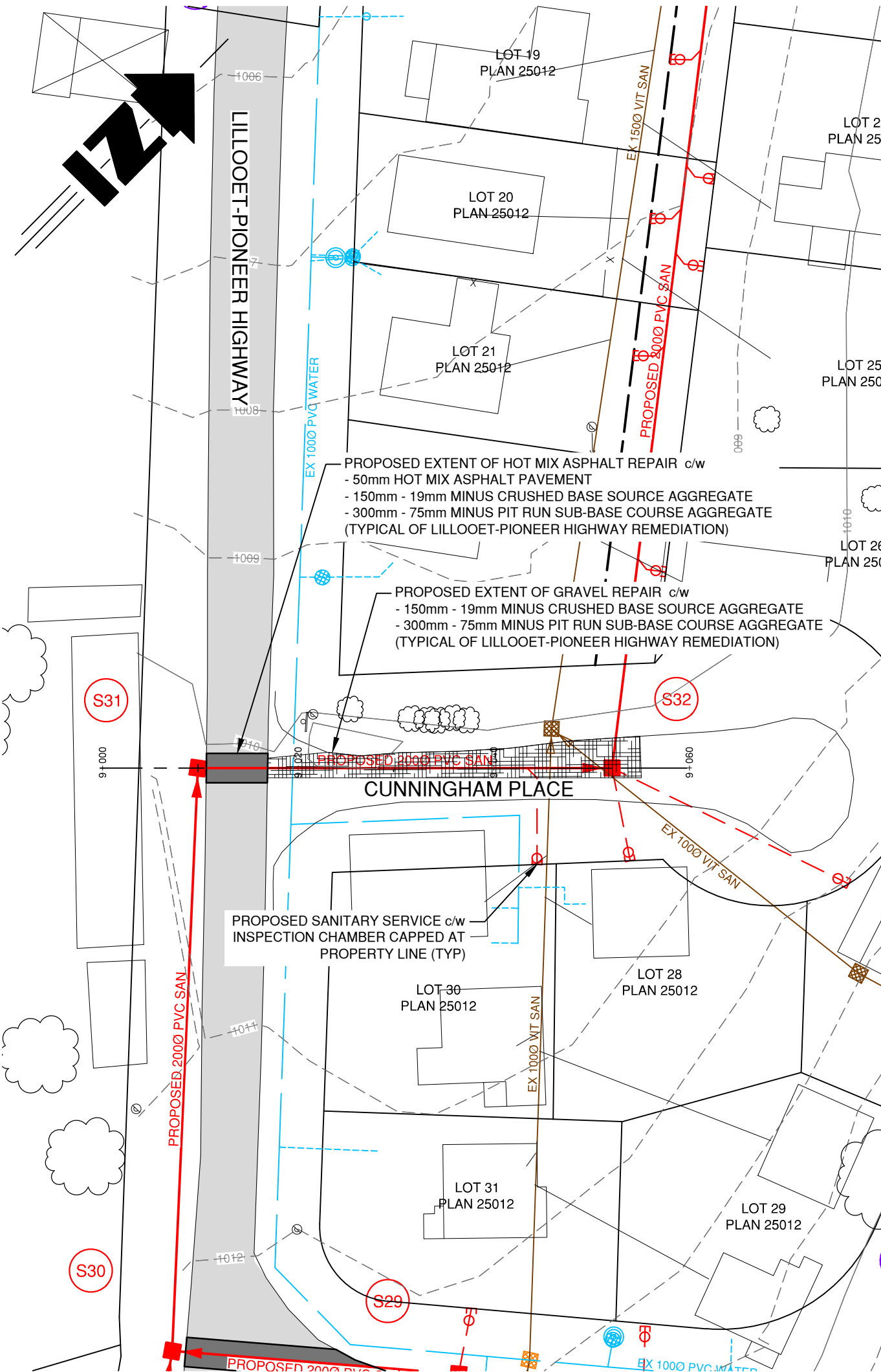
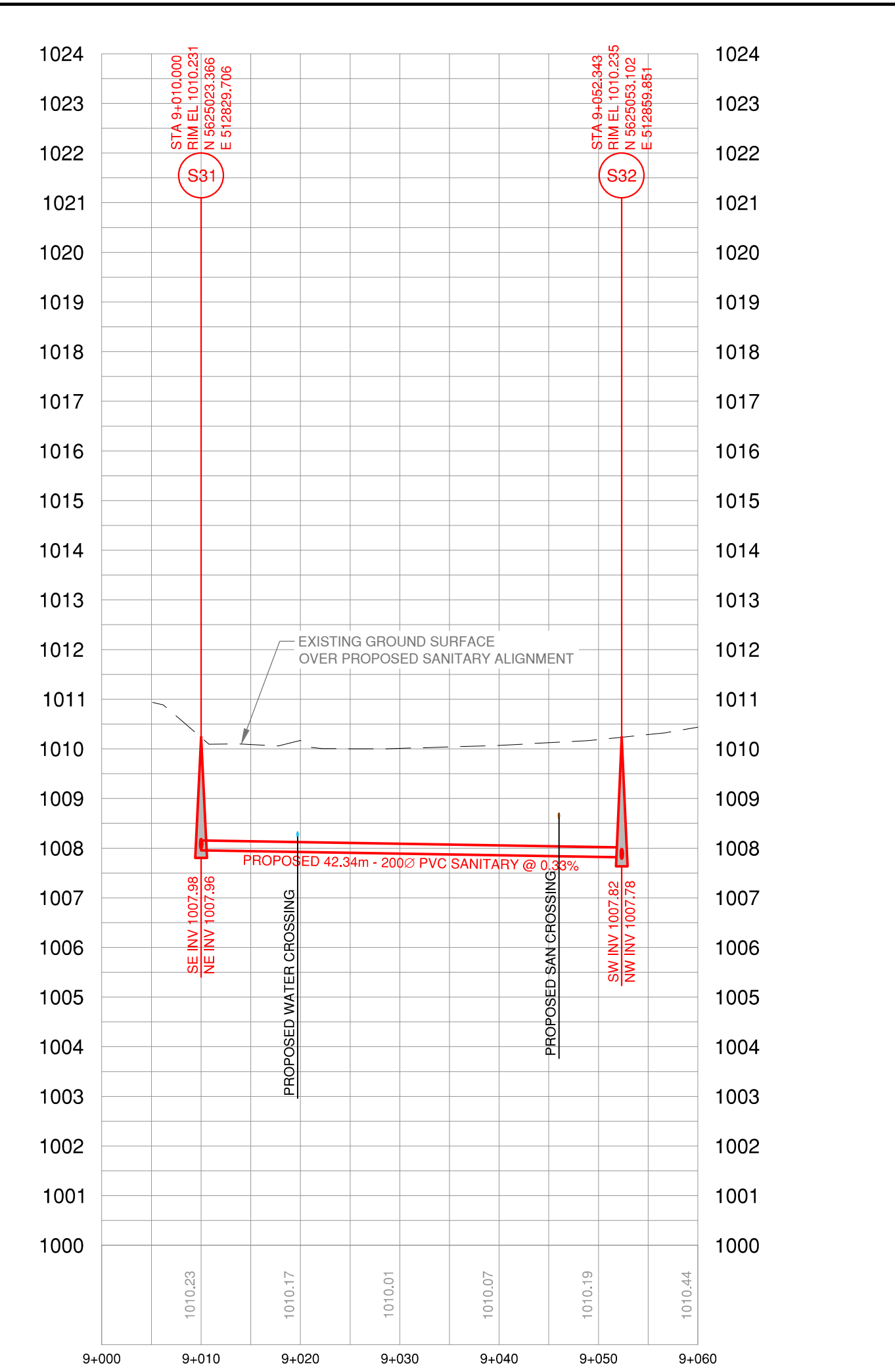




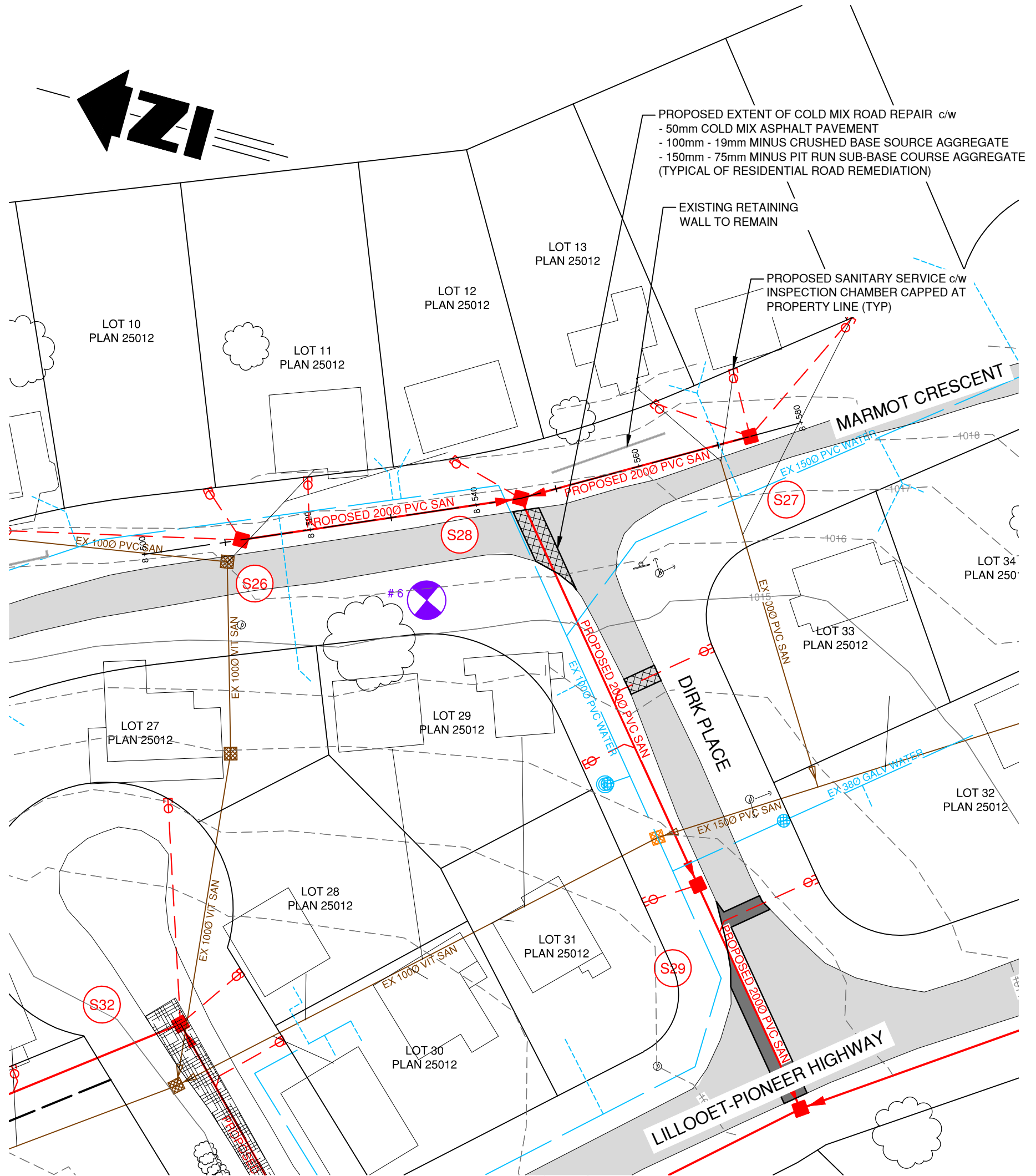
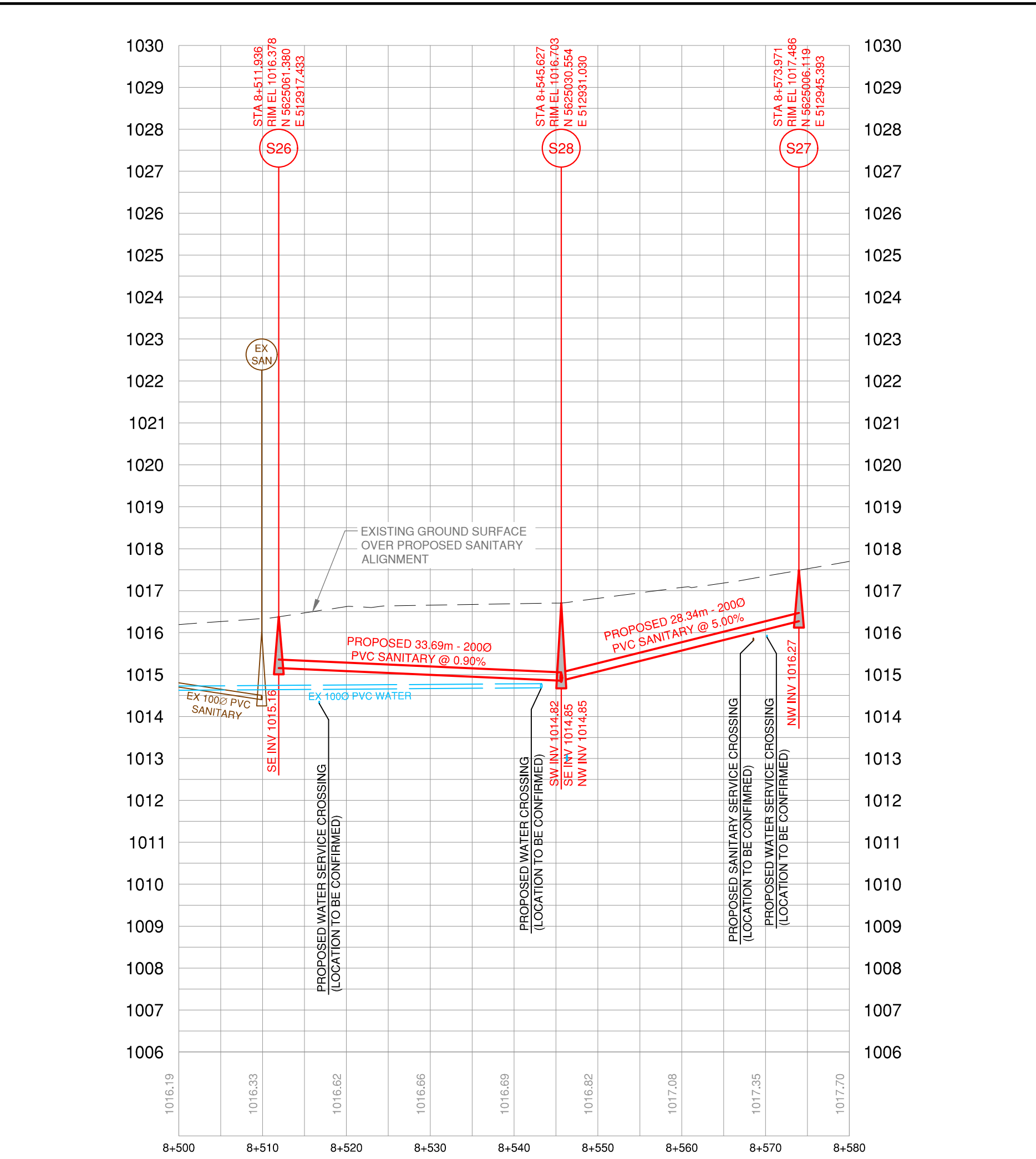




**RIGHT OF WAY - MARMOT TO CUNNINGHAM**  
H - 1:500  
V - 1:100



**CUNNINGHAM PLACE**  
H - 1:500  
V - 1:100



**MARMOT CRESCENT**  
H - 1:500  
V - 1:100

**LEGEND**

EXISTING	PROPOSED	DESCRIPTION
		SANITARY MAIN
		SANITARY FORCEMAIN
		SAN MANHOLE (ASSUMED)
		CLEANOUT
		LIFT STATION
		SEPTIC TANK
		STORM MAIN
		STORM DITCH
		CULVERT
		STORM MANHOLE
		CATCHBASIN
		STORM DRYWELL
		WATER MAIN
		CURB STOP
		VALVE
		STANDPIPE
		HYDRANT
		AIR RELEASE VALVE
		REDUCER
		SPRINKLER
		IRRIGATION BOX
		END CAP
		POWER
		TEL
		CABLE
		STREET LIGHT
		GAS
		POWER POLE
		LAMP STANDARD
		LIGHT POST
		POLE ANCHOR
		TEST PIT
		IRON PIN
		SURVEY CONTROL

No.	DATE	DESCRIPTION	BY	APPD
7	MAR 23/18	ISSUED FOR TENDER	SPC	SU
6	MAR 14/18	ISSUED FOR APPROVAL	SPC	SU
5	JAN 24/18	ISSUED FOR CLIENT REVIEW	SPC	SU
4	OCT 19/17	ISSUED FOR M&T APPROVAL	SPC	SU
3	AUG 18/17	ISSUED FOR M&T REVIEW	SPC	SU
2	NOV 21/16	ISSUED FOR PERMIT	SPC	SU
1	OCT 4/16	ISSUED FOR APPROVAL	SPC	SU

**ISSUES / REVISIONS**

No.	DATE	DESCRIPTION	BY	APPD
7	MAR 23/18	ISSUED FOR TENDER	SPC	SU
6	MAR 14/18	ISSUED FOR APPROVAL	SPC	SU
5	JAN 24/18	ISSUED FOR CLIENT REVIEW	SPC	SU
4	OCT 19/17	ISSUED FOR M&T APPROVAL	SPC	SU
3	AUG 18/17	ISSUED FOR M&T REVIEW	SPC	SU
2	NOV 21/16	ISSUED FOR PERMIT	SPC	SU
1	OCT 4/16	ISSUED FOR APPROVAL	SPC	SU

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**TRUE CONSULTING**

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tel 250.828.0881 ■ fax 250.828.0717  
info@TRUE.bc.ca

**SQUAMISH - LILLOOET REGIONAL DISTRICT**

**BRALORNE SANITARY SYSTEM UPGRADES**

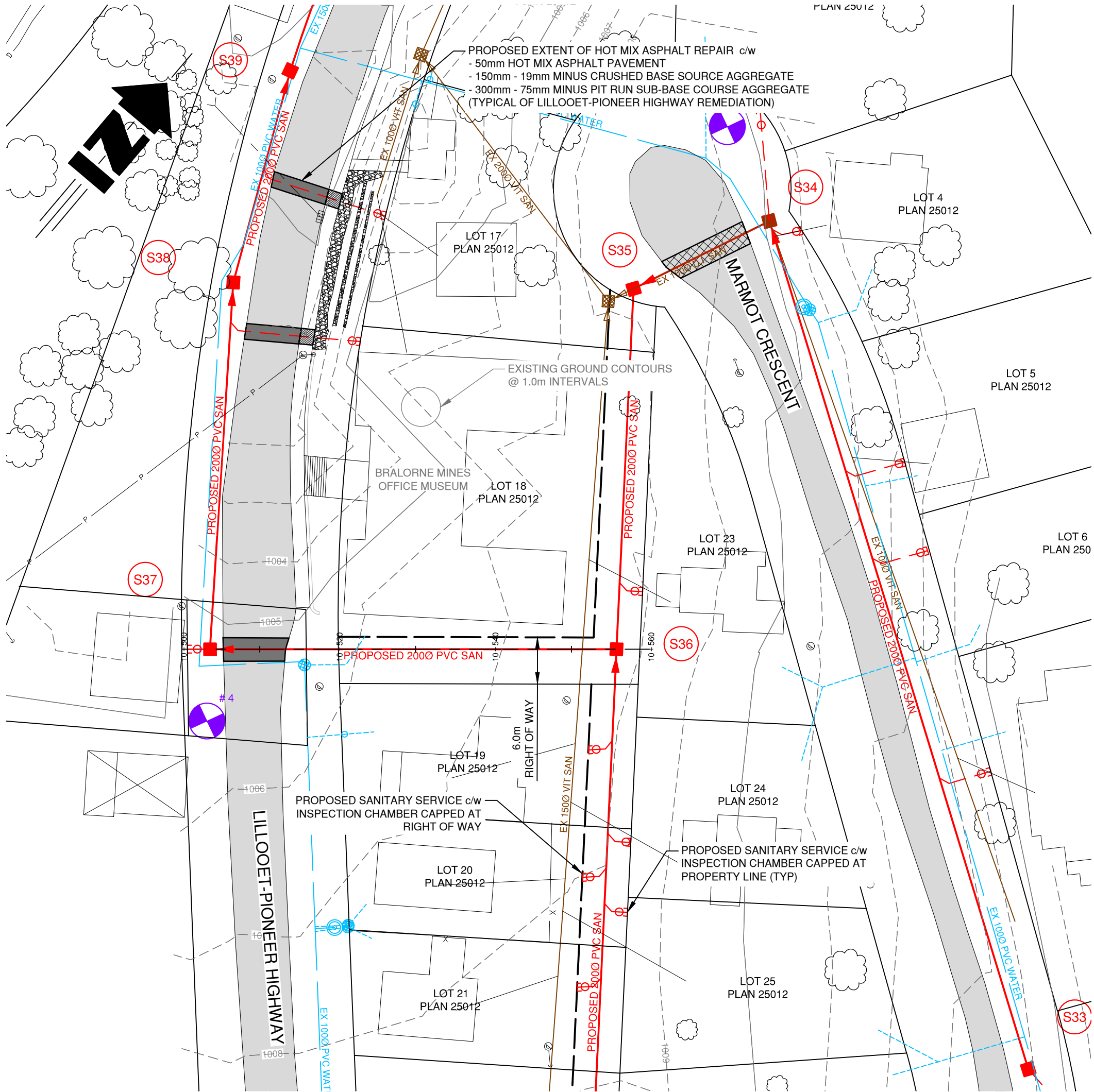
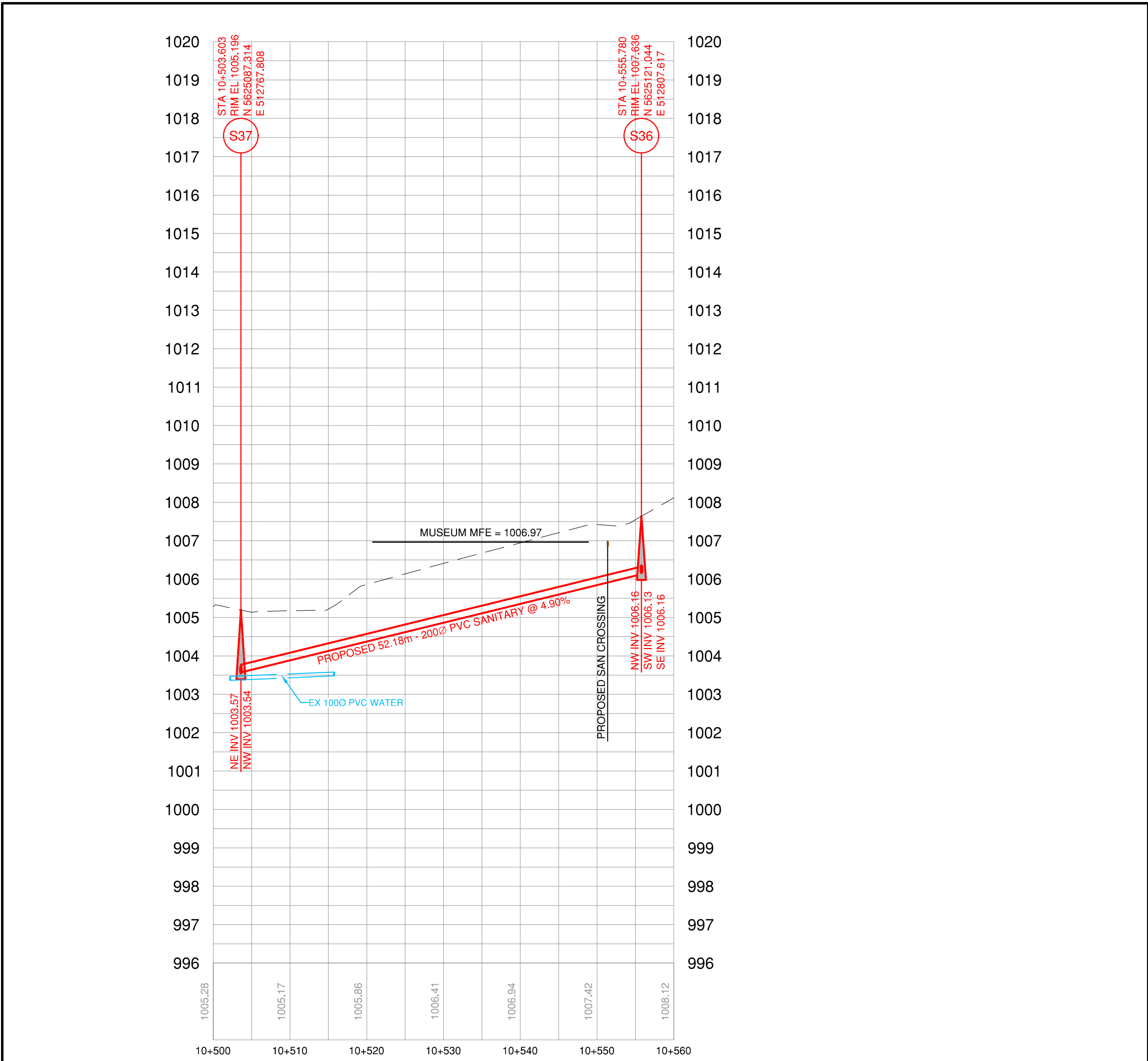
**TOWNSITE #1**

**MARMOT CRESCENT TO DIRK PLACE, CUNNINGHAM PLACE AND CUNNINGHAM TO MARMOT RIGHT OF WAY PLANS & PROFILES**

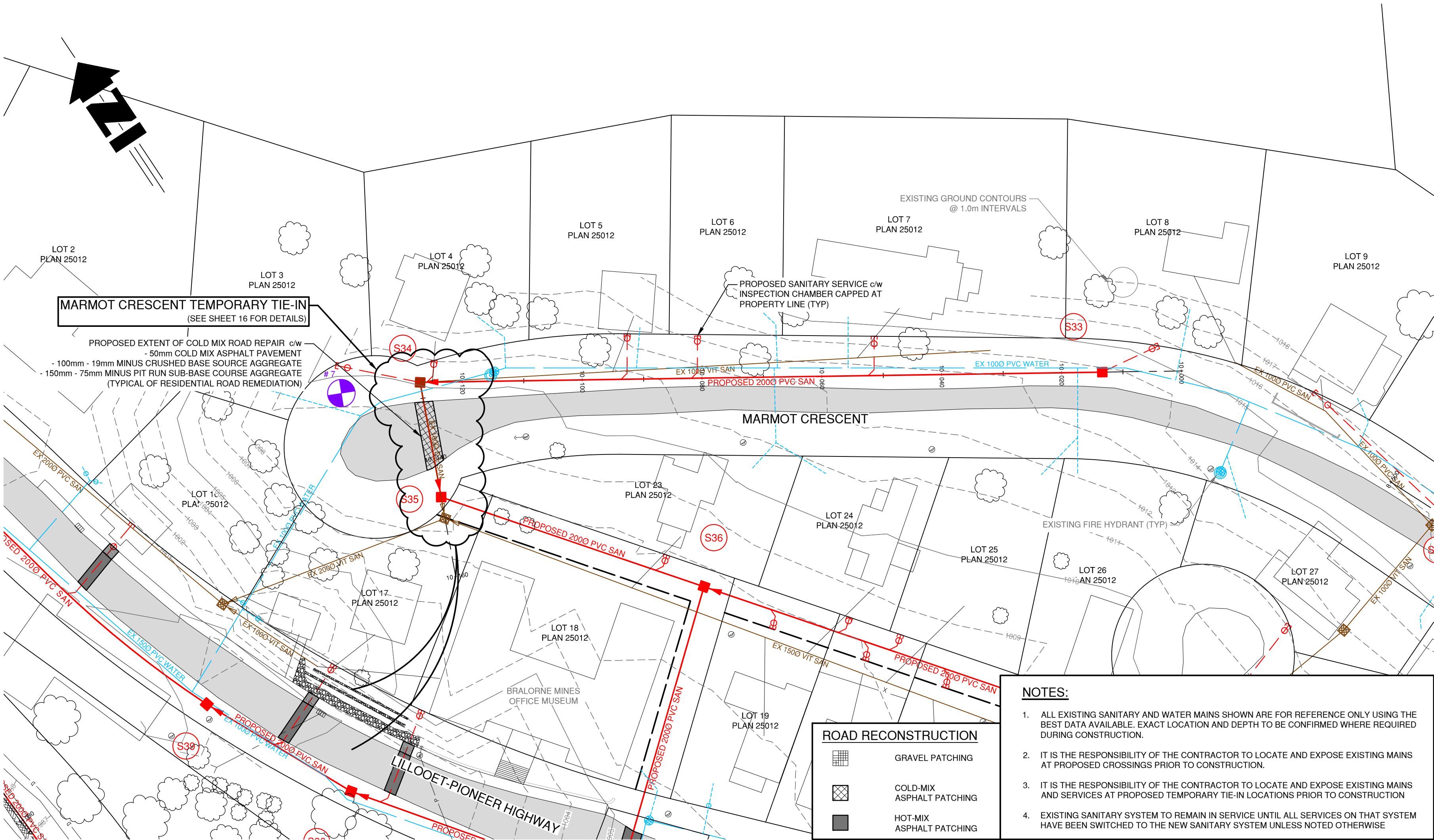
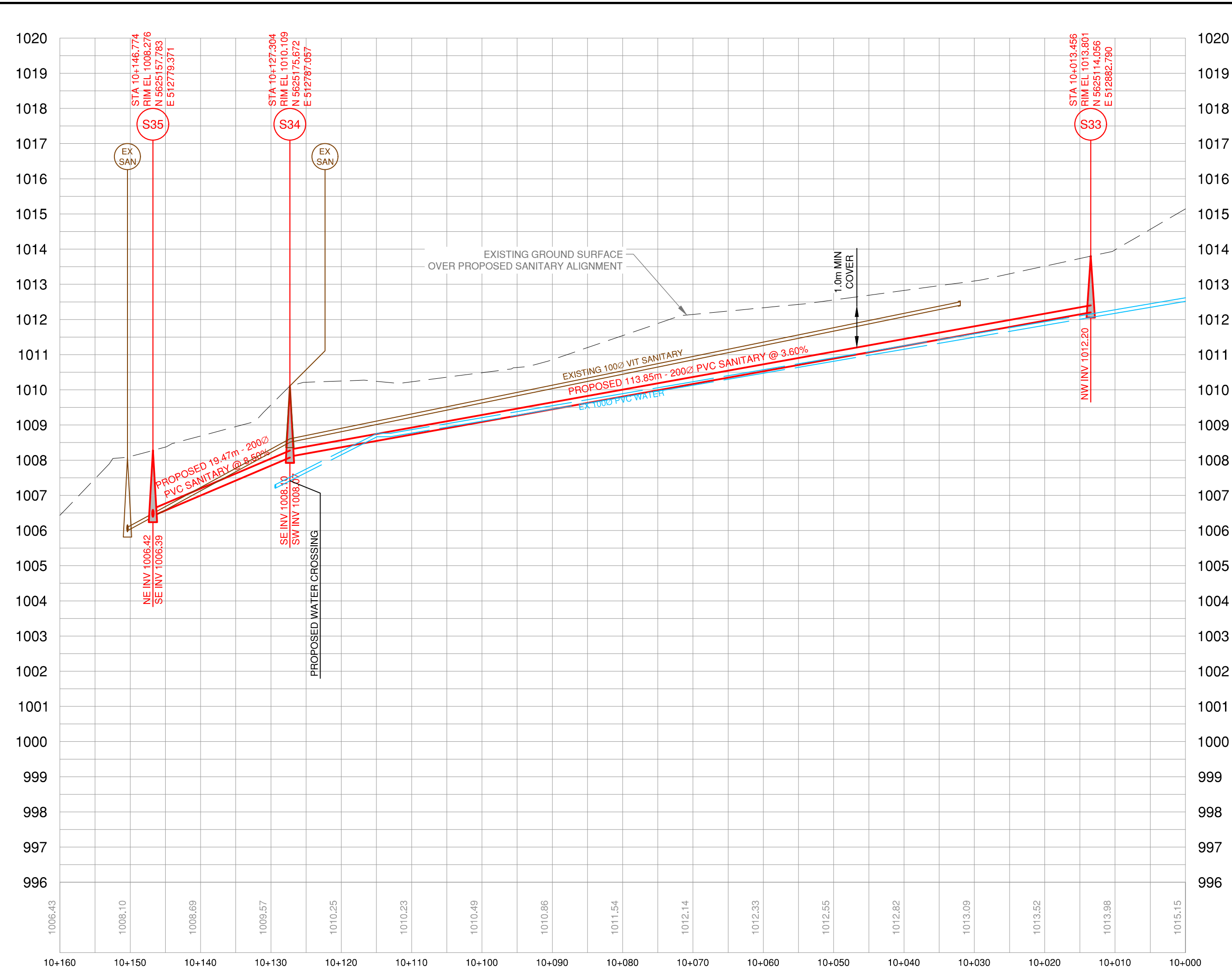
SCALE	AS NOTED
DESIGN BY	SU
DRAWN BY	SPC
DATE	July 2016
PROJECT REFERENCE No.	649-011
DRAWING No.	
SHEET	11 OF 18
REVISION	7

**649-01511**





**RIGHT OF WAY - MUSEUM**  
H - 1:500  
V - 1:100



**MARMOT CRESCENT**  
H - 1:500  
V - 1:100

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SANITARY MAIN
		SANITARY MANHOLE
		SAN MANHOLE (ASSUMED)
		LIFT STATION
		SEPTIC TANK
		STORM MAIN
		STORM DITCH
		STORM MANHOLE
		CATCHBASIN
		STORM DRYWELL
		WATER MAIN
		WATER SERVICE
		CURB STOP
		VALVE
		STANDPIPE
		HYDRANT
		AIR RELEASE VALVE
		REDUCER
		SPRINKLER
		IRRIGATION BOX
		END CAP
		POWER
		TEL
		CABLE
		STREET LIGHT
		GAS
		POWER POLE
		LAMP STANDARD
		LIGHT POST
		POLE ANCHOR
		TEST PIT
		IRON PIN
		SURVEY CONTROL

No.	DATE	DESCRIPTION	BY	APPD
7	MAR 23/18	ISSUED FOR TENDER	SPC	SU
6	MAR 14/18	ISSUED FOR APPROVAL	SPC	SU
5	JAN 24/18	ISSUED FOR CLIENT REVIEW	SPC	SU
4	OCT 19/17	ISSUED FOR M&T APPROVAL	SPC	SU
3	AUG 18/17	ISSUED FOR M&T REVIEW	SPC	SU
2	NOV 21/16	ISSUED FOR PERMIT	SPC	SU
1	OCT 4/16	ISSUED FOR APPROVAL	SPC	SU

ISSUES / REVISIONS

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**BRALORNE  
SANITARY SYSTEM  
UPGRADES**

**TOWNSITE #1**

**MARMOT  
CRESCENT  
AND RIGHT OF  
WAY TO  
PIONEER-LILLOOET  
HIGHWAY  
PLANS & PROFILES**

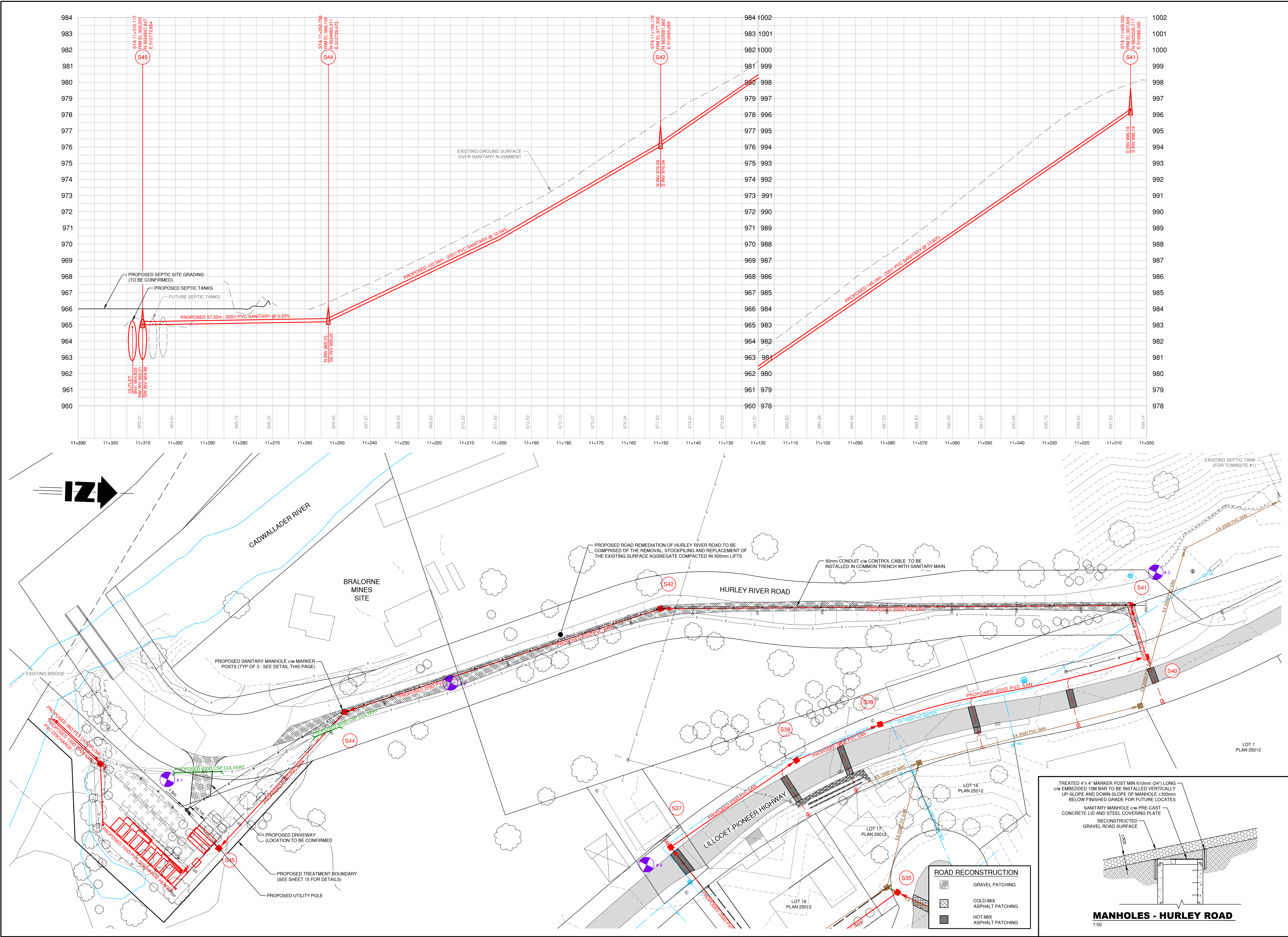
SCALE	AS NOTED
DESIGN BY	SU
DRAWN BY	SPC
DATE	July 2016
PROJECT REFERENCE No.	649-011
DRAWING No.	

SHEET	12 OF 18
REVISION	7









No.	DATE	DESCRIPTION	BY	APPD
1	OCT 4/16	ISSUED FOR APPROVAL	SPC	SU
2	NOV 21/16	ISSUED FOR PERMIT	SPC	SU
3	AUG 18/17	ISSUED FOR M&T REVIEW	SPC	SU
4	OCT 19/17	ISSUED FOR M&T APPROVAL	SPC	SU
5	JAN 24/18	ISSUED FOR CLIENT REVIEW	SPC	SU
6	MAR 2/18	ISSUED FOR CLIENT REVIEW	SPC	SU
7	MAR 14/18	ISSUED FOR APPROVAL	SPC	SU
8	MAR 23/18	ISSUED FOR TENDER	SPC	SU

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**SQUAMISH - LILLOOET REGIONAL DISTRICT**

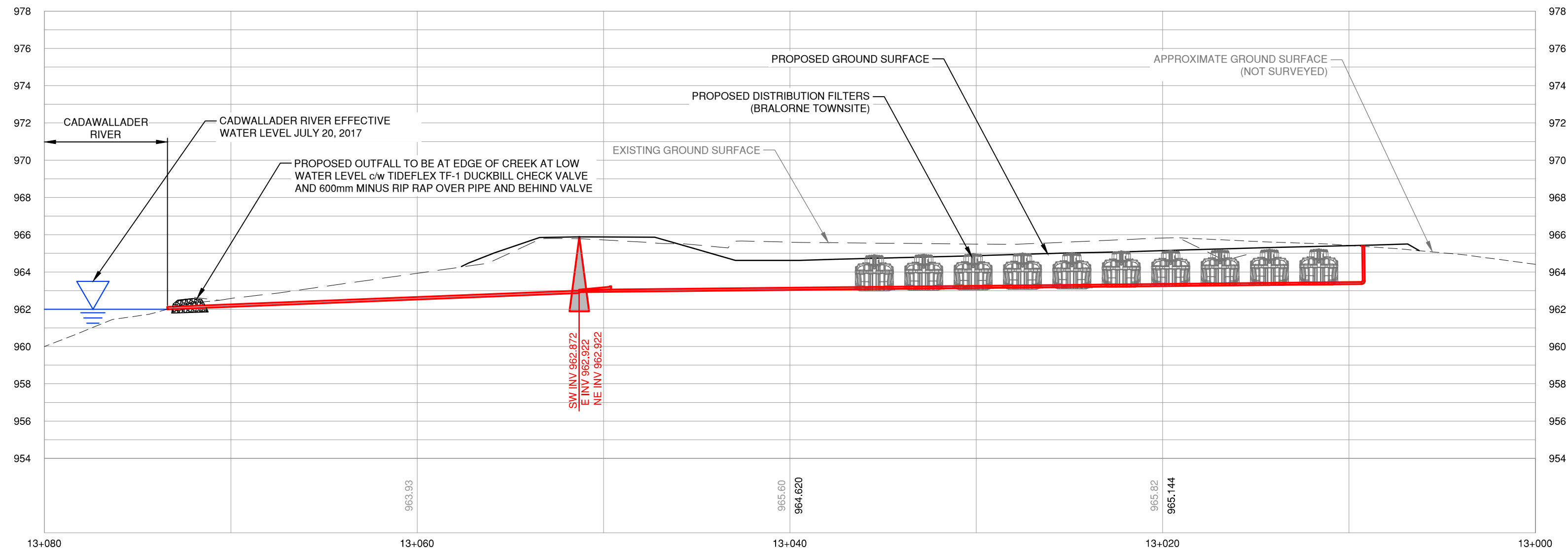
**BRALORNE SANITARY SYSTEM UPGRADES**

**TOWNSITE #1**

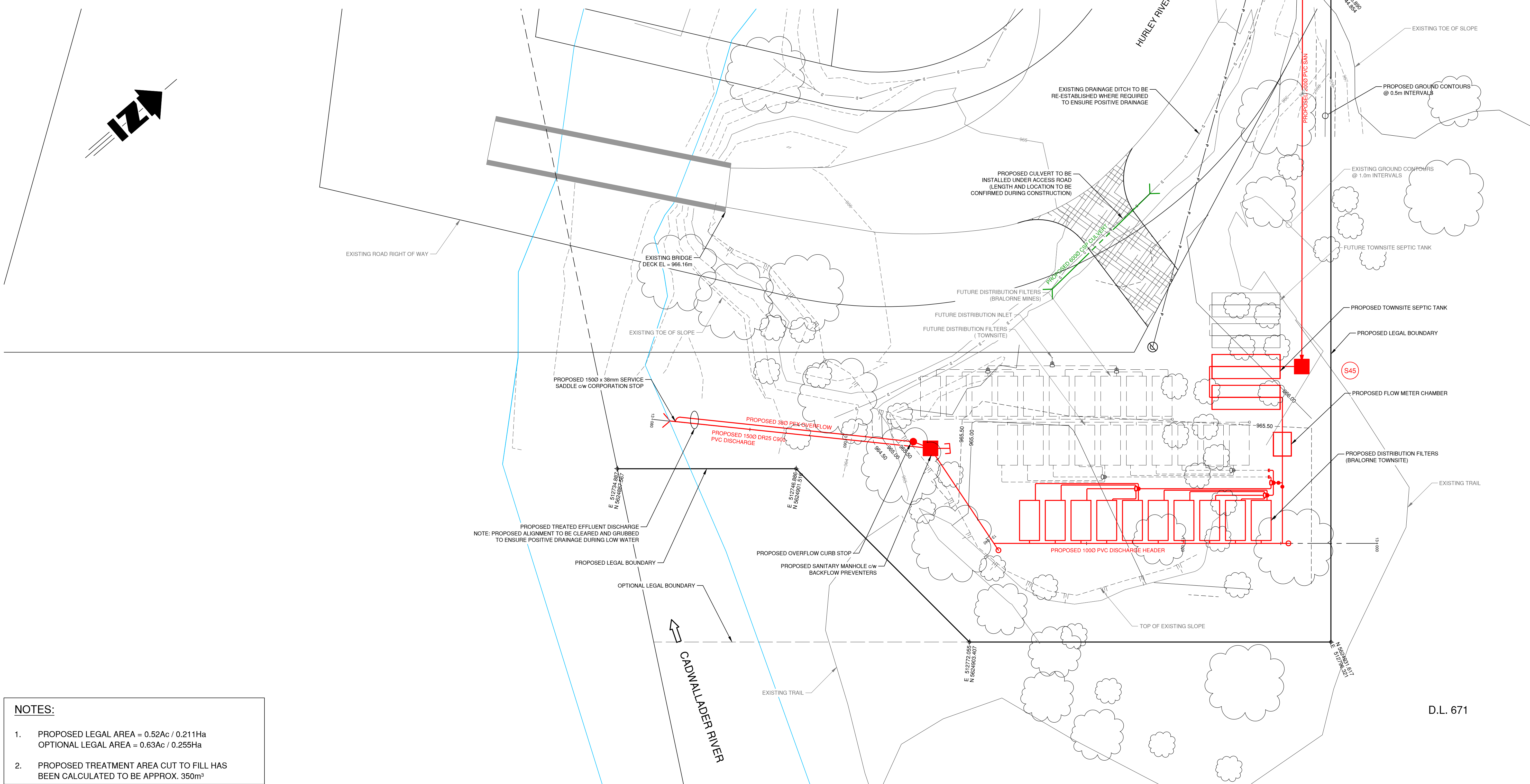
**HURLEY RIVER ROAD PLAN & PROFILE**

SCALE	H - 1:500 V - 1:100
DESIGN BY	SU
DRAWN BY	SPC
DATE	July 2016
PROJECT REFERENCE No.	649-011
DRAWING No.	649-015
SHEET	14 OF 18
REVISION	8





D.L. 670  
(BRALORNE MINES)



**NOTES:**

- PROPOSED LEGAL AREA = 0.52Ac / 0.211Ha  
OPTIONAL LEGAL AREA = 0.63Ac / 0.255Ha
- PROPOSED TREATMENT AREA CUT TO FILL HAS BEEN CALCULATED TO BE APPROX. 350m³

No.	DATE	DESCRIPTION	BY	APPROVED
5	MAR 23/16	ISSUED FOR TENDER	SPC	SU
4	MAR 14/16	ISSUED FOR APPROVAL	SPC	SU
3	MAR 2/16	ISSUED FOR CLIENT REVIEW	SPC	SU
2	FEB 24/16	ISSUED FOR PERMIT APPLICATION	SPC	SU
1	JAN 24/16	PAGE ADDED - ISSUED FOR CLIENT REVIEW	SPC	SU

**ISSUES / REVISIONS**

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**SQUAMISH - LILLOOET REGIONAL DISTRICT**

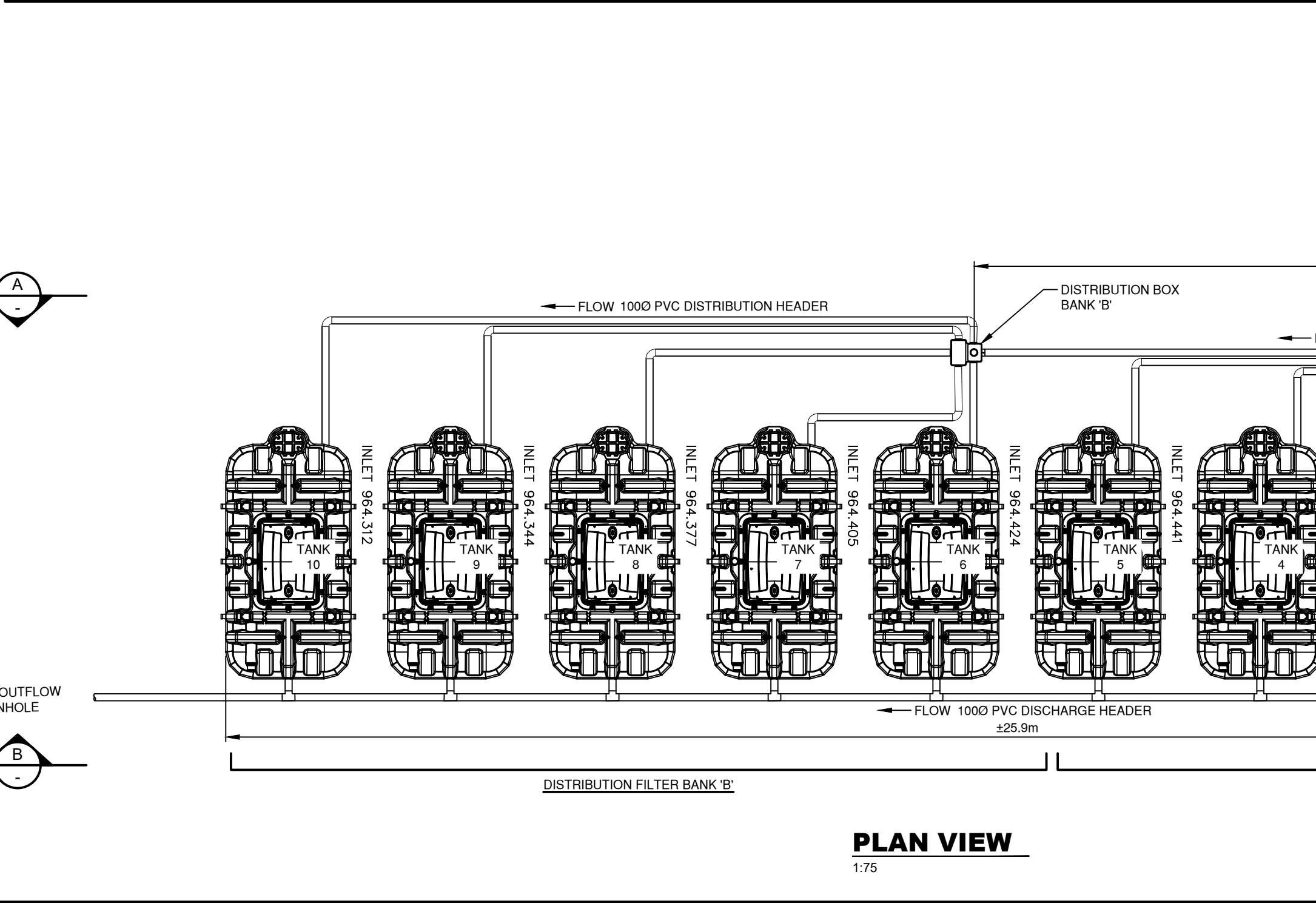
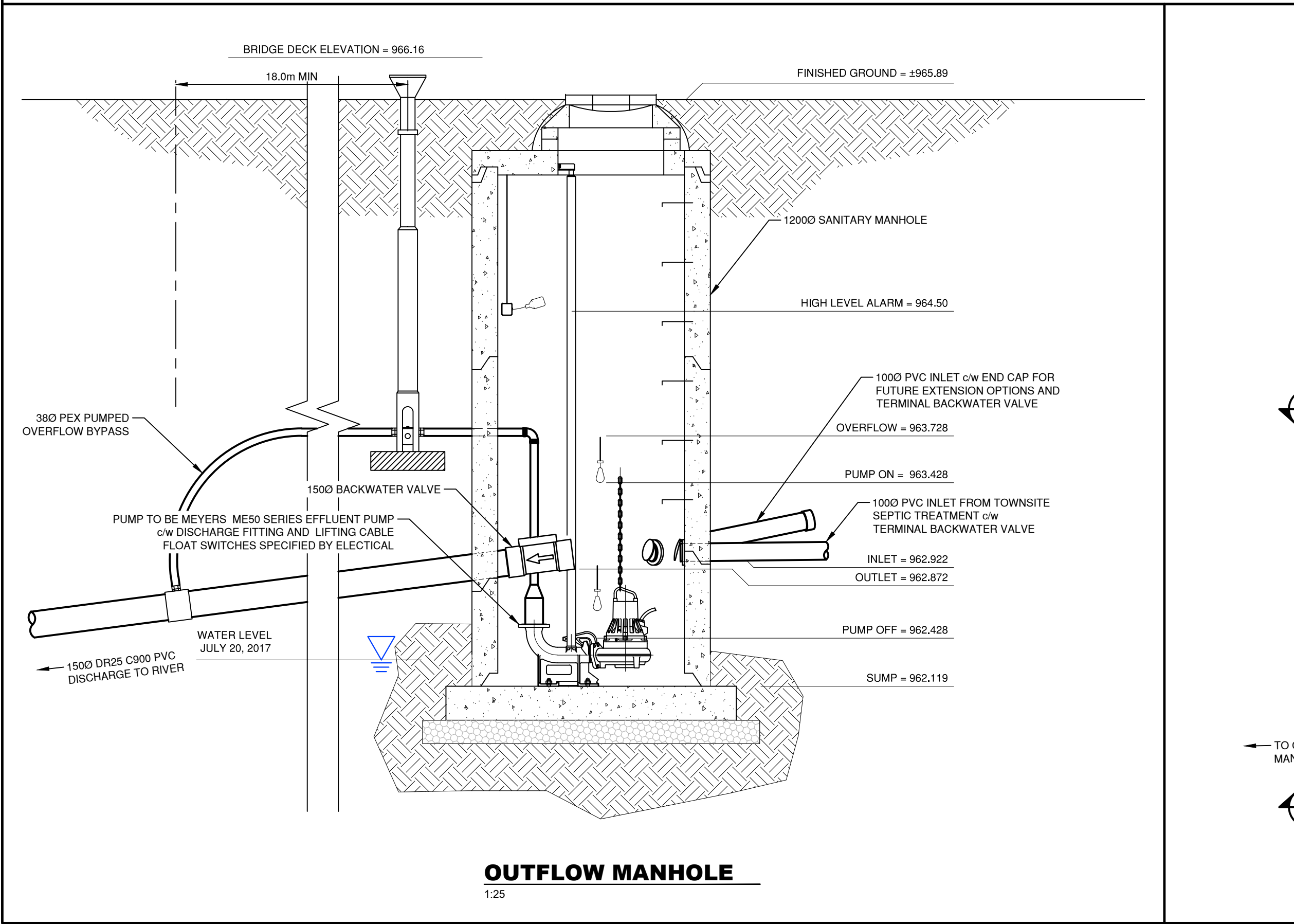
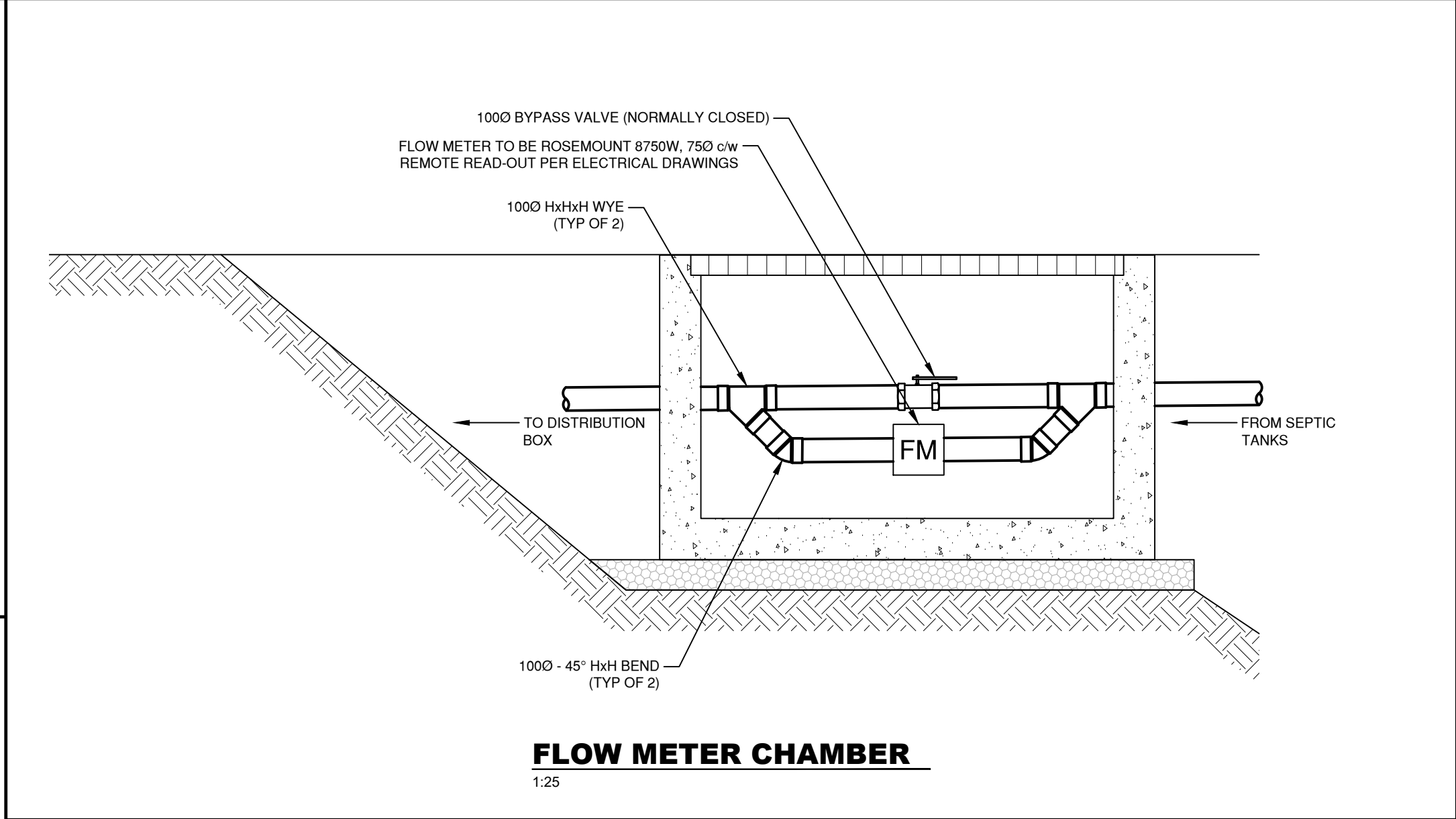
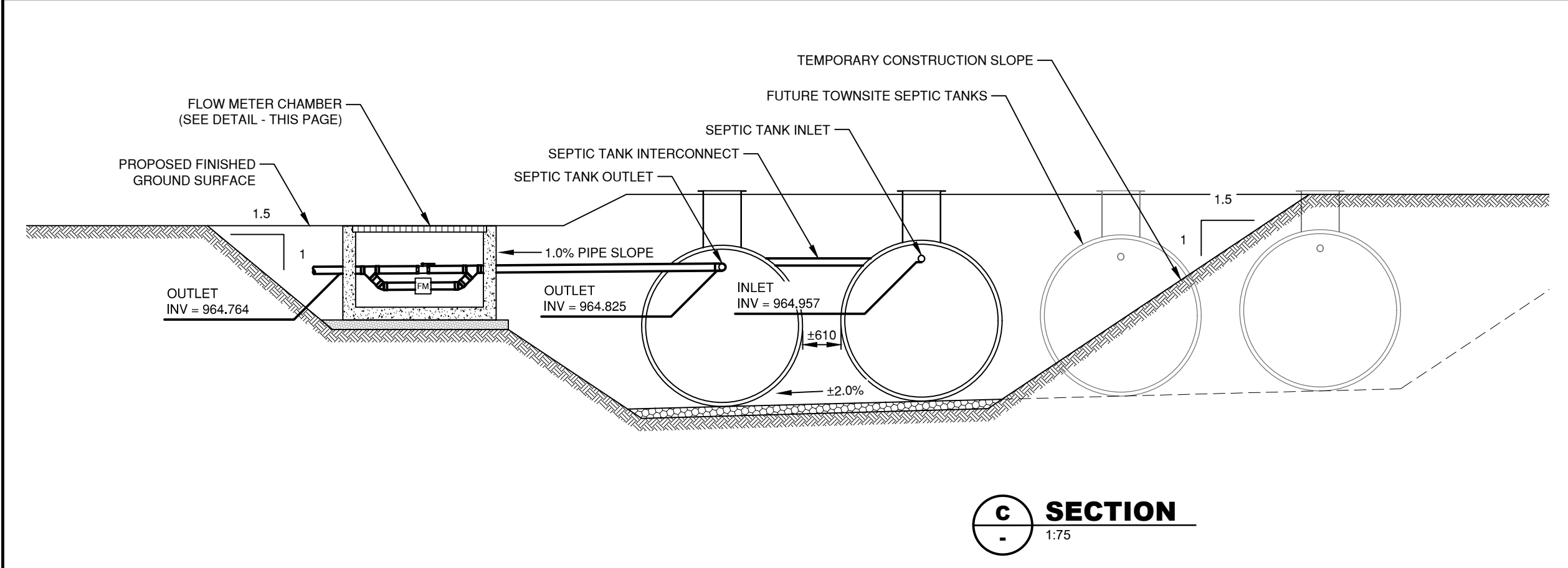
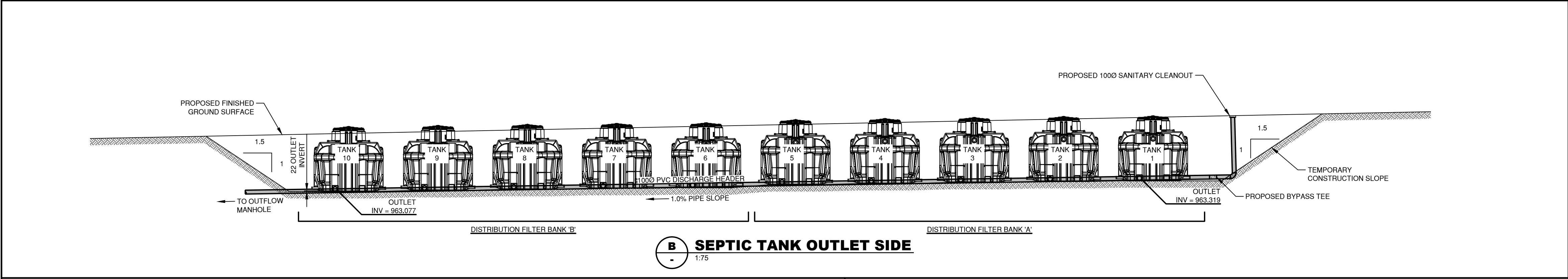
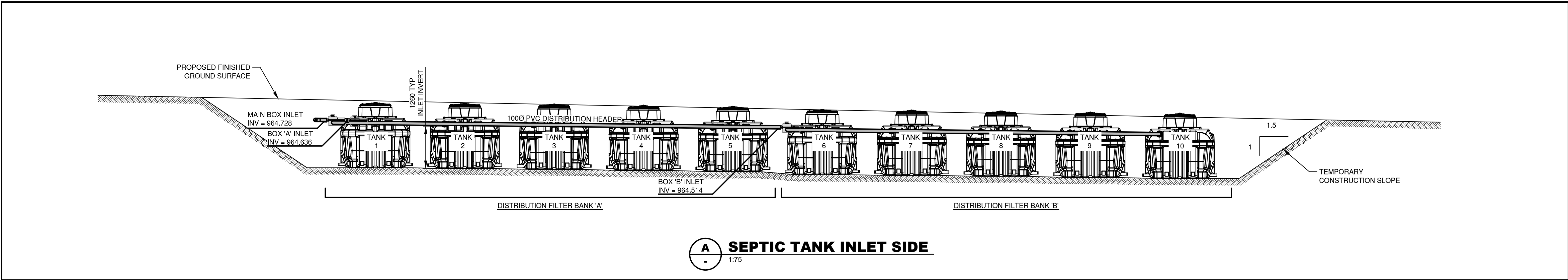
**BRALORNE SANITARY SYSTEM UPGRADES**

**TOWNSITE #1**

**TREATMENT SITE PLAN**

SCALE	H - 1:200 V - 1:200
DESIGN BY	SU
DRAWN BY	SPC
DATE	July 2016
PROJECT REFERENCE No.	649-011
DRAWING No.	649-015
SHEET	15 OF 18
REVISION	5





**FUTURE TOWNSITE SEPTIC TANKS**  
1:75

No.	DATE	DESCRIPTION	BY	APPD
4	MAR 23/18	ISSUED FOR TENDER	SPC	SU
3	MAR 20/18	ISSUED FOR CLIENT REVIEW	SPC	SU
2	MAR 14/18	PAGE RE-NUMBERED - ISSUED FOR APPROVAL	SPC	SU
1	MAR 2/18	PAGE ADDED - ISSUED FOR CLIENT REVIEW	SPC	SU

**ISSUES / REVISIONS**

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**SQUAMISH - LILLOOET REGIONAL DISTRICT**

**BRALORNE SANITARY SYSTEM UPGRADES**

**TOWNSITE #1**

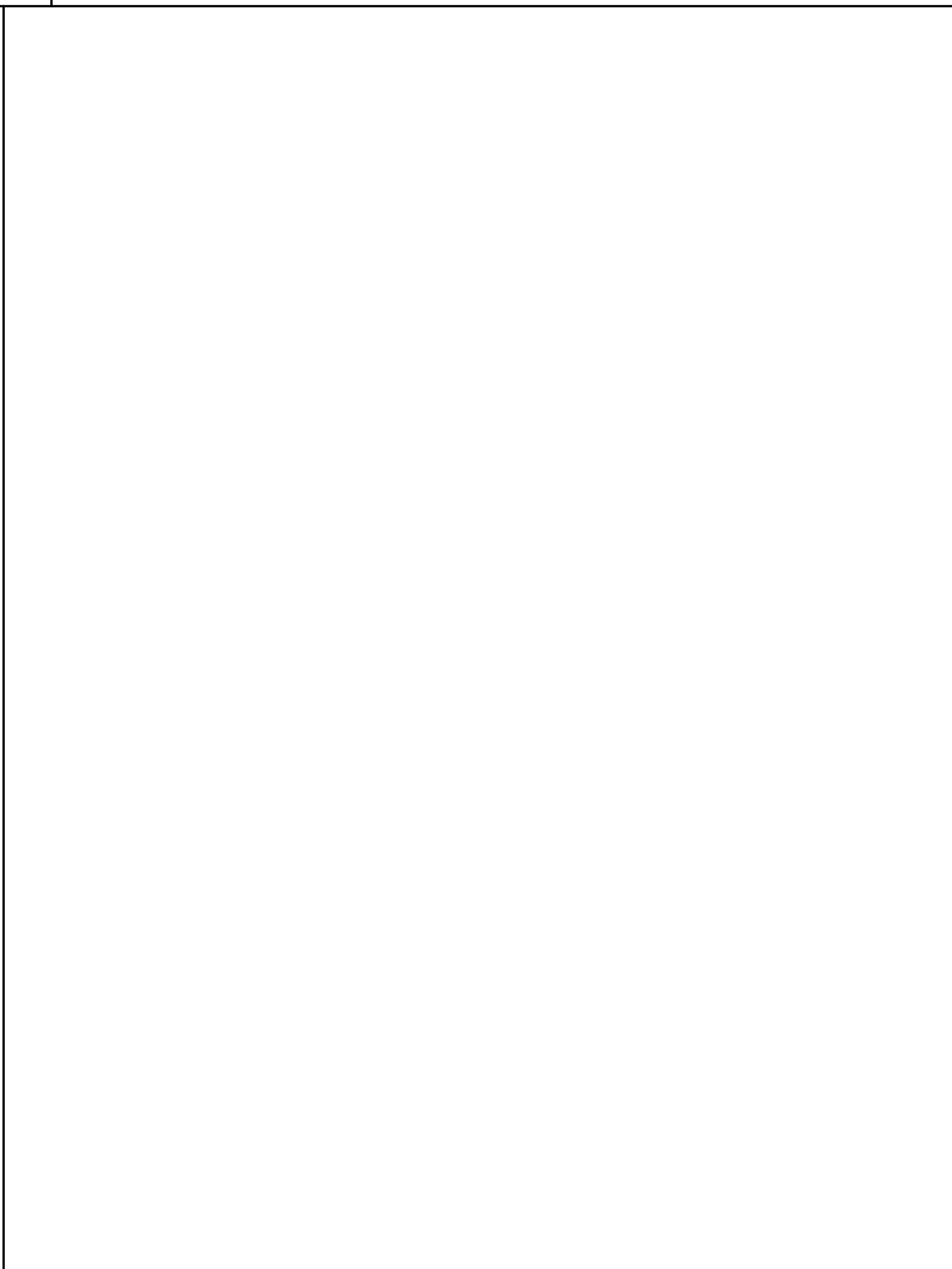
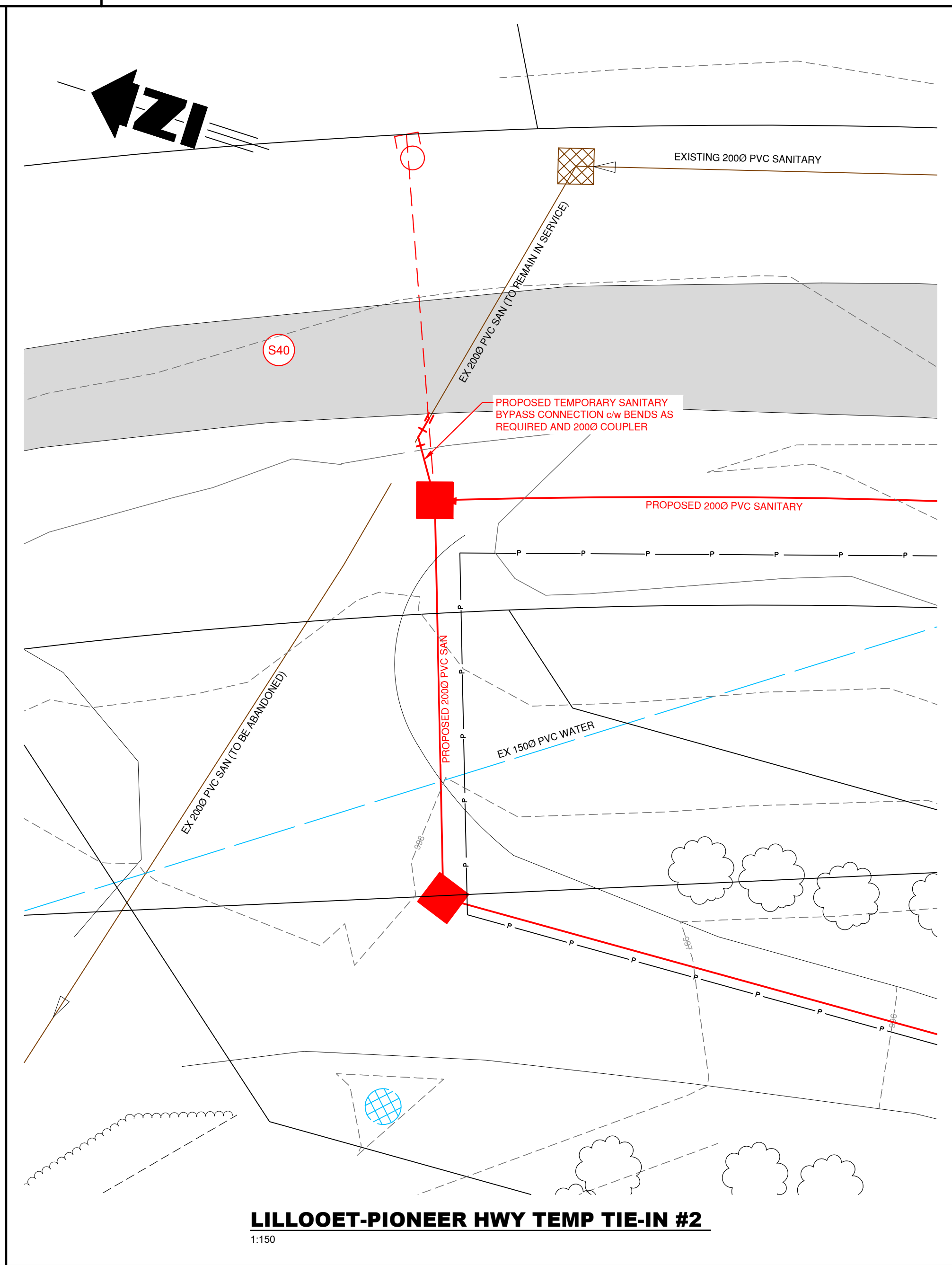
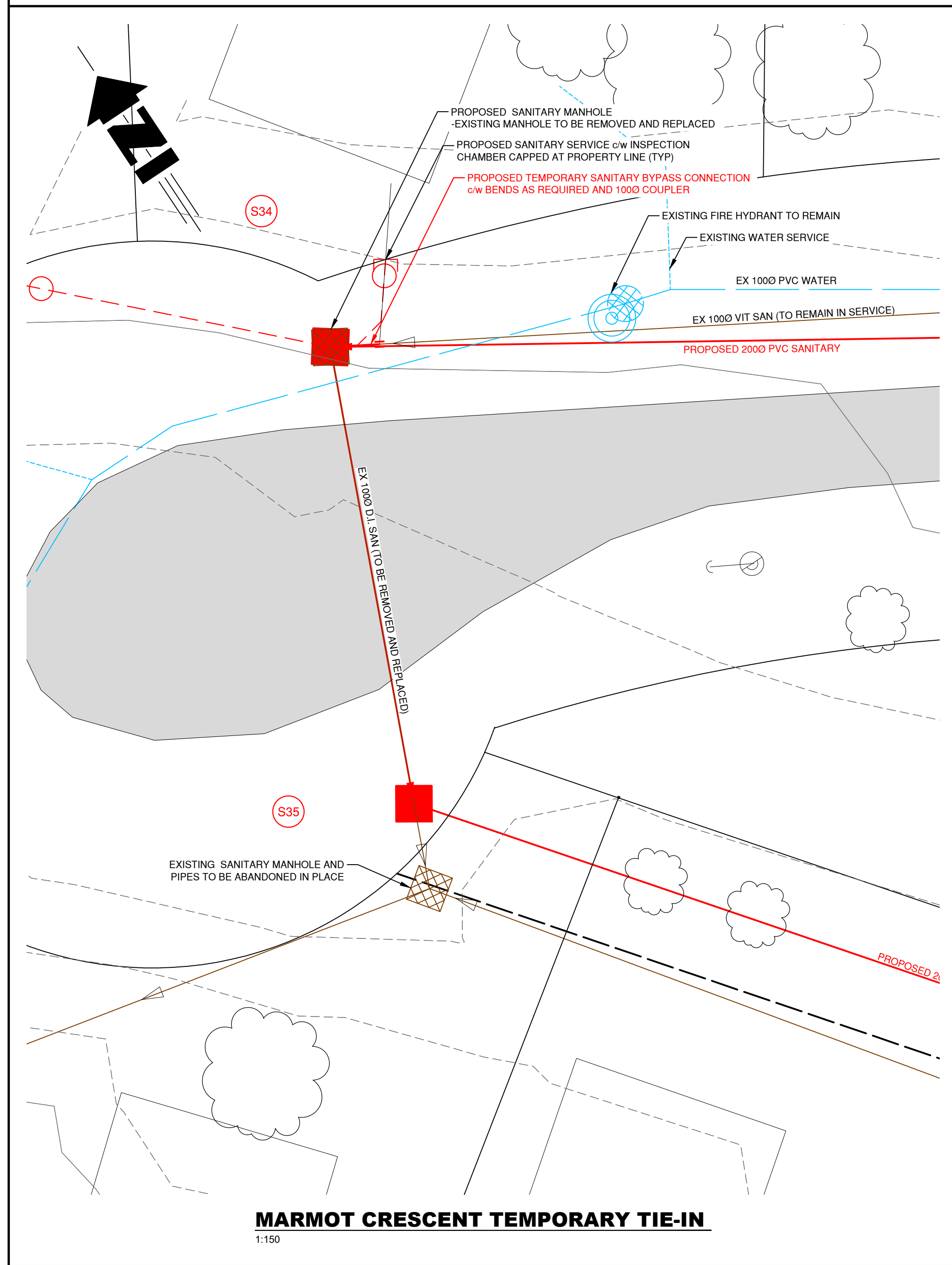
**TREATMENT DETAILS**

SCALE	
DESIGN BY	SU
DRAWN BY	SPC
DATE	July 2016
PROJECT REFERENCE No.	649-011
DRAWING No.	16

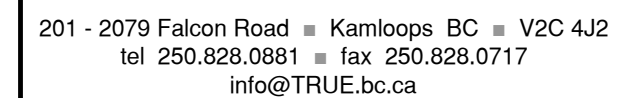
**649-015 16**

16 OF 18  
REVISION  
**4**







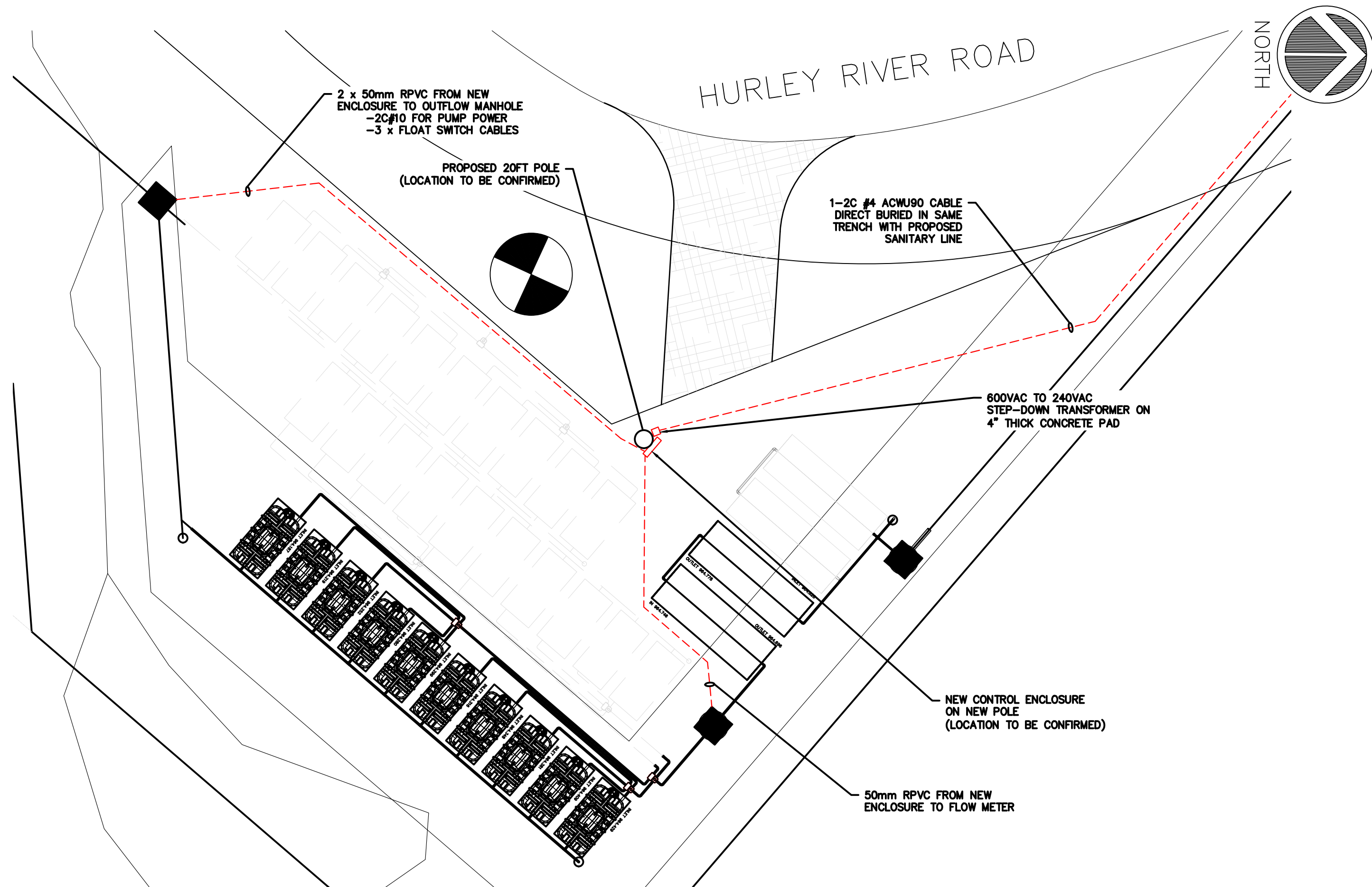

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## TOWNSITE #1

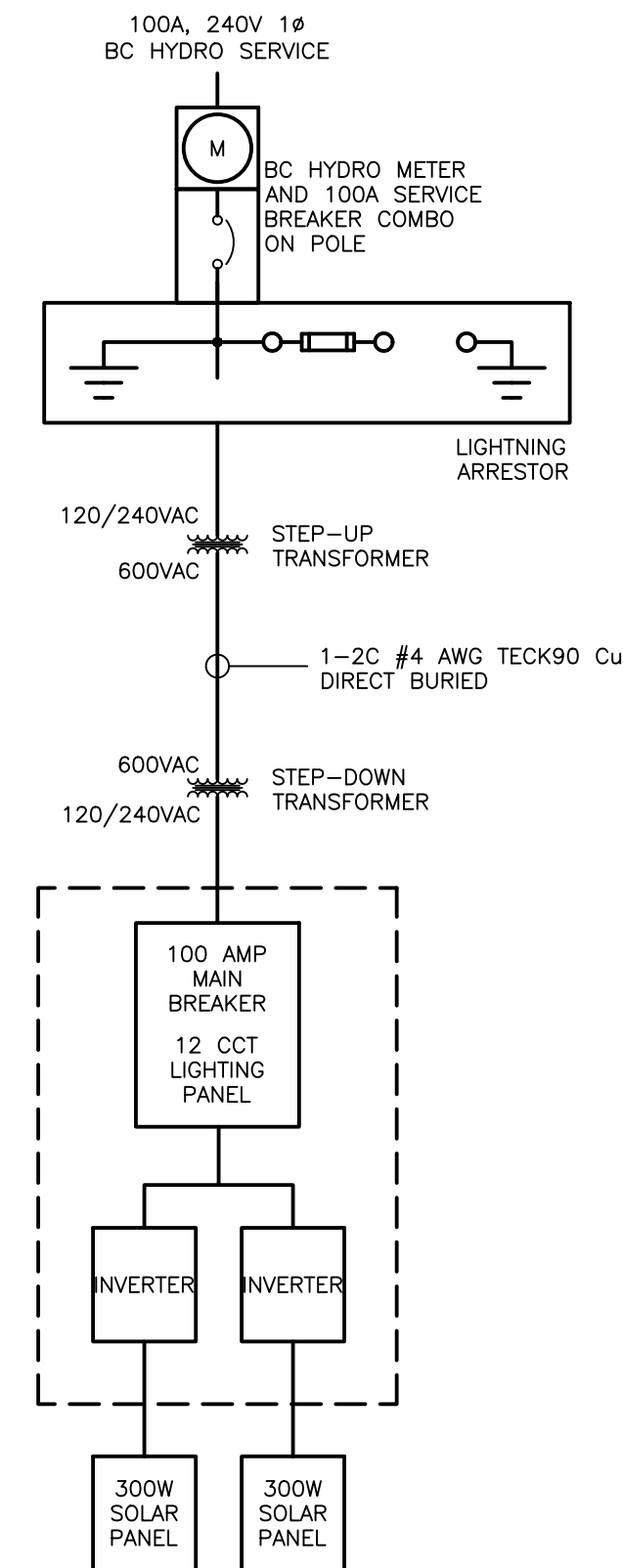
## STANDARD DRAWINGS AND TYPICAL DETAILS

SCALE	AS NOTED	
DESIGN BY	SU	
DRAWN BY	SPC	
DATE	July 2016	
PROJECT REFERENCE No.		649-011
DRAWING No.	<div> <div>649-015</div> <div>18</div> </div>	SHEET
		18 of 18
		REVISION
		3

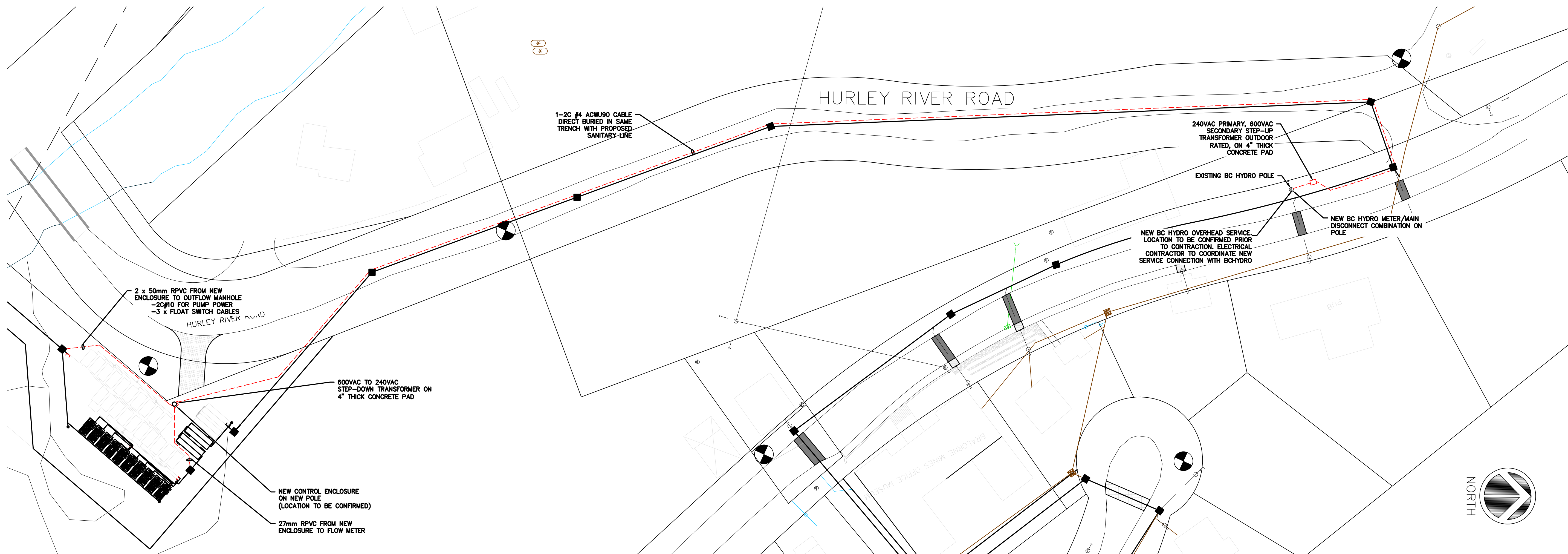




100A MAIN BREAKER 120/240V 1Ø		DISTRIBUTION PANEL "A"							
DESCRIPTION	# OF ITEMS	BKR SIZE	ITEM	ITEM	BKR SIZE	# OF ITEMS	DESCRIPTION		
PUMP STARTER #1	1	15A	1	2	20A	1	KIOSK LIGHT		
CONTROLS	1	15A	3	4	15A	1	RECEPTACLE		
KIOSK HEATER	1	15A	5	6	15A	1	SOLAR INVERTER		
FLOW METER	1	15A	7	8	15A	1			
SPD	-	15A	9	10	15A	1	SPARE		
SPARE	-	15A	11	12	15A	1	SPARE		



SINGLE LINE DIAGRAM  
SCALE: N.T.S.



**UES**  
ENGINEERING

VERNON, BC  
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FAX: (250) 275-4938

No.	DATE	DESCRIPTION	BY	APPROV
2	MAR 23/18	ISSUED FOR TENDER	IS	TDU
1	MAR 14/18	ISSUED FOR REVIEW	IS	TDU

ISSUES / REVISIONS

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**BRALORNE  
SANITARY SYSTEM  
UPGRADES**

**SITE PLAN &  
SINGLE LINE**

SCALE AS NOTED

DESIGN BY IS

DRAWN BY IS

DATE FEB 2018

PROJECT REFERENCE No.

DRAWING No.

649-015 **E1**

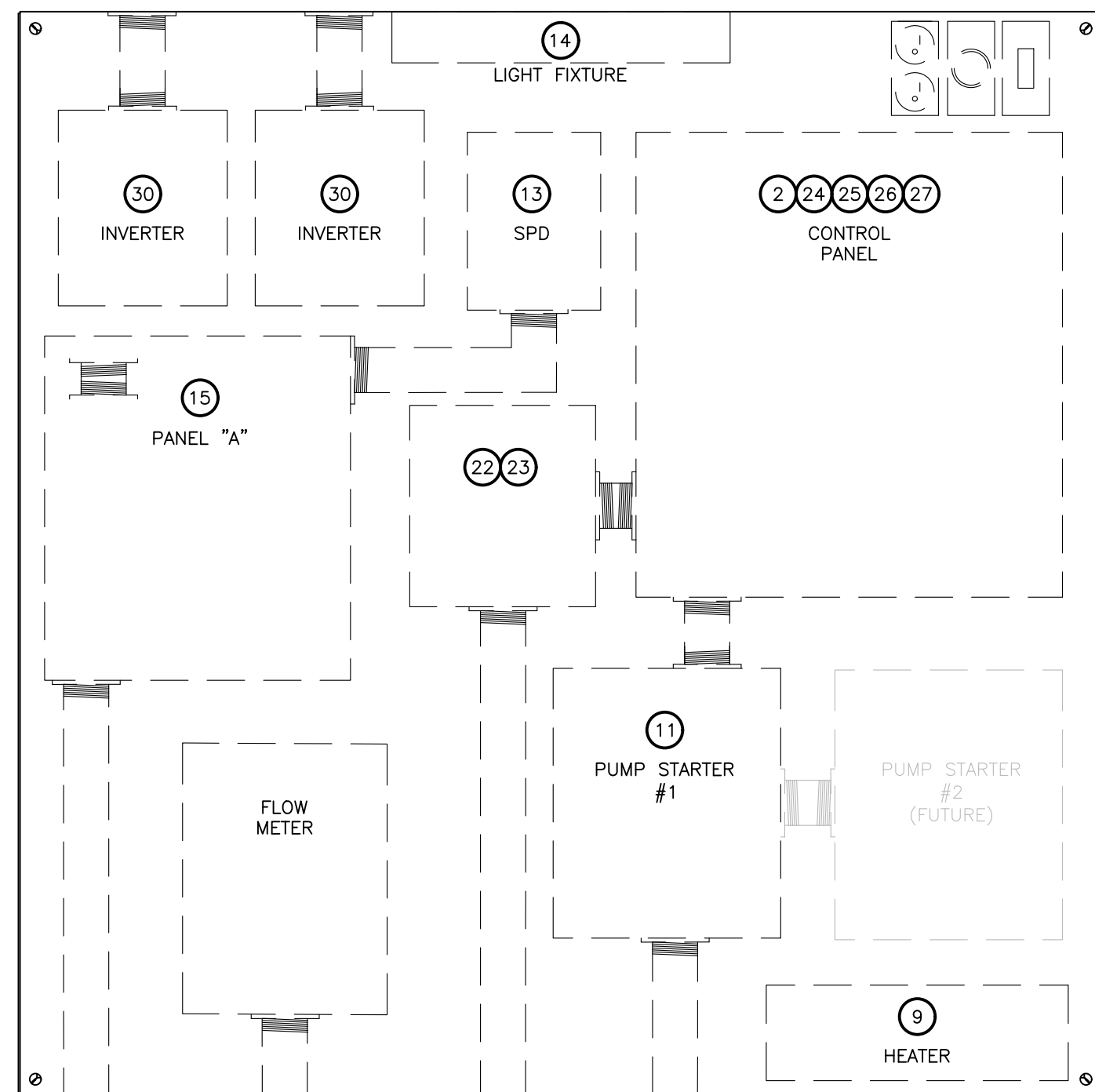
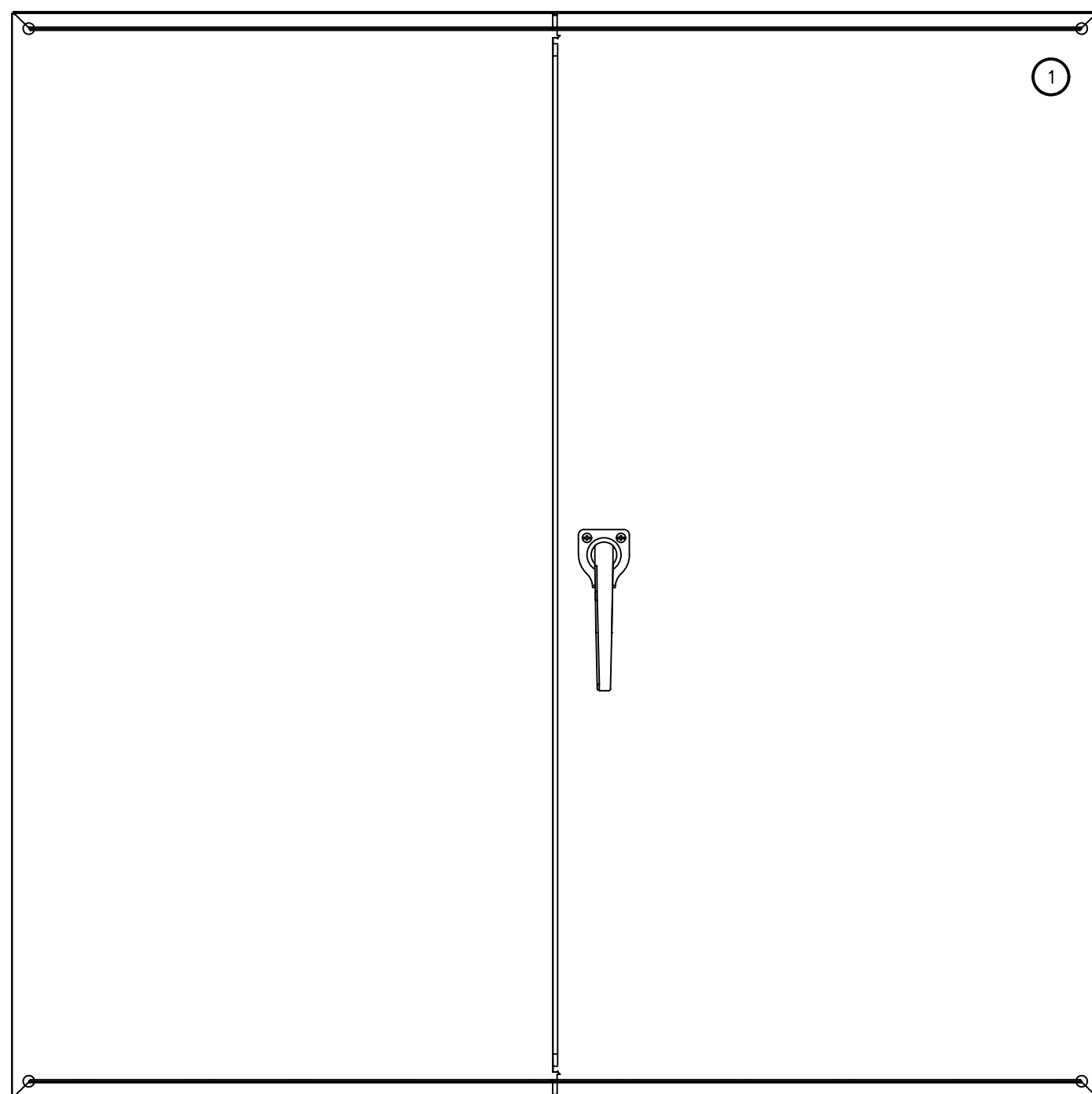
SHEET

1 OF 2

REVISION

2

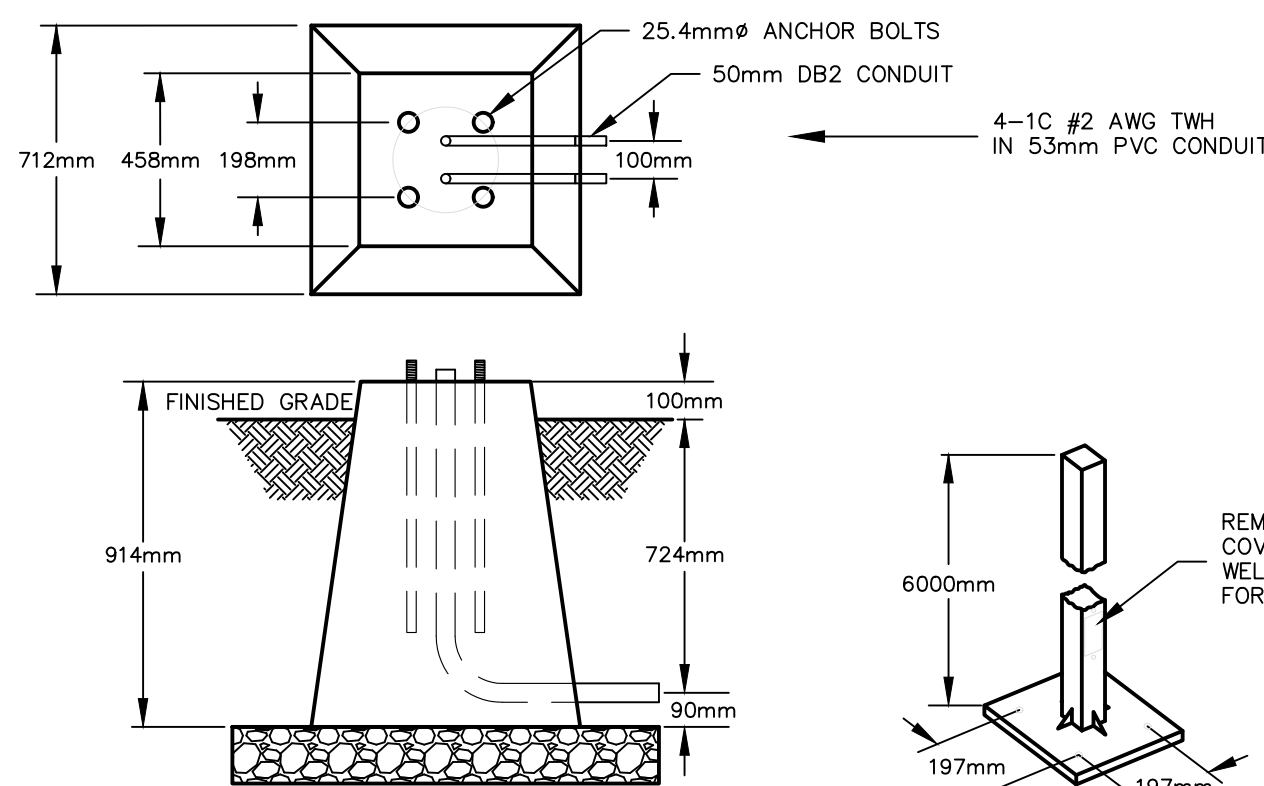
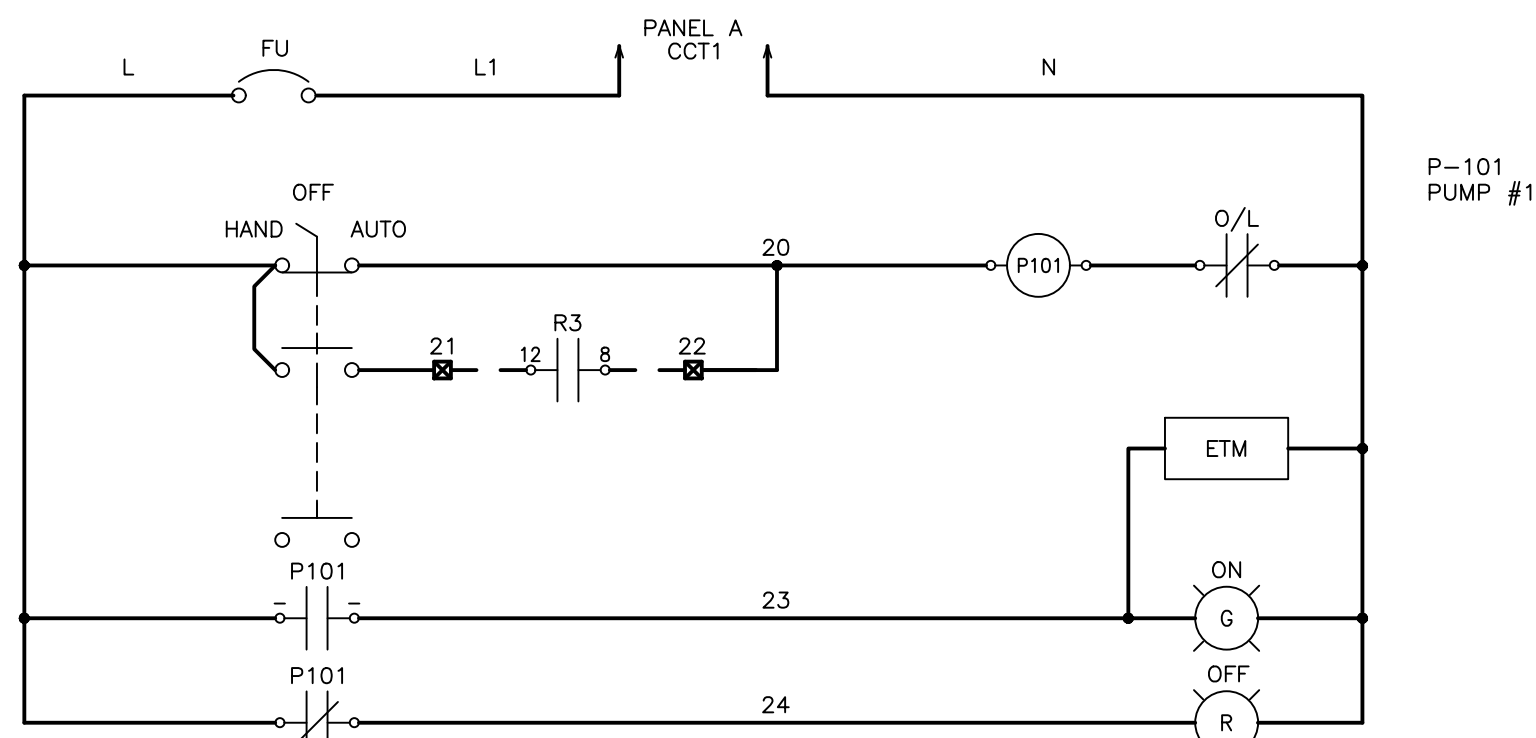
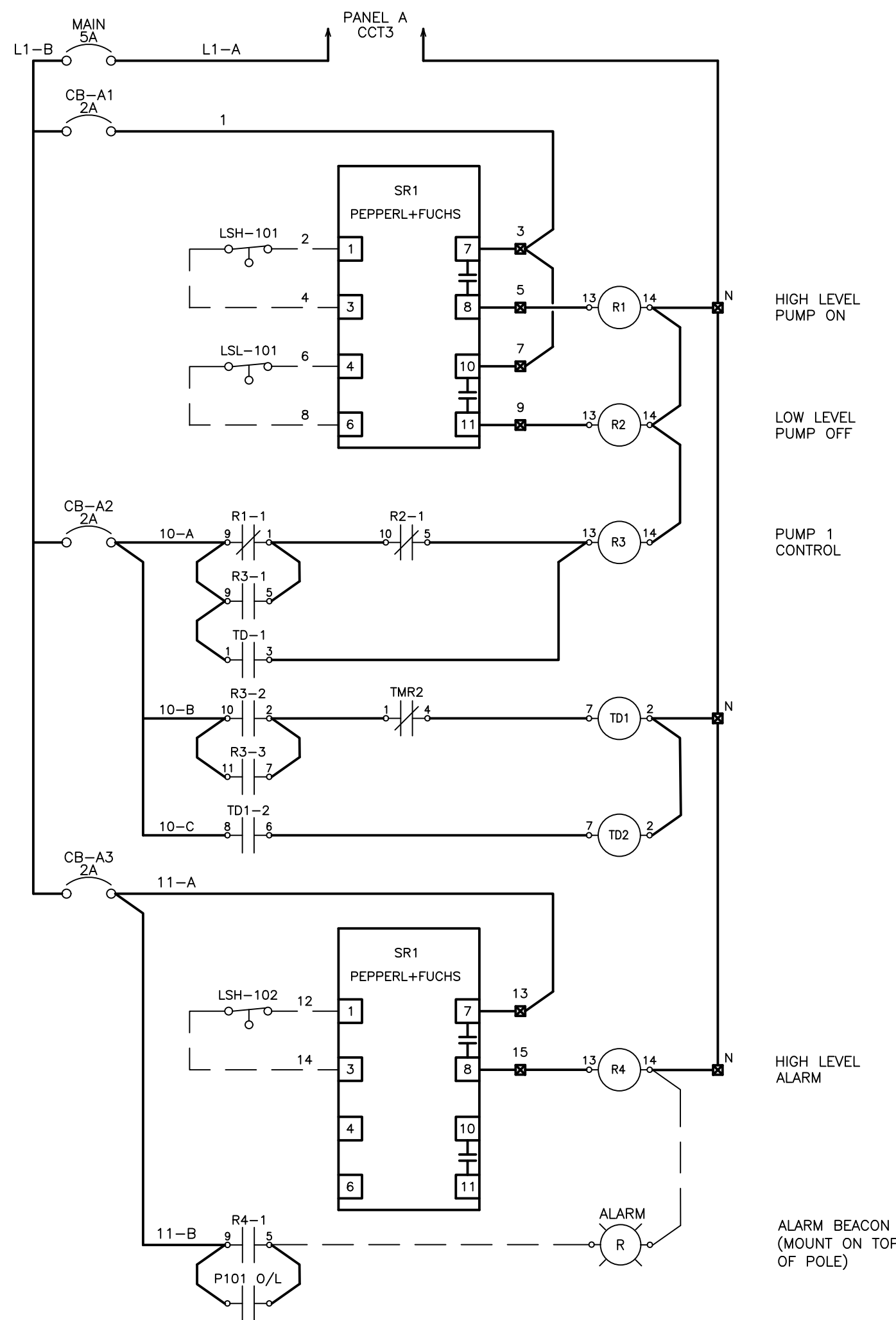




TO STEP-DOWN TRANSFORMER  
TO FLOW METER PIT

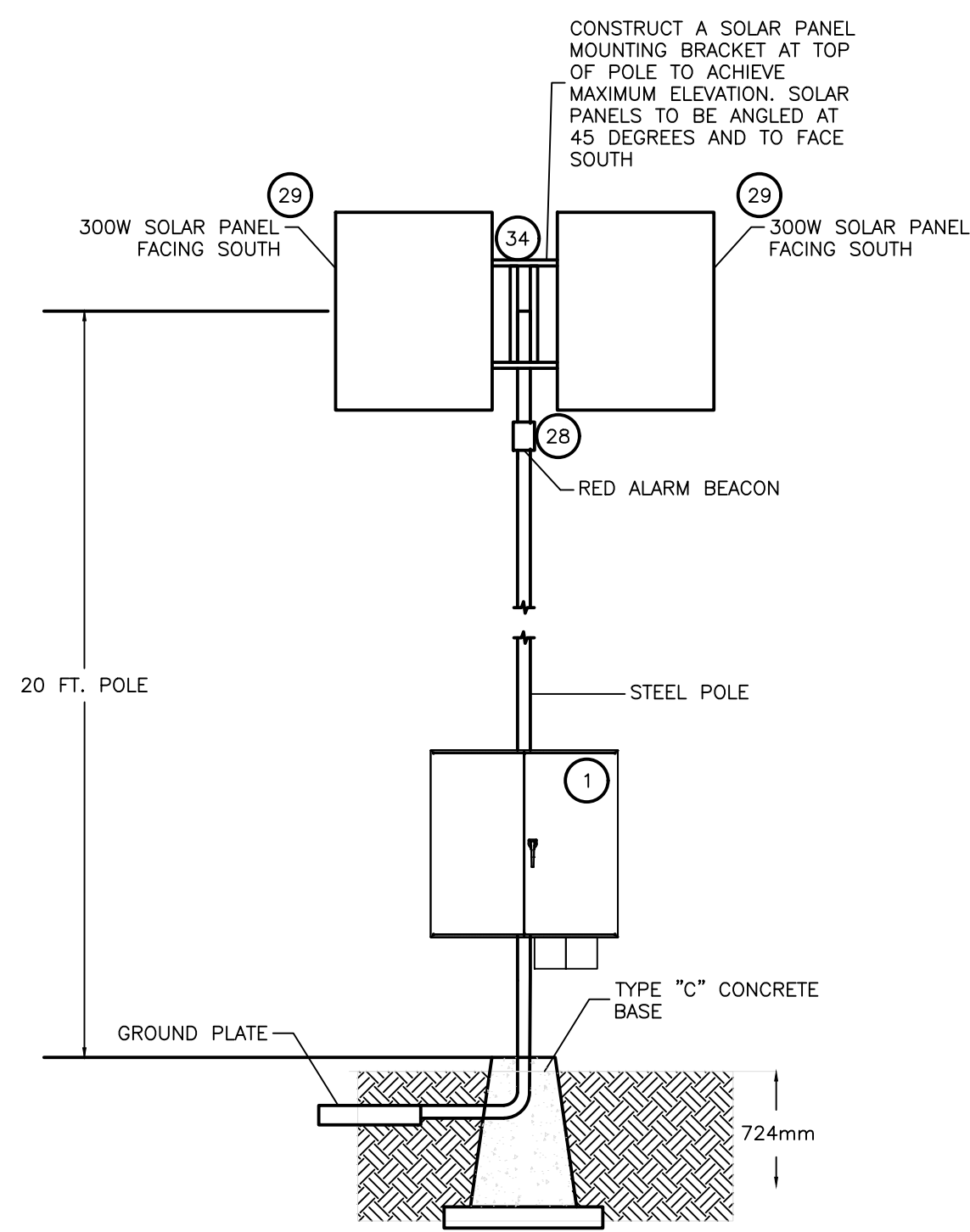
TO OUTFLOW MANHOLE FOR FLOATS

TO OUTFLOW MANHOLE FOR PUMP POWER  
RPVC STUBBED 1m AWAY FROM ENCLOSURE FOR FUTURE PUMP

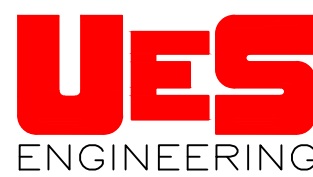


POLE AND BASE DETAILS  
(DETAILS TO BE CONFIRMED)  
SCALE: N.T.S.

MATERIAL LIST				
ITEM	QTY	MANUFACTURER	PART #	DESCRIPTION
1	1	HAMMOND OR EQUAL	C3RMC484812	NEMA 3R ENCLOSURE C/W BACK PANEL
2	1	HAMMOND OR EQUAL	OPEN	NEMA 12 ENCLOSURE C/W BACK PANEL AND DIN RAIL (SIZE AS REQUIRED)
3	1	OPEN	OPEN	120/240V TO 600V STEP-UP TRANSFORMER
4	1	OPEN	OPEN	600V TO 120/240V STEP-DOWN TRANSFORMER
5	1	OPEN	OPEN	1 INCH SCRIM CRAFT INSULATION FOR ENCLOSURE
6	A.R.	OPEN	OPEN	EXPLOSION PROOF CABLE CONNECTORS
7	A.R.	OPEN	OPEN	EXPLOSION PROOF SEALS
8	2	OPEN	OPEN	ENCLOSURE VENTILATION FAN C/W THERMOSTAT
9	1	OPEN	OPEN	750W HEATER C/W THERMOSTAT
10	1	UEBERT	GXT4-1000RT120	1000VA, 120V UPS C/W EXTERNAL BATTERY
11	1	OPEN	OPEN	NEMA SIZE 1 STARTER
12	2	OPEN	OPEN	NEMA-4X OUTDOOR RATED ALUMINUM JUNCTION BOX
13	1	TOTAL PROTECTION SOLUTIONS	TK-ST080-1P240	SURGE PROTECTION DEVICE
14	A.R.	OPEN	OPEN	FLUOR. LIGHT FIXTURES, C/W LAMPS, DOOR SWITCHES
15	1	OPEN	OPEN	120/240V, 12CCT BREAKER PANEL C/W 100A MAIN BREAKER
16	1	LEVITON	OPEN	3-WAY LIGHT SWITCH C/W 1110 BOX & METAL COVER
17	1	LEVITON	OPEN	GFCI RECEPTACLE C/W 1110 BOX & METAL COVER
18	A.R.	OPEN	EYS	CONDUIT SEALS
19	3	FLYGT	ENM-10	FLOAT SWITCH
20	2	OPEN	OPEN	FIBREGLASS CABLING COMPARTMENT JUNCTION BOXES
21	1	OPEN	OPEN	120VAC RECEPTACLE
22	2	PEPPERL & FUCHS	KFA5-SR2-EX2.W	INTRINSICALLY SAFE BARRIER FOR FLOAT SWITCHES
23	1	OPEN	OPEN	ENCLOSURE FOR INTRINSICALLY SAFE BARRIER
24	4	OMRON	MY4N-D2	4PDT, 120VAC RELAY
25	4	OMRON	PYF14A-E	4PDT, RELAY BASE
26	2	OMRON	H3CR-A8	TIME DELAY RELAY
27	AR	WEIDMULLER	4201 SERIES	CIRCUIT BREAKERS
28	1	OPEN	OPEN	120VAC RED ALARM BEACON
29	2	OPEN	OPEN	300W SOLAR PANEL
30	2	ENPHASE	OPEN	ENPHASE IQ 6 MICROINVERTERS C/W MOUNTING BRACKET
31	1	OPEN	OPEN	NOVA STRAIGHT SQUARE 20FT STEEL POLE, GALVANIZED, POWDER COATED BLACK
32	1	OPEN	OPEN	TYPE C CONCRETE BASE AS PER MMCD SPECIFICATIONS
33	1	OPEN	OPEN	GROUNDING PLATE
34	1	OPEN	OPEN	MOUNTING BRACKET FOR SOLAR PANELS



POLE DETAIL  
SCALE: N.T.S.



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1	MAR 14/18	ISSUED FOR REVIEW	IS	TDU

ISSUES / REVISIONS

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**BRALORNE  
SANITARY SYSTEM  
UPGRADES**

**ENCLOSURE AND  
WIRING DETAILS**

SCALE: AS NOTED

DESIGN BY: IS  
DRAWN BY: IS  
DATE: FEB 2018

PROJECT REFERENCE No.:

DRAWING No.:

649-015 **E2**

SHEET  
2 OF 2  
REVISION  
2