

Anderson Street Subdivision

Stages 6

Winchelsea

NOTES:

GENERAL:

- ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE WATER SERVICES ASSOCIATION OF AUSTRALIA WATER AND SEWER CODES WSA 02-2002 OR 03-2011 MRWA VERSION AND RELEVANT BARWON WATER SUPPLEMENTARY DOCUMENTATION.
- CONTACT PRIOR TO COMMENCEMENT OF WORKS:
SURFCOAST SHIRE
POWERCOR
WESTAR
TELECOMMUNICATIONS PROVIDERS
VICTORIAN WORKCOVER AUTHORITY
- BARWON WATER IS TO BE NOTIFIED 7 CLEAR DAYS PRIOR TO THE COMMENCEMENT OF WORKS BY BOTH THE CONSULTING ENGINEER AND THE CONTRACTOR.
- PROPERTY OWNERS ARE TO BE NOTIFIED BY THE CONSULTANT IN WRITING 14 CLEAR DAYS PRIOR TO THE COMMENCEMENT OF WORKS.
- COPY OF CADASTRAL MAP GRID (MGA) CONNECTION AND COPY OF AUSTRALIAN HEIGHT DATUM (AHD) CONNECTION IS TO BE PROVIDED BY THE CONTRACTOR.
- THE WORKS SHALL BE EFFECTED BETWEEN THE HOURS OF 8.00AM AND 5.00PM MONDAY-FRIDAY. IN THE EVENT THAT WORKS ARE TO BE EFFECTED OUTSIDE THESE WORKING HOURS A LETTER REQUESTING APPROVAL FOR SUCH OUT OF HOURS WORK SHALL BE LODGED WITH THE SENIOR QUALITY AUDITOR 48 HOURS PRIOR TO PLANNED WORKS.
- ALL SERVICES ARE TO BE LOCATED ON SITE PRIOR TO ANY EXCAVATION.
- IL'S OF EXISTING SEWER AND WATER MAINS ARE TO BE CONFIRMED PRIOR TO PROCEEDING WITH CONSTRUCTION. SHOULD RE-DESIGN BE REQUIRED, PLANS WILL NEED TO BE RE-SUBMITTED FOR ACCEPTANCE.
- CLASS 2 BACKFILL TO BE USED UNDER DRIVEWAYS FOR WATER AND SEWER.
- PVC JOINTS TO HAVE ELASTOMERIC SEALS.
- THE CONTRACTOR SHALL COMPLY WITH SAFETY REQUIREMENTS RELATING TO WORKING NEAR POWER LINES AS SET OUT BY THE CHIEF ELECTRICAL INSPECTOR. WHERE NECESSARY, AN ACCREDITED TRAINED SPOTTER IS TO BE PROVIDED.
- ANY WORK INVOLVING THE REMOVAL (CUTTING AND HANDLING), STORAGE, TRANSPORTATION AND DISPOSAL OF WASTE ASBESTOS CEMENT (AC) PIPES MUST BE CARRIED OUT IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY (ASBESTOS) REGULATIONS 1992 AND RELEVANT CODES OF PRACTICE (REMOVAL), THE ENVIRONMENTAL PROTECTION (PRESCRIBED WASTE) REGULATIONS 1998 (STORAGE, TRANSPORTATION AND DISPOSAL), AND BARWON WATER'S SAFETY, QUALITY ENVIRONMENT (SQE) PROCEDURES. A CERTIFICATE OF DISPOSAL IS TO BE INCLUDED WITH 'AS CONSTRUCTED' PACKAGE SUBMITTED TO BARWON WATER UPON PROJECT COMPLETION.
- FOR MINIMUM COVER REQUIREMENTS, REFER TO BARWON WATER SUPPLEMENTARY CODES.

WATER:

- ALL ALLOTMENTS ARE TO BE PROVIDED WITH A WATER SERVICE AS PART OF WATER RETICULATION WORKS.

THE WATER MAIN IS TO BE TAPPED USING A TAPPING SADDLE AND PRESSURE FERRULE (FERRULE IS TO BE LEFT OPEN). A MINIMUM SIZE SERVICE (ie 20mm COPPER, 25mm PE) IS THEN TO BE EXTENDED TO A POINT 500mm WITHIN THE PROPERTY. THE SERVICE IS TO BE A CONTINUOUS LENGTH WITH NO JOINTS. IN THE CASE OF PE OR ANY OTHER NON-METALLIC SERVICE BEING INSTALLED, A COPPER TRACE WIRE IS TO BE INCORPORATED. A BURIED BALL VALVE IS TO BE PLACED AT THE END OF THE SERVICE AND BACKFILLED WITH SAND TO DESIGN SURFACE LEVEL. A PLASTIC PROTECTIVE COVER IS TO BE PLACED OVER THE BALL VALVE. THE BALL VALVE (FEMALE END) IS TO BE PLUGGED WITH A PLASTIC CAP. DETECTOR TAPE FROM THE BALL VALVE TO BE RUN TO SURFACE LEVEL.

- PE PIPE TO BE LAID IN ACCORDANCE WITH WSA-01. LONG RADIUS BENDS OR DEFLECTION ONLY TO BE USED FOR CHANGE OF DIRECTION. NO COMPRESSION BENDS TO BE USED.
- THRUST RESTRAINTS HAVE BEEN DESIGNED FOR 50 KPa ALLOWABLE BEARING PRESSURE OF GROUND (STIFF CLAY) AND ARE TO BE CONSTRUCTED AS PER WSA 2011 STANDARD DRAWING MRWA-W-204, MRWA-W-205 AND MRWA-W-206. WHERE CONCRETE THRUST BLOCKS ARE NOMINATED THEY ARE TO BE CONSTRUCTED IN ACCORDANCE WITH MRWA-W-204 & MRWA-W-205. THE CONTRACTOR SHALL CONFIRM THE ACTUAL GROUND CONDITIONS WITH THE SUPERINTENDENT PRIOR TO CONSTRUCTING RESTRAINTS.
- MARKER POSTS ARE TO BE PLACED AT STOP VALVES AND FIRE PLUGS IN ACCORDANCE WITH WSA AND CFA GUIDELINES.
- MONT TAP (MT) AND ANY TAPPING WITHIN THE ROAD PAVEMENT TO HAVE HEAVY DUTY COVER (FITZROY BOX 150mm x 125mm).
- CURVED WATER MAINS:
PVC WATERMANS LAID ON A HORIZONTAL CURVE ARE TO BE CONSTRUCTED AS FOLLOWS -

A MINIMUM RADIUS OF 344m (FOR A 6m LENGTH OF PIPE) ALLOWS 1 DEGREE DEFLECTION IN EACH JOINT. FOR SMALLER RADI DI DOUBLE SOCKET CONNECTORS MAY BE USED THAT ALLOW 3 DEGREES DEFLECTION IN EACH SOCKET.

WHERE THE HORIZONTAL RADIUS IS LESS THAN THE STANDARD MINIMUM BUT GREATER THAN 29m, EACH 6m PIPE LENGTH SHALL HAVE ITS COLLAR REMOVED AND THEN CUT TO AN APPROPRIATE LENGTH TO FOLLOW AROUND THE ARC LINE (MINIMUM LENGTH 3m). EACH CUT END IS TO BE CHAMFERED AND THEN JOINED USING DI DOUBLE SOCKET CONNECTORS (DOUBLE SOCKET CONNECTORS THAT ARE CAPABLE OF 3 DEGREES DEFLECTION IN EACH SOCKET SHALL BE USED). EACH SOCKET CONNECTOR IS TO BE TOMMED OR ANCHORED TO ENSURE NO JOINT MOVEMENT.

WHERE THE HORIZONTAL RADIUS IS LESS THAN 29m, 11.25 DEGREE, 22.5 DEGREE AND 45 DEGREE BENDS ARE TO BE USED.

- ALL POTABLE AND/OR RECYCLED WATER SUPPLY MAINS MUST BE CLEANED, SWABBED, PRESSURE TESTED, DISINFECTED (WHERE REQUIRED) AND WATER QUALITY TESTED STRICTLY IN ACCORDANCE WITH BARWON WATER'S "WATER QUALITY GUIDANCE FOR COMMISSIONING ASSETS IN CONTACT WITH POTABLE WATER OR CLASS A RECYCLED WATER" DOCUMENT (DATED 24.09.15), IN THE FOLLOWING SEQUENCE.

— FOLLOWING CONNECTION OF THE NEW WATER MAINS TO THE EXISTING SUPPLY SYSTEM, LINES ARE TO BE SWABBED IN ACCORDANCE WITH SECTIONS 6.7 AND 18 OF WSA 03-2011 MRWA EDITION.

SWAB ENTRY AND DISCHARGE POINTS CAN BE THROUGH FIREPLUGS FOR DN100-DN200mm WATER MAINS OR INSERTED DIRECTLY INTO THE MAIN DURING PIPE LAYING. THE LOCATION AND DIRECTION OF SWABS ARE SHOWN ON THE PLAN.

SWAB DISCHARGE CONTROL UNITS WILL BE REQUIRED FOR ALL LARGER PIPE SIZES OR ANY PIPE SIZE WHERE A SWAB CANNOT BE DISCHARGED THROUGH A FIREPLUG (REFER WAT-1321-M).

— FOLLOWING SWABBING ALL MAINS ARE TO BE HYDROSTATIC PRESSURE TESTED AT THE CORRECT TEST PRESSURE CORRESPONDING TO THE NOMINATED DESIGN HEAD WITH ALL TEST RESULTS RECORDED AND INCLUDED WITH THE 'AS CONSTRUCTED' PACKAGE SUBMITTED TO BARWON WATER UPON PROJECT COMPLETION.

THE CONTRACTOR MUST GIVE BARWON WATER'S SENIOR QUALITY AUDITOR 3 (THREE) CLEAR WORKING DAYS NOTICE IN WRITING OF THE DATE AND TIME OF THE PROPOSED TEST.

— FOR WATER MAINS 225mm AND ABOVE OR WHERE DIRECTED BY BARWON WATER'S SENIOR QUALITY AUDITOR (ie. FOR MAINS SMALLER THAN 225mm OR EXISTING MAINS THAT ARE LIKELY TO BE CONTAMINATED FROM CONSTRUCTION WORKS), WATER MAINS ARE TO BE DISINFECTED, FLUSHED AND WATER QUALITY TESTED IN ACCORDANCE WITH SECTIONS 19.5 AND 20 OF WSA 03-2011 MRWA EDITION AND MRWA SPECIFICATIONS 04-01 AND 04-02.

THE CONTRACTOR/CONSULTANT TO ARRANGE TESTING WITH BARWON WATER TO UNDERTAKE FLUSHING.

A NATA REGISTERED LABORATORY IS TO BE ENGAGED TO COLLECT AND TEST WATER SAMPLES TO ENSURE THE MAINS ARE SUITABLE FOR COMMISSIONING WITH ALL TEST RESULTS RECORDED AND INCLUDED WITH THE 'AS CONSTRUCTED' PACKAGE SUBMITTED TO BARWON WATER UPON PROJECT COMPLETION.

SEWER:

- "WARNING; ENTRY INTO ANY SEWER OR MANHOLE IS CONTROLLED BY CONFINED SPACE REGULATIONS BEING "OCCUPATIONAL HEALTH AND SAFETY (CONFINED SPACES) REGULATIONS 1996, STATUTORY RULE No 148/1996 AND A.S.2865-1995 SAFE WORKING IN CONFINED SPACES". PERSON(S) REQUIRING ACCESS TO A BARWON WATER MANHOLE AS PART OF THE DEVELOPMENT WORKS PROCESS MUST CONTACT THE SENIOR QUALITY AUDITOR Ph 03-5226 9204 FOR ENTRY REQUIREMENTS".
DURING THE CONSTRUCTION OF WORKS TO GAIN ACCESS TO A BARWON WATER MANHOLE THE PROCEDURE AS OUTLINED IN THE ATTACHED FLOWCHART IS TO BE FOLLOWED, AND THE "CONFINED SPACE ENTRY PERMIT APPLICATION FORM" (ALSO ATTACHED) IS TO BE COMPLETED AND LODGED WITH THE SENIOR QUALITY AUDITOR 3 (THREE) CLEAR WORKING DAYS PRIOR TO ENTRY.
- WHERE FUTURE SEWER MAINS ARE INDICATED, A 150mm ACCESS COUPLING AND CAP ARE TO BE PLACED OUT OF THE MANHOLE.
- MANHOLE DROPS ARE TO BE CONSTRUCTED AS PER STANDARD DRAWING SEW-1306-V AND BRACED AT 1.0m C/C ON MANHOLE WALL.
- ALL SEWERS ARE TO BE PVC S88 UNLESS NOTED OTHERWISE.
- ALL END OF LINES ARE TO HAVE A TERMINAL MAINTENANCE SHAFT AS PER BARWON WATER DETAIL DRAWING 70095.
- CURVED SEWER MAINS AND MAINS CROSSING UNDER ROAD PAVEMENT TO HAVE DETECTOR TAPE.
- PVC SEWER LENGTHS TO NOT EXCEED 3m FOR CURVED SECTIONS OF SEWER MAIN.
- ALL EXCAVATIONS AROUND NEWLY CONSTRUCTED MANHOLES TO BE BACKFILLED WITH 3% CEMENT STABILIZED SAND.
- ALL MANHOLE JOINTS, INCLUDING DROPS ARE TO BE SEALED WITH FERROPRE OR APPROVED EQUIVALENT.
- DIAMETERS OF MANHOLES:
- MINIMUM MANHOLE DIAMETER SHALL BE 1050mm.
- WHERE THERE ARE 2 OR MORE INTERNAL DROPS A 1500mm DIAMETER MANHOLE SHALL BE USED.
- WHERE A SEWER IS ≥DN300 A 1500mm DIAMETER MANHOLE SHALL BE USED.
- WHERE THE SEWER IS DEEPER THAN 3.0m, 1500mm DIAMETER MANHOLES ARE TO BE USED.
- ALL 'TM SPECIAL' CONNECTIONS FROM MANHOLES ARE TO BE CONSTRUCTED AS FOLLOWS:
THE FIRST (LOWEST) JUMP-UP IS TO BE CONSTRUCTED INSIDE THE MANHOLE COMMENCING AT THE BASE AND RISING TO A POINT NO DEEPER THAN 4.0m FROM FSL (MAXIMUM DEPTH FOR A HOUSE CONNECTION BRANCH). AT THIS POINT THE SECOND (TOP) JUMP-UP IS TO BE CONSTRUCTED THROUGH THE MANHOLE WALL AND EXTENDED OUT AT 1 IN 60 GRADE TO A MINIMUM 500mm BEYOND THE PROPERTY BOUNDARY (TRENCHING MUST REACH BEYOND MH EXCAVATION AND INTO UNDISTURBED GROUND). A 90° BEND (SUPPORTED WITH A CONCRETE BLOCK) IS THEN PLACED AND THE BRANCH EXTENDED UP TO THE DESIGN LEVEL.

SPECIAL:

- WATER RESTRICTIONS ARE TO APPLY FROM MIDNIGHT JUNE 30TH 2006, IN ACCORDANCE WITH BY-LAW No 187. ONLY TRIGGER HOSES (MAXIMUM SIZE 25mm) MAY BE USED FOR CONSTRUCTION WORK NOT INCLUDING TRENCHING, UNLESS OTHERWISE EXEMPTED BY THE AUTHORITY IN WRITING. MECHANICAL COMPACTION IS TO BE USED IN ACCORDANCE WITH MRWA SPECIFICATION 04-03 FOR TRENCH WORKS UNTIL FURTHER NOTICE.
- COMPACTION TEST RESULTS FOR TRENCH WORKS RELATING TO SEWER (GRAVITY AND RISING) AND WATER MAINS ARE TO BE FORWARDED BY THE CONSULTANT TO BARWON WATER WITH 'AS CONSTRUCTED' INFORMATION.
- SHUTDOWNS WORKS ARE TO TAKE PLACE BETWEEN THE HOURS OF 9.00AM AND 1.00PM.
- CLEANING, DISINFECTION AND TESTING OF DRINKING WATER AND/OR RECYCLED WATER MAINS IS TO BE IN ACCORDANCE WITH BARWON WATER'S "WATER QUALITY GUIDANCE FOR COMMISSIONING ASSETS IN CONTACT WITH POTABLE WATER OR CLASS A RECYCLED WATER" DOCUMENT (DATED 24 SEPTEMBER 2015).

ACCEPTED BY BARWON WATER

WORKS SHALL NOT COMMENCE UNTIL PLANS SIGNED BY BARWON WATER

SIGNED: _____

LAND DEVELOPMENT CO-ORDINATOR
INFRASTRUCTURE DELIVERY

CONSTRUCTION NOTES

- CONSTRUCTION OF SEWER AND WATER MAINS TO BE IN ACCORDANCE WITH BARWON WATER STANDARD SPECIFICATIONS "CONSTRUCTION OF GRAVITY SEWERS AND RISING MAINS" AND "CONSTRUCTION OF WATER MAINS".
- EVERY ENDEAVOUR TO ENSURE THE LOCATION OF ALL EXISTING SERVICES ON THE PLAN ARE CORRECT HOWEVER ACTUAL LOCATIONS ARE TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF EXCAVATION.
- NOMINAL SIZE OF WATER MAINS INDICATED IN MILLIMETRES, OFFSETS ARE INDICATED IN METRES.
- ALL SEWER PIPES ARE 150 Ø mm UNLESS OTHERWISE SHOWN.

PIPE TYPES

ASBESTOS CEMENT	AC
CAST IRON CEMENT LINED	CICL
DUCTILE CEMENT LINED	DCCL
MILD STEEL CEMENT LINED	MSCL
POLYVINYL CHLORIDE	PVC
POLYETHYLENE (AS SPECIFIED)	PE
REINFORCED CONCRETE	RC
VITREOUS CLAY	VC

FITTINGS AND SYMBOLS

WATER	SEWER
CHANGE OF PIPE SIZE	TYPE 'A' JUMP UP
MAINS NOT CONNECTED	TYPE 'B' JUMP UP
MAINS IN CONDUIT	TYPE 'C' SLIDE LINE
VALVE	OBLOQUE JUNCTION
NON RETURN VALVE	TYPE 'A' SPECIAL
FIRE PLUG	TYPE 'TM' SPECIAL
DEAD END CAP	TYPE 'B' SPECIAL

OTHER U/G SERVICES

EXISTING WATER MAIN
STORM WATER
GAS
TELSTRA
ELECTRICITY (IP/OP)
EXISTING SEWER



PETER BERRY & ASSOCIATES PTY LTD

153 YARRA STREET, GEELONG 3220 TEL 5223 2799 FAX 5223 2791

AMENDMENTS

A	PLANS FOR ACCEPTANCE	AUG '18
REV	DESCRIPTION	DATE

EXTENSION No L015238			
ANDERSON STREET SUBDIVISION - STAGE 6			
WINCHELSEA			
SHEET 1 OF 3			
DESIGNED	JULY '18	DRAWN	JULY '18
	D.L. BERRY		D.L. BERRY
CHECKED			D.L. BERRY
MGR. PETER BERRY		EXECUTIVE MGR.	
SCALES - PLAN -			
SECTIONS -			
HORIZ -			
VERT -			
REVISION -	A		

MANHOLE INFORMATION LEGEND			
M.H. No.	LINE No./DOWNSTREAM INVERT	LINE No./UPSTREAM INVERT	
F.S.L.	LINE No./UPSTREAM INVERT	LINE No./UPSTREAM INVERT	

HOUSE CONNECTION DETAILS:

LINE NO.	MANHOLE NO.	HC NO.	LOT NAME	CONNECTION TYPE	CHAINAGE	IL SEWER	IL BRANCH	BRANCH HEIGHT
1	Ex MH A	1	90	A Special	2.00	89.20	90.80	1.60
1	Ex MH A	2	91	A Special	23.00	89.32	90.92	1.60
1	Ex MH A	3	92	A Special	43.00	89.43	90.93	1.50
1	Ex MH A	4	93	A Special	65.00	89.56	91.06	1.50
1	MH 1	5	94	A Special	6.00	89.70	91.10	1.40
1	MH 1	6	95	A Special	26.00	89.82	91.22	1.40
LINE NO.	MANHOLE NO.	HC NO.	LOT NAME	CONNECTION TYPE	CHAINAGE	IL SEWER	IL BRANCH	BRANCH HEIGHT
2	Ex MH B	7	96	A Special	3.00	89.36	91.06	1.70
2	Ex MH B	8	83	B	9.00	89.48	91.08	1.60
2	Ex MH B	9	84	B	23.00	89.76	90.96	1.20
2	@ SMS 1	10	85	B	46.40	90.22	91.22	1.00
LINE NO.	MANHOLE NO.	HC NO.	LOT NAME	CONNECTION TYPE	CHAINAGE	IL SEWER	IL BRANCH	BRANCH HEIGHT
3	Ex MH C	11	88	A Special	5.00	89.67	90.77	1.10
3	@ SMS 2	12	87	B	28.10	90.13	90.93	0.80

TOTAL WORKS

NEW SEWER MAINS		
SIZE	TYPE	LENGTH
150mm	PVC SN8	206.65m

TOTAL WORKS

NEW WATER MAINS		
SIZE	TYPE	LENGTH
150mm	PVC (CL.12) SERIES 2 ONLY	14.4m
100mm	PVC (CL.16) SERIES 1 OR 2	24m
100mm	PVC (CL.12) SERIES 2 ONLY	4.2m

WATER MAIN DETAILS

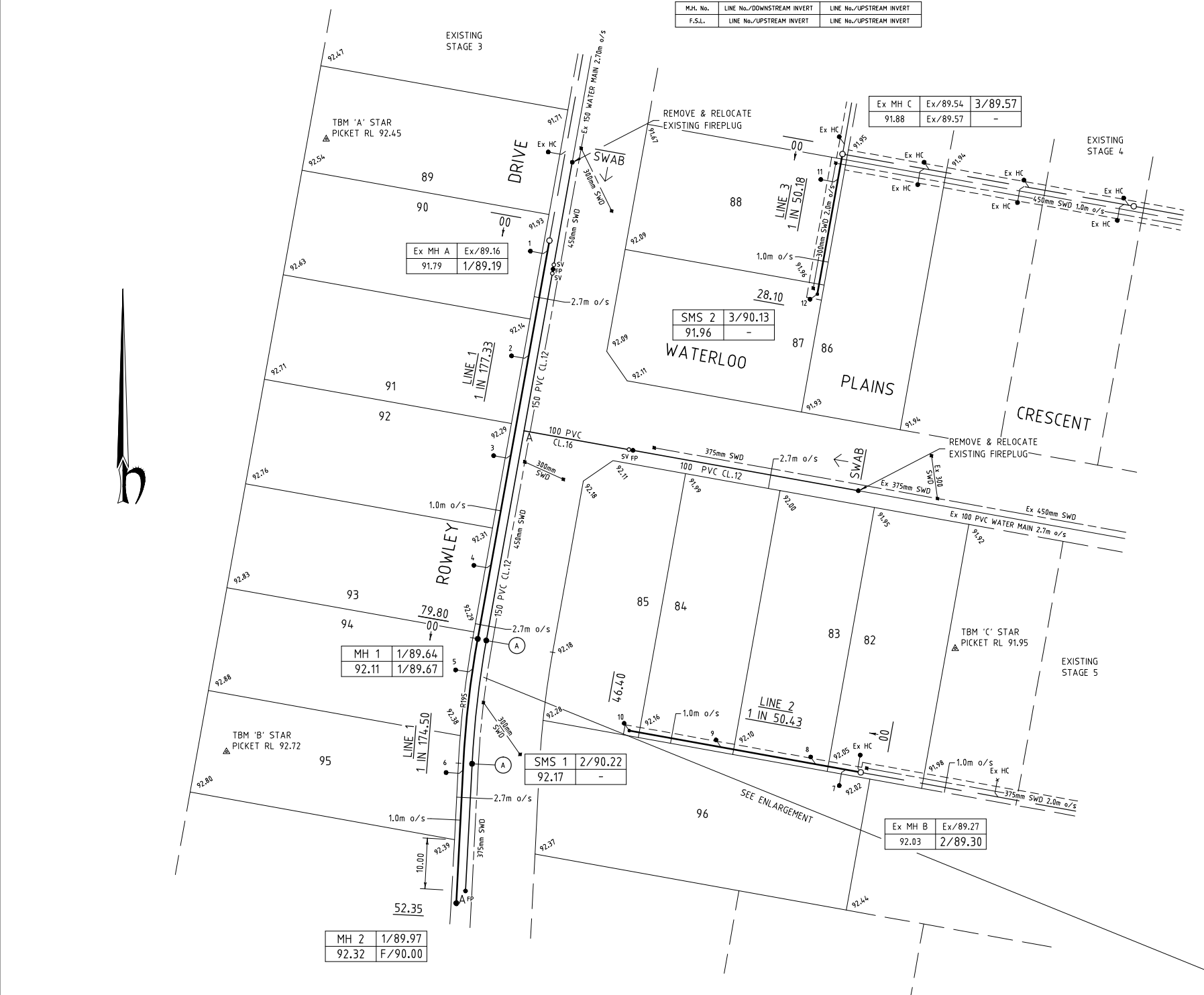
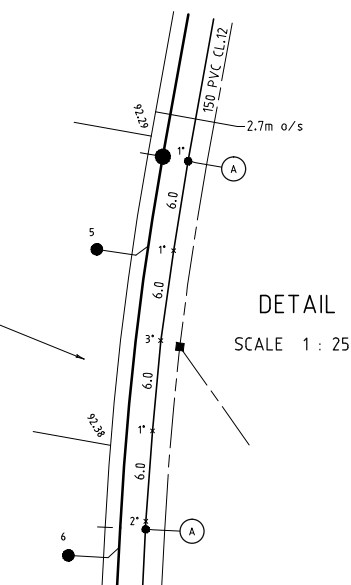
DESIGN PRESSURE (m head)	SYSTEM TEST PRESSURE (m head)
78.3	100.0

CONCRETE THRUST RESTRAINT SCHEDULE

LOCATION OF THRUST BLOCK	NOMINAL PIPE DIAMETER	TYPE OF FITTING	No. OF BLOCKS REQUIRED	AREA(Sm) PER THRUST BLOCK
A	150mm	TEE/CAP	2	0.23

CURVE WATERMAIN SCHEDULE

CURVE SECTION	CURVE RADIUS (m)	PIPEWORK		PIPE BENDS (No)				
		NUMBER OF 4m PIPE SECTIONS	NUMBER OF 3m PIPE SECTIONS	STANDARD CONNECTION (1" BEND)	DOUBLE SOCKET CONNECTION (1/2" BEND)	11"15' BEND	22"30' BEND	45"90' BEND
A-A	193.3	4	-	3	2	-	-	-



SURVEY MARKS AND LOCATIONS	LEVELS
▲ Ex PSM 24 MIRNEE - (SMES)	92.354
▲ Ex PSM 17 MIRNEE - (SMES)	89.273
▲ TBM 'A' STAR PICKET - LOT 89	92.45
▲ TBM 'B' STAR PICKET - LOT 95	92.72
▲ TBM 'C' STAR PICKET - EAST OF LOT 82	91.95

SERVICES LOCATION SCHEDULE

STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
WATERLOO PLAINS CRESCENT	1.90 N	2.10 S	2.70 S	2.50 N	4.25
ROWLEY DRIVE	1.90 E	2.10 W	2.70 W	2.50 E	4.25

CONSTRUCTION NOTES

- CONSTRUCTION OF SEWER AND WATER MAINS TO BE IN ACCORDANCE WITH BARWON WATER STANDARD SPECIFICATIONS "CONSTRUCTION OF GRAVITY SEWERS AND RISING MAINS" AND "CONSTRUCTION OF WATER MAINS".
- EVERY ENDEAVOUR TO ENSURE THE LOCATION OF ALL EXISTING SERVICES ON THE PLAN ARE CORRECT HOWEVER ACTUAL LOCATIONS ARE TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF EXCAVATION.
- NOMINAL SIZE OF WATER MAINS INDICATED IN MILLIMETERS, OFFSETS ARE INDICATED IN METRES.
- ALL SEWER PIPES ARE 150 Ø mm UNLESS OTHERWISE SHOWN.

PIPE TYPES	FITTINGS AND SYMBOLS	OTHER U/G SERVICES
ASBESTOS CEMENT AC	WATER CHANGE OF PIPE SIZE	EXISTING WATER MAIN
CAST IRON CEMENT LINED CI	MAINS NOT CONNECTED	STORM WATER
DUCTILE CEMENT LINED DC	VALVE	GAS
MILD STEEL CEMENT LINED MSCL	NON RETURN VALVE	TELSTRA
POLYVINYL CHLORIDE PVC	FIRE PLUG	ELECTRICITY (POLE)
POLYETHYLENE (AS SPECIFIED) PE	DEAD END CAP	EXISTING SEWER
REINFORCED CONCRETE RC		
VITREOUS CLAY VC		

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 153 YARRA STREET, GEELONG 3220 TEL 5223 2799 FAX 5223 2901

AMENDMENTS	DESCRIPTION	DATE
A	PLANS FOR ACCEPTANCE	AUG '18
REV	DESCRIPTION	DATE

EXTENSION No L015238
 ANDERSON STREET SUBDIVISION - STAGE 6
 WINCHELSEA
 SHEET 2 OF 3

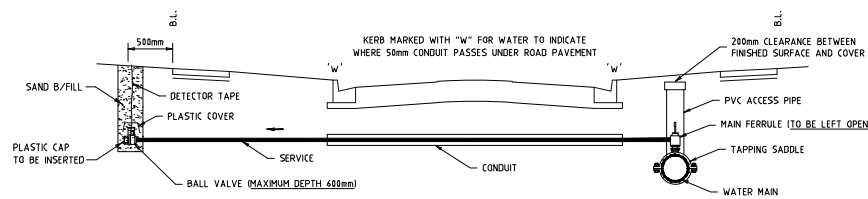
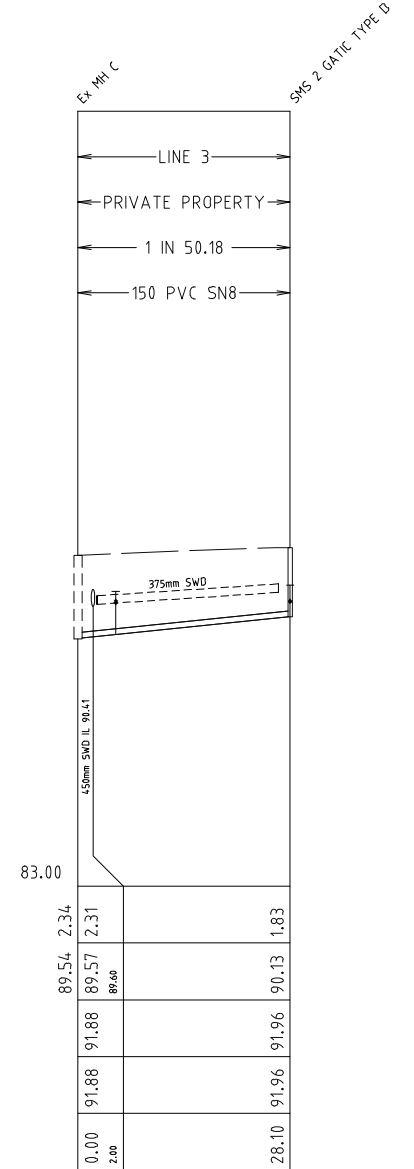
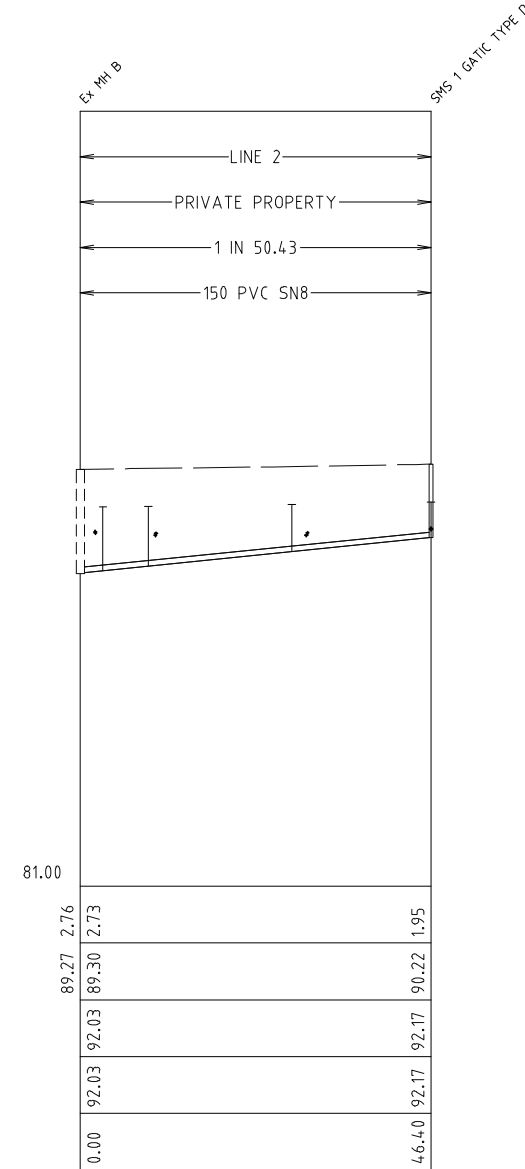
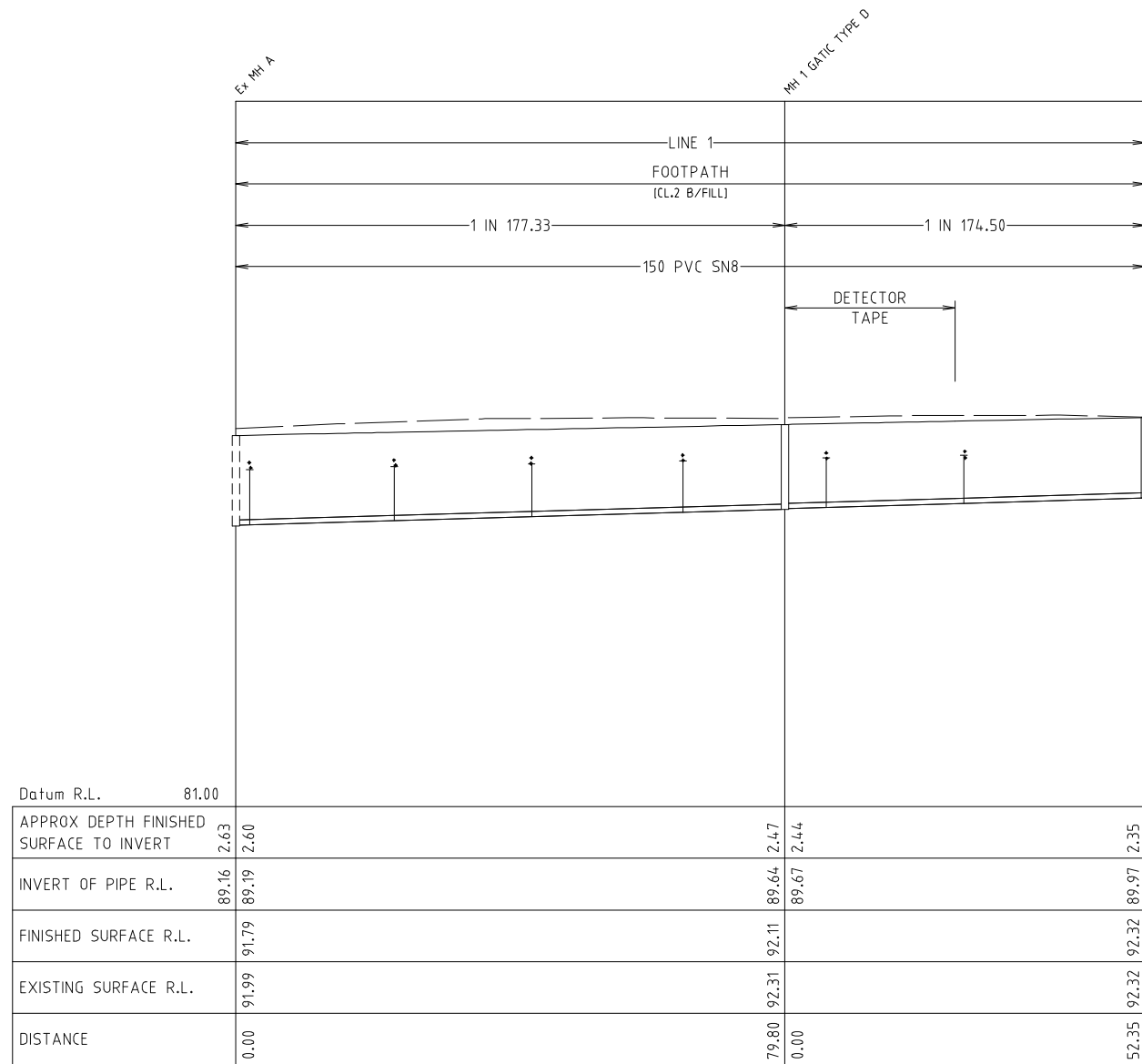
DESIGNED	JULY '18	DRAWN	JULY '18	CHECKED	
D.L. BERRY		D.L. BERRY		D.L. BERRY	
MGR.	PETER BERRY	EXECUTIVE MGR.			

SCALES - PLAN - SECTIONS - HORIZ. - VERT. - REVISION - A

ACCEPTED BY BARWON WATER

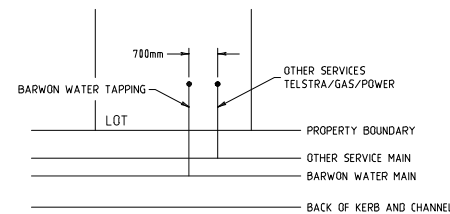
WORKS SHALL NOT COMMENCE UNTIL PLANS SIGNED BY BARWON WATER

SIGNED: _____
 LAND DEVELOPMENT CO-ORDINATOR
 INFRASTRUCTURE DELIVERY



- NOTE: (SEE NOTE 13 ON SHEET 1)
- PE SERVICE IS TO HAVE A COPPER TRACE WIRE
 - SERVICE PIPE BETWEEN MAIN FERRULE AND BALL VALVE TO BE A CONTINUOUS LENGTH (NO JOINS)
 - SERVICE TO BE TYPE 'B' COPPER OR CLASS 12 TYPE 50 PE.
 - BALL VALVE TO BE PLUGGED WITH A PLASTIC CAP AND COVERED WITH A PLASTIC COVER.

DRY TAPPING INSTALLATION
(NOT TO SCALE)



DRY TAPPING PLAN
(NOT TO SCALE)

ACCEPTED BY BARWON WATER

WORKS SHALL NOT COMMENCE UNTIL PLANS SIGNED BY BARWON WATER

SIGNED _____
LAND DEVELOPMENT CO-ORDINATOR
INFRASTRUCTURE DELIVERY

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POLYVINYL CHLORIDE	PVC
POLYETHYLENE (AS SPECIFIED)	PE
REINFORCED CONCRETE	RC
VITREOUS CLAY	VC

FITTINGS AND SYMBOLS

WATER	SEWER
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MAINS IN CONDUIT	TYPE 'C' SLIDE LINE
VALVE	OBSLIQUE JUNCTION
NON RETURN VALVE	TYPE 'A' SPECIAL
FIRE PLUG	
DEAD END CAP	

OTHER U/G SERVICES

EXISTING WATER MAIN
STORM WATER
GAS
TELSTRA
ELECTRICITY (IPOL)
EXISTING SEWER



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AMENDMENTS

REV	DESCRIPTION	DATE
A	PLANS FOR ACCEPTANCE	AUG '18

EXTENSION No L015238
ANDERSON STREET SUBDIVISION - STAGE 6
WINCHELSEA
SHEET 3 OF 3

DESIGNED	JULY '18	DRAWN	JULY '18	CHECKED	
D.L. BERRY		D.L. BERRY		D.L. BERRY	
MGR.	PETER BERRY		EXECUTIVE MGR.		

SCALES - PLAN	1:500
SECTIONS - HORIZ	1:100
VERT	1:100
REVISION	A