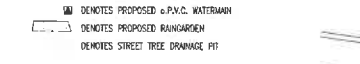


DEVELOPER CONTRACT PLAN

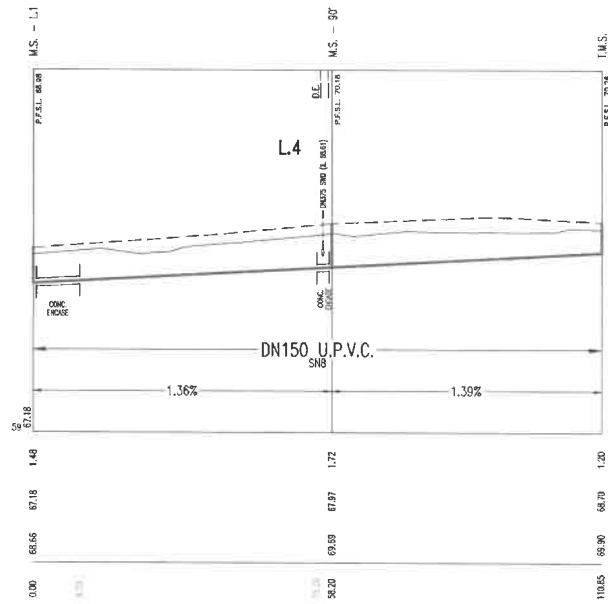
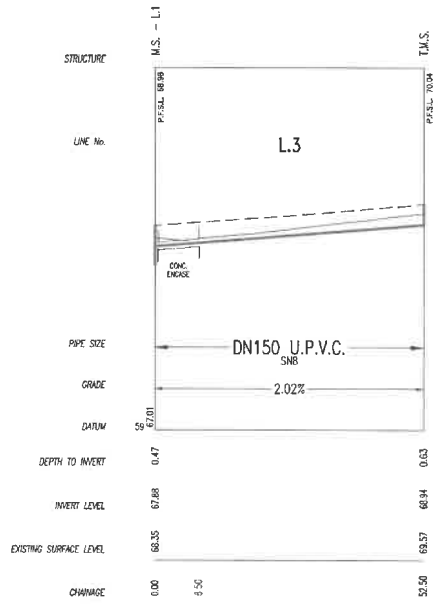
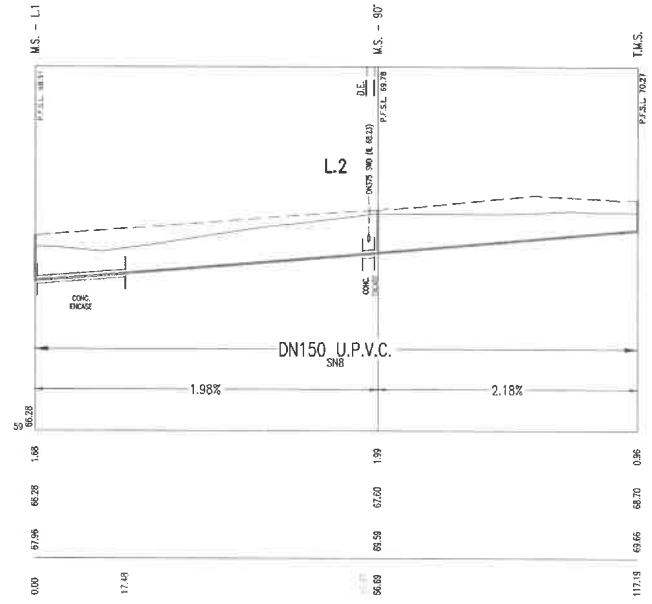
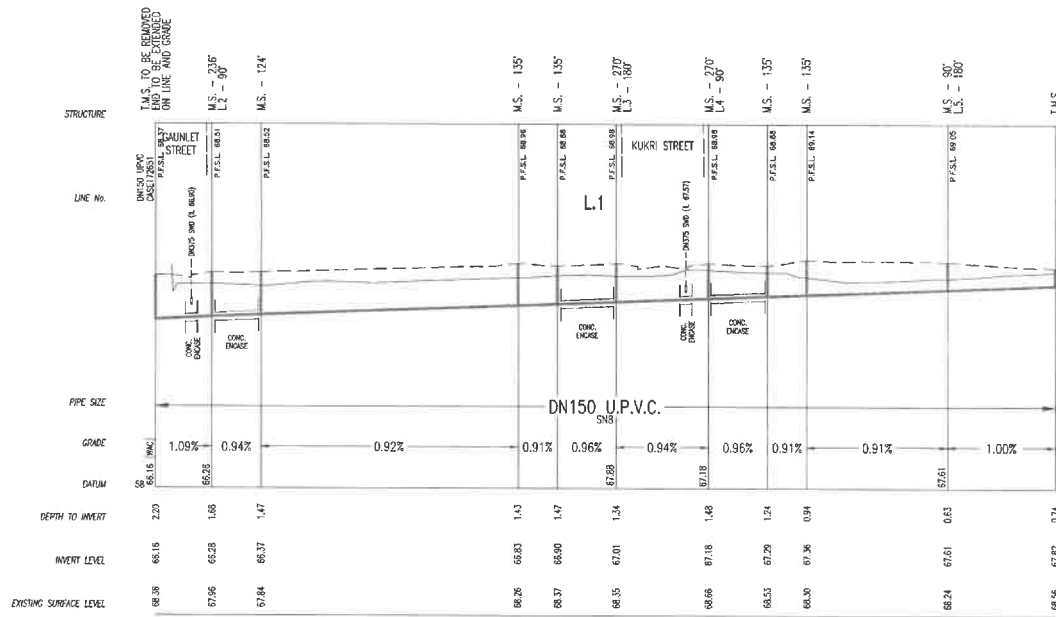


- NOTES:-
- WATER SERVICING COORDINATOR AND DESIGNER:
K.F. WILLIAMS ENVIRONMENTAL SERVICES PTY LTD
LEVEL 1, 487 PRINCES HIGHWAY
FERRY MEADOW 2519
PH 02 4228 7944
www.kfw.net.au
FOR:
AUSTRAL NORTH NOAHNE PTY LTD
PO BOX 512
CONCORD NSW 2137
PH 02 9352 4215
 - ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH SYDNEY WATER'S EDITION (VERSION 4) OF THE SEWER CODE OF AUSTRALIA WSA 02-2002-2.2 AND SYDNEY WATER DEEMED TO COMPLY DRAWINGS. THESE DOCUMENTS MUST BE ON SITE AT ALL TIMES.
 - ALL STRUCTURES TO BE CONSTRUCTED TO PROPOSED FINISHED SURFACE LEVELS. ALL LEVELS QUOTED ON THIS PLAN REFER TO THE PROPOSED FINISHED SURFACE LEVEL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LIAISE WITH THE CIVIL CONTRACTOR TO VERIFY FINISHED SURFACE LEVELS PRIOR TO CONSTRUCTING MAINTENANCE STRUCTURES.
 - ALL LEVELS ELECTRICALLY GENERATED, NO LEVEL BOOK AVAILABLE.
 - THE MINIMUM NUMBER OF FIELD COMPACTION TESTS REQUIRED TO SATISFY THE SEWERAGE CODE OF AUSTRALIA ARE:
PIPE EMBEZZMENT ZONE: 16 (WHEN USING APPROVED BEDDING MATERIALS)
TRENCH FILL ZONE - TRAFFICABLE: 16 (SEE NOTE 6)
TRENCH FILL ZONE - NON TRAFFICABLE: 9
TRENCH FILL ZONE - MAINTENANCE STRUCTURE: 23
 - ALL MAINS Laid IN FUTURE ROAD CARRIAGEWAYS MAY HAVE STABILISED SAND (20:1 MIX) TRENCH BACKFILL TO SUBGRADE LEVEL IN LIEU OF COMPACTION TESTING.
 - A CURRENT SERVICES SEARCH AND SITE CHECK OF ALL EXISTING SERVICES IS REQUIRED TO BE UNDERTAKEN BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK. APPROPRIATE PROCEDURES & PRECAUTIONS NEED TO BE TAKEN BY THE CONTRACTOR WHEN WORKING IN CLOSE PROXIMITY TO SERVICES. ANY DAMAGE TO EXISTING SERVICES IS TO BE RECTIFIED AT THE CONTRACTOR'S EXPENSE.
 - ALL SERVICES SHOWN ARE INDICATIVE ONLY. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL EXISTING SERVICES VIA NON-DESTRUCTIVE POTHOLING PRIOR TO CONSTRUCTION AND PROVIDE ALL REPORTS TO THE W.S.C. FOR REVIEW.
 - DEFLECTION ANGLES IN STRUCTURES ARE MEASURED CLOCKWISE FROM THE OUTLET P.P.C.
 - CONTRACTOR IS TO VERIFY LOCATION AND INVERT LEVEL OF EXISTING SEWER AT ALL CONNECTION POINTS PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE W.S.C.
 - ALL EXCAVATION, SHORING AND STABILITY OF ADJACENT STRUCTURES/SERVICES/CELLINGS IS THE RESPONSIBILITY OF THE CONTRACTOR. USE OF SHORING BOXES, SAND CEMENT BACKFILL OR CONCRETE ENGAGEMENT IS NOT A FORM OF STABILITY CONTROL.
 - IF UNSTABLE GROUND (LESS THAN 50kPa ALLOWABLE BEARING CAPACITY FOR PIPES AND 100kPa ALLOWABLE BEARING CAPACITY FOR M/S <6m IN DEPTH) OR WATER CHARGED GROUND IS FOUND, CONTRACTOR IS TO STOP WORK IN THE AREA AND NOTIFY WSC.
 - ALL MAINTENANCE STRUCTURES SHALL BE IN ACCORDANCE WITH THE MAINTENANCE STRUCTURE SCHEDULE. SHOULD THE CONTRACTOR WISH TO USE A DIFFERENT FITTING THE W.S.C. MUST BE NOTIFIED IN WRITING.
 - JUNCTIONS FOR P.C.S.'S TO BE LOCATED MIN 0.7 METRE OFF THE DOWNSTREAM PROPERTY BOUNDARY, DOWNSTREAM EASEMENT OF 1.0M OFF THE EDGE OF THE MAINTENANCE STRUCTURE. FUTURE LOT BOUNDARIES SHALL BE PEGGED BY PROJECT SURVEYOR PRIOR TO P.C.S. INSTALLATION ON FUTURE LOTS.
/ DENOTES PROPERTY CONNECTION (REFER DTG-2120)
 - PIPES TO BE CONCRETE ENCASED SHOWN ACCORDINGLY.
SUPPORT TYPE 12U (REFER SDW-1206-V)
 - AREAS BOUND THIS NOT DRAINED:



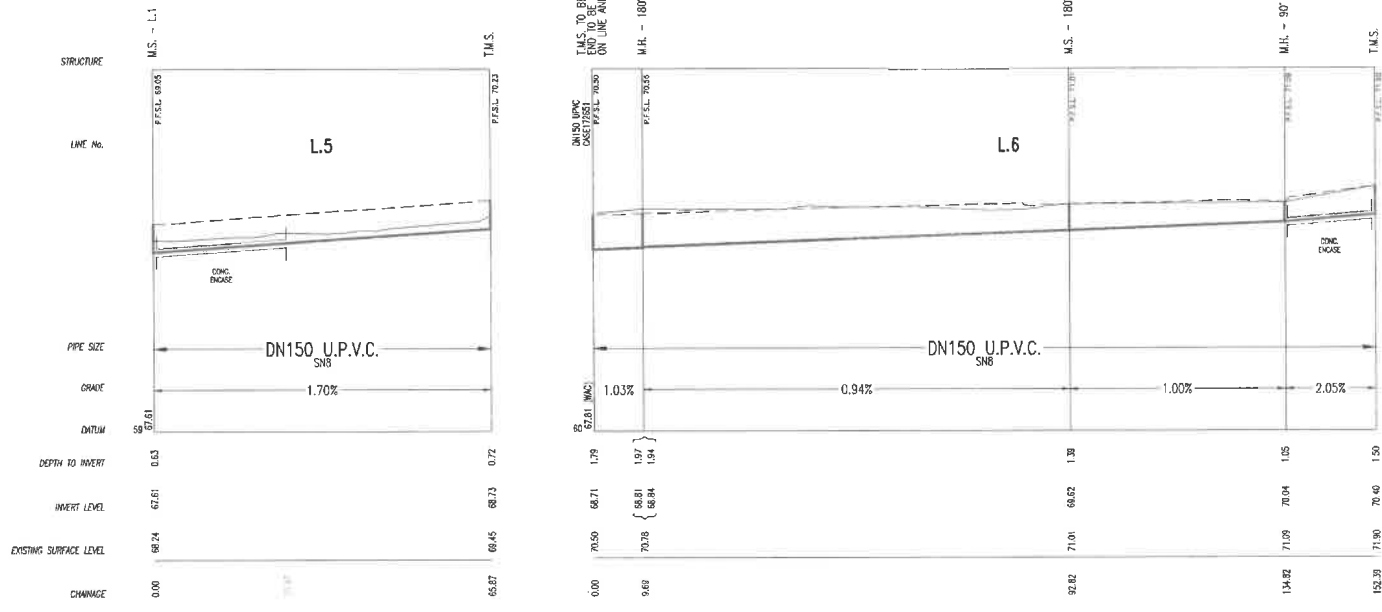
3	LINE 6 EXTENDED FOR FUTURE SUBDIVISION	M/K	19/10/22
2	AMENDMENTS TO CC CIVIL DESIGN	M/K	15/9/22
1	ISSUE FOR APPROVAL	M.K.	6/6/22
No.	AMENDMENT DESCRIPTION	BY	DATE

PLAN TO BE REFERRED IN CONJUNCTION WITH CURRENT SYDNEY WATER STANDARDS - CIVIL WATER CONNECTION		UTILITIES		WORK AS CONSTRUCTED CERTIFICATION		PIPE SCHEDULE		GDA 2020 NATIONAL HEIGHT DATUM		NO AMENDMENTS ARE TO BE MADE TO THIS PLAN WITHOUT REFERENCE TO SYDNEY WATER. THIS PLAN IS NOT NECESSARILY UP TO DATE OR COMPLETE AND SYDNEY WATER ACCEPTS NO RESPONSIBILITY.		Case No. 198075WW	
DATE TO COMMENCEMENT OF EXCAVATION OR APPROVED AND EXISTING SERVICES CONTACT	EX. STORMWATER: 500	DATE: 12/3/22	REF: POTHOLE	TYPE:	DATE:	REF:	DEVELOPER:	DATE:	SCALE:	SHEET 1 OF 3	FILE NO:	LIVERPOOL SEWERAGE DRAINS TO SP1150 VIA EIGHTEENTH AVENUE CARRIER	
DATE PROPERTY PEGGED	PROP. STORMWATER: 500	DATE: 23/7/22	REF: EA FLUM	TYPE:	DATE:	REF:	WATER SERVICE COORDINATOR	DATE:	1:500	1:100	1:100	198075WW	
DATE P.C.S. PEGGED	DATE:	DATE:	REF:	TYPE:	DATE:	REF:	DESIGNER:	DATE:	NO BOUNDARY TRAPS REQUIRED	SHEET 1 OF 3	FILE NO:	198075WW	
DATE TELECOMMUNICATIONS PEGGED	DATE:	DATE:	REF:	TYPE:	DATE:	REF:	I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS	DATE:	NO BOUNDARY TRAPS REQUIRED	SHEET 1 OF 3	FILE NO:	198075WW	
DATE POWER LINES PEGGED	DATE:	DATE:	REF:	TYPE:	DATE:	REF:	DESIGNER:	DATE:	NO BOUNDARY TRAPS REQUIRED	SHEET 1 OF 3	FILE NO:	198075WW	



WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	 Case No. 198075WW SHEET 2 OF 3	SYDNEY WATER CORPORATION FOR DETAILS OF SERVICES SEE SHEET 1
ENGINEER		
COMPLETION DATE		
ISSUED DATE		

A1F



MAINTENANCE STRUCTURE SCHEDULE

LINE NO	CHAINAGE	TYPE	DN RISER	CLASS OF COVER	MATERIAL	COMMENTS
1	10.99	M.S.	225	B	P.E. / PVC-U	POD PIT / C.A.M.S. TYPE (3-WAY)
1	20.60	M.S.	225	B	P.E. / PVC-U	POD PIT / C.A.M.S. TYPE
1	70.81	M.S.	225	B	P.E. / PVC-U	POD PIT / C.A.M.S. TYPE
1	78.47	M.S.	225	B	P.E. / PVC-U	POD PIT / C.A.M.S. TYPE
1	89.06	M.S.	300	B	P.E. / PVC-U	POD PIT / C.A.M.S. TYPE WITH HIGH LEVEL DROP INLET
1	107.06	M.S.	225	B	P.E. / PVC-U	POD PIT / C.A.M.S. TYPE (3-WAY)
1	118.45	M.S.	225	B	P.E. / PVC-U	POD PIT / C.A.M.S. TYPE
1	127.10	M.S.	225	B	P.E. / PVC-U	POD PIT / C.A.M.S. TYPE
1	154.58	M.S.	225	B	P.E. / PVC-U	POD PIT / C.A.M.S. TYPE (3-WAY)
1	175.58	T.M.S.	225	B	PVC-U	CONVENTIONAL T.M.S.
2	66.98	M.S.	225	D	P.E. / PVC-U	POD PIT / C.A.M.S. TYPE
2	117.11	T.M.S.	225	B	PVC-U	CONVENTIONAL T.M.S.
3	65.41	T.M.S.	225	B	PVC-U	CONVENTIONAL T.M.S.
4	69.66	M.S.	225	B	P.E. / PVC-U	POD PIT / C.A.M.S. TYPE
4	170.33	T.M.S.	225	B	PVC-U	CONVENTIONAL T.M.S.
5	65.87	T.M.S.	225	B	PVC-U	CONVENTIONAL T.M.S.
6	9.69	M.H.	1050	B	CAST IN-SITU CONCRETE	DTC-2203
6	92.82	M.S.	225	B	P.E. / PVC-U	POD PIT / C.A.M.S. TYPE
6	134.82	M.S.	225	B	P.E. / PVC-U	POD PIT / C.A.M.S. TYPE
6	152.39	T.M.S.	225	B	PVC-U	CONVENTIONAL T.M.S.

WATER SYDNEY WATER CORPORATION Case No. 198075WW		SHEET 3 OF 3 SHEETS
SYDNEY WATER CORPORATION FOR DETAILS OF SERVICES SEE SHEET 1		