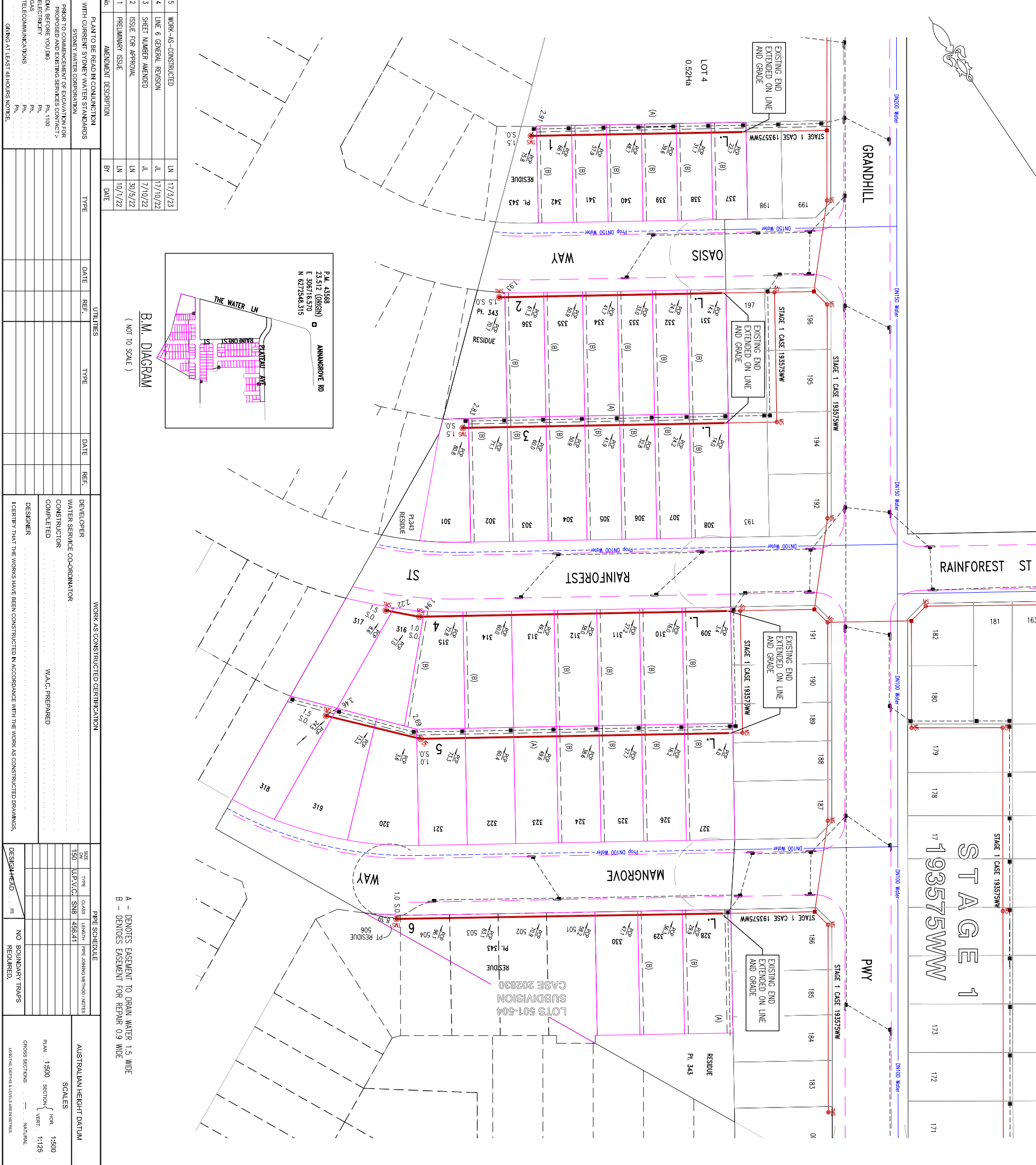


DEVELOPER CONTRACT PLAN
WORK-AS-CONSTRUCTED



NOTES:-

1. WATER SERVICE COORDINATORS:
OLSEN INFRASTRUCTURE PTY LTD
PO BOX 552 KELLYVILLE NSW 2155
PH: (02) 9899 4001 FAX: (02) 9899 6005
2. ALL LOTS VACANT AT TIME OF SURVEY.
3. ALL STRUCTURES CONSTRUCTED TO PROPOSED FINISHED SURFACE LEVELS.
4. THE PROPOSED WORKS DETAIL HERE ON CONSTRUCTED IN ACCORDANCE WITH THE WATER SERVICES ASSOCIATION OF AUSTRALIA (WSA) NATIONAL CODES AND APPLICABLE STONEY WATER SUPERINTENDANTS AND TECHNICAL REQUIREMENTS - MAJOR WORKS SEWER. THE CONSTRUCTOR HAS A COPY OF THESE DOCUMENTS OF SITE AT ALL TIMES.
5. SEWER RETICULATION CODE OF AUSTRALIA WSA 02-2002-2.2 VERSION 4 MAY 2017
STONEY WATER SUPERINTENDANTS AND APPENDICES
6. PRIOR TO APPLICATION FOR CONSTRUCTION COMMENCEMENT NOTICE (CON ADRN) THE CONSTRUCTOR MUST FORWARD TO THE WSA (DELIVER) THE FOLLOWING DOCUMENTATION OUTLINE:
O.A. SYSTEM CERTIFICATE OF CURRENT CONSTRUCTION PROGRAM (INCLUDING ALL PRECAUTIONS TO MINIMISE INCONVENIENCE, RESTORATION) PROPOSED ENVIRONMENTAL PROTECTION MEASURES DURING CONSTRUCTION
S.W.M.S. DETAILS OF STONEY WATER ACCREDITED PERSONNEL THAT WILL CARRY OUT THE WORKS.
EVIDENCE OF CURRENT D.B.V.D. SERVICES INVESTIGATIONS AND REPORT.
7. CONSTRUCTOR SUBMITTED COMMENCEMENT NOTICE TO STONEY WATER FIELD OFFICER GIVING A MIN. 48 HOURS, PRIOR TO START OF CONSTRUCTION WORKS.
8. CONSTRUCTOR INSTALLED NON-DETECTABLE TAPE AND RAISE TO THE SURFACE AT ALL JUNCTIONS.
9. PIPES TO BE CONCRETE ENCASED SHOWN ACCORDINGLY:
10. BUILDING OVER/ADJACENT TO SEWER, CONDITIONS APPLY.
11. ALL LEVELS ELECTRONICALLY GENERATED, NO LEVEL BOOK AVAILABLE.
12. THE MINIMUM NUMBER OF FIELD COMPACTION TESTS REQUIRED TO SATISFY THE SEWERAGE CODE OF AUSTRALIA ARE:
PIPE EMBEDMENT ZONE: NIL (BASED ON WSA 02-2002 PART 3 CL 22.3.3.1)
TRENCH FILL ZONE: - TYPICAL (1 PER 300mm LAYER/50m), N/A
TRENCH FILL ZONE: - NON-TYPICAL (1 PER 300mm LAYER/100m); 12
ADJACENT M.H./M.S. - 2 PER M.H./M.S.; 14
13. NUMBER OF TESTS VERIFIED BY AN ACCREDITED FIELD TESTER, NUMBERS PROVIDED ABOVE TO BE USED AS A GUIDE ONLY. THE FIELD TESTER MUST ENSURE THE CORRECT NUMBER OF TESTS IS CARRIED OUT TO SATISFY THE SEWERAGE CODE OF AUSTRALIA AS PER STONEY WATER'S INSURANCE TO FIELD TESTERS.
14. ALL T.A.S. AND M.S. COVERS CLASS 'D' OR CLASS 'B' WHERE SHOWN.
15. NEW CUSTOMER DRAIN CONNECTIONS CONSTRUCTED CONCURRENTLY WITH THE NEW SEWER MUST BE CONSTRUCTED BY A LICENSED PLUMBER. THE WORKS MUST BE INSTALLED IN ACCORDANCE WITH THE CURRENT NSW CODE OF PRACTICE FOR PLUMBING AND DRAINAGE AND AS/NZS3500. THE CUSTOMER DRAIN CONNECTION MUST BE INSPECTED BY A FAIR TRADING PLUMBING INSPECTION ASSURANCE SERVICE (PTIS) OFFICER PRIOR TO BACKFILL.
16. A REGISTERED SUPERVISOR IS TO VERIFY EXISTING INVERT LEVELS, LOCATION AND LEVEL OF EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTOR MUST OBTAIN AN UPDATED SERVICES SEARCH (BRO) PRIOR TO COMMENCING CONSTRUCTION.
17. THIS PLAN READ IN CONJUNCTION WITH DEEMED TO COMPLY DRAWINGS AS LISTED BELOW:
DTC 2120 - DN100 PVC-U - PROPERTY CONNECTION SEWER FOR SINGLE PROPERTY - ISSUE A DATED 18/3/15
18. ALL MAINTENANCE SHEDS SMARTSTREAM P00 P10 OR AWARD00 CANS MS ONLY.
19. POP JUNCTIONS DN150 x 100.
20. THIS PLAN USES GDA2020 COORDINATES.

ENVIRONMENT NOTES:-

1. AREAS DOWNSLOPE OF CONSTRUCTION ACTIVITY ADEQUATELY PROTECTED FROM SEDIMENT POLLUTION ETC. SILT TRAP DEVICES ARE TO BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY, EFFECTIVELY MAINTAINED AND REMOVED ONLY AFTER THE AREA HAS BEEN SATISFACTORILY REVEGETATED.
2. ALL STORMWATER GRATES DOWNSLOPE OF CONSTRUCTION ACTIVITY ADEQUATELY PROTECTED BY STRAPABLES WRAPPED IN GEOTEXTILE FABRIC.
3. ALL OPEN CHANNELS AND OPEN DRAINAGE LINES DOWNSLOPE OF CONSTRUCTION ACTIVITY ADEQUATELY PROTECTED BY STRAPABLE OR GEOTEXTILE FENCE.
4. THE EXTENT OF CLEARING OF VEGETATION KEPT TO AN ABSOLUTE MINIMUM NECESSARY TO EFFECT THE WORKS.

PIPE SCHEDULE

SIZE	TYPE	CLASS	LEADIN	PIPE JOINTING METHOD/NOTES
150	U.P.V.C.	SNB	456/41	

AUSTRALIAN HEIGHT DATUM SCALES

PLAN	VERT.
1:300	1:300
1:125	1:125

DESIGNER'S DECLARATION

I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK-AS-CONSTRUCTED DRAWINGS.

DESIGNER _____ **DATE** _____

DEVELOPER _____ **DATE** _____

W.A.C. PREPARED _____

NO BOUNDARY TRAPS REQUIRED.

PIPE SCHEDULE

PIPE SCHEDULE	CLASS	LEADIN	PIPE JOINTING METHOD/NOTES
150	U.P.V.C.	SNB	456/41

AUSTRALIAN HEIGHT DATUM SCALES

PLAN	VERT.
1:300	1:300
1:125	1:125

NO AMENDMENTS ARE TO BE MADE TO THIS PLAN WITHOUT REFERENCE TO STONEY WATER. THIS PLAN IS NOT NECESSARILY UP TO DATE OR CORRECT AND STONEY WATER ACCEPTS NO RESPONSIBILITY.

U.S. DIRECTOR _____ **209 J-10 (51st Edition)**

SHEET 1 OF 3 File No. N/A

SYDNEY WATER
STONEY WATER CORPORATION
Case No. 193577WW
THE HILLS SEWERAGE DRAINS TO ROUSE HILL WRP

No.	AMENDMENT DESCRIPTION	LN	DATE
1	PRELIMINARY ISSUE	LN	10/1/22
2	ISSUE FOR APPROVAL	LN	30/5/22
3	SHEET NUMBER AMENDED	JL	7/10/22
4	LINE 6 GENERAL REVISION	JL	17/10/22
5	WORK-AS-CONSTRUCTED	LN	17/3/23

PLANT TO BE READ IN CONJUNCTION WITH CURRENT STONEY WATER STANDARDS	TYPE	DATE
STONEY WATER CORPORATION		

UTILITIES	TYPE	DATE	REF.
WATER SERVICE CO-ORDINATOR			
DEVELOPER			
CONSTRUCTOR			
DESIGNER			

WORK AS CONSTRUCTED CERTIFICATION	DATE	REF.
W.A.C. PREPARED		

UTLITIES	TYPE	DATE	REF.
WATER SERVICE CO-ORDINATOR			
DEVELOPER			
CONSTRUCTOR			
DESIGNER			

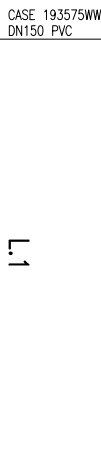
PIPE SCHEDULE	CLASS	LEADIN	PIPE JOINTING METHOD/NOTES
150	U.P.V.C.	SNB	456/41

PLAN DRAWN DATE:	VERSION:	SHEETS
17/03/2023	5	3

DEVELOPER CONTRACT PLAN
WORK-AS-CONSTRUCTED

STRUCTURE

LINE No.



EXISTING END TO BE EXTENDED ON LINE AND GRADE

END WITH T.M.S.

L.1

L.2

L.3

L.4

EXISTING END TO BE EXTENDED ON LINE AND GRADE

END WITH T.M.S.

EXISTING END TO BE EXTENDED ON LINE AND GRADE

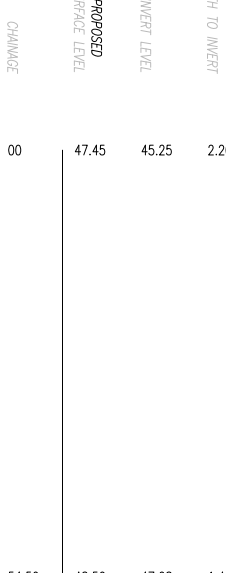
END WITH T.M.S.

EXISTING END TO BE EXTENDED ON LINE AND GRADE

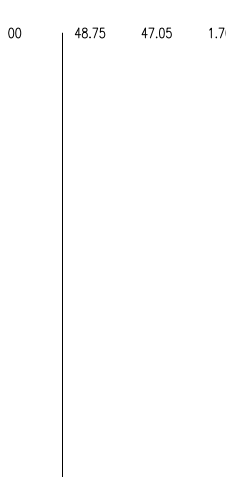
M.S. - 12'0"

END WITH T.M.S.

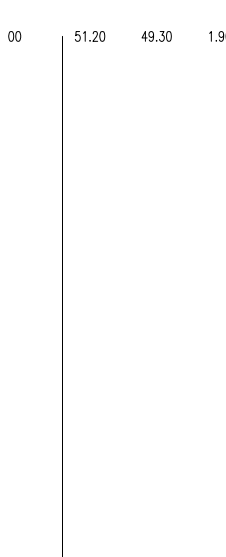
PPE SIZE
GRADE
DATUM



PPE SIZE
GRADE
DATUM

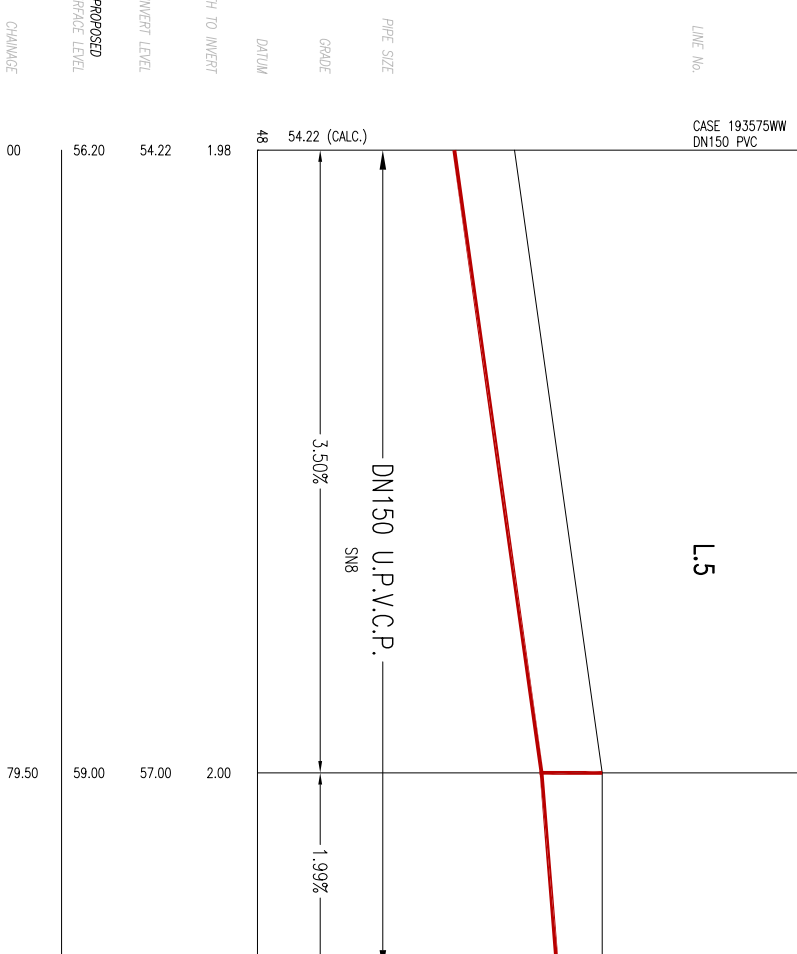


PPE SIZE
GRADE
DATUM



STRUCTURE

LINE No.



EXISTING END TO BE EXTENDED ON LINE AND GRADE

M.S. - 15'0"

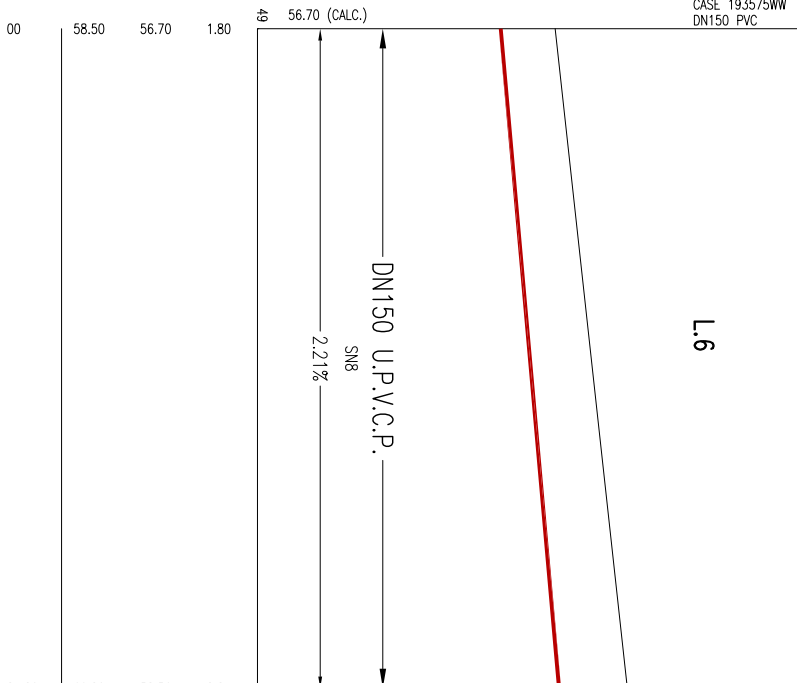
END WITH T.M.S.

L.5

L.6

EXISTING END TO BE EXTENDED ON LINE AND GRADE

END WITH T.M.S.



DEPTH TO INVERT
INVERT LEVEL
PROPOSED SURFACE LEVEL
CHANNEL

48	54.22 (CALC.)	3.50%	54.22	1.98	2.00	1.50
79.50	59.00	1.99%	57.00	57.50	59.00	59.00
104.64	59.00		57.50			

49	56.70 (CALC.)	2.21%	56.70	1.80	2.24	
84.20	60.80		58.56			

5	WORK-AS-CONSTRUCTED	LN	17/3/23
4	LINE 6 GENERAL REVISION	JL	17/10/22
3	SHEET NUMBER AMENDED	JL	7/10/22
2	ISSUE FOR APPROVAL	LN	30/5/22
1	PRELIMINARY ISSUE	LN	10/1/22
	AMENDMENT DESCRIPTION	BY	DATE

WORK AS CONSTRUCTED CERTIFICATION

DEVELOPER: **Sydney WATER**

CONSTRUCTOR: **Sydney WATER**

DESIGNER: **Sydney WATER CORPORATION**


Case No. 193577WW SH 2 OF 3 SHTS.

FOR DETAILS OF SERVICES SEE SHEET 1

MAINTENANCE STRUCTURE SCHEDULE

LINE No.	CHAINAGE	MH MS TMS	DN RISER	COVER CLASS	MATERIAL	COMMENTS
1	0	END	-	-	-	-
	54.50	TMS	DN225	B	U.P.V.C	TO COMPLY WITH WSA 137.
2	0	END	-	-	-	-
	57.50	TMS	DN225	B	U.P.V.C	TO COMPLY WITH WSA 137.
3	0	END	-	-	-	-
	67.50	TMS	DN225	B	U.P.V.C	TO COMPLY WITH WSA 137.
4	0	END	-	-	-	-
	79.27	MS	DN225	B	U.P.V.C	TO COMPLY WITH WSA 137. MS 12' DEFLECTION.
	88.07	TMS	DN225	B	U.P.V.C	TO COMPLY WITH WSA 137.
5	0	END	-	-	-	-
	79.50	MS	DN225	B	U.P.V.C	TO COMPLY WITH WSA 137. MS 15' DEFLECTION.
	104.64	TMS	DN225	B	U.P.V.C	TO COMPLY WITH WSA 137.
6	0	END	-	-	-	-
	84.20	TMS	DN225	D	U.P.V.C	TO COMPLY WITH WSA 137.

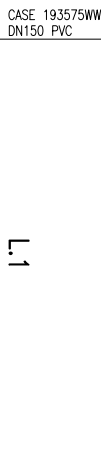
No.	AMENDMENT DESCRIPTION	BY	DATE
5	WORK-AS-CONSTRUCTED	LN	17/3/23
4	LINE 6 GENERAL REVISION	LL	17/10/22
3	GENERAL REVISION	LL	28/6/22
2	ISSUE FOR APPROVAL	LN	30/5/22
1	PRELIMINARY ISSUE	ML	10/1/22

WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	.....	SYDNEY WATER CORPORATION	Case No. 193577WW | SH 3 OF 3 SHTS.
W.S.C.	.....	
CONSTRUCTOR	.....	
COMPLETED	.....	
W.A.C. PREPARED	.....	
DESIGNER	.....	
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS			
			FOR DETAILS OF SERVICES SEE SHEET 1

DEVELOPER CONTRACT PLAN
WORK-AS-CONSTRUCTED

STRUCTURE

LINE No.



EXISTING END TO BE EXTENDED ON LINE AND GRADE

END WITH T.M.S.

L.1



EXISTING END TO BE EXTENDED ON LINE AND GRADE

END WITH T.M.S.

L.2



EXISTING END TO BE EXTENDED ON LINE AND GRADE

END WITH T.M.S.

L.3



EXISTING END TO BE EXTENDED ON LINE AND GRADE

END WITH T.M.S.

L.4

M.S. - 12'0"

DEPTH TO INVERT

INVERT LEVEL

PROPOSED SURFACE LEVEL

CHANNEL

00	47.45	45.25	2.20
54.50	48.50	47.08	1.42

DEPTH TO INVERT

INVERT LEVEL

PROPOSED SURFACE LEVEL

CHANNEL

00	48.75	47.05	1.70
57.50	50.50	48.54	1.96

DEPTH TO INVERT

INVERT LEVEL

PROPOSED SURFACE LEVEL

CHANNEL

00	51.20	49.30	1.90
67.50	53.00	51.30	1.70

DEPTH TO INVERT

INVERT LEVEL

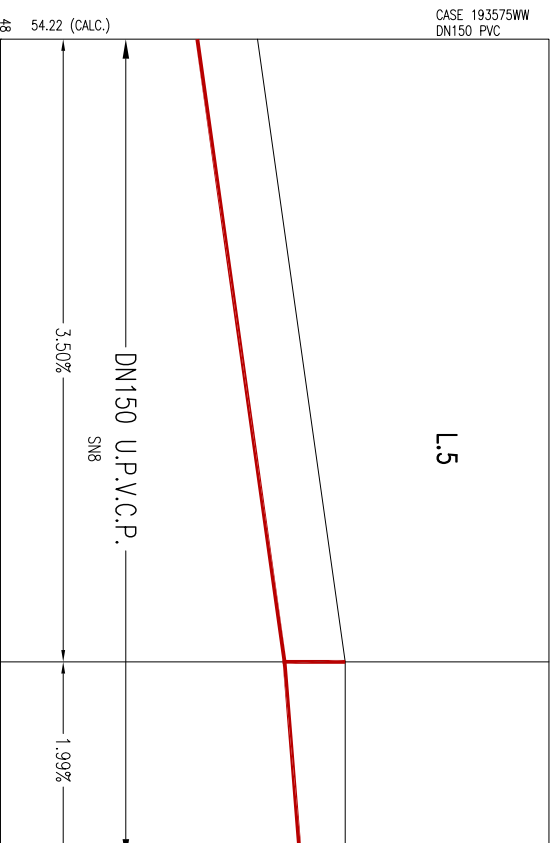
PROPOSED SURFACE LEVEL

CHANNEL

00	52.45	50.15	2.30
79.27	55.50	53.57	1.93
88.07	55.50	53.90	1.60

STRUCTURE

LINE No.

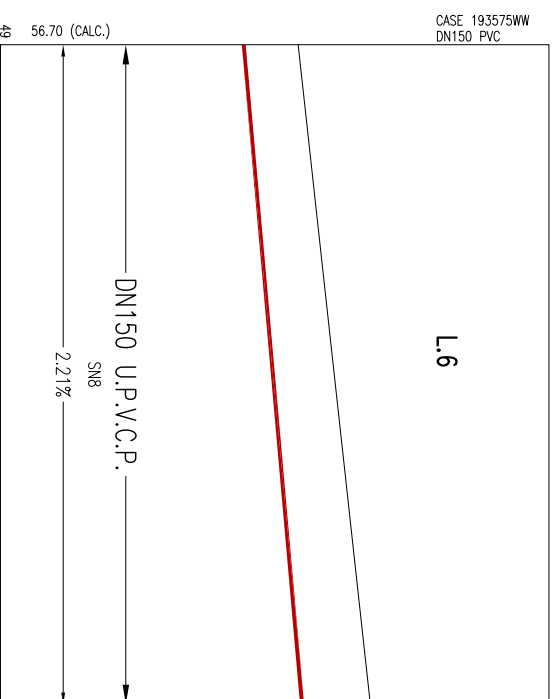


EXISTING END TO BE EXTENDED ON LINE AND GRADE

M.S. - 15'0"

END WITH T.M.S.

L.5



EXISTING END TO BE EXTENDED ON LINE AND GRADE

END WITH T.M.S.

L.6

DEPTH TO INVERT

INVERT LEVEL

PROPOSED SURFACE LEVEL

CHANNEL

48	54.22 (CALC.)	47.45	6.77
79.50	59.00	57.00	2.00
104.64	59.00	57.50	1.50

DEPTH TO INVERT

INVERT LEVEL

PROPOSED SURFACE LEVEL

CHANNEL

49	56.70 (CALC.)	58.50	1.80
84.20	60.80	58.56	2.24

5	WORK-AS-CONSTRUCTED	LN	17/3/23
4	LINE 6 GENERAL REVISION	JL	17/10/22
3	SHEET NUMBER AMENDED	JL	7/10/22
2	ISSUE FOR APPROVAL	LN	30/5/22
1	PRELIMINARY ISSUE	LN	10/1/22
	AMENDMENT DESCRIPTION	BY	DATE

WORK AS CONSTRUCTED CERTIFICATION

DEVELOPER: SYDNEY WATER CORPORATION

DESIGNER: SYDNEY WATER CORPORATION

CONSTRUCTOR: SYDNEY WATER CORPORATION

W.A.C. PREPARED: SYDNEY WATER CORPORATION


Case No. 193577WW SH 2 OF 3 SHTS.

FOR DETAILS OF SERVICES SEE SHEET 1

MAINTENANCE STRUCTURE SCHEDULE

LINE No.	CHAINAGE	MH MS TMS	DN RISER	COVER CLASS	MATERIAL	COMMENTS
1	0	END	-	-	-	-
	54.50	TMS	DN225	B	U.P.V.C	TO COMPLY WITH WSA 137.
2	0	END	-	-	-	-
	57.50	TMS	DN225	B	U.P.V.C	TO COMPLY WITH WSA 137.
3	0	END	-	-	-	-
	67.50	TMS	DN225	B	U.P.V.C	TO COMPLY WITH WSA 137.
4	0	END	-	-	-	-
	79.27	MS	DN225	B	U.P.V.C	TO COMPLY WITH WSA 137. MS 12' DEFLECTION.
	88.07	TMS	DN225	B	U.P.V.C	TO COMPLY WITH WSA 137.
5	0	END	-	-	-	-
	79.50	MS	DN225	B	U.P.V.C	TO COMPLY WITH WSA 137. MS 15' DEFLECTION.
	104.64	TMS	DN225	B	U.P.V.C	TO COMPLY WITH WSA 137.
6	0	END	-	-	-	-
	84.20	TMS	DN225	D	U.P.V.C	TO COMPLY WITH WSA 137.

No.	AMENDMENT DESCRIPTION	BY	DATE
5	WORK-AS-CONSTRUCTED	LN	17/3/23
4	LINE 6 GENERAL REVISION	LL	17/10/22
3	GENERAL REVISION	LL	28/6/22
2	ISSUE FOR APPROVAL	LN	30/5/22
1	PRELIMINARY ISSUE	ML	10/1/22

WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	.....	SYDNEY WATER CORPORATION	Case No. 193577WW | SH 3 OF 3 SHTS.
W.S.C.	.....	
CONSTRUCTOR	.....	
COMPLETED	.....	
W.A.C. PREPARED	.....	
DESIGNER	.....	
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS			
			FOR DETAILS OF SERVICES SEE SHEET 1