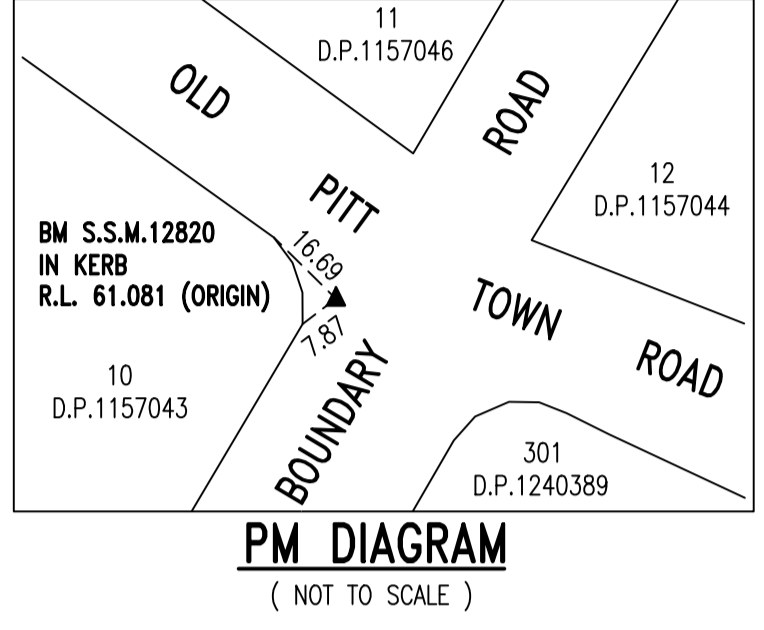


NOTES :-
 WATER SERVICING CO-ORDINATOR,
 SURVEY, DESIGN & FINAL PLANS PREPARED BY:
 COLLIER'S ENGINEERING & DESIGN
 P.O. BOX 3220, RHODES NSW 2138
 PH: 9876-8395 FAX 9869-2341

FOR: DH BOX HILL PTY LTD
 SUIT 502, LEVEL 5, 2 ELIZABETH PLAZZA, NORTH SYDNEY,
 NSW, 2060
 PH. (04) 5029 5188

- ALL LOTS WERE VACANT AT TIME OF SURVEY.
- ALL STRUCTURES CONSTRUCTED TO FINISHED SURFACE LEVELS. THE CONSTRUCTOR LIAISED WITH THE SITE SUPERINTENDENT/CIVIL CONTRACTOR TO VERIFY ALL FINAL LEVELS.
- PIPES CONCRETE ENCASED SHOWN ACCORDINGLY:
- ALL LEVELS ELECTRONICALLY GENERATED. NO LEVEL BOOK AVAILABLE.
- SERVICES SHOWN ARE INDICATIVE ONLY. A CURRENT SERVICES SEARCH AND SITE CHECK OF ALL EXISTING SERVICES CONDUCTED PRIOR TO COMMENCEMENT OF THE WORK AND APPROPRIATE PROCEDURES, PRECAUTIONS AND CARE TAKEN WHEN WORKING WITHIN CLOSE PROXIMITY OF ANY SERVICES.
- THE CONSTRUCTOR DETERMINED LEVELS & LOCATIONS OF SERVICES PRIOR TO CONSTRUCTION.
- THE WORKS DETAILED HERE ON CONSTRUCTED IN ACCORDANCE WITH THE WATER SERVICES ASSOCIATION OF AUSTRALIA - SEWERAGE CODE OF AUSTRALIA WSA 02-2002-2.2 - SYDNEY WATER EDITION - VERSION 4 - 2017. THE CONTRACTOR HAD A COPY OF THIS DOCUMENT ON SITE AT ALL TIMES.
- THE MINIMUM NUMBER OF FIELD COMPACTION TESTS REQUIRED TO SATISFY THE SEWERAGE CODE OF AUSTRALIA - SYDNEY WATER EDITION - VERSION 4 ARE:
 - PIPE EMBEDMENT ZONE: NIL (USING 7mm/10mm/14mm SINGLE SIZE AGGREGATES)
 - TRENCH FILL ZONE - TRAFFICABLE: (1 TEST PER 300mm LAYER PER 50m OF SEWER MAIN) TOTAL No. OF TESTS: NIL (USING 14:1 SAND/CEMENT STABILISER)
 - TRENCH FILL ZONE - NON-TRAFFICABLE: (1 TEST PER 900mm LAYER PER 100m OF SEWER MAIN) TOTAL No. OF TESTS: 87
 - FOR M.S.s & M.H.s: (1 TEST PER 1m DEPTH AT ONE LOCATION WITHIN 300mm OF EACH M.S. & M.H.) TOTAL No. OF TESTS: 145



M.G.A. 2020 TABLE		ZONE 56			
COMBINED M.S.L. & SCALE FACTOR - 1.000059					
STATION	EASTING	NORTHING	CLASS	SOURCE	
SSM	12820	304 246.978	6 276 478.970	B	SCMS

- PROPERTY CONNECTION SEWERS (P.C.S.) CONSTRUCTED IN ACCORDANCE WITH SYDNEY WATER STANDARD DRAWING SEW-1151-S. REFER TO WATER SERVICES ASSOCIATION OF AUSTRALIA - SEWERAGE CODE OF AUSTRALIA WSA 02-2002-2.2 - SYDNEY WATER EDITION - VERSION 4 - 2017.
- AREAS DOWNSLOPE OF CONSTRUCTION ACTIVITY ADEQUATELY PROTECTED FROM SEDIMENT POLLUTION ETC. SILT TRAP DEVICES INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY, EFFECTIVELY MAINTAINED AND REMOVED ONLY AFTER THE AREA HAD BEEN SATISFACTORILY REVEGETATED
- SILTATION CONTROLS, SITE RESTORATION AND ENVIRONMENTAL REQUIREMENTS CARRIED OUT TO THE SATISFACTION OF THE WATER SERVICES CO-ORDINATOR OR THEIR FIELD REPRESENTATIVE.
- THE CONTRACTOR COMPLIED WITH ALL REQUIREMENTS OUTLINED IN THE REVIEW OF ENVIRONMENTAL FACTORS (R.E.F.), PROJECT SAFETY PLAN (P.S.P.) AND THE INSPECTION TEST PLAN (I.T.P.) ASSOCIATED WITH THIS DESIGN.
- DENOTES P.C.S. CONNECTION (REFER SEW-1151-S).
- DENOTES P.C.S. CONNECTION TO SERVICE FUTURE SUBDIVISION (REFER SEW-1151-S)
- DENOTES EXISTING P.C.S. CONNECTION INSERTED UNDER CN195453WW AND CN200021WW. LOCATION OF EXISTING SERVICE AND JUNCTION TO BE VERIFIED BY THE CONSTRUCTOR PRIOR TO CONSTRUCTION COMMENCEMENT FOR SUITABILITY TO DRAIN EXISTING SEWER.
- DENOTES EASEMENT FOR PADMOUNT SUBSTATION
- FUTURE BOUNDARIES FOR DUAL OCCUPANCY LOTS (LOTS OVER 500m²) ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE.
- DN1050 M.H. CONSTRUCTED AS PER DTC DRAWINGS LISTED IN TABLE 1.
- DRIVEWAY SIZE AND LOCATION SHOWN IN THIS PLAN ARE NOT FINAL AND SUBJECT TO CHANGE.
- DENOTES P.C.S. CONNECTION WITH BOUNDARY TRAP. BOUNDARY TRAP INSTALLED BY A LICENSED PLUMBER.
- HIGH LEVEL CONNECTIONS ON LINES 1, 2, 4, 6, 7, 8, 9 & 10 INSTALLED AS PER DTC-2221.

MAINTENANCE STRUCTURE SCHEDULE

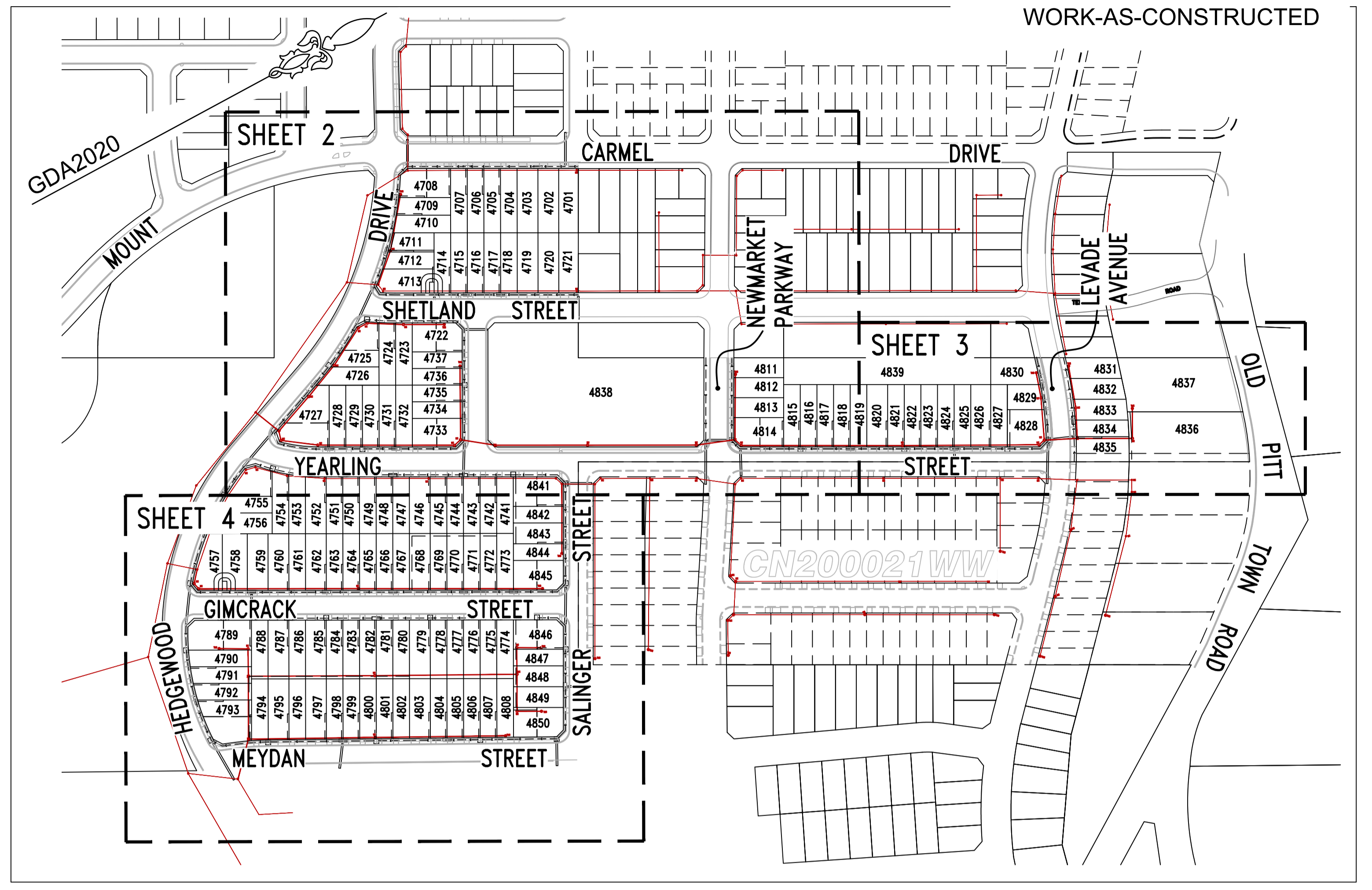
LINE No.	CHAINAGE	TYPE	DN RISER	CLASS OF COVER	MATERIAL
01	0.00	ex. M.H.	1050	B	CONC
01	17.96	M.C.	600	B	PP
01	23.69	M.C.	600	B	PP
01	46.05	M.C.	600	B	PP
01	128.17	M.C.	600	B	PP
01	133.17	M.C.	600	B	PP
01	154.24	M.H.	1050	B	CONC
01	209.77	M.C.	600	B	PP
01	275.06	M.C.	600	B	PP
01	298.67	M.H.	1050	B	CONC
01	303.73	M.C.	600	B	PP
01	400.58	M.C.	600	B	PP
01	482.71	M.C.	600	B	PP
01	486.97	M.C.	600	B	PP
01	506.85	M.H.	1050	B	CONC
01	540.00	M.C.	600	B	PP
01	558.00	T.M.S.	300	B	PVC
02	18.44	M.C.	600	B	PP
02	43.95	T.M.S.	300	B	PVC
03	25.46	M.C.	600	B	PP
03	40.79	T.M.S.	300	B	PVC
04	39.32	T.M.S.	300	B	PVC
05	44.28	T.M.S.	300	B	PVC
06	27.37	M.C.	600	B	PP
06	51.57	M.C.	600	B	PP
06	78.43	M.C.	600	B	PP
06	84.42	M.C.	600	B	PP
06	106.23	M.S.	300	B	PVC
06	130.73	T.M.S.	300	B	PVC
07	0.00	M.H. CONSTRUCTED UNDER CN195453	1050	B	CONC
07	21.78	M.C.	600	B	PP
07	56.13	T.M.S.	300	B	PVC

MAINTENANCE STRUCTURE SCHEDULE

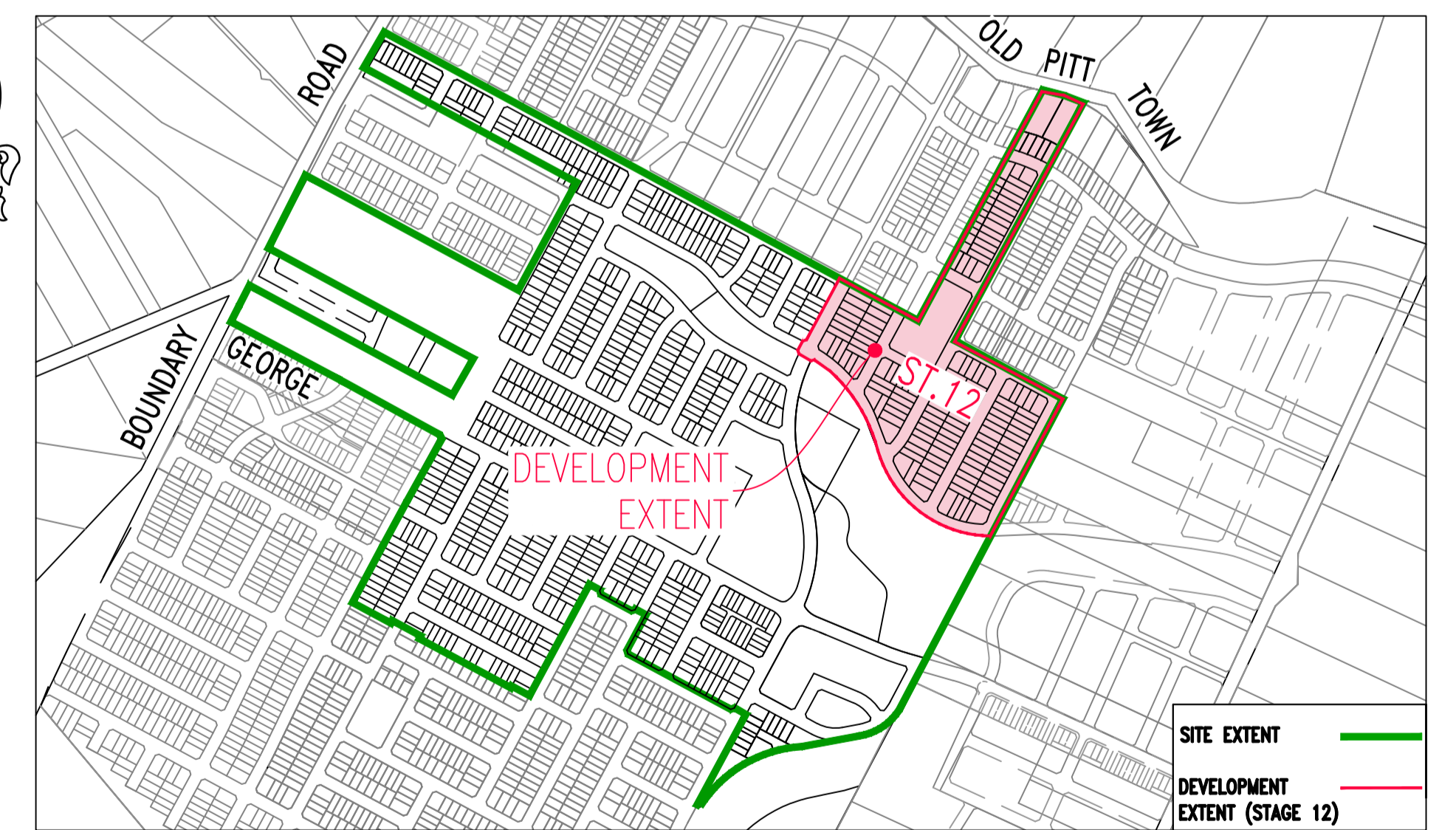
LINE No.	CHAINAGE	TYPE	DN RISER	CLASS OF COVER	MATERIAL
08	0.00	M.H. CONSTRUCTED UNDER CN200021	1050	B	CONC
08	41.83	T.M.S.	300	B	PVC
09	0.00	M.H. CONSTRUCTED UNDER CN200021	1050	B	CONC
09	8.45	M.C.	600	B	PP
09	12.65	M.C.	600	B	PP
09	108.52	M.C.	600	B	PP
09	219.27	T.M.S.	300	B	PVC
10	0.00	ex. M.H.	1050	B	CONC
10	24.94	M.H.	1050	B	CONC
10	101.01	M.C.	600	B	PP
10	179.55	T.M.S.	300	B	PVC
11	37.77	M.H.	1050	B	CONC
11	113.72	M.C.	600	B	PP
11	199.36	M.C.	600	B	PP
11	221.61	M.C.	600	B	PP
11	236.31	T.M.S.	300	B	PVC
12	16.49	M.C.	600	B	PP
12	33.94	T.M.S.	300	B	PVC
13	16.02	M.C.	600	B	PP
13	30.61	T.M.S.	300	B	PVC

No.	DESCRIPTION	DRAWING No.	REV. / DATE
1	M.H. CONSTRUCTION NOTES	DTC-2000	5/18MAR18
2	DN1050 M.H. CAST IN-SITU	DTC-2203	B/18MAR15
3	MAINTENANCE HOLES DETAILS SH1	DTC-2220	D/18MAR15
4	MAINTENANCE HOLES DETAILS SH2	DTC-2221	B/18MAR13
5	MAINTENANCE HOLES DETAILS SH3	DTC-2222	C/18MAR15

TABLE 1: APPLICABLE DEEMED-TO-COMPLY DRAWINGS



LAYOUT PLAN
(NOT TO SCALE)



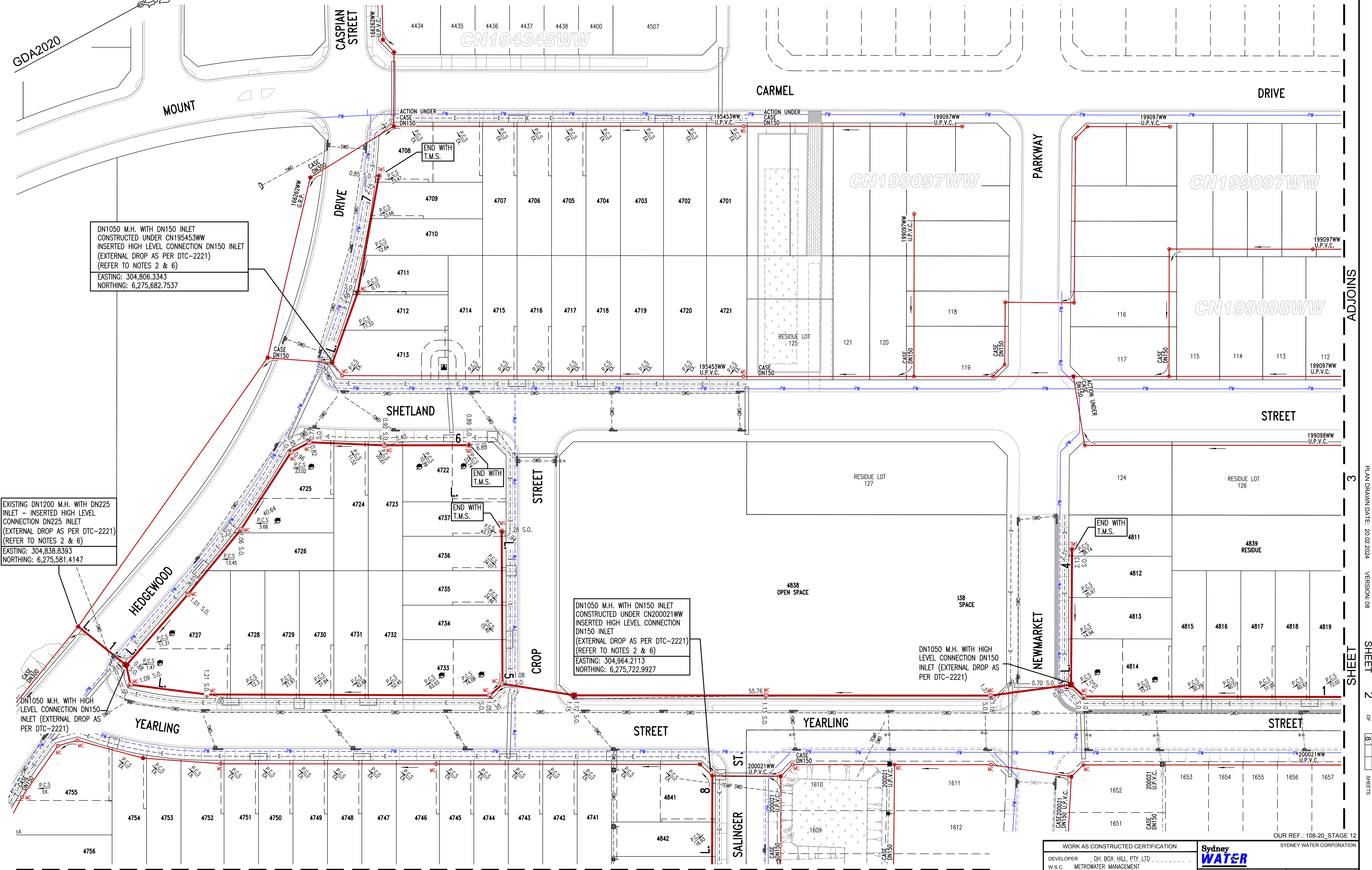
LOCALITY PLAN
(NOT TO SCALE)

CAUTION
 EXISTING SERVICES ALLOCATED IN EXISTING FOOTWAY RESERVES ARE SUBJECT TO VARIABLE PLACEMENT. THE CONTRACTOR IS REQUIRED TO ACQUIRE THE LATEST SEARCH INFORMATION & FIELD CHECK AT THE TIME OF WORKS.

No.	AMENDMENT DESCRIPTION	BY	DATE	DESCRIPTION	S.H.	DATE
04	DESIGN UPDATED AS PER NETWORKS COMMENTS	S.E.	07.06.23	PRELIM WORK-AS-CONSTRUCTED	S.H.	13.12.23
03	DESIGN UPDATED AS PER NETWORKS COMMENTS	S.E.	01.06.23	L10 Ch.0-CH.18.25- PIPE SIZE DN225 UPDATED TO DN150	S.E.	28.07.23
02	DESIGN UPDATED AS PER SW COMMENTS	S.E.	30.05.23			
01	ISSUE FOR SW REVIEW	S.E.	03.04.23	L10 CONNECTED TO EX MH UNDER CN186091 & LINES 2, 3, 4, 5, 6, 7, 8, 10 & 11 RAISED	S.E.	26.06.23

No.	AMENDMENT DESCRIPTION	BY	DATE	DESCRIPTION	S.H.	DATE	WORK AS CONSTRUCTED		PIPE SCHEDULE		AUSTRALIAN 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 CORRECT AND SYDNEY WATER ACCEPTS NO RESPONSIBILITY.	Sydney Water Case No. 194445WW
							08	WORK-AS-CONSTRUCTED	S.H.	20.02.24			
PLAN TO BE READ IN CONJUNCTION WITH CURRENT SYDNEY WATER STANDARDS SYDNEY WATER CORPORATION							WORK AS CONSTRUCTED CERTIFICATION		PIPE SCHEDULE		SCALES PLAN : 1:500 SECTION { HOR : 1:500 VERT. : 1:125 } CROSS SECTIONS : NATURAL LENGTHS, DEPTHS & LEVELS ARE IN METRES.	U.B. DIRECTORY : Map:108 Grid:F6,(41st Edition)	SHEET : 1 . OF . 8 . File No. N/A
PRIOR TO COMMENCEMENT OF EXCAVATION FOR PROPOSED AND EXISTING SERVICES CONTACT:- DIAL BEFORE YOU DIG Ph: 1100 ELECTRICITY, ENDEAVOUR ENERGY Ph: 131 003 GAS Ph: 131 909 TELECOMMUNICATIONS Ph: 132 203 NBN Ph: 1800 626 329 GIVING AT LEAST 48 HOURS NOTICE.							DEVELOPER : DH BOX HILL PTY LTD WATER SERVICE CO-ORDINATOR : METROWATER MANAGEMENT CONSTRUCTOR : HITEC DRAINAGE (NSW) PTY LTD COMPLETED : 11.08.23 W.A.C. PREPARED : 20.02.24 DESIGNER : METROWATER MANAGEMENT I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS. DESIGN HEAD : .m		PIPE SCHEDULE 225 U.P.V.C. SN8 17.96 RRJ & SWJ 150 U.P.V.C. SN8 1636.75 RRJ & SWJ				

PLAN DRAWN DATE: 20.02.2024 VERSION: 08 SHEET 1 OF 8 SHEETS



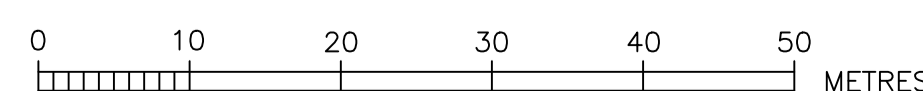
DN1050 M.H. WITH DN150 INLET
CONSTRUCTED UNDER CN195453WW
INSERTED HIGH LEVEL CONNECTION DN150 INLET
(EXTERNAL DROP AS PER DTC-2221)
(REFER TO NOTES 2 & 6)
EASTING: 304,806.3343
NORTHING: 6,275,682.7537

EXISTING DN1200 M.H. WITH DN225
INLET - INSERTED HIGH LEVEL
CONNECTION DN225 INLET
(EXTERNAL DROP AS PER DTC-2221)
(REFER TO NOTES 2 & 6)
EASTING: 304,838.8393
NORTHING: 6,275,581.4147

DN1050 M.H. WITH DN150 INLET
CONSTRUCTED UNDER CN200021WW
INSERTED HIGH LEVEL CONNECTION
DN150 INLET
(EXTERNAL DROP AS PER DTC-2221)
(REFER TO NOTES 2 & 6)
EASTING: 304,964.2113
NORTHING: 6,275,722.9927

DN1050 M.H. WITH HIGH LEVEL CONNECTION DN150
INLET (EXTERNAL DROP AS
PER DTC-2221)

P.C.S. DENOTES P.C.S. CONNECTION TO SERVICE FUTURE SUBDIVISION (REFER SEW-1151-S)

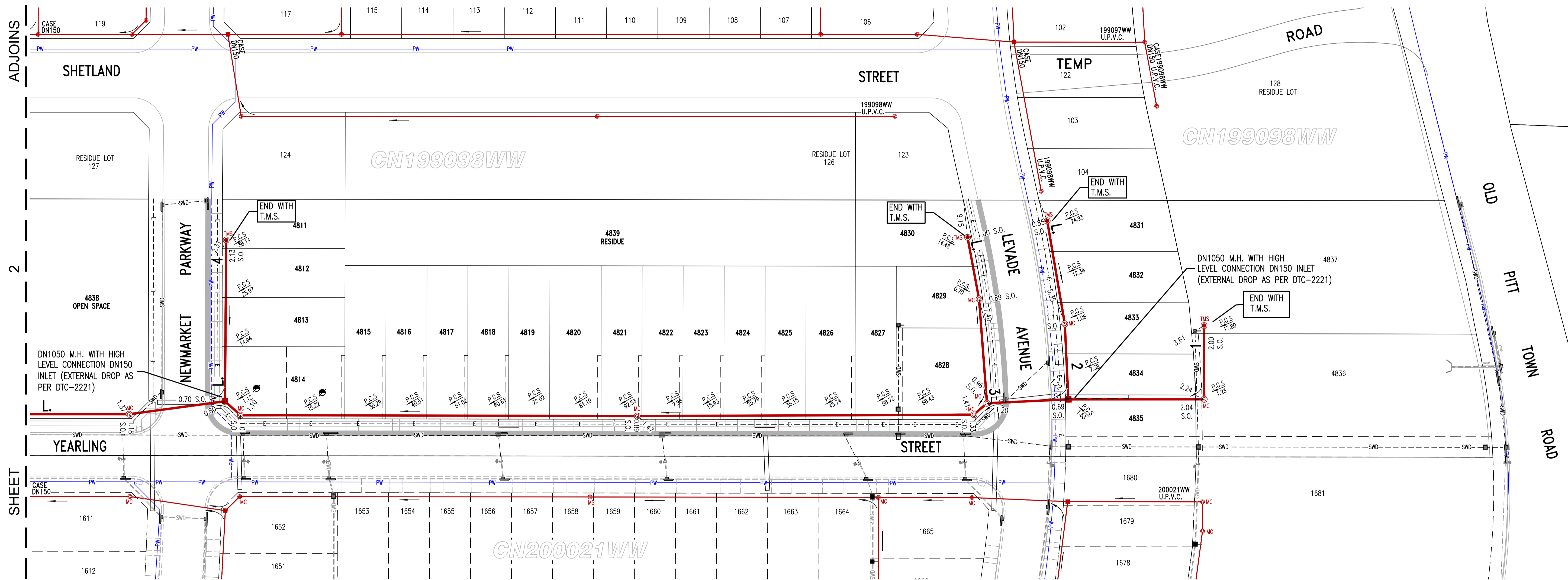


WORK AS CONSTRUCTED CERTIFICATION	
DEVELOPER	DH. BOX HILL, PTY. LTD.
W.S.C.	METROWATER MANAGEMENT
CONSTRUCTOR	HITEC DRAINAGE (NSW) PTY. LTD.
COMPLETED	11.08.23
W.A.C. PREPARED	20.02.24
DESIGNER	METROWATER MANAGEMENT
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS	

Sydney WATER
Case No. 194445WW SHT 2 OF 8 SHTS.
SYDNEY WATER CORPORATION
FOR DETAILS OF SERVICES SEE SHEET 1

PLAN DRAWN DATE: 20.02.2024 VERSION: 08 SHEET 2 OF 8 SHEETS

OUR REF.: 108-20_STAGE 12
SYDNEY WATER CORPORATION

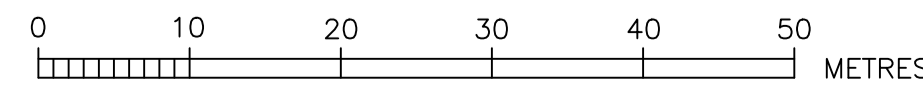


ADJOINS

2

SHEET

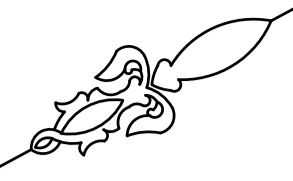
☉ DENOTES P.C.S. CONNECTION TO SERVICE FUTURE SUBDIVISION (REFER SEW-1151-S)



WORK AS CONSTRUCTED CERTIFICATION		OUR REF.: 108-20_STAGE 12	
DEVELOPER	DH, BOX HILL, PTY, LTD	SYDNEY WATER CORPORATION	
W.S.C.	METROWATER MANAGEMENT	Sydney WATER	
CONSTRUCTOR	HITEC DRAINAGE (NSW), PTY, LTD	Case No. 194445WW	SHT 3 OF 8 SHTS.
COMPLETED	11,08,23		
W.A.C. PREPARED	20,02,24		
DESIGNER	METROWATER MANAGEMENT	SYDNEY WATER CORPORATION	
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS		FOR DETAILS OF SERVICES SEE SHEET 1	

PLAN DRAWN DATE: 20.02.2024 VERSION: 08 SHEET 3 OF 8 SHEETS

GDA2020



SHEET 2

ADJOINS

ADJOINS

SHEET

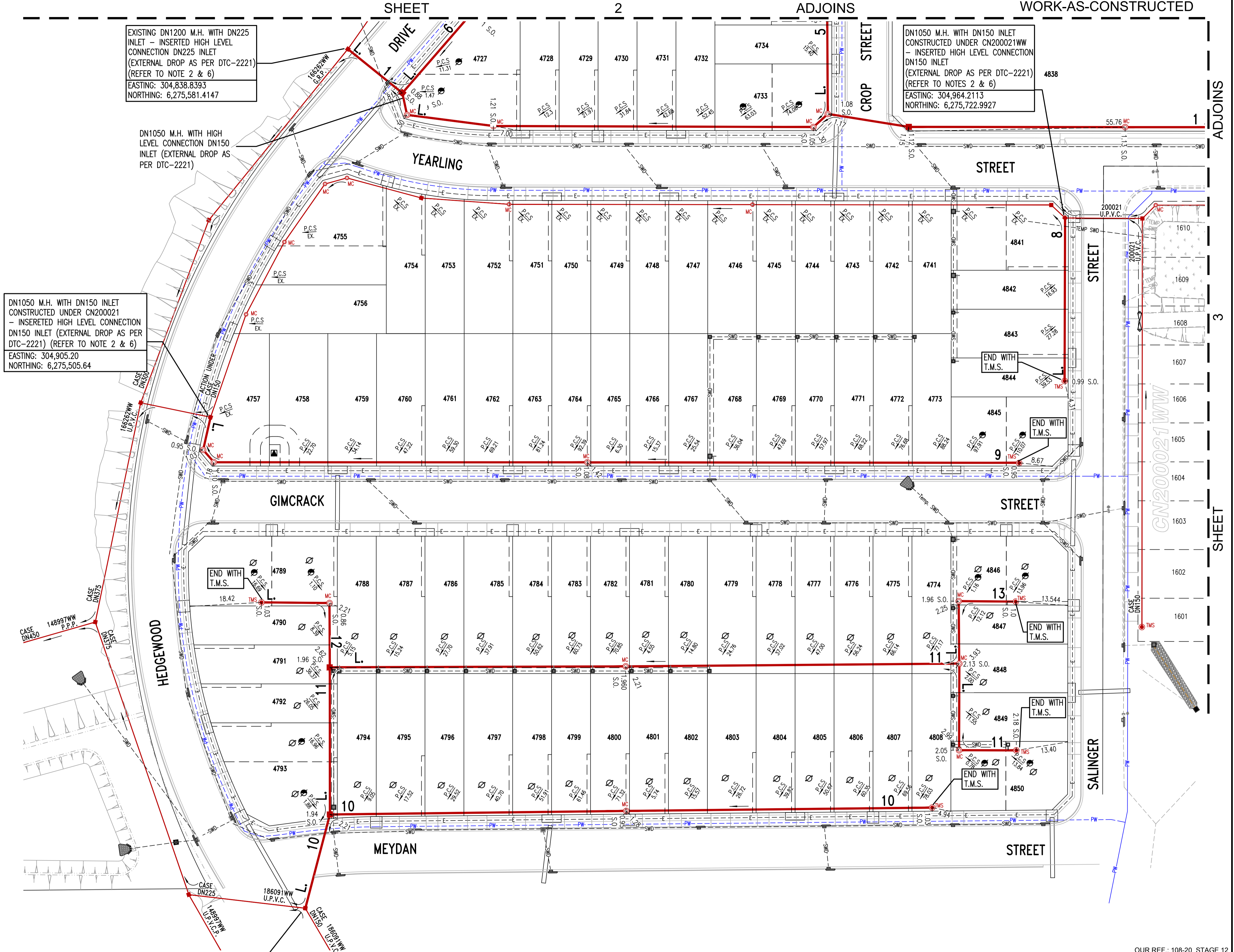
PLAN DRAWN DATE: 20.02.2024

VERSION: 08

SHEET 4

OF

8 SHEETS



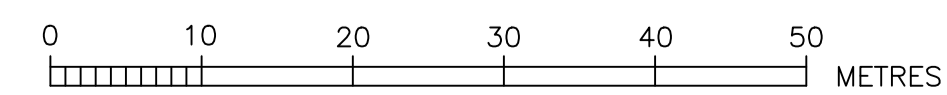
EXISTING DN1200 M.H. WITH DN225 INLET - INSERTED HIGH LEVEL CONNECTION DN225 INLET (EXTERNAL DROP AS PER DTC-2221) (REFER TO NOTE 2 & 6)
EASTING: 304,838.8393
NORTHING: 6,275,581.4147

DN1050 M.H. WITH DN150 INLET CONSTRUCTED UNDER CN200021WW - INSERTED HIGH LEVEL CONNECTION DN150 INLET (EXTERNAL DROP AS PER DTC-2221) (REFER TO NOTES 2 & 6)
EASTING: 304,964.2113
NORTHING: 6,275,722.9927

DN1050 M.H. WITH DN150 INLET CONSTRUCTED UNDER CN200021 - INSERTED HIGH LEVEL CONNECTION DN150 INLET (EXTERNAL DROP AS PER DTC-2221) (REFER TO NOTE 2 & 6)
EASTING: 304,905.20
NORTHING: 6,275,505.64

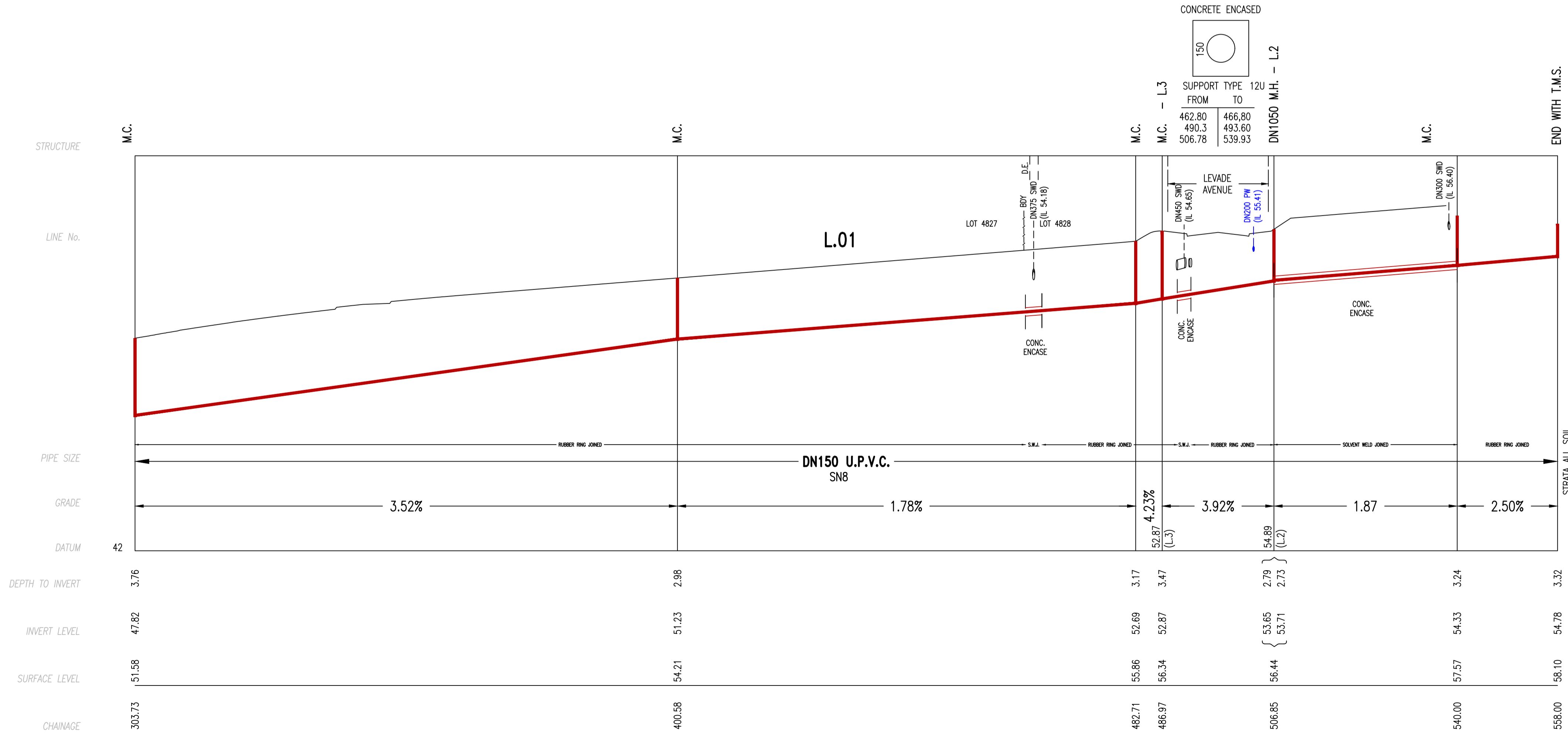
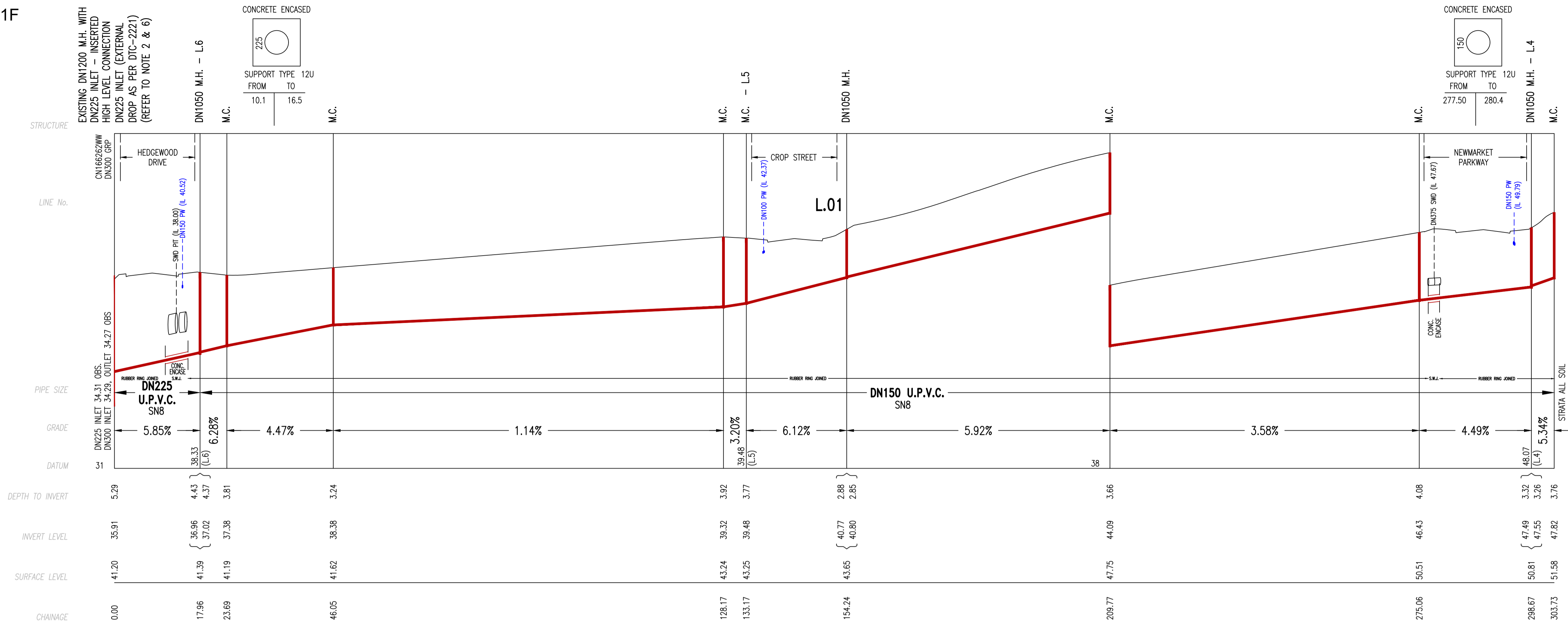
EXISTING DN1050 M.H. CONSTRUCTED UNDER CN186091 - INSERTED HIGH LEVEL CONNECTION DN150 INLET (EXTERNAL DROP AS PER DTC-2221) (REFER TO NOTE 2 & 6)
EASTING: 305,027.68
NORTHING: 6,275,467.28

- DENOTES EASEMENT FOR PADMOUNT SUBSTATION
- ⊗ DENOTES P.C.S. CONNECTION WITH BOUNDARY TRAP. BOUNDARY TRAP TO BE INSTALLED BY A LICENSED PLUMBER.
- ⊙ DENOTES P.C.S. CONNECTION TO SERVICE FUTURE SUBDIVISION (REFER SEW-1151-S)

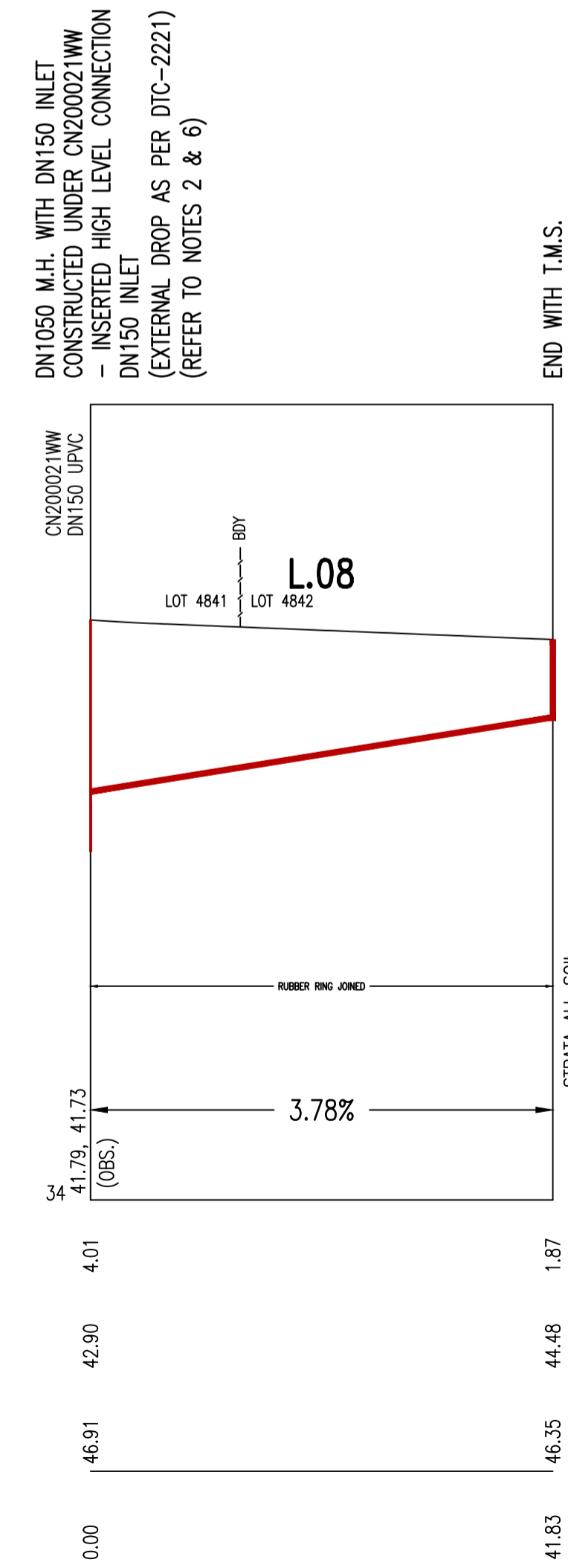
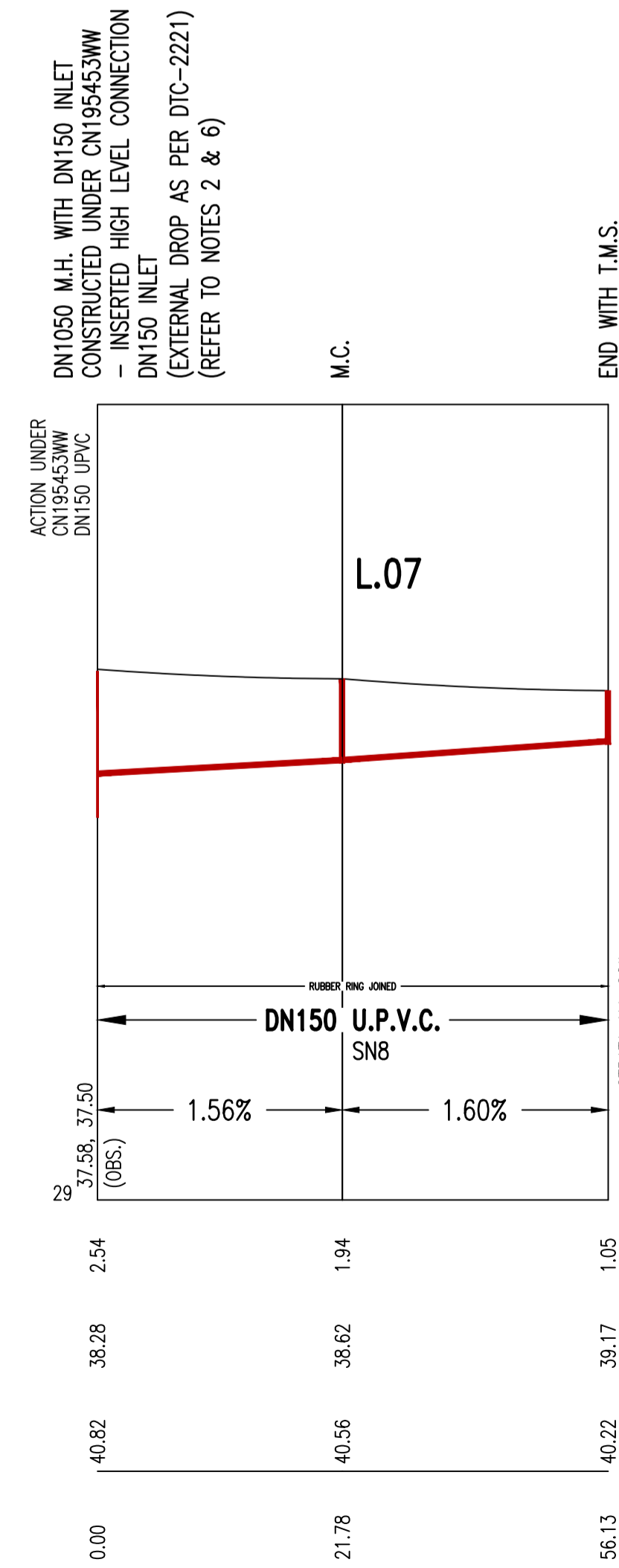
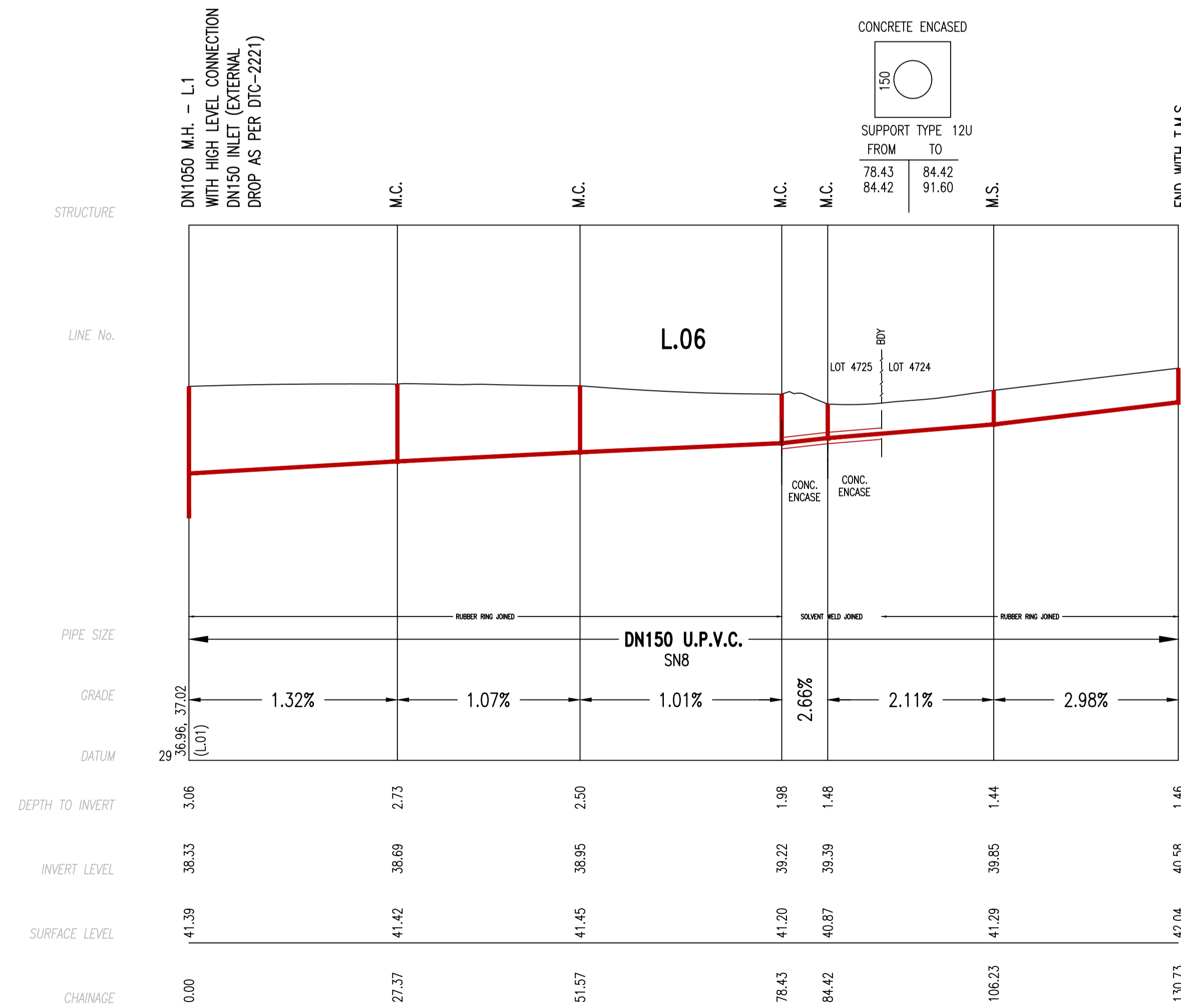
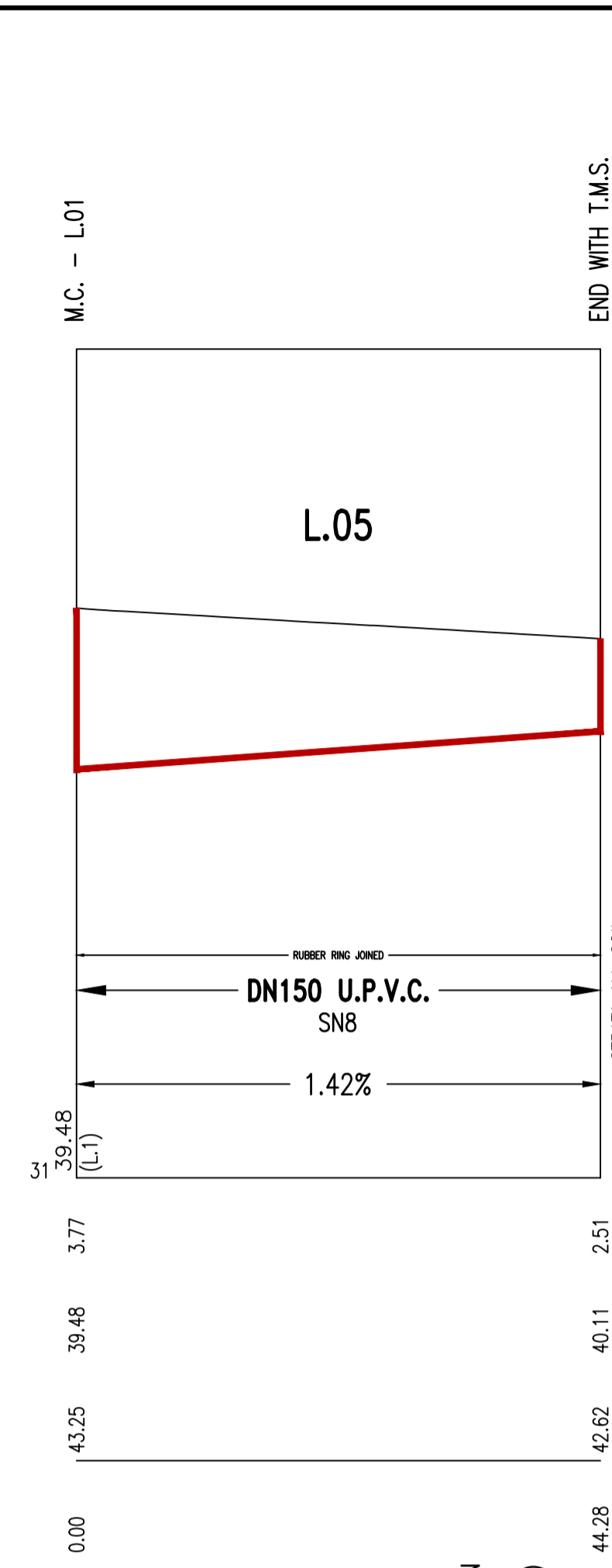
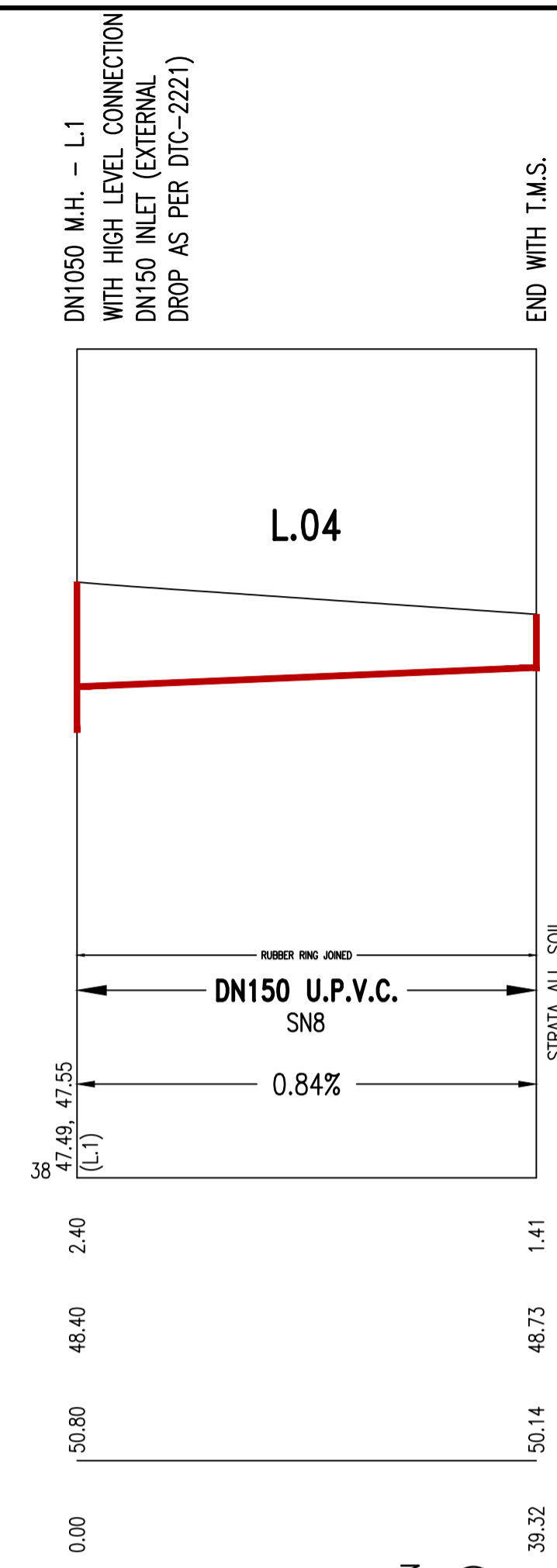
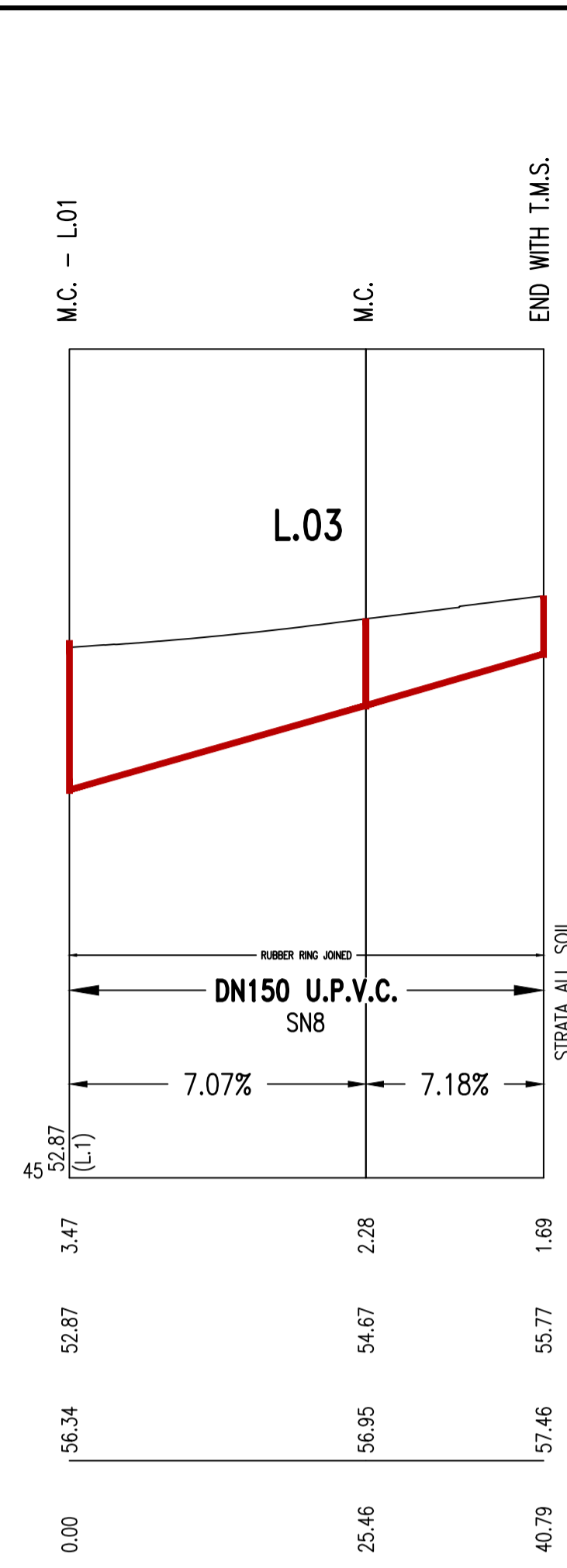
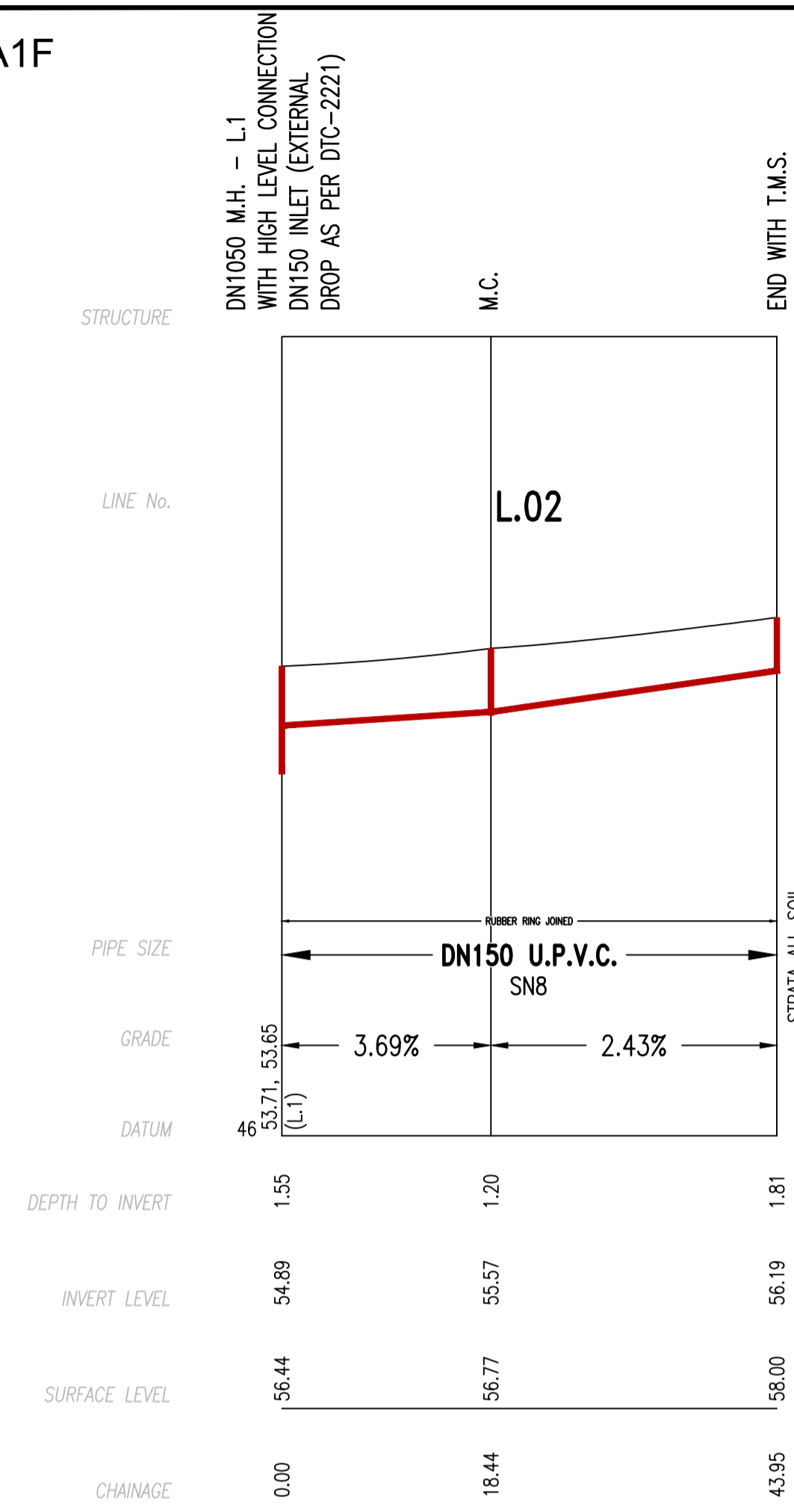


OUR REF.: 108-20_STAGE 12

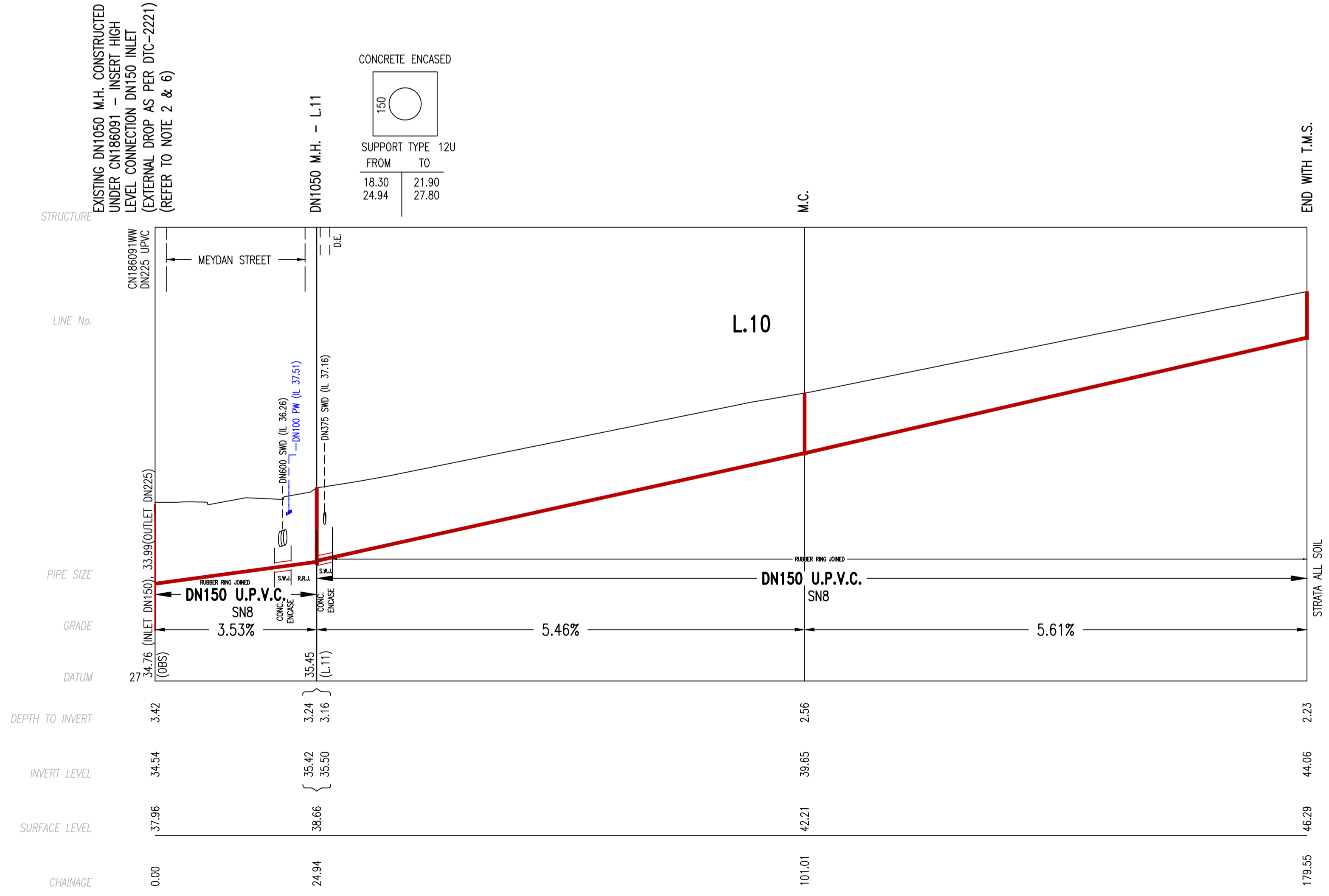
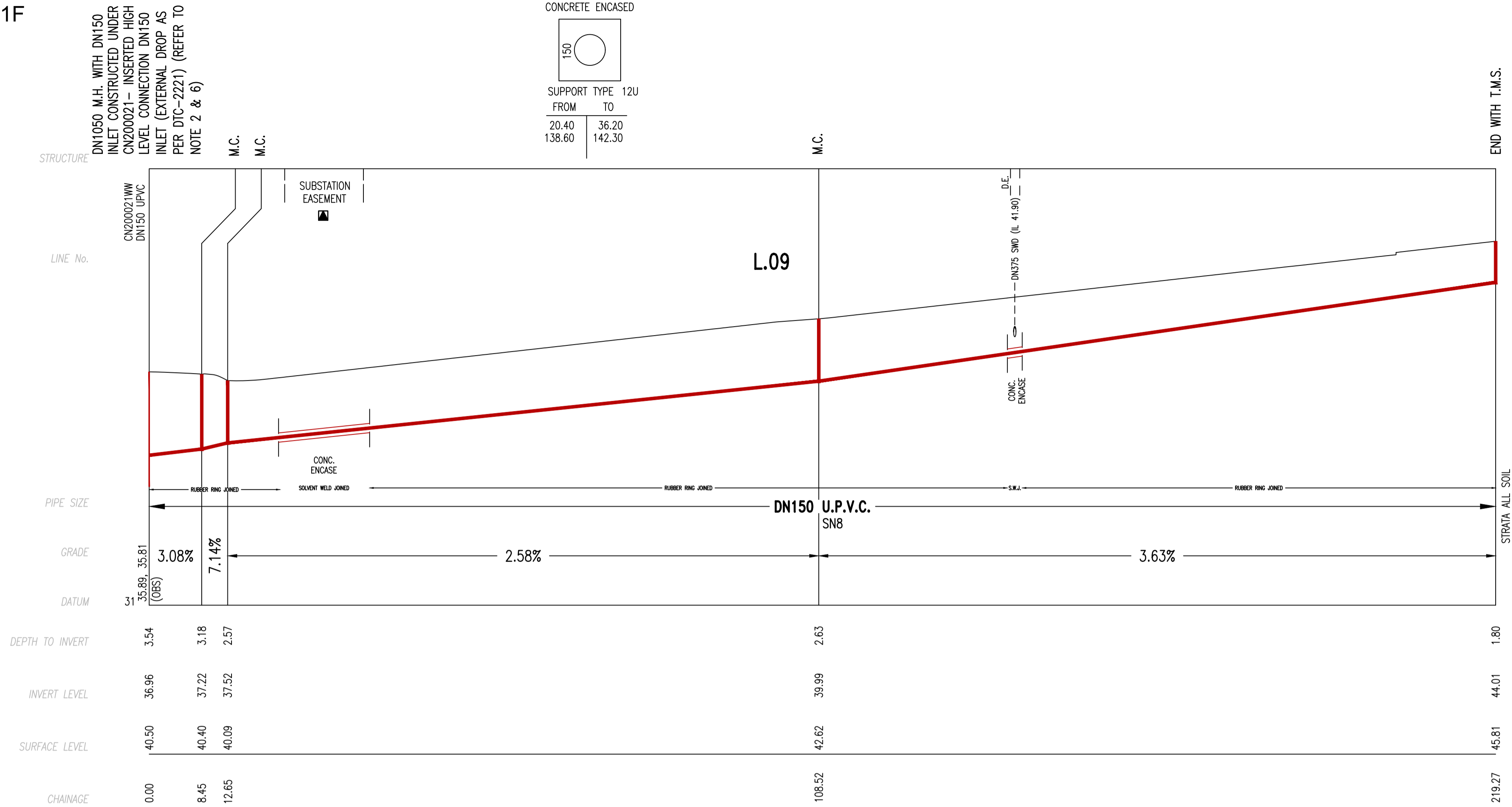
WORK AS CONSTRUCTED CERTIFICATION		Sydney WATER SYDNEY WATER CORPORATION	
DEVELOPER	DH. BOX HILL PTY LTD	Case No.	194445WW
W.S.C. METROWATER MANAGEMENT		SHT	4 OF 8 SHTS.
CONSTRUCTOR	HITEC DRAINAGE (NSW) PTY LTD		
COMPLETED	11.08.23		
W.A.C. PREPARED	20.02.24		
DESIGNER	METROWATER MANAGEMENT	SYDNEY WATER CORPORATION	
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS		FOR DETAILS OF SERVICES SEE SHEET 1	



WORK AS CONSTRUCTED CERTIFICATION		OUR REF.: 108-20_STAGE 12	
DEVELOPER	DH_BOX_HILL_PTY_LTD.		SYDNEY WATER CORPORATION
W.S.C.	METROWATER_MANAGEMENT		
CONSTRUCTOR	HITEC_DRAINAGE_(NSW)_PTY_LTD.	Case No. 194445WW	SHT 5 OF 8 SHTS.
COMPLETED	11.08.23		
W.A.C. PREPARED	20.02.24		
DESIGNER	METROWATER_MANAGEMENT	SYDNEY WATER CORPORATION	
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS		FOR DETAILS OF SERVICES SEE SHEET 1	

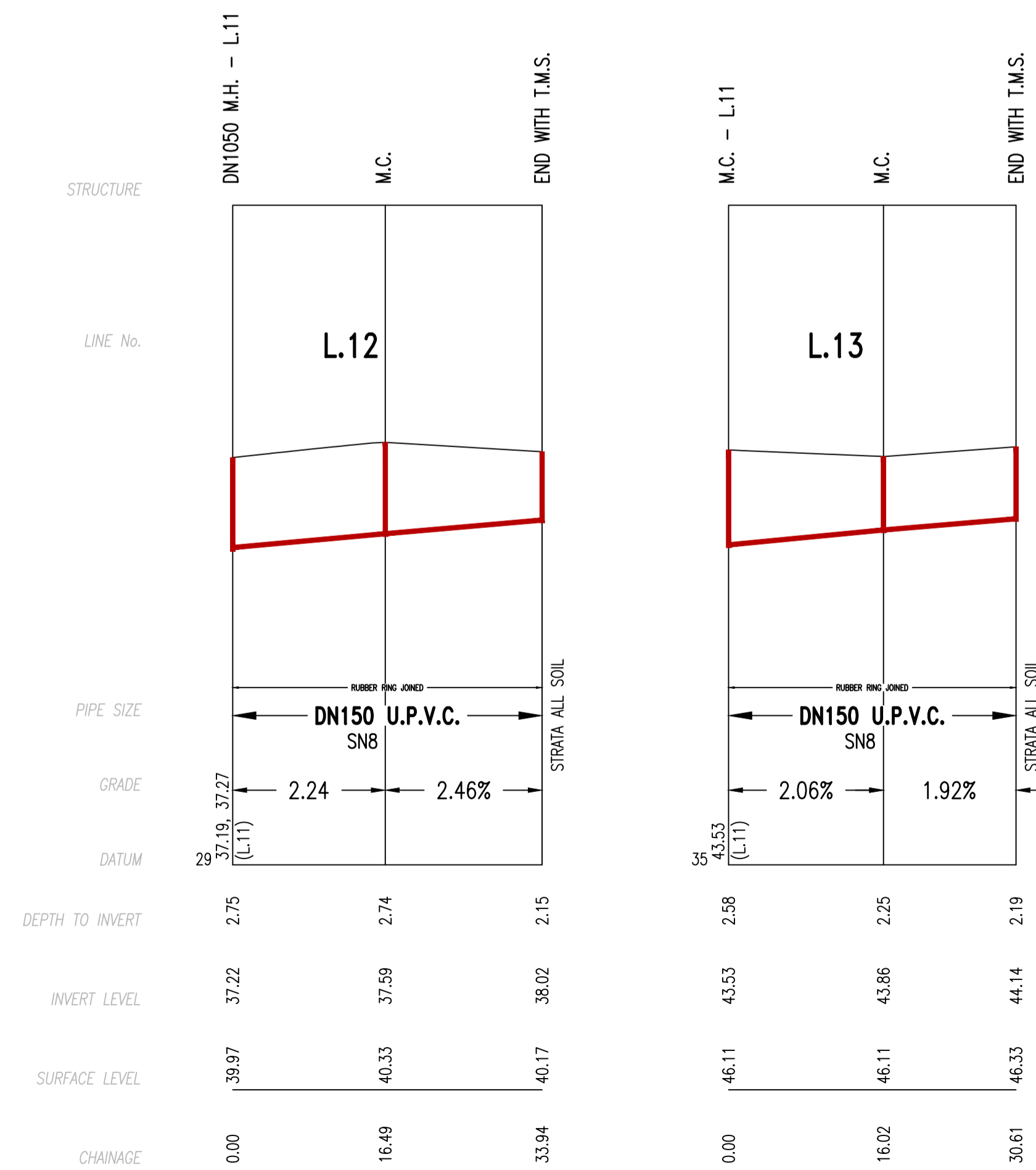
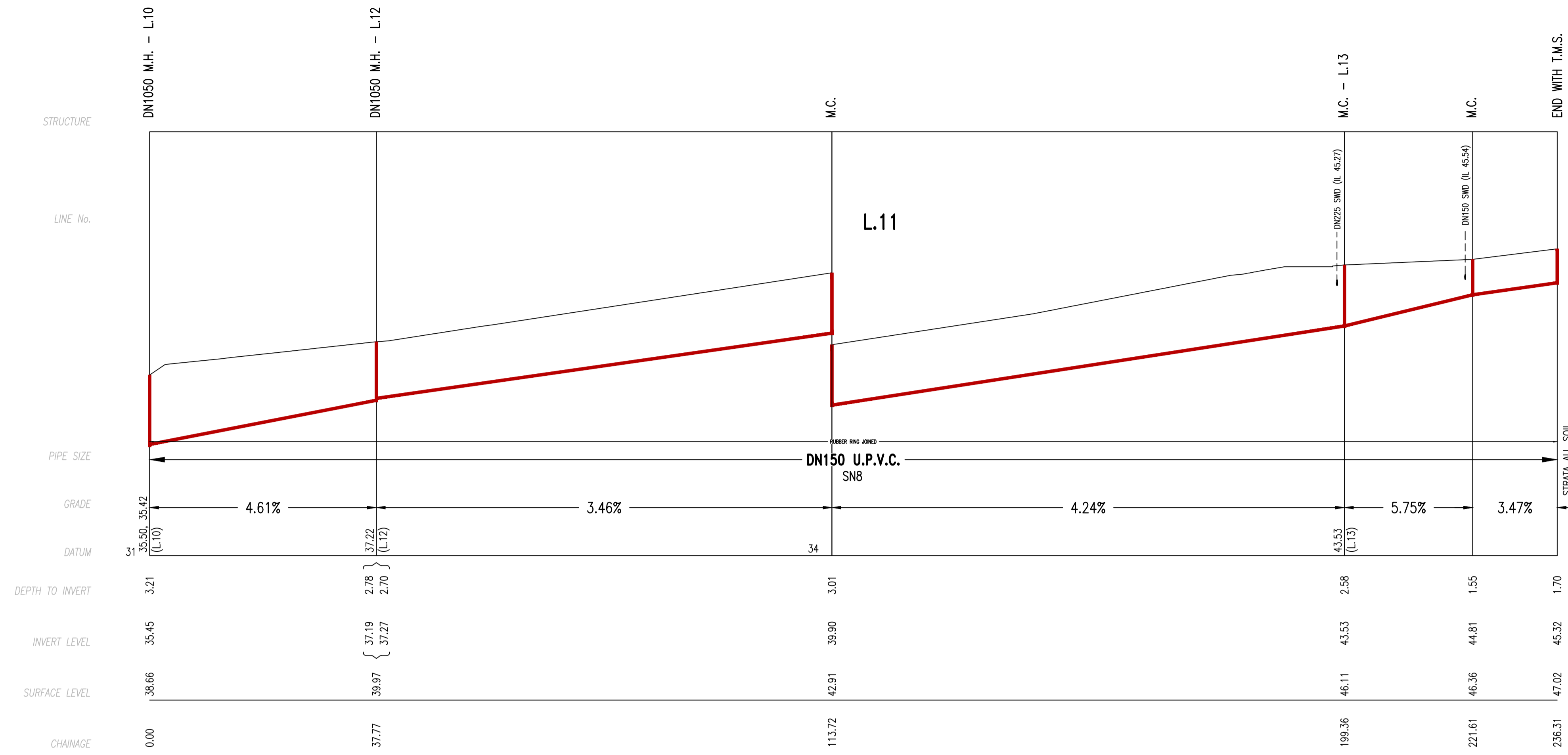


WORK AS CREATED CERTIFICATION		OUR REF.: 108-20_STAGE 12	
DEVELOPER QH BOX HILL PTY LTD		SYDNEY WATER CORPORATION	
W.S.C. METROWATER MANAGEMENT		Sydney WATER	
CONSTRUCTOR HITEC DRAINAGE (NSW) PTY LTD		Case No. 194445WW SHT 6 OF 8 SHTS.	
COMPLETED 11.08.23			
W.A.C. PREPARED 20.02.24			
DESIGNER METROWATER MANAGEMENT		SYDNEY WATER CORPORATION	
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CREATED DRAWINGS		FOR DETAILS OF SERVICES SEE SHEET 1	



▲ DENOTES PROPOSED EASEMENT FOR PADMOUNT SUBSTATION

WORK AS CONSTRUCTED CERTIFICATION		OUR REF.: 108-20_STAGE 12	
DEVELOPER DH. BOX HILL PTY LTD		SYDNEY WATER CORPORATION	
W.S.C. METROWATER MANAGEMENT		Sydney WATER	
CONSTRUCTOR HITEC DRAINAGE (NSW) PTY LTD		Case No. 194445WW SHT 7 OF 8 SHTS.	
COMPLETED 11.08.23			
W.A.C. PREPARED 20.02.24			
DESIGNER METROWATER MANAGEMENT		SYDNEY WATER CORPORATION	
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS		FOR DETAILS OF SERVICES SEE SHEET 1	



WORK AS CONSTRUCTED CERTIFICATION		OUR REF.: 108-20_STAGE 12	
DEVELOPER DH. BOX HILL PTY LTD		SYDNEY WATER CORPORATION	
W.S.C. METROWATER MANAGEMENT		Sydney WATER	
CONSTRUCTOR HITEC DRAINAGE (NSW) PTY LTD		Case No. 194445WW SHT 8 OF 8 SHTS.	
COMPLETED 11/08/23			
W.A.C. PREPARED 20/02/24			
DESIGNER METROWATER MANAGEMENT		SYDNEY WATER CORPORATION	
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS		FOR DETAILS OF SERVICES SEE SHEET 1	