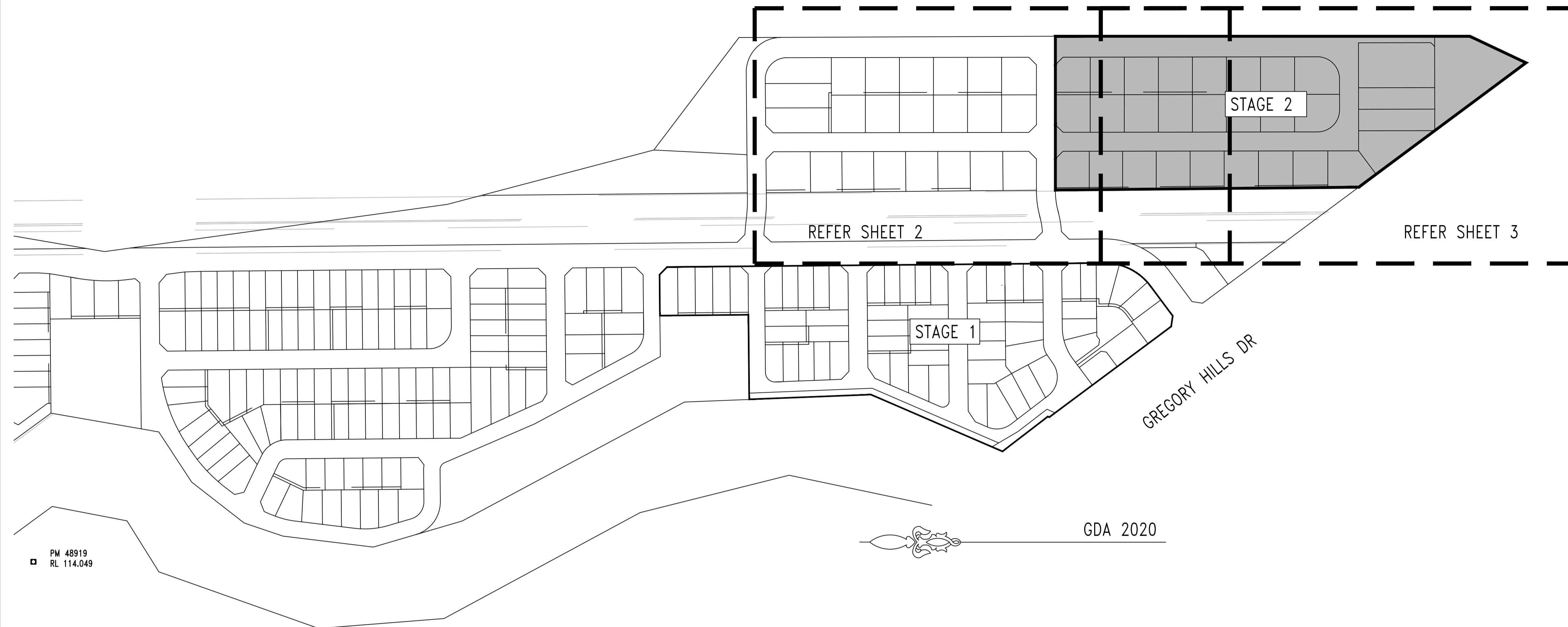
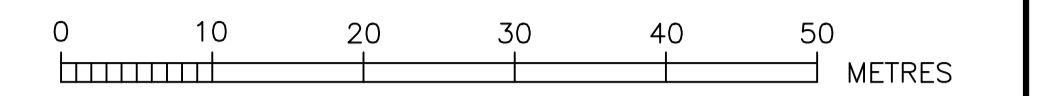


DEVELOPER CONTRACT PLAN  
**STAGE 2**  
 WORK-AS-CONSTRUCTED



LOCALITY & BENCHMARK PLAN

- NOTES :-
- DESIGNER & WATER SERVICE COORDINATOR:  
 RMA INFRASTRUCTURE PTY LTD  
 PO BOX 273 PENRITH NSW 2751  
 PH. 47222774. REFERENCE No. W-12404
  - FOR:  
 LEGACY PROPERTY SERVICES PTY LTD  
 LEVEL 45, 25 MARTIN PLACE,  
 SYDNEY NSW 2000  
 02 9252 1111
  - THE WORKS AND MATERIAL ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE SEWER RETICULATION CODE OF AUSTRALIA (WSA 02-2002-2.2 VERSION 4) AND SYDNEY WATER TECHNICAL SPECIFICATION (CIVIL) Ver.10.
  - ALL LOTS WERE VACANT AT TIME OF SURVEY.
  - ALL STRUCTURES TO BE CONSTRUCTED TO FINISHED SURFACE LEVELS. ALL LEVELS QUOTED ON THIS PLAN REFER TO PROPOSED FINISHED SURFACE LEVELS. IT IS THE CONTRACTORS RESPONSIBILITY TO LIAISE WITH THE CIVIL CONTRACTOR TO VERIFY THE PROPOSED SURFACE LEVELS QUOTED ON THIS PLAN ARE CORRECT PRIOR TO INSTALLING SEWER STRUCTURES. IF ANY DISCREPANCIES ARE FOUND, THE WATER SERVICING COORDINATOR IS TO BE NOTIFIED IMMEDIATELY.
  - PIPES TO BE CONCRETE ENCASED SHOWN ACCORDINGLY:  
 EACH SECTION OF PIPE SHALL BE CONCRETE ENCASED IN THE FOLLOWING MANNER :
    - EACH FLEXIBLE PIPE JOINT REQUIRES A 12mm THICK COMPRESSIBLE MEMBRANE TO BE INSERTED.
    - AT THE ENDS OF EACH SECTION OF ENCASEMENT A 600mm ROCKER PIPE TO BE INSTALLED.
    - CONCRETE ENCASEMENT TO BE TYPE 12U AS PER SEW-1205 Ver3 (2016)
  - AREAS HATCHED THUS NOT DRAINED:
  - CURRENT SERVICES SEARCH & SITE CHECK OF ALL EXISTING SERVICES WILL BE NECESSARY PRIOR TO THE COMMENCEMENT OF WORK & APPROPRIATE PROCEDURES, PRECAUTIONS AND CARE NEED TO BE TAKEN BY THE CONSTRUCTOR WHEN WORKING IN CLOSE PROXIMITY TO SERVICES. THE CONSTRUCTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING SERVICES DURING CONSTRUCTION AND ANY DAMAGE TO EXISTING SERVICES IS TO BE RECTIFIED AT THE CONSTRUCTORS EXPENSE.
  - FIELD COMPACTION TESTS REQUIRED TO BE UNDERTAKEN TO SATISFY THE SEWAGE CODE OF AUSTRALIA SYDNEY WATER EDITION 1 - VERSION 4 (WSA 02-2002-2.2 VERSION 4) & SYDNEY WATER TECHNICAL SPECIFICATION CIVIL v 10. IT IS THE LISTED FIELD TESTERS RESPONSIBILITY TO ENSURE THE CORRECT NUMBER OF TESTS ARE CARRIED OUT TO SATISFY THE STANDARDS AND SPECIFICATIONS AS PER INSTRUCTIONS TO FIELD TESTERS CLAUSE 3.
  - JUNCTION AND CONCRETE ENCASEMENT LOCATIONS ARE SHOWN AS APPROXIMATE ONLY. IT IS THE CONSTRUCTORS RESPONSIBILITY TO LIAISE WITH CIVIL CONTRACTOR TO CONFIRM EXACT LOCATIONS REQUIRED. THE CONSTRUCTOR IS RESPONSIBLE TO KEEP AN ACCURATE RECORD OF JUNCTION AND CONCRETE ENCASEMENT CHAINAGES DURING CONSTRUCTION. CHAINAGES ARE TO BE PROVIDED TO THE DESIGNER AT THE COMPLETION OF CONSTRUCTION.
  - PROPERTY CONNECTIONS (PCS) TO BE INSTALLED IN ACCORDANCE WITH SEWERAGE CODE OF AUSTRALIA WSA 02-2002-2.2
    - PCS SHALL BE DN100 UNLESS NOTED OTHERWISE.
    - PCS CONFIGURATION BASED ON RETICULATION DEPTH PROPERTY SIZE & TOPOGRAPHY
 — DENOTES STANDARD PCS CONNECTION - SEW-1151-S 12.
  - ALL MAINTENANCE CHAMBERS TO BE REHAU/IPLUX OR EQUIVALENT TYPE MANUFACTURED WITH PRE DESIGNED ANGLE WITH MINIMUM 600MM RISER.
  - MAINTENANCE HOLES TO BE CONSTRUCTED IN ACCORDANCE WITH SYDNEY WATER DEEMED TO COMPLY DRAWINGS DTC 2000, DTC 2200 DTC 2203, DTC 2220, DTC 2221, DTC 2222, DTC 2223 AND AS SPECIFIED IN WSA 02-2002-2.2
  - THE CONTRACTOR IS TO CONFIRM THE LOCATION AND INVERT LEVELS OF THE EXISTING SEWER AT CHAINAGE 0.00 OF LINE 1 PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES ARE DETERMINED BETWEEN WHAT IS LOCATED ON SITE AND WHAT IS QUOTED ON THIS PLAN, THE DESIGNER IS TO BE NOTIFIED IMMEDIATELY.
  - DENOTES LOT 231 & LOT 232 SERVICED UNDER CN211074WW.

ENVIRONMENTAL REQUIREMENTS.

- THE REVIEW OF ENVIRONMENTAL FACTORS IS AN INTEGRAL PART OF THIS DESIGN. ALL EROSION AND SEDIMENTATION CONTROL COMPLIED TO THE STANDARDS OF THE SOIL CONSERVATION SERVICE OF N.S.W
- ALL OPEN STORM WATER GRATES & STORM WATER CHANNELS DOWNSTREAM OF CONSTRUCTION ACTIVITY TO BE ADEQUATELY PROTECTED BY STRAW BALES OR GEOTEXTILE FENCE.
- SILT STOP DEVICES INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY, EFFECTIVELY MAINTAINED AND TO BE REMOVED ONLY AFTER THE AREA HAS BEEN SATISFACTORILY RE-VEGETATED.
- SILTATION CONTROL TO BE CARRIED OUT TO THE SATISFACTION OF THE SITE SUPERINTENDENT.
- ALL STOCKPILES OF EXCAVATED MATERIAL TO BE SURROUNDED BY STRAW BALES AND/OR GEOTEXTILE FENCE TO THE SATISFACTION OF THE SUPERINTENDENT.
- SITE RESTORATION TO BE CARRIED OUT TO THE SATISFACTION OF THE SUPERINTENDENT.
- NO TREES OR VEGETATION TO BE REMOVED WITHOUT PRIOR APPROVAL FROM THE SUPERINTENDENT AND OR LOCAL GOVERNMENT AUTHORITY.

DTC DRAWING SCHEDULE		
DRAWING	REVISION	DATE
2000	D	31/07/2024
2200	G	31/07/2024
2201	F	31/07/2024
2203	C	31/07/2024
2220	E	31/07/2024
2221	D	31/07/2024
2222	D	31/07/2024
2223	C	31/07/2024
2224	A	31/07/2024

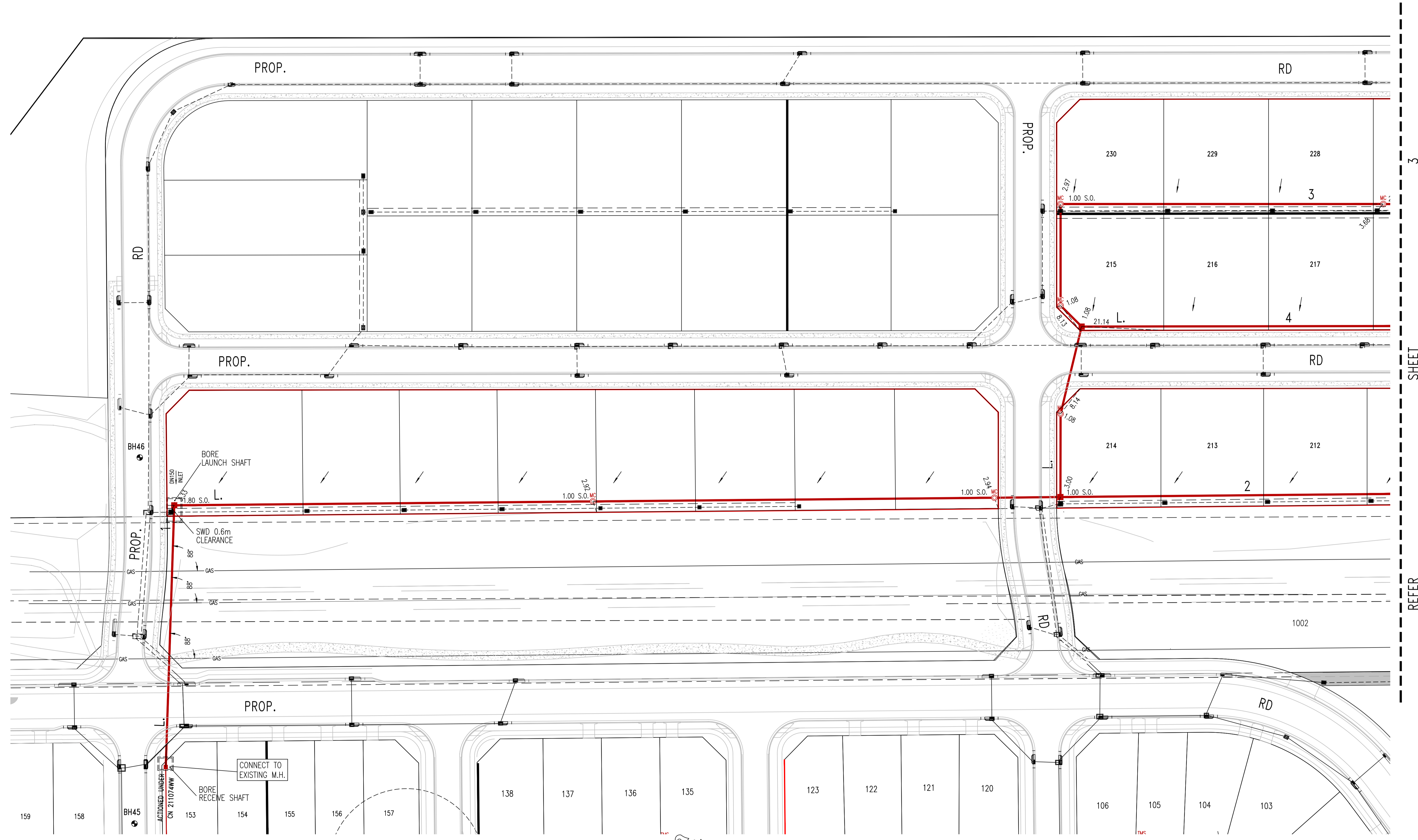
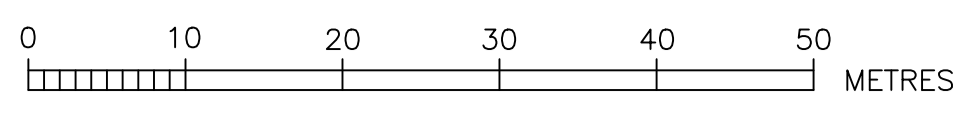
I	WORK-AS-CONSTRUCTED	CH	22.01.26
H	AMENDMENTS TO MATCH LATEST CIVLS	SP	14.6.25
G	SWC COMMENTS ADDRESSED	SP	17.12.24
F	AMENDMENTS TO MATCH CURRENT CIVLS	SP	30.11.24
E	SWC COMMENTS & PROTECTION SLAB REMOVED	SP	13.09.24
D	PROTECTION SLAB ADDED FOR APA MAIN	SP	21.08.24
C	INCLUDED FURTHER BORE INFORMATION	BK	13.08.24
B	FOR SYDNEY WATER APPROVAL	SP	25.5.24
A	FIRST ISSUE - TENDER	SP	23.02.24
No.	AMENDMENT DESCRIPTION	BY	DATE



GDA 2020

PLAN TO BE READ IN CONJUNCTION WITH CURRENT SYDNEY WATER STANDARDS SYDNEY WATER CORPORATION		UTILITIES			WORK AS CONSTRUCTED CERTIFICATION			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.	
PRIOR TO COMMENCEMENT OF EXCAVATION FOR PROPOSED AND EXISTING SERVICES CONTACT :- DIAL BEFORE YOU DIG Ph. 1100 ELECTRICITY Ph. GAS Ph. TELECOMMUNICATIONS Ph. GIVING AT LEAST 48 HOURS NOTICE.		TYPE	DATE	REF.	TYPE	DATE	REF.	SIZE DN	TYPE	CLASS	LENGTH	PIPE JOINING METHOD / NOTES	SCALES
		PROP. STORMWATER: SWD	28.03.25					150	U.P.V.C.	SN8	1141.44		PLAN 1:500 SECTION { HOR. 1:500 VERT. 1:125
								355	STEEL	SPL	68.16	BORE SLEEVE	CROSS SECTIONS . . . . . NATURAL
													LENGTHS, DEPTHS & LEVELS ARE IN METRES.
													U.B DIRECTORY MAP 326 REF: A2 UBD 41st
													SHEET 1 OF 5 File No. N/A
													SYDNEY WATER CORPORATION Case No. 211075WW CAMDEN SEWERAGE DRAINS TO WIANAMATTA CARR. & SPS 1156 WEST CAMDEN S.T.P.

PLAN DRAWN DATE: 22.01.2026 VERSION: 1 SHEET 1 OF 5 SHEETS

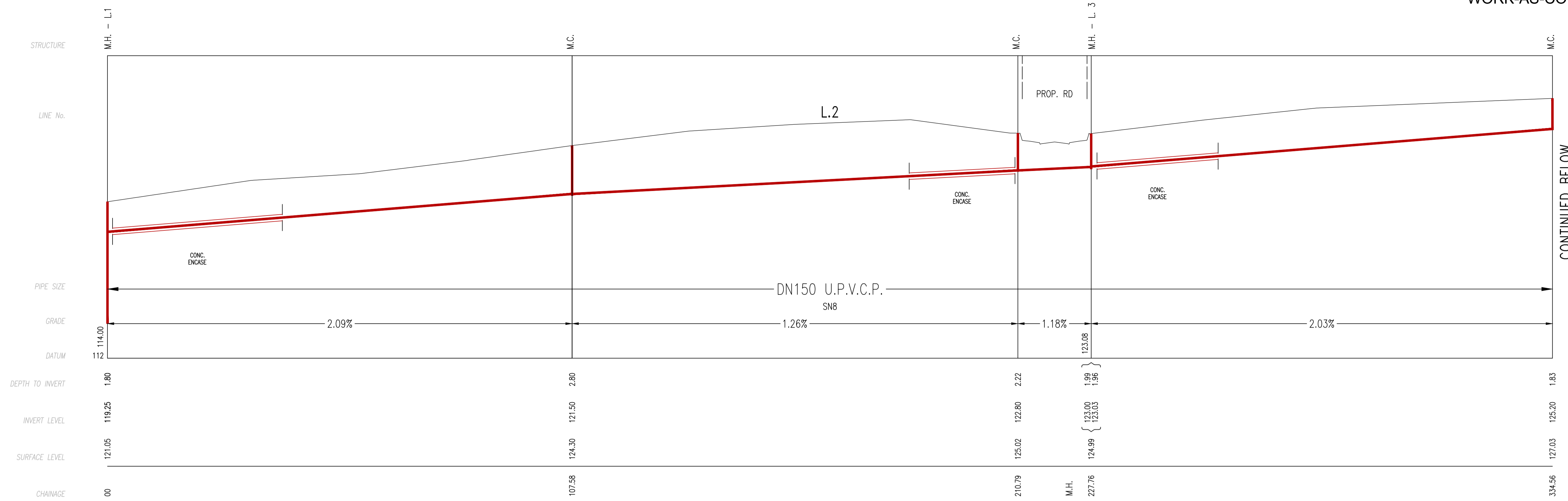


SHEET 2 OF 5 SHEETS  
REFER

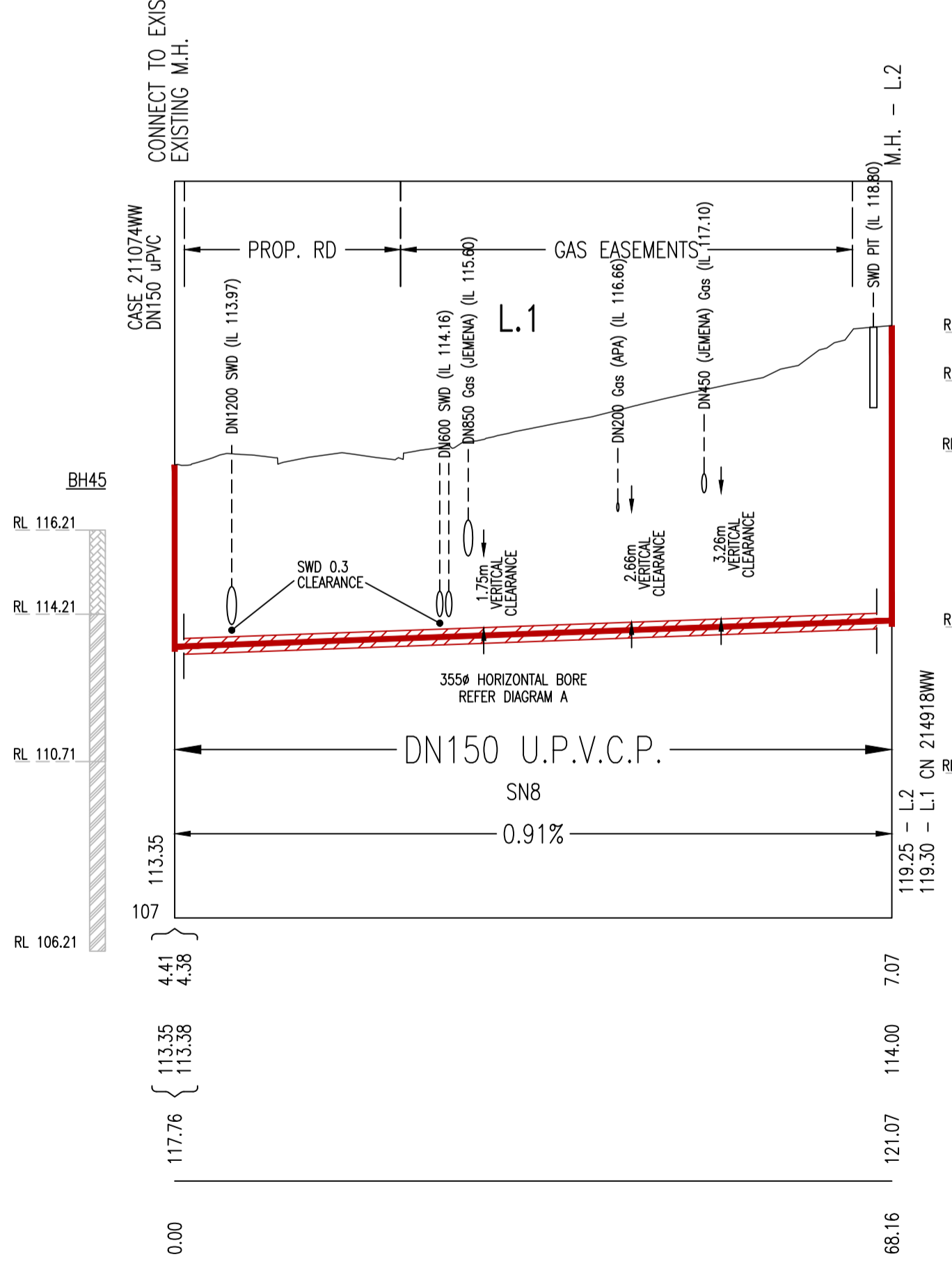
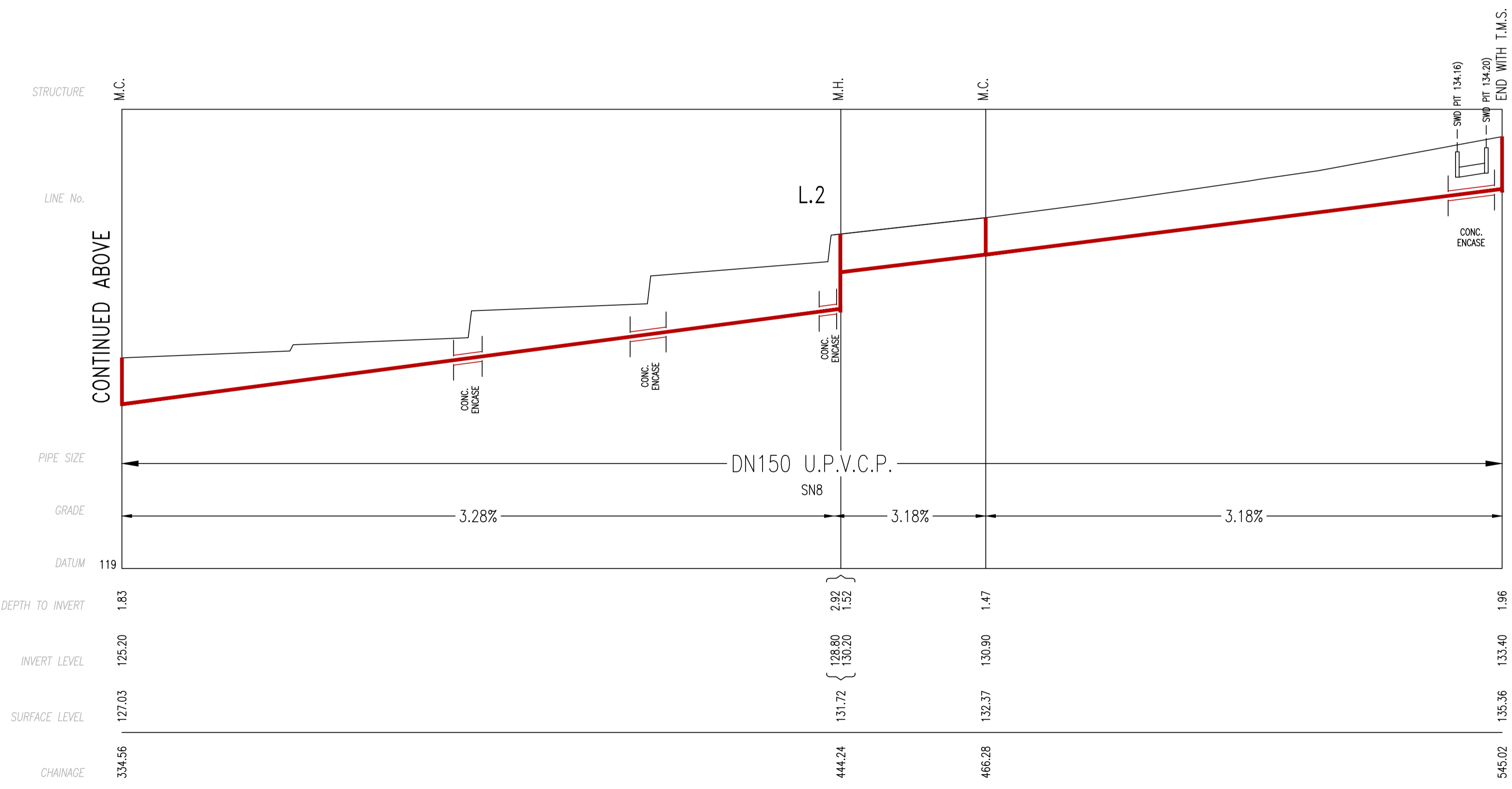
PLAN DRAWN DATE: 22.01.2026 VERSION: 1

WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	.....	<b>Sydney WATER</b>	Case No. 211075WW SHT 2 OF 5 SHTS.
W.S.C.	.....		
CONSTRUCTOR	.....	SYDNEY WATER CORPORATION FOR DETAILS OF SERVICES SEE SHEET 1	
COMPLETED	.....		
W.A.C. PREPARED	.....		
DESIGNER	.....		
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS			

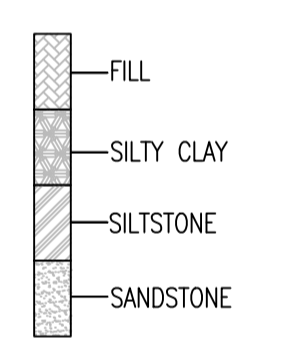




CONTINUED BELOW



STRATA LEGEND



FOR DETAILED STRATA INFORMATION REFER TO GEOTECHNICAL REPORT BY GEOTECHNIQUE PTY LTD JOB NO. 20576/1 - 6th AUGUST 2024 BOREHOLES No. BH46 & BH45

APA GENERAL REQUIREMENTS

- PLEASE NOTE THAT ALL WORKS MUST BE CONDUCTED IN COMPLIANCE WITH APA REQUIREMENTS AND STANDARD DOCUMENTATION INCLUDING STANDARD DRAWINGS
- ALL WORKS SHALL COMPLY TO APA DOCUMENT 580-POL-L-0001 REV.4 STANDARD CONDITIONS FOR WORKS NEAR APA GROUP GAS TRANSMISSION PIPELINES
- EXCAVATION ABOVE THE GAS PIPELINE SHALL BE CONDUCTED PER APA PROCEDURE 320-PR-OM-0067 REV.3
- NO VIBRATION WORKS WITHIN 3M OF GAS TRANSMISSION PIPELINE
- NO BOLLARD POSTS WITHIN 1.5M OF GAS TRANSMISSION PIPELINE

WORK AS CONSTRUCTED CERTIFICATION		Sydney WATER SYDNEY WATER CORPORATION	
DEVELOPER	.....	Case No. 211075WW	SHT 4 OF 5 SHTS.
W.S.C.	.....		
CONSTRUCTOR	.....		
COMPLETED	.....		
W.A.C. PREPARED	.....		
DESIGNER	.....	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	

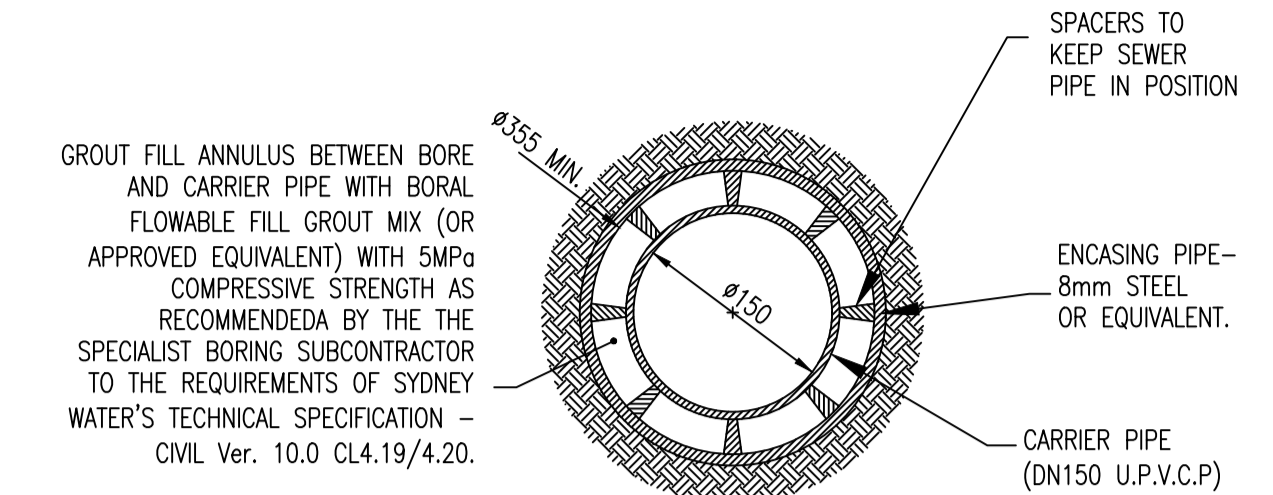
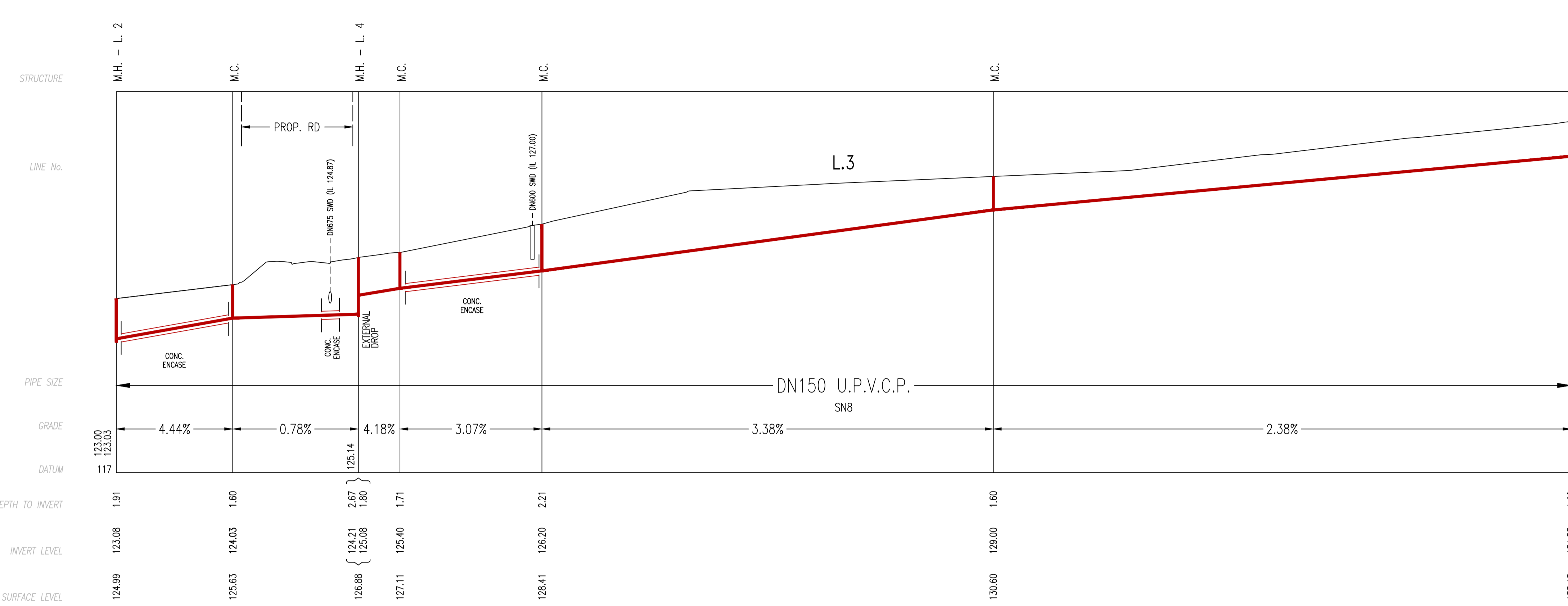


DIAGRAM A - TYPICAL ENCASING PIPE DN150  
SCALE N.T.S.

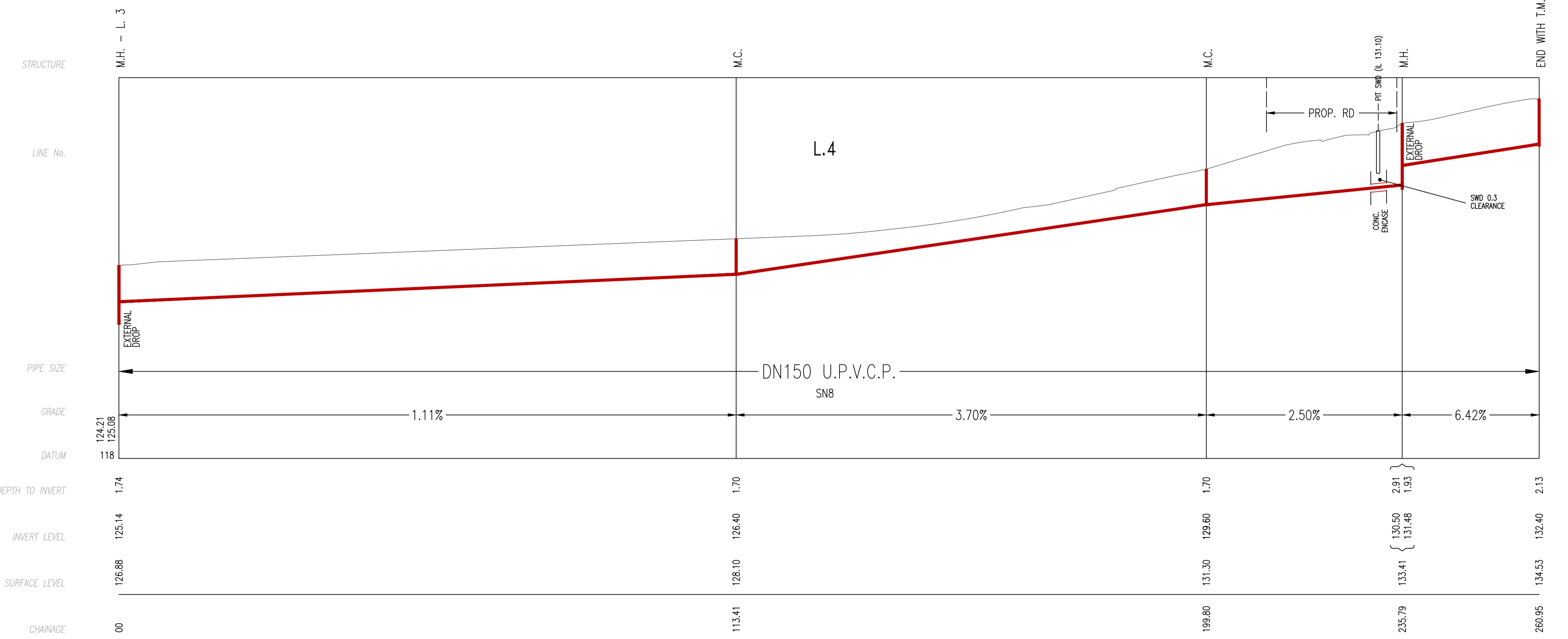
**TRENCHLESS CONSTRUCTION NOTES:**  
THE CONTRACTOR SHALL FURNISH ALL LABOUR, PLANT, MATERIAL, TOOLS & EQUIPMENT TO COMPLETE THE TRENCHLESS INSTALLATION THROUGH ALL CLASS OF MATERIALS.  
THE CONTRACTOR SHALL BE FAMILIAR WITH THE GEOTECHNICAL REPORT. ANY GAPS OR DEFICIENCY IN THE GEOTECHNICAL INFORMATION REQUIRED BY THE CONTRACTOR MUST BE INVESTIGATED AT THEIR OWN COST.  
THE CONTRACTOR SHALL ALLOW FOR ALL CONSUMABLES WHICH MAY BE REQUIRED TO SUCCESSFULLY COMPLETE THE BORE SUCH AS DRILLING FLUIDS, BENTONITE SLURRY, PIPE SLEEVES, PIPE SPACERS AND GROUT, ETC.  
THE CONTRACTOR SHALL ALLOW FOR THE DISPOSAL OF ALL SPOIL RELATED TO THE TRENCHLESS CONSTRUCTION.  
NO VARIATIONS WILL BE ALLOWED FOR UNFORESEEN WORK THROUGH FAILURE TO ADAPT THE ABOVE PRECAUTIONS.

- 1.1 SUBMITTALS**  
PRIOR TO COMMENCING ANY WORK, THE CONTRACTOR SHALL SUBMIT A CLEAR & DETAILED STATEMENT FOR THE EXECUTION OF THE TRENCHLESS PIPE INSTALLATION TO THE NSC. THE SUBMISSION SHALL INCLUDE BUT NOT LIMITED TO THE FOLLOWING:
- COMPLETE TRENCHLESS CONSTRUCTION METHODOLOGY, INCLUDING SPECIFICATION ON THE PROPOSED MACHINERY THAT WILL BE USED, ALIGNMENT CONTROLS & SEQUENCE OF OPERATION
  - SAFETY MANAGEMENT PLAN
  - QUALITY MANAGEMENT PLAN
  - STATEMENT OF CAPABILITY THAT THE PROPOSED EQUIPMENT AND METHODOLOGY SHALL BE CAPABLE OF ACHIEVING THE TOLERANCES IN LINE AND LEVEL AS SPECIFIED
  - SCHEDULE OF WORK
  - GROUND MONITORING EQUIPMENT AND METHODS (IF APPLICABLE)
  - DRAWING OF THE WORK SITE, INCLUDING LOCATION & FOOTPRINT OF EQUIPMENT, BORING PITS & SLURRY CONTAINMENT PITS
  - METHOD OF SPOIL/SLURRY/DRILLING FLUIDS, TRANSPORTATION FROM CUT FACE, NATURE OF HAULAGE EQUIPMENT & DISPOSAL
  - CONTINGENCY PLANS DETAILING HOW STOPPAGES DUE TO OBSTRUCTIONS OR LOSS OF GROUND SHALL BE DEALT WITH.

- 1.2 PERFORMANCE REQUIREMENTS**
- THE CONTRACTOR SHALL PROVIDE AT LEAST ONE SELF CONTAINED BORING RIG IN GOOD OPERATING CONDITION, WITH SUFFICIENT TORQUE & POWER NECESSARY TO COMPLETE THE WORKS IN A SATISFACTORY MANNER
  - THE CONTRACTOR SHALL PROVIDE DETAILS OF ALL BENTONITE INJECTION OPERATIONS (IF REQUIRED)
  - DEWATERING NOT PERMITTED DURING TRENCHLESS INSTALLATION, BUT IF REQUIRED MAYBE PERMITTED FOR CONSTRUCTION OF ACCESS/RECOVERY SHAFTS.
  - THE CONTRACTOR SHALL ENSURE PIPES ARE INSTALLED INTO PLACE WITHOUT DAMAGING THE PIPE JOINTS
  - THE CONTRACTOR SHALL ENSURE DIRECTIONAL CONTROL OF THE BORE/AUGER HEAD IS MAINTAINED AT ALL TIMES.

- 1.3 OBSTRUCTION AND LOSS OF GROUND**
- IF STORAGE IN THE FORWARD PROGRESS OF THE WORKS IS ENCOUNTERED, THE CAUSE SHALL BE DETERMINED BY THE CONTRACTOR. THE INSTALLATION METHOD SHALL BE MODIFIED TO BEST SUIT THE ACTUAL CONDITIONS ENCOUNTERED. THE CONTRACTOR SHALL ALLOW FOR ALL NECESSARY MATERIALS & EQUIPMENT REQUIRED TO MAINTAIN PROGRESS.
  - SHOULD APPRECIABLE LOSS OF GROUND OCCUR DURING THE TRENCHLESS OPERATION, ALL VOIDS SHALL BE BACKPACKED PROMPTLY TO THE EXTENT PRACTICABLE WITH SOIL CEMENT CONSISTING OF A SLIGHTLY MOISTENED MIXTURE, COMPRISING ONE PART CEMENT TO FIVE PARTS GRANULATED MATERIALS. WHERE THE SOIL IS NOT SUITABLE FOR THIS PURPOSE, THE CONTRACTOR SHALL ALLOW FOR IMPORTING OF SUITABLE MATERIAL AS REQUIRED.

- 1.4 RESPONSIBILITY FOR FINAL TRENCHLESS DESIGN & CONSTRUCTION**
- THE CONTRACTOR SHALL INDEPENDENTLY EVALUATE THE FEASIBILITY OF THE PROPOSED TRENCHLESS INSTALLATION AND CONFIRM SUITABILITY OF EQUIPMENT & CONSTRUCTION PROCEDURES IN RELATION TO THE ACTUAL SITE TOPOGRAPHY, SOIL & GROUNDWATER CONDITIONS, EXISTING SITE CONSTRAINTS AND OTHER RELEVANT FEATURES. THE CONTRACTOR SHALL CONFIRM THE PROPOSED CARRIER PIPE, SLEEVE PIPE & GROUT MIX AS DOCUMENTED ON THE DESIGN DRAWINGS ARE SUITABLE FOR INSTALLATION IN ACCORDANCE WITH THEIR PROPOSED METHODOLOGY. WHERE A VARIATION TO THIS BORE METHODOLOGY IS REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL DESIGN OF THE TRENCHLESS INSTALLATION & SHALL PROVIDE ALL NECESSARY DOCUMENTATION TO THE NSC FOR APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WORKS.
  - GROUTING PRESSURES SHALL BE CAREFULLY MONITORED TO ENSURE THE CARRIER PIPE DOES NOT BUCKLE DURING GROUTING OPERATIONS. CONTRACTOR TO FILL THE CARRIER PIPE WITH WATER WHERE THE REQUIRED GROUTING PRESSURE EXCEEDS 504kPa. GROUTING VOLUMES SHALL BE RECORDED TO CONFIRM THE INNER ANNULUS VOLUME IS MET.



MAINTENANCE STRUCTURE SCHEDULE					
LINE	CHAINAGE	TYPE	CLASS OF COVER	DESIGN COMMENTS	SETOUT INFORMATION
L.1	0.00	M.H.	-	EXISTING	-
L.1	68.16	M.H.	B	DTC 2200 - ISSUE F 18.03.15	TIES ON PLAN
L.2	0.00	M.H.	B	DTC 2200 - ISSUE F 18.03.15	TIES ON PLAN
L.2	107.58	M.C.	B	REHAU or IPLEX MIN. DN600 RISER	TIES ON PLAN
L.2	210.79	M.C.	B	REHAU or IPLEX MIN. DN600 RISER	TIES ON PLAN
L.2	222.76	M.H.	B	DTC 2203 - ISSUE B 18.03.15	TIES ON PLAN
L.2	334.56	M.C.	B	REHAU or IPLEX MIN. DN600 RISER	TIES ON PLAN
L.2	444.24	M.H.	B	DTC 2203 - ISSUE B 18.03.15	TIES ON PLAN
L.2	466.28	M.C.	B	REHAU or IPLEX MIN. DN600 RISER	TIES ON PLAN
L.2	545.02	T.M.S.	B	ANYROO OR EQUIV.	TIES ON PLAN
L.3	0.00	M.H.	B	DTC 2203 - ISSUE B 18.03.15	TIES ON PLAN
L.3	21.40	M.C.	B	REHAU or IPLEX MIN. DN600 RISER	TIES ON PLAN
L.3	44.47	M.H.	B	DTC 2203 - ISSUE B 18.03.15	TIES ON PLAN
L.3	52.12	M.C.	B	REHAU or IPLEX MIN. DN600 RISER	TIES ON PLAN
L.3	78.21	M.C.	B	REHAU or IPLEX MIN. DN600 RISER	TIES ON PLAN
L.3	161.14	M.C.	B	REHAU or IPLEX MIN. DN600 RISER	TIES ON PLAN
L.3	267.31	T.M.S.	B	ANYROO OR EQUIV.	TIES ON PLAN
L.4	0.00	M.H.	B	DTC 2203 - ISSUE B 18.03.15	TIES ON PLAN
L.4	113.41	M.C.	B	REHAU or IPLEX MIN. DN600 RISER	TIES ON PLAN
L.4	199.80	M.C.	B	REHAU or IPLEX MIN. DN600 RISER	TIES ON PLAN
L.4	235.79	M.H.	B	DTC 2203 - ISSUE B 18.03.15	TIES ON PLAN
L.4	260.95	T.M.S.	B	ANYROO OR EQUIV.	TIES ON PLAN

WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	.....		Case No. 211075WW   SHT 5 OF 5 SHTS.
W.S.C.	.....		
CONSTRUCTOR	.....		
COMPLETED	.....		
W.A.C. PREPARED	.....		
DESIGNER	.....	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	