

LOCALITY SKETCH
N.T.S.

- NOTES :
- WATER SERVICING COORDINATOR AND DESIGNER:
CALIBRE PROFESSIONAL SERVICES (NSW) PTY LTD
P.O. BOX 8300 BAULKHAM HILLS BC NSW 2153
Ph: (02) 8808 5000
FOR:
REDBANK COMMUNITIES
PO BOX 262
NORTH RICHMOND NSW 2754
PH: (02) 4760 1502
 - MAIN LAID GENERALLY 2.6m P.L. AT 0.8m COVER EXCEPT WHERE OTHERWISE SHOWN. WHERE REQUIRED, MAIN LOCALLY RAISED TO STANDARD COVER TO ACHIEVE THE REQUIRED VERTICAL CLEARANCE TO STORMWATER PIPES.
 - MAIN LAYING DID NOT PROCEED PRIOR TO FORMATION OF FOOTWAYS TO FINISHED SURFACE LEVELS.
 - MAIN LAID OVER STORMWATER & SEWER LINES UNLESS OTHERWISE INDICATED.
 - ALL MAINS LAID IN EXISTING OR PROPOSED ROAD CARRIAGEWAYS - REFER TO SITE SPECIFIC COMPACTION SPECIFICATION.
 - THRUST/ANCHOR BLOCKS CONSTRUCTED AT ALL BENDS, TEES, TAPERS, FITTINGS & PARTS OF PIPELINE WHERE UNBALANCED THRUST OCCURS. REFER SYDNEY WATER DEEMED TO COMPLY DRAWING DTC-1110 (BENDS) (Iss. A, 31/01/12), (DTC-1111 (TYPE 2 BENDS) (Iss. B, 29/02/12) IF REQUIRED), DTC-1113 (TEES) (Iss. B, 29/02/12) & DTC-1114 (HYDRANT BENDS) (Iss. A, 31/01/12).
 - STOP VALVE ANCHOR BLOCKS CONSTRUCTED IN ACCORDANCE WITH WAT-1207-V.
 - THRUST BLOCKS AT CONNECTION POINTS PREPOURED AGAINST UNDISTURBED GROUND AND CURED FOR A MINIMUM 7 DAYS BEFORE SUBJECT TO THRUST LOADINGS.
 - AREA COVERED BY TREE PRESERVATION ORDER.
 - ALL PROPERTY (MAIN TO METER) SERVICES CONSTRUCTED TO SYDNEY WATER'S INSTALLATION REQUIREMENTS BY A LICENSED PLUMBER. THE WORKS WERE INSTALLED IN ACCORDANCE WITH THE CURRENT SYDNEY WATER PROPERTY (MAIN TO METER) SERVICE INSTALLATIONS TECHNICAL REQUIREMENTS, NSW CODE OF PRACTICE FOR PLUMBING AND DRAINAGE AND AS/NZS3500.
 - THE MINIMUM NUMBER OF FIELD COMPACTION TESTS REQUIRED TO SATISFY THE WATER SUPPLY CODE OF AUSTRALIA WERE:
PIPE EMBEDMENT ZONE: - 7 TRENCH FILL ZONE:
- TRAFFICABLE: NIL SEE NOTE 5
- NON-TRAFFICABLE: - 21

NUMBER OF TESTS VERIFIED BY ACCREDITED FIELD TESTER.
(PLEASE REFER TO SITE SPECIFIC COMPACTION SPECIFICATION.)
 - DICL PIPES & FITTINGS WRAPPED IN BLUE POLYETHYLENE SLEEVING.
 - LIGHT DUTY STEEL SURFACE COVERS REQUIRED FOR FITTINGS IN CONCRETE PATHS.
 - SYDNEY WATER REQUIREMENTS FOR CONTRACTOR ELECTRICAL SAFETY DATED 19/12/2011 APPLIED, AND SITE SPECIFIC PROJECT SAFETY PLAN WITH APPROPRIATE WORK METHOD STATEMENT IMPLEMENTED.

SITE SPECIFIC COMPACTION SPECIFICATION

WITHIN FULL WIDTH OF ROAD CARRIAGEWAY PLUS 1.0M EITHER SIDE -

- ALL SUBGRADE SHALL BE CARRIED UP IN HORIZONTAL LAYERS, OF NOT MORE THAN 300MM THICK LOOSE MEASUREMENT, IF REQUIRED, AND SHALL HAVE EACH LAYER COMPACTED TO A 100% STANDARD DRY DENSITY RATIO DETERMINED IN ACCORDANCE WITH AS 1289 5.4.1-2007 "COMPACTION CONTROL TEST - DRY DENSITY RATIO, MOISTURE VARIATION AND MOISTURE RATIO".
- ALL SUB-BASE COURSE SHALL BE PLACED AND COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY RATIO DETERMINED IN ACCORDANCE WITH AS 1289 5.4.1-2007 "COMPACTION CONTROL TEST - DRY DENSITY RATIO, MOISTURE VARIATION AND MOISTURE RATIO".
- ALL BASE COURSE SHALL BE PLACED AND COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY RATIO DETERMINED IN ACCORDANCE WITH AS 1289 5.4.1-2007 "COMPACTION CONTROL TEST - DRY DENSITY RATIO, MOISTURE VARIATION AND MOISTURE RATIO".
- ALL ROAD CROSSINGS TO BE PROVIDED IN EXISTING ROADS, THE TRENCHES SHALL BE BACKFILLED AND COMPACTED WITH A SAND/CEMENT BLEND 20:1 MIX TO SUBGRADE LEVEL, THEN DRESSED TO WITHIN 50MM OF THE ROAD SURFACE, OR IF REQUIRED TO A HIGHER SPECIFICATION BY A SPECIFIC UTILITY AUTHORITY, TO THAT SPECIFICATION AS INSTRUCTED BY THE PROJECT SUPERINTENDENT.
- ALL TESTS TO BE TAKEN EVERY 50 METRE LENGTH OF PAVEMENT, TAKEN 1.0M FROM ALTERNATE SIDES OF PAVEMENT, BY A NATA REGISTERED LABORATORY.
- THESE AND ALL OTHER REQUIREMENTS TO BE COMPLIED WITH, TO BE READ IN CONJUNCTION WITH HAWKESBURY CITY COUNCIL DCP PART II - CONSTRUCTION SPECIFICATION.
- ANY ERRORS, OMISSIONS OR QUERIES TO BE SUBMITTED TO THE PROJECT SUPERINTENDENT FOR INSTRUCTION.

WITHIN FULL WIDTH OF ROAD FOOTPATH / VERGE EXCLUDING 1.0M BESIDE ROAD CARRIAGEWAY EITHER SIDE -

- ALL FILL SHALL BE CARRIED OUT IN HORIZONTAL LAYERS, EXTENDING THE FULL WIDTH OF THE AREA BEING FILLED, OF NOT MORE THAN 300MM CONSOLIDATED THICKNESS. EACH LAYER SHALL BE COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO DETERMINED IN ACCORDANCE WITH AS 1289 5.4.1-2007 "COMPACTION CONTROL TEST - DRY DENSITY RATIO, MOISTURE VARIATION AND MOISTURE RATIO".
- ALL TESTS TO BE TAKEN EVERY 50 METRE LENGTH OF ROAD FOOTPATH / VERGE ON CENTRLINE, BY A NATA REGISTERED LABORATORY.
- ALL TRENCHES TO BE BACKFILLED TO HAVE THE SAME COMPACTION AS THE SURROUNDING ROAD FOOTPATH / VERGE.
- ALL TRENCH TESTS TO BE TAKEN IN EACH 300MM LAYER AND EVERY 50 METRES OF TRENCH, BY A NATA REGISTERED LABORATORY.
- THESE AND ALL OTHER REQUIREMENTS TO BE COMPLIED WITH, TO BE READ IN CONJUNCTION WITH HAWKESBURY CITY COUNCIL DCP PART II - CONSTRUCTION SPECIFICATION.
- ANY ERRORS, OMISSIONS OR QUERIES TO BE SUBMITTED TO THE PROJECT SUPERINTENDENT FOR INSTRUCTION.

WITHIN LOTS -

- ALL FILL SHALL BE CARRIED OUT IN HORIZONTAL LAYERS, EXTENDING THE FULL WIDTH OF THE AREA BEING FILLED, OF NOT MORE THAN 300MM CONSOLIDATED THICKNESS. EACH LAYER SHALL BE COMPACTED TO A DENSITY OF AT LEAST 98% STANDARD DRY DENSITY RATIO DETERMINED IN ACCORDANCE WITH AS 1289 5.4.1-2007 "COMPACTION CONTROL TEST - DRY DENSITY RATIO, MOISTURE VARIATION AND MOISTURE RATIO". THE DEPTHS OF FILL AND THE COMPACTION THEREOF ARE TO BE VERIFIED BY THE SUBMISSION OF COMPACTION CERTIFICATES AND A PLAN SHOWING CONTOURED DEPTHS OF FILL IN RELATION TO LOT BOUNDARIES.
- ALL TESTS TO BE A MINIMUM OF TWO COMPACTION TESTS PER LOT PER LAYER ARE TO BE CARRIED OUT, BY A NATA REGISTERED LABORATORY.
- ALL TRENCHES TO BE BACKFILLED TO HAVE THE SAME COMPACTION AS THE SURROUNDING LOTS.
- ALL TRENCH TESTS TO BE TAKEN IN EACH 300MM LAYER AND EVERY 50 METRES OF TRENCH, BY A NATA REGISTERED LABORATORY.
- THESE AND ALL OTHER REQUIREMENTS TO BE COMPLIED WITH, TO BE READ IN CONJUNCTION WITH HAWKESBURY CITY COUNCIL DCP PART II - CONSTRUCTION SPECIFICATION.
- ANY ERRORS, OMISSIONS OR QUERIES TO BE SUBMITTED TO THE PROJECT SUPERINTENDENT FOR INSTRUCTION.

SITE SPECIFIC CONSTRUCTION NOTE

- IT IS ACKNOWLEDGED THAT THERE IS RECENTLY CONSTRUCTED / COMPLETED INFRASTRUCTURE THROUGHOUT THE AREA OF PROPOSED WORKS, WITH OWNERSHIP SPREAD ACROSS SYDNEY WATER, COUNCIL AND REDBANK COMMUNITIES. THE CONTRACTOR IS AT ALL TIMES, TO UNDERTAKE WHATEVER TASKS NECESSARY TO MINIMISE DISTURBANCE AND DAMAGE TO EXISTING ROAD, KERB & GUTTER, FOOTPATH AND VEGETATION ETC, WITH ALL REPAIR AND RECTIFICATION TO MATCH THAT WHICH EXISTED PRIOR TO THE WORKS BEING UNDERTAKEN. PHOTOS OF EXISTING CONDITION WILL BE SUPPLIED TO BOTH THE PRINCIPLE CIVIL CONTRACTOR, SYDNEY WATER ACCREDITED SUBCONTRACTOR AND SUPERINTENDENT, TO CONFIRM THE PRE-WORKS CONDITION.
- SYDNEY WATER ACCREDITED SUBCONTRACTOR AT ALL TIMES, IS TO CONSULT WITH THE PRINCIPLE CIVIL CONTRACTOR, TO ENSURE THAT THE DEVELOPER, REDBANK COMMUNITIES IS ADVISED AND APPROVES THE EXTENT OF REQUIRED DISTURBANCE PRE-WORKS, IS ADVISED AND APPROVES OF ANY CHANGES TO THIS EXTENT DURING THE WORKS, AND INSPECTS AND ACCEPTS THE COMPLETED WORKS PRIOR TO THE SYDNEY WATER ACCREDITED SUBCONTRACTOR LOGGING THEIR PROJECT COMPLETION PACKAGE (PCP) WITH THE WATER SERVICE CO-ORDINATOR, WITH THIS ROLE UNDERTAKEN BY CALIBRE PROFESSIONAL SERVICES. CALIBRE PROFESSIONAL SERVICES ARE TO ONLY ACCEPT THE PCP FOR PROCESSING, PROVIDED THIS INSPECTION AND ACCEPTANCE BY REDBANK COMMUNITIES HAS BEEN RECEIVED IN WRITING WITH THE PCP.

CONTACT DIAL BEFORE YOU DIG

CONSTRUCTION NOTES
THE PROPOSED WORKS AS DETAILED HERE ON CONSTRUCTED IN ACCORDANCE WITH:

- THE WATER RETICULATION CODE OF AUSTRALIA - WSA 03-2011-3.1 SYDNEY WATER EDITION 2014.
- SYDNEY WATER "DEEMED TO COMPLY" DRAWINGS INCLUDING DTC-1110 (Iss. A, 31/01/12), (DTC-1111 (Iss. B, 29/02/12) IF REQUIRED), DTC-1113 (Iss. B, 29/02/12) & DTC-1114 (Iss. A, 31/01/12).
- SITE SPECIFIC COMPACTION SPECIFICATION AND SITE SPECIFIC CONSTRUCTION NOTE.

THE CONSTRUCTOR HAD A COPY OF THESE DOCUMENTS ON SITE AT ALL TIMES.

04	WORK-AS-CONSTRUCTED	A.S.	30/04/20
03	PRELIMINARY WORK AS CONSTRUCTED	A.S.	24/02/20
02	ISSUE FOR SYDNEY WATER APPROVAL	T.W.	23/09/19
01	ISSUE FOR COMMENT	T.W.	04/04/19
No.	AMENDMENT DESCRIPTION	BY	DATE

PLAN TO BE READ IN CONJUNCTION WITH CURRENT SYDNEY WATER STANDARDS SYDNEY WATER CORPORATION

PRIOR TO COMMENCEMENT OF EXCAVATION FOR PROPOSED AND EXISTING SERVICES CONTACT DIAL BEFORE YOU DIG Ph. 1100

ELECTRICITY Ph.

GAS Ph.

TELECOMMUNICATIONS Ph.

ELECTRICAL Ph.

GIVING AT LEAST 48 HOURS NOTICE.

UTILITIES			UTILITIES		
TYPE	DATE	REF.	TYPE	DATE	REF.
STORMWATER: SMD	03/08/18	JWP			
PROP. STORMWATER: SMD	01/02/19	JWP			
PROP. SEWER: S	16/09/19	CALIBRE			
SEWER: S	14/09/18	CALIBRE			
TELECOM: TEL	14/03/19	NBN			
PROP. TELECOM: TEL	02/05/19	NBN			
ELECTRICAL: E	07/02/19	ENDEAVOUR			
PROP. ELECTRICAL: E	26/08/19	ENDEAVOUR			

WORK AS CONSTRUCTED CERTIFICATION

DEVELOPER: REDBANK COMMUNITIES

WATER SERVICE CO-ORDINATOR: CALIBRE PROFESSIONAL SERVICES (NSW) PTY LTD

CONSTRUCTOR: JONISHAN PTY LTD

COMPLETED: 11/02/2020 W.A.C. PREPARED: 30/04/2020

DESIGNER: CALIBRE PROFESSIONAL SERVICES (NSW) PTY LTD

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

PIPE SCHEDULE

SIZE (DN)	TYPE	CLASS	LENGTH	PIPE JOINING METHOD / NOTES
100	O.P.V.C.	PN16	337.8	RUBBER RING

DESIGN HEAD: 120 m

BOUNDARY TRAPS REQUIRED.

AUSTRALIAN HEIGHT DATUM

SCALES

PLAN 1:500 SECTION { HOR.

CROSS SECTIONS NATURAL

LENGTHS, DEPTHS & LEVELS ARE IN METRES.

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.

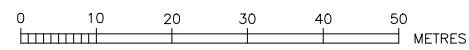
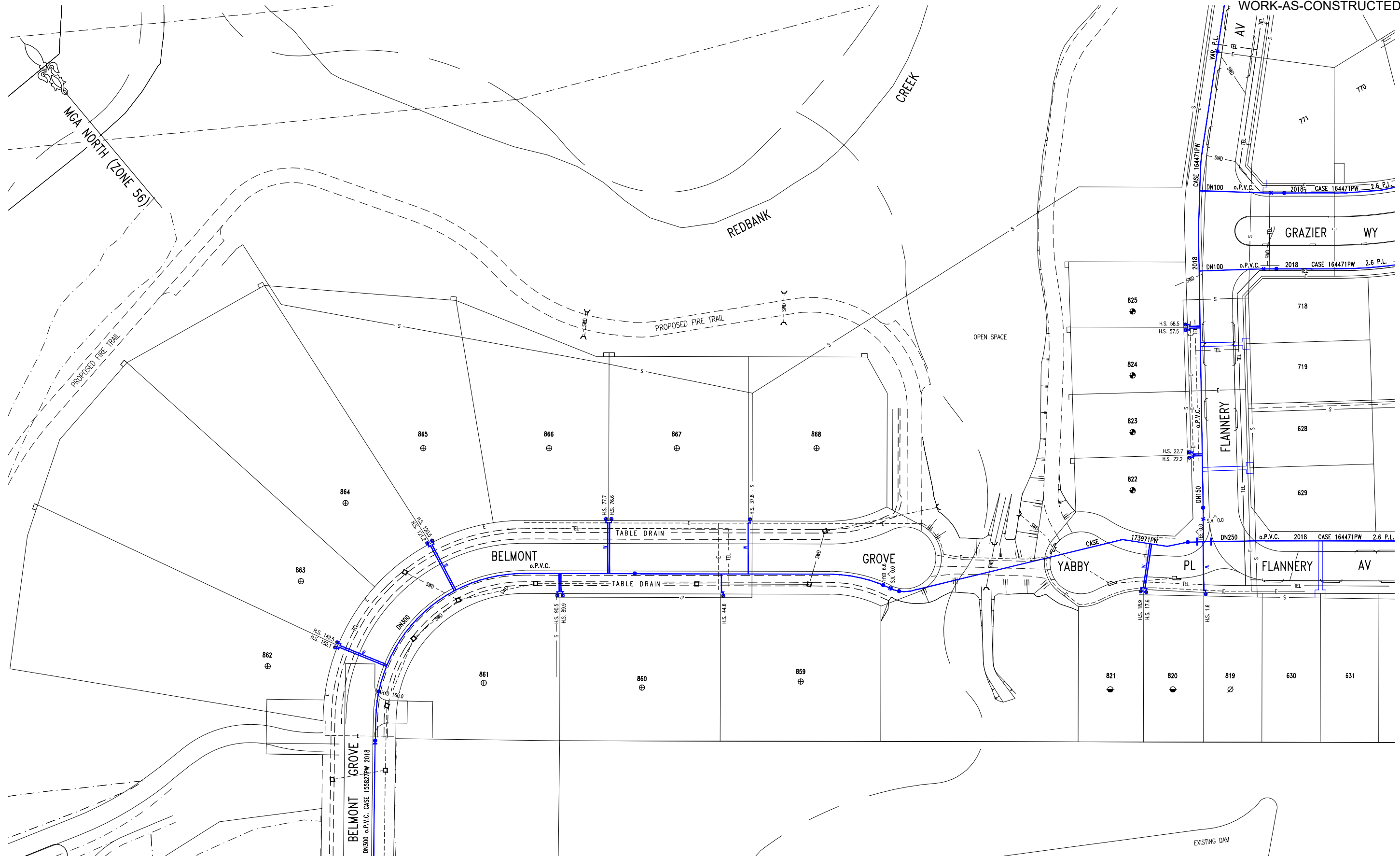
U.B. DIRECTORY MAP 63 G12 (41st EDITION)

SHEET . 1 . OF . 4 . File No. N/A

Sydney WATER SYDNEY WATER CORPORATION

Case No. 177968PW

WATERMAIN EXTENSION
PLOUGHMANS
NORTH RICHMOND HAWKESBURY

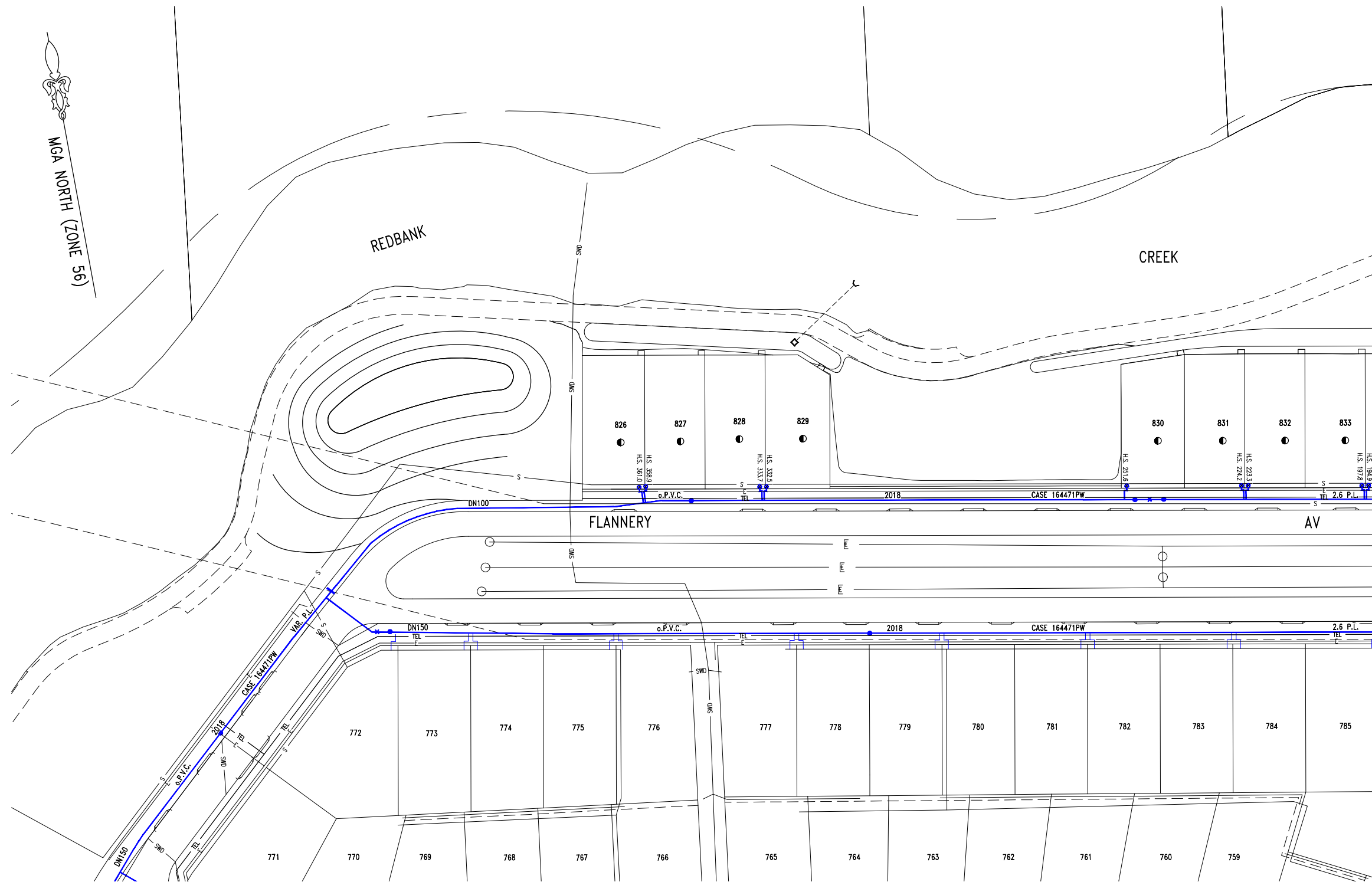


- ⊕ - INSTALLED PROPERTY SERVICES ON EXISTING DN300 o.P.V.C. MAIN.
- - INSTALLED PROPERTY SERVICES ON EXISTING DN300 o.P.V.C. MAIN. (CONTRACTOR ADVISED SUITABILITY OF PROPERTY SERVICE LOCATION)
- ⊖ - INSTALLED PROPERTY SERVICE ON EXISTING DN250 o.P.V.C. MAIN. (CONTRACTOR ADVISED SUITABILITY OF PROPERTY SERVICE LOCATION)
- ⊙ - INSTALLED PROPERTY SERVICES ON EXISTING DN150 o.P.V.C. MAIN.

PLEASE NOTE SITE SPECIFIC
COMPACTION SPECIFICATION AND
CONSTRUCTION NOTE - SHEET 1

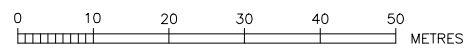
REDBANK
PLOUGHMANS

WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	REDBANK COMMUNITIES		
W.S.C. CALIBRE PROFESSIONAL SERVICES (NSW) PTY LTD	CONTRACTOR		
COMPLETED	11/02/2020	Case No. 177968PW	SHT 2 OF 4 SHTS.
W.A.C. PREPARED	30/04/2020	SYDNEY WATER CORPORATION	
DESIGNER CALIBRE, PROFESSIONAL SERVICES (NSW), PTY LTD		FOR DETAILS OF SERVICES SEE SHEET 1	
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS			



● - INSTALLED PROPERTY SERVICES ON EXISTING DN100 o.P.V.C. MAIN.

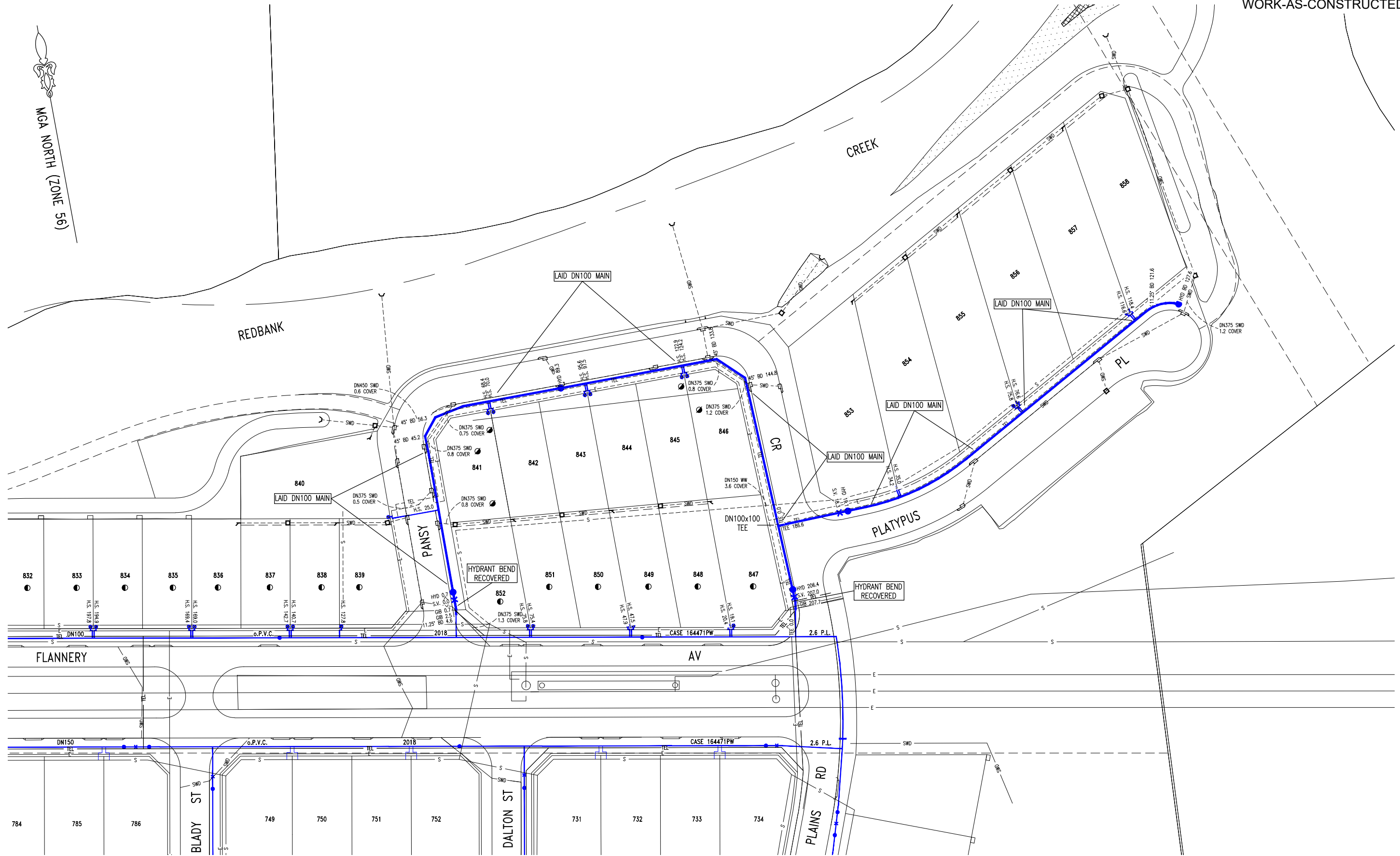
PLEASE NOTE SITE SPECIFIC
COMPACTION SPECIFICATION AND
CONSTRUCTION NOTE - SHEET 1



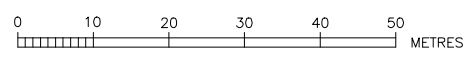
REDBANK
PLOUGHMANS

WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	REDBANK COMMUNITIES		
W.S.C. CALIBRE PROFESSIONAL SERVICES (NSW) PTY LTD			
CONSTRUCTOR	JONISHAN PTY LTD	Case No. 177968PW	SHT 3 OF 4 SHTS
COMPLETED	11/02/2020		
W.A.C. PREPARED	30/04/2020		
DESIGNER	CALIBRE, PROFESSIONAL SERVICES (NSW) PTY LTD	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	

MGA NORTH (ZONE 56)



- - INSTALLED PROPERTY SERVICES ON EXISTING DN100 o.P.V.C. MAIN.
- - LAID MAIN OVER PROPOSED SWD. REFER NOTE 2 ON SHEET 1.



PLEASE NOTE SITE SPECIFIC
COMPACTION SPECIFICATION AND
CONSTRUCTION NOTE - SHEET 1

PLAN DRAWN DATE: 30/04/2020 VERSION: 04 SHEET 4 OF 4 SHEETS

REDBANK
PLOUGHMANS

WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	REDBANK COMMUNITIES		Case No. 177968PW SHT 4 OF 4 SHTS.
W.S.C. CALIBRE PROFESSIONAL SERVICES (NSW) PTY LTD	CONSTRUCTOR		
COMPLETED	11/02/2020	W.A.C. PREPARED 30/04/2020	
DESIGNER	CALIBRE PROFESSIONAL SERVICES (NSW) PTY LTD	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	