



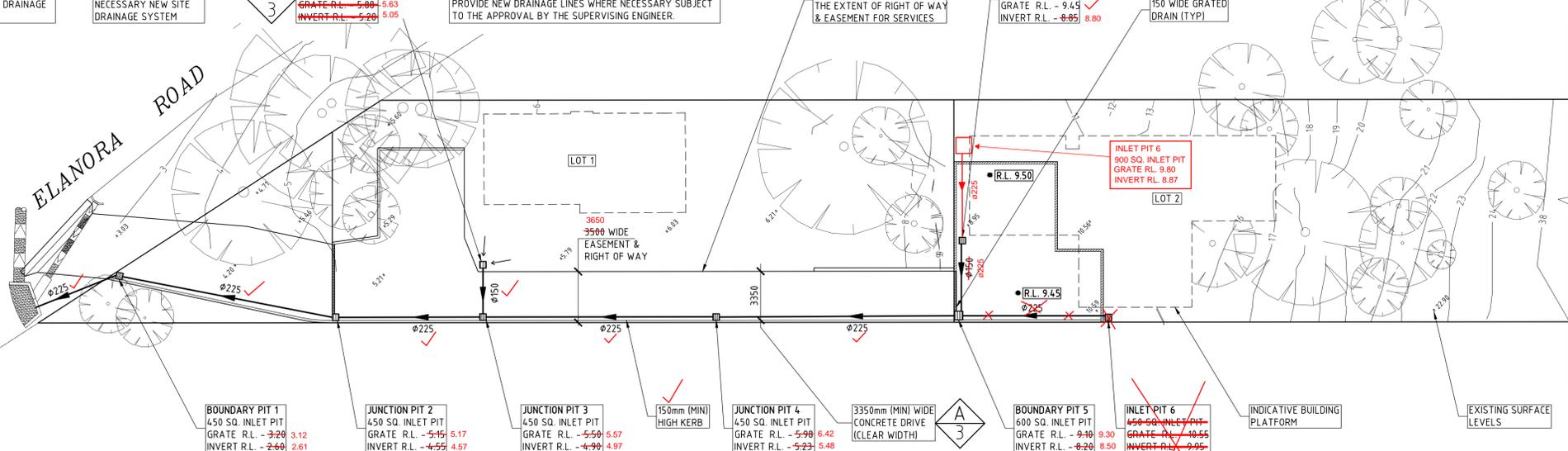
NOTE: CHECK & LOCATE DEPTH OF EXISTING MAINS & SERVICES PRIOR TO CONSTRUCTION OF STORMWATER SYSTEM AS VARIATIONS IN POSITION OF MAINS COULD AFFECT DRAINAGE CONSTRUCTION DETAILS

NOTE: CONNECT EXISTING SITE DRAINAGE AS NECESSARY NEW SITE DRAINAGE SYSTEM

NOTE: PLUMBER TO PERFORM WATER TESTING OF EXISTING PIPED SYSTEM TO DETERMINE CAPACITY AND STATE OF REPAIR. PLUMBER TO INSPECT & REPAIR DAMAGED SECTIONS OF EXISTING PIPE (INCLUDING DOWNPIPES) AS NECESSARY OR PROVIDE NEW DRAINAGE LINES WHERE NECESSARY SUBJECT TO THE APPROVAL BY THE SUPERVISING ENGINEER.

NOTE: EDGE OF PROPOSED CONCRETE DRIVEWAY IS ALSO THE EXTENT OF RIGHT OF WAY & EASEMENT FOR SERVICES

WAKEHURST PARKWAY
ELANORA ROAD



INTER-ALLOTMENT DRAINAGE PLAN

SCALE 1:200
NOTE: REFER TO DRIVEWAY PLAN & LONG-SECTION DWG 17817-1 FOR DRIVEWAY PLAN & SET OUT

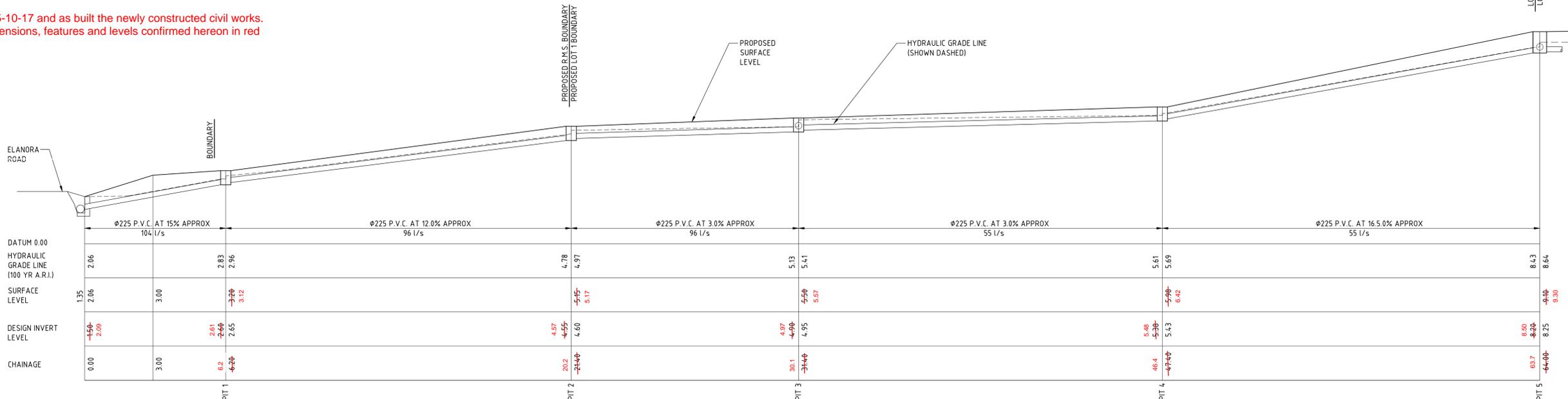
900 SQ. INLET PIT
GRADE R.L. 10.55
INVERT R.L. 8.97
CONSTRUCT 900 SQ. INLET PIT TO PITTWATER COUNCIL STANDARD DRAINAGE DRAWINGS SHEET 3 OF 5

- DRAINAGE NOTES**
- + DENOTES EXISTING GROUND LEVEL
 - FALL STORMWATER PIPES AT 1% MIN. UNLESS OTHERWISE NOTED.
 - SUB-SOIL DRAINAGE TO BE CONNECTED TO THE SITE DRAINAGE SYSTEM AS NECESSARY.
 - SURFACE GRATES 450 SQ. UNLESS OTHERWISE NOTED.
 - ALL STORMWATER PIPES TO HAVE SOLVENT CEMENT WATERTIGHT JOINTS.
 - CHECK & LOCATE DEPTH OF EXISTING MAINS & SERVICES PRIOR TO CONSTRUCTION OF STORMWATER SYSTEM AS VARIATIONS IN POSITION OF MAINS COULD AFFECT DRAINAGE CONSTRUCTION DETAILS.
 - INSPECTIONS MUST BE UNDERTAKEN BY THIS OFFICE (BY PRIOR ARRANGEMENT WITH ENGINEER) DURING CONSTRUCTION TO ENABLE FULL CERTIFICATION UPON COMPLETION OF WORKS.
 - ALL CONSTRUCTION OF COUNCIL DRAINAGE WORKS TO COMPLY WITH COUNCIL STANDARD.
 - REMOVE REDUNDANT DRAINAGE PITS AND SEAL PIPES.
 - PIT BENCHING TO BE HALF THE OUTGOING PIPE DIAMETER. CONCRETE FOR BENCHING TO BE 20 MPa MASS CONCRETE.
 - APPROVED PRE-CAST PITS MAY BE USED.
 - ALL PIPES TO BE LAID ON COMPACTED FINE CRUSHED ROCK OR SAND BEDDING 75mm THICK & PIPES BACKFILLED WITH COMPACTED SAND TO 300mm ABOVE TOP OF PIPE, ELSE ATTACHED TO UNDERSIDE OF STRUCTURE AT 600mm c/c AS NECESSARY.
 - PIPE ROUTES SHOWN ARE INDICATIVE ONLY AND SHOULD BE AS NECESSARY ACCORDING TO SITE CONDITIONS, TREE POSITIONS ETC. CONFIRM SIGNIFICANT CHANGES IN PIPES SYSTEM DETAILS WITH SUPERVISING ENGINEER PRIOR TO COMMENCEMENT OF DRAINAGE CONSTRUCTION WORKS.
 - CONTRACTOR SHALL ENSURE THAT SERVICES TO BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED. CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS WHERE REQUIRED. ONCE WORKS ARE COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL TEMPORARY SERVICES AND MAKE GOOD ALL DISTURBED AREAS.
 - STORMWATER SYSTEM REQUIRES SIGNIFICANT MAINTENANCE DUE TO POTENTIAL HIGH POLLUTANT LOAD. FILTERS AND POLLUTANT TRAPS SHOULD BE CHECKED AFTER LARGE STORM EVENTS AND CLEANED EVERY 6 MONTHS.
 - PLUMBING AND DRAINAGE WORKS TO COMPLY WITH AS-3500, THE NATIONAL DRAINAGE & PLUMBING CODE.
 - WHERE POSSIBLE DRAINAGE LINES SHALL BE LAID IN AREAS PREVIOUSLY DISTURBED BY OTHER SITE WORKS AND FOLLOW TOPOGRAPHICAL FEATURES TO REDUCE IMPACT AND AVOID TREE ROOTS.
 - THIS STORMWATER MANAGEMENT PLAN HAS BEEN PREPARED FOR C.C. SUBMISSION TO COUNCIL AND DOES NOT NECESSARILY CONTAIN ALL APPROPRIATE INFORMATION TO ENABLE FOR ISSUE TO PLUMBER/BUILDER FOR CONSTRUCTION. CONTACT TAYLOR CONSULTING FOR MORE INFORMATION.
- SITE SYSTEM DESIGN DATA**
- LOT 1 DATA**
- SITE AREA = 779 m²
EXIST. MODELLED IMPERVIOUS AREA = 69 % imp.
EXIST. GRASSED FLOW LENGTH = 61 m
EXIST. GRASSED SLOPE = 30%
- 5 YR ARI = 29 l/s
20 YR ARI = 42 l/s
100 YR ARI = 49 l/s
- LOT 2 DATA**
- SITE AREA = 1098 m²
EXIST. MODELLED IMPERVIOUS AREA = 25 % imp.
EXIST. GRASSED FLOW LENGTH = 75 m
GRASSED SLOPE = 30%
- 5 YR ARI = 22 l/s
20 YR ARI = 41 l/s
100 YR ARI = 55 l/s

CMS Surveyors Pty Limited
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LAND SURVEYING, PLANNING & DEVELOPMENT CONSULTANTS
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1/32 CAMPBELL AVENUE, DEE WHY NSW 2099
Ph: 02 9971 4802 Fax: 02 9971 4822 Email: info@cmssurveyors.com.au

OUR REF: 957A as-built redups
Date: 23-10-17
we have attended site on 5-10-17 and as built the newly constructed civil works.
we hereby confirm the dimensions, features and levels confirmed hereon in red represents finished works.

cbg
Registered Surveyor
No.1605



INTER-ALLOTMENT DRAINAGE LONG-SECTION

SCALE 1:100

CONSTRUCTION CERTIFICATE

Certificate No. SX170045C01
Date of Issue 29 May 2017
Issuing Officer *James J...*
Accreditation No. BPPB0565

These plans/specifications form part of the certificate issued 29 May 2017

ALL WORKS WITHIN THE EXISTING ROAD RESERVE ARE EXCLUDED FROM THIS APPROVAL

ISSUE DATE	REVISION
MAY 2017	COUNCIL DRIVE PROFILE ADDED
MAY 2017	REVISED TO SUIT CERTIFIERS COMMENTS
MAY 2017	PARKING BAYS ADDED

INTER-ALLOTMENT DRAINAGE PLAN
1 ELANORA ROAD, ELANORA HEIGHTS

DRAWN: AWW
DATE: 20 APRIL 2017
CHECKED: *self*
SCALE: A1
1:200
1:100

TAYLOR CONSULTING
CIVIL & STRUCTURAL ENGINEERS

17817-2/C

