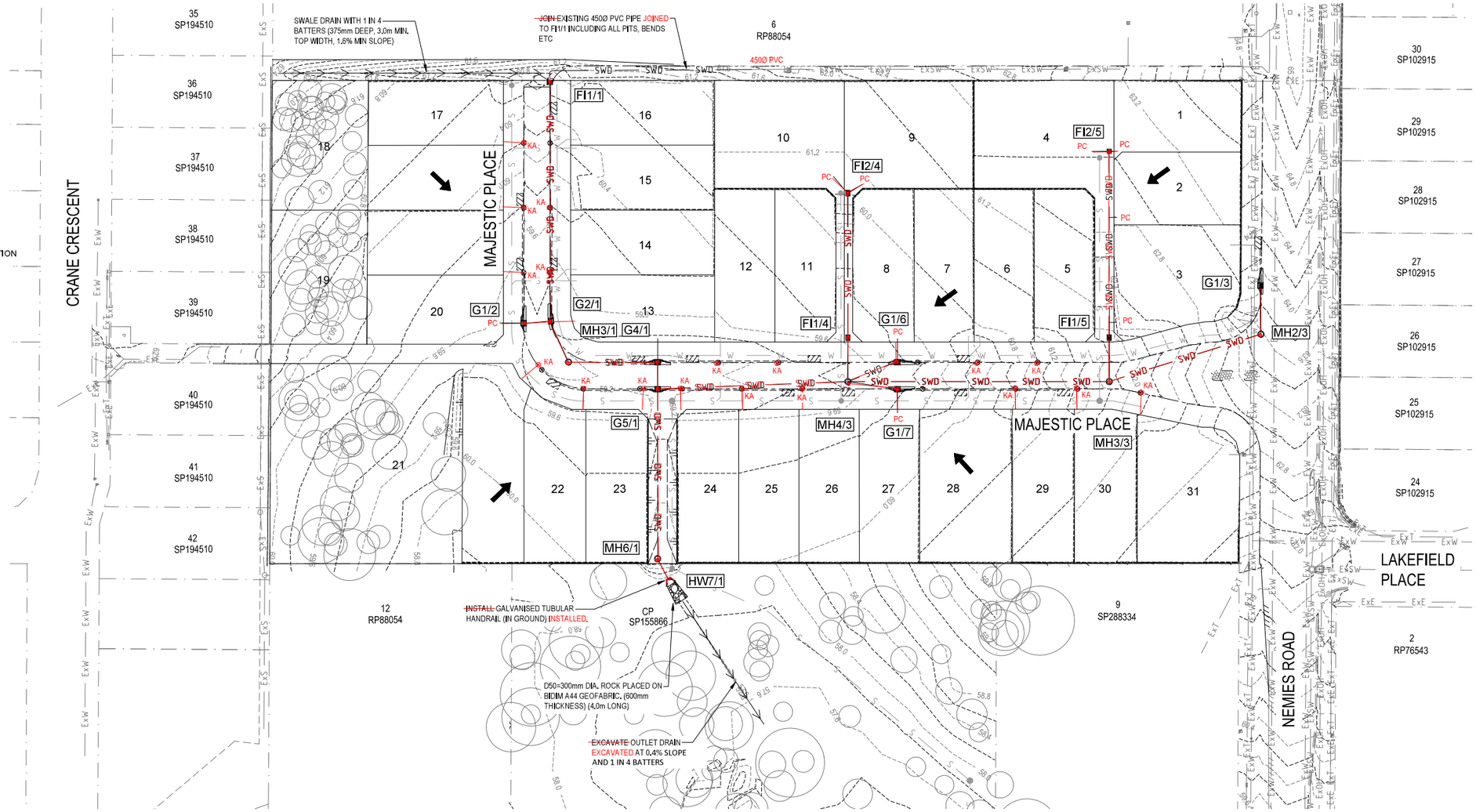
LEGEND

- SITE BOUNDARY
- EXISTING PROPERTY BOUNDARY
- FINISHED CONTOURS (AT 0.20m INTERVALS)
- EXISTING KERB
- EXISTING STORMWATER
- EXISTING SEWER
- EXISTING WATER
- EXISTING TELSTRA
- EXISTING ELECTRICAL
- EXISTING OVERHEAD ELECTRICAL
- EXISTING GAS
- EXISTING EDGE OF BITUMEN
- EXISTING TREES
- PROPOSED KERB & CHANNEL
- PROPOSED EDGE OF BITUMEN
- PROPOSED STORMWATER DRAINAGE PIPE
- CONSTRUCTED STORMWATER DRAINAGE PIPE
- CONSTRUCTED 150Ø uPVC ROOFWATER PROPERTY CONNECTION
- CONSTRUCTED KERB ADAPTOR
- PROPOSED STORMWATER PIT
- STORMWATER DRAINAGE MANHOLE
- PROPOSED STORMWATER KERB GULLY
- PROPOSED STORMWATER DRAINAGE HEADWALL
- PROPOSED SWALE DRAIN INVERT
- PROPOSED KERB ADAPTOR
- PROPOSED WSUD TREE
- PROPOSED WSUD TREE SUBSOIL DRAIN CONNECTION TO GULLY PIT (150Ø uPVC)
- PROPOSED SEWER PIPE
- PROPOSED SEWER MAINTENANCE STRUCTURE
- PROPOSED WATER PIPE
- PROPOSED CATCHMENT FLOW DIRECTION



NOTE

ALL WORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE APPROVED VEGETATION MANAGEMENT PLAN BY SAUNDERS HAVILL AND APPROVED EROSION AND SEDIMENT CONTROL PLANS

WSUD TREE NOTES:

1. ALL WSUD TREE TO BE IN ACCORDANCE WITH BCC STD DRGS BSD-9034 AND BSD-9035. REDUCE BASE LENGTH FROM 1.4m TO 1.0m.
2. ALL SUBSOIL DRAINS FROM WSUD TREE TO CONNECT TO 150mm Ø NON-SLOTTED uPVC COLLECTOR PIPE. COLLECTOR PIPE TO CONNECT TO NEAREST DOWNSTREAM GULLY PIT AT 0.5% MINIMUM GRADE.

DRAINAGE NOTES

1. CONNECTIONS TO KERB & CHANNEL TO BE SINGLE OR MULTIPLE HOT DIPPED GALVANISED RHS ENDING IN ADAPTOR CONNECTOR AT KERB AND CHANNEL. FOR DETAILS REFER FOOTPATH CROSSING DETAIL ON BCC STD DRG No. BSD-8114. ALL KERB ADAPTORS FOR SINGLE LOTS ARE TO HAVE A MINIMUM 1% FALL TO THE KERB AND CHANNEL.
2. ALL SETTING OUT IS THE RESPONSIBILITY OF THE CONTRACTOR. PRIOR TO WORKS COMMENCING ON SITE, THE SUPERINTENDENT'S SURVEYOR SHALL PEG ALL ALLOTMENT BOUNDARIES, PROVIDE COORDINATE INFORMATION TO THESE PEGS AND PLACE BENCH MARKS. THE CONTRACTOR SHALL SET OUT THE WORKS FROM AND MAINTAIN THESE PEGS.
3. THE CONTRACTOR IS TO CONFIRM THE LOCATION OF SERVICE CONDUITS WITH THE SUPERINTENDENT PRIOR TO LAYING STORMWATER DRAINAGE. ALL TRENCH EXCAVATION AND CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORKPLACE HEALTH AND SAFETY ACT 2011.
4. ALL STORMWATER MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH BCC STD DRG BSD-8021 AND BSD-8033.
5. ALL STORMWATER DRAINAGE GULLIES SHALL BE 'KERB INLET - LIP IN LINE' IN ACCORDANCE WITH BCC STD DRG BSD-8051.
6. ALL STORMWATER DRAINAGE FIELD INLETS SHALL BE TYPE 2 IN ACCORDANCE WITH BCC STD DRG BSD-8091.
7. ALL INLETS AND OUTLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH BCC STD DRG BSD-8101.

AS CONSTRUCTED NOTE

"THIS AS-CONSTRUCTED DRAWING DEPICTS AN ACCURATE RECORD OF "AS BUILT" INFRASTRUCTURE AND SERVICES COMPLETED BY CIVIL CONTRACTORS. THE ACCURACY HAS BEEN DETERMINED BY INFORMATION SUPPLIED TO THE ENGINEER AT THE TIME OF ISSUING THIS DRAWING"

ENGINEER'S CERTIFICATION

I, ... CALVIN KIRK ....., hereby certify that:

1. The information contained in this drawing / document is in compliance with approved drawings and design.
2. The works defined by this drawing have been designed and constructed in accordance with the local authority standards.
3. This represents an accurate record of as constructed works
4. I accept responsibility for the information contained in this drawing / document.

RPEQ (signature) RPEQ No. 19536 Date: 22.01.2020

AS CONSTRUCTED

REV	DESCRIPTION	DATE	DRAWN	APPROVED
2	AS CONSTRUCTED	22.01.20	IE	CK
1	WALL LOCATION, CONTOURS UPDATED	22.10.19	MKP	CK
0	ISSUED FOR CONSTRUCTION	29.08.19	MKP	CK

NORTH POINT:

CLIENT: LENNIUM GROUP PROJECTS 10 PTY LTD

Inertia
ABN 82 115 498 023
E-mail: info@inertiaeng.com.au
Unit 5B/85 Hudson Road Albion, QLD 4010
Phone: 3857 7868
Fax: 3262 7359

© COPYRIGHT of this engineering design and plan is the property of INERTIA ENGINEERING PTY LTD

SCALE BARS:
0 1 2 3m
SCALE 1:50 @ A1
0 10 20 30m
SCALE 1:500 @ A1

PROJECT: PROPOSED DEVELOPMENT 54-64 NEMIES ROAD RUNCORN, QLD 4113

DRAWING TITLE: STORMWATER DRAINAGE LAYOUT PLAN

JOB No. 8231

DESIGNED: MKP | APPROVED: CALVIN KIRK | RPEQ No. 19536

DWG. No. C410

REVISION 2

Jan 23, 2020 – 8:19am D:\JOB DATA\8231 – Nemies Rd\4. CAD\3. C400\2 Production Drawings\C410 Stormwater Drainage Layout Plan.dwg