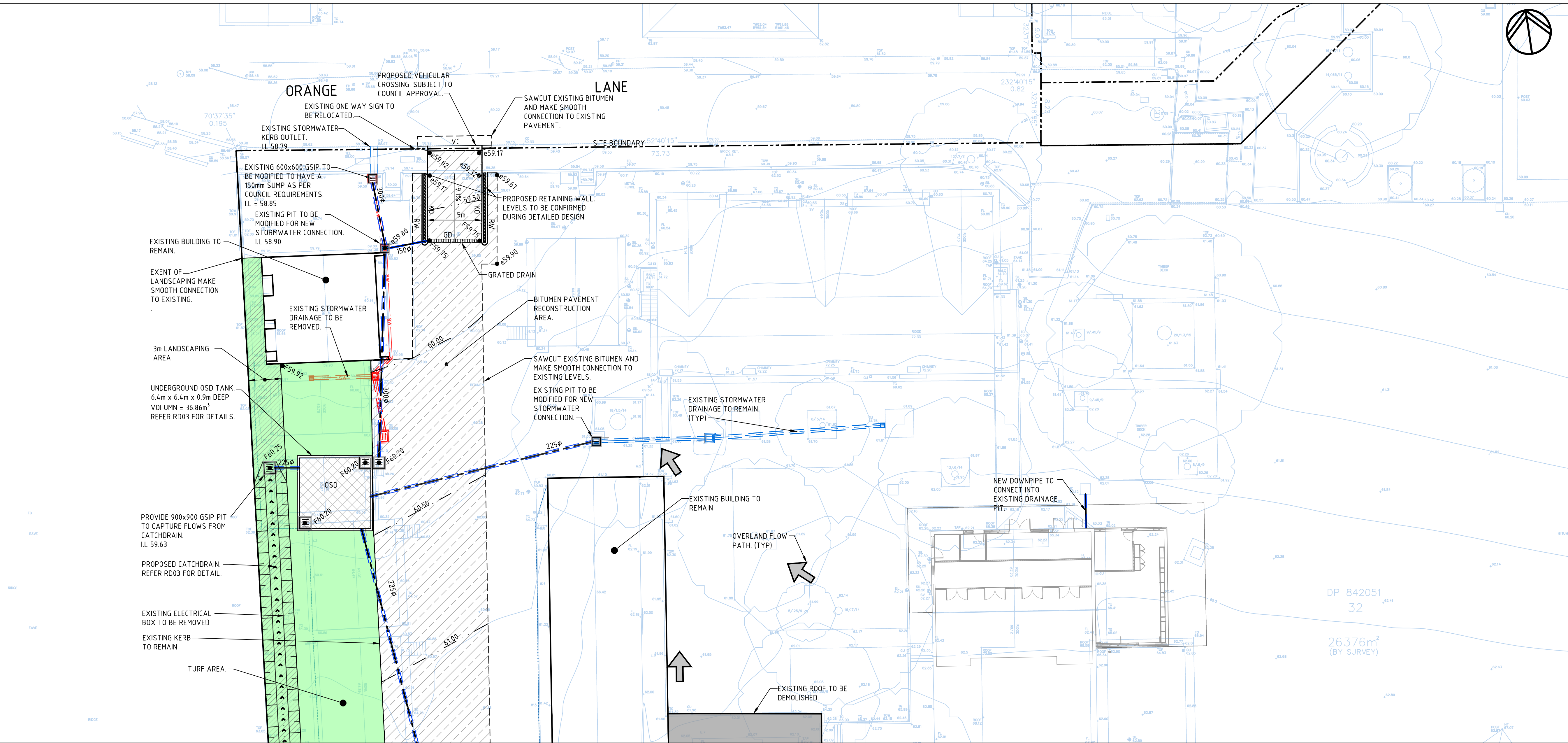




REFER 18016-CO-RD02 FOR CONTINUATION.

OSD CALCULATIONS/NOTES

NOTES

- OSD HAS BEEN DESIGNED AS PER DCP GUIDELINES DS1.23. I.E STORMWATER DISCHARGE FOR DEVELOPMENT NOT TO EXCEED 5 YEAR STORM EVENT.

CALCULATIONS

TOTAL SITE AREA DEVELOPMENT:

- 665m² = ROOF AREA HOME BASE
- 140m² = NEW CANTEN EXTENSION ROOF
- 69m² = NEW LIBRARY BUILDING
- 733m² = NEW PAVEMENT WORKS

TOTAL = 733m² (GROUND) + 874m² (ROOF)
= 1607m²

5 YEAR FLOW = 82L/s EXISTING SCENARIO
95% IMPERVIOUS
5% PERVIOUS

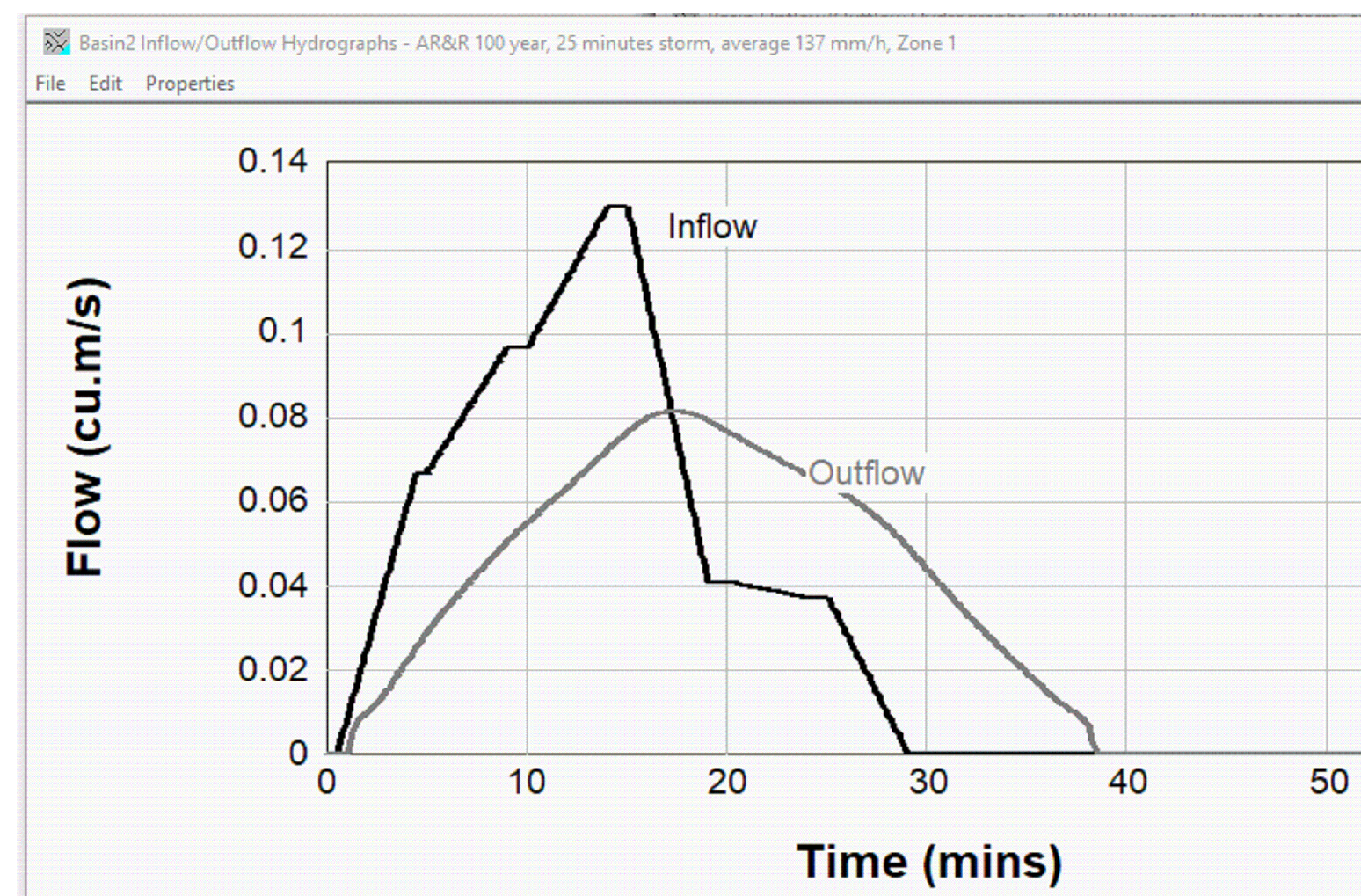
100 YEAR UNRESTRICTED FLOW = 138L/s DEVELOPED SCENARIO (PROPOSED)

OSD FLOW RESTRICTED = 82L/s

OSD VOLUME REQUIRED = 36.3m³ (DRAINS MODEL - ILSAX) REFER INFLOW & OUTFLOW HYROGRAPH

TANK SIZE = LxWxD
= 6.2x6.2x0.9m

OSD = 38.44m³



LEGEND

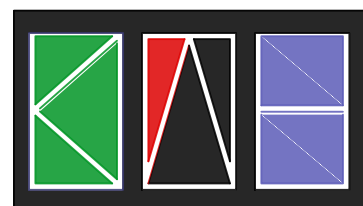
- SW — EXISTING DRAINAGE PIPE TO REMAIN
- SW — EXISTING DRAINAGE PIPE TO BE REMOVED
- CK — CASTELLATED KERB
- KO — KERB ONLY
- SAWCUT — SAWCUT
- DRAINAGE PIPE — DRAINAGE PIPE
- PROPOSED STORMWATER PIT — PROPOSED STORMWATER PIT
- RWT — RAINWATER TANK & OSD
- OVERLAND FLOW PATH — OVERLAND FLOW PATH
- 1:10 BATTER — 1:10 BATTER
- CATCHDRAIN — CATCHDRAIN

Bala Kularatnam

Bala Kularatnam
Principal Structural Engineer
BSc. Eng (Hons), MSc., MIEAust, CPEng NER 2107899

NOTE: THIS PROJECT IS DESIGN & CONSTRUCT. ALL INFORMATION & DESIGN IS FOR TENDER PRICING ONLY. THE MECHANICAL CONTRACTOR IS FULLY RESPONSIBLE FOR COMPLETE DESIGN & EQUIPMENT SELECTIONS FOR THIS PROJECT.

CONSULTANT



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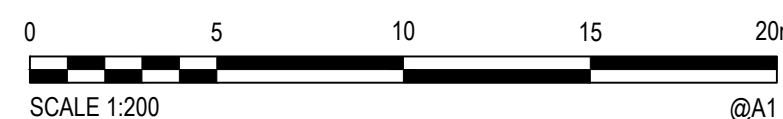


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ARCHITECT



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REVISION HISTORY

1	CONCEPT ISSUE	08/10/2018
2	RFT ISSUE	11/10/2018
3	ISSUED FOR DA	17/10/2018
4	REISSUED FOR DA BASED UPON REVISED ARCHITECTURALS	07/11/2018

PROJECT

HURSTVILLE PUBLIC SCHOOL
FOREST RD, HURSTVILLE NSW 2220

PROJECT PHASE

DEVELOPMENT APPLICATION

SHEET NO: 5

DRAWING TITLE

SITWORKS, STORMWATER DRAINAGE
& PAVEMENT PLAN - SHEET 1

SCALE:

1:200

PROJECT No:

P-HPS-M-18 107

DRAWN

JB

DATE

OCT'18

REVISION:

REV: 4

