

Our reference: 20-307

3 November 2021

Richard Crookes Constructions
Level 3, Broadcast Way
Artarmon NSW 2064

Attn: Amy Warton

Dear Amy,

**RE: HAWKESBURY CENTRE OF EXCELLENCE – DESIGN CHANGE SUMMARY
CIVIL ENGINEERING**

The below list includes the major changes to the civil engineering design, incorporated within the drawings listed in Schedule A, since the SSDA submission:

1. OSD Basin 2 increasing in size for a more balanced cut / fill
2. OSD Basin 3 increasing in size for rainwater harvesting purposes
3. Increasing the length of the car park / Block F culvert for Block F rear access
4. Converting the swale bridge, adjacent block G, into a culvert

The above changes still comply with the relevant standards and authority requirements, including:

5. The NSW Department of Education's Educational Facilities Standards and Guidelines (EFSG), excluding the departures listed in the EFSG departures schedule
6. Hawkesbury City Council Development Control Plan – Appendix E Civil Works Specification
7. Australian Rainfall and Runoff (ARR): A Guide to Flood Estimation, 2019, Commonwealth of Australia
8. Managing Urban Stormwater: Soils and Construction Vol 1, 4th Edition, dated March 2004
9. Australian standard AS3500.3-2018 Plumbing and Drainage, Part 3: Stormwater Drainage
10. Accepted engineering practice and principles

Yours faithfully,



Alexander Phillips
Woolacotts Consulting Engineers

Schedule A

List of civil engineering drawings

Number	Title	Amendment
H-CV-DW-0001	KEY PLAN AND DRAWING LIST	E
H-CV-DW-0101	CIVIL WORKS DETAIL – SHEET 1	D
H-CV-DW-0102	CIVIL WORKS DETAIL – SHEET 2	B
H-CV-DW-0103	CIVIL WORKS DETAIL – SHEET 3	B
H-CV-DW-0104	CIVIL WORKS DETAIL – SHEET 4	A
H-CV-DW-0201	CIVIL WORKS PLAN – SHEET 1	H
H-CV-DW-0202	CIVIL WORKS PLAN – SHEET 2	G
H-CV-DW-0203	CIVIL WORKS PLAN – SHEET 3	F
H-CV-DW-0204	CIVIL WORKS PLAN – SHEET 4	H
H-CV-DW-0205	CIVIL WORKS PLAN – SHEET 5	A
H-CV-DW-0206	CIVIL WORKS PLAN – SHEET 6	A
H-CV-DW-0207	CIVIL WORKS PLAN – SHEET 7	A
H-CV-DW-0208	CIVIL WORKS PLAN – SHEET 8	A
H-CV-DW-0209	CIVIL WORKS PLAN – SHEET 9	A
H-CV-DW-0210	CIVIL WORKS PLAN – SHEET 10	A
H-CV-DW-0211	CIVIL WORKS PLAN – SHEET 11	A
H-CV-DW-0212	CIVIL WORKS PLAN – SHEET 12	A
H-CV-DW-0213	CIVIL WORKS PLAN – SHEET 13	A
H-CV-DW-0214	CIVIL WORKS PLAN – SHEET 14	A
H-CV-DW-0215	CIVIL WORKS PLAN – SHEET 15	A
H-CV-DW-0216	CIVIL WORKS PLAN – SHEET 16	A
H-CV-DW-0217	CIVIL WORKS PLAN – SHEET 17	A
H-CV-DW-0218	CIVIL WORKS PLAN – SHEET 18	A
H-CV-DW-0219	CIVIL WORKS PLAN – SHEET 19	A
H-CV-DW-0220	CIVIL WORKS PLAN – SHEET 20	A
H-CV-DW-0221	CIVIL WORKS PLAN – SHEET 21	A
H-CV-DW-0222	CIVIL WORKS PLAN – SHEET 22	A
H-CV-DW-0223	CIVIL WORKS PLAN – SHEET 23	A
H-CV-DW-0224	CIVIL WORKS PLAN – SHEET 24	A
H-CV-DW-0225	CIVIL WORKS PLAN – SHEET 25	A

H-CV-DW-0226	CIVIL WORKS PLAN – SHEET 26	A
H-CV-DW-0301	EROSION AND SEDIMENT CONTROL PLAN	E
H-CV-DW-0401	EROSIONS AND SEDIMENT CONTROL DETAILS	C