

16 August 2021

NL191366.B14

Health Infrastructure NSW
Julian Cook
Level 6, 1 Reserve Road
Newcastle NSW 2300

Att: Health Infrastructure NSW

Re: John Hunter Health and Innovation Precinct – Civil Updates following SSDA Submission

At your request we have prepared the following list of items that have been updated since completion of the Civil Schematic Design documentation issued in April 2021. The predominant design changes are summarised below:

- The B4 carpark level to the proposed Acute Services Building (ASB) has been lowered by approximately 1m to improve carpark efficiency and clearances to building services. Spatially the civil design is unchanged by this modification, however bulk cut and fill volumes have been modified to reflect a reduction in fill and increase in cut for the carpark and associated driveway. – refer to drawing NL191366, sheet C200-DA for updated cut and fill quantities.
- Modification of the building footprint to make the basement levels rectangular in shape. This change decreases previously available cut material from the ASB footprint.
- The proposed north road horizontal and vertical alignments have been amended to reduce vegetation clearing. A summary of the specific changes to the civil documentation includes:
 - Modification of associated cut and fill volumes, refer to amended bulk earthworks plan NL191366, sheet C200-DA for details. We note that the earthworks methodology is generally unchanged with regard to embankments and cut/fill zones, the details have simply been amended to reflect the modified road alignment.
 - Minor reduction in road length due to a “straightening” of the alignment.
 - Minor adjustment of biofiltration/detention basin locations to better suit the alignment and topography. Note that the spatial requirements (area and volume) are unchanged from the initial SSDA package.
 - Minor realignment of north road intersection with Jacaranda Drive to improve driver sight lines.
- Lowering of the ASB driveway to match the revised north road and ASB levels which subsequently modified the associated bulk earthworks quantities – refer to NL191366, sheet C200-DA for details.

		Date
Prepared by	CS	16/08/2021
Checked by	TB	16/08/2021
Admin	BM	16/08/2021

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- Inclusion of a bridge along the western link road to reduce filling and retaining wall extents. The concept bridge cross section is noted on drawing C401-DA and can be summarised as:
 - Precast concrete plank deck with Asphalt overlay
 - Reinforced concrete substructure
 - Bridge extents to be 100m long x 14m wide.
 - 1.2m high bridge code compliant barriers to be provided both sides.
 - Scuppers to be provided for drainage in lieu of previously nominated in ground stormwater.
 - No façade provision, bridge will be concrete finished with the exception of barrier as appropriate.

Documentation reflecting the above changes and provided with this letter is listed below.

Job No.	Drawing No.	Drawing Name	Revision
NL191366	C001-DA	Cover Sheet, Locality Plan & Drawing Schedule	7
NL191366	C100-DA	Soil & Water Management Plan	6
NL191366	C101-DA	Soil & Water Management Details	6
NL191366	C102-DA	Soil & Water Management Notes	6
NL191366	C200-DA	Bulk Earthworks Plan	7
NL191366	C300-DA	Civil Works Arrangement Plan	8
NL191366	C400-DA	Road Setout Plan	8
NL191366	C401-DA	Road Typical Sections	7
NL191366	C501-DA	Road Longsections – Sheet 1	7
NL191366	C501-DA	Road Longsections – Sheet 2	7
NL191366	C501-DA	Road Longsections – Sheet 3	7

We trust this meets with your present requirements, however, should you have any further questions, please do not hesitate to contact the undersigned.

Yours sincerely,



Chris Smith

Principal | Senior Civil Engineer
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