

(EARLY WORKS)

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Compliance with the criteria of the Australian and New Zealand Guidelines for Fresh and Marine Water Quality (2000). If required subject to the environmental consultants advice, provide remedial measures to improve the quality of water the is to be discharged into Councils storm from a suitably specified system this should include elements from the a suitably specified environmental consultant confirming the suitability of these remedial measures to manage the water discharged from the site into Councils storm water storage system. During the proposed, ongoing monitoring, contingency plans and validation program that will be in place to continually monitor the quality of water discharged from this site, this should outline the frequency of water quality testing that will be undertaken by

SCALE 1: 20

ENCLOSURE SANDRAC'S GIBBERNIN

SANDBAG KERB INLET SEDIMENT TRAP

NTS
TO SEDIMENT TRAP

TEMPORARY CONSTRUCTION VEHICLE EXIT

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SITEWORKS LEGEND

- Stormwater direction with pit and flow direction
- Proposed Easement
- Level line alignment
- Level line offset
- Proposed pit
- Proposed pit (lines per second)
- Level line dimension
- Approximate pit cover level
- Trained contours

PIT SCHEDULE

Type	Description	Cover (Clear Opening)	Number
A	800 x 800 Class D galvanised mild steel pit	1,150x2,023	24,25
A	Surface inlet pit	1,150x2,023	14,15,16,19,28
A	Surface inlet pit	1,150x2,023	32,34
A	600 x 600 Class B galvanised mild steel grate blinged to frame	1,210x1,617.25	26,27,30,31
B	600 x 800 Class D cast iron cover with concrete fill	2,460x4,122	10
C	1200 x 1200 Class D cast iron cover with concrete fill		

PAVEMENT LEGEND

- Notes
- 1. Pavement shall conform to AS3559 and the specification
- 2. Pavement based on geotechnical report by

CONCRETE ROAD



PEDESTRIAN FOOTPATH



Note:
Pit cover levels shown are approximate and to be confirmed prior to construction.

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Project	ESTIA HEALTH DEVELOPMENT 144 Killeaton Street St Ives
Drawn	SP
Scale	1:250
Sheet No.	151553
Drawn By	C05
Revised By	B
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Rev	Description	Eng	Draft	Date
1	ISSUE FOR CONSTRUCTION	N	SP	04/03/20
2	REVISION	N	SP	08/03/20
3	REVISION	N	SP	08/03/20

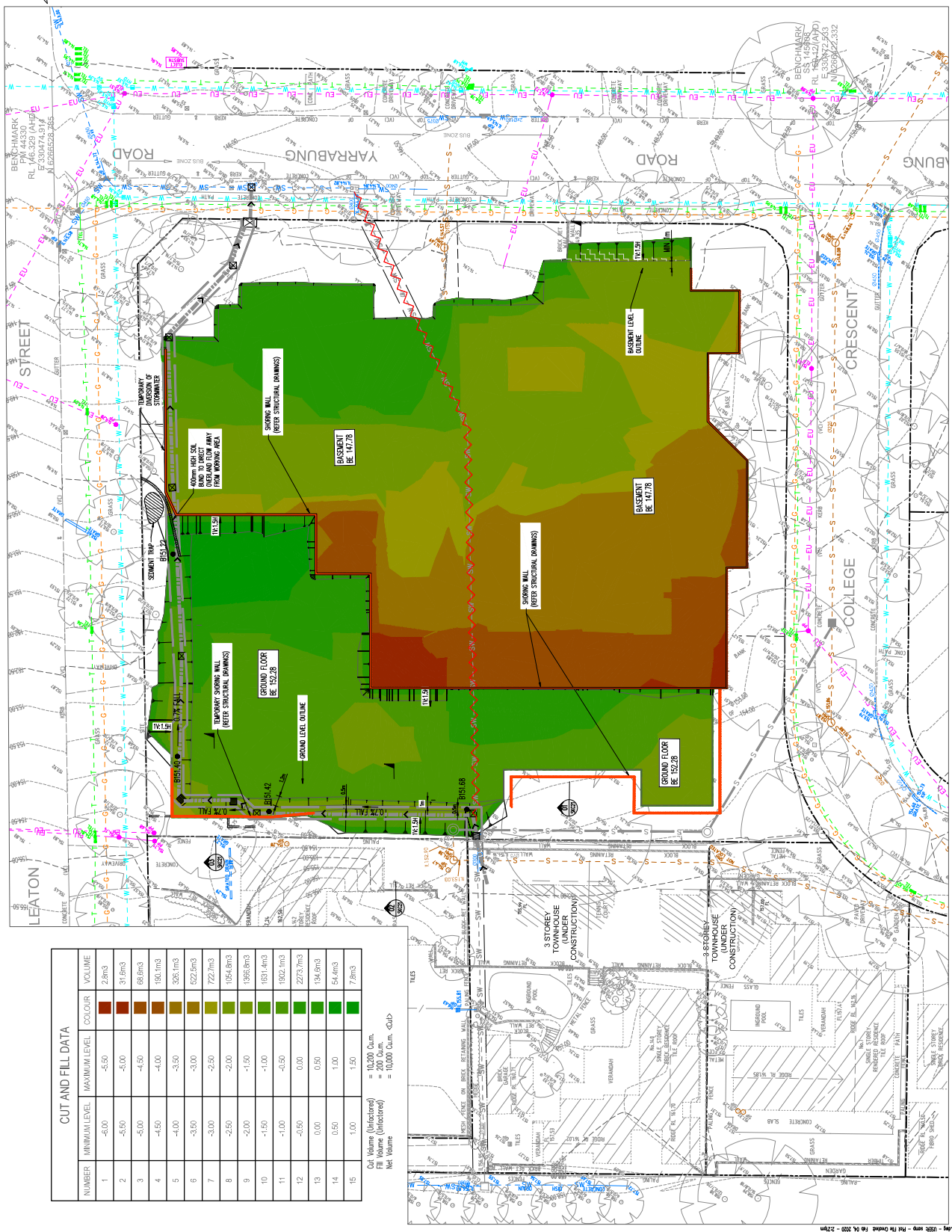
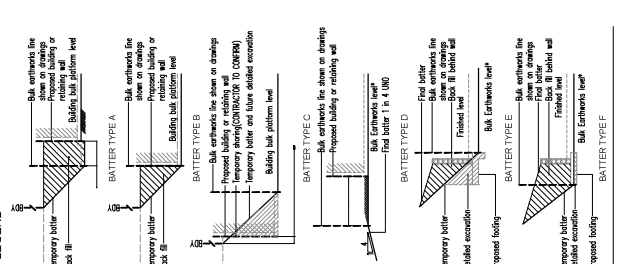


BE 150.00
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BULK EARTHWORKS NOTES

- All bulk earthworks shall be from pit lines (MGL).
 - All batter at a slope of 1:50 (1:10) MGL shall be provided.
 - The placement of bulk earthworks shall be in accordance with the specification and the Contractor must ensure that the bulk earthworks are constructed in accordance with the specification. Where necessary the Contractor must ensure that the bulk earthworks are constructed in accordance with the specification.
 - Compacted fill areas and adjacent to not less than:
- | Location | Standard dry density | Moisture |
|-------------------------------|----------------------|----------|
| Under building slab on ground | 95% | 12% |
| Under roads and carpark | 95% | 12% |
| Under roads and carpark | 95% | 12% |
- Before placing fill, poor soil exposed aggregate with a 10 tone (area with more than 5mm material under roller).
 - Soil spots to be replaced with select fill (MGL).
 - For interpretation of bulk earthworks not shown on the drawings, the Contractor shall refer to the bulk earthworks construction legend.
 - Bulk earthworks drawings are not to be used for detailed excavation.
 - For detailed excavation, the Contractor shall refer to the bulk earthworks construction legend.
- REF: BULK EARTHWORKS CONSTRUCTION LEGEND
REV: FEBRUARY 2016

BULK EARTHWORKS CONSTRUCTION LEGEND



CUT AND FILL DATA			
NUMBER	MINIMUM LEVEL	MAXIMUM LEVEL	VOLUME
1	-6.00	-5.50	2.8m³
2	-5.50	-5.00	31.9m³
3	-5.00	-4.50	68.6m³
4	-4.50	-4.00	180.1m³
5	-4.00	-3.50	326.1m³
6	-3.50	-3.00	522.5m³
7	-3.00	-2.50	722.7m³
8	-2.50	-2.00	1054.8m³
9	-2.00	-1.50	1385.8m³
10	-1.50	-1.00	1831.4m³
11	-1.00	-0.50	1902.1m³
12	-0.50	0.00	2273.7m³
13	0.00	0.50	184.9m³
14	0.50	1.00	54.4m³
15	1.00	1.50	7.8m³

Cut Volume (Unfaced) = 10,200 Cum.
Fill Volume (Unfaced) = 200 Cum.
Net Volume = 10,000 Cum. <0>

NOTE: 1. Bulk earthworks does not include detailed excavation for stormwater pipe being excavated and relocated prior to excavation.

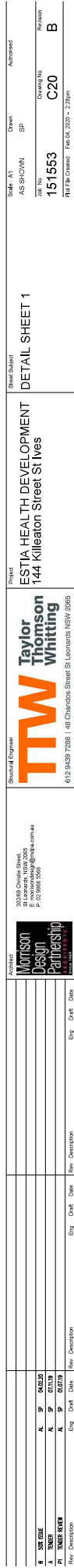
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Architect Morrison Design Partnership 30/308 Collins Street E: morrisondesign@compuserve.com.au P: 03 9439 7286		Structural Engineer Taylor Thomson Whitting 112/94397286 / 48 Clarence Street St Leonards NSW 2060		Project ESTIA HEALTH DEVELOPMENT 144 Killeaton Street St Ives		Bulk Earthworks Plan		Scale: A1 Drawn: SP 1:250 Check: SP 15/15/23 Revision: C10 B Rev. Description Eng. Draft Date Rev. Description Eng. Draft Date	
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SECTION 03
SCALE 1:50
SKC20

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