Certificate of controlled fill

Date: 30/01/2019
Site: 6 Aston Hills Stage 6, MOUNT BARKER, SA 5251
Lot 81 Spicer Street
Job No: 263560- S42791

Site preparation

Site preparation within the area certified as being controlled fill [the extent of which is defined by the area hatched in red on Greenhill General Construction and Stormwater Drainage Plan Drawing Number 16-1292-002 Rev 0], filling was placed and compacted under the supervision of FMG Research. The topsoil, vegetation, and any existing filling was removed. The surface was confirmed to be 'natural ground' then proof rolled to achieve a firm stable base prior to filling. Levels and area of filling placed have been taken and recorded.

Certification

The Filling (consisting of Sandy Clay won from the site) was placed, compacted and tested under the supervision of FMG Research in accordance with the requirements for Level 1 Supervision set out in AS3798 (2007) 'Guidelines on Earthworks for Commercial and Residential Developments'.

Field density tests have been carried out and have reached a minimum compacted density of 98% in accordance with AS1289 5.1.1 (Standard Compaction).

The filling placed and compacted within the area certified as being controlled fill [the extent of which is defined by the area hatched in red on Greenhill General Construction and Stormwater Drainage Plan Drawing Number 16-1292-002 Rev 0] is certified as controlled fill, meeting the requirements of AS2870 (2011) 'Residential Slabs and Footings' from the natural surface up to the levels recorded on the plans held at FMG Research as above. Any filling discovered outside the defined area or to a depth significantly greater than shown on the plan and any topsoil/ landscaping fill placed is not included in this certification.

Retaining wall note

Any adjacent retaining wall must not be loaded by proposed structures. Footings for structures must be founded such that if a 45 degree line is drawn from the base of the footing system or a supporting pier, it must not intersect with the rear face of any retaining wall.

Steve Clarke
MIEAust, CPEng, NER
FMG Engineering

Attached:
1. Greenhill General Construction and Stormwater Drainage Plan Drawing Number 16-1292-002 Rev 0

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LEGEND

PROPOSED

- STAGE BOUNDARY
- EASEMENT
- FINISHED SURFACE LEVEL
- EXISTING SURFACE LEVEL
- STORMWATER PIT NUMBER
- ROAD CENTRELINE AND CHAINAGE
- 100 HIGH MOUNTABLE KERB AND GUTTER
- 150 HIGH BARRIER KERB AND GUTTER
- 100 HIGH MOUNTABLE KERB AND TRAY
- 150 HIGH BARRIER KERB AND TRAY
- 600 WIDE SPOON DRAIN
- KERB TRANSITION OVER 1m
- 1.2m WIDE KERB RAMP
- EARTHWORK BATTER
- MAJOR CONTOUR
- MINOR CONTOUR
- EXPOSED AGGREGATE CONCRETE FOOTPATH
- INTERLOCKING BLOCK ROAD PAVEMENT
- EXTENT OF LOT FILL
- EXTENT OF LOT CUT
- STORMWATER DRAIN
- SIDE ENTRY PIT
- JUNCTION BOX
- GRATED INLET PIT
- HEADWALL
- GROSS POLLUTANT TRAP
- STORMWATER KERB INSERT
- HAZARD BOARD
- DRIVEWAY LOCATION
- RETAINING WALL FOR DETAILS REFER LAYCOMM DRAWINGS
- EARTH BUND

EXISTING

- SURFACE CONTOUR
- TREE
- STORMWATER DRAIN
- EXPOSED AGGREGATE CONCRETE FOOTPATH
- JUNCTION BOX
- SIDE ENTRY PIT
- ZERO LOT LINE

NOTES

1. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
2. THE CONTRACTOR SHALL CONFIRM ALL LEVELS AND DIMENSIONS ON SITE PRIOR TO COMMENCING CONSTRUCTION OR ORDERING MATERIALS
3. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE RELEVANT AUTHORITIES TO RELOCATE SERVICES AS NECESSARY TO RESOLVE CLASHES IN CONSULTATION WITH THE SUPERINTENDENT. ANY REPAIRS TO DAMAGED SERVICES WILL BE COMPLETED AT THE CONTRACTORS COST.
4. DO NOT STRIP TOPSOIL OR SURFACE MATERIALS EXCEPT FROM AREAS SPECIFICALLY REQUIRED TO BE WORKED IN CONSTRUCTING THE WORKS DEFINED BY THESE DRAWINGS OR THE CONTRACT. NO TOPSOIL SHALL BE REMOVED FROM SITE.
5. THE CONTRACTOR SHALL REINSTATE AND RE-VEGETATE ALL SURFACES THAT ARE STRIPPED INCLUDING THOSE FOR WHICH STRIPPING IS NOT SPECIFICALLY REQUIRED. REINSTATEMENT AND RE-VEGETATION SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION REQUIREMENT FOR UNPAVED AREAS.
6. THE EXISTING SURVEY SHOWN IS FOR INFORMATION ONLY. THE CONTRACTOR SHALL VISIT THE SITE AND IDENTIFY ANY CHANGES DUE TO DEMOLITION OR PREVIOUS STAGE WORKS.
7. MATCH NEW CONSTRUCTION NEATLY TO EXISTING ROADS.
8. ALL EXISTING SERVICE PIT COVERS SHALL BE ADJUSTED TO NEW SURFACE LEVELS WHERE REQUIRED (INCLUDING TELSTRA, WATER & SEWER ETC)
9. THE CONTRACTOR SHALL PROVIDE A TRAFFIC MANAGEMENT PLAN TO COUNCIL AND OBTAIN APPROVAL PRIOR TO COMMENCING WORKS.
10. ALL ALLOTMENT FILL SHALL BE UNDERTAKEN WITH LEVEL 1 SUPERVISION AND CERTIFICATION THAT IDENTIFIES ALL ALLOTMENTS ON WHICH THE FILL IS PLACED
11. SOIL EROSION DRAINAGE MANAGEMENT PLAN (SEDMP) SHALL BE APPROVED BY THE SUPERINTENDENT, THE EPA AND COUNCIL. REFER SPECIAL CONDITIONS OF CONTRACT FOR REQUIREMENTS OF THE SEDMP. THE MEASURES RECORDED IN THE SEDMP SHALL BE IN PLACE PRIOR TO EARTHWORKS COMMENCING ON SITE AND MONITORED AND REMAIN IN PLACE UNTIL THE SITE IS REVEGETATED.
12. MAJOR AND SIGNIFICANT EARTHWORKS SHALL NOT BE UNDERTAKEN WHEN SOILS AT THE WORK SITE ARE SATURATED OR HEAVY RAIN IS IMMINENT IN THE AREA.
13. CARE IS TO BE TAKEN FOR ANY WORK IN TPZ'S, TO MINIMIZE IMPACT.

EARTHWORK BUND DETAIL

SCALE 1:50

FOR CONSTRUCTION

REVISION	DATE	DESCRIPTION	DESIGN	DRAWN	APPROVED
0	09.10.18	ISSUED FOR CONSTRUCTION	LH	LH	AF
M	26.09.18	REMOVED DRIVEWAY AND ADD ZERO LOT LINE	LH	LH	
L	26.09.18	ALLOTMENTS, SERVICES AND BENCHING AMENDED	KDA	KDA	
K	20.09.18	PIT NAMES AMENDED	JJM	LH	
J	19.09.18	LOTS AND SERVICES AMENDED	KDA	KDA	
H	03.07.17	SWALE REVISED, GPT & RENO MATTRESSES ADDED	NBM	NBM	
G	09.02.18	STORMWATER AND SWALE ALIGNMENT REVISED	NBM	NBM	

REVISION HISTORY

100 MILLIMETRES ON ORIGINAL DRAWING

0 5 10 15 20 25
SCALE OF METRES
1:500 AT A1

DESIGN	NBM	DESIGN CHECK	BJC
DRAWN	NBM	DRAFTING CHECK	BJC
APPROVED	AF	DATE	09.10.2018

CAD FILE: 16-1292-002

A1

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LANSER COMMUNITIES
ASTON HILLS STAGE 6
MOUNT BARKER

GENERAL CONSTRUCTION AND STORMWATER DRAINAGE PLAN

DRAWING NUMBER 16-1292-002

REVISION 0