Moorebank Precinct West
Stage 2 Proposal
Response to Submissions

Appendix H: Stormwater and drainage design drawings

Part 4, Division 4.1, State Significant Development

June 2017
ROAD MC01
TYPICAL INTERNAL ROAD CROSS SECTION
SCALE 1 : 100

VERGE
3.5m
TRAVEL LANE
3.5m
TRAVEL LANE
3.5m
TRAVEL LANE
3.5m
VERGE
4.5m
CARRIAGEWAY
2.5%

300mm GAP UNDER THE NOISE WALL TO ALLOW FOR STORMWATER AND FLOODING

Date Plotted: 26 May 2017 - 02:24PM  File Name: F:\AA003760\E-CAD\C-Civil\D-Final\C-MIC\B-Stage2\B-SSD\C-MIC2-SSD-004-AA003760-nsd-TypicalRoadCrossSections.dwg

TYPICAL ROAD CROSS SECTIONS
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
J.WOOD
L.CORSCADDEN
K.MCAREAVEY
M.KEFFORD
ASSUMPTIONS AND NOTES

1. VOLUMES HAVE BEEN PREPARED BASED ON CONCEPT GRADING ASSUMPTIONS AND NOTES

2. THE CUT/FILL VOLUMES DO NOT INCLUDE THE ACTUAL PAVEMENT MATERIAL.

3. VOLUMES HAVE BEEN PREPARED BASED ON CONCEPT GRADING ASSUMPTIONS AND NOTES

IMT FACILITY:
- FILL TO BE IMPORTED 1,600,000m³

NORTHERN WAREHOUSE AREA:
- PAVEMENT AREA - 150mm
- PAVEMENT - 525mm
- ROAD PAVEMENT - 659mm

SOUTHERN EARTHWORKS AREA:
- STRIPPED EXISTING SURFACE CREATED BY STRIPPING OFF THE PAVEMENT AREA - 150mm
- STRIPPED EXISTING SURFACE THICKNESS HAVE BEEN ASSUMED AS:
  - MATERIALS REQUIRED. THE FOLLOWING PAVEMENT MATERIAL
  - SEWER, ELECTRICAL AND COMMUNICATIONS.

SUBJECT TO MPE STAGE 1 PROPOSAL

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NOTE
1. SURFACE SHOWN REPRESENT THE BULK EARTHWORKS SURFACE AND THE PROPOSED SURFACE (+/- 500mm).
NOTE

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### STORMWATER BASIN TYPICAL DETAIL

- **Emergency Weir Length**
  - Section 1: N.T.S. 200mm
  - Section 2: N.T.S. 1000mm

- **High Flow Weir Length**
- **Low Flow Weir Length**
- **Emergency Weir Height**: 500mm

### TYPICAL WALLED BASIN AND RAINGARDEN OUTLET PLAN

- **High Flow Orifice**
- **Low Flow Orifice**
- **TYPICAL BASIN EMBANKMENT SECTION AT WEIR**
  - Scale 1 : 50
- **TYPICAL BASIN EMBANKMENT PLAN AT WEIR**
  - Scale 1 : 100

### Outlet Structure Details

<table>
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<th>Basin</th>
<th>Storage Area (m²)</th>
<th>Invert Level (m AHD)</th>
<th>Top of Wall (m AHD)</th>
<th>% AEP Water Level (m AHD)</th>
<th>Low Flow Orifice (mm)</th>
<th>High Flow Orifice (mm)</th>
<th>Low Flow Weir Level (m AHD)</th>
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<th>High Flow Weir Level (m AHD)</th>
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<th>Emergency Weir Level (m AHD)</th>
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- **TYPICAL WEIR SECTION**
  - Scale 1 : 50

### RESOURCES

- **NOTES**
  1. On site detention outlet details based on DRAINS model: F:\AA003760\D-CALCULATIONS\CIVIL\A-STORMWATER\D-STAGE 2 MIC\A-DRAINS\C-MODELS\STAGE2PROPOSED.DRN

- **Basins designed for future all stages development**