

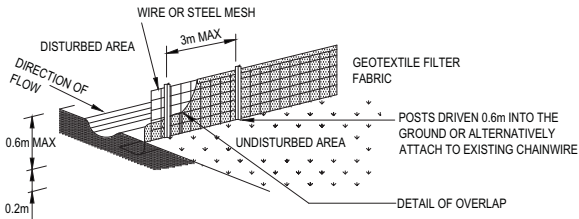
SEDIMENT AND EROSION NOTES

- B1. THIS PLAN TO BE READ IN CONJUNCTION WITH SEDIMENT AND EROSION CONTROL DETAILS AS SHOWN
- B2. THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY AND TO THE SATISFACTION OF COUNCIL PRIOR TO THE COMMENCEMENT OF AND DURING CONSTRUCTION. NO DISTURBANCE TO THE SITE SHALL BE PERMITTED OTHER THAN IN THE IMMEDIATE AREA OF THE WORKS AND NO MATERIAL SHALL BE REMOVED FROM THE SITE WITHOUT COUNCIL'S APPROVAL. ALL SEDIMENT AND EROSION CONTROL DEVICES TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH STANDARDS OUTLINED IN NSW DEPARTMENT OF HOUSING'S 'MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTIONS'.
- B3. TOPSOIL SHALL BE STRIPPED AND STOCKPILED OUTSIDE HAZARD AREAS SUCH AS DRAINAGE LINES. THIS TOPSOIL IS TO BE RESPREAD LATER ON AREAS TO BE REVEGETATED AND STABILISED ONLY, (I.E. ALL FOOTPATHS, BATTERS, SITE REGARDING AREAS, BASINS AND CATCHDRAINS). TOPSOIL SHALL NOT BE RESPREAD ON ANY OTHER AREAS UNLESS SPECIFICALLY INSTRUCTED BY THE SUPERINTENDENT. IF THEY ARE TO REMAIN FOR LONGER THAN ONE MONTH STOCKPILES SHALL BE PROTECTED FROM EROSION BY COVERING THEM WITH A MULCH AND HYDROSEEDING AND, IF NECESSARY, BY LOCATING BANKS OR DRAINS DOWNSTREAM OF A STOCKPILE TO RETARD SILT LADEN RUNOFF.
- B4. THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL SEDIMENT AND EROSION CONTROL DEVICES AND REMOVE ACCUMULATED SILT FROM SUCH DEVICES SUCH THAT MORE THAN 60% OF THEIR CAPACITY IS LOST. ALL THE SILT IS TO BE PLACED OUTSIDE THE LIMIT OF WORKS. THE PERIOD FOR MAINTAINING THESE DEVICES SHALL BE AT LEAST UNTIL ALL DISTURBED AREAS ARE REVEGETATED AND FURTHER AS MAY BE DIRECTED BY THE SUPERINTENDENT OR COUNCIL.
- B5. VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING CONSTRUCTION CONFINING ACCESS WHERE POSSIBLE TO NOMINATED STABILISED ACCESS POINTS.
- B6. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL BY REGULAR WETTING DOWN (BUT NOT SATURATING) DISTURBED AREA.
- B7. PROVIDE AND MAINTAIN SILT TRAPS AROUND ALL SURFACE INLET PITS UNTIL CATCHMENTS ARE REVEGETATED OR PAVED.
- B8. REVEGETATE ALL TRENCHES IMMEDIATELY UPON COMPLETION OF BACKFILLING.
- B9. ALL DRAINAGE PIPE INLETS TO BE CAPPED UNTIL :
A) DOWNPIPES CONNECTED
B) PITS CONSTRUCTED AND PROTECTED WITH SILT BARRIER
- B10. HAYBAILS & SILT FENCE MAINTENANCE INSPECTION TO BE CARRIED OUT EVERY 3 MONTHS.

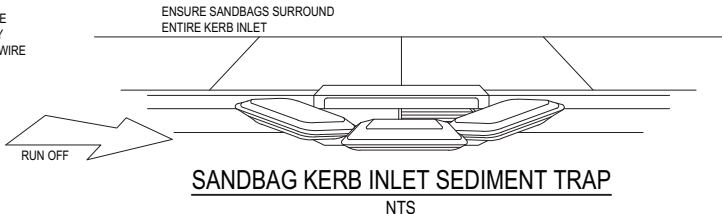
LEGEND

- STORMWATER SEDIMENT TRAPS AT ALL PROPOSED PIT INLETS
- TEMPORARY CONSTRUCTION VEHICLE EXIT
- SEDIMENT CONTROL FENCE
- STOCKPILE AREA
- SANDBAG KERB INLET SEDIMENT TRAP
- TEMPORARY SEDIMENT BASIN

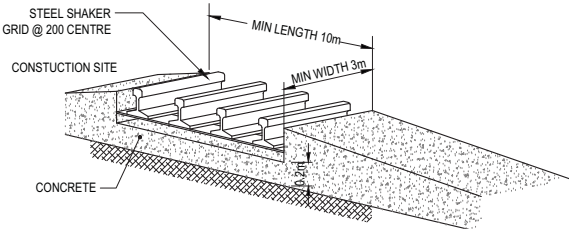
DRAINAGE AREA 0.6 ha. MAX. SLOPE GRADIENT 1:2 MAX.
SLOPE LENGTH 60 m MAX.



SEDIMENT CONTROL FENCE
N.T.S.



SANDBAG KERB INLET SEDIMENT TRAP
NTS



TEMPORARY CONSTRUCTION
VEHICLE EXIT
N.T.S.

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- LEGEND**
- PROPOSED STORMWATER PITS
 - PROPOSED STORMWATER PIPES

DRAINAGE DATA - SITE 1
TOTAL SITE AREA = 6.045m²
REQ. RAINWATER STORAGE = 6.5m³
PROVIDED = 40m³
PSD = 0.235m³/s (5YR ARI PEAK FLOW UNDER STATE OF NATURE CONDITION)
OSD TANK 1
MIN. TANK VOLUME = 180m³
ORIFICE = 2200
DESIGN = 0.211m³/s (100 PEAK FLOW)

0 1 2 3 4 5 10m 15 20m
SCALE 1:250

DRAWING STATUS

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

| REVISIONS: | | | |
|------------|----------------------|-------|----------|
| No. | REVISION DESCRIPTION | DRAWN | DATE |
| C | AMENDED OSD TANK 1 | N.T. | 13.04.12 |
| B | RELOCATED OSD TANK | N.T. | 02.04.12 |
| A | PRELIMINARY | N.T. | 12.03.12 |

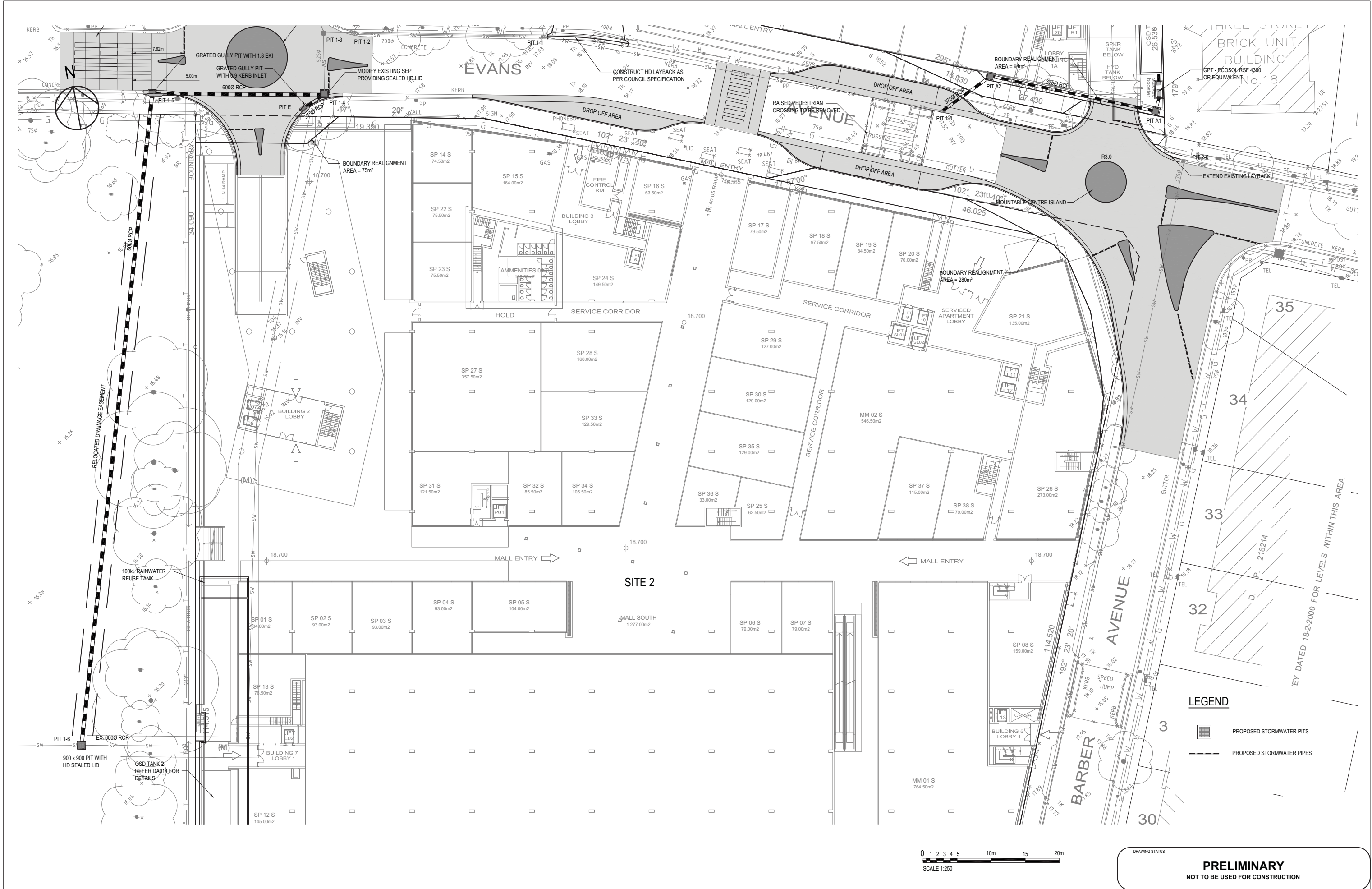
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www.vdmgroup.com.au

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CROWN INTERNATIONAL HOLDING GROUP
LVL 11, 68 ALFRED STREET
MILSONS POINT NSW 2061
ARCHITECT
RICE DAUBNEY
LVL 1, 110 WALKER STREET NORTH SYDNEY NSW 2060

PROJECT TITLE
EASTLAKES TOWN CENTRE
GARDENERS ROAD
EASTLAKES NSW 2018
DRAWING TITLE
DRAINAGE & ROAD MODIFICATION LAYOUT
SHEET 1

| | |
|-------------------------------|----------------------------------|
| PROJECT LEADER: RJB | SIGNATURE: |
| DESIGNER: NT | DATE: FEBRUARY 2012 |
| DRAFTSPERSON: NT | SHEET SIZE: A1 |
| SCALE: 1:250 | DRAWING No.: SY121-012 |
| JOB No.: SY121-012 | REVISION: C |



| REVISIONS: | | | |
|------------|---------------------------|-------|----------|
| No. | REVISION DESCRIPTION | DRAWN | DATE |
| C | AMENDED OSD TANK 1 & 2 | N.T. | 13.04.12 |
| B | AMENDED OSD TANK LOCATION | N.T. | 02.04.12 |
| A | PRELIMINARY | N.T. | 12.03.12 |

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PROJECT TITLE
EASTLAKES TOWN CENTRE
GARDENERS ROAD
EASTLAKES NSW 2018

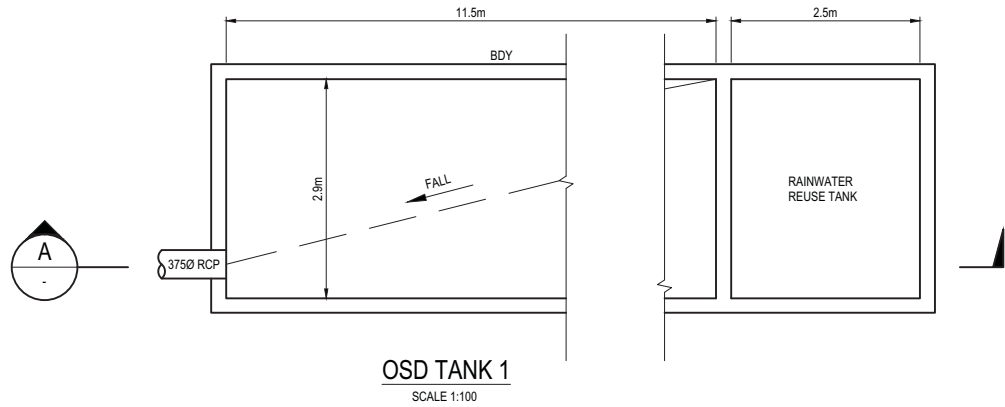
DRAWING TITLE
DRAINAGE & ROAD MODIFICATION LAYOUT
SHEET 2

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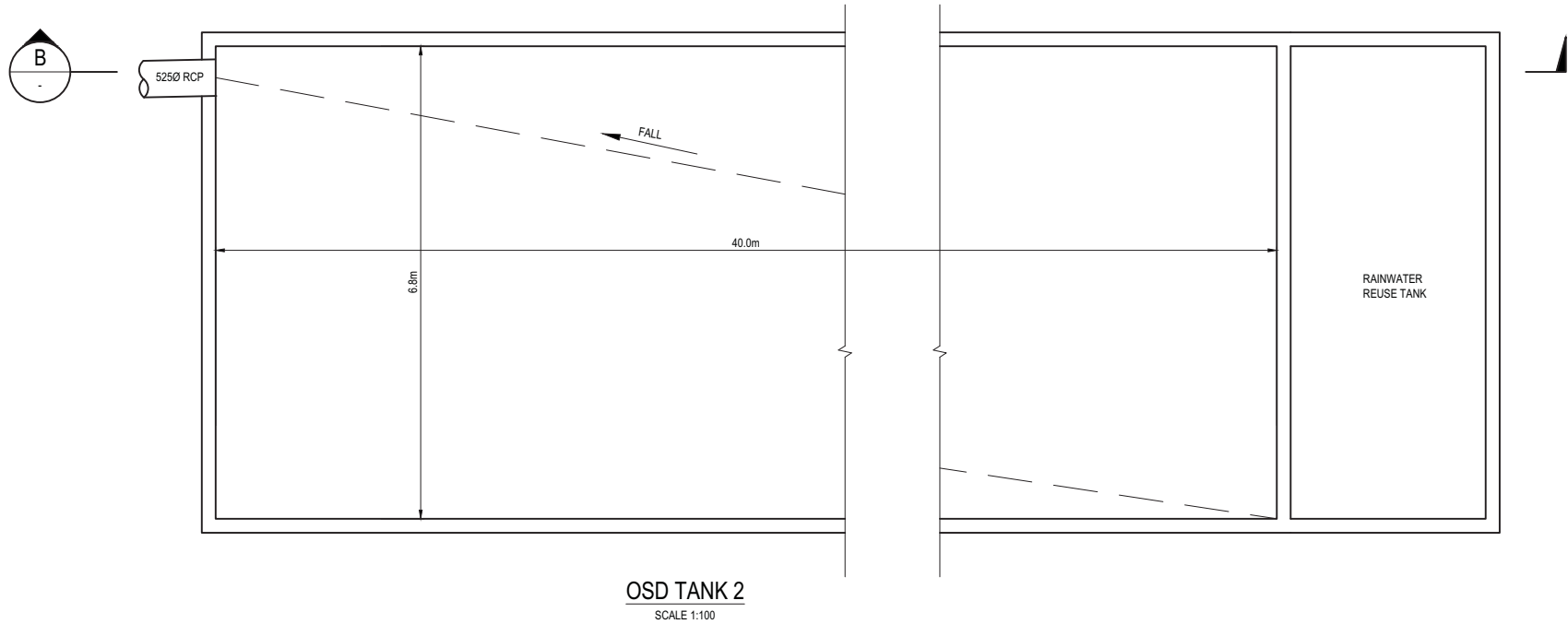
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RJB
DESIGNER:
NT
DRAFTSPERSON:
NT
SCALE:
1:250
JOB No.:
SY121-012

SIGNATURE:

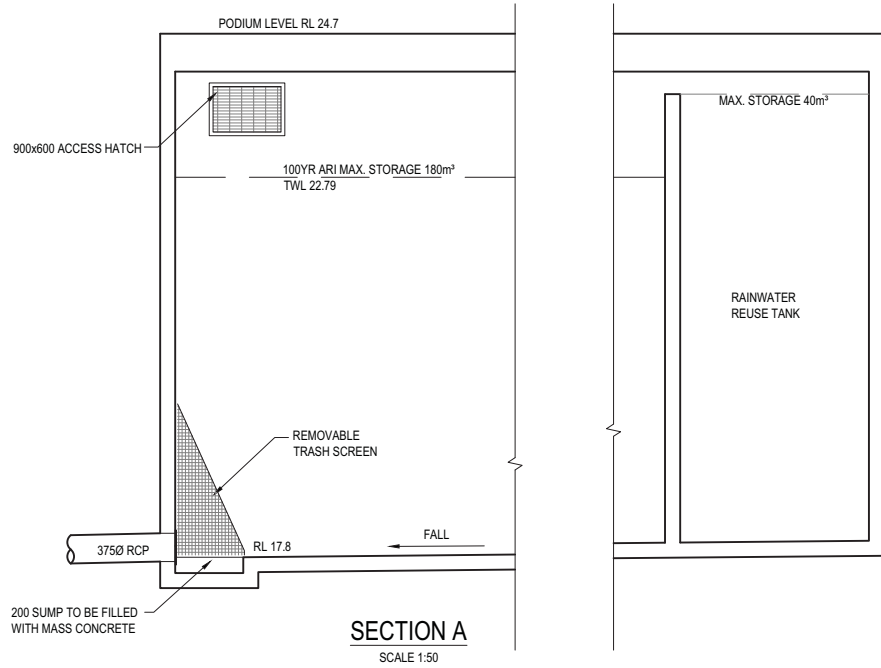
DATE:
FEBRUARY 2012
SHEET SIZE:
A1
DRAWING No.:
DA012
REVISION:
C



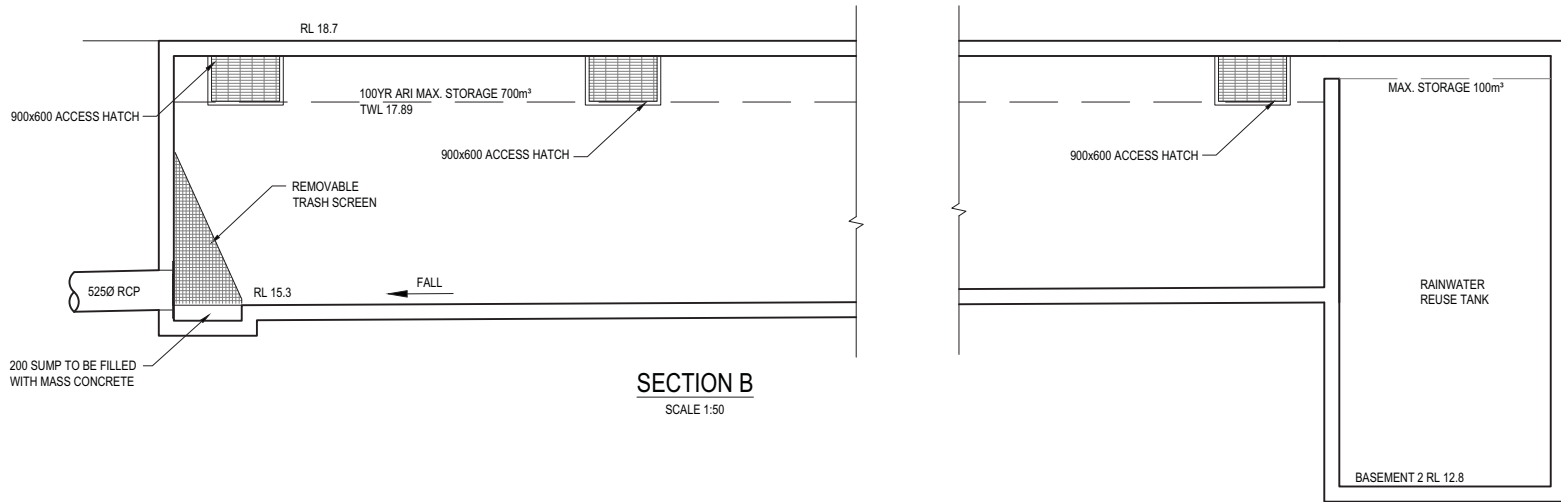
OSD TANK 1
SCALE 1:100



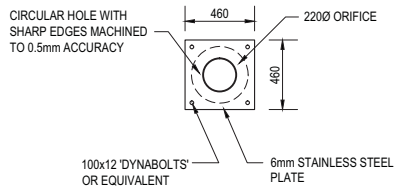
OSD TANK 2
SCALE 1:100



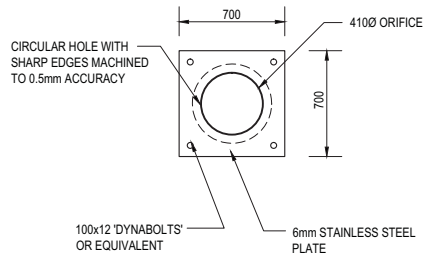
SECTION A
SCALE 1:50



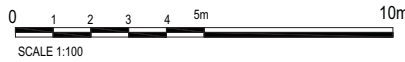
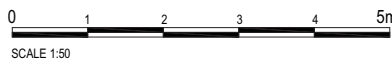
SECTION B
SCALE 1:50



ORIFICE PLATE DETAIL- TANK 1
SCALE 1:25



ORIFICE PLATE DETAIL- TANK 2
SCALE 1:25

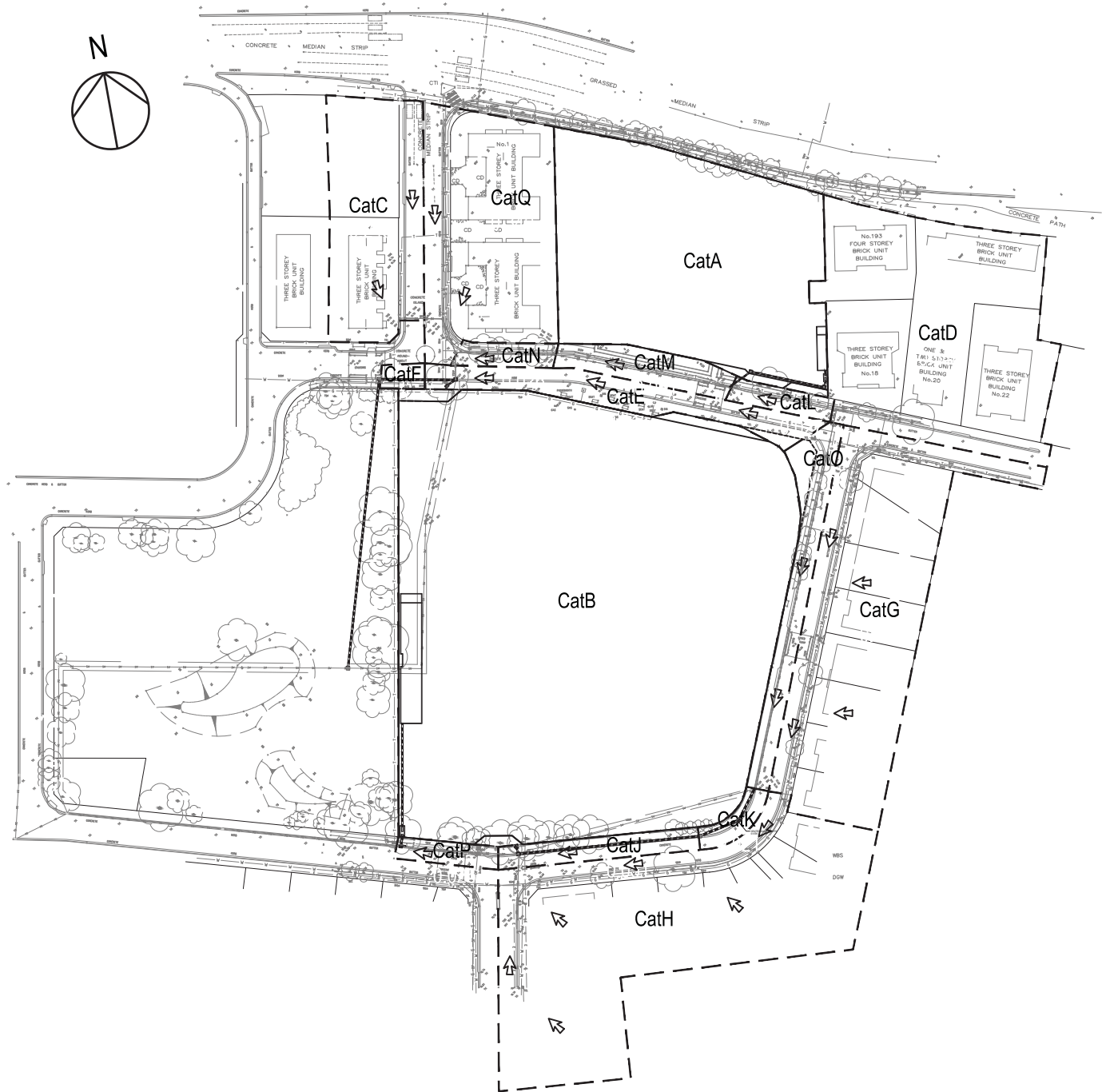


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| C | AMENDED OSD TANKS | | | N.T. | 13.04.12 | | | | | | | | | | | | | | |
| B | AMENDED OSD TANKS | | | N.T. | 02.04.12 | | | | | | | | | | | | | | |
| A | PRELIMINARY | | | N.T. | 12.03.12 | | | | | | | | | | | | | | |
| No. | REVISION DESCRIPTION | | | DRAWN | DATE | | | | | | | | | | | | | | |

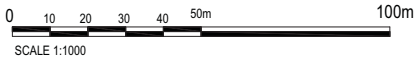
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|---|--|--|--|--|--|--|--|--|--|--|--|------------------------------|--|------------------------------|--|-----------------------|--|

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| DESIGNER: NT | | DATE: FEBRUARY 2012 | |
| DRAFTSPERSON: NT | | SHEET SIZE: A1 | |
| SCALE: AS SHOWN | | | |



| PIT / NODE DETAILS | | | | | SUB-CATCHMENT DETAILS | | | | | PIPE DETAILS | | | | | | | | | | |
|--------------------|---------|-----------------------|------------------|----------|-----------------------|-------------|------------|------------|------------|--------------|-----------|-----------|------------|------------|------------|-----------|-----------------------|----------|-----------|-------|
| Name | Type | Size | Pressure | Surface | Name | Pit or Node | Total Area | Paved Area | Grass Area | Name | From | To | Length (m) | U/S IL (m) | D/S IL (m) | Slope (%) | Type | Dia (mm) | I.D. (mm) | Rough |
| | | | Change Coeff. Ku | Elev (m) | | | | | | | | | | | | | | | | |
| Pit1-0.Ex | OnGrade | GP with 2.4 m EKI | 0.5 | 18.33 | CatA | Basin1 | 0.606 | 100 | 0 | Pipe1-0.Ex | Pit1-0.Ex | Pit1-1.Ex | 59.6032 | 17.52 | 17.03 | 0.82 | Concrete, under roads | 375 | 375 | 0.3 |
| Pit1-1.Ex | OnGrade | GP with 2.4 m EKI | 0.5 | 17.82 | CatB | Basin2 | 1.777 | 100 | 0 | Pipe1-1.Ex | Pit1-1.Ex | Pit1-2.Ex | 27.7714 | 17.03 | 16.36 | 2.41 | Concrete, under roads | 375 | 375 | 0.3 |
| Pit1-2.Ex | OnGrade | GP with 2.4 m EKI | 0.5 | 17.19 | CatC | NC | 0.248 | 50 | 50 | Pipe1-2.Ex | Pit1-2.Ex | Pit1-3.Ex | 4.59237 | 16.36 | 16.314 | 1 | Concrete, under roads | 450 | 450 | 0.3 |
| Pit1-3.Ex | OnGrade | 900 x 900 SEALED | 1 | 17.21 | CatD | ND | 0.548 | 80 | 20 | Pipe1-3.Ex | Pit1-3.Ex | Pit1-4.Ex | 8.95816 | 15.549 | 15.37 | 2 | Concrete, under roads | 525 | 525 | 0.3 |
| Pit1-4.Ex | OnGrade | 900 x 900 SEALED | 1.5 | 17.07 | CatE | PitE | 0.119 | 100 | 0 | Pipe1-4 | Pit1-4.Ex | Pit1-5 | 25.1433 | 15.37 | 15.169 | 0.8 | Concrete, under roads | 600 | 600 | 0.3 |
| Pit1-5 | OnGrade | GP with 2.4 m EKI | 0.7 | 16.63 | CatF | Pit1-5 | 0.012 | 100 | 0 | Pipe1-5 | Pit1-5 | Pit1-6 | 96.3685 | 15.169 | 14.398 | 0.8 | Concrete, under roads | 600 | 600 | 0.3 |
| Pit1-6 | OnGrade | 900 x 900 SIP | 0.7 | 16.1 | CatG | NG | 0.516 | 80 | 20 | Pipe1-6.Ex | Pit1-6 | Pit1-7.Ex | 95.027 | 14.398 | 13.638 | 0.8 | Concrete, under roads | 600 | 600 | 0.3 |
| Pit1-7.Ex | Node | | | 15.7 | CatH | NH | 0.651 | 80 | 20 | Pipe2-0.Ex | Pit2-0.Ex | Pit2-1.Ex | 128.456 | 17.51 | 16.43 | 0.84 | Concrete, under roads | 375 | 375 | 0.3 |
| Pit2-0.Ex | Sag | 2 x GP with 2.4 m EKI | 0.7 | 18.4 | CatJ | PitJ | 0.051 | 100 | 0 | Pipe2-1 | Pit2-1.Ex | Pit2-2 | 11.8039 | 16.164 | 16.046 | 1 | Concrete, under roads | 600 | 600 | 0.3 |
| Pit2-1.Ex | OnGrade | 900 x 900 V-GRATE | 0.7 | 17.35 | CatK | Pit2-1.Ex | 0.105 | 100 | 0 | Pipe2-2 | Pit2-2 | Pit2-3 | 14.1761 | 16.046 | 15.904 | 1 | Concrete, under roads | 600 | 600 | 0.3 |
| Pit2-2 | OnGrade | GP with 0.9 m EKI | 0.5 | 17.15 | CatL | Pit1-0.Ex | 0.027 | 100 | 0 | Pipe2-3 | Pit2-3 | Pit2-4.Ex | 60.3844 | 15.904 | 15.3 | 1 | Concrete, under roads | 675 | 675 | 0.3 |
| Pit2-3 | OnGrade | GP with 2.4 m EKI | 0.5 | 17.06 | CatM | Pit1-1.Ex | 0.061 | 100 | 0 | Pipe2-4.Ex | Pit2-4.Ex | Pit2-5.Ex | 26.1798 | 15.3 | 15 | 1.15 | Concrete, under roads | 750 | 750 | 0.3 |
| Pit2-4.Ex | OnGrade | 900 x 900 SEALED | 0.5 | 16.45 | CatN | Pit1-2.Ex | 0.026 | 100 | 0 | Pipe2-5.Ex | Pit2-5.Ex | Pit2-6 | 12.5 | 14.998 | 14.863 | 1.08 | Concrete, under roads | 825 | 825 | 0.3 |
| Pit2-5.Ex | OnGrade | GP with 2.4 m EKI | 0.5 | 16.43 | CatP | Pit2-5.Ex | 0.025 | 100 | 0 | Pipe2-6.Ex | Pit2-6 | Pit2-7.Ex | 16.9 | 14.863 | 14.68 | 1.08 | Concrete, under roads | 825 | 825 | 0.3 |
| Pit2-6 | OnGrade | GP with 2.4 m EKI | 0.2 | 16.18 | CatQ | NQ | 0.34 | 80 | 20 | Pipe2-7.Ex | Pit2-7.Ex | Pit2-8.Ex | 46.5 | 14.68 | 14.215 | 1 | Concrete, under roads | 825 | 825 | 0.3 |
| Pit2-7.Ex | OnGrade | GP with 2.4 m EKI | 0.5 | 15.98 | | | | | | PipeA1 | PitA1 | PitA2 | 8.5 | 17.605 | 17.563 | 0.49 | Concrete, under roads | 375 | 375 | 0.3 |
| Pit2-8.Ex | Node | | | 15.59 | | | | | | PipeA2 | PitA2 | Pit1-0.Ex | 8.5 | 17.563 | 17.52 | 0.51 | Concrete, under roads | 375 | 375 | 0.3 |
| PitA1 | OnGrade | 900 x 900 SEALED | 0.5 | 18.5 | | | | | | PipeBAS2 | Basin2 | Pit2-6 | 40 | 15.279 | 14.879 | 1 | Concrete, under roads | 525 | 525 | 0.3 |
| PitA2 | OnGrade | 900 x 900 SEALED | 0.2 | 18.5 | | | | | | PipeBasin2 | Basin1 | PitA1 | 5.5 | 17.632 | 17.605 | 0.49 | Concrete, under roads | 375 | 375 | 0.3 |
| PitC1.Ex | OnGrade | GP with 2.4 m EKI | 1 | 16.65 | | | | | | PipeC | NC | PitC1.Ex | 20 | 15.95 | 15.75 | 1 | Concrete, under roads | 450 | 450 | 0.3 |
| PitC2.Ex | OnGrade | GP with 2.4 m EKI | 1 | 16.66 | | | | | | PipeC1.Ex | PitC1.Ex | PitC2.Ex | 12.3 | 15.75 | 15.666 | 0.68 | Concrete, under roads | 375 | 375 | 0.3 |
| PitE | Sag | GP with 0.9 m EKI | 1.5 | 17.05 | | | | | | PipeC2.Ex | PitC2.Ex | Pit1-3.Ex | 11.7 | 15.666 | 15.549 | 1 | Concrete, under roads | 450 | 450 | 0.3 |
| PitJ | Sag | GP with 0.9 m EKI | 1.5 | 16.42 | | | | | | PipeD | ND | Pit2-0.Ex | 38.3 | 17.92 | 17.51 | 1.07 | Concrete, under roads | 375 | 375 | 0.3 |
| NC | Node | | | 18 | | | | | | PipeE | PitE | Pit1-4.Ex | 3.65334 | 16 | 15.963 | 1.01 | Concrete, under roads | 375 | 375 | 0.3 |
| ND | Node | | | 20 | | | | | | PipeG | NG | Pit2-1.Ex | 29.4 | 16.804 | 16.51 | 1 | Concrete, under roads | 375 | 375 | 0.3 |
| NG | Node | | | 17.5 | | | | | | PipeH | NH | Pit2-4.Ex | 29.4 | 15.788 | 15.494 | 1 | Concrete, under roads | 525 | 525 | 0.3 |
| NH | Node | | | 17 | | | | | | PipeJ | PitJ | Pit2-4.Ex | 2.28604 | 15.523 | 15.5 | 1.01 | Concrete, under roads | 375 | 375 | 0.3 |
| NQ | Node | | | 18 | | | | | | PipeQ | NQ | PitC2.Ex | 20 | 15.749 | 15.549 | 1 | Concrete, under roads | 450 | 450 | 0.3 |

| PIT / NODE DETAILS | | | | | SUB-CATCHMENT DETAILS | | | | | | PIPE DETAILS | | | | |
|--------------------|---------|---------------|-----------|----------|-----------------------|----------|----------|----------|-------|---------|--------------|----------|-------|---------|---------|
| Name | Max HGL | Max Surface | Min | Overflow | Name | Max | Paved | Grassed | Paved | Grassed | Name | Max Q | Max V | Max U/S | Max D/S |
| | | Flow Arriving | Freeboard | (cu.m/s) | | Flow Q | Max Q | Max Q | Tc | Tc | | (cu.m/s) | (m/s) | HGL (m) | HGL (m) |
| | | (cu.m/s) | (m) | | | (cu.m/s) | (cu.m/s) | (cu.m/s) | (min) | (min) | | | | | |
| Pit1-0.Ex | 18.33 | 0.114 | 0 | 0.075 | CatA | 0.405 | 0.405 | 0 | 7 | 7 | Pipe1-0.Ex | 0.233 | 2.1 | 18.23 | 17.624 |
| Pit1-1.Ex | 17.62 | 0.103 | 0.2 | 0.022 | CatB | 1.12 | 1.12 | 0 | 10 | 7 | Pipe1-1.Ex | 0.3 | 2.7 | 17.441 | 16.91 |
| Pit1-2.Ex | 16.91 | 0.036 | 0.28 | 0.002 | CatC | 0.135 | 0.078 | 0.058 | 10 | 14 | Pipe1-2.Ex | 0.332 | 2.5 | 16.714 | 16.668 |
| Pit1-3.Ex | 16.61 | 0 | 0.6 | | CatD | 0.327 | 0.276 | 0.051 | 10 | 14 | Pipe1-3.Ex | 0.471 | 2.2 | 16.372 | 16.302 |
| Pit1-4.Ex | 16.3 | 0.002 | 0.77 | 0.002 | CatE | 0.08 | 0.08 | 0 | 7 | 7 | Pipe1-4 | 0.538 | 1.9 | 16.025 | 15.893 |
| Pit1-5 | 15.89 | 0.009 | 0.74 | 0 | CatF | 0.008 | 0.008 | 0 | 7 | 7 | Pipe1-5 | 0.546 | 2.2 | 15.651 | 15.122 |
| Pit1-6 | 15.12 | 0 | 0.98 | 0 | CatG | 0.308 | 0.26 | 0.048 | 10 | 14 | Pipe1-6.Ex | 0.546 | 2.6 | 14.816 | 14.056 |
| Pit1-7.Ex | 14.06 | 0.191 | | | CatH | 0.388 | 0.328 | 0.061 | 10 | 14 | Pipe2-0.Ex | 0.238 | 2.2 | 18.354 | 16.97 |
| Pit2-0.Ex | 18.5 | 0 | -0.1 | 0.099 | CatJ | 0.037 | 0.037 | 0 | 5 | 7 | Pipe2-1 | 0.593 | 2.1 | 16.819 | 16.747 |
| Pit2-1.Ex | 16.97 | 0.076 | 0.38 | 0.013 | CatK | 0.076 | 0.076 | 0 | 5 | 7 | Pipe2-2 | 0.605 | 2.2 | 16.598 | 16.496 |
| Pit2-2 | 16.75 | 0.013 | 0.4 | 0 | CatL | 0.019 | 0.019 | 0 | 5 | 7 | Pipe2-3 | 0.605 | 2.5 | 16.34 | 16.159 |
| Pit2-3 | 16.5 | 0 | 0.56 | 0 | CatM | 0.044 | 0.044 | 0 | 5 | 7 | Pipe2-4.Ex | 1.025 | 2.4 | 15.983 | 15.905 |
| Pit2-4.Ex | 16.16 | 0 | 0.29 | 0 | CatN | 0.019 | 0.019 | 0 | 5 | 7 | Pipe2-5.Ex | 1.042 | 2 | 15.794 | 15.767 |
| Pit2-5.Ex | 15.86 | 0.018 | 0.57 | 0 | CatP | 0.018 | 0.018 | 0 | 5 | 7 | Pipe2-6.Ex | 1.379 | 2.6 | 15.713 | 15.647 |
| Pit2-6 | 15.77 | 0 | 0.41 | 0 | CatQ | 0.203 | 0.171 | 0.032 | 10 | 14 | Pipe2-7.Ex | 1.379 | 3.5 | 15.343 | 14.78 |
| Pit2-7.Ex | 15.65 | 0 | 0.33 | 0 | | | | | | | PipeA1 | 0.211 | 1.9 | 18.525 | 18.446 |
| Pit2-8.Ex | 14.78 | 0 | | | | | | | | | PipeA2 | 0.211 | 1.9 | 18.409 | 18.33 |
| PitA1 | 18.62 | 0 | -0.12 | 0 | | | | | | | PipeBAS2 | 0.507 | 2.3 | 16.096 | 15.767 |
| PitA2 | 18.45 | 0 | 0.05 | | | | | | | | PipeBasin2 | 0.211 | 1.9 | 18.668 | 18.616 |
| PitC1.Ex | 16.65 | 0.025 | 0 | 0.191 | | | | | | | PipeC | 0.135 | 0.8 | 16.682 | 16.65 |
| PitC2.Ex | 16.66 | 0 | 0 | 0.025 | | | | | | | PipeC1.Ex | 0.093 | 0.8 | 16.651 | 16.66 |
| PitE | 16.35 | 0.08 | 0.7 | 0 | | | | | | | PipeC2.Ex | 0.235 | 1.5 | 16.624 | 16.607 |
| PitJ | 16.16 | 0.037 | 0.26 | 0 | | | | | | | PipeD | 0.327 | 3 | 19.365 | 18.5 |
| NC | 16.68 | 0.135 | | | | | | | | | PipeE | 0.079 | 0.8 | 16.302 | 16.302 |
| ND | 19.37 | 0.327 | | | | | | | | | PipeG | 0.308 | 2.8 | 17.522 | 16.97 |
| NG | 17.52 | 0.308 | | | | | | | | | PipeH | 0.388 | 2.4 | 16.159 | 16.159 |
| NH | 16.16 | 0.388 | | | | | | | | | PipeJ | 0.036 | 0.3 | 16.159 | 16.159 |
| NQ | 16.73 | 0.203 | | | | | | | | | PipeQ | 0.203 | 1.3 | 16.728 | 16.66 |



DRAWING STATUS

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| B | AMENDED DATA TABLES | N.T. | 13.04.12 |
| A | PRELIMINARY | N.T. | 02.04.12 |
| No. | REVISION DESCRIPTION | DRAWN | DATE |

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PROJECT TITLE
EASTLAKES TOWN CENTRE
GARDENERS ROAD
EASTLAKES NSW 2018

DRAWING TITLE
CATCHMENT PLAN, DRAINAGE DATA & RESULTS

PROJECT LEADER:
RJB

DESIGNER:
NT

DRAFTSPERSON:
NT

SCALE:
1:1000

JOB NO.:
SY121-012

SIGNATURE:

DATE:
FEBRUARY 2012

SHEET SIZE:
A1

DRAWING NO.:
DA015

REVISION:
B