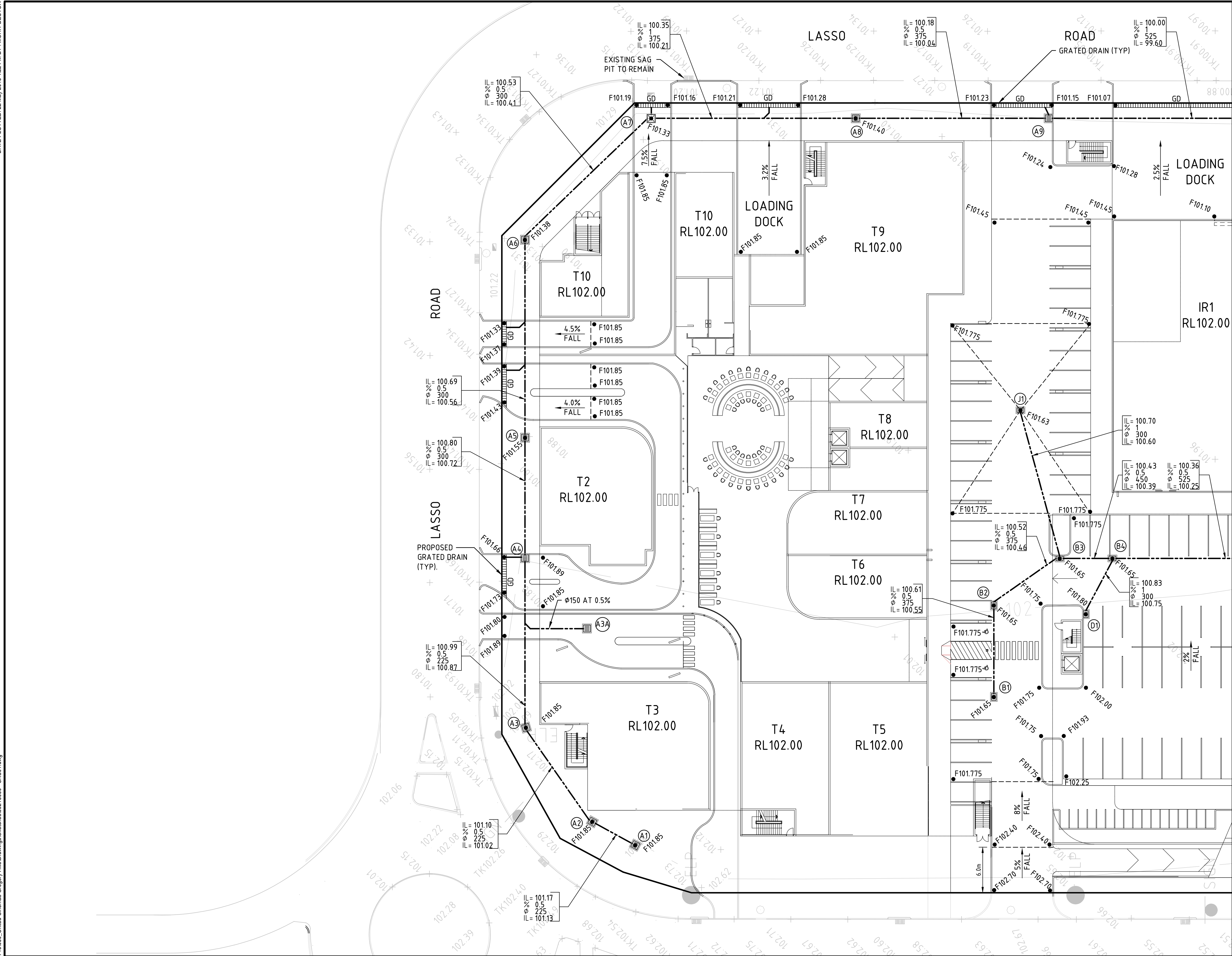




REFER SKC02 FOR CONTINUATION

| Rev. | Date     | Description                       | Des. | Verif. | Appd. |
|------|----------|-----------------------------------|------|--------|-------|
| 03   | 22.05.18 | RE-ISSUED FOR DA                  |      | PL     |       |
| 02   | 07.12.17 | EXTENT OF WORKS AMENDED, DA ISSUE |      | PL     |       |
| 01   | 16.10.17 | FOR INFORMATION                   |      | PL     |       |



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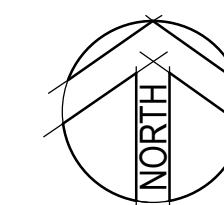
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|          |     |      |        |
|----------|-----|------|--------|
| Drawn    | MDH | Date | OCT'17 |
| Checked  | PL  | Date | OCT'17 |
| Designed | PL  | Date | OCT'17 |
| Verified |     | Date |        |
| Approved |     | Date |        |

|         |                                          |  |  |
|---------|------------------------------------------|--|--|
| Client  | PLANET WARRIEWOOD LTD                    |  |  |
| Project | UNITED CINEMAS GREGORY HILLS             |  |  |
| Title   | CONCEPT STORMWATER LAYOUT PLAN - SHEET 1 |  |  |

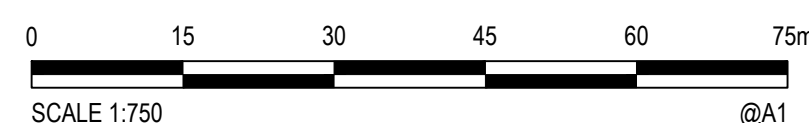
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| NOT TO BE USED FOR CONSTRUCTION PURPOSES |  |        |       |              |          |
| DATUM                                    |  | DATE   | Scale | Size         |          |
| AHD                                      |  | OCT'17 | 1:250 |              | A1       |
| Drawing Number                           |  |        |       |              | Revision |
| 80218030 - SKC01                         |  |        |       |              | 03       |





| STORMWATER DRAINAGE SUMMARY                                                           |                |                                                                                                                                                                             |
|---------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CATCHMENT No                                                                          | CATCHMENT AREA | DESCRIPTION                                                                                                                                                                 |
|  | 0.50ha         | CATCHMENT A: ROOF CATCHMENTS BYPASS THE PROPOSED GPT. RUNOFF WILL DRAIN TO THE PROPOSED O.S.D TANK FOR DETENTION, WITH FILTER CARTRIDGES FOR STORMWATER TREATMENT.          |
|  | 0.59ha         | CATCHMENT B: ROOF CATCHMENTS DRAIN TO THE PROPOSED GPT AND O.S.D TANK FOR DETENTION, WITH FILTER CARTRIDGES FOR STORMWATER TREATMENT.                                       |
|  | 1.55ha         | CATCHMENT C: CARPARK CATCHMENTS DRAIN TO THE PROPOSED GPT AND O.S.D TANK FOR DETENTION, WITH FILTER CARTRIDGES FOR STORMWATER TREATMENT.                                    |
|  | 0.15ha         | CATCHMENT D: LANDSCAPING AREA BYPASSES THE PROPOSED STORMWATER TREATMENT TRAIN AND O.S.D TANK. STORMWATER RUNOFF DRAINS TO EXISTING LASSO ROAD STORMWATER DRAINAGE NETWORK. |

| 03   | 22.05.18 | RE-ISSUED FOR DA                  |  | PL   |              |
|------|----------|-----------------------------------|--|------|--------------|
| 02   | 07.12.17 | EXTENT OF WORKS AMENDED. DA ISSUE |  | PL   |              |
| 01   | 16.10.17 | FOR INFORMATION                   |  | PL   |              |
| Rev. | Date     | Description                       |  | Des. | Verif. Appd. |

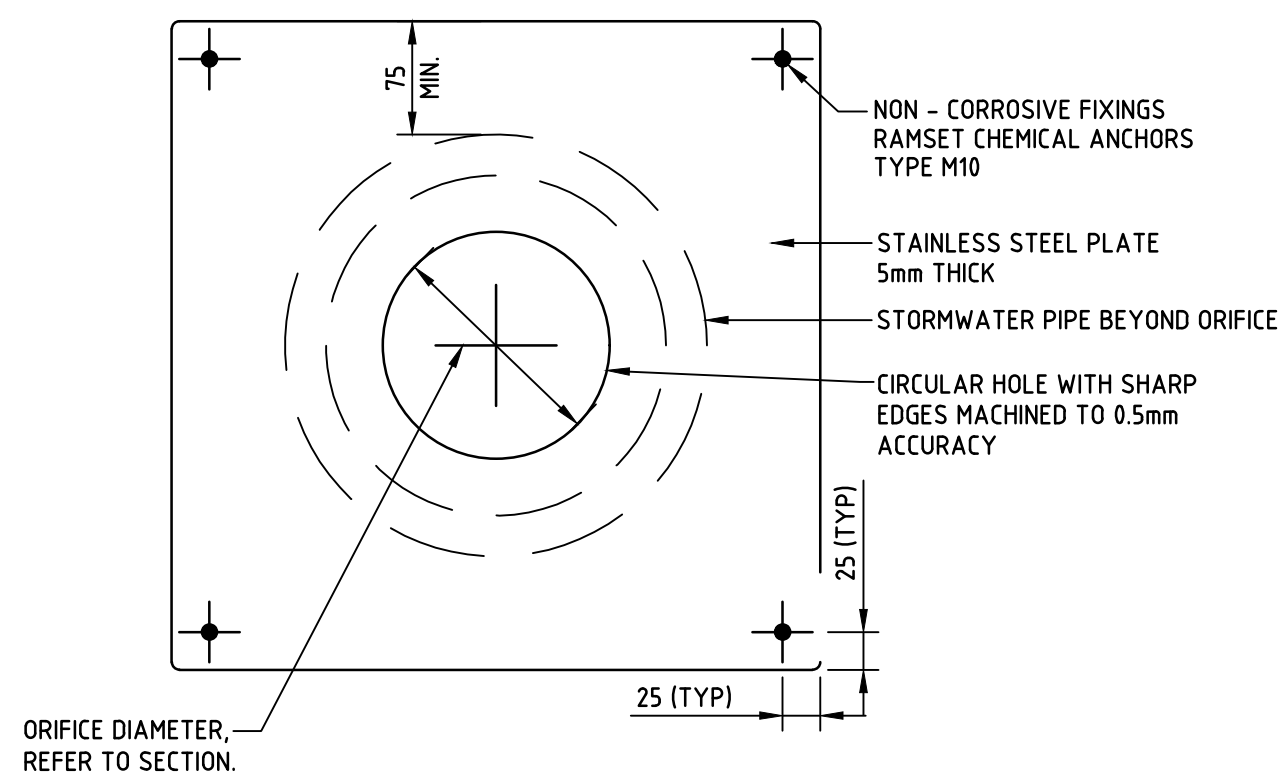
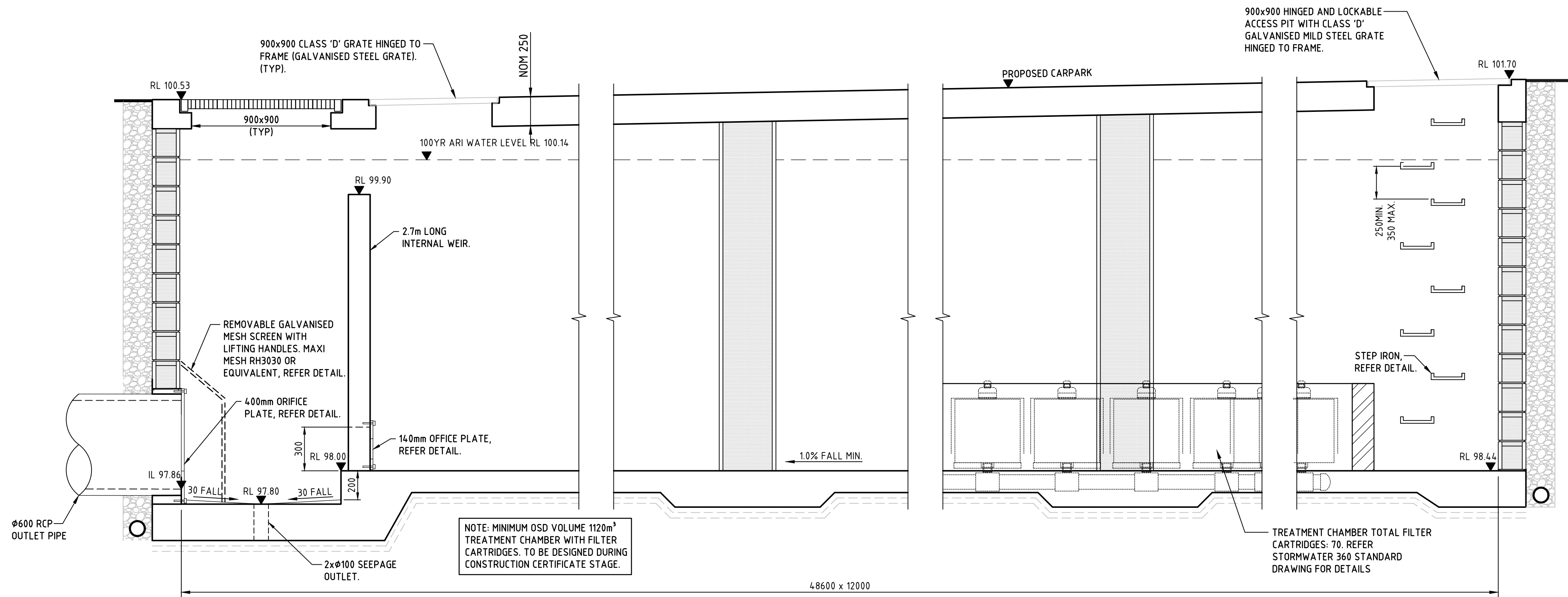


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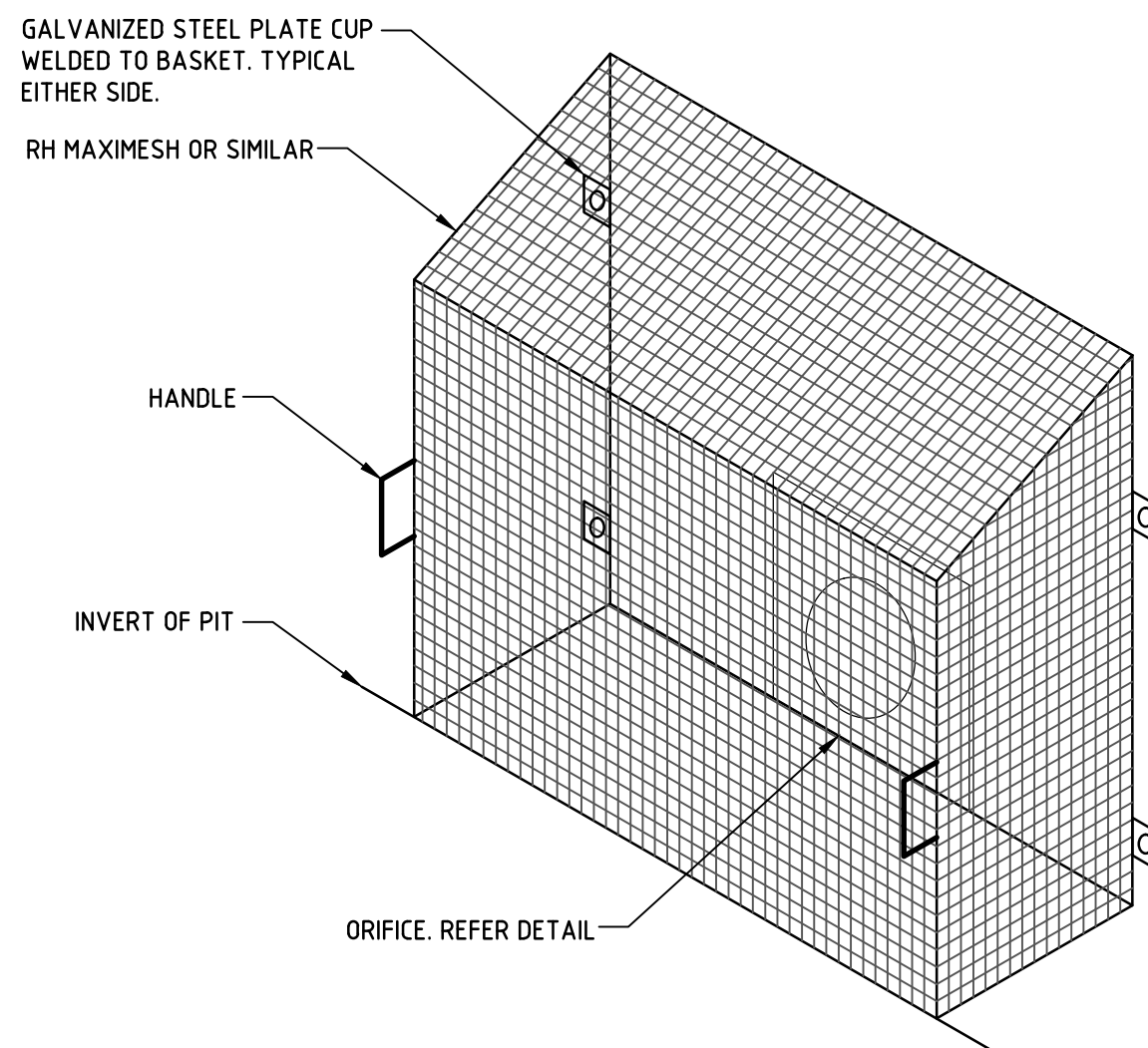


|                |                |                                            |
|----------------|----------------|--------------------------------------------|
| Drawn<br>MDH   | Date<br>OCT'17 | Client<br>PLANET WARRIEWOOD LTD            |
| Checked<br>PL  | Date<br>OCT'17 | Project<br>UNITED CINEMAS<br>GREGORY HILLS |
| Designed<br>PL | Date<br>OCT'17 |                                            |
| Verified       | Date           |                                            |
| Approved       |                | Title<br>CATCHMENT PLAN                    |

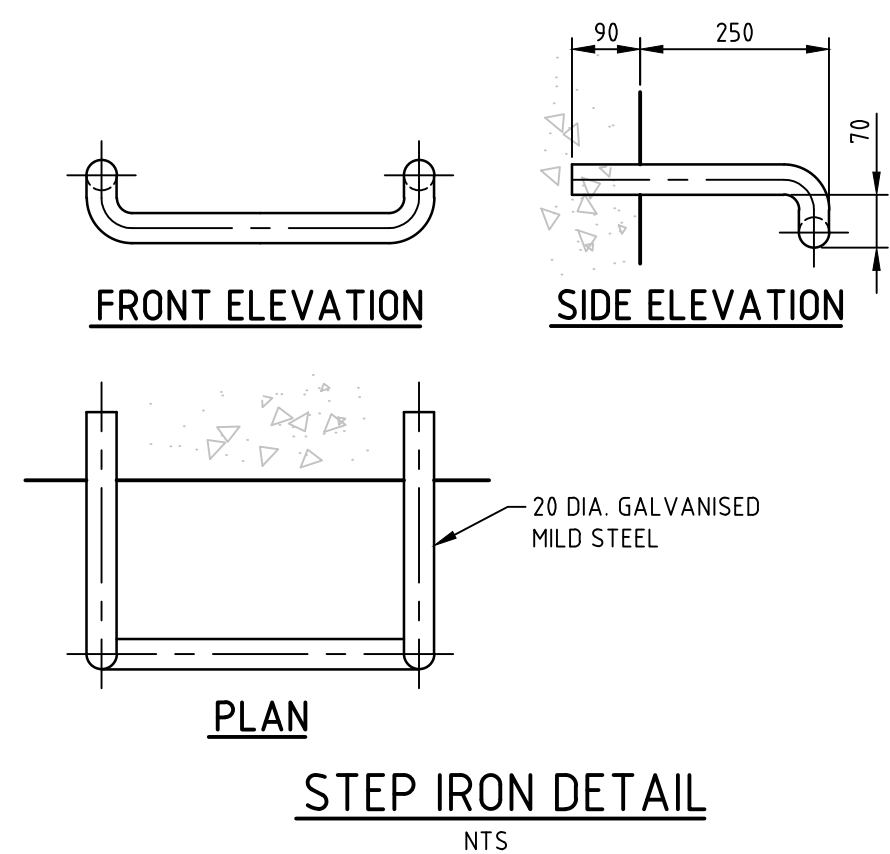
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| Status                             |  |                 |                | <div>FOR APPROVAL</div> <div>NOT TO BE USED FOR CONSTRUCTION PURPOSES</div> |  |
|                                    |  |                 |                |                                                                             |  |
| DATUM<br>AHD                       |  | DATE<br>OCT'17' | Scale<br>1:750 | Size<br>A1                                                                  |  |
| Drawing Number<br>80218030 - SKC03 |  |                 |                | Revision<br>03                                                              |  |



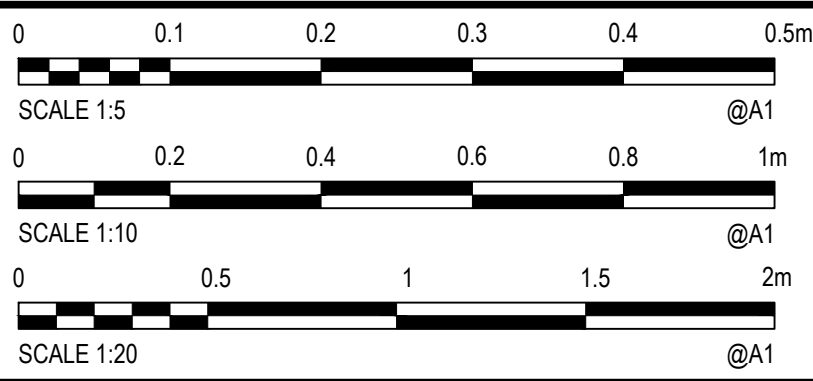
- NOTE:
- ORIFICE DIAMETER TO BE ENGRAVED ON THE PLATE SURFACE.
  - ORIFICE TO BE EPOXY SEALED AROUND OUTER EDGES.



- NOTE:
- TRASH SCREEN DIMENSION TO BE ADJUSTED TO PROVIDE 150mm MIN CLEAR SPACE AROUND ORIFICE PLATE.



| Rev. | Date     | Description      | Des. | Verif. | Appd. |
|------|----------|------------------|------|--------|-------|
| 03   | 22.05.18 | RE-ISSUED FOR DA | PL   |        |       |
| 02   | 07.12.17 | DA ISSUE         | PL   |        |       |
| 01   | 16.10.17 | FOR INFORMATION  | PL   |        |       |

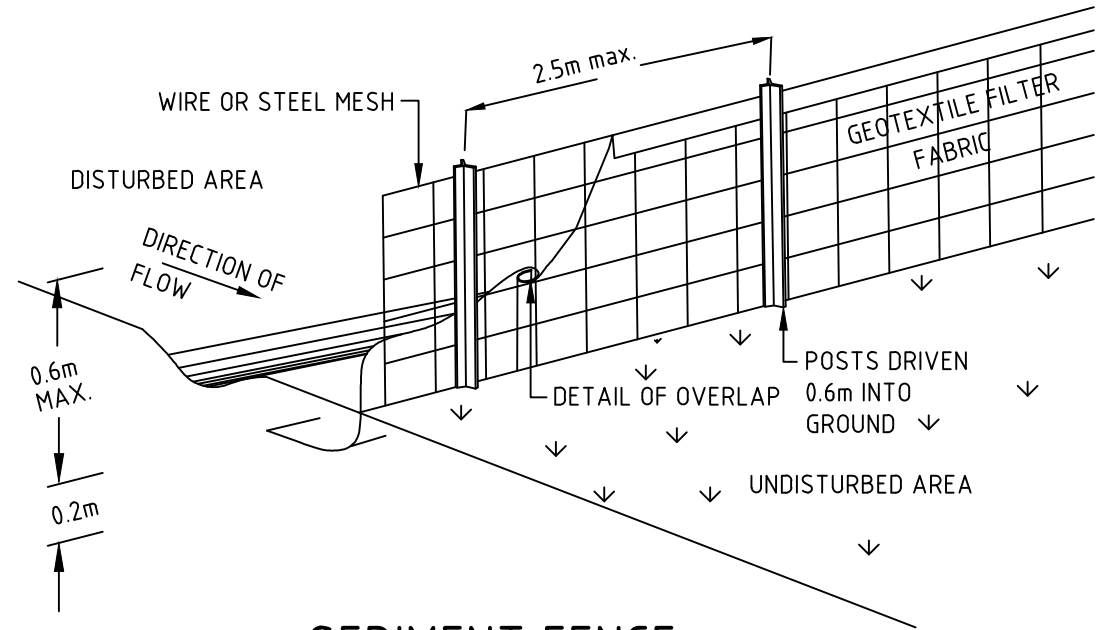


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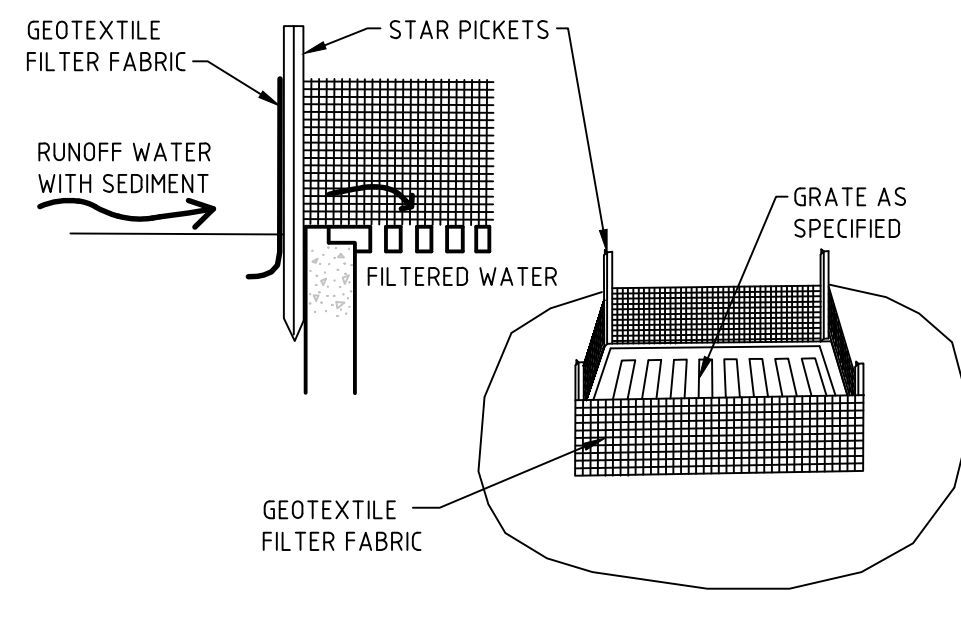
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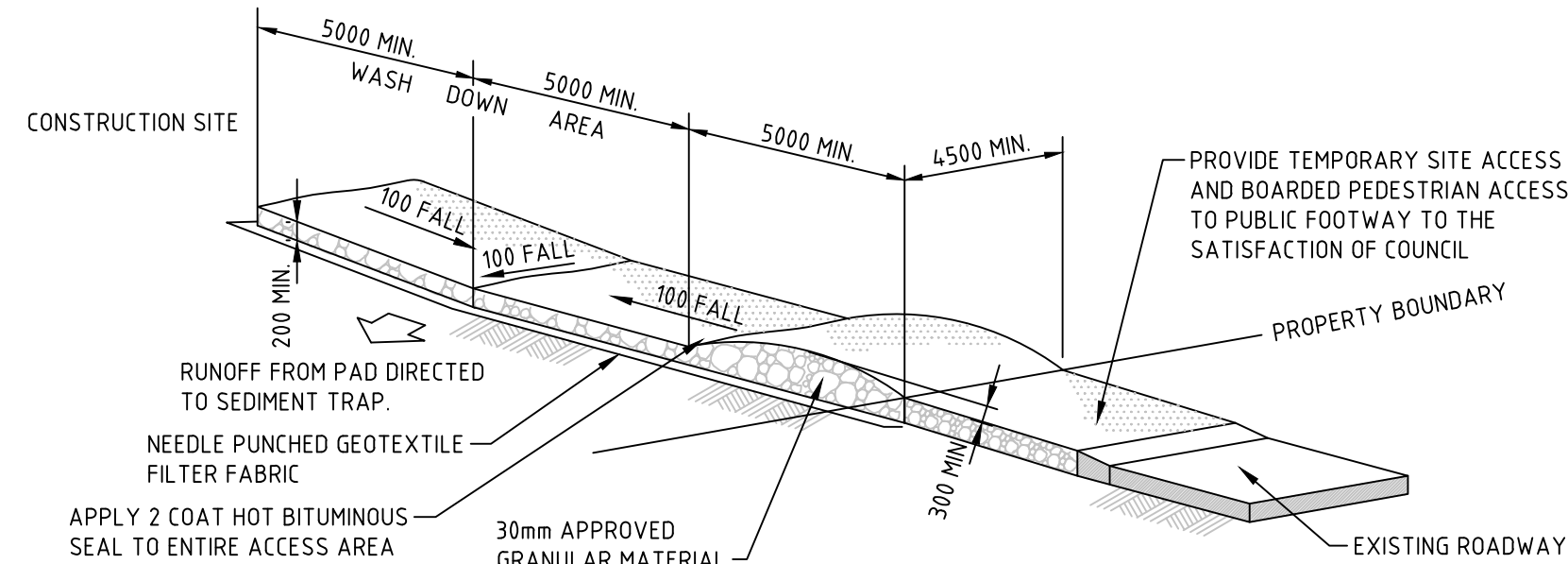
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|---------------------------------------------------------------------------|----------------|--------------------------------------------|
| Drawn<br>MDH                                                              | Date<br>OCT'17 | Client<br>PLANET WARRIEWOOD LTD            |
| Checked<br>PL                                                             | Date<br>OCT'17 | Project<br>UNITED CINEMAS<br>GREGORY HILLS |
| Designed<br>PL                                                            | Date<br>OCT'17 | Title<br>ON-SITE DETENTION TANK DETAILS    |
| Verified                                                                  | Date           |                                            |
| Approved                                                                  |                |                                            |
| Status<br><b>FOR APPROVAL</b><br>NOT TO BE USED FOR CONSTRUCTION PURPOSES |                |                                            |
| DATUM<br>AHD                                                              | DATE<br>OCT'17 | Scale<br>AS SHOWN                          |
| Drawing Number<br>80218030 - SKC04                                        | Size<br>A1     | Revision<br>03                             |



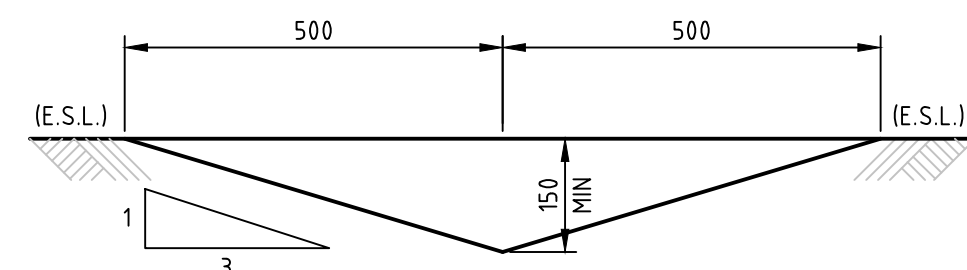
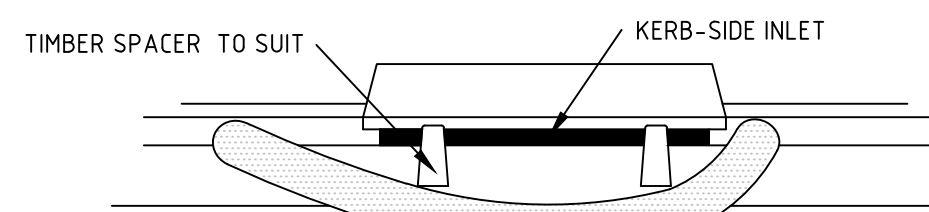
**SEDIMENT FENCE**  
NTS



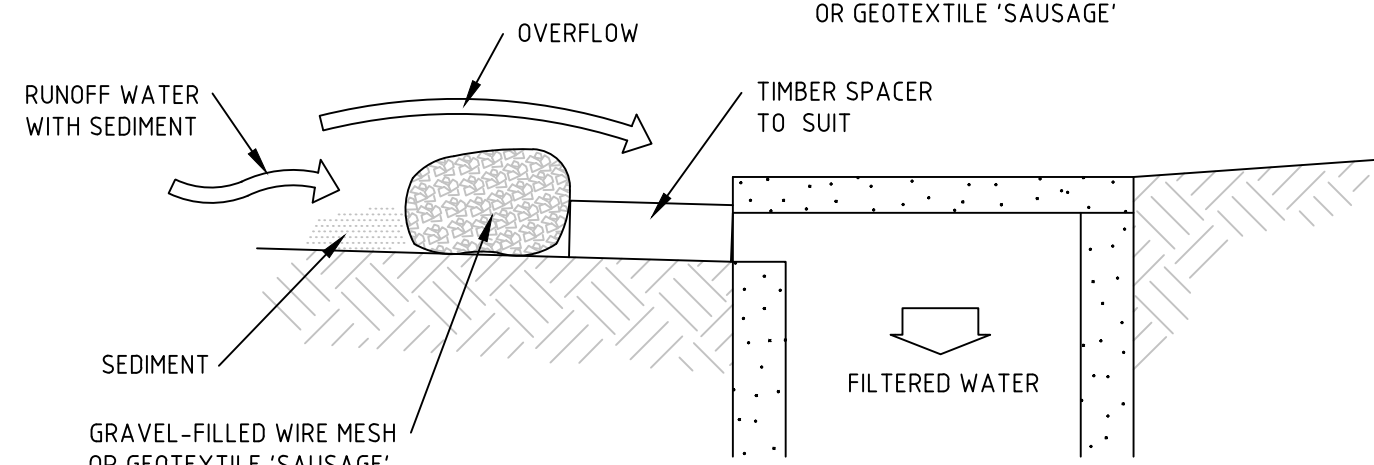
**GEOTEXTILE FILTER PIT SURROUND**  
NTS



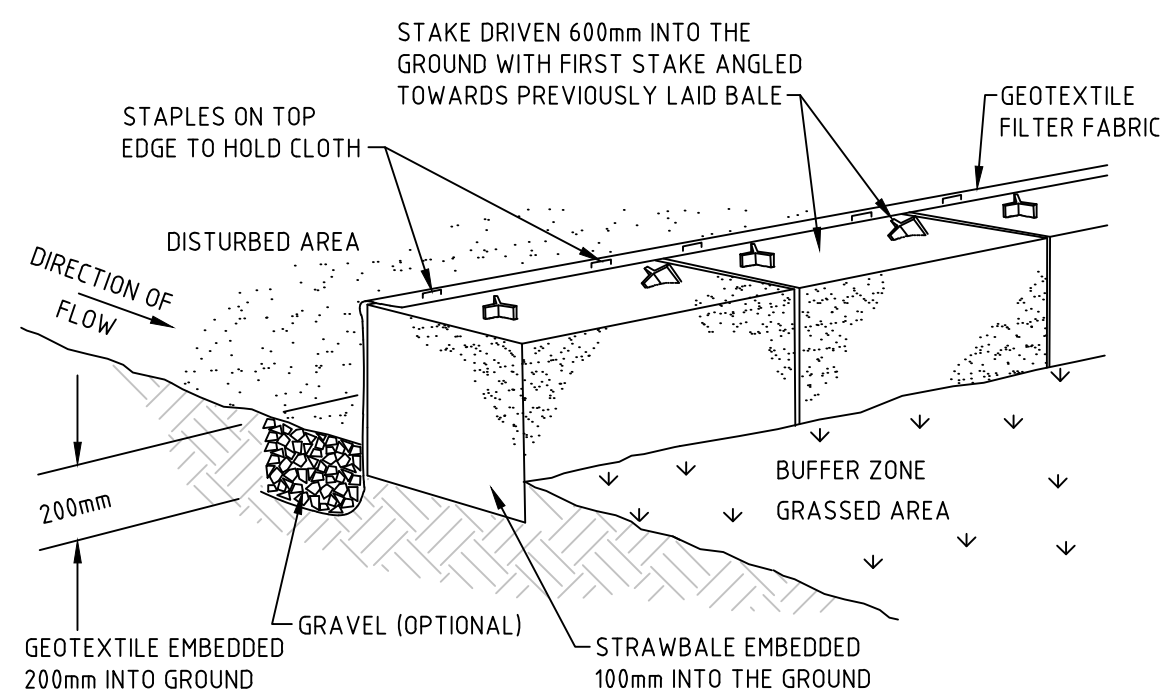
**STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA**  
NTS



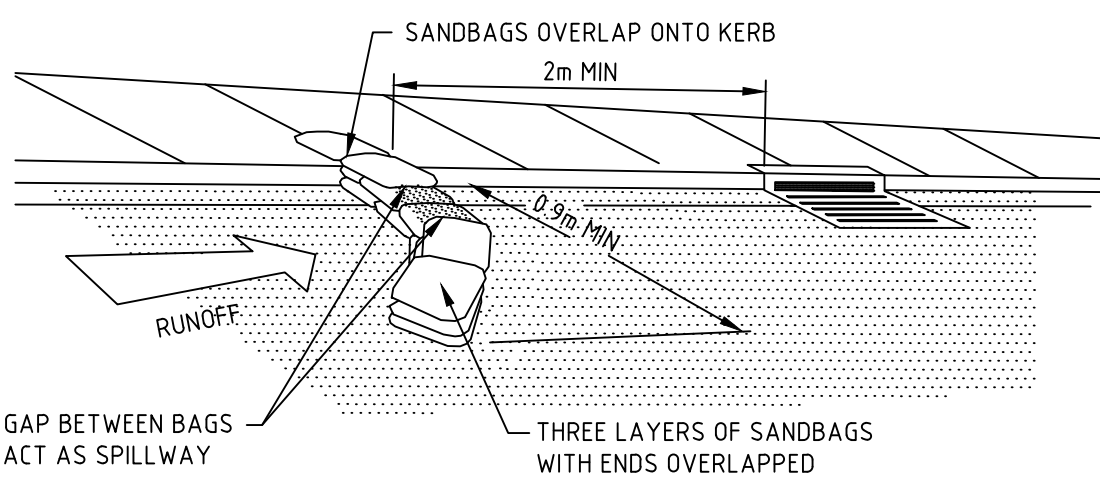
**TEMPORARY CATCH DRAIN**  
(MIN. FALL 1%)  
SCALE 1:10



**MESH AND GRAVEL INLET FILTER**  
NTS



**STRAWBALE AND GEOTEXTILE SEDIMENT FILTER**  
NTS



**SANDBAG SEDIMENT TRAP FOR KERB INLET ON GRADE**  
NTS

**SEDIMENT BASIN CALCULATION**

SOIL TYPE D

$$V_{sz} = 10 \times C_v \times A \times R \\ = 10 \times 0.42 \times 2.64 \times 25.1 \\ = 279m^3$$

$$V_{ssz} = 2 \text{ MONTHS SOIL LOSS CALCULATED BY RUSLE} \\ = 10m^3$$

$$V_{REQUIRED} \quad V_{SB} = V_{sz} + V_{ssz} \\ = 289m^3$$

$$V_{PROVIDED} = 289m^3$$

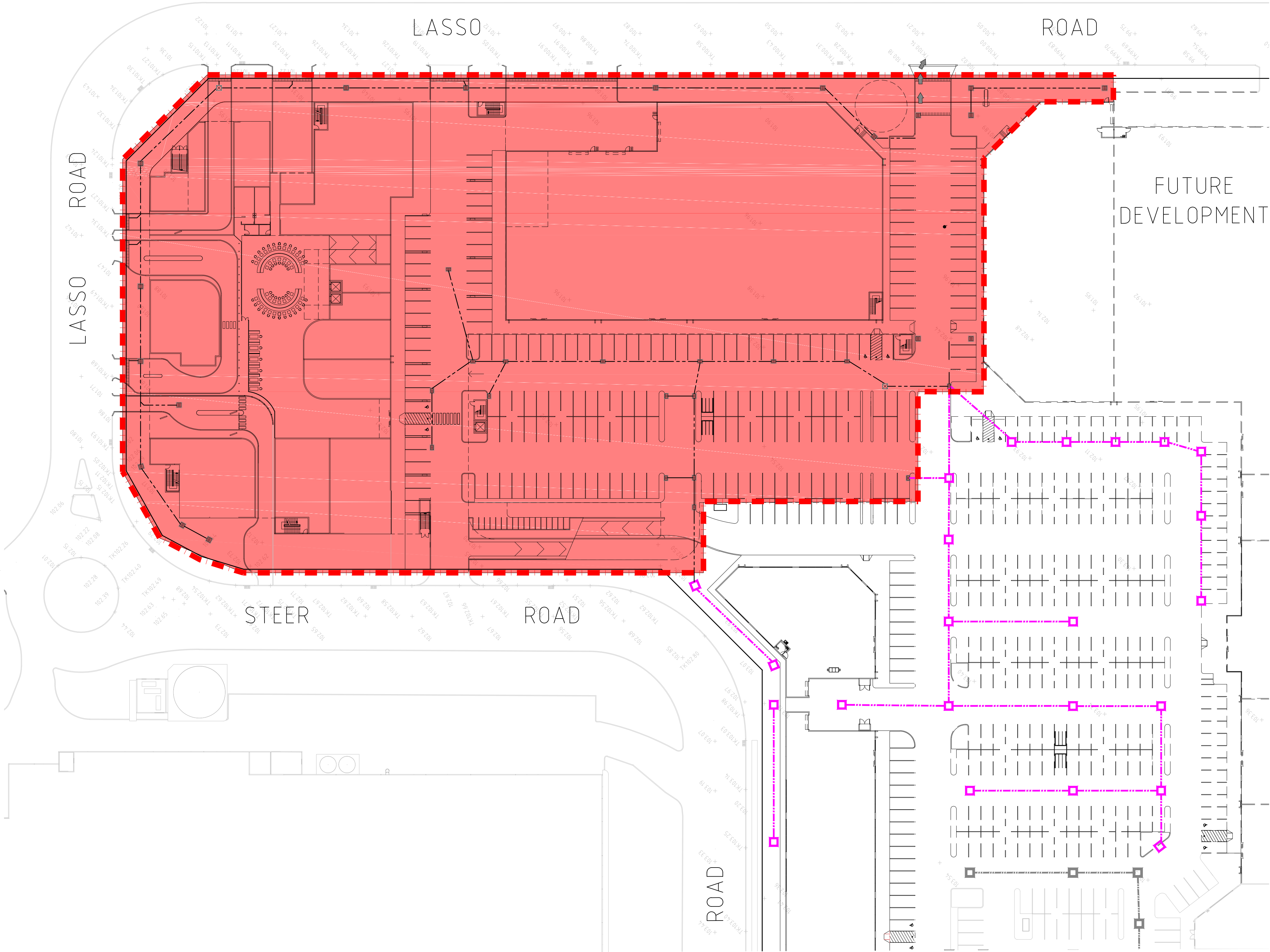
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Checked: PL  
Designed: MKH  
Verified: [blank]  
Approved: [blank]

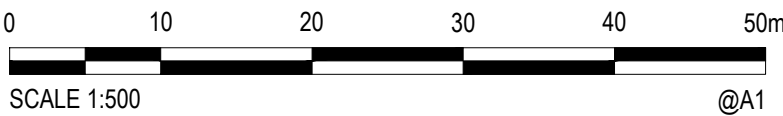
Date: DEC'17  
Client: PLANET WARRIEWOOD LTD  
Project: UNITED CINEMAS GREGORY HILLS  
Title: EROSION AND SEDIMENT CONTROL PLAN AND DETAILS

Status: **FOR APPROVAL**  
NOT TO BE USED FOR CONSTRUCTION PURPOSES  
DATING: AHD DATE: DEC'17 Scale: AS SHOWN Size: A1  
Drawing Number: 80218030 - SKC05 Revision: 03



| AREA OF CUT BASED ON |                                                                                                        |                                          |
|----------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------|
| 1                    | 250mm                                                                                                  | THICKNESS FOR BUILDING SLAB AND HARDCORE |
| 2                    | 330mm                                                                                                  | THICKNESS FOR CARPARK PAVEMENTS          |
| 3                    | ESTIMATED CUT VOLUME 7645m <sup>3</sup> . VOLUMES DO NOT ALLOW FOR TOPSOIL STRIPPING OR BULKING FACTOR |                                          |
| 4                    | SUBJECT TO GEOTECH INVESTIGATION                                                                       |                                          |

|      |          |                  |      |        |       |
|------|----------|------------------|------|--------|-------|
|      |          |                  |      |        |       |
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|      |          |                  |      |        |       |
| 02   | 22.05.18 | RE-ISSUED FOR DA | PL   |        |       |
| 01   | 18.08.17 | FOR INFORMATION  | PL   |        |       |
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| Checked  | PL  | Date | DEC'17 |
| Designed | MKH | Date | DEC'17 |
| Verified |     | Date |        |
| Approved |     |      |        |

|         |                              |  |  |
|---------|------------------------------|--|--|
| Client  | PLANET WARRIEWOOD LTD        |  |  |
| Project | UNITED CINEMAS GREGORY HILLS |  |  |
| Title   | CUT AND FILL PLAN            |  |  |

|                                          |        |       |      |          |
|------------------------------------------|--------|-------|------|----------|
| Status                                   |        |       |      |          |
| FOR APPROVAL                             |        |       |      |          |
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| DATUM                                    | DATE   | Scale | Size |          |
| AHD                                      | DEC'17 | 1:500 |      | A1       |
| Drawing Number                           |        |       |      | Revision |
| 80218030 - SKC06                         |        |       |      | 02       |