

GENERAL NOTES

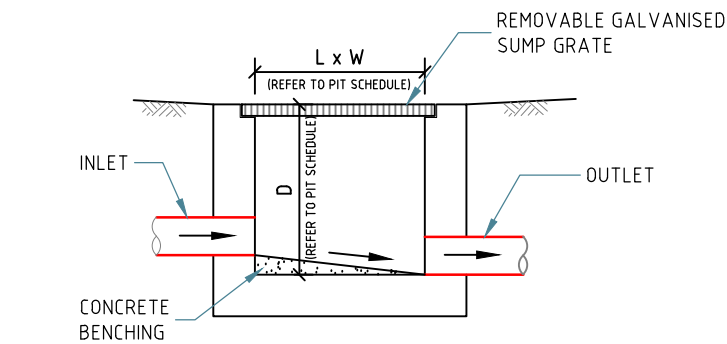
1. THE PLUMBER/ DRAINER SHALL INSPECT THE SITE AND CONFIRM THE EXISTING SITE STRUCTURES, SERVICES AND CONDITIONS PRIOR TO PROCEEDING. IF ANY DISCREPANCIES FOUND, CONTACT THE ENGINEER FOR DISCUSSION.
2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS, BUILDING CODE OF AUSTRALIA AND LOCAL GOVERNMENT'S REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE PLUMBER/ DRAINER TO OBTAIN ANY APPROVALS/ PERMITS/ LICENSES ISSUED BY THE AUTHORITIES PRIOR TO PROCEEDING WITH STORMWATER WORKS.
3. UNLESS NOTED AS OTHERWISE, ALL DOWNPIPES TO BE Ø100 ROUND (OR 100x75 RECTANGULAR) AND FULLY SEALED; ALL STORMWATER PIPES TO BE Ø100 SEWER GRADE AND LAID AT 1% MIN. FALL. ALL MATERIALS USED IN THE WORK SHALL BE NEW AND CONFORM WITH RELEVANT AUSTRALIAN STANDARDS AND BEAR THE REQUIRED STANDARDS MARK.
4. LOCATION OF STORMWATER SYSTEMS, INCLUDING DOWNPIPES, PIPES, PITS AND RAINWATER TANK ARE INDICATIVE ONLY. EXACT LOCATION SHALL BE DETERMINED ON SITE TO SUIT SITE CONDITIONS.
5. SUB-SOIL DRAINS FOR RETAINING WALL SHALL BE INSTALLED BY THE BUILDER AND CONNECTED TO STORMWATER LINES. ALL AGG. LINES SHALL BE 100mm DIA., UNLESS NOTED OTHERWISE.
6. NATURAL GROUND LEVELS ALONG ALL BOUNDARIES MUST BE MAINTAINED UNALTERED. ALL RETAINING WALLS TO BE SETBACK FROM BOUNDARIES TO AVOID CONCENTRATION OF STORMWATER FLOWS.
7. LEVELS ARE APPROXIMATE ONLY. THE PLUMBER/ DRAINER SHALL CONFIRM THE LEVELS PRIOR TO PROCEEDING. IF ANY DISCREPANCIES FOUND, CONTACT THE ENGINEER FOR DISCUSSION.
8. INSPECTION AND CERTIFICATION, IF REQUIRED, SHALL BE DONE PRIOR TO BACKFILLING. ALLOW 24 HOUR NOTICE FOR THE ENGINEER TO CARRY OUT INSPECTION.
9. ANY DAMAGE TO SERVICES DURING CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY AT THE PLUMBER/ DRAINER'S OWN EXPENSE.
10. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH:  
- ARCHITECTURAL PLAN BY ..., PROJECT/JOB No. ..., REVISION/ISSUE No. ..., DATED ...

BASIX REQUIREMENTS

THIS DEVELOPMENT HAS NO COMMITMENT ON RAINWATER REUSE UNDER BASIX CERTIFICATE..

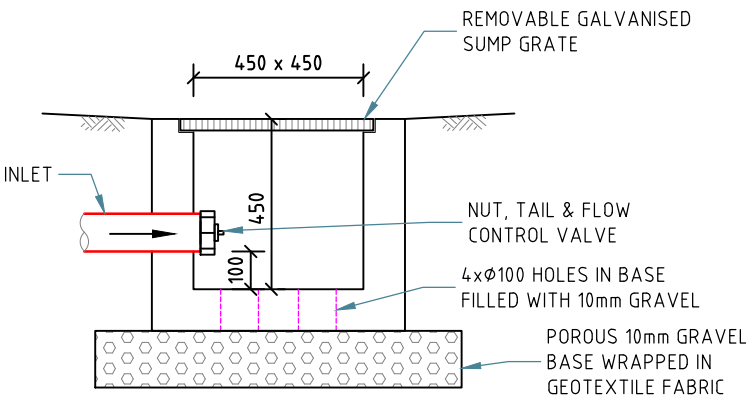
OSD REQUIREMENTS

THIS DEVELOPMENT IS AN ALTERATIONS AND ADDITIONS TO AN EXISTING DWELLING. THE SITE CAN BE DRAINED TO STORMWATER EASEMENT BY GRAVITY. THEREFORE, OSD SYSTEM IS NOT REQUIRED.



GRADED PIT DETAILS

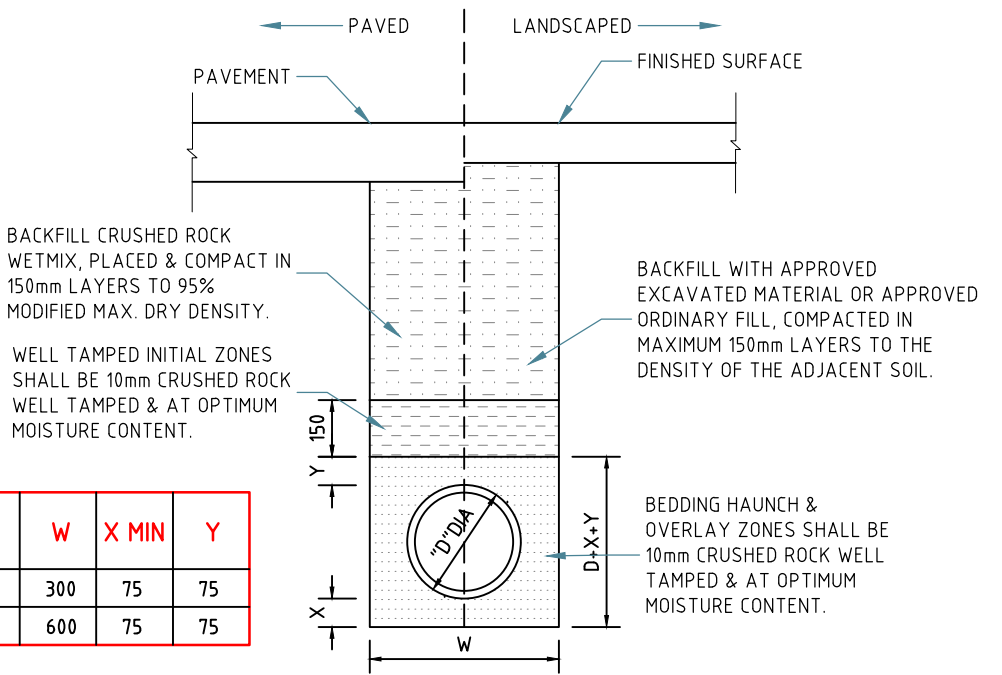
SCALE 1:20



CLEAN-OUT/FIRST FLUSH PIT DETAILS

SCALE 1:20

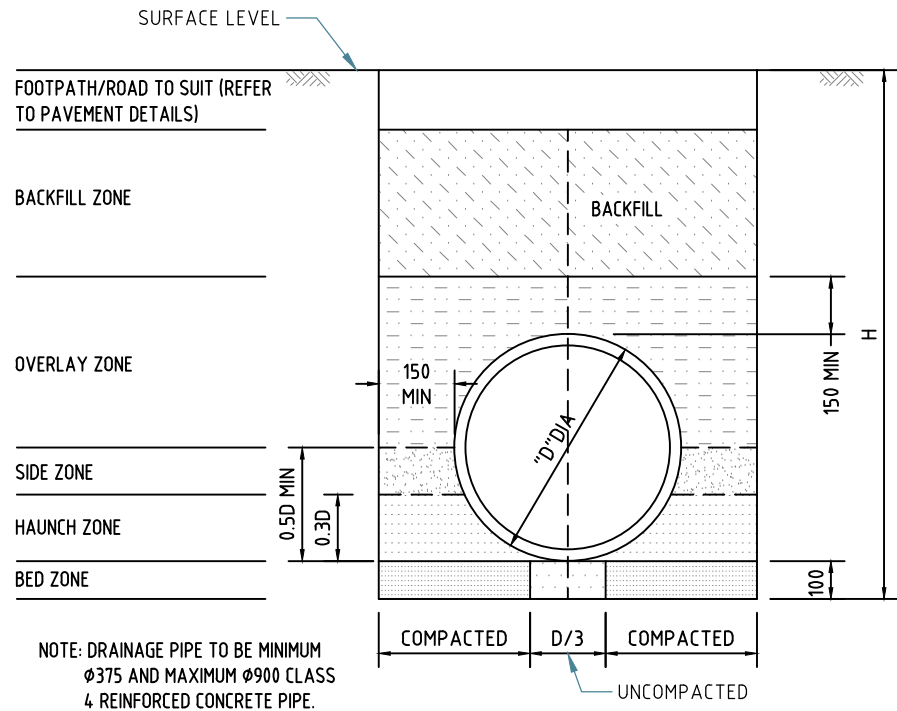
| MINIMUM PIPE COVER<br>(FROM FINISHED SURFACE TO TOP OF PIPE)                                                                                                                                                                    |                             |                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------|
| LOCATION                                                                                                                                                                                                                        | MINIMUM COVER (mm)          |                               |
|                                                                                                                                                                                                                                 | CAST/DUCTILE IRON GAL STEEL | OTHER AUTHORISED PRODUCTS (-) |
| 1. NOT SUBJECT TO VEHICULAR LOADING:<br>A. WITHOUT PAVEMENT<br>i. FOR SINGLE DWELLING<br>ii. OTHER THAN SINGLE DWELLING<br>B. WITH PAVEMENT OF BRICK/UNREINFORCED CONCRETE                                                      | 0                           | 100                           |
|                                                                                                                                                                                                                                 | 0                           | 300                           |
|                                                                                                                                                                                                                                 | 0(~~)                       | 50(~~)                        |
| 2. SUBJECT TO VEHICULAR LOADING:<br>A. OTHER THAN ROAD:<br>i. WITHOUT PAVEMENT<br>ii. WITH PAVEMENT OF:<br>- REINFORCED CONC. FOR HEAVY VEHICLE<br>- BRICK/UNREINF. CONC. LIGHT VEHICLE<br>B. ROAD<br>i. SEALED<br>ii. UNSEALED | 300                         | 450                           |
|                                                                                                                                                                                                                                 | 0(~~#)                      | 100(~~#)                      |
|                                                                                                                                                                                                                                 | 0(~~#)                      | 75(~~#)                       |
|                                                                                                                                                                                                                                 | 300                         | 500(#)                        |
|                                                                                                                                                                                                                                 | 300                         | 500(#)                        |
| 3. SUBJECT TO CONSTRUCTION VEHICLE OR IN ENBANKMENT CONDITION                                                                                                                                                                   | 300                         | 500(#)                        |
| (-) INCLUDES OVERLAY ABOVE THE TOP OF THE PIPE OF NOT LESS THAN 50mm THICK<br>(~~) BELOW THE UNDERSIDE OF THE PAVEMENT<br>(#) SUBJECT TO COMPLIANCE WITH AS1762, AS2033, AS/NZS2566.1, AS3725 OR AS4060                         |                             |                               |



| PIPE DIA "D" | W   | X MIN | Y  |
|--------------|-----|-------|----|
| 100-150      | 300 | 75    | 75 |
| 225-300      | 600 | 75    | 75 |

UPVC PIPE TRENCH BACKFILL TYP. DETAILS

SCALE 1:20



NOTE: DRAINAGE PIPE TO BE MINIMUM Ø375 AND MAXIMUM Ø900 CLASS 4 REINFORCED CONCRETE PIPE.

CONCRETE PIPE TRENCH BACKFILL TYP. DETAILS

SCALE 1:20

Paper size: A3

All dimensions are in millimetres. Do not scale the drawing. Use written dimensions. Dimensions must be confirmed prior to commencement. Location of services are approximate only. Dial 1100 before any excavation or demolition.

| Revisions      |             |
|----------------|-------------|
| Original issue |             |
| Designed: DL   | Checked: HL |

Approved:  
  
Quoc Huy Nguyen  
PhD (Eng), MIEAust, CPEng,  
NER Reg. No. 208 2513

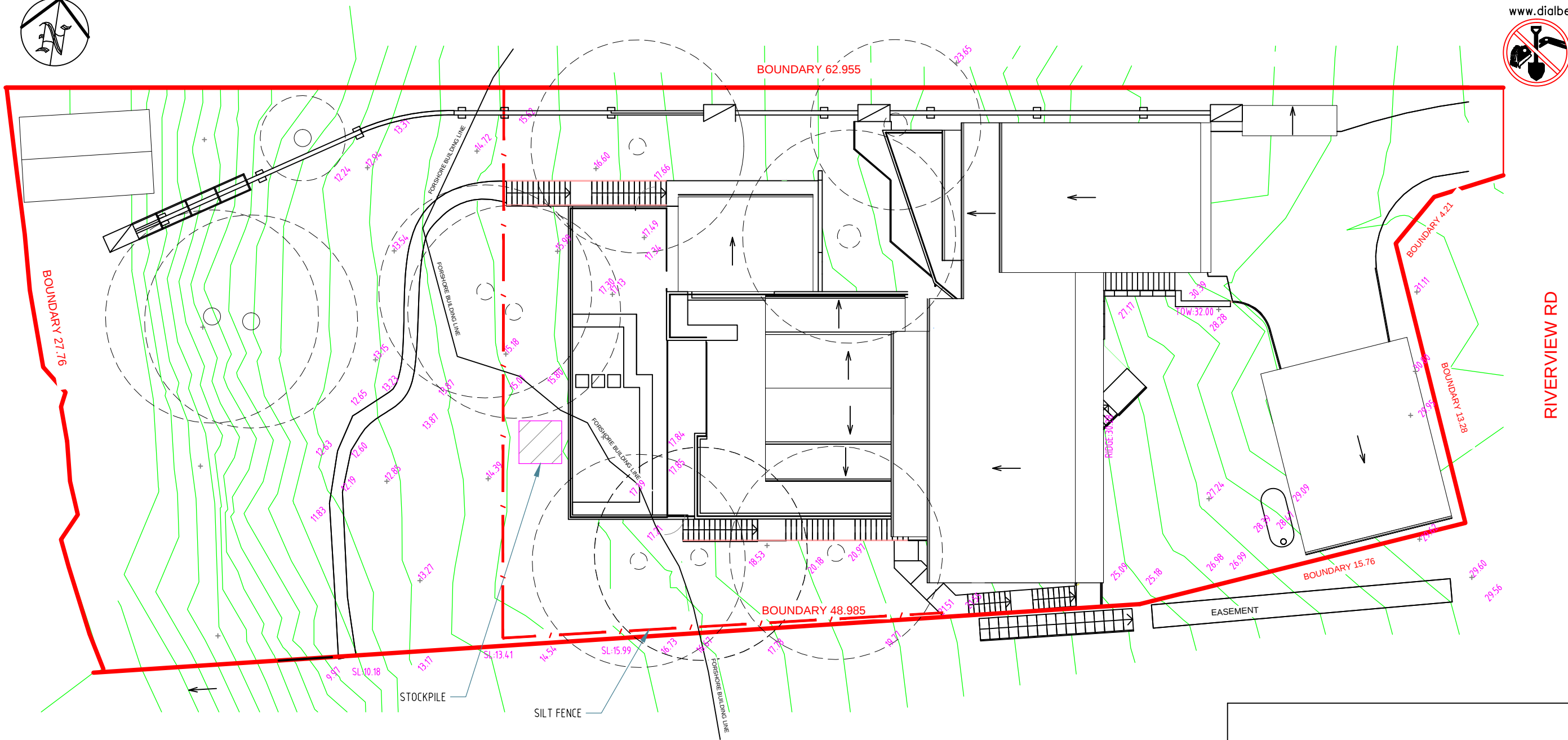
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PROJECT: PROPOSED ALTERATIONS AND ADDITIONS  
ADDRESS: 127 RIVERVIEW ROAD, AVALON  
LGA: NORTHERN BEACHES COUNCIL

NOTES & STANDARD DETAILS

Project No: 1914H Issue: B Date: 16.07.2018 Sheet No: 1 of 3

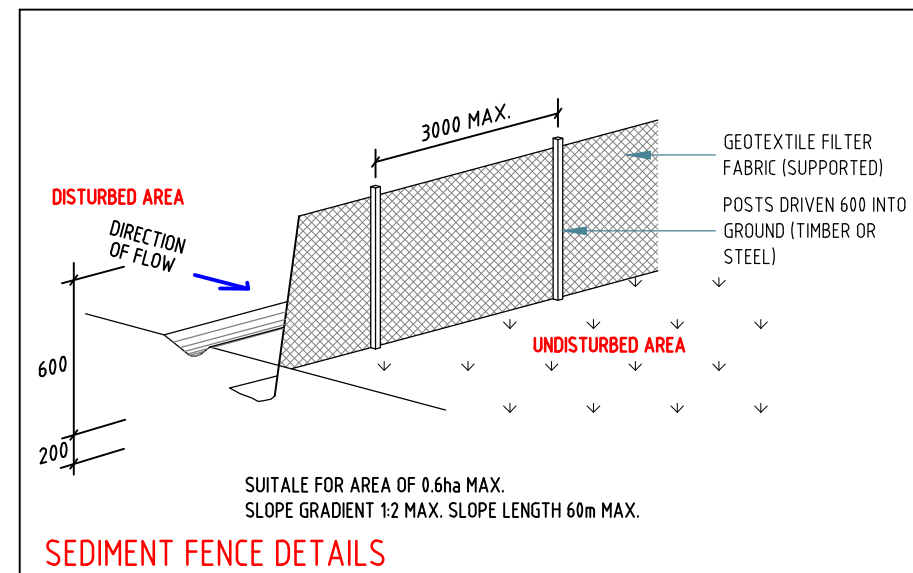


## NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE INSPECTED AND MAINTAINED DAILY BY SITE MANAGER
2. MINIMISE DISTURBED AREA
3. ALL STOCKPILES TO BE CLEAR FROM DRAINS, GUTTERS AND FOOTPATH
4. DRAINAGE IS TO BE CONNECTED TO STORMWATER SYSTEM AS SOON AS POSSIBLE
5. ROADS AND FOOTPATH TO BE SWEEPED DAILY
6. KERB SIDE INLET TO BE PROTECTED WITH FABRIC FILLED WITH GRAVEL

## EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1:200



Paper size: **A3**

All dimensions are in millimetres. Do not scale the drawing. Use written dimensions. Dimensions must be confirmed prior to commencement. Location of services are approximate only. Dial 1100 before any excavation or demolition.

| Revisions      |             |
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Approved:

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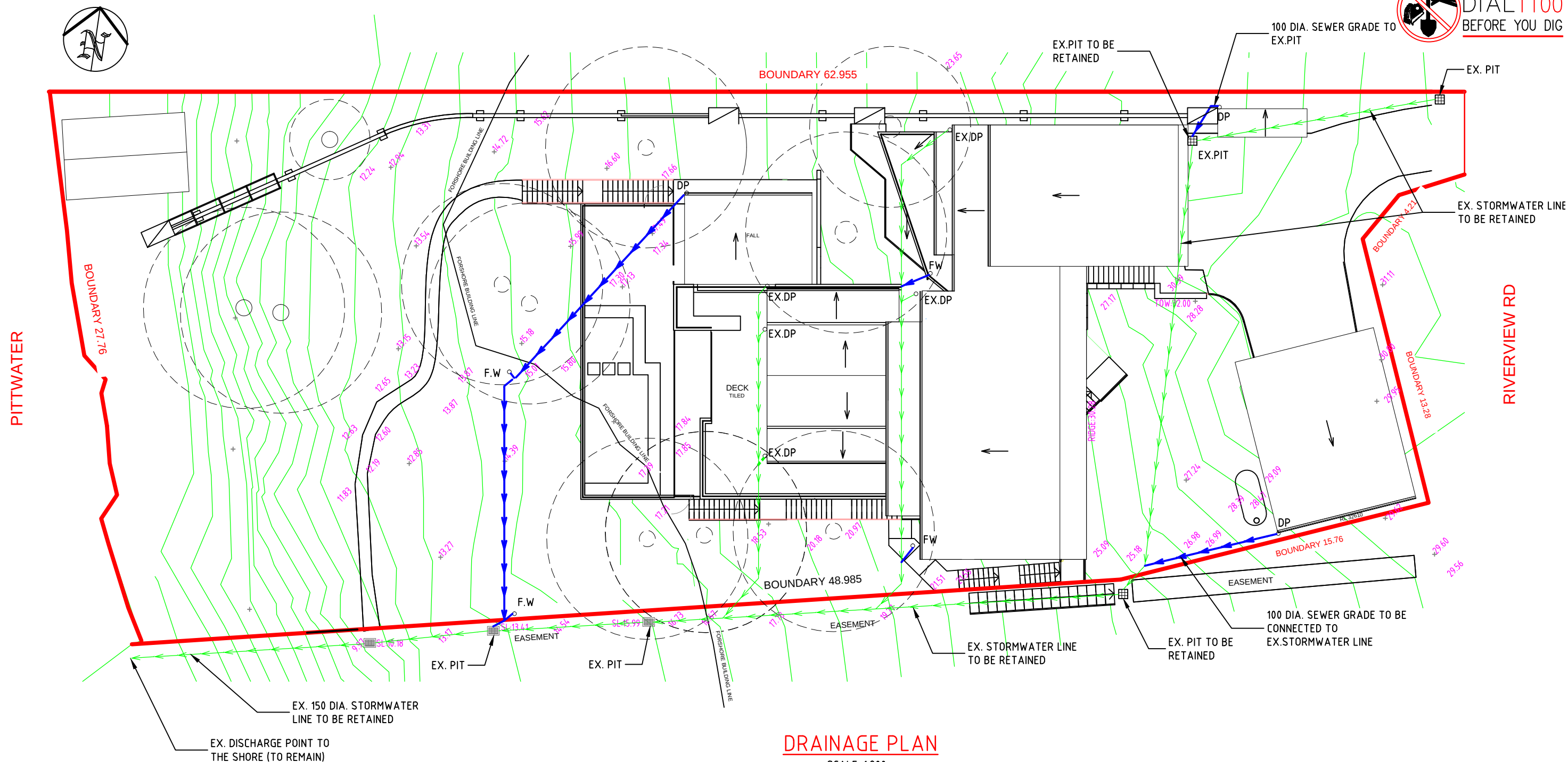
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## EROSION & SEDIMENT CONTROL PLAN

Project No: 1914H Issue: B Date: 16.07.2018 Sheet No: **2** of 3

**DRAINAGE PLAN**

SCALE: 1:200

**LEGEND:**

DP DOWNPIPE  
 @FW# FLOOR WASTE No. # ON LEVEL @  
 GP GRATED PIT  
 SP SILT ARRESTOR PIT  
 CP CLEAN-OUT PIT  
 SL SURFACE LEVEL  
 IL INVERT LEVEL  
 KO KERB OUTLET

 225x100 GRATED BOX DRAIN  
 EXISTING- WATER PIPELINE  
 SURFACE- WATER PIPELINE  
 SURFACE RUNOFF DIRECTION  
 EARTH-MOUND SWALE OR DISH DRAIN  
 EXISTING GROUND CONTOUR  
 PROPOSED GROUND LEVEL  
 100 DIA. YARD SUMP OR 250 SQ. GRATED PIT

Paper size: **A3**

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## Revisions

Original issue

Designed: DL

Checked: HL

Approved:

  
 Quoc Huy Nguyen  
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**DRAINAGE PLAN**

Project No: 1914H Issue: B Date: 16.07.2018 Sheet No: **3** of 3