#### **DESIGNED BY:**



## **HECARD Consult Pty. Ltd.**

PO BOX 320 Macarthur Square, NSW, 2560 Ph. (02) 4610 1401

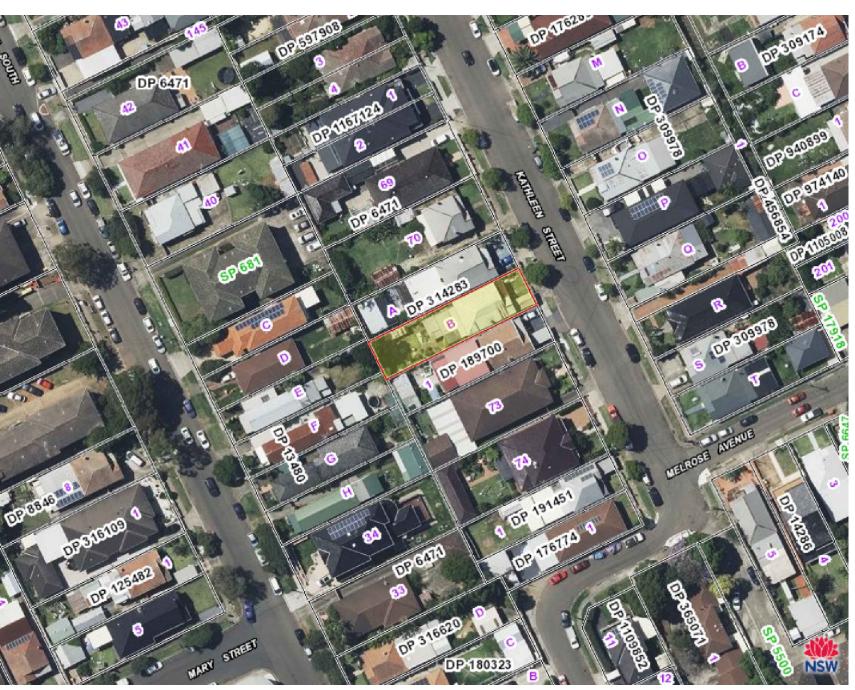
Email: info@hecardconsult.com.au Web: www.hecardconsult.com.au

**FOR: SOHAIL MURAD** 

JOB NO: SW 032-2502 DATE: 05/03/2025

DRAWING NO	DRAWING TITLE
1	COVERPAGE
2	GENERAL NOTES
3	EAVE GUTTER CALCULATION
4	STORMWATER MANAGEMENT PLAN
5	STORMWATER MANAGEMENT PLAN (BASEMENT PLAN)
6	PUMP SUMP TANK
7	RAINWATER TANK DETAIL
8	PIT AND KERB CONNECTION DETAIL
9	EROSION AND SEDIMENT CONTROL PLAN
10	EROSION AND SEDIMENT CONTROL DETAIL

# STORMWATER MANAGEMENT PLAN FOR PROPOSED DWELLING 35, KATHLEEN STREET, WILEY PARK, NSW



ISSUED FOR: D.A

#### STORMWATER DRAINAGE GENERAL

- THESE DRAWINGS SHALL BE READ IN CONJUCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS. ALL DISCREPANCIES SHALL BE REFERRED TO THE ARCHITECT AND ENGINEER FOR DECISION BEFORE PROCEEDING WITH THE WORK
- DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THESE DRAWINGS. REFER TO ARCHITECT'S FINAL DRAWINGS.
- THE BUILDER SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING AND NEW SERVICES, AND SHALL BE RESPONSIBLE FOR DAMAGE TO THE SAME.
- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE SSA CODES. AND THE BY-LAWS AND ORDINANCES OF THE COUNCIL EPA AND WORKCOVER AS 3500 PART 2 & 3
- PREPARE PROGRESSIVELY AND FURNISH TO THE ENGINEER WORK AS EXECUTED DRAWINGS OF THE SAME SIZE AND QUALITY AS THIS DRAWING BUT ACCORDANCE WITH DA CONDITIONS AND CC REQUIREMENTS.
- GIVE SUFFICIENT NOTICE SO THAT INSPECTION MAY BE CARRIED OUT AT THE FOLLOWING STAGES: WORK READY FOR SPECIFIED TESTING, WORK READY TO BE COVERED OR CONCEALED.
- OBTAIN APPROVAL BEFORE INTERRUPTING AN EXISTING SERVICE. KEEP THE NUMBER OF INTERRUPTIONS TO A MINIMUM.
- LAY PIPES TO THE LEVELS SHOWN ON THE DRAWINGS AND IN ANY CASE NOT LESS THAN THE FOLLOWING:
- DIA. 100 MM @ 1.0%, DIA 150 MM @ 1.0%, DIA 225 MM @ 0.5%, DIA 300 MM @ 0.5%
- ENDS OF PIPES AND STUB CONNECTIONS TO BE SEALED WITH O AN APPROVED SEALED DISC.
- MILD STEEL STAR PICKET 1200 mm LONG WITH 300 mm PAINTED GREEN EXTENDED ABOVE GROUND LEVEL TO BE PLACED AT EACH INTERLOTMENT DRAINAGE CONNECTION POINT.
- GEOTEXTILE FABRIC TO BE PLACED UNDER RIP RAP SCOUR **PROTECTION**

#### **STORMWATER DRAINAGE NOTES:**

- CONTRACTOR IS TO VERIFY THE LEVEL AND LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF **FXCAVATION**
- THE CONTRACTOR IS TO VERIFY ANY CONFLICT OF SERVICES IN THE ROAD RESERVE OR SUBJECT PROPERTY AND THE

- ENGINEER IS TO BE NOTIFIED AT THE EARLIEST POSSIBLE CONVENIENCE
- THE CONTRACTOR TO VERIFY THE INVERT LEVELS AT POINT OF CONNECTION TO EXISTING STORMWATER SYSTEM AND REPORT ANY CONFLICT OF LEVELS
- ALL BUILDINGS HAVE RAISED SO THERE IS AT LEAST 150 mm STEP UP INTO THE BUILDING TO ALLOW SUFFICIENT FREEBOARD FOR OVERLAND FLOWS IN THE CASE OF PIPE BLOCKAGE
- DOWNPIPES AND PITS LOCATIONS AND LEVELS MAY BE VARIED TO SUIT THE SITE CONDITIONS, AFTER ENGINEERING APPROVAL
- DOWNPIPES SHOWN ARE INDICATIVE ONLY. ALL ROOF GUTTERING AND DOWNPIPES TO THE CURRENT AUSTRALIAN STANDARDS
- DRAINAGE PIPES TO BE CONCRETE ENCASED WHERE LOCATED UNDER DRIVEWAY OR BUILDING
- ALL PIPES TO BE FULLY HOUSED INTO PIT WALLS AND JOINED / SEAL IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
- GRADE ALL PAVED AND GRASSED AREAS AWAY FROM THE BUILDING.
- TOP OF GRATE TO BE POSITIONED TO CATCH ALL UPSTREAM SURFACE FLOWS AS INDICATED BY PLANS.
- ALL PIPES WITHIN THE PROPERTY TO BE MIN. OF 150 DIA, @ 1% MIN. GRADE, UNO.
- ANY PIPES OVER 16% GRADE SHALL HAVE CONCRETE BULHEADS AT ALL JOINTS.
- ALL PITS WITHIN THE PROPERTY AREA TO BE FITTED WITH WELDOK OR APPROVED EQUIVALENT GRATES TO AS3996:
  - O LIGHT DUTY FOR LANDSCAPE AREAS
- HEAVY DUTY WHERE SUBJECTED TO VEHICULAR CROSSING
- ANY PIPES BENEATH RELEVANT LOCAL AUTHORITY ROAD TO BE RUBBER RING JOINTED RCP, UNO.
- GRATES WITH LOCKING BOLTS AND CONTINEOUS HINGE
- ALL COURTYARD AND LANDSCAPE PITS TO BE 400 SQUARE. UNO
- ALL PLANTER BOXES AND BALCONIES TO BE CONNECTED TO THE PROPOSED STORMWATER DRAINAGE LINE.
- PROVIDE STEP IRONS TO STORMWATER PITS GREATER THAN 1200 IN DEPTH
- COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE MIN. 25 MPa

- PROVIDE CONCRETE BENCHING ACROSS PIT TO SUIT INLET AND RAINWATER TANK TO BE CONNECTED TO ALL TOILETS, LAUNDRY **OUTLET PIPES AS DETAILED**
- DIA 100 SUBSOIL DRAINAGE PIPE 3.0 M LONG WRAPPED IN DESIGN NOTES FABRIC SOCK TO BE PLACED ADJACENT TO INLET PIPES ON BOTH SIDES AND 100 MM MIN. ABOVE PIT FLOOR
- SUB SOIL DRAINAGE SHALL BE PROVIDED TO ALL RETAINING WALLS AND EMBANKMENTS WITH THE LINES FEEDING INTO THE STORMWATER DRAINAGE SYSTEM, UNO
- SELECTED GRANULAR BACKFILL IS TO BE PLACES AGAINST THE FULL HEIGHT OF THE PIT VERTICAL FACES AND FOR A HORIZOONTAL DISTANCE EQUAL TO ONE-THIRD THE HEIGHT OF THE STRUCTURE.
- MORTAT BASES TO BE SHAPED TO GIVE MIN 20 mm FALL ACROSS PITS
- MORTAR BASES TO BE DISHED TO SUIT ADJOINING PIPE SIZES TO GICE SELF CLEAINSING PITS.
- WHERE PIT DEPTH EXCEEDS STANDARD DEPTH. CONCRETE SHALL BE USED AS PIT BASE, AND ALSO TO GAIN REQUIRED INLET/ OUTLET LEVELS.
- THE INLET PIPE OBVERT IS TO BE HIGHER THAT THE OUTLET PIPE OBVERT
- ullet ALL SWAYLES SHALL HAVE A TURFED INVERT EXTENDING 0.5 m **SEDIMENT BARRIER AROUND PIT:** UP THE SIDE SLOPES
- HAND EXCAVATE STORMWATER PIPES IN VICINITY OF TREE ROOTS
- FOOTHPATH CROSSING LEVELS SHOWN ARE TO BE ADJUSTED TO FINAL COUNCIL'S ISSUED LEVELS
- ALL FENCES MUST BE RAISED 150 mm FROM THE FINISHED GROUND LEVELS SO THAT OVERLAND FLOWS FROM UPSTREAM PROPERTIES ARE NOT RESTRICTED OR BLOCKED.

#### **RAINWATER TANK NOTES:**

- ALL PITS IN ROADWAYS ARE TO BE FITTED WITH HEAVY DUTY THE SYSTEM TO BE INSTALLED WITH THE FOLLOWING CONSIDERATIONS:
  - A 'FIRST FLUSH' DIVERSION TO REMOVE ROOF CONTAMINANTS
  - ADEQUATE SCREENING TO PROVIDE MOSQUITO BREEDING AND ENTRY OF ANIMAL OR FLOATING MATTER
  - TANKS TO BE PLUMBED TO TOP-UP FROM THE POTABLE WATER SUPPLY DURING DRY PERIOD WHEN THE TANK IS 80% EMPTY
  - NO DIRECT CROSS-CONNECTION WITH THE POTABLE WATER SUPPLY AND AN AIR GAP MAINTAINED ABOVE THE OVERFLOW IN THE TANK.

AND AT LEAST ONE (1) OUTDOOR TAP.

- ALL EVE GUTTERS AND DOWNPIPES ARE DESIGNED FOR 10 YEAR ARI STORM EVENT.
- BOX GUTTER AND RAINWATER HEADS ARE DESIGNED FOR 100 YEAR ARI STORM EVENT
- INTENSITY FREQUENCY DURATION (IFD) DESIGN CHART OBTAINED FROM BUREAU OF METEOROLOGY HAS BEEN USED TO DESIGN ON SITE DETENTION SYSTEM.

#### • OSEDIMENT FENCE

- SEDIMENT CONTROL DEVICES ARE TO BE IN PLACE PRIOR TO ANY DEMOLITION OR CONSTRUCTION.
- CONSTRUCT A SILT BARRIER FENCE AS SHOWN ON PLAN AND TO DETAILS AS ABOVE.
- SEDIMENT CONTROL DEVICES ARE TO BE MAINTAINED IN GOOD WORKING ORDER UNTIL COMPLETION OF ALL SITE WORKS OR TO THE SATISFACTION OF THE COUNCIL SUPERVISING OFFICER.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

- FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE.
- SUPPORT GEOTEXTILE WITH MESH TIED TO THE POSTS AT 1000 MM CENTERS.
- DONOT COVER INLET WITH GEOTEXTILE

#### STANDARD PIPE TRENCH

- SAND FREE FROM ROCK OR OTHER HARD AND SHARP OBJECTS THAT WOULD RETAINED ON 13.2 SEIVE
- CRISHED ROCK OR GRAVEL OF APPROVED GRADING UP TO MAX SIZE OF 14 mm
- THE EXCAVATED MATERIAL MAY BE USED IF IT IS FREE FROM ROCK OR HARD MATTER AND BROKEN UP SO STHAT IT CONTAINS NO SOIL LUMPS HAVING ANY DIMENSION GREATER THAN 75 mm WHICH WOULD PREVENT ADEQUATE COMPACTION OF THE BEDDING
- MATERIAL FOR PIPE SIDE SUPPORT SHOULD BE ADEQUATELY TAMPED IN LAYERS OF NOT MORE THAN 150 mm.
- PIPE OVERLAY MATERIAL SHOULD BE LEVELLED AND TAMPED IN LAYERS TO A MINIMUM HEIGHT OF 150 mm ABOVE THE CROWN OF THE PIPE

ISSUED FOR D.A CS 05/03/2025 Description Date

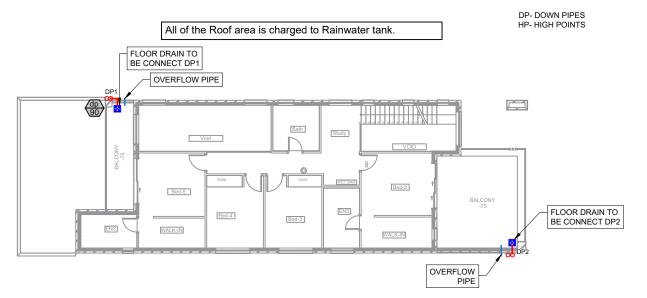
CHECARD Consult Convright in the whole and every part of this drawing belongs to HECARD Consult and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in or on any media to any person other than by ent with HECARD Consult. This drawing is produced by HECARD Consult solely for the benefit of and use by the client in accordance with the terms of the engagement. HECARD Consult does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by any third party on the content of this drawing



**HECARD Consult Pty. Ltd.** PO BOX 320 Macarthur Square, NSW, 2560 Ph. (02) 4610 1401

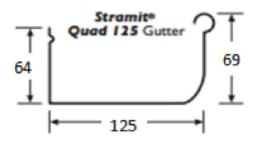
Email: info@hecardconsult.com.au Web: www.hecardconsult.com.au

2 GENERAL NOTES SOHAIL MURAD 05/03/2025 Chij Shrestha MIEAust, CPEng, NER ved By: C.L.A Job No: SW 032-2502 Proposed Development at as shown (A3) 35. KATHLEEN STREET, WILEY PARK, NSW Sheet No: 2 OF 10

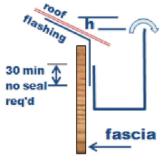


#### FLOOR DRAINAGE SYSTEM (FIRST FLOOR)

SCALE - 1:200

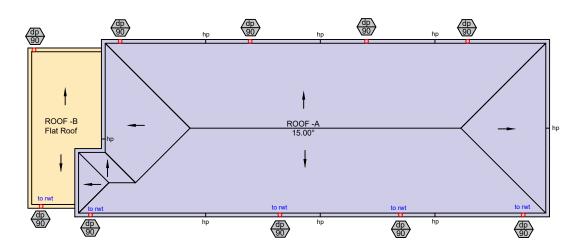


RECOMMENDED GUTTER = Stramit Quad 125 Unslotted NSW; Area = 6200 mm<sup>2</sup> OR EQUIVALENT SHOULD BE USED



Overflow over the front with flashing

REQUIRED SETDOWN (h) FOR 1% AEP GUTTER OVERFLOW = 25 mm



#### **STORMWATER MANAGEMENT PLAN (ROOF)**

scale 1:200

Α	ISSUED FOR D.A	CS	05/03/2025
Rev	Description	Ву	Date

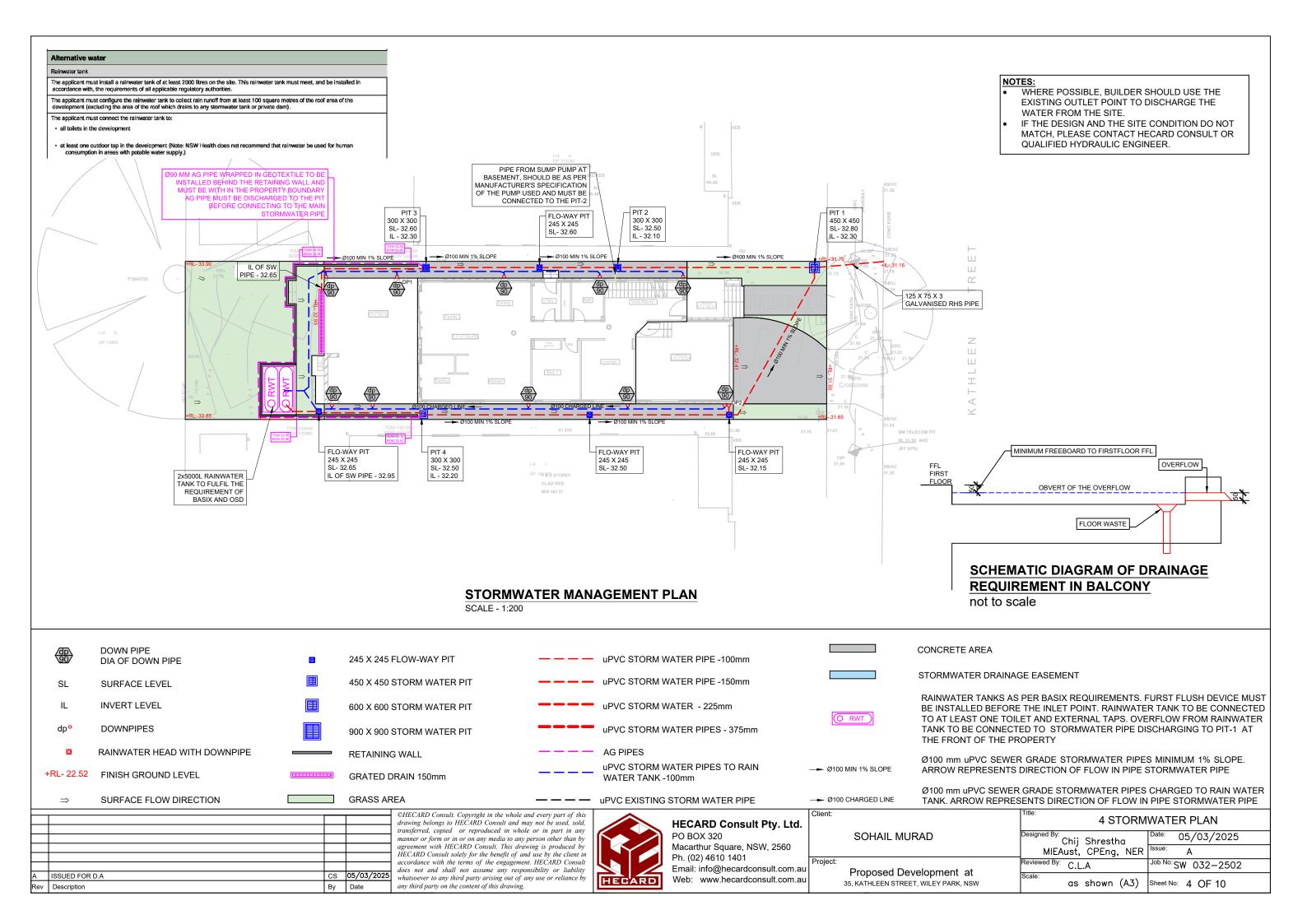
©HECARD Consult. Copyright in the whole and every part of this drawing belongs to HECARD Consult and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in or on any media to any person other than by agreement with HECARD Consult. This drawing is produced by HECARD Consult solely for the benefit of and use by the client in accordance with the terms of the engagement. HECARD Consult does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by any third party on the content of this drawing.



HECARD Consult Pty. Ltd.
PO BOX 320
Macarthur Square, NSW, 2560
Ph. (02) 4610 1401

Email: info@hecardconsult.com.au Web: www.hecardconsult.com.au

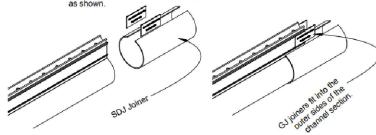
Client:			GUTTER CALC
	SOHAIL MURAD	Designed By: Chij Shrestha	Date: 05/03/2025
		MIEAusť, CPEng, NE	R Issue: A
Project:	Proposed Development at	Reviewed By: C.L.A	<sup>Job No:</sup> SW 032-2502
	35, KATHLEEN STREET, WILEY PARK, NSW	<sup>Scale:</sup> as shown (A3)	Sheet No: 3 OF 10





## SD90 Slot Drain Assembly

For connecting straight runs of SD90 us the SDJ straight connector collar, and one pair of GJ joiners



When joining the SD90 around a corner use a standard 90mm elbow.

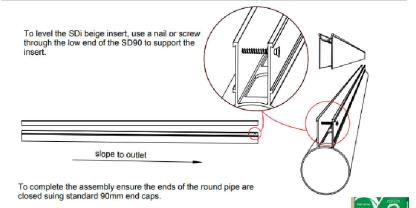
Shown here is a 90 degree corner Cut the channel section from the round pipe section back by about 50mm. This will allow the SD90 to fit inside the elbow fitting.

To complete the top slot, simply use the SDi beige insert to form a channel section over the elbow. Water entering this will run into the first slot either side.

DOWN PIPE

DIA OF DOWN PIPE

SURFACE LEVEL



e info@stormtech.com.au, w www.stormtech.com.au

PUMP OUT SUMP UNDER THE STAIR SLOT DRAIN SD90 OR EQUIVALENT SLOT DRAINS TO BE INSTALLED AROUND THE INTERNAL PERIMETER OF THE BASEMENT STORE Ø100 mm AG PIPE WRAPPED IN GEOTEXTILE TO BE INSTALLED BEHIND THE BASEMENT WALL 

#### STORMWATER MANAGEMENT PLAN (BASEMENT)

- uPVC STORM WATER PIPE -100mm

uPVC STORM WATER PIPE -150mm

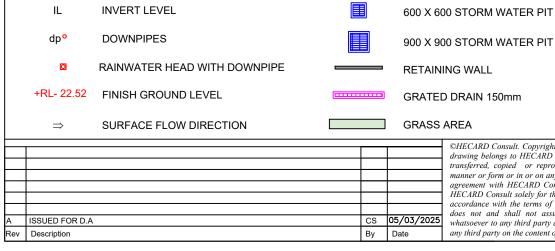
uPVC STORM WATER - 225mm

WATER TANK -100mm

uPVC STORM WATER PIPES - 375mm

uPVC STORM WATER PIPES TO RAIN

SCALE - 1:200



— — — uPVC EXISTING STORM WATER PIPE ©HECARD Consult. Copyright in the whole and every part of this drawing belongs to HECARD Consult and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in or on any media to any person other than by agreement with HECARD Consult. This drawing is produced by HECARD Consult solely for the benefit of and use by the client in accordance with the terms of the engagement. HECARD Consult does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by any third party on the content of this drawing

245 X 245 FLOW-WAY PIT

450 X 450 STORM WATER PIT



AG PIPES

**HECARD Consult Pty. Ltd.** PO BOX 320 Macarthur Square, NSW, 2560

Ph. (02) 4610 1401 Email: info@hecardconsult.com.au Web: www.hecardconsult.com.au

CONCRETE	AREA

O RWT

— Ø100 MIN 1% SLOPE

→ Ø100 CHARGED LINE

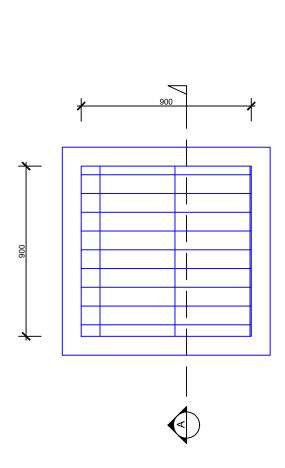
STORMWATER DRAINAGE EASEMENT

RAINWATER TANKS AS PER BASIX REQUIREMENTS. FURST FLUSH DEVICE MUS BE INSTALLED BEFORE THE INLET POINT. RAINWATER TANK TO BE CONNECTE TO AT LEAST ONE TOILET AND EXTERNAL TAPS. OVERFLOW FROM RAINWATER TANK TO BE CONNECTED TO STORMWATER PIPE DISCHARGING TO PIT-1 AT THE FRONT OF THE PROPERTY

Ø100 mm uPVC SEWER GRADE STORMWATER PIPES MINIMUM 1% SLOPE. ARROW REPRESENTS DIRECTION OF FLOW IN PIPE STORMWATER PIPE

Ø100 mm uPVC SEWER GRADE STORMWATER PIPES CHARGED TO RAIN WATER TANK. ARROW REPRESENTS DIRECTION OF FLOW IN PIPE STORMWATER PIPE

ient:	5 STORMWATER	PLAN (BASEMENT)
SOHAIL MURAD	l ~ ´ Chii Shrestha	Date: 05/03/2025
	MIEAusť, CPEng, NER	Issue: A
roject: Proposed Development at	Reviewed By: C.L.A	Job No: SW 032-2502
35, KATHLEEN STREET, WILEY PARK, NSW	Scale: as shown (A3)	Sheet No: 5 OF 10





| CHE | draw trans | man | agre | HEC | according to | Medical part | Medical par

©HECARD Consult. Copyright in the whole and every part of this drawing belongs to HECARD Consult and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in or on any media to any person other than by agreement with HECARD Consult. This drawing is produced by HECARD Consult solely for the benefit of and use by the client in accordance with the terms of the engagement. HECARD Consult does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by any third party on the content of this drawing.



#### HECARD Consult Pty. Ltd. PO BOX 320 Macarthur Square, NSW, 2560

Macarthur Square, NSW, 2560 Ph. (02) 4610 1401 Email: info@hecardconsult.com.a Web: www.hecardconsult.com.a

.,		
2560		
ılt.com.au ılt.com.au	Project:	

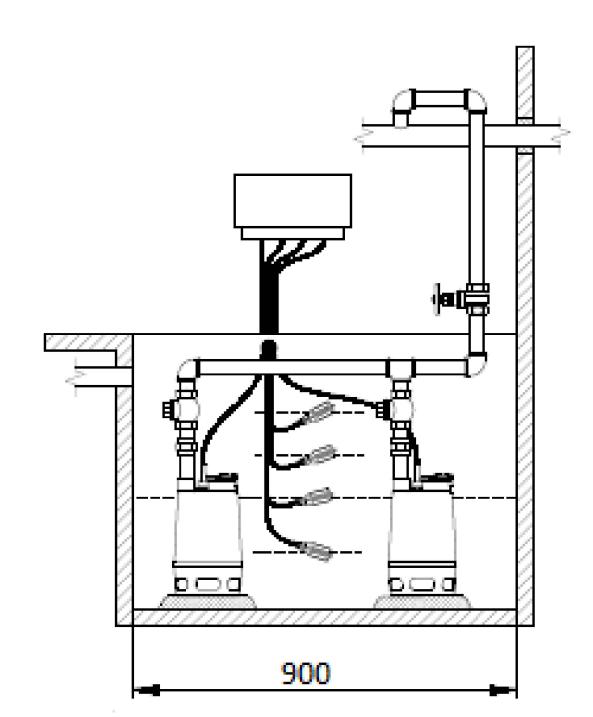
nt:		6 PUMP SUMP TANK	
	SOHAIL MURAD	Designed By: Chij Shrestha Date: 05/03/2025	
		MIEAust, CPEng, NER Issue: A	
ect:	Proposed Development at	Reviewed By: C.L.A Job No: SW 032-2502	
	35, KATHLEEN STREET, WILEY PARK, NSW	Scale: as shown (A3) Sheet No: 6 OF 10	

SUBMIRSIBLE PUMP IN THE SUMP TANK. WATER TO PUMP OUT TO KERB

PUMP TYPE:
UNILIFT CC 7 OR
EQUIVALENT SHOULD BE
INSTALLED ACCORDING
TO MANUFACTURER'S

SPECIFICATION.

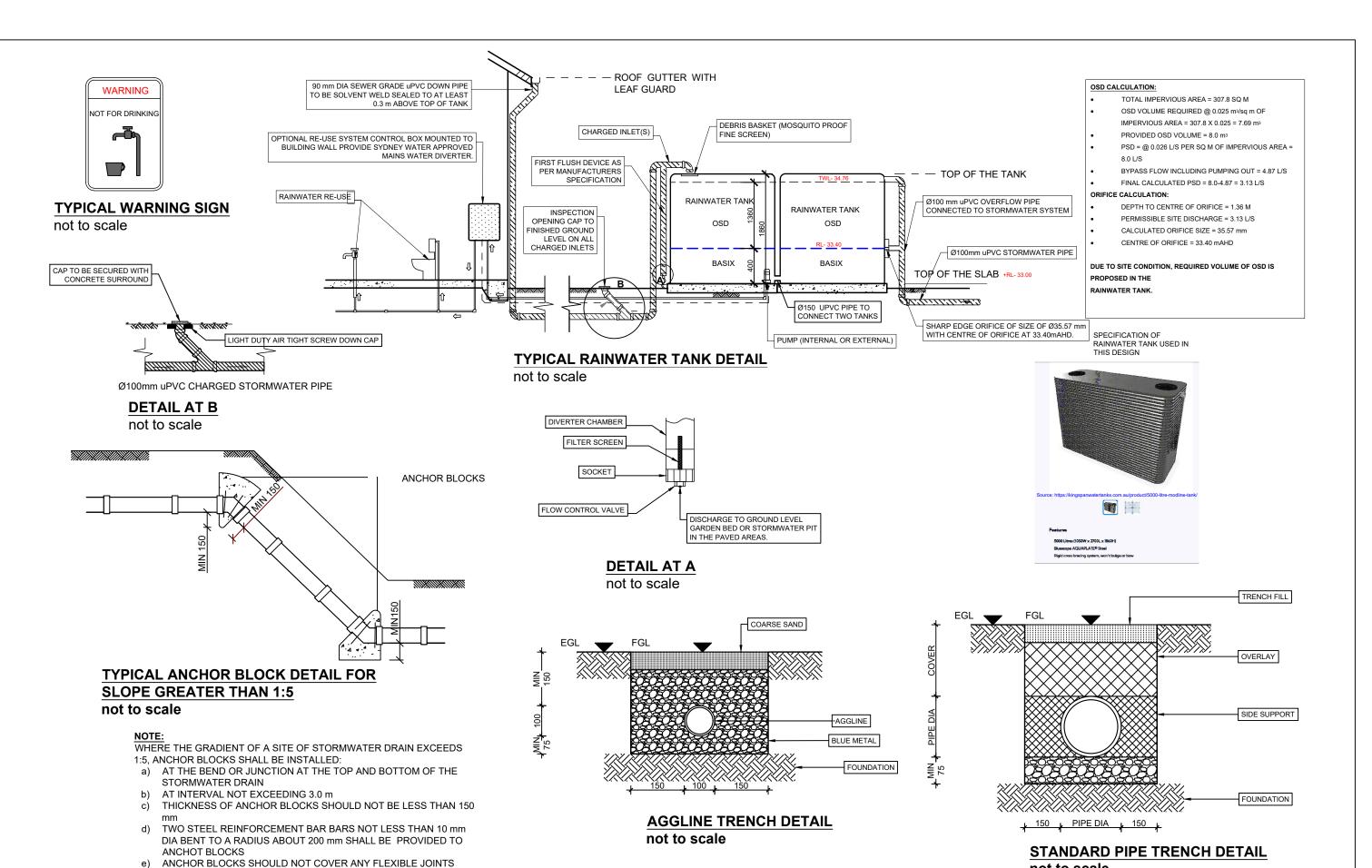
OUTLET



Two-pump installation with four float switches

### SECTION A

scale : nts



ISSUED FOR D.A CS 05/03/2025 Description Ву Date

©HECARD Consult. Copyright in the whole and every part of this drawing belongs to HECARD Consult and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in or on any media to any person other than by agreement with HECARD Consult. This drawing is produced by HECARD Consult solely for the benefit of and use by the client in accordance with the terms of the engagement. HECARD Consult does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by any third party on the content of this drawing

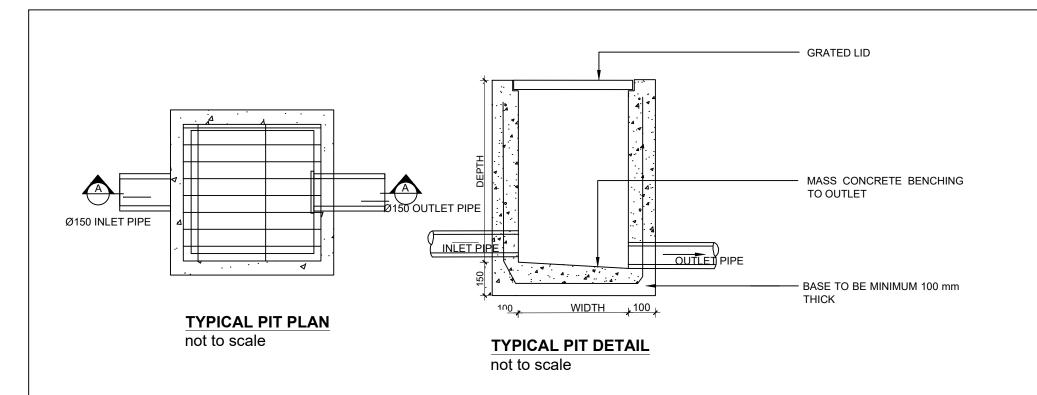


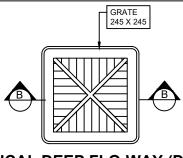
#### **HECARD Consult Pty. Ltd.** PO BOX 320

PO BOX 320	
Macarthur Square, NSW, 2560	
Ph. (02) 4610 1401	Project:
Email: info@hecardconsult.com.au	i rojoot.
Web: www.hecardconsult.com.au	

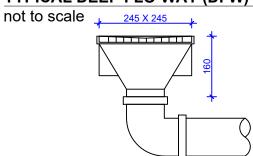
	not to scale	
nt:	Title:	7 RAIN WATER T
	Darding at Day	ID-4

Client:	Title: 7 RAIN WATE	R TANK DETAIL
SOHAIL MURAD	Designed By: Chij Shrestha	Date: 05/03/2025
	MIEAusť, CPEng, NER	Issue: A
Project: Proposed Development at	Reviewed By: C.L.A	Job No: SW 032-2502
35, KATHLEEN STREET, WILEY PARK, NSW	Scale: as shown (A3)	Sheet No: 7 OF 10



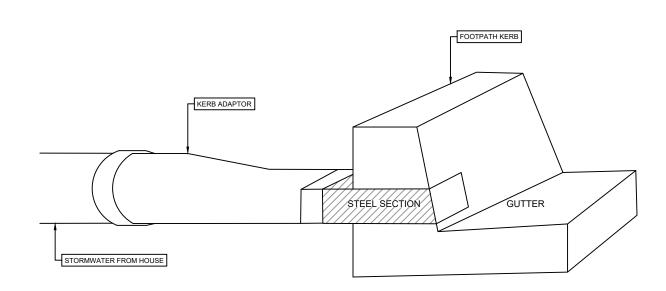


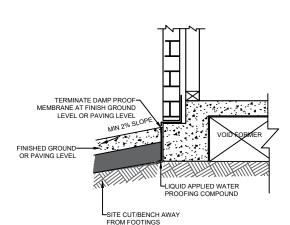
#### TYPICAL DEEP FLO-WAY (DFW) PIT PLAN



## TYPICAL DEEP FLO-WAY (DFW) PIT SECTION (B-B)

not to scale





# TYPICAL DETAIL OF FINISHED GROUND AROUND THE BUILDING FOOTPRINT

NOT TO SCALE

STORMWATER PIPE

SUITABLE AREA FOR EXCAVATION IN ACCORDANCE WITH EMBANKMENT SLOPE RATIO H: L AS SHOWN IN TABLE BELOW

UN-RETAINED EMBANKMENT SLOPE RATIOS

Soil class

(see Part 3.2.4 for material description)

(maximum embankment slope ratio, angle of site cut H:L Note 1)

Stable rock (Class A)

8.1

2.3

# EXCAVATION FOR DRAINS ADJACENT TO FOOTINGS

1:2

NOT TO SCALE

Sand (Class A)

Firm clay (Class M-E)

Soft clay (Class M-E)

#### STREET KERB CONFIGURATION DETAIL (IF REQD)

not to scale

Α	ISSUED FOR D.A	CS	05/03/2025
Rev	Description	Ву	Date

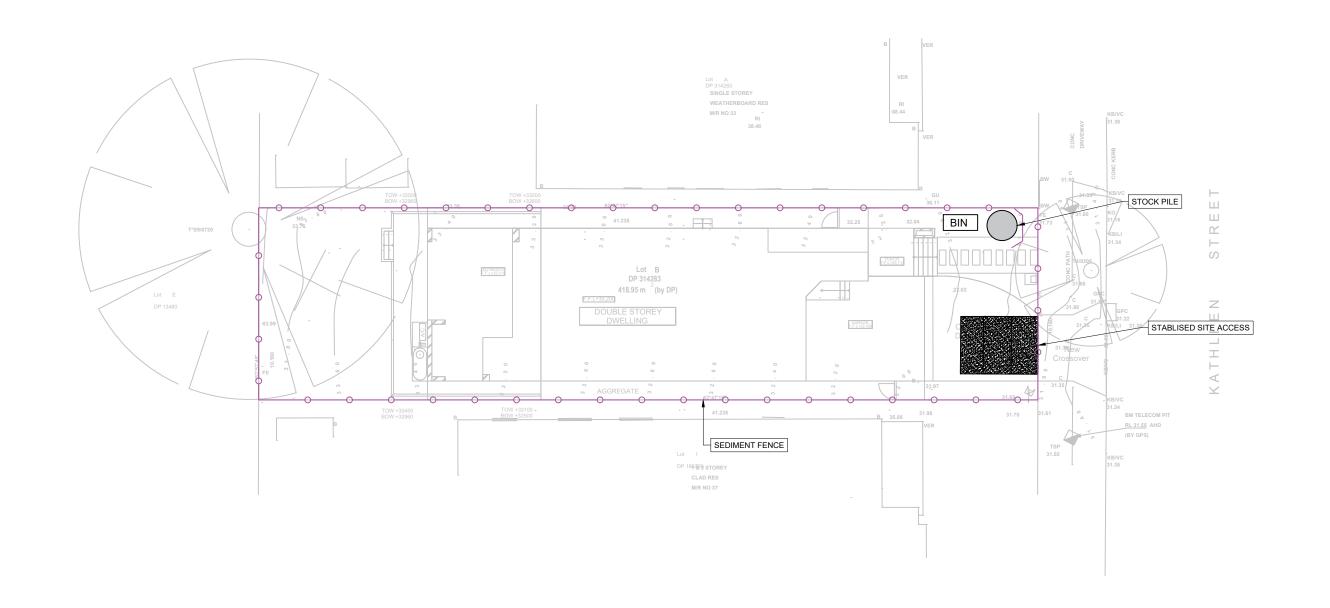
©HECARD Consult. Copyright in the whole and every part of this drawing belongs to HECARD Consult and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in or on any media to any person other than by agreement with HECARD Consult. This drawing is produced by HECARD Consult solely for the benefit of and use by the client in accordance with the terms of the engagement. HECARD Consult does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by any third party on the content of this drawing.



HECARD Consult Pty. Ltd. PO BOX 320 Macarthur Square, NSW, 2560 Ph. (02) 4610 1401

Email: info@hecardconsult.com.au Web: www.hecardconsult.com.au

Client:	8 PIT AND KERB CO	ONNECTION DETAIL
SOHAIL MURAD	Designed By: Chij Shrestha	Date: 05/03/2025
	MIEAusť, CPEng, NER	Issue: A
Project: Proposed Development at	Reviewed By: C.L.A	Job No: SW 032-2502
35, KATHLEEN STREET, WILEY PARK, NSW	Scale: as shown (A3)	Sheet No: 8 OF 10



#### **EROSION AND SEDIMENT CONTROL PLAN**

scale 1:200

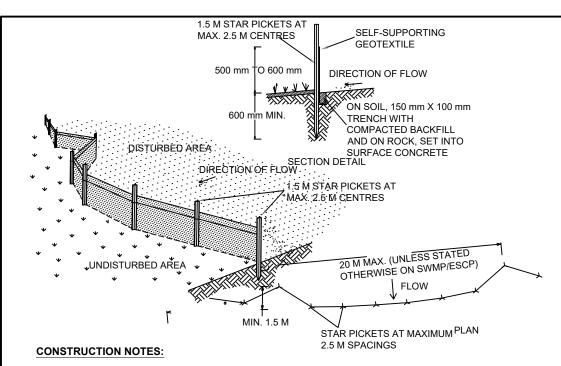
Α	ISSUED FOR D.A	CS	05/03/2025		
Rev	Description	Ву	Date		

©HECARD Consult. Copyright in the whole and every part of this drawing belongs to HECARD Consult and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in or on any media to any person other than by agreement with HECARD Consult. This drawing is produced by HECARD Consult solely for the benefit of and use by the client in accordance with the terms of the engagement. HECARD Consult does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by any third party on the content of this drawing.



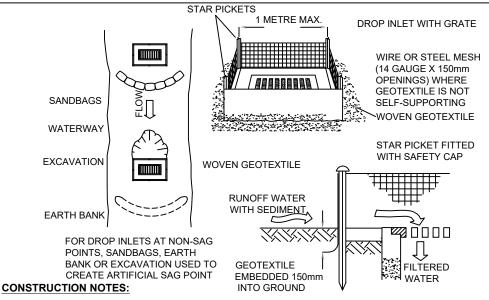
**HECARD Consult Pty. Ltd.** PO BOX 320 Macarthur Square, NSW, 2560 Ph. (02) 4610 1401 Email: info@hecardconsult.com.au

Client:	9 EROSION & SEDIMENT CONTROL PLAN			
SOHAIL MURAD	Designed By: Chij Shrestha Date: 05/03/2025			
	MIEAust, CPEng, NER   Issue: A			
Project: Proposed Development at	Reviewed By: C.L.A Job No: SW 032-2502			
35, KATHLEEN STREET, WILEY PARK, NSW	Scale: as shown (A3) Sheet No: 9 OF 10			



- 1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALI RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORMEVENT **USUALLY THE 10 YEAR EVENT**
- 2. CUT A 150 MM DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED
- 3. DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS
- 4. FIX SELF SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOF SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY
- JOIN SECTIONS OF FABRIC AT THE SUPPORT POST WITH A 150 MM OPERLAP
- BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

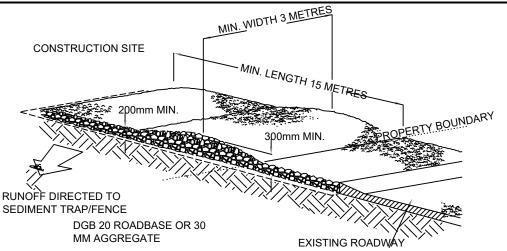
SEDIMENT FENCE SD 6-8



- 1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES
- 2. FOLLOW THE INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOFABRIC. REDUCE THE PICKET SPACING TO 1 METER CENTRES
- 3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING
- 4. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL

#### GEOTEXTILE INLET FILTER

SD 6-12



GEOTEXTILE FABRIC DESIGNED TO PREVENT INTERMIXING OF SUBGRADE AND BASE MATERIALS AND TO MAINTAIN GOOD PROPERTIES OF THE SUB-BASE LAYERS. GEOFABRIC MAY BE A WOVEN OR NEEDLE-PUNCHED PRODUCT WITH A MINIMUM CBR BURST STRENGTH (AS3706.4-90) OF 2500 N

- 1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE
- COVER THE AREA WITH NEEDLE PUNCHED GEOTEXTILE
- CONSTRUCT A 200 MM THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30 MM AGGREGATE
- 4. ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE
- 5. WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS. CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE

#### STABILISED SITE ACCESS

SD 6-14

Α	ISSUED FOR D.A	CS	05/03/202
Rev	Description	Ву	Date

©HECARD Consult. Copyright in the whole and every part of this drawing belongs to HECARD Consult and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in or on any media to any person other than by nent with HECARD Consult. This drawing is produced by HECARD Consult solely for the benefit of and use by the client in accordance with the terms of the engagement. HECARD Consult does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by ony third party on the content of this drawing



**HECARD Consult Pty. Ltd.** PO BOX 320

Web: www.hecardconsult.com.au

Macarthur Square, NSW, 2560 Ph. (02) 4610 1401 Email: info@hecardconsult.com.au

Proposed 35, KATHLEEN

	10 EROSION & SEDIM	ENT CONTROL DETAI
SOHAIL MURAD	Designed By: Chij Shrestha	Date: 05/03/2025
	MIEAust, CPEng, NER	
Proposed Development at	Reviewed By: C.L.A	Job No: SW 032-2502
5. KATHLEEN STREET, WILEY PARK, NSW	Scale: as shown (A3)	Sheet No: 10 OF 10