11 FLORENCE TERRACE | SCOTLAND ISLAND

DEVELOPMENT APPLICATION FOR ALTERATIONS AND ADDITIONS TO A DWELLING HOUSE

STORMWATER DRAWINGS

NOVEMBER 2024

M 0410 491 416
ABN 75155117516
NOM ARCH CHRIS HAUGHTON NSW 6727

SHED

STORMWATER SYSTEM DESIGN
ALL STORMWATER WORK TO BE IN ACCORDANCE WITH NORTHEN BEACHES COUNCIL WATER MANAGEMENT FOR DEVELOPMENT POLICY VERSION 2 (20 02 21)

ALL STORMWATER WORK TO BE IN ACCORDANCE WITH AS/NZ 3500.3

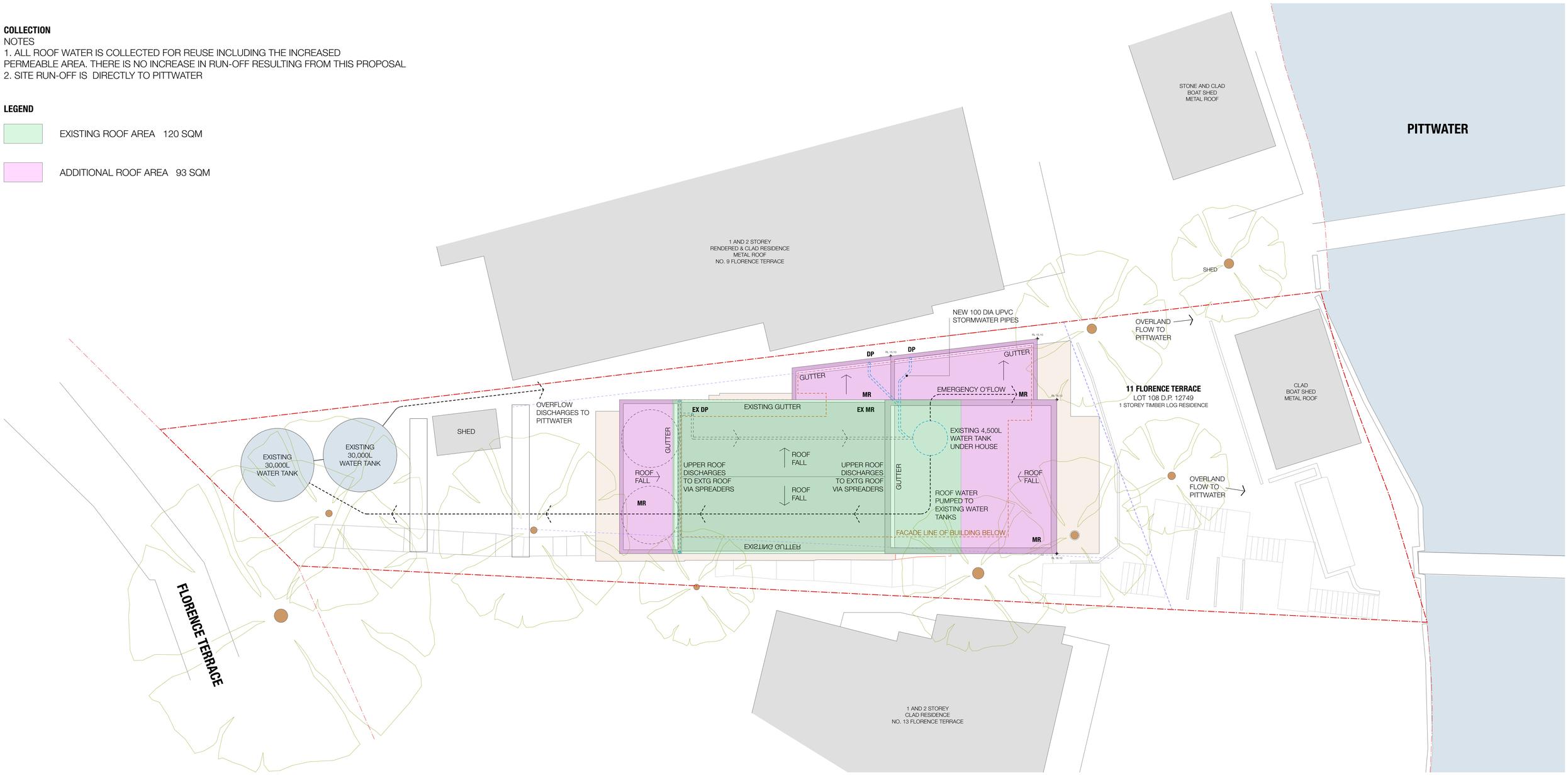
RAINWATER TANKS
NORTHERN BEACHES COUNCIL WATER MANAGEMENT FOR DEVELOPMENT POLICY (CLAUSE 7.2)
REQUIRES 45,000L RWT VOLUME
VOLUME OF EXISTING RWT
2 @ 30,000 L
1 @ 4,500 L
64,500 L TOTAL
NO REQUIREMENT FOR ANY ADDITIONAL VOLUME

COLLECTION
NOTES
1. ALL ROOF WATER IS COLLECTED FOR REUSE INCLUDING THE INCREASED PERMEABLE AREA. THERE IS NO INCREASE IN RUN-OFF RESULTING FROM THIS PROPOSAL
2. SITE RUN-OFF IS DIRECTLY TO PITTWATER

LEGEND

EXISTING ROOF AREA 120 SQM

ADDITIONAL ROOF AREA 93 SQM



REVISION	DATE OF ISSUE	STATUS	AMENDMENTS
A	OCT 24		

PROJECT	11 FLORENCE TCE | SCOTLAND ISLAND
STAGE	DA
CLIENT	JAMES WISH
DESIGNED BY	SHED
DRAWN BY	SHED
CHECKED BY	CH

SCALE
1:100

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DRAWING TITLE
STORMWATER MANAGEMENT PLAN

DRAWING NO.
2401 - DA 701 A

M 0410 491 416
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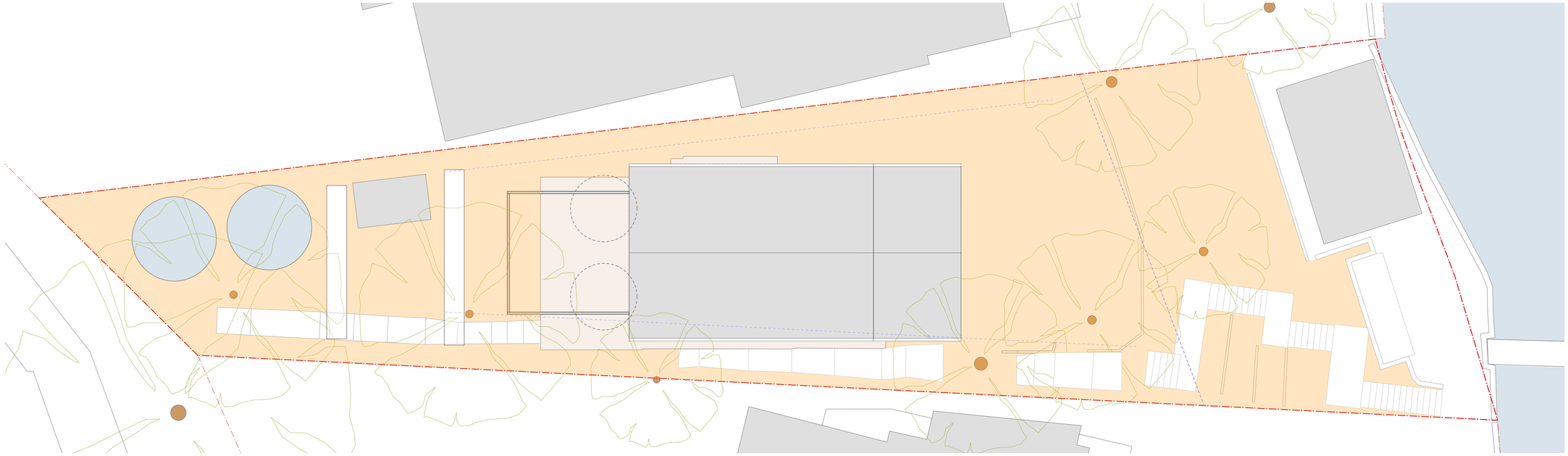
PRE-DEVELOPMENT CATCHMENT AREAS

REGION 1 - NORTHERN CATCHMENT

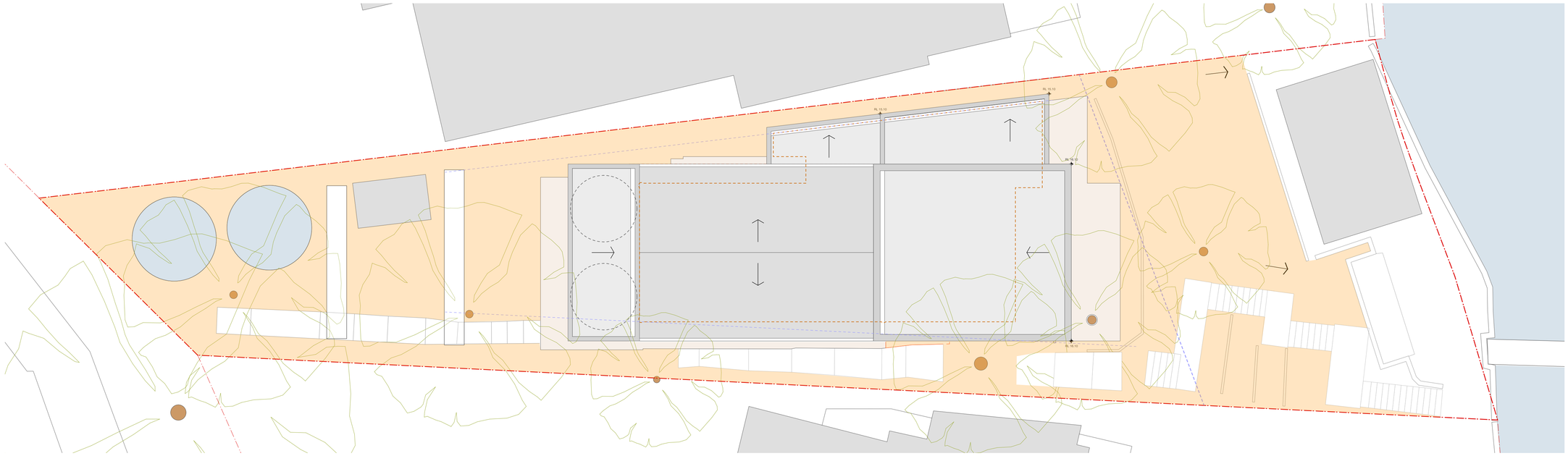
IMPERVIOUS AREA = 351.06 SQM
PERVIOUS AREA = 382.50 SQM
TOTAL SITE AREA = 733.56 SQM



POST-DEVELOPMENT CATCHMENT AREAS

REGION 1 - NORTHERN CATCHMENT

IMPERVIOUS AREA = 444.32 SQM
PERVIOUS AREA = 289.24 SQM
TOTAL SITE AREA = 733.56 SQM



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STORMWATER CATCHMENT AREAS

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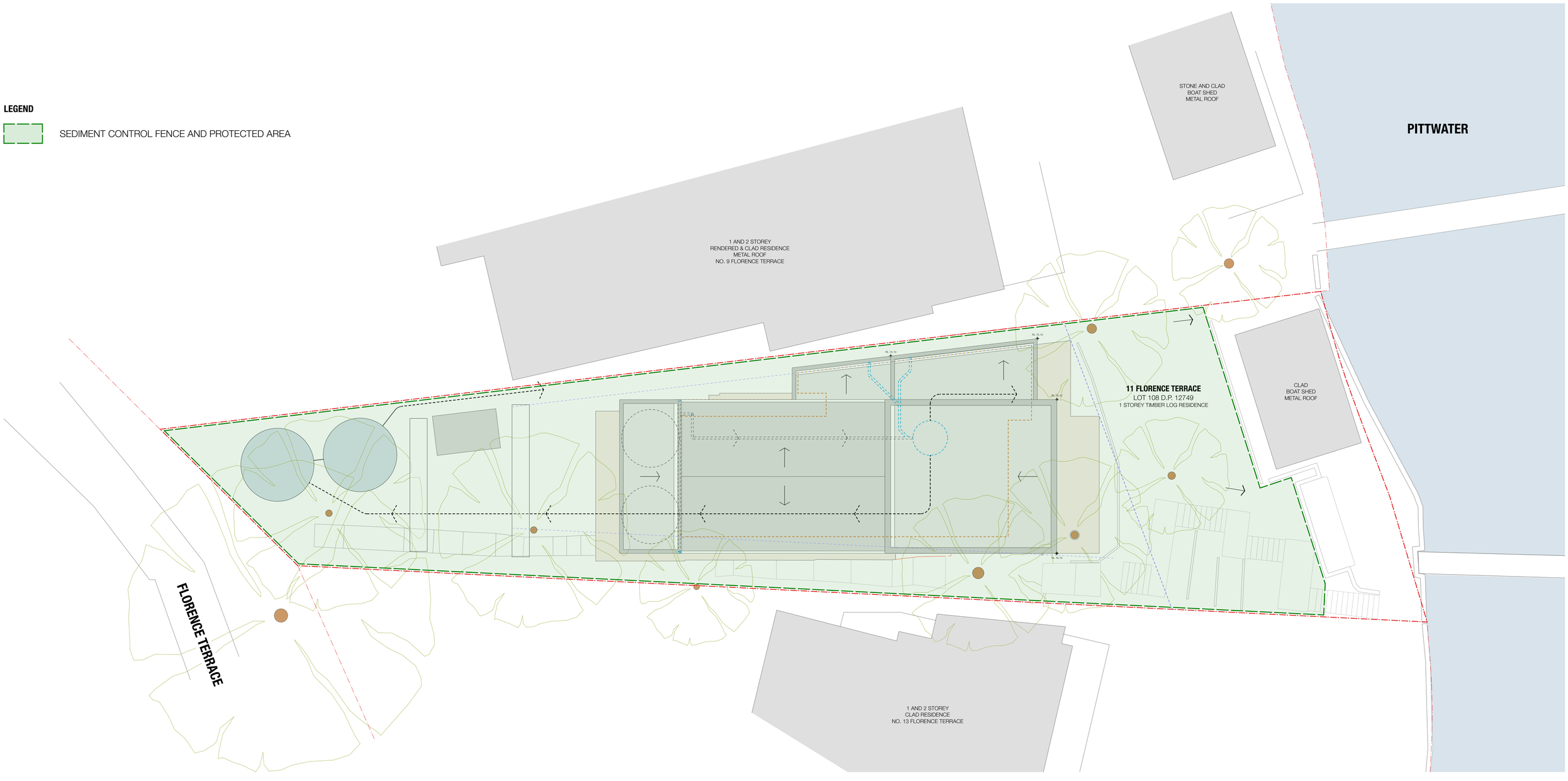
LEGEND

SEDIMENT CONTROL FENCE AND PROTECTED AREA



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EROSION AND SEDIMENT CONTROL PLAN

DRAWING NO.

2401 - DA 703 A

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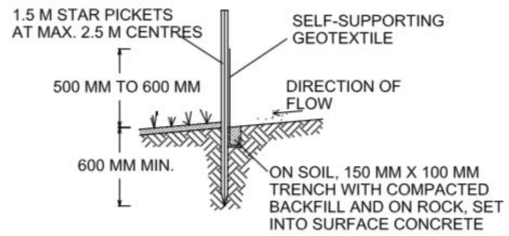
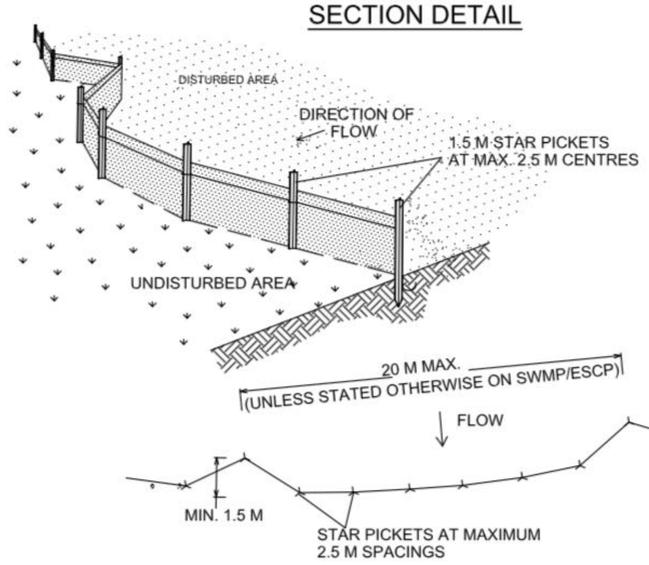


SECTION DETAIL



SEDIMENT FENCE

CONSTRUCTION NOTES:

PLAN

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL 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 STORM EVENT, 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 WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150-MM OVERLAP.
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

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EROSION AND SEDIMENT CONTROL DETAILS

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