

PROVIDE STRAMIT 150 HALF
ROUND EAVES GUTTERS OR
APPROVED EQUIVALENT
7700mm² (MIN) EAVES GUTTER

PROVIDE Ø100
DOWNPIPE (TYP)

PROVIDE 100 WIDE GAP IN
HOB TO BALCONY FOR
PROVISION OF EMERGENCY
OVERFLOW (TYP)

PROVIDE 200 SQ. INLET
TRAY TO BALCONY
AREAS (TYP)

PROVIDE SPREADER FOR DISCHARGE
OF RUNOFF FROM UPPER TO LOWER
ROOF AREA (TYP)

NOTE: CHECK & LOCATE DEPTH OF
EXISTING MAINS & SERVICES PRIOR
TO CONSTRUCTION OF STORMWATER
SYSTEM AS VARIATIONS IN POSITION
OF MAINS COULD AFFECT DRAINAGE
CONSTRUCTION DETAILS

EXISTING 100 WIDE
GRATED DRAIN

DENOTES EXISTING
DOWNPIPE (TYP)

SECURE DRAINAGE LINES TO
UNDERSIDE OF FLOOR STRUCTURE
AS NECESSARY FOR CONNECTION
TO SITE DRAINAGE SYSTEM (TYP)

NOTE: PLUMBER TO PERFORM WATER TESTING OF EXISTING
PIPED SYSTEM TO DETERMINE CAPACITY AND STATE OF
REPAIR. PLUMBER TO INSPECT & REPAIR DAMAGED SECTIONS
OF EXISTING PIPE (INCLUDING DOWNPIPES) AS NECESSARY OR
PROVIDE NEW DRAINAGE LINES WHERE NECESSARY SUBJECT
TO THE APPROVAL BY THE SUPERVISING ENGINEER.

REMOVE EXISTING CONCRETE
BIN SLAB AND REPLACE WITH
TURF TO REDUCE SITE
IMPERVIOUS AREA

450 SQ. BOUNDARY PIT
GRATE R.L. - 35.65
INVERT TO SUIT EXISTING SITE
DRAINAGE SYSTEM WITH TRASH
SCREEN FOR POLLUTION
CONTROL & 200 DEEP SUMP

PROVIDE 2/Ø100 P.V.C.
OUTLETS TO KERB AT
1% MIN. AND 150mm APART

BENCHMARK NAIL
IN BITUMEN
R.L. 34.08 (A.H.D.)

DOLPHIN CRESCENT

SITE DRAINAGE PLAN
SCALE 1:100

TRASH SCREEN FROM
LYSAGHT'S RH3030 MAXI
MESH (H.D. GALV.)
WITH LIFTING HANDLE

INLET FROM EXISTING
SITE DRAINAGE

AGGREGATE BED
IN GEOTEXTILE
FILTER FABRIC

BOUNDARY

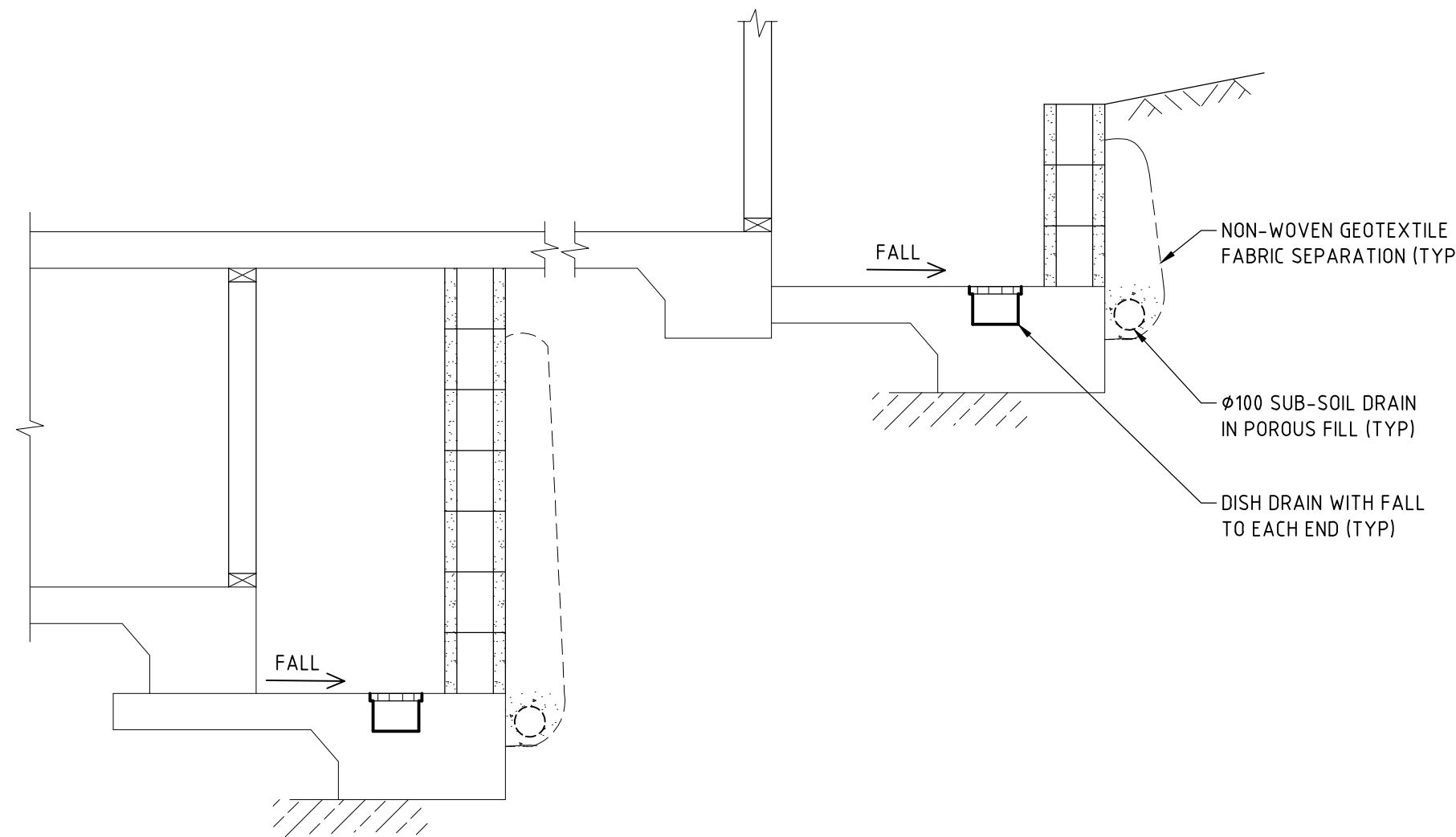
2/Ø100 P.V.C. OUTLET
PIPE TO KERB & GUTTER

3/Ø20 WEEP HOLES
TO RUBBLE BED

DETAIL

SCALE 1:10

TYPICAL BOUNDARY PIT DETAIL WITH
POLLUTION CONTROL MEASURE



SECTION

SCALE 1:20

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DRAINAGE NOTES

- + DENOTES EXISTING GROUND LEVEL
- FALL STORMWATER PIPES AT 1% MIN. UNLESS OTHERWISE NOTED.
- SUB-SOIL DRAINAGE TO BE CONNECTED TO THE SITE DRAINAGE SYSTEM AS NECESSARY.
- SURFACE GRATES 300 SQ. UNLESS OTHERWISE NOTED.
- ALL STORMWATER PIPES TO HAVE SOLVENT CEMENT WATERTIGHT JOINTS.
- CHECK & LOCATE DEPTH OF EXISTING MAINS & SERVICES PRIOR TO CONSTRUCTION OF STORMWATER SYSTEM AS VARIATIONS IN POSITION OF MAINS COULD AFFECT DRAINAGE CONSTRUCTION DETAILS.
- INSPECTIONS MUST BE UNDERTAKEN BY THIS OFFICE (BY PRIOR ARRANGEMENT WITH ENGINEER) DURING CONSTRUCTION TO ENABLE FULL CERTIFICATION UPON COMPLETION OF WORKS.
- ALL CONSTRUCTION OF COUNCIL DRAINAGE WORKS TO COMPLY WITH COUNCIL STANDARD.
- REMOVE REDUNDANT DRAINAGE PITS AND SEAL PIPES.
- PIT BENCHING TO BE HALF THE OUTGOING PIPE DIAMETER. CONCRETE FOR BENCHING TO BE 20 MPa MASS CONCRETE.
- APPROVED PRE-CAST PITS MAY BE USED.
- ALL PIPES TO BE LAID ON COMPACTED FINE CRUSHED ROCK OR SAND BEDDING 75mm THICK & PIPES BACKFILLED WITH COMPACTED SAND TO 300mm ABOVE TOP OF PIPE, ELSE ATTACHED TO UNDERSIDE OF STRUCTURE AT 600mm c/c AS NECESSARY.
- PIPE ROUTES SHOWN ARE INDICATIVE ONLY AND SHOULD BE AS NECESSARY ACCORDING TO SITE CONDITIONS, TREE POSITIONS ETC. CONFIRM SIGNIFICANT CHANGES IN PIPES SYSTEM DETAILS WITH SUPERVISING ENGINEER PRIOR TO COMMENCEMENT OF DRAINAGE CONSTRUCTION WORKS.
- CONTRACTOR SHALL ENSURE THAT SERVICES TO BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED. CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS WHERE REQUIRED. ONCE WORKS ARE COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL TEMPORARY SERVICES AND MAKE GOOD ALL DISTURBED AREAS.
- STORMWATER SYSTEM REQUIRES SIGNIFICANT MAINTENANCE DUE TO POTENTIAL HIGH POLLUTANT LOAD. FILTERS AND POLLUTANT TRAPS SHOULD BE CHECKED AFTER LARGE STORM EVENTS AND CLEANED EVERY 6 MONTHS.
- PLUMBING AND DRAINAGE WORKS TO COMPLY WITH AS-3500, THE NATIONAL DRAINAGE & PLUMBING CODE.
- WHERE POSSIBLE, DRAINAGE LINES SHALL BE LAID IN AREAS PREVIOUSLY DISTURBED BY OTHER SITE WORKS AND FOLLOW TOPOGRAPHICAL FEATURES TO REDUCE IMPACT AND AVOID TREE ROOTS.
- THIS STORMWATER MANAGEMENT PLAN HAS BEEN PREPARED FOR SUBMISSION TO COUNCIL/CERTIFIER AND DOES NOT NECESSARILY CONTAIN ALL APPROPRIATE INFORMATION TO ENABLE FOR ISSUE TO PLUMBER/BUILDER FOR CONSTRUCTION. CONTACT TAYLOR CONSULTING FOR MORE INFORMATION.

STORMWATER SYSTEM DESIGN DATA

SITE DATA

SITE AREA = 694.9 m² (100%)
PROPOSED IMPERVIOUS AREA = 376.7 m² (54%)
PROPOSED LANDSCAPED AREA = 318.2 m² (46%)
EXISTING IMPERVIOUS AREA = 329.1 m² (47%)
EXISTING LANDSCAPED AREA = 365.8 m² (53%)

ISSUE DATE	REVISION

TITLE
STORMWATER MANAGEMENT PLAN
61 DOLPHIN CRESCENT, AVALON BEACH

DRAWN
L I
ENGINEER
JPL

DATE
17 APRIL 2023

CHECKED
[Signature]
BE Civil (Hons) MIE Aust.

SCALE @ A1
1:100
1:20
1:10



DRAINAGE NO
STORM-1