

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.

EXISTING 200 SQ. INLET PIT

A UPGRADE BOX GUTTER TO BE 300 WIDE BY 150 DEEP (MIN) WITH FACE TO RAINHEAD

EXISTING RAINHEAD

B 300 SQ. BY 300 DEEP INLET PIT NOTE: ALL PITS TO HAVE 2.0m LONG SUB-SOIL TAIL INLET

PROVIDE STRAMIT 150 HALF ROUND EAVES GUTTERS OR APPROVED EQUIVALENT 1700mm² (MIN) EAVES GUTTER

PROVIDE NEW $\phi 100$ DOWNPIPE (TYP)

C 450 SQ. PIT WITH POLLUTION CONTROL FOR WATER QUALITY

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

A 300 WIDE BY 150 DEEP BOX GUTTER AT 0.5% FALL TO SUMP WITH PROVISION OF EMERGENCY OVERFLOW

A PROVIDE NEW RAINHEAD & DOWNPIPE CONNECTING TO EXISTING

EXISTING 200 SQ. INLET PIT

EXISTING GRATED DRAIN

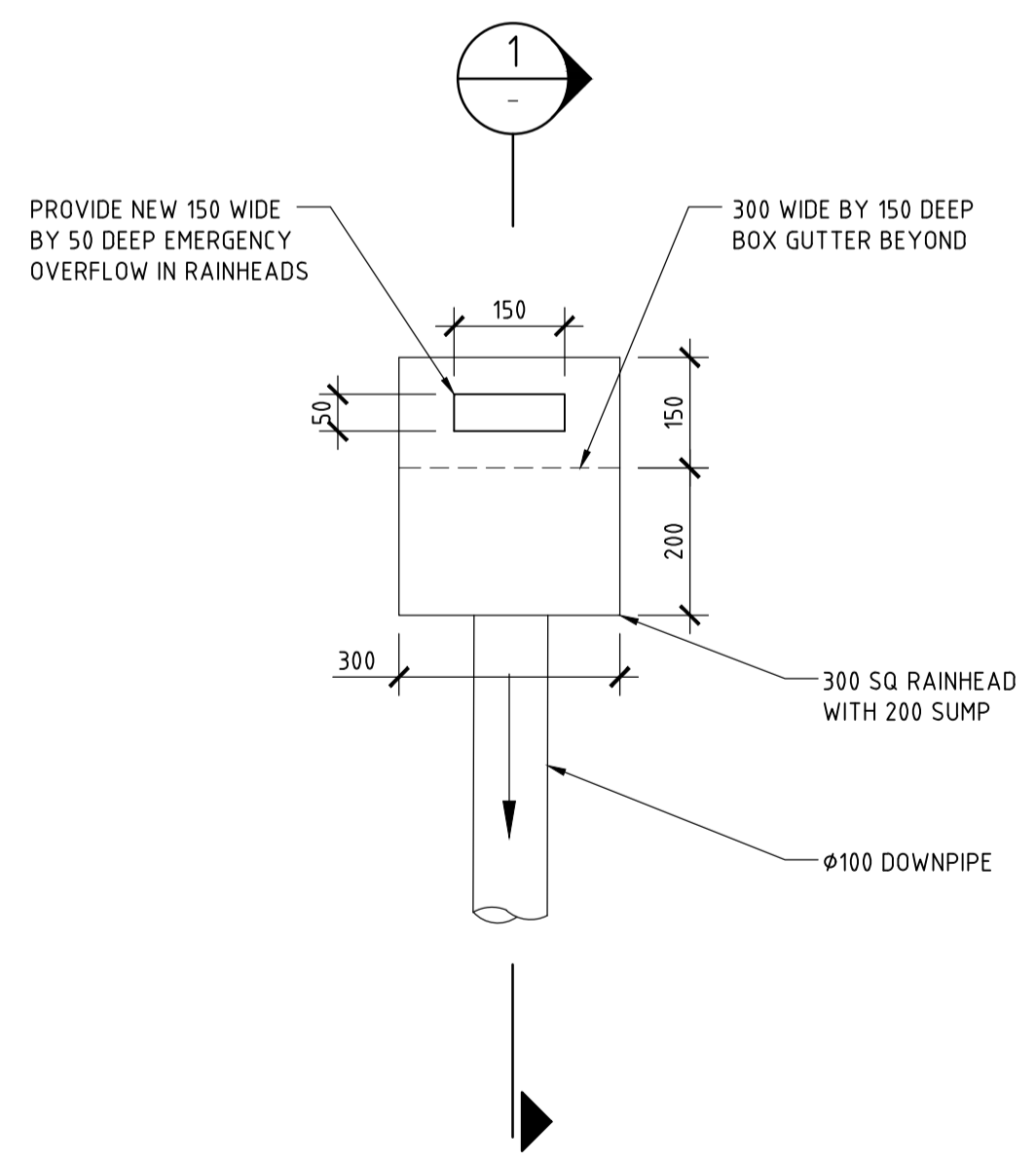
EXISTING 300 SQ. INLET PIT

BENCHMARK NAIL IN TOP OF KERB R.L. 14.93 (A.H.D.)

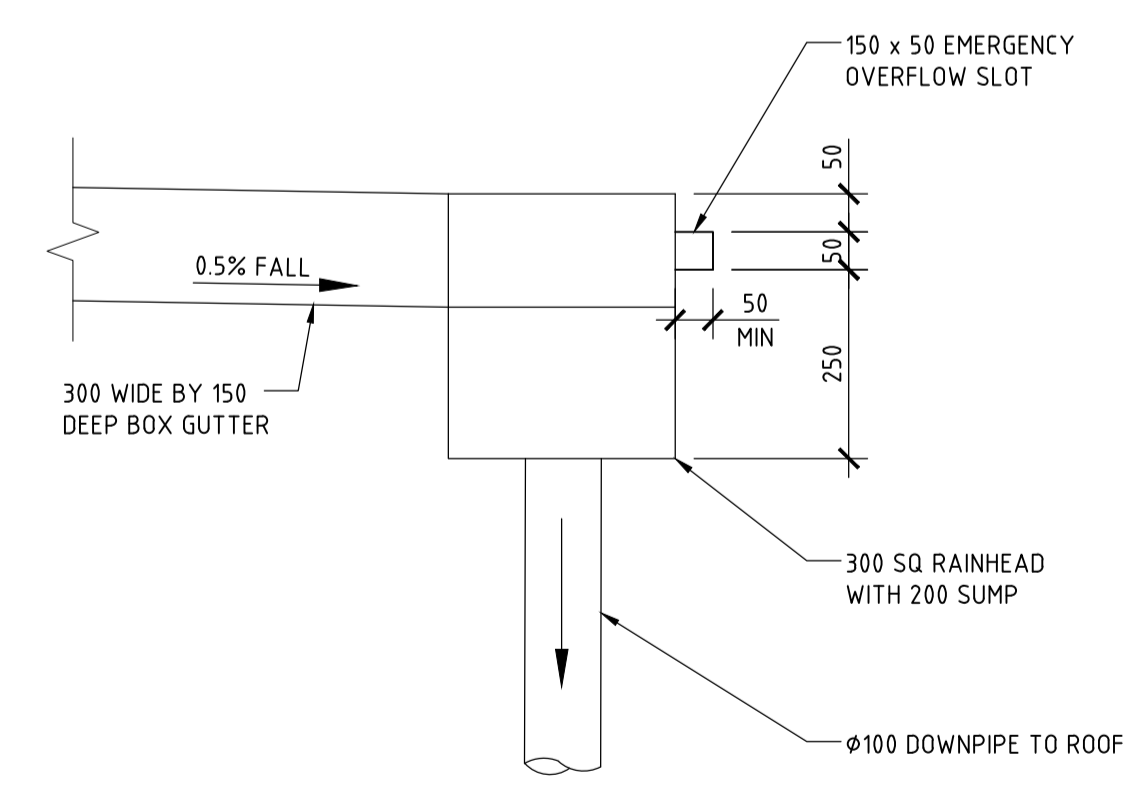
SITE DRAINAGE PLAN
SCALE 1:100

- 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 400mm 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.

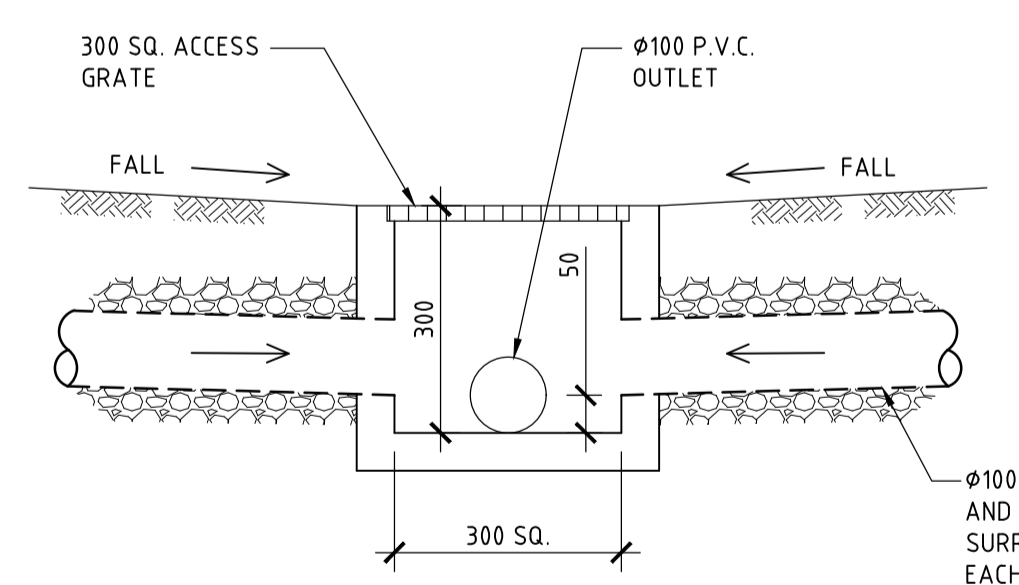
CRESCENT ROAD



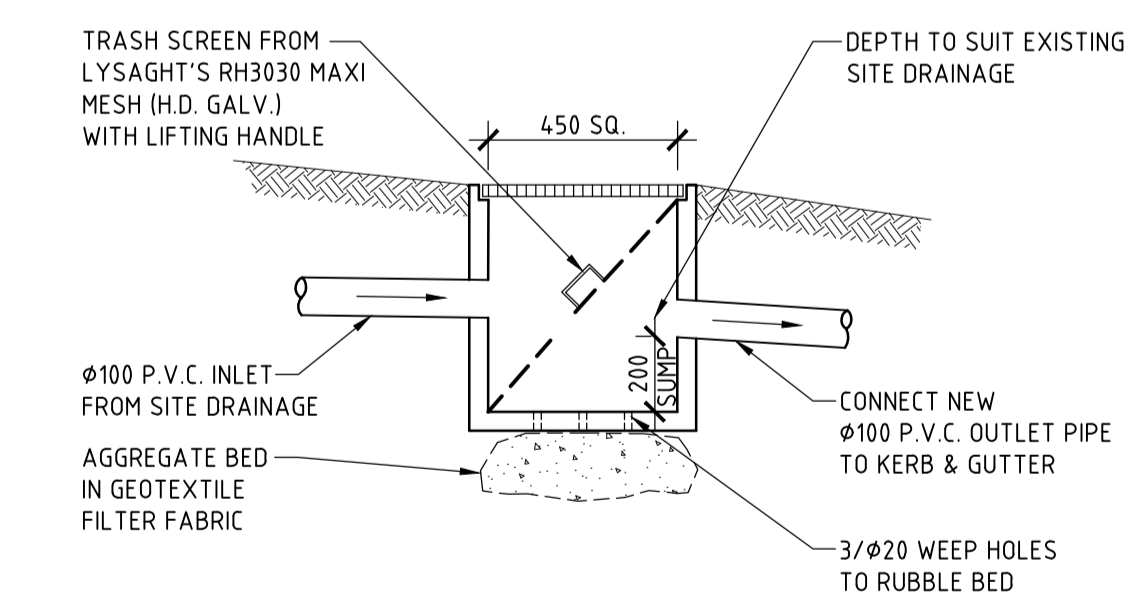
DETAIL A
SCALE 1:10
TYPICAL RAINHEAD DETAIL (OR EQUIVALENT) SHOWING PROVISION FOR EMERGENCY OVERFLOW



SECTION 1
SCALE 1:10



DETAIL B
SCALE 1:10
TYPICAL SURFACE INLET PIT DETAIL



DETAIL C
SCALE 1:20
TYPICAL POLLUTION CONTROL PIT DETAIL

STORMWATER SYSTEM DESIGN DATA

SITE DATA

SITE AREA = 861.1 m ² (100%)
PROPOSED IMPERVIOUS AREA = 489 m ² (57%)
PROPOSED LANDSCAPED AREA = 372.1 m ² (43%)
EXISTING IMPERVIOUS AREA = 477.1 m ² (55%)
EXISTING LANDSCAPED AREA = 384 m ² (45%)

ISSUE DATE	REVISION

TITLE STORMWATER MANAGEMENT PLAN 57 CRESCENT ROAD, NEWPORT			
DRAWN LI	DATE 11 NOVEMBER 2024	CHECKED <i>[Signature]</i>	SCALE @ A1 1:100 1:20 1:10
ENGINEER AS	BE Civil (Hons) MIE Aust.		

DRAWING NO.
STORM-1

TAYLOR CONSULTING
CIVIL & STRUCTURAL ENGINEERS

11 November 2024

General Manager
Northern Beaches Council
725 Pittwater Road
Dee Why NSW 2099

Address of the Project: **57 Crescent Road, Newport**

Description of Project: **Stormwater Management Plan - Alterations and additions**

With reference to the Development Application for the above property, please find enclosed a copy of the site Stormwater Management Plan, **STORM-1**, for your perusal.

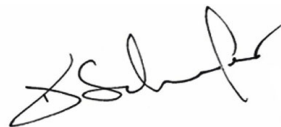
The plan shows the collected flows from the existing and proposed roof areas and existing and proposed hardstand and landscaped areas, being discharged to the kerb and gutter in Crescent Road.

Note that onsite detention is not required in accordance with Section 9.3.1 Onsite Stormwater Disposal Requirements Region 1—of the Northern Beaches Council Water Management For Development Policy.

This is to certify that the Stormwater Management Plan layout, as shown on Plan **STORM-1** by Taylor Consulting Civil & Structural Engineers, has been designed in accordance with section 3.1.2, 'Drainage', of the National Construction Code, AS/NZS 3500.3.2 – Stormwater Drainage, Northern Beaches Council's Pittwater D.C.P. 21 and Northern Beaches Council's Water Management for Development Policy.

Should you require any further information, please contact the undersigned.

Yours faithfully,



D.M.Schaefer - Director
B.E Civil (Hons) M.I.E. Aust. N.E.R.

