

Sanitary Drainage Installation and Pre-Cover Record

Blank project field record | Complete from current approved documents and site observations

Scope

Included: Ordinary building sanitary plumbing/drainage installation records for defined pipe segments, connections and inspection before concealment/backfill where applicable.

Excluded: Design sizing or gradients, universal levels or test criteria, on-site wastewater treatment, trade waste systems, industrial/process piping, gas, fire and public utility networks unless separately scoped and sourced.

Use and project setup

Project field: Project / building / jurisdiction _____

Project field: Drainage drawing / revision _____

Project field: Segment / from-to node IDs _____

Project field: Pipe / joint system _____

Project field: Design levels / criterion ref _____

Project field: Test method / report ref _____

Project field: Pre-cover notice / witness ref _____

Project field: As-built / NCR / disposition refs _____

Before inspection: Approved sanitary drainage plans and schedules — Identify current segment layout, nodes, sizes, levels, interfaces and revision.

Before inspection: Project material and joint submittals — Defines approved components, joint systems and installation requirements.

Before inspection: Project test specification and adopted standard — Supplies local method, acceptance criteria and any required test record; the form has no universal test settings.

Before inspection: Inspection, backfill and notification schedule — Assigns pre-cover checks, notice periods, witness role and any external notification/release.

Before inspection: As-built and nonconformance workflow — Defines required marked-up drawings, photo evidence, repair records and disposition.

How to use

1. Use a separate record for each identifiable segment or project-defined inspection lot; keep different systems and criteria separate.
2. Check current drainage drawing and node-to-node identity, then record actual observed geometry and interfaces against project references.
3. Record test method, values and outcome only from the approved procedure and actual test report; attach the source evidence.
4. Before backfill/concealment, link required inspection/notice, test, repairs, photos and as-built markups.
5. Leave any unclear criterion, missing test or covered uninspected extent open for project disposition.

Important: No gradient, invert tolerance, test method, pressure/head, duration or witness/release rule is prefilled. Confirm the jurisdiction, current approved drawings, project-adopted standard and inspection notice before covering work. WA Bulletin 133 is WA-specific guidance only.

Inspection record

Project: _____ Location / room / element: _____ Lot / area: _____

SD-01 Drainage section identity and approved geometry

What to observe	Drain line/branch ID, upstream/downstream nodes, drawing revision, pipe material/size, design direction and segment limits.
How to check	Trace the installed segment between identified connection points against approved drainage layout and schedule; record design references for any checked levels/grade.
Acceptance basis	Each observation belongs to a defined segment and current drawing; geometry and any numerical criteria are assessed only against project-approved design documents.
Reference to verify	Current approved project drawings, specification, adopted service standard and inspection/test plan; record exact document, revision, clause/detail and affected segment.
Project criterion / actual approved document and revision	_____

Record field	Actual value / reference
Drain line / segment ID	_____
From-to nodes / pit refs	_____
Material / nominal size as scheduled	_____
Drawing / revision / detail	_____
Design levels / criterion source	_____
Result / status (Pass / Fail / N/A / Pending)	
Inspector name / role / date	
Evidence / photo / report reference	
Issue / disposition / recheck evidence and date	

Inspection record

Project: _____ Location / room / element: _____ Lot / area: _____

SD-BED Exposed trench, bedding and pipe support

What to observe	Record trench condition, installed bedding and pipe support before they are concealed, where below-ground work is included.
How to check	Compare exposed work with the approved trench, bedding and embedment detail and relevant product instructions. Identify unstable formation, voids, debris, pipe movement and civil-work interfaces for project disposition.
Acceptance basis	Observed trench support, bedding and embedment correspond to the approved project detail. Material, thickness, cover and compaction requirements come from the actual applicable sources; this record supplies no default value.
Reference to verify	Enter approved drawing/detail and revision, applicable civil or geotechnical specification, and product installation instruction.
Project criterion / actual approved document and revision	_____

Record field	Actual value / reference
Drain run / inspection location	_____
Drawing / bedding detail and revision	_____
Formation condition / groundwater observation	_____
Bedding material and evidence reference	_____
Actual bedding / support observation or measurement and unit	_____
Specified cover / surround criterion source	_____
Civil interface / unresolved defect / reinspection reference	_____
Result / status (Pass / Fail / N/A / Pending)	
Inspector name / role / date	
Evidence / photo / report reference	
Issue / disposition / recheck evidence and date	

Inspection record

Project: _____ Location / room / element: _____ Lot / area: _____

SD-02 Pipe, joint and connection workmanship

What to observe	Pipe/fitting identity, joint type and visible condition, connection orientation, damage, contamination and transition to fixtures or other drains.
How to check	Inspect accessible work and compare joints/fittings with approved product submittal, installation details and method; capture photographs or location references where useful.
Acceptance basis	Installed components and observable joints correspond to the approved project system and are free of unresolved visible damage/defects; this blank form sets no dimensional or joint acceptance limit.
Reference to verify	Current approved project drawings, specification, adopted service standard and inspection/test plan; record exact document, revision, clause/detail and affected segment.
Project criterion / actual approved document and revision	_____

Record field	Actual value / reference
Pipe/fitting / product submittal ref	_____
Joint type / installation method ref	_____
Joint / connection location	_____
Observed condition / defect	_____
Photo / instruction ref	_____
Result / status (Pass / Fail / N/A / Pending)	
Inspector name / role / date	
Evidence / photo / report reference	
Issue / disposition / recheck evidence and date	

Inspection record

Project: _____ Location / room / element: _____ Lot / area: _____

SD-03 Access, support and service separation

What to observe	Inspection/cleaning access, supports/restraints where visible, penetrations and separation from stormwater or other systems at interfaces.
How to check	Compare accessible installation with approved coordination/service drawings and manufacturer/project details; identify access points and cross-system interfaces.
Acceptance basis	Required access and interfaces are identifiable and installed to current project details; keep stormwater and sanitary service identities distinct; any proposed cross-system connection needs verified design and applicable authority approval.
Reference to verify	Current approved project drawings, specification, adopted service standard and inspection/test plan; record exact document, revision, clause/detail and affected segment.
Project criterion / actual approved document and revision	_____

Record field	Actual value / reference
Access opening / cleaning point IDs	_____
Support / penetration detail ref	_____
Sanitary–stormwater separation observation	_____
Interface / coordination drawing ref	_____
Issue / instruction reference	_____
Result / status (Pass / Fail / N/A / Pending)	
Inspector name / role / date	
Evidence / photo / report reference	
Issue / disposition / recheck evidence and date	

Inspection record

Project: _____ Location / room / element: _____ Lot / area: _____

SD-04 Specified test, result and defect closeout

What to observe	Project-specified test method and exact source, section identity, actual test record/report, defects found, repairs and retest linkage.
How to check	Before testing, transcribe the locally applicable project method and criteria; after test, link the original report and any repair/retest in sequence. Record only the actual method and findings.
Acceptance basis	A required test is traceable to the defined section and project-approved criterion; any failure/repair/retest remains linked. WA Bulletin 133 details are not general project defaults.
Reference to verify	Current approved project drawings, specification, adopted service standard and inspection/test plan; record exact document, revision, clause/detail and affected segment.
Project criterion / actual approved document and revision	_____

Record field	Actual value / reference
Test required? / governing source	_____
Method / clause / edition	_____
Original report / actual result ref	_____
Observed defect / location	_____
Repair and retest IDs / date	_____
Result / status (Pass / Fail / N/A / Pending)	
Inspector name / role / date	
Evidence / photo / report reference	
Issue / disposition / recheck evidence and date	

Inspection record

Project: _____ Location / room / element: _____ Lot / area: _____

SD-05 Pre-cover inspection and assigned release record

What to observe	Whether required inspection/witness occurred before backfill or concealment, notice record, outstanding issues, as-installed markups and assigned release decision.
How to check	Compare the actual work stage with project inspection/notification schedule; link inspection photos, test evidence, marked-up drawings and release or hold instruction.
Acceptance basis	Required pre-cover observations and contractual notice/release evidence are present before concealment; record the actual authority and status from project documents.
Reference to verify	Current approved project drawings, specification, adopted service standard and inspection/test plan; record exact document, revision, clause/detail and affected segment.
Project criterion / actual approved document and revision	_____

Record field	Actual value / reference
Pre-cover date / exposed extent	_____
Notice / witness / inspection record	_____
Open NCR / repair / retest ref	_____
As-built markup / photo refs	_____
Release authority / decision / date	_____
Result / status (Pass / Fail / N/A / Pending)	
Inspector name / role / date	
Evidence / photo / report reference	
Issue / disposition / recheck evidence and date	

Sanitary drainage segment and test log

Use one line per segment, inspection or actual test event. Link the segment to the approved nodes/drawing, method, original test report, repair/retest and pre-cover evidence. No local or WA numeric test setting is supplied.

Project / contract: _____ Element / pour / lot: _____ Date / shift: _____

Location / area: _____ Record reference / revision: _____

Date / stage	Segment / node IDs	Drawing / revision	Joint / access / interface observation	Test method / source ref	Actual result / report ref	Defect / repair / retest ref	Pre-cover notice / release ref	Recorder / status

Issues and corrective action

Project: _____ Location / room / element: _____ Inspection date: _____

Item / date	Issue and immediate action	Disposition / corrective instruction	Recheck evidence / date	Responsible role / reference

Unresolved items: identify affected area, status, person notified, instruction / NCR reference and any condition before concealment or next work.

Sanitary drainage pre-cover handover

Project: _____ Location / room / element: _____ Date: _____

Record inspection handover status

☐ Record complete; source evidence linked

☐ Issue, repair, retest or project decision remains open

☐ Assigned project role review / disposition required

This record documents observations and links project evidence. It does not certify compliance, approve a design, create statutory notification or grant contractual release.

Handover roles and references

Installer / licensed role and date _____

Field inspector / role / date _____

Assigned authority / witness / release role and record ref _____

Open defect / repair / retest / as-built references _____

Signatures record the named person's stated role and entry only. They do not by themselves approve design, certify compliance, release a contractual control point or authorize the next activity.

Source notes

References explain topic and record design only. They do not supply universal project acceptance values. Confirm contract documents, jurisdiction and approved product/system.

ABCB, NCC 2022 Volume Three — Plumbing Code of Australia

Role: Official scope and jurisdictional topic framework; does not provide project-specific field test acceptance values.

Locator: Section B water services and Section C sanitary plumbing and drainage; volume includes jurisdiction schedules.

Source URL: <https://ncc.abcb.gov.au/editions/ncc-2022/adopted/volume-three>

ABCB, NCC 2022 Volume Three Schedule 2 — Referenced documents

Role: Reference-edition pointer only; full Standards not inspected and project adoption must be checked.

Locator: AS/NZS 3500 Parts 1–4:2021 titles and NCC clause pointers by service type.

Source URL: <https://ncc.abcb.gov.au/editions/ncc-2022/adopted/volume-three/2-referenced-documents/referenced-documents>

ABCB, Editions of the National Construction Code

Role: Edition/adoption context; check actual jurisdiction, transition and project approvals.

Locator: NCC 2022 Amendment 2 adoption and edition transition notes.

Source URL: <https://ncc.abcb.gov.au/editions-national-construction-code>

Government of Western Australia, Building and Energy Industry Bulletin 133

Role: Topic guidance for sanitary test record linkage and pre-cover workflow in WA only. No test values or notification rules are generalized; check current local adoption and project criteria.

Locator: Two-page October 2020 bulletin: tests sanitary plumbing/drainage before trench fill, describes methods, repair and retesting; references AS/NZS 3500.2:2018.

Source URL: https://www.wa.gov.au/system/files/2024-10/industry_bulletin_133_-_sanitary_plumbing_and_sanitary_drainage_installation.pdf