

DRIVEN AND PREFORMED PILING

Precast and steel driven piles · rig set-up · set criteria and records

ACTIVITY RAMS — ADAPT TO SITE BEFORE USE

KD-RAMS-PS-001 Rev A0

Statutory basis: HSWA 1974 s.2(2)(a) and MHSWR 1999 regs 3 and 5; CDM 2015 reg 22(4) — no work in a supported or battered excavation without a competent-person inspection, reported under reg 24; reg 25(4) with HSE HSG47 (3rd edition, 2014) for underground services; PUWER 1998 and LOLER 1998 regs 8 and 9 for the rig and its lifting operations; Work at Height Regulations 2005; Manual Handling Operations Regulations 1992; COSHH 2002 with EH40/2005 (4th edition, 2020) for silica and wet cement; CDM 2015 regs 13 and 15. The working platform is temporary works: it is designed, certified and re-inspected under BS 5975-1:2024 management procedures, and no rig tracks onto it without a current certificate.

1 DOCUMENT AND PROJECT IDENTIFICATION

RAMS REFERENCE	PROJECT / SITE REF	SITE NAME AND ADDRESS	DATE PREPARED	NEXT REVIEW DATE
CLIENT / PRINCIPAL CONTRACTOR	PLANNED START	DURATION	OPERATIVES	SUPERVISING THE WORK

2 SCOPE OF WORKS

Installation of driven precast concrete and steel piles: rig set-up on a certified platform, pitching, driving to the set criteria, and the driving record.

This document does not cover: the pile design and set criteria themselves, working platform design and certification, and pile testing (specialist).

SITE-SPECIFIC SCOPE, LOCATIONS AND LIMITATIONS

3 RISK ASSESSMENT — SCORE EACH RISK FOR THIS SITE, THEN ADD WHAT IS MISSING

The hazards and controls below are the starting point for this activity, written by a working main contractor. They are not complete for your site until a competent person has scored each risk, added the site-specific hazards, and struck out anything that does not apply. Rate risks High / Medium / Low before and after controls.

1. Rig overturning through an inadequate or degraded working platform

At risk: Rig crew, everyone on site

Controls: No rig tracks onto a platform without a current working platform certificate naming the rig and its ground bearing pressure. The platform is temporary works under BS 5975-1:2024: designed, constructed to the design, and re-inspected after heavy rain, after any excavation adjacent to it, and at the frequency the design states. Rutting, ponding or edge break-up stops work until the temporary works co-ordinator has re-certified it.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

2. Striking underground services or a live cable while boring or driving

At risk: Rig crew, the public

Controls: The HSG47 (3rd edition, 2014) sequence without exception: plans obtained and on site, CAT-and-genny survey by a trained operative, marking up, and trial holes to prove every service near a pile position. Positions within the agreed proximity of a known service are hand-dug or vacuum-excavated to depth before the rig is set up. No plans, or a survey that does not match the plans, stops the work.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

3. Being struck by the rig, the mast, or a swinging pile or auger

At risk: Rig crew, other trades

Controls: A marked exclusion zone around the rig covering the full slew and mast radius; nobody inside it but the rig crew, and entry only with the operator informed and the rig stationary. Loads and augers are tag-lined, never handled by hand while suspended. Reversing and tracking movements are banksman-controlled with agreed signals and eye contact maintained.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

4. Noise from cutting, fixing and plant

At risk: Operatives, others in the area

Controls: Select quieter methods and tools where practicable; hearing protection in designated zones and for noisy operations; agree noisy-works windows with the occupier in occupied buildings.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

5. Hand-arm vibration from power tools

At risk: Operatives

Controls: Select low-vibration tools, keep cutting edges sharp, rotate operatives to keep exposure below the action value, and record trigger time where the assessment requires it.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

6. Manual handling of boards, materials and components

At risk: Operatives

Controls: Mechanical aids first — trolleys, board lifters, hoists. Two-person lifts for boards and long components; order materials in manageable sizes; plan storage close to the workface; keep carrying routes clear and lit.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

DRIVEN AND PREFORMED PILING

continued

ACTIVITY RAMS — ADAPT TO SITE BEFORE USE

KD-RAMS-PS-001 Rev A0

7. Interface with occupants, other trades and the public

At risk: Occupants, other trades, the public

Controls: Segregate the work area — barriers, signage, sheeting; agree access routes and working hours with the occupier; never obstruct escape routes; deliveries and waste runs outside peak movement times where agreed.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

8. Slips, trips and housekeeping

At risk: Everyone in the work area

Controls: Keep the workforce clear, remove waste and offcuts as they are created, route leads at high level or under mats, and maintain task lighting.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

Site-specific hazards not listed above — every site has at least one:

HAZARD	WHO IS AT RISK	CONTROLS	INITIAL H/...	RESIDUAL...	ACTION OWNER	BY WHEN

4 METHOD — SEQUENCE OF WORK

- 01 Confirm the working platform certificate names this rig and is current; walk the platform before tracking on.
- 02 Complete the HSG47 sequence and prove services at every pile position before set-up.
- 03 Set out and mark the exclusion zone; brief the crew and the banksman on signals.
- 04 Pitch piles under tag line control with nobody inside the mast radius.
- 05 Drive to the specified set, monitoring for obstruction and refusal; stop and refer if the set is not achieved.
- 06 Record every pile — position, level, set and any deviation — and hand the record over daily.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE

5 PLANT, EQUIPMENT AND MATERIALS

- Piling rig with current thorough examination
- Hammer or drop weight

- Tag lines
- Noise dosimeter where required

INSPECTION / THOROUGH EXAMINATION REFS

COSHH ASSESSMENT REFS

6 PPE — THE LAST LINE OF CONTROL, NOT THE FIRST

- Head protection
- Safety footwear
- High visibility

- Gloves — task-rated
- Eye protection
- Hearing protection

- Hearing protection to the assessed level
- Anti-vibration gloves where hand tools are used

RPE TYPE, FACE-FIT STATUS, AND ANY OTHER PPE REQUIRED

7 PERMITS REQUIRED BEFORE THIS WORK STARTS

A permit authorises this work in that place, on that day. It extends the safe system of work in this document — it does not replace it (HSE HSG250). The site issues the permit; record its number before work starts.

KD-PTW-EX-005 — Excavation and Permit to Dig
Before any ground is broken.

PERMIT NUMBER

KD-PTW-LO-008 — Lifting Operations Permit
For pitching and craned pile handling.

PERMIT NUMBER

8 EMERGENCY ARRANGEMENTS — COMPLETE FOR THIS SITE

FIRST AIDER AND LOCATION	NEAREST A&E	ASSEMBLY POINT

DRIVEN AND PREFORMED PILING

continued

ACTIVITY RAMS — ADAPT TO SITE BEFORE USE

KD-RAMS-PS-001 Rev A0

HOW THE ALARM IS RAISED	EMERGENCY ACCESS FOR THIS WORK AREA	SPILL / ENVIRONMENTAL RESPONSE
-------------------------	-------------------------------------	--------------------------------

9 BRIEFING RECORD — EVERYONE WORKING UNDER THIS RAMS SIGNS BEFORE STARTING

By signing you confirm the contents of this RAMS have been explained to you, you understand the hazards and controls, and you will work to the sequence stated. Tell the supervisor if the work or the site does not match this document — work stops until it does.

NAME	COMPANY	SIGNATURE	DATE

10 PREPARED AND ACCEPTED

Prepared / adapted for this site by — I confirm I have adapted this document to the site, scored the risks, and that it describes how the work will actually be done.

PRINTED NAME	ROLE / COMPETENCE	COMPANY	SIGNATURE	DATE	TIME

Accepted for the site by — principal contractor or site manager review.

PRINTED NAME	ROLE	COMPANY	SIGNATURE	DATE	TIME

Review this RAMS if the work, the site or the law changes, and at least before each new phase of the works. Flatten the completed PDF before filing so the record cannot be silently edited.

R REVISION HISTORY

Every revision of this document, and every review that found nothing to change. The revision on the front of this sheet is the one you are holding — check kubitdocs.com for the current one before use.

Rev	Date	Class	What changed	Authorised by
D0	2026-08-11	first-issue	First issue.	— not yet approved —
A0	2026-08-27	review	Approved for issue by the author. Content unchanged from D0; the draft status strip is removed. No independent third-party review has been carried out.	Author — director, UK principal contractor, SMSTS. Not an independent review.

Class: first-issue · material (the law, a control, a field or the scope changed — past buyers are notified) · editorial (wording or layout only) · review (checked, nothing changed) · withdrawal. Revision prefix D = draft, not approved and not for sale; A = approved for issue by the person named, on the date shown.