SOAKAWAY DESIGN AND CONSTRUCTION SHALL BE SUBJECT TO SITE-SPECIFIC DESIGN AND APPROVAL IN ACCORDANCE WITH NYC SPECIFICATION SECTION 05 AND RELEVANT GUIDANCE.

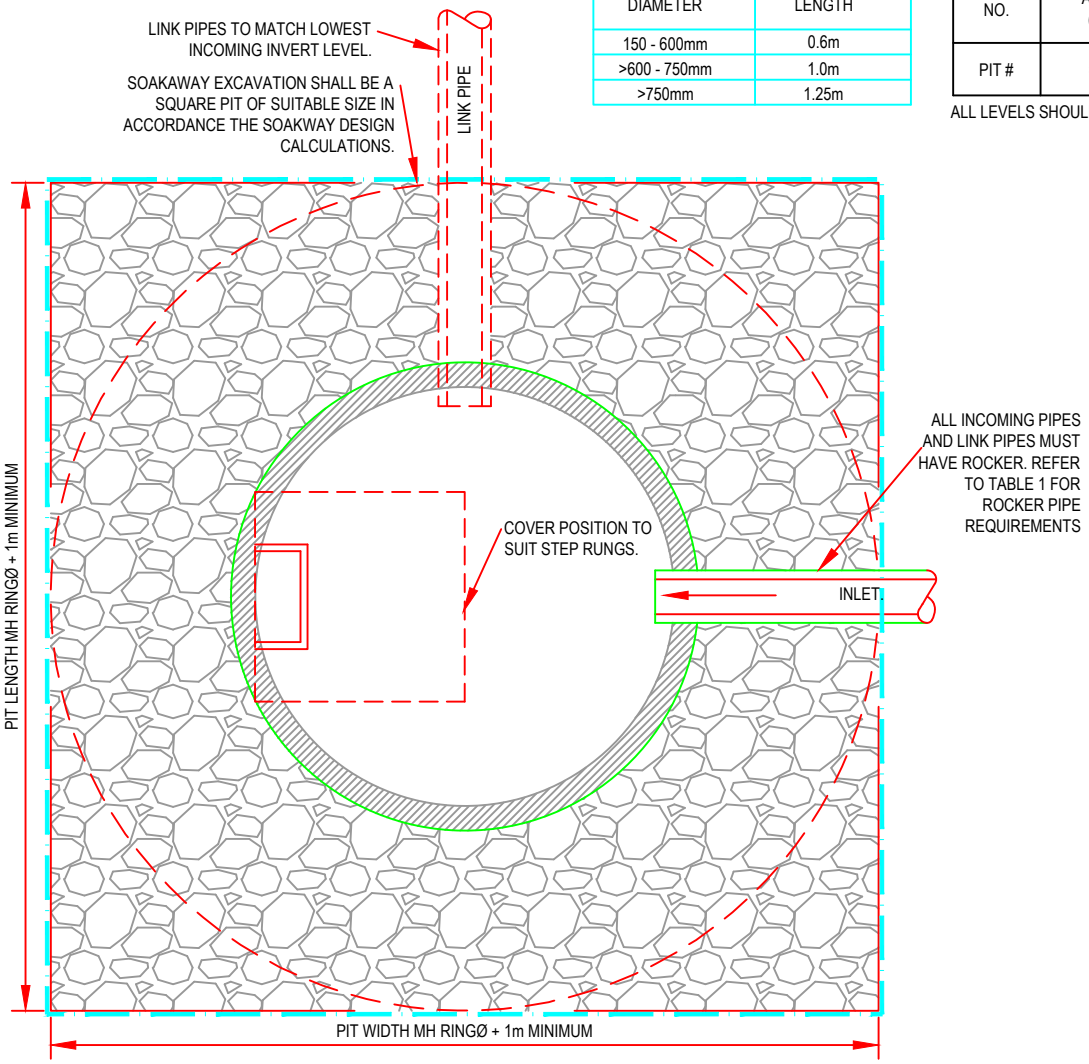
TABLE 1

NOMINAL DIAMETER	ROCKER PIPE LENGTH
150 - 600mm	0.6m
>600 - 750mm	1.0m
>750mm	1.25m

EXAMPLE SOAKAWAY SCHEDULE (TO BE INCLUDED ON DESIGN DRAWINGS)

SOAKAWAY NO.	CATCHMENT AREA (m^2)	SOAKAWAY COVER LEVEL (m)	SOAKAWAY BASE LEVEL (m)	SOAKAWAY RING DIA (m)	PIT SIZE (m)	INCOMING INVERT (m)	EFFECTIVE DEPTH (m)	TOTAL DEPTH (m)
PIT #	###	###	###	TYPE # ###Ø	###	###	###	###

ALL LEVELS SHOULD BE RELATED TO ORDNANCE SURVEY DATUM.



PLAN

NOTES

1. ALL WORKS SHALL COMPLY WITH THE LATEST RELEVANT BRITISH STANDARDS, DMRB REQUIREMENTS, BS EN 124 SERIES, CIRIA C753, BRE 365, AND CURRENT NYC SPECIFICATIONS.
2. PIPE BEDDING, LAYING AND BACKFILLING SHALL BE IN ACCORDANCE WITH NYC SPECIFICATION SECTION 05.
3. FINAL SOAKAWAY DESIGN SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER AND RELEVANT AUTHORITIES.
4. COVER GRADE SHALL BE MINIMUM D400 UNLESS OTHERWISE AGREED WITH THE ENGINEER. 600mm X 600mm CLEAR OPENING.
5. MANHOLE COVER AND FRAMES SHALL BE OF A NON-ROCKING DESIGN WHICH DOES NOT RELY ON THE USE OF CUSHION INSERTS. ALL MANHOLE COVERS SHALL BE THE NON-VENTILATING TYPE AND SHALL HAVE CLOSED KEYWAYS. ALL COVERS FORMED OF DOUBLE TRIANGULAR UNITS SHALL BE LOOSELY BOLTED TOGETHER.
6. FRAMES SHALL BE BEDDED ON A GAUGED CLASS 1 (3:1) SAND/CEMENT MORTAR TO CL.2402 OF SHW MORTAR DESIGNATION (I), AND BETWEEN 2 AND 4 COURSES OF ENGINEERING BRICKWORK CLASS 'B' OR LIFTING SECTIONS.
7. RUNGS FOR MANHOLES AND OTHER CHAMBERS SHALL BE TYPE D CLASS 1
8. PRECAST CONCRETE MANHOLE PATTERN STEP IRONS AT 300mm CENTRES VERTICALLY AND STAGGERED 300mm HORIZONTALLY BETWEEN CENTRES.
9. ON MANHOLES LESS THAN 1.5mØ REDUCING SLAB NOT TO BE USED AND PC RINGS TO CONTINUE UP TO COVER SLAB.
10. THE DESIGN CRITERIA SHALL BE AGREED WITH NYCC. DRAINAGE STRATEGY AND FLOOD RISK REPORTS SHALL BE PROVIDED. IN THE ABSENCE OF THIS INFORMATION THE DESIGNER SHALL ENSURE COMPLIANCE AS FOLLOWS:
    - SITE INVESTIGATION REPORT.
    - INFILTRATION TEST RESULTS.
    - DESIGN CALCULATIONS IN ACCORDANCE WITH BRE365 OR CIRIA 156.
    - DESIGN FOR 1:100YR RETURN PERIOD AND INCLUDE AN ALLOWANCE FOR CLIMATE CHANGE.
    - ENVIRONMENT AGENCY CONSENT.
11. WHERE MULTIPLE SOAKAWAYS ARE TO BE LINKED VIA PITS AT THE SAME LOCATION, THE MINIMUM SPACING BETWEEN PITS MUST BE EQUAL TO THE EXCAVATED PIT SIZE.
12. SOAKAWAYS TO BE SITED CLEAR OF THE ROADS, FOOTWAYS AND SERVICE MARGINS IN ORDER TO AVOID OBSTRUCTING THE ROUTE OF PUBLIC UTILITIES.
13. LOCATIONS WITHIN VERGES AND OTHER ADOPTABLE AREAS SHOULD BE CHOSEN.
14. GROUND WATER MONITORING MAY BE NECESSARY TO ESTABLISH HIGHEST SEASONAL VARIATION. WHERE 1m OF UNSATURATED GROUND BELOW BASE OF SOAKAWAY CANNOT BE ACHIEVED, SEEK ADVICE FROM NYC.
15. EASEMENT WILL BE REQUIRED WHERE SOAKAWAYS ARE LOCATED OUTSIDE OF PUBLIC HIGHWAY.
16. ALL DIMENSIONS IN MILLIMETRES

Do not scale

REVISIONS	
VERSION	DETAILS
A	REVISED IN ACCORDANCE WITH NYC SPECIFICATION FOR HOUSING AND INDUSTRIAL ESTATE ROADS AND PRIVATE STREET WORKS, APRIL 2025

NORTH YORKSHIRE COUNCIL
Environment Directorate

PROJECT: STANDARD DETAILS

DRAWING TITLE: C9A- SOAKAWAY DETAIL SHEET 2 OF 2

DATE: SEPTEMBER 2025

SCALE: Not to Scale

Revision A

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ORIGINAL DRAWING SIZE A4