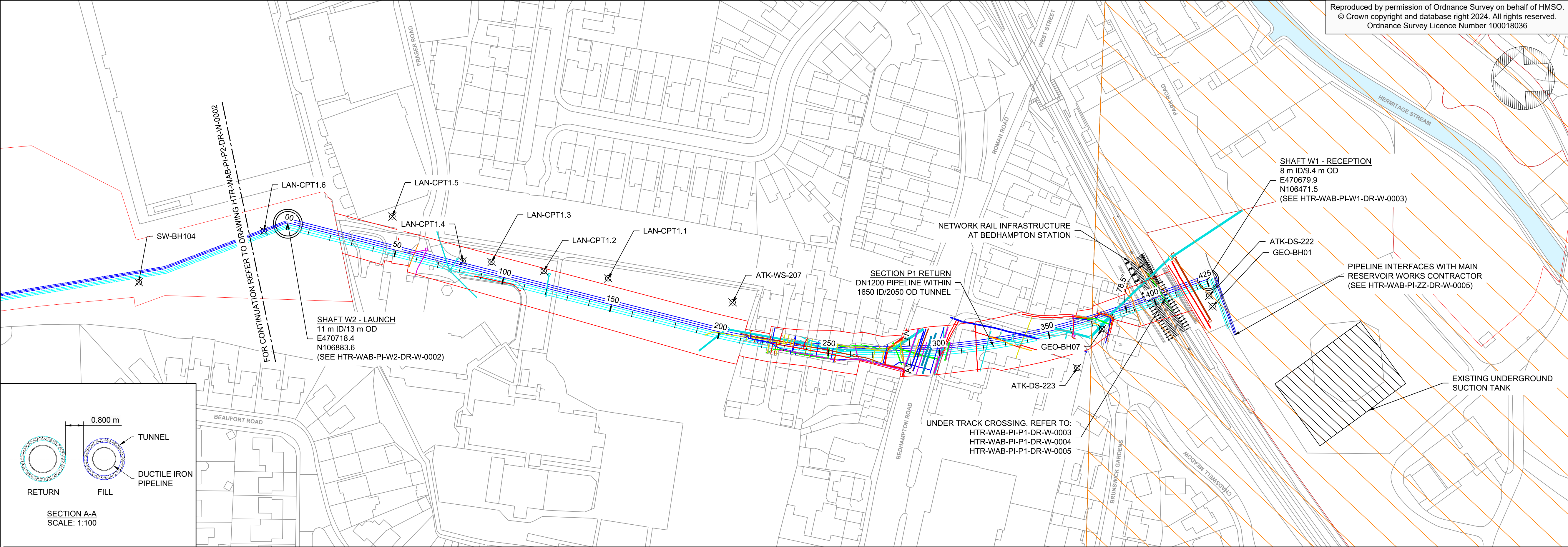




KEY PLAN

THIS DRAWING

Notes:

- TUNNEL CHAINAGES ARE DEFINED IN METRES BETWEEN SHAFT CENTERS.
- FOR SECTION P1 RETURN PIPELINE PLAN AND LONGSECTION SEE HTR-WAB-PI-P1-DR-W-0002
- NETWORK RAIL INFRASTRUCTURE HAS BEEN MODELLED APPROXIMATELY BASED ON PROVIDED RECORDS. EXACT PLATFORM AND TRACK GEOMETRY INSIDE NETWORK RAIL BOUNDARY IS TBC BY SURVEY.
- TRACK ZONE OF INFLUENCE DRAWN AS PER NR/L2/CIV/044. 45 DEGREE PLANE EXTENDING BELOW THE TOP OF THE BALLAST SHOULDER. THE BALLAST SHOULDER IS ASSUMED TO HAVE 450 mm WIDTH AND 125 mm DEPTH ABOVE TOP OF SLEEPER.
- BURIED UTILITIES ARE BASED ON MODEL HTR-SEL-ZZ-M3-C-0001. INFORMATION OBTAINED FROM UTILITY PROVIDER RECORDS AND GPR SURVEY. ONLY THE EXTENT OF EACH UTILITY DIRECTLY OVER THE FILL TUNNEL IS SHOWN. UTILITIES ARE OMITTED FROM PLAN VIEW, FOR CLARITY.
- INDICATIVE UTILITY SIZE DRAWN BASED ON RECORDS AND SURVEY, WHERE AVAILABLE. UTILITY DEPTH BASED ON SURVEY, WHERE AVAILABLE. FOR UTILITIES WITH UNKNOWN SIZE OR DEPTH, SIZE HAS ASSUMED AND UTILITY IS INDICATED AT GROUND LEVEL.

FILL PIPELINE

RETURN PIPELINE

REDLINE BOUNDARY

SOURCE PROTECTION ZONE (ZONE 1 - INNER PROTECTION ZONE)

NETWORK RAIL ZONE OF INFLUENCE

GROUND INVESTIGATION LOCATION

ID = INNER DIAMETER
OD = OUTER DIAMETER

BURIED UTILITIES KEY

- ABANDONED SERVICE
- BT CABLE
- ELECTRICAL (HIGH VOLTAGE) CABLE
- ELECTRICAL (LOW VOLTAGE) CABLE
- FIBRE AND COMMUNICATION
- FOUL PIPE
- GAS PIPE
- RAW WATER PIPE
- SURFACE WATER PIPE
- TV CABLE
- UNKNOWN OR GPR TRACE
- WATER PIPE

GEOTECHNICAL SECTIONS KEY

COLOUR = PRIMARY MATERIAL

PATTERN = SECONDARY MATERIAL

UNKNOWN

MADE GROUND

CLAY

SILT

SAND

GRAVEL

ASSESSED ZONE OF CORE LOSS

Clayey

Silty

Sandy

Gravelly (or coarser)

- IF MATERIAL COARSER THAN SAND IS PRESENT AS A TERTIARY OR LESSER COMPONENT, AN ADDITIONAL GRAVEL PATTERN IS ALSO SHOWN.

- LAYER ANALYSIS FOR CPTS IS BASED ON LANKELMA INTERPRETATION OF SBT CORRELATIONS.

- SPT N VALUES: R[X] = TEST REFUSAL, WITH X GIVING LINEARLY INTERPOLATED N VALUE.

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED

DO NOT SCALE FROM THIS DRAWING USE SHOWN DIMENSIONS ONLY

SCALE: H 1:1000
SCALE: V 1:250

SECTION CHAINAGE (m)

GROUND LEVEL (mAOD)

HORIZONTAL GEOMETRY (m)

VERTICAL GEOMETRY (m)

COVER DEPTH (m)

TUNNEL INVERT LEVEL (mAOD)

LOCATION

CONSTRUCTION METHOD

DN1200 DUCTILE IRON PIPELINE WITHIN 1650 ID / 2050 OD PIPEJACK TUNNEL

SCALE 1:250

SCALE 1:1000

INCLUSION OF BURIED UTILITIES

FORM A VERSION

FILL PIPELINE UPSIZING

Description

Date

WARD & BURKE

Drawing Suitability: FOR CONSTRUCTION APPROVAL

Status: S4

Contractors Drawing Number: HTR-WAB-PI-P1-DR-W-0002

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Date: 12/07/24

Scale: 1:1000

Sheet: 01 of 09

Sheet Size: A1

Project Title: HAVANT THICKET RESERVOIR

Drawing Title: BEDHAMPTON TO HTR PIPELINE RETURN PIPELINE PLAN AND LONGSECTION SECTION P1

Portsmouth Water Drawing Number:

Rev: P06