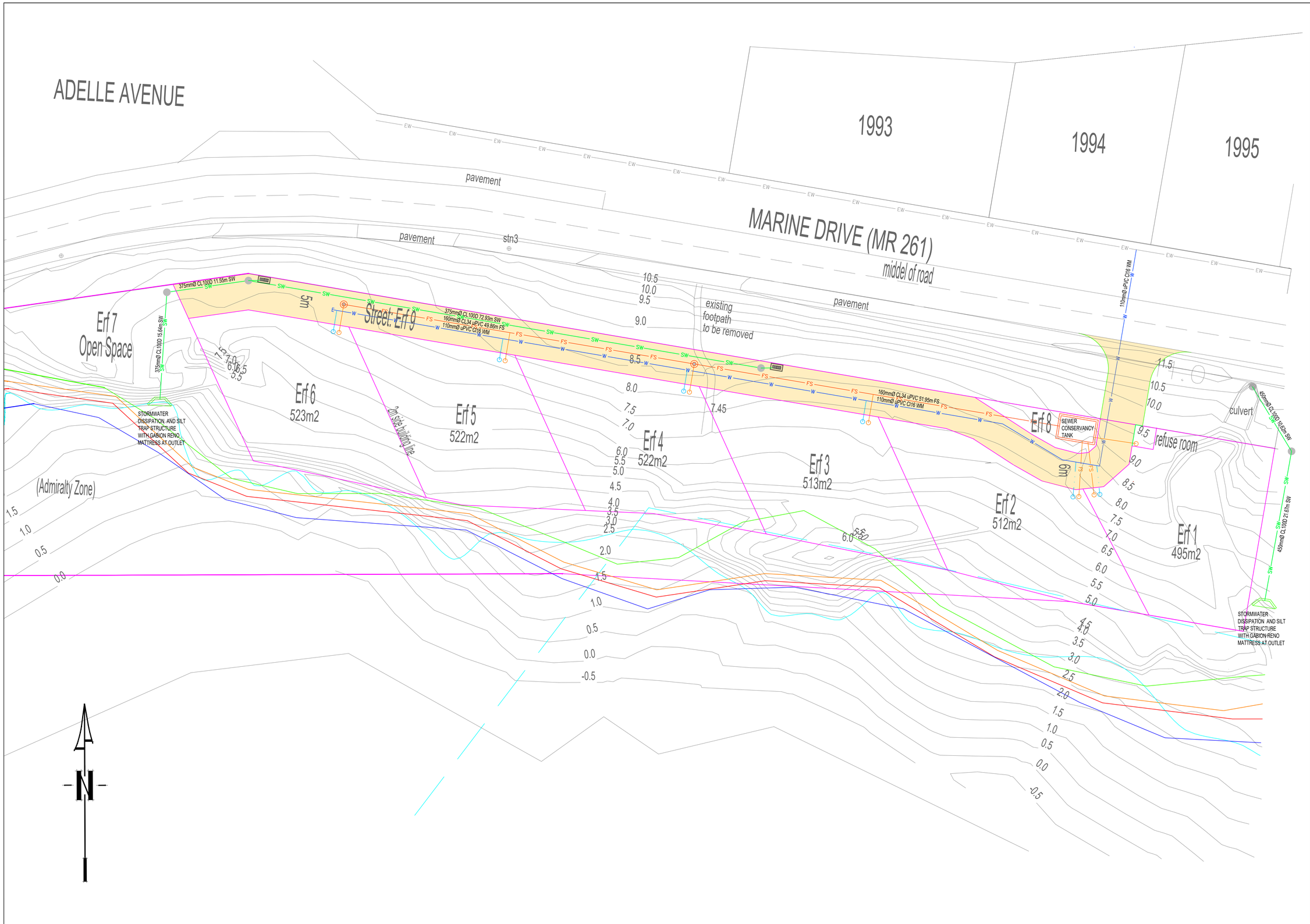

LEGEND:

- EFS — EXISTING FOUL SEWER
- ESW — EXISTING STORMWATER
- EW — EXISTING WATER
- SW — STORMWATER
- W — DOMESTIC WATER
- FS — SEWER
- SEWER MANHOLE
- FW — FIRE WATER
- VALVE
- FIRE HYDRANT
- END CAP
- 80mm CONCRTE BLOCK PAVING
- 200mm CEMENT STABILISED SUBBASE
- LOW RISK ZONE
- MEDIUM RISK ZONE
- HIGH RISK ZONE
- 5m CONTOUR
- HIGH WATER MARK BY LAND SURVEYOR
- HIGH WATER MARK 1 IN 10 YEARS

NOTES:

Water:

1. Thrust block design to SABS 1200 L.
2. The contractor must refer and adhere to the CoCT standard specifications and drawings.
3. Water lines must be tested under engineers supervision prior to connection to existing water mains.
4. Cover to all water mains: In sidewalk - min 0.75m, max 1.25m. In roadway - min 1.00m, max 1.25m.
5. All valves to be anticlockwise closing, Class 16, C.I. wedge type gate valves with non-rising spindle.
6. All water mains to be uPVC Class 16.
7. Valves and hydrants to be installed opposite erf boundaries or building corners.

Sewer:

1. The contractor must refer and adhere to the CoCT standard specifications and drawings.
2. All sewer pipes must be uPVC class 34 high density pipes.
3. Sewer manholes must precast concrete ring type manholes.
4. All backdrops to be internal, no external backdrops will be allowed.
5. The contractor must liaise with the responsible service providers with respect to affected services and the protection thereof.

Stormwater:

1. Stormwater pipes shall be class 100D.
2. All stormwater manhole covers & frames to be type 2B.
3. Stormwater gratings & frames in roadways to be heavy duty 600x450, type C.
4. All stormwater pipes to be spigot and socket precast concrete.
5. Concrete encasement must be used under buildings and roadways, for pipes <450mm diameter, when the crown protrudes into the road layerworks. (Base or Subbase).
6. All headwalls must have erosion protection at outlets as per the standard details.
7. All subsoil drains must have inspection eyes at starts, ends and junctions.

General:

1. All work to be constructed in accordance with local authority requirements & SABS 1200 series.
2. All existing levels to be verified on site prior to construction.
3. Contractor to verify position and level of existing services prior to construction of tie-in pipelines.
4. Refer to Architects and Mechanical Engineers layouts and details for internal water, fire and sewer reticulation.

REV	DESCRIPTION	DATE
C	FOR APPROVAL	14.10.2025
B	FOR APPROVAL	31.08.2025
A	FOR APPROVAL	28.02.2025

ICON Consulting Engineers
Tel: +2782 491 9814
Email: info@iconeng.co.za

THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL THE RELEVANT CONSULTANTS' DRAWINGS. ALL DIMENSIONS ARE TO BE READ AND NOT SCALED. ANY DISCREPANCIES ARE TO BE REPORTED TO THE PRINCIPAL AGENT IMMEDIATELY.
THESE DRAWINGS ENJOY A COPYRIGHT WHICH VESTS IN ICON CONSULTING ENGINEERS UNLESS OTHERWISE AGREED IN WRITING. THESE DRAWINGS MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WHATSOEVER TO ANY PERSON WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT HOLDER.

CLIENT:
HELEMIKA NUMBER 1 (Pty) Ltd

PROJECT DESCRIPTION:
SPOOKDRAAI ESTATE
ERF 281, STRUISBAAI

DRAWING TITLE:
PRELIMINARY CIVIL ROADS AND SERVICES LAYOUT

SIGNED:	
Pr. Eng NUMBER:	970464
SCALE:	1:250 @ A1
CHECKED:	B. RUTHERFORD
DESIGNED:	N. JORDAAN
DRAWN:	N. JORDAAN
DATE:	MAY 2025

DRAWING NUMBER: **250133-SKO1**

REVISION: **C**