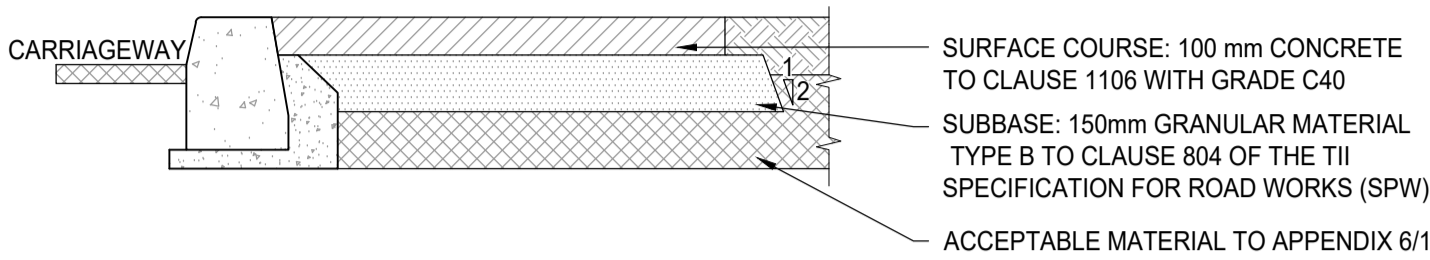


File Location: C:\Users\Kearney\OneDrive\2023 PROJECTS\230400423 - DUBLIN, BOHERBOY, DR06.0 DRAWINGS\6.2 PINNACLE\6.2.3 HIGHWAYS\6.2.3.6 STAGE 2 APPLICATION 2025\230400423-PIN-XX-DR-0-D-140-S1-H05-RCD.DWG

CONSTRUCTION DETAIL FOOTPATH TYPE B

- PROPOSED CONCRETE FOOTPATH CONSTRUCTION
- SURFACE COURSE: 100 mm CONCRETE TO CLAUSE 1106 WITH GRADE C40
- SUBBASE: 150mm GRANULAR MATERIAL TYPE B TO CLAUSE 804 OF THE TII SPECIFICATION FOR ROAD WORKS (SPW)
- ACCEPTABLE MATERIAL TO APPENDIX 6/1



CONCRETE FOOTWAY RCD/1100/5
SCALE 1:20

NOTES:

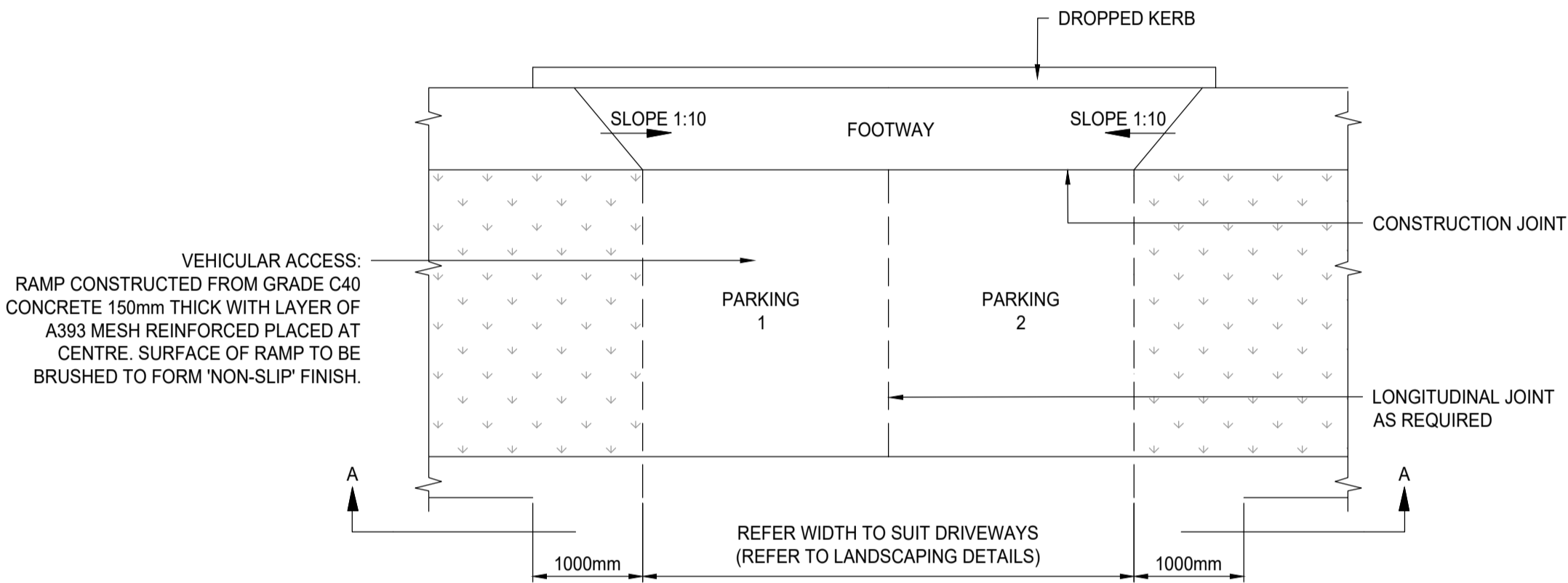
1. FOOTWAY IS SHOWN WITH A IN-SITU CONCRETE KERB TYPE A. ALTERNATIVE KERB TYPES ARE SHOWN RCD/1100/1 AND RCD/1100/2.
2. AT VEHICULAR ACCESS POINTS SUB BASE & CONCRETE INCREASED TO 150mm AND CONCRETE TO BE REINFORCED WITH A393 MESH REINFORCEMENT TOP AND BOTTOM.
3. ALL CONCRETE EDGES AND JOINTS SHALL BE BULLDOZED WITH A TROWEL.

COLORLED SURFACE OPTIONS

MATERIAL DESCRIPTION	RED SMA	BUFF SMA	BLACK SMA (WITH RED CHIP)
FOR USE ON:	DMURS	CUL DE SACS, DMURS	RAMPS
MIN COMPACTED THICKNESS	40mm	40mm	40mm
CHIP SIZE RANGE	10mm only	10mm only	10mm only
MIN CHIP PSV VALUE	55	55	55
MATERIAL NAME	SMA surf PMB (ISEN 13108-5 -RED, BUFF)		
CHIP COLOUR			
AGGREGATE COLOR RATIO	Chips >4mm: COLOURED AGGREGATE		
PIGMENT % IN MIX	RED	BUFF	RED
BINDER	BLACK	CLEAR	BLACK
AFTER TREATMENT	NONE	NONE	NONE
PROTECTED IN TRAFFIC	4HRS MINS	4HRS MINS	2HRS MINS

GENERAL NOTES

1. DO NOT SCALE THIS DRAWING. WORK ONLY TO FIGURED DIMENSIONS.
2. FOR ALL RELEVANT NOTES, REFER TO STRUCTURAL AND CIVIL ENGINEERING PERFORMANCE SPECIFICATION.
3. ANY DISCREPANCIES ARE TO BE REPORTED TO PINNACLE CONSULTING ENGINEERS IMMEDIATELY.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS, ARCHITECTS AND SUB-CONTRACTORS DRAWINGS AND DETAILS.
5. THIS DRAWING IS TO BE PRINTED IN COLOUR.
6. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS EXPRESSLY STATED.
7. THIS DRAWING USES THE IRISH COORDINATE SYSTEM "IRENET95 / IRISH TRANSVERSE MERCATOR".
8. THIS DRAWING HAS BEEN PREPARED USING THE PROPOSED SITE LAYOUT FROM MCROM & DAVEY + SMITH DRAWING BOHERBOY SITE LAYOUT PLAN 250407 DATED 07/04/2025.



PLAN OF RAMP
SCALE 1:50

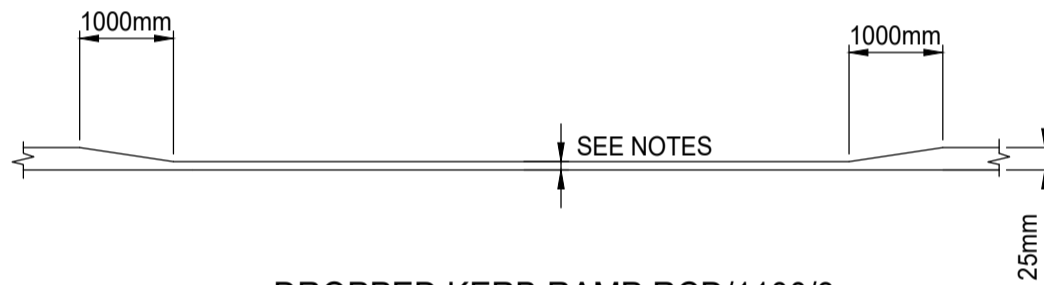
NOTES:

1. A RAISED LIP OF 25mm SHOULD BE USED FOR VEHICULAR ENTRANCES.
2. REFER TO RCD/1100/2 FOR IN-SITU CONCRETE KERB DIMENSIONS.
3. DRIVEWAYS ARE TO BE FLUSH WITH FOOTPATHS.
4. REFER TO LANDSCAPING DRAWINGS FOR DRIVEWAY CONSTRUCTION DETAILS INCLUDING JOINTS.

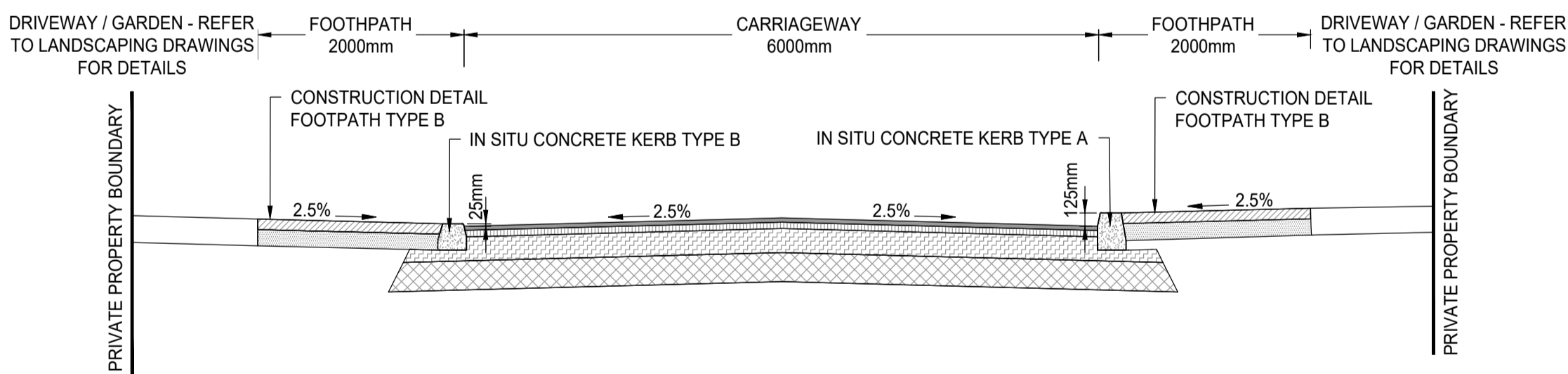
NOTES:

- FOOTPATHS:
IN-SITU CONCRETE FOOTPATH. FOOTPATH IS TO INCORPORATE 20mm EXPANSION JOINTS AT 24m CENTRES AND 4mm CONTRACTION JOINTS AT 3m CENTRES MINIMUM. CONTRACTION JOINTS SHALL BE PROVIDED EITHER SIDE OF ALL VEHICULAR CROSSINGS. JOINTS TO BE SEALED WITH AN APPROVED 2 PART POLYSULPHIDE SEALANT OR OTHER LA APPROVED SYSTEM.

- KERBING:
KERBING TO BE INSITU CONCRETE SYSTEM. 20mm EXPANSION JOINTS AT 25m CENTRES AND 4mm CONTRACTION JOINTS AT 5m CENTRES MINIMUM TO BE PROVIDED. CONTRACTION SHALL BE PROVIDED EITHER SIDE OF ALL VEHICULAR CROSSINGS. JOINTS TO BE SEALED WITH AN APPROVED 2 PART POLYSULPHIDE SEALANT OR OTHER APPROVED SYSTEM.



DROPPED KERB RAMP RCD/1100/3
SCALE 1:50



TYPICAL ROAD SECTION - CUL DE SAC
SCALE 1:50

ROAD CONSTRUCTION:

40mm SURFACE COURSE (10mm CHIP SIZE) SMA (I.S. EN 13108-5) ON A 100mm BINDER COURSE (20mm CHIP SIZE) AC20 (I.S. EN 13108-5) ON A MIN. 150mm SUB-BASE LAYER TO TII PUBLICATION - SERIES 800 (INCLUDING CLAUSES 801-804).

NOTE: MIN. BITUMINOUS THICKNESS IS 140mm.

NOTE: THE DEPTH OF THIS SUB-BASE IS DEPENDENT UPON THE CBR OF THE FORMATION. SEE TABLE 1.

FOR COMPACTED THICKNESS REFER TO TII PUBLICATION - DN-PAV-0321 (I.E. CBR, PLATE COMPACTION, WATER TABLES, ETC)

FOR CAPPING LAYER REFER TO TII PUBLICATION - DN-PAV-0321 (I.E. CLASS 6F2/6F1, WATER TABLES, ETC)

ROAD CONSTRUCTION

- 40mm SURFACE COURSE (10mm OR 14mm CHIP SIZE) SMA (I.S. EN 13108-5) OR HRA (I.S. EN 13108-4)
- 60mm BINDER COURSE (20mm CHIP SIZE) AC20 (I.S. EN 13108-5)
- 80mm BASE COURSE (32mm CHIP SIZE) AC32 (I.S. EN 13108-1)
- MIN. 150mm SUB-BASE LAYER TO TII PUBLICATION - SERIES 800 (INCLUDING CLAUSES 801-804).
- ACCEPTABLE MATERIAL TO APPENDIX 6/1

TABLE 1

CBR (%)	CAPPING LAYER (mm)	SUB-BASE LAYER (mm)
0-1%	SEEK SPECIALIST ADVICE	150 (mm)
1%	800 (mm) + 1 LAYERS OF GEOGRID	150 (mm)
2%	500 (mm) + 1 LAYERS OF GEOGRID	150 (mm)
3%	400 (mm) + 1 LAYERS OF GEOGRID	150 (mm)
4%	300 (mm) + 1 LAYERS OF GEOGRID	150 (mm)
5-10%	250 (mm)	150 (mm)
10% +	150 (mm)	150 (mm)

- ONE LAYER OF NON-WOVEN SEPARATOR MEMBRANE IS TO BE PLACED DIRECTLY ON THE SOFT SUB-GRADE.
- ONE LAYER OF GEOGRID TO BE PLACED DIRECTLY ON NON WOVEN SEPARATOR MEMBRANE.
- A GRANULAR BASE (VARIES) COMPRISING OF 6F2 CAPPING IS TO BE CONSTRUCTED AND COMPACTED ON TOP OF THE GEOGRID.
- A 150mm THICK LAYER OF CLAUSE 804 BACKFILL IS TO BE CONSTRUCTED AND COMPACTED ON TOP OF THE 6F2 CAPPING.
- THE ASPHALT ROAD BASE IS TO BE CONSTRUCTED ON TOP OF THE CLAUSE 804 BACKFILL.
- ALL GEOTEXTILE LAPS ARE TO BE AT LEAST 500mm WIDE.

ROAD CONSTRUCTION:

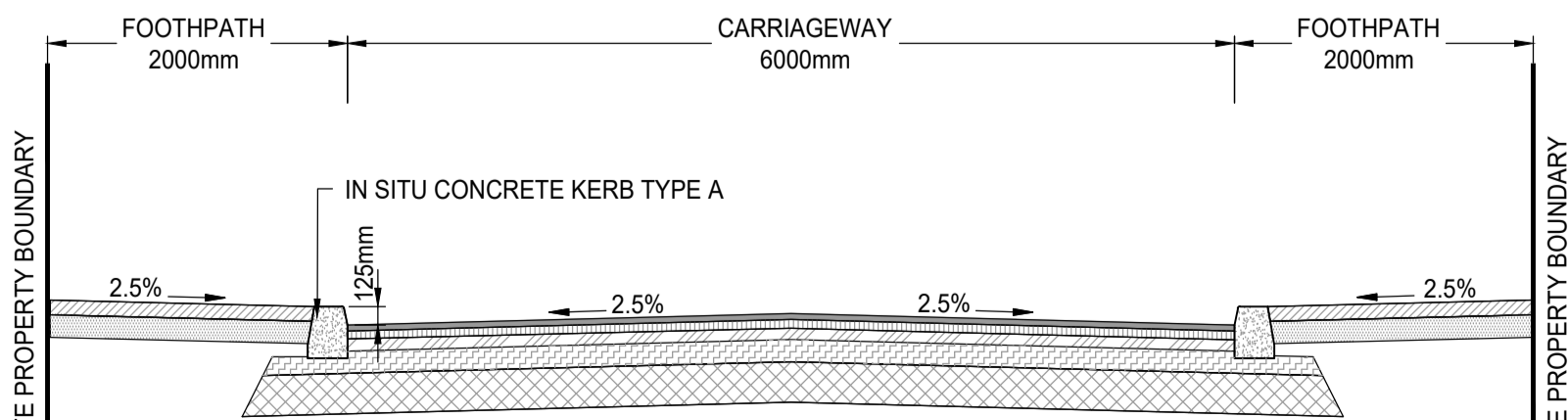
40mm SURFACE COURSE (10mm OR 14mm CHIP SIZE) SMA (I.S. EN 13108-5) OR HRA (I.S. EN 13108-4) ON A 60mm BINDER COURSE (20mm CHIP SIZE) AC20 (I.S. EN 13108-5) ON A 80mm BASE COURSE (32mm CHIP SIZE) AC32 (I.S. EN 13108-1) ON A MIN. 150mm SUB-BASE LAYER TO TII PUBLICATION - SERIES 800 (INCLUDING CLAUSES 801-804).

NOTE: MIN. BITUMINOUS THICKNESS IS 180mm.

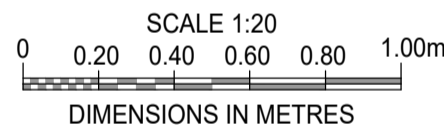
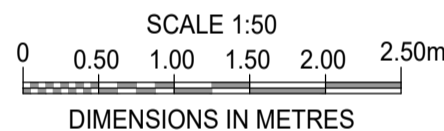
NOTE: THE DEPTH OF THIS SUB-BASE IS DEPENDENT UPON THE CBR OF THE FORMATION. SEE TABLE 1.

FOR COMPACTED THICKNESS REFER TO TII PUBLICATION - DN-PAV-0321 (I.E. CBR, PLATE COMPACTION, WATER TABLES, ETC)

FOR CAPPING LAYER REFER TO TII PUBLICATION - DN-PAV-0321 (I.E. CLASS 6F2/6F1, WATER TABLES, ETC)



TYPICAL ROAD SECTION - SPINE ROAD HEAVILY TRAFFICKED
SCALE 1:50



P03	ISSUED FOR PLANNING	SOR	SOR	08/12/25
P02	RSA SUBMISSION	SOR	SOR	07/10/25
P01	STAGE 2 SUBMISSION	RK	RK	11/04/25
REV	DESCRIPTION	BY	CHK/ APP	DATE

CLIENT

KELLAND HOME LTD
ADERRIG 4 RESIDENTIAL LTD

PROJECT

LANDS AT BOHERBOY ROAD,
SAGGART

DRAWING TITLE

ROAD CONSTRUCTION DETAILS

PINNACLE
CONSULTING ENGINEERS

GROSVENOR COURT,
67A PATRICK STREET,
DUN LAOGHAIRE,
COUNTY DUBLIN
IRELAND.
WELWYN GARDEN CITY ■ NORWICH ■ LONDON ■ THE HAGUE ■ FRANKFURT

DRAWING STATUS				
PLANNING				
SCALE @ A1	DATE	DRAWN BY	CHECKED	APPROVED
AS SHOWN	JUN '24	RK	RK	JM
DRG NO.	P230400423-PIN-XX-DR-0-D-140-S1			REV. P03

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