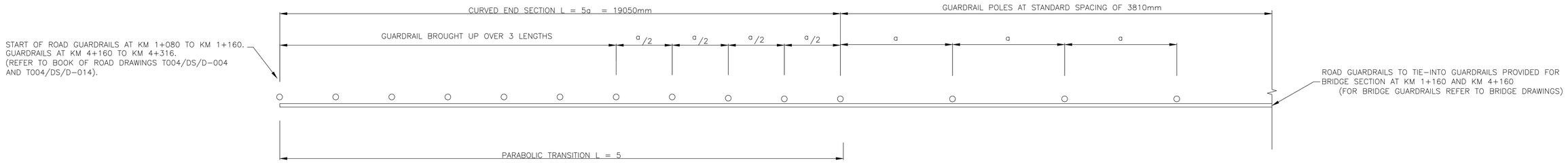
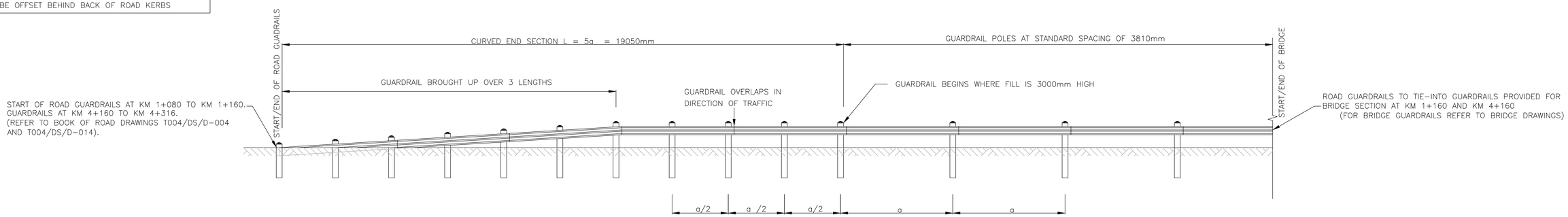
NOTES:
1. a= 3810mm (NORMAL SPACING OF POLE)
2. GUARDRAILS TO BE OFFSET BEHIND BACK OF ROAD KERBS



PLAN: TYPICAL DETAIL OF BEGINNING AND END OF ROAD GUARDRAILS ON HIGH FILLS

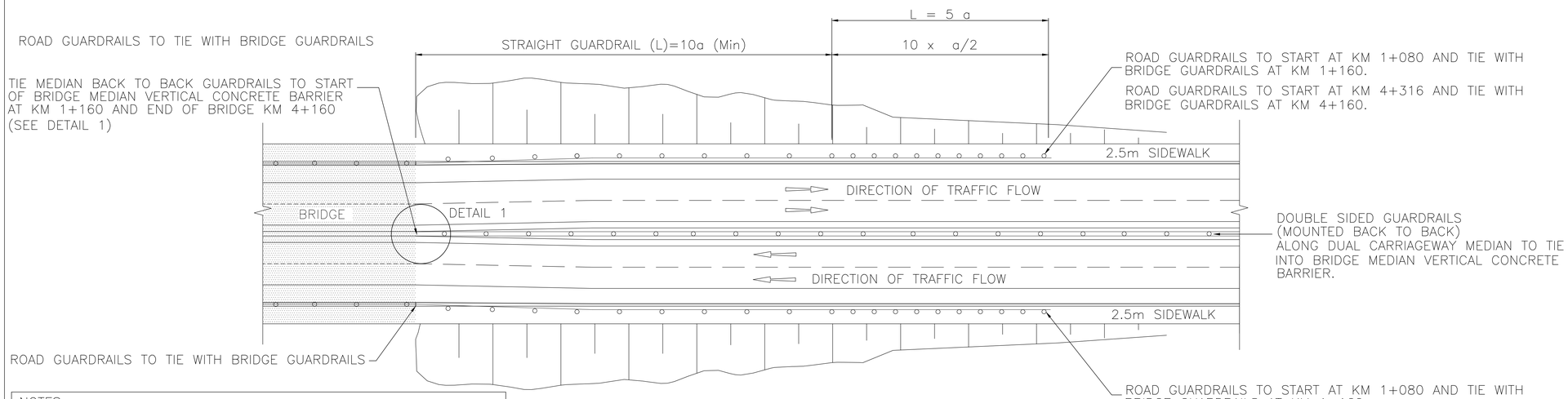
SCALE 1:50

NOTES:
1. a= 3810mm (NORMAL SPACING OF POLE)
2. GUARDRAILS TO BE OFFSET BEHIND BACK OF ROAD KERBS



FRONT ELEVATION OF ROAD GUARDRAILS

SCALE 1:50

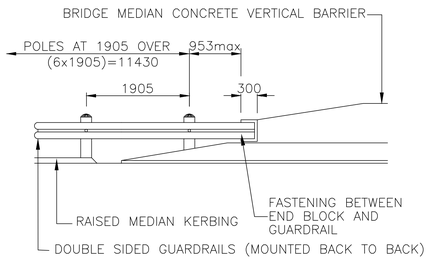


NOTES
1. a = 3810mm (NORMAL SPACING OF POLES)
2. ROAD GUARDRAILS APPLICABLE ONLY WHERE FILL IS HIGHER THAN 3000mm AND THROUGHOUT THE ROAD MEDIAN
3. ROAD MEDIAN GUARDRAILS (DOUBLE SIDED) TO TIE-INTO BRIDGE MEDIAN VERTICAL CONCRETE BARRIER
4. ROAD GUARDRAILS TO BE OFFSET BEHIND ROAD KERB

DUAL CARRIAGEWAY ROAD

SCALE 1:250

MIN LENGTH OF GUARDRAIL (EXCLUDING THE END SECTION)	
DESIGN SPEED	MIN LENGTH
100	85



DETAIL 1: ROAD MEDIAN (DOUBLE SIDED) GUARDRAILS TIE-INTO BRIDGE MEDIAN VERTICAL CONCRETE BARRIER

SCALE 1:40

CLIENT: THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF WORKS, TRANSPORT, AND COMMUNICATION
TANZANIA NATIONAL ROADS AGENCY (TANROADS)

CONSULTANT:
JOINT VENTURE OF
Yooshin ENGINEERING CORPORATION
&
CHEIL ENGINEERING
IN ASSOCIATION WITH
Afrisa
&
Apex Engineering

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT, DETAILED ENGINEERING DESIGN AND PREPARATION OF TENDER DOCUMENTS FOR CONSTRUCTION OF KIGONGO/BUSISI BRIDGE (3,200m) AND ITS APPROACH ROADS IN MWANZA; CONTRACT NO. TRD/HQ/1017/2016/17"

Designed	S.SIFUNDA
Drawn	S.SIFUNDA
Checked	H.RUGARABAMU
Approved	H.RUGARABAMU

Rev.	Date	Modification
01	14/12/2018	FOR CONSTRUCTION
02	21/02/2019	REVISED DETAILS

GUADRAIL ERECTION DETAILS

DRAWING No: T004/DS/Y-005

SCALE: AS SHOWN @A0

DATE: 21 FEBRUARY 2019