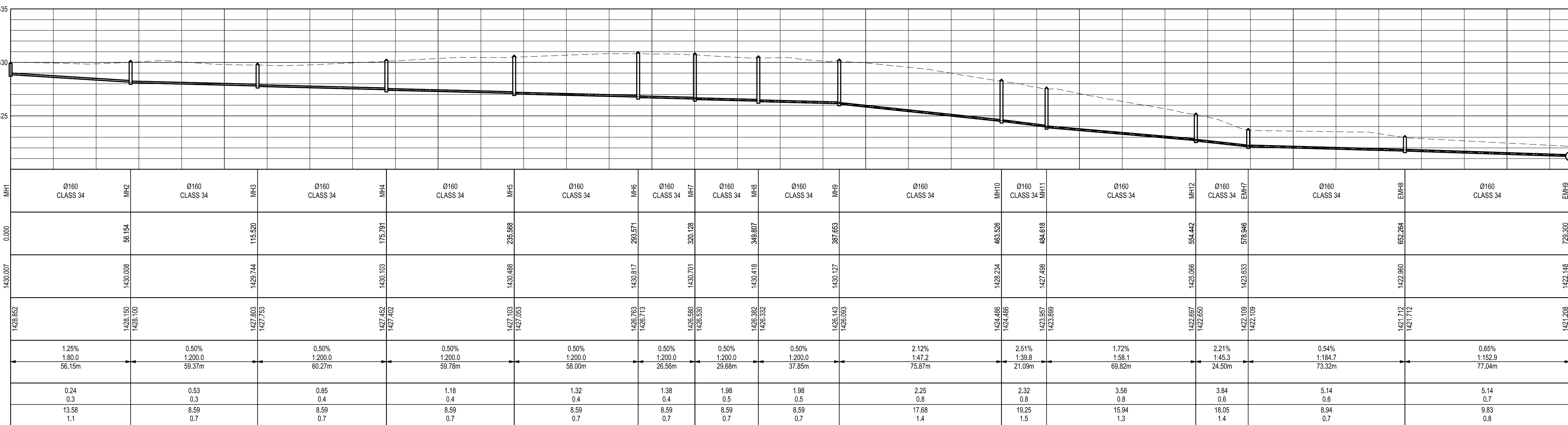


NGL - - - - -
EGL - - - - -
HGL - - - - -
SCALES:
Horizontal 1:750
Vertical 1:150

DATUM 1420.000

REFERENCE	
DISTANCE (m)	
GROUND LEVEL	
PIPE INVERT LEVEL	
SLOPE / LENGTH	
HYDRAULICS	DESIGN
	Q(l/s)
	V(m/s)
MAX. (0.80)	Q(l/s)
	V(m/s)
	V(m/s)

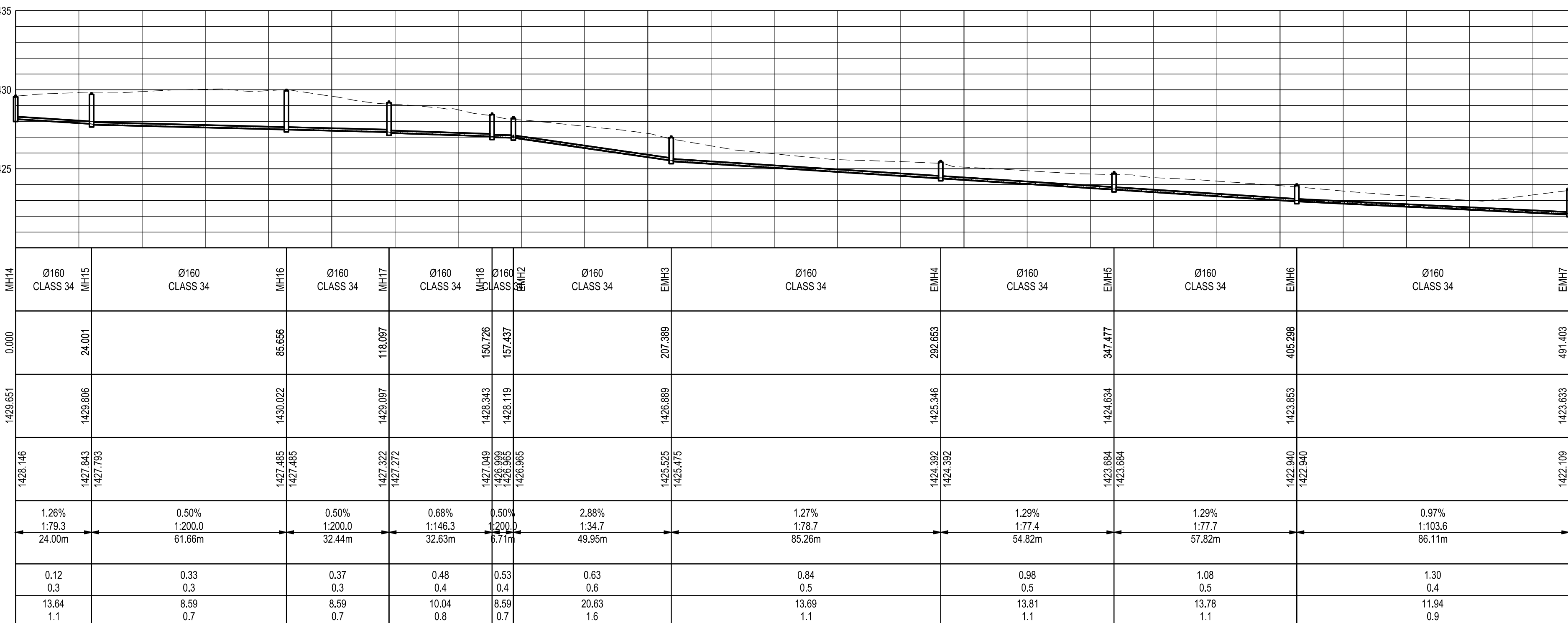


LONGSECTION VNB SEWER1
FROM 0.000 TO 729.300

NGL - - - - -
EGL - - - - -
HGL - - - - -
SCALES:
Horizontal 1:750
Vertical 1:150

DATUM 1420.000

REFERENCE	
DISTANCE (m)	
GROUND LEVEL	
PIPE INVERT LEVEL	
SLOPE / LENGTH	
HYDRAULICS	DESIGN
	Q(l/s)
	V(m/s)
MAX. (0.80)	Q(l/s)
	V(m/s)
	V(m/s)

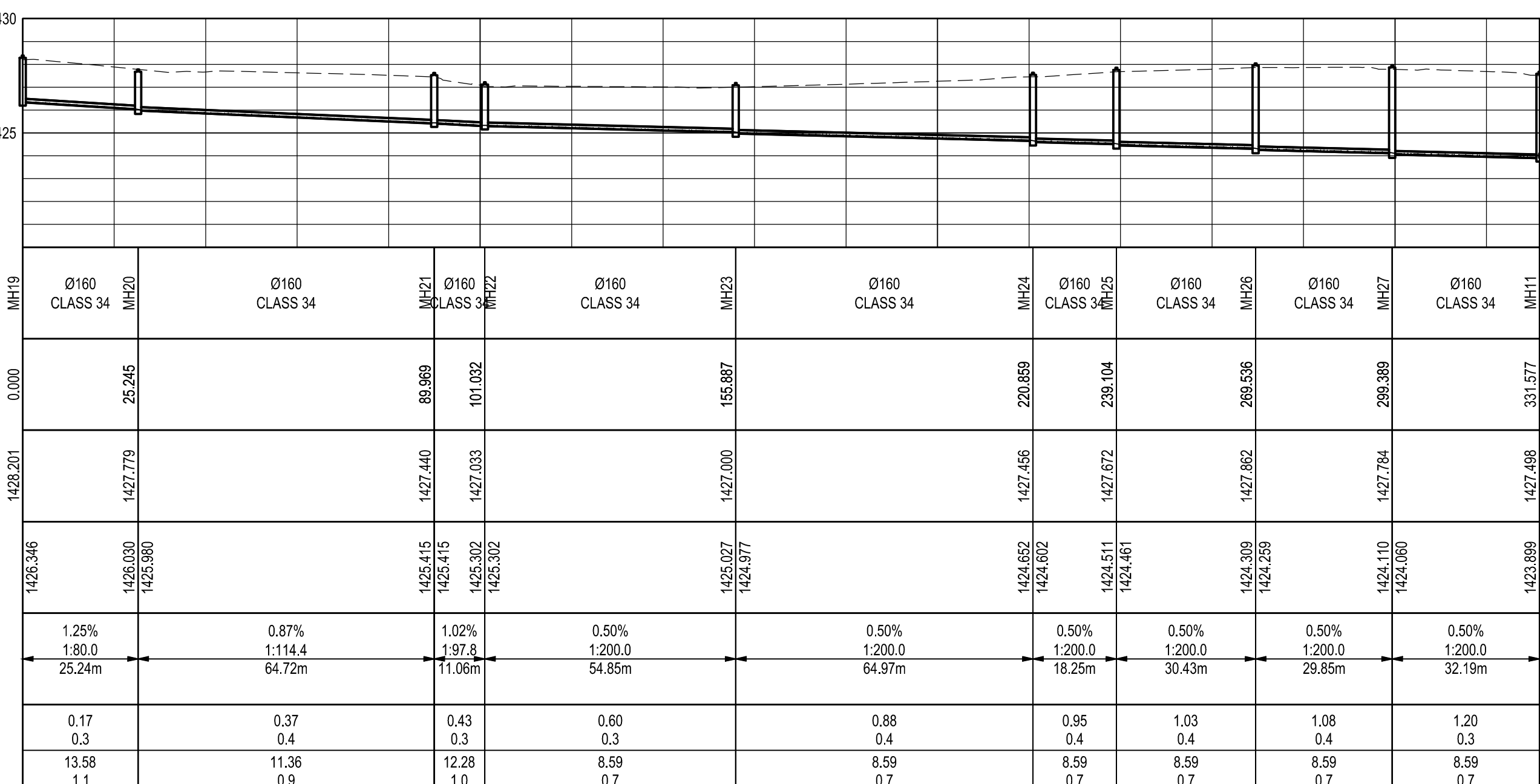


LONGSECTION VNB SEWER2
FROM 0.000 TO 491.403

NGL - - - - -
EGL - - - - -
HGL - - - - -
SCALES:
Horizontal 1:750
Vertical 1:150

DATUM 1420.000

REFERENCE	
DISTANCE (m)	
GROUND LEVEL	
PIPE INVERT LEVEL	
SLOPE / LENGTH	
HYDRAULICS	DESIGN
	Q(l/s)
	V(m/s)
MAX. (0.80)	Q(l/s)
	V(m/s)
	V(m/s)



LONGSECTION VNB SEWER3
FROM 0.000 TO 331.577

REFERENCE DRAWINGS	
DRAWING NUMBER	DESCRIPTION
S_TMR-2016/7-VENB501-D-0001	SEWER TYPICAL DETAILS
S_TMR-2016/7-VENB500-LA-0001	SEWER RETICULATION LAYOUT

LEGEND

- DEVELOPED STANDS
- EXISTING SEWER NETWORK
- EXISTING WATER NETWORK
- PROPOSED WATER LINES
- FIRE HYDRANT
- VALVE
- SEWER HOUSE CONNECTIONS

NOTES


- ALL DIMENSIONS ARE IN MILLIMETRES (mm), UNLESS SHOWN OTHERWISE.
- ALL REDUCED LEVELS ARE IN METRES ABOVE SEA LEVEL (masl) DRAWINGS.
- THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH SANS 1200.
- THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE STANDARD DRAWINGS FOR THE PROJECT (IF APPLICABLE).
- ALL PIPES AND FITTINGS ARE 1100 CLASS 34 uPVC TO SANS 791.
- FINAL POSITIONS FOR ALL THE CONNECTIONS SHALL BE FINALISED ON SITE.

AMENDMENTS				
NR	DATE	APPROVED	DESCRIPTION	PAK
A	07/2022	Z. MABHRI	ISSUED FOR CLIENT APPROVAL	

DESIGNED H. NKHONDO	DRAWN J. MACHABA
DESIGN CHECKED BY Z. MABHRI	CHECKED BY

PROJECT STATUS	
<input checked="" type="radio"/> PRELIMINARY DESIGN	<input type="radio"/> DESIGN DEVELOPMENT
<input type="radio"/> CONSTRUCTION DRAWING	<input type="radio"/> AS-BUILT DRAWING
PROJECT ENGINEER (CONSULTANT)	
INITIALS AND SURNAME	SIGNATURE AND P. No. DATE

SMCE - THABURE TMR JV



DEPARTMENT OF HUMAN SETTLEMENT



human settlements

Department of Human Settlements
FREE STATE PROVINCE

DRAWING APPROVED BY DIRECTOR

SIGNATURE DATE

LOCATION OF PROJECT
MATJHABENG LOCAL MUNICIPALITY
FREESTATE

DESCRIPTION OF PROJECT
SEWER RETICULATION
HOUSE CONNECTIONS LAYOUT

CONTRACT No. : HS-B01/2016/2017		PROJECT No. : HS-B01/2016/2017	
DATE : JULY 2022	SCALE : 1:1000	ORIGINAL PAPER SIZE: A0	
DRAWING NO. S_TMR-2016/7-VENB501-L5-0001	SHEET NO. 1 OF 2	REVISION	



KEY PLAN
NTS