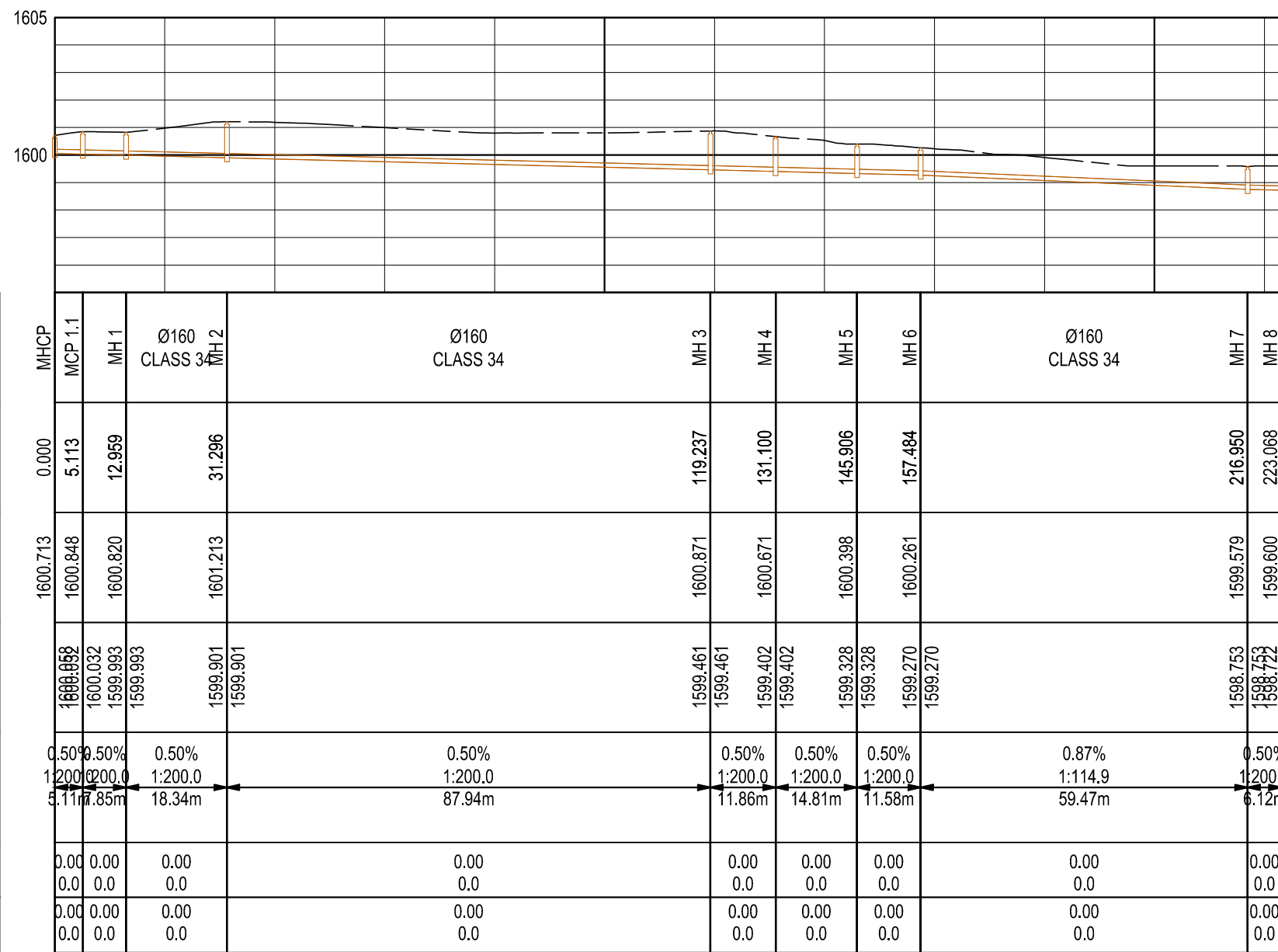


NGL - - - - -  
EGL - - - - -  
HGL - - - - -

SCALES:  
Horizontal 1:1000  
Vertical 1:200

DATUM 1595.000

REFERENCE		
DISTANCE (m)		
GROUND LEVEL		
PIPE INVERT LEVEL		
SLOPE / LENGTH		
HYDRAULICS	DESIGN	Q(l/s) V(m/s)
	MAX. (0.8D)	Q(l/s) V(m/s)



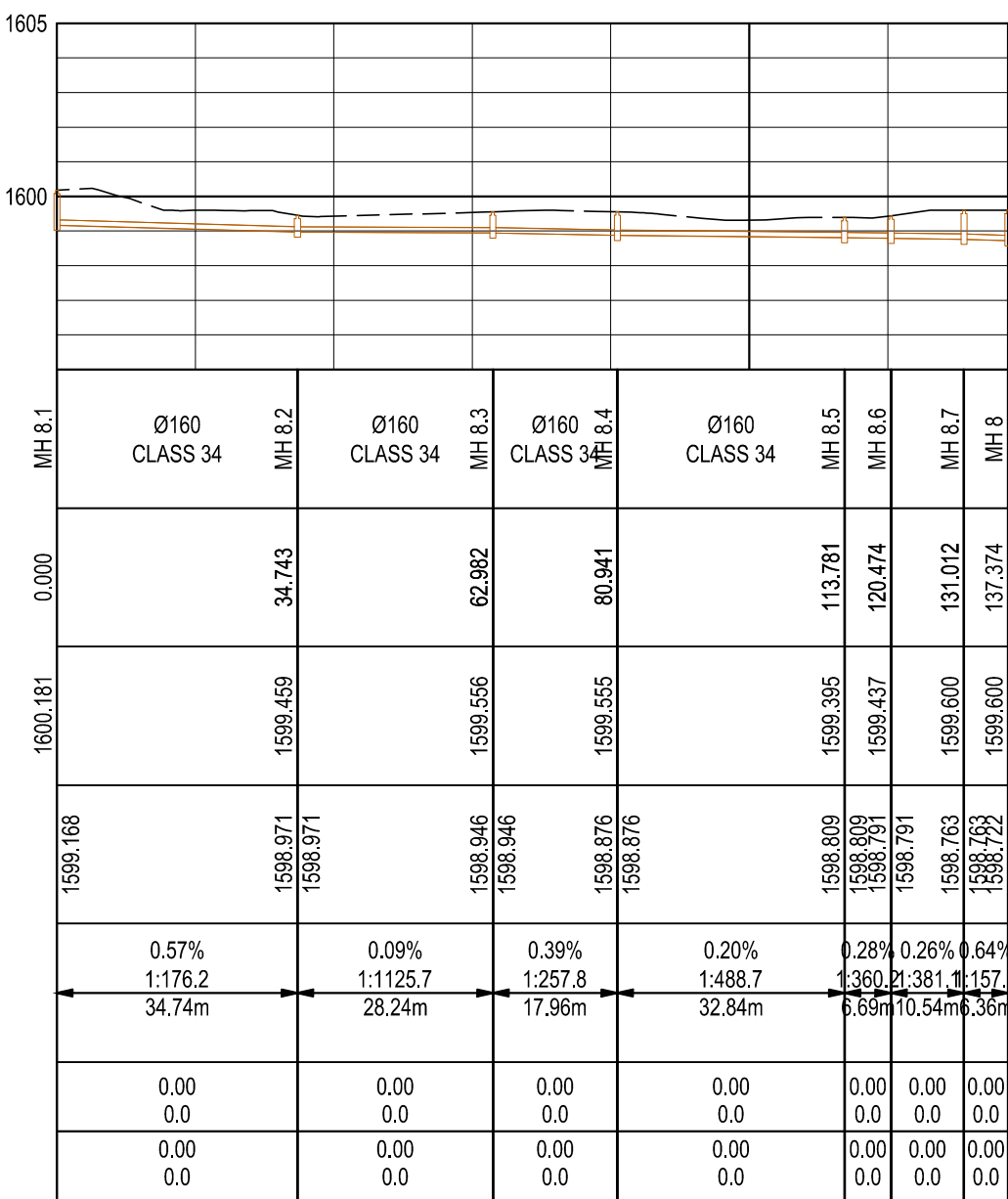
LONGSECTION LINE 1  
FROM 0.000 TO 223.068

NGL - - - - -  
EGL - - - - -  
HGL - - - - -

SCALES:  
Horizontal 1:1000  
Vertical 1:200

DATUM 1595.000

REFERENCE		
DISTANCE (m)		
GROUND LEVEL		
PIPE INVERT LEVEL		
SLOPE / LENGTH		
HYDRAULICS	DESIGN	Q(l/s) V(m/s)
	MAX. (0.8D)	Q(l/s) V(m/s)



LONGSECTION LINE 2  
FROM 0.000 TO 137.374

### STRUCTURE LIST-KG Line1

STRUCTURE NAME	Y	X
MCP	102 730.191	2 815 366.297
MCP 1.1	102 725.084	2 815 366.559
MH 1	102 720.417	2 815 372.865
MH 2	102 705.677	2 815 361.957
MH 3	102 653.365	2 815 432.648
MH 4	102 662.923	2 815 439.675
MH 5	102 674.851	2 815 448.446
MH 6	102 684.179	2 815 455.304
MH 7	102 732.090	2 815 490.529
MH 8	102 735.714	2 815 485.601

### STRUCTURE LIST-KG Line 2

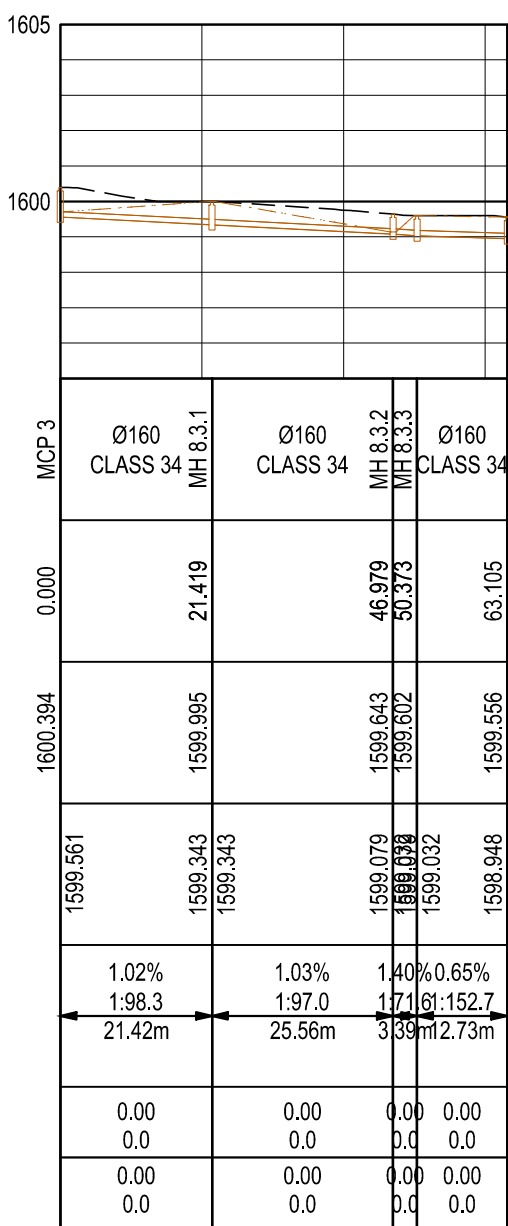
STRUCTURE NAME	Y	X
MH 8.1	102 770.710	2 815 396.869
MH 8.2	102 798.637	2 815 417.536
MH 8.3	102 781.957	2 815 440.322
MH 8.4	102 771.341	2 815 454.808
MH 8.5	102 751.938	2 815 481.303
MH 8.6	102 747.984	2 815 486.703
MH 8.7	102 739.482	2 815 480.475
MH 8	102 735.714	2 815 485.601

NGL - - - - -  
EGL - - - - -  
HGL - - - - -

SCALES:  
Horizontal 1:1000  
Vertical 1:200

DATUM 1595.000

REFERENCE		
DISTANCE (m)		
GROUND LEVEL		
PIPE INVERT LEVEL		
SLOPE / LENGTH		
HYDRAULICS	DESIGN	Q(l/s) V(m/s)
	MAX. (0.8D)	Q(l/s) V(m/s)



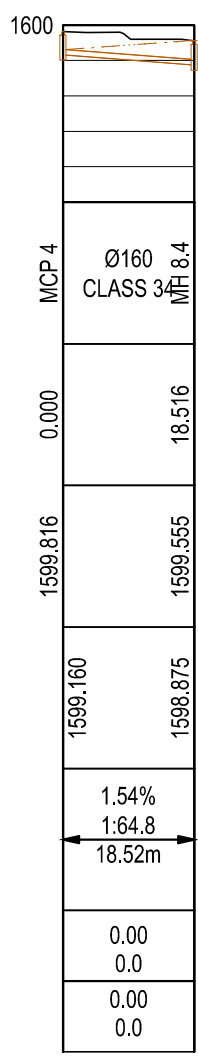
LONGSECTION LINE 3  
FROM 0.000 TO 63.105

NGL - - - - -  
EGL - - - - -  
HGL - - - - -

SCALES:  
Horizontal 1:1000  
Vertical 1:200

DATUM 1595.000

REFERENCE		
DISTANCE (m)		
GROUND LEVEL		
PIPE INVERT LEVEL		
SLOPE / LENGTH		
HYDRAULICS	DESIGN	Q(l/s) V(m/s)
	MAX. (0.8D)	Q(l/s) V(m/s)



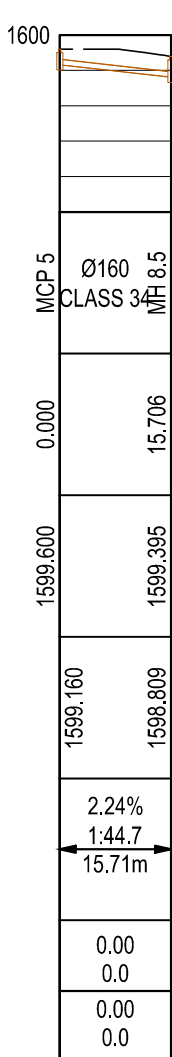
LONGSECTION LINE 4  
FROM 0.000 TO 18.516

NGL - - - - -  
EGL - - - - -  
HGL - - - - -

SCALES:  
Horizontal 1:1000  
Vertical 1:200

DATUM 1595.000

REFERENCE		
DISTANCE (m)		
GROUND LEVEL		
PIPE INVERT LEVEL		
SLOPE / LENGTH		
HYDRAULICS	DESIGN	Q(l/s) V(m/s)
	MAX. (0.8D)	Q(l/s) V(m/s)



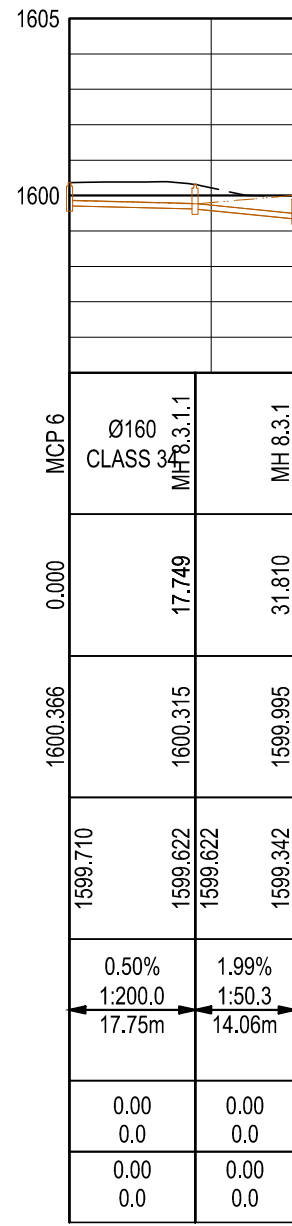
LONGSECTION LINE 5  
FROM 0.000 TO 15.706

NGL - - - - -  
EGL - - - - -  
HGL - - - - -

SCALES:  
Horizontal 1:1000  
Vertical 1:200

DATUM 1595.000

REFERENCE		
DISTANCE (m)		
GROUND LEVEL		
PIPE INVERT LEVEL		
SLOPE / LENGTH		
HYDRAULICS	DESIGN	Q(l/s) V(m/s)
	MAX. (0.8D)	Q(l/s) V(m/s)



LONGSECTION LINE 6  
FROM 0.000 TO 31.810

### STRUCTURE LIST-KG Line 3

STRUCTURE NAME	Y	X
MCP3	102 730.428	2 815 404.988
MH 8.3.1	102 747.708	2 815 417.645
MH 8.3.2	102 768.328	2 815 432.748
MH 8.3.3	102 771.723	2 815 432.748
MH 8.3	102 781.957	2 815 440.322

### STRUCTURE LIST-KG Line 4

STRUCTURE NAME	Y	X
MCP 4	102 756.407	2 815 443.869
MH 8.4	102 771.344	2 815 454.810

### STRUCTURE LIST-KG Line 5

STRUCTURE NAME	Y	X
MCP 5	102 739.268	2 815 472.022
MH 8.5	102 751.938	2 815 481.303

### STRUCTURE LIST-KG Line 6

STRUCTURE NAME	Y	X
MCP 6	102 721.504	2 815 414.670
MH 8.3.1.1	102 735.823	2 815 425.158
MH 8.3.1	102 747.708	2 815 417.645

### NOTES



REV NO.	DATE	DESCRIPTION
R00	2021-10-14	ISSUED FOR DETAIL DESIGN.

### REVISIONS

### PROJECT CONSULTANT

## PROJECTNEERS

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B. NCUBE	M. MAWIMBA	B. NCUBE	M. MAWIMBA

APPROVAL CONSULTANT  
B. TSHUMA

DATE: 2021-11-15  
THE MASTER HELD AT THE PROJECTNEERS CONSULTING MIDRAND OFFICE BEARS THE ORIGINAL SIGNATURE OF APPROVAL

PROJECT NAME  
PROPOSED PROVISION OF ADDITIONAL SCHOOL INFRASTRUCTURE AT GOAKGANYA PRIMARY SCHOOL ON BEHALF OF THE NORTH WEST DEPARTMENT OF EDUCATION (NW DoE)

PROJECT SITE  
GOAKGANYA PRIMARY SCHOOL, MADIBENG LOCAL MUNICIPALITY, NORTH WEST PROVINCE

SHEET TITLE  
PROPOSED SEWER LONG SECTIONS 1

DISCIPLINE  
CIVIL ENGINEERING

CONTRACT NUMBER  
RFP 268/2019

FILE NUMBER  
ZA2020\_2003

DRAWING NUMBER  
P/JN\_ZA\_2020\_2003\_DBSA\_GKPS\_CE\_3002\_R00

ISSUED FOR TENDER