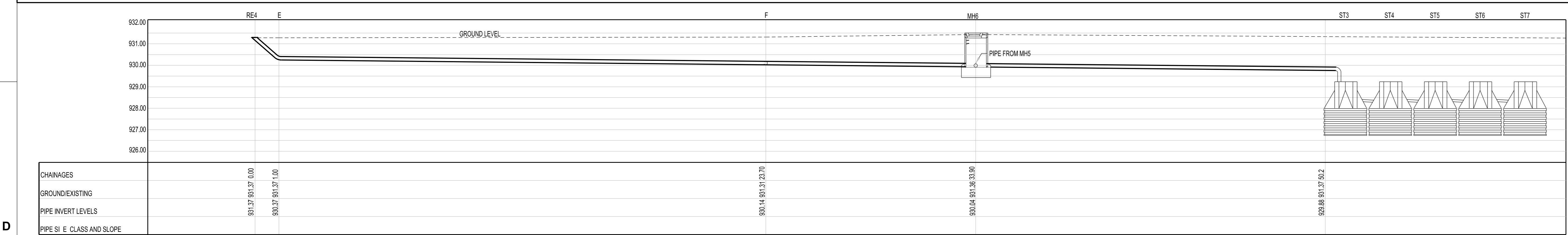
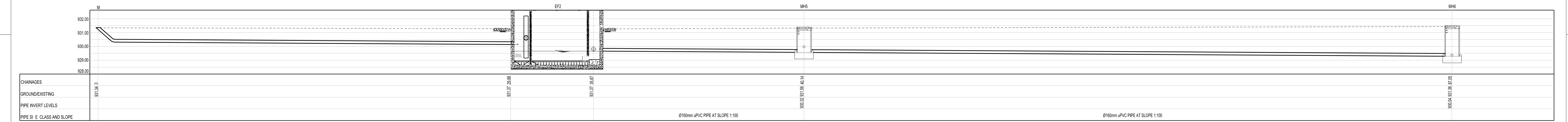


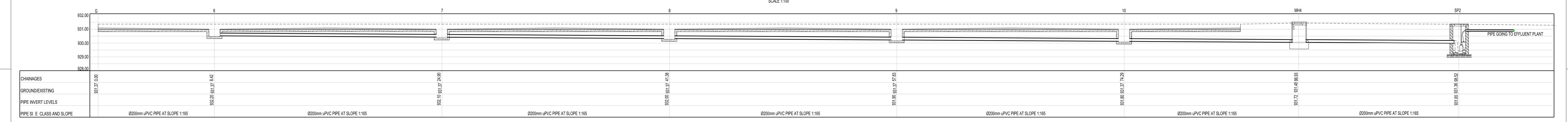
EFFLUENT & SEWER LAYOUT - NORTH PROVISIONAL FACILITIES
SCALE 1:100



SEWER LONGITUDINAL SECTION RE4-ST3
SCALE 1:100



SEWER LONGITUDINAL SECTION M-MH6
SCALE 1:100



EFFLUENT LONGITUDINAL SECTION G - EF2
SCALE 1:100

- NOTES**
- DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.
 - THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.
 - CONCRETE COVER : 50mm
 - ALL EXPOSED SHARP EDGES TO HAVE 20 x 20 mm CHAMFERS
 - FORMWORK AND SURFACE FINISH FORMED SURFACE:
 - a) VISIBLE SURFACE : SMOOTH
 - b) UNEXPOSED SURFACE : ROUGH
 - c) TOP OF HEAD WALLS : WOOD FLOATED

DRAWING NO.	REFERENCE
1	REFERENCE DRAWINGS

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
2	ISSUED FOR CLIENT REVIEW	TM	JB		27/10/2017
1	ISSUED FOR SQUAD CHECK	TM	JB		19/10/2017

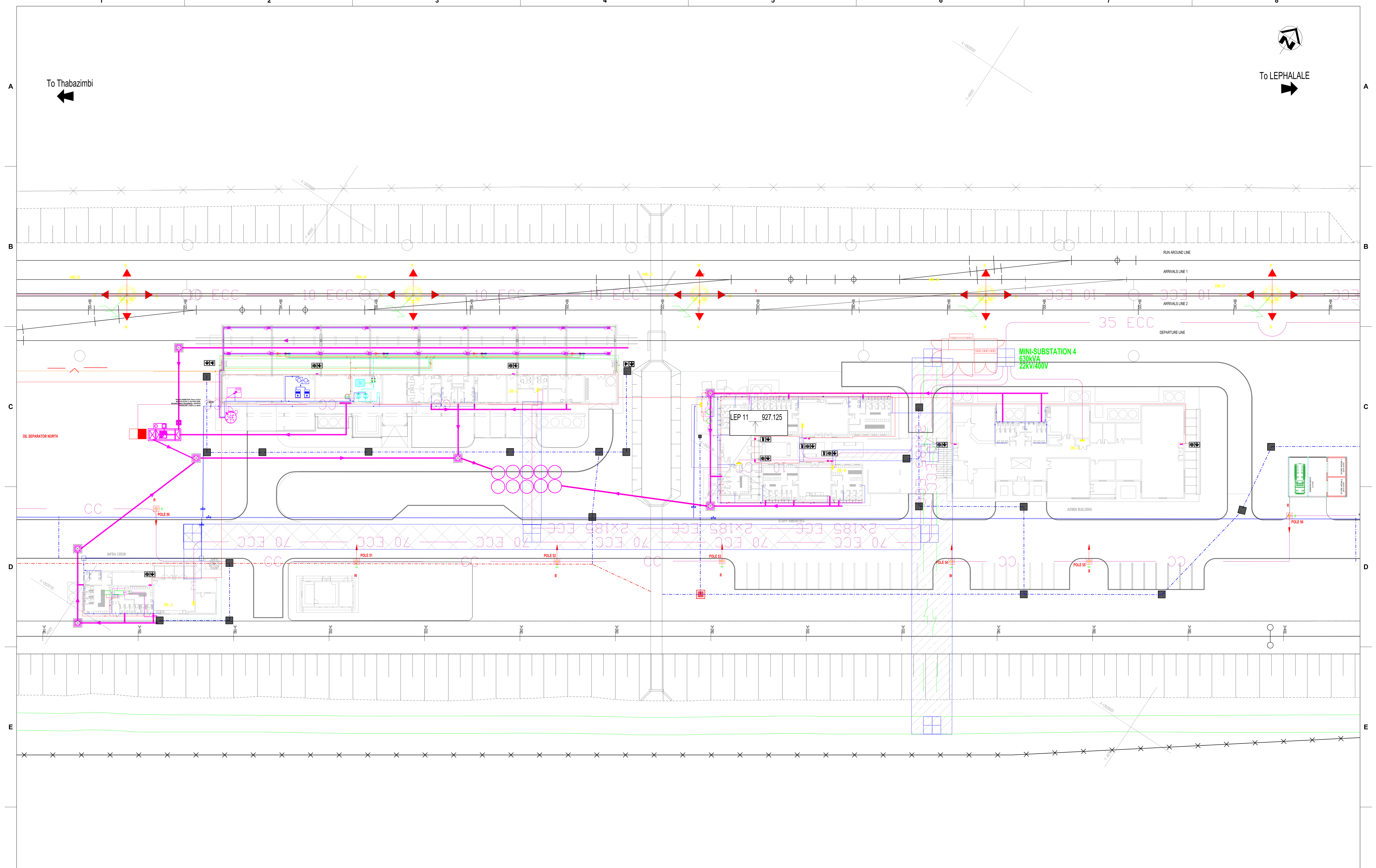
CONTRACTOR / CONSULTANT				TRANSNET CAPITAL PROJECTS			
TITLE	NAME	SIGN	DATE	TITLE	NAME	SIGN	DATE
				DRAWN	TM		27/10/17
				CHECKED	JB		27/10/17
				DESIGNED	TM		27/10/17
				CHECKED	JB		27/10/17

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JOHANNESBURG 2001
TEL: 011 308 3000
FAX: 011 308 2315

PYRAMID SOUTH - LEPHALALE
LEPHALE NSF YARD
WATERBERG STAGE 3
SEWER LONG SECTION
NORTH PROVISIONAL FACILITY

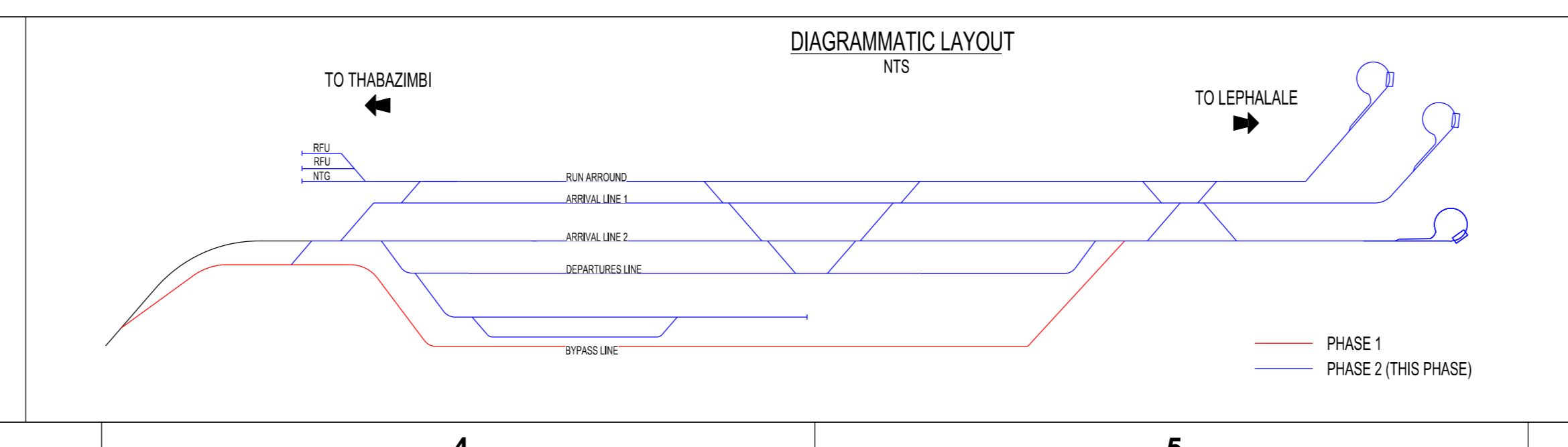
PR. ENG. / PR. TECH. / PR. ARCH
NAME: HEERA
SIGNATURE: *Heera*
DATE: 05/11/17
REG. NUMBER: 900398

PROJECT NUMBER	OD	FBS	DSS	TYPE	DRAWING NO.	SHEET	REV	ID
4.2.4.3.0.2	4	1	A	5	C	L	A	000403.2



DRAWING NO.	REFERENCE
1	REFERENCE DRAWINGS

- NOTES**
- DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.
 - THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.
 - LOCAL CHANGES GIVEN TO BE USED FOR CONSTRUCTION PURPOSES ONLY
 - SURVEY DATUM TO WGS84 AND msl.
 - SURVEYOR MUST INSTALL PROFILE PEGS AT 10m INTERVALS ON VERTICAL CURVES AND STAKE TRANSITION CURVES AT 10m INTERVALS AS WELL.
 - SURVEYOR MUST STAKE CIRCULAR CURVES SHORTER THAN 25m AT 10m INTERVALS.
- SPECIFICATIONS**
- S - CLASS RAILWAY LINE
 - 26 TON/AXLE LOADING
 - DISTRIBUTED POWER TRAINS
 - DESIGN SPEED 80 KM/H
 - 600 kg/m TANGENTIAL SETS
 - 60E1 GRADE 350 LIT TYPE RAILS
 - CWR JOINTS
 - PY TYPE SLEEPERS AND FASTENERS AT 650 mm SPACING
 - 1600 m³/km BALLAST (300 mm UNDER SLEEPER)



REVISIONS

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
2	ISSUED FOR CLIENT REVIEW	SM	JB		25-10-2017
1	ISSUED FOR SQUAD CHECK	SM	JB		16-10-2017

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CONTRACTOR / CONSULTANT				TRANSNET CAPITAL PROJECTS			
TITLE	NAME	SKIN	DATE	TITLE	NAME	SKIN	DATE
-	-	-	-	DRAWN	SM	JB	16 10 17
-	-	-	-	CHECKED	JB		16 10 17
-	-	-	-	DESIGNED	SM	JB	16 10 17
-	-	-	-	CHECKED	JB		16 10 17
OPERATING DIVISIONS				PR.ENG. / PR.TECH./PR. ARCH			
TITLE	NAME	SKIN	DATE	NAME	SKIN	DATE	DATE
-	-	-	-	PR.ENG. / PR.TECH./PR. ARCH			
-	-	-	-	SIGNATURE	<i>Kyhera</i>	05 11 17	
-	-	-	-	REG. NUMBER	94038		
-	-	-	-	SCALE	AS SHOWN		

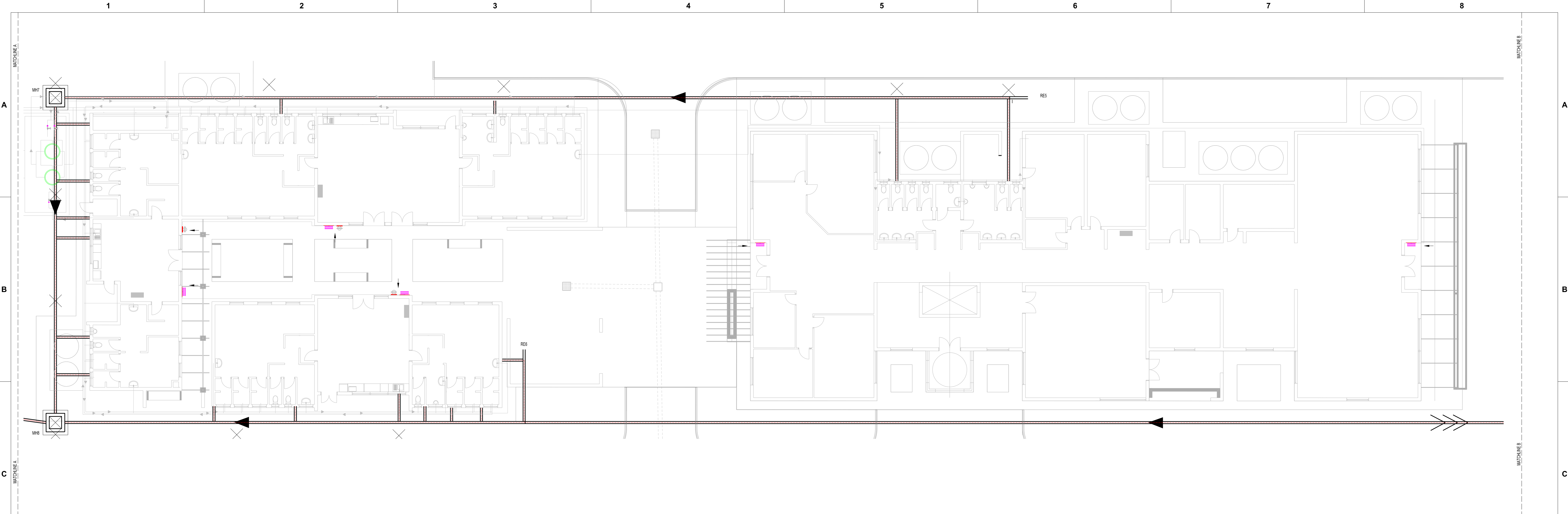
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 CARLTON CENTRE
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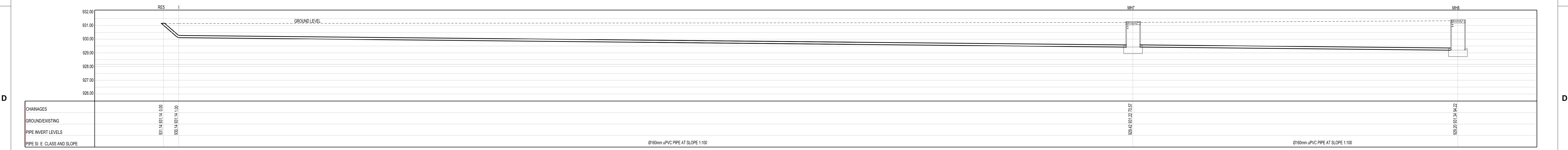
THABAZIMBI - LEPHALALE

LEPHALE NSF YARD
 WATERBERG - STAGE 3
 PLAN LAYOUT - COMBINED SERVICES (NORTH FACILITIES)
 KM 3+140 TO KM 3+400

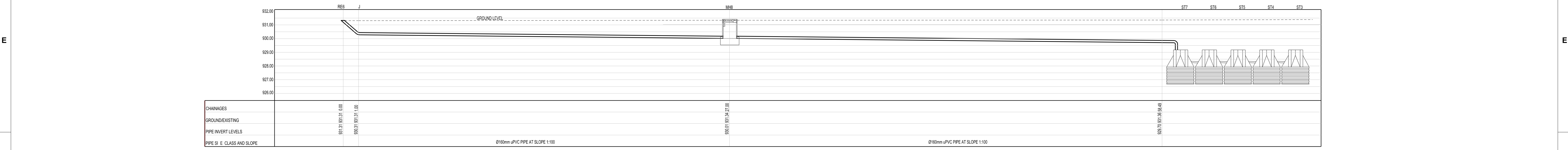
PROJECT NUMBER	DD	FBS	DSS	TYPE	DRAWING NO.	SHEET	REV	ID
AO3	4	2	4	3	0	2	4	1
A5	C	L	A	0	0	1	1	1
1	1	1	2	SM				



SEWER LAYOUT - ADMIN BUILDING & STAFF AMENITIES
SCALE 1:100



SEWER LONGITUDINAL SECTION RE5-MH8
SCALE 1:100



SEWER LONGITUDINAL SECTION RE6-ST12
SCALE 1:100

DRAWING NO.	REFERENCE
1	REFERENCE DRAWINGS

NOTES
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 2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
2	ISSUED FOR CLIENT REVIEW	TM	JB		27/10/2017
1	ISSUED FOR SQUAD CHECK	TM	JB		19/10/2017

CONTRACTOR / CONSULTANT		TRANSNET CAPITAL PROJECTS	
TITLE	NAME	NAME	DATE
		PR. ENG. / PR. TECH. / PR. ARCH	
		NAME: HEERA	DATE
		SIGNATURE: <i>Heera</i>	05/11/17
		REG. NUMBER: 980398	
		SCALE: AS SHOWN	

OPERATING DIVISIONS	
TITLE	DATE

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 JOHANNESBURG 2001
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 FAX: 011 308 2315

**LEPHALALE NSF YARD
 WATERBERG STAGE 3
 SEWER LONG SECTION
 ADMIN BUILDING**

PROJECT NUMBER	OD	FBS	DNS	TYPE	DRAWING NO.	SHEET	REV	ID
AO3.4	2	4	3	0	2	4	1	A5

SCALE: AS SHOWN

