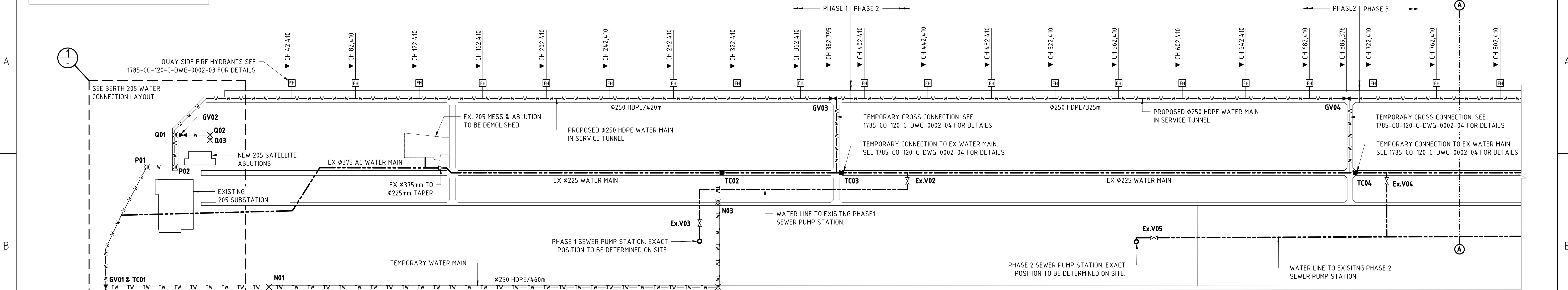


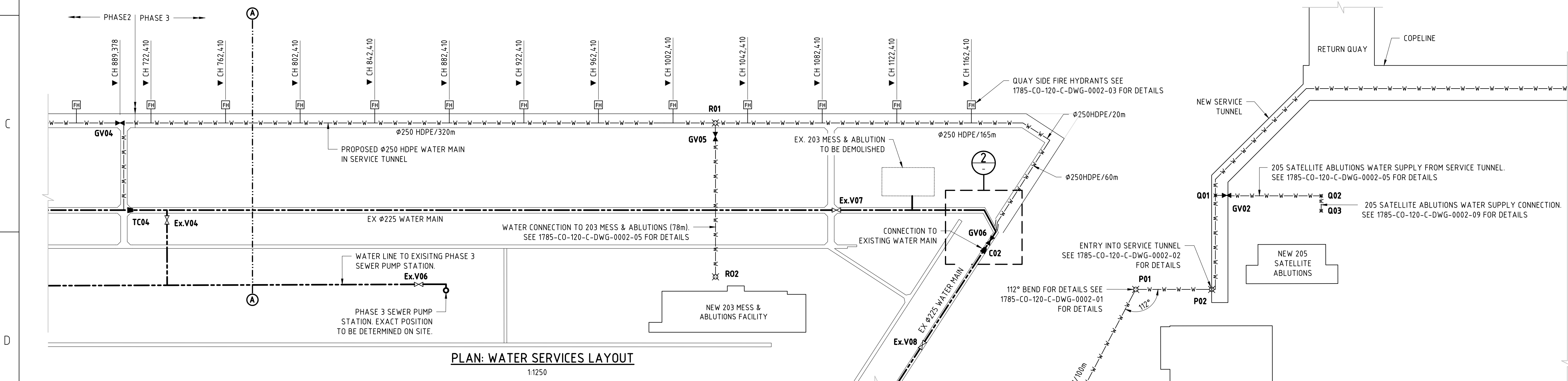
NOTE: THE WORD 'PHASE' REFERS TO 'SECTION' AS DEFINED IN THE WORKS INFORMATION.

DO NOT SCALE - IF IN DOUBT, ASK



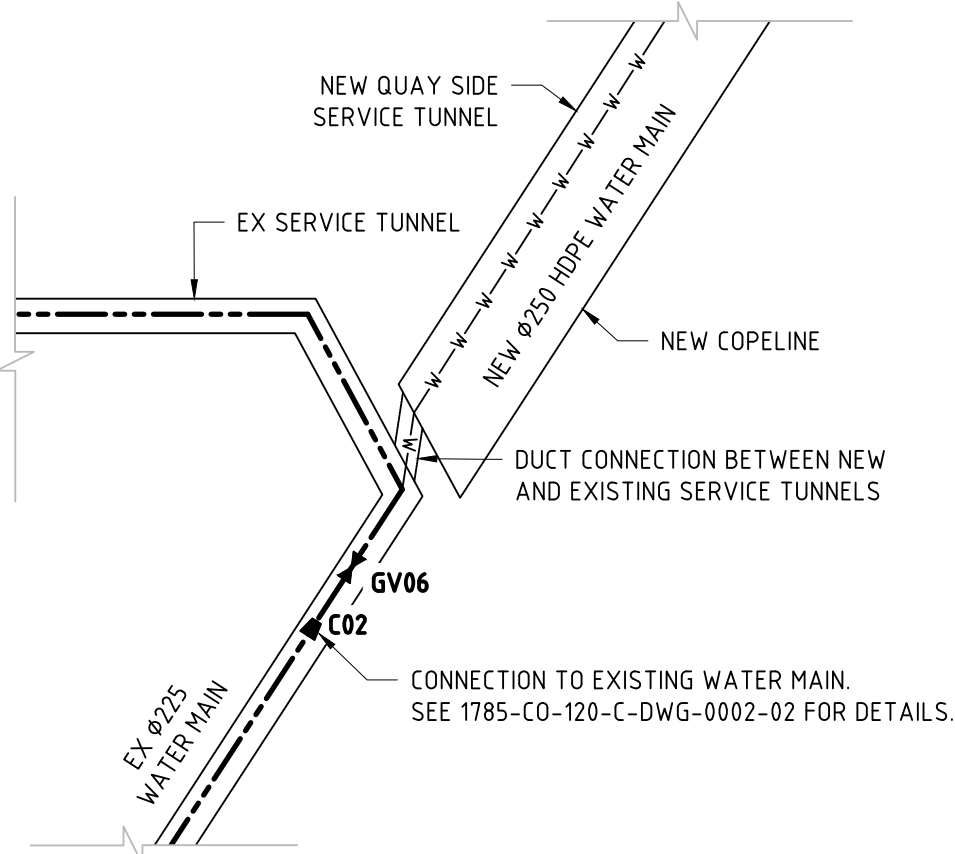
PLAN: WATER SERVICES LAYOUT

1:1250



PLAN: WATER SERVICES LAYOUT

1:1250



DETAIL 2 BERTH 203 WATER CONNECTION LAYOUT

1:500

DETAIL 1 BERTH 205 WATER CONNECTION LAYOUT

1:500

**KEY**

- EXISTING WATER LINE
- PROPOSED WATER LINE
- TEMPORARY WATER LINE
- NEW FIRE HYDRANTS
- NEW ISOLATION VALVE
- REDUCING COUPLER
- EXISTING ISOLATION VALVE
- EXISTING TAPER

SETTING OUT (WG31)		
	X	Y
☉ C01	3306890.450	-1123.536
☉ C02	3306599.001	-2330.198
☉ N01	3306909.106	-1225.220
☉ N02	3306846.805	-1500.618
☉ N03	3306794.789	-1488.828
☉ P01	3306852.487	-1133.454
☉ P02	3306848.708	-1150.124
☉ Q01	3306828.985	-1146.374
☉ Q02	3306824.122	-1167.827
☉ Q03	3306827.250	-1168.536
☉ R01	3306572.817	-2171.373
☉ R02	3306653.470	-2189.732
☉ TC01	3306931.767	-1125.047
☉ TC02	3306776.625	-1484.711
☉ TC03	3306759.596	-1559.854
☉ TC04	3306688.214	-1874.754

NOTE:  
ALL HDPE WATER PIPES ARE TO BE PE 100 CLASS 16 WITH A STANDARD DIAMETER RATIO OF 11 IN ACCORDANCE WITH ISO 4427.  
HDPE PIPES ARE TO BE JOINED TOGETHER BY ELECTROFUSION COUPLING IN ACCORDANCE WITH SANS 10286 PART 2.  
DETAILS OF THE WATER SUPPLY CONSTRUCTION PHASING ARE SHOWN IN 1785-CO-120-C-DWG-0003-01

Engineers				EPCM CONSULTANT: <b>TNPA</b>		ORIGINATOR: <b>ZAA</b>		Transnet National Ports Authority	
P O Box 26546 HOUT BAY 7872 Tel: +27(21) 791 9100 E-Mail: zaaepna@zaaepna.com		31 Melkhou Crescent Hout Bay 7806 Fax: +27(21) 790 4470		TITLE LEAD DES. ENG. ENG. COORD. ENG. MANAGER AREA MANAGER PROJECT MGR. DIVISION		NAME SIGNATURE DATE 19/07/26 19/07/26		237 MAHATMA GANDHI ROAD DURBAN P.O. BOX 31683, DURBAN TEL: 031 361 8852	
1785-CO-120-C-DWG-0002 1785-CO-120-C-DWG-0002 DRAWING NO. REFERENCE		WATER SUPPLY PHASING DETAILS WATER SUPPLY TYPICAL DETAILS		NO. DESCRIPTION BY CHK'D APP'D DATE		PR.ENG. / PR. TECH. NAME SIGNATURE DATE 19/07/26		<b>PORT OF DURBAN</b> DCT BERTHS 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING	
PROJECT NO DIS CODE AREA DISP TYPE DRG NO SHEET STATUS REV		1785 C0120 C DWG 0001 01 T 0A		REVISIONS / ISSUE AUTHORIZATION		REG. NUMBER SCALE : 1:1000		<b>WATER SUPPLY GENERAL ARRANGEMENT</b>	
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