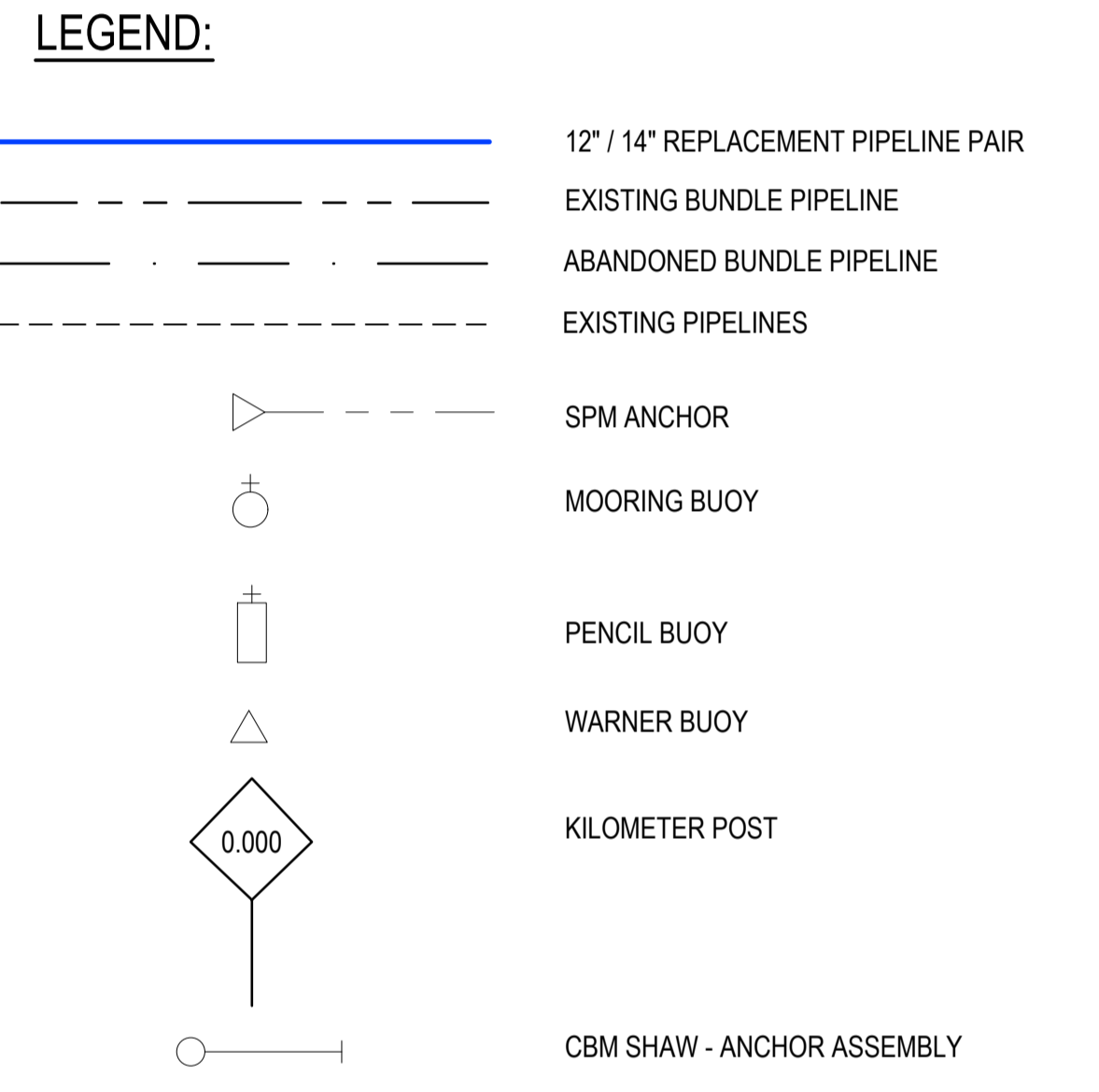


- NOTES:**
- ALL COORDINATES, GRIDS AND WATER DEPTHS ARE IN METRES UNLESS NOTED OTHERWISE.
 - COORDINATES: CAPE DATUM, MODIFIED CLARKE 1880 ELIPSOID UTM GRID ZONE 34S, CENTRAL MERIDIAN 21°. FALSE EASTING 500,000M FALSE NORTHING 10,000,000M SCALE FACTOR 0.9996.
 - WATER DEPTH CONTOURS ARE REDUCED TO L.A.T.
 - 12" - 14" PIPELINE PAIR CLEARANCE FROM THE ABANDONED BUNDLE ALLOWS FOR RECOVERY OF THE ABANDONED PIPELINE.
 - THE ORDER OF THE 12" AND 14" PIPELINES INDICATED IS SUBJECT TO CONFIRMATION OF THE RELEVANT POSITION OF 12" AND 14" PIPELINES INSIDE THE BUNDLE CARRIER PIPE AT THE TIE-IN POINT.
 - KP NUMBERING BASED ON PETROSA DRAWING 76QZ005D001, REV 4.
 - ALL DETAILS ARE PRELIMINARY AND SHALL BE CONFIRMED DURING DETAILED DESIGN BY CONTRACTORS.
 - CBM MOORING & PENCIL BUOYS, SPM PIPELINE MARKER & PENCIL BUOYS, SPM PLEM, AND SPM ANCHOR POSITIONS PROVIDED BY PETROSA CORRESPONDENCE (EMAIL FROM COLIN GOVENDER, 03 FEBRUARY 2020 12:13, SUBJECT: P074.1019: CBM & SPM COORDINATES).
 - CBM PIPELINES, WATER PIPELINE, COASTLINE AND 500M ZONE POSITIONS TAKEN FROM SANHO - INT 7521 SAN 1020.
 - CBM ANCHOR POSITIONS AND BATHYMETRY CONTOURS TAKEN FROM PETROSA DRAWING 76QZ005D001 REV 4.
 - SPM PIPELINE POSITION TAKEN FROM SANHO - INT 7521 SAN 1020 AND PETROSA CORRESPONDENCE (EMAIL FROM COLIN GOVENDER, 03 FEBRUARY 2020 12:13, SUBJECT: P074.1019: CBM & SPM COORDINATES).
 - PIPELINE PAIR WILL BE BURIED ALONG THEIR LENGTH BETWEEN THE REPLACEMENT TIE-IN STRUCTURE AND THE REPLACEMENT PLEM WITH TRANSITIONS FROM SEABED TO BURIAL DEPTH STARTING APPROXIMATELY 20m FROM EACH STRUCTURE. THE STRUCTURES ARE NOT BURIED AND ARE INSTALLED DIRECTLY ONTO THE SEABED AT DATUM.
 - PIPELINE PAIR ARRANGEMENT MAY VARY DEPENDANT ON ORIENTATION OF 12" & 14" PIPELINES WITHIN CARRIER PIPE.



A PROCEED

B PROCEED CHANGES AS NOTED AND RESUBMIT

C DO NOT PROCEED CHANGE AS NOTED AND RESUBMIT

D INFORMATION ONLY

AUTHORISATION TO PROCEED DOES NOT RELIEVE CONTRACTOR OF RESPONSIBILITY UNDER THE CONTRACT

Confirmed by.....Date.....

PIPELINE REPAIR FEED STUDY - EXTERNAL BULKHEAD ASSEMBLY GENERAL ARRANGEMENT	C-0022-PLD-DWG-006								
PIPELINE REPAIR FEED STUDY - SPM TIE-IN PLEM STRUCTURE GENERAL ARRANGEMENT	C-0022-PLD-DWG-005								
PIPELINE REPAIR FEED STUDY - BUNDLE TIE-IN STRUCTURE GENERAL ARRANGEMENT	C-0022-PLD-DWG-004	A	17.04.20	AC	17.04.20	17.04.20	20.04.20		ISSUED FOR CLIENT APPROVAL
PIPELINE REPAIR FEED STUDY - TIE-IN ARRANGEMENT AT SPM	C-0022-PLD-DWG-003	02	24.03.20	AC	24.03.20	24.03.20	27.03.20		ISSUED FOR CLIENT REVIEW
PIPELINE REPAIR FEED STUDY - TIE-IN ARRANGEMENT AT BUNDLE	C-0022-PLD-DWG-002	01	16.03.20	AC	16.03.20	16.03.20	20.03.20		ISSUED FOR INTERNAL REVIEW
REFERENCE DRAWINGS DESCRIPTION	DRAWING NUMBER	REV	DATE	DRAWN	CHK. DATE	ENG. DATE	APP. DATE		REVISION DESCRIPTION

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PRODUCED ON CAD
NO ORIGINAL AVAILABLE. ALL FUTURE REVISIONS TO BE DONE ON CAD

TKIS DOCUMENT No. :
LOEO-00224-PIP-CONS-0013

CONSUS DOCUMENT No. :
C-0022-PLD-DWG-001

DRAWN BY : AC
DATE : 20.04.2020

CHECKED : AY
DATE : 20.04.2020

ENGINEER : AY
DATE : 20.04.2020

APPROVED : RC
DATE : 21.04.2020

PROJECTION

ITEM No.	No OFF	DESCRIPTION	MATERIAL
		PetroSA	
		THE PETROLEUM OIL & GAS CORPORATION OF SOUTH AFRICA (SOC) LTD	
		PIPELINE REPAIR FEED STUDY FIELD LAYOUT DRAWING	
SCALE	SIZE	PROJECT NUMBER	DRAWING NUMBER
1:5,500@A1	A1	N/A	N/A
			REV
			A