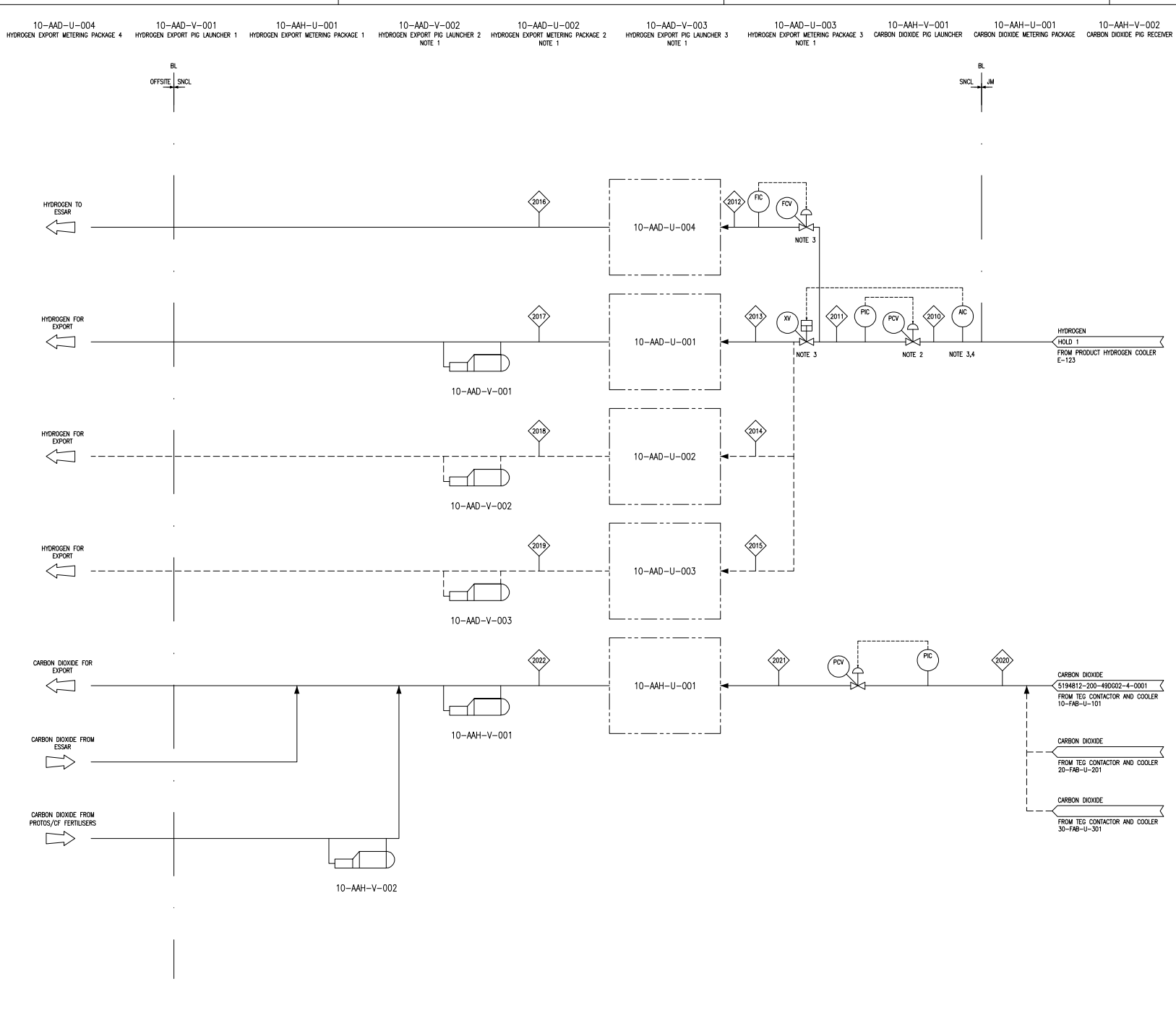


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- NOTES**
- THE UFD'S SHOW BOTH PHASE 1 EQUIPMENT IN SOLID LINES AND FUTURE PHASE EQUIPMENT IN DASHED LINES. CONNECTIONS TO FUTURE HYDROGEN GENERATION TRAINS WILL BE ADDED DURING THE DESIGN AND ENGINEERING OF THOSE TRAINS. PCV PROVIDED TO MAINTAIN CONSTANT DOWNSTREAM PRESSURE TO ACCOUNT FOR FLUCTUATIONS IN USER DEMAND.
 - ANALYSER TO CLOSE XV ON PRODUCT HYDROGEN BEING OFF-SPEC FOR EXPORT. FCV PROVIDED TO MAINTAIN CONSTANT FLOW TO ESSAR.
 - ANALYSER TO INITIATE SHUTDOWN ON PRODUCT HYDROGEN BEING OFF-SPEC FOR BOTH EXPORT AND ESSAR.

- LEGEND**
- PHASE 1 SCOPE
 - PHASE 2/3 SCOPE
 - VENDOR PACKAGE LIMIT

HOLDS
1. JOHNSON MATTHEY PFD NUMBERS

REV.	DATE	REVISION DESCRIPTION	PREP'D	CHK'D	APP.
05	28/08/2020	RE-ISSUED FOR DESIGN	YK	ROB	MW
04	10/06/2020	RE-ISSUED FOR DESIGN	JB	RO	MW
03	10/03/2020	ISSUED FOR DESIGN	JB	RO	MW
02	02/03/2020	ISSUED FOR CONSORTIUM REVIEW	JB	RO	MW
01	19/01/2020	ISSUED FOR IDC	JB	RO	MW

SCALE	NTS	ORIGINAL DRAWING SIZE	A0
PROJECT			
LOW CARBON HYDROGEN (LCH) FEED			
TITLE			
UTILITY FLOW DIAGRAM CARBON DIOXIDE AND HYDROGEN EXPORT			
PROJECT NO.	DRAWING NUMBER	REV	
5194812	5194812-000-49DG02-4-0007-01	05	