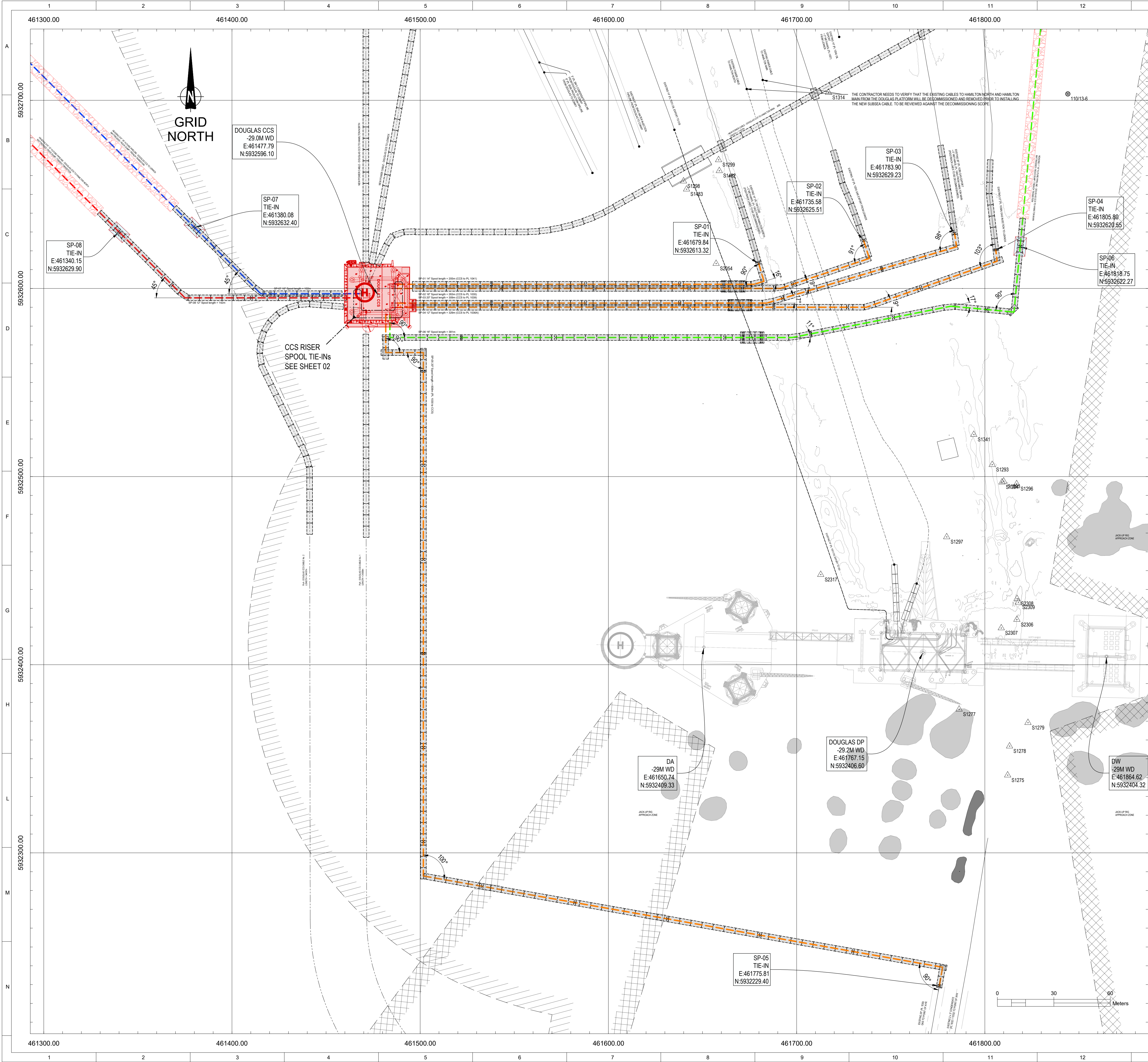




REFERENCE DOCUMENTS

NUMBER	TITLE
1025H0BSDN84002	OVERALL FACILITY SCHEMATIC
1025H0BGRV09422	PIPELINE/CABLE ROUTE ENGINEERING GEOLOGICAL GROUND MODEL
1025H0BGRV09420	PHASE 2C NEARSHORE ENGINEERING GEOLOGICAL GROUND MODEL

KEY PLAN

GENERAL NOTES

- ALL DIMENSIONS AND COORDINATES ARE IN METRES UNLESS NOTED OTHERWISE.
- GLOBAL COORDINATE REFERENCE SYSTEM: European Datum 1950 UTM Zone 30N (EPSG: 23030)

PROJECTED COORDINATE SYSTEM	European Datum 1950 UTM Zone 30N
PROJECTION	TRANSVERSE MERCATOR
LINEAR UNIT	METERS (1.0)
FALSE EASTING	500000.0
FALSE NORTHING	0.0
CENTRAL MERIDIAN	-3.0
SCALE FACTOR	0.9996
LATITUDE OF ORIGIN	0.0

GEOGRAPHIC COORDINATE SYSTEM	European Datum 1950
ANGULAR UNIT	DEGREE (0.0174532925199433)
PRIME MERIDIAN	GREENWICH (0.0)
DATUM	European 1950
SPHEROID	International 1924
SEMMIAJOR AXIS	6378388.0
SEMMINOR AXIS	6356911.946127946
INVERSE FLATTENING	297

- PIPELINE ROUTING IS PRELIMINARY AND SUBJECT TO CHANGE BASED ON SURVEY INFORMATION.
- WATER DEPTHS GIVEN FOR INFORMATION ONLY.
- LAYOUT IS COMPILED FROM VARIOUS SOURCES AND THEREFORE IS SUBJECT TO CONFIRMATION.
- PRELIMINARY ROUTING BASED ON EXISTING SEABED ARCHITECTURE AROUND EACH PLATFORM.
- DOUGLAS ACCOMMODATION AND WELLHEAD PLATFORMS TO BE IN-PLACE AT THE TIME OF THE INSTALLATION OF NEW PIPELINES AT THE DOUGLAS CCS PLATFORM.
- PIPELINE APPROACH TO EACH PLATFORM AND SPOOL DETAILS TO BE CONFIRMED.
- FIELD LAYOUT BASED ON THE PRELIMINARY LOCATION OF NEW RISERS AT EXISTING PLATFORMS (HAMILTON MAIN, HAMILTON NORTH, LENNOX AND DOUGLAS CCS PLATFORM).
- FINAL LOCATION OF RISERS AT EACH PLATFORM TO BE CONFIRMED.
- DRILLING JACK-UP CORRIDOR AND FOOTPRINT AROUND PLATFORMS TO BE CONFIRMED.
- FIELD LAYOUT TO BE REVIEWED AGAINST THE DECOMMISSIONING SCOPE FOR THE PROJECT.
- FOR OFFSHORE NEW PIPELINES FIELD LAYOUT, SEE DRAWING No. 1023DSBSDN84003.
- FOR OFFSHORE POWER CABLES & FIBRE OPTIC FIELD LAYOUT, SEE DRAWING No. 1025H0BSDG84104.
- FOR OFFSHORE PIPELINES APPROACH DRAWING - DOUGLAS CCS PLATFORM, SEE DRAWING No. 105600BSDN84152.
- SIZE OF TARGET BOX SHOWN IN DRAWING IS INDICATIVE, ACTUAL SIZE IS 6 x 3m REFER TO DOC. No. 23025.ENG.PLI.PRGR DESIGN OF OFFSHORE PIPELINES.
- CONCRETE SLEEPER SUPPORTS TO BE COATED WITH NEOPRENE.

LEGEND

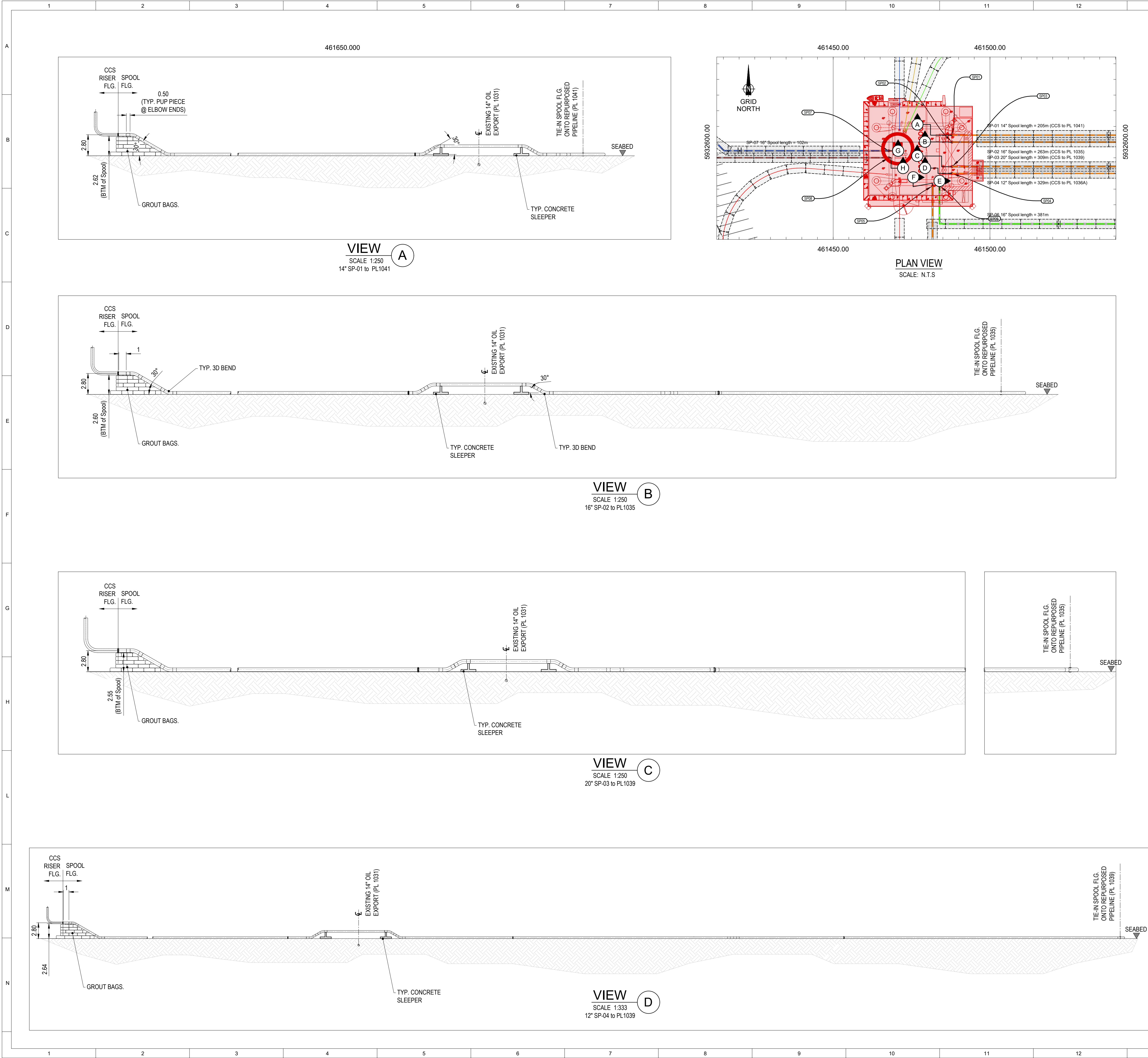
	FUTURE DENSE PHASE PIPELINE - DOUGLAS CCS TO HAMILTON NORTH.
	FUTURE DENSE PHASE PIPELINE - DOUGLAS CCS TO LENNOX.
	FUTURE DENSE PHASE PIPELINE - DOUGLAS CCS TO HAMILTON MAIN.
	NEW POWER CABLES.
	EXISTING PIPELINES / UMBILICALS / POWER CABLES.
	TIE-IN SPOOL TO RE-PURPOSED PIPELINE.
	CONCRETE MATTRESS PROTECTION (6 x 3 x 0.3m) U.N.O.
	JACK-UP RIG EXCLUSION ZONE.
	PROHIBITED ANCHORING EXCLUSION ZONE 200m RADII.
	ROCK DUMP EXTENTS OVER NEW PIPELINES (100m EXTENT), OVER REPURPOSED PIPELINE TIE-INS (50m EXTENT).

CD-FE	02	07.09.2023	RE-ISSUED FINAL	N.Z.	M.R.	S.G.
CD-FE <td>01<td>18.08.2023<td>RE-ISSUED FOR COMMENT<td>N.Z.<td>M.R.<td>S.G.</td></td></td></td></td></td>	01 <td>18.08.2023<td>RE-ISSUED FOR COMMENT<td>N.Z.<td>M.R.<td>S.G.</td></td></td></td></td>	18.08.2023 <td>RE-ISSUED FOR COMMENT<td>N.Z.<td>M.R.<td>S.G.</td></td></td></td>	RE-ISSUED FOR COMMENT <td>N.Z.<td>M.R.<td>S.G.</td></td></td>	N.Z. <td>M.R.<td>S.G.</td></td>	M.R. <td>S.G.</td>	S.G.
CD-FE <td>00<td>18.07.2023<td>ISSUED FOR COMMENT<td>N.Z.<td>M.R.<td>S.G.</td></td></td></td></td></td>	00 <td>18.07.2023<td>ISSUED FOR COMMENT<td>N.Z.<td>M.R.<td>S.G.</td></td></td></td></td>	18.07.2023 <td>ISSUED FOR COMMENT<td>N.Z.<td>M.R.<td>S.G.</td></td></td></td>	ISSUED FOR COMMENT <td>N.Z.<td>M.R.<td>S.G.</td></td></td>	N.Z. <td>M.R.<td>S.G.</td></td>	M.R. <td>S.G.</td>	S.G.

Revision Index	Date	Description	Prepared	Checked	Approved	Eni UK
Company logo and business name						

Facility and Sub Facility Name	Project Name	Scale	Sheet of Sheets
DOUGLAS SUBSEA	LBA CCS Transport and Storage	1:1000 @A1	1 / 3

Document Title	Supersedes N.	Plant Area	Plant Unit
REPURPOSED PIPELINES NEW SPOOL TIE-IN DRAWING - DOUGLAS CCS		NA	NA



REFERENCE DOCUMENTS

NUMBER	TITLE
1025H0BSDN84002	OVERALL FACILITY SCHEMATIC
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1025H0BGRV09420	PHASE 2C NEARSHORE ENGINEERING GEOLOGICAL GROUND MODEL

KEY PLAN

GENERAL NOTES

1. ALL DIMENSIONS AND COORDINATES ARE IN METRES UNLESS NOTED OTHERWISE.

2. GLOBAL COORDINATE REFERENCE SYSTEM: European Datum 1950 UTM Zone 30N (EPSG: 23030)

PROJECTED COORDINATE SYSTEM
PROJECTION
LINEAR UNIT
FALSE EASTING
FALSE NORTHING
CENTRAL MERIDIAN
SCALE FACTOR
LATITUDE OF ORIGIN

European Datum 1950 UTM Zone 30N
TRANSVERSE MERCATOR
METERS (1.0)
500000.0
0.0
-3.0
0.9996
0.0

GEOGRAPHIC COORDINATE SYSTEM
ANGULAR UNIT
PRIME MERIDIAN
DATUM
SPHEROID
SEMMIAJOR AXIS
SEMINOR AXIS
INVERSE FLATTENING

European Datum 1950
DEGREE (0.0174532925199433)
GREENWICH (0.0)
European 1950
International 1924
6378388.0
6356911.946127946
297

3. ALL SPOOL BENDS TO HAVE 500mm PUP PIECE WELDED AT BOTH ENDS OF ELBOW.

4. ALL VERTICAL & HORIZONTAL BENDS TO BE 3D, SUITABLE FOR INTELLIGENT TOOL INSPECTION ROUTINES.

5. ALL VERTICAL SWAN-NECK BENDS (RISER & CROSSING LOCATIONS) TO BE 3D, 30° BENDS U.N.O.

LEGEND

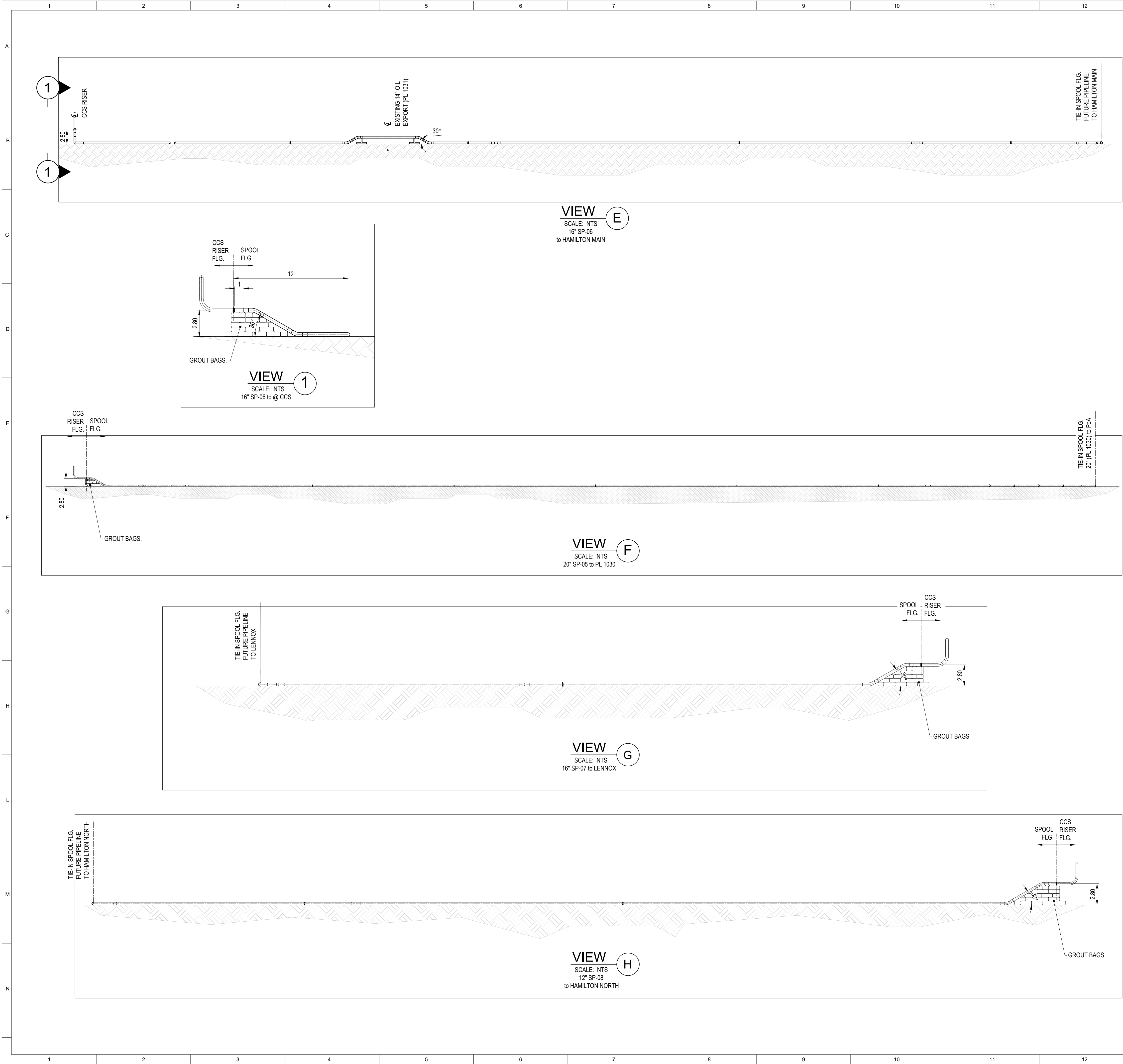
START OF TIE-IN (SP CCS)	Easting	Northing	Longitude	Latitude	END OF TIE-IN	Easting	Northing	Longitude	Latitude
SP-01	461,487.86	5,932,602.20	W3° 34' 52"	N53° 32' 23.19"	14° PL 1041	461,679.84	5,932,613.32	W3° 34' 41.58"	N53° 32' 23.87"
SP-02	461,487.88	5,932,606.00	W3° 34' 52"	N53° 32' 23.32"	16° PL 1035	461,795.58	5,932,625.51	W3° 34' 38.50"	N53° 32' 24.03"
SP-03	461,487.89	5,932,592.20	W3° 34' 51.99"	N53° 32' 22.87"	20° PL 1039	461,783.90	5,932,629.23	W3° 34' 35.93"	N53° 32' 24.14"
SP-04	461,487.85	5,932,590.01	W3° 34' 51.99"	N53° 32' 22.8"	12° PL 1036A	461,805.80	5,932,620.55	W3° 34' 34.74"	N53° 32' 23.87"
SP-05	461,481.68	5,932,586.00	W3° 34' 52.33"	N53° 32' 22.67"	20° PL 1039	461,775.81	5,932,629.60	W3° 34' 36.39"	N53° 32' 23.21"
SP-06	461,483.89	5,932,586.00	W3° 34' 52.33"	N53° 32' 22.67"	TARGET BOX (H)	461,818.75	5,932,622.57	W3° 34' 34.66"	N53° 32' 23.93"
SP-07	461,467.71	5,932,597.21	W3° 34' 53.09"	N53° 32' 23.03"	TARGET BOX (L)	461,380.08	5,932,632.40	W3° 34' 57.83"	N53° 32' 24.14"
SP-08	461,467.73	5,932,595.01	W3° 34' 53.09"	N53° 32' 22.95"	TARGET BOX (H)	461,340.15	5,932,629.90	W3° 35' 0.64"	N53° 32' 24.05"

CD-FE	02	07.09.2023	RE-ISSUED FINAL	N.Z.	M.R.	S.G.	
CD-FE	01	18.08.2023	RE-ISSUED FOR COMMENT	N.Z.	M.R.	S.G.	
Validity	02	18.07.2023	ISSUED FOR COMMENT	N.Z.	M.R.	S.G.	
Revision	Index	Date	Description	Prepared	Checked	Approved	Eni UK
Company logo and business name			Company Document ID				
enigiuk			105600BSDN84154				
Job: N. JA0614							
Facility and Sub Facility Name		Project Name		Scale	Sheet of Sheets		
DOUGLAS SUBSEA		LBA CCS Transport and Storage		AS SHOWN	2 / 3		
Document Title				Supersedes N.		Plant Unit	
REPURPOSED PIPELINES NEW SPOOL TIE-IN DRAWING - DOUGLAS CCS				N.A.		N.A.	

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Software: AutoCad

Filename: 105600BSDN84154_CDFE02_01 to 03.DWG



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0.9996
0.0

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ANGULAR UNIT
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DATUM
SPHEROID
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CD-FE	02	07.09.2023	RE-ISSUED FINAL	N.Z	M.R	S.G	
CD-FE	01	18.08.2023	RE-ISSUED FOR COMMENT	N.Z	M.R	S.G	
Validity	02	18.07.2023	ISSUED FOR COMMENT	N.Z	M.R	S.G	
Revision	Number	Date	Description	Prepared	Checked	Approved	Eni UK
Company logo and business name				Company Document ID			
			105600BSDN84154				
			Job: N. JA0614				
Facility and Sub Facility Name	Project Name		Scale	Sheet of Sheets			
DOUGLAS SUBSEA	LBA CCS Transport and Storage		AS SHOWN	3 / 3			
Document Title	REPURPOSED PIPELINES NEW SPOOL TIE-IN DRAWING - DOUGLAS CCS			Supersedes N.			
			Plant Area				
			Plant Unit				

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