

"Proyecto Alba – Nuevas Plantas de Poliolefinas, Plataformas Logísticas y Offsites"

Data: 01/04/2025

DOSSIER DA QUALIDADE

Documentação Técnica e Certificação

CAPÍTULO 3.3: PLANOS RED-LINE**✓ APROVADO.**

Planos com anotações e modificações realizadas em obra.

VALIDAÇÃO E VERIFICAÇÃO

Ação	Responsável	Data	Assinatura
Elaborado por: Tecnico da Qualidade	José Antunes	31/03/2025	
Aprovado por: Diretor de Obra	Luis salvado	01/04/2025	

Notas/Observações:

VALIDAÇÃO REPSOL	ASSINATURA/CARIMBO
Responsável:	
Data:	

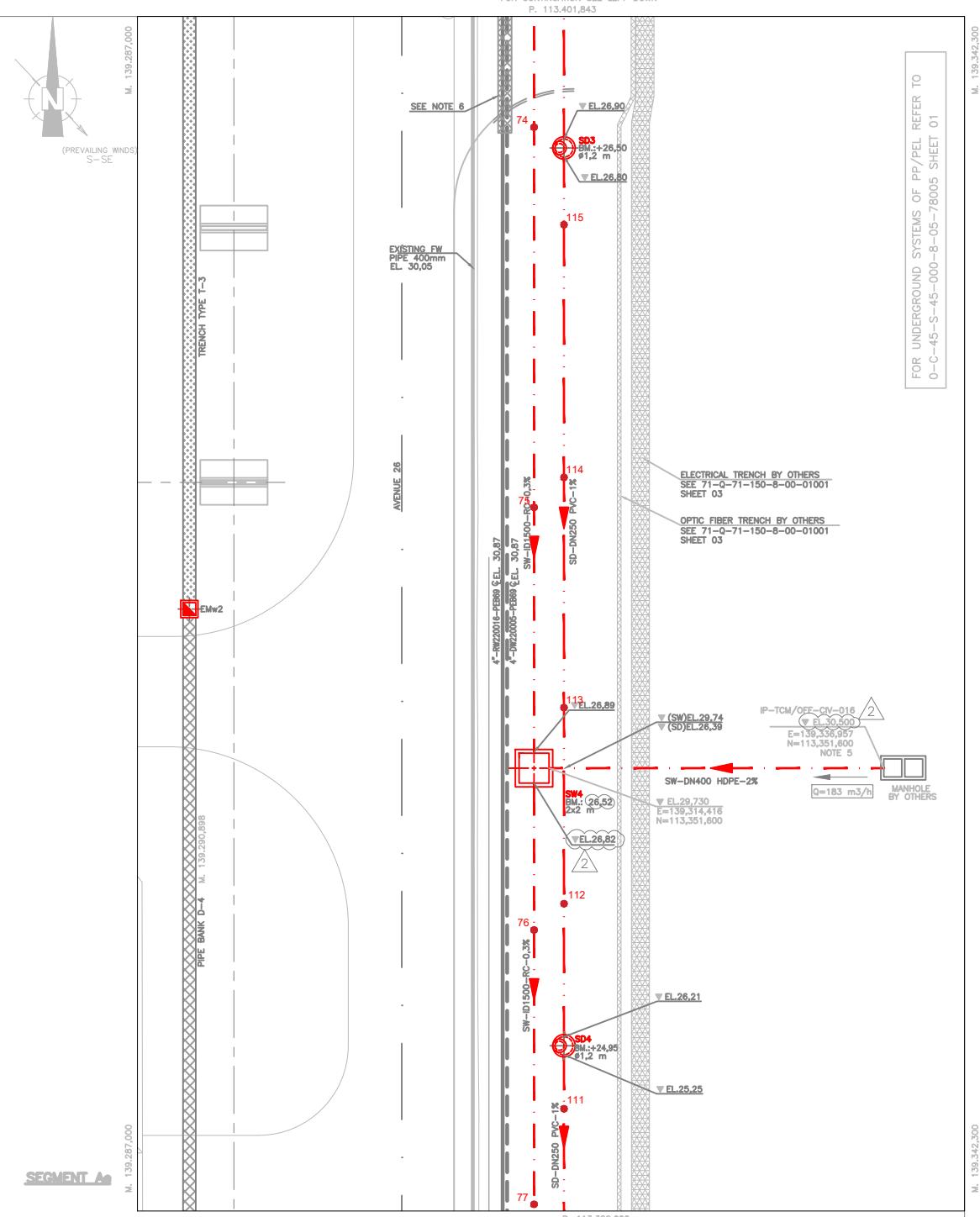
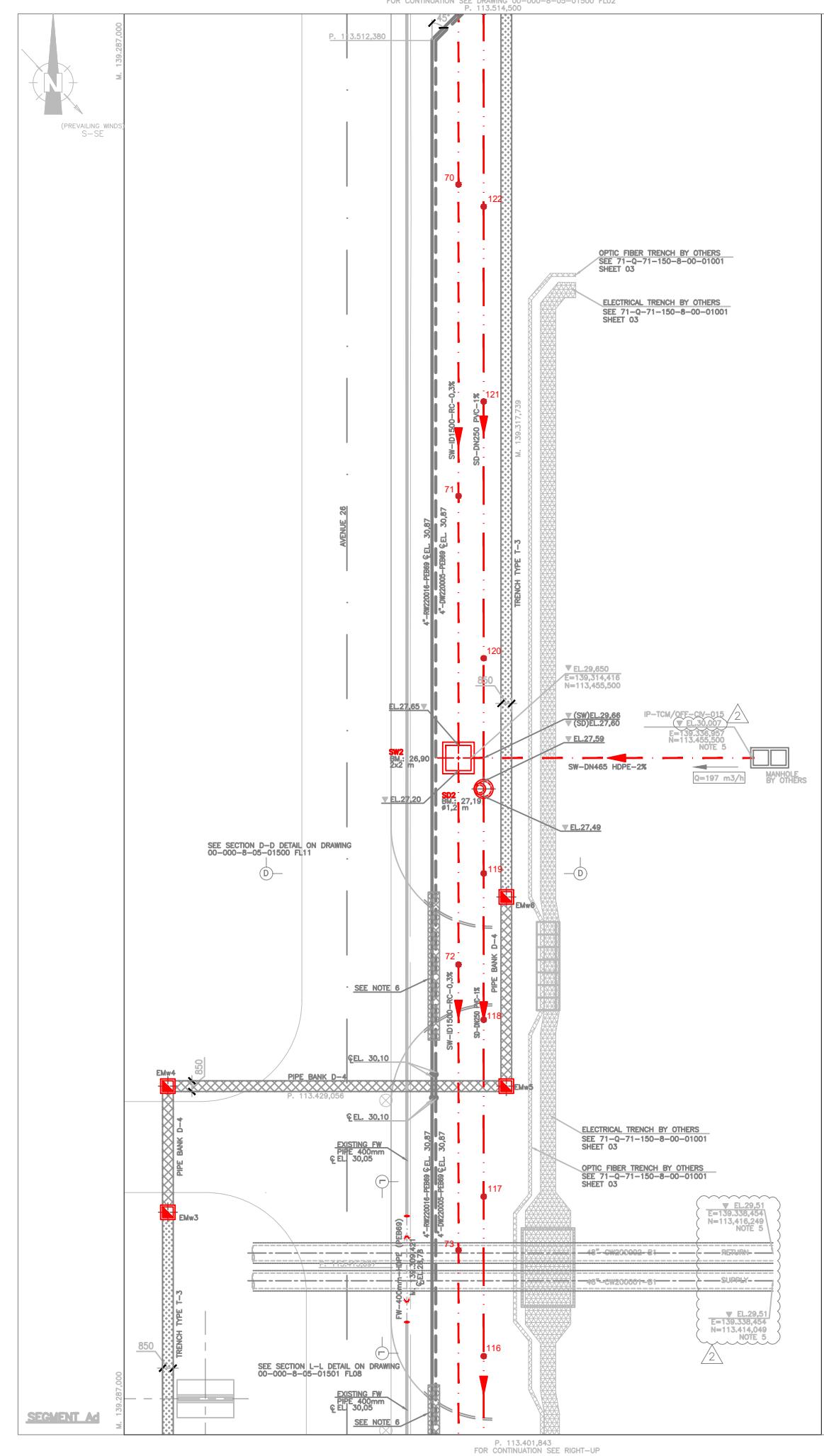
DOSSIER DE QUALIDADE

 <small>INFRAESTRUCTURAS Y SERVICIOS</small>	Empreitada: 4001008 - "Nuevas Plantas de Poliolefinas, Plataformas Logísticas Y Offsites"	DOCUMENTO Nº: DATA: 31/01/2025 FOLHA Nº : / DE:
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3.3 PLANOS RED-LINE

ITEM	DESCRIÇÃO DOCUMENTAL	Nº FOLHAS	CÓDIGO
1	OFFSITES ALBA-UNDERGROUND SYSTEMS-LOGISTIC PLATFORM_PP AND PEL GENERAL ARRANGEMENT SEGMENT Aa-Ab & Ac	1	00-000-8-05-01500 FL02
2	OFFSITES ALBA-UNDERGROUND SYSTEMS-LOGISTIC PLATFORM,_PP AND PEL GENERAL ARRANGEMENT SEGMENT Ad and Ae	1	00-000-8-05-01500 FL03
3	OFFSITES ALBA-UNDERGROUND SYSTEMS-LOGISTIC PLATFORM_PP AND PEL GENERAL ARRANGEMENT SEGMENT Af and Ag	1	00-000-8-05-01500 FL04
4	UNDERGROUND SYSTEMS. LOGISTIC PLATFORM, PP AND PEL GENERAL ARRANGEMENT SEGMENT Ah	1	00-000-8-05-01500 FL05
5	OFFSITES ALBA-UNDERGROUND SYSTEMS-LOGISTIC PLATFORM PP AND PEL GENERAL ARRANGEMENT SEGMENT Ai AND Aj	1	00-000-8-05-01500 FL06
6	OFFSITES ALBA-UNDERGROUND SYSTEMS-LOGISTIC PLATFORM PP AND PEL GENERAL ARRANGEMENT SEGMENT 1-2-3-4 AND 5	1	00-000-8-05-01500 FL07
7	OFFSITES ALBA-UNDERGROUND SYSTEMS-LOGISTIC PLATFORM PP AND PEL GENERAL ARRANGEMENT SEGMENT 11-12 AND 13	1	00-000-8-05-01500 FL10

31/01/2025			
Data	Qualidade	Director Obra	Repsol
	Verificado	Aprovado	Cliente



Ponto	Coordenadas		Ponto	Coordenadas	
	X	Y		X	Y
122	139315.838	113499.224	112	139315.618	113342.545
121	139315.923	113483.770	SD4	139315.623	113344.262
120	139316.036	113463.418	111	139315.548	113328.842
SD2	139316.102	113450.741	70	139313.507	113500.974
119	139316.072	113446.351	71	139313.501	113476.275
118	139315.978	113434.747	SW2	139313.525	113454.040
117	139315.865	113420.728	72	139313.519	113439.126
116	139315.763	113408.078	73	139313.463	113416.481
SD3	139315.636	113391.642	74	139313.408	113394.444
115	139315.635	113387.928	75	139313.346	113369.038
114	139315.630	113371.036	SW4	139313.315	113351.525
113	139315.626	113355.652	76	139313.299	113340.791
112	139315.618	113342.545	77	139313.249	113322.454

REFERENCE DRAWINGS

ERENCE DRAWINGS

TITULO
NAME

SITE PLOT PLAN
RAINYWATER DRAINAGE SYSTEM DETAILS
RAINYWATER DRAINAGE SYSTEM DETAILS
SOIL DRAINAGE SYSTEM DETAILS
SOIL DRAINAGE SYSTEM DETAILS
SANITARY DRAINAGE SYSTEM DETAILS
LUMINAIRE FOUNDATION AND ELECTRICAL TRENCH DETAILS
UNDERGROUND SYSTEM, KEY PLAN
UNDERGROUND SYSTEM, LOGISTIC PLATFORM, PP AND PEL
UNDERGROUND SYSTEM, AVENUE 8
UNDERGROUND SYSTEM, AVENUE 8 & AVENUE 11
UNDERGROUND SYSTEM, AVENUE 27
UNDERGROUND SYSTEM, SECTIONS
SINES INDUSTRIAL COMPLEX PLOT PLAN
GENERAL TOPOGRAPHIC SURVEY STATIONS
DATUM MILITAR COORDINATES
GENERAL SEWER SYSTEMS
GENERAL SEWER SYSTEMS, ALBA PROJECT DISMANTLING PIPES

NOTES

DIMENSIONS ARE IN MILLIMETERS (mm).
COORDINATES AND ELEVATIONS ARE IN METERS (m).
ROTATES REFER TO THE DATUM/LOCAL COORDINATE SYSTEM GENERALLY
IN SINES COMPLEX:
DATUM MILITARY
1984
MERCATOR TRANSVERSE PROJECTION SYSTEM GEOIDE
GEOTOB-WGS84-MILITARY COORDINATES
ELEVATIONS REFERRED TO SEA LEVEL AT MAREGRAFO DE CASCAIS.
ELEVATION DIFFERENCE USED ACCORDING BASE: FREEP06, EXTENDED ELEVATION FOR
METRIC LEVELING OF THE DOUBLE RING CARRIED OUT TO PROVIDE ALTIMETRY
FOR THE IMPLANTED TOPOGRAPHIC NETWORK BASES.
ELEVATION CONTROL WILL BE REINFORCED IN ACCORDANCE WITH THE DESCRIBED IN
CODE 2
DIMENSIONS ON BATTERY LIMIT ACCORDING DRW: 45-S-45-000-B-05-78005-ISO3

LEGEND

IMMOBILIZATION

ATER HDPE CORRUGATED SNB (EN-13476) WILL BE USED
0. FOR HIGHER DIAMETERS WILL BE USED REINFORCED
ASS 135 (EN-1916)

INAGE SYSTEM IN CORRUGATED PVC SN-8 (EN-13476)

DPDE 4"

ER HDPE 4"

DPDE (PEB69)

;

IHOLE

CRETE SYPHONIC SCUPPER

ANHOLE

IHOLE

ELEVATION

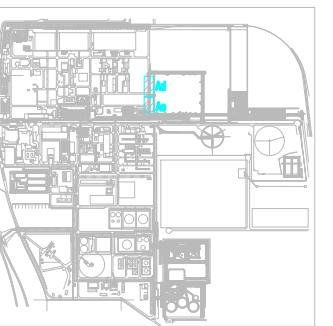
RENCH

RENCH UNDER STREET/PIPE BANK

FOR STREET LIGHTING FIXTURE

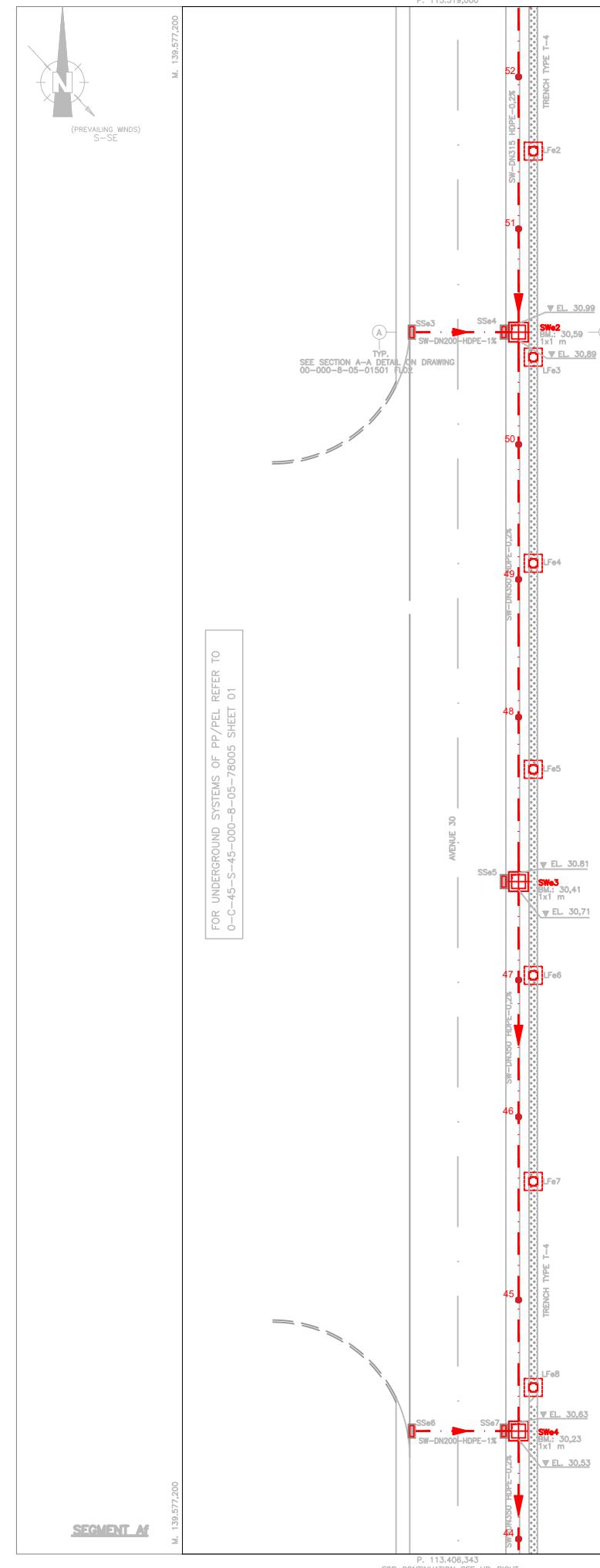
CTRICITY

KEY PLAN



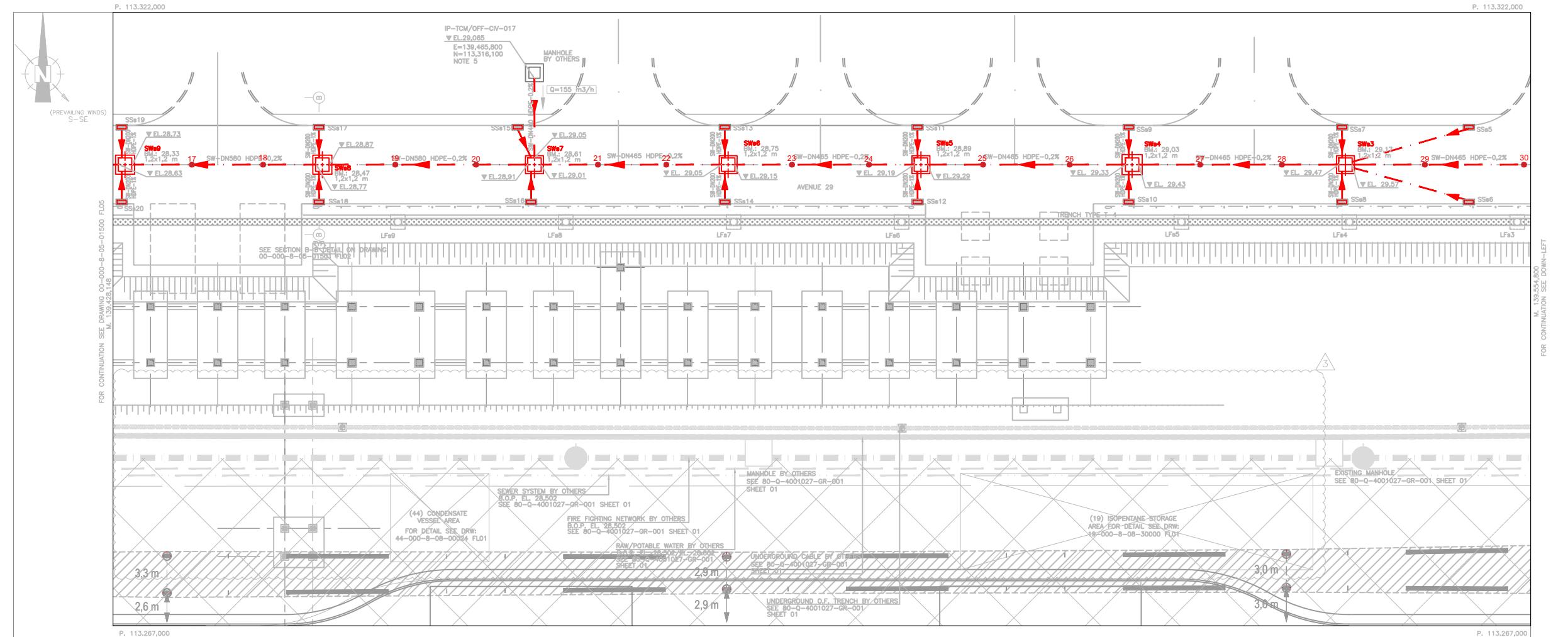
4001008	MODIFIED WHERE INDICATED △	20/07/23	C.B.A.	H.B.S.	G.R.C.	P.L.Z.
4001008	GENERAL MODIFICATION	10/05/23	C.B.A.	H.B.S.	G.R.C.	P.L.Z.
<i>Y. PROYECTO Y. PROYECTO</i>	<i>DESCRIPCION</i>	<i>FECHA DATE</i>	<i>REALIZ. PREP.</i>	<i>COMPR. CHECK</i>	<i>APROB. APPROV.</i>	<i>CLIENT GUEST</i>
 REPSOL			REPSOL POLIMEROS, S.A.			
			COMPLEJO INDUSTRIAL SINES			
 AYESA <small>PROJECT INGENIERIA & COMPANY PROJECT CODE: 9576</small>		Nº PROYECTO REPSOL- REPSOL PROJECT CODE: 4001008		REALIZADO PREPARED COMPROB. CHECKED H.B.S.		C.B.A.
		ESCALA: SCALE:	TAMANO: SIZE:	APROBADO APPROVED	G.R.C.	C.B.A.
		1:150	DIN-A0	VBY CLIENTE CLIENT APPROVAL	P.L.Z.	C.B.A.

**UNDERGROUND SYSTEMS. LOGISTIC PLATFORM, PP AND PE
GENERAL ARRANGEMENT
SEGMENT Ad and Ae**

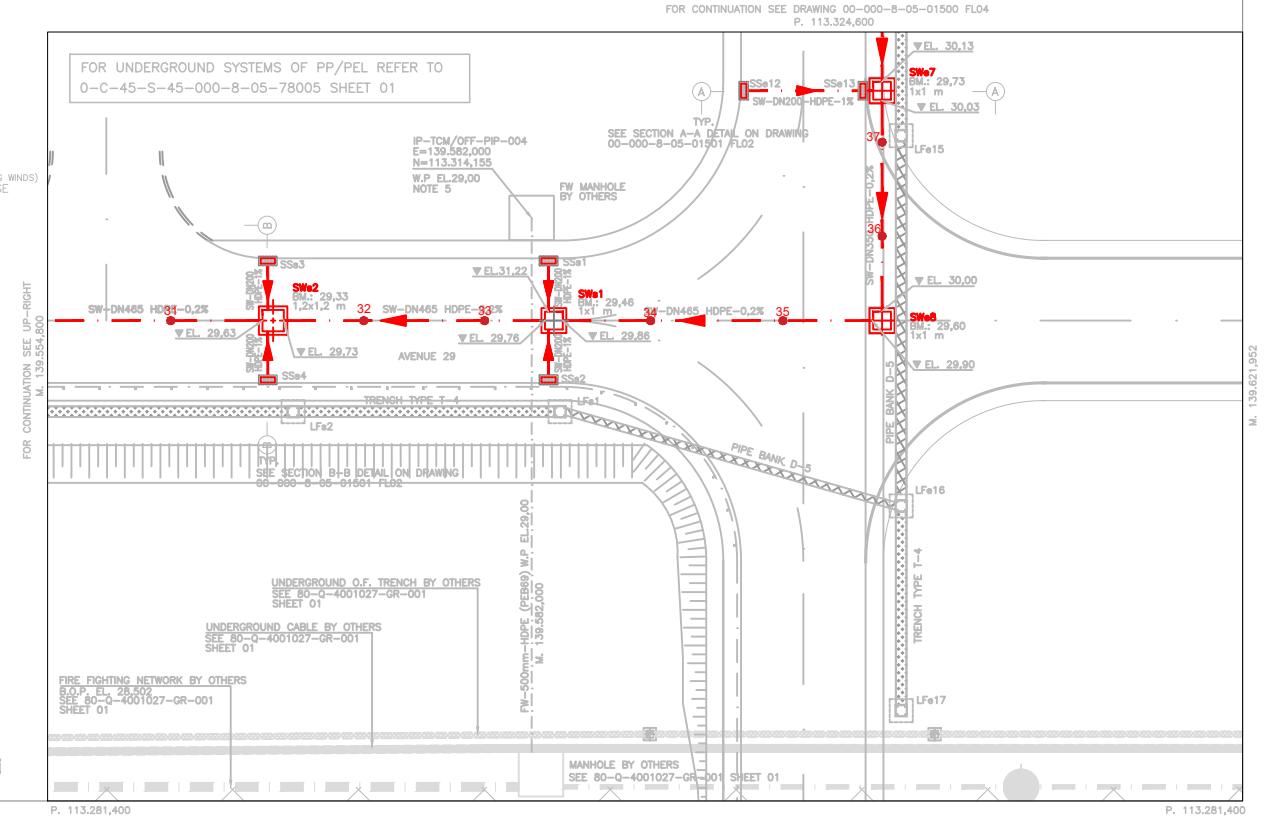


Ponto	Coordenadas		Ponto	Coordenadas	
	X	Y		X	Y
52	139601.815	113513.886	SWe4	139601.732	113415.382
51	139601.829	113502.826	44	139601.709	113407.449
SWe2	139601.838	113495.397	43	139601.676	113397.098
50	139601.798	113487.127	SWe5	139601.656	113390.266
49	139601.747	113477.305	42	139601.659	113383.196
48	139601.695	113467.276	41	139601.664	113372.201
SWe3	139601.635	113455.299	SWe6	139601.667	113363.828
47	139601.652	113448.140	40	139601.691	113353.024
46	139601.676	113438.180	39	139601.719	113341.413
45	139601.710	113424.854	38	139601.746	113329.724

REFERENCE DRAWINGS		TITLE			
PLANO N°	DRAWING NUMBER	HOJA	SHEET		
00-000-8-05-01500	1	SITE PLOT PLAN			
00-000-8-05-01501	1	RAINWATER DRAINAGE SYSTEM DETAILS			
00-000-8-05-01501	2	RAINWATER DRAINAGE SYSTEM DETAILS			
00-000-8-05-01501	3	ODR DRAINAGE SYSTEM DETAILS			
00-000-8-05-01501	4	ODR DRAINAGE SYSTEM DETAILS			
00-000-8-05-01501	5	SANITARY DRAINAGE SYSTEM DETAILS			
00-000-8-05-01501	6	LUMINAIRE FOUNDATION AND ELECTRICAL TRENCH DETAILS			
00-000-8-05-01500	1	UNDERGROUND SYSTEM KEY PLAN			
00-000-8-05-01500	2/3/5/6	UNDERGROUND SYSTEM, LOGISTIC PLATFORM, PP AND PEL			
00-000-8-05-01500	7 & 9	UNDERGROUND SYSTEM, AVENUE 8			
00-000-8-05-01500	10	UNDERGROUND SYSTEM, AVENUE 27			
00-000-8-05-01500	11/12	UNDERGROUND SYSTEM, SECTIONS			
00-000-8-11-00001	01	SINES INDUSTRIAL COMPLEX PILOT PLAN			
00-000-04-00100	1	GENERAL SEWER SYSTEMS			
00-000-04-00100	2	GENERAL SEWER SYSTEMS, ALBA PROJECT Dismantling PIPES			
NOTES					
1.- ALL DIMENSIONS ARE IN MILLIMETERS (mm).					
2.- ALL COORDINATES AND ELEVATIONS ARE IN METERS (m).					
3.- COORDINATES REFER TO THE DATUM/LOCAL COORDINATE SYSTEM GENERALLY USED IN SINES COMPLEX:					
DATUM MILITARY ELLIPSOID: SP-1984 MERCATOR TRANSVERSE PROJECTION SYSTEM GEOIDE GEOTOB-WGS84-MILITARY COORDINATES					
ELEVATIONS REFERRED TO SEA LEVEL AT MAREGRAFO DE CASCAIS, REFERENCE ELEVATION USED ACCORDING BASE: FREFP06. START ELEVATION FOR GEOMETRIC LEVELING OF THE DOUBLE RING CARRIED OUT TO PROVIDE ALTIMETRY FOR THE IMPLANTED TOPOGRAPHIC NETWORK BASES.					
4.- EXECUTION CONTROLS WILL BE REINFORCED IN ACCORDANCE WITH THE DESCRIBED IN EUROCODE 2					
LEGEND					
EL.	ELEVATION	ID.	INTERNAL DIAMETER		
DN	NOMINAL DIAMETER	BM	BOTTOM OF MANHOLE		
SYMBOLS					
—SW—	CLEAN RAINWATER HDPE CORRUGATED SN8 (EN-13476) WILL BE USED UP TO DN1000. FOR HIGHER DIAMETERS WILL BE USED REINFORCED CONCRETE.				
—SD—	SANITARY DRAINAGE SYSTEM IN CORRUGATED PVC SN-8 (EN-13476)				
[]	TYPE SW MANHOLE				
[]	PRECAST CONCRETE SYPHONIC SCUPPER				
▼	BOTTOM PIPE ELEVATION				
[]	ELECTRICAL TRENCH				
[]	ELECTRICAL TRENCH UNDER STREET/PIPE BANK				
[]	FOUNDATION FOR STREET LIGHTING FIXTURE				
KEY PLAN					
1 4001008	MODIFICATED WHERE INDICATED △	20/07/23	C.B.A. H.B.S. G.R.C. P.L.Z.		
REV. PROYECTO REV. PROJECT	DESCRIPCIÓN DESCRIPTION	FECHA DATE	REALIZ. PREP.	COMPR. CHECK	APROB. APPROV.
NEGOCIO: CENTRO: FACILITY:					
REPSOL POLIMEROS, S.A.					
REPSOL					
2 4001008	REALIZADO PREPARED	C.B.A.	10/05/23	VS CANTIDAD QUANTITY	
REV. PROYECTO REV. PROJECT	DESCRIPCIÓN DESCRIPTION	FECHA DATE	REALIZ. PREP.	COMPR. CHECK	APROB. APPROV.
NEGOCIO: CENTRO: FACILITY:					
COMPLEJO INDUSTRIAL SINES					
AYESA					
3 4001008	REALIZADO PREPARED	C.B.A.	10/05/23	VS CANTIDAD QUANTITY	
REV. PROYECTO REV. PROJECT	DESCRIPCIÓN DESCRIPTION	FECHA DATE	REALIZ. PREP.	COMPR. CHECK	APROB. APPROV.
NEGOCIO: CENTRO: FACILITY:					
ENX. COMPANY PROYECTO CODE: ENX. COMPANY PROJECT CODE: 9576					
TÍTULO: TITLE:	OFFSITES ALBA UNDERGROUND SYSTEMS, LOGISTIC PLATFORM, PP AND PEL GENERAL ARRANGEMENT SEGMENT Af and Ag	CLASIFICACIÓN: CLASSIFICATION:	PLANO N°: DRAWING NUMBER:	00-000-8-05-01500	REV.: Sheet 4 1
ÁREA/ANEXO: AREA/ANNEX:	CLASIFICACIÓN: CLASSIFICATION:	PLANO N°: DRAWING NUMBER:	00-000-8-05-01500	Hoja 4 Sheet 4	REV.: 1

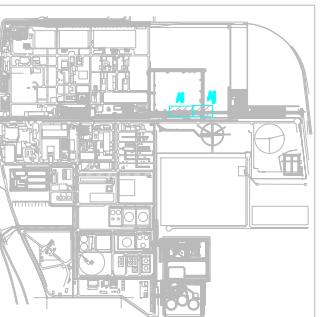


Ponto	Coordenadas	
	X	Y
SWe7	139601.764	113321
36	139601.255	113313
37	139601.590	113318
SWe8	139600.991	113308
35	139596.114	113308
34	139588.680	113308
SWs1	139583.518	113308
33	139579.354	113308
32	139572.565	113308
SWs2	139567.407	113308
31	139561.721	113308
30	139554.200	113308
29	139545.346	113308
SWs3	139538.339	113308
28	139532.573	113308
27	139525.268	113308
SWs4	139519.261	113308
26	139513.611	113308
25	139505.876	113308
SWs5	139499.915	113308
24	139495.681	113308
23	139488.806	113308
SWs6	139483.195	113308
22	139477.573	113308
21	139471.472	113308
SWs7	139465.749	113308
20	139460.577	113308
19	139453.361	113308
SWs8	139446.946	113308
18	139441.554	113308
17	139435.194	113308
SWs9	139429.640	113308

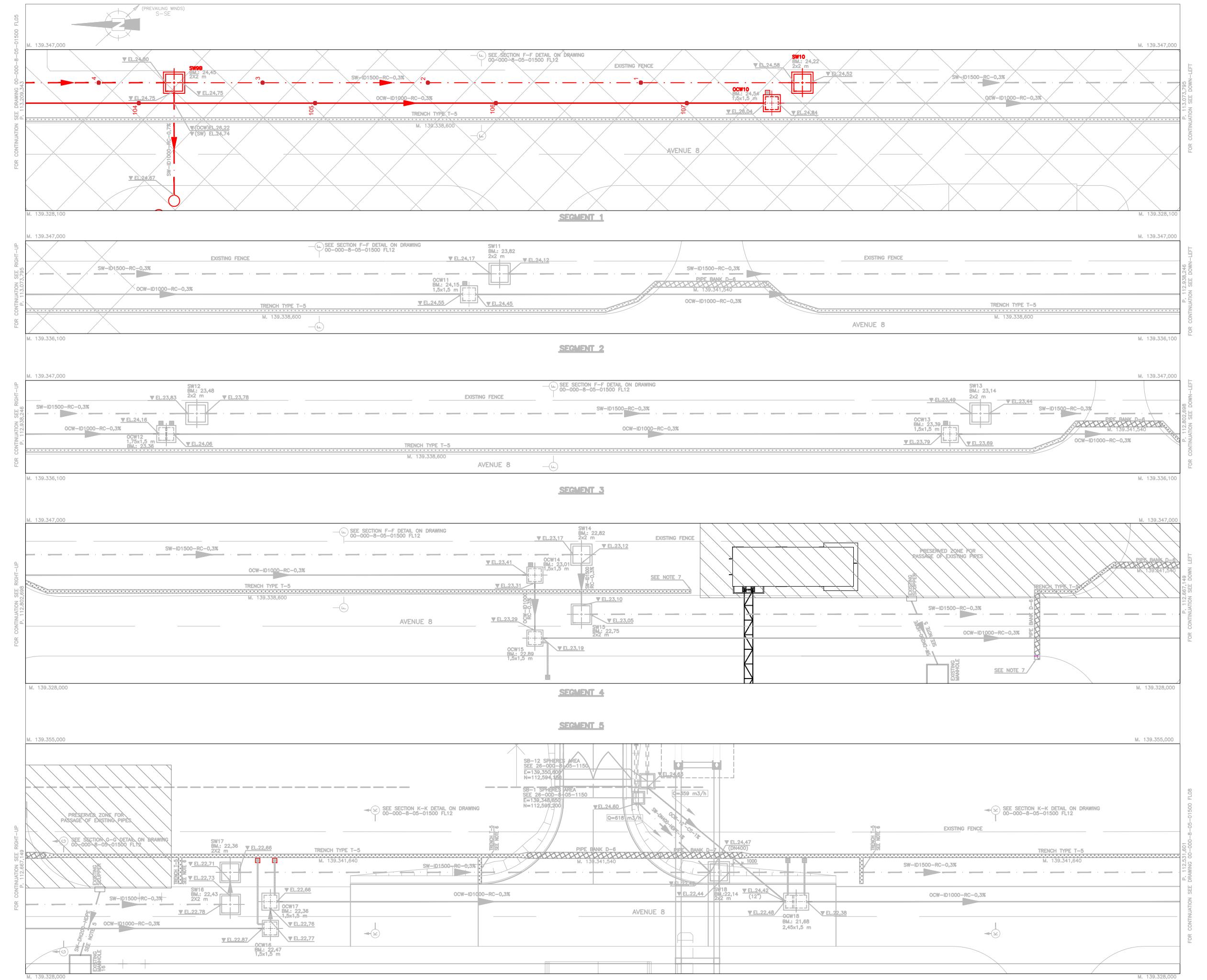


REV.	PROYECTO REV. PROJECT	DESCRIPCIÓN DESCRIPTION	FECHA DATE	REALIZ. PREP. REALIZACIÓ N PREPARACIÓN	COMPR. CHECK COMPROBACI ÓN VERIFICACIÓN	APROB. APPROV. APPROBACIÓN	CLIENTE CLIENT CIENTE
3	4001008	MODIFIED WHERE INDICATED	04/10/23	C.B.A.	H.B.S.	G.R.C.	P.L.Z.
2	4001008	MODIFIED WHERE INDICATED	20/07/23	C.B.A.	H.B.S.	G.R.C.	P.L.Z.
1	4001008	MODIFIED WHERE INDICATED	26/05/23	C.B.A.	H.B.S.	G.R.C.	P.L.Z.
				NEGOCIO: BUSINESS: CENTRO: FACILITY:	REPSOL POLÍMEROS, S.A.		
 REPSOL				COMPLEJO INDUSTRIAL SINES			
				Nº PROYECTO REPSOL PROJECT CODE: 4001008	REALIZADO IMPLEMENTED COMPROB. CHECKED	C.B.A.	10/05/23
				ESCALA: SCALE: 1:150	TAMANO: SIZE: DIN-A0	H.B.S.	10/05/23
					V.B° CLIENTE CLIENT APPROVAL	G.R.C.	10/05/23
						P.L.Z.	10/05/23
IN. PROYECTO INGENIERIA ENG. CIVIL/PROJECT CODE: 9576							

KEY PLAN



OFFSITES ALBA
UNDERGROUND SYSTEMS, LOGISTIC PLATFORM, PP AND PEL
GENERAL ARRANGEMENT
SEGMENT Ai and Ai



PLANO N°	TITULO
00-000-0-01-00001	SITE PLOT PLAN
00-000-8-05-01501	RAINY WATER DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	RAINY WATER DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	PIPE DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	PIPE DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	SANITARY DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	LUMINAIRE FOUNDATION AND ELECTRICAL TRENCH DETAILS
00-000-8-05-01501	UNDERGROUND SYSTEM KEY PLAN
00-000-8-05-01501	UNDERGROUND SYSTEM, LOGISTIC PLATFORM, PP AND PEL
00-000-8-05-01500	UNDERGROUND SYSTEM, AVENUE 8 & AVENUE 11
00-000-8-05-01500	UNDERGROUND SYSTEM, AVENUE 27
00-000-8-05-01500	UNDERGROUND SYSTEM, SECTIONS
00-000-8-11-00001	SINES INDUSTRIAL COMPLEX PILOT PLAN
00-000-0-04-00100	GENERAL TOPOGRAPHIC SURVEY STATIONS
00-000-0-04-00100	DATUM MILITAR COORDINATES
00-000-0-04-00100	GENERAL SEWER SYSTEMS
00-000-0-04-00100	GENERAL SEWER SYSTEMS, ALBA PROJECT Dismantling PIPES

NOTES

- 1.- ALL DIMENSIONS ARE IN MILLIMETERS (mm).
- 2.- ALL COORDINATES AND ELEVATIONS ARE IN METERS (m).
- 3.- COORDINATES REFER TO THE DATUM/LOCAL COORDINATE SYSTEM GENERALLY USED IN SINES COMPLEX:
DATUM MILITAR
ELLIPSOIDE: 1984
MERCATOR TRANSVERSE PROJECTION SYSTEM GEOIDE
GEOTOB-WGS84-MILITARY COORDINATES
ELEVATIONS REFERRED TO SEA LEVEL AT MAREGRAFO DE CASCAIS.
- 4.- EXECUTION CONTROLS WILL BE REINFORCED IN ACCORDANCE WITH THE DESCRIBED IN EUROCODE 2
- 5.- REMOVE EXISTING PIPE WHILE INSTALLING OIL DRAINAGE PIPE AND REPLACE WITH THE INDICATED PIPE PLACING IT INTO THE EXISTING MANHOLE AND SCUPPER.
- 6.- TRENCH FOR LIGHTING SYSTEM, EXISTING LUMINAIRE TO BE RELOCATED IN SIMILAR POSITION. SEE DRAWINGS: 08-000-7-05-00001 AND 08-000-7-05-00002.
- 7.- CONNECT WITH EXISTING TRENCH FOR LIGHTING SYSTEM.

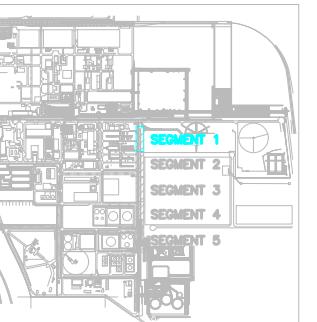
LEGEND

EL	ELEVATION
ID	INTERNAL DIAMETER
DN	NOMINAL DIAMETER
BM	BOTTOM OF MANHOLE

SYMBOLS

SW	CLEAN RAINWATER HOPE CORRUGATED SN8 (EN-13476) WILL BE USED UP TO DN1000. FOR HIGHER DIAMETERS WILL BE USED REINFORCED CONCRETE CLASS 135 (EN-1916)
OCW	OIL DRAINAGE SYSTEM CARBON STEEL WILL BE USED UP TO DN900. FOR HIGHER DIAMETERS WILL BE USED REINFORCED CONCRETE CLASS 135 (EN-1916) WITH HYDROCARBON COMPATIBLE GASKET. CARBON STEEL PIPE WILL BE TYPE B AS REQUIRED BY ED-N-03.00. NOMINAL CORROSION TOLERANCE CONSIDERED FOR CARBON STEEL DRAINAGE PIPES IS 6 mm.
—	EXISTING PIPE
□	TYPE SW MANHOLE
□	TYPE OCW MANHOLE
▼	BOTTOM PIPE ELEVATION
□	VENT ANCHOR BASE

KEY PLAN



COORDINATES

Punto	Coordenadas
4	139343.194 113200.762
SW98	139343.115 113192.197
3	139343.115 113192.197
2	139343.169 113162.114
1	139343.128 113137.106
SW10	139343.115 113117.995
104	139340.673 113106.054
105	139340.594 113106.399
106	139340.513 113154.131
107	139340.427 113131.715
OCW10	139340.383 113121.486

REV. PROYECTO / PROJECT	FECHA / DATE	COMPR. / APPROV.	APROB. / APPROV.	VER. CLAVE / CHECK
4 4001008	GENERAL MODIFICATION	29/09/23	C.B.A. H.B.S. G.R.C. P.L.Z.	
3 4001008	MODIFIED WHERE INDICATED	20/07/23	H.B.S. G.R.C. P.L.Z.	
2 4001008	MODIFIED WHERE INDICATED	26/05/23	C.B.A. H.B.S. G.R.C. P.L.Z.	
1 4001008	GENERAL MODIFICATION	10/05/23	C.B.A. H.B.S. G.R.C. P.L.Z.	

REV. PROYECTO / PROJECT	FECHA / DATE	COMPR. / APPROV.	APROB. / APPROV.	VER. CLAVE / CHECK
REPSOL	04/03/23	C.B.A.	H.B.S.	
AYESA	04/03/23	C.B.A.	H.B.S.	

PROYECTO / PROJECT: 4001008
PROYECTO / PROJECT CODE: 9576

NEGOCIO / BUSINESS: REPSOL POLIMEROS, S.A.
CENTRO / FACILITY: COMPLEJO INDUSTRIAL SINES

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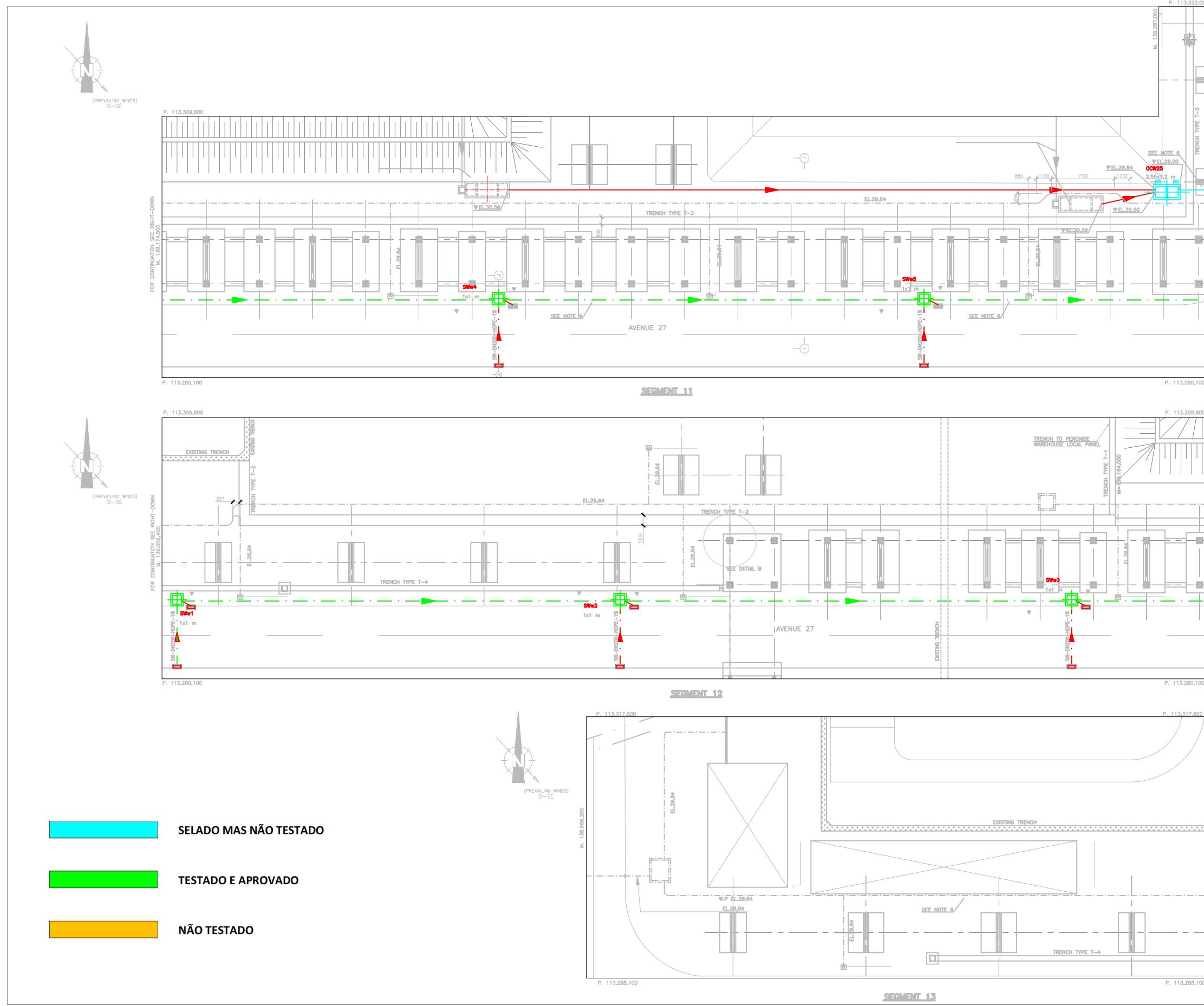
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SELADO MAS NÃO TESTADO

TESTADO E APROVADO

NÃO TESTADO

REFERENCE DRAWINGS		
DRAWING NUMBER	SHEET	TITLE
00-000-0-01-00001	1	SITE PLOT PLAN
00-000-8-05-01501	1	RAINYWATER DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	2	RAINYWATER DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	3	OIL DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	4	OIL DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	5	SANITARY DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	6	LUMINAIRE FOUNDATION AND ELECTRICAL TRENCH DETAILS
00-000-8-05-01500	1	UNDERGROUND SYSTEM KEY PLAN
00-000-8-05-01500	2 TO 6	UNDERGROUND SYSTEM LOGISTIC PLATFORM, PP AND PEL
00-000-8-05-01500	7 & 9	UNDERGROUND SYSTEM AVENUE 8
00-000-8-05-01500	8	UNDERGROUND SYSTEM AVENUE 8 & AVENUE 11
00-000-8-05-01500	10	UNDERGROUND SYSTEM AVENUE 27
00-000-8-05-01500	11/12	UNDERGROUND SYSTEM SECTIONS
00-000-8-04-00001	01	SINER INDUSTRIAL COMPLEX PLOT PLAN
00-000-0-04-00100	1	GENERAL TOPOGRAPHIC SURVEY STATIONS DATUM MILITARY COORDINATES
00-000-0-04-00100	2	GENERAL SEWER SYSTEMS ALBA PROJECT DISMANTLING PIPES

NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS (mm).
- ALL COORDINATES AND ELEVATIONS ARE IN METERS (m).
- COORDINATES REFER TO THE DATUM/LOCAL COORDINATE SYSTEM GENERALLY USED IN PORTUGAL.
- DATUM MILITARY ELLIPSOID WGS 1984 MERCATOR TRANS. PROJECTION SYSTEM GEODESIC GEOTRS-1984-MILITARY COORDINATES ELEVATIONS REFERRED TO SEA LEVEL AT MAREGRAFO DE CASCAIS.
- REFERENCE ELEVATION USED ACCORDING BASEL FREEPOS. START ELEVATION FOR GEOMETRIC LEVELING OF THE DOUBLE RING CARRIED OUT TO PROVIDE ALTIMETRY TO THE IMPLANTED TOPOGRAPHIC NETWORK BASES.
- EXECUTION CONTROLS WILL BE REINFORCED IN ACCORDANCE WITH THE DESCRIBED IN EUROCODE 2.
- REMOVE EXISTING PIPE WHILE OIL DRAINAGE PIPE IS INSTALLED AND REPLACE WITH THE INDICATED PIPE PLACING IT INTO THE EXISTING MANHOLE AND SCUPPER.
- PIPE PROTECTION. FOR DETAIL SEE DRAWING: 00-000-8-05-01501 FLO4

LEGEND

EL	ELEVATION
ID	INTERNAL DIAMETER
DN	NOMINAL DIAMETER
BM	BOTTOM OF MANHOLE
W.P.	WORKING POINT

SYMBOLS

— SW — CLEAN RAINWATER HOPE CORRUGATED SNA (EN-13476) WILL BE USED UP TO DN1000. FOR HIGHER DIAMETERS WILL BE USED REINFORCED CONCRETE CLASS 135 (EN-13476).

— OCW — OIL DRAINAGE SYSTEM CARBON STEEL WILL BE USED UP TO DN600. FOR HIGHER DIAMETERS WILL BE USED REINFORCED CONCRETE CLASS 135 (EN-1916) WITH HYDROCARBON COMPATIBLE GASKET. CARBON STEEL DRAINAGE PIPES FOR OIL DRAINAGE SYSTEMS IN SECTION L-201,04 SHALL HAVE A DOUBLE TAPE OUTER COATING AS REQUIRED BY ED-N-03.00. NOMINAL CORROSION TOLERANCE CONSIDERED FOR CARBON STEEL DRAINAGE PIPES IS 6 mm. FIRE WATER HOPE (PEB69)

— FW — EXISTING PIPE

— TYPE SW MANHOLE —

— TYPE OCW MANHOLE —

— TYPE FW MANHOLE —

▼ BOTTOM PIPE ELEVATION —

— PIPE PROTECTION —

KEY PLAN



3	4001008	MODIFIED WHERE INDICATED	3	06/09/23	C.B.A.	H.B.S.	G.R.C.	P.L.Z.
2	4001008	MODIFIED WHERE INDICATED	2	20/07/23	C.B.A.	H.B.S.	G.R.C.	P.L.Z.
1	4001008	MODIFIED WHERE INDICATED	1	26/05/23	C.B.A.	H.B.S.	G.R.C.	P.L.Z.
REV. PROYECTO / PROJ. NO.		DESCRIPCIÓN / DESCRIPTION	FECHA / DATE	REALIZADO / REALIZED	COMPR. / CHECKED	APROB. / APPROVED	GLOBO / GLOBE	
REV. PROYECTO / PROJ. NO.		PROYECTO / PROJECT	FECHA / DATE	REALIZADO / REALIZED	COMPR. / CHECKED	APROB. / APPROVED	GLOBO / GLOBE	

REPSOL

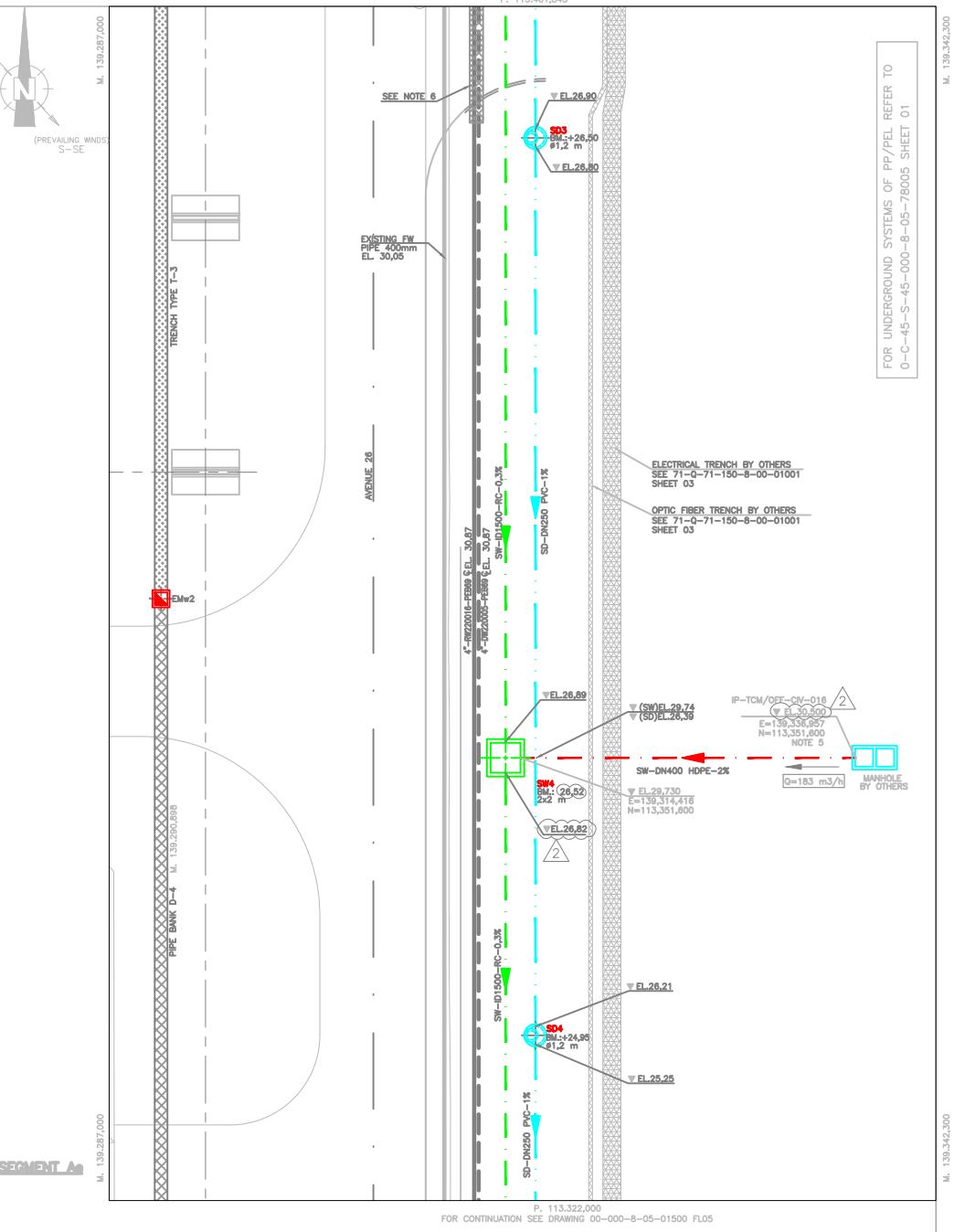
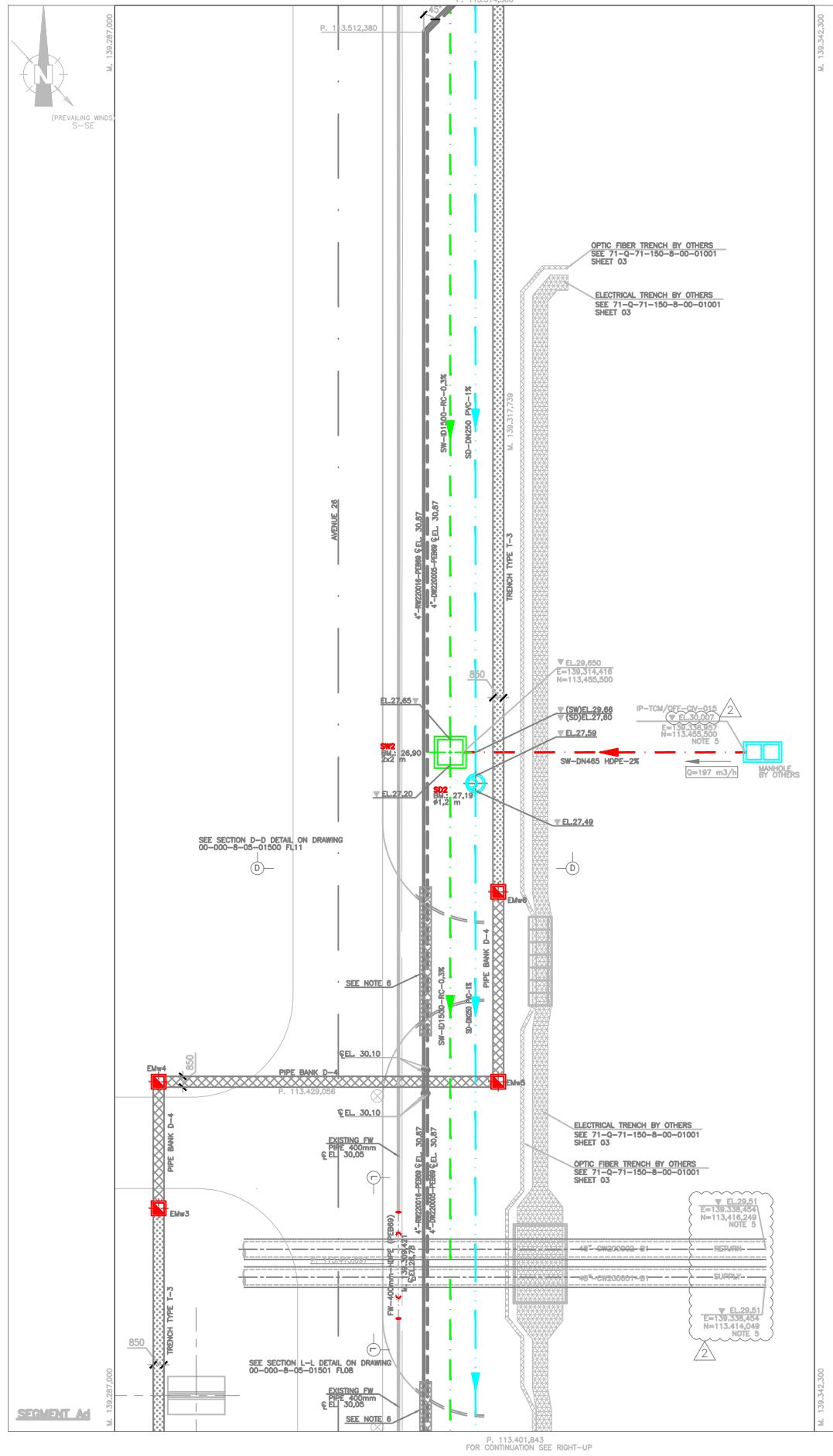
AYESA

9576

TITULO:

OFFSHORE ALBA
UNDERGROUND SYSTEMS, LOGISTIC PLATFORM, PP AND PEL
GENERAL ARRANGEMENT
SEGMENT 11, 12 and 13-RED LINE

PLANO N.º / DRAWING NUMBER: 00-000-8-05-01500 Hoja 10 Sheet 10
CLASIFICACIÓN / CLASSIFICATION: S REV.: 3



REFERENCE DRAWINGS		
PLANO N° DRAWING NUMBER	HOJA SHEET	TÍTULO TITLE
00-000-0-01-00001	1	SITE PLOT PLAN
00-000-8-05-01501	1	RAINWATER DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	2	RAINWATER DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	3	OIL DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	4	OIL DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	5	SANITARY DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	6	LUMINAIRE FOUNDATION AND ELECTRICAL TRENCH DETAILS
00-000-8-05-01500	1	UNDERGROUND SYSTEM KEY PLAN
00-000-8-05-01500	2 & 4 TO 6	UNDERGROUND SYSTEM LOGISTIC PLATFORM, PP AND PEL
00-000-8-05-01500	7 & 9	UNDERGROUND SYSTEM AVENUE 8
00-000-8-05-01500	8	UNDERGROUND SYSTEM AVENUE 8 & AVENUE 11
00-000-8-05-01500	10	UNDERGROUND SYSTEM AVENUE 27
00-000-8-05-01500	11/12	UNDERGROUND SYSTEM SECTIONS
00-000-8-05-01500	13	SINES INDUSTRIAL COMPLEX PLOT PLAN
00-000-0-04-00100	1	GENERAL TOPOGRAPHIC SURVEY STATIONS DATUM MILITARY COORDINATES
00-000-0-04-00100	2	GENERAL SEWER SYSTEMS ALBA PROJECT DISMANTLING PIPES

NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS (mm).
- ALL COORDINATES AND ELEVATIONS ARE IN METERS (m).
- COORDINATES REFER TO THE DATUM/LOCAL COORDINATE SYSTEM GENERALLY USED IN PORTUGAL.
- DATUM MILITARY ELLIPSOID WGS 1984 MERCATOR PROJECTION SYSTEM GEODESIC GRS84-MILITARY COORDINATES
- ELEVATIONS REFERRED TO SEA LEVEL AT MARQUES DE CACIAS REFERENCE ELEVATION USED ACCORDING BASE: FREEPOLE START ELEVATION FOR GEOMETRIC LEVELING OF THE DOUBLE RING CARRIED OUT TO PROVIDE ALTIMETRY TO THE IMPLANTED TOPOGRAPHIC NETWORK BASES.
- EXECUTION CONTROLS WILL BE REINFORCED IN ACCORDANCE WITH THE DESCRIBED IN EUROCODE 2
- COORDINATES ON BATTERY LIMIT ACCORDING DRW: 45-S-45-000-8-05-78005 IS03
- PIPE PROTECTION. FOR DETAIL SEE DRAWING: 00-000-8-05-01501 FL04

LEGEND

EL	ELEVATION
ID	INTERNAL DIAMETER
DN	NOMINAL DIAMETER
WP	WORKING POINT
BM	BOTTOM OF MANHOLE

SYMBOLS



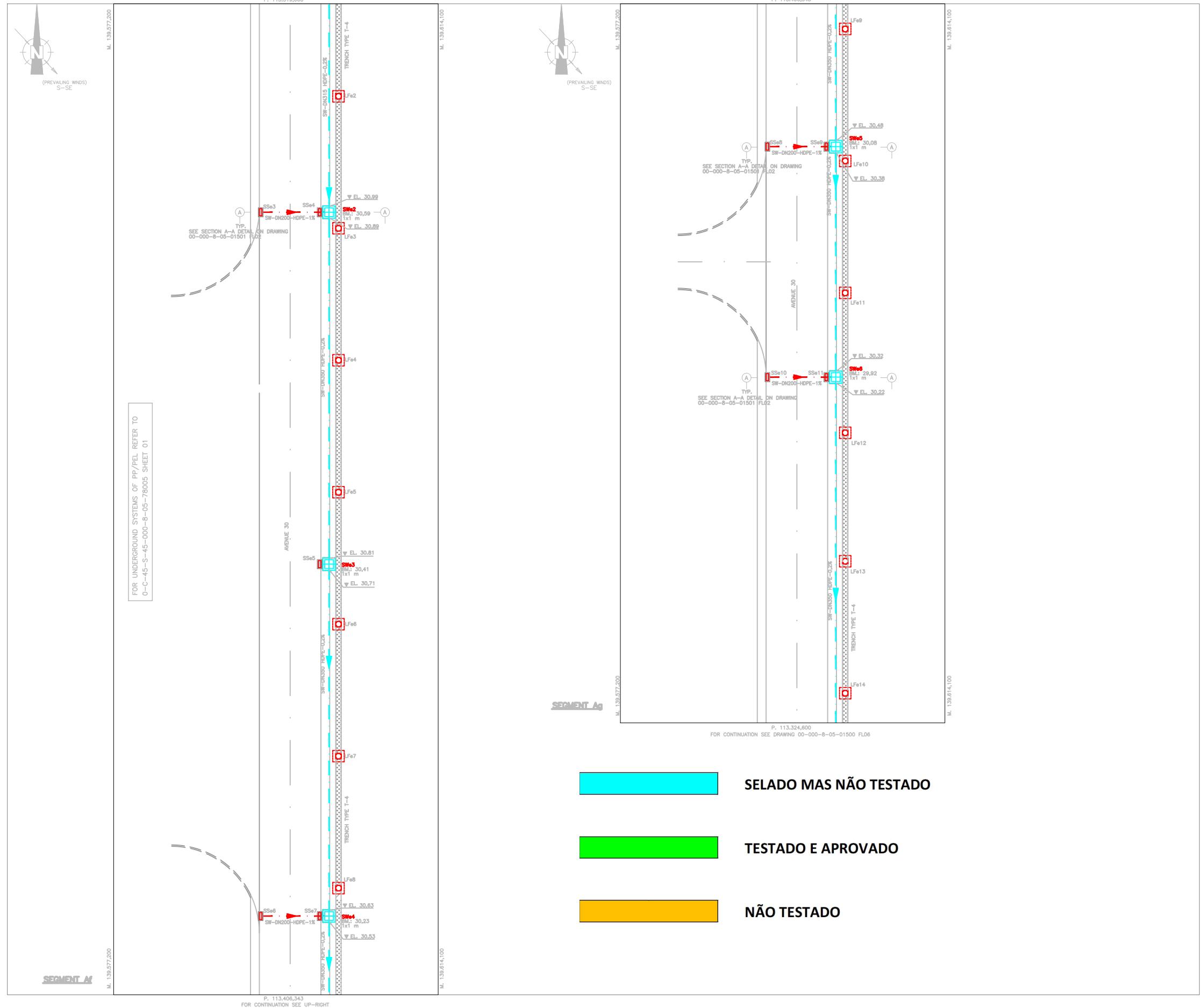
KEY PLAN



SELADO MAS NÃO TESTADO

TESTADO E APROVADO

NÃO TESTADO



REFERENCE DRAWINGS		
PLANO N. DRAWING NUMBER	HOJA SHEET	TÍTULO TITLE
00-000-0-01-00001	1	SITE PLOT PLAN
00-000-8-05-01501	1	RAINYWATER DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	2	RAINYWATER DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	3	OIL DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	4	OIL DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	5	SANITARY DRAINAGE SYSTEM DETAILS
00-000-8-05-01501	6	LUMINAIRE FOUNDATION AND ELECTRICAL TRENCH DETAILS
00-000-8-05-01500	1	UNDERGROUND SYSTEM KEY PLAN
00-000-8-05-01500	2/3/5/6	UNDERGROUND SYSTEM LOGISTIC PLATFORM, PP AND PEL
00-000-8-05-01500	7 & 9	UNDERGROUND SYSTEM AVENUE 8
00-000-8-05-01500	8	UNDERGROUND SYSTEM AVENUE 8 & AVENUE 11
00-000-8-05-01500	10	UNDERGROUND SYSTEM AVENUE 27
00-000-8-05-01500	11/12	UNDERGROUND SYSTEM SECTIONS
00-000-8-11-00001	01	SINES INDUSTRIAL COMPLEX PLOT PLAN
00-000-0-04-00100	1	GENERAL TOPOGRAPHIC SURVEY STATIONS DATUM MILITARY COORDINATES
00-000-0-04-00100	2	GENERAL SEWER SYSTEMS

NOTES

1.- ALL DIMENSIONS ARE IN MILLIMETERS (mm).

2.- ALL COORDINATES AND ELEVATIONS ARE IN METERS (m).

3.- COORDINATES REFER TO THE DATUM/LOCAL COORDINATE SYSTEM GENERALLY USED IN SPAIN.

DATUM MILITARY

ELLIPSOID WGS 1984

LOCAL TRAVERSE PROJECTION SYSTEM GEODE

GEOTOP 1994-MILITARY COORDINATES

ELEVATION REFERRED TO SEA LEVEL AT MAREGRAFO DE CASCAIS

REFERENCE ELEVATION USED ACCORDING BASE: FREEPOS. START ELEVATION FOR

GEOMETRIC LEVELING OF THE DOUBLE RING CARRIED OUT TO PROVIDE ALTIMETRY

TO THE IMPLANTED TOPOGRAPHIC NETWORK BASES.

4.- EXECUTION CONTROLS WILL BE REINFORCED IN ACCORDANCE WITH THE DESCRIBED IN

EUROCODE 2

LEGEND

EL ELEVATION
ID INTERNAL DIAMETER
DN NOMINAL DIAMETER
BM BOTTOM OF MANHOLE

SYMBOLS

--- SW CLEAN RAINWATER HDPE CORRUGATED SN8 (EN-13476) WILL BE USED UP TO DN1000. FOR HIGHER DIAMETERS WILL BE USED REINFORCED CONCRETE.

— SD SANITARY DRAINAGE SYSTEM IN CORRUGATED PVC SN-8 (EN-13476)

■ TYPE SW MANHOLE

■ PRECAST CONCRETE SYNPOMATIC SCUPPER

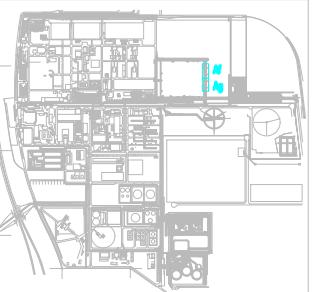
▼ BOTTOM PIPE ELEVATION

■ ELECTRICAL TRENCH

■ ELECTRICAL TRENCH UNDER STREET/PIPE BANK

■ FOUNDATION FOR STREET LIGHTING FIXTURE

KEY PLAN



1 4001008	MODIFIED WHERE INDICATED △	20/07/23	C.B.A.	H.B.S.	G.R.C.	P.L.Z.
REV. PROYECTO REV. PROJECT	DESCRIPCIÓN DESCRIPTION	FECHA DATE	REALIZADO REALIZED	COMPR. PURCHASED	APROB. APPROVED	Q.D.P.
REPSOL	4001008	10/09/23	REPSOL POLIMEROS, S.A.			
AYESA	4001008	10/09/23	CENTRO: REPSOL POLIMEROS, S.A.			
REPSOL POLIMEROS, S.A.						

INF. PROYECTO REPSOL PROYECTO REPSOL	REPROBADO REPROVED	C.B.A.
PROYECTO REPSOL	APROBADO APPROVED	10/09/23

TITULO:	OFFSHORE ALBA
DETALLE:	UNDERGROUND SYSTEMS, LOGISTIC PLATFORM, PP AND PEL
DETALLE:	GENERAL ARRANGEMENT
DETALLE:	SEGMENT Af and Ag-RED LINE
DETALLE:	LINE DRAWING

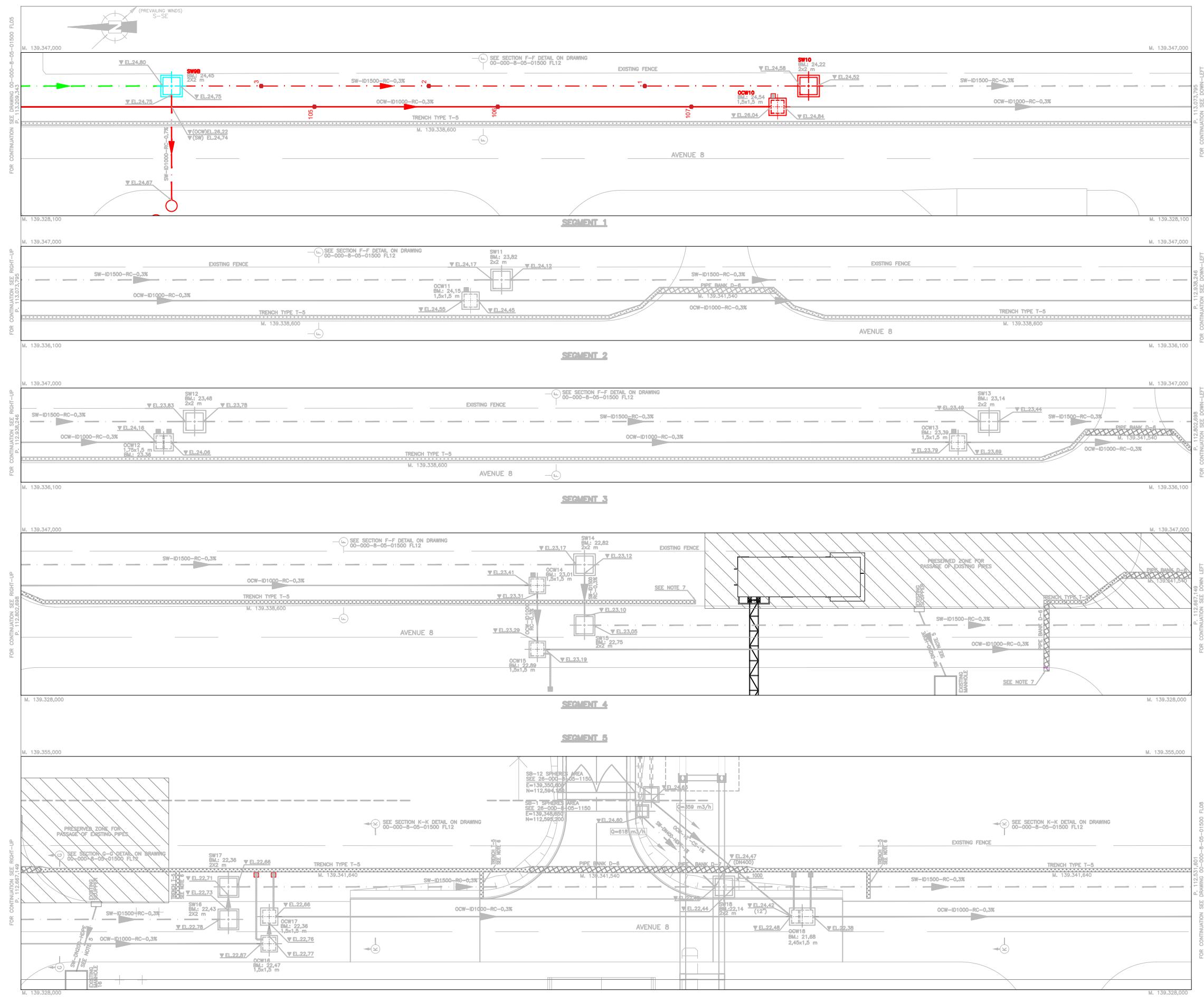
AREA/ANEXO:
CLASSIF.:
SHEET:
00

PLANO N.
DRAWING NUMBER:

00-000-8-05-01500

Hoja 4
Sheet 4

REV.: 1



REFERENCE DRAWINGS	
HOA SHEET	TITLE
1	SITE PLOT PLAN
1	RAINWATER DRAINAGE SYSTEM DETAILS
2	RAINWATER DRAINAGE SYSTEM DETAILS
3	OIL DRAINAGE SYSTEM DETAILS
4	OIL DRAINAGE SYSTEM DETAILS
5	SANITARY DRAINAGE SYSTEM DETAILS
6	LUMINAIRE FOUNDATION AND ELECTRICAL TRENCH DETAILS
1	UNDERGROUND SYSTEM, KEY PLAN
2 TO 6	UNDERGROUND SYSTEM, LOGISTIC PLATFORM, PP AND PEL
7 & 9	UNDERGROUND SYSTEM, AVENUE 8
8	UNDERGROUND SYSTEM, AVENUE 8 & AVENUE 11
10	UNDERGROUND SYSTEM, AVENUE 27
11/12	UNDERGROUND SYSTEM, SECTIONS
01	SINES INDUSTRIAL COMPLEX, PLOT PLAN GENERAL TOPOGRAPHIC SURVEY STATIONS DATUM MILITAR COORDINATES
1	GENERAL SEWER SYSTEMS
2	GENERAL SEWER SYSTEMS, ALBA PROJECT DISMANTLING PIPES

NOTES

- ARE IN MILLIMETERS (mm).
S AND ELEVATIONS ARE IN METERS (m).
REFER TO THE DATUM/LOCAL COORDINATE SYSTEM GENERALLY
USED FOR THIS PROJECT.
TAPR
WGS 1984
TRANSVERSE PROJECTION SYSTEM GEODE
SSE-43 UTM/UTM COORDINATES
ERRED TO SEA LEVEL AT MAREGRAFO DE CASCAIS.
ELEVATION USED ACCORDING BASE: FREEP06. START ELEVATION FOR
ELING OF THE DOUBLE RING CARRIED OUT TO PROVIDE ALTIMETRY
TESTED TOPOGRAPHIC NETWORK BASES.
CROLS WILL BE REINFORCED IN ACCORDANCE WITH THE DESCRIBED IN
C. PIPE: EXISTING OIL DRAINAGE PIPE AND REPLACE
PIPE PLACING IT INTO THE EXISTING MANHOLE AND SCUPPER.
D. LIGHTING SYSTEM: EXISTING LUMINARE TO BE RELOCATED IN SIMILAR
DRAWINGS: OB-000-7-05-00001 AND OB-000-7-05-00002.
EXISTING TRENCHES FOR LIGHTING SYSTEM.

LEGEND

TION
AL DIAMETER
AL DIAMETER
M OF MANHOLE

SYMOLOGY

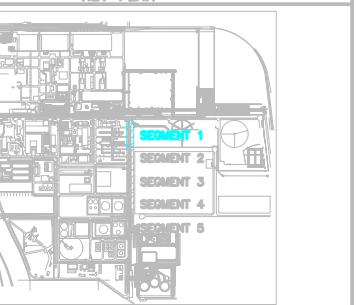
CLEAN RAINWATER HDPE CORRUGATED SN8 (EN-13476) WILL BE USED UP TO DN1000. FOR HIGHER DIAMETERS WILL BE USED REINFORCED CONCRETE CLASS 135 (EN-1916)

TYPE SW MANHOLE

NHOLE

BOTTOM PIPE ELEVATION

KEY PLAN



SEALADO MAS NÃO TESTADO

TESTADO E APROVADO

 NÃO TESTADO

MODIFICATION	29/09/23	C.B.A.	H.B.S.	G.R.C.	P.L.Z.
ED WHERE INDICATED	20/07/23	C.B.A.	H.B.S.	G.R.C.	P.L.Z.
ED WHERE INDICATED	26/05/23	C.B.A.	H.B.S.	G.R.C.	P.L.Z.
MODIFICATION	10/05/23	C.B.A.	H.B.S.	G.R.C.	P.L.Z.
DESCRIPCION / DESCRIPCION	FECHA / DATE	REALIZ. PROP.	COMPR. CHECK	APROB. APPROV.	CONFIRM.
NEGOCIO: BUSINESS:					
REPSOL POLIMEROS, S.A.					

FACIL

ESCALA: TAMANO:

OFFSITES ALBA
SYSTEMS, LOGISTIC PLATFORM, PP AND PEL
ERAL ARRANGEMENT—RED LINE

