

Pavement

Filling material: gravels in sandy with some silty layers

Homogeneous silty sand

Gravels and pebbles in sandy to silty matrix

Compact red loamy - clays. Some interbedded sandy

Gravel in a silty clay matrix

Sand stone

Projected Piezometer

Monitoring well

Screen

New monitoring point (2017)

1D or 2D zone

GAS DIFFUSIVITY ONLY IN SOIL

A/A INTERFACE

TEMPERATURE

GW table

S20

Sv5/S21

—xx

α
m²/s

160

<0.16

Monitoring well

Screen

New monitoring point (2017)

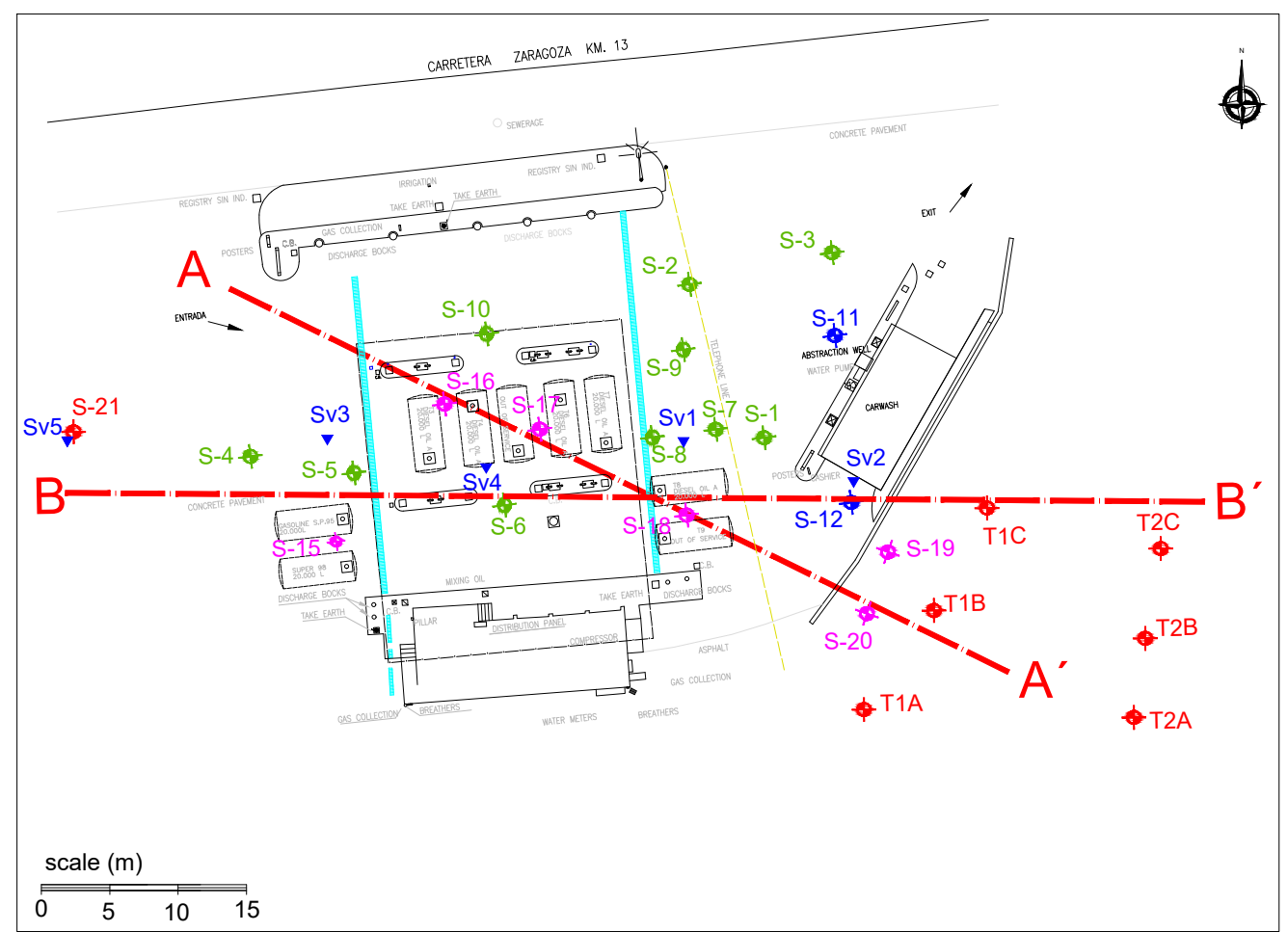
1D or 2D zone

GAS DIFFUSIVITY ONLY IN SOIL

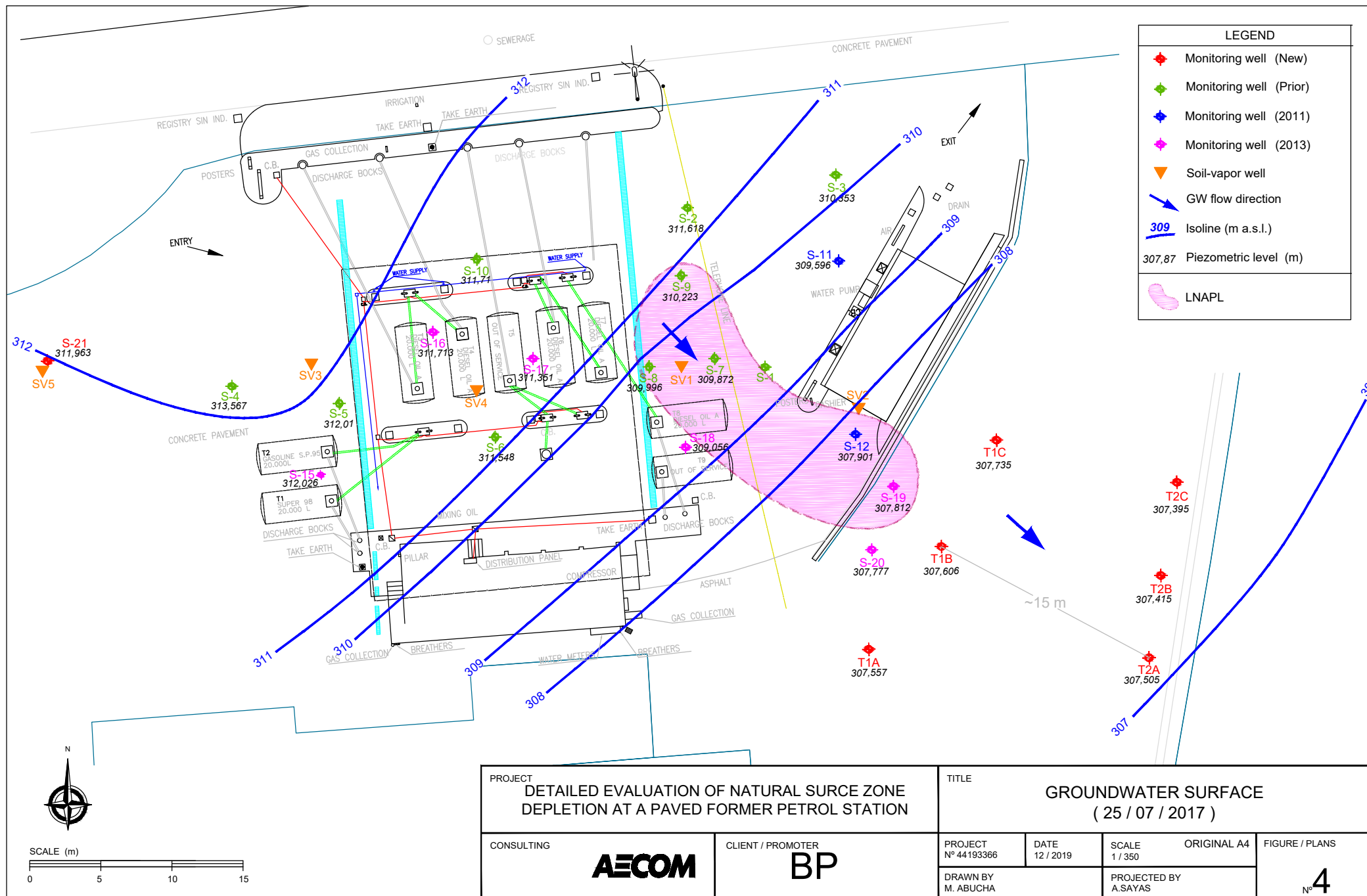
A/A INTERFACE

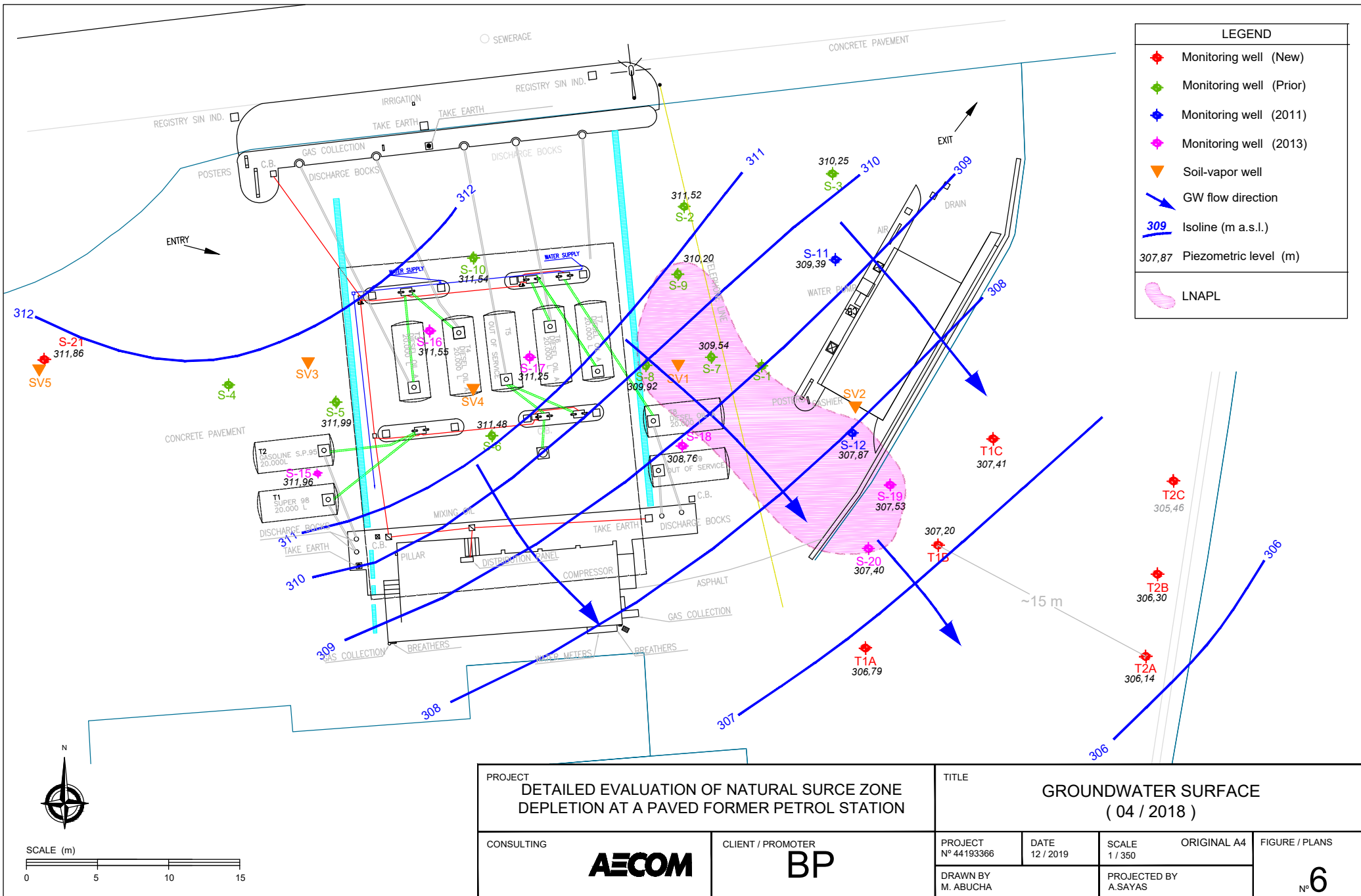
TEMPERATURE

GW table

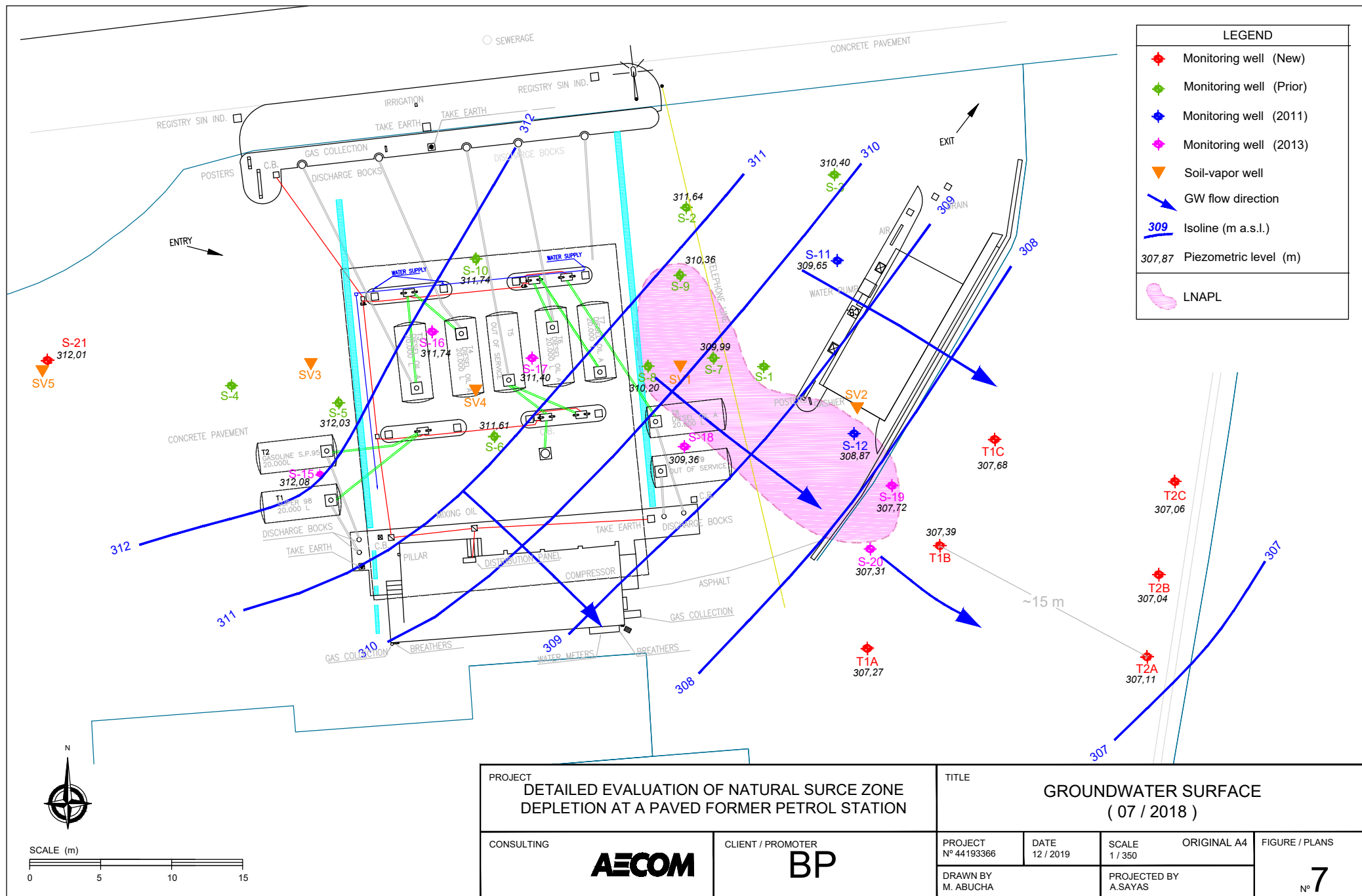


CONSULTING	CLIENT / PROMOTER	PROJECT	TITLE	PROJECT	DATE	SCALE	PLANO
AECOM	BP	DETAILED EVALUATION OF NATURAL SURGE ZONE DEPLETION AT A PAVED FORMER PETROL STATION	Cross section (B-B')	Nº 44193366	12 / 2019	ORIGINAL A3	No. 03.2
				DRAWN BY M. ABUCHA		PROJECTED BY S. AMAYA	



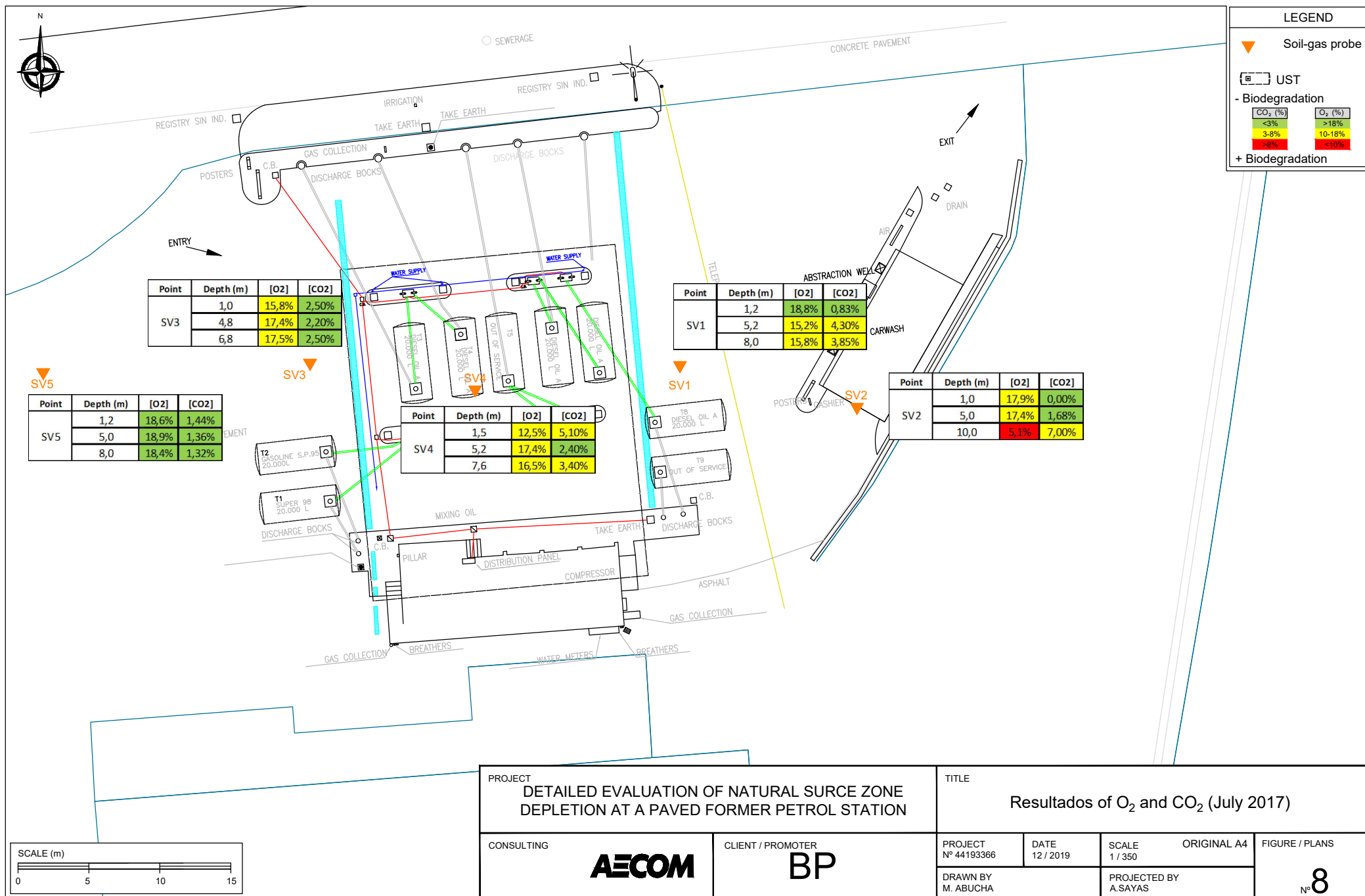


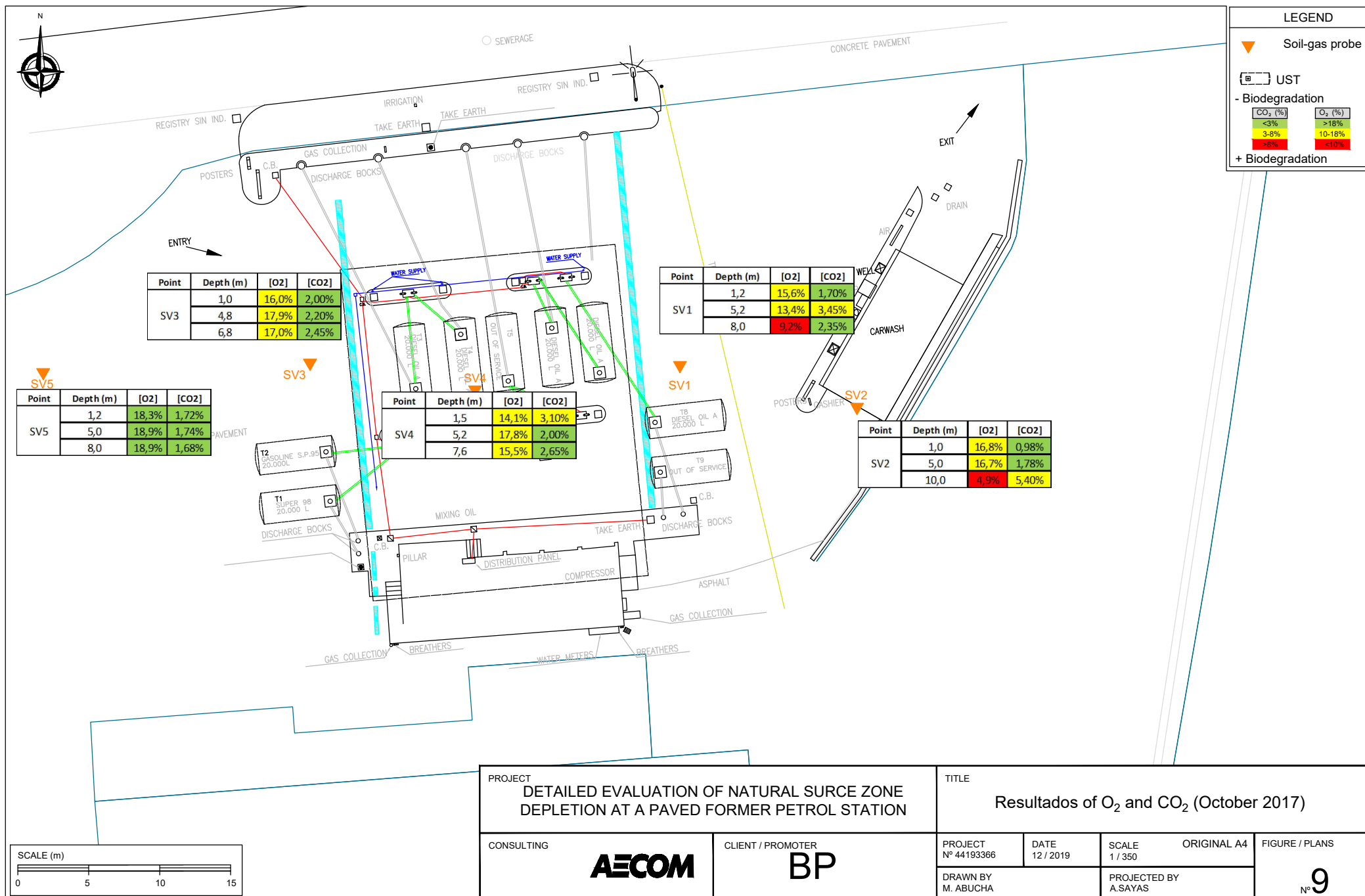
PROJECT DETAILED EVALUATION OF NATURAL SURGE ZONE DEPLETION AT A PAVED FORMER PETROL STATION		TITLE GROUNDWATER SURFACE (04 / 2018)			
CONSULTING AECOM	CLIENT / PROMOTER BP	PROJECT N° 44193366	DATE 12 / 2019	SCALE 1 / 350	ORIGINAL A4
		DRAWN BY M. ABUCHA	PROJECTED BY A.SAYAS		FIGURE / PLANS 6

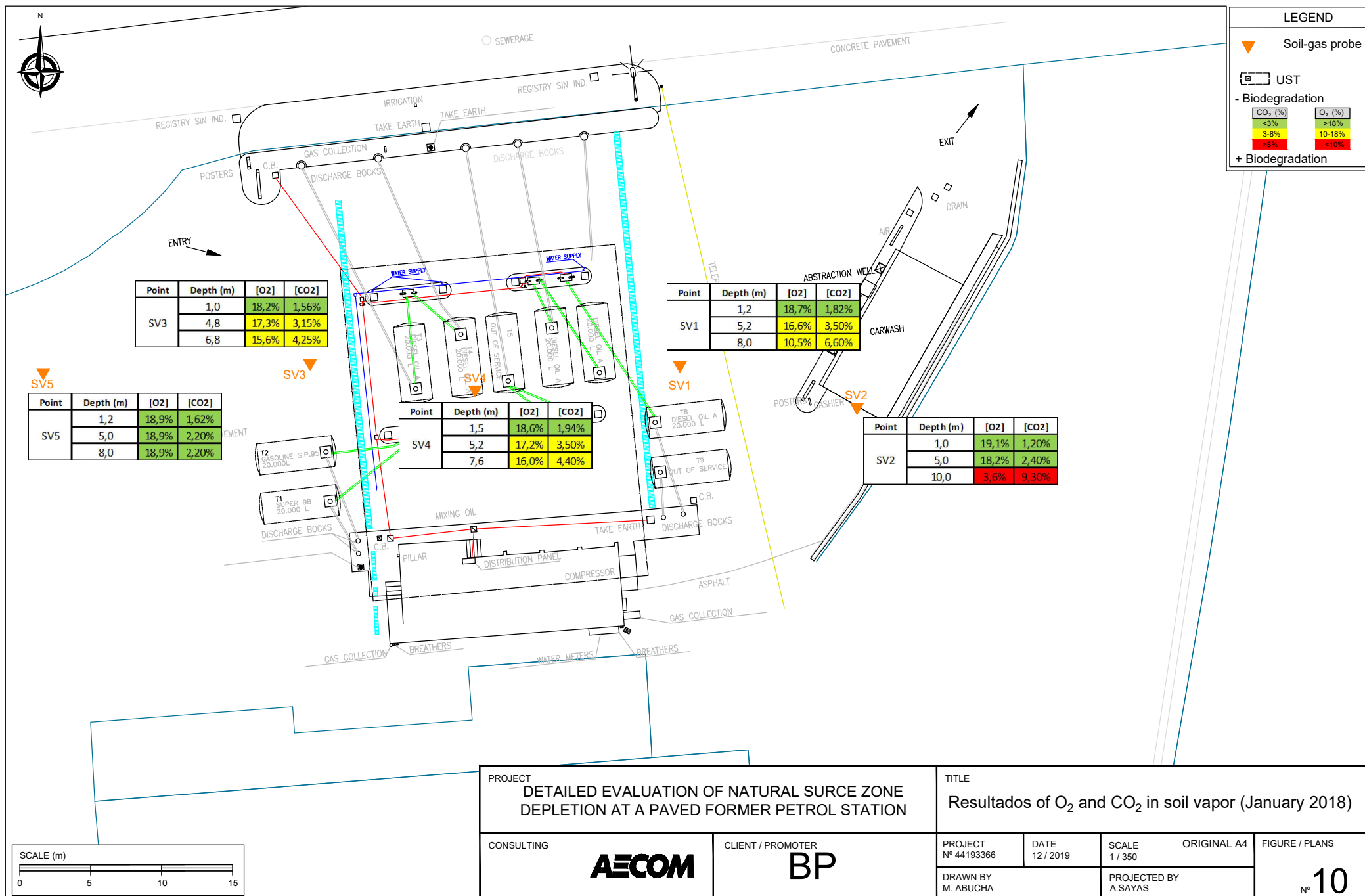


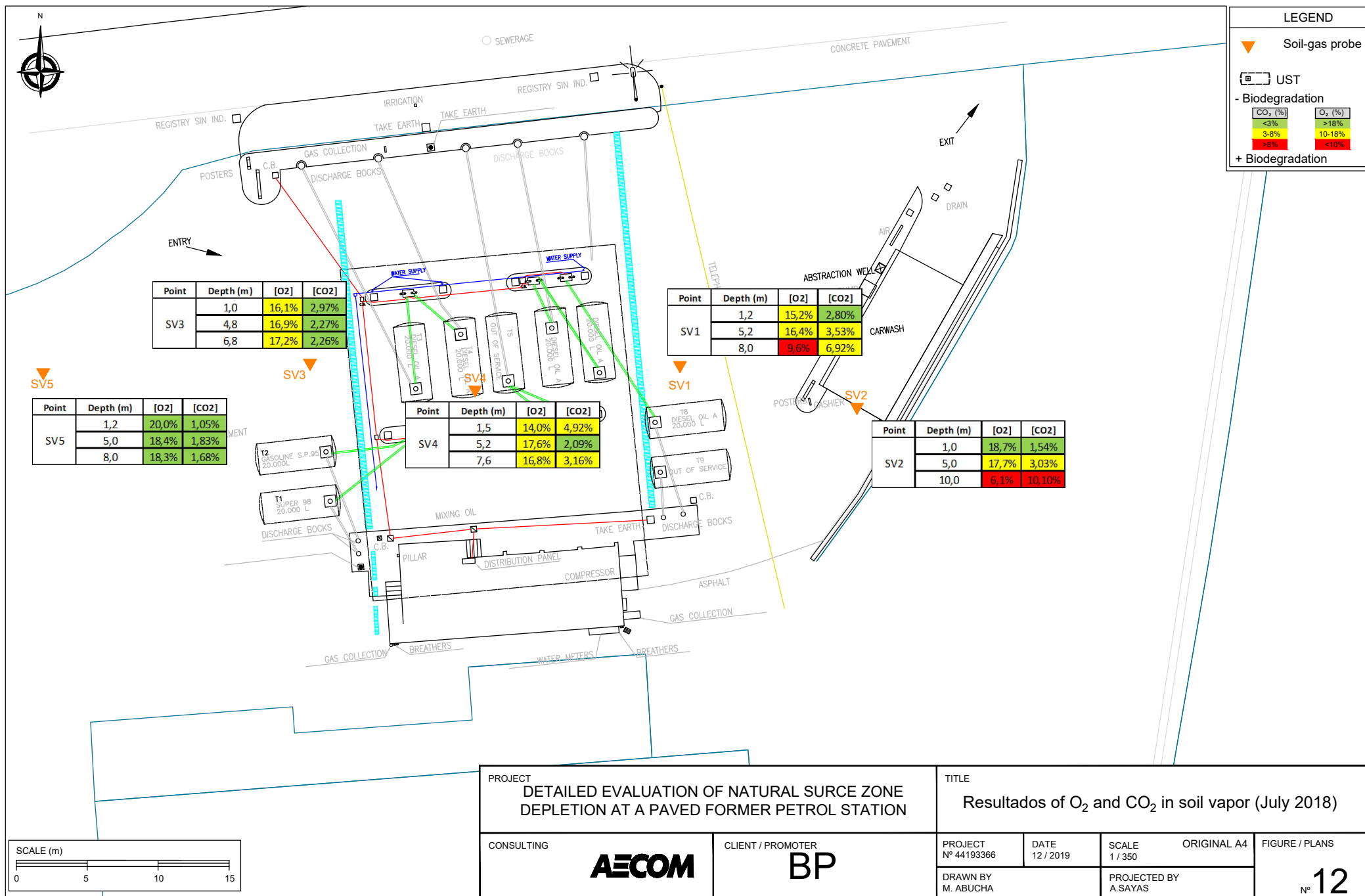
LEGEND	
◆	Monitoring well (New)
◆	Monitoring well (Prior)
◆	Monitoring well (2011)
◆	Monitoring well (2013)
▼	Soil-vapor well
→	GW flow direction
— 309	Isoline (m a.s.l.)
307,87	Piezometric level (m)
	LNAPL

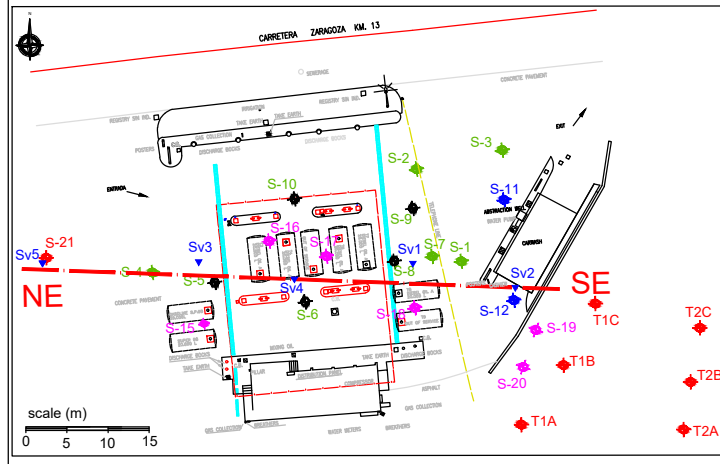
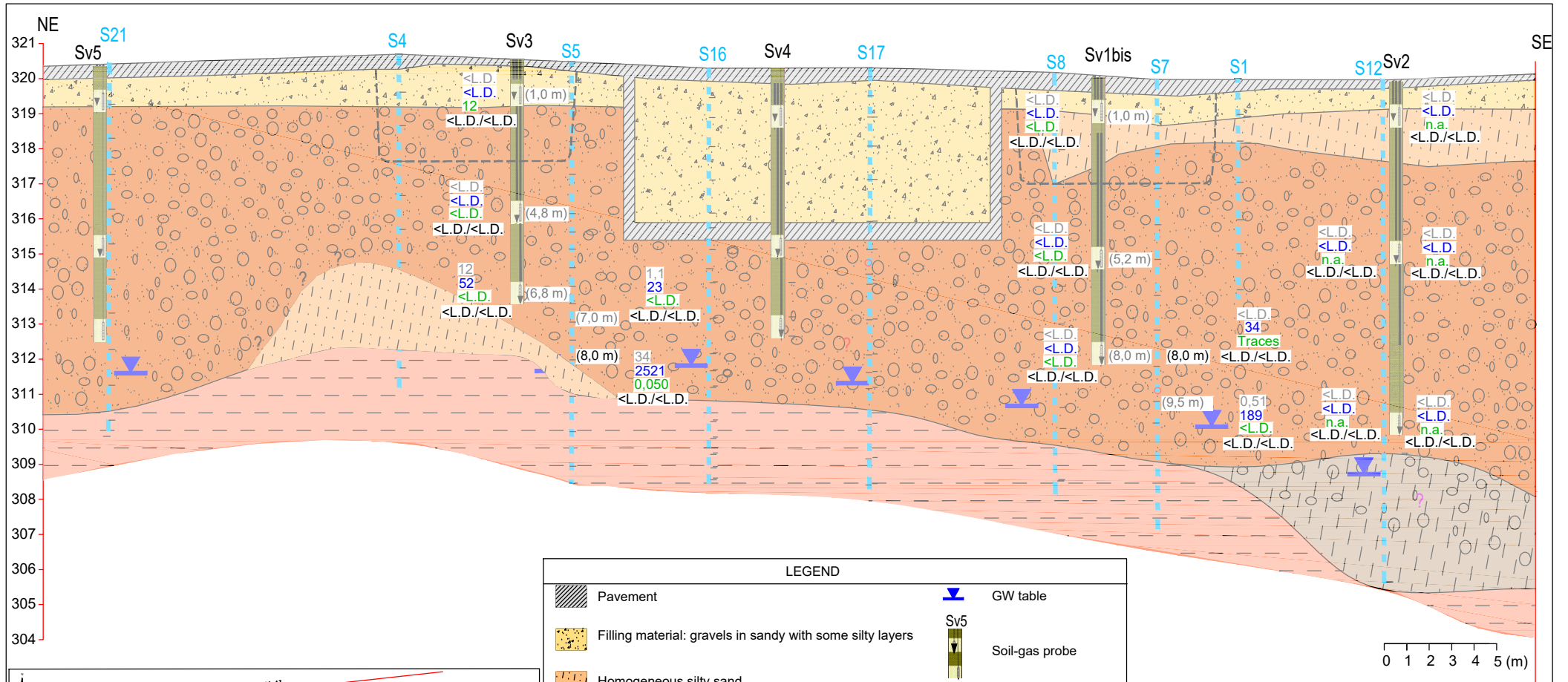
PROJECT DETAILED EVALUATION OF NATURAL SURGE ZONE DEPLETION AT A PAVED FORMER PETROL STATION		TITLE GROUNDWATER SURFACE (07 / 2018)			
CONSULTING AECOM	CLIENT / PROMOTER BP	PROJECT N° 44193366	DATE 12 / 2019	SCALE 1 / 350	FIGURE / PLANS 7
		DRAWN BY M. ABUCHA		PROJECTED BY A.SAYAS	



















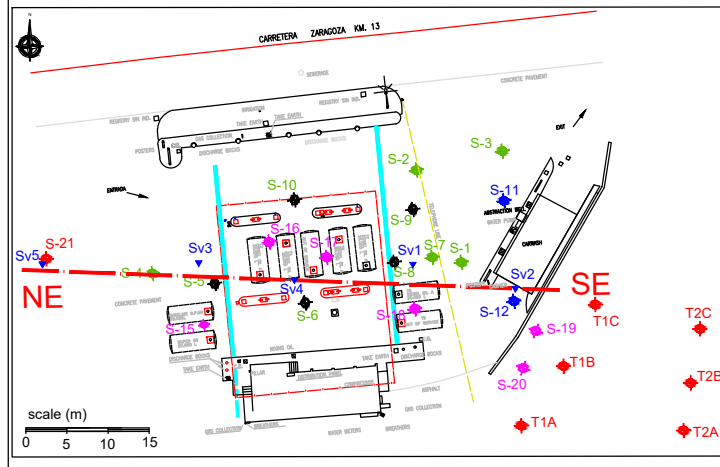
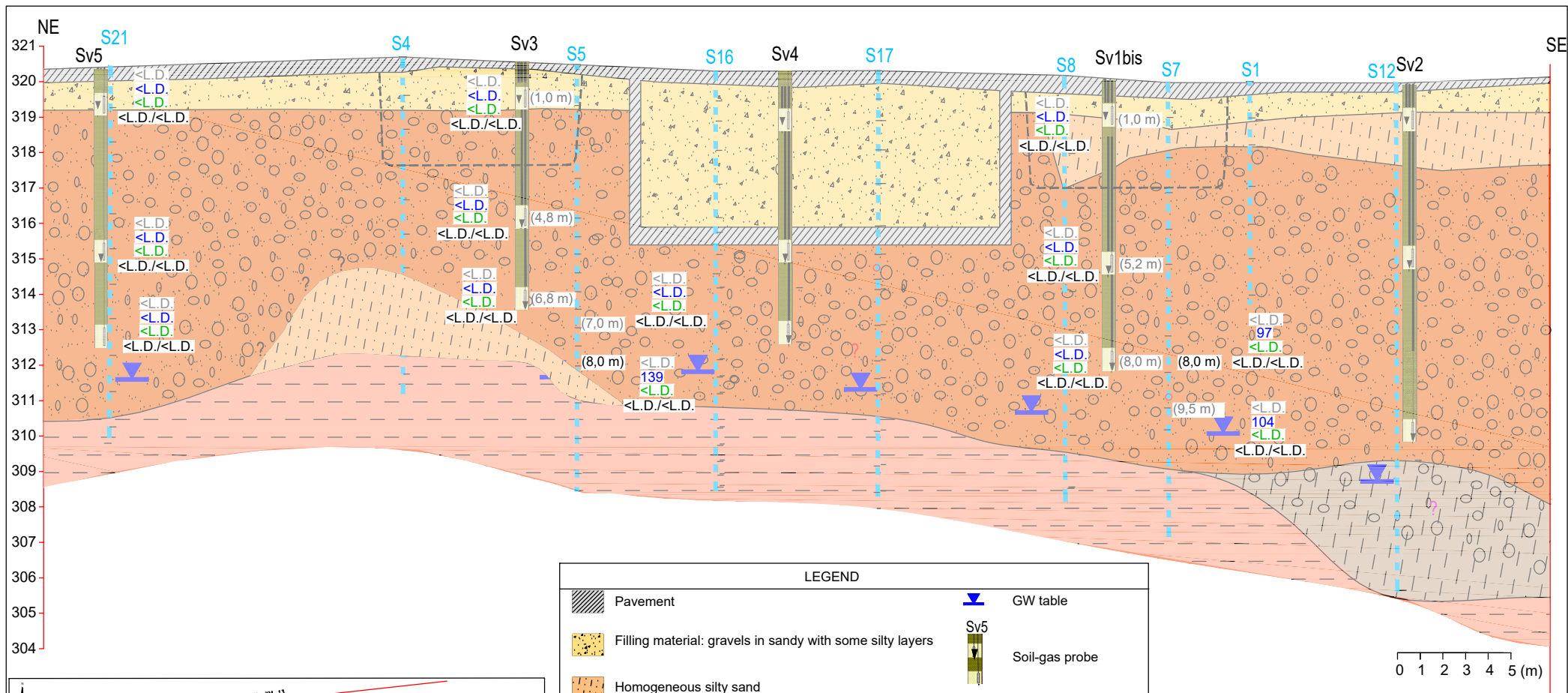






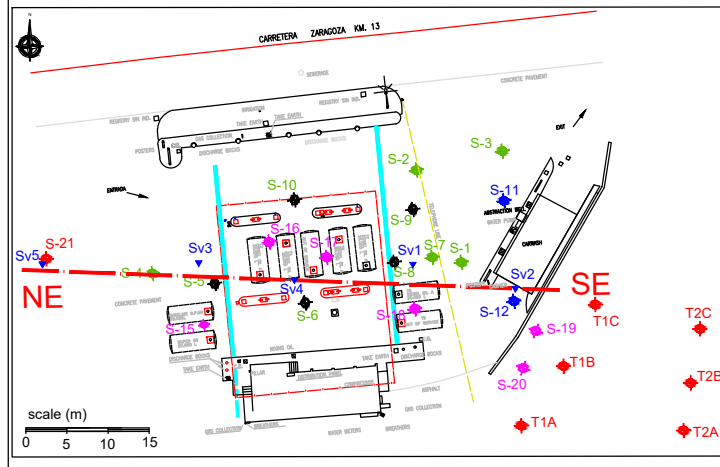
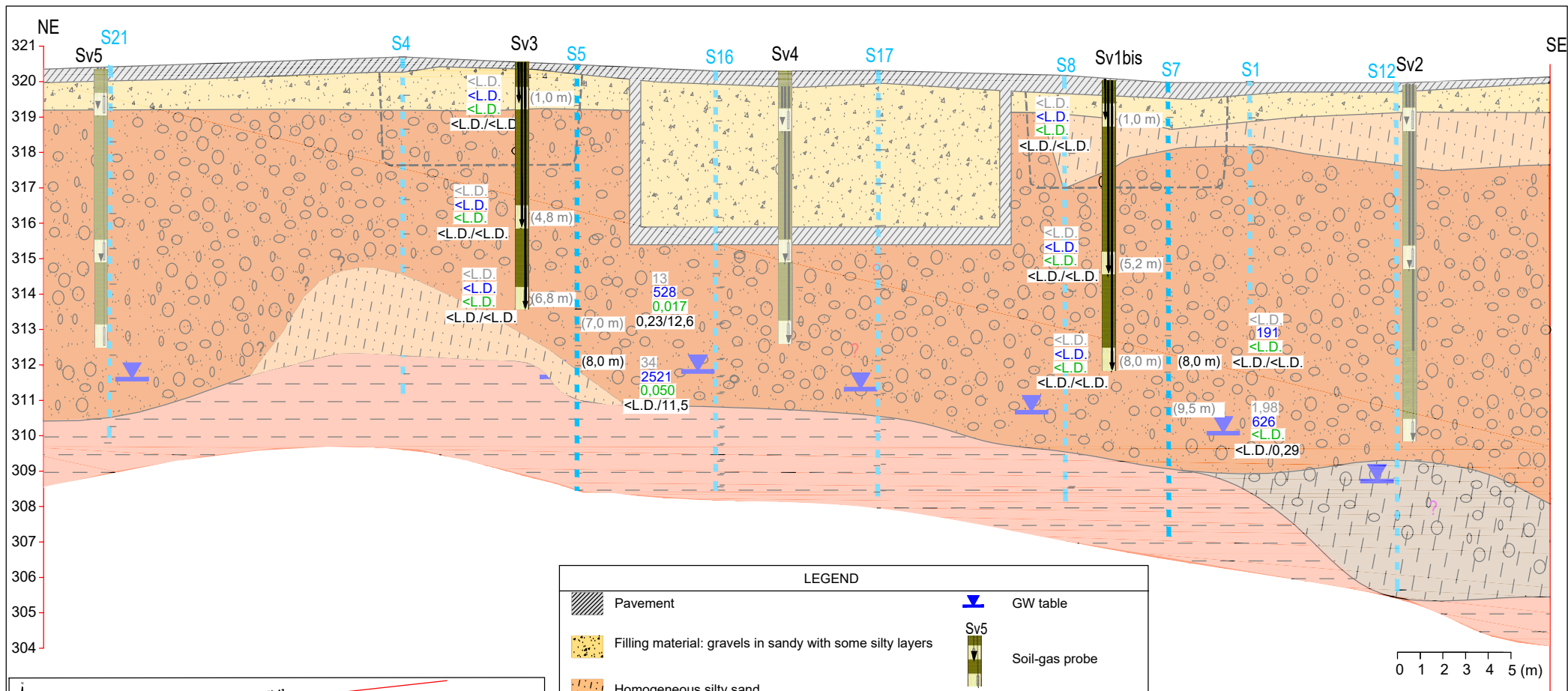


<div>LEGEND</div> <div><div> Pavement</div><div> Filling material: gravels in sandy with some silty layers</div><div> Homogeneous silty sand</div><div> Gravels and pebbles in sandy to silty matrix</div><div> Compact red loamy - clays. Some interbedded sandy</div><div> Gravel in a silty clay matrix</div></div> <div><div> GW table</div><div> Sv5</div><div> Soil-gas probe</div><div> Piezometer</div><div><u>COC's concentration (mg/m³)</u></div><div><div><L.D.</div><div><L.D.</div><div>Traces</div><div><L.D./<L.D.</div></div><div><div>BTEX</div><div>TPH C₆-C₁₀</div><div>PAH's(16)</div><div>MTBE/ETBE</div></div></div> <tr><td colspan="2"><div>PROJECT</div><div>DETAILED EVALUATION OF NATURAL SURGE ZONE DEPLETION AT A PAVED FORMER PETROL STATION</div></td><td colspan="4"><div>TITLE</div><div>Cross section (June 2017)</div></td></tr> <tr><td><div>CONSULTING</div><div></div></td><td><div>CLIENT / PROMOTER</div><div></div></td><td><div>PROJECT</div><div>N° 44193366</div></td><td><div>DATE</div><div>12 / 2019</div></td><td><div>SCALE</div><div>1 / 350</div></td><td><div>ORIGINAL A4</div></td><td><div>FIGURE / PLANS</div><div>N° 18</div></td></tr> <tr><td colspan="2"></td><td><div>DRAWN BY</div><div>M. ABUCHA</div></td><td colspan="2"><div>PROJECTED BY</div><div>A.SAYAS</div></td><td colspan="2"></td></tr>		<div>PROJECT</div> <div>DETAILED EVALUATION OF NATURAL SURGE ZONE DEPLETION AT A PAVED FORMER PETROL STATION</div>		<div>TITLE</div> <div>Cross section (June 2017)</div>				<div>CONSULTING</div> <div></div>	<div>CLIENT / PROMOTER</div> <div></div>	<div>PROJECT</div> <div>N° 44193366</div>	<div>DATE</div> <div>12 / 2019</div>	<div>SCALE</div> <div>1 / 350</div>	<div>ORIGINAL A4</div>	<div>FIGURE / PLANS</div> <div>N° 18</div>			<div>DRAWN BY</div> <div>M. ABUCHA</div>	<div>PROJECTED BY</div> <div>A.SAYAS</div>			
<div>PROJECT</div> <div>DETAILED EVALUATION OF NATURAL SURGE ZONE DEPLETION AT A PAVED FORMER PETROL STATION</div>		<div>TITLE</div> <div>Cross section (June 2017)</div>																			
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		<div>DRAWN BY</div> <div>M. ABUCHA</div>	<div>PROJECTED BY</div> <div>A.SAYAS</div>																		



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	Compact red loamy - clays. Some interbedded sandy
	Gravel in a silty clay matrix
	GW table
	Soil-gas probe
	Piezometer
COC's concentration (mg/m³)	
<L.D.	BTEX
<L.D.	TPH C6-C10
Traces	PAH's(16)
<L.D./<L.D.	MTBE/ETBE

PROJECT DETAILED EVALUATION OF NATURAL SURGE ZONE DEPLETION AT A PAVED FORMER PETROL STATION		TITLE Cross section (October 2017)			
CONSULTING	AECOM	CLIENT / PROMOTER	BP	PROJECT N° 44193366	DATE 12 / 2019
				DRAWN BY M. ABUCHA	SCALE 1 / 350
				ORIGINAL A4	FIGURE / PLANS
				PROJECTED BY A.SAYAS	N° 19



PROJECT
**DETAILED EVALUATION OF NATURAL SURGE ZONE
DEPLETION AT A PAVED FORMER PETROL STATION**

TITLE

Cross section (January 2018)

CONSULTING

AECOM

CLIENT / PROMOTER

BP

PROJECT

Nº 44193366

DATE

12 / 2019

SCALE

1 / 350

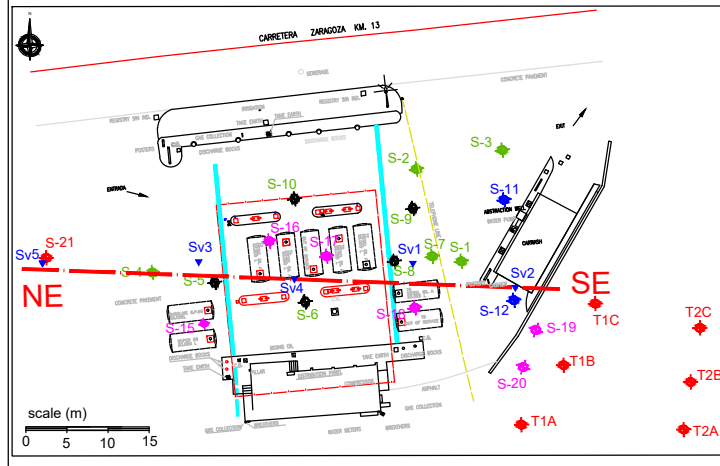
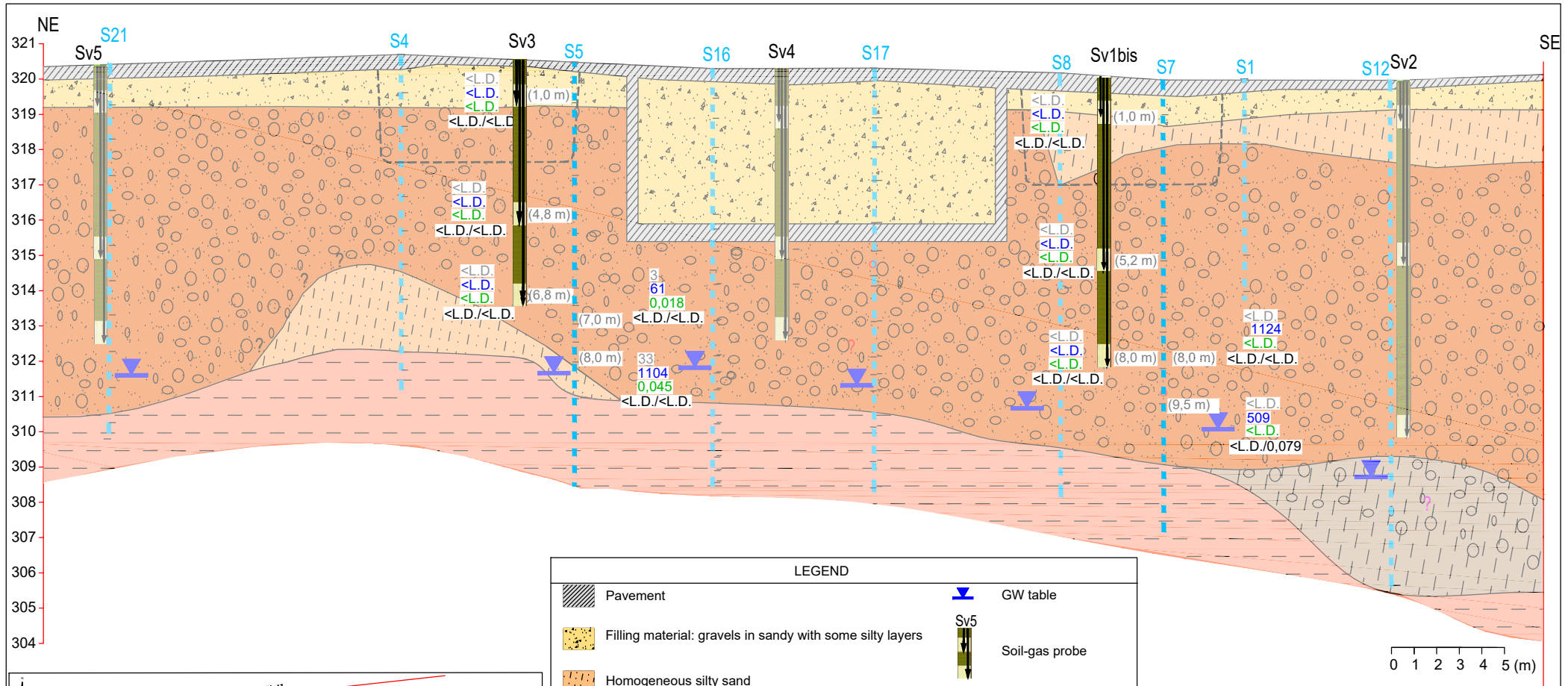
ORIGINAL A4

FIGURE / PLANS

DRAWN BY
M. ABUCHA

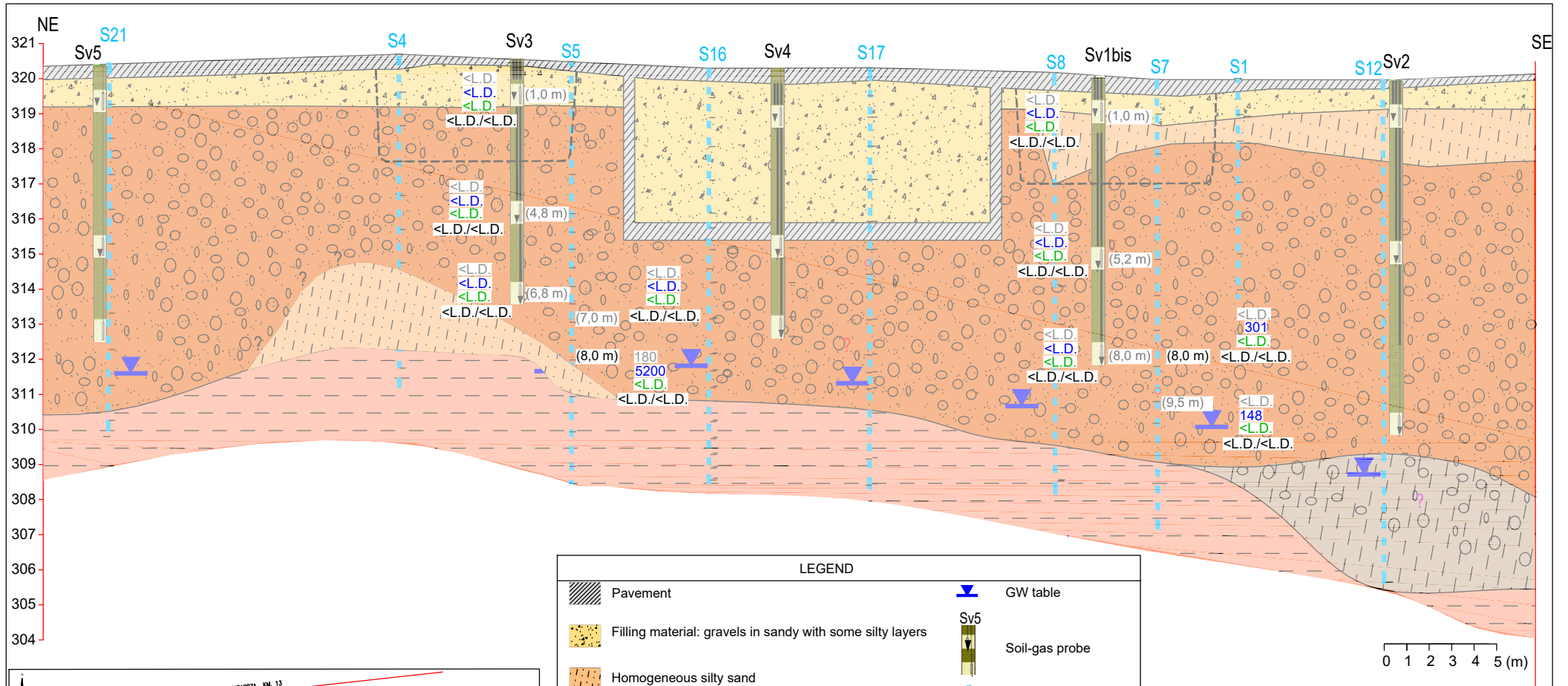
PROJECTED BY
A.SAYAS

20
Nº

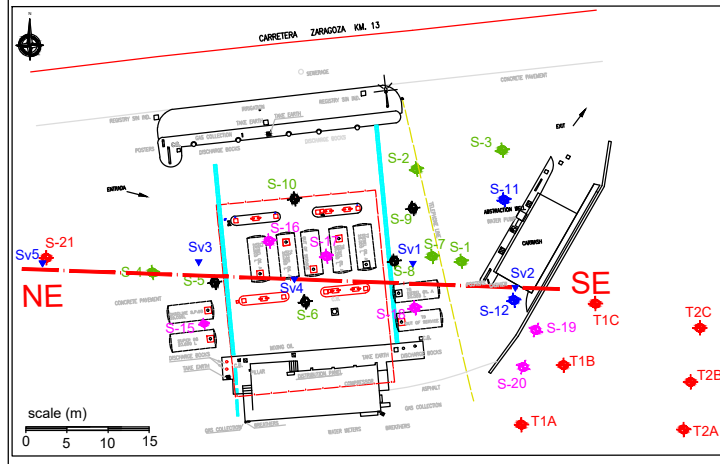


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<L.D.	TPH C6-C10
Traces	PAH's(16)
<L.D./<L.D.	MTBE/ETBE

PROJECT DETAILED EVALUATION OF NATURAL SURGE ZONE DEPLETION AT A PAVED FORMER PETROL STATION		TITLE Cross section (April 2018)			
CONSULTING AECOM	CLIENT / PROMOTER BP	PROJECT N° 44193366	DATE 12 / 2019	SCALE 1 / 350	ORIGINAL A4
		DRAWN BY M. ABUCHA	PROJECTED BY A.SAYAS		FIGURE / PLANS 21



LEGEND	
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Traces	PAH's(16)
<L.D./<L.D.	MTBE/ETBE



PROJECT DETAILED EVALUATION OF NATURAL SURGE ZONE DEPLETION AT A PAVED FORMER PETROL STATION		TITLE Cross section (July 2018)			
CONSULTING AECOM	CLIENT / PROMOTER BP	PROJECT N° 44193366	DATE 12 / 2019	SCALE 1 / 350	ORIGINAL A4
		DRAWN BY M. ABUCHA	PROJECTED BY A.SAYAS		FIGURE / PLANS 22

