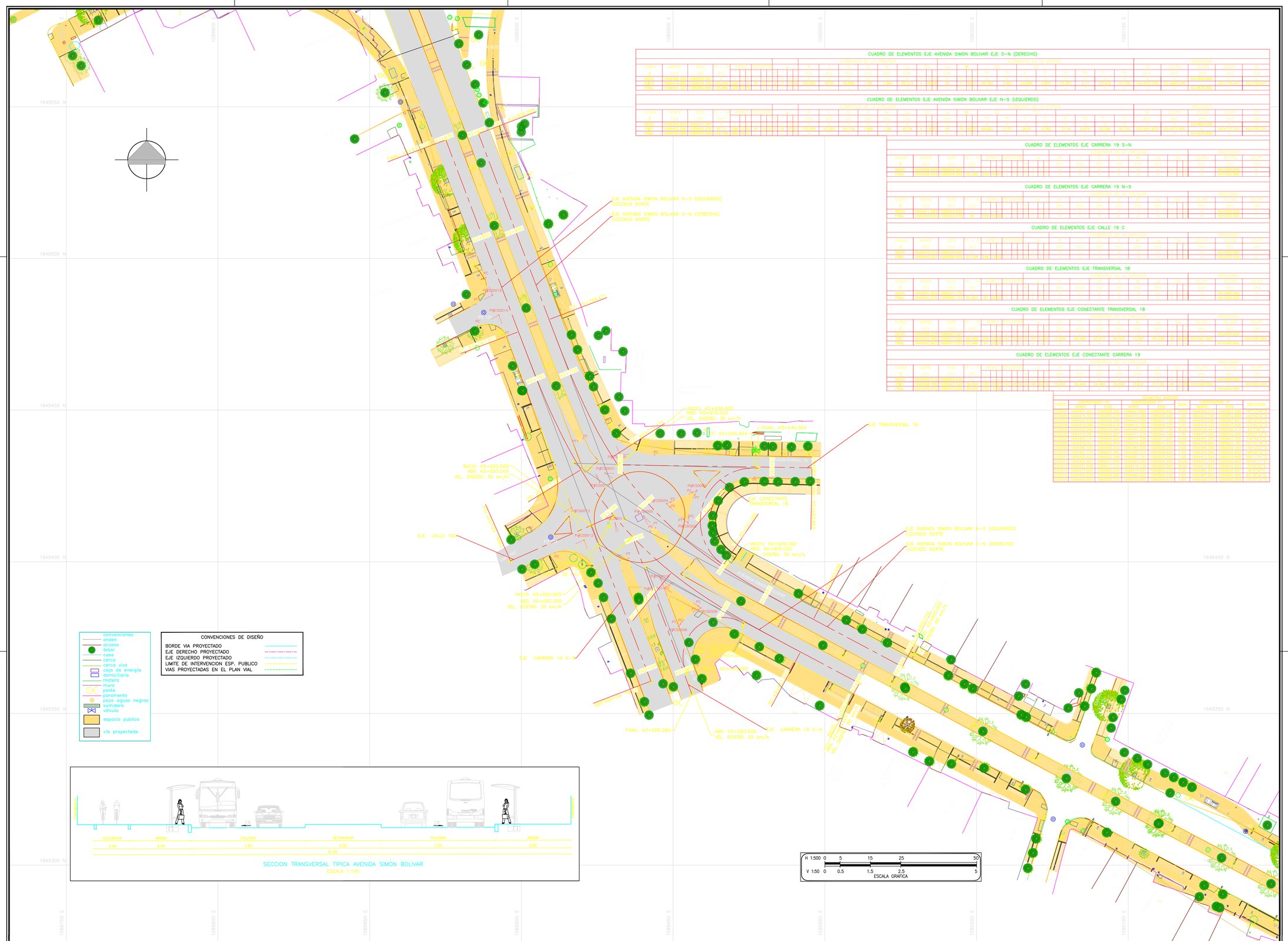


CUADRO DE ELEMENTOS EJE AVENIDA SIMON BOLIVAR EJE S-N (DERECHO)

CURVA #	NORTE (m)	ESTE (m)	PI = PI (m)	AZIMUT	DEFLEXION	R (m)	T (m)	CI (m)	E (m)	M (m)	Lc (m)	Le (m)	θe	EC (m)	Xc	Yc	K	P	Te	Ee	Ti	Tc	TL (m)	EC/PC (m)	CE/PT (m)	CE/PT (m)
INICIO	1649359.392	1089999.547	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ABSCISADO K2+000.000	–	–
PI=PI	1649414.089	1089974.109	103.605	298° 12' 41"	10° 17' 01"	190.000	17.345	120.000	1.395	36.086	1.38	1.364	36.913	4° 14' 22"	55	11	54.91	18.243	3.481	24.064	0.867	70.357	8.11	53.499	16.736	K2+683.248	K2+719.471	K2+719.471
FINAL	1649541.122	1089883.800	135.880	339° 12' 41"	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	K2+835.000	–	–

CUADRO DE ELEMENTOS EJE AVENIDA SIMON BOLIVAR EJE N-S (IZQUIERDO)

CURVA #	NORTE (m)	ESTE (m)	PI = PI (m)	AZIMUT	DEFLEXION	R (m)	T (m)	CI (m)	E (m)	M (m)	Lc (m)	Le (m)	θe	EC (m)	Xc	Yc	K	P	Te	Ee	Ti	Tc	TL (m)	EC/PC (m)	CE/PT (m)	CE/PT (m)
INICIO	1649359.953	1090011.397	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ABSCISADO K2+000.000	–	–
PI=PI	1649455.556	1089926.849	97.113	298° 12' 41"	15° 52' 15"	132.000	20.925	45.139	1.969	1.94	45.39	4° 10' 27"	55	10	48.97	49.827	3.137	24.07	0.785	75.14	9.915	53.398	16.733	K2+671.976	K2+671.976	K2+717.371	K2+717.371
FINAL	1649532.999	1089879.999	142.788	339° 12' 41"	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	K2+835.000	–	–

CUADRO DE ELEMENTOS EJE CARRERA 19 S-N

CURVA #	NORTE (m)	ESTE (m)	PI = PI (m)	AZIMUT	DEFLEXION	R (m)	T (m)	CI (m)	E (m)	M (m)	Lc (m)	Le (m)	θe	EC (m)	Xc	Yc	K	P	Te	Ee	Ti	Tc	TL (m)	EC/PC (m)	CE/PT (m)	CE/PT (m)
INICIO	1649356.564	1089956.087	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ABSCISADO K0+000.000	–	–
FINAL	1649408.956	1089936.582	55.785	339° 10' 47"	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	K0+055.285

CUADRO DE ELEMENTOS EJE CARRERA 19 N-S

CURVA #	NORTE (m)	ESTE (m)	PI = PI (m)	AZIMUT	DEFLEXION	R (m)	T (m)	CI (m)	E (m)	M (m)	Lc (m)	Le (m)	θe	EC (m)	Xc	Yc	K	P	Te	Ee	Ti	Tc	TL (m)	EC/PC (m)	CE/PT (m)	CE/PT (m)
INICIO	1649411.983	1089922.246	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ABSCISADO K0+000.000	–	–
FINAL	1649360.948	1089944.979	55	159° 10' 47"	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	K0+055.000

CUADRO DE ELEMENTOS EJE CALLE 16 C

CURVA #	NORTE (m)	ESTE (m)	PI = PI (m)	AZIMUT	DEFLEXION	R (m)	T (m)	CI (m)	E (m)	M (m)	Lc (m)	Le (m)	θe	EC (m)	Xc	Yc	K	P	Te	Ee	Ti	Tc	TL (m)	EC/PC (m)	CE/PT (m)	CE/PT (m)
INICIO	1649416.774	1089932.407	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ABSCISADO K0+000.000	–	–
FINAL	1649420.297	1089896.405	37.154	246° 13' 45"	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	K0+037.154

CUADRO DE ELEMENTOS EJE TRANSVERSAL 18

CURVA #	NORTE (m)	ESTE (m)	PI = PI (m)	AZIMUT	DEFLEXION	R (m)	T (m)	CI (m)	E (m)	M (m)	Lc (m)	Le (m)	θe	EC (m)	Xc	Yc	K	P	Te	Ee	Ti	Tc	TL (m)	EC/PC (m)	CE/PT (m)	CE/PT (m)
INICIO	1649431.950	1089933.776	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ABSCISADO K0+000.000	–	–
FINAL	1649470.975	1089968.531	63.993	90° 00' 00"	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	K0+063.993

CUADRO DE ELEMENTOS EJE CONECTANTE TRANSVERSAL 18

CURVA #	NORTE (m)	ESTE (m)	PI = PI (m)	AZIMUT	DEFLEXION	R (m)	T (m)	CI (m)	E (m)	M (m)	Lc (m)	Le (m)	θe	EC (m)	Xc	Yc	K	P	Te	Ee	Ti	Tc	TL (m)	EC/PC (m)	CE/PT (m)	CE/PT (m)
INICIO	1649438.162	1089957.421	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ABSCISADO K0+000.000	–	–
PI=PI	1649432.488	1089974.456	50.488	104° 50' 14"	15° 24' 0"	187.500	69.488	53.577	44.509	12.561	44.338	3° 47' 25"	55	10	48.97	49.827	3.137	24.07	0.785	75.14	9.915	53.398	16.733	K0+021.000	K0+021.000	K0+045.964	K0+045.964
FINAL	1649450.892	1089977.833	50.488	91° 10' 14"	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	K0+046.964	–	–

CUADRO DE ELEMENTOS EJE CONECTANTE CARRERA 19

CURVA #	NORTE (m)	ESTE (m)	PI = PI (m)	AZIMUT	DEFLEXION	R (m)	T (m)	CI (m)	E (m)	M (m)	Lc (m)	Le (m)	θe	EC (m)	Xc	Yc	K	P	Te	Ee	Ti	Tc	TL (m)	EC/PC (m)	CE/PT (m)	CE/PT (m)
INICIO	1649383.615	1089954.770	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ABSCISADO K0+000.000	–	–
PI=PI	1649398.160	1089941.229	36.944	339° 10' 47"	160° 44' 0"	160° 44' 0"	13.000	36.484	24.480	25.693	8.632	31.109	44° 42' 25"	55	10	48.97	49.827	3.137	24.07	0.785	75.14	9.915	53.398	16.733	K0+000.500	K0+032.432	K0+032.432	K0+032.432
FINAL	1649429.972	1089918.529	36.944	339° 10' 47"	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	K0+063.376	–	–

GEOMETRIA ANDENES

PUNTO	COORDENADAS PI			RADIO	COORDENADAS PI			DEFLEXION
	NORTE	ESTE			NORTE	ESTE		
CI0001	1649401.431	1089968.580	1649427.800	1089974.805	14.50	1649409.215	1089974.626	14°35'54.0"
CI0002	1649419.703	1089955.700	1649443.908	1089964.809	1.00	1649419.703	1089964.809	90°49'29.0"
CI0003	1649419.703	1089955.700	1649427.085	1089955.700	0.00	1649425.936	1089955.700	90°49'29.0"
CI0004	1649418.008	1089948.318	1649418.220	1089949.220	1.00	1649418.193	1089949.220	179°43'29.0"
CI0005	1649418.008	1089948.318	1649440.220	1089949.224	1.00	1649440.193	1089949.224	179°43'29.0"
CI0006	1649417.100	1089942.597	1649417.934	1089941.598	1.00	1649418.593	1089941.598	152°29'33.0"
CI0007	1649396.414	1089930.600	1649397.208	1089931.598	1.00	1649397.208	1089931.598	116°04'31.0"
CI0008	1649418.593	1089957.440	1649393.440	1089955.438	5.60	1649393.684	1089957.051	152°29'33.0"
CI0009	1649418.593	1089957.440	1649397.208	1089955.438	5.60	1649397.208	1089955.438	116°04'31.0"
CI0010	1649431.170	1089947.081	1649392.533	1089946.609	1.00	1649394.485	1089946.630	148°35'47.0"
CI0011	1649402.426	1089933.100	1649401.111	1089934.099	1.00	1649401.292	1089933.100	152°29'33.0"
CI0012	1649402.426	1089933.100	1649397.209	1089932.602	1.00	1649397.209	1089932.602	116°04'31.0"
CI0013	1649431.944	1089911.414	1649410.109	1089893.500	18.00	1649419.330	1089918.553	82°40'53.0"
CI0014	1649417.858	1089911.414	1649422.536	1089893.500	18.00	1649422.536	1089893.500	82°40'53.0"
CI0015	1649431.650	1089888.500	1649406.205	1089885.500	7.00	1649406.205	1089885.500	82°40'53.0"
CI0016	1649407.205	1089900.331	1649419.330	1089918.553	7.00	1649406.135	1089900.400	152°29'33.0"

convenciones

- anden
- acceso
- árbol
- casa
- cerca
- cerca viva
- caja de energía domiciliaria
- matera
- muro
- poste
- paramento
- pozo aguas negras
- sumidero
- válvula
- espacio publico
- vía proyectada

CONVENCIONES DE DISEÑO

- BORDE VIA PROYECTADO
- EJE DERECHO PROYECTADO
- EJE IZQUIERDO PROYECTADO
- LIMITE DE INTERVENCION ESP. PUBLICO
- VIAS PROYECTADAS EN EL PLAN VIAL

SECCION TRANSVERSAL TIPICA AVENIDA SIMON BOLIVAR
ESCALA 1:100

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ALCALDÍA VALLEDUPAR

CONSULTOR: CONSORCIO Boma Inpasa – Silva Carreño & Asociados S.A.S.
CONTRATO CM-001-2011-01

APROBADO POR: ING. RODRIGO CERON
Mat.: 19202-31019 CAU

INTERVENTORIA: INGENIERIA INTEGRAL GEICOL S.A.S. GRUPO DE ESTUDIOS E INVESTIGACIONES COLOMBIANO

DIRECTOR DE INTERVENTORIA: ING. RODRIGO CERON
Mat.: 19202-31019 CAU

MODIFICACIONES

Fecha	Revisión	Observaciones

PROYECTO: ESTUDIOS Y DISEÑOS DE LOS COMPONENTES DE LOS GRUPOS 1,2 Y 3 DEL SISTEMA ESTRATEGICO DE TRANSPORTE PÚBLICO DE PASAJEROS DE LA CIUDAD DE VALLEDUPAR – S.E.T.P.

CONTENIDO: DISEÑO GEOMETRICO INTERSECCION LOS GALLOS DISEÑO EN PLANTA

ESCALA: 1 : 500
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FECHA: dic-2023

PLANCHA No. 01 DE 01
CONSECUTIVO: 1

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