

LEGENDA

1. UNITA' LITOLOGICO-STRATIGRAFICHE

- R** - Terreni di riporto relativi agli accumuli principali (rievati, argini, colamenti di scavi).
- a7a** - Depositi alluvionali attuali costituiti da ghiaie e sabbie presenti nell'alveo di piena e nei tratti di asta fluviale del Fiume Tanaro attivi nell'ultimo secolo.
- a6** - Depositi alluvionali medio-recenti terrazzati relativi al Fiume Tanaro ed ai corsi d'acqua secondari. Sabbie, ghiaie e limi con alta sabbia suola sviluppata con spessore fino a 2,0m. Presenza di spalmi silvici-colluviali al piede delle scarpate. (Olocene-Pleistocene sup.).
- M4** - Marne di S. Agata Fossili. Marne e marne siltose grigio-azzurre con sottili livelli di limo e sabbie fini. Locali intercalazioni di corpi arenacei e conglomeratici. Stratificazione generalmente non ben definita. (Tortoniano - Miocene Sup.).

— Limite inferiore dell'interpretazione.
— Andamento ipotizzato del limite stratigrafico.

2. INDAGINI GEOGNOSTICHE

2.1 - Sondaggi geotecnici a carotaggio continuo.

- SPD 25-** Sondaggio con piezometro multistrato a tubo aperto a misurazione manuale. Campagna Progetto Definitivo 1998.
- SPDV 25-** Sondaggio con piezometro multistrato a tubo aperto a misurazione manuale. Campagna 2001.
- S1** Campagna Progetto Esecutivo Gennaio 2009, Lotta 2-5.

2.2 - Prove Penetrometriche Dinamiche (DPSH).

- PPD 25-** Campagna Progetto Definitivo 1998.

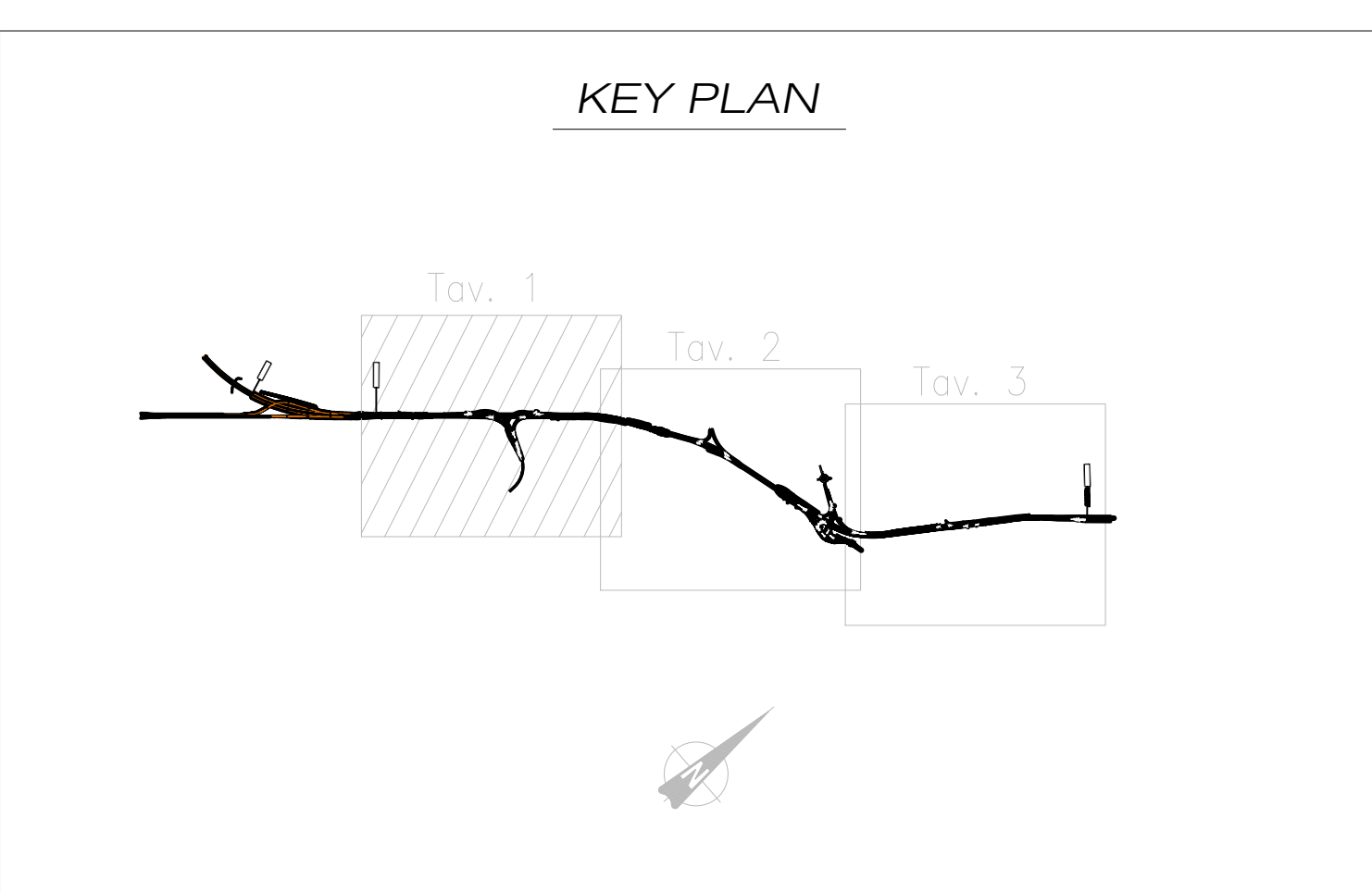
2.3 - Pozzetti geognostici.

- EPD 25-** Campagna Progetto Definitivo 1998.

Nota: Per lubicazione delle indagini si vedano le relative planimetrie.

3. CIRCOLAZIONE IDRICA SOTTERRANEA

- 1836** Saggiacenza della falda (Quote assolute)
- 1836** Andamento indicativo del livello della falda.



ADEGUAMENTO DELLA TANGENZIALE DI ALBA

PROGETTO DEFINITIVO

STUDI E INDAGINI
Geologia e Idrogeologia
Profilo geologico - Tav. 1

IMPRESA: **ITINERA** PROGETTISTA: **PROGER** INTEGRATORE ATTRAVERSO SPECIALISTE: **PROGER** COMMITTENTE: **Autostrada Asti-Cuneo S.p.A.**

REV.	DATA	DESCRIZIONE	REDATTO	CONTR.	APPROV.	RIESAME	DATA	SCALA
A	05-2021	EMISSIONE	M.Officin	P. Mazzanti	Ing. Spagnoli	Ing. Squizzato	N. PROGR.	02.01.11

COORDINATA: **PROGETTO** **IN** **DOCCIA** **REV** **03/31/2020**

RESPONSABILE DEL PROCEDIMENTO: **PROGER** VISTO DELLA COMMITTENTE: **Autostrada Asti-Cuneo S.p.A.**

Q.RIF. 90,000

Lunghezze 1: 2000

N° SEZIONI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90																																																																																																																																																																																																												
DISTANZE PROGRESSIVE	0,000	24,216	48,432	72,648	96,864	121,080	145,296	169,512	193,728	217,944	242,160	266,376	290,592	314,808	339,024	363,240	387,456	411,672	435,888	460,104	484,320	508,536	532,752	556,968	581,184	605,400	629,616	653,832	678,048	702,264	726,480	750,696	774,912	799,128	823,344	847,560	871,776	895,992	920,208	944,424	968,640	992,856	1017,072	1041,288	1065,504	1089,720	1113,936	1138,152	1162,368	1186,584	1210,800	1235,016	1259,232	1283,448	1307,664	1331,880	1356,096	1380,312	1404,528	1428,744	1452,960	1477,176	1501,392	1525,608	1549,824	1574,040	1598,256	1622,472	1646,688	1670,904	1695,120	1719,336	1743,552	1767,768	1791,984	1816,200	1840,416	1864,632	1888,848	1913,064	1937,280	1961,496	1985,712	2009,928	2034,144	2058,360	2082,576	2106,792	2131,008	2155,224	2179,440	2203,656	2227,872	2252,088	2276,304	2300,520	2324,736	2348,952	2373,168	2397,384	2421,600	2445,816	2470,032	2494,248	2518,464	2542,680	2566,896	2591,112	2615,328	2639,544	2663,760	2687,976	2712,192	2736,408	2760,624	2784,840	2809,056	2833,272	2857,488	2881,704	2905,920	2930,136	2954,352	2978,568	3002,784	3027,000	3051,216	3075,432	3100,000	3124,576	3149,152	3173,728	3198,304	3222,880	3247,456	3272,032	3296,608	3321,184	3345,760	3370,336	3394,912	3419,488	3444,064	3468,640	3493,216	3517,792	3542,368	3566,944	3591,520	3616,096	3640,672	3665,248	3689,824	3714,400	3738,976	3763,552	3788,128	3812,704	3837,280	3861,856	3886,432	3911,008	3935,584	3960,160	3984,736	4009,312	4033,888	4058,464	4083,040	4107,616	4132,192	4156,768	4181,344	4205,920	4230,496	4255,072	4279,648	4304,224	4328,800	4353,376	4377,952	4402,528	4427,104	4451,680	4476,256	4500,832	4525,408	4549,984	4574,560	4599,136	4623,712	4648,288	4672,864	4697,440	4722,016	4746,592	4771,168	4795,744	4820,320	4844,896	4869,472	4894,048	4918,624	4943,200	4967,776	4992,352	5016,928	5041,504	5066,080	5090,656	5115,232	5139,808	5164,384	5188,960	5213,536	5238,112	5262,688	5287,264	5311,840	5336,416	5360,992	5385,568	5410,144	5434,720	5459,296	5483,872	5508,448	5533,024	5557,600	5582,176	5606,752	5631,328	5655,904	5680,480	5705,056	5729,632	5754,208	5778,784	5803,360	5827,936	5852,512	5877,088	5901,664	5926,240	5950,816	5975,392	6000,000																																															
DISTANZE PARZIALI		24,216	48,432	72,648	96,864	121,080	145,296	169,512	193,728	217,944	242,160	266,376	290,592	314,808	339,024	363,240	387,456	411,672	435,888	460,104	484,320	508,536	532,752	556,968	581,184	605,400	629,616	653,832	678,048	702,264	726,480	750,696	774,912	799,128	823,344	847,560	871,776	895,992	920,208	944,424	968,640	992,856	1017,072	1041,288	1065,504	1089,720	1113,936	1138,152	1162,368	1186,584	1210,800	1235,016	1259,232	1283,448	1307,664	1331,880	1356,096	1380,312	1404,528	1428,744	1452,960	1477,176	1501,392	1525,608	1549,824	1574,040	1598,256	1622,472	1646,688	1670,904	1695,120	1719,336	1743,552	1767,768	1791,984	1816,200	1840,416	1864,632	1888,848	1913,064	1937,280	1961,496	1985,712	2009,928	2034,144	2058,360	2082,576	2106,792	2131,008	2155,224	2179,440	2203,656	2227,872	2252,088	2276,304	2300,520	2324,736	2348,952	2373,168	2397,384	2421,600	2445,816	2470,032	2494,248	2518,464	2542,680	2566,896	2591,112	2615,328	2639,544	2663,760	2687,976	2712,192	2736,408	2760,624	2784,840	2809,056	2833,272	2857,488	2881,704	2905,920	2930,136	2954,352	2978,568	3002,784	3027,000	3051,216	3075,432	3100,000	3124,576	3149,152	3173,728	3198,304	3222,880	3247,456	3272,032	3296,608	3321,184	3345,760	3370,336	3394,912	3419,488	3444,064	3468,640	3493,216	3517,792	3542,368	3566,944	3591,520	3616,096	3640,672	3665,248	3689,824	3714,400	3738,976	3763,552	3788,128	3812,704	3837,280	3861,856	3886,432	3911,008	3935,584	3960,160	3984,736	4009,312	4033,888	4058,464	4083,040	4107,616	4132,192	4156,768	4181,344	4205,920	4230,496	4255,072	4279,648	4304,224	4328,800	4353,376	4377,952	4402,528	4427,104	4451,680	4476,256	4500,832	4525,408	4549,984	4574,560	4599,136	4623,712	4648,288	4672,864	4697,440	4722,016	4746,592	4771,168	4795,744	4820,320	4844,896	4869,472	4894,048	4918,624	4943,200	4967,776	4992,352	5016,928	5041,504	5066,080	5090,656	5115,232	5139,808	5164,384	5188,960	5213,536	5238,112	5262,688	5287,264	5311,840	5336,416	5360,992	5385,568	5410,144	5434,720	5459,296	5483,872	5508,448	5533,024	5557,600	5582,176	5606,752	5631,328	5655,904	5680,480	5705,056	5729,632	5754,208	5778,784	5803,360	5827,936	5852,512	5877,088	5901,664	5926,240	5950,816	5975,392	6000,000																																															
QUOTE TERRENO	176,021	175,849	175,677	175,505	175,333	175,161	174,989	174,817	174,645	174,473	174,301	174,129	173,957	173,785	173,613	173,441	173,269	173,097	172,925	172,753	172,581	172,409	172,237	172,065	171,893	171,721	171,549	171,377	171,205	171,033	170,861	170,689	170,517	170,345	170,173	170,001	169,829	169,657	169,485	169,313	169,141	168,969	168,797	168,625	168,453	168,281	168,109	167,937	167,765	167,593	167,421	167,249	167,077	166,905	166,733	166,561	166,389	166,217	166,045	165,873	165,701	165,529	165,357	165,185	165,013	164,841	164,669	164,497	164,325	164,153	163,981	163,809	163,637	163,465	163,293	163,121	162,949	162,777	162,605	162,433	162,261	162,089	161,917	161,745	161,573	161,401	161,229	161,057	160,885	160,713	160,541	160,369	160,197	160,025	159,853	159,681	159,509	159,337	159,165	158,993	158,821	158,649	158,477	158,305	158,133	157,961	157,789	157,617	157,445	157,273	157,101	156,929	156,757	156,585	156,413	156,241	156,069	155,897	155,725	155,553	155,381	155,209	155,037	154,865	154,693	154,521	154,349	154,177	154,005	153,833	153,661	153,489	153,317	153,145	152,973	152,801	152,629	152,457	152,285	152,113	151,941	151,769	151,597	151,425	151,253	151,081	150,909	150,737	150,565	150,393	150,221	150,049	149,877	149,705	149,533	149,361	149,189	149,017	148,845	148,673	148,501	148,329	148,157	147,985	147,813	147,641	147,469	147,297	147,125	146,953	146,781	146,609	146,437	146,265	146,093	145,921	145,749	145,577	145,405	145,233	145,061	144,889	144,717	144,545	144,373	144,201	144,029	143,857	143,685	143,513	143,341	143,169	142,997	142,825	142,653	142,481	142,309	142,137	141,965	141,793	141,621	141,449	141,277	141,105	140,933	140,761	140,589	140,417	140,245	140,073	139,901	139,729	139,557	139,385	139,213	139,041	138,869	138,697	138,525	138,353	138,181	138,009	137,837	137,665	137,493	137,321	137,149	136,977	136,805	136,633	136,461	136,289	136,117	135,945	135,773	135,601	135,429	135,257	135,085	134,913	134,741	134,569	134,397	134,225	134,053	133,881	133,709	133,537	133,365	133,193	133,021	132,849	132,677	132,505	132,333	132,161	131,989	131,817	131,645	131,473	131,301	131,129	130,957	130,785	130,613	130,441	130,269	130,097	129,925	129,753	129,581	129,409	129,237	129,065	128,893	128,721	128,549	128,377	128,205	128,033	127,861	127,689	127,517	127,345	127,173	127,001	126,829	126,657	126,485	126,313	126,141	125,969	125,797	125,62