

**FASI ESECUTIVE**

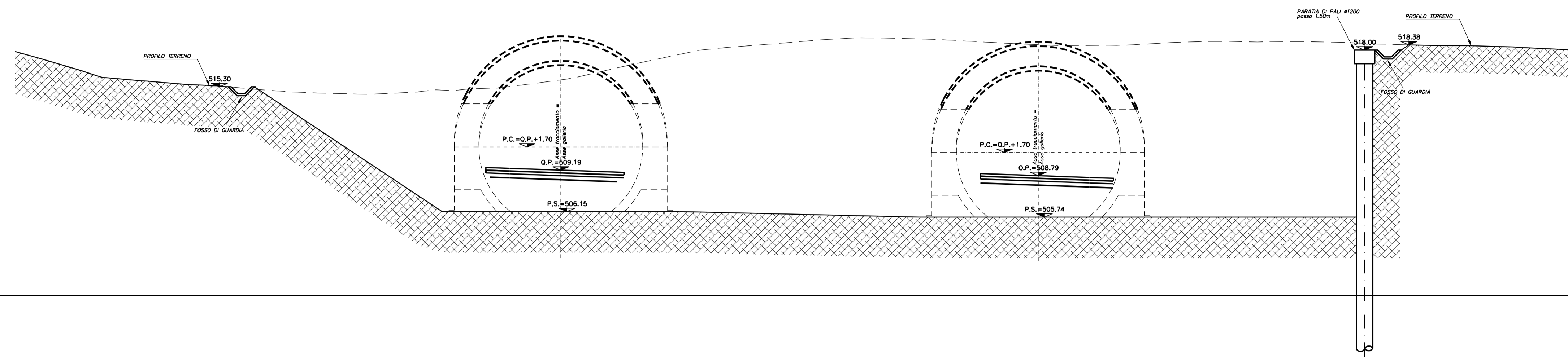
- FASE 1 - ESECUZIONE PALI
- FASE 2 - REALIZZAZIONE TRAVE DI TESTATA
- FASE 3 - SBANCAMENTO TERRENO
  - Sbancamento terreno fino a 0.50m al di sotto della quota di realizzazione della 1° fila di tiranti;
  - Immediato messo in opera di spritz-beton armato con rete elettrosaldata Sp. medio=10cm
- FASE 4 - REALIZZAZIONE 1° FILA DI TIRANTI
  - Perforazione, inserimento trefoli di armatura e cementazione.
  - Messo in opera delle travi di ripartizione.
- FASE 5 - RIPETIZIONE DELLE FASI 3/4 PER TUTTE LE FILE DI TIRANTI PREVISTI
- FASE 6 - SBANCAMENTO SINO ALLA QUOTA DI PROGETTO
  - Ripetizione delle fasi precedenti con sbancamento fino a 0.50m al di sotto della quota di realizzazione delle restanti file di tiranti.
- FASE 7 - ESECUZIONE DEI DRENAGGI
- FASE 8 - ESECUZIONE DEI CONSOLIDAMENTI AL FRONTE E AL CONTORNO SE PREVISTI
- FASE 9 - ESECUZIONE DIMA D'ATTACCO

**CARATTERISTICHE DEI MATERIALI**

- CALCESTRUZZO:**
- strutturale: Rck ≥ 30MPa
  - cls magro: Rck ≥ 15MPa
  - riempimento: Rck ≥ 15MPa
  - Classe di esposizione XC2 Norma UNI EN 206-1
- SPRITZ-BETON FIBRORINFORZATO:**
- resistenza media su carote h/φ=1 a 48 ore ≥ 15MPa
  - resistenza su carote h/φ=1 a 28 gg ≥ 30MPa
  - dosaggio in fibre ≥ 35kg/mc
  - energia assorbita ≥ 500J/m² (da prove di punzonamento eseguite su piastre in cls fibrificato)
  - FIBRE CON BASSO CONTENUTO DI CARBONIO: in filo di acciaio trafilato a freddo f<sub>yk</sub> 0.7mm e resistenza a trazione f<sub>yk</sub> ≥ 800MPa
- ACCIAI:**
- CENTINE METALLICHE: Fe 430
  - PIASTRE: Fe 430
  - CATENE: FeB 324
  - MICROPALI/ANFILAGGI: Fe510
  - ARMATURA: FeB 44k
- DRENAGGI:**
- tubi microfessurati in PVC ad alta resistenza (4.5MPa alla trazione), diametro esterno φ<sub>ed</sub> 50mm sp. 5mm, preforo φ<sub>pr</sub> 39mm rivestiti con TNT
  - i primi 10m da bocca foro dovranno essere ciechi
- PALI:**
- Di grande diametro φ91200
- TNT:**
- Strato di tessuto non tessuto di 400gr/mq a filo continuo
- IMPERMEABILIZZAZIONE IN PVC:**
- teli per impermeabilizzazione: sp. = 2±0.5mm, y ≥ 1.3g/cm²
  - Strato di tessuto non tessuto di 400gr/mq a filo continuo

**SEZIONE 1**

DIST. PROG. : 16935.00      DIST. PROG. : 16941.00



QT. RIF. 490.00

QUOTE TERRENO	517.899	517.823	516.420	516.000	515.715	515.424	515.131	514.835	514.534	514.233	513.930	513.624	513.318	513.012	512.706	512.400	512.094	511.788	511.482	511.176	510.870	510.564	510.258	509.952	509.646	509.340	509.034	508.728	508.422	508.116	507.810	507.504	507.198	506.892	506.586	506.280	505.974	505.668	505.362	505.056	504.750	504.444	504.138	503.832	503.526	503.220	502.914	502.608	502.302	501.996	501.690	501.384	501.078	500.772	500.466	500.160	499.854	499.548	499.242	498.936	498.630	498.324	498.018	497.712	497.406	497.100	496.794	496.488	496.182	495.876	495.570	495.264	494.958	494.652	494.346	494.040	493.734	493.428	493.122	492.816	492.510	492.204	491.898	491.592	491.286	490.980	490.674	490.368	490.062	489.756	489.450	489.144	488.838	488.532	488.226	487.920	487.614	487.308	487.002	486.696	486.390	486.084	485.778	485.472	485.166	484.860	484.554	484.248	483.942	483.636	483.330	483.024	482.718	482.412	482.106	481.800	481.494	481.188	480.882	480.576	480.270	479.964	479.658	479.352	479.046	478.740	478.434	478.128	477.822	477.516	477.210	476.904	476.598	476.292	475.986	475.680	475.374	475.068	474.762	474.456	474.150	473.844	473.538	473.232	472.926	472.620	472.314	472.008	471.702	471.396	471.090	470.784	470.478	470.172	469.866	469.560	469.254	468.948	468.642	468.336	468.030	467.724	467.418	467.112	466.806	466.500	466.194	465.888	465.582	465.276	464.970	464.664	464.358	464.052	463.746	463.440	463.134	462.828	462.522	462.216	461.910	461.604	461.298	460.992	460.686	460.380	460.074	459.768	459.462	459.156	458.850	458.544	458.238	457.932	457.626	457.320	457.014	456.708	456.402	456.096	455.790	455.484	455.178	454.872	454.566	454.260	453.954	453.648	453.342	453.036	452.730	452.424	452.118	451.812	451.506	451.200	450.894	450.588	450.282	449.976	449.670	449.364	449.058	448.752	448.446	448.140	447.834	447.528	447.222	446.916	446.610	446.304	446.000	445.694	445.388	445.082	444.776	444.470	444.164	443.858	443.552	443.246	442.940	442.634	442.328	442.022	441.716	441.410	441.104	440.798	440.492	440.186	439.880	439.574	439.268	438.962	438.656	438.350	438.044	437.738	437.432	437.126	436.820	436.514	436.208	435.902	435.596	435.290	434.984	434.678	434.372	434.066	433.760	433.454	433.148	432.842	432.536	432.230	431.924	431.618	431.312	431.006	430.700	430.394	430.088	429.782	429.476	429.170	428.864	428.558	428.252	427.946	427.640	427.334	427.028	426.722	426.416	426.110	425.804	425.498	425.192	424.886	424.580	424.274	423.968	423.662	423.356	423.050	422.744	422.438	422.132	421.826	421.520	421.214	420.908	420.602	420.296	419.990	419.684	419.378	419.072	418.766	418.460	418.154	417.848	417.542	417.236	416.930	416.624	416.318	416.012	415.706	415.400	415.094	414.788	414.482	414.176	413.870	413.564	413.258	412.952	412.646	412.340	412.034	411.728	411.422	411.116	410.810	410.504	410.198	409.892	409.586	409.280	408.974	408.668	408.362	408.056	407.750	407.444	407.138	406.832	406.526	406.220	405.914	405.608	405.302	405.000	404.694	404.388	404.082	403.776	403.470	403.164	402.858	402.552	402.246	401.940	401.634	401.328	401.022	400.716	400.410	400.104	399.798	399.492	399.186	398.880	398.574	398.268	397.962	397.656	397.350	397.044	396.738	396.432	396.126	395.820	395.514	395.208	394.902	394.596	394.290	393.984	393.678	393.372	393.066	392.760	392.454	392.148	391.842	391.536	391.230	390.924	390.618	390.312	390.006	389.700	389.394	389.088	388.782	388.476	388.170	387.864	387.558	387.252	386.946	386.640	386.334	386.028	385.722	385.416	385.110	384.804	384.498	384.192	383.886	383.580	383.274	382.968	382.662	382.356	382.050	381.744	381.438	381.132	380.826	380.520	380.214	379.908	379.602	379.296	378.990	378.684	378.378	378.072	377.766	377.460	377.154	376.848	376.542	376.236	375.930	375.624	375.318	375.012	374.706	374.400	374.094	373.788	373.482	373.176	372.870	372.564	372.258	371.952	371.646	371.340	371.034	370.728	370.422	370.116	369.810	369.504	369.198	368.892	368.586	368.280	367.974	367.668	367.362	367.056	366.750	366.444	366.138	365.832	365.526	365.220	364.914	364.608	364.302	364.000	363.694	363.388	363.082	362.776	362.470	362.164	361.858	361.552	361.246	360.940	360.634	360.328	360.022	359.716	359.410	359.104	358.798	358.492	358.186	357.880	357.574	357.268	356.962	356.656	356.350	356.044	355.738	355.432	355.126	354.820	354.514	354.208	353.902	353.596	353.290	352.984	352.678	352.372	352.066	351.760	351.454	351.148	350.842	350.536	350.230	349.924	349.618	349.312	349.006	348.700	348.394	348.088	347.782	347.476	347.170	346.864	346.558	346.252	345.946	345.640	345.334	345.028	344.722	344.416	344.110	343.804	343.498	343.192	342.886	342.580	342.274	341.968	341.662	341.356	341.050	340.744	340.438	340.132	339.826	339.520	339.214	338.908	338.602	338.296	337.990	337.684	337.378	337.072	336.766	336.460	336.154	335.848	335.542	335.236	334.930	334.624	334.318	334.012	333.706	333.400	333.094	332.788	332.482	332.176	331.870	331.564	331.258	330.952	330.646	330.340	330.034	329.728	329.422	329.116	328.810	328.504	328.198	327.892	327.586	327.280	326.974	326.668	326.362	326.056	325.750	325.444	325.138	324.832	324.526	324.220	323.914	323.608	323.302	323.000	322.694	322.388	322.082	321.776	321.470	321.164	320.858	320.552	320.246	319.940	319.634	319.328	319.022	318.716	318.410	318.104	317.798	317.492	317.186	316.880	316.574	316.268	315.962	315.656	315.350	315.044	314.738	314.432	314.126	313.820	313.514	313.208	312.902	312.596	312.290	311.984	311.678	311.372	311.066	310.760	310.454	310.148	309.842	309.536	309.230	308.924	308.618	308.312	308.006	307.700	307.394	307.088	306.782	306.476	306.170	305.864	305.558	305.252	304.946	304.640	304.334	304.028	303.722	303.416	303.110	302.804	302.498	302.192	301.886	301.580	301.274	300.968	300.662	300.356	300.050	299.744	299.438	299.132	298.826	298.520	298.214	297.908	297.602	297.296	296.990	296.684	296.378	296.072	295.766	295.460	295.154	294.848	294.542	294.236	293.930	293.624	293.318	293.012	292.706	292.400	292.094	291.788	291.482	291.176	290.870	290.564	290.258	289.952	289.646	289.340	289.034	288.728	288.422	288.116	287.810	287.504	287.198	286.892	286.586	286.280	285.974	285.668	285.362	285.056	284.750	284.444	284.138	283.832	283.526	283.220	282.914	282.608	282.302	282.000	281.694	281.388	281.082	280.776	280.470	280.164	279.858	279.552	279.246	278.940	278.634	278.328	278.022	277.716	277.410	277.104	276.798	276.492	276.186	275.880	275.574	275.268	274.962	274.656	274.350	274.044	273.738	273.432	273.126	272.820	272.514	272.208	271.902	271.596	271.290	270.984	270.678	270.372	270.066	269.760	269.454	269.148	268.842	268.536	268.230	267.924	267.618	267.312	267.006	266.700	266.394	266.088	265.782	265.476	265.170	264.864	264.558
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