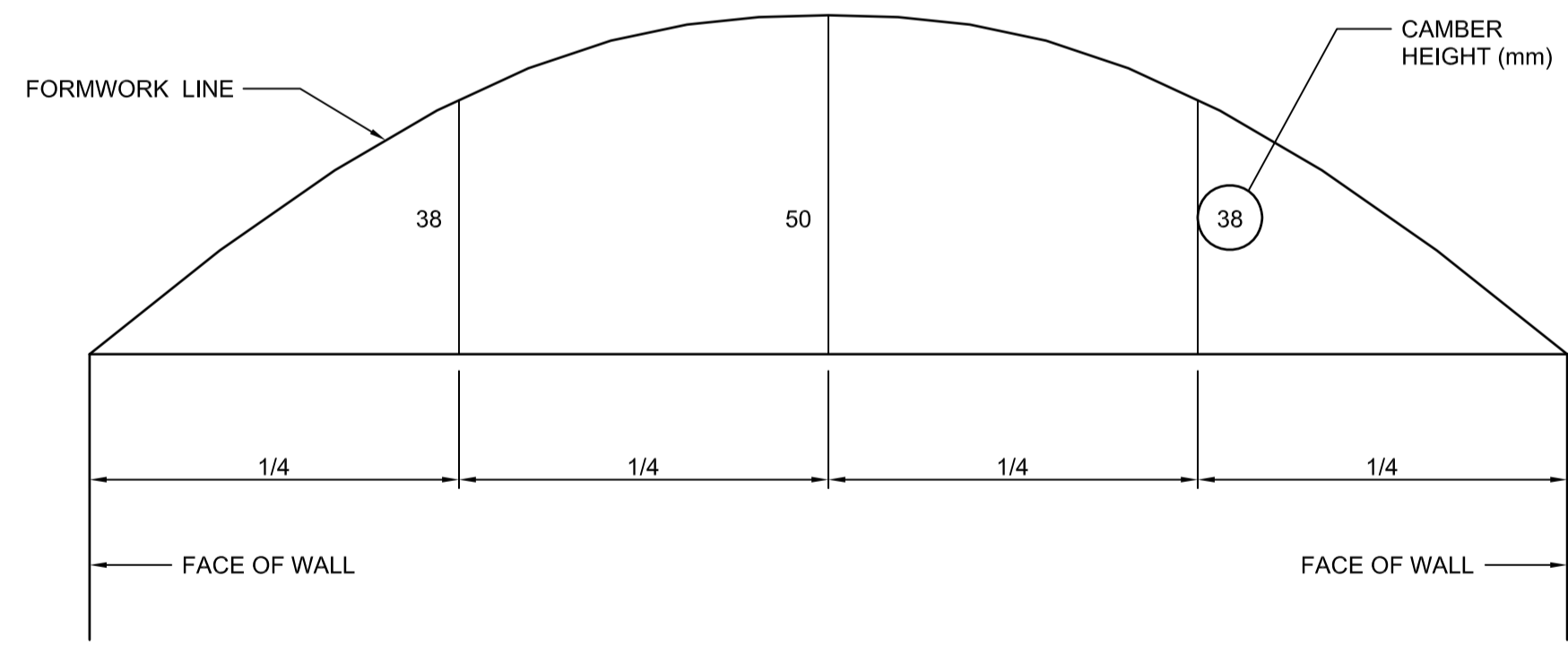


SEGMENT NO.	SEGMENT TYPE	STATION	CONTROL LINE DATA			U/S FOOTING		T.O. FOOTING		U/S SLAB ELEVATION	T.O. SLAB		WORK POINT
			EASTING	NORTHING	ELEV'N	EDGE	CENTER	EDGE	CENTER		EDGE	CENTER	
1	D	11+780	633518.657	5525829.736	226.549	225.149	224.949	225.849	225.949	231.749	232.499	232.499	W.P. 5
		11+785	633518.350	5525834.727	226.378	224.978	224.778	225.678	225.778	231.578	232.328	232.328	
		11+790	633518.043	5525839.717	226.217	224.817	224.617	225.517	225.617	231.417	232.167	232.167	
2	C	11+790	633518.043	5525839.717	226.217	224.717	224.517	225.517	225.617	231.417	232.417	232.417	
		11+795	633517.736	5525844.708	226.066	224.566	224.366	225.366	225.466	231.266	232.266	232.266	
		11+800	633517.429	5525849.699	225.925	224.425	224.225	225.225	225.325	231.125	232.125	232.125	
3	C	11+800	633517.429	5525849.699	225.925	224.425	224.225	225.225	225.325	231.125	232.125	232.125	
		11+805	633517.122	5525854.689	225.794	224.294	224.094	225.094	225.194	230.994	231.994	231.994	
		11+810	633516.815	5525859.680	225.673	224.173	223.973	224.973	225.073	230.873	231.873	231.873	
4	B	11+810	633516.815	5525859.680	225.673	224.073	223.773	224.973	225.073	230.873	231.973	232.373	
		11+815	633516.508	5525864.670	225.562	223.962	223.662	224.862	224.962	230.762	231.862	232.262	
		11+820	633516.201	5525869.661	225.461	223.861	223.561	224.761	224.861	230.661	231.761	232.161	
5	B	11+820	633516.201	5525869.661	225.461	223.861	223.561	224.761	224.861	230.661	231.761	232.161	
		11+825	633515.894	5525874.651	225.370	223.770	223.470	224.670	224.770	230.570	231.670	232.070	
		11+830	633515.587	5525879.642	225.289	223.689	223.389	224.589	224.689	230.489	231.589	231.989	
6	A	11+830	633515.587	5525879.642	225.289	223.689	223.389	224.589	224.689	230.489	231.589	231.989	
		11+835	633515.280	5525884.633	225.218	223.618	223.318	224.518	224.618	230.418	231.518	231.918	
		11+840	633514.973	5525889.623	225.157	223.557	223.257	224.457	224.557	230.357	231.457	231.857	
7	A	11+840	633514.973	5525889.623	225.157	223.557	223.257	224.457	224.557	230.357	231.457	231.857	
		11+845	633514.666	5525894.614	225.106	223.506	223.206	224.406	224.506	230.306	231.406	231.806	
		11+850	633514.359	5525899.604	225.065	223.465	223.165	224.365	224.465	230.265	231.365	231.765	
8	A	11+850	633514.359	5525899.604	225.065	223.465	223.165	224.365	224.465	230.265	231.365	231.765	
		11+855	633514.052	5525904.595	225.034	223.434	223.134	224.334	224.434	230.234	231.334	231.734	
		11+860	633513.745	5525909.585	225.013	223.413	223.113	224.313	224.413	230.213	231.313	231.713	
9 + 10	E	11+860	633513.745	5525909.585	225.013	223.413	223.113	224.313	224.413	230.213	231.313	231.713	W.P. 11
		11+865	633513.438	5525914.576	225.002	223.402	223.102	224.302	224.402	230.202	231.302	231.702	W.P. 10
		11+870	633513.131	5525919.566	225.001	223.401	223.101	224.301	224.401	230.201	231.301	231.701	
		11+875	633512.824	5525924.557	225.010	223.410	223.110	224.310	224.410	230.210	231.310	231.710	
		11+880	633512.517	5525929.548	225.029	223.429	223.129	224.329	224.429	230.229	231.329	231.729	
		11+885	633512.210	5525934.538	225.058	223.458	223.158	224.358	224.458	230.258	231.358	231.758	
		11+890	633511.903	5525939.529	225.097	223.497	223.197	224.397	224.497	230.297	231.397	231.797	
		11+895	633511.596	5525944.519	225.146	223.546	223.246	224.446	224.546	230.346	231.446	231.846	
		11+900	633511.289	5525949.510	225.205	223.605	223.305	224.505	224.605	230.405	231.505	231.905	
		11+905	633510.988	5525954.501	225.274	223.674	223.374	224.574	224.674	230.474	231.574	231.974	
11	A	11+905	633510.988	5525954.501	225.274	223.674	223.374	224.574	224.674	230.474	231.574	231.974	
		11+910	633510.701	5525959.493	225.353	223.753	223.453	224.653	224.753	230.553	231.653	232.053	
		11+915	633510.436	5525964.486	225.442	223.842	223.542	224.742	224.842	230.642	231.742	232.142	
12	A	11+915	633510.436	5525964.486	225.442	223.842	223.542	224.742	224.842	230.642	231.742	232.142	
		11+920	633510.201	5525969.480	225.541	223.941	223.641	224.841	224.941	230.741	231.841	232.241	
		11+925	633510.006	5525974.476	225.650	224.050	223.750	224.950	225.050	230.850	231.950	232.350	
13	B	11+925	633510.006	5525974.476	225.650	224.050	223.750	224.950	225.050	230.850	231.950	232.350	
		11+930	633509.857	5525979.474	225.769	224.169	223.869	225.069	225.169	230.969	232.069	232.469	
		11+935	633509.764	5525984.473	225.898	224.298	223.998	225.198	225.298	231.098	232.198	232.598	
14	B	11+935	633509.764	5525984.473	225.898	224.298	223.998	225.198	225.298	231.098	232.198	232.598	
		11+940	633509.735	5525989.473	226.037	224.437	224.137	225.337	225.437	231.237	232.337	232.737	
		11+945	633509.735	5525989.473	226.037	224.437	224.137	225.337	225.437	231.237	232.337	232.737	
15	B	11+945	633509.735	5525989.473	226.037	224.437	224.137	225.337	225.437	231.237	232.337	232.737	
		11+950	633509.778	5525994.473	226.186	224.586	224.286	225.486	225.586	231.386	232.486	232.886	
		11+955	633509.901	5525999.471	226.345	224.745	224.445	225.645	225.745	231.545	232.645	233.045	
16	C	11+955	633509.901	5525999.471	226.345	224.745	224.445	225.645	225.745	231.545	232.645	233.045	
		11+960	633510.107	5526004.466	226.514	225.014	224.814	225.814	225.914	231.714	232.814	233.214	
		11+965	633510.396	5526009.458	226.693	225.193	224.993	225.993	226.093	231.893	232.993	233.393	
17	D	11+965	633510.396	5526009.458	226.693	225.193	224.993	225.993	226.093	231.893	232.993	233.393	
		11+970	633510.769	5526014.444	226.882	225.482	225.282	226.282	226.382	232.082	233.182	233.582	
		11+975	633511.225	5526019.423	227.080	225.680	225.480	226.480	226.580	232.280	233.380	233.780	

POINT NO.	STATION	OFFSET	GRID COORDINATES			REMARKS
			NORTHING	EASTING	ELEV'N	
W.P. 1	11+970.000		5526019.423	633511.225	227.080	NORTH PORTAL AT CONTROL LINE
W.P. 2	11+970.000	5.450	5526018.890	633516.644	233.130	NORTH PORTAL AT FACE OF NE WALL
W.P. 3	11+970.000	-5.450	5526019.956	633505.805	233.413	NORTH PORTAL AT FACE OF NW WALL
W.P. 4	11+780.000		5525829.736	633518.657	226.549	SOUTH PORTAL AT CONTROL LINE
W.P. 5	11+780.000	-5.450	5525829.398	633513.219	232.900	SOUTH PORTAL AT FACE OF SW WALL
W.P. 6	11+780.000	5.450	5525830.067	633524.096	232.900	SOUTH PORTAL AT FACE OF SE WALL
W.P. 7	12+022.767	-5.450	5526072.671	633515.807	233.172	NW WALL ALIGNMENT CHANGE
W.P. 8	12+035.000	-5.700	5526084.663	633519.197	233.117	NW WALL TYPE CHANGE
W.P. 9	11+900.000		5525949.510	633511.289	225.205	CONTROL LINE
W.P. 10	11+880.000		5525929.548	633512.517	225.029	CONTROL LINE
W.P. 11	11+860.000		5525909.585	633513.745	225.013	CONTROL LINE
W.P. 12A	12+037.974	-5.840	5526087.583	633520.022	233.103	NW WALL ALIGNMENT CHANGE
W.P. 12B					234.303	
W.P. 13	12+050.836	-21.280	5526105.420	633510.046	234.303	NW WALL ALIGNMENT CHANGE
W.P. 14	12+050.418	-26.240	5526106.775	633505.252	234.303	END OF NW WALL
W.P. 15	12+000.000	5.450	5526048.005	633521.033	233.130	NE WALL ELEVATION POINT
W.P. 16	12+035.000	5.450	5526081.213	633529.795	232.360	NE WALL TYPE CHANGE
W.P. 17	12+065.000	5.450	5526108.874	633540.225	231.700	END OF NE WALL
W.P. 18	11+725.000	-6.720	5525774.422	633515.332	230.446	SW WALL TYPE CHANGE
W.P. 19	11+715.000	-7.000	5525764.424	633515.662	230.000	END OF SW WALL
W.P. 20	11+725.000	5.450	5525775.171	633527.474	230.446	SE WALL TYPE CHANGE
W.P. 21	11+715.000	5.450	5525765.191	633528.088	230.000	END OF SE WALL
W.P. 22	11+769.328	-5.450	5525818.746	633513.874	232.424	SW WALL ALIGNMENT CHANGE

- NOTES:
- TUNNEL IS DIVIDED INTO 10 m SEGMENTS FOR DETAILING CONVENIENCE ONLY. MULTIPLE SEGMENTS MAY BE POURED SIMULTANEOUSLY TO REDUCE THE NUMBER OF JOINTS REQUIRED. STAGGERING OF JOINTS BETWEEN FOUNDATION, WALLS AND ROOF SLAB IS ENCOURAGED WHEREVER POSSIBLE.
 - MAXIMUM POUR LENGTH 30m.
 - COORDINATE WALL JOINT LOCATIONS WITH TILE JOINTS.
 - SUBMIT PROPOSED POUR SEQUENCE AND JOINT LAYOUT (INCLUDING TILES) TO THE CONTRACT ADMINISTRATOR FOR REVIEW.
 - CAMBER ROOF SLAB FORMWORK AS SHOWN.



ROOF SLAB - CAMBER PROFILE
SCALE N.T.S.

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LOCATION UNDERGROUND APPROVED STRUCTURES
DERRICK SAEDAL NOV 4, 2009
SUPV. U/G STRUCTURES COMMITTEE DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE