



REPUBLIC OF KENYA



Kenya Rural Roads Authority

**IMPLEMENTATION OF AFD/EU/GOK ROADS 2000 CLIMATE PROOFED ARID AND SEMI-ARID (ASAL)
RURAL ROADS PROGRAMME
AREA 2 (ISIOLO, MARSABIT AND SAMBURU COUNTIES)-BATCH 2**

**LOW VOLUME SEALING AND PERFORMANCE BASED ROUTINE MAINTENANCE WORKS OF
SOLOLO – ANONA – GOLOLE – URAN (D1138-04C) ROAD - 4.8 KM**

TENDER NO: AFD/EU/MA/LVS/04C/9/2024-25

BOOK OF DRAWINGS

APRIL 2025

DIRECTOR (PLANNING, DESIGN & ENVIRONMENT)

KENYA RURAL ROADS AUTHORITY

P.O. BOX 48151-00100

NAIROBI

DIRECTOR GENERAL

KENYA RURAL ROADS AUTHORITY

P.O. BOX 48151-00100

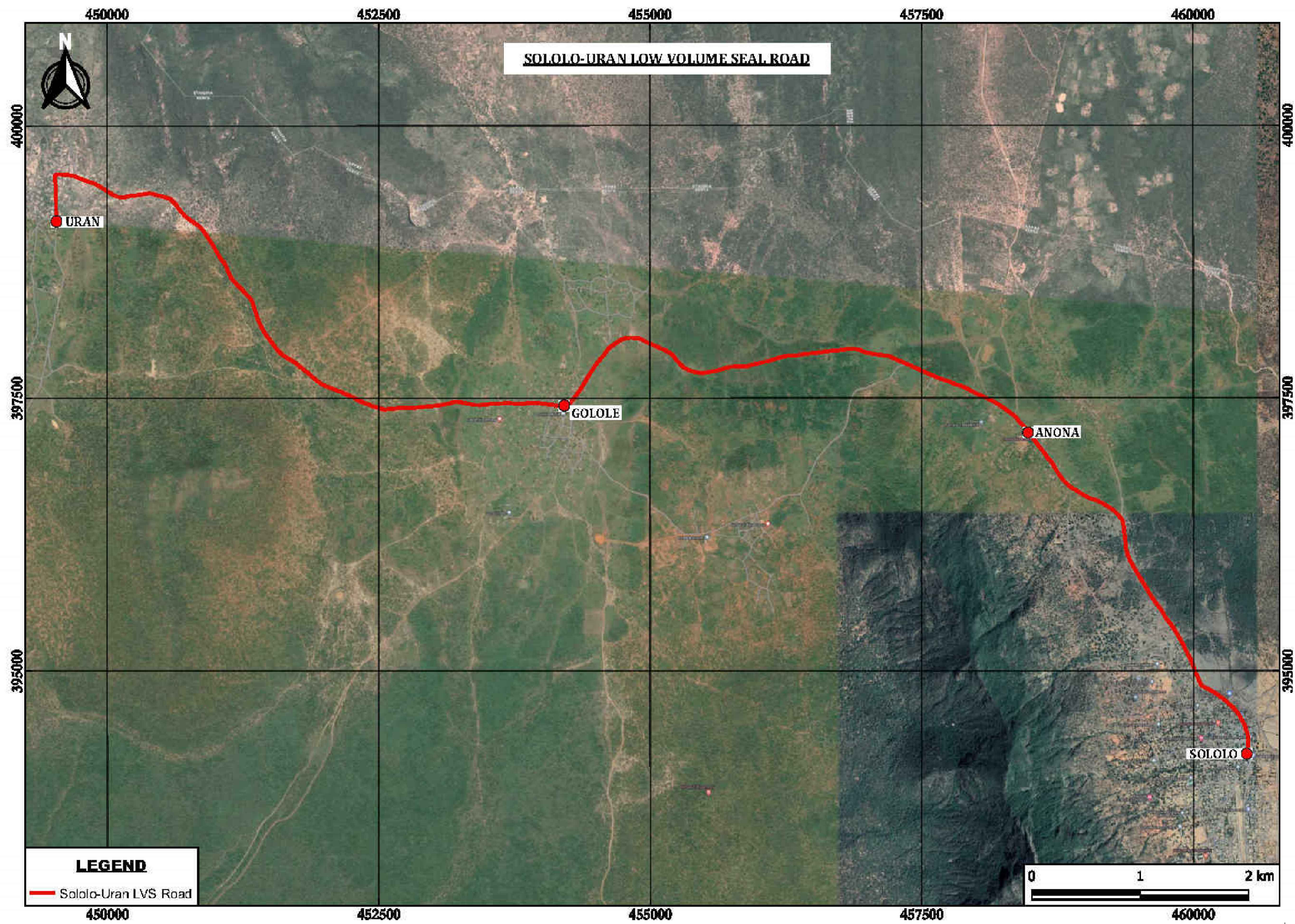
NAIROBI

CLIMATE PROOFED RURAL ROADS IN ARID AND SEMI-ARID LANDS (ASAL) PROGRAMME
SOLOLO TOWN-URAN CENTRE-A2 JUNCTION ROAD

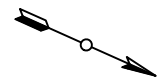
DRAWING No.	TITLE
01	GENERAL DRAWINGS
R2000-SUA2-RD/GEN/01	DRAWING INDEX
R2000-SUA2-RD/GEN/02	PROJECT LOCATION MAP
02	PLAN AND PROFILE DRAWING
	SOLOLO TOWN-URAN-A2 JUNCTION ROAD
R2000-SUA2-RD/PP/001	PLAN AND PROFILE - Km 0+000 - Km 1+400
R2000-SUA2-RD/PP/002	PLAN AND PROFILE - Km 1+400 - Km 2+800
R2000-SUA2-RD/PP/003	PLAN AND PROFILE - Km 2+800- Km 4+200
R2000-SUA2-RD/PP/004	PLAN AND PROFILE - Km 4+200 - Km 5+600
R2000-SUA2-RD/PP/005	PLAN AND PROFILE - Km 5+600 - Km 7+000
R2000-SUA2-RD/PP/006	PLAN AND PROFILE - Km 7+000 - Km 8+400
R2000-SUA2-RD/PP/007	PLAN AND PROFILE - Km 8+400 - Km 9+800
R2000-SUA2-RD/PP/008	PLAN AND PROFILE - Km 9+800 - Km 11+200
R2000-SUA2-RD/PP/009	PLAN AND PROFILE - Km 11+200 - Km 12+600
R2000-SUA2-RD/PP/010	PLAN AND PROFILE - Km 12+600 - Km 14+000
R2000-SUA2-RD/PP/011	PLAN AND PROFILE - Km 14+000 - Km 14+837
03	TYPICAL CROSS-SECTION & PAVEMENT DETAILS
R2000-SUA2-RD/TC/001	SOLOLO-URAN-A2 JUNCTION
R2000-SUA2-RD/TC/002	SOLOLO-URAN-A2 JUNCTION
04	TYPICAL CULVERT DETAILS
R2000-SUA2-RD/CPC/001	1 CELL 600mm DIA. PIPE CULVERT DETAILS
R2000-SUA2-RD/CPC/002	1 CELL 900mm DIA. PIPE CULVERT DETAILS
R2000-SUA2-RD/CPC/003	2 CELL 900mm DIA. PIPE CULVERT DETAILS
R2000-SUA2-RD/CPC/004	3 CELL 900mm DIA. PIPE CULVERT DETAILS
05	MAJOR STRUCTURES
R2000-SUA2-RD/CBC/001	1 CELL 5.0x1.2 BOX CULVERTS PLAN DETAILS KM 0+460
R2000-SUA2-RD/CBC/002	1 CELL 5.0x1.2 BOX CULVERTS REINFORCEMENT DETAILS KM 0+460
R2000-SUA2-RD/CPC/001	2 CELL 1200mm DIA. PIPE CULVERT DETAILS KM 0+765
R2000-SUA2-RD/CBC/001	1 CELL 2.0x1.2 BOX CULVERTS PLAN DETAILS KM 1+100
R2000-SUA2-RD/CBC/002	1 CELL 2.0x1.2 BOX CULVERTS REINFORCEMENT DETAILS KM 1+100
R2000-SUA2-RD/DRT/001	TYPICAL NON-VENTED DRIFT
R2000-SUA2-RD/DRT/002	TYPICAL NON-VENTED DRIFT
R2000-SUA2-RD/CPMT/001	CONCRETE PAVEMENT ON LOW LYING AREAS
R2000-SUA2-RD/CBC/001	1 CELL 4.0x1.5 BOX CULVERTS PLAN DETAILS KM 12+000
R2000-SUA2-RD/CBC/002	1 CELL 4.0x1.5 BOX CULVERTS REINFORCEMENT DETAILS KM 12+000
R2000-SUA2-RD/CBC/001	1 CELL 4.0x1.5 BOX CULVERTS PLAN DETAILS KM 12+650
R2000-SUA2-RD/CBC/002	1 CELL 4.0x1.5 BOX CULVERTS REINFORCEMENT DETAILS KM 12+650

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LOCATION MAP

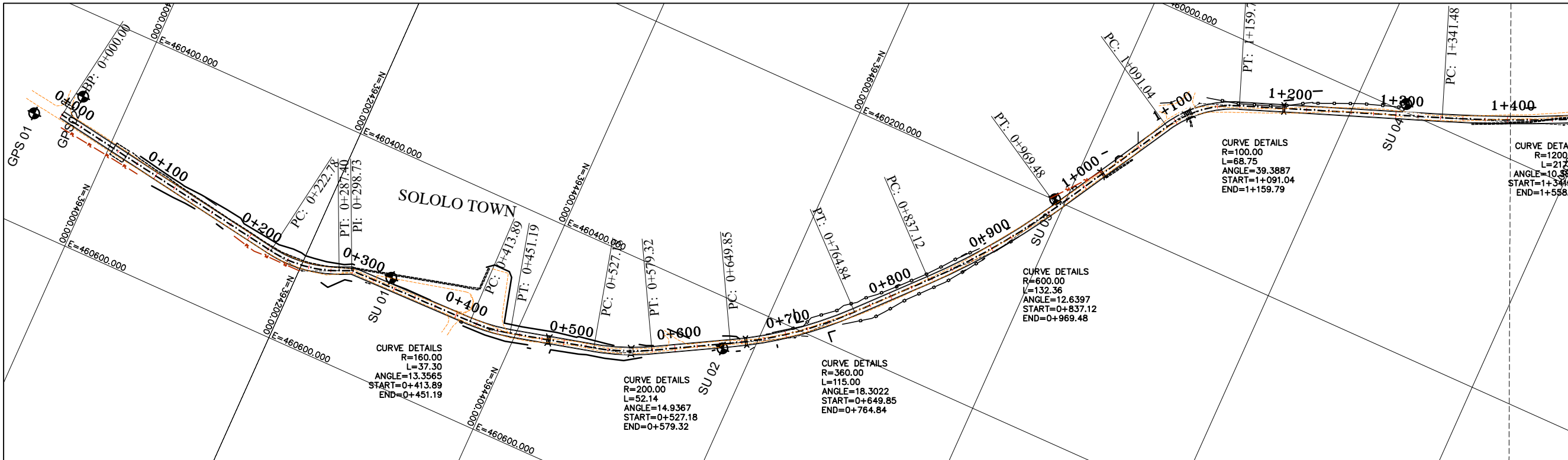


PLAN AND PROFILE DRAWINGS



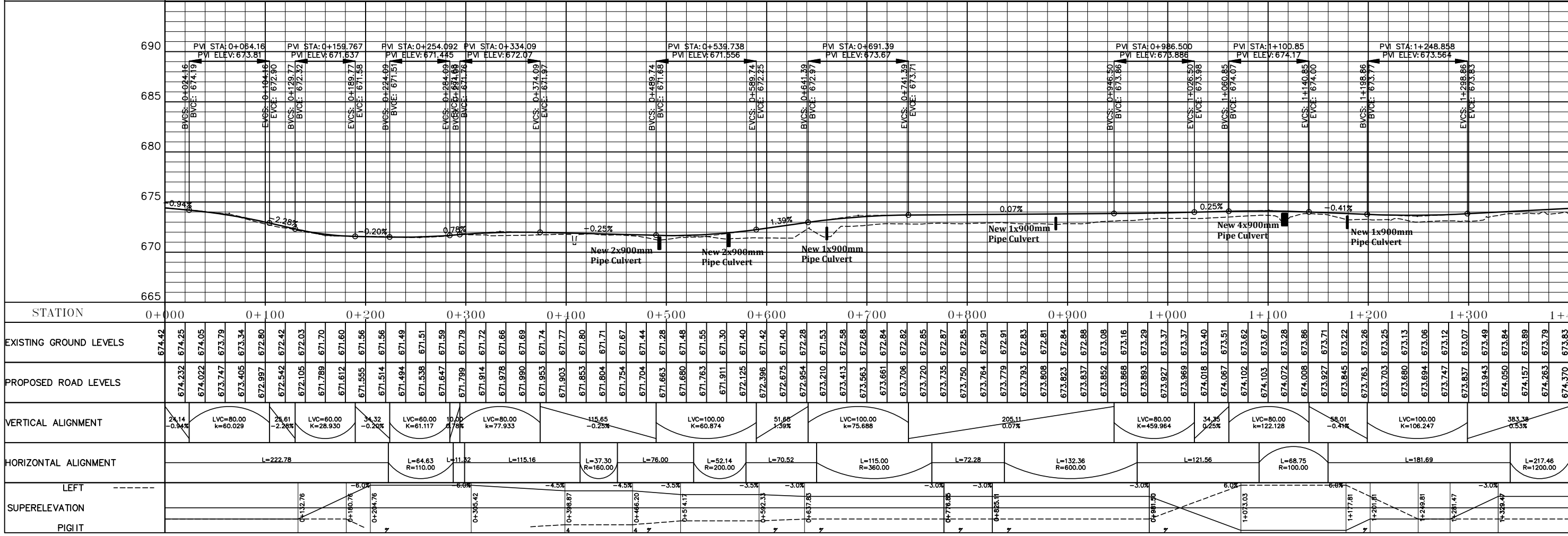
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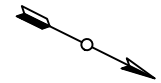
- PIPE CULVERT
- BOX CULVERT
- BRIDGE
- DESIGNED ROAD CENTERLINE
- DESIGNED ROAD EDGE
- EXISTING ROAD EDGE
- CUT SECTION
- CONSTRUCTION EDGE
- FILL SECTION
- DRAIN
- FENCE
- BUILDING LINE
- POWER LINE
- SURVEY CONTROL POINT



MISCELLANEOUS DETAILS

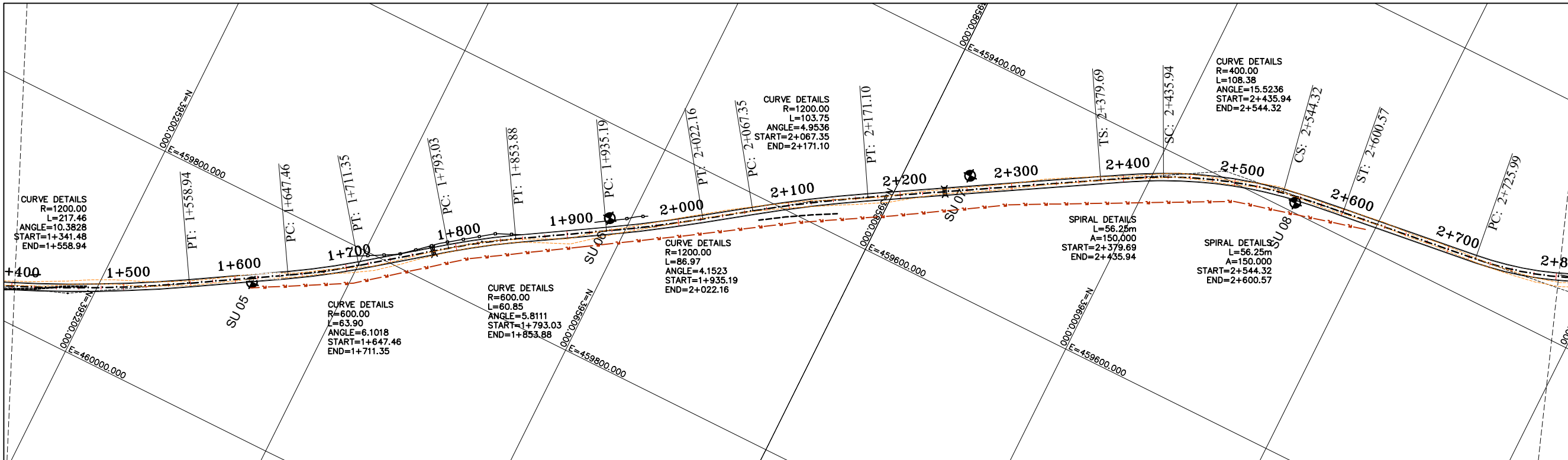
DESIGN SPEED 50 KPH





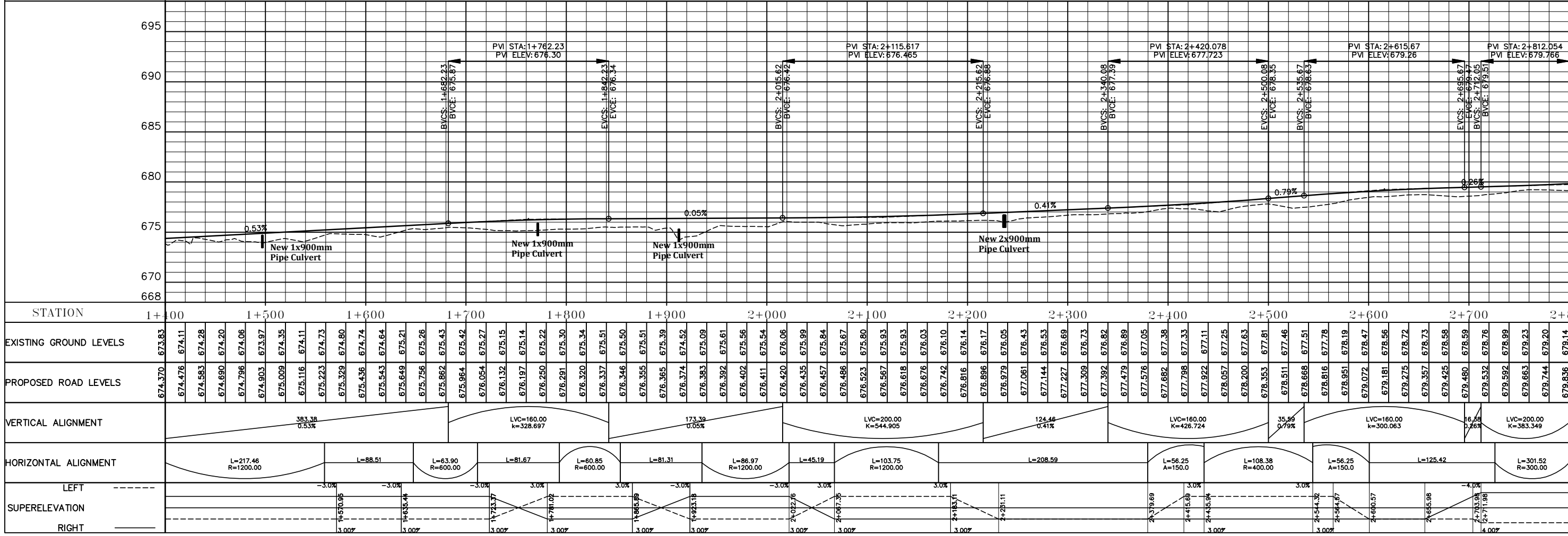
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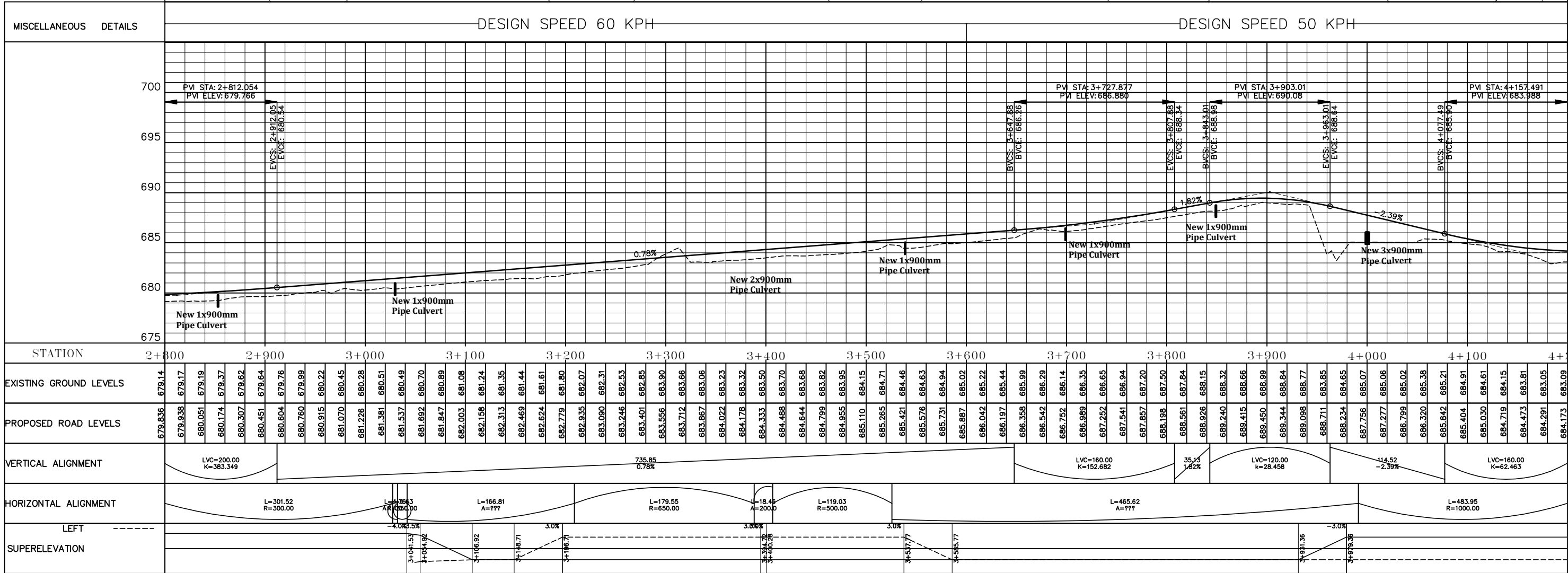
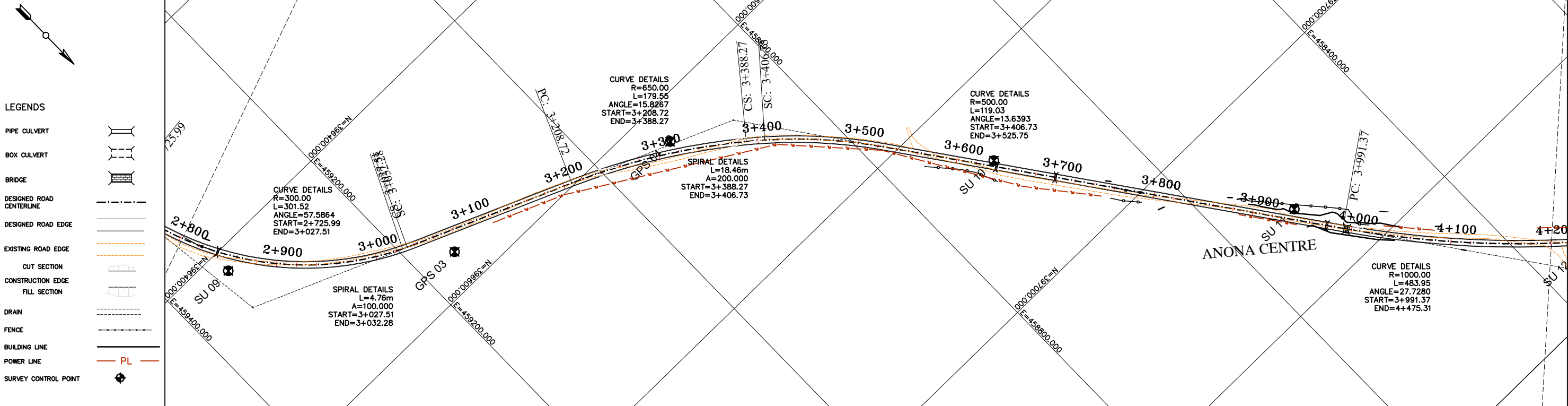
- PIPE CULVERT
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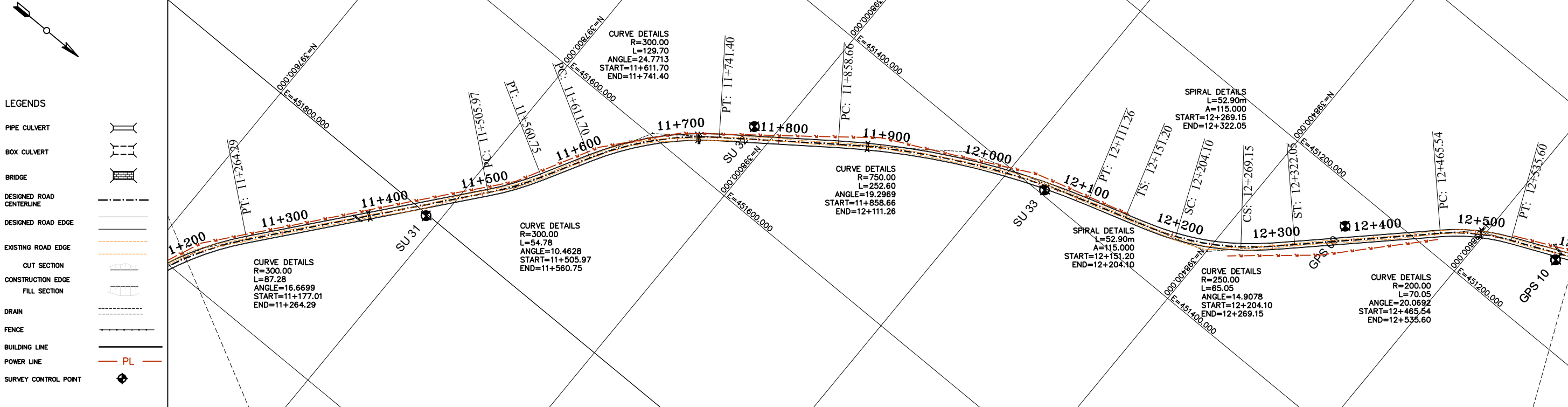


MISCELLANEOUS DETAILS

DESIGN SPEED 60 KPH

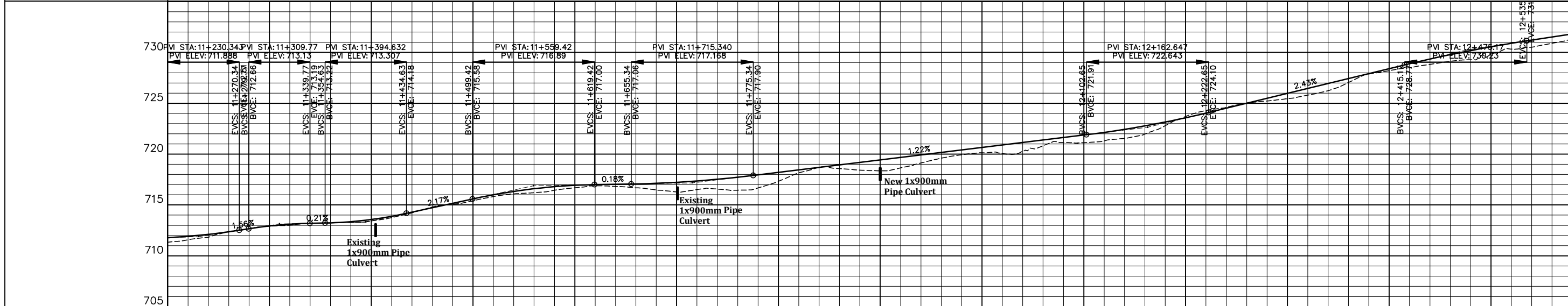




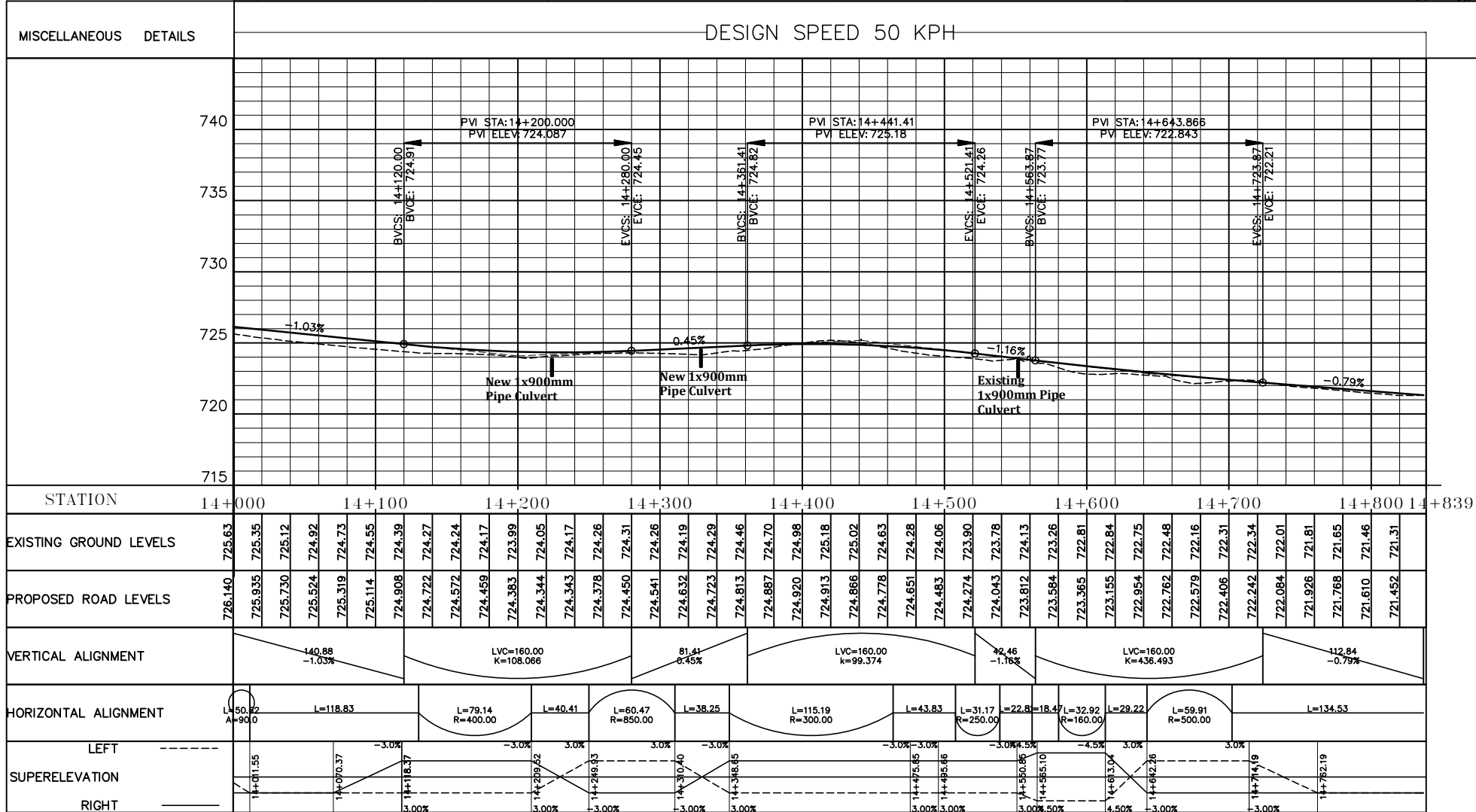
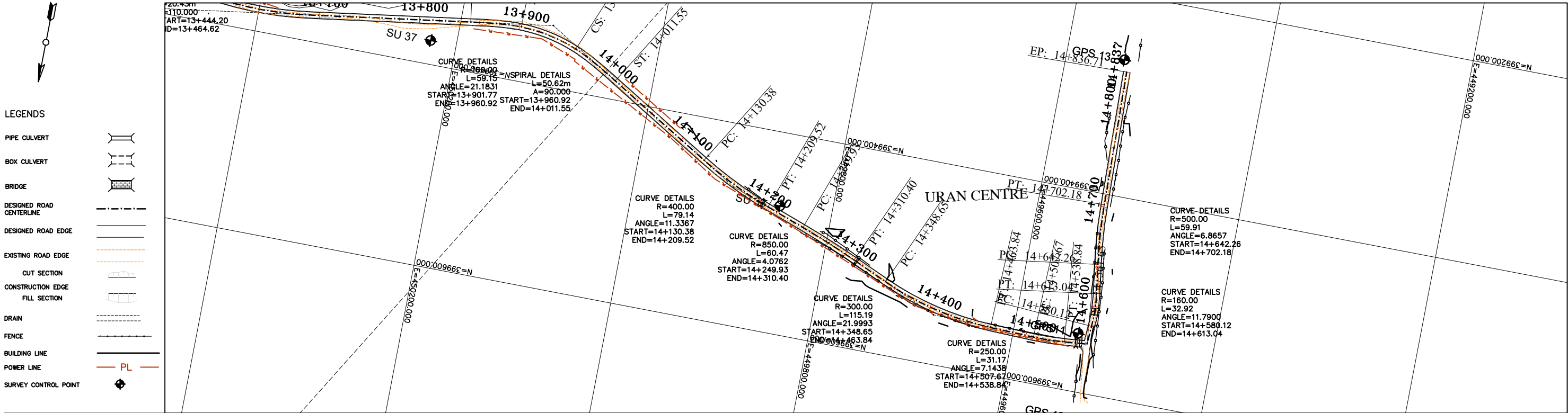


MISCELLANEOUS DETAILS

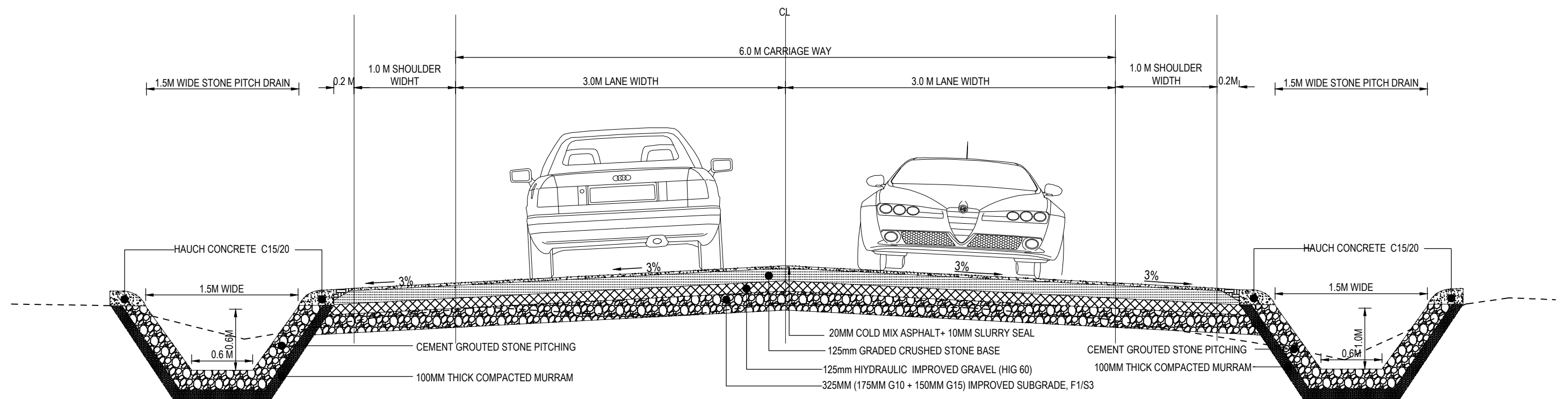
DESIGN SPEED 60 KPH



STATION	11+200	11+300	11+400	11+500	11+600	11+700	11+800	11+900	12+000	12+100	12+200	12+300	12+400	12+500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
EXISTING GROUND LEVELS	711.34	711.57	711.82	712.37	712.66	712.91	713.02	713.19	713.24	713.28	713.43	713.75	714.23	714.80	715.08	715.41	715.82	716.09	716.21	716.44	716.69	716.88	716.82	716.68	717.00	717.34	717.90	718.20	718.58	718.93	720.13	720.06	720.31	720.82	721.13	721.13	721.29	721.54	721.97	722.79	723.70	724.28	724.59	725.03	725.23	725.45	725.80	726.24	727.04	727.87	728.20	728.49	728.82	729.13	729.28	729.84	730.33	730.52	730.90	731.70																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
PROPOSED ROAD LEVELS	711.781	711.914	712.107	712.359	712.664	712.930	713.106	713.192	713.238	713.355	713.571	713.885	714.293	714.728	715.162	715.597	715.997	716.330	716.596	716.796	716.930	716.997	717.033	717.070	717.131	717.227	717.358	717.524	717.725	717.959	718.204	718.449	718.694	718.70	718.939	719.184	719.428	719.673	719.918	720.163	720.408	720.652	720.897	721.142	721.387	721.632	721.876	722.136	722.436	722.776	723.155	723.575	724.035	724.520	725.005	725.490	725.975	726.461	726.946	727.431	727.916	728.401	728.886	729.371	729.856	730.341	730.826	731.311	731.796	732.281	732.766	733.251	733.736	734.221	734.706	735.191	735.676	736.161	736.646	737.131	737.616	738.101	738.586	739.071	739.556	740.041	740.526	741.011	741.496	741.981	742.466	742.951	743.436	743.921	744.406	744.891	745.376	745.861	746.346	746.831	747.316	747.801	748.286	748.771	749.256	749.741	750.226	750.711	751.196	751.681	752.166	752.651	753.136	753.621	754.106	754.591	755.076	755.561	756.046	756.531	757.016	757.501	757.986	758.471	758.956	759.441	759.926	760.411	760.896	761.381	761.866	762.351	762.836	763.321	763.806	764.291	764.776	765.261	765.746	766.231	766.716	767.201	767.686	768.171	768.656	769.141	769.626	770.111	770.596	771.081	771.566	772.051	772.536	773.021	773.506	773.991	774.476	774.961	775.446	775.931	776.416	776.901	777.386	777.871	778.356	778.841	779.326	779.811	780.296	780.781	781.266	781.751	782.236	782.721	783.206	783.691	784.176	784.661	785.146	785.631	786.116	786.601	787.086	787.571	788.056	788.541	789.026	789.511	790.000	790.485	790.970	791.455	791.940	792.425	792.910	793.395	793.880	794.365	794.850	795.335	795.820	796.305	796.790	797.275	797.760	798.245	798.730	799.215	799.700	800.185	800.670	801.155	801.640	802.125	802.610	803.095	803.580	804.065	804.550	805.035	805.520	806.005	806.490	806.975	807.460	807.945	808.430	808.915	809.400	809.885	810.370	810.855	811.340	811.825	812.310	812.795	813.280	813.765	814.250	814.735	815.220	815.705	816.190	816.675	817.160	817.645	818.130	818.615	819.100	819.585	820.070	820.555	821.040	821.525	822.010	822.495	822.980	823.465	823.950	824.435	824.920	825.405	825.890	826.375	826.860	827.345	827.830	828.315	828.800	829.285	829.770	830.255	830.740	831.225	831.710	832.195	832.680	833.165	833.650	834.135	834.620	835.105	835.590	836.075	836.560	837.045	837.530	838.015	838.500	838.985	839.470	839.955	840.440	840.925	841.410	841.895	842.380	842.865	843.350	843.835	844.320	844.805	845.290	845.775	846.260	846.745	847.230	847.715	848.200	848.685	849.170	849.655	850.140	850.625	851.110	851.595	852.080	852.565	853.050	853.535	854.020	854.505	854.990	855.475	855.960	856.445	856.930	857.415	857.900	858.385	858.870	859.355	859.840	860.325	860.810	861.295	861.780	862.265	862.750	863.235	863.720	864.205	864.690	865.175	865.660	866.145	866.630	867.115	867.600	868.085	868.570	869.055	869.540	870.025	870.510	870.995	871.480	871.965	872.450	872.935	873.420	873.905	874.390	874.875	875.360	875.845	876.330	876.815	877.300	877.785	878.270	878.755	879.240	879.725	880.210	880.695	881.180	881.665	882.150	882.635	883.120	883.605	884.090	884.575	885.060	885.545	886.030	886.515	887.000	887.485	887.970	888.455	888.940	889.425	889.910	890.395	890.880	891.365	891.850	892.335	892.820	893.305	893.790	894.275	894.760	895.245	895.730	896.215	896.700	897.185	897.670	898.155	898.640	899.125	899.610	900.095	900.580	901.065	901.550	902.035	902.520	903.005	903.490	903.975	904.460	904.945	905.430	905.915	906.400	906.885	907.370	907.855	908.340	908.825	909.310	909.795	910.280	910.765	911.250	911.735	912.220	912.705	913.190	913.675	914.160	914.645	915.130	915.615	916.100	916.585	917.070	917.555	918.040	918.525	919.010	919.495	919.980	920.465	920.950	921.435	921.920	922.405	922.890	923.375	923.860	924.345	924.830	925.315	925.800	926.285	926.770	927.255	927.740	928.225	928.710	929.195	929.680	930.165	930.650	931.135	931.620	932.105	932.590	933.075	933.560	934.045	934.530	935.015	935.500	935.985	936.470	936.955	937.440	937.925	938.410	938.895	939.380	939.865	940.350	940.835	941.320	941.805	942.290	942.775	943.260	943.745	944.230	944.715	945.200	945.685	946.170	946.655	947.140	947.625	948.110	948.595	949.080	949.565	950.050	950.535	951.020	951.505	951.990	952.475	952.960	953.445	953.930	954.415	954.900	955.385	955.870	956.355	956.840	957.325	957.810	958.295	958.780	959.265	959.750	960.235	960.720	961.205	961.690	962.175	962.660	963.145	963.630	964.115	964.600	965.085	965.570	966.055	966.540	967.025	967.510	967.995	968.480	968.965	969.450	969.935	970.420	970.905	971.390	971.875	972.360	972.845	973.330	973.815	974.300	974.785	975.270	975.755	976.240	976.725	977.210	977.695	978.180	978.665	979.150	979.635	980.120	980.605	981.090	981.575	982.060	982.545	983.030	983.515	984.000	984.485	984.970	985.455	985.940	986.425	986.910	987.395	987.880	988.365	988.850	989.335	989.820	990.305	990.790	991.275	991.760	992.245	992.730	993.215	993.700	994.185	994.670	995.155	995.640	996.125	996.610	997.095	997.580	998.065	998.550	999.035	999.520	1000.005	1000.490	1000.975	1001.460	1001.945	1002.430	1002.915	1003.400	1003.885	1004.370	1004.855	1005.340	1005.825	1006.310	1006.795	1007.280	1007.765	1008.250	1008.735	1009.220	1009.705	1010.190	1010.675	1011.160	1011.645	1012.130	1012.615	1013.100	1013.585	1014.070	1014.555	1015.040	1015.525	1016.010	1016.495	1016.980	1017.465	1017.950	1018.435	1018.920	1019.405	1019.890	1020.375	1020.860	1021.345	1021.830	1022.315	1022.800	1023.285	1023.770	1024.255	1024.740	1025.225	1025.710	1026.195	1026.680	1027.165	1027.650	1028.135	1028.620	1029.105	1029.590	1030.075	1030.560	1031.045	1031.530	1032.015	1032.500	1032.985	1033.470	1033.955	1034.440	1034.925	1035.410	1035.895	1036.380	1036.865	1037.350	1037.835	1038.320	1038.805	1039.290	1039.775	1040.260	1040.745	1041.230	1041.715	1042.200	1042.685	1043.170	1043.655	1044.140	1044.625	1045.110	1045.595	1046.080	1046.565	1047.050	1047.535	1048.020	1048.505	1048.990	1049.475	1049.960	1050.445	1050.930	1051.415	1051.900	1052.385	1052.870	1053.355	1053.840	1054.325	1054.810	1055.295	1055.780	1056.265	1056.750	1057.235	1057.720	1058.205	1058.690	1059.175	1059.660	1060.145	1060.630	1061.115	1061.600	1062.085	1062.570	1063.055	1063.540	1064.025	1064.510	1064.995	1065.480	1065.965	1066.450	1066.935	1067.420	1067.905	1068.390	1068.875	1069.360	1069.845	1070.330	1070.815	1071.300	1071.785	1072.270	1072.755	1073.240	1073.725	1074.210	1074.695	1075.180	1075.665	1076.150	1076.635	1077.120	1077.605	1078.090	1078.575	1079.060	1079.545	1080.030	1080.515	1081.000	1081.485	1081.970	1082.455	1082.940	1083.425	1083.910	1084.395	1084.880	1085.365	1085.850	1086.335	1086.820	1087.305	1087.790	1088.275	1088.760	1089.245	1089.730	1090.215	1090.700	1091.185	1091.670	1092.155	1092.640	1093.125	1093.610	1094.095	1094.580	1095.065	1095.550	1096.035	1096.520	1097.005	1097.490	1097.975	1098.460	1098.945	1099.430	1099.915	1100.400	1100.885	1101.370	1101.855	1102.340	1102.825	1103.310	1103.795	1104.280	1104.765	1105.250	1105.735	1106.220	1106.705	1107.190	1107.675	1108.160	1108.645	1109.130	1109.615	1110.100	1110.585	1111.070	1111.555	1112.040	1112.525	1113.010	1113.495	1113.980	1114.465	1114.950	1115.435	1115.920	1116.405	1116.890	1117.375



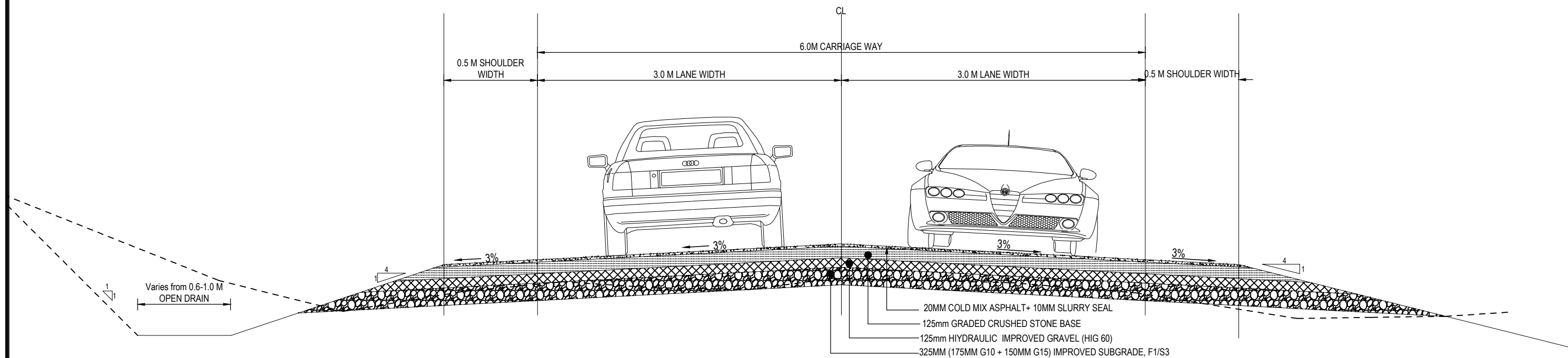
TYPICAL CROSS SECTIONS AND PAVEMENT DRAWINGS



TYPICAL ROAD SECTION DETAILS
WITHIN URBAN CENTRES

SCALE 1:40

NOTE
ALL DIMENSIONS ARE IN METERS
UNLESS STATE OTHERWISE

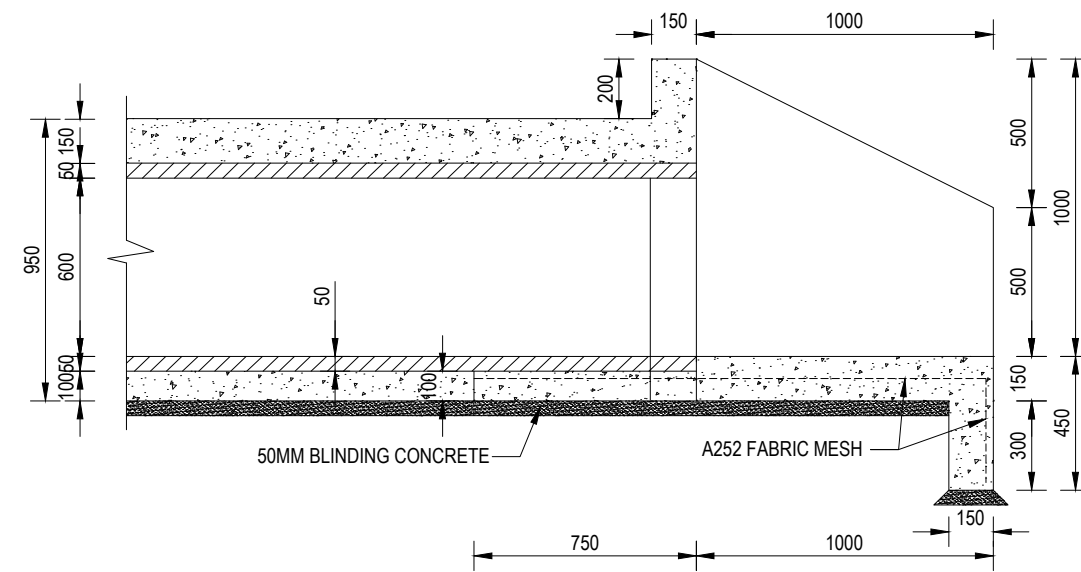


TYPICAL ROAD SECTION DETAILS
OUTSIDE URBAN CENTRES

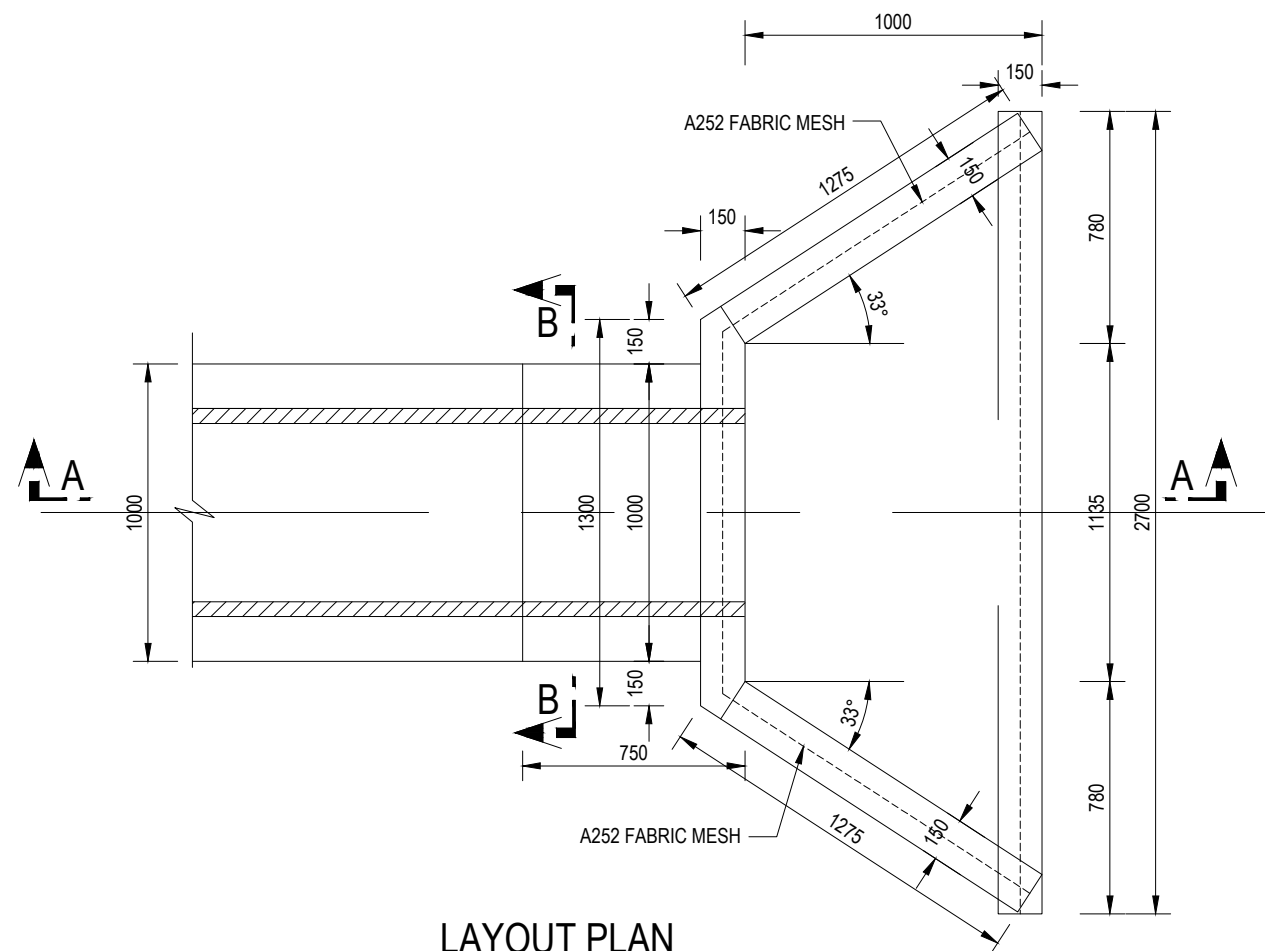
SCALE 1:40

NOTE
ALL DIMENSIONS ARE IN METERS
UNLESS STATE OTHERWISE

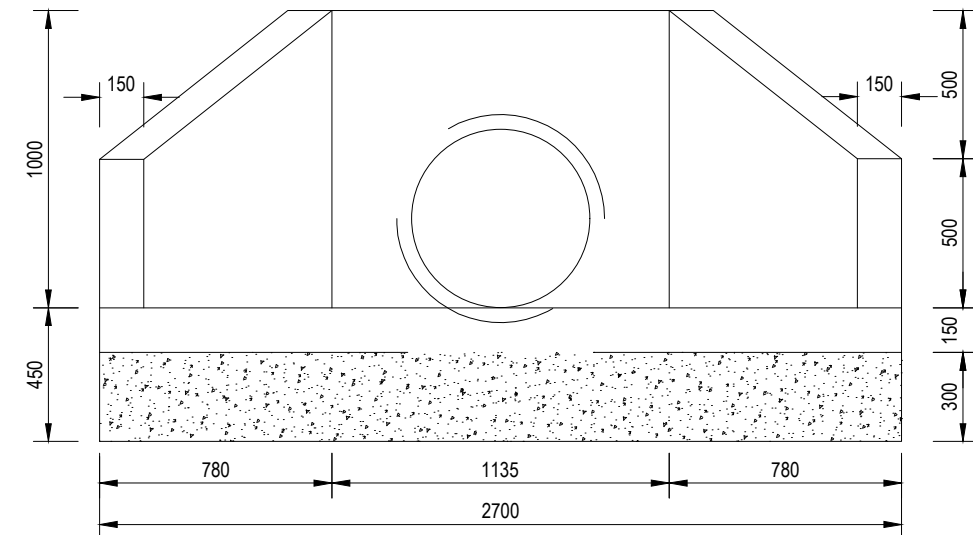
TYPICAL CULVERT DETAILS



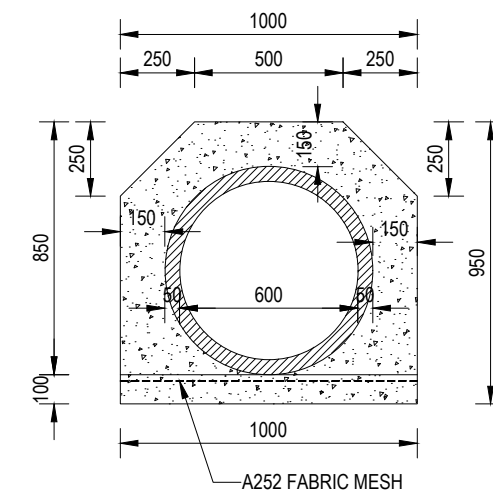
ACCESS CULVERT 600 Dia SECTION A-A
SCALE 1 : 20



LAYOUT PLAN
SCALE 1 : 20



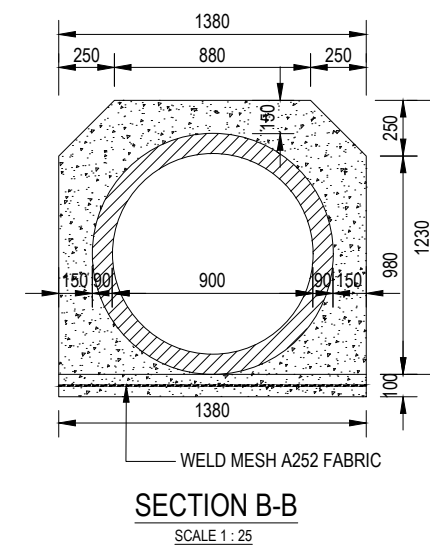
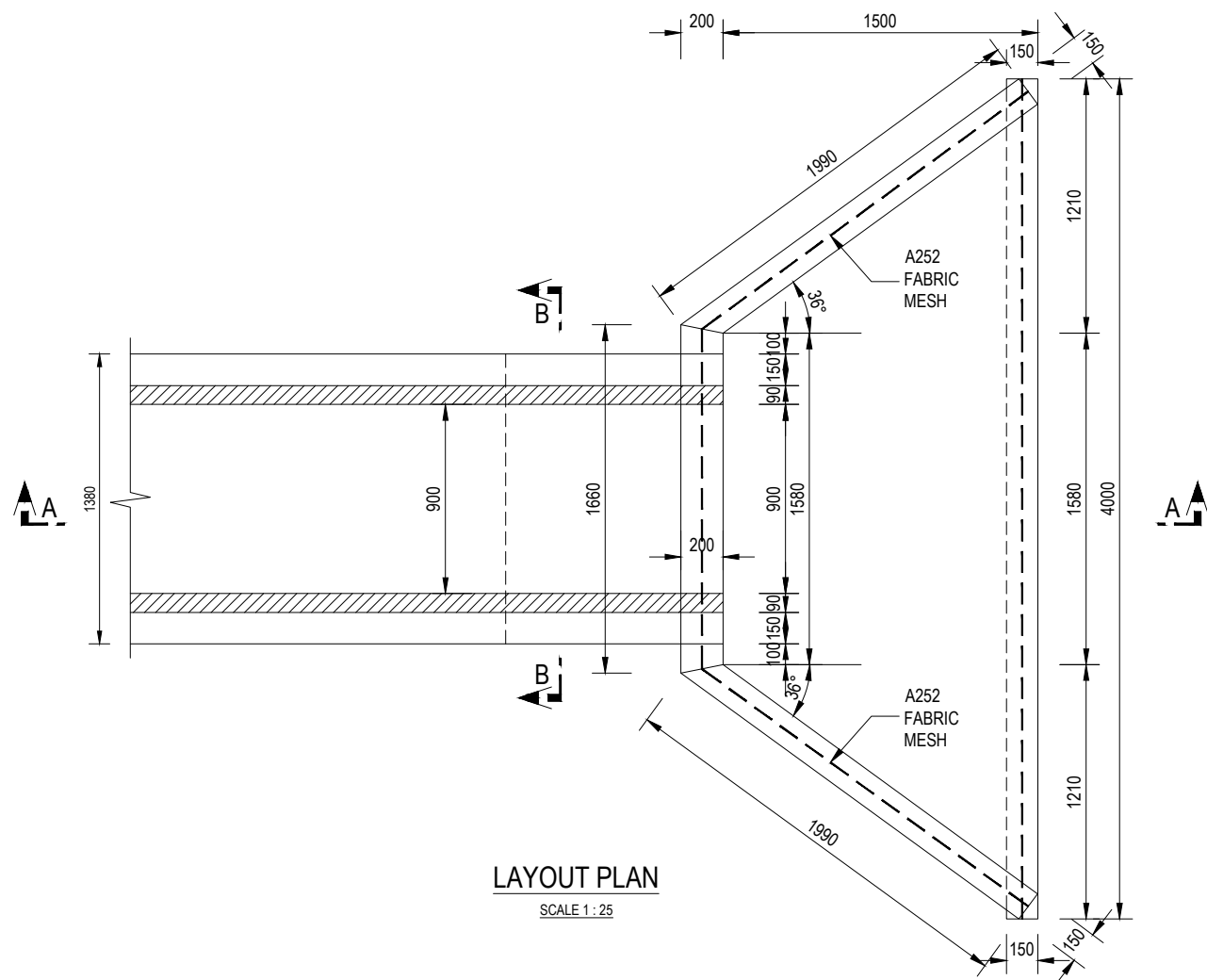
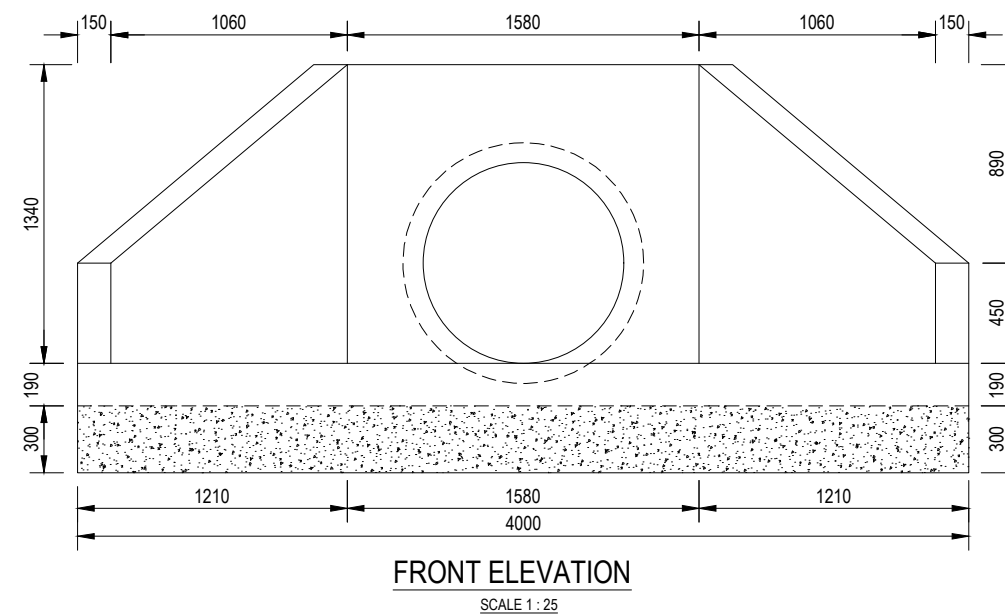
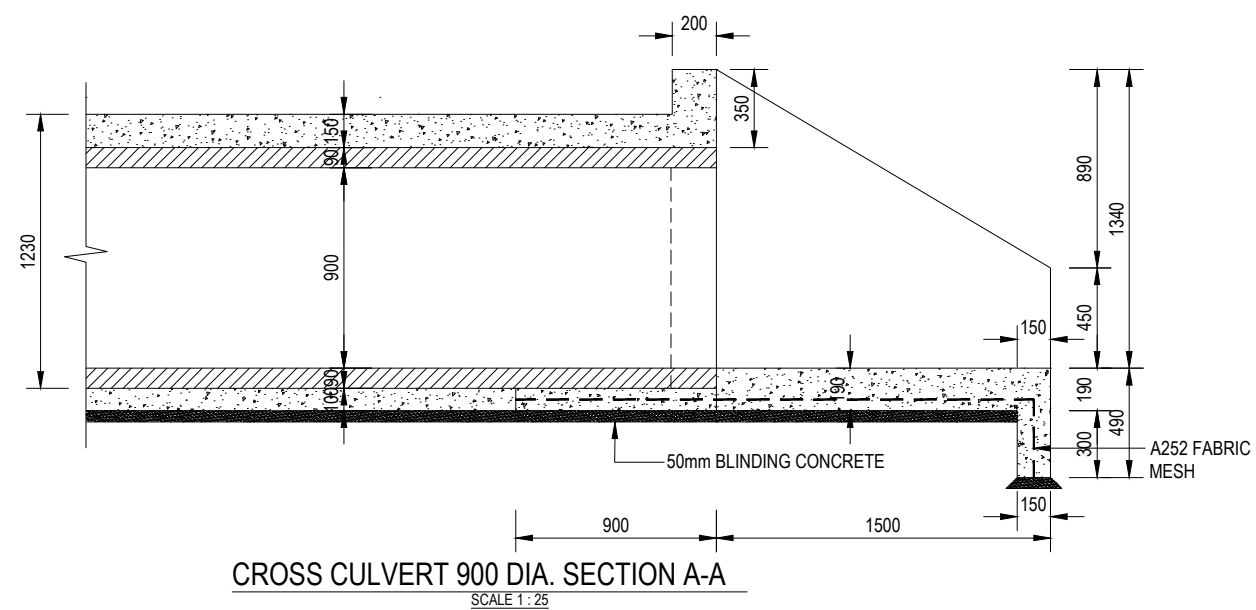
FRONT ELEVATION
SCALE 1 : 20



SECTION B-B
SCALE 1 : 20

NOTES

1. ALL FABRIC MESH REINFORCEMENT TO BE PLACED AS SHOWN
2. THE SLOPE OF THE PIPE SHALL BE DIRECTED BY THE ENGINEER'S REPRESENTATIVE
3. ALL DIMENSIONS ARE IN MILLIMETERS
4. CONCRETE FOR HEADWALL, APRON, TOEWALL, BAFFLEWALL TO BE CLASS 25/20
5. CONCRETE FOR BLINDING AND SURROUND TO BE CLASS 15/20
6. COVER TO BRC MESH TO BE 40MM
7. PCC PIPES TO BE MANUFACTURED IN COMPLIANCE WITH SECTION OF 17 STANDARD SPECIFICATION FOR THE ROAD AND BRIDGE CONSTRUCTION-1896
8. ALL EXCAVATIONS FOR FOUNDATIONS TO BE APPROVED BY THE ENGINEER ON SITE BEFORE COMMENCEMENT OF CONCRETE WORK FOR EACH FOUNDATION

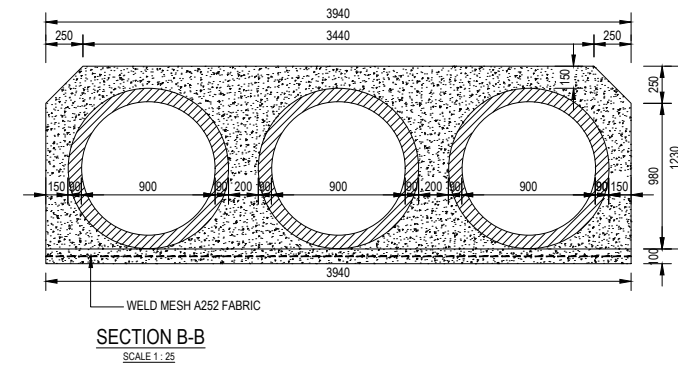
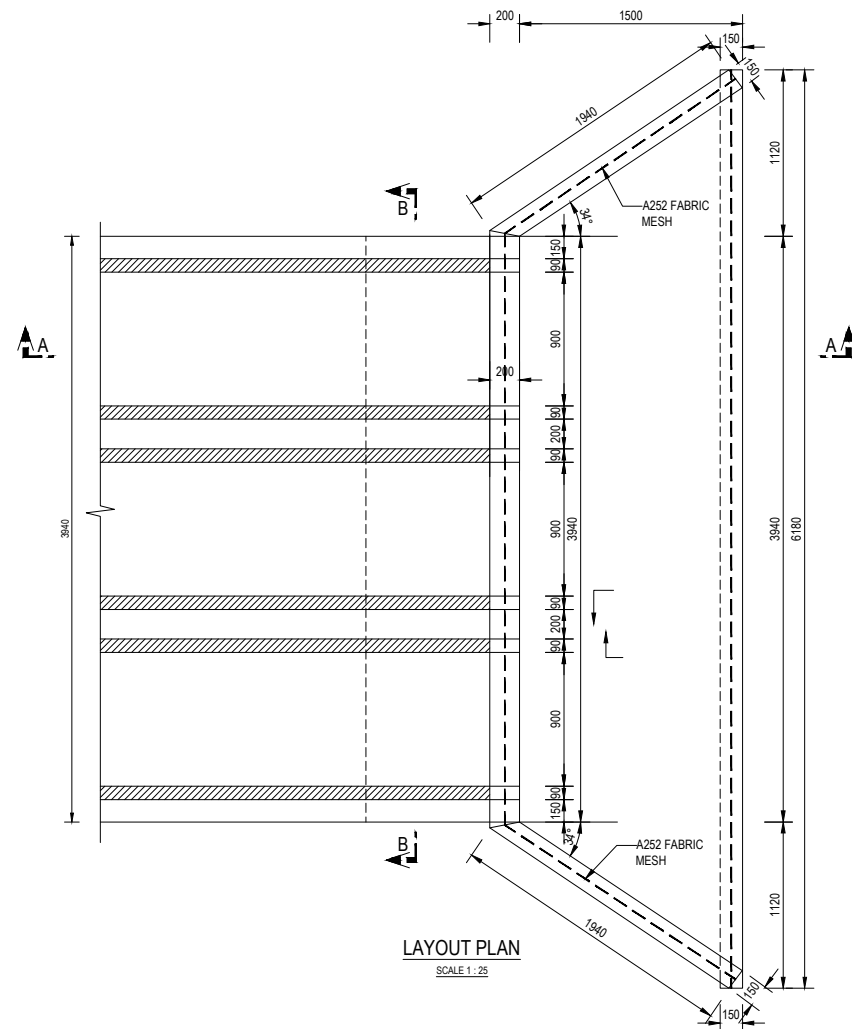
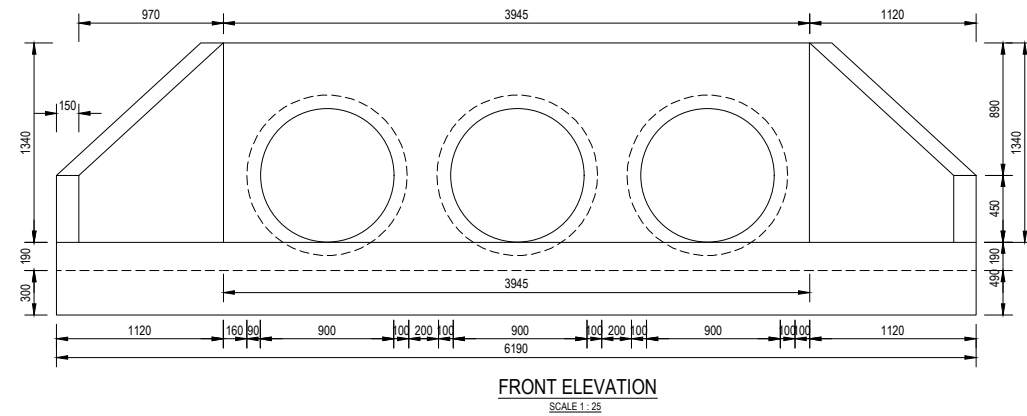
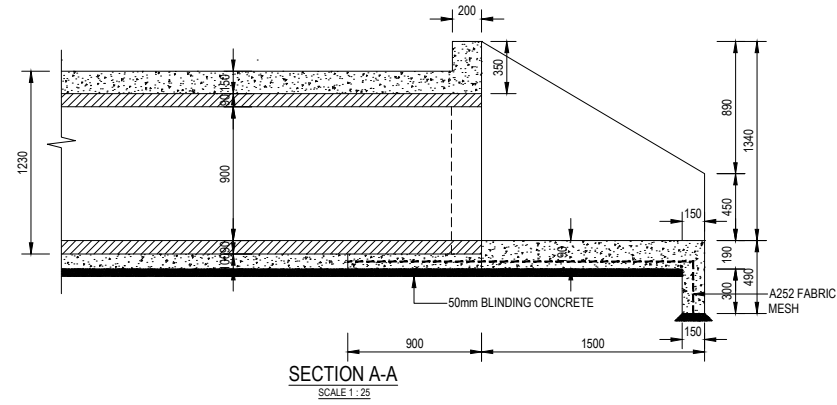


NOTES

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7. PCC PIPES TO BE MANUFACTURED IN COMPLIANCE WITH SECTION OF 17 STANDARD SPECIFICATION FOR THE ROAD AND BRIDGE CONSTRUCTION-1896



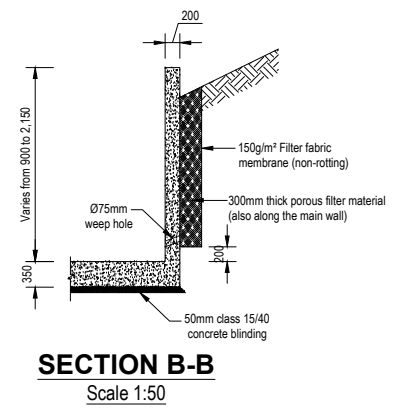
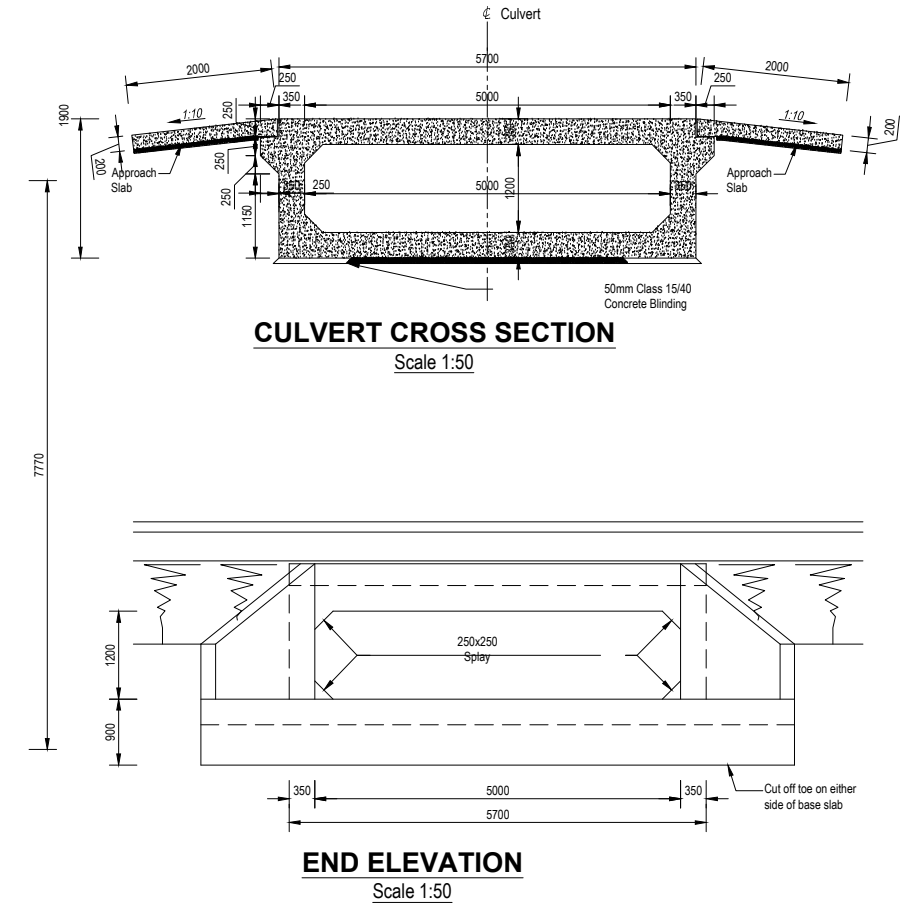
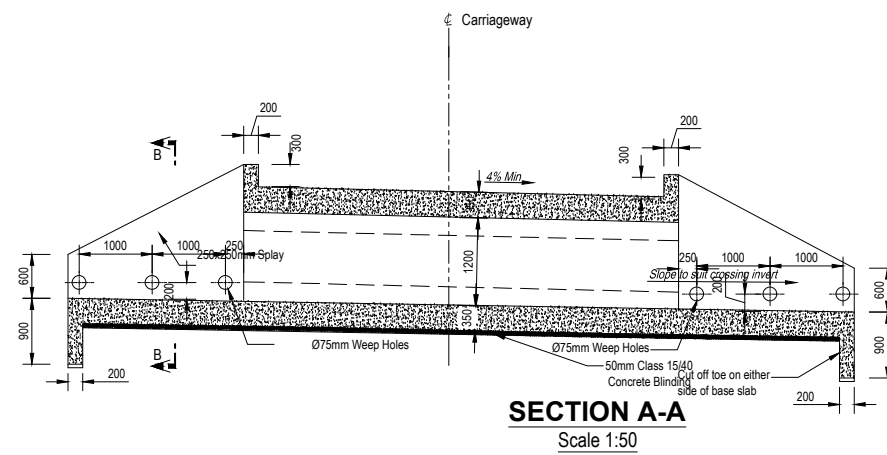
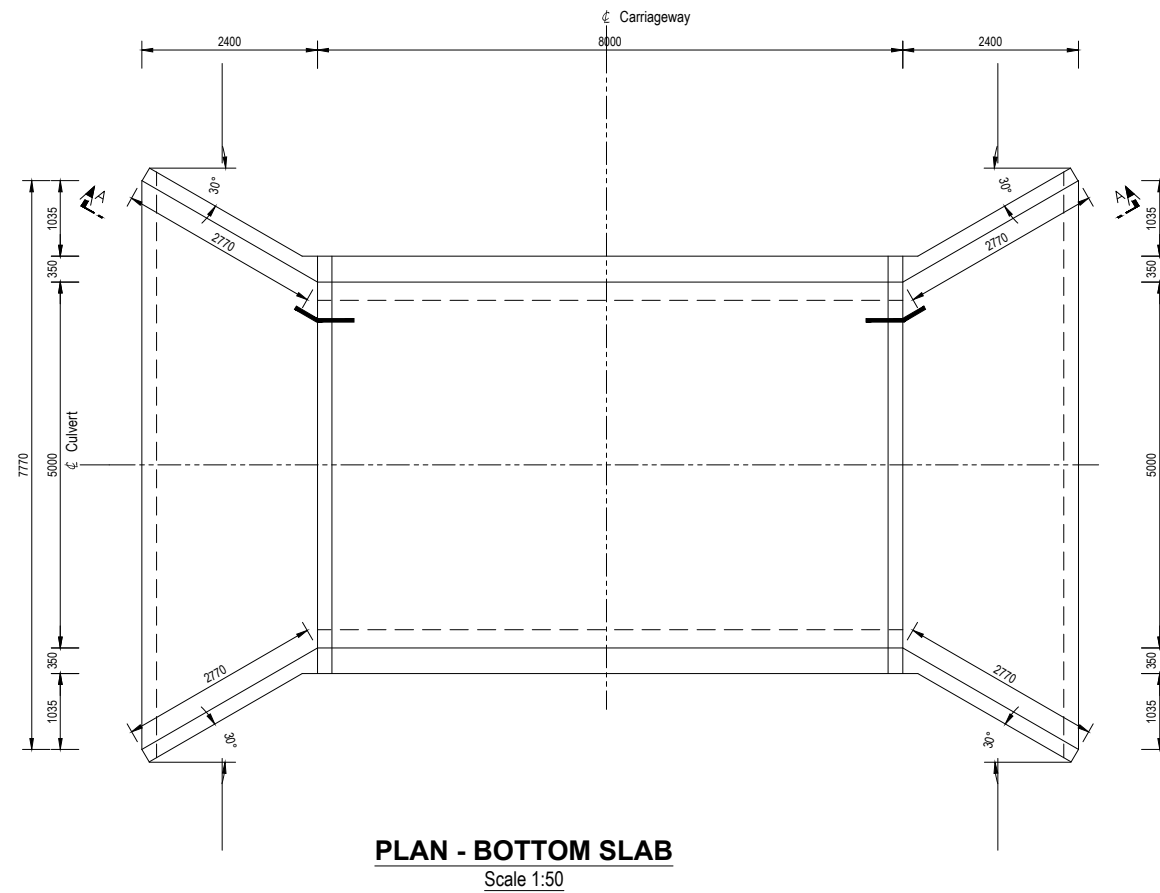
1. ALL FABRIC MESH REINFORCEMENT TO BE PLACED AS SHOWN
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8. ALL EXCAVATIONS FOR FOUNDATIONS TO BE APPROVED BY THE ENGINEER ON SITE BEFORE COMMENCEMENT OF CONCRETE WORK FOR EACH FOUNDATION



NOTES

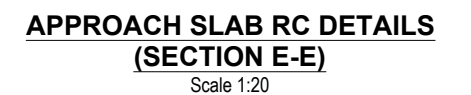
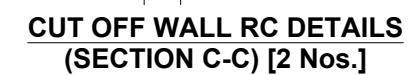
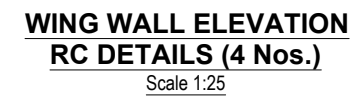
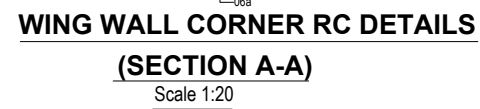
1. ALL FABRIC MESH REINFORCEMENT TO BE PLACED AS SHOWN
2. THE SLOPE OF THE PIPE SHALL BE DIRECTED BY THE ENGINEER'S REPRESENTATIVE.
3. ALL DIMENSIONS ARE IN MILLIMETERS
4. CONCRETE FOR HEADWALL, APRON, TOEWALL, BAFFLEWALL TO BE CLASS 25/20
5. CONCRETE FOR BLINDING AND SURROUND TO BE CLASS 15/20
6. CONTRACTOR TO CHECK THE DRAWINGS FOR CORRECTNESS AND RAISE ANY QUERIES ON ANY NOTED DISCREPANCY BEFORE COMMENCEMENT OF WORK.

MAJOR DRAINAGE STRUCTURES



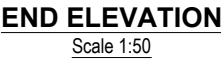
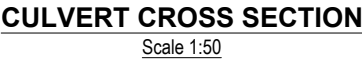
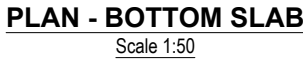
NOTES:

1. FINAL CULVERT DIMENSIONS, FORMATION LEVELS & INVERT LEVELS TO BE CONFIRMED ON SITE AT THE TIME OF CONSTRUCTION.
2. A TRAFFIC DIVERSION ROUTE WILL BE REQUIRED DURING CONSTRUCTION.
3. THE MINIMUM HEIGHT OF FILL ABOVE CULVERT TO BE 600MM.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED.

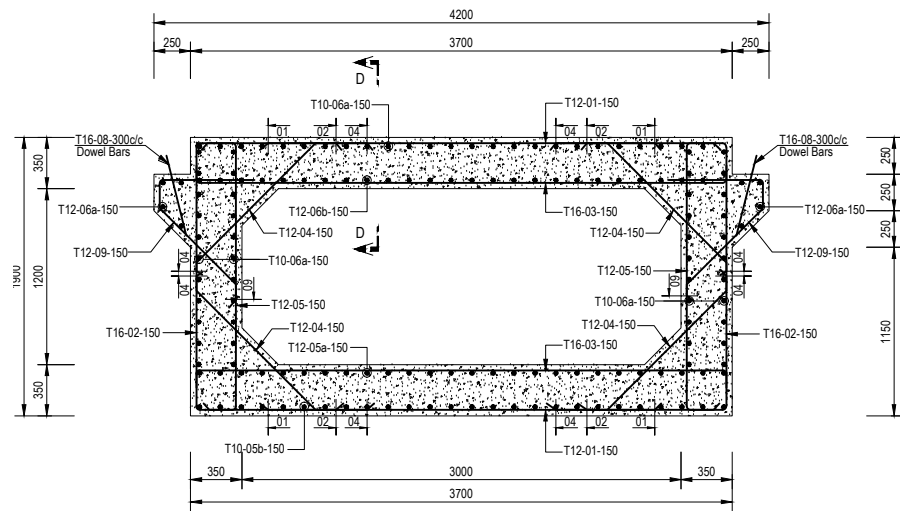




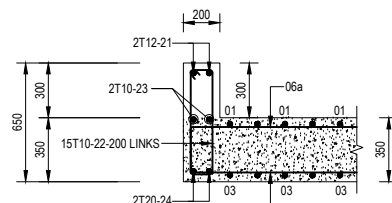
1. ALL FABRIC MESH REINFORCEMENT TO BE PLACED AS SHOWN
2. THE SLOPE OF THE PIPE SHALL BE DIRECTED BY THE ENGINEER'S REPRESENTATIVE.
3. ALL DIMENSIONS ARE IN MILLIMETERS
4. CONCRETE FOR HEADWALL, APRON, TOEWALL, BAFFLEWALL TO BE CLASS 25/20
5. CONCRETE FOR BLINDING AND SURROUND TO BE CLASS $\frac{15}{20}$
6. CONTRACTOR TO CHECK THE DRAWINGS FOR CORRECTNESS AND RAISE ANY QUERIES ON ANY NOTED DISCREPANCY BEFORE COMMENCEMENT OF WORK.



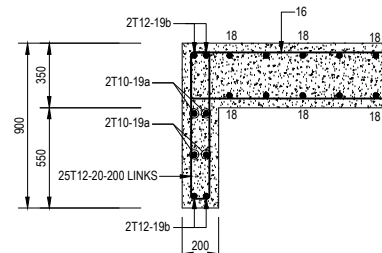
1. FINAL CULVERT DIMENSIONS, FORMATION LEVELS & INVERT LEVELS TO BE CONFIRMED ON SITE AT THE TIME OF CONSTRUCTION.
2. A TRAFFIC DIVERSION ROUTE WILL BE REQUIRED DURING CONSTRUCTION.
3. THE MINIMUM HEIGHT OF FILL ABOVE CULVERT TO BE 600MM.



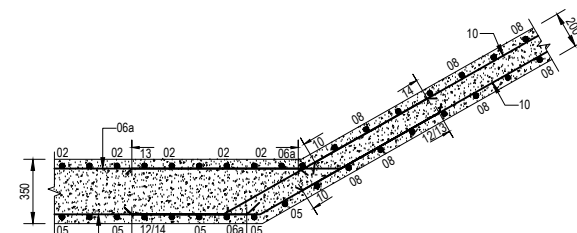
**1 CELL 2x1.5M CULVERT CROSS SECTION
RC DETAILS**
Scale 1:25



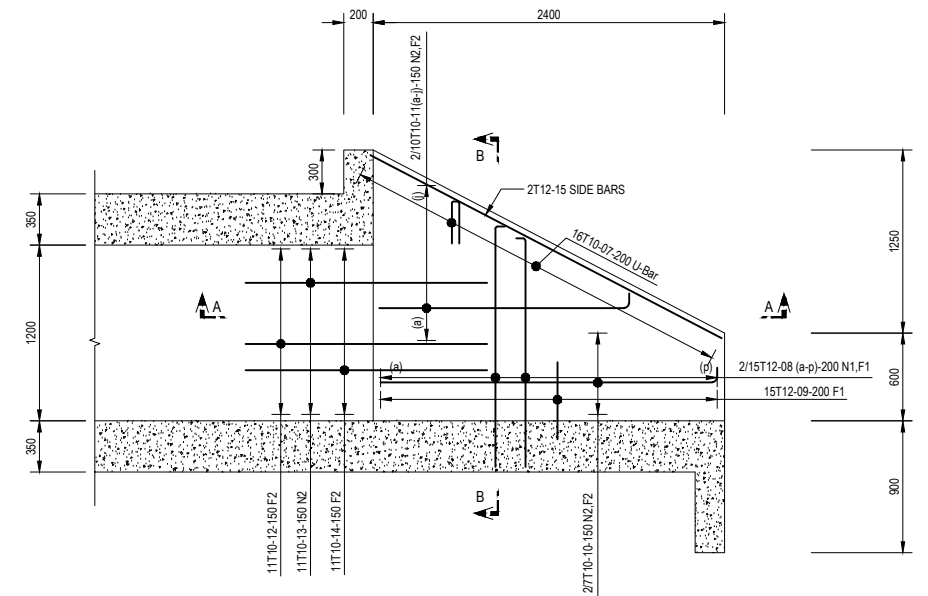
**HEAD WALL RC DETAILS
(SECTION D-D)**
Scale 1:20



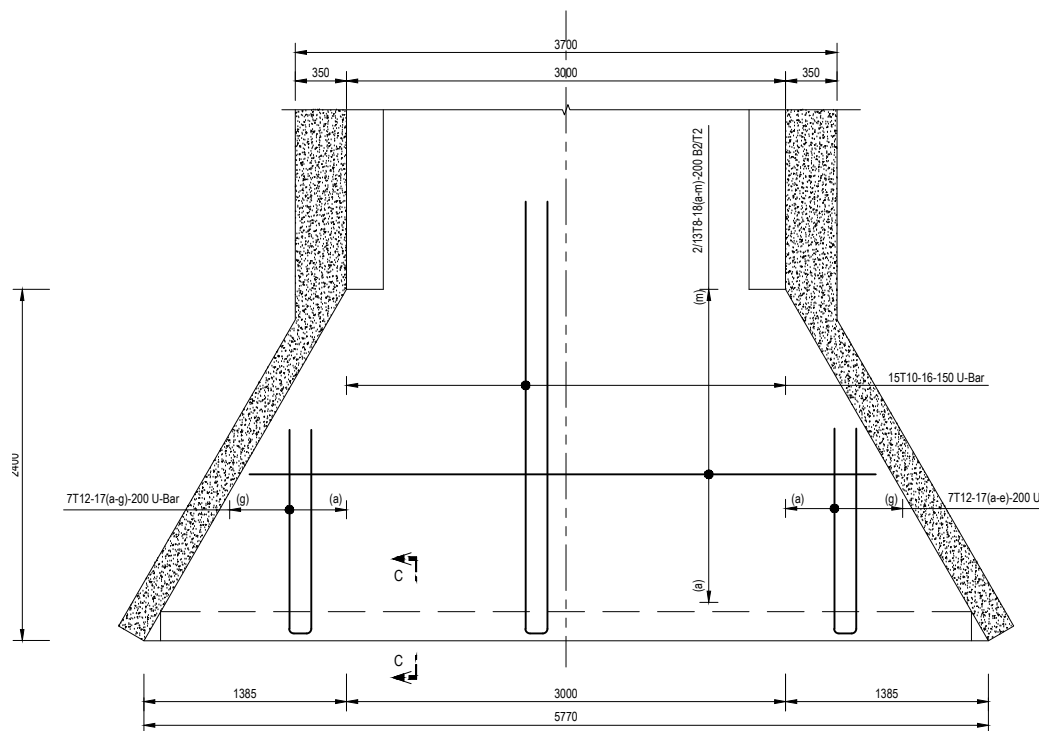
**CUT OFF WALL RC DETAILS
(SECTION C-C) [2 Nos.]**
Scale 1:20



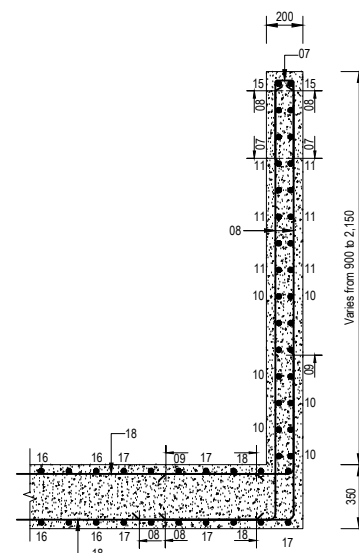
**WING WALL CORNER RC DETAILS
(SECTION A-A)**
Scale 1:20



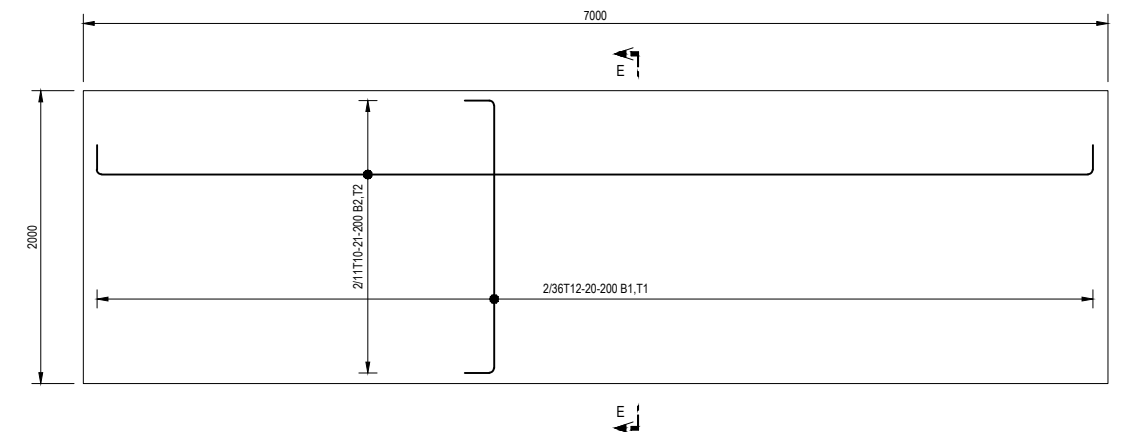
**WING WALL ELEVATION
RC DETAILS (4 Nos.)**
Scale 1:25



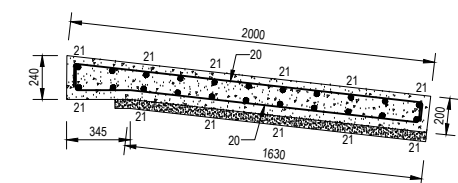
APRON SLAB RC DETAILS (2 Nos.)
Scale 1:25



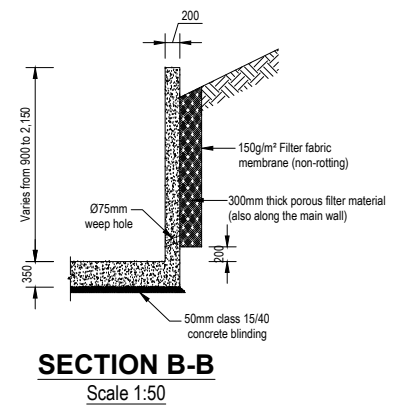
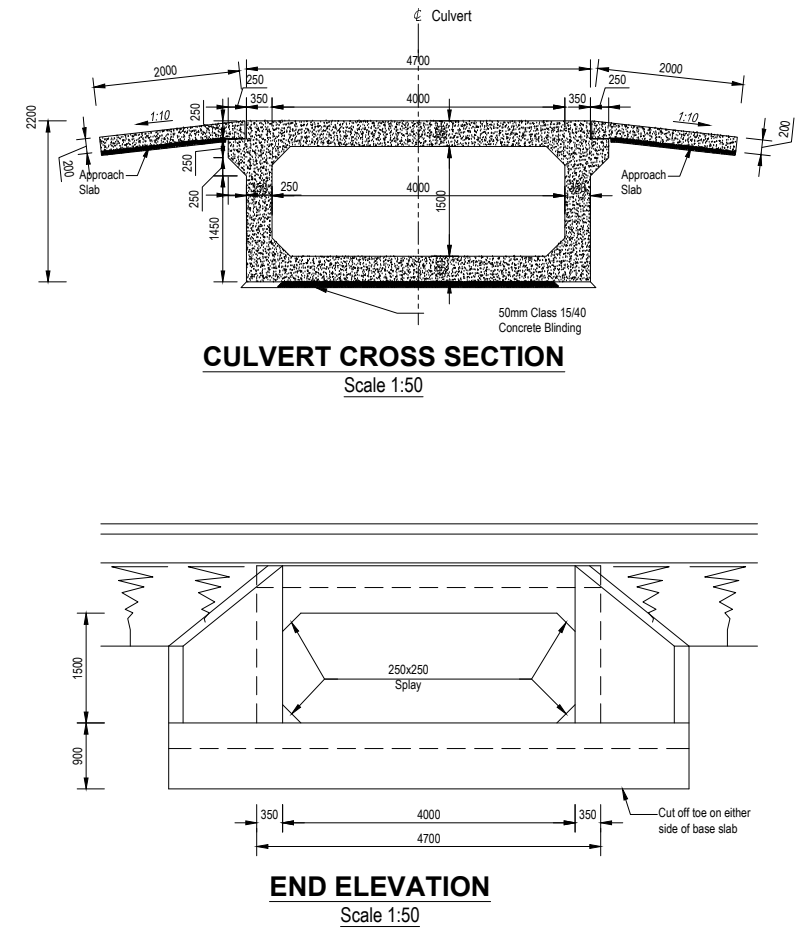
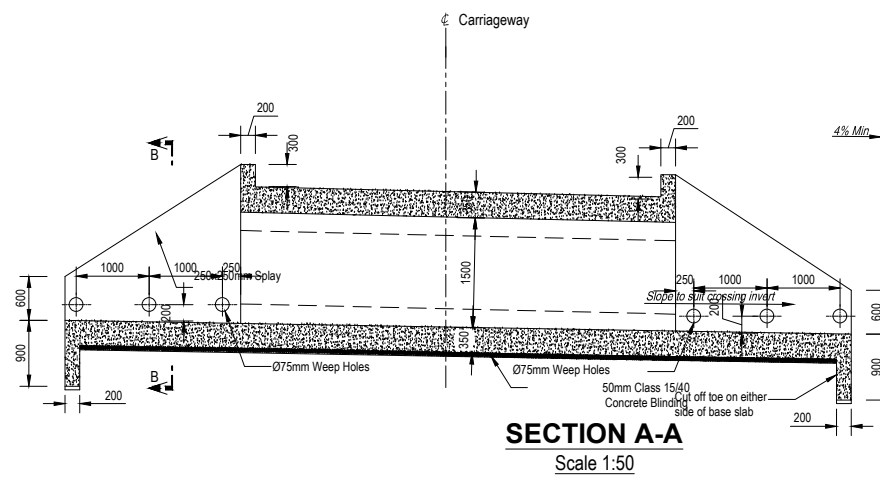
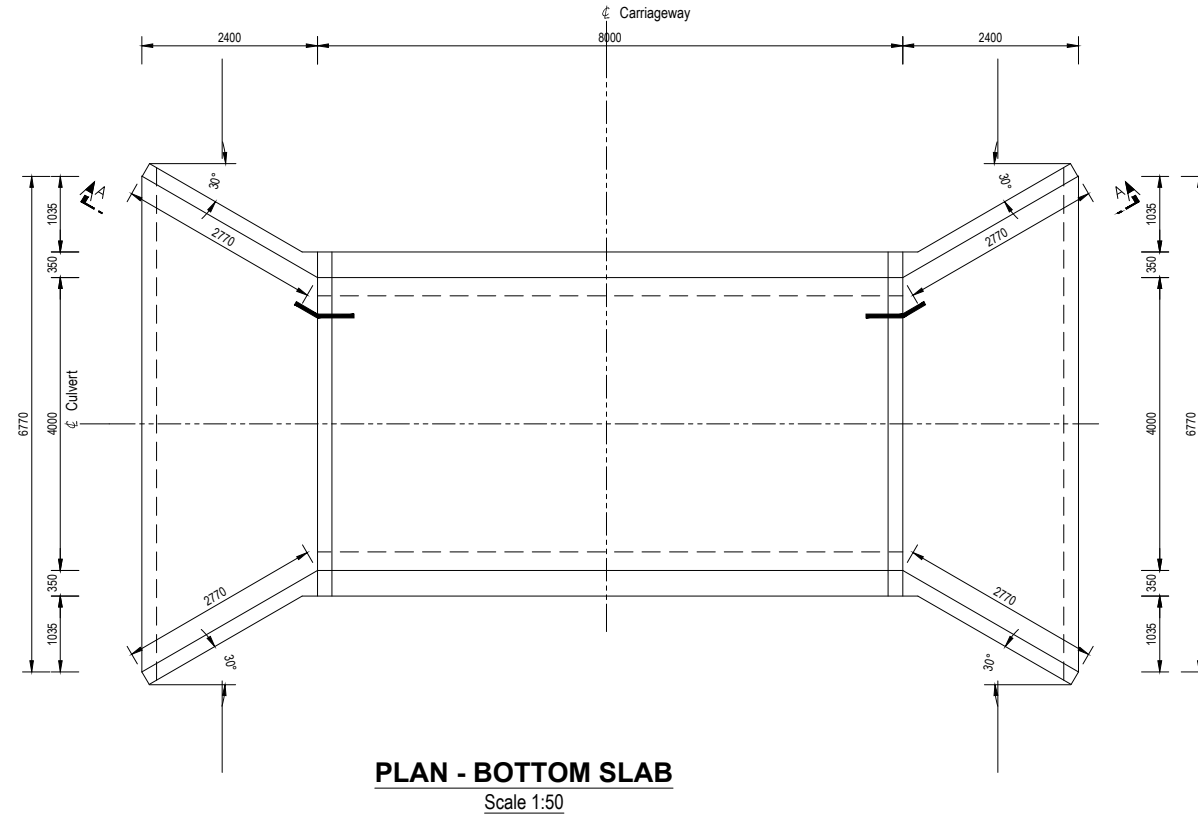
**WING WALL RC DETAILS
(SECTION B-B)**
Scale 1:20



APPROACH SLAB RC DETAILS (2 Nos.)
Scale 1:25

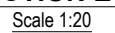
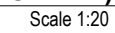
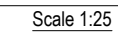
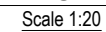
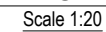
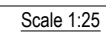
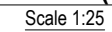
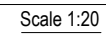


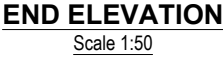
**APPROACH SLAB RC DETAILS
(SECTION E-E)**
Scale 1:20



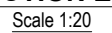
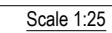
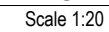
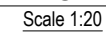
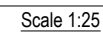
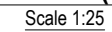
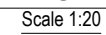
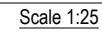
NOTES:

1. FINAL CULVERT DIMENSIONS, FORMATION LEVELS & INVERT LEVELS TO BE CONFIRMED ON SITE AT THE TIME OF CONSTRUCTION.
2. A TRAFFIC DIVERSION ROUTE WILL BE REQUIRED DURING CONSTRUCTION.
3. THE MINIMUM HEIGHT OF FILL ABOVE CULVERT TO BE 600MM.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED.



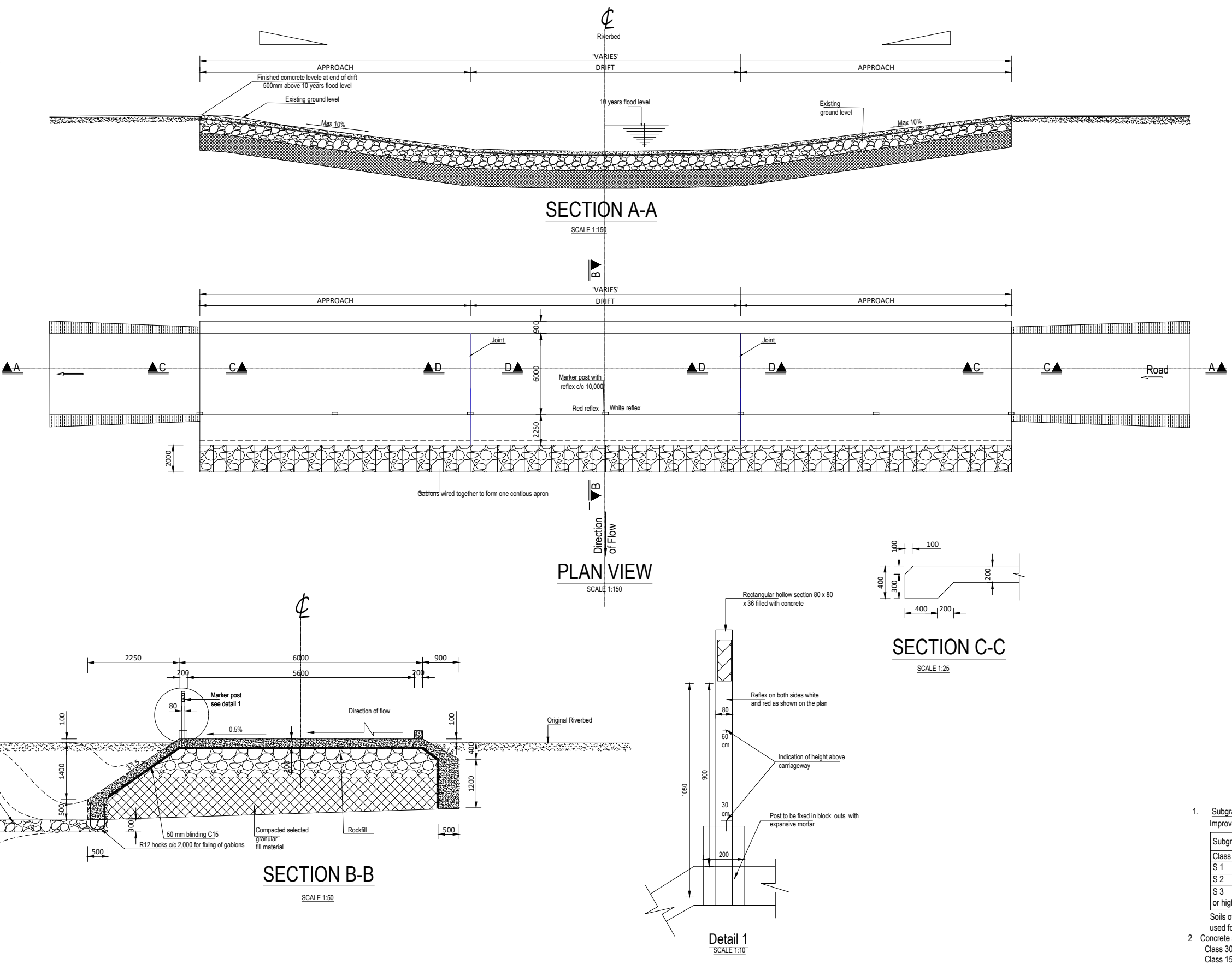


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2. A TRAFFIC DIVERSION ROUTE WILL BE REQUIRED DURING CONSTRUCTION.
3. THE MINIMUM HEIGHT OF FILL ABOVE CULVERT TO BE 600MM.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED.



APPLIES TO CHAINAGE:

- KM 1+150 - 20m
- KM 1+320 - 45m
- KM 1+370 - 20m
- KM 3+250 - 20m
- KM 5+280 - 15m
- KM 5+320 - 15m
- KM 7+150 - 30m
- KM 7+600 - 20m
- KM 9+400 - 15m
- KM 10+100 - 20m

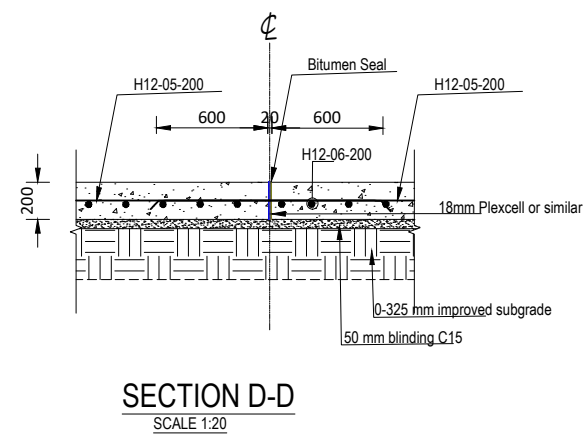
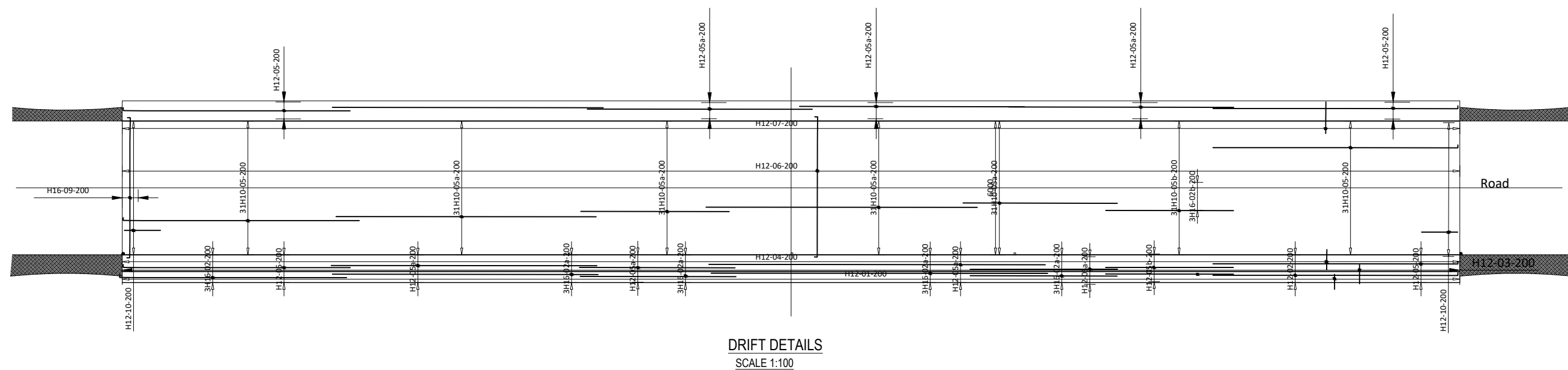
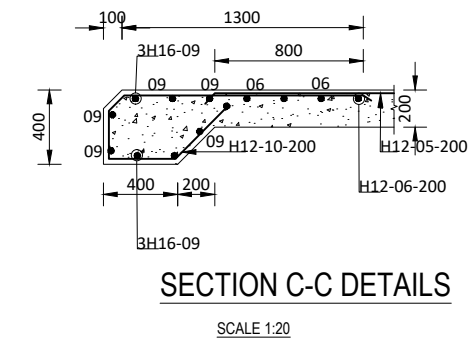
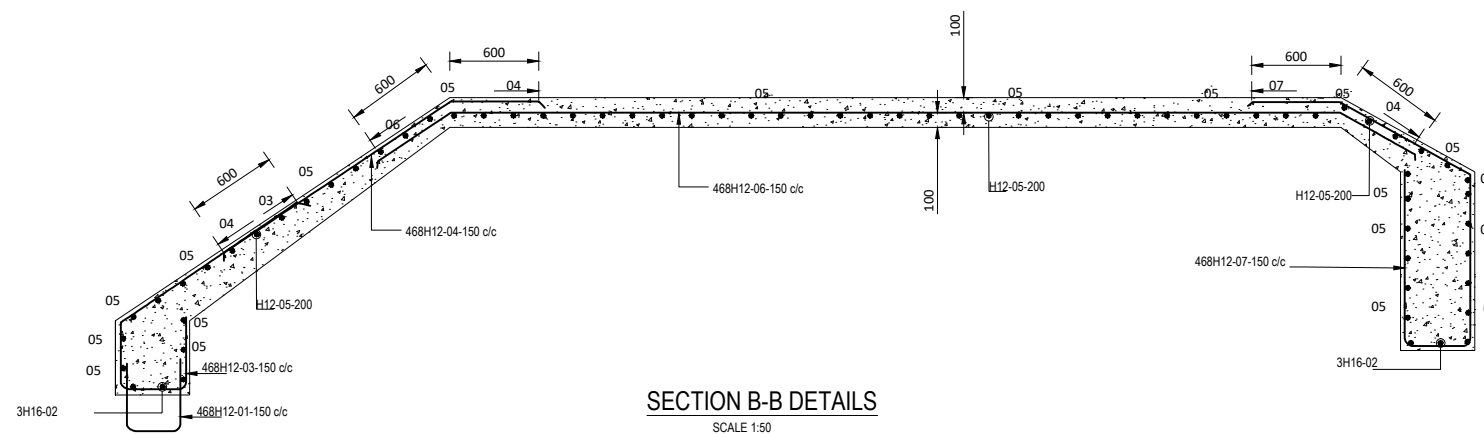


NOTES

- Subgrade
Improved subgrade under drift us required when;

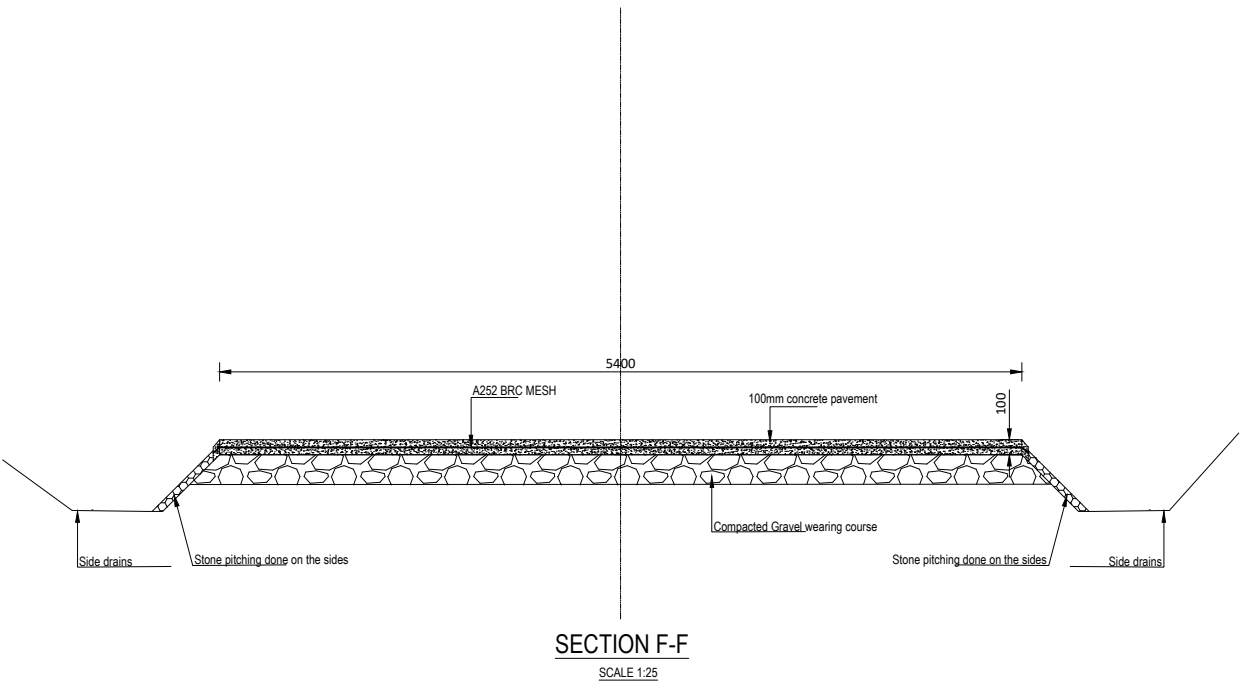
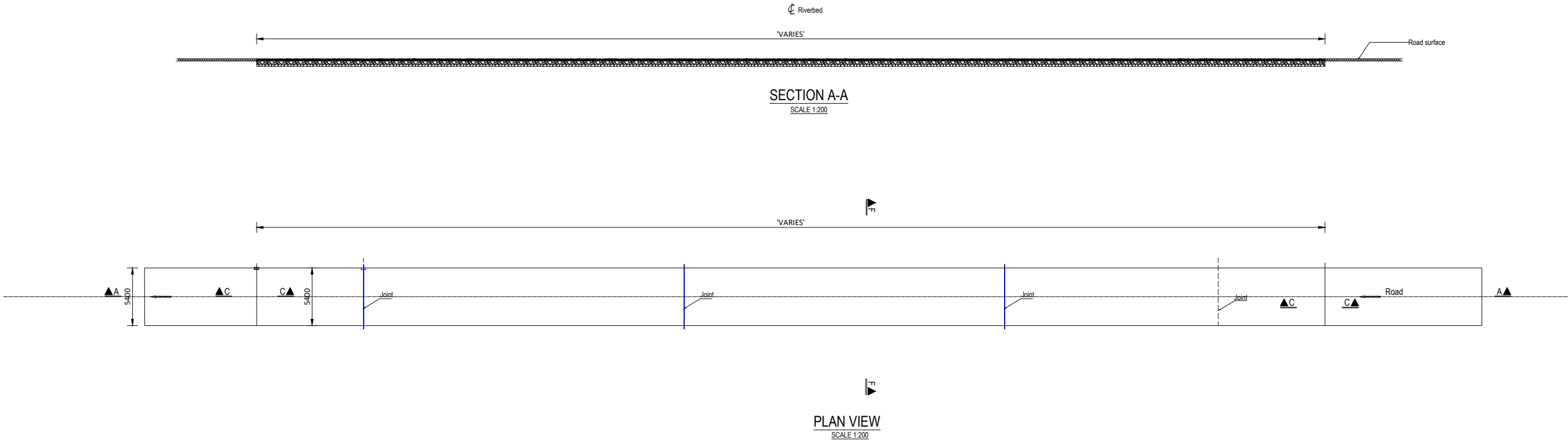
Subgrade soil	Improved Subgrade
Class	CBR range
S 1	2 - 5
S 2	5 - 10
S 3 or higher	7 - 13

Soils of class S4 (CBR range 10-19) should be used for Improvement.
- Concrete strength to be ;
Class 30/20 for drift
Class 15/35 for blinding



APPLIES TO CHAINAGE:

- KM 1+710 - 150m



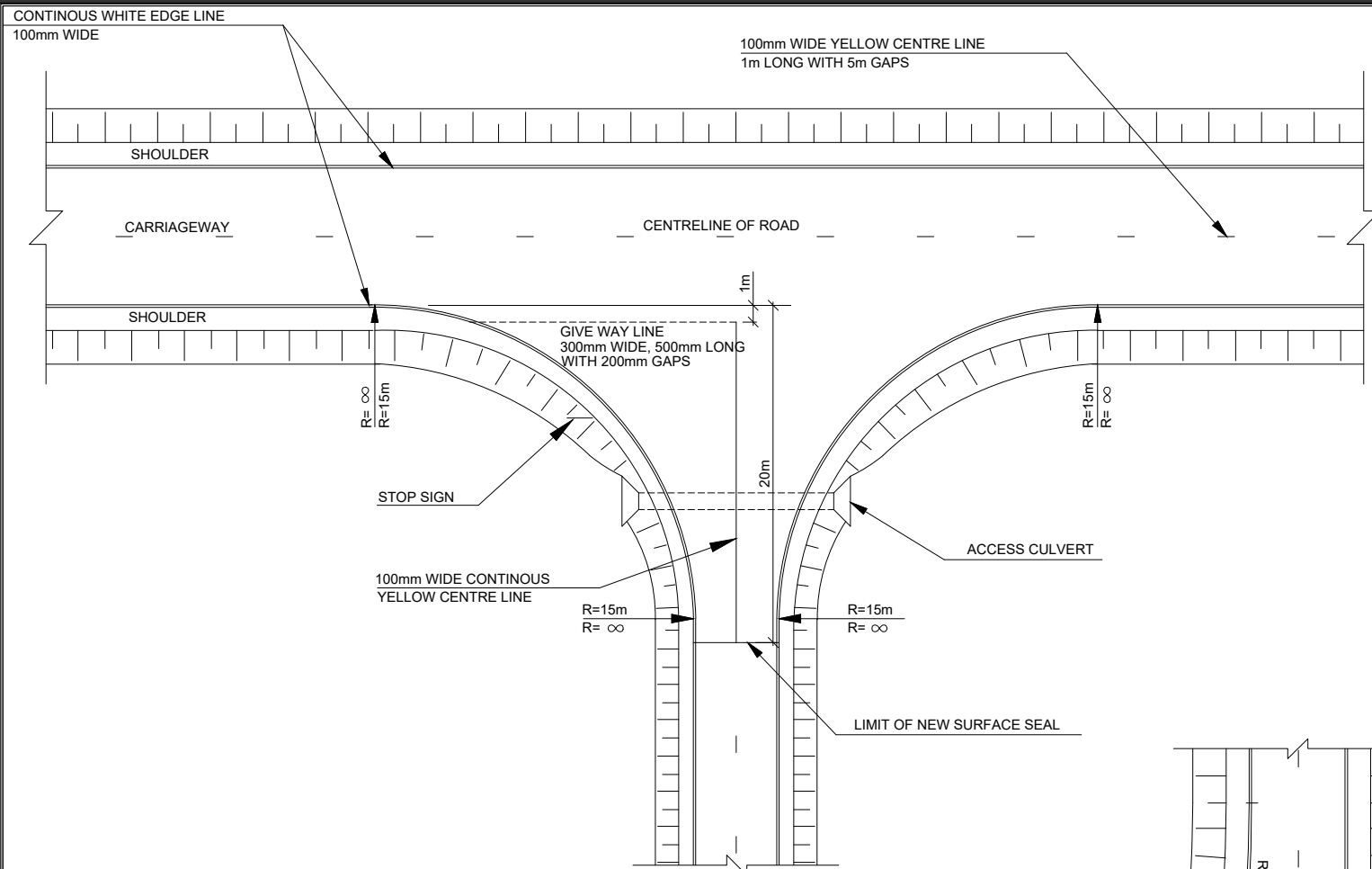
NOTES

- Subgrade
Improved sub grade under concrete pavement is required when:

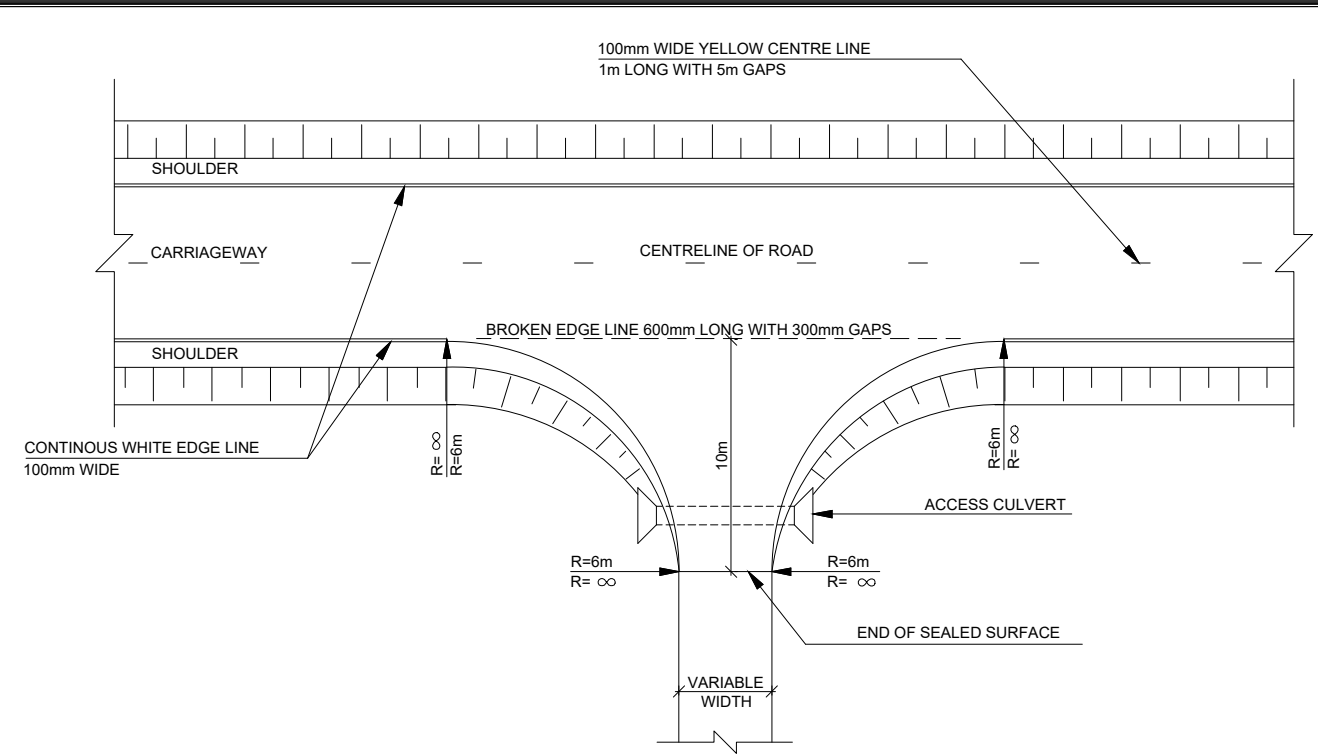
Subgrade soil		Improved Subgrade
Class	CBR range	
S 1	2 - 5	325mm
S 2	5 - 10	200mm
S 3 or higher	7 - 13	0

Soils of class S4 (CBR range 10-19) should be used for Improvement.
- Concrete strength to be;
Class 30/20 for the concrete pavement
Class 15/35 for blinding

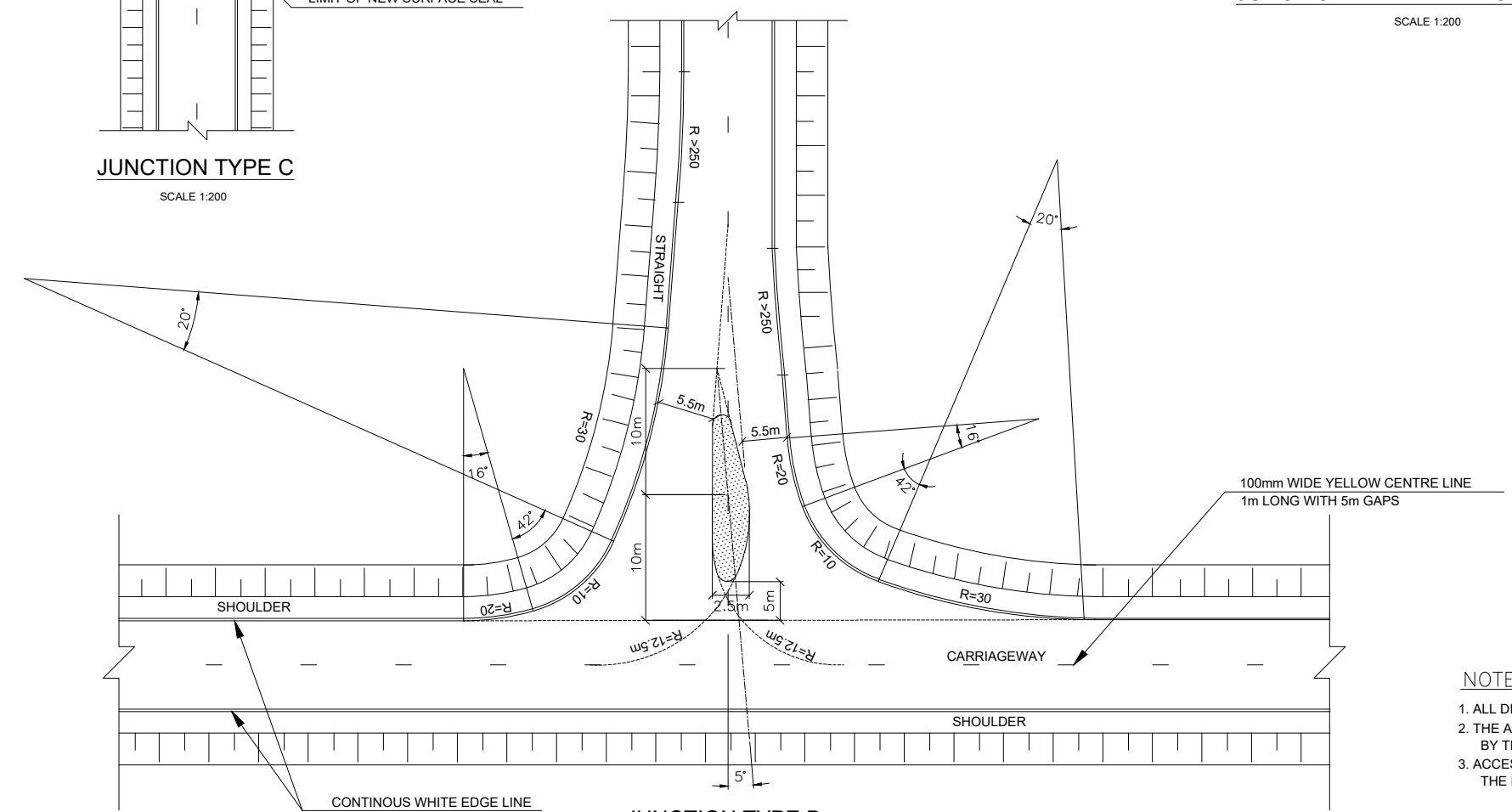
STANDARD DRAWINGS



JUNCTION TYPE C
SCALE 1:200

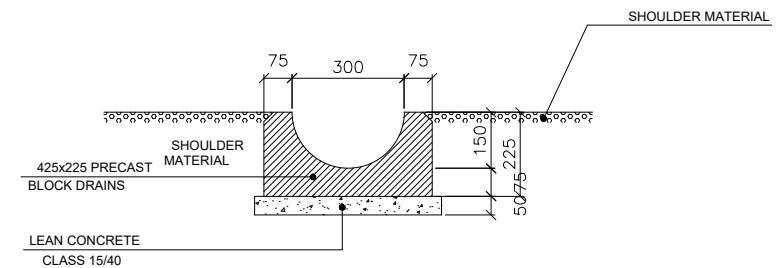
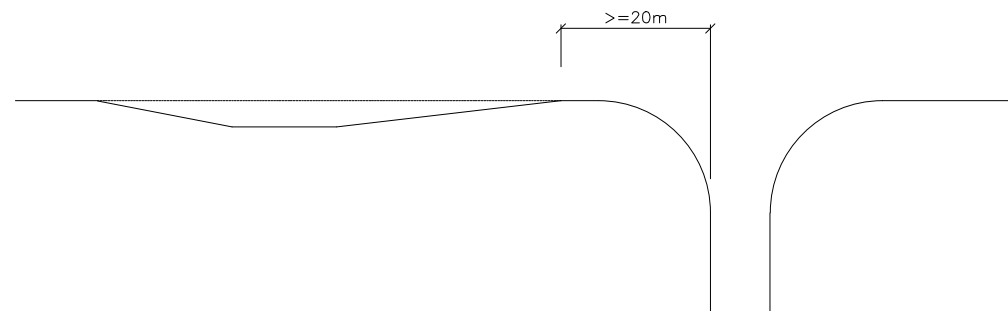
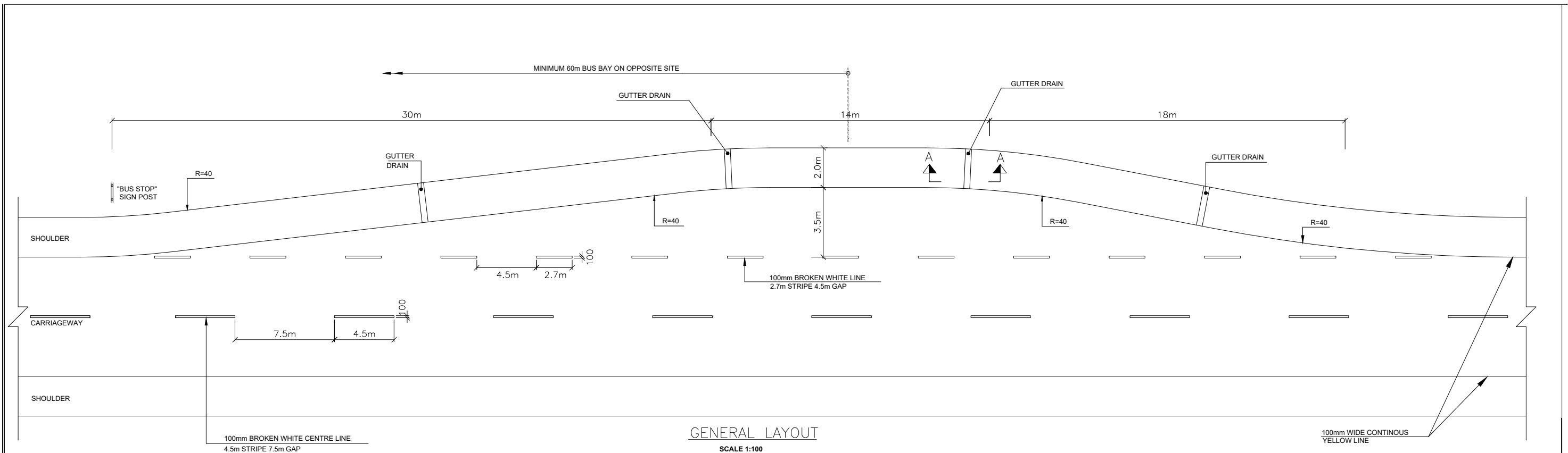


JUNCTION TYPE D : MINOR ACCESSES
SCALE 1:200



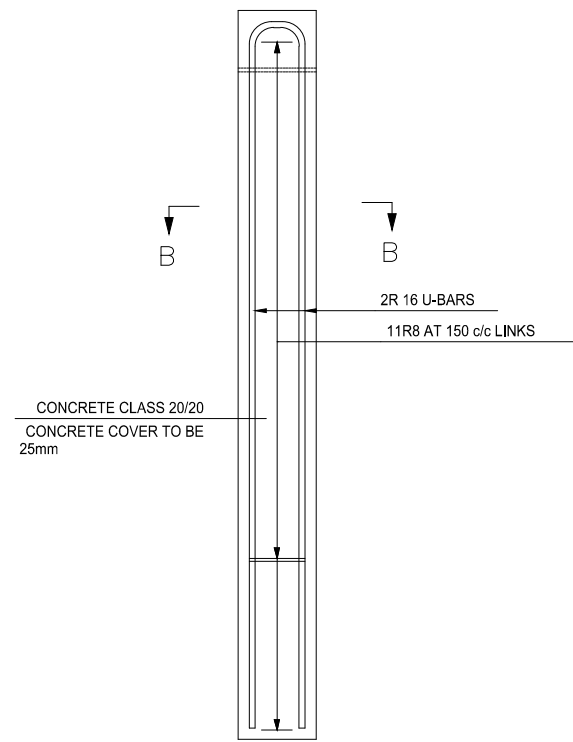
JUNCTION TYPE B

- NOTES:**
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SHOWN.
 2. THE ACTUAL LOCATION OF PRIVATE ACCESS TO BE AS DIRECTED BY THE ENGINEER ON SITE.
 3. ACCESS CULVERTS, AS REQUIRED, SHALL BE AS DIRECTED BY THE ENGINEER.

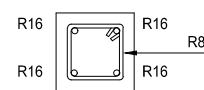


NOTES

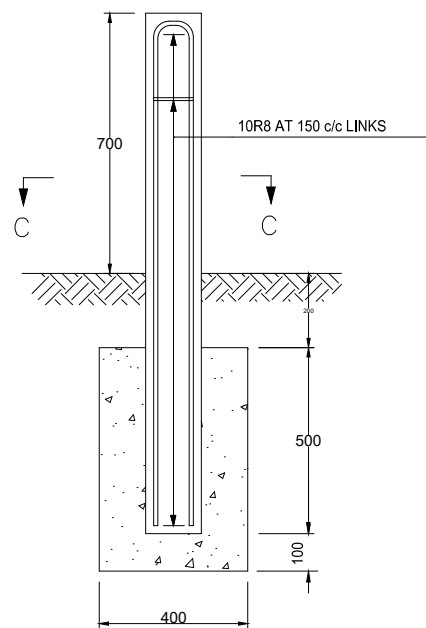
1. "A" TO BE REDUCED TO 25m IN AREAS WITH A SPEED LIMIT OF 50 Km/h OR LESS.
2. "B" TO BE INCREASED TO 25m WHEN MORE THAN ONE BUS AT A TIME IS LIKELY TO USE THE BUSBAY.
3. IN HEAVILY POPULATED AREAS GULLIES AND CLOSED DRAINS MAY BE USED INSTEAD OF GUTTERS.
4. IN RURAL AREAS THE SAME LAYOUT SHALL BE ADOPTED. HOWEVER, FLUSH KERBS MAY BE USED THROUGH OUT AND THE RAISED MIDDLE SECTION AVOIDED.
5. THE FLUSH KERB MAY EITHER BE PREFABRICATED (100x50) PLACED IN LEAN CONCRETE BEDDING AS RAISED KERBS OR CAST IN PLACE.
6. ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED.



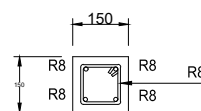
ROAD RESERVE BOUNDARY POST
REINFORCEMENT DETAILS
SCALE 1:10



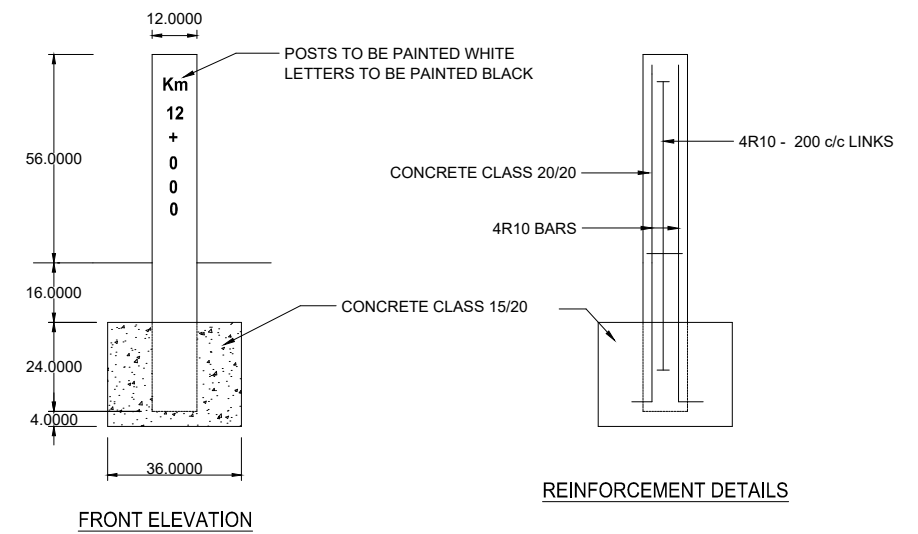
SECTION B-B
SCALE 1:10



CULVERT MARKER POST
SCALE 1:10

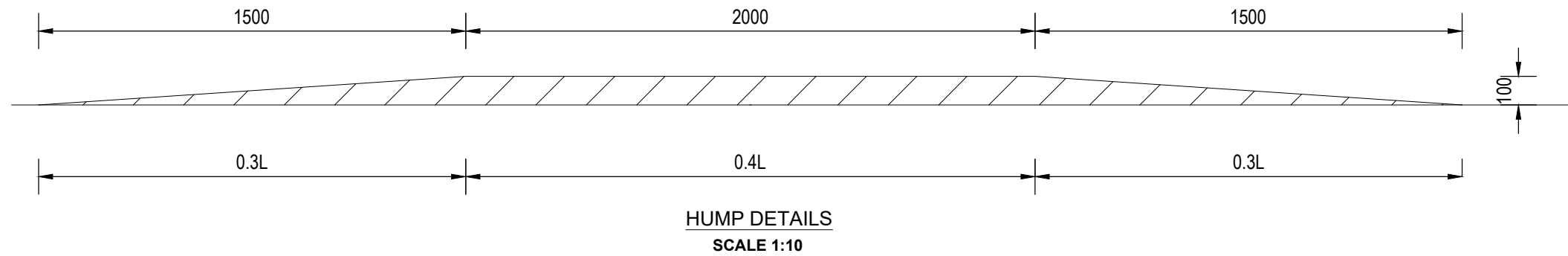
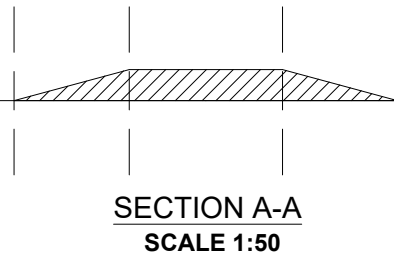
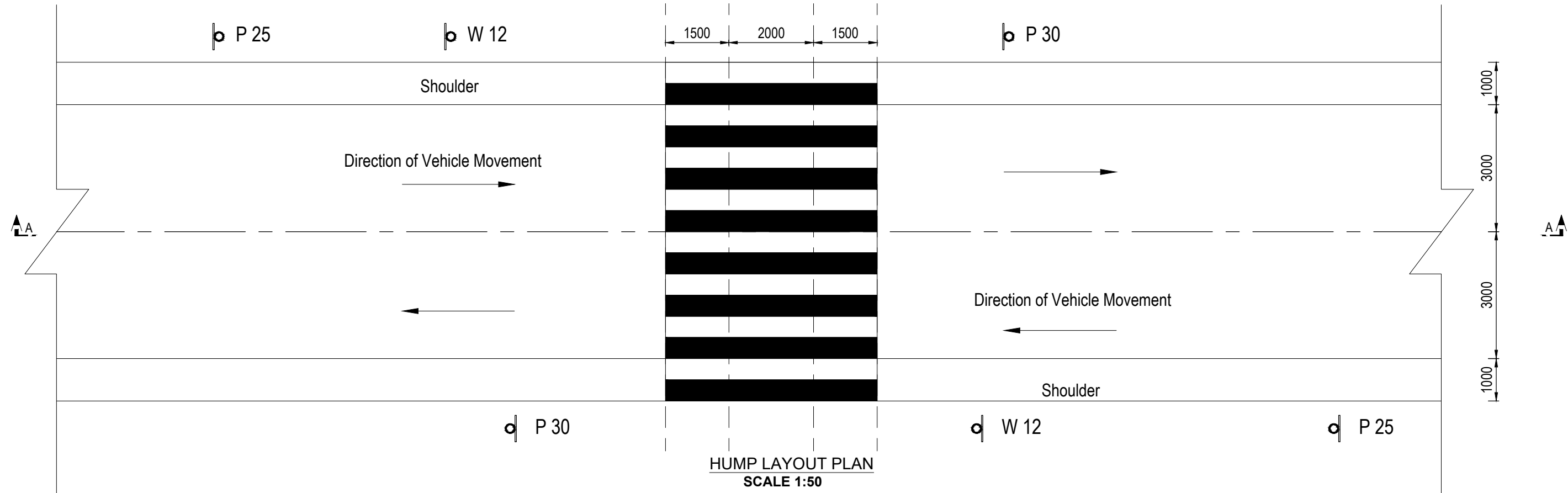


SECTION C-C
SCALE 1:10



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. COMPACTION AROUND POSTS TO BE THE SAME AS SURROUNDING EARTHWORKS.



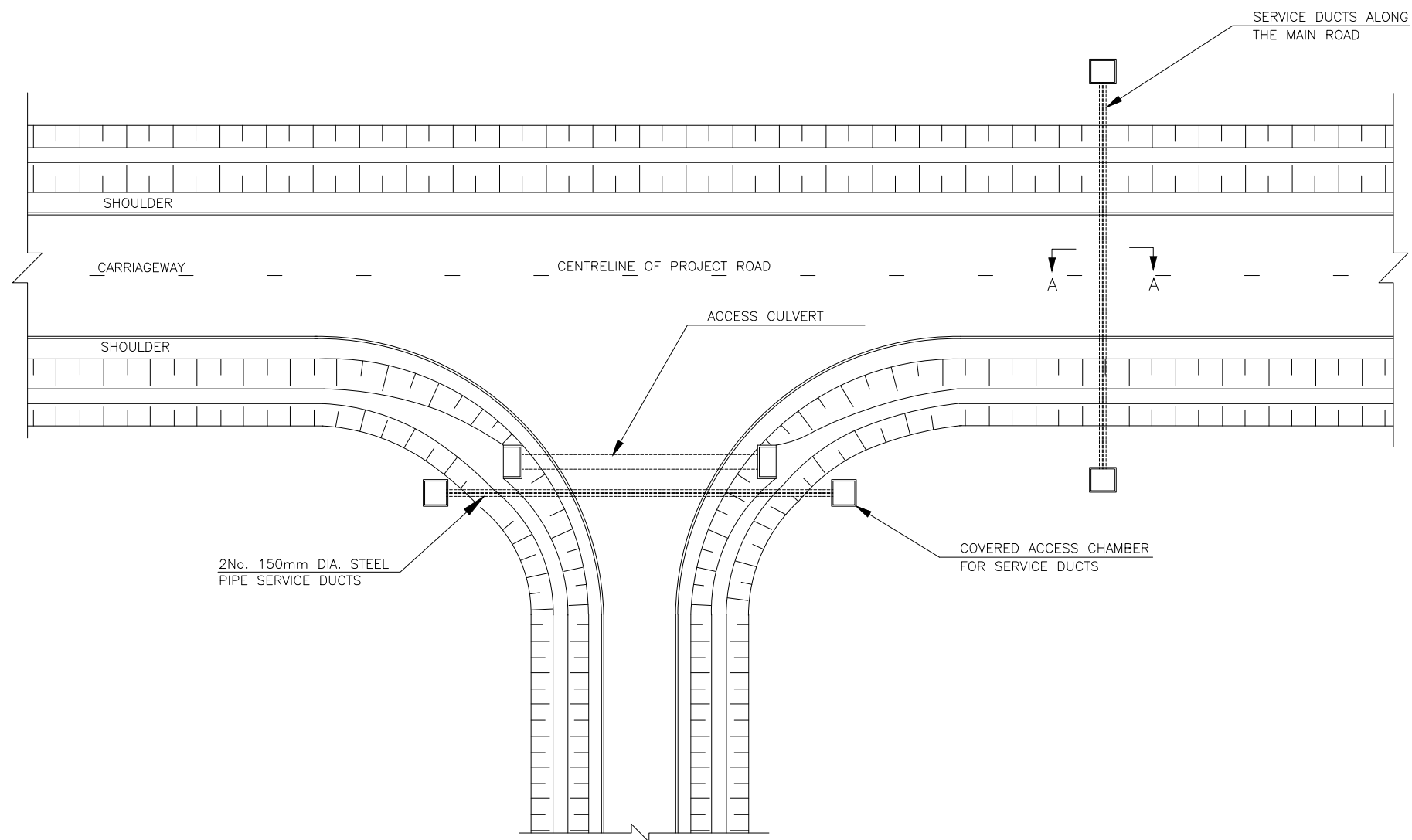
When	Middle	Slope	Respective Speed
L=	0.4xL	0.3xL	
5m=	2.0m	2.0m	50kph
4m=	1.6m	1.6m	40kph
3m=	1.2m	1.2m	30kph

HUMP CROSSING DETAILS



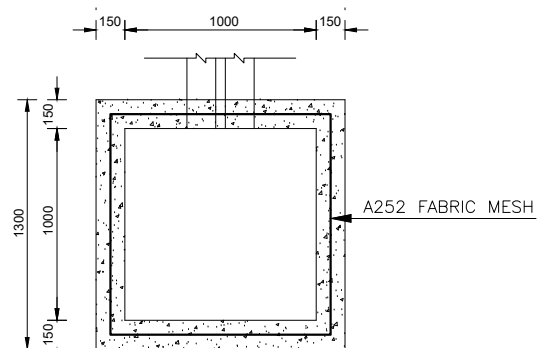
SCALE 1:15





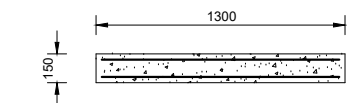
GENERAL LOCATION OF SERVICE DUCTS

SCALE 1:200



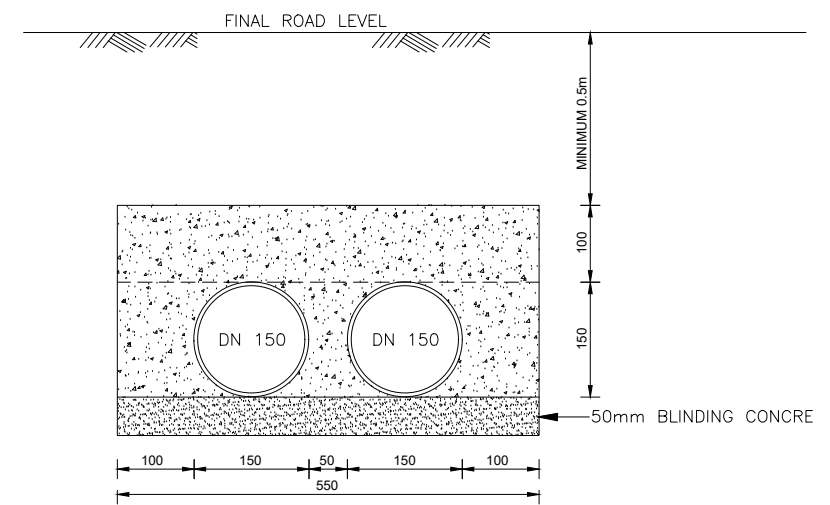
ACCESS CHAMBER: PLAN

SCALE 1:20



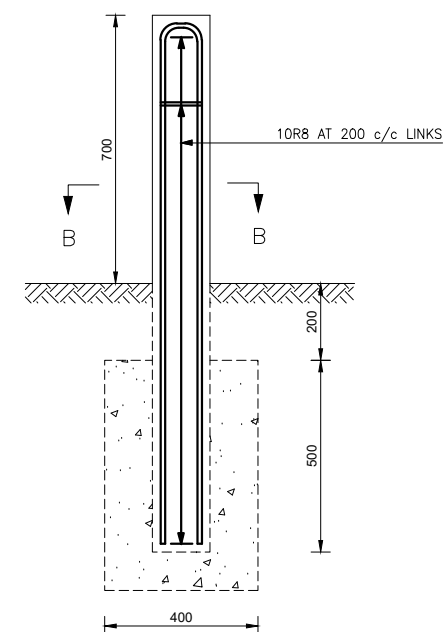
REINFORCED COVER SLAB

SCALE 1:20



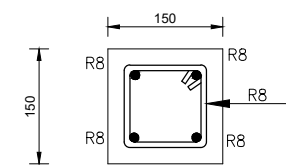
SECTION "A-A"

SCALE 1:5



REINFORCEMENT DETAILS

SCALE 1:10

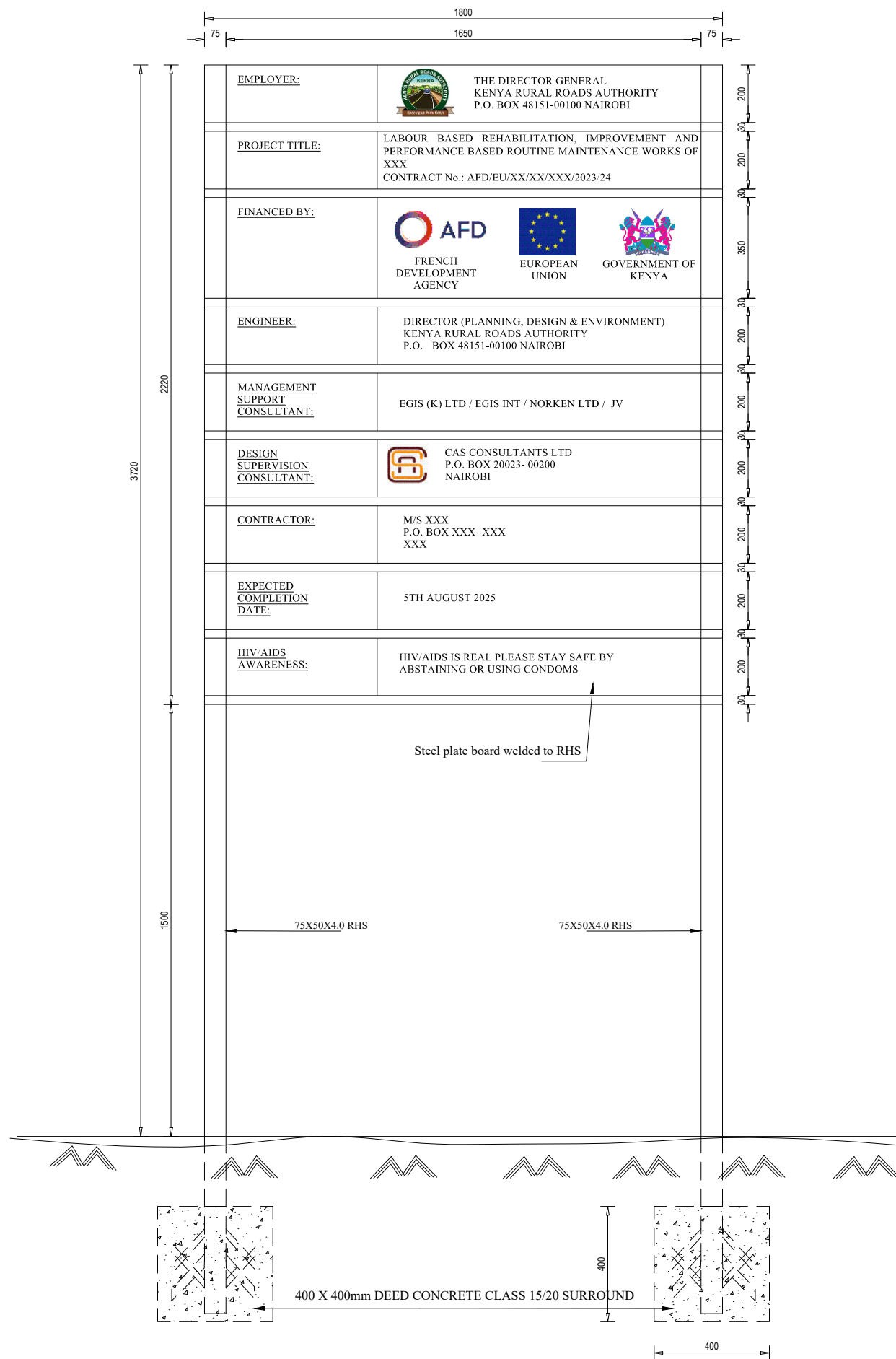


SECTION B-B

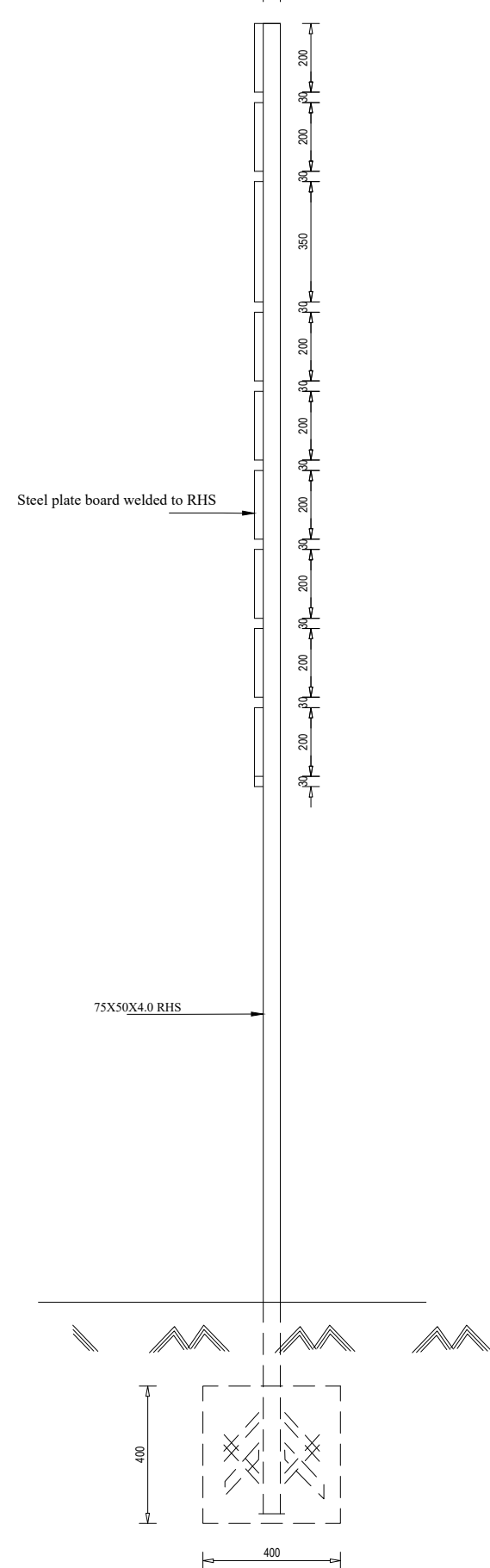
SCALE 1:5

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SHOWN.
2. THE SERVICE DUCTS TO BE INSTALLED AT 100m INTERVALS OR AS DIRECTED BY THE ENGINEER AT SELECTED TRADING CENTERS.
3. ALL STEEL PIPES TO BE TO BS 3049 CLASS 'A'.
4. THE FINISH TO BE HOT DIP GALVANIZED TO BS 729.



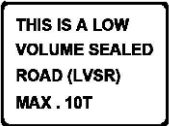
PUBLICITY SIGNBOARD FRONT ELEVATION
SCALE 1:10

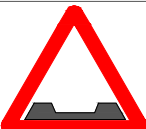
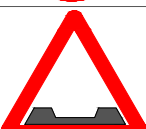
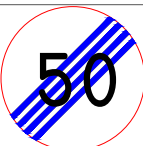


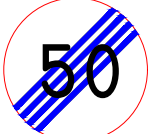
PUBLICITY SIGNBOARD SIDE ELEVATION
SCALE 1:10

- NOTES:**
- 1.BLACK LETTERING ON WHITE BACKGROUND
 - 2.WRITTING MUST BE LEGIBLE FROM 20m
 - 3.LOGOS SHALL BE IN COLOUR
 - 4.ALL HEADINGS ARE 55mm HIGH
 - 5.ALL SUB HEADINGS ARE 50mm HIGH
 - 6.CLEAR HEIGHT FROM LEVEL GROUND SURFACE TO FIRST PANEL IS 1500mm.

ROAD SIGNS SCHEDULES

Sololo Town _ Uran Centre_A2 Junction Road LVS Traffic Signs					
SIGN NO.	APPROXIMATE CHAINAGE (Km)	LOCATION	TYPE	X' height/ Dimensions of sign (mm)	DESCRIPTION/SKETCH
1	0+000	LHS	I.27	100mm	
2	0+020	LHS	P5	600mm Dia	
3	0+020	RHS	P5	600mm Dia	
4	0+200	RHS	P5	600mm Dia	
5	0+430	LHS		100mm	
6	0+430	LHS		100mm	
7	0+370	LHS	W13B.	750mm	
8	0+490	RHS	W13B.	750mm	
9	0+520	LHS	P5	600mm Dia	
10	0+700	RHS	P5	600mm Dia	

Sololo Town _ Uran Centre_A2 Junction Road LVS Traffic Signs					
SIGN NO.	APPROXIMATE CHAINAGE (Km)	LOCATION	TYPE	X' height/ Dimensions of sign (mm)	DESCRIPTION/SKETCH
11	0+890	LHS	W13B.	750mm	
12	1+010	RHS	W13B.	750mm	
13	1+090	LHS	W13B.	750mm	
14	1+020	LHS	P5	600mm Dia	
15	1+180	RHS	W13B.	750mm	
16	1+200	LHS	P9	600mm Dia	
17	1+200	RHS	P5	600mm Dia	
18	1+400	RHS	W13B.	750mm	
19	2+940	LHS	W13B.	750mm	
20	3+060	RHS	W13B.	750mm	

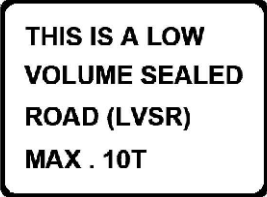
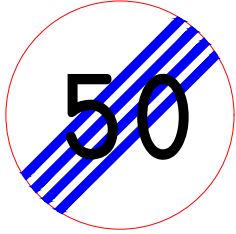
Sololo Town _ Uran Centre_A2 Junction Road LVS Traffic Signs					
SIGN NO.	APPROXIMATE CHAINAGE (Km)	LOCATION	TYPE	X' height/ Dimensions of sign (mm)	DESCRIPTION/SKETCH
21	3+090	LHS	P5	600mm Dia	
22	3+100	RHS	P9	600mm Dia	
23	3+590	LHS	P5	600mm Dia	
24	3+600	RHS	P5	600mm Dia	
25	3+820	LHS	W.12	750mm	
26	3+880	LHS	W.17	750mm	
27	3+880	RHS	W.17	750mm	
28	3+900	LHS	I.27	100mm	
29	3+900	RHS	I.27	100mm	
30	3+940	RHS	W.12	750mm	

Sololo Town _ Uran Centre_A2 Junction Road LVS Traffic Signs					
SIGN NO.	APPROXIMATE CHAINAGE (Km)	LOCATION	TYPE	X' height/ Dimensions of sign (mm)	DESCRIPTION/SKETCH
31	4+090	LHS	P5	600mm Dia	
32	4+100	RHS	P5	600mm Dia	
33	4+140	LHS	W.28C	750mm	
34	4+260	RHS	W.28B	750mm	
35	4+600	RHS	P5	600mm Dia	
36	4+600	LHS	P9	600mm Dia	
37	4+860	LHS	W13B.	750mm	
38	5+000	RHS	W13B.	750mm	
39	5+090	LHS	W13B.	750mm	
40	5+460	RHS	W13B.	750mm	

Sololo Town _ Uran Centre_A2 Junction Road LVS Traffic Signs					
SIGN NO.	APPROXIMATE CHAINAGE (Km)	LOCATION	TYPE	X' height/ Dimensions of sign (mm)	DESCRIPTION/SKETCH
41	7+140	LHS	W13B.	750mm	
42	7+260	RHS	W13B.	750mm	
43	7+800	LHS	P5	600mm Dia	
44	7+800	RHS	P9	600mm Dia	
45	8+300	LHS	P5	600mm Dia	
46	8+300	RHS	P5	600mm Dia	
47	8+800	LHS	P5	600mm Dia	
48	8+800	RHS	P5	600mm Dia	
49	9+300	RHS	P5	600mm Dia	
50	9+300	LHS	P5	600mm Dia	

Sololo Town _ Uran Centre_A2 Junction Road LVS Traffic Signs					
SIGN NO.	APPROXIMATE CHAINAGE (Km)	LOCATION	TYPE	X' height/ Dimensions of sign (mm)	DESCRIPTION/SKETCH
51	9+340	LHS	W13B.	750mm	
52	9+460	RHS	W13B.	750mm	
53	9+800	LHS	P9	600mm Dia	
54	9+800	RHS	P5	600mm Dia	
55	13+700	LHS	P5	600mm Dia	
56	13+700	RHS	P5	600mm Dia	
57	13+830	RHS	P5	600mm Dia	
58	14+200	LHS	P5	600mm Dia	
59	14+330	RHS	P5	600mm Dia	
60	14+400	LHS	I.27	100mm	

Sololo Town _ Uran Centre_A2 Junction Road LVS Traffic Signs

SIGN NO.	APPROXIMATE CHAINAGE (Km)	LOCATION	TYPE	X' height/ Dimensions of sign (mm)	
61	14+640	LHS	I.31	100mm	
62	14+760	RHS	I.31	100mm	
63	14+800	RHS		100mm	
64	14+800	RHS		100mm	
65	14+830	RHS	P5	600mm Dia	
66	14+830	LHS	P9	600mm Dia	

MISCELLANEOUS DRAWINGS

LIST OF SURVEY CONTROL POINTS

PRIMARY CONTROL POINTS			
POINT ID	EASTINGS (m)	NORTHINGS (m)	ELEVATION
SOL 06	393829.900	460028. 200	688.9
SOL 05	393866.200	459933.900	691.96
SOL 04	393936.400	460018.100	688.2
GPS 01	393926.544	460502.920	673.076
GPS02	393960.352	460471.346	674.142
GPS 03	396564.925	459160.440	680.851
GPS 04	396636.268	458929.723	683.576
GPS 05	397907.695	456556.632	692.221
GPS 06	397887.433	456411.668	692.427
GPS 07	397409.375	454243.275	701.884
GPS 08	397440.424	454197.909	702.941
GPS 09	398489.269	451234.376	727.633
GPS 10	398669.786	451128.145	731.774
GPS11	399541.850	449535.970	723.406
GPS 12	399626.133	449520.504	724.356
GPS 13	399264.725	449541.900	722.297
GPS 10	398669.786	451128.145	731.774
GPS11	399541.850	449535.970	723.406
GPS 12	399626.133	449520.504	724.356
GPS 13	399264.725	449541.900	722.297

LIST OF SURVEY CONTROL POINTS

PRIMARY CONTROL POINTS			
POINT ID	EASTINGS (m)	NORTHINGS (m)	ELEVATION
SU 01	394278.155	460506.410	671.965
SU 02	394574.077	460442.829	672.647
SU 03	394790.916	460199.275	673.306
SU 04	395042.701	459992.958	674.098
SU 05	395321.968	459870.463	675.659
SU 06	395582.950	459676.650	676.068
SU 07	395854.708	459499.324	676.703
SU 08	396125.637	459391.575	678.079
SU 09	396421.036	459335.568	679.754
SU 10	396875.126	458711.423	685.844
SU 11	397119.001	458530.124	689.614
SU 12	397347.271	458358.378	682.597
SU 13	397538.322	458025.479	684.109
SU 14	397671.998	457668.650	686.083
SU 15	397815.263	457343.232	690.732
SU 16	397919.689	457016.357	689.184
SU 17	397945.400	456691.200	691.702
SU 18	397779.677	455862.738	696.275
SU 19	397717.888	455475.793	697.092
SU 20	397872.797	455246.449	699.593
SU 21	398061.577	454884.586	701.983
SU 22	397982.660	454669.421	702.704
SU 23	397710.926	454444.003	702.891
SU 24	397450.907	453905.285	702.819
SU 25	397443.381	453572.010	702.813
SU 26	397467.512	453270.210	700.761
SU 27	397415.135	452930.704	701.304
SU 28	397393.357	452664.683	704.406
SU 29	397491.792	452330.432	708.421
SU 30	397604.425	452082.809	711.744
SU 31	397786.947	451801.712	714.795
SU 32	397979.787	451528.854	716.862
SU 33	398239.060	451395.047	721.827
SU 34	398920.459	450956.148	740.197
SU 35	399126.609	450736.864	750.389
SU 36	399367.457	450502.602	741.816
SU 37	399376.318	450225.785	730.683
SU 38	399472.950	449852.208	723.906

SETTING OUT DATA			
SOLOLO TOWN-URAN-A2 JUNCTION			
Station	Northing	Easting	Tangential Direction
0+000.00	393,949.6427m	460,493.8897m	N8° 54' 54"E
0+020.00	393,969.4011m	460,496.9890m	N8° 54' 54"E
0+040.00	393,989.1594m	460,500.0884m	N8° 54' 54"E
0+060.00	394,008.9178m	460,503.1878m	N8° 54' 54"E
0+080.00	394,028.6762m	460,506.2871m	N8° 54' 54"E
0+100.00	394,048.4346m	460,509.3865m	N8° 54' 54"E
0+120.00	394,068.1930m	460,512.4859m	N8° 54' 54"E
0+140.00	394,087.9514m	460,515.5852m	N8° 54' 54"E
0+160.00	394,107.7098m	460,518.6846m	N8° 54' 54"E
0+180.00	394,127.4682m	460,521.7840m	N8° 54' 54"E
0+200.00	394,147.2266m	460,524.8833m	N8° 54' 54"E
0+220.00	394,166.9850m	460,527.9827m	N8° 54' 54"E
0+240.00	394,186.8824m	460,529.7416m	N0° 03' 24"W
0+260.00	394,206.7706m	460,527.9087m	N10° 28' 27"W
0+280.00	394,225.9996m	460,522.5099m	N20° 53' 30"W
0+300.00	394,244.3788m	460,514.8788m	N0° 55' 12"W
0+320.00	394,264.3762m	460,514.5577m	N0° 55' 12"W
0+340.00	394,284.3736m	460,514.2365m	N0° 55' 12"W
0+360.00	394,304.3710m	460,513.9153m	N0° 55' 12"W
0+380.00	394,324.3685m	460,513.5942m	N0° 55' 12"W
0+400.00	394,344.3659m	460,513.2730m	N0° 55' 12"W
0+420.00	394,364.3599m	460,512.8351m	N3° 06' 33"W
0+440.00	394,384.2108m	460,510.5066m	N10° 16' 16"W
0+460.00	394,403.6807m	460,505.9555m	N14° 16' 36"W
0+480.00	394,423.0630m	460,501.0234m	N14° 16' 36"W
0+500.00	394,442.4454m	460,496.0914m	N14° 16' 36"W
0+520.00	394,461.8277m	460,491.1593m	N14° 16' 36"W
0+540.00	394,481.1003m	460,485.8315m	N17° 56' 55"W
0+560.00	394,499.7873m	460,478.7279m	N23° 40' 41"W
0+580.00	394,517.6724m	460,469.7953m	N29° 12' 48"W
0+600.00	394,535.1286m	460,460.0340m	N29° 12' 48"W
0+620.00	394,552.5848m	460,450.2728m	N29° 12' 48"W
0+640.00	394,570.0409m	460,440.5115m	N29° 12' 48"W
0+660.00	394,587.4260m	460,430.6259m	N30° 49' 46"W
0+680.00	394,604.3065m	460,419.9045m	N34° 00' 46"W
0+700.00	394,620.5655m	460,408.2624m	N37° 11' 45"W
0+720.00	394,636.1531m	460,395.7353m	N40° 22' 44"W
0+740.00	394,651.0210m	460,382.3621m	N43° 33' 43"W
0+760.00	394,665.1233m	460,368.1840m	N46° 44' 42"W
0+780.00	394,678.6550m	460,353.4569m	N47° 30' 56"W
0+800.00	394,692.1628m	460,338.7076m	N47° 30' 56"W
0+820.00	394,705.6706m	460,323.9584m	N47° 30' 56"W
0+840.00	394,719.1733m	460,309.2045m	N47° 47' 26"W
0+860.00	394,732.3608m	460,294.1695m	N49° 42' 01"W
0+880.00	394,745.0399m	460,278.7033m	N51° 36' 37"W
0+900.00	394,757.1965m	460,262.8231m	N53° 31' 12"W
0+920.00	394,768.8171m	460,246.5466m	N55° 25' 48"W
0+940.00	394,779.8889m	460,229.8919m	N57° 20' 23"W
0+960.00	394,790.3994m	460,212.8774m	N59° 14' 59"W

SETTING OUT DATA			
SOLOLO TOWN-URAN-A2 JUNCTION			
Station	Northing	Easting	Tangential Direction
0+980.00	394,799.4217m	460,195.5207m	N57° 15' 37"W
1+000.00	394,810.2382m	460,178.6980m	N57° 15' 37"W
1+020.00	394,821.0307m	460,161.8600m	N57° 58' 48"W
1+040.00	394,831.1586m	460,144.6170m	N61° 09' 47"W
1+060.00	394,840.3135m	460,126.8382m	N64° 20' 46"W
1+080.00	394,848.8284m	460,108.7413m	N64° 50' 26"W
1+100.00	394,858.1157m	460,091.0639m	N54° 57' 18"W
1+120.00	394,872.0924m	460,076.8878m	N35° 51' 24"W
1+140.00	394,889.8044m	460,067.7170m	N23° 08' 47"W
1+160.00	394,908.1944m	460,059.8554m	N23° 08' 47"W
1+180.00	394,926.5845m	460,051.9937m	N23° 08' 47"W
1+200.00	394,944.9042m	460,043.9730m	N25° 14' 32"W
1+220.00	394,962.7287m	460,034.9056m	N27° 35' 08"W
1+240.00	394,980.4611m	460,025.6557m	N26° 55' 56"W
1+260.00	394,998.7148m	460,017.5029m	N21° 12' 09"W
1+280.00	395,017.6242m	460,010.9977m	N18° 11' 41"W
1+300.00	395,036.6242m	460,004.7528m	N18° 11' 41"W
1+320.00	395,055.6243m	459,998.5078m	N18° 11' 41"W
1+340.00	395,074.5597m	459,992.0725m	N19° 49' 10"W
1+360.00	395,093.2344m	459,984.9168m	N22° 06' 41"W
1+380.00	395,111.6080m	459,977.0202m	N24° 24' 12"W
1+400.00	395,129.6511m	459,968.3950m	N26° 41' 42"W
1+420.00	395,147.5090m	459,959.3897m	N26° 45' 42"W
1+440.00	395,165.3667m	459,950.3841m	N26° 45' 42"W
1+460.00	395,183.2245m	459,941.3785m	N26° 45' 42"W
1+480.00	395,201.0822m	459,932.3729m	N26° 45' 42"W
1+500.00	395,218.9399m	459,923.3673m	N26° 45' 42"W
1+520.00	395,236.7977m	459,914.3617m	N26° 45' 42"W
1+540.00	395,254.6215m	459,905.2896m	N27° 39' 55"W
1+560.00	395,272.1770m	459,895.7101m	N29° 34' 30"W
1+580.00	395,289.4071m	459,885.5568m	N31° 12' 29"W
1+600.00	395,306.5129m	459,875.1938m	N31° 12' 29"W
1+620.00	395,323.6187m	459,864.8308m	N31° 12' 29"W
1+640.00	395,340.7246m	459,854.4679m	N31° 12' 29"W
1+660.00	395,357.8304m	459,844.1049m	N31° 12' 29"W
1+680.00	395,374.9362m	459,833.7420m	N31° 12' 29"W
1+700.00	395,392.0420m	459,823.3790m	N31° 12' 29"W
1+720.00	395,409.0849m	459,812.9152m	N33° 25' 00"W
1+740.00	395,425.0505m	459,800.8906m	N40° 09' 33"W
1+760.00	395,440.3356m	459,787.9923m	N40° 09' 33"W
1+780.00	395,455.6207m	459,775.0941m	N40° 09' 33"W
1+800.00	395,470.9058m	459,762.1958m	N40° 09' 33"W
1+820.00	395,486.7522m	459,750.0127m	N34° 03' 02"W
1+840.00	395,503.9789m	459,739.8777m	N26° 53' 19"W
1+860.00	395,521.9746m	459,731.1513m	N25° 47' 04"W
1+880.00	395,539.9564m	459,722.3972m	N27° 21' 45"W
1+900.00	395,557.0988m	459,712.1200m	N34° 31' 28"W
1+920.00	395,573.1804m	459,700.2319m	N36° 51' 04"W
1+940.00	395,589.1844m	459,688.2372m	N36° 51' 04"W

SETTING OUT DATA			
SOLOLO TOWN-URAN-A2 JUNCTION			
Station	Northing	Easting	Tangential Direction
1+960.00	395,605.1883m	459,676.2425m	N36° 51' 04"W
1+980.00	395,621.1923m	459,664.2478m	N36° 51' 04"W
2+000.00	395,637.1962m	459,652.2531m	N36° 51' 04"W
2+020.00	395,653.2191m	459,640.2837m	N36° 15' 46"W
2+040.00	395,669.5395m	459,628.7249m	N34° 21' 10"W
2+060.00	395,686.2361m	459,617.7164m	N32° 26' 35"W
2+080.00	395,703.2673m	459,607.2322m	N31° 13' 55"W
2+100.00	395,720.3689m	459,596.8622m	N31° 13' 55"W
2+120.00	395,737.4704m	459,586.4922m	N31° 13' 55"W
2+140.00	395,754.5719m	459,576.1221m	N31° 13' 55"W
2+160.00	395,771.6734m	459,565.7521m	N31° 13' 55"W
2+180.00	395,788.7750m	459,555.3820m	N31° 13' 55"W
2+200.00	395,805.8765m	459,545.0120m	N31° 13' 55"W
2+220.00	395,822.9780m	459,534.6420m	N31° 13' 55"W
2+240.00	395,840.0796m	459,524.2719m	N31° 13' 55"W
2+260.00	395,857.1811m	459,513.9019m	N31° 13' 55"W
2+280.00	395,874.2826m	459,503.5319m	N31° 13' 55"W
2+300.00	395,891.3842m	459,493.1618m	N31° 13' 55"W
2+320.00	395,908.4857m	459,482.7918m	N31° 13' 55"W
2+340.00	395,925.5872m	459,472.4217m	N31° 13' 55"W
2+360.00	395,942.6887m	459,462.0517m	N31° 13' 55"W
2+380.00	395,959.7906m	459,451.6822m	N31° 12' 23"W
2+400.00	395,976.9477m	459,441.4047m	N30° 28' 10"W
2+420.00	395,994.3237m	459,431.5030m	N28° 42' 50"W
2+440.00	396,012.0721m	459,422.2877m	N26° 05' 27"W
2+460.00	396,030.2367m	459,413.9227m	N23° 21' 45"W
2+480.00	396,048.7788m	459,406.4317m	N20° 38' 03"W
2+500.00	396,067.6565m	459,399.8320m	N17° 54' 21"W
2+520.00	396,086.8270m	459,394.1383m	N15° 10' 39"W
2+540.00	396,106.2467m	459,389.3635m	N12° 26' 57"W
2+560.00	396,125.8717m	459,385.5185m	N9° 43' 45"W
2+580.00	396,145.6457m	459,382.5281m	N7° 38' 24"W
2+600.00	396,165.4955m	459,380.0838m	N6° 34' 11"W
2+620.00	396,185.3692m	459,377.8393m	N6° 24' 55"W
2+640.00	396,205.2439m	459,375.6046m	N6° 24' 55"W
2+660.00	396,225.1187m	459,373.3699m	N6° 24' 55"W
2+680.00	396,244.9935m	459,371.1353m	N6° 24' 55"W
2+700.00	396,264.8682m	459,368.9006m	N6° 24' 55"W
2+720.00	396,284.7430m	459,366.6660m	N6° 24' 55"W
2+740.00	396,304.6178m	459,364.4313m	N6° 24' 55"W
2+760.00	396,324.4899m	459,362.1734m	N6° 49' 55"W
2+780.00	396,344.2776m	459,359.2894m	N10° 20' 59"W
2+800.00	396,363.7108m	459,354.6118m	N17° 01' 55"W
2+820.00	396,382.4183m	459,347.5753m	N24° 11' 38"W
2+840.00	396,400.1024m	459,338.2614m	N31° 21' 21"W
2+860.00	396,416.4875m	459,326.8154m	N38° 30' 35"W
2+880.00	396,431.4906m	459,313.6005m	N43° 38' 29"W
2+900.00	396,445.7024m	459,299.5292m	N45° 12' 00"W
2+920.00	396,459.7893m	459,285.3321m	N45° 37' 23"W

SETTING OUT DATA			
SOLOLO TOWN-URAN-A2 JUNCTION			
Station	Northing	Easting	Tangential Direction
2+940.00	396,473.2901m	459,270.5815m	N49° 26' 34"W
2+960.00	396,485.7782m	459,254.9643m	N53° 15' 45"W
2+980.00	396,497.1983m	459,238.5498m	N57° 04' 56"W
3+000.00	396,507.7566m	459,221.5644m	N58° 20' 32"W
3+020.00	396,518.2535m	459,204.5404m	N58° 20' 32"W
3+040.00	396,528.6359m	459,187.4477m	N60° 26' 08"W
3+060.00	396,537.6184m	459,169.5877m	N66° 09' 55"W
3+080.00	396,545.2270m	459,151.0923m	N67° 54' 08"W
3+100.00	396,552.7508m	459,132.5614m	N67° 54' 08"W
3+120.00	396,560.2746m	459,114.0305m	N67° 54' 08"W
3+140.00	396,567.7983m	459,095.4997m	N67° 54' 08"W
3+160.00	396,575.3221m	459,076.9688m	N67° 54' 08"W
3+180.00	396,582.8459m	459,058.4380m	N67° 54' 08"W
3+200.00	396,590.3697m	459,039.9071m	N67° 54' 08"W
3+220.00	396,598.7007m	459,021.7338m	N62° 31' 04"W
3+240.00	396,608.8012m	459,004.4814m	N56° 47' 18"W
3+260.00	396,619.9800m	458,987.8973m	N55° 57' 25"W
3+280.00	396,631.1700m	458,971.3208m	N56° 17' 16"W
3+300.00	396,641.8972m	458,954.4429m	N58° 50' 03"W
3+320.00	396,652.0019m	458,937.1837m	N59° 51' 30"W
3+340.00	396,662.0447m	458,919.8879m	N59° 51' 30"W
3+360.00	396,672.0875m	458,902.5922m	N59° 51' 30"W
3+380.00	396,682.1954m	458,885.3346m	N59° 01' 00"W
3+400.00	396,692.9533m	458,868.4783m	N55° 25' 09"W
3+420.00	396,705.1204m	458,852.6171m	N49° 22' 37"W
3+440.00	396,718.8753m	458,838.1077m	N44° 08' 15"W
3+460.00	396,733.5752m	458,824.5485m	N41° 42' 40"W
3+480.00	396,748.5423m	458,811.2825m	N41° 31' 49"W
3+500.00	396,763.5144m	458,798.0222m	N41° 31' 49"W
3+520.00	396,778.5821m	458,784.8726m	N39° 20' 19"W
3+540.00	396,794.6579m	458,772.9885m	N33° 36' 32"W
3+560.00	396,811.6326m	458,762.4142m	N31° 33' 04"W
3+580.00	396,828.6761m	458,751.9491m	N31° 33' 04"W
3+600.00	396,845.7196m	458,741.4839m	N31° 33' 04"W
3+620.00	396,862.7631m	458,731.0187m	N31° 33' 04"W
3+640.00	396,879.8066m	458,720.5536m	N31° 33' 04"W
3+660.00	396,896.7135m	458,709.8715m	N33° 29' 05"W
3+680.00	396,913.1435m	458,698.4702m	N36° 01' 53"W
3+700.00	396,929.1941m	458,686.5382m	N36° 43' 14"W
3+720.00	396,945.2253m	458,674.5799m	N36° 43' 14"W
3+740.00	396,961.2566m	458,662.6217m	N36° 43' 14"W
3+760.00	396,977.2878m	458,650.6635m	N36° 43' 14"W
3+780.00	396,993.3090m	458,638.6918m	N37° 12' 56"W
3+800.00	397,008.9631m	458,626.2466m	N39° 37' 43"W
3+820.00	397,024.3669m	458,613.4904m	N39° 37' 43"W
3+840.00	397,039.7708m	458,600.7342m	N39° 37' 43"W
3+860.00	397,055.1747m	458,587.9780m	N39° 37' 43"W
3+880.00	397,070.5914m	458,575.2374m	N39° 00' 48"W
3+900.00	397,086.4825m	458,563.0981m	N35° 44' 22"W

SETTING OUT DATA			
SOLOLO TOWN-URAN-A2 JUNCTION			
Station	Northing	Easting	Tangential Direction
3+920.00	397,102.9340m	458,551.7258m	N34° 22' 02"W
3+940.00	397,119.4427m	458,540.4359m	N34° 22' 02"W
3+960.00	397,135.9514m	458,529.1460m	N34° 22' 02"W
3+980.00	397,152.3373m	458,517.6799m	N35° 54' 01"W
4+000.00	397,168.3397m	458,505.6846m	N37° 48' 37"W
4+020.00	397,183.9333m	458,493.1626m	N39° 43' 12"W
4+040.00	397,199.1010m	458,480.1278m	N41° 37' 48"W
4+060.00	397,213.8491m	458,466.6196m	N42° 55' 49"W
4+080.00	397,228.4928m	458,452.9975m	N42° 55' 49"W
4+100.00	397,243.1364m	458,439.3753m	N42° 55' 49"W
4+120.00	397,257.7801m	458,425.7532m	N42° 55' 49"W
4+140.00	397,272.4572m	458,412.1673m	N41° 53' 30"W
4+160.00	397,287.7254m	458,399.2522m	N39° 26' 29"W
4+180.00	397,303.1709m	458,386.5464m	N39° 26' 29"W
4+200.00	397,318.6163m	458,373.8406m	N39° 26' 29"W
4+220.00	397,333.6441m	458,360.6538m	N44° 00' 54"W
4+240.00	397,347.3091m	458,346.0614m	N49° 44' 41"W
4+260.00	397,359.4489m	458,330.1778m	N55° 28' 27"W
4+280.00	397,370.7263m	458,313.6605m	N55° 40' 48"W
4+300.00	397,382.0026m	458,297.1425m	N55° 40' 48"W
4+320.00	397,393.2789m	458,280.6244m	N55° 40' 48"W
4+340.00	397,404.5552m	458,264.1064m	N55° 40' 48"W
4+360.00	397,415.8310m	458,247.5880m	N55° 45' 02"W
4+380.00	397,426.8791m	458,230.9172m	N57° 10' 59"W
4+400.00	397,437.5070m	458,213.9753m	N58° 36' 55"W
4+420.00	397,447.7082m	458,196.7731m	N60° 02' 52"W
4+440.00	397,457.5243m	458,179.3480m	N60° 48' 26"W
4+460.00	397,467.2794m	458,161.8883m	N60° 48' 26"W
4+480.00	397,477.0344m	458,144.4287m	N60° 48' 26"W
4+500.00	397,486.7485m	458,126.9464m	N61° 31' 20"W
4+520.00	397,495.9901m	458,109.2107m	N63° 25' 55"W
4+540.00	397,504.6356m	458,091.1768m	N65° 20' 31"W
4+560.00	397,512.6752m	458,072.8649m	N67° 15' 06"W
4+580.00	397,520.2668m	458,054.3618m	N67° 45' 36"W
4+600.00	397,527.8365m	458,035.8496m	N67° 45' 36"W
4+620.00	397,535.4063m	458,017.3375m	N67° 45' 36"W
4+640.00	397,543.3682m	457,998.9924m	N65° 15' 57"W
4+660.00	397,552.1372m	457,981.0192m	N62° 43' 10"W
4+680.00	397,561.5846m	457,963.3916m	N61° 32' 11"W
4+700.00	397,571.1166m	457,945.8092m	N61° 32' 11"W
4+720.00	397,580.6486m	457,928.2268m	N61° 32' 11"W
4+740.00	397,590.1806m	457,910.6444m	N61° 32' 11"W
4+760.00	397,599.2239m	457,892.8125m	N65° 46' 51"W
4+780.00	397,606.5036m	457,874.1933m	N71° 30' 37"W
4+800.00	397,612.2073m	457,855.0257m	N73° 56' 49"W
4+820.00	397,617.7384m	457,835.8058m	N73° 49' 47"W
4+840.00	397,623.9442m	457,816.7968m	N70° 00' 36"W
4+860.00	397,631.4025m	457,798.2435m	N66° 11' 25"W

SETTING OUT DATA			
SOLOLO TOWN-URAN-A2 JUNCTION			
Station	Northing	Easting	Tangential Direction
4+880.00	397,639.6290m	457,780.0138m	N65° 40' 39"W
4+900.00	397,647.8650m	457,761.7882m	N65° 56' 27"W
4+920.00	397,654.8575m	457,743.0644m	N73° 06' 10"W
4+940.00	397,660.1609m	457,723.7809m	N74° 49' 51"W
4+960.00	397,666.0872m	457,704.6869m	N69° 57' 22"W
4+980.00	397,673.4345m	457,686.0862m	N68° 09' 58"W
5+000.00	397,680.8728m	457,667.5209m	N68° 09' 58"W
5+020.00	397,688.3111m	457,648.9556m	N68° 09' 58"W
5+040.00	397,695.7494m	457,630.3902m	N68° 09' 58"W
5+060.00	397,703.2130m	457,611.8351m	N67° 44' 35"W
5+080.00	397,710.9728m	457,593.4022m	N66° 35' 50"W
5+100.00	397,719.0997m	457,575.1282m	N65° 27' 04"W
5+120.00	397,727.5905m	457,557.0203m	N64° 18' 22"W
5+140.00	397,736.2617m	457,538.9979m	N64° 18' 22"W
5+160.00	397,744.9330m	457,520.9754m	N64° 18' 22"W
5+180.00	397,753.6043m	457,502.9530m	N64° 18' 22"W
5+200.00	397,761.9551m	457,484.7812m	N66° 27' 39"W
5+220.00	397,769.6082m	457,466.3043m	N68° 03' 19"W
5+240.00	397,777.0824m	457,447.7534m	N68° 03' 19"W
5+260.00	397,784.5693m	457,429.2076m	N67° 40' 09"W
5+280.00	397,792.4752m	457,410.8376m	N65° 45' 34"W
5+300.00	397,800.7975m	457,392.6514m	N65° 22' 16"W
5+320.00	397,809.1323m	457,374.4708m	N65° 22' 16"W
5+340.00	397,817.4671m	457,356.2903m	N65° 22' 16"W
5+360.00	397,825.8019m	457,338.1098m	N65° 22' 16"W
5+380.00	397,834.1367m	457,319.9293m	N65° 22' 16"W
5+400.00	397,842.4715m	457,301.7488m	N65° 22' 16"W
5+420.00	397,850.8064m	457,283.5683m	N65° 22' 16"W
5+440.00	397,859.1412m	457,265.3878m	N65° 22' 16"W
5+460.00	397,867.4749m	457,247.2068m	N65° 25' 28"W
5+480.00	397,875.5547m	457,228.9126m	N67° 23' 19"W
5+500.00	397,882.5413m	457,210.1788m	N72° 08' 31"W
5+520.00	397,887.7132m	457,190.8678m	N77° 52' 17"W
5+540.00	397,891.0998m	457,171.1613m	N82° 09' 19"W
5+560.00	397,893.4961m	457,151.3060m	N83° 36' 35"W
5+580.00	397,895.7220m	457,131.4302m	N83° 36' 36"W
5+600.00	397,897.9478m	457,111.5545m	N83° 36' 36"W
5+620.00	397,900.1737m	457,091.6787m	N83° 36' 36"W
5+640.00	397,902.3996m	457,071.8030m	N83° 36' 36"W
5+660.00	397,904.7401m	457,051.9407m	N82° 34' 10"W
5+680.00	397,907.8355m	457,032.1846m	N79° 14' 21"W
5+700.00	397,912.3504m	457,012.7063m	N74° 39' 29"W
5+720.00	397,918.3429m	456,993.6292m	N70° 48' 23"W
5+740.00	397,925.2446m	456,974.8585m	N69° 12' 02"W
5+760.00	397,932.3603m	456,956.1671m	N69° 10' 32"W
5+780.00	397,939.2944m	456,937.4083m	N70° 38' 00"W
5+800.00	397,945.3683m	456,918.3566m	N74° 22' 59"W

SETTING OUT DATA				SETTING OUT DATA			
SOLOLO TOWN-URAN-A2 JUNCTION				SOLOLO TOWN-URAN-A2 JUNCTION			
Station	Northing	Easting	Tangential Direction	Station	Northing	Easting	Tangential Direction
5+820.00	397,949.8266m	456,898.8681m	N79° 57' 39"W	6+760.00	397,808.9775m	455,975.0710m	S74° 26' 58"W
5+840.00	397,952.3233m	456,879.0330m	N85° 41' 26"W	6+780.00	397,803.6158m	455,955.8031m	S74° 26' 58"W
5+860.00	397,952.8274m	456,859.0477m	S88° 34' 48"W	6+800.00	397,798.2541m	455,936.5352m	S74° 26' 58"W
5+880.00	397,951.3749m	456,839.1076m	S83° 22' 33"W	6+820.00	397,792.9970m	455,917.2396m	S76° 33' 27"W
5+900.00	397,948.4773m	456,819.3209m	S80° 20' 38"W	6+840.00	397,789.5739m	455,897.5479m	S83° 43' 10"W
5+920.00	397,944.9290m	456,799.6384m	S79° 34' 04"W	6+860.00	397,788.6325m	455,877.5831m	N89° 07' 07"W
5+940.00	397,941.3101m	456,779.9685m	S79° 48' 29"W	6+880.00	397,789.5657m	455,857.6059m	N87° 01' 02"W
5+960.00	397,938.4297m	456,760.1808m	S83° 37' 40"W	6+900.00	397,790.6042m	455,837.6329m	N87° 04' 55"W
5+980.00	397,936.8739m	456,740.2451m	S87° 26' 51"W	6+920.00	397,791.4509m	455,817.6513m	N88° 19' 52"W
6+000.00	397,936.0055m	456,720.2640m	S87° 30' 43"W	6+940.00	397,791.5851m	455,797.6537m	S88° 52' 11"W
6+020.00	397,935.1372m	456,700.2828m	S87° 30' 43"W	6+960.00	397,790.6196m	455,777.6798m	S85° 35' 44"W
6+040.00	397,934.0008m	456,680.3160m	S85° 47' 51"W	6+980.00	397,788.5149m	455,757.7936m	S82° 19' 17"W
6+060.00	397,932.2031m	456,660.3979m	S83° 53' 16"W	7+000.00	397,785.2779m	455,738.0600m	S79° 02' 51"W
6+080.00	397,929.7425m	456,640.5508m	S81° 58' 40"W	7+020.00	397,780.9193m	455,718.5435m	S75° 47' 07"W
6+100.00	397,926.6778m	456,620.7874m	S80° 51' 20"W	7+040.00	397,775.5787m	455,699.2711m	S73° 30' 08"W
6+120.00	397,923.4994m	456,601.0416m	S80° 51' 20"W	7+060.00	397,769.7393m	455,680.1427m	S72° 48' 27"W
6+140.00	397,920.3209m	456,581.2957m	S80° 51' 20"W	7+080.00	397,763.8276m	455,661.0364m	S72° 48' 27"W
6+160.00	397,917.1425m	456,561.5499m	S80° 51' 20"W	7+100.00	397,757.9159m	455,641.9301m	S72° 48' 27"W
6+180.00	397,913.9640m	456,541.8041m	S80° 51' 20"W	7+120.00	397,752.0042m	455,622.8238m	S72° 48' 27"W
6+200.00	397,911.0100m	456,522.0246m	S82° 40' 30"W	7+140.00	397,746.7767m	455,603.5244m	S77° 07' 44"W
6+220.00	397,908.9016m	456,502.1377m	S85° 13' 17"W	7+160.00	397,743.0485m	455,583.8788m	S80° 28' 42"W
6+240.00	397,907.6659m	456,482.1773m	S87° 19' 57"W	7+180.00	397,739.7401m	455,564.1543m	S80° 28' 42"W
6+260.00	397,906.7351m	456,462.1990m	S87° 19' 57"W	7+200.00	397,736.4316m	455,544.4299m	S80° 28' 42"W
6+280.00	397,905.5900m	456,442.2332m	S85° 19' 33"W	7+220.00	397,733.1233m	455,524.7054m	S80° 31' 24"W
6+300.00	397,903.3917m	456,422.3571m	S82° 03' 06"W	7+240.00	397,730.5374m	455,504.8776m	S84° 36' 57"W
6+320.00	397,900.0618m	456,402.6390m	S78° 46' 39"W	7+260.00	397,729.3732m	455,484.9157m	S88° 42' 30"W
6+340.00	397,895.6454m	456,383.1348m	S76° 18' 58"W	7+280.00	397,729.6365m	455,464.9217m	N87° 11' 57"W
6+360.00	397,891.1080m	456,363.6586m	S79° 10' 22"W	7+300.00	397,731.3261m	455,444.9975m	N83° 06' 23"W
6+380.00	397,888.5870m	456,343.8313m	S86° 20' 05"W	7+320.00	397,734.4334m	455,425.2447m	N79° 00' 50"W
6+400.00	397,888.2802m	456,323.8383m	N89° 52' 38"W	7+340.00	397,738.9425m	455,405.7639m	N74° 55' 17"W
6+420.00	397,888.3231m	456,303.8383m	N89° 52' 38"W	7+360.00	397,744.8303m	455,386.6547m	N70° 49' 44"W
6+440.00	397,888.3050m	456,283.8385m	S89° 26' 33"W	7+380.00	397,752.0669m	455,368.0144m	N66° 44' 11"W
6+460.00	397,887.6691m	456,263.8508m	S86° 31' 51"W	7+400.00	397,760.6154m	455,349.9381m	N62° 38' 37"W
6+480.00	397,885.6814m	456,243.9551m	S82° 00' 27"W	7+420.00	397,770.4322m	455,332.5179m	N58° 33' 04"W
6+500.00	397,882.1117m	456,224.2816m	S77° 25' 26"W	7+440.00	397,781.2756m	455,315.7137m	N56° 47' 10"W
6+520.00	397,876.9867m	456,204.9548m	S72° 58' 48"W	7+460.00	397,792.5525m	455,299.2024m	N52° 47' 00"W
6+540.00	397,870.6312m	456,185.9933m	S70° 20' 32"W	7+480.00	397,805.6117m	455,284.0718m	N45° 37' 17"W
6+560.00	397,863.7784m	456,167.2041m	S69° 51' 24"W	7+500.00	397,820.4555m	455,270.6874m	N38° 27' 34"W
6+580.00	397,856.8909m	456,148.4274m	S69° 51' 24"W	7+520.00	397,836.6582m	455,258.9685m	N35° 04' 48"W
6+600.00	397,850.0035m	456,129.6507m	S69° 51' 24"W	7+540.00	397,853.0252m	455,247.4741m	N35° 04' 48"W
6+620.00	397,843.7426m	456,110.6598m	S73° 39' 49"W	7+560.00	397,869.3296m	455,235.8918m	N36° 14' 07"W
6+640.00	397,838.7408m	456,091.2987m	S76° 48' 47"W	7+580.00	397,885.0271m	455,223.5077m	N40° 54' 09"W
6+660.00	397,834.1782m	456,071.8261m	S76° 48' 47"W	7+600.00	397,899.3027m	455,209.5188m	N47° 59' 43"W
6+680.00	397,829.6156m	456,052.3535m	S76° 48' 47"W	7+620.00	397,911.7241m	455,193.8603m	N55° 09' 26"W
6+700.00	397,824.9342m	456,032.9095m	S75° 39' 24"W	7+640.00	397,922.1045m	455,176.7797m	N62° 05' 33"W
6+720.00	397,819.7010m	456,013.6068m	S74° 26' 58"W	7+660.00	397,930.7319m	455,158.7410m	N66° 11' 23"W
6+740.00	397,814.3393m	455,994.3389m	S74° 26' 58"W	7+680.00	397,938.6193m	455,140.3621m	N66° 55' 58"W

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SETTING OUT DATA			
SOLOLO TOWN-URAN-A2 JUNCTION			
Station	Northing	Easting	Tangential Direction
7+700.00	397,946.4556m	455,121.9612m	N66° 55' 58"W
7+720.00	397,954.2918m	455,103.5603m	N66° 55' 58"W
7+740.00	397,962.1281m	455,085.1594m	N66° 55' 58"W
7+760.00	397,969.9643m	455,066.7585m	N66° 55' 58"W
7+780.00	397,977.8107m	455,048.3620m	N66° 39' 50"W
7+800.00	397,985.9163m	455,030.0785m	N65° 31' 04"W
7+820.00	397,994.3860m	455,011.9608m	N64° 22' 19"W
7+840.00	398,003.1623m	454,993.9893m	N63° 51' 19"W
7+860.00	398,011.9751m	454,976.0356m	N63° 51' 19"W
7+880.00	398,020.7879m	454,958.0820m	N63° 51' 19"W
7+900.00	398,029.6007m	454,940.1283m	N63° 51' 19"W
7+920.00	398,038.1713m	454,922.0609m	N66° 49' 10"W
7+940.00	398,045.1123m	454,903.3128m	N72° 32' 56"W
7+960.00	398,050.1470m	454,883.9655m	N78° 16' 43"W
7+980.00	398,053.2250m	454,864.2122m	N84° 00' 29"W
8+000.00	398,054.3156m	454,844.2503m	N89° 44' 16"W
8+020.00	398,054.2336m	454,824.2505m	S89° 44' 30"W
8+040.00	398,053.7747m	454,804.2607m	S85° 51' 04"W
8+060.00	398,051.0864m	454,784.4553m	S78° 41' 21"W
8+080.00	398,045.9498m	454,765.1397m	S71° 31' 38"W
8+100.00	398,038.4451m	454,746.6151m	S64° 21' 54"W
8+120.00	398,028.6895m	454,729.1707m	S57° 12' 11"W
8+140.00	398,017.5749m	454,712.5436m	S56° 09' 49"W
8+160.00	398,006.4384m	454,695.9310m	S56° 09' 49"W
8+180.00	397,995.3019m	454,679.3184m	S56° 09' 49"W
8+200.00	397,984.1654m	454,662.7058m	S56° 09' 49"W
8+220.00	397,972.6274m	454,646.3748m	S52° 34' 28"W
8+240.00	397,959.8508m	454,630.9947m	S47° 59' 27"W
8+260.00	397,945.8860m	454,616.6849m	S43° 24' 26"W
8+280.00	397,930.8227m	454,603.5364m	S38° 57' 05"W
8+300.00	397,915.2691m	454,590.9632m	S38° 57' 05"W
8+320.00	397,899.7155m	454,578.3899m	S38° 57' 05"W
8+340.00	397,884.1619m	454,565.8167m	S38° 57' 05"W
8+360.00	397,868.6083m	454,553.2435m	S38° 57' 05"W
8+380.00	397,853.0547m	454,540.6703m	S38° 57' 05"W
8+400.00	397,837.5011m	454,528.0971m	S38° 57' 05"W
8+420.00	397,821.9475m	454,515.5239m	S38° 57' 05"W
8+440.00	397,806.3939m	454,502.9507m	S38° 57' 05"W
8+460.00	397,790.7799m	454,490.4538m	S37° 09' 47"W
8+480.00	397,774.2645m	454,479.1885m	S31° 26' 01"W
8+500.00	397,756.7583m	454,469.5273m	S27° 37' 54"W
8+520.00	397,739.0657m	454,460.2019m	S28° 32' 14"W
8+540.00	397,721.7136m	454,450.2601m	S31° 05' 01"W
8+560.00	397,704.7123m	454,439.7269m	S31° 55' 00"W
8+580.00	397,687.7359m	454,429.1532m	S31° 55' 00"W
8+600.00	397,670.8185m	454,418.4860m	S32° 46' 06"W
8+620.00	397,654.0566m	454,407.5754m	S33° 06' 45"W

SETTING OUT DATA			
SOLOLO TOWN-URAN-A2 JUNCTION			
Station	Northing	Easting	Tangential Direction
8+640.00	397,637.3046m	454,396.6497m	S33° 06' 45"W
8+660.00	397,620.5527m	454,385.7240m	S33° 06' 45"W
8+680.00	397,603.8007m	454,374.7983m	S33° 06' 45"W
8+700.00	397,587.0311m	454,363.9000m	S32° 11' 18"W
8+720.00	397,569.6976m	454,353.9330m	S27° 46' 07"W
8+740.00	397,552.0040m	454,344.6091m	S28° 17' 21"W
8+760.00	397,535.0301m	454,334.0560m	S35° 27' 04"W
8+780.00	397,519.3911m	454,321.6002m	S39° 56' 47"W
8+800.00	397,504.0582m	454,308.7588m	S39° 56' 47"W
8+820.00	397,488.3894m	454,296.3337m	S36° 46' 43"W
8+840.00	397,472.1982m	454,284.5934m	S35° 48' 00"W
8+860.00	397,457.0736m	454,271.5493m	S45° 58' 54"W
8+880.00	397,444.5562m	454,255.9861m	S56° 23' 57"W
8+900.00	397,435.0592m	454,238.4160m	S66° 49' 00"W
8+920.00	397,428.8958m	454,219.4183m	S77° 14' 03"W
8+940.00	397,426.2691m	454,199.6194m	S87° 39' 05"W
8+960.00	397,427.2601m	454,179.6710m	N82° 30' 50"W
8+980.00	397,429.8658m	454,159.8415m	N82° 30' 50"W
9+000.00	397,432.4716m	454,140.0120m	N82° 30' 50"W
9+020.00	397,435.0774m	454,120.1824m	N82° 30' 50"W
9+040.00	397,437.6831m	454,100.3529m	N82° 30' 50"W
9+060.00	397,440.2889m	454,080.5234m	N82° 30' 50"W
9+080.00	397,443.1816m	454,060.7346m	N80° 43' 58"W
9+100.00	397,446.6535m	454,041.0386m	N79° 45' 02"W
9+120.00	397,450.2122m	454,021.3577m	N79° 45' 02"W
9+140.00	397,453.3579m	454,001.6097m	N82° 46' 36"W
9+160.00	397,455.2096m	453,981.6993m	N86° 35' 47"W
9+180.00	397,455.7410m	453,961.7098m	N89° 56' 42"W
9+200.00	397,455.7601m	453,941.7098m	N89° 56' 42"W
9+220.00	397,455.7793m	453,921.7098m	N89° 56' 42"W
9+240.00	397,455.3779m	453,901.7159m	S87° 25' 38"W
9+260.00	397,453.9812m	453,881.7668m	S84° 33' 45"W
9+280.00	397,451.8132m	453,861.8849m	S83° 37' 22"W
9+300.00	397,449.5916m	453,842.0086m	S83° 37' 22"W
9+320.00	397,447.7036m	453,822.1016m	S86° 56' 18"W
9+340.00	397,447.6349m	453,802.1101m	N87° 19' 55"W
9+360.00	397,449.4296m	453,782.1952m	N83° 41' 54"W
9+380.00	397,451.5907m	453,762.3124m	N84° 18' 42"W
9+400.00	397,453.2410m	453,742.3816m	N86° 13' 17"W
9+420.00	397,454.2262m	453,722.4068m	N88° 07' 53"W
9+440.00	397,454.5451m	453,702.4102m	S89° 57' 32"W
9+460.00	397,454.1975m	453,682.4142m	S88° 02' 56"W
9+480.00	397,453.1835m	453,662.4408m	S86° 08' 21"W
9+500.00	397,451.7551m	453,642.4919m	S85° 53' 15"W
9+520.00	397,450.3208m	453,622.5434m	S85° 53' 15"W
9+540.00	397,448.8865m	453,602.5949m	S85° 53' 15"W
9+560.00	397,447.4523m	453,582.6464m	S85° 53' 15"W

SETTING OUT DATA			
SOLOLO TOWN-URAN-A2 JUNCTION			
Station	Northing	Easting	Tangential Direction
9+580.00	397,446.0180m	453,562.6979m	S85° 53' 15"W
9+600.00	397,444.5499m	453,542.7519m	S85° 16' 40"W
9+620.00	397,442.5716m	453,522.8509m	S83° 22' 05"W
9+640.00	397,439.9975m	453,503.0177m	S82° 18' 52"W
9+660.00	397,437.3228m	453,483.1973m	S82° 18' 52"W
9+680.00	397,434.6481m	453,463.3770m	S82° 18' 52"W
9+700.00	397,432.2540m	453,443.5244m	S85° 43' 09"W
9+720.00	397,432.0098m	453,423.5389m	N87° 07' 08"W
9+740.00	397,434.2174m	453,403.6722m	N81° 16' 35"W
9+760.00	397,437.2507m	453,383.9035m	N81° 16' 35"W
9+780.00	397,440.2841m	453,364.1349m	N81° 16' 35"W
9+800.00	397,443.4210m	453,344.3827m	N80° 26' 49"W
9+820.00	397,446.9373m	453,324.6945m	N79° 18' 03"W
9+840.00	397,450.8165m	453,305.0745m	N78° 36' 14"W
9+860.00	397,454.7682m	453,285.4688m	N78° 36' 14"W
9+880.00	397,458.7200m	453,265.8631m	N78° 36' 14"W
9+900.00	397,462.4344m	453,246.2126m	N80° 59' 55"W
9+920.00	397,464.2566m	453,226.3141m	N89° 16' 25"W
9+940.00	397,462.8586m	453,206.3854m	S81° 30' 31"W
9+960.00	397,458.9825m	453,186.7696m	S77° 11' 50"W
9+980.00	397,454.5185m	453,167.2741m	S77° 05' 50"W
10+000.00	397,450.0525m	453,147.7791m	S77° 05' 50"W
10+020.00	397,445.5865m	453,128.2841m	S77° 05' 50"W
10+040.00	397,441.1205m	453,108.7891m	S77° 05' 50"W
10+060.00	397,436.7662m	453,089.2694m	S78° 23' 20"W
10+080.00	397,433.1774m	453,069.5957m	S80° 56' 07"W
10+100.00	397,430.4663m	453,049.7820m	S83° 28' 55"W
10+120.00	397,428.6382m	453,029.8674m	S86° 01' 42"W
10+140.00	397,427.3315m	453,009.9101m	S86° 15' 54"W
10+160.00	397,426.0287m	452,989.9526m	S86° 15' 54"W
10+180.00	397,424.7260m	452,969.9950m	S86° 15' 54"W
10+200.00	397,423.4232m	452,950.0375m	S86° 15' 54"W
10+220.00	397,422.0143m	452,930.0876m	S85° 11' 10"W
10+240.00	397,420.0267m	452,910.1873m	S83° 46' 31"W
10+260.00	397,417.8581m	452,890.3052m	S83° 46' 31"W
10+280.00	397,415.6895m	452,870.4231m	S83° 46' 31"W
10+300.00	397,413.5209m	452,850.5410m	S83° 46' 31"W
10+320.00	397,411.3523m	452,830.6589m	S83° 46' 31"W
10+340.00	397,409.9087m	452,810.7164m	S88° 08' 48"W
10+360.00	397,409.8412m	452,790.7180m	N89° 40' 34"W
10+380.00	397,409.9543m	452,770.7183m	N89° 40' 34"W
10+400.00	397,410.0674m	452,750.7186m	N89° 40' 34"W
10+420.00	397,410.1805m	452,730.7189m	N89° 40' 34"W
10+440.00	397,410.2314m	452,710.7192m	S89° 29' 57"W
10+460.00	397,409.7233m	452,690.7266m	S87° 35' 21"W
10+480.00	397,408.5492m	452,670.7620m	S85° 40' 46"W
10+500.00	397,406.7104m	452,650.8476m	S83° 46' 10"W

SETTING OUT DATA			
SOLOLO TOWN-URAN-A2 JUNCTION			
Station	Northing	Easting	Tangential Direction
10+520.00	397,404.2397m	452,631.0014m	S82° 26' 36"W
10+540.00	397,401.6096m	452,611.1751m	S82° 26' 36"W
10+560.00	397,399.0231m	452,591.3432m	S83° 12' 43"W
10+580.00	397,397.5720m	452,571.4062m	S89° 31' 26"W
10+600.00	397,399.0693m	452,551.4856m	N80° 55' 38"W
10+620.00	397,403.7225m	452,532.0515m	N72° 59' 24"W
10+640.00	397,410.0577m	452,513.0825m	N71° 00' 44"W
10+660.00	397,416.5650m	452,494.1708m	N71° 00' 44"W
10+680.00	397,423.0724m	452,475.2590m	N71° 00' 44"W
10+700.00	397,429.5797m	452,456.3473m	N71° 00' 44"W
10+720.00	397,436.0871m	452,437.4355m	N71° 00' 44"W
10+740.00	397,442.5945m	452,418.5238m	N71° 00' 44"W
10+760.00	397,449.1018m	452,399.6120m	N71° 00' 44"W
10+780.00	397,455.6446m	452,380.7127m	N70° 06' 21"W
10+800.00	397,463.0719m	452,362.1469m	N66° 17' 10"W
10+820.00	397,471.6685m	452,344.0915m	N63° 35' 05"W
10+840.00	397,480.5660m	452,326.1796m	N63° 35' 05"W
10+860.00	397,489.4635m	452,308.2678m	N63° 35' 05"W
10+880.00	397,498.3610m	452,290.3559m	N63° 35' 05"W
10+900.00	397,507.2585m	452,272.4440m	N63° 35' 05"W
10+920.00	397,516.1560m	452,254.5322m	N63° 35' 05"W
10+940.00	397,525.0535m	452,236.6203m	N63° 35' 05"W
10+960.00	397,533.9509m	452,218.7084m	N63° 36' 40"W
10+980.00	397,542.3886m	452,200.5777m	N66° 28' 34"W
11+000.00	397,549.9470m	452,182.0625m	N68° 31' 45"W
11+020.00	397,557.2676m	452,163.4504m	N68° 31' 45"W
11+040.00	397,564.5881m	452,144.8384m	N68° 31' 45"W
11+060.00	397,571.9087m	452,126.2263m	N68° 31' 45"W
11+080.00	397,579.2293m	452,107.6142m	N68° 31' 45"W
11+100.00	397,586.5498m	452,089.0021m	N68° 31' 45"W
11+120.00	397,593.8704m	452,070.3901m	N68° 31' 45"W
11+140.00	397,601.1910m	452,051.7780m	N68° 31' 45"W
11+160.00	397,608.5115m	452,033.1659m	N68° 31' 45"W
11+180.00	397,615.8321m	452,014.5538m	N68° 31' 45"W
11+200.00	397,623.1563m	451,995.9432m	N68° 07' 39"W
11+220.00	397,631.7462m	451,977.8963m	N60° 57' 56"W
11+240.00	397,642.5191m	451,961.0611m	N53° 48' 13"W
11+260.00	397,655.0823m	451,945.5049m	N50° 08' 15"W
11+280.00	397,667.9013m	451,930.1532m	N50° 08' 15"W
11+300.00	397,680.7202m	451,914.8015m	N50° 08' 15"W
11+320.00	397,693.5392m	451,899.4498m	N50° 08' 15"W
11+340.00	397,706.3582m	451,884.0982m	N50° 08' 15"W
11+360.00	397,719.1772m	451,868.7465m	N50° 08' 15"W
11+380.00	397,731.9961m	451,853.3948m	N50° 08' 15"W
11+400.00	397,744.8151m	451,838.0431m	N50° 08' 15"W
11+420.00	397,757.6341m	451,822.6915m	N50° 08' 15"W
11+440.00	397,770.4298m	451,807.3204m	N50° 34' 59"W

SETTING OUT DATA			
SOLOLO TOWN-URAN-A2 JUNCTION			
Station	Northing	Easting	Tangential Direction
11+460.00	397,782.9736m	451,791.7436m	N51° 43' 45"W
11+480.00	397,795.2671m	451,775.9680m	N52° 08' 53"W
11+500.00	397,807.5395m	451,760.1760m	N52° 08' 53"W
11+520.00	397,819.8120m	451,744.3840m	N52° 08' 53"W
11+540.00	397,832.0251m	451,728.5467m	N53° 32' 52"W
11+560.00	397,843.2524m	451,712.0018m	N58° 07' 53"W
11+580.00	397,853.1381m	451,694.6212m	N62° 00' 45"W
11+600.00	397,862.5237m	451,676.9602m	N62° 00' 45"W
11+620.00	397,871.9198m	451,659.3048m	N61° 45' 23"W
11+640.00	397,881.7398m	451,641.8841m	N58° 53' 43"W
11+660.00	397,892.8680m	451,625.2765m	N53° 06' 34"W
11+680.00	397,905.7367m	451,609.9800m	N46° 45' 09"W
11+700.00	397,920.0662m	451,596.0352m	N42° 13' 02"W
11+720.00	397,935.0977m	451,582.8431m	N40° 50' 46"W
11+740.00	397,950.2271m	451,569.7625m	N40° 50' 46"W
11+760.00	397,965.3565m	451,556.6819m	N40° 50' 46"W
11+780.00	397,980.6117m	451,543.7497m	N39° 09' 40"W
11+800.00	397,996.3947m	451,531.4684m	N36° 36' 53"W
11+820.00	398,012.5737m	451,519.7110m	N35° 54' 29"W
11+840.00	398,028.7729m	451,507.9813m	N35° 54' 29"W
11+860.00	398,044.9721m	451,496.2516m	N35° 54' 29"W
11+880.00	398,061.1712m	451,484.5219m	N35° 54' 29"W
11+900.00	398,077.3719m	451,472.7943m	N35° 38' 57"W
11+920.00	398,094.0726m	451,461.8000m	N31° 03' 56"W
11+940.00	398,111.5290m	451,452.0437m	N28° 27' 38"W
11+960.00	398,129.1119m	451,442.5126m	N28° 27' 38"W
11+980.00	398,146.6948m	451,432.9815m	N28° 27' 38"W
12+000.00	398,164.2777m	451,423.4505m	N28° 27' 38"W
12+020.00	398,181.8606m	451,413.9194m	N28° 27' 38"W
12+040.00	398,199.5824m	451,404.6538m	N25° 54' 00"W
12+060.00	398,217.8513m	451,396.5238m	N22° 04' 49"W
12+080.00	398,236.6213m	451,389.6288m	N18° 15' 38"W
12+100.00	398,255.7541m	451,383.8066m	N16° 32' 09"W
12+120.00	398,274.9270m	451,378.1144m	N16° 32' 09"W
12+140.00	398,294.0998m	451,372.4221m	N16° 32' 09"W
12+160.00	398,313.2727m	451,366.7298m	N16° 32' 09"W
12+180.00	398,332.4455m	451,361.0376m	N16° 32' 09"W
12+200.00	398,351.6142m	451,355.3313m	N16° 50' 24"W
12+220.00	398,370.6137m	451,349.0937m	N20° 06' 25"W
12+240.00	398,388.9874m	451,341.2224m	N26° 39' 01"W
12+260.00	398,406.2561m	451,331.1591m	N33° 48' 44"W
12+280.00	398,422.1545m	451,319.0441m	N40° 29' 11"W
12+300.00	398,436.8893m	451,305.5252m	N43° 59' 17"W
12+320.00	398,451.1954m	451,291.5490m	N44° 23' 49"W
12+340.00	398,465.4855m	451,277.5565m	N44° 23' 49"W
12+360.00	398,479.7757m	451,263.5639m	N44° 23' 49"W
12+380.00	398,494.0659m	451,249.5714m	N44° 23' 49"W

SETTING OUT DATA			
SOLOLO TOWN-URAN-A2 JUNCTION			
Station	Northing	Easting	Tangential Direction
12+400.00	398,508.3561m	451,235.5789m	N44° 23' 49"W
12+420.00	398,522.6462m	451,221.5863m	N44° 23' 49"W
12+440.00	398,536.9364m	451,207.5938m	N44° 23' 49"W
12+460.00	398,551.2266m	451,193.6013m	N44° 23' 49"W
12+480.00	398,565.5564m	451,179.6495m	N43° 38' 36"W
12+500.00	398,580.4429m	451,166.2997m	N39° 31' 47"W
12+520.00	398,596.5836m	451,154.5109m	N32° 35' 19"W
12+540.00	398,614.0086m	451,144.7126m	N26° 39' 42"W
12+560.00	398,632.1090m	451,136.2088m	N24° 15' 52"W
12+580.00	398,650.3491m	451,128.0053m	N24° 12' 47"W
12+600.00	398,668.5897m	451,119.8027m	N24° 12' 47"W
12+620.00	398,686.8302m	451,111.6001m	N24° 12' 47"W
12+640.00	398,705.0708m	451,103.3975m	N24° 12' 47"W
12+660.00	398,723.3113m	451,095.1949m	N24° 12' 47"W
12+680.00	398,741.0779m	451,086.0384m	N30° 49' 32"W
12+700.00	398,757.5682m	451,074.7445m	N37° 59' 15"W
12+720.00	398,773.3102m	451,062.4080m	N38° 05' 07"W
12+740.00	398,789.0520m	451,050.0713m	N38° 05' 07"W
12+760.00	398,804.9953m	451,038.0001m	N35° 23' 04"W
12+780.00	398,821.6748m	451,026.9708m	N31° 33' 53"W
12+800.00	398,839.0519m	451,017.0768m	N27° 50' 04"W
12+820.00	398,856.7378m	451,007.7384m	N27° 50' 04"W
12+840.00	398,874.4238m	450,998.4000m	N27° 50' 04"W
12+860.00	398,892.1098m	450,989.0616m	N27° 50' 04"W
12+880.00	398,909.7958m	450,979.7232m	N27° 50' 04"W
12+900.00	398,927.3500m	450,970.1421m	N29° 50' 32"W
12+920.00	398,944.4711m	450,959.8076m	N32° 23' 19"W
12+940.00	398,961.1162m	450,948.7227m	N34° 56' 06"W
12+960.00	398,977.2739m	450,936.9378m	N36° 45' 33"W
12+980.00	398,993.2971m	450,924.9688m	N36° 45' 33"W
13+000.00	399,009.3203m	450,912.9997m	N36° 45' 33"W
13+020.00	399,025.3376m	450,901.0229m	N36° 57' 30"W
13+040.00	399,041.1360m	450,888.7606m	N39° 03' 34"W
13+060.00	399,056.2116m	450,875.6255m	N43° 27' 10"W
13+080.00	399,070.0210m	450,861.1698m	N49° 10' 28"W
13+100.00	399,082.4042m	450,845.4718m	N53° 54' 48"W
13+120.00	399,093.7802m	450,829.0241m	N56° 21' 57"W
13+140.00	399,104.7701m	450,812.3142m	N56° 44' 18"W
13+160.00	399,115.7393m	450,795.5907m	N56° 44' 18"W
13+180.00	399,126.7135m	450,778.8705m	N56° 36' 40"W
13+200.00	399,137.8891m	450,762.2848m	N55° 10' 43"W
13+220.00	399,149.7000m	450,746.1476m	N52° 09' 17"W
13+240.00	399,162.4878m	450,730.7748m	N48° 20' 06"W
13+260.00	399,176.2713m	450,716.2880m	N44° 30' 55"W
13+280.00	399,190.9892m	450,702.7515m	N40° 41' 46"W
13+300.00	399,206.5146m	450,690.1471m	N37° 42' 45"W
13+320.00	399,222.5113m	450,678.1435m	N36° 19' 14"W

SETTING OUT DATA			
SOLOLO TOWN-URAN-A2 JUNCTION			
Station	Northing	Easting	Tangential Direction
13+340.00	399,238.6458m	450,666.3250m	N36° 12' 32"W
13+360.00	399,254.7832m	450,654.5104m	N36° 12' 32"W
13+380.00	399,270.9186m	450,642.6931m	N36° 19' 15"W
13+400.00	399,286.8128m	450,630.5564m	N39° 00' 23"W
13+420.00	399,301.7075m	450,617.2240m	N45° 09' 41"W
13+440.00	399,314.8878m	450,602.1987m	N52° 19' 24"W
13+460.00	399,326.0921m	450,585.6475m	N59° 29' 07"W
13+480.00	399,335.1455m	450,567.8285m	N66° 37' 56"W
13+500.00	399,342.1628m	450,549.1069m	N71° 40' 36"W
13+520.00	399,348.1077m	450,530.0116m	N73° 09' 17"W
13+540.00	399,353.9035m	450,510.8697m	N73° 09' 17"W
13+560.00	399,359.6992m	450,491.7279m	N73° 09' 17"W
13+580.00	399,365.4950m	450,472.5861m	N73° 09' 17"W
13+600.00	399,371.1910m	450,453.4147m	N74° 16' 53"W
13+620.00	399,375.9269m	450,433.9892m	N78° 54' 46"W
13+640.00	399,378.5626m	450,414.1767m	N85° 59' 54"W
13+660.00	399,378.7824m	450,394.1881m	S87° 43' 48"W
13+680.00	399,377.3902m	450,374.2388m	S84° 53' 00"W
13+700.00	399,375.5577m	450,354.3229m	S84° 43' 39"W
13+720.00	399,373.7199m	450,334.4075m	S84° 43' 39"W
13+740.00	399,371.8820m	450,314.4921m	S84° 43' 39"W
13+760.00	399,370.0442m	450,294.5768m	S84° 43' 39"W
13+780.00	399,368.2063m	450,274.6614m	S84° 43' 39"W
13+800.00	399,366.3685m	450,254.7460m	S84° 43' 39"W
13+820.00	399,364.0135m	450,234.8924m	S80° 06' 15"W
13+840.00	399,359.3794m	450,215.4487m	S73° 57' 17"W
13+860.00	399,353.8535m	450,196.2273m	S74° 02' 17"W
13+880.00	399,348.6847m	450,176.9085m	S76° 36' 04"W
13+900.00	399,344.9988m	450,157.2609m	S82° 44' 43"W
13+920.00	399,343.8935m	450,137.3085m	N89° 04' 42"W
13+940.00	399,345.6400m	450,117.4020m	N80° 53' 36"W
13+960.00	399,350.2029m	450,097.9469m	N72° 42' 30"W
13+980.00	399,357.4690m	450,079.3305m	N64° 55' 26"W
14+000.00	399,366.7710m	450,061.6317m	N60° 13' 23"W
14+020.00	399,376.9634m	450,044.4242m	N59° 02' 26"W
14+040.00	399,387.2520m	450,027.2735m	N59° 02' 26"W
14+060.00	399,397.5407m	450,010.1229m	N59° 02' 26"W
14+080.00	399,407.8293m	449,992.9723m	N59° 02' 26"W
14+100.00	399,418.1180m	449,975.8217m	N59° 02' 26"W
14+120.00	399,428.4066m	449,958.6710m	N59° 02' 26"W
14+140.00	399,438.6952m	449,941.5204m	N59° 02' 26"W
14+160.00	399,448.7750m	449,924.2476m	N60° 55' 10"W
14+180.00	399,458.1042m	449,906.5586m	N63° 27' 58"W
14+200.00	399,466.6382m	449,888.4726m	N66° 00' 45"W
14+220.00	399,474.3603m	449,870.0252m	N68° 33' 32"W
14+240.00	399,481.2551m	449,851.2530m	N71° 06' 20"W
14+260.00	399,487.6482m	449,832.3023m	N71° 22' 20"W

SETTING OUT DATA			
SOLOLO TOWN-URAN-A2 JUNCTION			
Station	Northing	Easting	Tangential Direction
14+280.00	399,494.0989m	449,813.3715m	N70° 23' 30"W
14+300.00	399,501.2271m	449,794.6866m	N67° 50' 43"W
14+320.00	399,509.1155m	449,776.3089m	N66° 18' 03"W
14+340.00	399,517.1541m	449,757.9955m	N66° 18' 03"W
14+360.00	399,525.1928m	449,739.6821m	N66° 18' 03"W
14+380.00	399,533.1712m	449,721.3429m	N67° 41' 59"W
14+400.00	399,539.9094m	449,702.5195m	N72° 54' 30"W
14+420.00	399,544.9110m	449,683.1621m	N78° 07' 02"W
14+440.00	399,548.1707m	449,663.4352m	N82° 16' 55"W
14+460.00	399,550.8095m	449,643.6103m	N83° 18' 12"W
14+480.00	399,552.4782m	449,623.6838m	N87° 07' 22"W
14+500.00	399,553.1347m	449,603.6949m	N88° 18' 01"W
14+520.00	399,553.7279m	449,583.7037m	N88° 18' 01"W
14+540.00	399,553.8429m	449,563.7081m	S88° 09' 19"W
14+560.00	399,552.4373m	449,543.7618m	S84° 33' 21"W
14+580.00	399,549.1980m	449,525.2367m	S3° 38' 27"W
14+600.00	399,529.2384m	449,523.9667m	S3° 38' 27"W
14+620.00	399,509.2680m	449,524.0994m	S5° 57' 35"E
14+640.00	399,489.4574m	449,526.8405m	S8° 04' 21"E
14+660.00	399,469.6556m	449,529.6490m	S8° 04' 21"E
14+680.00	399,449.7919m	449,531.9505m	S4° 43' 44"E
14+700.00	399,429.8268m	449,533.1138m	S2° 53' 38"E
14+720.00	399,409.8523m	449,534.1236m	S2° 53' 38"E
14+740.00	399,389.8778m	449,535.1333m	S2° 53' 38"E
14+760.00	399,369.9033m	449,536.1430m	S2° 53' 38"E
14+780.00	399,349.9271m	449,537.1132m	S1° 57' 49"E
14+800.00	399,329.9303m	449,537.1519m	S1° 11' 45"W
14+820.00	399,309.9346m	449,536.7345m	S1° 11' 45"W
14+840.00	399,289.9390m	449,536.3171m	S1° 11' 45"W
14+853.66	399,276.2820m	449,536.0320m	S1° 11' 45"W