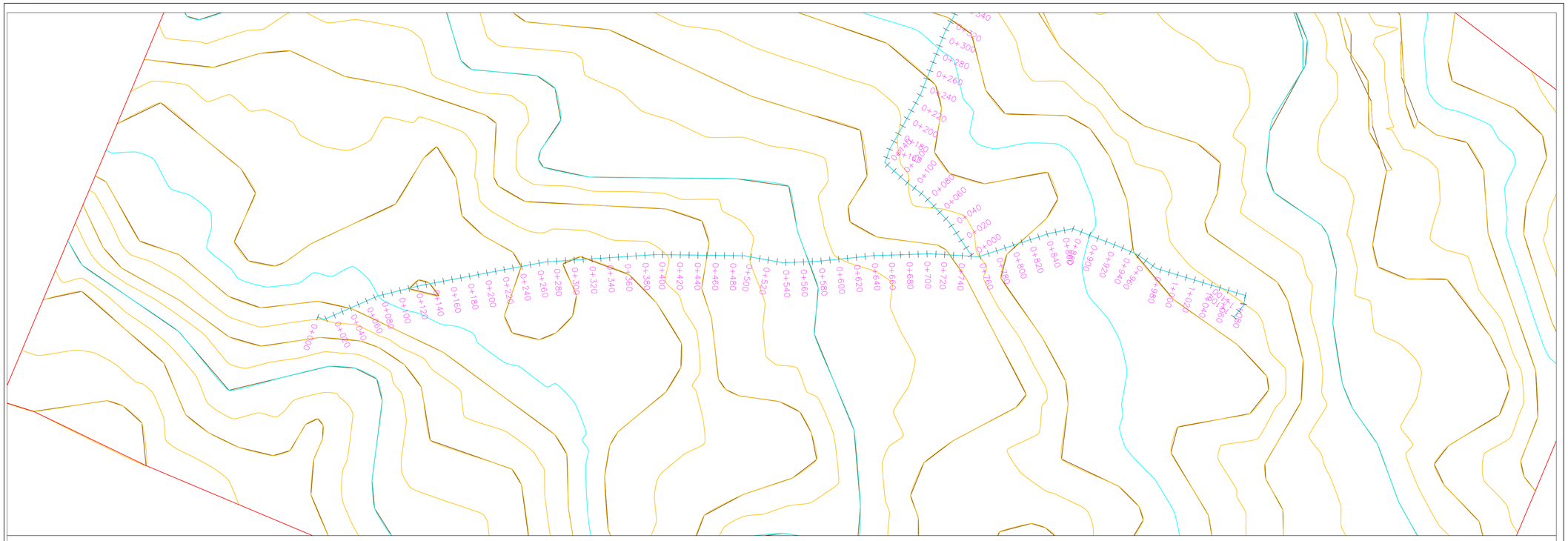

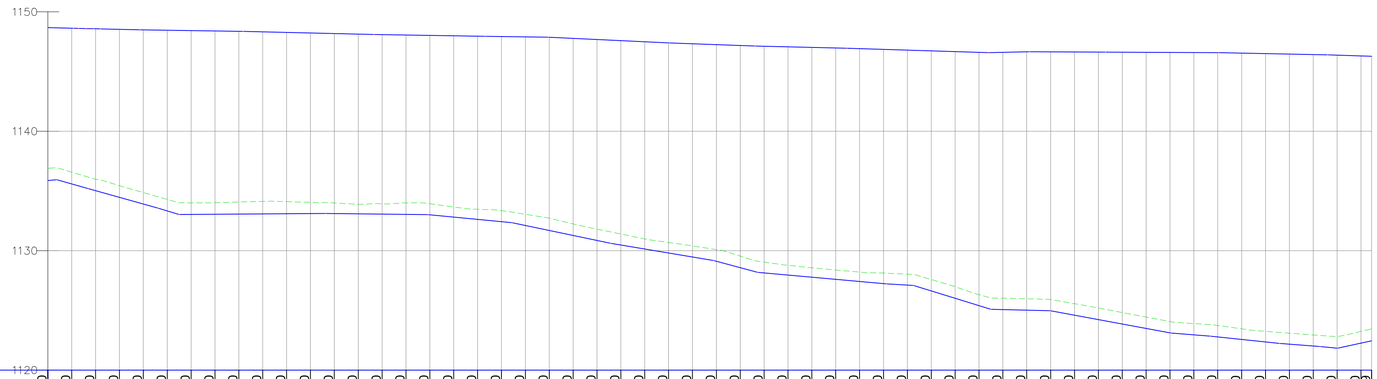

CHAINAGES (M)	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580	0+600	0+620	0+640	0+660	0+680	0+700	0+720	0+740	0+760	0+780	0+800	0+820	0+840	0+860	0+880	0+900	0+920	0+940	0+960	0+980	1+000	1+020	1+040	1+060	1+080	1+100	1+109
GROUND LEVEL	1136.88	1136.57	1135.98	1135.45	1134.86	1134.29	1134.00	1134.02	1134.07	1134.12	1134.10	1134.05	1134.00	1133.88	1133.92	1134.00	1133.93	1133.66	1133.47	1133.35	1133.05	1132.72	1132.24	1131.80	1131.39	1130.99	1130.68	1130.40	1130.09	1129.54	1129.04	1128.77	1128.56	1128.38	1128.20	1128.12	1128.04	1127.58	1126.99	1126.32	1126.01	1125.97	1125.90	1125.56	1125.20	1124.82	1124.44	1124.06	1123.89	1123.73	1123.45	1123.24	1123.09	1122.94	1122.79	1123.24	1123.45
INVERT LEVELS (Masl)	1135.88	1135.59	1135.02	1134.46	1133.90	1133.33	1133.04	1133.05	1133.06	1133.08	1133.09	1133.10	1133.10	1133.08	1133.06	1133.04	1133.00	1132.81	1132.62	1132.43	1132.11	1131.69	1131.27	1130.85	1130.47	1130.14	1129.80	1129.47	1129.11	1128.57	1128.13	1127.95	1127.77	1127.60	1127.42	1127.24	1127.12	1126.63	1126.01	1125.40	1125.07	1125.02	1124.96	1124.59	1124.22	1123.85	1123.49	1123.12	1122.95	1122.78	1122.57	1122.36	1122.17	1122.02	1121.83	1122.25	1122.45
TRENCH DEPTH (M)	1.00	0.99	0.96	0.98	0.96	0.97	0.96	0.97	1.01	1.05	1.01	0.94	0.89	0.80	0.86	0.96	0.93	0.85	0.85	0.92	0.94	1.03	0.97	0.95	0.92	0.85	0.88	0.93	0.98	0.97	0.91	0.82	0.79	0.79	0.78	0.88	0.92	0.95	0.97	0.92	0.95	0.95	0.94	0.97	0.97	0.96	0.95	0.95	0.94	0.96	0.89	0.89	0.92	0.93	0.96	0.98	1.00
HGL masl	1148.67	1148.62	1148.58	1148.53	1148.49	1148.46	1148.43	1148.40	1148.37	1148.32	1148.27	1148.23	1148.18	1148.13	1148.09	1148.06	1148.03	1148.00	1147.96	1147.93	1147.91	1147.88	1147.78	1147.69	1147.59	1147.50	1147.40	1147.33	1147.26	1147.18	1147.12	1147.07	1147.02	1146.97	1146.92	1146.86	1146.79	1146.73	1146.67	1146.61	1146.61	1146.65	1146.65	1146.64	1146.62	1146.62	1146.61	1146.60	1146.59	1146.58	1146.54	1146.50	1146.46	1146.42	1146.37	1146.31	1146.28
PIPE DETAILS	DN 63 HDPE PIPE																													DN 50 HDPE PIPE														DN 32 HDPE PIPE															DN 25 HDPE PIPE		
FLOWRATES	0.00104–0.00087M3/S																													0.00081–0.00064M3/S														0.00023–0.00017M3/S															0.00012M3/S		

NOTES:

1. ALL DIMENSIONS AND CONDITIONS MUST BE CHECKED ON SITE AND ANY DISCREPANCIES REFERRED TO THE ENGINEER.
2. DEPTH OF FOUNDATION TO BE DETERMINED ON SITE. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
3. ALL FOUNDATIONS TO BE TAKEN DOWN TO FIRM BEARING STRATA TO ENGINEER'S APPROVAL.
4. PROVIDE ANTI-TERMITE TREATMENT UNDER THE SLAB.
5. THE CONCRETE USED SHALL BE OF CLASS 20/20 (1:2:4) QUALITY CONTROLLED AND MECHANICALLY VIBRATED IN ACCORDANCE WITH THE SPECIFICATIONS AND TO STRUCTURAL ENGINEER'S APPROVAL.
6. CEMENT FOR STRUCTURAL CONCRETE SHALL NOT BE LESS THAN GRADE 32.5 N/mm2.
7. ALL LOAD BEARING WALLS TO BE 200mm THICK NATURAL STONE/CONCRETE BLOCKS. MINIMUM CRUSHING STRENGTH 10 N/mm2.
8. TYPICAL COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
   (i) FOUNDATIONS - 50mm
   (ii) COLUMNS - 40mm
   (iii) BEAMS - 25mm
9. MASS CONCRETE TO BE GRADE 15(1:3:6 MIX)
10. ALL FILLET WELDS NOT LESS THAN 6mm
11. ALL GUSSET PLATES 6mm THICK
12. ALL STEEL WORKS SHALL BE OF GRADE S275.
13. UNIT WEIGHT OF STEEL SECTIONS
    a) 100x100x3 SHS - 9.14Kg/m
    b) 60x60x3 SHS - 5.37Kg/m
    c) 60x40x3 RHS - 4.43Kg/m
    d) 40x40x3 SHS - 3.48Kg/m

PROGRAMME:

LIVESTOCK MARKET SYSTEMS (LMS)
A USAID funded program implemented
by ACDI/VOCA
Denis Pritt Road,
P.O. Box 1308-00606,
Sarit Centre, Nairobi, KENYA

APPROVAL:

COUNTY PUBLIC HEALTH OFFICER - ISIOLO

signature: .....

COUNTY WORKS OFFICER - ISIOLO

signature: .....

PROJECT DESCRIPTION :

PROPOSED BULA PESA KITCHEN FARMING PROJECT - ISIOLO

DRAWING TITTLE:

PLAN & PROFILE PLAN - DETAILS AND SECTIONS

CONSULTANT:

DESIGNED BY: C. KIRUI	DRAWN BY: C. KIRUI
CHECKED BY: N. BOSUBEN	DATE: JANUARY 2022
SCALE: AS SHOWN	SHEET No: 1/1
DRG No. 03	REV.