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SEPW1	To be built in conjunction with SEDE1, SEP1.2, SEP1.3, SEC5b, SEP11.1, SEP15, SER61a. CUT - Cut a trench between SEDE1 and SER6a via 4x 90o returns. The trench will be a minimum of 600mm wide to allow the placement of 2x 160mm pipes 'side-by-side' with a 200mm space inbetween and the invert will be 1.7m AOD. PIPE - Supply & install 2x 102.1m x 160mm pipes, 4x 90o bends + 4x 1000mm vertical pipes and 8x 90o swept bends to connect SEDE1 with SER6a. The pipes are buried (except where they emerge in SEDE1 & SER6a) with an invert of 1.7m AOD throughout. To be installed with 200mm spacing between the pipes and verticals to be fitted to both ends. Using a centre line between the two pipes as a datum for dimensions, the pipes are set 21m to the east of SEP1.2.1b and deflect at 90o south from SEDE1 for 9.6m to the centre of SEP1.3.1a (2.5m south of the northern edge of SEP1.3.1a's crest). Deflecting at 90o to the west, the pipes continue for 31.8m into SEP1.2.1a where they deflect southwards at 90o for 34.7m to pass through the centre of SEC5b into SEP11.1. A third deflection of 90o to the east for 20m takes the pipes into SEP15.1 where the fourth 90o deflection to the south for 6m allows the pipes to emerge at the centre of the northern end of SER6a. FILL/ARISINGS - Backfill the first section and the last section (SEDE1 to first return and fourth return to SER6a respectively) with best quality site-won clay (from trench arisings or elsewhere). Backfill with trench arisings between first return and fourth returns. Any excess arisings to be used in any local fill works. COMPACTION - Trackings in is sufficient.	1.7	Pipework	S1	SEM/X10/24_A	1	102.10	0.00	0.00	0.00	0.00	0.00	102.1	2.0	208.2	28	4	8			
SEPW2	To be built in conjunction with SER6a. CUT - Cut a trench from the western end of SER6a to the ditch to the west via 1x 90o returns. The trench will be a minimum of 600mm wide to allow the placement of 2x 160mm pipes 'side-by-side' with a 200mm space inbetween and the invert will be 1.7m AOD. PIPE - Supply & install 1x 35.2m (north) + 1x 34.8m (south) x 160mm pipes, 2x 90o bends + 2x 1000mm vertical pipes and 2x 67.5o swept bends to connect SER6a with the ditch. The pipes are buried (except where they emerge in SER6a and the ditch) with an invert of 1.7m AOD throughout. To be installed with 200mm spacing between the pipes and verticals to be fitted to the western ends. Using a centre line between the two pipes as a datum for dimensions, the pipes begin at the centre of the western end of SER6a and are set in a west-northwestwards direction as a continuation of the line of the final section of SER6a for 29.3m. Deflecting at 67.5o to the southwest for 5.7m allows the pipes to emerge into the corner of the ditch. FILL/ARISINGS - Backfill the first and last 5m of the trench with best quality site-won clay (from trench arisings or elsewhere) and backfill inbetween with trench arisings. Any excess arisings to be used in any local fill works. COMPACTION - Trackings in is sufficient.	1.7	Pipework	S1	SEM/X10/24_A	1	35.20	0.00	0.00	0.00	0.00	0.00	35.2	1.0	72.4	8	2	2			
SEPW3	To be built in conjunction with SER7, SER8a. CUT - Cut a trench from the southern end of SER7 to the northern end of SER8a. The trench will be a minimum of 600mm wide to allow the placement of 2x 160mm pipes 'side-by-side' with a 200mm space inbetween and the invert will be 1.7m AOD. PIPE - Supply & install 2x 25.4m x 160mm pipes to connect SER7 and SER8a. The pipes are buried (except where they emerge in SER7 & SER8a) with an invert of 1.7m AOD throughout and installed with 200mm spacing between the pipes. FILL/ARISINGS - Backfill with trench arisings. Any excess arisings to be used in any local fill works. COMPACTION - Trackings in is sufficient.	1.7	Pipework	S1	SEM/X10/24_A	1	25.40	0.00	0.00	0.00	0.00	0.00	25.4		50.8	8					
SER6a	To be created in conjunction with SEP15, SEPW1, SEPW2, SER6b, SER6d. CUT - Create new rill. 70.4m x 1m wide central channel with invert at 1.7m AOD. Batters of 1:10 from edge of central channel to prevailing ground levels except at the join with SEP15.1 where the batter is 1:4 up to SEP15.1 and 1:2 at the western end where SEPW2 pipes are installed. ARISINGS - Use arisings for all local fill works with best quality clays used for clay cores where required.	1.7	Rill	S1	SEM/X9/24_A, SEM/X10/24_A, SEM/X11/24_A	1	70.40	0.00	118.64	0.00	112.71	112.71									
SER6b	To be created in conjunction with SER6a, SER6c, SER6f, SER6g. CUT - Create new rill. 84.5m x 1m wide central channel. Invert is 1.7m AOD and batters of 1:10 from edge of central channel to prevailing ground levels all-round. ARISINGS - Use arisings for all local fill works with best quality clays used for clay cores where required.	1.7	Rill	S1	SEM/X9/24_A	1	84.50	0.00	134.62	0.00	127.89	127.89									
SER6c	To be created in conjunction with SER6b. CUT - Create new rill. 65m x 1m wide central channel. Invert is 1.7m AOD and batters of 1:10 from edge of central channel to prevailing ground levels all-round. ARISINGS - Use arisings for all local fill works with best quality clays used for clay cores where required.	1.7	Rill	S1	SEM/X9/24_A	1	65.00	0.00	124.35	0.00	118.13	118.13									
SER6d	To be created in conjunction with SER6a, SER6e. CUT - Create new rill. 64.4m x 1m wide central channel. Invert is 1.7m AOD and batters of 1:10 from edge of central channel to prevailing ground levels all-round. ARISINGS - Use arisings for all local fill works with best quality clays used for clay cores where required.	1.7	Rill	S1	SEM/X9/24_A	1	64.40	0.00	126.60	0.00	120.27	120.27									
SER6e	To be created in conjunction with SER6d. CUT - Create new rill. 14.4m x 1m wide central channel. Invert is 1.7m AOD and batters of 1:10 from edge of central channel to prevailing ground levels all-round. ARISINGS - Use arisings for all local fill works with best quality clays used for clay cores where required.	1.7	Rill	S1	SEM/X9/24_A	1	14.40	0.00	31.73	0.00	30.14	30.14									
SER6f	To be created in conjunction with SER6b, SER6h. CUT - Create new rill. 81.3m x 1m wide central channel. Invert is 1.7m AOD and batters of 1:10 from edge of central channel to prevailing ground levels all-round. ARISINGS - Use arisings for all local fill works with best quality clays used for clay cores where required.	1.7	Rill	S1	SEM/X9/24_A	1	81.30	0.00	134.48	0.00	127.76	127.76									
SER6g	To be created in conjunction with SER6b, SER6h. CUT - Create new rill. 81.4m x 1m wide central channel. Invert is 1.7m AOD and batters of 1:10 from edge of central channel to prevailing ground levels all-round. ARISINGS - Use arisings for all local fill works with best quality clays used for clay cores where required.	1.7	Rill	S1	SEM/X9/24_A, SEM/X10/24_A	1	81.40	0.00	161.94	0.00	153.84	153.84									
SER6h	To be created in conjunction with SER6f, SER6g, SER6i. CUT - Create new rill. 90.2m x 1m wide central channel. Invert is 1.7m AOD and batters of 1:10 from edge of central channel to prevailing ground levels all-round. ARISINGS - Use arisings for all local fill works with best quality clays used for clay cores where required.	1.7	Rill	S1	SEM/X9/24_A	1	90.20	0.00	163.91	0.00	155.71	155.71									
SER6i	To be created in conjunction with SER6h. CUT - Create new rill. 55.1m x 1m wide central channel. Invert is 1.7m AOD and batters of 1:10 from edge of central channel to prevailing ground levels all-round. ARISINGS - Use arisings for all local fill works with best quality clays used for clay cores where required.	1.7	Rill	S1	SEM/X9/24_A	1	55.10	0.00	119.25	0.00	113.29	113.29									
SER7	To be created in conjunction with SEPW3. CUT - Create new rill with direct connection to the ditch to the north. 47.1m x 1m wide central channel with invert at 1.7m AOD. Batters of 1:5 from edge of central channel to prevailing ground levels except at the join where SEPW3 pipes are installed where the batter is 1:2 up to 2.2m AOD and includes a small area (c.18m2) of levelling to 2.2m AOD. ARISINGS - Use arisings for all local fill works with best quality clays used for clay cores where required.	1.7	Rill	S1	SEM/X9/24_A	1	47.10	3.05	29.81	3.05	28.32	25.27									
SER8a	To be created in conjunction with SEPW3, SER8b. CUT - Create new rill. 113.2m x 1m wide central channel with invert at 1.7m AOD. Batters of 1:10 from edge of central channel to prevailing ground levels except at the northern end where SEPW3 pipes are installed where the batter is 1:2 up to prevailing ground levels. ARISINGS - Use arisings for all local fill works with best quality clays used for clay cores where required.	1.7	Rill	S1	SEM/X9/24_A	1	113.20	0.00	134.87	0.00	128.13	128.13									
SER8b	To be created in conjunction with SER8a. CUT - Create new rill. 145.1m x 1m wide central channel. Invert is 1.7m AOD and batters of 1:10 from edge of central channel to prevailing ground levels all-round. ARISINGS - Use arisings for all local fill works with best quality clays used for clay cores where required.	1.7	Rill	S1	SEM/X9/24_A	1	145.10	0.00	263.07	0.00	249.92	249.92									
Area 4 total				N1	N				1459.63	1466.11		64.60	44.75	323.42	174.5	4.0	357.0	46	8	8	2
Balance				N1	N				Cut/Fill balance:	6.48											
				N1						Surplus											

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