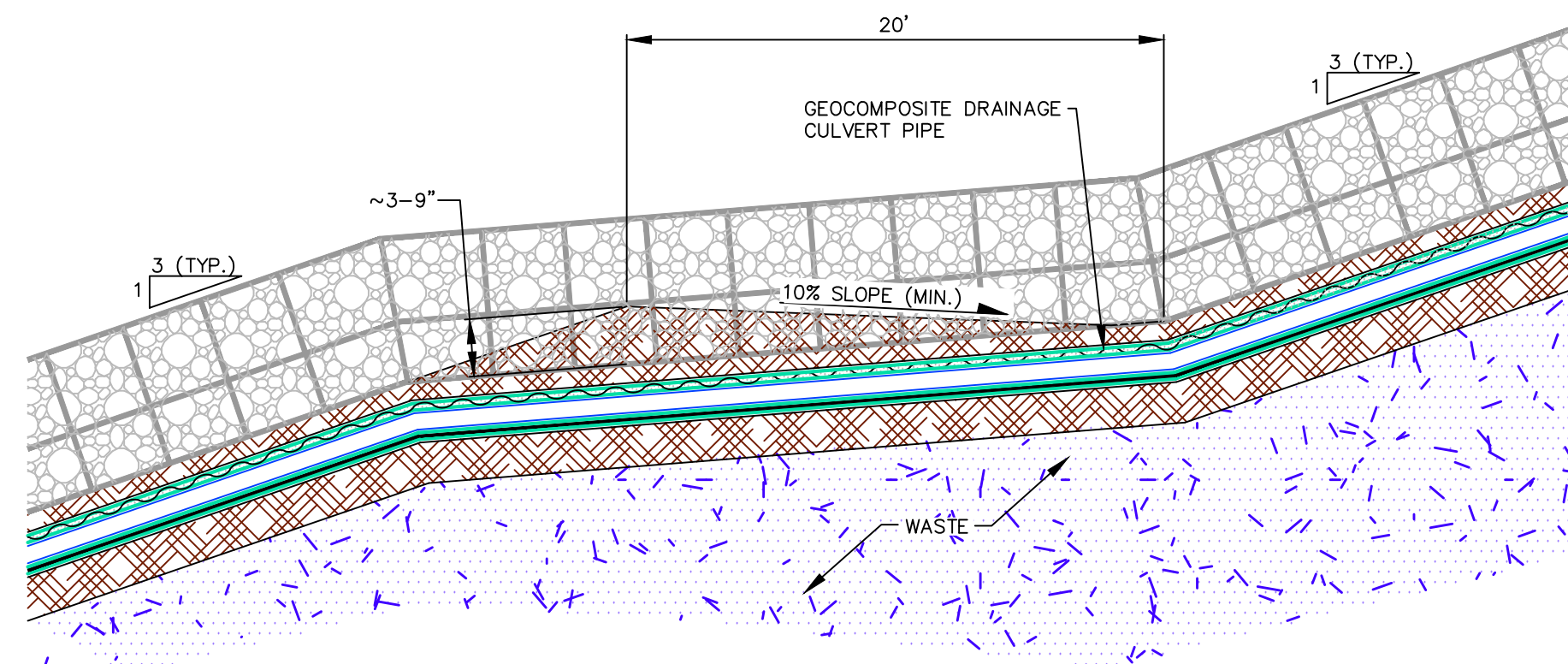
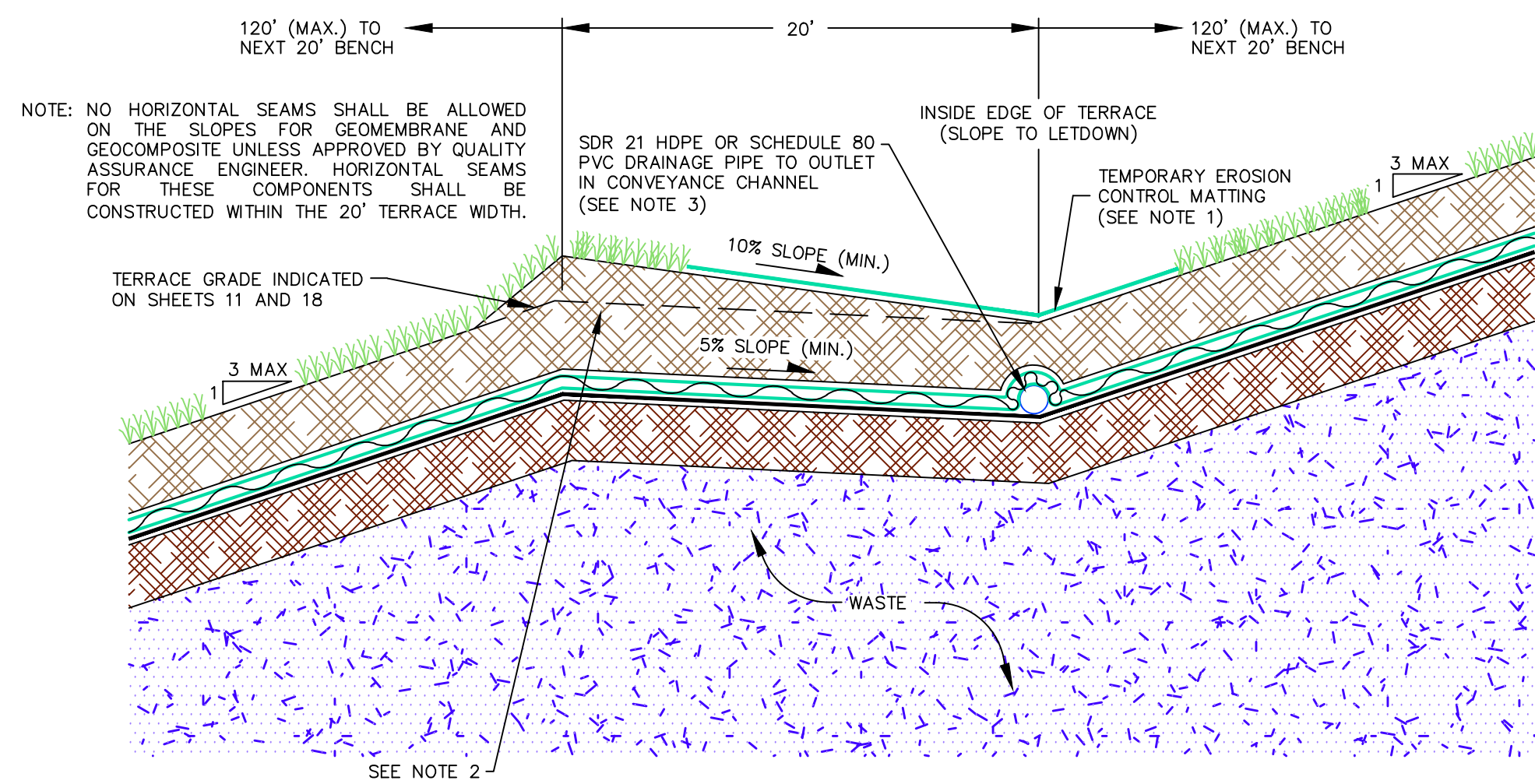


1 TYPICAL LETDOWN OUTLET
10C NOT TO SCALE

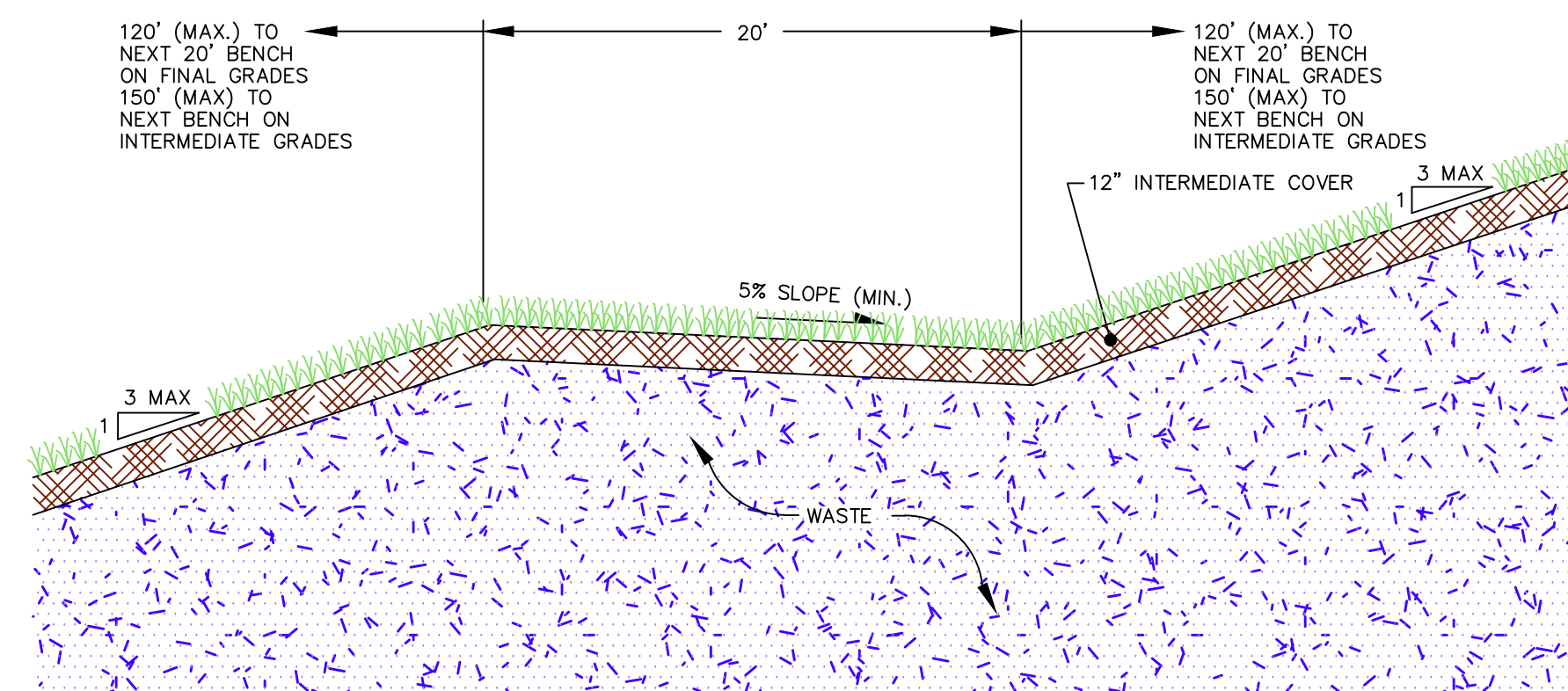


2 LETDOWN AT TERRACE PROFILE
10C NOT TO SCALE



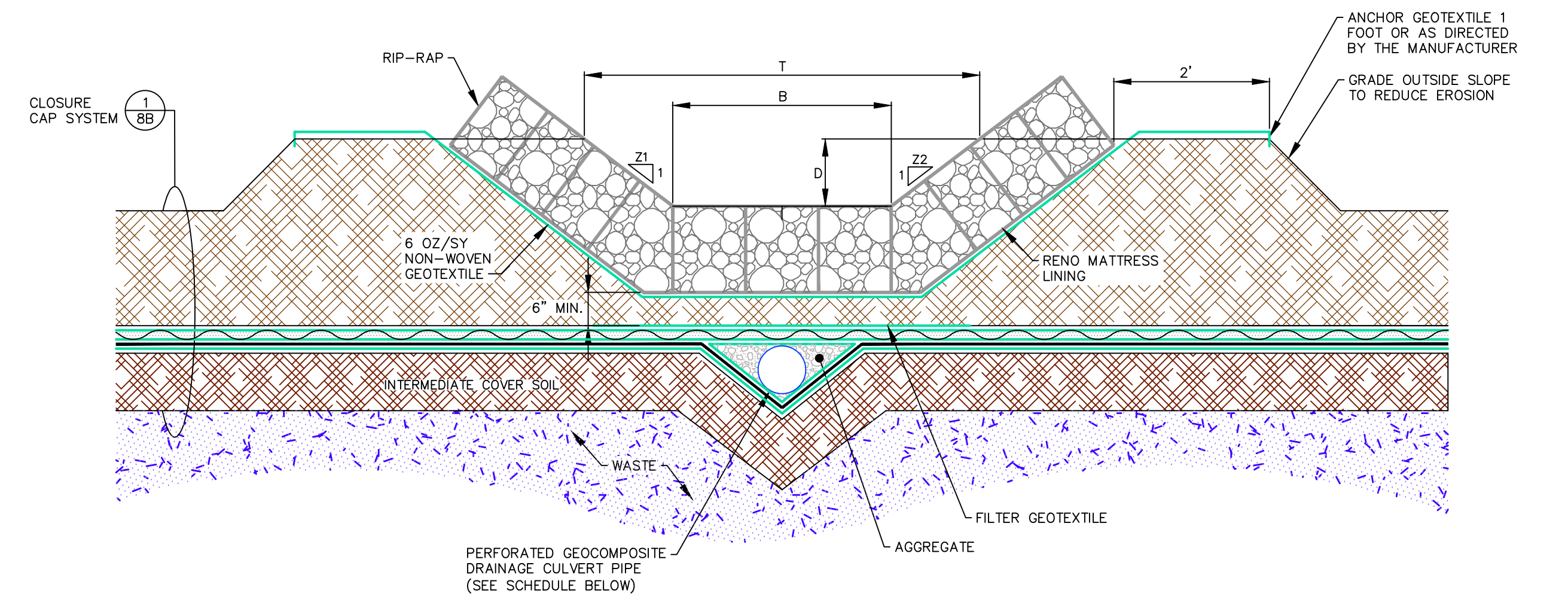
- NOTES:**
- EROSION CONTROL MATTING WILL BE SINGLE NET STRAW BLANKET, OR SIMILAR MATTING WITH AN "N" VALUE OF 0.025, WITH A MINIMUM PERMISSIBLE VELOCITY OF 6.8 FEET/SECOND.
 - THE FINAL GRADING PLAN DEPICTED ON SHEET 6D OF 11 DOES NOT DEPICT THE FINAL COVER EXCEEDING 2 FT. TO BE PLACED IN BENCHES.
 - UNLESS OTHERWISE NOTED ON THE FINAL PLAN, A 4" PIPE MAY BE USED IF THE TOTAL TERRACE LENGTH IS LESS THAN 597'. ALTERNATIVELY, 4" PIPE MAY BE USED IN THE FIRST 597' OF LONGER BENCHES, AND TRANSITIONED TO A 6" PIPE.

3 TYPICAL PERMANENT TERRACE IN CAPPED CONDITION
10C NOT TO SCALE



- NOTES:**
- FOR INTERMEDIATE AND FINAL LANDFILL SLOPES OF 3:1, DO NOT FILL MORE THAN 40 VERTICAL FEET OR (120 FEET OF HORIZONTAL LENGTH) BEFORE STABILIZATION MEASURES ARE INITIATED ON THE TERRACE AND THE SLOPE TRIBUTARY TO THE TERRACE.
 - FOR INTERMEDIATE LANDFILL SLOPES OF 2.5:1, DO NOT FILL MORE THAN 50 VERTICAL FEET (OR 100 FEET OF SLOPE LENGTH) BEFORE STABILIZATION MEASURES ARE INITIATED ON THE TERRACE AND THE SLOPE TRIBUTARY TO THE TERRACE.
 - PROMPTLY STABILIZE TERRACES WITH JUTE MAT, SEED AND MULCH UPON COMPLETION OF EACH TERRACE.

4 TEMPORARY TERRACE
10C NOT TO SCALE



5 TRAPEZOIDAL ROCK-LINED CHANNEL LETDOWN
10C NOT TO SCALE

LETDOWN CHANNEL SCHEDULE

LETDOWN	LENGTH	MAX. Q REQ'D (cfs)	Q' AVAIL (cfs)	SLOPE S (%)	BASE WIDTH (ft.)	DEPTH (ft.)	SIDE SLOPES (Z1/Z2)	TOP WIDTH (ft.)	LINING	RECEIVING CHANNEL
L-1	600	10.03	12.9	33	3	1.0	3/3	9.0	12" GABION	BASIN NO. 3
L-2	1150	42.11	51.8	33	5	1.25	3/3	12.5	18" GABION	BASIN NO. 3
L-3	900	31.40	31.7	33	4	1.0	3/3	10.0	12" GABION	BASIN NO. 3
L-4	400	17.97	24.9	33	3	1.25	3/3	10.5	12" GABION	BASIN NO. 6
L-5	300	31.86	32.3	33	4	1.25	3/3	11.5	12" GABION	BASIN NO. 6

LETDOWN INLETS

LETDOWN	RECEIVING TOE CULVERT	INLET DIAMETER (in)
1	T7-3	24
2	T3-4	36
3	T3-3	36
4	T6-2	36
5	T6-3	36

GEOCOMPOSITE DRAINAGE CULVERT SCHEDULE

UNDER LETDOWN	MAX. Q REQ'D (cfs)	CULVERT DIAMETER D (in)	NO. OF PIPES	TYPE
L-1	0.71	6	1	SCHED. 80 PVC / SDR 21
L-2	6.02	6	2	SCHED. 80 PVC / SDR 21
L-3	4.49	6	2	SCHED. 80 PVC / SDR 21
L-4	2.57	10	1	PVC / SDR 21
L-5	4.55	6	2	SCHED. 80 PVC / SDR 21

TOE CULVERT SCHEDULE

CULVERT	DRAINAGE AREA (ac-ft)	REQ'D FLOW (cfs)	AVAIL FLOW (cfs)	MIN SLOPE % (ft/ft)	NO. OF PIPES	PIPE DIAMETER D (in)	OUTLET
T3-1	1.23	3.23	13.37	0.12	1	12	T3-3
T3-2	13.4	35.18	39.42	0.12	1	18	T3-3
T3-3	32.04	84.11	39.42	0.12	1	18	T3-4
T3-4	46.67	122.51	169.80	0.12	2	24	EXISTING RIPRAP (BASIN 3)
T5-1	11.98	31.45	49.02	0.04	1	24	EXISTING CHANNEL
T6-1	1.01	2.65	13.37	0.12	1	12	T6-2
T6-2	35.88	94.19	109.60	0.05	2	24	EXISTING RIPRAP (BASIN 6)
T6-3	35.98	94.45	155.0	0.10	2	24	EXISTING RIPRAP (BASIN 6)
T7-1	3.61	10.63	11.38	0.01	1	18	T7-3
T7-2A	3.70	9.71	13.92	0.13	1	12	T7-3
T7-2B	0.28	2.89	12.21	0.10	1	12	T7-3
T7-3	8.72	22.89	24.51	0.01	1	24	EXISTING RIPRAP (BASIN 7)

	REVISIONS	
	DATE: 09/25/17	DRAWN BY: SWH
DELAWARE COUNTY SOLID WASTE AUTHORITY ROLLING HILLS LANDFILL SOUTHERN AREA LANDFILL EXPANSION		CHECKED: KCC
EARL TOWNSHIP BERKS COUNTY PENNSYLVANIA STORMWATER MANAGEMENT TERRACE, LETDOWN SCHEDULES AND DETAILS		BAI DRAWING NO: DCSWA-107D018C
State College Office (814) 238-2960	Delaware Valley Office (610) 495-5585	SHEET NO. 10C OF 11