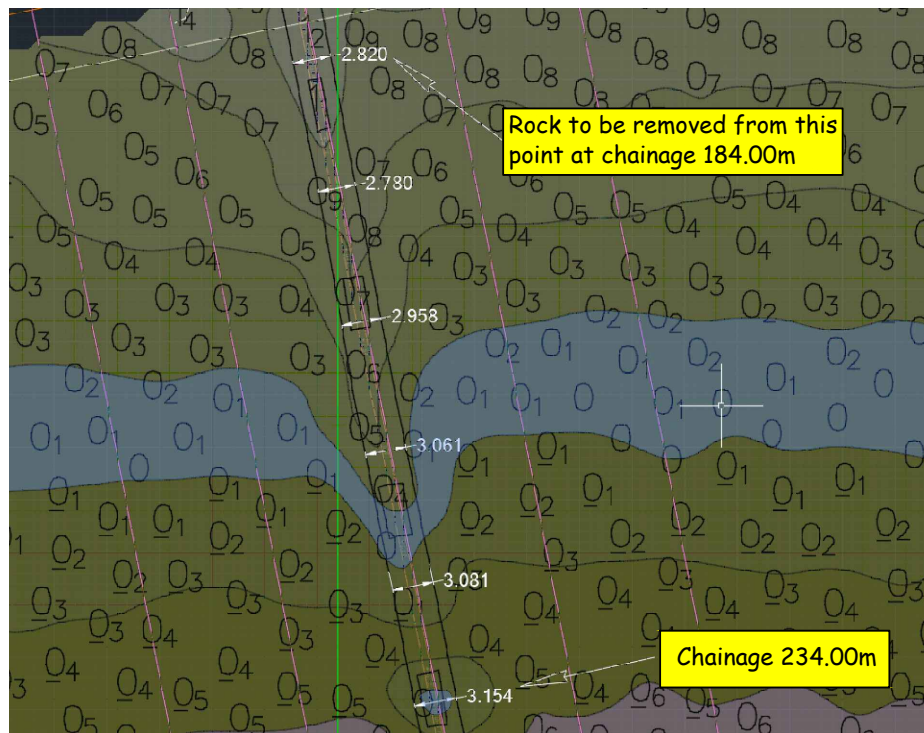
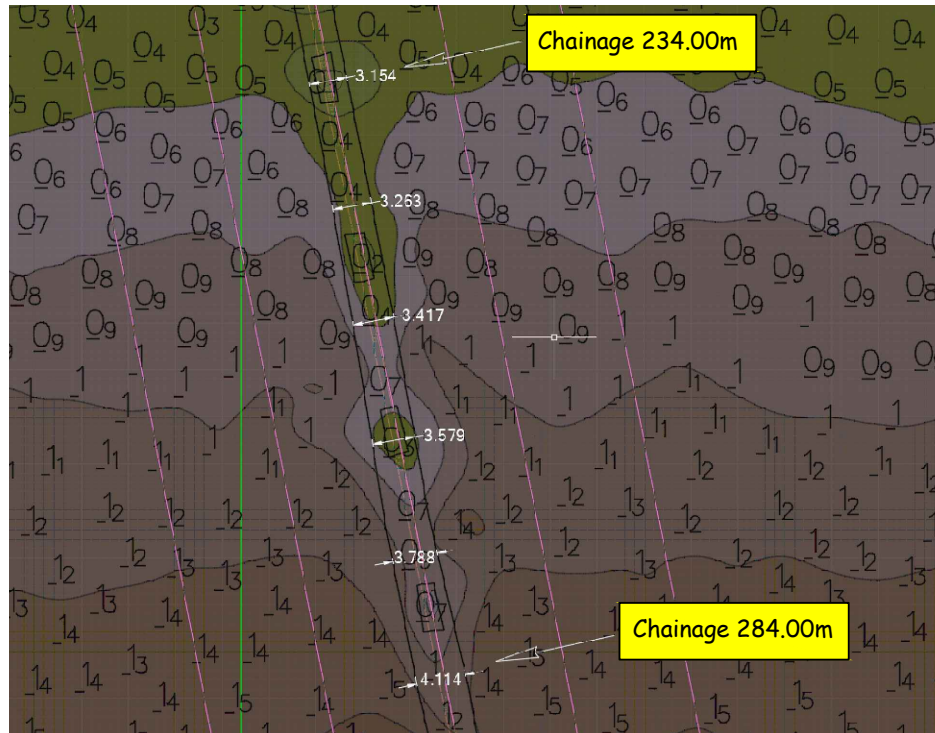


TOPOGRAPHICAL & DRONE SURVEY ANALYSIS TO DETERMINE HABITAT GAIN BY THE REMOVAL OF THE OLD OUTFALL

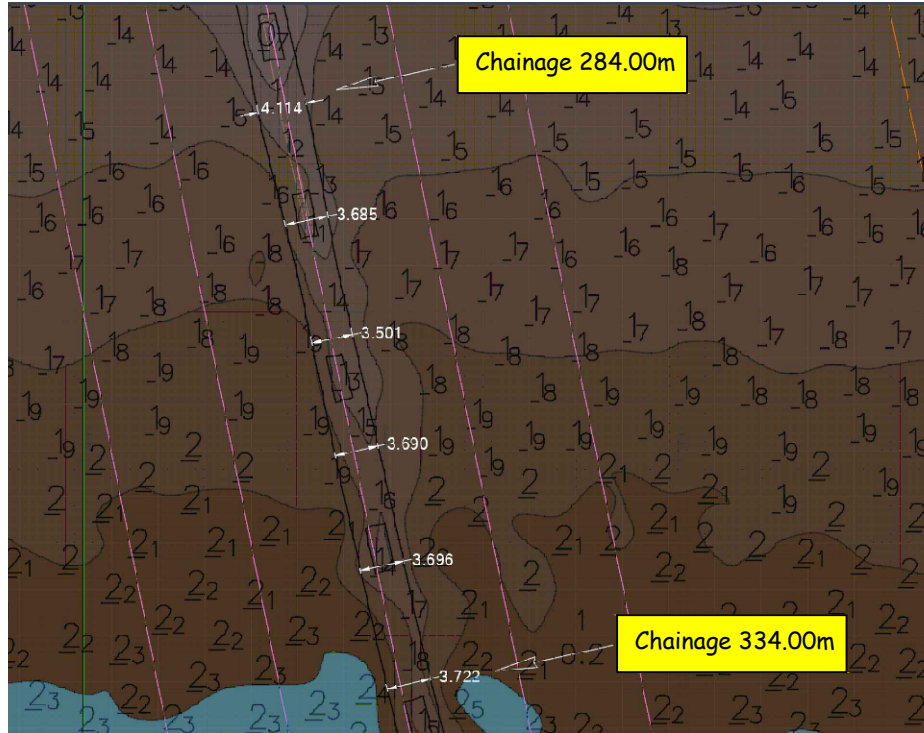
Chainage 184.00 m to 234.00m



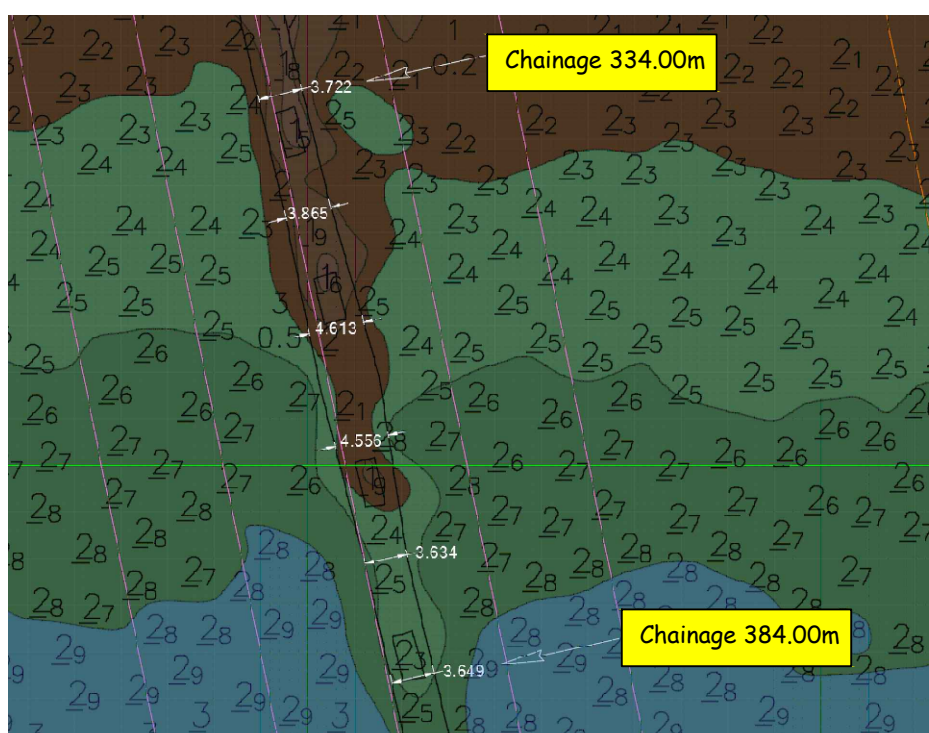
Chainage 234.00m to 284.00m



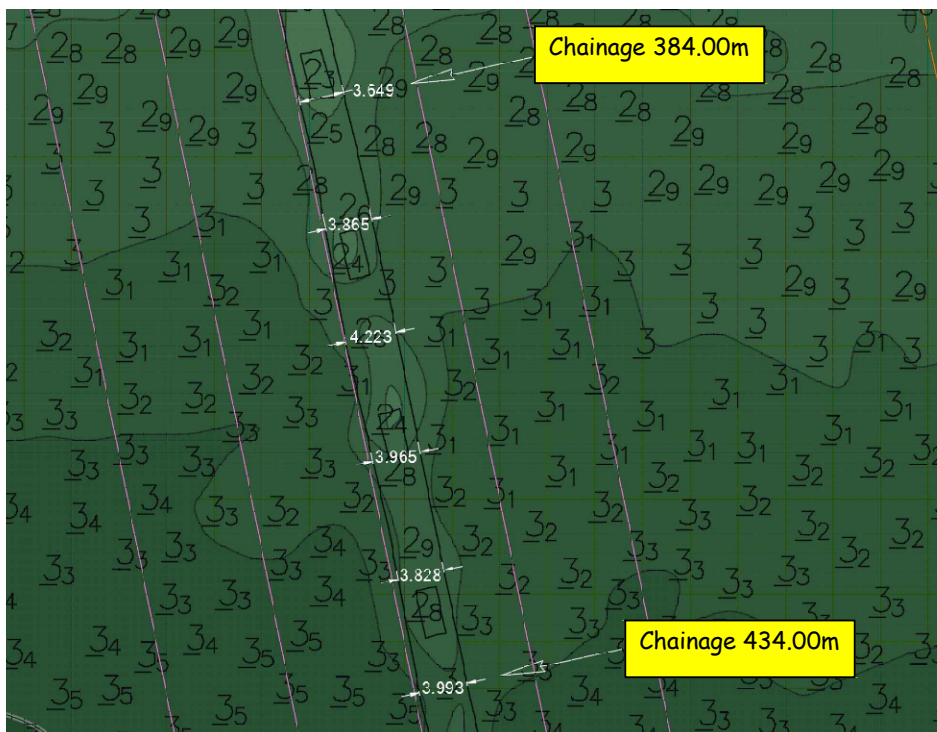
Chainage 284.00m to 334.00m



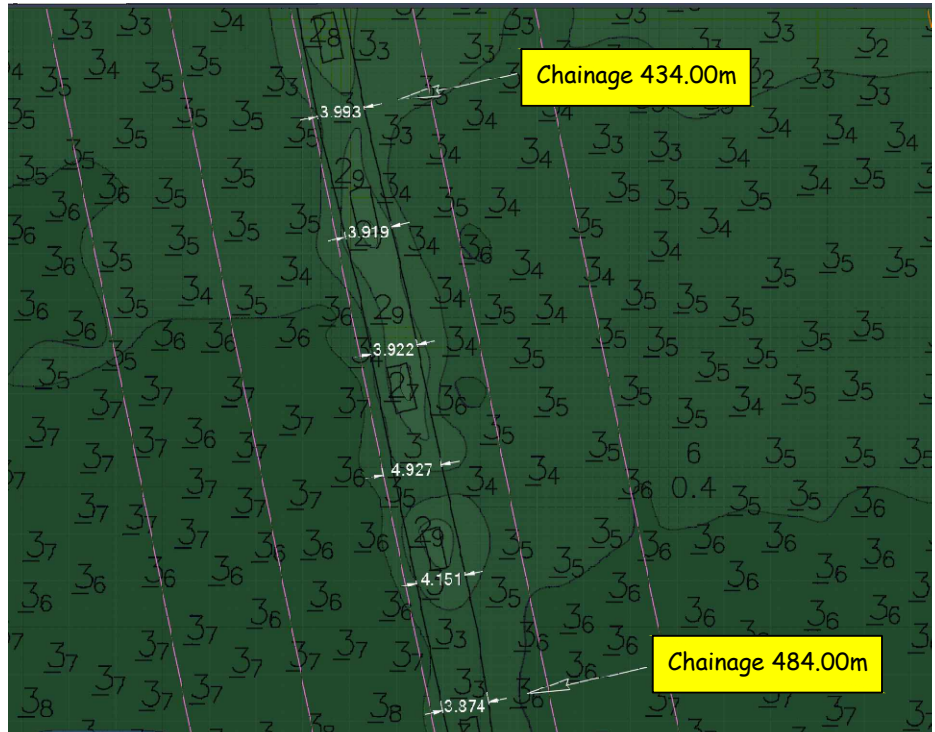
Chainage 334.00m to 384.00m



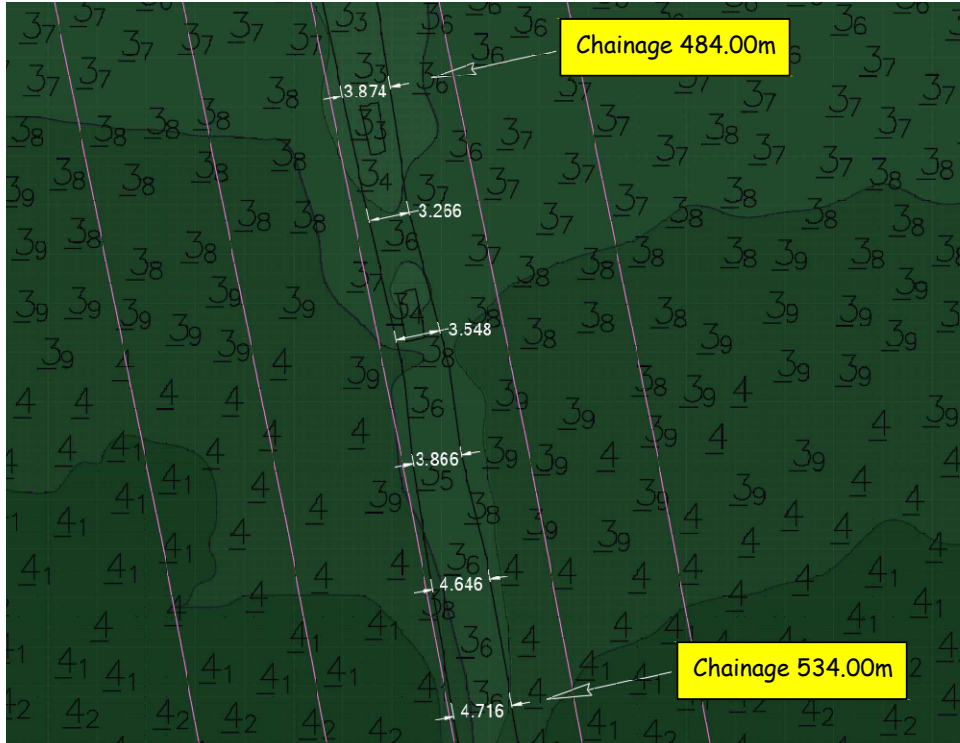
Chainage 384.00m to 434.00m



Chainage 434.00m to 484.00m



Chainage 484.00m to 534.00m



Chainage 534.00m to 554.00m

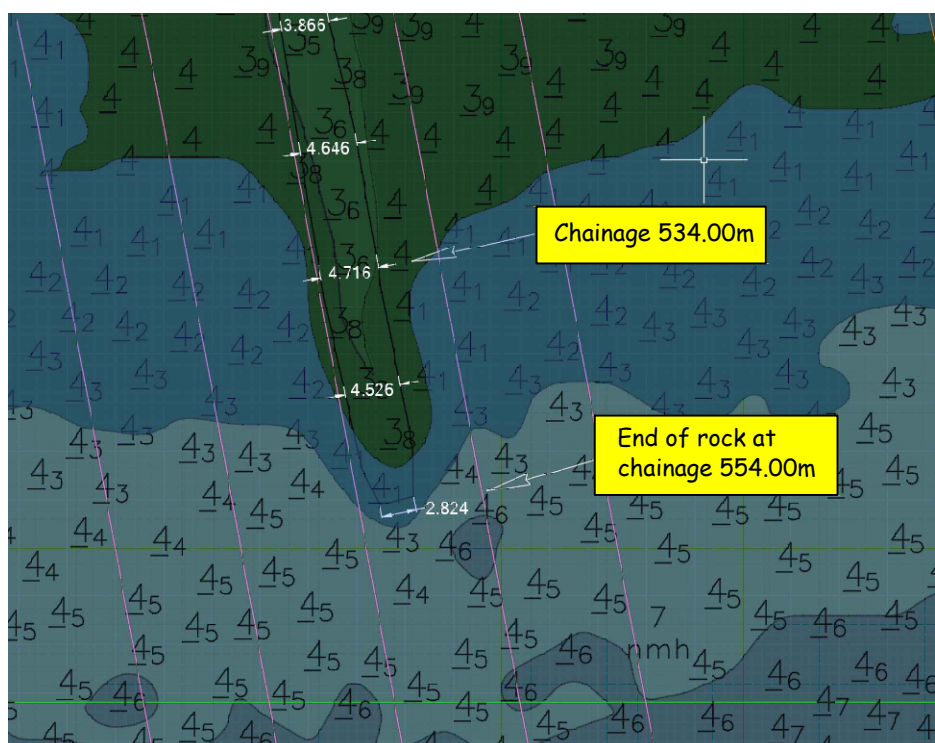


Table showing widths of rock at 10m increments

Chainage (m)	Width (m)
184	2.82
194	2.78
204	2.958
214	3.061
224	3.081
234	3.154
244	3.263
254	3.417
264	3.579
274	3.788
284	4.114
294	3.685
304	3.501
314	3.49
324	3.696
334	3.722
344	3.865
354	4.613
364	4.556
374	3.634
384	3.649
394	3.865
404	4.223
414	3.965
424	3.828
434	3.993
444	3.919
454	3.922
464	4.927
474	4.151
484	3.874
494	3.266
504	3.548
514	3.865
524	4.646
534	4.716
544	4.526
554	2.824
Average	3.75m

Total area of rock to be removed is average width = 3.75m x total length 370m = 1387.5m²

Total area of mattress visible above the existing bed = 78.8 m long x 3m wide =236.4m²

Total area where there is less than 300mm cover over the mattress = 284.6m long x 3m wide =853.8m²

Area of habitat loss (less than 300mm cover over mattress) = 236.4m² + 853.8m² =1090m²

Therefore:
Habitat loss = 1090m²
Habitat mitigation = 1387.5m²

Overall habitat gain = 297.5m²

LEGEND:

NOTES:

Rev	Date	By	Rev Description
Drawing Status:			

CLIENT: **EASTMAN**

PROJECT NAME:
Eastman Effluent Outfall Replacement scheme

DRAWING TITLE:
Habitat Mitigation Outline Proposal

DRAWING NUMBER:
JD/KM/EASTMAN/HABITAT/11-07-22

ISSUE DATE:
22/07/2022

SCALE:
NTS



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