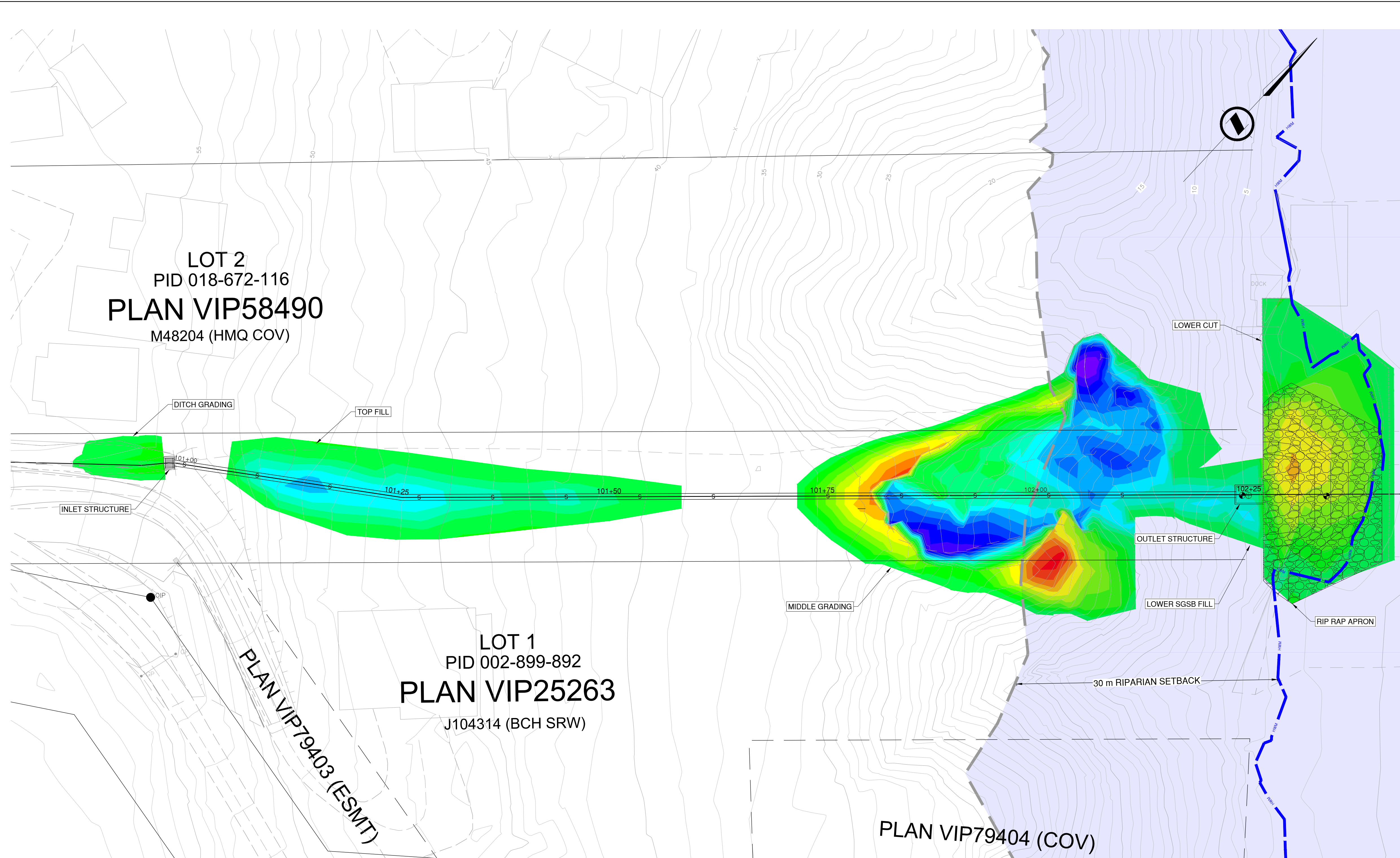


PLOT DATE: 2024/05/06 7:21:3037_bc_moti_os_and_when_geo_for_hwy_improvements_scr_engineering\geotechnical\02 - Mini Road CVRD Drainage Improvement\07_drawings\DesignModel\20_Working\18122 - Sheets.dwg



Elevations Table			
Number	Minimum Elevation (m)	Maximum Elevation (m)	Color
1	-6.000	-5.500	Red
2	-5.500	-5.000	Red
3	-5.000	-4.500	Red
4	-4.500	-4.000	Orange
5	-4.000	-3.500	Orange
6	-3.500	-3.000	Yellow
7	-3.000	-2.500	Yellow
8	-2.500	-2.000	Light Green
9	-2.000	-1.500	Light Green
10	-1.500	-1.000	Light Green
11	-1.000	-0.500	Light Green
12	-0.500	0.000	Light Green
13	0.000	0.500	Light Green
14	0.500	1.000	Light Green
15	1.000	1.500	Light Green
16	1.500	2.000	Light Green
17	2.000	2.500	Light Green
18	2.500	3.000	Light Green
19	3.000	3.500	Light Green
20	3.500	4.000	Light Green
21	4.000	4.500	Light Green
22	4.500	5.000	Light Green
23	5.000	5.500	Light Green

NEGATIVE VALUES ARE CUT
POSITIVE VALUES ARE FILL

NOTES

- CONTOURS SHOWN ARE BASED ON BC LIDAR DATA AND SURVEY UNDERTAKEN BY WSP ON 05/09/2022, WITH CONTROL MONUMENT NO. 91H0483, LOCATED ON CHEERY POINT ROAD, BETWEEN THE INTERSECTION WITH CHESTNUT ROAD AND GREENBRIER ROAD.

Cut/Fill Summary

LOCATION	AREA (m ²)
RIPRAP BELOW HHWLT	128.5
PERMANENT DISTURBANCE AREA INCLUDING RIPRAP BELOW HHWLT	301.3
TEMPORARY DISTURBANCE AREA	1907.2
TEMPORARY DISTURBANCE AREA FOR CONSTRUCTION (LAYDOWN AREA)	79.7

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
DITCH GRADING	1.100	1.000	45.82sq.m	5.7 Cu. M.	2.7 Cu. M.	3.0 Cu. M.<Cut>
TOP FILL	1.100	1.000	392.15sq.m	0.5 Cu. M.	400.5 Cu. M.	400.0 Cu. M.<Fill>
MIDDLE GRADING	1.100	1.000	935.00sq.m	715.6 Cu. M.	991.7 Cu. M.	276.1 Cu. M.<Fill>
LOWER CUT	1.100	1.000	464.87sq.m	1023.7 Cu. M.	0.0 Cu. M.	1023.7 Cu. M.<Cut>
TOTAL SITE EXCAVATED MATERIAL			1837.84sq.m	1745.5 Cu. M.	1394.9 Cu. M.	350.6 Cu. M.<Cut>
LOWER SGSB FILL	1.000	1.000	83.23sq.m	0.0 Cu. M.	67.6 Cu. M.	67.6 Cu. M.<Fill>
19MM CLEAR CRUSH- RIPRAP BEDDING	1.000	1.000	249.22sq.m	0.0 Cu. M.	113.2 Cu. M.	113.2 Cu. M.<Fill>
RIP RAP	1.000	1.000	301.3sq.m	0.0 Cu. M.	308.2 Cu. M.	308.2 Cu. M.<Fill>
ROCKFILL	1.000	1.000	350.0sq.m	0.0 Cu. M.	310.0 Cu. M.	310.0 Cu. M.<Fill>
25mm BASE- PIPE BEDDING MATERIAL	1.000	1.000	176.41sq.m	0.0 Cu. M.	160.0 Cu. M.	160.0 Cu. M.<Fill>

VOLUMES ARE POST TOPSOIL STRIPPING
ASSUMED TOPSOIL DEPTH: 300mm
ROCKFILL AND LOWER CUT VOLUMES DEPENDANT ON BASE OF DEBRIS SLIDE - TO BE CONFIRMED AT TIME OF CONSTRUCTION BY ENGINEER

SCALE 0 2 1:250 12m

CAD FILENAME 18122-SHEETS
FILE NUMBER 153CS0768
PLOT DATE 5/6/2024

REV	DATE	REVISIONS	NAME
A	5/2/2024	ISSUED FOR 100% DETAILED DESIGN	KQ / DB

BRITISH COLUMBIA
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
SOUTH COAST REGION
HIGHWAY ENGINEERING AND GEOMATICS

CUT / FILL PLAN
MINI ROAD SLIDE, COWICHAN BAY
SLOPE FAILURE REMEDIATION AND DRAINAGE IMPROVEMENTS

MINISTRY EGBC PERMIT TO PRACTICE 1003429

DESIGNED	A. RAHMAN	DATE	2024-03-15
QUALITY CONTROL	K. QAVAMI	DATE	2024-03-15
QUALITY ASSURANCE	D. BRUTON	DATE	2024-03-15
DRAWN	T. EDMONDS	DATE	2024-04-25

PROJECT NUMBER	REG	DRAWING NUMBER	REV
18122-0000	2	18122-101	A