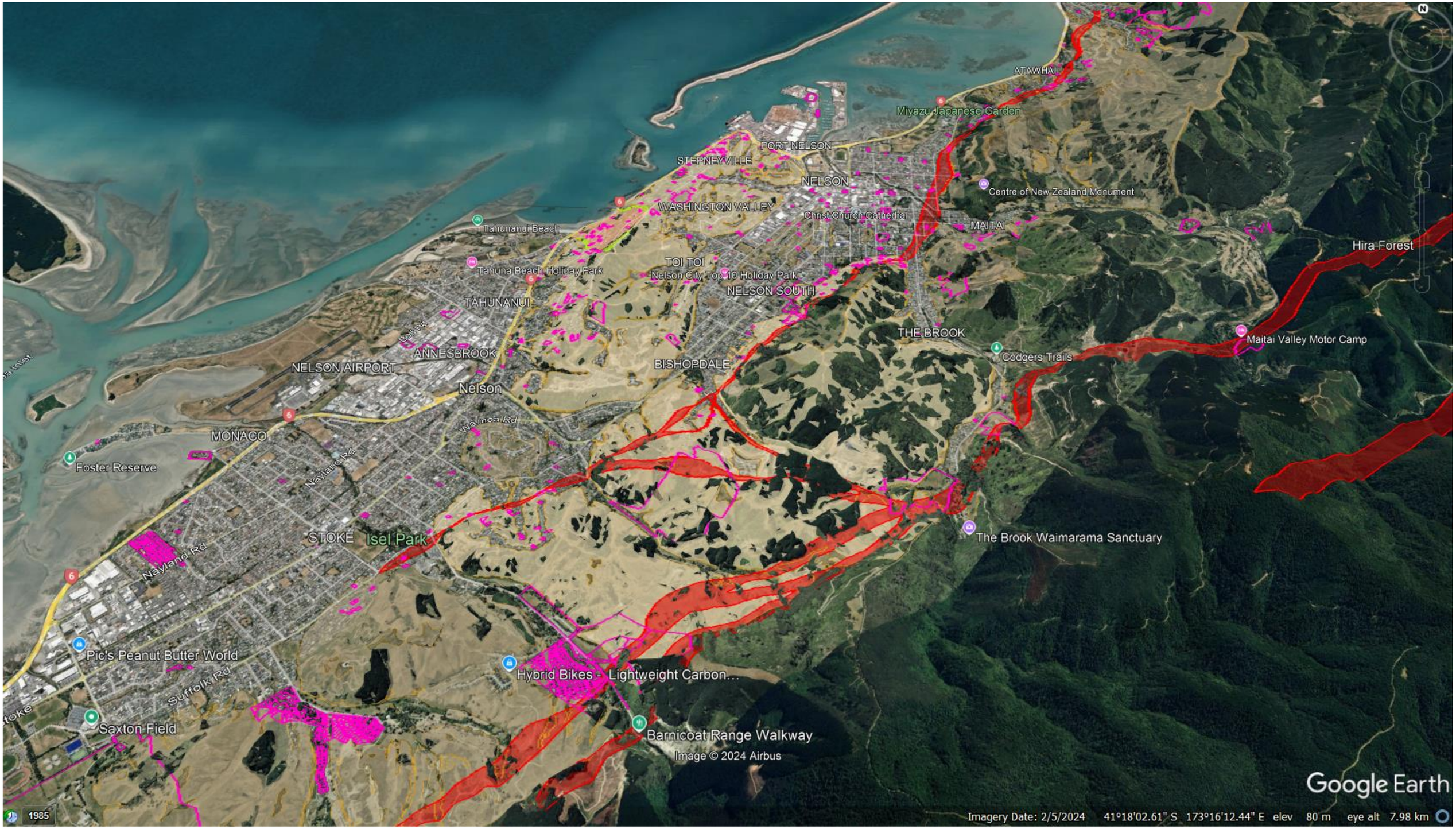


Nelson Consulting Engineers Ltd

CIVIL - GEOTECHNICAL - STRUCTURAL



STOKE VALLEY HOLDINGS LIMITED

MONTEBELLO AVENUE, STOKE, NELSON

MONTEBELLO VILLAGE - EARTHWORKS

DESIGNATED BUILDING AREAS AND DRAINAGE CONTROL SITE PLAN

Nelson Consulting Engineers Ltd
CIVIL - GEOTECHNICAL - STRUCTURAL

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Rev	Comment	Date	Initial
A	REVISE DBA AREAS FOR LOTS 27 TO 33	13 APR 16	PF

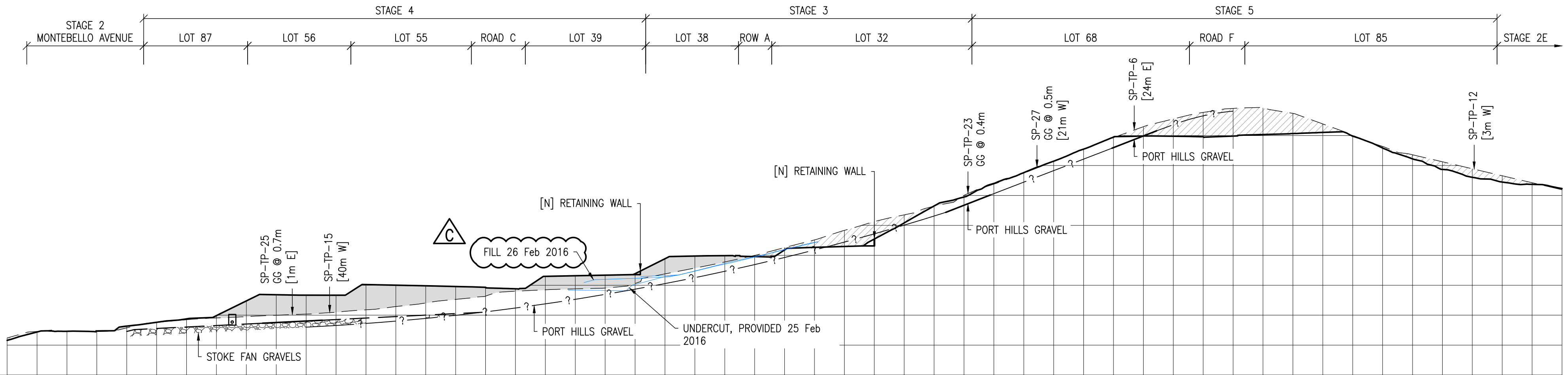
Designed by JH | Drawn by PF | Approved by

Drawing No	04018.13.16
Job No	04018.13
Stamp	CONSTRUCTION
Sheet No	09 OF 15
Date	10 DEC 15
Revision	A

File Name: EW Plans Sheets 03-04, 09 Monte Village CONTRUCTION 09 May 16.dwg Plotted: 16/06/2016 4:30:05 p.m.

LEGEND	
— — —	EXISTING GROUND
/////	PROPOSED CUT
(shaded)	PROPOSED FILL
GG	APPROXIMATE GOOD GROUND

NOTES:
SURFACE REFERENCE:
1. EXISTING AND PROPOSED SURFACES PROVIDED BY STAIG & SMITH, REFER TO RESOURCE APPLICATION PLANS RM 155233.



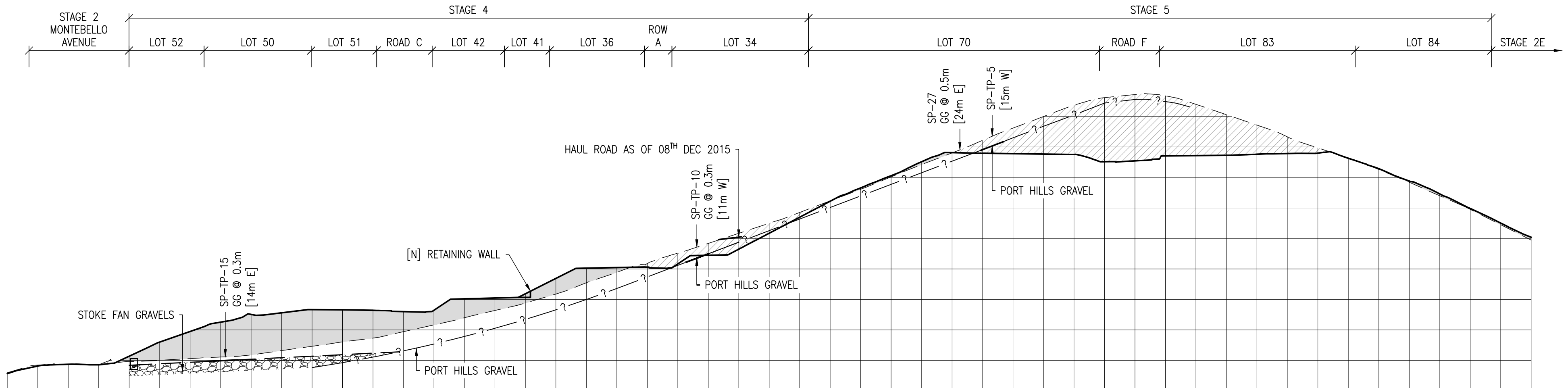
Chainage	0.00	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
Design Surface		72.20	72.31	72.37	73.18	73.81	74.38	74.93	77.38	78.41	78.34	78.34	80.12
Cut/Fill Depth		-0.09	-0.05	0.10	0.30	0.01	0.15	0.38	2.64	3.42	3.16	2.83	4.22
Natural Surface	71.19	72.29	72.36	72.28	72.88	73.80	74.24	74.55	74.75	74.99	75.18	75.51	75.90

Chainage	65.00	70.00	75.00	80.00	85.00	90.00	95.00	100.00	105.00	110.00	115.00	120.00	125.00
Design Surface	80.01	79.91	79.79	79.66	79.41	81.49	81.59	81.68	81.93	84.43	84.88	84.94	84.79
Cut/Fill Depth	3.57	2.87	2.15	1.48	0.40	2.24	2.19	2.16	1.63	2.53	2.01	1.05	-0.20
Natural Surface	76.45	77.04	77.64	78.18	79.01	79.25	79.40	79.53	80.30	81.90	82.87	83.89	84.99

Chainage	130.00	135.00	140.00	145.00	150.00	155.00	160.00	165.00	170.00	175.00	180.00	185.00	190.00
Design Surface	85.89	86.32	86.48	87.72	90.41	93.24	94.74	97.01	98.81	100.72	102.74	104.76	104.92
Cut/Fill Depth	-0.40	-1.25	-2.69	-2.91	-1.35	0.03	-0.29	0.12	0.09	0.01	-0.02	0.09	-1.56
Natural Surface	86.29	87.58	89.17	90.62	91.76	93.21	95.02	96.89	98.72	100.72	102.76	104.66	106.48

Chainage	195.00	200.00	205.00	210.00	215.00	220.00	225.00	230.00	235.00	240.00	245.00	250.00	255.00	260.00
Design Surface	104.89	104.80	104.92	105.17	105.34	105.53	104.90	102.92	101.11	99.35	98.03	97.23	96.86	
Cut/Fill Depth	-2.89	-4.07	-4.61	-4.44	-3.37	-1.42	-0.15	-0.26	-0.68	-1.28	-1.43	-1.06	-0.26	
Natural Surface	107.78	108.87	109.54	109.61	108.71	106.95	105.05	103.18	101.79	100.63	99.46	98.29	97.12	95.95

Cross Section D



Chainage	0.00	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
Design Surface		69.08	69.36	69.28	70.69	73.00	74.74	76.27	77.54	77.80	78.33	78.30	78.22
Cut/Fill Depth		-0.15	-0.03	-0.10	0.90	3.01	4.44	5.73	6.65	6.19	6.01	5.26	4.56
Natural Surface	67.98	69.23	69.39	69.38	69.79	69.99	70.30	70.55	70.89	71.61	72.31	73.04	73.66

Chainage	65.00	70.00	75.00	80.00	85.00	90.00	95.00	100.00	105.00	110.00	115.00	120.00	125.00
Design Surface	78.00	78.22	80.10	80.23	80.93	83.44	85.12	85.22	85.30	85.82	87.24	88.24	90.86
Cut/Fill Depth	3.28	2.40	3.10	2.04	1.51	2.56	2.38	0.77	-0.59	-1.76	-1.95	-2.60	-1.63
Natural Surface	74.72	75.82	77.00	78.18	79.41	80.88	82.74	84.45	85.88	87.58	89.19	90.84	92.49

Chainage	130.00	135.00	140.00	145.00	150.00	155.00	160.00	165.00	170.00	175.00	180.00	185.00	190.00
Design Surface	93.48	96.10	98.29	100.28	102.58	104.07	103.96	103.90	103.83	103.77	102.58	102.72	103.53
Cut/Fill Depth	-0.78	-0.07	0.23	0.19	0.46	0.04	-2.12	-4.20	-6.16	-8.08	-10.51	-10.88	-9.87
Natural Surface	94.26	96.17	98.06	100.10	102.12	104.03	106.09	108.10	110.00	111.85	113.09	113.60	113.40

Chainage	195.00	200.00	205.00	210.00	215.00	220.00	225.00	230.00	235.00	240.00	245.00	250.00
Design Surface	103.58	103.64	103.81	103.92	103.99	103.15	101.44	99.41	97.30	94.91	92.52	
Cut/Fill Depth	-8.41	-6.66	-4.78	-2.74	-0.86	-0.07	0.13	0.20	0.30	0.13	0.26	
Natural Surface	111.99	110.30	108.59	106.66	104.85	103.22	101.30	99.21	97.00	94.77	92.25	89.73

Cross Section C

Scale (A1) 1:500
Scale (A3) 1:1000

STOKE VALLEY HOLDINGS LIMITED

MONTEBELLO AVENUE, STOKE, NELSON

PROPOSED MONTEBELLO VILLAGE - EARTHWORKS

CROSS SECTIONS C AND D WITH GEOTECHNICAL INTERPRETATION

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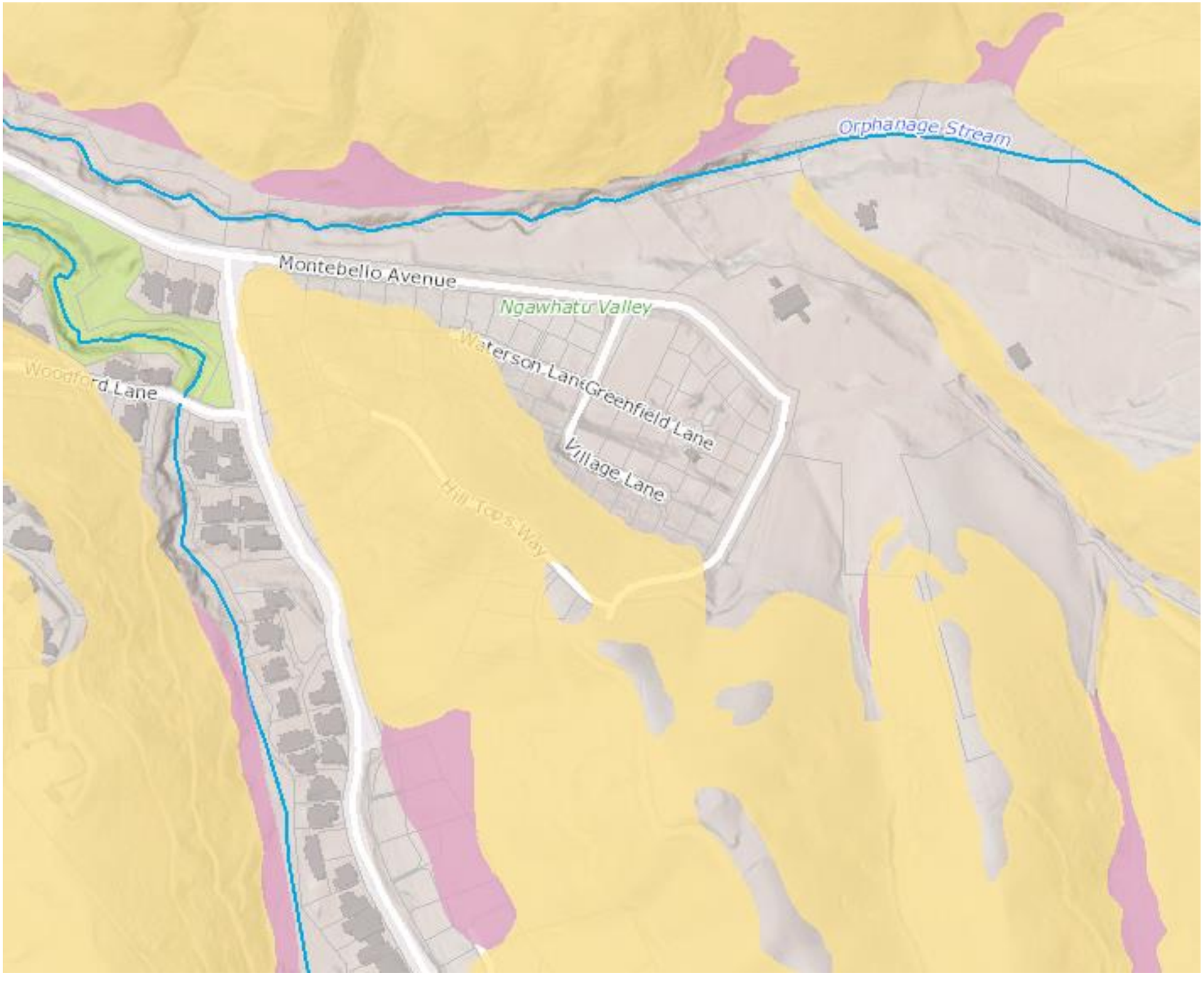
Rev	Comment	Date	Initial
C	UNDERCUTS 26 FEB 16	04 MAR 16	JH
B	SHOW FILL AND UNDERCUT DATA PROVIDED 25 FEB 2016	01 MAR 16	PF
A	SHOW RETAINING WALL, HAUL ROAD, CUT & FILL AS OF DATE	03 FEB 16	PF

Designed by JH | Drawn by PF | Approved by

Drawing No	Job No
04018.13.13	04018.13
Stamp: CONSTRUCTION	Sheet No: 06 OF 15
Date: 10 DEC 15	Revision: C

File Name: EW Plans Sheets 01–02, 05–08 Monte Village CONSTRUCTION 11 Apr 16.dwg Plotted: 16/06/2016 4:29:29 p.m.


Orphanage Stream
Montebello Avenue
Ngawhatū Valley
Waterson Lane
Greenfield Lane
Village Lane
Hill Tops Way
Woodford Lane


Orphanage Stream
Montebello Avenue
Ngawhatu Valley
Waterson Lane
Greenfield Lane
Village Lane
Woodford Lane