

**Annex - 1**

Temperature and Humidity Profile

**Average Temperature and Humidity at Tuen Mun Children and Juvenile Home Weather Station in Year 2021 (adopted for long-term assessment)**

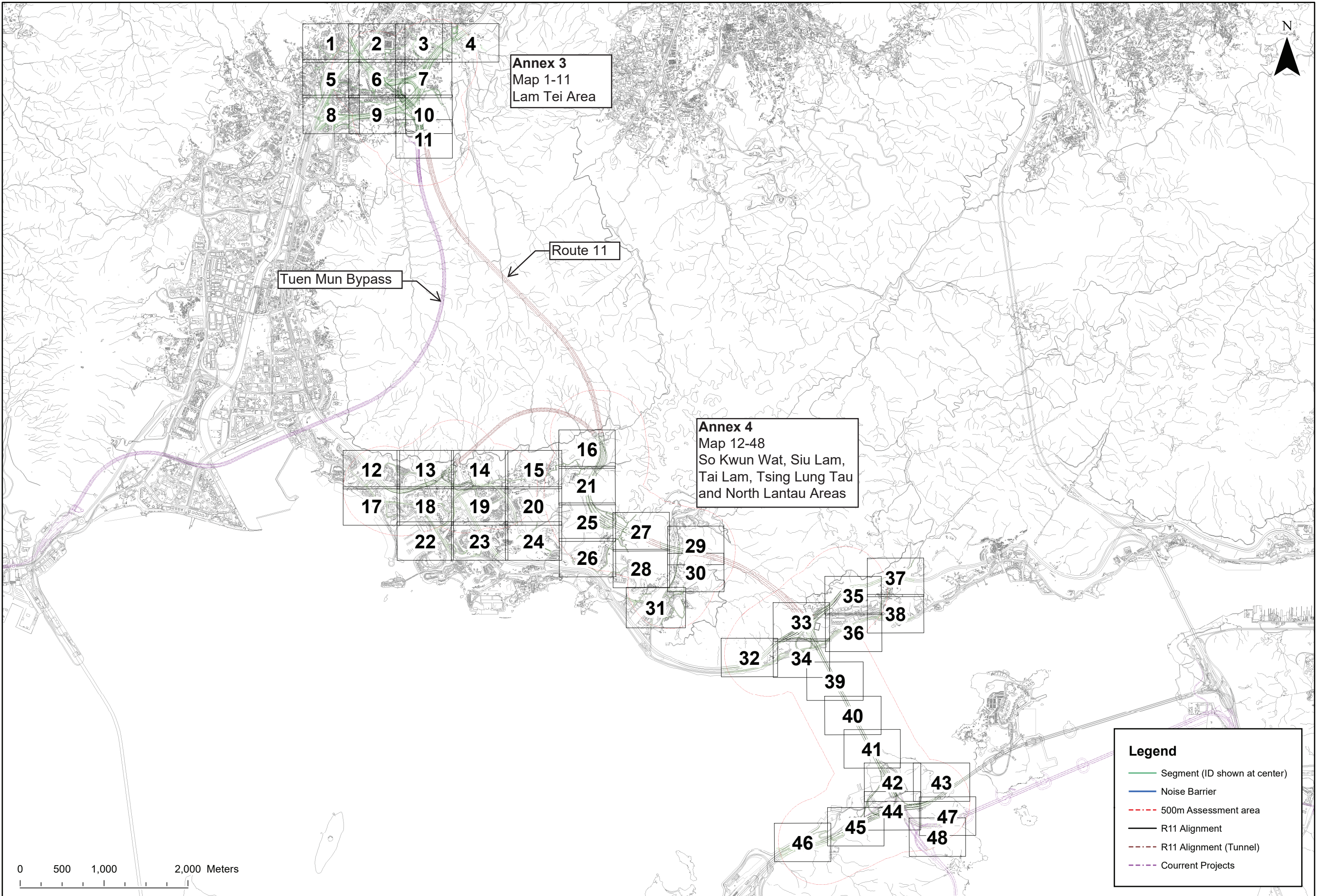
	Hour 01	Hour 02	Hour 03	Hour 04	Hour 05	Hour 06	Hour 07	Hour 08	Hour 09	Hour 10	Hour 11	Hour 12	Hour 13	Hour 14	Hour 15	Hour 16	Hour 17	Hour 18	Hour 19	Hour 20	Hour 21	Hour 22	Hour 23	Hour 24
Month Jan																								
Average temperature (deg C)	14	13	13	13	13	13	12	13	14	15	17	18	18	18	19	18	17	16	15	15	15	15	14	14
Average humidity (%)	61	63	63	63	62	61	61	59	53	49	44	42	42	44	44	45	48	54	58	59	60	61	61	62
Month Feb																								
Average temperature (deg C)	17	17	17	16	16	16	16	16	18	20	21	22	22	22	22	22	21	20	19	18	18	18	18	18
Average humidity (%)	78	79	80	81	81	81	82	79	71	66	61	58	58	57	57	58	62	66	71	74	75	75	76	77
Month March																								
Average temperature (deg C)	20	20	20	20	20	20	20	20	21	22	23	23	23	24	24	23	23	22	21	21	21	21	21	21
Average humidity (%)	83	83	83	84	84	84	84	81	77	73	71	68	68	67	67	69	72	75	78	79	81	81	82	82
Month Apr																								
Average temperature (deg C)	23	23	23	22	22	22	22	23	24	25	26	26	26	26	26	26	25	25	24	24	24	23	23	23
Average humidity (%)	85	85	86	86	86	85	85	80	76	72	70	68	68	67	67	69	71	74	77	79	80	81	83	84
Month May																								
Average temperature (deg C)	27	27	27	27	27	27	28	29	30	31	31	31	31	31	31	31	30	29	29	28	28	28	28	28
Average humidity (%)	87	88	88	89	89	89	86	80	74	71	70	69	68	68	67	69	72	76	79	82	83	85	85	86
Month Jun																								
Average temperature (deg C)	28	28	27	27	27	27	28	28	29	29	30	30	30	30	30	30	29	29	29	28	28	28	28	28
Average humidity (%)	88	88	89	90	91	91	90	87	82	80	79	78	78	77	78	78	79	80	82	84	85	86	87	87
Month Jul																								
Average temperature (deg C)	28	28	28	28	28	28	28	29	30	31	31	31	32	32	31	31	31	30	30	29	29	29	29	29
Average humidity (%)	87	89	89	90	90	91	90	86	81	76	74	72	72	71	72	73	74	77	79	81	83	83	84	86
Month Aug																								
Average temperature (deg C)	27	27	27	27	27	27	27	28	29	30	30	30	30	30	30	30	29	29	28	28	28	28	28	28
Average humidity (%)	90	91	91	92	92	93	92	87	84	80	76	76	78	77	77	78	78	81	84	86	88	88	89	89
Month Sept																								
Average temperature (deg C)	28	28	28	28	27	27	27	29	30	31	31	32	32	31	31	31	31	30	29	29	28	28	28	28
Average humidity (%)	86	87	87	89	89	90	90	84	78	74	70	68	68	69	70	70	71	77	80	83	83	84	85	85
Month Oct																								
Average temperature (deg C)	24	24	24	24	24	24	24	24	25	26	27	27	27	27	27	27	26	26	25	25	25	25	25	25
Average humidity (%)	82	82	83	84	85	85	84	82	78	74	72	70	69	69	69	70	73	76	77	78	78	79	79	80
Month Nov																								
Average temperature (deg C)	21	20	20	20	20	20	20	20	21	22	24	24	25	25	25	25	23	22	22	21	21	21	21	21
Average humidity (%)	71	72	73	71	71	70	69	67	63	59	55	55	53	53	53	54	61	64	66	66	68	68	69	69
Month Dec																								
Average temperature (deg C)	17	17	17	17	16	16	16	16	17	18	20	20	21	21	21	21	20	19	18	18	18	18	17	17
Average humidity (%)	71	70	71	71	71	71	71	69	65	61	58	56	56	56	55	57	61	65	67	68	69	70	71	71

**Minimum Temperature and Humidity at Tuen Mun Children and Juvenile Home Weather Station in Year 2021 (adopted for short-term assessment)**

	Hour 01	Hour 02	Hour 03	Hour 04	Hour 05	Hour 06	Hour 07	Hour 08	Hour 09	Hour 10	Hour 11	Hour 12	Hour 13	Hour 14	Hour 15	Hour 16	Hour 17	Hour 18	Hour 19	Hour 20	Hour 21	Hour 22	Hour 23	Hour 24
Month Jan																								
Minimum temperature (deg C)	8	7	7	6	6	7	6	7	7	8	8	8	9	8	8	8	8	8	8	8	8	8	8	8
Minimum humidity (%)	25	24	24	25	26	26	26	26	23	22	22	16	19	18	19	20	22	22	25	26	27	26	30	29
Month Feb																								
Minimum temperature (deg C)	15	14	14	13	14	14	13	15	15	14	14	14	15	15	15	15	14	14	15	15	15	15	15	15
Minimum humidity (%)	59	62	64	65	45	42	43	44	39	36	34	33	37	40	37	36	41	48	59	60	63	61	63	63
Month March																								
Minimum temperature (deg C)	16	16	16	15	15	15	15	15	15	15	16	17	18	18	18	18	17	17	17	16	17	17	17	16
Minimum humidity (%)	50	53	54	54	51	52	54	49	49	49	55	49	49	48	49	48	51	52	53	55	52	51	49	47
Month Apr																								
Minimum temperature (deg C)	20	19	19	19	18	18	18	19	19	18	19	20	20	20	20	20	20	20	20	20	20	20	20	21
Minimum humidity (%)	67	69	66	63	65	63	58	39	41	39	38	38	47	45	50	49	47	53	59	62	63	66	69	70
Month May																								
Minimum temperature (deg C)	21	22	23	23	23	23	23	24	24	24	25	25	25	26	26	26	25	25	25	24	23	23	23	22
Minimum humidity (%)	75	77	74	75	74	75	76	68	62	61	59	54	56	57	54	56	62	67	70	73	76	77	77	79
Month Jun																								
Minimum temperature (deg C)	25	24	24	24	24	24	25	25	24	24	25	25	25	25	25	25	26	26	25	24	24	24	24	24
Minimum humidity (%)	80	81	76	79	79	82	78	72	63	65	60	63	65	60	60	60	60	60	61	69	68	67	70	66
Month Jul																								
Minimum temperature (deg C)	26	26	25	25	26	25	26	26	26	25	25	25	25	25	25	25	26	26	26	26	26	26	26	26
Minimum humidity (%)	80	79	81	84	82	83	82	74	68	61	56	51	56	56	55	53	62	63	65	70	75	74	76	79
Month Aug																								
Minimum temperature (deg C)	25	25	24	24	24	25	25	26	25	26	26	25	25	24	23	23	23	23	23	23	23	24	24	24
Minimum humidity (%)	77	78	78	77	79	78	79	75	70	62	58	62	63	60	62	64	60	63	63	69	78	80	77	77
Month Sept																								
Minimum temperature (deg C)	25	25	26	26	26	26	26	27	27	28	27	28	29	28	27	28	28	26	25	25	25	25	25	25
Minimum humidity (%)	74	73	72	77	71	79	79	74	71	64	60	61	56	53	50	58	63	65	67	72	69	73	73	75
Month Oct																								
Minimum temperature (deg C)	18	17	18	18	17	16	17	17	17	18	19	19	19	19	19	19	19	19	18	19	18	19	19	19
Minimum humidity (%)	67	66	65	68	70	70	69	68	63	57	52	49	49	52	55	50	59	59	60	61	63	65	66	62
Month Nov																								
Minimum temperature (deg C)	15	16	15	15	15	15	15	15	14	15	15	15	15	15	16	16	16	16	16	16	16	16	17	15
Minimum humidity (%)	37	37	38	39	36	33	32	34	34	31	28	32	29	28	27	29	39	42	38	36	39	38	36	37
Month Dec																								
Minimum temperature (deg C)	10	10	9	9	9	9	9	9	9	10	10	10	11	11	12	12	12	11	11	11	11	11	11	10
Minimum humidity (%)	28	30	30	30	29	29	30	31	28	26	22	22	22	22	21	22	31	31	34	32	35	34	33	27

**Annex - 2**

Map Index



**Annex - 3**

Lam Tei Area

Map 1-11  
Lam Tei Area



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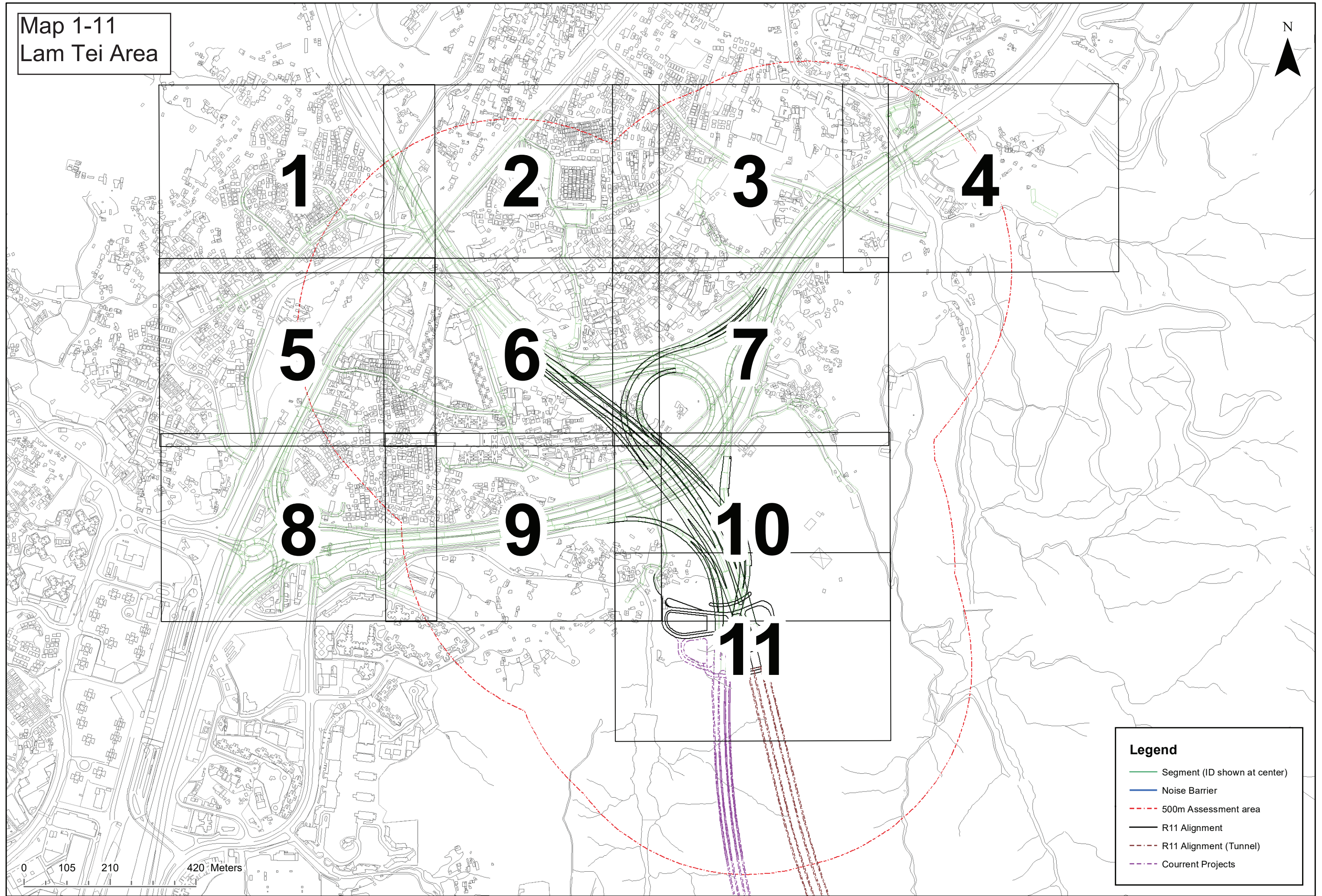
10

11

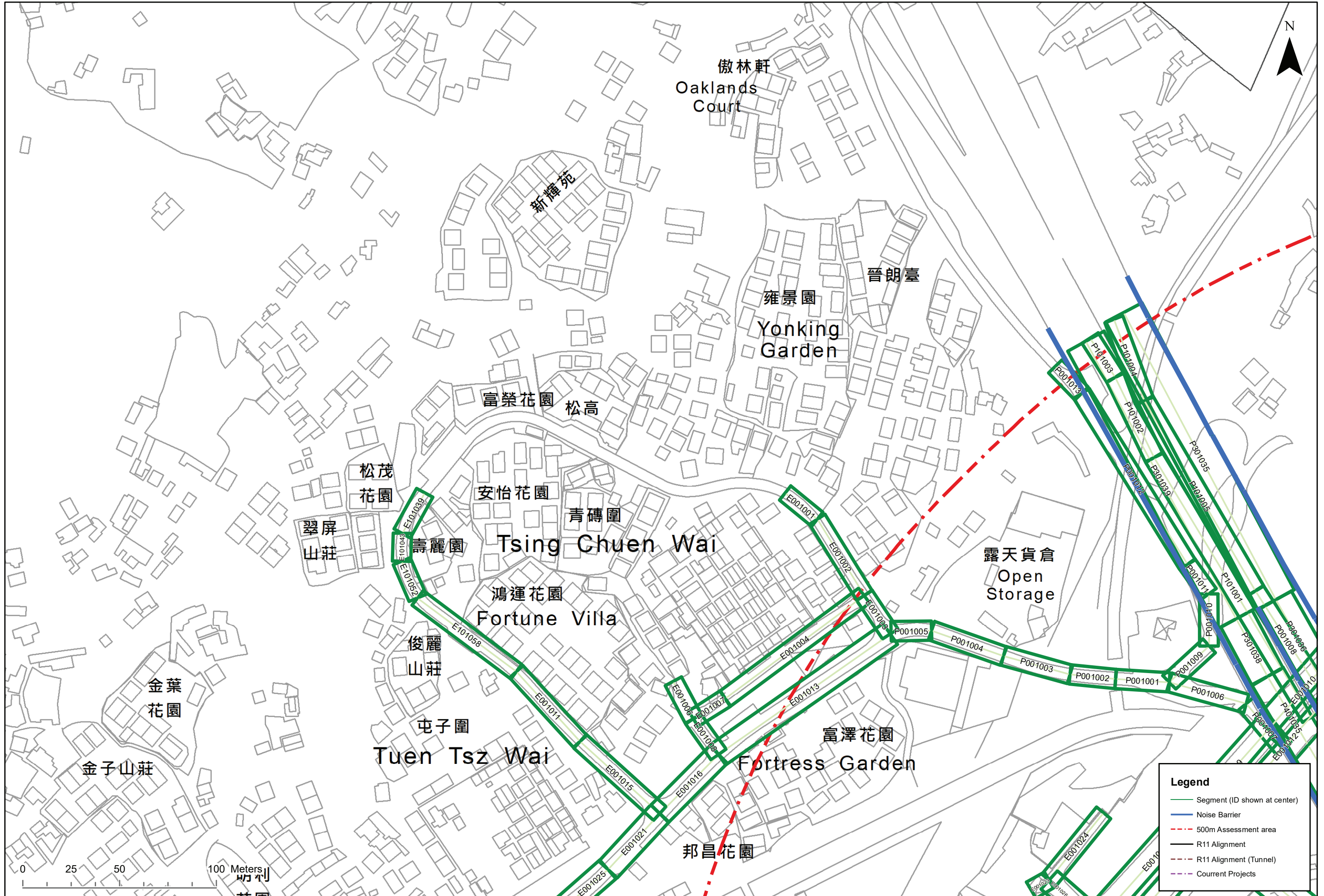
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**Legend**

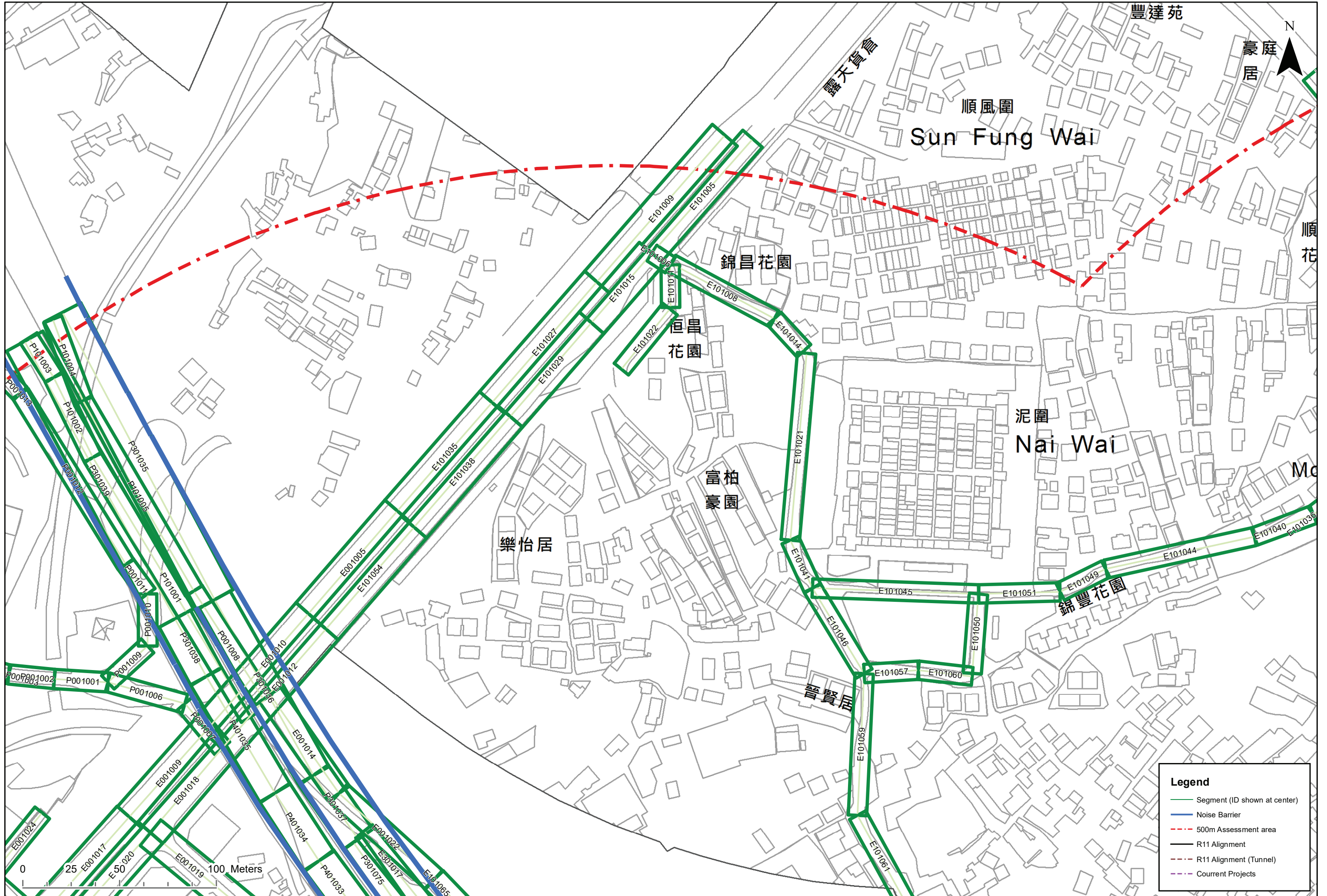
- Segment (ID shown at center)
- Noise Barrier
- 500m Assessment area
- R11 Alignment
- R11 Alignment (Tunnel)
- Current Projects



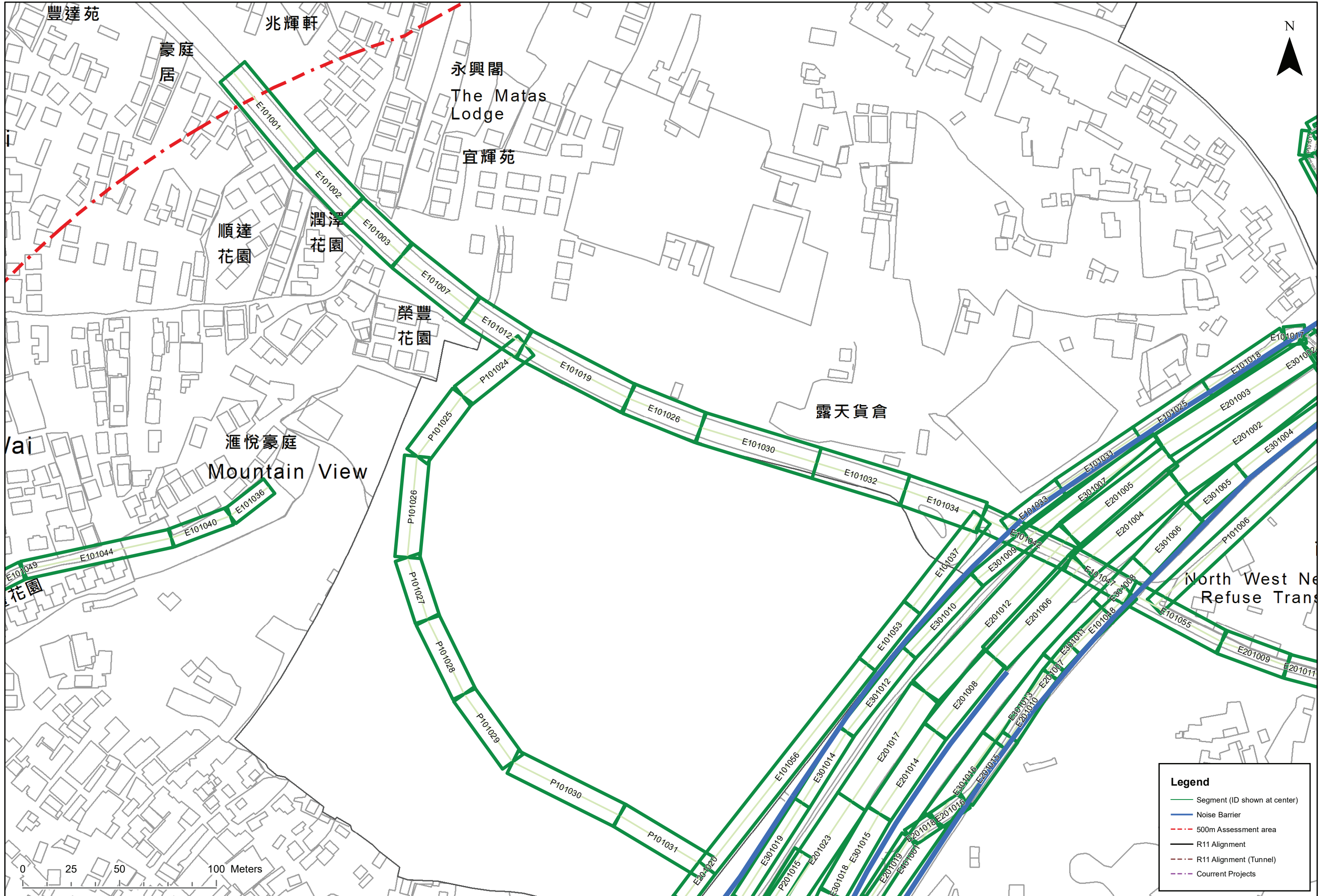
Map 1

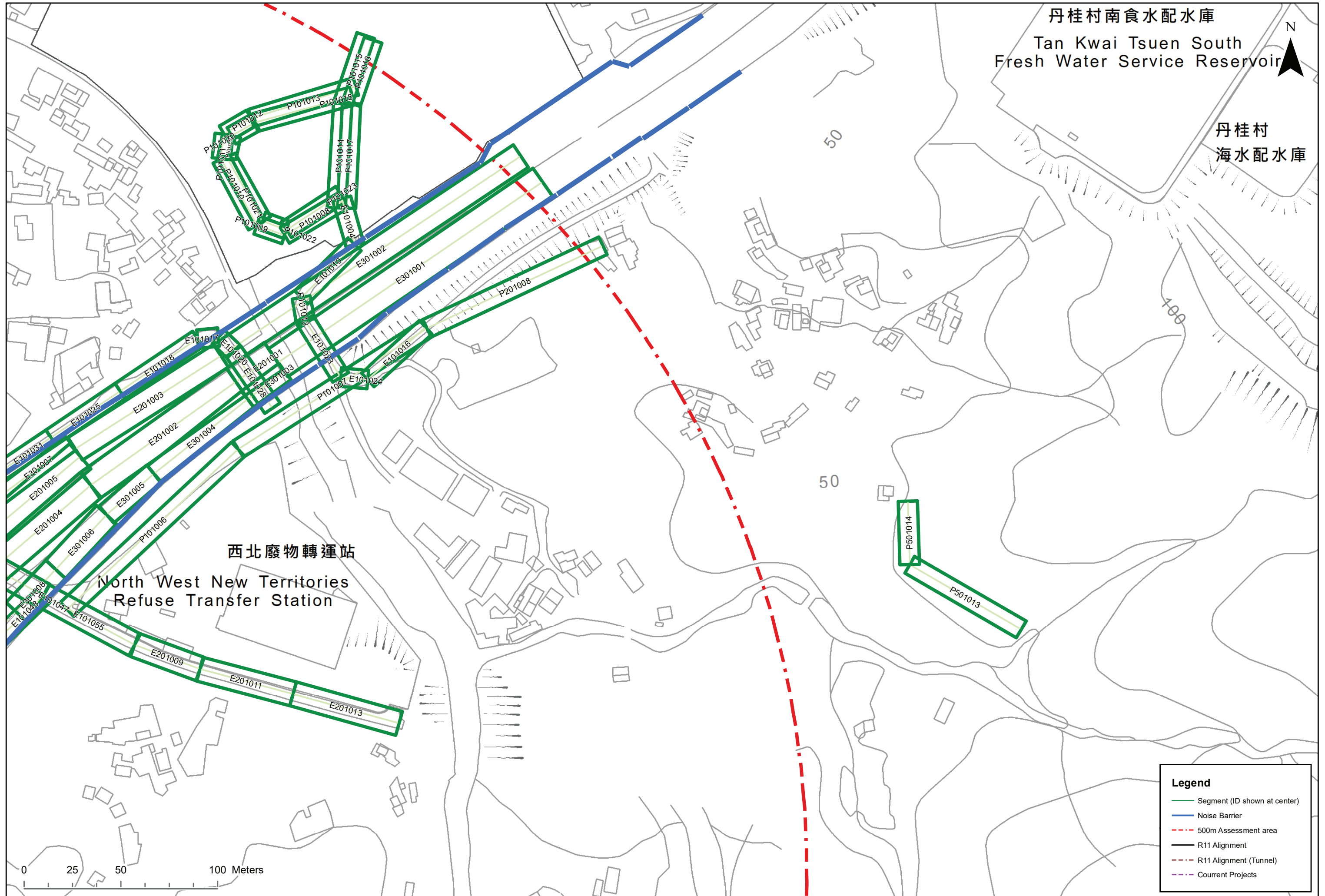


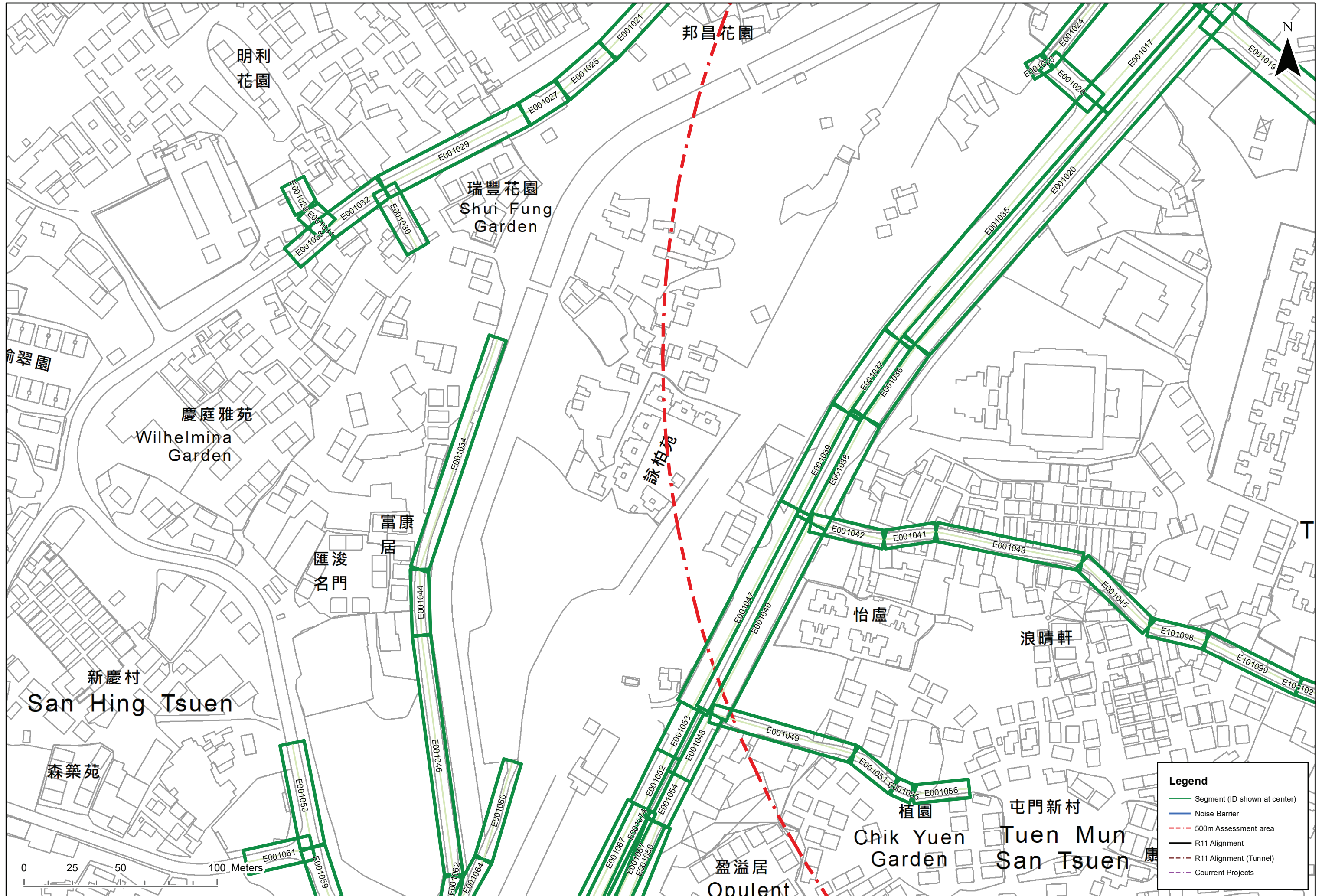




Map 3







明利花園

邦昌花園

瑞豐花園  
Shui Fung Garden

慶庭雅苑  
Wilhelmina Garden

富康居  
匯俊名門

新慶村  
San Hing Tsuen

森築苑

詠柏苑

怡廬

浪晴軒

植園  
Chik Yuen Garden

屯門新村  
Tuen Mun San Tsuen

盈溢居  
Opulent

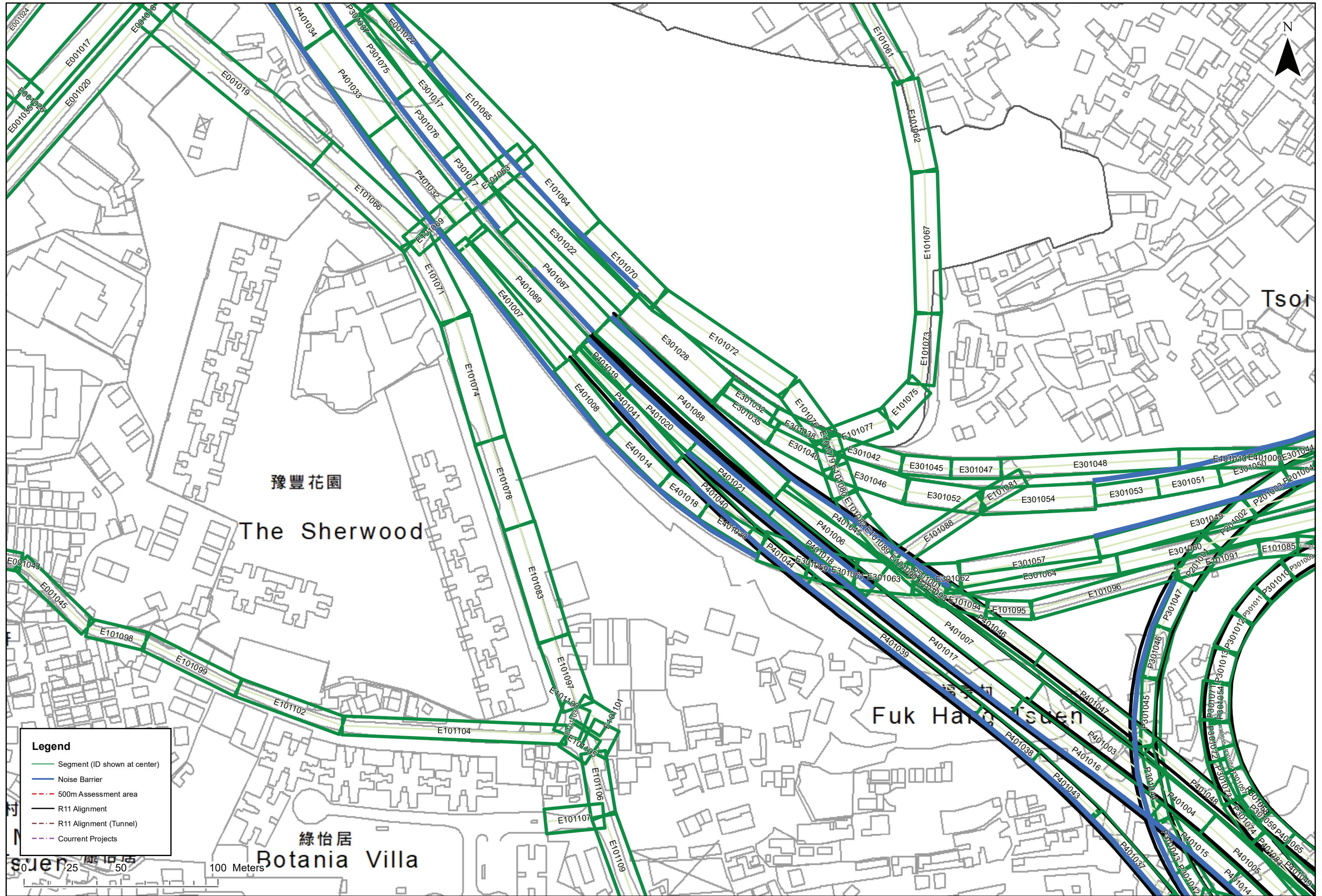
Legend

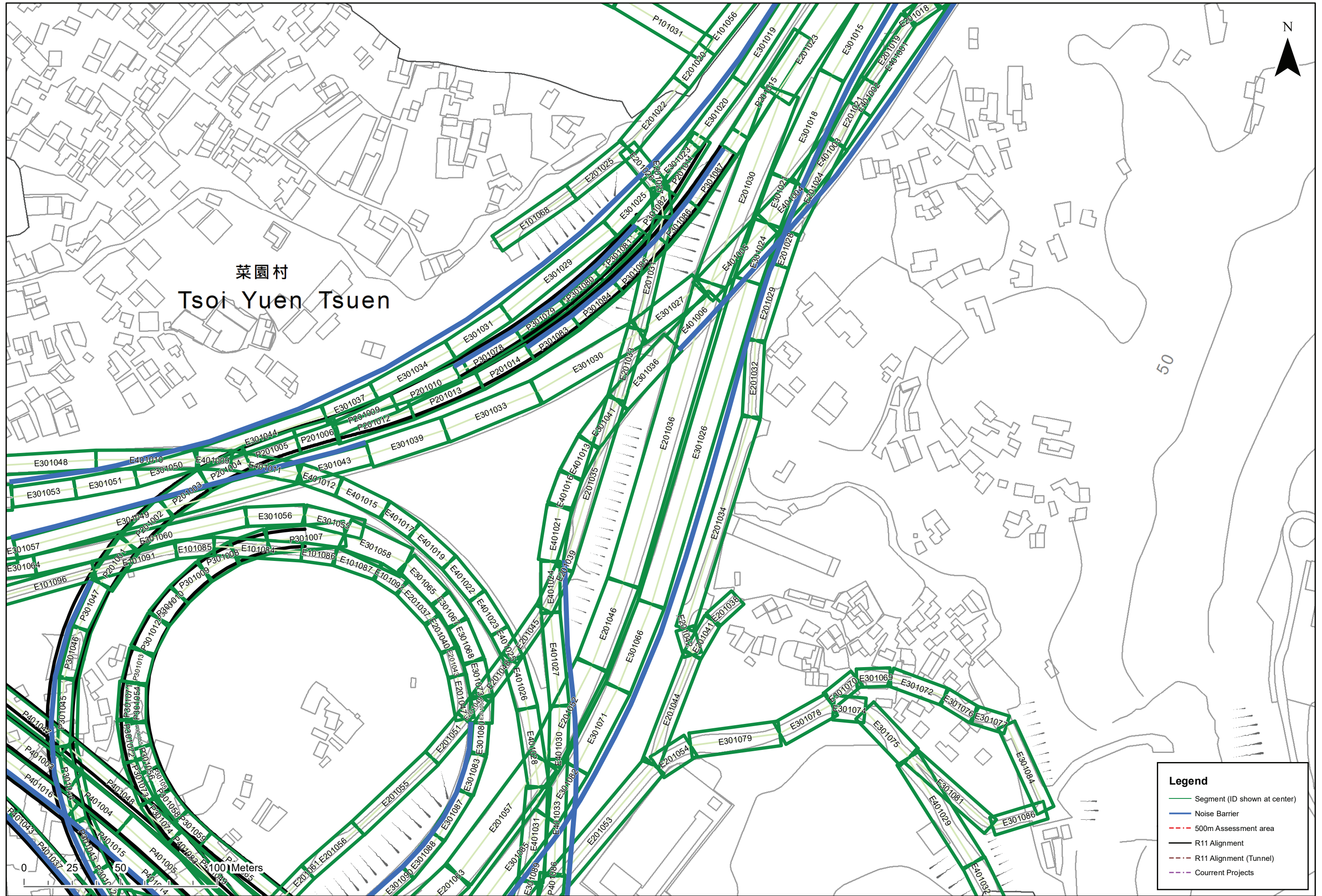
- Segment (ID shown at center)
- Noise Barrier
- 500m Assessment area
- R11 Alignment
- R11 Alignment (Tunnel)
- Current Projects

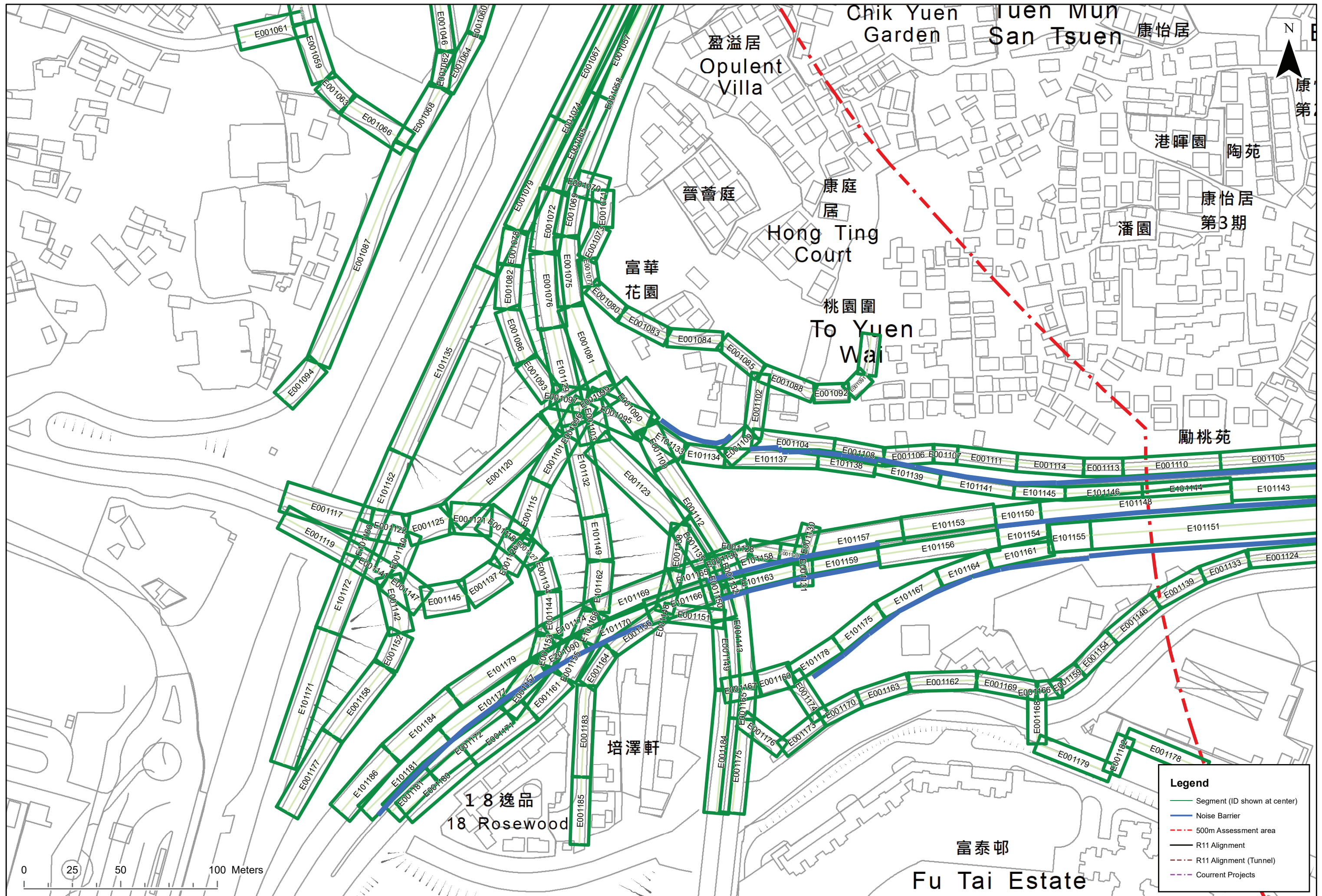
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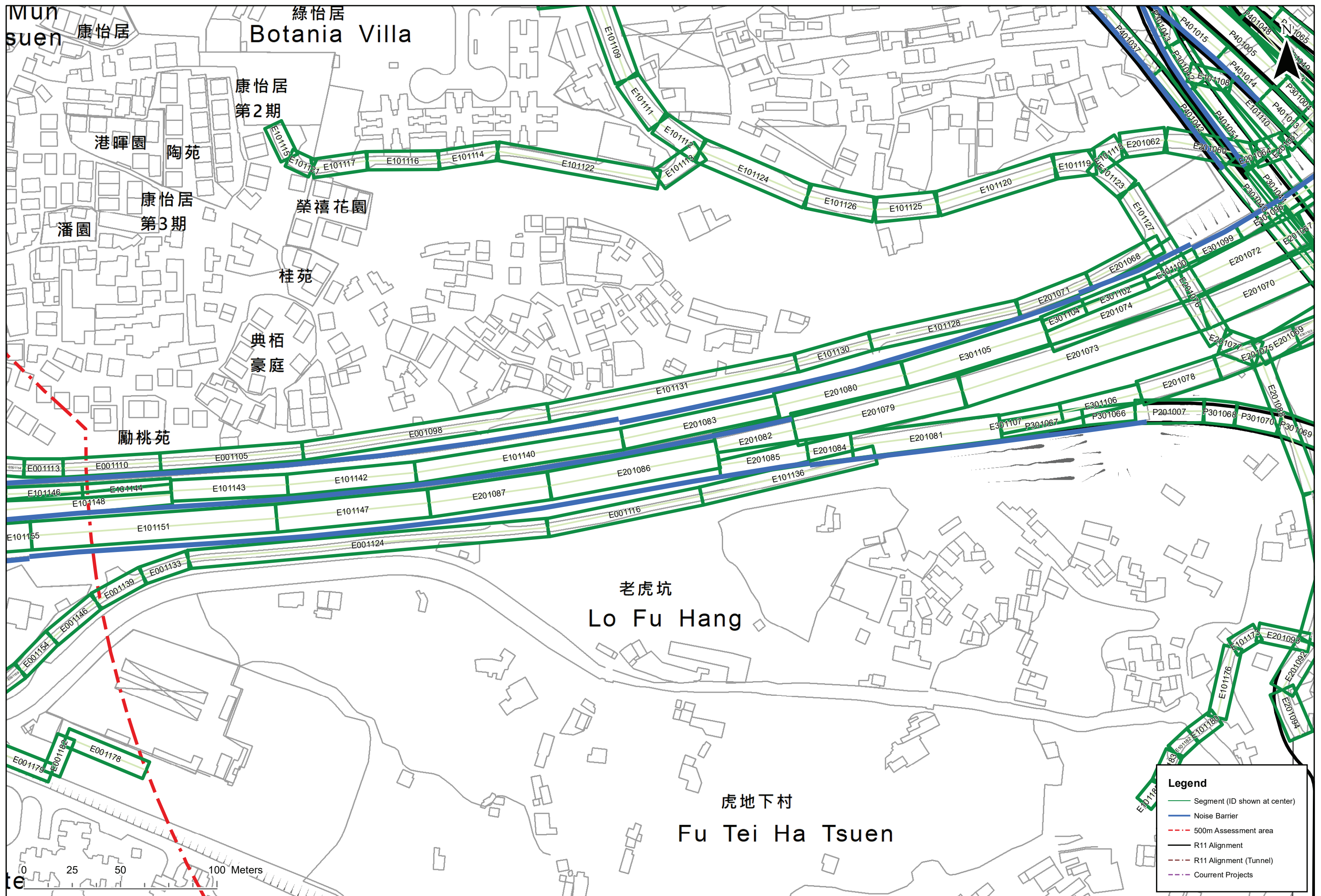


Map 6









Mun  
suen

綠怡居  
Botania Villa

康怡居  
第2期

港暉園  
陶苑

康怡居  
第3期

榮禧花園

桂苑

典栢  
豪庭

勵桃苑

老虎坑  
Lo Fu Hang

虎地下村  
Fu Tei Ha Tsuen

**Legend**

- Segment (ID shown at center)
- Noise Barrier
- - - 500m Assessment area
- R11 Alignment
- - - R11 Alignment (Tunnel)
- - - Current Projects

0 25 50 100 Meters



Map 10



**Legend**

- Segment (ID shown at center)
- Noise Barrier
- 500m Assessment area
- R11 Alignment
- R11 Alignment (Tunnel)
- Current Projects





Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (m), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing various parameters for each segment.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mixing Width), Road Length, With Barrier, Calline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing various parameters for each segment.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Calline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing various parameters for each segment.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (mixing width), Road Length, With Barrier, Calline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing traffic flow and road characteristics for various segments.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Callee Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing various parameters for each segment.



Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mixing Width), Road Length, With Barrier, Callee Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each Hr column contains 12 sub-columns for Flow and EmF values.

Hourly Composite Vehicular Emission Factor for NO2 (1st Jan, Year 2048, Long term)

Table with 48 columns (Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width, Road Length, With Barrier, Caline Road Type, Hr01-Hr24) and 1000 rows of emission factor data.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Widening), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing environmental assessment metrics for various road segments.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Calline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing environmental assessment metrics for various road segments.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Callee Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing environmental assessment metrics for various road segments.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Callee Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing environmental assessment metrics for various road segments.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Callee Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing environmental assessment metrics for various road segments.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mixing Width), Road Length, With Barrier, Callee Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each Hr column contains sub-columns for Flow and Emf.



Hourly Composite Vehicular Emission Factor for NO (1st Jan, Year 2048, Short term)

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Winding), Road Length, With Barrier, Caline Road Type, Hr01-Hr24 (Flow, Emf), Hr25-Hr48 (Flow, Emf). Each hour has Flow and Emf sub-columns. The table contains 1,440 rows (24 hours x 60 segments).

Table with 31 columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mixing Width), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing road characteristics and traffic flow metrics.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing environmental assessment metrics for various road segments.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Calline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing various parameters for each segment.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing various parameters for each segment.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Callee Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing various parameters for each segment.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mixing Width), Road Length, With Barrier, Callee Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each Hr column contains sub-columns for Flow and Emf.

Hourly Composite Vehicular Emission Factor for NO2 (1st Jan, Year 2048, Short term)

Table with 28 columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width, Road Length, and 24 columns for Hr01 to Hr24. Each cell contains numerical values representing emission factors.



Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing environmental impact metrics for various road segments.



Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Callee Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing various parameters for each segment.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing environmental assessment metrics for various road segments.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Callee Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing traffic flow and environmental metrics for various road segments.

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mixing Width), Road Length, With Barrier, and 32 columns for Road Type (Hr01 to Hr24). Each column contains numerical data for various metrics.

Hourly Composite Vehicular Emission Factor for RSP (1st Jan, Year 2033)

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width, Road Length, and 24 columns for Hr01-Hr24. Each cell contains numerical values representing emission factors.

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width, Road Length, and various Hr01-Hr24 parameters. The table contains 1000 rows of data.



Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mith), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing environmental impact metrics for various road segments.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mixing Width), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing environmental assessment metrics for various road segments.

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mixing Width), Road Length, With Barrier, Caline Road Type, and 48 columns for Hr01 to Hr24. Each cell contains numerical data representing environmental assessment metrics.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mixing Width), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing traffic volume or related metrics.

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mixing Width), Road Length, With Barrier, and Callee Road Type. It contains 100 rows of data, each representing a road segment with detailed spatial and structural information.

Hourly Composite Vehicular Emission Factor for FSP (1st Jan, Year 2033)

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width, Road Length, and 24 columns for Hr01-Hr24. Each cell contains numerical values representing emission factors.

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mith), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing various parameters for each segment.

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for Hr01 to Hr24. Each cell contains numerical data representing environmental assessment metrics for each segment and hour.



Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mixing Width), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing environmental assessment metrics for various road segments.

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mixing Width), Road Length, With Barrier, Caline Road Type, and 48 columns for Hr01 to Hr24. Each column contains numerical data representing environmental impact metrics for that segment and hour.

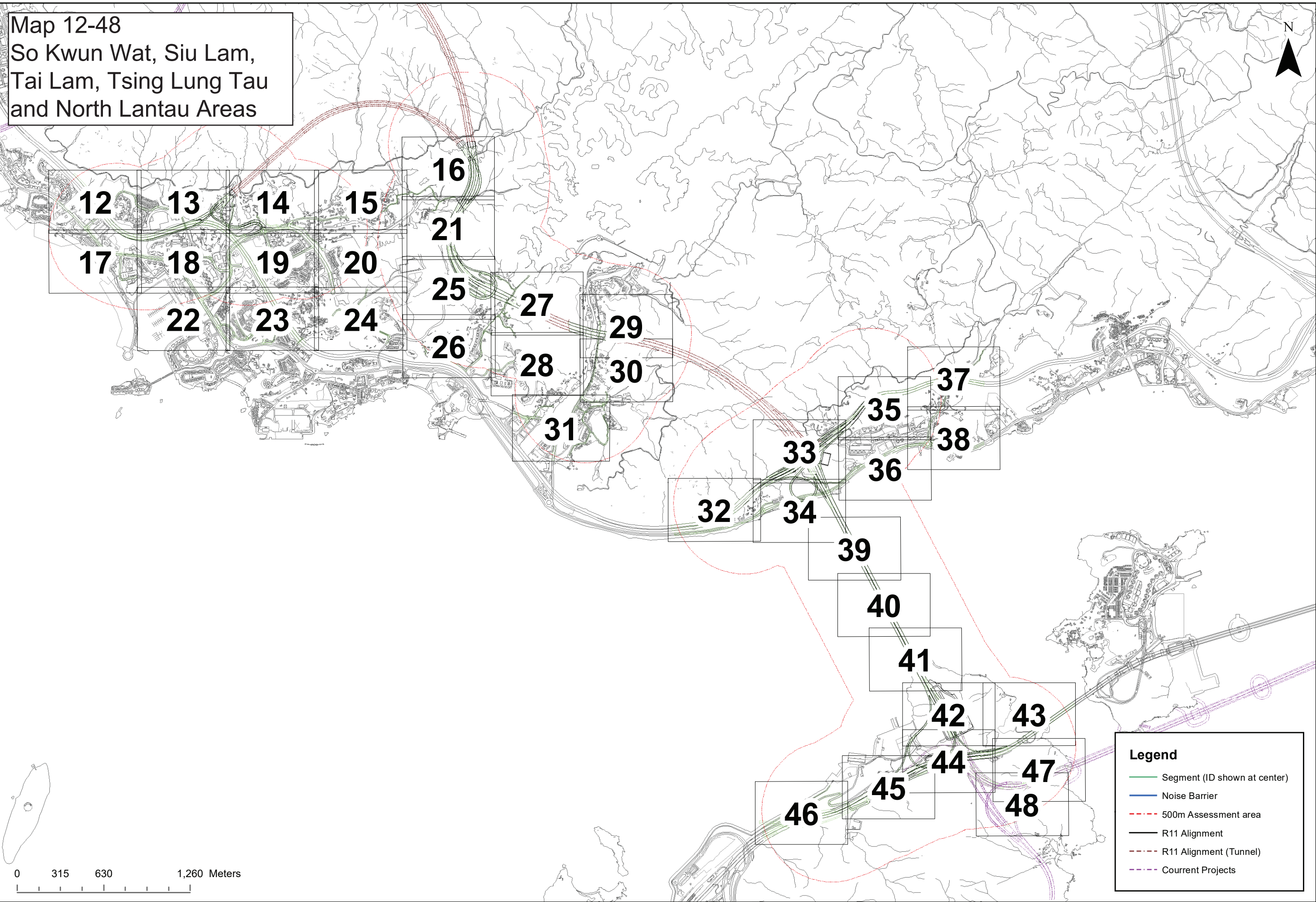
Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mixing Width), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing environmental impact metrics for various road segments.

Table with 48 columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mixing Width), Road Length, With Barrier, Callee Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each column contains numerical data representing environmental impact metrics for various road segments.

**Annex - 4**

So Kwun Wat, Siu Lam and Tai Lam,  
Tsing Lung Tau and North Lantau Areas

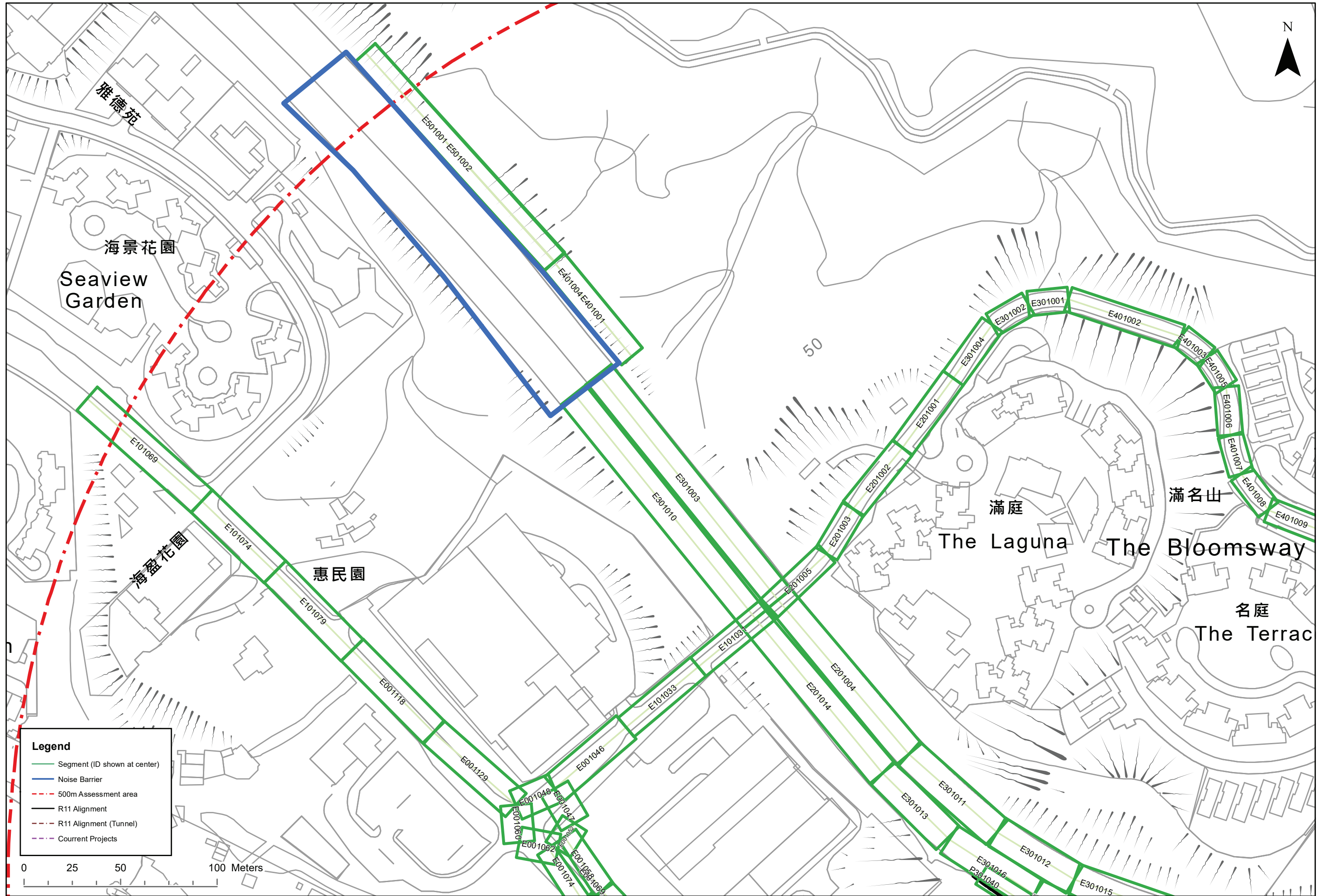
Map 12-48  
 So Kwun Wat, Siu Lam,  
 Tai Lam, Tsing Lung Tau  
 and North Lantau Areas



**Legend**

- Segment (ID shown at center)
- Noise Barrier
- 500m Assessment area
- R11 Alignment
- R11 Alignment (Tunnel)
- Current Projects

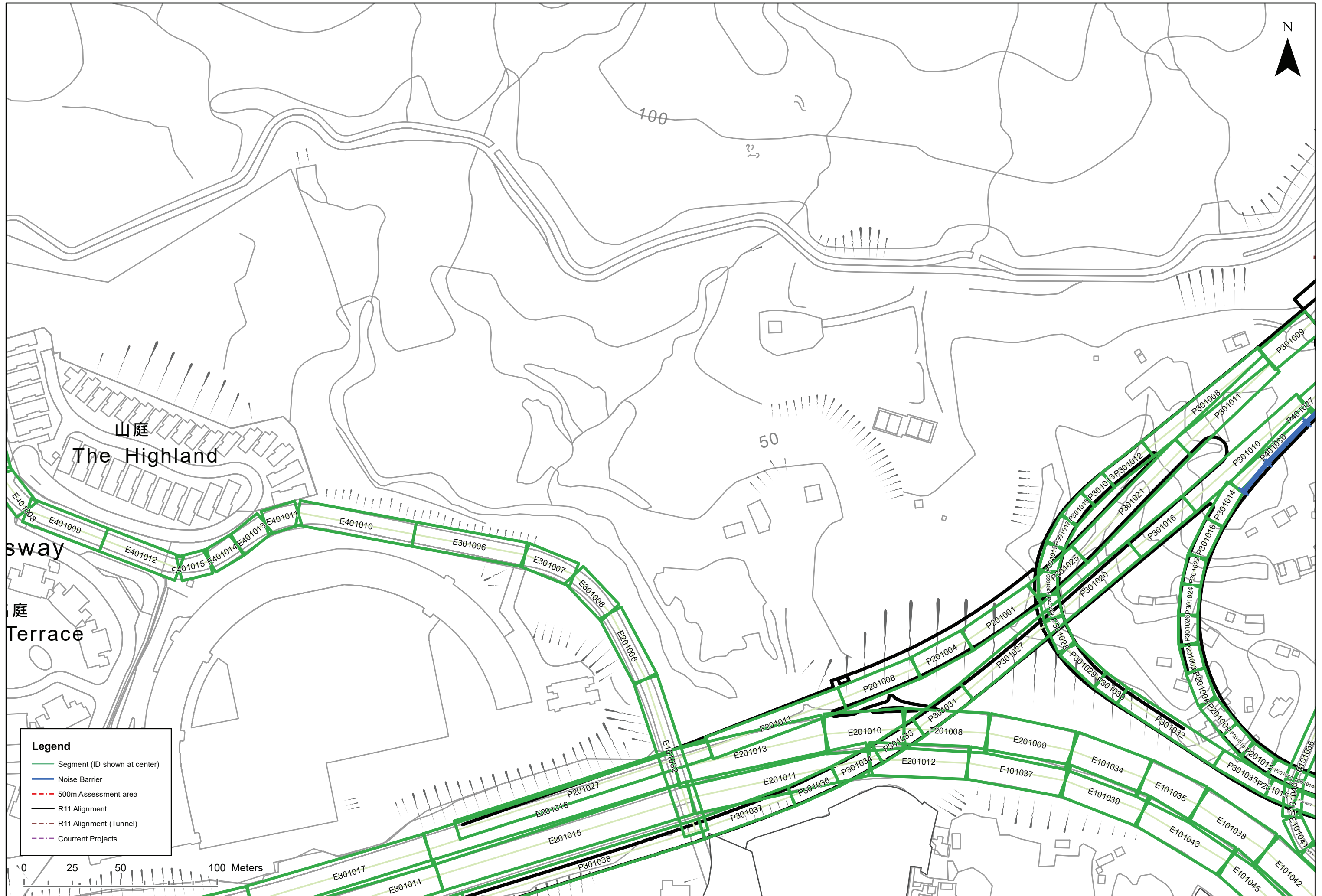
0 315 630 1,260 Meters



**Legend**

- Segment (ID shown at center)
- Noise Barrier
- 500m Assessment area
- R11 Alignment
- R11 Alignment (Tunnel)
- Current Projects

0 25 50 100 Meters



山庭  
The Highland

sway  
庭  
Terrace

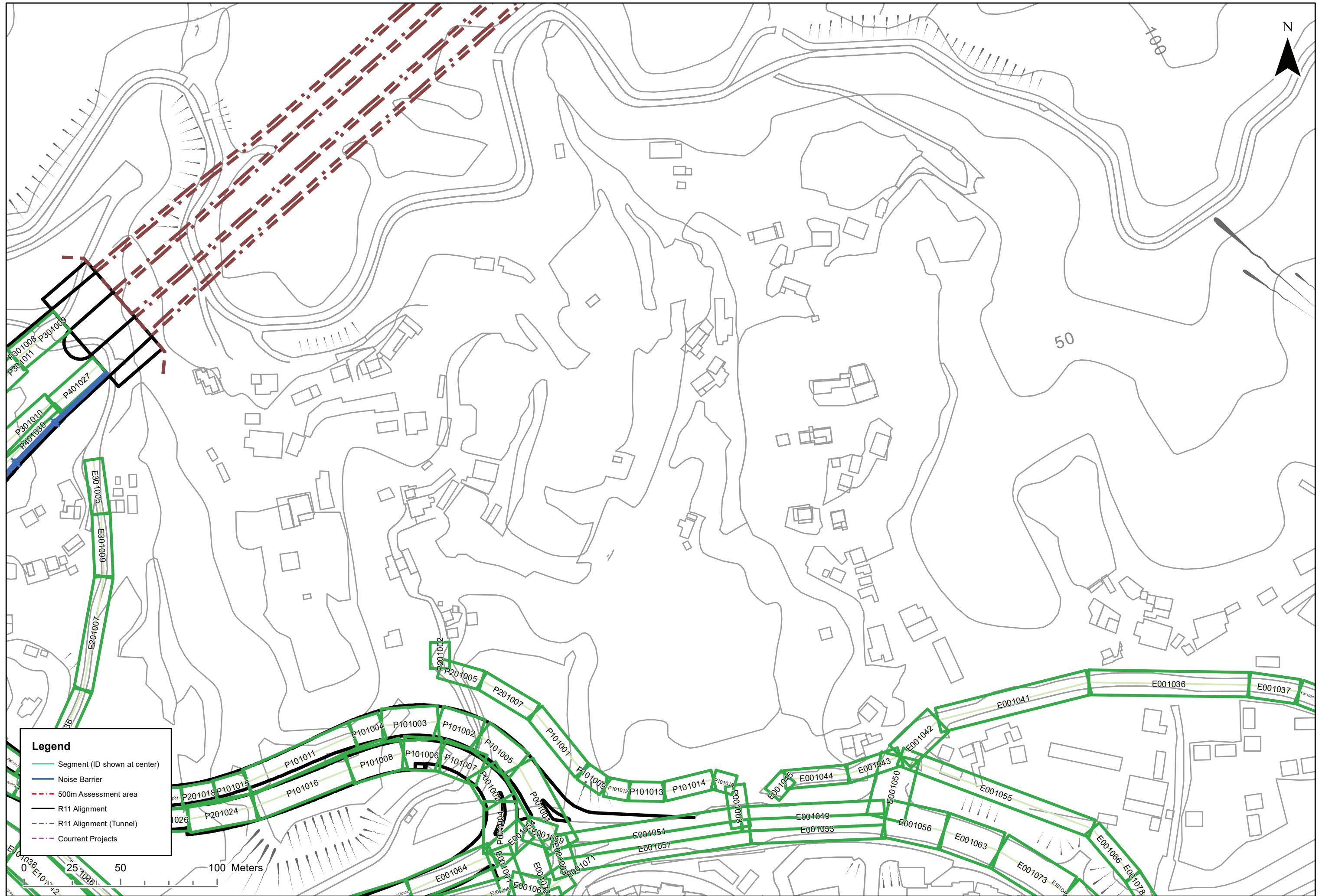
**Legend**

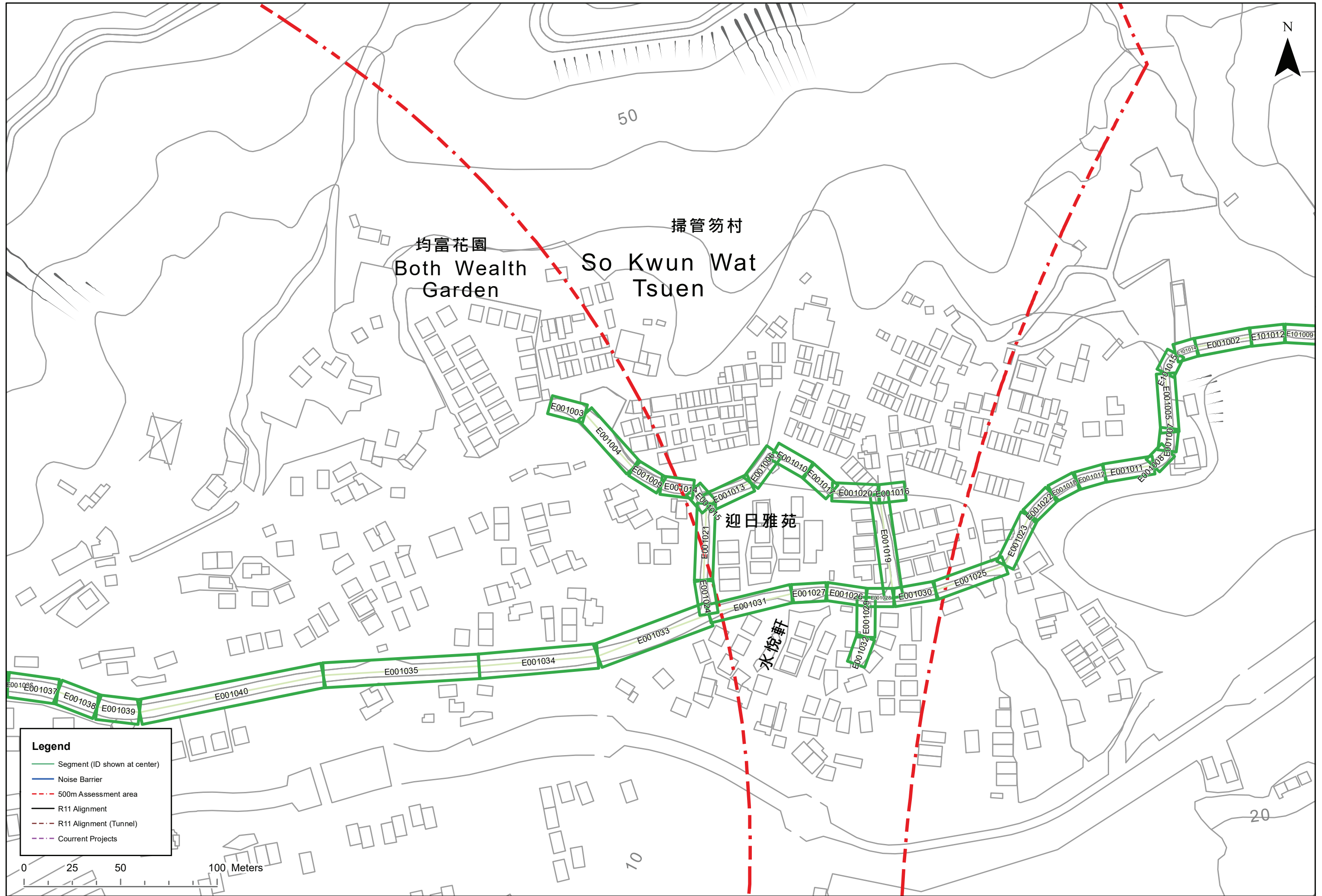
- Segment (ID shown at center)
- Noise Barrier
- 500m Assessment area
- R11 Alignment
- R11 Alignment (Tunnel)
- Current Projects

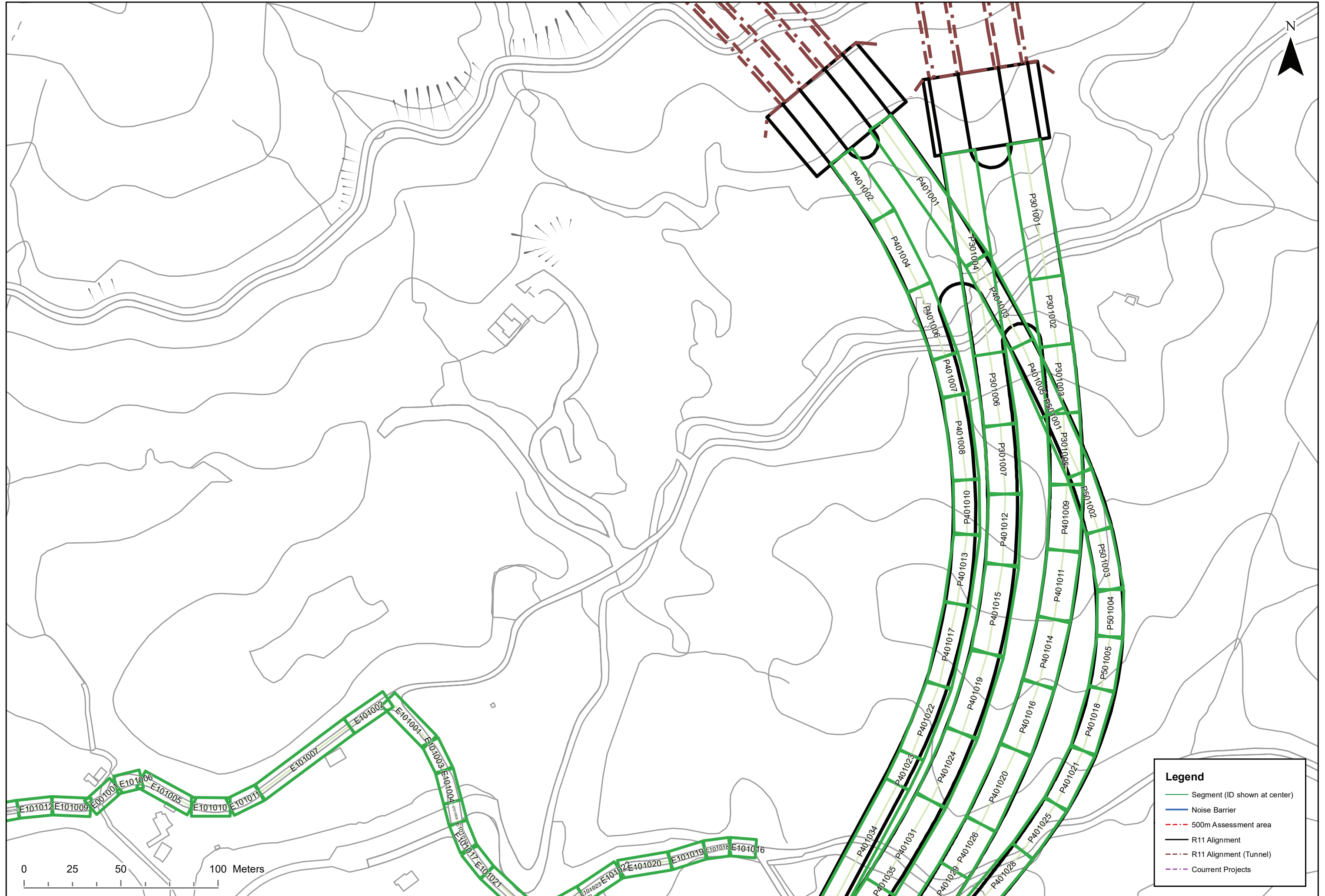
0 25 50 100 Meters

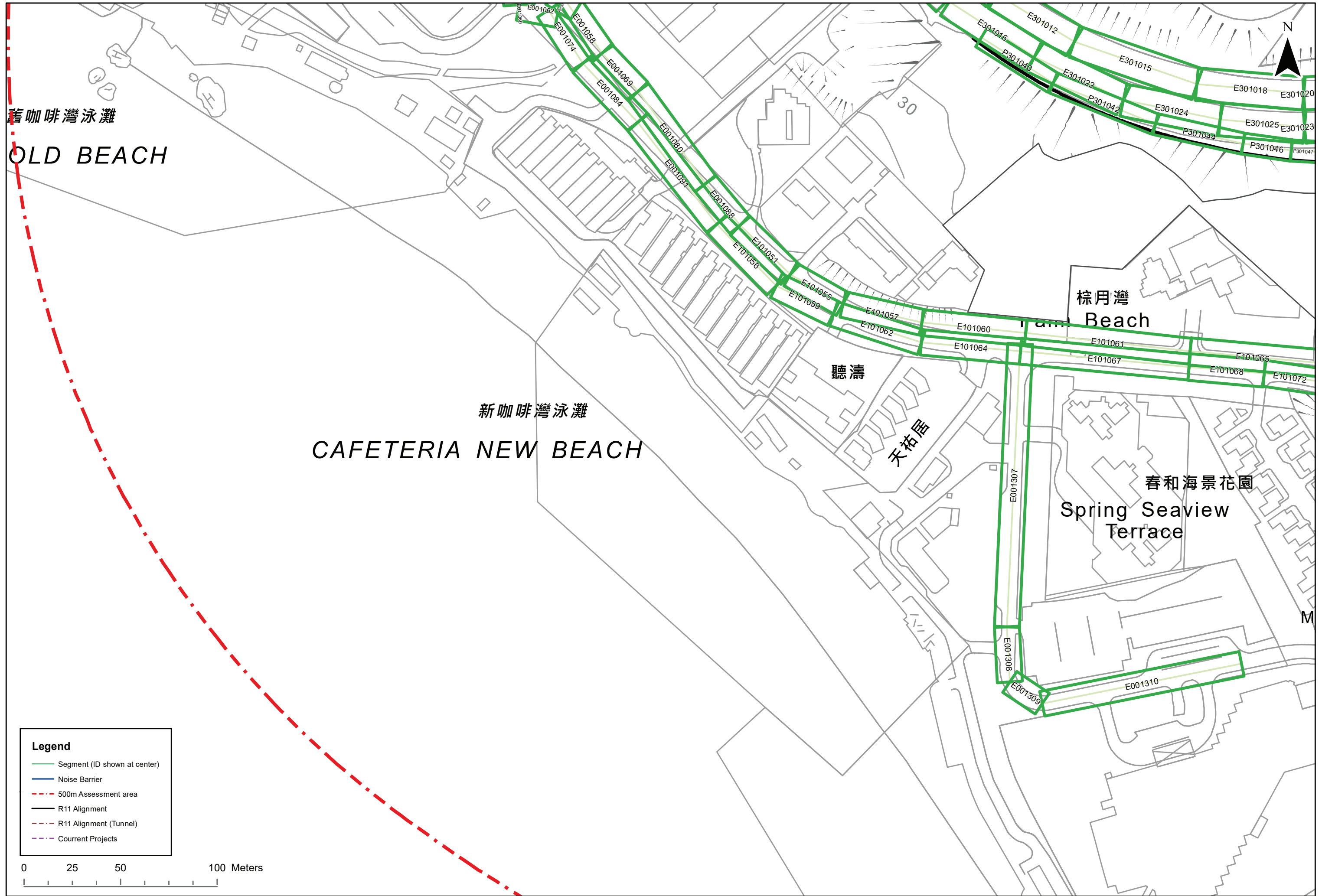












舊咖啡灣泳灘  
**OLD BEACH**

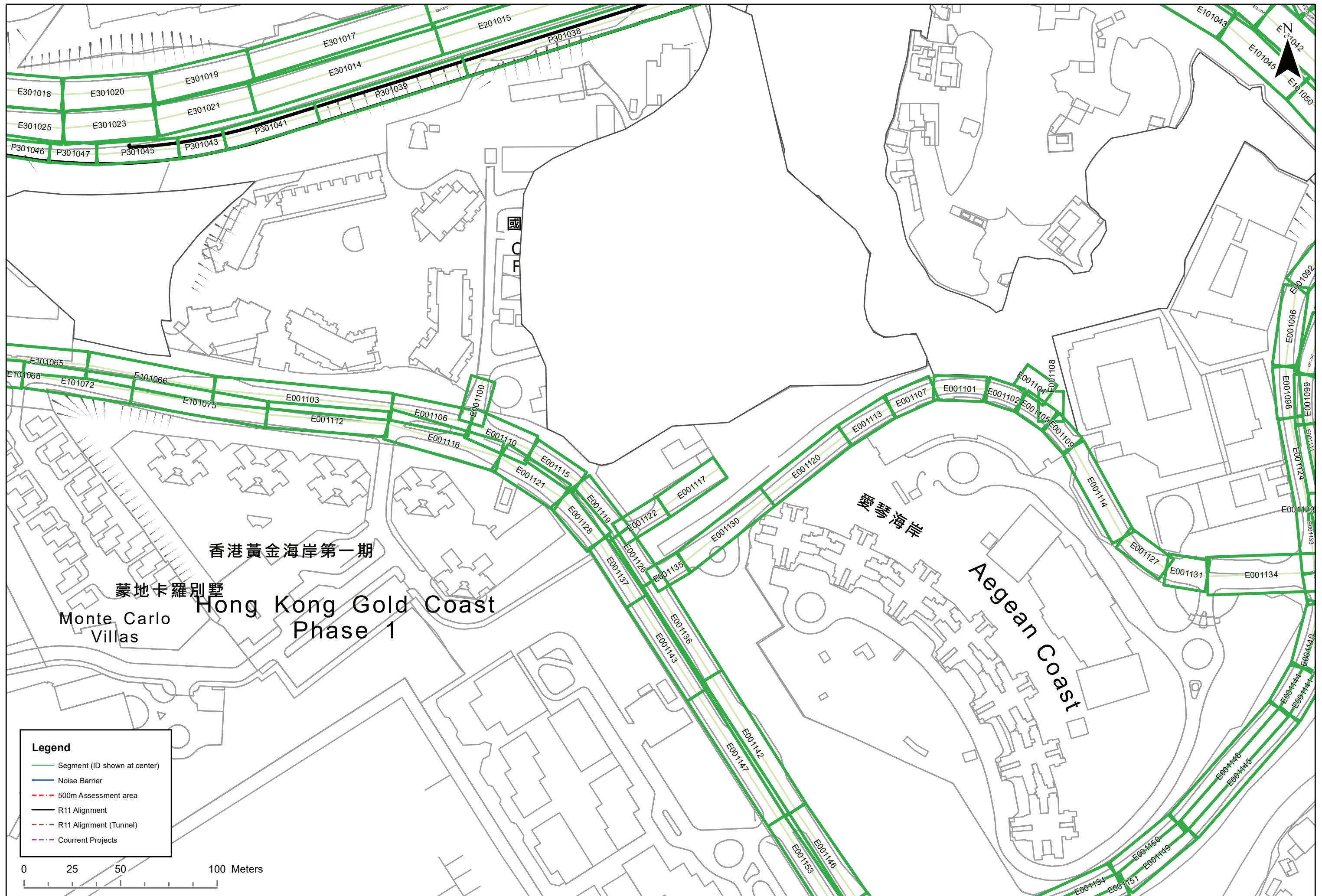
新咖啡灣泳灘  
**CAFETERIA NEW BEACH**

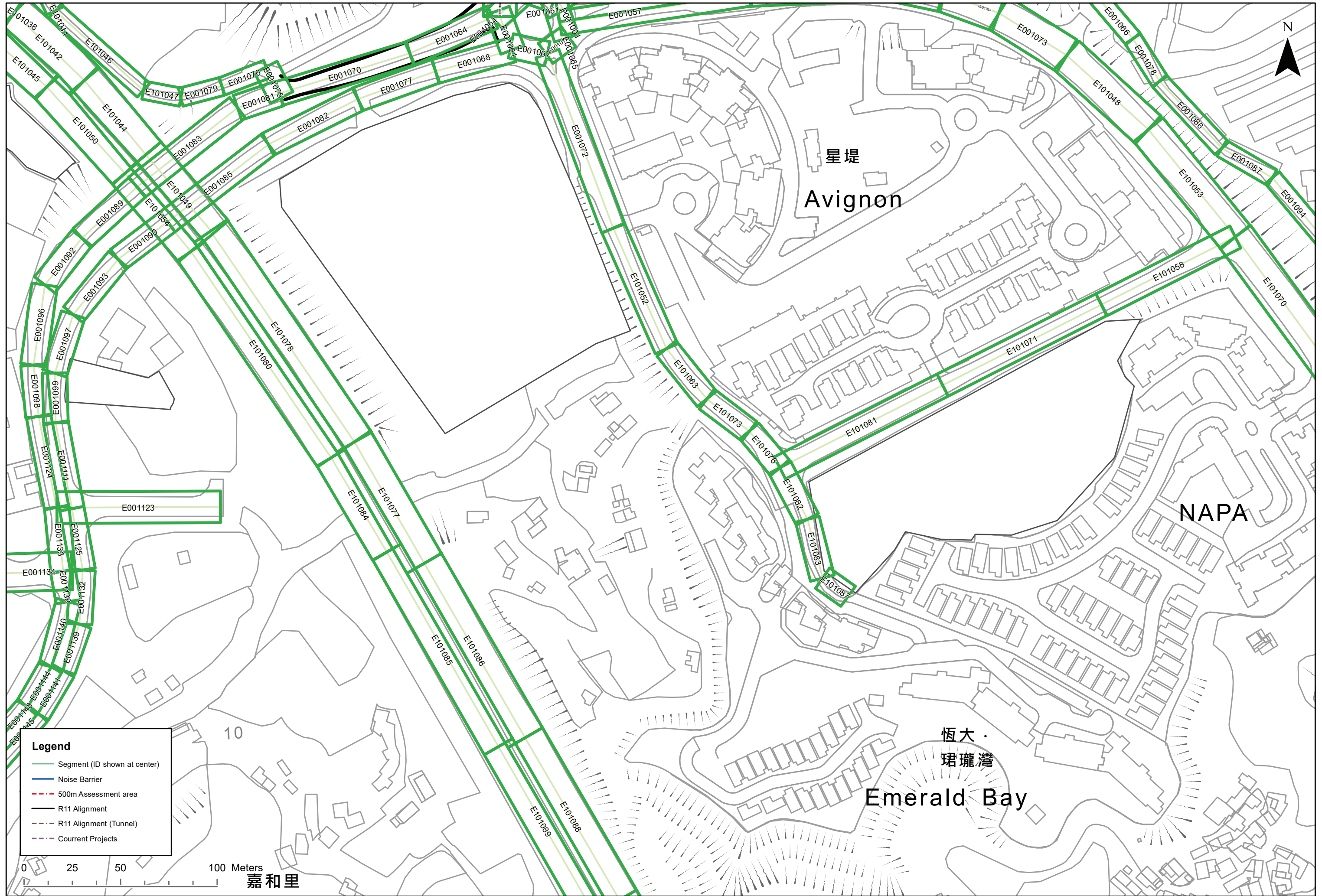
棕月灣  
**Spring Beach**  
 春和海景花園  
**Spring Seaview Terrace**

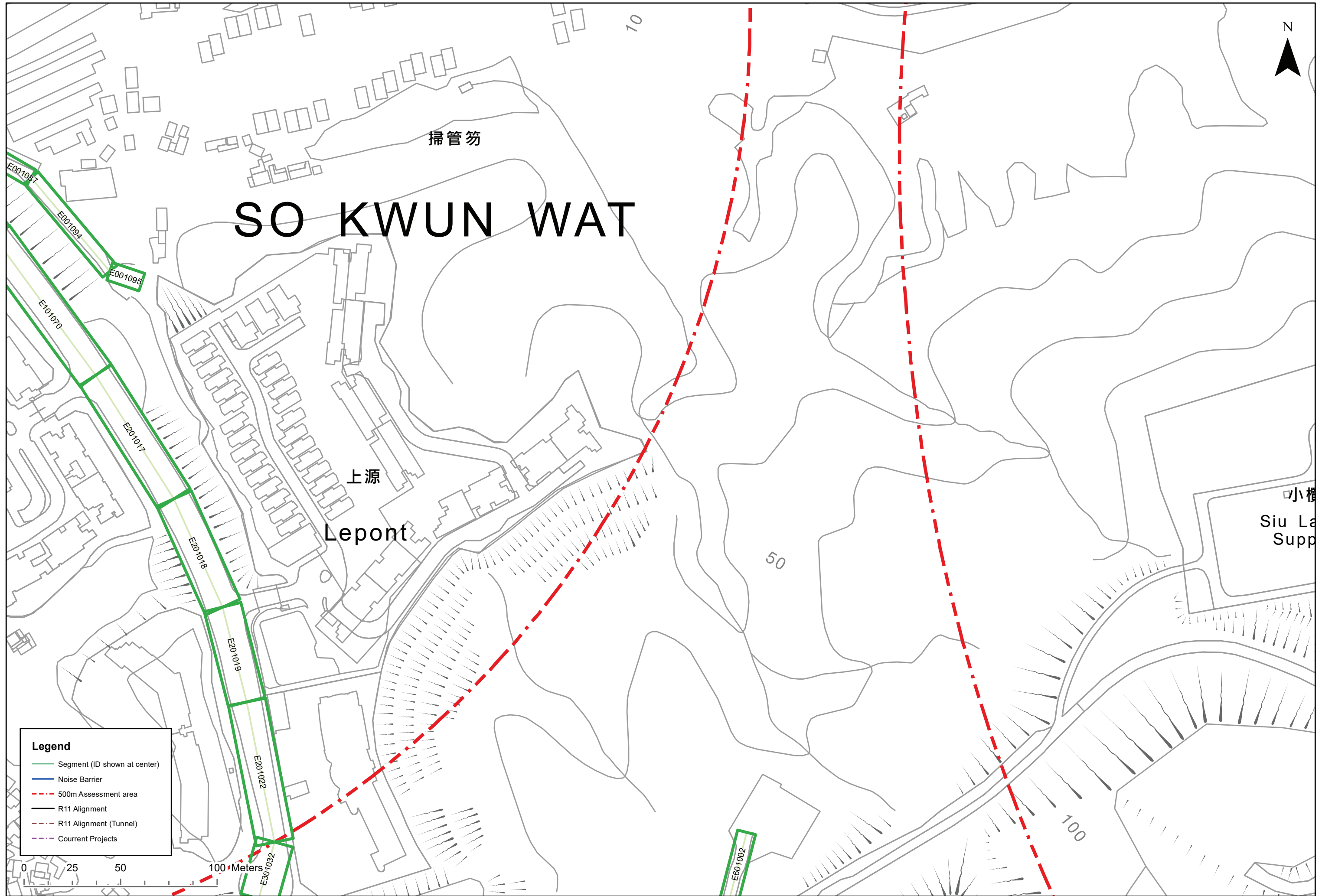
**Legend**

- Segment (ID shown at center)
- Noise Barrier
- · - · 500m Assessment area
- R11 Alignment
- - - R11 Alignment (Tunnel)
- - - Courent Projects









# SO KWUN WAT

掃管笏

上源

Lepont

小樓  
Siu La  
Supp

- Legend**
- Segment (ID shown at center)
  - Noise Barrier
  - 500m Assessment area
  - R11 Alignment
  - R11 Alignment (Tunnel)
  - Current Projects

0 25 50 100 Meters



10

50

100

E001087  
E001094  
E001095

E101070

E201017

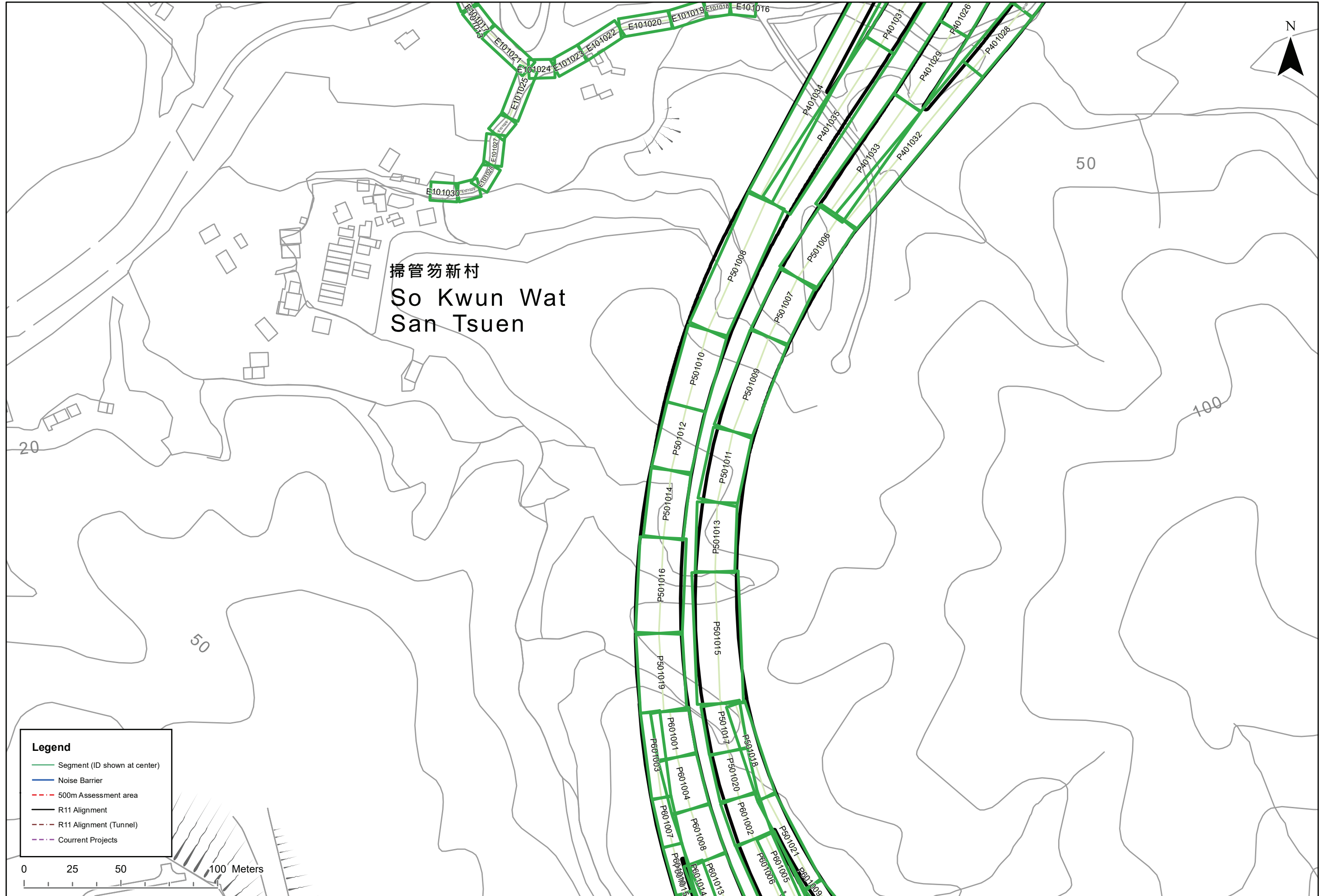
E201018

E201019

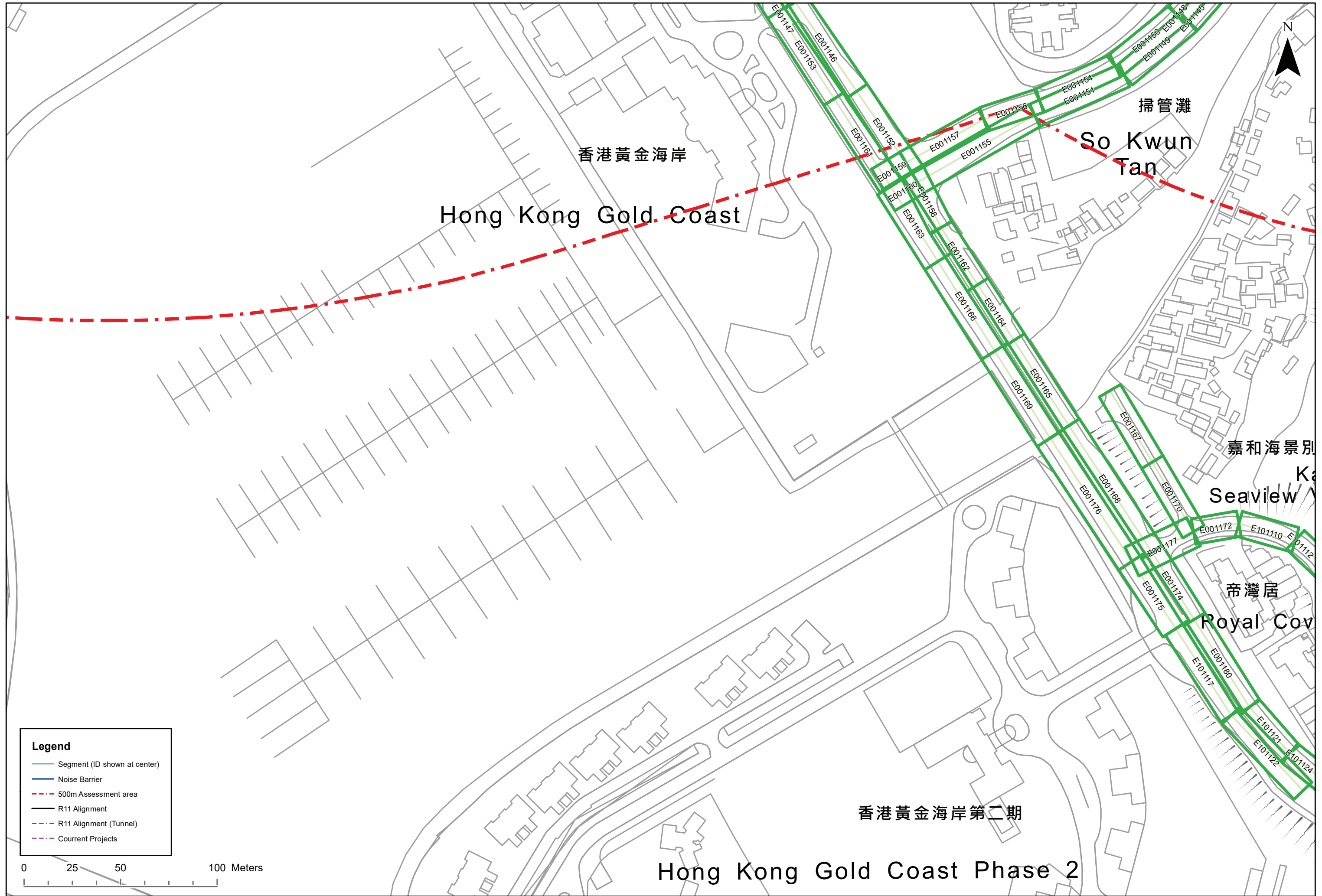
E201022

E301032

E601002





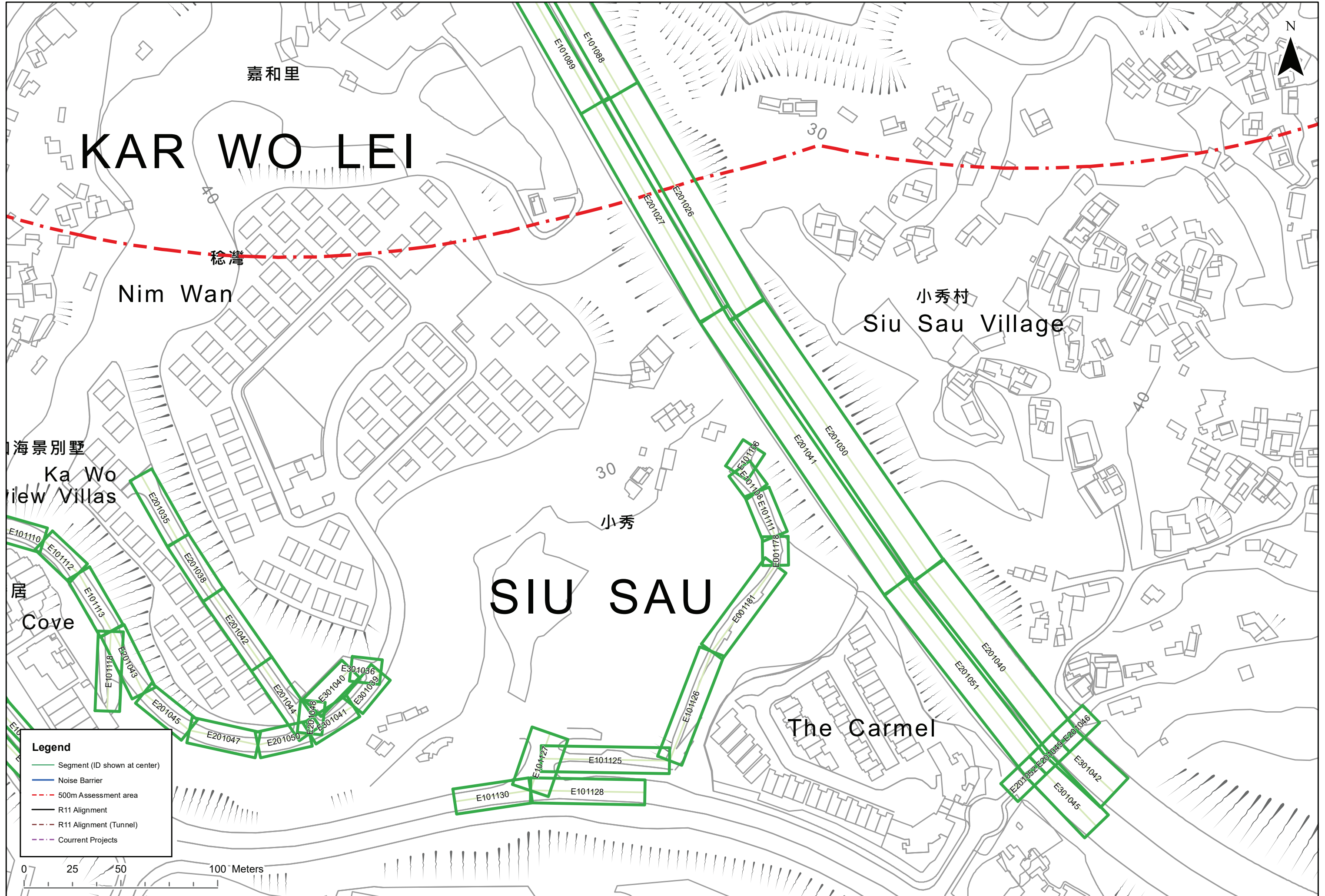


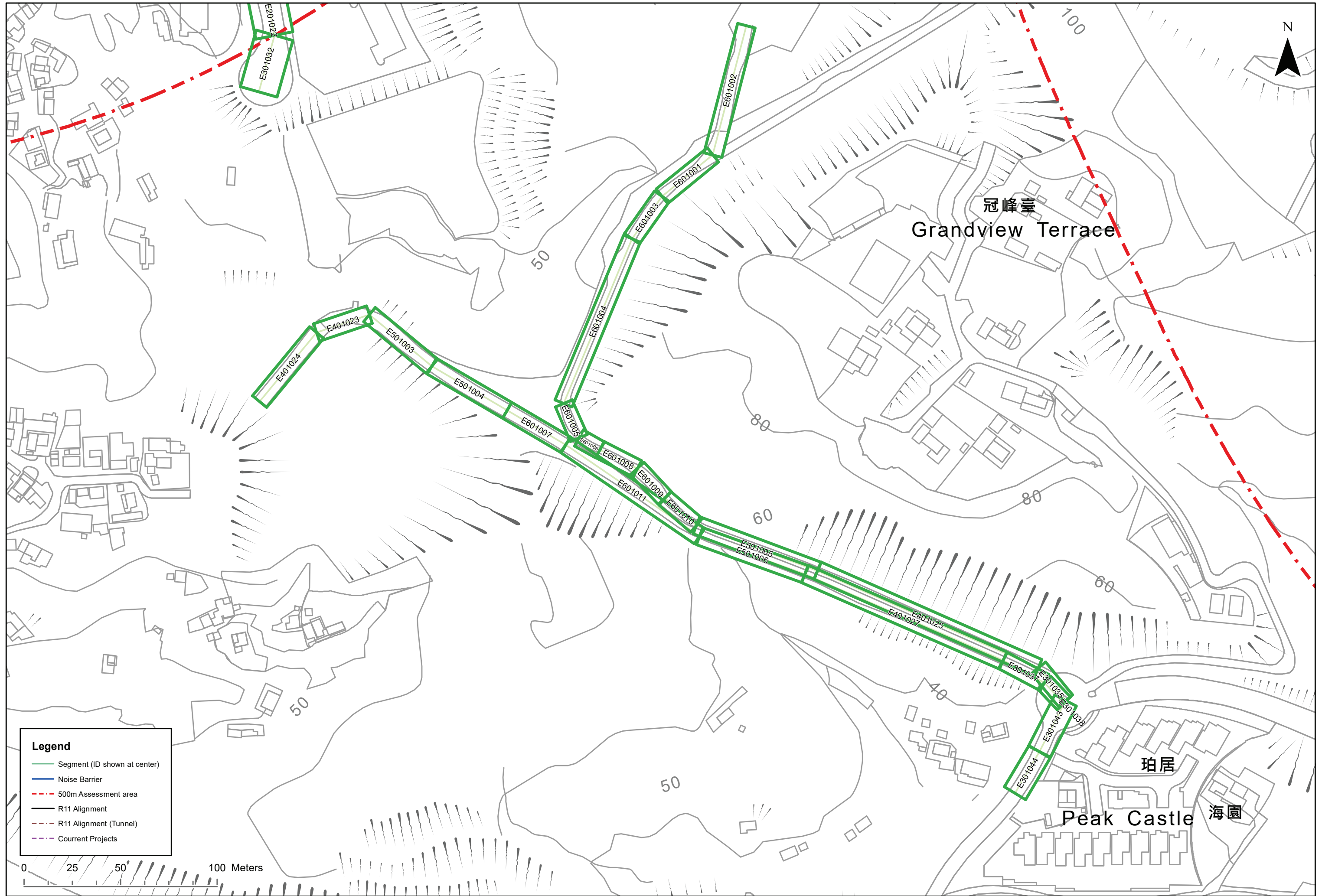
**Legend**

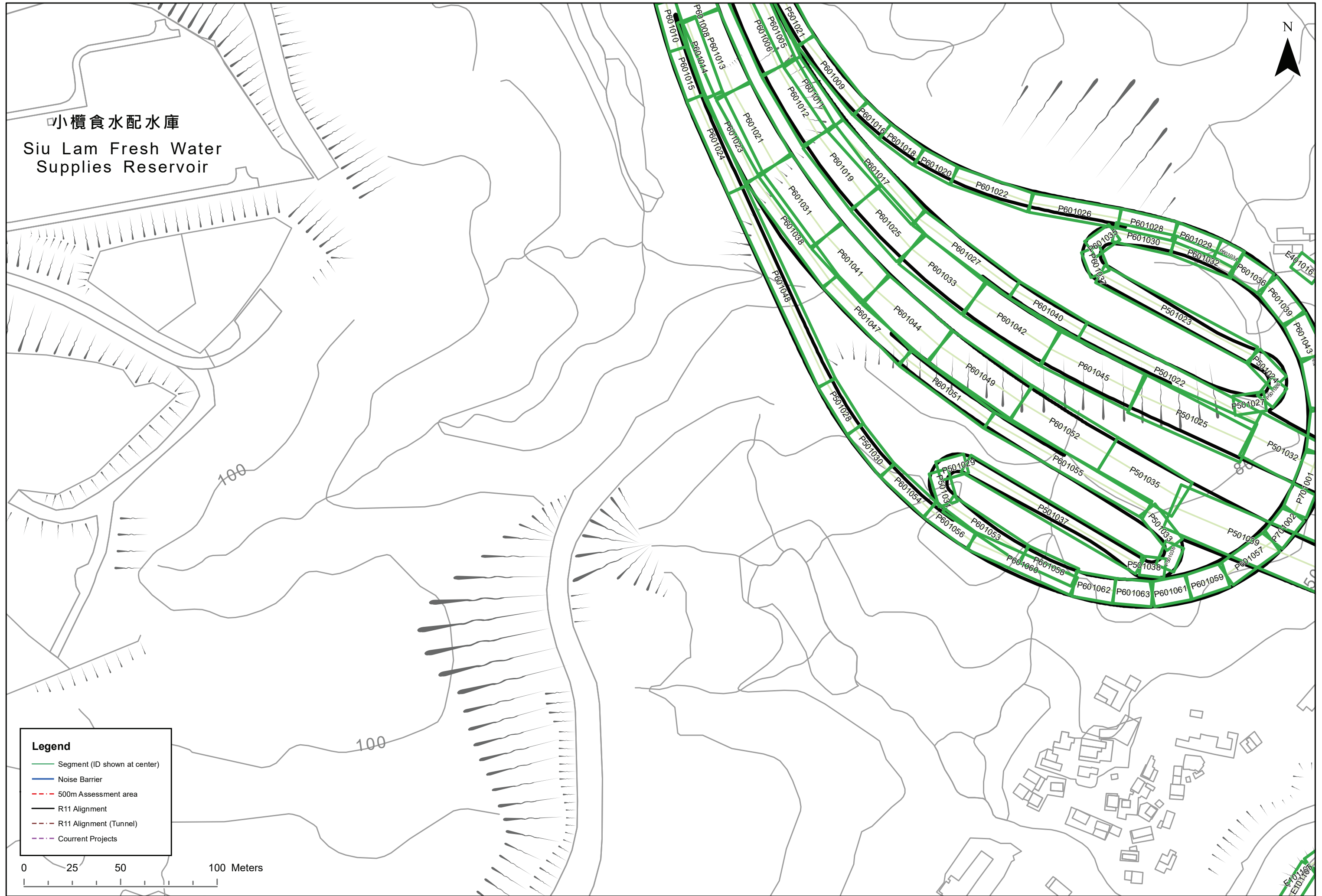
- Segment (ID shown at center)
- Noise Barrier
- 500m Assessment area
- R11 Alignment
- R11 Alignment (Tunnel)
- Current Projects



Hong Kong Gold Coast Phase 2



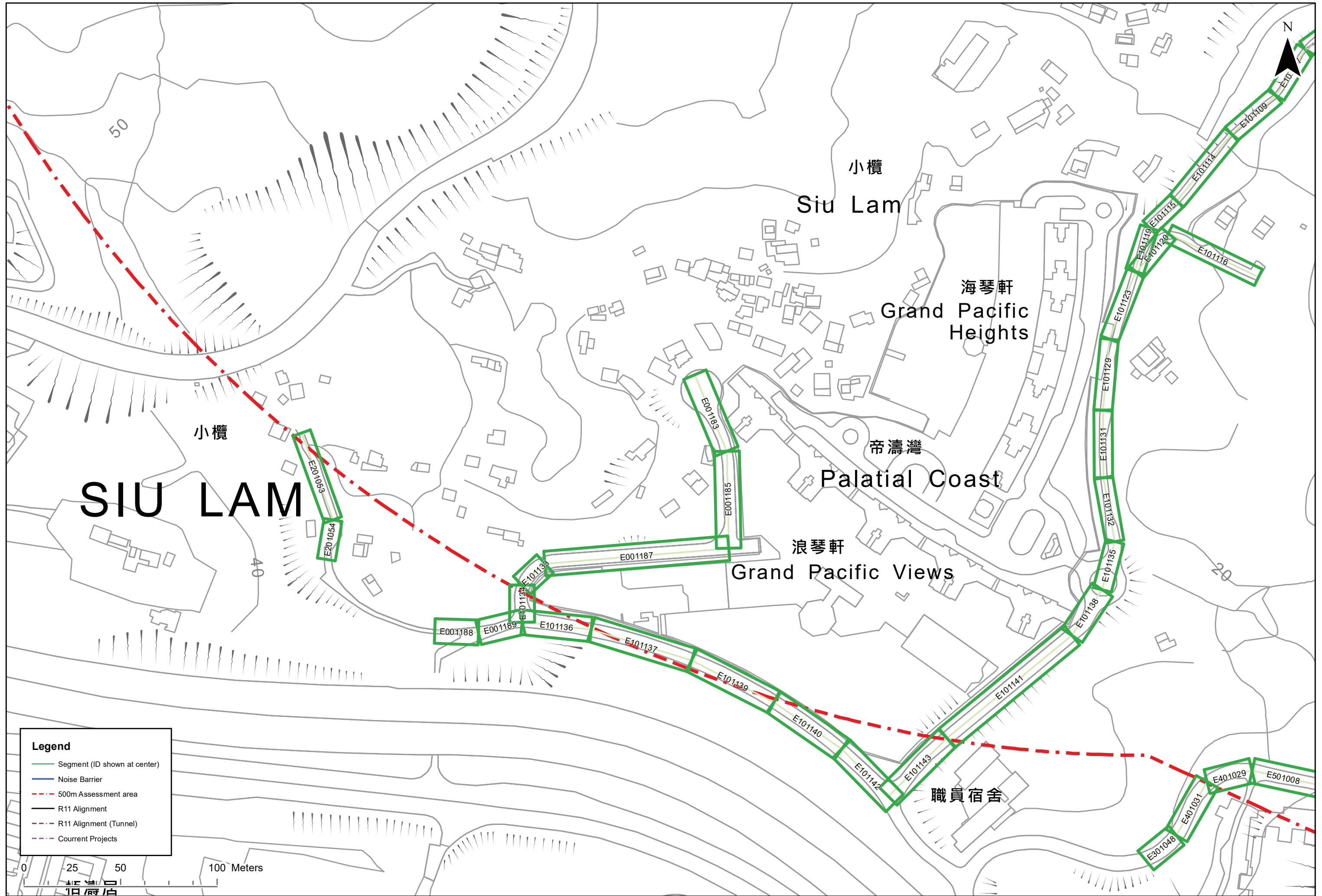




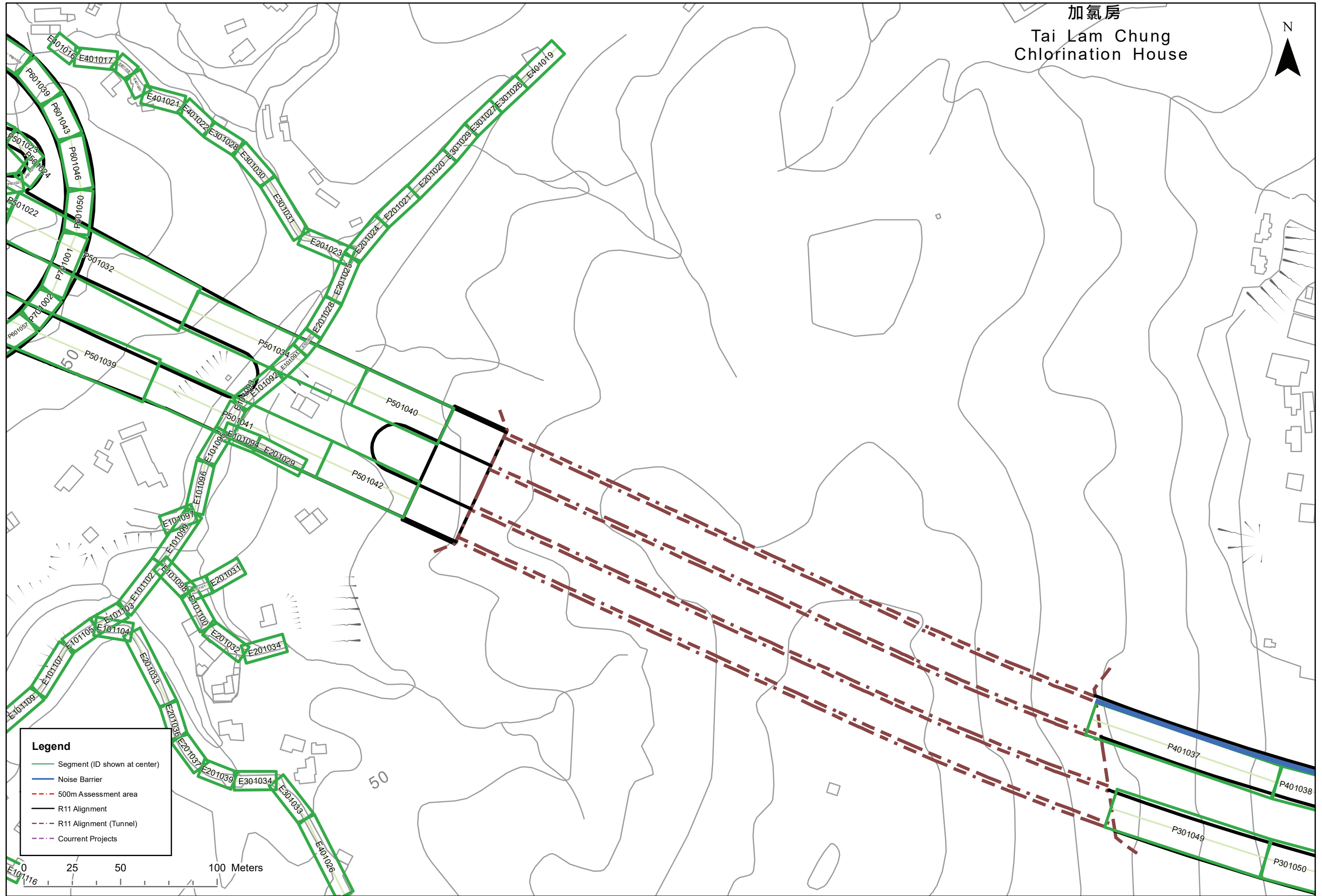
小欖食水配水庫  
Siu Lam Fresh Water  
Supplies Reservoir

- Legend**
- Segment (ID shown at center)
  - Noise Barrier
  - 500m Assessment area
  - R11 Alignment
  - R11 Alignment (Tunnel)
  - Current Projects

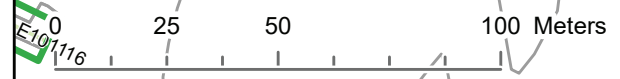


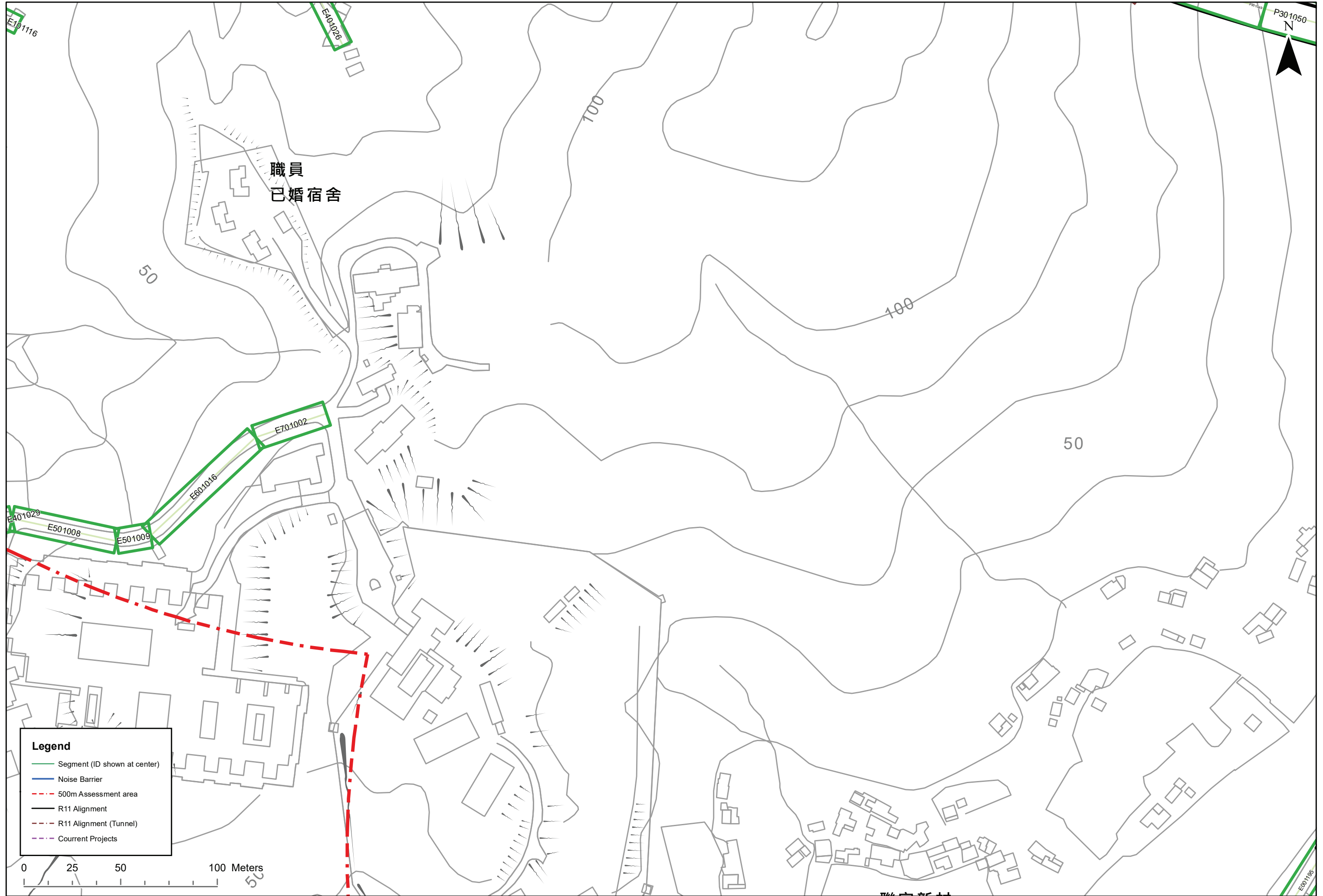


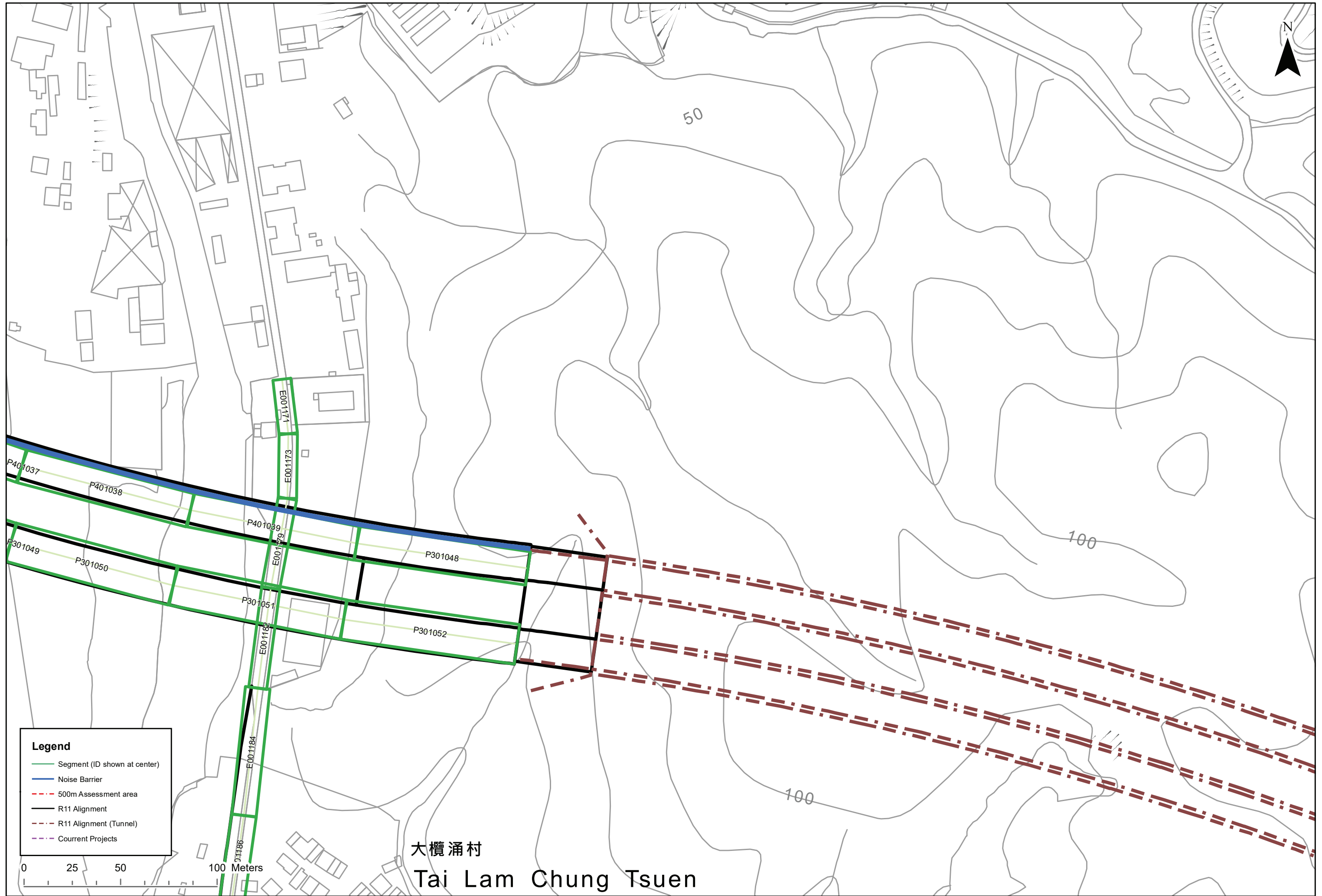
加氯房  
Tai Lam Chung  
Chlorination House



- Legend**
- Segment (ID shown at center)
  - Noise Barrier
  - 500m Assessment area
  - R11 Alignment
  - R11 Alignment (Tunnel)
  - Current Projects







大欖涌村  
Tai Lam Chung Tsuen

- Legend**
- Segment (ID shown at center)
  - Noise Barrier
  - 500m Assessment area
  - R11 Alignment
  - R11 Alignment (Tunnel)
  - Current Projects

0 25 50 100 Meters





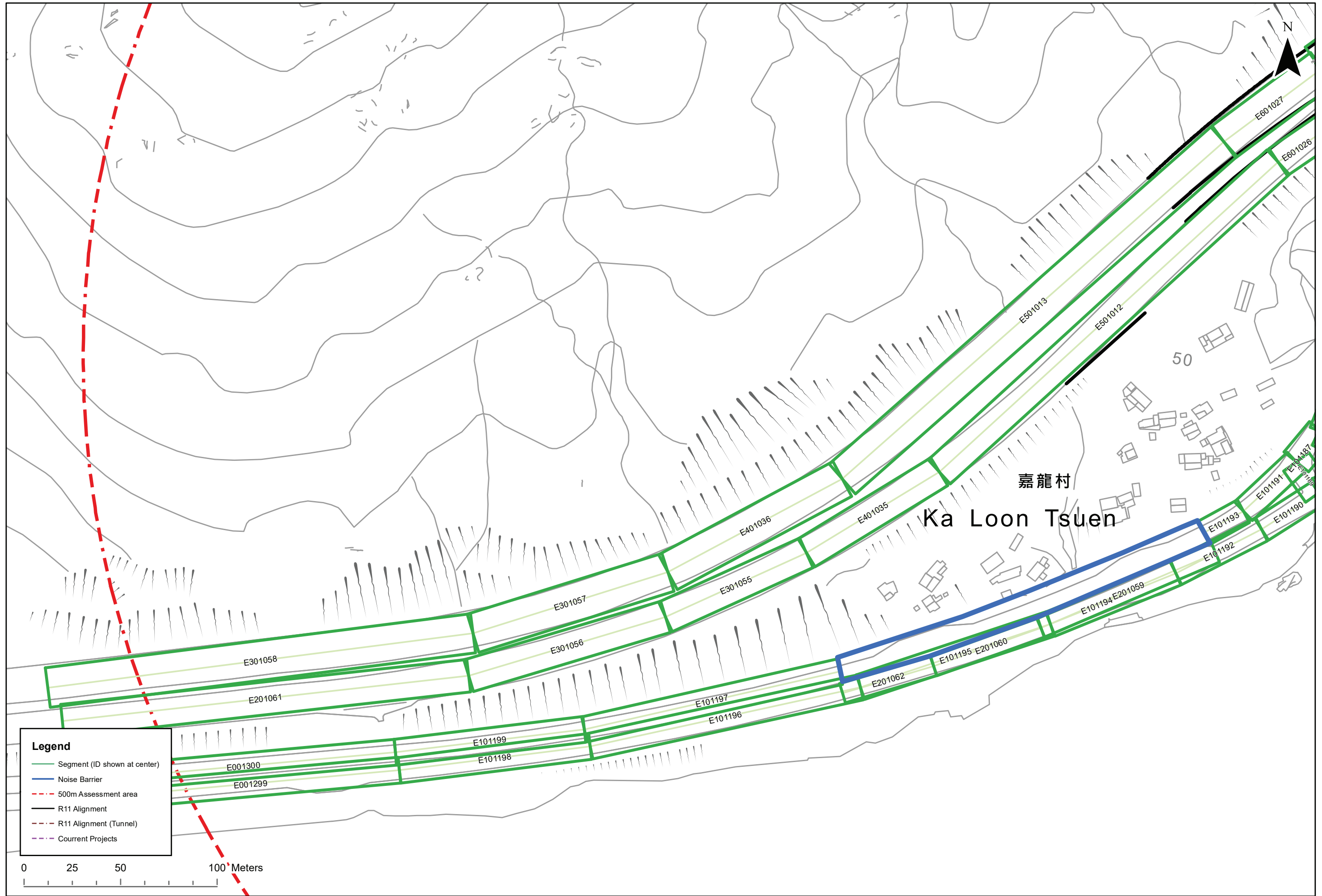
大欖涌村  
Tai Lam Chung Tsuen

露天貨倉  
Open Storage

**Legend**

- Segment (ID shown at center)
- Noise Barrier
- 500m Assessment area
- R11 Alignment
- R11 Alignment (Tunnel)
- Current Projects

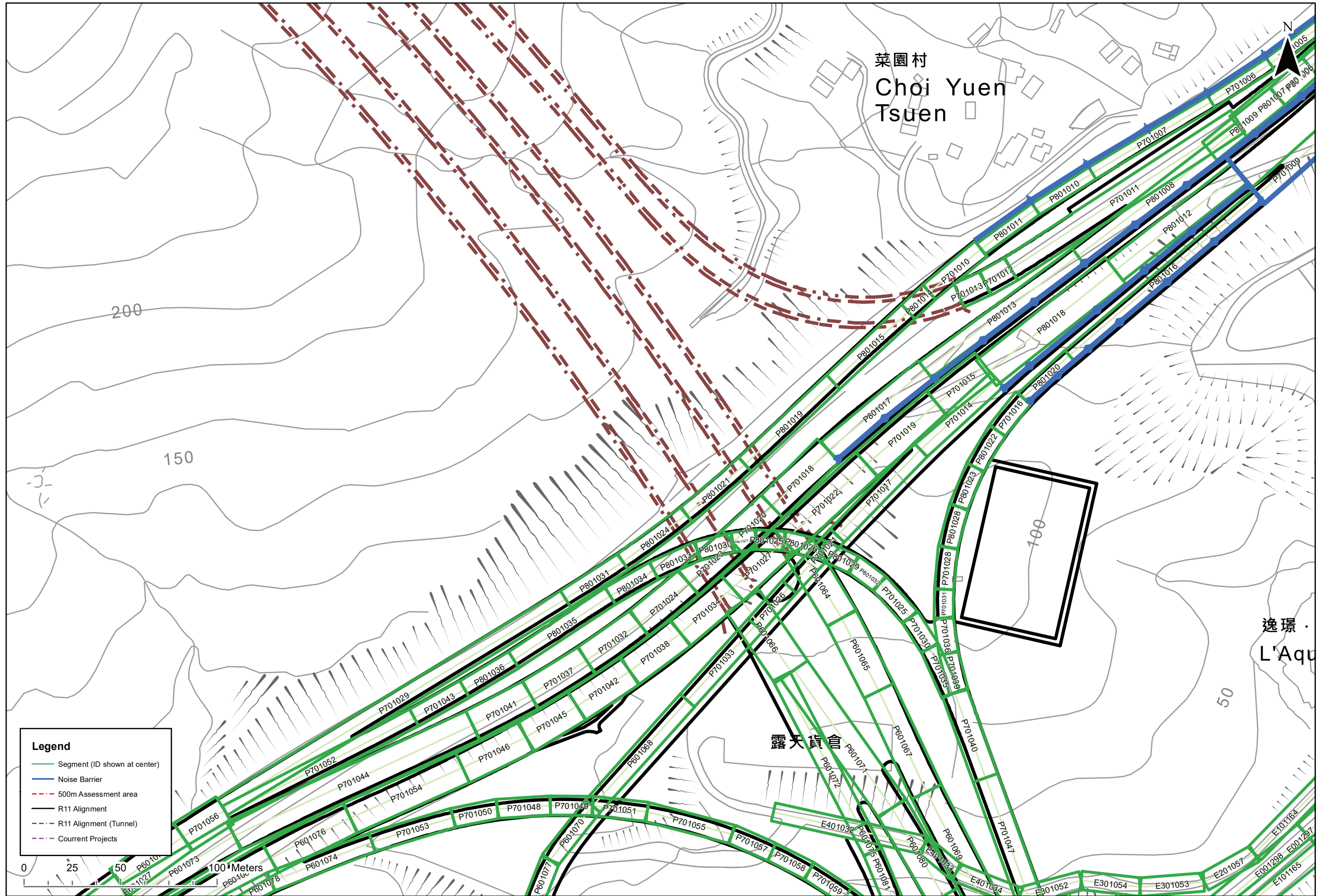




**Legend**

- Segment (ID shown at center)
- Noise Barrier
- 500m Assessment area
- R11 Alignment
- R11 Alignment (Tunnel)
- Current Projects

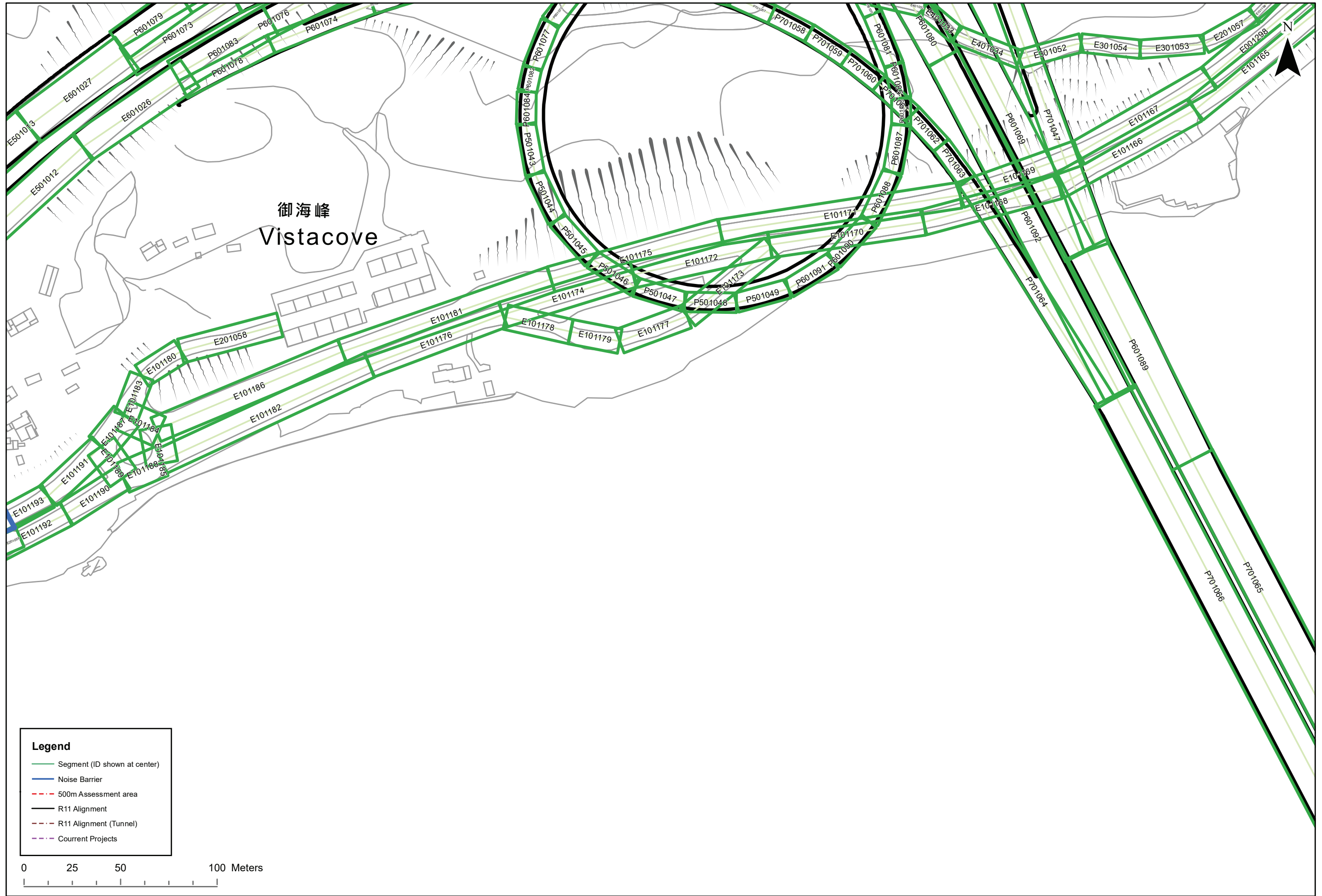


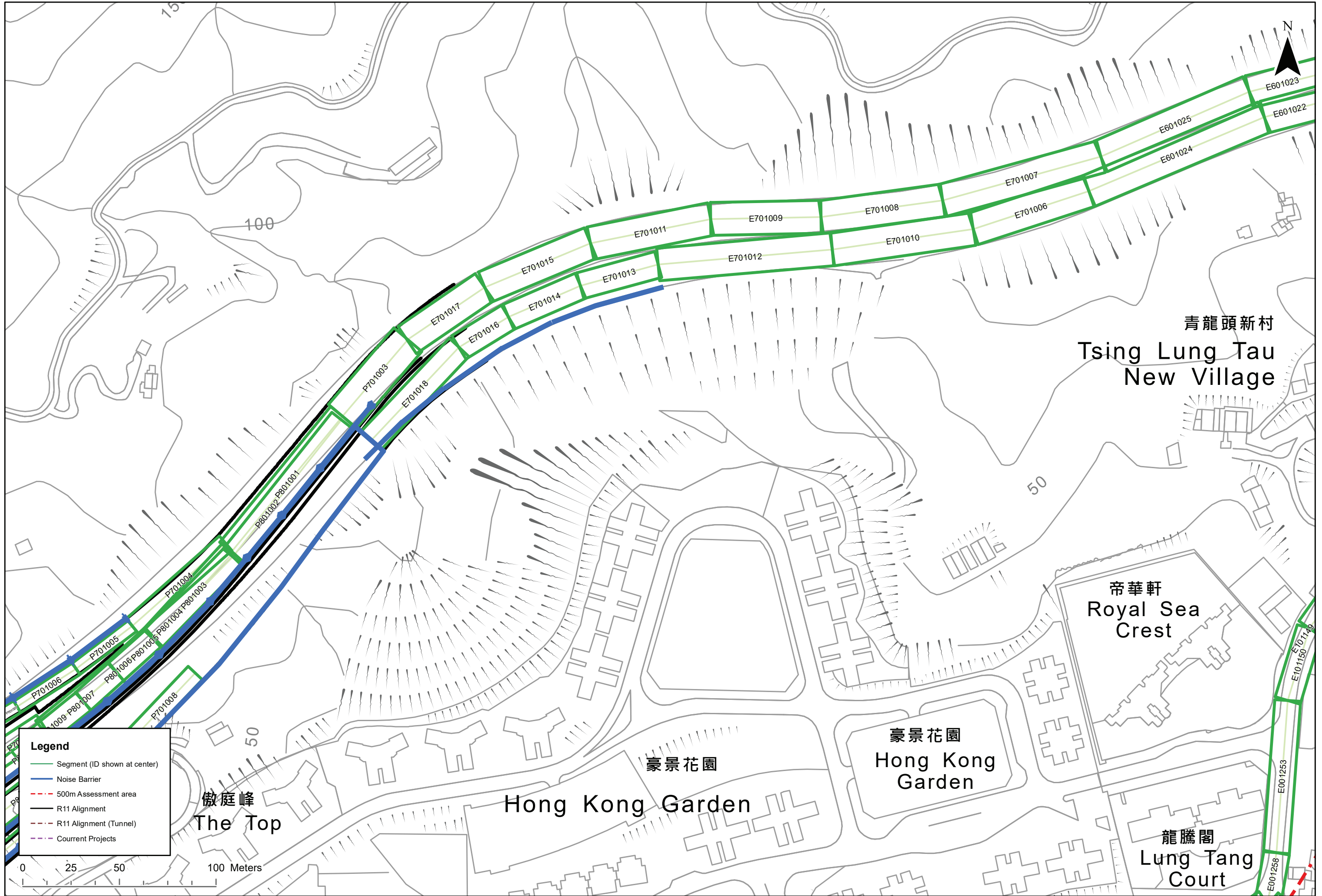


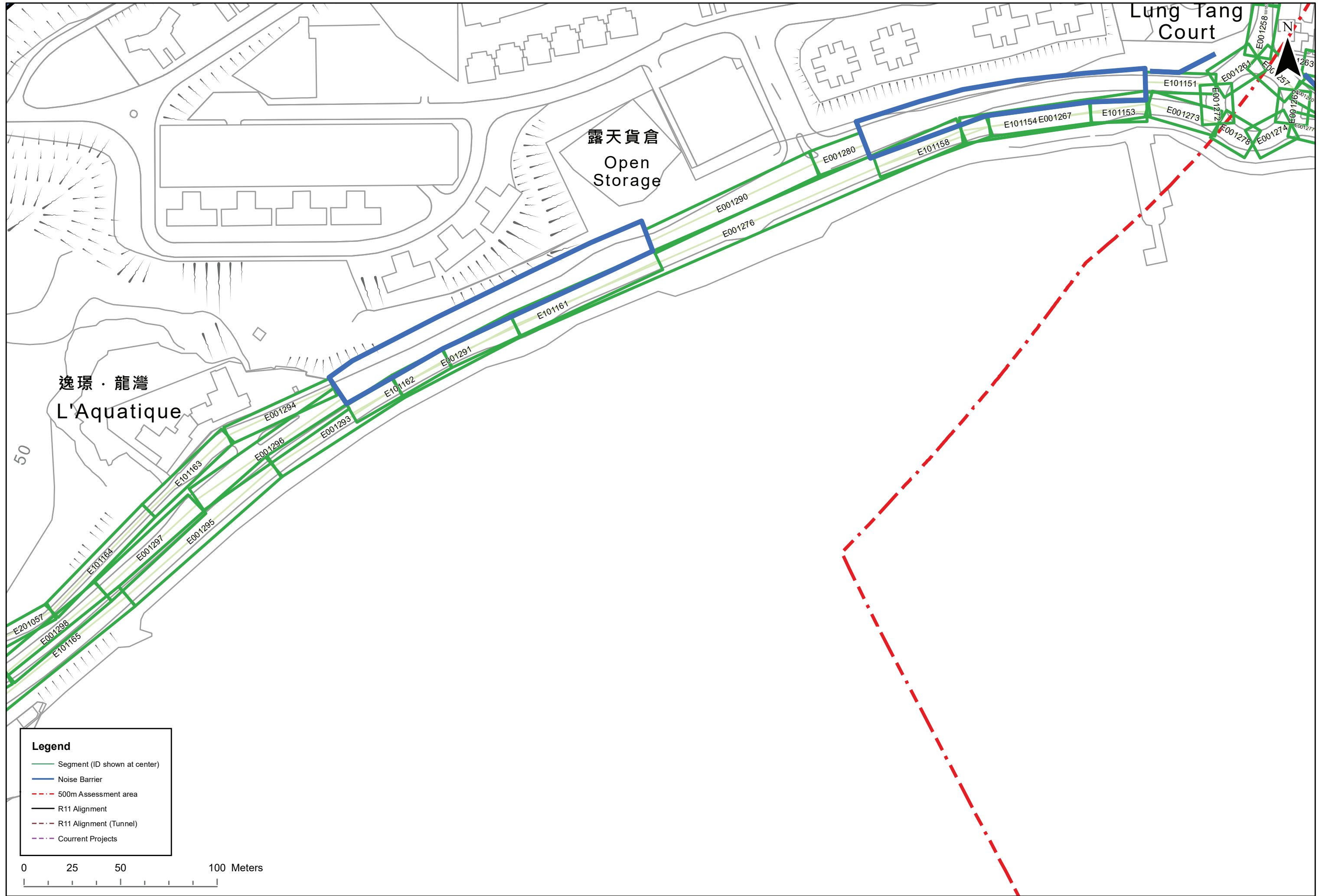
**Legend**

- Segment (ID shown at center)
- Noise Barrier
- 500m Assessment area
- R11 Alignment
- R11 Alignment (Tunnel)
- Current Projects









逸璟·龍灣  
L'Aquatique

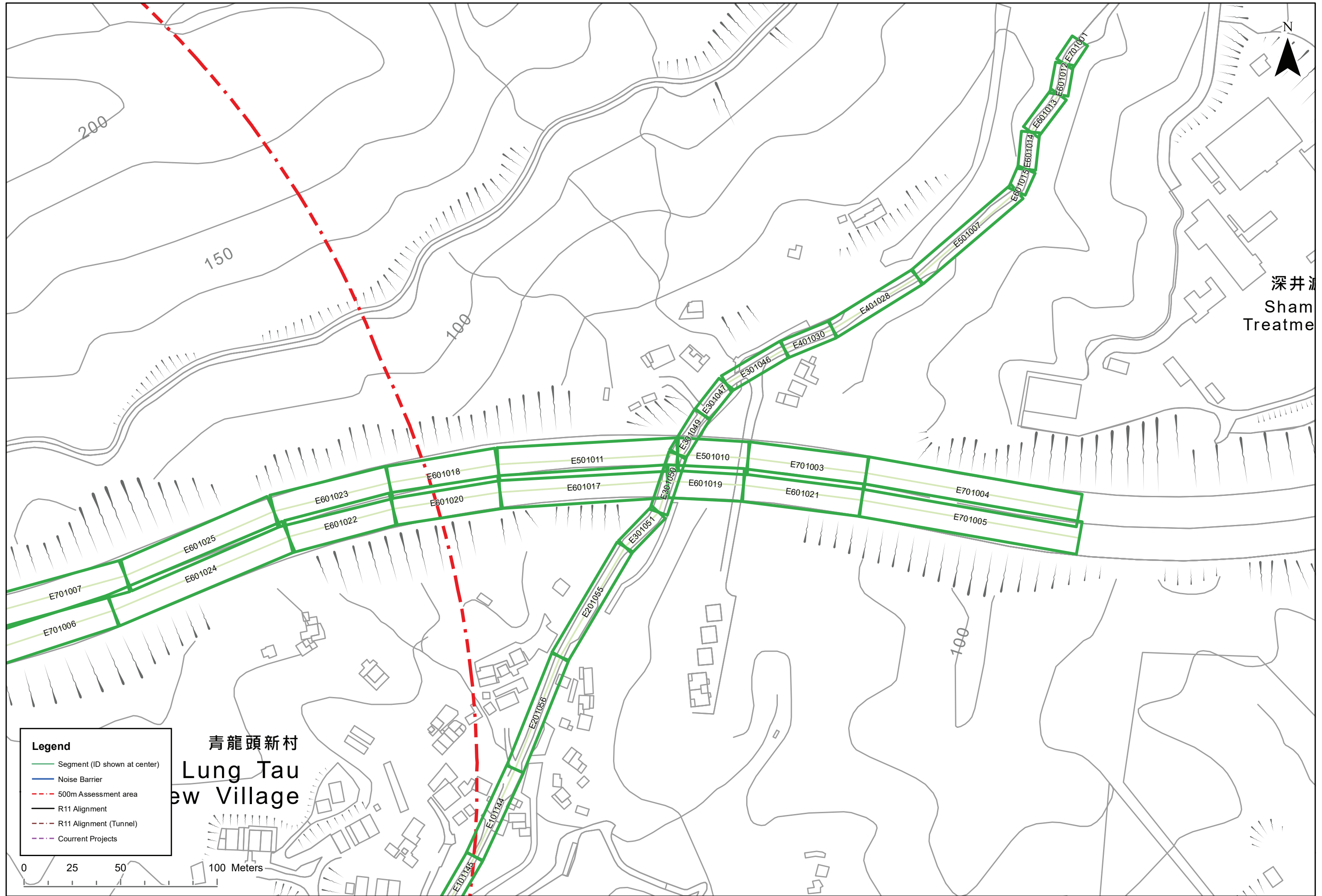
露天貨倉  
Open Storage

Lung Tang Court

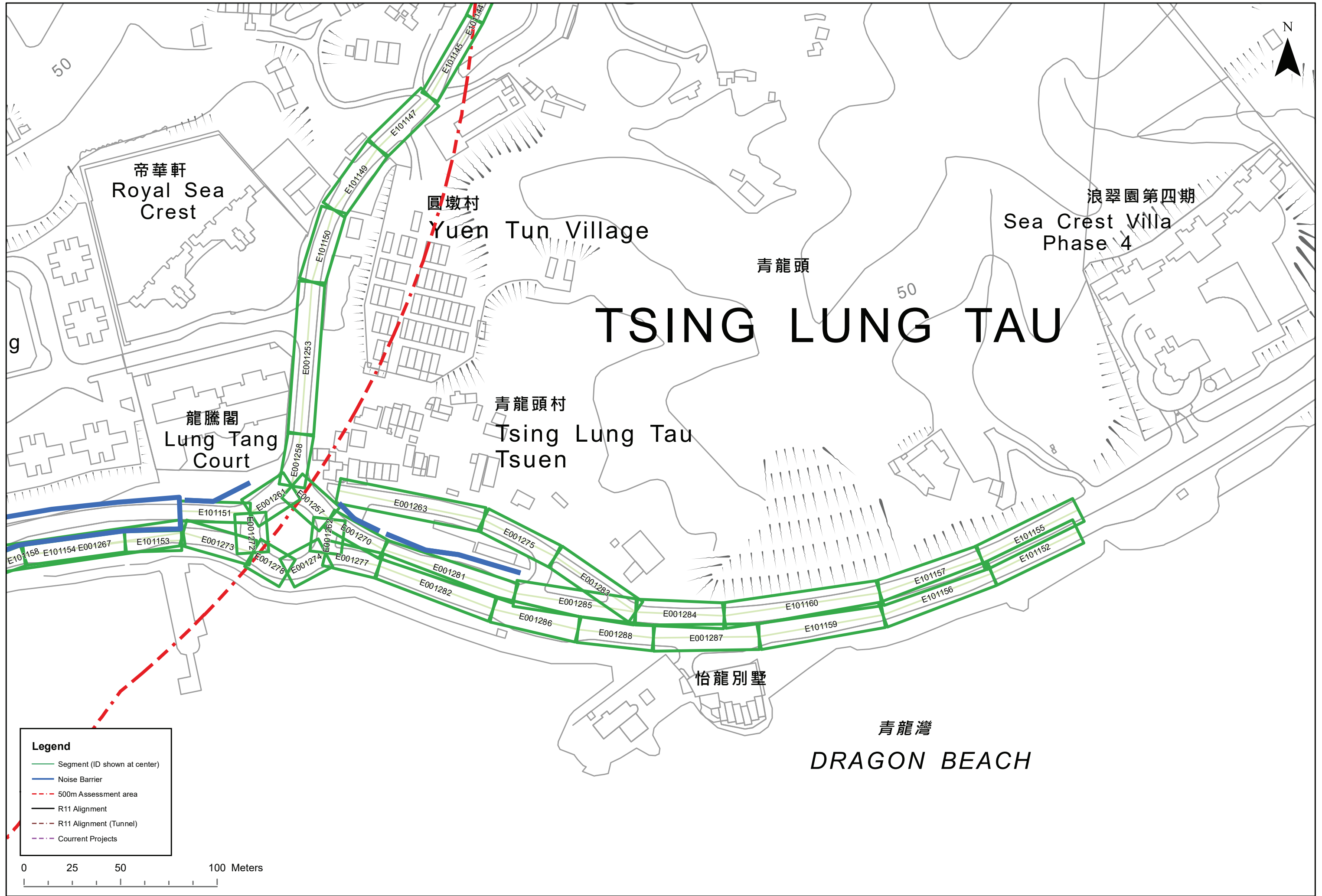
50

**Legend**  
— Segment (ID shown at center)  
— Noise Barrier  
- · - 500m Assessment area  
— R11 Alignment  
- · - R11 Alignment (Tunnel)  
- · - Current Projects

0 25 50 100 Meters







帝華軒  
Royal Sea Crest

圓墩村  
Yuen Tun Village

浪翠園第四期  
Sea Crest Villa Phase 4

# TSING LUNG TAU

龍騰閣  
Lung Tang Court

青龍頭村  
Tsing Lung Tau Tsuen

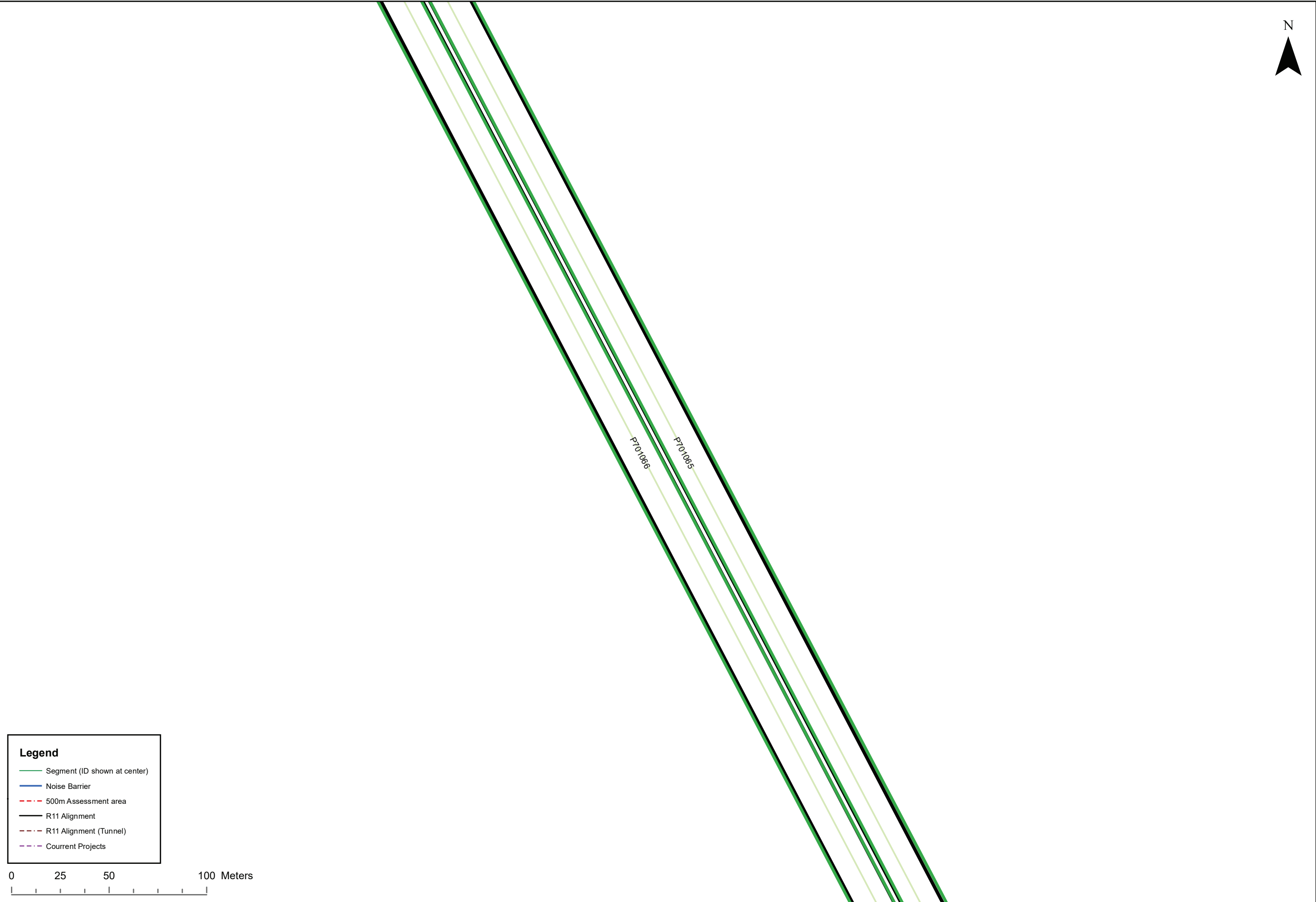
青龍頭

怡龍別墅

青龍灣  
DRAGON BEACH

- Legend**
- Segment (ID shown at center)
  - Noise Barrier
  - - - 500m Assessment area
  - R11 Alignment
  - - - R11 Alignment (Tunnel)
  - - - Current Projects



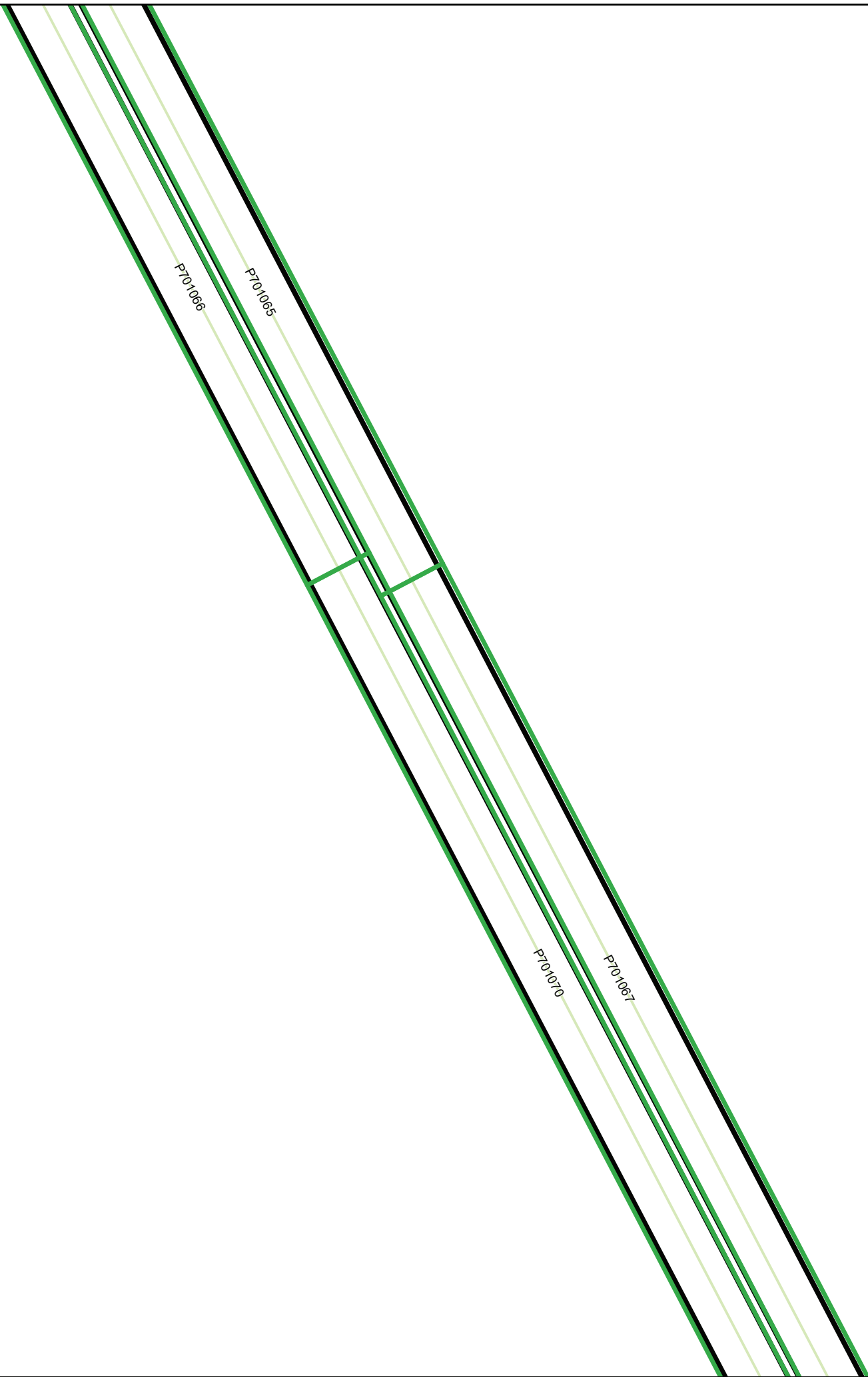


**Legend**

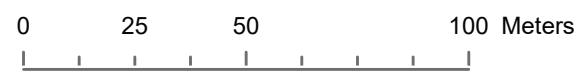
- Segment (ID shown at center)
- Noise Barrier
- 500m Assessment area
- R11 Alignment
- R11 Alignment (Tunnel)
- Courent Projects

0 25 50 100 Meters





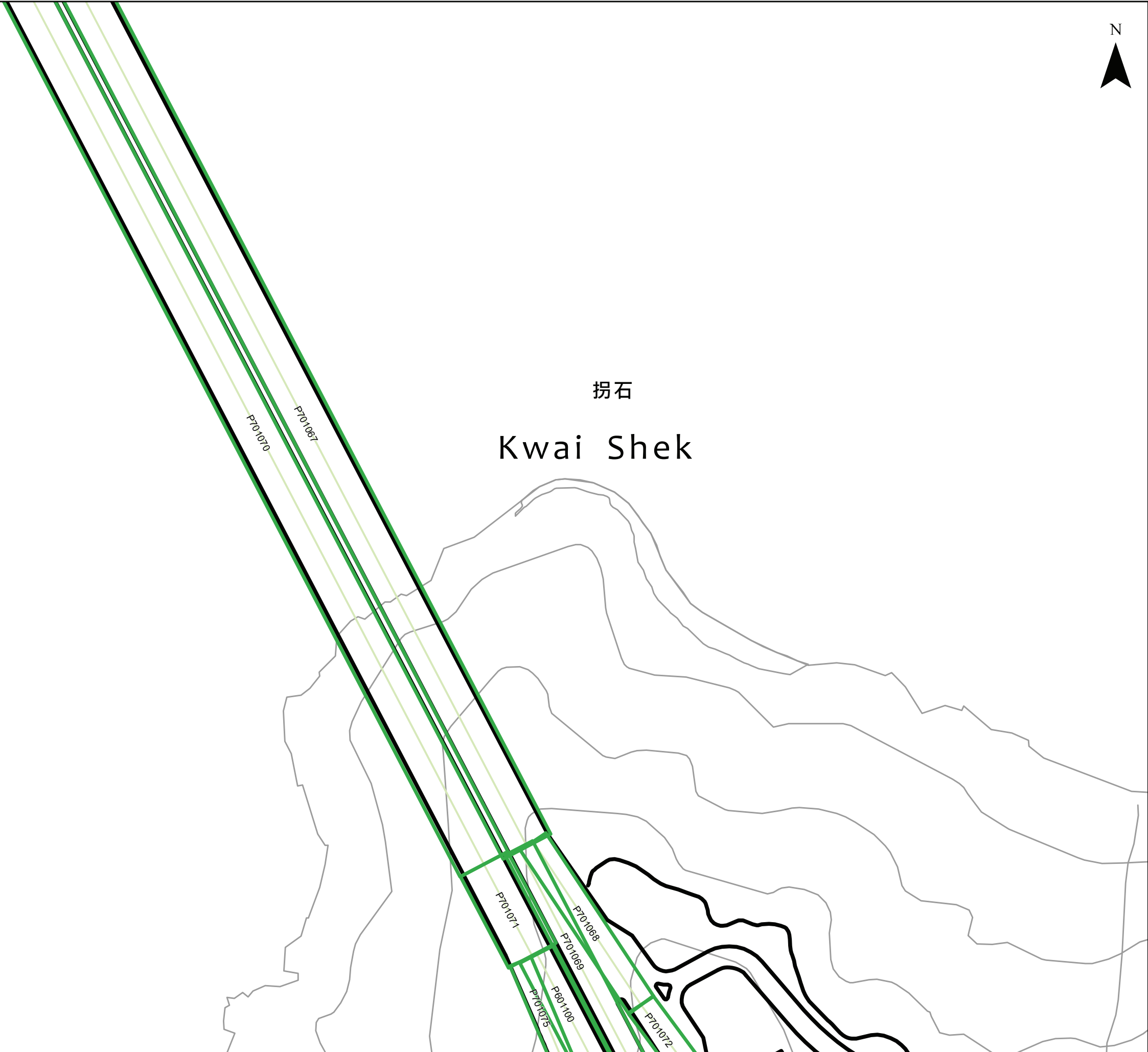
- Legend**
- Segment (ID shown at center)
  - Noise Barrier
  - 500m Assessment area
  - R11 Alignment
  - R11 Alignment (Tunnel)
  - Current Projects

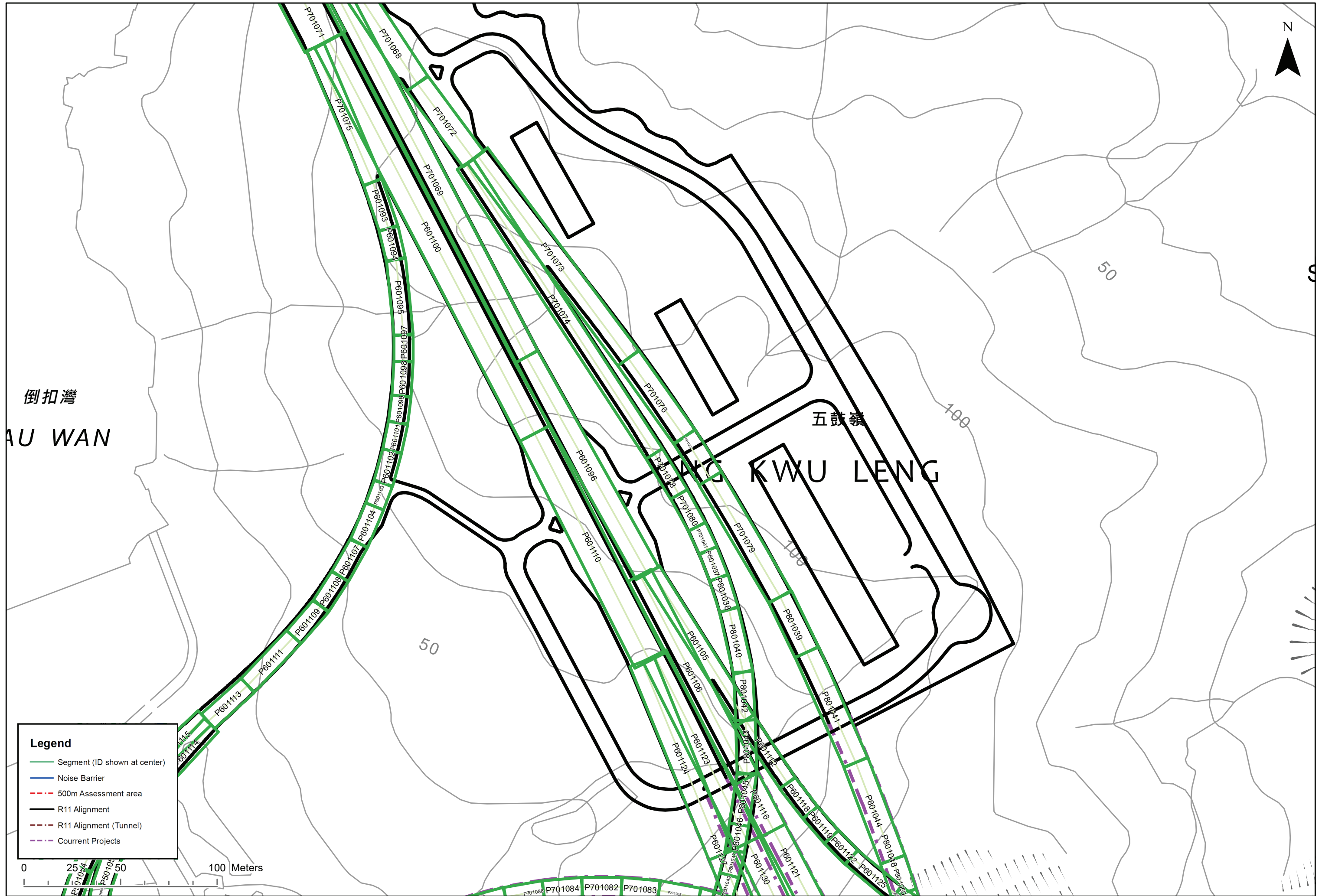




拐石  
Kwai Shek

- Legend**
- Segment (ID shown at center)
  - Noise Barrier
  - 500m Assessment area
  - R11 Alignment
  - R11 Alignment (Tunnel)
  - Current Projects

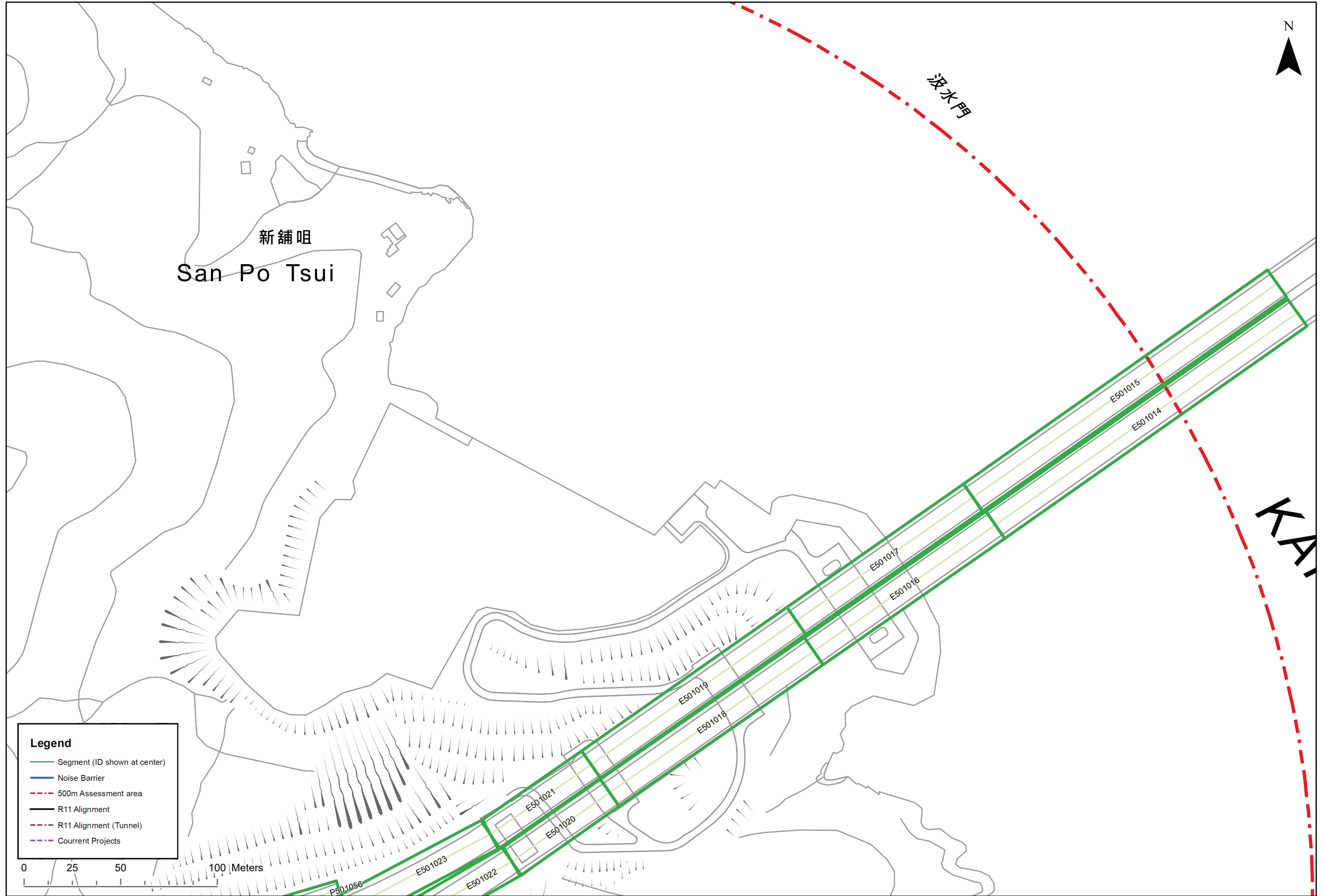


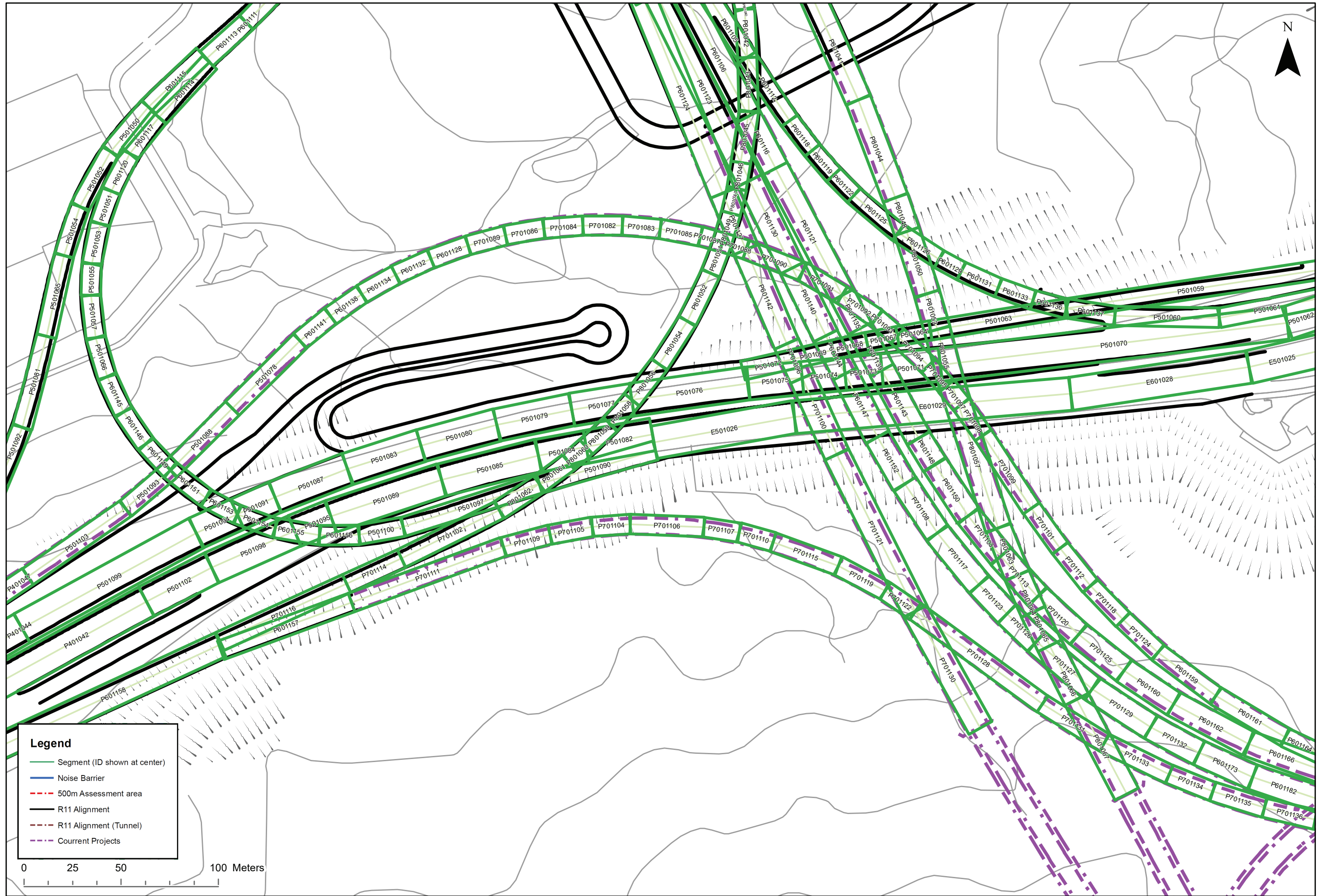


**Legend**

- Segment (ID shown at center)
- Noise Barrier
- - - 500m Assessment area
- R11 Alignment
- - - R11 Alignment (Tunnel)
- - - Current Projects

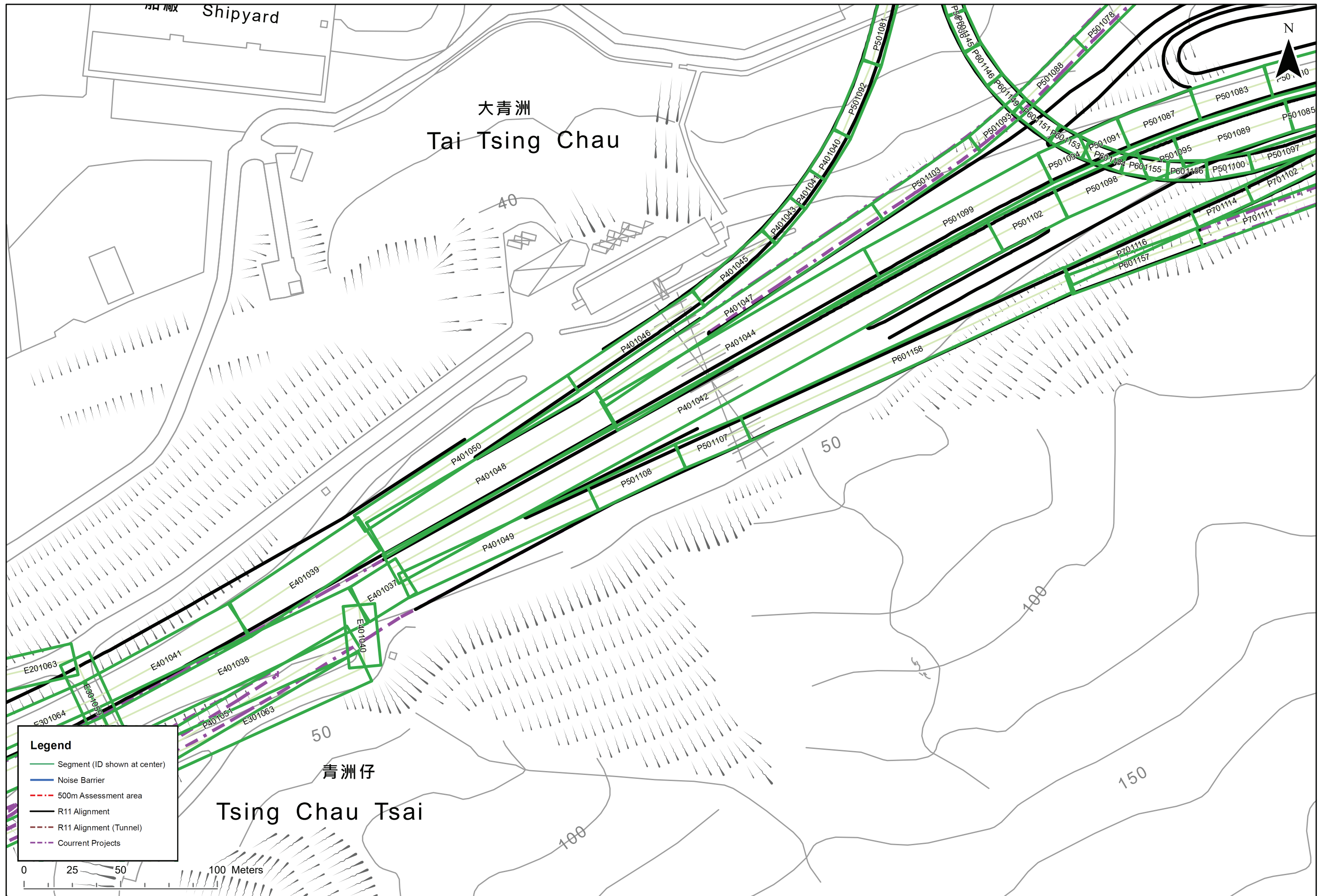




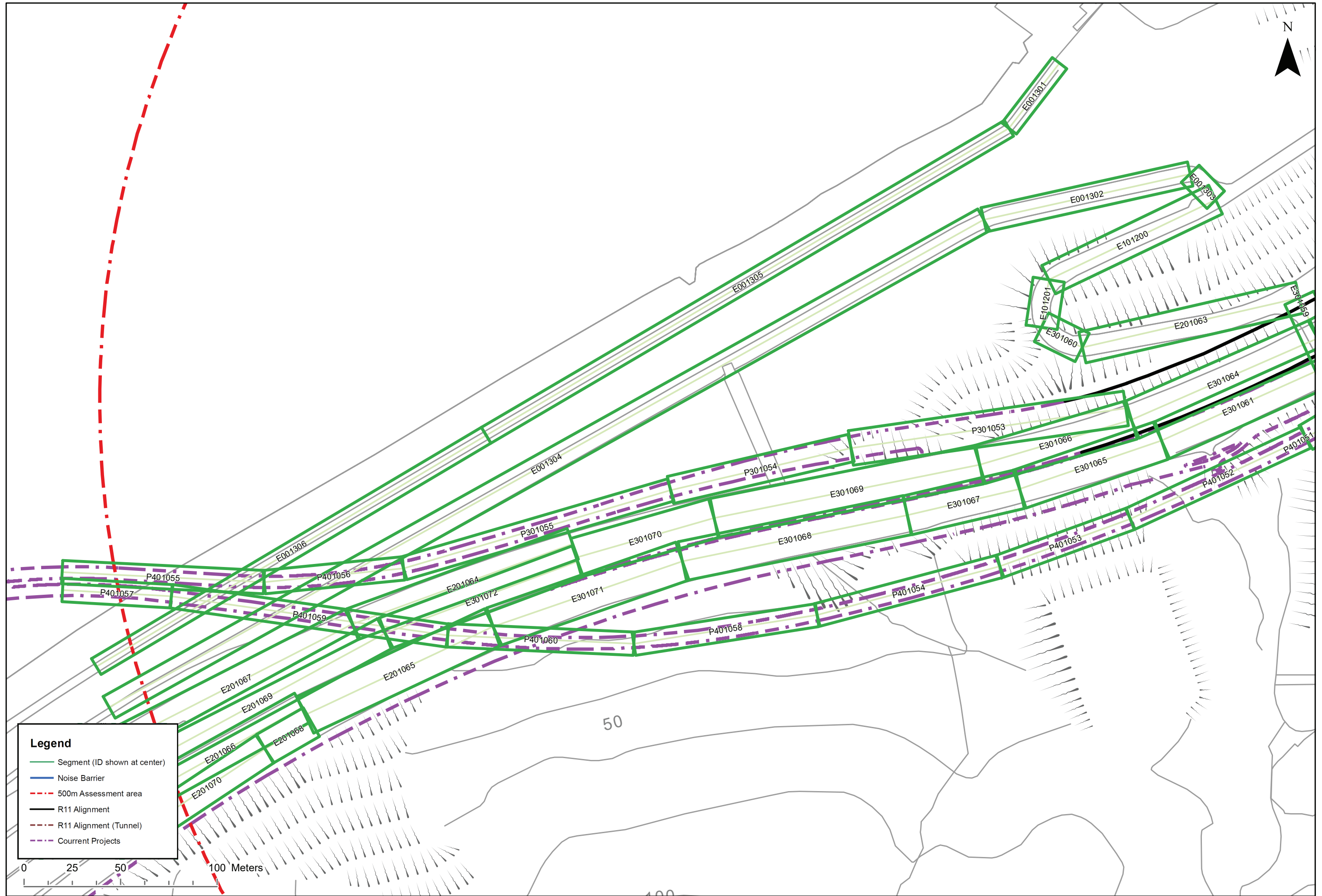


- Legend**
- Segment (ID shown at center)
  - Noise Barrier
  - 500m Assessment area
  - R11 Alignment
  - R11 Alignment (Tunnel)
  - Ccurrent Projects

0 25 50 100 Meters



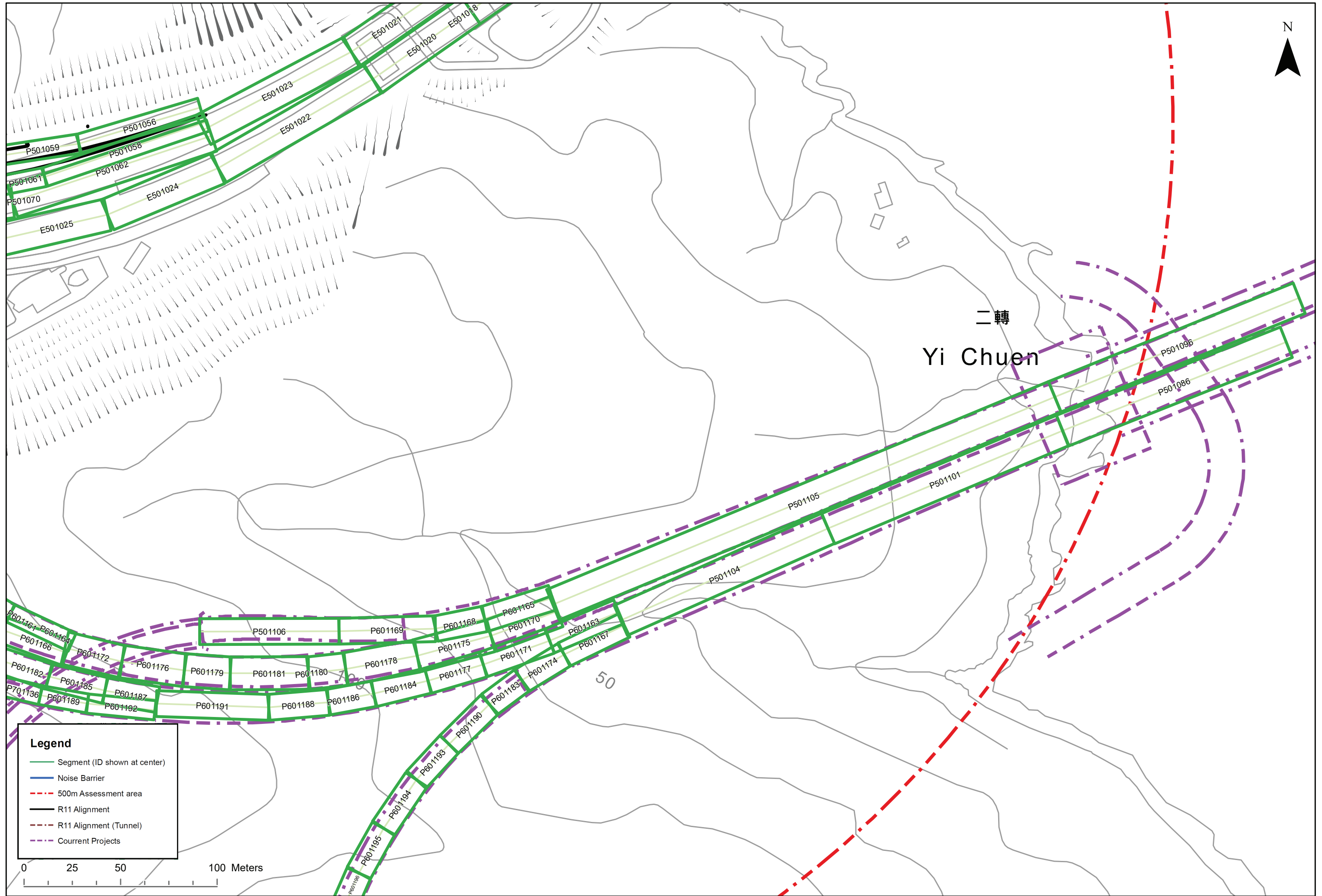




**Legend**

- Segment (ID shown at center)
- Noise Barrier
- 500m Assessment area
- R11 Alignment
- R11 Alignment (Tunnel)
- Current Projects

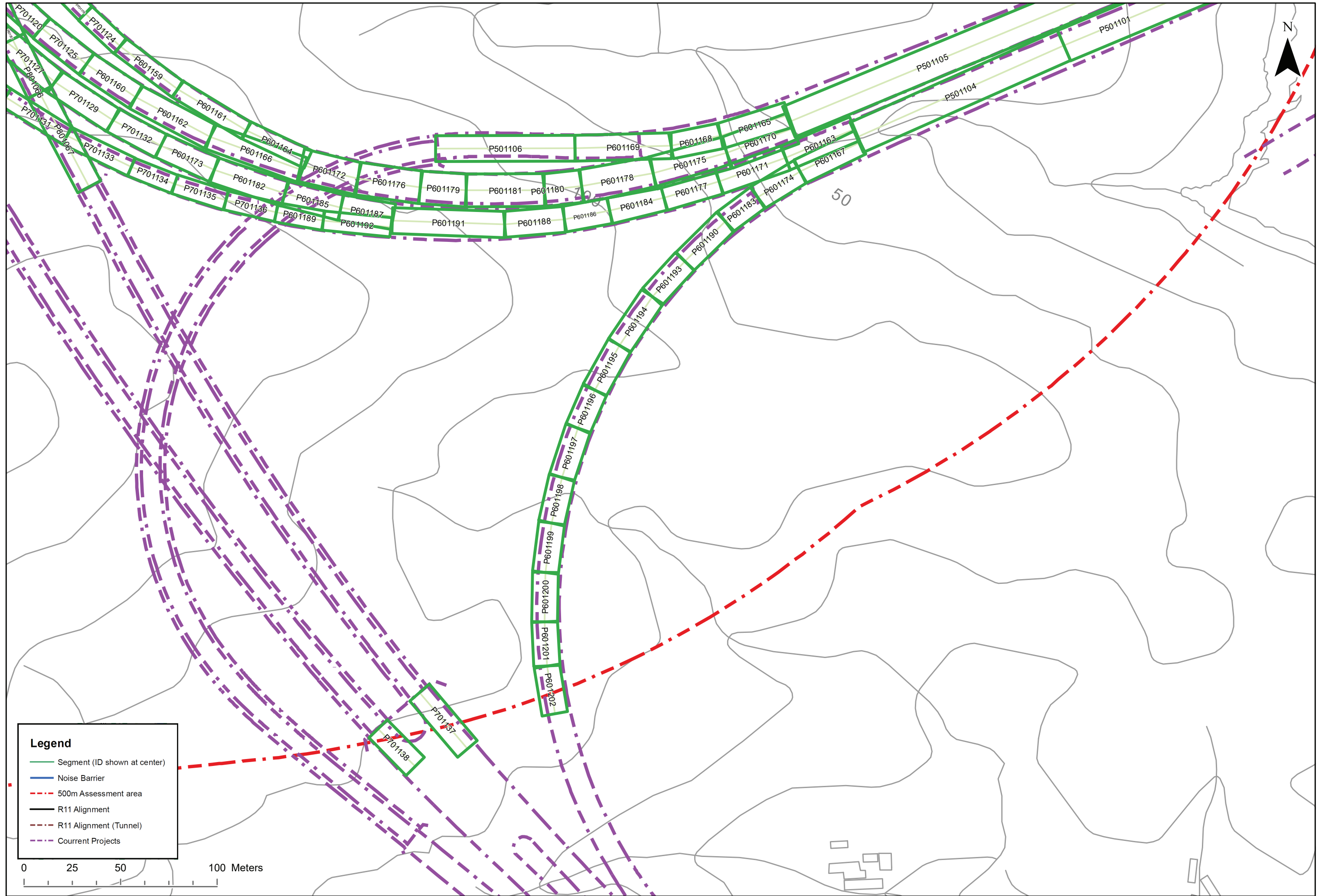




**Legend**

- Segment (ID shown at center)
- Noise Barrier
- 500m Assessment area
- R11 Alignment
- R11 Alignment (Tunnel)
- Current Projects





**Legend**

- Segment (ID shown at center)
- Noise Barrier
- 500m Assessment area
- R11 Alignment
- R11 Alignment (Tunnel)
- Current Projects



Hourly Composite Vehicular Emission Factor for NO (1st Jan, Year 2048, Long term)

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width, Road Length, and various flow types (Hr01 to Hr24) for both Flow and Emission (EMF) metrics.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01-H24 (Flow, EMF, Flow, EMF). Each row represents a segment with its specific parameters and flow/EMF values.

Table with 65 columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 64 columns of flow data (Hr01 to Hr24). Each flow column contains values for 'Flow' and 'Emf'.

Table with 100 columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, H01 (Flow, EMF), H02 (Flow, EMF), H03 (Flow, EMF), H04 (Flow, EMF), H05 (Flow, EMF), H06 (Flow, EMF), H07 (Flow, EMF), H08 (Flow, EMF), H09 (Flow, EMF), H10 (Flow, EMF), H11 (Flow, EMF), H12 (Flow, EMF), H13 (Flow, EMF), H14 (Flow, EMF), H15 (Flow, EMF), H16 (Flow, EMF), H17 (Flow, EMF), H18 (Flow, EMF), H19 (Flow, EMF), H20 (Flow, EMF), H21 (Flow, EMF), H22 (Flow, EMF), H23 (Flow, EMF), H24 (Flow, EMF). Rows contain numerical data for each segment and direction.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01 to H24 (Flow, EMF, Flow, EMF). Rows represent individual highway segments with their respective parameters.



Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01-H24 (Flow, EMF, Flow, EMF). Rows represent individual highway segments with their respective coordinates and environmental data.

Table with 48 columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01-H24 (Flow, EMF, Flow, EMF). Each row represents a segment with specific data points.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing various parameters for each segment.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing various parameters for each segment.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Width), Road Length, With Barrier, Caline Road Type, and 16 columns for H01-H24 (Flow, EMF, Flow, EMF). Each row represents a segment with specific coordinates and environmental data.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Width), Road Length, With Barrier, Caline Road Type, and 48 columns for H01-H24 (Flow, EMF, Flow, EMF). Each row represents a segment with specific coordinates and environmental data points.



Hourly Composite Vehicular Emission Factor for NO2 (1st Jan, Year 2048, Long term)

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width, Road Length, and various flow types (Hr01 to Hr24) with sub-columns for Flow, EMF, and Flow/EMF. The table contains 1000 rows of data.



Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01-H24 (Flow, EMF, Flow, EMF). Each row represents a segment with specific coordinates and environmental data.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing environmental assessment metrics for various road segments.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing traffic flow or volume for that segment and hour.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01-H24 (Flow, EMF, Flow, EMF). Each row represents a segment with its specific parameters and flow/EMF values.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mith Width), Road Length, With Barrier, Caline Road Type, H01, H02, H03, H04, H05, H06, H07, H08, H09, H10, H11, H12, H13, H14, H15, H16, H17, H18, H19, H20, H21, H22, H23, H24. Each cell contains numerical data representing various parameters for each segment.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01-H24 (Flow, EMF, Flow, EMF). Rows represent individual road segments with their respective parameters.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01-H24 (Flow, EMF, Flow, EMF). Rows represent individual road segments with their respective coordinates and traffic flow data.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 12 columns for Hr01-Hr24. Each column contains numerical data representing various parameters for each segment.



Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Width), Road Length, With Barrier, Caline Road Type, and 12 columns for H01-H12 (Flow, EMF). Each row represents a segment with specific coordinates and environmental data.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Minding Width), Road Length, With Barrier, Caline Road Type, and 12 columns for Hr01-Hr24. Each column contains numerical data representing various parameters for each segment.



Hourly Composite Vehicular Emission Factor for NO (1st Jan, Year 2048, Short term)

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width, Road Length, and various flow types (Hr01 to Hr24) with sub-columns for Flow, Emf, and Flow/Emf. The table contains 1000 rows of data.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing traffic volume or related metrics.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01-H24 (Flow, EMF, Flow, EMF). Rows represent individual road segments with their respective coordinates and traffic flow data.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01-H24 (Flow, EMF, Flow, EMF). Rows represent individual road segments with their respective coordinates and parameters.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01-H24 (Flow, EMF, Flow, EMF). Each row represents a segment with specific data points for these parameters.



Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mith Widh), Road Length, With Barrier, Caline Road Type, and 16 columns for H01-H24 (Flow, EMF, Flow, EMF). Each row represents a segment with detailed flow and EMF data for each direction.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 100 columns of flow data (Hr01 to Hr24) for Flow and EMF.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01 to H24 (Flow, EMF, Flow, EMF). Rows represent individual road segments with their respective coordinates and traffic flow data.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01-H24 (Flow, EMF, Flow, EMF). Rows represent individual highway segments with their respective coordinates and traffic flow data.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01-H24 (Flow, EMF, Flow, EMF). Rows represent individual highway segments with their respective coordinates and environmental data.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Minding Width), Road Length, With Barrier, Caline Road Type, and 12 columns for H01-H12 (Flow, EMF, Flow, EMF, Flow, EMF, Flow, EMF, Flow, EMF, Flow, EMF). Rows represent individual road segments with their respective parameters.



Hourly Composite Vehicular Emission Factor for NO2 (1st Jan, Year 2048, Short term)

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width, Road Length, and various flow types (Hr01 to Hr24) with sub-columns for Flow, EMF, and Flow. The table contains 1000 rows of data.



Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01-H24 (Flow, EMF, Flow, EMF). Each row represents a segment with specific coordinates and environmental data.

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width, Road Length, and various environmental parameters (Hr01-Hr24) for each of the 24 hours. Each parameter is represented by a pair of values (veh/hr and m³/hr).

Table with 48 columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01-24 (Flow, EMF), Hr25-48 (Flow, EMF). Rows represent individual road segments with their respective coordinates and environmental impact data.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01-H24 (Flow, EMF, Flow, EMF). Each row represents a segment with specific coordinates and flow/EMF data.

Table with 48 columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Mith Widh), Road Length, With Barrier, Caline Road Type, H01, H02, H03, H04, H05, H06, H07, H08, H09, H10, H11, H12, H13, H14, H15, H16, H17, H18, H19, H20, H21, H22, H23, H24. Each cell contains numerical data representing various parameters for each segment.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 10 columns for each of the 10 road sections (Hr01-Hr10). Each section has sub-columns for Flow, EmF, and Flow/EmF values.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 48 columns for H01-H24 (Flow, EMF, Flow, EMF). Rows represent individual highway segments with their respective coordinates and environmental data.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, and 12 columns of flow data (Hr01-Hr24) for Flow and EMF. Each cell contains numerical values representing flow and environmental metrics.



Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Width), Road Length, With Barrier, Caline Road Type, and 12 columns of flow data (Hr01-Hr12) for each direction (Flow, EMF). The table contains 120 rows of data.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with Minding Width), Road Length, With Barrier, Caline Road Type, and 48 columns for Hr01 to Hr24 (Flow, EMF, Flow, EMF). Each row represents a segment with specific coordinates and traffic flow data.



Hourly Composite Vehicular Emission Factor for RSP (1st Jan, Year 2033)

Table with 40 columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width, Road Length, With Barrier, Caline Road Type, Hr01-Hr24 (Flow, Emf), Hr25-Hr48 (Flow, Emf). Rows represent hourly data for 120 segments.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing various parameters for each segment.

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width, Road Length, and various Hr01-Hr24 parameters. Each Hr column contains sub-columns for Flow and Emf values.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01-24 (Flow, Emf), Hr25-48 (Flow, Emf). Each row represents a segment with detailed flow and emission data for 48 hours.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01-24 (Flow, Emf), Hr25-48 (Flow, Emf). Each row represents a segment with detailed flow and emission data for 48 hours.



Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01-24 (Flow, Emf), Hr25-48 (Flow, Emf). Each row represents a segment with detailed flow and emission data for 48 hours.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing environmental assessment parameters for various road segments.

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width, Road Length, and various environmental impact metrics (Flow, Emf) for 24 different segments (Hr01 to Hr24).

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, and 24 columns for Hr01-Hr24 (Flow, Emf). Each row represents a segment with detailed flow and emission data.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing various parameters for each segment.

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width, Road Length, and various environmental impact metrics (Flow, Emf) for 24 different segments (Hr01 to Hr24).

Segment ID	X-Start (m)	Y-Start (m)	X-End (m)	Y-End (m)	Height (mPD)	Width (with Mixing Width) (m)	Road Length (m)	With Barrier	Caline Road Type	Hr01		Hr02		Hr03		Hr04		Hr05		Hr06		Hr07		Hr08		Hr09		Hr10		Hr11		Hr12		Hr13		Hr14		Hr15		Hr16		Hr17		Hr18		Hr19		Hr20		Hr21		Hr22		Hr23		Hr24			
										Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf	Flow	Emf
										(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)	(veh/hr)	(g/veh/mile)
P801019	821907.4	824694.5	821861.8	824651.7	83.0	10.0	63	N	1	105	0.1406	70	0.1414	48	0.1402	36	0.1396	75	0.1393	169	0.1379	169	0.1046	225	0.1209	308	0.1385	260	0.1423	243	0.1425	376	0.0317	383	0.0306	407	0.0302	413	0.0294	443	0.0307	507	0.0310	506	0.0271	395	0.0296	332	0.0318	316	0.0318	307	0.0306	236	0.0307				
P801020	822005.9	824686.2	822029.8	824708.2	87.2	7.0	32	N	1	83	0.0081	56	0.0084	38	0.0078	28	0.0080	32	0.0088	60	0.0096	138	0.0108	285	0.0117	287	0.0118	251	0.0138	234	0.0148	225	0.0132	56	0.0234	58	0.0227	66	0.0231	64	0.0233	64	0.0218	62	0.0199	45	0.0177	30	0.0178	25	0.0167	22	0.0174	21	0.0178	17	0.0191		
P801021	821861.8	824651.7	821831.5	824625.7	84.5	10.0	40	N	1	105	0.1406	70	0.1414	48	0.1402	36	0.1396	75	0.1393	169	0.1379	169	0.1046	225	0.1209	308	0.1385	260	0.1423	243	0.1425	376	0.0317	383	0.0306	407	0.0302	413	0.0294	443	0.0307	507	0.0310	506	0.0271	395	0.0296	332	0.0318	316	0.0318	307	0.0306	236	0.0307				
P801022	821981.0	824650.3	821992.5	824669.3	80.7	10.0	22	N	1	83	0.0081	56	0.0084	38	0.0078	28	0.0080	32	0.0088	60	0.0096	138	0.0108	285	0.0117	287	0.0118	251	0.0138	234	0.0148	225	0.0132	56	0.0234	58	0.0227	66	0.0231	64	0.0233	64	0.0218	62	0.0199	45	0.0177	30	0.0178	25	0.0167	22	0.0174	21	0.0178	17	0.0191		
P801023	821972.4	824629.8	821981.0	824650.3	80.7	10.0	22	N	1	83	0.0081	56	0.0084	38	0.0078	28	0.0080	32	0.0088	60	0.0096	138	0.0108	285	0.0117	287	0.0118	251	0.0138	234	0.0148	225	0.0132	56	0.0234	58	0.0227	66	0.0231	64	0.0233	64	0.0218	62	0.0199	45	0.0177	30	0.0178	25	0.0167	22	0.0174	21	0.0178	17	0.0191		
P801024	821831.5	824625.7	821798.5	824601.2	84.3	10.0	41	N	1	105	0.1406	70	0.1414	48	0.1402	36	0.1396	75	0.1393	169	0.1379	169	0.1046	225	0.1209	308	0.1385	260	0.1423	243	0.1425	376	0.0317	383	0.0306	407	0.0302	413	0.0294	443	0.0307	507	0.0310	506	0.0271	395	0.0296	332	0.0318	316	0.0318	307	0.0306	236	0.0307				
P801025	821867.3	824612.9	821882.0	824612.2	83.4	10.0	15	N	4	399	0.0078	269	0.0079	183	0.0079	139	0.0082	163	0.0091	291	0.0097	659	0.0114	1359	0.0143	1364	0.0143	1149	0.0161	1064	0.0169	1039	0.0149	622	0.0186	640	0.0180	699	0.0192	705	0.0184	742	0.0179	818	0.0160	815	0.0125	616	0.0115	505	0.0107	476	0.0096	467	0.0089	360	0.0092		
P801026	821882.0	824612.2	821901.8	824607.5	82.3	10.0	20	N	4	399	0.0078	269	0.0079	183	0.0079	139	0.0082	163	0.0091	291	0.0097	659	0.0114	1359	0.0143	1364	0.0143	1149	0.0161	1064	0.0169	1039	0.0149	622	0.0186	640	0.0180	699	0.0192	705	0.0184	742	0.0179	818	0.0160	815	0.0125	616	0.0115	505	0.0107	476	0.0096	467	0.0089	360	0.0092		
P801027	821855.4	824611.4	821867.3	824612.9	85.5	10.0	12	N	4	399	0.0078	269	0.0079	183	0.0079	139	0.0082	163	0.0091	291	0.0097	659	0.0114	1359	0.0143	1364	0.0143	1149	0.0161	1064	0.0169	1039	0.0149	622	0.0186	640	0.0180	699	0.0192	705	0.0184	742	0.0179	818	0.0160	815	0.0125	616	0.0115	505	0.0107	476	0.0096	467	0.0089	360	0.0092		
P801028	821966.9	824608.8	821972.4	824629.8	80.5	10.0	22	N	1	83	0.0081	56	0.0084	38	0.0078	28	0.0080	32	0.0088	60	0.0096	138	0.0108	285	0.0117	287	0.0118	251	0.0138	234	0.0148	225	0.0132	56	0.0234	58	0.0227	66	0.0231	64	0.0233	64	0.0218	62	0.0199	45	0.0177	30	0.0178	25	0.0167	22	0.0174	21	0.0178	17	0.0191		
P801029	821901.8	824607.5	821918.1	824599.9	81.4	10.0	18	N	4	399	0.0078	269	0.0079	183	0.0079	139	0.0082	163	0.0091	291	0.0097	659	0.0114	1359	0.0143	1364	0.0143	1149	0.0161	1064	0.0169	1039	0.0149	622	0.0186	640	0.0180	699	0.0192	705	0.0184	742	0.0179	818	0.0160	815	0.0125	616	0.0115	505	0.0107	476	0.0096	467	0.0089	360	0.0092		
P801030	821837.2	824606.9	821855.4	824611.4	86.2	10.0	19	N	4	399	0.0078	269	0.0079	183	0.0079	139	0.0082	163	0.0091	291	0.0097	659	0.0114	1359	0.0143	1364	0.0143	1149	0.0161	1064	0.0169	1039	0.0149	622	0.0186	640	0.0180	699	0.0192	705	0.0184	742	0.0179	818	0.0160	815	0.0125	616	0.0115	505	0.0107	476	0.0096	467	0.0089	360	0.0092		
P801031	821798.5	824601.2	821768.8	824582.0	83.6	10.0	35	N	1	105	0.1406	70	0.1414	48	0.1402	36	0.1396	75	0.1393	169	0.1379	169	0.1046	225	0.1209	308	0.1385	260	0.1423	243	0.1425	376	0.0317	383	0.0306	407	0.0302	413	0.0294	443	0.0307	507	0.0310	506	0.0271	395	0.0296	332	0.0318	316	0.0318	307	0.0306	236	0.0307				
P801032	821918.1	824599.9	821931.4	824590.1	80.1	10.0	17	N	4	399	0.0078	269	0.0079	183	0.0079	139	0.0082	163	0.0091	291	0.0097	659	0.0114	1359	0.0143	1364	0.0143	1149	0.0161	1064	0.0169	1039	0.0149	622	0.0186	640	0.0180	699	0.0192	705	0.0184	742	0.0179	818	0.0160	815	0.0125	616	0.0115	505	0.0107	476	0.0096	467	0.0089	360	0.0092		
P801033	821814.6	824596.7	821837.2	824606.9	86.8	10.0	25	N	4	399	0.0078	269	0.0079	183	0.0079	139	0.0082	163	0.0091	291	0.0097	659	0.0114	1359	0.0143	1364	0.0143	1149	0.0161	1064	0.0169	1039	0.0149	622	0.0186	640	0.0180	699	0.0192	705	0.0184	742	0.0179	818	0.0160	815	0.0125	616	0.0115	505	0.0107	476	0.0096	467	0.0089	360	0.0092		
P801034	821792.0	824583.6	821814.6	824596.7	86.0	10.0	26	N	1	399	0.0078	269	0.0079	183	0.0079	139	0.0082	163	0.0091	291	0.0097	659	0.0114	1359	0.0143	1364	0.0143	1149	0.0161	1064	0.0169	1039	0.0149	622	0.0186	640	0.0180	699	0.0192	705	0.0184	742	0.0179	818	0.0160	815	0.0125	616	0.0115	505	0.0107	476	0.0096	467	0.0089	360	0.0092		
P801035	821742.0	824550.5	821792.0	824583.6	85.1	10.0	60	N	1	399	0.0078	269	0.0079	183	0.0079	139	0.0082	163	0.0091	291	0.0097	659	0.0114	1359	0.0143	1364	0.0143	1149	0.0161	1064	0.0169	1039	0.0149	622	0.0186	640	0.0180	699	0.0192	705	0.0184	742	0.0179	818	0.0160	815	0.0125	616	0.0115	505	0.0107	476	0.0096	467	0.0089	360	0.0092		
P801036	821716.5	824535.3	821742.0	824550.5	82.4	10.0	30	N	1	399	0.0078	269	0.0079	183	0.0079	139	0.0082	163	0.0091	291	0.0097	659	0.0114	1359	0.0143	1364	0.0143	1149	0.0161	1064	0.0169	1039	0.0149	622	0.0186	640	0.0180	699	0.0192	705	0.0184	742	0.0179	818	0.0160	815	0.0125	616	0.0115	505	0.0107	476	0.0096	467	0.0089	360	0.0092		
P801037	822930.0	822693.5	822935.6	822679.3	80.3	10.0	15	N	1	97	0.0111	65	0.0113	45	0.0111	34	0.0117	40	0.0122	72	0.0128	163	0.0125	330	0.0106	334	0.0114	290	0.0150	267	0.0156	262	0.0142	185	0.0190	191	0.0186	214	0.0188	211	0.0183	220	0.0181	233	0.0169	213	0.0137	159	0.0148	132	0.0145	122	0.0139	119	0.0137	95	0.0143		
P801038	822935.6	822679.3	822940.8	822662.8	81.2	10.0	17	N	1	97	0.0111	65	0.0113	45	0.0111	34	0.0117	40	0.0122	72	0.0128	163	0.0125	330	0.0106	334	0.0114	290	0.0150	267	0.0156	262	0.0142	185	0.0190	191	0.0186	214	0.0188	211	0.0183	220	0.0181	233	0.0169	213	0.0137	159	0.										

Hourly Composite Vehicular Emission Factor for FSP (1st Jan, Year 2033)

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width, Road Length, With Barrier, Caline Road Type, and 24 columns for hourly emission factors (Hr01 to Hr24) for various pollutants (Flow, Emf). The table contains 1000 rows of data.



Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing environmental assessment parameters for various highway segments.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01-24 (Flow, Emf), Hr25-48 (Flow, Emf). The table contains 1000 rows of detailed data for each segment.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01-24 (Flow, Emf), Hr25-48 (Flow, Emf). Rows represent individual highway segments with detailed flow and emission data.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01-24 (Flow, Emf), Hr25-48 (Flow, Emf). The table contains 1000 rows of detailed data for various highway segments.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing various parameters for each segment.

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01-24 (Flow, Emf), Hr25-48 (Flow, Emf). The table contains 48 rows of data for each segment, detailing traffic flow and environmental impact metrics.

Table with columns for Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width, Road Length, and various environmental impact metrics (Flow, Emf) for 24 different segments (Hr01 to Hr24).

Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing various parameters for each segment.



Table with columns: Segment ID, X-Start, Y-Start, X-End, Y-End, Height, Width (with/without), Road Length, With Barrier, Caline Road Type, Hr01, Hr02, Hr03, Hr04, Hr05, Hr06, Hr07, Hr08, Hr09, Hr10, Hr11, Hr12, Hr13, Hr14, Hr15, Hr16, Hr17, Hr18, Hr19, Hr20, Hr21, Hr22, Hr23, Hr24. Each cell contains numerical data representing various parameters for each segment.



