
















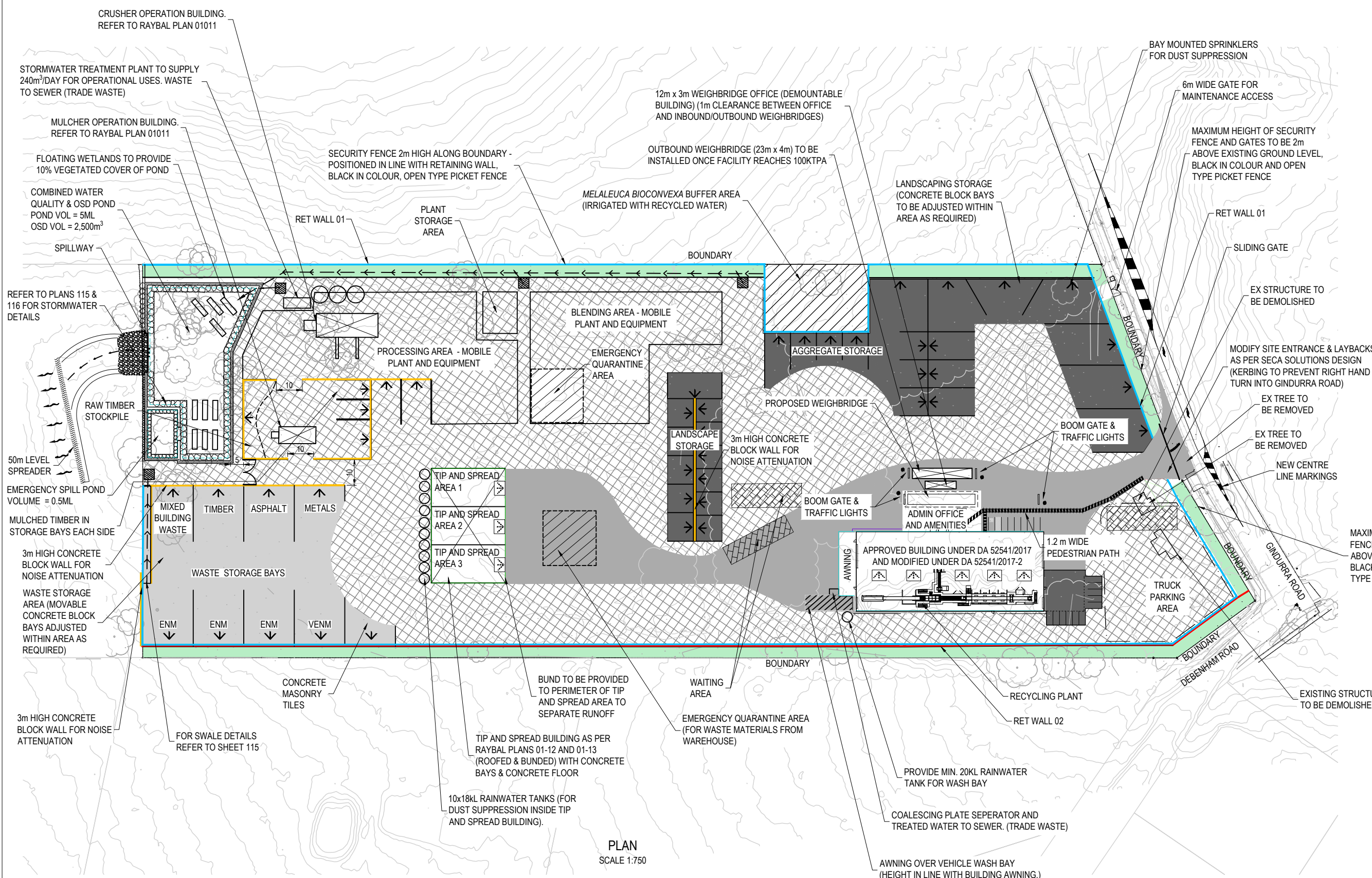


NOTES:

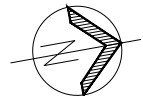
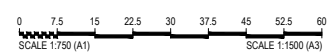
1. ALL DIMENSIONS IN METRES UNO.
2. HP GAS MAIN PRESENT ON GINDURRA ROAD.
3. EXISTING CONTOURS ARE AT 0.5m INTERVALS

LEGEND

-  5m HIGH CONCRETE PANEL NOISE WALL
-  IRRIGATED LANDSCAPED BUFFER (5m) - SEE LANDSCAPE ARCHITECTURAL PLANS
-  MELALEUCA BICONVEXA PROTECTION AREA - APZ
-  PAVEMENT AREA (CONCRETE)
-  SEALED SURFACE (ASPHALT)
-  RECYCLED CRUSHED CONCRETE ROADBASE WITH GEOTEXTILE MEMBRANE
-  CONCRETE KERB AND GUTTER
-  PROPOSED RETAINING WALL
-  3m HIGH CONCRETE BLOCK WALL FOR NOISE ATTENUATION
-  DISH DRAIN
-  TRUCK PARKING AREA
-  WAITING AREA
-  PROPOSED SPRINKLER OUTLET FOR DUST SUPPRESSION.
-  PROPOSED MISTING OUTLET FOR DUST SUPPRESSION.
-  BARRAMY GROSS POLLUTANT TRAP (4 OFF)
-  PROPOSED BUILDINGS
-  BIOSWALE. REFER TO SHEET 115 FOR DETAILS



PLAN
SCALE 1:750



REV	DATE	DESCRIPTION	BY	CHKD
4	07/04/2020	REVISED FOR DA	AB	ML
3	27/03/2020	REVISED FOR DA	AB	ML
2	20/01/2020	REVISED FOR DA	GA	ML
1	16/12/2019	FOR DA	GA	ML



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
















PROJECT: PROPOSED KARIONG SAND & SOIL SUPPLIES FACILITY - SSD8660		DESIGNED: G. ABDULAHED	SHEET: 106	DATE: 07/04/2020
GENERAL ARRANGEMENT PLAN		DRAWN: G. ABDULAHED	SHEET No: 1 OF 9	SIZE: A1
CLIENT: KARIONG SAND & SOIL SUPPLIES	JOB REF No: 197	CHECKED: M. LIEBMAN	SCALE: 1:750	DATUM: AHD
		COORD. ORIGIN:		

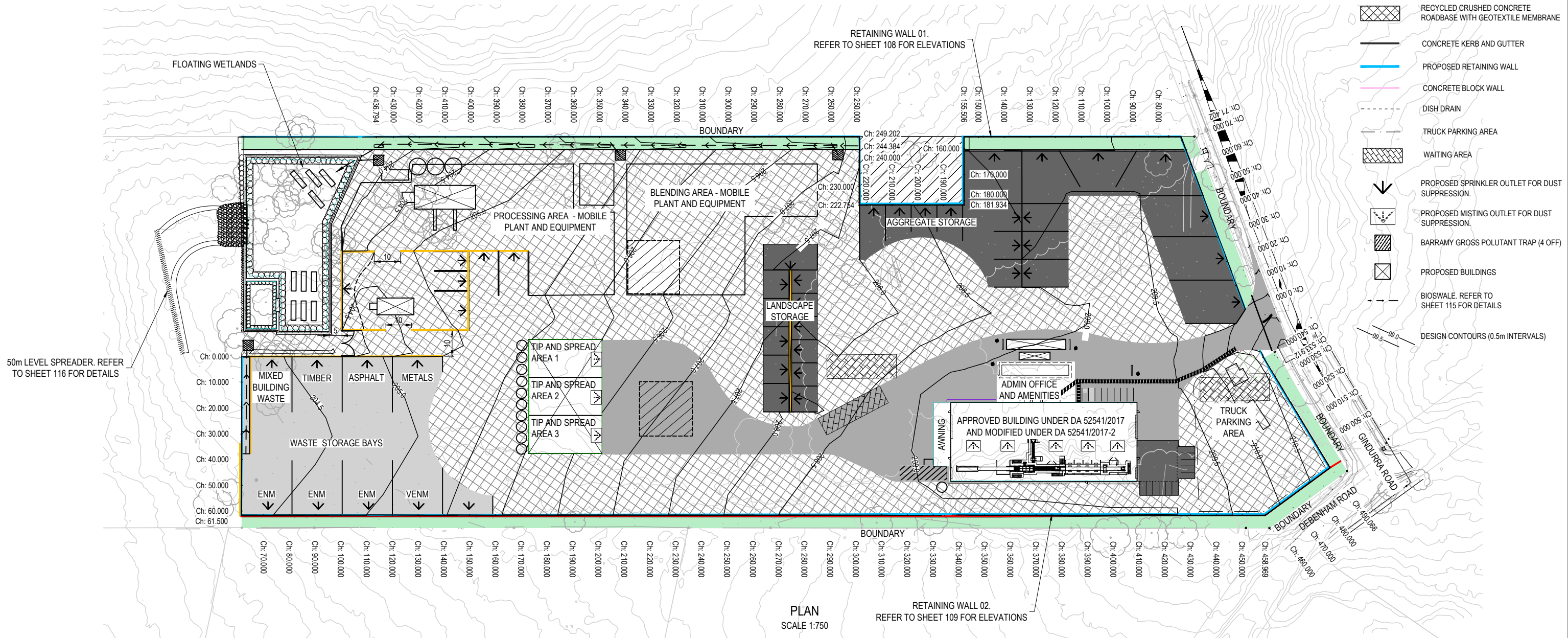


NOTES:

1. ALL DIMENSIONS IN METRES UNO.
2. HP GAS MAIN PRESENT ON GINDURRA ROAD.

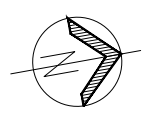
LEGEND

-  5m HIGH CONCRETE PANEL NOISE WALL
-  IRRIGATED LANDSCAPED BUFFER (5m) - SEE LANDSCAPE ARCHITECTURAL PLANS
-  MELALEUCA BICONVEXA PROTECTION AREA - APZ
-  PAVEMENT AREA (CONCRETE)
-  SEALED SURFACE (ASPHALT)
-  RECYCLED CRUSHED CONCRETE ROADBASE WITH GEOTEXTILE MEMBRANE
-  CONCRETE KERB AND GUTTER
-  PROPOSED RETAINING WALL
-  CONCRETE BLOCK WALL
-  DISH DRAIN
-  TRUCK PARKING AREA
-  WAITING AREA
-  PROPOSED SPRINKLER OUTLET FOR DUST SUPPRESSION.
-  PROPOSED MISTING OUTLET FOR DUST SUPPRESSION.
-  BARRAMY GROSS POLLUTANT TRAP (4 OFF)
-  PROPOSED BUILDINGS
-  BIOSWALE. REFER TO SHEET 115 FOR DETAILS
-  DESIGN CONTOURS (0.5m INTERVALS)



50m LEVEL SPREADER. REFER TO SHEET 116 FOR DETAILS

PLAN
SCALE 1:750



REV	DATE	DESCRIPTION	BY	CHKD
4	07/04/2020	REVISED FOR DA	AB	ML
3	27/03/2020	REVISED FOR DA	AB	ML
2	20/01/2020	REVISED FOR DA	GA	ML
1	16/12/2019	FOR DA	GA	ML



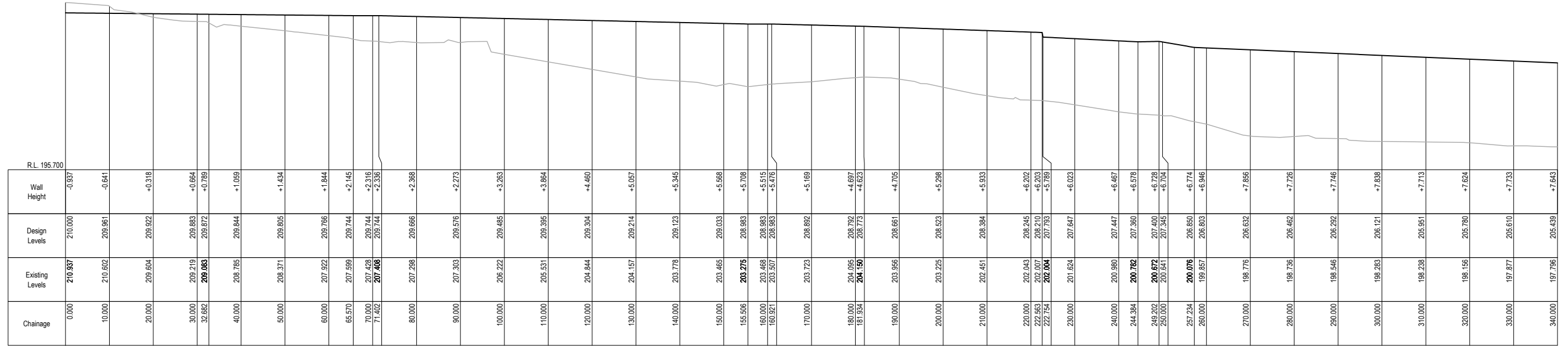
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PROJECT: PROPOSED KARIONG SAND & SOIL SUPPLIES FACILITY - SSD8660
CIVIL WORKS PLAN
CLIENT: KARIONG SAND & SOIL SUPPLIES
JOB REF No: 197

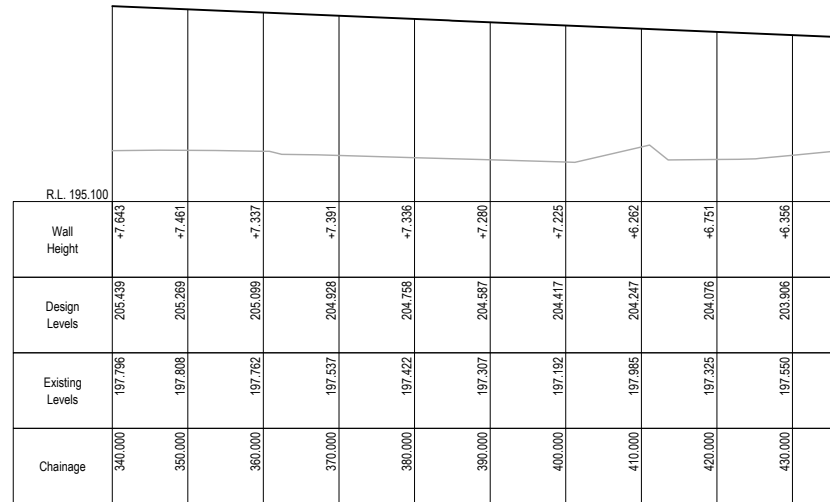
DESIGNED: G. ABDULAHED
DRAWN: G. ABDULAHED
CHECKED: M. LIEBMAN
SHEET: 107
SHEET No: 2 OF 9
SCALE: 1:750
COORD. ORIGIN:
DATE: 07/04/2020
SIZE: A1
DATUM: AHD





WALL01 ELEVATION (CH0.000 - CH340.000)

SCALES H 1:500
V 1:200



WALL01 ELEVATION (CH340.000 - CH436.794)

SCALES H 1:500
V 1:200



REV	DATE	DESCRIPTION	BY	CHKD
4	07/04/2020	REVISED FOR DA	AB	ML
3	27/03/2020	REVISED FOR DA	AB	ML
2	20/01/2020	REVISED FOR DA	GA	ML
1	16/12/2019	FOR DA	GA	ML



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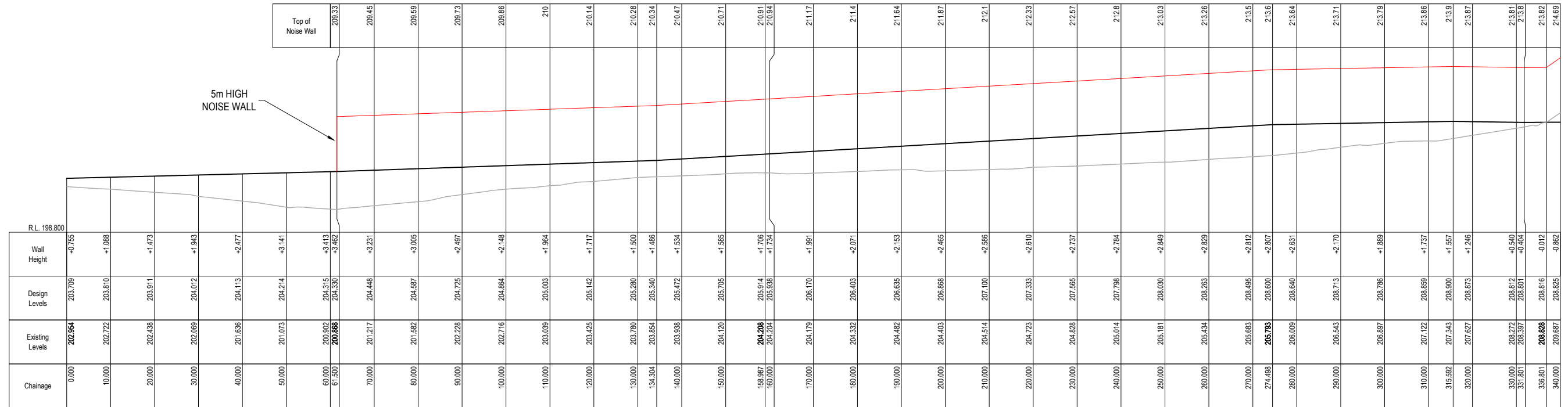
PROJECT: PROPOSED KARIONG SAND & SOIL SUPPLIES FACILITY - SSD8660
RETAINING WALL LONG SECTIONS - SHEET 1 OF 2

CLIENT: KARIONG SAND & SOIL SUPPLIES

JOB REF No: 197

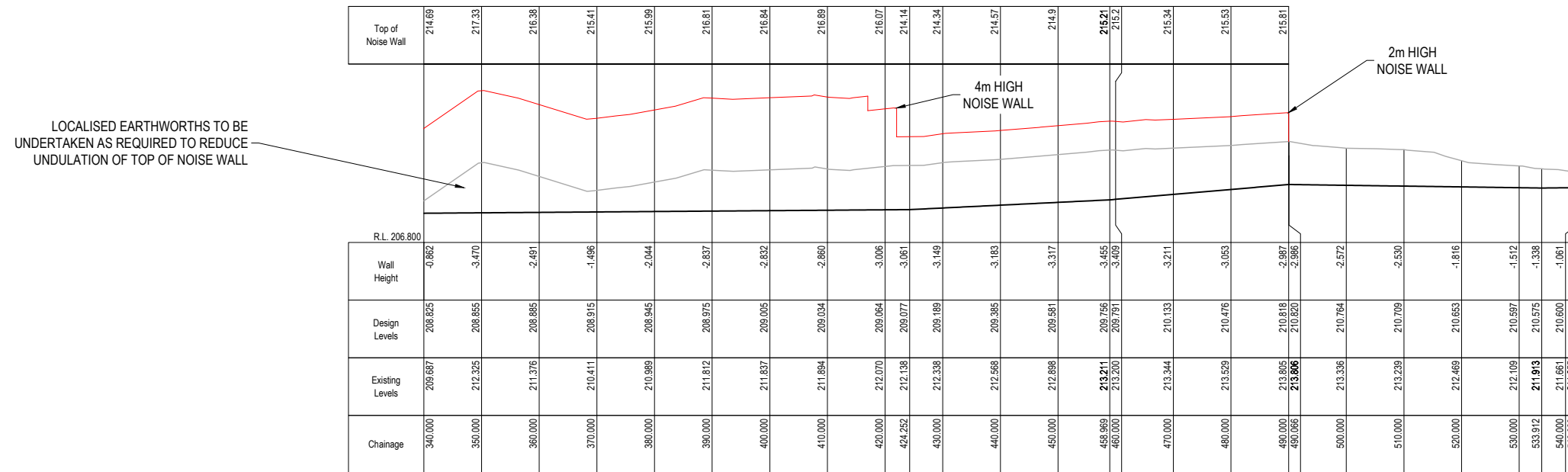
DESIGNED: G. ABDULAHED
DRAWN: G. ABDULAHED
CHECKED: M. LIEBMAN

SHEET: 108
SHEET No: 3 OF 9
SCALE:
DATE: 07/04/2020
SIZE: A1
DATUM: AHD
COORD. ORIGIN:



WALL02 ELEVATION (CH0.000 - CH340.000)

SCALES H 1:500
V 1:200



WALL02 ELEVATION (CH340.000 - CH540.089)

SCALES H 1:500
V 1:200



REV	DATE	DESCRIPTION	BY	CHKD
4	07/04/2020	REVISED FOR DA	AB	ML
3	27/03/2020	REVISED FOR DA	AB	ML
2	20/01/2020	REVISED FOR DA	GA	ML
1	16/12/2019	FOR DA	GA	ML



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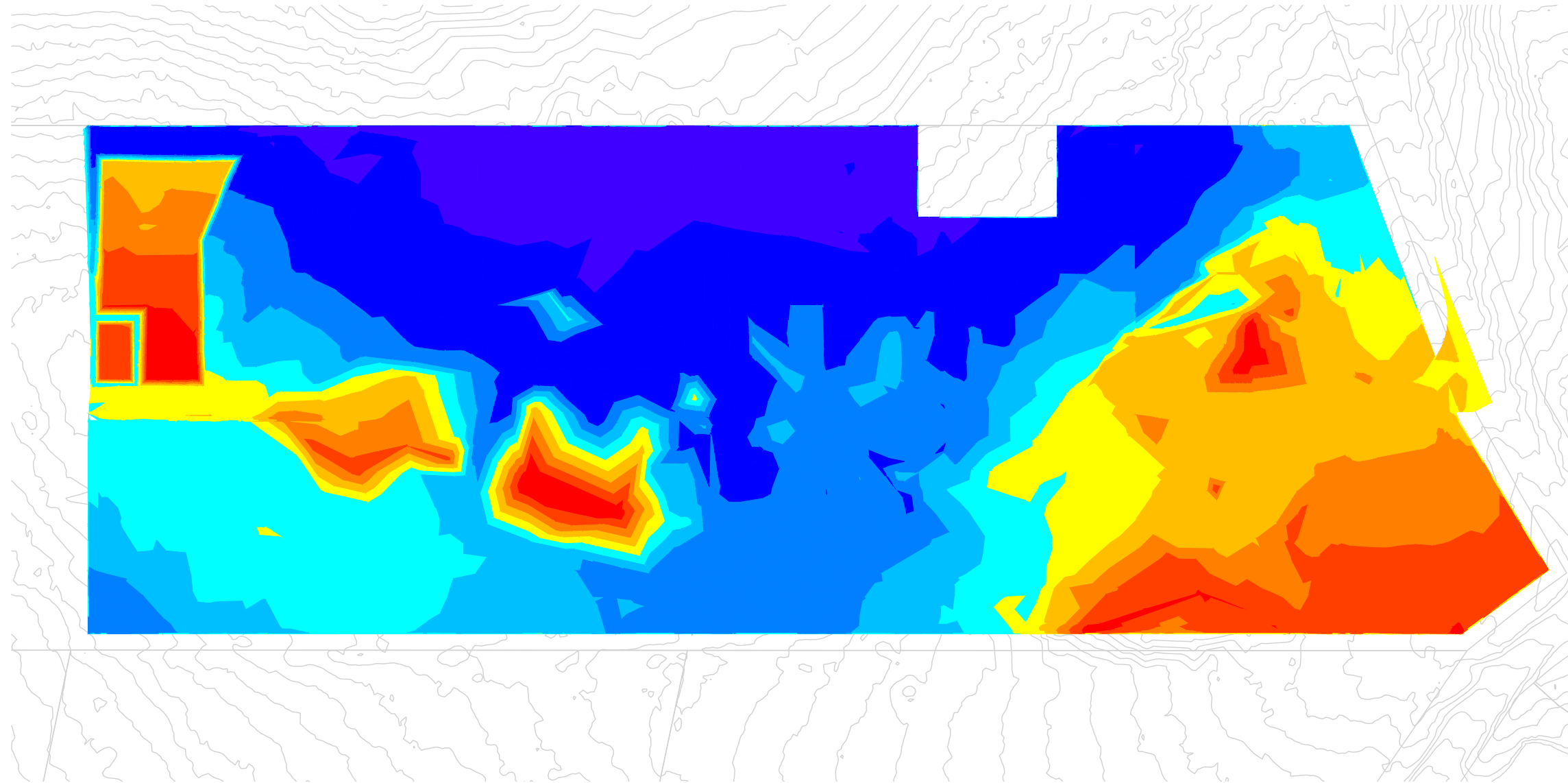
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PROJECT: PROPOSED KARIONG SAND & SOIL SUPPLIES FACILITY - SSD8660 RETAINING WALL LONG SECTIONS - SHEET 2 OF 2	
CLIENT: KARIONG SAND & SOIL SUPPLIES	JOB REF No: 197

DESIGNED: G. ABDULAHED	SHEET: 109	DATE: 07/04/2020
DRAWN: G. ABDULAHED	SHEET No: 4 OF 9	SIZE: A1
CHECKED: M. LIEBMAN	SCALE:	DATUM: AHD
COORD. ORIGIN:		

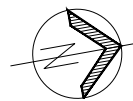
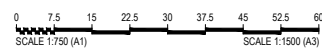
NOTES:

1. NET FILL VOLUME ABOVE EXISTING SURFACE = 107,200m³
2. NET CUT VOLUME BELOW EXISTING SURFACE = 35,900m³
3. BALANCE OF CUT : FILL = (107,200m³ - 35,900m³) = 71,300m³ FILL REQUIRED
4. PAVEMENT VOLUME = 25,200m³
5. DRAINAGE LAYER VOLUME = 8,400m³
6. CONCRETE AREA = 6,600m²
7. ASPHALT AREA = 11,500m²
8. UNSEALED PAVEMENT AREA = 30,500m²
9. ALL ABOVE AREAS ARE EXCLUDING BUILDINGS



Levels Table			
Number	Minimum Level	Maximum Level	Colour
1	-6.000	-4.000	Red
2	-4.000	-3.000	Orange
3	-3.000	-2.000	Yellow-Orange
4	-2.000	-1.000	Yellow
5	-1.000	0.000	Light Yellow
6	0.000	1.000	Cyan
7	1.000	2.000	Light Blue
8	2.000	3.000	Blue
9	3.000	5.000	Dark Blue
10	5.000	8.000	Dark Purple

PLAN
SCALE 1:750



REV	DATE	DESCRIPTION	BY	CHKD
4	07/04/2020	REVISED FOR DA	AB	ML
3	27/03/2020	REVISED FOR DA	AB	ML
2	20/01/2020	REVISED FOR DA	GA	ML
1	16/12/2019	FOR DA	GA	ML



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PROJECT: PROPOSED KARIONG SAND & SOIL SUPPLIES FACILITY - SSD8660
BULK EARTHWORKS PLAN

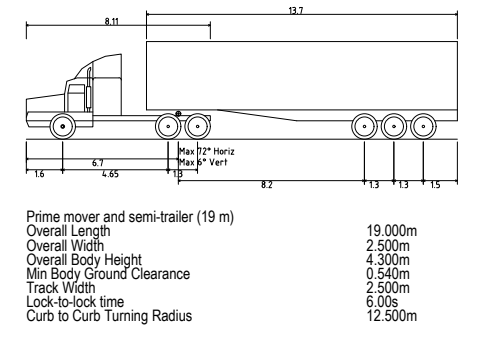
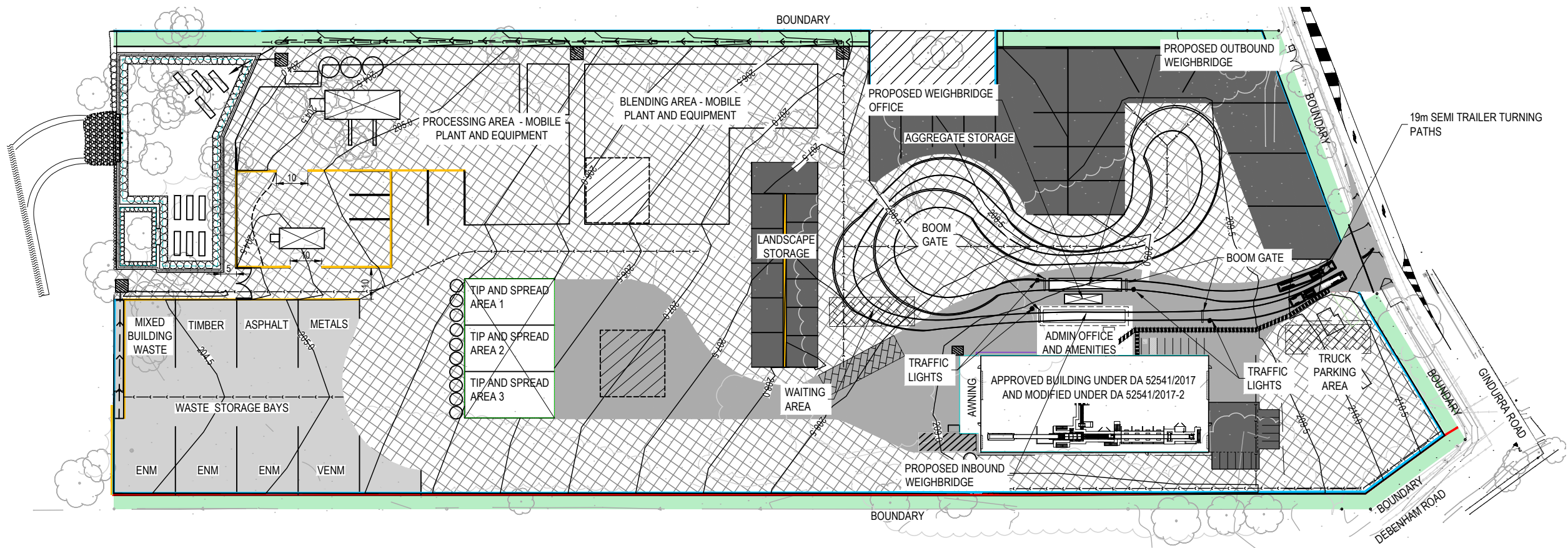
CLIENT: KARIONG SAND & SOIL SUPPLIES

JOB REF No: 197

DESIGNED: G. ABDULAHED
DRAWN: G. ABDULAHED
CHECKED: M. LIEBMAN

SHEET: 110
SHEET No: 5 OF 9
SCALE: 1:750
COORD. ORIGIN:
DATE: 07/04/2020
SIZE: A1
DATUM: AHD

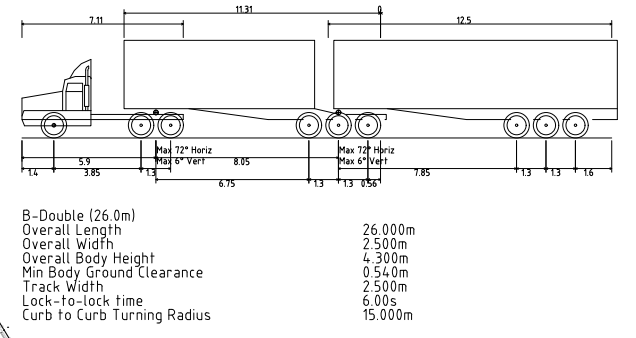
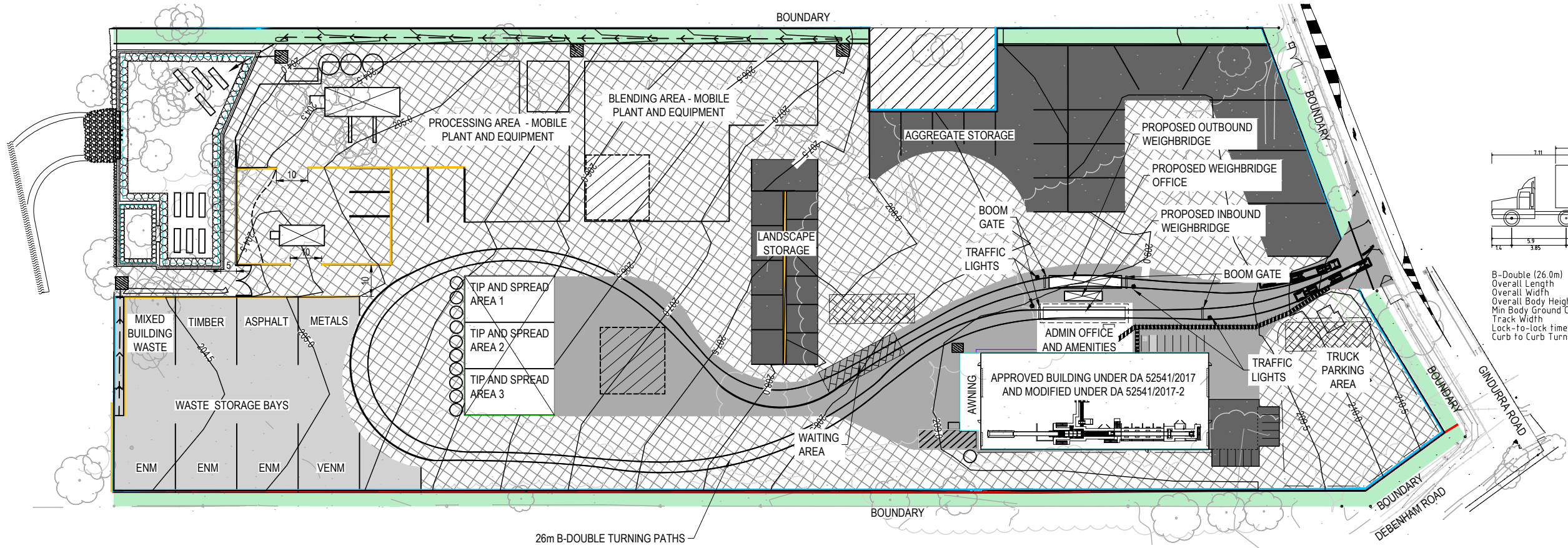




LEGEND

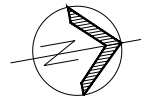
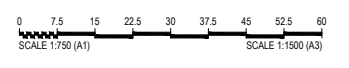
DESIGN CONTOURS (0.5m INTERVALS)

PLAN - 19m SEMI TRAILER TURNING PATHS
SCALE 1:750



26m B-DOUBLE TURNING PATHS

PLAN - 26m B-DOUBLE TURNING PATHS
SCALE 1:750



REV	DATE	DESCRIPTION	BY	CHKD
4	07/04/2020	REVISED FOR DA	AB	ML
3	27/03/2020	REVISED FOR DA	AB	ML
2	20/01/2020	REVISED FOR DA	GA	ML
1	16/12/2019	FOR DA	GA	ML

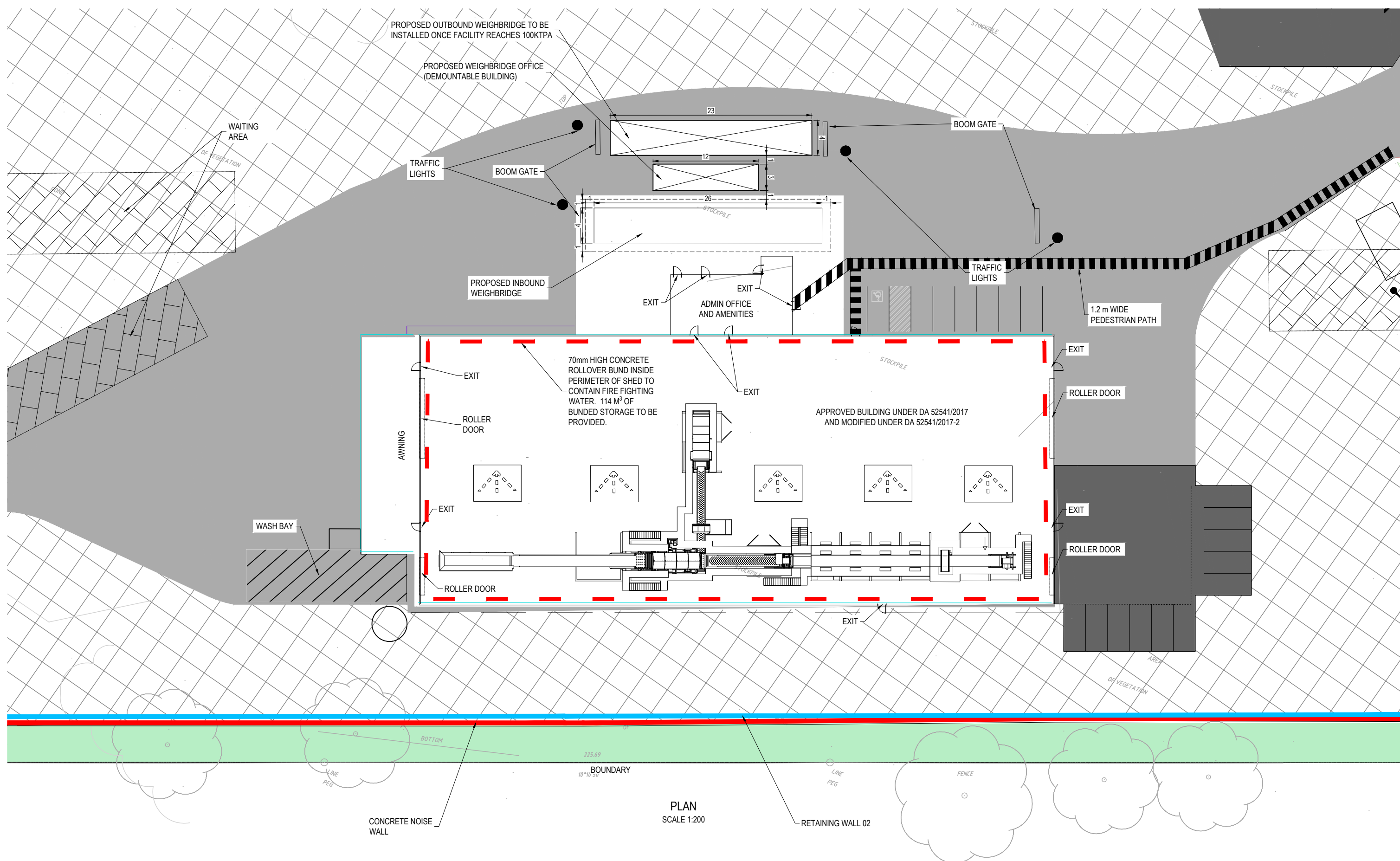


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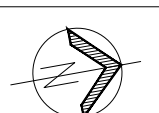
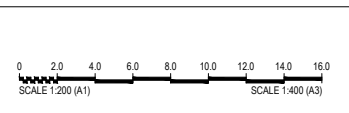
PROJECT: PROPOSED KARIONG SAND & SOIL SUPPLIES FACILITY - SSD8660
 TURNING MOVEMENTS PLAN
 CLIENT: KARIONG SAND & SOIL SUPPLIES
 JOB REF No: 197

DESIGNED: G. ABDULAHED
 DRAWN: G. ABDULAHED
 CHECKED: M. LIEBMAN
 SHEET: 111
 SHEET No: 6 OF 9
 SCALE: 1:750
 COORD. ORIGIN:
 DATE: 07/04/2020
 SIZE: A1
 DATUM: AHD





PLAN
SCALE 1:200



REV	DATE	DESCRIPTION	BY	CHKD
5	20/04/2020	REVISED FOR DA	AB	ML
4	7/04/2020	REVISED FOR DA	AB	ML
3	23/01/2020	REVISED FOR DA	GA	ML
2	20/01/2020	FOR DA	GA	ML

BY	CHKD
AB	ML
GA	ML
GA	ML

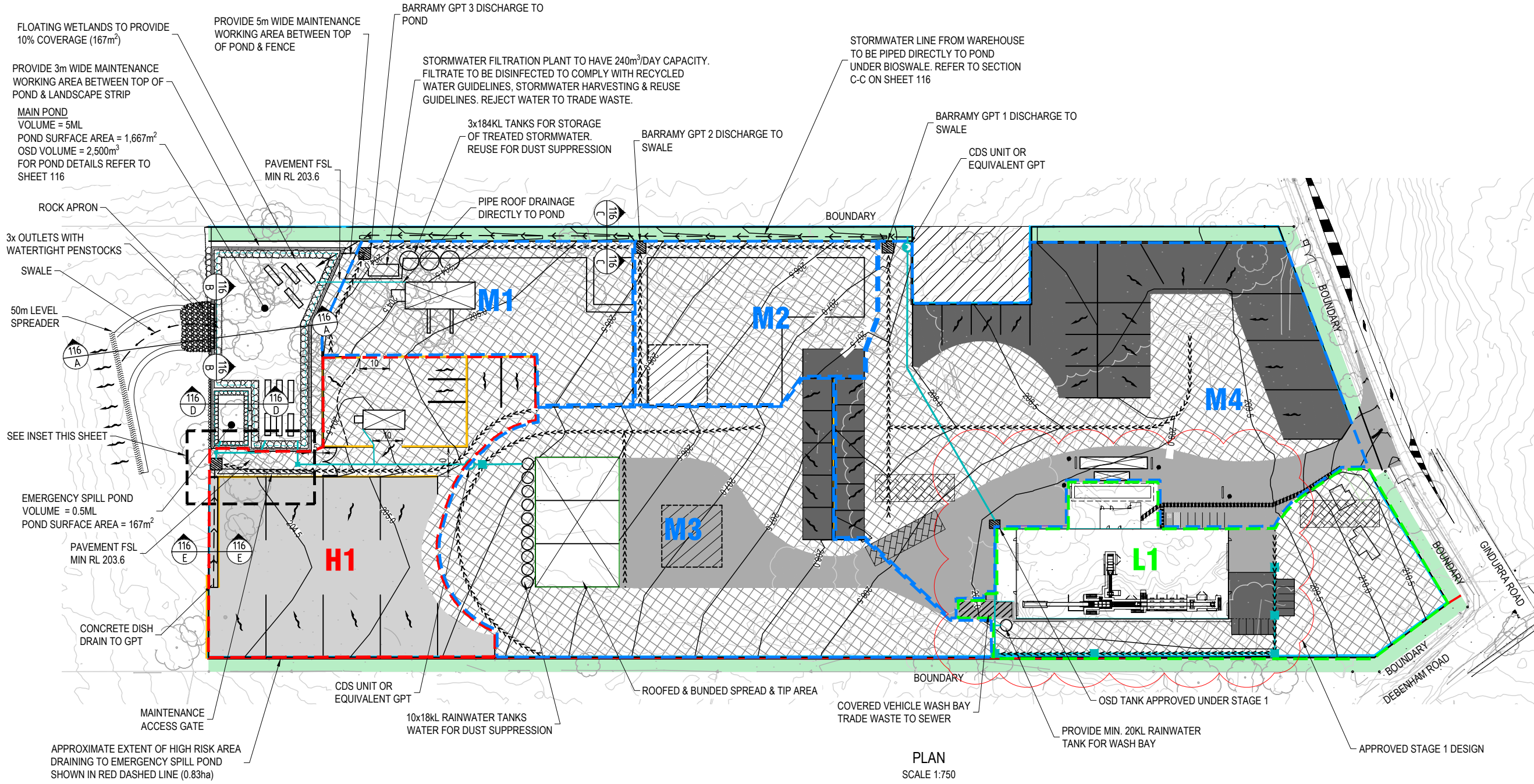


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PROJECT: PROPOSED KARIONG SAND & SOIL SUPPLIES FACILITY - SSD8660
 DETAILED SECONDARY PROCESSING BUILDING PLAN
 CLIENT: KARIONG SAND & SOIL SUPPLIES
 JOB REF No: 197

DESIGNED: G. ABDULAHED	SHEET: 113	DATE: 20/04/2020
DRAWN: G. ABDULAHED	SHEET No: 7 OF 9	SIZE: A1
CHECKED: M. LIEBMAN	SCALE: 1:200	DATUM: AHD
COORD. ORIGIN:		

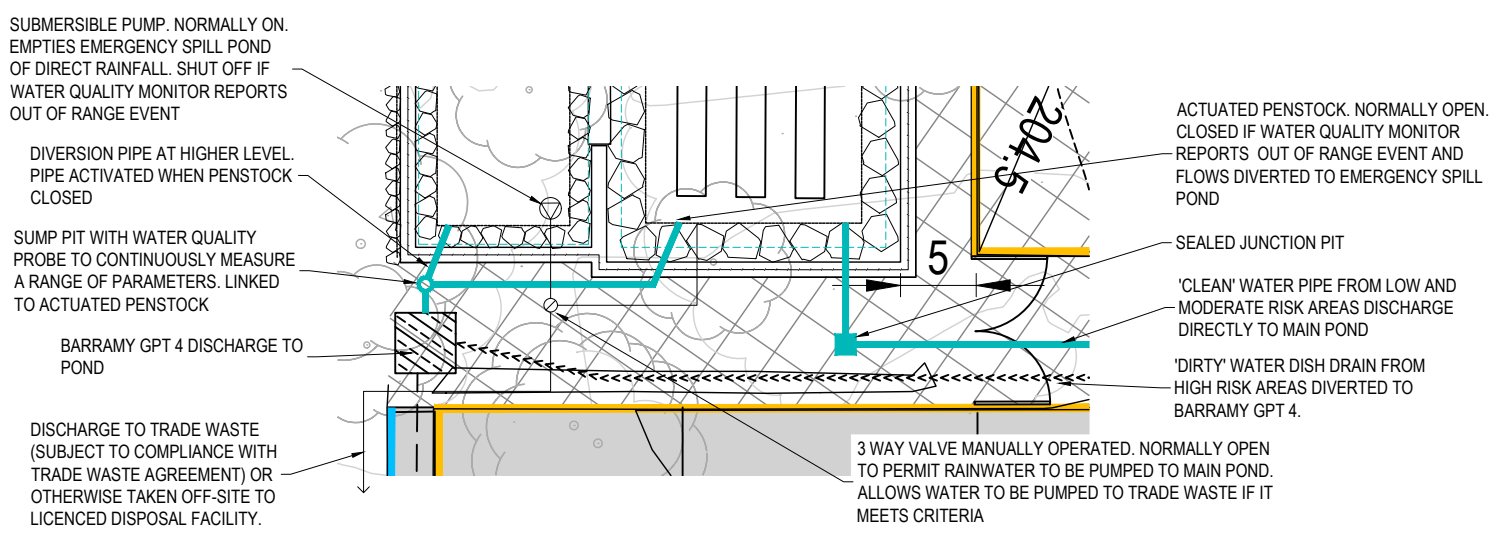




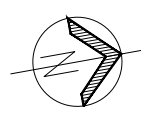
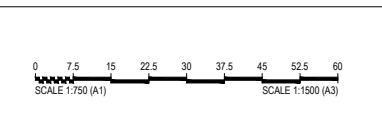
- ### LEGEND
- DISH DRAIN
 - 2m HIGH CHAIN WIRE FENCE WITH FAUNA FRIENDLY "FLOPPY TOP" AROUND POND
 - DIRECTION OF FALL
 - DESIGN CONTOURS (0.5m INTERVALS)
 - RCP AT 1% MIN. GRADE
 - BARRAMY GROSS POLLUTANT TRAP (4 OFF)
 - 1200 x1200 CLASS D GRATED PIT
 - APPROX EXTENT OF HIGH RISK AREAS
 - APPROX EXTENT OF MEDIUM RISK AREAS
 - APPROX EXTENT OF LOW RISK AREAS

- NOTES:**
- ALL UNSEALED AREAS TO HAVE EITHER HDPE OR GCL LINER BELOW TO PROTECT GROUNDWATER

PLAN
SCALE 1:750



INSET
SCALE 1:250



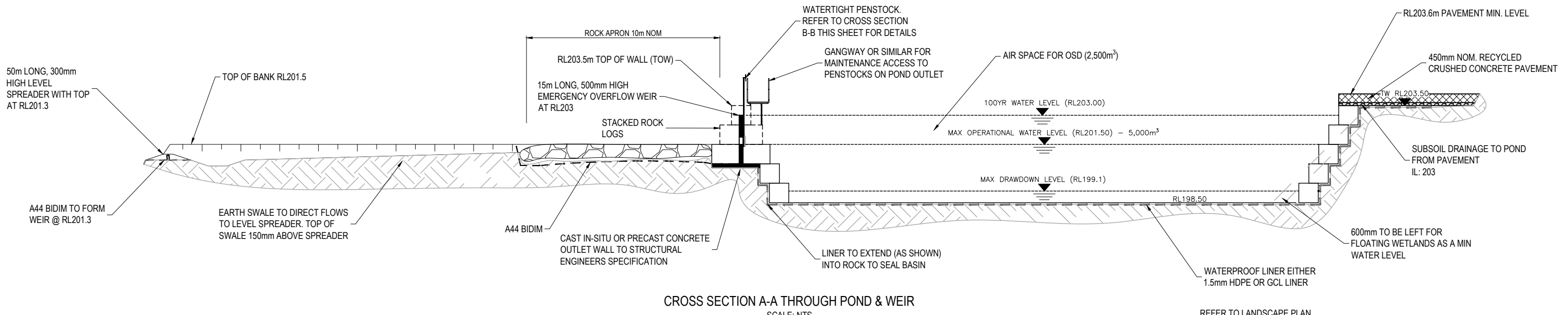
REV	DATE	DESCRIPTION	BY	CHKD
4	07/04/2020	REVISED FOR DA	AB	ML
3	27/03/2020	REVISED FOR DA	AB	ML
2	20/01/2020	REVISED FOR DA	GA	ML
1	16/12/2019	FOR DA	GA	ML



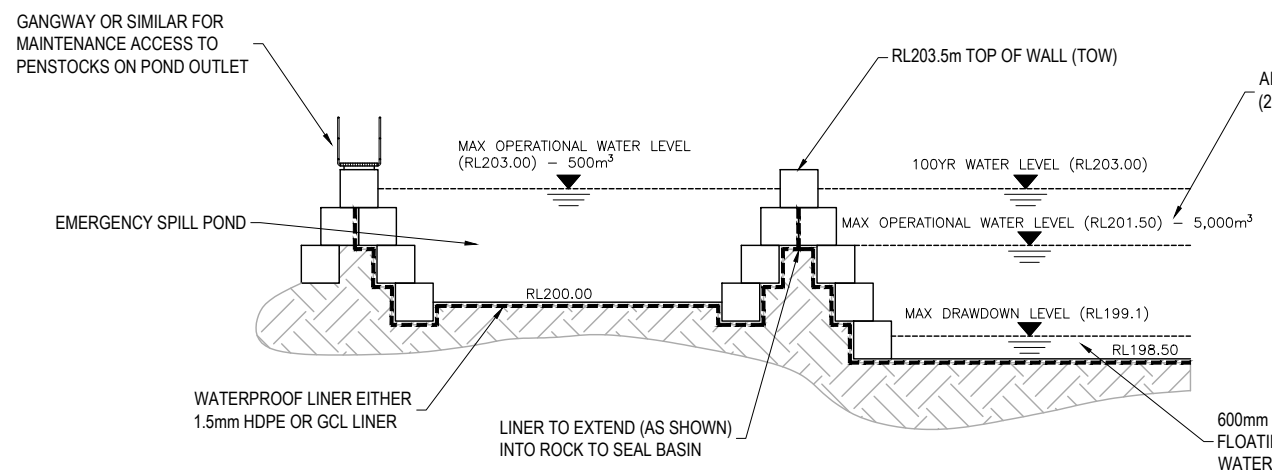
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PROJECT: PROPOSED KARIONG SAND & SOIL SUPPLIES FACILITY - SSD8660		DESIGNED: G. ABDULAHED	SHEET: 115	DATE: 07/04/2020
STORMWATER PLAN		DRAWN: G. ABDULAHED	SHEET No: 8 OF 9	SIZE: A1
CLIENT: KARIONG SAND & SOIL SUPPLIES	JOB REF No: 197	CHECKED: M. LIEBMAN	SCALE: AS SHOWN	DATUM: AHD
		COORD. ORIGIN:		

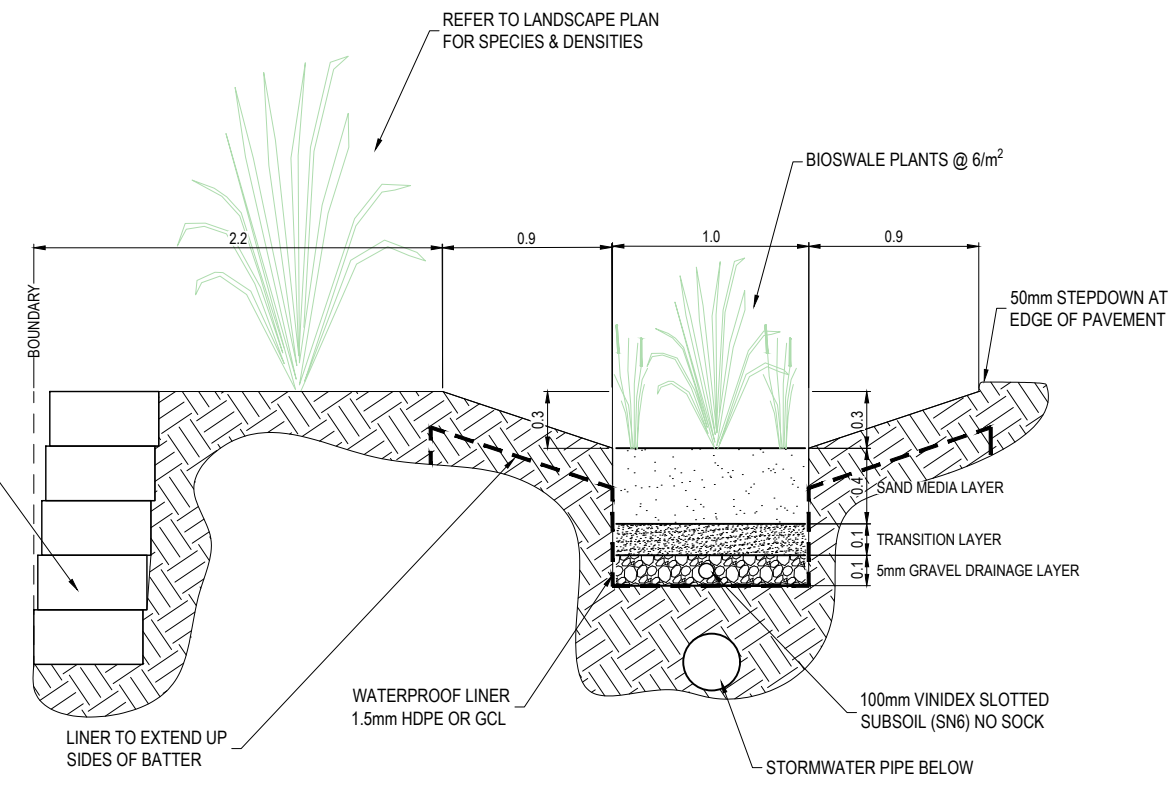




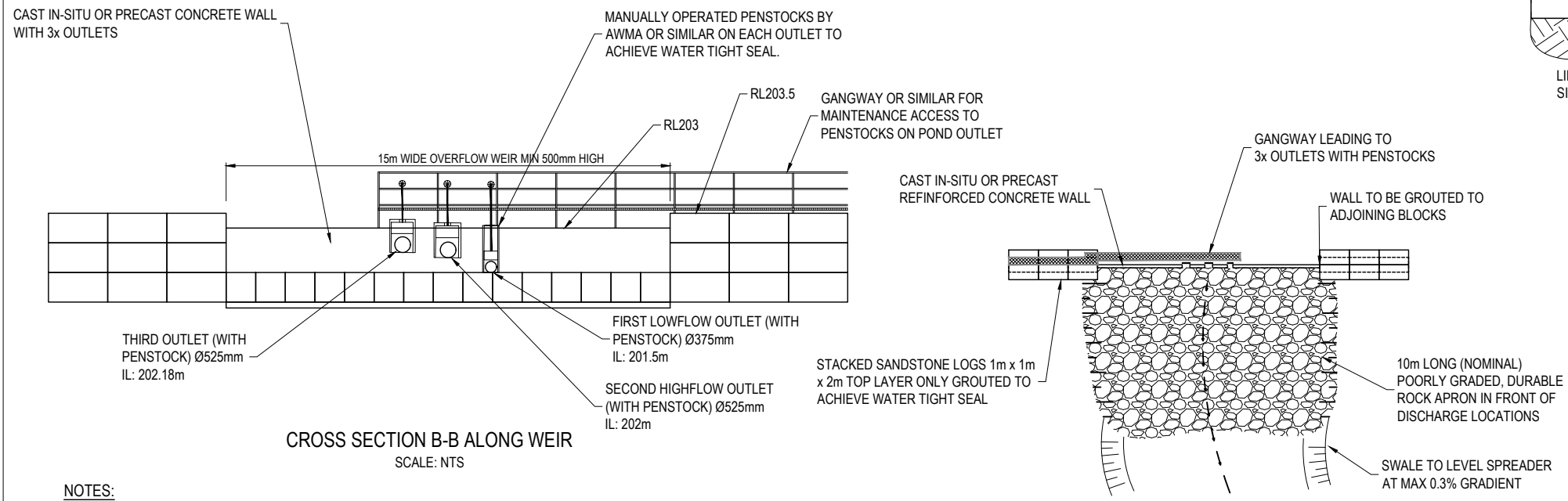
CROSS SECTION A-A THROUGH POND & WEIR
SCALE: NTS



CROSS SECTION D-D THROUGH POND (NOT AT WEIR)
SCALE: NTS

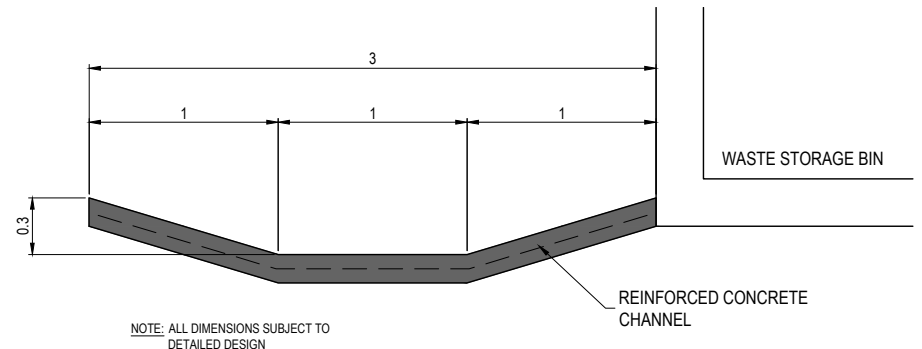


CROSS SECTION C-C THROUGH BIOSWALE
SCALE: NTS



CROSS SECTION B-B ALONG WEIR
SCALE: NTS

WEIR PLAN DETAIL
SCALE: NTS



CROSS SECTION E-E THROUGH CONCRETE DISH DRAIN
SCALE: NTS

- NOTES:
1. WATERTIGHT PENSTOCKS TO BE FITTED TO EACH OUTLET
 2. REFER TO OUTLET PLAN VIEW FOR MORE INFORMATION



4	07/04/2020	REVISED FOR DA	AB	ML
3	27/03/2020	REVISED FOR DA	AB	ML
2	20/01/2020	REVISED FOR DA	GA	ML
1	16/12/2019	FOR DA	GA	ML
REV	DATE	DESCRIPTION	BY	CKD

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PROJECT: PROPOSED KARIONG SAND & SOIL SUPPLIES FACILITY - SSD8660
STORMWATER SECTIONS & DETAILS

CLIENT: KARIONG SAND & SOIL SUPPLIES

DESIGNED: G. ABDULAHED
DRAWN: G. ABDULAHED
CHECKED: M. LIEBMAN

JOB REF No: 197

SHEET: 116
SHEET No: 9 OF 9
SCALE: A1
DATE: 07/04/2020
DENUM: AHD
COORD. ORIGIN: