# REMONDIS RESOURCE RECOVERY FACILITY & TRUCK PARKING DEPOT

LOCATION OF SITE

# LOT 8 & 11 DP270328, 21D & 21F SCHOOL DRIVE TOMAGO **INTERNAL CIVIL WORKS**



LOCALITY PLAN

ISSUED VER'D APP'D DATE



#### DRAWING SCHEDULE

DWG No.	DRAWING TITLE
C1.1	COVER SHEET
C1.3	SITE PLAN
	C1.1

CONCEPT SEDIMENT & EROSION CONTROL PLAN CONCEPT SEDIMENT & EROSION CONTROL DETAILS

CONCEPT BULK EARTHWORKS PLAN

CONCEPT LONG SECTIONS

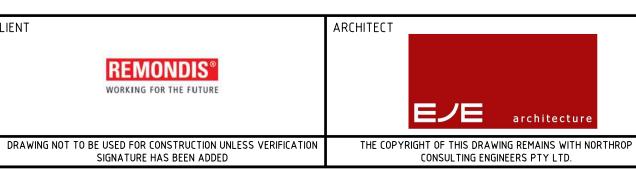
CONCEPT STORMWATER MANAGEMENT & LEVELS PLAN - SHEET 1 CONCEPT STORMWATER MANAGEMENT & LEVELS PLAN - SHEET 2 CONCEPT STORMWATER MANAGEMENT & LEVELS PLAN - SHEET 3

CONCEPT CIVIL DETAILS - SHEET 1

# NOT FOR CONSTRUCTION

PRELIMINARY DEVELOPMENT APPLICATION 28.08.20

DESCRIPTION



DIMENSIONS TO BE VERIFIED WITH THE ARCHITECT AND ON SITE BEFORE MAKING SHOP DRAWINGS OF COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS
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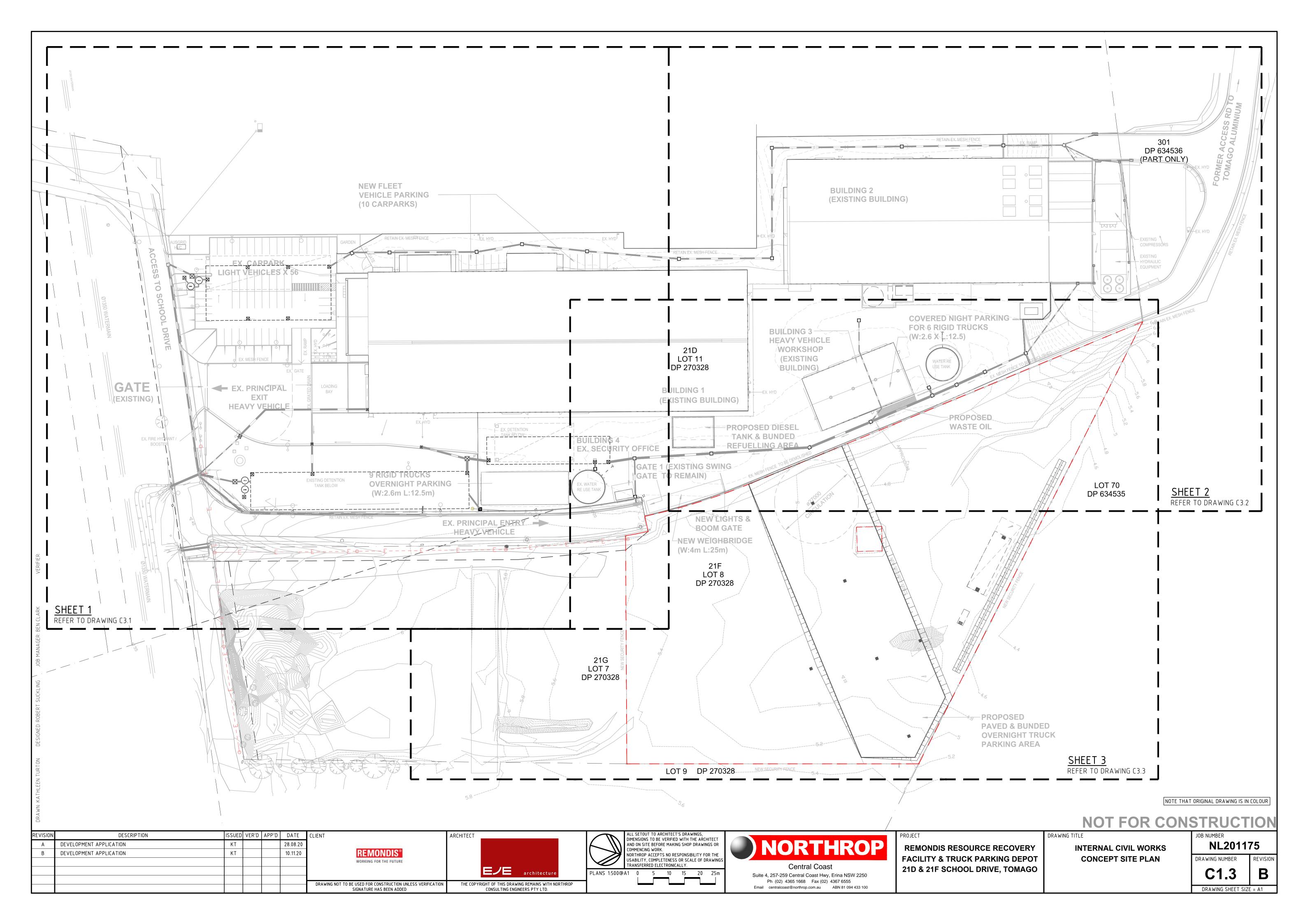
Suite 4, 257-259 Central Coast Hwy, Erina NSW 2250 Ph (02) 4365 1668 Fax (02) 4367 6555

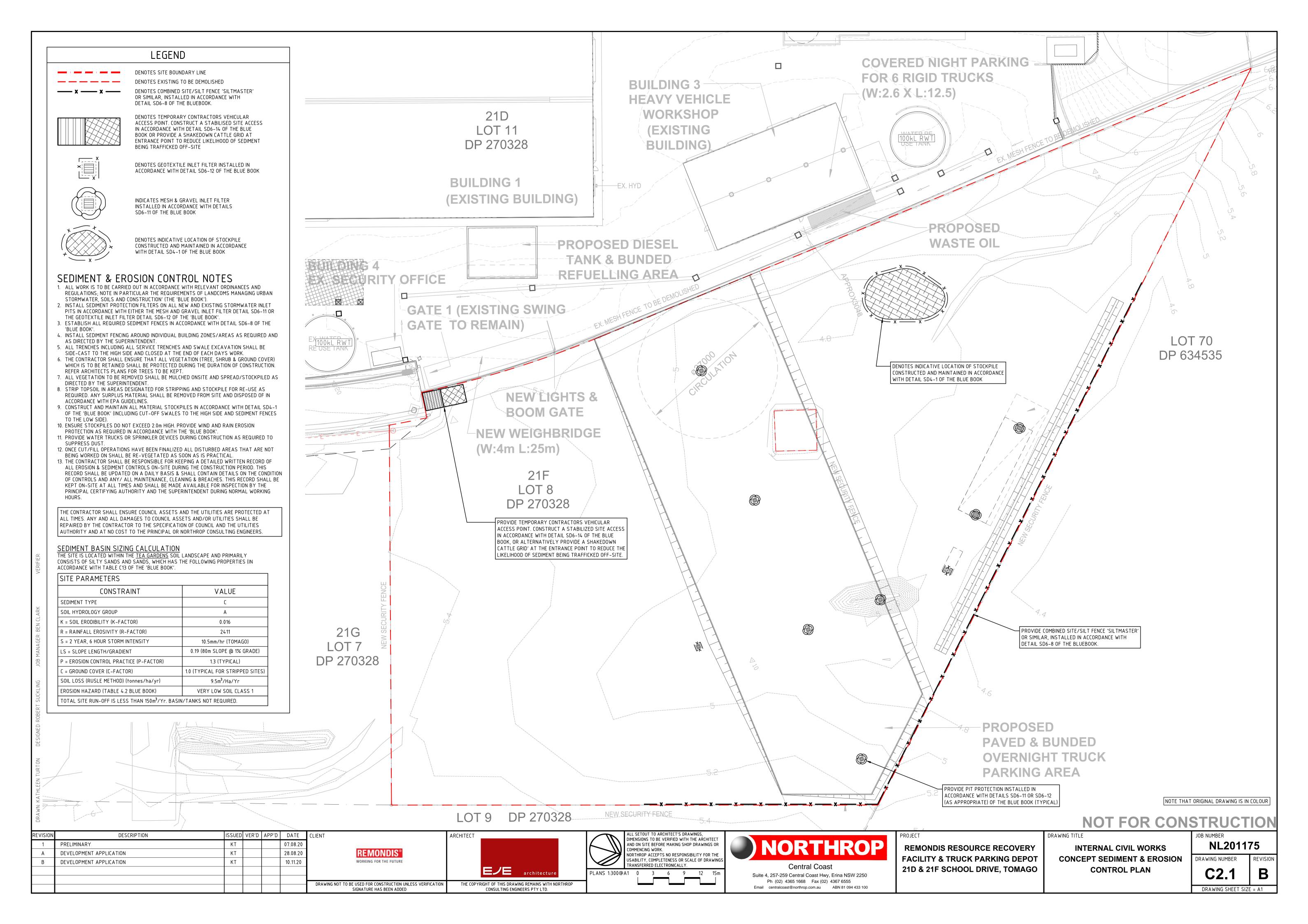
Email centralcoast@northrop.com.au ABN 81 094 433 100

REMONDIS RESOURCE RECOVERY **FACILITY & TRUCK PARKING DEPOT** 21D & 21F SCHOOL DRIVE, TOMAGO DRAWING TITLE INTERNAL CIVIL WORKS

NL201175 **COVER SHEET** DRAWING NUMBER

DRAWING SHEET SIZE = A1

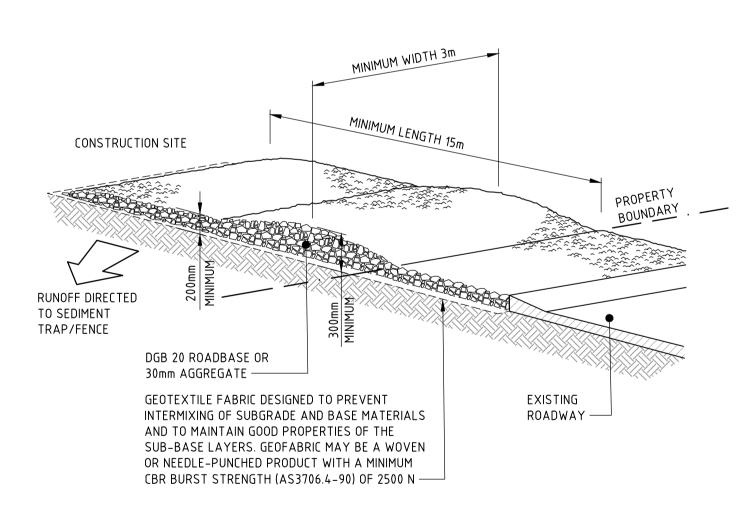




#### CONSTRUCTION NOTES

- CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
- 2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
- 3. DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
- 4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
- 5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
- 6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

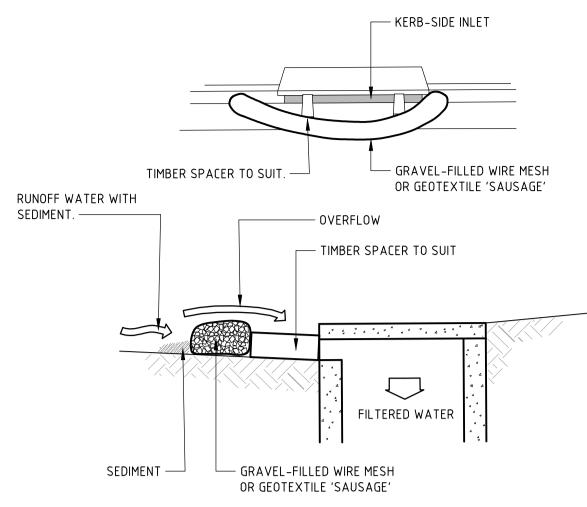
#### SEDIMENT FENCE (SD 6-8)



## CONSTRUCTION NOTES

- 1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
- 2. COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
- 3. CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
- 4. ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES
- WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.

## STABILISED SITE ACCESS (SD 6-14)

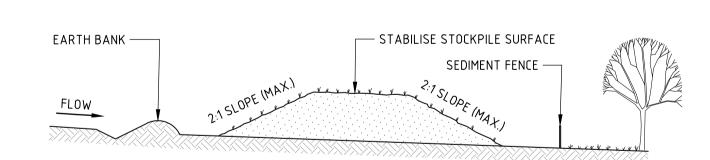


NOTE: THIS PRACTICE ONLY TO BE USED WHERE SPECIFIED IN APPROVED SWMP/ESCP.

#### CONSTRUCTION NOTES

- 1. INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS.
- 2. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
- 3. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
- 4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET.
- MAINTAIN THE OPENING WITH SPACER BLOCKS. 5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
- 6. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

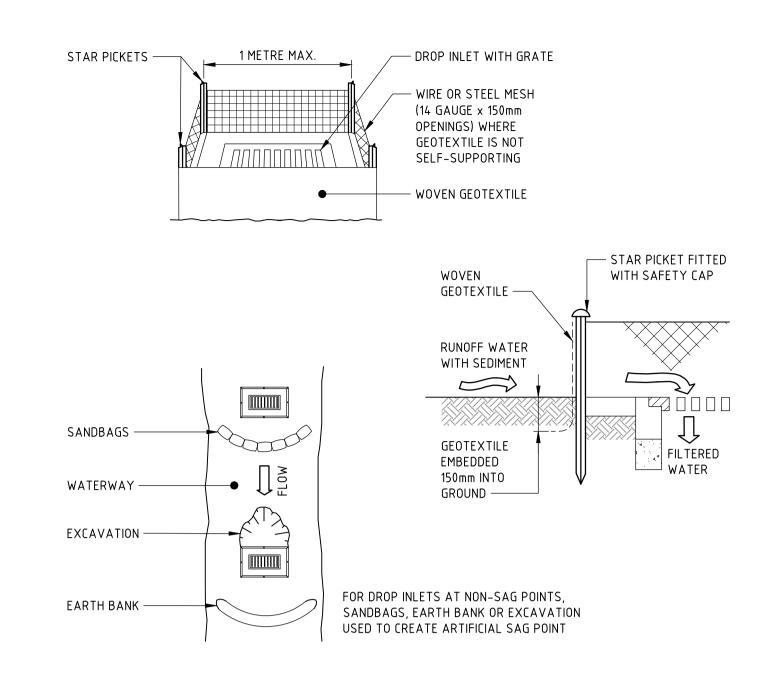
### MESH AND GRAVEL INLET FILTER (SD 6-11)



#### CONSTRUCTION NOTES

- 1. PLACE STOCKPILES MORE THAN 2m (PREFERABLY 5m) FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
- 2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
- 3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
- 4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
- 5. CONSTRUCT EARTH BANKS (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2m DOWNSLOPE.

#### STOCKPILES (SD 4-1)



#### CONSTRUCTION NOTES

- 1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
- 2. FOLLOW STANDARD DRAWING 6-7 AND STANDARD DRAWING 6-8 FOR INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOFABRIC. REDUCE THE PICKET SPACING TO 1 METRE CENTRES.
- 3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
- 4. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

GEOTEXTILE INLET FILTER (SD 6-12)

## NOT FOR CONSTRUCTION

**REMONDIS RESOURCE RECOVERY FACILITY & TRUCK PARKING DEPOT** 

DRAWING TITLE INTERNAL CIVIL WORKS **CONCEPT SEDIMENT & EROSION** 

NL201175 DRAWING NUMBER

DESCRIPTION ISSUED VER'D APP'D DATE LIENT

PRELIMINARY 07.08.20 DEVELOPMENT APPLICATION 28.08.20 DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

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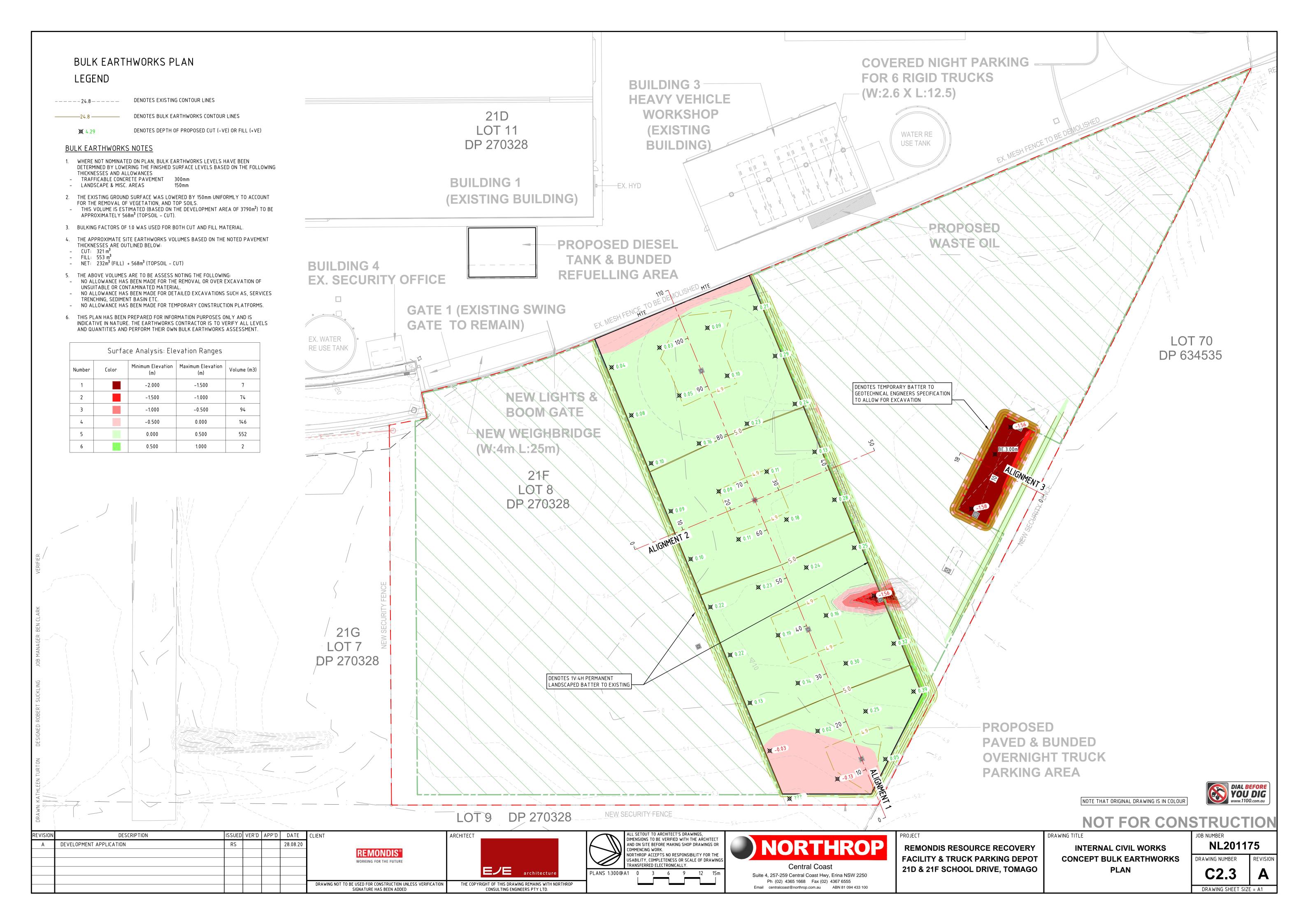


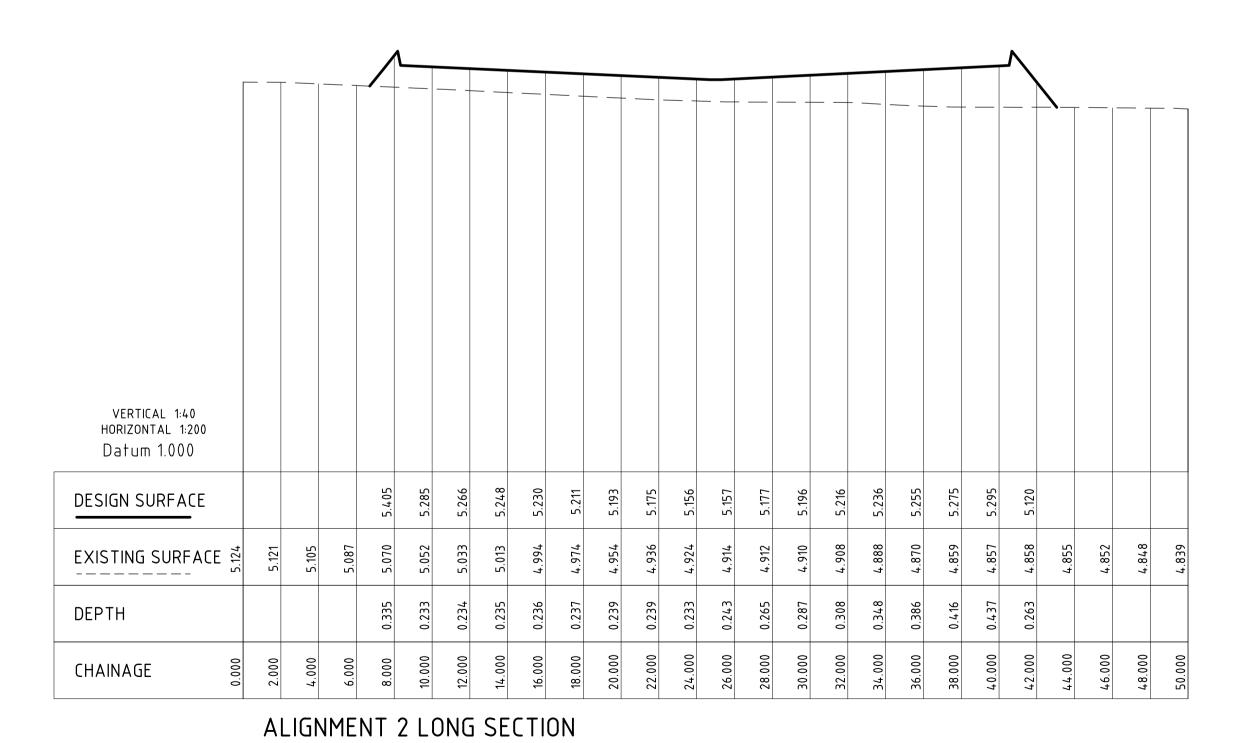
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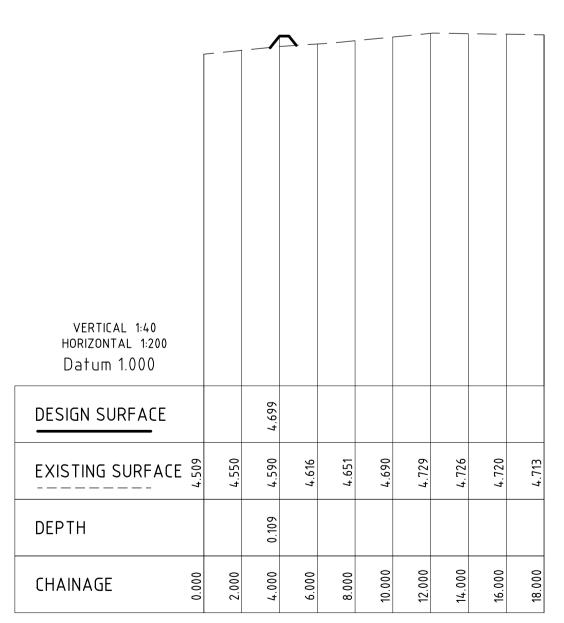
**Central Coast** Suite 4, 257-259 Central Coast Hwy, Erina NSW 2250 Ph (02) 4365 1668 Fax (02) 4367 6555 Email centralcoast@northrop.com.au ABN 81 094 433 100

21D & 21F SCHOOL DRIVE, TOMAGO **CONTROL DETAILS** 

DRAWING SHEET SIZE = A1







ALIGNMENT 3 LONG SECTION

NOTE THAT ORIGINAL DRAWING IS IN COLOUR



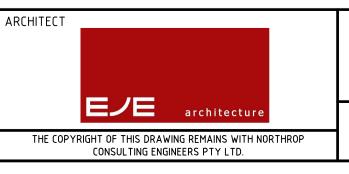
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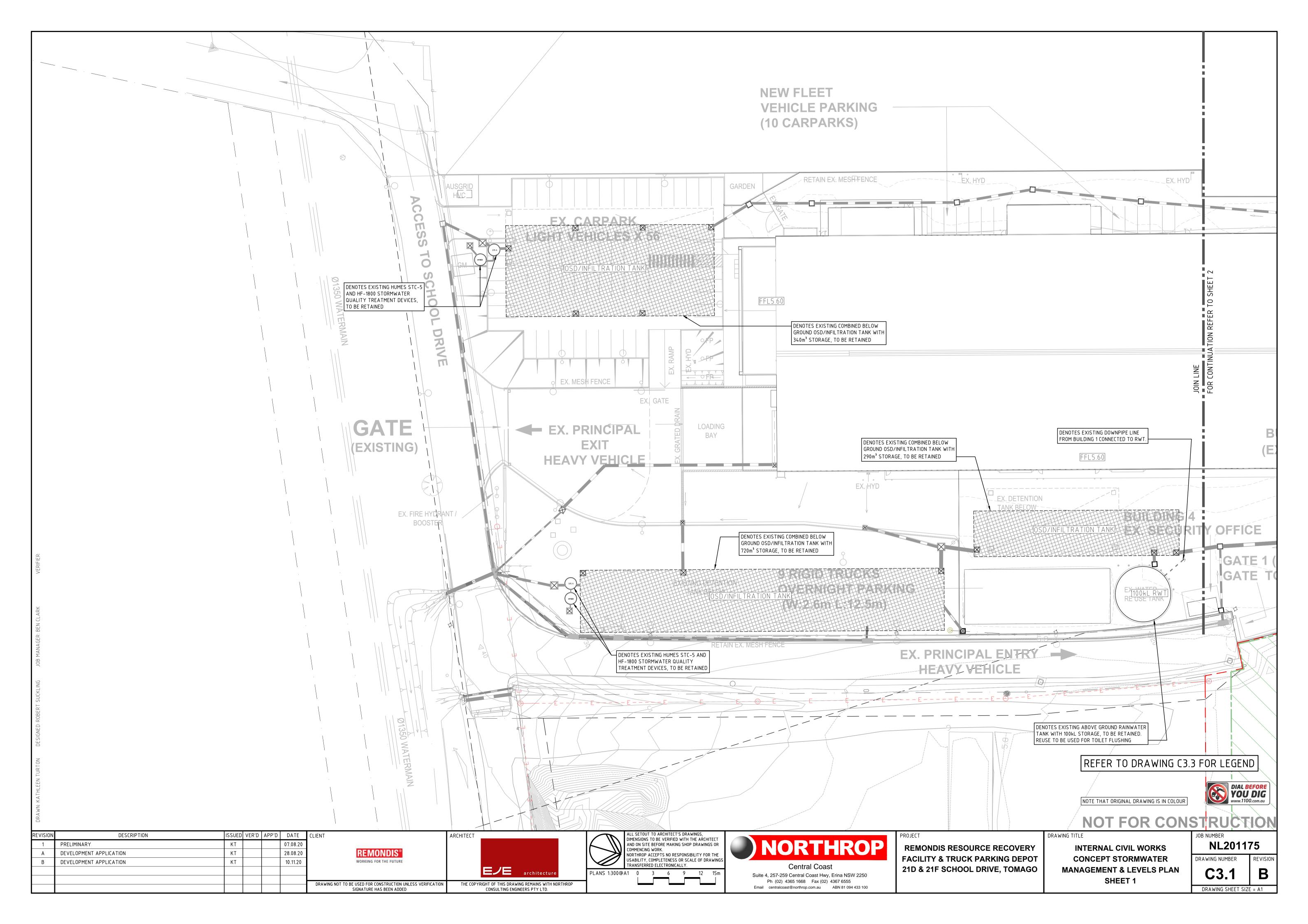
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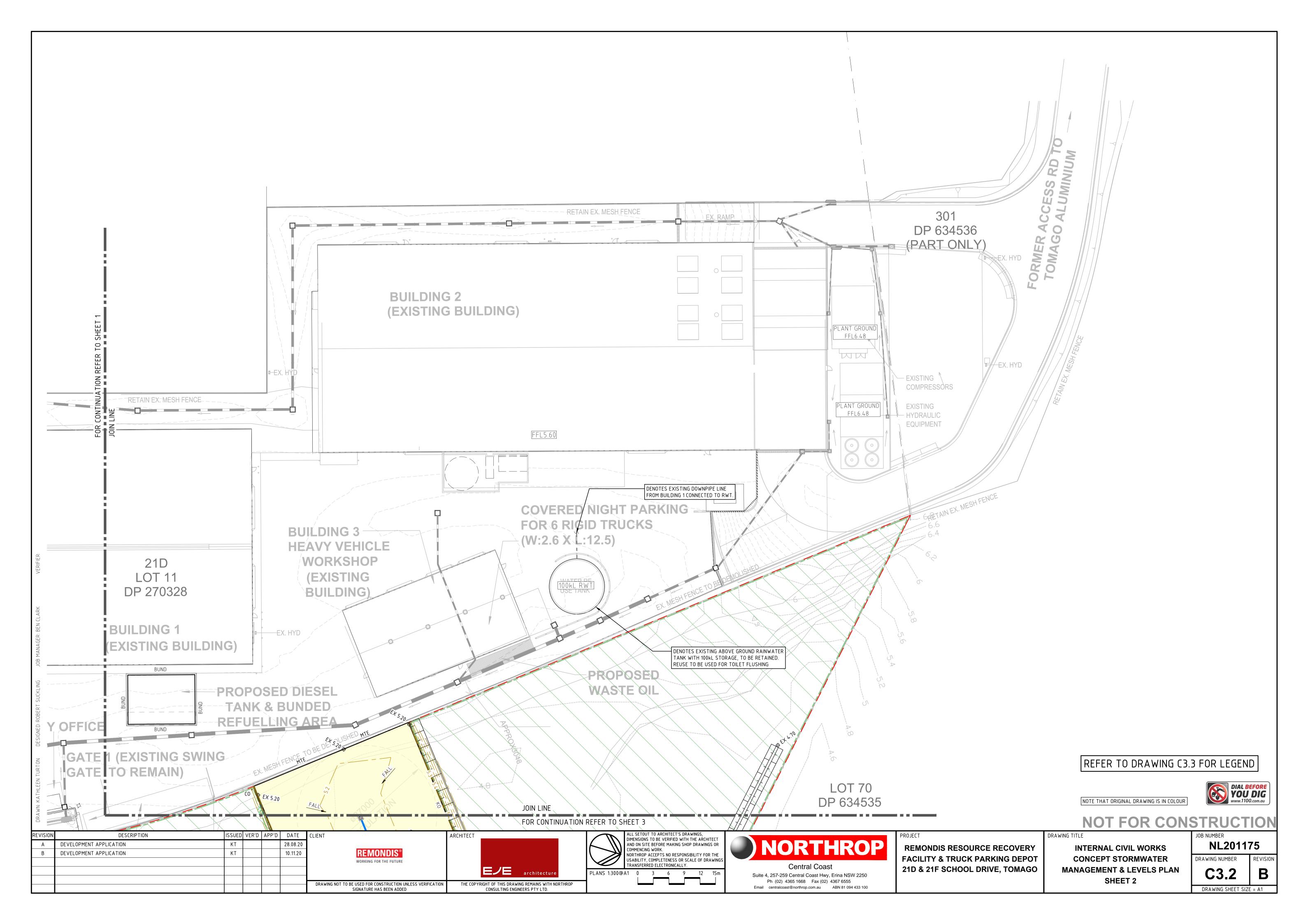
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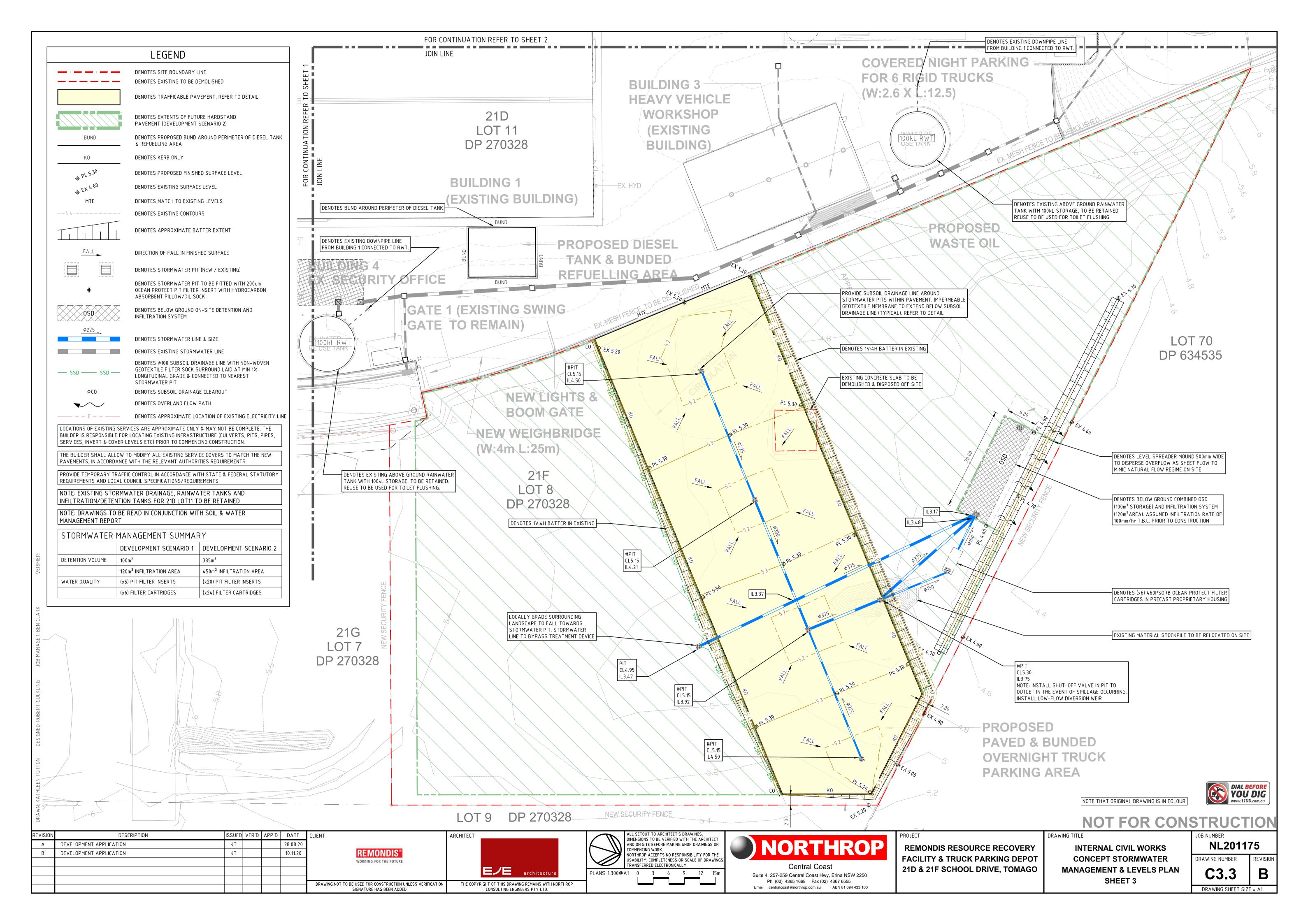
INTERNAL CIVIL WORKS
CONCEPT LONG SECTIONS

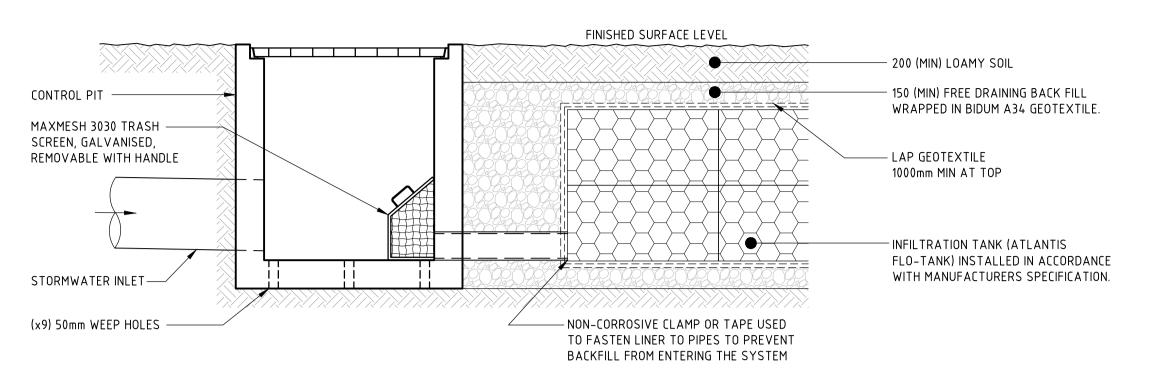


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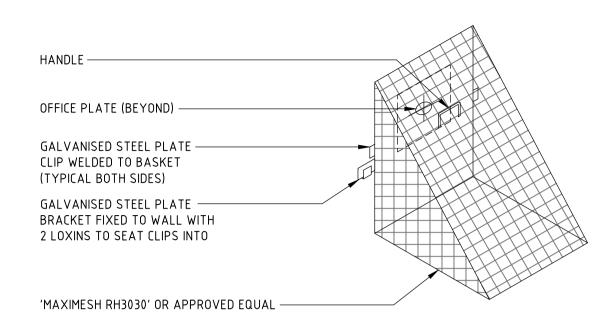




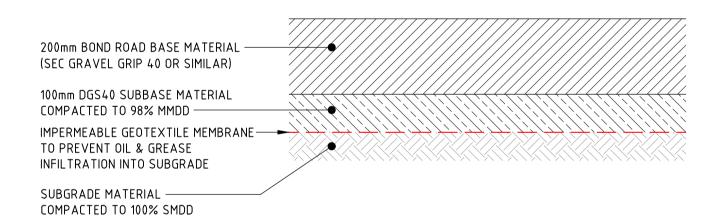


#### TYPICAL SECTION OSD / INFILTRATION SYSTEM

NOTE: ASSUMED INFILTRATION RATE OF 100mm PER HOUR. INFILTRATION RATE TO BE CONFIRMED ONSITE VIA A DOUBLE RING INFILTROMETER TEST METHOD (ASTM D3385-18). CONTACT NORTHROP ONCE TEST RESULTS ARE AVAILABLE AS THIS MAY IMPACT THE SIZE OF THE INFILTRATION SYSTEM.

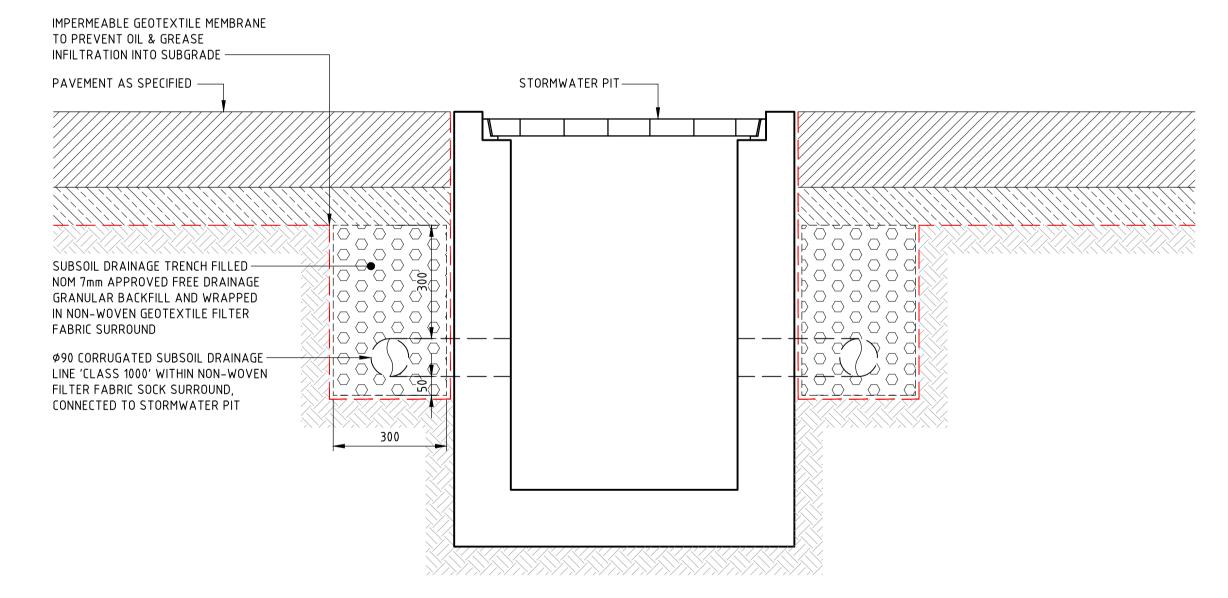


TRASH SCREEN DETAIL



#### INDICATIVE TRAFFICABLE PAVEMENT DETAIL

NOTE: PAVEMENT DESIGN TO BE CONFIRMED BY SUITABLY QUALIFIED GEOTECHNICAL ENGINEER FOLLOWING DETAILED GEOTECHNICAL INVESTIGATION DURING DETAILED DESIGN



PAVEMENT SUBSOIL DETAIL AT STORMWATER PITS

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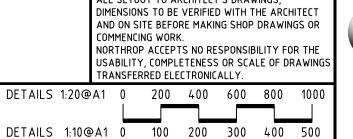
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Α	DEVELOPMENT APPLICATION	KT			28.08.20	
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REMONDIS RESOURCE RECOVERY FACILITY & TRUCK PARKING DEPOT 21D & 21F SCHOOL DRIVE, TOMAGO INTERNAL CIVIL WORKS
CONCEPT CIVIL DETAILS
SHEET 1

JOB NUMBER
NL201175

DRAWING NUMBER REVISION

C5.1 A

DRAWING SHEET SIZE = A1

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