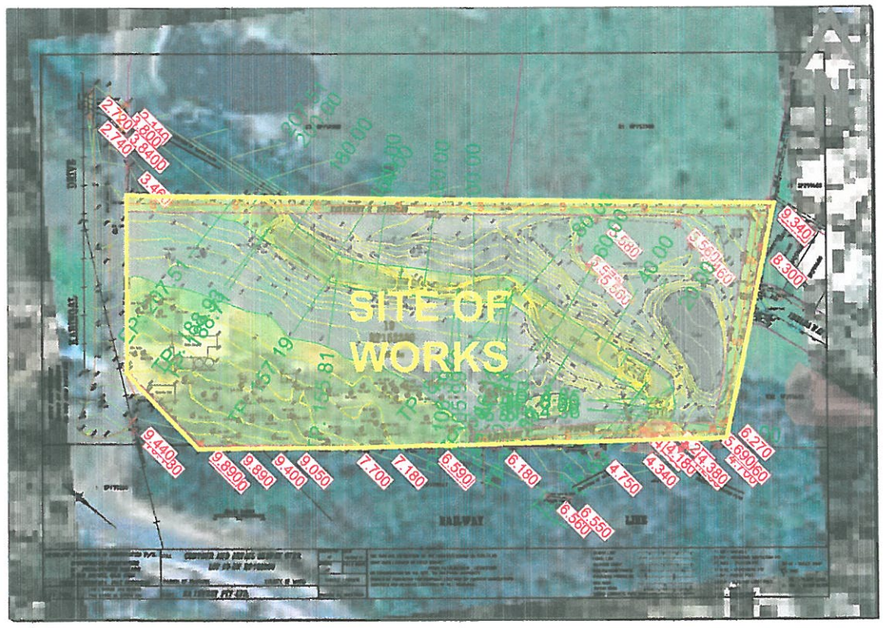
R. SUGARS

LOT 19 RP152380
2 KARINGAL DRV
PIMPAMA

DRAWING SCHEDULE					
DRG No	DRAWING TITLE	REV	NOTE	SHEET No	DATE
C00	COVER SHEET	A	PRELIMINARY	-	11/07/2019
N01	NOTES DETAILS	A	PRELIMINARY	1	11/07/2019
C01	EXISTING CONTOURS	A	PRELIMINARY	-	11/07/2019
C02	PROPOSED EARTHWORKS	A	PRELIMINARY	-	11/07/2019
C03	PROPOSED SWALE DRAIN LONG SECTION	A	PRELIMINARY	-	11/07/2019
C04	OPEN SWALE - CROSS SECTION	A	PRELIMINARY	1	11/07/2019
C05	OPEN SWALE - CROSS SECTION	A	PRELIMINARY	2	11/07/2019
C06	OPEN SWALE - CROSS SECTION	A	PRELIMINARY	3	11/07/2019
C07	OPEN SWALE - CROSS SECTION	A	PRELIMINARY	4	11/07/2019



LOCALITY PLAN

N.T.S.

LEGEND - EXISTING

PRINCIPAL RP BOUNDARY
ABUTTING BOUNDARY
EASEMENT BOUNDARY

CONTOUR

TREE
TREE - TO BE PROTECTED

ROAD SIGN

STORMWATER LINE
STORMWATER SWALE / TABLE DRAIN
STORMWATER PIT
STORMWATER FIELD INLET
STORMWATER MANHOLE
STORMWATER HEADWALL

SEWER LINE
SEWER MAINTENANCE HOLE

WATER LINE
VALVE
HYDRANT

TELECOmmUNICATION LINE
FIBRE OPTIC LINE
TELECOmmUNICATION PIT
TELECOmmUNICATION PLINTH

ELECTRICITY LINE OVERHEAD
ELECTRICITY LINE UNDERGROUND
ELECTRICITY POLE
STREET LIGHT

GAS LINE
GAS VALVE

LEGEND - EXISTING

BANK / BATTER
ROCK WALL
BLOCK WALL
TIMBER WALL
FENCE
EDGE OF SEAL / BITUMEN
EDGE OF GRAVEL

BUILDING
BUILDING OVER

BUILDING
BUILDING (TO BE REMOVED)
SEAL / BITUMEN
SEAL / BITUMEN (TO BE REMOVED)
CONCRETE
CONCRETE (TO BE REMOVED)
PAVERS
LANDSCAPE / PERMEABLE
VEGETATED / GARDEN AREA

LEGEND - PROPOSED

RP BOUNDARY
EASEMENT BOUNDARY

CONTOUR
LIMIT OF WORKS

TREE

ROAD SIGN

STORMWATER LINE
STORMWATER SWALE / TABLE DRAIN
BUILDING HYDRAULICS (INDIC. ONLY)
STORMWATER HOUSE CONNECTION
STORMWATER PIT
STORMWATER FIELD INLET
STORMWATER MANHOLE
STORMWATER HEADWALL

SEWER LINE
SEWER RISING MAIN
SEWER HOUSE CONNECTION
SEWER MAINTENANCE HOLE

WATER LINE
VALVE
HYDRANT

TELECOmmUNICATION LINE
FIBRE OPTIC LINE
TELECOmmUNICATION PIT
TELECOmmUNICATION PLINTH

ELECTRICITY LINE OVERHEAD
ELECTRICITY LINE UNDERGROUND
ELECTRICITY POLE
STREET LIGHT

GAS LINE
GAS VALVE

LEGEND - PROPOSED

BANK / BATTER
ROCK WALL
BLOCK WALL
TIMBER WALL
FENCE
EDGE OF SEAL / BITUMEN
EDGE OF GRAVEL

BUILDING
BUILDING OVER

BUILDING
SEAL / BITUMEN
CONCRETE
PAVERS
LANDSCAPE / PERMEABLE
VEGETATED / GARDEN AREA

SJ — SAWN JOINT

DCJ — DOWEL CRADLE JOINT

EDJ — EXPANSION DOWEL JOINT

R — 2N12 - 1000 L TIES TO U/S FABRIC

Registered Professional Engineer 699704
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RPEQ No 8138
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RBP (Vic) EC37110
Signature ..... Date 15/07/19
Registered on the National Professional Engineers Register in the area of practice of **Civil / Structural**

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REFERENCE DRAWINGS

DRAWING REVISIONS

REV	BY	DATE	REVISION DESCRIPTION	CKD APP

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CLIENT	R. SUGARS
	2 KARINGAL DRIVE PIMPAMA WORKS APPLICATION
DRAWN SFE	DATE 12.08.19
DESIGNED SFE	DATE
CHECKED SCE	DATE
APPROVED SFE REG No 8138	DATE
DRAWING TITLE	DWG TITLE1 DWG TITLE 2 DWG TITLE 3 DWG TITLE 4
DRAWING STATUS	PRELIMINARY
DRAWING NUMBER	TEGCE19015 C00
A1	SCALES NTS
REV	A

GENERAL NOTES

G1. THESE DRAWINGS AND NOTES ARE TO BE READ IN CONJUNCTION WITH ELECTRICAL, MECHANICAL AND OTHER WORKING DRAWINGS, SPECIFICATIONS, AND WITH SUCH FURTHER DETAILS, AND INSTRUCTIONS WHICH MAY BE ISSUED. REFER ALL DISCREPANCIES TO THE PRINCIPAL BEFORE PROCEEDING WITH WORK.
G2. CONSTRUCTION OF ALL STRUCTURAL AND CIVIL WORK SHALL COMPLY WITH CURRENT EDITIONS OF RELEVANT SAA CODES.
G3. DIMENSIONS SHALL BE VERIFIED BEFORE COMMENCING CONSTRUCTION. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.
G4. THROUGHOUT CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVER STRESSED.

EARTHWORKS NOTES

E1. THE EARTHWORKS DRAWINGS AND THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE EARTHWORKS SPECIFICATION.
E2. PRIOR TO COMMENCEMENT OF WORKS THE CONTRACTOR IS TO IDENTIFY AND BE SATISFIED WITH THE CORRECT LOCATIONS OF ALL EXISTING SERVICES WHETHER INDICATED OR NOT ON THE PLANS. ANY DAMAGE TO EXISTING SERVICES IS TO BE RECTIFIED AS SOON AS POSSIBLE AT THE CONTRACTOR'S EXPENSE.
E3. REFER TO STRUCTURAL DRAWINGS FOR DETAILED EXCAVATIONS.
E4. REFER TO ARCHITECTURAL, LANDSCAPE AND HYDRAULIC DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL WORKS AND REQUIREMENTS.
E5. FILL MATERIAL SHALL BE EITHER IMPORTED SELECT MATERIAL OR EXISTING EXCAVATED SOILS (IF APPROVED BY THE GEOTECHNICAL ENGINEER & FREE OF ORGANIC MATERIAL). IMPORTED FILL SHALL BE LOW PLASTICITY, GRANULAR FILL WITH THE FOLLOWING CHARACTERISTICS:
- CBR >15%
- PLASTICITY INDEX <15%
- % PASSING 0.075 SIEVE <25%

E6. FILL MATERIAL SHALL BE COMPACTED IN MAXIMUM 150MM THICK LAYERS TO 98% STANDARD DRY DENSITY RATIO IN ACCORDANCE WITH AS1298 UNLESS NOTED OTHERWISE.
E7. COMPACTED FILL SHALL BE MAINTAINED AT A MOISTURE CONTENT WITHIN THE RANGE ± 2% OF STANDARD OPTIMUM MOISTURE CONTENT.
E8. ALL EXCAVATED BATTERS AND FILLS ARE TO BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
E9. BACKFILLING OF DAMS ARE TO BE MACHINE COMPACTED ONLY. THESE AREAS WILL BE NOTED AS UNCONTROLLED FILL ON THE PLANS. FUTURE DEVELOPMENT TO UNDERTAKE THEIR OWN GEOTECHNICAL ASSESSMENT ON THESE AREAS TO ACCOUNT FOR THE UNCONTROLLED FILL AREAS.

SITE MANAGEMENT

SM1. SITE CLASSIFICATION: CLASS (UNKNOWN) TO AS2870
SM2. GARDENS SHOULD NOT BE LOCATED WITHIN 2.0M OF BUILDINGS.
SM3. TREES SHOULD NOT BE LOCATED WITHIN A DISTANCE EQUAL TO 1.0 TIMES THEIR MATURE HEIGHT FROM BUILDINGS.
SM4. SERVICE TRENCHES MUST BE KEPT AT LEAST 1.5M CLEAR FROM BUILDINGS, REFER TO ADDITIONAL DRAWING NOTES.
SM5. REPAIR ALL LEAKS IN DRAINAGE PIPES AS SOON AS THEY ARE DISCOVERED.
SM6. REFER TO CSIRO PAMPHLET BTF 18 "FOUNDATION MAINTENANCE AND FOOTING PERFORMANCE: A HOMEOWNERS GUIDE" AND FOLLOW RECOMMENDATIONS THEREIN.

DEMOLITION AND CLEARING NOTES

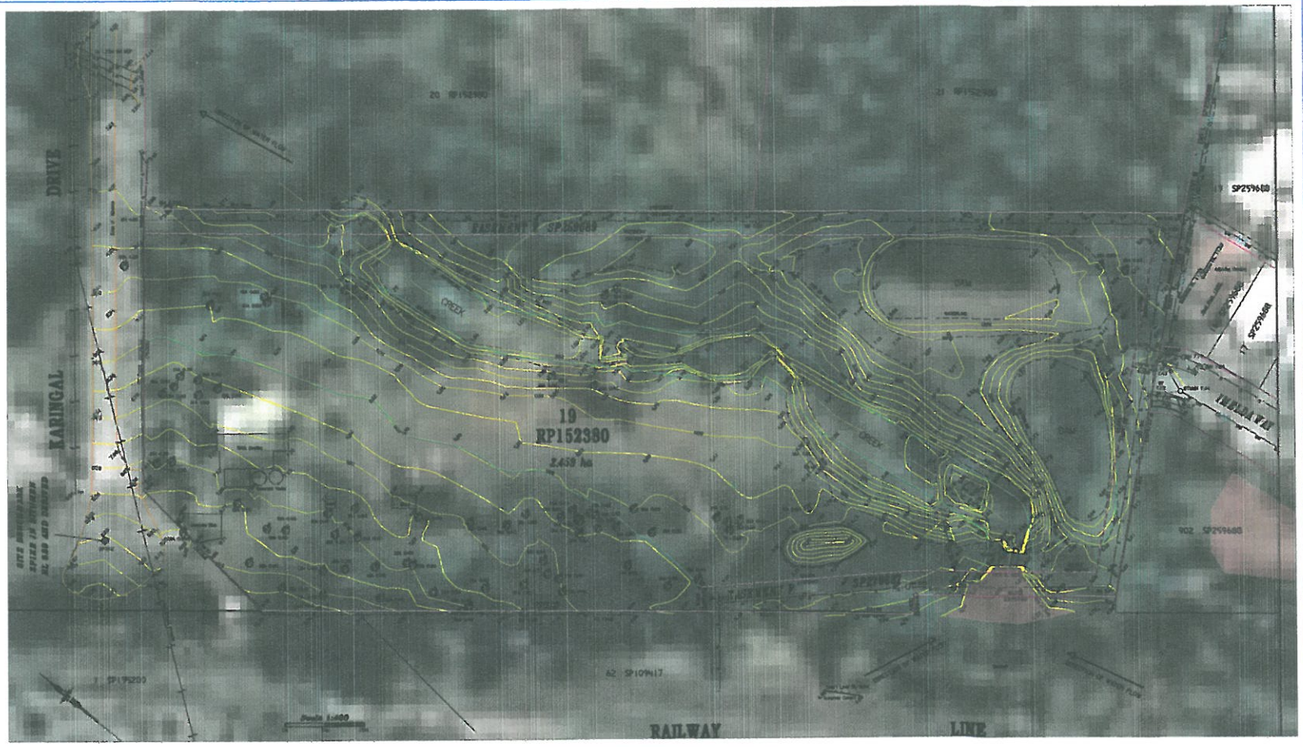
CL1. PRIOR TO CLEARING AND DEMOLITION OPERATIONS REMOVE WITHOUT DAMAGE ALL EXISTING INFRASTRUCTURE TO BE RE-USED OR STORED AS DIRECTED BY THE SITE SUPERINTENDENT.
CL2. CLEARING AND DEMOLITION SHALL BE CARRIED OUT ONLY WITHIN THOSE AREAS AFFECTED BY THE PROPOSED WORKS UNLESS NOTED OTHERWISE.
CL3. DEMOLISH EXISTING REDUNDANT INFRASTRUCTURE SUCH AS KERBS, PAVEMENT SEALS, CONCRETE FOOTPATHS, ABANDONED SERVICES ETC. TO A DEPTH OF 500MM BELOW PROPOSED PAVEMENT SUBGRADE LEVEL AND 300MM BELOW FINISHED LEVEL IN ALL OTHER AREAS AND REFILL AS NOTED BELOW. DISPOSE OF SUCH MATERIAL OFF SITE.
CL4. CLEAR RUBBISH, SCRUB, TREES, STUMPS ETC. AND GRUB OUT STUMPS AND ROOTS OVER 50MM DIAMETER TO A DEPTH OF 500MM BELOW PROPOSED PAVEMENT SUBGRADE LEVEL AND 300MM BELOW FINISHED LEVEL IN ALL OTHER AREAS AND REFILL AS NOTED BELOW.
CL5. REFILL DEMOLITION EXCAVATIONS AND GRUB HOLES WITH ON SITE MATERIAL WON FROM CUT AREAS SUITABLE FOR USE AS FILL MATERIAL. PLACE AND COMPACT FILL IN ACCORDANCE WITH EARTHWORKS NOTES.

TEMPLATE DRAWING NOTE

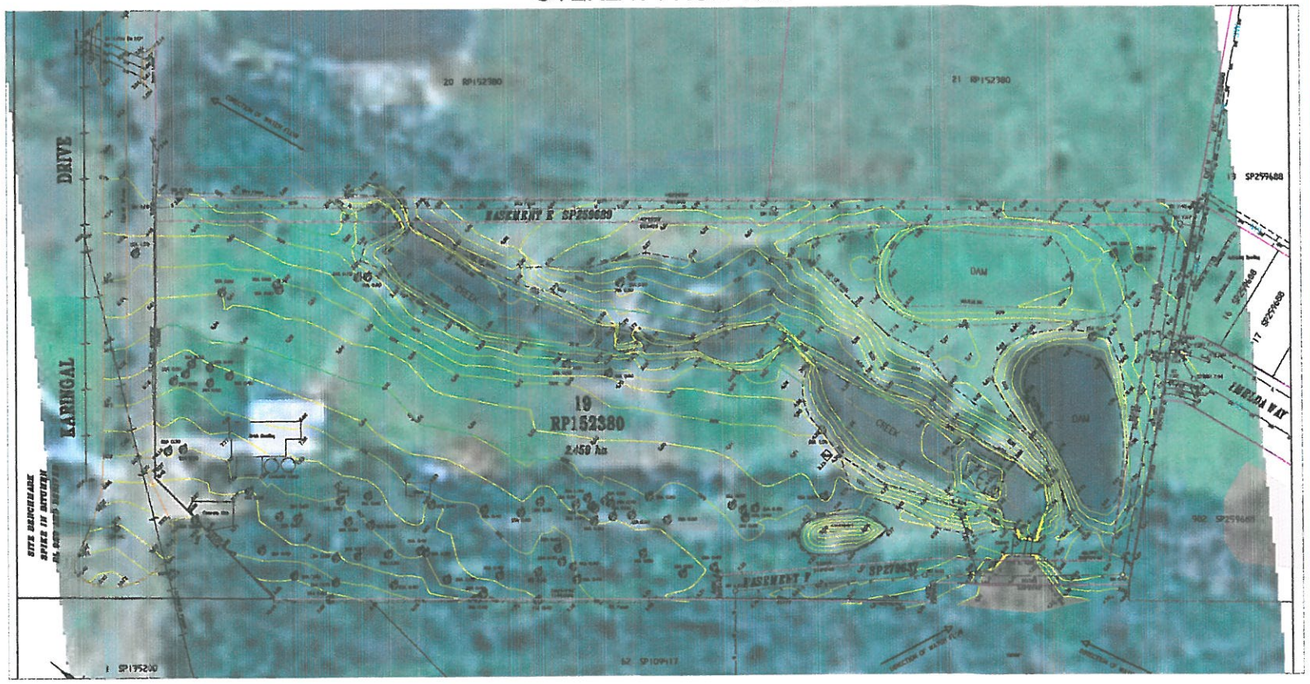
THIS DRAWING SHALL BE REVIEWED AND REVISED FOR EACH PROJECT TO PROVIDE THE DETAILS RELEVANT TO THE PROJECT. ALL REVISION HISTORY RELATED TO THE TEMPLATE SHALL BE REMOVED AND REPLACED WITH DRAWING CHECKS, DESIGN CHECKS AND ENGINEERING APPROVALS PREFORMED UNDER THE PROJECT.

PROJECT NOTES

IT IS CLEARLY NOTED FROM PAST HISTORY OVERHEAD PHOTOGRAPHY THIS SIDE WAS FULLY CLEARED OF ALL TIMBERS BACK AS CLOSE AS 1964 AND THAT ALL TIMBERS ON SITE ARE IN FACT REGROWTH. (REFER PHOTO 1)
BASED ON THESE PHOTOGRAPHS, IT SHOULD ALSO BE NOTED THAT THE EXTENT OF THE EXCAVATIONS ON-SITE FOR THE 2 DAMS AND THE EXCAVATED AREAS WITHIN THE OPEN SWALE WATERCOURSE WERE CLEARLY INSTALLED IN THE LAST 10 TO 15 YEARS AND UTILISED FOR STORAGE OF WATER FOR THE PURPOSE OF OPERATING THE LANDSCAPING BUSINESS FROM WITHIN THE SITE BY THE PREVIOUS OWNER WHICH IS ALSO SUPPORTED BY OVERHEAD PHOTOGRAPHY OVER THE FOLLOWING YEARS.



OVERLAY FROM 1983



OVERLAY FROM 1974

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REFERENCE DRAWINGS

DRAWING REVISIONS

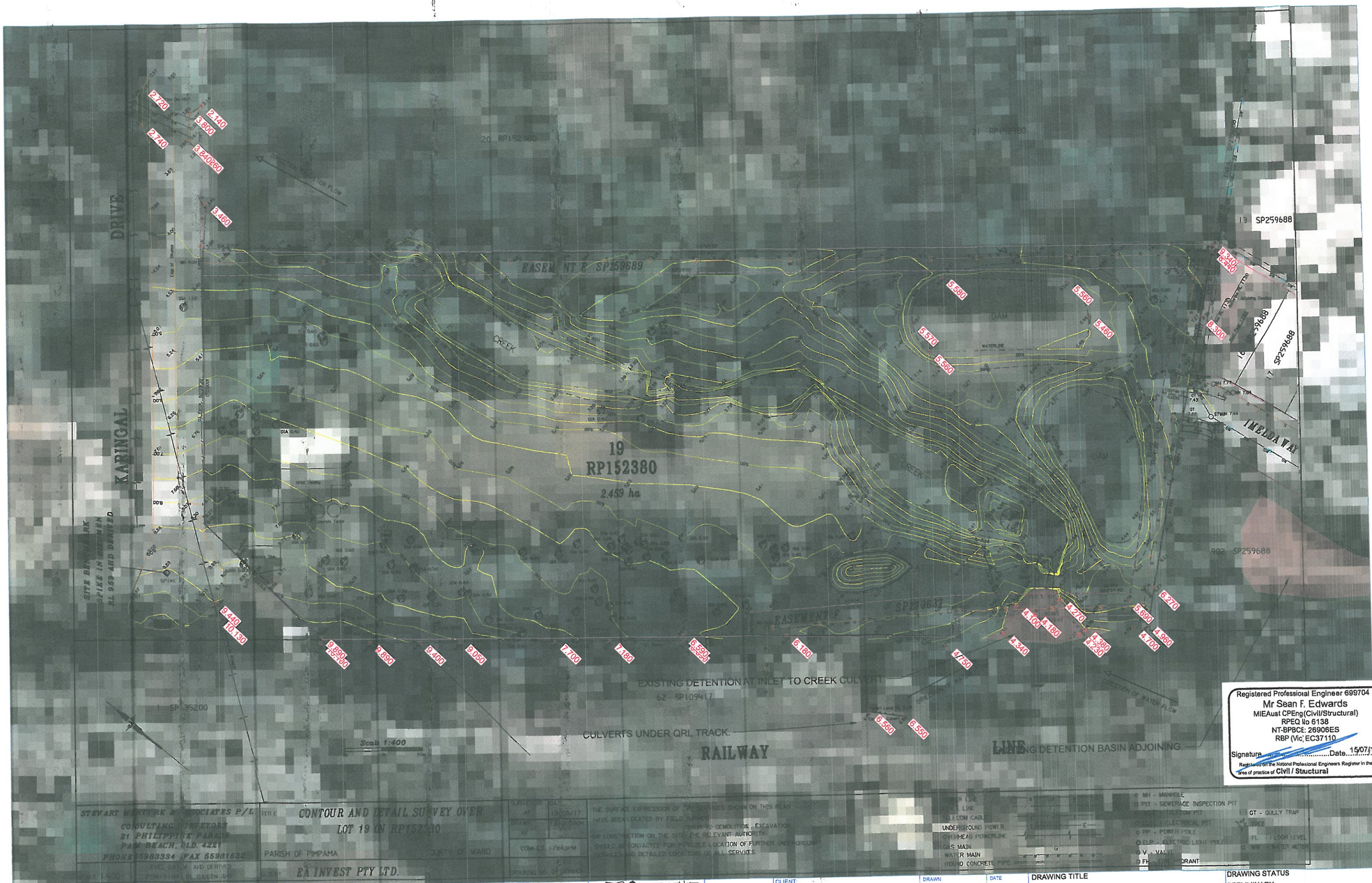
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CLIENT: R. SUGARS	DRAWN SFE	DATE 7.08.16	DRAWING TITLE: NOTES
2 KARINGAL DRIVE PIMPAMA WORKS APPLICATION	DESIGNED SFE	DATE	
	CHECKED	DATE	
	APPROVED SFE	REG No 6138 DATE	

DRAWING STATUS: PRELIMINARY		
DRAWING NUMBER: TEGCE19015 N01		
A1	SCALES: NTS	REV: A



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STEWART MCINTYRE & ASSOCIATES P/L
CONSULTING SURVEYORS
21 PHILIPPINE PARADE
PALM BEACH, QLD. 4221
PHONE 55983334 FAX 55981622

CONTOUR AND DETAIL SURVEY OVER LOT 19 ON RP152380

PARISH OF PIMPAMA — COUNTY OF WARD

EA INVEST PTY LTD.

SURVEYOR: AF — DATE: 18/05/17
DRAWN: AF — FIELD BOOK:
COMPILED: AF — DRAWING NO. OF

THE SURFACE EXPRESSION OF SERVICES SHOWN ON THIS PLAN HAVE BEEN LOCATED BY FIELD SURVEY ONLY. PRIOR TO DEMOLITION, EXCAVATION OR CONSTRUCTION ON THE SITE THE RELEVANT AUTHORITY SHOULD BE CONTACTED FOR POSSIBLE LOCATION OF FURTHER UNDERGROUND SERVICES AND DETAILED LOCATIONS OF ALL SERVICES.

UNDERGROUND POWER
OVERHEAD POWERLINE
S MAIN
WATER MAIN
ROUND CONCRETE PIPE

MH - MANHOLE
PIT - SEWERAGE INSPECTION PIT
ELECTRICAL PIT
FP - POWER POLE
ELP - ELECTRIC LIGHT POLE
V - VALVE
FH - HYDRANT
GT - GULLY TRAP
FL - FLOOR LEVEL
WM - WATER METER

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REFERENCE DRAWINGS

DRAWING REVISIONS

REV	BY	DATE	REVISION DESCRIPTION	CKD APP

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CLIENT: R. SUGARS

2 KARINGAL DRIVE PIMPAMA
WORKS APPLICATION

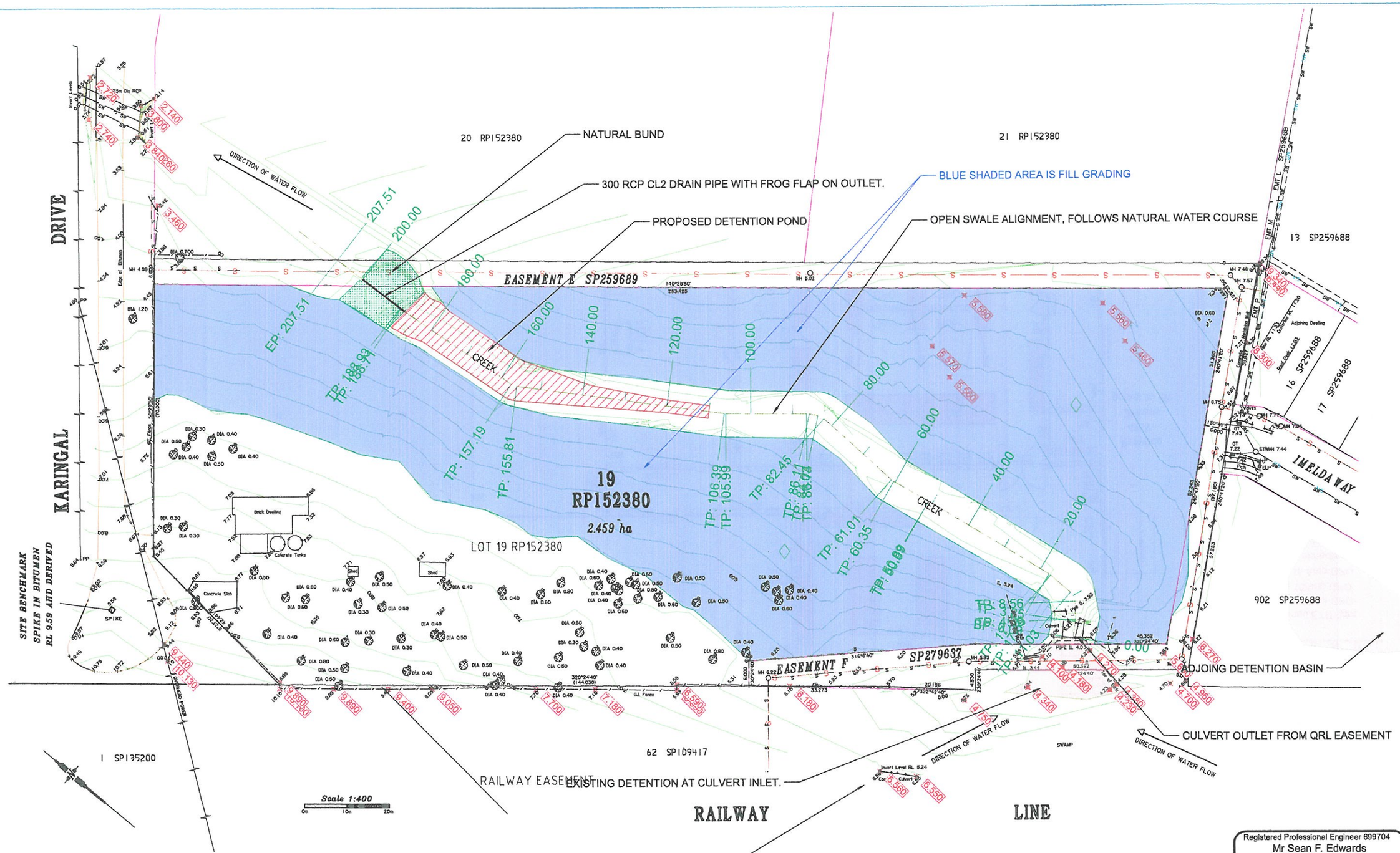
DRAWN	SFE	DATE 12.06.19
DESIGNED	SFE	DATE
CHECKED	SOE	DATE
APPROVED	SFE	REG No 6138 DATE

DRAWING TITLE
EXISTING CONTOURS

DRAWING STATUS
PRELIMINARY

DRAWING NUMBER
TEGCE19015 C01

A1	SCALES NTS	REV A



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Signature ..... Date 15/07/19
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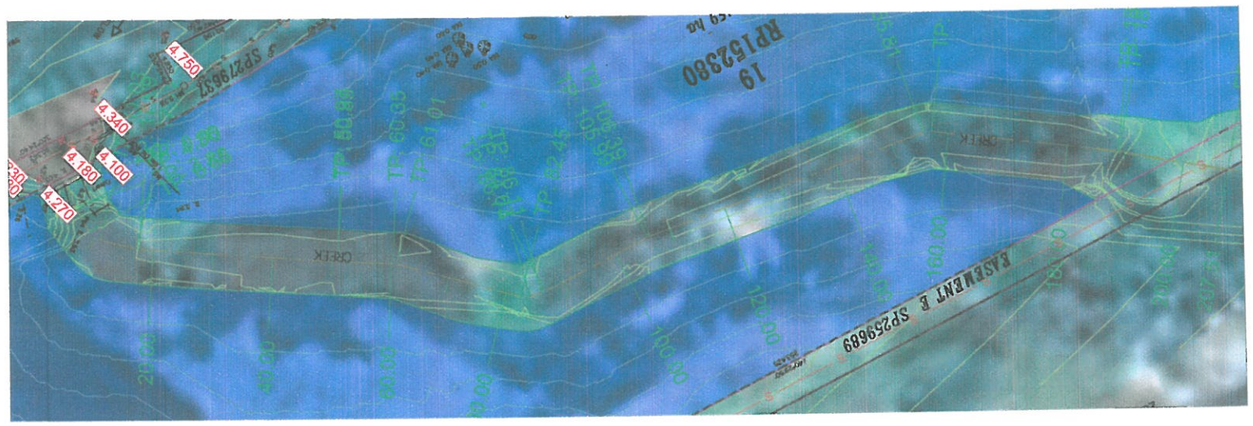
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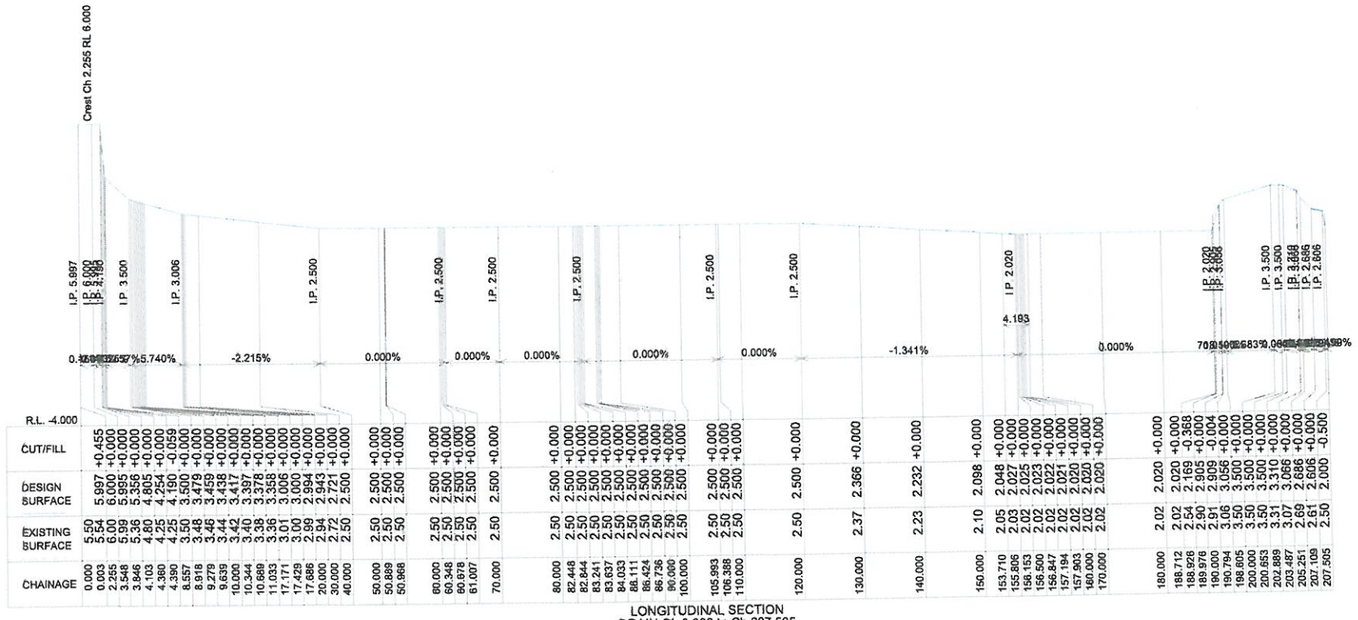
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CLIENT	R. SUGARS
	2 KARINGAL DRIVE PIMPAMA WORKS APPLICATION
DRAWN	SFE — DATE 21.06.19
DESIGNED	SFE — DATE
CHECKED	SDE — DATE
APPROVED	SFE — REG No. 6138 — DATE
DRAWING TITLE	PROPOSED EARTHWORKS
DRAWING STATUS	PRELIMINARY
DRAWING NUMBER	TEGCE19015 C02
A1	SCALES NTS — REV A





LONGITUDINAL SECTION
DRAIN Ch 0.000 to Ch 207.505
SCALES: HORIZONTAL 1:500 VERTICAL 1:100

DRAIN

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REFERENCE DRAWINGS

DRAWING REVISIONS

REV	BY	DATE	REVISION DESCRIPTION	CKD	APP

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CLIENT: R. SUGARS

2 KARUNGAL DRIVE PIMPAMA
WORKS APPLICATION

DRAWN: ajb DATE
DESIGNED: ajb DATE
CHECKED DATE
APPROVED REG No DATE

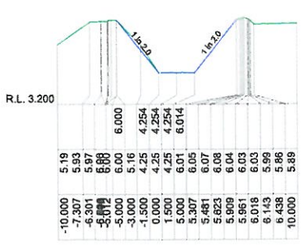
DRAWING TITLE
OPEN SWALE
(ORIGINAL CREEK ALIGNEMNT)
LONG SECTION
SHEET 1 of 1

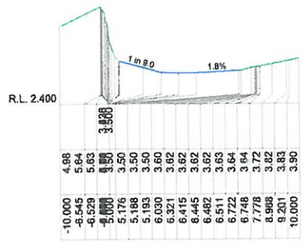
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PRELIMINARY

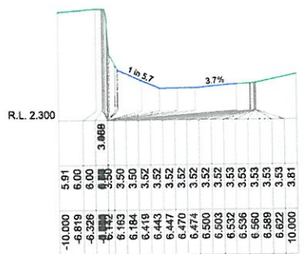
DRAWING NUMBER
TEGCE19015 C03

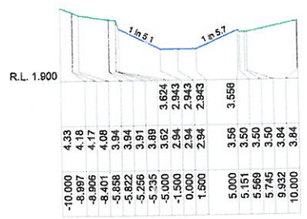
A1 | SCALES | REV A

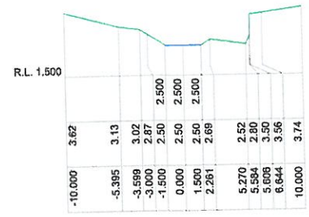
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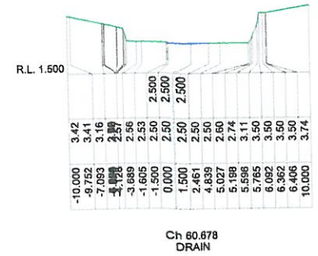


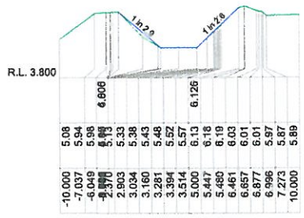


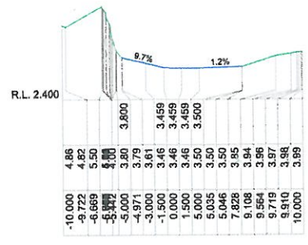


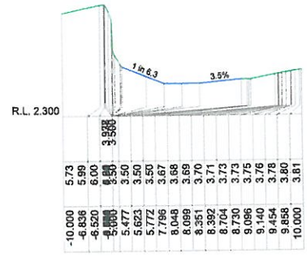


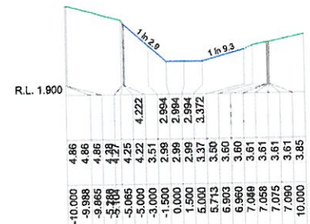


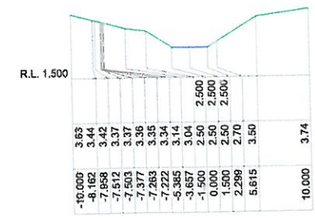


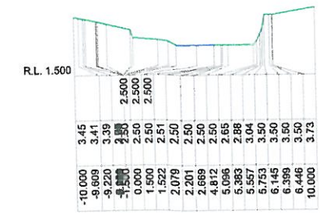


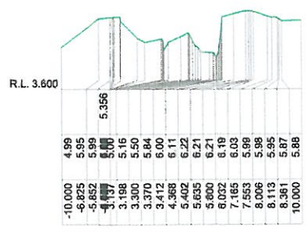


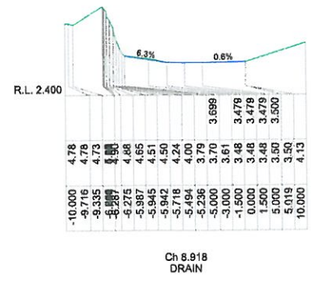


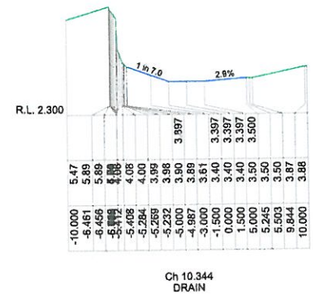


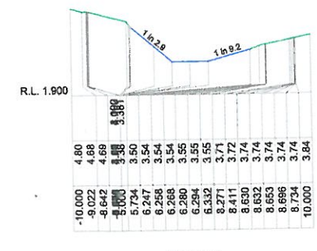


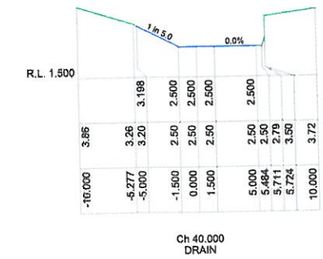


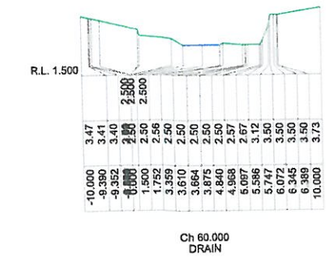


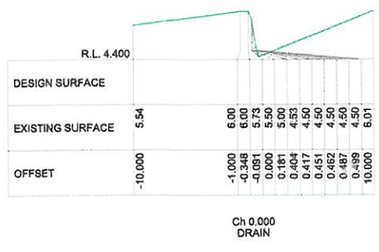


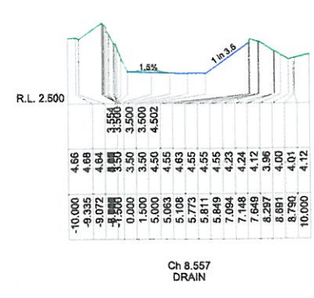


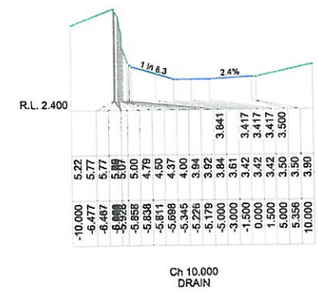


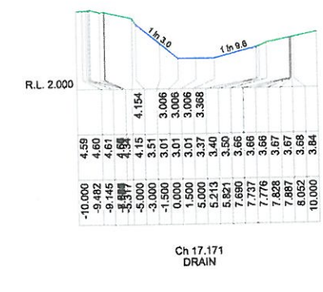


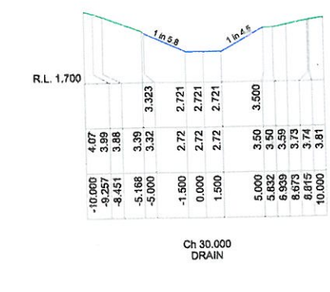


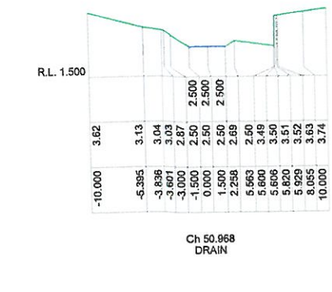












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CLIENT
R. SUGARS

2 KARINGAL DRIVE PIMPAMA
WORKS APPLICATION

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DESIGNED	n/a	DATE
CHECKED		DATE
APPROVED	REG No	DATE

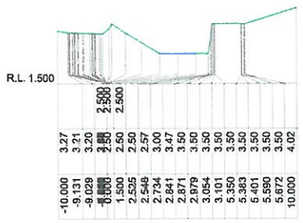
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DRAWING TITLE
OPEN SWALE
CROSS SECTION
SHEET 1 of 4

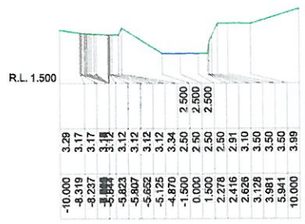
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DRAWING NUMBER
TEGCE19015 C04

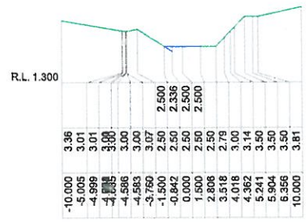
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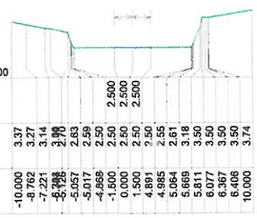
Ch 82.448
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Ch 80.000
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Ch 70.000
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Ch 61.007
DRAIN

Registered Professional Engineer 699704
Mr Sean F. Edwards
MIEAust CPEng (Civil/Structural)
RPEQ No 6138
NT-BPBCE: 26906ES
RBP (Vic) EC37110
Signature .....Date..15/07/19
Registered on the National Professional Engineers Register in the area of practice of **Civil / Structural**

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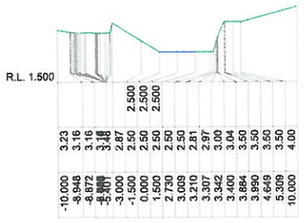
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R. SUGARS

2 KARINGAL DRIVE PIMPAMA
WORKS APPLICATION

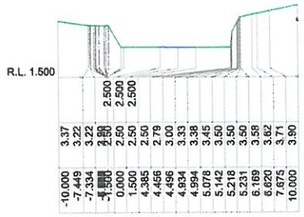
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SHEET 2 of 4

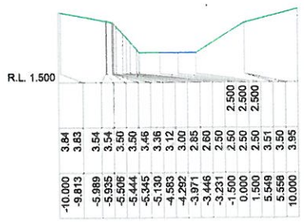
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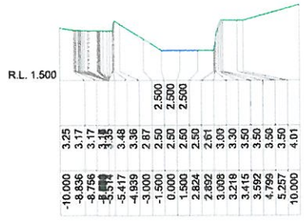
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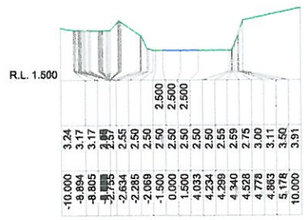
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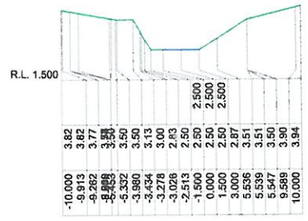
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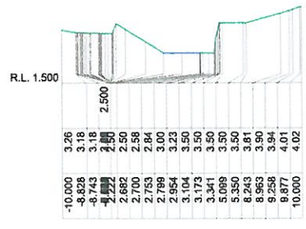
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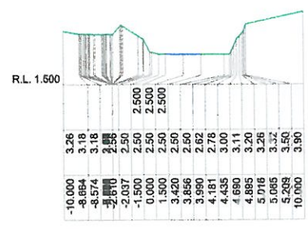
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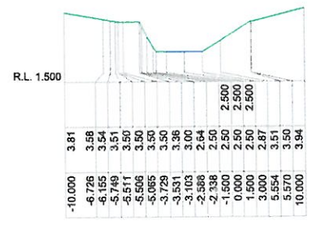
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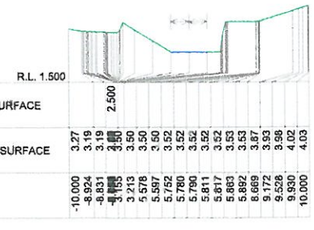
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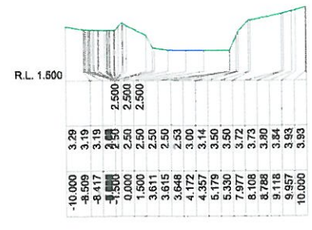
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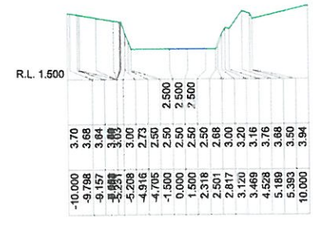
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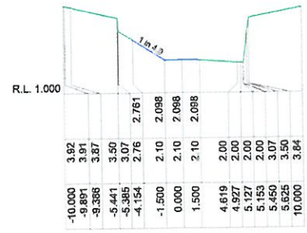
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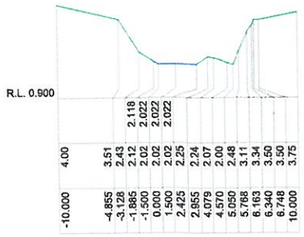
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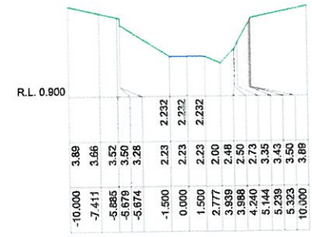
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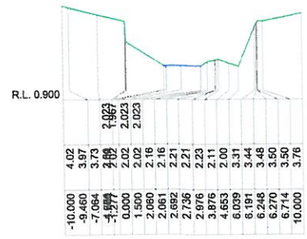
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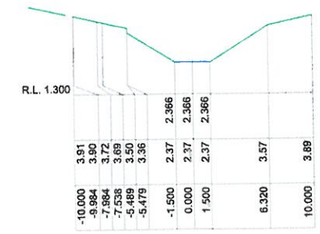
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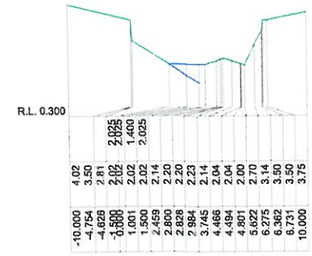
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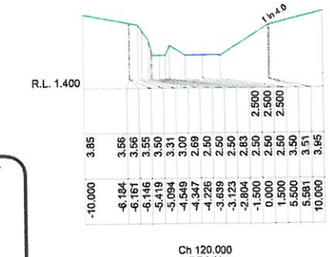
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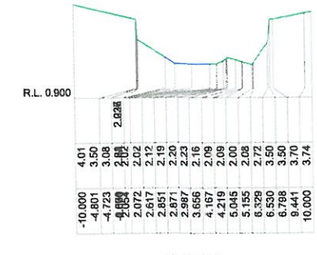
Ch 130.000
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Ch 156.153
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Ch 120.000
DRAIN



Ch 155.806
DRAIN

Registered Professional Engineer 699704
Mr Sean F. Edwards
MIEAust CPEng (Civil/Structural)
RPEQ No 6138
NT-BPBCE: 26906ES
RBP (Vic) EC37110
Signature .....Date 15/07/19
Registered on the National Professional Engineers Register in the area of practice of Civil / Structural

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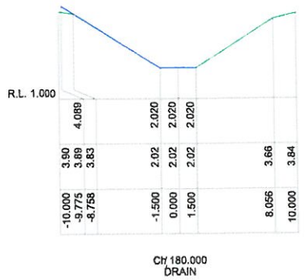
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WORKS APPLICATION

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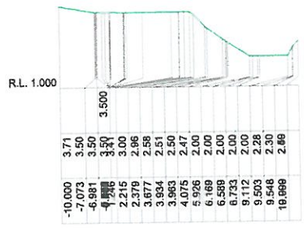
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CROSS SECTIONS
SHEET 3 of 4

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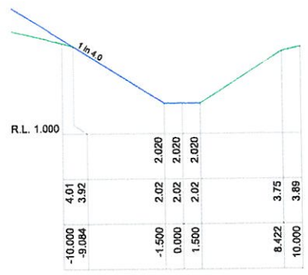
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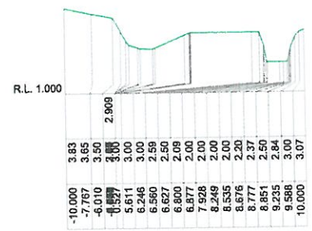
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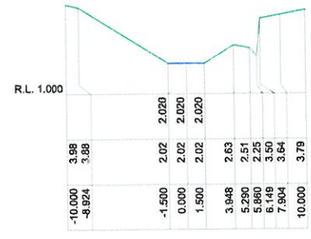
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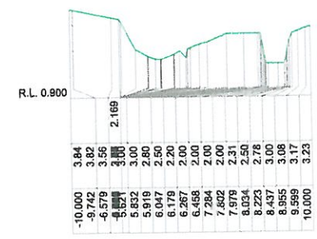
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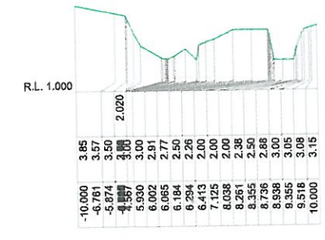
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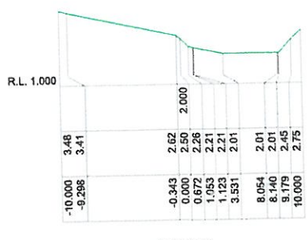
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Ch 157.194
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Ch 188.712
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Ch 207.505
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Registered Professional Engineer 699704
Mr Sean F. Edwards
MIEAust CPEng (Civil/Structural)
RPEQ No 6138
NT-BPBCE: 26906ES
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Signature .....Date 15/07/19
Registered on the National Professional Engineers Register in the area of practice of **Civil / Structural**

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CLIENT
R. SUGARS

2 KARINGAL DRIVE PIMPAMA
WORKS APPLICATION

DRAWN		DATE
DESIGNED		DATE
CHECKED		DATE
APPROVED	REG No	DATE

DRAWING TITLE
PROPOSED DRAIN
CROSS SECTIONS
SHEET 4 of 4

DRAWING STATUS
PRELIMINARY

DRAWING NUMBER
TEGCE19015 C07

A1 | SCALES | REV A