

## **EXCAVATION NOTES**

EXTENT OF CUT TO BULK

EXTENT OF FILL TO BULK EARTHWORKS LEVEL

FILL VOLUME =  $0 \text{ m}^3$ 

 $EXCESS = 4300 \text{ m}^3$ 

FINISHED BULK EXCAVATION LEVEL

SLAB IN ACCORDANCE WITH STRUCTURAL DRAWINGS

FREE DRAINING LAYER WITH AG LINES

TO HYDRAULIC ENGINEERS DETAILS. PROVIDE A MINIMUM OF 150mm.

EARTHWORKS LEVEL CUT VOLUME = 4300 m³ THIS DRAWING ONLY DETAILS BULK EARTHWORKS ASSOCIATED WITH THE BUILDING BASEMENT SLAB (IGNORING STRUCTURAL FOOTINGS, BEAMS AND COLUMNS) AND DRIVEWAY AND PEDESTRIAN ACCESS RAMPS.

EXPOSED STRATA BY GEOTECHNICAL PROFESSIONAL.

- PROVIDE TEMPORARY 1 IN 2 MAX BATTERS IN ACCORDANCE WITH "REPORT ON GEOTECHNICAL ASSESSMENT" PREPARED BY IDEALGEOTECH DATED MARCH 2017 SUBJECT TO INSPECTION OF
- SEDIMENT & EROSION CONTROL MEASURES IN ACCORDANCE WITH LANDCOM "BLUE BOOK" MUST BE IMPLEMENTED DURING CONSTRUCTION TO PREVENT SEDIMENT LADEN WATER LEAVING THE
- 270mm ZONE BELOW FINISHED SURFACE LEVELS HAS BEEN ALLOWED FOR BASEMENT STRUCTURAL SLAB (NOMINAL 120mm THICK SLAB, 150mm DRAINAGE LAYER).
- 500mm ZONE OFFSET FROM BASEMENT CARPARK PERIMETER HAS BEEN ALLOWED FOR FORM
- ALL EXISTING PROPERTY SERVICES LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE VERIFIED ON SITE. THE CONTRACTOR SHOULD SUPPLY PRECISE LOCATIONS AND DEPTHS TO THE ENGINEER FOR REVIEW PRIOR TO ANY WORKS THAT MAY AFFECT THESE SERVICES.



NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

## WARNING

BEWARE OF UNDERGROUND SERVICES THE LOCATIONS OF UNDERGROUND SERVICES SHOWN POSITION SHOULD BE PROVEN ON SITE.

ALL EXISTING PROPERTY SERVICES' LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE VERIFIED ON SITE.

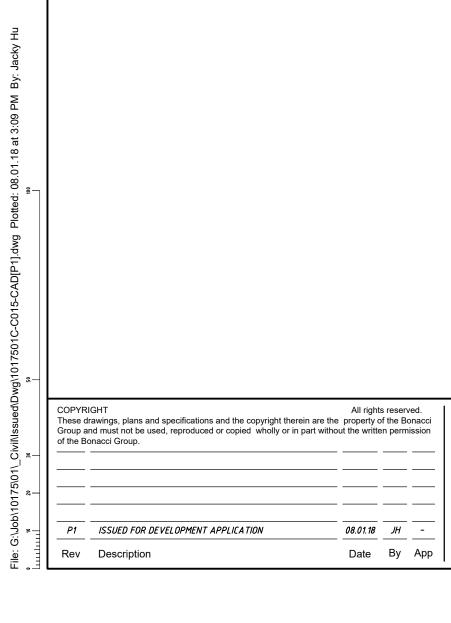
THE CONTRACTOR SHOULD SUPPLY PRECISE LOCATIONS AND DEPTHS TO THE ENGINEER FOR REVIEW PRIOR TO ANY WORKS THAT MAY AFFECT THESE SERVICES.



| BONACCI GROUP ( NSW ) Pty Ltd ABN 29 102 716 352 Consulting Engineers, Structural - Civil - Infrastructure Level 6, 37 York Street, Sydney, NSW 2000 Australia Tel: +61 2 8247 8400 Fax: +61 2 8247 8444 sydney@bonaccigroup.com www.bonaccigroup.com

Project Name ST GEORGE COMUMUNITY HOUSING DEVELOPMENT APPLICATION 88-92 ELIZABETH DRIVE Project Director Approved Date

LIVERPOOL, NSW 2170 Drawing BULK EARTHWORKS Scale NOTED Project Ref Drawing No Rev OVERALL PLAN Date JAN 2018



P1 ISSUED FOR DEVELOPMENT APPLICATION

Rev Description

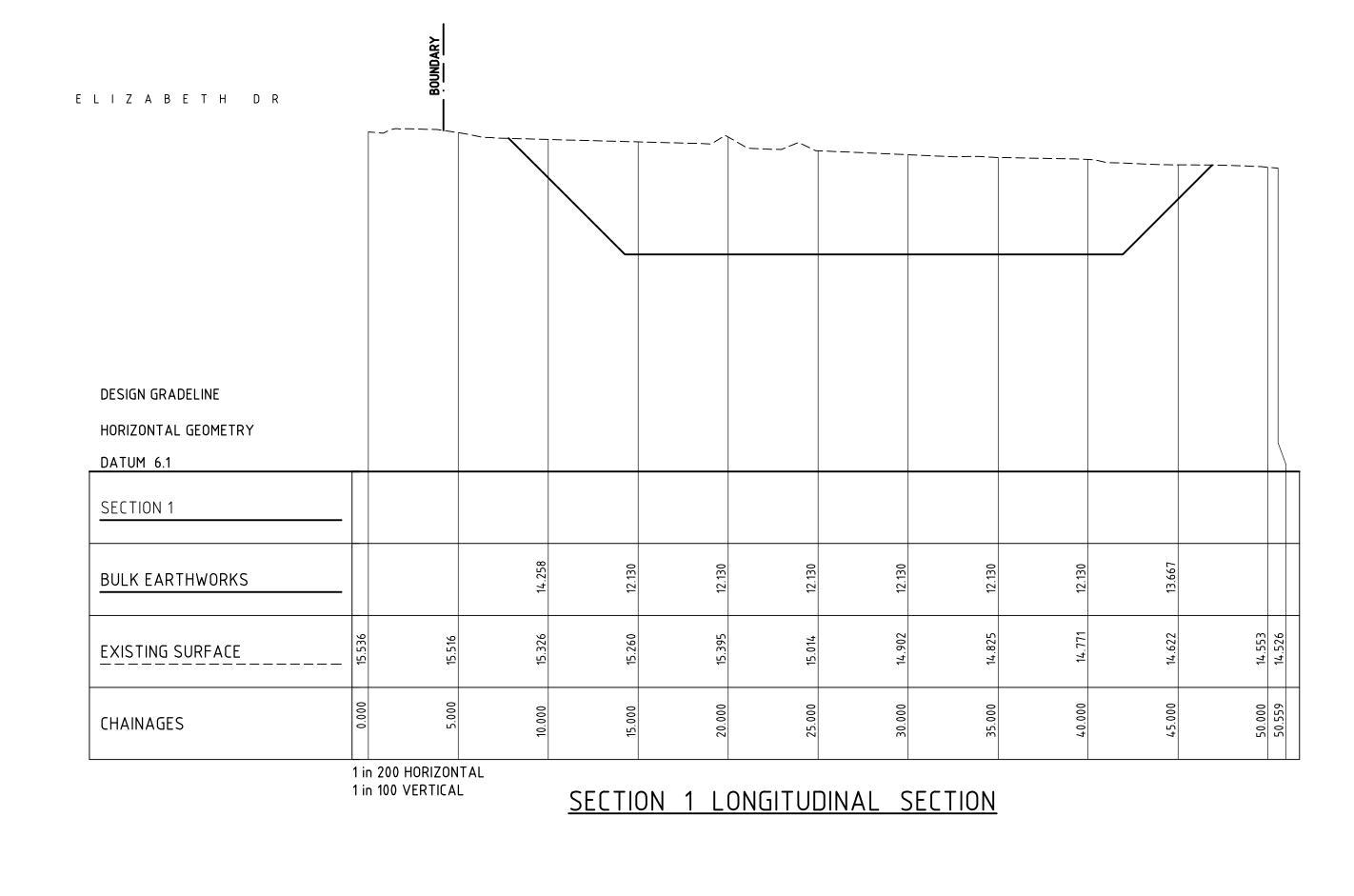
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08.01.18 JH -

Date By App Rev Description

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Date By App

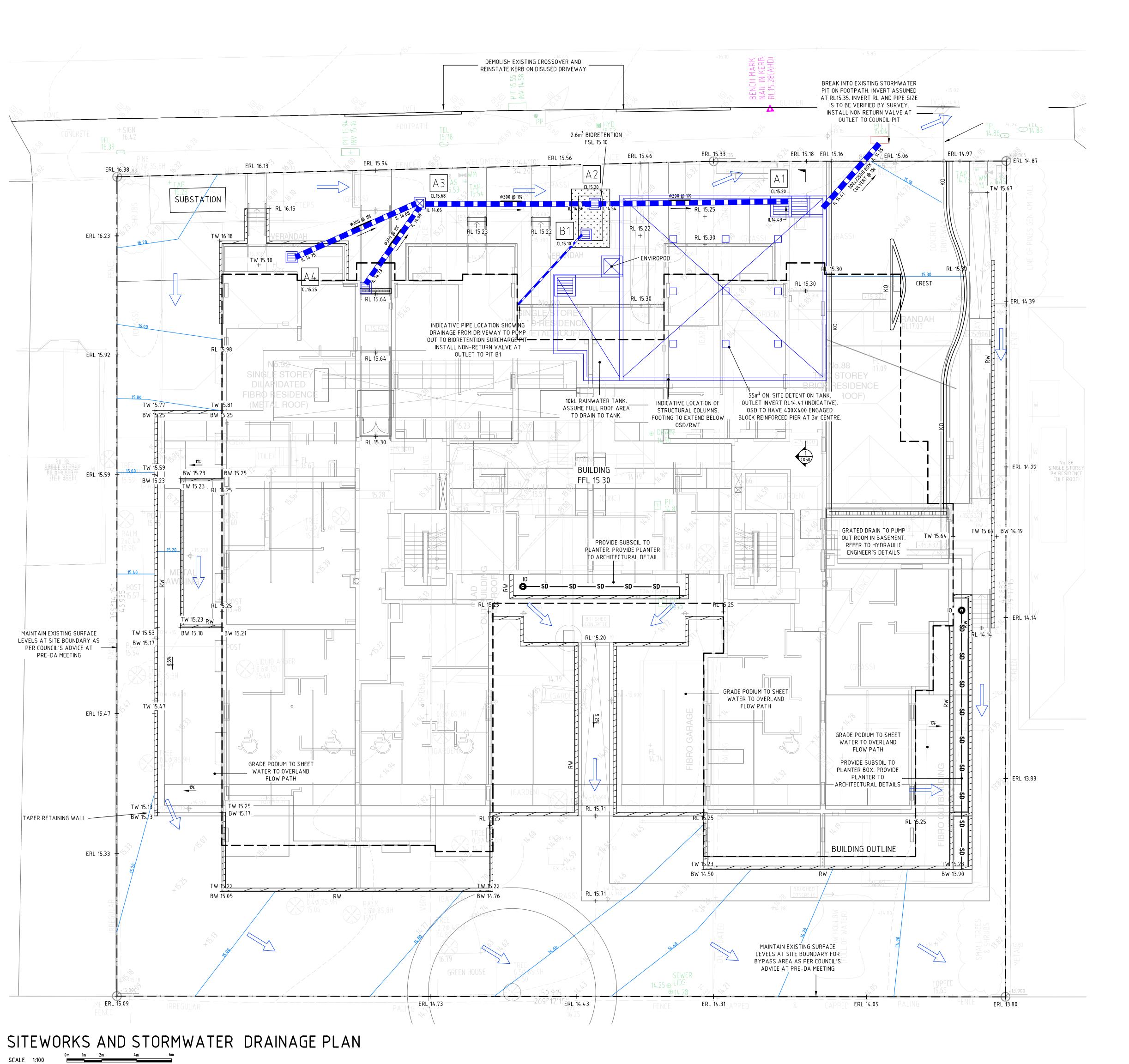


PROVIDE TEMPORARY SHORING WALL PROVIDE TEMPORARY SHORING WALL DESIGN GRADELINE HORIZONTAL GEOMETRY DATUM 6.1 SECTION 2 BULK EARTHWORKS EXISTING SURFACE CHAINAGES 1 in 200 HORIZONTAL 1 in 100 VERTICAL SECTION 2 LONGITUDINAL SECTION

- THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED
   EXISTING SURFACE LEVELS OUTSIDE OF EXISTING BUILDING BOUNDARY ARE INTERPOLATED FROM INFORMATION SUPPLIED BY THE SURVEYOR.
- 3. REFER TO STRUCTURAL DRAWINGS FOR DETAILED EXCAVATION TO BUILDING STRUCTURES (I.E EDGE BEAMS, ETC)

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BONACCI GROUP ( NSW ) Pty Ltd  ABN 29 102 716 352  Consulting Engineers, Structural - Civil - Infrastructure  Level 6, 37 York Street, Sydney, NSW 2000 Australia  Tel: +61 2 8247 8400 Fax: +61 2 8247 8444  sydney@bonaccigroup.com  www.bonaccigroup.com

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LIVERPOOL, NSW 2170	Designed	Project Director Approved	Date North
Drawing BULK EARTHWORKS LONGITUDINAL SECTIONS	Scale NOTED P	Project Ref	Drawing No Rev
LONGITUDINAL SECTIONS	Date JAN 2018 Sheet B1	20 10175 01	C015 P1



<u>SITEWORKS</u> LEGEND LEGEND FINISHED SURFACE SITE BOUNDARY CONTOUR EX SURFACE LEVEL SURFACE INLET PIT EX SURFACE CONTOUR JUNCTION PIT SURVEYED PIT STORMWATER LINE EX TREE RETAINING WALL BOTTOM OF WALL LEVEL DOWNPIPE AND CONNECTION LINE (REFER TOP OF WALL LEVEL TO HYDRAULIC DRAWINGS FOR DETAILS) PIPE INVERT LEVEL GRATED DRAIN CL 7.25 PIT COVER LEVEL OVERLAND FLOW FINISHED SURFACE LEVEL EXISTING REDUCED LEVEL SUBSOIL INSPECTION GROUND SURFACE GRADE OPENING —— SD —— SUBSOIL DRAINAGE

NOTE:

AS PER DISCUSSION WITH COUNCIL ENGINEER, THE 100 YEAR EVENT TAILWATER LEVEL HAS BEEN ASSUMED AT RL14.76. THIS IS JUSTIFIED BY THE ASSUMPTION THAT, DUE TO NATURAL SLOPE OF GROUND, ONLY ROOF AREAS OF NEIGHBOURING PROPERTIES ARE CONNECTED INTO THIS LINE AND NOT ALL ROOF AREAS OF NEIGHBOURING PROPERTIES ARE CONNECTED INTO THIS LINE. THE 5 YEAR TAILWATER LEVEL HAS BEEN ASSUMED AT OBVERT OF EXISTING PIPE (ASSUMED 375mm) AT RL14.725.

EXISTING STORMWATER PIPE SIZE AND INVERT LEVEL BE SURVEYED FOR DETAILED DESIGN.

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Consulting Engineers, Structural - Civil - Infrastructure

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sydney@bonaccigroup.com

www.bonaccigroup.com

Project Name ST GEORGE COMUMUNITY HOUSING 88-92 ELIZABETH DRIVE LIVERPOOL, NSW 2170

Drawing Title SITEWORKS AND STORMWATER DRAINAGE PLAN

Drawing Drawing SITEWORKS AND STORMWATER DRAINAGE PLAN

Drawing Drawing No Rev Date OCT 2017 Sheet B1 20 10175 01 C 031 P4

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Rev Description

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