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ENGINEERS

MANAGERS

INFRASTRUCTURE PLANNERS

DEVELOPMENT CONSULTANTS

VIC210102
26 July 2021

Statutory Planning
Monash City Council
293 Springvale Road,
Glen Waverley VIC3150
E: mail@monash.vic.gov.au
Attention: To whom it may concern

Re: Response to Monash Planning Scheme Clause 53.18, 113 Warrigal Road, Hughesdale VIC 3166.

With reference to the above, ACOR Consulting has identified the following conditions in the Monash Planning Scheme Clause 53.18.

Clause 53.18-5 Stormwater Management Objectives for buildings and Works

- To encourage stormwater management that maximises the retention and reuse of stormwater.
- To encourage development that reduces the impact of stormwater on the drainage system and filters sediment and waste from stormwater prior to discharge from the site.
- To encourage stormwater management that contributes to cooling, local habitat improvements and provision of attractive and enjoyable spaces.

Clause 53.18-6 Site Management Objectives

- To protect drainage infrastructure and receiving waters from sedimentation and contamination.
- To protect the site and surrounding area from environmental degradation prior to and during construction of subdivision works.

Proposed Development

The proposed extension at Sacred Heart Girls College stage-3A comprises of refurbishment of existing facilities, construction of a new 3 storey learning support and classroom extension and car parking upgrades. The total proposed development area is 1505m^2 approx. and includes demolition of existing carpark and learning support building to accommodate the new building and carpark extension to the south. Additional landscape features have been proposed along the southern boundary.

Response to Clause 53.18-5

ACOR Consulting has designed the proposed development works for Sacred Heart Girls College stage-3A to meet the current best practice performance objectives for stormwater quality as contained in the Urban Stormwater-Best Practice Environmental Management Guidelines (Victorian Stormwater Committee, 1999). These initiatives are considered the most appropriate and practical for the site to ensure the proposed development meets the target water quality objectives required by City of Monash Planning scheme. The proposed design has addressed the requirements of Clause 53.18-5 by identifying the impervious areas of the site and implementing treatments to mitigate impacts of the drainage leaving the site.

The STORM calculator was used to access and determine the treatment effectiveness of these initiatives. Stormwater from the building roof of 410m^2 will be treated with a 15KL rainwater tank for reuse by toilet flushing and gardening. The proposed new car parks (225m^2 approx.) and the overflow from the tank will be connected to the existing Legal Pont of Discharge (LPOD) downstream.

Attached is the schematic drainage layout sketch and STORM report with a rating of 103%. The recommended treatments and the STORM result indicate that the design will meet the minimum performance standards required by the City of Monash prior to discharging to council's nominated point of discharge.

Response to Clause 53.18-6

The onus of complying to this clause falls on the contractor completing the proposed works. During construction phase, the contractor shall provide the following works to comply with this clause.

- Provide soil and erosion control plan to council prior to construction and at all time remain responsible for compliance with all laws and regulations pertaining to safety and protection of the environment.
- Provide geotextile filter fabric fence along the whole site boundary to prevent any sediment from entering the adjacent lots or downstream stormwater systems.
- Wrap the grated pit covers in geotextile fabric during construction works to prevent the council's drainage infrastructure and receiving waters from sedimentation and contamination.
- Ensure to keep the access road clean of all construction material during and prior to construction works.

If you have any queries regarding the above response, please feel free to contact us on 9885 4335

Thank you.

Yours sincerely

Jude Linton

Civil Engineer

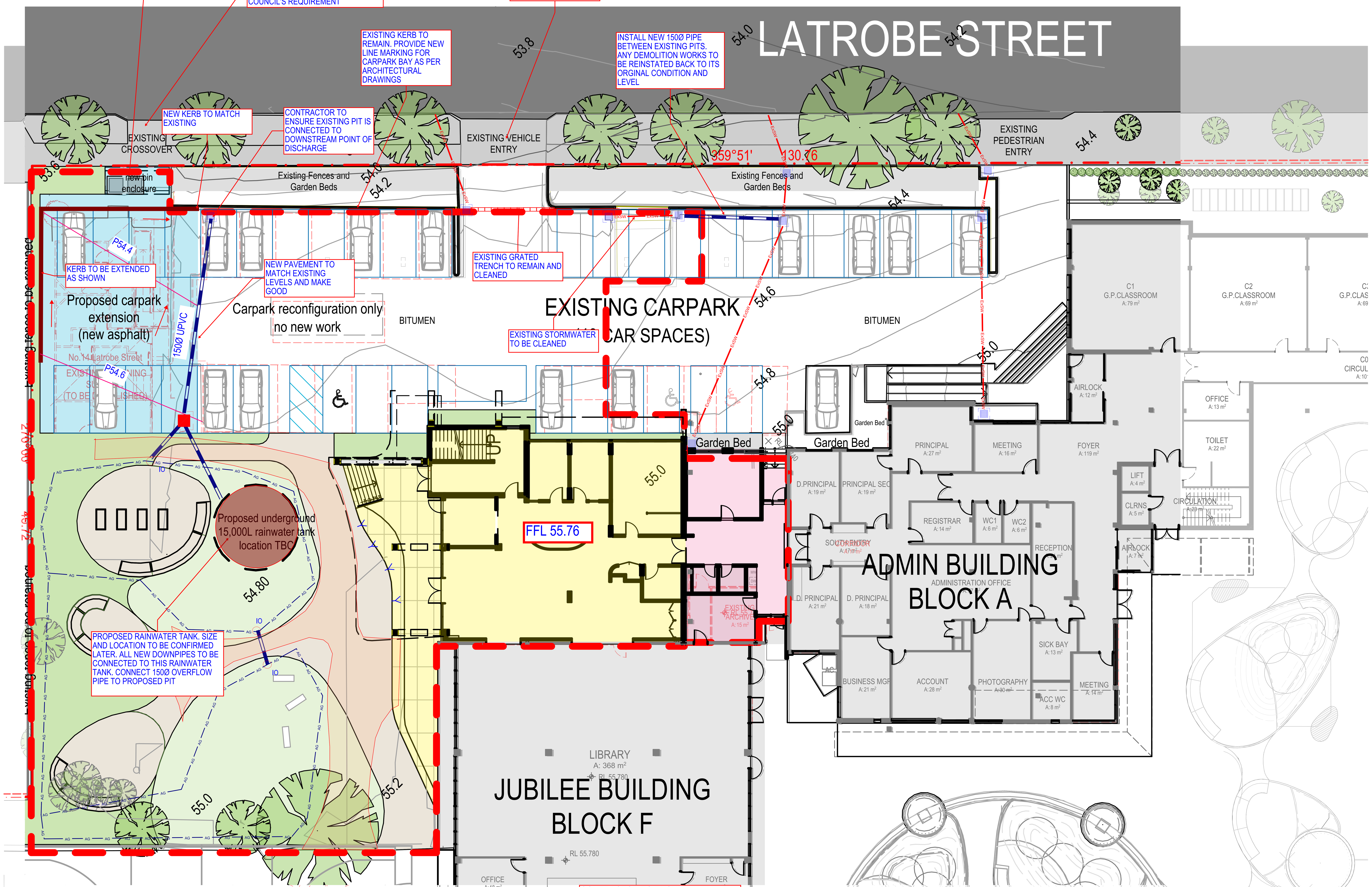
ACOR Consulting

STORM Rating Report

TransactionID:	1197112	
Municipality:	MONASH	
Rainfall Station:	MONASH	
Address:	113 WARRIGAL ROAD	
	HUGHESDALE	
	VIC	3166
Assessor:	Jude Linton	
Development Type:	Industrial	
Allotment Site (m2):	1,505.00	
STORM Rating %:	103	

Description	Impervious Area (m2)	Treatment Type	Treatment Area/Volume (m2 or L)	Occupants / Number Of Bedrooms	Treatment %	Tank Water Supply Reliability (%)
Roof	410.00	Rainwater Tank	15,000.00	100	160.80	82.00
Pavement	230.00	None	0.00	0	0.00	0.00

Date Generated: 26-Jul-2021 Program Version: 1.0.0



PROVIDE 100 THICK CONCRETE PAVEMENT FOR BIN ENCLOSURE
EXISTING CROSSOVER TO BE REMOVED AND REPLACED WITH BLUESTONE KERB AND CHANNEL, FOOTPATH AND NATURE STRIP TO COUNCIL'S REQUIREMENT
EXISTING CROSSOVER TO BE RETAINED AND PROTECTED DURING CONSTRUCTION WORKS
EXISTING KERB TO REMAIN. PROVIDE NEW LINE MARKING FOR CARPARK BAY AS PER ARCHITECTURAL DRAWINGS
INSTALL NEW 150Ø PIPE BETWEEN EXISTING PITS. ANY DEMOLITION WORKS TO BE REINSTATED BACK TO ITS ORGINAL CONDITION AND LEVEL
LATROBE STREET
NEW KERB TO MATCH EXISTING
CONTRACTOR TO ENSURE EXISTING PIT IS CONNECTED TO DOWNSTREAM POINT OF DISCHARGE
EXISTING CROSSOVER
EXISTING VEHICLE ENTRY
EXISTING PEDESTRIAN ENTRY
new bin enclosure
Existing Fences and Garden Beds
KERB TO BE EXTENDED AS SHOWN
NEW PAVEMENT TO MATCH EXISTING LEVELS AND MAKE GOOD
EXISTING GRATED TRENCH TO REMAIN AND CLEANED
Proposed carpark extension (new asphalt)
Carpark reconfiguration only no new work
BITUMEN
EXISTING CARPARK
EXISTING STORMWATER TO BE CLEANED
150Ø UPVC
No.14 Latrobe Street
Garden Bed
Proposed underground 15,000L rainwater tank location TBC
FFL 55.76
ADMIN BUILDING
BLOCK A
PROPOSED RAINWATER TANK. SIZE AND LOCATION TO BE CONFIRMED LATER. ALL NEW DOWNPIPES TO BE CONNECTED TO THIS RAINWATER TANK. CONNECT 150Ø OVERFLOW PIPE TO PROPOSED PIT
LIBRARY
JUBILEE BUILDING
BLOCK F
PRINCIPAL
MEETING
FOYER
REGISTRAR
RECEPTION
SICK BAY
BUSINESS MGR
ACCOUNT
PHOTOGRAPHY
C1 G.P.CLASSROOM
C2 G.P.CLASSROOM
OFFICE
TOILET
LIFT
AIRLOCK
WORK ROOM

LEGEND

- VEHICULAR ASPHALT PAVEMENT
- 100 THICK FOOTPATH PAVEMENT
- EXISTING STORMWATER PIT
- EXISTING STORMWATER DRAIN
- PROPOSED STORMWATER PIT
- PROPOSED STORMWATER PIPE
- PROPOSED INSPECTION OPENING
- PROPOSED AG DRAIN
- PROPOSED KERB AND CHANNEL
- P54.6 PROPOSED CONTOUR
- DIRECTION OF FLOW

DOWNPIPES LOCATION AND SIZES TO BE CONFIRMED BY THE ARCHITECT

ON-SITE DETENTION SYSTEM TO BE CONFIRMED BY THE COUNCIL

CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF DEMOLITION WORKS ON SITE

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE.

DIAL BEFORE YOU DIG www.1100.com.au

CONTRACTOR TO ENSURE ANY EXISTING STORMWATER REMAINS FUNCTIONAL OR IS REDIRECTED TO AN ALTERNATIVE POINT OF DISCHARGE DURING CONSTRUCTION. AN ALLOWANCE SHOULD BE MADE FOR ALL TEMPORARY WORKS AS REQUIRED

CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS FROM RELEVANT AUTHORITIES PRIOR TO COMMENCING ANY WORKS WITHIN THE ROAD RESERVE

ALL INTERNAL DRAINAGE WORKS ARE TO BE IN ACCORDANCE WITH AS/NZS 3500.3 PART 3"STOWMATER AND DRAINAGE" AND IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL , LANDSCAPE AND OTHER OTHER SERVICES DRAWINGS FOR ALL WORKS

CONTRACTOR TO REFER TO ARCHITECTURAL/LANDSCAPE DRAWINGS FOR EXTENT AND TYPES OF PAVEMENT FINISHES

EXISTING DRAINAGE SHOWN ON THIS PLAN IS APPROXIMATE ONLY. CONTRACTOR TO VERIFY ALL EXISTING DRAINAGE ON SITE AND CONFIRM THEY ARE ACHIEVEING THEIR DESIGN INTENT

Issue	Description	Date	Drawn	Approved
B	SCHEMATIC DESIGN	26/07/21	AS	DS
A	SCHEMATIC DESIGN	17/06/21	AS	DS

North

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ACOR CONSULTANTS

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Project
SACRED HEART GIRLS COLLEGE
LATROBE STREET WING
113 WARRIGAL ROAD
HUGHESDALE VIC 3166

Drawing Title
SCHEMATIC DESIGN

Drawn	Date	Scale	A1	Q.A. Check	Date
AS	JULY 2021			DS	JULY 2021

Designed	Project No.	Dwg. No.	Issue
AS	VIC210102	SKC01	B