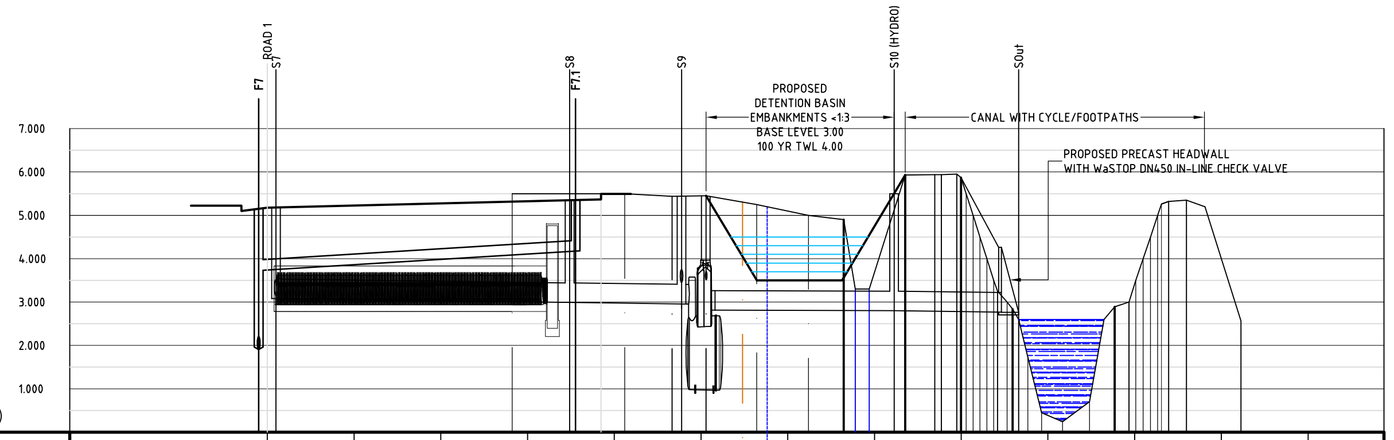
THIS DRAWING IS COPYRIGHT - ELECTRONIC DRAWING FILE

NOTES:

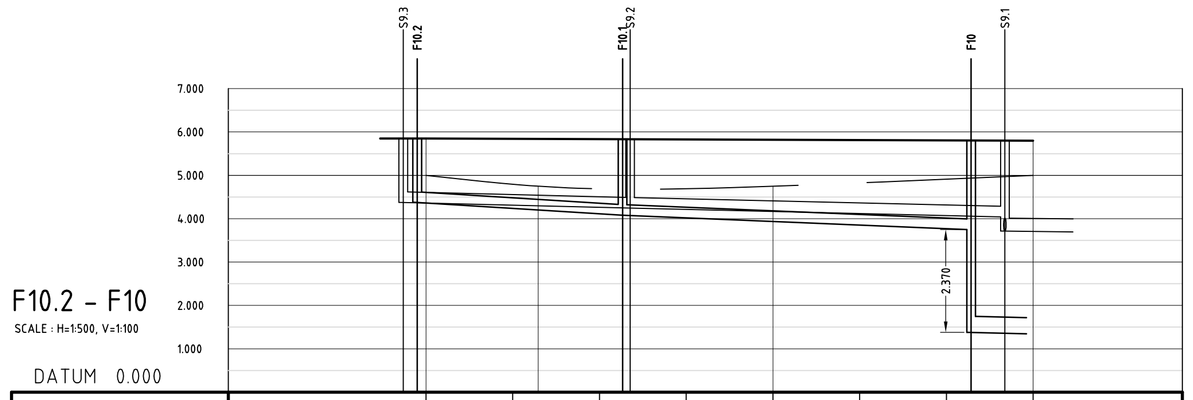


S7 - SOut

SCALE : H=1:500, V=1:100

DATUM 0.000

CHAINAGE		0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000
EXISTING GROUND LEVEL														
ALIGNMENT LEVEL		5.175				5.367								
VERTICAL ALIGNMENT		G= +0.5% 1: +200												
HORIZONTAL ALIGNMENT														
STORMWATER	INVERT	3.980			2.991		3.958		2.801		2.764			
	DETAILS	Dia 450 Type POLYPIPE 1 in 400			Dia 450 Type POLYPIPE 1 in 400		Dia 225 Type POLYPIPE 1 in 60							
	LENGTHS	S7 Len 35.850			S8 Len 12.900		S9 Len 28.090		S10		SOut			
FOULWATER	INVERT	1.906 BD 3.728			4.175									
	DETAILS	3.240 1.428 Dia 225 Type PVC SN8 1 in 80			1.180									
	LENGTHS	F7 Len 30.110			F7.1									

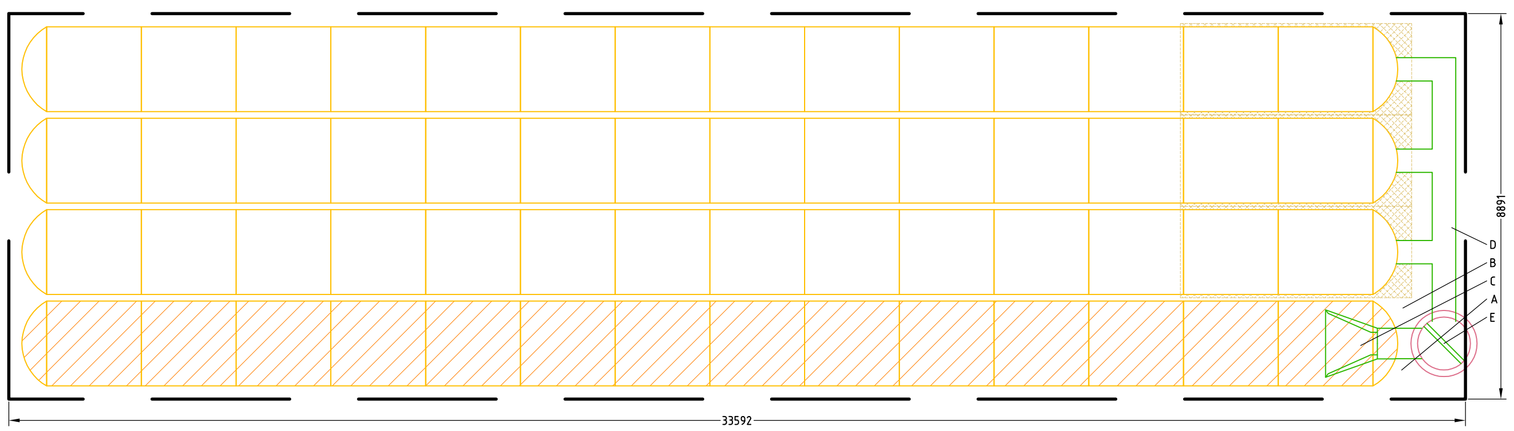


F10.2 - F10

SCALE : H=1:500, V=1:100

DATUM 0.000

CHAINAGE		0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000
EXISTING GROUND LEVEL		5.00	4.75		4.75				5.00
ALIGNMENT LEVEL		5.85							5.80
VERTICAL ALIGNMENT									
HORIZONTAL ALIGNMENT									
STORMWATER	INVERT		4.375			4.244			4.038
	DETAILS		Dia 225 Type POLYPIPE 1 in 200			Dia 225 Type POLYPIPE 1 in 200			
	LENGTHS	S9.3	Len 26.148			Len 43.213			S9.1
FOULWATER	INVERT		4.375			4.079			BD 3.744
	DETAILS		1.475 Dia 225 Type PVC SN8 1 in 80			1.755 Dia 225 Type PVC SN8 1 in 120			2.057 4.428
	LENGTHS	F10.2	Len 23.675	F10.1		Len 40.187			F10



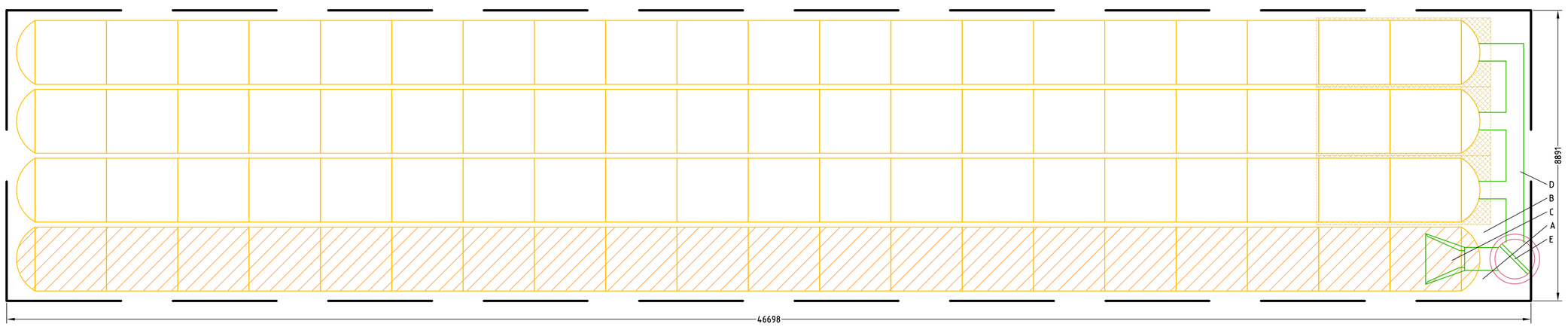
ATTENUATION 'A' (2 No. THUS)

SCALE 1:100

PROPOSED LAYOUT 'A'		PROPOSED ELEVATIONS	
80	STORMTECH MC-3500 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	6.882
8	STORMTECH MC-3500 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	5.053
300	STONE ABOVE (mm)	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	4.900
300	STONE BELOW (mm)	MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	4.900
40	STONE VOID	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	4.900
442.5	INSTALLED SYSTEM VOLUME (m³) (PERIMETER STONE INCLUDED) (COVER STONE INCLUDED) (BASE STONE INCLUDED)	TOP OF STONE:	4.743
		TOP OF MC-3500 CHAMBER:	4.443
		600 mm ISOLATOR ROW PLUS INVERT:	3.352
		450 mm x 450 mm BOTTOM MANIFOLD INVERT:	3.345
415.2	SYSTEM AREA (m²)	BOTTOM OF MC-3500 CHAMBER:	3.300
111.2	SYSTEM PERIMETER (m)	BOTTOM OF STONE:	3.000

PART TYPE	ITEM ON LAYOUT	DESCRIPTION	INVERT	MAX FLOW
PREFABRICATED END CAP	A	600mm BOTTOM CORED END CAP, PART#: MC3500IEPP24BC / TYP OF ALL 600mm BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS	52 mm	
PREFABRICATED END CAP	B	450mm BOTTOM CORED END CAP, PART#: MC3500IEPP18BC / TYP OF ALL 450mm BOTTOM CONNECTIONS	45 mm	
FLAMP	C	INSTALL FLAMP ON 600mm ACCESS PIPE / PART#: MC350024RAMP		
MANIFOLD	D	450mm x 450mm BOTTOM MANIFOLD, ADS N-12	45 mm	
CONCRETE STRUCTURE W/WEIR	E	(DESIGN BY ENGINEER / PROVIDED BY OTHERS)		467 L/s IN

PROPOSED LAYOUT 'B'		PROPOSED ELEVATIONS	
80	STORMTECH MC-3500 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	6.882
8	STORMTECH MC-3500 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	5.053
300	STONE ABOVE (mm)	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	4.900
300	STONE BELOW (mm)	MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	4.900
40	STONE VOID	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	4.900
442.5	INSTALLED SYSTEM VOLUME (m³) (PERIMETER STONE INCLUDED) (COVER STONE INCLUDED) (BASE STONE INCLUDED)	TOP OF STONE:	4.743
		TOP OF MC-3500 CHAMBER:	4.443
		600 mm ISOLATOR ROW PLUS INVERT:	3.352
		450 mm x 450 mm BOTTOM MANIFOLD INVERT:	3.345
415.2	SYSTEM AREA (m²)	BOTTOM OF MC-3500 CHAMBER:	3.300
111.2	SYSTEM PERIMETER (m)	BOTTOM OF STONE:	3.000



ATTENUATION 'B'

SCALE 1:100

NOT TO BE USED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	BY/CHKD/APPR

Client

Revington Developments Ltd.

PHM Consulting
Civil - Structural - Environmental
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Tel.: +353 (0)61 576020 E-mail: info@phm.ie Web.: www.phm.ie

PROPOSED MIXED-USE DEVELOPMENT AT PA HEALY ROAD, LIMERICK

DRAINAGE - LONGITUDINAL SECTIONS

SHEET 3 OF 3

Drawn	Scale	Project Number	Rev.
POR	1:500	108-96	~
Chkd. POR	Date 10/2021	Drawing Number 212	A1
Apprd. EOD	Status PLANNING DS		