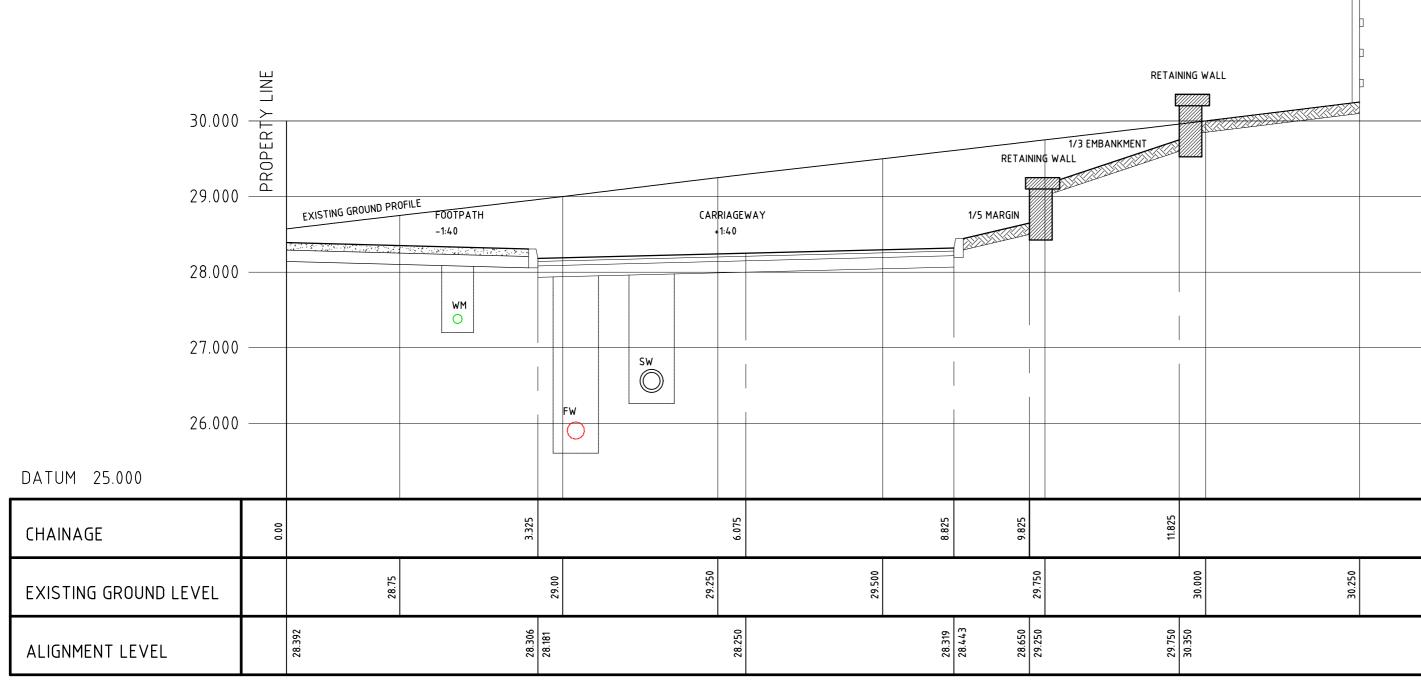


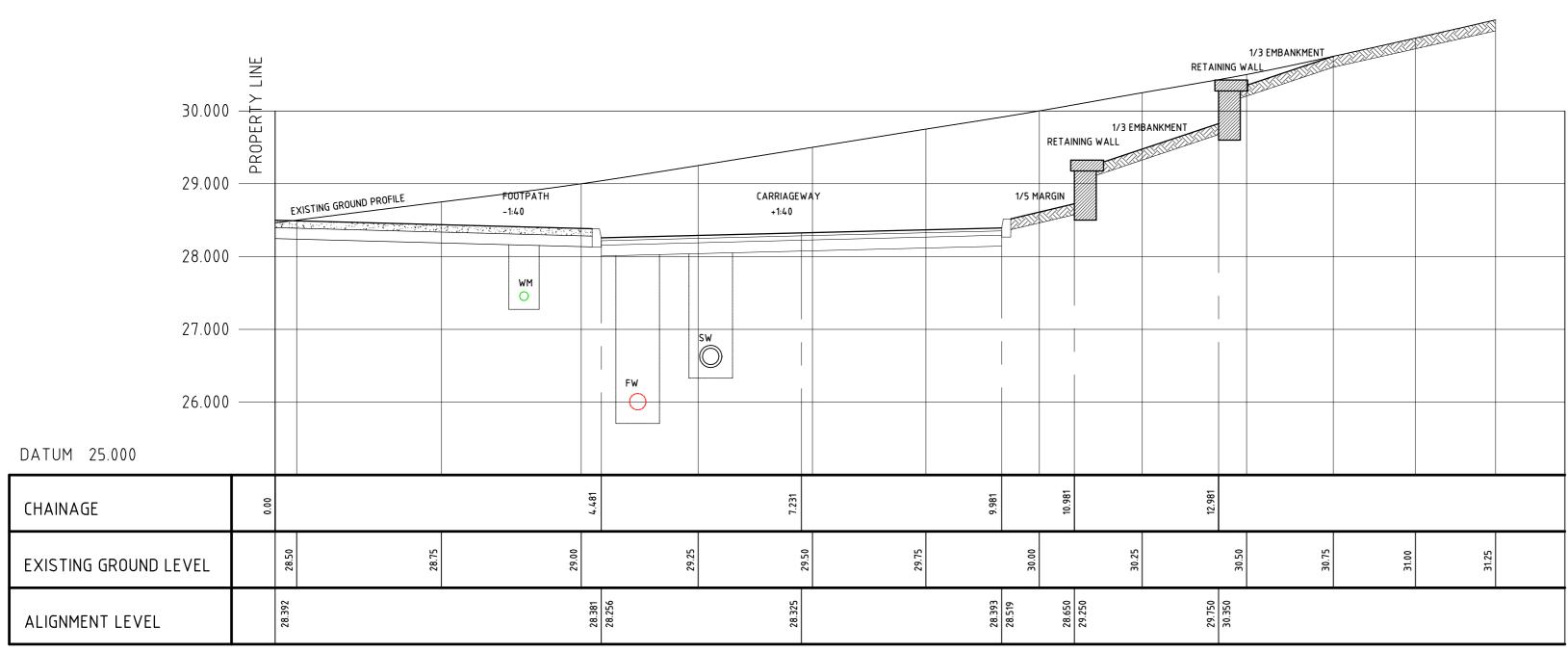
SECTION A SCALE : H=1:50, V=1:50

	PROPERTY LINE										
28.000		F00TPATH -1:40		RIAGEWAY 1:40		MARGIN					
27.000		EXISTING GROUND PROFILE	SW SW					-	BACKDROP MH FILTER DRAIN		
DATUM 25.000											
CHAINAGE	0.00	2.00		4.75	7.50	8.50	9.50	10.50			
EXISTING GROUND LEVEL		27.250	27.500	27.750				28.000		28.250	
ALIGNMENT LEVEL		27.916	27.741	27.81	27.879	28.003					

SECTION B SCALE : H=1:50, V=1:50



SECTION C SCALE : H=1:50, V=1:50



SECTION D SCALE : H=1:50, V=1:50



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2. LOCAL DRAINS TO RUN AT A GRADIENT OF 1/40 UNLESS OTHERWISE NOTED.
3. DOUBLE GULLIES TO BE PROVIDED AT ALL ROAD SAG CURVES & CUL DE SACS WHERE INDICATED. SEPARATE CONNECTIONS 150mm DIA. SHALL BE PROVIDED FOR

4. HOUSE DRAINS SHALL NOT PASS THROUGH A PROPERTY THEY DO NOT SERVE.
5. MANHOLES ON HOUSE DRAIN RUNS SHALL BE LOCATED IN PRIVATE PROPERTY IN

10. ALL PIPES WHICH ARE TO BE TAKEN IN CHARGE BY THE LOCAL AUTHORITY ARE

NOTES:

ALL CASES.

1. ALL HOUSE DRAINS TO BE 150mmø.

FROM A SURFACE WATER CONNECTION.

EACH GULLY. NO GULLEY SHALL BE MORE THAN 10m

9. FOR PIPE BEDDING DETAILS SEE DRG. No. 153.

6. FOR SEWER LONG SECTIONS SEE DRAWING No. s 130 SERIES
7. FOR ROAD CONSTRUCTION DETAILS SEE DRG. No. 151.
8. FOR MANHOLE DETAILS SEE DRG. No. 152.

T1 BE CONCRETE PIPES COMPLYING WITH I.S. 6 & I.S. 166 OR B.S. 5911.



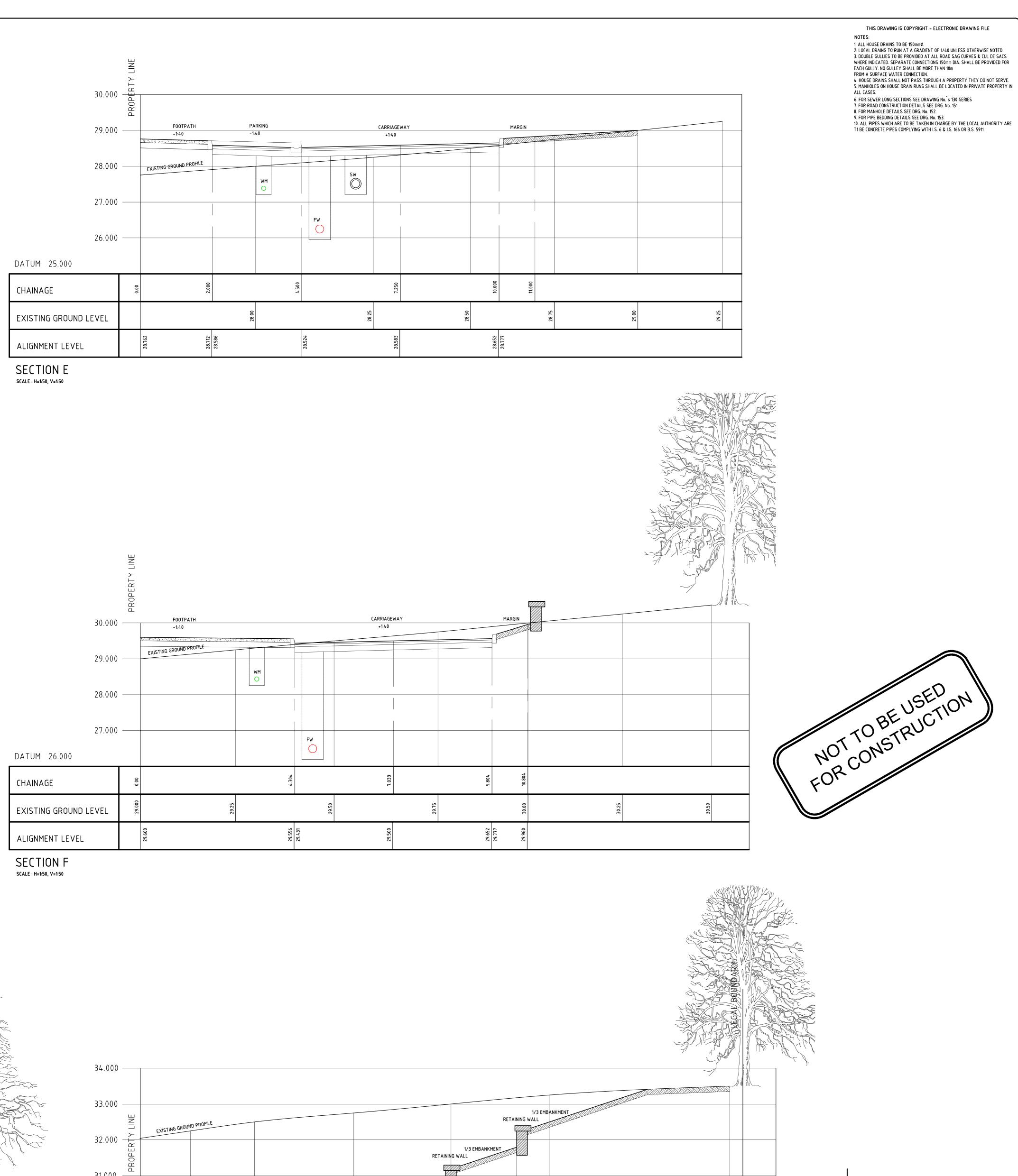


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Tel.: +353 (0)61 576020 E-mail: info@phm.ie Web.: www.phm.ie

SOCIAL HOUSING DEVELOPMENT AT MONTPELLIER, CO. LIMERICK

CROSS SECTIONS - SHEET 1

Drawn	Scale	Project Number	Rev.	
POR	1:50	100 22	_	
Chkd.	Date	108–33		
POR	12/2018	Drawing Number		
Apprd.	Status	132	A1	
EOD	DRAFT D1			



31.000

30.000 -

29.000

28.000

27.000 -

DATUM 26.000

EXISTING GROUND LEVEL

ALIGNMENT LEVEL

SECTION G

SCALE : H=1:50, V=1:50

CHAINAGE

F00TPATH -1:40

 \bigcirc

30.356

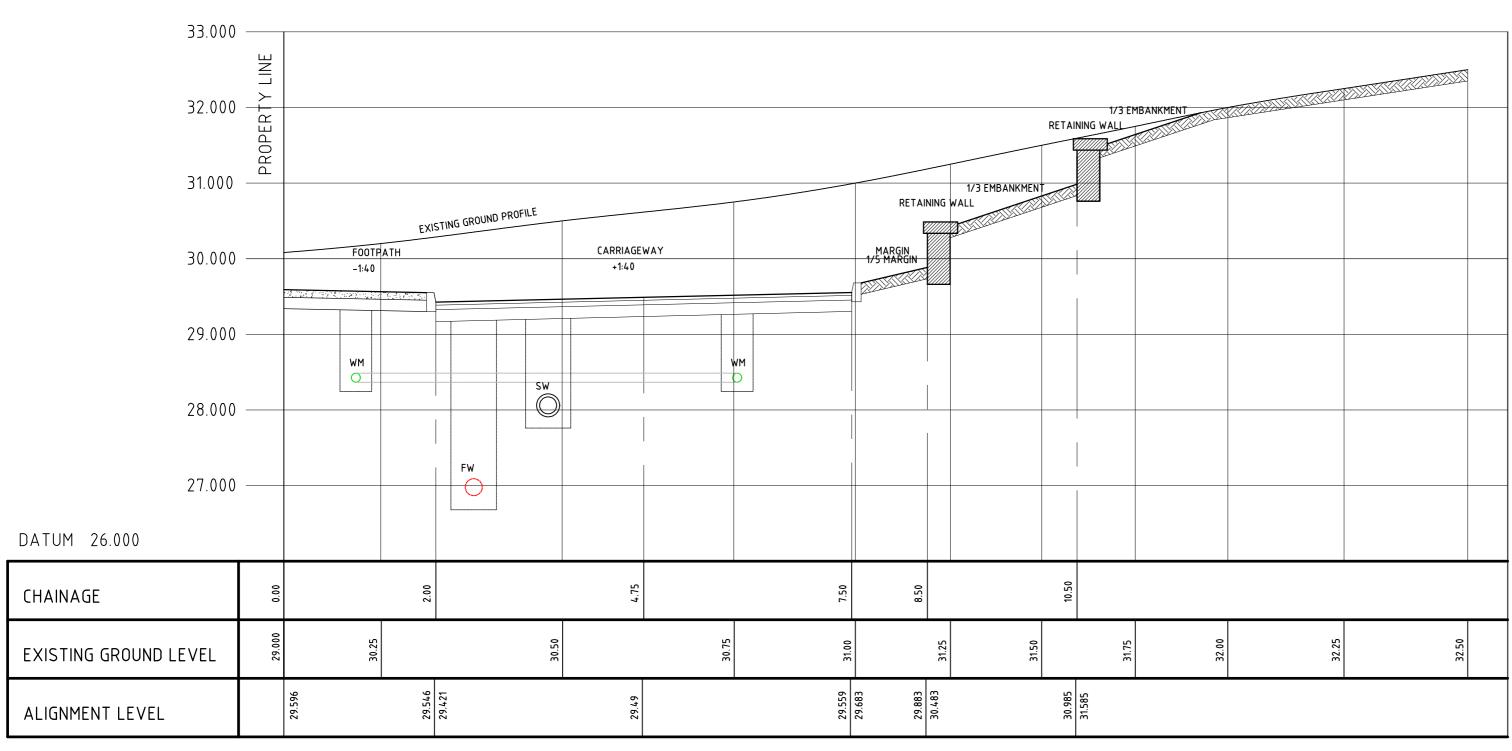
CARRIAGEWAY

MARGIN 1/5 MARGIN

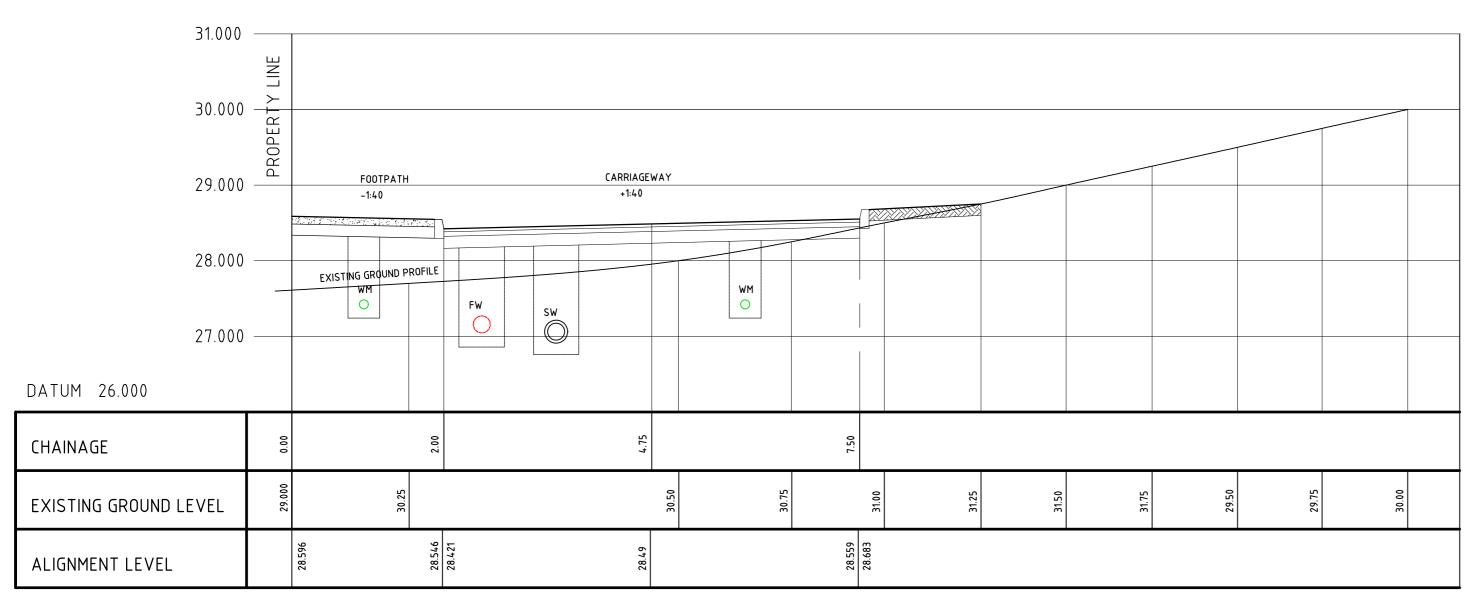
30.452

REV DATE DESCRIPTION BY/CHKD/APPR Client Limerick CITY & COUNTY COUNCIL **PHM** Consulting Civil - Structural - Environmental 11 Mallow Street, Limerick, Ireland Tel.: +353 (0)61 576020 E-mail: info@phm.ie Web.: www.phm.ie SOCIAL HOUSING DEVELOPMENT AT MONTPELLIER, CO. LIMERICK CROSS SECTIONS - SHEET 2 POR 1:50 108-33 POR 12/2018

133 EOD DRAFT D1



SECTION H SCALE : H=1:50, V=1:50



SECTION J SCALE : H=1:50, V=1:50



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1. ALL HOUSE DRAINS TO BE 150mmø. 2. LOCAL DRAINS TO RUN AT A GRADIENT OF 1/40 UNLESS OTHERWISE NOTED. 3. DOUBLE GULLIES TO BE PROVIDED AT ALL ROAD SAG CURVES & CUL DE SACS

WHERE INDICATED. SEPARATE CONNECTIONS 150mm DIA. SHALL BE PROVIDED FOR

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EACH GULLY. NO GULLEY SHALL BE MORE THAN 10m

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6. FOR SEWER LONG SECTIONS SEE DRAWING No.'s 130 SERIES
7. FOR ROAD CONSTRUCTION DETAILS SEE DRG. No. 151.
8. FOR MANHOLE DETAILS SEE DRG. No. 152.

T1 BE CONCRETE PIPES COMPLYING WITH I.S. 6 & I.S. 166 OR B.S. 5911.

FROM A SURFACE WATER CONNECTION.

NOTES:

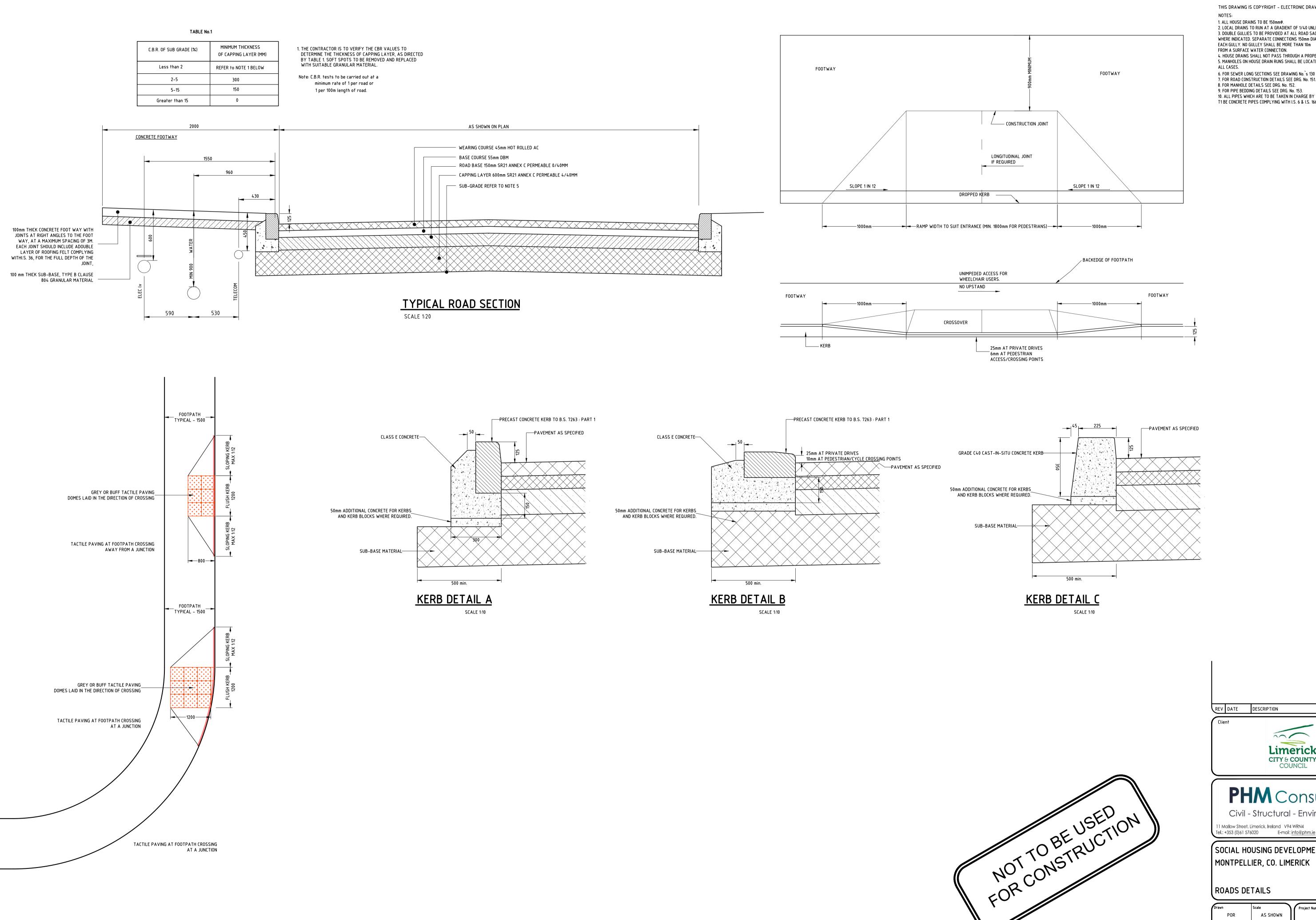
ALL CASES.



DRAFT D1

EOD

134



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8. FOR MANHOLE DETAILS SEE DRG. No. 152. 9. FOR PIPE BEDDING DETAILS SEE DRG. No. 153. 10. ALL PIPES WHICH ARE TO BE TAKEN IN CHARGE BY THE LOCAL AUTHORITY ARE T1 BE CONCRETE PIPES COMPLYING WITH I.S. 6 & I.S. 166 OR B.S. 5911.

DESCRIPTION BY/CHKD/APPR Limerick CITY & COUNTY COUNCIL

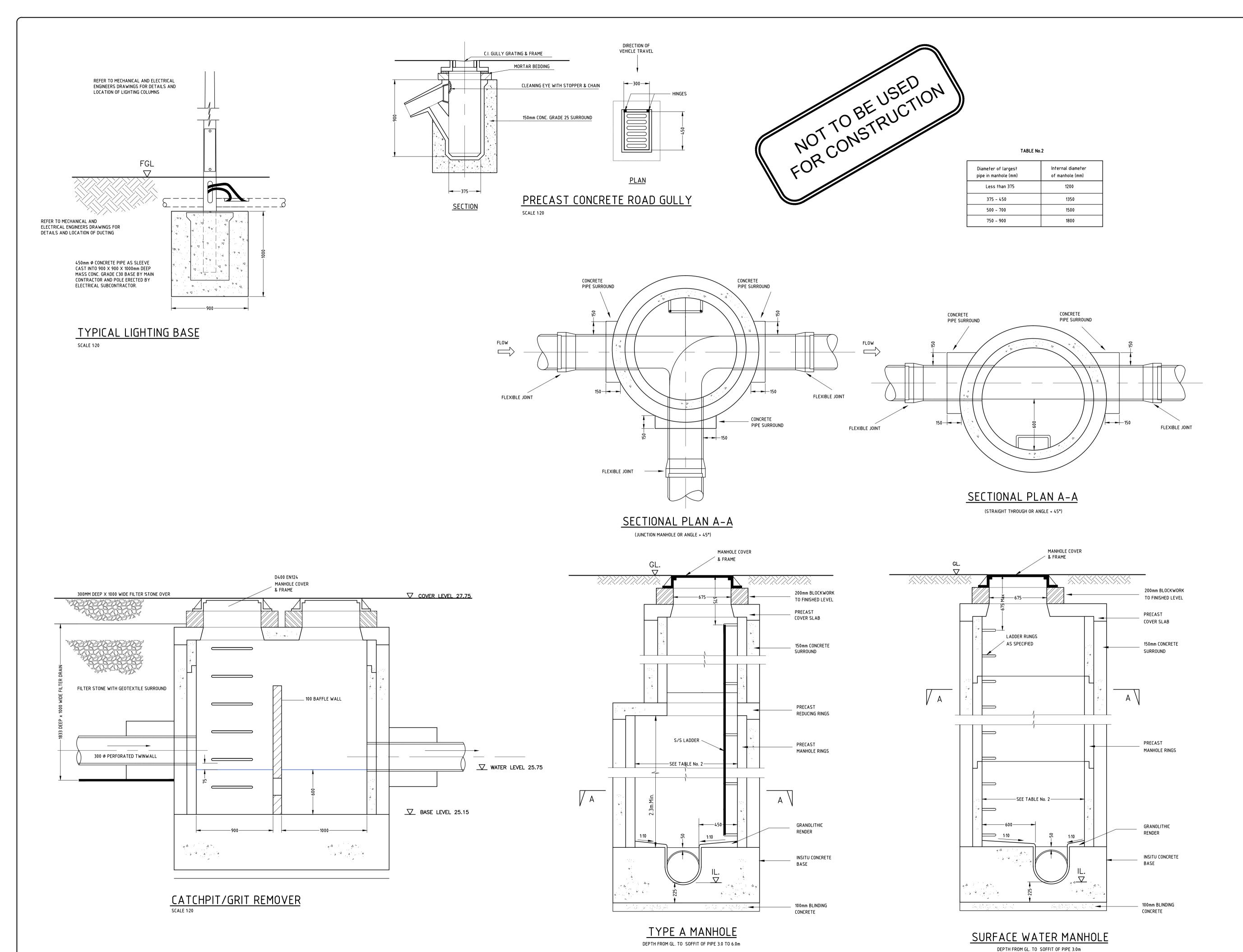
PHM Consulting

Civil - Structural - Environmental

11 Mallow Street, Limerick, Ireland V94 WRN4 Tel.: +353 (0)61 576020 E-mail: <u>info@phm.ie</u> Web.: <u>www.phm.ie</u>

SOCIAL HOUSING DEVELOPMENT AT

AS SHOWN 108-33 POR 12/2018 EOD DRAFT D1



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8. FOR MANHOLE DETAILS SEE DRG. No. 152.

9. FOR PIPE BEDDING DETAILS SEE DRG. No. 153. 10. ALL PIPES WHICH ARE TO BE TAKEN IN CHARGE BY THE LOCAL AUTHORITY ARE T1 BE CONCRETE PIPES COMPLYING WITH I.S. 6 & I.S. 166 OR B.S. 5911.

REV DATE DESCRIPTION BY/CHKD/APPR Limerick CITY & COUNTY COUNCIL

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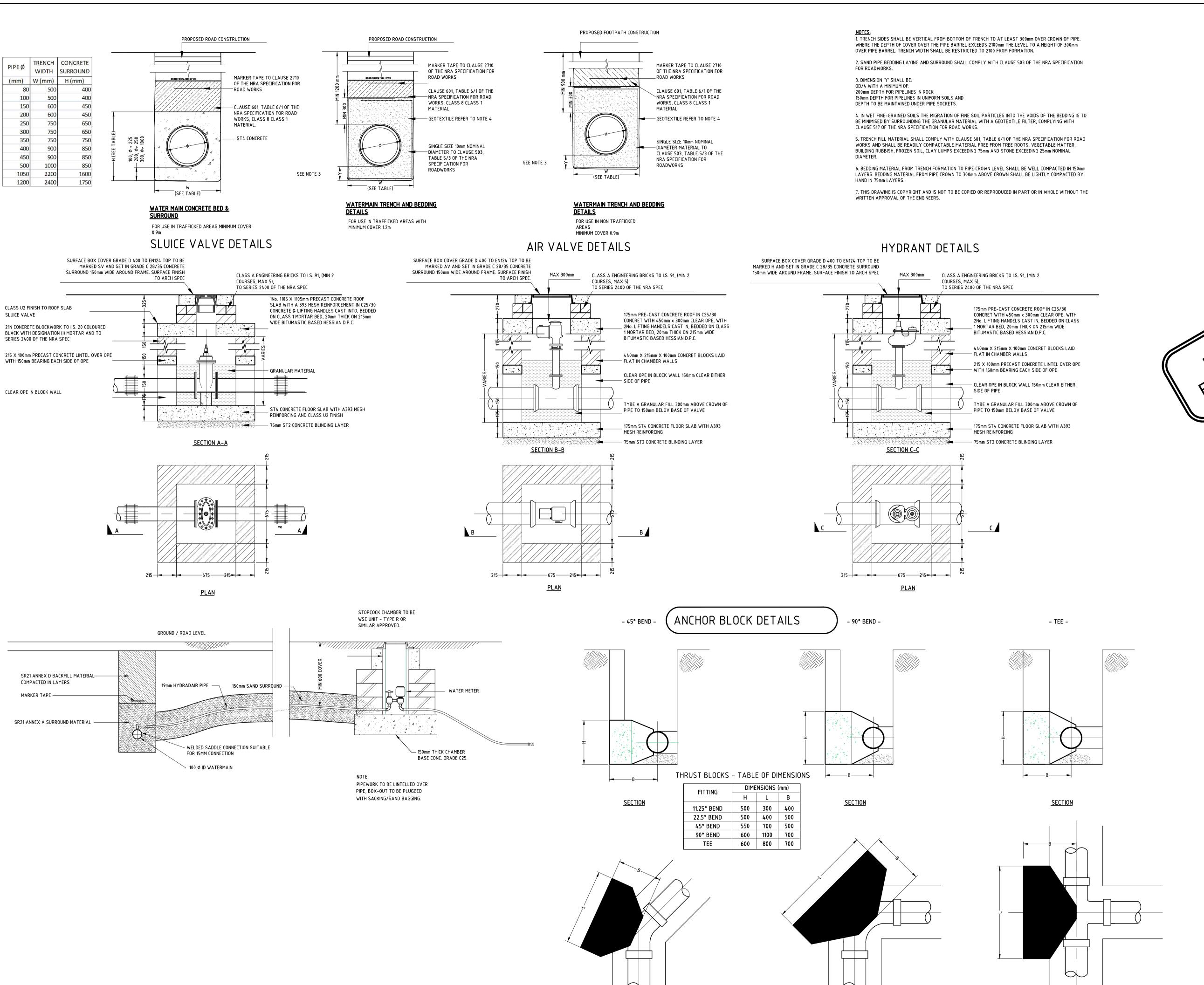
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SOCIAL HOUSING DEVELOPMENT AT MONTPELLIER, CO. LIMERICK

MANHOLE DETAILS

Drawn	Scale	Project Number	Rev
POR	AS SHOWN	100 22	│ 、
Chkd.	Date	108-33	
POR	12/2018	Drawing Number	+
Apprd.	Status	142	ΙΔ
EOD	DRAFT D1]] 142	1′



<u>PLAN</u>

<u>PLAN</u>

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NOTES:

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WHERE INDICATED. SEPARATE CONNECTIONS 150mm DIA. SHALL BE PROVIDED FOR EACH GULLY. NO GULLEY SHALL BE MORE THAN 10m FROM A SURFACE WATER CONNECTION.

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6. FOR SEWER LONG SECTIONS SEE DRAWING No.'s 130 SERIES
7. FOR ROAD CONSTRUCTION DETAILS SEE DRG. No. 151.

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8. FOR MANHOLE DETAILS SEE DRG. No. 152.
9. FOR PIPE REDDING DETAILS SEE DRG. No. 153

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T1 BE CONCRETE PIPES COMPLYING WITH I.S. 6 & I.S. 166 OR B.S. 5911.

NOT TO BE USELON) NOT CONSTRUCTION) FOR CONSTRUCTION)

Client DESCRIPTION BY/CHKD/APPR

Limerick
CITY & COUNTY
COUNCIL

PHM Consulting

Civil - Structural - Environmental

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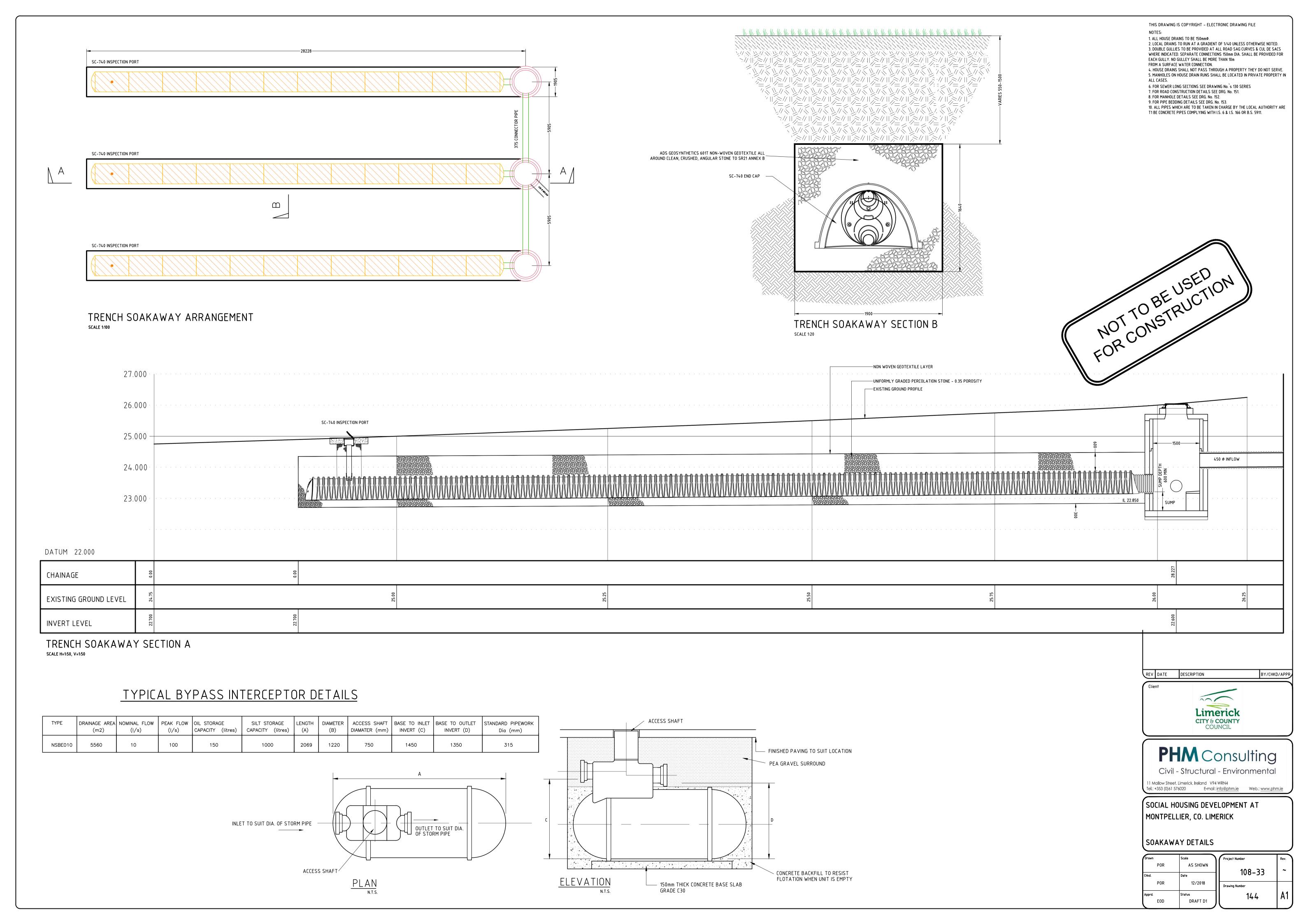
Tel.: +353 (0)61 576020 E-mail: <u>info@phm.ie</u> Web.: <u>www.phm.ie</u>

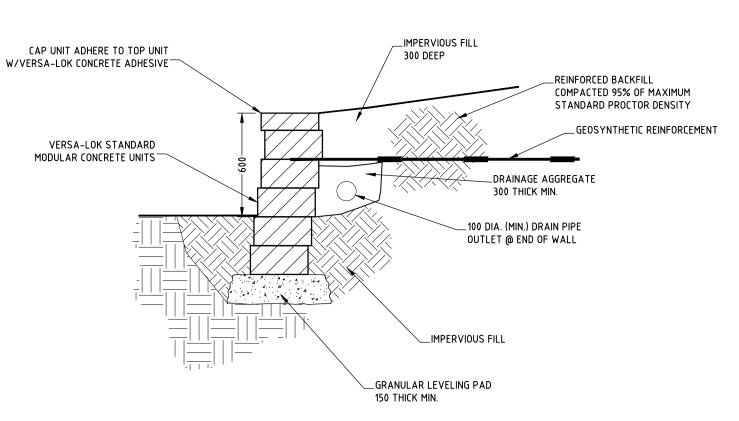
SOCIAL HOUSING DEVELOPMENT AT MONTPELLIER, CO. LIMERICK

WATERMAIN DETAILS

<u>PLAN</u>

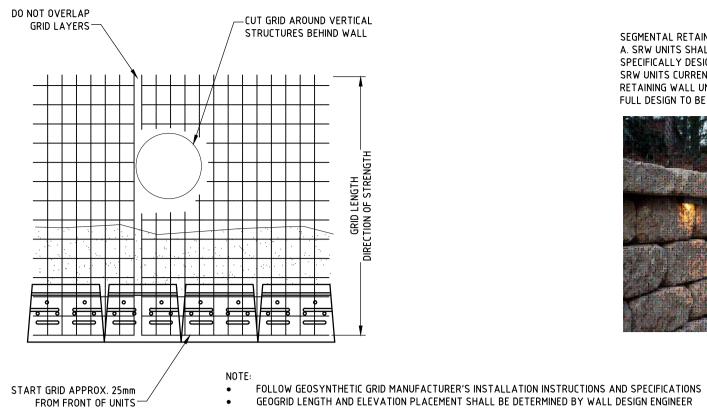
rawn	Scale	Project Number	Rev.
POR	AS SHOWN	108-33	-
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POR	12/2018	Drawing Number	
oprd.	Status	143	A1
EOD	DRAFT D1]]	1 ′ ′ ′





TYPICAL SECTION-REINFORCED RETAINING WALL

MODULAR CONCRETE UNIT SCALE: 1:20



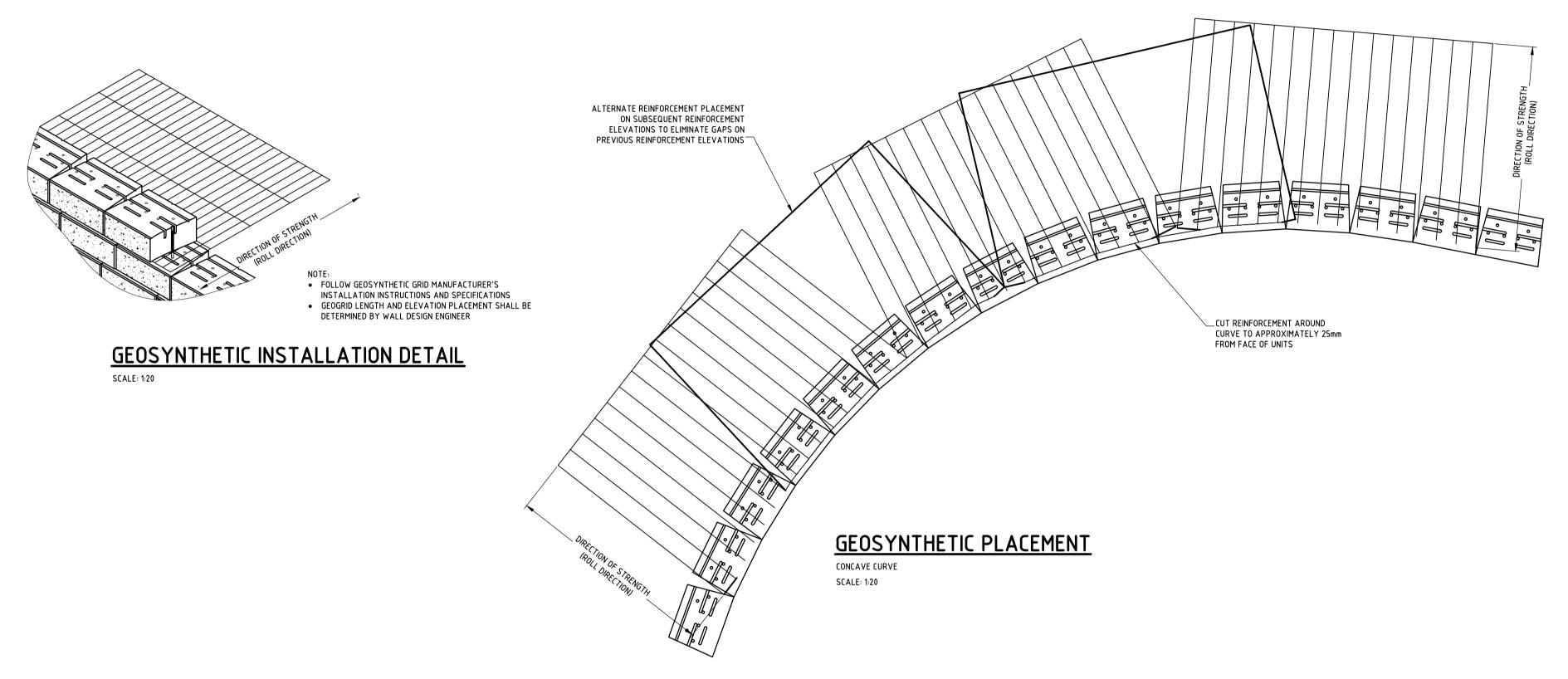
SEGMENTAL RETAINING WALL UNITS A. SRW UNITS SHALL BE MACHINE-FORMED, PORTLAND CEMENT CONCRETE BLOCKS SPECIFICALLY DESIGNED FOR RETAINING WALL APPLICATIONS. SRW UNITS CURRENTLY APPROVED FOR THIS PROJECT ARE: VERSA-LOK STANDARD RETAINING WALL UNITS AS MANUFACTURED BY MARSHALL STONE. FULL DESIGN TO BE PROVIDED IN ADVANCE FOR APPROVAL OF ENGINEERS.

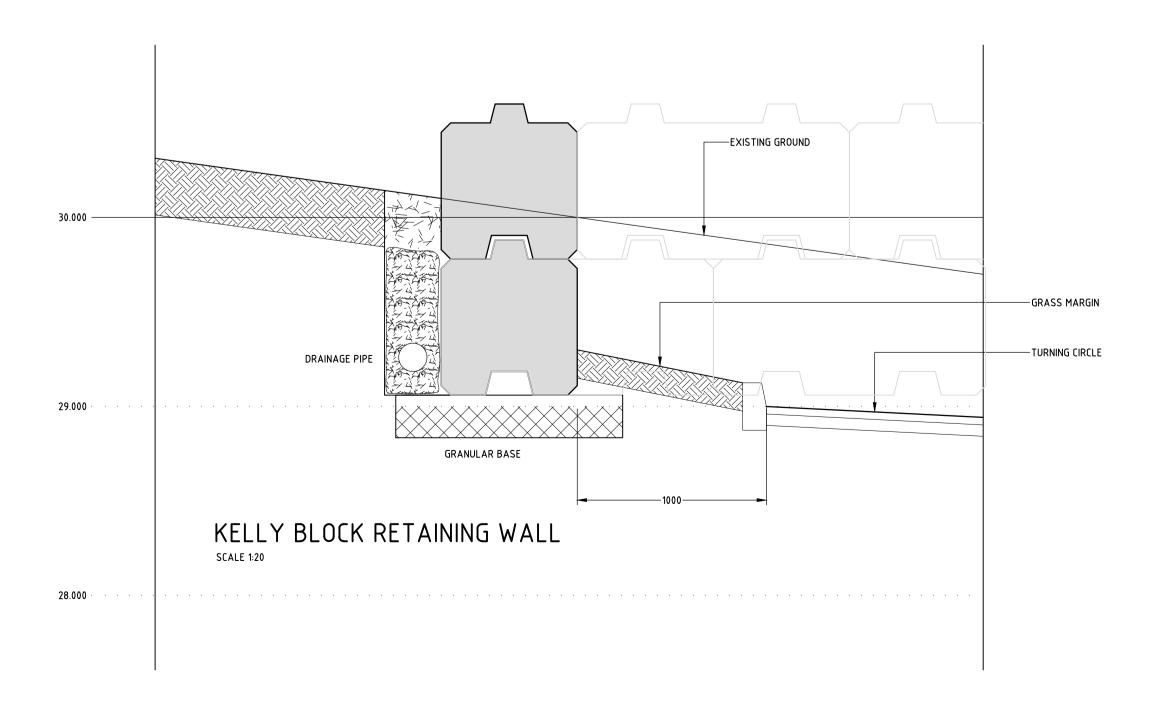


GEOGRID LENGTH AND ELEVATION PLACEMENT SHALL BE DETERMINED BY WALL DESIGN ENGINEER

GEOSYNTHETIC AT STRUCTURES BEHIND WALL

SCALE: 1:20





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BY/CHKD/APPR

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SOCIAL HOUSING DEVELOPMENT AT MONTPELLIER, CO. LIMERICK

RETAINING WALL DETAILS

Drawn	Scale	Project Number	Rev.
POR	AS SHOWN	100 22	~
Chkd.	Date	108-33	
POR	12/2018	Drawing Number	1
Apprd.	Status	145	A
EOD	DRAFT D1)(1.,