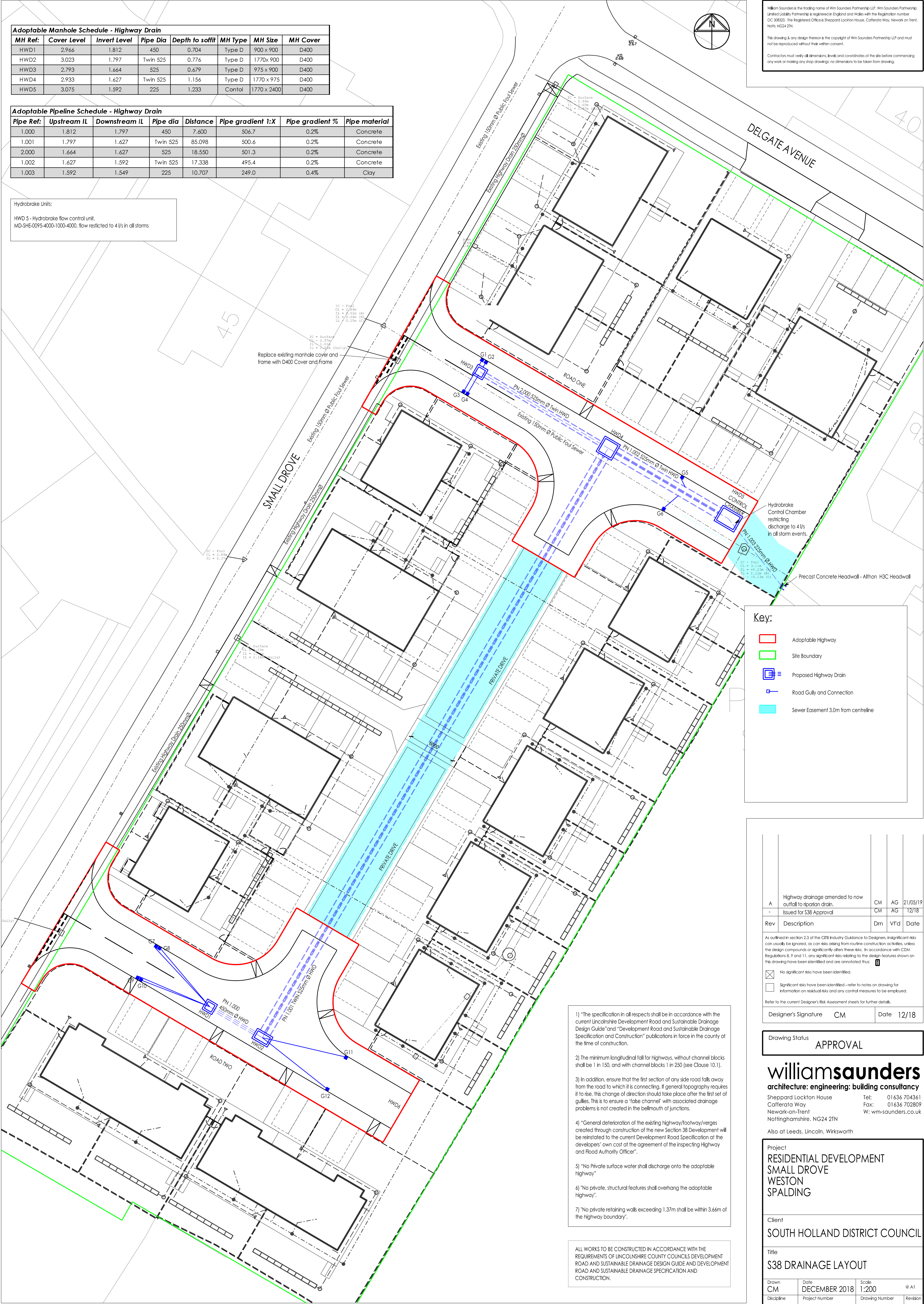


Adoptable Manhole Schedule - Highway Drain							
MH Ref:	Cover Level	Invert Level	Pipe Dia	Depth to soffit	MH Type	MH Size	MH Cover
HWD1	2.966	1.812	450	0.704	Type D	900 x 900	D400
HWD2	3.023	1.797	Twin 525	0.776	Type D	1770x 900	D400
HWD3	2.793	1.664	525	0.679	Type D	975 x 900	D400
HWD4	2.933	1.627	Twin 525	1.156	Type D	1770 x 975	D400
HWD5	3.075	1.592	225	1.233	Contol	1770 x 2400	D400

Adoptable Pipeline Schedule - Highway Drain							
Pipe Ref:	Upstream IL	Downstream IL	Pipe dia	Distance	Pipe gradient 1:X	Pipe gradient %	Pipe material
1.000	1.812	1.797	450	7.600	506.7	0.2%	Concrete
1.001	1.797	1.627	Twin 525	85.098	500.6	0.2%	Concrete
2.000	1.664	1.627	525	18.550	501.3	0.2%	Concrete
1.002	1.627	1.592	Twin 525	17.338	495.4	0.2%	Concrete
1.003	1.592	1.549	225	10.707	249.0	0.4%	Clay

Hydrobrake Units:
HWD 3 - Hydrobrake flow control unit,
MD-SHE-0095-4000-1000-4000, flow restricted to 4 l/s in all storms



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Contractors must verify all dimensions, levels and co-ordinates of the site before commencing any work or making any shop drawings: no dimensions to be taken from drawing.

- Key:
- Adoptable Highway
 - Site Boundary
 - Proposed Highway Drain
 - Road Gully and Connection
 - Sewer Easement 3.0m from centreline

A	Highway drainage amended to now outfall to riparian drain.	CM	AG	21/05/19
-	Issued for S38 Approval	CM	AG	12/18
Rev	Description	Drn	Vfd	Date
As outlined in section 2.3 of the CIB Industry Guidance to Designers, insignificant risks can usually be ignored, as can risks arising from routine construction activities, unless the design compounds or significantly alters these risks. In accordance with CDM Regulations 8, 9 and 11, any significant risks relating to the design features shown on this drawing have been identified and are annotated thus:				
☒	No significant risks have been identified.			
☐	Significant risks have been identified - refer to notes on drawing for information on residual risks and any control measures to be employed.			
Refer to the current Designer's Risk Assessment sheets for further details.				
Designer's Signature		CM	Date 12/18	

Drawing Status

APPROVAL

williamsaunders
architecture: engineering: building consultancy
Sheppard Lockton House
Caffera Way
Newark-on-Trent
Nottinghamshire, NG24 2TN

Tel: 01636 704361
Fax: 01636 702809
W: wm-saunders.co.uk

Also at Leeds, Lincoln, Wirsbworth

Project RESIDENTIAL DEVELOPMENT SMALL DROVE WESTON SPALDING			
Client SOUTH HOLLAND DISTRICT COUNCIL			
Title S38 DRAINAGE LAYOUT			
Drawn CM	Date DECEMBER 2018	Scale 1:200	@ A1
Discipline CIVILS	Project Number 11505	Drawing Number (9)06	Revision A

- "The specification in all respects shall be in accordance with the current Lincolnshire Development Road and Sustainable Drainage Design Guide" and "Development Road and Sustainable Drainage Specification and Construction" publications in force in the county at the time of construction.
- The minimum longitudinal fall for highways, without channel blocks shall be 1 in 150, and with channel blocks 1 in 250 [see Clause 10.1].
- In addition, ensure that the first section of any side road falls away from the road to which it is connecting. If general topography requires it to rise, this change of direction should take place after the first set of gullies. This is to ensure a 'false channel' with associated drainage problems is not created in the bellmouth of junctions.
- "General deterioration of the existing highway/footway/verges created through construction of the new Section 38 Development will be reinstated to the current Development Road Specification at the developers' own cost at the agreement of the inspecting Highway and Flood Authority Officer".
- "No Private surface water shall discharge onto the adoptable highway"
- "No private, structural features shall overhang the adoptable highway".
- "No private retaining walls exceeding 1.37m shall be within 3.66m of the highway boundary".

ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF LINCOLNSHIRE COUNTY COUNCILS DEVELOPMENT ROAD AND SUSTAINABLE DRAINAGE DESIGN GUIDE AND DEVELOPMENT ROAD AND SUSTAINABLE DRAINAGE SPECIFICATION AND CONSTRUCTION.