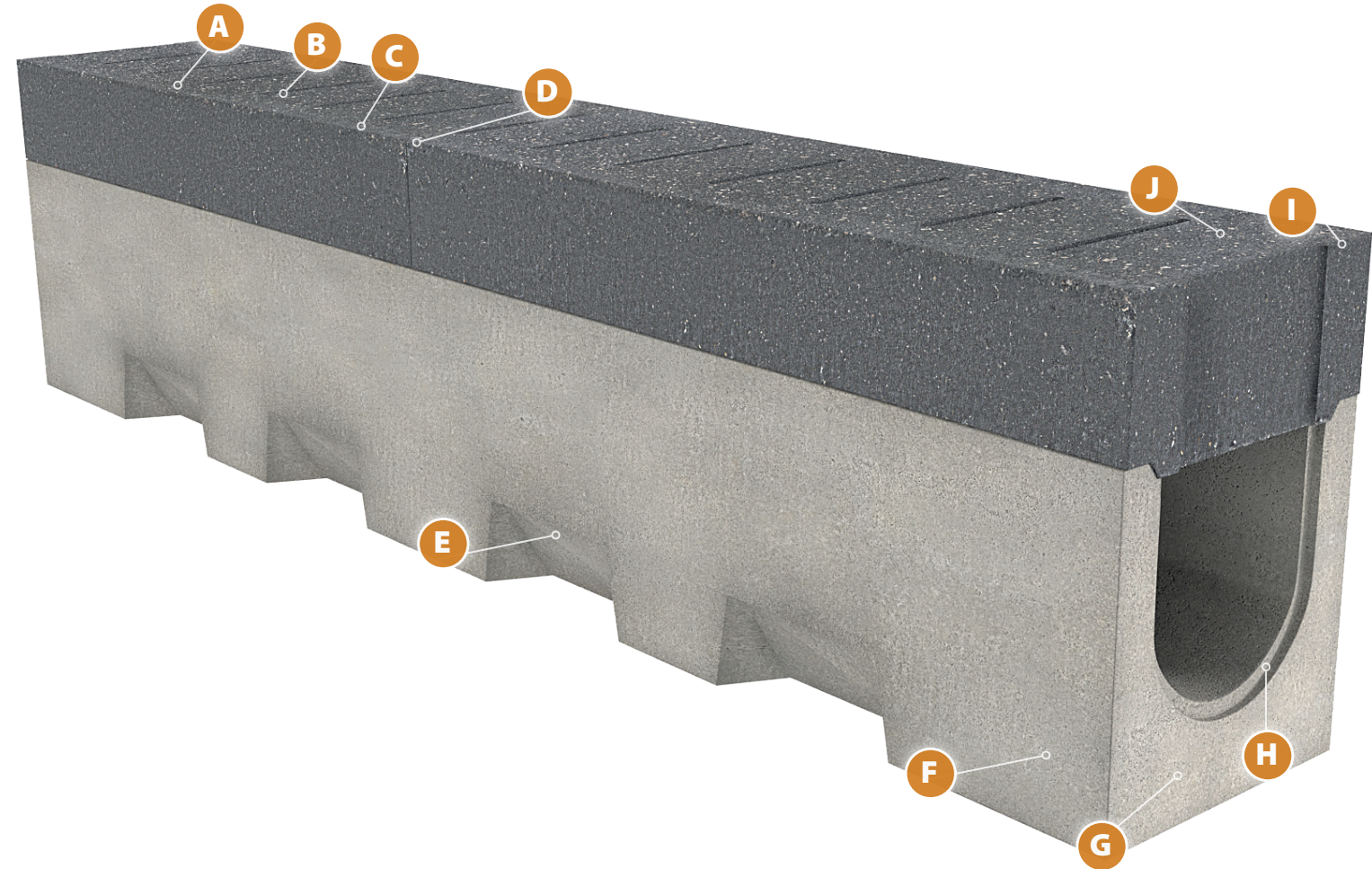


DREXUS PAVE DRAIN

PAVING DRAINAGE SYSTEM

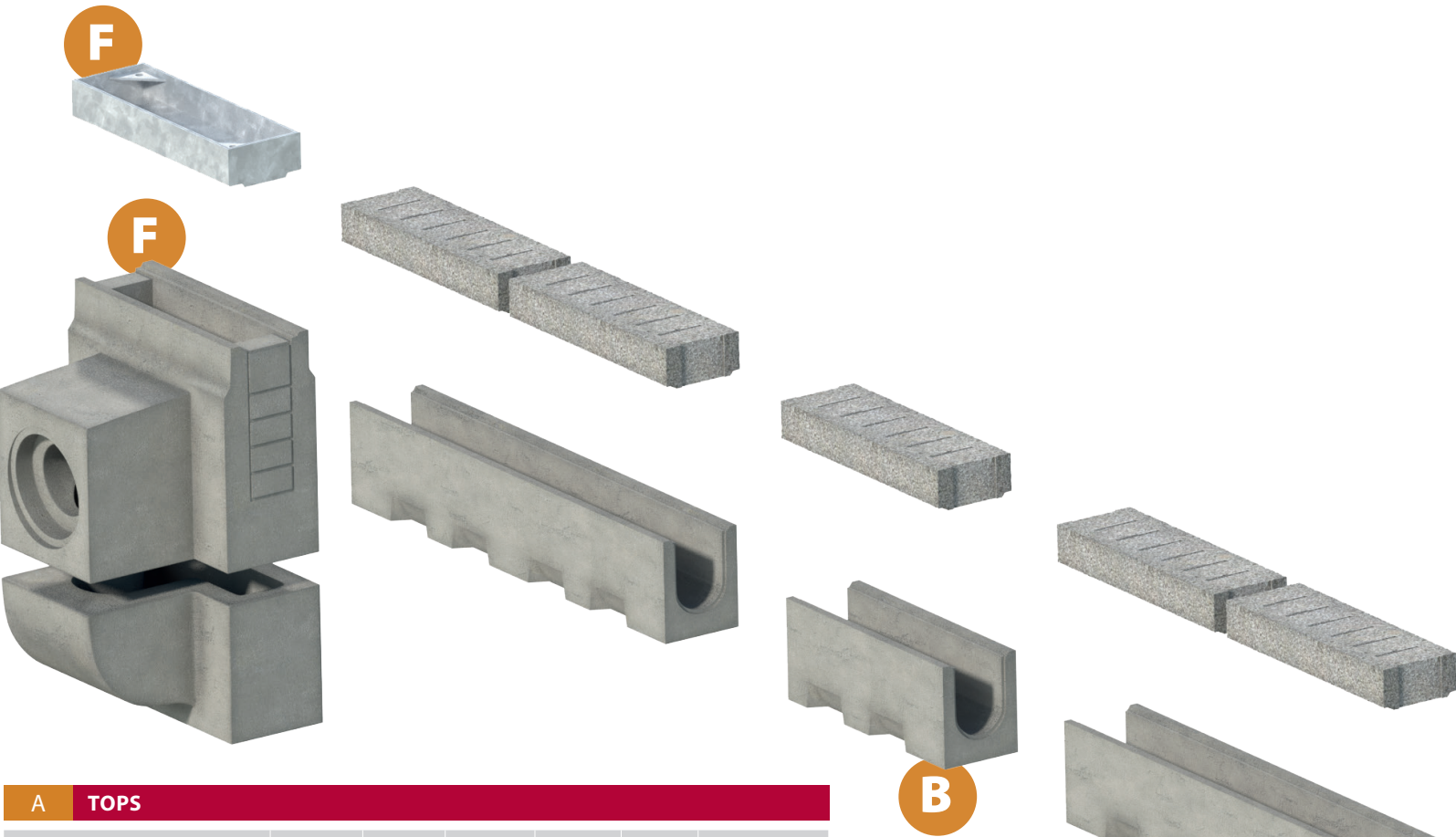


Marshall’s Drexus Pave Drain has the unique ability to provide a cost effective yet aesthetically pleasing drainage solution. A customisable top allows for the product to be suited to any environment with a choice of either concrete or natural stone.

The Pave Drain concept offers a natural stone or concrete upper section that incorporates innovative drainage slots sitting above a concrete channel allowing surface water to drain away effectively below the surface of the walkway.

Drexus Pave Drain has the potential to play a game-changing role in the world of landscape architecture offering a drainage solution with the ability to complement hard landscaping and seamlessly integrate into any public space.

A	B	C	D	E	F	G	H	I	J
Once installed the tops are locked into the surrounding hard landscape preventing theft	Divergent inlet apertures for ease of maintenance	Heelsure slot design for pedestrian safety	Diagonal recesses capture and direct water into the apertures	Channel design key the haunch to the channel providing a rigid install	Channel is available in 1000mm and 500mm lengths. Competitively priced against D400 Grates systems in the market place	Kite Mark certified to D400 loading BS EN 1433:2002	Sealant Groove for an easy water tight installation	Recess in the end of the units creates an extra aperture when installed with adjacent units	80mm (depth) Concrete top units with 3 finishes complementing the standard paved & tarmacked areas



A TOPS						
Top	Loading	Length (mm)	Width (mm)	Depth (mm)	Unit Weight (kg)	Horizontal Slot
Textured Grey	D400	500	160	80	15	DR544810
Textured Buff	D400	500	160	80	15	DR544820
Granite Silver Grey	D400	500	160	105	17	DR544840
Granite Mid Grey	D400	500	160	105	17	DR544850
Yorkstone Scoutmoor	D400	500	160	105	17	DR544860

B CONSTANT DEPTH CHANNELS							
Constant Depth Channels	Length (mm)	Width (mm)	Invert Width (mm)	Depth (mm)	Invert Depth (mm)	Unit Weight (kg)	Item Code
Channel 0/0	1000	160	100	154	104	37	DR541015
Channel 5/0	1000	160	100	179	129	45	DR541025
Channel 10/0	1000	160	100	204	154	53	DR541035
Channel 15/0	1000	160	100	229	179	61	DR541045
Channel 20/0	1000	160	100	254	204	69	DR541055
Channel 0/0	500	160	100	154	104	18.5	DR541515
Channel 5/0	500	160	100	179	129	22.5	DR541525
Channel 10/0	500	160	100	204	154	26.5	DR541535
Channel 15/0	500	160	100	229	179	30.5	DR541545
Channel 20/0	500	160	100	254	204	34.5	DR541555

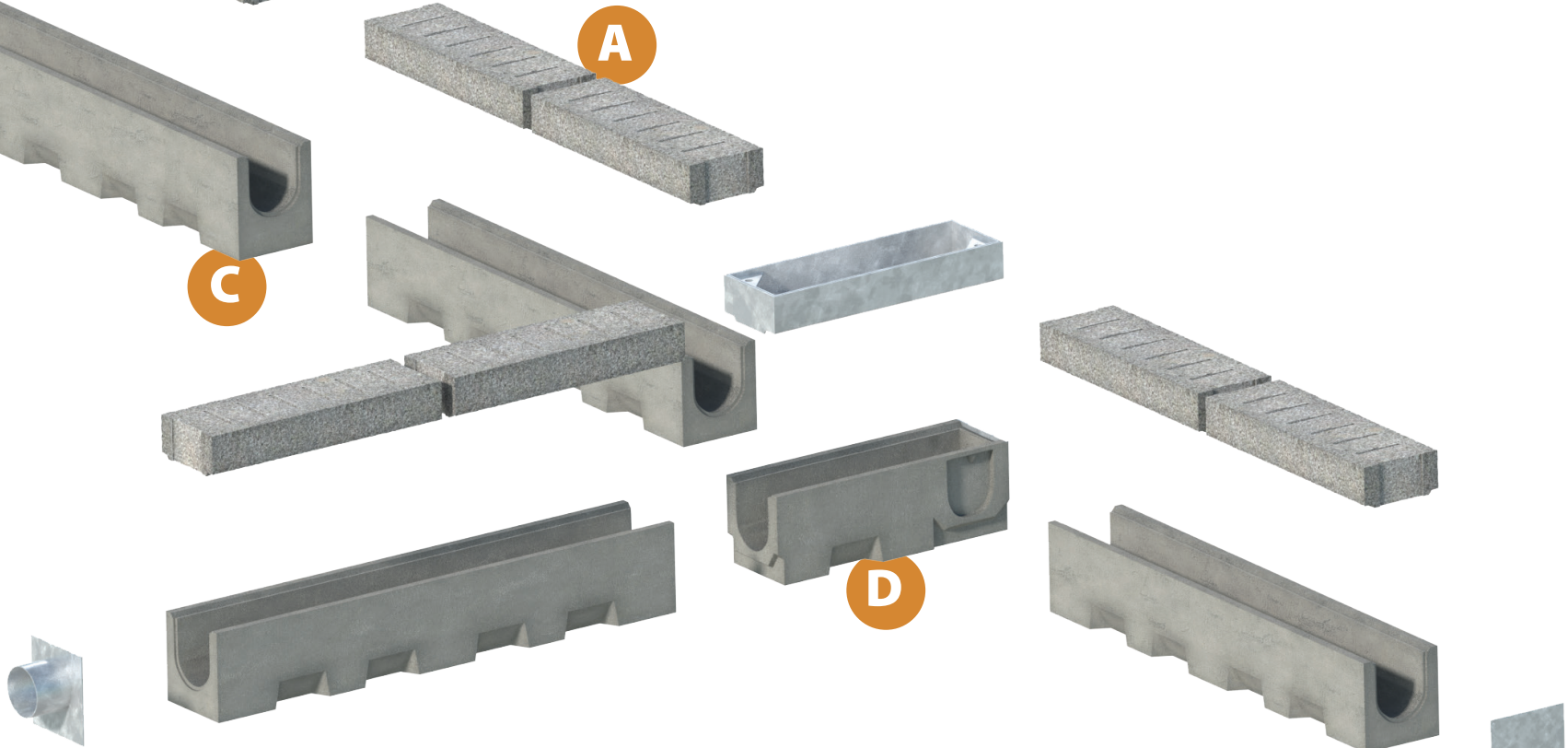
Drexus Pave Drain with reference numbers indicated in **bold** black are available ex-stock. Drexus Pave Drain with reference numbers indicated in light are manufactured to order. Contact our sales office to discuss your requirements.

C CHANNEL TRANSITIONS							
Channel Transitions	Length (mm)	Width (mm)	Invert Width (mm)	Depth (mm)	Invert Depth (mm)	Unit Weight (kg)	Item Code
0/0 - 5/0	1000	160	100	154/179	104/129	39	DR542110
5/0 - 10/0	1000	160	100	179/204	129/154	43	DR542120
10/0 - 15/0	1000	160	100	204/229	154/179	46	DR542130
15/0 - 20/0	1000	160	100	229/254	179/204	50	DR542140

Drexus Pave Drain Channels are available with transitions. Transition Channels increase drainage discharge capacity by improving flow rates and thereby increasing the overall discharge capacity of the system. Transition channels are 1000mm long.

D JUNCTION CHANNELS		
Junction Channels	Unit Weight (kg)	Item Code
Junction Channel 0/0 LH	19	DR543750
Junction Channel 0/0 RH	19	DR543755
Junction Channel 10/0 LH	27	DR543760
Junction Channel 10/0 RH	27	DR543765
Junction Channel 15/0 LH	35	DR543770
Junction Channel 15/0 RH	35	DR543775

E END CAP/CAP OUTLETS		
End Cap/Cap Outlets	Unit Weight (kg)	Item Code
End Cap 0/0	1	DR543210
End Cap 5/0	1.2	DR543220
End Cap 10/0	1.4	DR543230
End Cap 15/0	1.6	DR543240
End Cap 20/0	1.8	DR543250
Cap Outlet 0/0	1	DR543505
Cap Outlet 5/0	1.2	DR543515
Cap Outlet 10/0	1.4	DR543525
Cap Outlet 15/0	1.6	DR543535
Cap Outlet 20/0	1.8	DR543545



F OUTFALL & ACCESS COVERS		
Outfall & Access Covers	Unit Weight (kg)	Item Code
Side Outfall	137	DR543020
End Outfall	101	DR543025
Pave Drain Access Cover (Low)	10	DR544770
Pave Drain Access Cover (Nat Stone)	12	DR5447750

DERRIFORD HOSPITAL INTERCHANGE
Water Management Case Study



BACKGROUND

The road outside Derriford Hospital has been widened to allow buses to travel in both directions, helping to reduce congestion outside the main entrance and making bus journeys to and from the hospital quicker and more reliable. The scheme will provide better waiting areas for bus and taxi passengers and those getting dropped off or picked up by car, four additional bus stops will be installed, and footpaths widened to provide more space for waiting passengers.

Developed in partnership with Plymouth Hospitals NHS Trust, the scheme cost just over £2 million and was part funded through the heart of the South West Local Enterprise Partnership (LEP).

The Derriford Hospital Interchange scheme is part of a master plan of highway improvements on and around the city's 'northern corridor', connecting with the new Marjon Link Road and complementing other schemes such as the Derriford Transport Scheme, where construction has just got under way.

APPROACH

A cost effective lifetime cost was the key aspect of the project, along with a robust system which would never need to be replaced as there is a high level of trafficking within the area; Derriford hospital is Plymouth's 2nd busiest bus interchange, and the constant bus overrun meant a high loading drainage solution was crucial.

Pave Drain was chosen as it provides a cost-effective solution, which is robust enough to withstand frequent heavy vehicle overrun. Even with the heavy trafficking, the system will never need to be replaced keeping the lifetime costs extremely low.

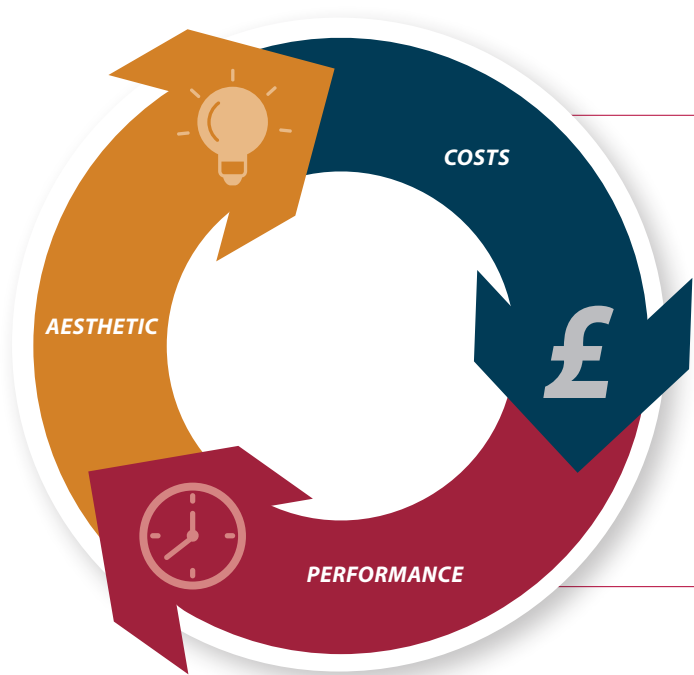
Through Marshalls' concrete expertise and heritage in natural stone, Pave Drain was developed to complement our most popular paving products. By having a coordinating top unit, the drainage can blend seamlessly with

the surrounding paving, with no need to break up the overall aesthetic with a traditional grated solution, whilst also retaining an excellent inlet and loading capacity.

Amey utilised Marshalls' complimentary design service for the drainage packaging of the scheme which ensured a fast turnaround. This was important as the scheme was delayed by 3-4 months before construction works could proceed, which affected travel in the surrounding area, so speed of construction was essential.

OUTCOME

Marshalls was ultimately able to deliver a drainage solution which met all the necessary requirements outlined by the client, and which is tough enough to withstand the heavy trafficking throughout its lifetime.



**MARSHALLS
DESIGN SERVICE**
DRIVING VALUE
THROUGH DESIGN

Marshall is committed to ensuring that the right system is selected, detailed, delivered and installed. The understanding that the right selection of linear drainage system is crucial to the function of any hard landscaped area therefore Marshalls Linear Drainage Team will work in partnership with the specifier, engineer and contractor, to become an integrated part of the design process, helping transform and deliver ideas into hydraulic designs matched to the individual project requirements to give total peace of mind.

IN-HOUSE DESIGN SUPPORT SERVICES

By use of our bespoke computer software the Design Team can plan realistic and rapid solutions to your drainage needs.

THE DESIGN TEAM WILL:

- Work with the project team to ensure the client's expectation are met
- Operate with either electronic (CAD) or hard copy drawings
- Assist in the selection of the most appropriate system
- Provide hydraulic data to support the adequacy of the selected system
- Provide schedule and / or layouts of the components as appropriate



"Our everyday goal is simple – Support the customer's performance and aesthetic design aspirations with a Commercial driven, value added Design support service, excelling through computer aided drawings, engineered solutions and technical advice"

Simon Waudby – Marshalls Design Manager



www.marshalls.co.uk/watermanagement

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