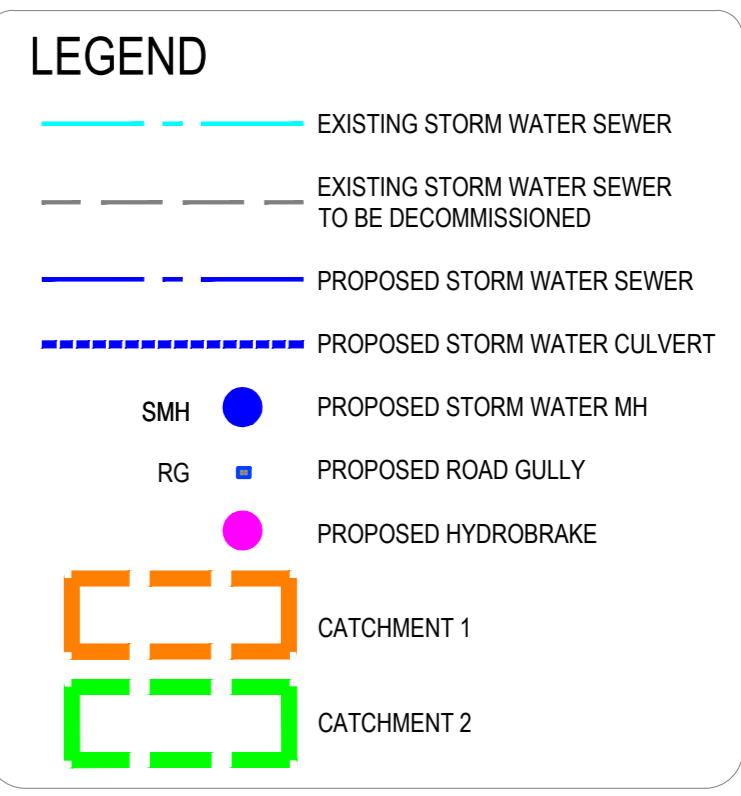


- NOTES:**
- REFER TO ARCHITECTS DRAWINGS FOR ALL SITE & APPLICATION BOUNDARIES
  - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS & ENGINEER'S DRAWINGS AND SPECIFICATIONS.
  - USE FIGURED DIMENSIONS ONLY. DO NOT SCALE
  - REFER TO SURVEY DRAWINGS FOR EXISTING SERVICES LAYOUTS AND MANHOLE INFORMATION
  - ALL EXISTING SURFACES TO BE REINSTATED FOLLOWING DIVERSION OF SERVICES/CONSTRUCTION OF NEW SERVICES
  - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LEVELS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER & ARCHITECT FOR RESOLUTION
  - CONTRACTOR TO ENSURE ALL WATER & WASTEWATER RELATED WORKS ARE IN ACCORDANCE WITH THE IRISH WATER WATER INFRASTRUCTURE & WASTEWATER INFRASTRUCTURE CODE OF PRACTICE & STANDARD DETAILS DOCUMENTS
  - TESTING OF ALL GRAVITY SEWERS AND MANHOLES TO BE IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE SECTION 4.10 TESTING OF GRAVITY SEWERS & MANHOLES

- NOTE 1: MANHOLE COVER LEVELS ARE APPROXIMATE. ACTUAL COVER LEVELS SHOULD MATCH SURROUNDING FINISHED GROUND LEVELS U.N.O.
- NOTE 2: PIPES WITH LESS COVER THAN
- 600mm FOR GRASSED AREAS
  - 900mm FOR FOOTPATHS
  - 1200mm FOR ROADS
- NEED TO BE ENCASED IN A MIN. 150mm THK. CONCRETE SURROUND
- NOTE 3: FOR TYPICAL DRAINAGE DETAILS REFER TO DRAWING OLDCEL-DOB-00-SI-DR-C-0090



NEW 450mm Ø SW CULVERT LAID @ 1:350 AVERAGE GRADIENT ADJACENT TO PROPOSED 450mm Ø SW PIPE

REFER TO DRAWING C-0110 FOR TYPICAL SECTION / DETAILS

200m<sup>2</sup> OF OVERGROUND RETENTION POND TO STORE UP TO A 1 IN 100 YEAR STORM EVENT

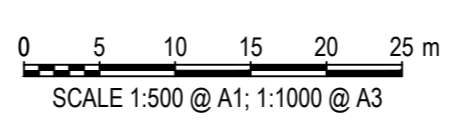
HIGH LEVEL OVERFLOWS TO RETENTION PONDS

300m<sup>2</sup> OF OVERGROUND RETENTION POND TO STORE UP TO A 1 IN 100 YEAR STORM EVENT

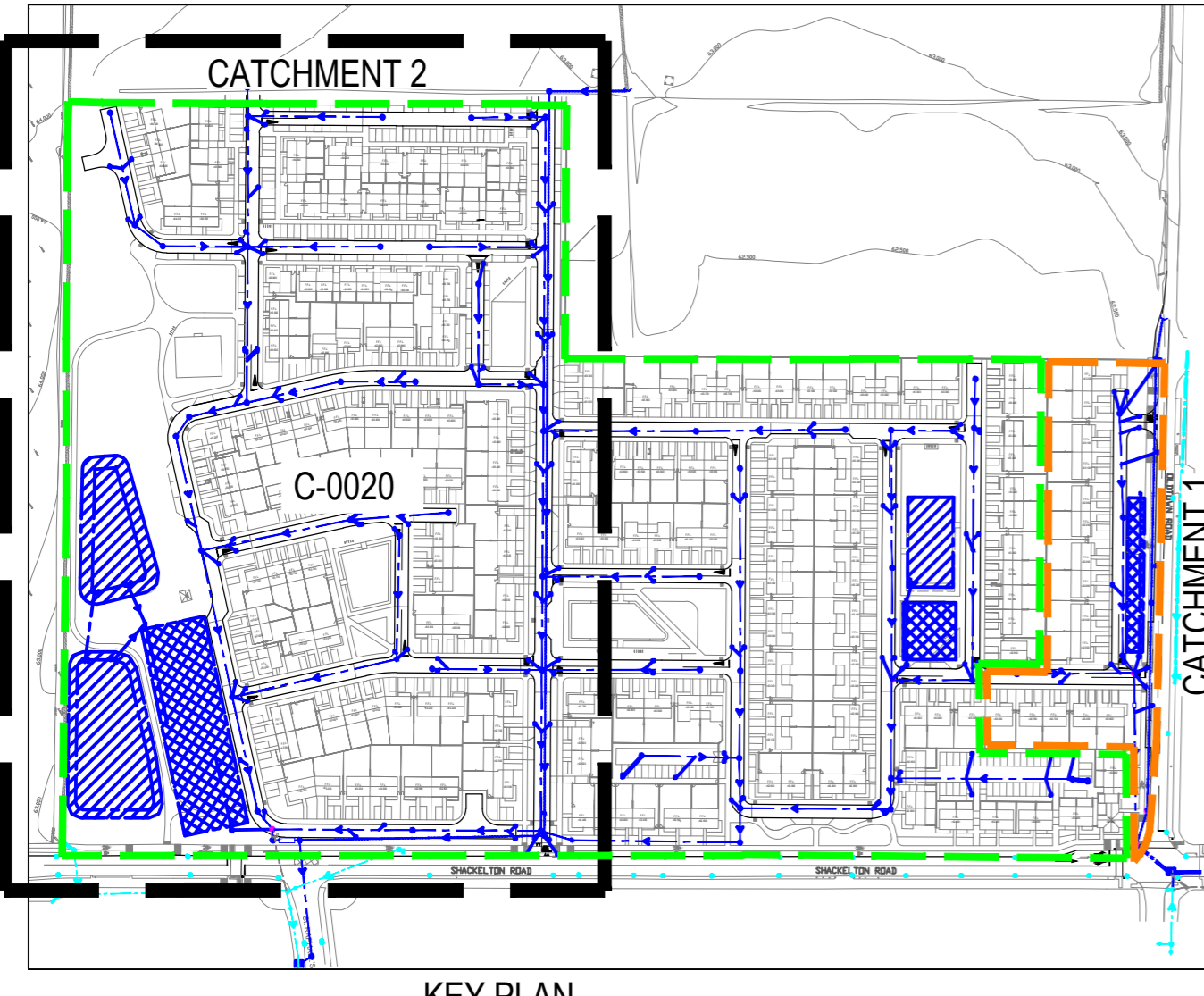
1300m<sup>2</sup> OF UNDERGROUND STORMTECH SC-740 ATTENUATION TO STORE UP TO A 1 IN 30 YEAR STORM EVENT

\*HYDROBRAKE LIMITED TO 22.0 l/s AS PER Qbar CALCULATIONS

KINGSPAN BYPASS SEPARATOR NSBE075 (OR SIMILAR APPROVED)



**PLANNING ISSUE**



S2.P01	ISSUED FOR PLANNING	11.12.2018	KD	AL
Rev.	Note	Date	Drawn	Check
<b>DONNACHADH O'BRIEN &amp; ASSOCIATES CONSULTING ENGINEERS</b>		UNIT 5C ELM HOUSE MILLENNIUM PARK NAAS CO. KILDARE		PHONE +353 45 984 042  INFO@DOBRIEN-ENGINEERS.IE WWW.DOBRIEN-ENGINEERS.IE
Client: O'FLYNN CONSTRUCTION CO. UNLIMITED COMPANY				
Project: OLDTOWN ROAD, CELBRIDGE				
Drawing Title: PROPOSED SURFACE WATER DRAINAGE - SHEET 1 OF 2				
Drawn By: KD	Checked By: AL	Approved By: AL	Date: JAN '18	Scale: 1:500
Project Number: DOBA1704	Drawing Number: OLDCEL-DOB- 00-SI- DR-C-0020	Status Code: S2	Rev Number: P01	