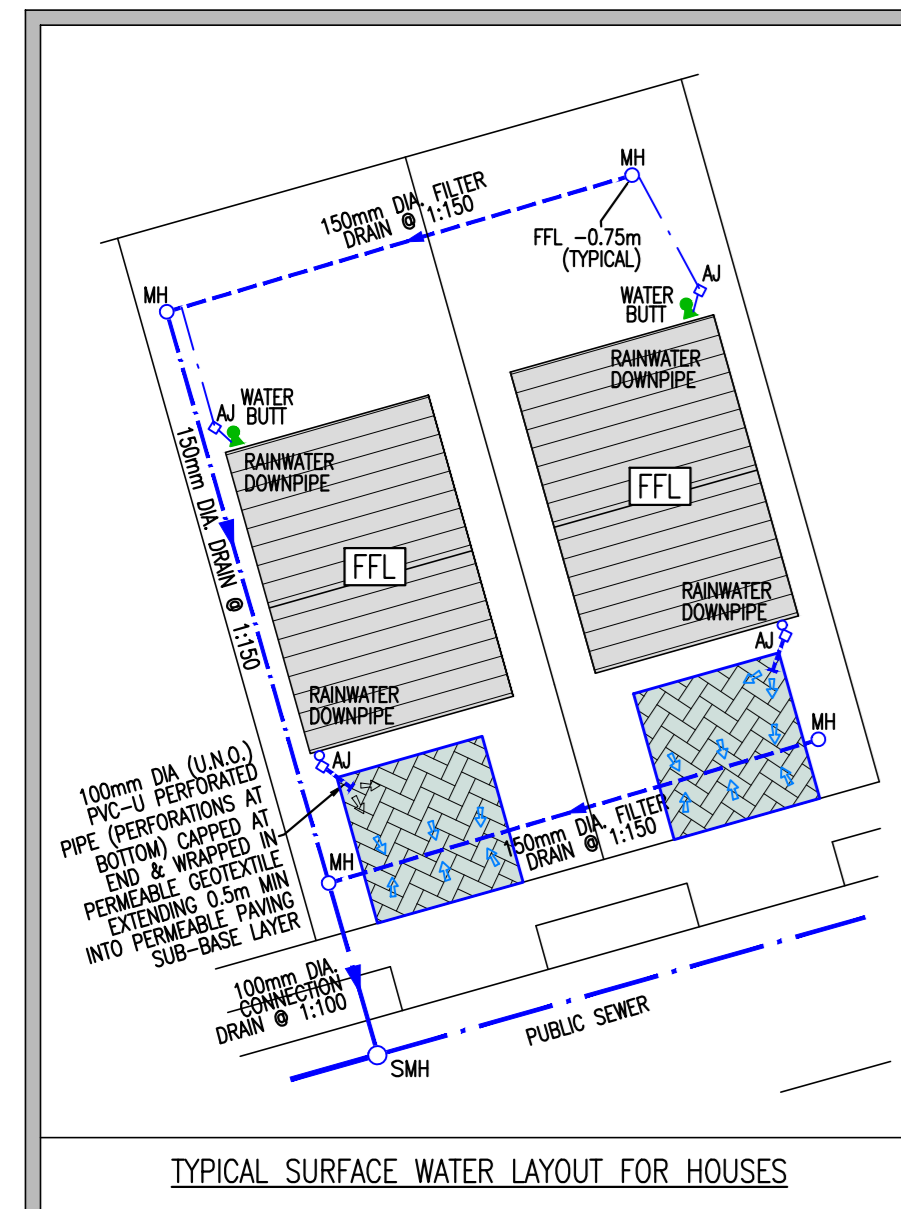
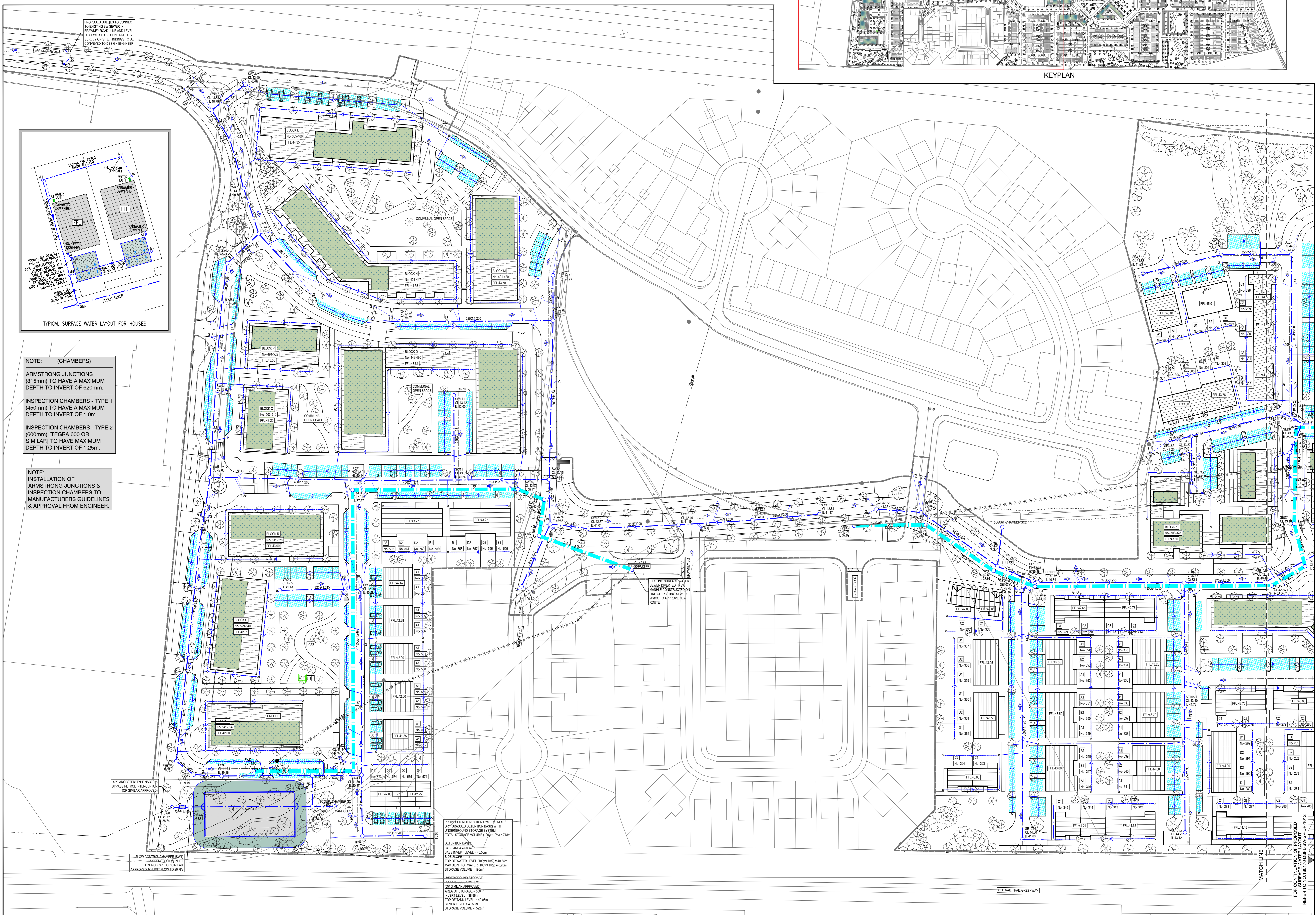
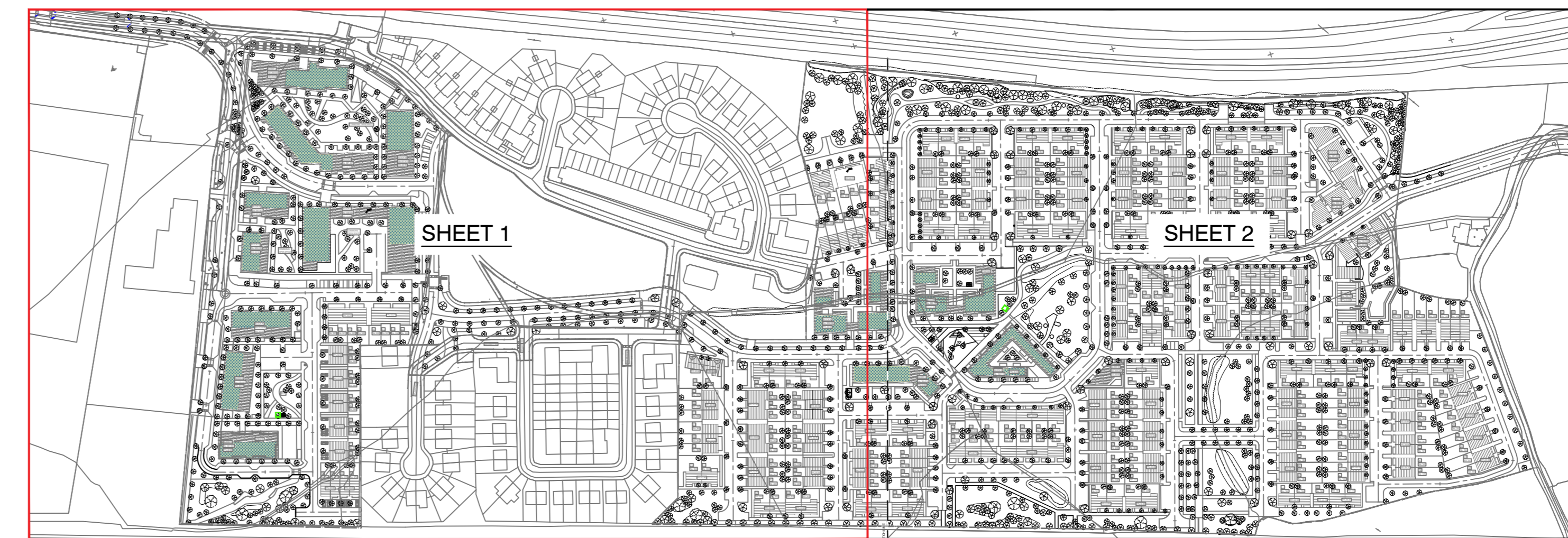


- NOTES:**
1. ALL DIMENSIONS AND LEVELS IN METRES, EXCEPT IF NOTED OTHERWISE.
 2. ALL LEVELS TO MAIN HEAD DATUM.
 3. COORDINATE SYSTEM IS FROM TRANSVERSE MERIDIAN.
 4. REFER TO ARCHITECT'S PLANS/LAYOUTS FOR SITE BOUNDARY / CLIENT OWNERSHIP BOUNDARY / WORKS BOUNDARY.
- SURFACE WATER**
1. LEVEL, POSITION AND CONDITION OF ALL EXISTING SERVICES ARE TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION AND FINDINGS CONVEYED TO THE DESIGN ENGINEER.
 2. DRAIN CONNECTIONS FROM BUILDINGS TO BE MINIMUM 150mm U.N.D. @ 1:100.
 3. ALL MAN SERVICES WITH LESS THAN 12H COVER UNDER ROADS AND 9H COVER UNDER GRAZED AREAS AND FOOTPATHS TO BE SURROUNDED IN 150mm CO CONCRETE.
 4. ALL PUBLIC SURFACE WATER SERVICES TO BE MINIMUM 225mm DIA.
 5. MAXIMUM SIZE OF PVC AND TWINWALLED PIPES TO BE 375mm ABOVE THIS CONCRETE PIPES TO BE USED.
 6. MANHOLES, A&S AND SERVICE COVERS LOCATED IN ROAD PAVED OR PAVING SLAB AREAS ARE TO HAVE RECESSED COVERS TO RECEIVE PAVING TO MATCH ADJACENT PAVING MATERIALS.
 7. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH:
 - TS SPECIFICATION FOR ROADWORKS
 - GREATER DUBLIN COE OF PRACTICES FOR DRAINAGE WORKS
 - RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS
 8. ALL COVERS IN PUBLIC AREAS ARE TO BE ON 12H DRAINABLE, NOTED OTHERWISE A NON-LOOKABLE.
 9. CE CERTIFICATION TO BE PROVIDED FOR ALL PRODUCTS COVERED BY THE EU CONSTRUCTION PRODUCTS REGULATION NO 3052011/CPR.
 10. ALL MATERIALS PROPOSED FOR USE ON SITE TO BE APPROVED PRIOR TO ARRIVAL ON SITE.



NOTE: (CHAMBERS)

ARMSTRONG JUNCTIONS (315mm) TO HAVE A MAXIMUM DEPTH TO INVERT OF 620mm.

INSPECTION CHAMBERS - TYPE 1 (450mm) TO HAVE A MAXIMUM DEPTH TO INVERT OF 1.0m.

INSPECTION CHAMBERS - TYPE 2 (600mm) (TEGRA 600 OR SIMILAR) TO HAVE MAXIMUM DEPTH TO INVERT OF 1.25m.

NOTE:

INSTALLATION OF ARMSTRONG JUNCTIONS & INSPECTION CHAMBERS TO MANUFACTURERS GUIDELINES & APPROVAL FROM ENGINEER.

- PROPOSED SERVICES:**
- HOUSE NO & TYPE
 - ROAD EDGE
 - FOOTPATH EDGE
 - ROAD CENTRELINE
 - APPLICATION BOUNDARY
 - 150mm SURFACE WATER SEWER MANHOLE
 - 225mm SURFACE WATER SEWER
 - 375mm SURFACE WATER SEWER OVERSIGHT
 - 150mm SURFACE WATER DRAIN
 - 225mm SURFACE WATER DRAIN MANHOLE
 - 150mm FILTER DRAIN
 - EL+99.90 ENTRY INVERT LEVEL SURFACE WATER ROAD GULLY
 - K5 KERB INLET GULLY
 - HEADWALL
 - DEFLECTION + FLOWLINE CURVE ATTENUATION TANK
 - PETROL INTERCEPTOR
 - PERMEABLE PAVING
 - GREEN ROOF
 - OVERLAND FLOW DIRECTION
- EXISTING SERVICES:**
- EX. 225mm SURFACE WATER SEWER
 - EX. 150mm SURFACE WATER SEWER MANHOLE
 - EX. 375mm SURFACE WATER SEWER TO BE DEMOUNTED AND REMOVED

ORDNANCE SURVEY IRELAND LICENCE
© ORDNANCE SURVEY IRELAND
GOVERNMENT OF IRELAND

DATE	25/01/2022	ISSUED FOR PLANNING	KSJ	LMCL
BY	DBFL	REVISION	BY	DBFL
client approval	A - Approved	B - Approved with amendments	C - Do not use	
intention	PLANNING	purpose		

DBFL Consulting Engineers
Civil & Structural Engineering

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PROJECT: LISHWOLLEN RESIDENTIAL DEVELOPMENT AT BRANNY ROAD, LISHWOLLEN, ATHONE, CO. WESTMIDLAND

DRAWING NO: SURFACE WATER LAYOUT - SHEET 1 OF 2

DESIGNED BY: KSJ
CHECKED BY: LMCL
DATE: 25/01/2022

DELPHI ARCHITECTS

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