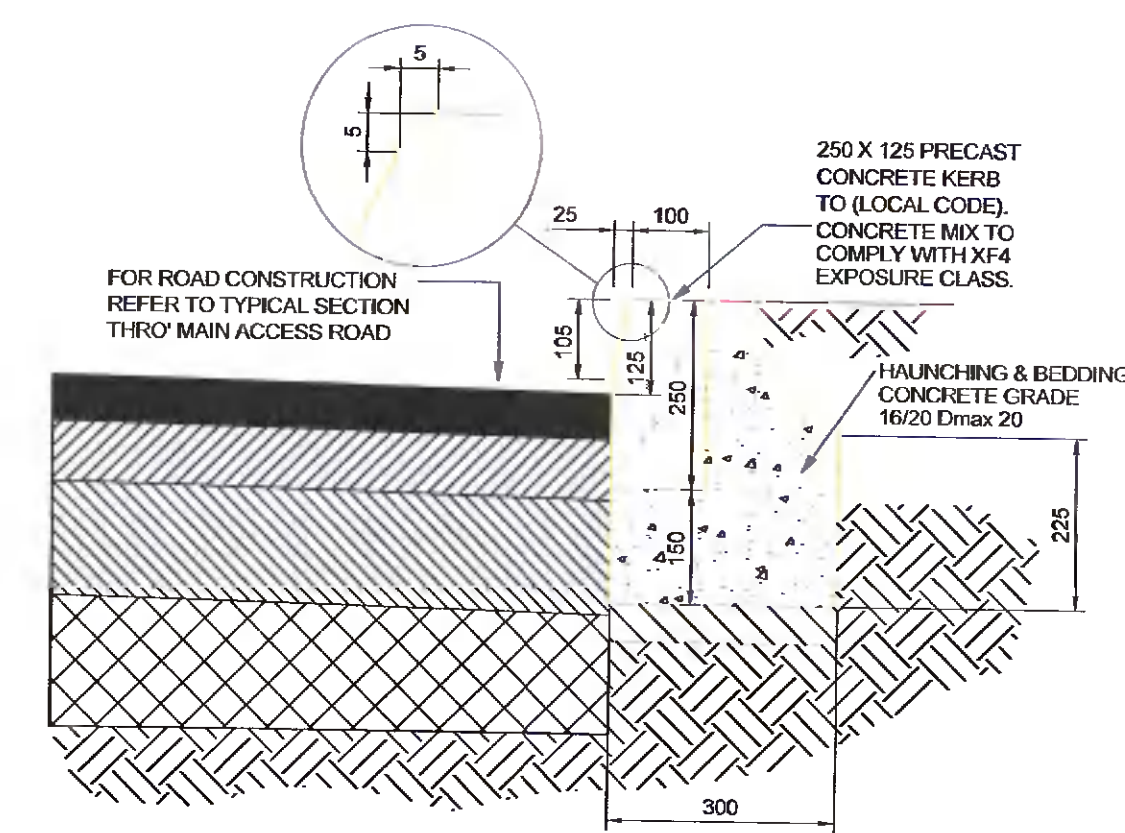
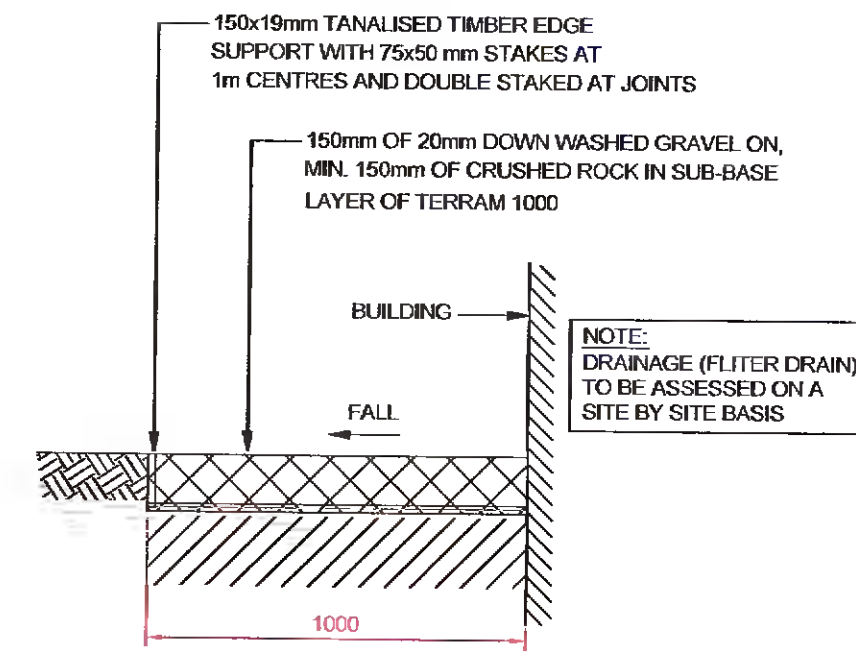
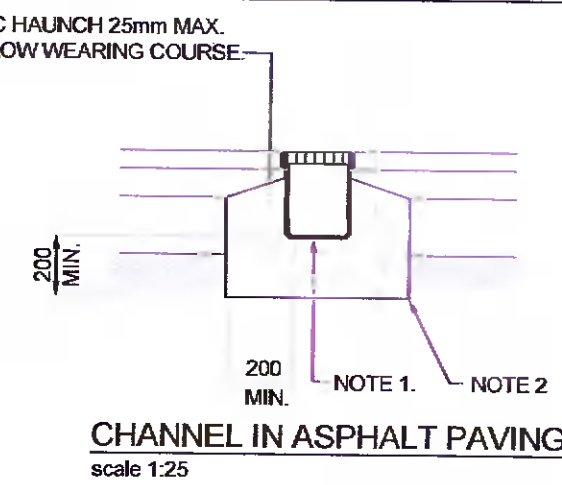
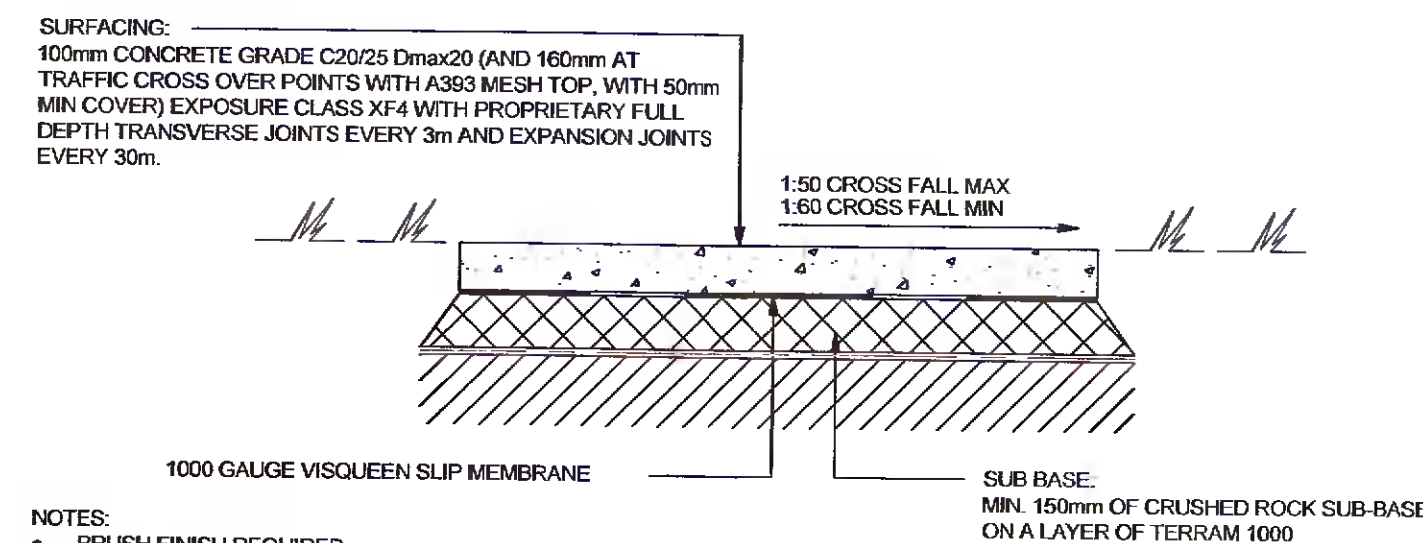
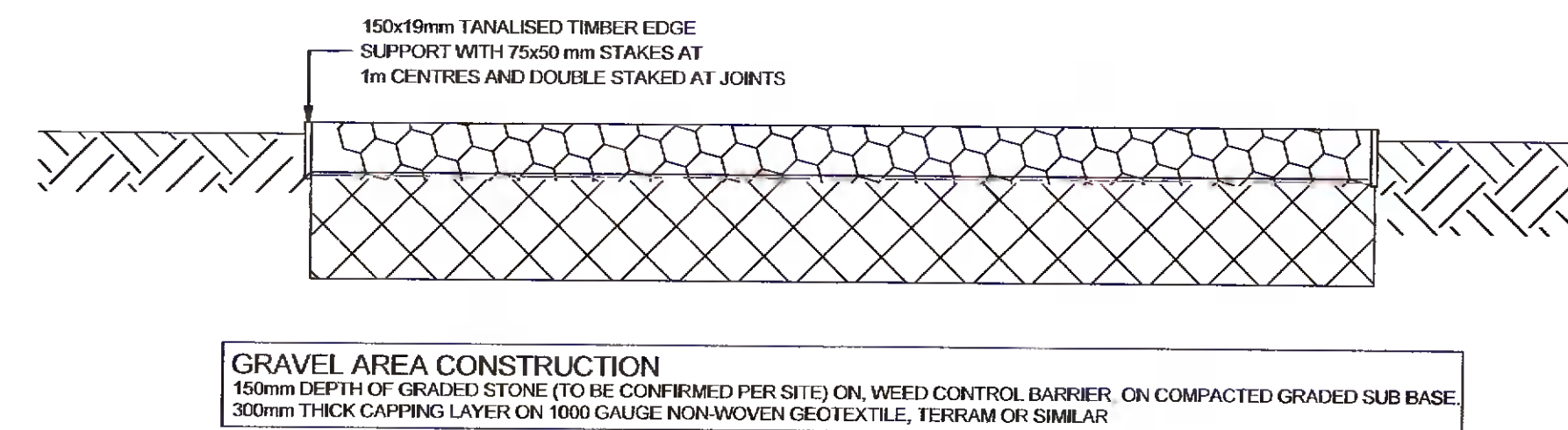


NOTE 1: PREFABRICATED DRAIN CHANNEL SYSTEM BY "ACO" OR APPROVED EQUAL WIDTH OF CHANNEL TO BE 100, 150 OR 200mm AS SPECIFIED ON PLANS GRATING AND SEATING SHALL BE CORROSION PROTECTED DUCTILE IRON U.N.O. ALL SYSTEMS SHALL BE HEAVY DUTY (CLASS D 400 OR BETTER TO BS EN 124) U.N.O.

NOTE 2: CONCRETE BED AND HALNCH C25 MIN.



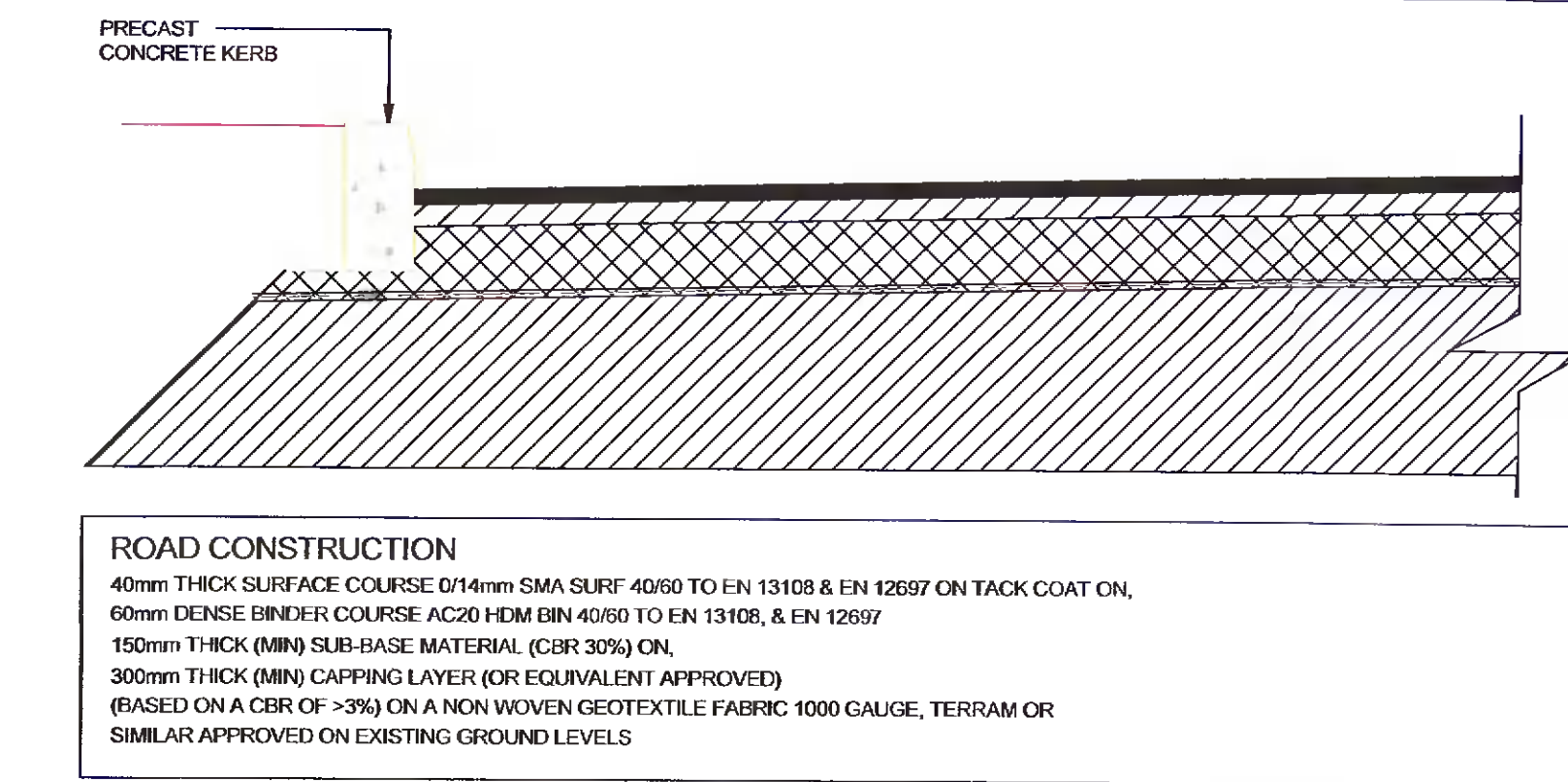
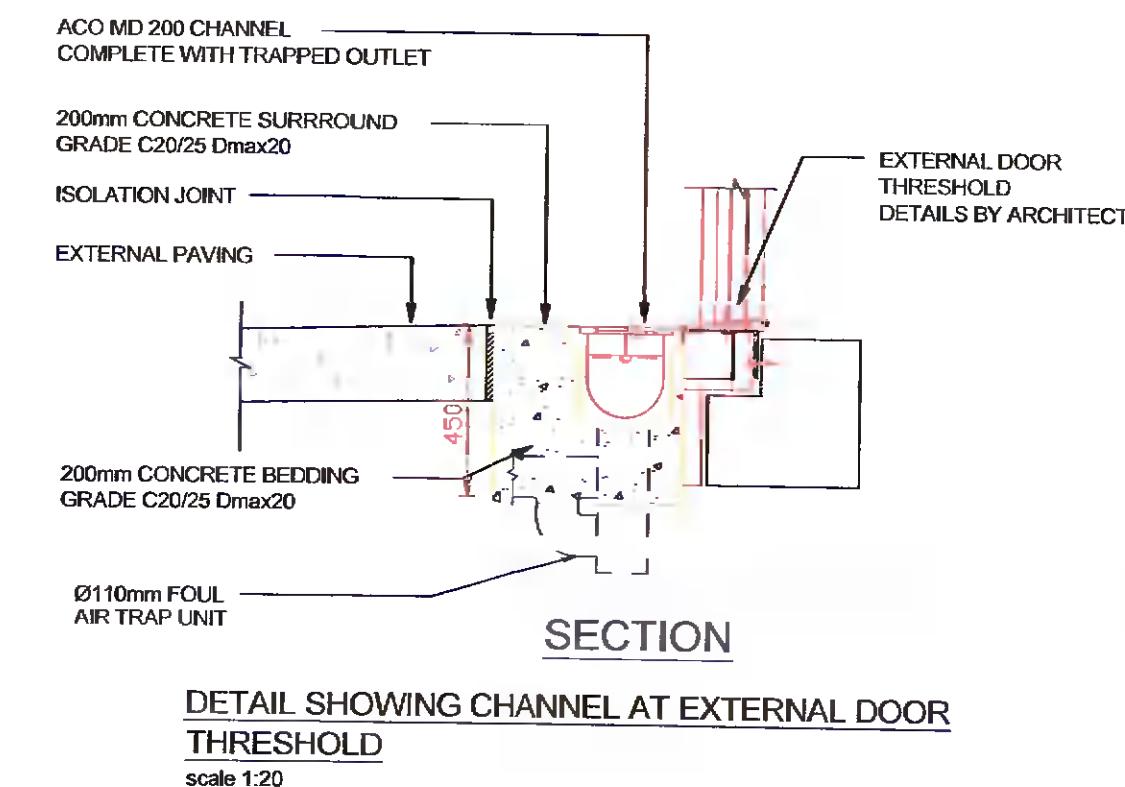
- Notes:
- All dimensions to be checked on site. Engineer to be informed immediately of any discrepancies before work proceeds.
  - Existing foundations are subject to site inspection.
  - All structural steelwork to be grade S355 U.N.O. and shall comply with the requirements of Eurocode 3.
  - The contractor must ensure that the location of all masonry control joints is confirmed by the architect and the engineer prior to commencement of the works.
  - All blockwork to be dense solid blockwork with a minimum compressive strength of 50N/mm<sup>2</sup> U.N.O. and shall comply with the requirements of IS 325.
  - All blockwork is shown indicatively. Refer to architects drawings for blockwork details including exact setting out.
  - All timber shall be minimum grade C16 (U.N.O.) and shall comply with IS: 444.
  - Unless noted otherwise all joints between 215 solid blockwork and RC walls/columns to be provided with 150 long stainless steel ties at 450 vertical centres (ancon sp21 or similar approved). Ties to slot into channel cast into RC element (ancon 21/18 oranga channel or similar approved).
  - Stainless steel bed joint reinforcement to be provided to all window openings in 2 courses directly above and below the opening (brickwork by bal metalwork lid or similar approved) bed joint reinforcement to be minimum 175 wide in 215 masonry) and to extend minimum 600 past the opening.
  - All foundations to be placed on minimum 50mm lean mix blinding (U.N.O.)
  - For details of underground drainage services refer to architects' and engineers drawings. For exact location of services, service openings, external ducting and lighting refer to architects engineers drawings.
  - All non-structural finishes shall be to architect's details unless noted otherwise.
  - All damp-proofing, radon protection, insulation and fireproofing of building including service penetrations shall be to architect's details unless noted otherwise.
  - All temporary works necessary shall be the sole responsibility of the contractor.
  - All steel to be CE certified
  - Contractor to provide steel fabrication drawings for review by architect and engineer. Steelwork fabricator must be CE certified
  - This drawing to be read in conjunction with all relevant architects and engineers drawings.
  - All concrete to be grade 35N/20 with a crushing strength of 35N/mm<sup>2</sup> after 28 days.
  - Minimum of 150mm bearing on all precast elements.
  - Reinforcement to have a minimum of 40mm clear cover of concrete unless otherwise noted.
  - Do not scale drawing.
  - All dimensions in millimeters unless otherwise stated.
  - Foundations to be formed on suitable bearing strata with capacity of 100 kN/sq.m.
  - Engineers office to be notified 24 hours before concrete pour.
  - Foundation design subject to no presence of water. Engineers office to be notified if soil conditions differ.
  - Refer to architects drawings for setting dimensions and finishing details.
  - All dimensions and setting out to be confirmed and checked with architects drawings. Any discrepancies to be disclosed to architects and engineers office.
  - All building works to comply with current building control and regulations (BCaR).



NOTE: USE PROPRIETARY RADIUS KERBS WHERE APPLICABLE AND TAPERED KERBS AT PEDESTRIAN CROSSOVER POINTS

TYPICAL SECTION THROUGH GRAVEL LANDSCAPED (HARDSCORE) AREA  
scale 1:20

TYPICAL SECTION THROUGH CONCRETE FOOTPATH  
scale 1:20



INTERLOCKING PAVIOR FOOTPATH CONSTRUCTION (PEDESTRIAN AREA)  
scale 1:20

SECTION  
DETAIL SHOWING CHANNEL AT EXTERNAL DOOR THRESHOLD  
scale 1:20

TYPICAL SECTION THROUGH ROAD  
scale 1:20

Rev	Description	Date
01	Planning	11.20

Submittal Status:  
**P1 - Suitable for Planning**

Client:  
Richard & Elana Quinn

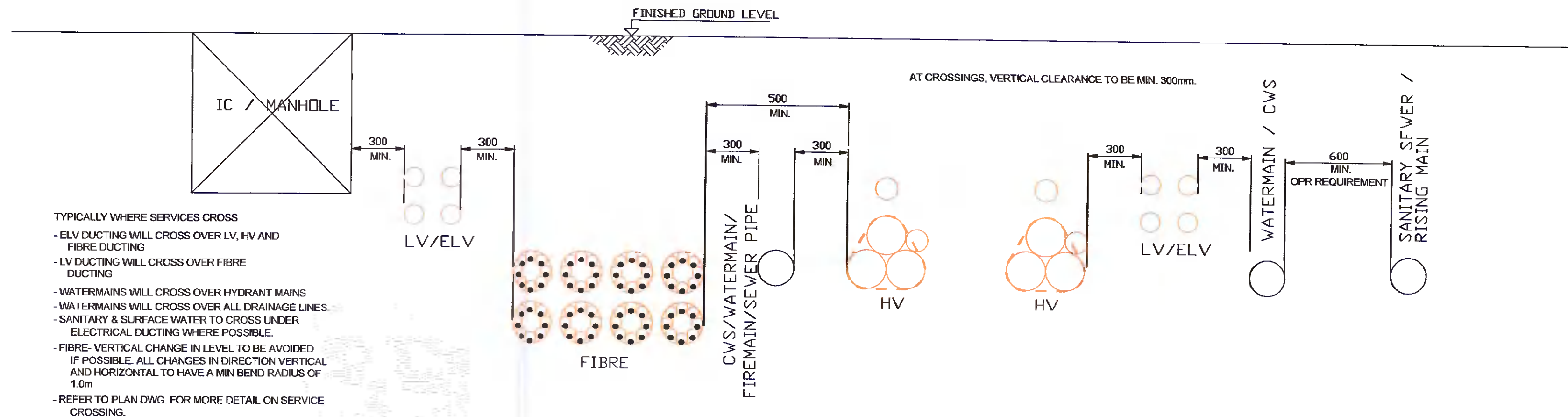
Job Title:  
Proposed Dwelling at Kilakee Green, Firhouse, D.24

Drawing Title:  
Proposed Paving Details

Originator:	Drawn by:	Checked by:	Scale:	Date:	Sheet:
SOS	SOS	BK	as noted	24.11.20	A1

Dwg No:  
20A224-SHD-XX-XX-DR-C-0005

**SHD Consultant Engineers**  
Nugrove Enterprise Park, Rathfarnham, Dublin 14  
Tel: 01-6852266  
email: info@SHDeng.ie www.SHDeng.ie



SCHEMATIC SKETCH SHOWING MINIMUM HORIZONTAL CLEARANCES BETWEEN SERVICES  
scale N.T.S.

- TYPICALLY WHERE SERVICES CROSS
- ELV DUCTING WILL CROSS OVER LV, HV AND FIBRE DUCTING
  - LV DUCTING WILL CROSS OVER FIBRE DUCTING
  - WATERMANS WILL CROSS OVER HYDRANT MAINS
  - WATERMANS WILL CROSS OVER ALL DRAINAGE LINES
  - SANITARY & SURFACE WATER TO CROSS UNDER ELECTRICAL DUCTING WHERE POSSIBLE
  - FIBRE - VERTICAL CHANGE IN LEVEL TO BE AVOIDED IF POSSIBLE. ALL CHANGES IN DIRECTION VERTICAL AND HORIZONTAL TO HAVE A MIN BEND RADIUS OF 1.0m
  - REFER TO PLAN DWG. FOR MORE DETAIL ON SERVICE CROSSING.