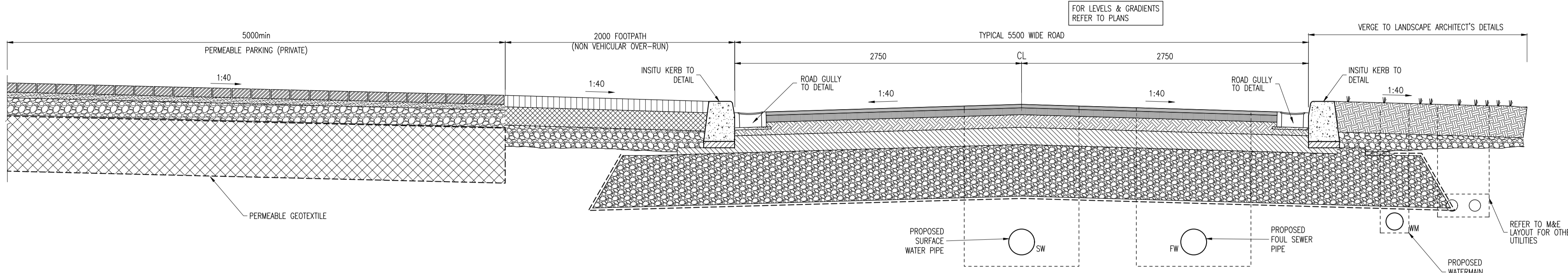


SURFACE CONSTRUCTION: PARKING BAY (PRIVATE IN CURTLEIDGE)

- 80mm PERMEABLE PAVING BLOCK TO BS EN 1338 & ARCHITECTS SPECIFICATION & APPROVAL & LAYING PATTERN ON
- 50mm LAYING MATERIAL JOINING TO MANUFACTURERS SPECIFICATION (TYPICALLY TYPE 2/6.3 GC 80/20 TO I.S. EN 13342) ON
- 150mm ROAD BASE COURSE CEMENT STABILISED COARSE GRADED AGGREGATE AS CBOM B TO NRA CL 822 ON
- 500mm SUB-BASE LAYER 4mm TO 20mm COARSE GRADE CLEAR CRUSHED ROCK TO I.S. EN 13242:2002 (SEE NOTE ON PARTICLE SIZE DISTRIBUTION) ON GEOTEXTILE LAYER TO CLAUSE 609 (NRA)

- 100mm CONCRETE PAVEMENT (150mm AT VEHICLE CROSSINGS WITH A393 MESH TOP & BOTTOM) C40 AIR ENTRAINED OR C50 NO AIR ENTRAINED (EXPOSURE CLASS XF4) TO NRA CL 1106 ON
- 150mm UNBOUND GRANULAR SUB-BASE TYPE B TO CLAUSE 808 NOTE 1 (MIN CBR 30%) ON JOINTS TO BE FORMED WITH TWO LAYERS OF BITUMINOUS FELT FOR FULL SLAB DEPTH AT 3m CENTRES (JOINTS TO COINCIDE WITH JOINTS IN THE KERB AND POSITIONED AT CORNERS ETC LIABLE TO CRACKING). FINISH BY FLOATING WITH WOODEN TROWEL WHILE STILL GREEN THEN LIGHTLY BRUSHED WITH A BASS BROOM TO PRODUCE SLIGHT ROUGHNESS.

- 45mm OF SMA 14 SURF PMB/105-60 DES TO CLAUSE 942 ON
- 95mm OF ASPHALT CONCRETE BINDER COURSE: AC 20 DENSE BIN 40/60 (20mm AGGREGATE) TO CLAUSE 900.3.1 ON
- 150mm OF CLAUSE 808 D.O.E. GRADED CRUSHED ROCK LAID TO FALL AND BLUNDED WITH QUARRY SCREENINGS ON
- 600mm CLASS 6F2 CAPPING STONE ON GEOTEXTILE TO CL 609 (NRA). CONTRACTOR TO CARRY OUT CBR TESTING PRIOR TO COMMENCING ROAD CONSTRUCTION AND NOTIFY ENGINEER OF RESULTS TO ALLOW CONFIRMATION OF CAPPING THICKNESS



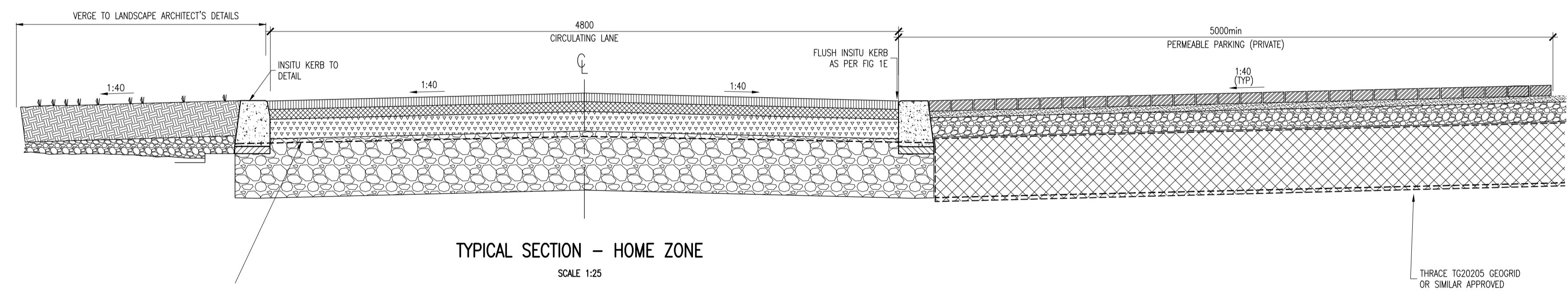
TYPICAL CROSS-SECTION – PRIMARY AND SECONDARY LOCAL STREETS
SCALE 1:25

ROAD CONSTRUCTION

- 45mm OF SMA 14 SURF PMB/105-60 DES TO CLAUSE 942 ON
- 95mm OF ASPHALT CONCRETE BINDER COURSE: AC 20 DENSE BIN 40/60 (20mm AGGREGATE) TO CLAUSE 900.3.1 ON
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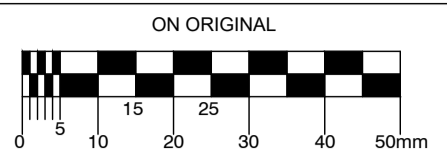
SURFACE CONSTRUCTION: PARKING BAY (PRIVATE IN CURTLEIDGE)

- 80mm PERMEABLE PAVING BLOCK TO BS EN 1338 & ARCHITECTS SPECIFICATION & APPROVAL & LAYING PATTERN ON
- 50mm LAYING MATERIAL JOINING TO MANUFACTURERS SPECIFICATION (TYPICALLY TYPE 2/6.3 GC 80/20 TO I.S. EN 13342) ON
- 150mm ROAD BASE COURSE CEMENT STABILISED COARSE GRADED AGGREGATE AS CBOM B TO NRA CL 822 ON
- 500mm SUB-BASE LAYER 4mm TO 20mm COARSE GRADE CLEAR CRUSHED ROCK TO I.S. EN 13242:2002 (SEE NOTE ON PARTICLE SIZE DISTRIBUTION) ON GEOTEXTILE LAYER TO CLAUSE 609 (NRA)



TYPICAL SECTION – HOME ZONE
SCALE 1:25

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- NOTES:
1. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE NRA SPECIFICATION FOR ROAD WORKS UNLESS OVERRIDDEN BY LOCAL OVERSEEING AUTHORITY'S STANDARDS
 2. SUB-BASE MATERIAL SHALL COMPLY WITH CLAUSE 808 GRANULAR MATERIAL TYPE B OF NRA'S SPECIFICATION FOR ROAD WORKS & SHALL SATISFY THE REQUIREMENTS OF TABLE 6/4 & 6/2.
 3. SUB FORMATION & CAPPING MATERIAL SHALL COMPLY WITH CLAUSE 613 OF THE NRA'S SPECIFICATION FOR ROAD WORKS & SHALL SATISFY THE REQUIREMENTS OF TABLE 6/1 & 6/2.
 4. STONE BLINDING WITH 2-6.5mm AGGREGATE SHALL MEET THE FOLLOWING GRADINGS, IN ACCORDANCE WITH IS EN 13242

BS SIEVE SIZE (mm)	% BY MASS PASSING
14	100
10	98-100
6.3	80-99
2.0	0-20
1.0	0-5
 5. CRUSHED STONE WITH 4-20mm AGGREGATE SHALL MEET THE FOLLOWING GRADINGS, IN ACCORDANCE WITH IS EN 13242

BS SIEVE SIZE (mm)	% BY MASS PASSING
40	100
31.5	98-100
20	90-99
10	25-70
4	0-15
5	0-5
 6. ANY ROADS PROPOSED TO BE USED FOR CONSTRUCTION TRAFFIC ARE TO HAVE INCREASED DEPTH OF SUB-BASE FOR THE DURATION OF CONSTRUCTION IN ACCORDANCE WITH DBFL SPECIFICATIONS.
 7. ALL WORKS SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY.
 8. ALL GEOGRIDS TO BE LAID IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
 9. ALL AGGREGATES PROPOSED FOR USE ON THIS SCHEME SHALL MEET FULLY THE REQUIREMENTS OF THE NRA SPECIFICATION FOR ROAD WORKS AND IN ADDITION THE REQUIREMENTS STATED IN STANDARD RECOMMENDATION S.R. 21:2014 GUIDANCE ON THE USE OF I.S. EN 13242:2002 #A1:2007-AGGREGATES FOR UNBOUND AND HYDRAULICALLY BOUND MATERIALS FOR USE IN CIVIL ENGINEERING WORK AND ROAD CONSTRUCTION.

REV.	DATE	DESCRIPTION	BY	CHKD.
STAGE 3 PLANNING				
DESIGNED	SPB	PREPARED	ICD	
DATE	NOV 2019	CHECKED	DJR	

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PROJECT
LANDS AT CRODAUN, CELLBRIDGE, CO. KILDARE

DRG. TITLE
TYPICAL ROAD CONSTRUCTION DETAILS SHEET 1 OF 2

CLIENT
ARDSTONE CAPITAL LTD

SCALE	AS SHOWN @A1	FILE REF.	170099-2011
DRG. NO.	170099-2011		