

A M4 - A LEVEL APPROACH (MAX 1:60 GRADE)

B M4 - GENTLY SLOPING MAX (1:20 GRADE)

C M4 - C. RAMPED APPROACH (MAX 1:12 OR 1:15 GRADE)

D M4 - D. STEPPED APPROACH

E M4 - E. SINGLE STEP AT THRESHOLD



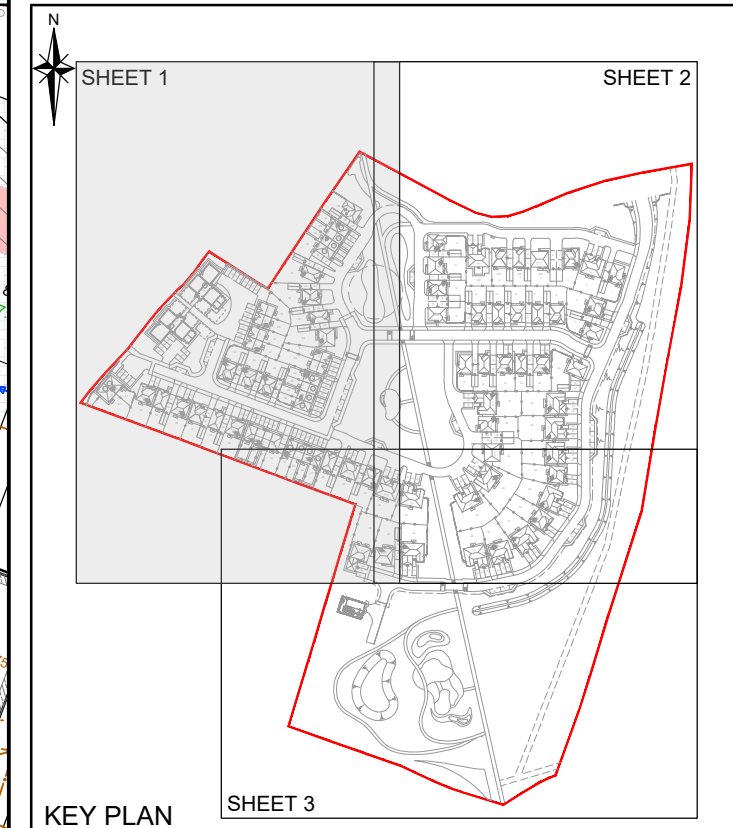
- # NOTES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELATED DRAWINGS ISSUED BY THE ARCHITECT AND ENGINEER, AND THE CITY OF PORTLAND, OREGON, DIVISION, WEST SUBSEX COUNTY CODE, STANDARDS AND BOYS.
 - DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS.
 - ALL DIMENSIONS SHOWN IN METRES UNLESS NOTED OTHERWISE.
 - ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED AGAINST AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORK.
 - NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS TO BE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AND ENGINEER.
 - CONTOUR SHOWN ON THIS DRAWING ARE AT 20mm vertical INTERVALS.
 - THIS DRAWING IS BASED ON THE PLANNING LAYOUT PROVIDED BY CEMEX PERRY ASSOCIATES. DRAWING REFERENCE ABSS_42A.
 - TOPOGRAPHICAL SURVEY WAS UNDERTAKEN BY MK SURVEYS.
 - WATERPROOFING TO BE INSTALLED IN ACCORDANCE WITH NBRIC CHAPTER 5.4 BY SUPPLIER/CORPORATION FROM OPC WITH A MINIMUM 1.5mm THICKNESS. ALL WATERPROOFING TO BE 100mm RAISED OPC SHOWN ON THIS DRAWING IS IN AREAS WHERE FINISHED GROUND LEVEL IS LESS THAN 100mm BELOW FINISHED CONCRETE SLAB LEVEL. UNLESS OTHERWISE INDICATED WHERE EXTERNAL LEVELS ARE GREATER THAN 100mm BELOW SLAB LEVEL.
 - PRIVATE FLOOD WATER AND SURFACE WATER DRAINAGE ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE BUILDING REGULATIONS 2011, AS AMENDED BY THE 2015, 2016, 2017, 2018, 2019 AND RELEVANT APPENDICES TO CERTS.
 - ALL DRAINAGE TO BE CONSTRUCTED USING SPECIFIED BUILDING DRAINAGE SYSTEM PIPEWORK TO BE EN 1401, UPECED AND UPEVC. ALL DRAINAGE TO BE CONSTRUCTED IN ACCORDANCE WITH THE INSTRUCTIONS AND THE SPECIFICATIONS LISTED IN NOTE 1.
 - INSPECTION CHAMBER SIZES ARE TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS PART 1, TABLE 11 AND UNLESS OTHERWISE NOTED.
 - BACKFILLING OF DRAIN TRENCHES ADJACENT TO DWELLINGS OF OTHER STRUCTURES TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS PART 1, TABLE 11 AND UNLESS OTHERWISE NOTED.
 - INSPECTION CHAMBER COVERS IN PRIVATE AREAS SHOULD BE GROUP 1 CLASS A1 IN PEDESTRIAN AREAS ACCESSIBLE TO THE GENERAL PUBLIC AND GROUP 4 CLASS D0 IN VEHICULAR AREAS.
 - ALL FLOOD WENT PIPE, STUB STACKS, AIR ADMITTANCE VALVES AND RAIN WATER PIPE LOCATIONS ARE INDICATIVE ONLY. FOR ADDITIONAL DETAILS REFER TO ARCHITECTURAL PLANS AND ELEVATIONS.
 - SURFACE WATER FROM PRIVATE AREAS IS NOT TO BE DISCHARGED INTO THE DRAINAGE SYSTEM.
 - DRAINS TO BE CONSTRUCTED TO DWELLINGS WITH SUSPENDED FLOOR SLABS SHOULD EITHER BE INSTALLED THROUGH THE FLOOR OR THROUGH THE EXISTING FLOOR AND POT OR SIMILAR CONNECTION IS USED, OR SHOULD BE INSTALLED THROUGH THE EXISTING FLOOR IN LAYERS NOT EXCEEDING 225mm. CONCRETE GROUND SLABS ARE TO BE Poured IN SITU.
 - DRAINS IN AREAS OF MADE GROUND TO BE CONSTRUCTED BY EXCAVATING TO THE EXISTING FLOOR LEVEL, REMOVING THE EXISTING FLOOR AND THEN EXCAVATE THROUGH THE FILL MATERIAL TO THE EXISTING GROUND LEVEL. ALL DRAINAGE TO BE BACKFILLED TO FORMATION LEVEL USING SUITABLE FILL MATERIAL.
 - ALL FLOOD WATER DRAINAGE IN PRIVATE AREAS NOT EXCEEDING 225mm.
 - ALL FLOOD WATER DRAINAGE IN PUBLIC AREAS.
 - ALL FLOOD SURFACE WATER DRAINAGE PIPES WITHIN PRIVATE AREAS TO BE 100mm Ø UNLESS SPECIFIED OTHERWISE.
 - FIRST SURFACE WATER INSPECTION CHAMBERS TO BE 600mm DEEP UNLESS SPECIFIED OTHERWISE.
 - FIRST SURFACE WATER INSPECTION CHAMBERS TO BE 750mm DEEP UNLESS SPECIFIED OTHERWISE.
 - IN COMPLIANCE WITH CDM 2015 (2015) HAS FOLLOWED ITS DUTY OF CARE TO IDENTIFY AND ELIMINATE OR REDUCE THE RISK OF INJURY OR DAMAGE TO PERSONS OR PROPERTY IN DEVELOPING THE DESIGN OF THE PROJECT. THE DESIGNER HAS IDENTIFIED NO ABNORMAL OR UNUSUAL RISKS RELEVANT RISKS ASSOCIATED WITH THE PROJECT. THE DESIGNER HAS IDENTIFIED NO RISKS THAT WOULD NORMALLY BE EXPECTED BY COMPETENT PERSONS OR CONTRACTORS ENGAGED ON WORK OF THIS NATURE OR TYPE.
 - THIS DRAWING SUBJECT TO TECHNICAL APPROVAL FROM SOUTHERN WATER.
 - GEOTECHNICAL ENGINEER TO BE CONFIRM SOAKAWAY OFFSETS

LEGEND

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|  | DEVELOPMENT BOUNDARY |
|  | HIGHWAY BOUNDARY |
|  | PROPOSED FINISHED FLOOR LEVEL (mAOOD) |
|  | PROPOSED FINISHED GARAGE LEVEL (mAOOD) |
|  | EXISTING LEVEL (mAOOD) |
|  | PROPOSED LEVEL (mAOOD) |
|  | PROPOSED PERMEABLE PAVING SUB-BASE |
|  | PROPOSED PERMEABLE PAVING |
|  | MAIN ROAD CONSTRUCTION DEPTHS (WHERE SEEL ARE NOT SHOWN DEPTHS ARE BASED ON FULL CONSTRUCTION DEPTH) |
|  | PROPOSED GRADIENT |
|  | PROPOSED CONTOURS (SEE NOTE 6) |
|  | PROPOSED RETAINING WALL |
|  | PROPOSED CONCRETE GRAVEL BOARD |
|  | RAISED DUCT/TANKING |
|  | EXPOSED BRICKWORK/UNDERBUILD |
|  | HIGHWAY DRAIN AND MANHOLE |
|  | ADOPTABLE FOUL WATER SEWER AND MANHOLE |
|  | EXISTING FOUL WATER SEWER |
|  | PRIVATE SURFACE WATER SEWER AND MANHOLE |
|  | TYPE B SURFACE WATER CATCHPIT (REFER TO WSCC STANDARD DETAIL 5278/33813) |
|  | PRIVATE FOUL DRAIN |
|  | PRIVATE SURFACE WATER DRAIN |
|  | TYPE 3 FOUL INSPECTION CHAMBER (REFER TO ODSSEY DRAWING 18-3448/24 FOR DETAILS) |
|  | TYPE 3 SURFACE WATER INSPECTION CHAMBER (REFER TO ODSSEY DRAWING 18-3448/24 FOR DETAILS) |
|  | ROODING EYE (REFER TO ODSSEY DRAWING 18-3448/24 FOR DETAILS) |
|  | CATCHPIT INSPECTION CHAMBER (REFER TO ODSSEY DRAWING 18-3448/25 FOR DETAILS) |
|  | DIFFUSER UNIT (REFER TO ODSSEY DRAWING 18-3448/25 FOR DETAILS) |
|  | FILTER DRAIN (REFER TO ODSSEY DRAWING 18-3448/27 FOR DETAILS) |
|  | ACC DRAIN (REFER TO ODSSEY DRAWING 18-3448/28 FOR DETAILS) |
|  | ROAD GULLY AND CONNECTION (REFER TO WSCC STANDARD DETAIL 5279/3811) |
|  | PROPOSED CELLULAR STORAGE TANK (REFER TO ODSSEY DRAWING 18-3448/21) |
|  | PROPOSED PERMEABLE BLOCK PAVING (REFER TO ODSSEY DRAWING 18-3448/21) |
|  | INDICATIVE SERVICE CORRIDOR |
|  | BAFFLE WALL (REFER TO ODSSEY DRAWING 18-3448/25) |
|  | FOUL WATER RISING MAIN |
|  | TREE ROOT PROTECTION ZONES |
|  | PROPOSED STREET LIGHTING PROVIDED BY MAA |

FOR CONTINUATION SEE DRAWING NUMBER 18-344/800

**TENDER
ISSUE**



C	UPDATED TO SUIT CLIENT COMMENTS	JA	SG	RM	28.10
B	UPDATED TO SUIT REVISED SITE LAYOUT	JA	SG	LH	09.10
A	UPDATED TENDER ISSUE	JA	SG	LH	27.08



Job Title

FORD LANE,
YAPTON

Drawing Title

ENGINEERING LAYOUT
SHEET 1 OF 3

Client

Scale 1:250 @A0	Date FEB 2020	Designed JA
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Drawn JA	Checked SG	Approved LH
Job No 18 344	Drawing No 18 344/800	Rev C