

| Project | | | | | BOREHOLE No |
|----------------------|---------------|-----------|--------------|-------------------------------|-------------|
| Northstowe | | | | | BHB022 |
| Job No | Date 17-10-05 | Ground Le | evel (m AOD) | Co-Ordinates (OS) | DIIDUZZ |
| 12170626 | 17-10-05 | 9 | .040 | E 541538.814 N 266017.9 | 29 |
| Supervising Englneer | | | Client | | Sheet |
| JMC / LF / C | W/RLC | | Gallagher E | states & English Partnerships | . 1 of 1 |

| SAMP | LES | & TE | STS | | <u></u> | | | | STRATA | | | | У | ent/ |
|---|------------------|---------------------------|--------------|----------------|---------------|--|---|-----------|---|-------------------------|-------|---|---------|-------------------------|
| Depth | Type No | Test Result | PID Depth | Result ppmv | Water | Reduced Level | Depth (Thick- ness) | | DESCRIPTION | | | Legend | Geology | Instrument/ Backfill |
| 0.15 | JJJV | 1. | | | | 8.94 | 0.10 | | DE GROUND: grass over brown: I roots. | sandy topsoil with rare | ash / | — · - | MG | |
| 0.40 0.50-1.00 0.80 | D B D | | | | | 7.04 | (1.10) | Fin | n brown sandy CLAY with rare roupOSITS). | ots (TERRACE | | | TD | ye. = ye. |
| - 1.00 - 1.50 - 1.80 - 2.00-2.50 | DB JJJV D | 3,0,8 13,9,5 N=35 | | | | 7.84 | 1.20 | De ran | nse yellow brown slightly clayey ve e bands of brown sandy clay. Gra pangular to subrounded flint (TERI | vel is fine to coarse | h | 000000000000000000000000000000000000000 | TD | |
| 3.00-3.50 | В | 6,0,3 2,3,2 | | | ∓ Ā | 5.84 | Firm grey sandy slightly gravelly CLAY with rare shells and plant remains and thin laminations of stiff dark grey day and brown | | | | | | | |
| 3.20 3.50 - 4.00-4.50 | DB 1111A D | 3,0,1 2,2,1 N=6 | | | | | Firm grey sandy slightly gravelly CLAY with rare shells and plant | | | | | | | |
| | , = | " | | | | 4.24 | t - 4.80 | | | | | | | |
| 4.80 5.00 | D | 100 blow | | | | 4.24 4.80 Stiff dark grey mottled brown CLAY (KIMMERIDGE CLAY). | | | | | | | | :: : |
| 5.50 | D | | | | | | (2.20) | ł | | | | | KIMM | |
| 6.00 | D | | | | | | _(2.20) | | | | | | | |
| 6.50-7.00 | DB | 9,0,8 12,15,18 N=53 | 3 | | | 2.04 | 7.00 | | | | | | | |
| | | | | | | | مستميد المرير ووميد المستميد | | | | | | | |
| Вс | nna | Progre | ess a | nd W | ater | Observ | ations | | Chiselling | Water Added | | GENE | RAL | <u> </u> |

| Boi | ring Prog | ress and | Water C | bservation | ons | (| Chiselling | 9 | Water | Added | GENERAL |
|----------|-----------|----------|---------------|-------------------|--------------|------|-------------|-------|-------|-------|--|
| Date | Time | Depth | Ca: Depth | sing I Dia. mm | Water Dpt | From | To | Hours | From | То | REMARKS |
| | | | | | | | | | | | Groundwater struck at 3.2m rising to 2.7m after 15 mins. |
| Date | Time | Strike | Minutes | Standing | Casing | | | | | | |
| 17-10-05 | | 3.20 | 15 | 2.70 | 3.20 | | | | | | |
| | | . 10 | ontractor / l | Drillor | | Moth | od/Diant II | cod | | | Logged By |

All dimensions in metres Scale 1:62.5

Contractor / Driller

Method/Plant Used
Cable Percussive Rig

Logged By
JMC



| Project | | | | | | | | | | E | BOREH | OLE | No | | | | |
|--|---|-----------------------|---------------|------------------|----------|-------------------------------|---------------------------|---|--------------|--------------|--------------------------------------|---------------|---------------------------------------|----------|--------------|------------|-------------------------|
| N | lorths | towe | | | | | | | | | | | | | | | |
| Job No | | | [| Date 0 | B-11 | -05 | Ground | d Le | vel (m AOI | O) Co-O | rdinates (C | S) | | | BHE | 3023 | 3 |
| 12 | 1706 | 26 | | ŏ | B-11 | -05 | | 7. | 920 | E 5 | 541699.5 | 39 N 26 | 6000.000 | | | | |
| Supervis | ing En | gineer | | - | | | | | Client | | | | | Sh | eet | | |
| J | MC / | LF/C | W/ | RLC | | | | | Gallaghe | er Estates & | & English P | artnerships | | | 1 o | f 1 | |
| SAME | PLES | & TE | STS | | <u>~</u> | | | | | STR/ | ATA | | | | | > | ent/ |
| Depth | Type No | Test Result | PID Depti | h Result ppmv | Water | Reduced Level | Depth (Thick- ness) | | | DE | SCRIPTION | N | | | Legend | Geology | Instrument/ Backfill |
| : | | | | | | 7.52 | 0.40 | Gra | ass over bi | own sandy | clayey TO | PSOIL. | | | 37.37 | TPS | |
| 0.40 0.50-1.00 0.80 | 171A B 171A | | | | | | | Gra | avel is fine | to medium | ed orange s subangula RACE DEP | ır to subroui | y gravelly CL nded flint and | AY. I | | | |
| 1.00 | U | 39 blows | ŝ | | | | (1.60) | | | • | | | | ΤD | | | |
| - 1.50 - 1.60-1.70 - 1.70 - 2.00-2.50 | DB TITA D | | | | | 5.92 | 2.00 | 0-4 | a | | | | × × | | | | |
| 2.00-2.00 | | | | | | | | DE | POSITS). | ow brown to | ACE | | ××× | | ١ ١ | | |
| | | ĺ | | | | | _(1.90) | | | | | | × × × × × × × × × × × × × × × × × × × | TD | | | |
| 3.00-3.50 | DB | 1,1,1 1,1,4 N=7 | | | | | | | | | | | × × × × × × × × × × × × × × × × × × × | | | | |
| | | | | | | 4.02 3.92 | 3.90 | Mo | derately st | rong nale h | MMERIDGE | | × × × × × | KIMM | | | |
| 4.00-4.50 | DB | 3,2,4 3,4 N=11/ | | | | 3.52 | | /CL | AY). | | | • | vith rare fossi | / | | (Citatia) | |
| | | 225 | | | | | | (KII | MMERIDG | E CLAY). | any mie sai | idy CLAT V | nui raie iossi | 115 | | | |
| 5.00-5.50 | DB | 2,3,3 4,5 N=12/ | | | | | | | | | | | | | | | |
| | | 225 | | | | | (3.00) | | | | | | | | | KIMM | |
| 6.00 | D | | | | | | - | | | | | | | | | | |
| 6.50 | U | 80 blows | | | | 0.92 | 7.00 | | | | | | | | | | |
| 7.00 | D | | | | | 0.92 | 7.00 | | • | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| • | | | | | | | | | | | | | | | | | |
| | | | | : | | | | | | | | | | | | | |
| - | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | - 11 | | | | T . | | | | | |
| Bo Date | ring F | | ss a Depth | | | Observa asing Dia. mi | | Chiselling Water Added Vater Dpt From To Hours From To | | | | | | | GENE REMA | | |
| | | | , | 1 | shiu. | Dia. mi | III Upt | | . 10/11 | " | | Ground | iwater not | | ered. | | |
| | | | | | | li . | | | | | | | | | | | |
| Date | Tim | ne | Strike | Mir | rutes | Standir | ng Casin | g | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | All dimensions in metres Contractor / Driller Method/Plant Used | | | | | | | | | | | | | Logge | d By | | = |



| | | | | | | | B | UK | KEHC | PLE L | .OG | | | | | | |
|--------------------------------------|-------------------|-----------------------------|--------|---|--------------|-------------------|------------------|----------------------|--------------------------------------|--|-----------------------------|---|---|-------------|----------------------------|---------|------------|
| Project | 1 | | | | | | | | | | | | | 1 | BOREL | IOLE | No |
| Job No | lorths | towe | 1 7 | Date | | | Croun | dla | AOI | D) | D-di4 46 | | | | BHE | 302 | 4 |
| | 1706 | 26 | - ' | 1 | 8-10 8-10 |)-05)-05 | Gloun | | el (m AOI 230 | · | Ordinates (C | | 25700 000 | . | | | • |
| Supervis | | | | | 0-10 | 7-05 | | 10. | Client | | 541499.5 | 53 N 20 | 55799.986 | _ | neet | | |
| | • | LF/(| | RLC | | | | | | er Estates | & English P | artnershins | | " | | of 1 | |
| SAMF | PLES | & TF | STS | | | | | | | STR | | | | | | , , | <u>=</u> |
| | Туре | | PID | Bosult | Water | Reduced | Depth | | | 0110 | | | | _ | 1 | 99 | Jamer 1 |
| Depth | No | Resul | | ppmv | 3 | I evel · | (Thick- ness) | - | | | SCRIPTIO | | | | Legend | Ğ | Instrument |
| 0.10 | 1111 | | | | | 9.93 | 0.30 | | | | y TOPSOIL y gravelly C | | al ia faa | | 77. 77 | TPS | |
| - 0.40 - 0.50-1.00 - 1.00-1.50 | B D 11 | 9,6,7 6,5,6 N=24 | | | | | _ | subr subr 3.0n | rounded o rounded fl n. Gravel | chalk. Beco lint and cha is fine sub | oming grave alk. Becoml | elly from 2.0 ng sandy a subrounded | on, gravel is on, gravelly f and gravelly f d filnt. Becon | rom | | | |
| 1.80 - 2.00-2.50 | פחזיא ם | 7,6,8 6,7,6 N=27 | | | | | | | | | | | | | | | |
| 2.70 | D | | | | | | (5.10) | | | | | | | | | | |
| 3.00-3.50 | В | 10,8,6 7,8,9 N=30 | | | | | (0.10) | | | | TD | | | | | | |
| 3.70 | D | | | | | - | | | | | | | | | | | |
| 4.00-4.50 | В | 9,7,6 6,8,8 N=28 | | | | | | | | | | | | L | | | |
| 4.70 - | D | | | | | <u> </u> | _ | | | | | | | | | | |
| 5.00-5.50 | В | 7,8,9 8,9,9 N=35 | | | ļ | 4.83 | 5.40 | | | | | | | | | | |
| 5.40 | D | N=35 | | | | 4.33 | (0.50) 5.90 | Firm | light grey | mottled b | rown SILT | TERRACE | DEPOSITS | 6). | × × × × | TD | |
| -5.90 | D | | | | { | - | (1.00) | Very to co | dense or arse sub | range silty angular to | very sandy angular flint | GRAVEL. (TERRAC | Gravel is me E DEPOSIT | dium S). | 000 | | |
| 6.50 | D | 18,13,9 12,15,16 N=52 | | | | 3.33 | 6.90 | | | | | | | | 0.00 | TD | |
| - | | | | | ŀ | 3.23 | 7.00 | Wea CLA | k to mode Y). | erately wea | ak grey SILT | ISTONE (K | KIMMERIDG | E / | XXX | KIMM, | |
| - | | | | | | | - | | | | | | | | | | |
| • | | | | | | | | | | | | | | | | | |
| Bo | ring F | rogre | ss a | and Water Observations Chiselling Water Added | | | | | | | | | | | GENE | RAI | |
| Date | Tim | | Depth | | | sing I Dia. mn | | r | From | То | Hours | From | То | | REMAI | | |
| Doto | Tia | | 01-" | | | | | | | | | | | | water struct 2.5m after | | |
| Date | Tim | e | Strike | Min | utes | Standin | g Casin | | | | | | | | | | |
| Ali dimer Sc | nsions ale 1:6 | | es | Contrac | tor/ | Driller | -II | | Meth | od/Plant U | sed Cable Perc | ussive Rlg | | Logged | I By DB | | |



| Northstowe Job No | | | |
|--|----------|---------------------------------------|------------|
| July | ect | BOREHOLE | E No |
| July Date | No | BHB02 | 4Δ |
| Supervising Engineer JMC / LF / CW / RLC SAMPLES & TESTS Depth Type Result Depth Pompt Sessible Reduced (Thick-Ress) Reduced (Thick- | No | DIIDOL | 17. |
| SAMPLES & TESTS Depth Type Result Depth Result Depth Ppmw Service Reduced Level ness) 1 of STRATA STRATA Depth Type Result Depth Result Result Depth Result Result Depth Result Result Depth Result Depth Result Res | 121 | | |
| SAMPLES & TESTS Depth Type Test PiD Result Depth Ppmw PiD Result Depth Result Depth Ppmw PiD Result Ppmw PiD Result Depth Ppmw PiD Result Depth Ppmw PiD Result PiD Ppmw PiD Result Ppmw PiD Result Ppmw PiD Result Ppmw PiD Result PiD Ppmw PiD Result Ppmw PiD PiD Result Ppmw | | | |
| Type Test Depth Popm Test Depth Depth Depth Chevel | JN | 1 01 1 | |
| 8.20 0.40 Solution Solution | AMP | _≥ | Jeut . |
| 8.20 0.40 Firm yellow brown sandy slightly gravelly CLAY. Gravel is fine to medium chalk and coarse flint (TERRACE DEPOSITS). 7.10 1.50 Moderately compact pale yellow brown sitty sandy GRAVEL. Gravel is fine to medium and subrounded to subangular (TERRACE DEPOSITS). 6.10 2.50 5.90 2.70 Moderately compact yellow orange clayey slity gravelly SAND (TERRACE DEPOSITS). (0.60) 5.30 3.30 (0.60) 4.70 3.90 Dense yellow GRAVEL. Gravel is fine to coarse subangular to subrounded (TERRACE DEPOSITS). Dense yellow GRAVEL. Gravel is fine to coarse subangular to subrounded (TERRACE DEPOSITS). (3.10) (3.10) | epth | Legend 600 | Instrument |
| Firm yellow brown sandy slightly gravelly CLAY. Gravel is fine to medium chalk and coarse flint (TERRACE DEPOSITS). 7.10 1.50 Moderately compact pale yellow brown sitty sandy GRAVEL. Gravel is fine to medium and subrounded to subangular (TERRACE DEPOSITS). 6.10 2.50 5.90 2.70 Moderately compact yellow orange clayey sility gravelly SAND (TERRACE DEPOSITS). Moderately compact yellow fine to coarse sandy GRAVEL. Gravel is fine to coarse subrounded to subangular flint (TERRACE DEPOSITS). Firm yellow brown sandy slightly gravely CLAY. Gravel is fine to coarse sandy GRAVEL. Gravel is fine to coarse subrounded to subangular flint (TERRACE DEPOSITS). Dense yellow GRAVEL. Gravel is fine to coarse subangular to subrounded (TERRACE DEPOSITS). (3.10) (3.10) |)-0.40 | TPS | s |
| Moderately compact pale yellow brown sitty sandy GRAVEL. Gravel is fine to medium and subrounded to subangular (TERRACE DEPOSITS). 6.10 2.50 5.90 2.70 Moderately compact yellow orange clayey siity gravelly SAND (TERRACE DEPOSITS). (0.60) 5.30 3.30 (0.60) 4.70 3.90 Dense yellow GRAVEL. Gravel is fine to coarse subangular flint (TERRACE DEPOSITS). Firm grey and white sandy SILT (TERRACE DEPOSITS). Dense yellow GRAVEL. Gravel is fine to coarse subangular to subrounded (TERRACE DEPOSITS). (3.10) | , |) TD | |
| (1.00) (TERRACE DEPOSITS). 6.10 2.50 5.90 2.70 Moderately compact yellow orange clayey slity gravelly SAND (TERRACE DEPOSITS). (0.60) 5.30 3.30 Gravel is fine to coarse sandy GRAVEL. (TERRACE DEPOSITS). (0.60) 4.70 3.90 Dense yellow GRAVEL. Gravel is fine to coarse subangular to subrounded (TERRACE DEPOSITS). (3.10) (3.10) | | 000 | |
| 1. 2.30 5.90 2.70 Moderately compact yellow orange clayey silty gravelly SAND (TERRACE DEPOSITS). |) | 000 |] |
| (1.60) (TERRACE DEPOSITS). Moderately compact yellow fine to coarse sandy GRAVEL. Gravel is fine to coarse subrounded to subangular flint (TERRACE DEPOSITS). Firm grey and white sandy SILT (TERRACE DEPOSITS). Dense yellow GRAVEL. Gravel is fine to coarse subangular to subrounded (TERRACE DEPOSITS). Dense yellow GRAVEL. Gravel is fine to coarse subangular to subrounded (TERRACE DEPOSITS). | | TE COLOR | ゴ間 |
| (0.60) 4.70 3.90 Firm grey and white sandy SILT (TERRACE DEPOSITS). Dense yellow GRAVEL. Gravel is fine to coarse subangular to subrounded (TERRACE DEPOSITS). (3.10) (3.10) (1.60) 3.90 Dense yellow GRAVEL. Gravel is fine to coarse subangular to subrounded (TERRACE DEPOSITS). | | 0 0. 0 TC | |
| Dense yellow GRAVEL. Gravel is fine to coarse subangular to subrounded (TERRACE DEPOSITS). (3.10) Dense yellow GRAVEL. Gravel is fine to coarse subangular to subrounded (TERRACE DEPOSITS). | | -/× * × π | |
| | | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| | | | |
| | | GENERA REMARK | |
| Date Time Depth Casing Water Dpt From To Hours From To REMAR Groundwater not er | Date | | |
| Date Time Strike Minutes Standing Casing | Date | | |

All dimensions in metres Scale 1:62.5 Contractor / Driller

Method/Plant Used Cable Percussive Rig Logged By MO



| Project | | | | | | | BOREHOLE No |
|----------------------|---------------|------|-----------|-------------|-------------------------|--------------|-------------|
| Northstowe | | * | | | | 57 | BHB025 |
| Job No | Date 14-1 | 0-05 | Ground Le | vel (m AOD) | Co-Ordinates (OS) | | DHDUZU |
| 12170626 | | 0-05 | 11 | .110 | E 541299.557 | N 265800.003 | 300 |
| Supervising Engineer | - | | | Client | | | Sheet |
| JMC / LF / C | W/RLC | | | Gallagher E | states & English Partne | erships | 1 of 1 |

| Supervising Engineer | | Client | Sheet | | | | | | | | |
|--|---------------------------------------|---|-----------------------------|--|--|--|--|--|--|--|--|
| JMC / LF / CW / RLC | | Gallagher Estates & English Partnerships | 1 of 1 | | | | | | | | |
| SAMPLES & TESTS | _ | STRATA | y lent/ | | | | | | | | |
| Depth Type Test Result PID Depth Result ppmv | > Level (Trick- ness) | DESCRIPTION | Geology Instrument/ | | | | | | | | |
| | 10.61 (0.50) Gr 10.61 0.50 is | rass over soft dark brown sandy slightly gravelly CLAY. Grav medium and subangular flint (TERRACE DEPOSITS). | rel TD | | | | | | | | |
| 0.50 D B - 1.00-1.40 U 74 blows - 1.50 D | Lo SA an | pose to medium dense orange clayey gravelly fine to coarse AND. Gravel is fine to medium subangular to subrounded flind chalk. With frequent gravel sized pockets of black sand an ockets of white sand (TERRACE DEPOSITS). | nt | | | | | | | | |
| - 2.00 B 1,1,1 | 991 230 | | | | | | | | | | |
| 2.30-2.50 B 2.3,2 N=8 | Fit | Firm to stiff slightly laminated dark grey slightly sandy CLAY wirare yellow mottling. Brown and yellow mottling from 2.7m. Becoming stiff, dark grey with rare selenite crystals from 3.7m. No mottling. Fossils present from 4.0m. Frequent pyrite from | | | | | | | | | |
| 3.00-3.40 U 59 blows | | Becoming stiff, dark grey with rare selenite crystals from 3.7m. | | | | | | | | | |
| 4.00-4.50 BBO 3,4,4 3,4,5 N=16 | (4.70) | | KIMM | | | | | | | | |
| 5.00-5.40 U 79 blows | | | | | | | | | | | |
| 5.50 D | | | | | | | | | | | |
| 6.50-7.00 BBD 4,4,5 4,5,5 N=19 | 4.11 7.00 | | | | | | | | | | |
| | | | 4 | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Boring Progress and W | later Observations | Chiselling Water Added | CENERAL | | | | | | | | |
| | Casing Water Depth Dia. mm Dpt | From To Hours From To | GENERAL REMARKS | | | | | | | | |
| | | N | lo groundwater encountered. | | | | | | | | |
| Date Time Strike M | inutes Standing Casing | | | | | | | | | | |
| All dimensions in metres Scale 1:62.5 | actor / Driller | Method/Plant Used Cable Percussive Rig | ogged By DB | | | | | | | | |



All dimensions in metres Scale 1:62.5 Contractor / Driller

BOREHOLE LOG

| | | | | | | | D | UT. | KEHU | | UG | | | | | | - |
|-------------------|-----------------|------------------------|--------|--------|------------|--------------------|-------------------------|---------|---|-------------------------|---|-----------------------------|------------|-------|--------------|--------------|------------------------|
| Project | | | | | | | _ | | | | | | | E | BOREH | OLE | No |
| Job No | lorths | towe | 7- | | | | 10 | | | 1 | | | | | BHE | เกวเ | , |
| | 1706 | 26 | Da | | 3-10 | | Grour | | vel (m AOD) | | ordinates (C | • | | | | <i>,</i> 02(| |
| Supervis | 1706 sing En | | | 1. | 3-10 | J-U5 | | 11 | .240 | E | 041099.5 | 61 N 26 | 5800.015 | C.F | unot . | | |
| | | LF/C | W/F | RLC | | | | | Client Gallagher | Fetates J | € Englieh D | artnerships | | on | eet 1 o | £ 1 | |
| SAMF | | | | | Г | | | | Callagrici | | | arti ierai iipa | | | 1 0 | 1 | 15 |
| | T - | Test | PID | Result | Water | Reduced | Depth | ī | | STRA | NIA | | | | |)gy | ine iii |
| Depth | Type No | Result | Depth | ppmv | 3 | Level | (Thick- ness) | | | | SCRIPTIO | | | | Legend | Geology | Instrument Backfill |
| 0.30 0.50-1.00 | D B | | | | | 10.54 | (0.70) - <u>0.70</u> | bro | ots. Gravel is own and very | medium sandy fr | and suban om 0.3m (T | gular if flint. ERRACE [| • | nt | | TD | |
| 1.00-1.40 | U | 39 blows | | | | | | sul | arse SAND a | and GRAV Subrounde | dayey fine to nedium oming gravelly | | | | | | |
| 1.50 2.00-2.50 | D BBD | 1,2,2 | | | | | (1.60) | | | . (| | | 0 | TD | | | |
| | | 4,2,4 N=12 | | | ‡ | 8.94 | 2.30 | | m grev mottle | ed brown | Becoming dark | er er | | | 1 | | |
| 3.00-3.40 | D | 57 blows | | | | | · - | gre | ey with sand estals and with MMERIDGE | sized sek th frequer | to 3.0m. With I | no | | | | | |
| 3.50 | ם | 2.5 | | | | , | - | | | | | | | | | | |
| 4.00-4.50 | BEO | 2,2,3 2,3,3 N=11 | | | | | : (3.80) | | | | | | | KIMM | | | |
| 5.00 | D | | | | | | - | | | | | | | | | | |
| | | | | | | 5.14 | - <u>6</u> .10 | | | | | | | | | | |
| 6.00 | D | | | | | 4.84 | 6.40 | We | eak light grey | | - | | • | | XXX | KIMM | |
| 6.50-7.00 | BEO | 3,4,6 8,9,8 N=31 | | | | 4.24 | (0.60) 7.00 | CL | f dark grey (AY). | CLAY with | rare pyrite | and fossils | (KIMMERIDG | E | | KIMM | |
| - | | | | | | | | | | | | | | | | | |
| Bor | ring P | rogre | ss an | d Wa | ter (| Observa | itions | | С | hiselling | Added | | GENE | RAI | | | |
| Date | Tim | e | Depth | De | Ca epth | asing Dia. mr | n Wate | er t | From | То | То | | REMA | | | | |
| | | | | | | | | | | | | | Gr | round | water strike | e at 2.3 | m. |
| Date | Tim | | Strike | Mir | utes | Standir | g Casir | ng | | | | | | | | | |
| 13-10-05 | | | 2.30 | | | | 1.00 | ° ∥ | | | | | | | | | |

Method/Plant Used

Cable Percussive Rig

Logged By

DB



Date

Time

All dimensions in metres Scale 1:62.5

Strike

Minutes Standing Casing

Contractor / Driller

| Project | | | | | | | | | | | · | | | BOREH | IOLE | No |
|-------------------|------------|------------------|--|----------------|------------|------------------|------------------|-----------|-----------------|------------------------|-------------|---------------|------------------------------|----------------|-----------------|-------------|
| N | orths | towe | | | | | | | | | | | | ВНЕ | 2027 | 7 |
| Job No | | | D | ate 1 | 9-10 | -05 | Groun | id Le | evel (m AOD) | Co-Ord | dinates (OS | 5) | | DHE | 30Z I | 1 |
| 12 | 1706 | 26 | | | 9-10 | | | 10 | 0.690 | E 54 | 10921.07 | 4 N 26 | 5788.748 | | | |
| Supervis | ing En | gineer | | | | | | | Client | | | | | Sheet | | |
| JI | MC / | LF/C | W/I | RLC | | | | | Gallagher | Estates & | English Pa | rtnerships | T _e | 1 (| of 1 | |
| SAME | OI E.C | & TE | 272 | | Γ- | Γ | | 1 | | STRA | ΓΔ | | | | T | Tè |
| OAWII | LLO | Τ | PID | L | Water | | Depth | _ | | Ont | 171 | | | | ğ | E |
| Depth | Type No | Test Result | Danth | Result ppmv | Š | Reduced Level | (Thick- ness) | | | | CRIPTION | | | Legend | Geology | Instrument/ |
| | | | | | | 10.29 | 0.40 | fre | | s. Gravel is | fine to me | edium and | subangular flir | | TPS | |
| 0.40 0.50-1.00 | D B | | | | | | - 1 | M | edlum dense | orange slig | htty gravel | ly fine to co | parse SAND. gravelly from | 0 | | |
| | | | | | | İ | E | 0.9 | 9m. Gravel is | fine to me | dium subai | ngular to si | ubrounded flini | t :: ` | 1 | |
| 1,00-1.50 | BEO | 3,4,6 6,6,5 | | | | | Ė | an | nd chalk (TEF | RRACE DE | POSITS). | | | | 1 | :: |
| | | N=23 | | | | | [(2.40) | | | | | | | | † _{TD} | |
| | | 1 | 1 | | | ł | (2.40) | | | | | | | | 1 '' | |
| 2.00-2.50 | BEO | 4,4,7 | | | | | F | | | | | | | |] | |
| | | 6,5,7 N=25 | 1 | | | | Ę | | | | | | | | _ | |
| | | | | | | 7.89 | 2.80 | | | | | | | | } | |
| 2.80 | D | 4 | | | | | - | | rm to stiff gre | y CLAY (K | IMMERIDO | GE CLAY) | | | | |
| .00-3.40 | U | 40 blows | | | | | [(1.10) | | | | | | | <u> </u> | КІММ | : |
| 3.50 | D | | | | | | [(1.10) | | | | | | | === | - | ŀ |
| | | ŀ | | | | 6.79 | 3.90 | | | | | | | | | : |
| 4.00-4.50 | BCD | 8,9,13 16,9,7 | | | | 6.49 | 4.20 | 1 | oderately we | | | | | × × × | KIMM | ‡: |
| | | N=45 | | | | | Ē | St | iff grey CLAY | with rare : ECLAY). | gravel size | d fossil trag | gments | | 1 | |
| | | | | | | | - | ` | | , | | | | === | 1 | |
| 5.00-5.40 | U | 67 blows | | | | | <u>-</u> | | | | * | | | F | | ŀ |
| | | | | İ | | | (2.00) | | | | | | | | KIMM | : |
| 5.50 | D | | | | | 1 | Ė | | 4 | | | | | | | |
| | | | | | | | Ē | | | | | | | | } | : |
| | | | 1 | | | 4.49 | 124 | 10 | eak grey SIL | TSTONE (| KIMMERIC | GE CLAY | ١ | × × × | KIMM | ŀ |
| 6.50-6.90 | ں ا | 100 blow | Į | 1 | | 4.19 | 6.50 | '1 | tiff grey CLA | | | | | <u> </u> | · KIIVIIV | 1: |
| 0.50-0.50 | " | 00 510** | 1 | | | 3.69 | (0.50) 7.00 | (K | IMMERIDGE | E CLAY). | graver size | น 103311 กลรู | girici ita | | KIMM | 1 |
| 7.00 | D | | | | | 3.03 | 7.00 | 1 | | | | | - | | | Ť |
| | | | | | | | Ė | | | | | | | | | |
| | | | | | | | E | | | | | | | | | |
| | | | | | | | <u> </u> | | | | | | | | | |
| | | | | | | | E | | | | | | | | | |
| | | | | | | | Ė | | | | | | | | | |
| | | | | | | | E | | | | | | | | | |
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| | | | | | | | E | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Вс | oring | Progre | ess a | | | Observ | | | (| Chiselling | | Water | Added | GEN | | |
| Date | Ti | me | Dept | h [| C Depth | Casing Dia. r | nm Dr | ter ot | From | То | Hours | From | То | REMA | ARKS | |
| | | | Depth Casing Depth Dia mm Dpt From To Hours From 1 | | | | | | | | | | | lo groundwater | encount | en |

Method/Plant Used Cable Percussive Rlg

Logged By

DB



| | | | | | | | | OREHOL | LLUG | | | | | |
|------------|------------|------------------------|--------------|----------------|-------|-------------------|--------------------------|---|---|--|--------------------|-------------------------|---------|-------------------------|
| Project | | | | _ | | _ | • | | ** | | В | OREH | OLE | No |
| | orths | towe | | | | | | | | | | | | |
| Job No | | | Da | ate 20 | 0-10 | -05 | Ground | d Level (m AOD) | Co-Ordinates (O | S) | | BHE | 3028 | 5 |
| | 1706 | | | 2 | 1-10 | -05 | | 12.700 | E 540350.8 | 54 N 265596.750 | 2 | | | |
| Supervisi | _ | - | | | | | | Client | | | She | eet | | |
| | | LF/C | | RLC | | | | Gallagher E | states & English Pa | artnerships | | 1 0 | of 1 | |
| SAMP | LES | | _ | | 15 | | | | STRATA | | | | | ant/ |
| Depth | Type No | Test Result | PID Depth | Result ppmv | Water | | Depth Thick- ness) | | DESCRIPTION | | | Legend | Geology | Instrument/ Backfill |
| 0.50 | D | | | | | 12.20 | (0.50) 0.50 | Dark brown claye fine to medium a Becoming more | y slightly gravelly s nd subrounded of s clayey from 0.3m w | andy TOPSOIL. Grave andstone and flint. ith medium subangula | el is er flint. | 1. 11. 1 17. 17. 17. | TPS | |
| 0.50-1.00 | В | | | * | | [| | Firm to stiff brown | mottled grey and | orange sandy slightly | | | | |
| 1.00-1.40 | υ | 60 blows | | | | [| | sandstone, rare b | ravel is fine to coar ooulders at 2.8m (K | se and subangular IMMERIDGE CLAY | | | | |
| 4 50 | _ | | | | | 1 | | REWORKED). | | | | | | |
| 1.50 | D | | | | | | (2.70) | | | | | 0 | | |
| 2.00-2.50 | | | -0- | KIMM | | | | | | | | | | |
| | | 6,5,6 N=22 | | | | [| | | | | | • | | |
| | | | | | | | | | | | | | | |
| 3.00-3,50 | В | 8,9,7 | | | | 9.50 | 3.20 | | | | | <u> </u> | | |
| | | 6,8,9 N=30 | | | | 9.50 | 3,20 | Stiff grey CLAY (I | KIMMERIDGE CLA | AY). | | | | |
| 3.20 D D | | | | | | | | | | | | | | |
| 4.00-4.50 | В | 10,8,7 | | | | E | . | | | | i i | | | |
| 4.00-4.50 | | 6,7,8 N=28 | İ | | | E | | | | | | | | |
| Ì | | 1,4-2,0 | | | | E | | | | | 10 | === | | |
| | | | | | | E | | | | | | | | |
| 5.00-5.40 | υ | 70 blows | | | | E | (3.80) | | | | | = | KIMM | |
| 5.50 | D | | | | | E | | | | | | | | |
| | | Ì | | | | Į. | | | | | | | | |
| 6.00 | D | | | | | F | | | | | | | | |
| 6.50 | В | 7.5.4 | | | 1 | E | | | | | | | | |
| | | 7,5,4 5,6,5 N=20 | - } | Ì | İ | 5.70 | 7.00 | | | | | == | | |
| | ĺ | | 1 | | | 5.70 | 7.00 | | | | | | | - |
| | | | - 1 | ł | | E | | | | | | | | (|
| - 1 | ĺ | | 1 | ĺ | | F | 1 | | | | | | | |
| j | ļ | | | | - 1 | F | 1 | | | | | | | |
| i | İ | | | | | E | | | | | 70 | | | |
| [| J | | | ł | | E | | | | | | | | |
| | i | | | | | Ļ | | | | | | 18 | | |
| | | | | | | ŧ | | | | | | | | |
| | | | | | | F | | | | | | | ł | |
| | | | | | | E | | | | | | | | |
| | | | | | | Observat | | Chi | selling | Water Added | | GENE | | |
| Date | Tim | e C | Depth | De | epth | sing Dia. mm | Water Dpt | From | To Hours | From To | ı | REMAI | RKS | |
| | | | | | | | | | | | No grour | ndwater e | ncounte | red. |
| | | | | | | | | | | | | | | |
| Date | Ti | | Madle: | | | 0, | <u> </u> | _ | | | | | | |
| Date | Time | F S | Strike | Min | utes | Standing | Casing | <u>- </u> | | | | | | |
| 1 | | | | | | | | | | | | | | . / |
| | | | | -L | | | | | | | L | | | - 61 |
| All dimens | sions i | n metre | s C | ontrac | tor/ | Driller | | Method/F | Plant Used | | Logged | Bv | | |



| | | | | | | | | ON | _1 10 | | _00 | | | | | | |
|--|----------------------|---|---|----------------|--------------|-------------------|---------------------------|-----------------|--------------------|--------------|-----------------------|--------------|----------------------|-------------|----------------|---------|------------|
| Project N | Jorths | stowe | | | | | | | | | | | | | BOREH | IOLE | No |
| Job No | VOILIS | stowe | П | ate o | | | Grour | nd Level | (m AO | D) Co | Ordinates (| 06) | | | BHE | 302 | 9 |
| 12 | 21706 | 626 | | 2 | 0-10 0-10 | 1-05)-05 | 0,00 | 13.03 | - | | 540499.5 | | 65599.99 | 0 | | | |
| Supervis | sing Er | ngineer | | | | | | | Client | | | 311 142 | | — | heet | | |
| J | MC / | LF/C | CW / F | RLC | | | 10 | | Sallaghe | er Estates | & English F | Partnership | S | | 1 (| of 1 | |
| SAMF | PLES | & TE | STS | | | | | | | STF | RATA | | | | | | <u></u> |
| Depth | Type No | Test Result | PID Depth | Result ppmv | Water | Reduced Level | Depth (Thick- ness) | | | D | ESCRIPTIC |)N | | | Legend | Geology | Instrument |
| | | | - | | | 12.73 | | MADE | GROU | JND: Gra | ss over tops | oil. | | | <u>37. 37.</u> | TPS | |
| 0.50-1.00 0.80 1.00-1.50 | B D B | 13,18,9 7,8,12 N=36 | | | | | (1.90) | htly blocks. | | MG | | | | | | | |
| 2.00-2.50 | В | 12,15,16 12,15,18 N=61 | | | | 10.83 | - <u>2</u> .20 | | brown | and oran | ge dayey ve | ery gravelly | fine to coan | | **** | | :目 |
| 2.20 | D | N-01 | | | | 10.33 | (0.50) 2.70 | SAND | . Grave | l is fine to | medium su ACE DEPO | ibangular to | subrounde | ed filnt | · · · · · · | TD | |
| 3.00-3.40 | U | 70 blows | (0.70) Firm to stiff grey rarely brown slightly sandy slightly gravelly | | | | | | | | | | | ravel is | | TD | |
| 3.50 | | ļ | (0.70) Firm to stiff grey rarely brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium and subrounded chalk with subrounded flint from 3.2m. Becoming stiff and dark grey was | | | | | | | | | | | | | TD | :目 |
| 3.70 | D D | | 9.33 3.70 CLAY. Gravel is fine to medium and subrounded chalk wit subrounded flint from 3.2m. Becoming stiff and dark grey no gravel from 3.5m (TERRACE DEPOSITS). | | | | | | | | | | | | | | |
| 4.00-4.50 5.00-5.40 5.50 6.00 6.50 | D D | 9,7,8 9,8,6 N=31 00 blows 6,6,12 16,12,9 N=49 | | | | 6.03 | 7.00 | Stiff gro | ey grav inded c | elly CLAY | ERRACE DI | ine to medi | ium and n (KIMMER | RIDGE | | KIMM | |
| | | | | d Wa | | Observa | | | | Chisellin | g | Water | Added | | GENEF | | |
| Date | Time | e l | Depth | De | pth a | sing Dia, mn | Wate Dpt | <u></u> | rom | То | Hours | From | То | | REMAR | | |
| Date | Time | е 5 | Strike | Min | utes | Standin | g Casing | 9 | | - | | | _ • | No grou | indwater en | ∞unter | red. |
| All dimens Sca | sions in ale 1:62 | | es C | ontrac | tor / [| Oriller | | | Metho | od/Plant U | sed Cable Perc | ueejva Dia | | Logged | I By DB | | |
| | | | | | | | | | I . | | Canic LGIC | ussive Kig | | | חם | | |



| Project | | | | | | - | - | | | | - | | | BC | DREH | OLE | No |
|-------------------|--|----------------|-------|----------------|-----------|-------------------|--------------------------|-----------------|----------------------------|---------------------------|------------------------------|------------------------|-----------------------|---------|----------------------------------|----------------|-------------------------|
| No | orthst | owe | | | | | | | | | | | |] , | внв | 030 | |
| Job No | | | Da | ite 20 |)-10- | 05 | Ground | Level | (m AOD) | Co-Ord | inates (OS) | | | ' | טו וט | 030 | ' |
| 121 | 7062 | 26 | | |)-10- | | | 12.16 | 30 | E 54 | 0688.539 | N 2656 | 306.548 | | | | |
| Supervisir | ng En | gineer | | | | | | С | lient | | | | | Shee | | | |
| JN | /C / I | LF / C | W/F | RLC | | | | G | Sallagher | Estates & E | English Parti | nerships | | | 1 0 | f 1 | |
| SAMP | LES | & TES | STS | - | | | | | | STRAT | A. | | | | | | aut |
| Depth | Type No | Test Result | DID | Result ppmv | Water | | Depth Thick- ness) | | | DESC | CRIPTION | | | 1 | Legend | Geology | Instrument/ Backfill |
| , | | | | | | 11.66 | (0.50) 0.50 | mediu | ım and sı | ıbangular fl | int. | | ravel is fine t | ¥ | 7 - 5-4 - 7 3 - 5 - 5 - 7 - 7 | TPS | |
| 0.50 0.50-1.00 | D B | | | | | | -(1.00) | Soft d suban | lark browi ngular flini | n sandy slig t (TERRAC | htly gravelly E DEPOSIT | (CLAY, Gr S). | avel is fine a | and | <u>-</u> | TD | |
| - 1.00-1.40 | U | 30 blows | | | | E | | | | | | | | - | | | |
| 1.50 | D | | | | | 10.66 | 1.50 | mottlir | na and se | elenite crvst | grey very sa als below 2. | andy CLAY 4m With n | '. Yellow o yellow | | | | |
| 2.00-2.50 | BED | 1,2,3 1,2,2 | Ì | | | | . | motuir | ng (TERF | RACE DÉP | JSI15). | | | | | | - |
| | | N=8 | | | | | (0.00) | | | | | | | | | TD | |
| E | | | | | | | (2.30) | | | | | | | | | 10 | |
| 3.00-3.40 | U | 41 blows | | | | ļ | · | | | | | | | ŀ | | | 1 |
| ŧ | | | | | | | | | | | | | | Ī | | | |
| 3.50 | D | | Ì | | | 8.36 | 3.80 | Firm I | hecomino | stiff lamins | ated arev sliv | ahtly CLA | / with rare b | rown | | | 1 |
| 4.00-4.50 | BEO | 3,4,4 5,4,5 | | | | | - | pocke | ets of san | d. With no | pockets of s | and from 6 | with rare bi | | === | | |
| ŧ | | 5,4,5 N=18 | Ì | | | | : | (KIM | MERIDGI | E CLAY). | | | | | | } | |
| Ė | | | | | | | | | | | | | | | === | | |
| 5.00-5.40 | U | 76 blows | s | | | | - | | | | | | | | === | ł | |
| | | | | | | | (3.20) | | | | | | | | | кімм | 4 |
| 5.50 | D | | | ١. | | | | | | | | | | | | 1 | |
| 6.00 | D | | | | | | - | | | | | | | | == | 1 | |
| E 8.00 | | | | 1 | | | | | | | | | | | | 1 | |
| 6.50 | В | 7,5,4 6,6,7 | | | | | | | | | | | | | | 1 | |
| <u>E</u> | | N=23 | | | | 5.16 | 7.00 | | | | | | | | | — | ļl |
| ŧ | | | | | | | | | | | | | | | | | |
| E | 1 | | | 1 | | | [| | | | | | | | | | |
| Ē | | | | | | | E | | | | | | | | | | |
| E | 0 | ı | | | | | | | | | | | | | | | |
| E | | | | | | | E | | | | | | | | | 1 | |
| Ė | | | | | | | Ē | | | | | | | | | | |
| E | | | | | | | F | | | | | | | | | | |
| ŧ | | | | | | | E | l | | | | | | | | | |
| E | | | | | | | | | | | | | | | | | |
| B | oring | Progr | ess a | and W | /ater | Observ | ations | | | Chiselling | j | Water | Added | | GENE | | |
| Date | 1 | ime | Dep | | | asing I Dia. m | | er | From | То | Hours | From | То | | REMA | ARKS | · |
| | 1 | 1 | | | | | | | | | | | | No grou | undwater | encoun | tered. |
| | | | | | | | | | | | | | | | | | |
| | Ì | | | | | | | | | | | | | | | | |
| Date | += | ime | Strik | e h | /linute | s Stand | ing Casi | ing | | | ļ | | | | | | |
| | | | 2411 | <u> </u> | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| All dim | ensior | ns in me | etres | Cont | ractor | / Driller | | | Meti | nod/Plant U | | | | Logge | d By | | |
| | Scale 1 | | | | | | | | | | Cable Perc | ussive Rig | | | Ď | R | |



| | | Fax: | | | | | В | OREHOLE LOG | | | |
|--------------------------------|-------------|---------------------------|-------|----------------|----------|------------------|-----------------------------|--|--|----------------|------------|
| Project | | | | | | | | | BORE | OLE | No |
| Job No | North | stowe | | | | | | | BH | 202 | 4 |
| | 2470 | 200 | ا | | | 1-05 | Grour | d Level (m AOD) Co-Ordinates (OS) | DUI | 503 | J |
| | 2170 | | | 1 | 7-10 | 0-05 | | 13.140 E 540899.569 N 265600.003 | طار لا | | |
| Supervi | _ | | | | | | | Client | Sheet | | |
| | | LF/C | | RLC | | T | | Gallagher Estates & English Partnerships | 1 (| of 1 | |
| SAIVII | PLES | S & TE | | , | 草 | | Donath | STRATA | | × | ent |
| Depth | Type No | Test Result | Depth | Result ppmv | Water | Reduced Level | Depth (Thick- ness) | DESCRIPTION | Legend | Geology | Instrument |
| | | | | | | 12.84 | 0.30 | Firm brown sandy TOPSOIL. | 74 F 74 V | TPS | |
| 0.50 0.50-1.00 1.00-1.40 | D B U | 39 blows | | | | | (1.60) | Firm brown and orange mottled white and grey sandy slightly gravelly CLAY. Gravel is fine to medium and subrounded cha and sandstone (TERRACE DEPOSITS). | lk | TD | |
| 1.90 2.00-2.50 | D 8 | 2,2,2 3,2,4 N=11 | | | | 10.14 | 1.90 (1.10) | Soft to firm orange brown mottled grey sandy slightly gravelly CLAY. Gravel is medium to coarse angular to subangular film (TERRACE DEPOSITS). | | TD | |
| 3.00-3.50 | В | 6,3,2 3,4,3 N=12 | | | ∓ | | (0.80) | Medium dense orange and grey clayey very gravelly fine to coarse SAND. Gravel is fine to medium subangular to subrounded flint and sandstone (TERRACE DEPOSITS). | 0 | TD | |
| 3.80 4.00-4.40 5.00-5.50 | BEC BEC | 79 blows 4.2.3 2.2.3 N=10 | | | | 6.64 6.34 | (2.70) - 6.50 6.80 | Firm to stiff grey CLAY (KIMMERIDGE CLAY). Weak grey SILTSTONE (KIMMERIDGE CLAY). | | KIMM | |
| | • | N=11 | 31 | | | 6.14 | | Firm to stiff grey CLAY (KIMMERIDGE CLAY). | | MMIX | |
| | | | | | |)bserval | | Chiselling Water Added | GENEF | | |
| Date Date '-10-05 | Tim | e S | trike | De Minu | rtes | Standing 3.50 | | From To Hours From To Str. | REMAR ata damp from 3 bundwater strike | KS m to 3.8 | Bm. 1. |
| All dimen | sions i | | s C | ontract | or / [| Oriller | | Method/Plant Used Log Cable Percussive Rig | ged By DB | | |



| Northstowe Date 19-10-05 19-10-05 13-010 E-541103.778 N 265607.065 Supervising Engineer JMC / LF / CW / RLC Slant Saltage States & English Partnerships Sheet Saltage States & English Partnerships Sheet States & English Partnerships Sheet States & English Partnerships Sheet States & English Partnerships States & English Partnerships States & English Partnerships Sheet States & English Partnerships States & English Partnerships Sheet States & English Partnerships Sheet States & English Partnerships Sheet States & English Partnerships Sheet States & English Partnerships Sheet States & English Partnerships Sheet States & English Partnerships Sheet States & English Partnerships Sheet States & English Partnerships Sheet States & English Partnerships Sheet States & English Partnerships Sheet Sheet Sheet States & English Partnerships Sheet Sheet States & English Partnerships Sheet Sh | Project | | | | | | | | | | E | BOREHO | OLE N | 10 |
|--|--------------------------------|--------|--|-------|--------|------------|-------------|---------|--|--|------------|--------|--------|------------|
| Depty Dept | - | orthst | owe | | | 4 | | | | | | рЦР | ດວວ | |
| 12170626 | Job No | - | | Di | ate 10 | 10 | 05 | Ground | Level (m AOD) | Co-Ordinates (OS) | | БПБ | USZ | |
| Client SAMPLES & TESTS Depth Type Test PiD Result Depth No Result Depth No Result Depth No Result Depth No Result Depth Depth No Result Depth | 12 | 17062 | 26 | | | | | | 13.010 | E 541103.778 N 265607.065 | 5 | | | |
| SAMPLES & TEST PiD Result PiD Result PiD Popmw PiD Result PiD Popmw PiD Popmw PiD Popmw PiD Result PiD Popmw PiD P | Supervisi | ng Eng | gineer | | | - | | | Client | - | Sh | | | |
| Depth Type Test Depth Perm | J١ | лС / I | F/C | W / F | RLC | | | | Gallagher E | states & English Partnerships | | 1 0 | f 1 | |
| 12.41 0.60 | SAMF | LES | & TES | STS | | | | | | STRATA | | | ≥ | nent |
| 12.41 0.60 0.60 | Depth | | | | | Wate | | (Thick- | | | | | Geolog | Instrument |
| 0.60-1.00 | | | | | | | 12.41 | | | orown sandy slightly gravelly clay TOPSC | OIL. | | TPS | |
| 4.00 C 16,13,19 25 N=44/ 150 Siltstone cobbles pushed to 5.7m through grey CLAY. 4.40-5.00 BD 25,25,25 N=25/ 25 N=25/ 25 N=25/ 19,8,17 19,18,16 N=70 5.70 D Very stiff grey CLAY (KIMMERIDGE CLAY) (1.30) KIMI | 0.60 1.00-1.50 2.00-2.50 | BEO | N=17 11,9,13 9,10,12 N=44 9,8,7 6,8,9 | | | | 160-71 | | Dense orange bi SAND. Gravel is and rare flint. Be | fine to medium subangular to subrounds coming slightly clayey with small pockets Sand becoming white from 2 (im. Becor | of ning | | ďΤ | |
| 5.00-5.50 B 9.5.17 19.18.16 N=70 | | | 16,13,19 25 N=44/ 150 25,25,2 | 5 | | 1 2 | <u>8.61</u> | 4.40 | Sittstone cobble | s pushed to 5.7m through grey CLAY. | | 0 | | |
| 5.70 D Very stiff grey CLAY (KIMMERIDGE CLAY) (1.30) | 5.00-5.50 | В | 25 9,8,17 19,18,1 | | | | 7.0 | [| | | | | | |
| <u>[]</u> | 5.70 | D | | | | | 1.3 | 5.70 | Very stiff grey C | LAY (KIMMERIDGE CLAY) | | | | |
| 6.01 7.00 | 6.50-6.90 | U | 00 blov | vs | | | 6.0 | | | | | | KIMN | |

| F 1 | general add | 1 1 | 1 1 | | | | | | | | |
|------------------|-------------|----------------|---------------|-------------------|----------------|------|------------|-------|-------|-------|---|
| Во | ring Prog | ress and | Water C | bservation | ons | | Chiselling |] | Water | Added | GENERAL |
| Date | Time | Depth | Ca: Depth | sing Dia. mm | Water Dpt | From | То | Hours | From | То | REMARKS |
| | | | БОРВІ | 5,00 | | 4.4 | 5.7 | 1 | | | Groundwater Strike at 4.7m rising to 4.5m after 15mins. |
| Date 19-10-05 | Time | Strike 4.70 | Minutes 15 | Standing 4.50 | Casing 1.00 | | | | | | |
| | | | - | | | T | | | | | Legged By |

Method/Plant Used Logged By Contractor / Driller All dimensions in metres Scale 1:62.5 DB Cable Percussive Rig



| Project | | | 1 | | BOREHOLE No |
|----------------------|---------------|-------------|-------------|-------------------------------|-------------|
| Northstowe | | | | | DUDASS |
| Job No | Date 18-10-05 | Ground Leve | el (m AOD) | Co-Ordinates (OS) | BHB033 |
| 12170626 | 18-10-05 | 11.5 | 530 | E 541499.569 N 265600.003 | 100 |
| Supervising Engineer | | | Client | 112 | Sheet |
| JMC/LF/CV | V/RLC | t dien. | Gallagher E | states & English Partnerships | 1 of 1 |

| PLES | & TES | STS | | 7. | | | STRATA | | > | ent |
|-------------------|----------------------------|---|--|--|--|----------------------------|--|--|--|--|
| Type No | Test Result | PID Depth | Result ppmv | Wate | Reduced Level | Depth (Thick- ness) | DESCRIPTION | Legend | Geolog | Instrument/ Backfill |
| JJVV | | | | | 11.23 | 0.30 | Grass over soft dark brown clayey sandy TOPSOIL with rootlets. | 77.77 | TPS | |
| ∩ B1111^^ D | B7 blows | | | | | (1.00) | Firm to stiff brown mottled orange sandy slightly gravelly CLAY with some roots. Gravel is fine to medium subrounded chalk and fint (TERRACE DEPOSITS). | - o - | TD | |
| | | | | | 10.23 | 1.30 | Firm grey mottled brown and white very sandy CLAY (TERRACE | <u> </u> | | |
| DB | 2,2,2 2,3,3 N=10 | | | | | (1.70) | DEPOSITS). | | KIMM | |
| | | | | | 8 53 | 3.00 | | | | |
| BJJJV | 6,3,2 | | | | 8.33 | 3.20 | Medium dense orange brown slightly gravelly fine to coarse | 0 | TD | |
| | 3,4,4 N=13 | | | | | | SAND. Gravel is fine subrounded chalk (TERRACE DEPOSITS). / Soft to firm grey mottled orange SILT/CLAY. No mottling from 4.5m (TERRACE DEPOSITS). | × × × × × × × × × × × × × × × × × × × | | |
| DB | 2,2,1 1,2,3 N=7 | | | | | (2.30) | | × × × × × × × × × × × × × × × × | TD | |
| U | 70 blows | | | | | | | × × × | | |
| D | | | | | 6.03 | 5.50 | Vany stiff gray CLAV Sittstone neckets from 6.3m | | | |
| | | | | | | | (KIMMERIDGE CLAY). | | | |
| D | | : | | | | (1.50) | | | кімм | |
| DB | 9,11,10 8,12,11 N=41 | | | | 4.53 | 7.00 | | | | |
| | | | | | | | | | | |
| | Type No DB BJJ/V DB DB | Type Result No Result JJVV D BJJJVV U B7 blows D DB 2,2,2 2,3,3 N=10 BJJJVV 6,3,2 3,4,4 N=13 DB 2,2,1 1,2,3 N=7 U 70 blows D DB 9,11,10 8,12,11 | DB 2,2,2 2,3,3 N=10 DB 2,2,1 1,2,3 N=7 U 70 blows D DB 9,11,10 8,12,11 | Type Result No Result PID Depth Result ppmv JJVV D BJJJVV B BJJJVV B BJJJVV B BJJJVV B BJJJVV B BJJJVV B BJJJVV B BJJJVV B BJJJVV B B B B | Type Result PID Result PPM Ppmv A JJVV D BJJJVV D BJJJVV B BJJJV B BJJJVV B BJJJV B BJJJV B BJJJV B BJJJV B BJJJV B BJJJV B BJJJV B BJJJV B BJJJV B BJJJV B BJJJV B BJJJV B BJJJV B BJJJV B BJJJV B BJJJV B BJJJV B BJJJV B BJJV B BJJJV B B | Type Test PID Result | Type Test PiD Result PiD Result PiD Result PiD Result PiD Result PiD Result PiD Result PiD Result PiD Result PiD Result PiD Result PiD Result PiD Result PiD Result PiD Result PiD Result PiD Result PiD | Type Result Depth Result No PiD Result No PiD Result No PiD Result No PiD Result No PiD Result No PiD Result No PiD Result No PiD No Pi | Type Result Peph Result No | Type Result Depth ppmw P Result No Result Depth Result De |

| Во | ring Prog | ress and | Water C | bservatio | ons | | Chisellin | g | Water | Added | GENERAL |
|------|------------------------|----------|---------------|-------------------|--------------|------|-------------|--------------------|------------|-------|------------------------------|
| Date | Time | Depth | Ca Depth | sing Dia. mm | Water Dpt | From | То | Hours | From | То | REMARKS |
| 50 | | | | | | | | | | Э | Groundwater not encountered. |
| Date | Time | Strike | Minutes | Standing | Casing | | | | | | 3 |
| | nsions in moale 1:62.5 | etres Co | ontractor / I | Driller | - (v 70) | Met | hod/Plant U | lsed Cable Perc | ussive Rig | | Logged By DB |



| | | | | | | | D | OREHOL | E LUG | | | | |
|--------------|---------------|------------------------|--------|----------------|----------|--------------------|---|--|---|---|----------------|-------------|----------|
| Project | | | | | | | - | | | | BORE | HOLE No | |
| | orths | towe | | | | | | | | | ри | B034 | |
| Job No | | | . Da | O | 3-11 | -05 | Ground | d Level (m AOD) | Co-Ordinates (O | • | DHI | DU34 | |
| | 1706 | | | 08 | 3-11 | -05 | | 8.760 | E 541699.5 | 19 N 265600.003 | ii. | | |
| Supervisir | • | - | | | | | | Client | | | Sheet | | |
| JN | /IC / I | LF / C | W/R | LC | | | | Gallagher B | Estates & English Pa | artnerships | 1 | of 1 | _ |
| SAMP | LES | & TES | STS | | <u>_</u> | | 100000000000000000000000000000000000000 | | STRATA | | | ent | - |
| Depth | Type No | Test Result | | Result ppmv | Water | | Depth (Thick- ness) | | DESCRIPTION | l | Legen | Geology | Backfill |
| | | | | | | 8.56 | 0.20 | Grass over brow | n sandy silty TOPS | OIL. | 35.7 | * TPS | П |
| 0.80 | D JJJA | | | | | | (1.30) | Firm brown sand flint. Becoming y (TERRACE DEF | dy slightly gravelly C vellow brown and ve POSITS). | LAY. Gravel is subround ry sandy from 0.8m | ded | то | |
| 0.90 1.00 | n 1110 | 76 blows | | | | [| | | | | | | |
| 1.50 | D | | | | | 7.26 | 1.50 | Firm pale vellou | hroun to off white | slightly gravelly slightly s | andy 0 | : | 目 |
| 2.00-2.50 | DB | 1,2,3 3,4,4 N=14 | | | | | 7 | CLAY. Gravel is and flint. Becom | fine to medium sub | angular to subrounded of from 2.4m. Becoming s | chalk | | |
| 3.00 | U | 30 blows | | | | | (3.20) | | | | | - ТО (| |
| 3.50 | D | • | | | | | | | | | | | |
| 4.00-4.50 | DB | 1,1,1 1,2,2 N=6 | | | | 4.00 | 4.70 | | | | e. | | |
| 5.00-5.50 | DB | 2,4,4 5,6,7 N=22 | | | | 4.06 | - ` | Stiff grey mottle at 6m (KIMMER | d grey brown CLAY NDGE CLAY). | Becoming stiff to very | stiff | | |
| 6.00 | 0117 \ | | | | | | (2.30) | | | | | КІММ | |
| 6.50 | U f | 00 blows | | | | 1.76 | 7.00 | | | | | | |
| 7.00 | D | | | | | | | | | | | | |
| Bor | ina F | roare | ss ar | nd Wa | ater | Observa | itions | C | hiselling | Water Added | GEN | LLL ERAL | |
| Date | Tim | <u> </u> | Depth | | | asing Dia. mr | | | To Hours | From To | | ARKS | |
| Date | Tim | | Strike | | nutes | | | | | | Groundwater no | | rd. |
| All dimen | sions | in metr | es (| Contra | ctor | / Driller | | Method | d/Plant Used Cable Per | zussive Rig | Logged By | 10 | |



| | | -ax: | | | | | | D | JKE | | LE LC | JG | | | | | | |
|-------------------|-------------------|---|--------------|----------------|--------|--------------------|-------------------------------|------------|------------------|---------------------------------|------------------------------|------------------------------|---------------------------|---|-------|---------------------------------------|---------|------------|
| Project | | | | | | | * | | | | | ¥. | | | E | BOREH | OLE | No |
| N | orthst | owe | | | | | | | | | | | | | | внв | 035 | 5 |
| Job No | | | Da | | 1-10 | | G | round | Level (n | | | linates (OS | i e | 000 007 | | | | |
| | 17062 | | | 3 | 1-10 | -05 | | | 8.200 | | E 54 | 1699.54 | 9 N 265 | 399.997 | Sh | eet | | |
| Supervis | | - | | N C | | | | | | ent | Catatan 9 | Coalieb Ba | dnombine | | 311 | 1 0 | f 1 | |
| | | _F/C | | KLC | | | | | Ga | llagner | Estates & | | i ti lei si ilps | | | | | 2 |
| SAMF | PLES | & TES | | | Į. | | D. | epth | | | STRA | IA | | | | | gy | inen E |
| Depth | Type No | Test Result | PID Depth | Result ppmv | | Reduced Level | (Thick ness) | k- | | | | CRIPTION | | | | Legend | Geology | Instrument |
| | | | | | | 7.70 | (0.5 | 0) 0.50 | Soft bro | wn sar | ndy clayey 1 | OPSOIL. | | | | 7.77.7 | TPS | |
| 0.50-1.00 0.60 | D B111A | | | | | 7.70 | L | 0) 1.00 | subrour | nded to | n gravelly v subangula | ery sandy or chalk and | CLAY. Grav filnt (TERF | rel is fine ACE | | | TD | |
| 2.00 | BD D111A | 12,8,10 8,9,10 N=37 8,7,6 5,7,7 N=25 | , | | | 7.20 | (2.0 | | Gravel i | ight yel is fine t ng med | o medlum s | subrounded | i to subana | velly SAND. ular flint. 2m (TERR/ | | 0 | TD | |
| Ē . | | | | | ₹ | F 20 | Ē, | 3.00 | | | | | | | | 0 | | |
| 3.00 | D | 9,7,6 6,7,8 N=27 | | | | 5.20 | | 3.00 | Medium medium | dense subar | e brown clay ngular to an | ey gravelly gular flint (| / SAND. Gr TERRACE | avel is fine to DEPOSITS) | 0 | · · · · · · · · · · · · · · · · · · · | | |
| 4.00 | D | 8,5,7 6,5,9 N=27 | i. | | Ì | | (2.7 | 0) | | | | | | | | 0 | TD | |
| 5.00 | D | 7,4,5 4,6,7 N≃22 | L | | | 2.50 | | 5.70 | | - | / CLAY. Wi | | Hi for | Em | | a | | |
| 5.70 | D | | | | | | [- - - - (1.3 | 0) | (KIMME | ERIDG | E CLAY). | in grey mo | ung nom | | | | KIMN | |
| 6.50 | D | 4,3,3 2,3,4 N=12 | | | | 1.20 | | 7.00 | | | | | | | | | | |
| 7.00 | D | | | | | | | | | | | | | | | | 8) | |
| | | | | | 9 | | | | | | | | | | | | | |
| B B | oring | Progre | ess a | | | Observ | | าร | | | Chiselling | , | Water | Added | 4. | GENE | | |
| Date | | me | Dept | | | Casing 1 Dia, r | | Wat Dp | er F | rom | То | Hours | From | То | Grove | REMA | | |
| Date | Tiı | me | Strike | e M | linute | es Stand | ding | Casi | ng | | | | | | | idwater end rising to 2m | | |
| | | | 2.70 |) | 15 | 2.0 | 00 | | | | | | | | | | | |
| All dim | ension Scale 1 | s in me | tres | Contr | actor | / Driller | | | | Meth | nod/Plant U | | cussive Rig | | Logg | ed By | В | |



| Project | | | | | | | | | | | | * | | E | BOREH | OLE | No |
|----------------|------------|-----------------------|--------------|----------------|--------|--------------------|--------------------------|-----------|--------------------------------------|----------------------------|------------------------------|------------------------------|---------------------------------------|------------------|----------------|---------|-------------------------|
| | lorths | towe | | | | | | | | | | _ | | | BHE | รกรด | • |
| Job No | 4700 | 00 | D | ate 1 | 2-10 | -05 | Groun | | vel (m AOI | | Ordinates (C | • | | | DITE | 3030 | , |
| 12 Supervis | 1706 | | | 1 | 2-10 | -05 | | 12 | 2.920 | E : | 541451.9 | 08 N 26 | 55436.826 | | - | | |
| | | LF/C | ۱۸//ت | OI C | | | | | Client | - F.1.1 | | | | Sh | eet | | |
| | | | - | \LC | | | | | Gallagne | | & English F | artnerships | | | 1 c | of 1 | |
| SAMF | LES | & IE | | | ter | - | Donth | | | STRA | ATA | | | | т | 25 | nent |
| Depth | Type No | Test Result | PID Depth | Result ppmv | Water | | Depth Thick- less) | | | | SCRIPTIO | | | | Legend | Geology | Instrument/ Backfill |
| | | | | | | 12.22 | (0.70) 0.70 | Gr | ass over so avel is med | oft brown si dium subar | andy slightl Igular to an | y gravelly c gular flint. | lay TOPSOIL | • | | TPS | |
| 0.70 | D | | | | | : | | Lo | ose to med | lium dense | orange bro | wn very da | yey fine to co | arse | 10.10 | TD | |
| 1.00 | υ | 39 blows | | | | 11.82 11.62 | 1.10 1.30 | SA Sul | ND and Gl brounded fl | RAVEL. Gi lint and cha | ravel is fine alk (TERRA | to coarse s | subangular to | | - 0 | KIMM | |
| 1.30 1.50 | D | | | | | - | 1.00 | Sti | ff brown sa | ndv slighth | oraveliv C | LAY, Grav | el is fine to | / | | KIIVIIV | :目: |
| 2.00-2.50 | DB | 1,0,1 2,2,3 N=8 | | | | 1 | | So | tto firm brothly silty sa MMERIDG | own mottle | ed grey CLA | Y. With gra | AY REWORK avel sized ora m 2.5m | ŒD)./ | | | |
| 3.00 | U | 56 blows | | | | F | | | | | | | | | | | |
| | | | | | | E | (4.00) | | | | | | | | === | кімм | 目: |
| 3.50 | D | | | | | ŧ | | | | | | | | | | | : 目: |
| 4.00-4.50 D | BJJJV | | | | | F | | | | | | | | | === | | .目: |
| | | 3,3,4 N=14 | | | | E | | | | | | | | | | | :目: |
| • | | | | | | ŧ | | | | | | | | | | | :目: |
| 5.00 | U | 60 blows | | | | } | | | | | | | | | | | :目: |
| | | | | | | 7.62 | 5.30 | Stif | f brown mo | ottled arev | sandy CLA | V with rare | pockets of sa | nd. | | | .目. |
| 5.50 | D | | | | | ŧ | | gra | vel. Gravel | l is fine rou | nded chalk | . Becoming | very stiff fron | n | = | | :目: |
| 6.00 | D | | | | | E | | 0.5 | m (KIMME | RIDGE CL | AY REWO | RKED). | | | | | :目: |
| 0.00 | | | | | | £' | (1.70) | | | | | | | | | KIMM | :目: |
| 6.50-7.00 | DB | 7,0,6 25,20 | | | Ì | E | | | | | | | | | | | 目: |
| - | | N≃51/ 145 | | | | 5.92 | 7.00 | | | | | | | | | | <u>:目:</u> |
| Во | ring F | | ss ar | nd Wa | iter (| Observat | ions | | | Chiselling | 1 | Water | Added | | | | |
| Date | Tim | | Depth | | | ising Dia. mm | | r | From | To | Hours | | | | GENEI REMAI | | |
| | -"1 | - | pui | ⊥ De | epth | Dia, mm | _ Dpt | \dashv | 1 10111 | 10 | riours | From | То | | | | |
| | | | | | | | | | | | | | | arou n d\ | water not e | moounte | ered. |
| Date | Tim | e S | Strike | Min | utes | Standing | Casin | g | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| All dimer | nsions | in metre | es (| Contrac | tor / | l Driller | <u> </u> | | Meth | od/Plant Us | sed | | | .ogged | Bv | | =(|
| | ale 1:6 | | | | | | | | | | Cable Perc | ussive Rig | - | .oggcu | DB | | |



All dimensions in metres Scale 1:62.5 Contractor / Driller

| Project | | | | - | | | | OREHOL | | | . | BORE | HO! E | No |
|------------------------|------------|------------------------|----------------|----------------|-------------|-------------------|---------------------------|---|---|----------------------------|----------------------------------|---|-------|------------|
| - 1 | lorths | towe | | | | | | | | | | | | |
| Job No | | | Da | ate 2 | 7-05 | -09 | Groun | d Level (m AOD) | Co-Ordinates (O | S) | | BH | B03 | 7 |
| 12 | 1706 | 26 | | | 7-05 | | | 14.280 | E 541299.72 | 23 N 26 | 5395.545 | | | |
| Supervis | - | _ | T., F | | | | | Client | | | | Sheet | | |
| JI | MC / | LF/C | <u>W/</u> F | RLC | | | 1 | Gallagher E | states & English Pa | artnerships | | 1 | of 1 | |
| SAMF | LES | & TE | | | , i | | | | STRATA | | | | | ent |
| Depth | Type No | Test Result | PID Depth | Result ppmv | Water | Reduced Level | Depth (Thick- ness) | _ | DESCRIPTION | l | | Legen | 🎳 | Instrument |
| 0.50-1.00 | BJJV | b - | | | | 13.68 | (0.60) - 0.60 | | clayey TOPSOIL. | | | 1. 3. A. | TPS | |
| 1.00-1.50 | 8 | 3,3,4 | | | | - 7 | | Medium dense or Gravel is fine to c (TERRACE DEPO | ange gravelly claye oarse subrounded | ey fine to co to subang | parse SAND. ular flint and ch | nalk | | |
| 1.00-1.50 | ľ | 3,4,6 N=17 | l | | ĺ | | (1.70) | (TERRACE DEF | Jana). | | | |] | |
| | | | | | ₹ | . 4 | E (1.70) | | | | | | TD . | |
| 2.00-2.50 | В | 4,5,6 | | | Ţ | 44.00 | - | | | | | | | |
| | | 4,5,6 5,4,5 N=20 | | | | 11.98 | 2.30 | Stiff grey mottled | brown sandy slight | ly gravelly | CLAY. Gravel | is <u></u> | | 1 |
| | | | | | | | | rare fine to mediu | m subrounded flint GE CLAY REWOR | and chalk | . Becoming so | ft at | = | l |
| 3.00-3.45 | U | 41 blows | | | | | | • | | | | <u> </u> | | |
| | | | | | | | | | | | | <u></u> g- | - | |
| | | | | | | | (3.00) | | | | | | KIMM | |
| 4.00-4.50 | B.£IV | 3,3,3 | | | | | | | | | | 8 | = | |
| | | 2,1,2 N=8 | | | | | | | | | | |] | |
| | | | | | | | | | | | | | | |
| 5.00-5.45 | υ | 90 blows | | | | 8.98 | 5.30 | | | | | | | |
| | | | | | | | | Firm laminated gr | ey CLAY (KIMMER | RIDGE CL | AY). | | - | |
| | | | | | | | | | | | | | | |
| | | | | | | | (1.70) | | | | | | KIMM | |
| 6.50-7.00 6.50-6.95 | B U | 80 blows | | | | | | | | | | | - | |
| 0.00 | | | | | | 7.28 | 7.00 | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | 7 | | | | | | | | | | | |
| | | | | | | | - | | | | | | | |
| | | | | | | { | | | | | | | | |
| | | | | | | | | * | | | | | | |
| | | | | | | | <u> </u> | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | : | | | | | | | |
| | | | | d Wa | ter (| Observa | ations | Chi | selling | Water | Added | GENE | | |
| Date | Tim | ne | Depth | De | epth | sing Dia. mi | m Wate Dpt | From | To Hours | From | То | REMA | RKS | |
| | | | | | | | | | | ı | 2.0 | roundwater end Om rising to 1.8 inutes. | | |
| Date | Tim | 100 | Ctrit- | 14 | | Ct- " | | | | | | | | |
| Date | 1111 | | Strike 2.00 | | iutes 15 | Standir 1.80 | | | | | | | | |
| | | | | | - | | | | -12 | | | | | |

Method/Plant Used Cable Percussive Rig Logged By

DB



| Project | | | | BOREHOLE No |
|----------------------|---------------|----------------------|--------------------------------|-------------|
| Northstowe | | | | BHB038 |
| Job No | Date 27-05-09 | Ground Level (m AOD) | Co-Ordinates (OS) | рпрозо |
| 12170626 | 27-05-09 | 14.930 | E 541103.524 N 265408.946 | |
| Supervising Engineer | | Client | | Sheet |
| JMC/LF/C | CW/RLC | Gallagher E | Estates & English Partnerships | 1 of 1 |
| | | | OTDATA | 1 2 |

| JMC / | LF / C | CW / F | RLC | | | | | Gallagher | Estates & | English Pa | rtnerships | | | 1 o | f 1 | |
|-------------------------------|------------------------|--------------|-------|-------|------------------|---------------------------|-----------|---|------------------------------|---------------------------|-----------------------------|--------------------------|--------|---------------------|---------|-------------------------|
| SAMPLES | & TE | STS | | | | | | | STRAT | ГА | | | | | | ent/ |
| Depth Type No | Test Result | PID Depth | Resul | Water | Reduced Level | Depth (Thick- ness) | | | DES | CRIPTION | | | | Legend | Geology | Instrument/ Backfill |
| | | | | | 14.43 | (0.50) 0.50 | Sof | t brown san | dy clayey T | OPSOIL. | | | | 7. 77. 7 37. 37. | TPS | |
| 0.50-1.00 BJJV 1.00-1.50 B | 1,1,2 1,2,1 N=6 | | | | | (1.10) | Sof | t orange sa dium subro | ndy slightly unded chall | gravelly C and flint (| LAY. Grave TERRACE | l is fine to DEPOSITS | S). | 0 0 | TD | |
| 2.00-2.50 B.SIV | 1,1,2 2,3,2 N=9 | | | | 15.55 | (2.20) | Firm | n grey very pangular cha | gravelly CL alk and flint | AY. Grave (KIMMERI | l is fine to n IDGE CLAY | nedium / REWORK | ŒD). | | КІММ | (|
| 4.00-4.50 B | 1,2,3 4,4,3 N=14 | | | | 11.13 | 3,80 | Firr | n grey sligh bangular ch MMERIDGE | alk and flini | . Becomine | a stiff at 5.0 | s fine to me m | edium | 0 0 0 0 | | |
| 5.00-5.50 B | 1,2,4 4,5,5 N=18 | | | | | (3.20) | | | | | | | | | KIMM | |
| 6.50-6.95 U | 52 blow | vs | | | 7.93 | 7.00 | | | | | | | | - 6- | | |
| | | | | | | | | | | | | | | | | |
| Boring | Progr | ress a | | | Observ | ations | | | Chiselling |] | Water | Added | | GENE | | |
| Date Ti | ime | Dept | h | Depth | asing Dia. n | nm Dr | ter ot | From | То | Hours | From | То | | REMA | | |
| | | | | | | | | | | | | | No gro | undwater (| encount | ered. |

| E | | | | | | | | | | | |
|----------|-----------|-----------|--------------|-------------------|--------------|----------|--------------|-------|-------|-------|-----------------------------|
| Во | ring Prog | gress and | l Water C | Observatio | | | Chisellin | g | Water | Added | GENERAL |
| Date | Time | Depth | Ca: Depth | sing Dia. mm | Water Dpt | From | То | Hours | From | То | REMARKS |
| | | | | | | | | | | | No groundwater encountered. |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Date | Time | Strike | Minutes | Standing | Casing | | | | | | |
| | | | | | | | | | | | 1 |
| | | | | | | <u> </u> | | | | | |
| A 11 -32 | | [C | ontractor / | Driller | | Me | thod/Plant I | lead | | | Logged By |

All dimensions in metres Scale 1:62.5 Contractor / Driller Method/Plant Used Cable Percussive Rig Logged By



| | | | | | | | | UK | | OLE | : L | .UG | | | | | | |
|---------------------------|---------------------|------------------------------|------------------------|----------------|--|-------------------|---------------------------|----------|---------------------|-------------------|---------------|--------------------------------------|--------------|---|----------------------|-------------------------|---------|-------------|
| Project | dorths | stowe | | | | | | | | | | | | | E | BORE | HOLE | : No |
| Job No | VOLUE | SIUWE | 0 | ate 1 | 0.40 | 2.05 | Grour | nd Leve | l (m A(| (מח | Co-C | Ordinates (| OS) | | | ВН | 303 | 9 |
| | 21706 | | | | | 0-05 0-05 | | 14.4 | • | , | | 540899. | | 65399.99 | 77 | | | |
| Supervis | | - | | | | | | 1 | Client | | | | | .00000.0 | | eet | - 1 | |
| J | MC/ | LF / C | W/I | RLC | | | | | Gallagh | her Esta | ites 8 | & English | Partnership | s | | 1 (| of 1 | |
| SAME | PLES | & TE | | | | | | | | S | TR/ | ATA | | | | | | Ę |
| Depth | Type No | Test Resul | PID | Result ppmv | Water | Reduced Level | Depth (Thick- ness) | | | | | SCRIPTIC | | | | Legend | Geology | Instrument/ |
| 0.50-1.00 | В | | | | | 13.82 | (0.60) 0.60 | (TER | RACE I | e to med DEPOS | alum SITS) | i and suba). | ngular flint | ne to coarse with rare ro | otlets | a | TD | |
| 1.00-1.50 | BSO | 9,6,7 8,7,6 N=28 | | | 1111 | | (1.30) | 1 10 002 | arse SA | AND. Gr | avel | orange m Is fine to r RACE DEF | nedium sul | dayey gra | velly fine | 6 | TD | |
| | | | | | ‡ | 12.52 | 1.90 | | | | | | | | | -· · · · · | | |
| 2.00-2.50 | BED | 7,4,3 4,4,3 N=14 | | | ± 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 11.92 | (0.60) 2.50 | REW | el is fine ORKED | e and su D). | ibrou | unded cha | IK (KIMMEI | gravelly Cl RIDGE CLA | ·Υ | — <u>o</u> - | кімм | 1 |
| 2.70 3.00-3.40 3.50 | U | 59 blows | | | <u></u> | | | ∠.8m. | Becon | nına son | t dar | k arev will | n nvrite and | range mottl I fossils from AY REWOF | n 3 5m | | | |
| 4.00-4.50 | 860 | 2,1,1 2,1,1 N=5 | | | | | (4.00) | | | | | | | | | | KIMM | |
| 5.00-5.40 5.50 | U | 79 blows | | | | | - | | | | | | | | | | | |
| | | | | | | 7.92 | 6.50 | | | | | | | | | | | i |
| 6.50 | D | 18,15,13 16,13,12 N=54 | | | ļ | 7.42 | (0.50) 7.00 | Moder | ately w | eak gre | y SII | TSTONE | (KIMMERI | DGE CLAY |). | × × × × × × × × × | KIMM | |
| | | | | ia. | | ; ; ; ; | | | | | | | | | | No. | | |
| | | | 102 | | | × | 990 | | | | | | | | | 1 | | |
| Bori | ing P | rogres | s and | d Wat | ter C | bserva | tions | T | | Chisel | lina | | Water | Added | | SENEF | 201 | |
| Date | Time | e [| Depth | De | Ca pth | sing I Dia. mm | Water Dpt | F | rom | То | Ĭ | Hours | From | То | | REMAF | | |
| | | | | | | | | | | | | _ | | | Groundwa and 2.8m | ater encou | ıntered | 2.5m |
| Date 3-10-05 | Time | | Strike 2.50 2.80 | Minu 15 | | Standing 2.00 | Casing 1.00 | | | | | | | | | | | |
| All dimens Scal | sions ir le 1:62 | | s C | ontract | or / [| Orilier | | | Meth | od/Piant | | ed able Perc | ussive Rig | | Logged i | ∃y DB | - | |



| roject No | rthst | OWA | | | | | | | | | | | BORE | | |
|--------------|------------|-------------------------|-------|----------------|----------------|------------------|---------------------------|--|-------------|-----------------------------|-------------------------|-------------------|--|------------|------------|
| ob No | 10151 | OWE | Da | te | | 05 | Ground L | evel (m AOD) | Co-Ordir | nates (OS) | | | BHI | 3040 | • |
| | 7062 | 26 | | 20 | 3-09- 3-09- | 05 05 | 1 | 4.020 | E 540 | 700.857 | N 26537 | 5.439 | | | |
| Supervisir | | | | | | | | Client | | | | | Sheet | | |
| | | _F / C\ | N/R | LC | | | | Gallagher E | states & E | nglish Partr | nerships | | 1 | of 1 | |
| SAMP | ES | & TES | ETS | | | | | | STRAT | A | | | | | ent |
| Depth | Type No | Toet | PID | Result ppmv | Water | Reduced Level | Depth (Thick- ness) | | DESC | RIPTION | | | Legen | 1 3 | Instrument |
| - | | | | | | | (0.50) 0.50 | Compact brown | sandy TOF | SOIL | | | 17.34V | TPS | |
| 0.50 | BD | | | | | 13.52 | N | Medium dense y Gravel is fine to TERRACE DEF | coarse sub | n slightly cl angular to | ayey SAND subrounded | and GRAV flint | F | | |
| 1.00-1.50 | BID | 7,0,5 4,6,6 N=21 | | | | | (| TERRACE DE | 00110). | | | | | | X ≡ |
| 2.00-2.50 | BID | 8,0,5 6,6,7 N=24 | | | | | , | | | | | | 0 | | |
| 3.00-3.50 | BCD | | | | | | | | | | | | a | | |
| 3.00-3.30 | | 9,0,8 7,8,9 N=32 | | | <u>‡</u> | | (5.70) | | | | | | | TD | |
| 4.00-4.50 | BOD | 10,0,8 9,8,7 N=32 | | | ₹ | | | | | | | | | | |
| 5.00-5.50 | ECD | 12,0,8 7,7,8 N=30 | | | | | | | | | | | | | |
| 6.00 6.20 | D | | | | | 7.82 | 6.20 | Stiff fissured gr | ey sandy C | LAY (KIMI | MERIDGE C | LAY). | | : <u> </u> | |
| 6.50 | s | 4,0,3 2,3,2 N=10 | | | | 7.02 | (0.80) | | | | | | | - KIMI | V |
| | | | | | | | | | | | | | | | |
| В | oring | Progr | ess a | and V | Vate | r Obser | vations | | Chiselling | <u> </u> | Water A | | | NERA | |
| Date | | ime | Dep | | Dept | Casing | mm Wate | From | То | Hours | From | То | | /ARK | |
| | | | | | | | | | | | | | Groundwater 4.6m rising to 15mins. | | |
| Date 28-10-0 | - | ime _ | Strik | | Minut 15 | | ding Casir | - 1 | | | | | | | |
| | <u> </u> | | | | | | | | 1,000 | | | | I organi Diri | | |
| All dim | ensio | ns in ma 1:62.5 | etres | Cón | tracto | r / Driller | | Meth | od/Plant U | | ussive Rig | | Logged By | | |



| | | | | | | | D | UN | | | .UG | | | | | | |
|------------|------------|-----------------------|--------------|----------------|--------|--------------------|---------------------------|----------|------------------|-------------|----------------------------|---------------|---|---------|---------------|----------|------------|
| Project | 1 - 41 | | | | | | | | | - | | | | | BOREH | IOLE | No |
| | lorths | towe | | | | | - 2 | | | | _ | | | | BHE | 3041 | 1 |
| Job No | 4700 | 00 | D | ate 0 | 3-10 | -05 | Grour | | l (m AOI | · | Ordinates (C | • | | | D | JU-7 | • |
| | 1706 | | | 0. | 3-10 |)-05 | | 12.2 | | E | 540499.5 | 72 N 26 | 55399.997 | | | | |
| Supervis | _ | - | | | | | | | Client | | | | | St | neet | | |
| | | LF/C | | KLC. | | | | | Gallaghe | er Estates | & English P | artnerships | / | | 1 0 | of 1 | |
| SAME | PLES | & TES | STS | r | | | | | | STR | ATA | 1.7 | | | <u> </u> | > | ent/ |
| Depth | Type No | Test Result | PID Depth | Result ppmv | Water | Reduced Level | Depth (Thick- ness) | | | DI | ESCRIPTIO | N | | | Legend | Geology | Instrument |
| | | | | | | 11.92 | 0.30 | Soft o | lark brov | wn slightly | sandy sligh I is medium | tly gravelly | dayey TOP | SOIL | 7. 7. V | TPS | |
| 0.50-1.00 | В | | | ŅĖ. | | | (4.50) | Firm | brown m | nottled ora | nge and gre brounded cl | v sliahtly ar | avelly sandy | AY | | | |
| 1.00-1.45 | υ | 15 blows | | | | | (1.50) | | | | | | | | | KIMM | |
| 1.50 | D | | | | | 10.42 | 1,80 | | | | | | | | | | |
| | _ | | | | | 10.42 | - 1.00 | Soft f | nable gr | ey mottled | l yellow sligh | ntly sandy (| CLAY with se | elenite | | | |
| 2.00-2.50 | BEO | 1,0,1 2,1,2 N=6 | | | | | | dark | rey with | no mottli | andy mottlin | from 3.5m | bal. Becom | ina | | | |
| | | N=6 | | | | | | firm a | t 3.0m. ORKED | Becoming | stiff at 5.0n | (KIMMER | IDGE CLAY | 7 | | | |
| - | | | | | | | - | | OIVICED | , | | | | | | | |
| 3.00-3.45 | u | 35 blows | | | | | | | | | | | | | | | |
| 3.50 | ם | | | | | | | | | | | | | | | | |
| | | | | | | 100 | _ _(4.30) | | | | | | | | | KIMM | |
| 4.00-4.50 | BED | 1,1,2 2,2,3 | | | | | -(4.50) | | | | | | | | | MININI | |
| | | N=9 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 5.00-69.00 | U | 69 blows | 9 | | | | | | | | | | | | | | |
| 5.50 | | | | | | | | | | | | | | | | | |
| 5.50 | D | | | | | | | | | | | | | | | | |
| | | | | | | 6.12 | 6.10 | 14/ | E-LA | 011 707 | -01 E 441 H | reninge (| | | | 100 00 0 | |
| | | } | | | | 5.92 | 6.30 | Stiff d | ark grev | slightly a | ONE (KIMN ravelly CLA) | | | se | × × × | KIMM | |
| 6.50 | B | 2,3,4 6,5,6 | | | | | (0.70) | clayst | one (Kil | MMĚRÍDĞ | E CLAY). | | | | | KIMM | |
| - | | N=21 | | | } | 5.22 | 7.00 | | | | | | | _ | - | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | : | | | | | | | | | | |
| | | | | | | | - | | | | | | | | | ĺ | |
| | l | | | | | | | | | | | | | | | | |
| | | Ì | ł | - 1 | } | | * | | | | | | | | | | |
| • | | | | | ĺ | | <u> </u> | | | | | | | | | | |
| | | | | | | | : 1 | | | | | | | | | | |
| | | | | | ı | | | | | | | | | | | | |
| Bo | rina F | Progres | ss an | d Wa | ter (| Observa | ations | | | Chisellin | | Mater | Added | | OFNE | | |
| Date | Tim | <u> </u> | Depth | | | asing J Dia, mi | | er | From | To | Hours | From | To | | GENE REMAI | | |
| | | | · - | | spui. | Dia, IIII | m Dol | \dashv | | 1 | 1 | | | No grou | undwater e | | red. |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Date | Tim | le s | Strike | Mir | rutes | Standir | ng Casir | | | | | | | | | | |
| | - ,,,, | | | 1.14111 | ·uicə | Otariuli | ng Casii | 9 | | | |] | | | | | |
| | | | | | | | | | | | | | | | | | |
| All dimer | | | es (| Contra | ctor / | Driller | | | Meth | od/Plant L | | | | Logge | d By | | |
| Sc | ale 1.6 | 2.5 | | | | | | | | | Cable Perc | ussive Rlg | | | DB | | |



| Project | | | | | | BOREHOLE No |
|----------------------|---------------|-----------|--------------|------------------------|--------------|-------------|
| Northstowe | | | | | | BHB042 |
| Job No | Date 03-10-05 | Ground Le | evel (m AOD) | Co-Ordinates (OS) | | DIDU42 |
| 12170626 | 03-10-05 | 12 | 2.070 | E 540299.579 | N 265399.997 | |
| Supervising Engineer | 11.89 | 1 | Client | | | Sheet |
| JMC/LF/C | W/RLC | | Gallagher E | states & English Partn | erships | 1 of 1 |

| JMC / LF / CW SAMPLES & TEST Depth Type Result D 1.50 D 1.00-1.45 U 36 blows 1.50 D 2.00-2.45 8 1,1,1 2,1,3 N=7 47 blows 3.50 D 4.00-4.50 EBD 1,2,2 3,3,3 N=11 | PID Result Physics Pid Reduct Level Pid Result Pid | Ceed (Thick-ness) Grass or fine to m (0.70) 37 - 0.70 Firm to s Gravel is CLAY R Firm gravel is Gravel is CLAY R Firm gravel is Gravel is Soft thic | STRATA DESCRIPTION Legend DESCRIPTION Legend DESCRIPTION Legend DESCRIPTION Legend DESCRIPTION Legend DESCRIPTION Legend DESCRIPTION Legend DESCRIPTION Legend DESCRIPTION Legend DESCRIPTION Legend DESCRIPTION Legend DESCRIPTION LEGEND LE |
|---|---|--|--|
| Depth Type Result D 0.50-1.00 B 0.70 D 1.00-1.45 U 36 blows 1.50 D 1.70 D 1.1.1 2.1.3 N=7 47 blows 3.50 D 1.2.2 3.3.3 N=11 | PID Result PPMV Reduction Reduction Reduction Result Reduction Result Reduction Result Reduction Result Reduction Result | (0.70) Grass or fine to m (0.70) Firm to s (0.60) CLAY R (37 1.70 Gravel is (37 1.70 Gravel is (37 5.70 Grav | ver dark brown clayey slightly gravelly SAND. Gravel is nedium subangular flint (TERRACE DEPOSITS). Stiff brown mottled orange slightly sandy gravelly CLAY. Is medium subangular to angular flint (KIMMERIDGE REWORKED). TO STIFF TO STANDARD SIGNAM SIGNA |
| 0.50-1.00 B 0.70 D 1.00-1.45 U 36 blows 1.50 D 1.70 D 2.00-2.45 B 1,1,1 2,1,3 N=7 47 blows 3.50 D 4.00-4.50 EED 1,2,2 3,3,3 N=11 | 11. | (0.70) Grass or fine to m (0.70) Firm to s (0.60) CLAY R (37 1.70 Gravel is (37 1.70 Gravel is (37 5.70 Grav | ver dark brown clayey slightly gravelly SAND. Gravel is nedium subangular flint (TERRACE DEPOSITS). Stiff brown mottled orange slightly sandy gravelly CLAY. Is medium subangular to angular flint (KIMMERIDGE REWORKED). TO STIFF TO STANDARD SIGNAM SIGNA |
| 0.70 D 1.00-1.45 U 36 blows 1.50 D 1.70 D 2.00-2.45 B 1,1,1 2,1,3 N=7 47 blows 3.50 D 4.00-4.50 EED 1,2,2 3,3,3 N=11 | 10. | (0.70) fine to m (0.70) fine to m (0.60) Firm to s Gravel is CLAY R Firm gravel is CLAY R Firm gravel is REWOF Soft thic | ver dark brown clayey slightly gravelly SAND. Gravel is nedium subangular flint (TERRACE DEPOSITS). Stiff brown mottled orange slightly sandy gravelly CLAY. Is medium subangular to angular flint (KIMMERIDGE REWORKED). TO STIFF TO STANDARD SIGNAM SIGNA |
| 0.70 D 1.00-1.45 U 36 blows 1.50 D 1.70 D 2.00-2.45 B 1,1,1 2,1,3 N=7 47 blows 3.50 D 4.00-4.50 EED 1,2,2 3,3,3 N=11 | 10. | Firm to s Gravel is CLAY R Firm gre Gravel is Firm gre Gravel is REWOF | s medium subangular to angular flint (KIMMERIDGE REWORKED). ey mottled orange and white sandy slightly gravelly CLAY. s fine to medium subangular chalk (KIMMERIDGE CLAY |
| 1.70 D 2.00-2.45 B 1.1.1 2.1.3 N=7 47 blows 3.50 D 4.00-4.50 EED 1,2,2 3.3.3 N=11 | | .37 1.70 Gravel is REWOF | s fine to medium subangular chalk (KIMMERIDGE CLAY |
| 3.50 D 2.1.3 N=7 47 blows 3.50 D 1.2.2 3.3.3 N=11 5.00-5.40 U 100 blows | | Soft thic | |
| -4.00-4.50 EED 1,2,2 3,3,3 N=11 | | no fossii | kly laminated grey mottled brown CLAY with fossils and ngth selenite crystals. Becoming firm to stiff from 3.0m, ils and selenite from 4.0m bgl (KIMMERIDGE CLAY). |
| 5.00-5.40 U 100 blows | | | |
| 0.55 0.55 | | 7.07 5.00 6.77 5.30 Weak light | ght grey SILTSTONE (KIMMERIDGE CLAY). |
| 6.00-6.40 U 00 blows 6.50 B 2,2,4 7,7,6 | | Stiff thic CLAY). | kly laminated grey mottled brown CLAY (KIMMERIDGE |
| N=24 | | 5.07 7.00 | |
| | ess and Water Obs | | Chiselling Water Added GENERAL From To Hours From To REMARKS |
| Date Time D | Depth Casing Depth Dis | a. mm Dpt F | No groundwater encountered. |
| Date Time S | , | anding Casing | |
| All dimensions in metre Scale 1:62.5 | Strike Minutes St. | | |



All dimensions in metres Scale 1:62.5 Contractor / Driller

| Project N | lorths | towe | | | | - | - | | | - | BORE | | |
|-------------------|------------|--|--------------|----------------|-------|--------------------|---------------------------|--|--|---|----------------|----------|-------------|
| Job No | | | D | ate 2 | B-09 | -05 | Groun | d Level (m AOD) | Co-Ordinates (| OS) | BH | B04 | 3 |
| | 1706 | | | | 3-09 | | | 12.010 | E 540350. | 711 N 265237.847 | | | |
| Supervis | _ | - | | | | | | Client | | | Sheet | | |
| J | MC / | LF/C | W/F | RLC | | | | Gallagher Es | states & English | Partnerships | 1 | of 1 | |
| SAME | PLES | & TE | STS | | | | | | STRATA | | | | Ę |
| Depth | Type No | Test Result | PID Depth | Result ppmv | Water | Reduced Level | Depth (Thick- ness) | | DESCRIPTIO | ON | Legen | Geology | Instrument/ |
| 0.50-1.00 | BJJV | | | | | 11.41 | (0.60) - 0.60 | medlum subangu boulder sized san | lar to subrounder dstone from 0.4n | CLAY. Gravel is fine to d flint and sandstone with n bgl (TERRACE DEPOS | ITS). | ΤD | |
| 1.00-1.45 | U | 46 blows | X | | | 10.71 | _(0.70) - 1.30 | subangular flint a | n sandy slightly g nd chalk (TERRA | ravelly CLAY. Gravel is find the DEPOSITS). | ne | ΤD | |
| 1.50 2.00-2.50 | D B.SJV | 1,2,2 1,2,3 N=8 | | | | | | CLAY with 1mm I medium subround bgl. Becoming da fossils and rare m | ength selenite cr ded flint and chal rk grey with brow ledium subround ils and selenite fi | ey slightly gravelly sandy ystals. Gravel is fine to k. Becoming firm from 2.5 n rootlets from 3.6m bgl. ed sandstone gravel from rom 4.5m bgl (KIMMERID | With | | |
| 3.00-3.45 | U | 36 blows | | | | | (3.50) | | , | | | KIMM | |
| 3.50 4.00-4.50 | BED | 400 | | | | | - | | | | | | |
| 4.00-4.50 | 8 | 1,2,2 4,5,4 N=15 1,2,2 4,5,4 | | | | 7.21 | 4.80 | | | | | | |
| | | N≃15 | | | | 7.11 | | Weak light grey S | ILTSTONE (KIM | MERIDGE CLAY). | 7 | KIMM | |
| 5.00-5.45 5.50 | D | 49 blows | | | | | (1.30) | Very stiff grey CL | AY (KIMMERIDO | SE CLAY). | | KIMM | |
| 6.00 | D | | | | | 5.81 | 6.20 | | | | | | |
| | | | | | | 5.51 | 6.50 | Weak light grey S | ILTSTONE (KIM | MERIDGE CLAY). | × × × × | КІММ | ł |
| 6.50 | B | 3,4,9 10,8,12 | | | İ | 5.31 | | Very stiff grey CL/ | | | | КІММ | 1 |
| | | N=39 | | | | 5.01 | 7.00 | Weak light grey S | ILTSTONE (KIM | MERIDGE CLAY). | * * * * | KIMM | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | Observa | | Chi | selling | Water Added | GENE | | |
| Date | Tim | e [| Depth | De | pth | ising Dia. mr | m Wate | From | To Hours | From To | REMA | RKS | |
| | | | | | | | | F | | | No groundwater | encounte | red. |
| Date | Tim | e 5 | Strike | Min | utes | Standir | ng Casin | g | | | | | |

Method/Plant Used

Cable Percussive Rig

Logged By

DB



| Project | | | | BOREHOLE No |
|----------------------|---------------|----------------------|--------------------------------|-------------|
| Northstowe | | | | BHB044 |
| Job No | Date 27-05-09 | Ground Level (m AOD) | Co-Ordinates (OS) | БПБ044 |
| 12170626 | 27-05-09 | 11.440 | E 540699.594 N 265199.992 | |
| Supervising Engineer | | Client | | Sheet |
| JMC/LF/C | W/RLC | Gallagher | Estates & English Partnerships | 1 of 1 |

| Supervis | ing En | gineer | | | | | | Ì | Client | | | | | | She | | | |
|--------------------------------|------------------|------------------------|--------------|---------------|--------------|-------------------|---------------------------|-------|------------|-------|-------------|--|-------------|--|----------|----------------------------|---------|-------------------------|
| Ji | MC / | LF/C | W/F | RLC | | | | | Gallagh | her l | Estates & I | English Par | tnerships | | <u> </u> | 1 0 | | |
| SAMF | PLES | & TE | STS | | | | | | | | STRAT | ΓΑ | | | | | > | neut/ |
| Depth | Type No | Test Result | PID Depth | Resul ppmv | Water | Reduced Level | Depth (Thick- ness) | | | | DESC | CRIPTION | | | | Legend | Geology | instrument/ Backfill |
| 0.504.00 | 5.07 | | | | | 40.74 | (0.70) | Gras | ss over | brov | vn sandy c | layey TOP | SOIL. | | | 10 10 5.54.3 5.54.47 | TPS | |
| 0.50-1.00 0.70 1.00-1.50 | BIIA | 3,4,4 3,4,5 N=16 | | | | 10.74 | 0.70 | selei | nite cry: | stals | s from 1.0n | grey orang ngular chal n bgl. With CLAY REW | rare orange | ravelly sand stone with e mottling fro | y om | | | |
| 2.00-2.45 | U | 59 blows | 3 | | | | (3.50) | | | | | | | | | | KIMM | |
| 3.00-3.50 4.00-4.45 | B.SIV U | 4,4,5 6,5,4 N=20 | | | | 7.24 | 4.20 | • | | | | | | | | | | |
| 4.50 | D | y a blow: | | | | 1.24 | (0.70) | Stiff | grey C | LAY | with rare | fossils (KIN | MERIDGE | CLAY). | | | KIMM | |
| -4.90-5.20 | | | | | | 6.54 | 4.90 | Mor | ak liabt : | arov | , CIL TETO | NIE (KINAMI | ERIDGE CI | AVI | | | | |
| -4.90-5.20 - 4.90 - 5.00 | B D S | 6,6,10 8,11,12 | | | | 6.24 | 5.20 | | | | | | | ERIDGE CL | AY). | × × × | | Í |
| 5.20 | D | N=41 | | | | | | | | | | | | | | | | |
| 6.00 | D | | | | | | (1.80) | | | | | | | | | | KIMM | |
| 6.50-6.95 | U | | | | | 4.44 | 7.00 | | | | | | _ | | | | | |
| 7.00 | D | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | · | | | | |
| | , , | | | | | Observ | | er | | | Chiselling | | | Added | | GENE REMA | | |
| Date | Ti | me | Depti | h | <u>Depth</u> | asing Dia. r | Wai nm Dp | it | From | n | То | Hours | From | То | No gro | Cundwater | | ered. |
| Date | Ti | me | Strike | e N | /inutes | s Stand | ding Cas | ng | | | • | | | | | | | |
| All dime | ension cale 1 | | tres | Cont | ractor | / Driller | | | M | letho | od/Plant Us | sed Cable Perc | ussive Rig | | Logg | ed By DI | В | |



| Designat | | | | | | | | U | VEH. | OLE | LUG | | | | | | |
|--------------------|--------------------|----------------|------------|----------|-----------|-----------------|------------------|----------|-----------------------------------|----------------|---------------------------------|-----------------------------|---------------------------------------|---------------|--------------|-------------|------------|
| Project | North | stowe | | | | | | | | | | | | | BORE | HOLE | No |
| Job No | TOLLI | SIOWE | | Date _ | _ | | Crow | ad La | ual (A | OD) 6 | | | · · · · · · · · · · · · · · · · · · · | | ВНІ | 2∩⁄ | 5 |
| | 21700 | 326 | | | 9-10 | 0-05 0-05 | Gioui | | vel (m A | OD) (| Co-Ordinates | | | | וו וט | 3 04 | J |
| Supervi | | | The second | | 3-11 | J-03 | | 13 | .760 | 1111 | E 540899 | .578 N 2 | 265199.99 | | | | |
| | | LF/C | w/ | RLC | | | | | Client Gallag | her Estat | les & English | Partnershir | ne | s | heet | o f 1 | |
| SAM | PLES | & TE | STS | | Ī. | | | | | | TRATA | - Crancisin | | | | of 1 | TS |
| Depth | Туре | Test | PID | Result | Water | Reduced | Depth | | | | IIVIA | | | | T | 6 | Hell |
| | No | Result | Depti | ppmv | \ <u></u> | Level | (Thick- ness) | | | | DESCRIPTION | NC | | | Legend | Geology | Instrument |
| | 4 | | | | | 13.46 | 0.30 | | | TOPSOI | | | | | 31 X X1 | TPS | |
| 0.50-1.00 0.50 | B | | | | | 13.16 | | k ang | wn sligh Jular to s POSITS) | ubrounde | ly dayey SAN ed flint quartz | ND. Gravel ite and silts | is fine to me tone (TERF | edium RACE | | TD | |
| 1.00-1.20 | В | 3,4,4 3,3,4 | | | | 12.56 | (0.60) 1.20 | Med | dium der | se dave | y slightly grav | elly SAND. | Gravel is fi | ne to | / <u> -</u> | TD | |
| 1.20 | D | 3,3,4 N=14 | | | | | | Ziller | Jium and | ı angular | to subangula wn becoming | ar flint (TER | RACE DEP | OSITS). | | | ╢ |
| 1.20 | | | | | | | | gree | en/browr | very clo | sely fissured | CLAY (KIN | MERIDGE | CLAY) | | | I:E |
| 2.00-2.40 | U | 39 blows | | | | | | | | | | | | | | | |
| 2.50 | | | | | | | | | | | | | | | | | l:E |
| 2.50 | D | | | | | | (2.80) | | | | | | | | | KIMM | ľĒ |
| 3.00-3.50 | BBD | 2,2,5 3,4,4 | | | | | - | | | | | | | | | | |
| | | N=16 | | | | | | | | | | | | | | | :目 |
| | | | | | | 0.70 | | | | | | | | | === | | |
| 4.00-4.40 | U | 70 blows | | ł | ł | 9.76 | 4.00 | Stiff | to very s | tiff very | closely fissure | ed grey CL | AY (KIMME | BIDGE | | | |
| 4.50 | ם | | | 1 | | Ė | | CLA | Y). | | , nooun | ou gicy on | VI (IXIIVIIVIE | KIDGE | | | |
| 4.55 | , | | | ł | | Ė | ŀ | | | | | | | | | | :目 |
| 5.00-5.50 | BBO | 2,3,5 5,6,7 | | ł | l | Ē | - | | | | | | | | | | ŀ∄ |
| | | N=23 | | | ł | - | (3.00) | | | | | | | | 드극 | | |
| | | | | İ | 1 | ŧ | (0.00) | | | | | | | | | KIMM | |
| 6.00 | D | 1 | | - 1 | ı | Ē | . | | | | | | | | | | |
| 6.50-6.90 | U | 39 blows | | i | | Ė | | | | | | | | | | | 泪 |
| 7.00 | Ь | | | | | 6.76 | 7.00 | | | | | _ | | | | | |
| 7.00 | | | | | | <u> </u> | | | | | | | | | | | المطعن |
| | ļ | | | 1 | 1 | ŧ | | | | | | | | | | | |
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| | ł | - | | | | ŧ | | | | | | | | | | 1 | |
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| Bori | ina Pi | rogress | s and | 1 ///2+ | er C | bservat | ions | -11- | | Ob.:- ''' | | J | | | | | |
| Date | Time | | epth | | | sing Dia, mm | | - - | From | Chiselli To | Ť | | Added | | GENER | | |
| | | 1 | | Der | וענ | uja, mm | Dpt | | . 10111 | 10 | Hours | From | То | | REMAR | | |
| | | 100 | | | | | - | | | 10 | | | | 140 grour | idwater end | countere | ed. |
| | | | | | | | | | | | | | | j | | | |
| Date | Time | St | rike | Minu | tes | Standing | Casing | \dashv | | | | | | * | | | |
| | | | | | | | | 7 | | | | | | | | | |
| | | | | | | | <u></u> | <u> </u> | | | | | | | | | |
| Ali dimens Scal | ions ir le 1:62 | metres | C | ontracte | or / D | riller | I settlet | | Metho | od/Plant I | | | | Logged | Ву | | |
| | | | | | | 14 | (1) | | | | Cable Perc | ussive Rig | | e l'az | LF | | |



| | - | ax: | | | | | | BU | KEHUL | ELU | <u> </u> | | - | DODE!! | <u> </u> | 1- 7 |
|---|---------------|--|---------------|----------|-----------|--|----------------|-------------|---|---------------------------------|----------------------------|-----------------------------|---------------------------|--|--------------|-------------------------|
| roject | | | | | | | | | | | | | | BOREH |)LE [| 10 |
| No | rthst | owe | | | | | | | 14. 100 | On Ordin | estan (OS) | | | BHB | 046 | |
| ob No | | | Da | | 4-11 | | Gr | | evel (m AOD) | | nates (OS) 121.525 | | 3 541 | | | 2.200 |
| | 7062 | | | 0 | 4-11 | -05 | | 1 | 5.210 | E 541 | 121.525 | 14 20013 | | Sheet | | - |
| Supervisir | - | gineer _F / C | \ <i>\\\\</i> |) (C | | | | | Client | Estates & E | nglish Part | nerships | | 1 o | f 1 | |
| | | | | \LC | 1 | | _ | | - Cameg. Ca | STRAT | | | | | | ant/ |
| SAMP | Туре | Test | PID Depth | Resul | | Reduced Level | (Thick | | | | RIPTION | | | Legend | Geology | Instrument/ Backfill |
| | No | Result | <u> </u> | ppmv | - | | ness) (0.50 | S | oft brown san | dy clayey TO | OPSOIL. | | | 1. 24. 34. | TPS | |
| | BJ1A DB11A | | | | | 14.71 | (0.90 | 5 | Soft brown san nedium flint wi | dy slightly g th rootlets (1 | ravelly CLA TERRACE | AY. Gravel is DEPOSITS) | fine to | | TD | |
| 1.00-1.50 1.00-1.50 | B DB | | | | | 13.81 | t i | 1 40 | | | | | | | | |
| 1.40 2.00-2.50 2.00-2.50 2.05 3.00-3.50 | DBJJV | 2,0,2 2,1,1 N=6 3,0,2 2,1,2 N=7 | | | | | (2.1 | 0 | oose medium coarse SAND. chalk, chalk be nore gravelly f | Gravel is fin | e to coarse re frequent | e subangular from 2.0m b | tiint and al. Becomind | | TD | |
| 3.00-3.50 3.00-3.50 3.05 | BJJV | 4,0,3 3,4,4 N=14 | | | 4 | <u>11.7</u> | (0.7 | | Medium dense coarse subang | yellow orar | nge sandy d | GRAVEL. GR | avel is fine to | 10 17. 0 | A TD | |
| 3.80-4.20 3.90-4.20 | ВВ | | | 1 | ₹ | 11.0 | ∟` | 4 20l | | | | | | .0.00 | - | - |
| 4.00 4.05 | C | 5,0,5 4,3,2 | | | | | Ė | | Firm grey CLA (KIMMERIDG | Y with fossi E CLAY). | is. Becomi | ng sun at o.c | orr | | - | |
| 4.20 | D | N=14 | | | | | Ę | | | | | | | | 3 | |
| 5.00 | U | 73 blov | vs | | 1 | Ì | F | ļ | | | | | | === | = | |
| 5.50 | D | | | | | | (2.8 | BO) | | | | | | | KIMA | A |
| 6.50-7.00 6.50-7.00 6.55 | | 6,0,5 5,4,5 | | | | 8.2 | 1 | 7.00 | | | | | 1 | | - | - |
| 7.00 | D | N=19 | | | | | | | | | | 1 200 | 1 | | | |
| | | | T | - | Wat | er Obse | rvatio | ons Wafi | er From | Chiselling | | Water A | To | | IERA IARK | |
| Date | | Time | Str | pth rike | Minu 1 | | nding | Wate Dpt | | То | Hours | rom | | Groundwater e 1.1m rising to 3 mins. | ncounte | red at |
| | | | | Ica | ntrac | tor / Drille | <u> </u> | <u>L.</u> | Me | thod/Plant U | lsed | <u></u> | | Logged By | | |
| | | ons in n : 1:62.5 | | | n iu al | OI , Dille | | | | | | cussive Rig | | | DB | |



| Project | | | | | | | | | | OLE | | | | | | BOREH | IOI F | No |
|---------------------------|------------------|------------------------|--------------|----------------|--------------------------------------|---------------------------------|---------------------------|-----------------------|------------------------------|----------------------------------|-------------|--|---------------------------|-------------------------------------|----------------|-----------------------------|---------|------------|
| | North: | stowe | | | | | | | | | | | | | | | | |
| Job No 1: | 21706 | 526 | D | ate 0 | 4-1 [°] 4-1 [°] | 1-05 1-05 | Groun | 14.5 | el (m A0 550 | OD) | | Ordinates (541289. | | 265128.90 | 00 | BHE | 304 | 7 |
| Supervi | - | _ | | | | | | | Client | | | | | | | neet | | |
| | JMC / | LF / C | W/F | RLC | | | | | Gallagi | her Esta | ates | & English I | Partnership | os | | 1 0 | of 2 | |
| SAM | PLES | & TES | STS | | <u></u> | | | | | S | TR | ATA | | | | | | Ę |
| Depth | Type No | Test Result | PID Depth | Result ppmv | Water | Reduced Level | Depth (Thick- ness) | | | | DE | SCRIPTIC | ON | | | Legend | Geology | Instrument |
| 0.30 0.50-1.00 | ท _า ง | 60 | | | | 13.95 | (0.60) | | n silty s | sandy T | OPS | SOIL and s | ubsoil with | rootlets. | | 24 34 V 24 3 | TD0 | = |
| 0.50-7.00 0.60 0.80 | 1111A D B | B7 blows | | | | 13.35 | (0.60) | Firm CLA | orange Y. Grave OSITS) | 'el Is sul | mott | lled white a jular to sub | ind grey sa rounded fl | indy silghtly int (TERRA | gravelly CE | | TD | 1 |
| 1.80 2.00-2.50 | DBB 11/\ | 7,4,4 4,4,6 N=18 | | | | 10.00 | 1,20 | Medi Grave Beco | um den | ise yello e to coa ense be | rse: | rown grave subangular en 3.0m an | r ta subrau | oarse SANI nded flint. ERRACE | D. | 0 | | |
| 3,00-3,50 | DBB | 5,7,8 7,6,6 N=27 | | | | | (4.10) | | | | | | | | | | TD | |
| 4.00-4.50 | DESTA | 3,4,3 2,2,3 N=10 | | | | | _ | | | | | | | | | | | |
| 5.00 | В | 2,3,2 3,2,4 N=11 | | | | 9.25 | 5.30 | OF E | | -11 | | | | - | | a . | | |
| 6.00 | D | | | | | <u> </u> | | (KIMN | MERIDO | dark gr GE CLA | ey C Y). | CLAY. Beco | ming stiff | from 9m | | | | |
| 6.50 | | 72 blows | | | | į | | | | | | | | | | | | |
| 7.00 | D | | | | ļ | | | | | | | | | | | | | |
| 7.50 | D | | | | | ļ. | (4.20) | | | | | | | | - | | KIMM | |
| 8.00-8.50 | DESTA | 2,3,4 6,5,6 N=21 | | | | - - - - - - | | | | | | | | | • | | | |
| 9.00 9.50 | D U | 00 blows | | | | 5.05 | 9.50 | | | | | | | | | | | |
| | | | | | | [| | woden sized f | ragmen | eak ligh its (KiM | gre ME | Y SILTSTO RIDGE CL | ONE recove AY). | ered as grav | el | × × × × × × × × × × × × × × | MMD | |
| Boi | ring P | rogress | and | | | bservat | | | | Chise | lling | | Water | Added | | GENER | | |
| Date | Time | e D∈ | pth | Der | Ca: | sing Dia. mm | Water Dpt | F | From | То | | Hours | From | То | F | REMAR | KS | |
| | | | | | | | | | | | | į | | | No groun | dwater end | counten | ed. |
| Date | Time | Str | ike | Minu | tes_ | Standing | Casing | | | | | T | | | | | | |
| All dimen Sca | sions in | | Co | ontract | or / [| Onlier | | 1 | Meth | od/Plan | | ed Cable Perc | issive Ria | | Logged | Ву МО | | |



| roicet | | | | | | _ | | | | | | - | | В | OREH | 1 JJC | No. |
|--------------|------------|--------------------------|--------------|----------------|----------------|--------------------|---------------------------|----------------------|------------------|-----------------------|-------------|-----------------------------|--------------------|-------------|------------|-------------|-------------------------|
| roject No | orthst | owe | | | | | | | | | | | | | | | |
| ob No | 5111130 | | Da | ite o | 1-11- | | Groun | d Level (m A | AOD) | Co-Ordi | nates (OS) | | | 1 | BHB | 047 | |
| | 17062 | 26 | | U4 | 1-11. 1-11. | | | 14.550 | | E 54 | 1289.500 | N 2651 | 28.900 | <u> </u> | | | |
| Supervisli | | | | | | | ! | Client | ì | | | | | She | | | |
| JN | VC / L | F/CV | V / F | RLC | | | | Gaila | gher E | states & E | nglish Part | nerships | | <u> </u> | 2 0 | | |
| SAMP | LES | & TES | TS | | | | | | | STRAT | Α | | | | | <u>></u> | nent/ |
| Depth | Type No | Tost | PID Depth | Result ppmv | Water | Reduced Level | Depth (Thick- ness) | | | | RIPTION | | | Į | Legend | Geology | Instrument/ Backfill |
| 10.00 | D | | | | | | (1.00) | Moderatel sized frag | y weak ments | light grey (KIMMER | SILTSTON | IE recovere Y). (continu | d as gravel ed) | | X | KIMM | |
| 10.50 | D | | | | | 4.05 | 10.50 | Very stiff (| rey CL | AY with s | andy band | s and rare p | yritic bands | | | | |
| 11.00-11.50 | OB.SIV | 6,6,7 | | | | | F | | | • | | | | | | | |
| 11.00-11.00 | | 9,10,25 N=51/ | | | | | t | | | | | | | | === | KIMM | |
| | ļ | 235 | | | | | (2.10) | | | | | | | | | | |
| 12.00 | D | | | | | - | <u> </u> | | | | | | | | | 1 | |
| 12.00 | ١ | | | | | 4.05 | 12.00 | | | | | | | | === | 1 | |
| 12.50-13.0 | вυ | 00 blows | | | | 1.95 | F | Very stiff | grey Cl | LAY with | rare moder | ately strong | to strong | | | КІММ | |
| 13.00 | В | 10.7.8 | | | | 1,55 | 13.00 | Very stiff | agmen dark gr | rev CLAY | with rare w | ERÍDGE Č hite to brow | n fossil | | | 1 | 1 |
| .0.00 | - | 10,7,8 8,9,10 N=35 | | | | | Ē | fragment | s (KIMI | MÉRIDGE | CLAY). | | | | | 1 | ł |
| | | | | | | | [| | | | | | | | | 1 | } |
| 14.00-15.0 | DBU | 00 blows | | | | | ļ. | | | | | | | | === | 1 | |
| 14.00-10.0 | | | | | | ŀ | ŧ | | | | | | | | | 1 | |
| 14.50 | D | | | | | | E | | | | | | | | === | 1 | |
| | | | | | | | (4.00) | | | | | | | | | KIMN | 4 |
| | | | | | | | <u> </u> | | | | | | | | | - | |
| 15.50 | U | 00 blows | | | | | ţ | | | | | | | | |] | |
| • | | | | | | | E | | | | | | | | | 1 | |
| 16.00 | D | | | | | | | | | | | | | | | 3 | |
| 16.50 | υ | 00 blow | | | | | ŧ | | | | | | | | == | : | |
| | | | | | | -2.4 | <u> 17.0</u> | 0 | - | | | | -/- | | - | ╁ | ┨ |
| 17.00 | D | | | | | | [| | | | | | | | | 1 | |
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| | | 1. | | | | | E | | | | | | | | | | |
| | | | | | \perp | | 1 | | | | | | | | | 1_ | 1_ |
| В | Boring | Progr | ess | and V | Vate | r Obser | vations | | C | Chiselling | <u> </u> | Water | | | GEN REM | ERAL | |
| Date | Т | īme | Dep | th | Dept | Casing h Dia. | mm V | ater Fr | om | То | Hours | From | То | | | | |
| | | | | | | | | | | | | | | No gro | oundwate | rencour | πered. |
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| Date | Ţ | ime | Stril | ke | Minut | es Star | nding Ca | sing | | | | | | | | | |
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| | | | | | | r / Driller | | | T | od/Plant U | | | | 110 | ed By | | |



| D=: | | _ | | | | | | | NETT | | LUG | | | | | | |
|------------------|---------------------|------------------------|-------|----------|--------|-------------------|------------------|-----------|---------------------|-------------|-------------------------------|-----------------------------|--------------------------|-------------|----------------|-------------|-------------|
| Project | Morths | stowe | | | | | | | | | | | | | BOREH | IOLE | No |
| Job No | VOLUTE | stowe | Tr | ate | | | Crow | ad I | | 20) 0 | 0 " | | | | BHE | R04 | R |
| ĺ | 21706 | 326 | | | 0-11 | 1-05 1-05 | Groun | | evel (m A0 1.830 | | o-Ordinates (| | 05404.04 | | ٠, ١١ | JU-71 | |
| Supervi | | | | <u> </u> | | |] | | Client | | <u>= 541502.</u> | 340 11 2 | 05 194.31 | | heet | | |
| J | IMC / | LF/C | w/I | RLC | | | | | | ner Estate | s & English | Partnershir | ns. | , | | of 1 | |
| SAM | PLES | & TE | STS | | T | | | - | | | RATA | - Gravororing | | | | | = |
| | Туре | TI. | PID | Result | Water | Reduced | Depth | Γ | | | | | · - | | | è | ii ii |
| Depth | No | Result | Depti | ppmv | < | Level | (Thick- ness) | | ADE ODO | | DESCRIPTIO | | | | Legend | Geology | Instrument/ |
| 0.40 | D | | | | | 11.33 | (0.50) 0.50 | | | | iss over brow | | | | | MG | |
| 0.50-1.00 | 1111 | | | | | 10.83 | (0.50) |) WI | ın some ro | iots and o | t to firm brow ne concrete | boulder an | proximately | ∩3mv | | MG | |
| - 1.00-1.50 - | กาาาง | 18 blows | | | | | | to. | coarse flir | it and rare | . Gravel is s brick and c | oncrete frag | gments. | | / ₩₩ | | |
| 1.50 | D | | | | | | (1.00) | M/ rai | ADE GRO | UND: Sof | t orange bro ize concrete | wn to brow | n sandy clay | / with | | MG | |
| | | Í | | | } | 9.83 | 2.00 | fra | gment. | | | | | | | | |
| 2.00-2.50 | D28 | 3,2,4 2,3,2 N=11 | | | | | | ve | llow brown | i subanou | n brown san Iar medium t | dy clay with to coarse g | pockets of ravel chalk a | pale and | | | |
| | | | | | | | (1.00) | tlin | it. One bar | bed wire | fragment. | | | | | MG | |
| 3.00-3.50 | nnv | 50 blows | | | | 8.83 | - 3.00 - | | edium den | se orange | brown very | silty fine S | AND Becon | oina | ××× | | |
| 3.50 | D | | | | | | | fine | e to mediu | m from 4r | n. Becoming EPOSITS). | brown and | d orange bro | own | × | | |
| 4.00-4.50 | DBB | 4,2,3 | | | | | <u>:</u> | | | | | | | | × | | |
| | | 3,4,5 N=15 | | | ĺ | | | | | | | | | | × | | |
| | | | | | ł | | | | | | | | | | × | | |
| 5.00-5.50 | DEBIN | 3,2,4 4,5,5 | | | | | -(4.00) | | | | | | | | × | TD | |
| | | N=18 | | | | į | | | | | | | | | × | 7.0 | |
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| 6.00 | D | | | | ľ | Ē | - | | | | | | | | ×· | | |
| 6.50 | В | 6,4,5 | | | | - | | | | | | | | | ×::::: | | |
| | | 4,5,5 N=19 | | | | 4.83 | 7.00 | | | | | | | | ×···· | | |
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| i | ĺ |] | | | - | Ė | | | | | | | | | | | |
| Bor | ing P | rogres | s and | d Wat | ter C | Observa | tions | T | | Chisellir | na | Water | Added | | 051155 | | |
| Date | Time | | epth | | | sing I Dia, mn | | | From | То | Hours | From | To | | GENER REMAR | | |
| | - | | | | | | 1 | 7 | | | | | | | vater not en | | red. |
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| Dai | - | _ | | ļ | 70 | | | | | | | | | | | | |
| Date | Time | <u> </u> | trike | Minu | ıtes | Standing | Casing | 4 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| All dimen | sions ir ie 1:62 | | s C | ontract | or / [| Oriller | | | Meth | od/Plant L | | | | Logged | Ву | | = |
| | 1.02 | | | | | | | | | | Cable Perc | ussive Rig | | | MO | | i |



| | | | OLE LOG | DODELIOLE No. |
|---|-------------------------------------|--|--|--|
| roject | | | | BOREHOLE No |
| Northstowe | Data | Ground Level (m A | OD) Co-Ordinates (OS) | BHB049 |
| | Date 01-11-05 01-11-05 | 8.500 | E 541699.549 N 265199.971 | |
| 12170626 Supervising Engineer | 01-11-00 | Client | | Sheet |
| | / RLC | | gher Estates & English Partnerships | 1 of 1 |
| SAMPLES & TESTS | S I I | | STRATA | ent |
| Depth Type Test Pi | D Result Reduced | Depth Thick- | DESCRIPTION | Geology Instrument |
| No Result | ppilly Level In | ess) Grass over | dark brown clayey gravelly very sandy TOPSOIL. ne subangular flint. | |
| 0.50 BJJJV | | Soft orang | ne scoangular link. e brown sandy slightly gravelly CLAY. Gravel is fir bangular to angular flint (TERRACE DEPOSITS). | ie to Lotteria |
| 0.60 D | 7.40 | 1.10 | | |
| 1.50 DJJJV 2.00 DBB 9,7,7 8,7,9 | <u> </u> | rare sand Gravel is f (1.40) DEPOSIT | ow and white slightly clayey very gravelly SAND wockets and brown gravelly very sandy clay pocketine to medium subangular to angular flint (TERRAS). | fis. lite |
| N=31 | ₹ 6.00 | 2.50 Medium d | ense very sandy GRAVEL. Gravel is fine to mediu ed to angular flint (TERRACE DEPOSITS). | m 0000 |
| 3.00 D88 3,2,2 5,7,9 N=23 | | (2.00) | id to angular milit (TERRACE DEL COTTO). | 0 0 0 0 TD |
| 4.00 B 2,2,3 2,2,3 N=10 | 4.00 | 4.50 | | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| 5.50 U 30 blows | | medium a | ge brown slightly sandy gravelly SILT. Gravel is ingular flint. Becoming firm and grey from 4.8m. N m 6m (TERRACE DEPOSITS). | * * * * , |
| 6.00 D | | (2.50) | | ××× |
| 6.50 UJJ 26 blows | | | | x° x } |
| 7.00 D | 1.50 | 7.00 | | ×o ² × 3 |
| | | | | |
| Boring Progres | s and Water Observ | ations | Chiselling Water Added | GENERAL |
| | Depth Casing Depth Dia. n | nm Dpt Fr | om To Hours From To | REMARKS Groundwater encountered at 2.6 rising to 2m after 10 mins. |
| | Strike Minutes Stand 2.60 10 2.0 | | | |
| All dimensions in metre Scale 1:62.5 | Contractor / Driller | | Method/Plant Used Cable Percussive Rig | Logged By DB |



| roject | | | | | | | | | | | | | | E | BOREH | IOLE | N |
|-----------------|------------|-----------------------|--------------|---------|---------------|--------------------|---------------------------|-----|---------------------------------------|--------------------|-------------------------|--------------------------|----------------------|--------|--|---------|----------------|
| | lorths | towe | | | | | 1- | | | 1 | | | | | BHE | 3050 | n |
| ob No 12 | 1706 | 26 | | | 1-11 1-11 | | Grour | | evel (m AOD) | i | ordinates (C | • | SE047 700 | | -, IL | | <u>ل</u> |
| Supervis | | | | 1 | 1-17 | -00 | | 12 | 2.000 Client | E | 541499.5 | 53 N 26 | 55017.763 | | neet | | |
| | _ | LF/C | W/I | RLC | | | | | Gallagher E | states & | & English P | artnerships | | Si | | of 2 | |
| SAMP | PLES | & TES | STS | | | | | | | STRA | | <u></u> - | | | | | T } |
| Depth | Type No | Test Result | PID Depth | Result | Water | Reduced Level | Depth (Thick- ness) | | | | SCRIPTION | N | - 5 | | Legend | Geology | Instrument/ |
| .20 | บบ | | | | | | (0.70) | Gi | ass over sandy | dayey | TOPSOIL | and subsoi | il. | | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | | Ī |
| | | | | | | 11.30 | L ' ' | • | | | | | · <u> </u> | | 10.16 | 173 | ı |
| .70 .00-1.50 | DIIIV | 1,1,1 | | | | , <u>1</u> | - | So | oft to firm yellow bangular to sub | v brown prounde | sandy sligled flint and | ntly gravelly chalk (TER | y CLAY. Grav RACE | vel is | 0 | | |
| .00-1.50 | | 1,1,2 N=5 | | | | | | | EPOSITS). | | | • | | | <u></u> | | H |
| | | | | | | | (1.60) | | | | | | | | | TD | |
| 90 | ากั∧ | 0.1- | | | | | - | | | | | | | | 0 | | |
| 00-2.50 | OOB | 2,1,2 3,2,1 N=8 | | | | 9.70 | 2.30 | | ft to firm grey r | nottled | brown con- | tu CLAY // | IMMEDIDO | | - 0 | | ļ:Ē |
| 30 50 | D | 39 blows | | | | | (0.70) | Ci | AY REWORK | ED). | DIOWII SAIIC | IY CLAT (F | MINIMERIDGE | Ε. | | KIMM | ŀ |
| 00 | D D | DIOWS | | | | 9.00 | | | 11/7 5 | | | | | | | | ŀ |
| | | _ | | | | | | CL | m to stiff fissur AY). | ea grey | prown mo | ttied CLAY | (KIMMERID | GE | | | |
| 50-4.00 | DBB | 3,2,3 4,3,3 | | | | | (1.30) | | | | | | | | | KIMM | ŀ |
| | L. | 4,3,3 N=13 | | | | | _ | | | | | | | | === | | |
| | | | | | | 7.70 | 4.30 | | # to 5 | | NAV D | malm = 100 c | | | | | ļ:Ē |
| 50-5.00 | 088 | 4,2,1 2,2,2 | | | | | | (K | ft to firm grey s MMERIDGE C | andy C LAY). | LAY. Beco | ming stiff fi | rom 6.0m | | | | |
| , | | 2,2,2 N=7 | | | | | - | | | - | | | | | | | Ė |
| 00 | D | | | | | | | | | | | | | | | | |
| 2.1 | | | | | | | | | | | | | | | | | |
| | | . | | | | | <u>:</u> | | | | | | | | | | |
| 00-6.50 | D8B | 7,6,5 6,7,8 | | | $\frac{1}{7}$ | | : | | | | | | | | | | : |
| | | N=26 | | | | | | | | | | | | | | | |
| _ | | | | | | | . (4.90) - | | | | | | | | | KIMM | |
| 00 | D | | | | | | : | | | | | | | | | | ŀ |
| 50 | υ | 77 blows | | | | Ė | | | | | | | | | | | : |
| | | ļ | | | } | | <u> </u> | | | | | | | | | | |
| 00 | D | | | | | | | | | | | | | | | | |
| | | | | | | ļ | | | | | | | | | | | |
| ļ | | 1 | | | \$ | Ī | <u> </u> | | | | | | | | | | |
| 20 | В | 13,15,16 | | | | 2.80 | 9.20 | Ve | ry stiff grey san | dv sligt | ntly gravally | CLAY Gr | avel is fine to | | | | |
| | | 12,15,18 N=61 | | 1.0 | | | | me | dlum of mixed AY). | litholog | y including | siltstone (K | (IMMERIDGE | | | KIMM | |
| Bor | ring F | rogre | ss ar | | | Observa | | | Chi | selling | 3 | Water | Added | | GENE | RAL | |
| Date | Tim | e [| Depth | De | Ca epth | asing Dia. mr | m Wate | er | From | То | Hours | From | То | | REMAI | | |
| | | | | | | | f | | 25 | | | | | | water enco | | |
| Date | Tim | e s | Strike | Mir | nutes | Standir | ng Casin | 10 | | | | | - | | | | |
| | | | 9.00 | | 20 | 6.30 | | .s. | 320 | | | | | | | | |
| l dimen | sions | in metro | e (| Contrac | ctor / | Driller | <u></u> | | Method/F | Diant I Is | and | | | Logged | 10. | | |



| Project | | | | | | | BOREHOLE No |
|----------------------|--------|---------|-----------|--------------|------------------------|--------------|-------------|
| Northstowe | | | | | | | BHB050 |
| Job No | Date 1 | 1-11-05 | Ground Le | evel (m AOD) | Co-Ordinates (OS) | | D110030 |
| 12170626 | | 1-11-05 | 12 | 2.000 | E 541499.553 | N 265017.763 | |
| Supervising Engineer | | | | Client | 1,,, | | Sheet |
| JMC/LF/C | W/RLC | | | Gallagher E | states & English Partn | erships | 2 of 2 |
| | | T | | | OTDATA | | 1 2 |

| Depth 10.00 | Type No | & TEST Result | | Result | Water | | | | | STRAT | ΓΑ | | | | | _ | hent/ | 1 |
|-------------|------------|-------------------------|--------------|--------|-------|------------------|---------------------------|-----------------|--|-------------------------------------|----------------------------|----------------------------|----------------------------|-----|----------|---------|-------------------------|---|
| 10.00 | No | Test Result | PID Depth | Result | 엹 | | | | | | | | | | | | | 1 |
| | D | | 1 1 | ppmv | W | Reduced Level | Depth (Thick- ness) | | | | CRIPTION | | | - } | Legend | Geology | Instrument/ Backfill | |
| 11.00 | 1 | | | | | | (1.80) | Ver me CL | ry stiff grey s dium of mixe AY). (contine | andy slight ed lithology ued) | dy gravelly including s | CLAY. Grav iltstone (Kl | vel is fine to MMERIDGE | E | <u> </u> | KIMM | | |
| | B | 35,25,20 N=20/ 25 | • | | | 1.00 | 11,00 | | | | | | | | | | | |
| В | oring | <u>J</u> Progr | ess a | nd W | /ater | Observ | rations | | | Chiselling |] | Water | Added | | GEN | RAL | 1 | 1 |
| Date | | ne | Dept | | | Casing | | ter ot | From | То | Hours | From | То | | REM/ | ARKS | | |

| Г (| | | | | | | | | | | |
|--------------|-----------|----------|---------------|-------------------|-------------------------|---------------------------------------|------------|-------|-------|-------|---|
| Во | ring Prog | ress and | Water C | bservation | ons | | Chiselling | 9 | Water | Added | GENERAL |
| Date | Time | Depth | Ca: Depth | sing Dia. mm | Water Dpt | From | То | Hours | From | То | REMARKS |
| | | | | | <i>5</i> ₂ , | | | | | | Groundwater encountered at 9m rising to 6.3m after 20 mins. |
| Date | Time | Strike | Minutes | Standing | Casing | i i i i i i i i i i i i i i i i i i i | | | | | |
| All allesses | | Cotoo Co | ontractor / I | Driller | | Meth | nd/Plant U | sed | | | Logged By |

All dimensions in metres Scale 1:62.5 Contractor / Driller

Method/Plant Used
Cable Percussive Rig

Logged By



| Project | N 4 | | | | | | | | | | | BOREH | IOLE | No |
|----------------|------------|------------------------|---------------|--------|--------------|------------------------------|-----------------|---------------------|----------------------|--|------------|------------|----------|------------|
| Job No | Norths | towe | | ate 0 | | | Cm | nd Level (m AOD) | To out to | 201 | | BHE | 305 | 1 |
| | 21706 | 26 | | | 7-10 7-10 | 0-05 0-05 | Grour | 14.490 | Co-Ordinates (| | 20 | D1 11 | 300 | • |
| Supervi | _ | | | | | | | Client | □ □ 041299.5 | 557 N 264999.98 | | heet | | |
| | JMC / | LF/C | W/F | RLC | | | | | states & English F | Partnerships | | | of 1 | |
| SAM | PLES | & TE | STS | | L | | | | STRATA | | | | T | T = |
| Depth | Type No | Test Result | PID Depth | Result | Water | Reduced Level | (Inick- | | DESCRIPTIO | N | | Legend | Geology | Instrument |
| | | | | | - | 14.29 | ness) - 0.20 | MADE GROUND | : Grass over soft | dark brown gravelly v | erv | **** | MG | Ē |
| 0.50 | BJJJA | | | | | | [(0.60) | \sandy dayey TO | PSOIL. Gravel is₁r | nedium subangular fl and orange sandy sli | Int. | ∕‱ | MG | |
| | | | - | | | 13.69 13.59 | | gravelly day. Gra | vel is fine to medi | um subrounded to sui | bangular | | MG | I |
| 1.00 | DBU | 00 blows | | | | | - | MADE GROUND | : sandstone bould | lers with medium ang | ular flint | /‱ | IVIG | |
| | | | | | × | | | gravel. MADE GROUND | : Reworked stiff b | rown mottled grey and | d orange | /‱ | | |
| 1.80 2.00 | 1111V | 6,3,2 | | | | | (2.00) | sandy clay. | | | | | MG | |
| 2.00 | | 4,5,6 N=17 | | | | | | | | | | | | |
| | | | | | | 11.59 | 2.90 | | | | | | | |
| 2.90 3.00 · | D B | 7,0,4 | | | | 11.55 | | Medium dense ye | ellow fine to coarse | SAND (TERRACE | | XXXXXX | | [:] |
| | | 5,4,4 N=17 | | | | | | DEPOSITS). | | | | ::::: | | :目 |
| | | | | | | | | | | | | | | |
| 4.00 | 008 | 8,5,7 8,7,7 | | | | | - [| | | | | | | |
| | | N=29 | | | | | (3.00) | | | | | [:::::] | TD | |
| | | | | | | | | | | | | | | |
| 5.00 | COB | 8,9,8 7,6,7 N=28 | ŀ | | | | | | | | | [::::::] | | :目 |
| | | 11-20 | | | ¥₽ | | | | | | | | | |
| 5.90 | D | | | | Ţ | 8.59 | 5.90 | Firm fissured grev | sandy CLAY (KI | MMERIDGE CLAY). | | | | :目 |
| | | | | | | | (1.10) | 5 - 7 | | | | | ZIP 44 4 | |
| 6.50 | Ð | 7,3,4 3,4,3 N=14 | | | | | ` | | | | | | KIMM | |
| | | N=14 | | | ŀ | 7.49 | 7.00 | | * | | | [] | | |
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| | dae 5 | | | | | <u>F</u> | | | (16) | | 7 | | | |
| Date | ring P | - | s and | d Wa | ter (| Observa sing Dia. mr | tions Water | Chis | selling | Water Added | | GENER | | |
| 2410 | - 1111 | | chai | De | pth | Día. mr | Mate n Dpt | From | To Hours | From To | | REMAR | | |
| | - | | | | | | | | | | | water enco | | |
| Deta | | | <u> </u> | | _ | | | | | | - | | | |
| Date | Time | | trike 5.90 | Min: | | Standin 5.70 | g Casing | 니 | 4.6 | | | | | |
| | | ` | ,.30 | ' | J | 5.70 | | | | | | | | |
| Ali dimer | | | s C | ontrac | tor / | Driller | | Method/P | | 1 | Logged | d Bv | =: | |
| Sc | ale 1:62 | 2.5 | | mt. | | | | | Cable Perc | ussive Rig | | DB | | |