

PROPOSED PLAY SAND, 400MM DEEP OVER GEOTEXTILE LINING AND 100MM OF LIGHTLY CONSOLIDATED SMOOTH GRANULAR FILL TO BASE OF PIT OVER SECOND MEMBRANE LAYER. GLACIAL BOULDERS SET ONTO AGGREGATE, WITH Soft Works EXISTING TREE/WOODLAND RETAINED. REFER TO ARBORICULTURAL CONSULTANTS REPORT FOR ROOT PROTECTION AREAS & AIA METHOD STATEMENT. PROPOSED LOW LEVEL RECESSED WALL EDGE AROUND SAFETY SAND PLAY AREA, TYPE 'HANIT' RECYCLED PLASTIC, 'OGEE INTERLOCKING PALISADES',
COLOUR 'BROWN'. PALISADE HEIGHT 600MM X 100MM DIAM. 150MM SET IN A PROPOSED SEMI MATURE (18-20CM GIRTH), EXTRA HEAVY STANDARD TREE (14-16CM GIRTH) & HEAVY STANDARD TREE (12-14CM GIRTH), WITH 50MM BARK MULCH AFTER SETTLEMENT, IRRIGATION PIPE, DOUBLE STAKE AND RUBBER TREE TIES, 600MM HIGH RABBIT GUARD, OR 200MM CONCRETE FOUNDATION. CHAMFERRED FINISH TO BE SET FLUSH WITH ADJACENT GROUND LEVELS. SAND TO BE 150MM BELOW TOPS OF WALL EDGE, 300MM DEEP WITH BOULDERS PLACED OVER THE SURFACE. SUPPLIED BY HAHN HIGH X 95MM WIDE, BLACK TUBEX STRIMMER GUARD TO BASE IF LOCATED IN GRASS. PROPOSED WOOD CONSTITUTE BOARDS TO SURFACE BOARD WALK JETTY AROUND POND, TO BE 'VINTAGE OAK BOARDS', LAID SQUARE ON TO PROPOSED GROUNDCOVER PLANTING WITH 50MM BARK MULCH AFTER JETTY/BRIDGE WITH 1.3M HIGH TIMBER POST AND RAIL FENCE SECURED TO BASE FRAME. BOARDS TO BE SUPPLIED BY THE MILLBOARD. CO. HANDRAIL BY DEVELOPER. TEL: 02476 439943. ALL DETAILS BY STRUCTURAL ENGINEER. PROPOSED ORNAMENTAL HEDGE PLANTING, SET CENTRALLY WITHIN 1.0-1.2M WIDE TRENCH, WITH 50MM BARK MULCH AFTER SETTLEMENT PROPOSED TIMBER KNEERAIL, TYPE TIMBER DIAMOND, 600MM HIGH, BY DEVELOPER WITH STAGGERED ENTRANCE TO LEAP, WHERE INDICATED. ZIG PROPOSED P9 PLANTING WITH 50MM BARK MULCH AFTER SETTLEMENT. ZAG LINE TO INDICATE 1.5M WIDE POND ACCESS SLIP RAIL. PROPOSED POS LITTER BINS: TYPE 'BUXTON STEEL LITTER BIN', WITH PROPOSED FOS EITER BINS. TIFE BOATON STELLETTER STATEMENT OF THE BOATON PROPOSED SEMI NATIVE PLANTING MIXES WITH 50MM BARK MULCH PLATE AND FIXING KIT. ALL TO BE ROOT FIXED INTO CONCRETE SURFACE AS PER MANUFACTURER'S INSTRUCTIONS. SUPPLIED BY BROXAP, TEL: 0844 800 4085 OR SIMILAR APPROVED.
PROPOSED DOG WASTE BINS: POST MOUNTED, 60L DOG WASTE BINS TO BE PROPOSED SHRUB AND HERBACEOUS PLANTING WITH 50MM BARK MULCH AFTER SETTLEMENT. TYPE, 'K-NINE POST MOUNTED DOG WASTE BIN', COLOUR RED, REF: BX45
2580-PM-60. ALL TO BE ROOT FIXED INTO CONCRETE SURFACE AS PER PROPOSED TRANSPLANT/3L WOODLAND PLANTING TO ENHANCE AND MANUFACTURER'S INSTRUCTIONS. SUPPLIED BY BROXAP, TEL: 0844 800 4085 OR SIMILAR APPROVED. OR REPLACE LOST WOODLAND DUE TO REGRADING WORKS WITH BIODEGRADABLE MULCH MATS & RABBIT GUARD TO BASE. PROPOSED 'NO DOGS' SLAB AT ENTRANCE TO PLAY AREA. PROPOSED MARGINAL AND AQUATIC PLANTING. PROPOSED 30" LIFE BUOY WITH HOUSING, POLE AND THE ENCAPSULATED FLOATING LINE TO BE ERECTED NEXT TO POND. SIGNAGE TO BE ADDED TO PROPOSED BULBS, PLANTED RANDOMLY AT 10/m2. PROPOSED GRASS AREAS TO BE TURFED (POS & PLOT FRONTAGES) & 'CUT IN' TO PROVIDE A 100M 'V' REDUCED RECESS AGAINST BORDERS AND HEDGES TO PREVENT LAWNS GROWING STRAIGHT INTO PLANTING AREAS AND MULCH. PROPOSED SEEDED GRASS, TYPE 'EL1', 'FLOWERING LAWN' SEED TO SWALES, LAPS, ROAD VERGES & WIDER FOOTPATH LINKS, SOWN AT 4G/M2 AND MOWN 15-20 TIMES PER YEAR TO 40MM HIGH. ALL ARISINGS 1800MM HIGH LARCH-LAP TIMBER PANEL FENCING. FINELY CHOPPED AND SCATTERED ON SITE. SUPPLIED BY EMORSGATE SEEDS, TEL: 01553 829028, OR SIMILAR APPROVED. REFER TO ENGINEERS DRAWINGS FOR DETAILS OF ANY GRAVEL PROPOSED SEEDED GRASS, TYPE 'EM6', 'MEADOW MIX FOR CHALK AND LIMESTONE SOILS', SOWN AT 4G/M2 BY HYDROSEEDING. MAINTAIN CB 1800MM HIGH CLOSE BOARDED FENCING. REFER TO ENGINEERS DRAWINGS FOR DETAILS OF ANY GRAVEL BOARDS. WITH ANNUAL MEADOW HAY CUT IN SECTIONS, BETWEEN JULY-LATE AUGUST AND REMOVE ALL ARISINGS ONCE DRIED AND SEED HAS DROPPED. SUPPLIED BY EMORSGATE SEEDS, TEL: 01553 829028, OR SIMILAR APPROVED. PROPOSED 'EM8', 'MEADOW MIXTURE FOR WETLANDS', TO THE BASE OF ATTENUATION SWALES AROUND THE CENTRAL POS, SOWN AT 4G/M2 AND SUPPLIED BY EMORSGATE SEEDS, TEL: 01553 829028. CUT BACK IN AUGUST & REMOVE ALL ARISINGS ONCE DRIED AND SEED PROPOSED SOIL EROSION & POLYMIDE GROUND PROTECTION MATTING, TYPE 'STANDARD ENKAMAT', LAID OVER 150MM OF TOPSOIL SPREAD

OVER THE EXISTING SLOPE AND SEEDED BY HYDROSEEDING WITH 'EM6',
PRIOR TO LAYING MATTING. ANNUAL CUTTING OF 'EM6' MEADOW IS NOT
TO BE UNDERTAKEN TO THIS SECTION OF SLOPE. P9 NATIVE SAPLINGS STANDS FROM BROXAP - REF: BX/MW/SH FIXED TO CONCRETE FLOOR ALL TO ACCOMMODATE 2NO. CYCLES. TO BE SLIT PLANTED THROUGH MATTING INTO TOPSOIL WITH A HEAVY JUTE MULCH MAT SECURED TO BASE OF PLANT. MATTING TO BE SECURED WITH PEGS TO 0.6M DEEP INTO SUBSOIL AT 0.75M CENTRES THROUGHOUT, AS TIE IN TRENCH AT TOP OF SLOPE IS NOT POSSIBLE WITH NO MACHINE ACCESS. ABSEILING METHODOLOGY FOR ENKAMAT INSTALLATION/INSPECTION BY DEVELOPER. BIN STORAGE POSITION. PAVED HARDSTANDING TO BE PROVIDED (MIN. 1800MM WIDE X 900MM DEEP) TO ACCOMMOADTE 3NO BINS. REFER PROPOSED SELF CLINGING CLIMBER - 5L STOCK, LOCATED AGAINST WALLS. TENSIONED 2MM DIAM GALVANISED HORIZONTAL WIRE SUPPORTS AS REQUIRED. BIN COLLECTION POINT (ON COLLECTION DAY ONLY). 2 BINS RECYLING PAVED SLABS / HARDSTANDING TO BE PROVIDED UNLESS NOTED PROPOSED SMOOTH FINISH, CONCRETE SURFACE UNDER POS SEATING, ROTARY DRYER (30M LINE) WITH TUBE CONCRETED INTO GROUND ALL LAID FLUSH WITH ADJACENT TURE/TOPSOIL WITH TIMBER PEG AND BOARD EDGING, TO ENGNIEER'S DETAILS. PROPOSED SELF BINDING GRAVEL AGGREGATE SURFACED FOOTPATH,
1.2M-1.8M WIDE, TYPE 'WAYFARER', 50MM COMPACTED DEPTH OVER
SUB BASE OF 150MM CONSOLIDATED, CRUSHED MATERIAL/ ROAD
PLAININGS. SURFACE SUPPLIED BY BREEDON AGGREGATES LTD (TEL: EXISTING FOOTPATH OUTSIDE OF SITE BOUNDARY. EXISTING SITE BOUNDARY CHAIN LINK FENCE TO BE RETAINED. PROPOSED POTENTIAL FOOTPATH LINK ACROSS EL1 GRASSLAND, 1.2M WIDE ALONG SIDE OF SLOPE. 01332 694001) OR SIMILAR. TIMBER EDGE BOARDS TO RETAIN SURFACE MATERIALS. PROPOSED GRAVEL OVER GEOTEXTILE MEMBRANE, 50MM DEPTH. PROPOSED BOX STEPS 2.5-3.0M WIDE TO LINK UPPER AND LOWER FOOTPATHS. RISERS AND EDGES TO BE TIMBER SLEEPERS AND SURFACES PROPOSED TIMBER PEG AND BOARD EDGING BETWEEN GRAVEL OVER GEOTEXTILE AND PLANTING AND AROUND RUBBER SAFETY MULCH IN LEAP. TO BE LOSE GRAVEL SET INTO CELLULAR CONFINEMENT GEOGRID, 75MM TIMBER EDGING TO BE 150 X 38MM, SECURED WITH WOODEN PEGS 50 X PROPOSED POST AND RAIL FENCE LOCATED ON LOWER GROUND SIDE OF PATHS, 1.2M HIGH, WITH 3 HORIZONTAL RAILS AND STOCK PROOF FENCE SECURED BETWEEN GROUND AND MIDDLE RAIL TO PROTECT PROPOSED TREE ROOT BARRIER 2M DEEP. TYPE, REROOT 2000 BARRIER, 2mm THICK X 2.0m WIDE, REF. RER220X2.0A, WITH JOINT TAPE, REF.RERJTA, SUPPLIED BY BLUE GREEN URBAN, TEL: 01424 433233. PEDESTRIANS. THE UPPER FOOTPATH ABOVE THE CHALK CLIFFS, FENCE OFFSET FROM PATH BY 1.0-5.0M AS TERRAIN PERMITS. PROPOSED POST AND 3X RAIL FENCE WITH STOCK PROOF MESH 1.2M
HIGH, LOCATED TO EDGE OF POND WITH LOCKABLE ACCESS GATE 1.5M PROPOSED PERMEABLE ROOT BARRIER, TO BE WRAPPED AROUND DRAINAGE PIPE & AGGREGATE SURROUNDS IN AREAS OF TREE PLANTING.
TYPE, 'GT 260 PERMEABLE ROOTBARRIER', CODE, '170UR4020B' SUPPLIED PROPOSED POST AND RAIL FENCE LOCATED AROUND POND HEADWALLS, BY GREEN-TECH, TEL: 01423 332100. DETAILS BY ENGINEER. PROPOSED LEAP POS SEAT: REF. F19, 'MINIBANK-KLEIN', TIMBER SEAT IN PROPOSED TIMBER KNEERAIL , TYPE TIMBER DIAMOND, 600MM HIGH, BY DEVELOPER WITH STOCK PROOF MESH SECURED BETWEEN GROUND AND TOP RAIL TO PROTECT PEDESTRIANS, AROUND SWALES IN CENRAL POS, WHERE INDICATED. PLAIN WOOD STAIN FINISH. ROOT FIXED INTO PATH SURFACE AS NECESSARY. SUPPLIED BY RUSSELL PLAY. DETAILS BELOW, OR SIMILAR PROPOSED POS SEAT: TIMBER ASHBOURNE SEAT, REF. BX 720, WITH BLACK METAL DETAILS (RAL 9005), SIZE 1.8M LONG, ROOT FIXED WITH GROUND BOLTS INTO HARD SURFACE. SUPPLIED BY BROXAP, TEL: 01782 564411 OR SIMILAR APPROVED. ECOLOGY Bird boxes are to be used as appropriate for song thrush, dunnock and starling birds amongst other species and to be located on site in conjunction with the project BB1) BIRD BOX, COLOUR BROWN, MOUNTED ONTO BUILDINGS A MINIMUM OF 3m ABOVE GROUND. TO BE MOUNTED BELOW GUTTERS ON EXTERNAL WALLS OF HOUSES, AVOIDING WINDOWS, PATIOS AND PATHS BELOW BIRD BOXES. BOXES SHALL BE SUITABLE FOR SPECIES APPROPRIATE TO THE SITE. MAKE, TYPE AND BIRD SPECIES CATERED FOR TO BE AGREED WITH PROJECT ECOLOGIST. BB1 - BIRD NEST BOXES - 35NO in TOTAL. BIRD BOX, 'SCHWEGLAR KINGFISHER AND SAND MARTIN NEST TUNNEL' TO BE INSTALLED INTO BANK OF POND FOLLOWING MANUFACTUER'S INSTRUCTIONS AND WITH PROJECT ECOLOGIST GUIDANCE. LOCATION TO BE AGREED WITH PROJECT ECOLOGIST. BOX SHALL BE SUITABLE FOR KINGFISHER SPECIES. PROPOSED SCHWEGLAR "WOODCRETE" BAT BOX/BAT TUBE, TYPE "1FF", "2FN" or "1FR", WALL-MOUNTED/INSERTED INTO BRICK WORK ABOVE 5m HIGH ON NEW HOUSES. 35No IN TOTAL. ORIENTATION TO BE SOUTH, SOUTH WEST OR WEST. HEDGEHOG HOLE, MINIMUM 100MM HIGH x 130MM WIDE LOCATED AT THE BASE OF GARDEN FENCING WHERE SHOWN, TO ALLOW MOVEMENT OF HEDGEHOGS FROM GARDEN TO GARDEN AND BEYOND THE SITE BOUNDARIES. 43No. IN TOTAL. 6NO PROPOSED REPTILE HIBERNACULA - LOG PILES, COMPOSED OF FELLED TIMBER FROM SITE, STACKED TO 1M SQUARE X 1M HIGH. LEAP Spielart Play Equipment in natural colours - available from Russell Play, Tel: 01590 675652 PROPOSED PATHS TO LAP: BLACK TOP ASPHALT WEARING SURFACE FOR PEDESTRIAN AREAS, COLOUR: BLACK. DESIGNED TO ENGINEER'S BRITISH STANDARD PRECAST CONCRETE EDGING, TYPE 'FLAT TOP', 50MM WIDE, TO EDGE OF FOOTPATHS, TO ENGINEER'S DETAIL. PROPOSED PLAY EQUIPMENT 'KLETTERSPIEL BERNAU', REF. I 72 - NO COLOUR - NATURAL STAIN WITH NATURAL ROPES, SET OVER RUBBER SAFETY MULCH, 60MM DEEP OVER GRASS. MAXIMUM FREE FALL HEIGHT @ 2.5M to MINIMUM @ PROPOSED PLAY EQUIPMENT 'HOPPELHASEN', REF. P 114 IN NATURAL STAIN WITH PAINTED EYES AND BLACK SPRINGS, SET OVER SAFETY SURFACE IN PROPOSED FREE FALL AREAS AROUND PLAY EQUIPMENT. PROPOSED SMOOTH, ROUNDED GLACIAL BOULDERS TO BE SET FLAT INTO PLAY AREA WITH MINIMUM 450MM HEIGHT ABOVE FINISHED SAND SURFACE, MINIMUM SIZE 1.0M IN ANY ONE DIMENSION, SUPPLIED BY BANNOLD STONE, TEL: 01954 PROPOSED PLAY MOUNDS TO BE CREATED FROM 150MM DEPTH LAYERS OF SUBSOIL WITH 200MM DEPTH TOPSOIL PLACED OVER SURFACE AND CULTIVATED TO FLOWING CONTOURS PRIOR TO TURFING. PROPOSED BONDED RUBBER SAFETY SURFACE, TYPE 'MULCHBOND' 95M2 @ 80MM 80mm45mm DEEP AND 33M2 @ 45MM DEEP, USING @ 20MM DEPTH TOP LAYER 'MULCHBOND' IN STANDARD COLOUR 'HARVEST BEIGE', OVER 60MM OR 25MM DEPTH BLACK BASE RUBBER, LAID OVER GEOTEXTILE MEMBRANE, OVER EVEN AND FLOWING CONTOUR OF COMPACTED PERMEABLE SOIL SUBBASE. SUPPLIED BY ABACUS PLAYGROUNDS, TEL: 0800 5870290. TO CONFORM TO BS EN 1177/6. EXTRACT FROM LANDSCAPE SPECIFICATION REPORT

POST WITH WARNING OF DEEP WATER.

By Developer

100X100MM TIMBER POSTS / BOLLARDS
 TYPE R8 AS HH. DET 09.25.

- 1800MM HIGH JACKSON WOVEN PANEL FENCING.

TIMBER POST AND 3NO. RAIL FENCING (1200MM HIGH), TYPE R20 AS HH. DET 09:08.

TIMBER POST & GALVANISED CHAIN-LINK (600MM HIGH), TYPE R13 AS HH. DET 09.27.

SHED DOOR TO HAVE CYLINDER RIM LOCK.

WEEK AND 1 BIN NORMAL WASTE WEEK.

ACCESSIBLE FROM HARDSTANDING.

WIDE FOR MAINTENANCE.

1.2M HIGH, WITH 3 HORIZONTAL RAILS.

1800MM HIGH, 215MM THICK FEATURE BRICK WALL

The Landscape Architect may inspect the works, without notice, at any point during the project to ensure all soiling and planting specifications are complied with, to the required standards. Any works found to be substandard or at odds to the specification shall be made good, and/or replaced by the contractor at his own expense, unless proof of Landscape Architect substitution or variation approval can be provided.

Refer to ELD drgs HOPK 428/16 - 001 for Key Plan and 002 to 008 for Concept Layouts, ELD Drgs 010 to 016 for Detailed Landscape Proposals, ELD Drg 009 for the Drainage Overlay Layout, Drg 017 for Schedules & Drg 020 for Management Areas. Also refer to the A4, ELD Specification report for planting and maintenance requirements and Landscape managemet Plan.

N.B. These landscape proposals have been cross referenced against DRAINAGE locations only. All other services and utilities to be checked to identify any potential conflicts. Client/engineer to review and advise accordingly.

ALL DIMENSIONS TO BE CHECKED ON SITE. TO BE READ WITH ALL CONTRACT DOCUMENTATION. ANY DISCREPANCIES TO BE REPORTED TO THE CONTRACT ADMINISTRATOR. DO NOT SCALE FROM THIS DRAWING. © Elwood Landscape Design 2021

G.	21-03-09.	LW.	Details of planting, fencing and footpaths to all POS areas
F.	26.01.21	LW.	amended to client comments. Phase 3 housing layout amended to accord with new layout (HH Ext Works v25), received 21.01.21.
E.		RE.	Bench types on drg/Key corrected.
D.	21-02-19	RE.	Ingent drainage imported to HH V15, rec 19-01-07.
C.	04-12-18	LW.	Minor amends to accord with latest layout (External Works
В.	15-11-18	LW.	v15), received 29-11-18. LEAP safety mulch to replace matting. Minor amends to accord with latest layout (External Works v14), received 25-10-18. Latest Drainage/lighting drawing added,
Α.	23-10-18	RE.	received 14.11.18. Minor amends to accord with latest layout (External Works v13), received 13-10-18.
Rev.	Date	Initials	Details

		ANDSCAPE ANDSCAPE ARC			
Suffolk O The Barn, Cherry Tree Green, Stowmarket, S Tel: 01449 768828 E:	Farm, Mendlesham uffolk IP14 5RQ.		Cambridgeshire Office: The Nursery, Market Street, Fordham, Cambridgeshire, CB7 5LQ. Tel: 01638 721066 E: team@e-l-d.co.uk		
\boxtimes		ISSUED BY			
CLIENT: HOPKINS HOM	ES.		PROJECT: IPSWICH ROAD, NEEDHAM MARKET.		
DWG TITLE: DETAILED LAN	DSCAPE PRO	•			
1:250 @ A0			23RD MARCH 2017.		
DRAWN BY: LW.	CHECKED BY: RE.	DRAWING HOPK 42	NO: 28/16-016.	REV G.	