

### NOTES

ALL LEVELS ARE IN METRES DERIVED FROM GPS TRANSFORMATION. DATA COORDINATES ARE OSMGRAD SURVEY NATIONAL GRID DERIVED FROM GPS TRANSFORMATION. GPS COORDINATES AND LEVELS SET TO 0.000 (100 SCALE FACTOR APPLIED). THIS DRAWING HAS BEEN PRODUCED WITH A PLOT SCALE ACCURACY OF 1:500. SERVICE CHAINS INDICATED WHERE APPLICABLE. INVOLVED / DETAILS SUBMITTED FROM SURFACE MONITORING DATA. UTILITY CHAININGS COVERED ARE COPIED FROM RECORDS. THIS SET IS A PRINTED FILE. PLEASE CHECK ALL UTILITY CHAININGS ARE CORRECTLY PLACED. THIS DRAWING IS A COPY FROM THE ORIGINAL. THIS SURVEY HAS BEEN PRODUCED USING 3D TECHNOLOGY THEREFORE PRESENTATION HAS BEEN COMPROMISED.

UTILITY CHAINING  
 3D = 3D CHAINING  
 3D/2D = 3D CHAINING 2D REPRESENTATION  
 2D = 2D CHAINING  
 2D/3D = 2D CHAINING 3D REPRESENTATION

TOPOGRAPHICAL SURVEY/UTILITY KEY

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
[Symbol]	Height	[Symbol]	Water main
[Symbol]	Ground level	[Symbol]	Electric cable
[Symbol]	Ground level	[Symbol]	Gas main
[Symbol]	Ground level	[Symbol]	Telephone
[Symbol]	Ground level	[Symbol]	Optical fibre
[Symbol]	Ground level	[Symbol]	Cable television
[Symbol]	Ground level	[Symbol]	Stormwater
[Symbol]	Ground level	[Symbol]	Other
[Symbol]	Ground level	[Symbol]	Other
[Symbol]	Ground level	[Symbol]	Other

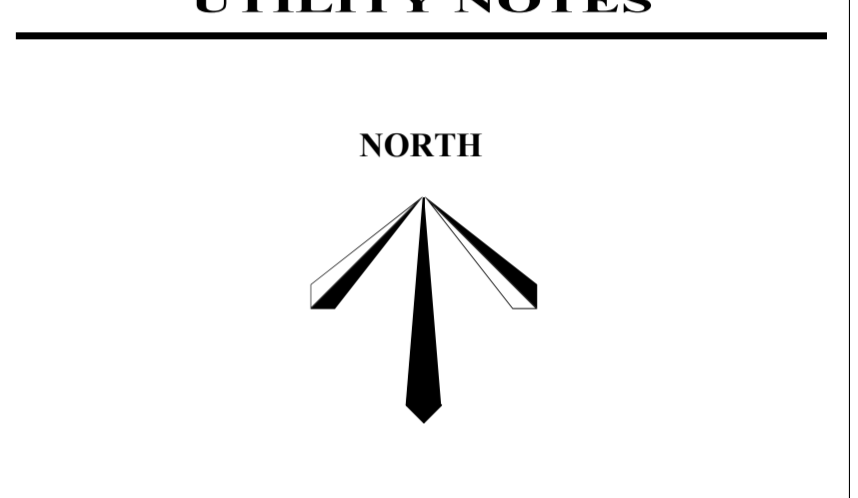
#### UTILITY KEY

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
[Symbol]	Electric cable	[Symbol]	Water main
[Symbol]	Gas main	[Symbol]	Stormwater
[Symbol]	Telephone	[Symbol]	Other
[Symbol]	Optical fibre	[Symbol]	Other
[Symbol]	Cable television	[Symbol]	Other

#### UTILITY NOTES

Topographic techniques have been used in the location of underground services. The results are not definitive and the information should be used as a guide only. The contractor should be responsible for the location of underground services. The utility companies should be consulted for the location of underground services. The utility companies should be consulted for the location of underground services. The utility companies should be consulted for the location of underground services.

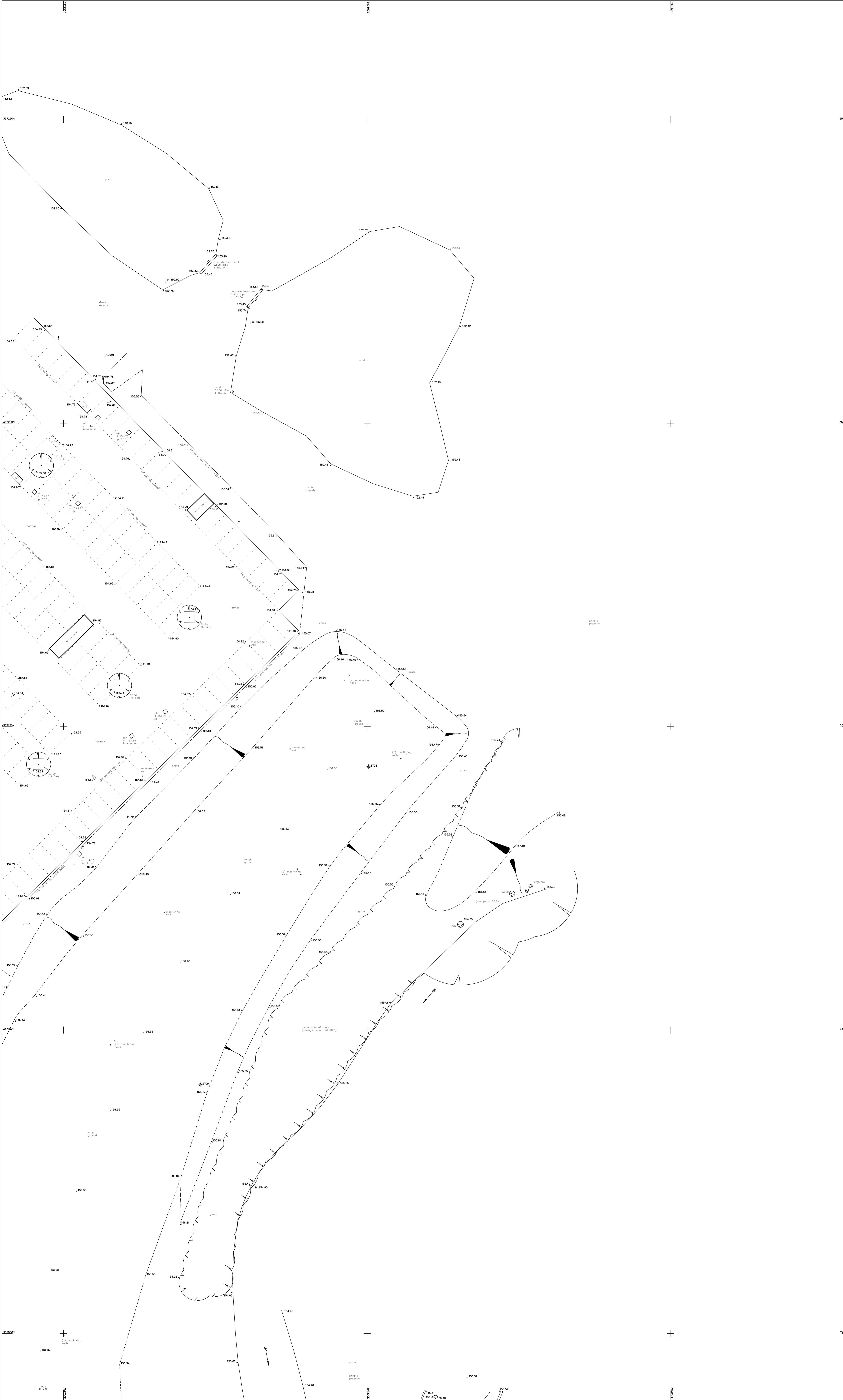
The utility companies should be consulted for the location of underground services. The utility companies should be consulted for the location of underground services. The utility companies should be consulted for the location of underground services.



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 E-MAIL: midland@midlandsurvey.co.uk  
 www.midlandsurvey.co.uk

Client: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Title: 3D TOPOGRAPHICAL SURVEY  
 Date: \_\_\_\_\_  
 Scale: 1:200/500  
 Date: \_\_\_\_\_

TOPOGRAPHICAL (LAND) SURVEYORS / UTILITY SURVEYORS  
 BUILDING MEASUREMENT SURVEYS / 3D LASER SCANNING



**NOTES**

**GENERAL NOTES**  
 ALL LEVELS ARE IN METRES DERIVED FROM GPS TRANSFORMATION.  
 GRID COORDINATES AND CHAINAGE GIVEN NATIONAL GRID DERIVED FROM GPS TRANSFORMATION.  
 GPS COORDINATES AND CHAINAGE GIVEN BY 40 000 (100 SCALE FACTOR APPLIED).  
 THIS DRAWING HAS BEEN PRODUCED WITH A PLOT SCALE ACCURACY OF 1:500.  
 SERVICE CHAINS INDICATED WHERE APPLICABLE. INVERTS / DETAILS SUPPLIED FROM SURFACE MONITORING ONLY. CHAINAGE CHANGES COVERING AND COVERED BY MONUMENTS SHALL BE AT THE SURVEYOR'S DISCRETION.  
 TREE SPECIES SHOULD BE CONFIRMED BY TREE SPECIALIST IF CRITICAL.  
 UTILITY CHAINS AND INVERTS / DETAILS SUPPLIED FROM SURFACE MONITORING ONLY. CHAINAGE CHANGES COVERING AND COVERED BY MONUMENTS SHALL BE AT THE SURVEYOR'S DISCRETION.  
 SERVICE CHAINS LOCATED UNDER PARKED VEHICLES/MOBILE STRUCTURES MAY BE OMITTED.  
 MONUMENTS SHOWN SHALL NOT BE INDICATED.  
 THIS SURVEY HAS BEEN PRODUCED USING 3D TECHNIQUES THEREFORE PRESENTATION HAS BEEN COMPLETED.

**TOPOGRAPHICAL SURVEY/UTILITY KEY**

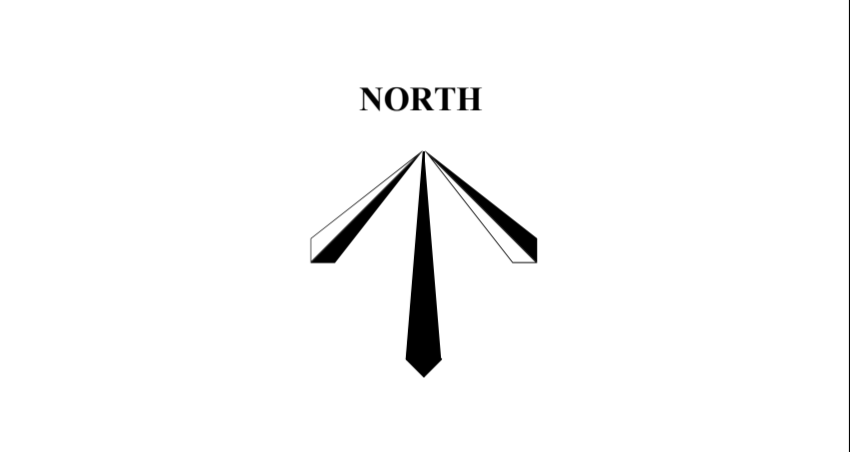
(S)	Height	(L)	Level
(E)	Electric	(W)	Water
(G)	Gas	(C)	Concrete
(H)	Hand	(M)	Manhole
(P)	Point	(N)	North
(R)	Road	(S)	Service
(T)	Terrace	(V)	Valley
(U)	Utility	(X)	Other
(Y)	Yield	(Z)	Zones
(AA)	Asphalt	(AB)	Asphalt
(AC)	Concrete	(AD)	Concrete
(AE)	Electric	(AF)	Electric
(AG)	Gas	(AH)	Gas
(AI)	Hand	(AJ)	Hand
(AK)	Height	(AL)	Height
(AM)	Manhole	(AN)	Manhole
(AO)	North	(AP)	North
(AQ)	Other	(AR)	Other
(AS)	Service	(AT)	Service
(AV)	Valley	(AW)	Valley
(AX)	Water	(AY)	Water
(AZ)	Yield	(BA)	Yield
(BB)	Zones	(BC)	Zones
(BD)	Asphalt	(BE)	Asphalt
(BF)	Concrete	(BG)	Concrete
(BH)	Electric	(BI)	Electric
(BJ)	Gas	(BK)	Gas
(BL)	Hand	(BM)	Hand
(BN)	Height	(BO)	Height
(BP)	Manhole	(BQ)	Manhole
(BR)	North	(BS)	North
(BT)	Other	(BU)	Other
(BV)	Service	(BV)	Service
(BW)	Valley	(BW)	Valley
(BX)	Water	(BX)	Water
(BY)	Yield	(BY)	Yield
(BZ)	Zones	(BZ)	Zones

**UTILITY SURVEY KEY**

(E)	Electric Cable	(G)	Gas
(H)	Hand	(M)	Manhole
(P)	Point	(R)	Road
(T)	Terrace	(U)	Utility
(V)	Valley	(W)	Water
(X)	Other	(Y)	Yield
(Z)	Zones	(AA)	Asphalt
(AB)	Concrete	(AC)	Concrete
(AD)	Electric	(AE)	Electric
(AF)	Gas	(AG)	Gas
(AH)	Hand	(AI)	Hand
(AJ)	Height	(AK)	Height
(AL)	Manhole	(AM)	Manhole
(AN)	North	(AO)	North
(AP)	Other	(AQ)	Other
(AR)	Service	(AS)	Service
(AT)	Valley	(AU)	Valley
(AV)	Water	(AW)	Water
(AX)	Yield	(AY)	Yield
(AZ)	Zones	(BA)	Zones
(BB)	Asphalt	(BC)	Concrete
(BD)	Electric	(BE)	Electric
(BF)	Gas	(BG)	Gas
(BH)	Hand	(BI)	Hand
(BJ)	Height	(BK)	Height
(BL)	Manhole	(BM)	Manhole
(BN)	North	(BO)	North
(BP)	Other	(BQ)	Other
(BR)	Service	(BS)	Service
(BT)	Valley	(BU)	Valley
(BV)	Water	(BV)	Water
(BX)	Yield	(BY)	Yield
(BZ)	Zones	(BZ)	Zones

**GENERAL NOTES**  
 Topographical techniques have been used in the location of underground services. The results are not definitive and should not be used as a basis for any construction work. The accuracy of the information cannot be guaranteed.  
 The accuracy of the information is dependent on the quality of the data provided. The accuracy of the information is dependent on the quality of the data provided.  
 Please note that factors such as ground conditions, proximity of other utilities, modern and obsolete construction lines or differences in the quality of the data provided may affect the accuracy of the information.  
 The accuracy of the information is dependent on the quality of the data provided.  
 The accuracy of the information is dependent on the quality of the data provided.

**UTILITY NOTES**



Scale 1:500  
 0 2 4 6 8 10 12 14 16 18 20

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Client: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Title: 3D TOPOGRAPHICAL SURVEY  
 Date: \_\_\_\_\_ Revisions: \_\_\_\_\_  
 Scale: 1:200(MA)  
 Day No: \_\_\_\_\_  
 Surveyor: \_\_\_\_\_  
 Checked: \_\_\_\_\_

