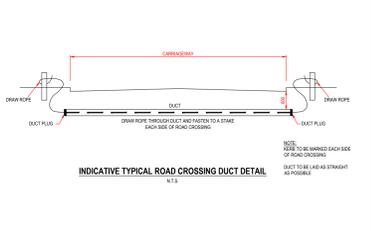
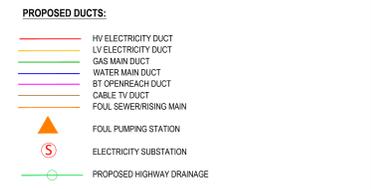


DO NOT SCALE: CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ANY OMISSIONS OR ERRORS

NOTES  
THE SERVICES INFORMATION GIVEN ON THIS PLAN IS GIVEN WITHOUT OBLIGATION OR WARRANTY. THE ACCURACY THEREOF CANNOT BE GUARANTEED. EXCAVATION SHOULD BE CARRIED OUT IN ACCORDANCE WITH HSG147 AVOIDING DANGER FROM UNDERGROUND SERVICES  
THE POSITION OF ALL APPARATUS SHOULD BE VERIFIED INDEPENDENTLY PRIOR TO ANY INVASIVE OPERATION ON SITE  
ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE  
EXISTING ADOPTED UTILITY SERVICES TAKEN FROM ASSET RECORDS BY SSE, SON, WESSEX WATER, GTC AND BT OPENREACH. REFERENCE SHOULD BE MADE TO THE STATUTORY UNDERTAKES ASSET PLANNING FOR FURTHER INFORMATION. THESE DRAWINGS IDENTIFY INDIVIDUAL MAIN SERVICES ONLY AND DO NOT IDENTIFY ALL INDIVIDUAL SERVICE CONNECTIONS WHICH MAY EXIST

LEGEND:  
EXISTING UTILITIES:  
HV - HV - SSE HV ELECTRICITY - 11kV  
LV - LV - SSE LV ELECTRICITY  
SGN - SGN GAS MAIN (MEDIUM PRESSURE)  
LP - LP - SGN GAS MAIN (LOW PRESSURE)  
W - W - W - WESSEX WATER - WATER MAIN  
BT - BT - BT OPENREACH OVERHEAD LINE  
BT - BT - BT OPENREACH UNDERGROUND DUCT  
FWS - FWS - WESSEX WATER - FOUL SEWER  
SWS - SWS - WESSEX WATER - SURFACE WATER SEWER

PROPOSED DUCTS:  
HV ELECTRICITY DUCT  
LV ELECTRICITY DUCT  
GAS MAIN DUCT  
WATER MAIN DUCT  
BT OPENREACH DUCT  
CABLE TV DUCT  
FOUL SEWERING MAIN  
FOUL PUMPING STATION  
ELECTRICITY SUBSTATION  
PROPOSED HIGHWAY DRAINAGE



NOTE: ALL SERVICES TO BE POSITIONED BELOW 'ROAD BASE' LEVEL AND DIMS SHOWN ARE A MINIMUM TO TOP OF DUCTS. LEVEL OF FINISHED CARRIAGEWAY. ELECTRICITY: BLACK ALKATHENE 30mm Ø SERVICE DUCT (WITH MARKER TAPE) 200mm Ø MIN BORE FOR 150mm Ø BORE IN ACCORDANCE WITH BS6869 CONDUITS FOR ELECTRICAL INSTALLATIONS PART 1. GAS: YELLOW PNEUMATIC 150mm Ø MIN BORE FOR BS 120mm PE SERVICE PIPE (A SUITABLE STANDARD IS BS 4032). WATER: BLUE RIDGIDUCT 100mm Ø MIN BORE FOR BS 100mm PE SERVICE PIPE (A SUITABLE STANDARD IS BS 4032). BT OPENREACH: GREY 30mm PVC SERVICE DUCTS AS 'FREE ISSUE' GREY 90mm PVC MAIN DUCTS AS 'FREE ISSUE' CABLE TV (COMB): GREEN 50/110/115mm Ø PVC DUCTS AS REQUIRED

TYPICAL ROAD CROSSING DUCTS

REV	DESCRIPTION	BY	CHK	APP	DATE
-	FIRST ISSUE	JR			05-02-20

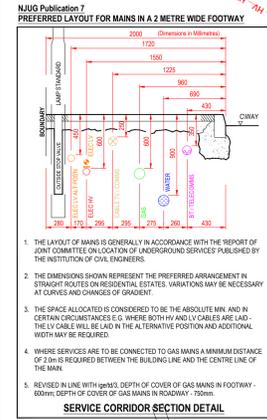
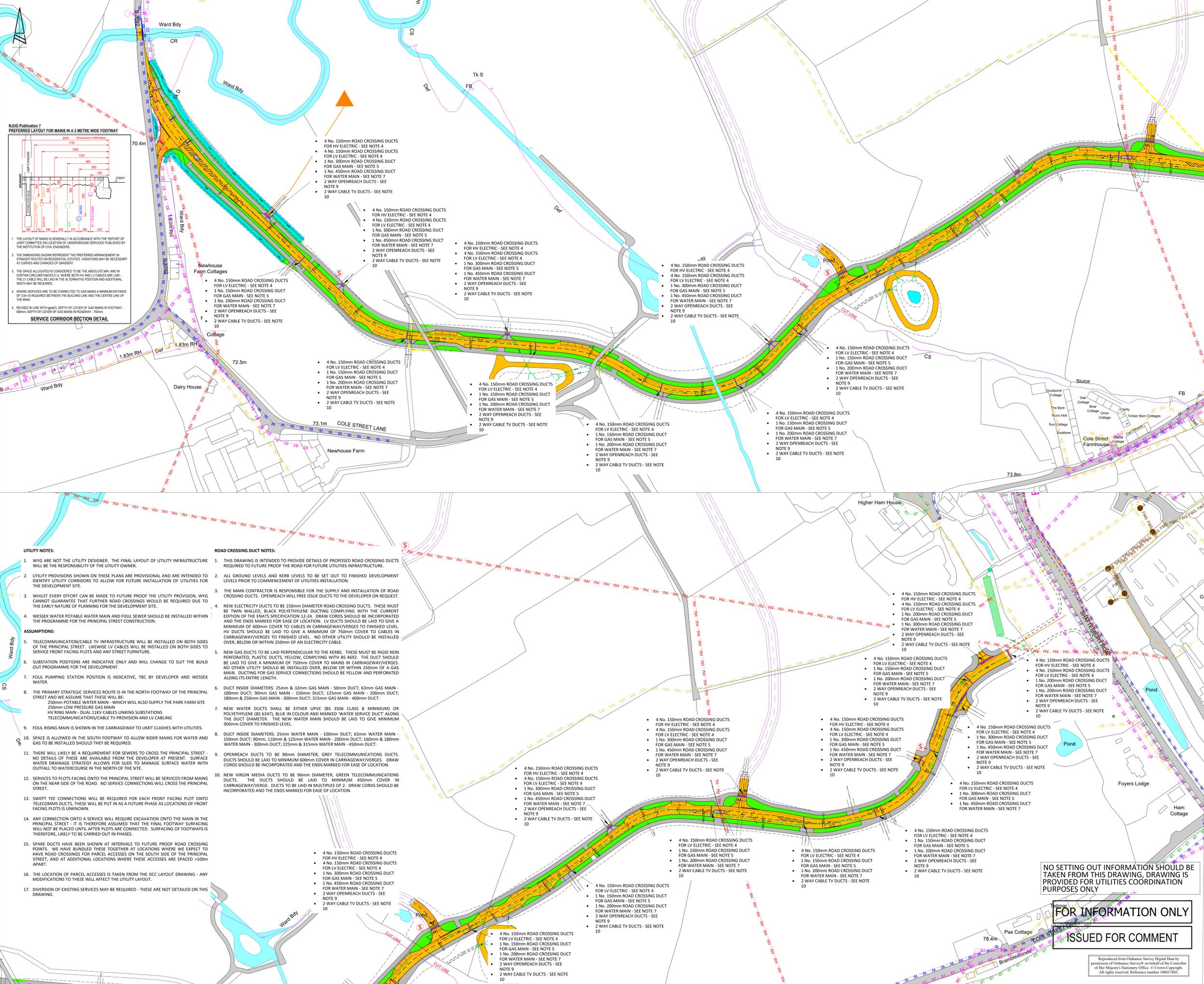
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Project:  
GILLINGHAM SOUTHERN EXTENSION  
GILLINGHAM, DORSET  
Drawing Title:  
PRINCIPAL STREET - PROPOSED UTILITIES  
ROAD CROSSING DUCT LAYOUT

Scale @	AD	Drawn	Date	Checked	Date	Approved	Date
1:1000	JR	05-02-2020	JM	05-02-2020			
Project No.	A111742	Office	35	Type	12	Drawing No.	004

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1. THE LAYOUT OF MAINS IS GENERALLY IN ACCORDANCE WITH THE REPORT OF JOINT COMMITTEE ON LOCATION OF UNDERGROUND SERVICES PUBLISHED BY THE INSTITUTION OF CIVIL ENGINEERS.  
2. THE DIMENSIONS SHOWN REPRESENT THE PREFERRED ARRANGEMENT IN STRAIGHT ROUTES ON RESIDENTIAL ESTATES. VARIATIONS MAY BE NECESSARY AT CURVES AND CHANGES OF GRADIENT.  
3. THE SPACE ALLOCATED IS CONSIDERED TO BE THE ABSOLUTE MIN AND IN CERTAIN CIRCUMSTANCES (i.e. WHERE BOTH HV AND LV CABLES ARE LAID) THE LV CABLE WILL BE LAID IN THE ALTERNATIVE POSITION AND ADDITIONAL WIDTH MAY BE REQUIRED.  
4. WHERE SERVICES ARE TO BE CONNECTED TO GAS MAINS A MINIMUM DISTANCE OF 2.0m IS REQUIRED BETWEEN THE BUILDING LINE AND THE CENTRE LINE OF THE MAIN.  
5. REVEALED LINING WITH 100mm DEPTH OF COVER OF GAS MAINS IN FOOTWAY - 800mm DEPTH OF COVER OF GAS MAINS IN ROADWAY - 750mm

UTILITY NOTES:  
1. WYG ARE NOT THE UTILITY DESIGNER. THE FINAL LAYOUT OF UTILITY INFRASTRUCTURE WILL BE THE RESPONSIBILITY OF THE UTILITY OWNER.  
2. UTILITY PROVISIONS SHOWN ON THESE PLANS ARE PROVISIONAL AND ARE INTENDED TO IDENTIFY UTILITY CORRIDORS TO ALLOW FOR FUTURE INSTALLATION OF UTILITIES FOR THE DEVELOPMENT SITE.  
3. WHILST EVERY EFFORT CAN BE MADE TO FUTURE PROOF THE UTILITY PROVISION, WYG CANNOT GUARANTEE THAT FURTHER ROAD CROSSINGS WOULD BE REQUIRED DUE TO THE EARLY NATURE OF PLANNING FOR THE DEVELOPMENT SITE.  
4. WESSEX WATER POTABLE WATER MAIN AND FOUL SEWER SHOULD BE INSTALLED WITHIN THE PROGRAMME FOR THE PRINCIPAL STREET CONSTRUCTION.  
ASSUMPTIONS:  
1. TELECOMMUNICATIONS/CABLE TV INFRASTRUCTURE WILL BE INSTALLED ON BOTH SIDES OF THE PRINCIPAL STREET. LIKEWISE LV CABLES WILL BE INSTALLED ON BOTH SIDES TO SERVICE FRONT FACING PLOTS AND ANY STREET FURNITURE.  
2. SUBSTATION POSITIONS ARE INDICATIVE ONLY AND WILL CHANGE TO SUIT THE BUILD OUT PROGRAMME FOR THE DEVELOPMENT.  
3. FOUL PUMPING STATION POSITION IS INDICATIVE, TBC BY DEVELOPER AND WESSEX WATER.  
4. THE PRIMARY STRATEGIC SERVICES ROUTE IS IN THE NORTH FOOTWAY OF THE PRINCIPAL STREET AND WE ASSUME THAT THESE WILL BE:  
250mm POTABLE WATER MAIN - WHICH WILL ALSO SUPPLY THE PARK FARM SITE  
250mm LOW PRESSURE GAS MAIN  
HV RING MAIN - DUAL LV/CABLES LINKING SUBSTATIONS  
TELECOMMUNICATIONS/CABLE TV PROVISION AND LV CABLING  
5. FOUL RISING MAIN IS SHOWN IN THE CARRIAGEWAY TO LIMIT CLASHES WITH UTILITIES.  
6. SPACE IS ALLOWED IN THE SOUTH FOOTWAY TO ALLOW RIDER MAINS FOR WATER AND GAS TO BE INSTALLED SHOULD THEY BE REQUIRED.  
7. THERE WILL LIKELY BE A REQUIREMENT FOR SEWERS TO CROSS THE PRINCIPAL STREET - NO DETAILS OF THESE ARE AVAILABLE FROM THE DEVELOPER AT PRESENT. SURFACE WATER DRAINAGE STRATEGY ALLOWS FOR SUDS TO MANAGE SURFACE WATER WITH OUTFALL TO WATERCOURSE IN THE NORTH OF THE SITE.  
8. SERVICES TO PLOTS FACING ONTO THE PRINCIPAL STREET WILL BE SERVICED FROM MAINS ON THE NEAR SIDE OF THE ROAD. NO SERVICE CONNECTIONS WILL CROSS THE PRINCIPAL STREET.  
9. SWEEP THE CONNECTIONS WILL BE REQUIRED FOR EACH FRONT FACING PLOT ONTO TELCOMMS DUCTS, THESE WILL BE PUT IN AS A FUTURE PHASE AS LOCATIONS OF FRONT FACING PLOTS IS UNKNOWN.  
10. ANY CONNECTION ONTO A SERVICE WILL REQUIRE EXCAVATION ONTO THE MAIN IN THE PRINCIPAL STREET - IT IS THEREFORE ASSUMED THAT THE FINAL FOOTWAY SURFACING WILL NOT BE PLACED UNTIL AFTER PLOTS ARE CONNECTED. SURFACING OF FOOTWAYS IS THEREFORE, LIKELY TO BE CARRIED OUT IN PHASES.  
11. SPARE DUCTS HAVE BEEN SHOWN AT INTERVALS TO FUTURE PROOF ROAD CROSSING POINTS. WE HAVE BUNDLED THESE TOGETHER AT LOCATIONS WHERE WE EXPECT TO HAVE ROAD CROSSINGS FOR PARCEL ACCESSES ON THE SOUTH SIDE OF THE PRINCIPAL STREET, AND AT ADDITIONAL LOCATIONS WHERE THESE ACCESSES ARE SPACED >100m APART.  
12. THE LOCATION OF PARCEL ACCESSES IS TAKEN FROM THE DCC LAYOUT DRAWING - ANY MODIFICATIONS TO THESE WILL AFFECT THE UTILITY LAYOUT.  
13. DIVERSION OF EXISTING SERVICES MAY BE REQUIRED - THESE ARE NOT DETAILED ON THIS DRAWING.

ROAD CROSSING DUCT NOTES:  
1. THIS DRAWING IS INTENDED TO PROVIDE DETAILS OF PROPOSED ROAD CROSSING DUCTS REQUIRED TO FUTURE PROOF THE ROAD FOR FUTURE UTILITIES INFRASTRUCTURE.  
2. ALL GROUND LEVELS AND KERB LEVELS TO BE SET OUT TO FINISHED DEVELOPMENT LEVELS PRIOR TO COMMENCEMENT OF UTILITIES INSTALLATION.  
3. THE MAIN CONTRACTOR IS RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF ROAD CROSSING DUCTS. OPENREACH WILL FREE ISSUE DUCTS TO THE DEVELOPER ON REQUEST.  
4. NEW ELECTRICITY DUCTS TO BE 150mm DIAMETER ROAD CROSSING DUCTS. THESE MUST BE TWIN WALLED, BLACK POLYETHYLENE DUCTING COMPLYING WITH THE CURRENT EDITION OF THE ENATS SPECIFICATION 12-24. DRAW CORDS SHOULD BE INCORPORATED AND THE ENDS MARKED FOR EASE OF LOCATION. LV DUCTS SHOULD BE LAID TO GIVE A MINIMUM OF 600mm COVER TO CABLES IN CARRIAGEWAY/VERGES TO FINISHED LEVEL. HV DUCTS SHOULD BE LAID TO GIVE A MINIMUM OF 750mm COVER TO CABLES IN CARRIAGEWAY/VERGES TO FINISHED LEVEL. NO OTHER UTILITY SHOULD BE INSTALLED OVER, BELOW OR WITHIN 250mm OF AN ELECTRICITY CABLE.  
5. NEW GAS DUCTS TO BE LAID PERPENDICULAR TO THE KERBS. THESE MUST BE RIGID NON PERFORATED, PLASTIC DUCTS, YELLOW, COMPLYING WITH BS 4692. THE DUCT SHOULD BE LAID TO GIVE A MINIMUM OF 750mm COVER TO MAINS IN CARRIAGEWAY/VERGES. NO OTHER UTILITY SHOULD BE INSTALLED OVER, BELOW OR WITHIN 250mm OF A GAS MAIN. DUCTING FOR GAS SERVICE CONNECTIONS SHOULD BE YELLOW AND PERFORATED ALONG ITS ENTIRE LENGTH.  
6. DUCT INSIDE DIAMETERS: 25mm & 32mm GAS MAIN - 50mm DUCT; 63mm GAS MAIN - 100mm DUCT; 90mm GAS MAIN - 150mm DUCT; 125mm GAS MAIN - 200mm DUCT; 180mm & 225mm GAS MAIN - 300mm DUCT; 315mm GAS MAIN - 400mm DUCT.  
7. NEW WATER DUCTS SHALL BE EITHER UPVC (BS 3506 CLASS B MINIMUM) OR POLYETHYLENE (BS 3477), BLUE IN COLOUR AND MARKED 'WATER SERVICE DUCT' ALONG THE DUCT DIAMETER. THE NEW WATER MAIN SHOULD BE LAID TO GIVE MINIMUM 900mm COVER TO FINISHED LEVEL.  
8. DUCT INSIDE DIAMETERS: 25mm WATER MAIN - 100mm DUCT; 63mm WATER MAIN - 150mm DUCT; 90mm, 110mm & 125mm WATER MAIN - 200mm DUCT; 160mm & 180mm WATER MAIN - 300mm DUCT; 225mm & 315mm WATER MAIN - 450mm DUCT.  
9. OPENREACH DUCTS TO BE 90mm DIAMETER. GREY TELECOMMUNICATIONS DUCTS SHOULD BE LAID TO MINIMUM 600mm COVER IN CARRIAGEWAY/VERGES. DRAW CORDS SHOULD BE INCORPORATED AND THE ENDS MARKED FOR EASE OF LOCATION.  
10. NEW VIRGIN MEDIA DUCTS TO BE 96mm DIAMETER. GREY TELECOMMUNICATIONS DUCTS. THE DUCTS SHOULD BE LAID TO MINIMUM 450mm COVER IN CARRIAGEWAY/VERGE. DUCTS TO BE LAID IN MULTIPLES OF 2. DRAW CORDS SHOULD BE INCORPORATED AND THE ENDS MARKED FOR EASE OF LOCATION.

NO SETTING OUT INFORMATION SHOULD BE TAKEN FROM THIS DRAWING, DRAWING IS PROVIDED FOR UTILITIES COORDINATION PURPOSES ONLY

FOR INFORMATION ONLY  
ISSUED FOR COMMENT