MECHANICAL DRAWING NOTES:

1. FOR SYMBOLS & ABBREVIATIONS SEE DETAIL SHEETS.
2. EXISTING & NEW WATER MAIN INCLUDING FIRE HYDRANT LOCATIONS ARE SHOWN ON STRUCTURAL ENGINEERS DRAWINGS BY MAIN CONTRACTOR.
3. CONNECTION TO THE LOCAL AUTHORITY WATER &/OR GAS MAIN SHALL BE MADE BY OTHERS. THE MECHANICAL CONTRACTOR SHALL ALLOW FOR MAKING A CONNECTION TO SAME.
4. THRUST BLOCKS SHALL BE PROVIDED BY THE MAIN CONTRACTOR AT EVERY CHANGE OF DIRECTION OR LEVEL OF EXTERNAL M.W.S. PIPEWORK.
5. UNDERGROUND MAINS WATER PIPEWORK SHALL HAVE A MINIMUM COVER OF 1000mm & NOT GREATER THAN 1350mm.
6. UNDERGROUND GAS PIPEWORK SHALL HAVE A MINIMUM COVER OF 1000mm & NOT GREATER THAN 1350mm.
7. UNDERGROUND DIESEL PIPEWORK SHALL HAVE A MINIMUM COVER OF 750mm & NOT GREATER THAN 1350mm. PIPEWORK TO BE WRAPPED WITH DENSO TAPE.
8. THE CONTRACTOR SHALL ENSURE THAT ADEQUATE PROVISIONS ARE MADE ON THE WATER MAIN TO FACILITATE CHLORINATION & SWABBING & SHOULD BE CHECKED WITH THE LOCAL AUTHORITY PRIOR TO THE INSTALLATION OF THE MAIN.
9. WHERE DEPTH OF COVER OF WATER MAIN IS NOT SUFFICIENT, PIPE IS TO BE ENCASED IN 150mm OF CONCRETE.
10. FOR SCHEDULES OF EQUIPMENT SEE SPECIFICATION.
11. THE COMPLETE INSTALLATION TO BE CO-ORDINATED WITH ALL OTHER SERVICES.

ELECTRICAL DRAWING NOTES:

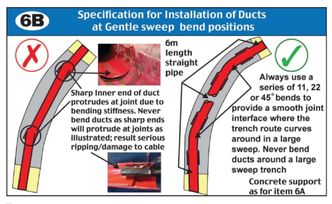
12. DUCTING SHALL COMPLY WITH BSEN 50086-1-2-3-4 LATEST EDITION & SHALL BE SINGLE WALL, COLOURED RED & MANUFACTURED FROM HIGH DENSITY POLYETHYLENE. THE NOMINAL EXTERNAL DIAMETER OF THE DUCT SHALL BE 107mm WITH A MINIMAL WALL THICKNESS OF 5mm. EACH LENGTH OF DUCT SHALL BE STAMPED WITH THE WORDS "PUBLIC LIGHTING", OR ALTERNATIVELY, "STREET LIGHTING", IN 18mm BLACK LETTERING AT 0 DEGREES, AT ONE METRE INTERVALS. DUCT SHALL BE LAID WITH THIS LEGEND FACING UPWARDS. DUCT SHALL BE LAID IN A STRAIGHT LINE CLOSE TO THE LINE OF THE COLUMN LOCATIONS & SHALL CONTAIN A CONTINUOUS DRAW WIRE OF 8KN STRENGTH.
13. A MINIMUM DEPTH OF 450mm COVER IS REQUIRED IN URBAN PATHWAYS & A MINIMUM OF 600mm COVER IS REQUIRED FOR GRASS MARGINS, PEDESTRIAN WAYS, LANEWAYS & GATEWAY ENTRANCES & A MINIMUM DEPTH OF 750mm IS REQUIRED AT ROAD CROSSINGS OR IN CARRIAGEWAYS.
14. ALL EQUIPMENT TO BE SUITABLY IP RATED FOR THE ENVIRONMENT THEY ARE BEING INSTALLED.

BALDOYLE GA01
KEY PLAN
SCALE N.T.S.

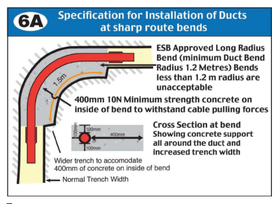
LEGEND OF SYMBOLS:

EX MWS	EXISTING MAINS WATER
EIR	2Nos. 100mmØ EIR DUCT
VIR	2Nos. 100mmØ VIRGIN DUCT
MV	6Nos. 160mmØ MV DUCT
ESB	4Nos. 125mmØ ESB DUCT
EX-ESB	EXISTING ESB DUCT (TO BE RELOCATED)
EVC	2Nos. 125mmØ DUCTS FOR FUTURE EVC STATIONS
	MINI PILLAR (LOCATION & DETAIL TO BE AGREED WITH ESB & ARCHITECT)
	ESB KIOSK (LOCATION & DETAIL TO BE AGREED WITH ESB & ARCHITECT)
	ESB SUB-STATION (LOCATION & DETAIL TO BE AGREED WITH ESB & ARCHITECT)
	ELECTRIC VEHICLE CHARGER MINI PILLAR (LOCATION & DETAIL TO BE AGREED WITH ESB & ARCHITECT)
	PUBLIC LIGHTING MINI PILLAR
	450x4500mm DUCT
	COLUMN MOUNTED FLOOD LIGHT
	ELECTRIC VEHICLE CHARGER SINGLE OUTLET CHARGER
	CAR PARKING SPACE WITH CAR CHARGER

NOTE:
ESB DUCT ROUTES AS PER ESB RECOMENDED LAYOUTS.
EIR AND VIRGIN MEDIA DUCT ROUTES ARE INDICATIVE ONLY.
AWAITING CONFIRMATION FROM BOTH UTILITIE PROVIDERS AS TO THEIR PROPOSED DUCT ROUTES.



DETAIL No.1
ESB STANDARD DUCTING DETAIL
SCALE N.T.S.



DETAIL No.2
ESB STANDARD DUCTING DETAIL
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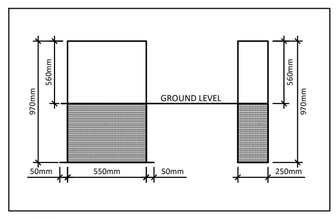
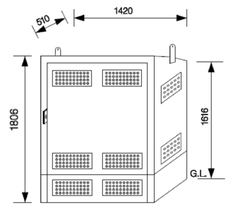
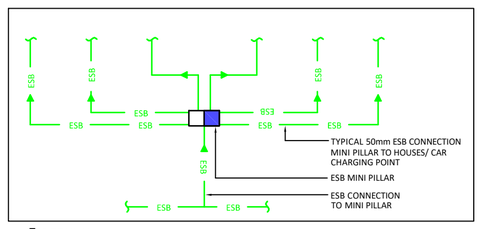


DETAIL No.3
ESB STANDARD MINIPILLAR DETAILS
SCALE N.T.S.



DETAIL No.4
DRI PRESSURE REDUCING STATION
SCALE N.T.S.

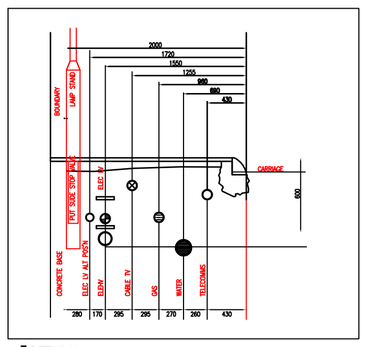


DETAIL No.5
TYPICAL ESB MINI PILLAR CONNECTION DETAIL
SCALE N.T.S.

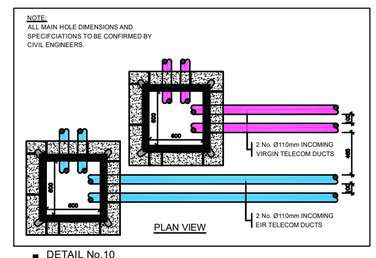
Minimum Trench Widths for 1 & 2 Rows of Ducts

No. Of Ducts in Row	1	2	3	4	5	6
Minimum Trench Width	325	525	875	1150	1425	1700

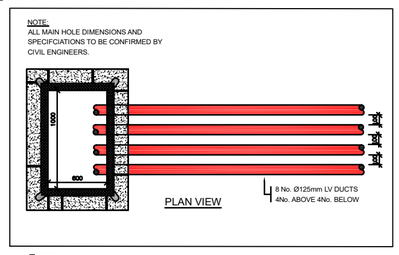
DETAIL No.6
ESB STANDARD TRENCH DETAILS
SCALE N.T.S.



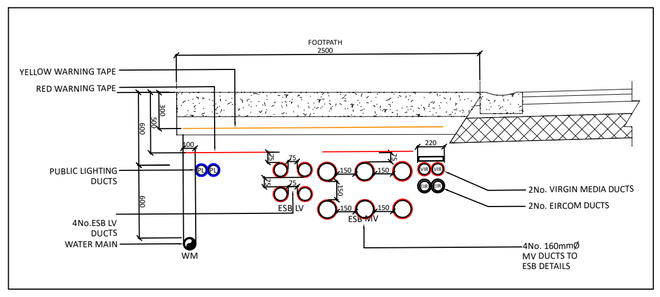
DETAIL No.7
TYPICAL POSITIONING OF UTILITY SERVICES UNDER FOOTWAY
SCALE N.T.S.



DETAIL No.10
TYPICAL DETAIL OF INCOMING TELECOM PROVIDER TYPE 'A' MANHOLES LAYOUT
SCALE: N.T.S.



DETAIL No.9
TYPICAL DETAIL OF LV MANHOLE LAYOUT
SCALE N.T.S.



DETAIL No. 8
A-A TYPICAL TRENCH DETAIL
SCALE: N.T.S.

- FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL AND ENGINEERING DRAWINGS AND ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
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P01	29.05.20	ISSUED FOR COMMENT.	I.F.	J.D.
P02	09.10.20	ISSUED FOR COMMENT.	I.F.	J.D.
P03	28.04.21	ISSUED FOR PLANNING.	B.M.	J.D.

Rev No.	Date	Revision Note	Drn by	Chkd by

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Client: THE SHORELINE PARTNERSHIP
Project: BALDOYLE STAPOLIN GROWTH AREA -1
Title: MECHANICAL & ELECTRICAL SITE SERVICES LAYOUT

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
R500	OCSC	GA01	XX	DR	ME	0003	S4	P03

Date: 02.04.20 Scale: 1:250 @ A0 Drn by:I.F. Chkd by:J.D. Aprvd by:M.cC.