

FILENAME: P:\ME_PROJECTS_60000\A062408_CREATIVE & MEDIA ACADEMY\DRAWINGS\MECH\00_SERIES\WY-DRG-90-1104.DWG | PLOTTED DATE: 13 February 2013 16:30:17



TUBELLO 'LED' SLOT
BOLLARD LUMINAIRE REF. G



FACTOR 'LED' LUMINAIRE
REF. Y & Z

NOTE
THIS DRAWING INDICATES THE DESIGN
INTENT OF THE EXTERNAL SERVICES,
SHOWING DUCT SIZES & SERVICE
ROUTES. PLEASE REFER TO DRAWING
WY-DRG-90-1107 FOR THE
MULTI-SERVICES TRENCH ROUTE.

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

NOTES

- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- COPYRIGHT ALL RIGHTS RESERVED. THIS DRAWING MUST NOT BE REPRODUCED, IN WHOLE OR IN PART WITHOUT PERMISSION.
- THIS LAYOUT CONTAINS AN INDICATIVE SCHEME AND SHOULD ONLY BE USED FOR TENDER PURPOSES.
- ALL TENDER DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE REQUIREMENTS SET OUT IN THE SPECIFICATION, AND ALL OTHER ASSOCIATED DOCUMENTS.
- INTERNAL COURTYARD LUMINAIRES TO BE CONTROLLED INDEPENDENTLY AND HAVE CENTRAISED MEANS OF SWITCHING ON AND OFF FROM MAIN RECEPTION AREA.
- NOTIONAL FOOTPATH LUMINAIRES TO BE TIME CONTROLLED INDEPENDENTLY OF THE FEEDER PILLAR. TIME TO BE ADVISED BY MCC.

LEGEND

- EXISTING WATER MAIN
- NEW WATER MAIN
- FIRE HYDRANT
- NEW GAS MAIN
- ELECTRICAL DUCT
- INCOMING BT
- HYDRANT POINT
- FEEDER PILLAR
- 1200 x 800mm DRAW PIT
- 600 x 600mm DRAW PIT
- 1500 x 1500mm DRAW PIT
- 2000 x 2000mm DRAW PIT
- PAN, TILT, ZOOM EXTERNAL CAMERA
- BUILDING DISTRIBUTION FRAME
- PETROL INTERCEPTOR
- SUPPLYLIGHTS & DUCTS
- SIGN ONLY

LUMINAIRE SCHEDULE

Symbol	Label	Cat. No.	Description	Lamp	Lumens	LLF
	I	SLF-400CDMT3.AY90	SEATTLE	400W CLEAR 3700K PROTECTED CERAMIC METAL HALIDE (E40)	41000	0.84
	A	DPS150CDMT3.AY	DENVER POLE @ 6 mtrs	150W CDMT	14000	0.83
	A-WAL	DPS150CDMT3.AY	DENVER WALL MTD.	150W CDMT	14000	0.83
	A2	DPS150CDMT3.AY	DENVER POLE @ 6 mtrs	150W CDMT	14000	0.83
	B	DPS150CDMT3.NR	DENVER POLE @ 6 mtrs	150W CDMT	14000	0.83
	B-WAL	DPS150CDMT3.NR	DENVER WALL MTD.	150W CDMT	14000	0.83
	B2	DPS150CDMT3.NR	DENVER POLE @ 6 mtrs	150W CDMT	14000	0.86
	C	DWS42PL4	DENVER WALLMOUNTING @ approx 3 mtrs	42W COMPACT FLUORESCENT 4 PIN	3200	0.90
	G	KINGFISHER	TUBELLO BOLLARD @ 3.0 mtrs	44W LED		
	H		8 mtr 110mm DIA. COLUMN CHV 3 No. 150W MEGA GAULEO	TRIPLE 150W COATED CDM-T-3000K METAL HALIDE E27		
	J	ATL255PL4	ATLANTA 2x55W COMPACT FLUORESCENT 4 PIN (2G11)		4800	0.90
	K	MH400.35MT6	HYDRELIN GROUND	35W CDM-T - 3000K		
	Y	FTRL114.NR	FACTOR SERIES LONG AND NARROW	LED C.11000LM - 4000K		
	Y-WAL	FTRL114.NR	FACTOR SERIES LONG AND NARROW	LED C.11000LM - 4000K		
	Y2	FTRL114.NR	FACTOR SERIES LONG AND NARROW	LED C.11000LM - 4000K		
	Z	FTRL114.AY	FACTOR SERIES ASYMETRIC	LED C.11000LM - 4000K		
	Z-WAL	FTRL114.AY	FACTOR SERIES ASYMETRIC	LED C.11000LM - 4000K		
	Z2	FTRL114.AY	FACTOR SERIES ASYMETRIC	LED C.11000LM - 4000K		

C20	MUGA PITCH COLUMNS REALIGNED. DIMENSIONS ADDED FOR CLARITY.	CB	GF	SC	13/02/13
C19	MODIFICATIONS TO MUGA PITCH	DN	GF	SC	08/02/13
C18	PETROL INTERCEPTOR RELOCATED	DN	GF	SC	15/01/13
C17	POWER ADDED TO BIN STORE. EXTERNAL LIGHTS TO SPORTS AND INCLUSION CIRCUIT REFERENCES INDICATED.	DN	GF	SC	10/09/12
C16	DUCT ADDED. GATE CONTROLS REVISED	CB	GF	SC	08/08/12
C15	GATE 6 CONTROL ADDED. GATE 7 CONTROL ADDED. GATE 11 CONTROL AMENDED. REF OM-MCC-EW-282	CB	GF	SC	24/07/12
C14	POWER SUPPLY INDICATED TO CCTV CAMERAS. GATE 18 DUCT PROVISION AMENDED. BOLLARD LIGHTING TYPE AMENDED.	CB	GF	SC	12/07/12
C13	EXTERNAL SIGNAGE AMENDED	CB	GF	SC	15/06/12
C12	ADDITIONAL SIGNAGE ADDED. IN GROUND LUMINAIRES INDICATED TO ILLUMINATE SIGNAGE. WATER METER DUCT ADDED FOR BMS CONNECTION	CB	GF	SC	25/05/12
C11	X-REF UPDATED. DUCT TO GATE No. 18 INDICATED	DN	GF	SC	27/03/12
C10	SIGNAGE POSITIONS INDICATED. LUMINAIRE TYPES AMENDED. LED LUMINAIRES ADDED. CIRCUITS AMENDED AND ADDED. DUCT ROUTES AMENDED.	DN	GF	SC	16/01/12
C9	POWER SUPPLIES ADDED TO STAGE AND CANOPY AREAS.	IFG	GF	SC	21/11/11
C8	CMA BUILDING MOUNTED LUMINAIRES AMENDED TO ARCHITECTURAL CLADDING DETAIL POSITIONS. LUMINAIRES NUMBERED TO MATCH ARCHITECTS DRAWINGS.	DN	GF	SC	27/09/11
C7	DRAW PITS FOR INCOMING BT SERVICES AMENDED. DUCTS TO GATE ACCESS SYSTEM ADDED	CB	HD	SC	12/09/11
C6	CIRCUIT REFERENCES TO BUILDING MOUNTED LIGHTING ADDED. NOTE ADDED RE. MULTI-SERVICE TRENCH. DUCTS TO PITS ADDED.	CB	HD	SC	25/08/11
C5	115 IN HYDRANT MAIN IN CHAMBERS FOR STAGED COMMISSIONING AT LEND LEASE REQUEST. BT REFERENCE AND NOTES ADDED	DN	HD	SC	05/07/11
C4	REVISED ROUTES FOR GAS & WATER TO SPORTS INCLUSION CENTRE. BT REFERENCE AND NOTES ADDED	IFG	GF	SC	23/06/11
C3	MODIFIED AS INDICATED	DN	GF	SC	20/05/11
C2	DUCTS, DRAW PITS & COLUMNS AMENDED TO SUIT REVISED LANDSCAPING REQUIREMENTS. DETAILS ADDED FOR COMPLETENESS. GAS PIPES AT ENERGY CENTRE ALTERED TO REFLECT DRAWING M090110. REVISED AS INDICATED. CIRCUIT REFERENCES & LUMINAIRE SCHEDULE ADDED. ENVI. CABLE ROUTE ADDED.	IFG	GF	SC	19/05/11
C1	CONTRACT ISSUE	CB	GF	SC	18/05/11
REV	DESCRIPTION	BY	CHK	APP	DATE



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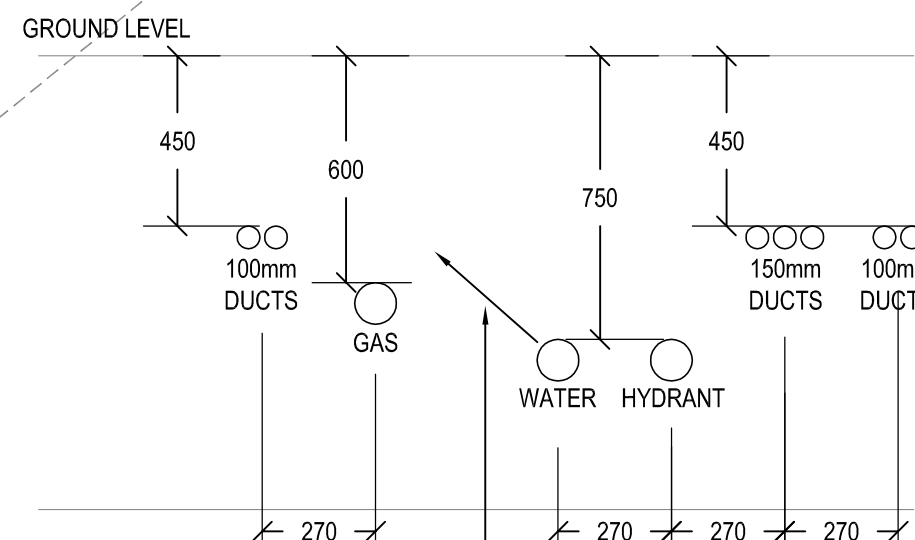


Project:
CREATIVE & MEDIA ACADEMY
MANCHESTER CITY COUNCIL

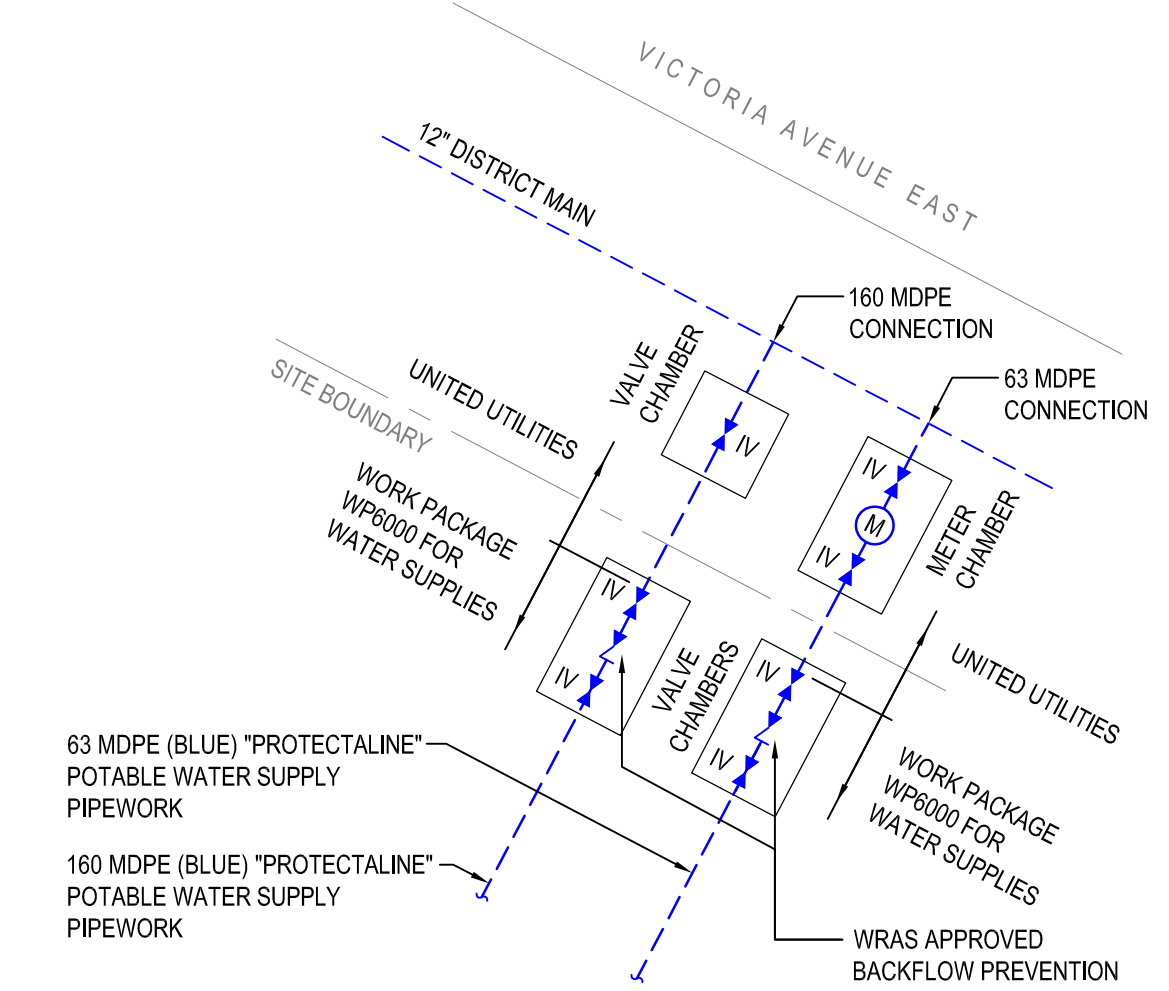
Drawing Title:
MECHANICAL & ELECTRICAL
EXTERNAL SERVICES LAYOUT

Scale @ A50	Drawn CB	Date 18/01/11	Checked RS/IDH	Date 09/03/11	Approved SC
Project No. A062408	Office 27	Type ME	Drawing No. WY-DRG-90-1104	Revision C20	

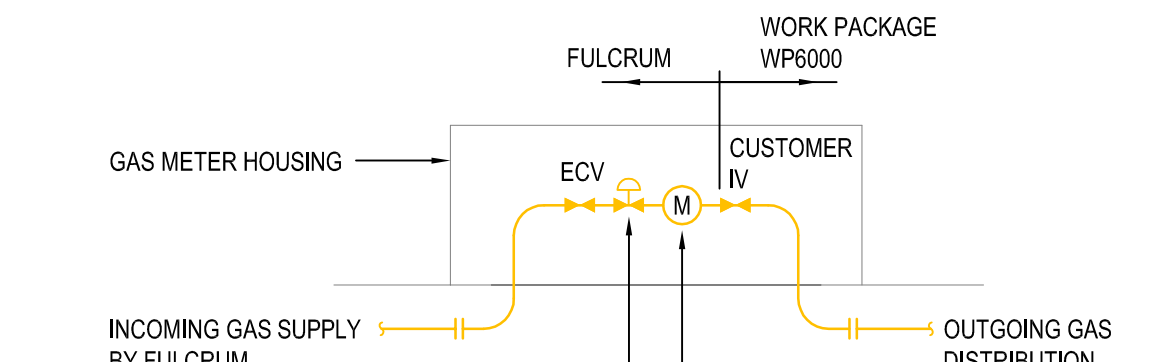
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SECTION A-A



PROPOSED ARRANGEMENT OF POTABLE WATER
AND FIRE FIGHTING WATER SUPPLY
CONNECTIONS AT SITE BOUNDARY



PROPOSED ARRANGEMENT OF GAS SUPPLY
ARRANGEMENTS AT FULCRUM

EXTERNAL SECURITY

- G2 IP65 VIDEO PHONE TO NORTH RECEPTION. SWIPE CARD TO RELEASE GATE. GATE TO BE MANUALLY OPENED. EXT TO BE VIA SHROUDED RELEASE BUTTON FITTED ON GATE LOCKING MECHANISM LOOKING BOLT ARRANGEMENT. INTERCOM TO BE FITTED ON GATE POST TO THE UNSECURED SIDE OF GATE.
- G11 IP65 VIDEO PHONE TO SOUTH RECEPTION TO BE FITTED ON THE UNSECURED SIDE ONLY OF THE GATE. SWIPE CARD TO RELEASE LOCK OR ON RELEASE FROM SOUTH RECEPTION. ONE GATE ONLY TO BE RELEASED & ON SPRING TYPE AUTO CLOSER. GATE TO BE SECURED BY TWO MANUAL BOLTS & 'MAG' TYPE ELECTRIC TYPE LOCK.