

GENERAL ABBREVIATIONS

A/C	AIR CONDITIONING
AB	ANCHOR BOLT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
APPROX.	APPROXIMATE
ARCH	ARCHITECTURAL
&	AND
BH	BOREHOLE
BLDG	BUILDING
BM	BENCH MARK
CRS	CENTRES
C/C	CENTRE TO CENTRE
C/W	COMPLETE WITH
CG	CENTRE OF GRAVITY
Ch	CHAINAGE
CIDH	CAST-IN-DRILLED HOLE
CJ	CONSTRUCTION JOINT
CONT	CONTINUED
CONST	CONSTRUCTION
DEG	DEGREES
DIM	DIMENSION
DRG No.	DRAWING NUMBER
ELEV	ELEVATION
EXTG	EXISTING
GMS	GALVANIZED MILD STEEL
HVAC	HEATING VENTILATION & AIR CONDITIONING
HORIZ	HORIZONTAL
IP	INTERSECTION POINT
LP	STREET LIGHTING POLE
m	METRES
mm	MILLIMETRES
M&E	MECHANICAL & ELECTRICAL
MATL	MATERIAL
MAX	MAXIMUM
MIN	MINIMUM
MJ	MOVEMENT JOINT
MP	MARKER POST
NA	NOT APPLICABLE
No.	NUMBER
NTS	NOT TO SCALE
O&M	OPERATION & MAINTENANCE
OPC	ORDINARY PORTLAND CEMENT
%	PERCENTAGE
PC	PRECAST
PAV	PAVEMENT
QCS	QATAR CONSTRUCTION SPECIFICATION
QHDM	QATAR HIGHWAY DESIGN MANUAL
QTCM	QATAR TRAFFIC CONTROL MANUAL
RAD	RADIUS (IN A NOTE)
RD	ROAD
REV	REVISION
REQD	REQUIRED
RPM	REVOLUTIONS PER MINUTE
RWDP	RAINWATER DOWNPIPE
SCH	SCHEDULE
SQ	SQUARE
ST	SCREED THICKNESS
STD	STANDARD
TB	THRUST BLOCK
THK	THICK
TYP	TYPICAL
VBU	VEHICLE BARIER UNIT
VCB	VEHICLE CRASH BARRIER
VERT	VERTICAL
VP	VENT PIPE
WZTMG	WORK ZONE TRAFFIC MANAGEMENT GUIDE

CONSTRUCTION ABBREVIATIONS

MATERIALS

ALUM	ALUMINIUM
CI	CAST IRON
CONC	CONCRETE
DI	DUCTILE IRON
GMS	GALVANISED MILD STEEL
GRP	GLASS REINFORCED PLASTIC
HDPE	HIGH DENSITY POLYETHYLENE
MDPE	MEDIUM-DENSITY POLYETHYLENE
MS	MILD STEEL
PE	POLYETHYLENE
PVC-U	POLYVINYL CHLORIDE - UNPLASTICISED
SRC	SULPHATE RESISTANT CEMENT
ST STL or SS	STAINLESS STEEL
VC	VITRIFIED CLAY

ELECTRICAL DEFINITIONS

AC	ALTERNATING CURRENT
AMPS	AMPERES
DC	DIRECT CURRENT
ELEC	ELECTRICAL
EF	EXHAUST FAN
KW	KILOWATTS
KWH	KILOWATTS PER HOUR
M	MOTOR
MAG	MAGNETIC
MCC	MAIN CONTROL CENTER
MCP	MAIN CONTROL PANEL
P	PUMP

LEVEL DEFINITIONS

BD IL	BACKDROP INVERT LEVEL
CL	COVER LEVEL
EGL	EXISTING GROUND LEVEL
ERL	EXISTING ROAD LEVEL
FFL	FINISHED FLOOR LEVEL / FINISHED FOOTWAY LEVEL
FGL	FINISHED GROUND LEVEL
FRL	FINISHED ROAD LEVEL
GL	GROUND LEVEL
GW	GROUND WATER TABLE
IL	INVERT LEVEL
BWL	BOTTOM WATER LEVEL
HWL	HIGH WATER LEVEL
LWL	LOW WATER LEVEL
MWL	MEAN WATER LEVEL
TWL	TOP WATER LEVEL
WL	WATER LEVEL

BD	BACK DROP
IBD	INTERNAL BACKDROP
PP	PLUGGED PORT
PPD	PLUGGED BACKDROP

TOS	TOP OF SLAB
TOW	TOP OF WALL

PIPEWORK SURROUNDS

CBS	CONCRETE AND BED SURROUND
GBS	GRAVEL BED AND SURROUND
NDRC/NDM	TRENCHLESS METHOD OF PIPELINE CONSTRUCTION
RC	REINFORCED CONCRETE

PIPEWORK DEFINITIONS

Ø or DIA or D	DIAMETER
DN (1.0)	NORMAL INTERNAL PIPE DIAMETER
BC (0.0)	EXTERNAL PIPE DIAMETER
ID	INTERNAL PIPE DIAMETER
OD	OUTSIDE PIPE DIAMETER
R	RADIUS (AS A DIMENSION)

CHAMBERS

MH	MANHOLE
IC	INSPECTION CHAMBER
HB	HATCHBOX
AV	AIR RELEASE VALVE
WO	WASHOUT
FM	FLOWMETER
IV	ISOLATION VALVE
DC	DISCHARGE CHAMBER
VC	VALVE CHAMBER
PS	PUMPING STATION
SE	SIDE ENTRY INLET CHAMBER
TE	TOP ENTRY INLET CHAMBER

REINFORCED STEELWORK

B	BOTTOM
T	TOP
V	VERTICAL
EF	EACH FACE
NF	NEAR FACE
EW	EACH WAY
AP	ALTERNATE PLACED
ABR	ALTERNATE BARS REVERSED
PRS	PAIRS
STG	STAGGERED
CRS	CENTRES
REINFT	REINFORCEMENT

STRUCTURAL STEELWORK

UB	UNIVERSAL BEAM
UC	UNIVERSAL COLUMN
RSJ	ROLLED STEEL JOIST
RSC	ROLLED STEEL CHANNEL
CHS	CIRCULAR HOLLOW SECTION
RHS	RECTANGULAR HOLLOW SECTION
RSA	ROLLED STEEL ANGLE

COMMERCIAL PIPEWORK FITTINGS

ACC	ASBESTOS CEMENT COUPLING
AF	ALL FLANGED
AFA	ANCHORED FLANGE ADAPTOR
ASC	ANCHORED STEPPED COUPLING
BF	BLANK FLANGE
BV	BUTTERFLY VALVE
C	COLLAR (D.I.)
DF	DOUBLE FLANGE
DJ	DISMANTLING JOINT
DS	DOUBLE SOCKET
FA	FLANGE ADAPTOR
FC	FLEXIBLE COUPLING
FL	FLANGE
FS	FLANGE SPIGOT
GV	GATE VALVE/CHECK VALVE
IPF	INTEGRAL PUDDLE FLANGE
NRV	NON RETURN VALVE
PE	PLAIN END
PF	PUDDLE FLANGE
PRV	PRESSURE REDUCING VALVE
RED	REDUCER
RK	REKA COUPLING (GRP)
SC	STEPPED COUPLING
SFA	STUB FLANGE ASSEMBLY
S/S	SOCKET AND SPIGOT
S/PE	SOCKET AND PLAIN END
SV	SLUICE VALVE

NOTES:

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PA
PROJECTS AFFAIRS

QCS Section:

Drawing Title:

STANDARD ABBREVIATIONS

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