



**AREA 3 - SETTING OUT NOTES:**

- INITIAL STARTING POINT OF LAYOUT COMMENCES WITH POSITIONING 2275mm LONG BLOCK REF: D AND NEAREST BOLLARD No 8 1200mm.
- BLOCKS FROM E TO DD FROM THE 1200mm DIMENSION FROM THE EXISTING FIRE HYDRANT SHOULD TYPICALLY ALIGN.

**AREA 4 - SETTING OUT NOTES:**

- EXISTING MANHOLES TO THE NORTH AND SOUTH MAY DETERMINE LOCATION OF BLOCK FF IN THE NORTH-SOUTH DIRECTION.
- BLOCKS FROM E TO DD FROM THE 1200mm DIMENSION FROM THE EXISTING FIRE HYDRANT SHOULD TYPICALLY ALIGN.
- BOLLARDS RUN & MATADORS FROM 22 TO 68 NEED TO BE SET OUT & INSTALLED PRIOR TO BLOCKS EE, FF & GG BEING INSTALLED AS THESE BOLLARDS DETERMINE THE LINE OF THE BLOCKS.

**AREA 5 - SETTING OUT NOTES:**

- BOLLARDS RUN & MATADORS FROM 22 TO 68 NEED TO BE SET OUT & INSTALLED PRIOR TO BLOCKS HH, JJ & KK BEING INSTALLED AS THESE BOLLARDS DETERMINE THE LINE OF THE BLOCKS.
- BLOCKS HH, JJ & KK TO BE ALIGNED WITH BLOCKS EE, FF & GG ON EAST SIDE.

**AREA 6 - SETTING OUT NOTES:**

- BOLLARD 69 NEEDS TO SET OUT TO DETERMINE EXTENT OF TTC CHAMBER BELOW. IF EXTENT INTERFERES WITH TTC CHAMBER, BOLLARD 69 WILL NEED TO MOVE RIGHT BY APPROPRIATE CLEARANCE. BLOCKS QQ1 TO PP (STARTING FROM RIGHT TO LEFT) CAN THEN BE POSITIONED.
- BLOCKS JJ1 TO QQ1 TO ALIGN WITH BLOCKS TO THE WEST AND ALIGN WITH EXISTING CONCRETE CURB.

**AREA 6/7 - SETTING OUT NOTES:**

- NORTH - SOUTH BOLLARDS ARE SET BY LOCATION OF THE MANHOLES AFFECTING BOLLARDS 72 AND 76 & BOLLARD 75 AT THE TTC VENT.

REFER TO DWG 1126-SY-GA-100  
REFER TO LEA DWG 21-0000X-004

REFER TO DWG 1126-SY-GA-101  
REFER TO LEA DWG 21-0000X-004

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REFER TO LEA DWG 21-0000X-004

REFER TO DWG 1126-SY-GA-101  
REFER TO LEA DWG 21-0000X-005

REFER TO DWG 1126-SY-GA-102  
REFER TO LEA DWG 21-0000X-005

REFER TO DWG 1126-SY-GA-102  
REFER TO LEA DWG 21-0000X-005

REFER TO DWG 1126-SY-GA-102  
REFER TO LEA DWG 21-0000X-005

REFER TO DWG 1126-SY-GA-102  
REFER TO LEA DWG 21-0000X-005

REFER TO DWG 1126-SY-GA-102  
REFER TO LEA DWG 21-0000X-005

REFER TO DWG 1126-SY-GA-403  
REFER TO LEA DWG 21-0000X-004

REFER TO DWG 1126-SY-GA-100  
REFER TO LEA DWG 21-0000X-004

REFER TO DWG 1126-SY-GA-404  
REFER TO LEA DWG 21-0000X-005

REFER TO DWG 1126-SY-GA-102  
REFER TO LEA DWG 21-0000X-005

**AREA 9 SETTING OUT NOTES:**

- NORTH-WEST BOLLARD No.69. SETTING OUT DEPENDANT ON EXTENT OF TTC STRUCTURE BELOW.
- ONCE ASSESSED BOLLARD CAN BE POSITIONED AND NORTH WEST BLOCK POSITIONED, ENSURING CLASH WITH TTC STRUCTURE IS AVOIDED.
- BOLLARD No. 75 TO BE CHECKED AT CLASH POINT WITH VENT TO ENSURE BOLLARD SPACING CAN BE ACHIEVED.
- BOLLARDS 72 AND 76 LOCATION DETERMINED BY LOCATION OF MANHOLES AT THIS LOCATION.
- BOLLARD 75 IS DETERMINED BY TTC VENT LOCATION.

**KEY PLAN**  
SCALE 1:500

- NOTES**
- GENERAL**
- THIS DRAWING SHALL BE READ IN CONJUNCTION TO THE GENERAL NOTES IN DRAWING MP431-LCR-HVM-Z-NTS-0001.
  - DO NOT SCALE FROM THIS DRAWING.
  - ANY QUERIES ARE TO BE REFERRED BACK TO THE ENGINEER FOR CLARIFICATION.
  - ALL HVM LAYOUTS SHOULD BE CONFIRMED BY MAIN CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR CHECKING AND CLARIFICATION OF ANY DEVIATION FROM PLANNED DIMENSIONS.

- TO BE READ IN CONJUNCTION WITH DWG No:
- 1126-SY-GA-000
  - 1126-SY-GA-100
  - 1126-SY-GA-101
  - 1126-SY-GA-102
  - 1126-SY-GA-200
  - 1126-SY-GA-201
  - 1126-SY-GA-202
  - 1126-SY-GA-203
  - 1126-SY-GA-204
  - 1126-SY-GA-205
  - 1126-SY-GA-206
  - 1126-SY-GA-300
  - 1126-SY-GA-301
  - 1126-SY-GA-302
  - 1126-SY-GA-303
  - 1126-SY-GA-400
  - 1126-SY-GA-401
  - 1126-SY-GA-402
  - 1126-SY-GA-403
  - 1126-SY-GA-404

- TO BE READ IN CONJUNCTION WITH LEA DWG No's:
- UVHM-C2023-01
  - UVHM-C2023-02
  - UVHM-C2023-03
  - UVHM-C2023-04
  - UVHM-C2023-05
  - UVHM-C2023-06
  - UVHM-C2023-07
  - UVHM-C2023-08
  - UVHM-C2023-09
  - UVHM-C2023-10
  - UVHM-C2023-11
  - UVHM-C2023-12

P02	05.12.23	FOR TENDER	MJH	MJC	MJC
P01	01.12.23	PRELIMINARY ISSUE	MJH	MJC	MJC
REV	DATE	DESCRIPTION	BY	CHK'D	AP'D

CONTRACT NAME:  
**UNION STATION TORONTO HVM - 23177804**

CLIENT:  
**CITY OF TORONTO.**

**D.J. Goode & Associates Ltd.**  
*Consulting Civil Engineers.*  
The Old Control Tower,  
Lavenham Airfield,  
Old Bury Road,  
Alpheton,  
Sudbury, Suffolk,  
CO10 9BT.

Tel: 01284 827472  
Email: p1@digoode.co.uk

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DRAWN BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:
MJH	08.09.23	MJC	08.09.23		
SIGNED:		SIGNED:		SIGNED:	

DRAWING TITLE:  
**UNION STATION TORONTO  
HVM KEY PLAN**

SCALE:	DRAWING STATUS:	PROTECTIVE MARKING:
1:100 @ A1	FOR TENDER	
DRAWING NUMBER:		REV:
1126-SY-GA-000		P02