

MANHOLE BUTTERFLY

Contract Number:	C17A6-CP2, C19BA
Date:	05/ 07/ 25
Vault Number:	C19BA-206
Location:	150 INNER BELT RD, STA 61+28
City:	SOMERVILLE, MA
Contractor:	COMMONWEALTH CONSTRUCTION
Inspector:	SC
Sheet Number:	01 OF 02

NOTICE

Federal law prohibits working inside this manhole without an approved Entry Permit posted. This facility has been identified as a permit space pursuant to 29 CFR § 1910.146(b).

Determining Authority:
TWDX Infrastructure, LLC
Joint Trench Administrator as provided by PCHEX § 4
1-617-863-8325

WARNING

Operators must be trained for both **Non-Tethered Retrieval** and **Non-Entry Rescue** when working in this permit space.



Maintain Adequate Ventilation

Approved PPV fan is required. Gas detector and full body harness **must be worn**—no exceptions!



Know Your Egress

Always be aware of your surroundings and know where the emergency rescue areas are located.

Never block or clutter an emergency rescue area with tenant cables or equipment.

C17A6

ALL DUCTS ON NORTH WALL GO TO
C17A6 JTP-HEX SYSTEM CROSS CONNECTION
UNLESS OTHERWISE NOTED

FOR C17A6 AS BUILTS, USE URL:
<https://infrastructure.twdx.net/JTPHEX/AsBUILTS>

OR SCAN ON YOUR PHONE:



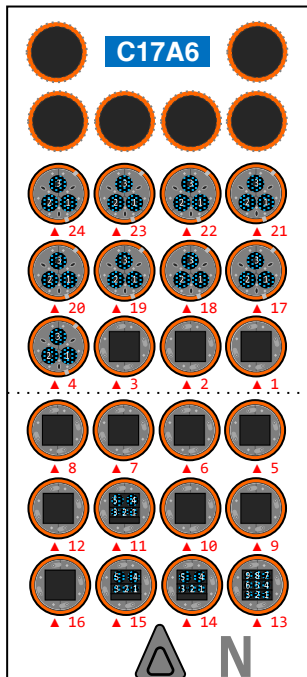
C17A6
C19BA

584
612

C17A6

TO MH #: C17A6-207
DUCT LENGTH: 250' LF

▼ NORTH WALL



NOTE: (N) SYMBOL DENOTES DIRECTION
OF WALL WHERE DUCT IS LOCATED
IN OR OUT.

NOTE: ALL INNERDUCTS ARE MAXCELL MXE64283
(1.05" TENANT CABLE DIA) UNLESS OTHERWISE
SPECIFIED.

DUCTS ARE ADDRESSED AS FOLLOWS:

<WALL> <OUTER 4" DUCT #> . <INNER DUCT #>

Examples:
E4.1, W15.9, etc

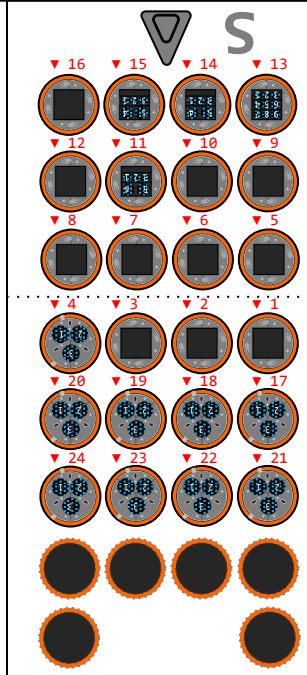
1.25" SUB DUCTS:
N24.1, N24.2 FOR TWDX IP
N24.3, N23.3 FOR CITY OF SOMERVILLE
N14.1, N14.3 FOR <redacted>
N14.2 FOR <redacted>
N11.1 FOR <redacted>
N11.2 FOR <redacted>
N11.3 FOR TWDX INFRA. TEST PULL

FOR DUCT OCCUPANCY CARDS
SEE SHEET 02 OF 02

⚠ FIELD RESTRICTION
NO SPLICE CASES
No network jointing or splice
cases are permitted in this
tunnel.

⊕ GND
Earth Grounding Electrode

612
684



TO MH #: C19BA-205
DUCT LENGTH: 222' LF

▲ SOUTH WALL

CABLE TUNNEL SIZE

18' X 3' X 7' (L x W x H)

Underground Vault Mfr.:

SHEA CONCRETE PRODUCTS, INC. OF ROCHESTER, MASS.
TWDX INFRASTRUCTURE, LLC. OF BOSTON, MASS.
MANUFACTURED 10/1/2024
INSTALLED 11/15/2024

1.25" SUB DUCTS:
S24.1, S24.2 FOR TWDX IP
S24.3, S23.3 FOR CITY OF SOMERVILLE
S14.1, S14.3 FOR <redacted>
S14.2 FOR <redacted>
S11.1 FOR <redacted>
S11.2 FOR <redacted>
S11.3 FOR TWDX INFRA. TEST PULL



Know what's below.
Call before you dig.

NOTICE TO UTILITY LOCATORS:
All TOWARDEX owned underground
facilities, including ducts and cable vaults
shall be delineated and marked on surface
with identifying abbreviation of "TWDX"