

ODOT REFERENCES ARE FROM THE CURRENT ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS. ANY DISCREPANCIES SHALL BE SUBJECT TO THE CITY ENGINEER'S DISCRETION.

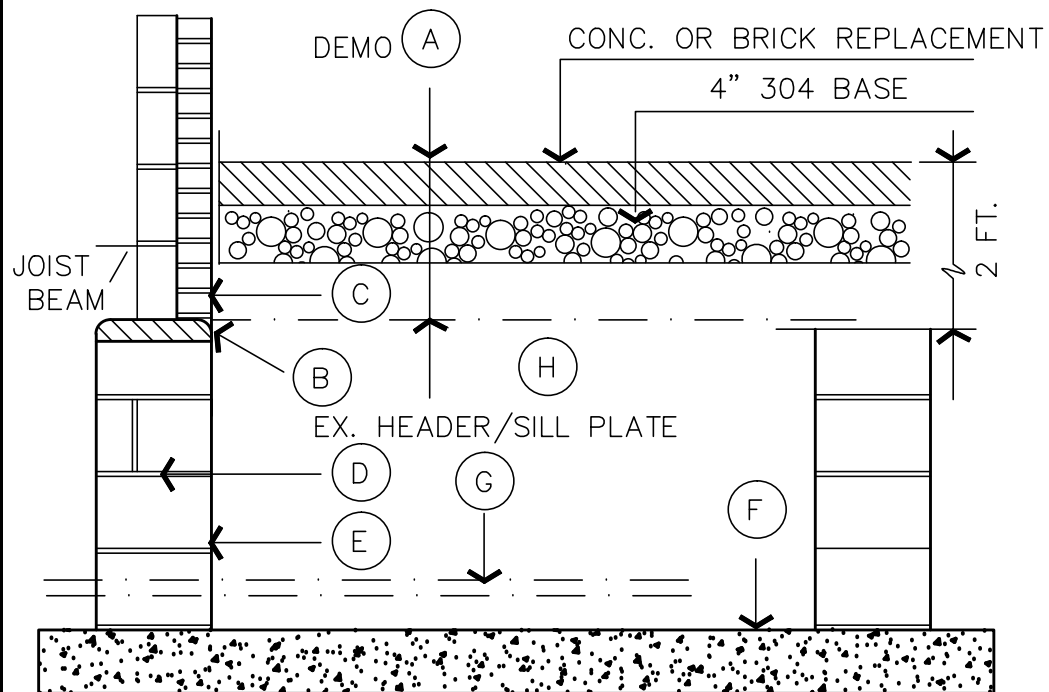
ALL CONCRETE CONSTRUCTION TO CONFORM TO CURRENT CITY OF CANTON SPECIFICATIONS FOR CONSTRUCTION, REPAIR AND REPLACEMENT OF SIDEWALKS, CURBS AND DRIVEWAYS.

THE GENERAL OR CONCRETE CONTRACTOR SHALL VERIFY THROUGH THE OWNER THE EXISTANCE OF UNDERGROUND VAULTS, BASEMENTS OR OTHER OPENINGS UNDER THE PROPOSED WALK REPLACEMENT AREA AND IF THE UNDERGROUND AREA IS TO REMAIN.

FOR PERMITTED PRIVATE PROJECTS: IF THE UNDERGROUND BASEMENTS, VAULTS OR OPENINGS ARE DISCOVERED DURING THE DEMOLITION PROCESS, ALL WORK IS TO BE SUSPENDED UNTIL THE OWNER PROVIDES FOR CORRECTIVE ACTIONS. THE CITY IS NOT RESPONSIBLE FOR ANY COSTS INCURRED FOR REMEDIAL ACTIONS FOR PRIVATE PROJECTS.

THE CITY DEEMS SUCH OPENINGS TO BE AN ENCROACHMENT AND AS SUCH REQUIRES THE OWNER TO ENTER INTO A LICENSE OR AGREEMENT FOR ITS CONTINUED USE.

NO WALK IS TO BE CONSTRUCTED UNTIL THE CITY ENGINEER IS NOTIFIED OF THE ENCROACHMENT AND REMEDIAL ACTIONS ARE APPROVED CONFORMING TO THESE STANDARDS.



UPON DISCOVERY OF BASEMENTS, VAULTS, PARTIALLY ABANDONED STRUCTURES OR OTHER VOIDS, THE GENERAL OR CONTRACTOR SHALL VERIFY THROUGH THE OWNER, IF UTILITY SERVICES ENTER THE BUILDING IN THE VICINITY AND VISUALLY INSPECT THE ADJOINING WALL TO SEE IF PREVIOUS ABANDONEMENT WORK HAD BEEN PERFORMED (SUCH AS WINDOW WELL CLOSURE, STAIRWELL OR ELEVATOR SHAFT CLOSURE). IF THE WALL IS SECURE, PROCEED WITH ABANDONEMENT UNDER CMS ODOT 202 [202.02 & 202.06]. MODIFICATIONS TO ODOT 202 ARE AS FOLLOWS:

THE CONTRACTOR SHALL PROBE VOIDS OR PARTIALLY ABANDONED STRUCTURES TO DETERMINE THEIR EXTENTS AND IF UNSUITABLE MATERIAL UNDERLIES THE SURFACE. REMOVE ALL UNSUITABLE MATERIAL AS DIRECTED BY THE ENGINEER. FILL VOIDS WITH ODOT 703.11 TYPE I OR III STRUCTURAL BACKFILL. NO FOUNDRY SAND OR SLAG PERMITTED. COMPACT IN 8" LIFTS BY MECHANICAL MEANS. BUCKET COMPACTION MUST BE SUPPLEMENTED W/ VIBRATION OR OTHER TAMPING EQUIPMENT AS DIRECTED.

- (A) DEMOLITION – REMOVE CONCRETE WALK, VAULT/BASEMENT ROOF, SUPPORT BEAMS AND REINFORCING TO FACE OF BUILDING. FROM BASEMENT/VAULT REMOVE ALL WOOD, ABANDONED ELECTRICAL CONDUIT AND FIXTURES, ABANDONED UTILITY LINES AND DEMOLITION DEBRIS LARGER THAN 8". DEMO SIDE WALLS TO A LEVEL 2 FEET BELOW FINISH GRADE. RUBBILIZED CONC. MAY BE USED FOR FILL IN BOTTOM 1/4 OF VOID. PROTECT ALL UTILITY LINES AND MAINS THAT ARE TO REMAIN IN SERVICE.
- (B) INSPECT EXISTING OPENING HEADER AND / OR SILL PLATE FOR SUFFICIENCY. REPAIR/REINFORCE OR REPLACE AS NECESSARY TO SUPPORT THE STRUCTURE ABOVE.
- (C) THE CONTRACTOR SHALL FILL WITH MASONRY AND/OR GROUT ALL ANULAR SPACES AND OPENINGS BETWEEN THE HEADER/SILL PLATE AND BASEMENT CEILING TO PREVENT SOIL AND CONCRETE MIGRATION.
- (D) FILL OPENING WITH 8" OR 12" CMU (VERIFY WALL THICKNESS) W/TRUSS TYPE HORIZONTAL REINFORCING 16" OR 24" O.C. VERTICALLY. GROUT WALL SOLID. CONNECT WALL TO FLOOR W/ 2 VERTICAL – 22" # 5 BAR AT 16" O.C. GROUT SOLID. BOLSTER WIDE WIDTH OPENINGS AS NEEDED FOR LATERAL SUPPORT.
- (E) FILL ALL CRACKS OR OPENINGS WITH MASONRY AND/OR SOLID GROUT WITH PARTICULAR ATTENTION TO OPENINGS AROUND SERVICE CONDUITS. WATERPROOF ENTIRE WALL AREA WITH NEOPRENE BITUMINOUS BASEMENT WATERSEALING OR EQUAL. DOUBLE WATERPROOF BASE OF WALL UP 36" AND ON FLOOR OUT 12".
- (F) PLUG ALL FLOOR DRAINS AND RUBBILIZE AND/OR PERFORATE FLOOR FOR DRAINAGE AS DIRECTED.
- (G) PRIOR TO COVERING WITH BACKFILL, SUPPORT ALL UTILITY MAINS AND SERVICE CONDUITS. ENCASE SERVICE MAINS AND CONDUITS WITH #57 OR 67 CRUSHED STONE, 1 FOOT UNDER AND OVER..
- (H) BACKFILL BASEMENT/VAULT AREA WITH STRUCTURAL BACKFILL, ODOT 703.11, TYPE 1 OR 3, IN LAYERS NOT TO EXCEED 8" LOOSE DEPTH AND COMPACTED BY APPROVED MECHANICAL MEANS. BUCKET COMPACTION MUST BE SUPPLEMENTED BY VIBRATION OR TAMPING EQUIPMENT AS DIRECTED. NO FOUNDRY SAND OR SLAG BACKFILL IS PERMITTED. RPCC IS PERMITTED IF SOURCE AND GRADATION DOCUMENTATION IS PROVIDED FROM A SOURCE AS APPROVED BY THE ENGINEER. IN LIEU OF GRANULAR BACKFILL, LOW STRENGTH MORTAR BACKFILL, ODOT 613, (A.K.A. CONTROL DENSITY FILL) MAY BE USED.



OFFICE OF THE CITY ENGINEER
CANTON, OHIO

DANIEL J. MOEGLIN, P.E., CITY ENGINEER
2436 30th St. NE 44705 330-489-3381 www.cantonohio.gov/engineering

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REVISIONS

DESCRIPTION	DATE	BY

STANDARD DRAWING NO. 46
BASEMENT/VAULT
ABANDONMENT
CONSTRUCTION DETAILS
SHEET 1 OF 1