

REMOVE EXISTING CASTING.
RESET ON NEW ADJUSTMENT FULLY AND
EVENLY SUPPORTED.

SECURE DOWELS 9" DEEP IN
CLEAN, DRILLED HOLES WITH
2-PART EPOXY

POUR CLASS MS CONCRETE
PAVEMENT RESTORATION.
MATCH EXISTING PAVMENT
THICKNESS AT OUTSIDE OF REPAIR.
POUR THICKENED EDGE TO MINIMUM
OF 9" ALONG THE ADJUSTMENT RING.

GROUT RETENTION DISK

MIN. TYP.

1'-6"

6"

12" (MAX.)

4" BELOW
EXISTING WALL

6"

EXISTING
STRUCTURE

SECTION "B-B"

TOP OF CURB

18" DOWELS IN ABUTTING PAVEMENT -
DRILLED IN CENTER OF PAVEMENT ON 12"
CENTERS. DOWEL SIZE BASED ON
PAVEMENT THICKNESS:
LESS THAN 7" THICK - 3/4" DIA.
LESS THAN 9" THICK - 1" DIA.
9" AND OVER - 1 1/4" DIA.

REMOVE EXISTING CASTING ADJUSTMENT AND
REPLACE WITH A POURED CONCRETE COLLAR
OR CONCRETE GRADE RING, AS DIRECTED.
ALL WALL THICKNESS TO BE A MINIMUM OF 6".

ALL STRUCTURES CONSTRUCTED OF BRICK
SHALL BE PARGED IN ITS ENTIRETY TO A
MINIMUM OF 1/4" THICKNESS (SEE MANUFACTURERS
REQUIREMENTS) AND SHALL EXTEND 3" ONTO
NEW CONCRETE GRADE RING OR POURED
CONCRETE ADJUSTMENT.

REMOVE LOOSE MORTAR AND REGROUT ANY
PIPE CONNECTIONS INSIDE STRUCTURE.

* WATERPLUG ALL COLD JOINTS
BETWEEN REMAINING EXISTING
STRUCTURE AND NEW POURED
CONCRETE COLLAR.

ORDINARY BACKFILL W/ 3" TOPSOIL
COVER BEHIND CURBLINE

INSTALL 5/8" HOOK BOLTS ON 30" CENTERS
ALONG LONGITUDINAL FACE OF BOX-OUT
(IF DIRECTED BY ENGINEER).

12" (MAX.)

4" BELOW
EXISTING WALL

6"

EXISTING
STRUCTURE

SECTION "A-A"

NOTES

- 1.) **CASTINGS:** SHALL BE REMOVED FROM THE STRUCTURE AND THOROUGHLY CLEANED OF CONCRETE / FOREIGN MATERIAL. CASTINGS ARE TO BE RESET ON NEW ADJUSTMENT WITH THEIR BASE FULLY AND EVENLY SUPPORTED BY THE ADJUSTMENT. DAMAGED CASTINGS WILL BE REPLACED AT THE DIRECTION OF ENGINEER UNDER MISC. METAL. CASTINGS DAMAGED BY THE CONTRACTOR WILL BE REPLACED AT NO ADDITIONAL COST TO THE CITY.
- 2.) **EXISTING ADJUSTMENT:** EXISTING DAMAGED BRICK OR CONCRETE SHALL BE REMOVED TO THE SOLID PORTION OF THE STRUCTURE. ALL WALLS ARE TO BE REMOVED TO THE SAME LEVEL AS DIRECTED BY THE FIELD REPRESENTATIVE.
- 3.) **NEW ADJUSTMENT:** USING THE SALVAGED CASTING, RECONSTRUCT THE STRUCTURE TO THE NEW GRADE, CONFORMING AS NEARLY AS PRACTICABLE TO THE EXISTING DIMENSION USING A POURED "MS" CONCRETE COLLAR OR PRE CAST CONCRETE GRADE RINGS.
- 4.) **PAVEMENT REPAIR LIMITS:** WILL BE MARKED BY THE ENGINEER.
- 5.) **DOWELS:** 18" LONG, EPOXY COATED DOWELS ARE REQUIRED FOR USE ON 12" CENTERS ALONG TRANSVERSE FACES OF BOX-OUTS. DOWEL DIAMETER WILL BE DEPENDENT ON THE THICKNESS OF ABUTTING PAVEMENT.
- 6.) **HOOK BOLTS:** 5/8" HOOK BOLTS, OR CITY APPROVED REPLACEMENT PER CITY DETAIL, ARE TO BE PLACED ON 30" CENTERS ALONG THE LONGITUDINAL FACE OF BOX-OUT IN CENTER OF ABUTTING CONCRETE. IF THEIR INSTALLATION IS DIRECTED BY THE ENGINEER.
- 7.) **CONCRETE:** MS, AIR-ENTRAINED CONCRETE (6% +/- 2%) SHALL BE POURED FROM THE BOTTOM OF THE ABUTTING PAVEMENT TO LEVEL AS NOTED IN THE DETAIL

LOCATION OF GRATE ELEVATION,
STATION & OFFSET
OUTSIDE OF CONCRETE
BASIN

TRANSITION NORMAL CURB SECTION
WITHIN BLOCK-OUT TO MEET COM-
PLETELY FLUSH WITH THE CURB
CASTING, AS NECESSARY.

"A"

"B"

"B"

"B"

** 12"

12"

9"

9"

9"

9"

30"

"A"

"B"

"B"

DOWEL(S)
(TYP.)

HOOK BOLTS (TYP.)
(IF DIRECTED)

JOINT SEAL EDGES OF PAVEMENT REPAIR

PLAN OF CATCH BASIN
AND PAVEMENT JOINTS

** DOWEL LOCATION FOR
CURB AND GUTTER

2	1/18/19	MAC	General Revisions (Re-issue)
1	8/12	DAH	General Revisions (Re-issue)
REV No.	DATE	BY	DESCRIPTION

CITY OF WESTLAKE, OHIO
DEPARTMENT OF ENGINEERING

CATCH BASIN ADJUSTMENT

SCALE:	AS NOTED	17
DATE:	DRWN BY:	