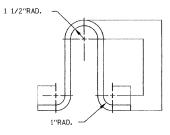


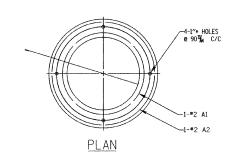
SECTION PRECAST TOP SLAB DETAIL SCALE: 3/4" = 1'-0'

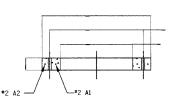
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LIFT ANCHOR DETAIL

SCALE: 3" = 1'-0" MATERIAL: 5/8" DIA. × 2'-3"A-36 STEEL ROD GALVANIZED AFTER FABRICATION





SECTION PRECAST ADJUSTMENT RING DETAIL SCALE: 1" = 1'-0"

## NOTE:

RE-BAR BENDING DETAIL

R

9" THICK PRECAST CONCRETE RINGS WITH CAST IN PLACE RUNGS MAY BE USED IN PLACE OF CAST IN PLACE CONCRETE WHEN EXTENDING THE HEIGHT OF THE MANHOLE BARREL, ALL EXTENSION SHALL BE IN ONE PIECE AND IN INCREMENTS OF 12".

ALL JOINTS SHALL BE CLEANED, SQUARED AND GROUTED IN A MANNER TO PRECLUDE POSSIBILITY OF LEAKS AT JOINT.

THE PRECAST TOP SLAB SHALL BE REMOVED AND REPLACED AS REQUIRED.

ALL ELEMENTS OF THE MANHOLE DISTURBED OR DAMAGED DURING ALTERATION SHALL BE CORRECTED OR REPLACED TO MEET THE STANDARD HEREIN SHOWN AND SPECIFIED.

ALL CONCRETE SHALL BE CLASS "R".

MARK SIZE LENGTH TYPE A B

ALL GROUT SHALL BE 1 PART CEMENT TO 3 PARTS SAND WITH MINIMUM WATER TO ACHIEVE A STIFF PLASTIC CONSISTANCY WITH ZERO SLUMP.

ALL WORKMANSHIP AND MATERIALS NOT SPECIFIED SHALL BE AS PER STANDARD PREPRINTED MWROGC SPECIFICATIONS TITLED:
GENERAL SPECIFICATIONS - CONSTRUCTION CONTRACTS
GENERAL SPECIFICATIONS - SEWERS
GENERAL SPECIFICATIONS - CONCRETE

NOT TO SCALE

## PROCEDURE:

- A) TO RAISE ELEVATION O" TO 8" MAX., ADD 4" THICK ADJUSTMENT RINGS AS DETAILED. INCREMENTS OF LESS THAN 4" SHALL BE OBTAINED BY HAND PACKING A DRY CEMENT GROUT OVER 100% OF THE BEARING AREA.
- B) TO RAISE ELEVATION OVER 8" AND LESS THAN 12", REMOVE THE
  4" ADJUSTMENT RING AND EXTEND THE 9" THICK MANHOLE BARREL
  12" WITH CAST IN PLACE CONCRETE REINFORCED AS DETAILED
  AND WITH LADDER RUNG AS DETAILED. TOP OF EXISTING CONCRETE
  TO BE CLEAMED AND ROUGHENED AND NEW CONCRETE PLACED IN A
  MANNER TO INSURE BONDING AND NO LEXAGE. FOR INCREMENTS
  BETWEEN 8" AND 12" PLACE GROUT FILLER AS IN (A) ABOVE.
- C) TO RAISE ELEVATION 12" AND ABOVE, ADD TO 9" THICK MANHOLE BARREL ONLY IN INCREMENTS OF 12" WITH RUNGS AT 12" O.C. AS DESCRIBED IN (B). FOR INCREMENTS BETWEEN 12" ADD OR REMOVE 4" ADJUSTMENT RINGS AND GROUT FILLER AS DESCRIBED IN (A) AND (B).
- D) TO LOWER ELEVATION O" TO 4", REMOVE 4" THICK ADJUSTMENT RING AND FILL INCREMENTS OF O" TO 4" WITH GROUT AS DESCRIBED IN (A).
- E) TO LOWER ELEVATION MORE THAN 4", REMOVE 9" THICK MANHOLE BARREL ONLY IN INCREMENTS OF 12" AND ADD OR REMOVE 4" THICK ADJUSTMENT RINGS AND GROUT AS REQUIRED AND AS DESCRIBED IN (A) AND (B).

FILE NAME =	USER NAME = #USER#	DESIGNED	-	CEC	REVISED	-
\$FILEL\$		DRAWN	-,`	NFT	REVISED	-
	PLOT SCALÈ = ¢SCALE¢	CHECKED	-	DWB	REVISED	-
	PLOT DATE = \$DATE\$	DATE	-	04/09/2010	REVISED	-

STANDARD MANHOLE BARREL

SCALE: 3/4" = 1'-0"

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

SHERIDAN ROAD / FOREST AVENUE		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MWRDGC STANDARD NO. 8–121	2865	08-00250-02-PV	соок	79	56
WINNING STANDARD NO. 0-121			CONTRACT	NO. 6	3417
SHEET NO. 2 OF 2 SHEETS STA. TO STA	FED. ROAD I	DIST. NO.   ILLINOIS FED. AI	D PROJECT		