

PLAN

- CONCRETE

SECTION

MANHOLE CONCRETE COLLAR DETAIL

PROVIDE EXPANSION JOINT (TYPICAL)

- 3 - #4's CONTINUOUS

CONCRETE AROUND COVER TO BE A TRUE 6' CIRCLE

TOP OF MANHOLE & SURFACE -OF CONCRETE TO MATCH FINISHED STREET GRADE

DETAIL 3 - NOTES:

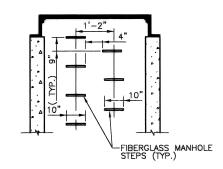
 CONSTRUCT THE FINAL TWO FEET OF THE MANHOLE AND PLACE CONCRETE WITHIN BLOCKOUT AFTER THE STREET PAVEMENT HAS BEEN INSTALLED.

OR SQUARE

ASPHALT SURFACE

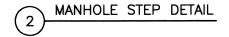
DETAIL 1 - NOTES:

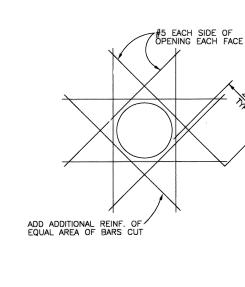
- PROVIDE RAM-NEK OR APPROVED EQUAL BETWEEN PRECAST SEGMENTS OF THE MANHOLE.
- FOR MANHOLES DEEPER THAN 20 FEET, SAFETY CLIMBING RAIL MUST BE PROVIDED (SAF-T-CLIMB OR APPROVED EQUAL).
- 3. FOR PAVEMENT REPAIR, SEE COH STANDARD DETAILS 02902-01 & 02902-02.
- 4. PROVIDE AN APPROVED PETROLATUM BASED TAPE ENCAPSULATING ALL BOLTS IN ACCESS MANHOLE.



DETAIL 2 - NOTES:

- PROVIDE MODEL PS1-PF STEPS AS MANUFACTURED BY M.A. INDUSTRIES INC. OR APPROVED EQUAL.
- 2. BOTTOM MANHOLE STEP SHALL BE NO HIGHER THAN 12" ABOVE MANHOLE INVERT.





SERVICE MANHOLE
REINFORCEMENT DETAIL

CITY OF HOUSTON HOUSTON PUBLIC WORKS

STANDARD LDWL ACCESS MANHOLE DETAILS

(NOT TO SCALE)

APPROVED BY:

ACTING CITY ENGINEER

DIRECTOR OF
HOUSTON PUBLIC WORKS

EFF DATE: MAR-20-2018

DWG NO: 02082-10