CHEMICAL PRESSURE GROUTING SYSTEM NOTES:

SEE SPECIAL CONDITIONS FOR DETAILED CONSTRUCTION SPECS.

- 1. MANHOLE SHALL BE THOROUGHLY CLEANED TO MEET MANUFACTURER'S SPECIFICATIONS PRIOR TO REHABILITATION.
- 2. ACTIVE INFLOW SHALL BE ELIMINATED PRIOR TO INJECTING GROUT.
- 3. URETHANE GEL GROUT SHALL BE UTILIZED FOR THE ENTIRE MANHOLE. ALL GROUTING OPERATIONS SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- 4. ON BRICK MANHOLES OR SEVERELY DETERIORATED CONCRETE MANHOLES PRIOR TO PRESSURE GROUTING, THE ENTIRE INTERIOR SURFACE OF THE MANHOLE SHALL BE COATED WITH A LAYER OF DRY POLYMER MORTAR. NO DRILLING OR PRESSURE GROUTING SHALL BE DONE UNTIL THE DRY POLYMER MORTAR HAS DRIED 24 HOURS.

ANGLES FROM EACH OTHER AT THE SAME PLANE OF ELEVATION, ADDITIONAL ROWS SHALL BE SEPARATED BY 18' AND STAGGERED WITH THE HOLES ABOVE AND BELOW. INJECTION HOLES SHALL BE PATCHED WITH A

SURFACE GROUT AS NECESSARY. WATERPROOF QUICK SETTING MORTAR. FULL CIRCUMFERENCE OF FRAME TO SEAL (8 INJECTION POINTS DRILL AND GROUT PIPE SEAL: MINIMUM) TYPICAL. DRILL THREE (3) HOLES FOR COATED PIPE SEAL: PRESSURE GROUTING OF PIPE SEAL. DRILL SHALL BE ANGLED DOWNWARD SO DRILL AND GROUT PIPE SEAL: THAT THE HOLES ARE NEAR THE TOP AND SURFACE GROUT: SIDES OF THE PIPE ON THE OUTSIDE OF 1) BONDING AGENT 18" THE MH. THE WALL/BENCH JOINT SHALL OCTOCRETE OR BE GROUTED IN CONJUNCTION WITH G ROW ONE APPROVED EQUAL-PIPE SEAL GROUTING. DRILL A MIN. OF (TYP.) COATING Ēω EIGHT (8) HOLES AROUND APPLIED THE PERIMETER OF THE G ROW TWO PRIOR TO WALL/BENCH JOINT TO GROUTING 18" ABOVE THE BENCH. IF SPECIFIED INJECTION G ROW THREE ØRILL AND GROUT PIPE POINT ŠEAL: URETHANE GEL SROUT MATERIAL (2 G ROW FOUR G INJECTION POINT G ROW THREE G OF PIPE MANHOLE INTERIOR G ROW TWO (TYP.) MANHOLE BASE 24" G ROW ONE GROUTED AND COATED PIPE SEAL DETAIL NOT TO SCALE CHEMICAL PRESSURE GROUTING BRICK MANHOLE

/E1/PARTS/STD/DGN_STDS/412-CHEM-PRES-GRT.DGN

05/25/2012

WALL/CORBEL CHEMICAL PRESSURE GROUTING DETAIL

NOT TO SCALE

CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT

DRAWN BY: R.M.O. CHECKED BY: HAS DATE: MARCH 2022

NOT TO SCALE

STANDARD NO. 412