

**NOTES:**

1. SADDLE MANHOLE MAY ONLY BE USED WHEN PLACING A NEW MANHOLE OVER AN EXISTING MAIN. SIZE, LOCATION, AND ANGLE MUST BE AS REQUIRED BY PLANS.
2. OPENINGS IN PRECAST UNITS ARE TO BE 4" MINIMUM TO 8" MAXIMUM LARGER THAN THE OUTSIDE DIAMETER OF THE EXISTING AND PROPOSED PIPES.
3. CONSTRUCT BENCH AND INVERT TO ALLOW SMOOTH TRANSITION OF FLOW.

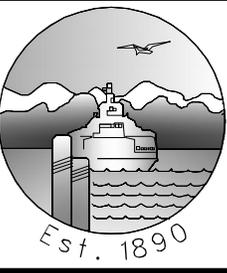
REMOVE TOP OF PIPE INSIDE MH TO CHANNEL

CONSTRUCT CHANNEL AND SHELF TO THE CROWN OF THE PIPE

REINFORCING STEEL (FOR PRECAST BASE WITH INTEGRAL RISER) 0.15 SQ IN/FT IN EACH DIRECTION FOR 48"

SEPARATE CAST IN PLACE BASE OR SEPARATE PRECAST BASE

REINFORCING STEEL (FOR SEPARATE BASE ONLY) 0.23 SQ IN/FT IN EACH DIRECTION FOR 48" DIA



**CITY OF EDMONDS**  
PUBLIC WORKS  
DEPARTMENT

**48" SADDLE MH  
FOR 24" AND SMALLER  
PIPE**

APPROVED BY: **R. ENGLISH**

REVISION DATE  
**JANUARY 2018**

STANDARD  
DETAIL  
**GU-422**