



## OPERATOR MANHOLE DETAILS FOR MAINLINE VALVES

(FOR WATER LINES 30-INCHES AND LARGER IN DIAMETER)

### NOTES:

1. PROVIDE RAM-NEK OR APPROVED EQUAL BETWEEN PRECAST SEGMENTS OF THE MANHOLE. SEE SPECIFICATION SECTION 02082.
2. SEE DRAWINGS FOR PAVEMENT REPAIR DETAILS.
3. SHOULD CONTRACTOR DESIRE TO USE VALVES IN A THROTTLED POSITION FOR FILLING OF LINE SEGMENTS, HE IS CAUTIONED TO OBSERVE RECOMMENDATIONS OF VALVE MANUFACTURER IN ORDER TO PRECLUDE DAMAGE ASSOCIATED WITH THIS MODE OF OPERATION.
4. FOR MANHOLES DEEPER THAN 20 FEET, INCREASE SIZE OF ACCESS MANHOLES TO 72-INCH OR 84-INCH DIAMETER & PROVIDE SAFETY CLIMBING RAIL (SAF-T-CLIMB) OR APPROVED EQUAL. SEE SPECIFICATION SECTION 02082.
5. FIELD COAT ALL FLANGE BOLTS, FLANGE COUPLING, FLANGE COUPLING ADAPTER AND THRUST TIE ASSEMBLIES AFTER ASSEMBLY TO 35 MDFT W/ 2 COATS OF COAL TAR EPOXY.
6. 2" OPERATING NUT ON LARGE DIAMETER BUTTERFLY VALVES SHALL TURN CLOCKWISE TO OPEN VALVE.
7. PLACE MANHOLE ON NEW COMPACTED (95% SPD) BOTTOM.



### VALVE AND SERVICE MANHOLE DETAILS

APPROVED BY: *Strandagini*  
DESIGN MANAGER

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