



MH Frame And Cover  
Neenah R-1642, Or Equal  
For Watertight Installations  
Neenah R-1916-F, Or Equal  
"WATER" Cast In Cover

Top Of Structure  
1'-0" Higher Than  
Adjacent Ground

Distance Between NPT Female Ends Shall  
Be As Needed For Portable Meter And Within  
Easy Access From Outside The Manhole

Flat Slab Top

MH Riser  
ASTM C478  
O-Ring Gaskets  
ASTM C443

1" Copper Tubing w/ Compression  
Valve, Female End And Plug.  
All Fittings Shall Be Compression

1" NPT x Compression Brass  
Corporation Stop, Direct Tap  
To Water Main

Flexible Watertight Joints  
By Kor-N-Seal Or Equal

Align Valve For  
Operation Through  
Manhole Cover.

Concrete Blocking As Required

Special Backfill  
(Special Backfill Shall Conform  
To INDOT 211.02b)

1'-0" Min. Cast-In  
Place Concrete Base  
w/ #4 @ 12" E.W.

Monitoring Manholes Shall  
Be Installed At  
Each Stream Crossing

NOTES

1. Manhole Steps Shall Be M.A. Industries Model PS-1 Or Equal.
2. 1" Copper Tubing Shall Be Type K Firmly Anchored To The Manhole Walls And Ceiling.
3. Meter Yoke Shall Be Ford Y502 Assembly w/Angle Valves
4. Angle Valves Shall Be Ford KV43-342W, Tephlon Coated
5. 12" And Smaller WaterMains Shall Have Gate Valves, Larger Than 12" Shall Have Butterfly Valves.

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| CITY OF CARMEL<br>STANDARD DETAILS | TITLE:<br>MONITORING<br>MANHOLE               |
| Date: March 2001                   | Drawn By:<br>Jones & Henry<br>Engineers, Inc. |
| Scale: Not To Scale                | Drawing Name: CW6                             |