TOWN OF WHITESTOWN
BOONE COUNTY, INDIANA

STANDARD DETAILS

ADOPTED ______ AUGUST 14, 2012
UPDATED ______ MAY 31, 2013

TOWN OF WHITESTOWN - STAFF
TOWN MANAGER - JASON LAWSON
UTILITY MANAGER - AMANDA ANDREWS
TOWN CLERK - DENNIS ANDERSON
POLICE CHIEF - -
FIRE CHIEF - -

TOWN OF WHITESTOWN - COUNCIL
PRESIDENT - DAWN SIMPSON
MEMBER - ERIC MILLER
MEMBER - JULIE WHITMAN
MEMBER - KEVIN RUSSELL
MEMBER - SUSAN AUSTIN

TOWN HALL - (317) 759-6537
UTILITY OFFICE - (317) 759-8558

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1. All fittings to be restrained or lock joint. Throat bushings not acceptable.
2. Location name at water main gate valve with terminal connection.
3. All new reinforced water main shall be constructed in accordance with AWWA C600 and hydrostatic tested in accordance with AWWA C600 prior to being placed in service.
4. Valves shall be provided at minimum 100' intervals along water mains.
5. All water mains providing fire service shall be Min. 4" diameter.
6. In underground areas, water main manager posts may be placed at intervals of 100' as required for line of sight. Handle in bundles or secure.

WATER METER SETTINGS

- **Example**: 3/4" Comp.
- **Example**: 1" Comp.
- **Example**: 1 1/2"-2" Comp.
- **Example**: 3/4" PVC SCH 40

**NOTE**: All meters larger than 2" will be supplied by the Town of Whitestown

**DUAL METER INSTALLATIONS**: Whenever possible. Any request from the Town of Whitestown utility manager.

**DISINFECTED IN ACCORDANCE WITH AWWA 651 STANDARD DETAILS FOR WATER MAINS**
1. CONTRACTOR SHALL INSTALL RJDI FITTINGS FOR ALL

2. ALL WATER MAIN APPURTENANCES WITHIN RJDI LIMITS

3. ALL MATERIALS AND CONSTRUCTION SHALL MEET

4. ALL FITTINGS SUCH AS BENDS AND TEES SHALL BE

5. VAULT SIZE TO PROVIDE 12" MINIMUM CLEARANCE FROM

6. PIT/VAULT (NON-TRAFFIC AREA)

NOTES:

1. CONTRACTOR SHALL INSTALL RJDI FITTINGS FOR ALL

2. ALL METER ASSEMBLIES SHALL BE SPECIFIED BY THE TOWN OF WHITESTOWN

3. ALL WATER MAIN APPURTENANCES WITHIN RJDI LIMITS MUST BE RESTRAINED AT EACH JOINT.

4. ALL METER ASSEMBLIES SHALL BE SPECIFIED BY THE TOWN OF WHITESTOWN

5. VAULT SIZE TO PROVIDE 12" MINIMUM CLEARANCE FROM

6. PIT/VAULT (NON-TRAFFIC AREA)

NOTES:
1. Existing pavement is to be saw cut to expose existing pavement厚度.
2. Trench spoil is to be removed.
3. New surface to be sloped at the same rate as the existing surface.
4. Granular fill shall be provided within 6' of paved surface.

**Creek Crossing Detail**

- Mound excavated material on initial backfill to allow for 3' of flowable fill backfill. Initial backfill with excavated material (no loose or settling larger than 3" diameter).
- Gravel fill shall be provided for PVC pipe to 10" above pipe crown. Native material may be used for D.I. pipe.
- Initial backfill shall be bedded, haunched and initial backfill shall be class G (clean sand).

**Trench Detail for D.I. and PVC C900 Pipe 12" Dia. or Less in Paved Areas**

- Replace existing mains and provide adequate crossing control measures.
- Install new fire detector (minimum 1/2" in size).
- Backfill with excavated material (no loose or settling larger than 3" diameter).
- Initial backfill to 10" above fire main crown.
- Haunching hand tampered to spring line.
- Bedding - 4" min. below pipe.

**Trench Detail for D.I. or PVC C900 Pipe 12" Dia. or Less in Unpaved Areas**

- Replace existing mains and provide adequate crossing control measures.
- Install new fire detector (minimum 1/2" in size).
- Backfill with excavated material (no loose or settling larger than 3" diameter).
- Initial backfill to 10" above fire main crown.
- Haunching hand tampered to spring line.
- Bedding - 4" min. below pipe.

**Standard Details for Water Mains**

- Minimum Trenching Requirements for Water and Sanitary or Storm Sewer Pipe
- Minimum 4" bedding below pipe.
- Bedding, haunching and initial backfill shall be class G (clean sand).
- Initial backfill shall be bedded, haunched and initial backfill shall be class G (clean sand).

**Fire Service Connection Detail**

- To fire hydrant system.
- Reduced pressure zone backflow device (if required).
- Service line is required by springer company calcs.
- P.I.V. may be wall, broadcast, or not to exceed pipe size. Location shall be approved by Whitestown Fire Dept.
- Alternate fire hydrant location shall be approved by Whitestown Fire Dept.

**Sanitary or Storm Sewer Main**

- Minimum Trenching Requirements for Water and Sanitary or Storm Sewer Pipe
- Minimum 4" bedding below pipe.
- Bedding, haunching and initial backfill shall be class G (clean sand).

**Minimum Crossing & Separation Requirements for Water and Sanitary or Storm Sewer Pipe**

- Minimum 4" bedding below pipe.
- Bedding, haunching and initial backfill shall be class G (clean sand).

**Minimum Trenching Requirements for Water and Sanitary or Storm Sewer Pipe**

- Minimum 4" bedding below pipe.
- Bedding, haunching and initial backfill shall be class G (clean sand).

**Trench Detail for D.I. or PVC C905 Pipe Larger than 12" Dia. in Paved Areas**

- Replace existing mains and provide adequate crossing control measures.
- Install new fire detector (minimum 1/2" in size).
- Backfill with excavated material (no loose or settling larger than 3" diameter).
- Initial backfill to 10" above fire main crown.
- Haunching hand tampered to spring line.
- Bedding - 4" min. below pipe.

**Trench Detail for D.I. or PVC C905 Pipe Larger than 12" Dia. in Unpaved Areas**

- Replace existing mains and provide adequate crossing control measures.
- Install new fire detector (minimum 1/2" in size).
- Backfill with excavated material (no loose or settling larger than 3" diameter).
- Initial backfill to 10" above fire main crown.
- Haunching hand tampered to spring line.
- Bedding - 4" min. below pipe.
**Type "A" Manhole**

**Standard Precast Manhole**

- **Concrete Bench Wall**
- **Standard Manhole Connection**
- **Curb Stop Assembly Detail**
- **Grinder Pump Forecmain Tap Detail**

**Type "B" Manhole**

**Outside Drop Manhole Connection**

**Type "C" Manhole**

**Shallow Manhole Less Than 5'**

**Table of Steel Casing Sizes**

<table>
<thead>
<tr>
<th>CASING DIAMETER</th>
<th>WALL THICKNESS</th>
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<tbody>
<tr>
<td>3&quot;</td>
<td>0.188&quot;</td>
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<td>4&quot;</td>
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<td>0.438&quot;</td>
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</tr>
<tr>
<td>6&quot;</td>
<td>0.375&quot;</td>
<td>0.438&quot;</td>
<td>0.500&quot;</td>
<td>0.562&quot;</td>
</tr>
</tbody>
</table>

**Notes**

1. **Casing** shall be made of steel pipe, box, and valves material in accordance with standard practice. A minimum of 1500 lbs. per square foot. It shall be compatible with the other materials used in the manhole. The casing shall be suitable for use in the manhole. The casing shall be compatible with the other materials used in the manhole.
2. **Casing** shall be made of steel pipe, box, and valves material in accordance with standard practice. A minimum of 1500 lbs. per square foot. It shall be compatible with the other materials used in the manhole. The casing shall be suitable for use in the manhole. The casing shall be compatible with the other materials used in the manhole.
3. **The manhole shall be designed and constructed to provide a smooth transition from the headwall of the manhole to the manhole connection.**
4. **The manhole shall be designed and constructed to provide a smooth transition from the headwall of the manhole to the manhole connection.**

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**Temporary Oil Field Creek**

- **Temporary Oil Field Creek**
- **Precast Concrete Manhole**
- **Precast Concrete Manhole**
- **Precast Concrete Manhole**

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**Temporary Oil Field Creek**

- **Temporary Oil Field Creek**
- **Precast Concrete Manhole**
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- **Precast Concrete Manhole**
MINIMUM CROSSING & SEPARATION REQUIREMENTS FOR WATER AND SANITARY OR STORM SEWER PIPE

SANITARY SEWER TESTING:
1. All gravity sanitary sewer lines shall be tested as follows (see specifications):
   a. All manholes shall be tested for leakage with a hydrostatic test conducted by a qualified testing authority.
   b. All sanitary main lines shall be tested for leakage with a low-pressure air test.
   c. Television inspection - sewer shall be inspected as follows (see specifications):

SANITARY SEWER SERVICE CONNECTIONS:
1. Force main location wire:
   a. Pipeline connecting the force main to the sanitary line shall be marked with a 6" yellow pipe.(see specifications)

MOUND EXCAVATION MATERIAL:
1. Initial backfill to allow for settlement after trenching:
   a. Initial backfill shall be removed or grade adjusted.

SEWER TRENCH UNPLANNED AREAS:
1. #24 6" DUCTILE IRON used for sewers deeper than 10'.
NOTE: Developer shall complete and submit above table to Town of Whitestown when planning a lift station.