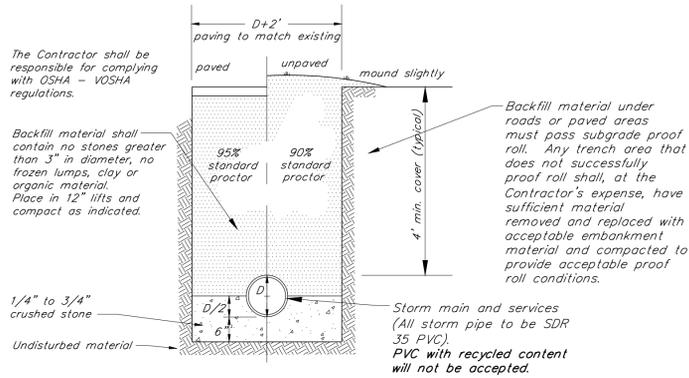


PVC SDR 35 pipe shall not be installed when the temperature drops below 32° F or goes above 100° F unless prior approval is obtained from the Engineer. Extra care is required when handling PVC pipe during cold weather. PVC pipe shall not be stored outside and exposed to prolonged periods of sunlight as pipe discoloration and reduction in pipe impact strength will occur. If PVC pipe is to be stored on site for 1 month or longer it shall be covered with canvas or other opaque material.



Typical Storm Trench Detail

N.T.S.

Storm Mains

The pipe for storm sewer shall be as shown on the plans and detailed below: All pipe shall be laid to the line and grade as shown on the plans.

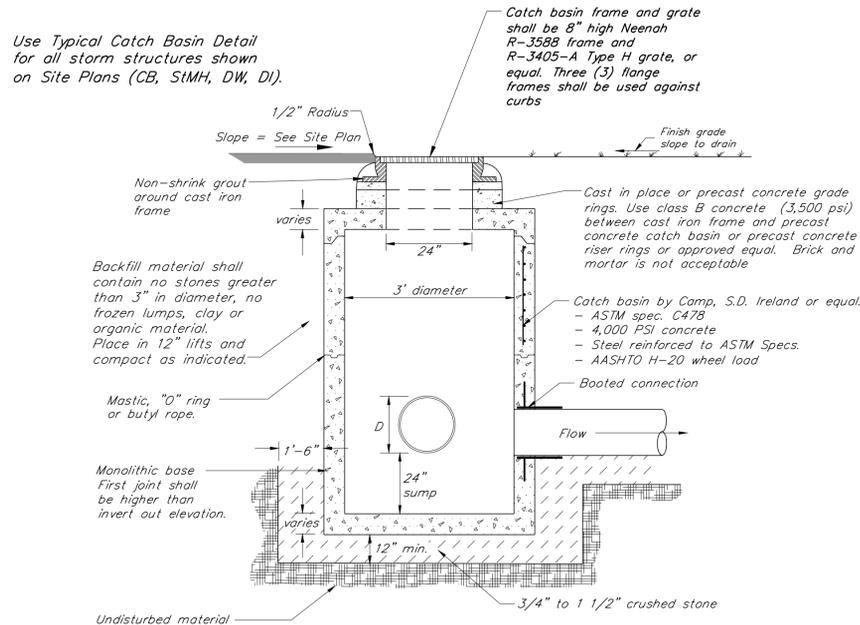
- HDPE - Smooth Walled Corrugated High Density Polyethylene Pipe - Pipe shall be silt tight and conform to AASHTO M294, Type S. (ADS N12 or approved equal)
- PVC SDR 35 - Polyvinyl chloride pipe - Pipe shall conform to ASTM Specification D-3034 or F679, (PVC Sewer Pipe and Fittings, SDR35)

PVC SDR 35 pipe shall not be installed when the temperature drops below 32° F or goes above 100° F unless prior approval is obtained from the Engineer. Extra care is required when handling PVC pipe during cold weather. PVC pipe shall not be stored outside and exposed to prolonged periods of sunlight as pipe discoloration and reduction in pipe impact strength will occur. If PVC pipe is to be stored on site for 1 month or longer it shall be covered with canvas or other opaque material.

Contractor shall be responsible for all dewatering and stormwater by-pass procedures necessary to complete the project. No overnight pumping shall be allowed.

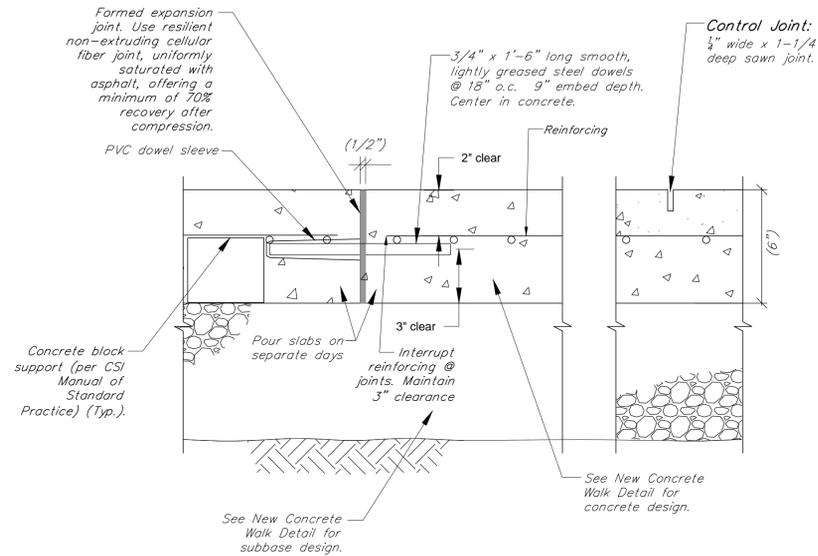
The manhole frames may be set at base course pavement grade at any time. Prior to final course paving the frames set at base course paving grade shall be raised to final course grades using grout or Multi-purpose rubber adjustment risers placed under the frame. Manhole frames set at final grade must leave a 1" reveal against the frame after base course paving. Therefore, manhole frames may be set at final grade elevation prior to base course paving only if the following will occur:

- Final course paving is to occur within 45 days of base course paving.
- Final course paving is to occur before snow plowing.
- Base course pavement around frame must be painted orange if road is open to traffic.



Typical Catch Basin Inlet

N.T.S.



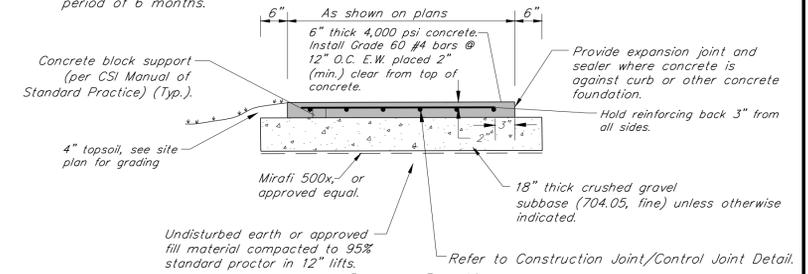
Concrete Construction Joint/Control Joint Detail

N.T.S.

Concrete Slab

- Broom finish concrete with tooled edges
- Expansion joints shall be spaced max. 24' in all directions. See Site Plan for layout.
- Score control joints 1-1/4" depth at intervals equal to width of sidewalk.
- Apply 2 coats of Euclid Everclear VOX cure/seal compound to all concrete surfaces, per the manufacturer's specifications.
- Concrete construction shall conform to section 618.03 of the current VAOT Standard Specifications for Construction

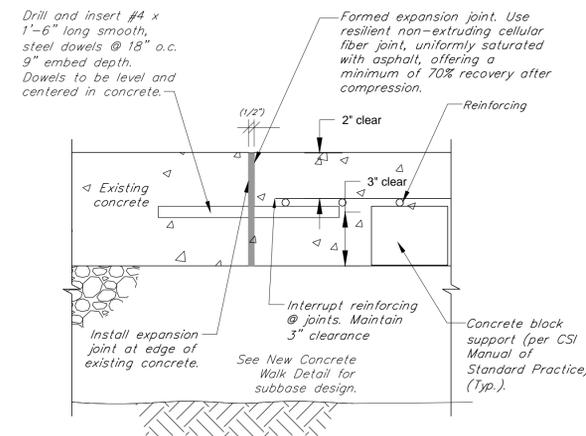
Note: Owner or Contractor is not allowed to place deicing materials on newly poured concrete sidewalk for a period of 6 months.



New Concrete Walk Detail

(For Concrete Walks 7 ft. Wide or Greater)

N.T.S.

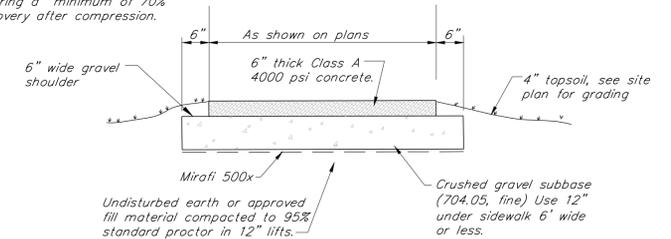


Concrete Slab Joint Detail for Connection to Existing Concrete

N.T.S.

All concrete used in the construction of concrete sidewalk shall be air entrained and made with Portland cement. The concrete shall meet section 501 of the State of Vermont Standard Specification for Class A concrete and have 28 day compressive strength of 4,000 psi.

Joint filler shall be resilient non-extruding cellular fiber joint, uniformly saturated with asphalt, offering a minimum of 70% recovery after compression.



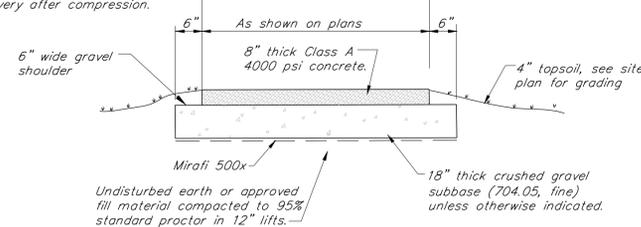
New Concrete Walk Detail

(For Concrete Walks 6ft. Wide or Less)

N.T.S.

All concrete used in the construction of concrete sidewalk shall be air entrained and made with Portland cement. The concrete shall meet section 501 of the State of Vermont Standard Specification for Class A concrete and have 28 day compressive strength of 4,000 psi.

Joint filler shall be resilient non-extruding cellular fiber joint, uniformly saturated with asphalt, offering a minimum of 70% recovery after compression.

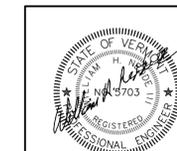


Cross Section New Thickened Concrete Walk Detail

N.T.S.

Concrete Slab

- Broom finish concrete with tooled edges.
- Expansion joints shall be spaced 20 ft. on center unless otherwise indicated on Site Plan.
- Score control joints 1-1/4" depth at intervals equal to width of sidewalk.
- Apply 2 coats of Euclid Everclear VOX cure/seal compound to all concrete surfaces, per the manufacturer's specifications.
- Concrete construction shall conform to section 618.03 of the current VAOT Standard Specifications for Construction



Date revised	Description	Checked	Date
Design	WHW		
Drawn	SLM		
Checked			
Scale	As Noted		
Date	10/21/14		
Project	14201 North Ave. and Haswell Street		

KREBS & LANSING Consulting Engineers, Inc.
164 Main Street, Colchester, Vermont 05446

Burlington, Vermont
CD-2

PERMIT REVIEW ONLY