CONSTRUCTION NOTES

1) Contractor may disturb only one roadway panel of concrete.

2) Existing dowel bars are to be preserved when removing the existing concrete. If the existing bars are damaged and nonfunctional they are to be replaced.

3) Contractor is to cut in MJ 12"X6" tee restrain 6" MJ gate valve to tee the 6" gate valve is to be a resilient seal valve. Water Shut down is to be coordinated with business's affected.

4) Valve stem is to be iron three (3) sections, with an extension rod. The rod is to extend within 12" of final pavement grade, must have centering disk, and welds are to be completely around the rod, no gaps.

5) After installation of pipe, washed sand shall be used to bed the pipe and fittings. The sand shall be 6" above the top of 12" pipe and compacted.

6) Thrust blocking shall be precast to minimize shutdown size shall be 2" X 2" X 6" as approved by the engineer.

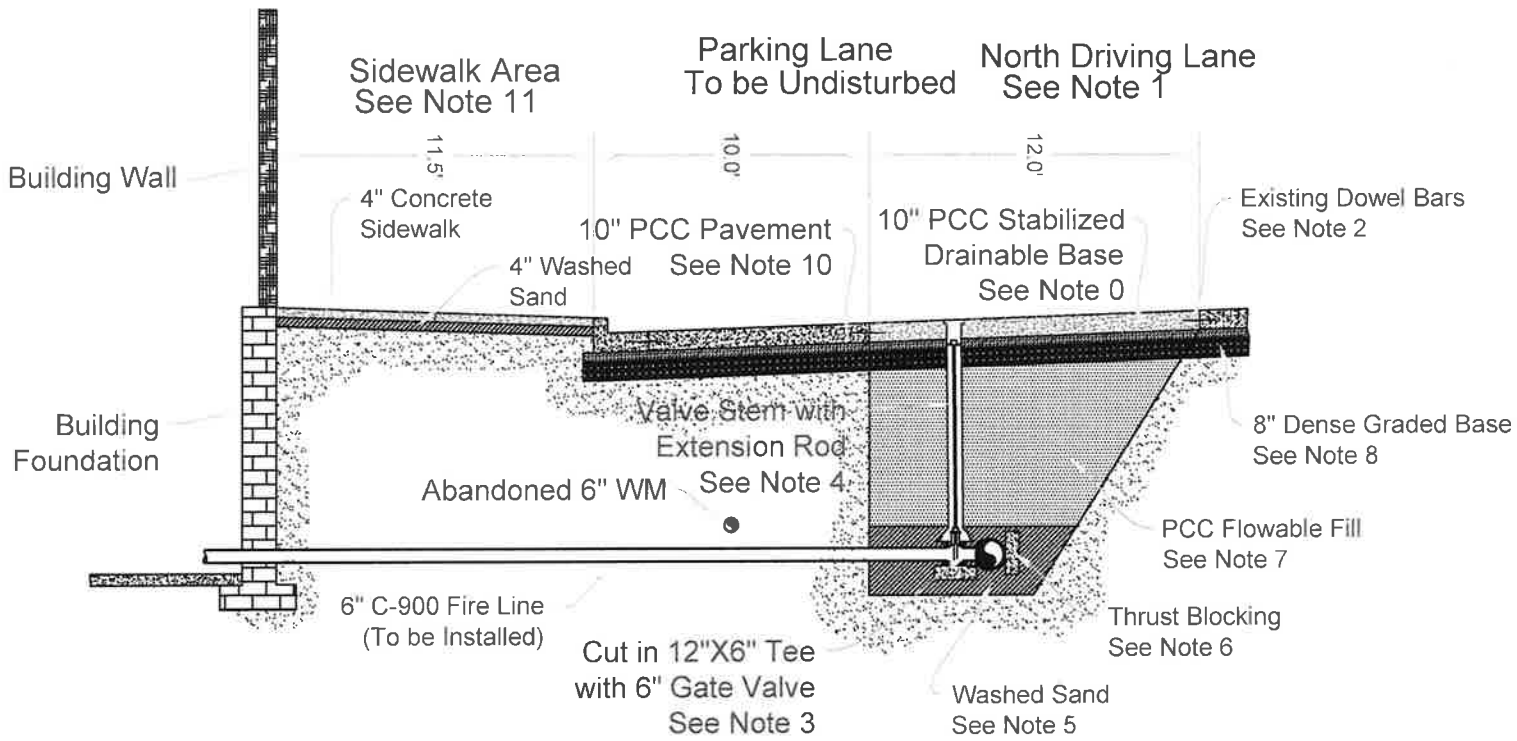
7) PCC flowable fill shall be used as backfill from the washed sand to the dense graded base in place of the existing excavated soils. The flowable fill is to be no more than 400 psi in strength with the mix design approved by the engineer. Setup time is 40 hours.

8) This material may be salvage, any additional material will consist of 50% recycled asphalt/concrete less than 1.5" in diameter with 90 to 100 percent passing the 1" sieve, and 50% Class 5 gravel.

9) This material may be salvage, any additional material will consist entirely of recycled concrete.

10) The 10" PCC Pavement shall be a 7 bag mix, Hi/Early with low ash content, 3 day cure time as traffic will be detoured during installation. Joints shall be sealed with NP1 flexible sealer, or an engineer approved equal.

11) The sidewalk area shall be replaced to city specification as per detail this sheet. Subbase under sidewalk area shall be salvage and reused, compacted to 90% modified or flowable fill as per Note 7.



Scale	Sheet #
NTS	1 of 1
Date	
04/07/2015	
File Name	
Construction Details.dwg	

DISCLAIMER

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1399-B
MAIN STREET CONCRETE PANEL REPAIR

Engineering & Planning Department

CITY OF MANDAN