

FINAL INSPECTION CHECKLIST**Water**

1. Pipe at correct offset.
2. Valves in proper locations with valve markers where necessary.
3. Valves and valve boxes accessible.
4. Valve boxes to grade.
5. Hydrants in correct location with hydrant valve.
6. Hydrants at proper elevation.
7. Hydrants accessible.
8. Water service connections at proper location for each lot and clearly marked with 2 x 4 stake behind meter boxes and painted blue.
9. Flushouts located correctly and painted.
10. Air valves located correctly.
11. All easement areas properly reinstated.
12. Written release from each property owner where easements cross certifying satisfaction with the restoration of the working area.
13. Road crossings patched with hot mix asphalt.
14. Road shoulder reinstated where pipe has been installed in shoulder (shoulder gravel, etc.)
15. Driveways reinstated where applicable.
16. System tested and passed _____ (date).
17. System chlorinated _____ (date).
(Do you have a copy of the test results?)
18. Any changes from approved design documented and shown on as-built drawings.
19. Notes

Sanitary Sewer

1. Pipe at correct offset.
2. Manholes in proper locations.
3. Cleanouts in proper locations.
4. Benching smooth and complete.
5. All necessary stubs in manholes.
6. Smaller pipes crown to crown with larger pipes entering manholes.
7. Manholes finished inside.
8. Steps in manholes aligned properly/spacing/top rung to rim.
9. Correct covers and frames on manholes and cleanouts.
10. Service connections with cleanout and riser at proper locations for each lot and clearly marked with depth to invert on red 2 x 4.
11. Easement areas properly reinstated.
12. Written release from each property owner where easements cross, certifying satisfaction with the restoration of the working area.
13. Road crossings patched with hot mix asphalt.
14. Road shoulder reinstated where pipe installed in existing shoulder (shoulder gravel, etc.).
15. Driveways reinstated where necessary.
16. All lines tested and passed _____ (date).
17. All manholes tested and passed _____ (date).
18. All lines video taped and passed _____ (date).
19. Any change from approved design documented and shown on as-built drawings.
20. Notes

Storm Sewer and Curbs

1. Pipe at correct offset.
 2. Manholes in proper locations.
 3. Cleanouts in proper locations.
 4. Catchbasins in proper locations.
 5. Benching smooth and complete.
 6. All necessary stubs in manholes.
 7. Manholes and catch basins finished inside.
 8. Steps in manholes aligned properly/spacing/top rung distance to rim.
 9. Correct covers and frames on
 - manholes
 - cleanouts
 - catchbasins
 10. Service connections at proper locations GREEN 2 x 4.
 11. Catchbasins clean.
 12. Curb and gutter as per design cross-section (check that water will stay in the gutter).
 13. Curb and gutter constructed to limit of construction as approved on design.
 14. Boulevard behind curb backfilled to top of curb or sidewalk and free of rocks and debris.
 15. No bird baths along gutters.
 16. All easement areas properly reinstated.
 17. Written release from each property owner where easements cross certifying satisfaction with the restoration of the working area.
 18. All lines video taped and passed _____ (date).
 19. Road shoulder reinstated where pipe has been installed in shoulder.
 20. Inlet and outlet structure(s) complete with hinged grate(s) and railings - see spec.
 21. Backfilling and grading around inlet and outlet structures satisfactory - see spec.
 22. Outlet structure(s) complete with adequate energy dissipator(s) - see spec.
 23. Any changes from approved design documented and shown on as-built drawings
-

24. Notes

Roads and Pavement

1. Rights-of-Way cleared and grubbed full width (watch for leaning trees).
2. All waste material removed where applicable.
3. No soft spots particularly around gutters, curb returns, manholes, catchbasins, valves, etc.
4. Road width satisfactory - to spec.
5. All valve boxes, manholes, etc., to grade.
6. All driveways graded where required.
7. No "bird baths".
8. Crown where necessary (test with water).
9. Pavement quality (visual).
10. Asphalt test results received from the consultant.
11. Any changes from approved design documented and shown on as-built drawings.
12. Notes

Sidewalk

1. Sidewalk width in streets according to drawings.
2. Sidewalk width in walkway areas according to drawings.
3. Sidewalk surface finish and edging.
4. Sidewalk longitudinal grade minimum 0.5%.
5. Sidewalk crossfall grade 2%.
6. Sidewalk thickness satisfactory (150 mm) or 100 mm where approved.
7. Sidewalk vertical and horizontal alignment.
8. Pedestrian ramps located correctly.
9. Pedestrian ramp
 - surface finish and edging
 - curb notch
 - thickness at gutter
10. Expansion joints
 - at both ends of lanes and crossings
 - at both ends of curb returns
 - at maximum spacing of 9.0 m
 - material
11. Contraction joints
 - at max. spacing of 1.5 m
 - groove depth 1/2 of depth of concrete section
 - type
12. Sidewalk vehicle barricades provided at the entrance to walkways.
13. Expansion joints around
 - hydro poles
 - light poles
 - hydrants
 - manholes
 - other structures
14. Longitudinal bond break joints between curb and sidewalk.
15. Longitudinal bond break emulsion joints between walls and sidewalk.
16. Any changes from approved design documented and shown on as-built drawings.

17. Notes

Street Lighting

1. Location and positioning in accordance with approved design drawing.
2. Luminaire size and type installed in accordance with approved design and municipal standards.
3. All materials constructed in accordance with municipal standards.
4. Any changes documented and shown on as-built drawings.
5. System tested to confirm it performs the intended function and operations. Energize with generator if necessary.
6. System operation demonstrated to Engineer if required.
7. Contractor's Declaration presented to Electrical Inspector and BC Hydro.
8. Connection fee paid to BC Hydro. (System not to be energized until authorized by municipality.)
9. Written summary to be provided to municipality in accordance with Final Approval Standards.
10. As-builts completed and forwarded to Engineer.
11. Notes