

FINAL ENGINEERING INSPECTION CHECKLIST



CITY OF MIRAMAR OFFICE OF OPERATIONAL SERVICES

Permit No.: _____
Project Name: _____

This document is intended to set minimum City inspection criteria. Additional criteria may be required.

The Contractor shall use this checklist to perform a final inspection. It is the Contractor's responsibility to provide personnel to perform the manual aspects of the inspection (i.e., opening manhole lids, turning gate valves, operating fire hydrants, etc.)

A. Water Distribution System:

- _____ 1. All features shall be installed according to the approved plans.
- _____ 2. Fire Hydrants
 - _____ a. Height (18" to 24" from finished grade to nozzle)
 - _____ b. Direction (4-1/2" nozzle must face accessway)
 - _____ c. Distance (5' minimum to 10' maximum from curb)
 - _____ d. Fire hydrant must be plumb
 - _____ e. Reflective pavement markers
 - _____ f. Fire hydrant and fire hydrant gate valve shall be operational

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- _____ 3. Valves
- _____ a. Set to grade
 - _____ b. Concrete collar per City specifications
 - _____ c. Gate valves shall be operational
 - _____ d. Paint (paint valve box lid blue)
 - _____ e. Reflective pavement markers (place one (1) in the center of the adjacent drive lane)

B. Sewage Collection & Transmission System:

- _____ 1. All features shall be installed according to the approved plans.
- _____ 2. Collection System:
- _____ a. Manhole rims shall be visible.
 - _____ b. Manhole rims shall be set to grade.
 - _____ c. Manhole rims shall be attached securely.
 - _____ d. Manhole rims shall be free of asphalt.
 - _____ e. Manhole interiors shall be painted with two (2) coats of approved paint.
 - _____ f. Manhole interiors shall be free of infiltration.
 - _____ g. All pipes shall be free of leaks and infiltration.
 - _____ h. Manholes located in grass areas shall have a concrete collar.
 - _____ i. Clean outs shall be set to grade.
- _____ 3. Force Main Transmission System:
- _____ a. Force main gate valves have concrete collars set to grade.
 - _____ b. Place green reflective pavement markers in the center of the adjacent drive lane.
 - _____ c. Air release valves and manholes shall be free of any defects.
 - _____ d. The pump station shall be in full operational condition.
 - _____ e. The pump station shall be operational.
 - _____ f. Pump station site shall be accessible by truck via paved driveway.
 - _____ g. All pump station fixtures shall be operational.
 - _____ h. Pump station site shall be fenced and landscaped.

C. Drainage System and Grading:

- _____ 1. All features shall be installed according to the approved plans.
- _____ 2. Drainage structures, sumps, and pipes shall be free of debris.
- _____ 3. Catch basins outside paved areas shall have a concrete apron.

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- _____ 4. Outfalls shall be complete and clear of debris.
- _____ 5. Inlets shall be free of filter fabric.
- _____ 6. Lake, canal, or ditch banks shall be to grade and slope as per approved plans.
- _____ 7. Erosion protection measures shall be in effect.
- _____ 8. Pollution retardant device shall be in place as per approved plans.
- _____ 9. Grates shall be secure.
- _____ 10. Pollution baffles shall be in place as required.

D. Pavement:

- _____ 1. All features shall be installed according to the approved plans.
- _____ 2. Alignments and cross-sections of all paved areas shall conform to the approved plans.
- _____ 3. Pavement:
 - _____ a. Pavement shall be clean.
 - _____ b. Pavement shall be free of potholes, cracks, and divots.
 - _____ c. Crown and grade of roadway shall conform to approved plans.
 - _____ d. Pavement markings and signage shall conform to the approved plans.
 - _____ e. Curbs shall be free of cracks and shall otherwise conform to the approved plans.
 - _____ f. Expansion joints shall conform to approved plans.
 - _____ g. Wheelchair ramps shall conform to approved plans.
 - _____ h. Parking spaces shall conform to approved plans.

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E. Miscellaneous:

- _____ 1. Work of other utilities shall be complete.
- _____ 2. Site lighting and street lighting shall be operational.
- _____ 3. Street signs and traffic signs shall be in place.
- _____ 4. Permanent reference monuments (PRM's) with elevations shall be in place.
- _____ 5. All existing facilities disturbed during construction shall be restored.

Inspected by: _____

Signature: _____

Date: _____