

**COMMERCIAL CONSTRUCTION
ENGINEERING INSPECTION CHECKLIST**

- SOIL EROSION AND SEDIMENTATION CONTROLS (SEE SEPARATE CHECKLIST)
- TREE PROTECTION FENCE

COMPLETE ABOVE ITEMS PRIOR TO CONTINUING AND MAINTAIN DURING PROJECT

- DETENTION SYSTEM INSTALLATION
 - OUTLET CONTROL MANHOLE
 - STABILIZATION OF BANKS
- STORM SEWER SYSTEM INSTALLATION
- WATER SYSTEM INSTALLATION
 - PRESSURE TEST
 - CHLORINATION
 - 24 HOUR CHLORINE SAMPLES (WITNESSED BY WATER SYSTEMS OPERATOR)
- SANITARY SEWER INSTALLATION
 - AIR TEST
 - DEFLECTION (MANDREL) TEST (30 DAYS AFTER COMPLETION)
- FOUNDATION INSPECTION, AS REQUIRED BY BUILDING & ZONING DIVISION
- WATER METER INSTALLATION INSPECTION
- PROOF ROLL OF SUB-BASE (PERFORMED BY QUALIFIED GEO-TECHNICAL SPECIALIST)
- CURB INSTALLATION
 - PRE-POUR INSPECTION
 - CYLINDER COLLECTION
 - CURING COMPOUND APPLICATION
- BASE COURSE INSPECTION
- BINDER COURSE INSPECTION
 - DENSITY TEST (PERFORMED BY QUALIFIED MATERIALS SPECIALIST)
- PARKING LOT LIGHTING INSPECTION
 - LOCATION/WATTAGE PER PLAN
 - DOWNWARD POINTING
 - SHIELDING WHERE NEEDED
 - EXTERIOR BUILDING FIXTURES
- SIDEWALK INSTALLATION
 - PRE-POUR INSPECTION
 - RAMPS INSTALLED WHERE REQUIRED
 - CURING COMPOUND APPLICATION
- FINAL GRADE INSPECTION
- LANDSCAPE INSTALLATION
 - PER APPROVED LANDSCAPE PLAN
- SOD/SEED INSTALLATION (COMPLETE GERMINATION)
- FINAL INSPECTION OF ALL WATER VALVES, FIRE HYDRANTS, AUXILIARY VALVES
 - REMOVE CHAINS FROM FIRE HYDRANTS
- FINAL INSPECTION OF ALL SANITARY SEWER SYSTEM
 - 1 YEAR POST CONSTRUCTION CLOSED CIRCUIT TELEVISION
 - INFILTRATION
- FINAL INSPECTION OF ALL STORM SEWER SYSTEM
 - REMOVE INLET PROTECTION
 - CLEAR OF DEBRIS IF NEEDED
- PROVIDE AS-BUILTS OF ALL PUBLIC UTILITIES, GRADING, AND DETENTION
 - PAPER, AUTOCAD, & ADOBE ACROBAT FORMATS
 - DETENTION CALCULATIONS
 - AS-BUILT ELEVATIONS ON DETENTION AND BERMS
 - AS-BUILT DETAIL OF OUTLET CONTROL STRUCTURE
- CURB INSPECTION FOR DAMAGE
- BINDER COURSE INSPECTION FOR DAMAGE
- FINAL SURFACE COURSE INSTALLATION
 - BINDER COURSE SWEEPER CLEAN
 - DENSITY TEST (PERFORMED BY A QUALIFIED MATERIALS SPECIALIST)
- MXU BOX INSTALLATION (PERFORMED BY UTILITIES - WATER PRODUCTION DIVISION)
- 1 YEAR MAINTENANCE WARRANTY ON ALL IMPROVEMENTS

COMPLETE ABOVE ITEMS PRIOR TO APPROVAL OF ENGINEERING FOR FINAL CO

TEMPORARY C.O. MAY BE ISSUED ON A CASE BY CASE BASIS FOR NONE LIFE SAFETY ITEMS PROVIDED A CASH DEPOSIT OR LETTER OF CREDIT IS RECEIVED IN THE AMOUNT OF 110% THE COST OF COMPLETION OF THESE ITEMS. RETURN OF DEPOSIT WILL NOT BE MADE UNTIL **ALL** ITEMS ARE COMPLETED. PARTIAL RETURNS WILL NOT BE MADE.