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 TELEVISING
  - ☐ 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.