

**RESIDENTIAL SUBDIVISION
ENGINEERING INSPECTION CHECKLIST**

LAND DEVELOPMENT INSPECTIONS:

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

COMPLETE ABOVE ITEMS PRIOR TO CONTINUING AND MAINTAINED 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)
- PROOF ROLL OF SUB-BASE (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)

COMPLETE ABOVE ITEMS PRIOR TO HOUSE CONSTRUCTION

- STREET LIGHT INSPECTION
- STREET LIGHTS MUST BE OPERATIONAL PRIOR TO ANY OCCUPANCIES AND MAINTAINED***
- PUBLIC SIDEWALK INSTALLATION
 - PRE-POUR INSPECTION
 - CURING COMPOUND APPLICATION
 - PARKWAY TREE INSTALLATION
 - SPECIES
 - MINIMUM DIAMETER
 - SUBDIVISION LANDSCAPE INSTALLATION
 - PER APPROVED LANDSCAPE PLAN
 - PARKWAY SOD INSTALLATION
 - 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 TELEVISIONING
 - INFILTRATION
 - FINAL INSPECTION OF ALL STORM SEWER SYSTEM
 - REMOVE INLET PROTECTION (AFTER FINAL STABILIZATION)
 - 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)
 - 1 YEAR MAINTENANCE WARRANTY ON ALL PUBLIC IMPROVEMENTS

**RESIDENTIAL SUBDIVISION
ENGINEERING INSPECTION CHECKLIST**

HOUSE CONSTRUCTION INSPECTIONS:

- SOIL EROSION AND SEDIMENTATION CONTROLS
 - SILT FENCE
 - DITCH CHECKS
 - INLET PROTECTION
 - STABILIZED CONSTRUCTION ENTRANCE
 - TREE PROTECTION FENCE
- COMPLETE ABOVE ITEMS PRIOR TO CONTINUING AND MAINTAIN THROUGHOUT THE PROJECT**
- FOUNDATION INSPECTION, AS REQUIRED BY BUILDING & ZONING DIVISION
 - B-BOX / SEWER CLEAN-OUT LOCATION
 - VERIFY LOCATION NOT IN DRIVEWAY OR SIDEWALKS
 - WATER METER INSTALLATION INSPECTION
 - ROUGH GRADE INSPECTION
 - DRAINAGE
 - PUBLIC SIDEWALK INSPECTION
 - PRE-POUR
 - CURING COMPOUND INSTALLATION
 - DRIVEWAY APPROACH INSPECTION
 - PRE-POUR
 - SUMP PUMP DISCHARGE INSPECTION
 - AIR GAP
 - CONNECTION TO STORM SEWER, IF SHOWN ON PLAN
 - PARKWAY TREE INSPECTION
 - SPECIES
 - MINIMUM DIAMETER
 - ADDITIONAL SUBDIVISION LANDSCAPING
 - FINAL GRADE INSPECTION
 - SOD INSTALLATION INSPECTION
 - SPLASHBLOCK INSPECTION
 - B-BOX INSPECTION (PERFORMED BY UTILITIES -WATER PRODUCTION DIVISION)
 - MXU BOX INSTALLATION (PERFORMED BY UTILITIES-WATER PRODUCTION DIV)
- COMPLETE ABOVE ITEMS PRIOR TO APPROVAL OF ENGINEERING FOR FINAL CO**

TEMPORARY C.O. MAY BE ISSUED WITHOUT PUBLIC SIDEWALK, DRIVEWAY, FINAL GRADE, LANDSCAPING, AND SOD 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.