ORANGE COUNTY PUBLIC WORKS DEPARTMENT
DEVELOPMENT ENGINEERING DIVISION
PLAN REVIEW SECTION

FOR OFFICE USE ONLY:
Permit Reference #:

_____

SUBDIVISION CONSTRUCTION
PERMIT APPLICATION (S-PERMIT)

Subdivision Name:_____ Date:_____

PD Name:_____

PSP or CDR Ref. #_____ DRC Approval Date:_____ BCC Approval Date:_____

Parcel ID: _____
      S (01-36)   T (20-24)   R (27-34)   Sub (0000-9999)   Blk (00-99)   Lot (000-999)

OWNER: **ENGINEER:**

Name:_____ Name:_____

Company:_____ Company:_____

Address:_____ Address:_____

City:_____ State:____ Zip:_____ City:_____ State:____ Zip:_____

Phone:_____ Phone:_____

E-mail:_____ E-mail:_____

REQUIREMENTS:

_____ Completed Subdivision Permit Application form (this form).
_____ **Board of County Commissioners official approval conditions.**
_____ Conservation Area impact permit (if required).
_____ Phase I Environmental Site Assessment.
_____ Boundary and topographical survey.
_____ Civil Engineering Construction Plans.
_____ Landscape Plans.
_____ All required supporting documents (drainage calculations, soils report, other reports and calculations as required by Public Works Development Engineering, Utilities Development Engineering, Environmental Protection, Traffic Engineering, and the Office of the Fire Marshal.
_____ **New Electronic deliverables (new requirement)** as described in the Land Development Application Requirements document attached to this application.

-All plans, documents and reports shall be in PDF format.
-Plans (PDF format) must be submitted full size, but able to be half scale when printed 11x17.

-All Construction documents shall be signed, dated, and sealed by a FL Registered Professional Engineer, Landscape Architect or Professional Land Surveyor as required.

-Plans will be reviewed by Public Works Development Engineering, Utilities Development Engineering, Environmental Protection, Traffic Engineering, Storm Water Management and the Office of the Fire Marshal.

-Right-of-way utilization and/or underground utility permit(s) required prior to construction.

-Track the application online at: https://fasttrack.ocfl.net/OnlineServices/default.aspx

Land Development Application Requirements

DELIVERABLE DIRECTORY STRUCTURE

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01_ConstructionPlans
       3D_Surface_Files
       CADD
       GIS
       PDFs
02_RecordDrawings
       3D_Surface_Files
       CADD
       GIS
       PDFs
03_SurveyData
       CADD
       GIS
       Other
       PDFs
       Post_Construction_LiDAR
04_ModelNetwork
       CADD
       GIS
       PDFs
05_ModelData
       Existing_Condition
          Model_Files
          PDFs
       Proposed_Condition
          Model_Files
          PDFs
06_ReportDocumentation
07_Misc
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REQUIREMENT FOR DEVELOPMENT* THAT IS LESS THAN 10 ACRES

01_ConstructionPlans

- Full set of construction plans as a single PDF
    - Vertical datum must be based on North American Vertical Datum of 1988 (NAVD88) and clearly identified on plans.
    - **OPTIONAL/PREFERRED -** Table of contents hyperlinked to the individual sheets
- **OPTIONAL/PREFERRED -** Full set of construction plans as CADD files (e.g., AutoCAD or Microstation)
- **OPTIONAL/PREFERRED –** 3D surface files for design condition

02_RecordDrawings

- Full set of record drawings as a single PDF
    - Vertical datum must be based on North American Vertical Datum of 1988 and clearly identified on plans.
    - **OPTIONAL/PREFERRED -** Table of contents hyperlinked to the individual sheets.
- **OPTIONAL/PREFERRED -** Full set of record drawings as CADD files

Land Development Application Requirements

03_SurveyData
- **OPTIONAL/PREFERRED -** Survey data as PDF files
- **OPTIONAL/PREFERRED -** Survey data as CADD files
- **OPTIONAL/PREFERRED -** Other survey data (sketches, GIS, etc.)
- **OPTIONAL/PREFERRED –** Post construction LiDAR bare earth point cloud (Vertical datum must be based on NAVD88. Should be consistent with the most current USGS LiDAR Base Specification for Quality Level QL-1. The acquisition and processing approach as well as the resulting data standards and accuracies should be certified by a licensed PSM)

04_ModelNetwork
- Model network (both existing and proposed condition)
  - Nodes, links, and basins labeled with IDs consistent with the model input
  - Model elements must be properly geospatially represented in a GIS (i.e., shapefiles or a geodatabase), CADD, or PDF (to scale) format (OC GWIS GIS data structure is preferred). Note: Feature names/IDs must match those used in the model.
  - The data must be provided in the following horizontal coordinate system designated by Orange County:
    - NAD_1983_StatePlane_Florida_East_FIPS_0901_Feet

05_ModelData\Existing_Condition
The County either has developed or is in the process of developing watershed models for the major basins in the county using ICPR. While ICPR is the preferred model tool for the County, other surface water modeling software tools may be used.
- Model input files
  - The following example naming convention is suggested…e.g. ProjName_PRE.zzz
  - The Simulation dialog comments should indicate the project name, existing condition, the storm simulated, the date of the final simulation, and any other pertinent information.
- Model output files
  - The following example naming convention is suggested…e.g. ProjName_PRE_100yr24hr, etc.
- A listing of all model filenames along with a description of the models must be provided as a PDF (e.g., ProjectName_ModelFileSummary.pdf).
- Model input and output data as PDFs

05_ModelData\Proposed_Condition
- Model input files
  - The following example naming convention is suggested…e.g. ProjName_POST.zzz
  - The Simulation dialog comments should indicate the project name, proposed condition, the storm simulated, the date of the final simulation, and any other pertinent information.
- Model output files
  - The following example naming convention is suggested…e.g. ProjName_POST_100yr24hr, etc.
- A listing of all model filenames along with a description of the models must be provided as a PDF (e.g., ProjectName_ModelFileSummary.pdf).
- Model input and output data as PDFs.

Land Development Application Requirements

06_ReportDocumentation
- Provide copies of any reports submitted as PDFs (drainage report / calculations, geotechnical report, WMD permit application, etc.)
- Supporting documentation for calculations (e.g., time of concentration, CN, stage-area, etc.)
- **OPTIONAL/PREFERRED**: raw calculation files for model parameters (e.g., time of concentration, CN, stage-area, etc.)

07_Misc
- GIS feature class or CADD file with a polygon feature that defines the areal extent of the project and provides the following information: Project Name, Developer Name, EOR Name, Date Submitted to County, Basin Name, S-T-R, Commissioner District, OC Maintenance District, Water Management District. The County will provide a blank shapefile with the required fields upon request.

REQUIREMENT FOR DEVELOPMENT* THAT IS 10 ACRES OR MORE

01_ConstructionPlans
- Full set of construction plans as a single PDF
  - Vertical datum based on North American Vertical Datum of 1988 and clearly identified on plans.
  - **OPTIONAL/PREFERRED -** Table of contents hyperlinked to the individual sheets
- Full set of construction plans as CADD files
- **OPTIONAL/PREFERRED –** 3D surface files for design condition

02_RecordDrawings
- Full set of record drawings as a single PDF
  - Vertical datum based on North American Vertical Datum of 1988 and clearly identified on plans.
  - **OPTIONAL/PREFERRED -** Table of contents hyperlinked to the individual sheets.
- Full set of record drawings as CADD files (in AutoCAD or Microstation format)

03_SurveyData
- Survey data as PDF files
- Survey data as CADD files
- Other survey data (sketches, GIS, etc.)
- **OPTIONAL/PREFERRED –** Post construction LiDAR bare earth point cloud (Vertical datum must be based on NAVD88. Should be consistent with the most current USGS LiDAR Base Specification for Quality Level QL-1. The acquisition and processing approach as well as the resulting data standards and accuracies should be certified by a licensed PSM)

04_ModelNetwork
- Model network (both existing and proposed condition)
  - Nodes, links, and basins labeled with IDs consistent with the model input
  - Geospatially represented in a GIS format (i.e., shapefiles or a geodatabase; OC GWIS GIS data structure is preferred). Note: feature names/IDs must match those used in the model.
  - The data must be provided in the following horizontal coordinate system designated by Orange County:

- NAD_1983_StatePlane_Florida_East_FIPS_0901_Feet

05_ModelData\Existing_Condition

The County either has developed or is in the process of developing watershed models for the major basins in the county using ICPR. ICPR is the preferred model tool for the County and is required to be used by the developer.

- Model input files
  - The following example naming convention is suggested…e.g. ProjName_PRE.zzz
  - The Simulation dialog comments must indicate the project name, existing condition, the storm simulated, the date of the final simulation, and any other pertinent information.
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  - The following example naming convention is suggested…e.g. ProjName_PRE_100yr24hr, etc.
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- Model input files
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07_Misc

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* All development except for applicants with on SFR unit.