Ascension Parish Planning & Zoning Commission

Construction Plan and Submittal Review Checklist

Project Name & Filing Number _____

Date of Preliminary Plat Approval _____

CERTIFICATION: I hereby certify that the attached construction plans comply with the Ascension Parish subdivision and drainage regulations as outlined in the Ascension Parish Unified Land Development Code (LDC).

Engineer: _____ Date: _____

INTRODUCTION: The following checklist provides minimum criteria for compliance with the Parish standards, policies, and Subdivision Regulations. The design engineer may provide additional plan sheets in addition to this minimum criterion at his/her discretion. The design engineer shall fully comply with applicable Parish standards, policies, Subdivision Regulations and sound engineering practices, which may not be contained in this checklist. All applicable items must be addressed. Please indicate items completed by placing a checkmark in the following checklist blocks, or write "N/A" if not applicable.

The design engineer shall sign and date the above certification and electronically submit the completed checklist with construction plans and all supplementary documents. The ERA may request updated program files for drainage calculations and models, including HydroCAD, HEC-RAS, etc. When resubmitting plans, the consulting engineer shall provide detailed responses to each comment made by the ERA, including sheet numbers and specific items in which any alterations were made. All construction plans submitted to the ERA shall be limited to three (3) rounds of review, else a fee shall be incurred upon the consultant per each additional submission.

I. CONSTRUCTION PLANS

A. TITLE SHEET & LOCATION/VICINITY MAP:

- ☐ Subdivision name and filing number _____
- ☐ Type of Subdivision (Residential, Commercial, Industrial, or Large Scale Development) _____
- ☐ Date of original Preliminary Plat approval and all revisions with dates noted _____
- ☐ Name of Engineer, signature, and seal _____
  - ☐ Note: Engineer's Certification: I hereby certify that the design of the subdivision improvements, to the best of my knowledge, conforms to the current Parish Subdivision Regulations, current design standards of the Department of Public Works, and sound engineering practices.
- ☐ Index to Drawings: _____
  - ☐ Title Sheet & Location/Vicinity Map _____
  - ☐ Typical Section Sheet(s) _____
  - ☐ Existing Site Condition Map _____
  - ☐ Storm Drainage Layout _____
  - ☐ Sanitary Sewer Layout _____
  - ☐ Plan/Profile Sheets (indexed by street name) _____
  - ☐ Drainage Outfall Plan/ Profiles/ Sections (indexed by drainage structure name, if applicable) _____
  - ☐ Sanitary Sewer Profiles (indexed by sewer structure, if applicable) _____
  - ☐ Traffic Control Plan _____
  - ☐ Site Grading (for each phase or filing if applicable)/ Detention Pond Plan _____
  - ☐ Sanitary Sewage Treatment Plant / Pump Station Site Plan (if applicable) _____
  - ☐ Special Details (bridges, spillways, boxes, concrete collars, etc. if applicable) _____

v. 2.0
Last Updated: 6/14/2017

- ☐ Mitigation Plan (if applicable) _____
- ☐ Mitigation Cross Sections (if applicable) _____
- ☐ Sedimentation & Erosion Control Plan (per phase, if applicable) _____
- ☐ Phasing Plans (if applicable) _____

☐ Index to Standard Specifications: _____

- ☐ Each standard listed by name, number, and revision date _____
- ☐ Reference as to which standards are used _____

☐ Notes on Title Sheet: _____

- ☐ Note name of all streets and items to be public/private within title _____
- ☐ 1. All work shall conform to the Ascension Parish Subdivision Construction Specifications latest edition. _____
- ☐ 2. Maintenance Bond required in accordance with provisions of Section 17-4010 of the Ascension Parish Subdivision Regulations. _____
- ☐ 3. The approval of these plans applies to the construction features only as required by the Ascension Parish Subdivision Regulations established policies and sound engineering practices. _____
- ☐ 4. All Sanitary Sewer lines, treatment plant or sewerage treatment facilities shall be approved by the Louisiana Department of Health and Hospitals. _____
- ☐ 5. No street in this Subdivision is to be open to traffic until the proper intersection control signs have been installed by the developer. _____
- ☐ 6. Post installation tests for sewer lines are to be performed in accordance with Section 17-4046 of the Ascension Parish Subdivision Regulations. _____
- ☐ 7. A LPDES Permit will be required (*only if site is > 1 acre per Section 17-509-B of the Ascension Parish Drainage Regulations). _____
- ☐ 8. A US COE 404 Permit may be required for any activity in a designated wetland area. _____
- ☐ 9. A DOTD permit is required for activity within a state right of way or servitude. _____

☐ Bench Mark Data: Description, Elevation, and Source (Datum- must be bona fide Ascension Parish) _____

☐ List of variances/waivers and date of Planning Commission Approval _____

B. TYPICAL SECTION SHEET:

☐ Subdivision name and filing number _____

☐ Name of engineer, signature, and seal _____

☐ Right-of-Way Requirements (check all applicable boxes): _____

- ☐ Major Streets shall conform to widths required on the major street plan _____
- ☐ Alleys: Minimum 20 feet _____
- ☐ Boulevards: Minimum 100 feet _____
- ☐ Arterial Streets: Minimum 150 feet _____
- ☐ Collector Streets: Minimum 60 feet _____
- ☐ Local Streets (Curb & Gutter): Minimum 50 feet _____
- ☐ Local Streets (Open Ditch): Minimum 60 feet _____
- ☐ Commercial/Industrial Streets: Minimum 60 feet _____
- ☐ Marginal Access Streets: Minimum 60 feet _____
- ☐ Rural Roads: Minimum 80 feet _____
- ☐ Townhouse Driveways: Minimum 30 feet (Private Servitude of Passage) _____
- ☐ (T or L)-Turnaround: Minimum 110 feet by 40 feet _____
- ☐ Cul-de-sac (Turning Circle): Minimum 68 feet outside radius (Curb and Gutter); 75 feet outside radius (Open Ditch) _____

- ☐ Utility Space Allocation Plan (also show rear yard space allocation plan, if applicable) _____
- ☐ Minimum cross slope = 0.025 Ft/Ft _____
- ☐ Show lime cut below curbs and specify that lime determination is to be determined by the testing lab with a minimum of 8% and approved by the Engineering Reviewing Agency (ERA) _____
- ☐ Provide details of transitions between different roadway surfaces or connections to existing streets _____
- ☐ Asphaltic Concrete Wearing Surfaces are to be noted as: "3" Asphaltic Concrete Superpave – Level A to be installed in two identical 1-½" lifts. AC-30 or PG 64-22 liquid may be used in lieu of PG 70-22m." _____
- ☐ Typical cross section (show cross section for each type of street, i.e., boulevard section, curb & gutter standard, open ditch standard, etc.) _____
    - ☐ Collector, Local, Marginal Access, or Rural Street (check all applicable boxes):
        - ☐ a. Twenty (20) foot pavement, open ditch with 3:1 slopes on each side and twenty-eight (28) foot graded roadbed _____
        - ☐ b. Twenty-seven (27) foot back of curb to back of curb, concrete curb & gutter _____
        - ☐ c. Street paving sections (check applicable box) _____
            - ☐ 1. Six (6) inches of concrete _____
            - ☐ 2. Five (5) inches of concrete and one and one-half (1½) inches of asphaltic wearing surface with concrete curb _____
            - ☐ 3. Three (3) inch asphaltic wearing surface on a ten (10) inch soil cement base _____
            - ☐ 4. Alternate section approved by the ERA _____
    - ☐ Rural Roads:
        - ☐ a. Twenty-four (24) foot wide pavement _____
        - ☐ b. Street section _____
            - ☐ 1. Two (2) inch asphaltic wearing surface on 8½ inch soil cement base or better; 3:1 slopes _____
    - ☐ Arterial or Commercial-Industrial Streets:
        - ☐ a. Minimum twenty-seven (27) foot width from back of curb to back of curb; eight (8) inch cement pavement; concrete curb _____
        - ☐ b. Where the fall of land along proposed street alignment is less than three (3) feet in 1,500 ft: street twenty-four (24) foot wide, open ditch in 60-foot right-of-way, 3:1 slopes may be built with eight (8) inch concrete pavement (Variance/Waiver required per Section 17-4034 A2) _____
    - ☐ Boulevards:
        - ☐ a. *Local or Collector* – Minimum twenty-two (22) foot width from back of curb to back of curb per lane, with neutral ground of at least thirty (30) feet _____
        - ☐ b. *Arterial* – Minimum twenty-five and one-half (25 ½) foot width from back of curb to back of curb per lane, with neutral ground of at least thirty (30) feet _____
        - ☐ c. Alternate section approved by the ERA _____
    - ☐ Townhouse Private Access Drives – Minimum twenty-two (22) foot wide with adequate drainage and turnaround space, six (6) inch soil cement or better, with 1½" asphaltic concrete wearing course _____
    - ☐ (T or L)-Turnaround – Minimum pavement size is 90 feet by 20 feet with twenty-five (25) foot radii; construction type is same as adjacent street _____
    - ☐ Cul-de-sac (Turning Circle) – Minimum inside turning radius of 35 feet
        - ☐ a. *Curb and Gutter Streets* – 68-foot right-of-way radius with 24-foot pavement width back of curb to back of curb _____
        - ☐ b. *Open Ditch Streets* – 75-foot right-of-way radius with 20-foot pavement width _____

☐ Private streets – At the entrance to any subdivision development with private improvements, a sign shall be installed which states the limits of public improvements within the development _____

C. EXISTING SITE CONDITION MAP:

- ☐ Subdivision name and filing number _____
- ☐ Name of engineer, signature, and seal _____
- ☐ North arrow _____
- ☐ Graphic scale _____
- ☐ Legend _____
- ☐ Existing contour lines, onsite and offsite _____
- ☐ Onsite and offsite drainage areas _____
- ☐ Identify adjacent properties _____
- ☐ Show all existing culverts, ditches, structures, driveways, fences, gas pipelines, lakes/ponds, roads, historic features, etc.; and label all items _____

D. STORM DRAINAGE LAYOUT:

- ☐ Subdivision name and filing number _____
- ☐ Name of engineer, signature, and seal _____
- ☐ North arrow _____
- ☐ Graphic Scale (1" = 100') _____
- ☐ Legend _____
- ☐ Contours _____
- ☐ Servitudes (widths per Section 17-4045E); noted as public or private _____
  - ☐ Swale Ditches (Proposed) with max depth of 1.5' and max slopes of 5:1 require a minimum 7.5' servitude width on each side of the swale centerline (existing swales do not apply) _____
  - ☐ Ditches or Canals (Existing or Proposed): _____
    - ☐ 1. Top width less than 20' requires a minimum 10' servitude per side
    - ☐ 2. Top width greater than 20' requires a minimum 15' servitude per side
    - ☐ 3. Top width greater than 30' requires a minimum 20' servitude per side
    - ☐ 4. Top width greater than 40' requires a minimum 25' servitude per side

      ***Ditch/canal servitude widths are from the top bank of each side*
  - ☐ Subsurface Drainage Pipes smaller than 60" in diameter require a 7.5' servitude on each side of the outer wall of the pipe _____
  - ☐ Subsurface Drainage Pipes greater than or equal to 60" in diameter and Box Culverts wider than 60" require a minimum servitude width of four times the diameter of the pipe or width of culvert _____
  - ☐ Double Runs of Pipe/Special Circumstances servitude widths will be established by the Drainage Department _____
  - ☐ Stormwater Ponds/Lakes require a minimum 30' servitude width from the inlet to the outlet of the pond or lake _____
- ☐ Rear swale ditches (as needed per Sections 17-4044 H & I) _____
- ☐ Lot numbers are depicted, and agree with approved preliminary plat _____
- ☐ Drainage Areas (area, including offsite areas, and calculated flow should be given for each area). Sheet flow shall be accommodated on the site by use of swale ditches or pipe systems to intercept the sheet flow and direct it to the appropriate outfall. Provisions must be made to adequately take care of adjacent watershed areas for existing conditions flows. _____
- ☐ Pipe sizes, lengths, flow rates, and type; Public servitudes and R/W's: min. pipe size shall be 15" _____
- ☐ Inlet designations _____

- ☐ Adjacent lots, lot numbers, or tract names _____
- ☐ Provide catch basins for low areas behind curb _____
- ☐ Catch basin spacing (max. 350 feet, recommended 300± feet) _____
- ☐ Where open ditches are used for drainage, size of all driveway culverts shall be shown (Culverts are to be designed using Manning's roughness coefficient of 0.024) _____
- ☐ No drainage structures shall fall within the limits of the roadway _____
- ☐ Show cemeteries, existing structures, gas pipelines, lakes/ponds, historic trees, etc. _____
- ☐ Note required regarding private ownership and maintenance of lake/pond and shoreline and that Ascension Parish does not own or maintain lake/pond and shoreline. This note must also be added to final plat. _____
- ☐ Where rear yard drainage is required, ditches must have 1.5' maximum depth with 5:1 slopes _____
- ☐ For zero-lot line subdivisions, rear yard drainage systems may be required (can be private) _____
- ☐ Water surface elevations labeled at outfalls _____
- ☐ Inundation elevation (if available) _____
- ☐ Delineate FEMA 100-year flood zones and nearest base flood elevation _____
- ☐ Riprap at Outfalls _____
- ☐ Unless drainage channels are being used as recreational space, a 5' chain-link fence is required along channels as referred to in Section 17-4045E _____
- ☐ Show static, 10-year design water surface, and peak 10-year elevation on all detention ponds _____
- ☐ Pipe and node charts agree with hydraulic calculations _____
- ☐ Pipe and node charts agree with Plan & Profile sheets _____

E. SANITARY SEWER LAYOUT:

- ☐ Subdivision name and filing number _____
- ☐ Name of engineer, signature, and seal _____
- ☐ North arrow _____
- ☐ Graphic Scale (1" = 100') _____
- ☐ Legend _____
- ☐ Contours _____
- ☐ Servitudes _____
- ☐ Lot numbers _____
- ☐ Pipe sizes and grades (min. 0.4% and max. 150 lots on an 8" line) _____
- ☐ Manhole designation, top elevation, and invert elevation for each manhole. Manholes with drops 2' or greater require special drop detail. _____
- ☐ No sanitary sewer structures shall fall within the limits of the roadway _____
- ☐ Wyes for each lot. Single wyes required on same side as main. Double wyes with cleanouts are allowed for street crossings. Sewer services are required to extend past utility servitude and terminus is to extend a minimum of 3 feet above finish grade. _____
- ☐ Manhole spacing (max. 400 feet, recommended 300± feet) _____
- ☐ Note: "Minimum depth of sewer services at the property line shall be 4 to 6 feet below the finish grade. Sewer services from the main sewer to the property shall have a minimum slope of 1% (2% where available depths permits). Sewer services are required to extend past utility servitudes and terminus is to extend a minimum of 3 feet above finish grade." _____
- ☐ Note: "Sanitary sewer mains shall be tested and accepted in accordance with Sections 17-4046 of the subdivision regulations prior to acceptance for maintenance by the Parish." _____
- ☐ Note: "All sewer force mains shall be water pressure tested as per EBR 1997 Standard Specs with Provisions-Sec. 803-7A." _____
- ☐ Plan showing location of sanitary sewer and service line in servitude or right-of-way. Show cleanouts with cast

iron cover in concrete pad where required. _____

- ☐ Identify adjacent properties _____
- ☐ Location of pump station and force main (if applicable) _____
- ☐ Treatment plant is more than 100' from an existing residence _____
- ☐ Treatment plant effluent line is depicted with outfall noted _____
- ☐ Statement as to ownership and maintenance of treatment plant and collection system _____
- ☐ When necessary for sanitary sewer line to pass through manhole, minimum 1 ft of clearance should be maintained between the bottom of the sewer line and the flow line of the manhole. Ductile iron pipe should be used to ensure 2 ft of bearing on compacted soil beyond walls of manhole. _____
- ☐ Show cemeteries, existing structures, gas pipelines, lakes/ponds, historic trees, etc. _____

F. PLAN – PROFILE SHEETS:

- ☐ Subdivision name, filing number, and street name on each sheet _____
- ☐ Name of engineer, signature, and seal _____
- ☐ North arrow _____
- ☐ Graphic Scale (1" = 20' plan, 1" = 2' profile) _____
- ☐ Identify type of street construction on each sheet (plan only) _____
- ☐ Inlet and manhole designations (on both plan and profile) _____
- ☐ Top and invert elevations of all inlets and manholes (on both plan and profile). Each structure should be labeled on one plan-profile sheet within the set of plans. _____
- ☐ Length, size, slope, and type of all sanitary sewer lines (on both plan and profile). Each pipe should be labeled labeled on one plan-profile sheet within the set of plans. _____
- ☐ Length, size, slope, and type of all storm drain pipes (on both plan and profile) Each pipe should be labeled on one plan-profile sheet within the set of plans. _____
- ☐ Length, size, slope, and type of all storm drain pipes (on profile) agree with drainage chart and hydraulic calculations. _____
- ☐ The gutter elevation of all streets shall be constructed no lower than one (1) foot below the FEMA Base Flood elevation. _____
- ☐ The gutter elevation of all streets shall be constructed no lower than two (2) inches below the design water surface elevation for the interior subsurface storm water system draining the roadway. _____
- ☐ The gutter elevation of all streets shall be constructed no lower than the 10-yr peak water surface of any detention pond(s), unless otherwise approved by the ERA. _____
- ☐ Hydraulic grade line. Show the design water surface value at all junction boxes and inlets. The hydraulic grade line shall not exceed 2" above the lowest gutter elevation of a curb & gutter street and the edge of pavement on a suburban standard street (open ditch) unless otherwise approved by the ERA. _____
  - ☐ Street centerline elevation: all streets shall be constructed no lower than one (1) foot below the FEMA Base Flood Elevation. _____
- ☐ Proposed street grades are 0.4% minimum for curb and gutter and future curb and gutter streets; open ditch subdivisions can have a 0.0% street grade. Label PVI, PVC, PVT, curve length, and slope. Label on minimum 50' intervals. Check to be sure inlets are at low points. _____
- ☐ Existing ground in profile. Label on minimum 50' intervals. _____
- ☐ Radius at intersections: _____
  - Residential – 25' minimum _____
  - Commercial – 35' minimum _____
  - Industrial and major streets – 50' minimum _____
- ☐ Curve data where required _____
- ☐ Lot numbers _____

- ☐ Servitudes _____
- ☐ Building setbacks _____
- ☐ Driveways to treatment plant or pump station sites: 10' min. width and 4" minimum thickness with 10' concrete or asphalt aprons required where drive abuts street. The remainder of drive may be aggregate. _____
- ☐ Sidewalks: (4" thick x 4' wide) within a 5-foot sidewalk servitude (if applicable) _____
- ☐ Handicap ramps: required for sidewalks at all intersections (if applicable) _____
- ☐ Check for conflicts between sewer and storm drain lines. Provide conflict boxes or ductile iron pipe where required. _____
- ☐ Temporary (T or L)-Turnarounds: full pavement section inside future roadway and a minimum of 6" gravel on top of geotextile fabric on the remaining area. _____
- ☐ Riprap at outfalls with dimensions (L x W) shown _____

G. PUMP STATION DETAILS (applicable if system is to be dedicated to Ascension Parish):

- ☐ Subdivision name and filing number _____
- ☐ Name of engineer, signature, and seal _____
- ☐ North arrow _____
- ☐ Legend _____
- ☐ Servitudes _____
- ☐ Lot numbers _____
- ☐ Piping sizes _____
- ☐ Design flow and total dynamic head (show calculations) _____
- ☐ Pump size and model number _____
- ☐ Motor size and speed _____
- ☐ Slab elevation _____
- ☐ Ground elevation _____
- ☐ Top elevation _____
- ☐ Wet well _____
    - ☐ 1. Diameter _____
    - ☐ 2. Invert _____
    - ☐ 3. Invert of incoming pipes _____
    - ☐ 4. Low water elevation _____
    - ☐ 5. High water elevation _____
- ☐ Electrical supply _____
- ☐ Site plan _____
- ☐ Air release valve at all high points in force main pipe _____

H. SEWER TREATMENT PLANT SUBMITTAL (applicable if system is to be dedicated to Ascension Parish):

- ☐ Sewage Treatment Facility Design Items: _____
    - ☐ 1. Design Average Flow _____
    - ☐ 2. BOD_5 Loading (lbs/day) _____
    - ☐ 3. Max # of Lots or Population at Maximum Capacity _____
    - ☐ 4. Initial # of Lots (or Population) _____
    - ☐ 5. Design Effluent Limits (BOD_5, TSS, NH_3N) _____
    - ☐ 6. Receiving Stream _____
    - ☐ 7. Plant Manufacturer _____
    - ☐ 8. Materials of Construction _____
    - ☐ 9. Aeration Tank (Volume, Retention Time, BOD_5 Loading) _____

- ☐ 10. Final Clarifier (Surface Area, Loading, Volume, Weir Length/Loading) _____
- ☐ 11. Air Supply _____
- ☐ 12. Sludge Return (Method, Max Flow, Max Percent (% DAF)) _____
- ☐ 13. Chlorination (Number, Type, Location) _____
- ☐ 14. Chlorine Contact Chamber (Dimensions, Capacity, Retention Time) _____
- ☐ 15. Locational Information (Coordinates in Latitude/Longitude) _____
- ☐ 16. Name of Certified Operator _____

*Pumping to an offsite private treatment plant is no longer permitted by Ascension Parish unless approval has been granted from the Ascension Parish Attorney.

I. DRAINAGE OUTFALL PROFILES/SECTIONS:

- ☐ Subdivision name and filing number _____
- ☐ Name of engineer, signature, and seal _____
- ☐ North arrow _____
- ☐ Profile:
  - ☐ 1. Natural ground _____
  - ☐ 2. Bottom of ditch _____
  - ☐ 3. Hydraulic grade line _____
  - ☐ 4. Corrugated metal pipe (20' minimum) at discharge channel _____
  - ☐ 5. Top of drainage pipes outfalling into lakes shall be 1' below the normal water surface _____
- ☐ Section:
  - ☐ 1. Bottom width _____
  - ☐ 2. Side slopes- 3:1 for earthen channels, 1½ : 1 for concrete lined channels. _____
  - ☐ 3. Design water depth _____
  - ☐ 4. Top of ground _____
  - ☐ 5. Top width _____
  - ☐ 6. Location within servitude or right-of-way _____
  - ☐ 7. Design flow _____
  - ☐ 8. Submit signed and sealed calculations for files _____
- ☐ Erosion Protection:
  - ☐ 1. Show type _____
  - ☐ 2. Show limits _____
  - ☐ 3. Riprap at outfalls with dimensions (L x W) shown _____

J. SANITARY SEWER PROFILES:

- ☐ Subdivision name and filing number _____
- ☐ Name of engineer, signature, and seal _____
- ☐ Natural ground _____
- ☐ Size, length, type, and slope of all lines _____
- ☐ Manhole designation, stationing, top elevation, and invert elevation _____
- ☐ Drop inlets if required (avoid when possible) _____

K. TRAFFIC & CONTROL PLAN:

- ☐ Subdivision name and filing number _____
- ☐ Name of engineer, signature, and seal _____
- ☐ North arrow _____
- ☐ Graphic Scale (1" = 100') _____

- ☐ Legend _____
- ☐ Identify adjacent properties _____
- ☐ Lot numbers _____
- ☐ Street signs _____
    1. North-South streets shall be called drives _____
    2. East-West streets shall be called avenues _____
    3. Boulevard streets shall be called boulevards _____
- ☐ Street signs are noted as Diamond Grade _____
- ☐ The street signs for all streets that have no outlet to where a traveler must come back to the same location to leave the area will have the words "NO OUTLET" in yellow as part of the street sign at the right end. _____
- ☐ The block numbers at the location of a street sign shall be included on the sign. _____
- ☐ Traffic intersection control signs _____
- ☐ Dead-end installations shown with turnaround where required _____
- ☐ Posted speed limit is no greater than 25 mph _____
- ☐ Sign posts are to be new Parish Specifications including square tube post assembly _____
- ☐ At the entrance to any subdivision development with private improvements, a sign shall be placed stating the limits of public maintenance within the development. _____
- ☐ Striping plan required if more than three lanes proposed without a raised median. _____
- ☐ Temporary (T or L)-Turnaround shown where needed. _____
- ☐ Every park must have signage identifying the area as a private park and under the ownership/maintenance of the HOA. _____
- ☐ Required landscaping items (e.g. trails, trees, etc.) are noted/depicted as on the preliminary plat. _____

L. SITE GRADING/DETENTION POND PLAN:

- ☐ Subdivision name and filing number _____
- ☐ Name of engineer, signature, and seal _____
- ☐ North arrow _____
- ☐ Legend _____
- ☐ Contours (Existing and Proposed for entire project site) _____
- ☐ Graphic Scale _____
- ☐ Identify adjacent properties _____
- ☐ Lot numbers _____
- ☐ Show static, 10-year design water surface and peak 10-year elevation on all detention ponds _____
- ☐ Lake outfall structure details (plan and cross section views). Primary and secondary (emergency) outfalls. _____
- ☐ If at all feasible, the emergency spillway should be located in a different location than directly above the primary outfall pipe(s). _____
- ☐ Note stating that finish floor elevations should be 1 foot higher than the 100-year FEMA flood elevation or the 100-year peak water surface elevation of the detention pond(s), whichever is greater. _____
- ☐ Show baselines for mitigation sections (if applicable and separate mitigation plan not provided) _____

M. BRIDGE PLANS AND DETAILS (IF APPLICABLE):

- ☐ Subdivision name and filing number _____
- ☐ Name of engineer, signature, and seal _____
- ☐ Cast-In-Place concrete deck with concrete piles and caps _____
- ☐ Precast concrete deck with concrete piles and caps _____
- ☐ Elevation of lowest bridge deck member must clear the 100 Year Flood Elevation or Inundation, whichever is

greater. _____

- ☐ Provide boring logs _____
- ☐ Adequate bridge opening is required. Provide signed and sealed hydraulic calculations. _____
- ☐ Provide signed and sealed pile capacity and structural calculations. _____

N. MITIGATION PLAN:

- ☐ Subdivision name and filing number _____
- ☐ Name of engineer, signature, and seal _____
- ☐ North arrow _____
- ☐ Graphic Scale _____
- ☐ Legend _____
- ☐ Contours (Existing & Proposed for entire project site) _____
- ☐ Baseline for location of mitigation sections _____
- ☐ Satisfies mitigation requirements per Section 17-507 of the Ascension Parish Drainage Regulations _____
- ☐ Total amount of mitigatable cut/fill noted _____

O. MITIGATION SECTIONS:

- ☐ Subdivision name and filing number _____
- ☐ Name of engineer, signature, and seal _____
- ☐ Graphic Scale (1"= 20' plan; 1" = 2' profile) _____
- ☐ Natural Ground _____
- ☐ Finished Ground _____
- ☐ Show Base Flood Elevation (BFE) on section _____
- ☐ Baseline (as shown on Mitigation Plan) & station _____
- ☐ Show area of fill which needs to be mitigated on section _____
- ☐ Show area of cut which will compensate for mitigated fill on section _____

P. EROSION CONTROL PLAN (ONE FOR EACH PHASE OF CONSTRUCTION):

- ☐ Subdivision name and filing number _____
- ☐ Name of engineer, signature, and seal _____
- ☐ North arrow _____
- ☐ Graphic Scale _____
- ☐ Legend _____
- ☐ Maximum acceptable slopes (horizontal to vertical) for bank stability (Section 17-509-E):
  - ☐ Major Streams – 3:1 maximum, unless concrete lined in which 1.5:1 may be used _____
  - ☐ Detention Ponds – 3:1 max to a minimum of two feet below the normal pool; max slopes up to 1.5:1 used beyond two feet below normal pool with written certification from licensed Geotechnical Engineer stating slopes will be permanently stable _____
  - ☐ Open Ditches – 3:1 maximum _____
- ☐ Note: "This project will disturb ___ acres." _____
- ☐ Note: LPDES General Permit Required (check all applicable boxes) (Section 17-509): _____
  - ☐ "A Notice of Intent (NOI) shall be submitted to LADEQ by certified mail a minimum of 48 hours prior to the start of construction. A copy of this NOI shall also be sent to Ascension Parish DPW prior to the start of construction." (required for all sites > 5 acres) _____
  - ☐ "A Storm Water Pollution Prevention Plan (SWPPP) shall be developed, implemented, and maintained as per LPDES General Permit LAR100000 until a Notice of Termination (NOT) has been submitted to LDEQ. A copy of this SWPPP shall be submitted to Ascension Parish DPW prior to the start of

construction, and a copy of the NOT will be submitted at the finish of construction." (required for all sites > 5 acres) _____

- ☐ "A Storm Water Pollution Prevention Plan (SWPPP) shall be developed, implemented, and maintained as per LPDES General Permit LAR200000 until a completion report form (SCACR) has been submitted to LDEQ. A copy of this SWPPP shall be submitted to Ascension Parish Government (APG) DPW-Engineering prior to the start of construction, a copy of the SCACR will be submitted at the finish of construction." (required for all sites > 1 acre, but less than 5 acres) _____

☐ Controls & Details:

- ☐ Perimeter protection (such as silt fences) _____
- ☐ Inlet protection (such as sediment traps) _____
- ☐ Velocity dissipation (such as check dams in swales) _____
- ☐ Outlet protection (such as riprap) _____
- ☐ Concrete/mortar washout detail _____
- ☐ Construction exit and detail provided, or noted as per DOTD detail EC-01 _____
- ☐ Slope erosion control (such as hydromulching, flexible growth medium, or erosion control blankets with seeding, or similar products) _____

☐ Notes:

- ☐ A concrete washout shall be provided prior to any concrete or mortar work on site. These washouts will be for rinsing the concrete truck chutes; the washing out of the concrete drums will not be allowed on-site. A similar washout shall be provided for mortar or grout activities. _____
- ☐ All permanent and temporary seeding shall be in accordance with LADOTD seeding specification #717. _____
- ☐ All erosion control measures shall be in accordance with LDOTD Standard Plan EC-01, unless otherwise specified. _____
- ☐ All construction vehicles exiting the site shall use the construction exit. _____
- ☐ The escape of sediment from the site shall be prevented to the maximum extent practicable by the installation of erosion and sediment control measures and practices prior to, or concurrent with, land-disturbing activities. _____
- ☐ Erosion control measures will be maintained at all times. If full implementation of the approved plans does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat sediment migration. _____

II. SUBMITTAL

- ☐ Construction plans & construction plan checklist that is fully completed, signed, and dated by the Engineer.
- ☐ Internal pipe calculations
- ☐ Sewer treatment plant & pump station design calculations, drawings, and DHH package (as applicable)
- ☐ Any additional key drainage study items noted during preliminary approval
- ☐ Any revisions or updates to the Drainage Impact Study
- ☐ Copy of latest approved preliminary plat
- ☐ All items from the planning commission meeting minutes, the ERA preliminary plat review letter, and requirements from the approved preliminary plat are addressed in the construction plan submittal
- ☐ Copy of transmittal letter to State Department of Health & Hospitals during sewer plan submittal
- ☐ If proposed improvements are to be constructed in an existing utility, pipeline, etc. servitude or right-of-way, then documentation will be required. All agreements shall be reviewed and approved by the Ascension Parish Attorney.

Construction Plan Approval Process

1. The consulting engineer shall submit all applicable fees to the Ascension Parish Planning Department. Once the ERA has been notified that all fees have been paid, the first construction plan review may begin.

2. The consulting engineer will electronically submit construction plans, a completed construction plan checklist, and all supplementary items as noted in the submittal section above to the ERA and Ascension Parish Planning Department.

2. The ERA will review the construction plan submittal and notify the consulting engineer of the review comments via email.

3. Once the construction plans are approved, the ERA will stamp a signed notice of approval on the title sheet and the design engineer will seal, sign, and date each page of the scanned construction plans. The ERA will subsequently email a construction plan approval letter to the Ascension Parish Planning Department and consulting engineer. The design engineer should then contact the inspection department to schedule a pre-construction conference and email the ERA a digital copy of the sealed approved plans. Prior to beginning construction, the design engineer shall notify the Inspection Department in writing and email the start date of the project, the name of the construction company, and the name of the testing lab that will monitor the work. A copy of this notice shall be sent to the ERA.

4. A pre-construction conference date will be established by the Inspection Department and a construction permit will be issued at that conference. The construction plan final approval letter will state the amount of approved sealed and stamped plans the design engineer will be responsible for bringing to the pre-construction meeting. The consulting engineer will be responsible for notifying the testing lab and the contractor to make sure that they have a representative at the meeting. During the pre-construction conference, the subdivision construction process and requirements will be discussed.

ADDITIONAL COMMENTS:

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ERA Reviewer: _____ Date: _____