



**City of Dallas**

October 3, 2016

**THE DEVELOPMENT COMMUNITY**

**Re: Submittal Procedures for Paving and Drainage Plans**

The following submittal procedures should be followed for the review of drainage and paving plans by the City of Dallas, Sustainable Development and Construction Department, Engineering Division, 320 E. Jefferson, Room 200, Dallas, TX 75203:

- A \$1,500 review fee for the first two (2) design reviews of engineering plans is required.
- Submit 2 sets of full size plans (24 x 36)
- A \$500 review fee for each subsequent review is required after the first two design reviews of engineering plans; and
- A \$500 review fee is required for any design revision reviews needed after the plans are approved.
- All first plan submittals should be accompanied by the fee receipt form, the paving and drainage plan review checklist and the supplemental checklist. Checklists should be completed by the professional engineer in charge. Fees are submitted in Room 200.

Failure to present the required fees and completed checklist forms will result in the review of your plans being delayed.

Please see attachment for the inspection fee rates.

If you have any questions, please call the Engineering Division of the Department of Sustainable Development and Construction at 214 / 948-4205.

A handwritten signature in blue ink that reads "Lloyd Denman".

Lloyd Denman, P.E., CFM  
Assistant Director  
Department of Sustainable Development and Construction

LD//plan submittal.doc

Attachments

# Engineering File Submission Guidelines

## Paving and Drainage

Effective January 1, 2015



*The following are guidelines for submitting digital files of engineering plans approved through the paving and drainage review process. Guidelines for digital file submissions will be strictly enforced. Multiple project submittals on a single Disc will not be accepted. Any submittals not **complete** and in conformance to the specified guidelines will not be accepted and may result in the delay in the release of permits and construction.*

### 1. Media

- a. Submittals must be on a single CD or DVD, hereinafter called **Disc**.
- b. The Disc shall be labeled with **ALL** of the following information:
  - Name of the engineering consultant company submitting the plans
  - Project name
  - Assigned 311T- project number
  - City plat file number (S-number)
  - Mapsco Grid Location per Dallas County Appraisal District
  - Newly assigned address or if not available;
  - City Block number
  - Effective Date (seal date)
  - Notate if plans are Revisions to Final (RTF)

### 2. Disc Content

- a. The Disc shall contain **ALL** of the following data files in Portable Document Format (**PDF**):
  - Combined full set of approved engineering plans, complete with the most current version of the preliminary plat or, if approved, final plat.
  - Separated single PDF file of each approved engineering plan sheet.
  - Copy of the executed transmittal letter accompanying the submittal.

*Note: A compressed and self-extracting file type (.ZIP) is acceptable IF individual files are too large in size.*

### 3. File Naming Convention

Files of engineering plans and drawings shall utilize the following naming convention:

- Combined full set:  
**City assigned project number\_Project Name\_Final Full Set**  
*Example: 311T-3000\_City Park Apartments\_Final Full Set*
- Single and separated drawings:  
**City assigned project number\_Project Name\_Sheet Number\_Sheet Name**  
*Example: 311T-3000\_City Park Apartments\_C001\_Paving Plan*
- Revision to Final drawings:  
**City assigned project number\_Project Name\_Sheet Number\_Sheet Name\_RTF**  
*Example: 311T-3000\_City Park Apartments\_C001\_Paving Plan\_RTF*  
*If more than one RTF has occurred, please indicate which version it is, i.e. RTF2, RTF3*

Attachment II, File 311T-

# SUSTAINABLE DEVELOPMENT AND CONSTRUCTION ENGINEERING DIVISION

Fee Receipt

PROJECT NAME: \_\_\_\_\_ \*311T- \_\_\_\_\_

ENGINEERING FIRM: \_\_\_\_\_ BUS PH: \_\_\_\_\_ FAX: \_\_\_\_\_

ENG. NAME: \_\_\_\_\_ ENG. EMAIL: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

DEVELOPER FIRM: \_\_\_\_\_ BUS PH: \_\_\_\_\_ FAX: \_\_\_\_\_

DEV/OWNER NAME: \_\_\_\_\_ DEV/OWNER EMAIL: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

CITY PLAN FILE No. : \_S\_\_\_\_\_

<u>SUBMITTAL</u>	<u>DATE RECEIVED</u>	<u>CHECK LIST</u>	<u>FEE AMOUNT</u>	<u>PAID</u>	<u>RECEIPT NO.</u>
#1			\$1, 500.00		
#2			No Charge		
#3			\$500.00		
#4			\$500.00		
#5			\$500.00		
#6			\$500.00		
#7			\$500.00		
#8			\$500.00		
#9			\$500.00		
#10			\$500.00		

\*\* Area within heavy lines must be filled in before new projects are accepted.

\* The 311T number is assigned by the City upon receipt of fee payment.



City of Dallas

**Department of Sustainable Development and Construction  
Paving & Drainage Engineering  
Submission Guidelines & Plan Review Check List**

Project Name: \_\_\_\_\_

City Plan File # (Plat #): S \_\_\_\_\_ - \_\_\_\_\_

Zoning (or PD/SUP #, if applicable): \_\_\_\_\_

Engineering Consulting Firm: \_\_\_\_\_

Engineer-of-Record: \_\_\_\_\_, PE

Date: \_\_\_\_\_

**Plan Format, General Standards & Helpful Links**

- General Sheet Order for Plan Submission
  - Cover Sheet **(Always Required)**
  - Preliminary or Final Recorded Plat **(Always Required)**
  - Existing Conditions Plan / Topographic Survey **(Always Required)**
  - Demolition Plan
  - Site Layout or Dimension Control Plan **(Always Required)**
  - Paving Plan (& Profile, where applicable)
  - Grading Plan **(Always Required)**
  - Existing Drainage Area Map **(Always Required)**
  - Proposed Drainage Area Map **(Always Required)**
  - Storm Drain Plan (& Profile, where applicable)
  - Erosion Control Plan
  - Construction Details
- All plans should be printed on 24" x 36" size paper, landscape orientation, clear, legible, and to scale. Engineer scales: 1" = 10', 20', 30', 40', or 50'. Larger scales may be used for overall/indexing sheets. No Architectural Scales.  
Plan orientation should generally face north to the top or left-hand side of sheet.  
The following information should be included on **ALL** sheets:
  - Engineering Firm Name & Registration #, Address, and Phone Number
  - Engineer's Seal or preliminary statement as approved by the Board of Professional Engineers
  - Surveying Firm Name & Registration #, Address, and Phone Number
  - Developer's Name, Address, and Phone Number
  - Owner's Name, Address, and Phone Number
  - 311T-XXXX (file number will be assigned at time of submission)
  - Plat File#: S \_\_\_\_\_ - \_\_\_\_\_ (Has 6 numbers with a hyphen in the middle)

- Please refer to the information available on the following website to answer questions in the checklist below.
  - Paving Design Manual, Drainage Design Manual, Off-Street Parking and Driveways Handbook, 251D-1 Standard Construction Details - <http://dallascityhall.com/departments/sustainabledevelopment/Engineering/Pages/engineering-forms.aspx>
  - City of Dallas Zoning Website - <http://gis.dallascityhall.com/zoningweb/>
  - City of Dallas Thoroughfare Plan - <http://gis.dallascityhall.com/thoroughfare/>
  - City of Dallas Codes - <http://dallascityhall.com/government/Pages/city-codes.aspx>
  - City of Dallas Planned Development (PD) District Regulations - <http://www.dallascityattorney.com/COV.html>
  - Dallas Central Appraisal District - <http://www.dcad.org/>
  - FEMA Flood Map Service Center - <https://msc.fema.gov/portal>
  - NCTCOG Landfills - <http://nctcoggis.maps.arcgis.com/apps/webappviewer/index.html?id=984fb93ffc4b46c196c2430d9e5b6609>

**Engineering Check List**

1. Have plans been submitted to Water/Wastewater Engineering for review and approval?  
 \_\_\_\_\_ Yes  
 \_\_\_\_\_ No  
 \*\* Please note that Engineering plan review is divided into two separate sections: Paving/Drainage Engineering and Water/Wastewater Engineering. Each section has its own submittal requirements, review check lists and review fees. Contact (214) 948-4607 for additional information on Water/Wastewater Engineering submittal.
2. Is the property being platted?  
 \_\_\_\_\_ Yes – What is the Preliminary Plat number? S \_\_\_\_\_ - \_\_\_\_\_  
 \*\*Please note: If the property is being platted, a preliminary plat must be approved by City Plan Commission prior to the submittal of engineering plans, per the Dallas City Code, Section 51A-8.404(a).  
 \_\_\_\_\_ No – Property is already platted: S \_\_\_\_\_ - \_\_\_\_\_  
 \_\_\_\_\_ N/A – Property does not need to be platted because: \_\_\_\_\_  
 \_\_\_\_\_
3. Is the property being re-zoned?  
 \_\_\_\_\_ Yes – Zoning classification changed from \_\_\_\_\_ to \_\_\_\_\_  
 \*\*Please note: Re-zoning of property may result in required detention.  
 \_\_\_\_\_ No
4. Is there a PD or Specific Use Permit (SUP) related to this development?  
 \_\_\_\_\_ Yes – Submit highlighted sections of the conditions of the PD/SUP. List any conditions regarding sidewalks, paving and/or drainage: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_ No

5. Has any part of the site ever been used as a cemetery?  
 Yes – Additional conditions may need to be met prior to plan approval.  
 No
6. Has any part of the site ever been part of a “brown field” and/or a land-fill in the past?  
 Yes – Additional conditions may need to be met prior to plan approval.  
 No
7. Is any part of this development within the Escarpment Zone or Geologically Similar Area?  
 Yes – Escarpment Permit Approval Letter is attached.  
 Yes – Escarpment Permit is currently under review.  
 Yes – We are preparing to submit for Escarpment Permit.  
 No
8. Is an itemized breakdown with quantities of all proposed public paving and drainage infrastructure within City ROW and Easements included in this submittal?  
 Yes  
 No – Note: This is required prior to plan approval.  
 N/A
9. Is there any proposed construction activity or land disturbance within 150 feet of the toe of a levee?  
 Yes – Coordination with Trinity Watershed Management & US Army Corps of Engineers will be required.  
 No
10. Are any retaining/screening walls proposed?  
 Yes – Maximum vertical distance measured from the bottom of the footing to the top of the wall = \_\_\_\_\_ feet.  
 No
11. Is any proposed excavation or filling in excess of 5 feet?  
 Yes – Maximum depth of excavation = \_\_\_\_\_ feet.  
 Yes – Maximum depth of fill = \_\_\_\_\_ feet.  
 No  
 \*\*Please be sure to coordinate with Water/Wastewater Engineering Section if any proposed excavation or fill is over an existing water/wastewater main.
12. Are sidewalks shown on all street frontages? Per the Dallas City Code, sidewalks are required on all street frontages. Plans submitted for Paving/Drainage review must include the required sidewalks. The applicant may apply for a Sidewalk Waiver with Building Inspections when the Building Permit is submitted.  
 Yes  
 No – Sidewalk waiver has been obtained and a copy is attached.
13. Is on-street parking being proposed?  
 Yes – Design must be coordinated with the Department of Transportation.  
 No
14. Will an acre or more of soil be disturbed with this development?  
 Yes – Engineer should inform developer that a SWPPP must be submitted prior to obtaining any permits.  
 No

15. Is there a thoroughfare adjacent to the development, or within (passes through) the development? Please refer to the City of Dallas Thoroughfare Plan.
- \_\_\_\_\_ Yes, thoroughfare is adjacent. \*\*Please note that the developer is responsible for the design and construction of half of the width of the thoroughfare which abuts the proposed development if the length of the thoroughfare frontage is 1,000 feet or more.
- \_\_\_\_\_ Yes, thoroughfare passes within. \*\*Please note that the developer is responsible for the entire width of the thoroughfare within the limits of the proposed development.
- \_\_\_\_\_ No
16. Does this development comply with the International Fire Code?
- \_\_\_\_\_ Yes – I have read the code and verified that it complies.
- \_\_\_\_\_ No – Please explain: \_\_\_\_\_
- \*\* Please note: Where the vertical distance between the grade plane and the highest roof surface exceeds 30 feet, adjacent aerial fire apparatus access roads shall have a minimum unobstructed width of 26 feet. Otherwise, adjacent access roads shall have a minimum unobstructed width of 20 feet.
17. Is there any lot-to-lot drainage? Is the site currently accepting runoff from adjacent properties, or will the site be draining onto/through adjacent properties (regardless of current drainage pattern)?
- \_\_\_\_\_ Yes – Private Drainage Easements may be required.
- \_\_\_\_\_ No
18. Is any work proposed within areas designated as floodplain by FEMA and/or the City of Dallas, or in areas near unstudied streams/creeks?
- \_\_\_\_\_ Yes – A Fill/Alteration Permit may be required by Trinity Watershed Management. If already obtained, Fill Permit# \_\_\_\_\_
- \_\_\_\_\_ No
19. Is any work proposed within the Mill Creek hazardous drainage area?
- \_\_\_\_\_ Yes – FF Elevations must be a minimum of 3 feet above the top of curb elevation at the nearest downstream inlet.
- \_\_\_\_\_ No
20. Is any work proposed within the Peaks Branch hazardous drainage area?
- \_\_\_\_\_ Yes – FF Elevations are recommended to be a minimum of 3 feet above the top of curb elevation at the nearest downstream inlet.
- \_\_\_\_\_ No
21. Do all storm water outfall locations have the capacity to convey the 100-year storm?
- \_\_\_\_\_ Yes – Provide supporting drainage plans and calculations
- \_\_\_\_\_ No – Detention may be required
- \*\* It is the responsibility of the engineer of record to verify the capacity of existing storm sewer systems, swales/channels, street gutters, or any other public or private conveyances into which the proposed development will discharge storm runoff. If design plans or as-built plans are not on record or otherwise available, it may be necessary for the engineer of record to perform field verification of the location, size, slope, depth, etc. of these systems to determine their capacity.

22. Is any storm water runoff from the site being diverted from its existing outfall location into a new outfall?  
 \_\_\_\_\_ Yes – Please explain: \_\_\_\_\_  
 \_\_\_\_\_ No
23. Is any storm water runoff being discharged onto adjacent cities or other entities?  
 \_\_\_\_\_ Yes, onto another City – Please note: Detention may be required and the adjacent City must approve the plans.  
 \_\_\_\_\_ Yes, onto another Entity (e.g., TxDOT, DART, etc.) – Please note: Engineering plans must be reviewed and approved by that entity.  
 \_\_\_\_\_ No
24. Is there any proposed connection to the storm sewer system that would discharge anything other than rainfall runoff?  
 \_\_\_\_\_ Yes – Please explain: \_\_\_\_\_  
 \_\_\_\_\_ No
25. Is detention being proposed?  
 \_\_\_\_\_ Yes. **\*\*Please note: Detention must be located onsite, easements must be clear of obstructions and building encroachments, and adequate access must be provided for maintenance purposes via Detention Area Access Easement.**  
 \_\_\_\_\_ No

**Required Sheet Information**

- Cover Sheet
  - Project Name, Lot & Block Number/Legal Description
  - Sheet Index
  - Vicinity Map & Mapsco page number (as shown at [www.dcad.org](http://www.dcad.org))
  - \_\_\_\_\_ All information is clearly shown on the Cover Sheet.
  - \_\_\_\_\_ Some information is missing. Here is what’s missing and why:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
  
- Preliminary or Final Plat
  - When the City Plan Commission approves the Preliminary Plat, a conditional approval letter is issued and mailed to the owner and Surveyor. The Engineer should request a copy from the owner and:
    - Ensure that the surveyor has addressed all conditions on the Preliminary Plat that is being submitted with the engineering plans,
    - Ensure that all conditions are addressed on the engineering plans.
  
  - Right-of-Way dedications are clearly shown and dimensioned
  - Easement dedications are clearly shown and dimensioned
  - All existing easements are clearly shown and dimensioned



- Vicinity Map & Mapsco page number (as shown at [www.dcad.org](http://www.dcad.org))

\_\_\_\_\_ All information is clearly shown on the Plat

\_\_\_\_\_ Some information is missing. Here is what's missing and why:

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□ Existing Conditions Plan

- Show and label existing contour lines (with elevation labels) at one or two foot contour intervals referenced to sea-level datum.
- Show and label existing drive approaches, street frontage sidewalks & barrier-free ramps, street and onsite pavement material (e.g., concrete, asphalt, pavers, gravel, etc.), street pavement & right-of-way widths, on-street parking, street curb lines, bar-ditches, onsite buildings, vehicle circulation lanes, private drives, fire lanes, parking areas, landscape areas, fencing, retaining walls, and all public and private storm/water/wastewater/other utility infrastructure.
- Show, label, and dimension all existing easements.
- Show and label all existing signs, utilities, signal poles, parking meters, bike racks, newsracks, advertising kiosks, DART bench/shelter, etc. located within the right-of-way.
- Show and label all streams, creeks, drainage ways, and 100-year floodplain. In addition to FEMA overlays, show and label actual 100-year water surface elevations.

\_\_\_\_\_ All information is clearly shown on the Existing Conditions Plan.

\_\_\_\_\_ Some information is missing. Here is what's missing and why:

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□ Demolition Plan

- All items listed above under "Existing Conditions Plan" is either labeled: "Existing to Remain", "To be Removed", or "To be Relocated".

\_\_\_\_\_ All information is clearly shown on the Demolition Plan.

\_\_\_\_\_ Some information is missing. Here is what's missing and why:

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□ Site Layout or Dimension Control Plan

- Show and label proposed drive approaches, street frontage sidewalks & barrier-free ramps, onsite & offsite pavement material (e.g., concrete, asphalt, permeable pavers, etc.), street pavement & right-of-way widths, on-street parking, street curb lines, bar-ditches, onsite buildings, vehicle circulation lanes, private drives, fire lanes, parking areas, fencing, retaining walls, and landscape areas.

- Show and label all existing and proposed signs, utilities, signal poles, parking meters, bike racks, newsracks, advertising kiosks, DART bench/shelter, etc. located within the right-of-way.
- Show, label, and dimension visibility triangles at street intersections and drive approaches.

\_\_\_\_\_ All information is clearly shown on the Site Layout or Dimension Control Plan.

\_\_\_\_\_ Some information is missing. Here is what's missing and why:

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□ Paving Plan (& Profile, where applicable)

- All proposed work is clearly shown and labeled with a paving legend to distinguish between the different pavement specifications within the right-of-way and private property.
- Limits of new paving and adjustments to intersecting streets and drives are clearly defined by stations and dimensions, as necessary.
- Typical cross sections are shown and dimensioned for each proposed street/alley classification with station limits and centerline corrections.
- Station/top of curb (offset from centerline if not typical) for all PC's, PT's and midpoints of curb returns.
- A curve schedule should be provided for concentric and non-concentric curves.
- Check all drives, intersections and other locations involving cross traffic for possible hazardous situations. Watch for obstructed sight distance, hindrances to safe operation at design speed, danger to pedestrians, etc.
- Intermediate tangents have been designed between reverse curves based on the design speed along the centerline of the proposed streets.
- Complete vertical curve information is provided and meets minimum sight distance requirements for design speed.
- Existing and proposed water/wastewater lines are clearly shown and labeled when located under proposed pavement.
- Street lighting on divided thoroughfares is clearly shown and labeled.
- Type, thickness, strength, rebar size, and subgrade preparation of proposed pavement is shown and is in conformance with standards.
- Show cross-slope of street and driveway slopes into property. Slopes must comply with the Paving Design Manual.
- Sidewalks are clearly shown and labeled on all street frontages. Concrete thickness, strength, and rebar size is shown and is in conformance with standards.
- Show, label, and dimension visibility triangles at street intersections and drive approaches.

- Please note: Where the vertical distance between the grade plane and the highest roof surface exceeds 30 feet, adjacent aerial fire apparatus access roads shall have a minimum unobstructed width of 26 feet. Otherwise, adjacent access roads shall have a minimum unobstructed width of 20 feet.

\_\_\_\_\_ All information is clearly shown on the Paving Plan.

\_\_\_\_\_ Some information is missing. Here is what's missing and why:

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□ Grading Plan

- Existing onsite and offsite contour lines (with elevation labels) and proposed grades are clearly shown and labeled.
- Surface drainage easements are provided for lot-to-lot drainage paths.
- Typical cross sections for all retaining walls are provided. Show footings, utility crossings, wall heights, and distances to property lines.
- All utilities are clearly shown and labeled.
- Show and label all streams, creeks, drainage ways, and 100-year floodplain. In addition to FEMA overlays, show and label actual 100-year water surface elevations.

\_\_\_\_\_ All information is clearly shown on the Grading Plan.

\_\_\_\_\_ Some information is missing. Here is what's missing and why:

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□ Existing Drainage Area Map

- Existing onsite and offsite contour lines (with elevation labels), onsite and offsite subdivided drainage areas, and drainage area calculation tables are clearly shown.
- Indicate zoning for each drainage area.
- Existing inlets and storm drain lines are clearly shown and labeled.
- Existing onsite and offsite flow direction is clearly shown with directional flow arrows. Reference 311T-/421Q-file numbers.
- Show the design storm that the downstream storm drain system was designed for (e.g, 25-year storm, 100-year storm, etc.) and the drainage criteria that was used for that design.
- Show and label outfall locations.
- Show and label all streams, creeks, drainage ways, and 100-year floodplain. In addition to FEMA overlays, show and label actual 100-year water surface elevations.

\_\_\_\_\_ All information is clearly shown on the Existing Drainage Area Map.

\_\_\_\_\_ Some information is missing. Here is what's missing and why:

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□ Proposed Drainage Area Map

- Proposed onsite and offsite grades, onsite and offsite subdivided drainage areas, and drainage area calculation tables are clearly shown.
- Indicate zoning for each drainage area.
- Existing and proposed inlets and storm drain lines are clearly shown and labeled.
- Proposed onsite and existing offsite flow direction is clearly shown with directional flow arrows. Reference 311T-/421Q-file numbers.
- Show runoff calculations and use design criteria as shown in the Drainage Design Manual.
- Show and label outfall locations.
- Demonstrate, with supporting calculations, that there is adequate capacity downstream to convey the 100-year storm.
- Show and label all streams, creeks, drainage ways, and 100-year floodplain. In addition to FEMA overlays, show and label actual 100-year water surface elevations.

\_\_\_\_\_ All information is clearly shown on the Proposed Drainage Area Map.

\_\_\_\_\_ Some information is missing. Here is what's missing and why:

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□ Storm Drain Plan (& Profile, where applicable)

- Show a plan and profile for all proposed public storm drain lines. Pipe lengths are to be shown by stationing at each structure. Show pipe size, material, slope and class for each run. Show pipe inverts, discharge, velocity and friction slope. Show and label the hydraulic gradient.
- Show all hydraulics, velocity head changes, gradients, computations and profile outfalls with typical sections and computations.
- Specify at least Class III RCP. Provide inlets where street capacity is exceeded. Provide inlets where alley runoff exceeds intersecting street capacity. For thoroughfares, one lane must remain dry.
- Existing and proposed inlets and storm drain lines are clearly shown and labeled.
- Discharge storm drains at the flowline of creeks and channels with the last 10 feet at a grade not to exceed one percent, unless otherwise directed.
- Show the 100-year water surface elevation at the outfall of the storm drains.
- Where connections are made to an existing storm drain, provide the design data of existing system (Q100, HGL, inverts, diameter, etc.).
- Intersect laterals at 60 degrees with the trunk line, if possible. Where laterals tie into a trunk line, channel or creek, place them at 60-degree angle with center lines. Connect them so that longitudinal centers intersect.
- Indicate flow line elevations of the storm drains on the profile. Label the line grade (in percent). Match top inside of pipe where adjacent to other size pipe.
- Do not use high velocities in storm drain design. Refer to the Drainage Design Manual for maximum allowed velocities.
- The minimum pipe slope is 0.30% unless otherwise directed.

- The downstream system must be sized to adequately convey the fully developed runoff from the site.
- Provide a written statement certifying that you have analyzed the proposed storm drainage outfall effects on the adjoining property owner(s) and that your discharge will not adversely affect or jeopardize any downstream properties.
- Proposed driveway turnouts must be a minimum of 10 feet from any existing or proposed inlet.
- Do not use bends on public storm drain lines for pipe sizes less than 30-inch diameter.
- Do not use 90-degree bends on storm drains or outfall. Provide a junction structure or manhole.
- Show and label all streams, creeks, drainage ways, and 100-year floodplain. In addition to FEMA overlays, show and label actual 100-year water surface elevations.
- Drainage swales/channels should have cross sections with 100-year water surface elevation, slopes, side slopes, and velocity clearly shown and labeled.

\_\_\_\_\_ All information is clearly shown on the Storm Drain Plan.

\_\_\_\_\_ Some information is missing. Here is what's missing and why:

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□ Erosion Control Plan

- Existing contour lines (with elevation labels) and proposed grades are clearly shown and labeled.
- Design plans comply with all current rules and regulations of EPA, TCEQ, and other applicable federal and state agencies.

\_\_\_\_\_ All information is clearly shown on the Erosion Control Plan.

\_\_\_\_\_ Some information is missing. Here is what's missing and why:

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□ Construction Details

- All details are clearly labeled private or public.
- All applicable details from the City of Dallas 251D-1 Standard Construction Details should be clearly shown, labeled, and cross referenced on the plans.
- All details not covered by the City of Dallas 251D-1 Standard Construction Details are clearly shown, labeled, and dimensioned.
- All applicable details for work within the right-of-way of another entity (e.g., TxDOT, DART, etc.) are clearly shown, labeled, and cross referenced on the plans.

\_\_\_\_\_ All information is clearly shown on the Construction Details.

\_\_\_\_\_ Some information is missing. Here is what's missing and why:

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I have reviewed this check list and certify that the design plans submitted have been reviewed by me and are in compliance with all City of Dallas design standards. I understand that the City reserves the right to provide review comments at any time throughout the plan review process until all standards have been addressed.

\_\_\_\_\_, P.E.  
Print Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date