APPENDIX

I

CITY of DALLAS MISCELLANEOUS INFORMATION

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DEPARTMENT OF DEVELOPMENT SERVICES
ENGINEERING DIVISION
PLAN REVIEW CHECK LIST

ADDITION NAME: _____
SUBDIVISION PLAN # 311T-_____ PLANS PREPARED BY: _____
CITY PLAN FILE NO.: _____ P.D. NO., ZONING OR SUP NO.: _____
CHECKED BY ENGINEER: _____, P.E. DATE: _____
REVIEWED BY CITY: _____ DATE: _____

PART I – *i*SWM SITE PLAN

	ENG	CITY
A. PROJECT DESCRIPTION AND DESIGN CONSIDERATIONS		
1. Name, legal address, & telephone number of applicant		
2. Name, legal address, & telephone number of preparer		
3. Common address and legal description of site		
4. Vicinity map		
5. Discussion of *integrated* Site Design Practices being used		
6. Discussion of *integrated* Site Design Credits (Include Table 1.3.4-2)		
7. How will Water Quality Protection be addressed?		
8. Are Water Quality Volume Reduction Methods being used?		
9. How will Stream bank Protection be addressed?		
10. How will On-Site Flood Control Protection be addressed?		
11. How will Downstream Flood Control be addressed?		
12. Discussion of *integrated* Storm Water Controls		
13. Discussion of groundwater recharge considerations		
14. Discussion of hotspot land uses and runoff treatment		
B. EXISTING CONDITIONS HYDROLOGIC ANALYSIS		
1. Copy of applicable digital orthophoto showing proposed project boundaries		
2. Best available existing topography (no greater than 2-foot contours)		
3. Total Site Area and Total Impervious Area (acres)		
4. Benchmarks used for site control if available		
5. Perennial and intermittent streams		
6. Predominant soils from USDA soil surveys and/or on site soil borings		

	ENG	CITY
7. Boundaries of existing predominant vegetation		
Location and boundaries of natural feature protection and conservation areas such as wetlands, lakes, ponds, and other setbacks (e.g., stream buffers, drinking water well, septic system, etc.)		
8. Location of existing roads, buildings, parking, and other impervious areas		
9. Location of existing utilities (water, sewer, gas, electric) and easements		
10. Location of existing conveyance systems such as storm drains, inlets, catch basins, channels, swales, and areas of overland flow		
11. Flow paths		
12. Location of floodplain/floodway limits and relationship of site to upstream/downstream properties and drainages		
13. Location and dimensions of existing channels, bridges or culvert crossings		
14. Existing conditions hydrologic analysis for runoff rates, volumes, and velocities showing methodologies used and supporting calculations		
15. Are any hotspots located on the site, which may require special treatment and design consideration? (e.g., gas/fueling station, landfill, etc.)		

C. POST-DEVELOPMENT HYDROLOGIC ANALYSIS	ENG	CITY
1. Proposed conditions hydrologic analysis for runoff rates, volumes, and velocities showing the methodologies used and supporting calculations		
2. Final estimates of integrated Design Approach requirements		
3. Final calculation of credits for integrated Site Design Practices		
4. Location and boundary of proposed natural feature protection areas		
5. Stage-discharge or outlet rating curves and inflow/outflow hydrographs for storage facilities		
6. Dam safety and breach analysis, where necessary		

D. DOWNSTREAM ASSESSMENT	ENG	CITY
1. Determine any existing downstream drainage problems from City records		
2. Identify design points, including downstream extent of the assessment		
3. Show hydrology calculations for existing and proposed conditions		
4. Document existing and proposed conditions peak runoff, velocity, and flow timing for all applicable design storms		

E. STORM WATER MANAGEMENT SYSTEM DESIGN	ENG	CITY
1. Selection, location and size of proposed structural storm water controls		
2. Final sizing calculations for storm water controls including contributing drainage area, storage, and outlet configuration		
3. Limits of proposed clearing and grading		
4. Location of proposed roads, buildings, parking, and other impervious areas		
5. Location of proposed utilities (water, sewer, gas, electric) and easements		
6. Location and dimensions of proposed channels, bridges, and culverts		
7. Hydrologic and hydraulic analysis of the storm water management system for all applicable design storms		
8. Existing and proposed structural elevations (invert of pipes, manholes, etc.)		
9. Design water surface elevations		
10. Structural details and specifications of structural control designs, outlet structures, embankments, spillways, grade control structures, channels, etc		
11. Professional Engineer seal, signature and date		
12. Are any hotspots proposed on the site, which may require special treatment and design consideration? (e.g., gas/fueling station, landfill, etc.)		

F. SUPPLEMENTAL CHECK LIST	ENG	CITY
1. Is this property being platted? ☐ Yes ☐ No		
If Yes, Plat No. is S _____		
(A copy of the plat must be attached to the P&D plans)		
2. Is this property Re-Zoned or being re-zoned? ☐ Yes ☐ No		
(If yes, detention may be needed.)		
3. Is there any PD related to this development? ☐ Yes ☐ No		
4. Are there any particular conditions to the PD regarding paving and/or drainage? ☐ Yes ☐ No		
(If yes, give a description and a list of items)		
5. Has any part of this site ever been a cemetery? ☐ Yes ☐ No		
(If yes, some conditions may need to be met.)		
6. Has any part of this site ever been part of a "brown field" and/or a landfill in the past? ☐ Yes ☐ No		
(If yes, some conditions may need to be met.)		
7. Any of this development within Geologically Similar Area (GSA) and/or Escarpment? ☐ Yes ☐ No		
(Note: For Escarpment related projects, detention is required)		
(If yes, is detention shown?) ☐ Yes ☐ No		

	ENG	CITY
8. If the answer to #7 is yes, has an Escarpment permit been obtained? ☐ Yes ☐ No ☐ N/A		
9. Is the drainage runoff from the site or from any portion of the site being diverted? ☐ Yes ☐ No		

(Please note that diversion is not allowed.)

10. Is any part of the area of development being drained onto adjacent cities? ☐ Yes ☐ No		

(If yes, detention may be required and the adjacent City must approve the plans.)

(This approval must be obtained by the Engineer of Record.)

(A copy of the approval must be provided to the City of Dallas project engineer.)

11. Any lot-to-lot drainage? ☐ Yes ☐ No		

Note: Lot-to-lot drainage is not allowed, unless an off-site drainage easement is obtained from the downstream property owner and is recorded.

12. Is the development site currently accepting and drainage runoff from adjacent private properties? ☐ Yes ☐ No		
If yes, are the proposed grades such that the development site continues to receive the drainage runoff from the adjacent private properties? ☐ Yes ☐ No		
If yes, will there be a Drainage Easement dedicated? ☐ Yes ☐ No		

Note: To grade a development site such that existing drainage would be blocked is not allowed.

Note: Any private drainage easements must be filed by separate instrument and the recording information/documents must be provided to the City and must be shown on the plat and engineering plans. Public drainage easements can be dedicated as part of the platting process.

13. Is the drainage runoff from this development site currently being conveyed through the adjacent private property(ies) to the downstream? ☐ Yes ☐ No		
14. Any off-site drainage easements required? ☐ Yes ☐ No		
If yes, has the offsite easement been acquired? ☐ Yes ☐ No		
15. Are on-site drainage easements shown and dedicated? ☐ Yes ☐ No ☐ N/A		
16. Are there any walls proposed? ☐ Yes ☐ No		

If yes, maximum height of proposed walls is: _____ feet

The wall is in: ☐ Private property ☐ Public ROW

Note: All Walls (public or private) exceeding 4' in height require a permit from Building Inspection prior to construction.

	ENG	CITY
17. Is the wall designed in such a manner, which does not adversely impact drainage? ☐ Yes ☐ No ☐ N/A		
18. Any utilities crossing the wall? ☐ Yes ☐ No ☐ N/A		
19. Any utilities under the wall? ☐ Yes ☐ No ☐ N/A		
20. Is any work proposed within a flood plain? ☐ Yes ☐ No		
If yes, has there been a fill/alteration permit issued by Public Works? ☐ Yes ☐ No		
Status of LOMR letter? ☐ Obtained ☐ In Process ☐ N/A		
21. Any work within Mill Creek drainage basin? ☐ Yes ☐ No		
If yes, are the Finished Floor Elevations 3' higher than closest top of inlet elevation? ☐ Yes ☐ No		
22. Any work within Peaks Branch? ☐ Yes ☐ No		
If yes, any special design provisions?		
23. Have the plans been distributed to Utilities? ☐ Yes ☐ No		
Note: The engineer of the record must obtain "utility clearance" from all utilities, including DWU, prior to start of any construction.		
24. Is there any proposed "On-Street Parking" ? ☐ Yes ☐ No		
If yes, the design must be coordinated with Public Works.		
25. Does the minimum width of pavement(s) and right-of-way comply with the plat regulations? ☐ Yes ☐ No		
26. What is the age of the pavement? _____ years.		
The age determines the extent/type of trench repair and/or replacement of the roadway panel (see Ord.# 26263 dated 2/16/06 and the "Pavement Cut and Repair Standards Manual" by Public Works & Transportation.)		

Informational Addendum:

If the pavement is greater than 5 years old, refer to pages 16 – 19 of the Pavement Cut and Repair Standards Manual, which summarizes the extent of the repair area. The engineers should understand the diagrams. (Pages 30 – 34 of the Pavement Cut and Repair Standards Manual summarize the extent of the repair area for pavements 5 years old or less.)

Concrete

If the pavement is 5 years old or less, the transverse dimension of the repair area is no less than one lane width. The longitudinal dimension terminates either at a joint or the midpoint of a “panel” which ever is closest to the edge of cut.

Asphalt

If the pavement is 5 years old or less, the transverse dimension of the repair area is no less than one lane width (same as concrete). The longitudinal dimension terminates at a minimum 3 feet beyond the edge of the cut.

				ENG	CITY
27. Are the roadway panels going to be replaced?	☐ Yes	☐ No	☐ N/A		
28. Do all the streets have curbs?	☐ Yes	☐ No			

Note: If any driveway approach is proposed along a street where there is no curb, the Engineer of Record needs to contact the Street Dept. to obtain line and grade and size of pipe under the approach. A permit must also be secured from Building Inspection for the construction of the driveway approach.

29. If the answer to Question #28 is "No":					
Are Curbs Proposed?	☐ Yes	☐ No			
Are Sidewalks Proposed?	☐ Yes	☐ No			

Note: Unless a Sidewalk Waiver is applied for and approved, sidewalks must be constructed along all public and private streets. The proposed sidewalks must be barrier-free to the handicapped in accordance with the requirements of the ADA and the City.

30. Are any of the proposed sidewalks within the Central Business District (CBD)?	☐ Yes	☐ No	☐ N/A		
If the answer is Yes, does the proposed CBD sidewalk meet the requirements of the Dallas Business District Pedestrian Facilities Plan, as amended?	☐ Yes	☐ No			
31. Have you contacted Public Works & Transportation for "Signage"," Street Lighting", and "Striping" design?	☐ Yes	☐ No	☐ N/A		
It is the responsibility of the Engineer of Record to coordinate with the Department PW&T for "Street Lighting", "Stripes", and "Signage".					
32. Are there any thoroughfares on the Master Thoroughfare Plan, which might affect your development?	☐ Yes	☐ No			

I, the undersigned, am the Engineer of the Record for this project and certify that the information provided herein is correct to the best of my knowledge.

I understand and agree that the Chief Engineer will require that the infrastructure plans be resubmitted for review and approval if he determines that the check list contains incorrect information and the plans were approved based on incorrect information supplied. Additional fees for each subsequent submission may be required.

Signature: _____ Date: _____

Printed Name: _____

PART II – STORM DRAINAGE PLANS

	ENG	CITY
A. DRAINAGE AREA MAP (Show drainage district)		
1. Use 1"=200' scale for addition and 1"=400' for creeks offsite and show match lines between any two or more maps.		
2. Show existing and proposed storm drains and inlets. Show City of Dallas file number.		
3. Indicate sub areas for each alley, street and offsite area.		
4. Indicate contours on map for on and offsite.		
5. Use design criteria as shown in design manual.		
6. Indicate zoning on drainage area.		
7. Show points of concentration.		
8. Indicate runoff at all inlets, dead-end streets and alleys or to adjacent additions or acreage.		
9. Runoff calculations provided?		
10. For cumulative runoff, show calculations.		
11. Indicate all crests, sags and street and alley intersections with flow arrows.		
12. If time of concentration is different than Table 2, provide the calculation for inlet time and pipe travel time. For inlet time calculations, use the Schaake, Geyer, and Knapp formula given in Runoff Coefficients in the Rational Method, Technical Report No. 1, P. 29, as developed in the Council approved document Hydrology and Hydraulics of Flood Plain		
B. STORM DRAINS		
1. Show plan and profile of all storm drains.		
2. Specify at least Class III pipe.		
3. Provide inlets where street capacity is exceeded. Provide inlets where alley runoff exceeds intersecting street capacity.		
4. Indicate property lines along storm drain and show easements with dimensions.		
5. Indicate proposed ground line and improvements on all street, alley, and storm drain profiles.		
6. Show all hydraulics, velocity head changes, gradients, computations and profile outfall with typical section and computations.		
7. Show laterals on trunk profile with stations.		
8. Indicate size of inlet on plan view, lateral size and flow line, paving station and top of curb elevation.		
9. Indicate the runoff concentrating at all inlets and direction of flow. Show runoff for all stub out, pipes and intakes.		
10. Show future streets and grades where applicable.		
11. No 90 degree turns on storm drains or outfall. Provide junction structure or manhole (for small systems).		
12. Discharge storm drains at the flow line of creeks and channels with the last 10 feet at a grade not to exceed one percent, unless otherwise directed.		

	ENG	CITY
13. Show 100-year water surface at outfall of storm drain.		
14. Where fill is proposed or trench cut in creeks or outfall ditches, specified compacted fill.		
15. Use Type "Y" or Special "Y" inlets in ditches unless otherwise directed.		
16. Where connections are made to existing storm drain, show computations of existing system, when available.		
17. Show pipe sizes in plan and profile.		
18. Design for heavier pipes when crossing railroads, deep fill and heavy loads.		
19. Show details of all connection boxes, headwalls on storm drain, flumes or any other item not a standard detail.		
20. It is suggested that 21" laterals be used with 10' and 14' inlets, 18" laterals with 5' inlets and 21" lateral with Type "Y" inlets. Larger lateral sizes may be required for large discharges.		
21. Provide lateral profiles for laterals exceeding 12 feet in length.		
22. Provide headwalls for all storm drains at outfall except sumps.		
23. Intersect laterals at 60 degrees with trunk line, if possible.		
24. Provide curbing in alleys where the capacity is exceeded.		
25. Provide flat grade alleys and streets to discharge into streets.		
26. Check for curbing at all alley turns and "T" intersections. Flatten grades ahead of turns and intersections.		
27. Provide 1.5VT2/2g or 1 whichever is larger between the gutter of all proposed and existing inlets and hydraulic gradient of trunk line at the lateral connection where VT is the velocity in the trunk line just downstream of the lateral. Laterals longer than 80 feet require special analysis.		
28. Where inlets are placed in alley, provide curbing for 10' on each side of inlet and on other side of alley where the top of inlet elevation is even with high edge of alley pavement.		
29. Use standard curb inlets in streets and alleys. Use recessed inlets in divided streets. Do not use grate or curb and grate inlet unless other solution is not available.		
30. Provide 7 1/2" curb on alleys parallel to creek or channel on creek side of alley.		
31. Indicate flow line elevations of storm drains on profile, show percent grade. Match top inside of pipe where adjacent to other size pipe.		
32. Where laterals tie into trunk line, channel or creek, place at 60-degree angle with centerlines. Connect them so that the longitudinal centers intersect.		
33. Show curve data for all storm drains.		
34. Tie storm drain stationing with paving stations.		
35. Do not flow storm water from streets into alleys.		
36. On all dead-end streets and alleys, show grade out for drainage on the profiles and provide erosion control.		

	ENG	CITY
37. Specify concrete strength for all structures. The minimum allowed is 3000 P.S.I.		
38. Where quantities of runoff are shown on plan or profile, indicate storm frequency design.		
39. Flumes may be used in special cases only. Otherwise, use standard curb inlets and laterals.		
40. Provide sections for road, railroad and other ditches with profiles and hydraulic computations. Show design water surface on profile.		
41. Do not use high velocities in storm drain design. A maximum velocity of 10 fps at the outfall is recommended.		
42. Inlets must be located at sag points. Minimum size is 10-foot.		
43. The size of inlets must be as per Section 2.09 of the Storm Drainage Manual, not withstanding item 42 above.		
44. The minimum pipe slope is 0.30% unless otherwise directed.		
45. Outfall ditch must have adequate capacity to carry the discharge. Provide erosion control facilities with hydraulic data.		
46. When grate inlets have been specifically permitted by a manager of Private Development Activities, the following capacity criteria must be used in sizing: For standard city grates, a maximum of 2 cfs per grate and for grates equal to Neenah Type L City size grates, a maximum of 3 cfs per grate. Parking lot sags may allow greater capacities when approved by the manager of Private Development.		
47. Don't use bends for pipe sizes less than 30-inch diameter unless specifically authorized by the Division Engineer.		
48. Design Inlet Junction Structures with extra depth to prevent submergence of intake.		
49. Any offsite drainage work or discharge to downstream property will require a letter of permission or easements. Submit field notes for offsite easement that may be required.		
50. Provide written statement from principal certifying that your company has analyzed the proposed storm drainage outfall effects on the adjoining property owner and that your discharge will not adversely affect or place his property in jeopardy. Provide letter of acceptance from adjoining property owner if post development discharges exceed pre-development rates.		
51. Proposed driveway turnouts must be 10' from any existing or proposed inlet.		
52. Check for Escarpment Area restrictions. If in the escarpment, design in accordance with escarpment ordinance.		

C. BRIDGES	ENG	CITY
1. Clear the lowest member of the bridge by two feet above the design water surface unless otherwise directed by the City.		
2. Indicate borings on plans.		
3. Show bridge sections upstream and downstream.		
4. Provide hydraulic calculations on all sections.		
5. Provide structural details and calculations with dead load deflection diagram.		
6. Provide vertical and horizontal alignment.		

D. CREEKS AND CHANNELS		
1. Show stationing in plan and profile.		
2. Indicate flow line, banks, design water surface. Show hydraulic computations.		
3. Indicate rockline.		
4. Provide drainage area map and show all computations for runoff quantities.		
5. Provide cross-sections as directed by Storm Water Management.		
6. Provide vertical and horizontal alignment.		

E. DETENTION BASINS	ENG	CITY
1. Provide drainage area map and show all computations for runoff affecting the detention basin.		
2. Provide a plot plan with existing and proposed contours for the detention basin and plan for structural measures.		
3. Where earth embankment is proposed for Impoundment furnish a typical embankment section and specifications for fill; include profile for the structural outflow structure.		
4. Provide structural details and calculations for any item not a standard detail.		
5. Provide detention basin volume calculations and elevation vs. storage curve.		
6. Provide hydraulic calculations for outflow structure and elevation vs. discharge curve.		
7. Provide routings or Modified Rational (permitted for areas of 130) acres or less) determination of storage requirements demonstrating that critical duration is used.		

F. STORM WATER POLLUTION PREVENTION PLANS (SWP3) AND EROSION CONTROL PLAN(S) AS APPLICABLE

	ENG	CITY
1. Required elements specified in local ordinances		
2. Sequence/phasing of construction and temporary stabilization measures		
3. Temporary structures that will be permanent storm water controls		

The developer and the engineer are responsible for complying with all EPA rules and regulations, of EPA federal and state laws and regulations, and with all ordinances, rules, and regulations in preparation of SWP3.

Copies of the operator's and owner's NOI must be submitted to this office and the Storm Water Management Section of Public Works and Transportation Department.

G. LANDSCAPING PLAN

1. Arrangement of planted areas, natural areas, and other landscaped areas		
2. Information required to construct landscaping elements		
3. Descriptions and standards for the methods, materials, and vegetation		
4. City of Dallas Landscape Checklist, if applicable (Ordinance 22053)		

H. OPERATIONS AND MAINTENANCE PLAN

1. Name, Legal address and phone number of responsible parties for O&M		
2. Description and schedule of maintenance tasks		
3. Description of applicable easements		
4. Description of funding source		
5. Access and safety issues		
6. Procedures for testing and disposal of sediments, if required		
7. Expected service life of structures and estimated cost to replace		
8. Executed Maintenance Agreement(s), as required		

I. EVIDENCE OF ACQUISITION OF APPLICABLE FEDERAL, STATE, AND LOCAL PERMITS

1. USACE Regulatory Program permits		
2. 401/404 water quality certification		
3. TPDES Construction permit		

PART III – PAVING PLANS (USE DESIGN CRITERIA SPECIFIED IN DESIGN MANUAL)

	ENG	CITY
A. GENERAL		
1. North arrow shown on each sheet		
2. Bench marks shown on each sheet		
3. Title blocks		
a. Complete		
b. Title agrees with plat		
c. Sheets numbered		
d. Engineer's seal and signature		
4. Street names		
a. Street under design		
b. Intersecting streets		
5. P.D., or SUP or Rezoning (Provide appropriate documents)		
6. Plats		
a. Show City Plan File number on plat		
b. Show sight distance easements on alley intersection with streets.		
c. Corner clips are needed at street intersections.		
d. Make sure appropriate right-of-way for streets is dedicated as per zoning and thoroughfare plan.		
e. Check centerline radius. Is it appropriate for the design speed for the street.		
f. Show on site drainage easements on plat.		
g. Check cul-de-sac for minimum radius (50'). Cul-de-sac is not allowed if street is longer than 600'.		
h. If creek or floodplain is involved, Floodway Easement or Management Area and Floodway Monument Statements should be placed on plat		
i. The minimum fill and floor elevations must be specified when creek or floodplain is involved.		
j. Follow requirements of revised Development Code ordinance on platting. Escrow estimate for perimeter street work approved.		

B. COVER SHEET		
1. Provide plat with each submittal.		

C. SURVEY INFORMATION		
1. Complete survey data for construction.		
2. Centerline stationing shown and related to profile.		
3. Stationing shown on centerline.		

D. TOPOGRAPHY	ENG	CITY
1. Perimeter topography is sufficient for the design.		
2. Show any existing fences.		
3. Show location of all trees in close proximity to offsite work or easements.		
4. Intersecting streets. Type and width of pavement and walks. Show spot elevations in ditches or gutters sufficient distance to clarify drainage and transitions.		
5. Existing concrete paving clearly shown according to standard symbols and accurately dimensioned. Curbs and gutters dimensioned.		
6. Existing storm drains and inlets shown by standard symbols.		
7. Existing travel way shown.		

E. UTILITIES		
1. Show all existing facilities.		
2. Clarify status of existing facilities whether to remain in service, abandon, or remove and by whom.		
3. Add caution notes when construction operations will come close to any facility, giving telephone number of company to call for assistance in locating.		

F. STORM DRAINS		
1. Proposed storm inlets must be shown. Drainage pattern should be clear without having to refer to storm drain plans.		
2. For each inlet, show size, paving station at center, and top elevations.		

G. PLAN		
1. All proposed pavement, wide drives, etc., are properly dimensioned.		
2. Limits of new paving, adjustments to intersecting streets and drives clearly defined by stations and dimensions, as necessary.		
3. Drainage clarified by flow arrows, spot elevations in ditches and gutters, other notations.		
4. Traffic control items shown. Stripping, traffic buttons, and street signs must be provided by the developer.		
5. Show street lighting on divided thoroughfares. Coordinates with Street Lighting Section.		
6. Provide for barrier free ramps at intersections.		
7. Specify wall types, beginning, end, and top of elevations. Drainage behind walls handled? Show walls in profile. Provide design if modified or non-standard wall.		
8. Check all drives, intersections and other locations involving cross traffic for possibly hazardous situations. Watch for obstructed sight distance, hindrances to safe operation at design speed, danger to pedestrians, etc.		
9. Check transitions at ends of project and at intersections for safety, complete design, drainage, etc.		

H. PROFILES AND GRADES	ENG	CITY
1. Profiles plotted showing ground at proposed property lines.		
2. Top of curb grades should be below ground profiles. Check fill areas for drainage.		
3. Check cross-fall for compliance with standards. Provide adequate cross-fall to inlets on thoroughfare paving projects.		
4. Design thoroughfare to thoroughfare intersections to provide smooth grades		
5. Complete vertical curves information. Do vertical curves meet minimum sight distance requirements for design speed?		
6. Check carefully for any place water might pond. Are inlets located at sag points of vertical curves?		
7. Design horizontal curves to meet Paving Design Standards for the design speed.		
8. Check ends of project for drainage.		
9. Check that curb P.I.'s for intersecting streets are shown on profiles.		

I. TYPICAL SECTION		
1. Centerline dimensioned to property lines and curbs.		
2. Pavement slopes or crown specified.		
3. Slopes in parkway area, cut and fill slopes shown.		
4. Drive grades from gutter to property line and behind property line shown for thoroughfare paving projects involving existing access.		
5. Usual type and depth of existing pavement and base shown.		
6. Lime base if proposed, show lime content.		
7. Type and thickness of proposed pavement shown and in conformance with standards.		
8. Sidewalks (Show location and when it will be built).		

J. LEFT-TURN LANES AND MEDIAN MODIFICATIONS		
1. Driveways must be centered on median openings.		
2. Traffic buttons must be provided.		
3. Show median top of curb elevations at critical points on left-turn lanes. Check median cross-fall.		
4. Provide median pavement and monolithic median noses for left-turn lanes.		
5. Provide typical paving section for left-turn lanes.		
6. Show existing driveways and inlets on both sides of street at all proposed median openings.		
7. Submit plans to Street Lighting Section for comments and approval.		
8. Provide reverse curve median geometry in conformance with File 251D-1, Sheet 1001 for all left-turn transitions.		

K. STORM WATER POLLUTION PREVENTION PLANS (SWP3)
AND EROSION CONTROL PLAN(S) AS APPLICABLE

The developer and the engineer are responsible for complying with all EPA rules and regulations, federal and state laws and regulations, and with all ordinances, rules, and regulations in preparation of SWP3.

Copies of the operator's and owner's NOI must be submitted to this office and the Storm Water Management Section of Public Works and Transportation Department

I, the undersigned, am the Engineer of the Record for the project and certify that the information provided herein is correct to the best of my knowledge.

I understand and agree that the Chief Engineer will require that the infrastructure plans be resubmitted for review and approval if he determines that the check list contains incorrect information and the plans were approved based on incorrect information supplied. Additional fees for each subsequent submission may be required.

Signature: _____ Date: _____

Printed Name: _____

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