

Grading and Drainage Civil Plot Plan Checklist-Residential

	Project Name:			
		Date:		
Reviewed By: Phone: Date: Engineer: Phone:				
	ecklist is to offer comments on plan design for o olicy is City Code Chapter 32 and City of Phoer			
reviewers on plans for approval, issuing permi	o minimize redline comments on the check prints cuts, fill, drainage swales, drainage structures a its, and certain grading clearances depend on c necklist. The Arizona registrant of record shall s	and pipes, and retention areas. Plan ompliance with the comments made on the		
	must be attached to the plot plans when submiti must be signed by the Arizona Registrant of re- necklist have been met.			
	cycles and/or approvals are valid for 12 months Chapter 9, Appendix A.2) shall be charged for ex			
	CERTIFICATION			
STANDARDS, INCLUI ADDITION, I CERTIFY ARE PROPERLY ADD	REFERENCED PLANS COMPLY WITH ALL ADING FEDERAL, STATE AND COUNTY REQUITHAT THIS CHECKLIST HAS BEEN COMPLORESSED. I UNDERSTAND THAT IF I FAIL TO BE PLANS MAY BE IMMEDIATELY RETURNE FORMED.	JIREMENTS AND REGULATIONS. IN ETED ENSURING ALL ITEMS LISTED O ADDRESS ALL APPLICABLE ITEMS IN		
Arizona Registrant (Civ	ril or Architect):			
Arizona Registrant's Si	gnature:	Date:		
	klist and the check prints with your next submitta be directed to the plan reviewer listed above.	al. Discussion of redline comments on plans		
An Arizona Registrant ((REG) <u>must</u> fill out <u>all</u> boxes in the <u>first</u> column a	as either (Addressed) or N/A		
(Not Applicable).				
Civil plan reviewer (RV	/W) shall check the <u>second</u> column as X (Re	quired) when requirements have not been		
properly addressed.				
The following three (3	s) conditions must be met in order to submit	a Plot Plan:		

- 1. Vacant lot in a previously approved subdivision, infill lots (vacant lots in which the proposed site is surrounded by existing homes), accessory structure, or addition to an existing dwelling unit.
- 2. A permanent excavation of less than two feet in depth, a filling of earth of less than one foot in depth, or a filling of earth of less than 100 cubic yards.
- 3. Less than 0.5 acres, and not in a hillside or floodplain.

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For more information or for a copy of this publication in an alternate format, contact Planning & Development at (602) 262-7811 voice / (602) 534-5500 TTY.

If this lot is located within a Floodplain, is greater than 0.5 acres, is a custom home site, is a hillside lot with grading limitations, is a lot that will require retaining walls, a lot that contains a natural wash, drainage way, or protected by drainage easements, a Grading and Drainage single lot Plan will be required.

	REQUIRED SUBMITTALS
REG RVW	
1.□ □ Plan she (G&D) Plot pla	eets shall be 24" X 36" or 8 $\frac{1}{2}$ " X 11"; submit three (3) sets of the Grading and Drainage an.
	d drainage report or a drainage statement with drainage calculations may be substituted for no offsite flows (A separate drainage memo will be required to substantiate that the site is off-site flows).
3.☐ ☐ A compl	leted and signed Grading and Drainage (G&D) Plot Plan Checklist.
Note: If submitting thr required.	rough the Electronic Plan Review system, multiple copies of submittal documents are not
roquirou.	GENERAL REQUIREMENTS
	al plan sheets shall be sufficiently clear to allow legible prints to be reproduced from size of lettering and symbols shall be 1/8 inch minimum.
details, and ca Provide all ret and bottom el storm water re	uired, refer to the City of Phoenix Storm Drain Design Manual for drainage design policy, alculations showing retention volumes to be provided for the required on-site retention. ention calculations and storm event type on the plot plan. Show maximum side slopes, top evations, high water elevation, and the volume of each retention basin. The City of Phoenix etention requirement is for the 100 year/2 hour storm event unless otherwise authorized by & Development Department.
methodology t utilized to dev HEC-2 or othe	age reports should include hydrology parameters and assumptions and include for developing quantities. Also include computer runs from HEC-1 or other programs relop flows from contributing area. Storm water routing through channels should include or programs used to model the hydraulics including backwater computations. A disk with bould be furnished with your plan review submittal when a computer program is utilized in the
profes lie with	nage statement and memo may be used in lieu of a complete drainage study provided the ssional has determined there is no offsite flow impacting the site and the property does not hin a floodplain. The drainage statement must include the extreme outfall location and it is being provided.
4.□ □ Provid	de a drainage statement that includes the following:
REG RVV	V
a. 🗆 🗆 S	Site is in a Special Flood Hazard Area: 🔲 Y 🔲 N
b. 🗆 🗆 C	Offsite flows affect this site: ☐ Y ☐ N
c. 🗆 🗆 F	Retention provided is for the storm event.
d. 🗆 🗆 E	extreme storm outfalls the site at the elevation of
5.□ □ Provid	de a drainage memo for sites not impacted by offsite flows that includes the following:
ADMF	☐ Refer to the appropriate Area Drainage Master Plan that may be affecting the site. ☐ information can be obtained on Maricopa County's Flood Control District's website. ☐//gis.maricopa.gov/flo-2dmodels/map.html
	Existing site conditions (engineer's site visit)
	Distribution on estimated flows (peak flow based on per acre basis and peak flow from
	☐ Street capacity calculations (flow contained within the right-of-way and do not flow

e. f.	through the site) □ □ Reference any as-built information available □ □ Provide a conclusion			
REG RVW				
6. 🗆 🗀	If the property is flood irrigated:			
b. Pro ele	b. Provide the elevations at the high berm and along the berm at regular intervals (minimum finish floor elevation is 6" above top of high berm).			
7. 🗆 🗆	Sidewalks are required when:			
	50% of the lots on the same block on the same side of the street have existing sidewalks. The lot on either side the property has an existing sidewalk. The lot is located adjacent to an intersection. Provide the address, APN#'s and legal description of the site.			
9. 🗆	Provide a project description of all proposed work			
10. 🗆 🗎	Provide the total net sq. footage lot area and the disturbed area.			
11. 🗌 🔲 record	Provide the year the existing house was built. If the lot is vacant, list the year the plat was ed.			
12. 🗌 🗎	Provide the total building area under roof.			
13. 🗌 🗎	Provide the patio area in square feet. Show allowed/provided percentage.			
14. 🗆 🗎	Provide the total lot coverage. Show the allowed/provided percentage.			
	PLOT PLAN REQUIREMENTS			
1.□ □ a.	Indicate plan types: G&D Plot Plan			
2. 🗆	Provide the standard plan number, if applicable.			
3.□ □ City qu	Provide the appropriate processing numbers including: KIVA#, CPGD#, RPRC#, PRDV#, and larter section number in lower right corner.			
4.□ □ a.	Provide a north arrow and scale, 1" = 20', for the plot plan, unless it makes you unable to fit on an $8\frac{1}{2}$ " X 11" paper.			
5.□ □ require	Provide all retention calculations and storm event type. Show the location of all existing or etention basins.			
	Provide elevation datum and benchmarks (City datum required). Please dial (602) 495-2050 n 265 Voice or (602) 534-5500 TTY for existing benchmark closest to the project site. Equations acceptable.			
7.□ □ Engine 8.□ □	Finish floor elevation is to be noted on the plan and sealed by a licensed Arizona registrant (Civil eer or Architect). Finish floor elevation is required to be referenced to a City of Phoenix benchmark. Provide existing and proposed elevations at all lot corners.			
9.	Provide the type of curb along the property frontage. (6" vertical curb, roll curb, etc.) or edge of			
pavement if no curb.				

	☐ fro	ntag	rW Provide the low and high top of curb elevations and pavement crown elevations along the lot e. (Minimum finish floor elevation shall be 14" above the top of the low curb and 6" above the top high curb elevation or pavement crown)	
11.			Provide the elevation and location of the extreme storm outfall. Provide directional arrows that the storm water has an unobstructed path to the outfall location.	
12.			Provide the property boundary dimensions.	
13.			Provide the proposed or existing screen fence type, height, and location. (Note all weep hole as and provide detail)	
14.			Provide all building and zoning setback lines.	
15.			Show garage setback (18' minimum door from the back of sidewalk) or curb with no sidewalk.	
16.			Provide eave setback and roof overhangs (show overhang with dashed line).	
17.		□ mp.	Verify site is not in an eligible historical district, designated structure, etc. or provide the blue HP	
18.			Show cross-sections of side yards with positive flows to the street.	
19.			Show Pad elevations and FFE for all proposed buildings.	
20.	and	alle	Show all existing and proposed easements, dedications, right-of-way, streets, visibility triangles eys with dimensions and offsets. Streets shall be identified by name. Streets, alleys, and ents shall be dimensioned. Monument line of streets shall be shown.	
21.	and	l adj	Show existing utilities and drainage facilities, including private or S.R.V.W.U.A. irrigation within accent to the property boundaries shall be shown. Any work on Salt River Project irrigation systems SRP permit and approved plans. All utilities shall be dimensioned from street monument lines.	
22.			Show the location and size of the electrical service.	
23.			Provide a footprint of all accessory structures including swimming pools and equipment. If detached structure is livable , per building code, the FFE must meet current 6 inches of high curb and 14 inches above low curb requirement.	
NOTES FOR PLOT PLAN (To appear on cover sheet)				
1.□] rou	A finish floor elevation certificate shall be provided by the registrant, to the field inspector, prior to gh frame inspection.	
2.[] he C	The minimum finish floor elevation shown is safe from a 100 year flood of the minimum specified ity of Phoenix Storm Water Policies and Standards Manual.	
3.[]	A separate permit is required for any work in the City of Phoenix right-of-way.	

PLANS FOR REVISION

1. All original plan approvals, signatures, and seals are to remain on the revised plans.
2. All plans revised after the original approval shall be resubmitted for review and approval. The nature of the revisions must be called out on the cover sheet and on the sheet(s) which have been revised. The revision number itself shall consist of a numeral within a triangle next to each revision. Δ Changes on each plan sheet shall be highlighted with "clouding".
3. All revised sheets, including the cover sheet are to be re-sealed, signed and dated.
<u>EXTENSIONS</u>
1. All plan extensions must have prior approval by completing the Plan Review Extension Application. The Plan Review Extension Application can be found at the following site: http://www.phoenix.gov/development/siteandcivil/civil/ . Provide a copy of the approved application with the plan submittal.
2. Plan approvals for extension are valid for a period of 180 days from the date of plan approval.