

Grading and Drainage (G&D) Residential Single Lot Checklist

KIVA #:	Project Name:	
Reviewed By:	Phone:	Date:
Professional Engineer:	·	Phone:
	is to offer comments on plan design for on- policy is Phoenix City Code (PCC) Chapter 3 3.	
reviewers on plans for cuts, fi approval, issuing permits, and	nize redline comments on the check prints a ll, drainage swales, drainage structures and d certain grading clearances depend on con t. Professional Engineers of record shall sa	d pipes, and retention areas. Plan impliance with the comments made on the
	e attached to the G&D plans when submitte be signed by the Professional Engineer of r t have been met.	
	and/or approvals are valid for 12 months. <i>i</i> r 9, Appendix A.2) shall be charged for exte	
	CERTIFICATION	
STANDARDS, INCLUDING F ADDITION, I CERTIFY THAT ARE PROPERLY ADDRESS THIS CHECKLIST, THE PLA REVIEW BEING PERFORME		REMENTS AND REGULATIONS. IN FED ENSURING ALL ITEMS LISTED ADDRESS ALL APPLICABLE ITEMS IN
Professional Engineer's Nam	e:	
Professional Engineer's Signa	ature:	Date:
	nd the check prints with your next submittal. be directed to the plan reviewer listed abov	
Professional Engineer of reco (Not Applicable).	ord (ENG) <u>must</u> fill out <u>all</u> boxes in the <u>first</u> c	column as either 🗹 (Addressed) or N/A
Civil plan reviewer (RVW) sha properly addressed.	all check the <u>second</u> column as ☑ (Require	ed) when requirements have not been

For more information or for a copy of this publication in an alternate format, contact Planning & Development at (602) 262-7811 voice or TTY use 7-1-1.

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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 G&D Single Lot Plan will be required.

- NO	REQUIRED SUBMITTALS	
	G RVW ☐ Plan sheets shall be 24" X 36"; submit three (3) sets of G&D R	Residential Single Lot plans.
	A sealed and bound drainage report or a drainage statement v sheet and a drainage memo may be substituted for projects with	
	☐ A sealed and bound geotechnical report (required when one (or slopes with cuts or fills steeper than 1½:1 or retaining walls on top (surcharged) are included).	
	 One (1) set of paving plans, if applicable, and a completed and Checklist. 	d signed G&D Plan Residential Single Lot
	If retaining walls are required, provide structural drawings for a conditions on the plans, structural calculations for all wall heig plans. Special Geotechnical Inspection Certificate for soils, an for retaining wall construction.	hts including surcharge loads on the
	Cost Estimate if work in the right of way (R/W) or public easen	nent (G&D Combo)
	☐ Site Planning Approval Stamp.	
	☐ A Stormwater Post-Construction Control Operations & Mainter submitted if this project meets the requirements of the City's S PCC Chapters 32A, 32C, and the City's Stormwater Policies a	stormwater Post Construction Program per
	ete: If submitting through the Electronic Plan Review system, multiple quired.	copies of submittal documents are not
·	GENERAL REQUIREMENTS G RVW	
	Separate offsite plans with drainage facilities should be submi unless those details are shown on the grading plan.	tted with grading and drainage plans
	☐ Symbols shall be per Maricopa Association of Government (M	IAG) Specifications and Details.
	☐ A cover sheet is required on plans of more than two (2) sheets	5.
	All sheets shall have the Civil Engineer's Arizona registration s submittal.	seal and original signature prior to plan
	Original plan sheets shall be sufficiently clear to allow legible plettering numbers and symbols shall be 1/8 inch minimum.	orints to be reproduced. The size of
	☐ Cut and fill quantities, exclusive of street quantities. These sha	all be noted on the plan cover sheet.
	Refer to the City Storm Water Policies and Standards for drain calculations showing retention volumes to be provided for the retention calculations and storm event type on the cover sheet requirement is for the 100 year/2 hour storm event unless other Development Department.	required on-site retention. Provide all t. The City storm water retention
	Per Section 6.1.10.1 of the City Storm Water Policies and Star storm water storage facilities/basins with geometric depths greways to the channel or basin, and ramps into the channel or be 6.1.10.4 for access way ramp requirements). For engineered facilities/basins with geometric depths of three feet or shallower flatter along at least one side to allow for emergency or ordinal into the channel or basin are not required.	eater than three (3) feet deep, access asin, shall be required (see section channels or storm water storage er with a portion of side slope set at 6:1 or

Professional Engineer's Cost Estimate.

ENG	RV	W Per Section 6.8.8 of the City Storm Water Policies and Standards, the maximum depth of ponded water within any parking lot location shall be six (6) inches with the deeper portions confined to remote areas of parking lots, whenever possible. The minimum longitudinal slope permitted within parking lot storage
		facilities is 0.005 ft/ft, unless concrete valley gutters are provided. With concrete valley gutters, a minimum longitudinal slope of 0.002 ft/ft is permitted.
		A public Drainage Easement is required around the onsite retention area that is to retain the offsite flows when offsite flows are taken onto private property.
		A Drainage Report is required to be submitted for any projects that are impacted by offsite flows. If there are no offsite flows impacting the site a Drainage Statement and drainage calculations will be adequate on the cover sheet of the plans and a drainage memo. If a Drainage Report is required, please include the KIVA# and the CPGD# on the cover sheet of the report.
		Complex Drainage Reports (subdivisions, properties with washes, hillside properties, properties in floodplain, etc.) should include hydrology parameters and assumptions and include methodology for developing quantities. Also include computer runs from HEC-1 or other programs utilized to develop flows from contributing area. Storm water routing through channels should include HEC-2 or other programs used to model the hydraulics including backwater computations. A disk with input data should be furnished with your plan review submittal when a computer program is utilized in the design.
		Existing irrigation supply ditches and/or irrigation tail water ditches on this site, or in the R/W adjacent to this site, must be replaced with an underground pipeline, or abandoned subject to the approval of the irrigation company and/or downstream users. Limits of construction and scope of work shall be shown on the plan.
ENG	D\/	COVER SHEET REQUIREMENTS
		Provide a Blue Stake notification decal.
		Indicate plan types:
		ENG RVW ☐ G&D Plan ☐ G&D Plan with Offsite Improvements (combination) ☐ G&D Plan with Hillside (separate Hillside checklist and review required) ☐ G&D Plan with Preservation (separate Preservation checklist and review)
		Provide a project title block with name and address of project.
		Provide a project description.
		Provide a vicinity map with a north arrow.
		Provide an index of plan sheets if more than one plan sheet is included.
		Provide the Owner and Developer's name, address, and telephone number.
		Provide the Professional Engineer's name, address, and telephone number.
		Provide the address and legal description of project location.
		Provide the appropriate processing numbers including: KIVA#, CPGD#, RPRC#, and City quarter section number in lower right corner.
		Provide a legend identifying grades, symbols, lines, etc.
		Provide retaining walls unit length, for each height category (i.e., less than 3'4" and more than 3'4").
		Provide the offsite quantities if they are part of the Combination G&D Plan submittal, along with

ENG	RV\ □	W Provide all retention calculations and storm event type on Cover sheet.
		Provide a drainage statement that includes the following:
		ENG RVW Site is in a Special Flood Hazard Area (SFHA): Y N Offsite flows affect this site: Y N ADMP or N/A Retention provided is for the storm event. Extreme storm outfalls the site at the elevation of
		Provide a drainage memo for sites not impacted by offsite flows that includes the following: Refer to the appropriate Area Drainage Master Plan (ADMP) that may be affecting the site. ADMP information can be obtained on Maricopa County's Flood Control District's website. https://gis.maricopa.gov/flo-2dmodels/map.html Existing site conditions (professional engineer's site visit) Distribution on estimated flows (peak flow based on per acre basis and peak flow from Flo-2D, where available) Street capacity calculations (flow contained within the R/W and does not flow through the site) Reference any as-built information available Provide a conclusion
		Provide elevation datum and benchmarks (City datum required). Please call the Streets Department's Design and Construction Management Division at (602) 495-2050 Voice or TTY 7-1-1 for existing benchmark closest to the project site. Equations are not acceptable. Note on plans National Geodetic Vertical Datum (NGVD) 1929.
		Provide net lot area and disturbed area in both square feet and acres.
		Provide an As-Built Certification Statement as follows (include on the plans):
	ER N	AS-BUILT CERTIFICATION Y CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND
REGI	STE	RED ENGINEER/ LAND SURVEYOR DATE
REGI	STR	RATION NUMBER
		NOTES FOR GRADING AND DRAINAGE PLANS COVER SHEET (Grading and Drainage Notes City of Phoenix)
ENG	RV	w
		A grading permit is required under PCC Chapter 32A.
		When haul permits are required, they must be obtained prior to or concurrently with the G&D permit.
		Excavating Contractor must give location for wasting excess excavation <u>and</u> a letter from Owner giving permission for dumping prior to starting on-site construction. If excess excavation exceeds 100 cubic yards, the disposal site will also require a G&D permit.
		Planning & Development Department Field Inspection Group shall be notified 48 hours before any on-site and/or off-site construction begins, telephone (602) 262-7811 or 7-1-1 (TTY).
		Staking finish floor elevations is the responsibility of the Owner and his Professional Engineer. The Owner's Professional Engineer shall submit three (3) sealed copies of this G&D Plan designated as "Record Drawing" (bearing an original signature) prior to the request for final inspection.

work.

		ENG RV	W
			Include the note(s) below that are applicable (minimum of one (1) required: Certification of finish floor elevation is mandatory if structure is located in a floodplain or other critical drainage area. Use the AS-BUILT CERTIFICATION, plus
			A Federal Emergency Management Agency (FEMA) "Elevation Certificate" must be completed for each structure constructed in a SFHA prior to an Electrical Clearance for that structure. One (1) copy of the "Elevation Certificate" is to be submitted to the General Building Safety Inspector on site and one copy is to be submitted to the City Flood Plain Manager. In addition, specify the name, address, and telephone number of the Arizona Registered Engineer or Land Surveyor responsible for providing certification.
ENG	RV	W	
		A separat	e permit is necessary for any offsite construction.
			ved G&D Plan shall be on the job site at all times. Deviations from the plan must be preceded roved plan revision.
		plan, inclu	approval includes the construction of all surface improvements shown on the approved uding, but not limited to, retention areas, sedimentation basins, and/or other drainage drainage patterns, walls, curbs, asphalt pavement, and building floor elevation.
		contractor basins, the	nown in retention basins are design finished grades. Should the contractor or any sub- replan to place spoil dirt from footings, utility trenches, landscaping, swimming pools, etc. in the e basins should be sufficiently over-excavated during the rough grading operation to allow for ment of the fill or landscaping materials.
		proposed contractor	r is responsible for locating and confirming depths of all the existing utility lines within retention basin areas. If the basin cannot be constructed per plan because of conflicts, the should discuss modification of basin configuration with the City Inspector to determine if a ion or a field change is required.
		walls, con	ge protective devices such as swales, interceptor ditches, pipes, protective berms, barrier crete channels, or other measures designed to protect adjacent buildings or property from off must be completed prior to building construction.
		facilities si stabilization must be re consideration	on 6.8.7 of the Storm Water Policies and Standards, side slopes of storm water storage hall be no steeper than 5:1 for irrigated grass areas and 3:1 for landscape areas. Slope on measures are required for all slopes greater than 5:1. The slope stabilization measures readily maintainable using common maintenance equipment and be designed with tion to aesthetics. The slope stabilization measures shall be consistent with commonly used ng practices. Un-stabilized decomposed granite is not allowed on slopes greater than 5:1.
		Inspection accordance	ng walls are to be reviewed, permitted, and inspected by the Residential Plan Review and Branch of the Planning & Development Department. All retaining wall are to be in see with Section 703 of the Zoning Ordinance and Section 32-32 of the Subdivision Ordinance cowall height requirements. Note: Use permit for is required for all over-height retaining walls.
		City Supp	must meet 2010 Americans with Disabilities Act (ADA) Standards for Accessible Design and lement to MAG Uniform Standard Specifications and Details; 2% max cross slopes and 1:12 tudinal slopes.
			e of Occupancy (C of O) and/or final electrical clearance for any building is denied until all nd drainage improvements are completed.
			or newly damaged and/or displaced concrete curb, gutter, sidewalk, or driveway slab that is R/W shall be repaired or replaced, as noted by City inspectors, before final acceptance of the

ENG	RV	w
		The Engineering Design on these plans is only approved by the City in scope and not in detail. Construction quantities on these plans are not verified by the City. Approval of these plans are for permit purposes only and shall not prevent the City from requiring correction of errors in the plans where such errors are subsequently found to be in violation of any law, ordinance, health, safety, or other design issues.
		The City Police Department enforces laws regulating the operation of commercial vehicles. This includes enforcement of federal, state, county and local laws and ordinances. Questions regarding Commercial Vehicle Enforcement may be directed to the Commercial Vehicle Enforcement Supervisor at (602) 495-7813 (Traffic Bureau South) or (602) 495-6784 (Traffic Bureau North) or 7-1-1 (TTY)
		Plan approval is valid for 12 months. Prior to plan approval expiration, all associated permits shall be purchased or the plans shall be resubmitted for extension of plan approval. The expiration, extension, and reinstatement of Civil Engineering plans and permits shall follow the same guidelines as those indicated in the Phoenix Building Construction Code Administrative Provisions Section 105.3 for Building permits.
		The following notes shall be shown on the cover sheet of combination G&D and Offsite Improvement Plans:
ENG	RV	
		Construction within the R/W shall conform to the latest applicable MAG Uniform Standard Specifications and Details and the latest City Supplement to the MAG Uniform Standard Specifications and Details.
		Compaction shall comply with MAG Section 601.
		Obstructions to proposed improvements in the R/W shall be removed or relocated before beginning construction of the proposed improvements.
		The actual point of pavement matching and/or termination shall be determined in the field by the City Planning & Development Department field inspector.
		Pavement replacement thickness and type are to be per MAG Section 336 and City Detail P1200 -Type B. Curb and gutter replacement shall be a minimum of one (1) full section, per MAG Standard Detail 220. Sidewalk replacement shall be a minimum of one (1) full panel per City Detail P1230.
		Trees and shrubbery in the R/W that conflict with proposed improvements shall not be removed without approval of the City Landscape Architect or their designee. The permittee shall be responsible for obtaining authorization to remove and/or relocate said trees or shrubbery by calling the Streets Transportation Department's Horticulturalist at (602) 534-9898.
		Per the Street Pavement Cut Policy (TRT 00164) and City ordinance G-6308, all street pavement cuts will require asphalt resurfacing treatments based on the age of the pavement. For streets less than two (2) years old, the permittee must apply an asphalt mill and overlay pavement treatment. For streets greater than two (2) years old, the permittee must apply a slurry seal and/or microseal treatment.
		Optional Note, Channel Diversion:
		Construction must be phased so the newly aligned channel is fully operational before the existing drainage channel is filled. Flood water conveyance must be maintained at all times during construction.
		Additional Notes (required when using HDPE Pipe in R/W):
		All HDPE storm drain pipe shall be manufactured, designed and installed in accordance with American Association of State Highway and Transportation Officials (AASHTO) M252, AASHTO M294, MAG and

City Supplements to MAG and these special provisions.

ENG	RV	w
		All HDPE storm drain pipe shall be Type `S' corrugated, with watertight joints. HDPE pipe shall not be allowed within a minimum of 24 linear feet of an open outfall or public R/W. The outfall section of storm drain pipe shall be concrete or concrete-lined as shown on the plans.
		At a minimum, all HDPE storm drain pipe joints shall meet the American Society for Testing and Materials (ASTM) D-3212 watertight requirement of 10.8. psi (25 column feet of water head).
		The contractor shall provide a copy of an accepted independent 3rd party lab certification that all the pipe and joints to be used on the project meet the ASTM D-3212 watertight standard.
		All HDPE pipe connections to manholes shall meet ASTM C-923 requirements.
		The following notes are required on Grading & Drainage (G&D) plans when special preservation or hillside issues are involved:
		Before grading in areas containing native desert vegetation, the Contractor must obtain a permit from Arizona Department of Agriculture. For information, phone (602) 542-3578.
		If property is adjacent to the Phoenix Mountain Preserve, no disturbance of preserve property for access, grading, or other construction purposes will be allowed. The contractor is required to delineate the Mountain Preserve boundary with a temporary fence or other acceptable methods.
		If site has special preservation or hillside issues the grading plan must show all landscape preservation easements, construction fencing locations, and appropriate areas labeled. Prior to any clearing, grubbing, or grading operations, construction fencing shall be shown on approved plans, permitted and inspected and salvage operations permitted, inspected, and completed.
		PLAN SHEET REQUIREMENTS
ENG	RV	
ENG	RV	
ENG	RV	w
ENG	RV	Provide the Civil Engineer's Arizona seal and original signature (on each sheet).
ENG	RV	Provide the Civil Engineer's Arizona seal and original signature (on each sheet). Scale selected for each sheet. One (1) inch equals 40 feet (maximum) for all projects. Existing contours or spot elevations, drainage arrows and grade breaks to indicate drainage patterns.
ENG	RV	Provide the Civil Engineer's Arizona seal and original signature (on each sheet). Scale selected for each sheet. One (1) inch equals 40 feet (maximum) for all projects. Existing contours or spot elevations, drainage arrows and grade breaks to indicate drainage patterns. Also indicate all 100-year flows from contributing offsite drainage areas. Show existing and proposed top of curb, gutter, and sidewalk elevations (both sides) and pavement crown elevations along project frontage at extension of lot lines or every 100' (whichever is less). Per City Storm Water Policies and Standards Section 3.5.3.2- finished floor elevations (FFE) must be six (6)
ENG	RV	Provide the Civil Engineer's Arizona seal and original signature (on each sheet). Scale selected for each sheet. One (1) inch equals 40 feet (maximum) for all projects. Existing contours or spot elevations, drainage arrows and grade breaks to indicate drainage patterns. Also indicate all 100-year flows from contributing offsite drainage areas. Show existing and proposed top of curb, gutter, and sidewalk elevations (both sides) and pavement crown elevations along project frontage at extension of lot lines or every 100' (whichever is less). Per City Storm Water Policies and Standards Section 3.5.3.2- finished floor elevations (FFE) must be six (6) inches above high curb and 14 inches above low curb.
ENG	RV	Provide the Civil Engineer's Arizona seal and original signature (on each sheet). Scale selected for each sheet. One (1) inch equals 40 feet (maximum) for all projects. Existing contours or spot elevations, drainage arrows and grade breaks to indicate drainage patterns. Also indicate all 100-year flows from contributing offsite drainage areas. Show existing and proposed top of curb, gutter, and sidewalk elevations (both sides) and pavement crown elevations along project frontage at extension of lot lines or every 100' (whichever is less). Per City Storm Water Policies and Standards Section 3.5.3.2- finished floor elevations (FFE) must be six (6) inches above high curb and 14 inches above low curb. Show and label low curb and high curb elevations.
ENG	RV	Provide the Civil Engineer's Arizona seal and original signature (on each sheet). Scale selected for each sheet. One (1) inch equals 40 feet (maximum) for all projects. Existing contours or spot elevations, drainage arrows and grade breaks to indicate drainage patterns. Also indicate all 100-year flows from contributing offsite drainage areas. Show existing and proposed top of curb, gutter, and sidewalk elevations (both sides) and pavement crown elevations along project frontage at extension of lot lines or every 100' (whichever is less). Per City Storm Water Policies and Standards Section 3.5.3.2- finished floor elevations (FFE) must be six (6) inches above high curb and 14 inches above low curb. Show and label low curb and high curb elevations. Provide spot elevations every 100' on adjacent properties sufficient to depict existing conditions affecting drainage of property to be filled. Usually, 50 feet beyond property line will be sufficient.

ENG	RV	W
		Show all existing and proposed easements, dedications, R/W, streets, and alleys with dimensions and offsets. Streets shall be identified by name. Streets, alleys, and easements shall be dimensioned at least once and at all breaks. Monument line of streets shall be shown.
		All abutting lots shall be identified by lot #, APN#'s, tract, and subdivision or show as un-subdivided.
		Dimension all property boundaries, both perimeter and interior lines.
		All proposed and existing utilities, structures, paving and other topographic features affected by construction shall be shown and dimensioned from monument line.
		Verify site is not in a historical district or provide blue Historic Preservation (HP) stamped plan sets.
		Show pad elevation and FFE for all proposed buildings.
		The proposed grading should be designed with slopes, swales and topographic features which match the natural grade and boundary area to minimize erosion and sediment migration on to City streets or neighboring properties while providing positive flows to the retention areas.
		Grading Plans showing existing natural washes shall also show existing conditions including line and grade of the wash flow line at 50 ft. intervals. Show distances between banks and elevations at 50 ft. intervals. Show cross sections every 100 feet and 100-yr High Water Elevation (HWE).
		Show the Extreme Storm Outfall and label it with an elevation.
		Show side slopes, bottom elevation, high water elevation, outfall elevation, location and direction of overflow, volume provided, and volume required for all retention/detention basins.
		Show all proposed retaining walls. Include the length, height, top of retaining wall elevation, and top of footing elevation for each section of retaining wall. The design and structural calculations for all retaining walls shall be reviewed, approved, and permitted based on the G&D plans; and the inspected by the Residential Section of the Planning & Development Department. Refer to Section 703 of the Zoning Ordinance and Section 32-32 of the Subdivision Ordinance for specific wall height requirements. Use permit for over-height retaining walls must be obtained prior to approval of the Grading and Drainage Plan. Note: RETAINING WALLS REQUIRE A SEPARATE PERMIT.
		OTHER REQUIREMENTS WHEN APPLICABLE
ENG	RV	w
		A pavement cut surcharge will be assessed on this project for trenching in new asphalt pavement. This fee will be assessed in addition to the regular permit fees and is over and above any special backfill, compaction, and pavement replacement stipulations that may be imposed as a condition of permitting. Surcharge affects streets newly paved and newly overlaid within the past 30 months.
		Delineate the limits of any 100-year designated floodplain and include applicable 100-year water surface elevation lines which traverse the project site.
		Hauls greater than 10,000 cubic yards require a permit and approved haul route prior to issuance of G&D permit.
		When located within a SFHA it is the responsibility of the applicant to coordinate their permit application with the Street Transportation Department's Floodplain Management Division. The SFHA submittal must include G&D plans sealed by a civil engineer licensed by the State of Arizona, a completed Floodplain Clearance Form, the base flood elevation (BFE), finish floor elevation of the existing structure and proposed structure(s) and total project valuation. The total project valuation must be based on the full replacement cost.

ENG	RV	W
		Contact Fire Department Plan reviewer if proposed structures are greater than 350' from a fire hydrant.
		Verify building setbacks and encroachments are approved by Zoning via Site Plan.
		New Dry Well Installation Checklist
ENG	RV	w
		Dry wells are not required to be shown on the plan set for retention basins with required computed depths of less than one (1) foot (basin outfall elevation – bottom elevation).
		Dry well is to be set at least 100 feet from any surrounding water production well, underground storage tank, or fuel loading area.
		Dry well is not to be constructed in any area where hazardous or toxic materials are stored or handled.
		Dry well is not to be located in any area where an accidental spill of hazardous or toxic liquid would drain into the dry well.
		Dry well is not to be located at a loading dock where hazardous substances are handled.
		Dry well is not to be located within any groundwater saturated zones.
		Dry well shall dispose of Storm water run-off only.
		 The following notes are required on G&D plans when a dry well is to be installed: The owner/developer shall be responsible for registering the dry wells shown on the G&D plan with the Arizona Department of Environmental Quality (ADEQ.). For information about specific requirements, contact the Water Permits Unit at (602) 771-1400.
		 Dry wells must be drilled a minimum of 10 feet into permeable porous strata or percolation tests will be required. The G&D inspector must be present before backfill or well pipes are placed within any dry wells.
		• The owner/developer is responsible for installing drywell(s) should the retention basins fail to drain within 36 hours.
		Dry well detail and specifications need to be shown on G&D plans.
		Grate elevation for the dry well needs to be shown on G&D plan at minimum of 0.3 feet above bottom of retention basin (allows for silting). For bleed-off to City storm drain system the grate needs to be 0.75 feet above bottom of basin.
ENC	D\/	PLANS FOR REVISION
ENG	ΚV	vv
		All original plan approvals, signatures, and seals are to remain on the revised plans.
		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 Δ next to each revision. Changes on each plan sheet shall be-specifically outlined with "clouding".
		All revised sheets, including the cover sheet are to be re-sealed, signed and dated.

		<u>EXTENSIONS</u>
ENG	RV	W
		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: Provide a copy of the approved application with the plan submittal.
		Plan approvals for extension are valid for a period of 12 months from the date of plan approval.