

TUCSON WATER-NEW DEVELOPMENT (Effective Date: Feb 3, 2020)

FIRST DESIGN REVIEW - WATER PLAN CHECKLIST

(INCOMPLETE SUBMITTALS WILL NOT BE ACCEPTED)

Checklist filled out by: _____ **Signature:** _____

PROJECT NAME: _____ Sec. _____, T _____ S, R _____ E
(Including PHASE#, If applicable)

DESIGNER: _____ **FIRM:** _____ **DATE:** _____

Do you request a copy of the as-built? Yes No _____ County C.O.T.

<u>ITEMS TO BE SUBMITTED WITH PLAN</u>			
VERIFIED	ITEM	VERIFIED	ITEM
	1. CURRENT COPY OF PLAN WITH ENGINEER'S STAMP		5. <u>SELECT AT LEAST ONE:</u> _____ FINAL PLAT, RECORDED OR NOT _____ RECORD OF SURVEY _____ RECORDED LEGAL DESCRIPTION REFLECTING CURRENT PROPERTY LIMITS (FULL-SIZE: 24"X36")
	2. APPROVED MASTER PLAN REDLINES WITH TUCSON WATER COMMENTS (Originals)		6. IMPROVEMENT PLANS, SITE DEVELOPMENT <u>AND</u> LANDSCAPE PLANS (FULL-SIZE: 24"X36")
	3. NEW UNRECORDED EASEMENT DESCRIPTIONS WITH CURRENT TITLE REPORT (2 MONTH OLD MAXIMUM) <u>AND</u> ANY RECORDED LEGAL DESCRIPTIONS FOR EXISTING EASEMENTS		7. UNDERGROUND ELECTRIC LAYOUT (FULL-SIZE)
	4. ITEMIZED "COST ESTIMATE & MATERIAL TAKEOFF" WITH PLAN NAME REFERENCED.		8. DESIGN REVIEW FEE (CHECK, CREDIT CARD) VERIFY THE CORRECT AMOUNT

<u>DRAFTING REQUIREMENTS</u> (COMMERCIAL AND RESIDENTIAL)	
VERIFIED <input checked="" type="checkbox"/> or Initial)	ALL SHEETS
	1. PLAN SIZE <u>MUST BE</u> 24" X 36", TUCSON WATER-NEW DEVELOPMENT FORMAT (STANDARD TITLE BLOCK, CURRENT TW LOGO & AS-BUILT BLOCK & BLUE STAKE LOGO) (<u>SUBMIT ONE COPY</u>)
	2. <u>ALL LETTERING AND SYMBOL SIZE: 1/8" MINIMUM HEIGHT AND LEGIBLE</u>
	3. TW NORTH ARROW AND SCALE, (<u>LOCATED IN THE UPPER RIGHT CORNER OF EACH PLAN SHEET.</u>)
VERIFIED <input checked="" type="checkbox"/> or Initial)	COVER SHEET
	4. <u>STANDARD LOCATION MAP:</u> -C.O.T. WARD OR COUNTY SUPERVISOR DISTRICT IDENTIFIED -LATITUDE AND LONGITUDE (SOURCE OF DATA) -TOWNSHIP & RANGE, & SECTION (<u>ALL INFORMATION PLACED UNDER LOCATION MAP</u>)
	5. GENERAL NOTES AND LEGEND (<u>SYMBOLS ON LEGEND MUST MATCH WHAT IS ON PLAN</u>)
	6. ALL SHEET MATCH LINES, MAIN SIZES, AND ZONES TO BE CALLED OUT ON WATER PLAN.
	7. IT WILL REFLECT INTERIOR SHEETS AND SHOWS ALL ELEMENTS OF THE WATER SYSTEM (<u>DO NOT INCLUDE WATER SERVICES</u>)
	8. BASIS OF BEARING, STATION MONUMENTS (TWO) AND BASIS OF ELEVATION (NAVD 88 DATUM)
	9. OWNER AND DEVELOPER INFORMATION. CONSULTANT'S LOGO
	10. RESPONSIBLE PARTY FOR FIRE SERVICE BILLING IDENTIFIED

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DESIGN REQUIREMENTS (COMMERCIAL AND RESIDENTIAL)	
VERIFIED ✓ or Initial)	ALL SHEETS
	11. PROJECT BOUNDARY & LOT LINES WITH ADJACENT PROPERTIES IDENTIFIED.
	12. PHASE LINES (IF APPLICABLE)
	13. DEVELOPMENT TIED DOWN, STA 10+00 ON SURVEY MONUMENT W/APPLICABLE STATIONING.
	14. RIGHTS-OF-WAY, FULL WIDTH SHOWN, WITH STREET NAMES LABELED PUBLIC OR PRIVATE.
	15. APPLICABLE EASEMENTS, EXISITING & PROPOSED, & LABEL EASEMENTS.
	16. PLAN MATCHES EASEMENT DESCRIPTIONS, P.O.B., BEARINGS, DISTANCES, ETC. CALLED OUT ON THE RECORDING DOCUMENT.
	17. TOP OF PIPE/BOTTOM OF PIPE AND VERTICAL SEPARATION CALLED OUT AT ALL WATER/ SEWER CROSSINGS AND POTABLE/RECLAIMED CROSSINGS.
	18. EXISTING WATER SYSTEM SHOWN CORRECTLY AND LABELED.
	19. EXISTING AND PROPOSED PAVING, UTILITES, DRAINAGE FACILITIES AND OTHER OBSTRUCTIONS IN THE VICINITY OF NEW WATER CONSTRUCTION.
	20. OFF-SITE OR RIGHT-OF-WAY IMPROVEMENT(S) ASSOCIATED WITH THE PROJECT.
	21. DIMENSION FROM CONNECTIONS TO ALL EXISTING VALVES THAT MAY NEED TO BE CLOSED DURING CONNECTION.
	22. ALL NEW WATER SYSTEM PLOTTED <u>BOLD.</u>
	23. MAIN SIZES, CONFIGURATION ACCEPTABLE PER MASTER PLAN REVIEW W/ COMMENT COMPLIANCE.
	24. PVC PIPE WITHIN A CURVED EASEMENT OR RIGHT-OF-WAY
	25. ABANDON EXISTING MAINS
	26. PROFILE REQUIRED FOR 12" OR LARGER MAINS
	27. PROTECTED MAIN, PROPOSED & EXISTING, WITH APPLICABLE NOTES
	28. CORROSION TEST STATIONS FOR DUCTILE IRON OR CONCRETE CYLINDER, 16" OR LARGER, NEW & EXISTING, SHOW & LABEL (<i>MUST BE REVIEWED BY CTS UNIT- SUBMIT TWO COPIES OF WATER PLAN</i>)
	29. VALVING ACCEPTABLE (2 FOR TEE, 3 FOR CROSS AND MAXIMUM SPACING (500' COMMERCIAL AND 660' RESIDENTIAL) BETWEEN IN-LINE VALVES MAINTAINED.
	30. AIR RELEASE VALVES
	31. STUBS, DRAIN VALVE ASSEMBLIES
	32. FIRE HYDRANTS PER FIRE DEPARTMENT REQUIREMENTS
	33. FIRE SERVICES (USER DEFINED)
	34. EXISTING SERVICE TIE-OVERS, RENEWALS, RELOCATIONS, AND ABANDONMENTS.
	35. METERS LOCATED AT PROPERTY TO BE SERVED, 30" MINIMUM SEPARATION BETWEEN SERVICE TAPS
	36. ELECTRIC PEDESTALS & TRANSFORMERS DIMENSIONED 10' MINIMUM SEPARATION FROM SERVICES, HYDRANTS, ARV's & DVA's
	37. STATIC PRESSURE ZONES IDENTIFIED, W/ CLOSED VALVES, AND ZONE BOUNDARIES LABELED.
	38. NOTES IN STANDARD NOTE BOXES
	39. STATIONING IS ACCURATE, WITH STATION EQUATIONS IF APPLICABLE.
	40. DIMENSION RIGHTS-OF-WAY, WATERLINES, UTILITIES, PAVEMENT, CENTERLINE, ETC.
	41. SPECIAL DETAILS
	42. ERASE BEHIND LETTERING, SYMBOLS, AND OTHER PERTINENT INFORMATION.
	43. PLANS STAMPED BY P.E.