

SUMMARY TABLE - INDIVIDUAL BUILDING WATER CONNECTION REQUIREMENTS												LEGEND					
Building Number/Name	Dom Line Size	Raw Water Size	Hazard Group	Sprinkler Req/Com	Fire Flow Req (gpm)	Fire Flow Min Req (gpm)	Fire Flow Max Req (gpm)	Fire Flow Device (BFD)	Water Meter and Valve Required	Reference Drawings	Valves to exist - Locating BFDs and Water Meters	Fire and Sprinkler Protection Notes	General notes	Construction Phasing Notes: No water outages from 0630-1700. Spec. Notes.	Legend		
303. 101 Quarters	New 2"	New 2"						N	Y - Locate in Utility Rm	CD 2000			2" PW feed on West Front side of house. Locate room on west side of house. Meter on west side of house.	Home water outages will be allowed from 0630 to 1900, Monday through Friday	See Note 1 to the Building		
303.41. M&M P&E	New 2"	New 2"						Y	Y - Locate on top of area east	See Hydraulic report on P&E drawing				Home water outages will be allowed from 0630 to 1900, Monday through Friday	Connect to the main where the building feed crosses.		
304. CO2 Quarters	Retain exist 1"	New Well						N	Y - Install new meter and NNNW valve. Use of new crop stop	CD House 48 and Distribution System		Install New Well	The Existing 1" line to new 00022 has 4' replacement to locate in Ladies BathRm.	Home water outages will be allowed from 0630 to 1900, Monday through Friday	Cap or Aband		
305. Exchange	Retain exist 2.5"		CH2					N	Y - Locate in Ladies BathRm	Exchange Bldg 41			Requires: 200gpm; 20psi residual at FH	Discon	Line not required. CAP or abandon in place		
303. Gym	Retain exist 4" Only							N	Y - Locate in Cycles Rm	CD 100 21				SEE NOTE 1	PS	Raw Water Sprinklers	
303. Maintenance	Retain exist 1.5"		CH3	NS				N	Y - Locate in Box 111	Exchange Bldg 41			Access to PW inside wall. Repair Sheetrock and mesh coat	SEE NOTE 1	PS	Possible Water Sprinklers	
076. Front Gate House	N/A	N/A						N/A	N/A	Bldg 76			N/A	SEE NOTE 1	PS	Possible Water Sprinklers	
305. Swimming Pool	Retain exist 2"							N	Y - Locate in Mech Rm	CD 99 P&E Feed/Fire Alarm System		W-PW Feed	N/A	N/A	SEE NOTE 1	PS	No sprinklers
153. Carpenter shop	Retain exist 2.5"		CH3	NS				N	Y - Locate in Mech Rm	CD 100			No Sprinkler Required (Requires: 200gpm; 20psi residual at FH)	Install second meter at new 12" main. Difference will be usage for 160 & 161	SEE NOTE 1	0B1	Optional bid item 1
162. Auto Hobby Shop	Retain exist 2"		CH3	NS				N	Y - Locate in Bay Rm under Vending Machine	Auto Hobby Shop Bldg 104			Requires: 200gpm; 20psi residual at FH	Install 1" Water Meter beneath Vending Machine.	SEE NOTE 1	0B2	Optional bid item 2
166. Auto/MCPO Club	Retain exist 3"							N	Y - Locate in Mech Rm	W. Automobiles Bldg 106			Replace rotted valve and install PW pipe inside mech room and install water meter	Check for unattended special events outages allowed during normal work hours Monday through Friday only, no weekend or evening outages	0C	No Connection	
163. Small Boat Pier with 107. WFO Office	Retain exist 1"							N	Y - Locate in Mech Rm	WFO Bldg 107			Connect at the top of the hill, one Meter for all bldg use per 225, 107, 163	SEE NOTE 1 or unless night operations are in progress no outage will be allowed if Bldg 107 outage is occurring	0E	General Admin Requirement - Outages allowed from 1700-0630 outside normal work hours Monday through Friday, plus on weekends during the night and/or day. Valve shut off in water.	
203. Firefighting School	Retain exist 2"							N	Y - Locate near rm 101	CD 100 21				SEE NOTE 1			
205. Cargo/Ord Trucks	Retain exist 2"	Retain exist 6" N. Discon 6" S						N	Y - with valve box	Bldg 205				Outages allowed from 1700-0630 outside normal work hours Monday through Friday, plus on weekends during the night and/or day. Valve shut off in water.			
200. Mech Hall	Retain exist 2"		RS					Y	Y - Locate in Mech Rm	Mech Hall Bldg 200			Retain North RW partial sprinkler in Sm. Eng and Lab. Abandon South 4" RW Sys	South 4" RW travels under building (Bldg 200/202), use outside building	SEE NOTE 1		
207. Stouban Hall	Retain exist 2-4"		PS					N	Y - Locate in Mech Rm	Stouban Hall Bldg 207			Eng 4" splits to dual 4" feeds. Feed eng 4" to RW. Branch off 4" PW and Meter to Eng Chemical Line	Eng 4" splits to dual 4" feeds. Feed eng 4" to RW. Branch off 4" PW and Meter to Eng Chemical Line	SEE NOTE 2		
208. Lincoln Hall	Retain exist 4"		PS					N	Y - Locate in Mech Rm	Lincoln Hall Bldg 208			PW sprinkler sys for Boiler/Mech. Rm	Connect PW to RW inside Mech (W/AB/Boiler) Rm.	Remove PW and abandon 4" RW. Clarified Raw Water	SEE NOTE 2	
203. Dining Hall	Retain exist 4"	Abandon	RS					Y	Y - with valve box	Dining Hall Bldg 203				Water outages from 1900-0400 only. Reconnect	SEE NOTE 1		
210. Storage Lab Station 42	Retain exist 1"							N	Y - with valve box	Bldg 42				Install W/M & BFD outside in Hot Box	SEE NOTE 1		
212. Security/ITD	New 2"	Abandon						N	Y - Locate in Mech Rm	Security Bldg 212				Abandon Pressure gauge systems in Rm 117	Install new 2" to eng 4" at Mech Rm	SEE NOTE 1	
217. Lafayette Hall	Retain exist 2-4"		JH	PS	200psi (w/val)	750gpm		N	Y - Locate on each in Mech Rm 170A & 171	Lafayette Hall Bldg 217			Fire Sprinkler System for all three floor Trash Rooms by reverse Domestic. Meter and exterior 1st floor Service Conn.	Two 4" entering bldg are feed by 4" that connects to new 4" feed	SEE NOTE 2		
221. Hamilton Hall	Retain exist 4"	Retain exist 4"	PS/RS			950gpm		Y	Y - Locate in Mech Rm	Hamilton Hall Bldg 221			Raw RW Fire Protection System for Storage Rooms in Mech Room has BFD. Requires water meter system on main 4" PW line inside the Mech Room after the Tee connection with the Fire Sprinkler system. BFD required on the existing 4" line entering bldg inside steel space.	Replace exist 4" CV and CV with new BFD system.	SEE NOTE 1		
222. Ebert Hall	Retain exist 3"	Retain exist 4"	CH1	RS	44psi	546gpm	Y-RM 111	Y	Y - C&E - Locate in Mech Rm 111	Ebert Hall Bldg 222			Fire Sprinkler System for Wastes Heat Recovery Lab, City Water Separator Lab, Boiler Lab, and Rig 3 Signal Lab supplied by Fire (Raw) Water. Spot Piece in line for a BFD (546gpm including 250gpm losses)		SEE NOTE 1		
226. MSS Storage	Retain exist 1"							N	Y - Locate in Mech Rm	Bldg 226				Unaffected outage unless training is in session			
225. Carfield Hall	Retain exist 4"	Retain exist 4"	CH1	RS	46.5psi	750gpm		Y	Y - Locate in Mech Rm	Carfield Hall Bldg 225			Fire Sprinkler System for entire building. All Rooms, supplied by Fire (Raw) Water. Install exterior BFD on "Red Box"	Fire Sprinkler System City (Fire System) for Unheated Warehouse Storage Area supplied by Fire (Raw) Water System. Install New BFD in Elec Rm 111	Disconnect Raw Water line prior to connection to PW Supply.	SEE NOTE 1	
231. Warehouse	Conn New 2" to exist 1.5" Pressure 2"	Retain exist 4"	CH3	RS	45psi	2000gpm		Y	Y - Locate in Mech Rm 109	Warehouse Bldg 231			Raw RW Fire Protection System for Warehouse in Mech Room has BFD. Requires water meter system on main 4" PW line inside the Mech Room after the Tee connection with the Fire Sprinkler system. BFD required on the existing 4" line entering bldg inside steel space.	Replace exist 4" CV and CV with new BFD system.	SEE NOTE 1		
234. Part of Tank Dining Hall	Retain exist 4"							N	Y - Replace Eng 2" Meter in Mech Rm 130	Part of Tank Bldg 234			PW Sprinkler over fireplace	Eng Heavy Model NWH Pumps Thruout 2" water meter is located in Mech Rm 130.	SEE NOTE 1		
235. Cam Hall	Retain exist 4"	Retain exist 4"	JH	RS		1250gpm		Y	Y - Install on PW in Mech Rm 100L (aka Rm 134)	Cam Hall Bldg 235			Fire Sprinkler System for Boiler Room 134, Linen Closets 101, 101, 210, 210, 212 and 208. Storage Rooms 117, 147, 213, 241, 313, and 339 (needed for Fire (Raw) Water System. Storage system, and 2 floors, supplied by Fire (Raw) Water. Install BFD on 4" Main only. Other 4" RW RW location (Rm 100L, 208, 210, 212, 213, 241, 313, and 339) need 4" feed off the main.	Install BFD and Hot box on main RW feed into Mech Room. Replace exist 2" water meter located in Mechanical Room 100 and remove 2nd meter. Existing Meter is "Therapy, Model NWH Pumps Thruout"	2" water meter is located in Mechanical Room 116. Existing Meter is "Van, Serial No. 1666227". Clarified RW line prior to connection to PW	SEE NOTE 2	
226. Taylor Hall	Retain exist 3"	Retain exist 4"	CH1	RS	34psi	950gpm		Y	Y - Replace eng 2" meter in MR 116.	Taylor Hall Bldg 226			Fire Sprinkler System for entire building, both Rooms, supplied by Fire (Raw) Water. House 200gpm; 20psi residual at FH	Replace exist 2" meter in MR 116.	SEE NOTE 1		
228. Civil Station	N/A	N/A	CH3	NS				N	Y - Locate in Pharm Rm	Civil Station Bldg 228				Install new 4" RW within 150ft.	SEE NOTE 1		
240. Veterans Hall - CAT Diesel School	Retain exist 2"	N/A						N	Y - Locate in Pharm Rm	Veterans Hall Bldg 240				Install new 4" RW within 150ft.	SEE NOTE 1		
241. Over Maint Fac	Retain exist 2"	Clap Eng 4"	CH2	NS				N	Y - 1st choice Locate in Office Rm 103. 2nd choice outside	Over Maint Bldg 241			Requires 150gpm; 20psi residual at New PW	Cap 4" RW to Bldg 241. Install New BFD on new 4" PW at 207 DN/SB.	SEE NOTE 1 or unless a 4" vessel repair is in progress no outage will be allowed from 1900 to 2200 M.F. Bldgs 107 and 241 shall not have impact/outage outages.		
242. Boiler shed/roof/243. ICE Stairing Platforms Bldg	Retain exist 1"	N/A						N	Y - Locate in Mech Rm	Boiler Shed Bldg 242				Install New Meter inside bldg	SEE NOTE 1		
246. Crak Mast/Dental	Retain exist 3"	N/A	JH	PS		750gpm		N	Y - Replace eng exterior meter	Crak Mast Bldg 246				2" PW line is a 3" after 2" meter located on the exterior of the building.	SEE NOTE 1		
363. Thayer Hall	Retain exist 2.5"	N/A						N	Y - Locate in Mech Rm	Thayer Hall Bldg 363				Eng 4" RW feed system. Connect to new 12" line	SEE NOTE 2		
241. Chapel	Retain exist 2"	N/A	PS					N	Y - Locate in Mech Rm	Chapel Bldg 241				Disconnect beam sprinkler line from 2" and reconnect to new ground-to-beam well source.	SEE NOTE 2		
267. Oil House Separator	Conn to Bldg 241	Abandon 4" Pressure 2"						Y	Y - with valve box	Oil House Bldg 267				Abandon existing 2" RW line, new 1" PW with meter and BFD.	SEE NOTE 1		
268. BFC Sys Bldg	Retain exist 4"							N	Y - with valve box	Bldg 268				Bldg feed line to remain. New connection on Honeywell Check Rd.	SEE NOTE 1		
274. Sm. Arms Bldg	Retain exist 1.2"							N	Y - with valve box	Small Arms Bldg 274				Install meter outside bldg	SEE NOTE 1		
263. FT Tng Bldg	Retain exist 4"							Y	Y - with valve box	FT Tng Bldg 263				Install new BFD and meter at joint edge. See Plans.	SEE NOTE 1		
256. Boat Garage	Retain exist 1"	N/A						N	Y - Contractor to raise meter box and confirm eng meter compatible in project requirements	Boat Garage Bldg 256					SEE NOTE 1		
LAWN WATERING SYSTEMS																	
CO Sprinkler Sys	Disconnect RW							Y	Y - with valve box and 2" hose bib	See Plans			Install 100' wll system and connect to existing sprinkler system	Disconnect Sprinkler From Main Supply			
Athletic Field Spr. Sys	Disconnect RW							Y	Y - with valve box and 2" hose bib	See Plans			Install 100' wll system and connect to existing sprinkler system	Disconnect Sprinkler From Main Supply			
Dial feed connection	Disconnect RW							Y	Y - with valve box and 2" hose bib	See Plans			Install 100' wll system for Main Coach	Disconnect Sprinkler From Main Supply			
Bldg 281, Chapel Spr. Sys	Disconnect PW							Y	Y - with valve box and 2" hose bib	See Plans			Install 100' wll system and connect to existing sprinkler system	Disconnect Sprinkler From Main Supply			