	Alternative A	Alternative B	Alternative C	Alternative D
Liquids Treatment				
Preliminary Treatment	Upgrade existing HW to 50 MGD	Elevated HW (50 mgd), modify influent (collection system or IPS)	Adjacent New HW (50 mgd)	Adjacent New HW (50 mgd)
Grit Removal	Primary Sludge Degritting	Liquids Stream Grit Removal	Liquids Stream Grit Removal	Liquids Stream Grit Removal
PI Splitter	Fixed weir splitter box	NA	Fixed weir splitter box	NA
Primary Treatment	Utilize existing PCs, add one additional	NA	New DW primary capacity, utilization of existing PCs for WW	NA
PEPS	Expand PEPS to 50 mgd with adjacent 12.5 mgd PS	NA	Construct 12.5 mgd PEPS to supplement existing PEPS	New PE Pump Station, colocated with HW
Aeration Basins	Enhance existing (SVI improvements, WW modes); add mixed liquor splitter box	Enhance existing (SVI improvements, WW modes); add mixed liquor splitter box; Expand to handle additional load	Enhance existing (SVI improvements, WW modes); add mixed liquor splitter box	Enhance existing (SVI improvements, WW modes); add mixed liquor splitter box; Expand to handle additional load
Secondary Clarifiers	Add third SC	Add third SC	Add third SC	Add third SC
Future Secondary Units for Nutrient Removal	Add additional AB, blower capacity, and methanol addition	Add additional AB and blower capacity	Add additional AB, blower capacity, and methanol addition	Add additional AB and blower capacity
Tertiary Treatment	Provide Space for Denitrifying Filters	Provide Space for Denitrifying Filters	Provide Space for Denitrifying Filters	Provide Space for Denitrifying Filters
Disinfection	Hypochlorite Disinfection: Upgrade Existing CCBs; relocate chemical storage and feed	Split Disinfection: New UV up to 30 mgd, Peak flow through retrofitted PCs	New UV for all flows (50 mgd)	Hypochlorite Disinfection: Retrofit Existing PCs to CCBs
Effluent Discharge	Effluent Pump Station (50 mgd) with Existing Outfall and Diffuser	Utilize PE Pump Station as Effluent Pump Station (50 mgd), Expand w/ Adjacent 12.5 mgd PS; Utilize Existing Outfall and Diffuser	Existing Outfall w/ Modified Diffusers and Yard Piping Mods, Bankside Outfall	Utilize PE Pump Station as Effluent Pump Station (50 mgd), Expand w/ Adjacent 12.5 mgd PS; Utilize Existing Outfall and Diffuser
Solids Treatment				
Thickening	GBT WAS thickening & GT PS thickening	GBT WAS thickening	Thick PS from PC + GBT WAS Thickening	GBT WAS thickening
Solids Stabilization and Storage	Partial Digestion w/ Gas Utilization	No Digestion, Utilize tanks for WAS storage	No Digestion, Utilize tanks for WAS and Blended Solids storage	No Digestion, Utilize tanks for WAS storage
Solids Loadout/Disposal	New solids loadout facility for TWAS, Digested Sludge, Enclose grit loadout area	New Solids Loadout facility for TWAS	New Solids Loadout facility for Blended Solids	New Solids Loadout facility for TWAS
Other Processes				
Odor Control	Cover HW, PC, GT and loadout bays	Cover HW, solids storage and loadout bays	Cover HW, PC, solids storage and loadout bays	Cover HW, solids storage and loadout bays
Notes				