



Water Treatment Plant Expansion & Denitrification Design Services Phase II – 30%

Project Manager: Matt Amidei, Utility Project Engineer

Strategic Plan



Supportive and Sustainable
Infrastructure



Financially Responsible



Safe, Active, and
Engaged Community



Recognizable and Well-
Planned Community

Overview



Project Background



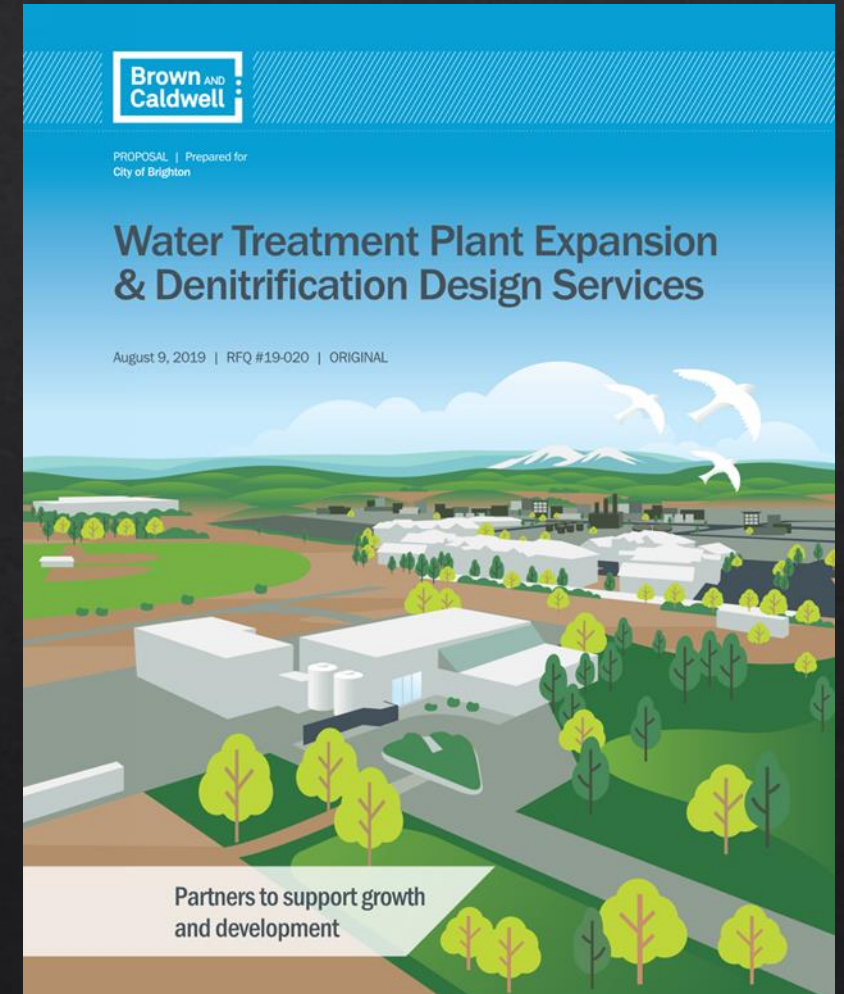
Project Details



Final Recommendation & Questions

Project Background

- ◆ How did we get where we are today?
- ◆ City went through a formal RFQ & RFP process in April 2019
- ◆ Three firms submitted proposals
- ◆ Brown & Caldwell was selected due to their innovative approach and future cost savings
- ◆ Due to the complexity the Project it was broken into three phases
- ◆ Initial approval only allocated funding for Phase I



Project Details – Design Scope of Services

◆ Phase I Scope of Services (Complete)

◆ Phase II Scope of Services

◆ Phase II – 30% (For approval tonight)

- ◆ 30% construction documents
- ◆ 30% specifications
- ◆ Engineers opinion of probably cost at 30%

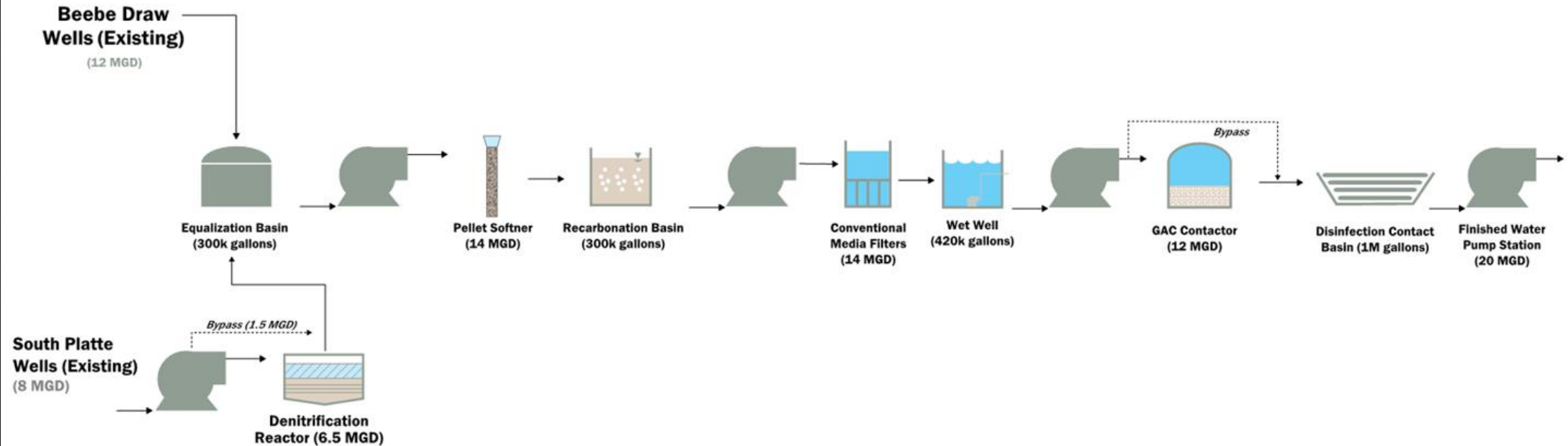
◆ Phase II – 100% (At later date)

- ◆ Final set of construction documents
- ◆ All permits and required easements
- ◆ Engineers opinion of probable cost
- ◆ Final set of specifications

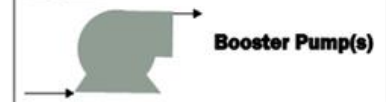
◆ Phase III Scope of Services (At later date)

- ◆ Construction oversight and inspections services
- ◆ Final acceptance testing
- ◆ As-builts
- ◆ Start-up and commissioning

Single Treatment Plant (Alternative A-1)

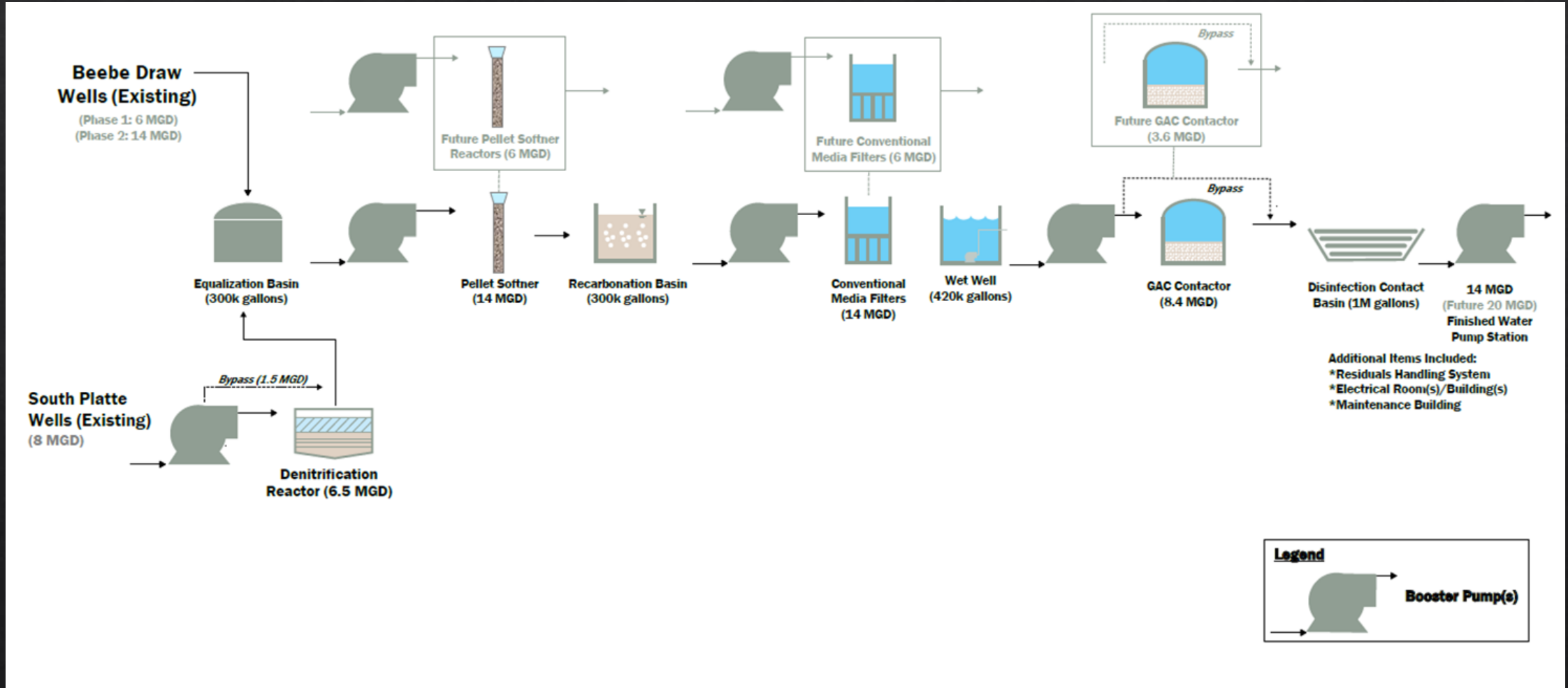


Legend



Additional Items Included:
*Residuals Handling System
*Electrical Room(s)/Building(s)
*Maintenance Building

Single Treatment Plant (Alternative A-2)



Project Details

- ◆ Staff will be returning to Council with additional contracts over the next couple years
 - ◆ Phase II – 100% & Phase III of design
 - ◆ Purchase of long lead time equipment
 - ◆ CMAR GMP
 - ◆ Owners representative (if needed)
 - ◆ Ancillary services
- ◆ Due to scheduling constraints and CDPHE deadlines of Project, timing of contract approval is critical in preventing delays and associated costs



Final Recommendation

Staff believes that accepting the Phase II – 30% contract amendment from Brown & Caldwell for design services for the Water Treatment Plant Expansion & Denitrification Phase II Design Services in the amount of \$3,268,492.00 would accomplish the following:

- ◇ Provide a long term, reliable solution to address current issues at the RO Treatment Plant
- ◇ Keep the City of Brighton on track to meet all regulatory deadlines and avoid potential CDPHE fines
- ◇ Provide reliable potable water service to existing and future City of Brighton residence and businesses

Questions?