

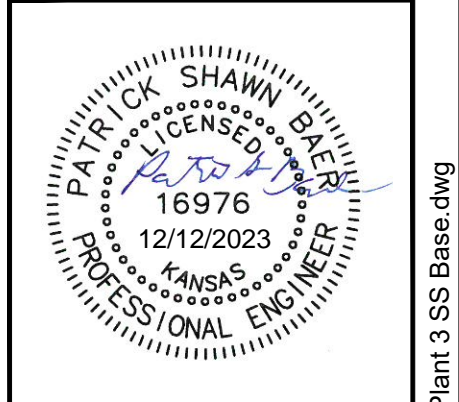
Wet Well Option #2, not shown, see for those details.

BENCHMARKS

- BM #1:
Mag Nail on North edge of road, 78' West of North Entrance Gate into Plant #3 Facility.
Elev. = 1361.84 NGVD88
- BM #2:
RR Spike in East Transmission power pole, 100' West and 4' North of the NE corner of Sewer Treatment Plant #3 Add.
Elev. = 1357.64 NGVD88
- BM #3:
RR Spike in West Transmission power pole, 52' North of 37th St. N. E. & SE corner of Sewer Treatment Plant #3 Add.
Elev. = 1360.00 NGVD88

CONSTRUCTION PHASING

- Phase One:**
1. The existing Wet Well, sewer pipes and Manhole MH-01 & MH-0 are to remain in use during construction of the new Wet Well. The existing system is to remain in use for as long as possible. Bypass of the treatment plant recycling that enters SS MH-01 can be bypassed by installation of a mech. pump from SS Manhole MH-01 and pumped directly into the Headworks Second level Facility Entrance, via a pedestrian door located south of SS MH-01.
 2. Contractor to install temp. plug within SS Manhole 4652-008. Incremental pumping of discharge accumulates in this manhole shall be removed and discharged into the Headworks building by City of Maize personnel. See bypass pump notes.
 3. Installation of temporary fence shall be installed to preserve security of the facility. A temporary layout plan for location and maintenance of temporary fence is the responsibility of the contractor, cost to be subsidiary to Temp. Fencing.
 4. The contractor shall develop a dewatering plan and submit to city staff for approval, prior to construction. The discharge of groundwater shall be sent west to drain to the west. The limits of the Wet Well pit shall maintain a safe distance from the Headworks Building. The contractor shall provide a wet well construction plan to the city, for approval prior to commencement work.
 5. Contractor shall remove pavement, fence and grade area where the Wetwell is to be constructed. The proposed regrading of the existing berm is required prior to construction of the wet well. Temporary drainage of the wet well shall be completed as subsidiary to the Site Grading, to ensure runoff from the east is properly routed west and around the area of construction. Temporary drainage of the berm and area east of the construction site shall be approved by the Inspecting Engineer, prior to construction.
 6. Partial Pavement and removal of the Light pole may then occur after the preceding steps.
- Phase Two:**
7. Contractor shall begin dewatering and construction of the Wet Well while the existing facility remains in operation. Installation of the 30" Stub will be completed during this stage of dewatering and SS Line 5 can be installed during the appropriate stage of wet well construction.
 8. Installation of new equipment within the existing Valve vault and Headworks building shall be completed. Install First 2 pump lines, check valve vault, corresponding drain line, and Foul Air Line. Electrical conduits to the Head works shall begin, when dewatering the wet well construction and back fill allows.
 9. Partial installation of 3rd & 4th pump lines can begin. Connection to Ex. Valve Vault shall not happen, at this time. Construct new Light Pole base and install pole-fixtured and Electrical Hut and conduits when wet well construction allows.
 13. Construction of concrete drive at New wet well can occur. Installation of new perimeter fence with apron shall be completed.
 14. New wet well racking, pumps and supporting equipment shall be installed and tested.
- Phase Three:**
15. Transition Plant effluent to the new wet well, via SS Line 5. Remove temporary plug in SS Manhole 4652-008 and permanently plug ex. 12" outfall at SS MH-01.
 16. Partial Removal of the Existing Wet Well and Manhole MH-00 can commence concurrent to the abandonment of the 12" enclosed in the 30" pipe and Ex. 12". Removal of supporting equipment to ex. wet well can be completed.
 17. Install the remaining portions of the 3rd and 4th pump line. Installation of existing pumps in the new wet shall be completed.
 18. Reconstruction of the asphalt drive and remaining concrete pavement shall be completed.



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PLANT #3 (NW) NEW WET WELL	
SITE OVERVIEW	
SANITARY SEWER IMPROVEMENTS	
PROJECT NUMBER: 468-2023-005511	
DESIGN: PSB	DRAWN: LN
DATE: Dec. 13, 2023	
SHEET	OF
4	29

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