

## General Exterior Reference Photos



1. GNPCC No. 1 primary sedimentation tank west bay, looking north from influent inlet end.



2. GNPCC No. 1 primary sedimentation tank east bay, looking north from influent inlet end.



3. Panoramic view of GNPCC No. 1 primary sedimentation tank, looking north.



4. Effluent discharge end of GNPCC No. 1 primary sedimentation tank, looking north.



5. West bay scum skimmer and effluent discharge odour collection hood, looking north.



6. East bay scum skimmer and effluent discharge odour collection hood, looking north.



7. West bay effluent discharge odour collection hood, looking south.



8. East bay effluent discharge odour collection hood, looking south.

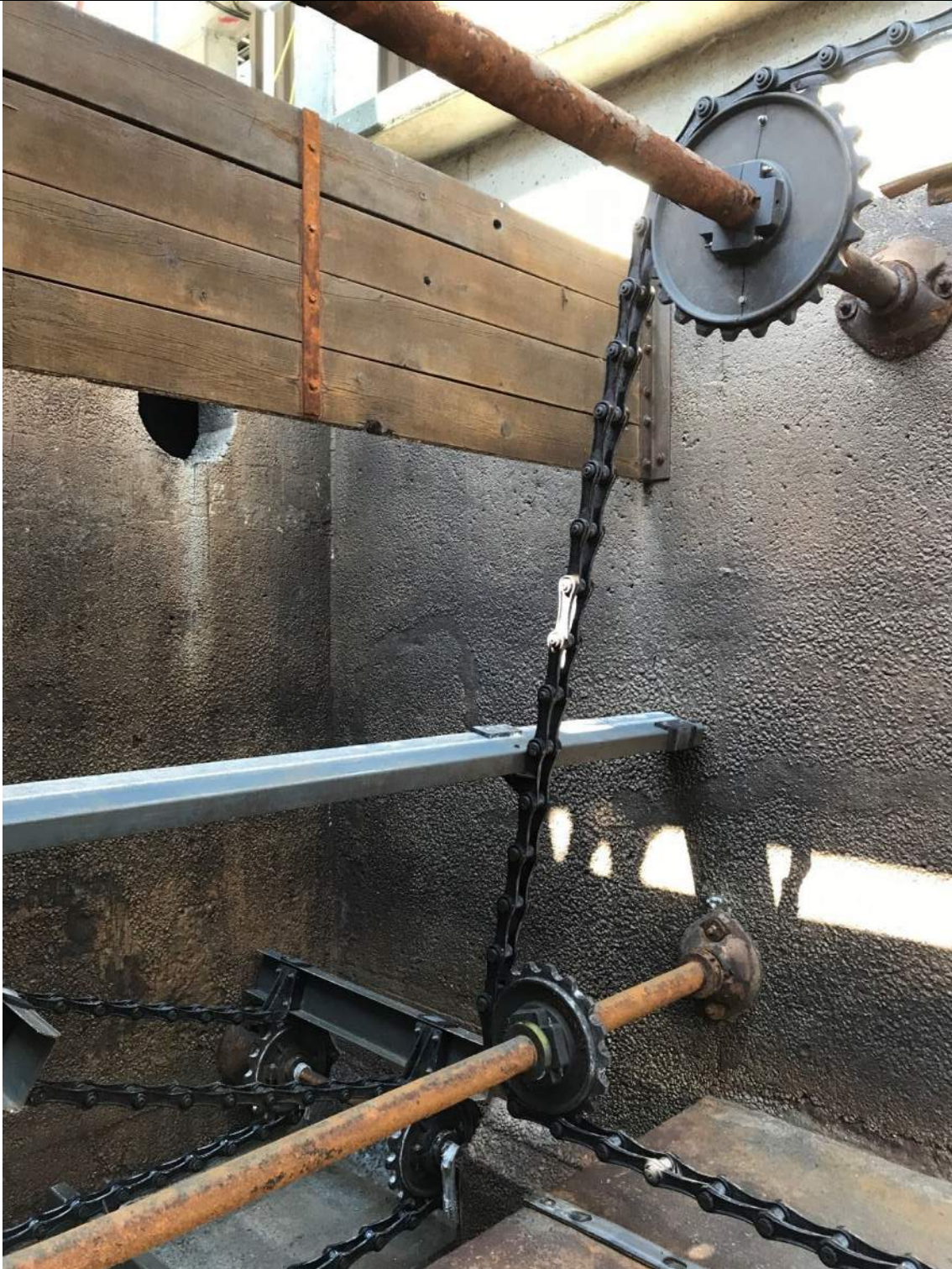
**General Interior/Mechanism Reference Photos**



9. West bay longitudinal collector headshaft mechanism in foreground, wooden inlet baffle and cross collector mechanism in background.



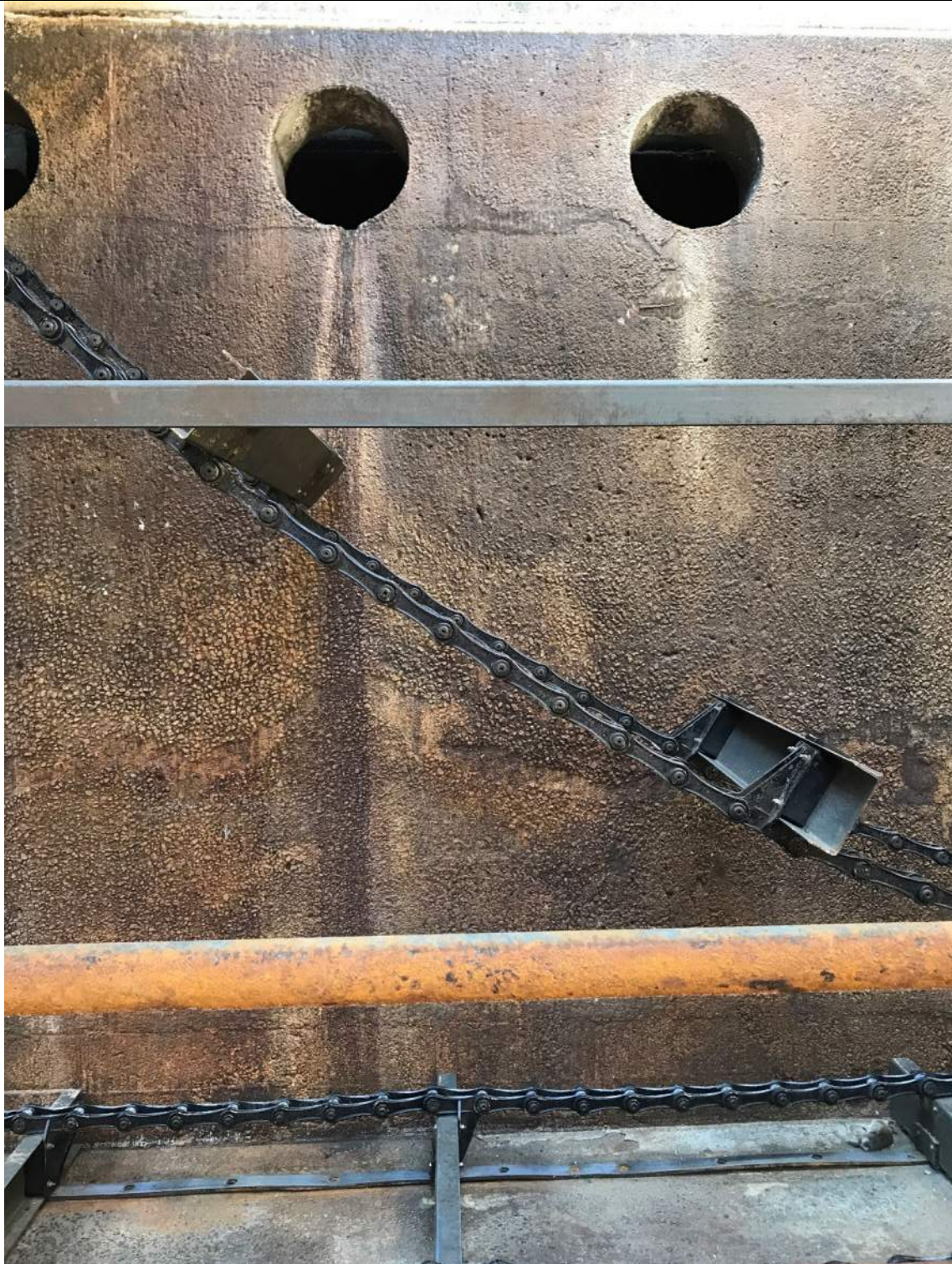
10. East bay longitudinal collector headshaft mechanism in foreground, wooden inlet baffle and cross collector mechanism in background



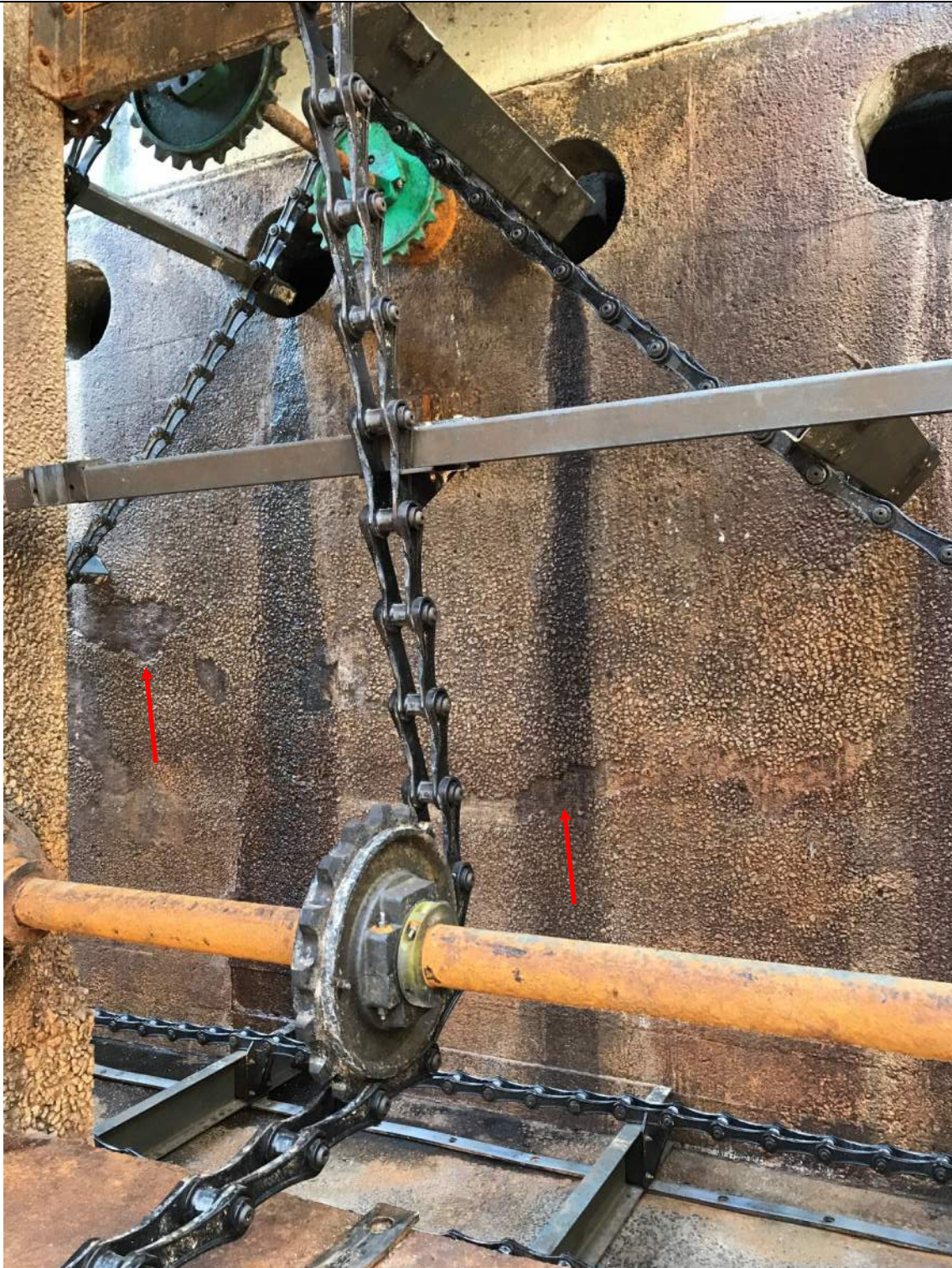
11. From right: West wall, SW corner and south wall of tank. Headshaft and west drive sprocket at upper right.



12. From right: West wall, SW corner and south wall of tank, cont'd from photo 11 moving east. Note smooth previous patch repair areas.



13. South wall of tank, continued from photo 12 moving east. Note: Previous coating applied to exposed aggregate without filling.



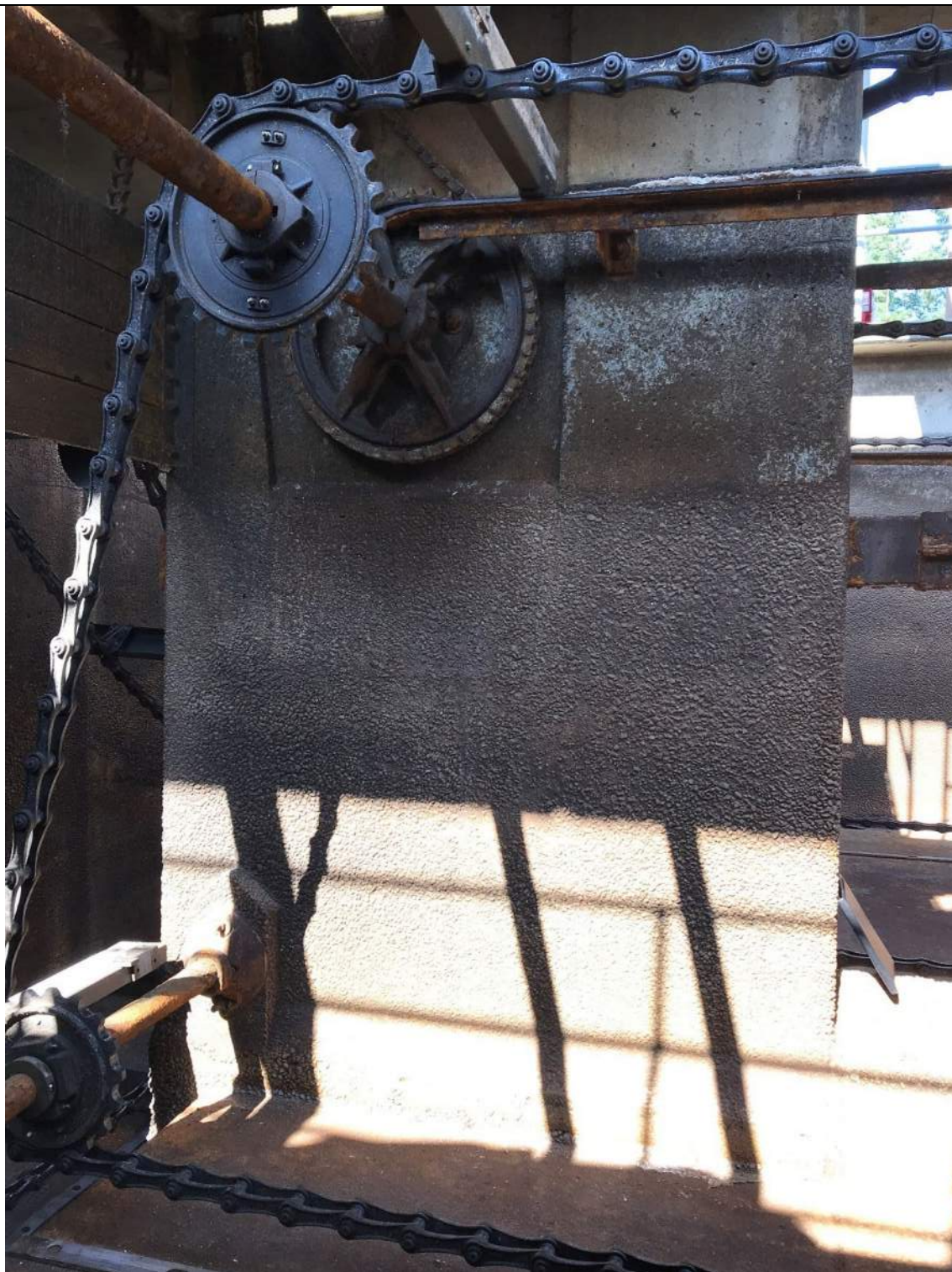
14. South wall of tank, continued from photo 13 moving east. Note smooth previous patch repair areas on wall (red arrows).



15. Collector drive support wall, with west bay longitudinal collector headshaft, drive bull sprocket and drive sprocket at upper right.



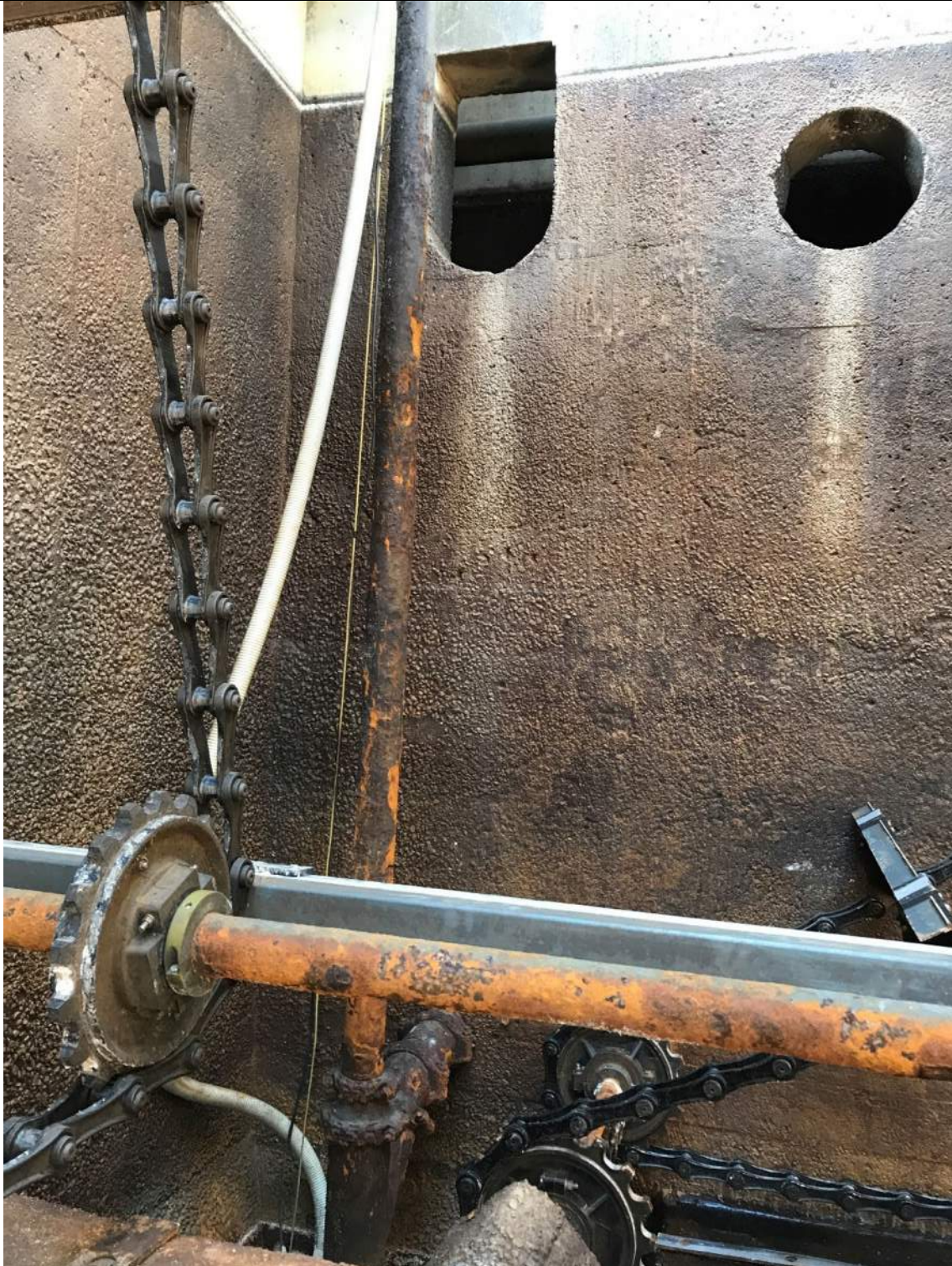
16. South wall of tank, continued from photo 14 moving east. Note smooth previous patch repair areas on wall (red arrows).



17. Collector drive support wall, with east bay longitudinal collector headshaft, drive bull sprocket and drive sprocket at upper left.



18. South wall of tank, continued from photo 16 moving east. Note smooth previous patch repair areas on wall.



19. South wall of tank, continued from photo 18 moving east. Note: Previous coating applied to exposed aggregate without filling.



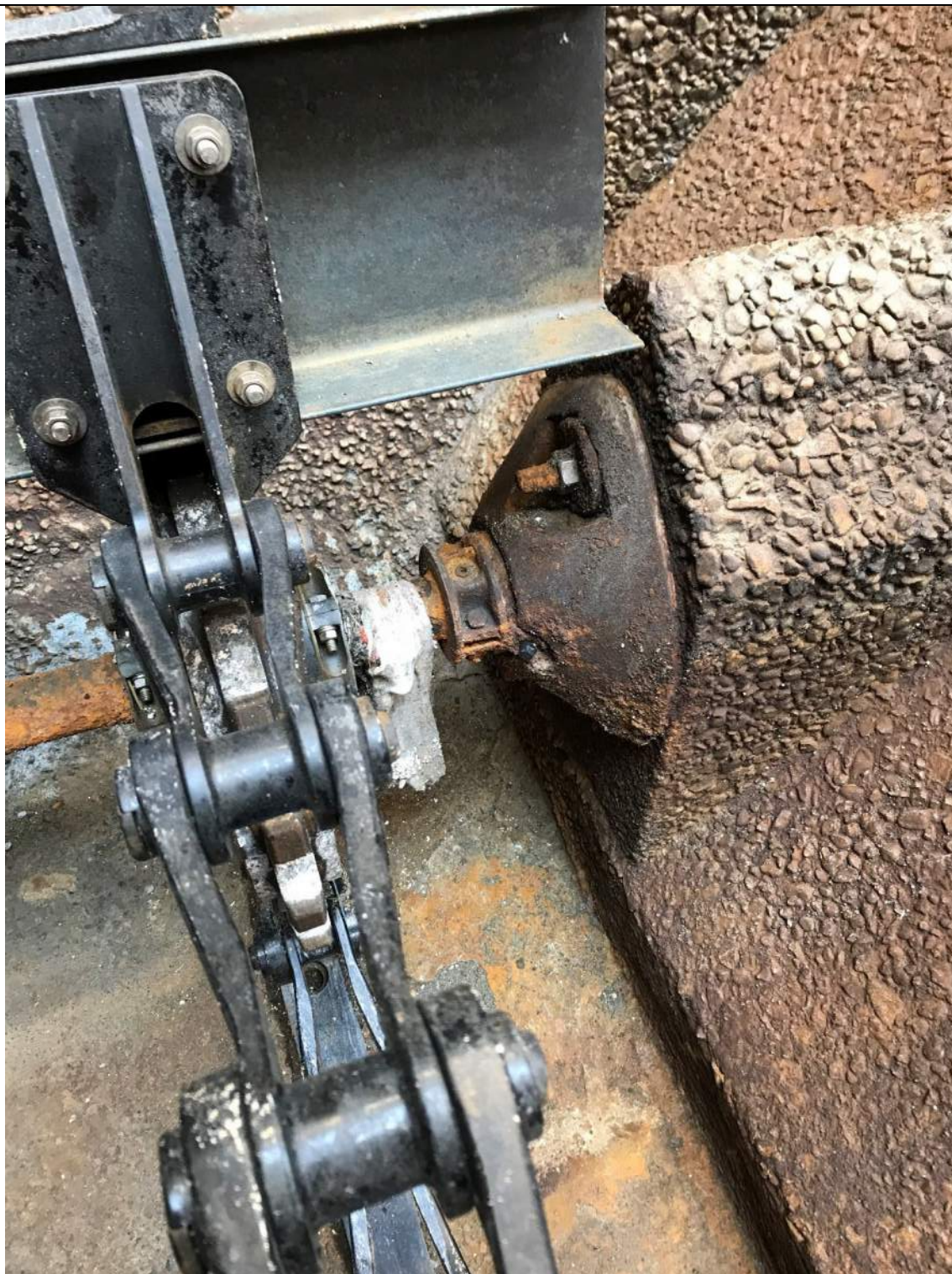
20. From left: East wall, SE corner and south wall of tank. Headshaft and east drive sprocket at upper/left.



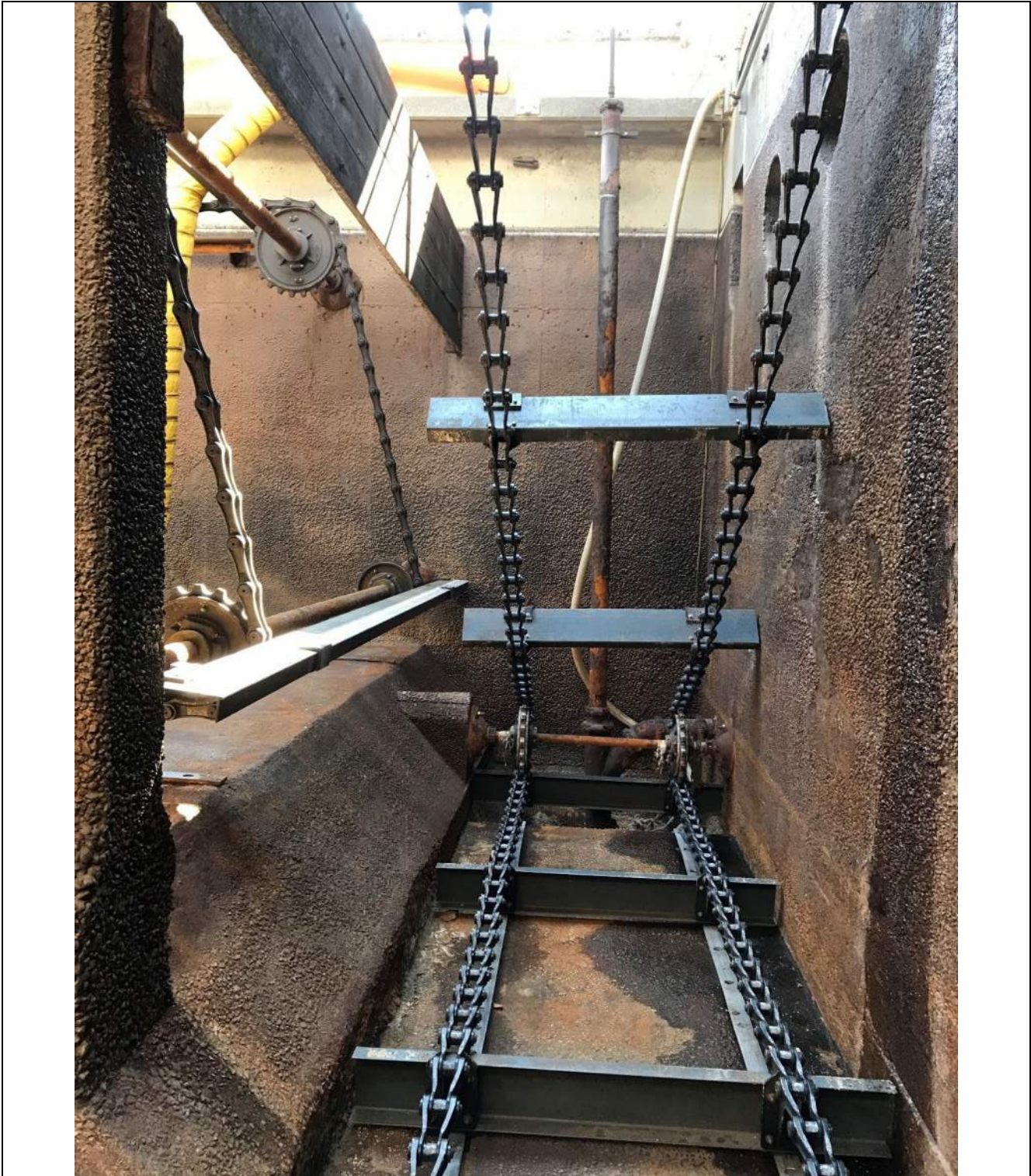
21. Drive (west) end idler of cross collector, wooden inlet baffle and west wall of tank.



22. Close-up of cross collector tail (east) end idler south shaft bearing.



23. Close-up of cross collector tail (east) end idler north shaft bearing.



24. Tail (east) end idler of cross collector, wooden inlet baffle and east wall of tank .



25. Top view of cross collector drive chain, flights and (west) end idler shaft and sprockets.



26. Top view of cross collector drive chain, flights and tail (east) end shaft and sprockets. Sludge discharge sump and piping at left.



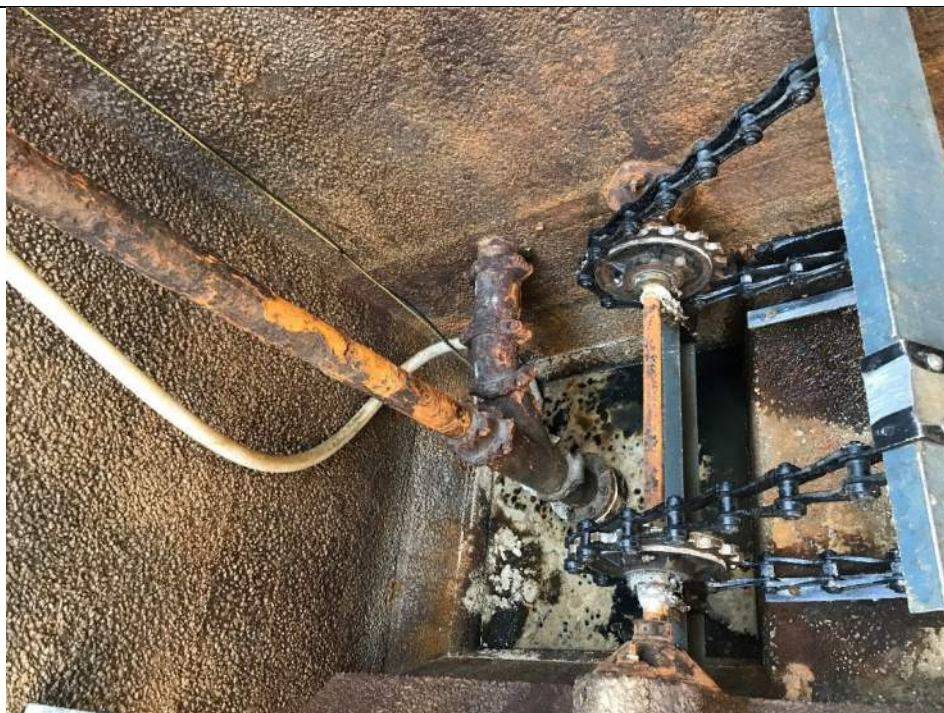
27. West end of cross collector trough, chain, flights and idler shaft and sprockets.



28. Cross collector trough, chain and flights, moving east from photo 25.



29. Cross collector trough, chain, flights, tail (west) end shaft and sprockets, moving east from photo 26.



30. Cross collector sludge sump and discharge piping, chain, flights, shaft and sprockets, moving east from photo 27.



31. Cross collector drive shaft/sprockets and drive bull sprocket (at right).



32. Cross collector south drive sprocket and shaft bearing.



33. Cross collector north drive sprocket (green), drive bull sprocket and north shaft bearing.



34. Confluence of west longitudinal collector bay with cross collector trough. Note exposed concrete aggregate (coated from past repair).



35. Confluence of east longitudinal collector bay with cross collector trough. Note exposed concrete aggregate (coated from past repair).



36. West tank wall at south end (longitudinal collector head shaft and drive sprocket visible upper left).



37. West wall of tank, north of photo 36 (diagonal line is where previous coating ends).



38. West wall of tank, north of photo 37 (diagonal line is where previous coating ends).



39. West wall of tank, north of photo 38 (diagonal line is where previous coating ends).



40. West wall of tank, north of photo 39 (Note black asbestos containing sealant in floor expansion joint).



41. West wall of tank, north of photo 40.



42. West wall of tank, north of photo 41.



43. West wall of tank, north of photo 42; near effluent discharge end (Note black asbestos containing sealant in floor expansion joint).



44. Close-up view of west bay longitudinal collector west tail-end idler shaft/sprocket (upper) and chain tensioner (upper left)



45. View of west bay longitudinal collector tail end shafts, scum baffle and effluent discharge channel odour collection hood.



46. West end of west bay longitudinal collector tail shaft.



47. East end of west bay longitudinal collector tail shaft.



48. Top view of northernmost west bay effluent discharge channel weir box and water piping (tank discharge shown by red arrow).



49. Top view of northernmost west bay effluent discharge channel weir box and water piping (tank discharge shown by red arrow).



50. Bottom west side of west bay effluent discharge channel weir boxes (marked for thickness testing).



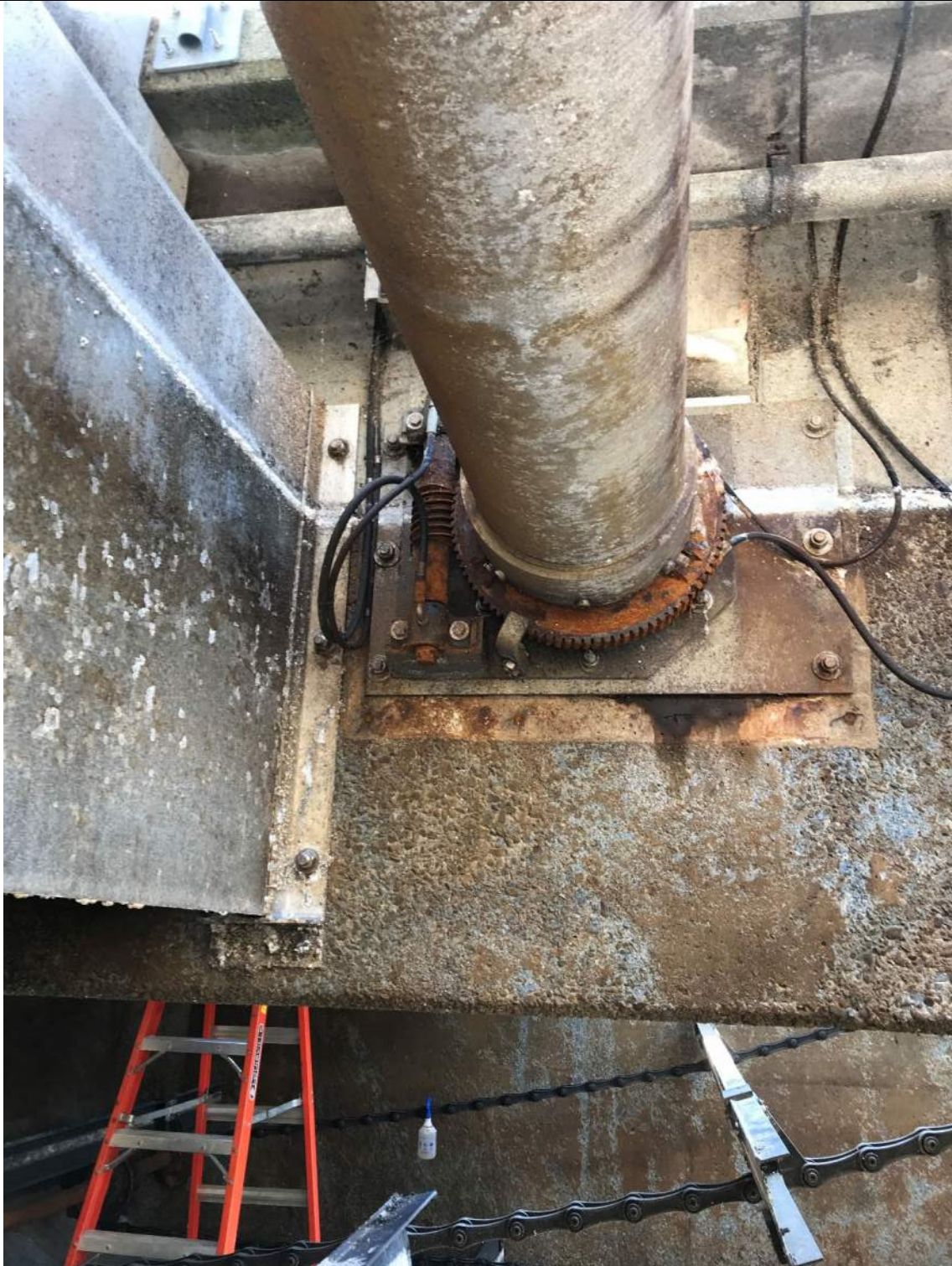
51. Bottom middle of west bay effluent discharge channel weir boxes (marked for thickness testing). Note – black coating contains lead.



52. Bottom east side of west bay effluent discharge channel weir boxes. Note exposed concrete aggregate (red arrow)



53. Close-up view of west bay longitudinal collector east tail-end idler shaft/sprocket (upper) and chain tensioner (upper right)



54. Close-up view of drive (east) end of west bay scum skimmer shown in photo 53 and adjacent scum baffle.



55. Close-up view of non-drive (west) end of west bay scum skimmer and adjacent scum baffle.



56. Tank center columns cont'd from photo 53, viewed from west bay (Note black asbestos containing sealant in floor expansion joint).



57. Tank center columns cont'd from photo 56, viewed from west bay. Rusty 150 mm (6") X 200 mm (8") scum pipe visible (red arrow).



58. Tank center columns cont'd from photo 57, viewed from west bay.



59. Tank center columns cont'd from photo 58, viewed from west bay. Note exposed concrete aggregate.



60. East tank wall at south end (longitudinal collector head shaft & drive sprocket visible upper right). Note floor/wall expansion joint).



61. East wall of tank, north of photo 60 (diagonal line is where previous coating ends).



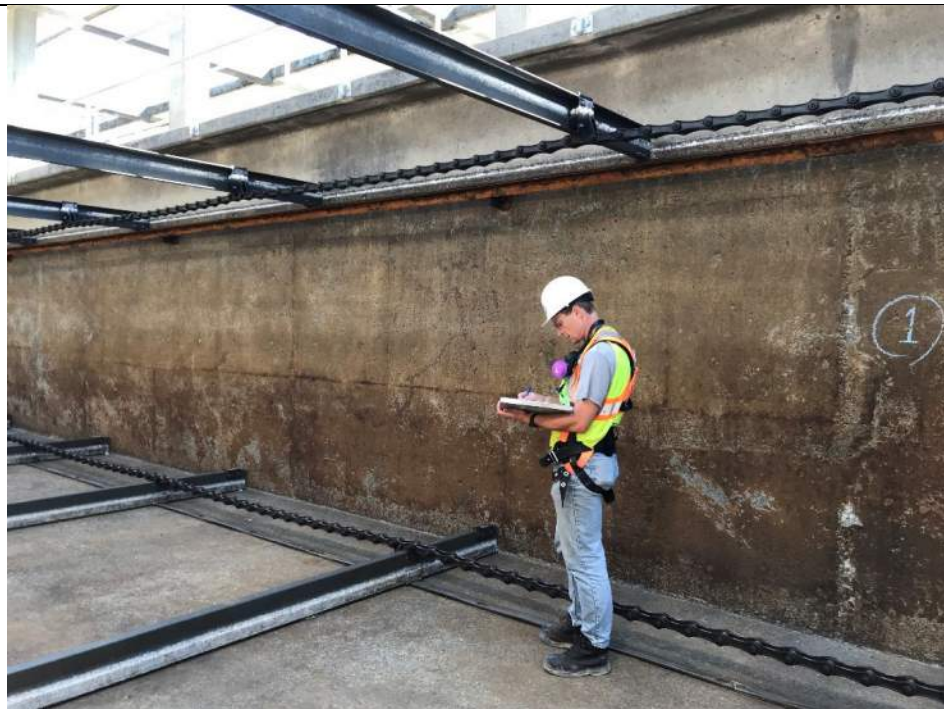
62. East wall of tank, north of photo 61 (diagonal line is where previous coating ends).



63. East wall of tank, north of photo 62. End of wall coating at bottom right.



64. East wall of tank, north of photo 63. Wall construction joint indicated by number 1.



65. East wall of tank, north of photo 64. Wall construction joint indicated by number 1.



66. East wall of tank, north of photo 65. Tail end idler shaft and sprocket visible upper left. Note black asbestos containing sealant in floor expansion joint.



67. Close-up of east bay tail end idler shaft, sprocket and tensioner; scum-skimmer and scum baffle in left background



68. View of east bay longitudinal collector tail end shaft, scum skimmer/baffle and effluent discharge channel odour collection hood.



69. East end of east bay longitudinal collector tail shaft.



70. West end of east bay longitudinal collector tail shaft.



71. Top view of northernmost east bay effluent discharge channel weir box and water piping (tank discharge shown by red arrow).



72. Top view of northernmost east bay effluent discharge channel weir box and water piping (tank discharge shown by red arrow).



73. Bottom east side of east bay effluent discharge channel weir boxes (marked for thickness testing).



74. Bottom middle of east bay effluent discharge channel weir boxes (marked for thickness testing). Note – black coating contains lead.



75. Bottom west side of east bay effluent discharge channel weir boxes. Note exposed concrete aggregate (red arrows)



76. Close-up of west east bay tail end idler shaft, sprocket and tensioner; scum-skimmer and scum baffle in left background



77. Close-up of scum skimmer and baffle shown in photo 76. Note exposed concrete aggregate.



78. Close-up of center column and rusty obsolete 6" X 8" scum piping, viewed from east bay. Note exposed concrete aggregate and black asbestos containing sealant in floor expansion joint.



79. Close-up of intersection of center column and rusty obsolete 6" X 8" scum piping, viewed from east bay.



80. Close-up of intersection of center column and rusty obsolete 6" X 8" scum piping, viewed from east bay.

## Exterior Reference Photos – Underground Pump/Blower Gallery



81. Blanked, obsolete 6" x 8" HSS scum piping connection in UG gallery at inlet end of sedimentation tank.



82. Left side view of blanked HSS in photo 81.



83. Right side view of blanked HSS in photo 81.