

ALMONDBANK FLOOD PROTECTION SCHEME

PHASE 2 PROGRESS PHOTOGRAPHS

October 2016 - Scheme commences!



December 2016 – Site Preparation Works



2. Lochty Park - installation of temporary utility diversion bridge.



3. Trout Farm - tree removal, prior to construction works starting.



4. Lochty Park – earthworks and erection of silt curtain to prevent discharge into burn.



5. Deer Park/Craigneuk - construction of haul/access roads adjacent to Low's Weir for construction of flood embankments.

January 2017



6. Lochty Park – public utility diversion works.



7. Puddledub/Brockhill - construction of drainage system for new access road.



8. Trout Farm – commence construction of flood wall base.



9. Trout Farm – erection of reinforcement and shuttering for flood wall bases.



10. Lochty Park – environmental surveys.



11. Craigneuk – relocation of summer house to allow construction of the flood wall.



12. Trout Farm – temporary bracing of building during the works.



13. Cricket Pitch – construction of drainage system.



14. Lochty Park – installation of temporary sheet piles for safe working and environmental reasons.



15. Vector – installation of temporary sheet piles to construct pumping station chamber.



16. Lochty – construction of temporary pedestrian access.



17. Trout Farm – flood wall concrete base complete and reinforcement erected for subsequent bases.



18. Trout Farm – pumping station outfall (the gaps are for pipes).



19. Puddledub – installation of temporary sheet piles in East Pow Burn for safe working and environmental reasons.

March 2017



20. Deer Park – construction of erosion protection system (geotextile under with interlocking rock armour on top).



21. Low's Works Cottages/Brockhill – installation of temporary service diversion bridge.



22. Lochty Park – construction of the temporary bridge reinforced concrete foundation.



23. Lochty Park – installation of temporary bridge to allow demolition and construction of new Lochty Park bridge.



24. Trout Farm – completion of flood wall bases and erection of reinforcement for flood wall stems.



25. Vector – construction of pumping station chamber with concrete segments.



26. Druid House – completion of flood wall bases and erection of reinforcement for flood wall stems.



27. Lochty Park – installation of tubular piles (that will form the foundation of the new flood wall).

April 2017



28. Trout Farm – completion of reinforced concrete flood wall with aesthetic stone finish (black area will be below ground).

29. Lochty – erection of reinforcement for retaining wall base.



30. Lochty Park – installation of sheet pile flood wall.



31. Black Bridge – temporary relocation of Black Bridge in order to construct new bridge.



32. Lochty Park – construction of bridge piles. Lowering of steel reinforcement cage into the pile.



33. Druid House – Not all services can be relocated away from the new flood wall. Some have to be designed into it.



34. Lochty Park – completion of tubular piles. This will form the foundation for the new flood wall.

May 2017



35. Deer Park – looking upstream at new flood wall bases and stem reinforcement.



36. Deer Park – installation of erosion protection behind temporary sheet piling.



37. Craigneuk – inside excavation for construction of pumping station reinforced concrete base.



38. Trout Farm – continuation of construction of flood wall bases and stems.



39. Heron Lodge – construction of flood wall stem reinforcement.



40. Lochty – construction of retaining wall reinforcement. (This is required in order to raise the road here).



41. Deer Park – construction of Reinforcement base and stem for the new Confluence Bridge at Brockhill.



42. Vector – construction of pumping station outfall opposite Deer Park.



43. Low's Weir – installation of sheet piles. The piles will be hidden under a flood embankment.



44. Cricket Pitch – commencing flood wall construction.

June 2017



45. Puddledub – installation of sheet piles (left). Temporary sheet piles and safety rail within the East Pow Burn.



46. Trout Farm – reinforcement stem of flood wall being constructed (continuation from photo 38).



47. Lochty Park – raising of Main Street (continuation from photo 40).



48. Brockhill – completed retaining wall at front of Brockhill. This is required to accommodate access roads for the raised Confluence Bridge.



49. Deer Park – construction of flood walls and erosion protection.



50. Cragneuk – commencing construction of flood walls.

July 2017



51. Puddledub – temporary damming of the East Pow Burn to allow dry working area. Water pumped forward.



52. Puddledub – water pumped back into East Pow Burn. Permanent sheet piles to protect Vector (left) and Puddledub (right). Temporary piles in the middle.



53. Lochty Park – Erosion protection complete with concrete flood walls behind. Temporary sheet piles in the burn and permanent piles to the right.



54. Vector/Access road to Low's Works – construction of flood wall



55. Cricket Pitch – construction of flood wall.



56. Black Bridge – commencing new bridge foundations.

August 2017



57. Lochty Park – continuation of flood walls and installation of piles for road bridge.



58. Deer Park – construction of flood walls and erosion protection.



59. Vector – continuation of flood walls along private access road to Lows Works Cottages etc.



60. Black Bridge – placement of new 'Black Bridge' adjacent to relocated original (see photo 31)



61. Lochty Park – foundation piles completed and ready for abutment.



62. Craignuek – construction of flood wall (right), flood wall base (left) and temporary sheet piles to stabilise surrounding ground (rear).



63. Confluence Bridge at Lows Works Cottages – new bridge completed, but due to a failure with the temporary support works the bridge deck sagged and had to be replaced.



64. Trout Farm – excavation for pumping station.



65. Lows Works Cottages – excavation complete for flood wall.



66. Trout Farm – flood wall complete and reinstatement of fish ponds commenced.



67. Cricket Pitch – linear channel of bentonite upon which the flood embankment will be erected.



68. Craigneuk – placement of flood wall stem reinforcement prior to pouring concrete wall.



69. Lochty Park – completed flood wall



70. Lows Works Cottages – flood wall base complete. Stem reinforcement being erected.



71. Deer Park – completed flood wall



72. Brockhill – base reinforcement being erected for pumping station.



73. Lochty Park – aerial view of Lochty Bridge works.



74. Black Bridge – access ramps being built.



75. Trout Farm – Tilting Weir (this structure will control flow from the Lade into Trout Farm).



75. Trout Farm – reinforced concrete structure for Tilting Weir.

November 2017



76. Lochty Bridge – ongoing construction of bridge, ready for placing the steel reinforcement for the abutments.



77. Lows Works Cottages – flood wall stem complete



78. Deer Park – flood wall base complete and stem reinforcement being erected.



79. Craigneuk – view of ongoing works to flood wall and pumping station outfall at Craigneuk.



80. Lochty Bridge – supports placed for the new concrete deck.



81. Cricket Pitch – foundation of new Community Pavilion being constructed.

December 2017



82. River Almond – very cold weather as the River Almond has frozen over!



83. Trout Farm – view looking upstream of River Almond at Trout Farm



84. Black Bridge – view looking upstream of Black Bridge



85. Black Bridge – view looking downstream of Black Bridge



86. Lochty Park – bridge abutment and deck reinforcement being placed.



87. Vector – Vector security fencing and Sheet pile flood defence wall complete.



88. Vector – new service bridge under construction.



89. Puddledub – one of several access points to the river for maintenance purposes.

January 2018