Take new power supply from existing feed in this building and install new 4c x 50mm² XLPE SWA cable to new pump house. Will require exposure of the duct in a number of places within soft landscaping

From existing Plant Room, take pump start signal used currently for Diana BH No. 1 and with appropriate shielded cable take to new Tennis Centre Pump House

Tee into existing Ø160mm PE line and install tee with 2 No. DN150 IP67 24v motorised butterfly valves. Extend branch in Ø180mm PE line in new trench up to new tank c/w signal cabling to new PH. Requires new 600mm x 900mm concrete chamber c/w D400 lid

This trench excavated with mini-digger and an extensive amount of hand-digging in order to avoid tree roots. Precise route is to be set out on site

Where this trench crosses a Ø98mm duct approximately here at 750mmbgl, install 1 No. 600 x 450mm chamber and D400 lid

For larger scale pipe work plans see other drawings of these areas

Ø160mm potable line
Ø90mm Toilet and Irrigation Tanks line
Ø160mm Round Pond line

DN150 below ground gate valves on
A: 1) Round Pond & 2) Hyde Park Reservoir discharge lines, and,
DN100 below ground gate valves on
B: Toilet tank and irrigation tank tee

Proposed Tennis Centre PH

DN100 below ground potable gate valve after reducing tee

PLANT ROOM

Excavate and expose existing Ø90mm PE and extend through open cut and reinstatement of bitmac yard existing Ø125mm PE at location shown and fit elbow

New length of Ø90mm SDR17 PE100 connected to existing Ø90mm so as to supply water from the new Tennis Centre Tank to the existing Diana Fountain Tank

Ø160mm SDR17 PE100

Ø90mm SDR17 PE100 FOR POTABLE WATER terminates in below ground hydrant, within car park area.

New Ø110 duct to carry:
1. Signal cable to switch new Diana Fountain Tank pump in lieu of Diana BH No.1
2. Signal Cable to switch BH No. 2 on from new PH
3. 10mm Fibre-optic cable (free-issue)

New Ø110 duct to carry:
1. Power cable for new PH (from Plant Room)
2. Cabling for motorised valve actuation at the site of the Diana Borehole No. 2
3. Cabling for connection of water meter to Tennis Centre pump house control centre

New Ø110 duct between here and the pump house, started with 450mm x 600mm chamber and D400 lid

Ø160mm potable line
Ø90mm Toilet and Irrigation Tanks line
Ø160mm Hyde Park Reservoir line
Ø110mm Rotten Row irrigation line
Fibre-optic 26mm multi-bundle direct burial

Pump

Serpentine Gallery

Mount Gate

Rotten Row

21.6m 20.4m 22.3m 21.2m 21.4m 20.6m

Client:
The Royal Parks

Drawing Title:
Supply of water between the Diana BH No. 2 and the tank and nearby works

Project:
Diana Borehole No.2 Water Distribution

Notes:
Please see Dwg. No.514.1.T.07 for existing pipe work, ducts etc. which are interacted with in this project. The Diana BH No. 2 was installed in 2012.
See also the as-built drawings from 2005 showing:
Dwg. No. 8080 'Diana Memorial Plant Room and Connecting Services General Assembly/Details' and
Dwg. No. 7881 'Diana Memorial Manufacturing Drawing of Tank Supplied by Condor'

Drawn By:	Date:	Scale:	Drawing No:	Rev. No:
MW	29.10.15	1:700	245.T.12	4

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