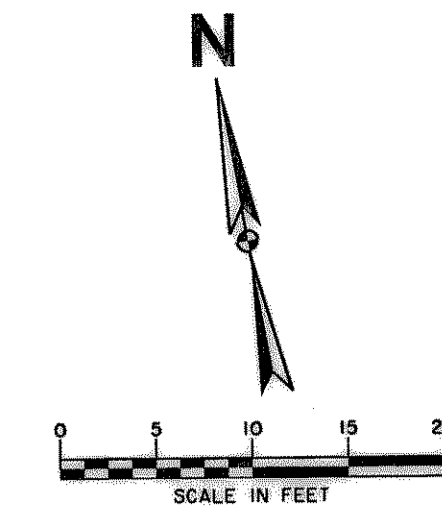


ELECTRICAL NOTES

1. REMOVE EXISTING CONDUIT AND WIRING TO THE FOUR FLOATS IN THE EXISTING WET WELL. DISCONNECT THE FLOAT WIRING AT TERMINAL BLOCK 'TB3' IN THE CONTROL CABINET AND AT THE JUNCTION BOX ON TOP OF THE WET WELL. PRESERVE THE FLOATS AND INTERNAL FLOAT CABLES FOR RE-INSTALLATION IN THE NEW WET WELL.
2. REMOVE THE CONDUIT AND WIRING FROM THE EXISTING CONTROL PANEL TO THE TWO PUMPS IN THE EXISTING DRY WELL. DISCONNECT THE PUMP WIRING AT THE LOAD TERMINALS OF THE OVERLOAD BLOCKS IN THE CONTROL CABINET AND AT THE LINE TERMINALS OF THE DISCONNECTS IN THE WET WELL.
3. REMOVE THE AUXILIARY POWER CONDUIT WIRING BETWEEN THE EXISTING CONTROL PANEL AND THE EXISTING DRY WELL. DISCONNECT THE WIRING AT THE POINT OF SERVICE IN THE CONTROL CABINET AND REMOVE ALL WIRING FROM THE DRY WELL.
4. REPLACE THE POWER CABLE AND CABLE SEALING ASSEMBLY ON EACH SUBMERSIBLE PUMP DURING REFURBISHMENT. PROVIDE A NEW POWER CABLE AT LEAST 75 FEET LONG FOR EACH PUMP.
5. PROVIDE ONE 2-1/2" PVC-COATED RIGID GALVANIZED STEEL CONDUIT FROM THE EXISTING CONTROL PANEL TO THE NEW WET WELL IN THE APPROXIMATE LOCATION SHOWN. TERMINATE THE CONDUIT WITH A SEALING FITTING JUST BELOW THE CONTROL CABINET AND A SECOND SEALING FITTING JUST INSIDE THE WET WELL. PENETRATE THE WET WELL WALL APPROXIMATELY TWO FEET BELOW THE EXTERIOR GRADE. PULL THE TWO NEW PUMP CABLES THROUGH THE CONDUIT TO THE EXISTING CONTROL CABINET AND TERMINATE THE CABLE CONDUCTORS AT THE EXISTING OVERLOAD BLOCKS. VERIFY PROPER PUMP ROTATION ON EACH MOTOR BEFORE SEALING THE TWO CONDUIT FITTINGS.
6. PROVIDE SIX #12 AWG THWN CONDUCTORS IN ONE 1" PVC-COATED RIGID GALVANIZED STEEL CONDUIT FROM THE EXISTING CONTROL PANEL TO THE NEW WET WELL IN THE APPROXIMATE LOCATION SHOWN. TERMINATE THE CONDUIT WITH A SEALING FITTING JUST BELOW THE CONTROL CABINET AND A SECOND SEALING FITTING JUST INSIDE THE WET WELL. PENETRATE THE WET WELL WALL APPROXIMATELY TWO FEET BELOW THE EXTERIOR GRADE. PROVIDE 1" LIQUIDTIGHT FLEXIBLE CONDUIT FROM THE CONDUIT ENTRY IN THE WET WELL TO AN EXPLOSIONPROOF JUNCTION BOX MOUNTED TO THE UNDERSIDE OF THE WET WELL JUST ABOVE THE FLOAT SUSPENSION POINT. REINSTALL THE FOUR FLOATS AT THE INDICATED ELEVATIONS AND CONNECT THE EXISTING FLOAT CABLES TO THE NEW WIRING INSIDE THE JUNCTION BOX. SEAL THE CABLE ENTRY TO THE JUNCTION BOX AND BOTH SEALING FITTINGS. TERMINATE FOUR #12 CONDUCTORS TO TERMINAL BLOCK 'TB3' WITH THE 'OFF FLOAT' AT F1, THE 'ON FLOAT' AT F2, THE 'LAG FLOAT' AT F3, AND THE 'HIGH WATER FLOAT' AT F4. TERMINATE ONE #12 CONDUCTOR TO THE COMMON RETURN AT 'TB2' AND THE FINAL #12 TO THE CONTROL PANEL GROUND BUS.
7. PROVIDE ONE 300-A, 3-POLE SPARE CIRCUIT BREAKER IN THE CONTROL PANEL TO ACCEPT THE CONNECTION OF A PORTABLE GENERATOR TO BE PROVIDED BY THE CITY. INTERLOCK NEW CIRCUIT BREAKER WITH PANEL MAIN CIRCUIT BREAKER SUCH THAT ONLY ONE MAY BE CLOSED AT A TIME.



KIRBY ALBRIGHT
Vol. 1067, Pg. 62

SRE, LTD.
Vol. 1103, Pg. 284

SIGNAL RIDGE NO.4
Cab. B, Pg. 91-92

CITY OF DALLAS
Vol. 68, Pg. 467
(Lake Ray Hubbard)

2-STORY
RESIDENTIAL
BUILDING

SIGNAL RIDGE NO.4
Cab. B, Pg. 91-92

EXISTING
CONCRETE PARKING

EXISTING WET WELL (7'DIA.)
MH ACCESS = 450.39
WELL BOTTOM = 426.89
FL 10" IN (W.) = 435.34
FL 6" IN (S.) = 441.69
FL 6" IN (SE) = 440.09

CENTER OF VALVE VAULT
N 7012347.2021
E 2568335.9146

CENTER OF LIFT STATION
N 7012332.8438
E 2568333.8856

RECORD DRAWINGS - JANUARY 13, 2003
THIS RECORD DOCUMENT HAS BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE CONSULTANT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY J. H. WATERFIELD, JR., P.E. 38977 ON DECEMBER 3, 2001.



LEGEND

- WATER**
- EX. W - EXISTING WATER
 - WM - METER
 - WV - WATER VALVE
- WASTEWATER**
- EX. SS - EXISTING WASTEWATER
 - (Circle with arrow) - EXISTING WASTEWATER MANHOLE
 - (Circle with arrow and dot) - NEW WASTEWATER
 - (Circle with arrow and dot) - NEW WASTEWATER MANHOLE
- ELECTRIC**
- (Square with X) - ELECTRICAL TRANSFORMER (XFMR)
 - (Star in circle) - REFER TO ELECTRICAL NOTE *

ELECTRICAL PLAN						
LINE 'C' - LIFT STATION						
SIGNAL RIDGE						
CITY OF ROCKWALL, TEXAS						
Huff-Zollars, Inc.						
Dallas, Ft Worth, Houston, El Paso, Albuquerque, Denver, Phoenix, Tustin, Ontario, Seattle, Tacoma						
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