CONDUIT SCHEDULE - 300 SERIES

NO.	FROM	TO	CONDUIT	WIRE	COMMENT
C301	HIGH DISCHARGE PRESSURE SWITCH	SEWAGE PUMP No.1 VFD PANEL	3/4	2#14, #14G	120 VOLT CONTROL HIGH PRESSURE SHUTDOWN △1
C302	HIGH DISCHARGE PRESSURE SWITCH	SEWAGE PUMP No.2 VFD PANEL	3/4	2#14, #14G	120 VOLT CONTROL HIGH PRESSURE SHUTDOWN
C303	HIGH DISCHARGE PRESSURE SWITCH	SEWAGE PUMP No.3 VFD PANEL	3/4	2#14, #14G	120 VOLT CONTROL HIGH PRESSURE SHUTDOWN
C311	THERMOSTAT	EVAPORATIVE COOLER EC-6 (SHEET E105)	3/4	2#14, #14G	120 VOLT COOLER PUMP CONTROL

* TSP = TWISTED SHIELDED PAIR INSTRUMENTATION CABLE, SEE SPECIFICATIONS

KEYNOTES

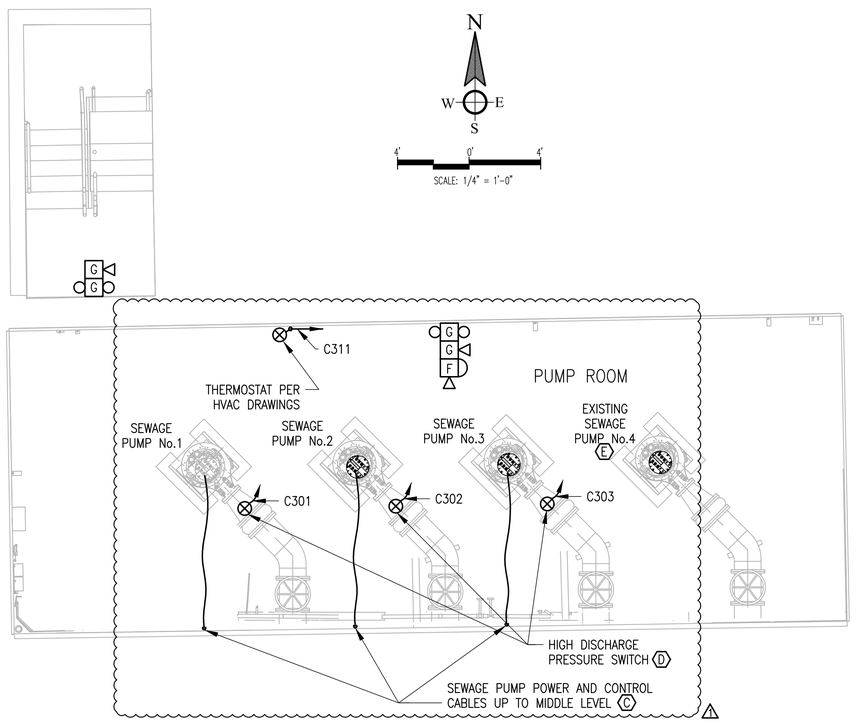
A. REMOVE EXISTING LIGHTING FIXTURE AND REPLACE WITH NEW FIXTURE. CONNECT TO EXISTING CIRCUIT "LV"-9a.

B. REMOVE EXISTING LIGHTING FIXTURE AND REPLACE WITH NEW FIXTURE. CONNECT TO EXISTING CIRCUIT "LV"-7 (CIRCUIT IS SWITCHED BY SWITCH "h" SHOWN ON SHEET E102).

C. SEE KEYNOTES J AND K ON SHEET E103 REGARDING TERMINATION OF PUMP CABLES. ROUTE CABLES IN THE LOWER LEVEL OVER THE HOIST RAILS TO THE PUMPS. PROVIDE STRAIN RELIEF CORD GRIPS WITH STAINLESS STEEL GRIPPING MESH SIZED FOR CABLE AS REQUIRED FOR CABLE SUPPORT (MINIMUM ONE GRIP PER PUMP DIRECTLY OVER PUMP).

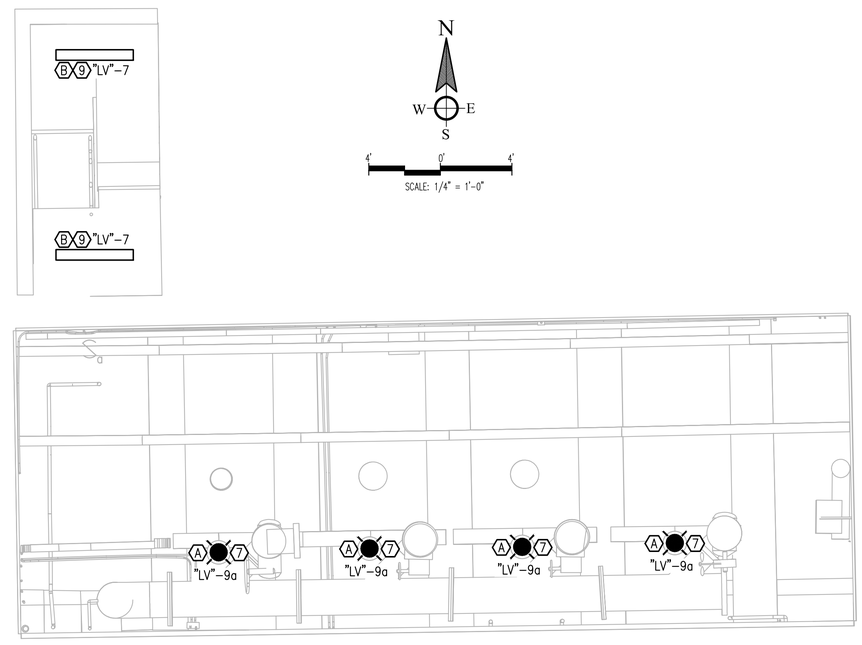
D. HIGH DISCHARGE PRESSURE SWITCH, 3-150 PSI ADJUSTABLE RANGE, DPDT CONTACTS, ADJUSTABLE DIFFERENTIAL, NEMA 4 ENCLOSURE, SQUARE D CLASS 9012 GAW25. MOUNT TO ANNULAR SEAL IN PUMP DISCHARGE PIPING PROVIDED UNDER MECHANICAL DRAWINGS.

E. REROUTE EXISTING PUMP 4 CABLES THROUGH CEILING TO AMTCH PUMPS 1, 2 AND 3 CABLE ROUTING, SEE KEYNOTE C. △1



LOWER LEVEL ELECTRICAL POWER PLAN

SCALE: 1/4"=1'-0"



LOWER LEVEL ELECTRICAL LIGHTING PLAN

SCALE: 1/4"=1'-0"

RCE
RICHARD CANNEY ENGINEERING
12381 E. FORT LOWELL ROAD
TUCSON, ARIZONA 85749
PHONE: (520) 615-8006
FAX: (520) 615-6495
E-MAIL: canney@att.net

NO.	REVISIONS DURING BIDDING	APPV'D.	DATE
△1	REVISION	RPC	7/18/16

Registered Professional Engineer (Civil)
CERTIFICATE NO. 14502
RICHARD P. CANNEY
9/8/15
ARIZONA U.S.A.
EXPIRES 6/30/17

DESIGNED BY : R.P.C.
DRAWN BY : R.P.C.
CHK'D BY (DESIGN) : M.F.T.
CHK'D BY (FIELD ENGR) :
FIELD BOOK NO. :

PIMA COUNTY
REGIONAL WASTEWATER
RECLAMATION DEPARTMENT

PIMA COUNTY
WASTEWATER RECLAMATION
201 North Stone Avenue * Tucson, Arizona 85701-1207 * Phone: (520) 740-6500

CONTINENTAL RANCH
REGIONAL PUMP STATION
UPGRADE DESIGN
LOWER LEVEL ELECTRICAL
POWER AND LIGHTING PLANS

R-2014-079
G-2014-078

Date: SEPT. 8, 2015

SCALE: HORIZ. : 1/4"=1'
VERT. : N/A

SHEET NO. : E104
75 OF 91

RCE JOB No. 13107
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