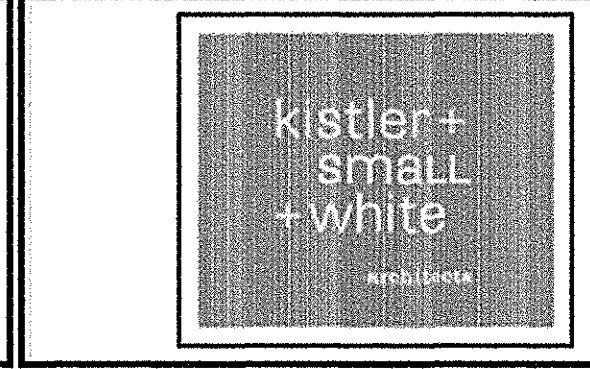
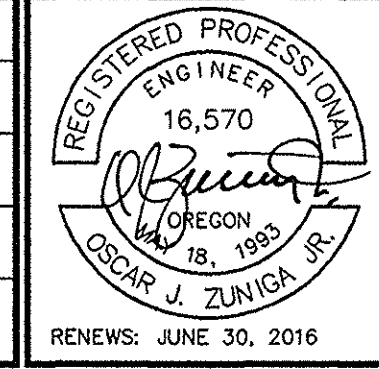


1 ELECTRICAL SITE PLAN

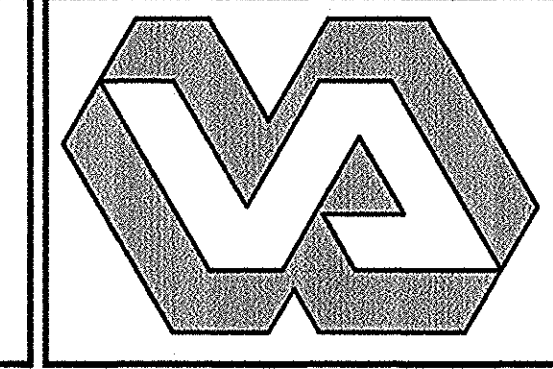
SCALE: 1" = 60'-0"

Jul 21, 2015 - 10:56am

REVISIONS	DATE
GENERATOR FEEDER DUCTBANK	7/20/15



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DRAWING TITLE:
ELECTRICAL SITE PLAN

PROJECT TITLE
REPLACE DOM BLDG. 203

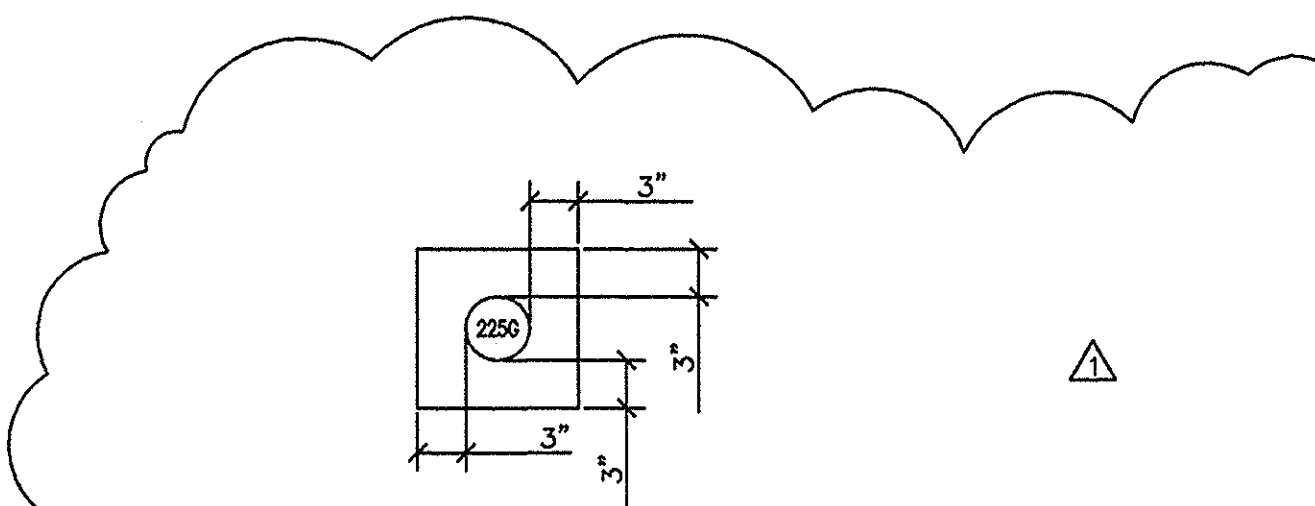
DRAWN BY: WDL	DATE: 4 AUGUST 2014
CHECK BY: WDL	VA PROJECT NO.: 692-339

DWG. 6 OF 27

US DEPARTMENT OF VETERANS AFFAIRS

2 EXTERIOR LIGHTING - CONTROL DIAGRAM

SCALE: NOT TO SCALE



THE POWER CONDUIT TAG CORRESPONDS WITH THE RISER DIAGRAM FEEDER SCHEDULE.

DUCTBANK SECTION

DUCTBANK NOTES:

1. CONCRETE SHALL BE 2500 P.S.I. @ 28 DAYS.
2. PROVIDE REINFORCING RODS ON TOP OF DUCTS WHEN CROSSING OR PLACED IN ROADWAYS.
3. MINIMUM COVER TO TOP OF ENVELOPE SHALL BE 24" [610mm].
4. NON-FERROUS TIE WIRES TO BE IMBEDDED IN DUCT BED CONCRETE.
5. POWER CONDUIT SIZES PER RISER DIAGRAM FEEDER SCHEDULE.
6. CONCRETE SHALL BE COLORED RED PER SPECIFICATION.
7. POWER CONDUITS SHALL BE ROUTED AROUND OR UNDER MANHOLES.

3 DUCTBANK SECTION AND NOTES

SCALE: NOT TO SCALE

KEYED NOTES

1. PRE-DEMOLITION NOTE. THE INCOMING CABLE TELEVISION SERVICE FOR ENTIRE CAMPUS ROUTES FROM UTILITY AT THE FENCELINE DIRECTLY TO THE BASEMENT OF BUILDING 203. PRIOR TO DEMOLITION OF BUILDING 203, COORDINATE OUTAGE AND RECONNECTION WITH CHARTER CABLE TELEVISION. ROUTE NEW 4" CONDUIT UNDERGROUND FROM MANHOLE TO NEW IN-GROUND BOX WITH TRAFFIC RATED COVER (INDICATED) AT FRONT RAMP. INTERCEPT EXISTING FEED AT BOX. CHARTER TO RECONNECT AND TEST PRIOR TO DEMOLISHING OLD SERVICE.
2. EXISTING STREET LIGHTS TO REMAIN.
3. PRE-DEMOLITION NOTE. CONTRACTOR SHALL RE-ROUTE SECURITY CAMERA FEED ROUTE (OLD ROUTE: FROM PRESENT TERMINATION FEEDING THROUGH THE BASEMENT OF B203 TO CAMERA; NEW ROUTE: FROM PRESENT TERMINATION FEEDING THROUGH THE BASEMENT OF B203/B204 TUNNEL VIA JUNCTION BOX (KEYED NOTE 3) NEW 1-INCH UNDERGROUND CONDUIT TO CAMERA).
4. PRE-DEMOLITION NOTE. SIGNAGE: VA HAS DETERMINED THE SIGNAGE CIRCUIT IS CONNECTED TO THE EXISTING EAST-WEST STREET LIGHTING CIRCUIT ROUTED TO THE SOUTH OF THE NEW BUILDING. CONTRACTOR SHALL KEEP SIGNAGE CIRCUIT IN OPERATION THROUGHOUT THE PROJECT.
5. PRE-DEMOLITION NOTE. CONTRACTOR SHALL PROVIDE FLAG-LIGHT (CIRCUITING AND CONTROL) FROM TWO NEW 30A-1POLE CIRCUIT BREAKERS IN (E) PANEL 204M IN BASEMENT OF B204. ROUTE NEW 1" CONDUIT UNDERGROUND FROM MANHOLE TO NEW IN-GROUND BOX WITH TRAFFIC RATED COVER (INDICATED) AT FRONT RAMP. INTERCEPT EXISTING FEEDS AT BOX. CONDUCTORS: (3) #6 CU THWN PER CIRCUIT (TWO CIRCUITS). RE-ROUTE CIRCUIT TO NEW BUILDING 203 BASEMENT ONCE BASEMENT IS READY FOR ELECTRICAL INSTALLATIONS.
6. PRE-DEMOLITION NOTE. REMOVE (E) 100 PAIR TELEPHONE CABLE, 24-COUNT MULTIMODE FIBER, AND PUBLIC ADDRESS AMPLIFIER HOME RUN CABLE FROM (E) B203. PULL CABLES BACK TO (E) MANHOLE ADJACENT TO WEST SIDE OF CC202. COIL INSIDE MANHOLE. PROTECT EXPOSED END OF CABLES FROM MOISTURE AND TAG "FUTURE BUILDING 207 FEED".
7. NEW POLE-MOUNTED LUMINAIRE (TYPE N) AT NORTH RAMP AND SIDEWALK. SEE EXTERIOR LIGHTING CONTROL DETAIL FOR CIRCUIT AND CONTROL INFORMATION. CIRCUIT 204E-14.
8. NEW POLE-MOUNTED LUMINAIRE (TYPE N) AT SOUTH RAMP AND SIDEWALK. SEE EXTERIOR LIGHTING CONTROL DETAIL FOR CIRCUIT AND CONTROL INFORMATION. CIRCUIT 204E-14.
9. NEW IN-GRADE JUNCTION BOX FOR NORTH SIDEWALK LIGHTING.
10. PRE-DEMOLITION NOTE. REMOVE BUILDING 203 FACP (FIRE ALARM CONTROL PANEL) FROM THE CAMPUS FIRE ALARM SYSTEM NETWORK LOOP (NOTIFIER NET). REMOVE CABLE FROM BUILDING 204 FACP (NODE "B") TO BUILDING 203 FACP (NODE "A"). COMPLETE THE BYPASS BY DISCONNECTING THE NETWORK CABLE FROM BUILDING 203 FACP (NODE "B") AND PULLING THE CABLE BACK TO BUILDING 204 AND CONNECTING TO FACP (NODE "B"). TEST THE NEW NETWORK CONNECTIONS AND VERIFY A SYSTEM NORMAL CONDITION IS ACHIEVED ON THE NETWORK. COORDINATE SCHEDULE OF WORK WITH VA SAFETY PERSONNEL AND THE COTR FOR FIRE WATCH PURPOSES.
11. NEW POLE-MOUNTED LUMINAIRE (TYPE N) AT FRONT RAMP. SEE EXTERIOR LIGHTING CONTROL DETAIL FOR CIRCUIT AND CONTROL INFORMATION. CIRCUIT 204E-14.
12. PROVIDE NEW 225 AMP FEEDER FROM GENERATOR DISTRIBUTION PANEL TO AUTOMATIC TRANSFER SWITCH '203SBTS' VIA FUSIBLE DISCONNECT '203G'; SEE ELECTRICAL POWER DISTRIBUTION DIAGRAM 1/EO.2. LOCATE AND FOLLOW LINE OF EXISTING UNDERGROUND ELECTRICAL UTILITY DUCTBANK FROM GENERATOR BUILDING TO UTILITY TUNNEL BENEATH CONNECTING CORRIDOR CC204 TO PROVIDE A PATHWAY FOR 225G FEEDERS. RUN THE NEW FEEDER AS A CONCRETE-ENCASED DUCTBANK. SEE DUCTBANK DETAIL, THIS SHEET.