

Alisha R Jensen

Project Inspector, DSA Class 1, #3961
1185 Douglas Ct. Concord, Ca. 94520
(510) 224-0807

Inspector Field Report

Project: Loma Vista Adult School
Emergency Electrical Cable Replacement

Date: 07-10-21

Client: MDUSD
Attn: Ms. Dinah Baharin, Senior Construction Manager
1480 Gasoline Alley Concord, Ca. 94520

Description of inspections performed:

DBA Cal Elite Builders on site. A crew of 6 are working concurrently on the demolition of the existing 500 mcm cable in the parking lot and the temporary power for the Class room buildings on the east end of the campus. They removed the existing 500 mcm cables from the underground between pull boxes A, B, and C. Once the cables were removed, the line was mandrel tested. The conduit between PTA and PTB will require repair of the pipe midway, as the mandrel would not go through without interruption in the line. The mandrel testing between PTB and PTC tested out ok. A camera was utilized to perform this work. For the temporary power, I asked to maintain monitoring of the fire alarm system at the affected buildings. Power for the temp power was brought from panel HA for the 480/277, and over to panel LC (208/120). Power from panel B(208/120) was brought over to LC. The disconnects were also tied in. The fire alarm was taken from the panel inside the electrical room (HA) and brought over to LC. Once the fire alarm was tied in, a random device was tested, with the main fire alarm panel showing no troubles once verified and cleared. System was taken off of test at the monitoring company.

All new cabling was megger tested to ensure sheathing continuity. Voltage was checked at all panel locations.

Temporary power was set up, with fire alarm functioning properly.

The pull boxes in the parking lot are to be replaced with correct sizes/installation.

The contractor has sawcut at pull box B in anticipation of removal. The new cables do not arrive until Friday the 16th.



PT B pull box



Existing 500 mcm's



3" Mandrel



Existing pull box, conduit, and 500 MCM's (damaged)



Jul 10, 2021 at 10:49:43 AM
3036 Wildewood Dr
Concord CA 94518
United States

Pull Box A



Jul 10, 2021 at 2:38:24 PM
1250 San Carlos Ave
Concord CA 94518
United States

Pull Box A



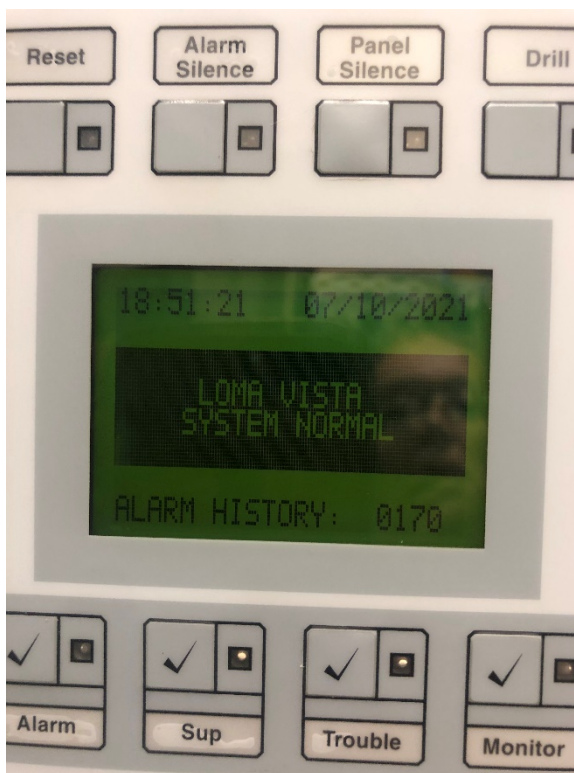
Panel HA



Panel LC and transformer (tied in)



#12 AWG wire and #10 AWG (on spool)



Fire alarm panel clear

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Inspector Field Report

Project: Loma Vista Adult School
Emergency Electrical Cable Replacement

Date: 07-17-21

Client: MDUSD
Attn: Ms. Dinah Baharin, Senior Construction Manager
1480 Gasoline Alley Concord, Ca. 94520

Description of inspections performed:

Cal Elite Builders on site with a crew of 9. MDUSD was also on site (Mario). There were two areas where the mandrels would not travel through the existing conduit due to obstructions in the lines. A camera was also sent through the conduit as specified to locate the location of the deformity in the conduit. The existing asphalt was removed and the area was excavated to expose where the mandrel got stuck. The affected piece of conduit was cut out, obstruction removed and new conduit installed in its place. The same areas were backfilled and asphalt replaced. New Christy boxes were provided at PT B and PT C per note 2 on EDU-1 drawing. The patch next to the switchgear on the West side will need to have a Christy box installed at the location where a spare was discovered for access. Christy box was not on site at the time of work. Pullies and tuggers were set up at the pull boxes and the new 500 mcm cables were manually fed through to each pull box. All cables were protected during pulling as to not tear any sheathing. All cable was installed and the remaining work will be to land the cables at each set of switch gear. Megger testing of the cables and torque testing of the lugs performed. Torque value of the lugs are provided on the label installed in the

dead front of the switchgear panel (or on breaker itself). Megger testing showed continuity throughout the run on all phases. A final report shall be issued when all Remaining items, including any punch list items are addressed.



500 mcm laid out at main switch gear and Pt A



Cable for the new circuits (2)



Jul 17, 2021 at 1:39:50 PM
Concord CA 94518
United States
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Electricians protecting the sheathing from the ground



Pt B pullbox (new) with new 500 mcm cables



Set up for pulling cable with 45 degree radius bend



Asphalt patch back where conduit was repaired (2 locations)



Force meter to monitor force during pulling

Jul 17, 2021 at 12:18:34 PM
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Pull Box B

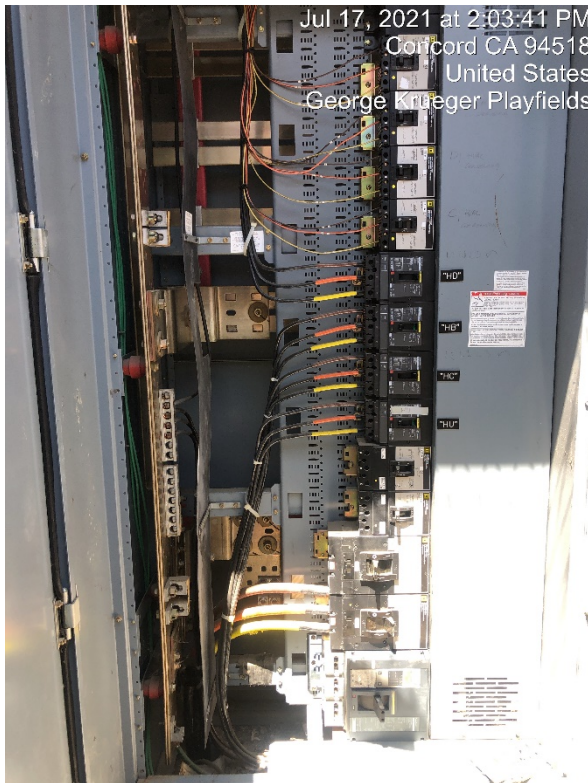
Jul 17, 2021 at 1:09:23 PM
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Jul 17, 2021 at 1:08:47 PM
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Concord CA 94518
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Setting up tugging and pulleys



Jul 17, 2021 at 2:03:41 PM
Concord CA 94518
United States
George Krueger Playfields

Panel