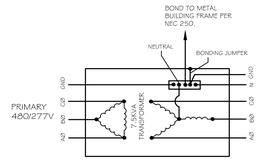
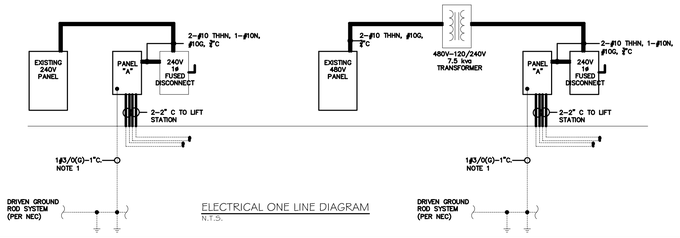


TRANSFORMER NOTES:
TRANSFORMER SHALL BE A 480V - 120Y/240V 7.5KVA DRY TYPE, COMPLETELY ENCLOSED WITH OPENINGS FOR VENTALATION.

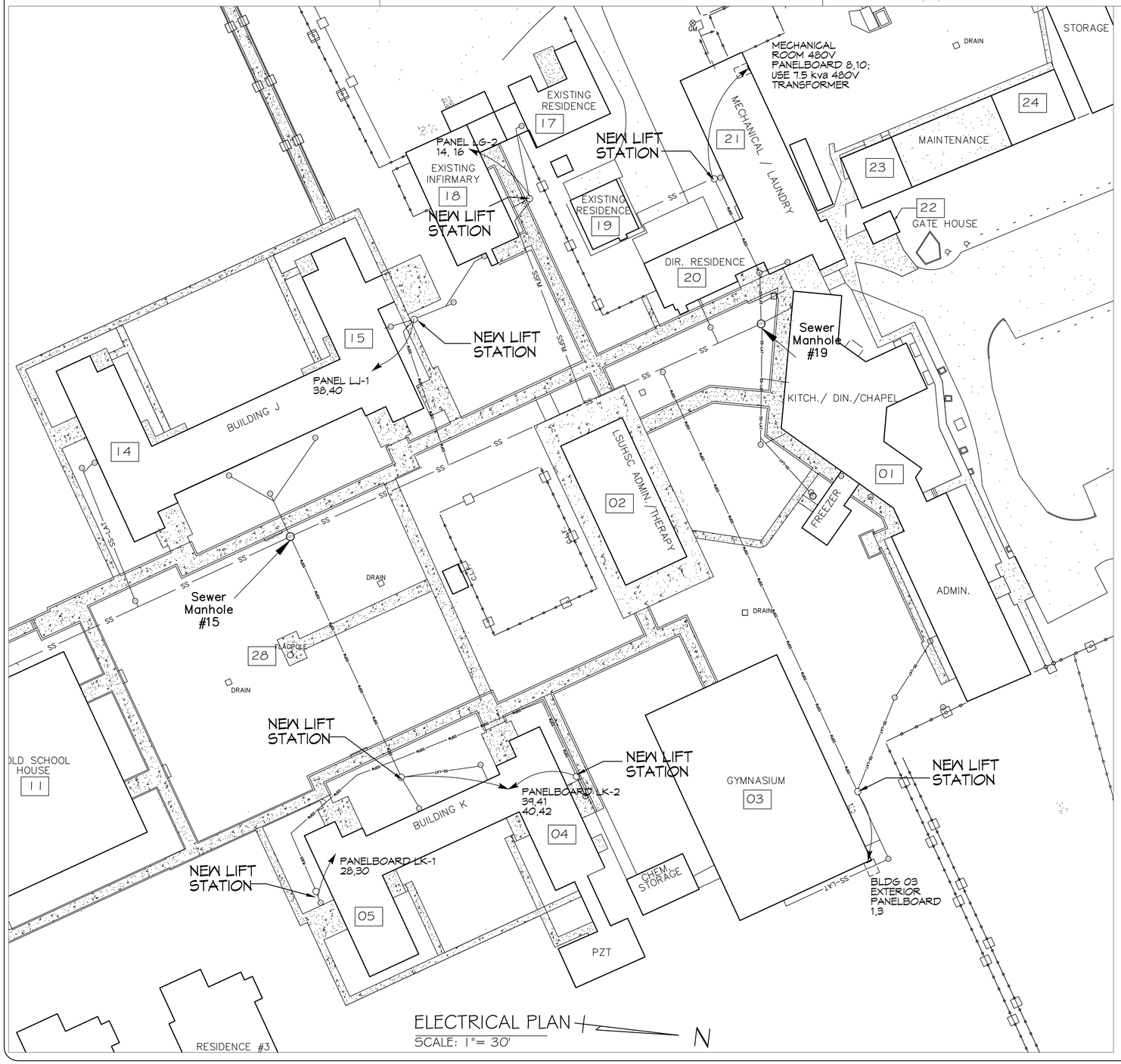
TRANSFORMER GROUNDING DETAIL (TYP.)
N. T. S.



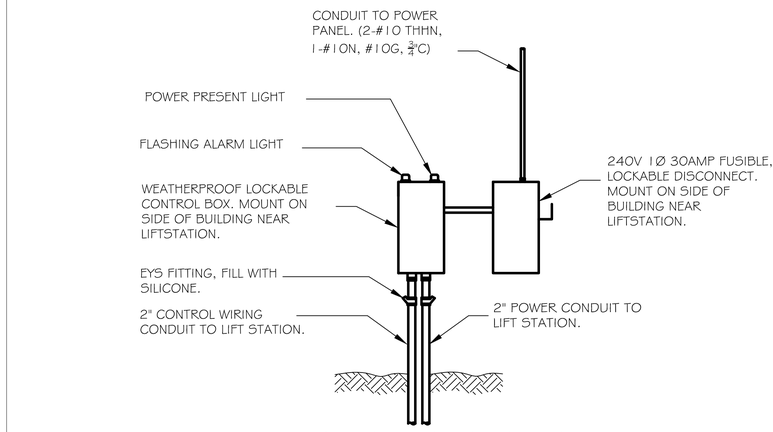
ELECTRICAL ONE LINE DIAGRAM
N.T.S.

LEGEND

- SS — SS — EXISTING SEWER LINE TO REMAIN
- SS-LAT — NEW GRAVITY SEWER LATERAL
- SSFM — NEW FORCE MAIN
- (SC) NEW CLEAN-OUT
- (MH) EXISTING MANHOLE
- 09 BLDG NUMBER



ELECTRICAL PLAN
SCALE: 1"= 30'



LIFT STATION ELECTRICAL SERVICE
N.T.S.

ELECTRICAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. THE EXACT LOCATION OF LIFT STATION CONTROLS AND ROUTING OF CONDUIT, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
7. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
8. MINIMUM CONDUCTOR SIZE SHALL BE COPPER THWN #10, 600V INSULATION. MIMINUM SIZE CONDUIT SHALL BE 3/4" EMT FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS.
9. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTER-RUPTING CAP.
10. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
11. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NEC.
12. DRIVEN GROUND RODS WHICH DO NOT HAVE A RESISTANCE TO GROUND OF 10 OHMS OR LESS SHALL BE AUGMENTED UNTIL THE RESISTANCE TO GROUND IS 10 OHMS OR LESS. LIGHTENING ARRESTER LEADS TO BE ATTACHED TO THE MCB AS PER MOST RECENT NEC ARTICLE # 280. ALL GROUND RODS SHALL BE DRIVEN UNTIL TOP OF GROUND ROD IS A MINIMUM OF 12" BELOW GRADE.
13. CONTROL PANEL ELECTRICAL SYSTEM SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED AS REQUIRED BY NEC.
14. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
15. ELECTRICAL CONTRACTOR TO MAKE ALL ELECTRICAL CONNECTIONS TO THE LIFT STATION.
16. ALL CONTROL CIRCUIT WIRES SHALL BE TERMINATED WITH FORK TYPE CRIMP-ON CONNECTORS AND SHALL HAVE AN ADJACENT HEAT SHRINK NUMBER, CORRESPONDING EACH CONNECTOR WITH NUMBERS AS INDICATED ON THE SCHEMATIC.
17. EACH DEVICE IN THE CONTROL CIRCUIT SHALL BE IDENTIFIED WITH THE PROPER CONTROL CIRCUIT ABBREVIATION AS SHOWN IN THE TABLE AND ON THE SCHEMATIC.
18. FROM THE REAR SIDE OF THE DEAD FRONT HINGED PANEL, ALL WIRES SHALL BE NEATLY LACED TOGETHER INTO A HARNESS AND TERMINATED INTO A TERMINAL STRIP.
19. WHEN CONNECTIONS ARE COMPLETE IN THE CONNECTION BOX, COAT THE TERMINAL BLOCKS AND WIRE ENDS WITH PROTECTIVE COMPOUND, NO-OXIDE OR EQUAL, TO PREVENT CORROSION.

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SEWER SYSTEM RENOVATION
BRIDGE CITY CENTER FOR YOUTH
PROJ.NO. 08-403-11-01 PART 1
3225 RIVER ROAD
BRIDGE CITY, LA 70094

JOB No:	2156	DATE:	6/10/2014
DRAWN BY:	DPD	CHECKED BY:	BM

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#	DESCRIPTION	DATE

REVISIONS

STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
6/10/2014
REGISTERED PROFESSIONAL ENGINEER

ELECTRICAL PLAN

SHEET No: 08 OF 08

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