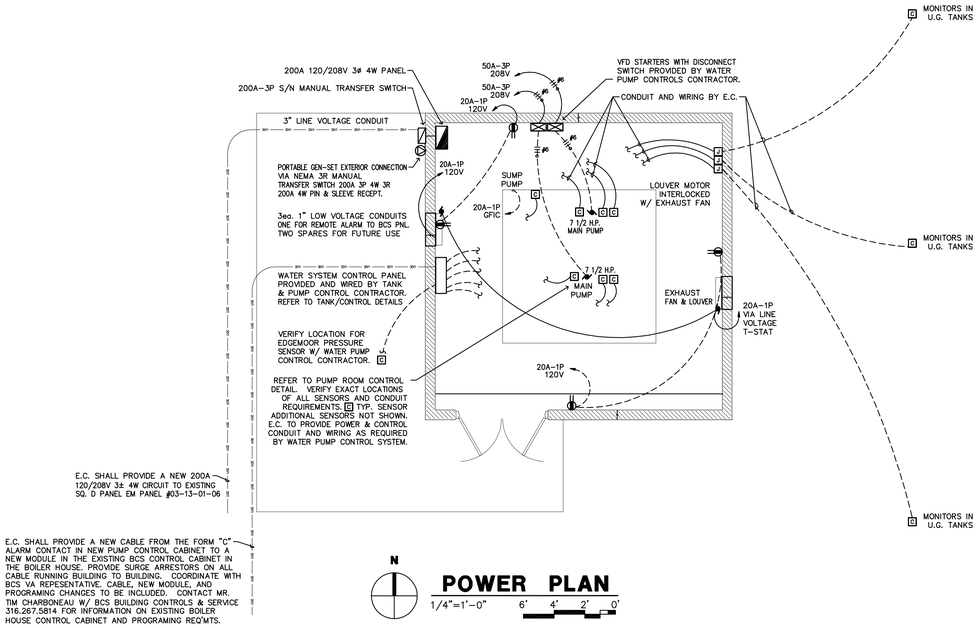


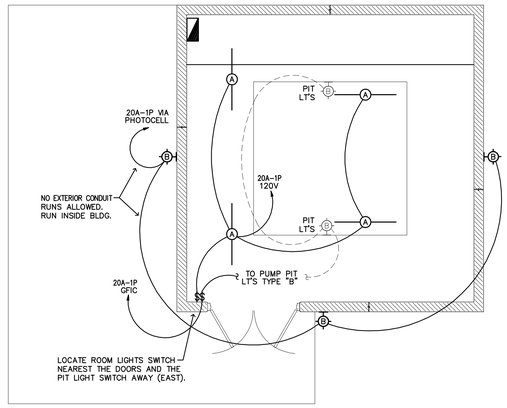
N

POWER PLAN

1/4"=1'–0" 6' 4' 2' 0'

WATER STORAGE BUILDING – LIGHT FIXTURE SCHEDULE

TYPE "A" – WILLIAMS # 77–4–254–EB2–120V LAMPS: 2 – F54T5HO/841 MOUNTING: CHAIN SET
TYPE "B" – STONCO # WP–49LED–4K–8 LAMPS: LED'S INCLUDED MOUNTING: WALL MT. VERIFY HT.



LIGHTING PLAN

0' 2' 4' 6' 1/4"=1'–0"

N

GENERAL NOTES

1. THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR REVIEW ALL ARCHITECTURAL, CIVIL, ELECTRICAL PLANS AND SPECIFICATIONS/ADDEDUMS FOR ADDITIONAL INFORMATION AND/OR COORDINATION. ADDITIONAL ELECTRICAL REQUIREMENTS MAY BE INCLUDED IN THE ABOVE REFERENCED DOCUMENTS THAT THE E.C. IS RESPONSIBLE FOR PROVIDING AND/OR INSTALLING.
2. REFER TO THE ARCHITECTURAL PLANS/SPECIFICATIONS FOR A COMPLETE, DETAILED LIST OF ALL ALTERNATES/BID ITEMS.
3. ALL LINE VOLTAGE WIRING SHALL BE COPPER IN STEEL CONDUIT & STEEL BOXES, UNLESS SPECIFICALLY NOTED OTHERWISE. EACH CONDUIT CONTAINING LINE VOLTAGE SHALL CONTAIN A GREEN, INSULATED GROUND CONDUCTOR. THIN WALL CONDUIT SHALL NOT BE INSTALLED FOR EXTERIOR USE. ALL CONDUITS ROUTING SHALL BE INSTALLED PARALLEL AND PERPENDICULAR. ALL CONDUIT PENETRATIONS OF FIRE RATED WALLS SHALL BE SEALED WITH AN APPROPRIATELY RATED FIRE STOP MATERIAL.
4. STRAIGHT RUNS UNDERGROUND / IN SLAB CONDUIT MAY BE SCHEDULE 40 PVC, 1" MINIMUM WITH STEEL ELLS, BENDS AND RISERS. ALL RISERS PENETRATING SLAB OR EXITING FROM EARTH SHALL BE RIGID STEEL. NO EXCEPTIONS.
5. ALL CONDUITS STUBBED OUT OF BUILDING, SHALL BE CAPPED AND MARKED.
6. E.C. IS RESPONSIBLE FOR THE RELOCATION OF ALL ELECTRICAL DEVICES, EXISTING OR NEW, DUE TO ANY ARCHITECTURAL MODIFICATIONS. REFER TO THE ARCHITECTURAL PLANS, SPECIFICATIONS AND ADDENDA FOR: NEW DOOR LOCATIONS, WALL REMOVAL, WALL ADDITIONS, CEILING MODIFICATIONS, ETC.
7. EXTERIOR EXPOSED CONDUIT RUNS WILL NOT BE PERMITTED. (EXCEPT AS SPECIFICALLY NOTED OTHERWISE ON PLAN.)
8. REFER TO ARCHITECTURAL PLANS/SPECIFICATIONS FOR A DETAILED DESCRIPTION OF ALL ALTERNATES/BID ITEMS. ELECTRICAL WORK MAY BE INVOLVED THAT DOES NOT SHOW ON THE ELECTRICAL PLANS.
9. ALL NEW CONDUIT SHALL BE INSTALLED CONCEALED INSIDE NEW CONSTRUCTION. ANY NEW SURFACE MOUNTED RACEWAYS IN REMODELED, FINISHED AREAS, SHALL BE APPROVED IN WRITING BY THE ARCHITECT PRIOR TO INSTALLATION. SURFACE MOUNTED RACEWAY IN REMODELED, FINISHED AREAS SHALL BE WIREMOLD # 500/700. RUNS SHALL BE PARALLEL/PERPENDICULAR TO STRUCTURE.
9. IT IS THE INTENTION OF THE ENGINEER/ARCHITECT THAT ALL CONDUITS/RACEWAYS SHALL BE CONCEALED FROM VIEW IN FINISHED AREAS. ROOMS SUCH–AS MULTIPURPOSE, ROOMS WITH "OPEN" STRUCTURE CEILINGS, VERTICAL RACEWAYS TO BE CONCEALED WITH–IN WALLS, HORIZONTAL RACEWAYS TO BE BELOW SLAB OR ABOVE DECK (IF STRUCTURE ALLOWS). ANY EXPOSED RACEWAYS, IN NEW CONSTRUCTION, SHALL BE APPROVED, IN WRITING, BY THE ARCHITECT PRIOR TO INSTALLATION.
12. RACEWAYS, OUTLET BOXES, PANELBOARDS, ETC. SHALL NOT UTILIZE PLASTIC ANCHORS FOR ATTACHMENT TO BUILDING ELEMENTS. PLASTIC ANCHORS WILL NOT BE PERMITTED FOR USE AT ANY LOCATION. EACH OUTLET BOX SHALL BE SECURED TO THE BUILDING STRUCTURE SUCH THAT THE ATTACHMENT WILL SAFELY SUPPORT A MINIMUM LOAD OF 50 POUNDS. ANCHORS SHALL BE STEEL SLEEVE EXPANSION TYPE, 1/4" MINIMUM.
13. E.C. SHALL VISIT SITE TO DETERMINE : 1.) EXISTING CONDITIONS. 2.) THE EXTENT OF DEMOLITION. ANY CONFLICTS BETWEEN PLANS/SPECIFICATIONS AND ACTUAL EXISTING CONDITIONS THAT AFFECT CONSTRUCTABILITY, SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID. NO EXCEPTIONS.
14. CONTRACTOR SHALL PROVIDE DIGITAL (jpg) PICTURES OF ALL WORK INCLUDED IN EACH PAY APPLICATION. PICTURES FOR UNDERGROUND WORK SHALL INCLUDE TAPE MEASURE TO INDICATE DEPTH. UNDERGROUND PICTURES SHALL ALSO SHOW ALL RGS–TO–PVC RISERS. PICTURES SHALL SHOW DEPTH OF ALL UTILITY CROSSINGS. PROVIDE A MINIMUM OF 15 PICTURES PER SITE. 2 PHOTO'S PER POLE AND BUILDING RISER LOCATION ARE REQUIRED, #1 TO READ TAPE MEASURE, #2 THE SAME SHOT AT A WIDER ANGLE (SHOWING ENOUGH BACKGROUND) TO IDENTIFY SITE LOCATION. WHERE NEW CONCRETE ENCASED ELECTRODES ARE INDICATED, PICTURES ARE REQUIRED, 3 MIN. (TAKEN BEFORE CONCRETE PLACEMENT) SHOWING THE FULL CONDUCTOR LENGTH & AT THE POINT WHERE THE CONDUCTOR EXITS THE CONCRETE. IN THE EVENT THAT THE REQUIRED PICTURES ARE NOT CORRECTLY SUPPLIED TO THE ARCHITECT/ENGINEER, THE CONTRACTOR, AT HIS SOLE EXPENSE, SHALL EXPOSE AND PHOTO THE ABOVE LISTED ITEMS.

ELECTRICAL SCOPE OF WORK

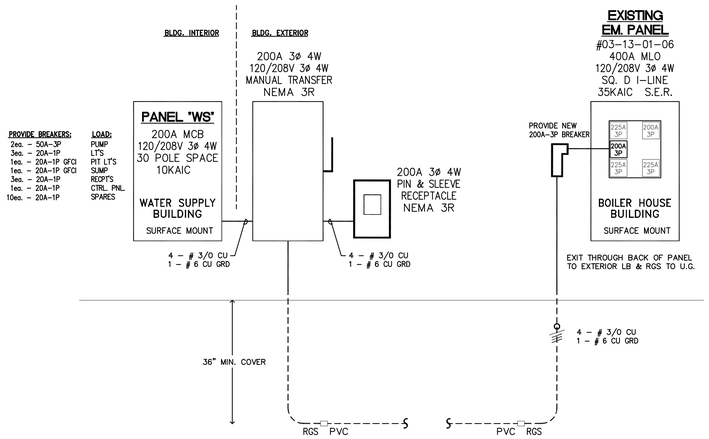
GENERAL CATEGORIES FOR WORK

1. PROVIDE/INSTALL NEW UNDER GROUND ELECTRICAL SERVICE TO PUMP BUILDING.
2. PROVIDE/INSTALL NEW UNDER GROUND LOW VOLTAGE CONDUITS TO PUMP BUILDING.
3. PROVIDE/INSTALL NEW POWER AND LIGHTING SHOWN FOR NEW PUMP BUILDING.
4. PROVIDE/INSTALL CONDUITS, CABLES, AND WIRING FOR WATER PUMP SYSTEM AND CONTROLS. ALL MONITOR SYSTEM COMPONENTS, SENSORS, CONTROL PANEL AND ANNUNCIATOR, SHALL BE SUPPLIED BY WATER PUMP CONTROL SYSTEM SUPPLIER. E.C. SHALL WIRE CONTROLS AS PER THE WIRING DIAGRAMS SUPPLIED BY THE WATER PUMP SYSTEM SUPPLIER.
5. DIRECTIONAL BORING MAY BE REQUIRED TO MEET REQUIREMENTS OF "NO ROADWAY DAMAGE". THE EXISTING PARKING LOTS, ROADWAYS, CURBS, AND GUTTERS ARE NOT TO BE DAMAGED BY ANY OF THE WORK BY THIS JOB. SMALL DRIVE CUTS MAY BE REQUESTED & APPROVED IN WRITTING BEFORE ANY CUTS ARE STARTED. THE E.C. SHALL BE RESPONSIBLE FOR ALL WORK PERFORMED BY HIS COMPANY OR SUBCONTRACTOR(S). E.C. SHALL REESTABLISH GRADE AND GRASS TO ALL NONPAVED AREAS EFFECTED BY THIS WORK TO THE SATISFACTION OF THE VA.

IT IS THE INTENT OF THIS WORK THAT THE ELECTRICAL CONTRACTOR, (E.C.) SHALL PROVIDE EVERY REASONABLE PRECAUTION AND TEMPORARY ELECTRICAL WORK TO MINIMIZE ANY NEGATIVE EFFECT OF HIS WORK TO ANY VA OPERATION OR VA SYSTEM.

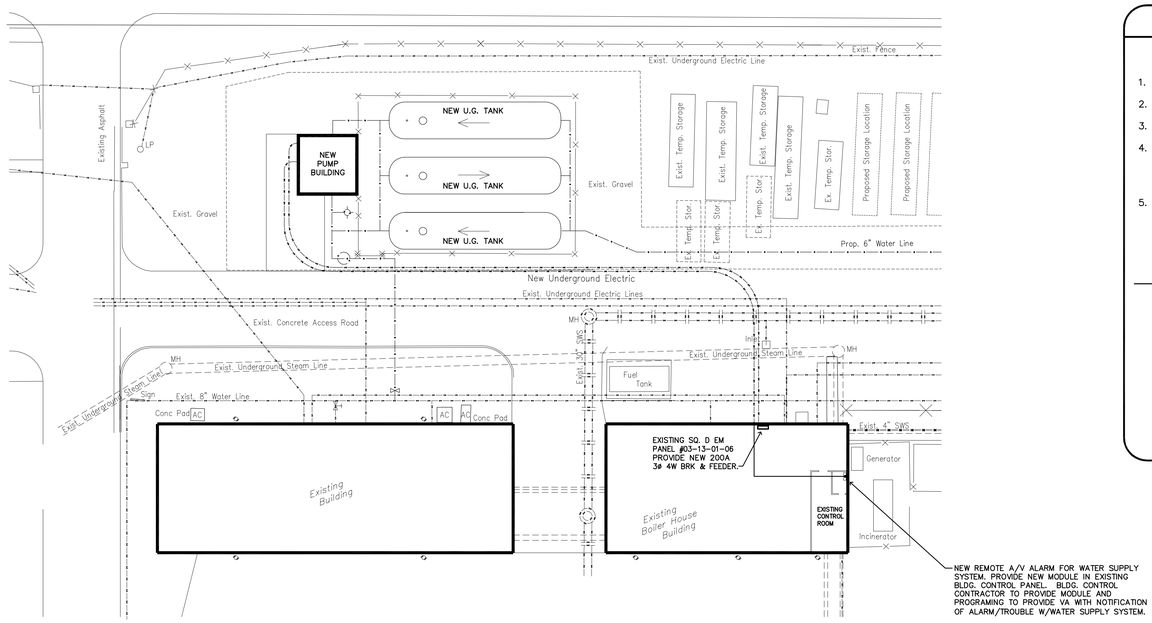
THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CONTINUOUS OPERATION OF ALL VA SYSTEMS. E.C. SHALL PROVIDE ALL REQUIRED EQUIPMENT AND MANPOWER TO MINIMIZE ANY DISRUPTIVE IMPACT FROM HIS WORK TO THE VA OPERATION OR TO ANY VA SYSTEM.

IF IT IS DETERMINED, IN THE OPINION OF THE VA, THAT ADDITIONAL PRECAUTIONS OR TEMPORARY ELECTRICAL WORK IS REQUIRED, THE E.C. SHALL PROVIDE THE ADDITIONAL PRECAUTION &/OR WORK WITHOUT ADDITIONAL COST TO THE VA.



DISTRIBUTION DIAGRAM

N.T.S.



ELECTRICAL SITE PLAN

0' 10' 20' 40' 1" = 20'

N

REVISIONS	DATE
BLDG. LOCATION & ORIENTATION CHANGES	4-1-13

RICHARD ◇ B KRAYBILL ARCHITECT
230 LAURA
WICHITA, KANSAS 67211
316-263-0721
WWW.KRAYBILLARCHITECT.COM

DALE ALLEN JOHNSON LICENSED 16500 PROFESSIONAL ENGINEER
4-1-13
JOHNSON ENGINEERING
330 S. LAURA ST.
WICHITA, KS 67211
(316) 264–1953
jedsl@swbell.net

PROJECT TITLE
CONSTRUCT BACKUP WATER SYSTEM

PROJECT NUMBER
589A7-12-127

BUILDING NUMBERS
CAMPUS

LOCATION
WICHITA VAM&ROC #452
5500 E KELLOGG

ISSUE DATE
6-20-2014

CHECKED
D.A.J.

DRAWN
D.A.J.

DRAWING NO.
E100

DWG 1 OF

Office of Facilities Management

Department of Veterans Affairs