



NUMBERED LEGEND

- ① CONNECT TO EXISTING 277 / 480V-3 PHASE-4W MIDAMERICAN ENERGY PAD MOUNTED TRANSFORMER PER MIDAMERICAN SPECIFICATIONS. CONTRACTOR SHALL COORDINATE INSTALLATION WITH MIDAMERICAN ENERGY COMPANY (MEC).
- ② PROPOSED METERING STATION WITH NEW 277 / 480V 3 PHASE DISCONNECT SWITCH AND 7 PIN METER / SOCKET PER DETAIL ON SHEET 37.
- ③ PROPOSED 80 L.F. OF 4" DIA. RIGID GALVANIZED STEEL DUCT, DIRECT BURY FOR DITCH CROSSING PER DETAIL ON SHEET 37. 36" MINIMUM COVER. USE 2 EACH 11 1/4 DEGREE WIDE SWEEP BENDS.
- ④ PROPOSED 4-1/C, #2, 600V, TYPE U.S.E. POWER CABLES IN 2" C BETWEEN TRANSFORMER AT ① AND METER AT ② AND PROPOSED 3-1/C, #6, 600V, TYPE U.S.E. POWER CABLES IN 2" UNIT DUCT BETWEEN METER AT ② AND POWER & CONTROL STATION AT ⑦ ALONG WITH 1/C #1/0 BARE COPPER GROUND WIRE. INSTALL GROUND RODS ALONG CABLE RUN AT 90' MAXIMUM INTERVALS AND CONNECT TO GROUND WIRE. INSTALL PER TRENCH DETAIL (A) ON SHEET 38.
- ⑤ PROPOSED 3-WAY DUCT BANK TO BE PAID FOR SEPARATELY UNDER CONTACT ITEM AR110503. SEE LIGHTING PLAN.
- ⑥ PROPOSED 95 L.F. OF 4" DIA. RIGID GALVANIZED STEEL DUCT TO BE JACKED IN PLACE TO A POINT THAT IS 10' BEYOND THE FUTURE EOP. MINIMUM COVER = 4'. GROUND DUCT TO GUARD WIRE. RESTORE JACKING PIT AREA TO ORIGINAL CONDITION.
- ⑦ PROPOSED POWER AND CONTROL STATION LOCATED AT R5 STATION 17+06, LEFT 240' PER DETAILS ON SHEET 38.
- ⑧ PROPOSED 8-1/C, #8, 600V, TYPE U.S.E. POWER CABLES & 4 #6 GROUND IN 3" C; FOUR EACH 6 PR #19, SHIELDED CONTROL CABLES IN SECOND 2" C ALONG WITH 1/C #1/0 BARE COPPER GROUND WIRE BETWEEN LOCATIONS ⑦ AND ⑨. INSTALL PER TRENCH DETAIL (B) ON SHEET 38.
- ⑨ PROPOSED 4' ELECTRIC HANDHOLE PER DETAIL ON SHEET 39.
- ⑩ PROPOSED 4 EACH PAPI LAMP HOUSING ASSEMBLY UNITS PER DETAILS ON SHEET 39 AND LHA LAYOUT DETAIL ON THIS SHEET.
- ⑪ EXISTING MIDAMERICAN ENERGY TRANSFORMER TO REMAIN IN PLACE.
- ⑫ EXISTING POST MOUNTED METER / SOCKET AND DISCONNECT SWITCH TO BE REMOVED PER MIDAMERICAN ENERGY COMPANY REQUIREMENTS. SALVAGE EQUIPMENT PER GENERAL NOTE 1.
- ⑬ EXISTING VASI CABLES TO BE ABANDONED IN PLACE.
- ⑭ EXISTING FOUR EACH VASI UNITS TO BE REMOVED. REMOVE LEGS, CHANCE SCREW ANCHORS, AND BASE ROCK. BACKFILL AREA WITH TOPSOIL. FERTILIZE, SEED AND MULCH AREA PER SECTION 901 / 908 OF THE STANDARD SPECIFICATIONS. INCLUDE ALL COSTS IN AR801622 CONTRACT UNIT PRICE. SALVAGE EQUIPMENT PER GENERAL NOTE 1.
- ⑮ PROPOSED 3/4" X 10' COPPERCLAD GROUND ROD WITH EXOTHERMIC WELD CONNECTIONS (SPACED AT 10' MIN. APART) PER DETAIL ON SHEET 39.
- ⑯ REMOVE 6" OF EXTG. TOPSOIL AND INSTALL 6" OF PROP. IDOT CA-6 COMPACTED CRUSHED ROCK, 6" MIN. DEPTH, ON GEOTEXTILE FABRIC. INCLUDE COSTS IN AR801622 CONTRACT UNIT PRICE.

GENERAL NOTES:

1. THE CONTRACTOR SHALL SALVAGE THE EXISTING VASI SYSTEM EQUIPMENT AS DETAILED IN THE CONSTRUCTION PLANS AND SPECIAL PROVISIONS. SALVAGED EQUIPMENT SHALL BE CLEANED AND DELIVERED TO THE FAA.
2. THE REMOVAL OF THE EXISTING VASI SYSTEM AND SUPPLYING / INSTALLATION OF THE PROPOSED PAPI SYSTEM (INCLUDING, BUT NOT LIMITED TO, WIRING, CABLES, GROUNDING, CABLE TRENCHING, ELECTRICAL EQUIPMENT, CONDUIT, DUCT, FITTINGS, REBAR, CONCRETE, CRUSHED AGGREGATE ROCK, TESTING, REMOVAL AND DISPOSAL OF EXISTING FOUNDATIONS, AIMING, AND ALL OTHER ASSOCIATED WORK) SHALL BE INCLUDED AND PAID FOR UNDER CONTRACT ITEM AR801622, "REPLACE VASI WITH PAPI" UNLESS NOTED OTHERWISE.
3. CABLE MARKERS AS DETAILED ON SHEET 34 SHALL BE INSTALLED OVER THE PAPI CABLES. THE LEGEND ON THE MARKERS SHALL BE AS DIRECTED BY THE FAA AND/OR THE RESIDENT ENGINEER. CABLE MARKERS SHALL BE INSTALLED AT ALL BENDS AND EVERY 200' ALONG THE CABLE RUNS. REMOVE & DISPOSE OF THE EXISTING OLD VASI CABLE MARKERS.
4. SEE PLAN & PROFILE SHEETS FOR LOCATION OF EXISTING UNDERGROUND ELECTRICAL, UTILITIES, AND FIELD TILES.
5. SEE SHEETS 33 THROUGH 35 FOR ELECTRICAL NOTES AND DETAILS.

POWER & CONTROL CABLES NOT SHOWN

PAPI (LHA) LAYOUT DETAIL

LEGEND:

- ☼ EDGE LIGHT
- GUIDANCE SIGN
- ELECTRICAL CABLE
- - - EXISTING UG VASI CABLES
- - - DRAINAGE DITCH
- - - CONDUIT OR DUCT BANK
- - - FUTURE PAVEMENT
- - - PROPOSED CONDUIT OR DUCT BANK
- - - PROPOSED UG PAPI CABLES

