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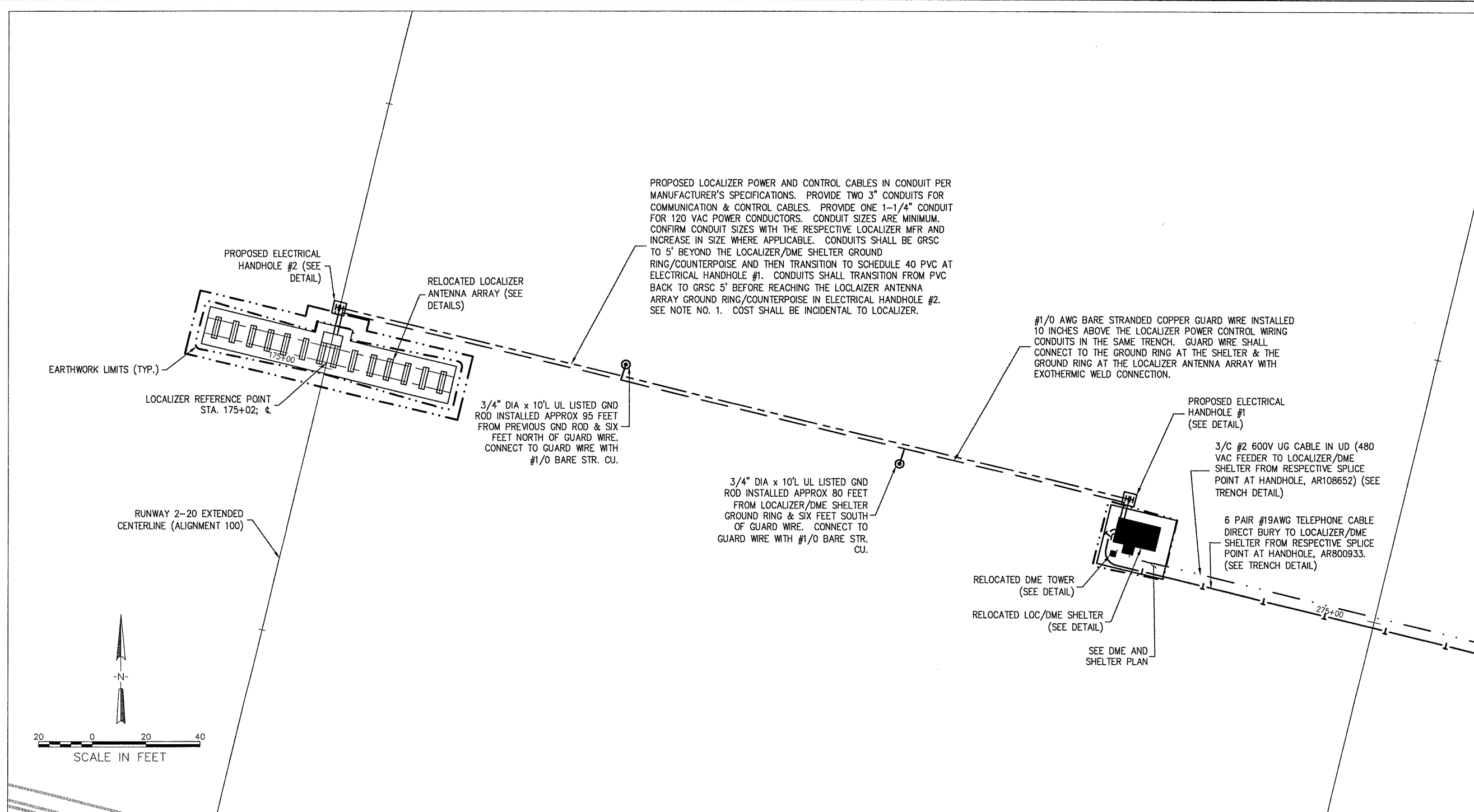


JOLIET REGIONAL PORT DISTRICT

1 George Michas Drive
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EXTEND RUNWAY 2-20: CONSTRUCT
TAXIWAY TURNAROUND

AIP PROJECT NO. 3-17-0140-B42
IDA PROJECT NO. LOT-3792



PROPOSED LOCALIZER POWER AND CONTROL CABLES IN CONDUIT PER MANUFACTURER'S SPECIFICATIONS. PROVIDE TWO 3" CONDUITS FOR COMMUNICATION & CONTROL CABLES. PROVIDE ONE 1-1/4" CONDUIT FOR 120 VAC POWER CONDUCTORS. CONDUIT SIZES ARE MINIMUM. CONFIRM CONDUIT SIZES WITH THE RESPECTIVE LOCALIZER MFR AND INCREASE IN SIZE WHERE APPLICABLE. CONDUITS SHALL BE GRSC TO 5' BEYOND THE LOCALIZER/DME SHELTER GROUND RING/COUNTERPOISE AND THEN TRANSITION TO SCHEDULE 40 PVC AT ELECTRICAL HANDHOLE #1. CONDUITS SHALL TRANSITION FROM PVC BACK TO GRSC 5' BEFORE REACHING THE LOCALIZER ANTENNA ARRAY GROUND RING/COUNTERPOISE IN ELECTRICAL HANDHOLE #2. SEE NOTE NO. 1. COST SHALL BE INCIDENTAL TO LOCALIZER.

#1/0 AWG BARE STRANDED COPPER GUARD WIRE INSTALLED 10 INCHES ABOVE THE LOCALIZER POWER CONTROL WIRING CONDUITS IN THE SAME TRENCH. GUARD WIRE SHALL CONNECT TO THE GROUND RING AT THE SHELTER & THE GROUND RING AT THE LOCALIZER ANTENNA ARRAY WITH EXOTHERMIC WELD CONNECTION.

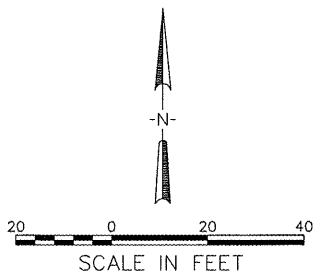
3/4" DIA x 10'L UL LISTED GND ROD INSTALLED APPROX 95 FEET FROM PREVIOUS GND ROD & SIX FEET NORTH OF GUARD WIRE. CONNECT TO GUARD WIRE WITH #1/0 BARE STR. CU.

3/4" DIA x 10'L UL LISTED GND ROD INSTALLED APPROX 80 FEET FROM LOCALIZER/DME SHELTER GROUND RING & SIX FEET SOUTH OF GUARD WIRE. CONNECT TO GUARD WIRE WITH #1/0 BARE STR. CU.

3/C #2 600V UG CABLE IN UD (480 VAC FEEDER TO LOCALIZER/DME SHELTER FROM RESPECTIVE SPLICE POINT AT HANDHOLE, AR108652) (SEE TRENCH DETAIL)

6 PAIR #19AWG TELEPHONE CABLE DIRECT BURY TO LOCALIZER/DME SHELTER FROM RESPECTIVE SPLICE POINT AT HANDHOLE, AR800933. (SEE TRENCH DETAIL)

RUNWAY 2-20 EXTENDED CENTERLINE (ALIGNMENT 100)



NOTES

1. SPlicing OF COAXIAL AND/OR CONTROL CABLES WILL NOT BE ALLOWED. SPlicing OF POWER AND/OR GROUND CABLES SHALL BE APPROVED BY THE RESIDENT ENGINEER.
2. TOPSOIL TO BE STRIPPED UNDER ALL AGGREGATE PADS.
3. AGGREGATE PADS TO BE 6" IDOT CA-6 AGGREGATE OVER VAPOR BARRIER. AGGREGATE PAID UNDER ITEM AR208606. VAPOR BARRIER PAID UNDER ITEM AR800968.

LEGEND

- PROPOSED LOCALIZER AND DME POWER CABLE
- PROPOSED LOCALIZER POWER AND CONTROL CABLE
- PROPOSED TELEPHONE
- PROPOSED HANDHOLE
- EXISTING LIGHT POLE
- EXISTING STORM SEWER MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING FLARED END SECTION
- EXISTING MONITORING WELL
- EXISTING FIRE HYDRANT
- EXISTING AIRFIELD SIGN
- EXISTING AIRFIELD SIGN FOUNDATION
- EXISTING BASE MOUNTED LIGHT
- EXISTING STAKE MOUNTED LIGHT
- EXISTING IN-PAVEMENT LIGHT
- EXISTING POWERPOLE
- EXISTING TELEPHONE PEDESTAL
- EXISTING TAXIWAY EDGE LIGHTS
- EXISTING RUNWAY EDGE LIGHTS
- EXISTING STORM SEWER
- EXISTING AERIAL ELECTRIC
- EXISTING FENCE
- EXISTING TELEPHONE CABLE
- EXISTING GAS LINES
- EXISTING ELECTRICAL CABLE
- EXISTING PROPERTY LINE
- EXISTING LIGHT CABLE
- EXISTING PROPERTY LINE
- EXISTING FENCE
- EXISTING LIGHTING CABLES (CIRCUIT X)
- EXISTING PAPI CABLES

No.	Drawing Issue Description	Date	By

Date
APRIL 18, 2008
Sheet Title

RELOCATED LOCALIZER AND SHELTER AREA PLAN

07A0166
Project Number
KNL 03/15/08
Layout By Date
KNL 03/15/08
Designed By Date
RMH 03/20/08
Reviewed By Date
LDH
Drawn By Sheet No.

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