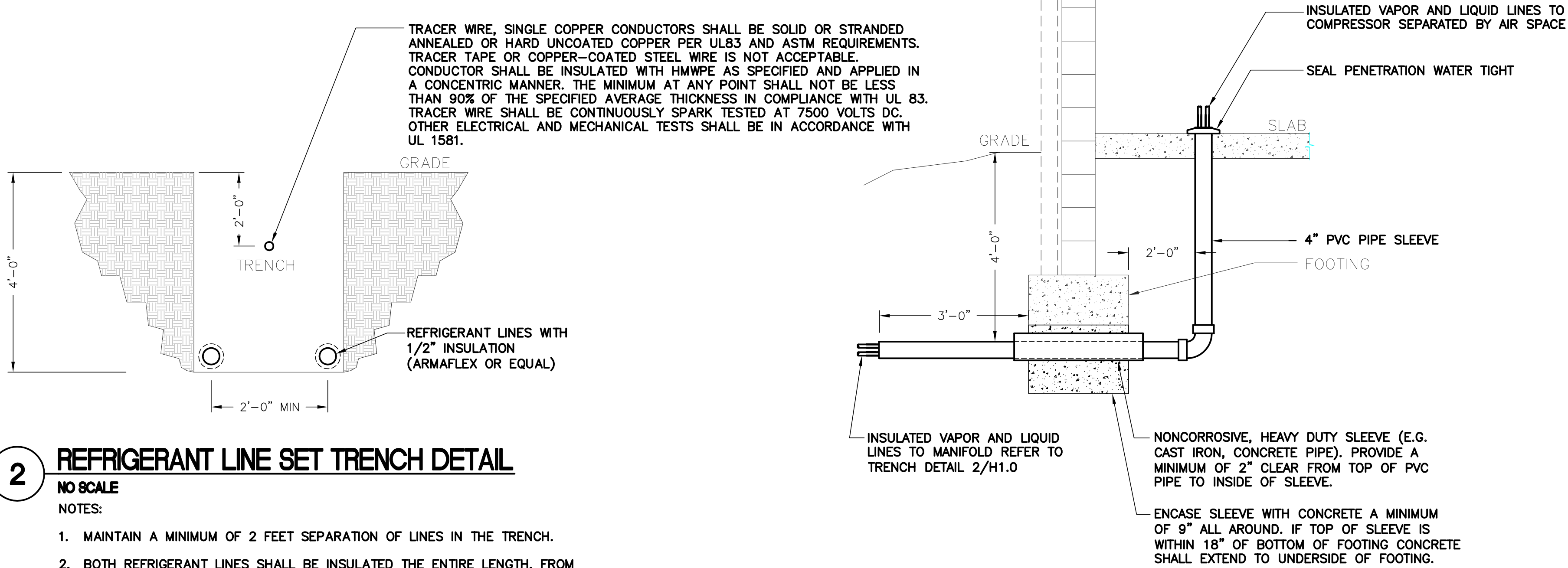


GENERAL SHEET NOTES

1. DIRECT GEO EXCHANGE DETAILS ARE SCHEMATIC IN NATURE. THE INSTALLATION DETAILS ARE BASED ON EARTHLINKED TECHNOLOGIES INSTALLATION MANUAL. INSTALLING CONTRACTOR SHALL INSTALL SYSTEM PER AWARDED MANUFACTURER'S INSTALLATION REQUIREMENTS AND HAVE SUCCESSFULLY COMPLETED ALL TRAINING REQUIRED BY MANUFACTURER FOR INSTALLATION OF SYSTEM.



2 REFRIGERANT LINE SET TRENCH DETAIL

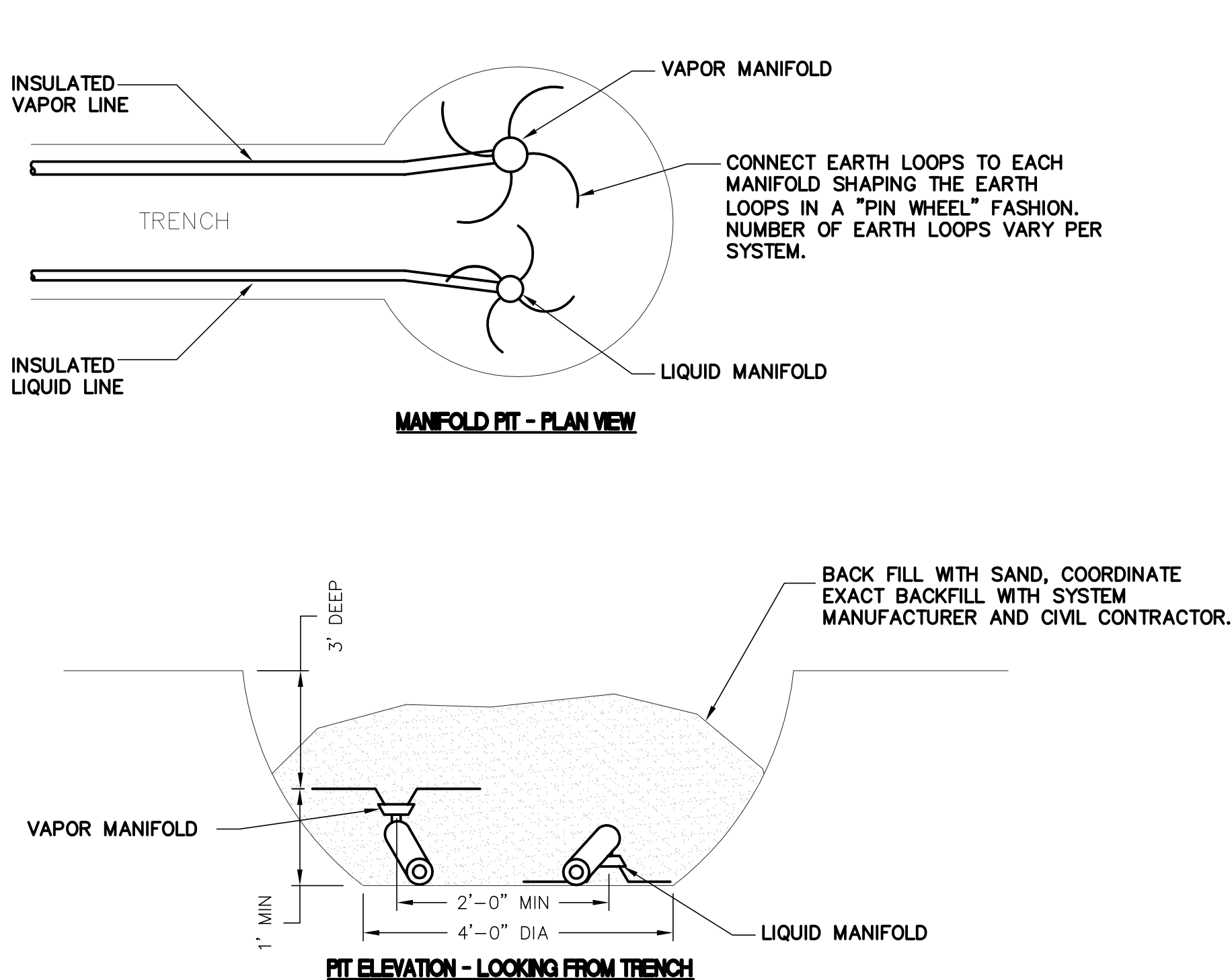
NO SCALE

NOTES:

1. MAINTAIN A MINIMUM OF 2 FEET SEPARATION OF LINES IN THE TRENCH.
2. BOTH REFRIGERANT LINES SHALL BE INSULATED THE ENTIRE LENGTH, FROM MANIFOLDS TO COMPRESSOR UNIT, REFER TO SPECIFICATION FOR INSULATION TYPE.
3. TUBING BENDS SHALL HAVE A MINIMUM RADIUS OF 12".
4. BACKFILL TRENCH WITH IMPORTED ENGINEERED FILL - NO ROCKS OR SHARP OBJECTS SHALL BE IN FILL.
4. ALL LINE SET SIZES PER MANUFACTURER REQUIREMENTS.

3 LINE SET BUILDING ENTRANCE DETAIL

NO SCALE

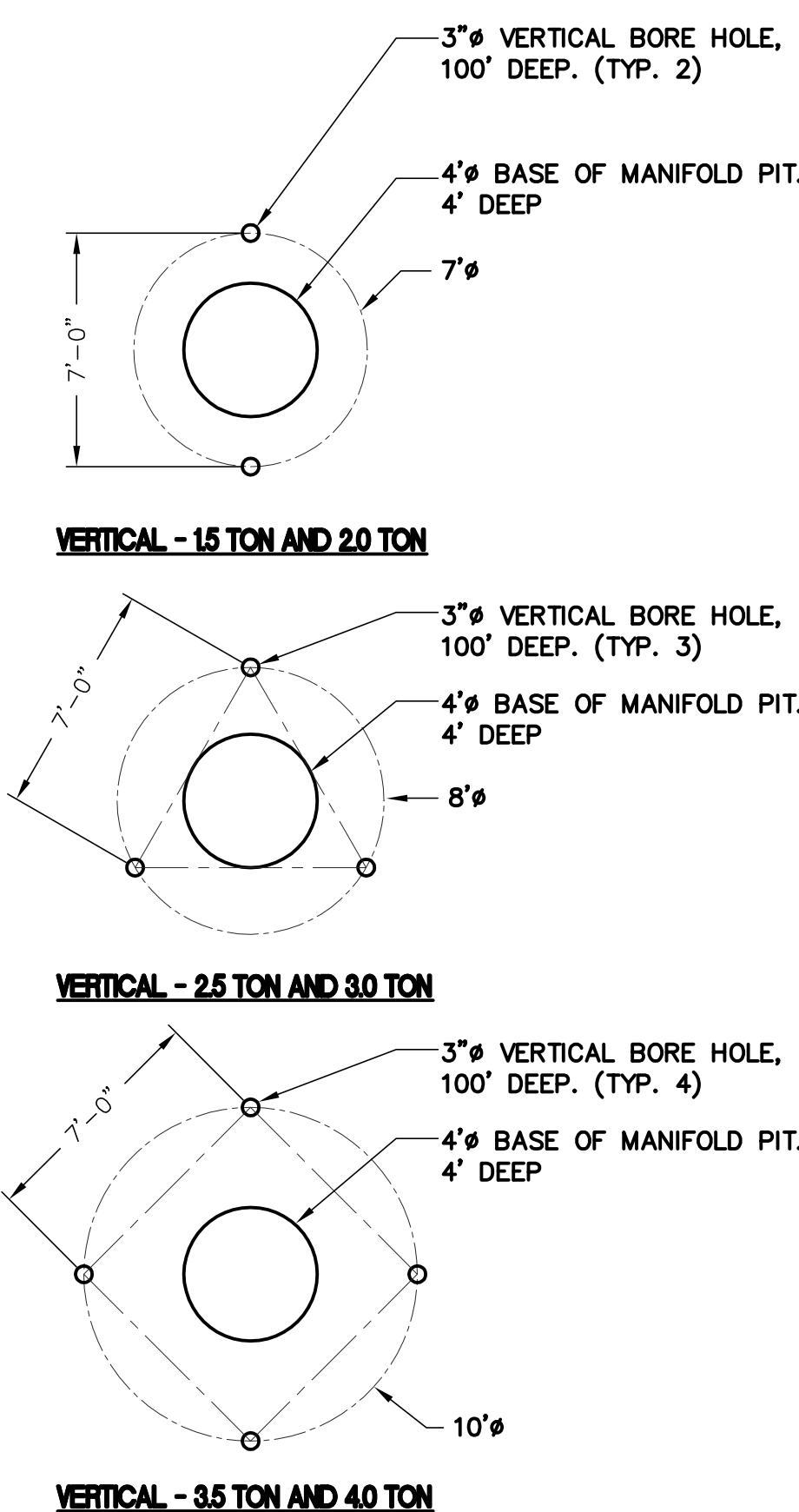


4 MANIFOLD PIT DETAIL

NO SCALE

NOTES:

1. MAINTAIN A MINIMUM OF 2 FEET SEPARATION OF LINES IN THE TRENCH.
2. BOTH REFRIGERANT LINES SHALL BE INSULATED THE ENTIRE LENGTH, FROM MANIFOLDS TO COMPRESSOR UNIT, REFER TO SPECIFICATION FOR INSULATION TYPE.
3. TUBING BENDS SHALL HAVE A MINIMUM RADIUS OF 12".
4. ALL LINE SET SIZES PER MANUFACTURER REQUIREMENTS.

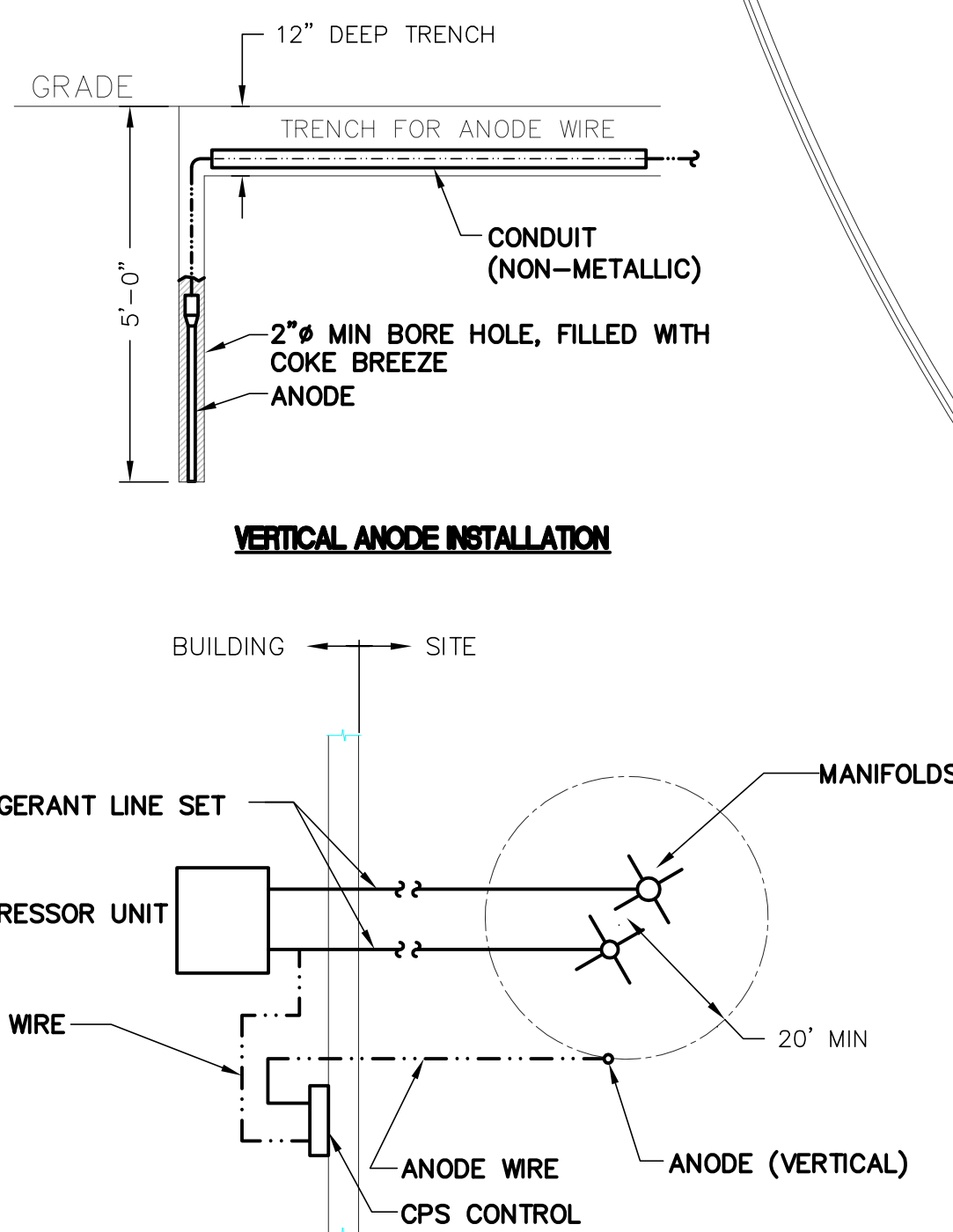


5 VERTICAL EARTH LOOP DETAIL

NO SCALE

NOTES:

1. MAINTAIN A MINIMUM OF 7 FEET SEPARATION OF THE VERTICAL BORE HOLES.
2. GROUT BORE HOLES PER MANUFACTURER'S REQUIREMENTS.
3. MAINTAIN A MINIMUM OF 15' SEPARATION BETWEEN VERTICAL EARTH LOOPS SYSTEMS.

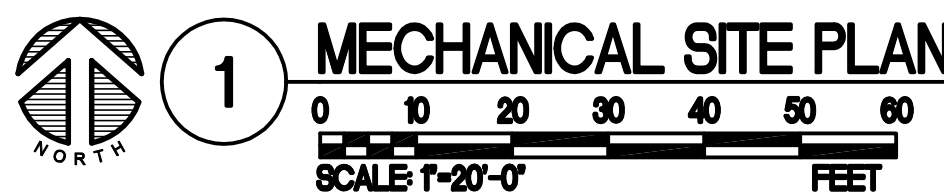


6 CATHODIC PROTECTION SYSTEM DETAIL

NO SCALE

NOTES:

1. THE ANODE SHALL BE A MINIMUM OF 20' AWAY FROM EARTHLOOPS WITH NO METAL PIPES, WIRES OR OTHER OBJECTS BETWEEN THE ANODE AND EARTHLOOPS
2. THE ANODE WIRE GOING TO THE CPS CONTROL SHALL RUN INSIDE A PROTECTIVE NON-METALLIC CONDUIT FOR PROTECTION FROM ABRASION. PVC PIPE IS ACCEPTABLE
3. THE ANODE SHALL BE FULLY SURROUNDED ON ALL SIDES WITH COKE BREEZE.
4. INSTALL PER MANUFACTURER'S REQUIREMENTS.



BID DOCUMENTS 7/1/2011

<div>Revisions</div> <div>Date</div>	<div><b>KJW</b> ENGINEERING CONSULTANTS Experience you can build on.<sup>SM</sup> 623 25TH AVENUE ROCK ISLAND, IL 61201 309.786.0873 FAX: 309.786.5967 www.kjw.com KJW Project # 10.0356.00 STRUCTURAL, MECHANICAL, ELECTRICAL, TECHNOLOGY, MEDICAL EQUIPMENT SOLUTIONS</div>	<div>I hereby certify that this Plan, Specification, or Report was prepared by me, or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Oregon.</div> <div>Signature: Warren L. Lloyd Discipline: Mechanical Oregon Registration No. 78701PE Expiration date: 12.31.12 Date Issued: **/**/**</div>	<div>Anderson Engineering of Minnesota, LLC</div> <div>13605 1st AVENUE NORTH, SUITE 100, PLYMOUTH, MN 55441 TEL (763) 412-4000 FAX (763) 412-4090 www.ae-mn.com</div>	<div> NATIONAL CEMETERY ADMINISTRATION</div>	<div>Drawing Title <b>MECHANICAL SITE PLAN</b></div> <div>Approved: Director, Office of Construction Management</div> <div>Approved: Director, Project Management Service</div>	<div>Project Title REPLACE ADMINISTRATION AND MAINTENANCE BUILDING AND SITE IMPROVEMENTS</div> <div>Building Number</div> <div>Checked <b>DavBod</b></div> <div>Drawn <b>JamTho</b></div> <div>Location EAGLE POINT NATIONAL CEMETERY 2763 RILEY ROAD EAGLE POINT, OR 97524</div>	<div>Date 7-1-2011</div> <div>Project No. 906CM3009</div> <div>DRAWING NO. <b>H-11</b> Dwg. 54 OF 181</div>
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