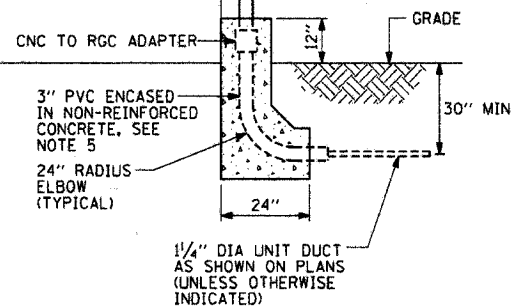
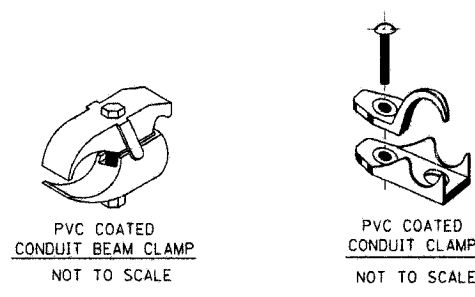


TYPICAL PIER / ABUTMENT MOUNTED UNDERPASS LIGHTING INSTALLATION DETAILS



- NOTES:**
1. LIQUID TIGHT FLEXIBLE METAL CONDUIT, MAXIMUM LENGTH 6'-0", TYPICAL FOR EACH INSTANCE AS SHOWN. PROVIDE PVC COATED RIGID GALVANIZED STEEL CONDUIT AS REQUIRED NOT TO EXCEED 6'-0" OF FLEXIBLE LIQUID TIGHT METAL CONDUIT. LIQUID TIGHT FLEXIBLE METAL CONDUIT WILL BE INCLUDED IN THE COST OF THE CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED PAY ITEM EXCEPT THAT THE COST OF THE 7/8" DIA. RIGID STEEL CONDUIT AND 3/4" DIA. FLEXIBLE CONDUIT SHALL BE INCLUDED IN THE LUMINAIRE INSTALLATION.
 2. UNDERPASS LUMINAIRE MOUNTED TO FACE OF PIER OR ABUTMENT WALL. MOUNTING HEIGHT OF 1" BELOW THE TOP OF PIER OR ABUTMENT WALL TYPICAL FOR ALL PIER/ABUTMENT MOUNTED UNDERPASS LUMINAIRES UNLESS OTHERWISE NOTED.
 3. EXPANSION ANCHOR, POWDER ACTUATED FASTENERS WILL NOT BE ALLOWED. EXPANSION ANCHOR MUST BE SIZED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.
 4. SECURE THE CONDUIT WITH PVC COATED CONDUIT CLAMPS OR CONDUIT BEAM CLAMPS AS SHOWN AT 5'-0" INTERVALS FOR LATERALS AND WITHIN 2'-0" MAXIMUM FROM ANY JUNCTION BOX, FLEXIBLE CONDUIT, OR CHANGE IN DIRECTION. ALL PVC COATED CONDUIT CLAMPS OR BEAM CLAMPS SHALL BE INCLUDED WITH THE COST OF THE "CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED" PAY ITEM.
 5. THE CONCRETE ENCASED CONDUIT TRANSITION SHALL BE INCLUDED IN THE COST OF THE GALVANIZED RIGID STEEL CONDUIT PAY ITEMS.
 6. ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE PVC COATED RIGID STEEL CONDUIT (PVCC RGC) TYPICAL.

<p>HANCOCK ENGINEERING</p> <p>◆ Civil Engineers ◆ Municipal Consultants ◆ Established 1911</p> <p>9933 Roosevelt Road Westchester, Illinois 60154-2780 Phone: 708/865-4366 Fax: 708/865-1212</p>	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>M. DE YOUNG</td> <td>06/13/90</td> </tr> <tr> <td>M. DE YOUNG</td> <td>07/03/90</td> </tr> <tr> <td>M. DE YOUNG</td> <td>3/27/92</td> </tr> <tr> <td>R. SHAH</td> <td>09/09/94</td> </tr> <tr> <td>R. SHAH</td> <td>10/25/94</td> </tr> <tr> <td>A. ABBAS</td> <td>03/21/97</td> </tr> <tr> <td>M. GOMEZ</td> <td>04/06/01</td> </tr> </tbody> </table>	NAME	DATE	M. DE YOUNG	06/13/90	M. DE YOUNG	07/03/90	M. DE YOUNG	3/27/92	R. SHAH	09/09/94	R. SHAH	10/25/94	A. ABBAS	03/21/97	M. GOMEZ	04/06/01	<p>ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p>PIER/ABUTMENT MOUNTED UNDERPASS LUMINAIRE INSTALLATION DETAILS</p>
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<p>SCALE: NONE</p> <p>DATE: 03/25/02</p>	<p>DRAWN BY: CADD</p> <p>CHECKED BY:</p>	<p>E.H.E. PROJECT NO. 080-03-085</p>																

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