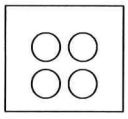
*** LAST REVISION:** CHANGED DRAWING NUMBER FROM 16132-DINFO TO 16300-DINFO.

CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	15"	12"	4.3 CU-YDS
3"	15"	13"	4.9 CU-YDS
4"	15"	14"	5.4 CU-YDS
5"	18"	15"	6.1 CU-YDS
6"	18"	16"	6.8 CU-YDS

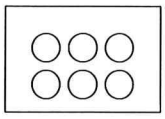
CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	18"	12"	5.3 CU-YDS
3"	18"	13"	6.2 CU-YDS
4"	24"	14"	7.2 CU-YDS
5"	24"	15"	8.2 CU-YDS
6"	24"	16"	9.3 CU-YDS

CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	24"	12"	6.7 CU-YDS
3"	24"	13"	7.8 CU-YDS
4"	30"	14"	9.3 CU-YDS
5"	30"	15"	10.4 CU-YDS
6"	30"	16"	11.6 CU-YDS

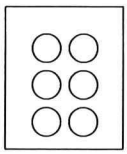
CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	24"	12"	7.5 CU-YDS
3"	30"	13"	9.2 CU-YDS
4"	36"	14"	11.0 CU-YDS
5"	36"	15"	12.4 CU-YDS
6"	36"	16"	13.9 CU-YDS



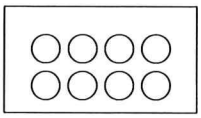
CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	18"	16"	7.0 CU-YDS
3"	18"	18"	8.3 CU-YDS
4"	24"	20"	9.9 CU-YDS
5"	24"	23"	11.3 CU-YDS
6"	24"	25"	12.8 CU-YDS



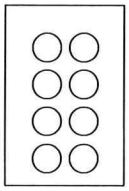
CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	24"	16"	8.7 CU-YDS
3"	24"	18"	10.4 CU-YDS
4"	30"	20"	12.5 CU-YDS
5"	30"	23"	14.6 CU-YDS
6"	30"	25"	16.8 CU-YDS



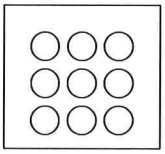
CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	18"	21"	9.1 CU-YDS
3"	18"	24"	10.8 CU-YDS
4"	24"	27"	13.0 CU-YDS
5"	24"	32"	15.2 CU-YDS
6"	24"	35"	17.5 CU-YDS



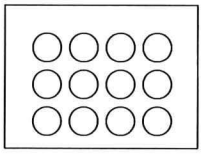
CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	24"	16"	9.8 CU-YDS
3"	30"	18"	12.3 CU-YDS
4"	36"	20"	14.9 CU-YDS
5"	36"	23"	17.1 CU-YDS
6"	42"	25"	19.8 CU-YDS



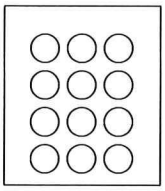
CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	18"	25"	10.6 CU-YDS
3"	18"	29"	13.0 CU-YDS
4"	24"	33"	15.8 CU-YDS
5"	24"	40"	18.5 CU-YDS
6"	24"	44"	21.3 CU-YDS



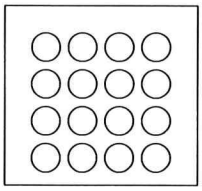
CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	24"	21"	11.3 CU-YDS
3"	24"	24"	13.7 CU-YDS
4"	30"	27"	16.6 CU-YDS
5"	30"	32"	19.3 CU-YDS
6"	30"	35"	22.1 CU-YDS



CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	24"	21"	12.5 CU-YDS
3"	30"	24"	16.0 CU-YDS
4"	36"	27"	19.4 CU-YDS
5"	36"	32"	22.7 CU-YDS
6"	42"	35"	26.3 CU-YDS



CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	24"	25"	13.0 CU-YDS
3"	24"	29"	16.4 CU-YDS
4"	30"	33"	20.1 CU-YDS
5"	30"	40"	23.5 CU-YDS
6"	30"	44"	27.0 CU-YDS



CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	24"	25"	15.6 CU-YDS
3"	30"	29"	19.1 CU-YDS
4"	36"	33"	22.4 CU-YDS
5"	36"	40"	24.7 CU-YDS
6"	42"	44"	28.3 CU-YDS

THERE IS A 6" COVER OF CONCRETE ON TOP, A 2"- 6" COVER ON SIDES OF OUTER CONDUITS, & A 3" COVER OF CONCRETE ON BOTTOM.

THE SEPARATION BETWEEN CONDUIT OUTSIDE WALL SURFACES IN ROWS AND COLUMNS IS 2".

CND SIZE	OUTSIDE DIMENSION
2"	2-3/8"
3"	3-1/2"
4"	4-1/2"
5"	5-9/16"
6"	6-5/8"

KUB CONSTRUCTION GUIDE

MINIMUM DUCTLINE DIMENSIONS AND CONCRETE REQUIREMENTS

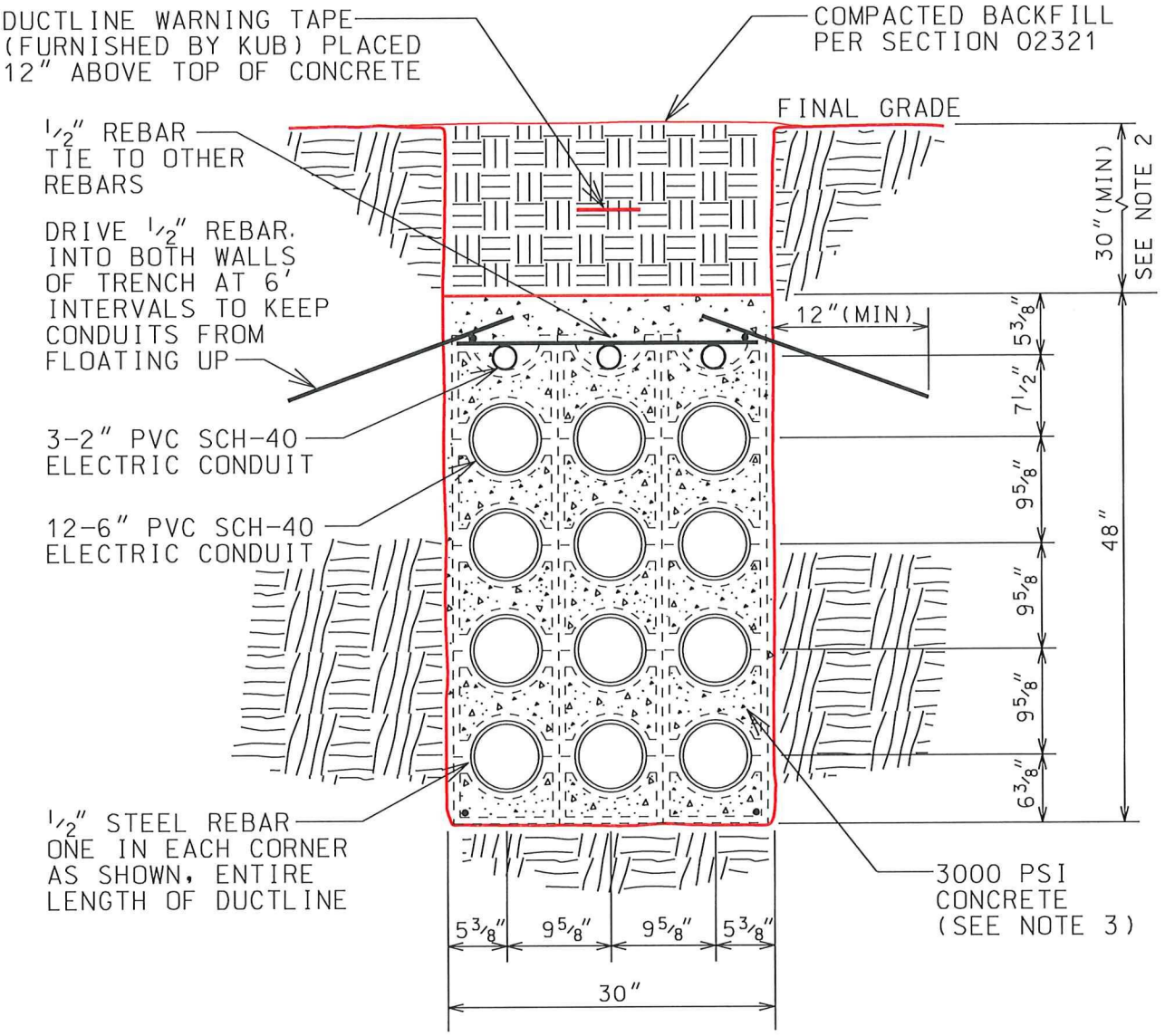
LAST UPDATE: 11-13-14 TKI

ORIG DWG BY: CEA **DATE:** 8-23-01

SHEET 1 **OF** 1 **SHEETS**

DWG-16300-DINFO

W:/Public/Standards/Electric/16300-DINFO.dgn



STANDARD MAIN DUCTLINE SECTION VIEW

SCALE: 1" = 15"

NOTES:

1. INSTALL INTERLOCKING BASE SPACERS THAT PROVIDE 3" SPACE UNDERNEATH CONDUIT AND 3" HORIZONTAL SPACE BETWEEN OUTSIDE CONDUIT WALLS. INSTALL INTERLOCKING INTERMEDIATE SPACERS THAT PROVIDE 3" HORIZONTAL & VERTICAL SPACE BETWEEN OUTSIDE CONDUIT WALLS. SPACERS SHALL BE INSTALLED AT 6' INTERVALS THE ENTIRE LENGTH OF DUCTLINE. (SPACERS SHOWN BY DASHED LINES IN ABOVE DRAWING.)
2. EXCEPT UNDER ROADWAYS, 2" OF ADDITIONAL CONCRETE ON TOP OF DUCTLINE CAN REPLACE 6" OF DIRT BACKFILL, UP TO A MINIMUM DEPTH OF 12" OF DIRT. THIS ALLOWANCE SHOULD BE USED ONLY IN CASES OF ROCK AND/OR CONFLICTS WITH OTHER UTILITIES.
3. CONCRETE SHALL BE PROPERLY VIBRATED WHEN INSTALLED TO INSURE COMPLETE FLOW UNDER, AROUND, AND BETWEEN ALL CONDUITS, AND TO ELIMINATE ANY AIR POCKETS. ALLOW CONCRETE TO SET FIRM BEFORE BACKFILLING.
4. SEE SECTION 02580 FOR ADDITIONAL DETAILS.

*** LAST REVISION:** CHANGED DWG NUMBER FROM 16132-DL12 TO 16300-DL12

W:/Public/Standards/Electric/16300-DL12.dgn

KUB CONSTRUCTION GUIDE

TYPICAL MAIN DUCTLINE INSTALLATION
CONCRETE-ENCASED PVC CONDUITS

LAST UPDATE: 11-13-14 TKI

ORIG DWG BY: CEA **DATE:** 1-24-02 **SHEET 1 OF 1 SHEETS**

DWG-16300-DL12