



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



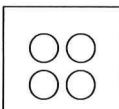
CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	18"	12"	5.3 CU-YDS
3"	18"	13"	6.2 CU-YDS
4"	24"	14"	7.2 CU-YDS
5"	24"	15"	8.2 CU-YDS
6"	24"	16"	9.3 CU-YDS



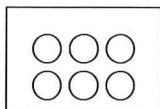
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2"	24"	12"	6.7 CU-YDS
3"	24"	13"	7.8 CU-YDS
4"	30"	14"	9.3 CU-YDS
5"	30"	15"	10.4 CU-YDS
6"	30"	16"	11.6 CU-YDS



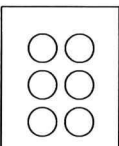
CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	24"	12"	7.5 CU-YDS
3"	30"	13"	9.2 CU-YDS
4"	36"	14"	11.0 CU-YDS
5"	36"	15"	12.4 CU-YDS
6"	36"	16"	13.9 CU-YDS



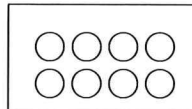
CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	18"	16"	7.0 CU-YDS
3"	18"	18"	8.3 CU-YDS
4"	24"	20"	9.9 CU-YDS
5"	24"	23"	11.3 CU-YDS
6"	24"	25"	12.8 CU-YDS



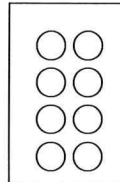
CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	24"	16"	8.7 CU-YDS
3"	24"	18"	10.4 CU-YDS
4"	30"	20"	12.5 CU-YDS
5"	30"	23"	14.6 CU-YDS
6"	30"	25"	16.8 CU-YDS



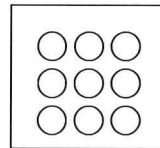
CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	18"	21"	9.1 CU-YDS
3"	18"	24"	10.8 CU-YDS
4"	24"	27"	13.0 CU-YDS
5"	24"	32"	15.2 CU-YDS
6"	24"	35"	17.5 CU-YDS



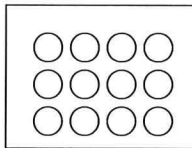
CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	24"	16"	9.8 CU-YDS
3"	30"	18"	12.3 CU-YDS
4"	36"	20"	14.9 CU-YDS
5"	36"	23"	17.1 CU-YDS
6"	42"	25"	19.8 CU-YDS



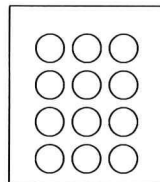
CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	18"	25"	10.6 CU-YDS
3"	18"	29"	13.0 CU-YDS
4"	24"	33"	15.8 CU-YDS
5"	24"	40"	18.5 CU-YDS
6"	24"	44"	21.3 CU-YDS



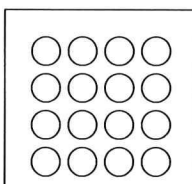
CND SIZE	MIN WIDTH	MIN DEPTH	CU-YDS CONCRETE PER 100FT RUN
2"	24"	21"	11.3 CU-YDS
3"	24"	24"	13.7 CU-YDS
4"	30"	27"	16.6 CU-YDS
5"	30"	32"	19.3 CU-YDS
6"	30"	35"	22.1 CU-YDS



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"

DUCTLINE WARNING TAPE
(FURNISHED BY KUB) PLACED
12" ABOVE TOP OF CONCRETE

COMPACTED BACKFILL
PER SECTION 02321

1/2" REBAR
TIE TO OTHER
REBARS

DRIVE 1/2" REBAR.
INTO BOTH WALLS
OF TRENCH AT 6'
INTERVALS TO KEEP
CONDUITS FROM
FLOATING UP

3-2" PVC SCH-40
ELECTRIC CONDUIT

12-6" PVC SCH-40
ELECTRIC CONDUIT

1/2" STEEL REBAR
ONE IN EACH CORNER
AS SHOWN, ENTIRE
LENGTH OF DUCTLINE

FINAL GRADE

30" (MIN)
SEE NOTE 2

12" (MIN)

48"

3000 PSI
CONCRETE
(SEE NOTE 3)

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.

KUB

CONSTRUCTION
GUIDE

TYPICAL MAIN DUCTLINE INSTALLATION CONCRETE-ENCASED PVC CONDUITS

ORIG DWG BY: CEA

DATE: 1-24-02

SHEET 1 OF 1 SHEETS

LAST UPDATE: 11-13-14 TKI

DWG-16300-DL12