

# CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS – 84"

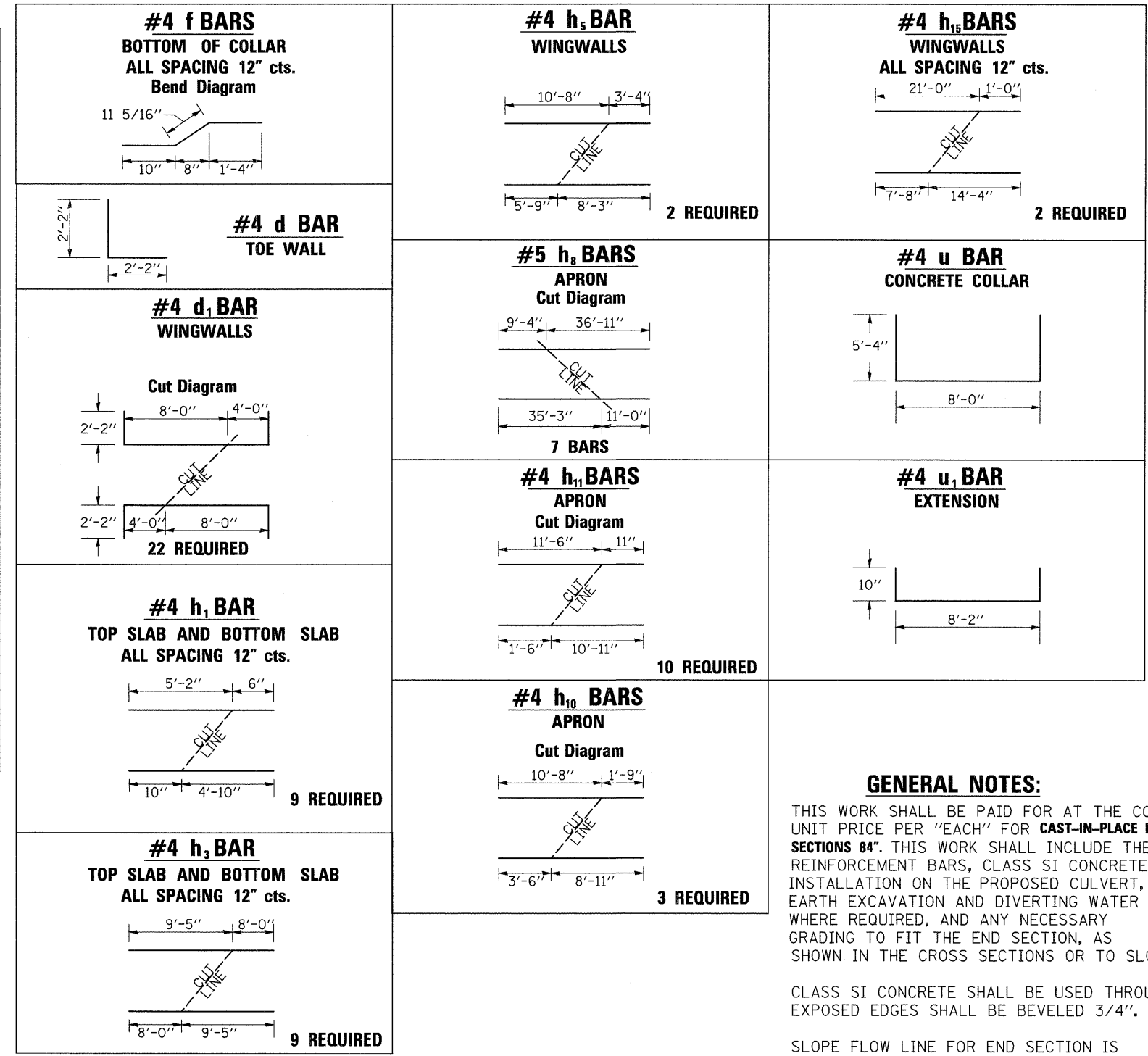
## SN 043-1078 – LT AND RT STA 230+39 PR SIDE TAPERED IMPROVED INLET (IL RTE 78)

BILL OF MATERIALS (FOR INFORMATION ONLY)\*

BAR	NO.	SIZE	LENGTH	SPACING	SHAPE
a	3	# 4	36'-10"	12" cts.	————
d	38	# 4	4'-4"	12" cts.	└┘
d <sub>1</sub>	22	# 4	16'-4"	13", 8" cts.	└┘
f	9	# 4	2'-10"	12" cts.	———/———
h	10	# 4	12'-2"	12" cts.	————
h <sub>1</sub>	9	# 4	5'-8"	12" cts.	————
h <sub>2</sub>	4	# 4	3'-0"	---	————
h <sub>3</sub>	9	# 4	17'-5"	---	————
h <sub>4</sub>	4	# 4	13'-2"	---	————
h <sub>5</sub>	2	# 4	14'-0"	---	————
h <sub>6</sub>	8	# 4	5'-2"	12" cts.	————
h <sub>8</sub>	7	# 5	46'-3"	12" cts.	————
h <sub>10</sub>	3	# 4	12'-5"	12" cts.	————
h <sub>11</sub>	10	# 4	12'-5"	12" cts.	————
h <sub>12</sub>	1	# 5	13'-10"	---	————
h <sub>13</sub>	1	# 5	23'-11"	---	————
h <sub>14</sub>	6	# 4	23'-6"	12" cts.	————
h <sub>15</sub>	2	# 4	22'-0"	12" cts.	————
u	4	# 4	18'-8"	---	└┘
u <sub>1</sub>	5	# 4	9'-10"	12" cts.	└┘

DESCRIPTION	UNIT	QTY
CAST IN PLACE REINFORCED CONCRETE END SECTIONS	CU YD	18.2
REINFORCEMENT BARS	POUND	1440

\* QUANTITIES SHOWN FOR ONE (1) CAST-IN-PLACE REINFORCED CONCRETE END SECTION 84". TWO ARE REQUIRED.



MINIMUM BAR LAP LOCATION: END SECTION

SIZE	LAP
# 4	1' - 4"
# 5	1' - 8"
# 6	2' - 0"

**GENERAL NOTES:**

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER "EACH" FOR **CAST-IN-PLACE RC END SECTIONS 84"**. THIS WORK SHALL INCLUDE THE REINFORCEMENT BARS, CLASS SI CONCRETE, INSTALLATION ON THE PROPOSED CULVERT, EARTH EXCAVATION AND DIVERTING WATER WHERE REQUIRED, AND ANY NECESSARY GRADING TO FIT THE END SECTION, AS SHOWN IN THE CROSS SECTIONS OR TO SLOPE.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. EXPOSED EDGES SHALL BE BEVELED 3/4".

SLOPE FLOW LINE FOR END SECTION IS THE SAME RATE AS THE FLOW LINE OF THE BOX CULVERT.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 GR. 60 (IL MODIFIED).

SEE PLAN AND PROFILE SHEET FOR MORE INFORMATION.

SEE CROSS SECTION SHEET FOR MORE INFORMATION AND INVERT ELEVATIONS.