

BOX CULVERT END SECTIONS

EACH

| NO. | BASELINE | STATION | SIDE | OFFSET | SIZE | NO. 5 | NO. 6 | NO. 7 | NO. 9 | NO. 10 | NO. 11 | NO. 13 | NO. 14 | NO. 16 | NO. 17 | NO. 18 | NO. 19 | NO. 22 | NO. 24 | |
|---------------|------------|-----------|------|--------|---------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| 5A | F.A.P. 750 | 130+07.49 | RT. | 29.00 | 6' X 2' | 1 | | | | | | | | | | | | | | |
| 5A | F.A.P. 750 | 130+07.49 | LT. | 29.00 | 6' X 2' | 1 | | | | | | | | | | | | | | |
| 5B | F.A.P. 750 | 130+14.83 | RT. | 29.00 | 6' X 2' | 1 | | | | | | | | | | | | | | |
| 5B | F.A.P. 750 | 130+14.83 | LT. | 29.00 | 6' X 2' | 1 | | | | | | | | | | | | | | |
| 6A | F.A.P. 750 | 144+00.71 | RT. | 25.36 | 6' X 3' | | 1 | | | | | | | | | | | | | |
| 6A | F.A.P. 750 | 143+95.20 | LT. | 27.45 | 6' X 3' | | 1 | | | | | | | | | | | | | |
| 6B | F.A.P. 750 | 143+93.58 | RT. | 26.08 | 6' X 3' | | 1 | | | | | | | | | | | | | |
| 6B | F.A.P. 750 | 143+88.07 | LT. | 26.74 | 6' X 3' | | 1 | | | | | | | | | | | | | |
| 7A | F.A.P. 750 | 161+75.91 | RT. | 24.55 | 6' X 2' | | | 1 | | | | | | | | | | | | |
| 7A | F.A.P. 750 | 161+75.91 | LT. | 26.07 | 6' X 2' | | | 1 | | | | | | | | | | | | |
| 7B | F.A.P. 750 | 161+83.11 | RT. | 24.58 | 6' X 2' | | | 1 | | | | | | | | | | | | |
| 7B | F.A.P. 750 | 161+83.24 | LT. | 26.09 | 6' X 2' | | | 1 | | | | | | | | | | | | |
| 9 | F.A.P. 750 | 212+81.00 | RT. | 30.00 | 4' X 2' | | | | 1 | | | | | | | | | | | |
| 9 | F.A.P. 750 | 212+81.00 | LT. | 30.00 | 4' X 2' | | | | 1 | | | | | | | | | | | |
| 10 | F.A.P. 750 | 237+84.05 | RT. | 31.54 | 2' X 2' | | | | | 1 | | | | | | | | | | |
| 10 | F.A.P. 750 | 237+84.04 | LT. | 30.68 | 2' X 2' | | | | | 1 | | | | | | | | | | |
| 11 | F.A.P. 750 | 256+49.42 | RT. | 41.14 | 2' X 2' | | | | | | 1 | | | | | | | | | |
| 11 | F.A.P. 750 | 256+48.02 | LT. | 38.59 | 2' X 2' | | | | | | 1 | | | | | | | | | |
| 13 | F.A.P. 750 | 314+34.01 | RT. | 30.41 | 2' X 2' | | | | | | | 1 | | | | | | | | |
| 13 | F.A.P. 750 | 314+34.13 | LT. | 27.63 | 2' X 2' | | | | | | | 1 | | | | | | | | |
| 14 | F.A.P. 750 | 324+64.54 | LT. | 69.99 | 2' X 2' | | | | | | | | 1 | | | | | | | |
| 16 | F.A.P. 750 | 356+53.26 | RT. | 26.43 | 2' X 2' | | | | | | | | | 1 | | | | | | |
| 16 | F.A.P. 750 | 356+53.05 | LT. | 26.65 | 2' X 2' | | | | | | | | | 1 | | | | | | |
| 17 | F.A.P. 750 | 369+63.38 | RT. | 25.85 | 2' X 2' | | | | | | | | | | 1 | | | | | |
| 17 | F.A.P. 750 | 369+63.10 | LT. | 25.63 | 2' X 2' | | | | | | | | | | 1 | | | | | |
| 18 | F.A.P. 750 | 388+29.77 | RT. | 77.32 | 6' X 6' | | | | | | | | | | | 1 | | | | |
| 18 | F.A.P. 750 | 388+32.51 | LT. | 75.98 | 6' X 6' | | | | | | | | | | | 1 | | | | |
| 19 | F.A.P. 750 | 401+09.41 | RT. | 30.00 | 4' X 6' | | | | | | | | | | | | 1 | | | |
| 19 | F.A.P. 750 | 401+09.50 | LT. | 30.00 | 4' X 6' | | | | | | | | | | | | 1 | | | |
| 20 | F.A.P. 750 | 410+27.76 | RT. | | 2' X 2' | | | | | | | | | | | | | 1 | | |
| 20 | F.A.P. 750 | 410+08.79 | LT. | | 2' X 2' | | | | | | | | | | | | | | 1 | |
| 22 | F.A.P. 750 | 424+10.39 | LT. | 33.87 | 2' X 2' | | | | | | | | | | | | | | 1 | |
| 24 | F.A.P. 750 | 428+22.69 | LT. | 84.14 | 2' X 2' | | | | | | | | | | | | | | 1 | |
| TOTALS | | | | | | 4 | 4 | 4 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 0 | 1 | 1 |

NOTE: REFER TO SHEET 35 FOR ADDITIONAL REQUIREMENTS.

PRECAST CONCRETE BOX CULVERTS

FOOT

| CULVERT NO. | STATION | 2 X 2 PCBC FOOT | 6 X 6 PCBC FOOT | 2 X 2 PCBC FOOT M273 | 4 X 2 PCBC FOOT M273 | 4 X 6 PCBC FOOT M273 | 6 X 2 PCBC FOOT M273 | 6 X 3 PCBC FOOT M273 |
|---------------|-----------|-----------------|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 5 | 130+11.00 | | | | | | 132 | |
| 6A | 143+91.00 | | | | | | | 53 |
| 6B | 143+91.00 | | | | | | | 9 |
| 7A | 161+83.00 | | | | | | 51 | |
| 7B | 161+83.00 | | | | | | 8 | |
| 9 | 212+81.00 | | | | 48 | | | |
| 10 | 237+84.00 | 10 | | | | | | |
| 11 | 256+47.00 | 22 | | | | | | |
| 12 | 299+47.00 | 33 | | | | | | |
| 13 | 314+34.00 | 10 | | | | | | |
| 14 | 324+62.00 | 46 | | | | | | |
| 15 | 327+31.00 | 72 | | | | | | |
| 16 | 356+53.00 | 10 | | | | | | |
| 17 | 369+63.00 | | | 9 | | | | |
| 18 | 388+32.00 | | 86 | | | | | |
| 19 | 401+10.00 | | | | | 18 | | |
| 20 | 410+18.00 | *OMITTED* | | | | | | |
| 21 | 418+94.00 | 42 | | | | | | |
| 22 | 424+11.00 | 17 | | | | | | |
| 23 | 427+49.00 | 74 | | | | | | |
| 24 | 428+31.00 | 76 | | | | | | |
| 25 | 430+59.00 | 97 | | | | | | |
| TOTALS | | 509 | 86 | 9 | 48 | 18 | 191 | 62 |

INLET & PIPE PROTECTION

EACH

| STATION | OFFSET | SIDE | INLET & PIPE PROTECTION (EACH) |
|---------------|--------|------|--------------------------------|
| 121+15.19 | 27.58 | LT. | 1 |
| 122+06.09 | 26.18 | LT. | 1 |
| 124+14.60 | 25.64 | LT. | 1 |
| 125+24.11 | 29.20 | LT. | 1 |
| 128+43.04 | 29.99 | RT. | 1 |
| 134+47.91 | 28.35 | LT. | 1 |
| 136+51.87 | 27.02 | LT. | 1 |
| 136+79.65 | 25.99 | RT. | 1 |
| 137+45.48 | 26.43 | LT. | 1 |
| 137+65.34 | 42.02 | RT. | 1 |
| 138+49.91 | 26.57 | LT. | 1 |
| 145+59.47 | 29.85 | RT. | 1 |
| 145+61.86 | 29.21 | LT. | 1 |
| 151+28.86 | 27.56 | LT. | 1 |
| 151+18.21 | 40.60 | LT. | 1 |
| 153+89.61 | 31.53 | RT. | 1 |
| 168+47.67 | 29.38 | RT. | 1 |
| 169+62.95 | 30.02 | LT. | 1 |
| 169+70.60 | 29.71 | RT. | 1 |
| 171+25.72 | 28.36 | RT. | 1 |
| 172+99.17 | 31.76 | LT. | 1 |
| 177+55.85 | 41.81 | RT. | 1 |
| 177+95.89 | 28.98 | LT. | 1 |
| 183+65.99 | 30.17 | RT. | 1 |
| 196+36.47 | 28.53 | RT. | 1 |
| 199+43.23 | 31.13 | LT. | 1 |
| 203+74.38 | 32.06 | LT. | 1 |
| 205+83.47 | 27.89 | LT. | 1 |
| 206+90.59 | 27.46 | LT. | 1 |
| 216+67.46 | 30.43 | RT. | 1 |
| 227+73.41 | 31.11 | LT. | 1 |
| 228+07.38 | 28.22 | RT. | 1 |
| 252+83.31 | 28.80 | RT. | 1 |
| 252+90.34 | 27.96 | LT. | 1 |
| 257+64.94 | 25.94 | LT. | 1 |
| 296+55.16 | 27.64 | LT. | 1 |
| 297+56.85 | 31.33 | RT. | 1 |
| 306+37.11 | 29.72 | RT. | 1 |
| 306+68.39 | 28.88 | LT. | 1 |
| 312+70.08 | 29.91 | LT. | 1 |
| 316+21.22 | 30.61 | LT. | 1 |
| 321+35.92 | 28.68 | LT. | 1 |
| 334+91.34 | 28.43 | RT. | 1 |
| 334+91.50 | 30.90 | LT. | 1 |
| 338+44.83 | 30.21 | LT. | 1 |
| 339+46.86 | 29.89 | LT. | 1 |
| 340+99.27 | 28.30 | LT. | 1 |
| 361.06.58 | 29.96 | RT. | 1 |
| 364+14.77 | 31.53 | LT. | 1 |
| 367+99.61 | 29.02 | LT. | 1 |
| 368+45.96 | 30.19 | RT. | 1 |
| 373+00.41 | 29.97 | RT. | 1 |
| 375+45.42 | 29.70 | LT. | 1 |
| 375+89.39 | 29.55 | LT. | 1 |
| 377+14.45 | 30.27 | LT. | 1 |
| TOTALS | | | 55 |

CULVERT DROP BOX

EACH

| CULVERT NO. | STATION | SIDE | OFFSET | CULVERT SIZE | EACH |
|---------------|---------|------|--------|--------------|------|
| 14 | 324+63 | RT. | 46' | 2' X 2' | 1 |
| 21 | 419+64 | RT. | 61' | 2' X 2' | 1 |
| 22 | 424+11 | RT. | 37' | 2' X 2' | 1 |
| 23 | 427+11 | RT. | 78' | 2' X 2' | 1 |
| 24 | 428+38 | RT. | 84' | 2' X 2' | 1 |
| 25 | 431+19 | RT. | 96' | 2' X 2' | 1 |
| TOTALS | | | | | 6 |

PIPE UNDERDRAINS 4"

FOOT

| STATION | TO | STATION | SIDE | PIPE UNDERDRAINS 4" FOOT | PIPE UNDERDRAINS 4" (SPECIAL) FOOT |
|---------------|----|---------|------|--------------------------|------------------------------------|
| 261+00 | | 265+00 | LT. | 400 | 10 |
| 261+00 | | 265+00 | RT. | 400 | 10 |
| 265+00 | | 269+00 | LT. | 400 | 10 |
| 265+00 | | 269+00 | RT. | 400 | 10 |
| 265+00 | | 268+50 | RT. | 350 | 10 |
| 402+00 | | 405+00 | LT. | 300 | 10 |
| 402+00 | | 405+00 | RT. | 300 | 10 |
| TOTALS | | | | 2550 | 70 |

CONCRETE COLLAR

EACH

| NO. | BASELINE | STATION | SIDE | OFFSET | SIZE | CONCRETE COLLAR EACH |
|-----|------------|-----------|------|--------|------|----------------------|
| 6B | F.A.P. 750 | 143+92.45 | RT. | 20.73 | 6x3 | 1 |
| 6B | F.A.P. 750 | 143+88.69 | LT. | 20.49 | 6x3 | 1 |
| 7B | F.A.P. 750 | 161+83.46 | RT. | 19.62 | 6x2 | 1 |
| 7B | F.A.P. 750 | 161+83.56 | LT. | 21.65 | 6x2 | 1 |
| 9 | F.A.P. 750 | 212+80.72 | RT. | | 2x2 | *OMITTED* |
| 9 | F.A.P. 750 | 212+80.75 | LT. | | 2x2 | *OMITTED* |
| 10 | F.A.P. 750 | 237+84.05 | RT. | 24.71 | 2x2 | 1 |
| 10 | F.A.P. 750 | 237+84.04 | LT. | 25.56 | 2x2 | 1 |
| 11 | F.A.P. 750 | 256+49.20 | RT. | 28.52 | 2x2 | 1 |
| 11 | F.A.P. 750 | 256+48.22 | LT. | 27.87 | 2x2 | 1 |
| 12 | F.A.P. 750 | 299+66.02 | RT. | 28.25 | 2x2 | 1 |
| 12 | F.A.P. 750 | 299+34.51 | LT. | 27.06 | 2x2 | 1 |
| 13 | F.A.P. 750 | 314+34.03 | RT. | 23.40 | 2x2 | 1 |
| 13 | F.A.P. 750 | 314+34.12 | LT. | 22.74 | 2x2 | 1 |
| 14 | F.A.P. 750 | 324+63.45 | RT. | 30.51 | 2x2 | 1 |
| 14 | F.A.P. 750 | 324+64.20 | LT. | 38.27 | 2x2 | 1 |
| 15 | F.A.P. 750 | 327+29.39 | RT. | 30.44 | 2x2 | 1 |
| 15 | F.A.P. 750 | 326+61.91 | LT. | 38.22 | 2x2 | 1 |
| 16 | F.A.P. 750 | 356+53.24 | RT. | 20.55 | 2x2 | 1 |
| 16 | F.A.P. 750 | 356+53.08 | LT. | 20.82 | 2x2 | 1 |
| 17 | F.A.P. 750 | 369+63.35 | RT. | 20.46 | 2x2 | 1 |
| 17 | F.A.P. 750 | 369+63.13 | LT. | 20.80 | 2x2 | 1 |
| 18 | F.A.P. 750 | 388+30.57 | RT. | 32.82 | 6x6 | 1 |
| 18 | F.A.P. 750 | 388+31.75 | LT. | 33.31 | 6x6 | 1 |
| 19 | F.A.P. 750 | 401+09.22 | RT. | 21.31 | 4x6 | 1 |
| 19 | F.A.P. 750 | 401+09.48 | LT. | 19.70 | 4x6 | 1 |
| 20 | F.A.P. 750 | 410+25.00 | RT. | | 2x2 | *OMITTED* |
| 20 | F.A.P. 750 | 410+13.08 | LT. | | 2x2 | *OMITTED* |
| 21 | F.A.P. 750 | 419+52.00 | RT. | 29.96 | 2x2 | 1 |
| 21 | F.A.P. 750 | 418+85.29 | LT. | 30.96 | 2x2 | 1 |
| 22 | F.A.P. 750 | 424+10.56 | RT. | 27.00 | 2x2 | 1 |
| 22 | F.A.P. 750 | 424+10.44 | LT. | 26.13 | 2x2 | 1 |
| 23 | F.A.P. 750 | 427+27.98 | RT. | 36.30 | 2x2 | 1 |
| 23 | F.A.P. 750 | 427+70.79 | LT. | 38.60 | 2x2 | 1 |
| 24 | F.A.P. 750 | 428+34.65 | RT. | 45.29 | 2x2 | 1 |
| 24 | F.A.P. 750 | 428+26.36 | LT. | 45.98 | 2x2 | 1 |
| 25 | F.A.P. | | | | | |