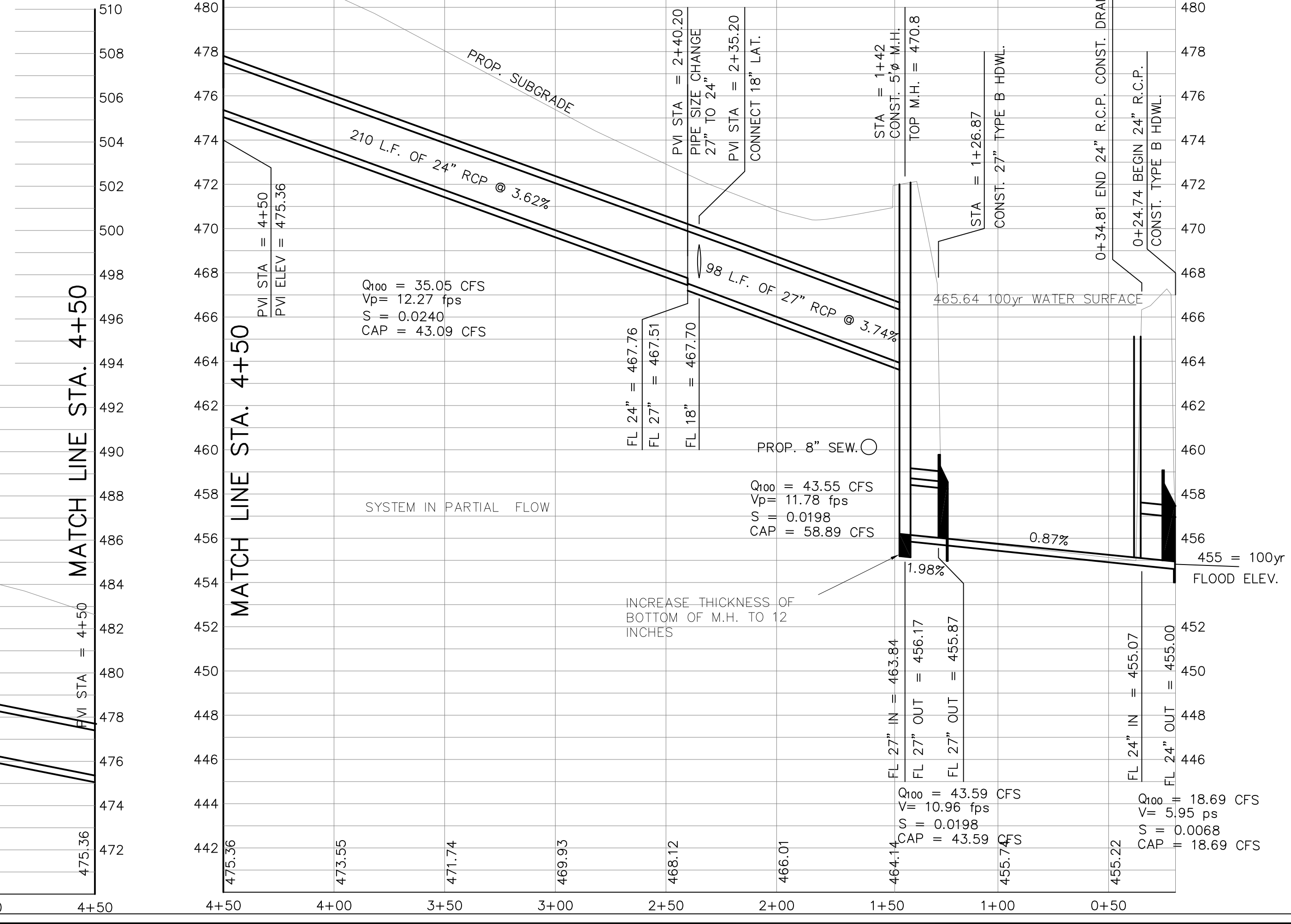
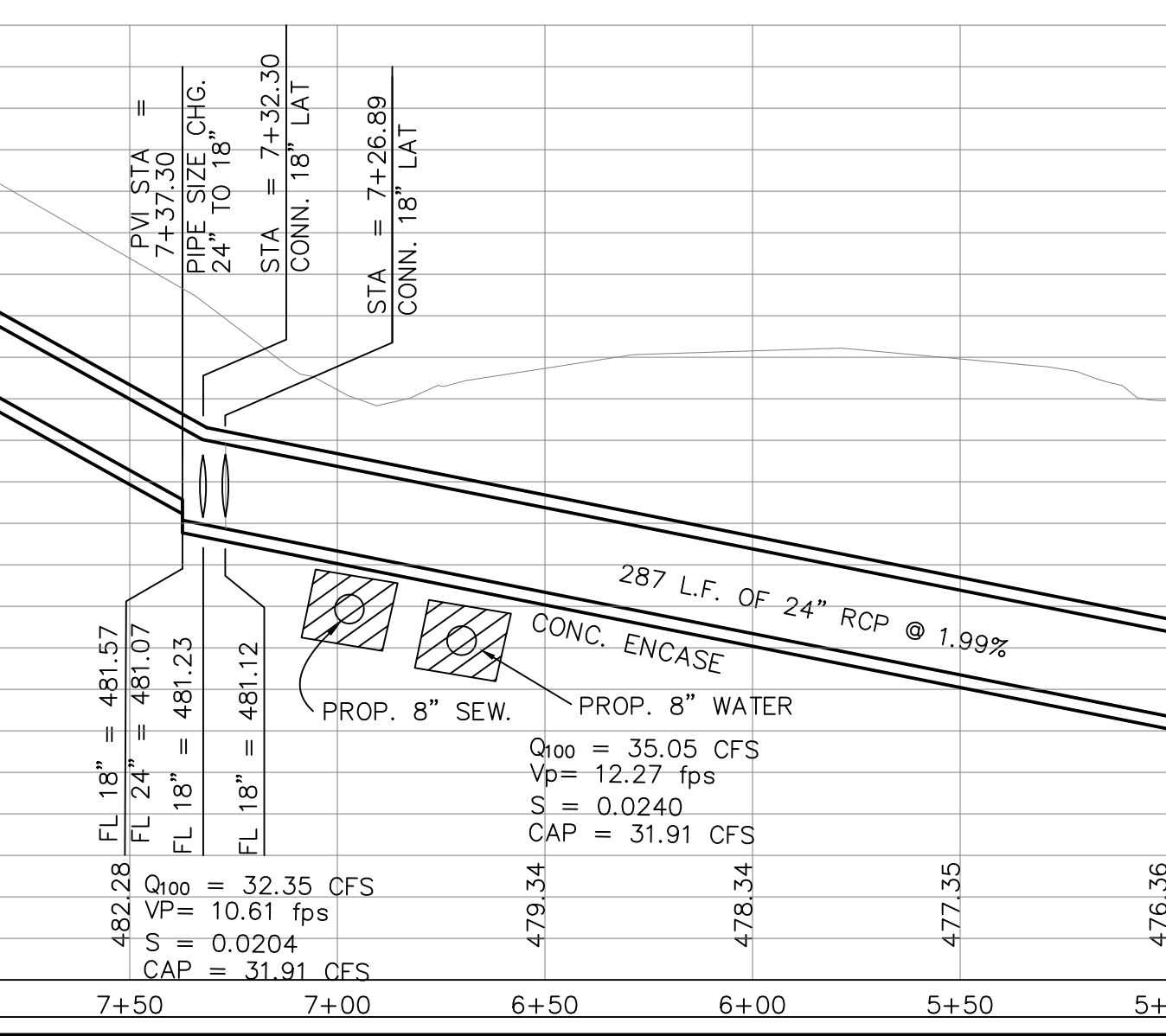
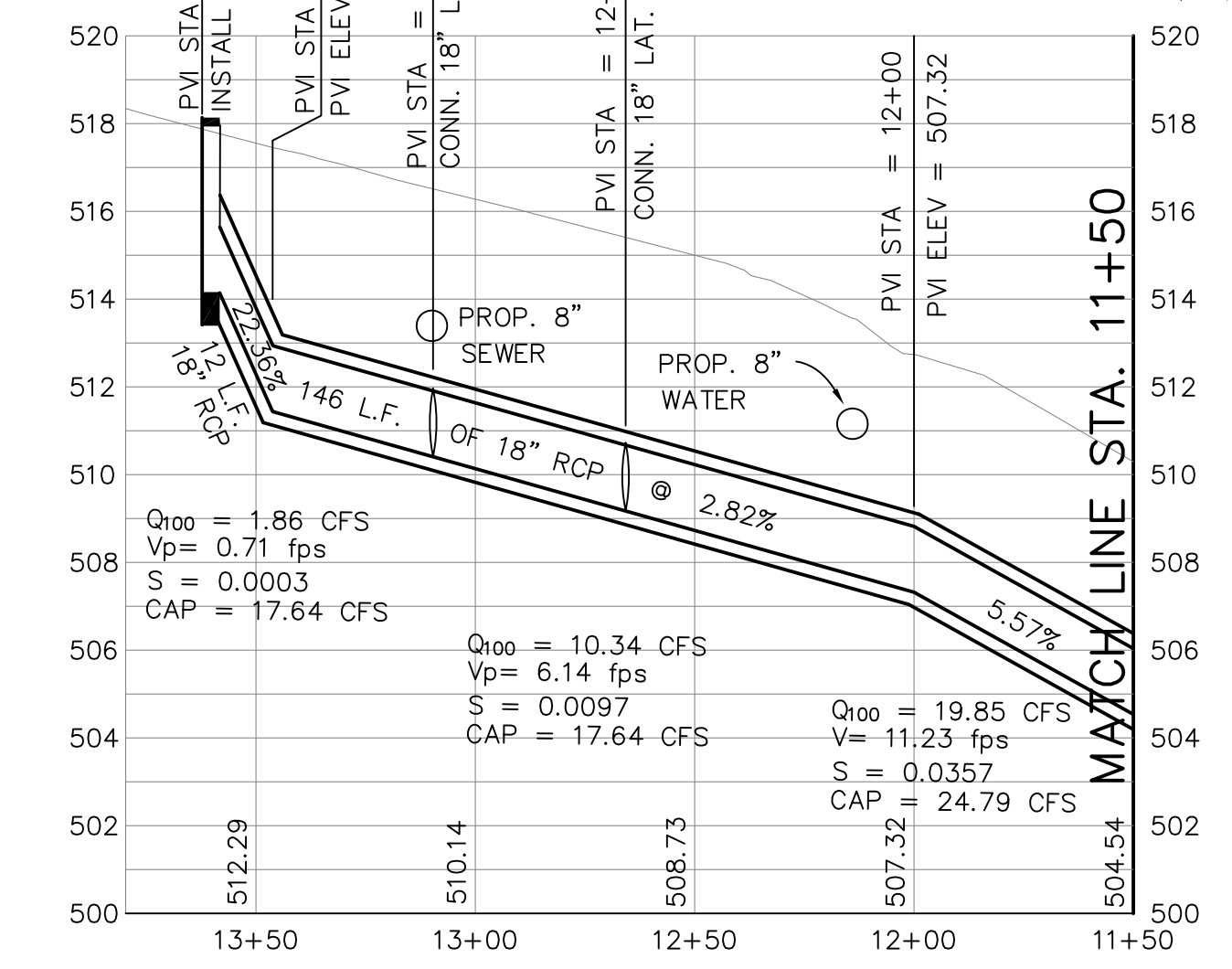
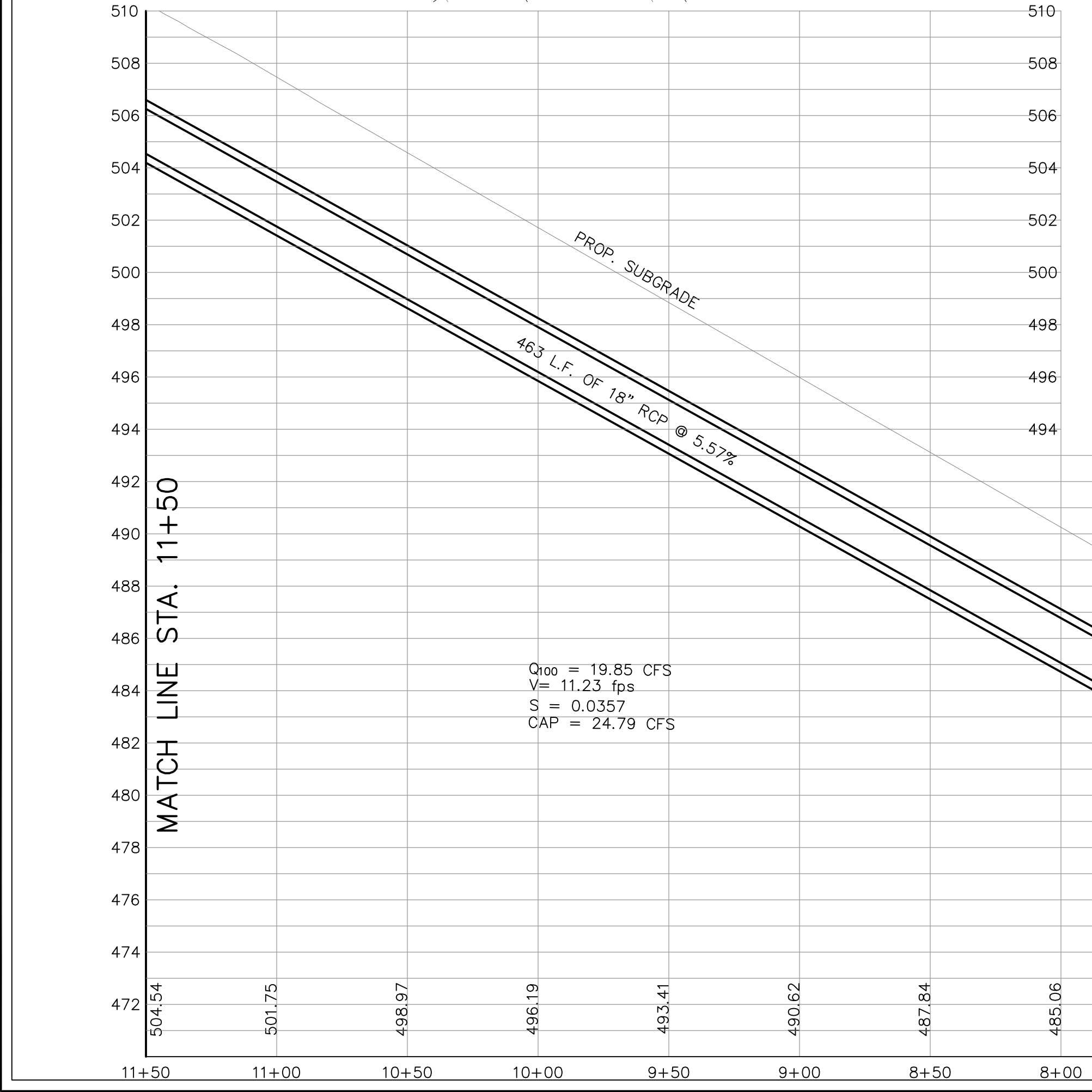
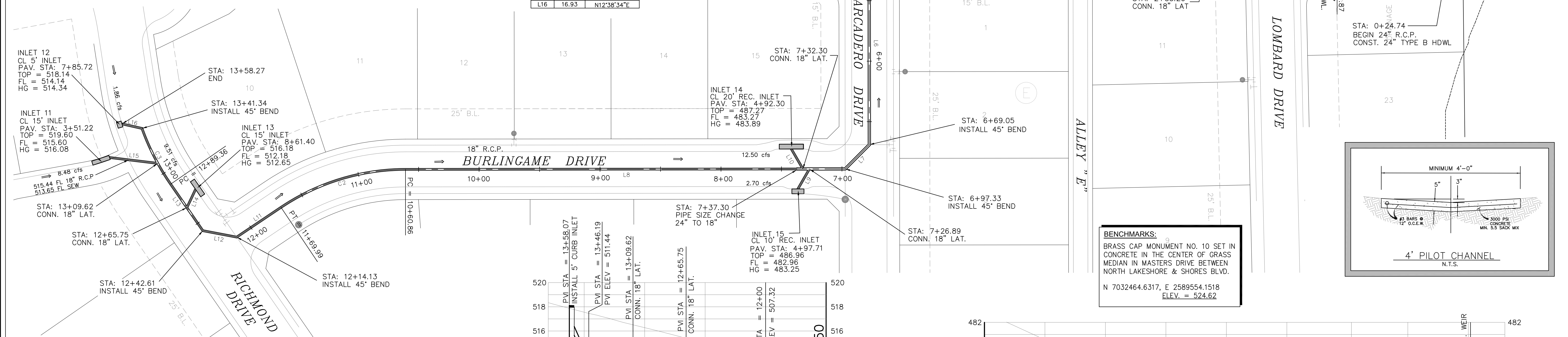


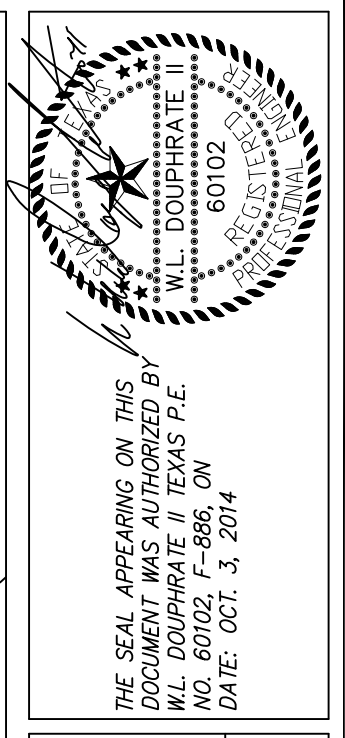
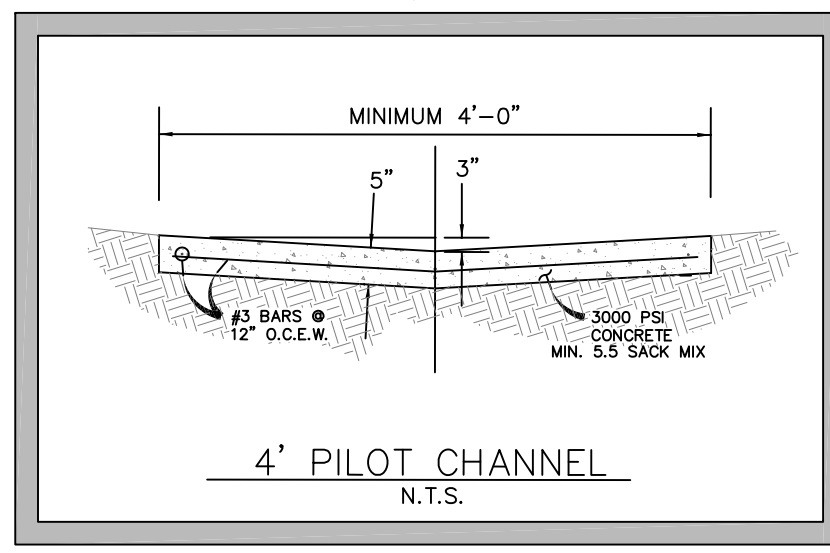
| From | To | Length | Box Height | Width | DESIGN Q100 | Pipe Size (in) | CAP Q100 | FULL V | PARTIAL V | PARTIAL FLOW % | FLOW CHT. No. | Flow KJ | Flow R(ri) | Flow R(2/3) | Flow Area | FULL S | DESIGN S | HGL Rise | HGL Number |
|---------------|---------|---------|------------|-------|-------------|----------------|----------|--------|-----------|----------------|---------------|---------|------------|-------------|-----------|--------|----------|----------|------------|
| STM-C | 240.20 | 142 | 98.20 | | 43.55 | 27 | 59.88 | 10.95 | 11.72 | 0.73 | 1.07 | 0.5000 | 0.5625 | 0.6814 | 3.9761 | 0.0198 | 0.0374 | 1.9418 | 466.52 |
| Junction Loss | 493.68 | 240.20 | 253.48 | | 35.05 | 24 | 43.04 | 11.16 | 12.27 | 0.81 | 1.10 | 0.5000 | 0.5000 | 0.6300 | 3.1416 | 0.0240 | 0.0362 | 6.0847 | 475.59 |
| Junction Loss | 521.98 | 493.68 | 28.30 | | 35.05 | 24 | 31.91 | 11.16 | 11.16 | 1.00 | 1.00 | 0.5000 | 0.5000 | 0.6300 | 3.1416 | 0.0240 | 0.0198 | 0.6793 | 477.19 |
| Junction Loss | 669.05 | 521.98 | 147.07 | | 35.05 | 24 | 31.91 | 11.16 | 11.16 | 1.00 | 1.00 | 0.5000 | 0.5000 | 0.6300 | 3.1416 | 0.0240 | 0.0198 | 0.9654 | 478.16 |
| Junction Loss | 697.33 | 669.05 | 28.28 | | 35.05 | 24 | 31.91 | 11.16 | 11.80 | 1.10 | 1.04 | 0.5000 | 0.5000 | 0.6300 | 3.1416 | 0.0240 | 0.0198 | 0.6793 | 483.34 |
| Junction Loss | 726.89 | 697.33 | 29.56 | | 35.05 | 24 | 31.91 | 11.16 | 11.49 | 1.10 | 1.03 | 0.5000 | 0.5000 | 0.6300 | 3.1416 | 0.0240 | 0.0198 | 0.7098 | 485.01 |
| Junction Loss | 737.30 | 726.89 | 10.41 | | 32.35 | 24 | 31.91 | 10.30 | 10.61 | 1.01 | 1.03 | 0.5000 | 0.5000 | 0.6300 | 3.1416 | 0.0240 | 0.0198 | 0.2129 | 485.91 |
| Junction Loss | 1214.14 | 737.30 | 476.83 | | 19.85 | 18 | 24.79 | 11.23 | 11.57 | 0.80 | 1.03 | 0.5000 | 0.3750 | 0.5200 | 1.7671 | 0.0357 | 0.0557 | 17.0273 | 503.24 |
| Junction Loss | 1242.61 | 1214.14 | 28.48 | | 19.85 | 18 | 17.64 | 11.23 | 12.69 | 1.13 | 1.13 | 0.5000 | 0.3750 | 0.5200 | 1.7671 | 0.0357 | 0.0282 | 0.9798 | 504.22 |
| Junction Loss | 1265.78 | 1242.61 | 23.14 | | 19.85 | 18 | 17.64 | 11.23 | 12.69 | 1.13 | 1.13 | 0.5000 | 0.3750 | 0.5200 | 1.7671 | 0.0357 | 0.0282 | 0.9798 | 506.24 |
| Junction Loss | 1309.62 | 1265.78 | 43.87 | | 10.34 | 18 | 17.64 | 5.85 | 6.09 | 0.59 | 1.04 | 0.5000 | 0.3750 | 0.5200 | 1.7671 | 0.0097 | 0.0282 | 0.4253 | 507.02 |
| Junction Loss | 1341.34 | 1309.62 | 31.72 | | 1.86 | 18 | 17.64 | 1.05 | 0.72 | 0.11 | 0.68 | 0.5000 | 0.3750 | 0.5200 | 1.7671 | 0.0003 | 0.0282 | 0.0099 | 506.78 |
| Junction Loss | 1358.27 | 1341.34 | 16.93 | | 1.86 | 18 | 49.67 | 1.05 | 0.58 | 0.04 | 0.55 | 0.5000 | 0.3750 | 0.5200 | 1.7671 | 0.0003 | 0.2236 | 0.0053 | 506.80 |

| CURVE | LENGTH | RADIUS | DELTA | CD | CB |
|-------|--------|--------|-----------|--------|-------------|
| C1 | 16.08 | 50.00 | 18°25'27" | 16.01 | N09°12'46"W |
| C2 | 109.14 | 185.00 | 33°48'03" | 107.56 | S16°57'39"E |
| C3 | 51.98 | 200.00 | 14°53'25" | 51.83 | N62°46'17"E |

| LINE | LENGTH | BEARING |
|------|--------|-------------|
| L1 | 38.31 | S00°39'46"E |
| L2 | 65.02 | S18°25'29"E |
| L3 | 374.27 | S00°00'03"E |
| L4 | 28.30 | S45°01'46"E |
| L5 | 16.71 | N59°59'57"E |
| L6 | 147.07 | S45°03'34"E |
| L7 | 28.28 | N89°56'30"E |
| L8 | 363.52 | S00°03'37"E |
| L9 | 19.05 | N60°03'37"W |
| L10 | 19.05 | N59°56'23"E |
| L11 | 44.13 | S33°51'41"E |
| L12 | 28.48 | S10°43'57"W |
| L13 | 46.75 | S55°19'35"W |
| L14 | 16.74 | S84°40'25"E |
| L15 | 40.12 | N06°53'04"E |
| L16 | 16.93 | N12°38'34"E |



BENCHMARKS:
BRASS CAP MONUMENT NO. 10 SET IN CONCRETE IN THE CENTER OF GRASS MEDIAN IN MASTERS DRIVE BETWEEN NORTH LAKESHORE & SHORES BLVD.
N 7032464.6317, E 2589554.1518
ELEV. = 524.62



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STORM SEWER PLAN & PROFILE
LINE C
LAKEVIEW SUMMIT, PHASE IV
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

| REVISION | DATE | PROJECT |
|----------------|-------|-------------|
| W.L.D. CHECKED | 10/14 | 9919-4STM-3 |
| K.E.B. DRAWN | | |
| | | 112 OF |