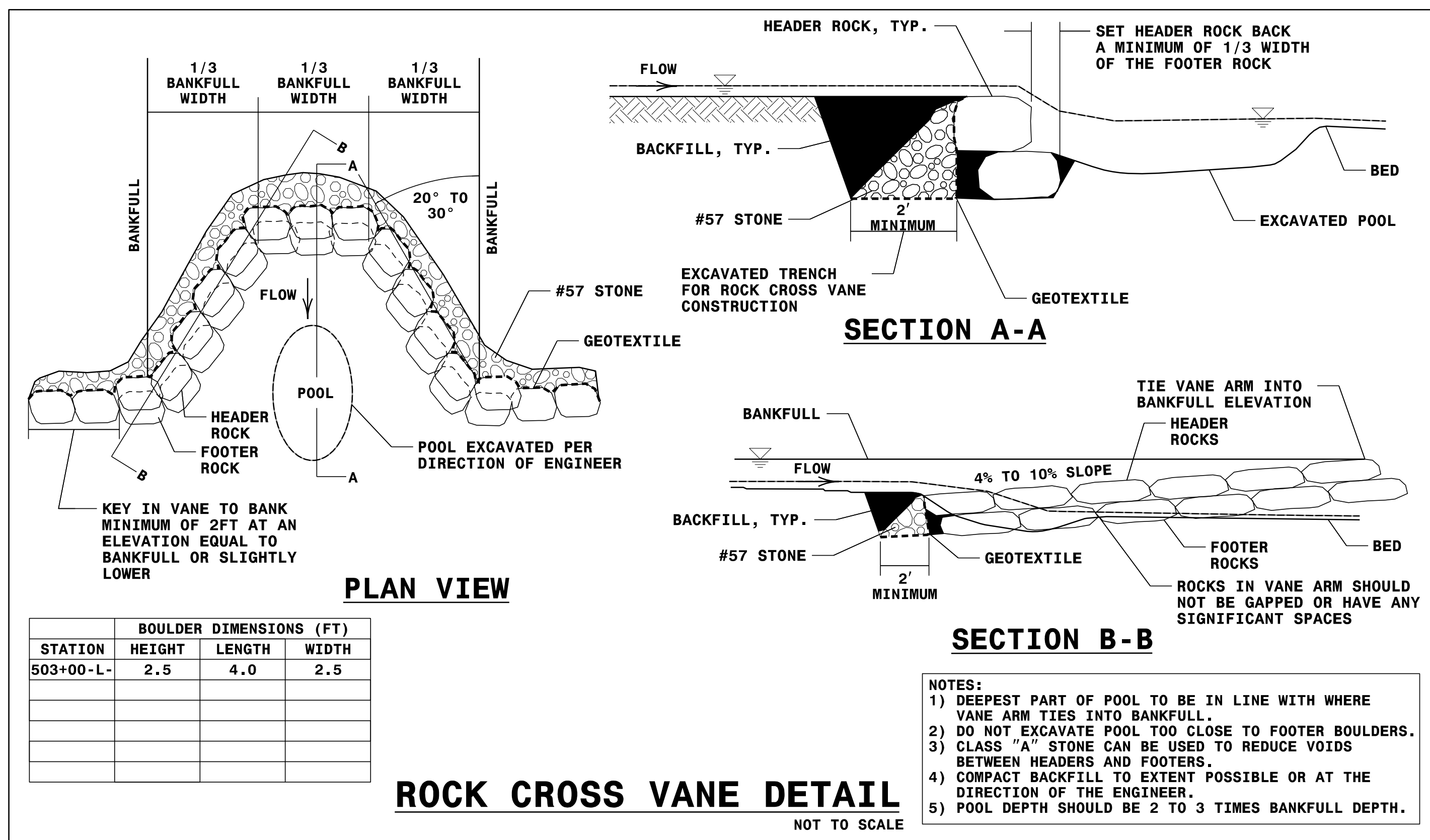


8/17/99

PROJECT REFERENCE NO. R-2915D	SHEET NO. 2D-1
RW SHEET NO.	
HYDRAULICS ENGINEER	

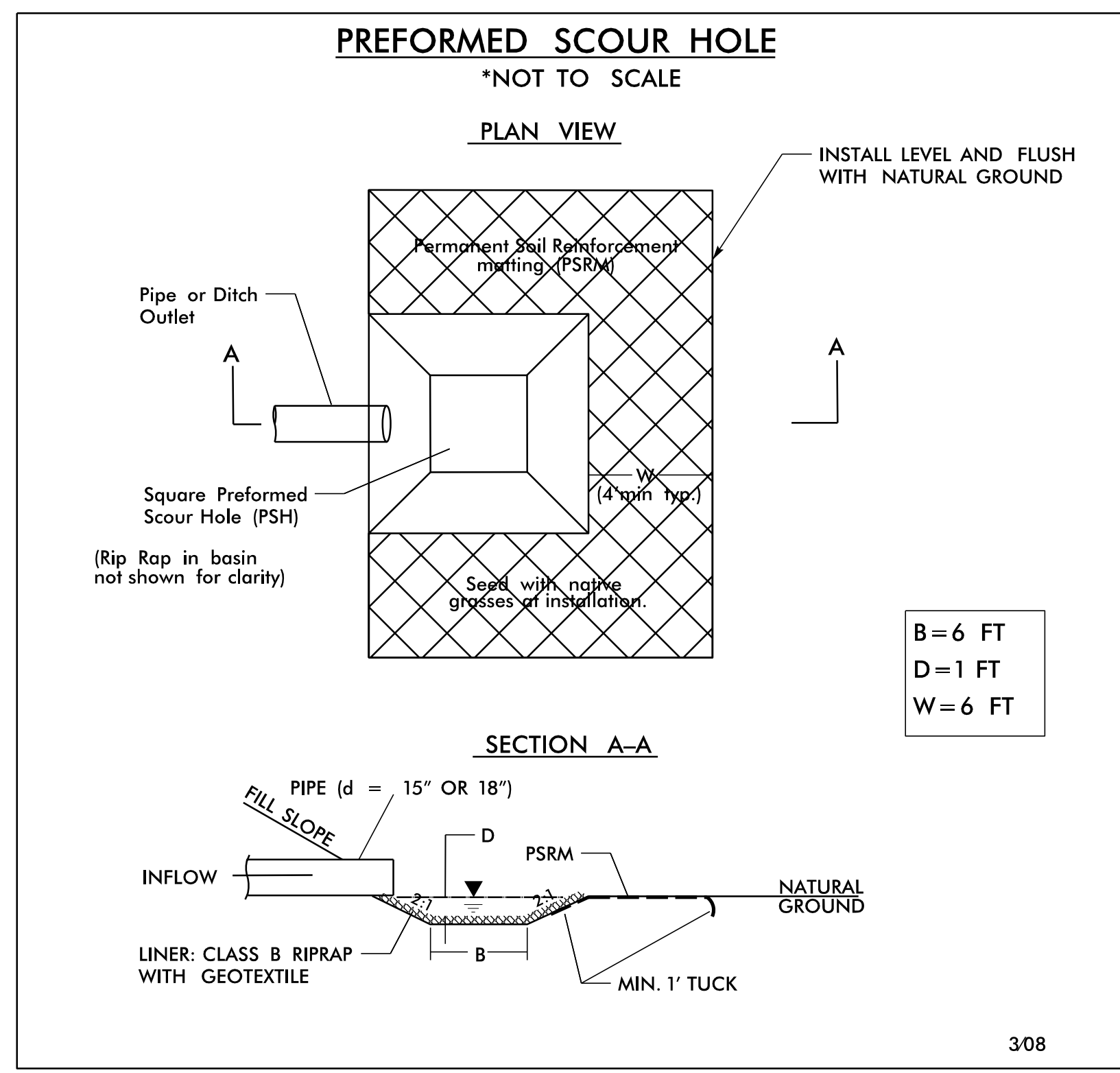
DRAINAGE DETAIL SHEET



ROCK CROSS VANE DETAIL
NOT TO SCALE

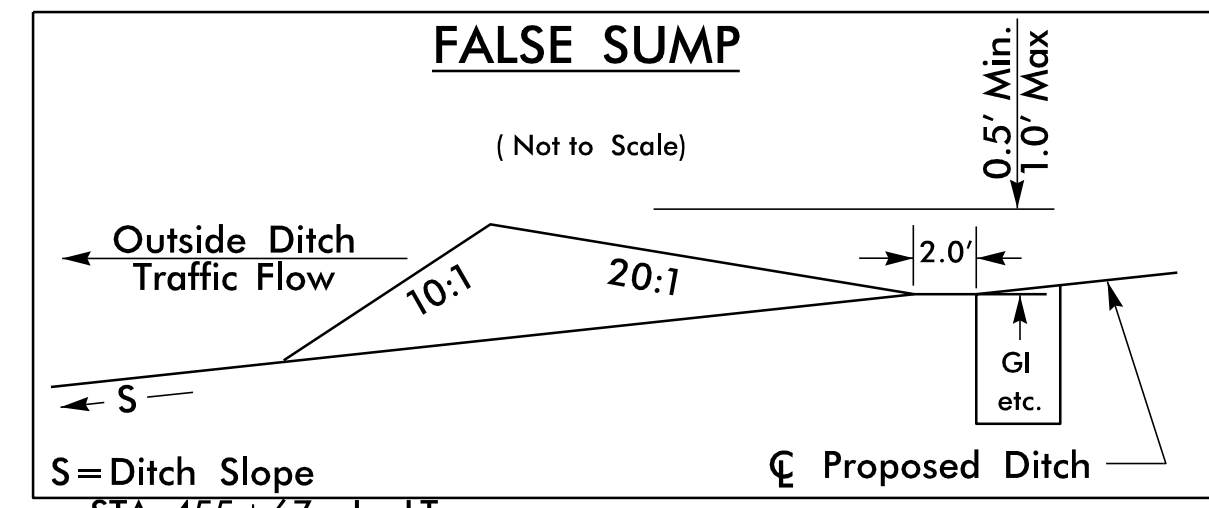
FROM STA. 502+94 TO STA. 503+21 -L- RT

- NOTES:**
- 1) DEEPEST PART OF POOL TO BE IN LINE WITH WHERE VANE ARM TIES INTO BANKFULL.
 - 2) DO NOT EXCAVATE POOL TOO CLOSE TO FOOTER BOULDERS.
 - 3) CLASS "A" STONE CAN BE USED TO REDUCE VOIDS BETWEEN HEADERS AND FOOTERS.
 - 4) COMPACT BACKFILL TO EXTENT POSSIBLE OR AT THE DIRECTION OF THE ENGINEER.
 - 5) POOL DEPTH SHOULD BE 2 TO 3 TIMES BANKFULL DEPTH.

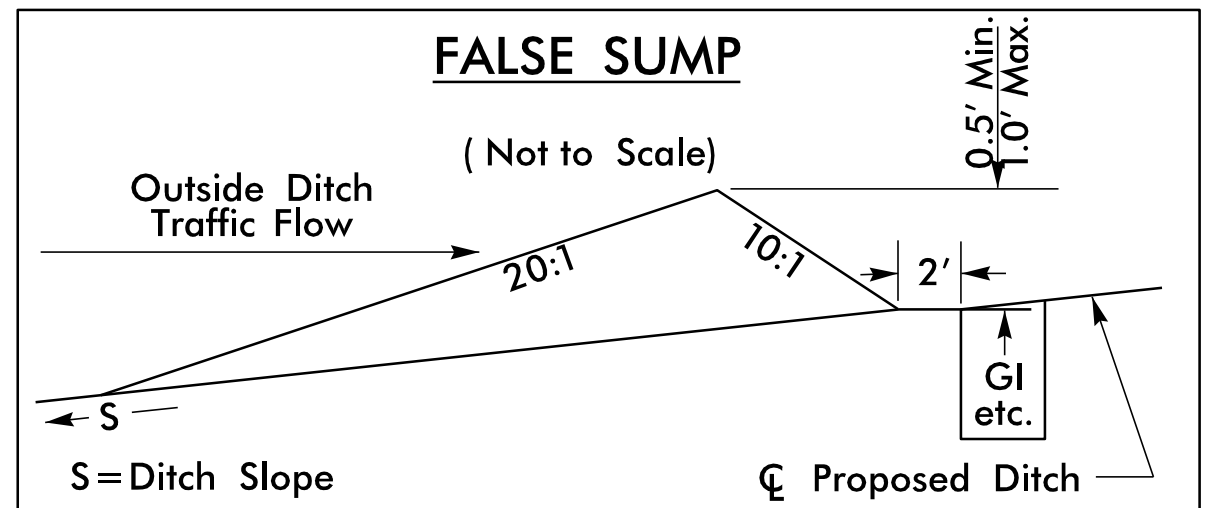


STA. 20+00 -TIE- RT
STA. 504+52 -L- RT
STA. 506+50 -L- LT
STA. 613+50 -L- RT
STA. 661+00 -L- LT

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- | | |
|--------------------|---------------------------|
| STA. 455+67 -L- LT | STA. 552+52 -L- LT (-60') |
| STA. 457+84 -L- LT | STA. 561+92 -L- RT |
| STA. 460+35 -L- LT | STA. 569+67 -L- RT |
| STA. 462+20 -L- LT | STA. 573+17 -L- RT |
| STA. 464+84 -L- LT | STA. 576+55 -L- RT |
| STA. 468+85 -L- LT | STA. 583+66 -L- RT |
| STA. 484+34 -L- LT | STA. 586+16 -L- RT |
| STA. 488+04 -L- LT | STA. 594+50 -L- LT |
| STA. 492+84 -L- LT | STA. 599+16 -L- RT |
| STA. 496+06 -L- LT | STA. 602+30 -L- RT |
| STA. 496+70 -L- LT | STA. 606+16 -L- RT |
| STA. 513+35 -L- LT | STA. 628+16 -L- RT |
| STA. 515+49 -L- LT | STA. 632+81 -L- RT |
| STA. 516+00 -L- LT | STA. 633+49 -L- RT |
| STA. 517+58 -L- LT | STA. 637+16 -L- RT |
| STA. 519+84 -L- LT | STA. 640+66 -L- RT |
| STA. 522+08 -L- LT | STA. 647+56 -L- RT |
| STA. 524+02 -L- LT | STA. 658+66 -L- RT |
| STA. 526+34 -L- LT | STA. 660+16 -L- RT |
| STA. 528+97 -L- LT | STA. 669+34 -L- LT |
| STA. 531+84 -L- LT | STA. 625+89 -L- RT |
| STA. 545+84 -L- LT | |



- | |
|----------------------------|
| STA. 461+50 -L- RT |
| STA. 468+36 -L- RT |
| STA. 470+91 -L- RT |
| STA. 477+28 -L- RT |
| STA. 488+03 -L- RT |
| STA. 495+73 -L- RT |
| STA. 514+67 -L- RT |
| STA. 517+55 -L- RT |
| STA. 545+84 -L- RT |
| STA. 549+08 -L- RT |
| STA. 552+55 -L- RT |
| STA. 552+52 -L- LT (-112') |
| STA. 561+91 -L- LT |
| STA. 575+16 -L- LT |
| STA. 581+66 -L- LT |
| STA. 583+66 -L- LT |
| STA. 599+16 -L- LT |
| STA. 603+66 -L- LT |
| STA. 606+57 -L- LT |
| STA. 633+46 -L- LT |
| STA. 658+66 -L- LT |
| STA. 666+44 -L- RT |
| STA. 671+84 -L- RT |

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 \$\$\$\$LSPERNAME\$\$\$\$