

| HAZEL AVENUE DRAINAGE STRUCTURE TABLE: STA 27+00 TO STA 32+50 | | | | | | | | | | | | | | | | | |
|---|----------|----------|-----------------------|----|-----|-------|---------------------|----------|-------------------|----|---|--------|--------|--------|---|--------|--------|
| STR. NO. | STATION | OFFSET | STRUCTURE TYPE / SIZE | | | | FRAME & GRATE / LID | RIM ELEV | INVERT ELEVATIONS | | | | | | | | |
| | | | MH | CB | INL | OTHER | | | N | NE | E | SE | S | SW | W | NW | |
| 401 | 28+38.31 | 3.92 RT | A5 | | | | CL 1 | 659.31 | 654.40 | | | 649.98 | | 652.36 | | 649.98 | |
| 402 | 28+38.61 | 12.00 LT | | C | | | OP 1 | 659.02 | 654.66 | | | | | 654.50 | | | |
| 403 | 28+37.24 | 41.07 RT | | A4 | | | OP 1 | 659.47 | 652.60 | | | | | | | | |
| 404 | 28+69.89 | 3.92 RT | A5 | | | | CL 1 | 659.36 | | | | 650.05 | | 654.95 | | 650.05 | |
| 405 | 28+69.69 | 12.00 RT | | A4 | | | OP 1 | 658.96 | 655.00 | | | | | | | | |
| 406 | 30+06.49 | 3.92 RT | A6 | | | | CL 1 | 659.49 | 650.37 | | | | | 655.07 | | 650.37 | |
| 407 | 30+06.66 | 12.00 RT | | C | | | OP 1 | 659.43 | 655.12 | | | | | | | | |
| 408 | 29+51.39 | 12.00 LT | | A4 | | | OP 1 | 659.03 | | | | 655.00 | | | | | |
| 409 | 30+06.38 | 11.86 LT | A6 | | | | CL 1 | 659.47 | 650.94 | | | 650.58 | | 650.41 | | 654.72 | |
| 410 | 30+34.66 | 12.00 LT | A5 | | | | OP 1 | 659.26 | | | | 650.70 | | | | 650.70 | |
| 411 | 29+82.05 | 34.78 LT | | A4 | | | OP 1 | 659.08 | | | | 655.12 | | | | | |
| 412 | 30+06.69 | 34.55 LT | A4 | | | | CL 1 | 659.57 | 651.30 | | | 655.00 | | 651.30 | | 655.00 | |
| 413 | 30+10.49 | 34.78 LT | | A4 | | | OP 1 | 659.08 | | | | | | | | 655.00 | |
| 414 | 31+62.20 | 8.85 LT | A5 | | | | CL 1 | 659.69 | 654.00 | | | 651.36 | 655.54 | | | 651.30 | |
| 415 | 31+62.35 | 12.00 LT | | C | | | OP 1 | 659.64 | 654.03 | | | | | 654.03 | | | |
| 416 | 31+77.63 | 12.00 RT | | A4 | | | OP 1 | 659.64 | | | | | 655.65 | | | | 655.65 |

| PIPE NO. | LOCATION | | DESCRIPTION | CLASS | TYPE | DIA (IN) | LENGTH (FT) | SLOPE (%) | TBF (CY) |
|----------|-----------|---------|------------------------|-------|------|----------|-------------|-----------|----------|
| | FROM STR. | TO STR. | | | | | | | |
| S400 | 401 | 319 | STORM SEWER | A | 2 | 36 | 149 | 0.10 | 294.7 |
| S401 | 404 | 401 | STORM SEWER | A | 2 | 30 | 32 | 0.23 | 44.7 |
| S402 | 402 | 401 | STORM SEWER | A | 2 | 15 | 18 | 0.51 | 8.5 |
| S403 | EX | 402 | STORM SEWER | A | 2 | 6 | 8 | 2.25 | 2.9 |
| S404 | 403 | 401 | STORM SEWER | A | 2 | 12 | 35 | 0.56 | 21.8 |
| S405 | 405 | 404 | STORM SEWER | A | 2 | 12 | 8 | 0.57 | 2.8 |
| S406 | 406 | 404 | STORM SEWER | A | 2 | 30 | 136 | 0.23 | 189.9 |
| S407 | 407 | 406 | STORM SEWER | A | 2 | 12 | 9 | 0.55 | 3.2 |
| S408 | 408 | 409 | WATERMAIN REQUIREMENTS | A | 2 | 18 | 55 | 0.51 | 23.7 |
| S409 | 409 | 406 | STORM SEWER | A | 2 | 24X38 | 16 | 0.25 | 22.0 |
| S410 | 410 | 409 | WATERMAIN REQUIREMENTS | A | 2 | 24 | 26 | 0.42 | 29.7 |
| S411 | 411 | 412 | WATERMAIN REQUIREMENTS | A | 2 | 18 | 24 | 0.49 | 9.9 |
| S412 | 412 | 409 | WATERMAIN REQUIREMENTS | A | 2 | 15 | 23 | 0.52 | 19.6 |
| S413 | 413 | 412 | STORM SEWER | A | 2 | 15 | 3 | 0.52 | 1.1 |
| S414 | 416 | 414 | STORM SEWER | A | 2 | 12 | 22 | 0.49 | 10.8 |
| S415 | 415 | 414 | STORM SEWER | A | 2 | 15 | 5 | 0.63 | 2.6 |
| S416 | EX | 415 | STORM SEWER | A | 2 | 10 | 8 | 2.06 | 3.8 |
| S417 | 416 | 500 | WATERMAIN REQUIREMENTS | A | 2 | 12 | 70 | 0.50 | 23.5 |

| HAZEL AVENUE DRAINAGE STRUCTURE TABLE: STA 32+50 TO STA 38+50 | | | | | | | | | | | | | | | | | |
|---|----------|----------|-----------------------|----|-----|-------|---------------------|----------|-------------------|--------|---|--------|--------|--------|---|--------|--------|
| STR. NO. | STATION | OFFSET | STRUCTURE TYPE / SIZE | | | | FRAME & GRATE / LID | RIM ELEV | INVERT ELEVATIONS | | | | | | | | |
| | | | MH | CB | INL | OTHER | | | N | NE | E | SE | S | SW | W | NW | |
| 500 | 32+50.00 | 23.00 RT | | C | | | 8 | 659.91 | | | | | | | | 656.00 | |
| 501 | 33+11.10 | 36.62 LT | | C | | | OP 1 | 659.94 | | | | 655.70 | | | | | |
| 502 | 33+16.08 | 36.50 LT | A6 | | | | CL 1 | 660.42 | 650.36 | | | 655.55 | | 650.36 | | 655.67 | |
| 503 | 33+45.78 | 36.47 LT | | C | | | OP 1 | 659.94 | | | | | | | | 655.70 | |
| 504 | 33+16.27 | 8.00 LT | A6 | | | | CL 1 | 660.35 | 650.10 | | | 650.94 | | 649.78 | | | |
| 505 | 33+17.23 | 44.61 RT | A6 | | | | CL 1 | 659.9 | 649.21 | | | | | 649.21 | | | |
| 506 | 33+70.35 | 12.00 LT | | C | | | OP 1 | 659.89 | | | | | | 655.10 | | | |
| 507 | 33+70.34 | 8.10 LT | A4 | | | | CL 1 | 660.42 | 655.07 | | | 652.46 | | 656.00 | | 651.46 | |
| 508 | 33+70.29 | 12.00 RT | | C | | | OP 1 | 659.9 | 656.10 | | | | | | | | |
| 509 | 34+94.18 | 12.00 LT | | C | | | OP 1 | 660.46 | | | | | 656.30 | | | | |
| 510 | 34+94.12 | 8.10 LT | A4 | | | | CL 1 | 660.58 | 656.27 | | | 653.66 | | 656.27 | | 653.66 | |
| 511 | 34+94.12 | 12.00 RT | | C | | | OP 1 | 660.46 | 656.40 | | | | | | | | |
| 512 | 36+33.16 | 36.65 LT | | C | | | OP 1 | 661.72 | | | | 657.65 | | | | | |
| 513 | 36+48.18 | 36.63 LT | A4 | | | | CL 1 | 662.52 | 656.26 | | | 657.55 | | 656.26 | | 657.55 | |
| 514 | 36+56.03 | 36.65 LT | | A4 | | | OP 1 | 662.05 | | | | | | | | 657.61 | |
| 515 | 36+47.98 | 7.00 LT | A4 | | | | CL 1 | 662.27 | 655.96 | | | 658.40 | | | | 655.43 | |
| 516 | 36+87.96 | 11.00 LT | | A4 | | | OP 1 | 662.65 | | | | 658.60 | | | | 658.60 | |
| 517 | 36+88.93 | 11.13 RT | | C | | | OP 1 | 662.63 | | | | | | 658.36 | | | |
| 518 | 36+88.87 | 19.49 RT | A6 | | | | CL 1 | 662.96 | 658.30 | | | 650.79 | | 650.79 | | | |
| 519 | 38+12.49 | 48.98 LT | | C | | | 8 | 664.02 | | | | 660.50 | | | | | |
| 520 | 38+33.16 | 48.90 LT | A5 | | | | CL 1 | 664.92 | 652.62 | | | 660.05 | | 652.62 | | 660.41 | |
| 521 | 38+39.85 | 48.97 LT | | C | | | 8 | 664.09 | | | | | | | | 660.09 | |
| 522 | 38+31.87 | 11.73 LT | A4 | | | | CL 1 | 664.02 | 652.30 | | | | | 652.30 | | | 659.70 |
| 523 | 38+26.22 | 11.00 RT | | C | | | OP 1 | 664.55 | | | | 660.00 | | | | | |
| 524 | 38+30.89 | 19.29 RT | A6 | | | | CL 1 | 664.71 | 651.95 | 659.95 | | | | | | 651.95 | |

| HAZEL AVENUE PIPE TABLE: STA 32+50 TO STA 38+50 | | | | | | | | | |
|---|-----------|---------|--------------------------|-------|------|----------|-------------|-----------|----------|
| PIPE NO. | LOCATION | | DESCRIPTION | CLASS | TYPE | DIA (IN) | LENGTH (FT) | SLOPE (%) | TBF (CY) |
| | FROM STR. | TO STR. | | | | | | | |
| S501 | 501 | 502 | STORM SEWER | A | 2 | 15 | 5 | 0.67 | 1.9 |
| S502 | 503 | 502 | STORM SEWER | A | 2 | 21 | 30 | 0.50 | 14.7 |
| S503 | 502 | 504 | STORM SEWER | A | 2 | 42 | 27 | 0.94 | 67.3 |
| S504 | 504 | 505 | STORM SEWER | A | 2 | 42 | 54 | 0.99 | 139.1 |
| S505 | 507 | 504 | WATERMAIN REQUIREMENTS * | A | 2 | 24 | 54 | 0.97 | 57.6 |
| S506 | 506 | 507 | STORM SEWER | A | 2 | 21 | 4 | 0.64 | 2.1 |
| S507 | 508 | 507 | STORM SEWER | A | 2 | 12 | 22 | 0.48 | 9.4 |
| S508 | 510 | 507 | STORM SEWER | A | 2 | 18 | 124 | 0.97 | 100.2 |
| S509 | EX | 509 | STORM SEWER | A | 2 | 10 | 8 | 0.79 | 2.7 |
| S510 | 509 | 510 | STORM SEWER | A | 2 | 15 | 5 | 0.55 | 2.0 |
| S511 | 511 | 510 | STORM SEWER | A | 2 | 12 | 21 | 0.62 | 7.0 |
| S512 | 515 | 510 | WATERMAIN REQUIREMENTS * | A | 2 | 18 | 154 | 1.11 | 114.8 |
| S513 | 512 | 513 | WATERMAIN REQUIREMENTS | A | 2 | 12 | 15 | 0.67 | 5.5 |
| S514 | 514 | 513 | STORM SEWER | A | 2 | 12 | 7 | 0.76 | 2.7 |
| S515 | 513 | 515 | STORM SEWER | A | 2 | 15 | 30 | 1.00 | 18.2 |
| S516 | 516 | 515 | STORM SEWER | A | 2 | 12 | 40 | 0.50 | 12.7 |
| S517 | 517 | 518 | STORM SEWER | A | 2 | 12 | 7 | 0.80 | 2.5 |
| S518 | EX | 518 | STORM SEWER | A | 2 | 24 | 8 | 0.86 | 3.9 |
| S519 | 518 | EX | STORM SEWER | A | 2 | 30 | 6 | 0.60 | 3.4 |
| S520 | 519 | 520 | STORM SEWER | A | 2 | 15 | 19 | 0.49 | 5.6 |
| S521 | 521 | 520 | STORM SEWER | A | 2 | 12 | 6 | 0.50 | 2.2 |
| S522 | 520 | 522 | STORM SEWER | A | 2 | 27 | 37 | 0.50 | 65.1 |
| S523 | 522 | 524 | WATERMAIN REQUIREMENTS | A | 2 | 27 | 27 | 0.97 | 48.1 |
| S524 | 523 | 524 | STORM SEWER | A | 2 | 12 | 7 | 0.50 | 2.7 |

* WATER MAIN REQUIREMENT STORM SEWER LENGTH ONLY FOR 20 FOOT IMMEDIATE CROSSING OF WATER MAIN

MODEL: Default; FILE NAME: E:\090-006 - Hazal Avenue Phase II DeerfieldCADD Sheets\11_Drainage Sheets\20-00108-00-PV_SHT_Drainage_013_Table.dgn



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40.0001' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|---------------------|--------------------------------|--|
| HAZEL AVENUE IMPROVEMENTS DRAINAGE AND UTILITY PLAN AND PROFILE | | | |
| SCALE: NTS | SHEET 2 OF 4 SHEETS | STA. 62+00.00 TO STA. 64+32.86 | |

| | | | | |
|------------|----------------|----------|--------------------|-----------|
| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 101 |
| | | | CONTRACT NO. 61K74 | |
| | | ILLINOIS | FED. AID PROJECT | |

| HAZEL AVENUE DRAINAGE STRUCTURE TABLE: STA 38+50 TO STA 44+50 | | | | | | | | | | | | | | | | |
|---|----------|----------|-----------------------|----|-----|-------|---------------------|----------|-------------------|--------|--------|--------|--------|--------|--------|--------|
| STR. NO. | STATION | OFFSET | STRUCTURE TYPE / SIZE | | | | FRAME & GRATE / LID | RIM ELEV | INVERT ELEVATIONS | | | | | | | |
| | | | MH | CB | INL | OTHER | | | N | NE | E | SE | S | SW | W | NW |
| 601 | 38+61.39 | 11.00 LT | | C | | | OP 1 | 664.27 | | | | | | | 659.90 | |
| 602 | 40+17.46 | 20.67 LT | | A4 | | | 8 | 665.44 | | | | 660.10 | | | | |
| 603 | 40+31.12 | 14.03 LT | A7 | | | | OP 1 | 665.84 | | | 657.90 | | 656.97 | | | 660.00 |
| 604 | 40+03.32 | 21.16 RT | | C | | | OP 1 | 665.65 | | | | | | | 661.63 | |
| 605 | 40+42.82 | 20.98 RT | | C | | | OP 1 | 665.65 | | | | | | | 661.57 | |
| 606 | 40+30.04 | 35.52 RT | A5 | | | | CL 1 | 665.63 | 656.7 | | 661.5 | | 656.7 | | 661.50 | |
| 607 | 41+43.60 | 15.58 LT | A5 | | | | OP 1 | 666.68 | | | 658.34 | | | | 658.29 | |
| 608 | 41+57.20 | 15.58 LT | A7 | | | | CL 1 | 666.74 | 660.10 | | 660.05 | | | | 658.38 | |
| 609 | 41+90.50 | 15.59 LT | A5 | | | | OP 1 | 666.75 | | | 660.20 | | 662.78 | | 660.20 | |
| 610 | 41+90.46 | 11.00 RT | | A4 | | | OP 1 | 666.84 | 662.92 | | | | | | | |
| 611 | 41+50.68 | 41.61 LT | | A4 | | | 8 | 666.53 | | | 661.19 | | | | | |
| 612 | 41+57.53 | 41.70 LT | A4 | | | | CL 1 | 666.94 | 660.34 | | 661.15 | | 660.34 | | 661.15 | |
| 613 | 41+84.93 | 41.36 LT | | A4 | | | 8 | 666.49 | 663.62 | 664.61 | | | | | 661.38 | |
| 614 | 43+53.25 | 12.58 LT | A5 | | | | OP 1 | 668.10 | | | 661.49 | | 664.35 | | 661.49 | |
| 615 | 43+53.11 | 34.71 RT | | A4 | | | OP 1 | 668.68 | 664.59 | | 664.59 | | | | | |
| 616 | 43+74.92 | 34.74 RT | | A4 | | | OP 1 | 668.65 | | 664.7 | | | | | 664.7 | |
| 617 | 43+84.94 | 15.85 RT | | C | | | OP 1 | 668.69 | | | | | | 664.82 | | |

| HAZEL AVENUE PIPE TABLE: STA 38+50 TO STA 44+50 | | | | | | | | | |
|---|-----------|---------|------------------------|-------|------|----------|-------------|-----------|----------|
| PIPE NO. | LOCATION | | DESCRIPTION | CLASS | TYPE | DIA (IN) | LENGTH (FT) | SLOPE (%) | TBF (CY) |
| | FROM STR. | TO STR. | | | | | | | |
| S601 | 601 | 522 | WATERMAIN REQUIREMENTS | A | 2 | 15 | 29 | 0.68 | 11.3 |
| S602 | 602 | 603 | STORM SEWER | A | 2 | 18 | 15 | 0.65 | 10.7 |
| S603 | EX | 603 | STORM SEWER | A | 2 | 12 | 8 | 1.72 | 4.3 |
| S604 | 603 | 606 | STORM SEWER | A | 2 | 36 | 46 | 0.59 | 90.9 |
| S605 | 604 | 606 | WATERMAIN REQUIREMENTS | A | 2 | 12 | 27 | 0.48 | 9.1 |
| S606 | 605 | 606 | STORM SEWER | A | 2 | 12 | 16 | 0.54 | 5.4 |
| S607 | 607 | 603 | STORM SEWER | A | 2 | 36 | 113 | 0.34 | 216.7 |
| S608 | 608 | 607 | STORM SEWER | A | 2 | 36 | 14 | 0.32 | 25.1 |
| S609 | 609 | 608 | WATERMAIN REQUIREMENTS | A | 2 | 24 | 33 | 0.30 | 27.4 |
| S610 | 610 | 609 | WATERMAIN REQUIREMENTS | A | 2 | 18 | 28 | 0.52 | 10.1 |
| S611 | 611 | 612 | STORM SEWER | A | 2 | 24 | 6 | 0.94 | 4.3 |
| S612 | 613 | 614 | WATERMAIN REQUIREMENTS | A | 2 | 24 | 27 | 0.84 | 20.6 |
| S613 | EX | 613 | STORM SEWER | A | 2 | 8 | 8 | | 3.8 |
| S614 | EX | 613 | STORM SEWER | A | 2 | 8 | 8 | | 3.8 |
| S615 | 612 | 608 | STORM SEWER | A | 2 | 27 | 26 | 0.86 | 23.2 |
| S616 | 614 | 609 | STORM SEWER | A | 2 | 24 | 163 | 0.79 | 149.5 |
| S617 | 615 | 614 | WATERMAIN REQUIREMENTS | A | 2 | 12 | 49 | 0.50 | 14.8 |
| S618 | 616 | 615 | WATERMAIN REQUIREMENTS | A | 2 | 12 | 22 | 0.50 | 6.9 |
| S619 | 617 | 616 | STORM SEWER | A | 2 | 12 | 21 | 0.58 | 6.4 |
| S620 | 701 | 614 | STORM SEWER | A | 2 | 24 | 121 | 1.17 | 176.0 |

| HAZEL AVENUE DRAINAGE STRUCTURE TABLE: STA 44+50 TO STA 50+50 | | | | | | | | | | | | | | | | |
|---|----------|----------|-----------------------|----|-----|-------|---------------------|----------|-------------------|--------|--------|--------|--------|----|--------|--------|
| STR. NO. | STATION | OFFSET | STRUCTURE TYPE / SIZE | | | | FRAME & GRATE / LID | RIM ELEV | INVERT ELEVATIONS | | | | | | | |
| | | | MH | CB | INL | OTHER | | | N | NE | E | SE | S | SW | W | NW |
| 701 | 44+74.60 | 15.42 LT | A4 | | | | OP 1 | 669.78 | | | 662.90 | | | | 662.90 | |
| 702 | 45+07.02 | 15.56 LT | A4 | | | | CL 1 | 670.25 | 664.43 | | 663.92 | | | | 663.29 | |
| 703 | 45+17.59 | 15.53 LT | A4 | | | | OP 1 | 669.84 | | | 664.00 | | 665.25 | | 664.00 | |
| 704 | 44+85.70 | 44.77 LT | | C | | | OP 1 | 670.20 | | | 666.00 | | | | | |
| 705 | 45+05.72 | 44.71 LT | | A4 | | | OP 1 | 670.11 | | | | | 664.58 | | 665.90 | |
| 706 | 45+17.73 | 11.00 RT | | C | | | OP 1 | 669.84 | 665.40 | | | | | | | |
| 707 | 46+66.31 | 23.02 RT | | C | | | OP 1 | 671.77 | | | 667.70 | | | | | |
| 708 | 46+92.49 | 24.17 RT | | A4 | | | OP 1 | 671.71 | 667.55 | 667.55 | | | | | 667.55 | |
| 709 | 46+89.58 | 15.76 LT | A4 | | | | OP 1 | 671.79 | 666.34 | | 666.03 | | 667.35 | | 666.03 | |
| 710 | 47+22.73 | 15.71 LT | A4 | | | | CL 1 | 672.90 | | | | | 668.48 | | 666.20 | |
| 711 | 47+22.65 | 11.00 LT | | C | | | OP 1 | 672.50 | 668.50 | | | | | | | |
| 712 | 47+22.65 | 11.00 RT | | C | | | OP 1 | 672.50 | | | | | 667.70 | | | |
| 713 | 49+37.36 | 11.00 LT | | C | | | OP 1 | 674.60 | | | 670.60 | | | | | |
| 714 | 49+59.21 | 49.54 LT | | C | | | OP 1 | 675.13 | | | 670.90 | | | | | |
| 715 | 49+77.35 | 54.07 LT | | A4 | | | OP 1 | 675.05 | | | | | | | 670.80 | |
| 716 | 49+97.97 | 14.88 LT | A8 | | | | OP 1 | 674.97 | 670.60 | | 670.30 | 670.30 | | | 670.35 | |
| 717 | 50+17.25 | 11.00 LT | | C | | | OP 1 | 674.55 | | | | | | | | 670.48 |
| 718 | 49+62.60 | 11.00 RT | | C | | | OP 1 | 674.60 | | | 670.60 | | | | | |
| 719 | 49+82.46 | 22.26 RT | | A4 | | | OP 1 | 674.72 | | | 670.48 | | | | | 670.48 |
| 720 | 50+09.30 | 22.26 RT | | A5 | | | OP 1 | 674.88 | 670.05 | | 670.35 | | 669.60 | | 670.35 | |
| 721 | 50+32.69 | 11.00 RT | | C | | | OP 1 | 674.96 | | | | | | | 670.55 | |

| HAZEL AVENUE PIPE TABLE: STA 44+50 TO STA 50+50 | | | | | | | | | |
|---|-----------|---------|------------------------|-------|------|----------|-------------|-----------|----------|
| PIPE NO. | LOCATION | | DESCRIPTION | CLASS | TYPE | DIA (IN) | LENGTH (FT) | SLOPE (%) | TBF (CY) |
| | FROM STR. | TO STR. | | | | | | | |
| S701 | 702 | 701 | WATERMAIN REQUIREMENTS | A | 2 | 24 | 32 | 1.20 | 28.4 |
| S702 | 703 | 702 | STORM SEWER | A | 2 | 21 | 11 | 0.75 | 7.5 |
| S703 | 704 | 705 | WATERMAIN REQUIREMENTS | A | 2 | 12 | 22 | 0.49 | 7.4 |
| S704 | EX | 705 | STORM SEWER | A | 2 | 12 | 8 | 0.49 | 3.8 |
| S705 | 705 | 702 | STORM SEWER | A | 2 | 15 | 29 | 0.51 | 15.8 |
| S706 | 709 | 703 | STORM SEWER | A | 2 | 18 | 172 | 1.19 | 117.8 |
| S707 | 706 | 703 | WATERMAIN REQUIREMENTS | A | 2 | 12 | 27 | 0.55 | 10.0 |
| S708 | 707 | 708 | WATERMAIN REQUIREMENTS | A | 2 | 12 | 25 | 0.57 | 8.0 |
| S709 | 712 | 708 | STORM SEWER | A | 2 | 12 | 33 | 0.47 | 12.0 |
| S710 | 708 | 709 | WATERMAIN REQUIREMENTS | A | 2 | 12 | 39 | 0.51 | 13.5 |
| S711 | 710 | 709 | STORM SEWER | A | 2 | 12 | 33 | 0.52 | 13.6 |
| S712 | EX | 709 | STORM SEWER | A | 2 | 6 | 8 | 1.00 | 2.2 |
| S713 | 711 | 710 | STORM SEWER | A | 2 | 12 | 4 | 1.33 | 1.3 |
| S714 | 713 | 716 | WATERMAIN REQUIREMENTS | A | 2 | 15 | 56 | 0.54 | 19.9 |
| S715 | 714 | 715 | STORM SEWER | A | 2 | 12 | 18 | 0.55 | 6.0 |
| S716 | EX | 715 | STORM SEWER | A | 2 | 12 | 8 | EX | 7.1 |
| S717 | 715 | 716 | STORM SEWER | A | 2 | 15 | 40 | 0.50 | 1.3 |
| S718 | 717 | 716 | WATERMAIN REQUIREMENTS | A | 2 | 15 | 17 | 1.06 | 11.7 |
| S719 | 716 | 720 | WATERMAIN REQUIREMENTS | A | 2 | 21 | 35 | 0.71 | 24.9 |
| S720 | 718 | 719 | STORM SEWER | A | 2 | 15 | 23 | 0.53 | 8.1 |
| S721 | 719 | 720 | WATERMAIN REQUIREMENTS | A | 2 | 15 | 27 | 0.48 | 10.6 |
| S722 | 720 | EX | STORM SEWER | A | 2 | 15 | 8 | 0.63 | 4.3 |
| S723 | 721 | 720 | STORM SEWER | A | 2 | 12 | 26 | 0.59 | 10.2 |

• WATER MAIN REQUIREMENT STORM SEWER LENGTH ONLY FOR 20 FOOT IMMEDIATE CROSSING OF WATER MAIN

MODEL: D:\p\11... FILE NAME: E:\000-006 - Hazel Avenue Phase II Deerfield CDD Sheets\11_Drainage Sheets\20-00108-00-PV_SHT_Drainage_013_Table.dgn



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40.0001' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | |
|--|---------------------|--------------------------------|--|
| HAZEL AVENUE IMPROVEMENTS DRAINAGE AND UTILITY PLAN AND PROFILE | | | |
| SCALE: NTS | SHEET 3 OF 4 SHEETS | STA. 62+00.00 TO STA. 64+32.86 | |

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 102 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| STR. NO. | STATION | OFFSET | STRUCTURE TYPE / SIZE | | | | FRAME & GRATE / LID | RIM ELEV | INVERT ELEVATIONS | | | | | | | | | |
|----------|----------|----------|-----------------------|----|-----|-------|---------------------|----------|-------------------|----|--------|--------|--------|--------|--------|--------|--|--------|
| | | | MH | CB | INL | OTHER | | | N | NE | E | SE | S | SW | W | NW | | |
| 801 | 52+81.35 | 25.67 LT | | A4 | | | 8 | 675.96 | | | | | | | 671.00 | | | |
| 802 | 52+27.95 | 11.00 LT | | C | | | OP 1 | 675.83 | | | | | | | 669.70 | | | |
| 803 | 52+27.95 | 11.00 RT | | A4 | | | OP 1 | 675.83 | 669.58 | | 669.58 | | | | | | | |
| 804 | 53+04.49 | 34.19 LT | | A4 | | | OP 1 | 678.10 | | | 670.87 | | | | | 670.87 | | |
| 805 | 53+20.94 | 38.80 LT | A4 | | | | CL 1 | 677.72 | 668.52 | | 673.01 | | | 668.52 | | 670.77 | | |
| 806 | 53+34.17 | 43.03 LT | | C | | | OP 1 | 678.10 | | | | | | | | 673.10 | | |
| 807 | 53+33.68 | 11.60 RT | A4 | | | | CL 1 | 677.30 | 668.01 | | | 674.00 | 668.01 | | | 669.00 | | |
| 808 | 53+57.95 | 23.56 RT | | C | | | OP 1 | 679.36 | | | | | | | | | | 674.14 |
| 809 | 54+64.92 | 46.89 LT | | C | | | OP 1 | 679.07 | | | 673.00 | | | | | | | |
| 810 | 54+92.03 | 53.98 LT | A5 | | | | OP 1 | 679.07 | 670.66 | | | | | 670.66 | | 672.86 | | |
| 811 | 54+71.00 | 11.91 RT | | C | | | OP 1 | 681.09 | | | 675.14 | | | | | | | |
| 812 | 55+08.31 | 7.03 RT | A7 | | | | CL 1 | 679.70 | 668.58 | | 668.64 | | | 668.58 | | 674.90 | | |

| HAZEL AVENUE PIPE TABLE: STA 50+50 TO STA 56+50 | | | | | | | | | | |
|---|-----------|---------|--------------------------|-------|------|----------|-------------|-----------|----------|--|
| PIPE NO. | LOCATION | | DESCRIPTION | CLASS | TYPE | DIA (IN) | LENGTH (FT) | SLOPE (%) | TBF (CY) | |
| | FROM STR. | TO STR. | | | | | | | | |
| S801 | 801 | 802 | STORM SEWER | A | 2 | 21 | 55 | 0.54 | 39.4 | |
| S802 | 802 | 803 | WATERMAIN REQUIREMENTS | A | 2 | 21 | 23 | 0.51 | 20.0 | |
| S803 | 803 | 807 | WATERMAIN REQUIREMENTS * | A | 2 | 21 | 106 | 0.56 | 91.5 | |
| S804 | 804 | 805 | WATERMAIN REQUIREMENTS | A | 2 | 24 | 17 | 0.53 | 15.5 | |
| S805 | 806 | 805 | STORM SEWER | A | 2 | 12 | 13 | 0.63 | 5.4 | |
| S806 | 805 | 807 | STORM SEWER | A | 2 | 18 | 52 | | 57.9 | |
| S807 | 808 | 807 | STORM SEWER | A | 2 | 12 | 27 | 0.51 | 6.8 | |
| S808 | 809 | 810 | WATERMAIN REQUIREMENTS | A | 2 | 12 | 27 | 0.53 | 15.0 | |
| S809 | 810 | 812 | STORM SEWER | A | 2 | 24 | 63 | 3.28 | 82.4 | |
| S810 | 811 | 812 | WATERMAIN REQUIREMENTS | A | 2 | 12 | 38 | 0.64 | 17.4 | |
| S811 | 812 | EX | STORM SEWER | A | 2 | 24 | 8 | | 12.0 | |
| S812 | 904 | 812 | STORM SEWER | A | 2 | 30 | 211 | 0.87 | 301.6 | |

| HAZEL AVENUE DRAINAGE STRUCTURE TABLE: STA 56+50 TO STA 62+00 | | | | | | | | | | | | | | | | | | |
|---|----------|----------|-----------------------|----|-----|-------|---------------------|----------|-------------------|----|--------|----|---|--------|--------|--------|--|--------|
| STR. NO. | STATION | OFFSET | STRUCTURE TYPE / SIZE | | | | FRAME & GRATE / LID | RIM ELEV | INVERT ELEVATIONS | | | | | | | | | |
| | | | MH | CB | INL | OTHER | | | N | NE | E | SE | S | SW | W | NW | | |
| 901 | 57+01.52 | 11.00 LT | | A4 | | | OP 1 | 677.99 | | | 673.65 | | | | | | | 673.65 |
| 902 | 57+27.84 | 11.00 LT | | A4 | | | OP 1 | 677.91 | | | 673.50 | | | | 673.50 | | | |
| 903 | 57+20.45 | 7.00 RT | A5 | | | | CL 1 | 678.07 | 673.95 | | 670.43 | | | 673.95 | | 670.43 | | |
| 904 | 57+20.63 | 11.00 RT | | C | | | OP 1 | 677.98 | 673.98 | | | | | | | | | |
| 905 | 58+94.46 | 39.91 LT | | A4 | | | OP 1 | 678.59 | 674.59 | | | | | | | 674.59 | | |
| 906 | 58+73.57 | 36.02 LT | | A4 | | | OP 1 | 678.46 | | | 674.45 | | | 674.45 | | | | |
| 907 | 58+74.23 | 7.00 RT | A5 | | | | CL 1 | 679.32 | 674.25 | | 671.55 | | | 675.19 | | 671.55 | | |
| 908 | 58+73.75 | 11.00 RT | | C | | | OP 1 | 679.22 | 675.22 | | | | | | | | | |
| 909 | 59+23.89 | 11.00 LT | | C | | | OP 1 | 679.86 | | | | | | 675.9 | | | | |
| 910 | 59+24.00 | 7.00 RT | A5 | | | | CL 1 | 679.96 | 675.8 | | 671.84 | | | 675.8 | | 671.84 | | |
| 911 | 59+24.56 | 15.05 RT | | C | | | OP 1 | 679.86 | 675.84 | | | | | | | | | |
| 912 | 60+59.23 | 11.00 LT | | C | | | OP 1 | 680.04 | | | | | | 676.1 | | | | |
| 913 | 60+59.38 | 6.95 RT | A5 | | | | CL 1 | 680.16 | 676 | | 672.98 | | | 676 | | 672.98 | | |
| 914 | 60+59.57 | 11.00 RT | | C | | | OP 1 | 680.04 | 676.03 | | | | | | | | | |

| HAZEL AVENUE PIPE TABLE: STA 56+50 TO STA 62+00 | | | | | | | | | | |
|---|-----------|---------|--------------------------|-------|------|----------|-------------|-----------|----------|--|
| PIPE NO. | LOCATION | | DESCRIPTION | CLASS | TYPE | DIA (IN) | LENGTH (FT) | SLOPE (%) | TBF (CY) | |
| | FROM STR. | TO STR. | | | | | | | | |
| S901 | EX | 901 | STORM SEWER | A | 2 | 10 | 8 | 5.58 | 3.0 | |
| S902 | 901 | 902 | STORM SEWER | A | 2 | 15 | 26 | 0.56 | 10.4 | |
| S903 | EX | 902 | STORM SEWER | A | 2 | 6 | 8 | 8.00 | 2.5 | |
| S904 | 902 | 903 | WATERMAIN REQUIREMENTS | A | 2 | 21 | 20 | 0.74 | 10.1 | |
| S905 | 904 | 903 | STORM SEWER | A | 2 | 12 | 5 | 0.61 | 1.5 | |
| S906 | 907 | 903 | STORM SEWER | A | 2 | 24 | 144 | 0.76 | 91.3 | |
| S907 | 908 | 907 | STORM SEWER | A | 2 | 12 | 5 | 0.64 | 1.6 | |
| S908 | EX | 905 | STORM SEWER | A | 2 | 18 | 8 | 0.5 | 3.0 | |
| S909 | 905 | 906 | STORM SEWER | A | 2 | 18 | 21 | 0.66 | 8.1 | |
| S910 | 906 | 907 | WATERMAIN REQUIREMENTS * | A | 2 | 21 | 42 | 0.46 | 20.3 | |
| S911 | 910 | 907 | WATERMAIN REQUIREMENTS | A | 2 | 24 | 50 | 0.58 | 50.8 | |
| S912 | 909 | 910 | WATERMAIN REQUIREMENTS | A | 2 | 12 | 18 | 0.53 | 6.0 | |
| S913 | 911 | 910 | STORM SEWER | A | 2 | 12 | 8 | 0.51 | 2.6 | |
| S914 | 913 | 910 | WATERMAIN REQUIREMENTS * | A | 2 | 24 | 135 | 0.84 | 132.4 | |
| S915 | 912 | 913 | WATERMAIN REQUIREMENTS | A | 2 | 12 | 19 | 0.54 | 6.0 | |
| S916 | 914 | 913 | STORM SEWER | A | 2 | 12 | 5 | 0.55 | 1.5 | |
| S917 | 1001 | 913 | STORM SEWER | A | 2 | 24 | 223 | 0.76 | 198.3 | |

| HAZEL AVENUE DRAINAGE STRUCTURE TABLE: STA 62+00 TO STA 63+87.22 | | | | | | | | | | | | | | | | | | |
|--|----------|----------|-----------------------|----|-----|-------|---------------------|----------|-------------------|----|--------|----|---|--------|---|--------|--|--|
| STR. NO. | STATION | OFFSET | STRUCTURE TYPE / SIZE | | | | FRAME & GRATE / LID | RIM ELEV | INVERT ELEVATIONS | | | | | | | | | |
| | | | MH | CB | INL | OTHER | | | N | NE | E | SE | S | SW | W | NW | | |
| 1001 | 62+78.10 | 20.54 RT | A4 | | | | CL 1 | 684.62 | 674.80 | | 674.99 | | | | | 674.67 | | |
| 1002 | 62+98.00 | 17.97 RT | A4 | | | | OP 1 | 684.80 | | | 675.25 | | | 680.45 | | 675.25 | | |
| 1003 | 62+98.00 | 28.13 RT | A4 | | | | CL 1 | 685.45 | 680.52 | | | | | | | | | |
| 1004 | 62+90.55 | 24.84 LT | A5 | | | | OP 1 | 684.05 | 675.09 | | 680.83 | | | 675.09 | | | | |
| 1005 | 63+23.69 | 17.33 LT | | C | | | OP 1 | 685.00 | | | | | | | | 681 | | |
| 1006 | 63+64.23 | 15.43 RT | A4 | | | | CL 1 | 686.44 | | | 676.02 | | | | | 676.02 | | |

| HAZEL AVENUE PIPE TABLE: STA 62+00 TO STA 63+72.00 | | | | | | | | | | |
|--|-----------|---------|--------------------------|-------|------|----------|-------------|-----------|----------|--|
| PIPE NO. | LOCATION | | DESCRIPTION | CLASS | TYPE | DIA (IN) | LENGTH (FT) | SLOPE (%) | TBF (CY) | |
| | FROM STR. | TO STR. | | | | | | | | |
| S1001 | 1002 | 1001 | STORM SEWER | A | 2 | 24 | 21 | 1.00 | 27.3 | |
| S1002 | 1003 | 1002 | STORM SEWER | A | 2 | 12 | 10 | | 9.6 | |
| S1003 | 1004 | 1001 | WATERMAIN REQUIREMENTS * | A | 2 | 24 | 47 | 0.62 | 58.6 | |
| S1004 | 1005 | 1004 | STORM SEWER | A | 2 | 12 | 33 | 0.51 | 9.0 | |
| S1005 | EX | 1004 | STORM SEWER | A | 2 | 24 | 8 | 1.01 | 9.5 | |
| S1006 | 1006 | 1002 | STORM SEWER | A | 2 | 24 | 66 | 0.96 | 92.4 | |

• WATER MAIN REQUIREMENT STORM SEWER LENGTH ONLY FOR 20 FOOT IMMEDIATE CROSSING OF WATER MAIN

MODEL: Defaul
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| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40.0001' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

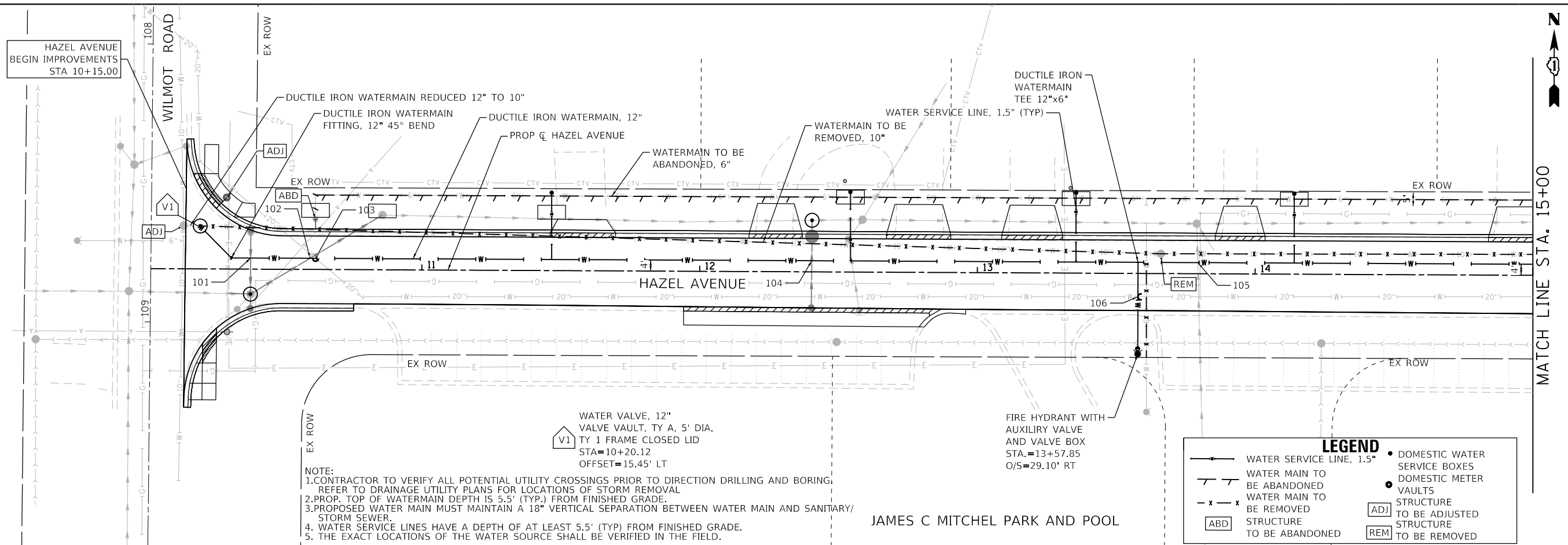
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|--|---------------------|--------------------------------|--|
| HAZEL AVENUE IMPROVEMENTS DRAINAGE AND UTILITY PLAN AND PROFILE | | | |
| SCALE: NTS | SHEET 4 OF 4 SHEETS | STA. 62+00.00 TO STA. 64+32.86 | |

| | | | | |
|---------------------------|------------------------|-------------|------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 103 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| | | |
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| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNMENT CHECKED | |
| | NOTE BOOK | |
| | NO. | |
| | CADD FILE NAME | |

| | | |
|---------|-----------------------------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | NOTE BOOK | |
| | NO. | |
| | STRUCTURE NOTATIONS CHECKED | |

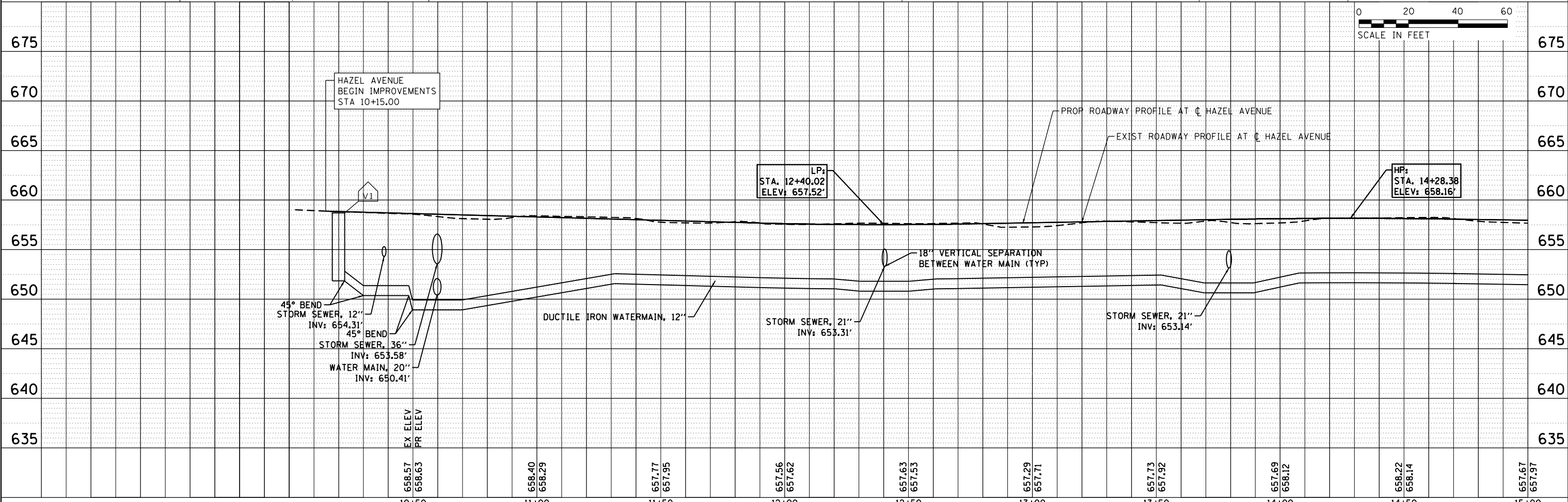
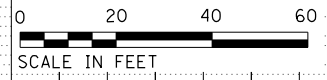
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- NOTE:
 1. CONTRACTOR TO VERIFY ALL POTENTIAL UTILITY CROSSINGS PRIOR TO DIRECTION DRILLING AND BORING. REFER TO DRAINAGE UTILITY PLANS FOR LOCATIONS OF STORM REMOVAL
 2. PROP. TOP OF WATERMAIN DEPTH IS 5.5' (TYP.) FROM FINISHED GRADE.
 3. PROPOSED WATER MAIN MUST MAINTAIN A 18" VERTICAL SEPARATION BETWEEN WATER MAIN AND SANITARY/STORM SEWER.
 4. WATER SERVICE LINES HAVE A DEPTH OF AT LEAST 5.5' (TYP.) FROM FINISHED GRADE.
 5. THE EXACT LOCATIONS OF THE WATER SOURCE SHALL BE VERIFIED IN THE FIELD.

LEGEND

- WATER SERVICE LINE, 1.5"
- /— WATER MAIN TO BE ABANDONED
- x-x- WATER MAIN TO BE REMOVED
- [ABD] STRUCTURE TO BE ABANDONED
- DOMESTIC WATER SERVICE BOXES
- DOMESTIC METER
- ⊙ VAULTS
- [ADJ] STRUCTURE TO BE ADJUSTED
- [REM] STRUCTURE TO BE REMOVED



| | | | | | | | | | |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 10+50 | 11+00 | 11+50 | 12+00 | 12+50 | 13+00 | 13+50 | 14+00 | 14+50 | 15+00 |
| 658.57 658.63 | 658.40 658.29 | 657.77 657.95 | 657.56 657.62 | 657.63 657.53 | 657.29 657.71 | 657.73 657.92 | 657.69 658.12 | 658.22 658.14 | 657.67 657.97 |



| | | |
|------------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40,000'1" / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

| | | | |
|---|---------|--------------|--------------------------------|
| HAZEL AVENUE IMPROVEMENTS WATERMAIN PLAN AND PROFILE | | | |
| SCALE: 1"=20' | SHEET 1 | OF 10 SHEETS | STA. 10+02.39 TO STA. 15+00.00 |

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 104 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

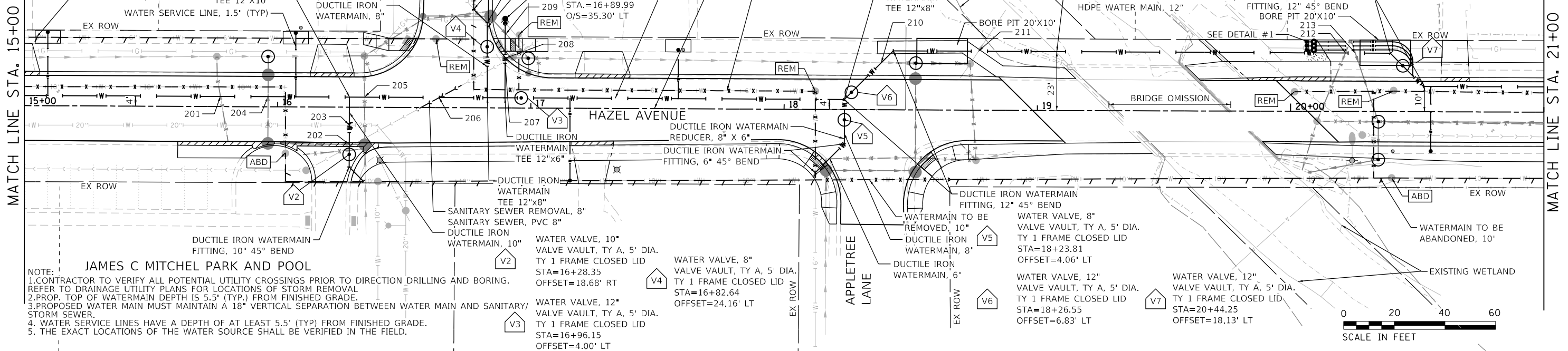
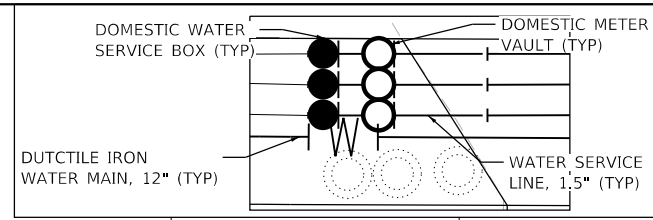
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| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNED | |
| | CHECKED | |
| | FILED | |
| | NO. | |
| | BY | |

| | | |
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| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES | |
| | CHECKED | |
| | FILED | |
| | NO. | |
| | BY | |

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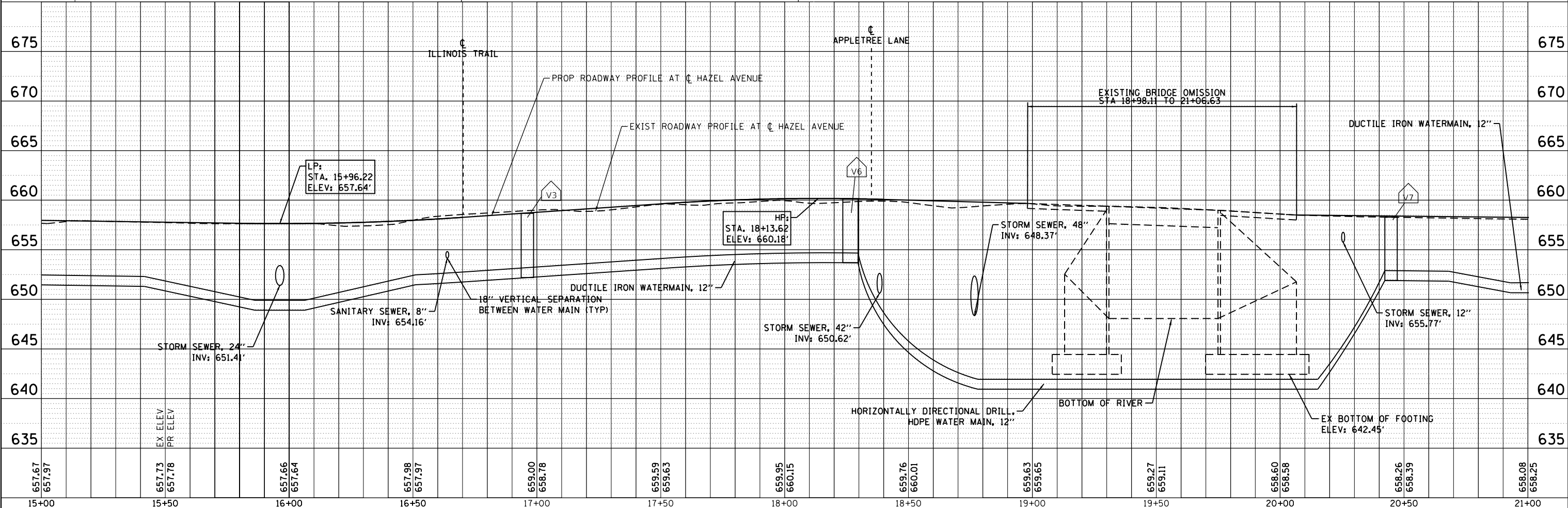
LEGEND

- WATER SERVICE LINE, 1.5"
- WATER MAIN TO BE ABANDONED
- - - WATER MAIN TO BE REMOVED
- ABD STRUCTURE TO BE ABANDONED
- DOMESTIC WATER SERVICE BOXES
- DOMESTIC METER VAULTS
- ADJ STRUCTURE TO BE ADJUSTED
- REM STRUCTURE TO BE REMOVED



JAMES C MITCHEL PARK AND POOL

NOTE:
 1. CONTRACTOR TO VERIFY ALL POTENTIAL UTILITY CROSSINGS PRIOR TO DIRECTION DRILLING AND BORING. REFER TO DRAINAGE UTILITY PLANS FOR LOCATIONS OF STORM REMOVAL.
 2. PROP. TOP OF WATERMAIN DEPTH IS 5.5' (TYP.) FROM FINISHED GRADE.
 3. PROPOSED WATER MAIN MUST MAINTAIN A 18" VERTICAL SEPARATION BETWEEN WATER MAIN AND SANITARY/STORM SEWER.
 4. WATER SERVICE LINES HAVE A DEPTH OF AT LEAST 5.5' (TYP) FROM FINISHED GRADE.
 5. THE EXACT LOCATIONS OF THE WATER SOURCE SHALL BE VERIFIED IN THE FIELD.



| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 657.67 | 657.97 | 657.73 | 657.78 | 657.66 | 657.64 | 657.98 | 657.97 | 659.00 | 658.78 | 659.59 | 659.63 | 659.95 | 660.15 | 659.76 | 660.01 | 659.63 | 659.65 | 659.27 | 659.11 | 658.60 | 658.58 | 658.26 | 658.39 | 658.08 | 658.25 |
| 15+00 | 15+50 | 16+00 | 16+50 | 17+00 | 17+50 | 18+00 | 18+50 | 19+00 | 19+50 | 20+00 | 20+50 | 21+00 | | | | | | | | | | | | | |



| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40.0001' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISED - |

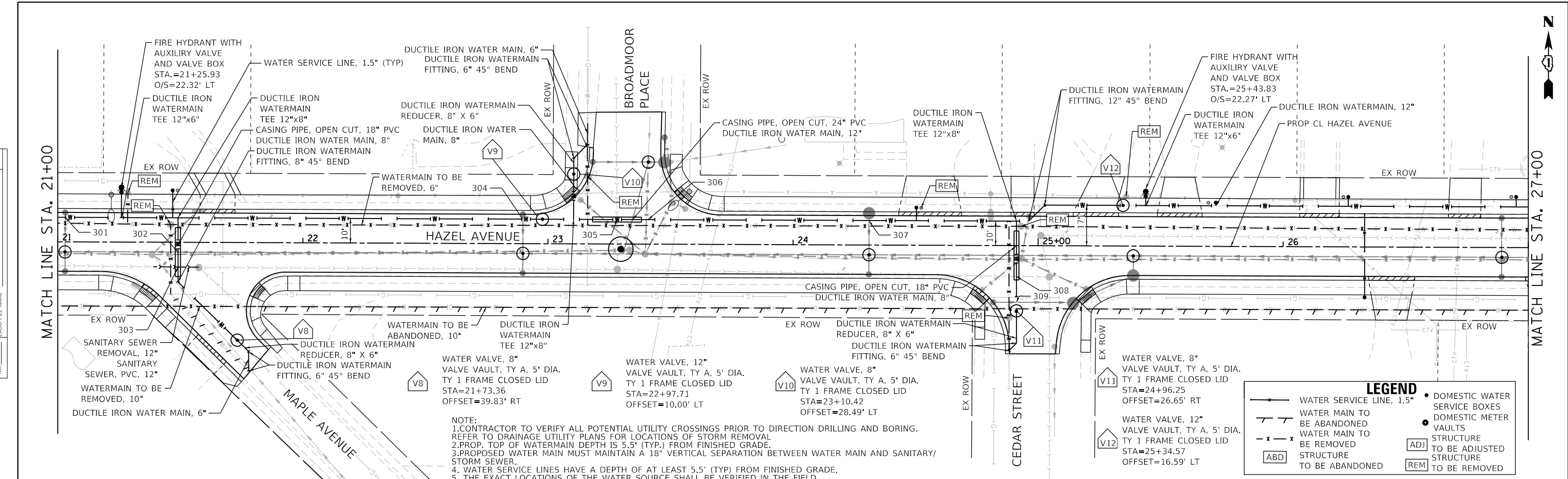
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

| | | |
|--|----------------------|--------------------------------|
| HAZEL AVENUE IMPROVEMENTS WATERMAIN PLAN AND PROFILE | | |
| SCALE: 1"=20' | SHEET 2 OF 10 SHEETS | STA. 15+00.00 TO STA. 21+00.00 |

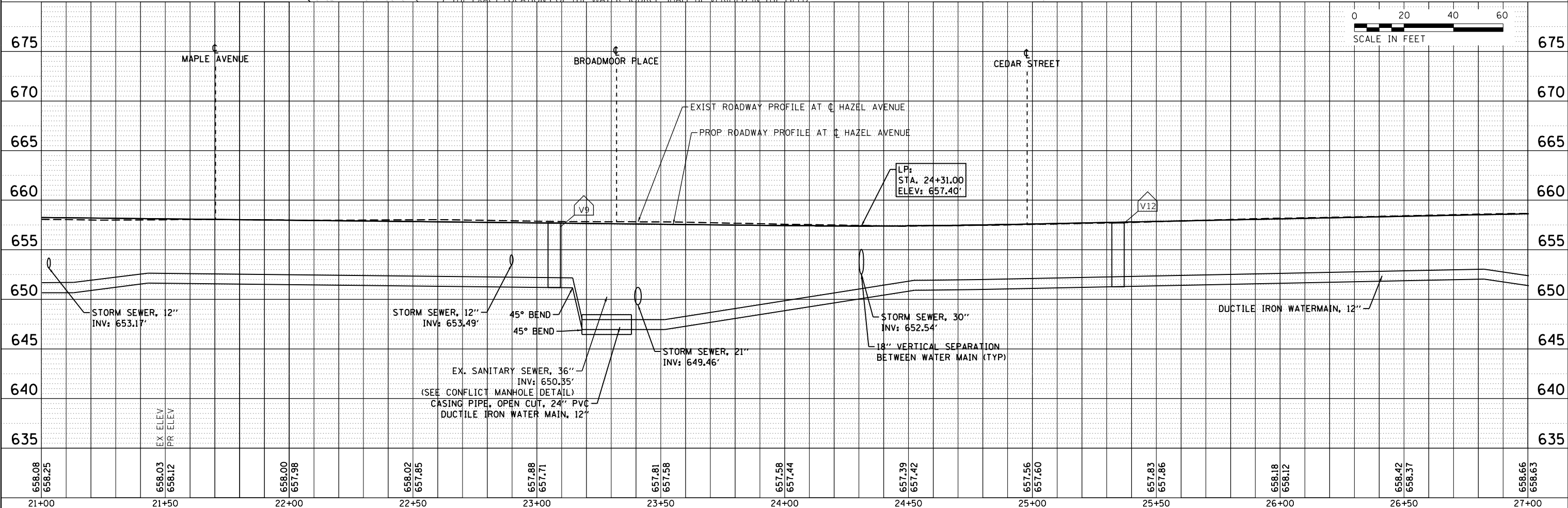
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|---------------------------|------------------------|-------------|------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 105 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| | | |
|------|-------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNMENT CHECKED | |
| | NOTE BOOK | |
| | NO. | |
| | CADD FILE NAME | |

| | | |
|---------|--------------------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | NOTE BOOK | |
| | NO. | |
| | STRUCTURE NOTATION | |



NOTE:
 1. CONTRACTOR TO VERIFY ALL POTENTIAL UTILITY CROSSINGS PRIOR TO DIRECTION DRILLING AND BORING.
 2. REFER TO DRAINAGE UTILITY PLANS FOR LOCATIONS OF STORM REMOVAL.
 3. PROP. TOP OF WATERMAIN DEPTH IS 5.5' (TYP.) FROM FINISHED GRADE.
 4. PROPOSED WATER MAIN MUST MAINTAIN A 18" VERTICAL SEPARATION BETWEEN WATER MAIN AND SANITARY/STORM SEWER.
 5. WATER SERVICE LINES HAVE A DEPTH OF AT LEAST 5.5' (TYP.) FROM FINISHED GRADE.
 6. THE EXACT LOCATIONS OF THE WATER SOURCE SHALL BE VERIFIED IN THE FIELD.



| | | | | | | | | | | | | |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 658.08 658.25 | 658.03 658.12 | 658.00 657.98 | 658.02 657.85 | 657.88 657.71 | 657.81 657.58 | 657.58 657.44 | 657.39 657.42 | 657.56 657.60 | 657.83 657.86 | 658.18 658.12 | 658.42 658.37 | 658.66 658.63 |
| 21+00 | 21+50 | 22+00 | 22+50 | 23+00 | 23+50 | 24+00 | 24+50 | 25+00 | 25+50 | 26+00 | 26+50 | 27+00 |



| | | |
|-------------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40,000' 1" / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISED - |

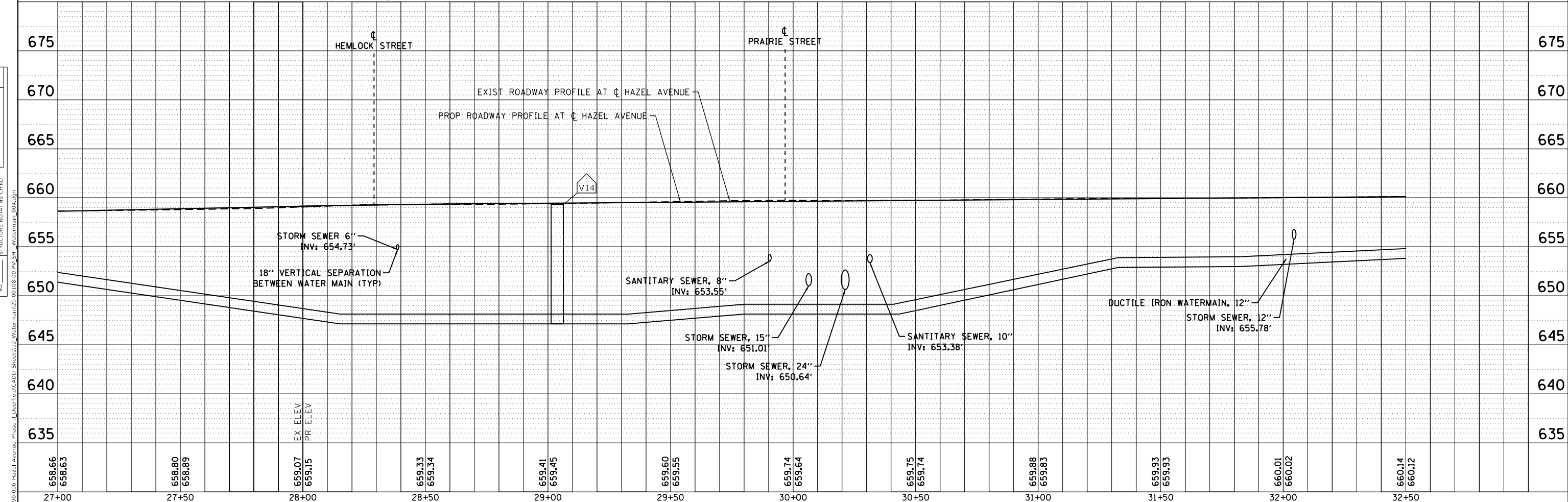
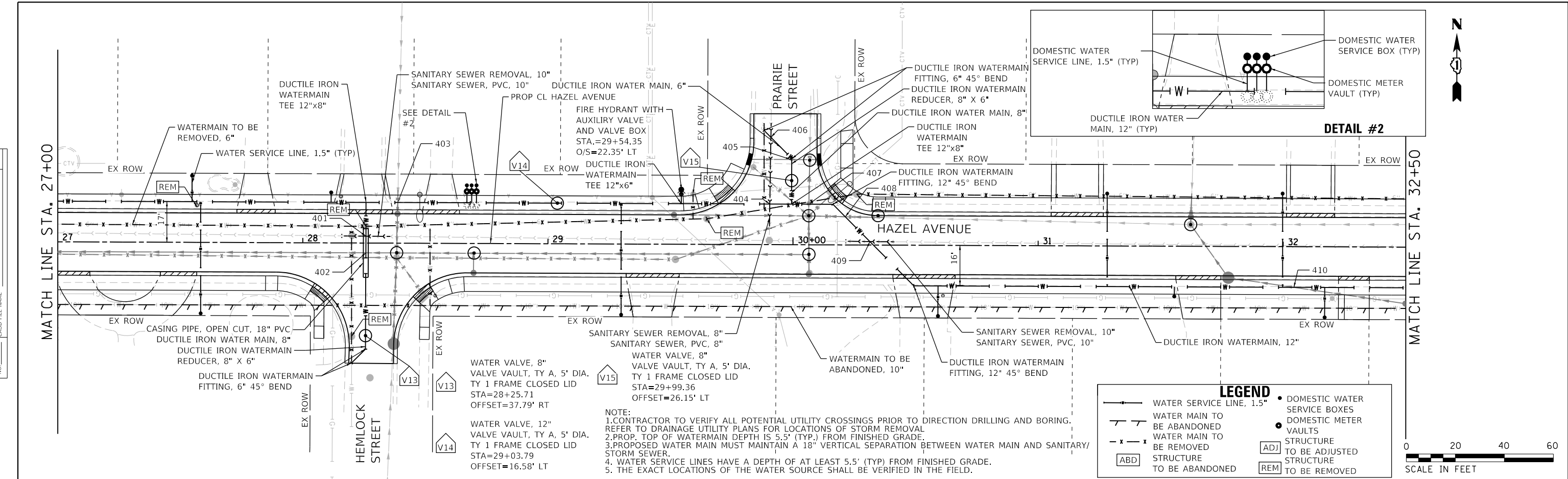
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

| | | | |
|---|---------|--------------|--------------------------------|
| HAZEL AVENUE IMPROVEMENTS WATERMAIN PLAN AND PROFILE | | | |
| SCALE: 1"=20' | SHEET 3 | OF 10 SHEETS | STA. 21+00.00 TO STA. 27+00.00 |

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 106 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| | | |
|------|-----------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNED | |
| | CHECKED | |
| | NO. _____ | |
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| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES | |
| | CHECKED | |
| | NO. _____ | |
| | FILE NAME | |



| | | |
|----------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40,000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
WATERMAIN PLAN AND PROFILE**

SCALE: 1"=20' SHEET 4 OF 10 SHEETS STA. 27+00.00 TO STA. 32+50.00

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 107 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

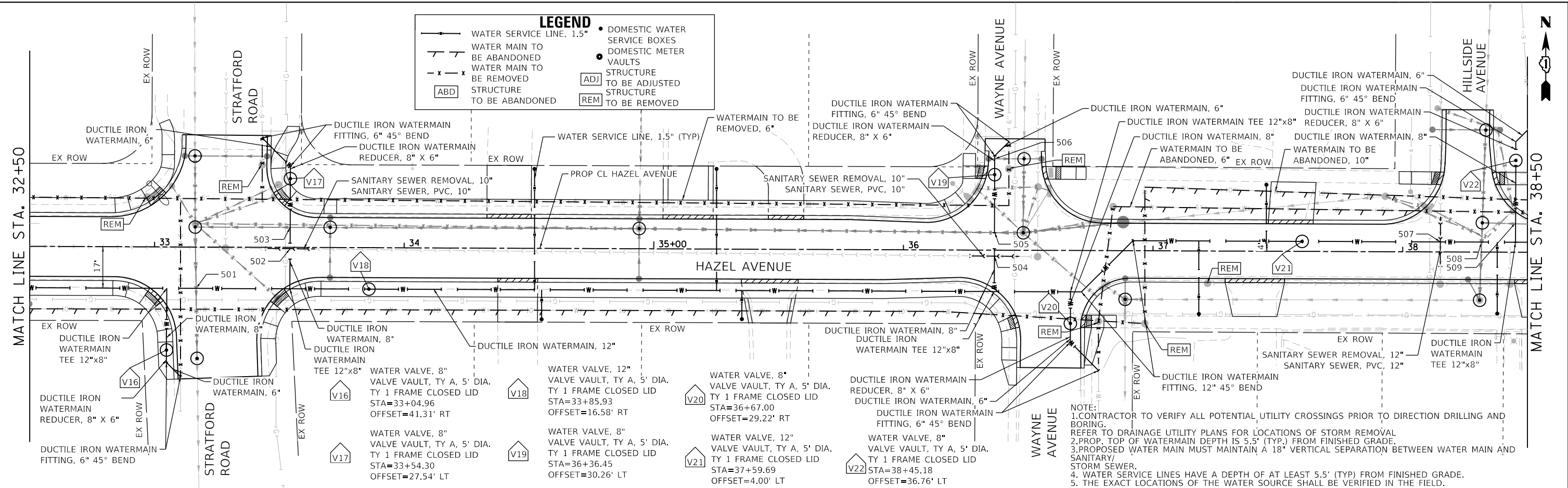
| | | |
|------|-------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNMENT CHECKED | |
| | NOTE BOOK | |
| | NO. | |
| | CADD FILE NAME | |

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| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | NOTE BOOK | |
| | NO. | |
| | STRUCTURE NOTATIONS CHWID | |

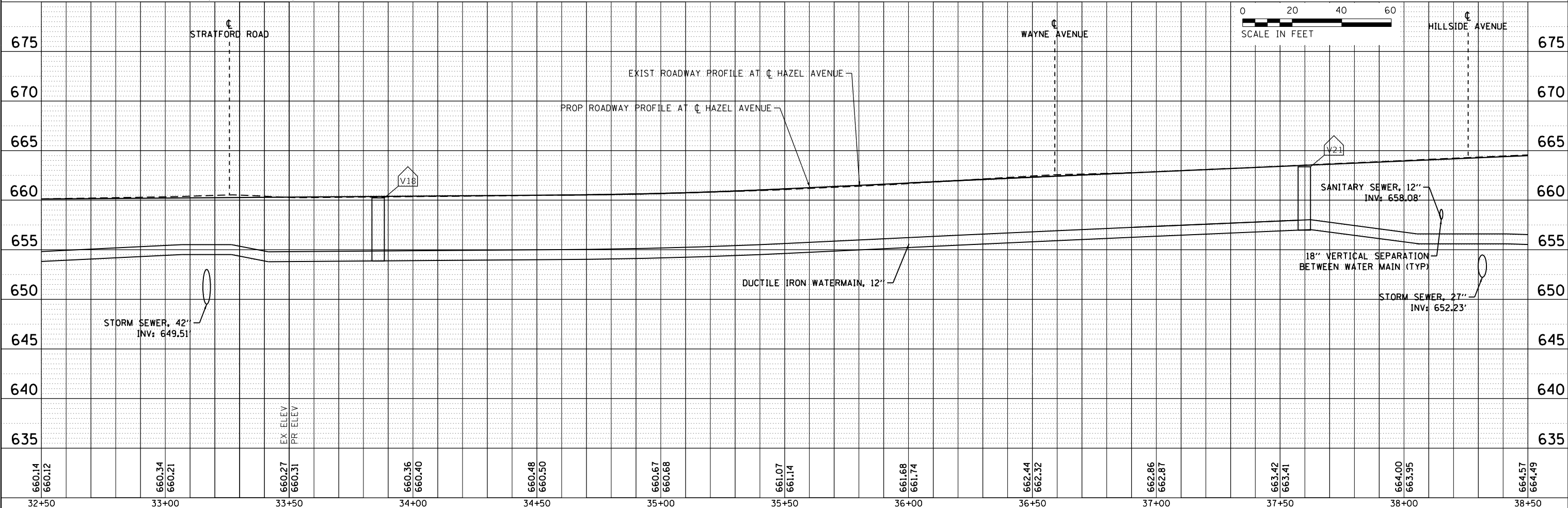
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 FILE NAME: F:\09-2016 - Hazel Avenue Phase II_District\cadd\Sheets\2 - Watermain\20-00108-00-PV_SHT_Watermain_005.dgn

LEGEND

- WATER SERVICE LINE, 1.5"
- WATER MAIN TO BE ABANDONED
- x-x- WATER MAIN TO BE REMOVED
- ABD STRUCTURE TO BE ABANDONED
- DOMESTIC WATER SERVICE BOXES
- DOMESTIC METER
- VAULTS
- ADJ STRUCTURE TO BE ADJUSTED
- REM STRUCTURE TO BE REMOVED



- NOTE:**
- CONTRACTOR TO VERIFY ALL POTENTIAL UTILITY CROSSINGS PRIOR TO DIRECTION DRILLING AND BORING.
 - PROP. TOP OF WATERMAIN DEPTH IS 5.5' (TYP.) FROM FINISHED GRADE.
 - PROPOSED WATER MAIN MUST MAINTAIN A 18" VERTICAL SEPARATION BETWEEN WATER MAIN AND SANITARY STORM SEWER.
 - WATER SERVICE LINES HAVE A DEPTH OF AT LEAST 5.5' (TYP) FROM FINISHED GRADE.
 - THE EXACT LOCATIONS OF THE WATER SOURCE SHALL BE VERIFIED IN THE FIELD.



| | | | | | | | | | | | | |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 660.14 660.12 | 660.34 660.21 | 660.27 660.31 | 660.36 660.40 | 660.48 660.50 | 660.67 660.68 | 661.07 661.14 | 661.68 661.74 | 662.44 662.32 | 662.86 662.87 | 663.42 663.41 | 664.00 663.95 | 664.57 664.49 |
| 32+50 | 33+00 | 33+50 | 34+00 | 34+50 | 35+00 | 35+50 | 36+00 | 36+50 | 37+00 | 37+50 | 38+00 | 38+50 |

BLA, Inc.

| | | |
|-------------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40,000' 1" / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
 WATERMAIN PLAN AND PROFILE**

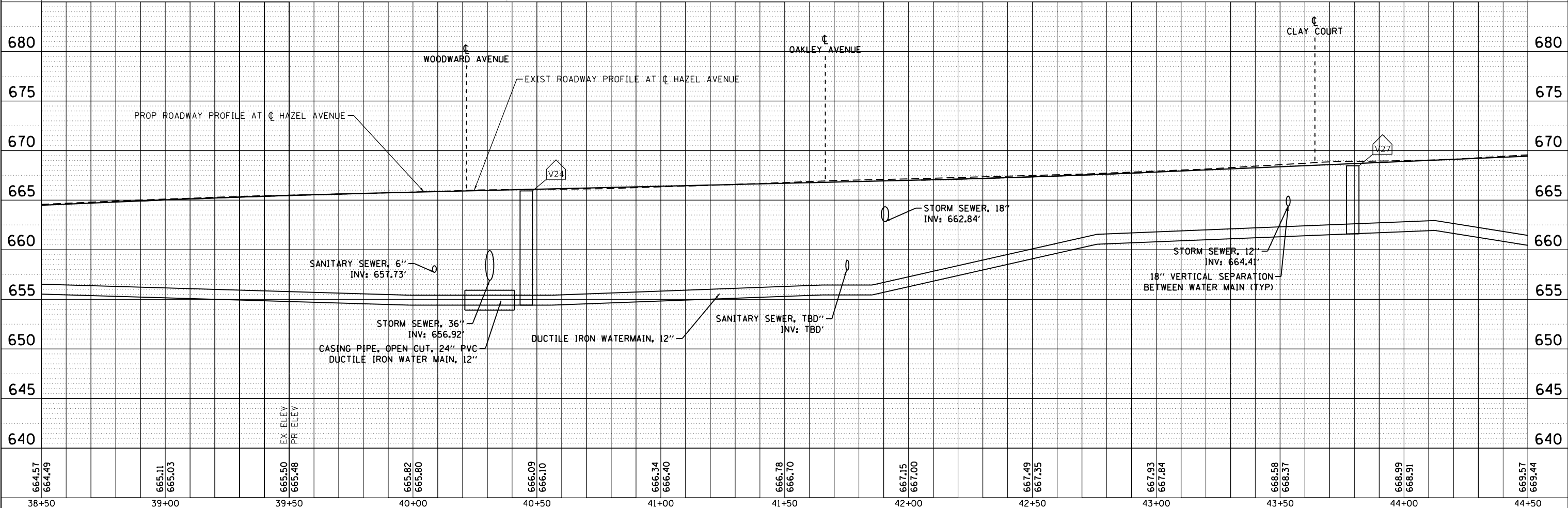
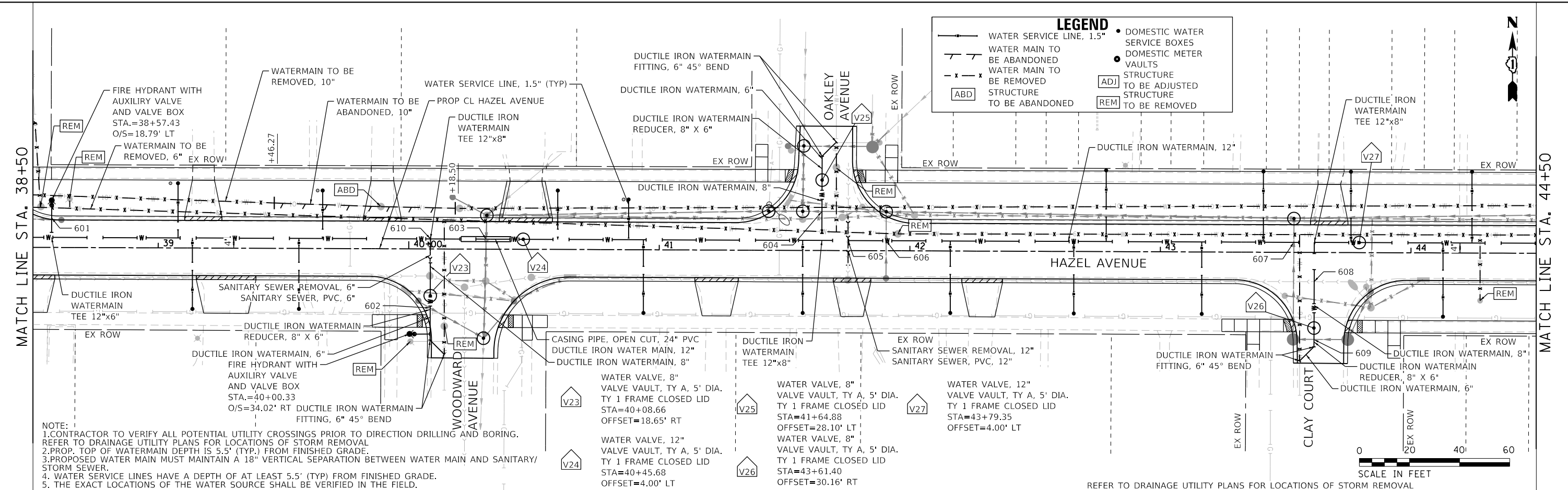
SCALE: 1"=20' SHEET 5 OF 10 SHEETS STA. 32+50.00 TO STA. 38+50.00

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 108 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNED | |
| | CHECKED | |
| | FILE NAME | |
| | NO. | |

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| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES | |
| | CHECKED | |
| | STRUCTURE | |
| | NOTATIONS | |
| | NO. | |

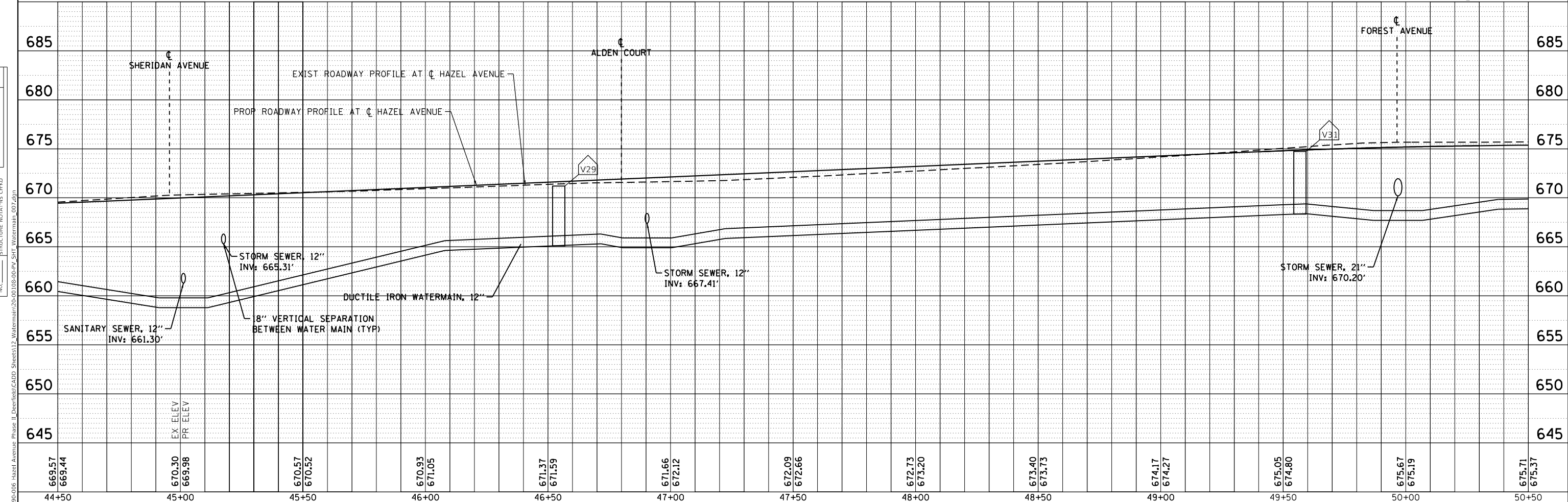
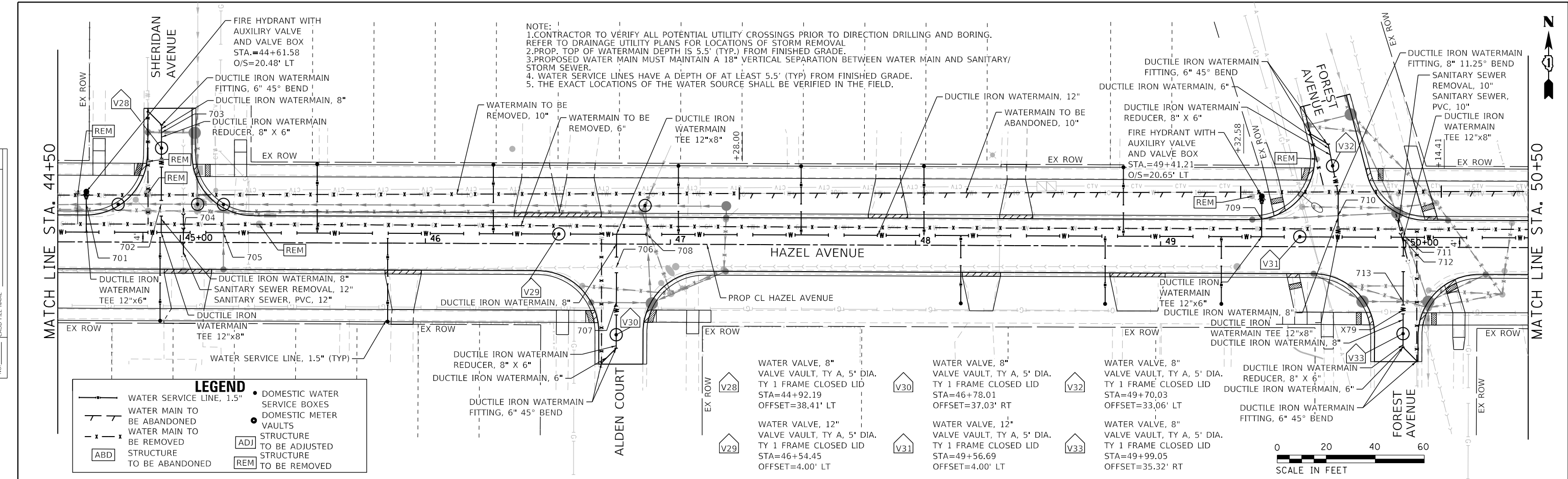
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 FILE NAME: F:\090-006-Hazel Avenue Phase II_Direct\cadd\Sheets\12-Watermain\20-00108-00-PV-SHT-Watermain_006.dgn



| | | | | | | | | | | |
|------------------|----------------------------|-------------------|-----------|---|---|--------------------|--------------------------|--------------------------------|---------------------------|-----------------|
| BLA, Inc. | USER NAME = gellwanger | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | HAZEL AVENUE IMPROVEMENTS WATERMAIN PLAN AND PROFILE | F.A.U. RTE. = 1263 | SECTION = 20-00108-00-PV | COUNTY = LAKE | TOTAL SHEETS = 221 | SHEET NO. = 109 |
| | PLOT SCALE = 40,000' / in. | CHECKED - | REVISED - | | | SCALE: 1"=20' | SHEET 6 OF 10 SHEETS | STA. 38+50.00 TO STA. 44+50.00 | ILLINOIS FED. AID PROJECT | |
| | PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISED - | | | | | | | |

| | | |
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| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNMENT CHECKED | |
| | NOTE BOOK | |
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| | CADD FILE NAME | |
| | NO. | |

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| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | NOTE BOOK | |
| | NO. | |
| | CADD FILE NAME | |
| | NO. | |



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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 669.57 | 669.44 | 670.30 | 669.98 | 670.57 | 670.52 | 670.93 | 671.05 | 671.37 | 671.59 | 671.66 | 672.12 | 672.09 | 672.66 | 672.73 | 673.20 | 673.40 | 673.75 | 674.17 | 674.27 | 675.05 | 674.80 | 675.67 | 675.19 | 675.71 | 675.37 |
| 44+50 | | 45+00 | | 45+50 | | 46+00 | | 46+50 | | 47+00 | | 47+50 | | 48+00 | | 48+50 | | 49+00 | | 49+50 | | 50+00 | | 50+50 | |



| | | |
|------------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40,000'1" / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

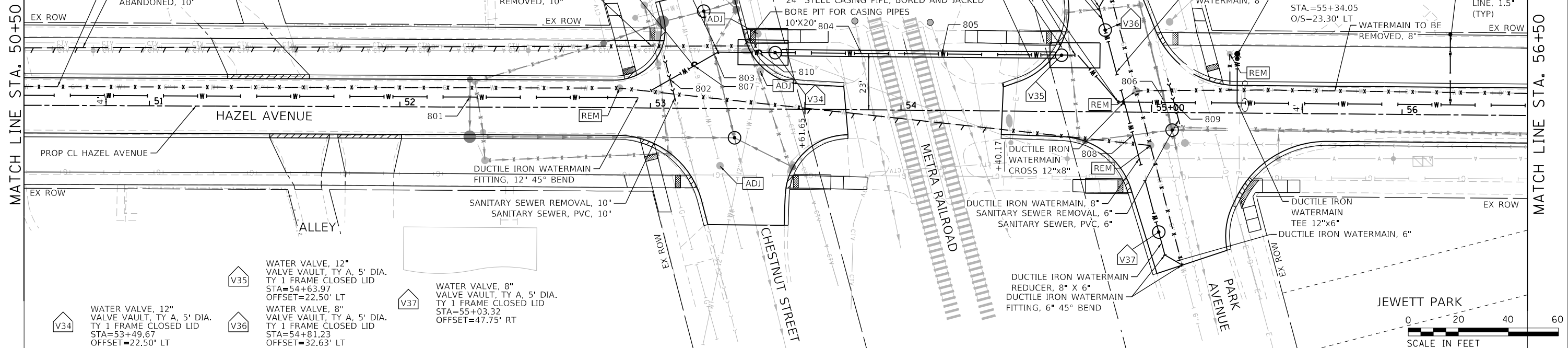
| | | | |
|---|----------------------|--------------------------------|--|
| HAZEL AVENUE IMPROVEMENTS WATERMAIN PLAN AND PROFILE | | | |
| SCALE: 1"=20' | SHEET 7 OF 10 SHEETS | STA. 44+50.00 TO STA. 50+50.00 | |

| | | | | |
|--------------------|------------------------|-------------|------------------|---------------------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 110 |
| CONTRACT NO. 61K74 | | | | ILLINOIS FED. AID PROJECT |

NOTE:
 1. CONTRACTOR TO VERIFY ALL POTENTIAL UTILITY CROSSINGS PRIOR TO DIRECTION DRILLING AND BORING.
 2. REFER TO DRAINAGE UTILITY PLANS FOR LOCATIONS OF STORM REMOVAL
 3. PROP. TOP OF WATERMAIN DEPTH IS 5.5' (TYP.) FROM FINISHED GRADE.
 4. WATER SERVICE LINES HAVE A DEPTH OF AT LEAST 5.5' (TYP) FROM FINISHED GRADE.
 5. THE EXACT LOCATIONS OF THE WATER SOURCE SHALL BE VERIFIED IN THE FIELD.

LEGEND

- WATER SERVICE LINE, 1.5"
- - - WATER MAIN TO BE ABANDONED
- x - x WATER MAIN TO BE REMOVED
- [ABD] STRUCTURE TO BE ABANDONED
- [ADJ] STRUCTURE TO BE ADJUSTED
- [REM] STRUCTURE TO BE REMOVED
- DOMESTIC WATER SERVICE BOXES
- DOMESTIC METER VAULTS
- STRUCTURE TO BE ADJUSTED
- STRUCTURE TO BE REMOVED

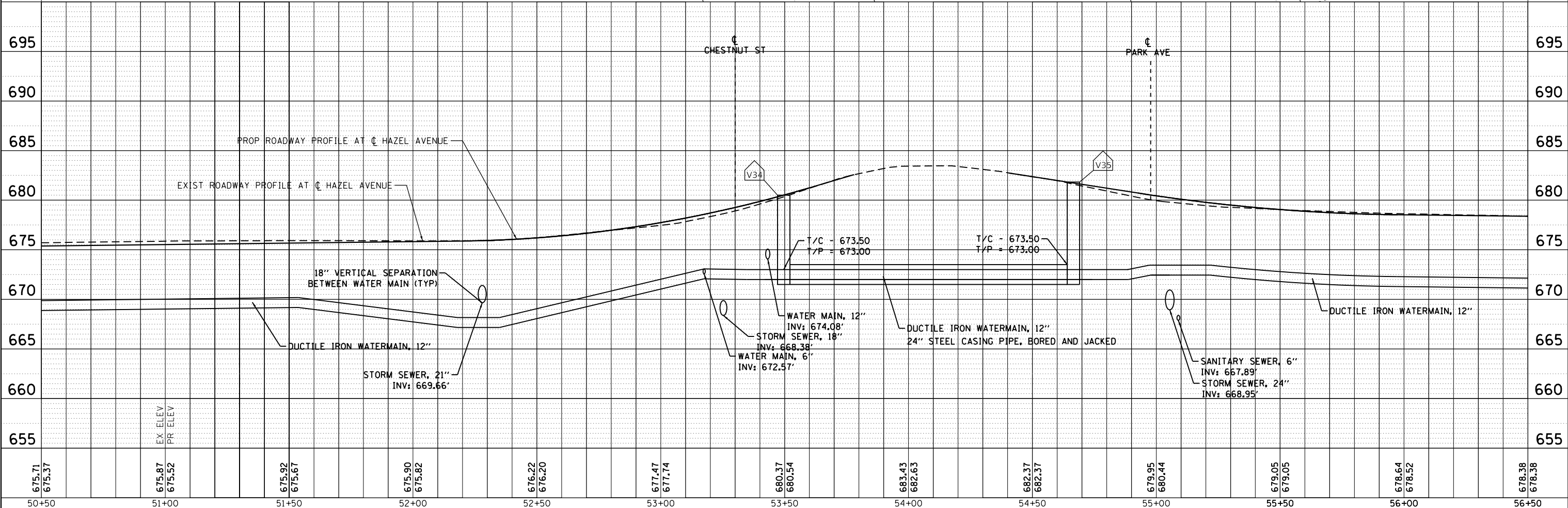


V34 WATER VALVE, 12" VALVE VAULT, TY A, 5' DIA. STA=53+49.67 OFFSET=22.50' LT

V35 WATER VALVE, 12" VALVE VAULT, TY A, 5' DIA. STA=54+63.97 OFFSET=22.50' LT

V36 WATER VALVE, 8" VALVE VAULT, TY A, 5' DIA. STA=54+81.23 OFFSET=32.63' LT

V37 WATER VALVE, 8" VALVE VAULT, TY A, 5' DIA. STA=55+03.32 OFFSET=47.75' RT



| | | |
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| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNED | |
| | CHECKED | |
| | FILED | |
| | NO. | |

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| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES | |
| | CHECKED | |
| | NOTATION | |
| | NO. | |

MODEL: Default
 FILE NAME: F:\090-006-Hazel Avenue Phase II_Direct\CD\ Sheets\12-Watermain\20-00108-00-PV_SHT_Watermain_008.dgn

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 675.71 | 675.37 | 675.87 | 675.52 | 675.92 | 675.67 | 675.90 | 675.82 | 676.22 | 676.20 | 677.47 | 677.74 | 680.37 | 680.54 | 683.43 | 682.63 | 682.37 | 682.37 | 679.95 | 680.44 | 679.05 | 679.05 | 678.64 | 678.52 | 678.38 | 678.36 |
| 50+50 | 51+00 | 51+50 | 52+00 | 52+50 | 53+00 | 53+50 | 54+00 | 54+50 | 55+00 | 55+50 | 56+00 | 56+50 | | | | | | | | | | | | | |



| | | |
|----------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40,000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

| | | | |
|---|----------------------|--------------------------------|--|
| HAZEL AVENUE IMPROVEMENTS WATERMAIN PLAN AND PROFILE | | | |
| SCALE: 1"=20' | SHEET 8 OF 10 SHEETS | STA. 50+50.00 TO STA. 56+50.00 | |

| | | | | |
|--------------------|------------------------|-------------|---------------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 111 |
| CONTRACT NO. 61K74 | | | ILLINOIS FED. AID PROJECT | |

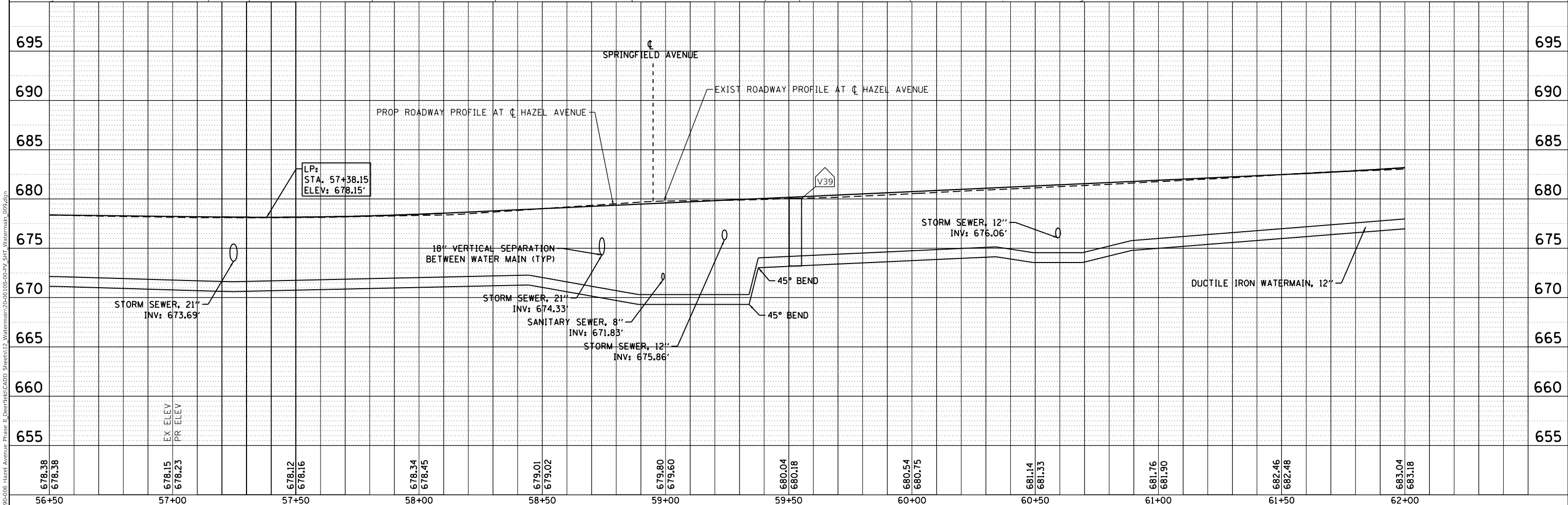
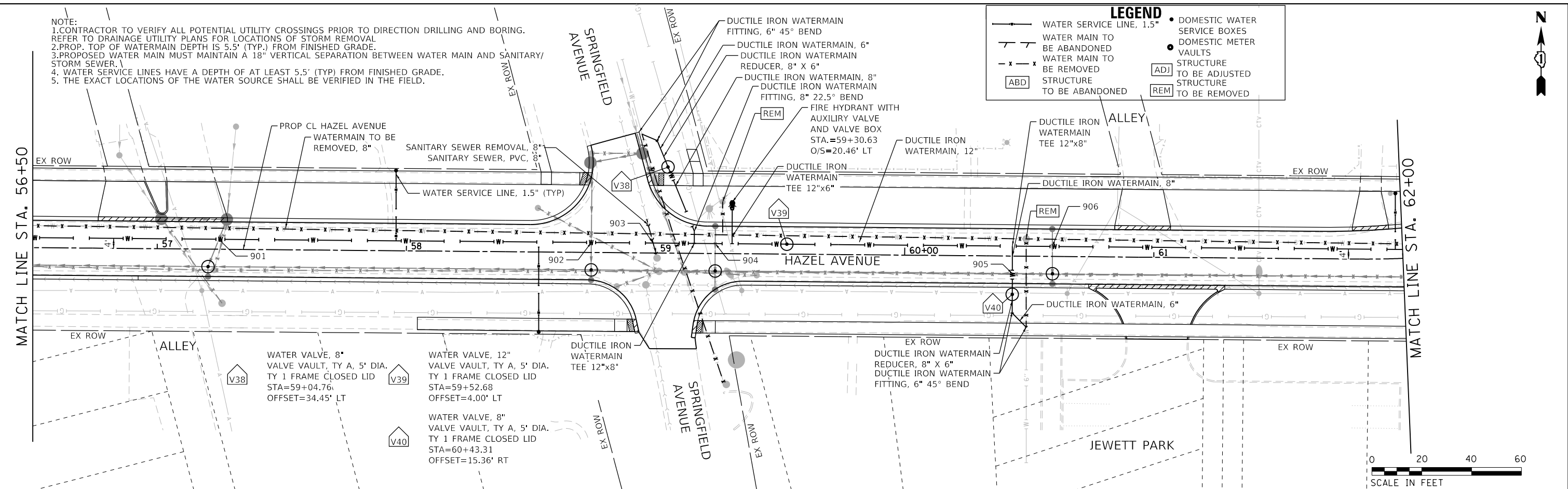
NOTE:
 1. CONTRACTOR TO VERIFY ALL POTENTIAL UTILITY CROSSINGS PRIOR TO DIRECTION DRILLING AND BORING.
 2. REFER TO DRAINAGE UTILITY PLANS FOR LOCATIONS OF STORM REMOVAL
 3. PROP. TOP OF WATERMAIN DEPTH IS 5.5' (TYP.) FROM FINISHED GRADE.
 4. PROPOSED WATER MAIN MUST MAINTAIN A 18" VERTICAL SEPARATION BETWEEN WATER MAIN AND SANITARY/ STORM SEWER.
 5. THE EXACT LOCATIONS OF THE WATER SOURCE SHALL BE VERIFIED IN THE FIELD.

LEGEND

- WATER SERVICE LINE, 1.5"
- - - WATER MAIN TO BE ABANDONED
- x - x WATER MAIN TO BE REMOVED
- [ABD] STRUCTURE TO BE ABANDONED
- DOMESTIC WATER SERVICE BOXES
- DOMESTIC METER VAULTS
- [ADJ] STRUCTURE TO BE ADJUSTED
- [REM] STRUCTURE TO BE REMOVED

| | | |
|------|-------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNMENT CHECKED | |
| | NOTE BOOK NO. | |
| | CADD FILE NAME | |

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|---------|-----------------------------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | NOTE BOOK NO. | |
| | STRUCTURE NOTATIONS CHECKED | |



| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40.0001' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
 WATERMAIN PLAN AND PROFILE

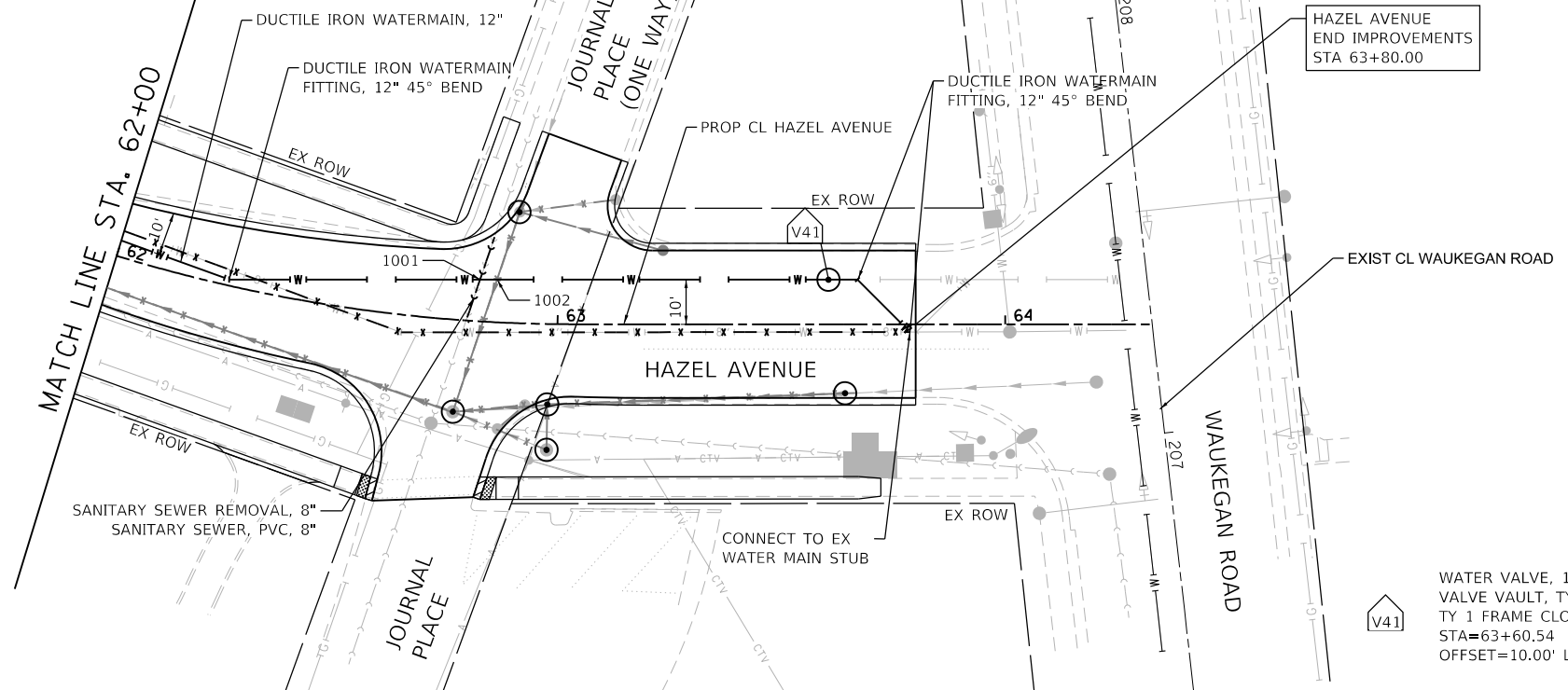
SCALE: 1"=20' SHEET 9 OF 10 SHEETS STA. 56+50.00 TO STA. 62+00.00

| | | | | |
|---------------------------|------------------------|-------------|------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 112 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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|------|-------------------|
| DATE | |
| BY | |
| PLAN | SURVEYED |
| | PLOTTED |
| | ALIGNMENT CHECKED |
| | NOTE BOOK NO. |
| | CADD FILE NAME |

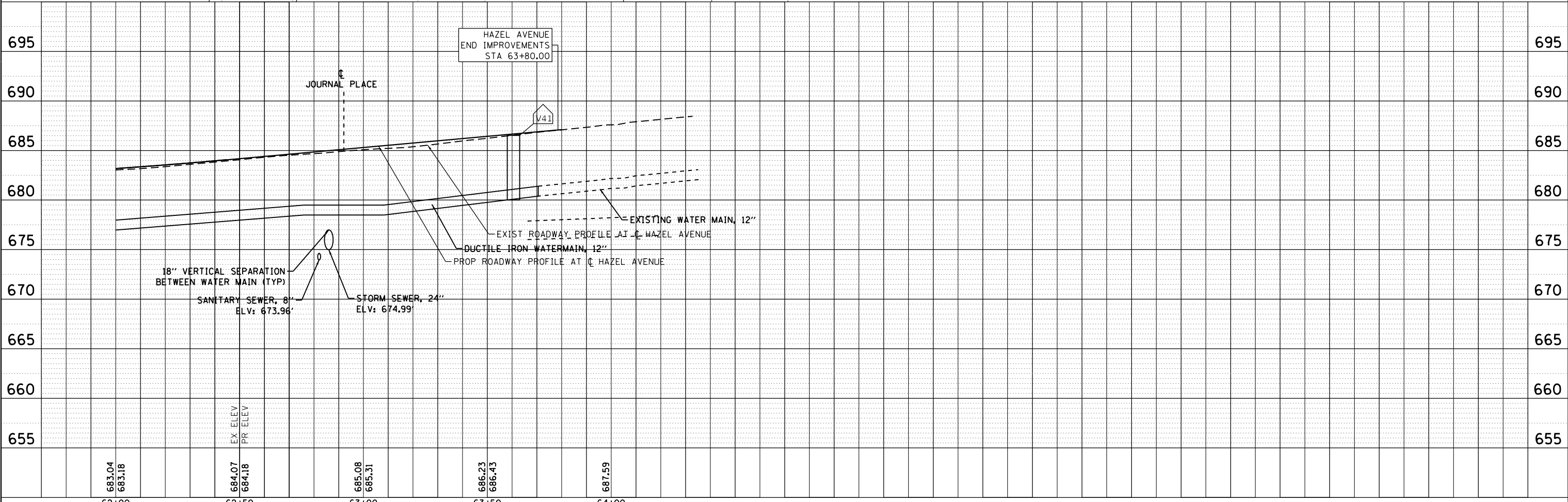
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|---------|-----------------------------|
| DATE | |
| BY | |
| PROFILE | SURVEYED |
| | PLOTTED |
| | GRADES CHECKED |
| | NOTE BOOK NO. |
| | STRUCTURE NOTATIONS CHECKED |

MODEL: Default
FILE NAME: F:\090-006 - Hazel Avenue - Phase II_District\cadd\Sheets\12 - Watermain\20-00108-00-PV_S11_Watermain_010.dgn



| LEGEND | |
|--------|------------------------------|
| | WATER SERVICE LINE, 1.5" |
| | WATER MAIN TO BE ABANDONED |
| | WATER MAIN TO BE REMOVED |
| | STRUCTURE TO BE ABANDONED |
| | DOMESTIC WATER SERVICE BOXES |
| | DOMESTIC METER VAULTS |
| | STRUCTURE TO BE ADJUSTED |
| | STRUCTURE TO BE REMOVED |

- NOTE:
1. CONTRACTOR TO VERIFY ALL POTENTIAL UTILITY CROSSINGS PRIOR TO DIRECTION DRILLING AND REFER TO DRAINAGE UTILITY PLANS FOR LOCATIONS OF STORM REMOVAL
2. PROP. TOP OF WATERMAIN DEPTH IS 5.5' (TYP.) FROM FINISHED GRADE.
3. PROPOSED WATER MAIN MUST MAINTAIN A 18" VERTICAL SEPARATION BETWEEN WATER MAIN A STORM SEWER.
4. WATER SERVICE LINES HAVE A DEPTH OF AT LEAST 5.5' (TYP) FROM FINISHED GRADE.
5. THE EXACT LOCATIONS OF THE WATER SOURCE SHALL BE VERIFIED IN THE FIELD.



| | | | | | | | | | |
|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|--------|
| 62+00 | 683.04 683.18 | 62+50 | 684.07 684.18 | 63+00 | 685.08 685.31 | 63+50 | 686.23 686.43 | 64+00 | 687.59 |
| | EX ELEV | | PR ELEV | | | | | | |



| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40,0001' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | |
|--------------------------------|-----------------------|
| HAZEL AVENUE IMPROVEMENTS | |
| WATERMAIN PLAN AND PROFILE | |
| SCALE: 1"=20' | SHEET 10 OF 10 SHEETS |
| STA. 62+00.00 TO STA. 64+32.86 | |

| | | | | |
|-------------|----------------|----------|------------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 113 |
| | | | | CONTRACT NO. 61K74 |
| | | ILLINOIS | FED. AID PROJECT | |

| WATERMAIN UTILITY CONFLICT LIST | | | | |
|---------------------------------|----------------------|--------------------------|--------------------------|----------------------|
| CONFLICT | TOP OF PR WATER MAIN | BOTTOM OF PR STORM SEWER | BOTTOM OF SANITARY SEWER | TOP OF EX WATER MAIN |
| 101 | 651.37 | 654.31 | - | - |
| 102 | 649.91 | 653.58 | - | - |
| 103 | 649.91 | - | - | 652.08 |
| 104 | 651.81 | 653.31 | - | - |
| 105 | 651.64 | 653.14 | - | - |
| 106 | 649.79 | - | - | 651.96 |

| WATERMAIN UTILITY CONFLICT LIST | | | | |
|---------------------------------|----------------------|--------------------------|--------------------------|----------------------|
| CONFLICT | TOP OF PR WATER MAIN | BOTTOM OF PR STORM SEWER | BOTTOM OF SANITARY SEWER | TOP OF EX WATER MAIN |
| 201 | 650.39 | 654.40 | - | - |
| 202 | 650.17 | 651.67 | - | - |
| 203 | 650.17 | - | - | 652.15 |
| 204 | 649.91 | 651.41 | - | - |
| 205 | 651.53 | 651.57 | - | - |
| 206 | 652.66 | - | 654.16 | - |
| 207 | 649.00 | 650.92 | - | - |
| 208 | 649.00 | 650.50 | - | - |
| 209 | 649.00 | 653.03 | - | - |
| 210 | 651.54 | 650.62 | - | - |
| 211 | 642.21 | 648.37 | - | - |
| 212 | 644.02 | 655.83 | - | - |
| 213 | 645.44 | 655.77 | - | - |

| WATERMAIN UTILITY CONFLICT LIST | | | | |
|---------------------------------|----------------------|--------------------------|--------------------------|----------------------|
| CONFLICT | TOP OF PR WATER MAIN | BOTTOM OF PR STORM SEWER | BOTTOM OF SANITARY SEWER | TOP OF EX WATER MAIN |
| 301 | 651.70 | 653.17 | - | - |
| 302 | 647.28 | 648.78 | - | - |
| 303 | 647.28 | - | 651.23 | - |
| 304 | 652.24 | 653.49 | - | - |
| 305 | 647.96 | - | 650.11 | - |
| 306 | 647.96 | 649.46 | - | - |
| 307 | 651.04 | 652.54 | - | - |
| 308 | 652.12 | - | 649.06 | - |
| 309 | 651.20 | 652.75 | - | - |

| WATERMAIN UTILITY CONFLICT LIST | | | | |
|---------------------------------|----------------------|--------------------------|--------------------------|----------------------|
| CONFLICT | TOP OF PR WATER MAIN | BOTTOM OF PR STORM SEWER | BOTTOM OF SANITARY SEWER | TOP OF EX WATER MAIN |
| 401 | 648.14 | - | 652.80 | - |
| 402 | 648.14 | 649.97 | - | - |
| 403 | 648.14 | 654.73 | - | - |
| 404 | 649.14 | - | 653.55 | - |
| 405 | 649.14 | 655.05 | - | - |
| 406 | 649.14 | - | 653.50 | - |
| 407 | 649.14 | 651.01 | - | - |
| 408 | 649.14 | 650.64 | - | - |
| 409 | 649.14 | - | 653.38 | - |
| 410 | 654.26 | 655.78 | - | - |

| WATERMAIN UTILITY CONFLICT LIST | | | | |
|---------------------------------|----------------------|--------------------------|--------------------------|----------------------|
| CONFLICT | TOP OF PR WATER MAIN | BOTTOM OF PR STORM SEWER | BOTTOM OF SANITARY SEWER | TOP OF EX WATER MAIN |
| 501 | 655.51 | 649.51 | - | - |
| 502 | 650.80 | - | 653.94 | - |
| 503 | 650.80 | 652.31 | - | - |
| 504 | 652.14 | - | 654.47 | - |
| 505 | 652.26 | 655.26 | - | - |
| 506 | 656.12 | 657.62 | - | - |
| 507 | 656.60 | - | 658.08 | - |
| 508 | 656.60 | 652.23 | - | - |
| 509 | 656.60 | 659.80 | - | - |

| WATERMAIN UTILITY CONFLICT LIST | | | | |
|---------------------------------|----------------------|--------------------------|--------------------------|----------------------|
| CONFLICT | TOP OF PR WATER MAIN | BOTTOM OF PR STORM SEWER | BOTTOM OF SANITARY SEWER | TOP OF EX WATER MAIN |
| 601 | 656.47 | 659.87 | - | - |
| 602 | 655.42 | 661.61 | - | - |
| 603 | 655.42 | 656.92 | - | - |
| 604 | 656.45 | 660.08 | - | - |
| 605 | 656.45 | - | TBD | - |
| 606 | 656.74 | 662.84 | - | - |
| 607 | 662.34 | 664.41 | - | - |
| 608 | 662.42 | - | 659.63 | - |
| 609 | 662.42 | 664.63 | - | - |
| 610 | 655.42 | - | 657.73 | - |

| WATERMAIN UTILITY CONFLICT LIST | | | | |
|---------------------------------|----------------------|--------------------------|--------------------------|----------------------|
| CONFLICT | TOP OF PR WATER MAIN | BOTTOM OF PR STORM SEWER | BOTTOM OF SANITARY SEWER | TOP OF EX WATER MAIN |
| 701 | 661.01 | 662.75 | - | - |
| 702 | 659.80 | 663.00 | - | - |
| 703 | 659.80 | 665.97 | - | - |
| 704 | 659.80 | - | 661.30 | - |
| 705 | 660.18 | 665.31 | - | - |
| 706 | 665.60 | - | 663.08 | - |
| 707 | 665.60 | 667.63 | - | - |
| 708 | 665.91 | 667.41 | - | - |
| 709 | 668.71 | 670.61 | - | - |
| 710 | 668.88 | 670.71 | - | - |
| 711 | 668.70 | 670.20 | - | - |
| 712 | 668.70 | - | TBD | - |
| 713 | 668.70 | 670.40 | - | - |

| WATERMAIN UTILITY CONFLICT LIST | | | | |
|---------------------------------|----------------------|--------------------------|--------------------------|----------------------|
| CONFLICT | TOP OF PR WATER MAIN | BOTTOM OF PR STORM SEWER | BOTTOM OF SANITARY SEWER | TOP OF EX WATER MAIN |
| 801 | 668.16 | 669.66 | - | - |
| 802 | 671.65 | - | TBD | - |
| 803 | 673.04 | 668.38 | - | - |
| 804 | 673.00 | TBD | - | - |
| 805 | 673.00 | TBD | - | - |
| 806 | 673.45 | 668.95 | - | - |
| 807 | 673.07 | - | - | 673.07 |
| 808 | 673.45 | 675.00 | - | - |
| 809 | 673.45 | - | 667.89 | - |
| 810 | 673.00 | - | - | 675.08 |

| WATERMAIN UTILITY CONFLICT LIST | | | | |
|---------------------------------|----------------------|--------------------------|--------------------------|----------------------|
| CONFLICT | TOP OF PR WATER MAIN | BOTTOM OF PR STORM SEWER | BOTTOM OF SANITARY SEWER | TOP OF EX WATER MAIN |
| 901 | 671.61 | 673.69 | - | - |
| 902 | 670.96 | 674.33 | - | - |
| 903 | 670.30 | - | 671.83 | - |
| 904 | 670.30 | 675.86 | - | - |
| 905 | 674.79 | 672.84 | - | - |
| 906 | 674.56 | 676.06 | - | - |

| WATERMAIN UTILITY CONFLICT LIST | | | | |
|---------------------------------|----------------------|--------------------------|--------------------------|----------------------|
| CONFLICT | TOP OF PR WATER MAIN | BOTTOM OF PR STORM SEWER | BOTTOM OF SANITARY SEWER | TOP OF EX WATER MAIN |
| 1001 | 679.49 | - | 673.96 | - |
| 1002 | 679.49 | 674.99 | - | - |

MODEL: D:\p1\11 - 1263 - Hazel Avenue Phase II - Deerfield CDD - Sheets\12 - Watermain\20-00108-00-PV-SHT - Watermain_011_Conflict Tables.dgn
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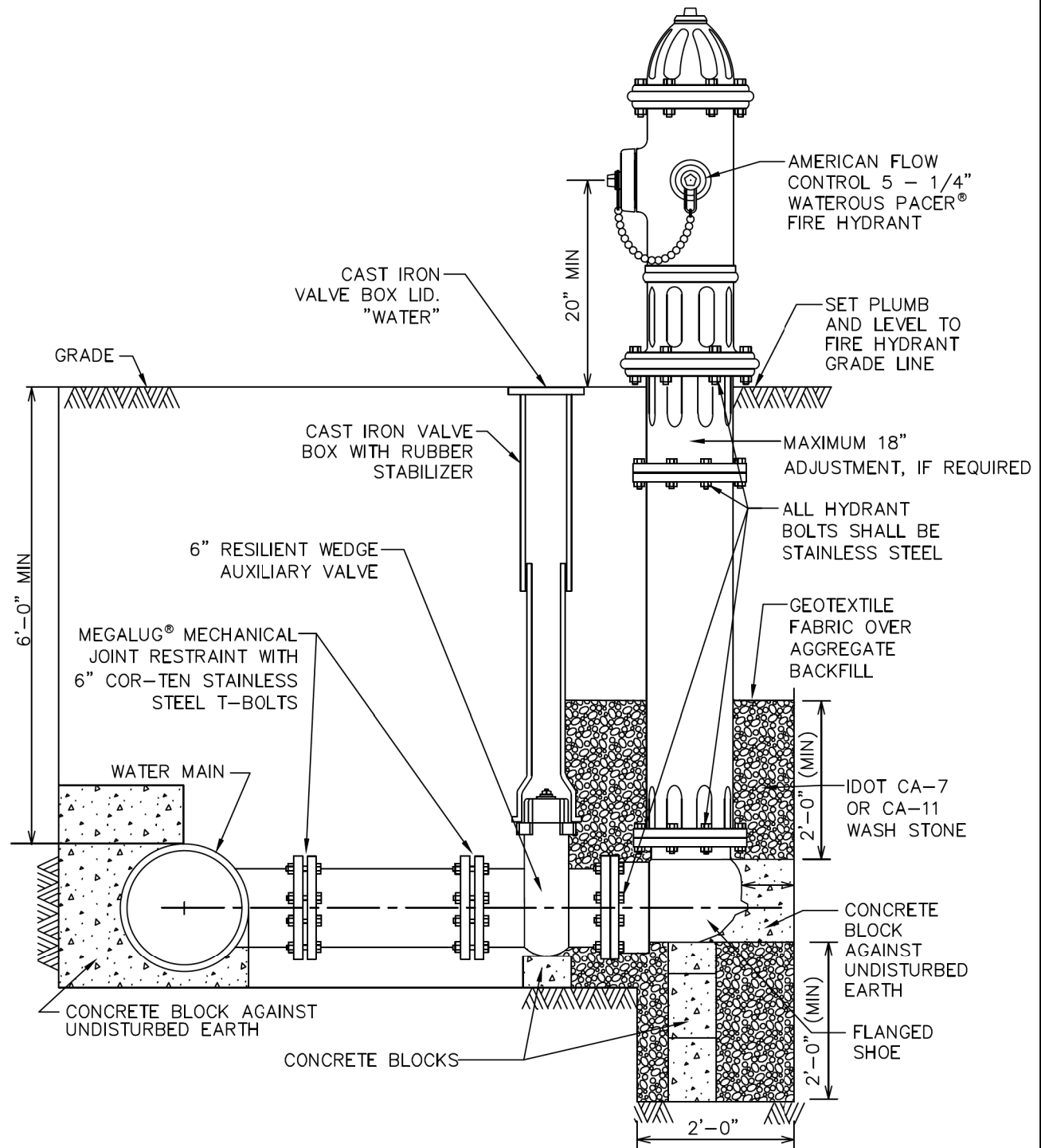
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| PLOT SCALE = 40.0001 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
WATERMAIN UTILITY CONFLICT LIST**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 114 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTES:

1. HYDRANT SHALL HAVE (1) 4-1/2" PUMPER NOZZLE AND (2) 2-1/2" HOSE NOZZLES, PAINTED RED WITH 100% ACRYLIC ENAMEL PAINT.
2. IF REQUIRED, AUXILIARY BOX ADAPTERS OR RISERS ARE NOT PERMITTED, ONLY AUXILIARY BOX EXTENSIONS.

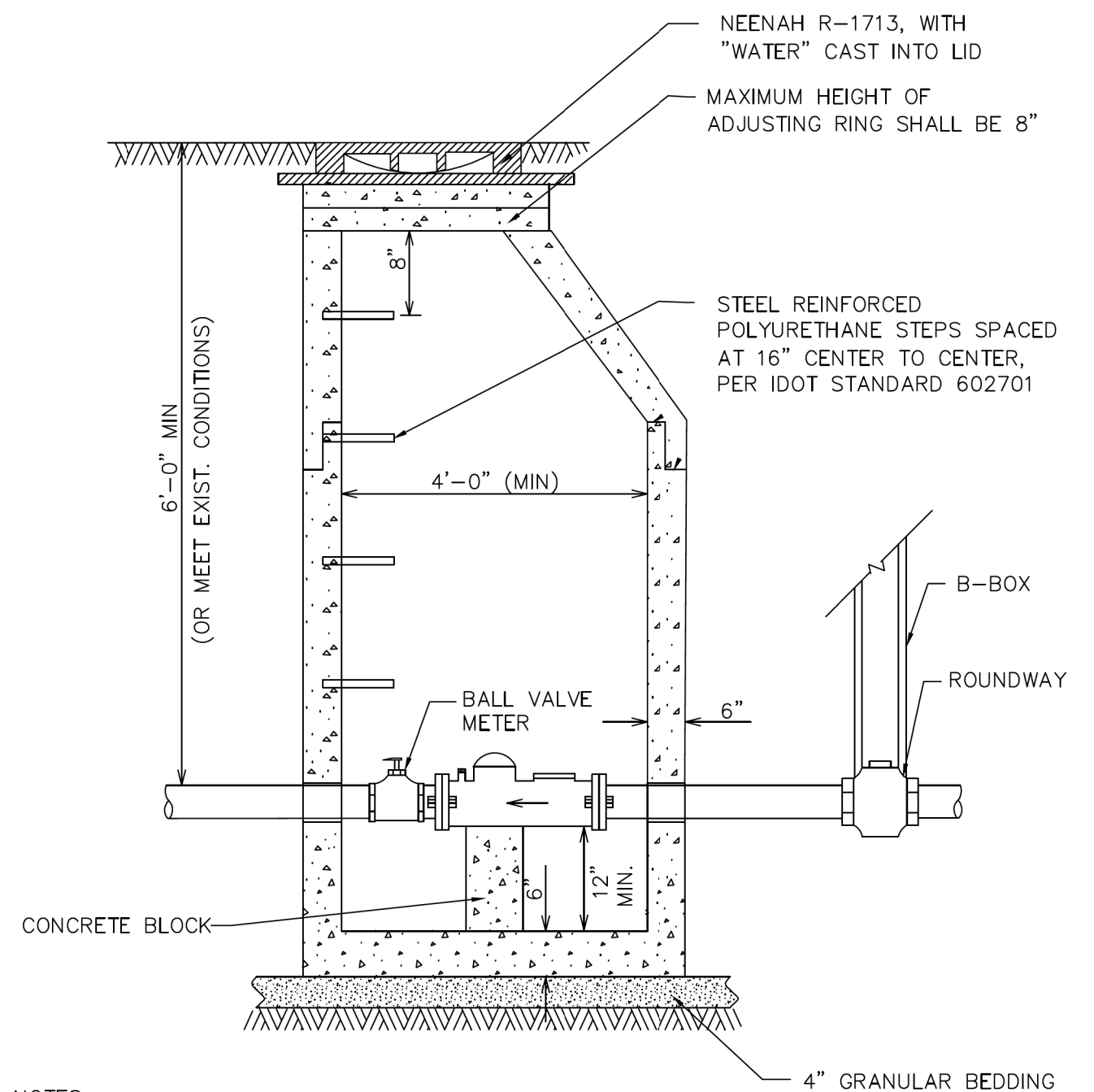
REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

FIRE HYDRANT ASSEMBLY

NOT TO SCALE



NOTES:

1. PRECAST REINFORCED CONCRETE SECTIONS PER ASTM C-478 AND PREFORMED BITUMINOUS JOINTS WITH INTEGRAL PRECAST BOTTOM.
2. PIPE OPENINGS SHALL BE PRECAST INTO WALLS. CAST IN RESILIENT WATERTIGHT SLEEVE WITH STAINLESS STEEL TRIM PER ASTM C-923.
3. USE ECCENTRIC CONE ONLY.
4. HIGH DENSITY POLYETHYLENE (HDPE) PLASTIC ADJUSTING RINGS AND STEEL RING WEDGES OR SHIMS SHALL BE USED FOR FINAL FRAME ADJUSTMENT.

REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

PIT-SET METER VAULT DETAIL

NOT TO SCALE

MODEL: Default
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 DATE: 9/10/2024



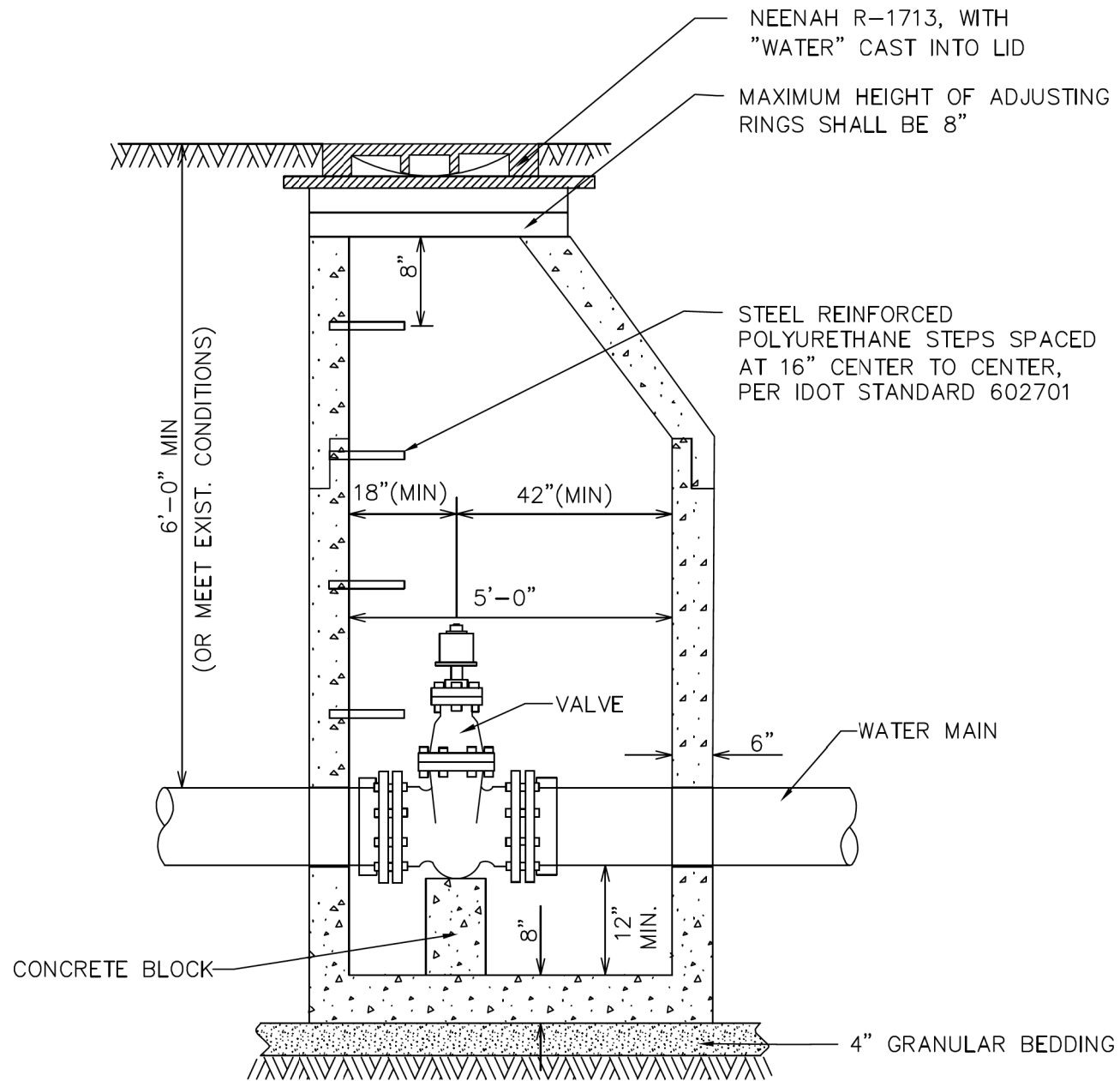
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| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 40,0001' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
WATERMAIN DETAILS

SCALE: NTS SHEET 1 OF 5 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1263 | 20-00108-00-PV | LAKE | 221 | 115 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTES:

1. PRECAST REINFORCED CONCRETE SECTIONS PER ASTM C-478 AND PREFORMED BITUMINOUS JOINTS WITH INTEGRAL PRECAST BOTTOM.
2. PIPE OPENINGS SHALL BE PRECAST INTO WALLS. CAST IN RESILIENT WATERTIGHT SLEEVE WITH STAINLESS STEEL TRIM PER ASTM C-923.
3. USE ECCENTRIC CONE ONLY.
4. HIGH DENSITY POLYETHYLENE (HDPE) PLASTIC ADJUSTING RINGS AND STEEL RING WEDGES OR SHIMS SHALL BE USED FOR FINAL FRAME ADJUSTMENT.

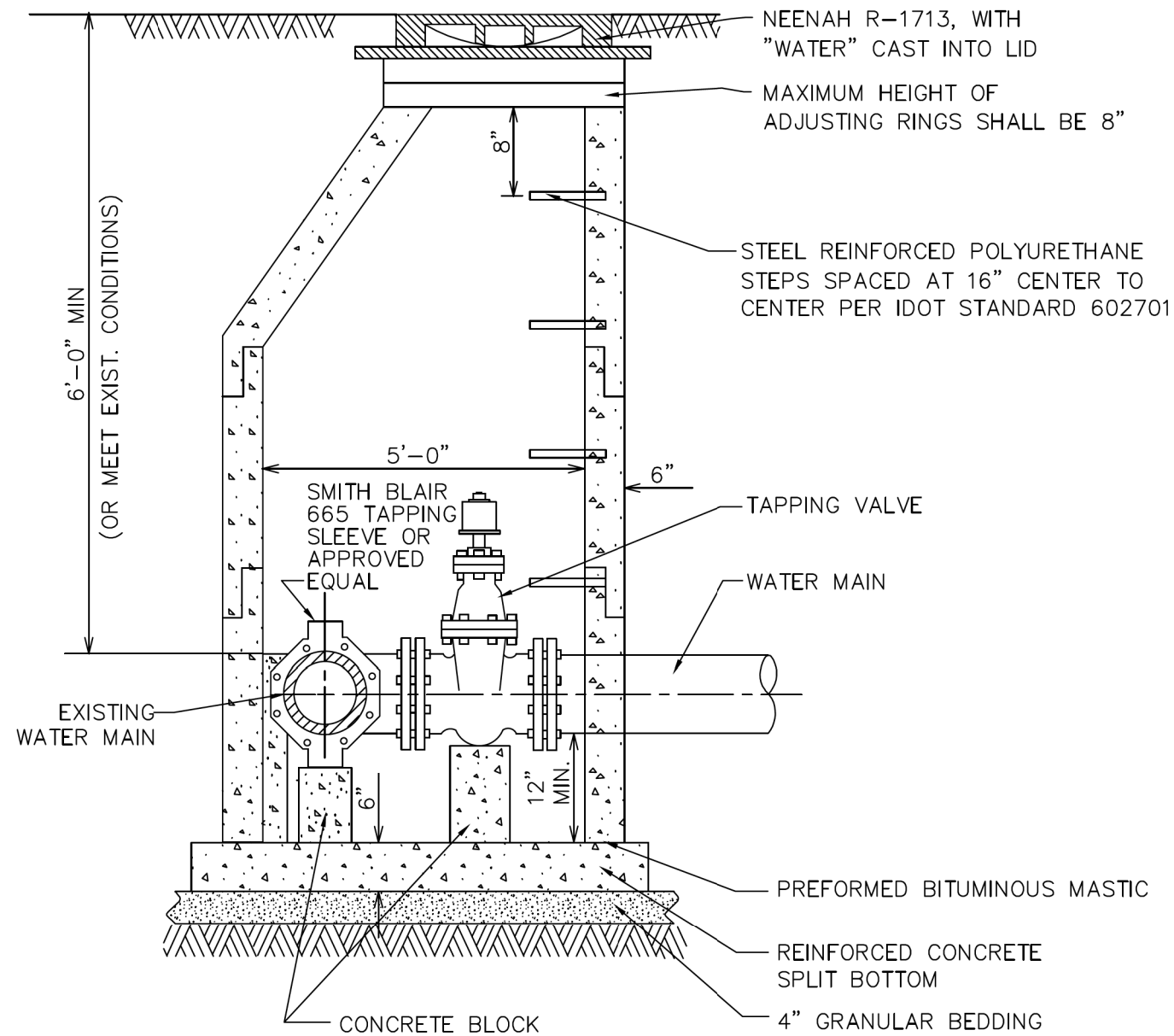
REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

PRECAST VALVE VAULT DETAIL

NOT TO SCALE



NOTES:

1. PRECAST REINFORCED CONCRETE SECTIONS PER ASTM C-478 AND PREFORMED BITUMINOUS JOINTS WITH INTEGRAL PRECAST BOTTOM.
2. PIPE OPENINGS SHALL BE PRECAST INTO WALLS. CAST IN RESILIENT WATERTIGHT SLEEVE WITH STAINLESS STEEL TRIM PER ASTM C-923.
3. USE ECCENTRIC CONE ONLY.
4. HIGH DENSITY POLYETHYLENE (HDPE) PLASTIC ADJUSTING RINGS AND STEEL RING WEDGES OR SHIMS SHALL BE USED FOR FINAL FRAME ADJUSTMENT.

REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

PRESSURE CONNECTION DETAIL

NOT TO SCALE

MODEL: Default; FILE NAME: E:\090-006_Hazel_Avenue_Phase_II_Deerfield\CADD_Sheets\12_Watermain\20-00108-00-PV_SHT_Watermain_012_Detail.dgn



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 40,0001' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

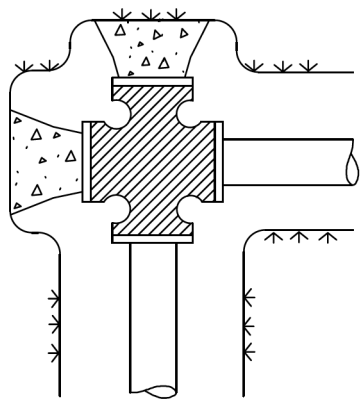
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
WATERMAIN DETAILS

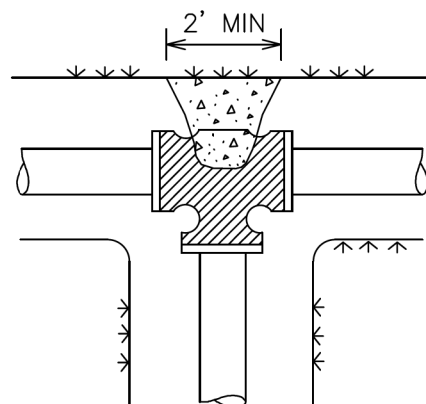
SCALE: NTS SHEET 2 OF 5 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
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| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

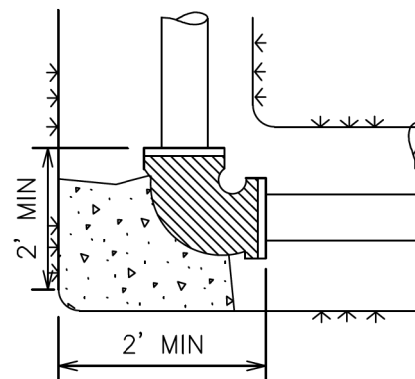
PLUGGED CROSS



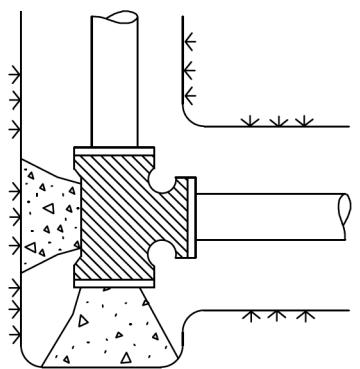
TEE



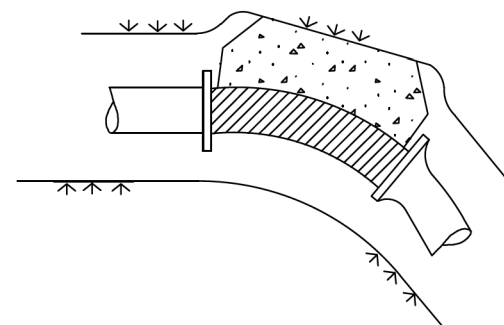
90° BEND



PLUGGED TEE



VERTICAL BEND



NOTES:

1. BLOCKING SHALL BE APPLIED FOR ALL TEES, PLUGS, CAPS AND 22 1/2° OR MORE BENDS.
2. ALL BLOCKING SHALL BEAR AGAINST UNDISTURBED EARTH.
3. ALL CONCRETE TO BE MIN. 3,000 PSI.
4. IN ADDITION TO THE ABOVE THRUST BLOCKING: ALL MECHANICAL JOINTS, BENDS OVER 10° AND FIRE HYDRANTS SHALL HAVE A MEGALUG® JOINT RESTRAINT

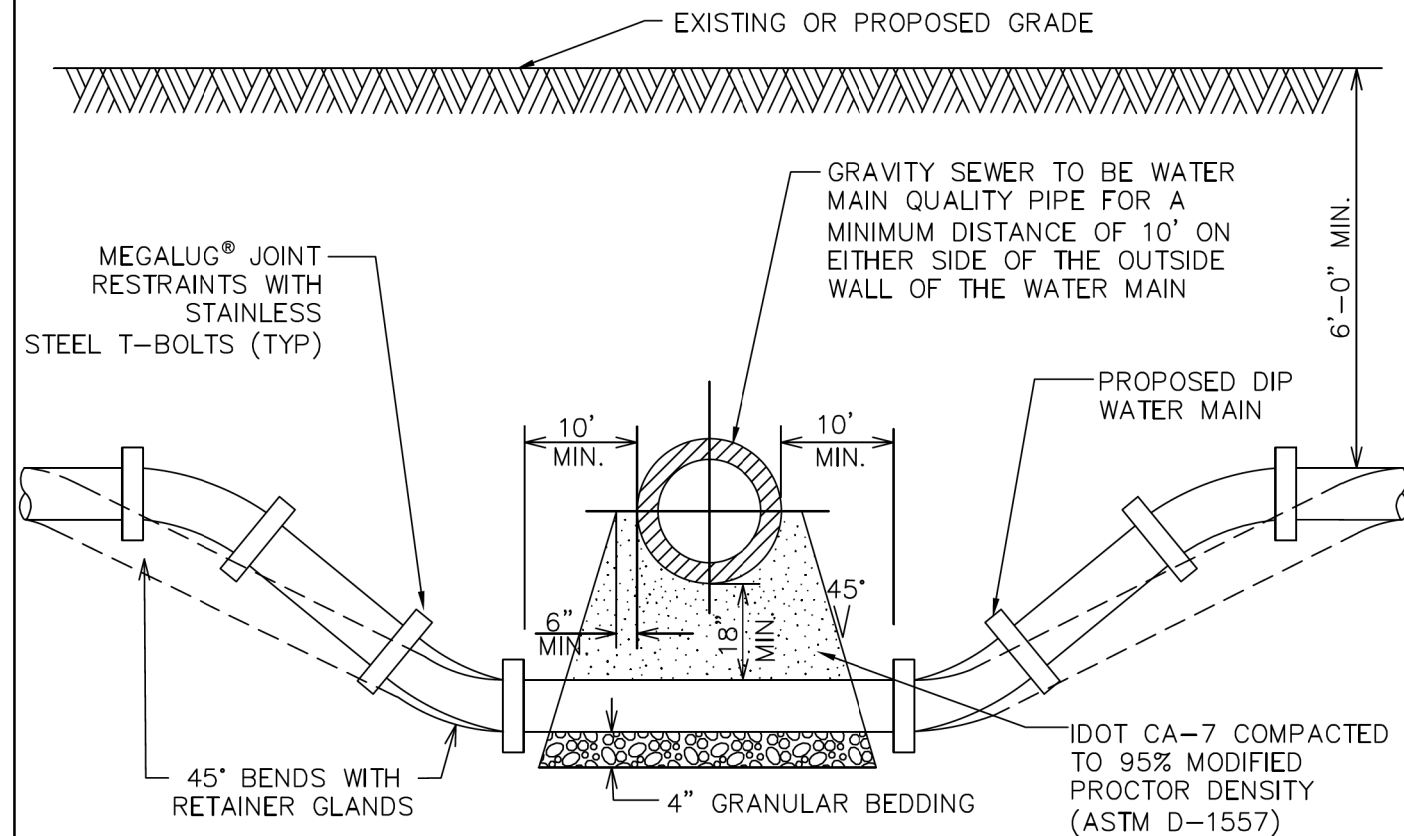
REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

THRUST BLOCK
INSTALLATION DETAILS

NOT TO SCALE



NOTES:

1. HORIZONTAL AND VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWERS SHALL COMPLY WITH APPLICABLE SECTIONS OF THE VILLAGE OF DEERFIELD ENGINEERING GUIDE OR IEPA SEPARATION REQUIREMENTS, WHICHEVER IS MORE STRINGENT.
2. CONTRACTOR MAY BEND WATER MAIN PIPE UNIFORMLY UNDER SEWERS WITHOUT USING FITTINGS, PROVIDED THAT JOINT DEFLECTION DOES NOT EXCEED 5 DEGREES PER JOINT FOR PIPE UNDER 14" IN DIAMETER AND 3 DEGREES PER JOINT FOR PIPE 14" AND OVER IN DIAMETER. IF FITTINGS ARE USED, CONTINUOUS STRAPPING WITH RODS, STRAPS, NUTS AND BOLTS BELOW NORMAL WATERMAIN DEPTH ARE REQUIRED, OR RETAINER GLANDS MAY BE USED IN LIEU OF STRAPPING.
3. ALL SANITARY AND STORM SEWER (INCLUDING SERVICE) CROSSINGS WHERE THE WATER MAINS OR WATER SERVICES ARE LESS THAN 18" VERTICALLY ABOVE THE SEWER SHALL BE PVC SDR 26 CONFORMING TO ASTM D-2241. JOINTS SHALL CONFORM TO ASTM D-3139 AND GASKETS TO ASTM F-477. THE SAME PIPE AND JOINT MATERIALS SHALL BE USED WHENEVER WATER MAIN CROSSES BELOW THE SEWER.
4. FOR NEW SEWER INSTALLATIONS CROSSING OVER WATER MAINS, THE ENTIRE RUN OF NEW SEWER SHALL BE WATER MAIN QUALITY PIPE, EXTENDING FROM STRUCTURE TO STRUCTURE ON EACH SIDE OF THE CROSSING.

REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

WATER MAIN CROSSING DETAIL

NOT TO SCALE

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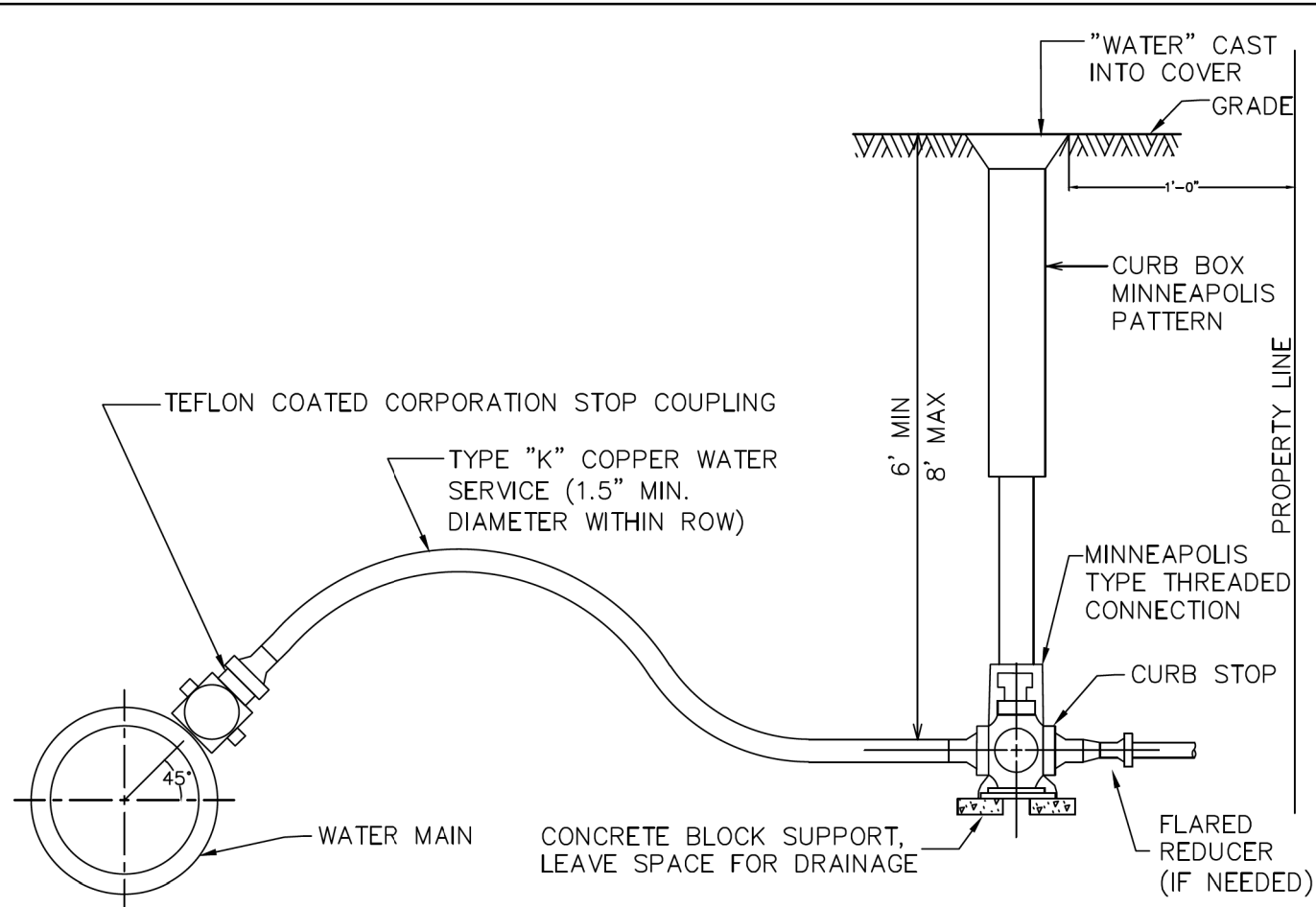
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| PLOT SCALE = 40.0001' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
WATERMAIN DETAILS

SCALE: NTS SHEET 3 OF 5 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1263 | 20-00108-00-PV | LAKE | 221 | 117 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTES:

1. COPPER SERVICE PIPE SHALL BE ONE PIECE BETWEEN TAP AND CURB BOX.
2. CURB BOX SHALL BE 3' FROM PROPERTY LINE WITHIN CUL-DE-SACS.
3. MINIMUM OF 3' BETWEEN TAPS AND NEAREST JOINT.
4. ALL CONNECTIONS SHALL BE MADE WITH FLARE-TYPE COUPLINGS. SWEAT OR COMPRESSION JOINTS ARE NOT PERMITTED.

A. CURB BOX: (1-1/2" OR 2" DIAMETER WATER SERVICES)

1. MUELLER H-10300 EXTENSION TYPE WITH MINNEAPOLIS PATTERN BASE
2. TYLER 95E

B. CORPORATION STOP:

1. MUELLER B25000 PLUS H-15068 QUARTER BEND FLARED COUPLING
2. FORD BALL CORPORATION STOPS FB600-X-NL STYLE
3. A 12" LONG CASCADE CRT-1 OR JCM REPAIR CLAMP TAP-THROUGH SLEEVE MUST BE USED FOR NEW WATER SERVICES ON EXISTING WATER MAINS.

C. CURB STOP:

1. MUELLER B-25154N MINNEAPOLIS PATTERN
2. FORD B22-XXXM-NL STYLE MINNEAPOLIS PATTERN

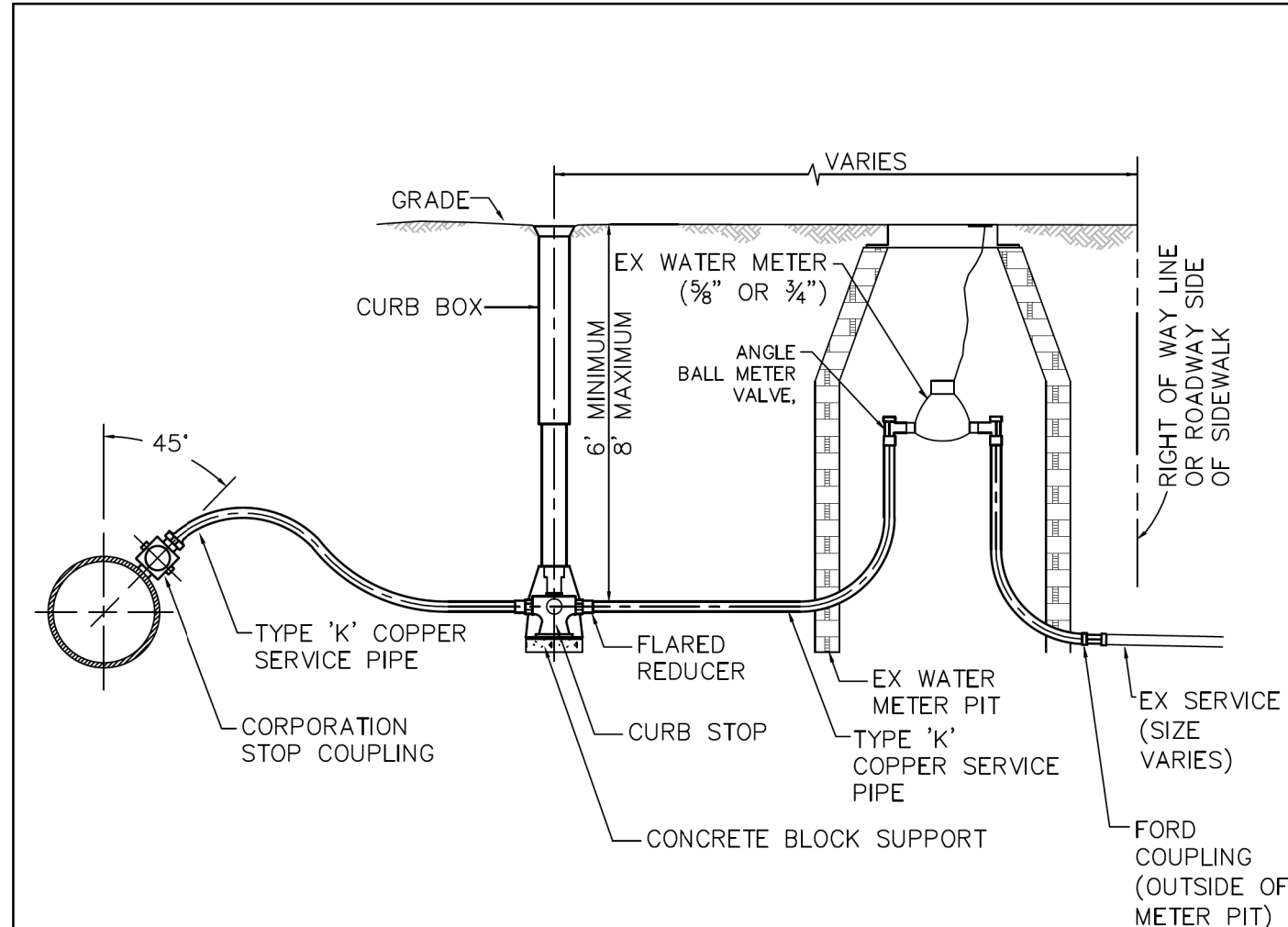
REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

WATER SERVICE CONNECTION DETAIL

NOT TO SCALE



NOTES:

1. SEE COPPER WATER SERVICE CONNECTION DETAIL FOR MATERIAL SPECIFICATIONS.
2. REPAIR EXISTING WATER METER PIT WITH EXISTING BRICK.

REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

WATER SERVICE CONNECTION TO EXISTING WATER METER PIT DETAIL

NOT TO SCALE

MODEL: Default; FILE NAME: P:\09-006_Hazel Avenue Phase II_Deerfield\CADD_Sheets\12_Watermain\20-00108-00-PV_SHT_Watermain_012_Detail.dgn



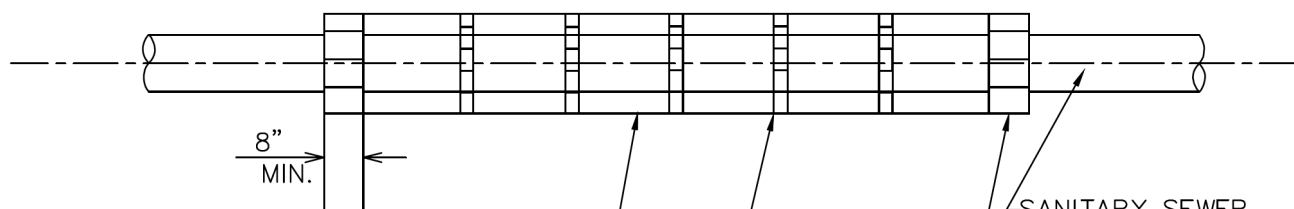
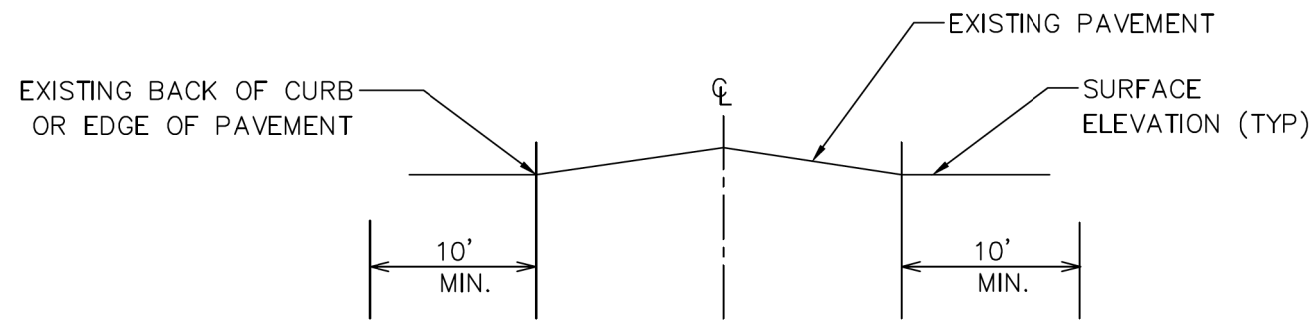
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| PLOT SCALE = 40,0001' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
WATERMAIN DETAILS

SCALE: NTS SHEET 4 OF 5 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1263 | 20-00108-00-PV | LAKE | 221 | 118 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



BITUMINOUS COATED STEEL CASING
PIPE 0.375" ROLLED SHEET STEEL
WALL MEETING REQUIREMENTS OF
ASTM A-120, AUGURED AND JACKED

SANITARY SEWER,
STORM SEWER
OR WATER MAIN
(CARRIER PIPE
CENTERED IN
CASING)

CASING SPACERS PLACED PER
MANUFACTURER'S RECOMMENDATION (MIN.
3 PER PIPE LENGTH) CASCADE MODEL CCS
STAINLESS STEEL OR APPROVED EQUAL

12" BRICK AND MORTAR
BULKHEAD AT EACH END
PRIOR TO BACKFILLING

NOTES:

1. CASING PIPE IS REQUIRED UNDER ALL EXISTING ROADWAYS, OR AS OTHERWISE DIRECTED BY THE ENGINEERING DIVISION WHERE OPEN CUTS ARE NOT PERMITTED (EXCLUDES WATER SERVICE LINES UP TO 2" IN DIAMETER).
2. THE INSIDE DIAMETER OF THE CASING PIPE SHALL BE DETERMINED BY THE CONTRACTOR BUT IN NO CASE SHALL IT BE LESS THAN 8" LARGER THAN THE DIAMETER OF THE CARRIER PIPE.
3. ALL AUGER PITS TO BE BACKFILLED WITH IDOT CA-7 (CRUSHED) AGGREGATE MATERIAL.

REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

CASING PIPE DETAIL

NOT TO SCALE

MODEL: Default
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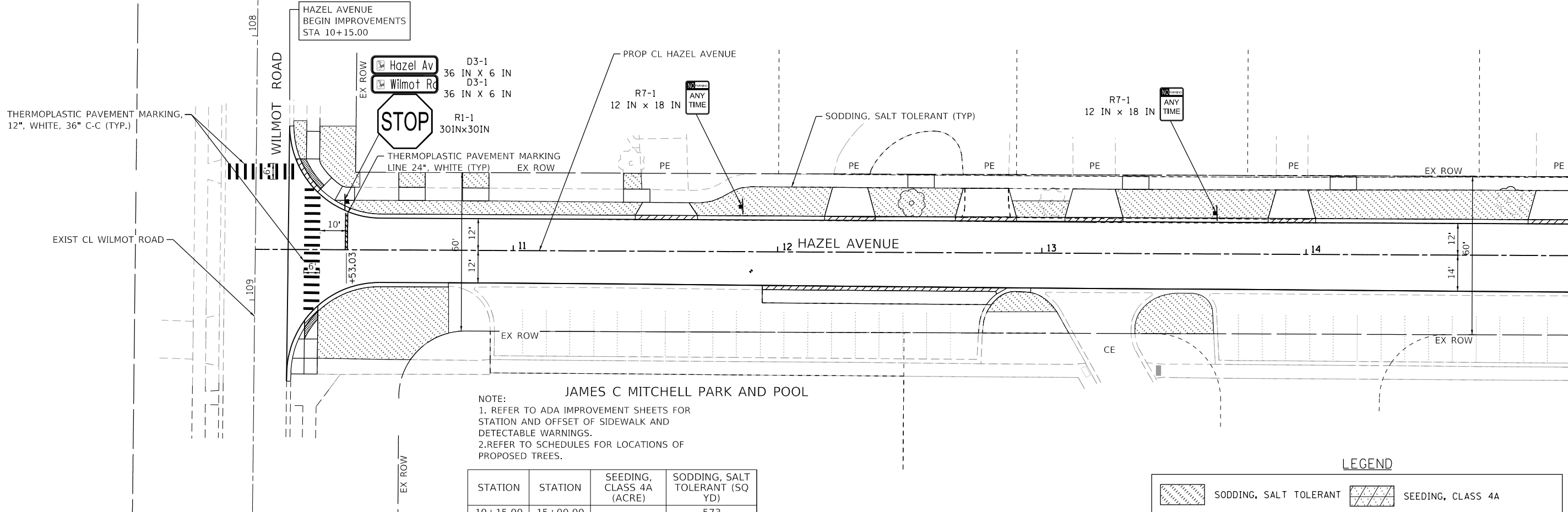
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| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
WATERMAIN DETAILS

SCALE: NTS SHEET 5 OF 5 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|----------------|--------|--------------|---------------------------|
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| | | | | CONTRACT NO. 61K74 |
| | | | | ILLINOIS FED. AID PROJECT |



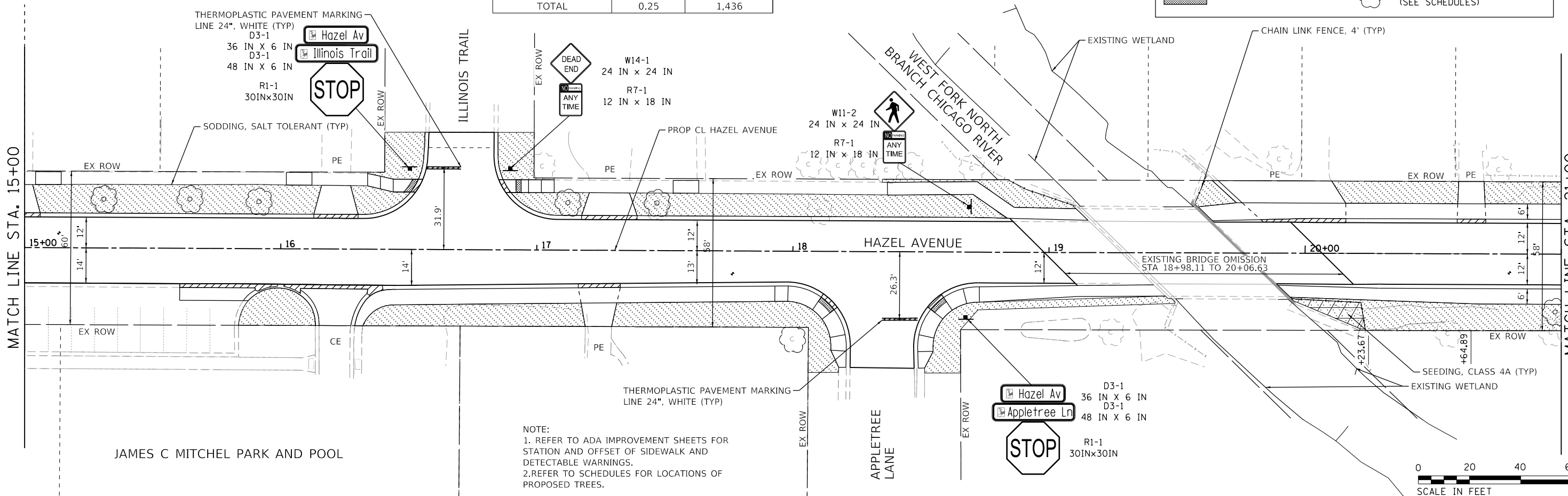
JAMES C MITCHELL PARK AND POOL

NOTE:
 1. REFER TO ADA IMPROVEMENT SHEETS FOR STATION AND OFFSET OF SIDEWALK AND DETECTABLE WARNINGS.
 2. REFER TO SCHEDULES FOR LOCATIONS OF PROPOSED TREES.

| STATION | STATION | SEEDING, CLASS 4A (ACRE) | SODDING, SALT TOLERANT (SQ YD) |
|----------|----------|--------------------------|--------------------------------|
| 10+15.00 | 15+00.00 | - | 573 |
| 15+00.00 | 21+00.00 | 0.25 | 863 |
| TOTAL | | 0.25 | 1,436 |

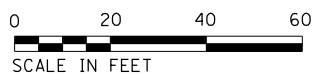
LEGEND

| | | | |
|--|------------------------|--|-------------------------------|
| | SODDING, SALT TOLERANT | | SEEDING, CLASS 4A |
| | DETECTABLE WARNING | | PROPOSED TREE (SEE SCHEDULES) |



JAMES C MITCHEL PARK AND POOL

NOTE:
 1. REFER TO ADA IMPROVEMENT SHEETS FOR STATION AND OFFSET OF SIDEWALK AND DETECTABLE WARNINGS.
 2. REFER TO SCHEDULES FOR LOCATIONS OF PROPOSED TREES.



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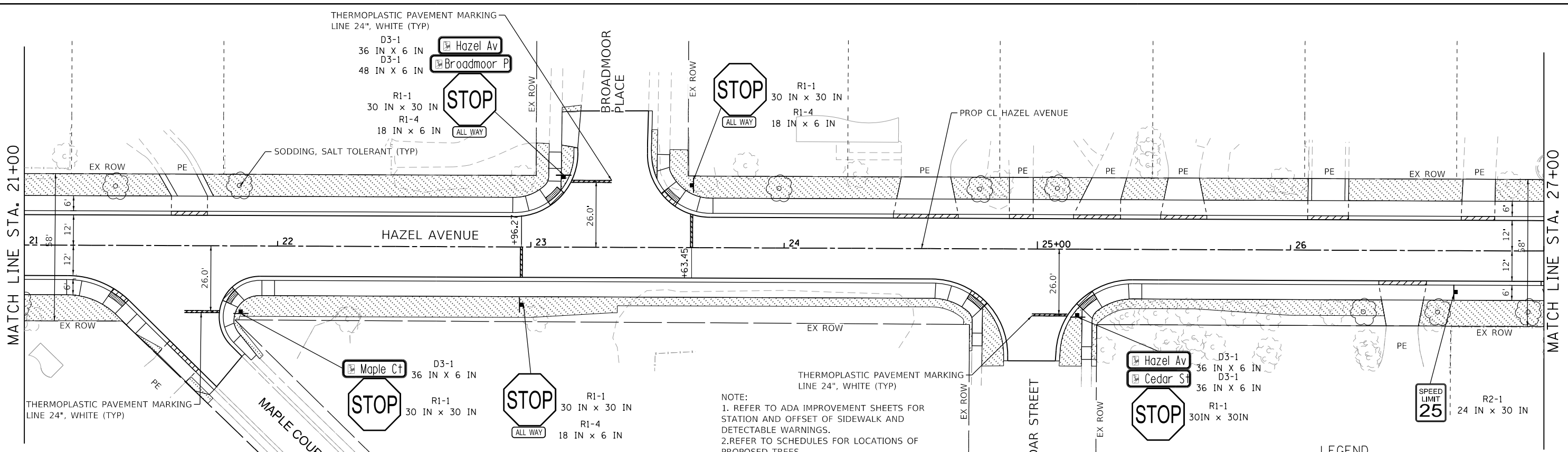
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| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE - 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
PAVEMENT MARKING AND LANDSCAPING PLAN**

SCALE: 1"=20' SHEET 1 OF 5 SHEETS STA. 10+02.39 TO STA. 21+00

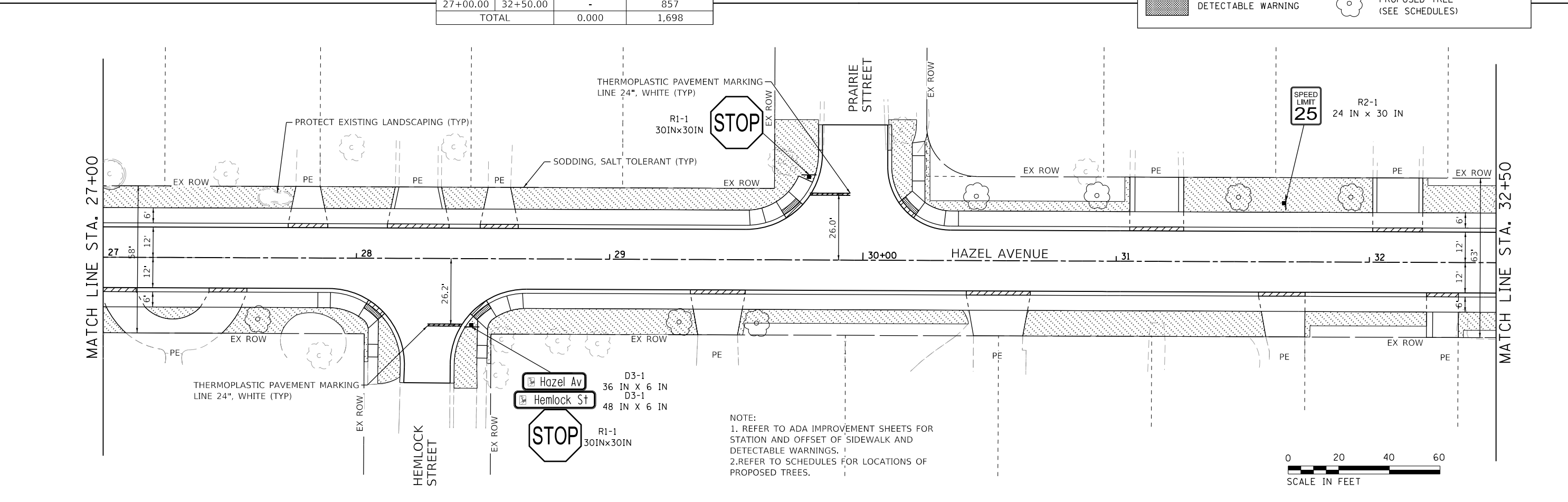
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| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 120 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| STATION | STATION | SEEDING, CLASS 4A (ACRE) | SODDING, SALT TOLERANT (SQ YD) |
|----------|----------|--------------------------|--------------------------------|
| 21+00.00 | 27+00.00 | - | 841 |
| 27+00.00 | 32+50.00 | - | 857 |
| TOTAL | | 0.000 | 1,698 |

LEGEND

| | | | |
|--|------------------------|--|-------------------------------|
| | SODDING, SALT TOLERANT | | SEEDING, CLASS 4A |
| | DETECTABLE WARNING | | PROPOSED TREE (SEE SCHEDULES) |



MODEL: D:\p1\12\2024\006 - Hazel Avenue Phase II Deerfield\CADD_Sheets\13_Pavement_Markings_Landscaping\20-00108-00-PV_SHT_PMK_002.dgn
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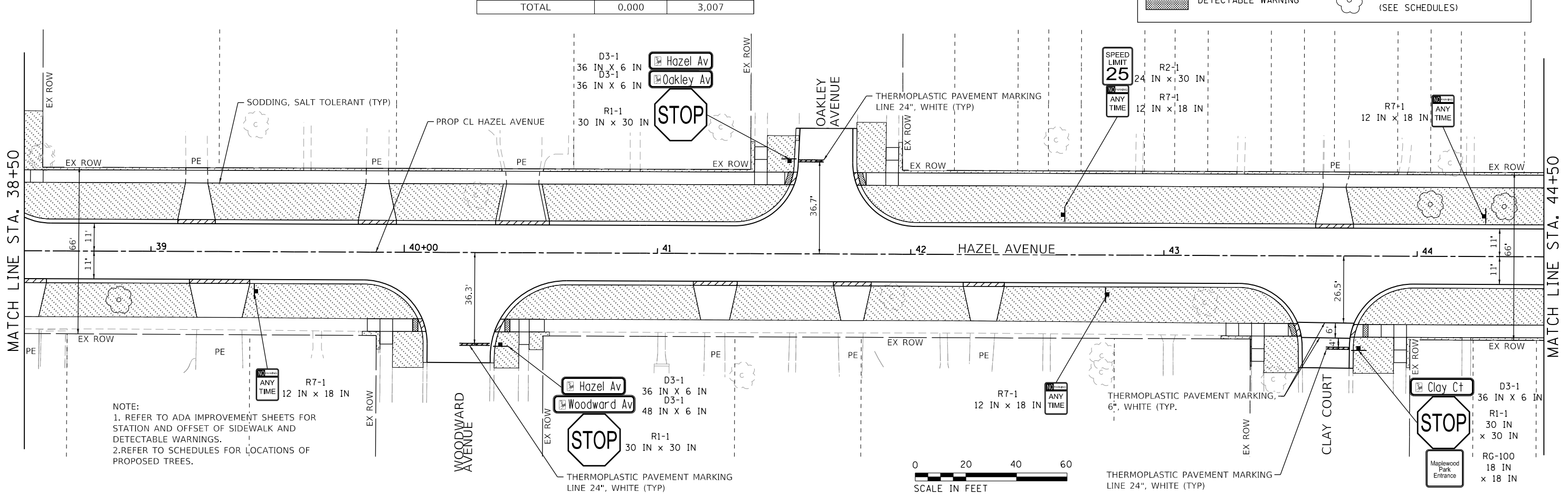
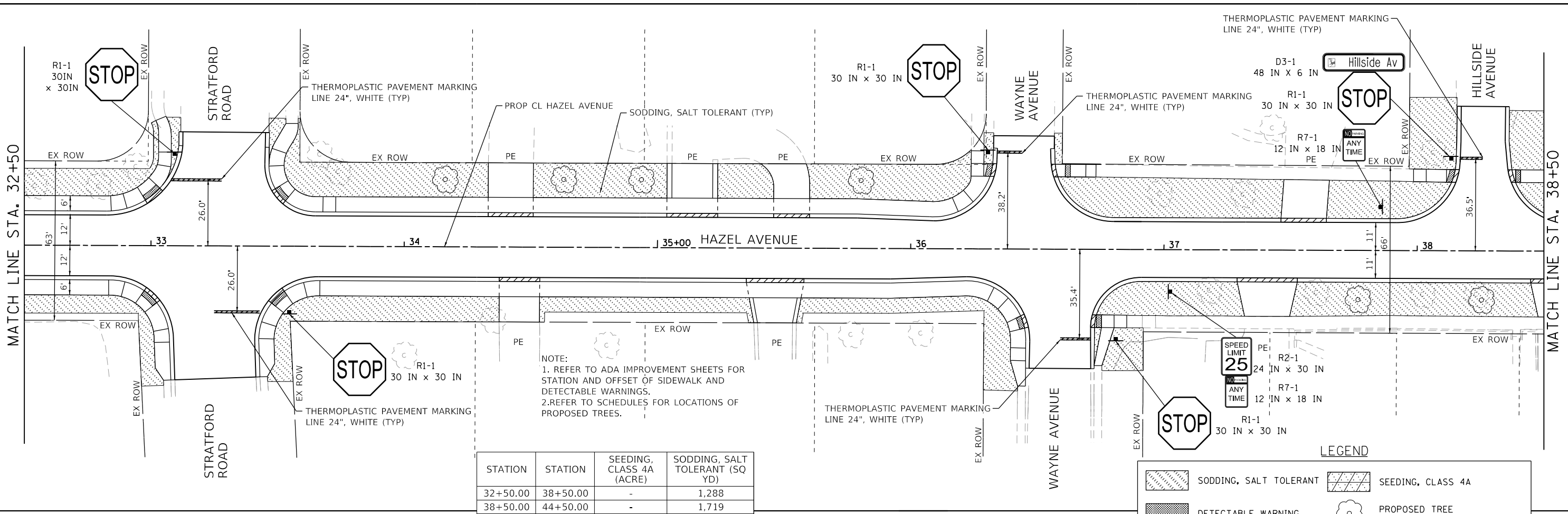
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| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE = 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
PAVEMENT MARKING AND LANDSCAPING PLAN**

SCALE: 1"=20'-20" SHEET 2 OF 5 SHEETS STA. 21+00 TO STA. 32+50

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1263 | 20-00108-00-PV | LAKE | 221 | 121 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



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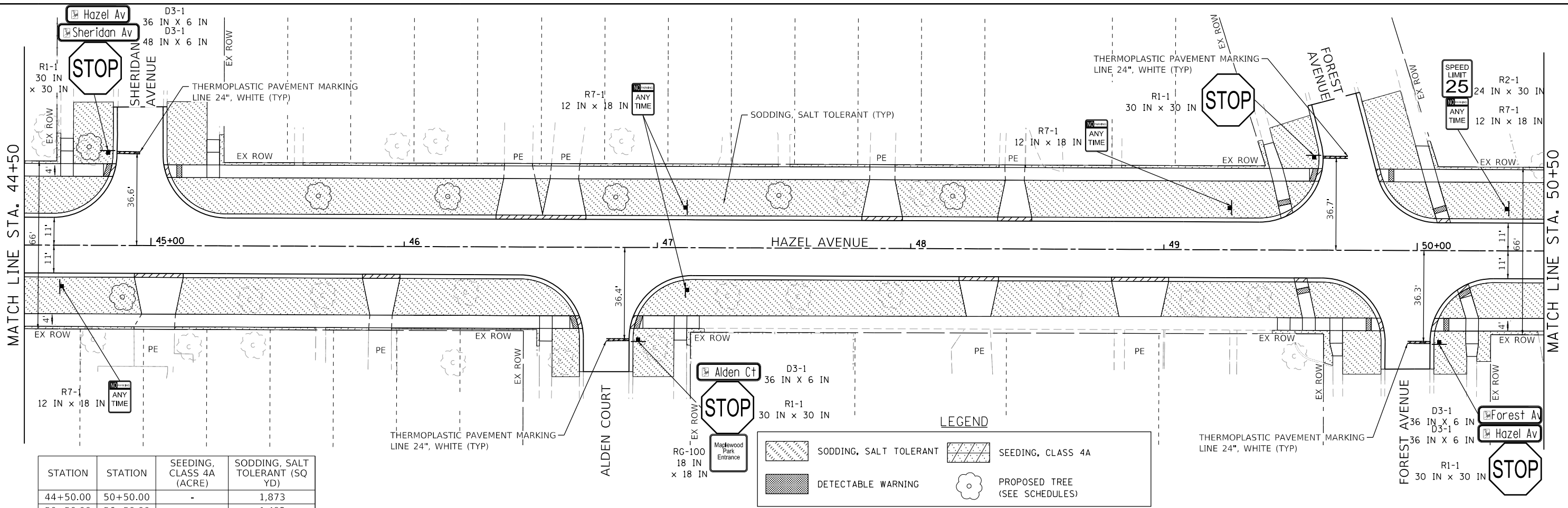
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| | DATE = 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|---------|-------------|--------------------------|
| HAZEL AVENUE IMPROVEMENTS PAVEMENT MARKING AND LANDSCAPING PLAN | | | |
| SCALE: 1"=20'±20" | SHEET 3 | OF 5 SHEETS | STA. 32+50 TO STA. 44+50 |

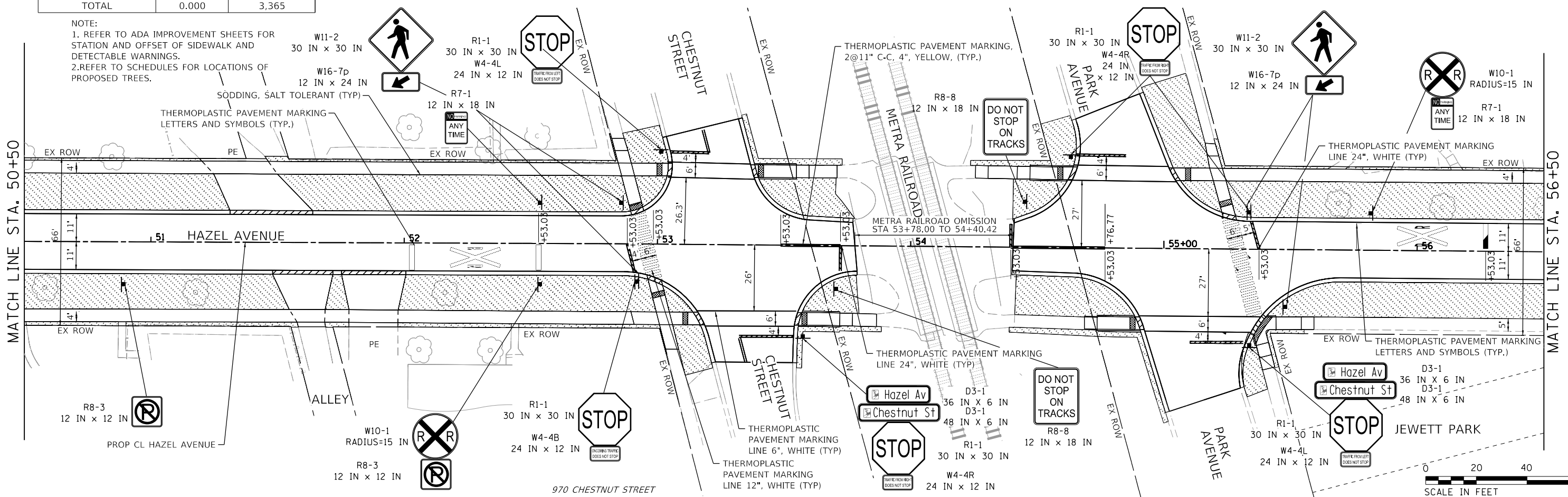
| | | | | |
|------------------|------------------------|-------------|------------------|------------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 122 |
| ILLINOIS | | | | FED. AID PROJECT |

CONTRACT NO. 61K74



| STATION | STATION | SEEDING, CLASS 4A (ACRE) | SODDING, SALT TOLERANT (SQ YD) |
|----------|----------|--------------------------|--------------------------------|
| 44+50.00 | 50+50.00 | - | 1,873 |
| 50+50.00 | 56+50.00 | - | 1,492 |
| TOTAL | | 0.000 | 3,365 |

NOTE:
 1. REFER TO ADA IMPROVEMENT SHEETS FOR STATION AND OFFSET OF SIDEWALK AND DETECTABLE WARNINGS.
 2. REFER TO SCHEDULES FOR LOCATIONS OF PROPOSED TREES.



MODEL: Definitive
 FILE NAME: E:\020-006-Hazel Avenue Phase II\Drawings\CADD_Sheets\13_Pavement_Markings_Landscaping\20-00108-00-PV_SHT_PMK_004.dgn

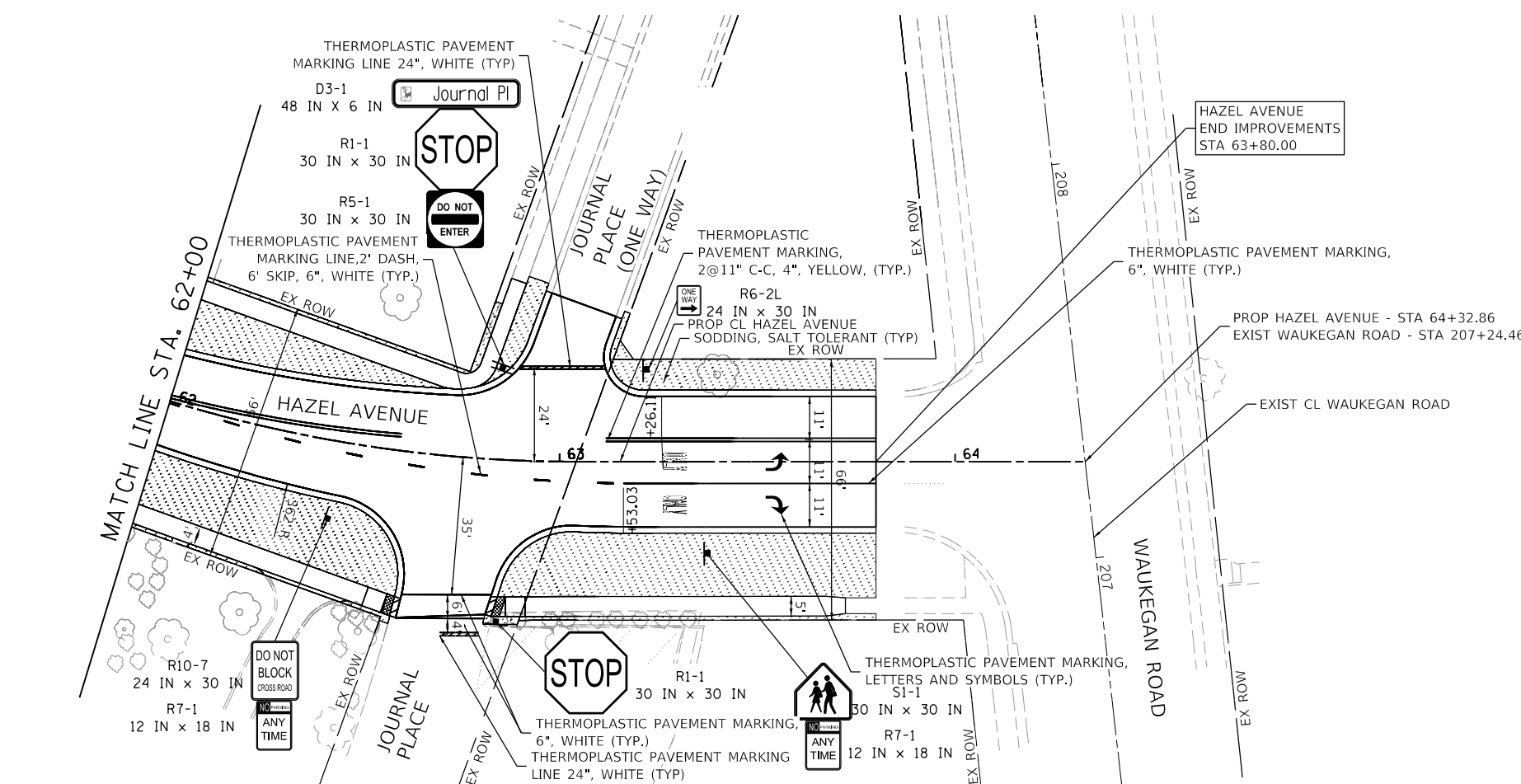
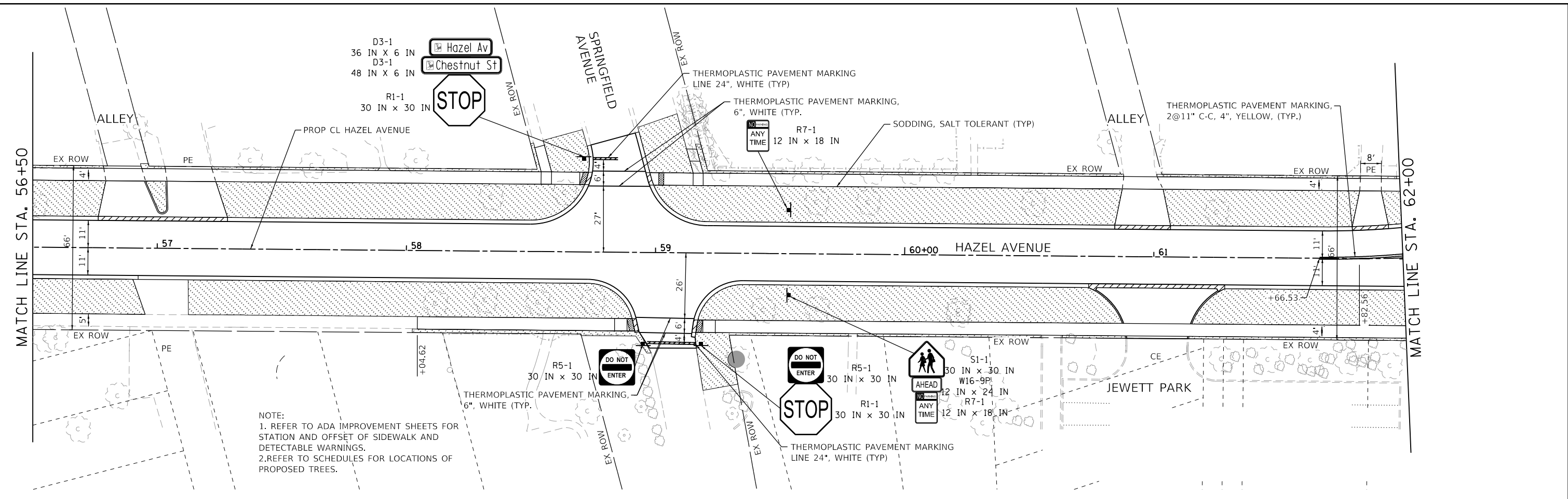


| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE = 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | |
|--|---------------------|--------------------------|
| HAZEL AVENUE IMPROVEMENTS | | |
| PAVEMENT MARKING AND LANDSCAPING PLAN | | |
| SCALE: 1"=20'±20" | SHEET 4 OF 5 SHEETS | STA. 44+50 TO STA. 56+50 |

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 123 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| STATION | STATION | SEEDING, CLASS 4A (ACRE) | SODDING, SALT TOLERANT (SQ YD) |
|----------|----------|--------------------------|--------------------------------|
| 56+50.00 | 62+00.00 | - | 1,615 |
| 62+00.00 | 63+87.00 | - | 439 |
| TOTAL | | 0.000 | 2,054 |

LEGEND

| | | | |
|--|------------------------|--|-------------------------------|
| | SODDING, SALT TOLERANT | | SEEDING, CLASS 4A |
| | DETECTABLE WARNING | | PROPOSED TREE (SEE SCHEDULES) |



NOTE:
 1. REFER TO ADA IMPROVEMENT SHEETS FOR STATION AND OFFSET OF SIDEWALK AND DETECTABLE WARNINGS.
 2. REFER TO SCHEDULES FOR LOCATIONS OF PROPOSED TREES.

MODEL: Defaul; FILE: Model; PLOT: 2024-09-10; PROJECT: 20-00108-00-PV-SHT; SHEET: 005.dgn



| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE = 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
PAVEMENT MARKING AND LANDSCAPING PLAN**

SCALE: 1"=20'±20" SHEET 5 OF 5 SHEETS STA. 56+50 TO STA. 64+32.86

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1263 | 20-00108-00-PV | LAKE | 221 | 124 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| HAZEL AVENUE | | | | | | | |
|--------------|----------|----------|--------------|----|-----------|-----------|-------------|
| STATION | OFFSET | SIGN NO. | SIZE (L x H) | | AREA (SF) | SIGN TYPE | POST LENGTH |
| 10+36.96 | 18.31 LT | R1-1 | 30 | 30 | 6.25 | 1 | 16 |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| 11+85.85 | 17.15 LT | R7-1 | 12 | 18 | 1.5 | 1 | 11 |
| 13+65.44 | 15.36 LT | R7-1 | 12 | 18 | 1.5 | 1 | 14 |
| 16+50.31 | 31.52 LT | R1-1 | 30 | 30 | 6.25 | 1 | 16 |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| | | D3-1 | 48 | 6 | 2 | 1 | |
| 16+89.38 | 31.71 LT | R7-1 | 12 | 18 | 1.5 | 1 | 16 |
| | | W14-1 | 24 | 24 | 4 | 1 | |
| | | R1-1 | 30 | 30 | 6.25 | 1 | |
| 18+67.59 | 25.48 RT | D3-1 | 36 | 6 | 1.5 | 1 | 16 |
| | | D3-1 | 48 | 6 | 2 | 1 | |
| | | R7-1 | 12 | 18 | 1.5 | 1 | |
| 18+68.77 | 17.64 LT | W11-2 | 24 | 24 | 4 | 1 | 16 |
| | | R1-1 | 30 | 30 | 6.25 | 1 | |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| 21+85.53 | 25.95 RT | R1-1 | 30 | 30 | 6.25 | 1 | 15 |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| 22+96.32 | 22.83 RT | R1-1 | 30 | 30 | 6.25 | 1 | 13 |
| 23+12.94 | 27.67 LT | R1-1 | 30 | 30 | 6.25 | 1 | 16 |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| | | D3-1 | 48 | 6 | 2 | 1 | |
| | | R1-4 | 18 | 6 | 0.75 | 1 | |
| 23+63.39 | 24.57 LT | R1-1 | 30 | 30 | 6.25 | 1 | 15 |
| | | R1-4 | 18 | 6 | 0.75 | 1 | |
| | | R1-1 | 30 | 30 | 6.25 | 1 | |
| 25+15.94 | 26.07 RT | R1-1 | 30 | 30 | 6.25 | 1 | 16 |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| 26+65.28 | 16.29 RT | R2-1 | 24 | 30 | 5 | 1 | 12 |
| 28+45.54 | 26.23 RT | R1-1 | 30 | 30 | 6.25 | 1 | 16 |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| | | D3-1 | 48 | 6 | 2 | 1 | |
| 29+78.69 | 32.83 LT | R1-1 | 30 | 30 | 6.25 | 1 | 14 |
| 31+66.16 | 23.21 LT | R2-1 | 24 | 30 | 5 | 1 | 14 |
| 33+09.26 | 36.22 LT | R1-1 | 30 | 30 | 6.25 | 1 | 12 |
| 33+54.65 | 25.95 RT | R1-1 | 30 | 30 | 6.25 | 1 | 12 |
| 36+30.46 | 38.24 LT | R1-1 | 30 | 30 | 6.25 | 1 | 14 |
| 36+81.02 | 35.32 RT | R1-1 | 30 | 30 | 6.25 | 1 | 14 |
| 37+02.49 | 16.48 RT | R7-1 | 12 | 18 | 1.5 | 1 | 16 |
| | | R2-1 | 24 | 30 | 5 | 1 | |
| 37+85.63 | 17.11 LT | R7-1 | 12 | 18 | 1.5 | 1 | 14 |
| 38+13.28 | 36.49 LT | R1-1 | 30 | 30 | 6.25 | 1 | 15 |
| | | D3-1 | 48 | 6 | 2 | 1 | |
| 39+41.36 | 15.63 RT | R7-1 | 12 | 18 | 1.5 | 1 | 14 |
| 40+38.12 | 36.23 RT | R1-1 | 30 | 30 | 6.25 | 1 | 16 |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| 41+51.92 | 36.71 LT | R1-1 | 30 | 30 | 6.25 | 1 | 15 |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| 42+60.05 | 15.92 LT | R7-1 | 12 | 18 | 1.5 | 1 | 15 |
| 42+77.72 | 15.63 RT | R7-1 | 12 | 18 | 1.5 | 1 | 13 |
| 43+76.92 | 36.49 RT | R1-1 | 30 | 30 | 6.25 | 1 | 19 |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| | | RG-100 | 18 | 18 | 2.25 | 1 | |
| | | RG-100 | 18 | 18 | 2.25 | 1 | |
| 44+26.27 | 15.99 LT | R7-1 | 12 | 18 | 1.5 | 1 | 14 |
| 44+64.86 | 16.27 RT | R7-1 | 12 | 18 | 1.5 | 1 | 12 |
| 44+82.89 | 36.64 LT | R1-1 | 30 | 30 | 6.25 | 1 | 16 |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| | | D3-1 | 48 | 6 | 2 | 1 | |

| HAZEL AVENUE | | | | | | | |
|--------------|----------|----------|--------------|----|-----------|-----------|-------------|
| STATION | OFFSET | SIGN NO. | SIZE (L x H) | | AREA (SF) | SIGN TYPE | POST LENGTH |
| 46+92.52 | 36.89 RT | R1-1 | 30 | 30 | 6.25 | 1 | 19 |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| | | RG-100 | 18 | 18 | 2.25 | 1 | |
| | | RG-100 | 18 | 18 | 2.25 | 1 | |
| 47+11.84 | 16.67 RT | R7-1 | 12 | 18 | 1.5 | 1 | 14 |
| 47+10.96 | 15.78 LT | R7-1 | 12 | 18 | 1.5 | 1 | 12 |
| 49+25.93 | 16.53 LT | R7-1 | 12 | 18 | 1.5 | 1 | 13 |
| 49+59.10 | 36.67 LT | R1-1 | 30 | 30 | 6.25 | 1 | 13 |
| 50+08.77 | 36.25 RT | R1-1 | 30 | 30 | 6.25 | 1 | 16 |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| 50+35.38 | 16.53 LT | R7-1 | 12 | 18 | 1.5 | 1 | 16 |
| | | R2-1 | 24 | 30 | 5 | 1 | |
| 50+89.18 | 16+80 RT | R8-3 | 12 | 12 | 1 | 1 | 12 |
| 52+53.62 | 16.15 RT | W10-1 | 15 | 15 | 4.91 | 1 | 16 |
| | | R8-3 | 12 | 12 | 1 | 1 | |
| 52+92.00 | 14.87 RT | R7-1 | 12 | 18 | 1.5 | 1 | 14 |
| | | R1-1 | 30 | 30 | 6.25 | 1 | |
| | | W4-4B | 24 | 12 | 2 | 1 | |
| | | W11-2 | 30 | 30 | 6.25 | 1 | |
| 52+85.59 | 16.13 LT | W16-7P | 12 | 24 | 2 | 1 | 17 |
| | | W11-2 | 30 | 30 | 6.25 | 1 | |
| | | W16-7P | 12 | 24 | 2 | 1 | |
| 53+01.22 | 36.49 LT | R1-1 | 30 | 30 | 6.25 | 1 | 16 |
| | | W4-4L | 24 | 12 | 2 | 1 | |
| 53+57.65 | 35.83 RT | R1-1 | 30 | 30 | 6.25 | 1 | 15 |
| | | W4-4R | 24 | 12 | 2 | 1 | |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| | | D3-1 | 48 | 6 | 2 | 1 | |
| 53+70.56 | 17.00 RT | R8-8 | 12 | 18 | 1.5 | 1 | 19 |
| 54+44.90 | 17.92 LT | R8-8 | 12 | 18 | 1.5 | 1 | 20 |
| 54+62.92 | 35.87 LT | R1-1 | 30 | 30 | 6.25 | 1 | 16 |
| | | W4-4R | 24 | 12 | 2 | 1 | |
| 55+34.00 | 38.09 RT | R1-1 | 30 | 30 | 6.25 | 1 | 17 |
| | | W4-W4L | 24 | 12 | 2 | 1 | |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| | | D3-1 | 48 | 6 | 2 | 1 | |
| 55+33.46 | 14.58 LT | R1-1 | 30 | 30 | 6.25 | 1 | 16 |
| | | W4-4B | 24 | 12 | 2 | 1 | |
| | | W11-2 | 30 | 30 | 6.25 | 1 | |
| | | W16-7P | 12 | 24 | 2 | 1 | |
| 55+47.94 | 22.62 RT | W11-2 | 30 | 30 | 6.25 | 1 | 17 |
| | | W16-7P | 12 | 24 | 2 | 1 | |
| 55+81.58 | 14.58 LT | W10-1 | 15 | 15 | 4.91 | 1 | 13 |
| | | R7-1 | 12 | 18 | 3.14 | 1 | |
| 58+71.04 | 37.47 LT | R1-1 | 30 | 30 | 6.25 | 1 | 16 |
| | | D3-1 | 36 | 6 | 1.5 | 1 | |
| | | D3-1 | 48 | 6 | 2 | 1 | |
| 58+95.26 | 36.65 RT | R5-1 | 30 | 30 | 6.25 | 1 | 13 |
| 59+18.48 | 36.45 RT | R1-1 | 30 | 30 | 6.25 | 1 | 17 |
| | | R5-1 | 30 | 30 | 6.25 | 1 | |
| 59+53.64 | 16.60 RT | S1-1 | 30 | 30 | 6.25 | 1 | 19 |
| | | W16-9P | 12 | 24 | 2 | 1 | |
| | | R7-1 | 12 | 18 | 1.5 | 1 | |
| 59+53.35 | 17.55 LT | R7-1 | 12 | 18 | 1.5 | 1 | 14 |
| 62+90.08 | 82.60 RT | R10-7 | 24 | 30 | 5 | 1 | 16 |
| | | R7-1 | 12 | 18 | 1.5 | 1 | |
| 62+84.34 | 23.25 LT | D3-1 | 48 | 6 | 2 | 1 | 18 |
| | | R1-1 | 30 | 30 | 6.25 | 1 | |
| | | R5-1 | 30 | 30 | 6.25 | 1 | |
| 62+85.97 | 40.89 RT | R1-1 | 30 | 30 | 6.25 | 1 | 13 |
| 63+21.87 | 23.22 LT | R6-2L | 24 | 30 | 5 | 1 | 12 |
| 63+37.28 | 23.36 RT | R7-1 | 12 | 18 | 1.5 | 1 | 14 |

MODEL: Default
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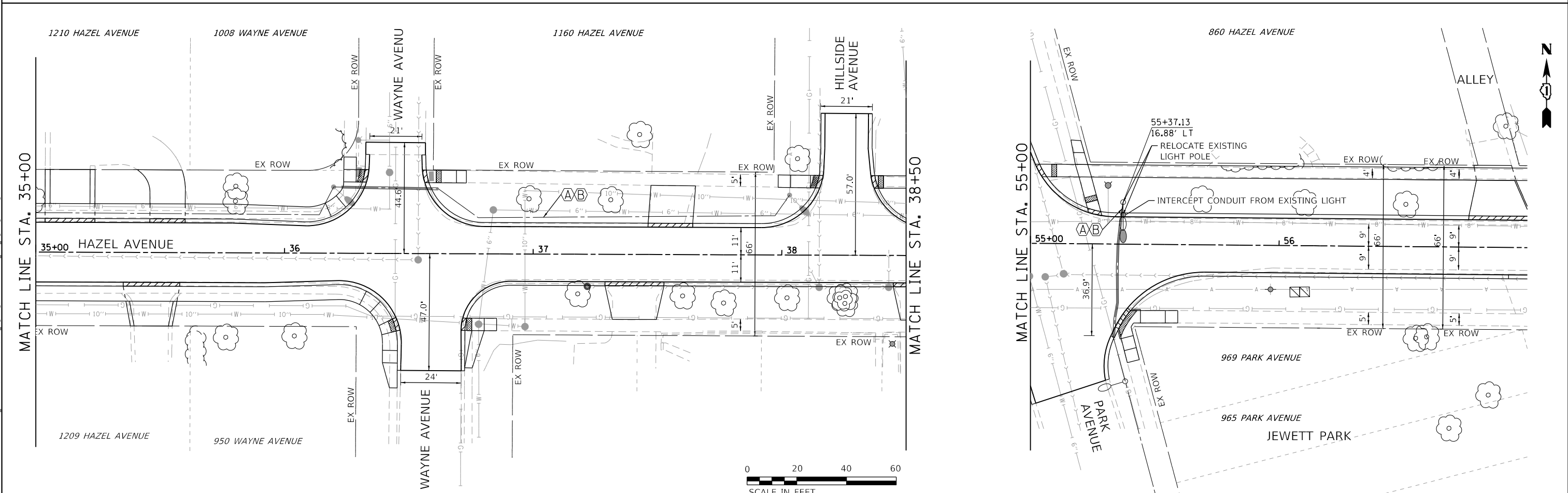
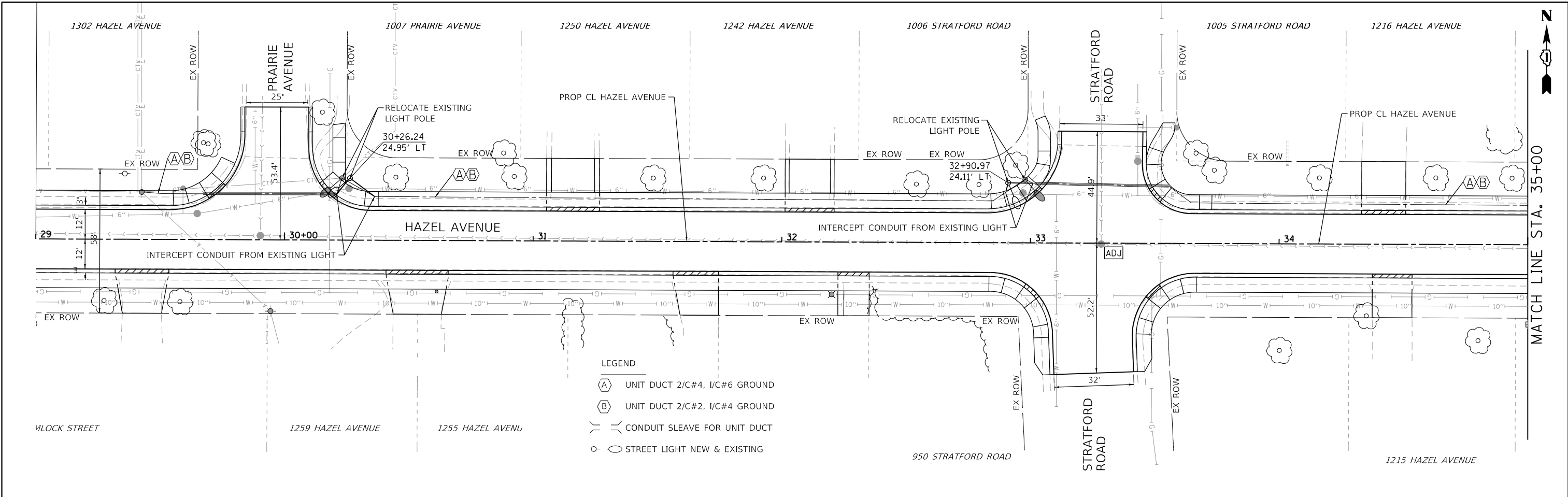
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|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0001' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
SIGNAGE

SCALE: N/A SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 125 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



MODEL: D:\p1\11\11000-006_Hazel Avenue Phase II_Deerfield\CADD_Sheets\13.5_Lighting\20-00108-00-PV_S11F_Lighting_001.dgn
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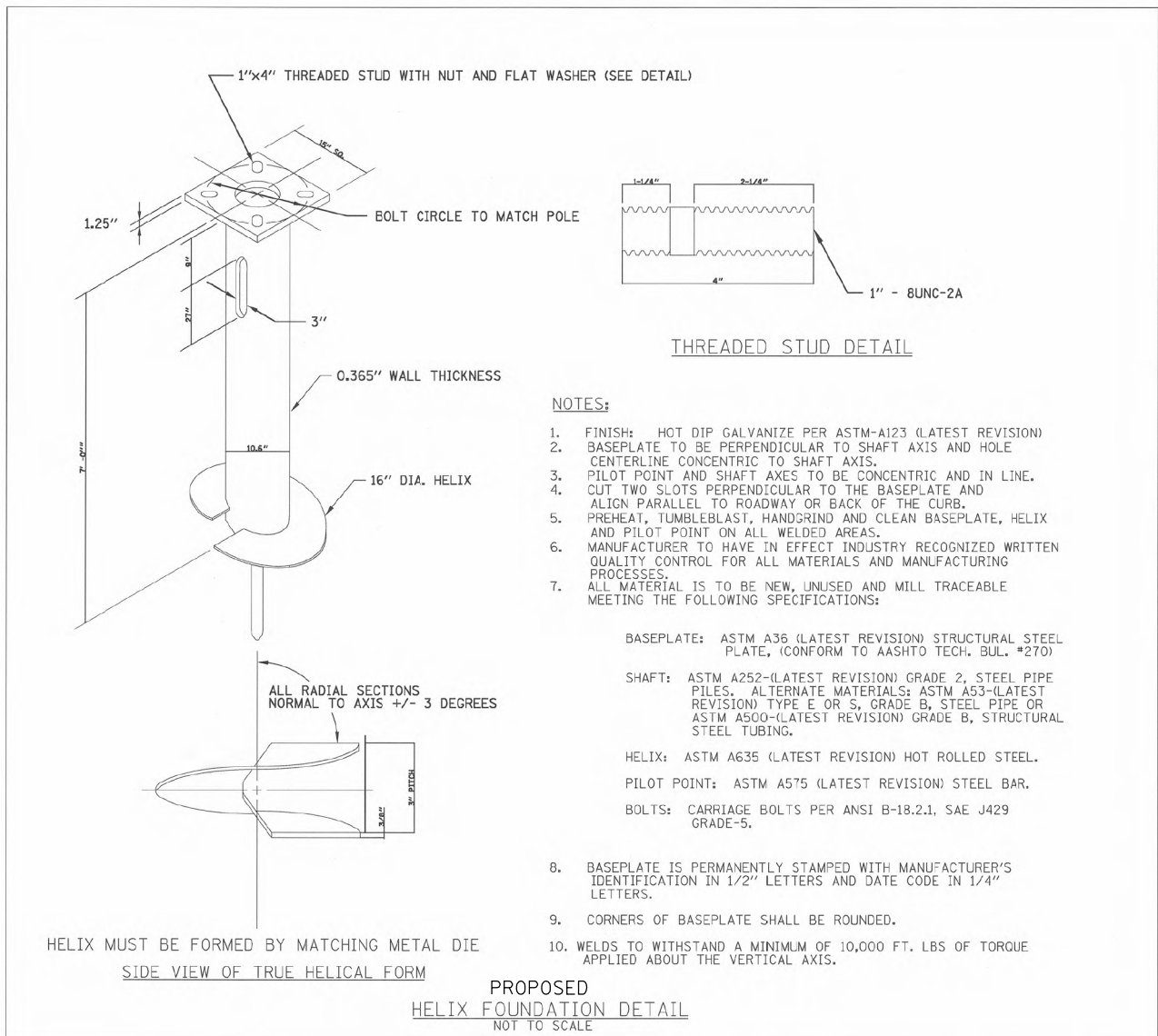
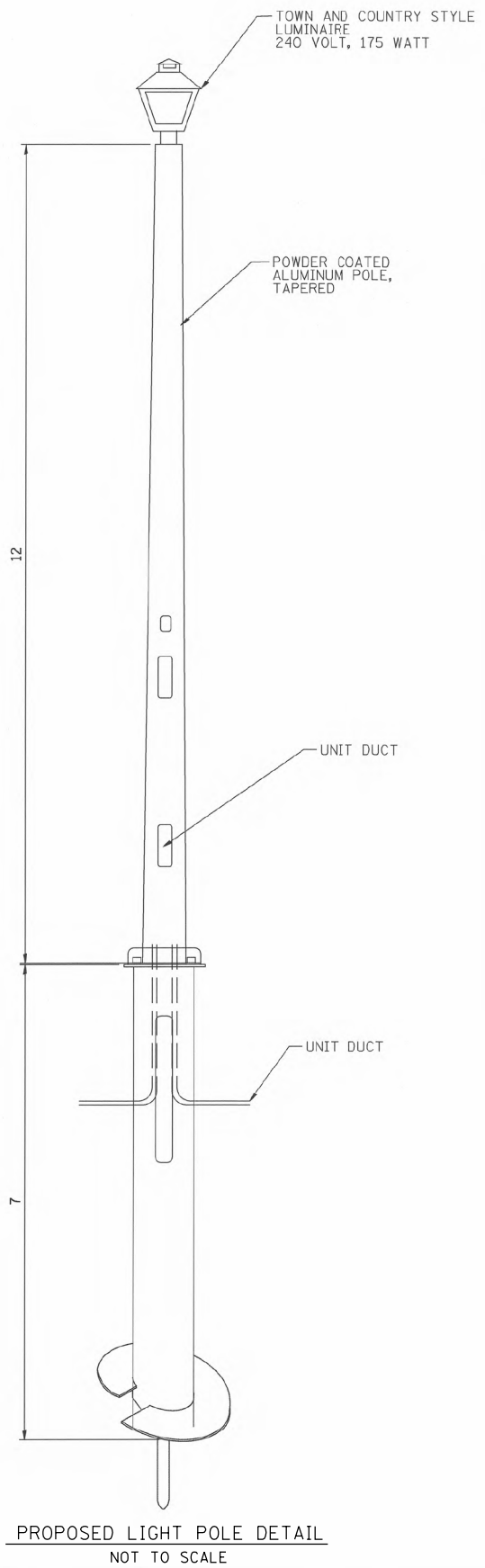


| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE - 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

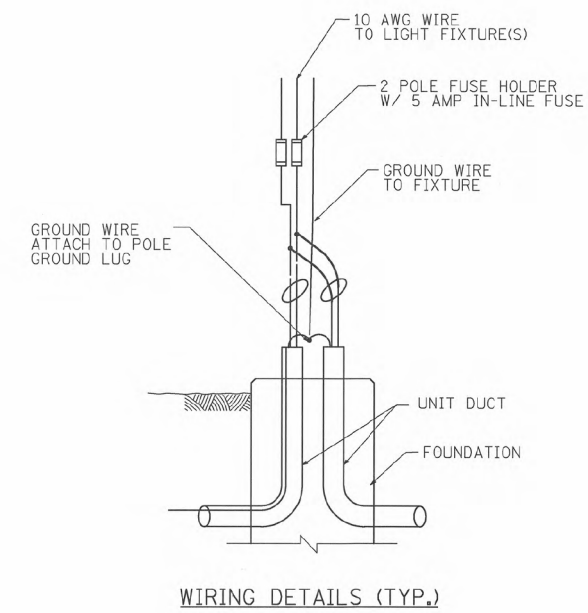
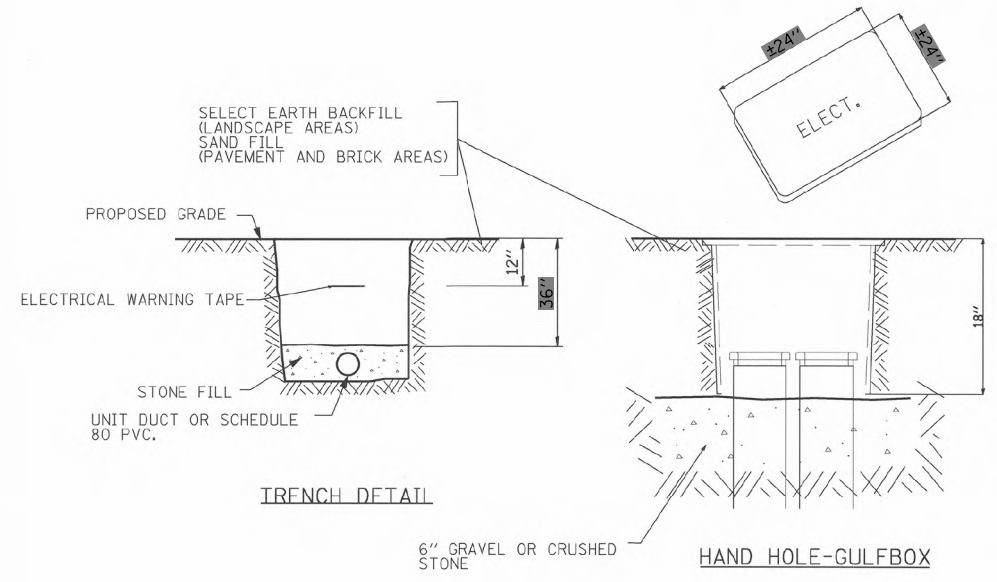
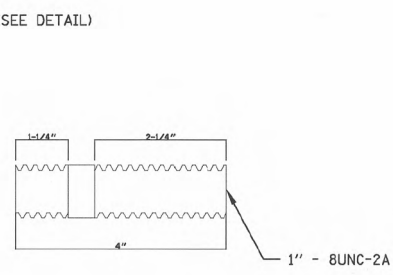
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|--|--|---------------------|----------------|----------|--------------|-----------|
| HAZEL AVENUE IMPROVEMENTS LIGHTING PLAN | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | 1263 | 20-00108-00-PV | LAKE | 221 | 126 |
| SCALE: 1"=20' | | SHEET 1 OF 1 SHEETS | | STA. N/A | TO STA. N/A | |

| | | | |
|---------------------------|--|--------------------|--|
| ILLINOIS FED. AID PROJECT | | CONTRACT NO. 61K74 | |
|---------------------------|--|--------------------|--|



- NOTES:**
1. FINISH: HOT DIP GALVANIZE PER ASTM-A123 (LATEST REVISION)
 2. BASEPLATE TO BE PERPENDICULAR TO SHAFT AXIS AND HOLE CENTERLINE CONCENTRIC TO SHAFT AXIS.
 3. PILOT POINT AND SHAFT AXES TO BE CONCENTRIC AND IN LINE. CUT TWO SLOTS PERPENDICULAR TO THE BASEPLATE AND ALIGN PARALLEL TO ROADWAY OR BACK OF THE CURB.
 4. PREHEAT, TUMBLEBLAST, HANDGRIND AND CLEAN BASEPLATE, HELIX AND PILOT POINT ON ALL WELDED AREAS.
 5. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
 7. ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:
 - BASEPLATE: ASTM A36 (LATEST REVISION) STRUCTURAL STEEL PLATE, (CONFORM TO AASHTO TECH. BUL. #270)
 - SHAFT: ASTM A252-(LATEST REVISION) GRADE 2, STEEL PIPE PILES. ALTERNATE MATERIALS: ASTM A53-(LATEST REVISION) TYPE E OR S, GRADE B, STEEL PIPE OR ASTM A500-(LATEST REVISION) GRADE B, STRUCTURAL STEEL TUBING.
 - HELIX: ASTM A635 (LATEST REVISION) HOT ROLLED STEEL.
 - PILOT POINT: ASTM A575 (LATEST REVISION) STEEL BAR.
 - BOLTS: CARRIAGE BOLTS PER ANSI B-18.2.1, SAE J429 GRADE-5.
 8. BASEPLATE IS PERMANENTLY STAMPED WITH MANUFACTURER'S IDENTIFICATION IN 1/2" LETTERS AND DATE CODE IN 1/4" LETTERS.
 9. CORNERS OF BASEPLATE SHALL BE ROUNDED.
 10. WELDS TO WITHSTAND A MINIMUM OF 10,000 FT. LBS OF TORQUE APPLIED ABOUT THE VERTICAL AXIS.

- NOTES:**
1. REMOVE EXISTING DUCT AND CONDUCTORS ENTERING EACH POLE. REPLACE WITH NEW UNIT DUCT.
 2. FURNISH AND SUPPLY NEW FUSES, FUSE HOLDERS AND WIRING INSIDE EACH POLE TO EACH LUMINAIRE.
 3. BOND LIGHTING FIXTURE AND ANY METAL ACCESS PLATES TO UNIT DUCTS GROUNDING CONDUCTOR.



MODEL: Default; FILE NAME: F:\090-006 - Hazel Avenue Phase II Deerfield\CADD_Sheets\13.5_Lightpole\20-00108-00-PV-51IT_Lightpole_002.dwg



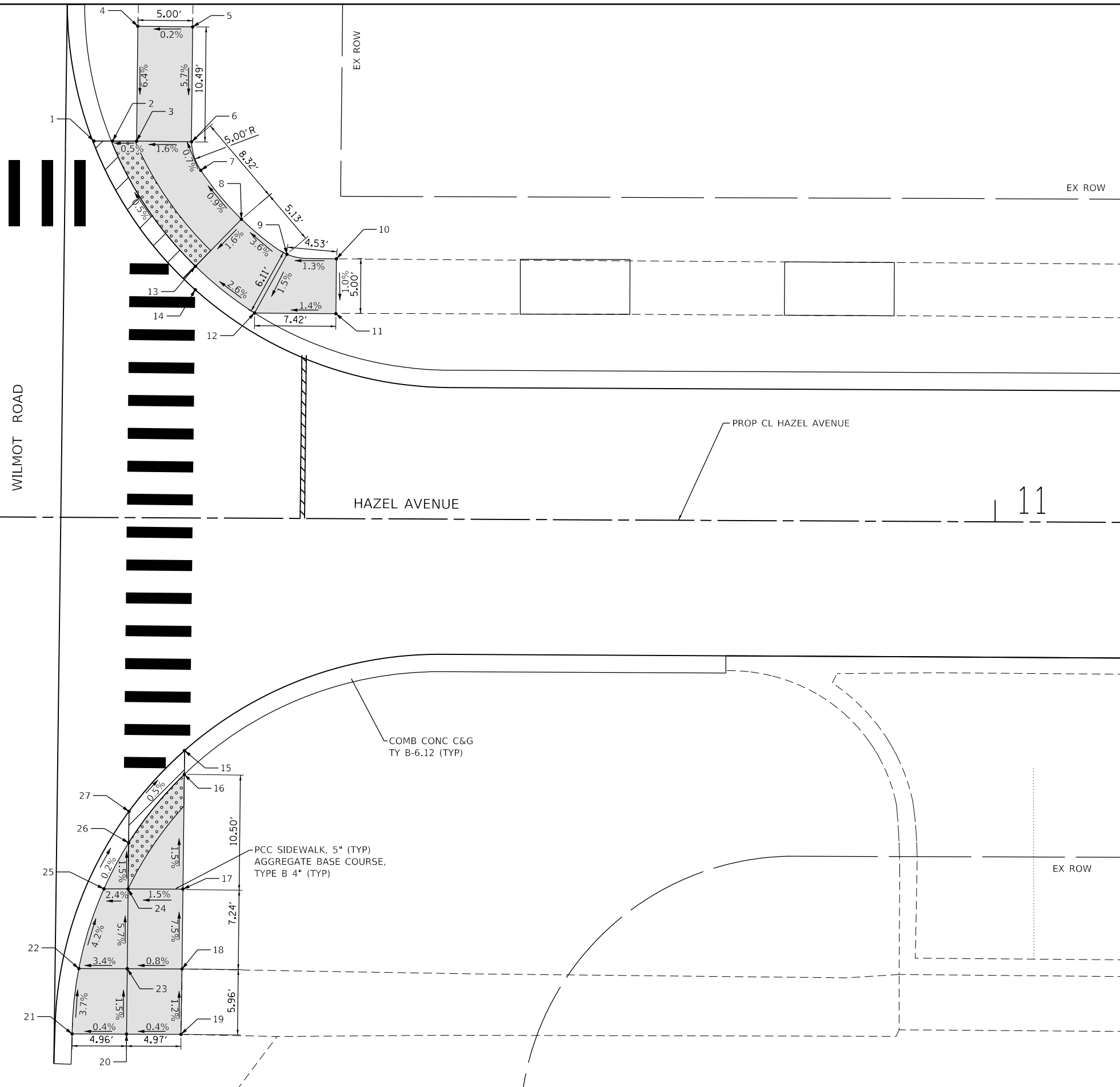
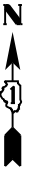
| | | |
|------------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
PROPOSED STREET LIGHTING DETAIL**

SCALE: NTS SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

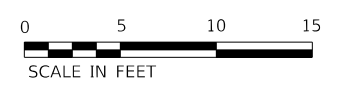
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|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 127 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

| ADA RAMPS WILMOT ROAD | | | |
|-----------------------|----------|----------|-----------|
| POINT NO. | STATION | OFFSET | ELEVATION |
| 1 | 10+17.56 | 34.32 LT | 658.38 |
| 2 | 10+19.26 | 34.32 LT | 658.37 |
| 3 | 10+21.56 | 34.32 LT | 658.38 |
| 4 | 10+21.63 | 44.80 LT | 658.85 |
| 5 | 10+26.63 | 44.76 LT | 658.86 |
| 6 | 10+26.57 | 34.29 LT | 658.45 |
| 7 | 10+27.41 | 31.73 LT | 658.44 |
| 8 | 10+31.15 | 27.26 LT | 658.40 |
| 9 | 10+35.32 | 24.08 LT | 658.52 |
| 10 | 10+39.83 | 23.69 LT | 658.58 |
| 11 | 10+39.82 | 18.69 LT | 658.53 |
| 12 | 10+32.40 | 18.71 LT | 658.43 |
| 13 | 10+26.99 | 22.94 LT | 658.33 |
| 14 | 10+26.97 | 20.80 LT | 658.34 |
| 15 | 10+26.20 | 21.21 RT | 658.80 |
| 16 | 10+26.19 | 23.38 RT | 658.74 |
| 17 | 10+26.12 | 36.12 RT | 658.92 |
| 18 | 10+26.07 | 41.12 RT | 659.30 |
| 19 | 10+26.00 | 47.08 RT | 659.37 |
| 20 | 10+21.04 | 47.09 RT | 659.35 |
| 21 | 10+16.08 | 47.09 RT | 659.33 |
| 22 | 10+16.67 | 41.13 RT | 659.11 |
| 23 | 10+21.07 | 41.12 RT | 659.26 |
| 24 | 10+21.12 | 33.85 RT | 658.84 |
| 25 | 10+18.92 | 33.86 RT | 658.79 |
| 26 | 10+21.15 | 29.64 RT | 658.78 |
| 27 | 10+21.17 | 26.79 RT | 658.84 |



MODEL: Default
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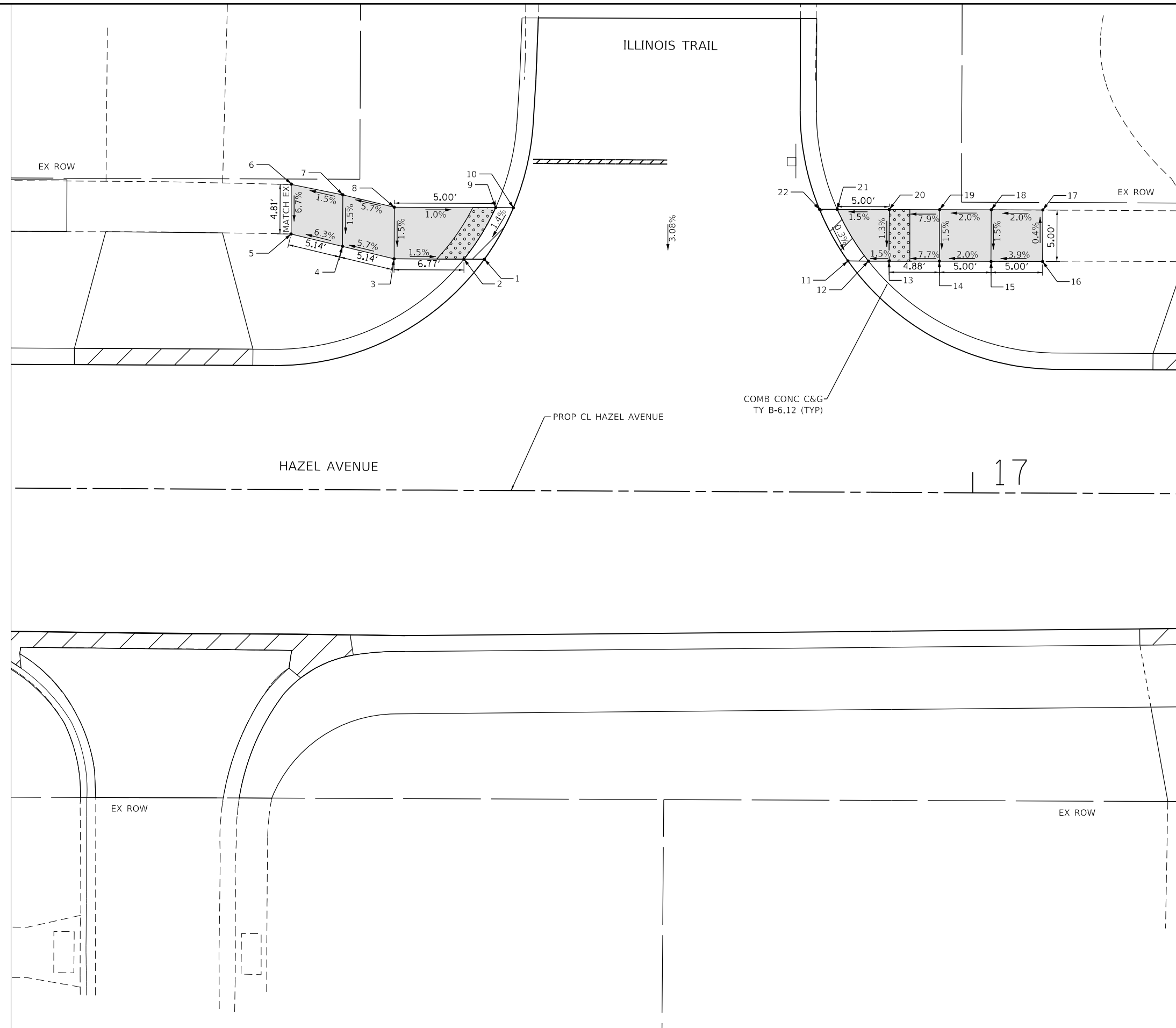


| | | |
|------------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | |
|----------------------------------|--|
| HAZEL AVENUE IMPROVEMENTS | |
| ADA RAMP DETAILS | |
| SCALE: 1"=5' | SHEET 01 OF 24 SHEETS STA. 10+02.73 TO STA. 11+11.97 |

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 128 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND

| | |
|--|--|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" |
| | AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

ADA RAMPS ILLINOIS TRAIL

| POINT NO. | STATION | OFFSET | ELEVATION |
|-----------|----------|----------|-----------|
| 1 | 16+52.56 | 22.40 LT | 658.12 |
| 2 | 16+50.58 | 22.40 LT | 658.06 |
| 3 | 16+43.80 | 22.40 LT | 658.16 |
| 4 | 16+38.80 | 23.58 LT | 657.87 |
| 5 | 16+33.80 | 24.76 LT | 657.55 |
| 6 | 16+33.80 | 29.56 LT | 657.87 |
| 7 | 16+38.80 | 28.58 LT | 657.95 |
| 8 | 16+43.80 | 27.40 LT | 658.24 |
| 9 | 16+53.63 | 27.40 LT | 658.14 |
| 10 | 16+55.35 | 27.40 LT | 658.20 |
| 11 | 16+87.80 | 22.40 LT | 658.55 |
| 12 | 16+89.78 | 22.40 LT | 658.49 |
| 13 | 16+91.78 | 22.41 LT | 658.52 |
| 14 | 16+96.66 | 22.42 LT | 658.89 |
| 15 | 17+01.66 | 22.43 LT | 659.00 |
| 16 | 17+06.66 | 22.44 LT | 659.19 |
| 17 | 17+06.66 | 27.44 LT | 659.17 |
| 18 | 17+01.66 | 27.43 LT | 659.07 |
| 19 | 16+96.66 | 27.42 LT | 658.97 |
| 20 | 16+91.78 | 27.40 LT | 658.59 |
| 21 | 16+86.74 | 27.40 LT | 658.51 |
| 22 | 16+85.02 | 27.39 LT | 658.57 |



MODEL: D:\p1\11...
 FILE NAME: E:\09-2024-006- Hazel Avenue Phase II_Design\BIDD_Sheets\14_ADA\20-00108-00-PV_SHT_ADA_002.dwg



| | | |
|-----------------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 1/8" = 10.0000' / 1" | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS

SCALE: 1"=5' SHEET 02 OF 24 SHEETS STA. 16+06.78 TO STA. 17+19.90

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1263 | 20-00108-00-PV | LAKE | 221 | 129 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

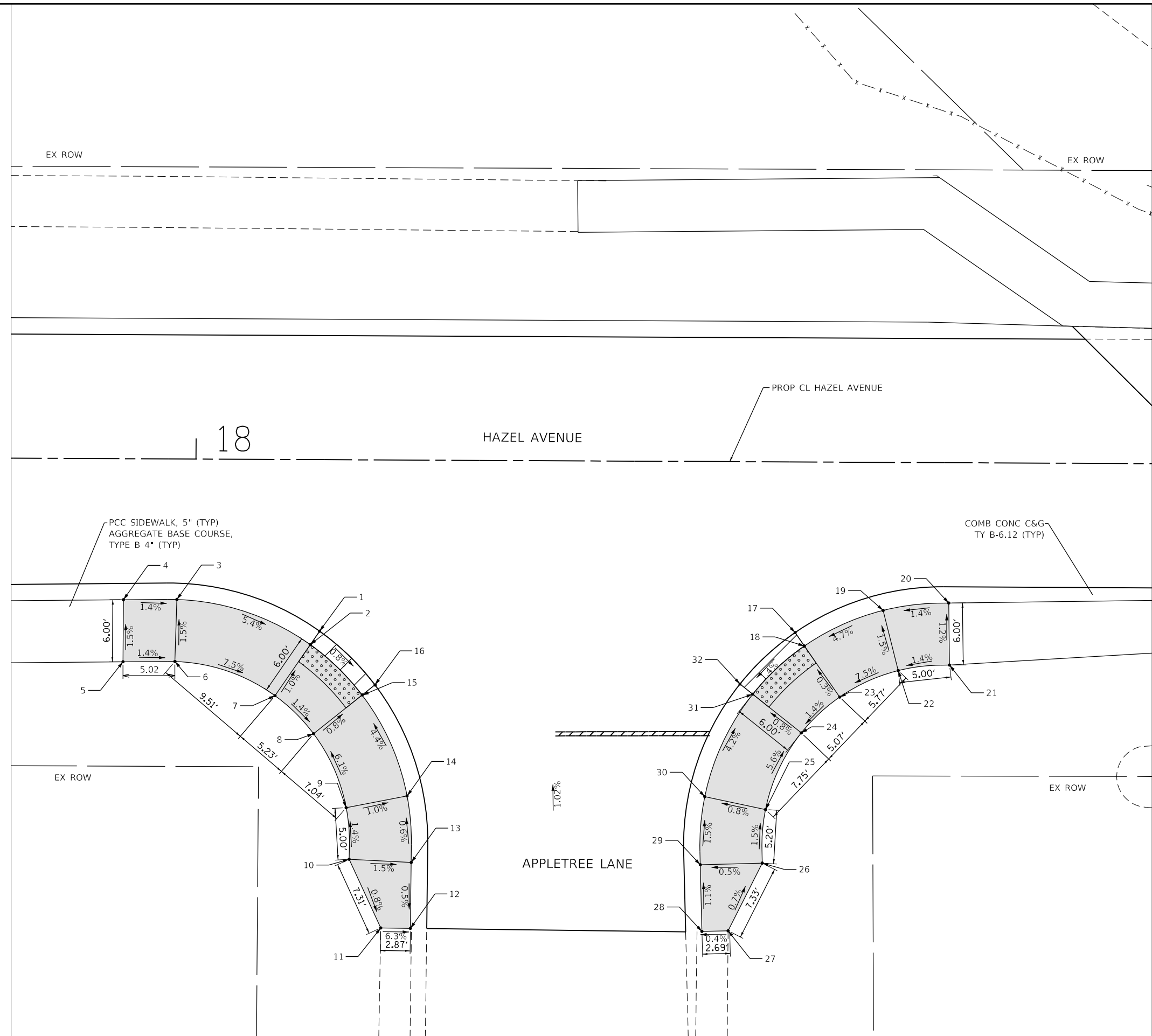


LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

ADA RAMPS APPLETREE LANE

| POINT NO. | STATION | OFFSET | ELEVATION |
|-----------|----------|----------|-----------|
| 1 | 18+12.03 | 16.59 RT | 659.49 |
| 2 | 18+11.14 | 17.90 RT | 659.48 |
| 3 | 17+98.21 | 13.59 RT | 660.19 |
| 4 | 17+93.05 | 13.64 RT | 660.26 |
| 5 | 17+93.04 | 19.64 RT | 660.35 |
| 6 | 17+98.04 | 19.59 RT | 660.28 |
| 7 | 18+07.75 | 22.85 RT | 659.54 |
| 8 | 18+11.50 | 26.51 RT | 659.47 |
| 9 | 18+14.68 | 33.64 RT | 659.94 |
| 10 | 18+15.00 | 38.64 RT | 660.01 |
| 11 | 18+18.08 | 45.26 RT | 660.07 |
| 12 | 18+20.95 | 45.28 RT | 659.89 |
| 13 | 18+21.00 | 38.91 RT | 659.92 |
| 14 | 18+20.57 | 32.48 RT | 659.88 |
| 15 | 18+16.17 | 22.75 RT | 659.42 |
| 16 | 18+17.41 | 21.76 RT | 659.43 |
| 17 | 18+58.01 | 16.50 RT | 659.52 |
| 18 | 18+58.91 | 17.80 RT | 659.51 |
| 19 | 18+66.55 | 14.31 RT | 659.90 |
| 20 | 18+72.85 | 13.57 RT | 659.99 |
| 21 | 18+72.96 | 19.56 RT | 660.06 |
| 22 | 18+68.00 | 20.12 RT | 659.99 |
| 23 | 18+62.35 | 22.72 RT | 659.53 |
| 24 | 18+58.65 | 26.20 RT | 659.46 |
| 25 | 18+55.23 | 33.63 RT | 659.92 |
| 26 | 18+54.94 | 38.82 RT | 660.00 |
| 27 | 18+51.67 | 45.37 RT | 660.05 |
| 28 | 18+49.14 | 45.45 RT | 660.04 |
| 29 | 18+48.95 | 39.00 RT | 659.97 |
| 30 | 18+49.35 | 32.41 RT | 659.87 |
| 31 | 18+53.94 | 22.48 RT | 659.41 |
| 32 | 18+52.70 | 21.50 RT | 659.42 |



MODEL: Default
 FILE NAME: E:\030-006-Hazel Avenue Phase II Deerfield\CADD_Sheets\14_ADA\20-00108-00-PV_SHT_ADA_003.dwg



| | | |
|----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000 "/in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS**

SCALE: 1"=5' SHEET 03 OF 24 SHEETS STA. 17+82.11 TO STA. 18+92.44

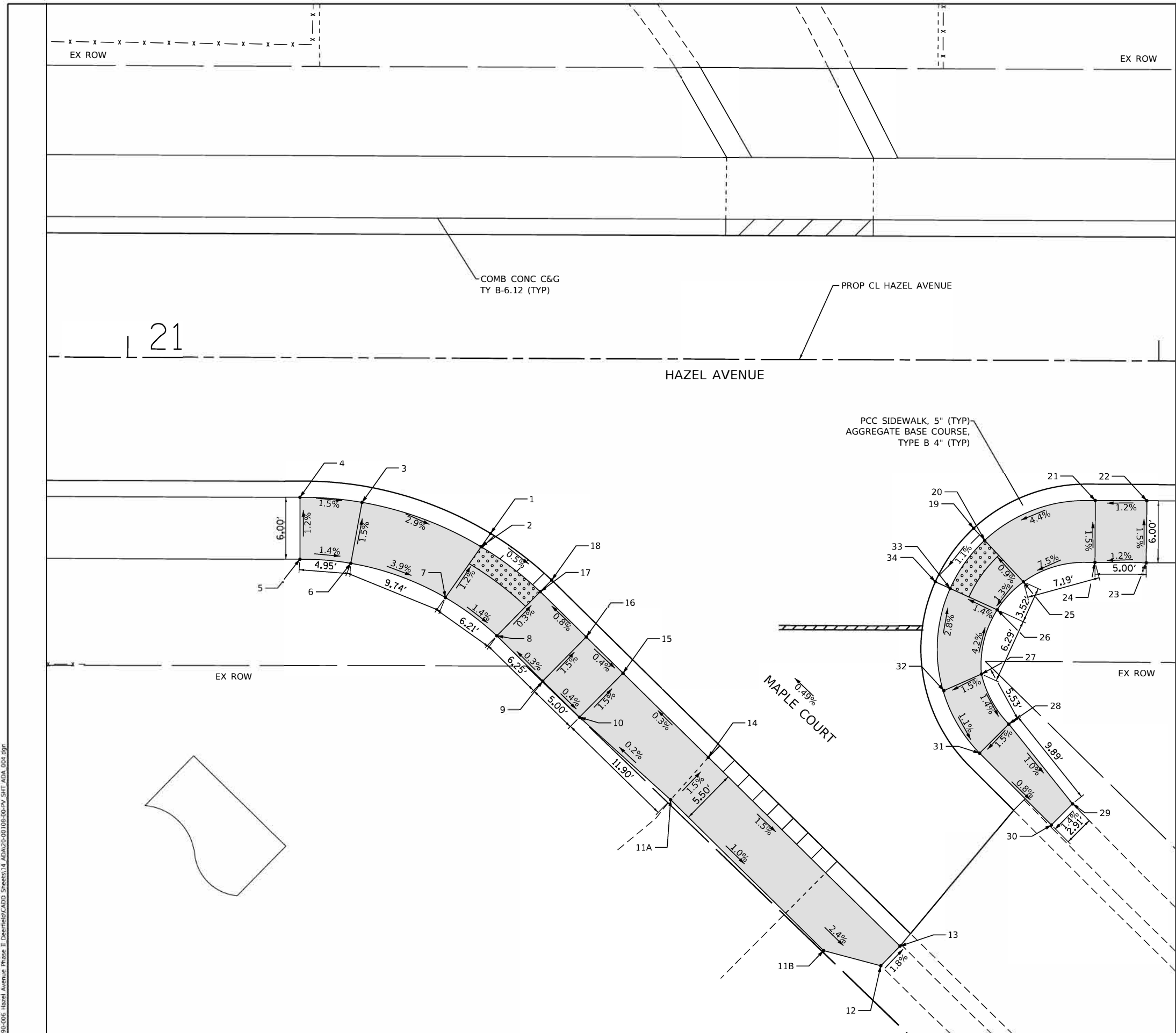
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|---------------------------|------------------------|-------------|--------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 130 |
| | | | CONTRACT NO. 61K74 | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" (TYP) AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

| ADA RAMPS MAPLE COURT | | | |
|-----------------------|----------|----------|-----------|
| POINT NO. | STATION | OFFSET | ELEVATION |
| 1 | 21+35.28 | 17.00 RT | 657.90 |
| 2 | 21+34.37 | 18.30 RT | 657.89 |
| 3 | 21+22.81 | 14.05 RT | 658.25 |
| 4 | 21+16.79 | 13.58 RT | 658.34 |
| 5 | 21+16.82 | 19.58 RT | 658.41 |
| 6 | 21+21.75 | 19.95 RT | 658.34 |
| 7 | 21+30.93 | 23.24 RT | 657.96 |
| 8 | 21+35.92 | 26.93 RT | 657.87 |
| 9 | 21+40.40 | 31.29 RT | 657.89 |
| 10 | 21+43.97 | 34.79 RT | 657.87 |
| 11A | 21+52.83 | 42.75 RT | 657.89 |
| 11B | 21+67.72 | 57.31 RT | 657.69 |
| 12 | 21+73.26 | 58.76 RT | 657.48 |
| 13 | 21+75.11 | 56.85 RT | 657.43 |
| 14 | 21+56.47 | 38.62 RT | 657.81 |
| 15 | 21+48.17 | 30.50 RT | 657.78 |
| 16 | 21+44.59 | 27.00 RT | 657.80 |
| 17 | 21+40.12 | 22.63 RT | 657.85 |
| 18 | 21+41.22 | 21.51 RT | 657.86 |
| 19 | 21+82.09 | 16.33 RT | 657.58 |
| 20 | 21+83.17 | 17.48 RT | 657.57 |
| 21 | 21+93.87 | 13.58 RT | 658.07 |
| 22 | 21+98.87 | 13.58 RT | 658.13 |
| 23 | 21+98.87 | 19.58 RT | 658.22 |
| 24 | 21+93.87 | 19.58 RT | 658.16 |
| 25 | 21+86.94 | 21.50 RT | 657.62 |
| 26 | 21+84.41 | 24.22 RT | 657.57 |
| 27 | 21+82.90 | 30.44 RT | 657.84 |
| 28 | 21+85.58 | 35.28 RT | 657.76 |
| 29 | 21+91.79 | 42.98 RT | 657.66 |
| 30 | 21+89.74 | 45.04 RT | 657.62 |
| 31 | 21+82.76 | 38.12 RT | 657.70 |
| 32 | 21+79.21 | 32.10 RT | 657.78 |
| 33 | 21+79.85 | 22.17 RT | 657.50 |
| 34 | 21+78.40 | 21.52 RT | 657.51 |



MODEL: Default
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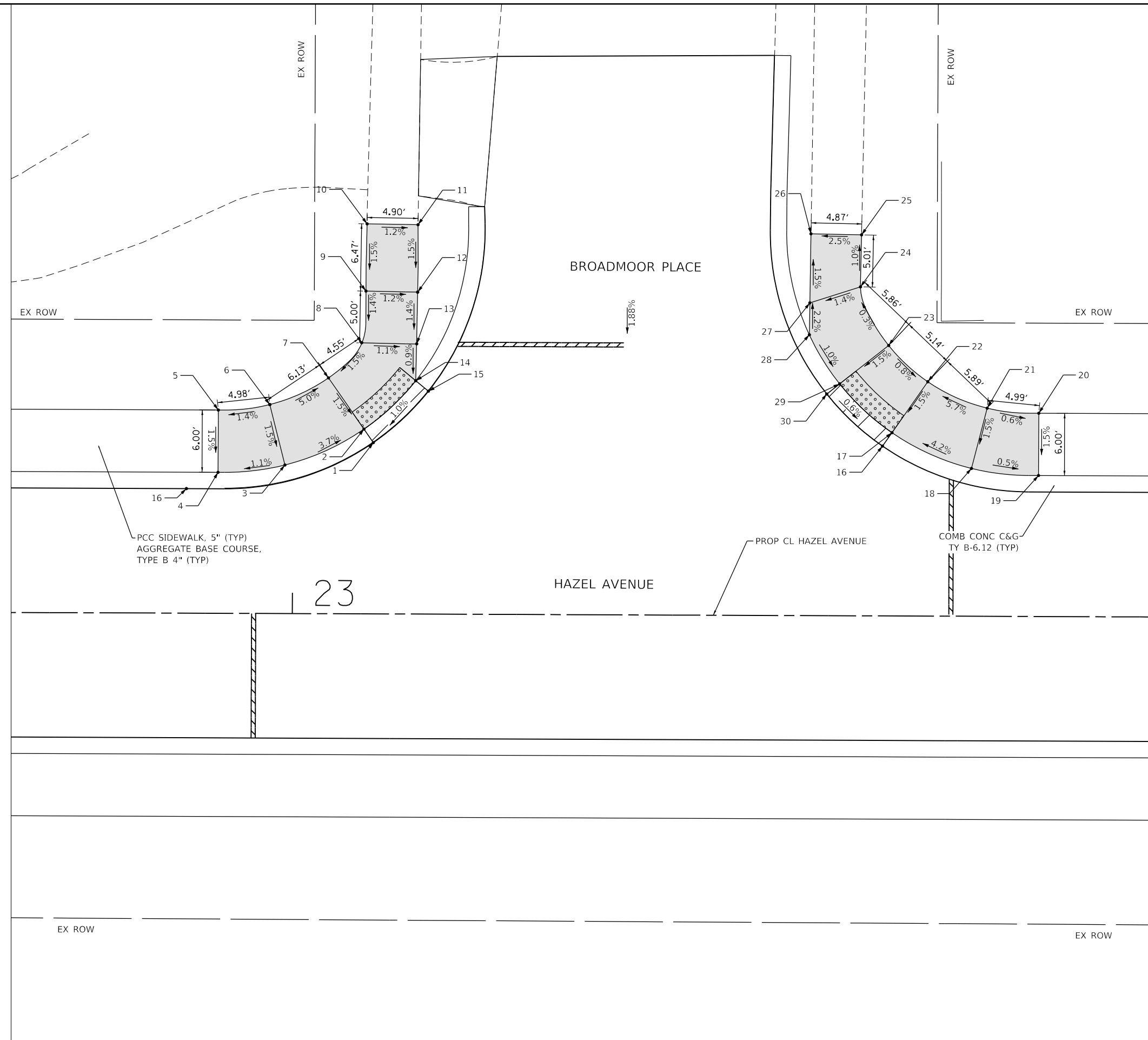
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|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED + |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS

SCALE: 1"=5' SHEET 04 OF 24 SHEETS STA. 20+92.12 TO STA. 22+01.60

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 131 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

ADA RAMPS BROADMOOR PLACE

| POINT NO. | STATION | OFFSET | ELEVATION |
|-----------|----------|----------|-----------|
| 1 | 23+07.74 | 16.50 LT | 657.64 |
| 2 | 23+06.83 | 17.80 LT | 657.63 |
| 3 | 22+99.24 | 14.31 LT | 657.94 |
| 4 | 22+92.79 | 13.58 LT | 657.87 |
| 5 | 22+92.80 | 13.58 LT | 657.96 |
| 6 | 22+97.75 | 20.12 LT | 658.03 |
| 7 | 23+03.40 | 22.72 LT | 657.72 |
| 8 | 23+06.60 | 26.10 LT | 657.79 |
| 9 | 23+06.98 | 31.10 LT | 657.86 |
| 10 | 23+07.06 | 37.57 LT | 657.96 |
| 11 | 23+11.96 | 37.51 LT | 657.90 |
| 12 | 23+11.95 | 31.01 LT | 657.80 |
| 13 | 23+11.87 | 26.01 LT | 657.73 |
| 14 | 23+11.80 | 22.48 LT | 657.70 |
| 15 | 23+13.02 | 21.48 LT | 657.71 |
| 16 | 23+56.79 | 16.37 LT | 657.35 |
| 17 | 23+57.70 | 17.66 LT | 657.34 |
| 18 | 23+65.38 | 14.24 LT | 657.69 |
| 19 | 23+71.84 | 13.58 LT | 657.66 |
| 20 | 23+71.84 | 19.58 LT | 657.75 |
| 21 | 23+66.87 | 20.06 LT | 657.78 |
| 22 | 23+61.14 | 22.58 LT | 657.43 |
| 23 | 23+57.36 | 26.06 LT | 657.47 |
| 24 | 23+54.62 | 31.69 LT | 657.45 |
| 25 | 23+54.70 | 36.69 LT | 657.40 |
| 26 | 23+49.83 | 36.78 LT | 657.28 |
| 27 | 23+49.75 | 30.13 LT | 657.38 |
| 28 | 23+49.71 | 27.05 LT | 657.44 |
| 29 | 23+52.65 | 22.33 LT | 657.38 |
| 30 | 23+51.41 | 22.36 LT | 657.39 |



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| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS

SCALE: 1"=5' SHEET 05 OF 24 SHEETS STA. 22+72.90 TO STA. 23+82.54

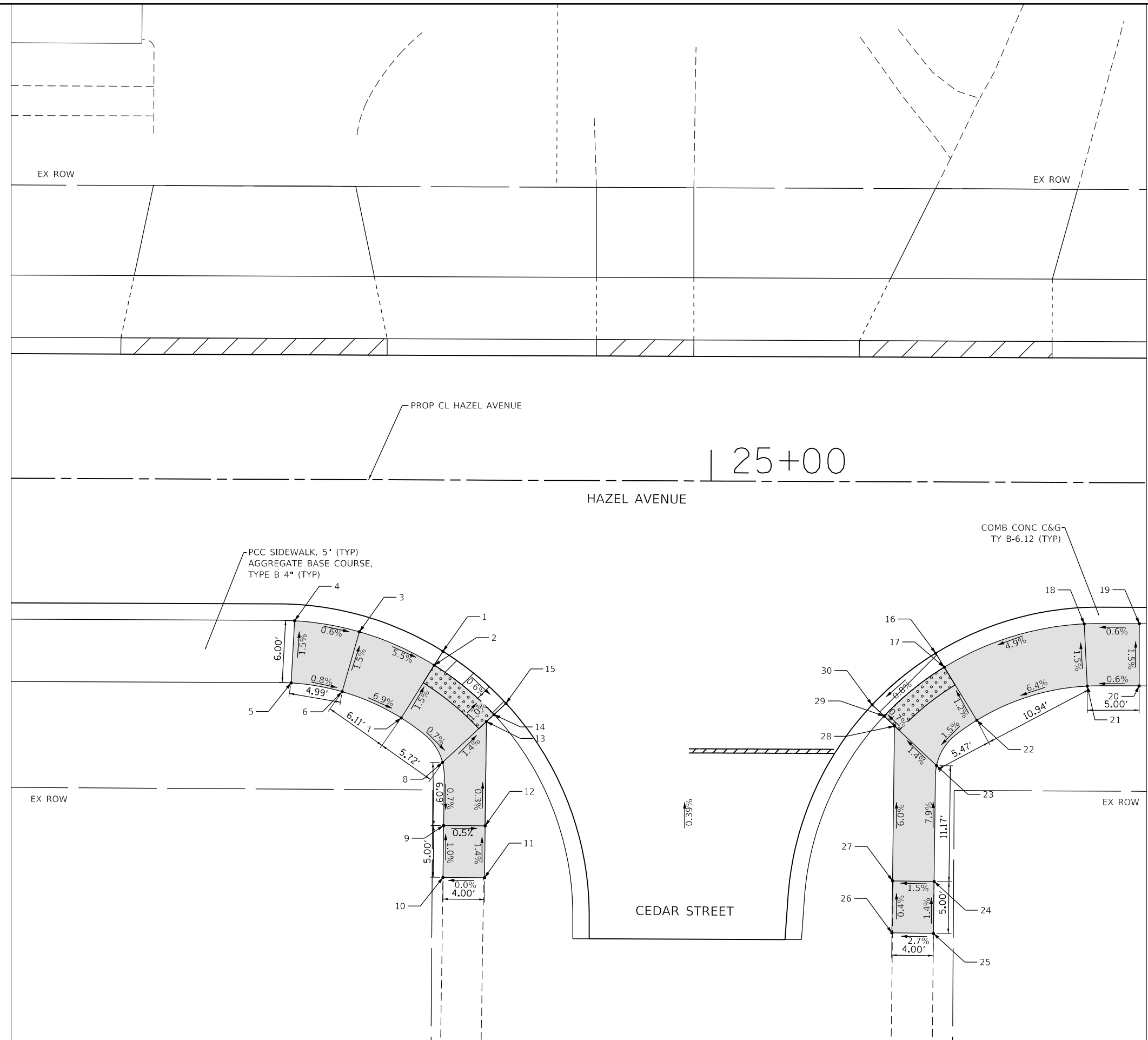
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|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 132 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

| ADA RAMPS CEDAR STREET | | | |
|------------------------|----------|----------|-----------|
| POINT NO. | STATION | OFFSET | ELEVATION |
| 1 | 24+74.23 | 16.50 RT | 657.12 |
| 2 | 24+73.40 | 17.84 RT | 657.11 |
| 3 | 24+66.18 | 14.66 RT | 657.54 |
| 4 | 24+59.94 | 13.62 RT | 657.58 |
| 5 | 24+59.62 | 19.62 RT | 657.67 |
| 6 | 24+64.54 | 20.43 RT | 657.63 |
| 7 | 24+70.24 | 22.95 RT | 657.20 |
| 8 | 24+74.24 | 27.20 RT | 657.15 |
| 9 | 24+74.37 | 33.29 RT | 657.12 |
| 10 | 24+74.33 | 38.28 RT | 657.17 |
| 11 | 24+78.33 | 38.30 RT | 657.17 |
| 12 | 24+78.37 | 33.30 RT | 657.10 |
| 13 | 24+78.45 | 23.26 RT | 657.07 |
| 14 | 24+79.18 | 22.58 RT | 657.06 |
| 15 | 24+80.33 | 21.50 RT | 657.07 |
| 16 | 25+21.73 | 16.54 RT | 657.22 |
| 17 | 25+22.56 | 17.88 RT | 657.21 |
| 18 | 25+36.01 | 13.68 RT | 657.90 |
| 19 | 25+41.32 | 13.58 RT | 657.93 |
| 20 | 25+41.32 | 19.58 RT | 658.02 |
| 21 | 25+36.33 | 19.67 RT | 657.99 |
| 22 | 25+25.72 | 22.98 RT | 657.28 |
| 23 | 25+21.84 | 27.33 RT | 657.24 |
| 24 | 25+21.64 | 38.49 RT | 658.12 |
| 25 | 25+21.60 | 43.49 RT | 658.19 |
| 26 | 25+17.60 | 43.46 RT | 658.08 |
| 27 | 25+17.64 | 38.46 RT | 658.06 |
| 28 | 25+17.77 | 23.53 RT | 657.16 |
| 29 | 25+16.79 | 22.60 RT | 657.15 |
| 30 | 25+16.63 | 21.52 RT | 657.16 |



MODEL: D:\p\bl\100-006-Hazel Avenue Phase II Deerfield\CADD_Sheets\14_ADA\20-00108-00-PV_SHT_ADA_006.dwg
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| | | |
|------------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | | |
|----------------------------------|--|-----------------------|----------------|--------------------------------|--------------|--------------------|
| HAZEL AVENUE IMPROVEMENTS | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ADA RAMP DETAILS | | 1263 | 20-00108-00-PV | LAKE | 221 | 133 |
| SCALE: 1"=5' | | SHEET 06 OF 24 SHEETS | | STA. 24+62.55 TO STA. 25+41.95 | | CONTRACT NO. 61K74 |

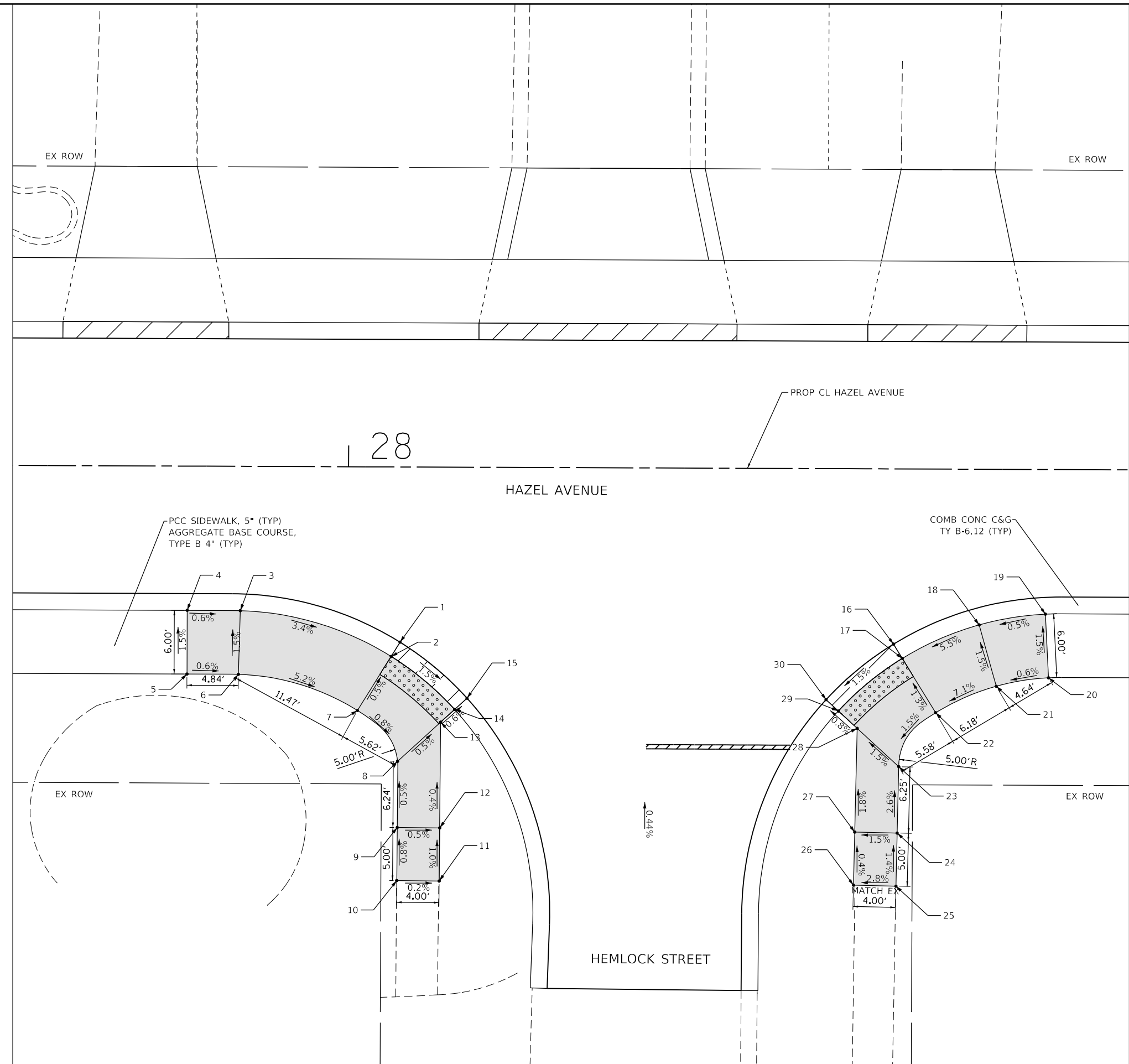
| | |
|----------|------------------|
| ILLINOIS | FED. AID PROJECT |
|----------|------------------|



LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

| ADA RAMPS HEMLOCK STREET | | | |
|--------------------------|----------|----------|-----------|
| POINT NO. | STATION | OFFSET | ELEVATION |
| 1 | 28+04.91 | 16.50 RT | 658.64 |
| 2 | 28+04.08 | 17.84 RT | 658.63 |
| 3 | 27+89.85 | 13.59 RT | 659.17 |
| 4 | 27+84.85 | 13.58 RT | 659.20 |
| 5 | 27+84.85 | 19.58 RT | 659.29 |
| 6 | 27+89.70 | 19.59 RT | 659.26 |
| 7 | 28+00.90 | 22.94 RT | 658.60 |
| 8 | 28+04.72 | 27.72 RT | 658.55 |
| 9 | 28+04.71 | 33.95 RT | 658.58 |
| 10 | 28+04.69 | 38.95 RT | 658.62 |
| 11 | 28+08.69 | 38.97 RT | 658.61 |
| 12 | 28+08.71 | 33.97 RT | 658.56 |
| 13 | 28+08.77 | 24.01 RT | 658.52 |
| 14 | 28+10.06 | 22.83 RT | 658.51 |
| 15 | 28+11.22 | 21.76 RT | 658.52 |
| 16 | 28+51.39 | 16.50 RT | 659.07 |
| 17 | 28+52.22 | 17.84 RT | 659.06 |
| 18 | 28+59.45 | 14.66 RT | 659.49 |
| 19 | 28+65.68 | 13.62 RT | 659.52 |
| 20 | 28+66.00 | 19.61 RT | 659.62 |
| 21 | 28+61.08 | 20.43 RT | 659.58 |
| 22 | 28+55.38 | 22.94 RT | 659.15 |
| 23 | 28+51.93 | 28.04 RT | 659.10 |
| 24 | 28+51.80 | 34.29 RT | 659.21 |
| 25 | 28+51.71 | 39.29 RT | 659.28 |
| 26 | 28+47.71 | 39.21 RT | 659.17 |
| 27 | 28+47.80 | 34.21 RT | 659.15 |
| 28 | 28+48.00 | 24.44 RT | 658.97 |
| 29 | 28+46.24 | 22.83 RT | 658.96 |
| 30 | 28+45.07 | 21.77 RT | 658.97 |



MODEL: D:\p1\11...
 FILE NAME: P:\030-006-Hazel Avenue Phase II Deerfield\CADD_Sheets\14_ADA\20-00108-00-PV_SHT_ADA_007.dwg

| | | | |
|--|-----------------------------------|-----------------|-----------|
| | USER NAME = gellwanger | DESIGNED - | REVISED - |
| | PLOT SCALE = 1/10,000' = 1" / in. | DRAWN - | REVISED - |
| | PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS

SCALE: 1"=5' SHEET 07 OF 24 SHEETS STA. 27+68.36 TO STA. 28+73.52

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 134 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

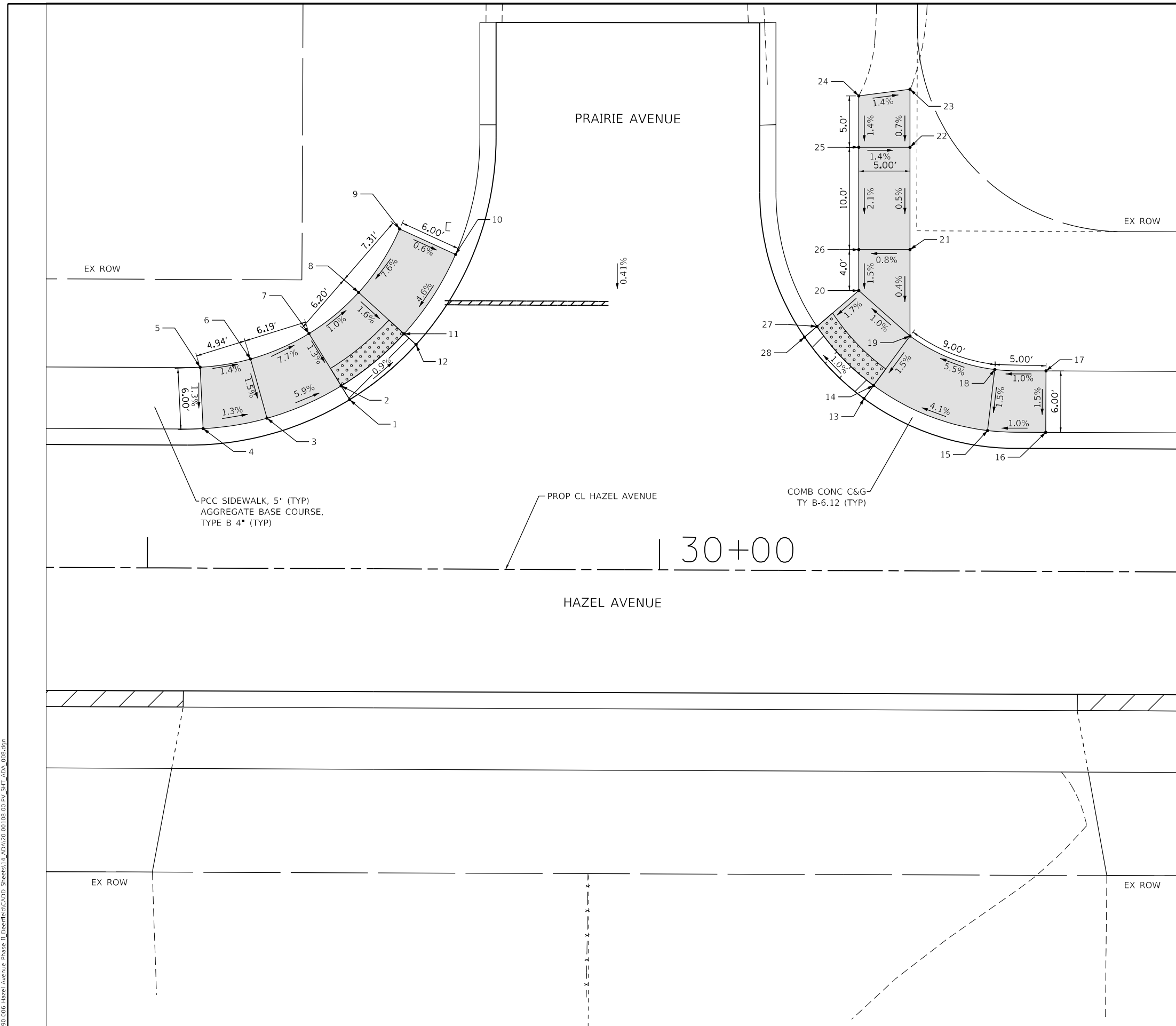
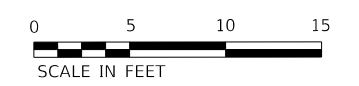


LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

ADA RAMPS PRAIRIE STREET

| POINT NO. | STATION | OFFSET | ELEVATION |
|-----------|----------|----------|-----------|
| 1 | 29+69.69 | 16.50 LT | 659.29 |
| 2 | 29+68.86 | 17.84 LT | 659.28 |
| 3 | 29+61.63 | 14.66 LT | 659.74 |
| 4 | 29+55.39 | 13.62 LT | 659.82 |
| 5 | 29+55.08 | 19.61 LT | 659.90 |
| 6 | 29+60.00 | 20.43 LT | 659.83 |
| 7 | 29+65.70 | 22.94 LT | 659.36 |
| 8 | 29+70.26 | 26.68 LT | 659.30 |
| 9 | 29+74.50 | 33.19 LT | 659.67 |
| 10 | 29+79.97 | 30.72 LT | 659.63 |
| 11 | 29+74.64 | 22.58 LT | 659.21 |
| 12 | 29+75.79 | 21.50 LT | 659.22 |
| 13 | 30+20.78 | 16.21 LT | 659.32 |
| 14 | 30+21.64 | 17.53 LT | 659.31 |
| 15 | 30+32.96 | 13.64 LT | 659.79 |
| 16 | 30+38.13 | 13.58 LT | 659.84 |
| 17 | 30+38.45 | 19.58 LT | 659.93 |
| 18 | 30+33.39 | 19.63 LT | 659.88 |
| 19 | 30+24.93 | 22.55 LT | 659.37 |
| 20 | 30+21.02 | 26.16 LT | 659.33 |
| 21 | 30+18.28 | 31.04 LT | 659.74 |
| 22 | 30+24.31 | 41.37 LT | 659.79 |
| 23 | 30+21.46 | 42.67 LT | 659.83 |
| 24 | 30+19.01 | 45.86 LT | 659.93 |
| 25 | 30+19.31 | 41.35 LT | 659.86 |
| 26 | 30+13.07 | 28.32 LT | 659.65 |
| 27 | 30+16.39 | 22.34 LT | 659.24 |
| 28 | 30+15.18 | 21.33 LT | 659.25 |



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|--|-----------------------------|-----------------|-----------|
| | USER NAME = gellwanger | DESIGNED - | REVISED - |
| | PLOT SCALE = 10.0000' / in. | DRAWN - | REVISED - |
| | PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS

SCALE: 1"=5' SHEET 08 OF 24 SHEETS STA. 29+28.39 TO STA. 30+38.91




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|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 135 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

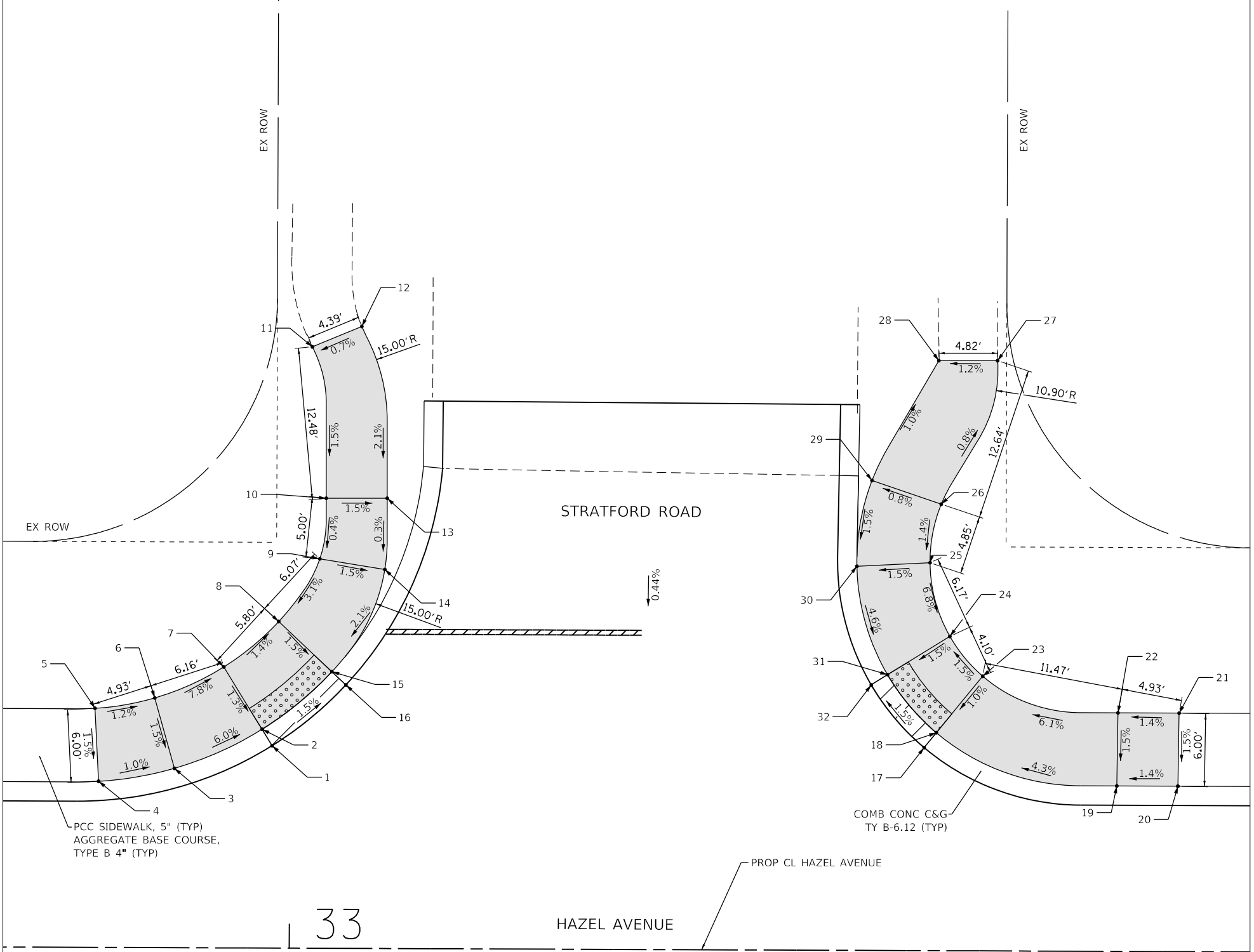
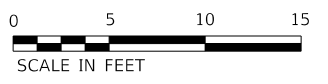


| ADA RAMPS STRATFORD ROAD | | | |
|--------------------------|----------|----------|-----------|
| POINT NO. | STATION | OFFSET | ELEVATION |
| 1 | 32+98.53 | 16.62 LT | 659.80 |
| 2 | 32+97.70 | 17.96 LT | 659.79 |
| 3 | 32+90.52 | 14.72 LT | 660.26 |
| 4 | 32+84.30 | 13.63 LT | 660.32 |
| 5 | 32+83.98 | 19.63 LT | 660.41 |
| 6 | 32+88.89 | 20.50 LT | 660.35 |
| 7 | 32+94.53 | 23.06 LT | 659.87 |
| 8 | 32+99.03 | 26.81 LT | 659.79 |
| 9 | 33+02.38 | 31.97 LT | 659.98 |
| 10 | 33+02.89 | 36.94 LT | 660.04 |
| 11 | 33+01.70 | 49.37 LT | 660.23 |
| 12 | 33+05.75 | 51.06 LT | 660.26 |
| 13 | 33+07.89 | 36.96 LT | 659.96 |
| 14 | 33+07.72 | 31.12 LT | 659.90 |
| 15 | 33+03.41 | 22.71 LT | 659.70 |
| 16 | 33+04.56 | 21.63 LT | 659.71 |
| 17 | 33+52.04 | 16.66 LT | 659.76 |
| 18 | 33+53.03 | 17.89 LT | 659.75 |
| 19 | 33+67.85 | 13.58 LT | 660.41 |
| 20 | 33+72.86 | 13.58 LT | 660.48 |
| 21 | 33+72.94 | 19.58 LT | 660.57 |
| 22 | 33+67.93 | 19.58 LT | 660.50 |
| 23 | 33+56.81 | 22.55 LT | 659.81 |
| 24 | 33+54.11 | 25.80 LT | 659.75 |
| 25 | 33+52.45 | 31.84 LT | 660.17 |
| 26 | 33+53.35 | 36.65 LT | 660.24 |
| 27 | 33+57.93 | 48.45 LT | 660.14 |
| 28 | 33+53.11 | 48.44 LT | 660.08 |
| 29 | 33+47.67 | 38.58 LT | 660.19 |
| 30 | 33+46.46 | 31.54 LT | 660.08 |
| 31 | 33+49.00 | 22.64 LT | 659.66 |
| 32 | 33+47.66 | 21.81 LT | 659.67 |
| 33 | 32+98.30 | 16.50 RT | 659.82 |
| 34 | 32+97.40 | 17.80 RT | 659.81 |

| ADA RAMPS STRATFORD ROAD | | | |
|--------------------------|----------|----------|-----------|
| POINT NO. | STATION | OFFSET | ELEVATION |
| 35 | 32+89.80 | 14.31 RT | 660.27 |
| 36 | 32+83.36 | 13.58 RT | 660.32 |
| 37 | 32+83.36 | 19.58 RT | 660.41 |
| 38 | 32+88.29 | 20.20 RT | 660.36 |
| 39 | 32+93.98 | 22.73 RT | 659.90 |
| 40 | 32+97.66 | 26.20 RT | 659.84 |
| 41 | 33+01.12 | 33.83 RT | 660.14 |
| 42 | 33+01.48 | 38.23 RT | 660.10 |
| 43 | 33+01.87 | 48.22 RT | 659.85 |
| 44 | 33+05.17 | 53.09 RT | 659.69 |
| 45 | 33+08.07 | 52.98 RT | 659.60 |
| 46 | 33+07.47 | 37.99 RT | 660.01 |
| 47 | 33+07.01 | 32.71 RT | 660.05 |
| 48 | 33+02.37 | 22.48 RT | 659.75 |
| 49 | 33+03.61 | 21.50 RT | 659.76 |
| 50 | 33+51.81 | 16.51 RT | 659.92 |
| 51 | 33+52.71 | 17.80 RT | 659.91 |
| 52 | 33+60.31 | 14.31 RT | 660.40 |
| 53 | 33+66.75 | 13.58 RT | 660.48 |
| 54 | 33+66.75 | 19.58 RT | 660.54 |
| 55 | 33+61.82 | 20.12 RT | 660.47 |
| 56 | 33+56.14 | 22.73 RT | 659.98 |
| 57 | 33+52.45 | 26.21 RT | 659.91 |
| 58 | 33+49.53 | 31.69 RT | 660.19 |
| 59 | 33+48.69 | 36.60 RT | 660.12 |
| 60 | 33+49.04 | 46.38 RT | 659.92 |
| 61 | 33+46.19 | 51.49 RT | 659.80 |
| 62 | 33+43.23 | 51.59 RT | 659.72 |
| 63 | 33+42.71 | 36.47 RT | 660.03 |
| 64 | 33+43.82 | 29.86 RT | 660.11 |
| 65 | 33+47.74 | 22.49 RT | 659.82 |
| 66 | 33+46.50 | 21.51 RT | 659.83 |

LEGEND

-  DETECTABLE WARNINGS
-  PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP)
-  DEPRESSED CURB



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| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS**

SCALE: 1"=5' SHEET 09 OF 24 SHEETS STA. 32+67.95 TO STA. 33+70.29

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1263 | 20-00108-00-PV | LAKE | 221 | 136 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

AGGREGATE BASE COURSE,
TYPE B 4" (TYP)

PROP CL HAZEL AVENUE

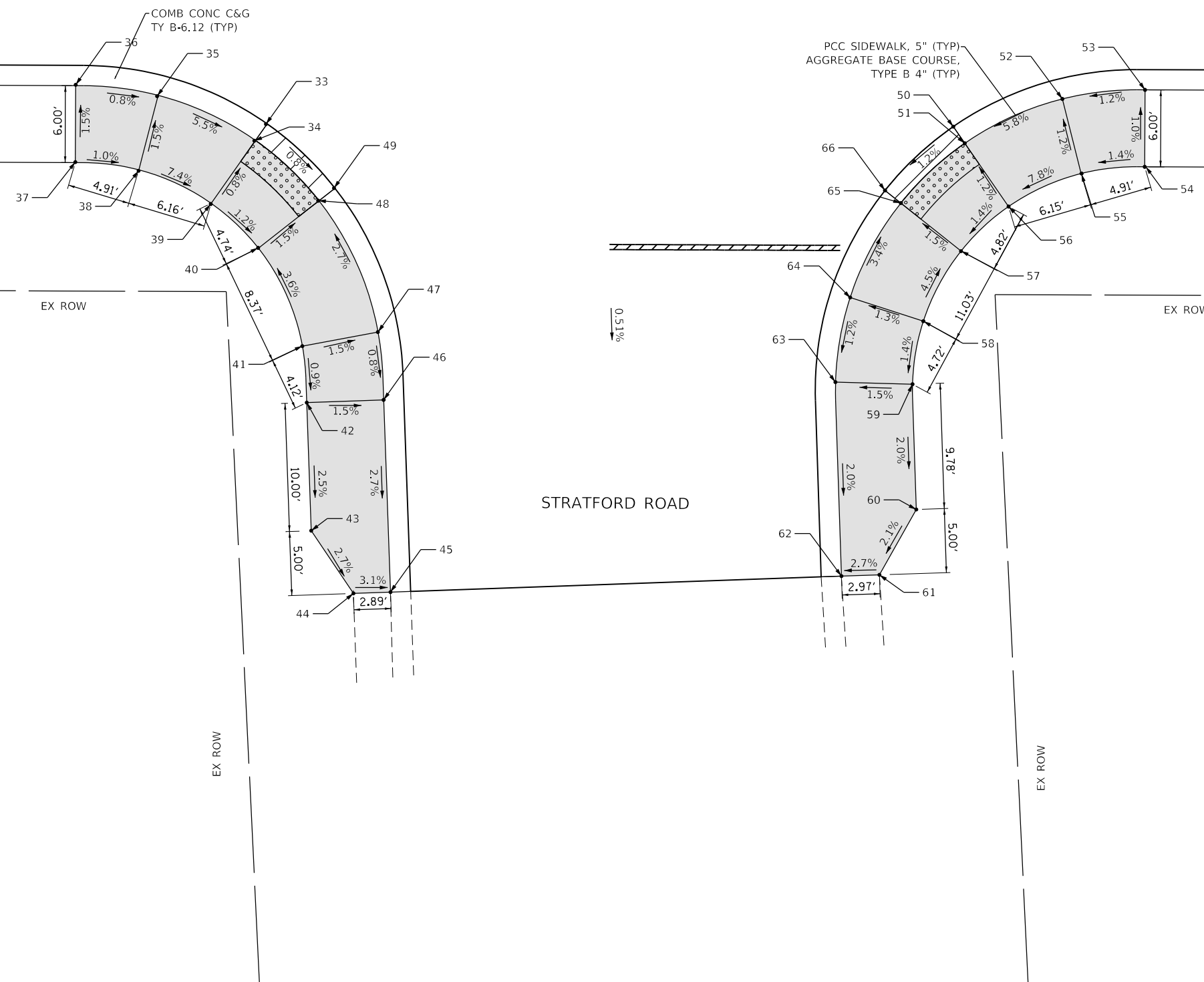
33

HAZEL AVENUE



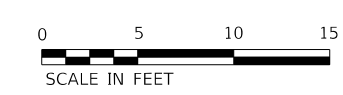
LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |



| ADA RAMPS STRATFORD ROAD | | | |
|--------------------------|----------|-----------|-----------|
| POINT NO. | STATION | OFFSET | ELEVATION |
| 1 | 32+98.53 | 16.62 LT | 659.80 |
| 2 | 32+97.70 | 17.96 LT | 659.79 |
| 3 | 32+90.52 | 14.72 LT | 660.26 |
| 4 | 32+84.30 | 13.63 LT | 660.32 |
| 5 | 32+83.98 | 19.63 LT | 660.41 |
| 6 | 32+88.89 | 20.50 LT | 660.35 |
| 7 | 32+94.53 | 23.06 LT | 659.87 |
| 8 | 32+99.03 | 26.81 LT | 659.79 |
| 9 | 33+02.55 | 31.88 LT | 660.19 |
| 10 | 33+04.28 | 36.50 LT | 660.21 |
| 11 | 33+03.60 | 46.58 LT | 660.24 |
| 12 | 33+06.92 | 48.96 L T | 660.15 |
| 13 | 33+10.09 | 35.02 LT | 660.12 |
| 14 | 33+07.89 | 29.14 LT | 660.10 |
| 15 | 33+03.41 | 22.71 LT | 659.70 |
| 16 | 33+04.56 | 21.63 LT | 659.71 |
| 17 | 33+52.04 | 16.66 LT | 659.76 |
| 18 | 33+53.03 | 17.89 LT | 659.75 |
| 19 | 33+67.85 | 13.58 LT | 660.41 |
| 20 | 33+72.86 | 13.58 LT | 660.48 |
| 21 | 33+72.94 | 19.58 LT | 660.57 |
| 22 | 33+67.93 | 19.58 LT | 660.50 |
| 23 | 33+56.81 | 22.55 LT | 659.81 |
| 24 | 33+54.11 | 25.80 LT | 659.75 |
| 25 | 33+52.45 | 31.84 LT | 660.17 |
| 26 | 33+53.35 | 36.65 LT | 660.24 |
| 27 | 33+57.93 | 48.45 LT | 660.14 |
| 28 | 33+53.11 | 48.44 LT | 660.08 |
| 29 | 33+47.67 | 38.58 LT | 660.19 |
| 30 | 33+46.46 | 31.54 LT | 660.08 |
| 31 | 33+49.00 | 22.64 LT | 659.66 |
| 32 | 33+47.66 | 21.81 LT | 659.67 |
| 33 | 32+98.30 | 16.50 RT | 659.82 |

| ADA RAMPS STRATFORD ROAD | | | |
|--------------------------|----------|----------|-----------|
| POINT NO. | STATION | OFFSET | ELEVATION |
| 34 | 32+97.40 | 17.80 RT | 659.81 |
| 35 | 32+89.80 | 14.31 RT | 660.27 |
| 36 | 32+83.36 | 13.58 RT | 660.32 |
| 37 | 32+83.36 | 19.58 RT | 660.41 |
| 38 | 32+88.29 | 20.20 RT | 660.36 |
| 39 | 32+93.98 | 22.73 RT | 659.90 |
| 40 | 32+97.66 | 26.20 RT | 659.84 |
| 41 | 33+01.12 | 33.83 RT | 660.14 |
| 42 | 33+01.48 | 38.23 RT | 660.10 |
| 43 | 33+01.87 | 48.22 RT | 659.85 |
| 44 | 33+05.17 | 53.09 RT | 659.69 |
| 45 | 33+08.07 | 52.98 RT | 659.60 |
| 46 | 33+07.47 | 37.99 RT | 660.01 |
| 47 | 33+07.01 | 32.71 RT | 660.05 |
| 48 | 33+02.37 | 22.48 RT | 659.75 |
| 49 | 33+03.61 | 21.50 RT | 659.76 |
| 50 | 33+51.81 | 16.51 RT | 659.92 |
| 51 | 33+52.71 | 17.80 RT | 659.91 |
| 52 | 33+60.31 | 14.31 RT | 660.40 |
| 53 | 33+66.75 | 13.58 RT | 660.48 |
| 54 | 33+66.75 | 19.58 RT | 660.54 |
| 55 | 33+61.82 | 20.12 RT | 660.47 |
| 56 | 33+56.14 | 22.73 RT | 659.98 |
| 57 | 33+52.45 | 26.21 RT | 659.91 |
| 58 | 33+49.53 | 31.69 RT | 660.19 |
| 59 | 33+48.69 | 36.60 RT | 660.12 |
| 60 | 33+49.04 | 46.38 RT | 659.92 |
| 61 | 33+46.19 | 51.49 RT | 659.80 |
| 62 | 33+43.23 | 51.59 RT | 659.72 |
| 63 | 33+42.71 | 36.47 RT | 660.03 |
| 64 | 33+43.82 | 29.86 RT | 660.11 |
| 65 | 33+47.74 | 22.49 RT | 659.82 |
| 66 | 33+46.50 | 21.51 RT | 659.83 |



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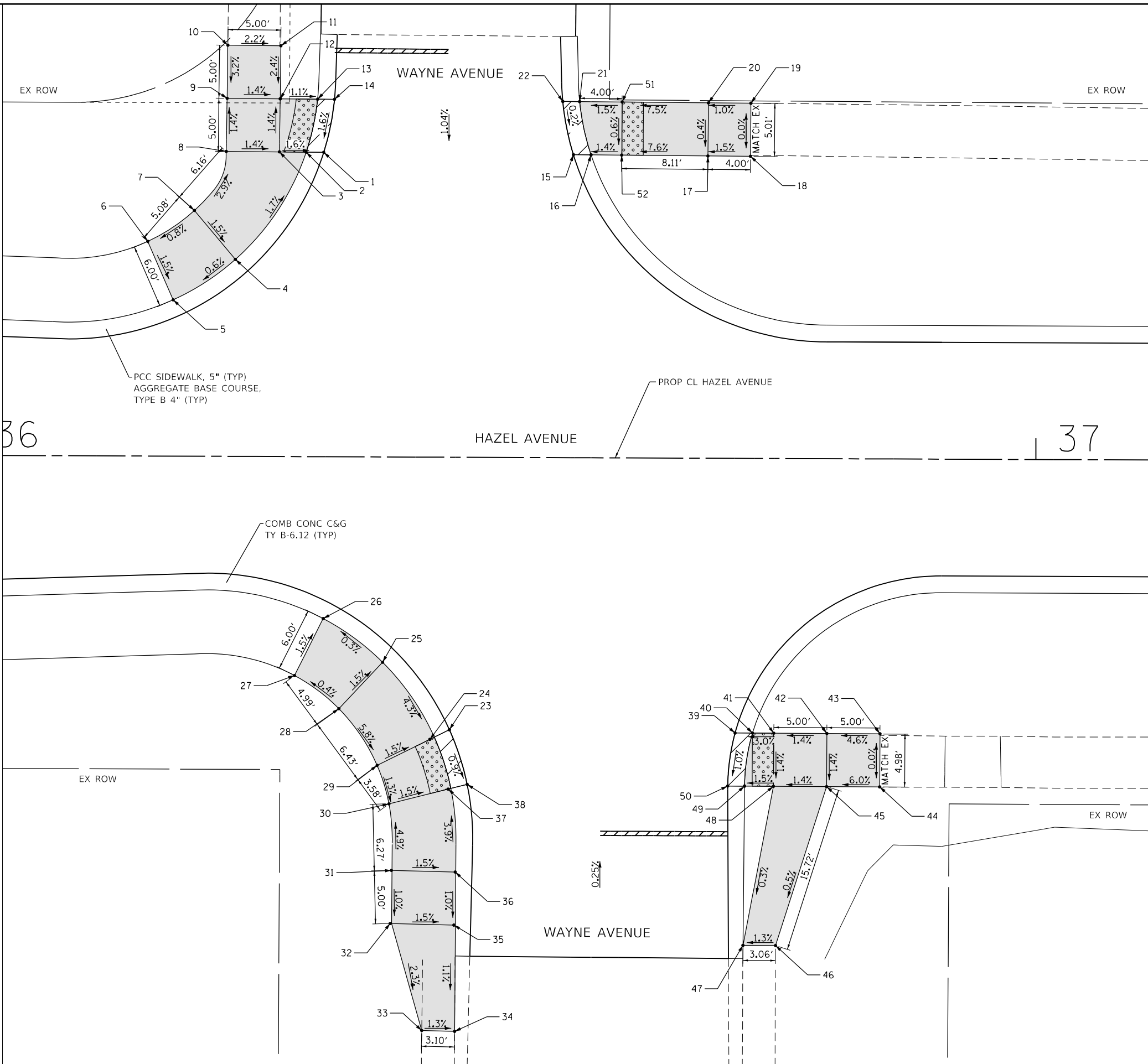
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|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

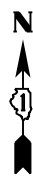
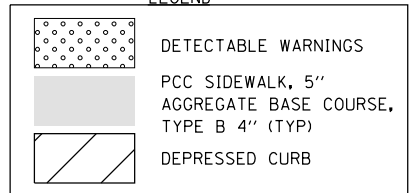
HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS

SCALE: 1"=5' SHEET 10 OF 24 SHEETS STA. 32+67.95 TO STA. 33+70.29

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 137 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND



| ADA RAMPS WAYNE AVENUE (POTOMAC) | | | |
|----------------------------------|----------|----------|-----------|
| POINT NO. | STATION | OFFSET | ELEVATION |
| 1 | 36+32.86 | 28.66 LT | 662.03 |
| 2 | 36+31.21 | 28.67 LT | 662.02 |
| 3 | 36+28.68 | 28.68 LT | 662.06 |
| 4 | 36+24.58 | 18.55 LT | 662.22 |
| 5 | 36+18.74 | 14.72 LT | 662.18 |
| 6 | 36+16.33 | 20.21 LT | 662.27 |
| 7 | 36+20.71 | 23.14 LT | 662.31 |
| 8 | 36+23.68 | 28.71 LT | 662.13 |
| 9 | 36+23.75 | 33.71 LT | 662.06 |
| 10 | 36+23.79 | 38.71 LT | 662.22 |
| 11 | 36+28.79 | 38.68 LT | 662.11 |
| 12 | 36+28.75 | 33.68 LT | 661.99 |
| 13 | 36+32.27 | 33.67 LT | 661.95 |
| 14 | 36+33.85 | 33.66 LT | 661.96 |
| 15 | 36+56.36 | 28.53 LT | 662.06 |
| 16 | 36+58.02 | 28.52 LT | 662.05 |
| 17 | 36+69.02 | 28.46 LT | 662.71 |
| 18 | 36+73.02 | 28.44 LT | 662.77 |
| 19 | 36+73.05 | 33.44 LT | 662.77 |
| 20 | 36+69.05 | 33.46 LT | 662.73 |
| 21 | 36+56.93 | 33.53 LT | 662.06 |
| 22 | 36+55.34 | 33.54 LT | 662.07 |
| 23 | 36+44.90 | 25.66 RT | 662.06 |
| 24 | 36+43.49 | 26.36 RT | 662.05 |
| 25 | 36+38.59 | 19.33 RT | 662.42 |
| 26 | 36+32.98 | 15.24 RT | 662.40 |
| 27 | 36+30.30 | 20.61 RT | 662.49 |
| 28 | 36+34.50 | 23.72 RT | 662.51 |
| 29 | 36+38.11 | 29.04 RT | 662.14 |
| 30 | 36+39.24 | 32.66 RT | 662.09 |
| 31 | 36+39.55 | 38.93 RT | 662.40 |
| 32 | 36+39.55 | 43.93 RT | 662.35 |
| 33 | 36+42.41 | 53.99 RT | 662.11 |
| 34 | 36+45.51 | 54.06 RT | 662.15 |
| 35 | 36+45.54 | 44.05 RT | 662.26 |
| 36 | 36+45.55 | 39.05 RT | 662.31 |
| 37 | 36+45.06 | 31.19 RT | 662.00 |
| 38 | 36+46.59 | 30.80 RT | 662.01 |
| 39 | 36+71.80 | 25.86 RT | 662.36 |
| 40 | 36+73.44 | 25.86 RT | 662.35 |
| 41 | 36+75.44 | 25.86 RT | 662.41 |
| 42 | 36+80.44 | 25.87 RT | 662.48 |
| 43 | 36+85.44 | 25.88 RT | 662.71 |
| 44 | 36+85.43 | 30.88 RT | 662.71 |
| 45 | 36+80.43 | 30.87 RT | 662.41 |
| 46 | 36+75.68 | 45.86 RT | 662.33 |
| 47 | 36+72.61 | 45.89 RT | 662.29 |
| 48 | 36+75.43 | 30.86 RT | 662.34 |
| 49 | 36+72.70 | 30.86 RT | 662.30 |
| 50 | 36+71.12 | 30.86 RT | 662.31 |
| 51 | 36+60.93 | 33.51 LT | 662.12 |
| 52 | 36+60.91 | 28.51 LT | 662.09 |



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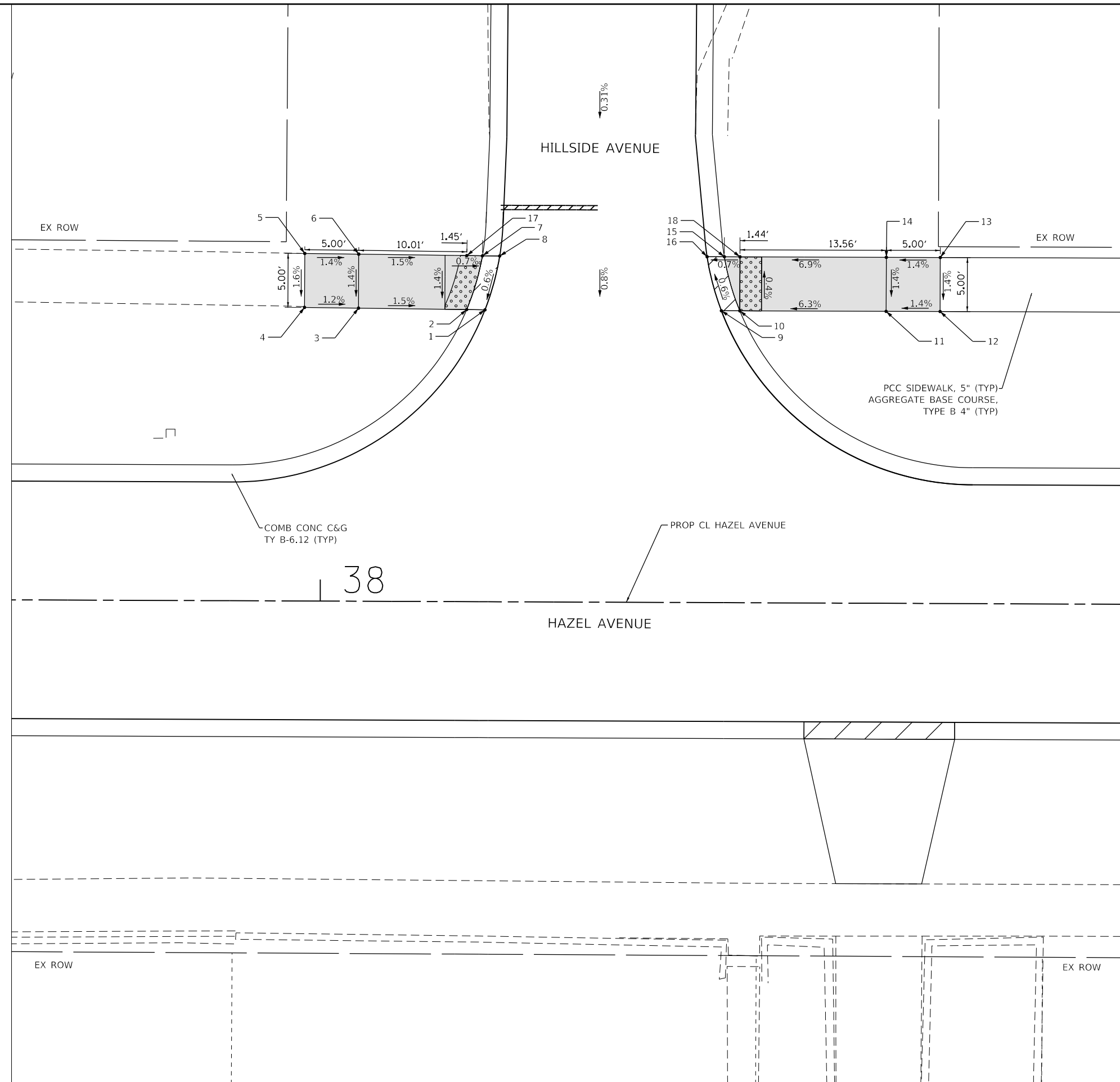
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| USER NAME = gellwanger | DESIGNED - | REvised - |
| PLOT SCALE = 10.0000' / in. | DRAWN - | REvised - |
| PLOT DATE = 9/10/2024 | CHECKED - | REvised - |
| | DATE 09/09/2024 | REvised - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS**

SCALE: 1"=5' SHEET 11 OF 24 SHEETS STA. 36+02.14 TO STA. 37+10.58

| | | | | |
|--------------------|----------------|----------|------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 138 |
| CONTRACT NO. 61K74 | | | | |
| | | ILLINOIS | FED. AID PROJECT | |



LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

ADA RAMPS HILLSIDE AVENUE

| POINT NO. | STATION | OFFSET | ELEVATION |
|-----------|----------|--------|-----------|
| 1 | 38+15.15 | 27.03 | 664.02 |
| 2 | 38+13.46 | 27.04 | 664.01 |
| 3 | 38+03.45 | 27.14 | 664.16 |
| 4 | 37+98.45 | 27.19 | 664.22 |
| 5 | 37+98.44 | 32.19 | 664.30 |
| 6 | 38+03.44 | 32.14 | 664.23 |
| 7 | 38+14.90 | 32.03 | 664.07 |
| 8 | 38+16.50 | 32.01 | 664.05 |
| 9 | 38+37.05 | 27.03 | 664.26 |
| 10 | 38+38.75 | 27.03 | 664.25 |
| 11 | 38+52.31 | 27.03 | 665.10 |
| 12 | 38+57.30 | 27.04 | 665.17 |
| 13 | 38+57.31 | 32.04 | 665.24 |
| 14 | 38+52.31 | 32.03 | 665.17 |
| 15 | 38+37.31 | 32.03 | 664.22 |
| 16 | 38+35.71 | 32.03 | 664.23 |
| 17 | 38+13.46 | 32.04 | 664.08 |
| 18 | 38+38.75 | 32.03 | 664.23 |



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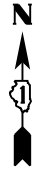
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| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS

SCALE: 1"=5' SHEET 12 OF 24 SHEETS STA. 37+71.40 TO STA. 38+74.21

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 139 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

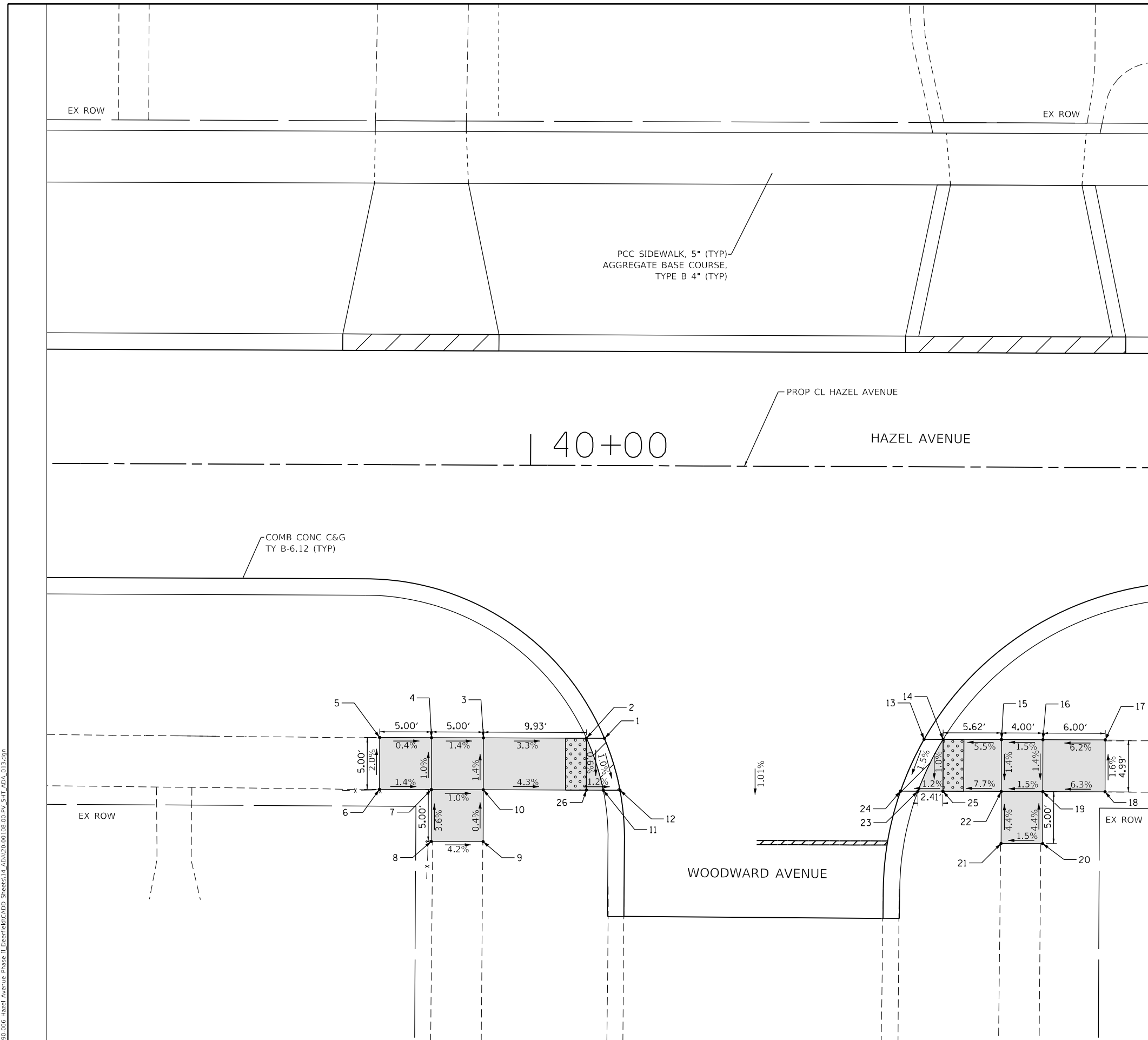


LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

ADA RAMPS WOODWARD AVENUE

| POINT NO. | STATION | OFFSET | ELEVATION |
|-----------|----------|----------|-----------|
| 1 | 40+07.22 | 26.27 RT | 665.18 |
| 2 | 40+05.49 | 26.27 RT | 665.17 |
| 3 | 39+95.56 | 26.27 RT | 665.50 |
| 4 | 39+90.56 | 26.28 RT | 665.57 |
| 5 | 39+85.56 | 26.28 RT | 665.59 |
| 6 | 39+85.56 | 31.28 RT | 665.69 |
| 7 | 39+90.56 | 31.28 RT | 665.62 |
| 8 | 39+90.57 | 36.28 RT | 665.80 |
| 9 | 39+95.57 | 36.27 RT | 665.59 |
| 10 | 39+95.56 | 31.27 RT | 665.57 |
| 11 | 40+07.13 | 31.27 RT | 665.12 |
| 12 | 40+08.74 | 31.27 RT | 665.13 |
| 13 | 40+38.02 | 26.25 RT | 665.42 |
| 14 | 40+39.85 | 26.25 RT | 665.41 |
| 15 | 40+45.47 | 26.25 RT | 665.72 |
| 16 | 40+49.47 | 26.24 RT | 665.78 |
| 17 | 40+55.47 | 26.24 RT | 666.15 |
| 18 | 40+55.47 | 31.24 RT | 666.23 |
| 19 | 40+49.47 | 31.24 RT | 665.85 |
| 20 | 40+49.48 | 36.24 RT | 666.07 |
| 21 | 40+45.48 | 36.25 RT | 666.01 |
| 22 | 40+45.47 | 31.25 RT | 665.79 |
| 23 | 40+37.44 | 31.25 RT | 665.33 |
| 24 | 40+35.77 | 31.25 RT | 665.34 |
| 25 | 40+39.86 | 31.25 RT | 665.36 |
| 26 | 40+05.49 | 31.27 RT | 665.14 |



PCC SIDEWALK, 5" (TYP)
AGGREGATE BASE COURSE,
TYPE B 4" (TYP)

PROP CL HAZEL AVENUE

40+00

HAZEL AVENUE

COMB CONC C&G
TY B-6.12 (TYP)

WOODWARD AVENUE

MODEL: Default
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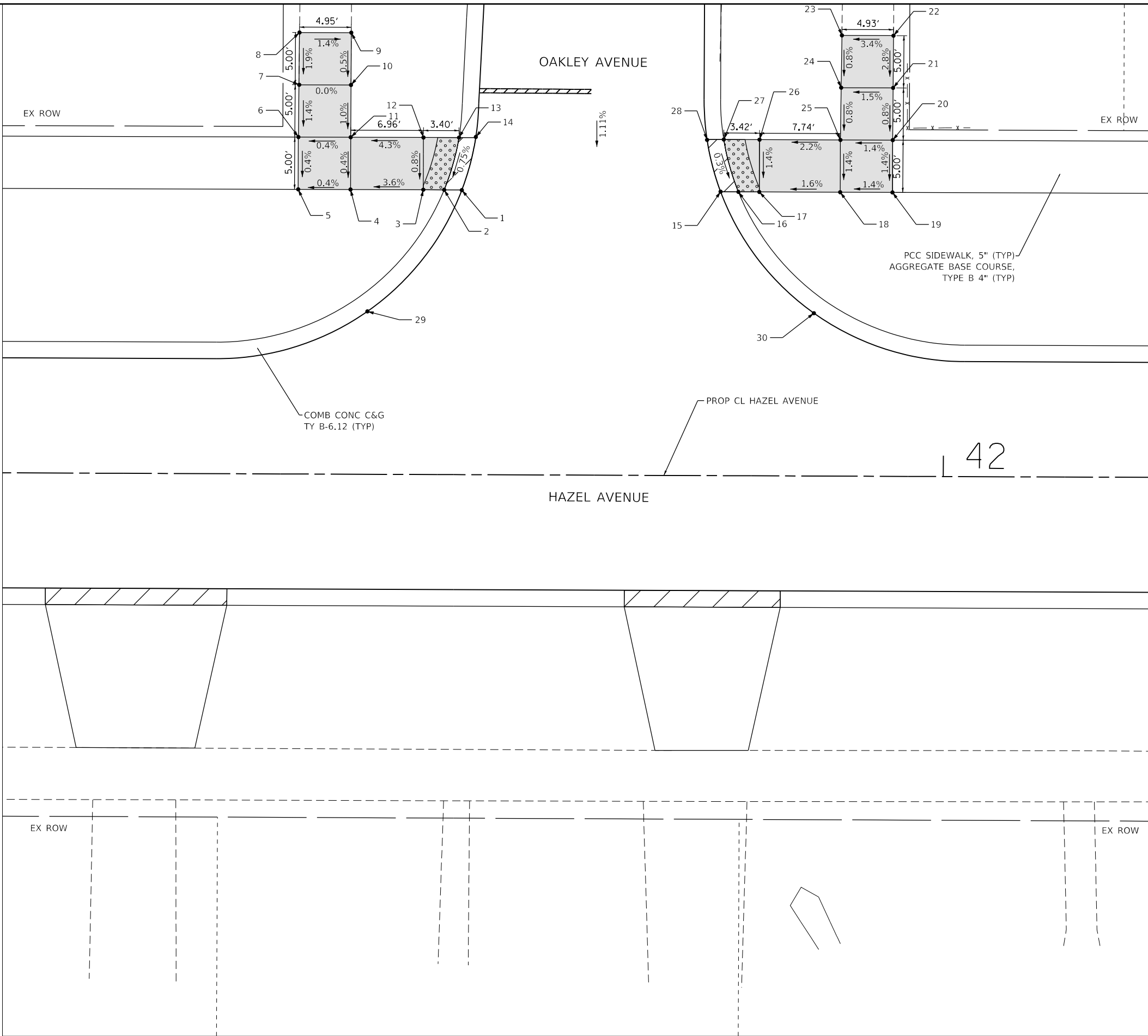
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|------------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS**

SCALE: 1"=5' SHEET 13 OF 24 SHEETS STA. 39+53.38 TO STA. 40+59.57

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 140 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

ADA RAMPS OAKLEY AVENUE

| POINT NO. | STATION | OFFSET | ELEVATION |
|-----------|----------|----------|-----------|
| 1 | 41+53.85 | 27.21 LT | 666.59 |
| 2 | 41+52.17 | 27.24 LT | 666.58 |
| 3 | 41+50.17 | 27.24 LT | 666.55 |
| 4 | 41+43.21 | 27.23 LT | 666.30 |
| 5 | 41+38.21 | 27.23 LT | 666.28 |
| 6 | 41+38.21 | 32.23 LT | 666.30 |
| 7 | 41+38.23 | 37.23 LT | 666.37 |
| 8 | 41+38.23 | 42.23 LT | 666.47 |
| 9 | 41+43.23 | 42.23 LT | 666.39 |
| 10 | 41+43.22 | 37.23 LT | 666.37 |
| 11 | 41+43.21 | 32.23 LT | 666.32 |
| 12 | 41+50.17 | 32.24 LT | 666.59 |
| 13 | 41+53.57 | 32.24 LT | 666.62 |
| 14 | 41+55.15 | 32.16 LT | 666.63 |
| 15 | 41+78.60 | 27.17 LT | 666.62 |
| 16 | 41+80.30 | 27.15 LT | 666.61 |
| 17 | 41+82.30 | 27.15 LT | 666.64 |
| 18 | 41+90.04 | 27.15 LT | 666.76 |
| 19 | 41+95.04 | 27.16 LT | 666.83 |
| 20 | 41+95.04 | 32.15 LT | 666.90 |
| 21 | 41+95.14 | 37.15 LT | 666.94 |
| 22 | 41+95.08 | 42.15 LT | 667.08 |
| 23 | 41+90.14 | 42.15 LT | 666.91 |
| 24 | 41+90.09 | 37.15 LT | 666.87 |
| 25 | 41+90.04 | 32.15 LT | 666.83 |
| 26 | 41+82.30 | 32.15 LT | 666.66 |
| 27 | 41+78.88 | 32.15 LT | 666.63 |
| 28 | 41+77.29 | 32.13 LT | 666.64 |
| 29 | 41+50.28 | 20.77 LT | 666.53 |
| 30 | 41+83.46 | 19.22 LT | 666.55 |



MODEL: D:\p1\11_2024\11_2024_006 - Hazel Avenue Phase II - Deerfield\CADD_Sheets\14_ADA\20-00108-00-PV_SHT_ADA_01.dwg
 FILE NAME: 11_2024_006 - Hazel Avenue Phase II - Deerfield\CADD_Sheets\14_ADA\20-00108-00-PV_SHT_ADA_01.dwg



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS**

SCALE: 1"=5' SHEET 14 OF 24 SHEETS STA. 41+10.03 TO STA. 42+20.16

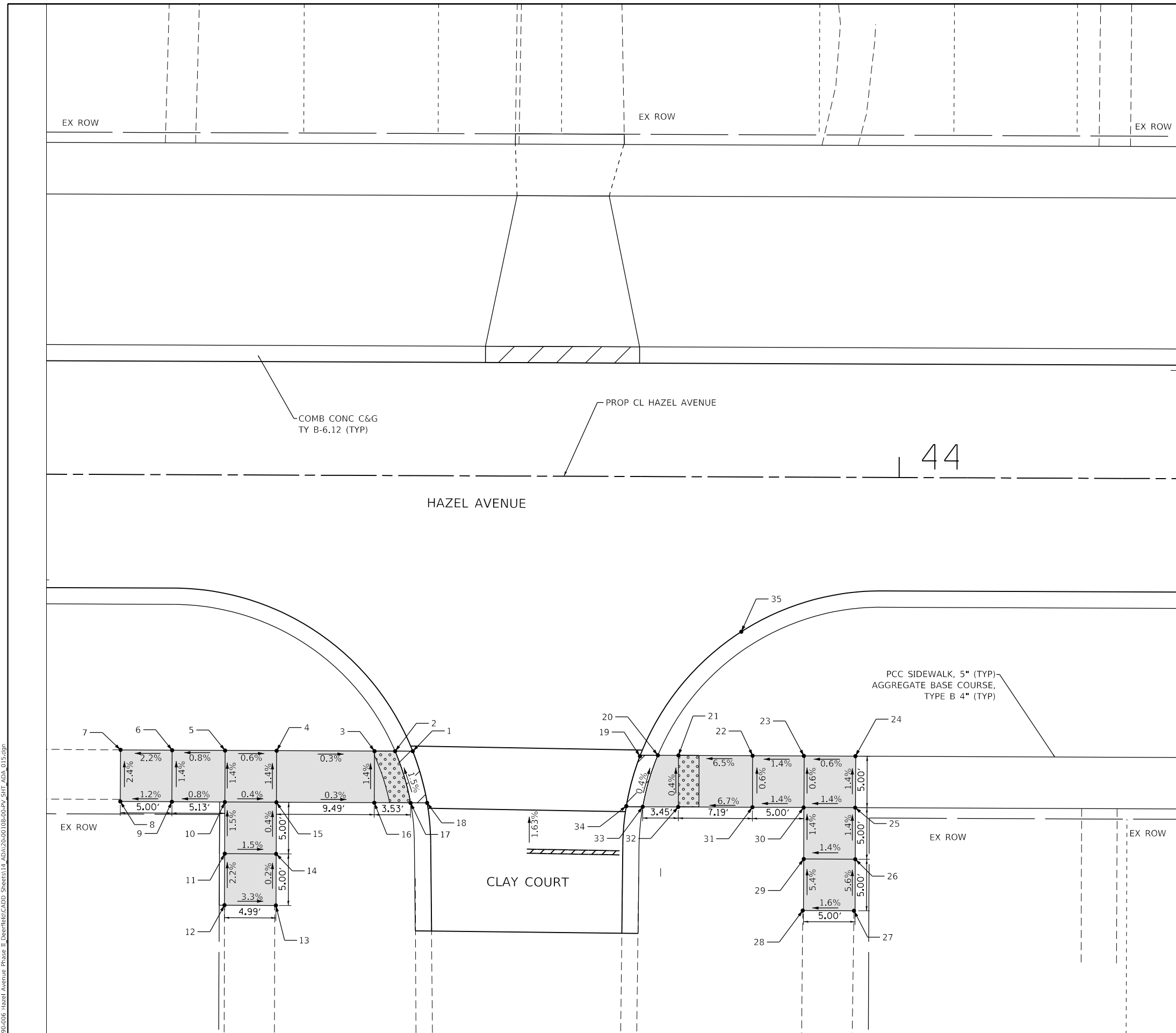
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1263 | 20-00108-00-PV | LAKE | 221 | 141 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

| ADA RAMPS CLAY COURT | | | |
|----------------------|----------|----------|-----------|
| POINT NO. | STATION | OFFSET | ELEVATION |
| 1 | 43+52.94 | 26.73 RT | 668.59 |
| 2 | 43+51.23 | 26.74 RT | 668.58 |
| 3 | 43+49.23 | 26.74 RT | 668.59 |
| 4 | 43+39.74 | 26.74 RT | 668.62 |
| 5 | 43+34.74 | 26.73 RT | 668.65 |
| 6 | 43+29.60 | 26.72 RT | 668.61 |
| 7 | 43+24.60 | 26.71 RT | 668.50 |
| 8 | 43+24.60 | 31.71 RT | 668.62 |
| 9 | 43+29.60 | 31.72 RT | 668.68 |
| 10 | 43+34.74 | 31.73 RT | 668.72 |
| 11 | 43+34.75 | 36.73 RT | 668.79 |
| 12 | 43+34.59 | 41.73 RT | 668.90 |
| 13 | 43+39.73 | 41.74 RT | 668.73 |
| 14 | 43+39.73 | 36.74 RT | 668.72 |
| 15 | 43+39.74 | 31.74 RT | 668.70 |
| 16 | 43+49.23 | 31.74 RT | 668.67 |
| 17 | 43+52.75 | 31.75 RT | 668.66 |
| 18 | 43+54.37 | 31.82 RT | 668.67 |
| 19 | 43+74.97 | 27.13 RT | 668.64 |
| 20 | 43+76.71 | 27.03 RT | 668.63 |
| 21 | 43+78.71 | 27.03 RT | 668.66 |
| 22 | 43+85.90 | 27.03 RT | 669.13 |
| 23 | 43+90.90 | 27.03 RT | 669.20 |
| 24 | 43+95.90 | 27.03 RT | 669.23 |
| 25 | 43+95.90 | 32.03 RT | 669.30 |
| 26 | 43+95.90 | 37.03 RT | 669.37 |
| 27 | 43+95.79 | 42.03 RT | 669.65 |
| 28 | 43+90.82 | 42.03 RT | 669.57 |
| 29 | 43+90.90 | 37.03 RT | 669.3 |
| 30 | 43+90.90 | 32.03 RT | 669.23 |
| 31 | 43+85.90 | 32.03 RT | 669.16 |
| 32 | 43+78.71 | 32.03 RT | 668.68 |
| 33 | 43+75.26 | 32.03 RT | 668.65 |
| 34 | 43+73.67 | 31.96 RT | 668.66 |
| 35 | 43+46.85 | 17.79 RT | 668.37 |
| 36 | 43+84.66 | 15.07 RT | 668.56 |



MODEL: D:\p1\11_2024\11_2024_006_Hazel_Avenue_Phase_II_Design\11_2024_006_Hazel_Avenue_Phase_II_Design\CADD_Sheets\11_2024_006_Hazel_Avenue_Phase_II_Design\ADA_015.dwg
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| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS**

SCALE: 1"=5' SHEET 15 OF 24 SHEETS STA. 43+17.30 TO STA. 44+27.11

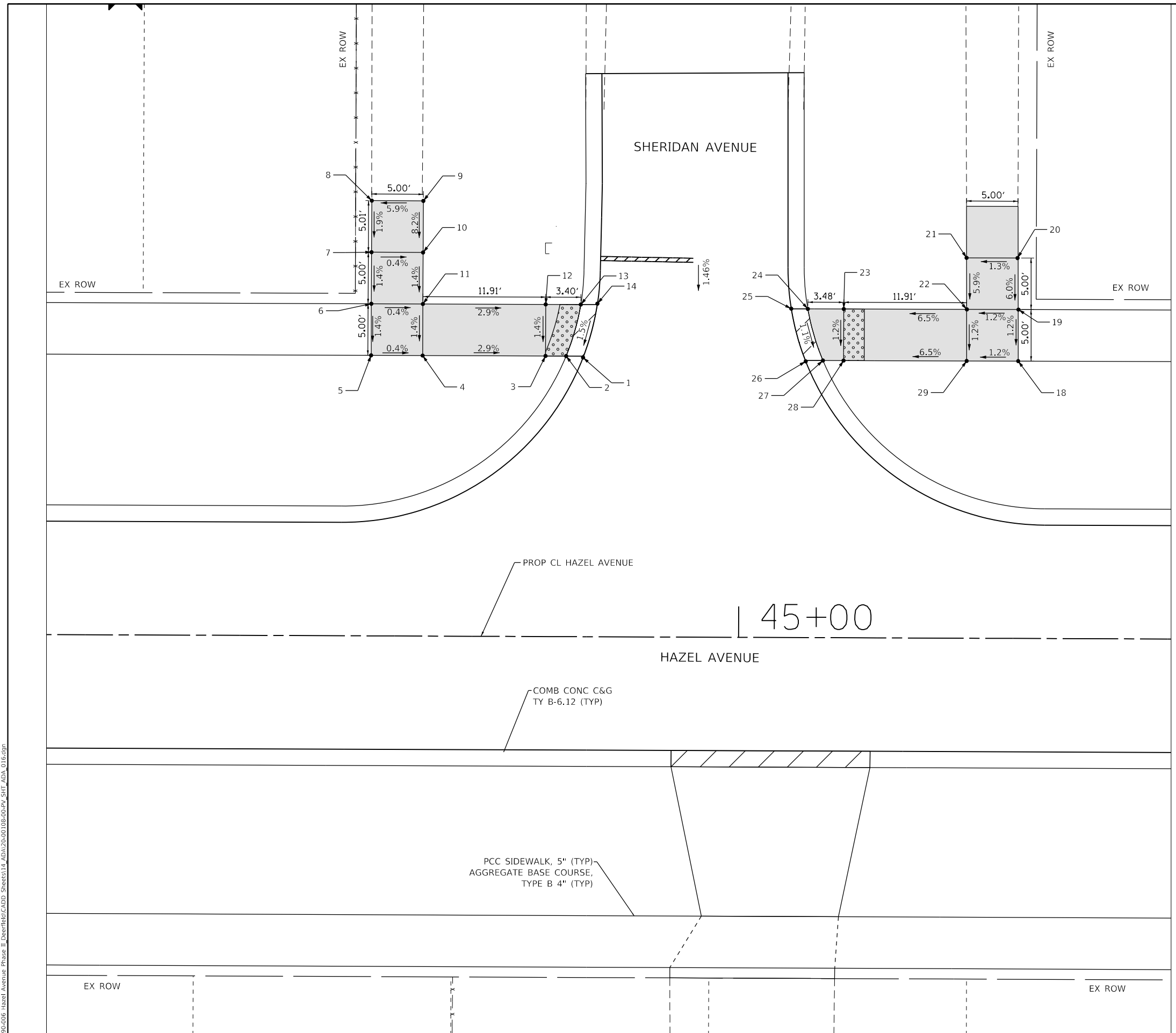
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|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 142 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP)
- DEPRESSED CURB

| ADA RAMPS SHERIDAN AVENUE | | | |
|---------------------------|----------|----------|-----------|
| POINT NO. | STATION | OFFSET | ELEVATION |
| 1 | 44+84.81 | 27.08 LT | 669.93 |
| 2 | 44+83.14 | 27.21 LT | 669.92 |
| 3 | 44+81.16 | 27.21 LT | 669.95 |
| 4 | 44+69.25 | 27.21 LT | 670.30 |
| 5 | 44+64.25 | 27.21 LT | 670.32 |
| 6 | 44+64.26 | 32.20 LT | 670.39 |
| 7 | 44+64.26 | 37.21 LT | 670.46 |
| 8 | 44+64.26 | 42.21 LT | 670.55 |
| 9 | 44+69.26 | 42.21 LT | 670.85 |
| 10 | 44+69.26 | 37.21 LT | 670.44 |
| 11 | 44+69.25 | 32.21 LT | 670.37 |
| 12 | 44+81.16 | 32.21 LT | 670.02 |
| 13 | 44+84.57 | 32.21 LT | 669.99 |
| 14 | 44+86.17 | 32.22 LT | 670.00 |
| 15 | 45+26.79 | 11.16 LT | 670.05 |
| 16 | 45+27.00 | 12.73 LT | 670.04 |
| 17 | 45+27.00 | 15.86 LT | 670.01 |
| 18 | 45+27.01 | 26.89 LT | 670.89 |
| 19 | 45+27.01 | 31.89 LT | 670.95 |
| 20 | 45+26.96 | 36.89 LT | 671.25 |
| 21 | 45+21.96 | 36.89 LT | 671.19 |
| 22 | 45+22.01 | 31.89 LT | 670.89 |
| 23 | 45+10.07 | 31.88 LT | 670.11 |
| 24 | 45+06.59 | 31.88 LT | 670.14 |
| 25 | 45+04.99 | 31.85 LT | 670.15 |
| 26 | 45+06.40 | 26.79 LT | 670.09 |
| 27 | 45+08.07 | 26.88 LT | 670.08 |
| 28 | 45+10.07 | 26.88 LT | 670.05 |
| 29 | 45+22.01 | 26.89 LT | 670.83 |



MODEL: D:\p1\11...
 FILE NAME: E:\090-006-Hazel Avenue Phase II_Deerfield\CADD_Sheets\14_ADA\20-00108-00-PV_SHT_ADA_016.dwg



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS

SCALE: 1"=5' SHEET 16 OF 24 SHEETS STA. 44+32.87 TO STA. 45+41.94

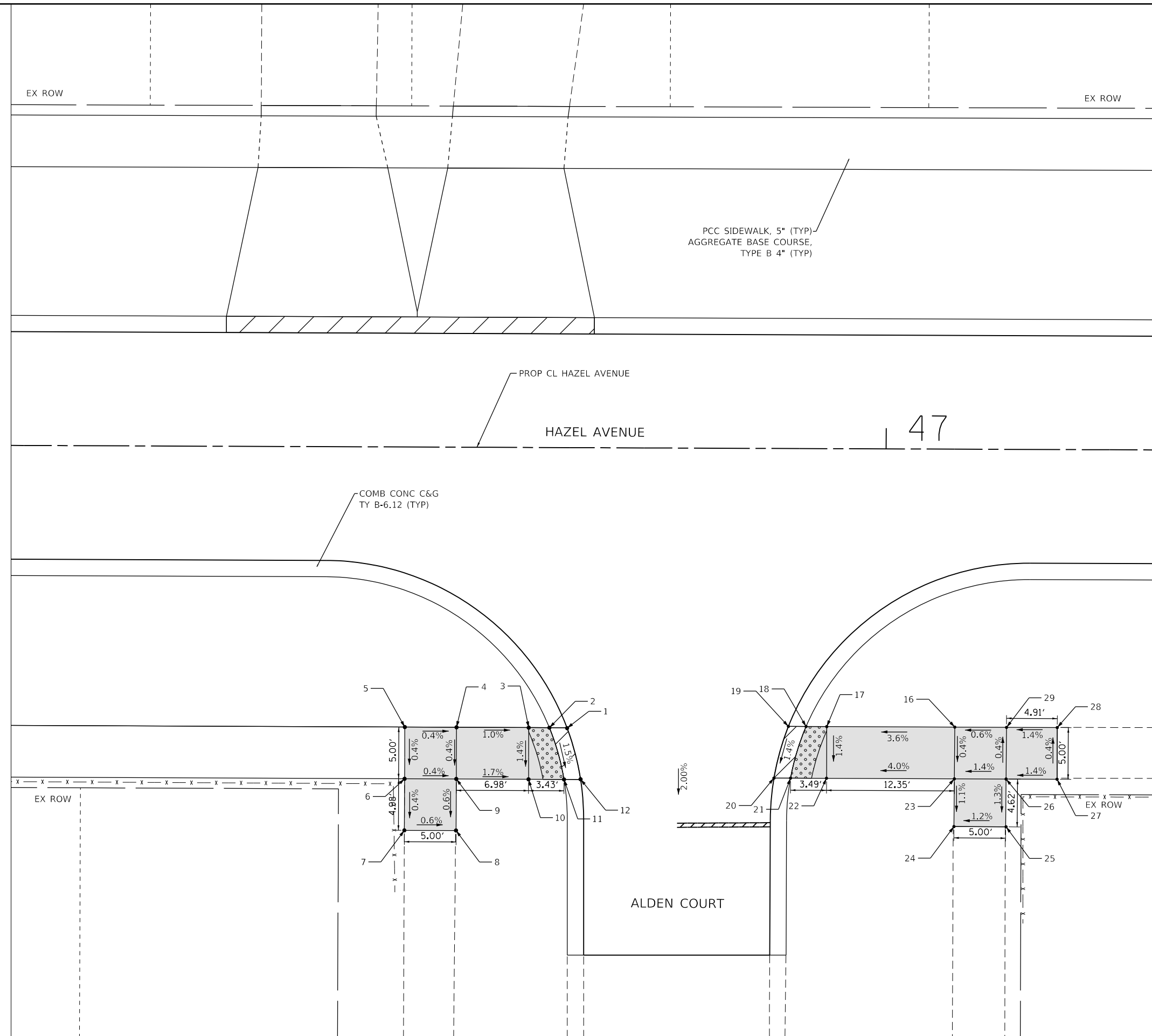
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|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 143 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

| ADA RAMPS ALDEN COURT | | | |
|-----------------------|----------|----------|-----------|
| POINT NO. | STATION | OFFSET | ELEVATION |
| 1 | 46+69.26 | 27.13 RT | 670.89 |
| 2 | 46+67.55 | 27.09 RT | 670.88 |
| 3 | 46+65.55 | 27.09 RT | 670.89 |
| 4 | 46+58.57 | 27.08 RT | 670.96 |
| 5 | 46+53.57 | 27.09 RT | 670.98 |
| 6 | 46+53.56 | 32.08 RT | 670.96 |
| 7 | 46+53.57 | 37.07 RT | 670.94 |
| 8 | 46+58.57 | 37.08 RT | 670.91 |
| 9 | 46+58.56 | 32.08 RT | 670.94 |
| 10 | 46+65.55 | 32.09 RT | 670.82 |
| 11 | 46+68.98 | 32.09 RT | 670.81 |
| 12 | 46+70.58 | 32.08 RT | 670.82 |
| 13 | 47+06.69 | 12.07 RT | 671.97 |
| 14 | 47+06.80 | 13.69 RT | 671.96 |
| 15 | 47+06.82 | 15.69 RT | 671.93 |
| 16 | 47+06.75 | 26.88 RT | 671.60 |
| 17 | 46+94.37 | 26.88 RT | 671.16 |
| 18 | 46+92.37 | 26.89 RT | 671.13 |
| 19 | 46+90.66 | 26.88 RT | 671.14 |
| 20 | 46+89.28 | 31.88 RT | 671.07 |
| 21 | 46+90.88 | 31.88 RT | 671.06 |
| 22 | 46+94.36 | 31.88 RT | 671.09 |
| 23 | 47+06.72 | 31.88 RT | 671.58 |
| 24 | 47+06.70 | 36.50 RT | 671.53 |
| 25 | 47+11.70 | 36.51 RT | 671.59 |
| 26 | 47+11.72 | 31.88 RT | 671.65 |



MODEL: D:\p1\11...
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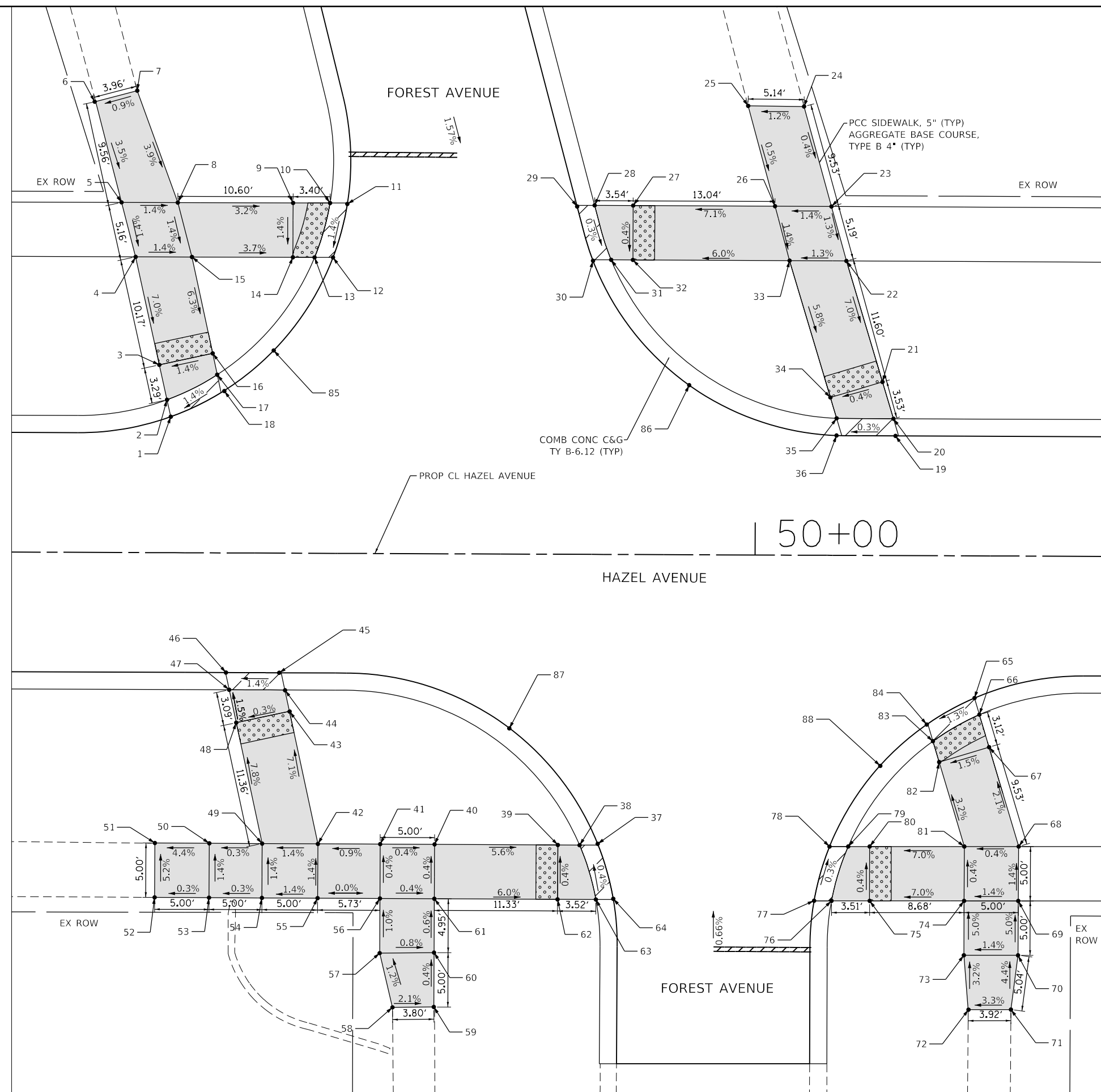


| | | |
|-----------------------------|-----------------|------------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| DRAWN - | REVISOR - | REVISION - |
| PLOT SCALE = 10.0000' / in. | CHECKED - | REVISOR - |
| PLOT DATE = 9/10/2024 | DATE 09/09/2024 | REVISION - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | |
|---|-----------------------|
| HAZEL AVENUE IMPROVEMENTS ADA RAMP DETAILS | |
| SCALE: 1"=5' | SHEET 17 OF 24 SHEETS |
| STA. 46+15.38 | TO STA. 47+25.99 |

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1263 | 20-00108-00-PV | LAKE | 221 | 144 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| ADA RAMPS FOREST AVENUE | | | |
|-------------------------|----------|-----------|-----------|
| POINT NO. | STATION | OFFSET | ELEVATION |
| 1 | 49+46.23 | 12.50 LT | 674.57 |
| 2 | 49+45.88 | 14.06 LT | 674.56 |
| 3 | 49+45.17 | 17.28 LT | 674.59 |
| 4 | 49+42.94 | 27.18 LT | 675.30 |
| 5 | 49+41.63 | 32.19 LT | 675.37 |
| 6 | 49+39.20 | 41.45 LT | 675.70 |
| 7 | 49+43.02 | 42.46 LT | 675.73 |
| 8 | 49+46.80 | 32.19 LT | 675.30 |
| 9 | 49+57.40 | 32.20 LT | 674.96 |
| 10 | 49+60.80 | 32.20 LT | 674.93 |
| 11 | 49+62.39 | 32.17 LT | 674.94 |
| 12 | 49+61.09 | 27.20 LT | 674.87 |
| 13 | 49+59.39 | 27.20 LT | 674.86 |
| 14 | 49+57.40 | 27.20 LT | 674.89 |
| 15 | 49+48.12 | 27.20 LT | 675.23 |
| 16 | 49+50.06 | 18.34 LT | 674.66 |
| 17 | 49+50.49 | 16.38 LT | 674.63 |
| 18 | 49+51.12 | 14.91 LT | 674.64 |
| 19 | 50+12.90 | 11.00 L T | 675.03 |
| 20 | 50+12.68 | 12.58 LT | 675.02 |
| 21 | 50+11.66 | 15.96 LT | 675.05 |
| 22 | 50+08.30 | 27.07 LT | 675.86 |
| 23 | 50+06.89 | 32.07 LT | 675.93 |
| 24 | 50+04.34 | 41.25 LT | 675.97 |
| 25 | 49+99.20 | 41.29 LT | 675.91 |
| 26 | 50+01.71 | 32.07 LT | 675.86 |
| 27 | 49+88.67 | 32.08 LT | 674.94 |
| 28 | 49+85.13 | 32.09 LT | 674.91 |
| 29 | 49+83.53 | 31.92 LT | 674.92 |
| 30 | 49+85.00 | 26.99 LT | 674.90 |
| 31 | 49+86.58 | 27.08 LT | 674.89 |
| 32 | 49+88.66 | 27.08 LT | 674.92 |
| 33 | 50+03.07 | 27.07 LT | 675.79 |
| 34 | 50+06.87 | 14.51 LT | 675.03 |
| 35 | 50+07.45 | 12.60 LT | 675.00 |
| 36 | 50+07.45 | 11.02 LT | 675.01 |
| 37 | 49+85.63 | 26.61 RT | 674.83 |
| 38 | 49+83.98 | 26.74 RT | 674.82 |
| 39 | 49+81.97 | 26.73 RT | 674.85 |
| 40 | 49+70.64 | 26.72 RT | 675.48 |
| 41 | 49+65.64 | 26.71 RT | 675.50 |
| 42 | 49+59.91 | 26.82 RT | 675.45 |
| 43 | 49+57.25 | 14.55 RT | 674.56 |
| 44 | 49+56.82 | 12.58 RT | 674.55 |

| ADA RAMPS FOREST AVENUE | | | |
|-------------------------|----------|----------|-----------|
| POINT NO. | STATION | OFFSET | ELEVATION |
| 45 | 49+56.29 | 11.00 RT | 674.56 |
| 46 | 49+51.39 | 11.00 RT | 674.49 |
| 47 | 49+51.70 | 12.58 RT | 674.48 |
| 48 | 49+52.36 | 15.60 RT | 674.49 |
| 49 | 49+54.78 | 26.70 RT | 675.38 |
| 50 | 49+49.93 | 26.70 RT | 675.36 |
| 51 | 49+44.93 | 26.70 RT | 675.16 |
| 52 | 49+44.92 | 31.71 RT | 675.42 |
| 53 | 49+49.92 | 31.70 RT | 675.43 |
| 54 | 49+54.78 | 31.71 RT | 675.45 |
| 55 | 49+59.90 | 31.71 RT | 675.52 |
| 56 | 49+65.64 | 31.71 RT | 675.52 |
| 57 | 49+65.63 | 36.74 RT | 675.57 |
| 58 | 49+66.83 | 41.74 RT | 675.63 |
| 59 | 49+70.70 | 41.67 RT | 675.55 |
| 60 | 49+70.63 | 36.67 RT | 675.53 |
| 61 | 49+70.64 | 31.67 RT | 675.50 |
| 62 | 49+81.97 | 31.73 RT | 674.87 |
| 63 | 49+85.49 | 31.73 RT | 674.84 |
| 64 | 49+87.08 | 31.66 RT | 674.85 |
| 65 | 50+20.23 | 13.07 RT | 674.94 |
| 66 | 50+20.68 | 14.60 RT | 674.93 |
| 67 | 50+21.59 | 17.58 RT | 674.96 |
| 68 | 50+24.35 | 26.70 RT | 675.17 |
| 69 | 50+24.33 | 31.70 RT | 675.24 |
| 70 | 50+24.33 | 36.69 RT | 675.49 |
| 71 | 50+23.69 | 41.70 RT | 675.71 |
| 72 | 50+19.79 | 41.72 RT | 675.58 |
| 73 | 50+19.34 | 36.72 RT | 675.42 |
| 74 | 50+19.34 | 31.72 RT | 675.17 |
| 75 | 50+10.66 | 31.76 RT | 674.57 |
| 76 | 50+07.16 | 31.77 RT | 674.54 |
| 77 | 50+05.56 | 31.71 RT | 674.55 |
| 78 | 50+06.95 | 26.78 RT | 674.53 |
| 79 | 50+08.67 | 26.77 RT | 674.52 |
| 80 | 50+10.65 | 26.76 RT | 674.55 |
| 81 | 50+19.35 | 26.72 RT | 675.15 |
| 82 | 50+17.00 | 18.97 RT | 674.89 |
| 83 | 50+16.42 | 17.06 RT | 674.86 |
| 84 | 50+15.98 | 15.43 RT | 674.87 |
| 85 | 49+55.67 | 18.63 RT | 674.72 |
| 86 | 49+93.88 | 15.59 RT | 674.86 |
| 87 | 49+77.48 | 16.01 RT | 674.76 |
| 88 | 50+11.56 | 19.33 RT | 674.52 |

LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP)
- DEPRESSED CURB



MODEL: Default
 FILE NAME: E:\030-006_Hazlet Avenue Phase II_Design\CADD_Sheets\14_ADA\20-00108-00-PV_SHT_ADA_018.dwg
 PLOT DATE = 9/10/2024



| | | |
|-----------------------------|------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| DATE = 09/09/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS**

SCALE: 1"=5' SHEET 18 OF 24 SHEETS STA. 49+36.64 TO STA. 50+36.78

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 145 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

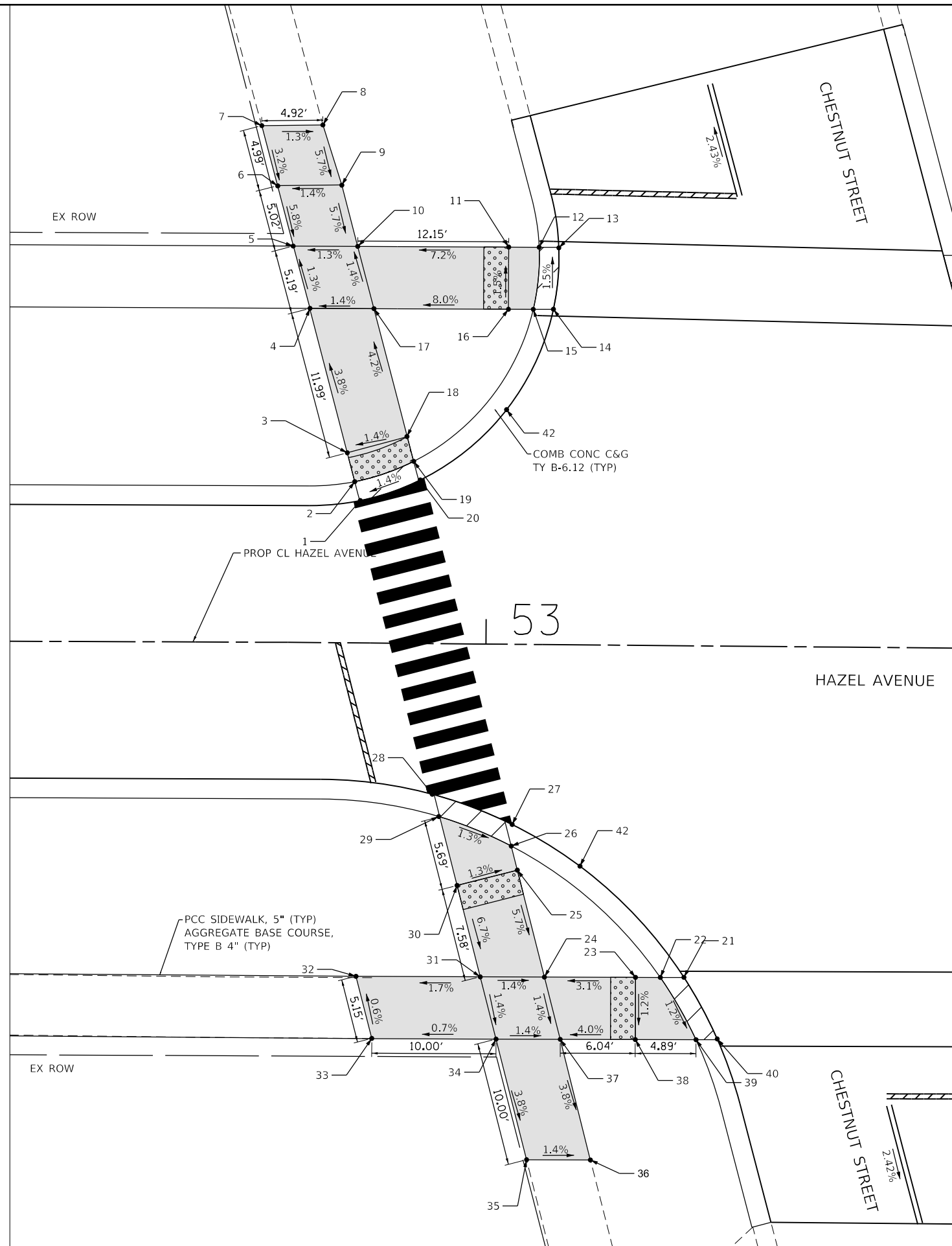


LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

ADA RAMPS CHESTNUT STREET

| POINT NO. | STATION | OFFSET | ELEVATION |
|-----------|----------|----------|-----------|
| 1 | 52+89.80 | 11.45 LT | 677.17 |
| 2 | 52+89.33 | 12.97 LT | 677.16 |
| 3 | 52+88.71 | 15.28 LT | 677.13 |
| 4 | 52+85.61 | 26.87 LT | 676.68 |
| 5 | 52+84.22 | 31.87 LT | 676.61 |
| 6 | 52+83.10 | 36.70 LT | 676.32 |
| 7 | 52+81.80 | 41.54 LT | 676.16 |
| 8 | 52+86.52 | 41.62 LT | 676.10 |
| 9 | 52+88.09 | 36.80 LT | 676.39 |
| 10 | 52+89.41 | 31.89 LT | 676.68 |
| 11 | 53+01.56 | 31.93 LT | 677.55 |
| 12 | 53+04.01 | 31.94 LT | 677.58 |
| 13 | 53+05.59 | 31.93 LT | 677.59 |
| 14 | 53+05.20 | 26.96 LT | 677.66 |
| 15 | 53+03.58 | 26.94 LT | 677.65 |
| 16 | 53+01.58 | 26.93 LT | 677.62 |
| 17 | 52+90.76 | 26.89 LT | 676.75 |
| 18 | 52+93.50 | 16.63 LT | 677.20 |
| 19 | 52+94.06 | 14.64 LT | 677.23 |
| 20 | 52+94.47 | 13.08 LT | 677.24 |
| 21 | 53+16.16 | 26.66 RT | 676.71 |
| 22 | 53+14.26 | 26.69 RT | 676.70 |
| 23 | 53+12.26 | 26.70 RT | 676.72 |
| 24 | 53+04.94 | 26.74 RT | 676.49 |
| 25 | 53+02.68 | 18.16 RT | 677.00 |
| 26 | 53+02.17 | 16.22 RT | 677.03 |
| 27 | 53+02.76 | 14.75 RT | 677.04 |
| 28 | 52+96.11 | 12.11 RT | 677.11 |
| 29 | 52+96.40 | 13.92 RT | 677.10 |
| 30 | 52+97.34 | 19.42 RT | 677.07 |
| 31 | 52+99.78 | 26.77 RT | 676.56 |
| 32 | 52+89.77 | 26.82 RT | 676.39 |
| 33 | 52+91.09 | 31.79 RT | 676.42 |
| 34 | 53+01.09 | 31.76 RT | 676.49 |
| 35 | 53+03.63 | 41.43 RT | 676.11 |
| 36 | 53+08.76 | 41.41 RT | 676.04 |
| 37 | 53+06.25 | 31.73 RT | 676.42 |
| 38 | 53+12.29 | 31.70 RT | 676.66 |
| 39 | 53+17.17 | 31.67 RT | 676.63 |
| 40 | 53+18.88 | 31.59 RT | 676.64 |
| 41 | 53+01.50 | 18.86 LT | 677.68 |
| 42 | 53+07.72 | 17.80 RT | 676.94 |



MODEL: D:\p1\11...
 FILE NAME: E:\000-006...
 PROJECT: Hazel Avenue Phase II...
 SHEET: ADA...



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

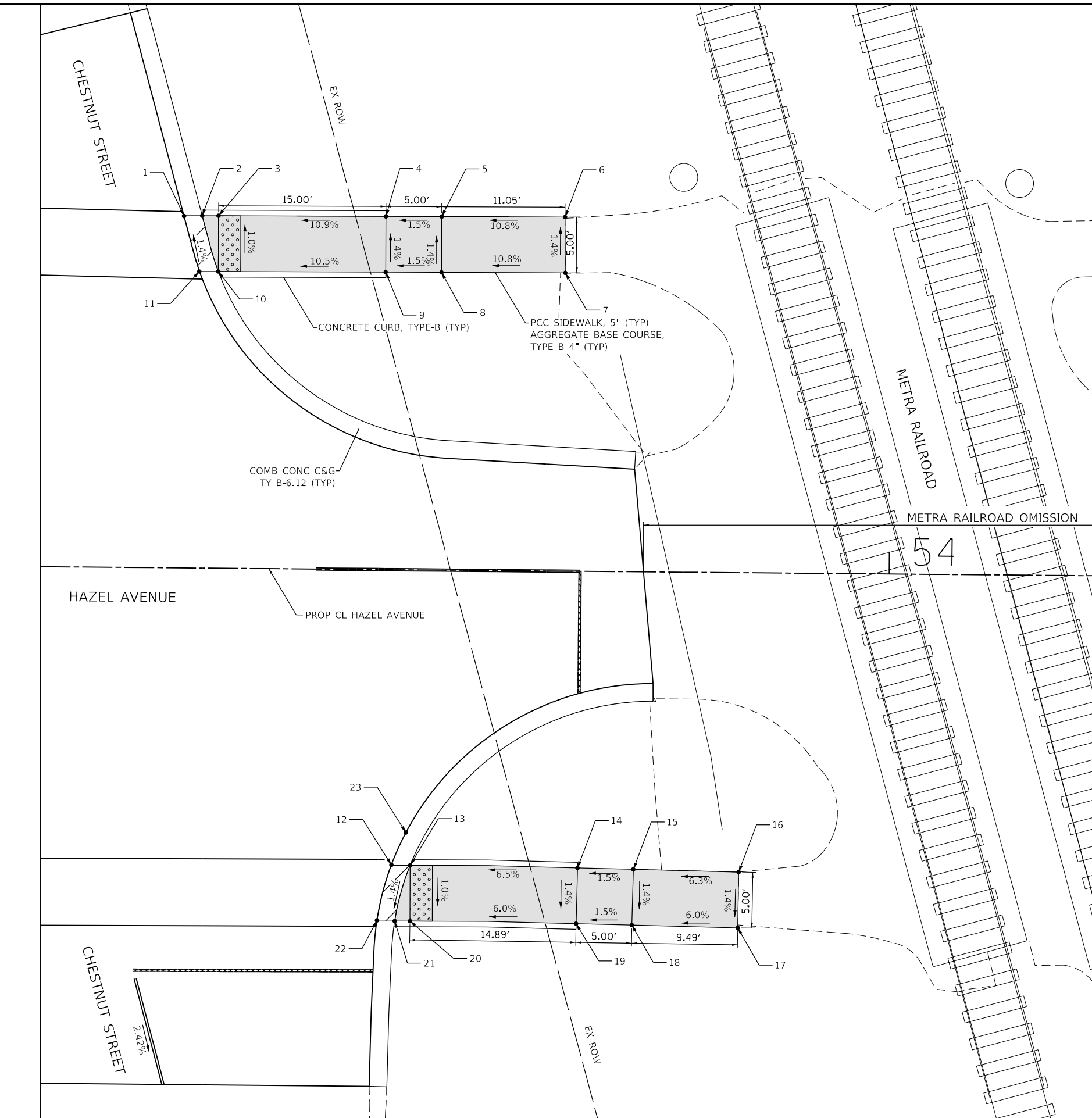
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS**

SCALE: 1"=5' SHEET 19 OF 24 SHEETS STA. 52+48.38 TO STA. 53+27.85

| | | | | |
|---------------------------|------------------------|-------------|------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 146 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

MODEL: D:\p1\11...
 FILE NAME: E:\090-006-Hazel Avenue Phase II_Driverfield\CADD_Sheets\14_ADA\20-00108-00-PV_SHT_ADA_0210.dgn



LEGEND

| | |
|--|--|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" (TYP) AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

ADA RAMPS CHESTNUT STREET

| POINT NO. | STATION | OFFSET | ELEVATION |
|-----------|----------|----------|-----------|
| 1 | 53+36.54 | 31.53 LT | 679.22 |
| 2 | 53+38.17 | 31.58 LT | 679.21 |
| 3 | 53+39.63 | 31.58 LT | 679.23 |
| 4 | 53+54.63 | 31.65 LT | 680.87 |
| 5 | 53+59.63 | 31.68 LT | 680.94 |
| 6 | 53+70.68 | 31.73 LT | 682.14 |
| 7 | 53+70.75 | 26.73 LT | 682.12 |
| 8 | 53+59.66 | 26.68 LT | 680.93 |
| 9 | 53+54.66 | 26.65 LT | 680.86 |
| 10 | 53+39.66 | 26.58 LT | 679.28 |
| 11 | 53+37.97 | 26.58 LT | 679.29 |
| 12 | 53+55.62 | 26.45 RT | 679.41 |
| 13 | 53+57.30 | 26.48 RT | 679.40 |
| 14 | 53+72.30 | 26.58 RT | 680.38 |
| 15 | 53+77.30 | 26.66 RT | 680.45 |
| 16 | 53+86.75 | 26.82 RT | 681.05 |
| 17 | 53+86.71 | 31.82 RT | 680.98 |
| 18 | 53+77.22 | 31.66 RT | 680.32 |
| 19 | 53+72.22 | 31.57 RT | 680.24 |
| 20 | 53+57.33 | 31.47 RT | 679.35 |
| 21 | 53+55.96 | 31.48 RT | 679.33 |
| 22 | 53+54.37 | 31.43 RT | 679.34 |
| 23 | 53+56.90 | 23.54 RT | 680.27 |



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

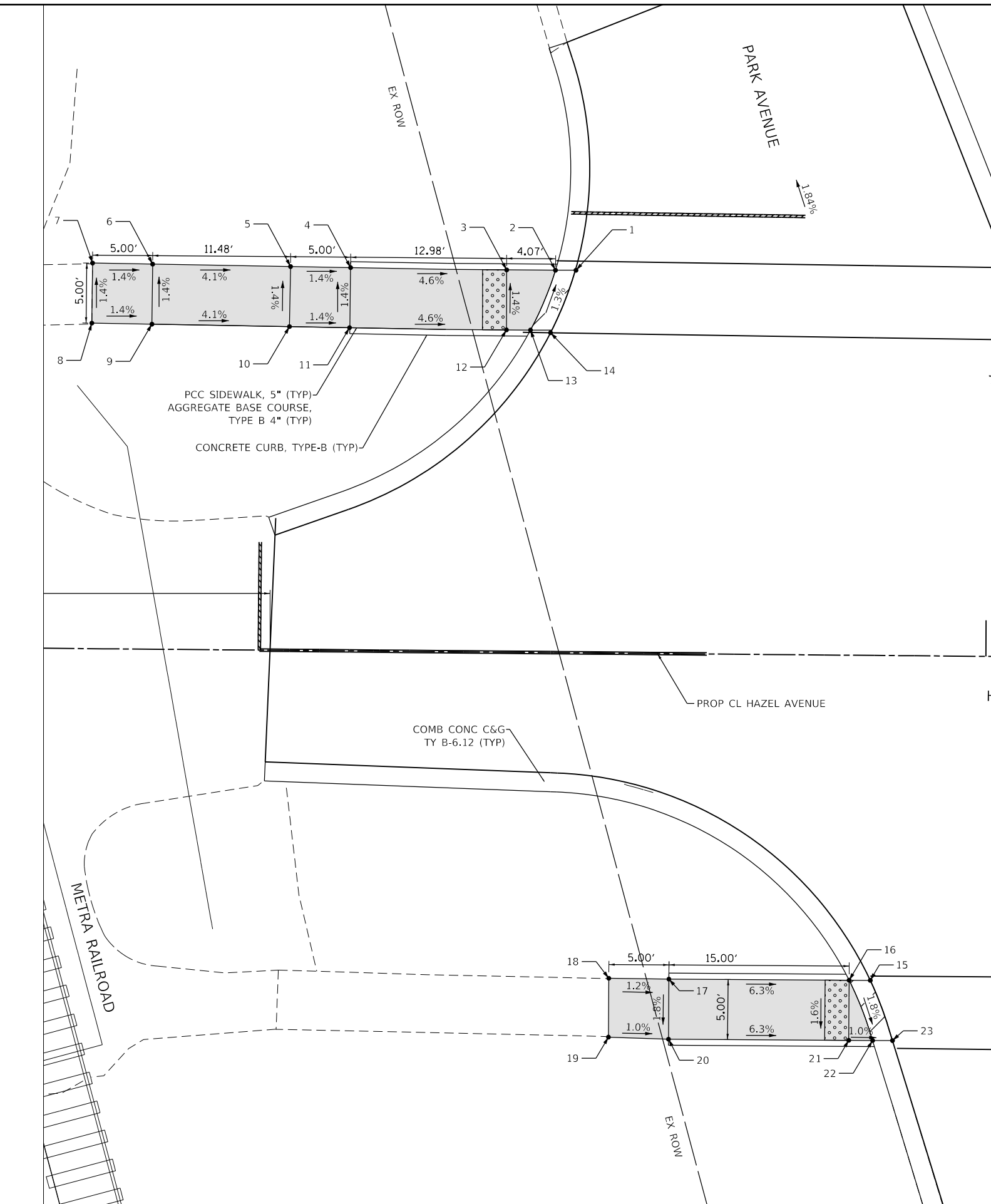
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
 ADA RAMP DETAILS**

SCALE: 1"=5' SHEET 20 OF 24 SHEETS STA. TO STA.

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 147 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

MODEL: D:\p1\11...
 FILE NAME: E:\030-006- Hazel Avenue Phase II_Deerfield\CADD_Sheets\14_ADA\20-00-00-PV_SHT_ADA_021.dgn



LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

| ADA RAMPS PARK AVENUE | | | |
|-----------------------|----------|----------|-----------|
| POINT NO. | STATION | OFFSET | ELEVATION |
| 1 | 54+65.55 | 31.79 LT | 681.38 |
| 2 | 54+63.91 | 31.82 LT | 681.37 |
| 3 | 54+59.85 | 31.81 LT | 681.40 |
| 4 | 54+46.86 | 31.89 LT | 682.00 |
| 5 | 54+41.86 | 31.93 LT | 682.07 |
| 6 | 54+30.38 | 32.04 LT | 682.54 |
| 7 | 54+25.38 | 32.08 LT | 682.61 |
| 8 | 54+25.36 | 27.08 LT | 682.68 |
| 9 | 54+30.36 | 27.04 LT | 682.61 |
| 10 | 54+41.81 | 26.93 LT | 682.14 |
| 11 | 54+46.84 | 26.89 LT | 682.07 |
| 12 | 54+59.87 | 26.82 LT | 681.47 |
| 13 | 54+61.87 | 26.82 LT | 681.44 |
| 14 | 54+63.54 | 26.61 LT | 681.45 |
| 15 | 54+90.61 | 27.04 RT | 679.67 |
| 16 | 54+88.85 | 27.05 RT | 679.66 |
| 17 | 54+73.85 | 27.08 RT | 680.61 |
| 18 | 54+68.85 | 27.05 RT | 680.67 |
| 19 | 54+68.87 | 31.95 RT | 680.57 |
| 20 | 54+73.87 | 32.08 RT | 680.52 |
| 21 | 54+88.86 | 32.05 RT | 679.58 |
| 22 | 54+90.85 | 32.04 RT | 679.56 |
| 23 | 54+92.51 | 32.04 RT | 679.57 |



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | | |
|---|--|-----------------------|----------------|--------------|--------------|--------------------|
| HAZEL AVENUE IMPROVEMENTS ADA RAMP DETAILS | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | 1263 | 20-00108-00-PV | LAKE | 221 | 148 |
| SCALE: 1"=5' | | SHEET 21 OF 24 SHEETS | | STA. TO STA. | | CONTRACT NO. 61K74 |

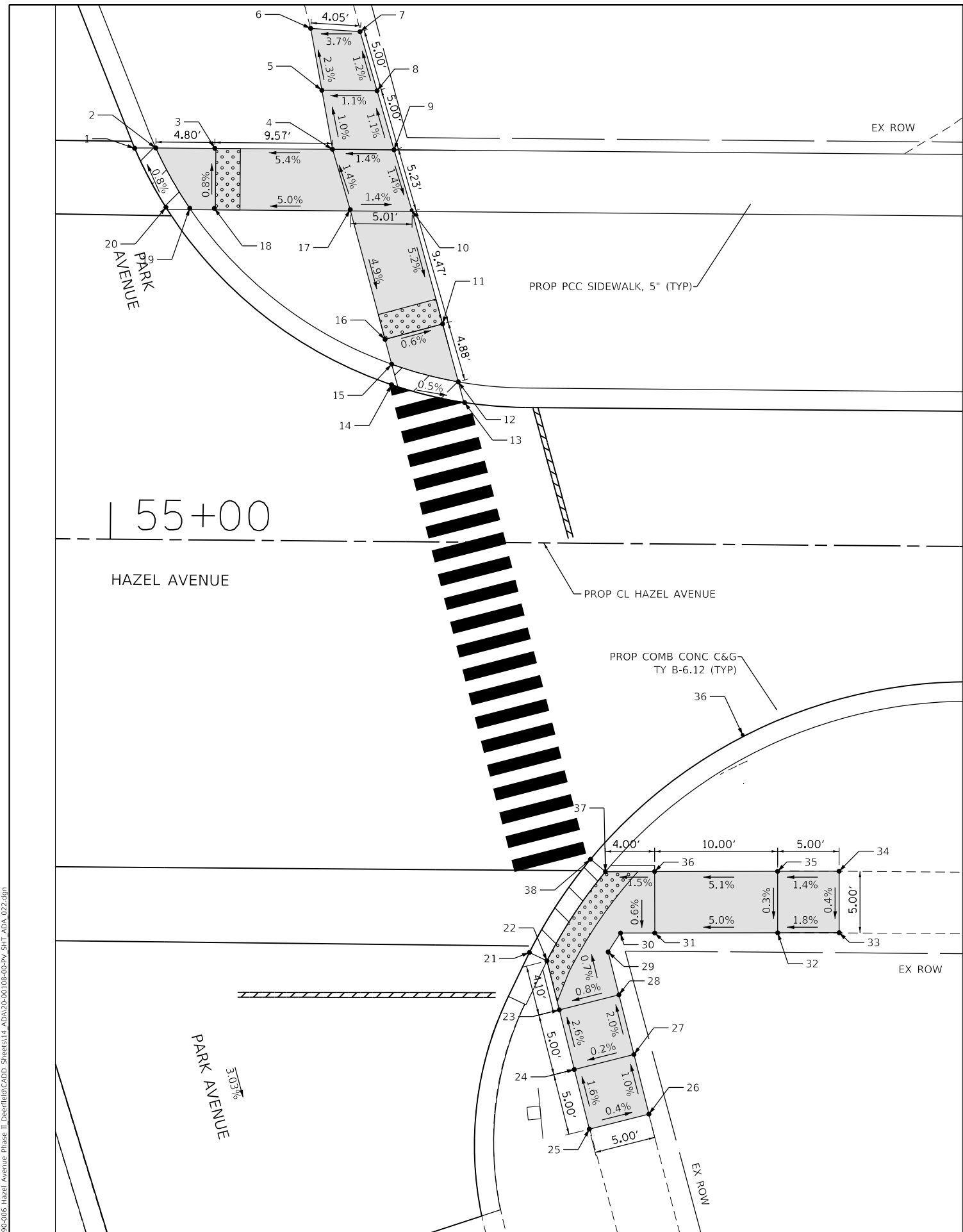
| | |
|----------|------------------|
| ILLINOIS | FED. AID PROJECT |
|----------|------------------|



LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

| ADA RAMPS PARK AVENUE | | | |
|-----------------------|----------|----------|-----------|
| POINT NO. | STATION | OFFSET | ELEVATION |
| 1 | 55+01.71 | 31.79 LT | 679.19 |
| 2 | 55+03.42 | 31.85 LT | 679.18 |
| 3 | 55+08.22 | 31.85 LT | 679.21 |
| 4 | 55+17.79 | 31.85 LT | 679.73 |
| 5 | 55+21.37 | 36.65 LT | 679.67 |
| 6 | 55+15.93 | 41.68 LT | 679.50 |
| 7 | 55+19.98 | 41.44 LT | 679.65 |
| 8 | 55+16.88 | 36.65 LT | 679.72 |
| 9 | 55+22.79 | 31.86 LT | 679.80 |
| 10 | 55+24.27 | 26.97 LT | 679.73 |
| 11 | 55+26.86 | 17.73 LT | 679.23 |
| 12 | 55+29.18 | 13.04 LT | 679.20 |
| 13 | 55+28.67 | 11.36 LT | 679.21 |
| 14 | 55+22.76 | 12.75 LT | 679.24 |
| 15 | 55+22.75 | 14.42 LT | 679.23 |
| 16 | 55+22.19 | 16.44 LT | 679.26 |
| 17 | 55+19.27 | 26.97 LT | 679.80 |
| 18 | 55+08.22 | 26.98 LT | 679.25 |
| 19 | 55+06.22 | 26.97 LT | 679.22 |
| 20 | 55+04.28 | 27.03 LT | 679.23 |
| 21 | 55+34.36 | 33.31 RT | 678.67 |
| 22 | 55+35.79 | 33.98 RT | 678.66 |
| 23 | 35+36.83 | 37.96 RT | 678.69 |
| 24 | 35+38.10 | 42.80 RT | 678.82 |
| 25 | 55+39.36 | 47.64 RT | 678.90 |
| 26 | 55+44.20 | 46.38 RT | 678.88 |
| 27 | 55+42.93 | 41.54 RT | 678.83 |
| 28 | 55+41.67 | 36.70 RT | 678.73 |
| 29 | 55+40.76 | 33.22 RT | 678.71 |
| 30 | 55+41.75 | 31.68 RT | 678.73 |
| 31 | 55+44.54 | 31.65 RT | 678.77 |
| 32 | 55+54.54 | 31.56 RT | 679.27 |
| 33 | 55+59.53 | 31.51 RT | 679.36 |
| 34 | 55+59.49 | 26.49 RT | 679.37 |
| 35 | 55+54.49 | 26.54 RT | 679.30 |
| 36 | 55+44.49 | 15.60 RT | 678.79 |
| 37 | 55+40.49 | 26.69 RT | 678.73 |
| 38 | 55+39.26 | 25.69 RT | 678.74 |



MODEL: D:\p1\11...
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 SHEET: ADA_022.dwg



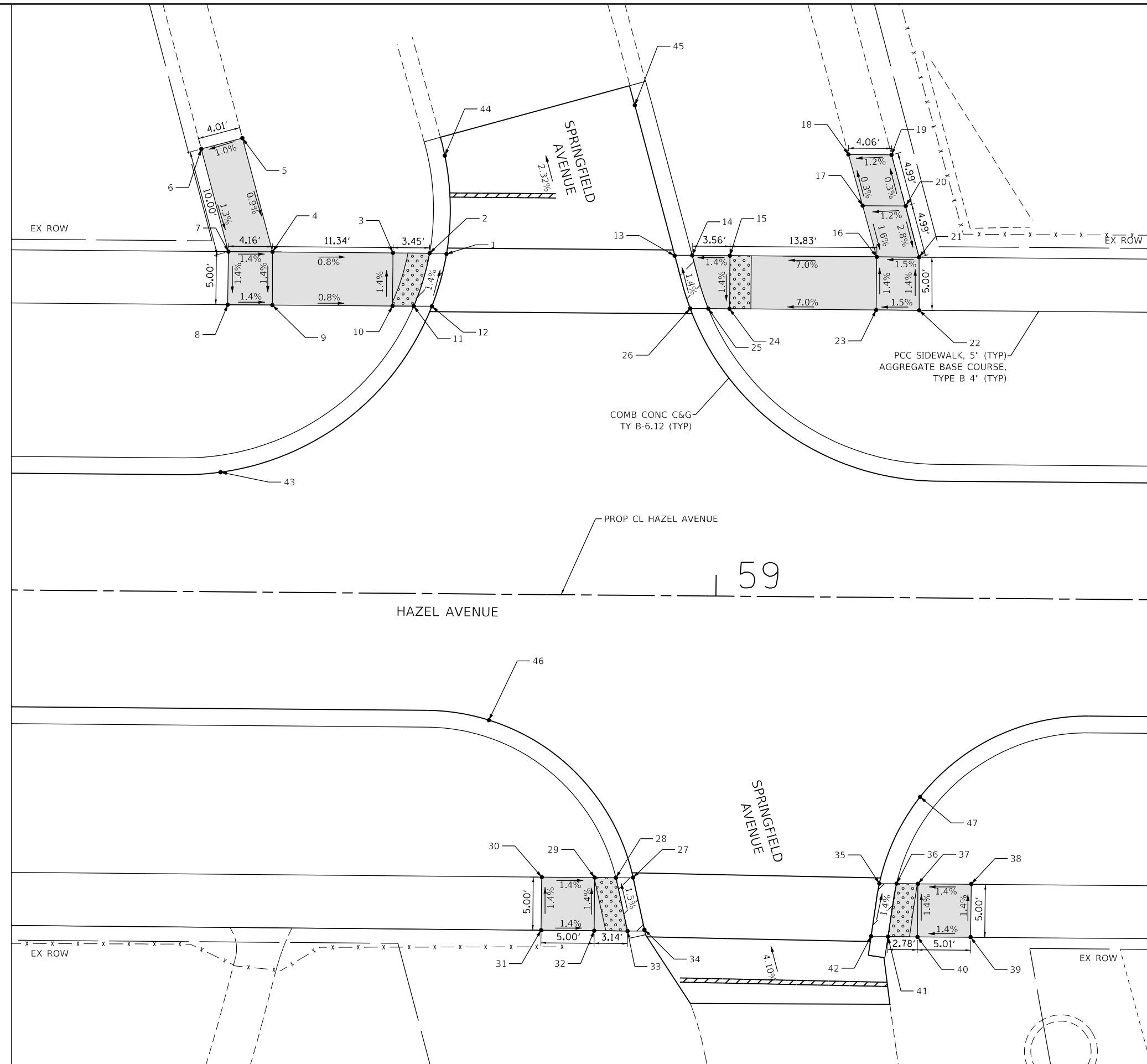
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|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS

SCALE: 1"=5' SHEET 22 OF 24 SHEETS STA. 54+70.55 TO STA. 55+63.65

| | | | | |
|---------------------------|------------------------|-------------|------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 149 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND

| | |
|--|---|
| | DETECTABLE WARNINGS |
| | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
| | DEPRESSED CURB |

ADA RAMPS SPRINGFIELD AVENUE

| POINT NO. | STATION | OFFSET | ELEVATION |
|-----------|----------|----------|-----------|
| 1 | 58+74.35 | 31.98 LT | 678.33 |
| 2 | 58+72.76 | 32.04 LT | 678.32 |
| 3 | 58+69.31 | 32.04 LT | 678.35 |
| 4 | 58+57.97 | 32.04 LT | 678.51 |
| 5 | 58+55.04 | 42.74 LT | 678.75 |
| 6 | 58+51.18 | 41.68 LT | 678.71 |
| 7 | 58+53.82 | 32.03 LT | 678.53 |
| 8 | 58+53.80 | 27.03 LT | 678.51 |
| 9 | 58+57.99 | 27.04 LT | 678.49 |
| 10 | 58+69.31 | 27.04 LT | 678.42 |
| 11 | 58+71.31 | 27.04 LT | 678.39 |
| 12 | 58+73.02 | 27.05 LT | 678.40 |
| 13 | 58+95.85 | 32.03 LT | 678.65 |
| 14 | 58+97.48 | 32.06 LT | 678.64 |
| 15 | 59+01.04 | 32.06 LT | 678.69 |
| 16 | 59+14.87 | 32.07 LT | 679.66 |
| 17 | 59+13.50 | 36.87 LT | 679.82 |
| 18 | 59+12.12 | 41.68 LT | 679.79 |
| 19 | 59+16.18 | 41.69 LT | 679.84 |
| 20 | 59+17.51 | 36.88 LT | 679.87 |
| 21 | 59+18.85 | 32.07 LT | 679.73 |
| 22 | 59+18.91 | 27.06 LT | 679.80 |
| 23 | 59+14.85 | 27.07 LT | 679.73 |
| 24 | 59+01.04 | 27.06 LT | 678.74 |
| 25 | 58+99.04 | 27.06 LT | 678.71 |
| 26 | 58+97.34 | 27.05 LT | 678.72 |
| 27 | 58+92.42 | 26.57 RT | 680.09 |
| 28 | 58+90.81 | 26.61 RT | 680.08 |
| 29 | 58+88.81 | 26.61 RT | 680.11 |
| 30 | 58+83.81 | 26.61 RT | 680.18 |
| 31 | 58+83.81 | 31.61 RT | 680.25 |
| 32 | 58+88.81 | 31.61 RT | 680.18 |
| 33 | 58+91.95 | 31.61 RT | 680.16 |
| 34 | 58+93.45 | 31.48 RT | 680.17 |
| 35 | 59+15.62 | 26.94 RT | 680.16 |
| 36 | 59+17.23 | 26.93 RT | 680.15 |
| 37 | 59+19.25 | 26.93 RT | 680.18 |
| 38 | 59+24.27 | 26.90 RT | 680.25 |
| 39 | 59+24.25 | 31.90 RT | 680.32 |
| 40 | 59+19.25 | 31.93 RT | 680.25 |
| 41 | 59+16.47 | 31.93 RT | 680.22 |
| 42 | 59+14.88 | 31.90 RT | 680.23 |
| 43 | 58+53.26 | 11.26 LT | 678.80 |
| 44 | 58+74.12 | 41.25 LT | 678.17 |
| 45 | 58+91.94 | 46.23 LT | 678.07 |
| 46 | 58+78.80 | 11.88 RT | 679.46 |
| 47 | 59+19.39 | 18.75 RT | 680.04 |



MODEL: D:\default
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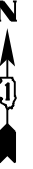
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| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


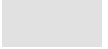
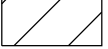
**HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS**

SCALE: 1"=5' SHEET 23 OF 24 SHEETS STA. 58+33.65 TO STA. 59+40.99

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 150 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

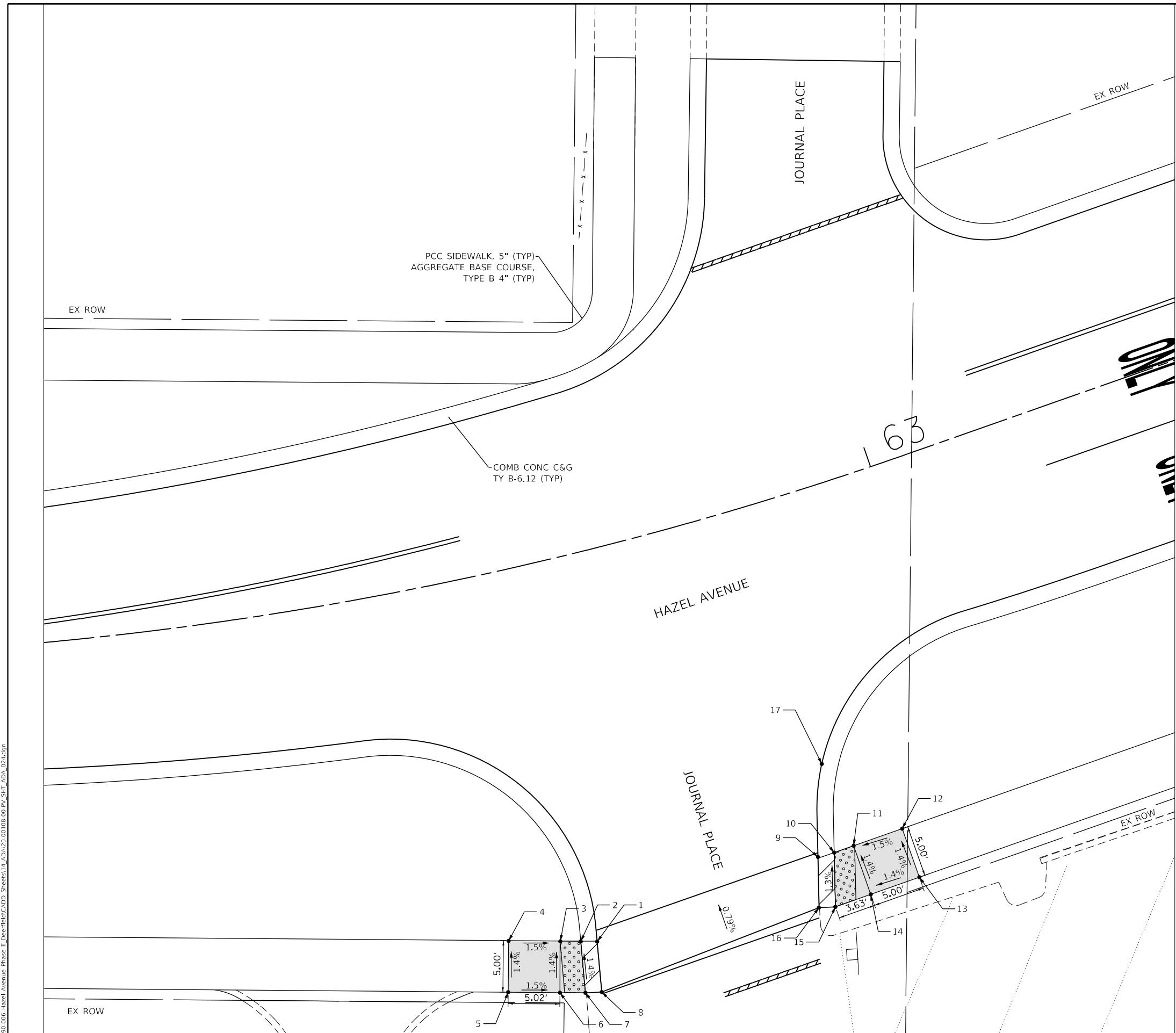


LEGEND

| | |
|---|---|
|  | DETECTABLE WARNINGS |
|  | PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B 4" (TYP) |
|  | DEPRESSED CURB |

ADA RAMPS JOURNAL PLACE

| POINT NO. | STATION | OFFSET | ELEVATION |
|-----------|----------|----------|-----------|
| 1 | 62+63.87 | 37.16 RT | 684.75 |
| 2 | 62+62.47 | 36.81 RT | 684.74 |
| 3 | 62+60.70 | 36.36 RT | 684.77 |
| 4 | 62+56.30 | 35.27 RT | 684.84 |
| 5 | 62+55.35 | 40.15 RT | 684.91 |
| 6 | 62+59.74 | 41.23 RT | 684.84 |
| 7 | 62+61.89 | 41.77 RT | 684.81 |
| 8 | 62+63.29 | 42.03 RT | 684.82 |
| 9 | 62+84.55 | 34.58 RT | 684.21 |
| 10 | 62+86.03 | 34.62 RT | 684.20 |
| 11 | 62+87.84 | 34.52 RT | 684.23 |
| 12 | 62+92.39 | 34.32 RT | 684.30 |
| 13 | 62+92.54 | 39.32 RT | 684.37 |
| 14 | 62+88.05 | 39.52 RT | 684.30 |
| 15 | 62+84.79 | 39.70 RT | 684.27 |
| 16 | 62+83.41 | 39.33 RT | 684.28 |
| 17 | 62+87.22 | 26.03 RT | 684.92 |



MODEL: D:\p1\11...
 FILE NAME: P:\030-006-Hazel Avenue Phase II_Design\CADD_Sheets\14_ADA\20-00108-00-PV_SHT_ADA_021.dgn



| | | |
|------------------------------|-----------------|----------|
| USER NAME = gellwanger | DESIGNED - | REVISD - |
| PLOT SCALE = 10.0000 ' / in. | DRAWN - | REVISD - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISD - |
| | DATE 09/09/2024 | REVISD - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
ADA RAMP DETAILS**

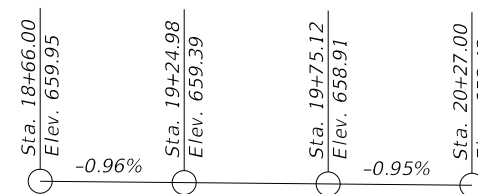
SCALE: 1"=5' SHEET 24 OF 24 SHEETS STA. 62+17.84 TO STA. 63+31.28

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 151 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

Benchmark:
 BM #1 - Top of hydrant at Sta. 16+88.71, 32 ft. Lt.
 Elev. 660.17
 BM #2 - Top of hydrant at Sta. 21+26.71, 20 ft. Lt.
 Elev. 660.54

Existing Structure: S.N. 049-6152 was originally built in 1968 by the Village of Deerfield. In 2009, the existing superstructure was removed and replaced. The structure length measures 50'-1 3/4" from back-to-back of abutments and the roadway width measures 24'-0" from face-to-face of curb. Bridge deck concrete sealer will be applied on the bridge deck. Traffic will be maintained using stage construction.

Salvage: None



PROFILE GRADE LINE - HAZEL AVENUE

SCOPE OF WORK

Apply bridge deck concrete sealer to the top surface of roadway, top surface of sidewalks, inside vertical face of sidewalks, and inside vertical faces of concrete bridge rail.

LEGEND

Surface Area for Concrete Sealer

SUPERSTRUCTURE LOADING HS 25
SUBSTRUCTURE LOADING HS 20
 Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
 2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS (EXISTING)

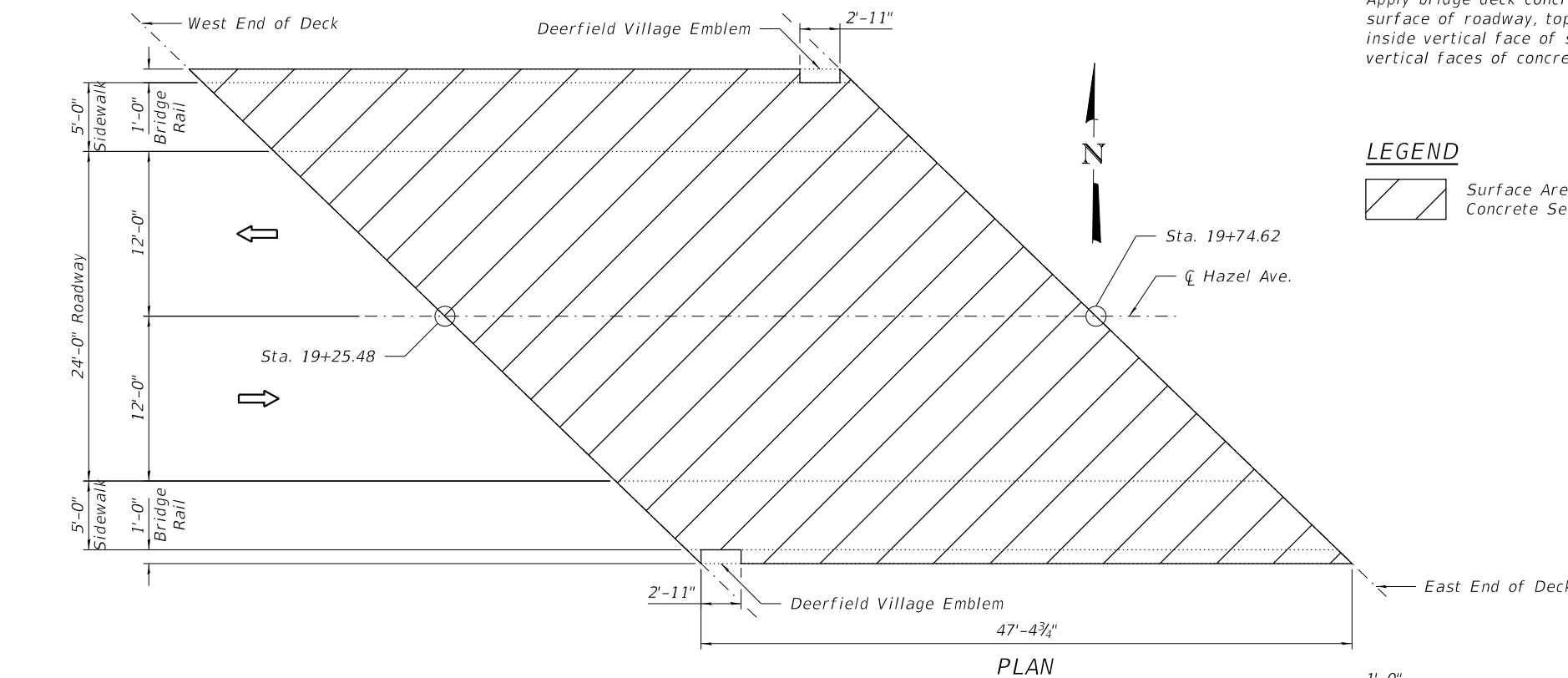
$f'_c = 3,500$ psi (Super)
 $f'_c = 1,000$ psi (Sub)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)
 $v_s = 75$ psi (Ftg)
 $f_s = 20,000$ psi (Reinforcement)

PRECAST PRESTRESSED UNITS

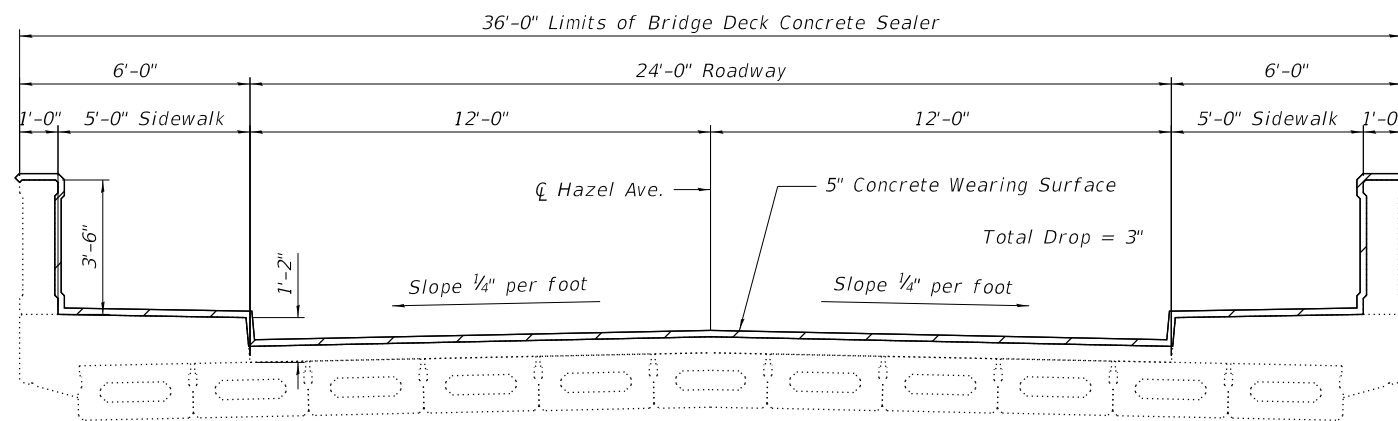
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 $f'_{ci} = 5,000$ psi
 $f'_s = 270,000$ psi (1/2" low lax strands)
 $f'_{si} = 201,960$ psi (1/2" low lax strands)

SEISMIC DATA

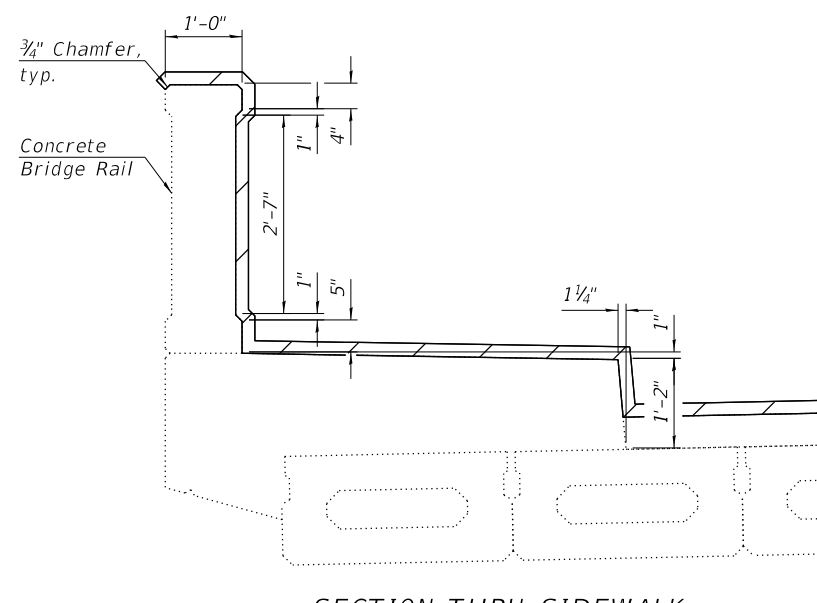
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 Site Coefficient (S) = 1.0



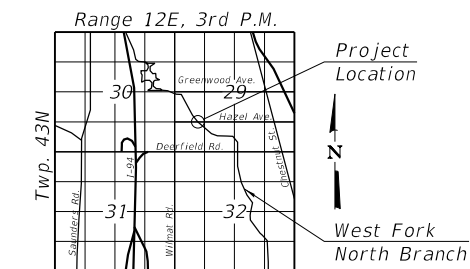
PLAN



CROSS SECTION
 (Looking East)



SECTION THRU SIDEWALK



LOCATION SKETCH

GENERAL PLAN & ELEVATION
HAZEL AVE
SEC. 20-00108-00-PU
LAKE COUNTY
STA. 19+50.71
STRUCTURE NO. 049-6152

FILE NAME = F:\090-006_Hazel Avenue Phase II\Deerfield\CADD_Sheets\Structural\SHF-01_Bridge Deck_Seal.dgn



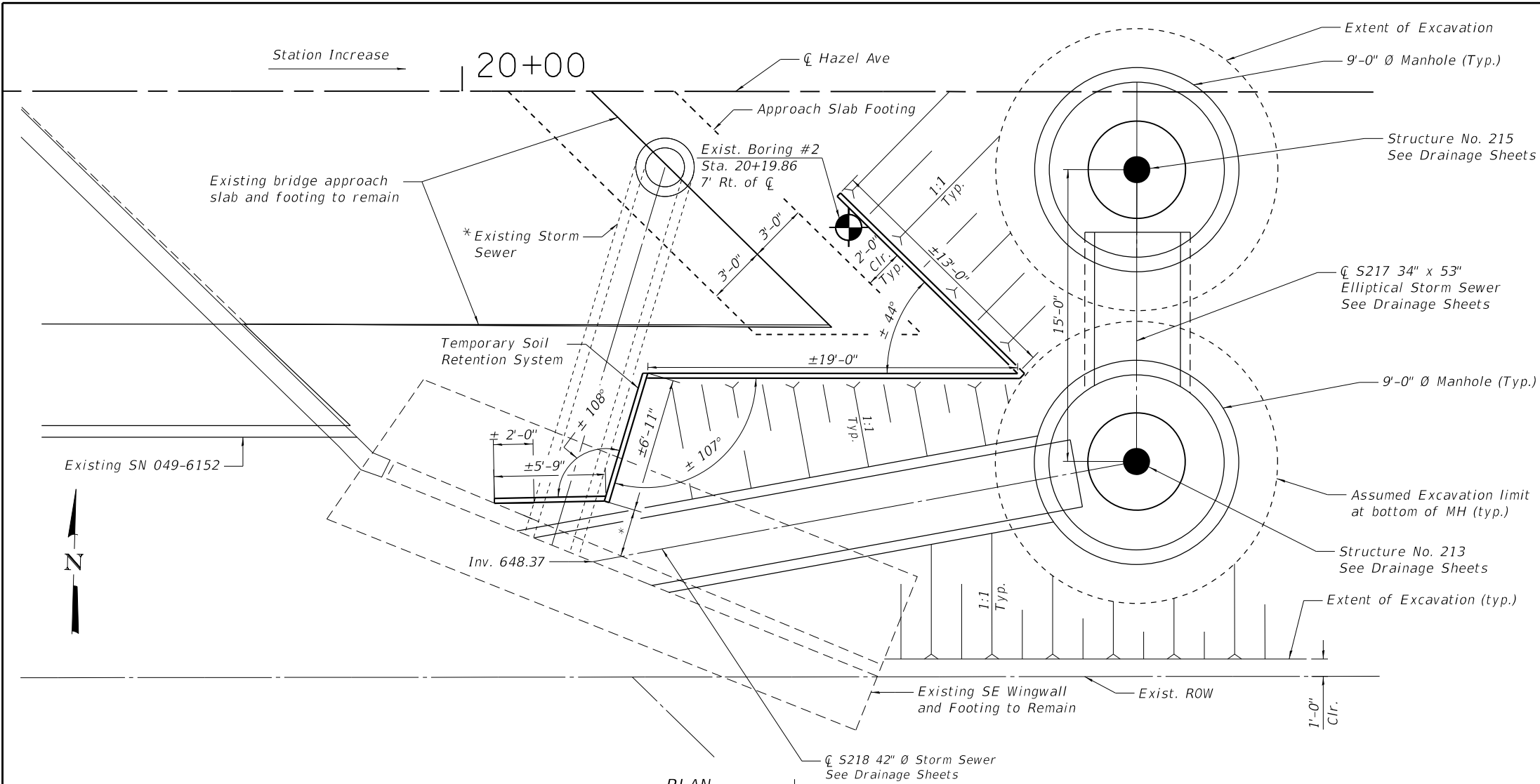
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| USER NAME = | DESIGNED KN | REVISED - |
| | CHECKED PRD | REVISED - |
| PLOT SCALE = | DRAWN KN | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED PRD | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE - VILLAGE OF DEERFIELD
 BRIDGE DECK CONCRETE SEALER

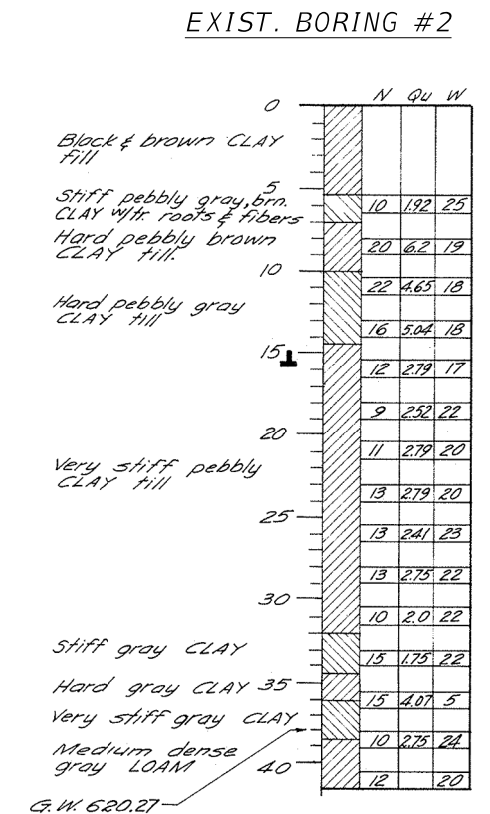
SHEET NO. 1 OF 2 SHEETS

| | | | | |
|-------------|----------------|---------------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| XXX | 20-00108-00-PV | LAKE | 221 | 152 |
| | | | CONTRACT NO. 61K74 | |
| | | ILLINOIS FED. AID PROJECT | | |



PLAN

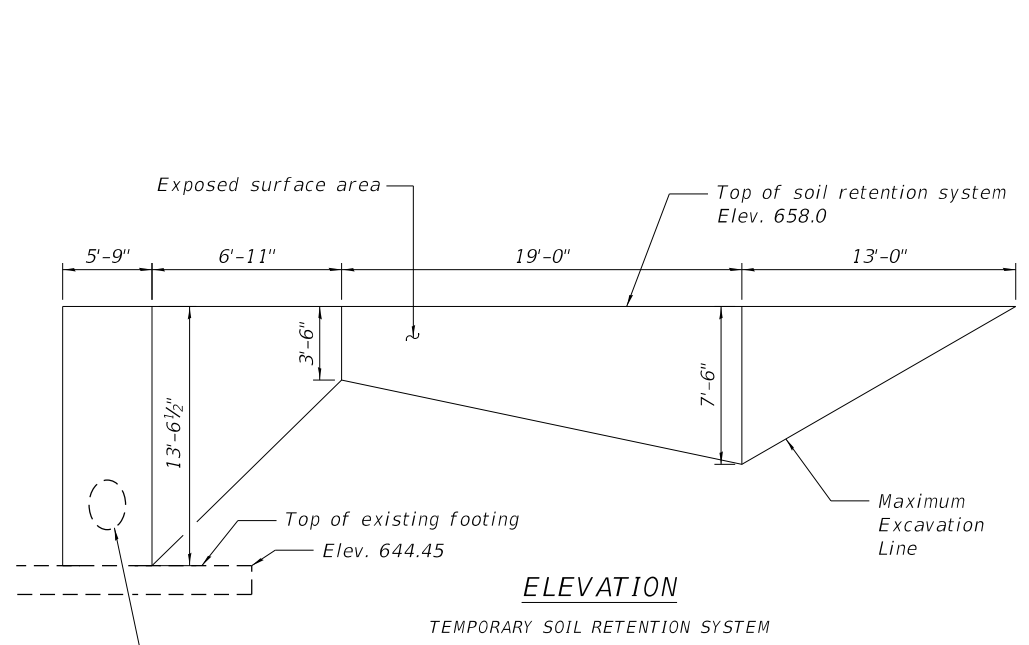
Notes
 Attach the temporary soil retention system to the SE Wing Wall.
 Cost of all excavation and backfill is included in drainage items.
 The existing bridge approach slab and footing shall be protected from damage and settlement.
 * The Contractor shall determine limit of concrete removal (3 ft estimated for bid purposes).



Notes
 N = Number of blows, in Std. Penetration Test, required to drive 2" split spoon sampler 12" with 140 lb. hammer falling 30"
 Qu = Unconfined compressive strength in tons per sq. ft.
 W = Water content, percentage of oven dry weight.

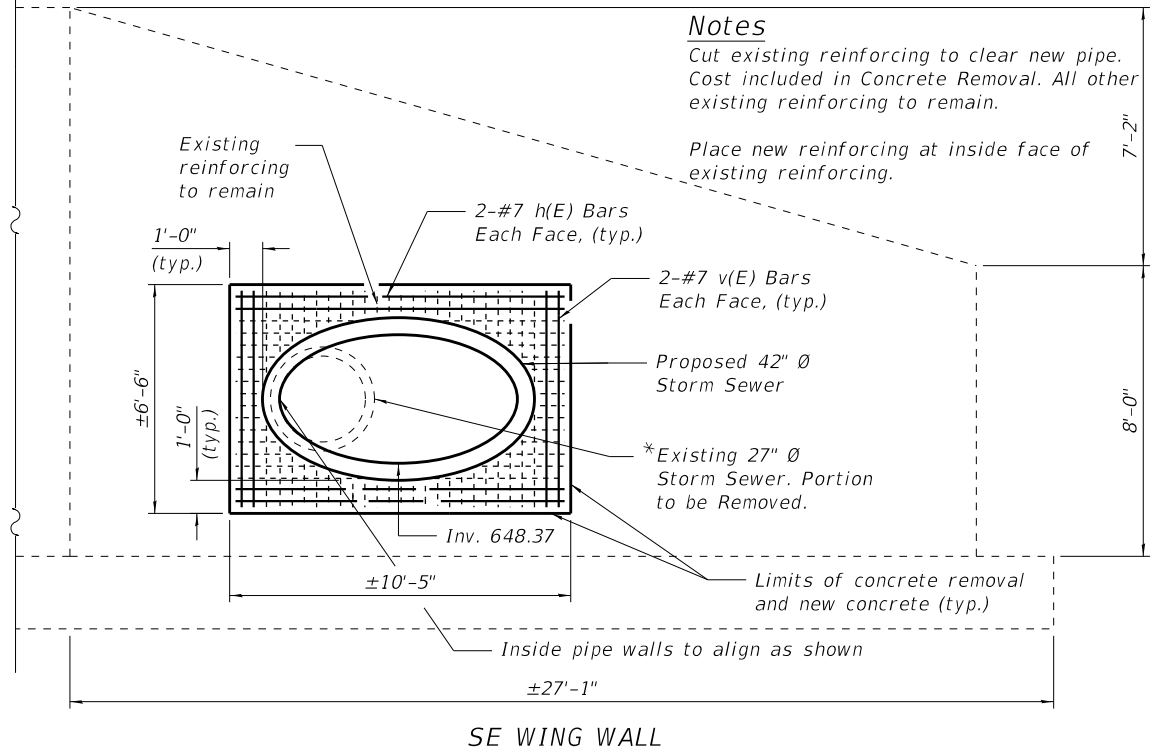
SE WING WALL BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|------|----------|-------|
| h(E) | 8 | #7 | 10'-2" | — |
| v(E) | 8 | #7 | 5'-3" | — |
| Concrete Removal | | | Cu. Yds. | 1.9 |
| Concrete Structures | | | Cu. Yds. | 1.3 |
| Reinforcement Bars, Epoxy Coated | | | Lbs. | 260 |
| Temporary Soil Retention System | | | Sq. Ft. | 290.2 |
| Bridge Deck Concrete Sealer | | | Sq. Ft. | 2324 |



ELEVATION

* Contractor to verify location and alignment of existing storm sewer prior to designing Temporary Soil Retention System.



SE WING WALL

Notes
 Cut existing reinforcing to clear new pipe. Cost included in Concrete Removal. All other existing reinforcing to remain.
 Place new reinforcing at inside face of existing reinforcing.

FILE NAME = F:\0900-006_Hazel Avenue Phase II_Deerfield\CADD_Sheets\Structural\SHR-02_TSBS_Approach_Slab.dgn



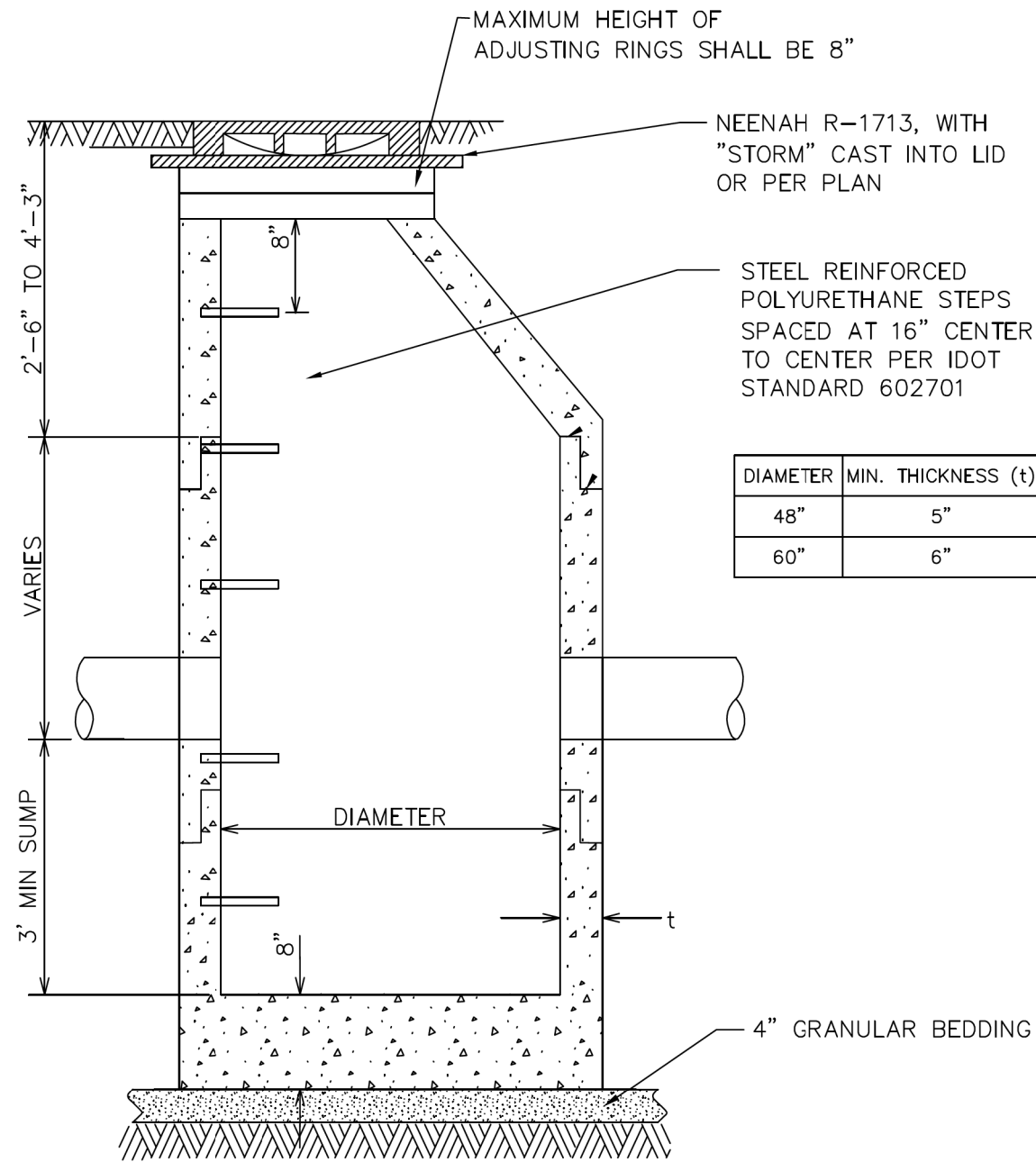
| | | |
|-----------------------|--------------|-----------|
| USER NAME = | DESIGNED JJI | REVISED - |
| CHECKED PRD | REVISED - | |
| PLOT SCALE = | DRAWN KN | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED PRD | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE - VILLAGE OF DEERFIELD
 TEMPORARY SOIL RETENTION SYSTEM

SHEET NO. 2 OF 2 SHEETS

| | | | | |
|-------------|----------------|------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| XXX | 20-00108-00-PV | LAKE | 221 | 153 |
| | | | CONTRACT NO. 61K74 | |
| ILLINOIS | | FED. AID PROJECT | | |



| DIAMETER | MIN. THICKNESS (t) |
|----------|--------------------|
| 48" | 5" |
| 60" | 6" |

- NOTES:**
1. PRECAST REINFORCED CONCRETE SECTIONAL PER ASTM C-478 AND PREFORMED BITUMINOUS JOINTS WITH INTEGRAL PRECAST BOTTOM.
 2. PIPE OPENINGS SHALL BE PRECAST INTO WALLS.
 3. ALL PIPE PENETRATIONS SHALL BE BRICK AND MORTARED, INSIDE AND OUT.
 4. HIGH DENSITY POLYETHYLENE (HDPE) PLASTIC ADJUSTING RINGS AND STEEL RING WEDGES OR SHIMS SHALL BE USED FOR FINAL FRAME ADJUSTMENTS.
 5. FLAT TOPS SHALL BE ACCORDING TO IDOT STANDARD 602601.

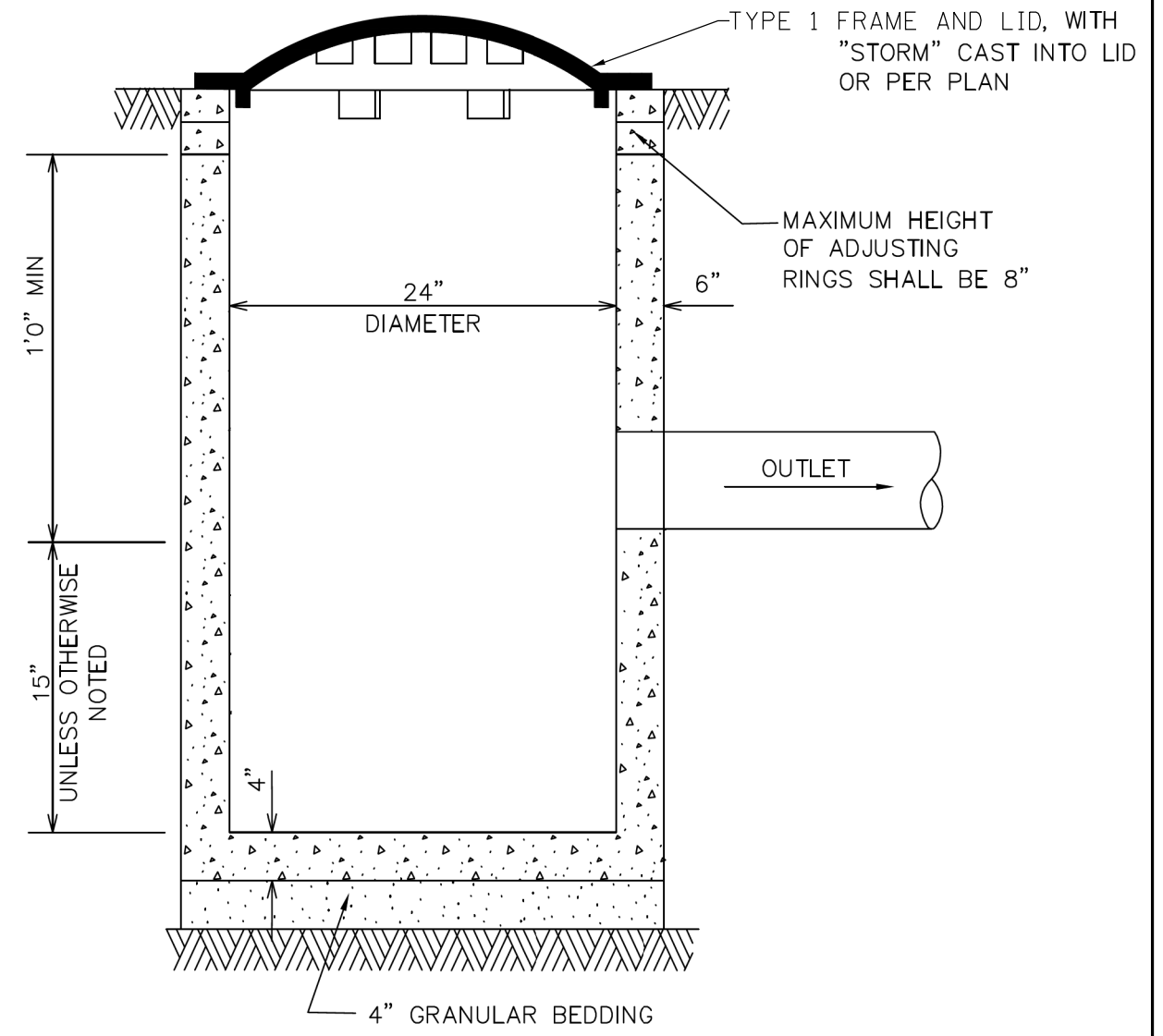
REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

CATCH BASIN TYPE A DETAIL

NOT TO SCALE



- NOTES:**
1. PRECAST REINFORCED CONCRETE SECTIONAL PER ASTM C-478 AND PREFORMED BITUMINOUS JOINTS WITH INTEGRAL PRECAST BOTTOM.
 2. PIPE OPENINGS SHALL BE PRECAST INTO WALLS.
 3. ALL PIPE PENETRATIONS SHALL BE BRICK AND MORTARED, INSIDE AND OUT.
 4. HIGH DENSITY POLYETHYLENE (HDPE) PLASTIC ADJUSTING RINGS AND STEEL RING WEDGES OR SHIMS SHALL BE USED FOR FINAL FRAME ADJUSTMENTS.
 5. MAXIMUM DEPTH FROM INVERT OF OUTLET PIPE TO TOP OF FRAME SHALL NOT EXCEED 42 INCHES, IF DESIGN OR CONSTRUCTION REQUIRES DEPTH BEYOND 42 INCHES, STRUCTURE SHALL BE REVISED TO A CATCH BASIN, TYPE A, 48 INCH DIAMETER.

REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

CATCH BASIN TYPE C DETAIL

NOT TO SCALE

MODEL: Default
 FILE NAME: E:\090-006_Hazel_Avenue_Phase_II_Deerfield\CADD_Sheets\15_Deerfield\CADD_Sheets\15_Deerfield\20-00108-00-PV_51IT_Construction_Details_Village.dgn



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0001' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
CONSTRUCTION DETAILS

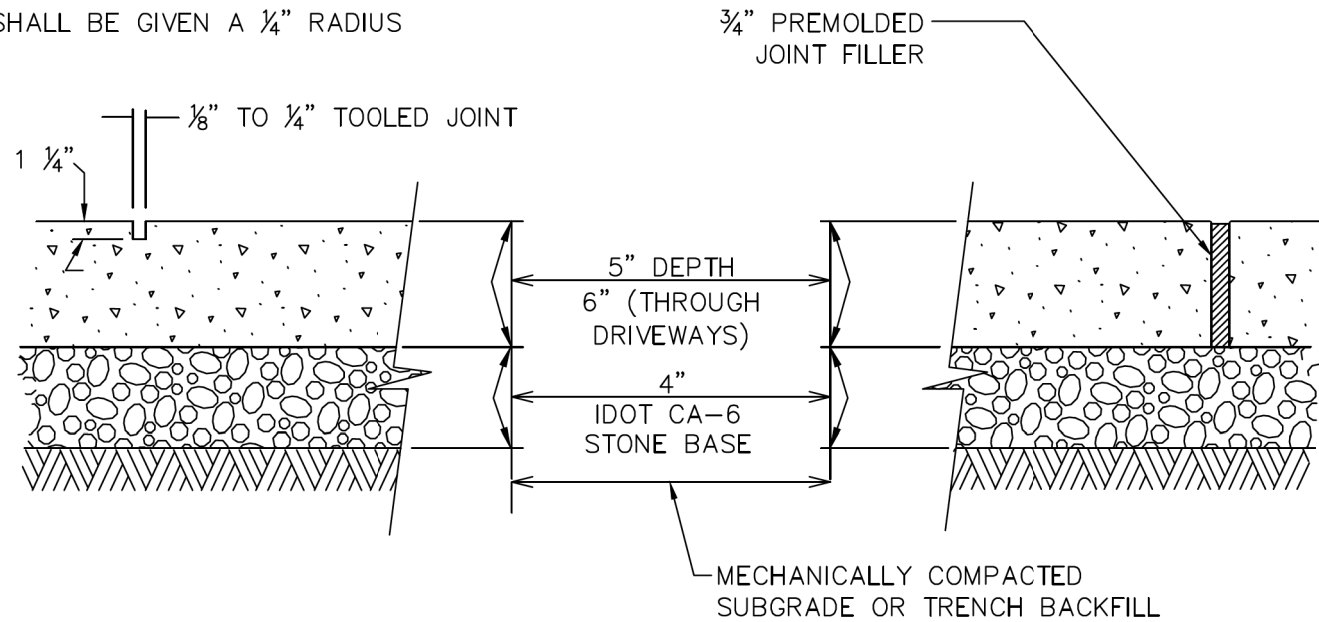
SCALE: NTS SHEET 1 OF 5 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1263 | 20-00108-00-PV | LAKE | 221 | 154 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

CONTRACTION JOINT DETAIL

EXPANSION JOINT DETAIL

*THE EDGE OF THE CONTROL JOINTS SHALL BE GIVEN A 1/4" RADIUS



NOTES:

- UNLESS OTHERWISE NOTED, CONTRACTION JOINTS SHALL BE AT 5'-0" O.C.
- EXPANSION JOINTS SHALL BE SET AT 50' MAX INTERVALS AND AT BACK OF CURB, CHANGE OF DIRECTION, ABUTTING EXISTING CONCRETE, UTILITY APPURTENANCE, OR FACE OF STRUCTURE.
- PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 1020 OF THE STANDARD SPECIFICATIONS.

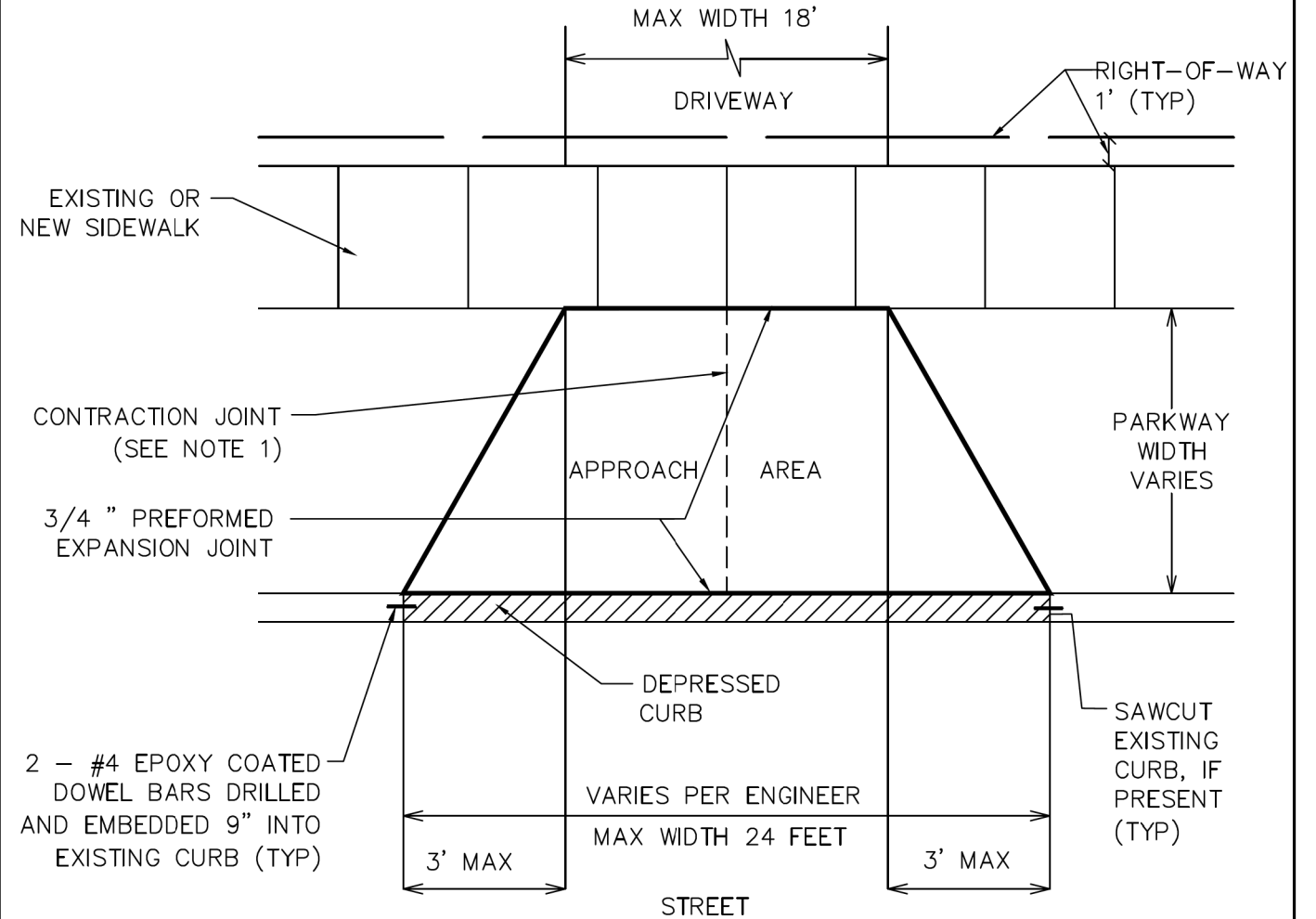
REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

CONCRETE SIDEWALK JOINT DETAILS

NOT TO SCALE



NOTES:

- FOR CONCRETE APPROACH WIDER THAN 16', A CONTRACTION JOINT SHALL BE LOCATED ALONG THE CENTERLINE. THE CONTRACTION JOINT SHALL BE 1/8" TO 1/4" WIDE, 1 1/4" DEEP WITH EDGES GIVEN A 1/4" RADIUS.
- MINIMUM CONCRETE DRIVEWAY SECTIONS:
 APPROACH: 6" PORTLAND CEMENT CONCRETE
 4" IDOT CA-6 STONE BASE
 DRIVEWAY: 6" PORTLAND CEMENT CONCRETE
 4" IDOT CA-6 STONE BASE
- MINIMUM ASPHALT DRIVEWAY SECTIONS:
 APPROACH: 6" IDOT CA-6 STONE BASE
 3" HOT-MIX ASPHALT
 DRIVEWAY: 4" IDOT CA-6 STONE BASE
 3" HOT-MIX ASPHALT
- BRICK PAVERS OR OTHER ARCHITECTURAL PAVING MATERIALS ARE NOT ALLOWED IN A DRIVEWAY APPROACH AREA WITHOUT A BUILDING PERMIT, A HOLD HARMLESS AGREEMENT FROM THE BUILDING DEPARTMENT, AND WRITTEN PERMISSION.
- MAINTAIN FULL SIDEWALK WIDTH THROUGH DRIVEWAYS UNLESS OTHERWISE DIRECTED BY THE VILLAGE. CURBING SHALL NOT RUN THROUGH SIDEWALK AREAS IN DRIVEWAYS.

REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

RESIDENTIAL DRIVEWAY DETAIL

NOT TO SCALE

MODEL: Default; FILE NAME: P:\090-006_Hazel_Avenue_Phase_II_Deerfield\CADD_Sheets\15_Deerfield\20-00108-00-PV_51IT_Construction_Details_Village.dgn



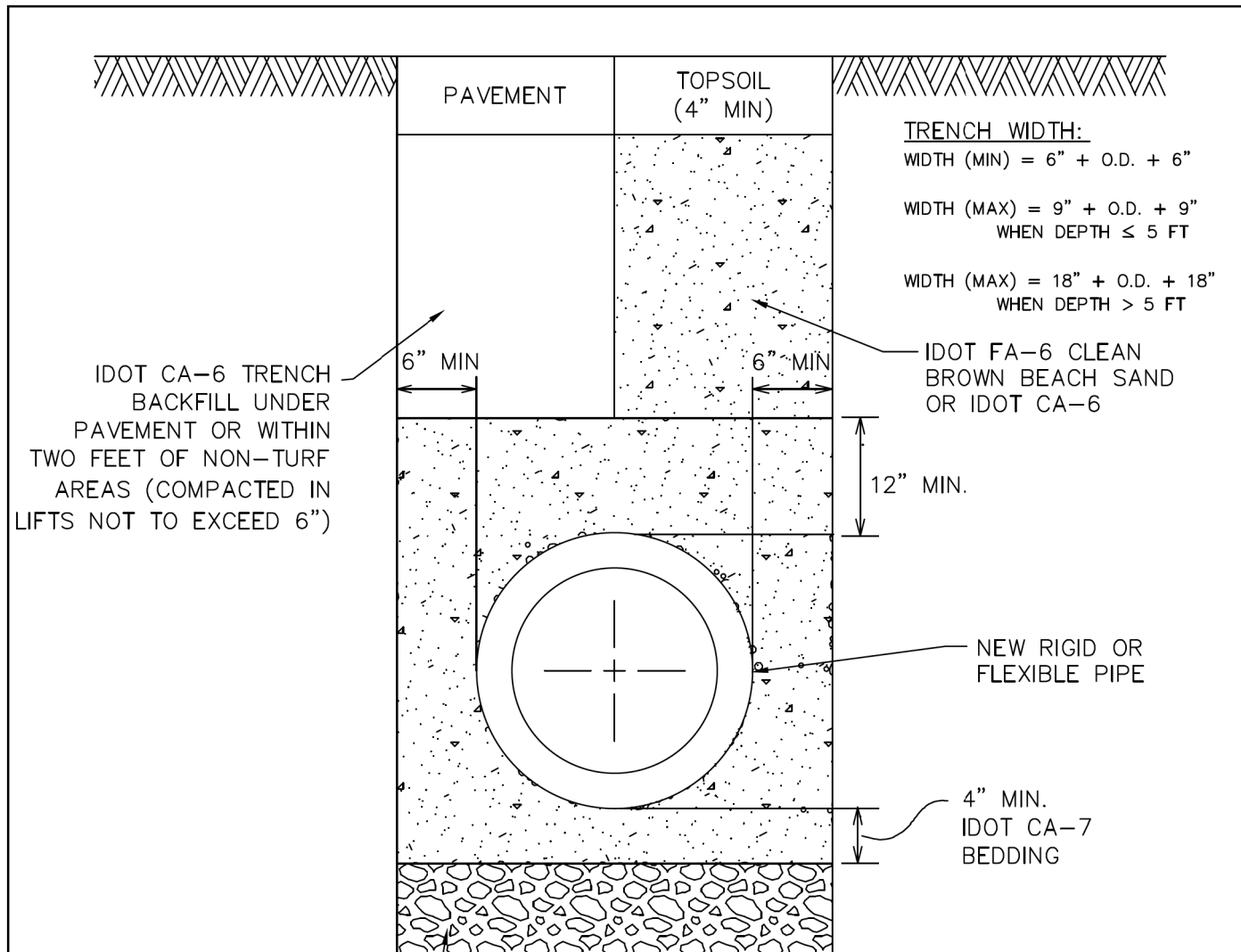
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|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 40,0001' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
CONSTRUCTION DETAILS

SCALE: NTS SHEET 2 OF 5 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1263 | 20-00108-00-PV | LAKE | 221 | 155 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



- NOTES:**
1. ALL TRENCH EXCAVATIONS SHALL MEET OSHA REQUIREMENTS.
 2. BACKFILL ON PRIVATE PROPERTY: CA-6 BACKFILL RECOMMENDED BY VILLAGE. INORGANIC EXCAVATED MATERIAL ACCEPTABLE ON PRIVATE PROPERTY.
 3. ALL EXCAVATIONS WITHIN THE ROW SHALL USE COMPACTED STONE OR SAND AS BACKFILL MATERIAL. EXCAVATED MATERIALS SHALL NOT BE ALLOWED.

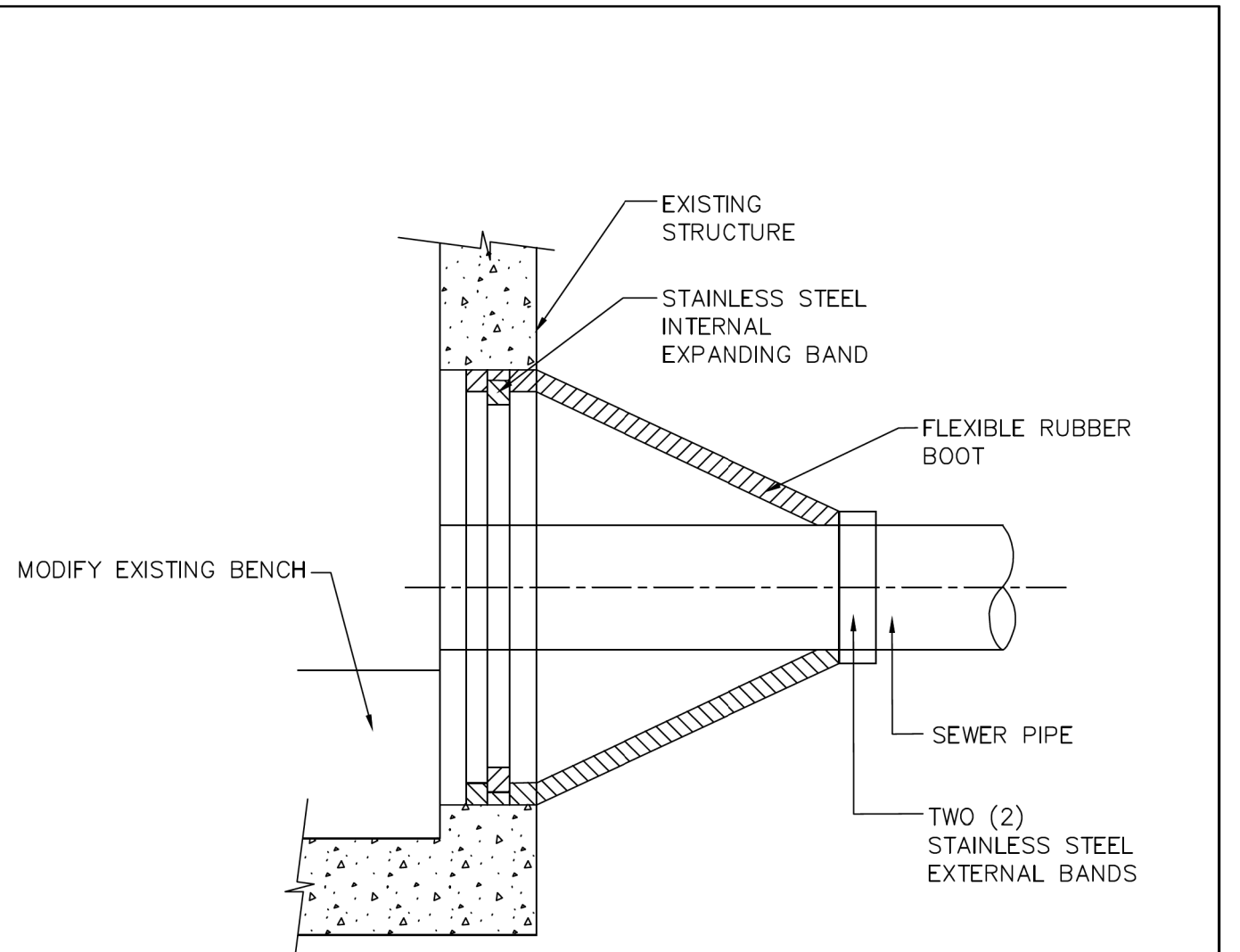
REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

PIPE TRENCH DETAIL

NOT TO SCALE



- NOTES:**
1. MACHINE CORE CIRCULAR OPENING IN STRUCTURE WALL OF DIAMETER TO FIT THE REQUIRED BOOT SIZE.
 2. KOR-N SEAL FLEXIBLE RUBBER BOOT MANUFACTURED BY NATIONAL POLLUTION CONTROL SYSTEMS, INC. OR AS APPROVED BY THE ENGINEERING DEPARTMENT. RESILIENT WATERTIGHT SLEEVE WITH STAINLESS STEEL TRIM PER ASTM C-923.
 3. CUT, SHAPE, AND SLOPE NEW INVERT CHANNEL IN THE EXISTING CONCRETE BENCH FOR SMOOTH FLOW.
 4. CLEAN EXISTING STRUCTURE OF ANY DIRT, CONCRETE OR DEBRIS WHICH MAY ACCUMULATE DURING THE CONSTRUCTION PROCESS.
 5. THIS WORK SHALL BE INCLUDED IN THE COST OF ASSOCIATED PROPOSED STORM SEWER TO BE INSTALLED.

REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

PIPE CONNECTION TO EXISTING STRUCTURE

NOT TO SCALE

MODEL: Default; FILE NAME: F:\030-006_Hazel_Avenue_Phase_II_Deerfield\CADD_Sheets\15_Detail\20-00108-00-PV_511T_Construction_Detail_Village.dgn



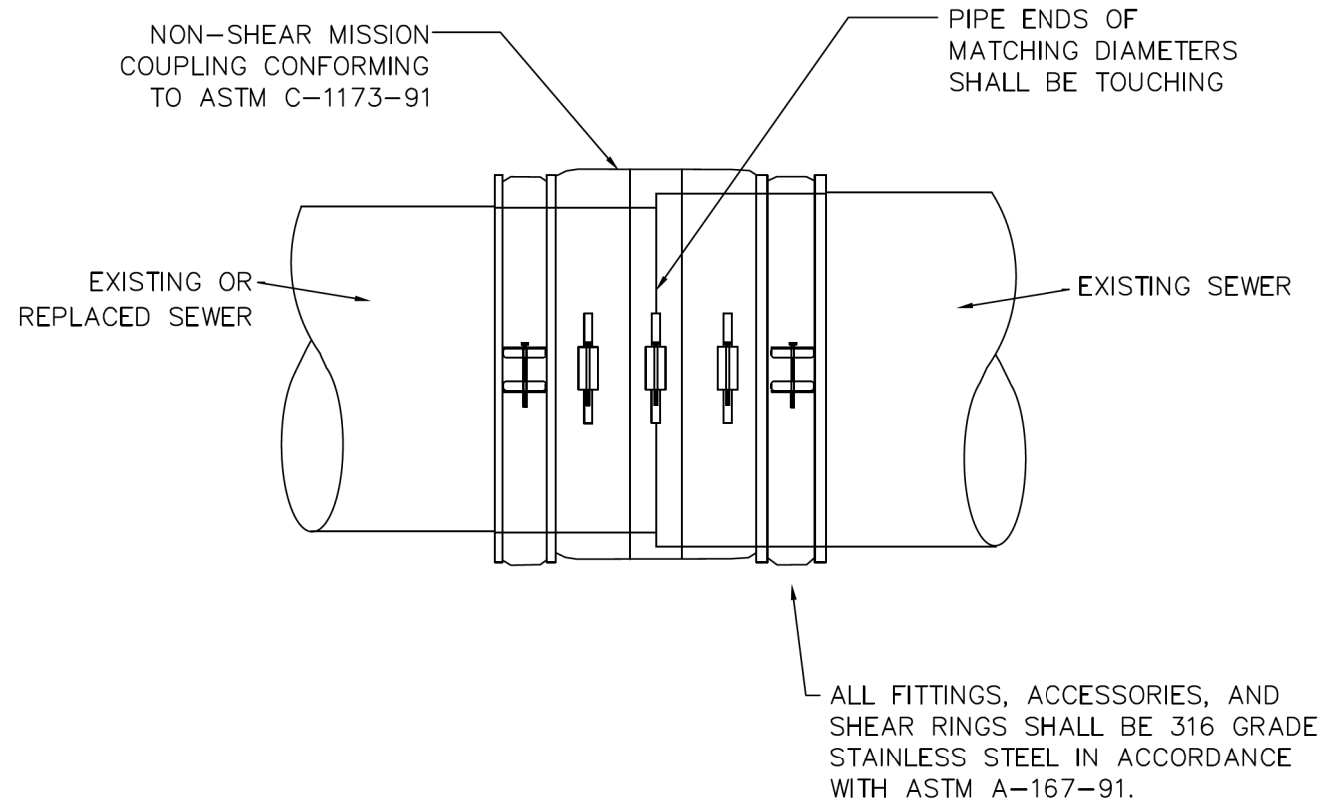
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| PLOT SCALE = 40,0001' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
CONSTRUCTION DETAILS

SCALE: NTS SHEET 3 OF 5 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1263 | 20-00108-00-PV | LAKE | 221 | 156 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



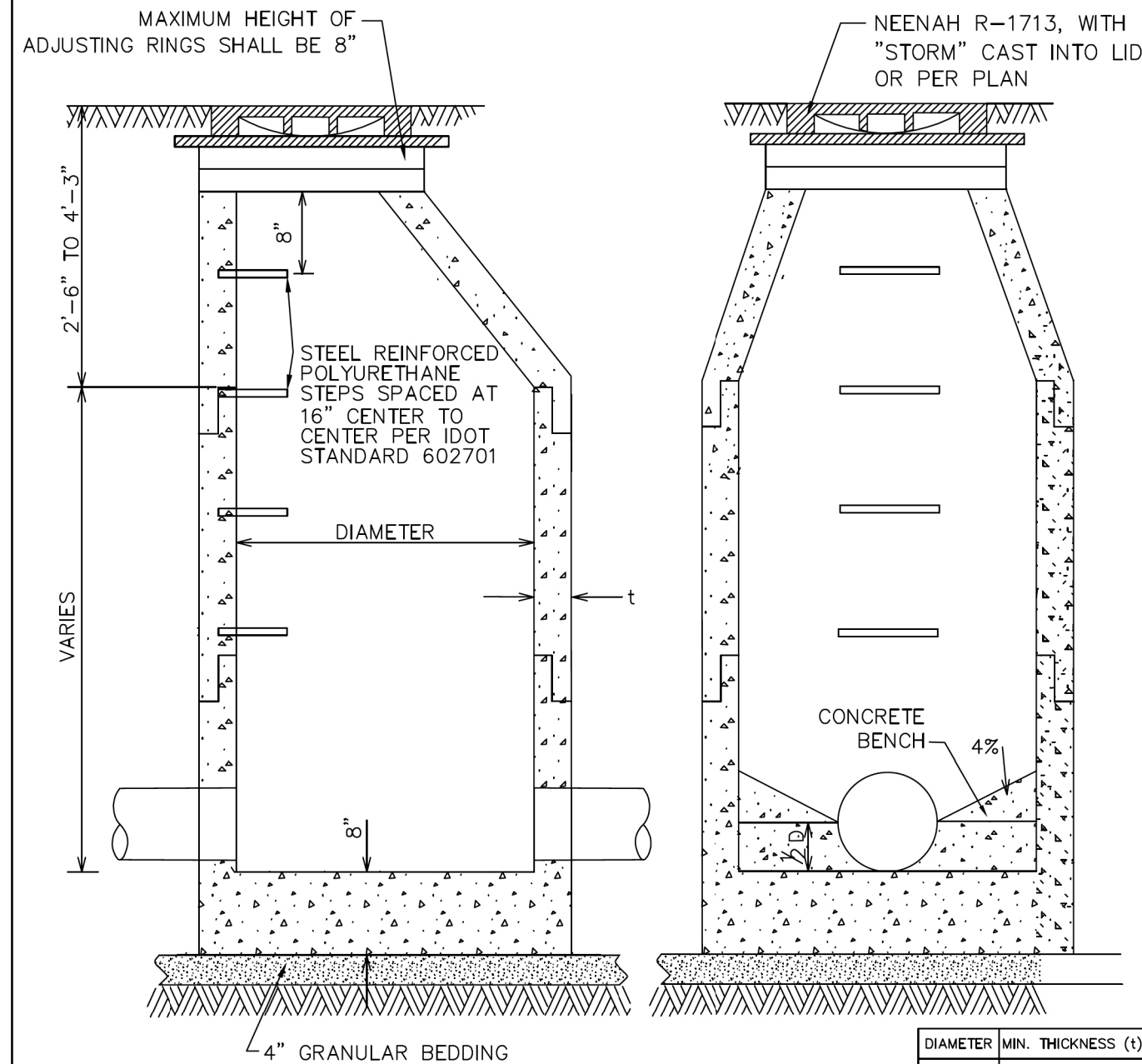
REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

PIPE COUPLING DETAIL

NOT TO SCALE



| DIAMETER | MIN. THICKNESS (t) |
|----------|--------------------|
| 48" | 5" |
| 60" | 6" |

NOTES:

1. PRECAST REINFORCED CONCRETE SECTIONAL PER ASTM C-478 AND PREFORMED BITUMINOUS JOINTS WITH INTEGRAL PRECAST BOTTOM.
2. PIPE OPENINGS SHALL BE PRECAST INTO WALLS.
3. ALL PIPE PENETRATIONS SHALL BE BRICK AND MORTARED, INSIDE AND OUT.
4. HIGH DENSITY POLYETHYLENE (HDPE) PLASTIC ADJUSTING RINGS AND STEEL RING WEDGES OR SHIMS SHALL BE USED FOR FINAL FRAME ADJUSTMENTS.
5. FLAT TOPS SHALL BE ACCORDING TO IDOT STANDARD 602601.

REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

PRECAST MANHOLE TYPE A DETAIL

NOT TO SCALE

MODEL: Default
 FILE NAME: E:\090-006_Hazel_Avenue_Phase_II_Deerfield\CADD_Sheets\15_Deerfield\20-00108-00-PV_SJT_Construction_Details_Village.dgn



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 40,0001' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

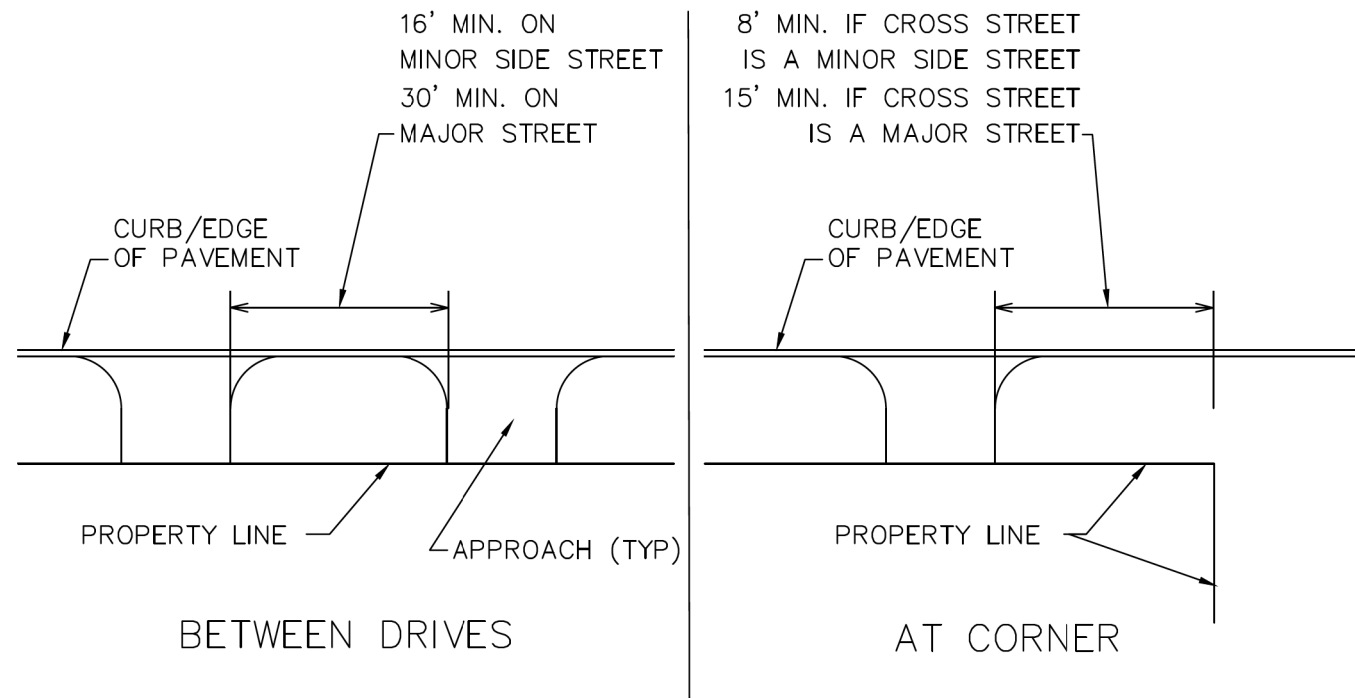
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
CONSTRUCTION DETAILS

SCALE: NTS SHEET 4 OF 5 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1263 | 20-00108-00-PV | LAKE | 221 | 157 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

DRIVEWAY LOCATION AND SPACING



MAXIMUM DRIVEWAY WIDTHS:

WIDTH OF DRIVEWAY: 35'
 WIDTH OF DRIVEWAY AT CURB OR
 EDGE OF PAVEMENT: 41'

NUMBER OF ENTRANCES AND EXITS PERMITTED:

THE VILLAGE RESERVES THE RIGHT TO
 ESTABLISH A MAXIMUM NUMBER OF EXIT AND
 ENTRANCE LANES BASED UPON THE PARKING
 CAPACITY AND TRAFFIC HAZARDS THEY
 CREATE IN THE PUBLIC STREETS.

NOTE:

NO DRIVEWAY SHALL BE CONSTRUCTED THAT WILL
 INTERFERE WITH EXISTING PEDESTRIAN ACCESSIBILITY.

MINIMUM CONCRETE DRIVEWAY SECTIONS:

APPROACH: 8" PORTLAND CEMENT CONCRETE
 4" IDOT CA-6 STONE BASE
 DRIVEWAY: 6" PORTLAND CEMENT
 4" IDOT CA-6 STONE BASE

MINIMUM ASPHALT DRIVEWAY SECTIONS:

APPROACH: 4" HOT-MIX ASPHALT
 8" IDOT CA-6 STONE BASE
 DRIVEWAY: 4" HOT-MIX ASPHALT
 6" IDOT CA-6 STONE BASE

REVISED FEBRUARY 2022



VILLAGE OF DEERFIELD

COMMERCIAL DRIVEWAY SPECIFICATIONS

NOT TO SCALE

MODEL: Default
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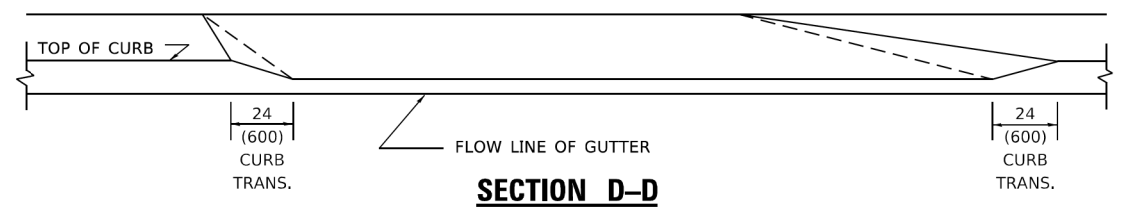
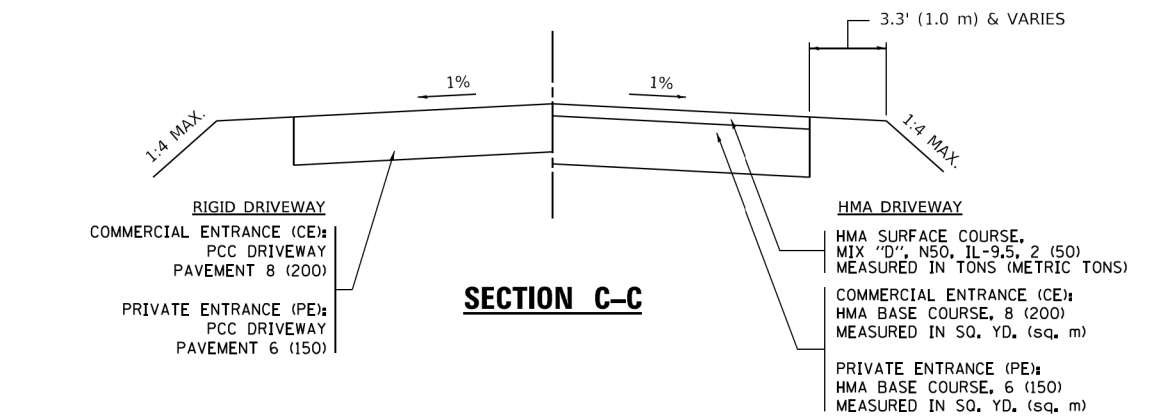
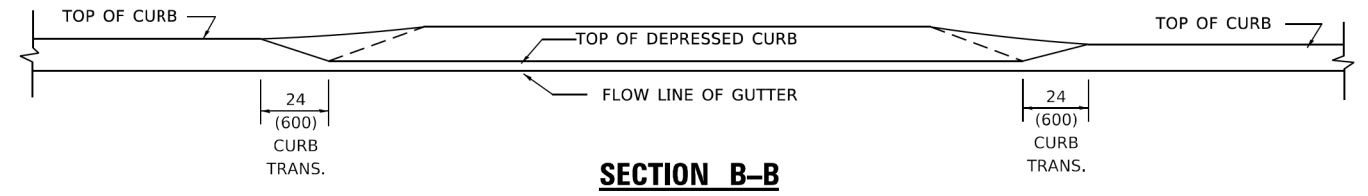
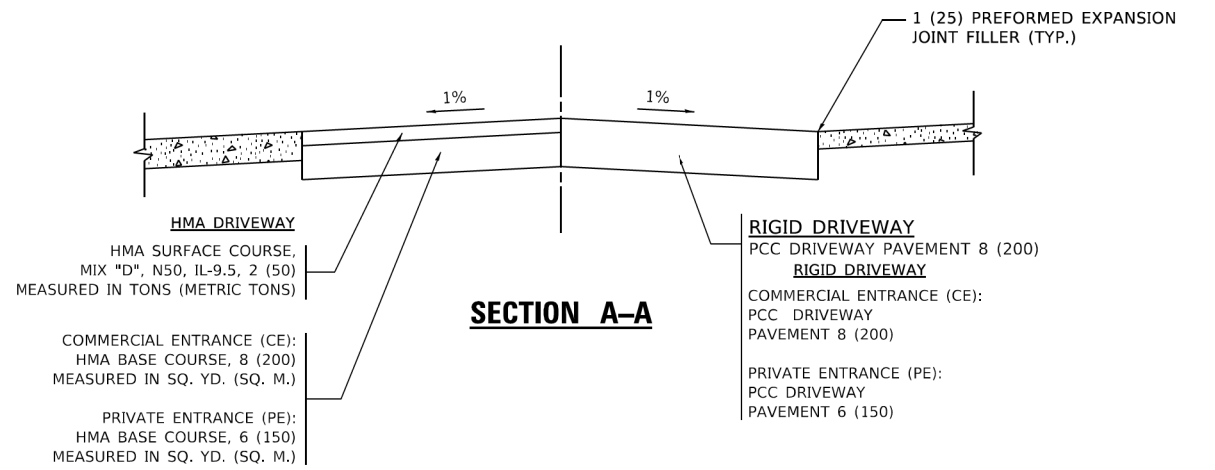
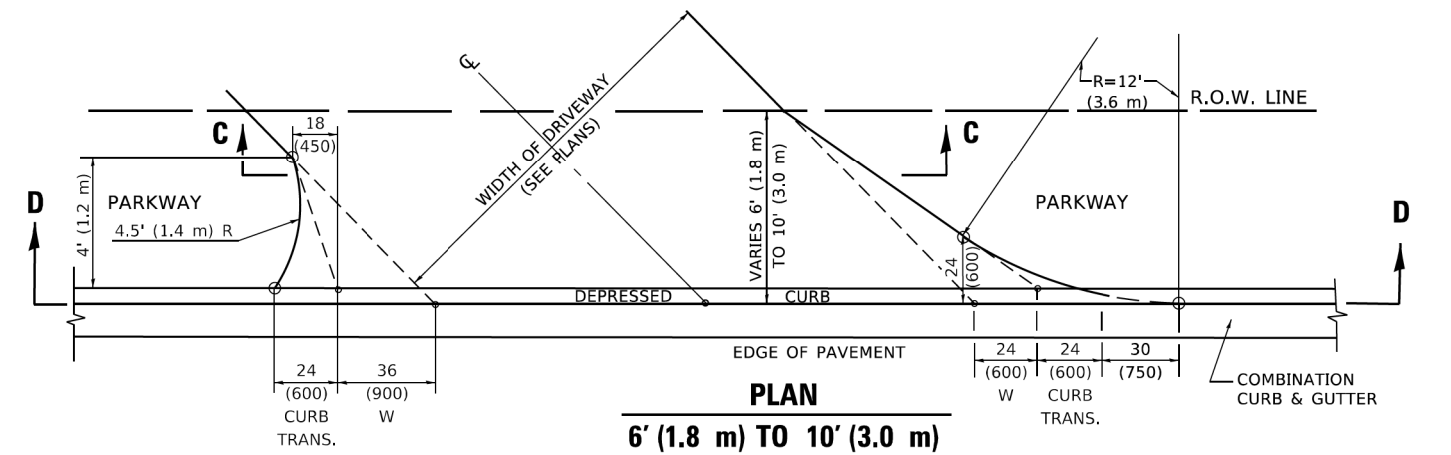
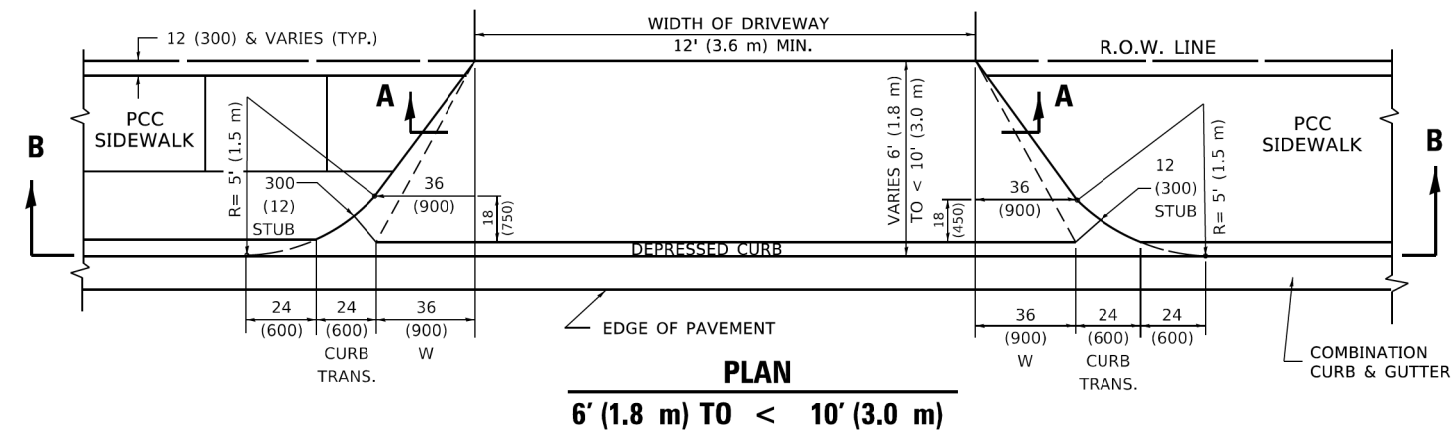
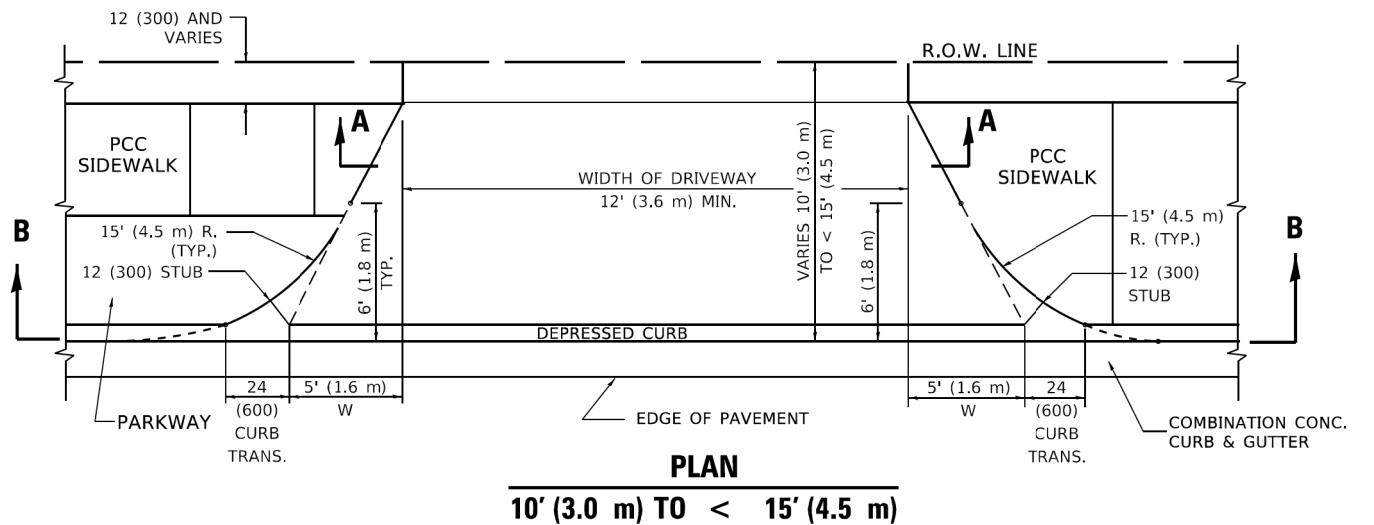
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|-----------------------------|-----------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0001' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
CONSTRUCTION DETAILS**

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1263 | 20-00108-00-PV | LAKE | 221 | 158 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



GENERAL NOTES

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
- WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
- "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

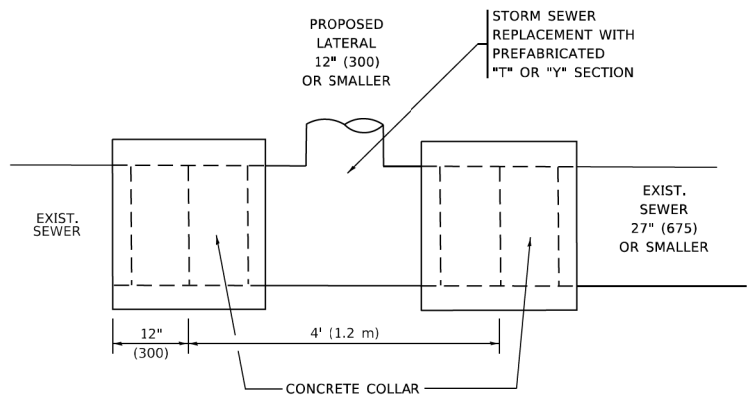
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| | | |
|-------------------------------|--------------------|-----------------------------|
| USER NAME = Lawrence,DeManche | DESIGNED - R. SHAH | REVISED - R. BORO 01-01-07 |
| | DRAWN - | REVISED - R. BORO 09-06-11 |
| PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - K. SMITH 08-27-19 |
| PLOT DATE = 11/18/2022 | DATE - 11-06-95 | REVISED - K. SMITH 11-18-22 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

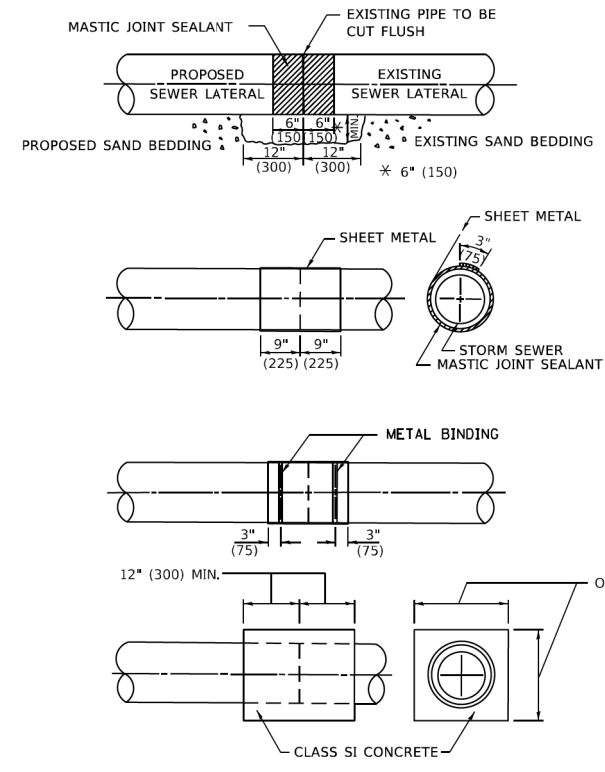
| DRIVEWAY DETAILS | | | | | |
|--|---------|------|--------|------|---------|
| DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m) | | | | | |
| SCALE: NONE | SHEET 1 | OF 1 | SHEETS | STA. | TO STA. |

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------|----------------|--------|--------------|-----------|
| 1283 | 20-00108-00-PV | LAKE | 221 | 160 |
| BD400-02 (BD-02) | | | CONTRACT NO. | |
| ILLINOIS FED. AID PROJECT | | | | |



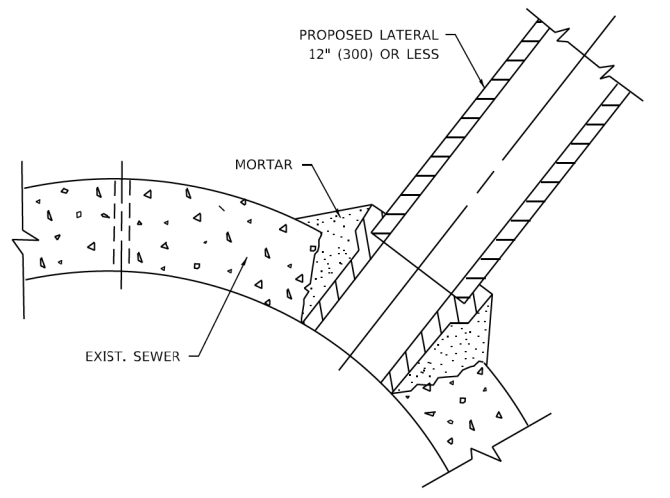
DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



DETAIL "B"

CLASS SI CONCRETE COLLAR



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

1. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

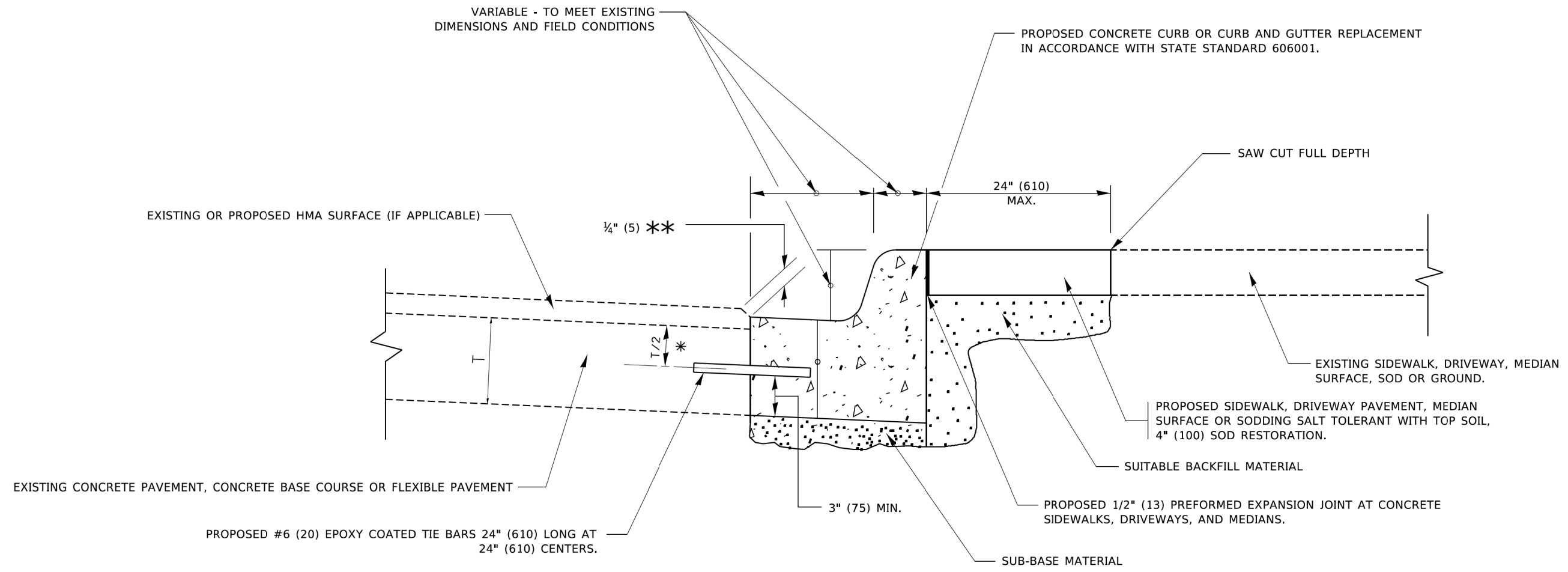
BASIS OF PAYMENT

1. TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
2. TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
3. REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
4. CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

* ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Default
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| | | | | | | | | | | | | |
|-------------------------------|------------------------------|-----------------------------|---|---|---------|-------------|------------------|-------------------------|-------------|------------------|---------------|--|
| USER NAME = Lawrence,DeManche | DESIGNED - M. DE YONG | REVISED - R. SHAH 09-09-94 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER | | | F.A.U. RTE. 1283 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 161 | |
| DRAWN - | REVISIONS - R. SHAH 10-25-94 | REVISED - R. SHAH 06-12-96 | | SCALE: NONE | SHEET 1 | OF 1 SHEETS | STA. TO STA. | BD500-01 (BD-07) | | CONTRACT NO. | | |
| PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - K. SMITH 11-18-22 | | | | | | | | | | |
| PLOT DATE = 11/18/2022 | DATE - 07-25-90 | | | ILLINOIS FED. AID PROJECT | | | | | | | | |



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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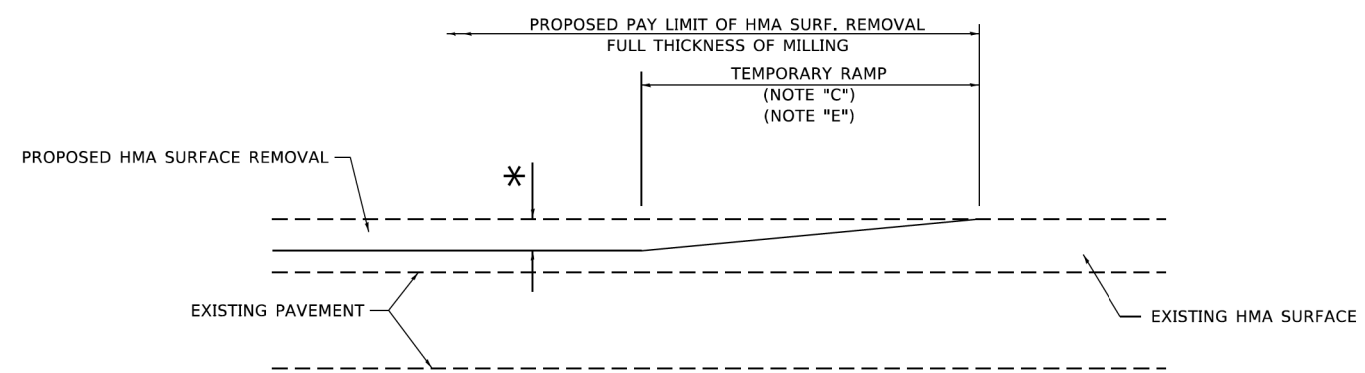
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|-----------------------------|----------------------|-----------------------------|
| USER NAME = footemj | DESIGNED - A. HOUSEH | REVISED - A. ABBAS 03-21-97 |
| | DRAWN - | REVISED - M. GOMEZ 01-22-01 |
| PLOT SCALE = 50.0000' / in. | CHECKED - | REVISED - R. BORO 12-15-09 |
| PLOT DATE = 7/11/2019 | DATE - 03-11-94 | REVISED - K. SMITH 07-11-19 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT**

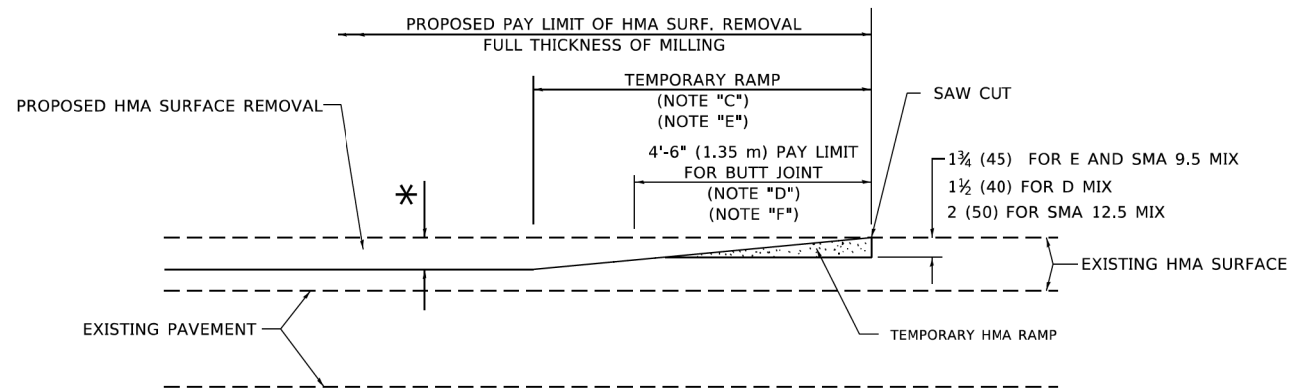
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|---------------------------|---------------------------|----------------|---------------------|------------------|
| F.A.U. RTE. 1283 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 162 |
| BD600-06 (BD-24) | | CONTRACT NO. | | |
| ILLINOIS FED. AID PROJECT | | | | |



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

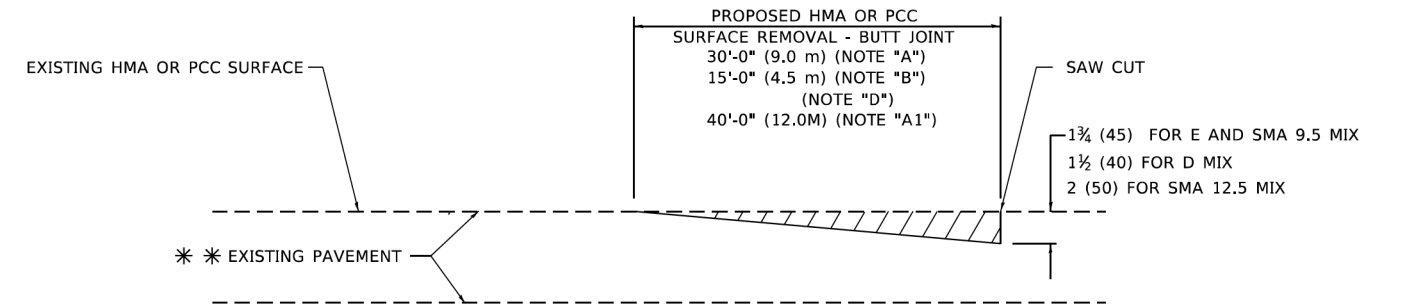
OPTION 1



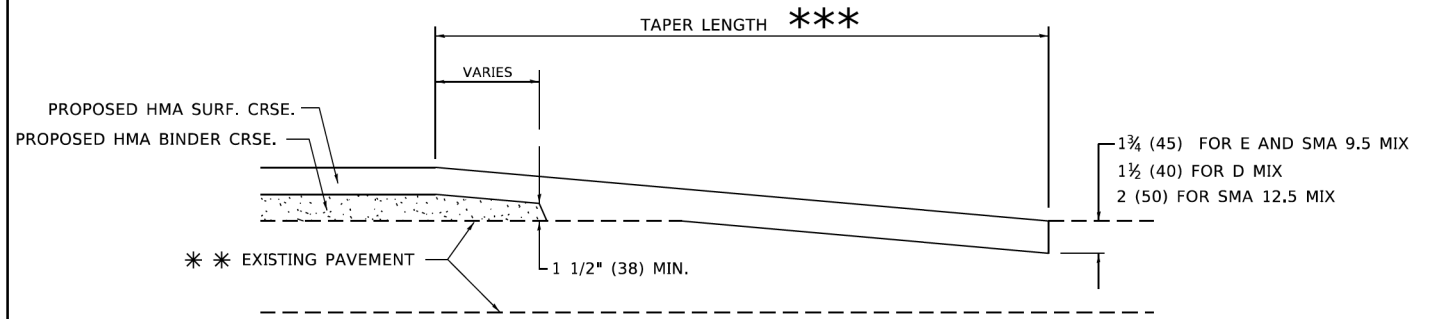
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

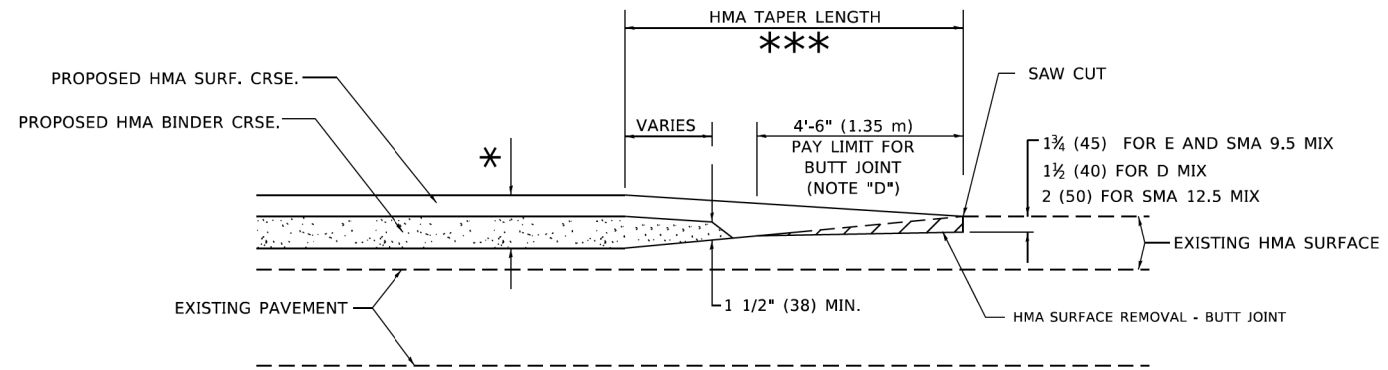
GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

MODEL: Default
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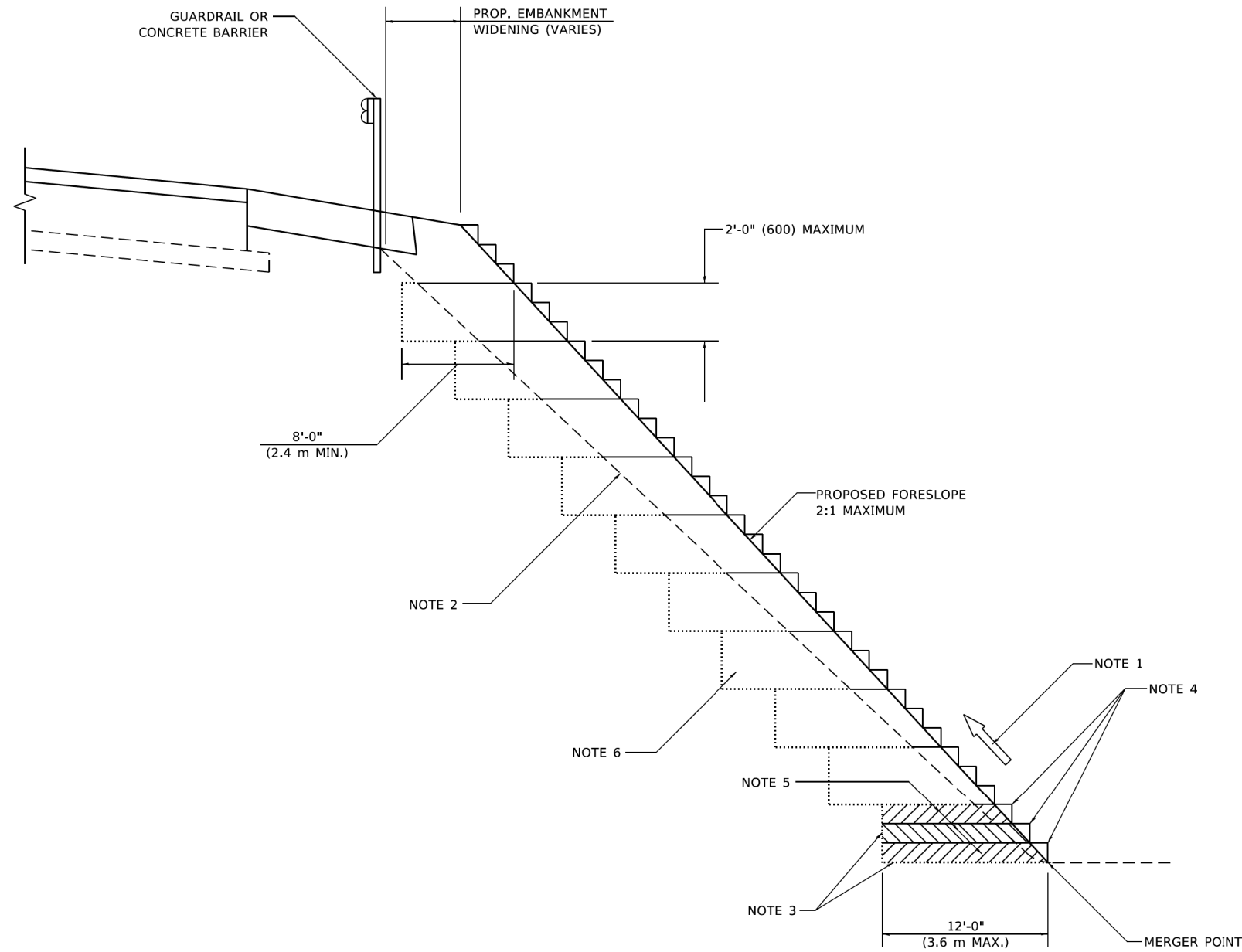
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| USER NAME = Lawrence,DeManche | DESIGNED - M. DE YONG | REVISED - A. ABBAS 03-21-97 |
| | DRAWN - | REVISED - M. GOMEZ 04-06-01 |
| PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - R. BORO 01-01-07 |
| PLOT DATE = 11/18/2022 | DATE - 06-13-90 | REVISED - K. SMITH 11-18-22 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------------|--------------|-----------|
| 1283 | 20-00108-00-PV | LAKE | 221 | 163 |
| BD400-05 BD-32 | | CONTRACT NO. | | |
| ILLINOIS FED. AID PROJECT | | | | |



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

GENERAL NOTES

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.

BASIS OF PAYMENT

1. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

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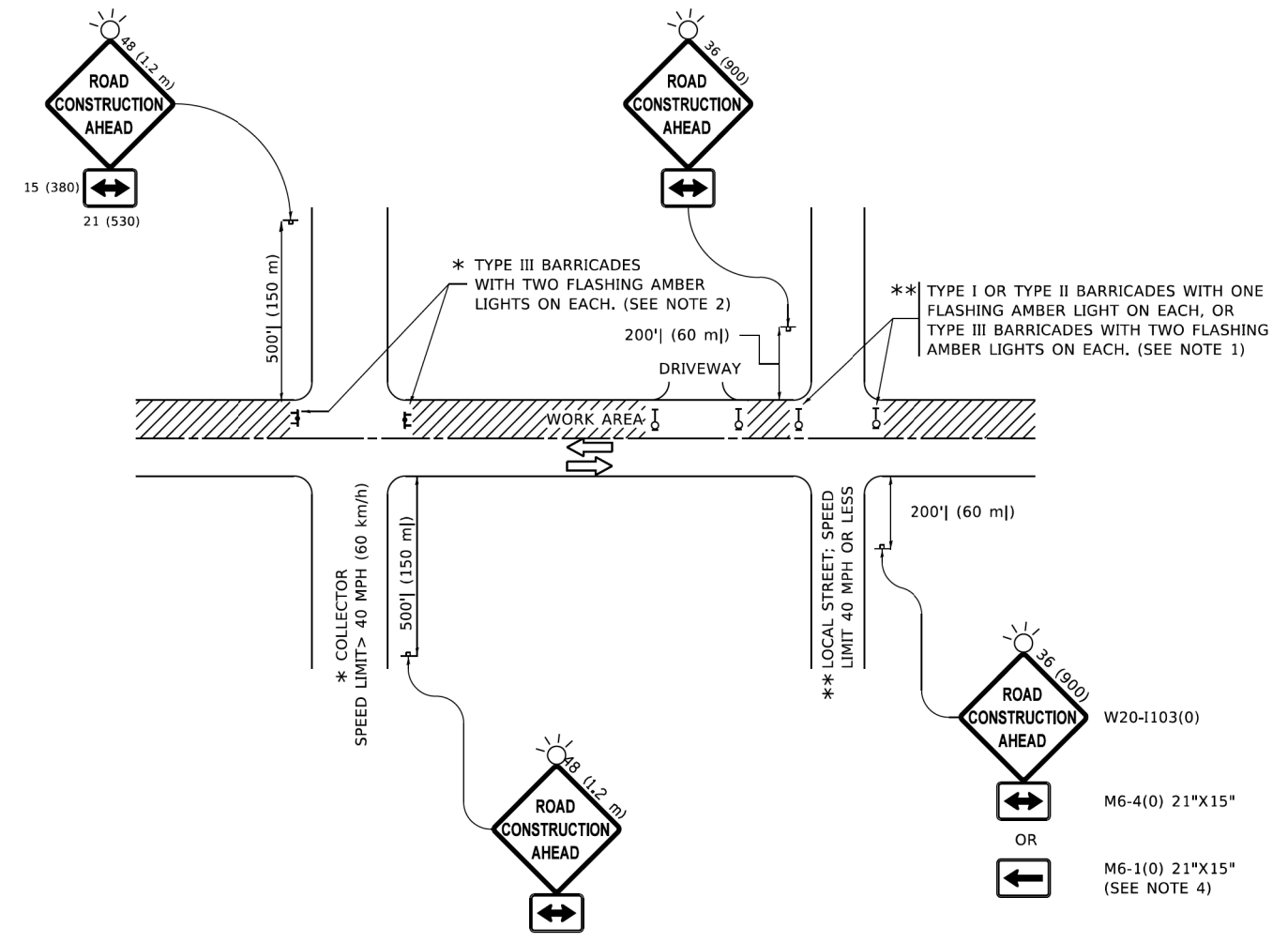
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| USER NAME = Lawrence,DeManche | DESIGNED - | REVISED - K. SMITH 11-18-22 |
| | DRAWN - CADD | REVISED - |
| PLOT SCALE = 100,0000 ' / in. | CHECKED - S.E.B. | REVISED - |
| PLOT DATE = 11/18/2022 | DATE - 06-16-04 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BENCHING DETAIL
FOR EMBANKMENT WIDENING**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------------|--------------|-----------|
| 1283 | 20-00108-00-PV | LAKE | 221 | 164 |
| BD-51 | | CONTRACT NO. | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

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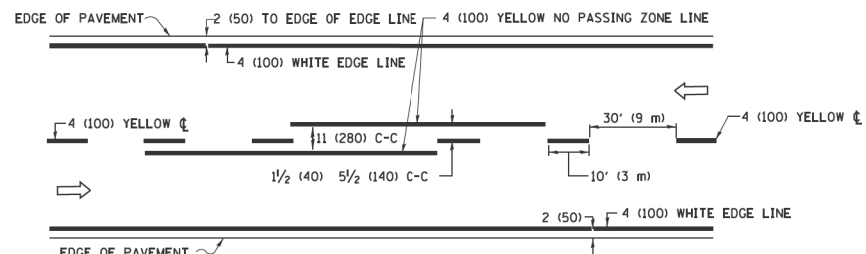
| | | |
|-------------------------------|-------------------|---------------------------------|
| USER NAME = Lawrence,DeManche | DESIGNED - L.H.A. | REVISED - T. RAMMACHER 01-06-00 |
| | DRAWN - | REVISED - A. SCHUETZE 07-01-13 |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - A. SCHUETZE 09-15-16 |
| PLOT DATE = 5/3/2024 | DATE - 06-89 | REVISED - D. SENDERAK 05-03-24 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

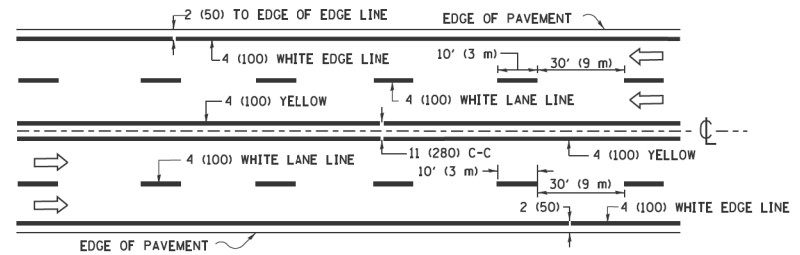
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

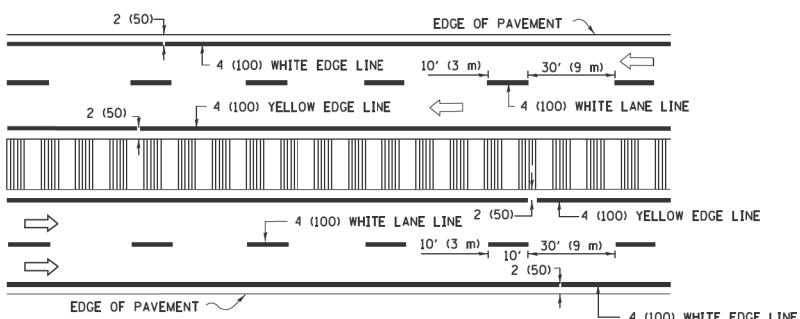
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1283 | 20-00108-00-PV | LAKE | 221 | 165 |
| TC-10 | | | CONTRACT NO. | |
| ILLINOIS FED. AID PROJECT | | | | |



2-LANE ROADWAY

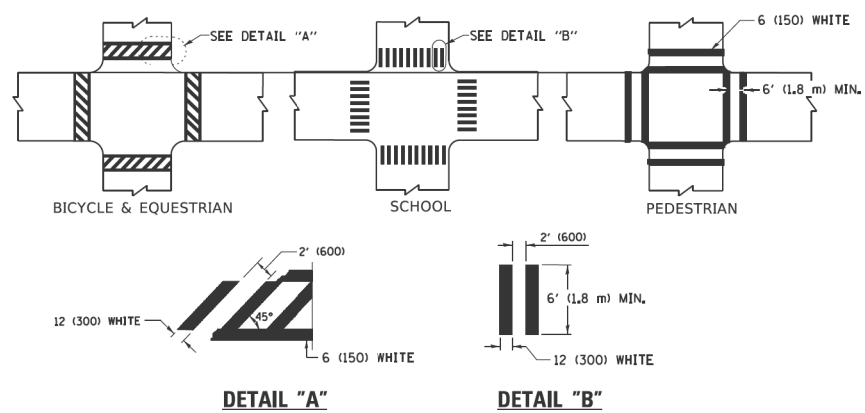


MULTI-LANE UNDIVIDED



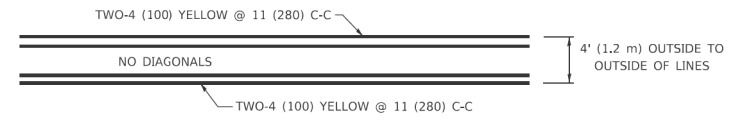
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

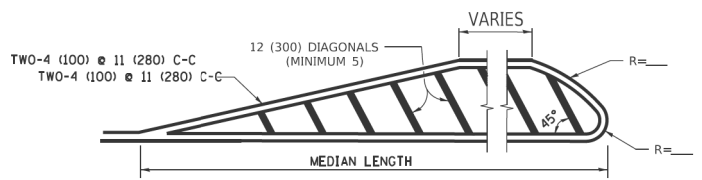


TYPICAL CROSSWALK MARKING

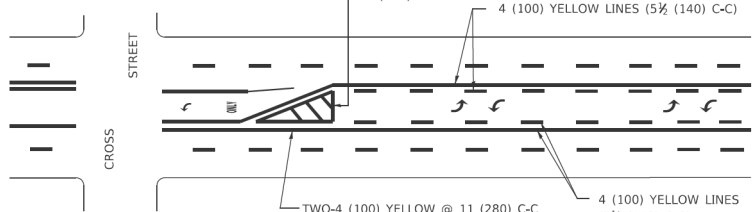
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



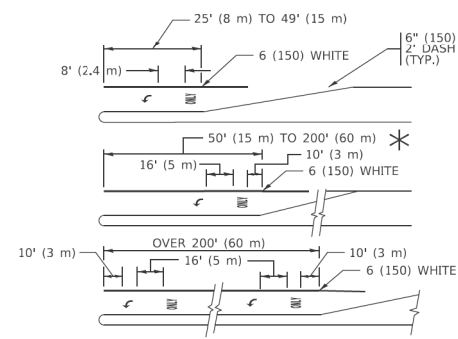
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



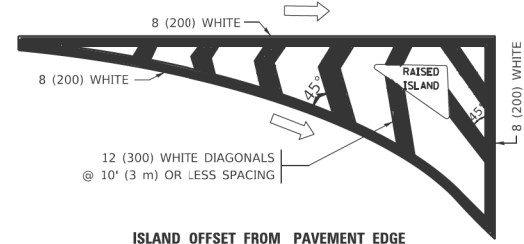
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



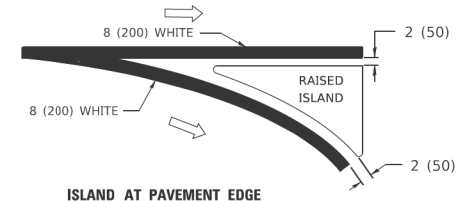
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

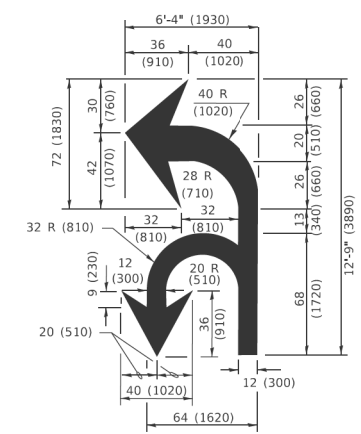


ISLAND OFFSET FROM PAVEMENT EDGE

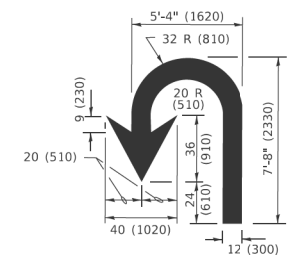


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION
 * LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

| D(FT) | SPEED LIMIT |
|-------|-------------|
| 345 | 30 |
| 425 | 35 |
| 500 | 40 |
| 580 | 45 |
| 665 | 50 |
| 750 | 55 |

| TYPE OF MARKING | WIDTH OF LINE | PATTERN | COLOR | SPACING / REMARKS |
|---|--|------------------------------|---|---|
| CENTERLINE ON 2 LANE PAVEMENT | 4 (100) | SKIP-DASH | YELLOW | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT | 2 @ 4 (100) | SOLID | YELLOW | 11 (280) C-C |
| NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS | 4 (100) 2 @ 4 (100) | SOLID SOLID | YELLOW YELLOW | 5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN |
| LANE LINES | 4 (100) 5 (125) ON FREEWAYS | SKIP-DASH SKIP-DASH | WHITE WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS) | SAME AS LINE BEING EXTENDED | SKIP-DASH | SAME AS LINE BEING EXTENDED | 2' (600) LINE WITH 6' (1.8 m) SPACE |
| EDGE LINES | 4 (100) | SOLID | YELLOW-LEFT WHITE-RIGHT | OUTLINE MEDIANS IN YELLOW |
| TURN LANE MARKINGS | 6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8" (2.4m)) | SOLID | WHITE | SEE TYPICAL TURN LANE MARKING DETAIL |
| TWO WAY LEFT TURN MARKING | 2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW | SKIP-DASH AND SOLID IN PAIRS | YELLOW WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL |
| CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90° | SOLID SOLID SOLID | WHITE WHITE WHITE | NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS. |
| STOP LINES | 24 (600) | SOLID | WHITE | PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE. |
| PAINTED MEDIANS | 2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS | SOLID | YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING. |
| GORE MARKING AND CHANNELIZING LINES | 8 (200) WITH 12 (300) DIAGONALS @ 45° | SOLID | WHITE | DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h)) |
| RAILROAD CROSSING | 24 (600) TRANSVERSE LINES: "RR" 15' 6" (1.8 m) LETTERS: 16 (400) LINE FOR "X" | SOLID | WHITE | SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m ²) EACH *X*=54.0 SQ. FT. (5.0 m ²) |
| SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8') | 12 (300) @ 45° | SOLID | WHITE - RIGHT YELLOW - LEFT | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h)) |
| U TURN ARROW | SEE DETAIL | SOLID | WHITE | 16.3 SF |
| 2 ARROW COMBINATION LEFT AND U TURN | SEE DETAIL | SOLID | WHITE | 30.4 SF |

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

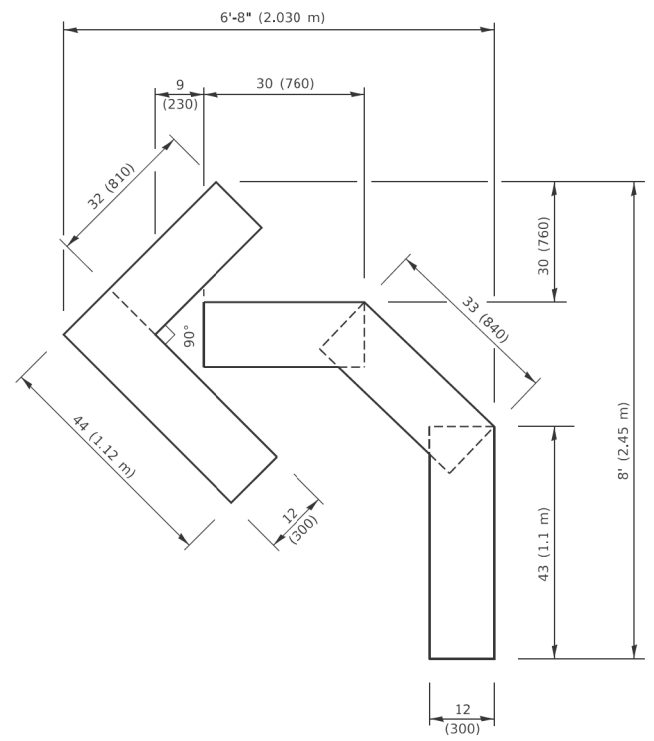
All dimensions are in Inches (millimeters) unless otherwise shown.

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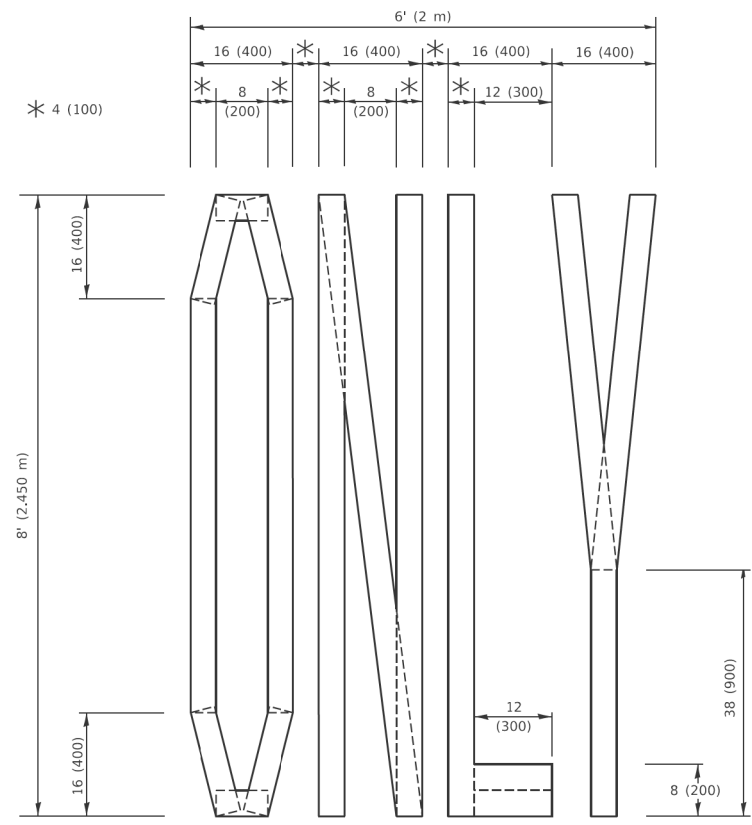
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| USER NAME = footemj | DESIGNED - EVERS | REVISED - C. JUCIUS 09-09-09 |
| PLOT SCALE = 50.0000" / in. | CHECKED - | REVISED - C. JUCIUS 07-01-13 |
| PLOT DATE = 3/4/2019 | DATE - 03-19-90 | REVISED - C. JUCIUS 12-21-15 |
| | | REVISED - C. JUCIUS 04-12-16 |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

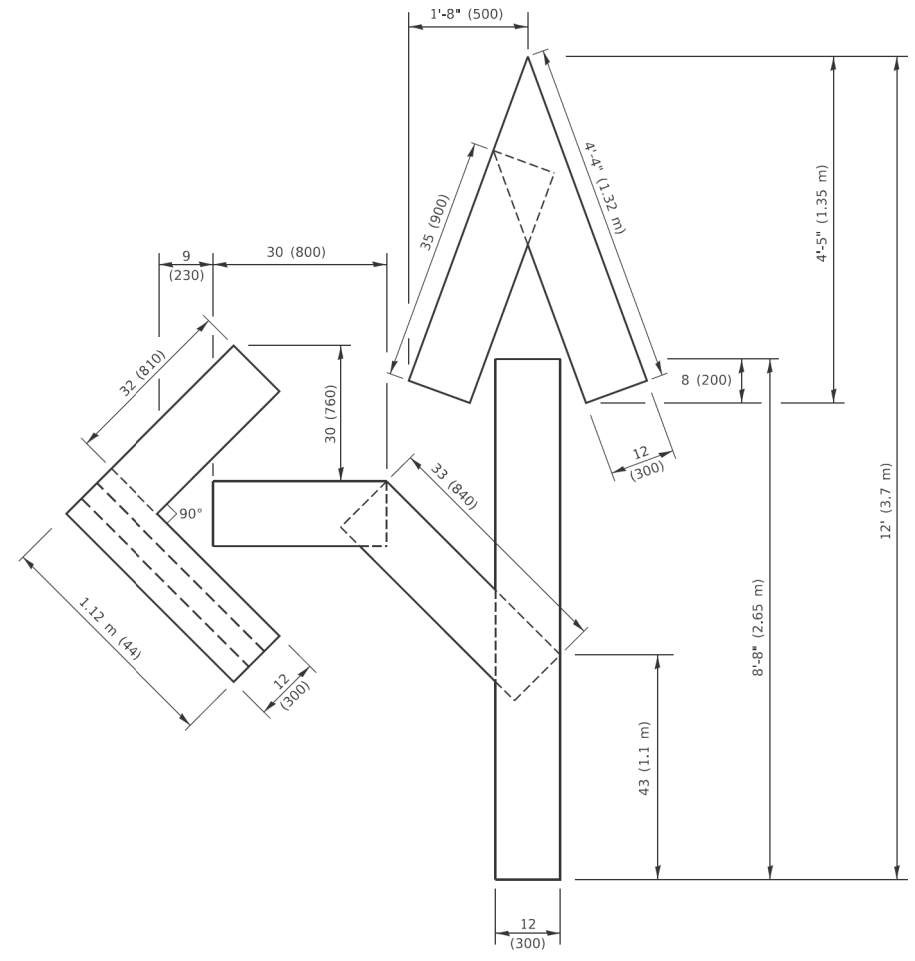
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| DISTRICT ONE | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| TYPICAL PAVEMENT MARKINGS | | 1283 | 20-00108-00-PV | LAKE | 221 | 166 |
| SCALE: NONE | | SHEET 1 OF 2 SHEETS | | STA. TO STA. | | |
| | | TC-13 | | CONTRACT NO. | | |
| | | ILLINOIS | | FED. AID PROJECT | | |



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

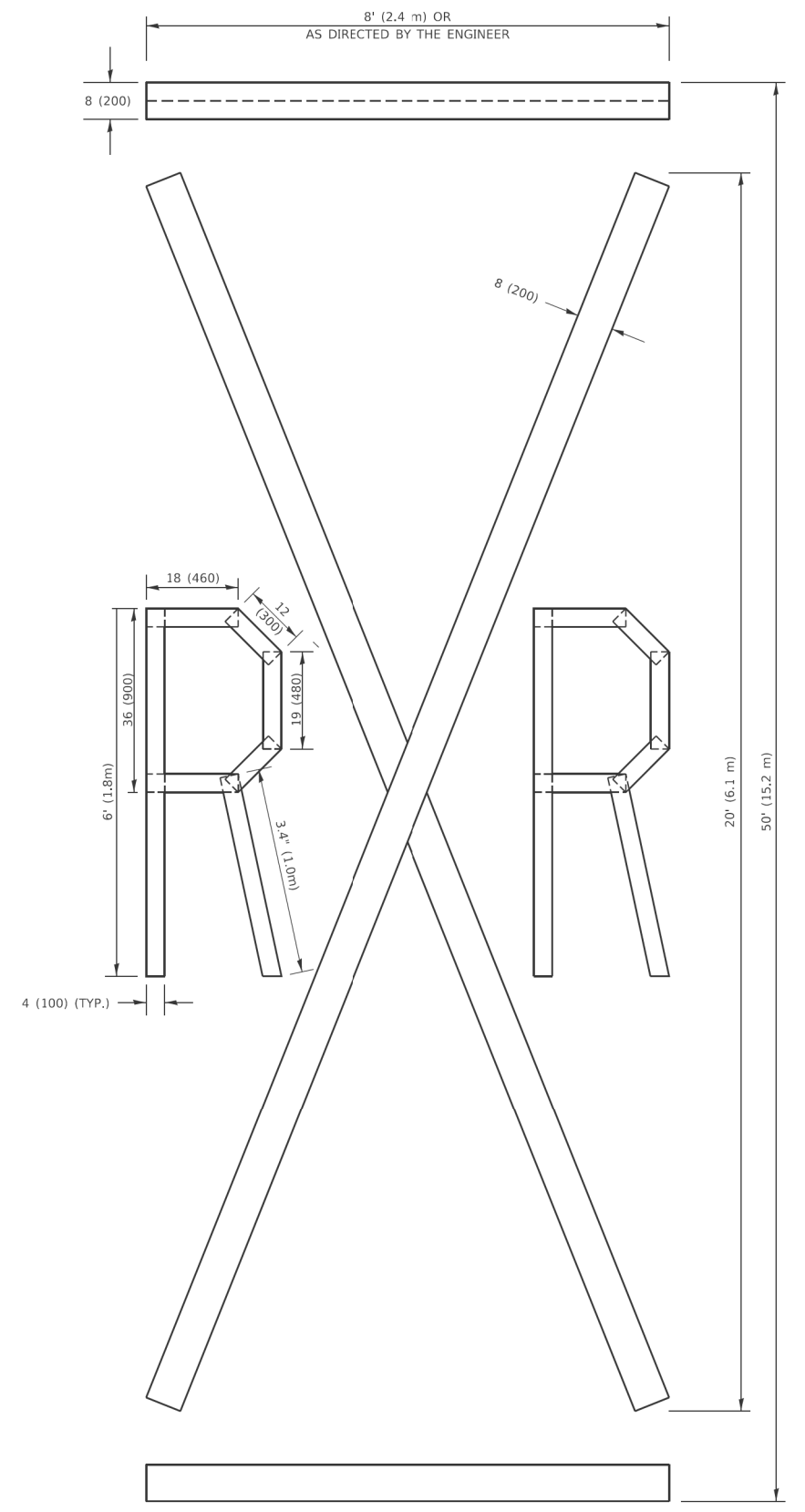


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

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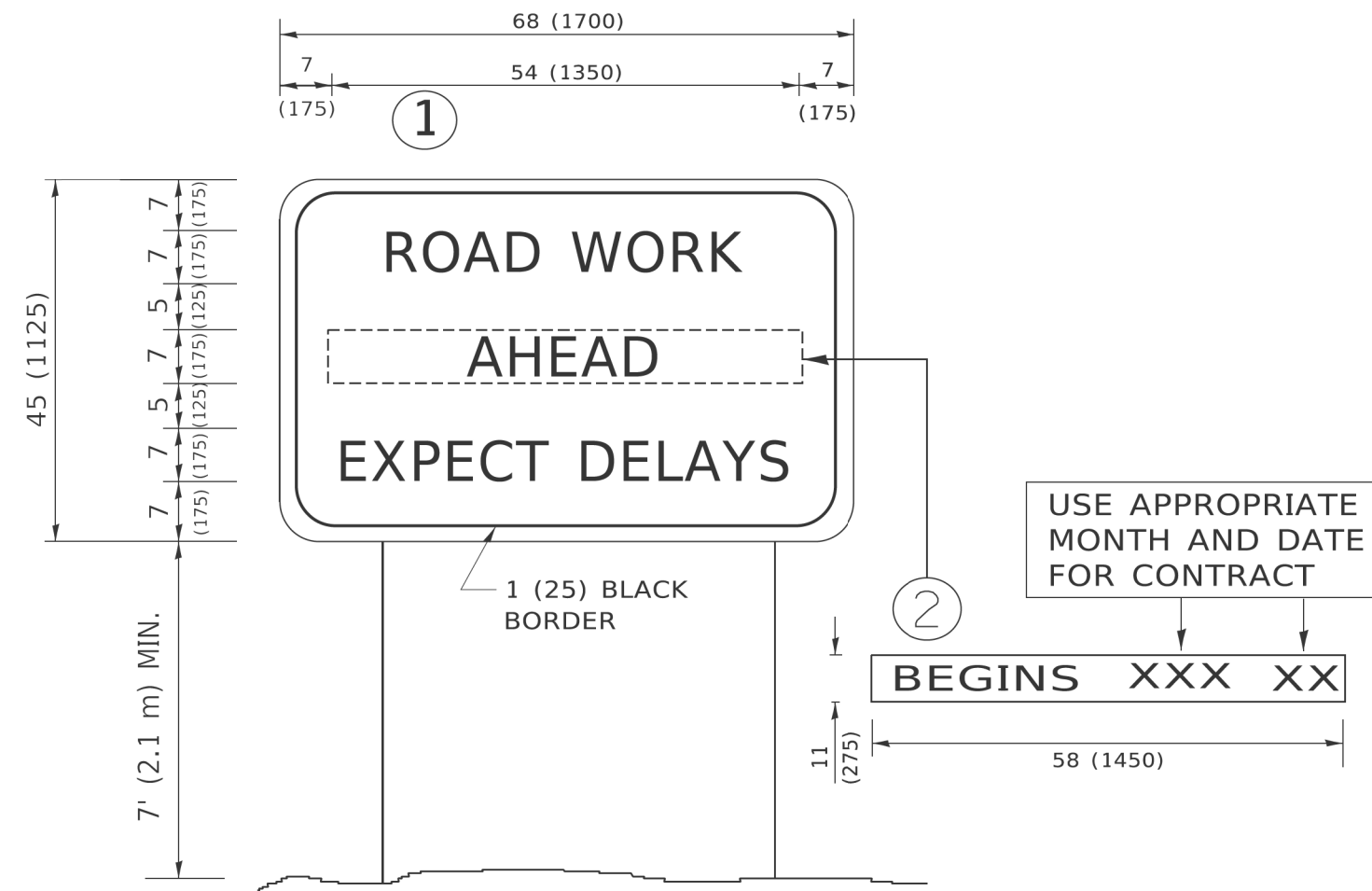
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| USER NAME = footemj | DESIGNED - | REVISED - T. RAMMACHER 03-02-98 |
| | DRAWN - | REVISED - E. GOMEZ 08-28-00 |
| PLOT SCALE = 50.0068 ' / in. | CHECKED - | REVISED - E. GOMEZ 08-28-00 |
| PLOT DATE = 3/4/2019 | DATE - 09-18-94 | REVISED - A. SCHUETZE 09-15-16 |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1283 | 20-00108-00-PV | LAKE | 221 | 167 |
| TC-16 | | | CONTRACT NO. | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

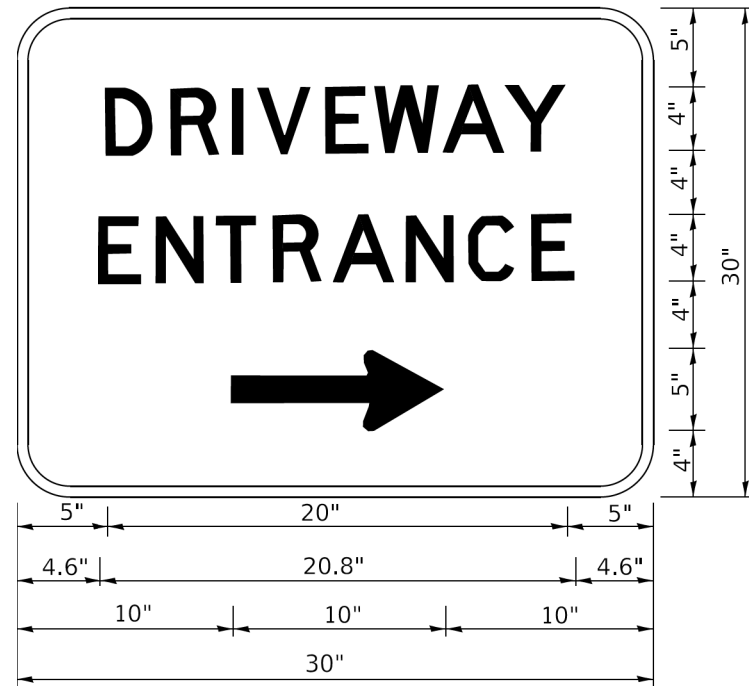
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| | | |
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| USER NAME = footemj | DESIGNED - | REVISED - R. MIRS 09-15-97 |
| | DRAWN - | REVISED - R. MIRS 12-11-97 |
| PLOT SCALE = 50,0000 ' / in. | CHECKED - | REVISED - T. RAMMACHER 02-02-99 |
| PLOT DATE = 3/4/2019 | DATE - | REVISED - C. JUCIUS 01-31-07 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | |
|---------------------------------------|---------|-------------|--------------|
| ARTERIAL ROAD INFORMATION SIGN | | | |
| SCALE: NONE | SHEET 1 | OF 1 SHEETS | STA. TO STA. |

| | | | | |
|---------------------------|----------------|--------------|--------------|-----------|
| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1283 | 20-00108-00-PV | LAKE | 221 | 168 |
| TC-22 | | CONTRACT NO. | | |
| ILLINOIS FED. AID PROJECT | | | | |



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL Default
 FILE Name: p:\p1\planroom\dot_illinois.gov\PI\DOT\Documents\DOT_Offices\District_1\Projects\Dist1\22\2-11\CAD\Drawn\CAD\sheet126.dgn

| | | |
|-----------------------------|------------|------------------------------|
| USER NAME = leysa | DESIGNED - | REVISED - C. JUCIUS 02-15-07 |
| | DRAWN - | REVISED - |
| PLOT SCALE = 50.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/6/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

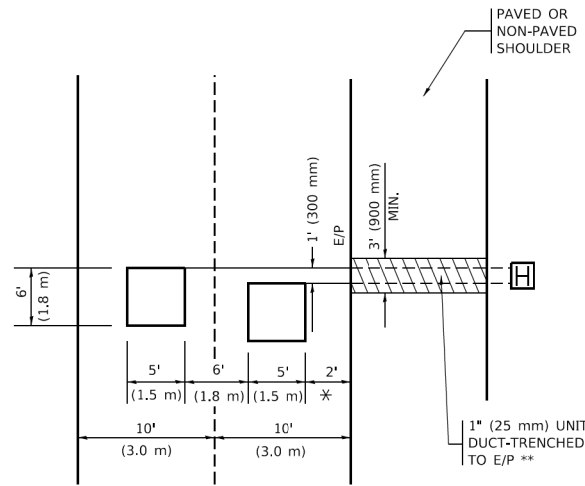
DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1283 | 20-00108-00-PV | LAKE | 221 | 169 |
| TC-26 | | | CONTRACT NO. | |
| ILLINOIS FED. AID PROJECT | | | | |

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

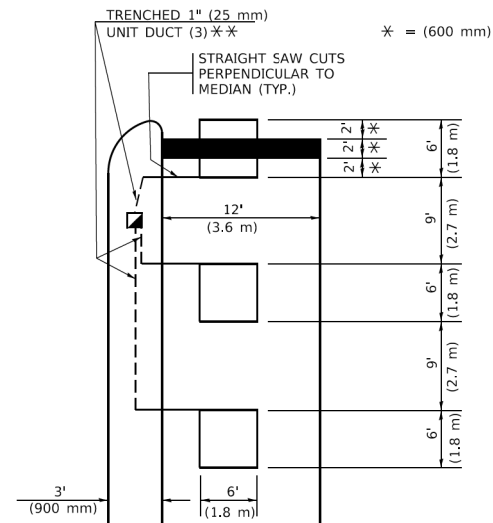


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.

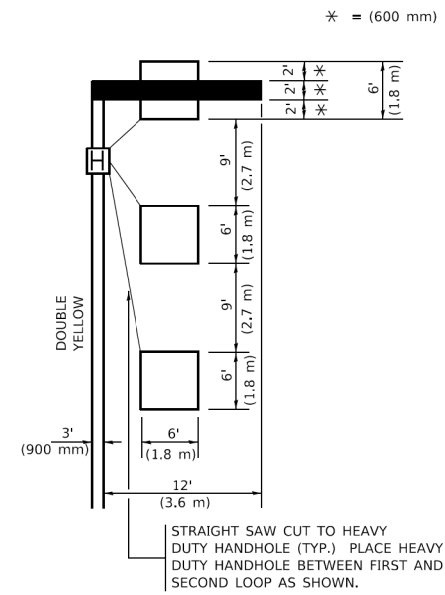


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

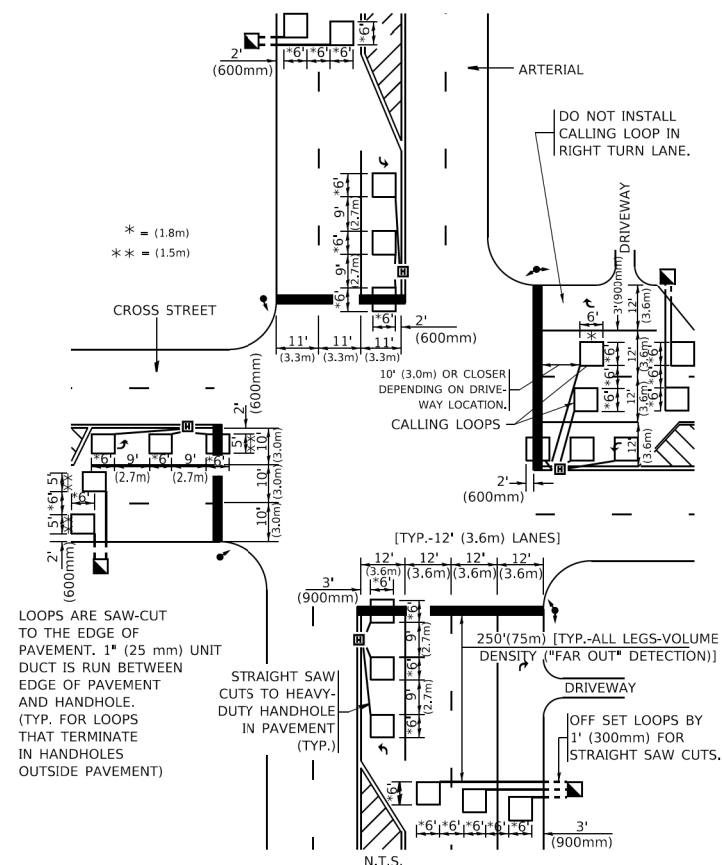
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)



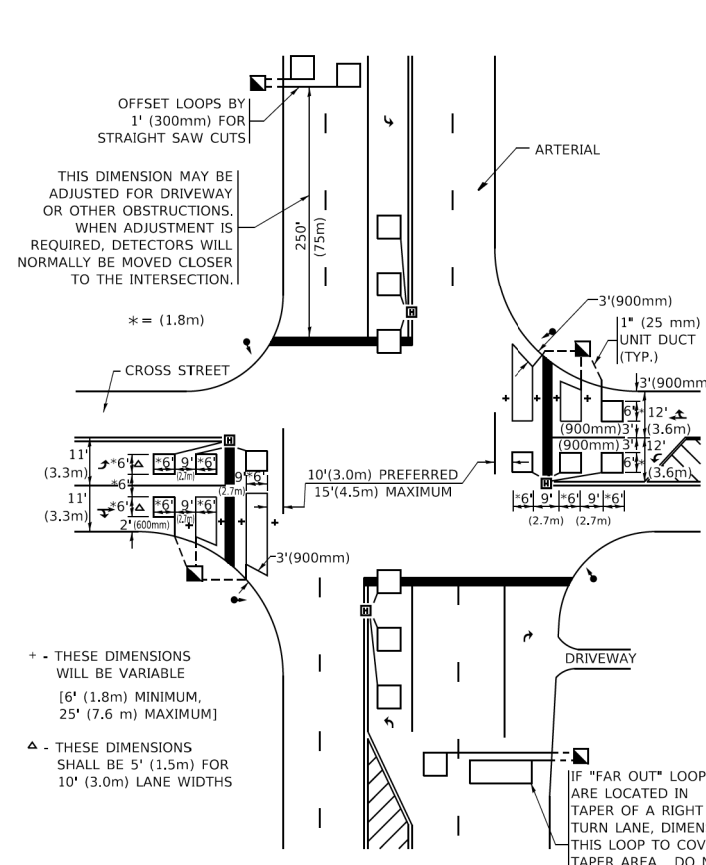
* = (1.8m)
 ** = (1.5m)

LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

DETAIL 1
 N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



OFFSET LOOPS BY 1' (300mm) FOR STRAIGHT SAW CUTS

THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]

Δ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

DETAIL 2
 N.T.S.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|-----------------------------|----------------|--------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1283 | 20-00108-00-PV | LAKE | 221 | 170 |
| TS-07 | | CONTRACT NO. | | |
| ILLINOIS / FED. AID PROJECT | | | | |

| | | | |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |
| | AREAS CHECKED | | |

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|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |
| | AREAS CHECKED | | |

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| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | = 09/09/2024 |

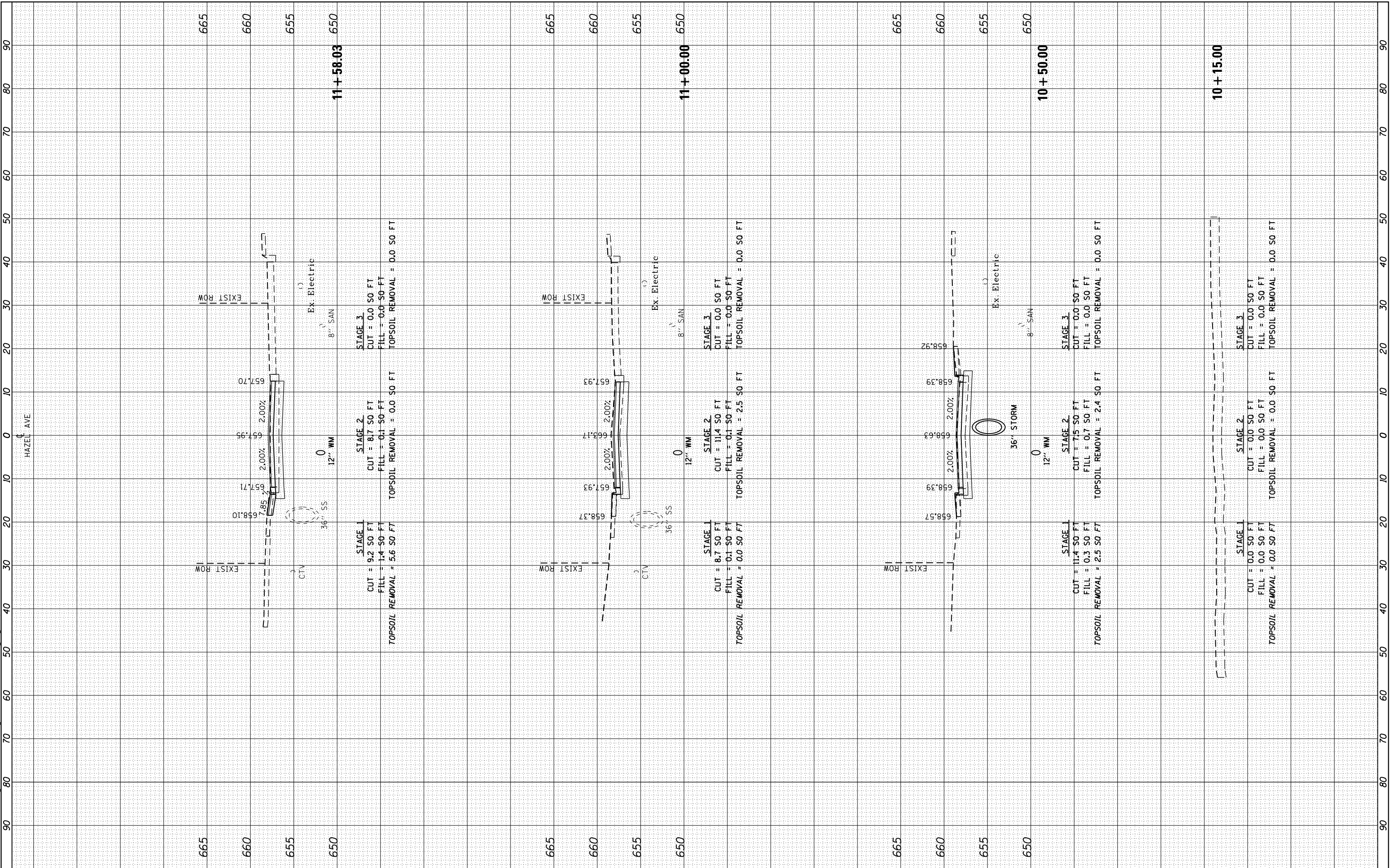
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| REVISED | - |
| REVISED | - |
| REVISED | - |
| REVISED | - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
 CROSS SECTIONS

1"=5'V
 SCALE: 1"=10'H SHEET 1 OF 51 SHEETS STA. 10+02.39 TO STA. 11+58.03

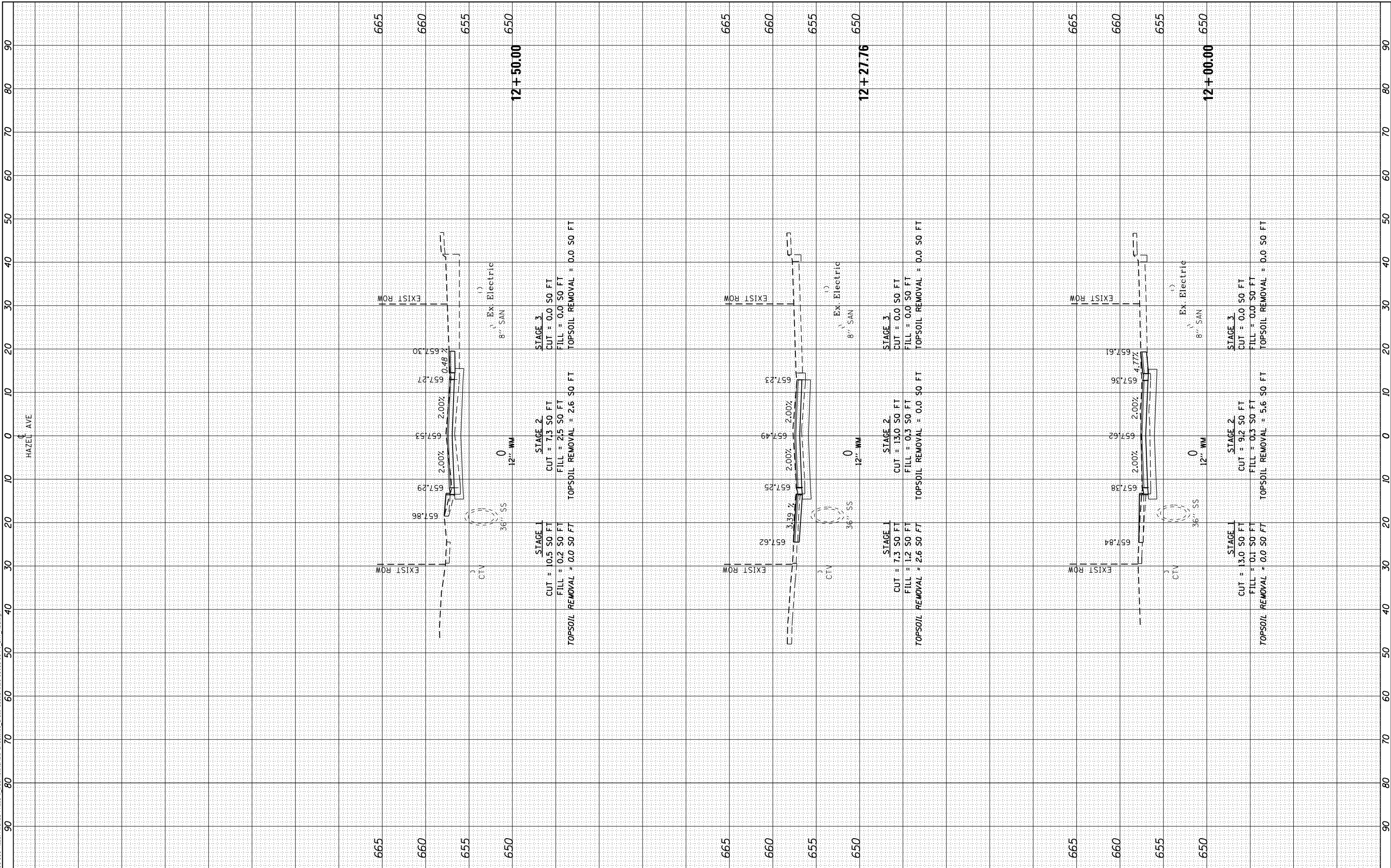
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 171 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



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|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |
| | AREAS CHECKED | | |

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|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |
| | AREAS CHECKED | | |

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| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

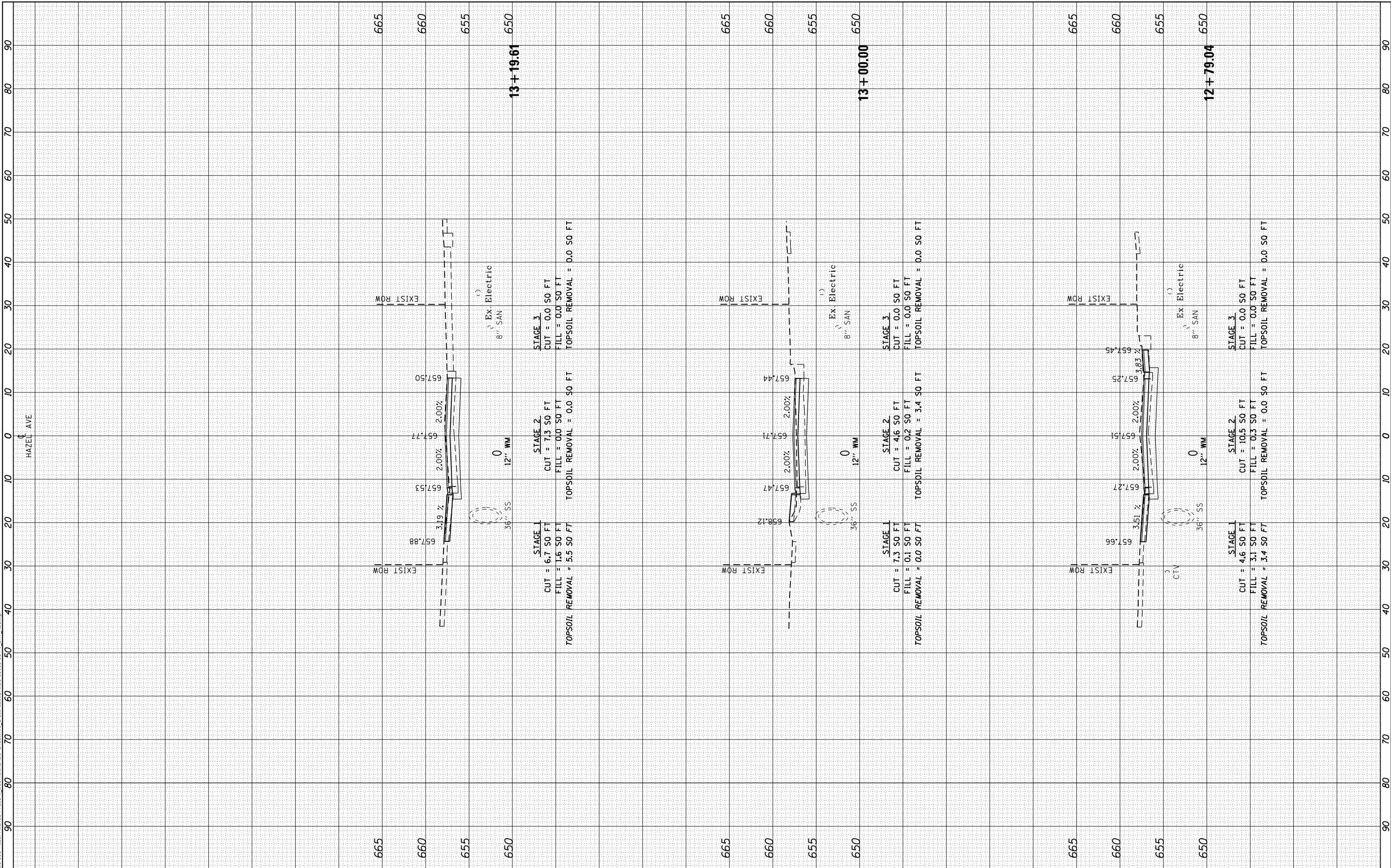
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|---|----------------------|
| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| 1"=5'V | |
| SCALE: 1"=10'H | SHEET 2 OF 51 SHEETS |
| STA. 12+00.00 | TO STA. 12+50.00 |

| | | | | |
|---------------------------|------------------------|-------------|--------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 172 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE AREAS CHECKED | | |
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|---------------------|--------------------------------|----|------|
| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE AREAS CHECKED | | |
| | | | |

MODEL: Definit
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|-----------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISOR - |
| | DRAWN - | REVISOR - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISOR - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISOR - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

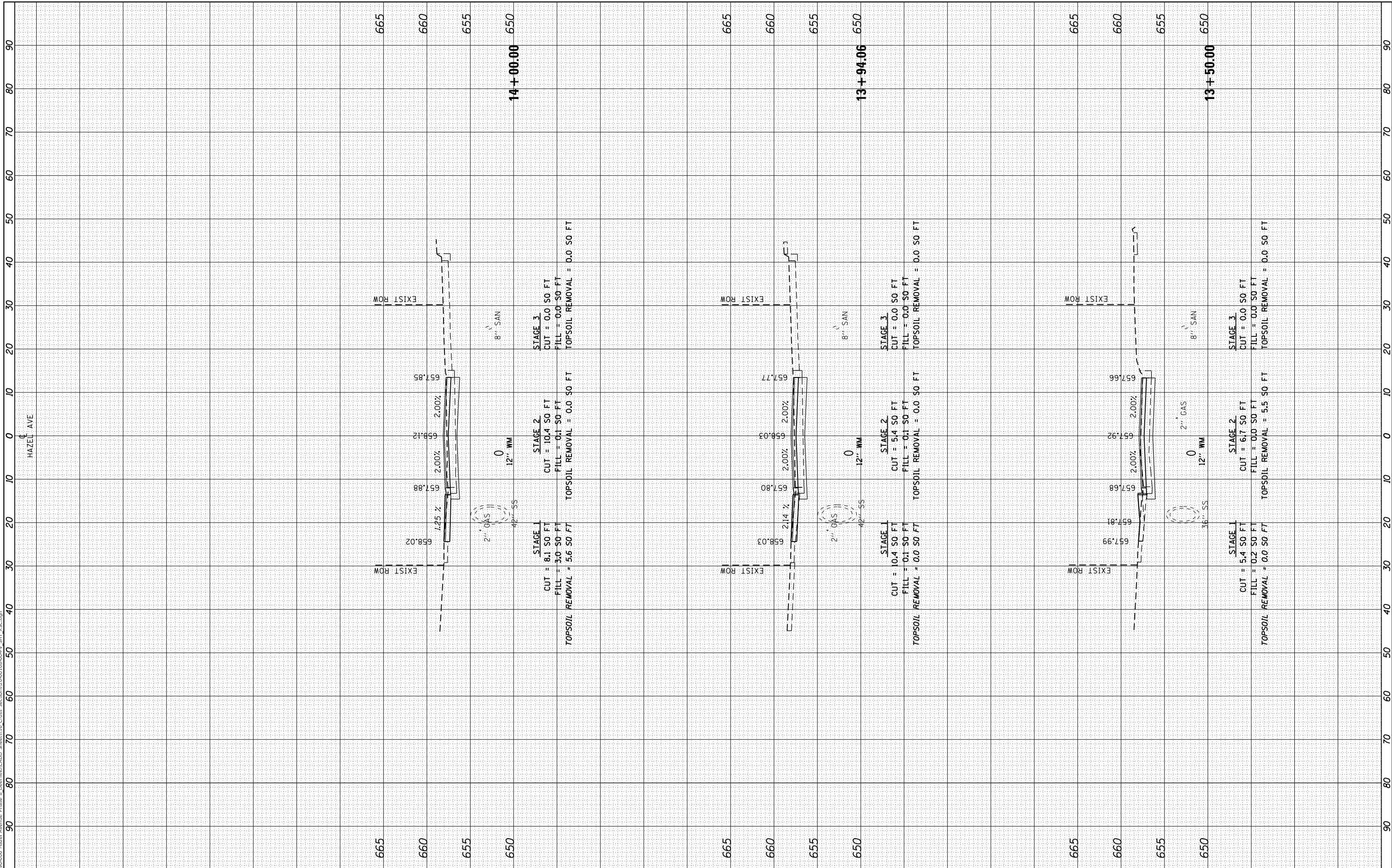
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|---|----------------------|
| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| SCALE: 1"=5'V | SHEET 3 OF 51 SHEETS |
| STA. 12+79.04 | TO STA. 13+19.61 |

| | | | | |
|---------------------------|------------------------|-------------|--------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 173 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |

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|------------------|---------------|------|
| FINAL SURVEY NO. | SURVEYED | DATE |
| NOTE BOOK | PLOTTED | |
| AREAS CHECKED | TEMPLATE | |
| | AREAS CHECKED | |

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| ORIGINAL SURVEY NO. | SURVEYED | DATE |
| NOTE BOOK | PLOTTED | |
| AREAS CHECKED | TEMPLATE | |
| | AREAS CHECKED | |

MODEL: Definit
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|-----------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
 CROSS SECTIONS

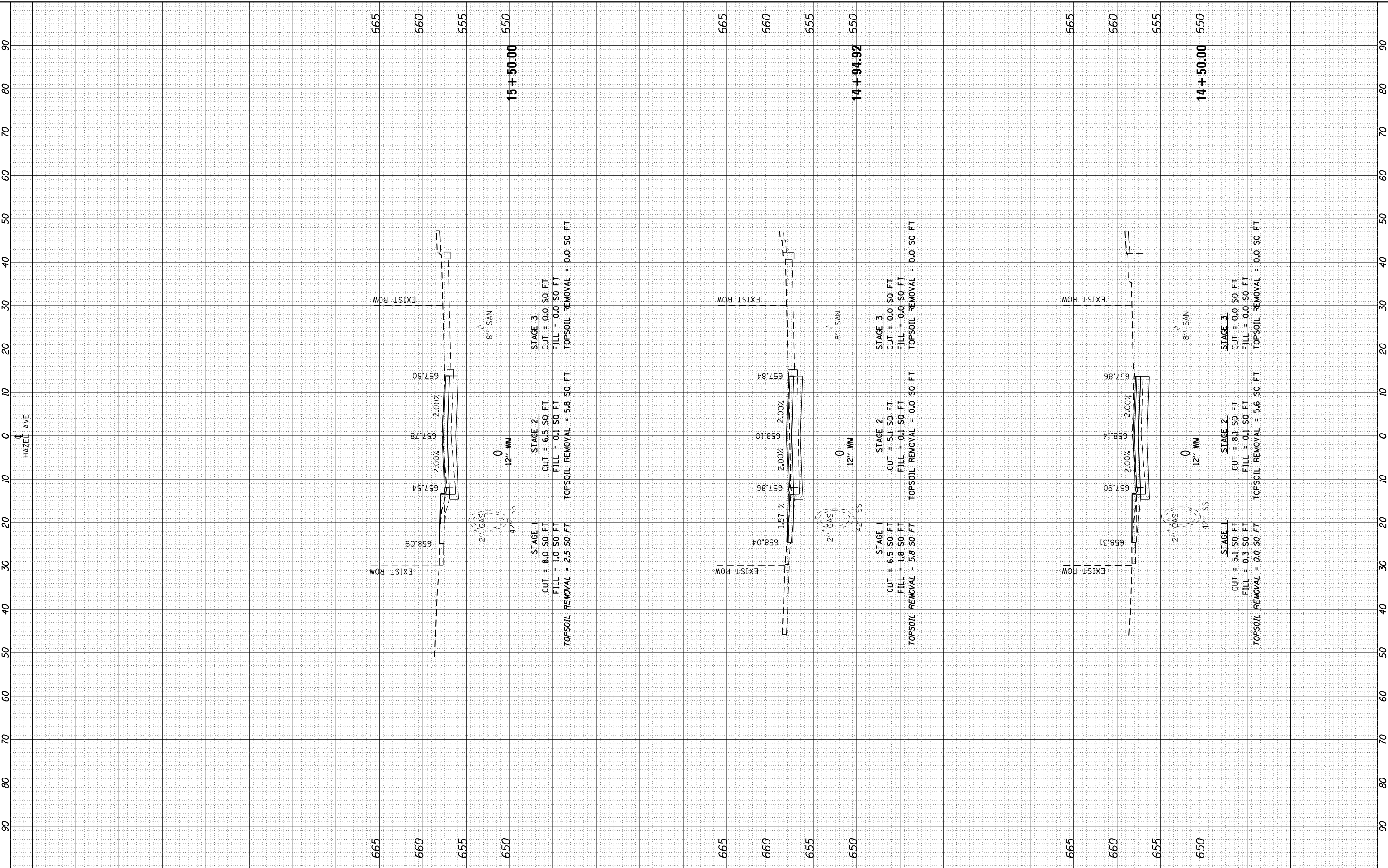
SCALE: 1"=5'V
 1"=10'H
 SHEET 4 OF 51 SHEETS
 STA. 13+50.00 TO STA. 14+00.00

| | | | | |
|---------------------------|------------------------|-------------|--------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 174 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |

| | | | |
|------------------|---------------|----|------|
| FINAL SURVEY NO. | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| AREAS CHECKED | TEMPLATE | | |
| | AREAS CHECKED | | |

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| ORIGINAL SURVEY NO. | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| AREAS CHECKED | TEMPLATE | | |
| | AREAS CHECKED | | |

MODEL: Definit
 FILE NAME: P100-006 - Hazel Avenue Phase II - Design/CADD Sheets/16 Cross Sections/20-00108-00-PV_SHT_155.dgn



| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE - 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
 CROSS SECTIONS**

SCALE: 1"=5'V
 1"=10'H

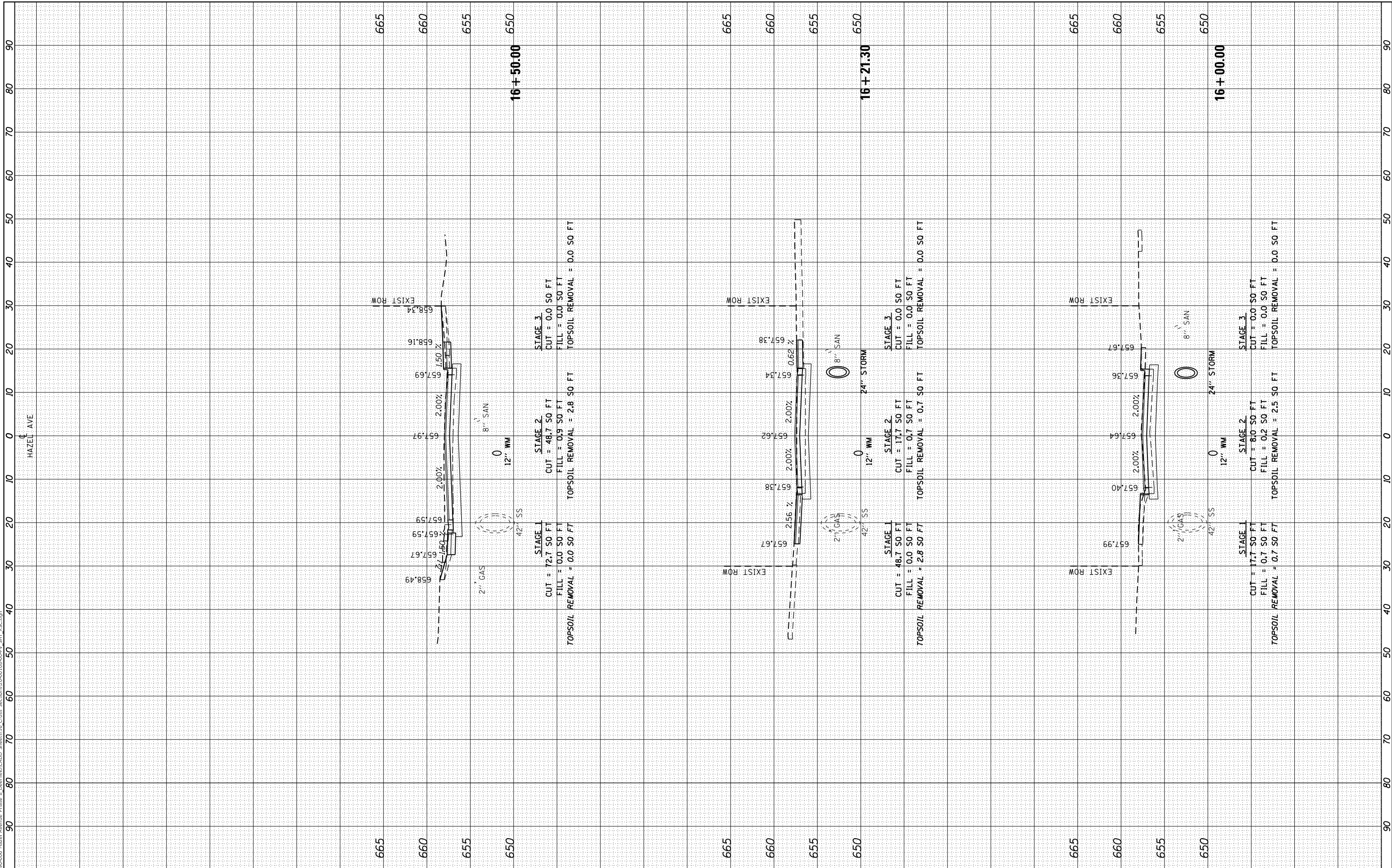
SHEET 5 OF 51 SHEETS
 STA. 14+50.00 TO STA. 15+50.00

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|---------------------------|------------------------|-------------|------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 175 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |
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| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |
| | AREAS CHECKED | | |

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| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE - 09/09/2024 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
 CROSS SECTIONS

1"=5'V
 SCALE: 1"=10'H

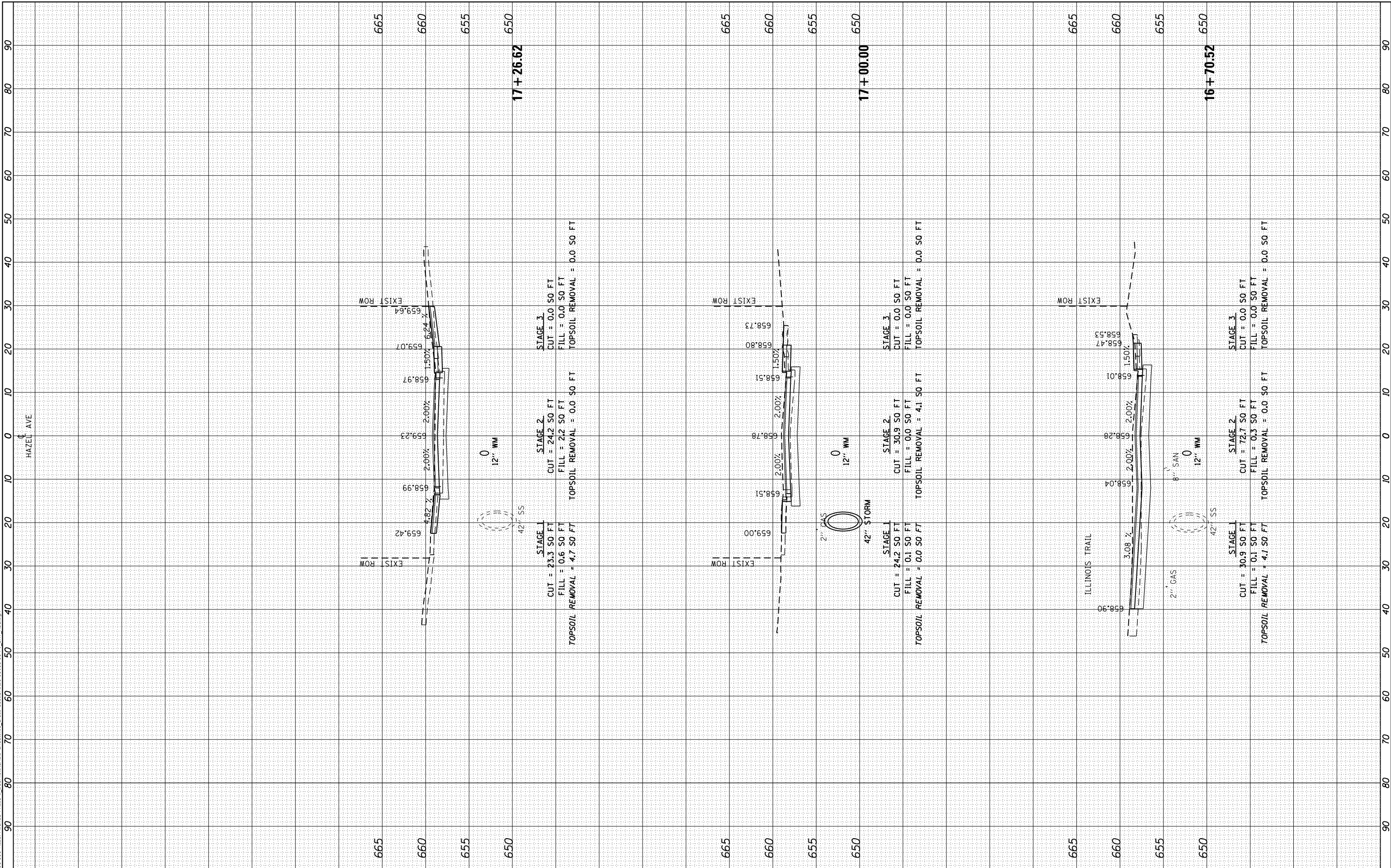
SHEET 6 OF 51 SHEETS
 STA. 16+00.00 TO STA. 16+50.00

| | | | | |
|---------------------------|------------------------|-------------|--------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 176 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |

| | | | |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |
| | AREAS CHECKED | | |

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|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |
| | AREAS CHECKED | | |

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| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

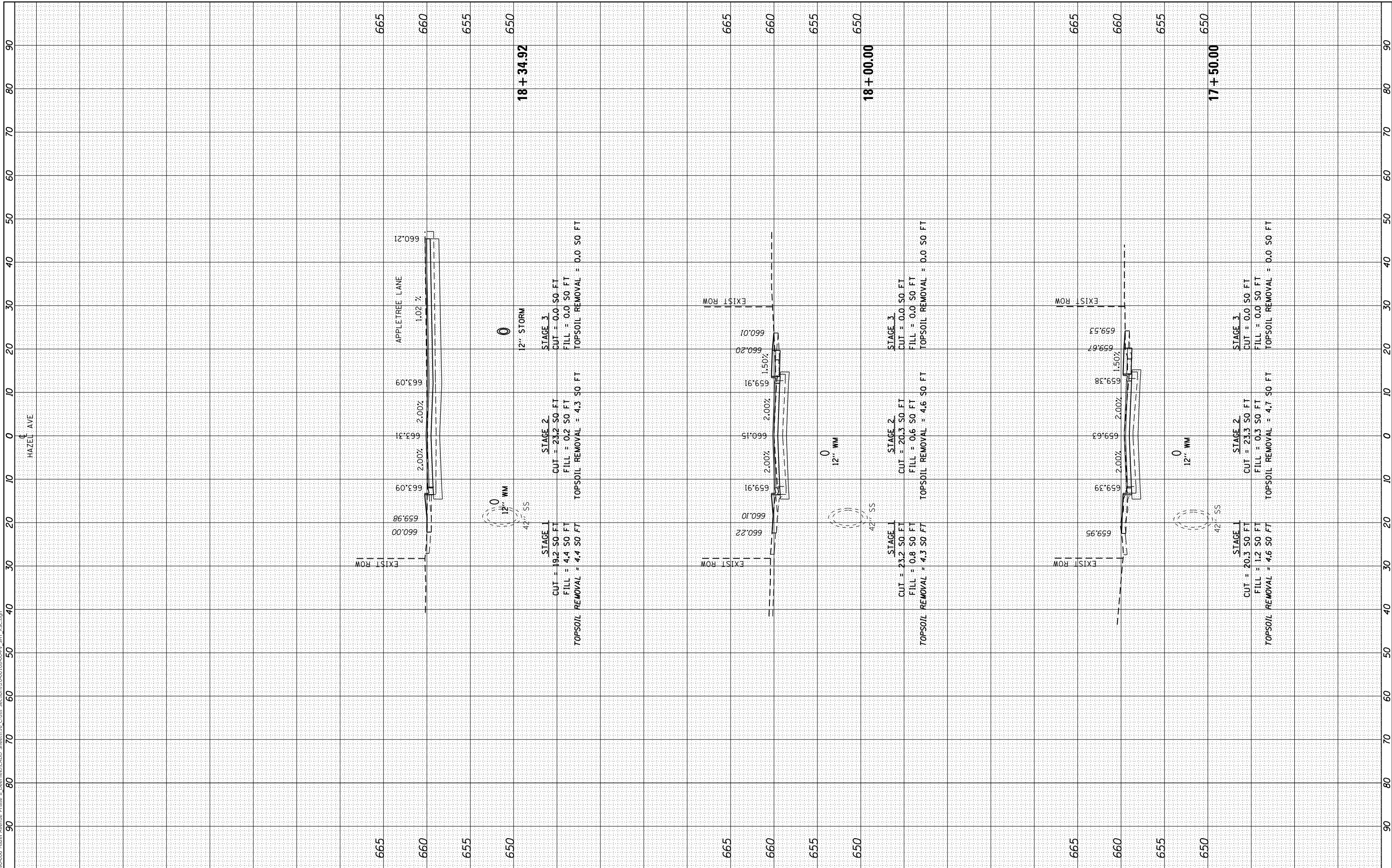
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|---|----------------------|
| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| 1"=5'V | |
| SCALE: 1"=10'H | SHEET 7 OF 51 SHEETS |
| STA. 16+70.52 | TO STA. 17+26.62 |

| | | | | |
|---------------------------|------------------------|-------------|--------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 177 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |

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|------------------|--------------------------------|----|------|
| FINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| | AREAS CHECKED | | |

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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| | AREAS CHECKED | | |

MODEL: Definit
 FILE NAME: P1090-006 - Hazel Avenue Phase II - Design/CADD Sheets/16 Cross Sections/20-00108-00-PV_SHT_155.dgn



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| USER NAME = gellwanger | DESIGNED - | REVISIONS |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISIONS |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISIONS |
| | DATE = 09/09/2024 | REVISIONS |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

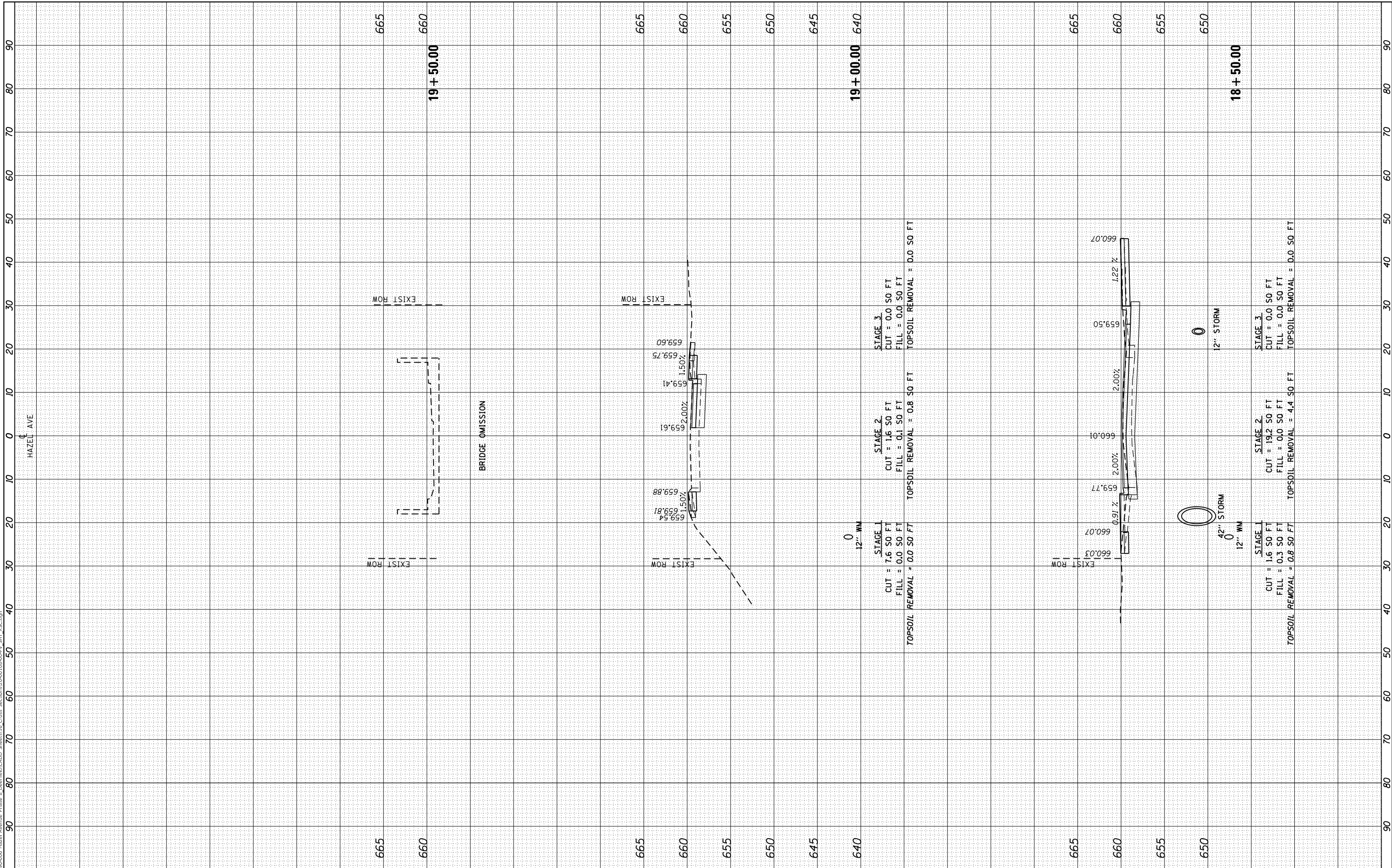
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| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| 1"=5'V | SCALE: 1"=10'H |
| SHEET 8 | OF 51 SHEETS |
| STA. 17+50.00 | TO STA. 18+34.92 |

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|---------------------------|------------------------|-------------|------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 178 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
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| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
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| | AREAS CHECKED | | |

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FILE NAME: F:\09-2024-006 - Hazel Avenue Phase II - Design\Bld\CADD Sheets\18+50.00-19+50.00-CPV_SHT_155.dgn



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| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
CROSS SECTIONS**

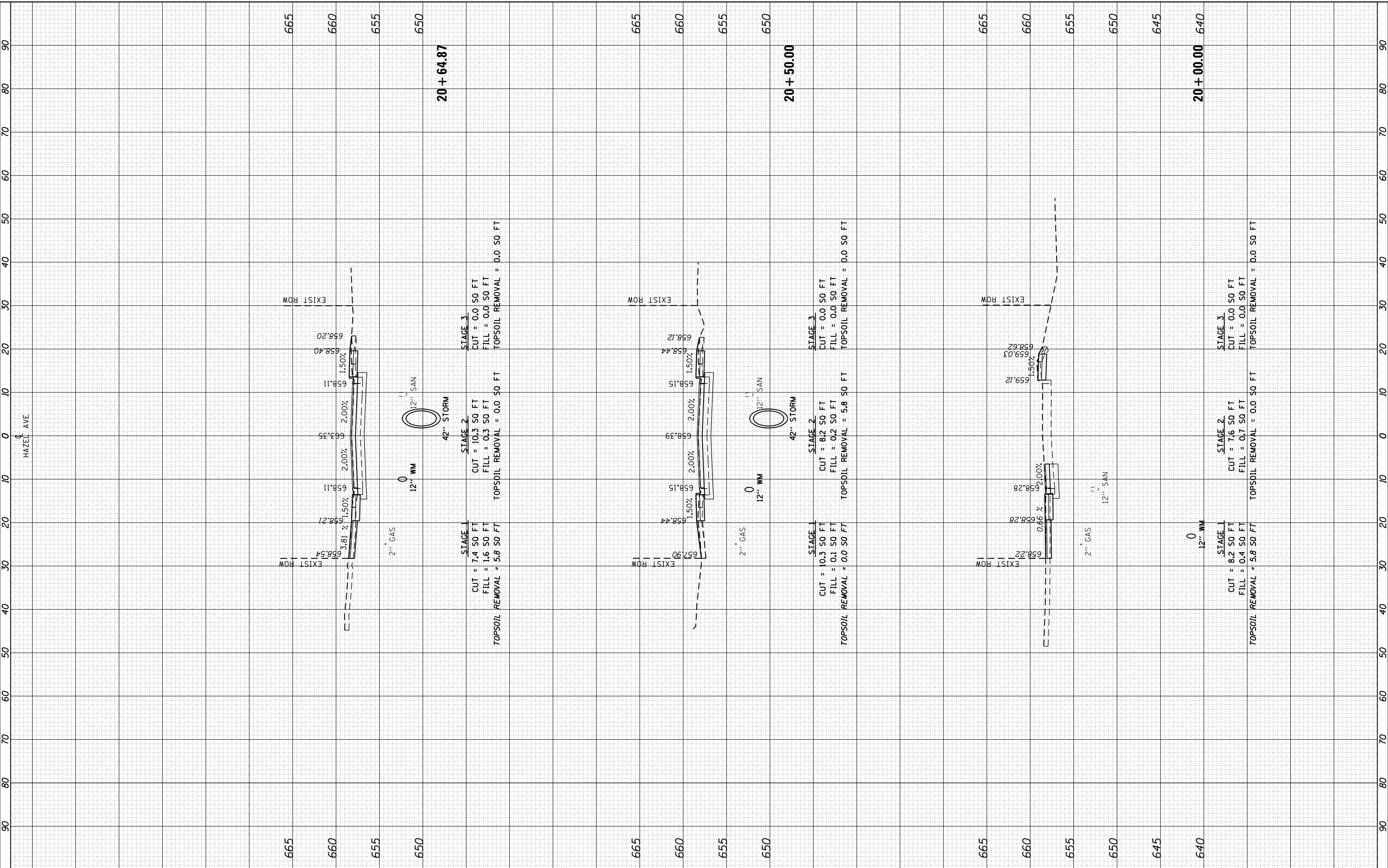
1"=5'V
SCALE: 1"=10'H SHEET 9 OF 51 SHEETS STA. 18+50.00 TO STA. 19+50.00

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|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1263 | 20-00108-00-PV | LAKE | 221 | 179 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| | TEMPLATE | | |
| | NOTE BOOK | | |
| | AREAS CHECKED | | |

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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| | TEMPLATE | | |
| | NOTE BOOK | | |
| | AREAS CHECKED | | |

MODEL: Definit
 FILE NAME: P:\09-2006-Hazel Avenue Phase II.Dwg
 Description: Cross Sections 20+00.00-20+64.87 SH1 X5C.dwg



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| USER NAME = gellwanger | DESIGNED - | REVISD - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISD - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISD - |
| | DATE - 09/09/2024 | REVISD - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
 CROSS SECTIONS**

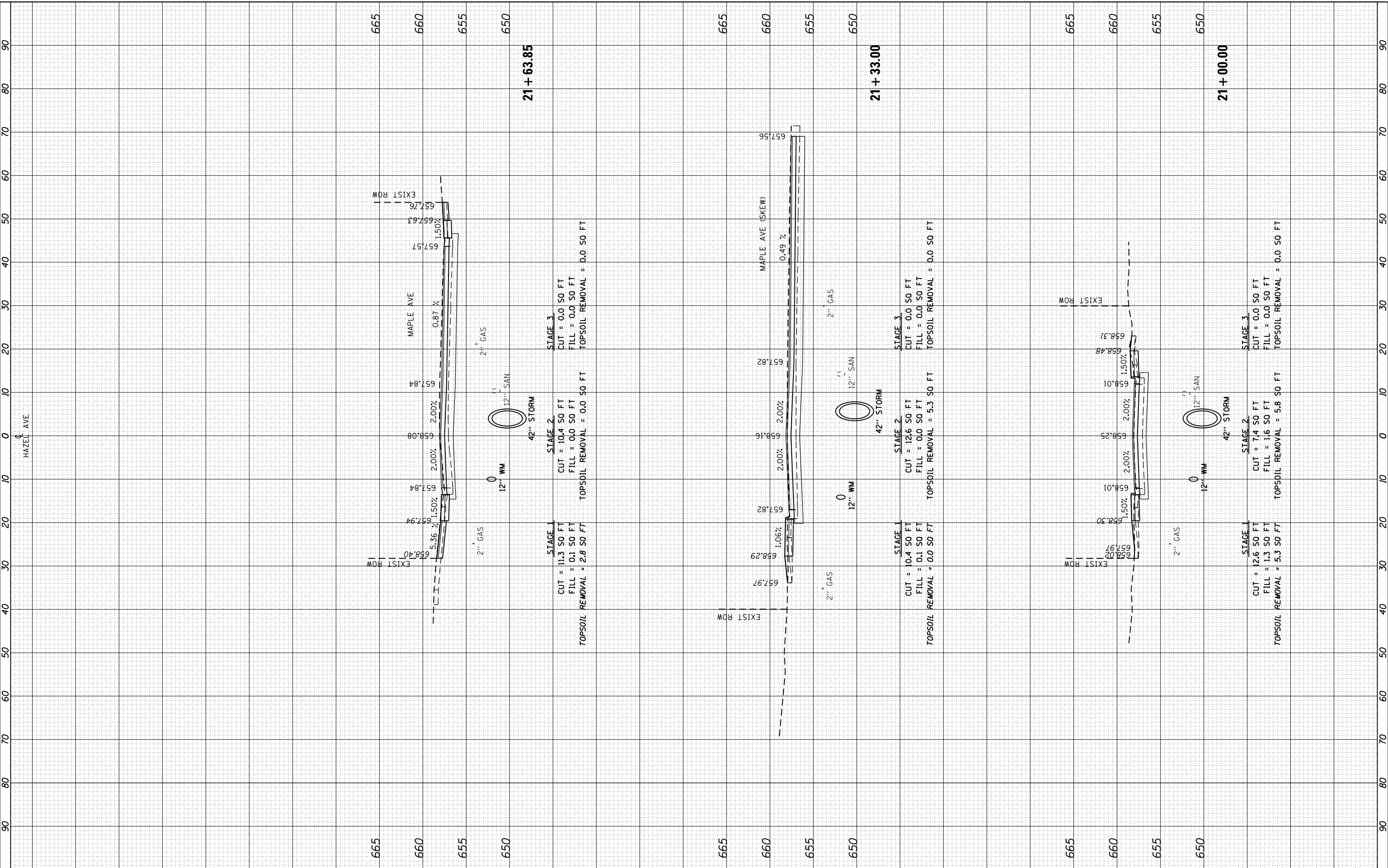
SCALE: 1"=10'H SHEET 10 OF 51 SHEETS STA. 20+00.00 TO STA. 20+64.87

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|---------------------------|------------------------|-------------|------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 180 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| | AREAS CHECKED | | |

MODEL: Definit
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| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HAZEL AVENUE IMPROVEMENTS
 CROSS SECTIONS
 1"=5'V
 SCALE: 1"=10'H

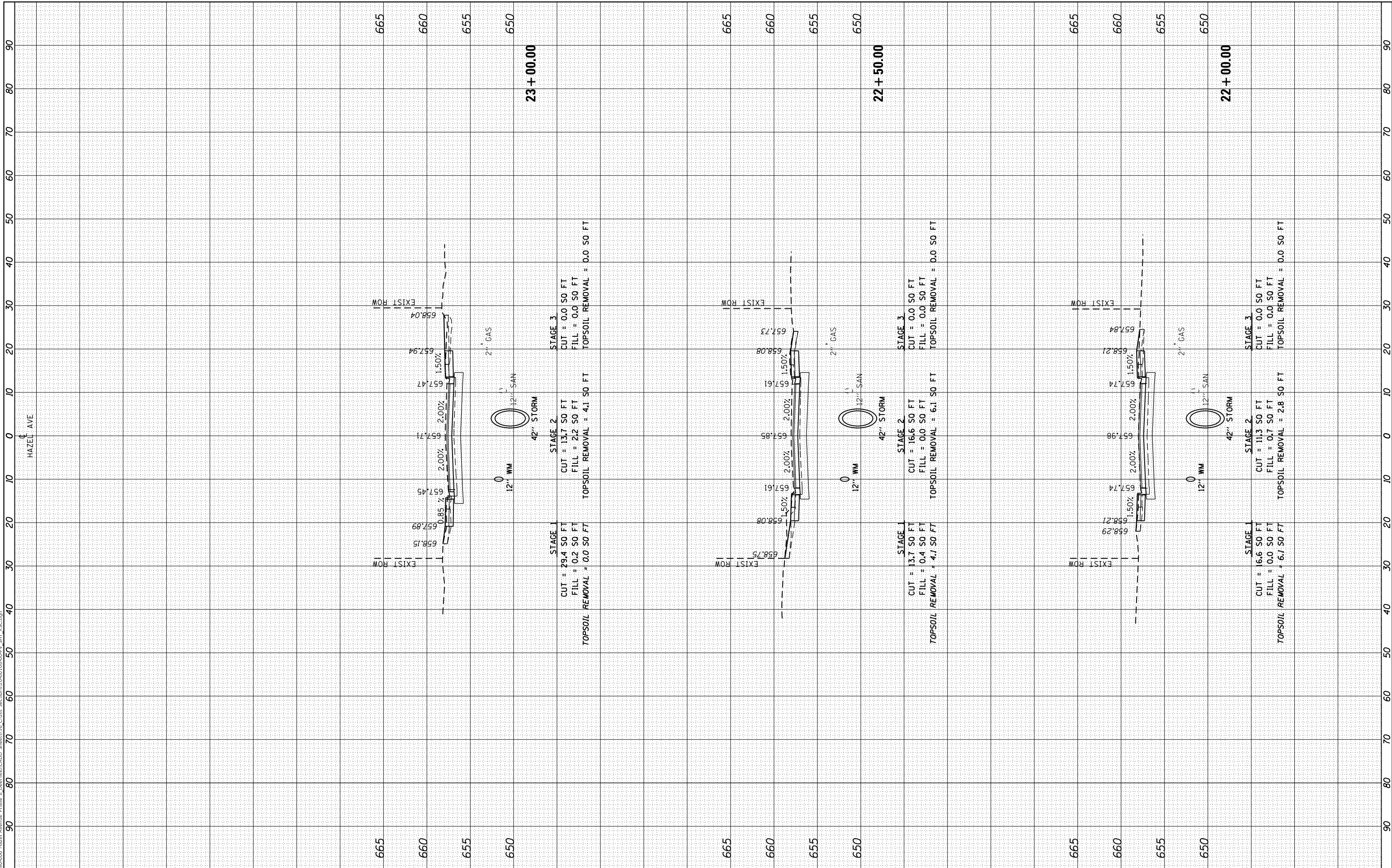
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| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |

SHEET 11 OF 51 SHEETS STA. 21+00.00 TO STA. 21+63.85

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| FINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| AREAS CHECKED | | | |

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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| AREAS CHECKED | | | |

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| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

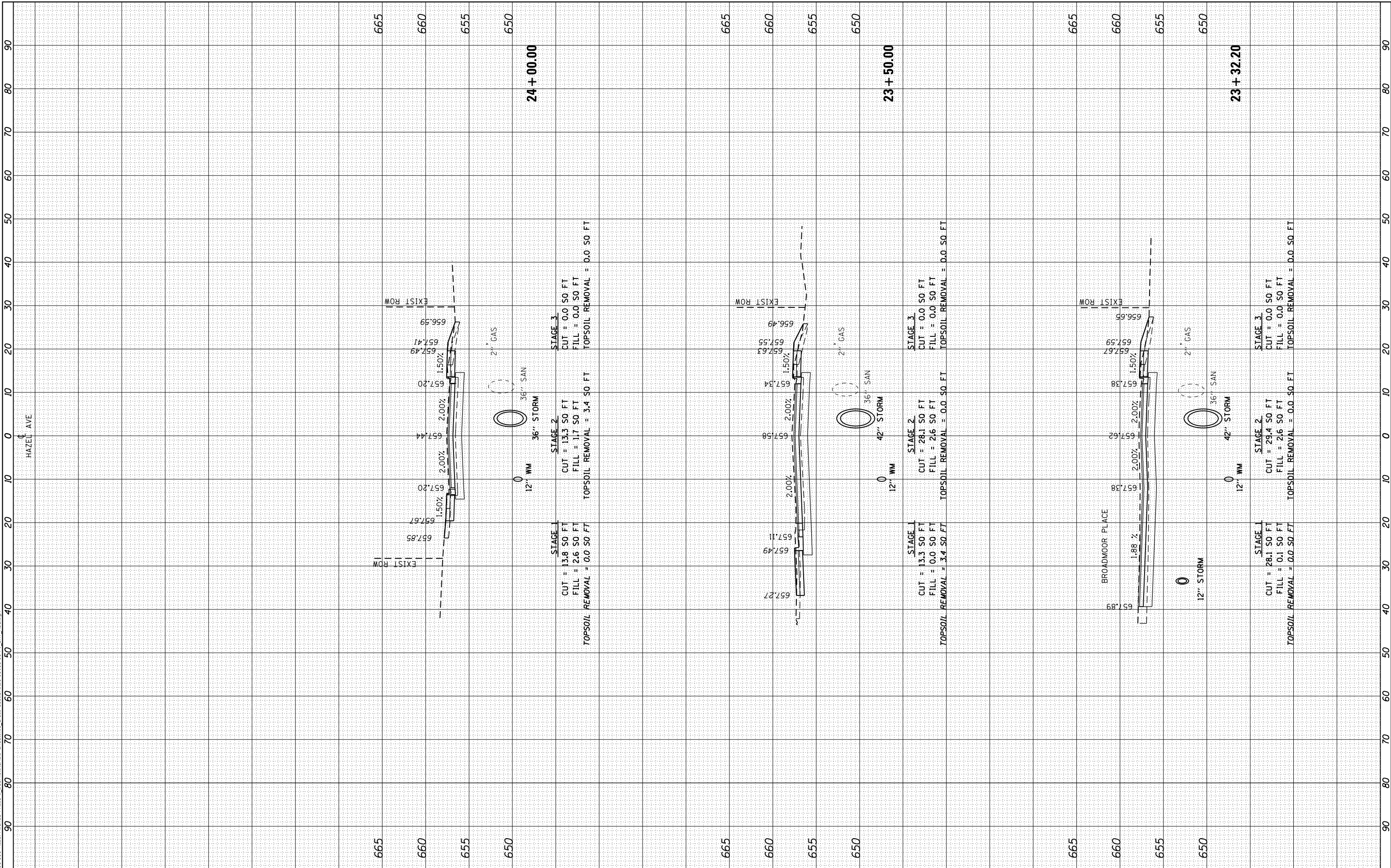
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| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| SCALE: 1"=10'H | SHEET 12 OF 51 SHEETS |
| STA. 22+00.00 | TO STA. 23+00.00 |

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|---------------------------|------------------------|-------------|------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 182 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| AREAS CHECKED | | | |

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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| AREAS CHECKED | | | |

MODEL: Definitive
 FILE NAME: P100-006 - Hazel Avenue Phase II - Description of Cross Sections 20-00108-00-PV_SHT 155.dgn



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| USER NAME = gellwanger | DESIGNED - | REVISOR - |
| PLOT SCALE = 20,0000' / in. | DRAWN - | REVISOR - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISOR - |
| | DATE = 09/09/2024 | REVISOR - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
 CROSS SECTIONS**

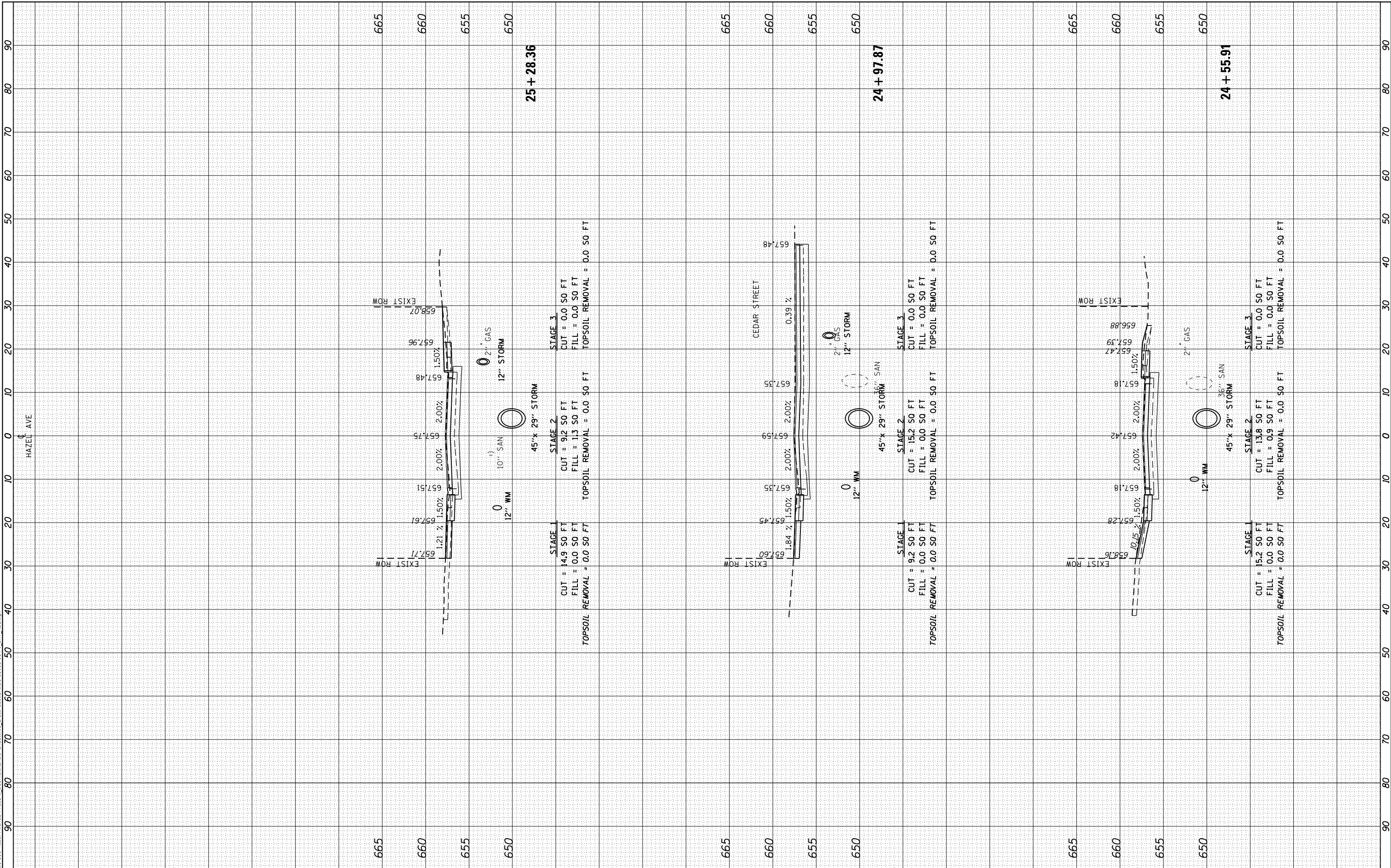
SCALE: 1"=5'V
 SHEET 13 OF 51 SHEETS STA. 23+32.20 TO STA. 24+00.00

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|---------------------------|------------------------|-------------|--------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 183 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |

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| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
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| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |
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| USER NAME = gellwanger | DESIGNED - | REVISOR - |
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| PLOT SCALE = 20,0000' / in. | CHECKED - | REVISOR - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISOR - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

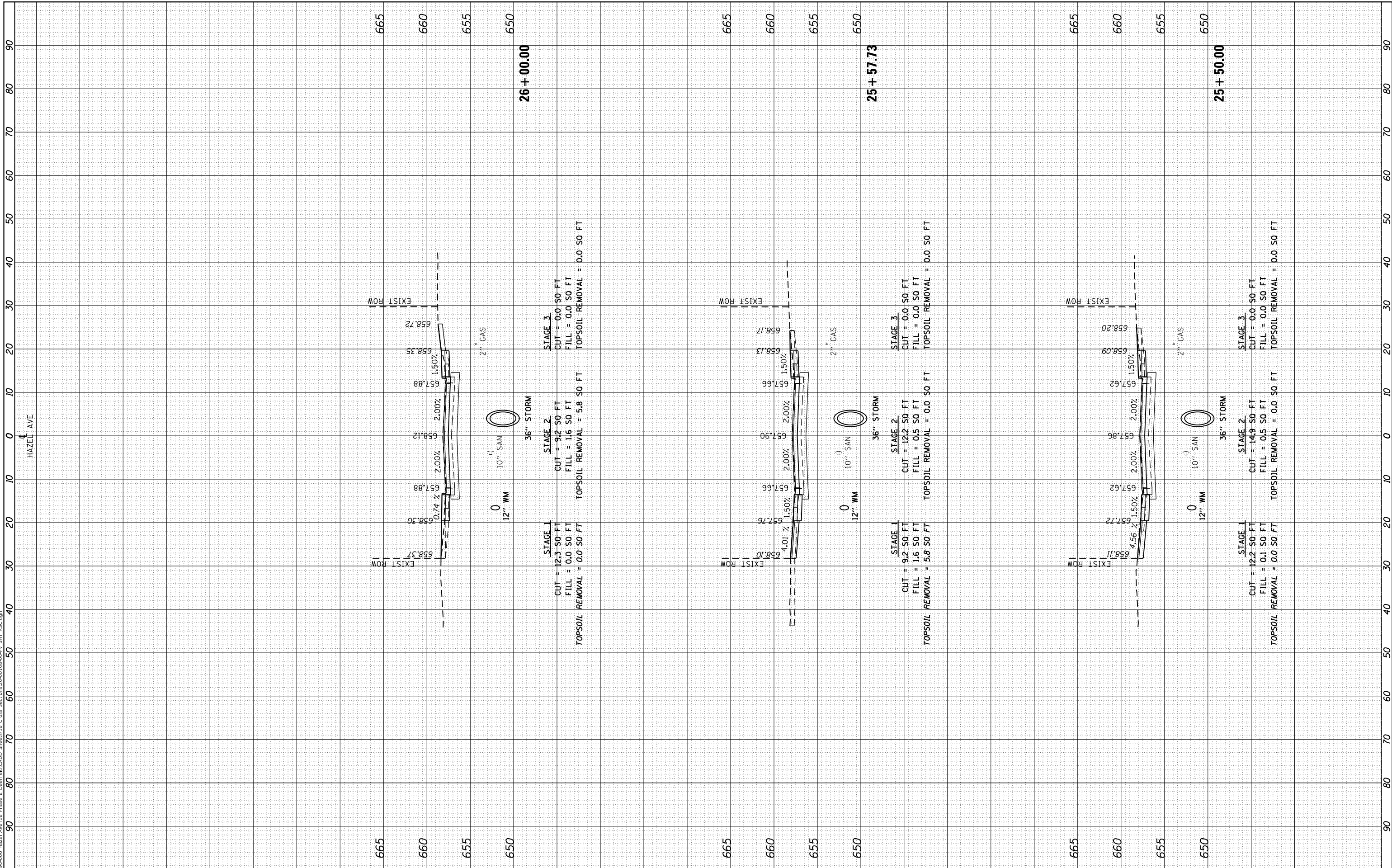
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| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | | | |
| 1"=5'V | SHEET 14 | OF 51 SHEETS | STA. 24+55.91 TO STA. 25+28.36 |

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| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 184 |
| ILLINOIS FED. AID PROJECT | | | | CONTRACT NO. 61K74 |

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| FINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
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| AREAS CHECKED | | | |

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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
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| USER NAME = gellwanger | DESIGNED - | REVISOR - |
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| | DATE = 09/09/2024 | REVISOR - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

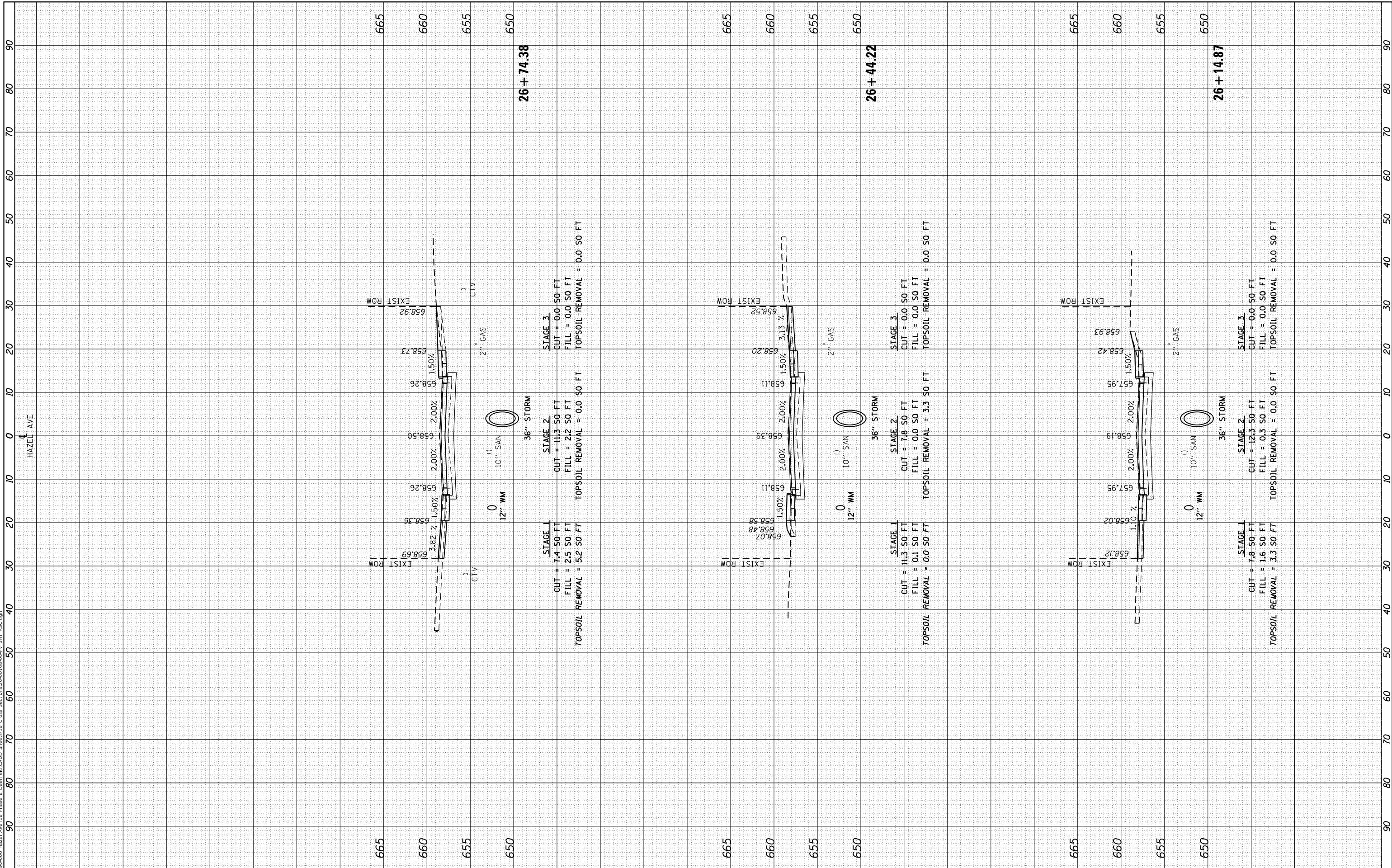
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| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| SCALE: 1"=5'V | SHEET 15 OF 51 SHEETS |
| STA. 25+50.00 | TO STA. 26+00.00 |

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|---------------------------|------------------------|-------------|--------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 185 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| | AREAS CHECKED | | |

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| | DATE - 09/09/2024 | REVISIED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

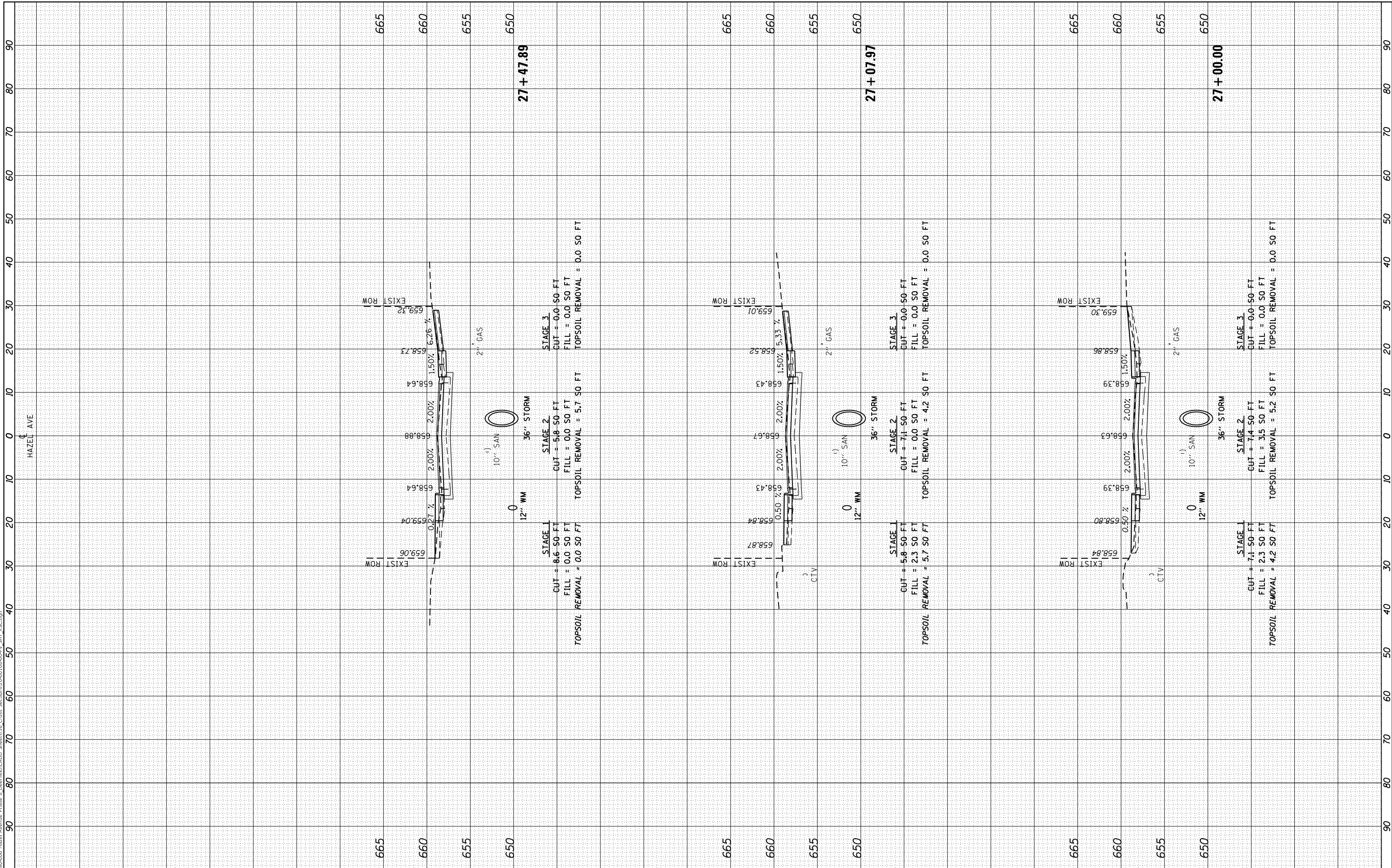
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| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| SCALE: 1"=5'V | SHEET 16 OF 51 SHEETS |
| STA. 26+14.87 | TO STA. 26+74.38 |

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|---------------------------|------------------------|-------------|--------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 186 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |

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| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

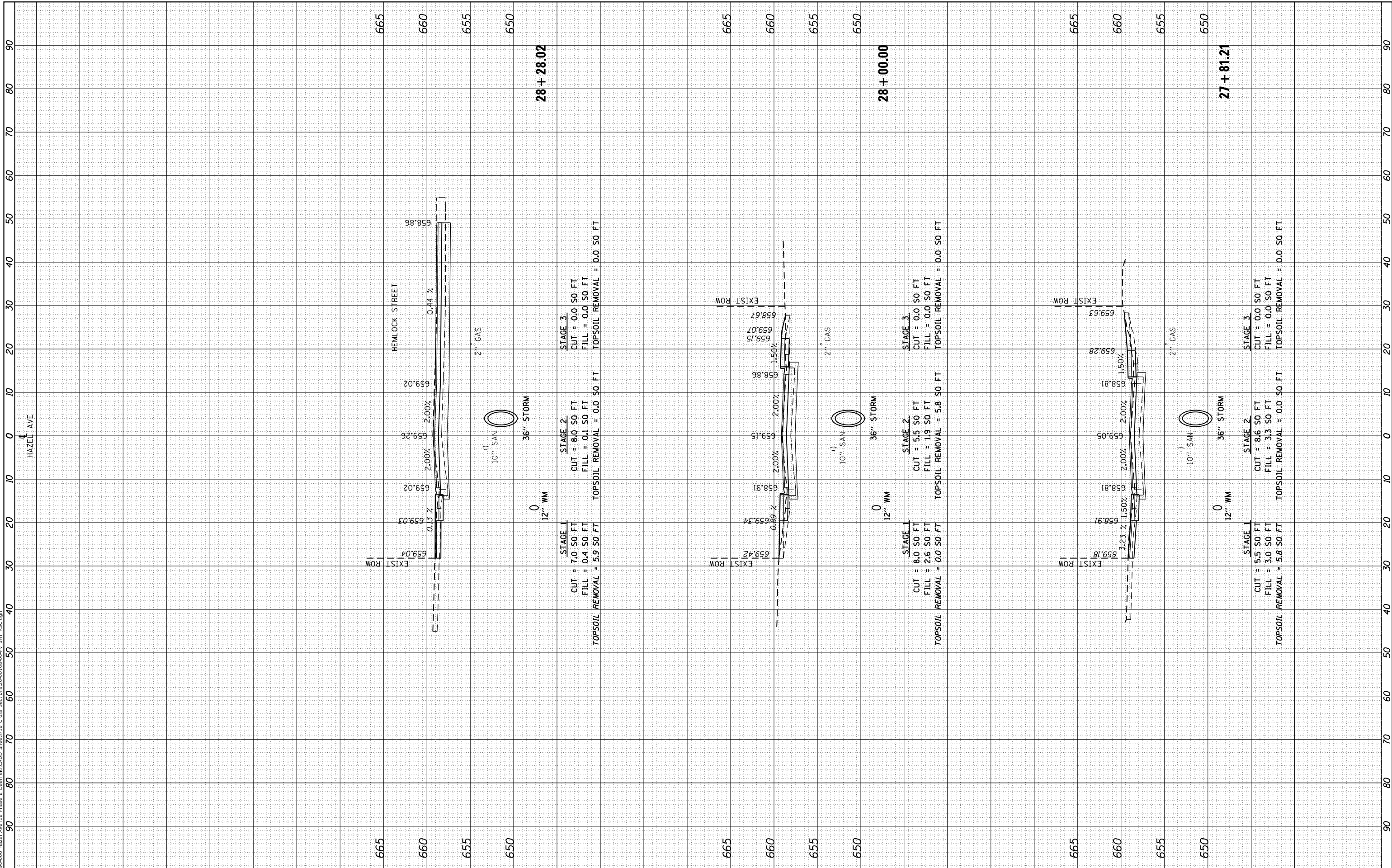
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| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| 1"=5'V | SCALE: 1"=10'H |
| SHEET 17 | OF 51 SHEETS |
| STA. 27+00.00 | TO STA. 27+47.89 |

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|---------------------------|------------------------|-------------|--------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 187 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| AREAS CHECKED | | | |

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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
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| | DATE = 09/09/2024 | REVISOR - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

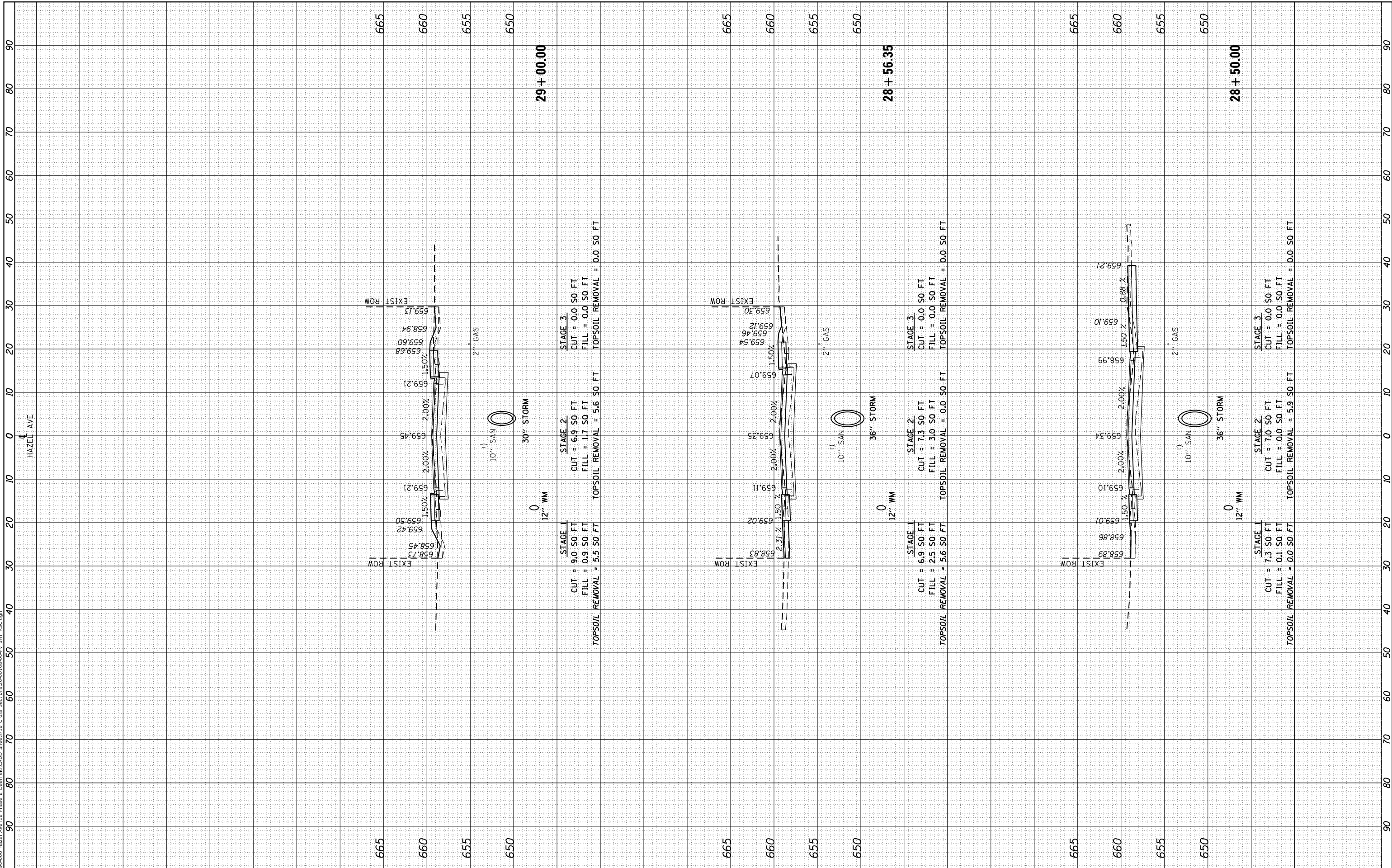
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| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| SCALE: 1"=5'V | SHEET 18 OF 51 SHEETS |
| STA. 27+81.21 | TO STA. 28+28.02 |

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|---------------------------|------------------------|-------------|------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 188 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| | AREAS CHECKED | | |

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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

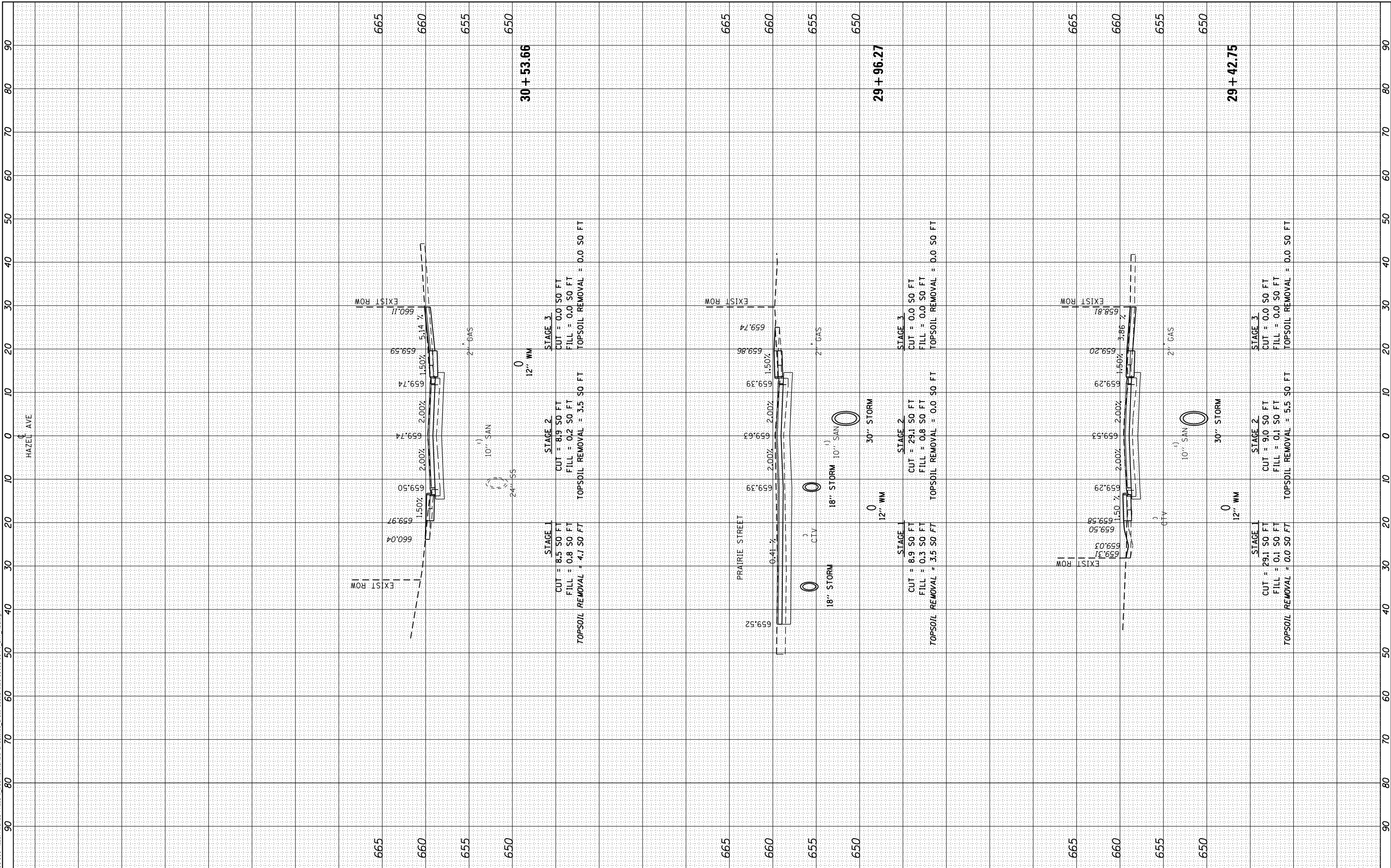
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| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| SCALE: 1"=5'V | SHEET 19 OF 51 SHEETS |
| STA. 28+50.00 | TO STA. 29+00.00 |

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|---------------------------|------------------------|-------------|------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 189 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY NO. | SURVEYED | BY | DATE |
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| USER NAME = gellwanger | DESIGNED - | REVISOR - |
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| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISOR - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISOR - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

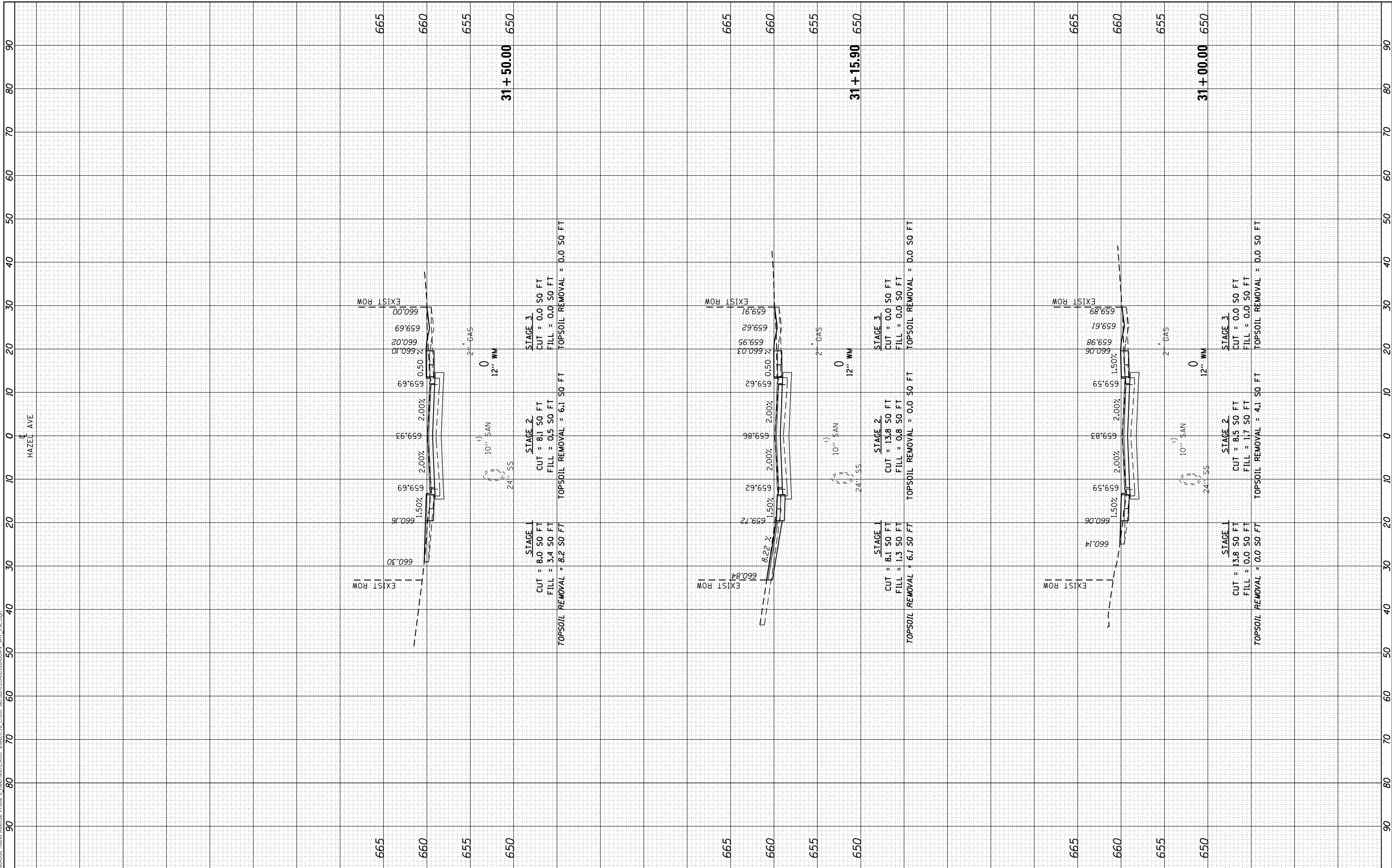
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| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| SCALE: 1"=5'V | SHEET 20 OF 51 SHEETS |
| STA. 29+42.75 | TO STA. 30+53.66 |

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|---------------------------|------------------------|-------------|------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 190 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| | AREAS CHECKED | | |

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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| | AREAS CHECKED | | |

MODEL: Definit
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

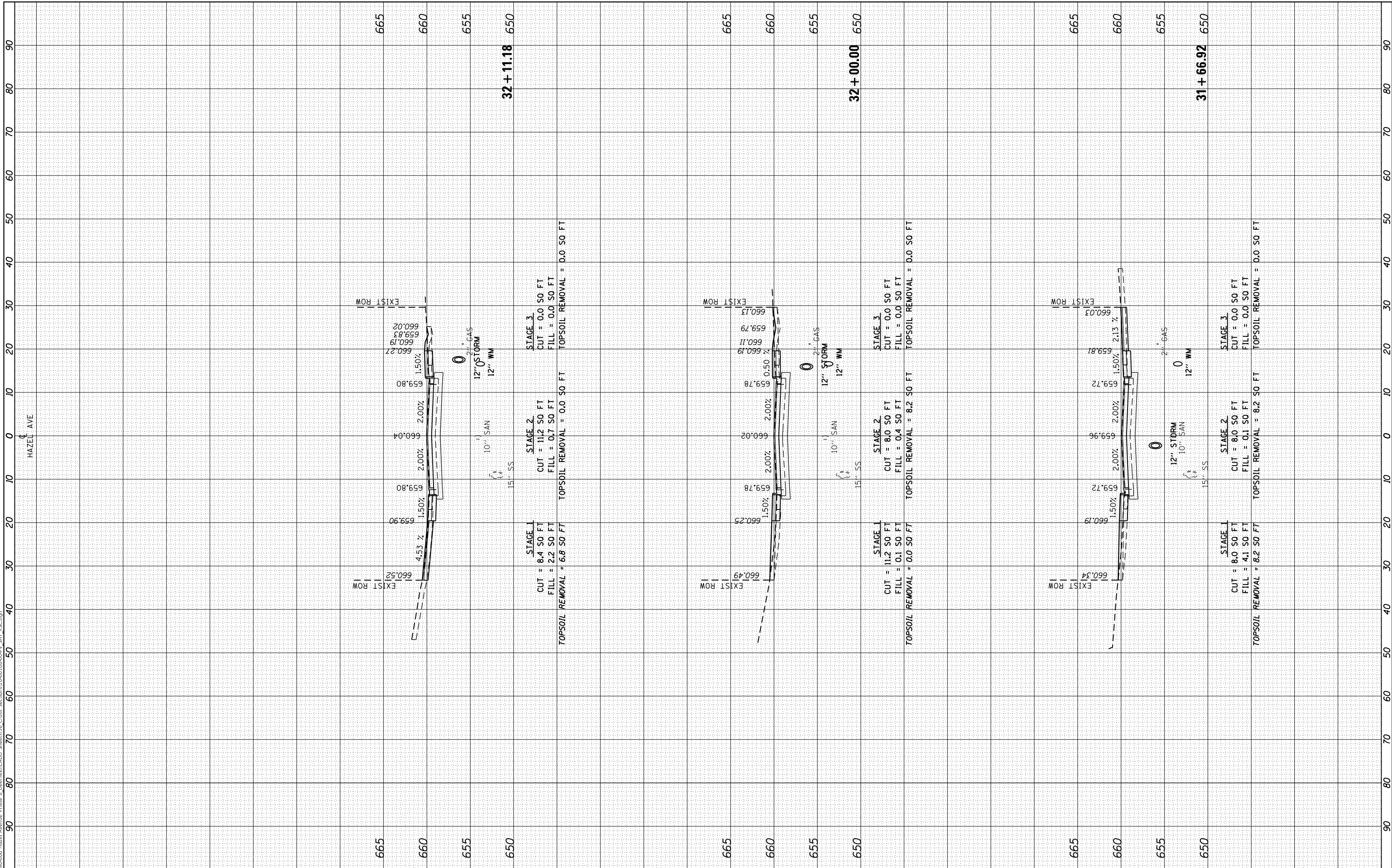
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|---|-----------------------|
| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| SCALE: 1"=5'V | SHEET 21 OF 51 SHEETS |
| STA. 31+00.00 TO STA. 31+50.00 | |

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|---------------------------|------------------------|-------------|------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 191 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| AREAS CHECKED | | | |

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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
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MODEL: Definit
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| PLOT SCALE = 20.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE = 09/09/2024 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

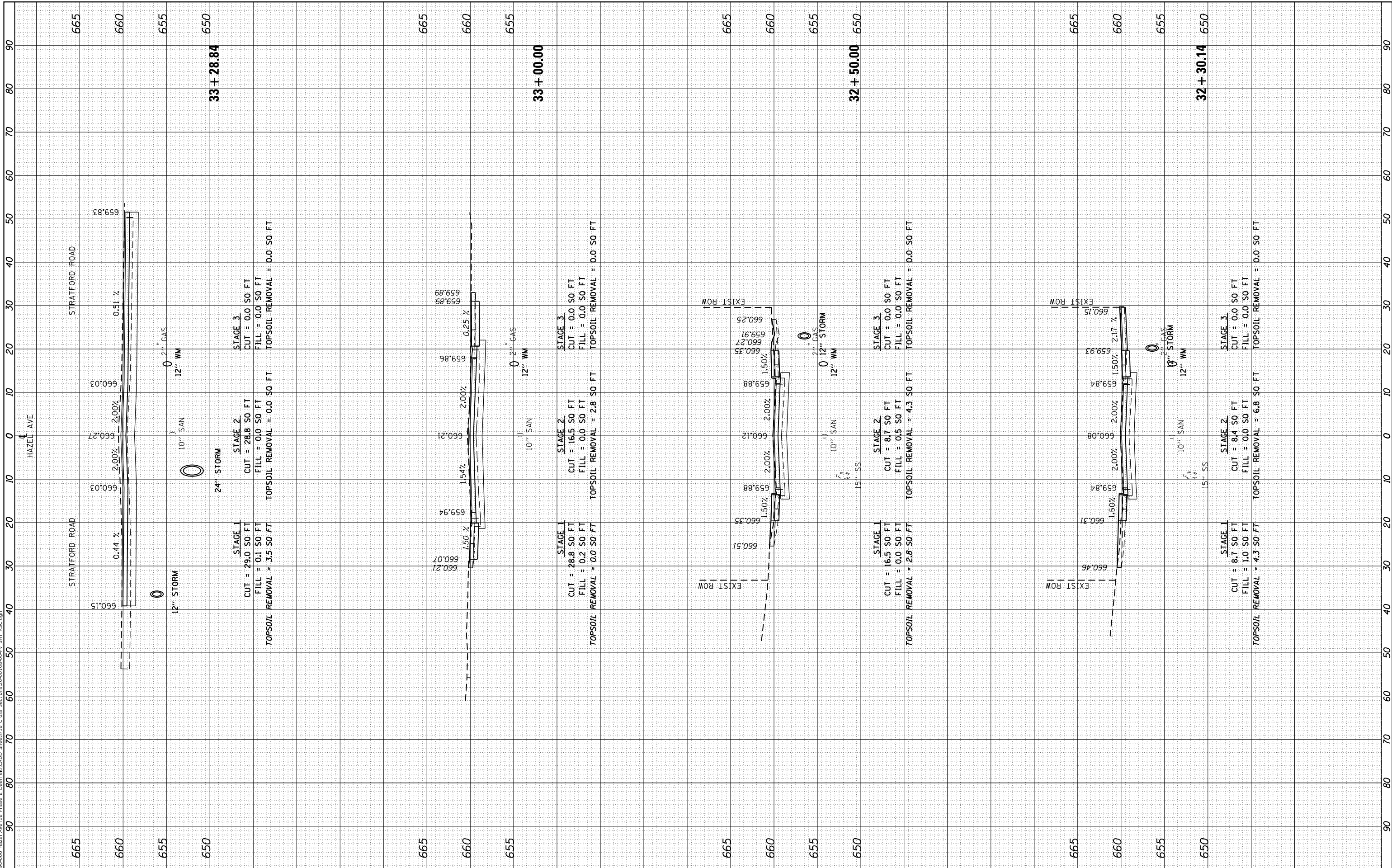
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|---|------------------|
| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| 1"=5'V | SCALE: 1"=10'H |
| SHEET 22 | OF 51 SHEETS |
| STA. 31+66.92 | TO STA. 32+11.18 |

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|---------------------------|------------------------|-------------|--------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 192 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |

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| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |
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| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |
| | AREAS CHECKED | | |

MODEL: Defaulr
 FILE NAME: P:\09-2006-Hazel Avenue Phase II.Dwg
 Description: 20-00108-00-PV_SHT_X55.dwg



BLA, Inc.

| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

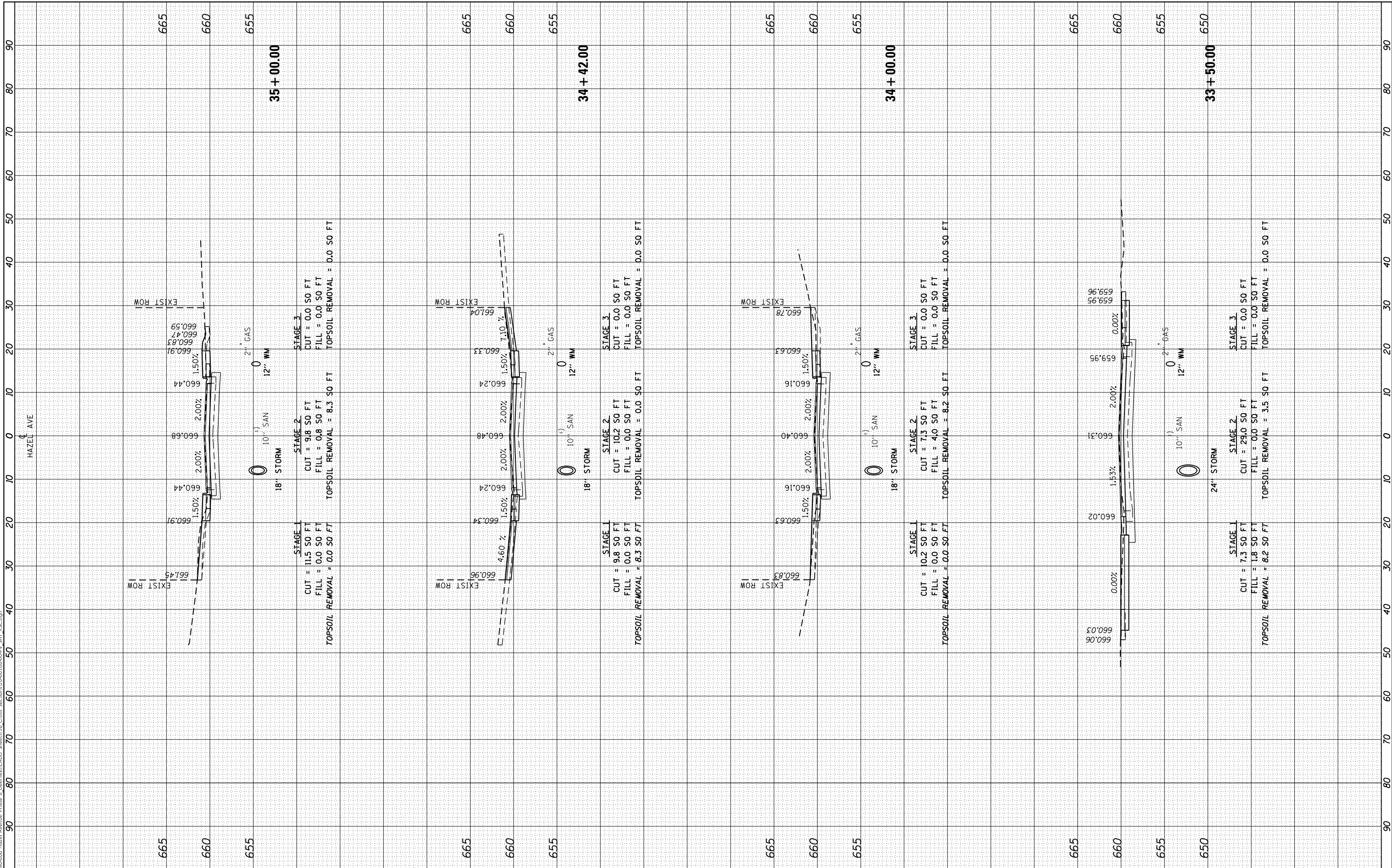
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| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| SCALE: 1"=5'V | SHEET 23 OF 51 SHEETS |
| STA. 32+30.14 | TO STA. 33+28.84 |

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|---------------------------|------------------------|-------------|--------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 193 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |

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| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |
| | AREAS CHECKED | | |

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| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |
| | AREAS CHECKED | | |

MODEL: Definit
 FILE NAME: P100-006 - Hazel Avenue Phase II - Description of Cross Sections 20-00108-00-PV_SHT_X55.dgn



BLA, Inc.

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|-----------------------------|-------------------|
| USER NAME = gellwanger | DESIGNED - |
| | DRAWN - |
| PLOT SCALE = 20.0000' / in. | CHECKED - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 |

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

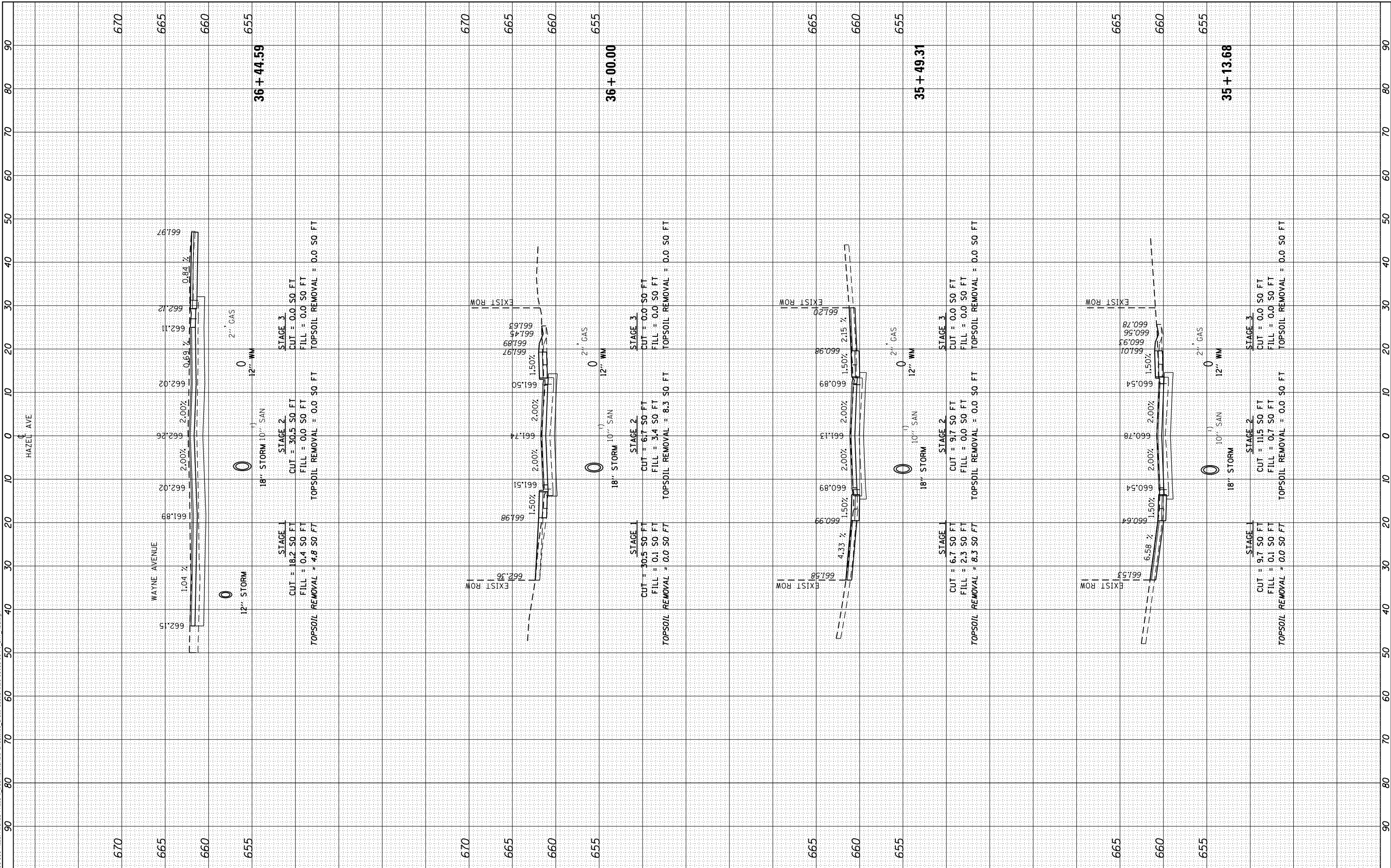
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| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| 1"=5'V | SCALE: 1"=10'H |
| SHEET 24 OF 51 SHEETS | STA. 33+50.00 TO STA. 35+00.00 |

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| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 194 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |

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| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
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| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |
| | AREAS CHECKED | | |

MODEL: Definit
 FILE NAME: P109A-006 - Hazel Avenue Phase II - Description of Cross Sections 20-00108-00-PV_SHT_X55.dgn



BLA, Inc.

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| USER NAME = gellwanger | DESIGNED - | REVISOR - |
| | DRAWN - | REVISOR - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISOR - |
| PLOT DATE = 9/10/2024 | DATE = 09/09/2024 | REVISOR - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

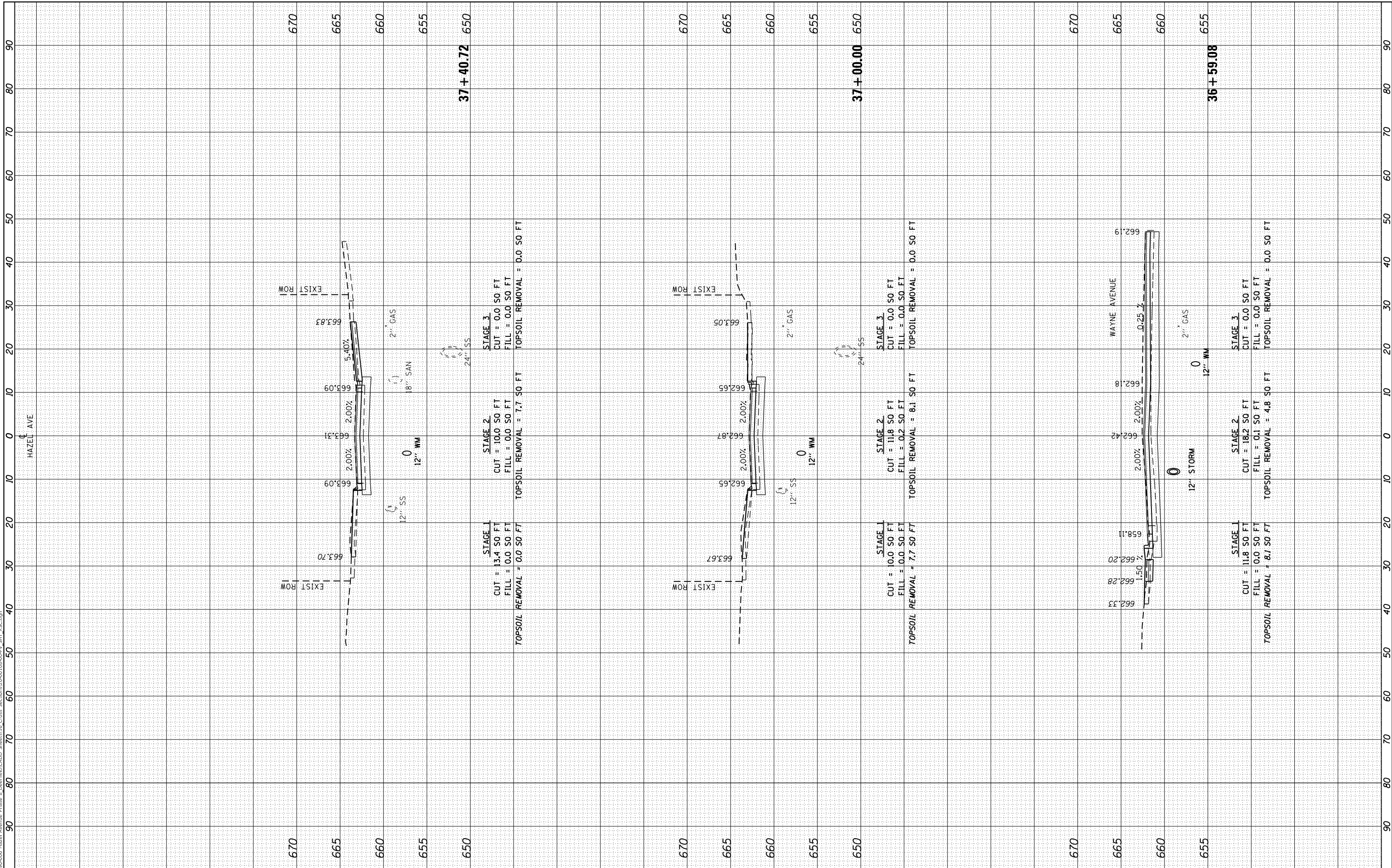
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| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| SCALE: 1"=5'V | SHEET 25 OF 51 SHEETS |
| STA. 35+13.68 | TO STA. 36+44.59 |

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|---------------------------|------------------------|-------------|--------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 195 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
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MODEL: Definit
 FILE NAME: F:\09-2006-Hazel Avenue Phase II_Design\B\CADD_Spreads\16_Cross_Section\16-00-PV_SHT_155.dgn



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| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| | CHECKED - | REVISED - |
| | DATE - 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
 CROSS SECTIONS**

1"=5'V
 SCALE: 1"=10'H

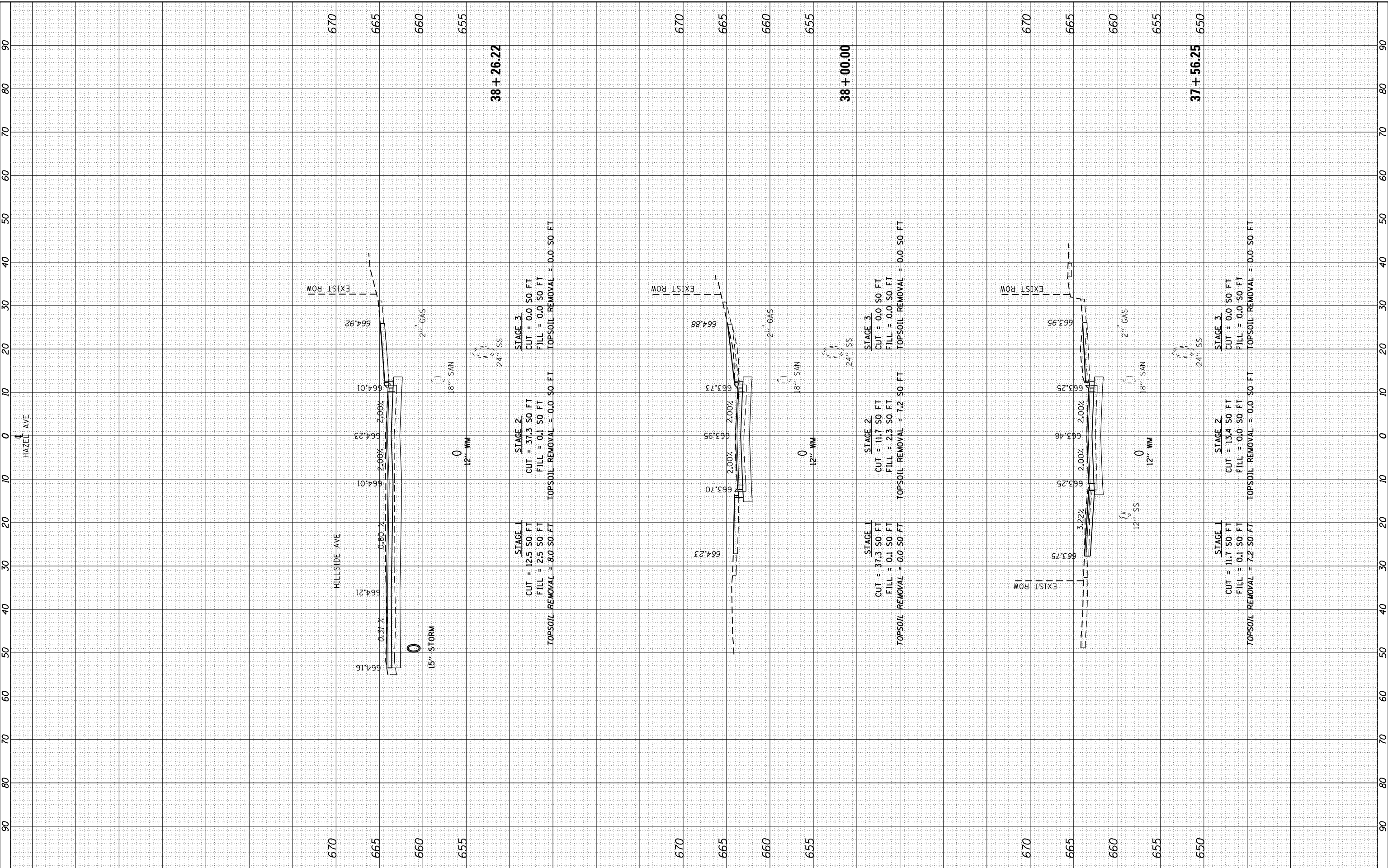
SHEET 26 OF 51 SHEETS STA. 36+59.08 TO STA. 37+40.72

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| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 196 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| AREAS CHECKED | AREAS CHECKED | | |

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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| AREAS CHECKED | AREAS CHECKED | | |

MODEL: Defnair
 FILE NAME: P1090-006 - Hazel Avenue Phase II - Description Cross Sections 20-00108-00-PV_SHT_155.dgn



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| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE = 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HAZEL AVENUE IMPROVEMENTS
 CROSS SECTIONS**

1"=5'V
 SCALE: 1"=10'H

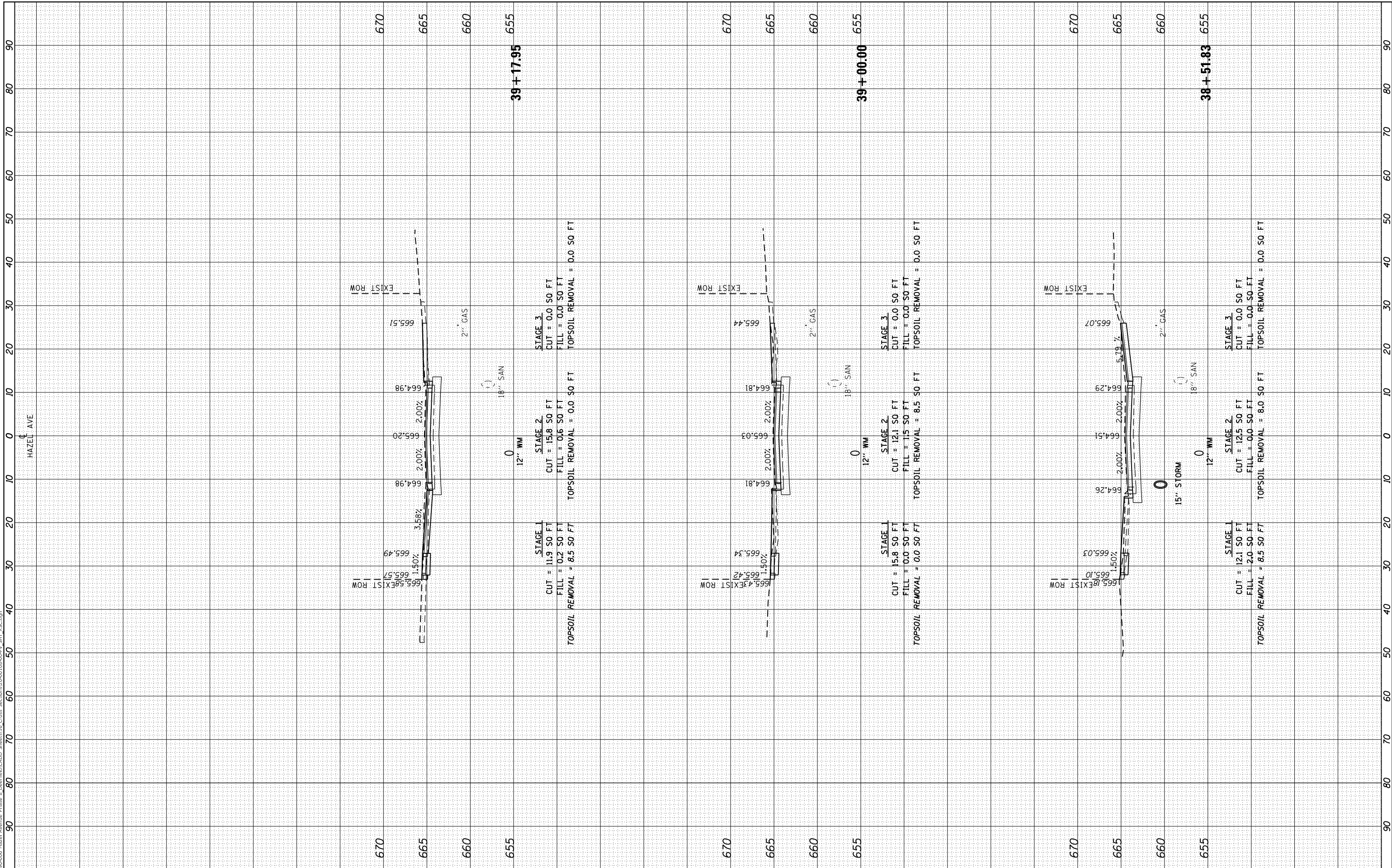
SHEET 27 OF 51 SHEETS STA. 37+56.25 TO STA. 38+26.22

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| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 197 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY NO. | SURVEYED | DATE |
| NOTE BOOK | PLOTTED | |
| AREAS CHECKED | TEMPLATE | |
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| ORIGINAL SURVEY NO. | SURVEYED | DATE |
| NOTE BOOK | PLOTTED | |
| AREAS CHECKED | TEMPLATE | |
| | AREAS CHECKED | |

MODEL: Definit
 FILE NAME: P100-006 - Hazel Avenue Phase II - Description of Cross Sections 20-00108-00-PV_SHT 155.dgn



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| USER NAME = gellwanger | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 9/10/2024 | DATE - 09/09/2024 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

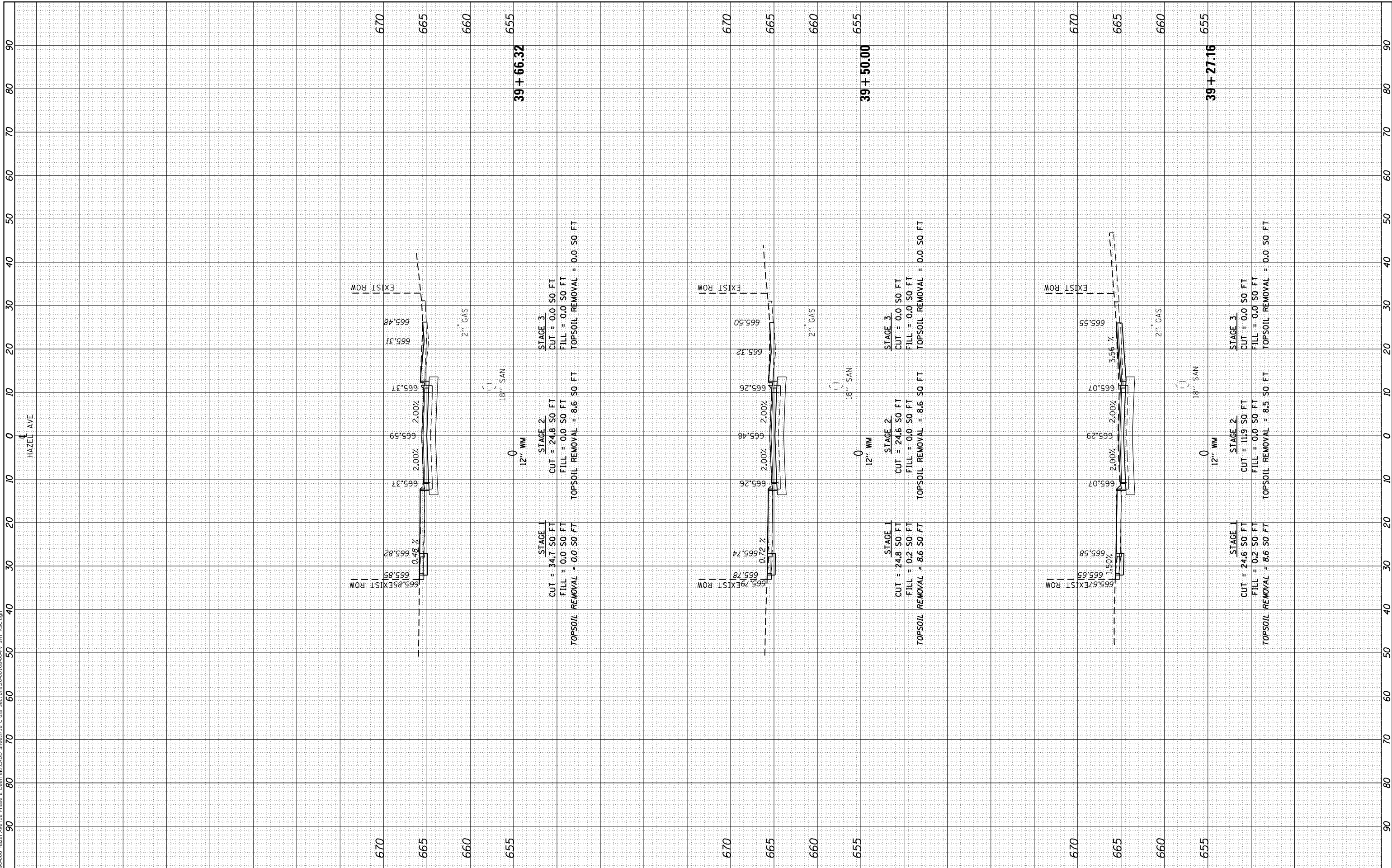
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| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| SCALE: 1"=5'V | SHEET 28 OF 51 SHEETS |
| STA. 38+51.83 | TO STA. 39+17.95 |

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| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 198 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |

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MODEL: Defnair
 FILE NAME: P1090-006 - Hazel Avenue Phase II - Design/CADD Sheets/16 Cross Sections/20-00108-00-PV_SHT_155.dgn



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| USER NAME = gellwanger | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISED - |
| | DATE = 09/09/2024 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

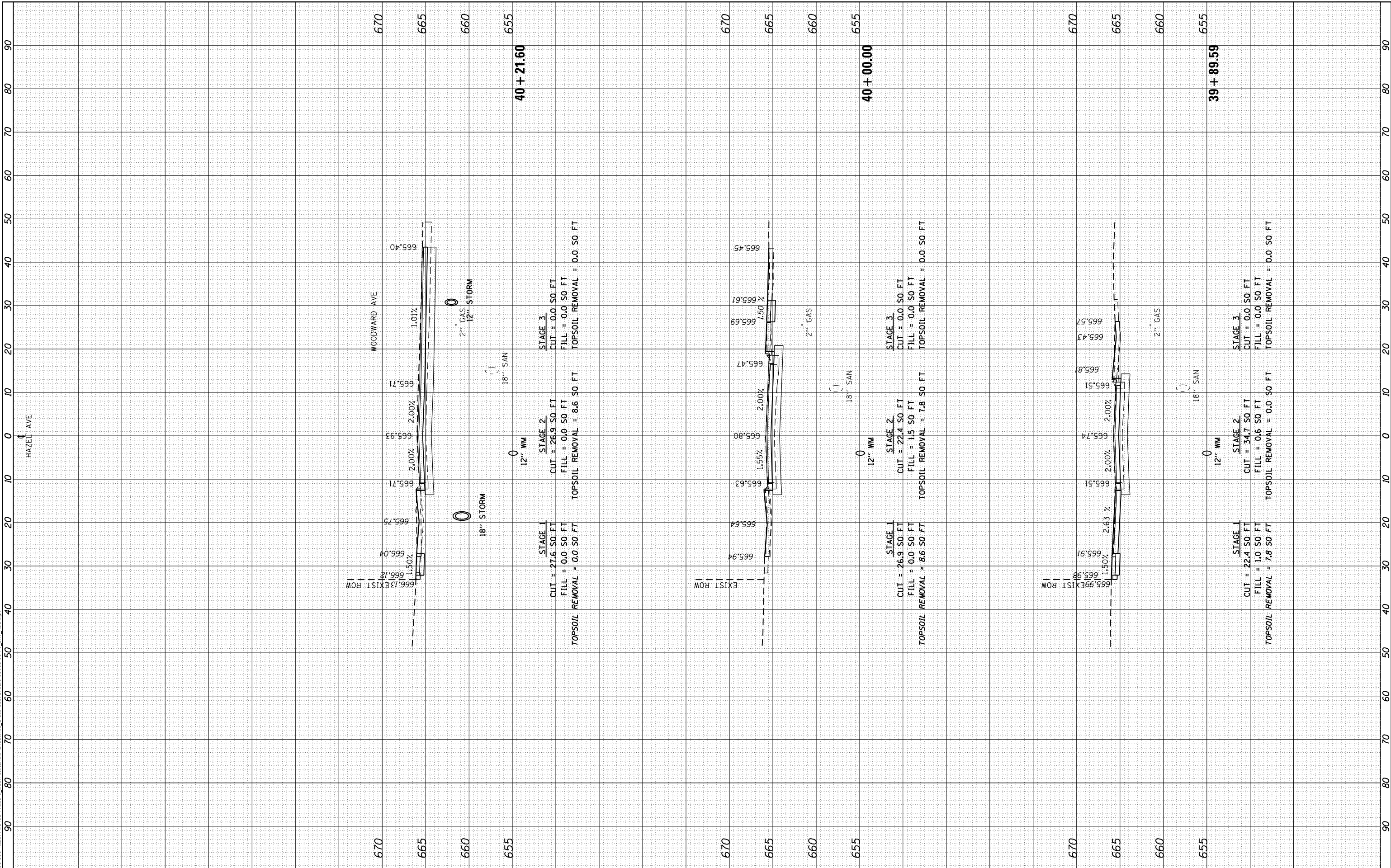
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|---|------------------|
| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| 1"=5'V | SCALE: 1"=10'H |
| SHEET 29 | OF 51 SHEETS |
| STA. 39+27.16 | TO STA. 39+66.32 |

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|---------------------------|------------------------|-------------|------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 199 |
| CONTRACT NO. 61K74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| | AREAS CHECKED | | |

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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK | TEMPLATE | | |
| | AREAS CHECKED | | |

MODEL: Definit
 FILE NAME: F:\09-2006-Hazel Avenue Phase II Design\CADD Sheets\16 Cross Sections\20-00108-00-PV_SHT_X55.dgn



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|-----------------------------|-------------------|-----------|
| USER NAME = gellwanger | DESIGNED - | REVISOR - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISOR - |
| PLOT DATE = 9/10/2024 | CHECKED - | REVISOR - |
| | DATE = 09/09/2024 | REVISOR - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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| HAZEL AVENUE IMPROVEMENTS CROSS SECTIONS | |
| 1"=5'V | SCALE: 1"=10'H |
| SHEET 30 | OF 51 SHEETS |
| STA. 39+89.59 | TO STA. 40+21.60 |

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|---------------------------|------------------------|-------------|--------------------|---------------|
| F.A.U. RTE. 1263 | SECTION 20-00108-00-PV | COUNTY LAKE | TOTAL SHEETS 221 | SHEET NO. 200 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61K74 | |