

GENERAL NOTES:

- SITE BENCHMARKS: BRASS DISC AT CENTERLINE OF EXISTING SAUGET INDUSTRIAL PARKWAY 59+68.28 RT 0.00' SAUGET BUSINESS BOULEVARD 44+91.96 LT 935.95' (ELEV 409.59 BRASS DISC), SAUGET BUSINESS BOULEVARD 50+58.21 LT 1511.17' (ELEV 408.19 BRASS DISC)
- THE EXISTING UTILITY LOCATIONS SHOWN ON THESE PLANS WERE COMPILED FROM THE BEST AVAILABLE RECORDS. CONTRACTORS SHALL COORDINATE WITH THE VARIOUS UTILITY COMPANIES TO ESTABLISH EXACT LOCATIONS & DEPTHS PRIOR TO EXCAVATING. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING & SUPPORTING ALL UTILITIES DURING CONSTRUCTION OPERATIONS. CONTRACTOR SHALL CONTACT THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) AT 1-800-892-0123 FOR LOCATING THE VARIOUS UTILITIES DURING CONSTRUCTION.
- CONTRACTOR TO PROVIDE ALL TRAFFIC CONTROL (BARRICADES, WARNING LIGHTS, SIGNAGE, ETC.) IN ACCORDANCE WITH THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STEETS AND HIGHWAYS. MAINTAIN LOCAL TRAFFIC ACCESS AT ALL TIMES.
- LOCAL AGENCY (VILLAGE OF SAUGET) HAS DESIGNATED A SPOILS AREA FOR EXCESS EARTH EXCAVATION. (PLAN AND PROFILE SHEETS)
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- ALL BUSINESSES SHALL HAVE ACCESS AT ALL TIMES.
- DURING BOX CULVERT AND SEWER CROSSING CONSTRUCTION AND ROADSIDE IMPROVMENTS, MAINTAIN ONE LANE OPEN AT ALL TIMES. PROVIDING TWO LANE ACCESS AT END OF WORKDAY.

UTILITY OWNERS:

- UTILITY OWNERS:**
- ELECTRIC:**
JOE ROBERTSON
DISTRICT ENGINEER
AMEREN UE IL
500 EAST BROADWAY
EAST ST. LOUIS, IL 62202
(618) 482-2238
- TELEPHONE:**
CATHY MILLER
DESIGN ENGINEER
AT&T
203 GOETHE
COLLINSVILLE, IL 62234
(618) 346-7268
- SANITARY SEWERS:**
MIKE WILLIAMS
PUBLIC WORKS DIRECTOR
VILLAGE OF SAUGET
2897 FALLING SPRINGS RD.
SAUGET, IL 62206
(618) 337-4683
- GAS:**
KELLY BAUZA
AMEREN IP (GAS)
1050 WEST BOULEVARD
PO BOX 428
BELLEVILLE, IL 62221
(618) 236-4309
- WATER:**
COMMONFIELDS OF CAHOKIA PUBLIC WATER DISTRICT
DENNIS TRAITTEUR
2525 MOUSETTE
CAHOKIA, IL 62206
(618) 337-3302

J.U.L.I.E.: 1-800-892-0123

SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | TOTAL QUANTITIES |
|----------|---|-------|------------------|
| Z0013798 | CONSTRUCTION LAYOUT | L SUM | 1 |
| 20200100 | EARTH EXCAVATION | CU YD | 51680 |
| 20800150 | TRENCH BACKFILL | CU YD | 311 |
| 20300100 | CHANNEL EXCAVATION | CU YD | 48850 |
| 25000210 | SEEDING, CLASS 2A | ACRE | 3.75 |
| 25000312 | SEEDING, CLASS 4A | ACRE | 14.25 |
| 25000322 | SEEDING, CLASS 5A | ACRE | 14.25 |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 4060 |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 1605 |
| 25000500 | PHOSPHATE FERTILIZER NUTRIENT | POUND | 1605 |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 1605 |
| 25100115 | MULCH, METHOD 2 | ACRE | 18.25 |
| 25100630 | EROSION CONTROL BLANKET | SQ YD | 851 |
| 28000310 | AGGREGATE DITCH CHECKS | EACH | 27 |
| 28000400 | PERIMETER EROSION CONTROL BARRIER | FOOT | 7620 |
| 28100105 | STONE RIPRAP, CLASS A3 | SQ YD | 285 |
| 28100107 | STONE RIPRAP, CLASS A4 | SQ YD | 1566 |
| 28101700 | RIPRAP, SPECIAL | TON | 794 |
| 28200200 | FILTER FABRIC | SQ YD | 1831 |
| 30200650 | PROCESSING MODIFIED SOILS 12" | SQ YD | 63,407 |
| 30201500 | LIME | TON | 1,686.3 |
| 31101900 | SUB-BASE GRANULAR MATERIAL, TYPE C | TON | 1,923.1 |
| 31102800 | SUB-BASE GRANULAR MATERIAL (SPECIAL) | TON | 410.8 |
| 35101400 | AGGREGATE BASE COURSE, TYPE B | TON | 631.5 |
| 35501323 | HOT-MIX ASPHALT BASE COURSE, 9.75" | SQ YD | 35211 |
| 40600100 | BITUMINOUS MATERIALS (PRIME COAT) | GAL | 12324 |
| 40600300 | AGGREGATE (PRIME COAT) | TON | 79.1 |
| 40600895 | CONSTRUCTING TEST STRIP | EACH | 1 |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD | 845 |
| 40603345 | HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90 | TON | 6281.4 |
| 40800050 | INCIDENTAL HOT-MIX ASPHALT SURFACING | TON | 374.5 |
| 44000198 | HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH | SQ YD | 500 |
| 44000100 | PAVEMENT REMOVAL | SQ YD | 3,976 |
| 44000200 | DRIVEWAY PAVEMENT REMOVAL | SQ YD | 456 |
| 44003100 | MEDIAN REMOVAL | SQ FT | 5425 |
| 44300300 | AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A | SQ YD | 7,921 |
| 48101600 | AGGREGATE SHOULDER, TYPE B 8" | SQ YD | 10,237 |
| 48203029 | HOT-MIX ASPHALT SHOULDERS, 8" | SQ YD | 11,426 |
| 50105220 | PIPE CULVERT REMOVAL | FOOT | 216 |
| 50800105 | REINFORCEMENT BARS | POUND | 78176 |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED | POUND | 4750 |
| 51500100 | NAME PLATES | EACH | 1 |
| 51500200 | RELOCATING NAME PLATES | EACH | 1 |
| 54002060 | EXPANSION BOLTS 3/4" INCH X 12" | EACH | 110 |
| 54003000 | CONCRETE BOX CULVERTS | CU YD | 608 |
| 54200439 | PIPE CULVERTS, TYPE 1 RCCP 24" | FOOT | 286 |
| 54200442 | PIPE CULVERTS, TYPE 1 RCCP 27" | FOOT | 131 |
| 54200445 | PIPE CULVERTS, TYPE 1 RCCP 30" | FOOT | 54 |
| 54200463 | PIPE CULVERTS, TYPE 1 RCCP 48" | FOOT | 68 |
| 54206739 | PIPE CULVERTS, TYPE 1 REINFORCED CONCRETE, EQUIVALENT ROUND-SIZE 24" | FOOT | 8 |
| 54213669 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" | EACH | 6 |
| 54213672 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 27" | EACH | 6 |
| 54213675 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30" | EACH | 4 |
| 54213693 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" | EACH | 4 |
| 54214509 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS EQUIVALENT ROUND-SIZE 24" | EACH | 1 |
| 54247130 | GRATING FOR CONCRETE FLARED END SECTION 24" | EACH | 6 |
| 54247140 | GRATING FOR CONCRETE FLARED END SECTION 27" | EACH | 5 |
| 54247150 | GRATING FOR CONCRETE FLARED END SECTION 30" | EACH | 6 |
| 54247190 | GRATING FOR CONCRETE FLARED END SECTION 48" | EACH | 4 |
| 54248130 | GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE 24" | EACH | 6 |
| 60622400 | CONCRETE MEDIAN, TYPE SM-6.06 | SQ FT | 5371 |
| 60616125 | PAVED DITCH A-37 (SPECIAL) | FOOT | 25.0 |
| 63000000 | STEEL PLATE BEAM GUARD RAIL, TYPE A | FOOT | 388 |
| 63000005 | STEEL PLATE BEAM GUARD RAIL, TYPE B | FOOT | 238 |
| 63100045 | TRAFFIC BARRIER TERMINAL, TYPE 2 | EACH | 5 |
| 63100075 | TRAFFIC BARRIER, TYPE 5A | EACH | 4 |
| 63000155 | STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES (SPECIAL) | FOOT | 66 |
| 63200310 | GUARDRAIL REMOVAL | FOOT | 86 |
| 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT) | EACH | 5 |
| 66400105 | CHAINLINK FENCE 4' | FOOT | 429 |
| 66400525 | CHAIN LINK FENCE 4' ATTACHED TO STRUCTURE | FOOT | 101 |
| 66400560 | CHAINLINK FENCE 6' (SPECIAL) | FOOT | 50 |
| 66410300 | CHAIN LINK FENCE REMOVAL | FOOT | 60 |
| 66600105 | FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS | EACH | 6 |
| 66700205 | PERMANENT SURVEY MARKERS, TYPE I | EACH | 2 |
| 67100100 | MOBILIZATION | L SUM | 1 |

000000 * INDICATES SPECIAL PROVISIONS ITEM
X INDICATES SPECIALITY ITEM

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|----------------|-----------|--------------|-----------|
| - | 98-00000-01-FP | ST. CLAIR | 68 | 2 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- 98-089-97 | | | | |
| SUMMARY OF QUANTITIES, GENERAL NOTES | | | | |
| CONTRACT NO. 97312 | | | | |

| ITEM | UNIT | QUANTITY | |
|----------|--|----------|-------|
| 70101800 | TRAFFIC CONTROL AND PROTECTION (SPECIAL) | L SUM | 1 |
| 70102675 | TRAFFIC CONTROL AND PROTECTION STANDARD 701701 SPECIAL | L SUM | 1 |
| 70106800 | CHANGEABLE MESSAGE SIGN | CAL MON | 12 |
| 70300100 | SHORT TERM PAVEMENT MARKINGS | FOOT | 2100 |
| 70300220 | TEMPORARY PAVEMENT MARKINGS - LINE 4" | FOOT | 4600 |
| 70300260 | TEMPORARY PAVEMENT MARKINGS - LINE 12" | FOOT | 200 |
| 70301000 | WORK ZONE PAVEMENT MARKING REMOVAL | SQ FT | 1700 |
| 72000100 | SIGN PANEL - TYPE 1 | SQ FT | 472.3 |
| 72400100 | REMOVE SIGN PANEL ASSEMBLY - TYPE A | EACH | 3 |
| 72400500 | RELOCATE SIGN PANEL ASSEMBLY - TYPE A | EACH | 8 |
| 72800100 | TELESCOPING STEEL SIGN SUPPORT | FOOT | 64 |
| 72900100 | METAL POST - TYPE A | FOOT | 1265 |
| 73100100 | TELESCOPING BASE FOR STEEL SIGN SUPPORT | EACH | 8 |
| 78001100 | PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS | SQ FT | 327 |
| 78001110 | PAINT PAVEMENT MARKING - LINE 4" | FOOT | 45647 |
| 78001150 | PAINT PAVEMENT MARKING - LINE 12" | FOOT | 2593 |
| 78001180 | PAINT PAVEMENT MARKING - LINE 24" | FOOT | 327 |
| 83600100 | LIGHT POLE FOUNDATION | EACH | 2 |
| 84200700 | LIGHTING FOUNDATION REMOVAL | EACH | 2 |
| 84400105 | RELOCATE EXISTING LIGHTING UNIT | EACH | 2 |
| XX000372 | TEMPORARY AGGREGATE | TONS | 315.7 |
| X0325561 | CULVERTS TO BE GROUTED | CU YD | 53 |
| 50900200 | STEEL RAILING, TYPE 2399 | FOOT | 74 |

TRAFFIC CONTROL MARKINGS SCHEDULE

| STATION | PAINT PAVEMENT MARKING - LINE 12" 78001150 (FOOT) | PAINT PAVEMENT MARKING - LINE 24" 78001180 (FOOT) | PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS 78001100 (SQ FT) | PAINT PAVEMENT MARKING - LINE 4" 78001110 (FOOT) | | | |
|----------------------------------|---|---|--|--|-----------------|----------------------------|---------------------------|
| | | | | LINE 4" (YELLOW) | LINE 4" (WHITE) | 4" SKIP DASH LINE (YELLOW) | 4" SKIP DASH LINE (WHITE) |
| SAUGET BUSINESS BOULEVARD | | | | | | | |
| 45+50 | 51+25 | 0 | 0 | 83.2 | 1150 | 1725 | 0 |
| 51+25 | 57+25 | 62 | 0 | 72.8 | 1200 | 1200 | 180 |
| 57+25 | 63+25 | 0 | 0 | 62.4 | 1200 | 1200 | 300 |
| 63+25 | 69+25 | 0 | 0 | 93.6 | 1200 | 1200 | 300 |
| 69+25 | 75+25 | 0 | 0 | 124.8 | 1200 | 1200 | 300 |
| 75+25 | 81+00 | 0 | 0 | 62.4 | 1150 | 1150 | 300 |
| 81+00 | 86+50 | 0 | 0 | 62.4 | 1100 | 1100 | 300 |
| 86+50 | 92+50 | 120 | 0 | 31.2 | 1500 | 1200 | 240 |
| 92+50 | 98+50 | 538 | 70 | 225 | 1730 | 1540 | 80 |
| 98+50 | 104+50 | 0 | 0 | 62.4 | 1200 | 1200 | 300 |
| 104+50 | 107+46 | 65 | 40 | 156 | 825 | 720 | 40 |
| 107+46 | 109+75 | 0 | 36 | 62.4 | 180 | 700 | 0 |
| 109+75 | 115+55 | 560 | 16 | 95.5 | 1080 | 1820 | 0 |
| SUB-TOTAL | | 1345 | 162 | 1194.1 | 14715 | 15955 | 2340 |
| MOUSETTE LANE | | | | | | | |
| 43+81 | 45+75 | 78 | 40 | 75 | 600 | 420 | 0 |
| 45+75 | 49+25 | 150 | 0 | 37.5 | 1300 | 800 | 0 |
| SUB-TOTAL | | 228 | 40 | 112.5 | 1900 | 1220 | 0 |
| SAUGET INDUSTRIAL PARKWAY | | | | | | | |
| 156+88 | 160+25 | 0 | 0 | 0 | 700 | 560 | 0 |
| 160+25 | 163+21 | 490 | 45 | 78 | 500 | 700 | 0 |
| SUB-TOTAL | | 490 | 45 | 78 | 1200 | 1260 | 0 |
| GOOSE LAKE ROAD | | | | | | | |
| 36+48 | 42+15 | 300 | 0 | 37.5 | 3023 | 1529 | 0 |
| 42+15 | 43+81 | 230 | 80 | 75 | 610 | 600 | 0 |
| SUB-TOTAL | | 530 | 80 | 112.5 | 3633 | 2129 | 0 |
| | | | | SUB-TOTAL | | | |
| | | | | 21448 | 20564 | 2340 | 1295 |
| | | | | TOTAL | | | |
| TOTAL | | | | 2593 | 327 | 1497.1 | 45647 |

SUMMARY OF QUANTITIES, GENERAL NOTES

| | | | | |
|--|----------|-----------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| - | 06-00009 | ST. CLAIR | 69 | 4 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- | | | | |
| SCHEDULE OF QUANTITIES | | | | |
| CONTRACT NO. 97312 | | | | |

| FENCE GUARDRAIL SCHEDULE | | | | | | | | | | | | | |
|---------------------------|-------|--|--|------------------------------------|---|---|--|--|---|---|---|--|--|
| STA | RT/LT | CHAIN LINK FENCE REMOVAL 66410300 (FOOT) | CHAINLINK FENCE 6' (SPECIAL) 66400560 (FOOT) | CHAINLINK FENCE 4' 66400105 (FOOT) | CHAIN LINK FENCE 4' ATTACHED TO STRUCTURE 66400525 (FOOT) | STEEL PLATE BEAM GUARD RAIL, TYPE B 63000005 (FOOT) | TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT) 63100167 (EACH) | TRAFFIC BARRIER TERMINAL, TYPE 2 63100045 (EACH) | STEEL PLATE BEAM GUARD RAIL, TYPE B 63000005 (FOOT) | STEEL PLATE BEAM GUARD RAIL, TYPE A 63000000 (FOOT) | STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES (SPECIAL) 63000155 (FOOT) | STEEL RAILING, TYPE 2399 X0325701 (FOOT) | TRAFFIC BARRIER, TYPE 5A 63100075 (EACH) |
| SAUGET BUSINESS BOULEVARD | | | | | | | | | | | | | |
| 79+40 | RT | | | 117 | 33 | | 1 | | 63 | | | | |
| 79+40 | LT | | | 127 | 33 | | | 1 | | 25 | | | |
| 80+00 | RT | | | | | | | | 25 | | | | |
| 80+29 | LT | | | | | | | 1 | | 63 | | 37 | 2 |
| 80+29 | RT | | | | | | 1 | | | | | 37 | 2 |
| 98+50 | RT | 60 | 50 | | | | | | | | | | |
| 101+95 | RT | | | | | | 1 | | | | | | |
| 102+52 | LT | | | | | | | 1 | | | | | |
| 102+20 | RT | | | | | | | | 100 | 25 | | | |
| 103+00 | LT | | | | | | 1 | | 125 | 25 | | | |
| 103+45 | RT | | | | | 43 | | 1 | | 50 | | | |
| 104+13 | RT | | | | | 43 | | | | 50 | | | |
| 103+82 | RT | | | | | | | | | | | | |
| 104+45 | RT | | | | | | | | | | | | |
| 103+12 | RT | | | 45 | 35 | | | | | | | | |
| 103+12 | LT | | | 80 | | | | | | | | | |
| MOUSETTE LANE (EAST) | | | | | | | | | | | | | |
| 46+75 | LT | | | 60 | | | 1 | 1 | 50 | 75 | 16 | | |
| TOTAL | | 60 | 50 | 429 | 101 | 86 | 5 | 5 | 236 | 366 | 66 | 74 | 4 |

| EROSION SCHEDULE | | | | |
|---------------------------|----------|--|--|---|
| STATION | STATION | EROSION CONTROL BLANKET 25100630 (SQ YD) | AGGREGATE DITCH CHECKS 28000310 (EACH) | PERIMETER EROSION CONTROL BARRIER 28000400 (FOOT) |
| SAUGET BUSINESS BLVD. | | | | |
| 46+50 | 80+00 | 0 | | 10 |
| 46+82 | | 64 | | 0 |
| 53+55 | | 64 | | |
| 58+00 | | 64 | | |
| 83+00 | | 64 | | 2765 |
| 80+00 | 95+00 | 64 | 6 | |
| 95+00 | 103+00 | 0 | 3 | 560 |
| 103+00 | 107+50 | 128 | 2 | 1255 |
| 107+50 | 109+00 | 64 | 2 | 1585 |
| SAUGET INDUSTRIAL PARKWAY | | | | |
| 156+88 | 162+00.5 | 64 | 2 | 925 |
| MOUSETTE LANE (EAST) | | | | |
| 44+00 | 49+25 | 64 | 1 | |
| GOOSE LAKE ROAD | | | | |
| 43+00 | 44+00 | 0 | 1 | 530 |
| 43+10 | | 211 | | |
| TOTAL | | 851 | 27 | 7620 |

| PIPE CULVERT REMOVAL SCHEDULE | | | |
|-------------------------------|-----------------|--------------------------------------|--|
| STATION | | PIPE CULVERT REMOVAL 50105220 (FOOT) | CULVERTS TO BE GROUTED X0325561" (CU YD) |
| SAUGET BUSINESS BLVD. | | | |
| 78+81 | RT 20" STL | 36 | |
| 99+50 | LT 24" RCP | 70 | |
| INDUSTRIAL PARKWAY | | | |
| 159+52 | RCP 24" | | 54 |
| MOUSETTE LANE (EAST) | | | |
| 46+92 | RT LT 4 42" FES | 32 | 53 |
| GOOSE LAKE ROAD | | | |
| 43+11 | RT LT 2 FES 48" | | 16 |
| RAMP 3 | | | |
| 30+40 | RT FES | 8 | |

T:\clients\BUSEY\131317-1.phd\dwg\02-06 Summary of Quantities.dwg, 03 Fence culvert removal, 4/12/2008 8:57:33 PM, Jpg, 1/1/2008 8:57:33 PM, 1:1, PHHW07.PHW03

TRAFFIC CONTROL DEVICES SCHEDULE

| STATION | OFFSET | SPEED LIMIT SIGN (R2-1) | STOP SIGN (R1-1) | ADDED LANE SIGN (W4-3) | RIGHT LANE MUST TURN RIGHT SIGN (R3-7R) | CHEVRON WARNING SIGN (W1-8) | LEFT LANE MUST TURN LEFT SIGN (R3-7L) | "T" INTERSECTION SYMBOL SIGN (W2-4) | YIELD SIGN (R1-2) | INTERSECTION WARNING SIGN (W2-2L) | TWO DIRECTION LARGE ARROW SIGN (W1-7) | RIGHT TURN SIGN (W1-1R) | TWO WAY TURN LANE (R3-9b) | STOP ALL WAY (R1-4) | CROSS TRAFFIC DOES NOT STOP (W4-4P) | SIGN IN PAVEMENT WITH TELESCOPING BASE | REVERSE CURVE (W1-4) | CURVE SIGN (W1-2) |
|---|--------|-------------------------|------------------|------------------------|---|-----------------------------|---------------------------------------|-------------------------------------|-------------------|-----------------------------------|---------------------------------------|-------------------------|---------------------------|---------------------|-------------------------------------|--|----------------------|-------------------|
| | SQ FT | 5 | 5 | 6 | 6 | 3 | 6 | 4 | 3 | 4 | 8 | 4 | 6 | 0.75 | 3 | REQ'D | 8 | 8 |
| SAUGET BUSINESS BOULEVARD | | | | | | | | | | | | | | | | | | |
| 45+50 | LT | | | | | | | | | | | | | | | | | |
| 46+50 | RT | 1 | | | | | | | | | | | | | | | | |
| 48+00 | RT | | | | | | | | | | | | | | | | | |
| 48+35 | RT | | | | | 1 | | | | | | | | | | | | |
| 49+00 | RT | | | | | 1 | | | | | | | | | | | | |
| 49+65 | RT | | | | | 1 | | | | | | | | | | | | |
| 50+30 | RT | | | | | 1 | | | | | | | | | | | | |
| 50+95 | RT | | | | | 1 | | | | | | | | | | | | |
| 51+60 | RT | | | | | 1 | | | | | | | | | | | | |
| 52+25 | RT | | | | | 1 | | | | | | | | | | | | |
| 53+25 | LT | | | | | | | | | 1 | | | | | | | | |
| 53+85 | RT | | | | | | | | | | | 1 | | | | | | |
| 54+55 | LT | | | | | | | | | | | | | | | | | |
| 55+20 | LT | | | | | | | | | | | | | | | | | |
| 55+85 | LT | | | | | | | | | | | | | | | | | |
| 56+50 | LT | | | | | | | | | | | | | | | | | |
| 57+15 | LT | | | | | | | | | | | | | | | | | |
| 57+80 | RT | | | | | | | | | | | 1 | | | | | | |
| 57+75 | LT | | | | | | | | | | | | | | | | | |
| 58+25 | LT | | | | | | | | | | | | | | | | | |
| 58+50 | LT | | | | | | | | | | | | | | | | | |
| 58+00 | LT/RT | 2 | | | | | | | | | | | | | | | | |
| 60+50 | LT/RT | | | | | | | | | | | 2 | | | | | | |
| 64+00 | LT/RT | | | | | | | | | | | 2 | | | | | | |
| 67+25 | LT/RT | | | | | | | | | | | 2 | | | | | | |
| 70+40 | LT/RT | | | | | | | | | | | 2 | | | | | | |
| 72+00 | LT/RT | 2 | | | | | | | | | | 2 | | | | | | |
| 73+00 | LT/RT | | | | | | | | | | | 2 | | | | | | |
| 75+25 | LT/RT | | | | | | | | | | | 2 | | | | | | |
| 79+00 | LT | | | | | | | | | | | 1 | | | | | | |
| 79+00 | RT | | | | | | | | | | | | | | | | | 1 |
| 81+10 | RT | | | | | | | | | | | | | | | | | |
| 81+75 | RT | | | | | | | | | | | | | | | | | |
| 82+50 | RT | | | | | | | | | | | | | | | | | |
| 83+25 | RT | | | | | | | | | | | | | | | | | |
| 84+00 | RT | | | | | | | | | | | | | | | | | |
| 88+00 | LT | | | | | | | | | | | | | | | | | 1 |
| 90+50 | LT | | | | | | | | | | | | | | | | | |
| 91+12 | RT | | | | | | | | | | | | | | | | | |
| 93+00 | LT | 1 | | | | | | | | | | | | | | | | |
| 94+92 | CL | | 1 | | | | | | | | | | | | | | | |
| 94+92 | RT | | | | | | | | | | | | | | | | | |
| 95+33 | RT | | | | | | | | | | | | | | | | | |
| 96+03 | LT | | | | | | | | | | | | | | | | | |
| 97+07 | LT | | | | | | | | | | | | | | | | | |
| 97+07 | RT | | | | | | | | | | | | | | | | | |
| 98+00 | RT | 1 | | | | | | | | | | | | | | | | |
| 98+10 | LT | | | | | | | | | | | | | | | | | |
| 100+05 | LT | | | | | | | | | | | | | | | | | |
| 103+00 | LT | 1 | | | | | | | | | | | | | | | | |
| 105+50 | LT | 1 | | | | | | | | | | | | | | | | |
| 105+85 | LT | | | | | | | | | | | | | | | | | |
| 106+81 | RT | | | | | | | | | | | | | | | | | |
| 106+84 | CL | | | | | | | | | | | | | | | | | |
| 107+91 | LT | | | | | | | | | | | | | | | | | |
| 108+05 | RT | | | | | | | | | | | | | | | | | |
| 109+00 | RT | 1 | | | | | | | | | | | | | | | | |
| 111+00 | LT | 1 | | | | | | | | | | | | | | | | |
| 111+66 | RT | | | | | | | | | | | | | | | | | |
| 112+75 | RT | | | | | | | | | | | | | | | | | |
| 113+18 | LT | | | | | | | | | | | | | | | | | |
| 113+99 | LT | | | | | | | | | | | | | | | | | |
| 113+58 | RT | | | | | | | | | | | | | | | | | |
| 114+12 | LT | | | | | | | | | | | | | | | | | |
| SUB-TOTAL | | 11 | 8 | 1 | 4 | 18 | 0 | 0 | 2 | 3 | 1 | 0 | 19 | 7 | 1 | 8 | 2 | 2 |
| SAUGET INDUSTRIAL PARKWAY | | | | | | | | | | | | | | | | | | |
| 162+54 | RT | | 1 | | | | | | | | | | | | | | | |
| 162+42 | LT | | | | | | | | | | | | | | | | | |
| 162+09 | RT | | | | | | | | | | | | | | | | | |
| 161+50 | LT | 1 | | | | | | | | | | | | | | | | |
| 160+88 | LT | | | | | | | | | | | | | | | | | |
| 160+79 | RT | | | | | | | | | | | | | | | | | |
| 159+93 | LT | | | | | | | | | | | | | | | | | |
| 159+04 | RT | | | | | | | | | | | | | | | | | |
| 159+02 | LT | | | | | | | | | | | | | | | | | |
| 158+11 | LT | | | | | | | | | | | | | | | | | |
| 157+50 | RT | | | | | | | | | | | | | | | | | |
| 157+00 | RT | 1 | | | | | | | | | | | | | | | | |
| SUB-TOTAL | | 2 | 1 | 0 | 2 | 4 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| MOUSETTE LANE | | | | | | | | | | | | | | | | | | |
| 44+36 | CL | | 1 | | | | | | | | | | | | | | | |
| 44+54 | LT | | | | | | | | | | | | | | | | | |
| 44+81 | RT | | | | | | | | | | | | | | | | | |
| 47+97 | RT | 1 | | | | | | | | | | | | | | | | |
| SUB-TOTAL | | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 |
| GOOSE LAKE ROAD | | | | | | | | | | | | | | | | | | |
| 3650 | RT | 1 | | | | | | | | | | | | | | | | |
| 37+00 | LT | 1 | | | | | | | | | | | | | | | | |
| 40+50 | RT | | | | | | | | | | | | | | | | | |
| 41+00 | LT | 1 | | | | | | | | | | | | | | | | |
| 42+00 | RT | | | | | | | | | | | | | | | | | |
| 43+03 | RT | | | | | | | | | | | | | | | | | |
| 43+19 | CL | | | | | | | | | | | | | | | | | |
| SUB-TOTAL | | 3 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 |
| TOTAL | | 17 | 13 | 1 | 8 | 22 | 0 | 1 | 4 | 3 | 1 | 0 | 19 | 11 | 1 | 8 NO BASE | 2 | 3 |
| TOTAL (SQ FT) | | 85 | 65 | 6.25 | 50 | 66 | 0 | 4 | 10.8 | 12 | 8 | 0 | 114 | 8.25 | 3 | | 16 | 24 |
| TOTAL | | 472.3 | | | | | | | | | | | | | | | | |
| SIGN PANEL - TYPE 1 72000100 (SQ FT) | | | | | | | | | | | | | | | | | | |
| METAL POST - TYPE A 72500100 (FOOT) | | | | | | | | | | | | | | | | | | |
| TELESCOPING STEEL SIGN SUPPORT 72600100 (FOOT) | | | | | | | | | | | | | | | | | | |
| TELESCOPING BASE FOR STEEL SIGN SUPPORT 73100100 (EACH) | | | | | | | | | | | | | | | | | | |
| POST = SIGN HUND +1 DOUBLE POST | | | | | | | | | | | | | | | | | | |
| 11' TOTAL POST LENGTH | | | | | | | | | | | | | | | | | | |
| NO BASE SIGNS ARE SIGNS MOUNTED IN PWT REQUIRING | | | | | | | | | | | | | | | | | | |

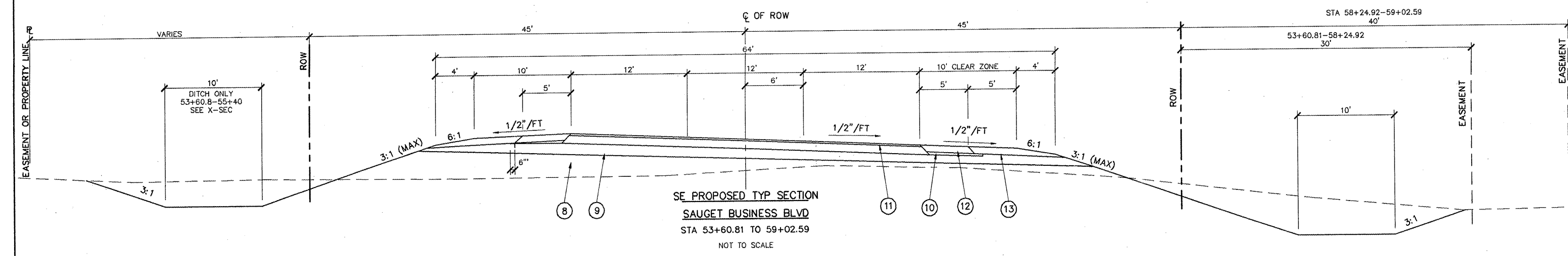
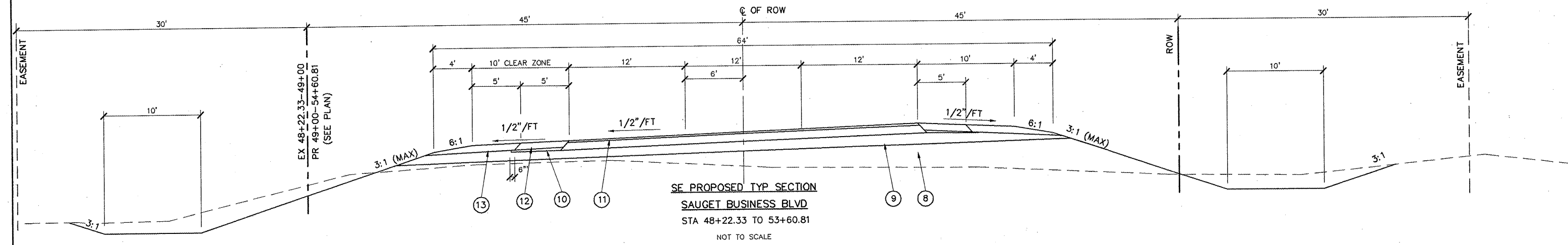
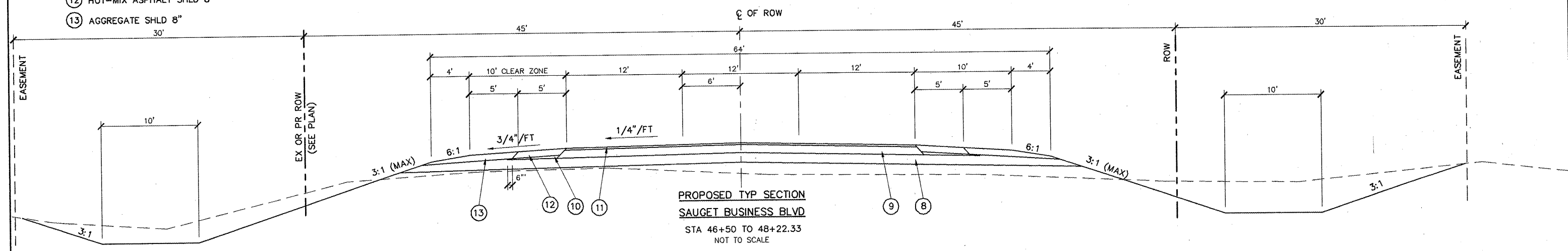
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|---|----------------|-----------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| - | 99-00009-01-FP | ST. CLAIR | 68 | 5 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT | | | | |
| SCHEDULE OF QUANTITIES | | | | |
| CONTRACT NO. 97312 | | | | |

| STATION | STATION | SEEDING, CLASS 2A 25000210 (ACRE) | SEEDING, CLASS 4A 25000312 (ACRE) | NITROGEN FERTILIZER 25000400 (POUND) | PHOSPHATE FERTILIZER 25000500 (POUND) | POTASSIUM FERTILIZER 25000600 (POUND) | MULCH, METHOD 2 25100115 (ACRE) | SEEDING, CLASS 5A 25000322 (ACRE) |
|----------------------------------|---------|-----------------------------------|-----------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------|-----------------------------------|
| SAUGET BUSINESS BLVD. | | | | | | | | |
| 46+50 | 79+50 | 0.00 | 5.96 | 536 | 536 | 536 | 5.96 | 5.96 |
| 80+00 | 107+46 | 2.91 | 6.89 | 882 | 882 | 882 | 9.80 | 6.89 |
| 107+46 | 114+31 | 0.00 | 0.60 | 54 | 54 | 54 | 0.60 | 0.60 |
| 114+40 | 115+55 | 0.10 | 0.00 | 9 | 9 | 9 | 0.10 | |
| SAUGET INDUSTRIAL PARKWAY | | | | | | | | |
| 156+88 | 162+50 | 0.00 | 0.30 | 27 | 27 | 27 | 0.30 | 0.30 |
| MOUSETTE LANE (EAST) | | | | | | | | |
| 45+00 | 49+25 | 0.00 | 0.25 | 23 | 23 | 23 | 0.25 | 0.25 |
| GOOSE LAKE ROAD | | | | | | | | |
| 36+48.5 | 43+00 | 0.82 | 0.37 | 74 | 74 | 74 | 1.19 | 0.37 |
| TOTAL | | 3.75 | 14.25 | 1604.7 | 1604.7 | 1604.7 | 18.25 | 14.25 |

SCHEDULE OF QUANTITIES

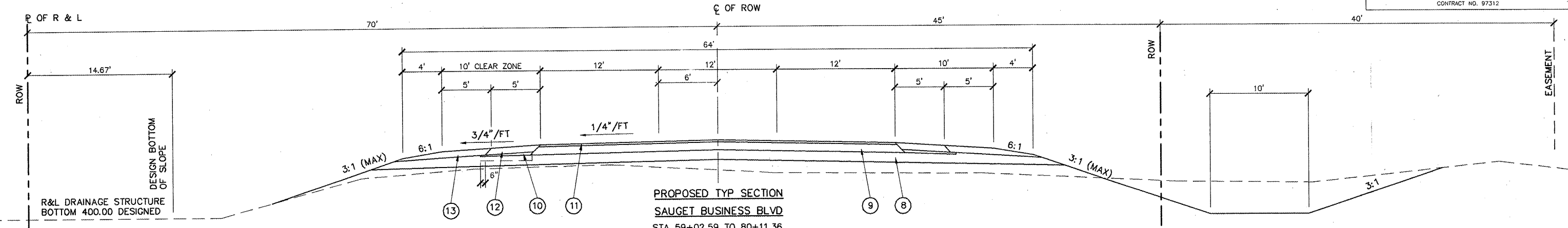
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|-----------------------|----------------------------|-----------|------------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| - | 99-00009-01-PP | ST. CLAIR | 89 | 6 |
| FED. ROAD DIST. NO. 8 | ILLINOIS FED. AID PROJECT- | | TYPICAL SECTIONS | |
| CONTRACT NO. 97312 | | | | |

- 8 LIME MODIFIED SOILS 12"
- 9 HOT-MIX ASPHALT BASE COURSE 9.75"
- 10 AGGREGATE SUBBASE TYPE C
- 11 HOT-MIX ASPHALT CONC SURFACE COURSE 2.25"
- 12 HOT-MIX ASPHALT SHLD 8"
- 13 AGGREGATE SHLD 8"

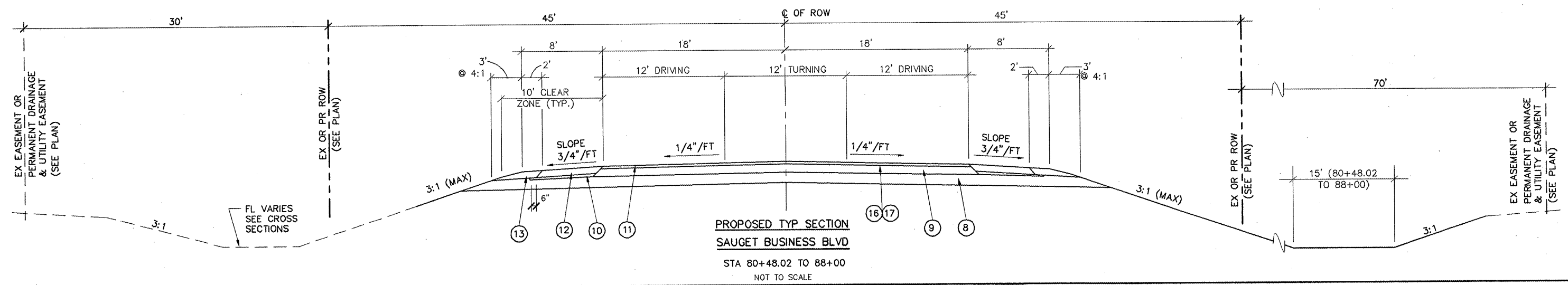
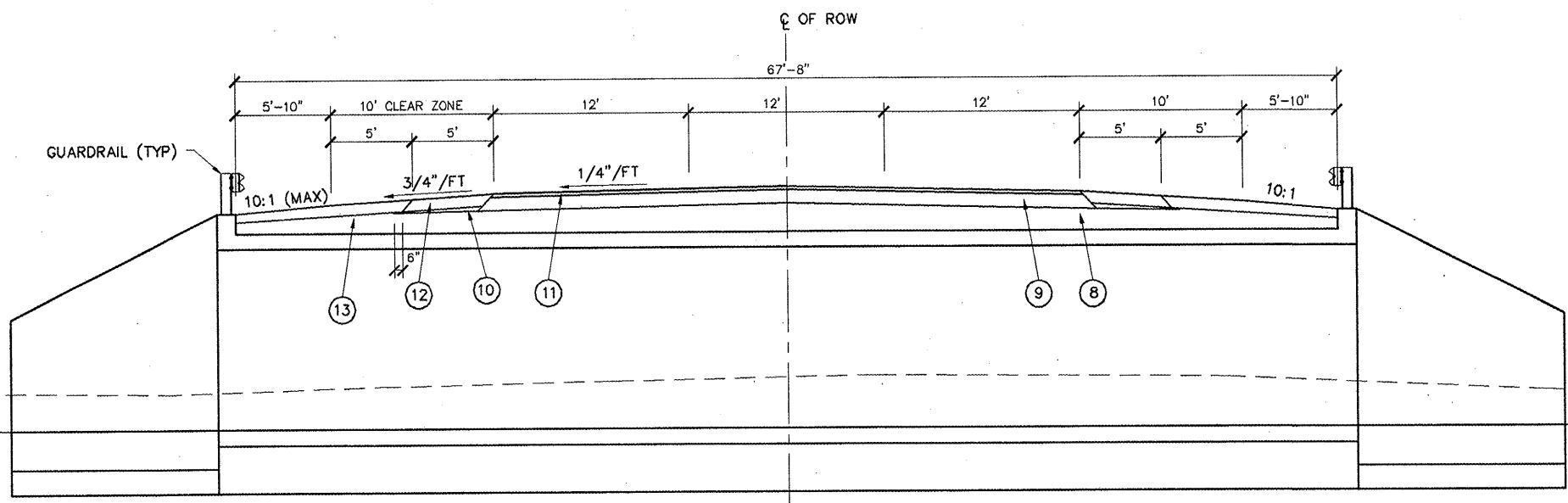


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|-----------------------|----------------|----------------------------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| - | 99-00009-01-PP | ST. CLAIR | 69 | 7 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS FED. AID PROJECT- | | |
| TYPICAL SECTIONS | | | | |
| CONTRACT NO. 97312 | | | | |

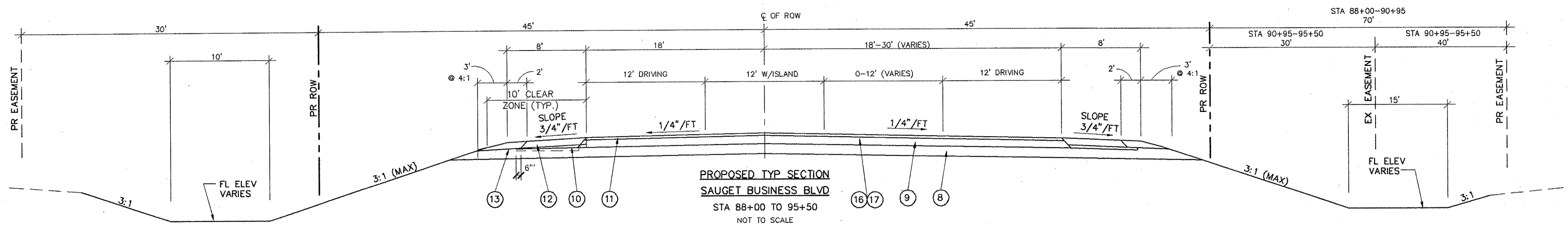


- ⑧ LIME MODIFIED SOILS 12"
- ⑨ HOT-MIX ASPHALT BASE COURSE 9.75"
- ⑩ AGGREGATE SUBBASE TYPE C
- ⑪ HOT-MIX ASPHALT CONC SURFACE COURSE 2.25"
- ⑫ HOT-MIX ASPHALT SHLD 8"
- ⑬ AGGREGATE SHLD 8"
- ⑭ AGGREGATE FILL
- ⑮ HOT-MIX ASPHALT LEVELING BINDER
- ⑯ HOT-MIX ASPHALT MATERIAL (PRIME COAT)
- ⑰ AGGREGATE (PRIME COAT)
- ⑱ REFLECTIVE CRACK CONTROL

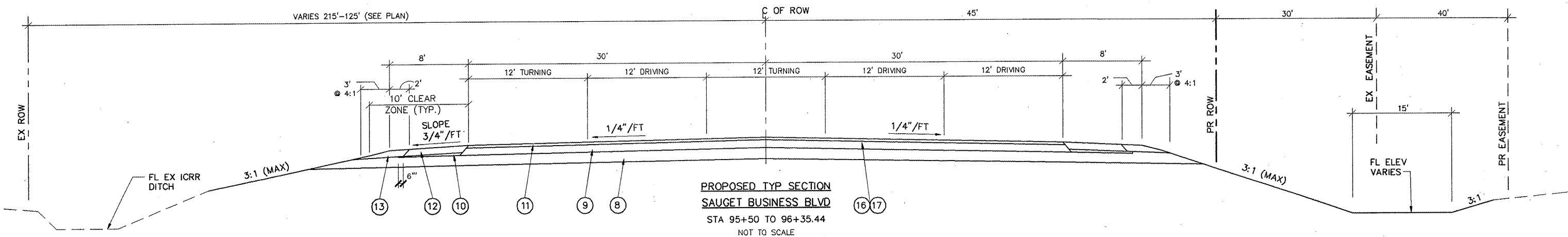


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| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|--------------------|-----------|--------------|-----------|
| - | 99-00009 -01-PP | ST. CLAIR | 99 | 8 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- | | | | |
| TYPICAL SECTIONS | | | | |
| CONTRACT NO. 97312 | | | | |



PROPOSED TYP SECTION
SAUGET BUSINESS BLVD
STA 88+00 TO 95+50
NOT TO SCALE

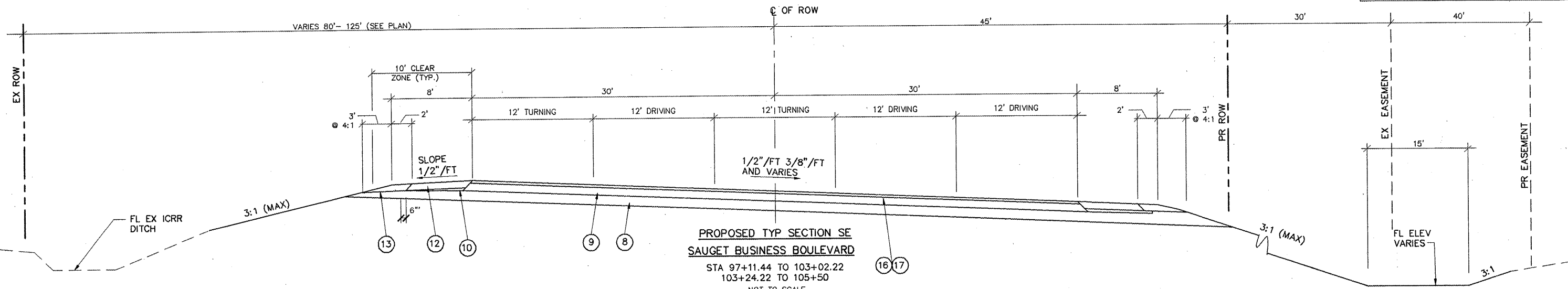


PROPOSED TYP SECTION
SAUGET BUSINESS BLVD
STA 95+50 TO 96+35.44
NOT TO SCALE

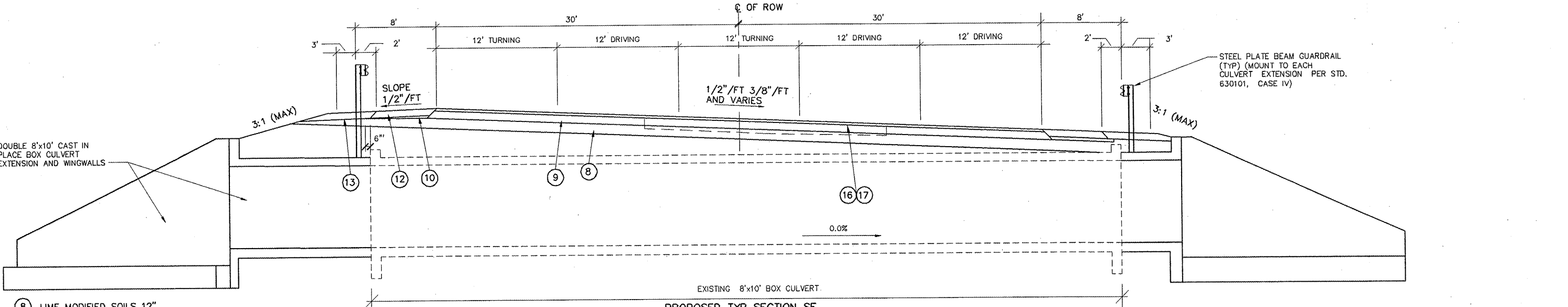
- ⑧ LIME MODIFIED SOILS 12"
- ⑨ HOT-MIX ASPHALT BASE COURSE 9.75"
- ⑩ AGGREGATE SUBBASE TYPE C
- ⑪ HOT-MIX ASPHALT CONC SURFACE COURSE 2.25"
- ⑫ HOT-MIX ASPHALT SHLD 8"
- ⑬ AGGREGATE SHLD 8"
- ⑭ AGGREGATE FILL
- ⑮ HOT-MIX ASPHALT LEVELING BINDER
- ⑯ HOT-MIX ASPHALT MATERIAL (PRIME COAT)
- ⑰ AGGREGATE (PRIME COAT)
- ⑱ REFLECTIVE CRACK CONTROL

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| | | | | |
|--|---------|-----------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 99-00009 | 01-FP | ST. CLAIR | 88 | 9 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- | | | | |
| TYPICAL SECTIONS | | | | |
| CONTRACT NO. 97312 | | | | |

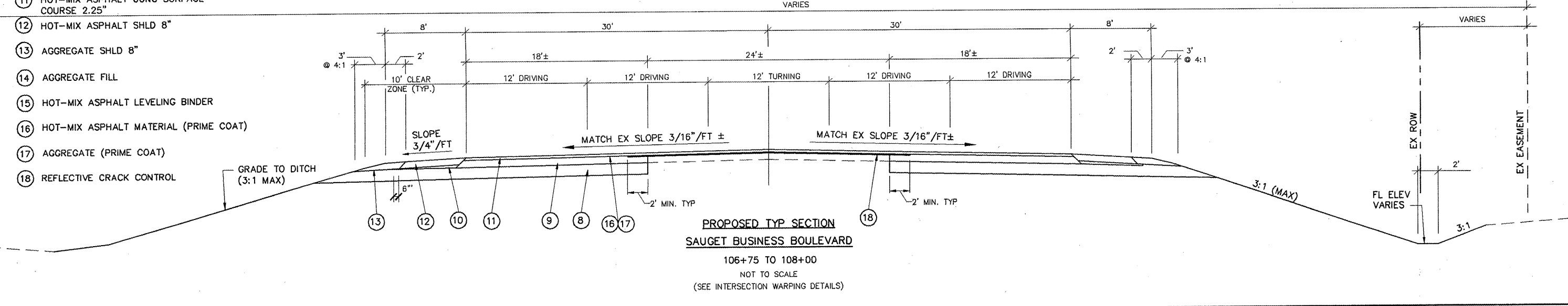


**PROPOSED TYP SECTION SE
SAUGET BUSINESS BOULEVARD**
STA 97+11.44 TO 103+02.22
103+24.22 TO 105+50
NOT TO SCALE



**PROPOSED TYP SECTION SE
SAUGET BUSINESS BOULEVARD**
STA 103+02.22 TO 103+24.22
NOT TO SCALE

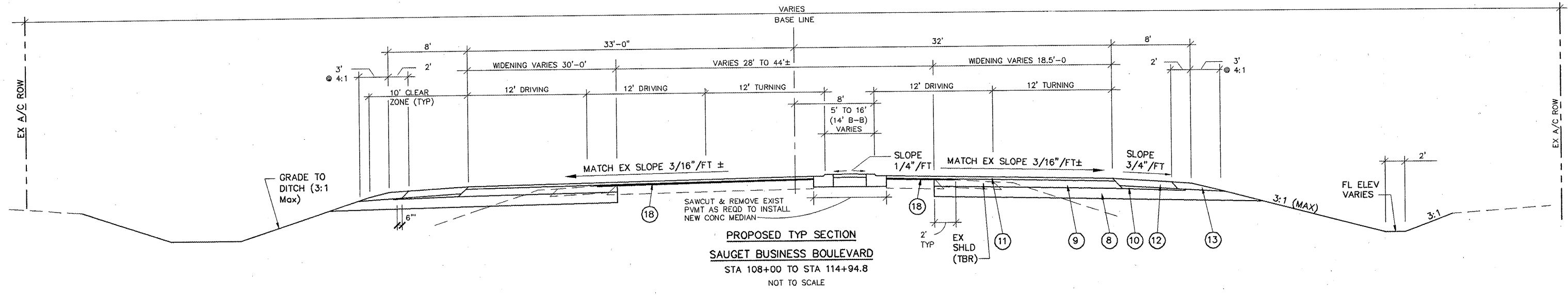
- ⑧ LIME MODIFIED SOILS 12"
- ⑨ HOT-MIX ASPHALT BASE COURSE 9.75"
- ⑩ AGGREGATE SUBBASE TYPE C
- ⑪ HOT-MIX ASPHALT CONC SURFACE COURSE 2.25"
- ⑫ HOT-MIX ASPHALT SHLD 8"
- ⑬ AGGREGATE SHLD 8"
- ⑭ AGGREGATE FILL
- ⑮ HOT-MIX ASPHALT LEVELING BINDER
- ⑯ HOT-MIX ASPHALT MATERIAL (PRIME COAT)
- ⑰ AGGREGATE (PRIME COAT)
- ⑱ REFLECTIVE CRACK CONTROL



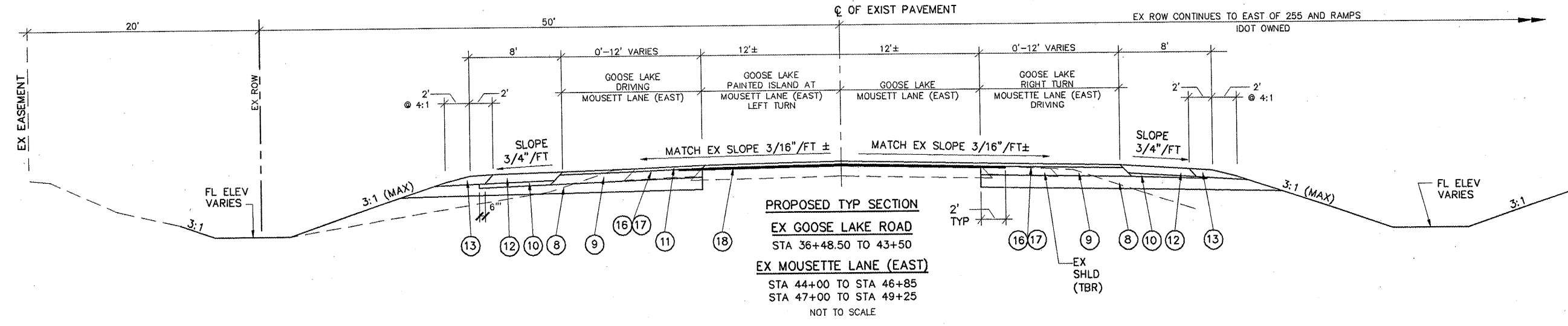
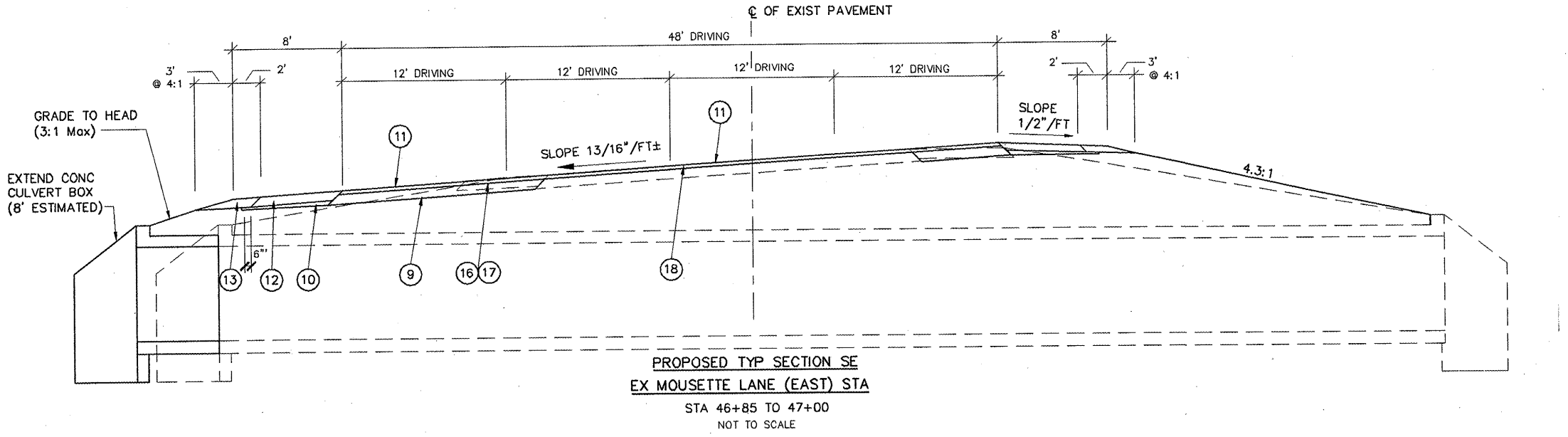
**PROPOSED TYP SECTION
SAUGET BUSINESS BOULEVARD**
106+75 TO 108+00
NOT TO SCALE
(SEE INTERSECTION WARPING DETAILS)

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| | | | | |
|-----------------------|---------|------------------|-------------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 99-00009 | 01-FP | ST. CLAIR | 66 | 10 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT- | |
| | | TYPICAL SECTIONS | | 7 |
| CONTRACT NO. 97312 | | | | |

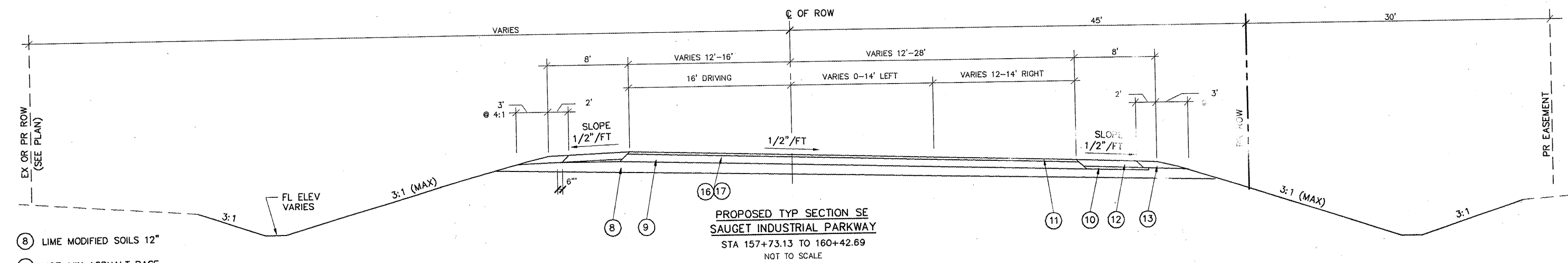
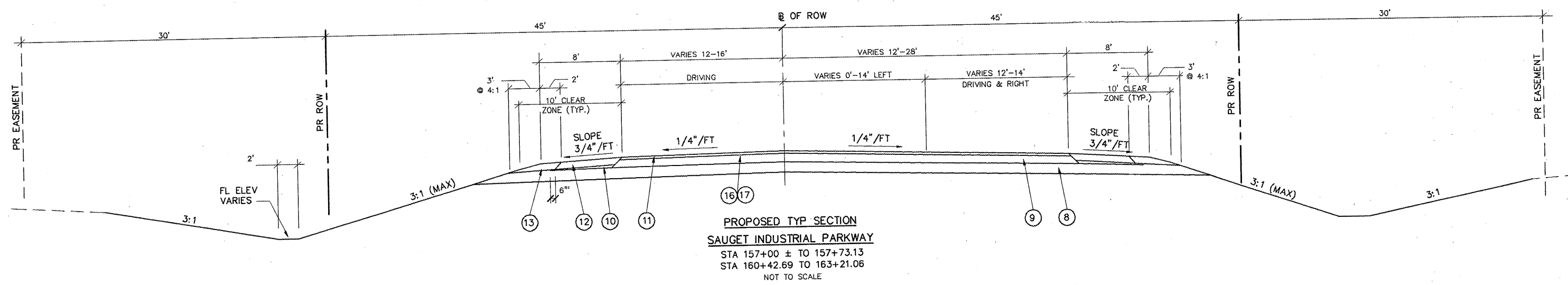


- ⑧ LIME MODIFIED SOILS 12"
- ⑨ HOT-MIX ASPHALT BASE COURSE 9.75"
- ⑩ AGGREGATE SUBBASE TYPE C
- ⑪ HOT-MIX ASPHALT CONC SURFACE COURSE 2.25"
- ⑫ HOT-MIX ASPHALT SHLD 8"
- ⑬ AGGREGATE SHLD 8"
- ⑭ AGGREGATE FILL
- ⑮ HOT-MIX ASPHALT LEVELING BINDER
- ⑯ HOT-MIX ASPHALT MATERIAL (PRIME COAT)
- ⑰ AGGREGATE (PRIME COAT)
- ⑱ REFLECTIVE CRACK CONTROL

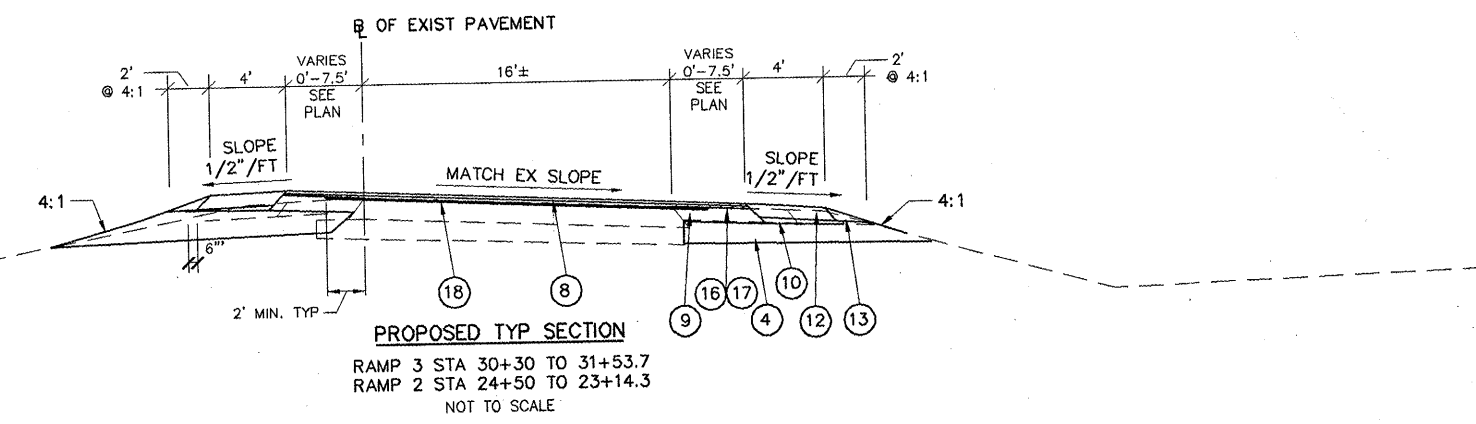


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| | | | | |
|--|---------|-----------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 99-00000 | 01-FP | ST. CLAIR | 69 | 11 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- | | | | |
| TYPICAL SECTIONS | | | | |
| CONTRACT NO. 97312 | | | | |

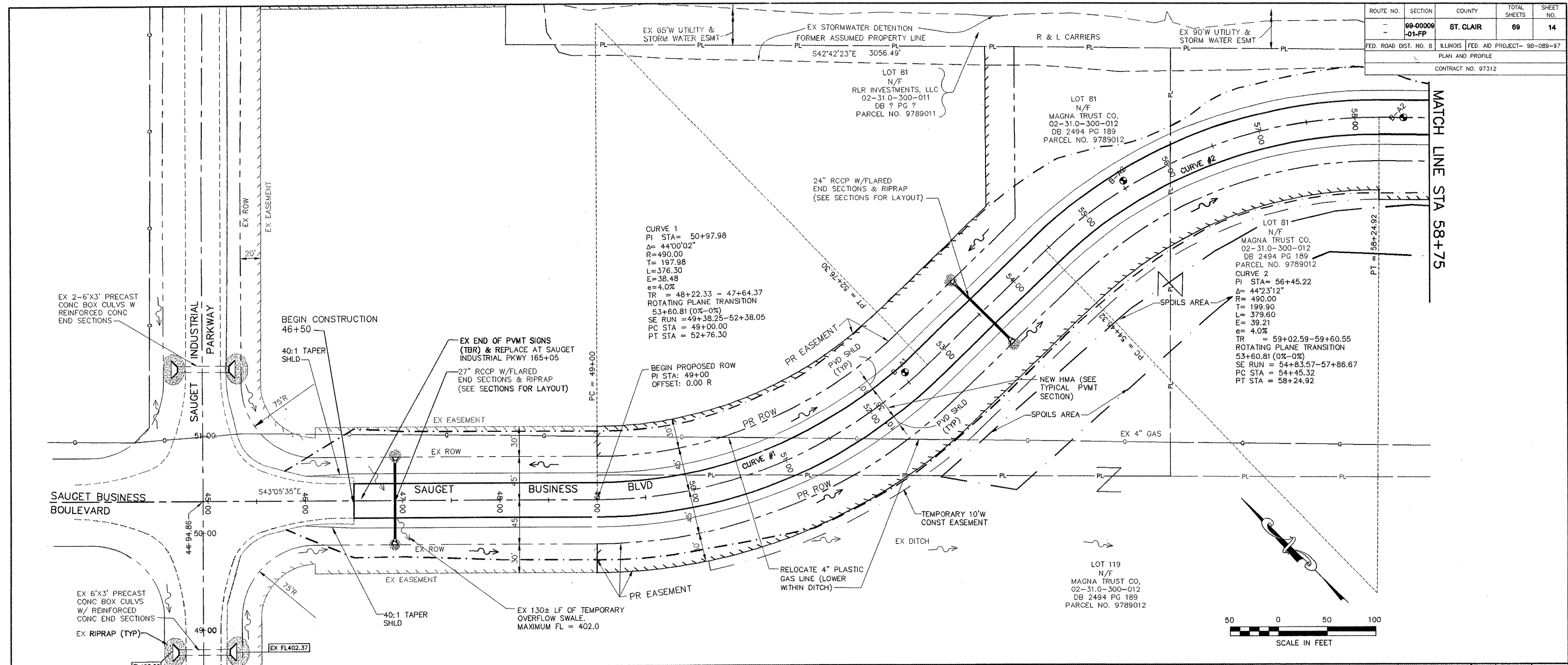


- ⑧ LIME MODIFIED SOILS 12"
- ⑨ HOT-MIX ASPHALT BASE COURSE 9.75"
- ⑩ AGGREGATE SUBBASE TYPE C
- ⑪ HOT-MIX ASPHALT CONC SURFACE COURSE 2.25"
- ⑫ HOT-MIX ASPHALT SHLD 8"
- ⑬ AGGREGATE SHLD 8"
- ⑭ AGGREGATE FILL
- ⑮ HOT-MIX ASPHALT LEVELING BINDER
- ⑯ HOT-MIX ASPHALT MATERIAL (PRIME COAT)
- ⑰ AGGREGATE (PRIME COAT)
- ⑱ REFLECTIVE CRACK CONTROL

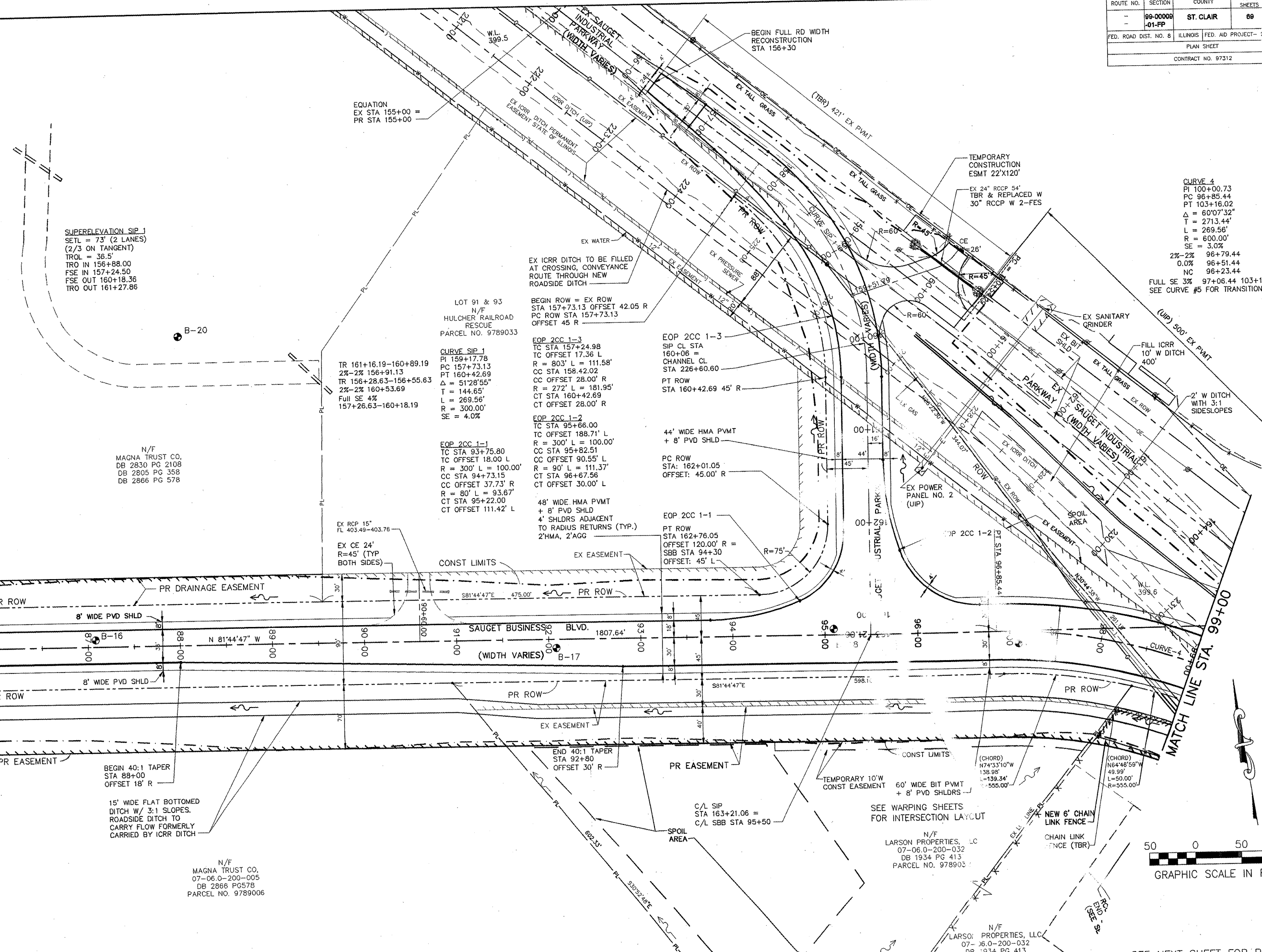


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| | | | | |
|--|---------|-----------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 98-00000-01-FP | | ST. CLAIR | 69 | 14 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- 98-089-97 | | | | |
| PLAN AND PROFILE | | | | |
| CONTRACT NO. 97312 | | | | |



| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|---------|-----------|--------------------|-----------|
| 99-00008-01-FP | | ST. CLAIR | 69 | 17 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT - | |
| PLAN SHEET | | | | |
| CONTRACT NO. 97312 | | | | |



SUPERELEVATION SIP 1
 SETL = 73' (2 LANES)
 (2/3 ON TANGENT)
 TROL = 36.5'
 TRO IN 156+88.00
 FSE IN 157+24.50
 FSE OUT 160+18.36
 TRO OUT 161+27.86

CURVE 4
 PI 100+00.73
 PC 96+85.44
 PT 103+16.02
 $\Delta = 60^{\circ}07'32''$
 $T = 2713.44'$
 $L = 269.56'$
 $R = 600.00'$
 $SE = 3.0\%$
 2%-2% 96+79.44
 0.0% 96+51.44
 NC 96+23.44
 FULL SE 3% 97+06.44 103+16.02
 SEE CURVE #5 FOR TRANSITION

EQUATION
 EX STA 155+00 =
 PR STA 155+00

LOT 91 & 93
 N/F
 HULCHER RAILROAD
 RESCUE
 PARCEL NO. 9789033

CURVE SIP 1
 PI 159+17.78
 PC 157+73.13
 PT 160+42.69
 $\Delta = 51^{\circ}28'55''$
 $T = 144.65'$
 $L = 269.56'$
 $R = 300.00'$
 $SE = 4.0\%$

N/F
 MAGNA TRUST CO.
 DB 2830 PG 2108
 DB 2805 PG 358
 DB 2866 PG 578

EOP 2CC 1-1
 TC STA 93+75.80
 TC OFFSET 18.00 L
 $R = 300'$ L = 100.00'
 CC STA 94+73.15
 CC OFFSET 37.73' R
 $R = 80'$ L = 93.87'
 CT STA 95+22.00
 CT OFFSET 111.42' L

48" WIDE HMA PVMT
 + 8" PVD SHLD
 4" SHLDRS ADJACENT
 TO RADIUS RETURNS (TYP.)
 2'HMA, 2'AGG

EOP 2CC 1-1
 PT ROW
 STA 162+76.05
 OFFSET 120.00' R =
 SBB STA 94+30
 OFFSET: 45' L

44" WIDE HMA PVMT
 + 8" PVD SHLD
 PC ROW
 STA: 162+01.05
 OFFSET: 45.00' R

EOP 2CC 1-3
 TC STA 157+24.98
 TC OFFSET 17.36 L
 $R = 803'$ L = 111.58'
 CC STA 158.42.02
 CC OFFSET 28.00' R
 $R = 272'$ L = 181.95'
 CT STA 160+42.69
 CT OFFSET 28.00' R

EOP 2CC 1-3
 SIP CL STA
 160+06 =
 CHANNEL CL
 STA 226+60.60
 PT ROW
 STA 160+42.69 45' R

MATCH LINE
 EQUATION
 STA AHEAD 85+40.49 =
 PT STA BACK 85+20.52

MATCH LINE STA. 99+00

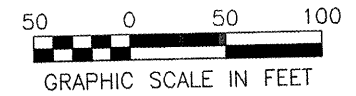
15' WIDE FLAT BOTTOMED
 DITCH W/ 3:1 SLOPES.
 ROADSIDE DITCH TO
 CARRY FLOW FORMERLY
 CARRIED BY ICRR DITCH

N/F
 MAGNA TRUST CO.
 07-06.0-200-005
 DB 2866 PG578
 PARCEL NO. 9789006

SEE WARPING SHEETS
 FOR INTERSECTION LAYOUT

N/F
 LARSON PROPERTIES, LC
 07-06.0-200-032
 DB 1934 PG 413
 PARCEL NO. 9789033

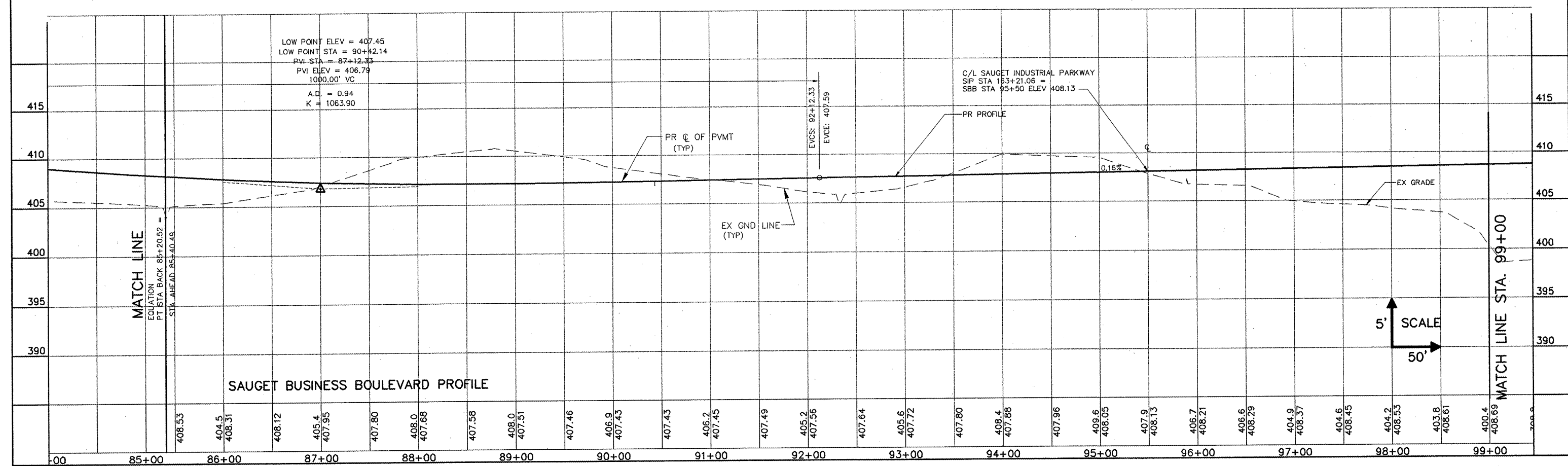
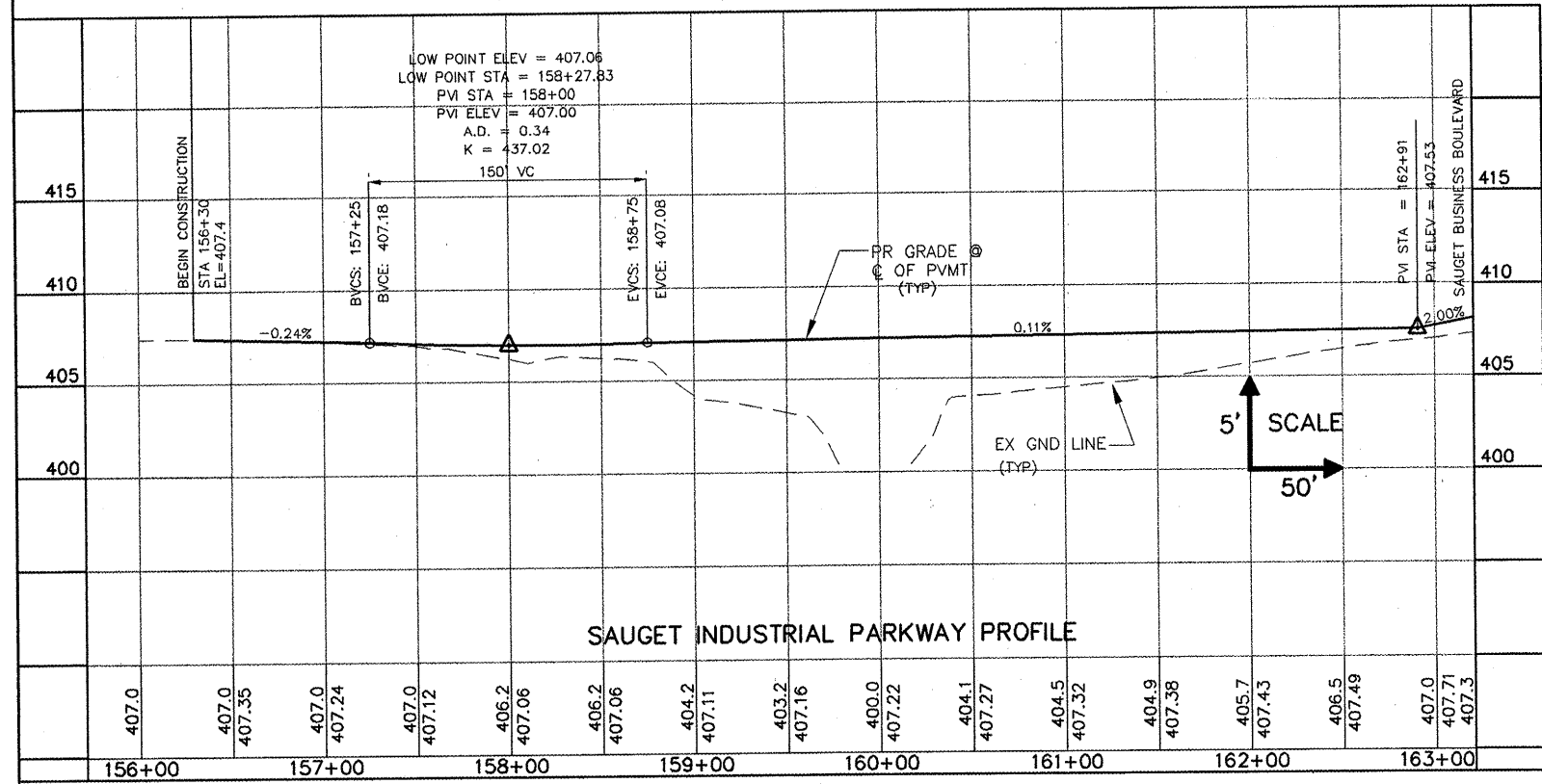
N/F
 LARSON PROPERTIES, LLC
 07-06.0-200-032
 DB 1934 PG 413
 PARCEL NO. 9789033



SEE NEXT SHEET FOR PROFILES

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| | | | | |
|-----------------------|--------------------|-----------|-----------------------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| - | 99-00000 -01-PP | ST. CLAIR | 89 | 18 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT- 98-089-97 | |
| PROFILE SHEET | | | | |
| CONTRACT NO. 97312 | | | | |



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| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|---------|-----------|--------------|-----------|
| 99-00009 | -01-FP | ST. CLAIR | 09 | 19 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- | | | | |
| PLAN SHEET | | | | |
| CONTRACT NO. 97312 | | | | |

EOP 2CC 2-1
 TC STA 105+74.63
 TC OFFSET 30.00' L
 R = 375' L = 99.22'
 CC STA 106+70.79
 CC OFFSET 45.35' L
 R = 70' L = 85.88'
 CT STA 107+17.22
 CT OFFSET 110.09' L

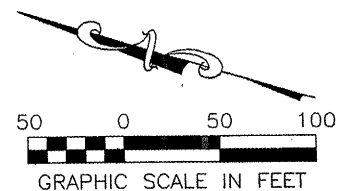
EOP 2CC 2-2
 TC STA 107+62.57
 TC OFFSET 201.80' L
 R = 400' L = 110.00'
 CC STA 107+79.77
 CC OFFSET 93.48'
 R = 70' L = 88.07'
 CT STA 108+46.03
 CT OFFSET 45.00' L

C/L CURVE EX CM-5
 MOUSSETTE LANE (EAST)
 PC = 45+96.01
 PT = 49+98.65
 PI = 47+91.85
 Δ = 321° 42'
 D = 8'00" 00"
 T = 206.80'
 L = 402.64'
 R = 716.20'
 e = .067'
 SUPER ELEVATION ATTAINED:
 STA 51+45.33 TO STA 49+24.33
 STA 46+69.34 TO STA 44+49.34

EOP R=70' 2-3
 TC STA 106+44.92
 TC OFFSET 30.00' R
 R = 70' L = 111.49'
 CT STA 107+18.12
 CT OFFSET 100.41' R

EOP 2CC 2-4
 TC STA 107+71.66
 TC OFFSET 113.87' R
 R = 70' L = 92.44'
 CC STA 108+24.03
 CC OFFSET 45.25' R
 R = 375' L = 100.00'
 CT STA 109+22.85
 CT OFFSET 32.00' R

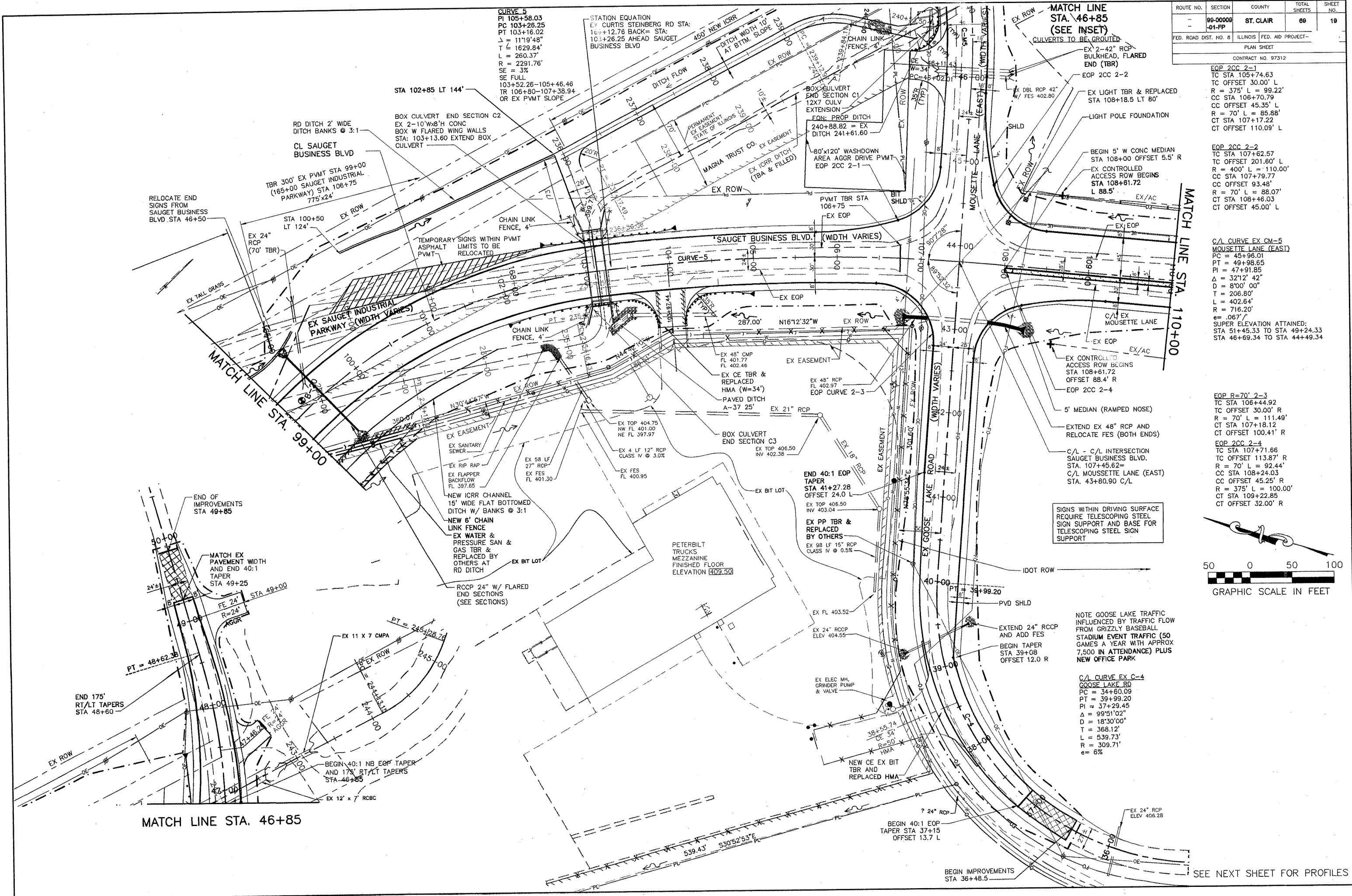
C/L CURVE EX C-4
 GOOSE LAKE RD
 PC = 34+60.09
 PT = 39+99.20
 PI = 37+29.45
 Δ = 99° 51' 02"
 D = 18' 30" 00"
 T = 368.12'
 L = 539.73'
 R = 309.71'
 e = 6%



SIGNS WITHIN DRIVING SURFACE
 REQUIRE TELESCOPING STEEL
 SIGN SUPPORT AND BASE FOR
 TELESCOPING STEEL SIGN
 SUPPORT

NOTE GOOSE LAKE TRAFFIC
 INFLUENCED BY TRAFFIC FLOW
 FROM GRIZZLY BASEBALL
 STADIUM EVENT TRAFFIC (50
 GAMES A YEAR WITH APPROX
 7,500 IN ATTENDANCE) PLUS
 NEW OFFICE PARK

T:\CADD\SAUGET\7313171.plt adw\020202.dwg PLAN PROFILE.dwg 018 INTERSECT PLAN STA 107+45, 4/10/2008 8:53:23 PM, Meter 8825.pcd

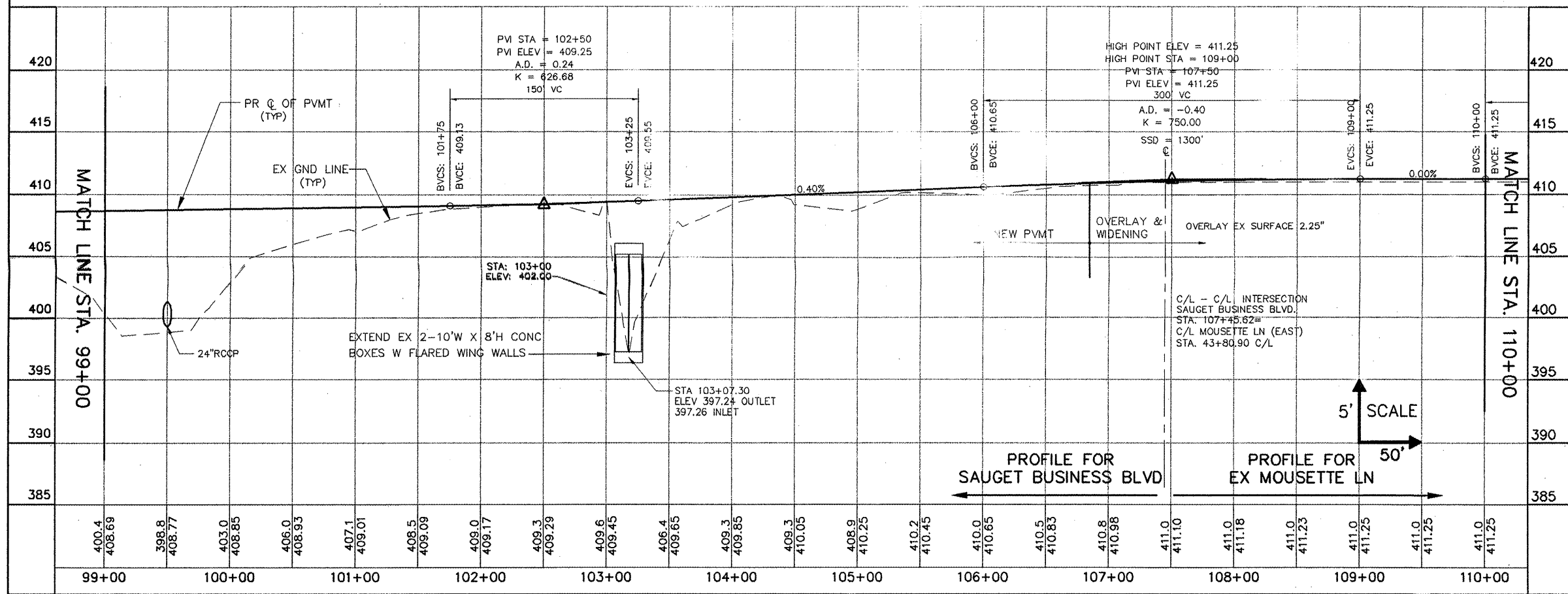
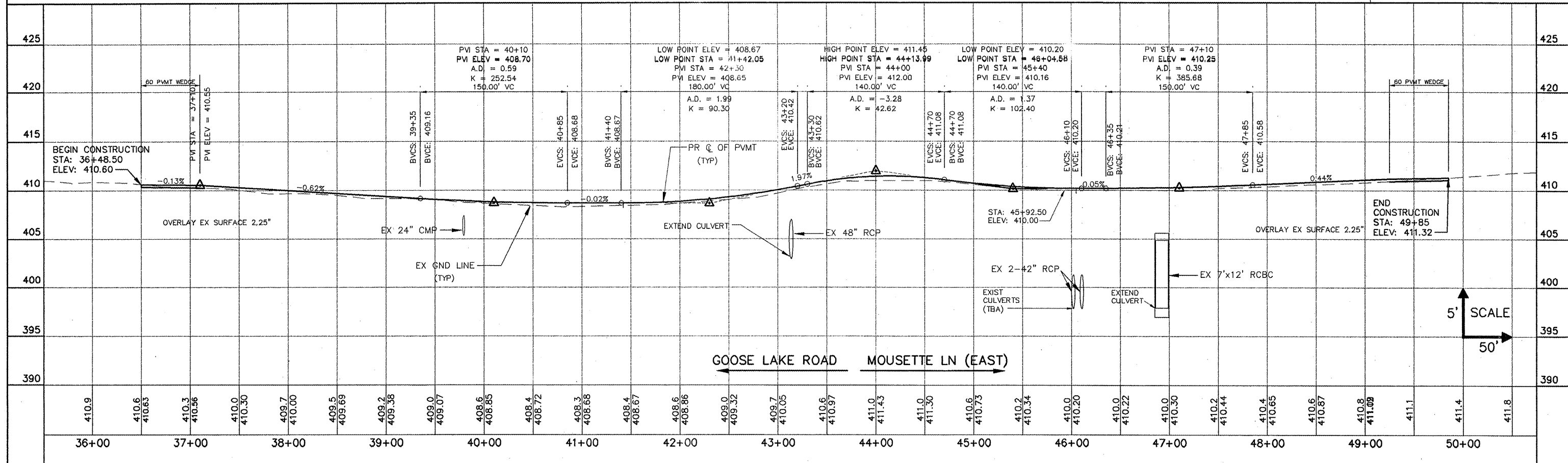


MATCH LINE STA. 46+85

BEGIN IMPROVEMENTS
 STA 36+48.5

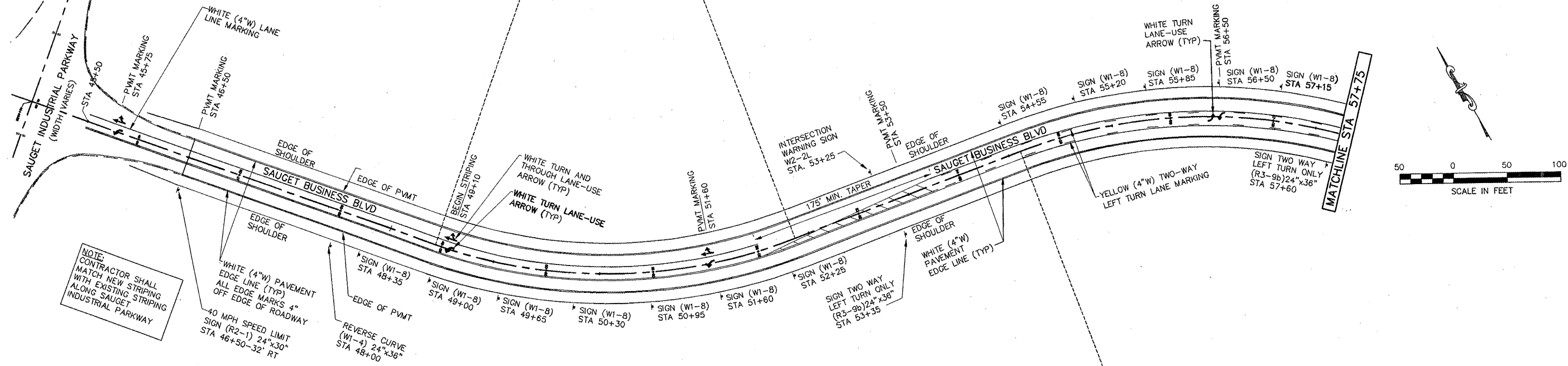
SEE NEXT SHEET FOR PROFILES

| | | | | |
|-----------------------|----------------|-----------------------------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| - | 99-00009-01-FP | ST. CLAIR | 89 | 20 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS FED. AID PROJECT-- | | 7 |
| PROFILE SHEET | | | | |
| CONTRACT NO. 97312 | | | | |

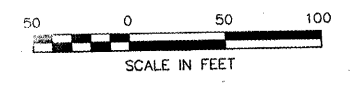
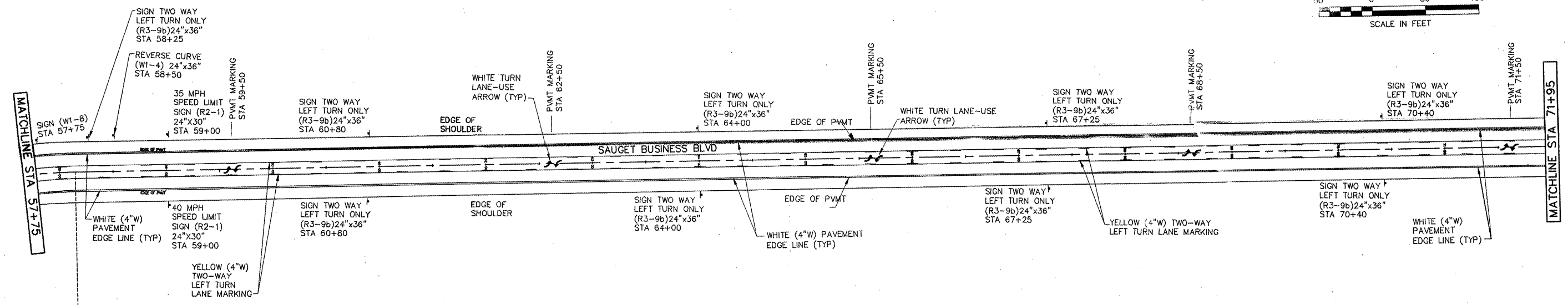
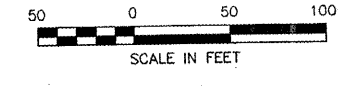


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| | | | | |
|-------------------------------------|---------|----------------------------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 99-00009 | -01-FP | ST. CLAIR | 69 | 22 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS FED. AID PROJECT- | | 7 |
| PAVEMENT STRIPING & TRAFFIC CONTROL | | | | |
| CONTRACT NO. 97312 | | | | |

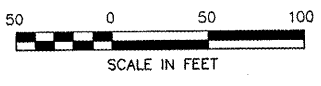
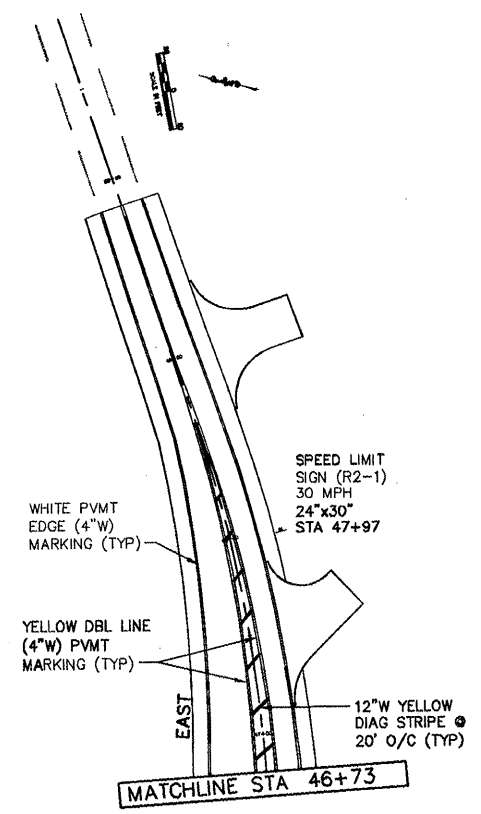
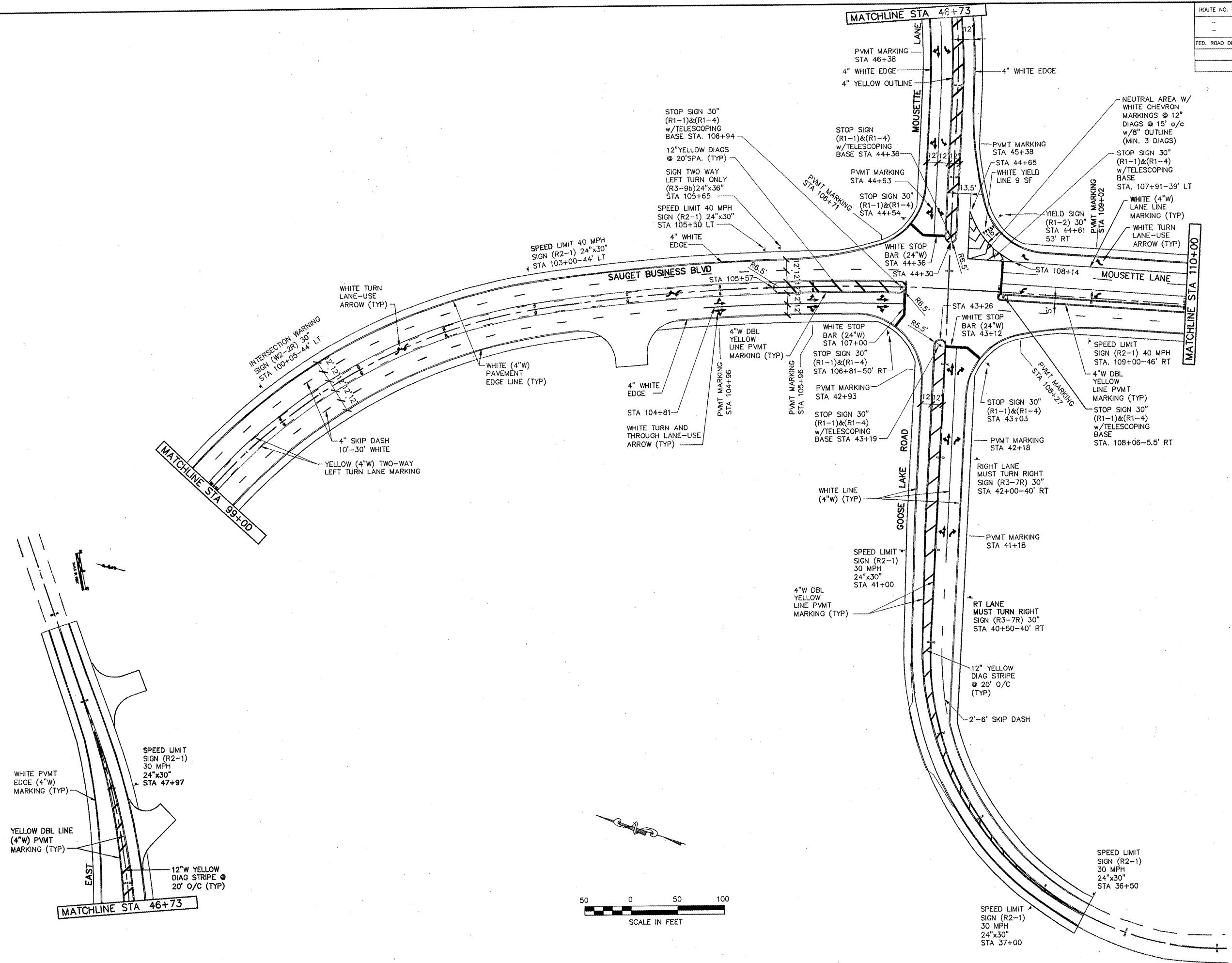


NOTE:
CONTRACTOR SHALL
MATCH NEW STRIPING
WITH EXISTING STRIPING
ALONG SAUGÉT
INDUSTRIAL PARKWAY



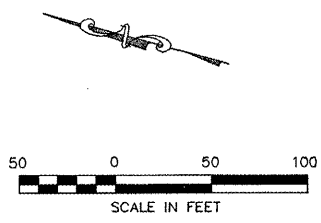
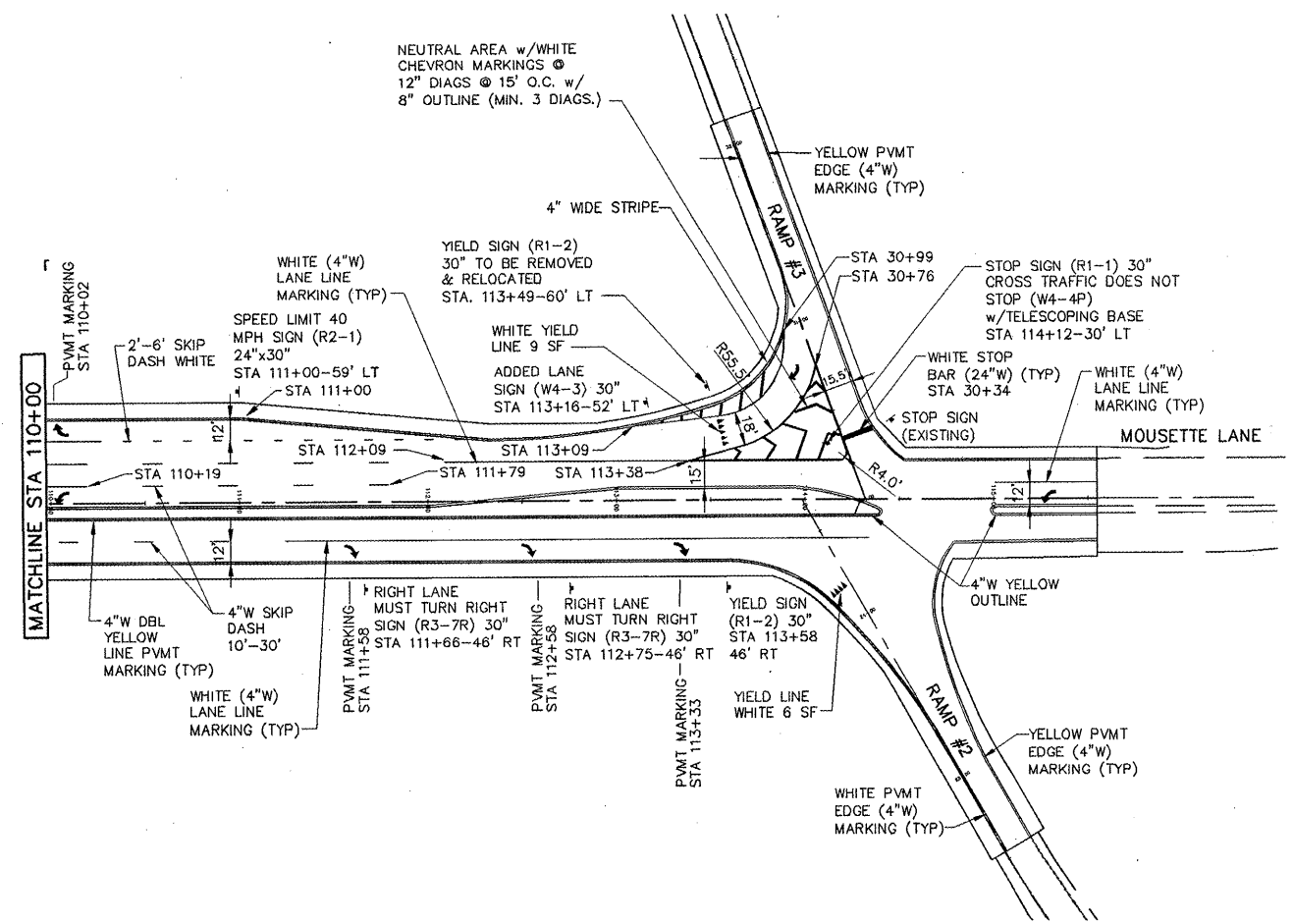
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| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|---------|-----------|--------------|-----------|
| 99-00000 | -01-PP | ST. CLAIR | 89 | 25 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- | | | | |
| PAVEMENT STRIPING & TRAFFIC CONTROL | | | | |
| CONTRACT NO. 97312 | | | | |

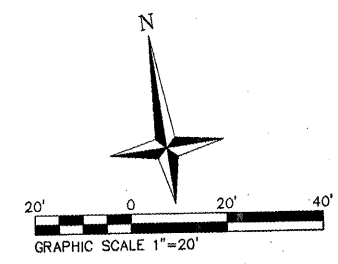
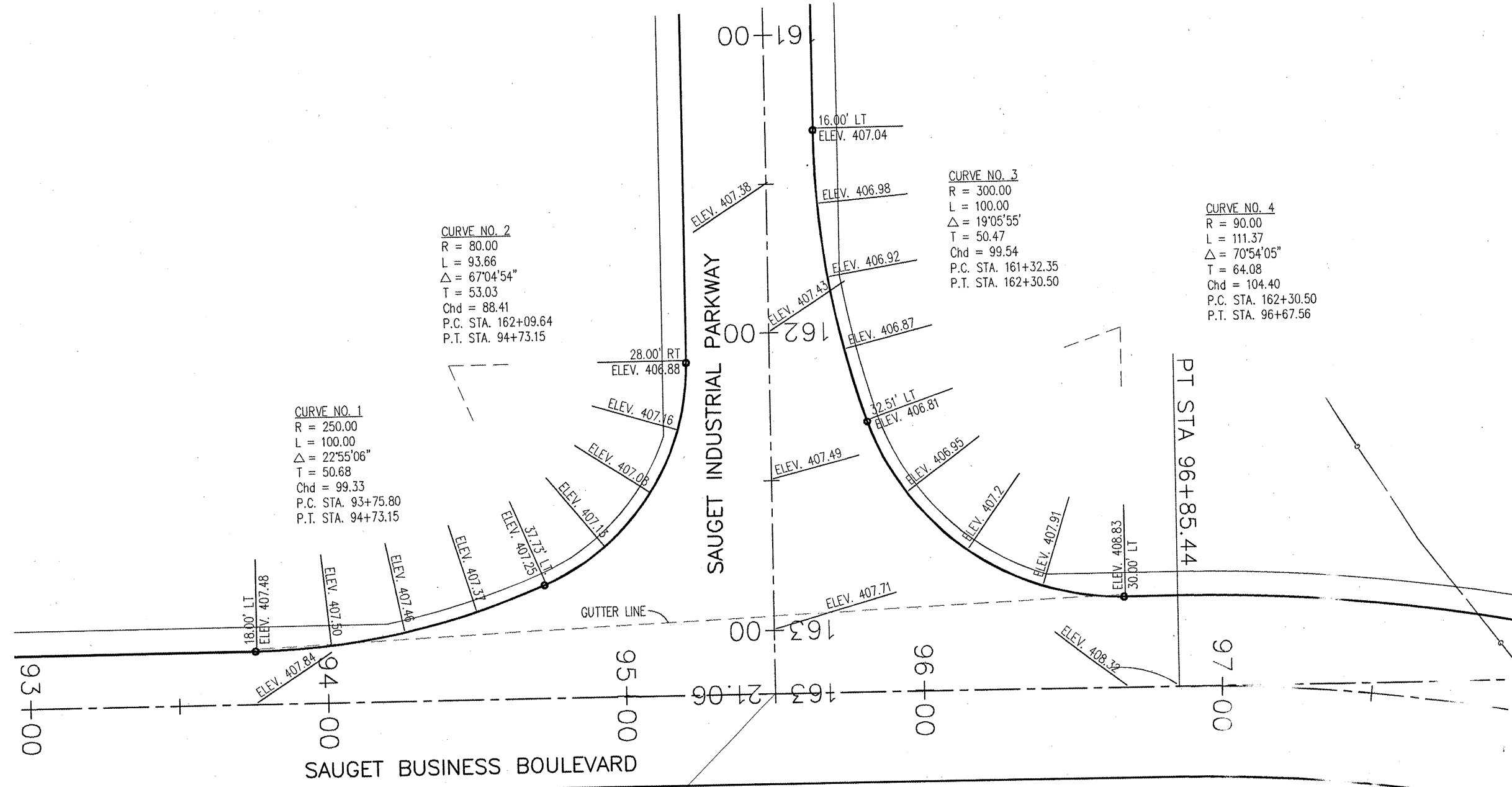


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| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|----------------|-----------|--------------|-----------|
| - | 09-00009-01-PP | ST. CLAIR | 69 | 26 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- | | | | |
| PAVEMENT STRIPING & TRAFFIC CONTROL | | | | |
| CONTRACT NO. 97312 | | | | |



| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|----------|-----------|--------------|-----------|
| - | 96-00000 | ST. CLAIR | 69 | 27 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- | | | | |
| INTERSECTION TRANSITIONS | | | | |
| CONTRACT NO. 97312 | | | | |

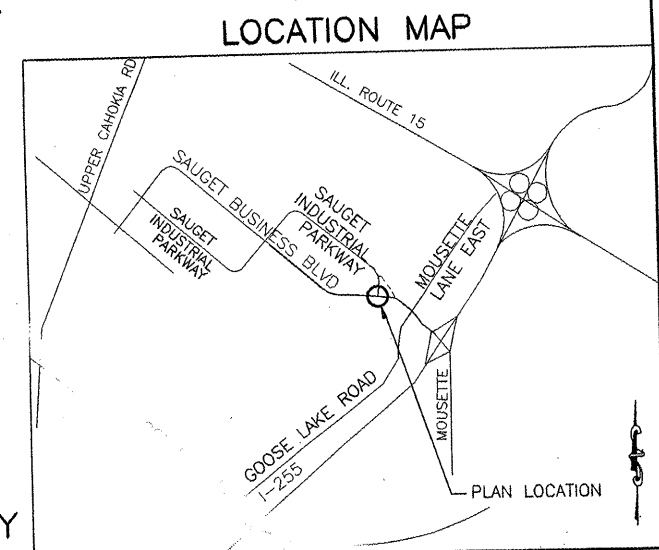


SAUGET BUSINESS BOULEVARD STA. 95+50.00=
 SAUGET INDUSTRIAL PARKWAY STA. 163+21.06

NOTES:

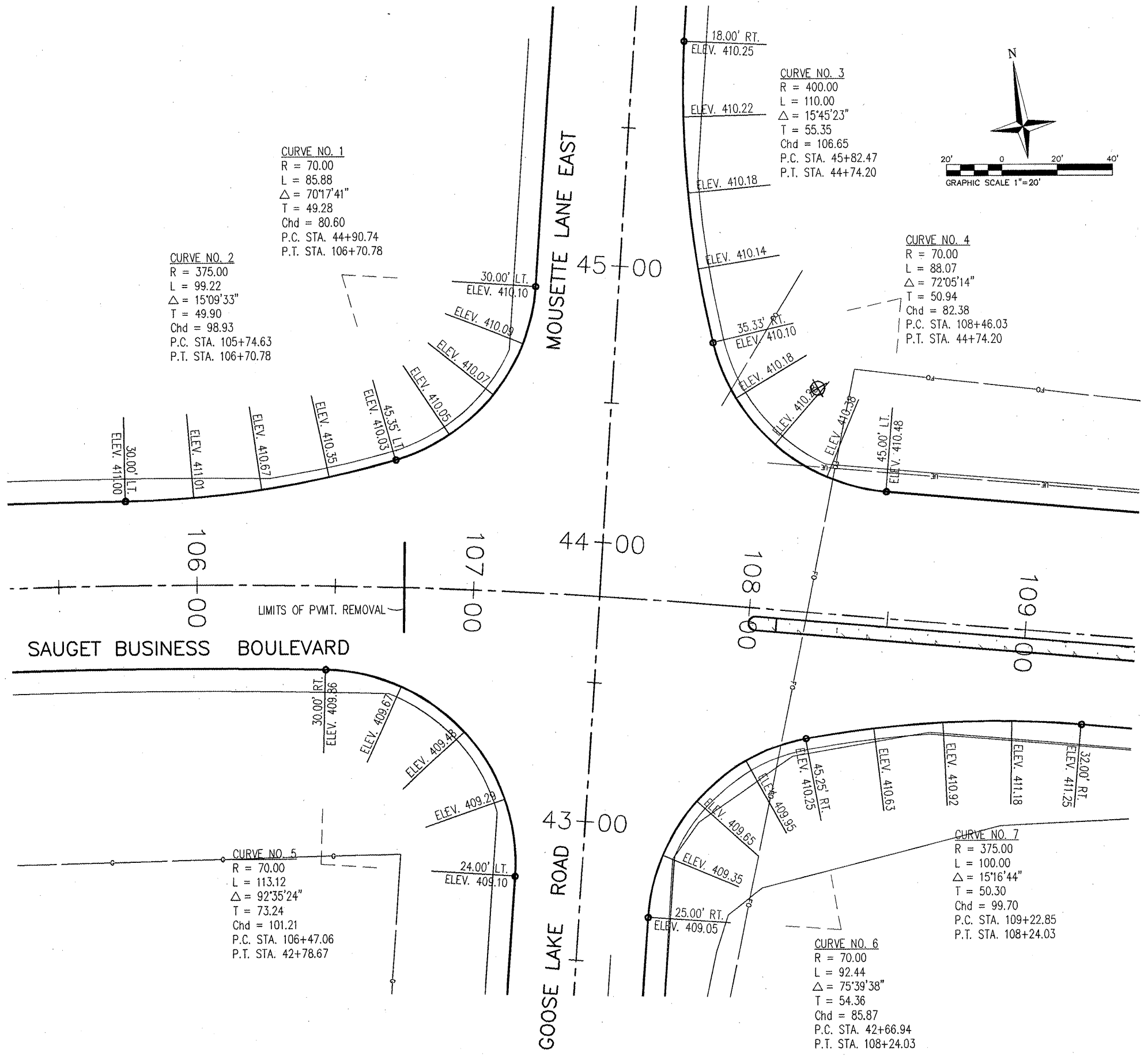
1. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE OFF OF PAVEMENT THROUGH INTERSECTION. ENGINEER SHALL APPROVE ALL GRADES PRIOR TO PLACEMENT OF ASPHALT.
2. ALL ASPHALT SHOULDERS SHALL SLOPE AWAY FROM EDGE OF PROPOSED PAVEMENT. SEE TYPICAL SECTIONS FOR SHOULDER SLOPES.

**INTERSECTION OF
 SAUGET BUSINESS BOULEVARD
 AND SAUGET INDUSTRIAL PARKWAY**



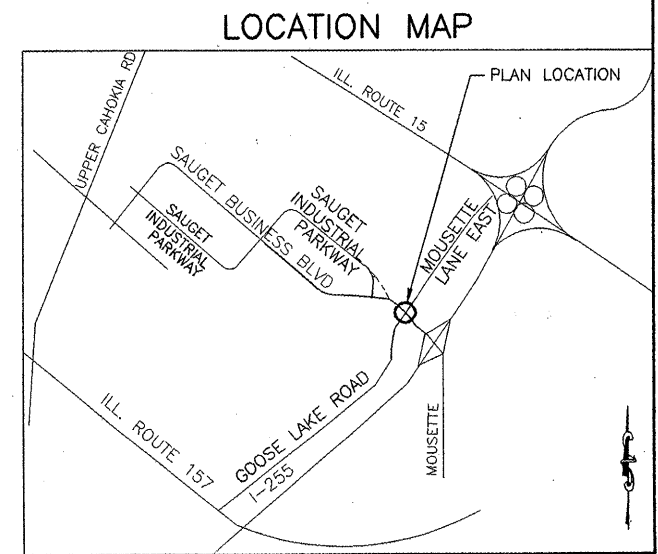
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| | | | | |
|--------------------------|----------------|-----------|-------------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| - | 99-00008-01-PP | ST. CLAIR | 69 | 28 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT- | 7 |
| INTERSECTION TRANSITIONS | | | | |
| CONTRACT NO. 97312 | | | | |



NOTES:

1. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE OFF OF PAVEMENT THROUGH INTERSECTION. ENGINEER SHALL APPROVE ALL GRADES PRIOR TO PLACEMENT OF ASPHALT.
2. ALL ASPHALT SHOULDERS SHALL SLOPE AWAY FROM EDGE OF PROPOSED PAVEMENT. SEE TYPICAL SECTIONS FOR SHOULDER SLOPES.

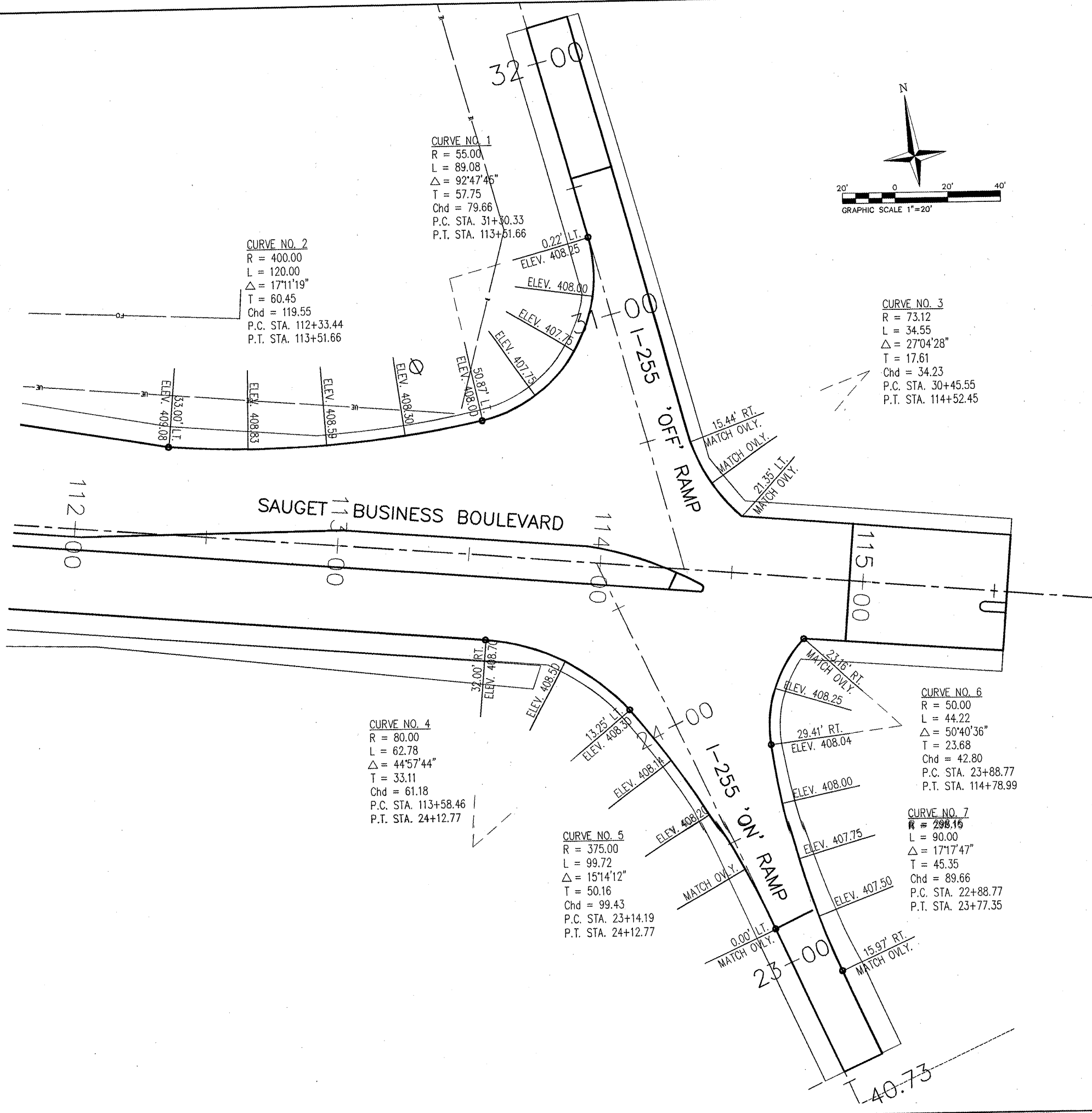
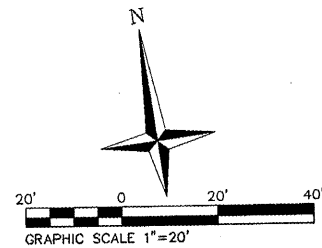


**INTERSECTION OF
SAUGET BUSINESS BOULEVARD
AND GOOSE LAKE ROAD/MOUsETTE LANE (EAST)**

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|---------|-----------|--------------|-----------|
| 99-00009 | -01-FP | ST. CLAIR | 69 | 29 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- | | | | |
| INTERSECTION TRANSITIONS | | | | |
| CONTRACT NO. 97312 | | | | |

NOTES:

1. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE OFF OF PAVEMENT THROUGH INTERSECTION. ENGINEER SHALL APPROVE ALL GRADES PRIOR TO PLACEMENT OF ASPHALT.
2. ALL ASPHALT SHOULDERS SHALL SLOPE AWAY FROM EDGE OF PROPOSED PAVEMENT. SEE TYPICAL SECTIONS FOR SHOULDER SLOPES.



CURVE NO. 1
 R = 55.00
 L = 89.08
 $\Delta = 92^{\circ}47'45''$
 T = 57.75
 Chd = 79.66
 P.C. STA. 31+30.33
 P.T. STA. 113+51.66

CURVE NO. 2
 R = 400.00
 L = 120.00
 $\Delta = 17^{\circ}11'19''$
 T = 60.45
 Chd = 119.55
 P.C. STA. 112+33.44
 P.T. STA. 113+51.66

CURVE NO. 3
 R = 73.12
 L = 34.55
 $\Delta = 27^{\circ}04'28''$
 T = 17.61
 Chd = 34.23
 P.C. STA. 30+45.55
 P.T. STA. 114+52.45

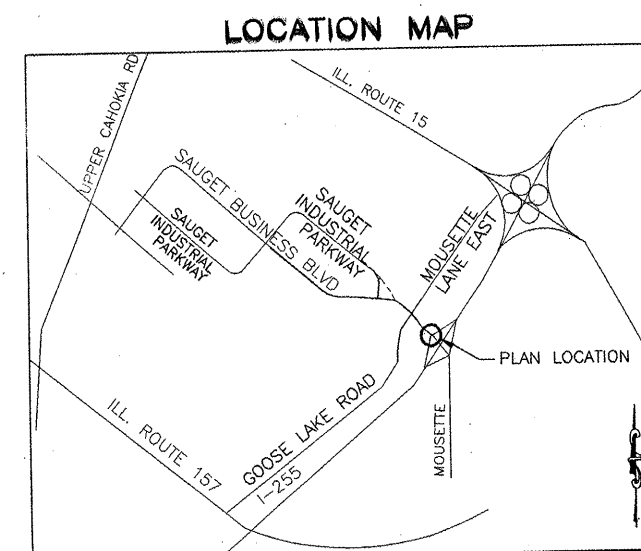
CURVE NO. 4
 R = 80.00
 L = 62.78
 $\Delta = 44^{\circ}57'44''$
 T = 33.11
 Chd = 61.18
 P.C. STA. 113+58.46
 P.T. STA. 24+12.77

CURVE NO. 5
 R = 375.00
 L = 99.72
 $\Delta = 15^{\circ}14'12''$
 T = 50.16
 Chd = 99.43
 P.C. STA. 23+14.19
 P.T. STA. 24+12.77

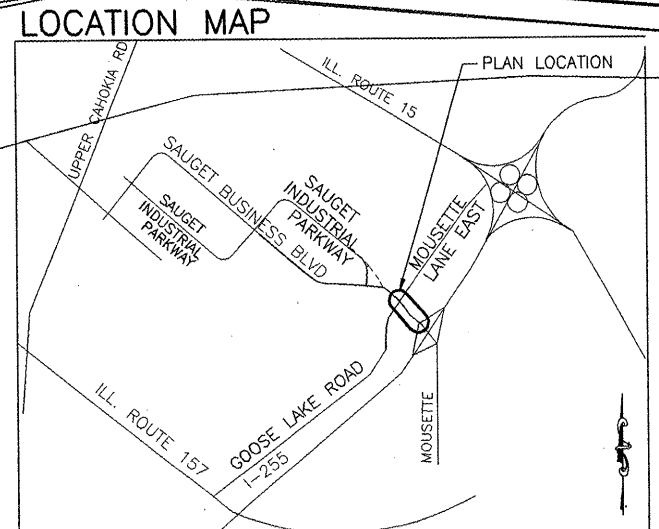
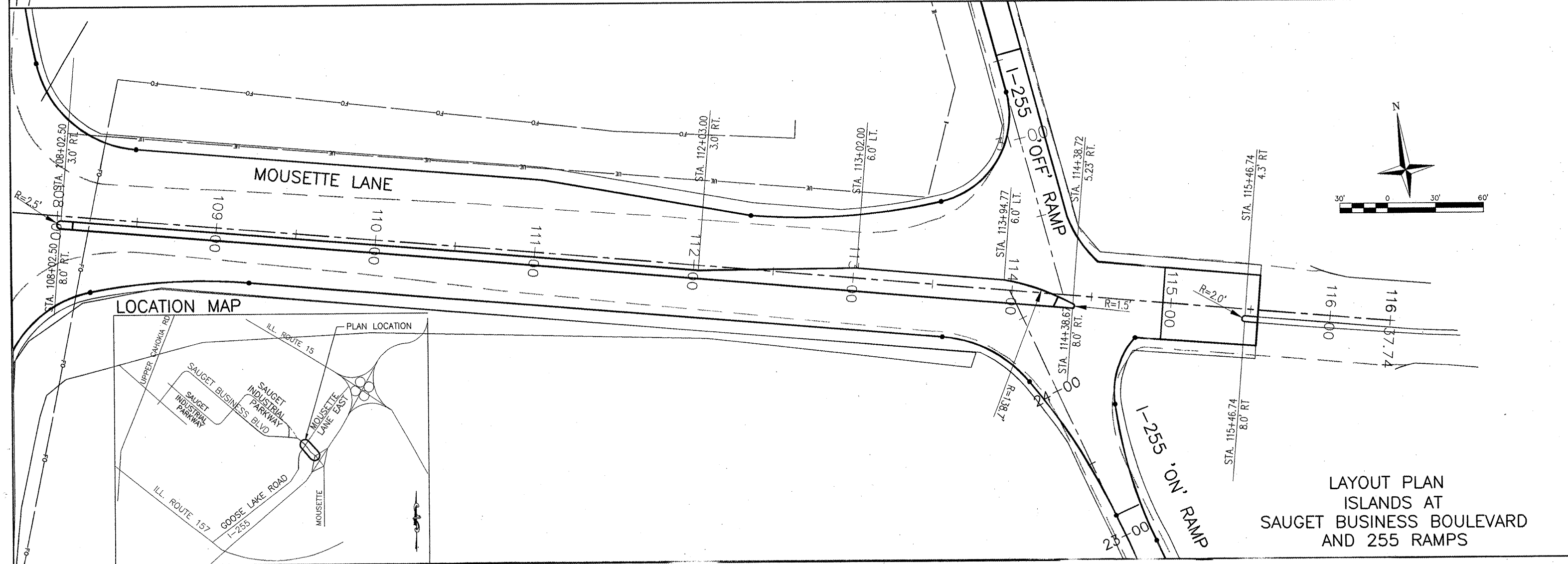
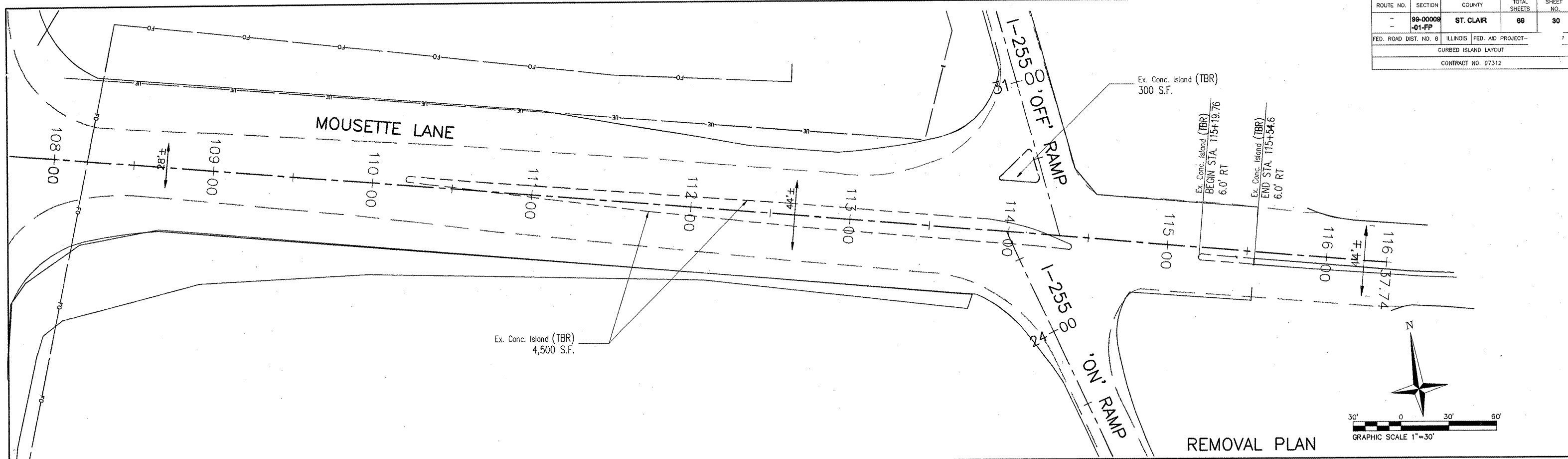
CURVE NO. 6
 R = 50.00
 L = 44.22
 $\Delta = 50^{\circ}40'36''$
 T = 23.68
 Chd = 42.80
 P.C. STA. 23+88.77
 P.T. STA. 114+78.99

CURVE NO. 7
 R = 298.16
 L = 90.00
 $\Delta = 17^{\circ}17'47''$
 T = 45.35
 Chd = 89.66
 P.C. STA. 22+88.77
 P.T. STA. 23+77.35

INTERSECTION OF
 SAUGET BUSINESS BOULEVARD
 AND SAUGET INDUSTRIAL PARKWAY

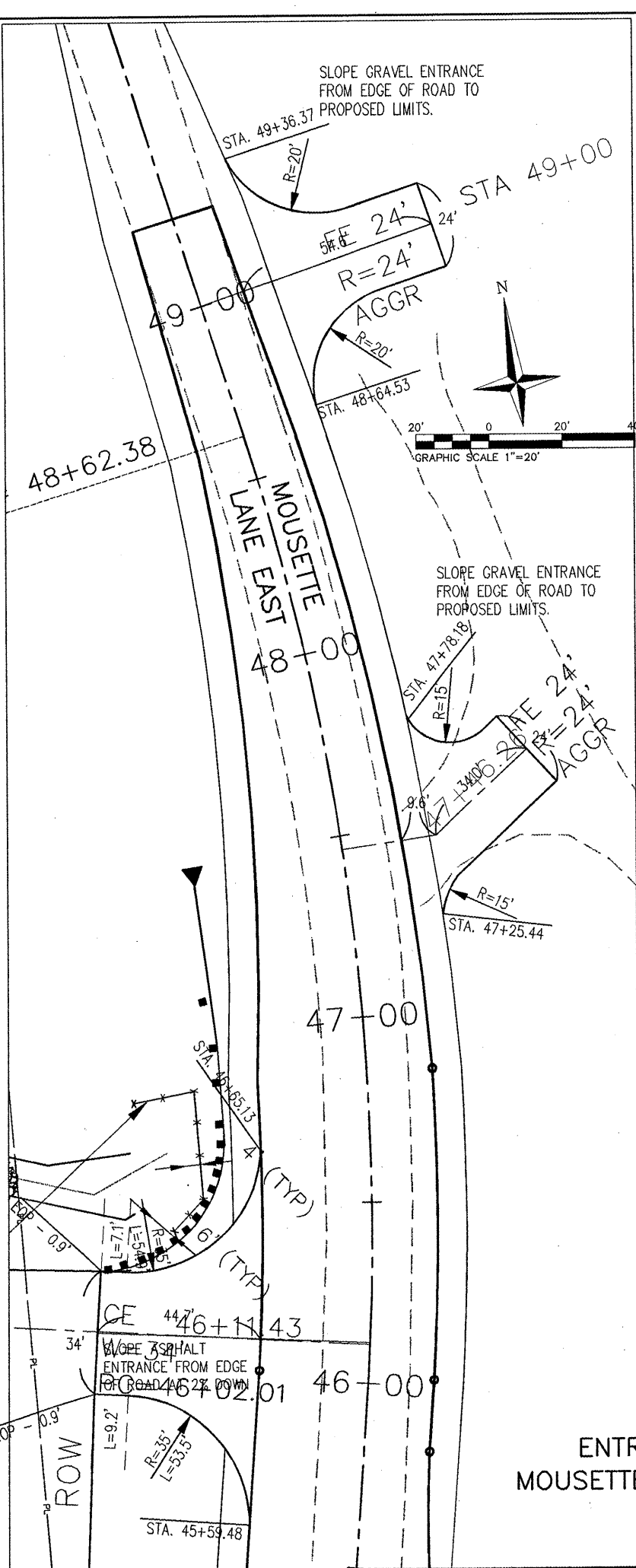
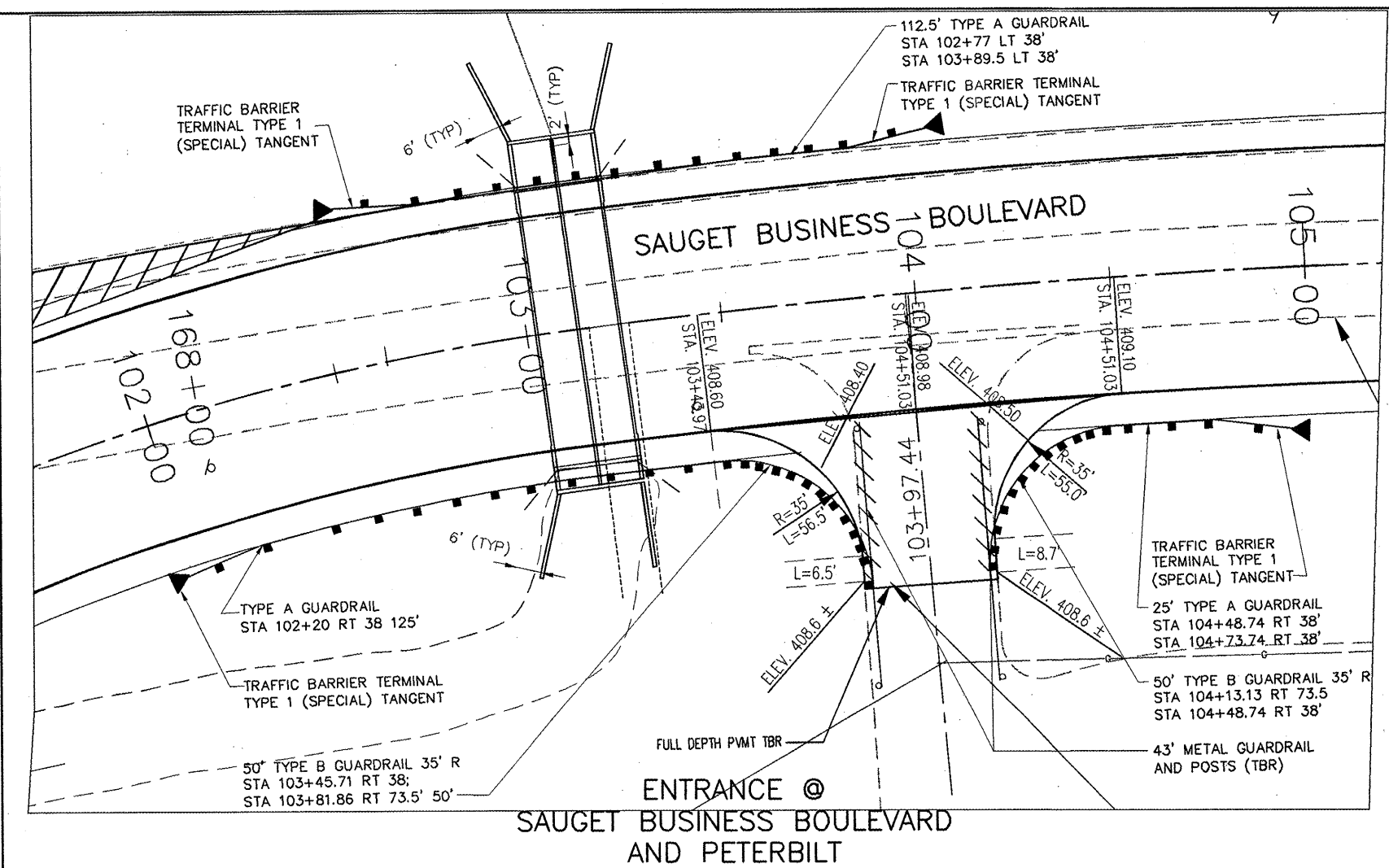
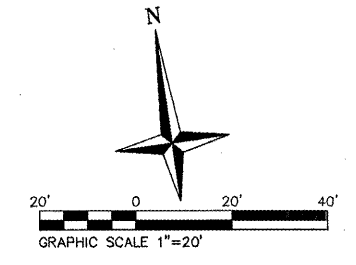


| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|--------------------|-----------|--------------|-----------|
| - | 99-00009 -01-FP | ST. CLAIR | 99 | 30 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT - CURBED ISLAND LAYOUT | | | | |
| CONTRACT NO. 97312 | | | | |

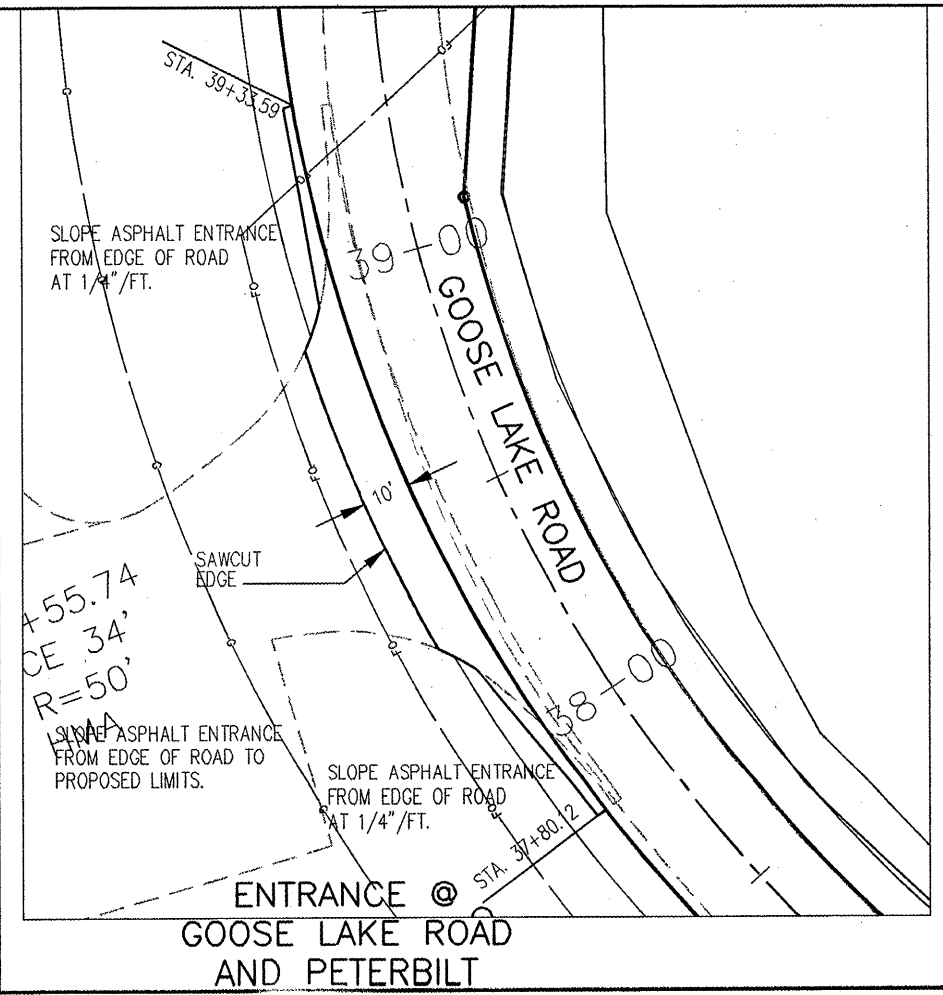


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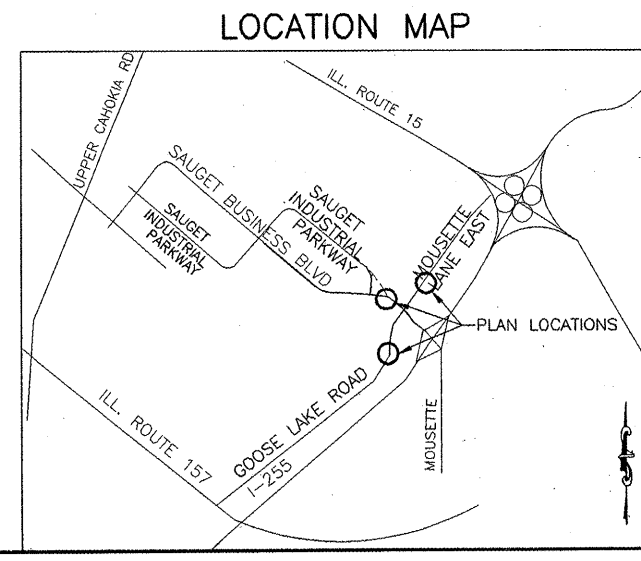
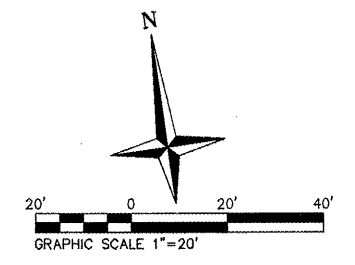
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|----------------|-----------|---------------------|-----------|
| - | 99-00009-01-FP | ST. CLAIR | 69 | 31 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT: 7 | |
| DRIVEWAY DETAILS | | | | |
| CONTRACT NO. 97312 | | | | |



ENTRANCES @
MOUSETTE LANE (EAST)



ENTRANCE @
GOOSE LAKE ROAD
AND PETERBILT



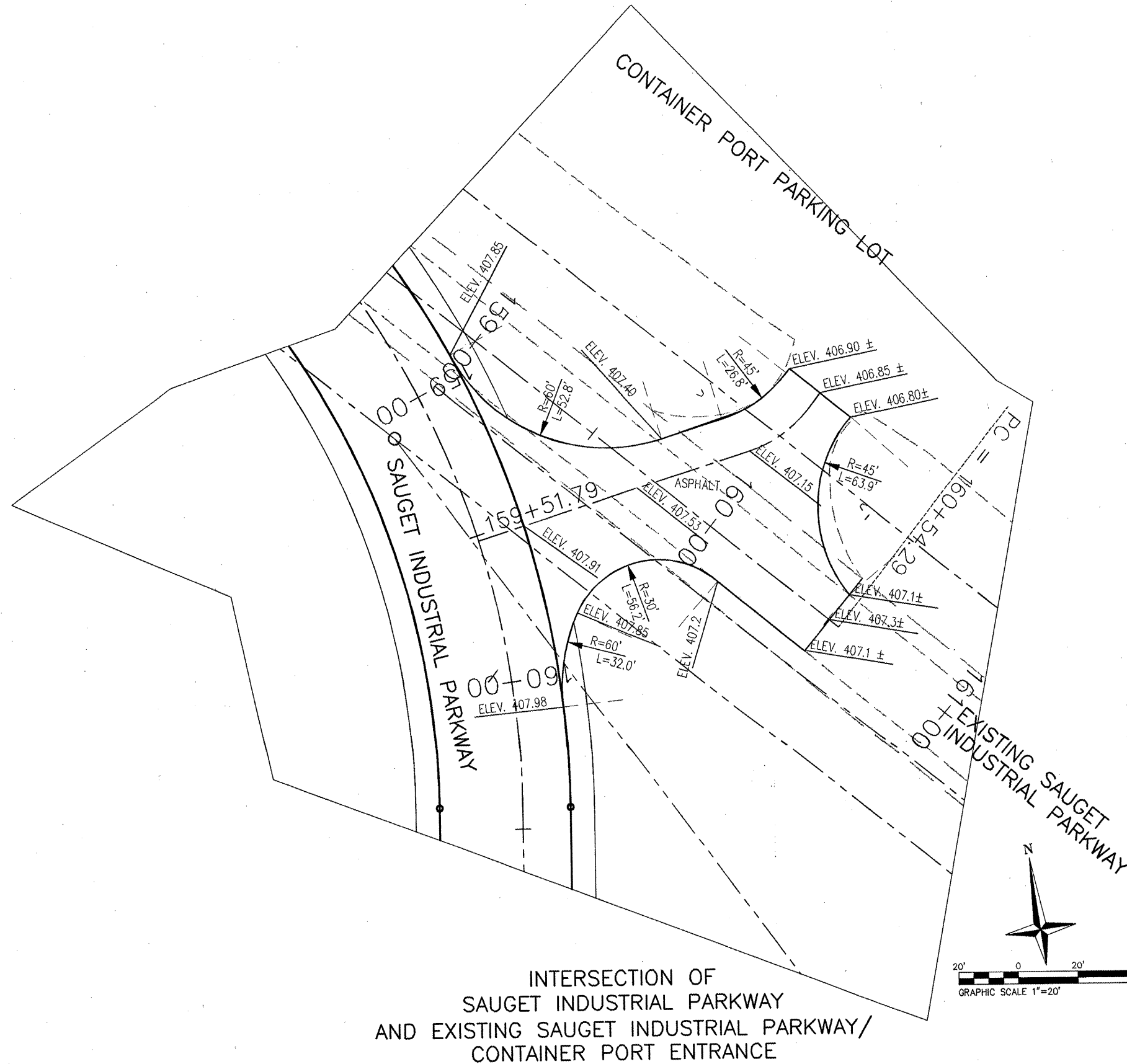
LOCATION MAP

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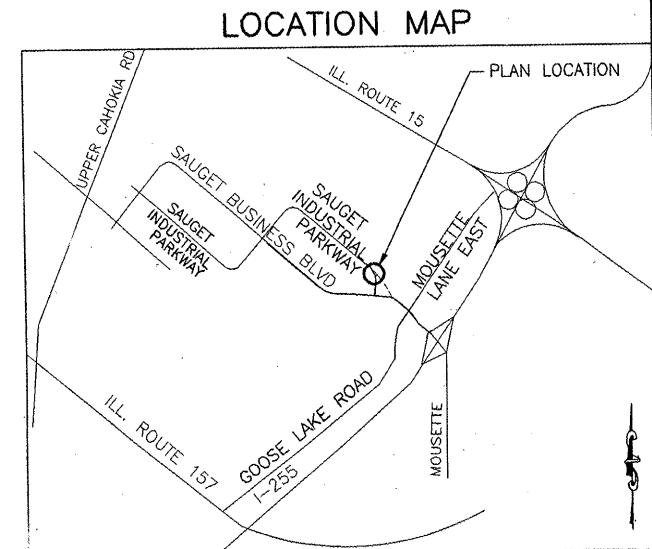
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|--------------------|-----------|--------------|-----------|
| - | 99-00008 -01-FP | ST. CLAIR | 88 | 32 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- | | | | |
| INTERSECTION TRANSITIONS | | | | |
| CONTRACT NO. 97312 | | | | |

NOTES:

1. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE OFF OF PAVEMENT THROUGH INTERSECTION. ENGINEER SHALL APPROVE ALL GRADES PRIOR TO PLACEMENT OF ASPHALT.
2. ALL ASPHALT SHOULDERS SHALL SLOPE AWAY FROM EDGE OF PROPOSED PAVEMENT. SEE TYPICAL SECTIONS FOR SHOULDER SLOPES.



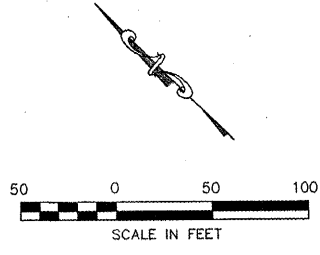
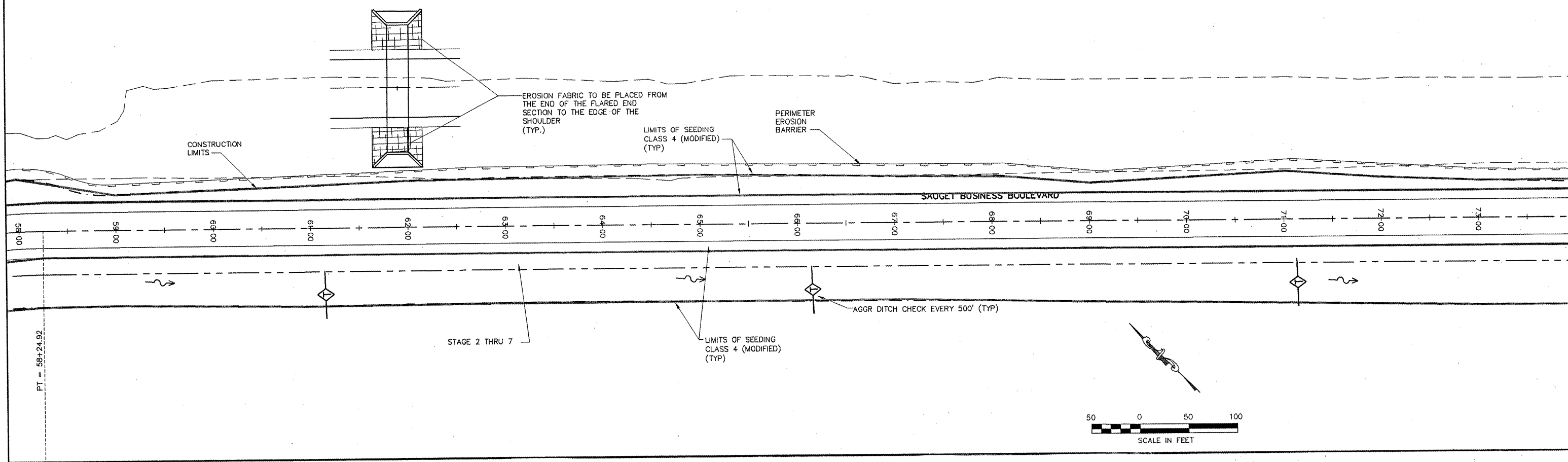
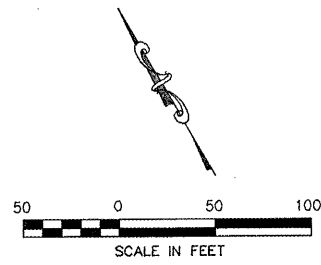
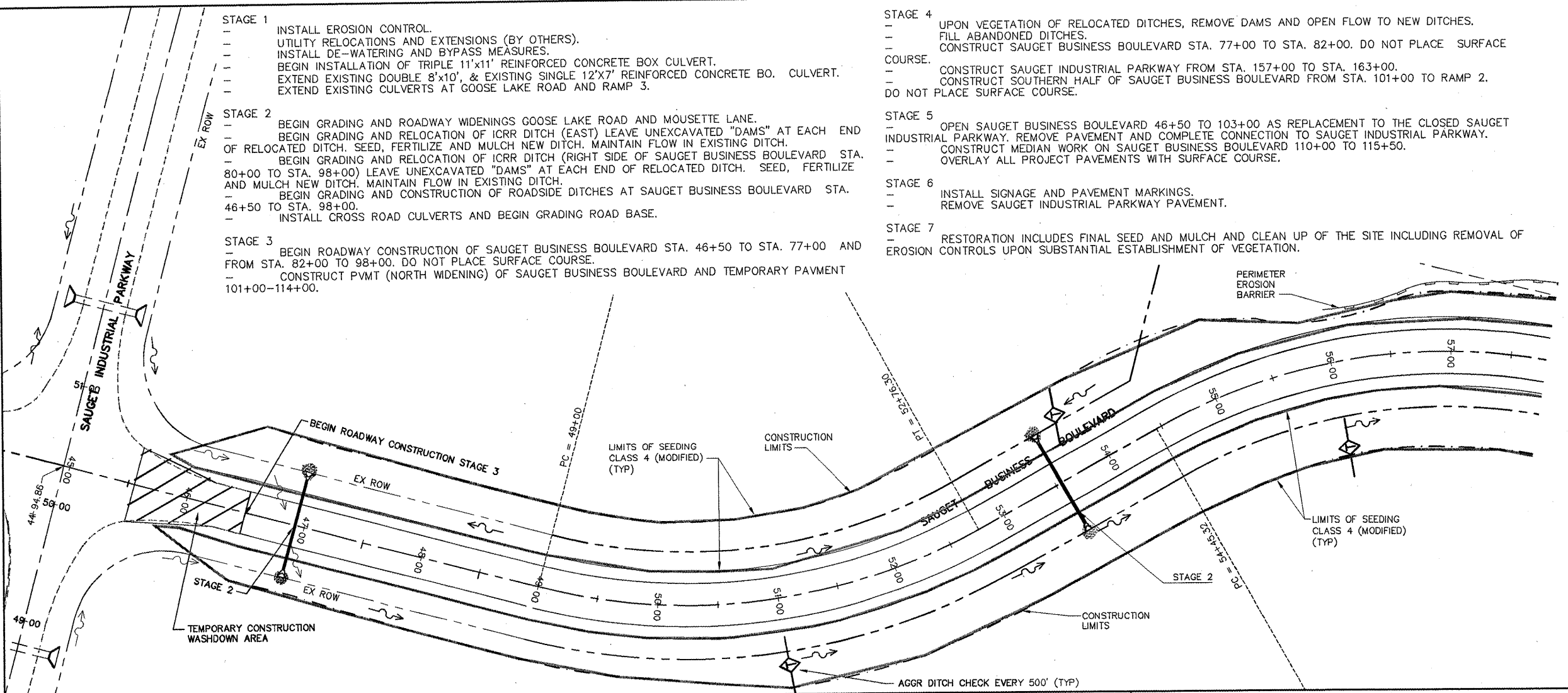
INTERSECTION OF
SAUGUET INDUSTRIAL PARKWAY
AND EXISTING SAUGUET INDUSTRIAL PARKWAY/
CONTAINER PORT ENTRANCE



| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------------|---------|-----------|-------------------|-----------|
| 99-00009 | 01-FP | ST. CLAIR | 69 | 33 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT- | |
| EROSION CONTROL & STAGING PLAN | | | | |
| CONTRACT NO. 97312 | | | | |

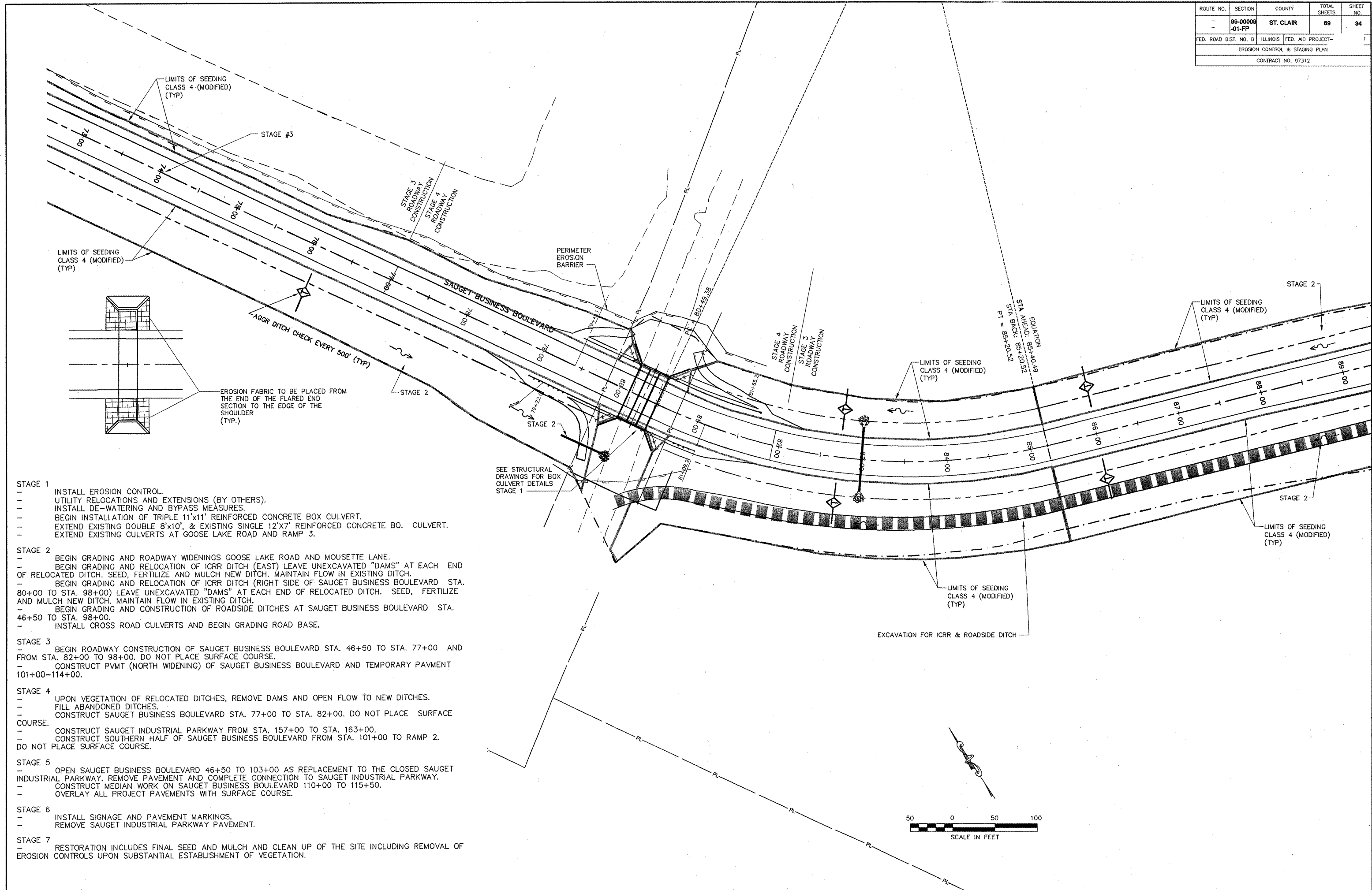
- STAGE 1**
- INSTALL EROSION CONTROL.
 - UTILITY RELOCATIONS AND EXTENSIONS (BY OTHERS).
 - INSTALL DE-WATERING AND BYPASS MEASURES.
 - BEGIN INSTALLATION OF TRIPLE 11'x11' REINFORCED CONCRETE BOX CULVERT.
 - EXTEND EXISTING DOUBLE 8'x10' & EXISTING SINGLE 12'x7' REINFORCED CONCRETE BO. CULVERT.
 - EXTEND EXISTING CULVERTS AT GOOSE LAKE ROAD AND RAMP 3.
- STAGE 2**
- BEGIN GRADING AND ROADWAY WIDENINGS GOOSE LAKE ROAD AND MOUSETTE LANE.
 - BEGIN GRADING AND RELOCATION OF ICRR DITCH (EAST) LEAVE UNEXCAVATED "DAMS" AT EACH END OF RELOCATED DITCH. SEED, FERTILIZE AND MULCH NEW DITCH. MAINTAIN FLOW IN EXISTING DITCH.
 - BEGIN GRADING AND RELOCATION OF ICRR DITCH (RIGHT SIDE OF SAUGET BUSINESS BOULEVARD STA. 80+00 TO STA. 98+00) LEAVE UNEXCAVATED "DAMS" AT EACH END OF RELOCATED DITCH. SEED, FERTILIZE AND MULCH NEW DITCH. MAINTAIN FLOW IN EXISTING DITCH.
 - BEGIN GRADING AND CONSTRUCTION OF ROADSIDE DITCHES AT SAUGET BUSINESS BOULEVARD STA. 46+50 TO STA. 98+00.
 - INSTALL CROSS ROAD CULVERTS AND BEGIN GRADING ROAD BASE.
- STAGE 3**
- BEGIN ROADWAY CONSTRUCTION OF SAUGET BUSINESS BOULEVARD STA. 46+50 TO STA. 77+00 AND FROM STA. 82+00 TO 98+00. DO NOT PLACE SURFACE COURSE.
 - CONSTRUCT PVMT (NORTH WIDENING) OF SAUGET BUSINESS BOULEVARD AND TEMPORARY PAVEMENT 101+00-114+00.

- STAGE 4**
- UPON VEGETATION OF RELOCATED DITCHES, REMOVE DAMS AND OPEN FLOW TO NEW DITCHES.
 - FILL ABANDONED DITCHES.
 - CONSTRUCT SAUGET BUSINESS BOULEVARD STA. 77+00 TO STA. 82+00. DO NOT PLACE SURFACE COURSE.
- STAGE 5**
- OPEN SAUGET BUSINESS BOULEVARD 46+50 TO 103+00 AS REPLACEMENT TO THE CLOSED SAUGET INDUSTRIAL PARKWAY. REMOVE PAVEMENT AND COMPLETE CONNECTION TO SAUGET INDUSTRIAL PARKWAY.
 - CONSTRUCT MEDIAN WORK ON SAUGET BUSINESS BOULEVARD 110+00 TO 115+50.
 - OVERLAY ALL PROJECT PAVEMENTS WITH SURFACE COURSE.
- STAGE 6**
- INSTALL SIGNAGE AND PAVEMENT MARKINGS.
 - REMOVE SAUGET INDUSTRIAL PARKWAY PAVEMENT.
- STAGE 7**
- RESTORATION INCLUDES FINAL SEED AND MULCH AND CLEAN UP OF THE SITE INCLUDING REMOVAL OF EROSION CONTROLS UPON SUBSTANTIAL ESTABLISHMENT OF VEGETATION.



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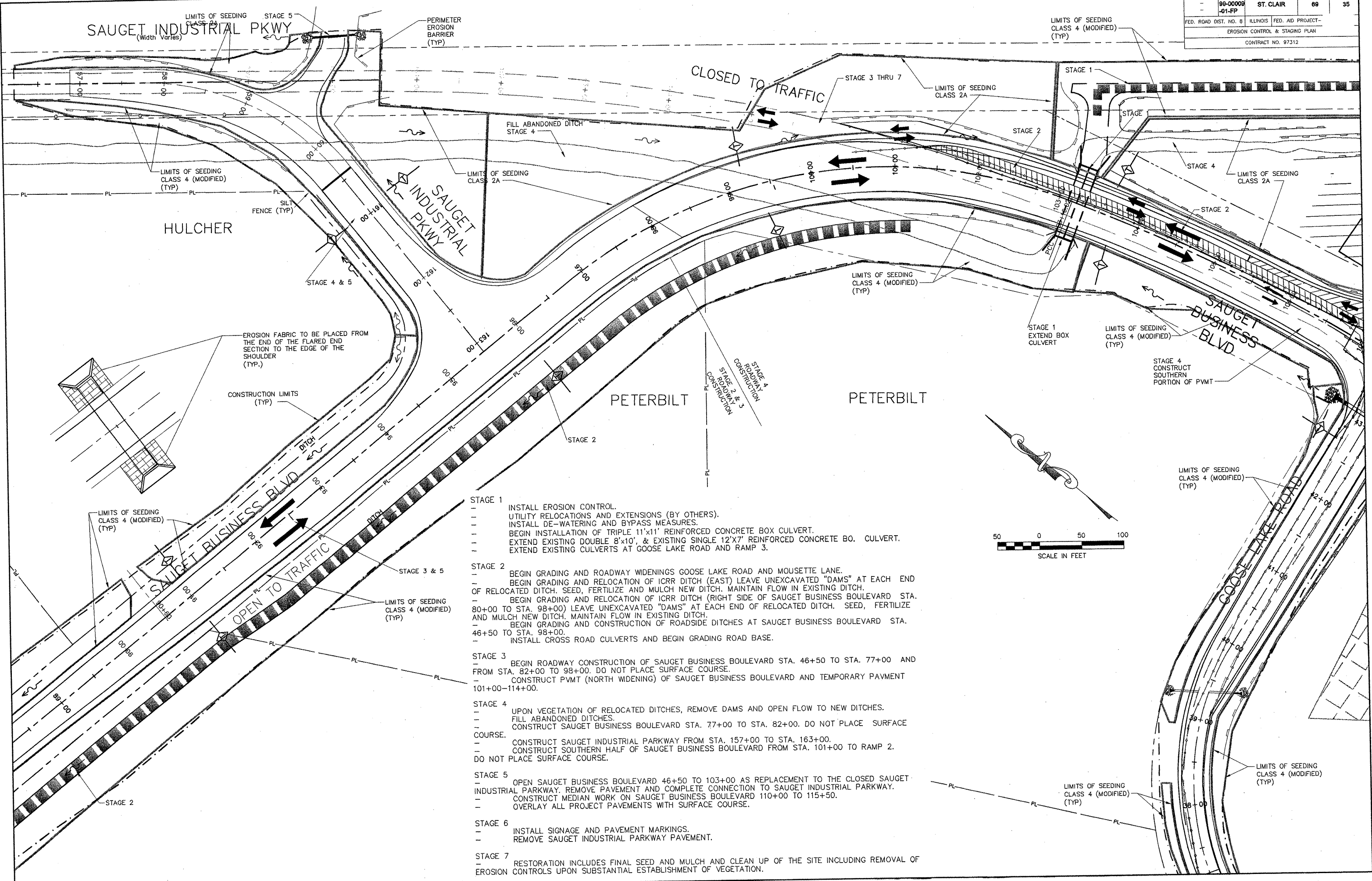
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|----------------|-----------|--------------|-----------|
| - | 99-00009-01-FP | ST. CLAIR | 69 | 34 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- | | | | |
| EROSION CONTROL & STAGING PLAN | | | | |
| CONTRACT NO. 97312 | | | | |



- STAGE 1
- INSTALL EROSION CONTROL.
 - UTILITY RELOCATIONS AND EXTENSIONS (BY OTHERS).
 - INSTALL DE-WATERING AND BYPASS MEASURES.
 - BEGIN INSTALLATION OF TRIPLE 11'x11' REINFORCED CONCRETE BOX CULVERT.
 - EXTEND EXISTING DOUBLE 8'x10', & EXISTING SINGLE 12'x7' REINFORCED CONCRETE BO. CULVERT.
 - EXTEND EXISTING CULVERTS AT GOOSE LAKE ROAD AND RAMP 3.
- STAGE 2
- BEGIN GRADING AND ROADWAY WIDENINGS GOOSE LAKE ROAD AND MOUSETTE LANE.
 - BEGIN GRADING AND RELOCATION OF ICRR DITCH (EAST) LEAVE UNEXCAVATED "DAMS" AT EACH END OF RELOCATED DITCH. SEED, FERTILIZE AND MULCH NEW DITCH. MAINTAIN FLOW IN EXISTING DITCH.
 - BEGIN GRADING AND RELOCATION OF ICRR DITCH (RIGHT SIDE OF SAUGET BUSINESS BOULEVARD STA. 80+00 TO STA. 98+00) LEAVE UNEXCAVATED "DAMS" AT EACH END OF RELOCATED DITCH. SEED, FERTILIZE AND MULCH NEW DITCH. MAINTAIN FLOW IN EXISTING DITCH.
 - BEGIN GRADING AND CONSTRUCTION OF ROADSIDE DITCHES AT SAUGET BUSINESS BOULEVARD STA. 46+50 TO STA. 98+00.
 - INSTALL CROSS ROAD CULVERTS AND BEGIN GRADING ROAD BASE.
- STAGE 3
- BEGIN ROADWAY CONSTRUCTION OF SAUGET BUSINESS BOULEVARD STA. 46+50 TO STA. 77+00 AND FROM STA. 82+00 TO 98+00. DO NOT PLACE SURFACE COURSE.
 - CONSTRUCT PVMT (NORTH WIDENING) OF SAUGET BUSINESS BOULEVARD AND TEMPORARY PAVMENT 101+00-114+00.
- STAGE 4
- UPON VEGETATION OF RELOCATED DITCHES, REMOVE DAMS AND OPEN FLOW TO NEW DITCHES.
 - FILL ABANDONED DITCHES.
 - CONSTRUCT SAUGET BUSINESS BOULEVARD STA. 77+00 TO STA. 82+00. DO NOT PLACE SURFACE COURSE.
 - CONSTRUCT SAUGET INDUSTRIAL PARKWAY FROM STA. 157+00 TO STA. 163+00.
 - CONSTRUCT SOUTHERN HALF OF SAUGET BUSINESS BOULEVARD FROM STA. 101+00 TO RAMP 2. DO NOT PLACE SURFACE COURSE.
- STAGE 5
- OPEN SAUGET BUSINESS BOULEVARD 46+50 TO 103+00 AS REPLACEMENT TO THE CLOSED SAUGET INDUSTRIAL PARKWAY. REMOVE PAVEMENT AND COMPLETE CONNECTION TO SAUGET INDUSTRIAL PARKWAY.
 - CONSTRUCT MEDIAN WORK ON SAUGET BUSINESS BOULEVARD 110+00 TO 115+50.
 - OVERLAY ALL PROJECT PAVEMENTS WITH SURFACE COURSE.
- STAGE 6
- INSTALL SIGNAGE AND PAVEMENT MARKINGS.
 - REMOVE SAUGET INDUSTRIAL PARKWAY PAVEMENT.
- STAGE 7
- RESTORATION INCLUDES FINAL SEED AND MULCH AND CLEAN UP OF THE SITE INCLUDING REMOVAL OF EROSION CONTROLS UPON SUBSTANTIAL ESTABLISHMENT OF VEGETATION.

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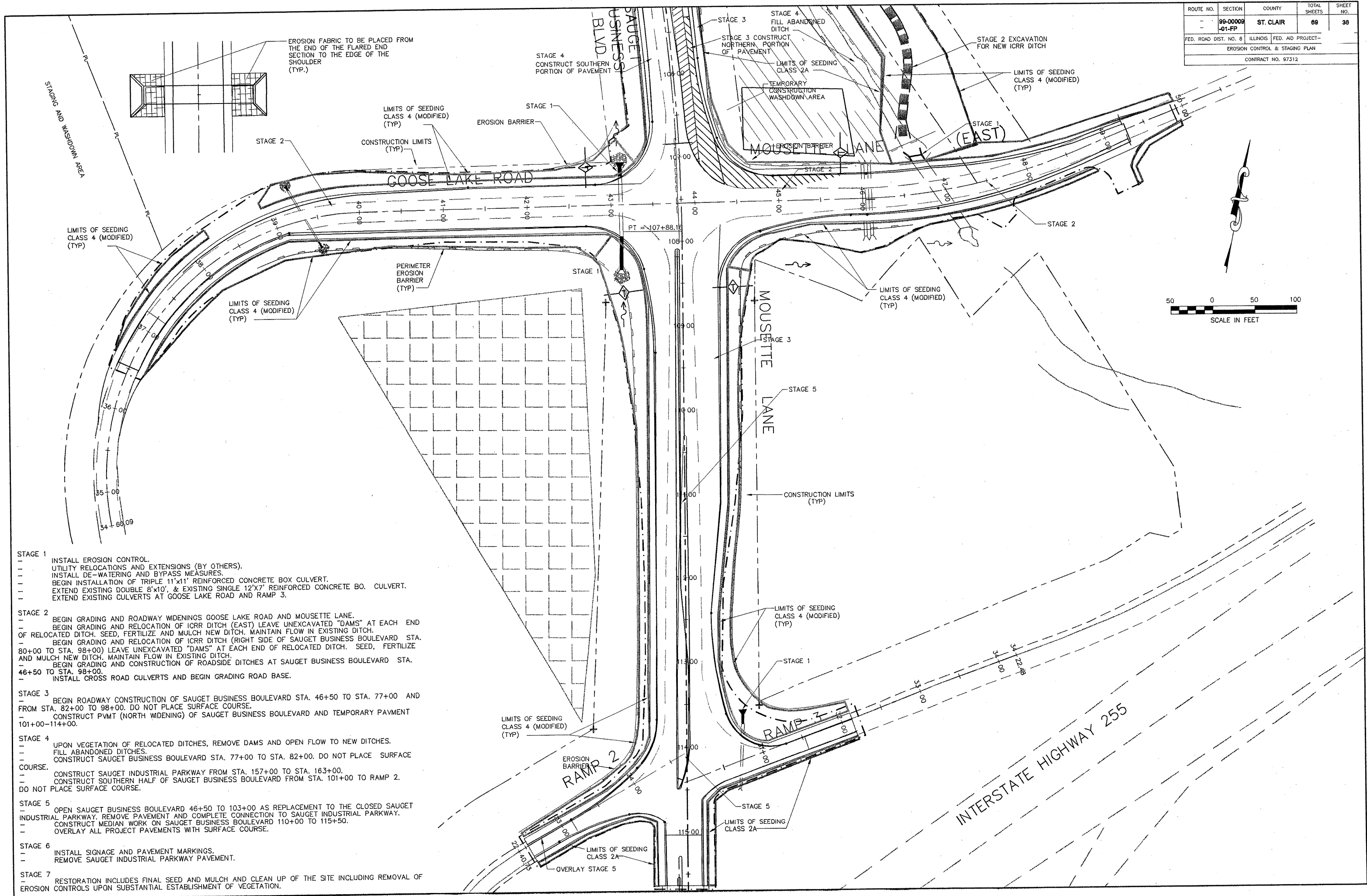
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|----------------|-----------|--------------|-----------|
| - | 99-00008-01-FP | ST. CLAIR | 69 | 35 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT - EROSION CONTROL & STAGING PLAN | | | | |
| CONTRACT NO. 97312 | | | | |



- STAGE 1**
- INSTALL EROSION CONTROL.
 - UTILITY RELOCATIONS AND EXTENSIONS (BY OTHERS).
 - INSTALL DE-WATERING AND BYPASS MEASURES.
 - BEGIN INSTALLATION OF TRIPLE 11'x11' REINFORCED CONCRETE BOX CULVERT.
 - EXTEND EXISTING DOUBLE 8'x10', & EXISTING SINGLE 12'x7' REINFORCED CONCRETE BO. CULVERT.
 - EXTEND EXISTING CULVERTS AT GOOSE LAKE ROAD AND RAMP 3.
- STAGE 2**
- BEGIN GRADING AND ROADWAY WIDENINGS GOOSE LAKE ROAD AND MOUSETTE LANE.
 - BEGIN GRADING AND RELOCATION OF ICRR DITCH (EAST) LEAVE UNEXCAVATED "DAMS" AT EACH END OF RELOCATED DITCH. SEED, FERTILIZE AND MULCH NEW DITCH. MAINTAIN FLOW IN EXISTING DITCH.
 - BEGIN GRADING AND RELOCATION OF ICRR DITCH (RIGHT SIDE OF SAUGUET BUSINESS BOULEVARD STA. 80+00 TO STA. 98+00) LEAVE UNEXCAVATED "DAMS" AT EACH END OF RELOCATED DITCH. SEED, FERTILIZE AND MULCH NEW DITCH. MAINTAIN FLOW IN EXISTING DITCH.
 - BEGIN GRADING AND CONSTRUCTION OF ROADSIDE DITCHES AT SAUGUET BUSINESS BOULEVARD STA. 46+50 TO STA. 98+00.
 - INSTALL CROSS ROAD CULVERTS AND BEGIN GRADING ROAD BASE.
- STAGE 3**
- BEGIN ROADWAY CONSTRUCTION OF SAUGUET BUSINESS BOULEVARD STA. 46+50 TO STA. 77+00 AND FROM STA. 82+00 TO 98+00. DO NOT PLACE SURFACE COURSE.
 - CONSTRUCT PVMT (NORTH WIDENING) OF SAUGUET BUSINESS BOULEVARD AND TEMPORARY PAVMENT 101+00-114+00.
- STAGE 4**
- UPON VEGETATION OF RELOCATED DITCHES, REMOVE DAMS AND OPEN FLOW TO NEW DITCHES.
 - FILL ABANDONED DITCHES.
 - CONSTRUCT SAUGUET BUSINESS BOULEVARD STA. 77+00 TO STA. 82+00. DO NOT PLACE SURFACE COURSE.
 - CONSTRUCT SAUGUET INDUSTRIAL PARKWAY FROM STA. 157+00 TO STA. 163+00.
 - CONSTRUCT SOUTHERN HALF OF SAUGUET BUSINESS BOULEVARD FROM STA. 101+00 TO RAMP 2. DO NOT PLACE SURFACE COURSE.
- STAGE 5**
- OPEN SAUGUET BUSINESS BOULEVARD 46+50 TO 103+00 AS REPLACEMENT TO THE CLOSED SAUGUET INDUSTRIAL PARKWAY. REMOVE PAVEMENT AND COMPLETE CONNECTION TO SAUGUET INDUSTRIAL PARKWAY.
 - CONSTRUCT MEDIAN WORK ON SAUGUET BUSINESS BOULEVARD 110+00 TO 115+50.
 - OVERLAY ALL PROJECT PAVEMENTS WITH SURFACE COURSE.
- STAGE 6**
- INSTALL SIGNAGE AND PAVEMENT MARKINGS.
 - REMOVE SAUGUET INDUSTRIAL PARKWAY PAVEMENT.
- STAGE 7**
- RESTORATION INCLUDES FINAL SEED AND MULCH AND CLEAN UP OF THE SITE INCLUDING REMOVAL OF EROSION CONTROLS UPON SUBSTANTIAL ESTABLISHMENT OF VEGETATION.

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| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|---------|-----------|--------------|-----------|
| 99-00008 | -01-FP | ST. CLAIR | 69 | 38 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- | | | | |
| EROSION CONTROL & STAGING PLAN | | | | |
| CONTRACT NO. 97312 | | | | |



- STAGE 1**
- INSTALL EROSION CONTROL.
 - UTILITY RELOCATIONS AND EXTENSIONS (BY OTHERS).
 - INSTALL DE-WATERING AND BYPASS MEASURES.
 - BEGIN INSTALLATION OF TRIPLE 11"x11" REINFORCED CONCRETE BOX CULVERT.
 - EXTEND EXISTING DOUBLE 8"x10" & EXISTING SINGLE 12"x7" REINFORCED CONCRETE BO. CULVERT.
 - EXTEND EXISTING CULVERTS AT GOOSE LAKE ROAD AND RAMP 3.
- STAGE 2**
- BEGIN GRADING AND ROADWAY WIDENINGS GOOSE LAKE ROAD AND MOUSETTE LANE.
 - BEGIN GRADING AND RELOCATION OF ICRR DITCH (EAST) LEAVE UNEXCAVATED "DAMS" AT EACH END OF RELOCATED DITCH. SEED, FERTILIZE AND MULCH NEW DITCH. MAINTAIN FLOW IN EXISTING DITCH.
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 - BEGIN GRADING AND CONSTRUCTION OF ROADSIDE DITCHES AT SAUGÉT BUSINESS BOULEVARD STA. 46+50 TO STA. 98+00.
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- STAGE 5**
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 - CONSTRUCT MEDIAN WORK ON SAUGÉT BUSINESS BOULEVARD 110+00 TO 115+50.
 - OVERLAY ALL PROJECT PAVEMENTS WITH SURFACE COURSE.
- STAGE 6**
- INSTALL SIGNAGE AND PAVEMENT MARKINGS.
 - REMOVE SAUGÉT INDUSTRIAL PARKWAY PAVEMENT.
- STAGE 7**
- RESTORATION INCLUDES FINAL SEED AND MULCH AND CLEAN UP OF THE SITE INCLUDING REMOVAL OF EROSION CONTROLS UPON SUBSTANTIAL ESTABLISHMENT OF VEGETATION.

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| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------------|----------------|-----------|------------------|-----------|
| - | 99-00009-01-FP | ST. CLAIR | 69 | 37 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT | |
| EROSION CONTROL & STAGING PLAN | | | | |
| CONTRACT NO. 97312 | | | | |

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.
 - (a.) WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
 - (b.) EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.
 - (c.) AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
 - I. PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
 - II. TEMPORARILY SEED ERODABLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODABLE SURFACE AREA WITHIN THE CONTRACT LIMITS.
 - III. CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.
 - IV. TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.
 - V. BUILD NECESSARY EMBANKMENT AT CULVERT LOCATIONS AND THEN EXCAVATE AND PLACE CULVERT.
 - VI. CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME, PLACING PERMANENT CONTROL SUCH AS RIPRAP DITCH LINING AND CONDUCTING FINAL SHAPING TO THE SLOPES.
 - (d.) EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF THE CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS.
 - (e.) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
 - (f.) THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.
 - (g.) SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EARTH EXCAVATION.
 - (h.) THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR TEMPORARY EROSION CONTROL SYSTEM.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

1. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED CURF AREAS SEEDED AND ESTABLISHED.
2. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED CURF RESEEDED.

MAINTENANCE AFTER CONSTRUCTION:

1. CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY I.D.O.T. FINAL INSPECTION. MAINTENANCE UP TO THIS DATE WILL BE BY THE CONTRACTOR.

MISCELLANEOUS:

1. TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 500 FT. FALL/RISE IN DITCH GRADE.
2. TEMPORARY DITCH CHECKS, AGGREGATE USES GRADING NO. 3- REMOVE AT END OF CONSTRUCTION.
3. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS./ACRES.
4. MULCH METHOD 1 AS APPLIED TO TEMPORARY SEEDING SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS. MULCH WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE PRICE FOR TEMPORARY EROSION CONTROL SEEDING.
5. CONSTRUCT PERIMETER EROSION CONTROL AT BEGINNING OF CONSTRUCTION. REMOVE AT END OF CONSTRUCTION.
6. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 31.5 ACRES OF WHICH 18.6 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT PLAN DOCUMENTS, STANDARD SPECIFICATIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM SEWER WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 2800 OF THE PLANS.


EROSION CONTROLS AND SEDIMENT CONTROL:

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

1. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
 - (a.) AREAS OF EXISTING VEGETATION (WOOD AND GRASS, AND) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
 - (b.) DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.
 - (c.) AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.
 - (d.) BARE AND SPARSELY VEGETATED GROUND IN HIGH ERODABLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN DAYS.
 - (e.) IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED, AREAS WHICH ARE HIGHLY ERODABLE AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDED WHEN NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN DAYS.
 - (f.) AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), TEMPORARY DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE.
2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVERSEEDING CAN BE COMPLETED.

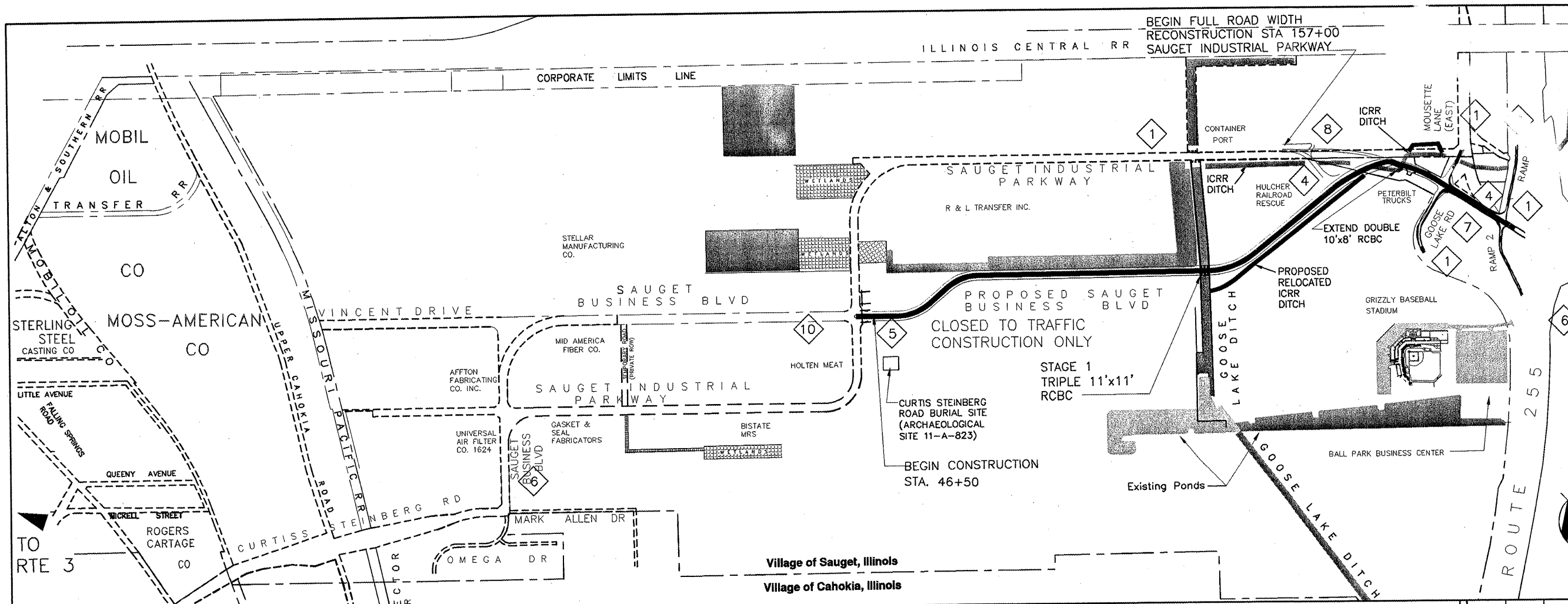
THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.


RICHARD SAUGERT JR., MAYOR DATE 4-1-08

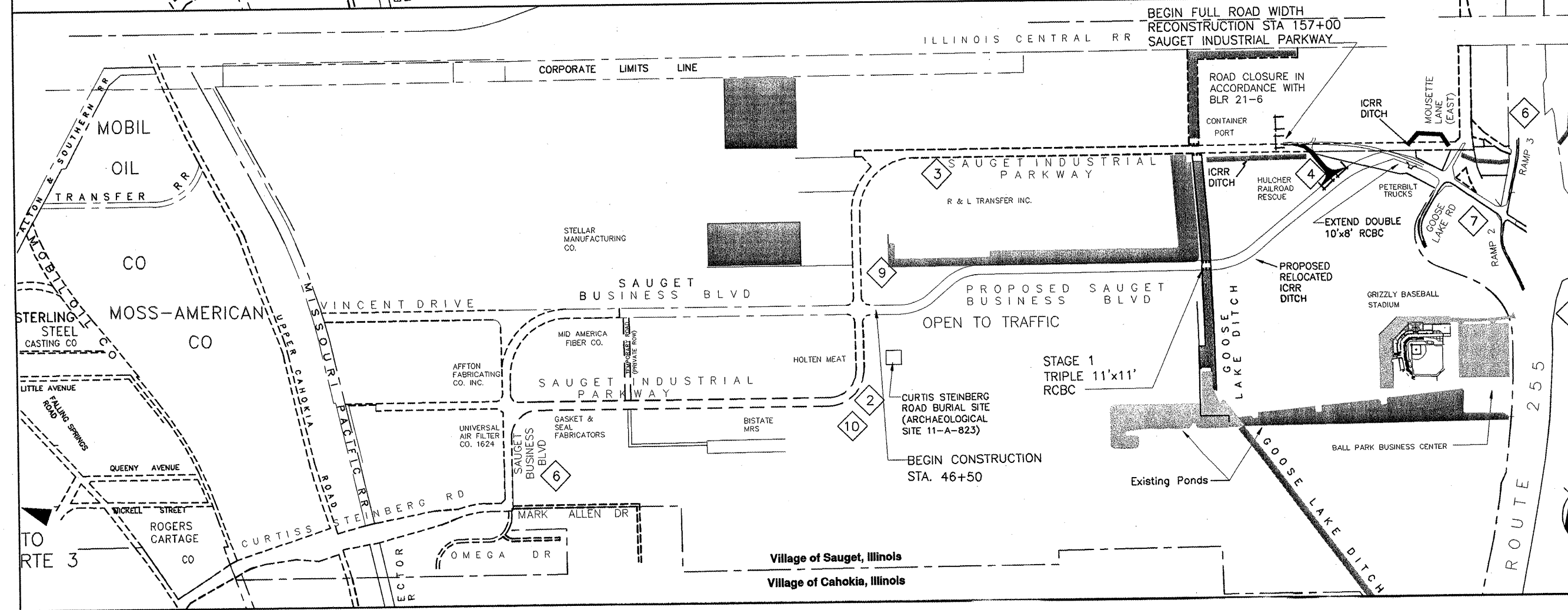
SHEET 37 WITHDRAWN
SEE STORM WATER POLLUTION PREVENTION PLAN (BDE 2342)
IN PROVISIONS

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|-----------|--------|--------------|-----------|
| 98-00008-01-PP | ST. CLAIR | 69 | 38 | |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- 9 | | | | |
| EROSION CONTROL & STAGING PLAN | | | | |
| CONTRACT NO. 97312 | | | | |



- 1 ROAD CONSTRUCTION AHEAD W/ FLASHING LIGHT
- 2 ROAD CLOSED AHEAD
- 3 BARRICADES AHEAD
- 4 TYPE III BARRICADES W/(ROAD CLOSED) SIGN AND TYPE "A" LOW INTENSITY LIGHTS
- 5 TYPE III BARRICADE
- 6 ELECTRIC MESSAGE BOARD (SEE SPEC'S)
- 7 CONE DRUM BARRICADE SEE DETAIL AT INTERSECTION
- 8 SHOULDER WORK AHEAD

STAGE 1-4
NOT TO SCALE



- 1 ROAD CONSTRUCTION AHEAD W/ FLASHING LIGHT
- 2 ROAD CLOSED AHEAD
- 3 BARRICADES AHEAD
- 4 TYPE III BARRICADES W/(ROAD CLOSED) SIGN AND TYPE "A" LOW INTENSITY LIGHTS
- 5 TYPE III BARRICADE
- 6 ELECTRIC MESSAGE BOARD (SEE SPEC'S)
- 7 CONE DRUM BARRICADE SEE DETAIL AT INTERSECTION
- 8 SHOULDER WORK AHEAD
- 9 ROAD CLOSED LOCAL TRAFFIC ONLY
- 10 ROAD CLOSED AHEAD USE ALTERNATE ROUTE

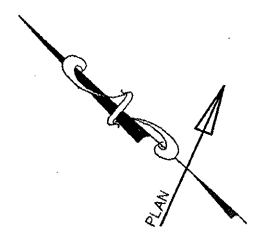
STAGE 5-7
NOT TO SCALE

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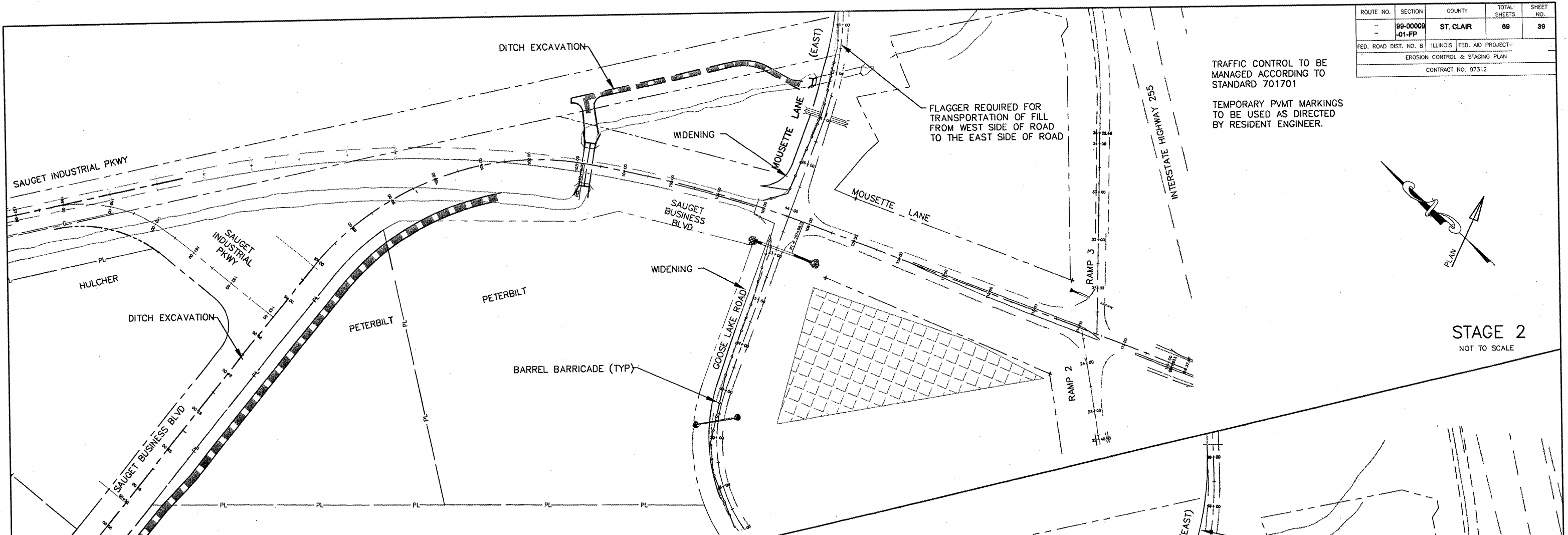
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|-----------|--------------|-----------|
| 99-00009 | -01-FP | ST. CLAIR | 69 | 39 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT - | | | | |
| EROSION CONTROL & STAGING PLAN | | | | |
| CONTRACT NO. 97312 | | | | |

TRAFFIC CONTROL TO BE MANAGED ACCORDING TO STANDARD 701701

TEMPORARY PVMT MARKINGS TO BE USED AS DIRECTED BY RESIDENT ENGINEER.



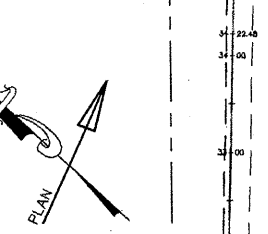
STAGE 2
NOT TO SCALE



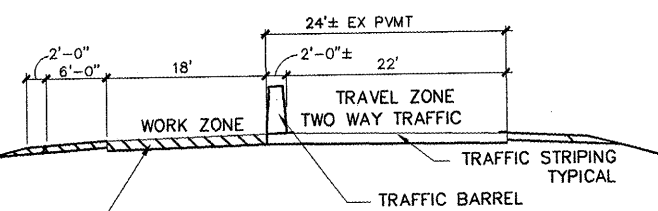
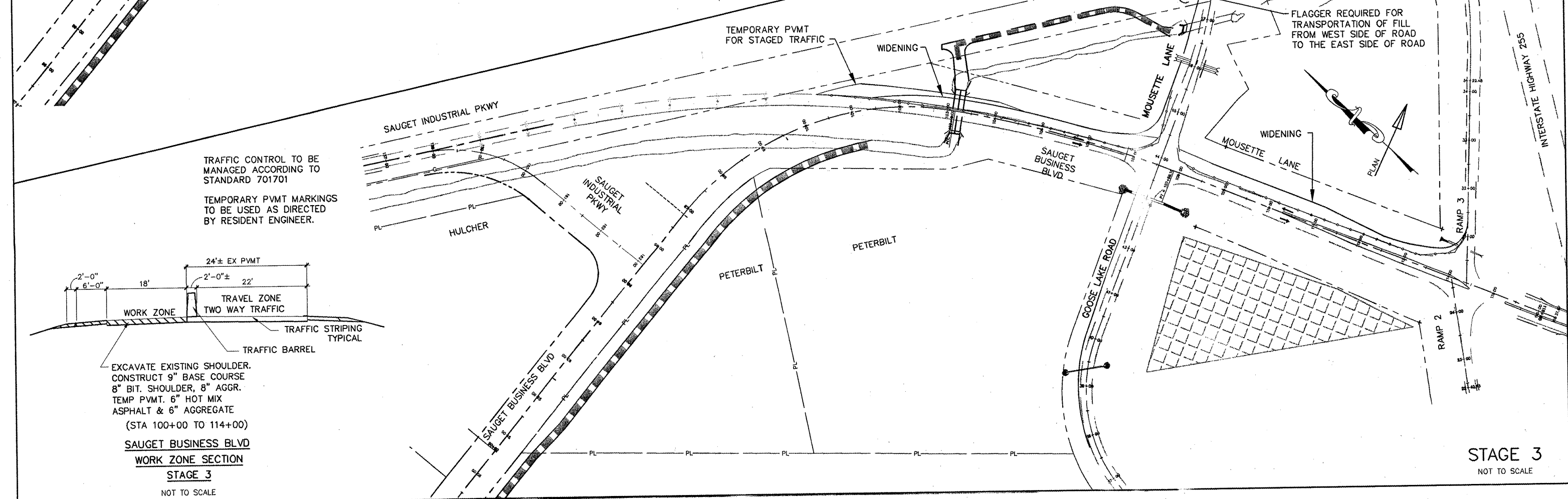
TRAFFIC CONTROL TO BE MANAGED ACCORDING TO STANDARD 701701

TEMPORARY PVMT MARKINGS TO BE USED AS DIRECTED BY RESIDENT ENGINEER.

FLAGGER REQUIRED FOR TRANSPORTATION OF FILL FROM WEST SIDE OF ROAD TO THE EAST SIDE OF ROAD



STAGE 3
NOT TO SCALE

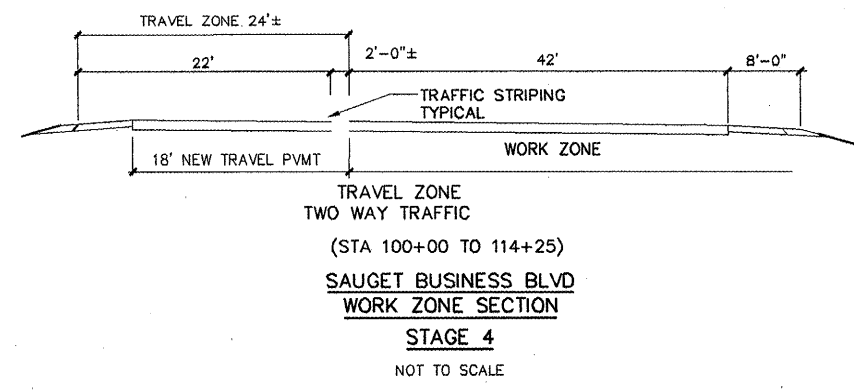
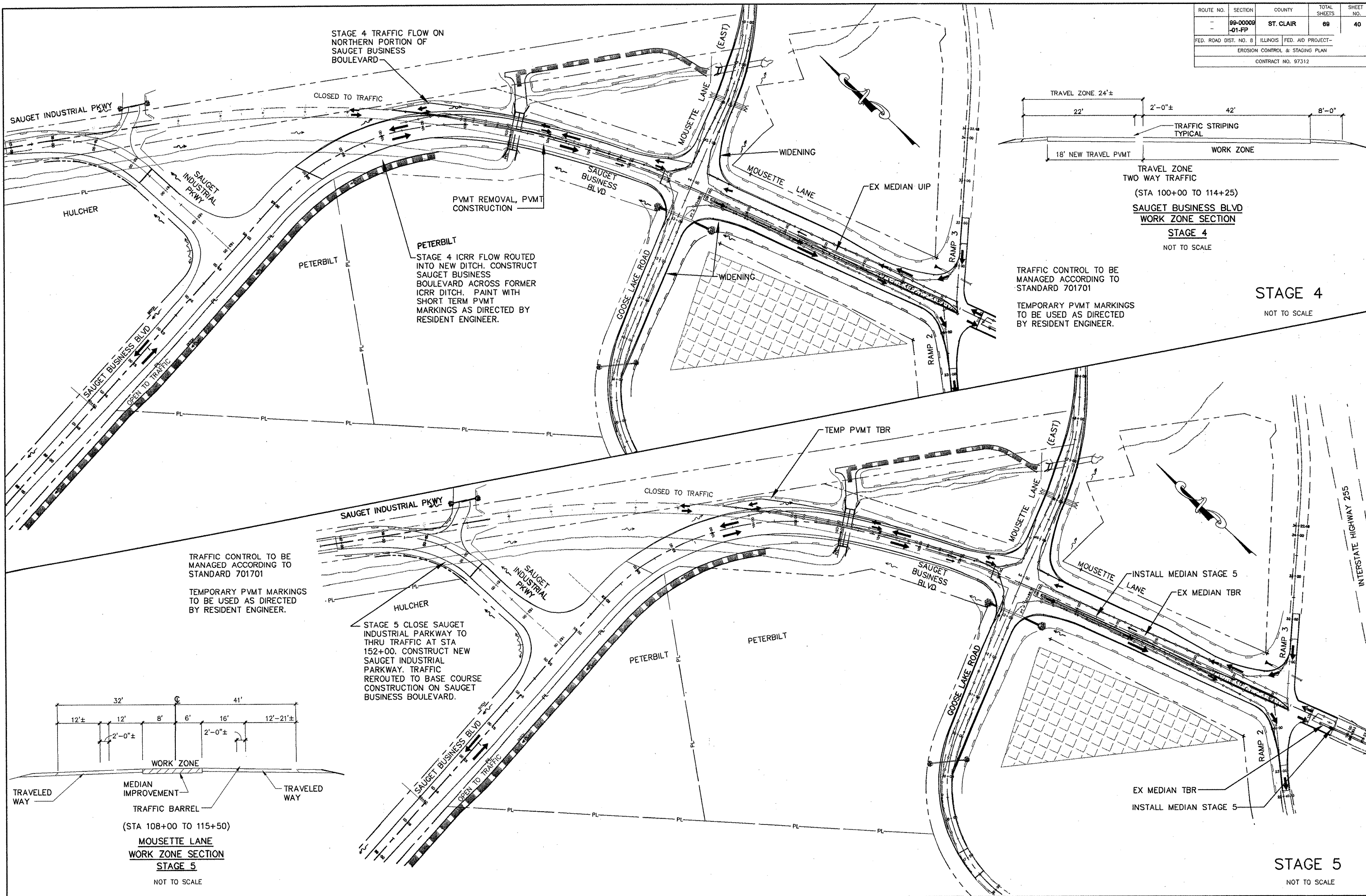


EXCAVATE EXISTING SHOULDER. CONSTRUCT 9" BASE COURSE 8" BIT. SHOULDER, 8" AGGR. TEMP PVMT. 6" HOT MIX ASPHALT & 6" AGGREGATE

(STA 100+00 TO 114+00)
SAUGET BUSINESS BLVD
WORK ZONE SECTION
STAGE 3
NOT TO SCALE

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| | | | | |
|--|--------------------|-----------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| - | 99-00009 -01-PP | ST. CLAIR | 89 | 40 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- | | | | |
| EROSION CONTROL & STAGING PLAN | | | | |
| CONTRACT NO. 97312 | | | | |



TRAFFIC CONTROL TO BE MANAGED ACCORDING TO STANDARD 701701

TEMPORARY PVMT MARKINGS TO BE USED AS DIRECTED BY RESIDENT ENGINEER.

STAGE 4
NOT TO SCALE

TRAFFIC CONTROL TO BE MANAGED ACCORDING TO STANDARD 701701

TEMPORARY PVMT MARKINGS TO BE USED AS DIRECTED BY RESIDENT ENGINEER.

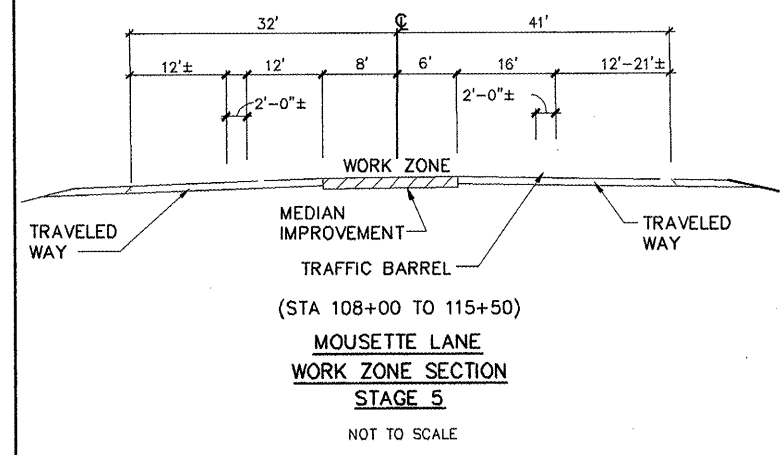
STAGE 5 CLOSE SAUGET INDUSTRIAL PARKWAY TO THRU TRAFFIC AT STA 152+00. CONSTRUCT NEW SAUGET INDUSTRIAL PARKWAY. TRAFFIC REROUTED TO BASE COURSE CONSTRUCTION ON SAUGET BUSINESS BOULEVARD.

INSTALL MEDIAN STAGE 5

EX MEDIAN TBR

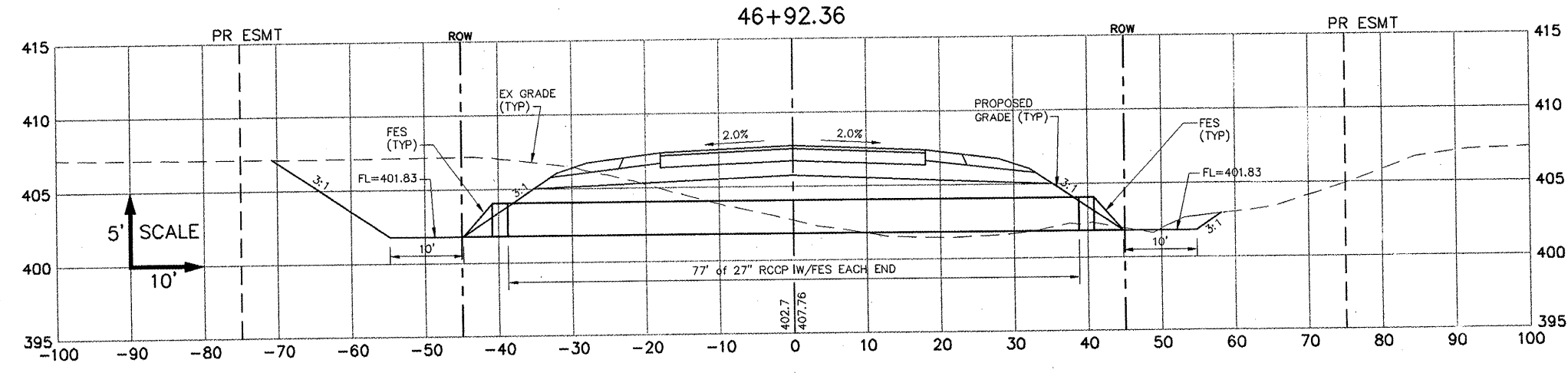
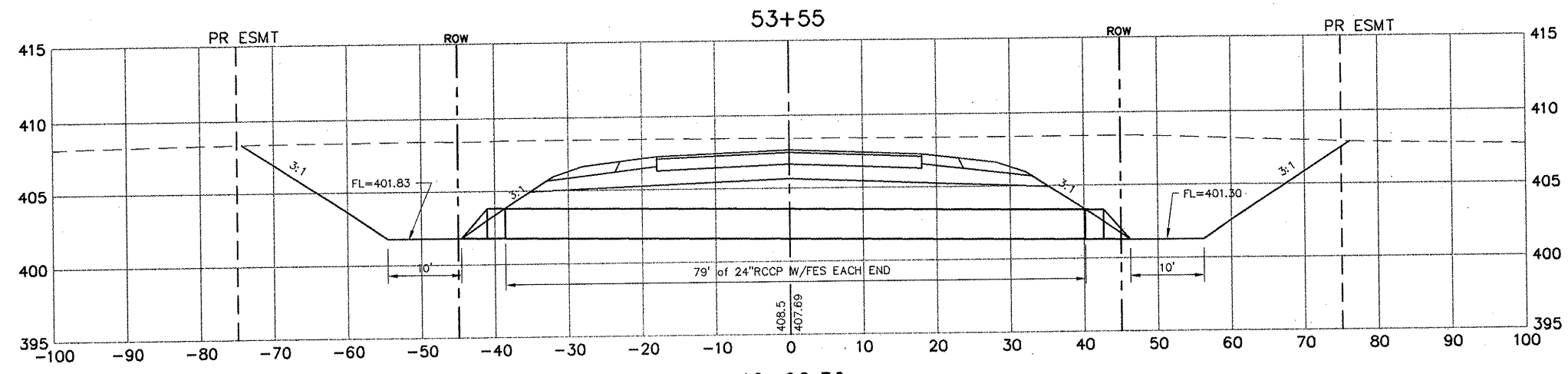
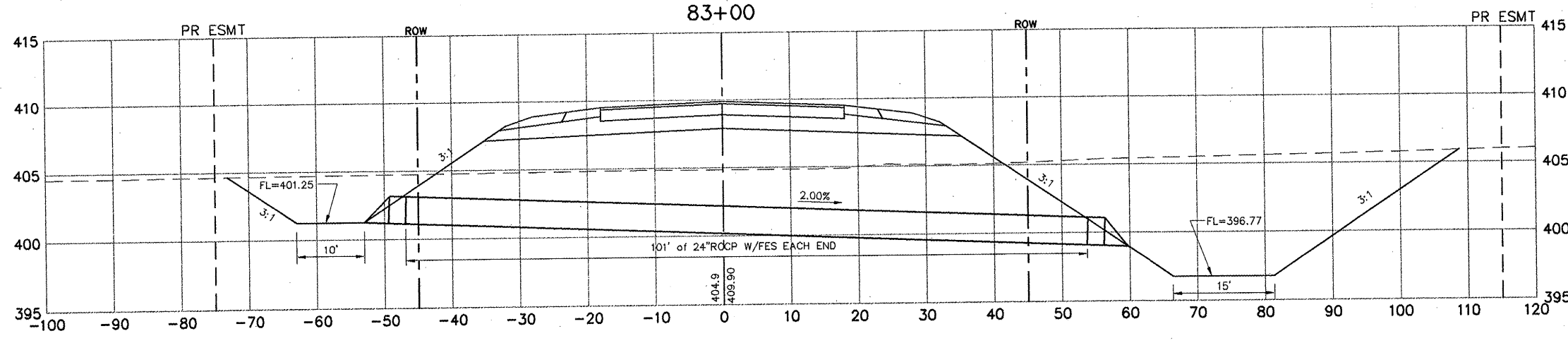
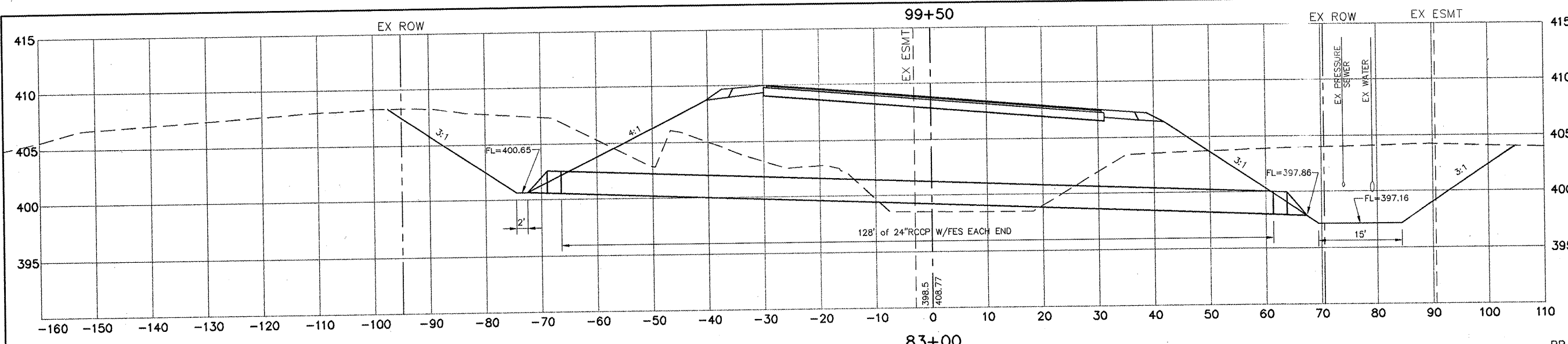
INSTALL MEDIAN STAGE 5

STAGE 5
NOT TO SCALE



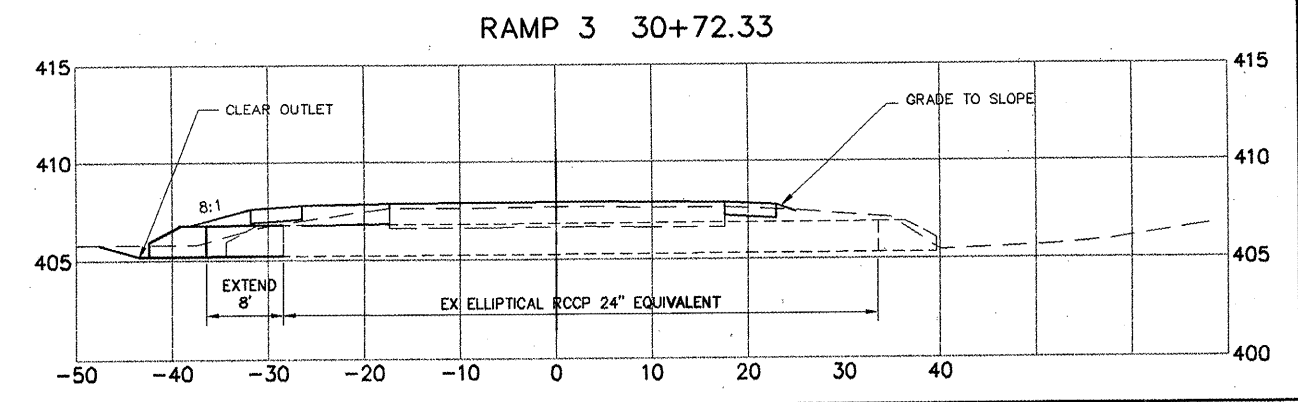
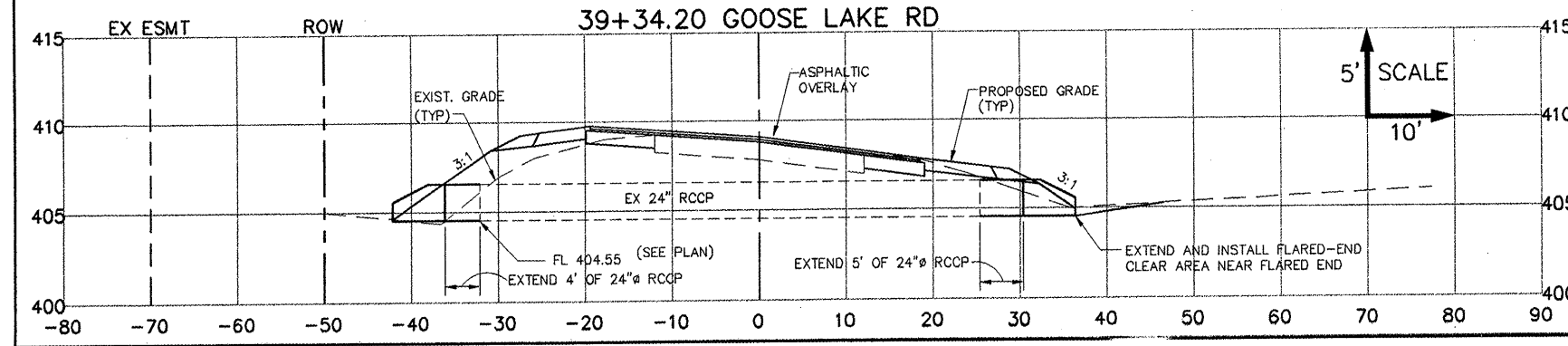
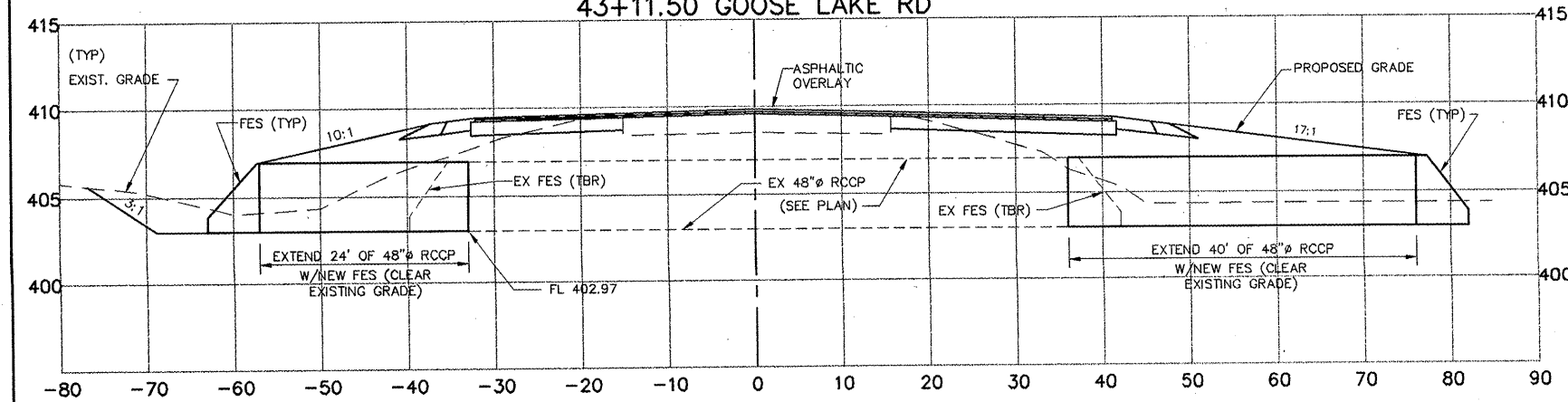
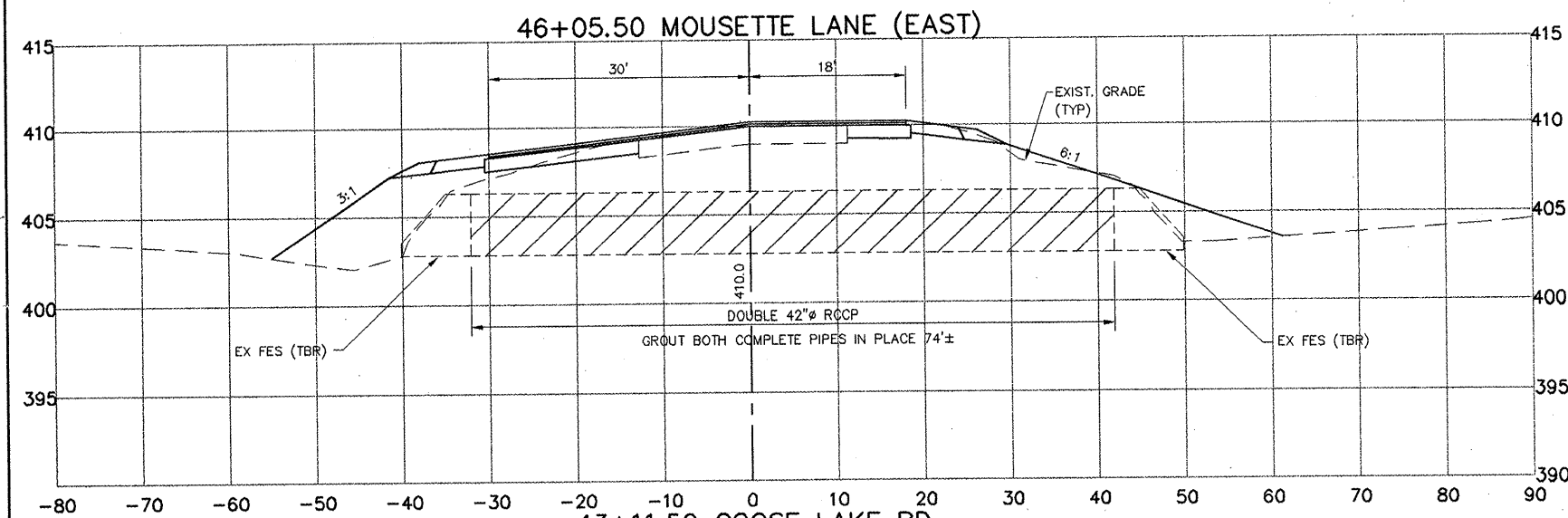
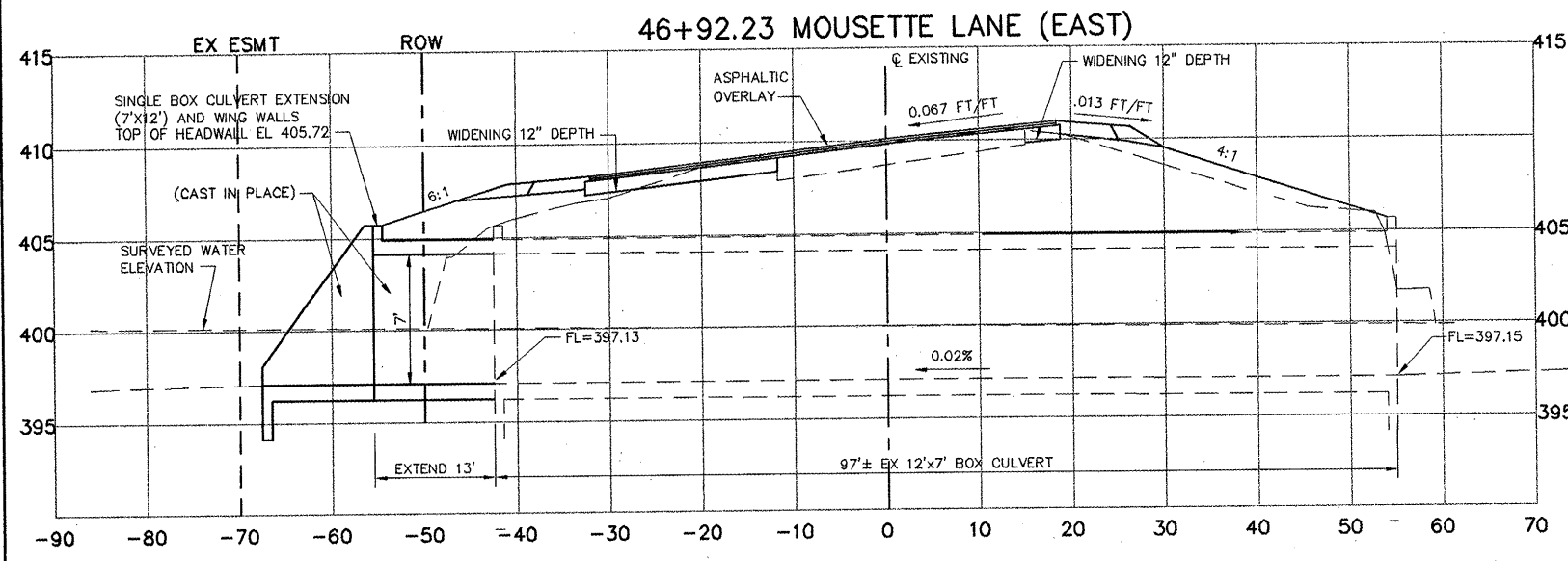
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|---------|-----------|--------------|-----------|
| 99-00009 | -01-FP | ST. CLAIR | 69 | 41 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- 9 | | | | |
| CULVERT CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |

SAUGET BUSINESS BOULEVARD



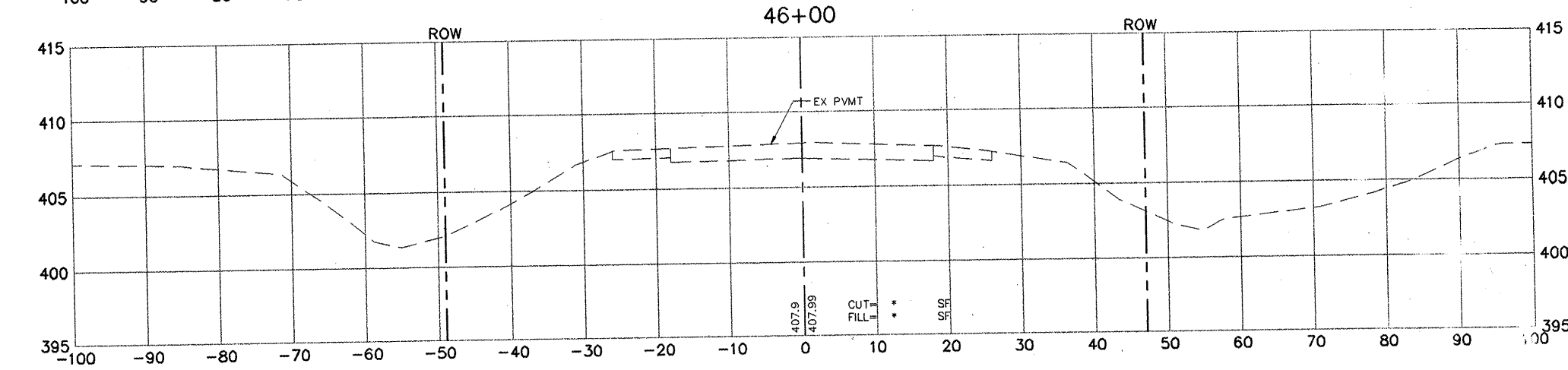
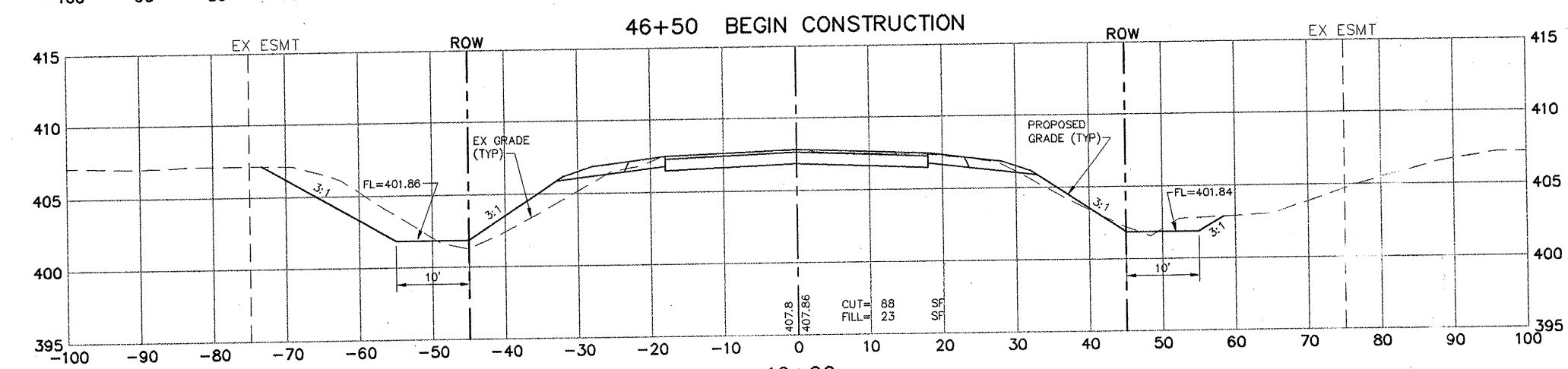
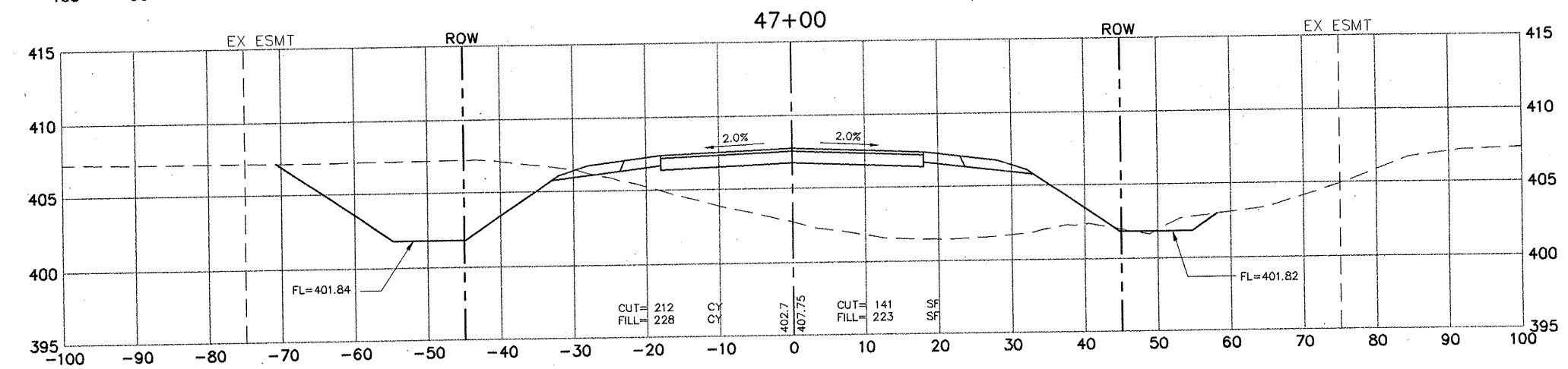
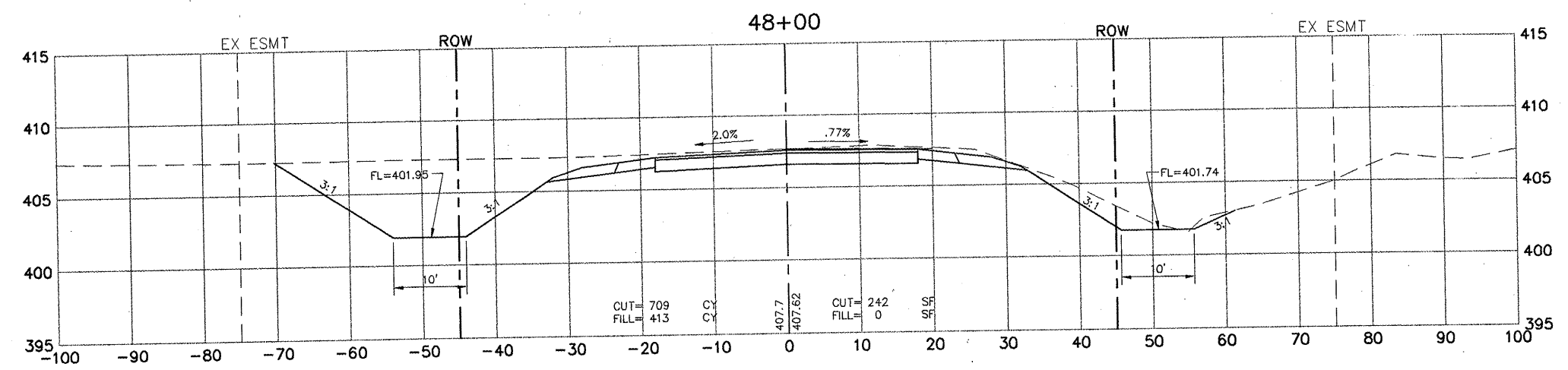
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|----------------|-----------|-------------------|-----------|
| - | 99-00009-01-FP | ST. CLAIR | 69 | 42 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT- | |
| CULVERT CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |

MOUSETTE LANE (EAST) &
GOOSE LAKE ROAD &
RAMP #3



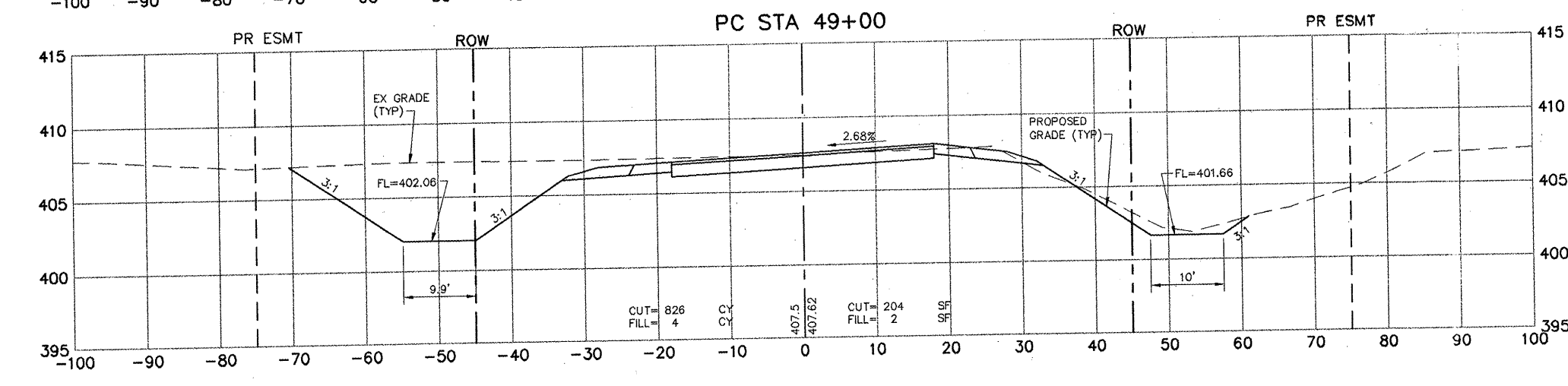
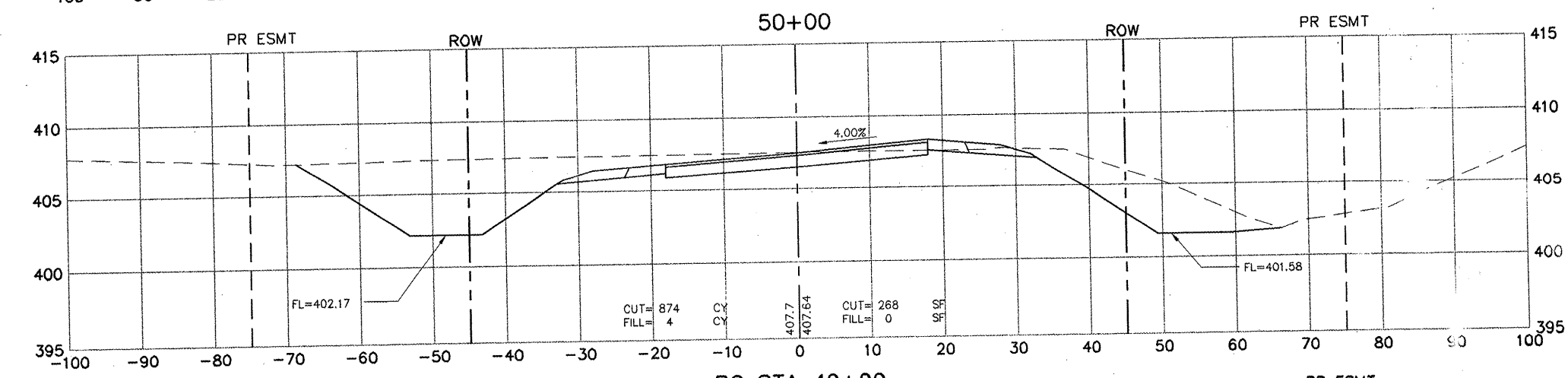
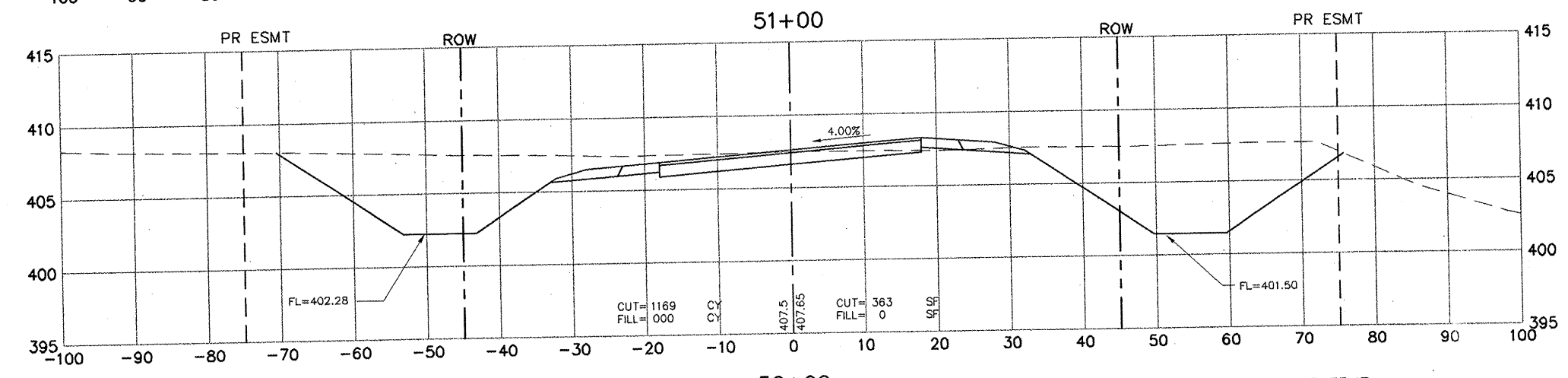
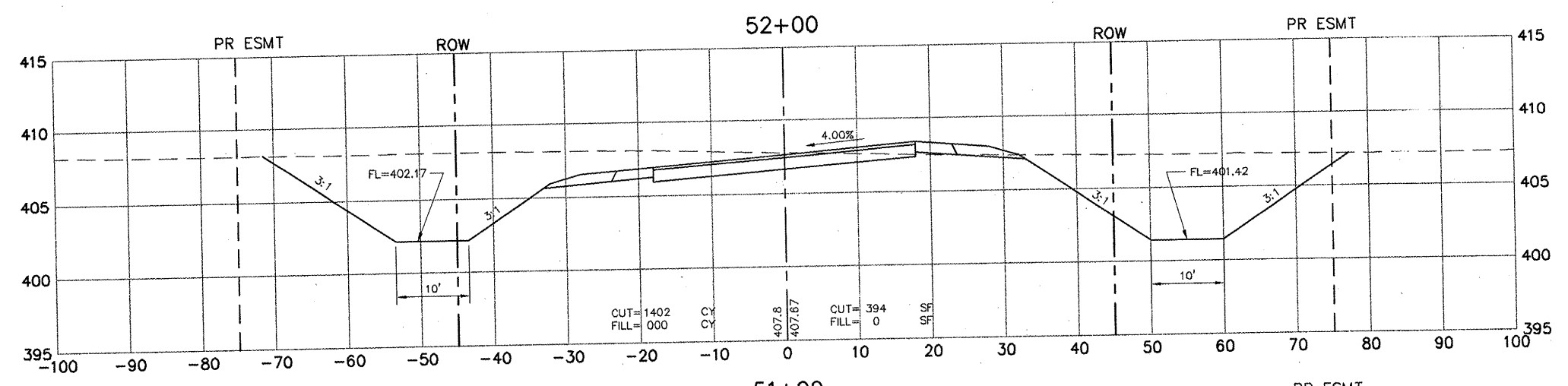
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| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|----------------|---|--------------|-----------|
| - | 69-00009-01-FP | ST. CLAIR | 69 | 43 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS FED. AID PROJECT - CROSS SECTION | | |
| CONTRACT NO. 97312 | | | | |



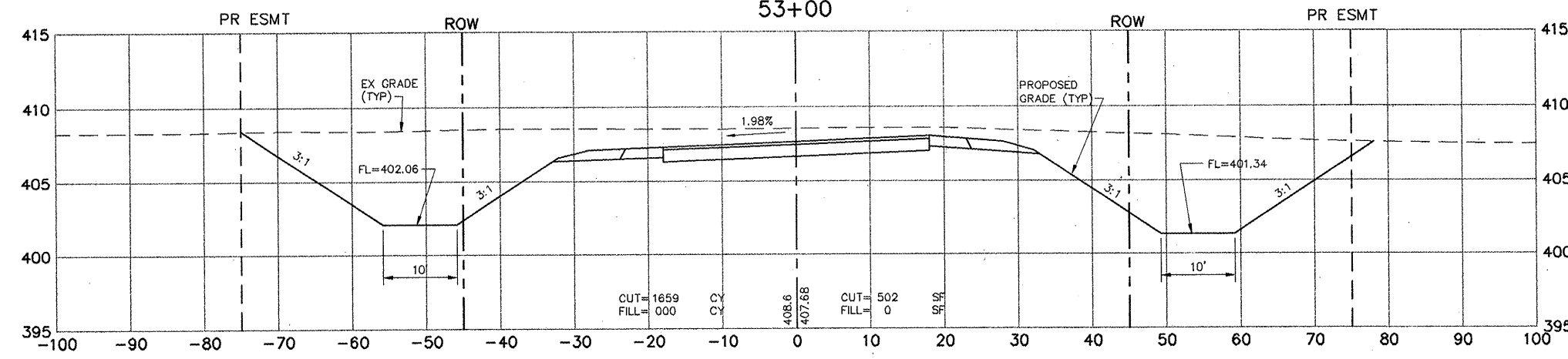
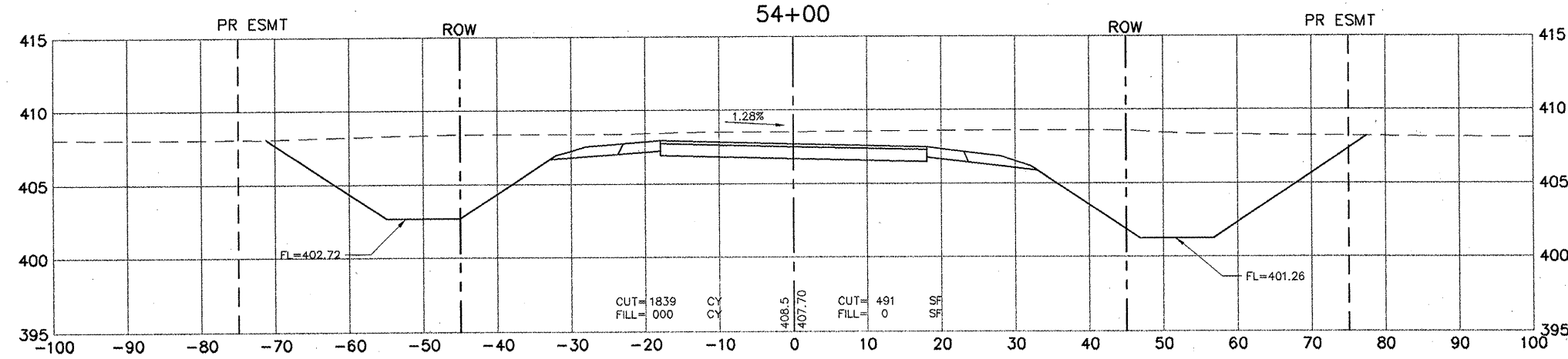
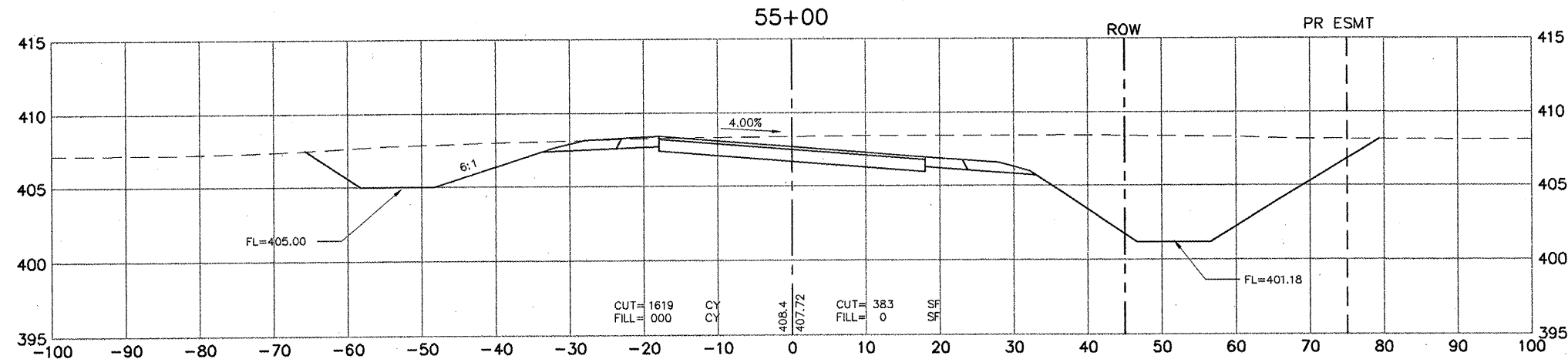
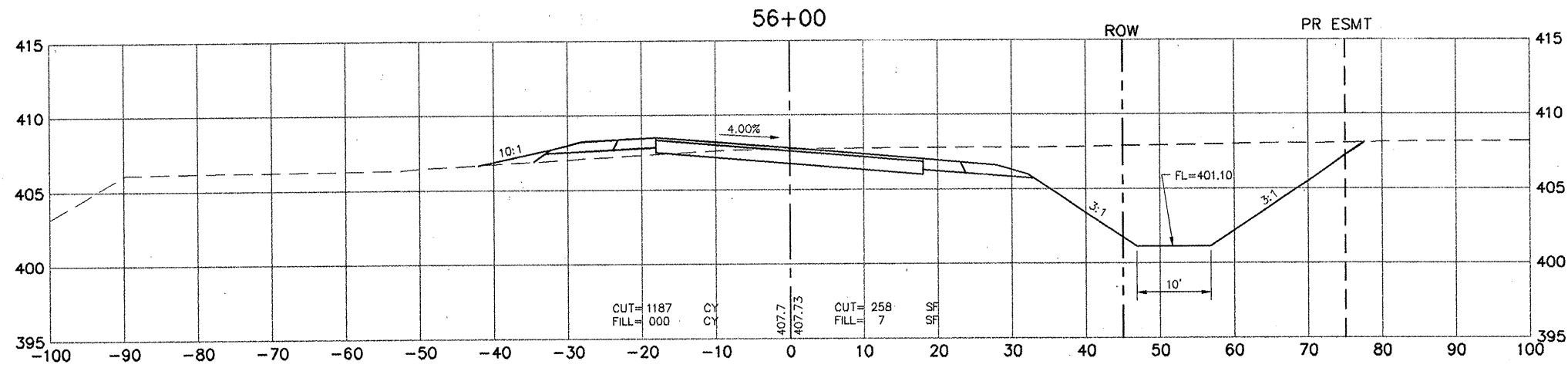
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|-----------------------|--------------------|-----------|--------------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| - | 99-00009 -01-PP | ST. CLAIR | 69 | 44 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT-- | |
| CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |



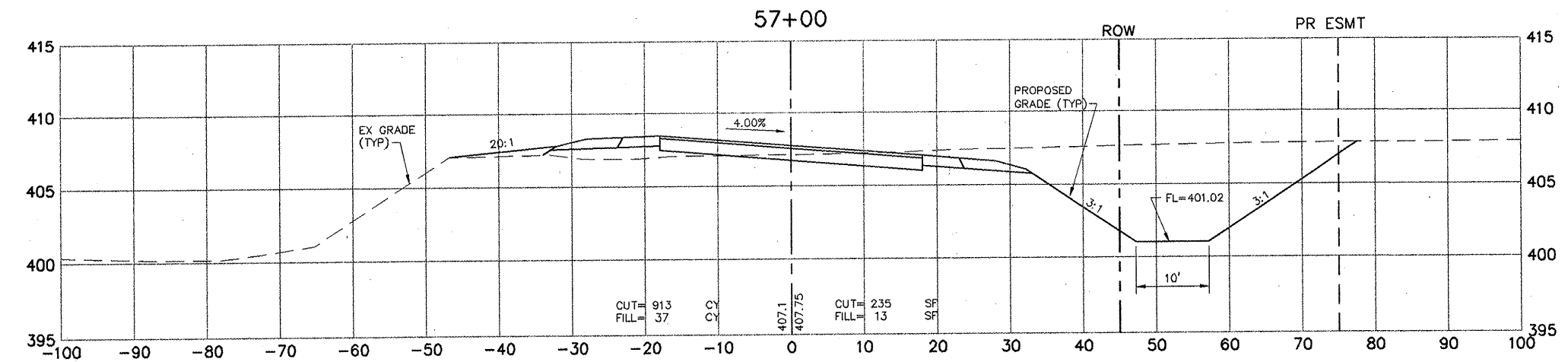
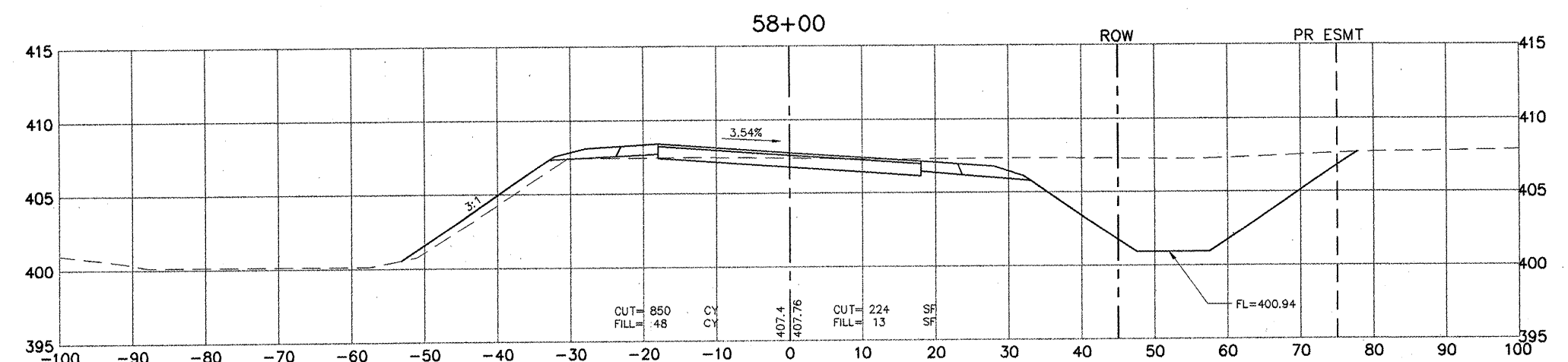
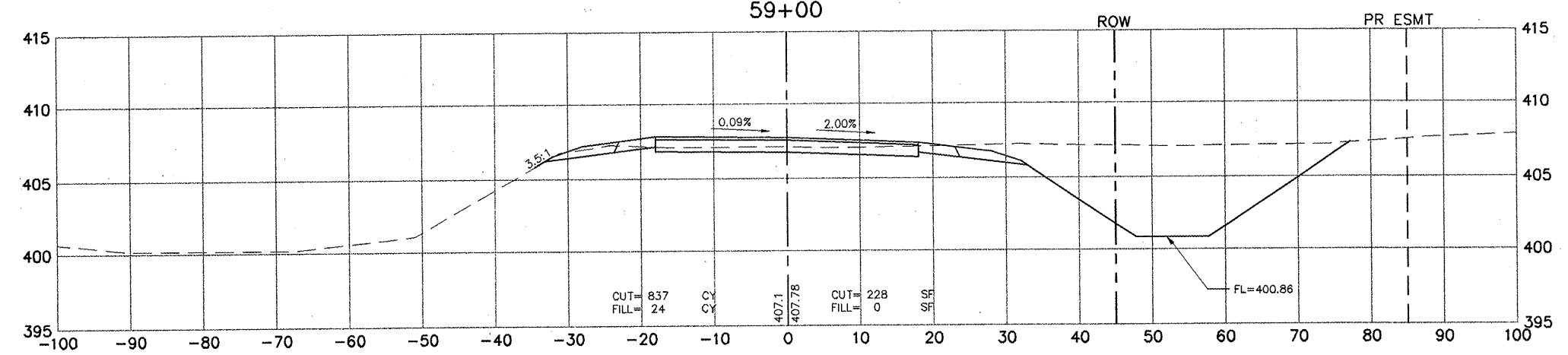
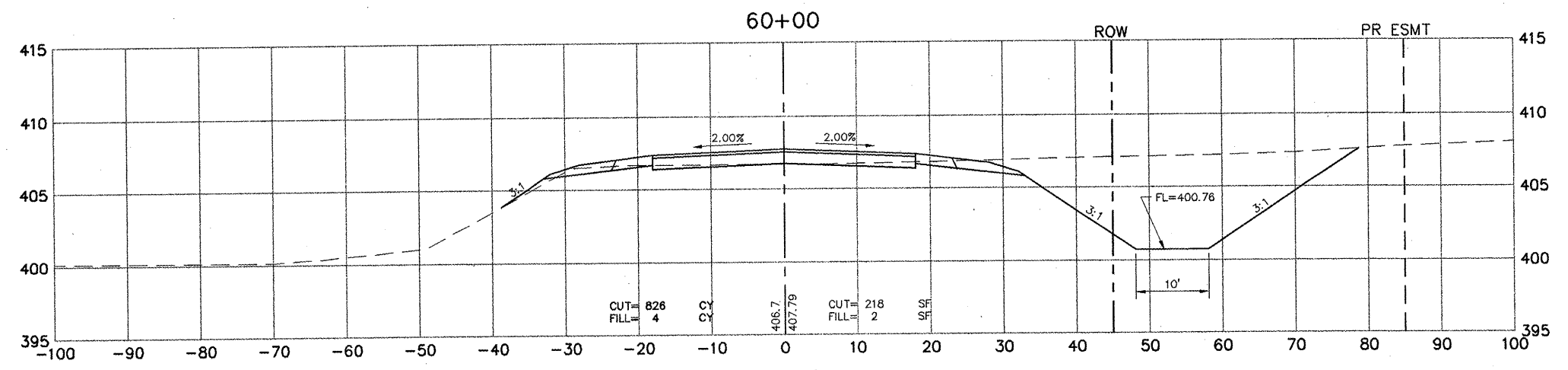
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| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|---------|-----------|-------------------|-----------|
| 99-00006 | -01-FP | ST. CLAIR | 69 | 45 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT- | .7 |
| CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |

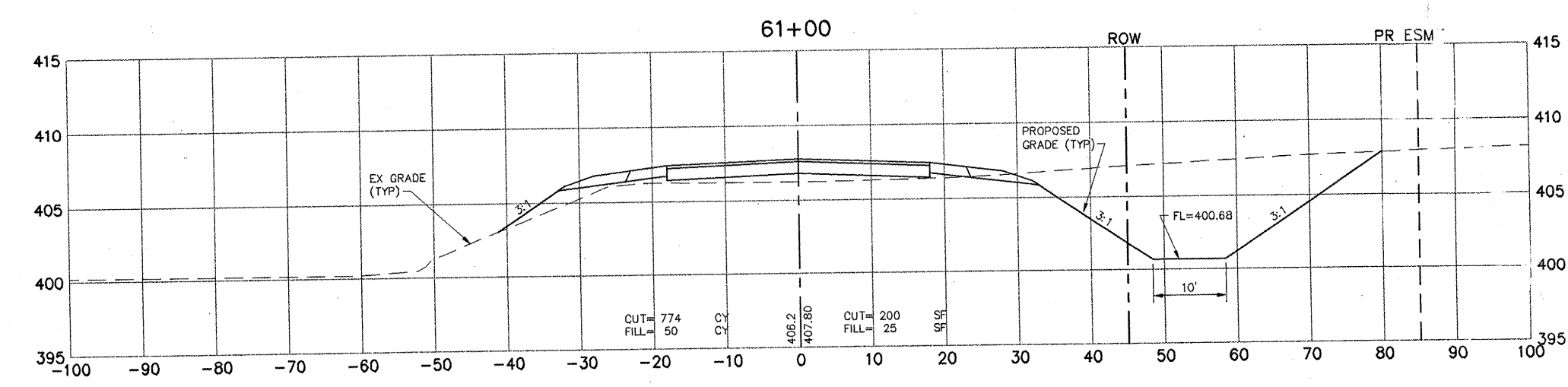
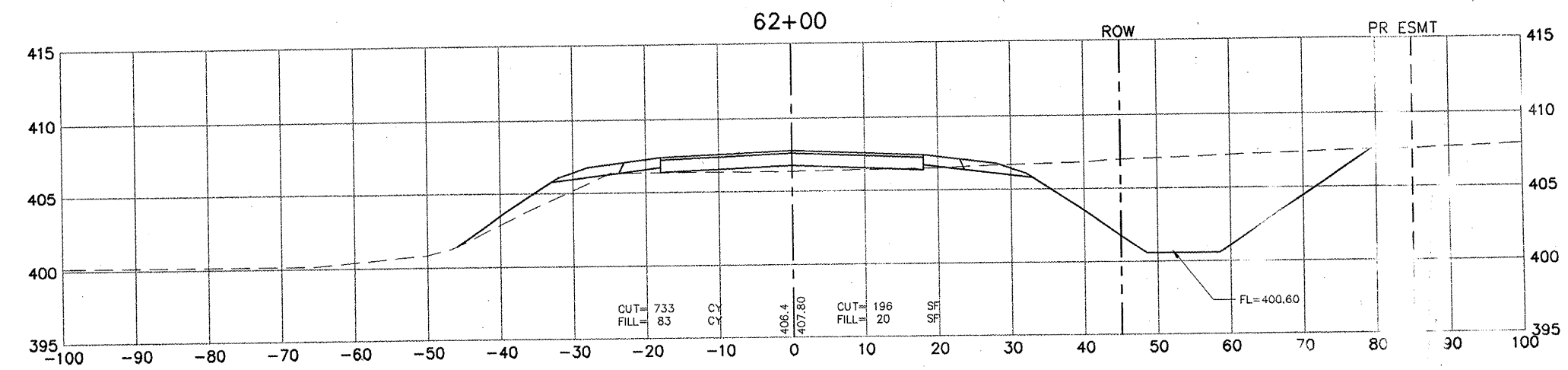
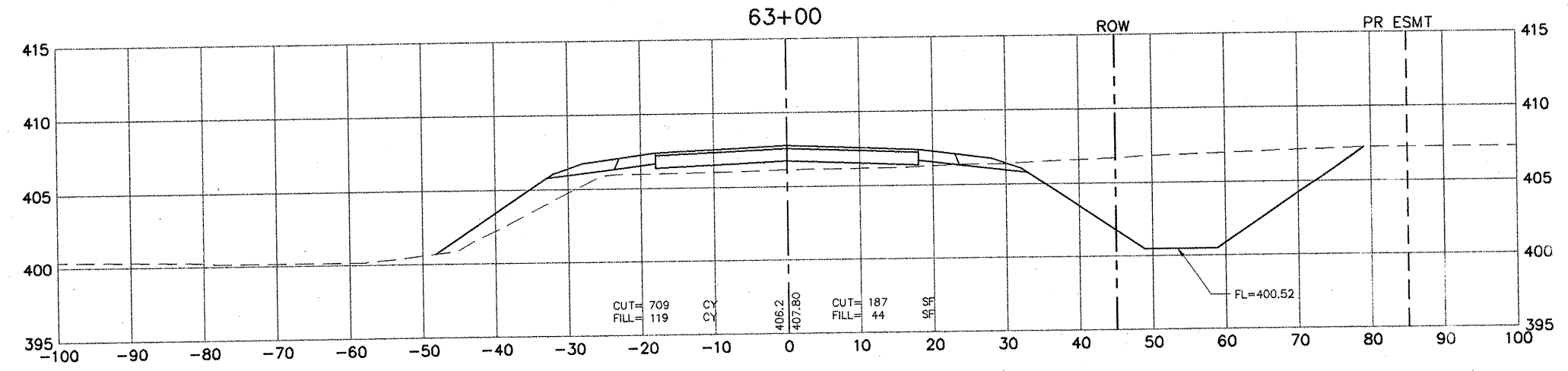
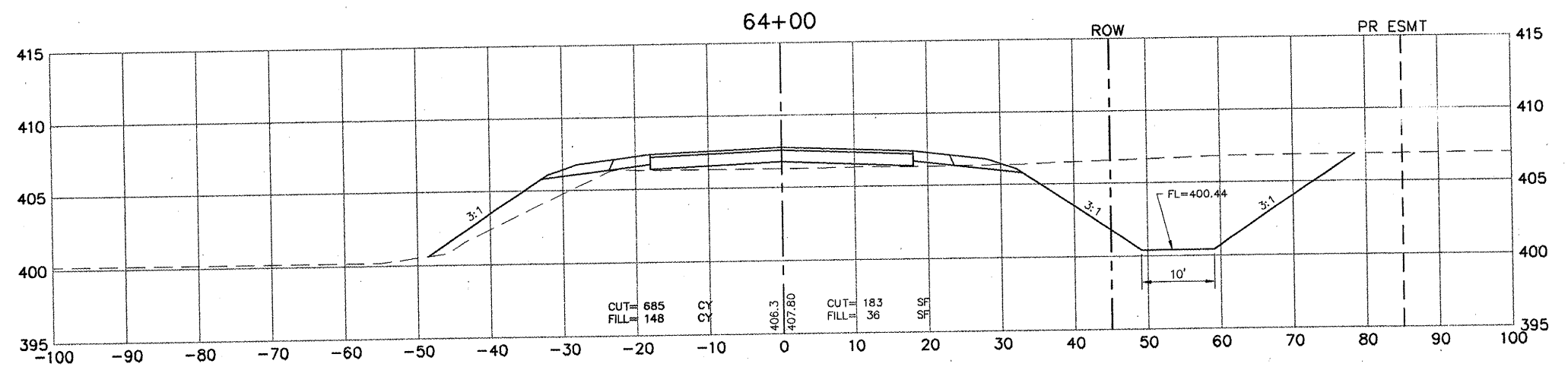


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| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|-----------|--------------|-----------|
| 99-00009-01-FP | | ST. CLAIR | 69 | 46 |
| ILLINOIS FED. AID PROJECT - CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |

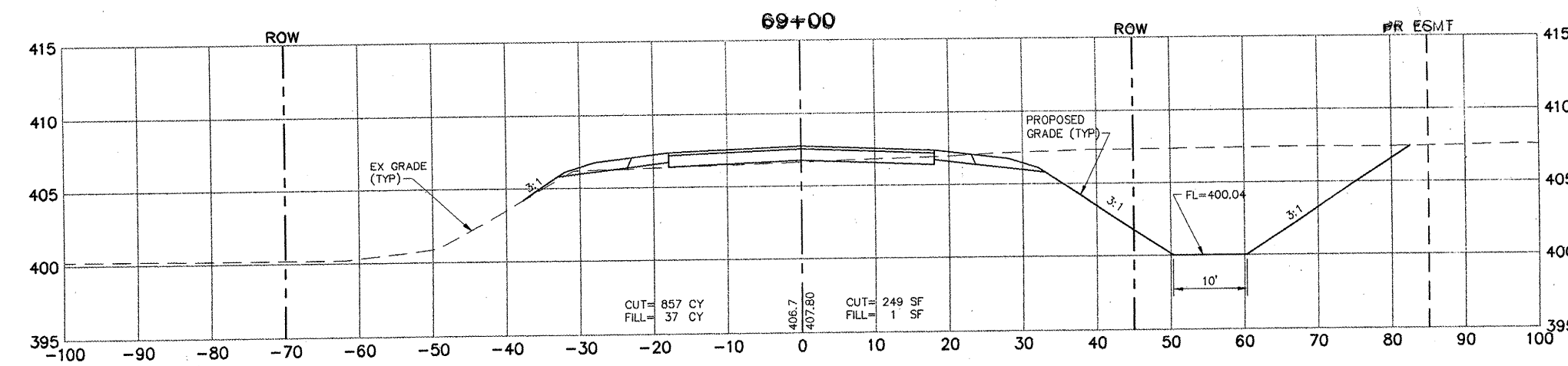
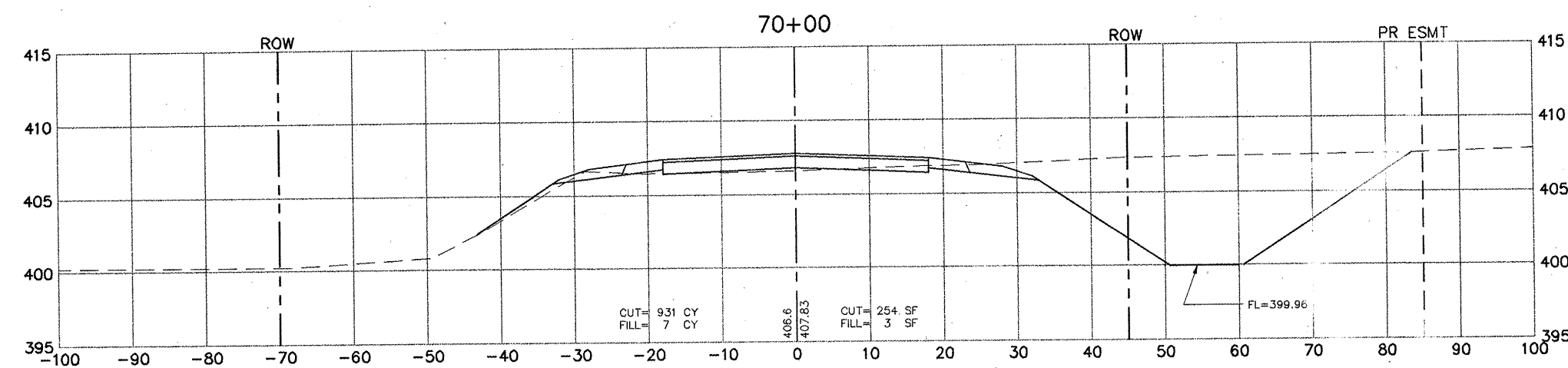
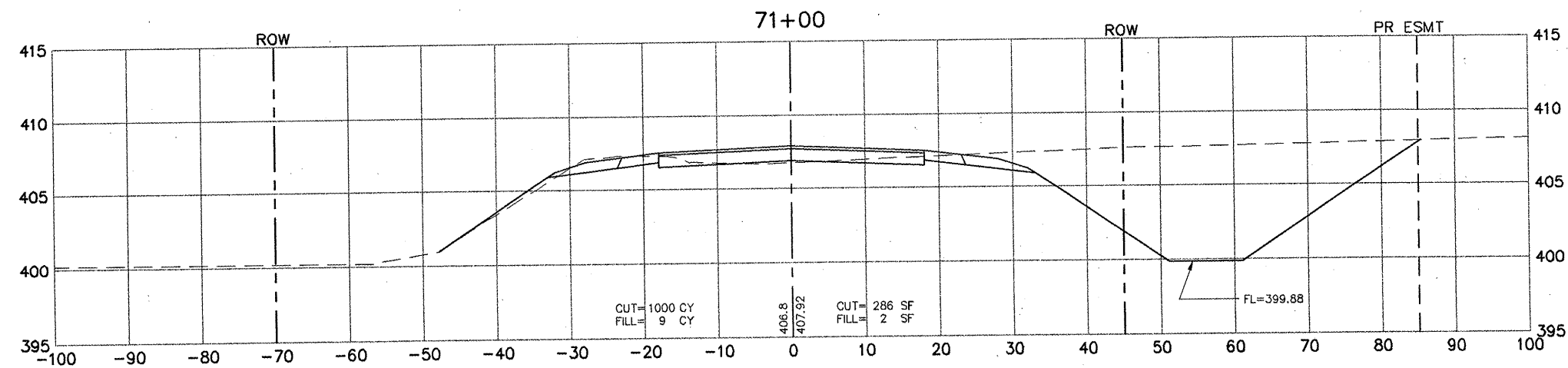
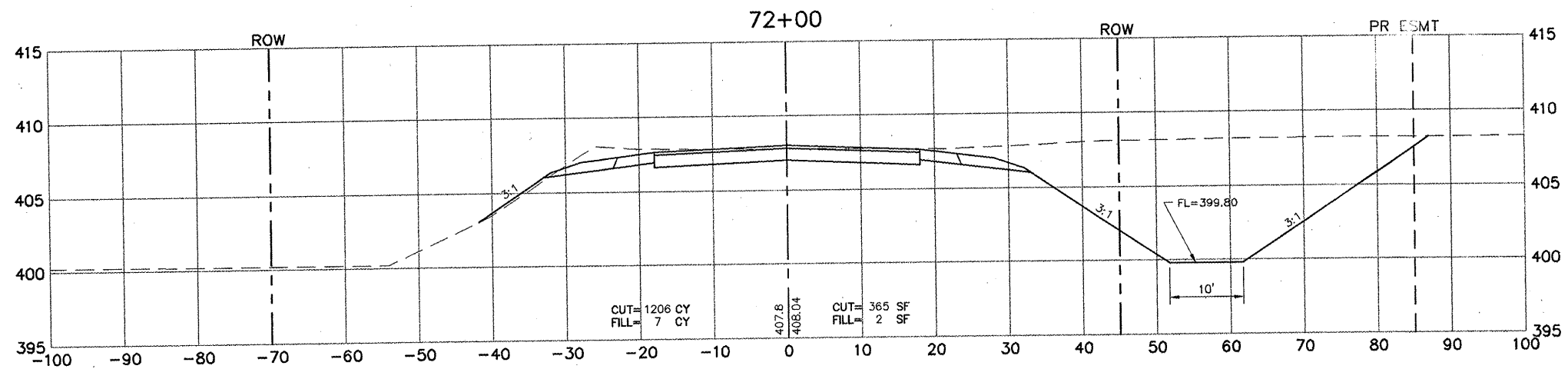


| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|----------------|-----------|-------------------|-----------|
| - | 68-00009-01-PP | ST. CLAIR | 69 | 47 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT- | |
| CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |

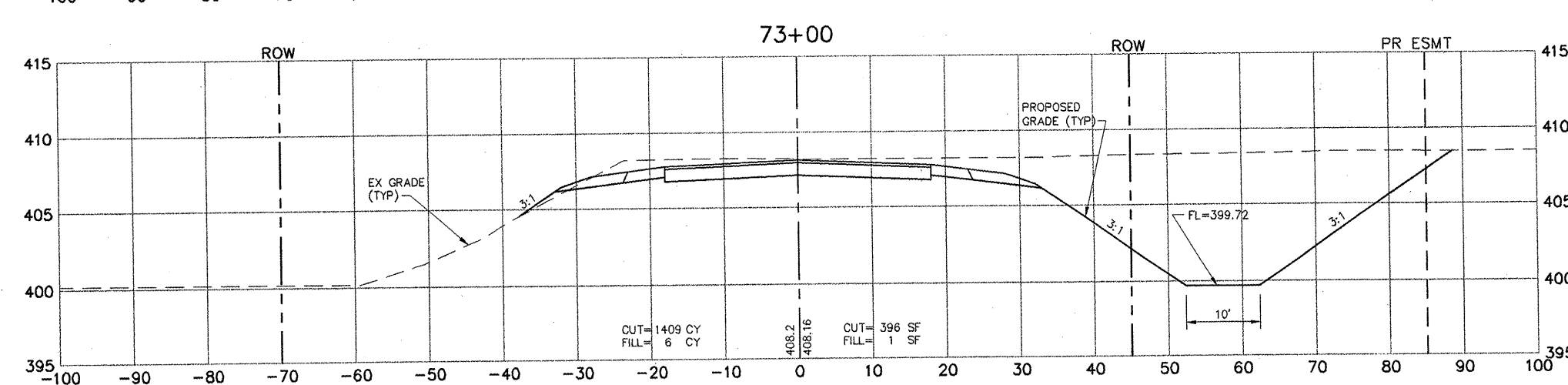
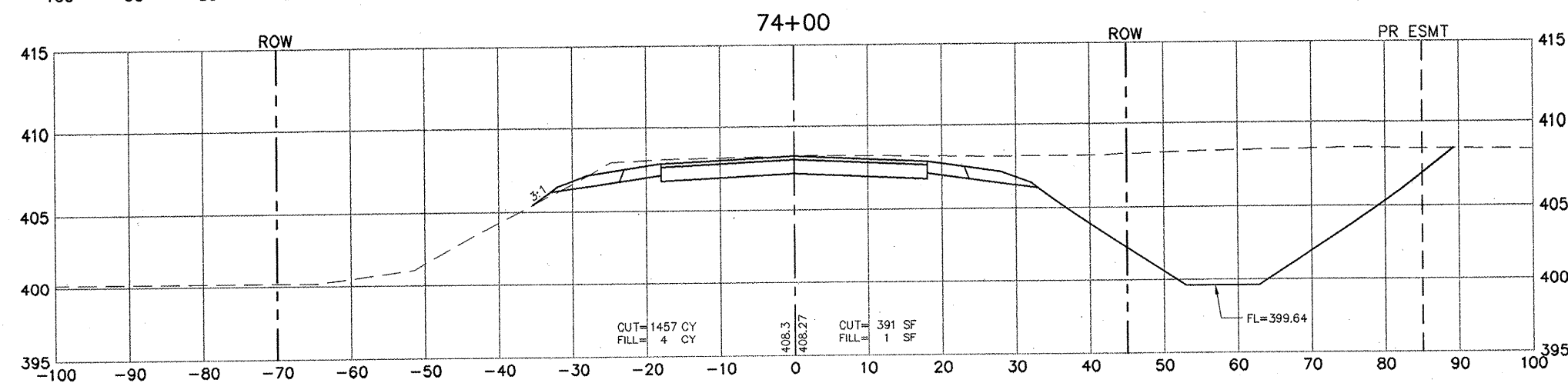
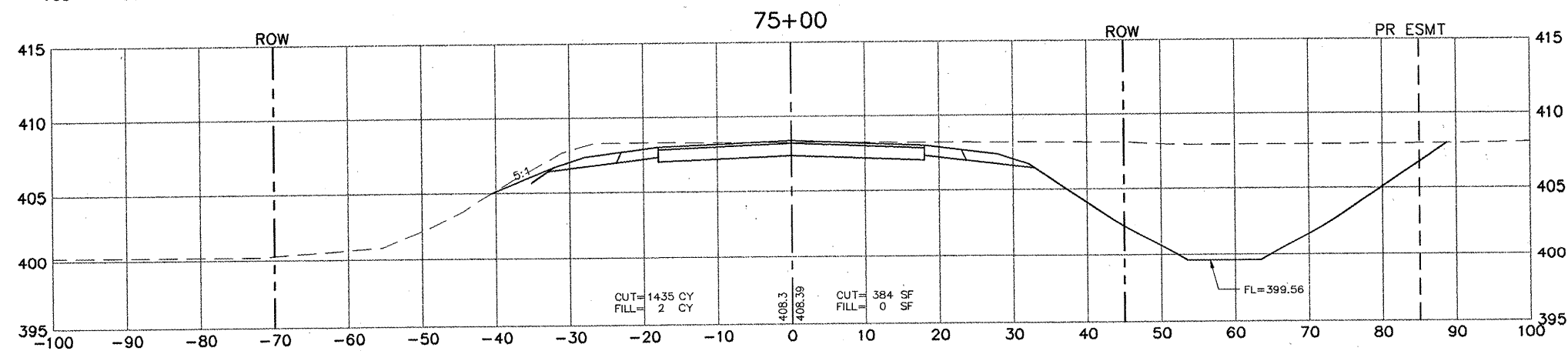
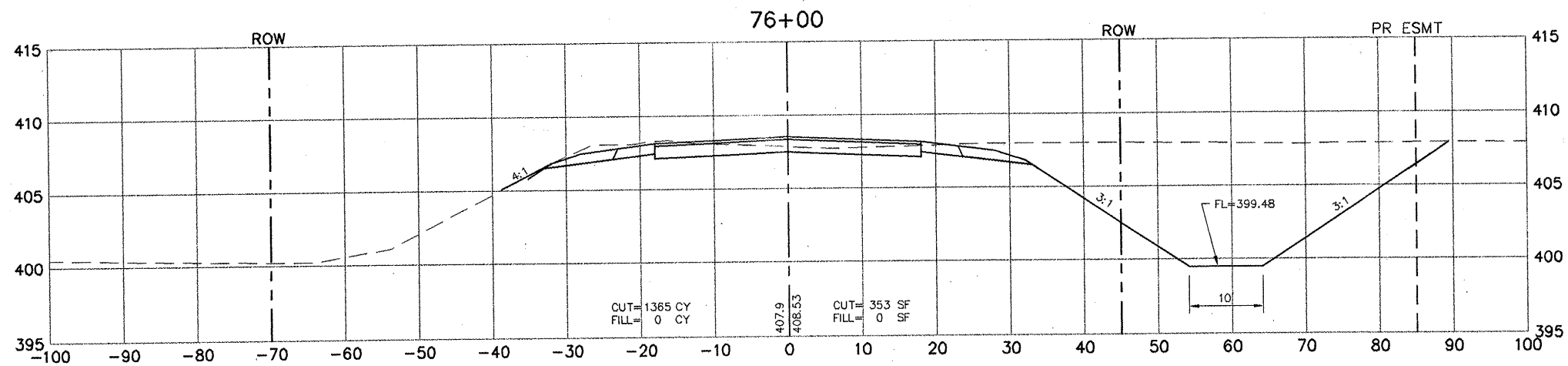


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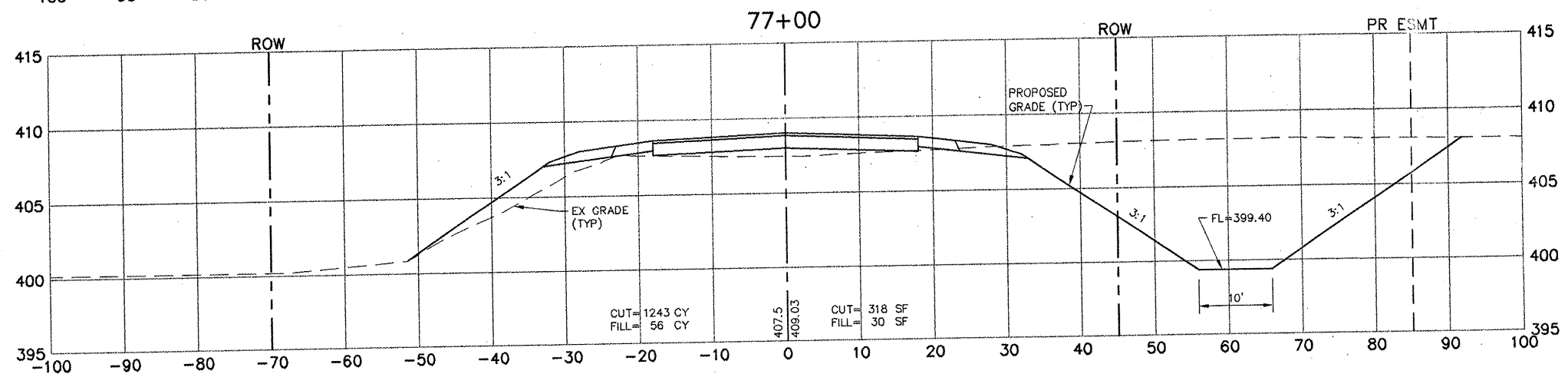
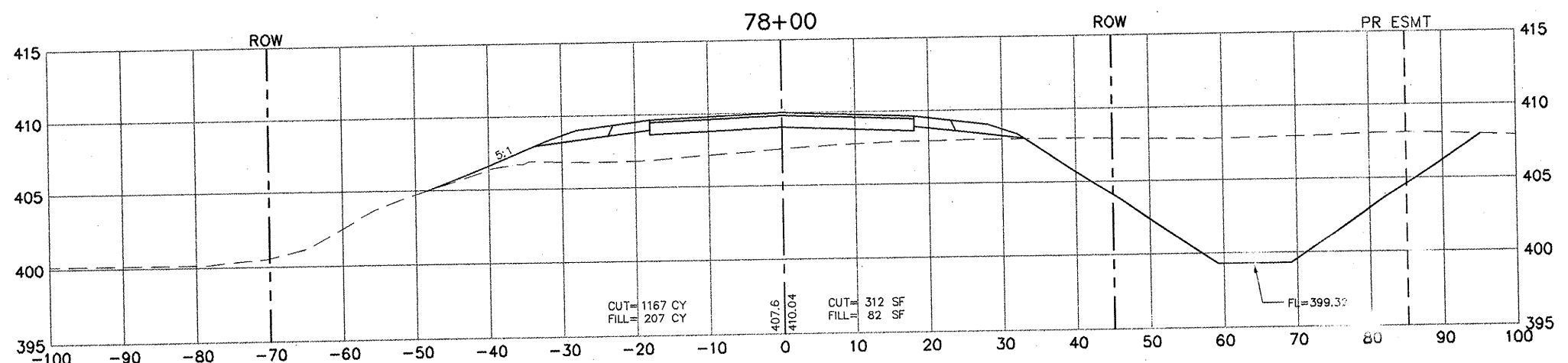
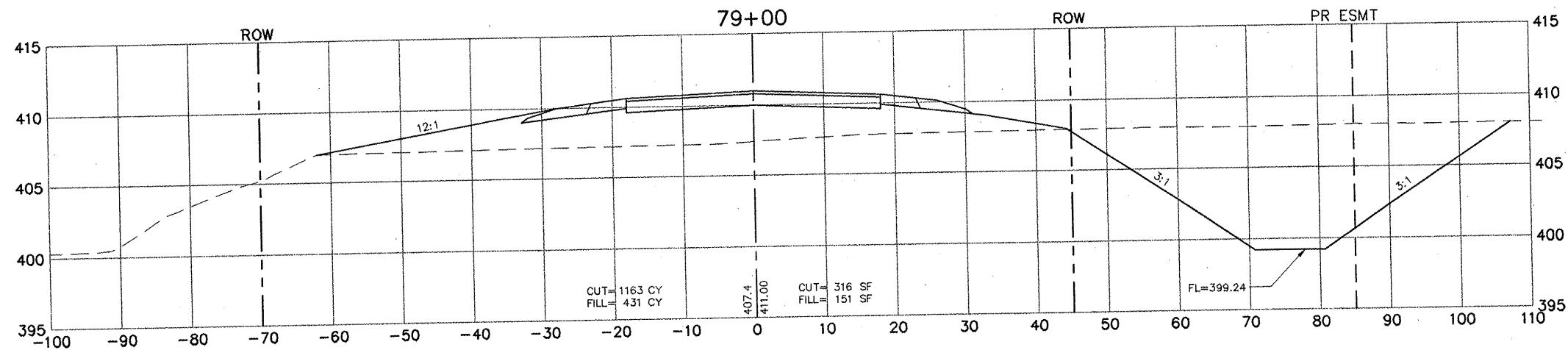
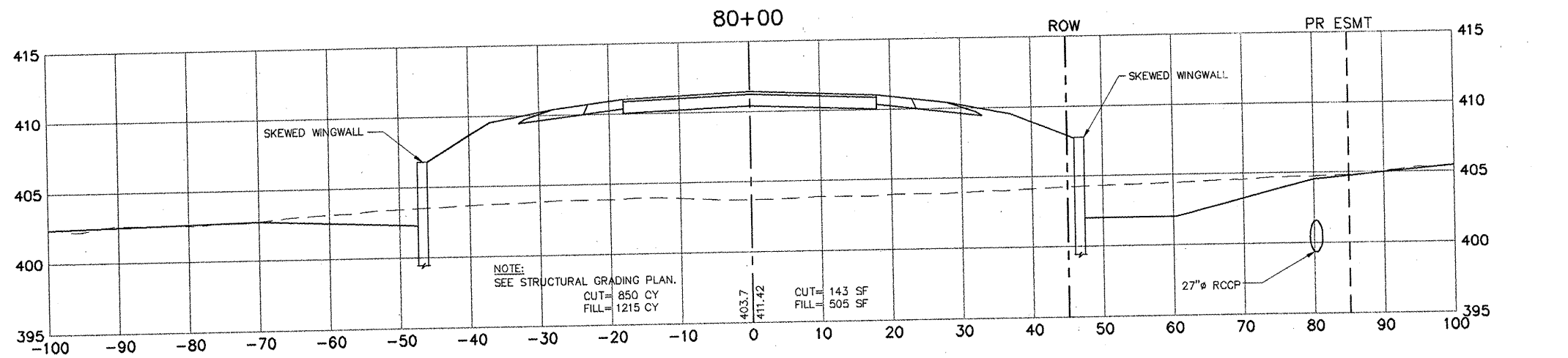
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|--------------------|-----------|-------------------|-----------|
| - | 99-00009 -01-PP | ST. CLAIR | 69 | 49 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT- | |
| CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |



| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|--------------------|-----------|------------------|-----------|
| - | 99-00000 -01-PP | ST. CLAIR | 69 | 50 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT | |
| CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |

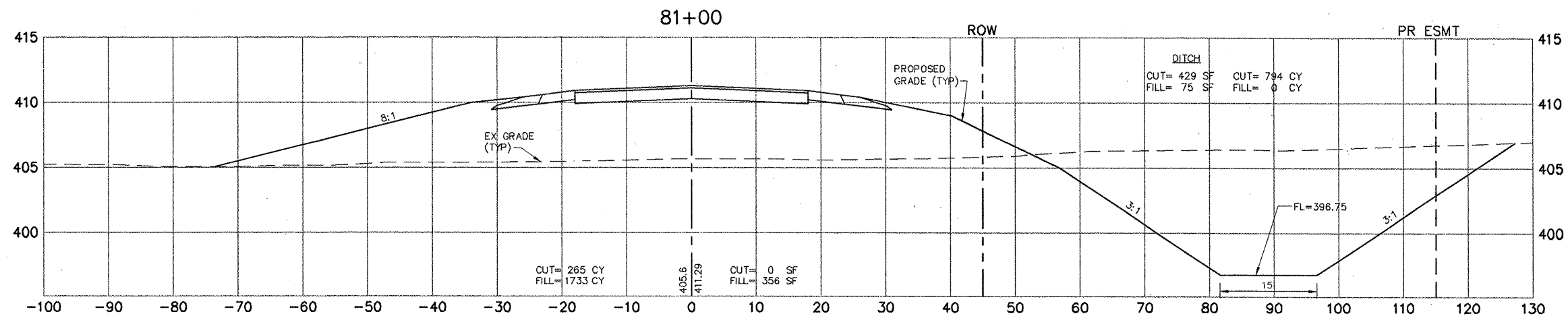
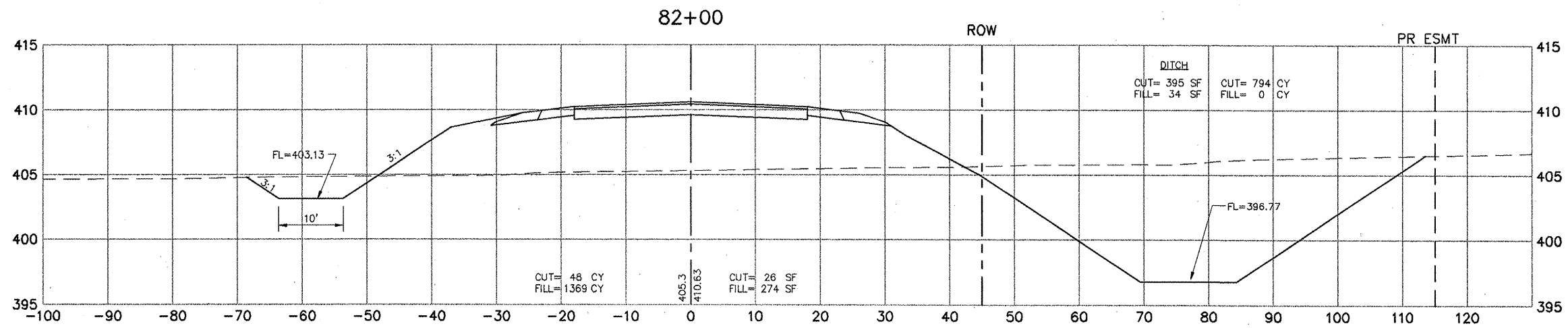
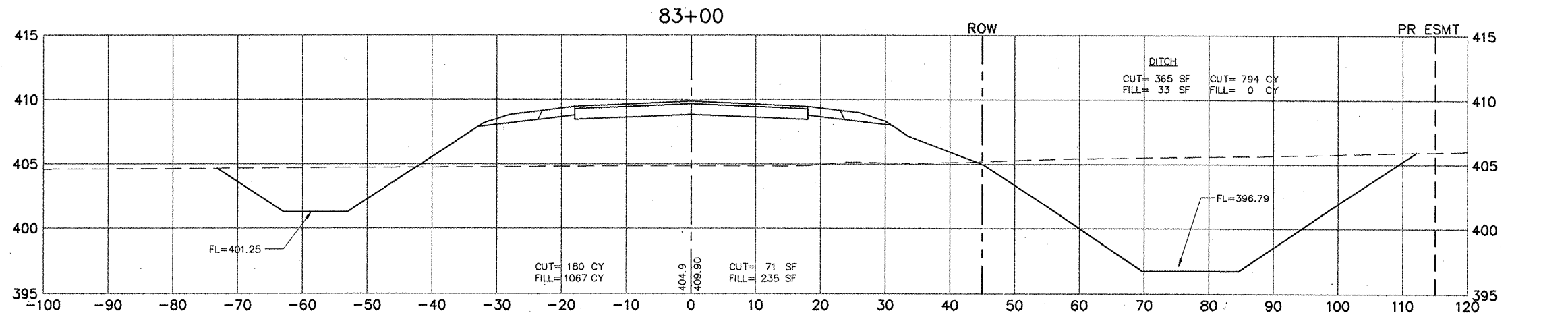
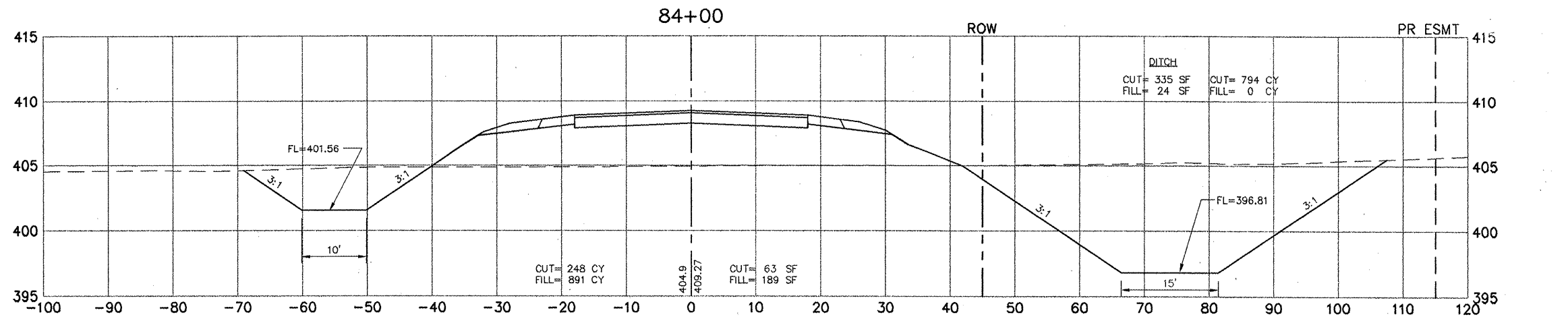


| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|-----------|--------------|-----------|
| 00-00000 | -01-FP | ST. CLAIR | 09 | 51 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT | | | | |
| CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |



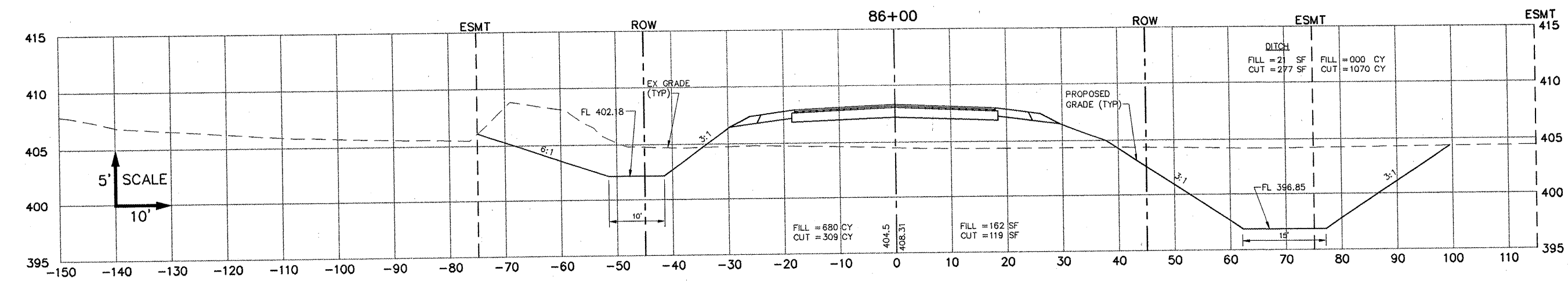
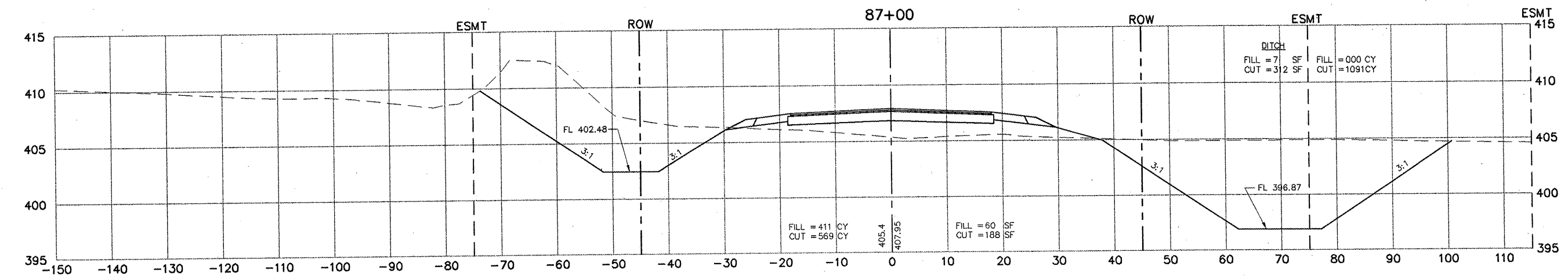
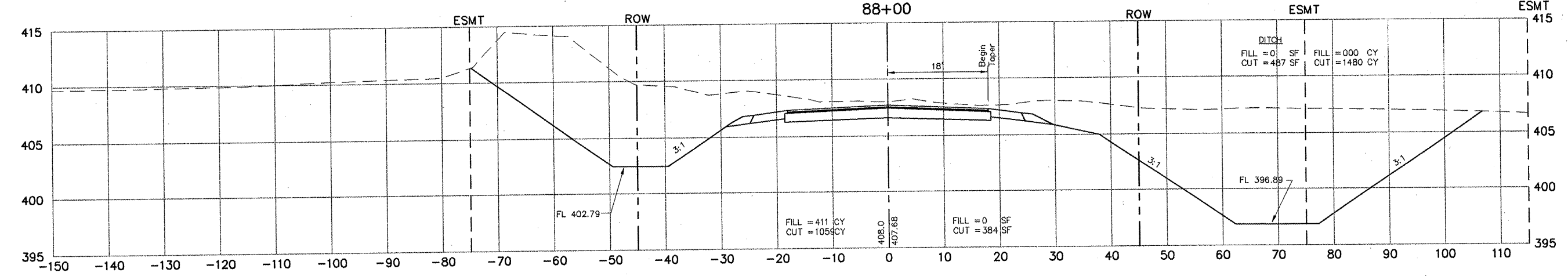
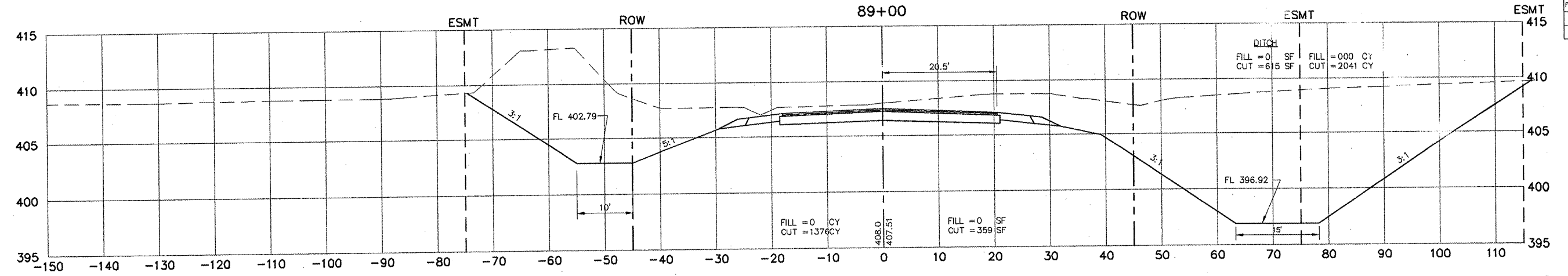
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| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|---------|-----------|-------------------|-----------|
| 99-00006 | -01-FP | ST. CLAIR | 69 | 52 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT- | 3- |
| CROSS SECTION | | | | |
| CONTRACT NO. 07312 | | | | |



| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|---------|------------------------------|--------------|-----------|
| 99-00009-01-FP | | ST. CLAIR | 89 | 54 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS FED. AID PROJECT- 9 | | |
| CONTRACT NO. 97312 | | | | |

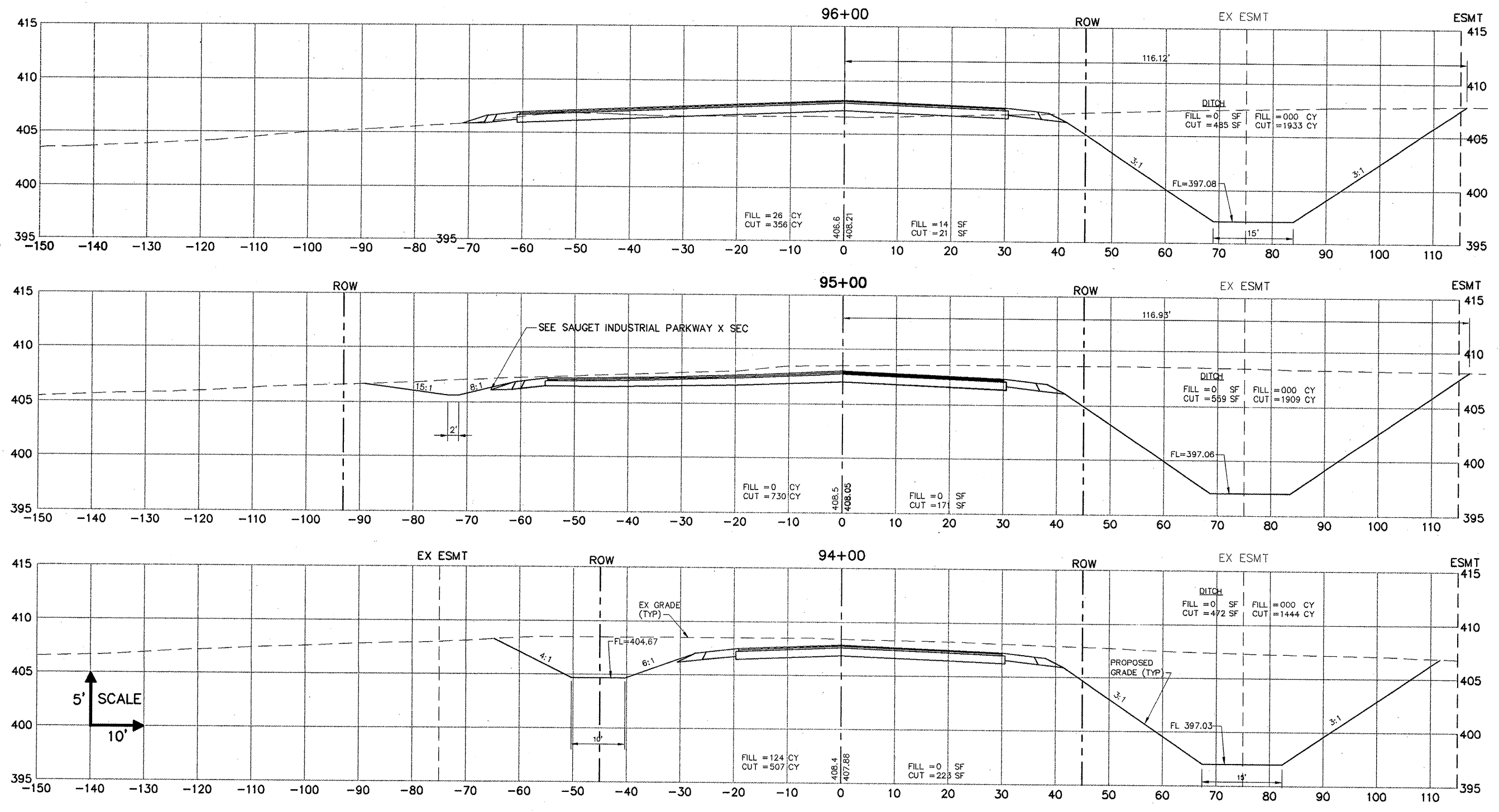
SAUGET BUSINESS BOULEVARD



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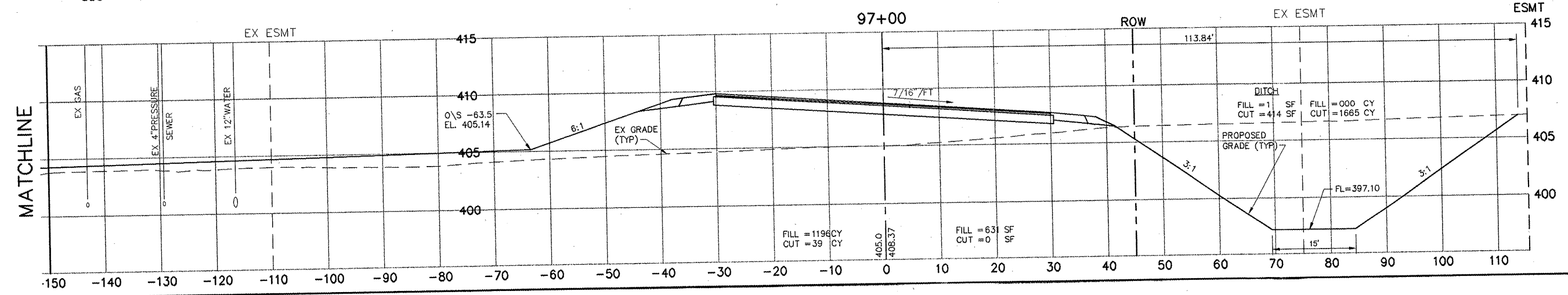
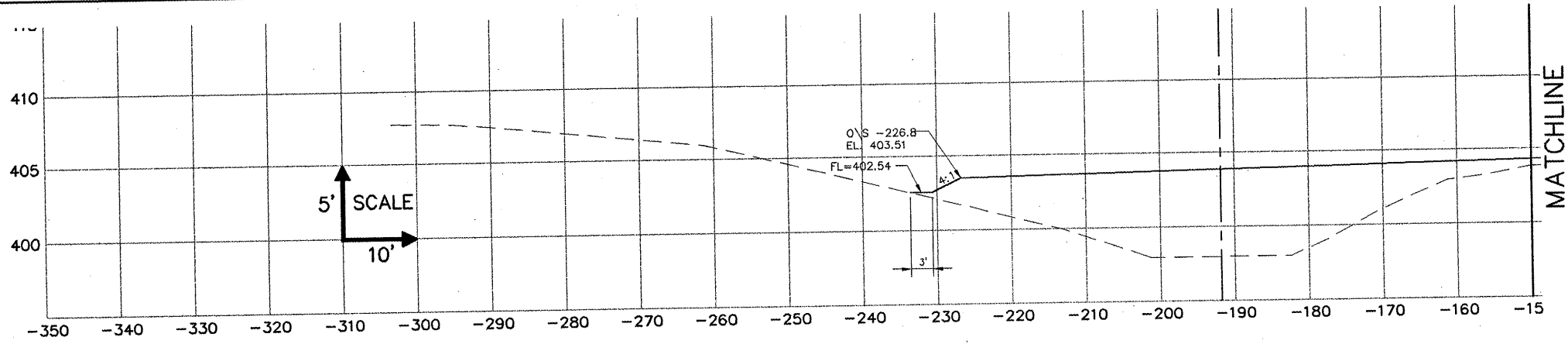
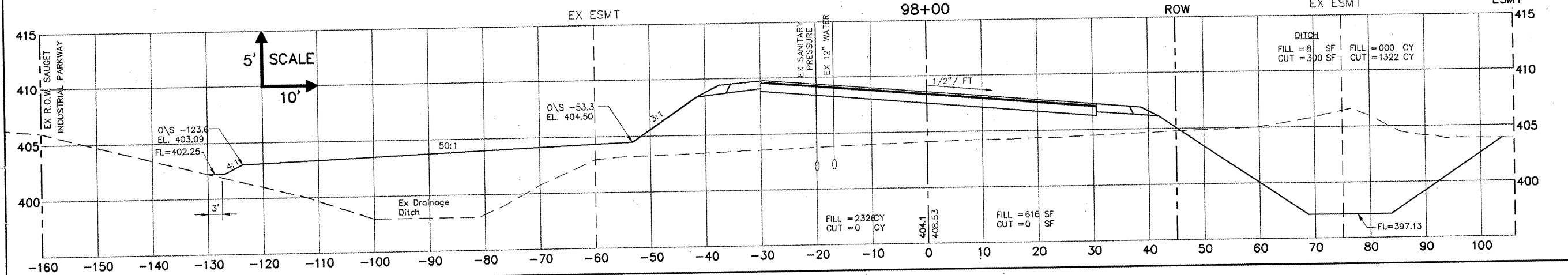
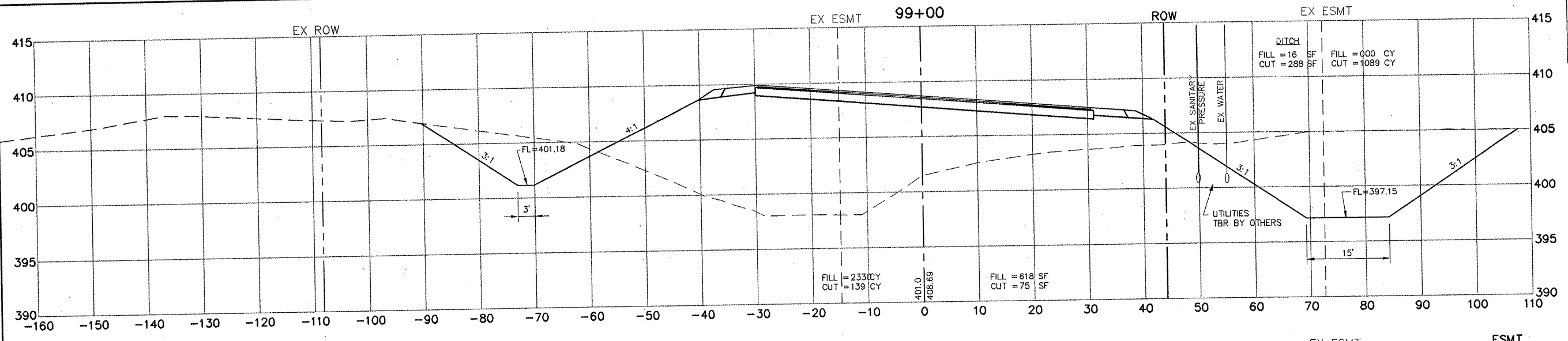
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|-----------------------|--------------------|-----------|--------------|------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| - | 99-00009 -01-PP | ST. CLAIR | 08 | 56 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | | FED. AID PROJECT |
| CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |

**SAUGET BUSINESS
BOULEVARD**



| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|---------|----------------------------|--------------|-----------|
| 99-00009 | -01-FP | ST. CLAIR | 69 | 57 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS FED. AID PROJECT- | | |
| | | CROSS SECTION | | |
| CONTRACT NO. 97312 | | | | |

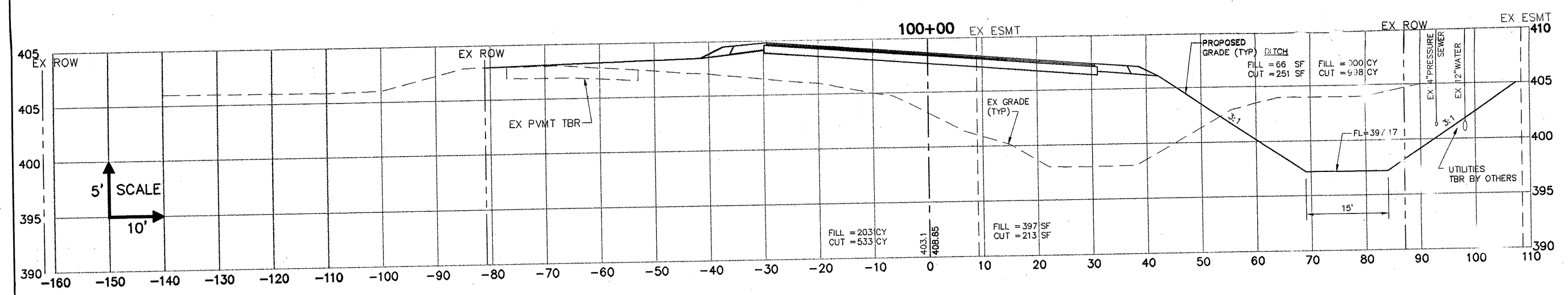
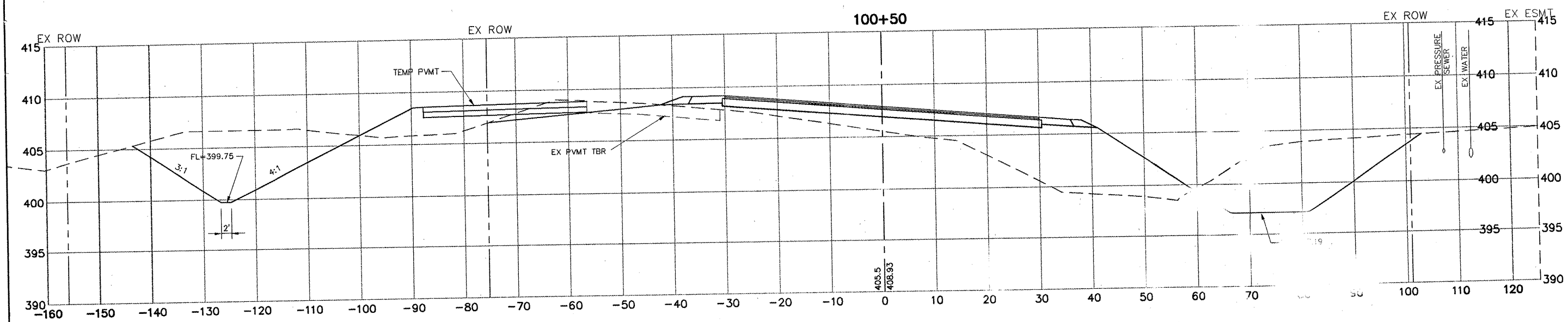
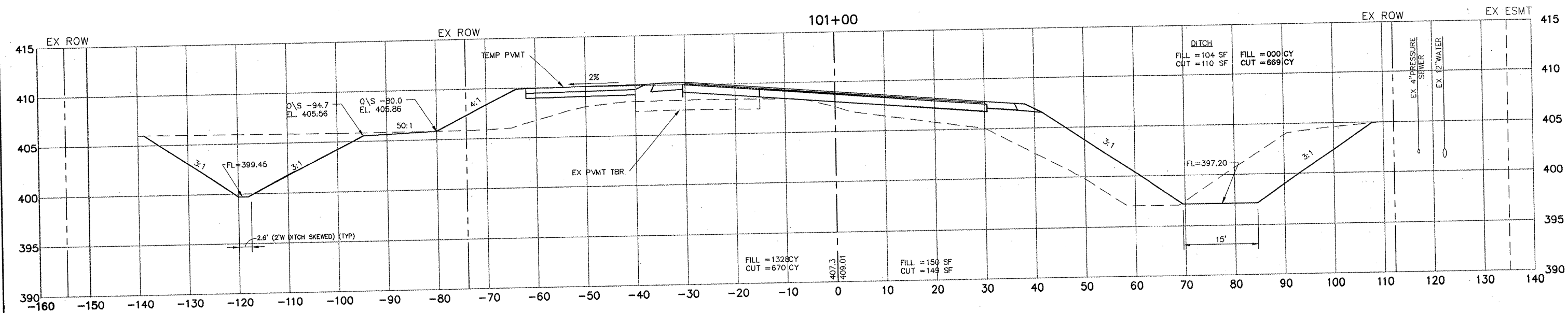
SAUGET BUSINESS BOULEVARD



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| | | | | |
|-----------------------|---------|---------------------------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 99-00009 | 01-FP | ST. CLAIR | 69 | 58 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS FED. AID PROJECT | | |
| CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |

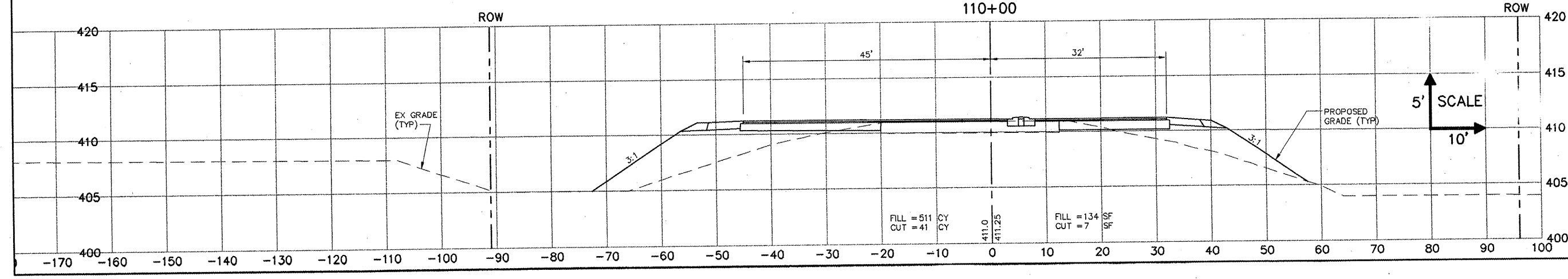
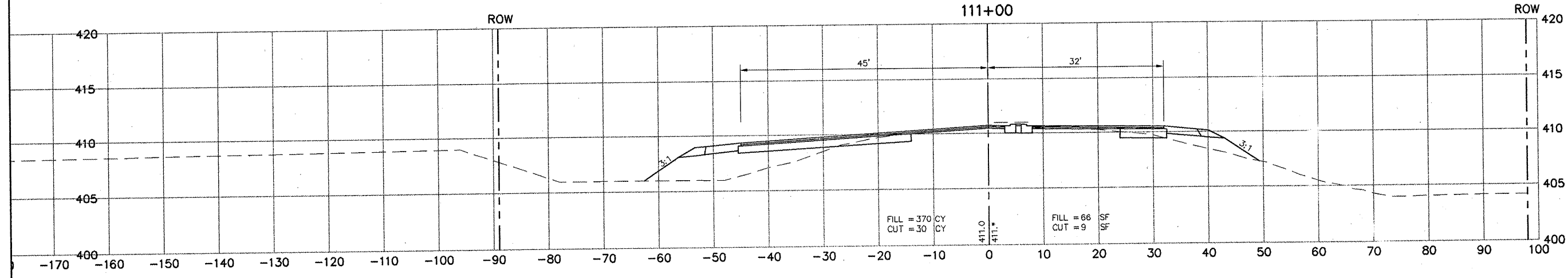
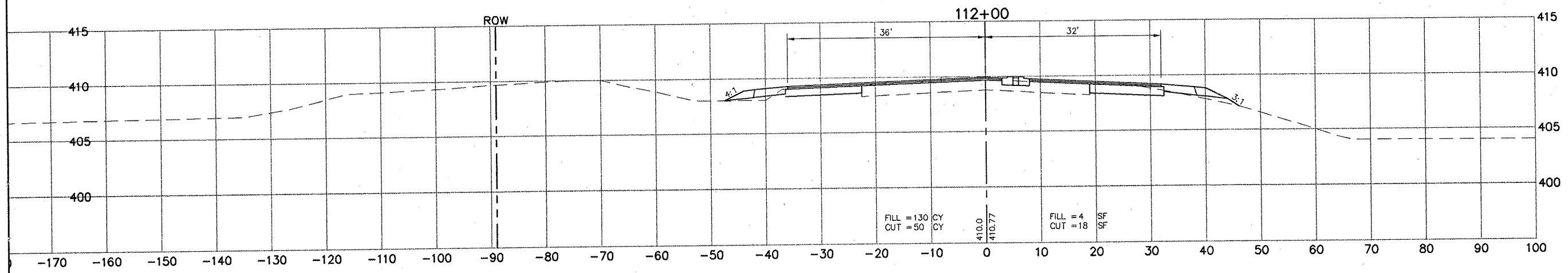
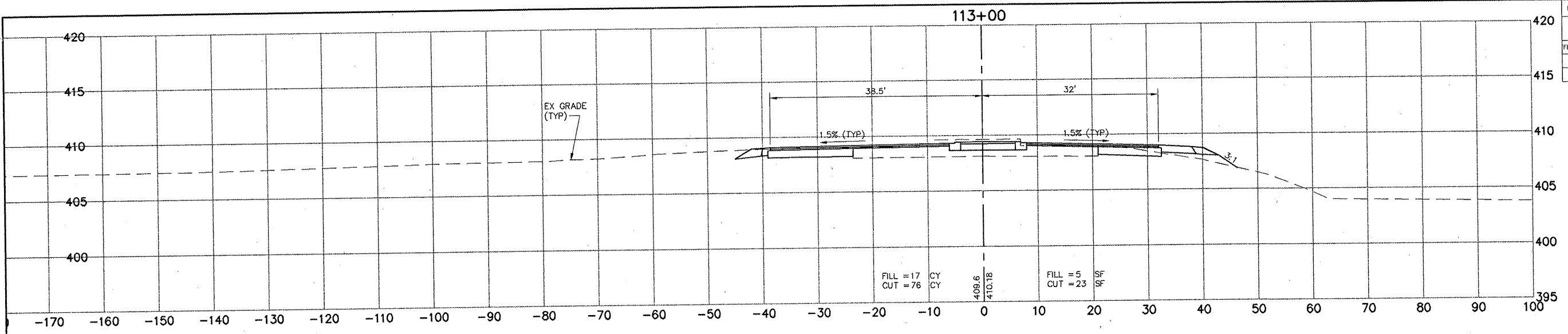
SAUGET BUSINESS BOULEVARD



5' SCALE
 10'

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|---------|----------------------------|--------------|-----------|
| 99-00009 | -01-PP | ST. CLAIR | 69 | 62 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS FED. AID PROJECT- | | |
| CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |

SAUGET BUSINESS BOULEVARD

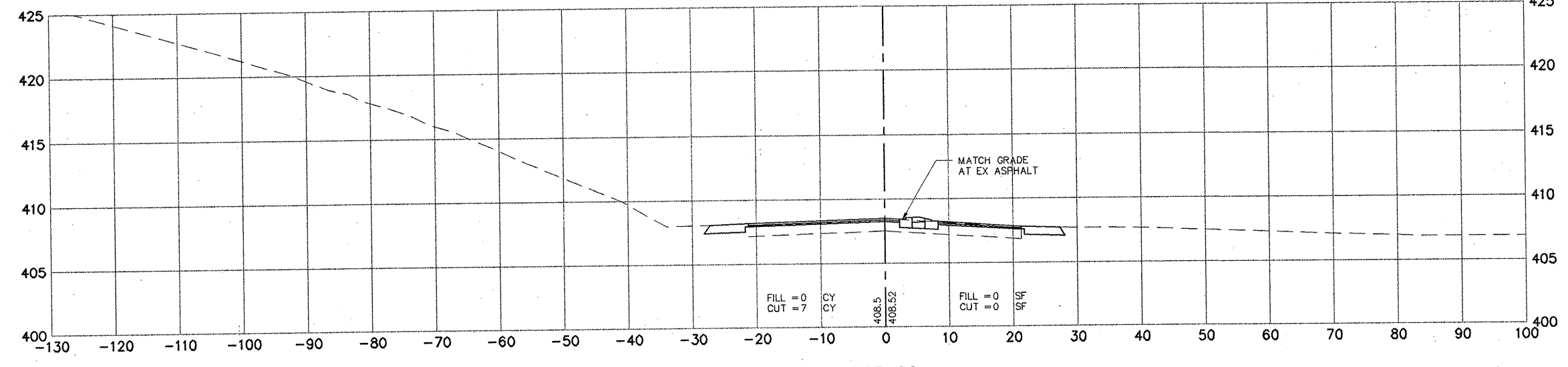


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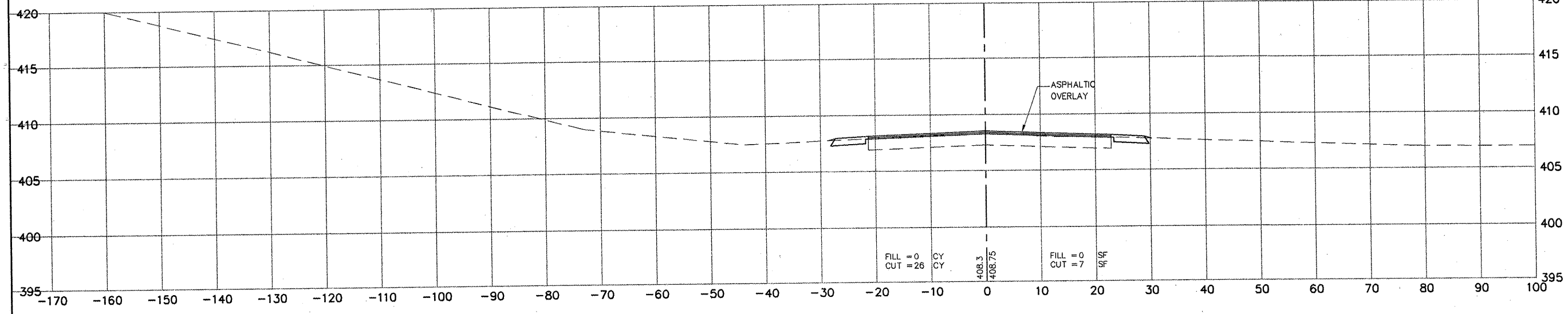
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|----------------|----------------------------|--------------|-----------|
| - | 98-00009-01-FP | ST. CLAIR | 69 | 63 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS FED. AID PROJECT- | | 7 |
| CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |

SAUGET BUSINESS BOULEVARD

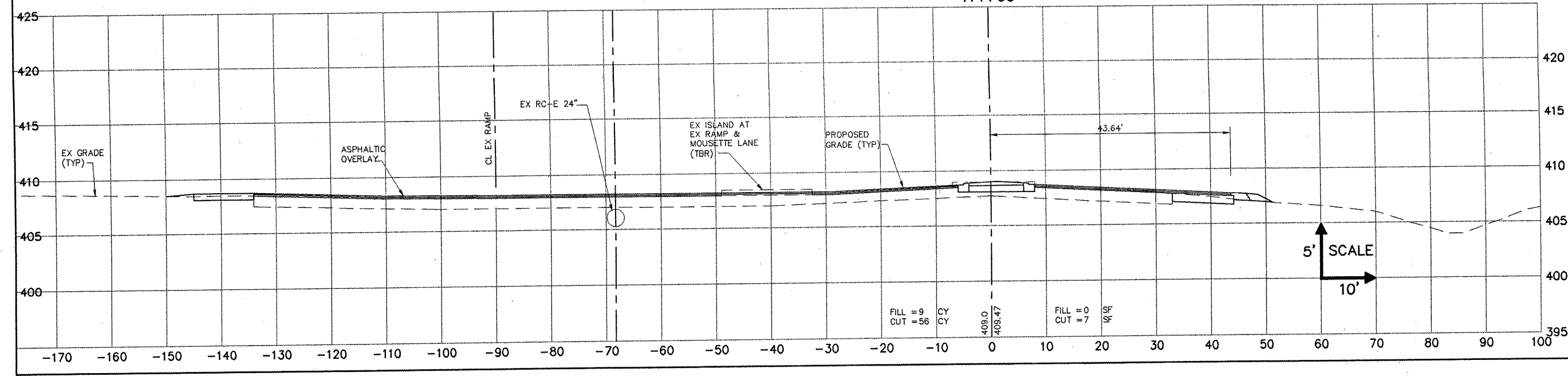
115+54.60 BACK



115+00



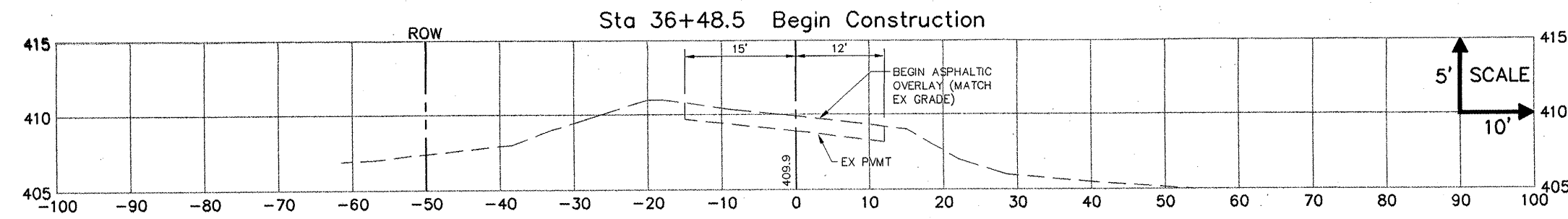
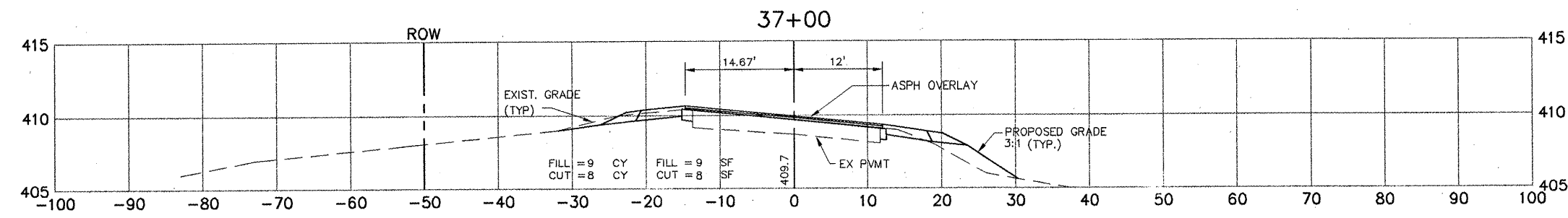
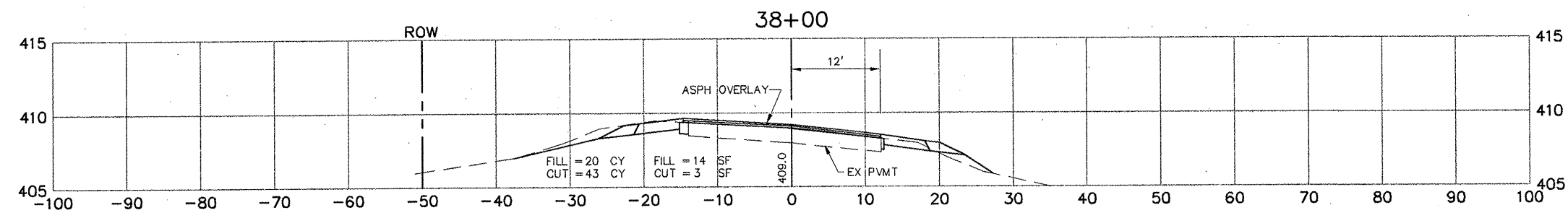
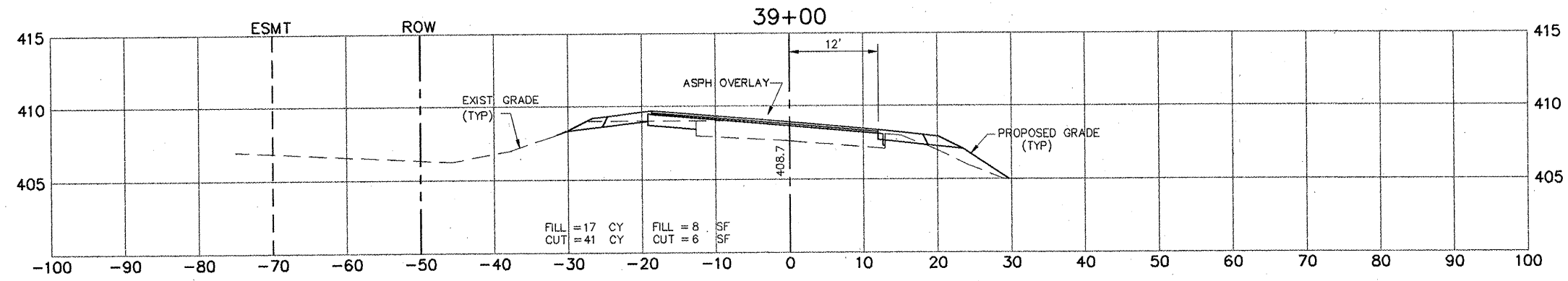
114+00



5' SCALE
10'

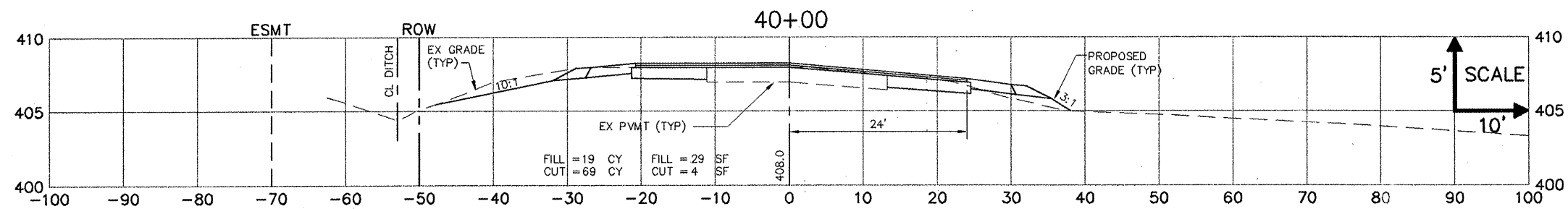
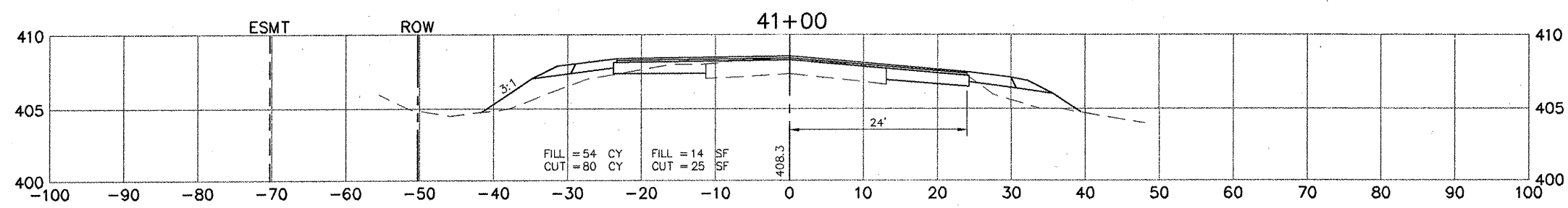
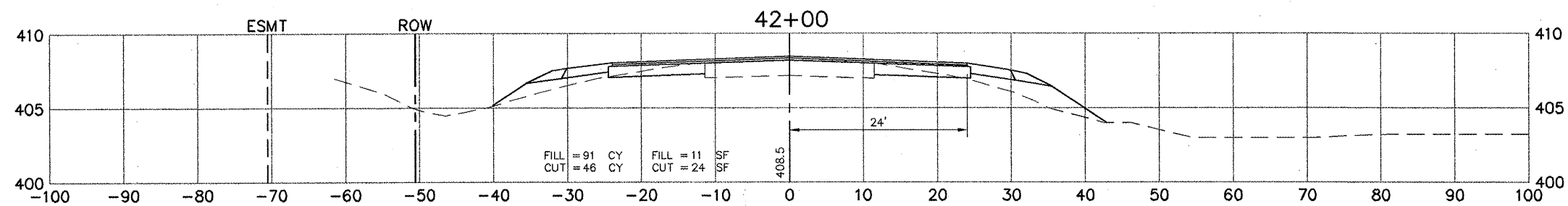
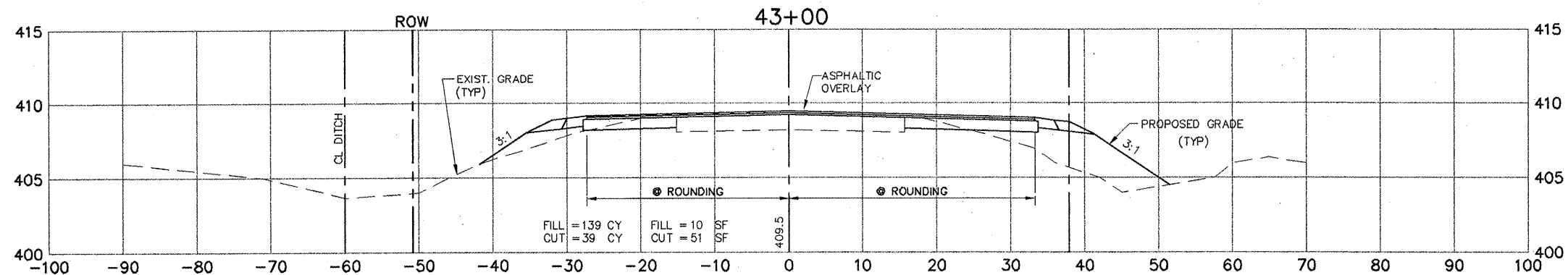
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|----------------|----------------------------|--------------|-----------|
| - | 99-00009-01-FP | ST. CLAIR | 69 | 64 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS FED. AID PROJECT- | 97 | |
| CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |

GOOSE LAKE ROAD



| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|----------------|-----------|-------------------|-----------|
| - | 99-00009-01-FP | ST. CLAIR | 69 | 65 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT- | |
| CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |

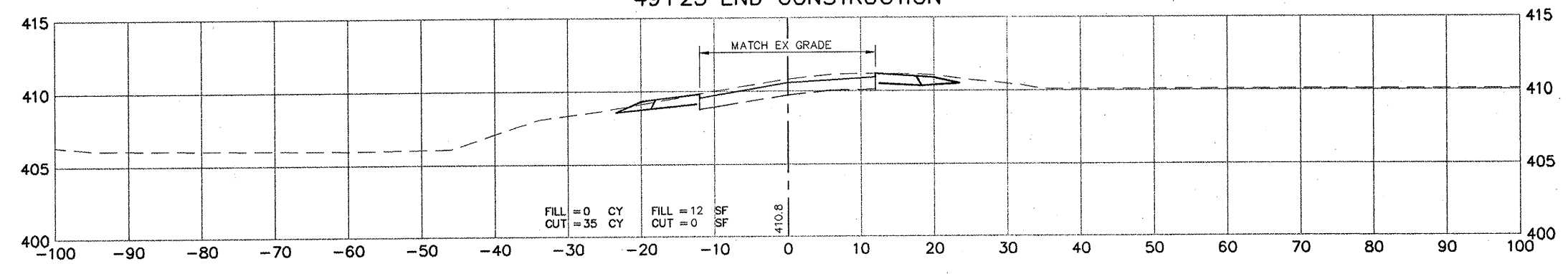
GOOSE LAKE ROAD



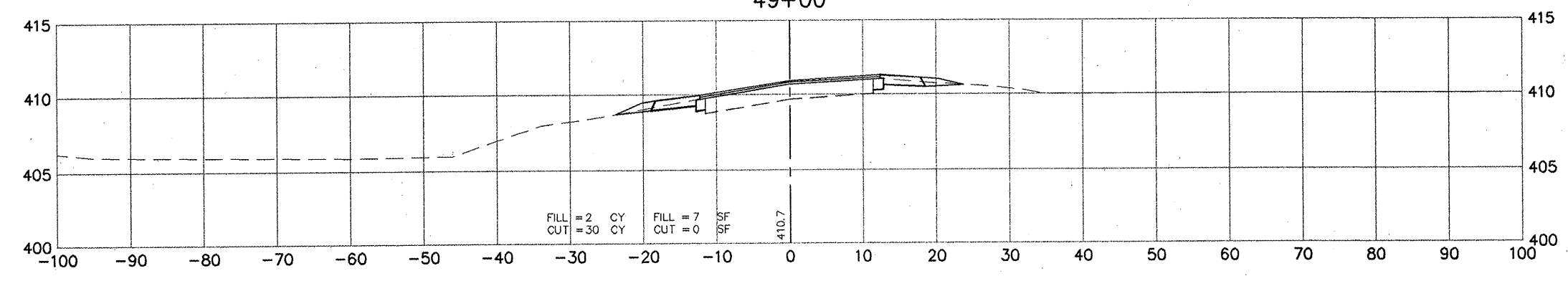
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|---------|-----------|------------------|-----------|
| 98-00009 | -01-FP | ST. CLAIR | 69 | 67 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT | 7 |
| CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |

MOUSETTE LANE (EAST)

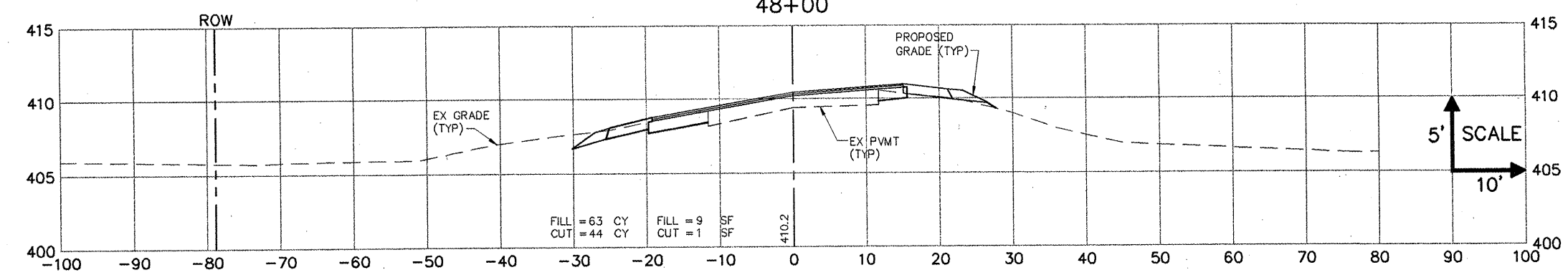
49+25 END CONSTRUCTION



49+00

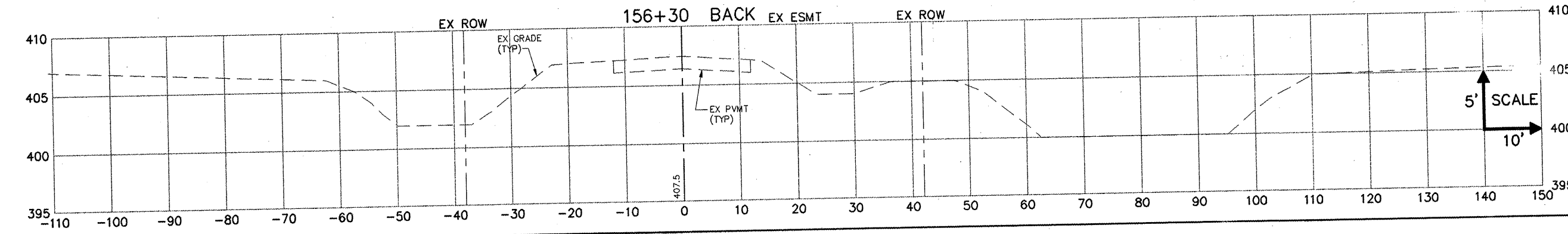
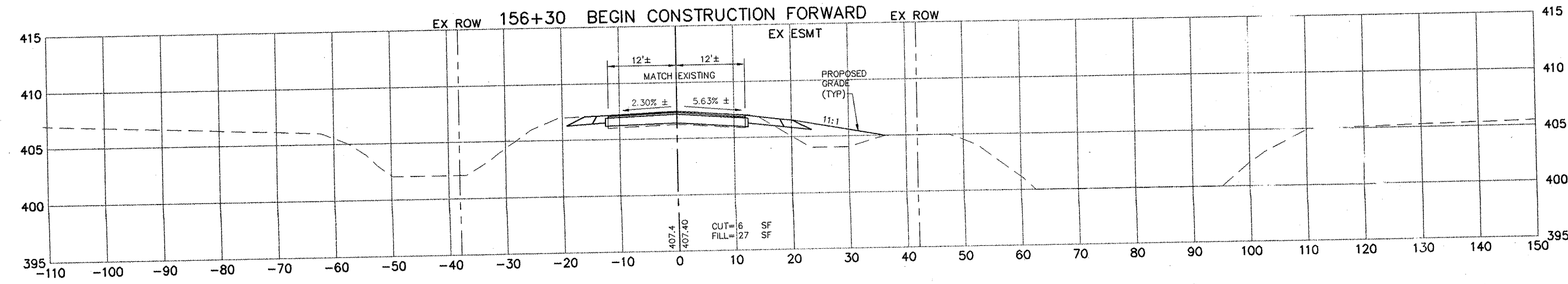
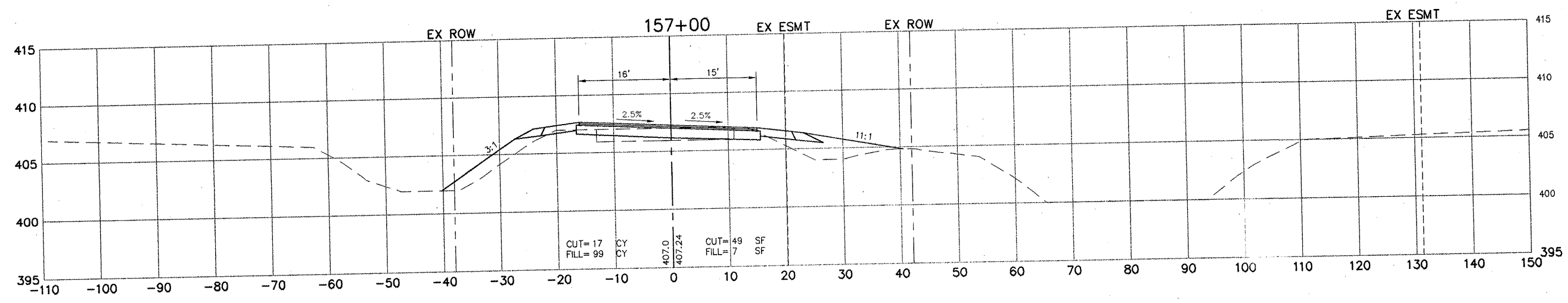
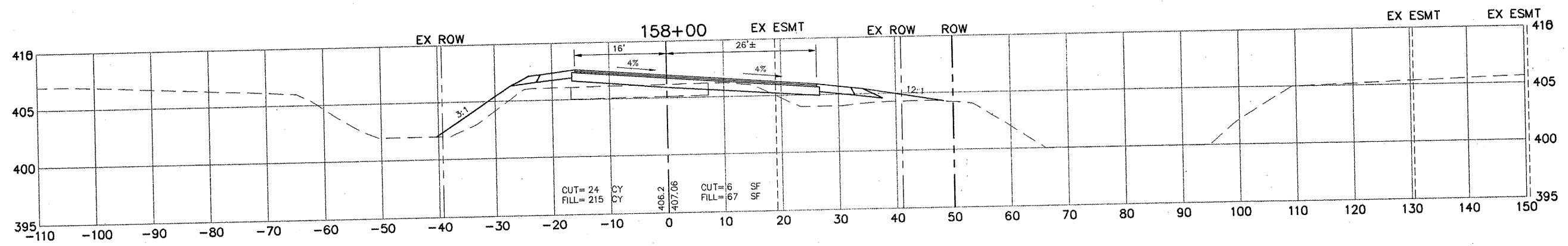


48+00



| | | | | |
|-----------------------|---------|----------------------------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 06-00009 | 01-FP | ST. CLAIR | 69 | 68 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS FED. AID PROJECT- | | |
| CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |

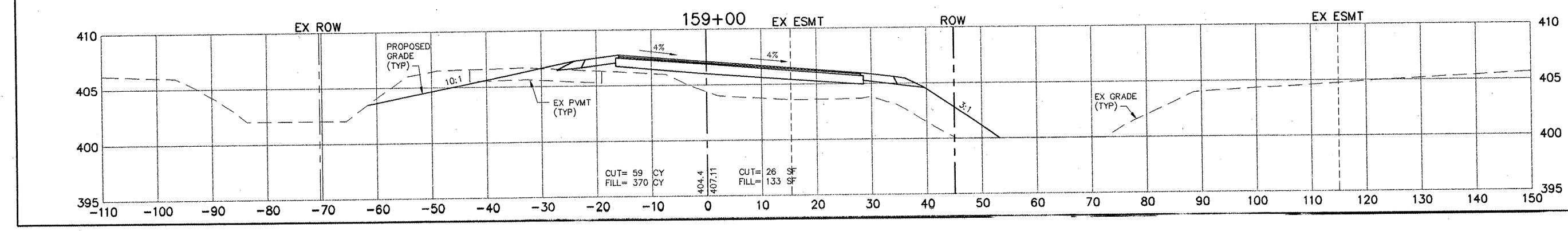
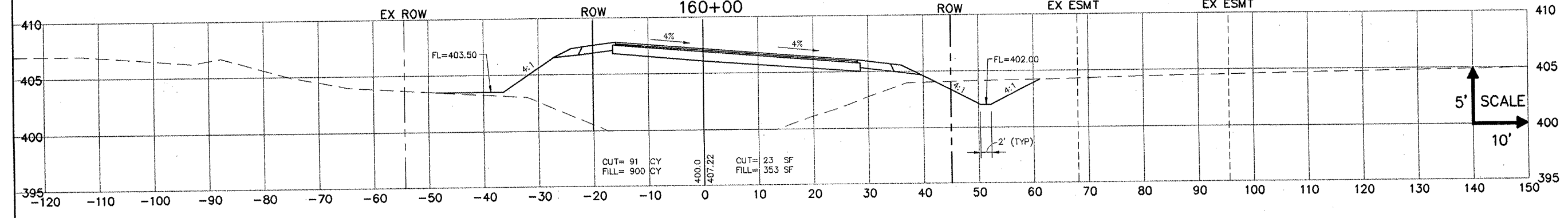
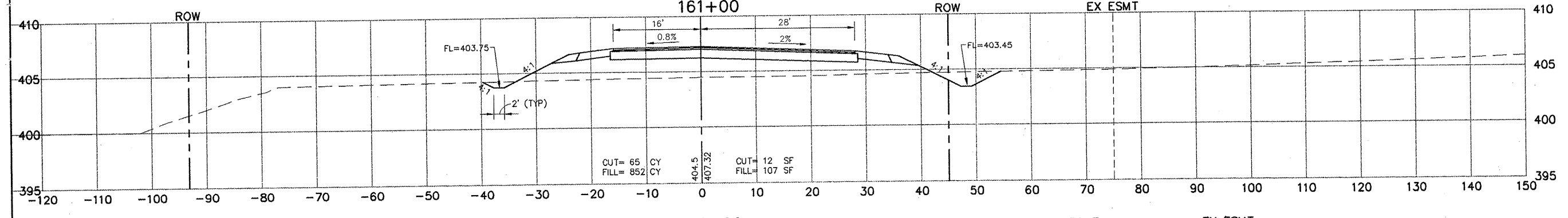
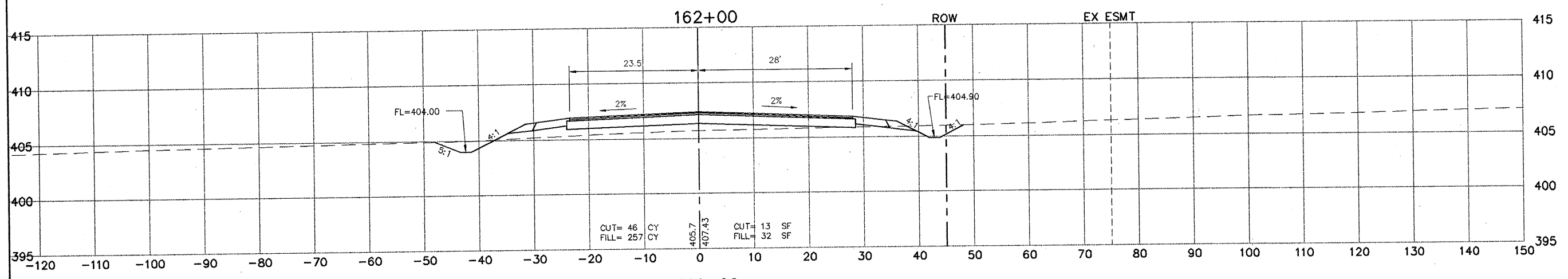
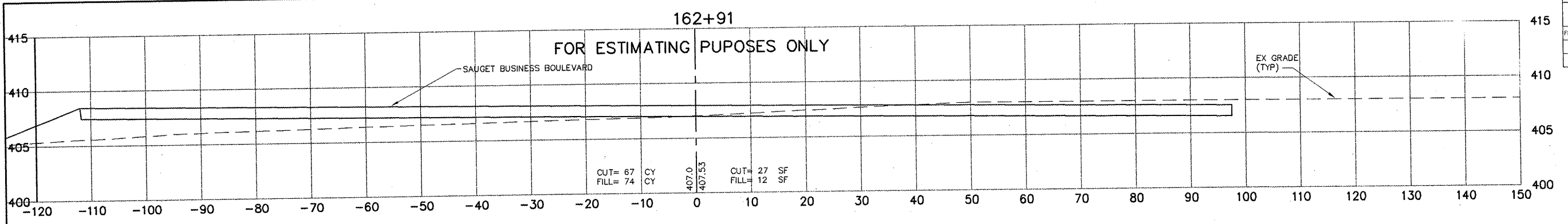
SAUGET INDUSTRIAL PARKWAY



T:\06\SAUGET\156+30\156+30_BACK.dwg, 157+00_SIP, 4/10/2008 8:18:40 PM, Xerox 8555.pcl

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|---------|----------------------------|--------------|-----------|
| 99-00009 | -01-FP | ST. CLAIR | 69 | 69 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS FED. AID PROJECT- | | |
| CROSS SECTION | | | | |
| CONTRACT NO. 97312 | | | | |

SAUGET INDUSTRIAL PARKWAY

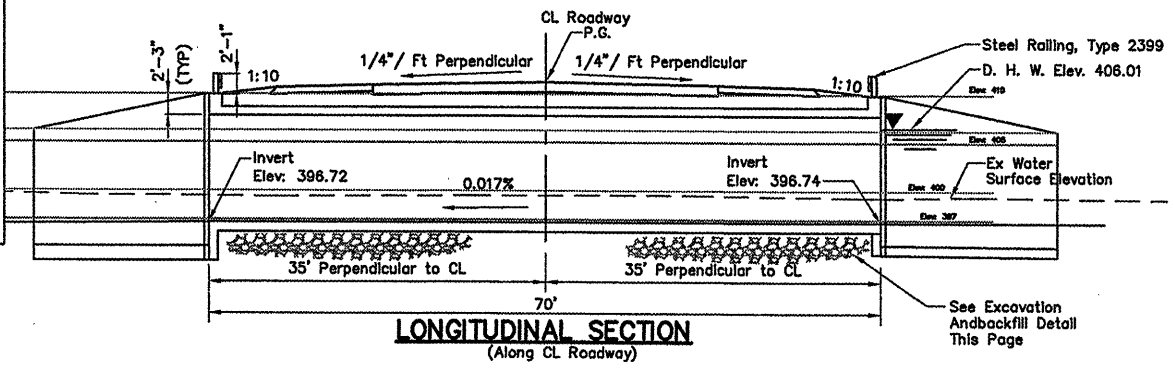


I:\SAUGET\159-01.dwg, 4/10/2008 4:11:01 PM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|----------------|-----------|--------------|-------------------|
| FAU 9212 | 99-00009-01-FF | ST. CLAIR | | 70 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | | FED. AID PROJECT- |
| CULVERT TS&L | | | | |

PER GEOTECHNICAL RECOMMENDATION STRUCTURE IS TO BE CONSTRUCTED 3"(0.25') ABOVE STATED FLOWLINES TO PERMIT CONSOLIDATION OF SOILS BENEATH CULVERT SLAB AND WINGWALLS. ALL FILL IS TO BE PLACED ON STRUCTURE. A SETTLEMENT PERIOD OF 60-90 DAY IS TO BE ALLOWED. CONTRACTOR IS TO MONITOR SETTLEMENT OF STRUCTURE AS DIRECTED BY RESIDENT ENGINEER UNTIL SETTLEMENT HAS SUBSIDED AND PAVEMENT PERMISSION TO PLACE PAVEMENT IS GIVEN BY RESIDENT ENGINEER.

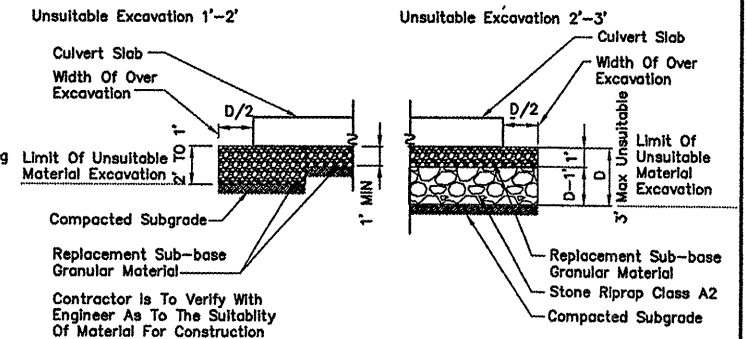
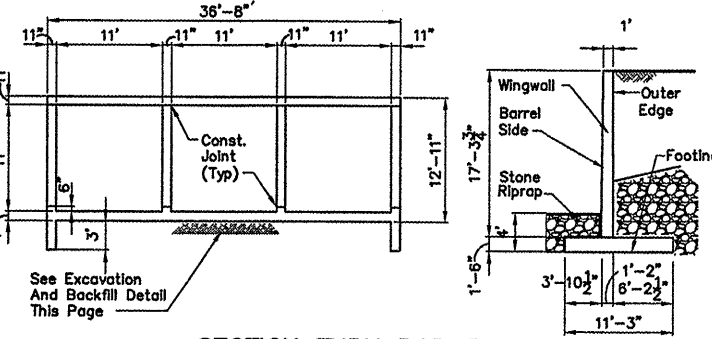
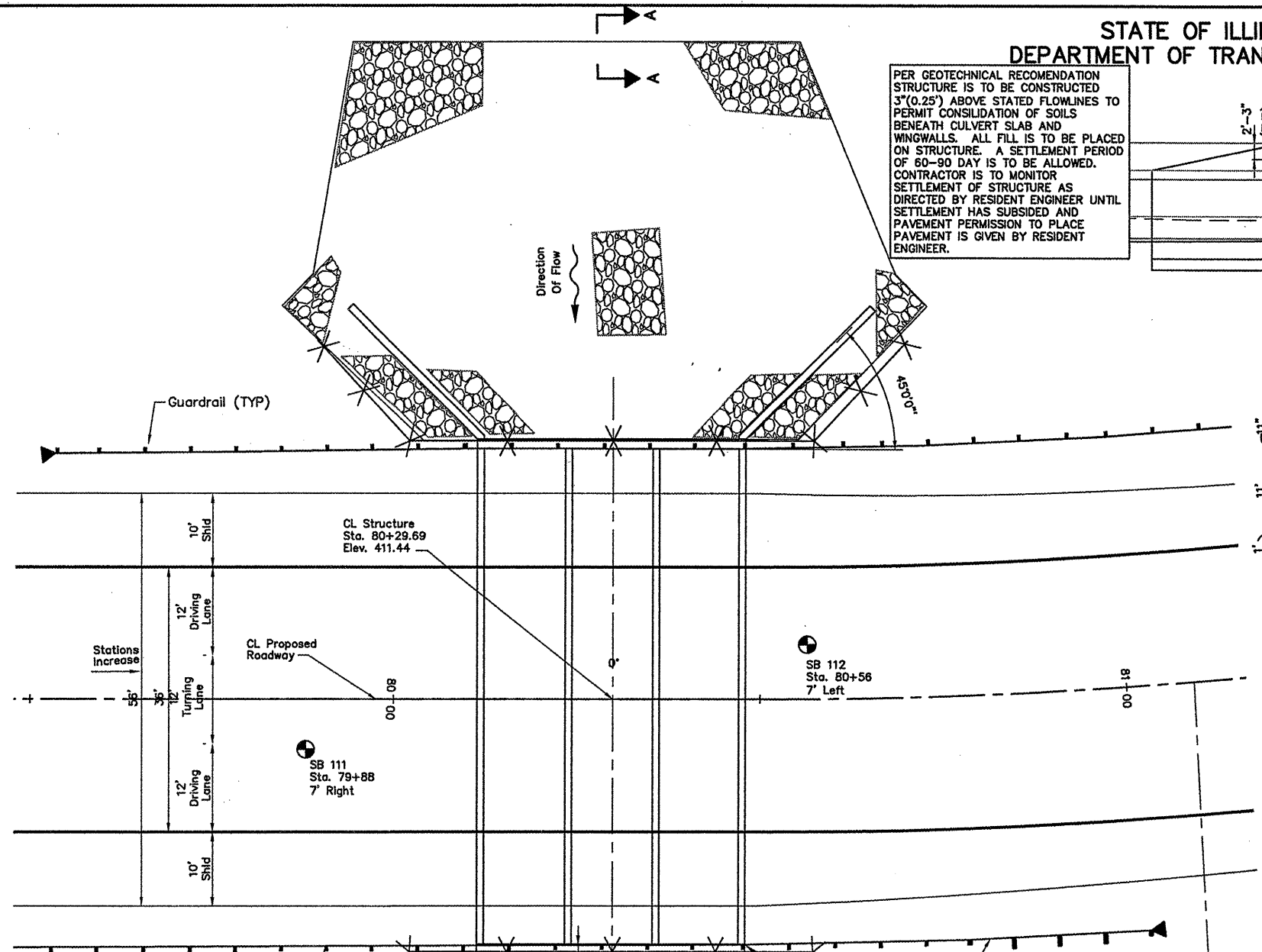


Bench Mark: Brass disc at Sauget Industrial Parkway (Elev 409.73, RT 1.15), Ex IP 42+12.14, Rt 126.08, (Elev 405.77)

Note: Precast alternate not allowed.
New road development. Staged construction not required.

Scour analysis indicates stable conditions. Stone revetment has been added for wingwall footing protection.

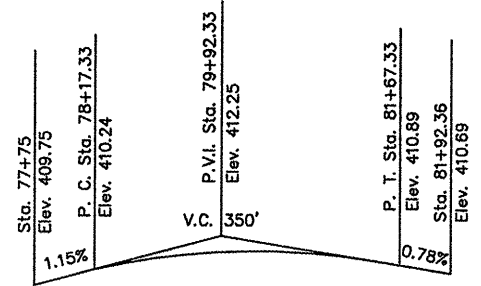
It shall be the Contractor's responsibility to divert any stream flow.



WATERWAY INFORMATION

Drainage Area = 3.32 sq. mi. Low Grade Elev.N/A (E) 411.84 (P) @ Sta. 80+29.69

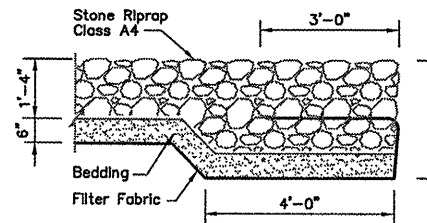
| Flood | Freq. Yr. | Q C.F.S. | Opening Sq. Ft. | | Nat. H.W.E. | Head - Ft. | | Headwater El. | |
|-------------|-----------|----------|-----------------|--------|-------------|------------|-------|---------------|--------|
| | | | Exist. | Prop. | | Exist. | Prop. | Exist. | Prop. |
| Design | 30 | 1,456 | NA | 317.79 | 406.01 | NA | 0.34 | NA | 406.35 |
| Base | 100 | 1,766 | NA | 333.96 | 406.84 | NA | 0.50 | NA | 407.34 |
| Ex. Overtop | NA | NA | NA | - | NA | NA | - | NA | - |
| Pr. Overtop | NA | 0 | - | NA | NA | - | NA | - | NA |
| Max Calc. | 500 | 2223 | NA | 363 | 407.99 | - | 0.70 | - | 408.69 |



PROFILE GRADE

STATION 80+29.69
BUILT BY THE VILLAGE OF SAUGET
F.A.I PROJ RTE FAU 9212
SEC 99-00009-01-FF
F.A. PROJ HPD-1443 (003)
LOADING HS20
STRUCTURE NO. 082-6606

NAME PLATE
SEE STANDARD 515001



SECTION A-A
NOT TO SCALE

HIGHWAY CLASSIFICATION

Ill. Rte. 9212
Functional Class: Urban Collector
ADT: 0 (2006); 9,970 (2026)
DHV: 2,125
Design Speed: 40 m.p.h.
Posted Speed: 40 m.p.h.

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface

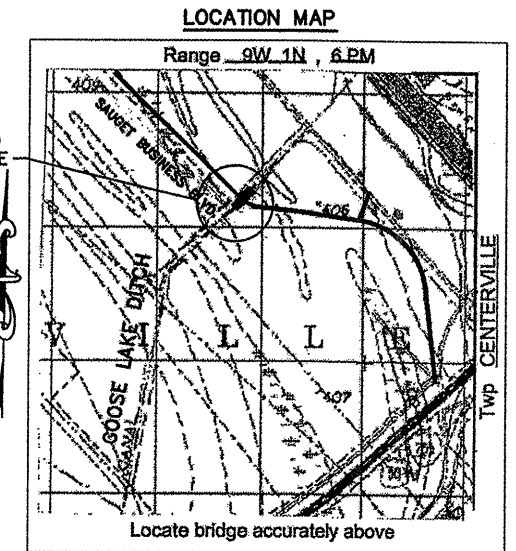
DESIGN SPECIFICATIONS

2002 AASHTO

DESIGN STRESSES

FIELD UNITS

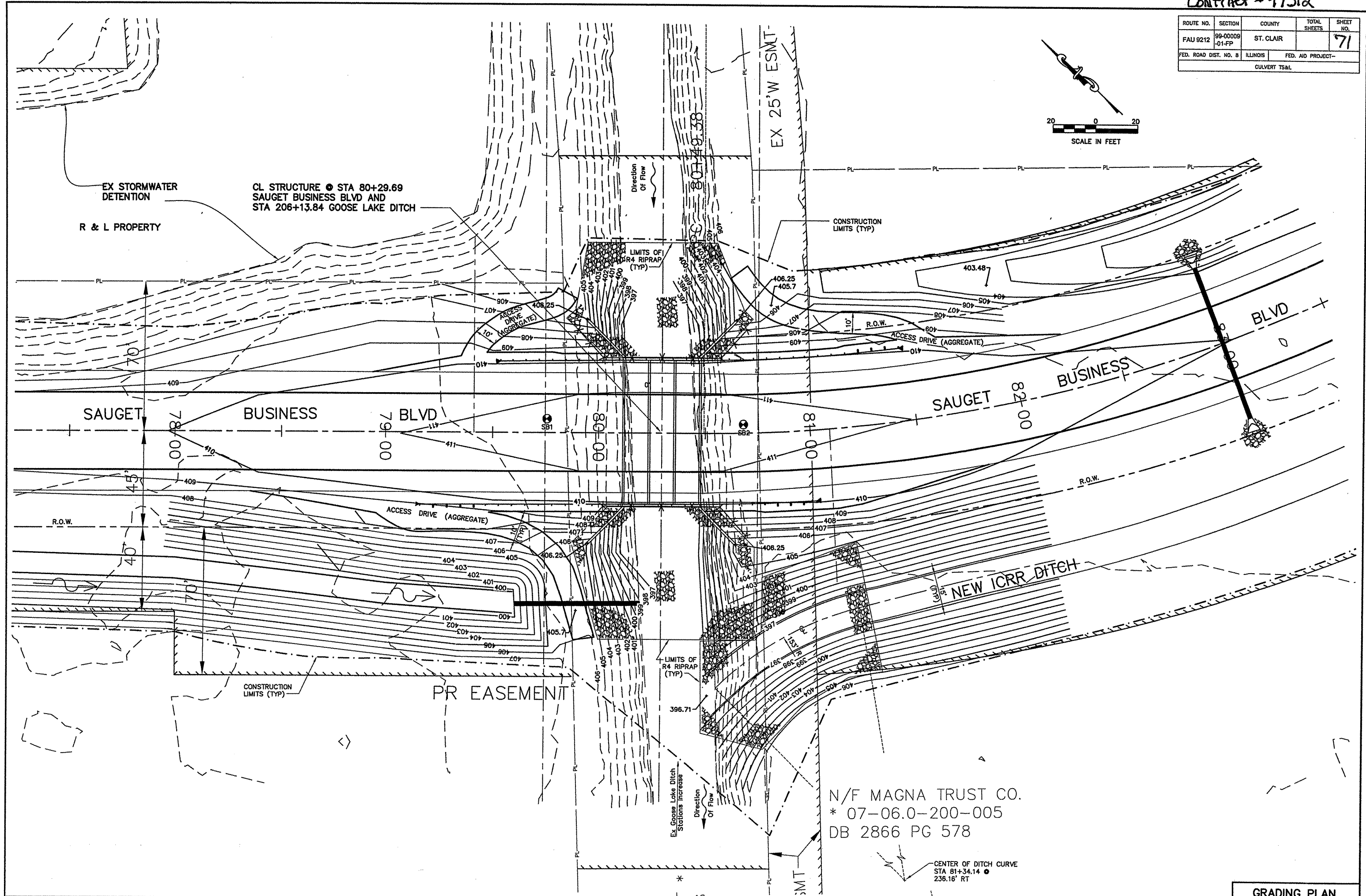
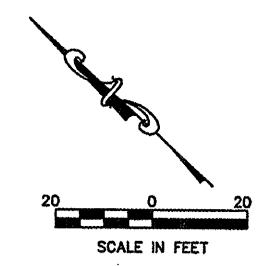
f_c = 3,500 psi
f_y = 60,000 psi (reinforcement)



GENERAL PLAN
NEW SAUGET BUSINESS BLVD.
OVER GOOSE LAKE DITCH
F.A.U. ROUTE 9212 -SECTION
97-00009-01-FF
ST. CLAIR COUNTY
STATION 80+29.69
STRUCTURE No. 082-6606

| | |
|----------|-------------|
| DESIGNED | JPG |
| CHECKED | MJS,JPG |
| DRAWN | PES,JPG,BAB |
| CHECKED | TPW |

| | | | | |
|-----------------------|----------------|-------------------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| FAU 9212 | 99-00009-01-FP | ST. CLAIR | | 71 |
| FED. ROAD DIST. NO. 8 | ILLINOIS | FED. AID PROJECT- | | |
| CULVERT TS&L | | | | |



CL STRUCTURE @ STA 80+29.69
SAUGET BUSINESS BLVD AND
STA 206+13.84 GOOSE LAKE DITCH

EX STORMWATER
DETENTION

R & L PROPERTY

CONSTRUCTION
LIMITS (TYP)

LIMITS OF
R4 RIPRAP
(TYP)

SAUGET BUSINESS
BLVD

NEW ICRR DITCH

PR EASEMENT

N/F MAGNA TRUST CO.
* 07-06.0-200-005
DB 2866 PG 578

CENTER OF DITCH CURVE
STA 81+34.14 @
236.16' RT

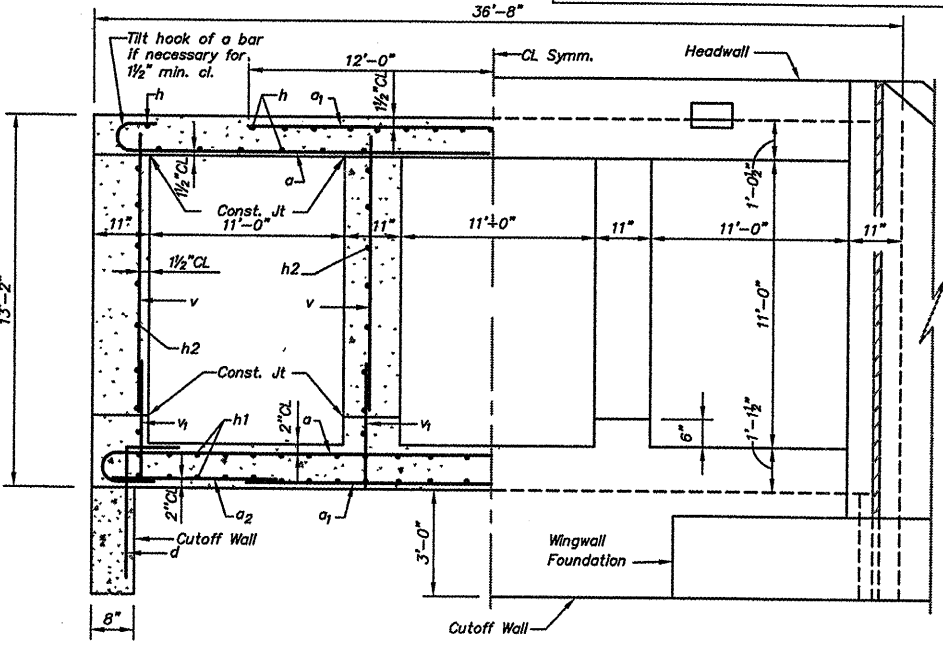
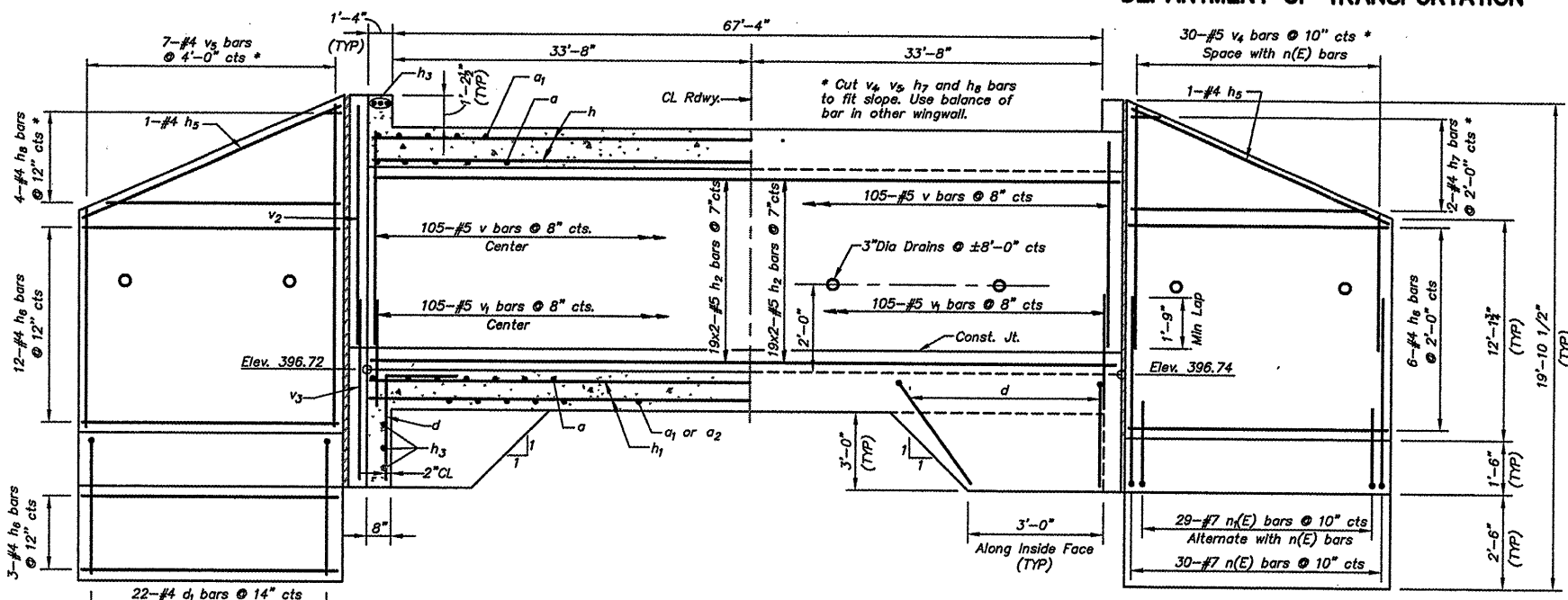
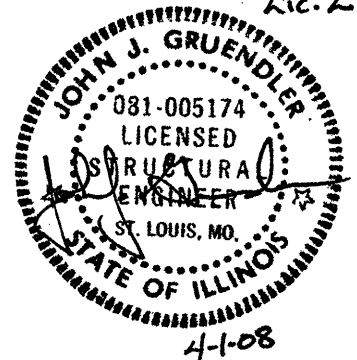
T:\Clients\SAUGET\713-97-1 phil adwg\1-GOOSE-LAKE-TS&L.dwg, enlarge plan, 4/10/2008 10:13:12 AM, jpg, \PHW100\KM-3035, Ledger, 1-2, PHW07, PHW03

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Lic. Exp 11-30-08

CONTRACT #97312

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|--------------------|-----------|--------------|-----------|
| - | 99-00009 -01-FP | ST. CLAIR | | 72 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- 98-089-97 | | | | |
| CULVERT STRUCTURAL | | | | |



REINFORCEMENT FRONT FACE
(Elevation View Shown)

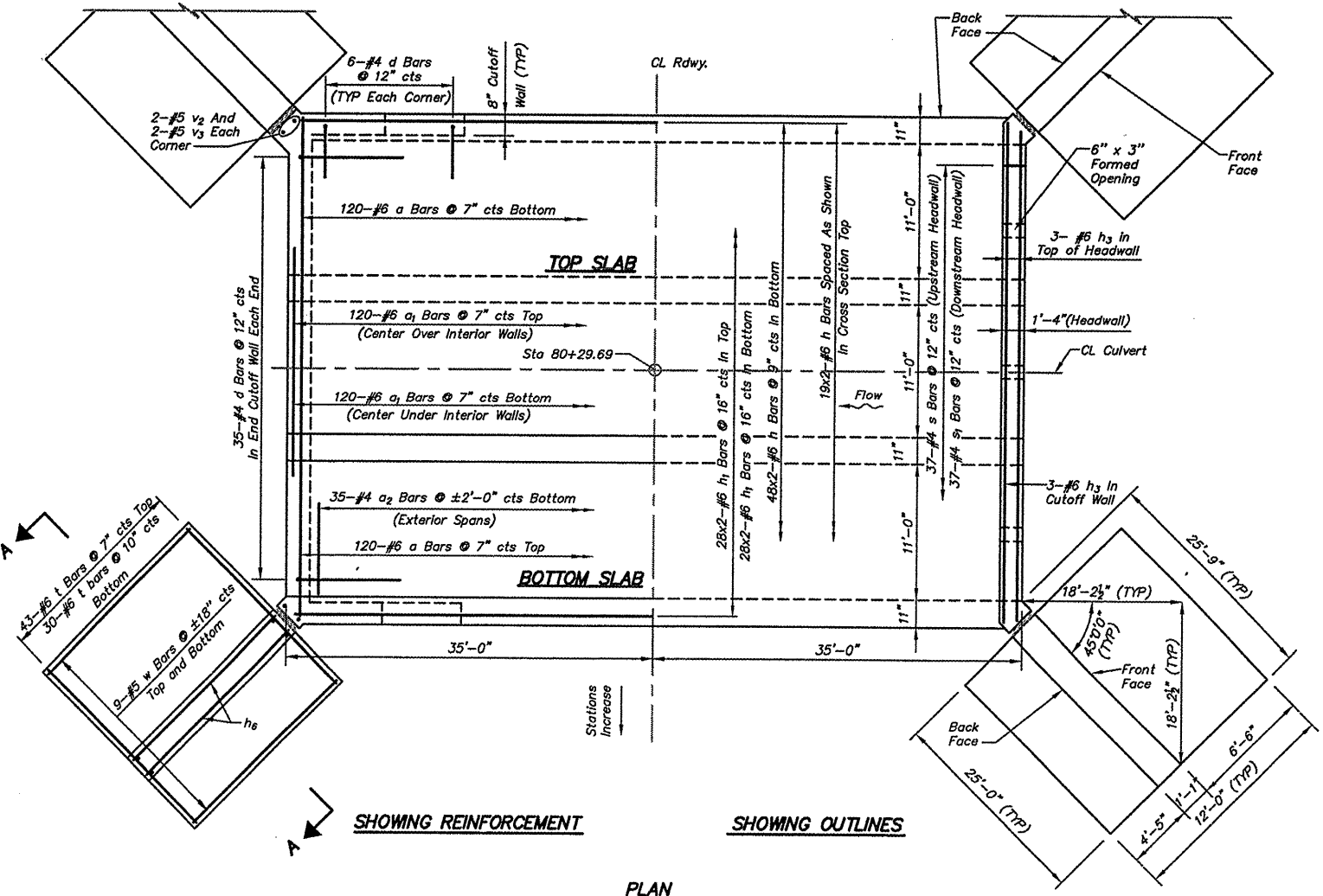
HALF LONG. SECTION
(Showing Bars in Interior Wall)

HALF ELEVATION
(Showing Bars in Outside Wall)

REINFORCEMENT BACK FACE
(Elevation View Shown)

HALF SECTION THRU BARREL

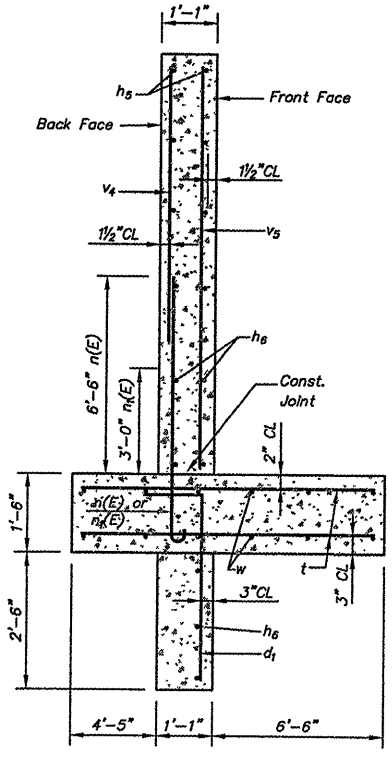
HALF END ELEVATION



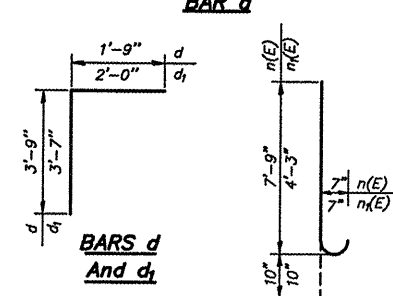
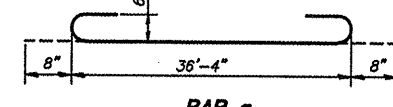
SHOWING REINFORCEMENT

SHOWING OUTLINES

PLAN



SECTION A-A

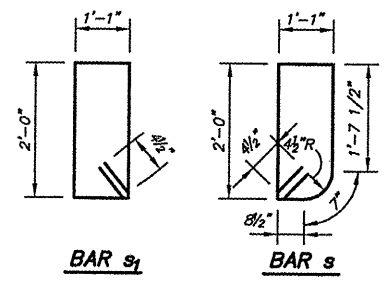


Notes:
Reinforcement bars designated (E) shall be epoxy coated. Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

| BILL OF MATERIAL | | | | |
|----------------------------------|----------|------|---------|----------|
| Bar | No. | Size | Length | Shape |
| a | 240 | #6 | 37'-8" | [Symbol] |
| a1 | 240 | #6 | 24'-0" | [Symbol] |
| a2 | 70 | #4 | 8'-3" | [Symbol] |
| d | 94 | #4 | 5'-6" | [Symbol] |
| d1 | 88 | #4 | 5'-7" | [Symbol] |
| h | 134 | #6 | 35'-11" | [Symbol] |
| h1 | 112 | #6 | 35'-11" | [Symbol] |
| h2 | 152 | #5 | 35'-9" | [Symbol] |
| h3 | 12 | #6 | 36'-3" | [Symbol] |
| h4 | NOT USED | | | |
| h5 | 8 | #4 | 24'-11" | [Symbol] |
| h6 | 84 | #4 | 24'-8" | [Symbol] |
| h7 | 4 | #4 | 22'-6" | [Symbol] |
| h8 | 8 | #4 | 24'-3" | [Symbol] |
| n(E) | 120 | #7 | 8'-7" | [Symbol] |
| n(E) | 116 | #7 | 5'-1" | [Symbol] |
| s | 37 | #4 | 6'-9" | [Symbol] |
| s1 | 37 | #4 | 6'-11" | [Symbol] |
| t | 292 | #6 | 11'-9" | [Symbol] |
| v | 420 | #5 | 11'-4" | [Symbol] |
| v1 | 420 | #5 | 3'-2" | [Symbol] |
| v2 | 8 | #5 | 12'-6" | [Symbol] |
| v3 | 8 | #5 | 6'-2" | [Symbol] |
| v4 | 60 | #5 | 18'-2" | [Symbol] |
| v5 | 14 | #4 | 27'-8" | [Symbol] |
| w | 72 | #5 | 24'-8" | [Symbol] |
| Concrete Box Culverts | | | Cu. Yd. | 455.7 |
| Reinforcement Bars, Epoxy Coated | | | Pound | 3310 |
| Reinforcement Bars | | | Pound | 59830 |

| | |
|----------|-----|
| DESIGNED | |
| CHECKED | |
| DRAWN | PES |
| CHECKED | TPW |

| |
|-----------------------------------|
| 200 |
| EXAMINED |
| ENGINEER OF BRIDGE DESIGN |
| PASSED |
| ENGINEER OF BRIDGE AND STRUCTURES |



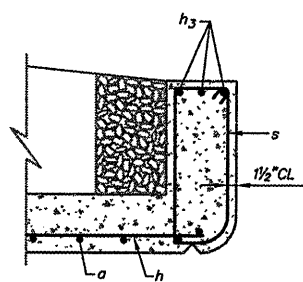
(Drawing Not To Scale)

T:\Clients\SAUGET\7313-97-1 phil a\dwg\IS2-GOOSE-LAKE.dwg, Model, 3/31/2008 10:21:10 AM, KIM-3035.pcb

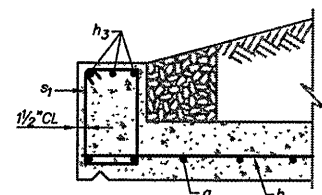
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Contract # 97312

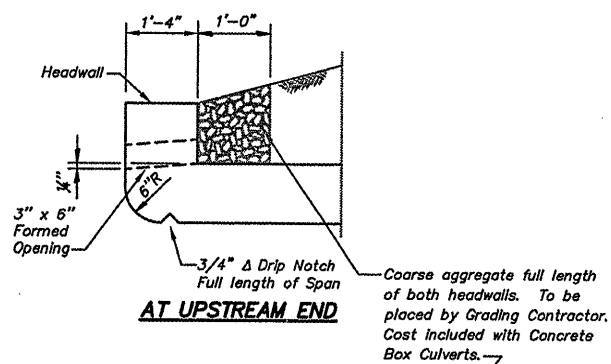
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|--------------------|-----------|-----------------------------|-----------|
| - | 99-00009 -01-FP | ST. CLAIR | | 73 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT- 98-089-97 | |
| CULVERT STRUCTURAL | | | | |



**HEADWALL SECTION
AT UPSTREAM END**
(Steel Railing Not Shown)

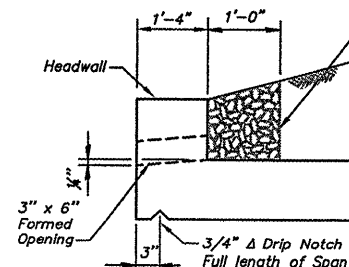


**HEADWALL SECTION
AT DOWNSTREAM END**
(Steel Railing Not Shown)



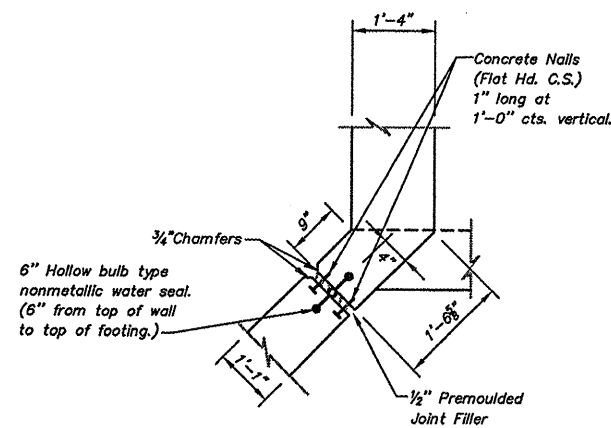
AT UPSTREAM END

Coarse aggregate full length of both headwalls. To be placed by Grading Contractor. Cost included with Concrete Box Culverts.

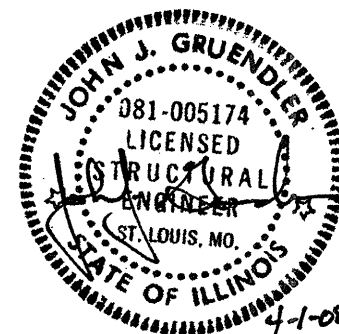


AT DOWNSTREAM END

DRAIN DETAIL



CORNER DETAIL



Lic. Exp. 11-30-08

| | |
|----------|-----|
| DESIGNED | |
| CHECKED | |
| DRAWN | PES |
| CHECKED | TPW |

| | |
|----------|-----|
| | 200 |
| EXAMINED | |
| PASSED | |

ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGE AND STRUCTURES

(Drawing Not To Scale)

Contract # 97312

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Bench Mark:
Brass disc at Sauget Industrial Parkway
(Elev 409.73, RT 1.15),

Ex IP Sta 42+12.14, Rt 126.08
(Elev 405.77)

Existing Structure:
SNOB2-2031 was built in 1992. It is a
double 10'x8'H cast-in-place reinforced
concrete box culvert.

Note: Precast alternate not allowed.

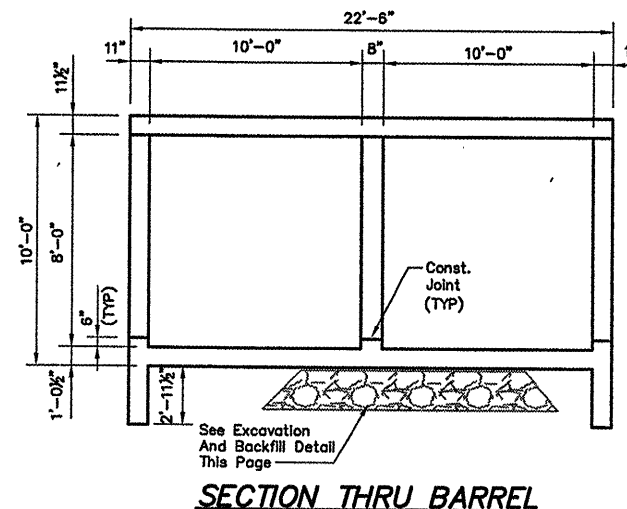
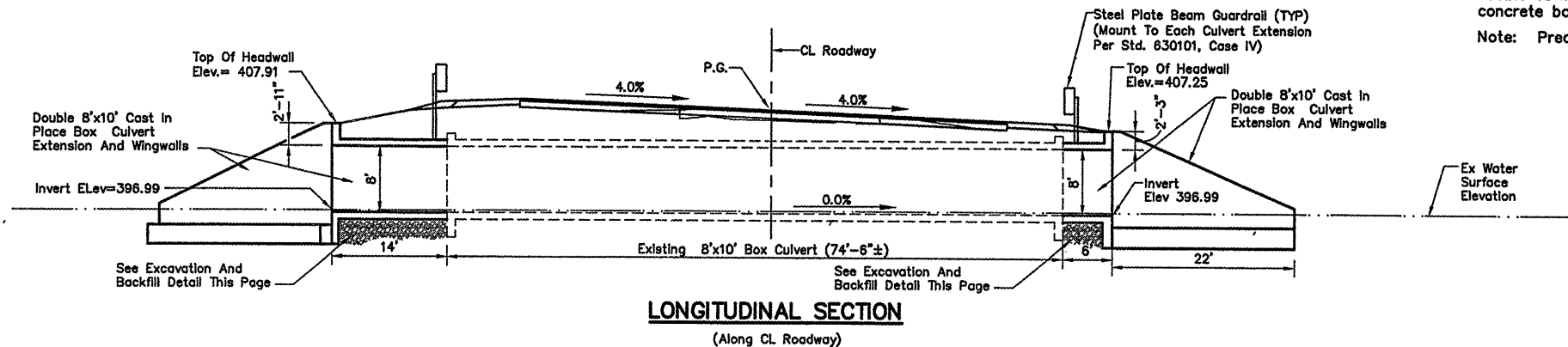
Off shoulder development. Staged construction
not required.

Scour analysis indicates stable conditions.
Stone revetment has been added for
wingwall footing protection.

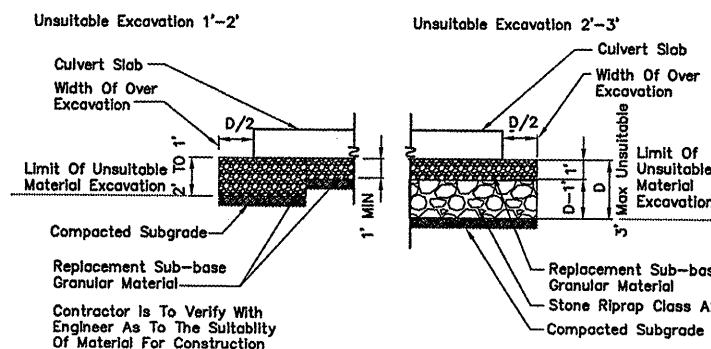
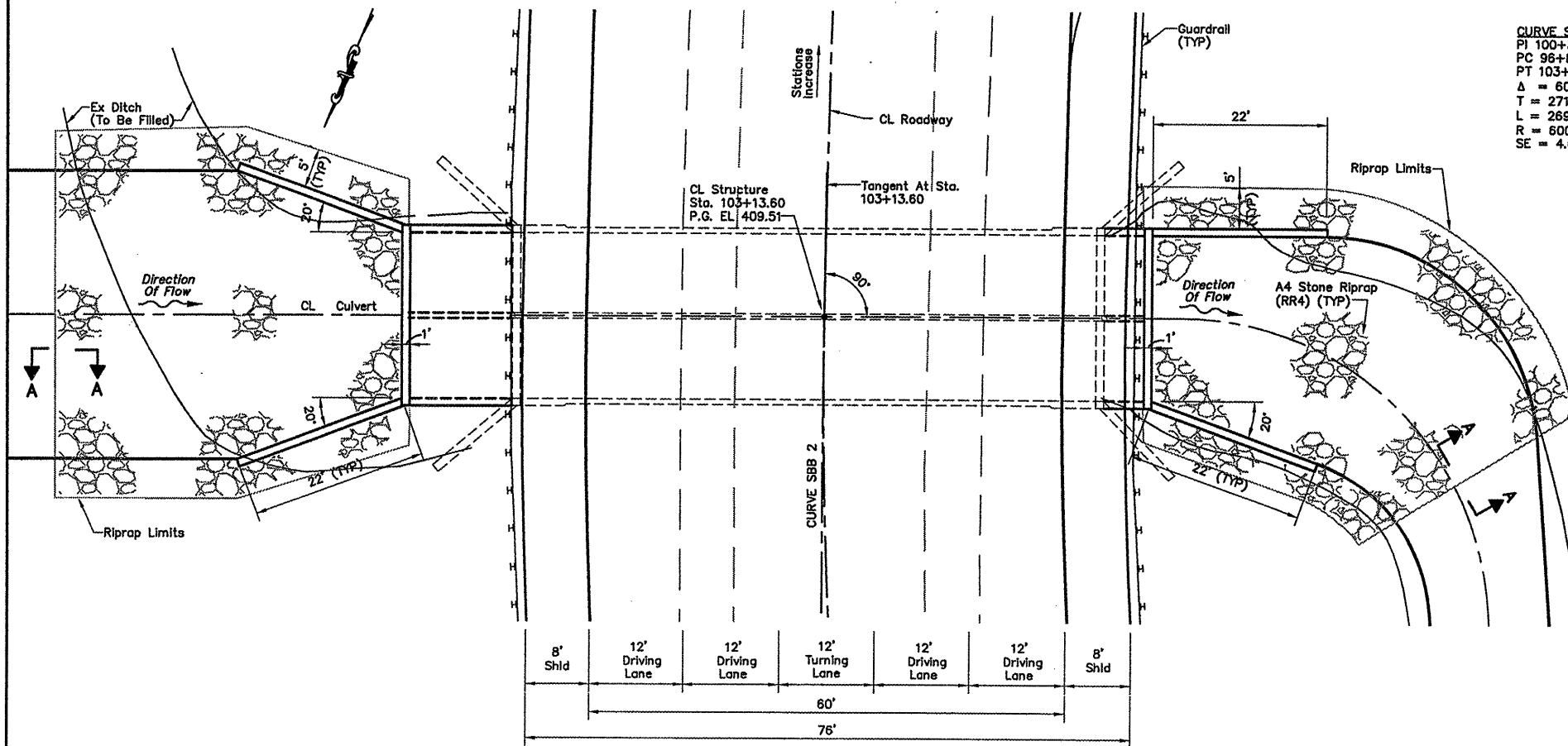
It shall be the Contractor's responsibility
to divert any stream flow.

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|----------------|-----------|-------------------|-----------|
| FAU 9212 | 99-00009-01-FP | ST. CLAIR | | 74 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT- | |
| CULVERT TS&L | | | | |

The existing structure was investigated for the presence of asbestos during the preliminary design phase and was found to NOT contain asbestos. Documentation confirming this finding was provided to the Illinois Department of Transportation at that time to clear this project for approval.

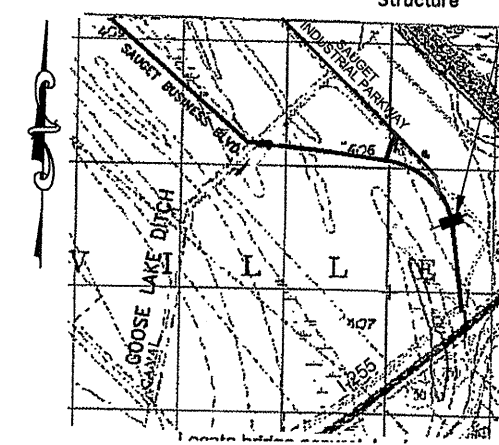


CURVE SBB 2
PI 100+33.36
PC 96+85.44
PT 103+16.02
Δ = 60°07'32"
T = 2713.44'
L = 269.56'
R = 600.00'
SE = 4.0%



EXCAVATION & BACKFILL

LOCATION MAP Proposed Structure



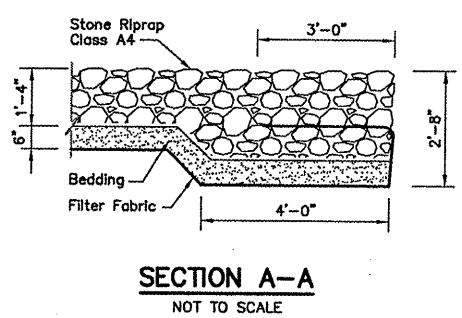
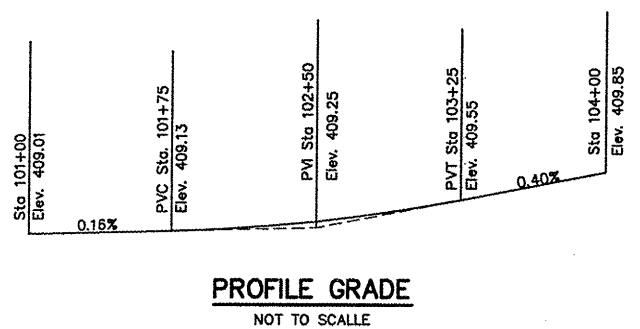
HIGHWAY CLASSIFICATION
Ill. Rte. 9212
Functional Class: Urban Collector
ADT: (2006); 17,530
DHV: 5,400
Design Speed: 40 m.p.h.
Posted Speed: 40 m.p.h.

LOADING HS20-44
Allow 50#/sq. ft. for future
wearing surface

DESIGN SPECIFICATIONS
2002 AASHTO
DESIGN STRESSES
FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi
(reinforcement)

GENERAL PLAN
NEW SAUGET BUSINESS BLVD.
OVER ICRR DITCH
F.A.U. ROUTE 9212 -SECTION
97-00009-01-FP
ST. CLAIR COUNTY
STATION 103+13.60
STRUCTURE No. 082-2031

| | |
|----------|-----|
| DESIGNED | JPG |
| CHECKED | MJS |
| DRAWN | PES |
| CHECKED | TPW |

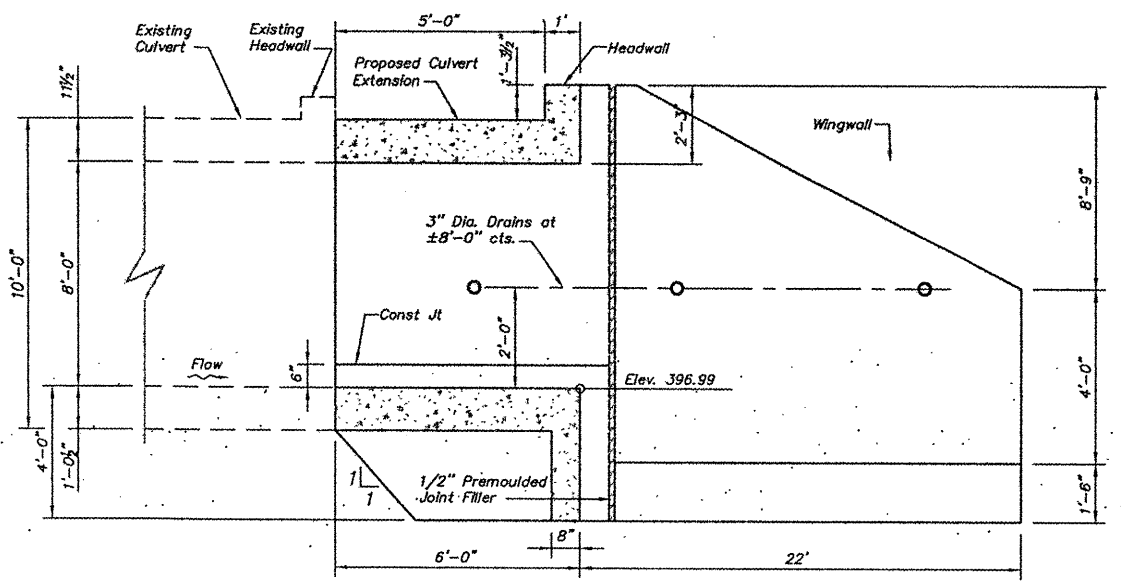


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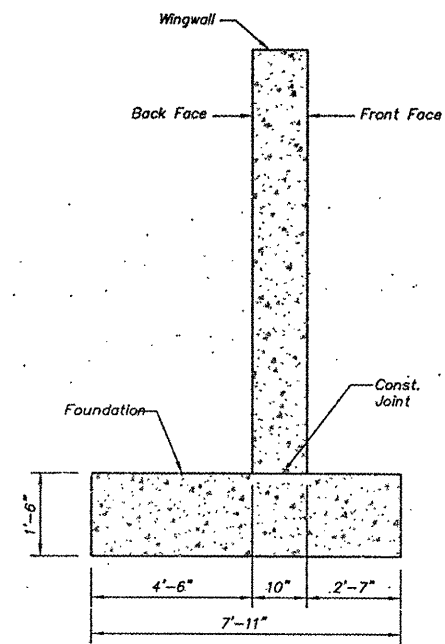
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Contract #97312

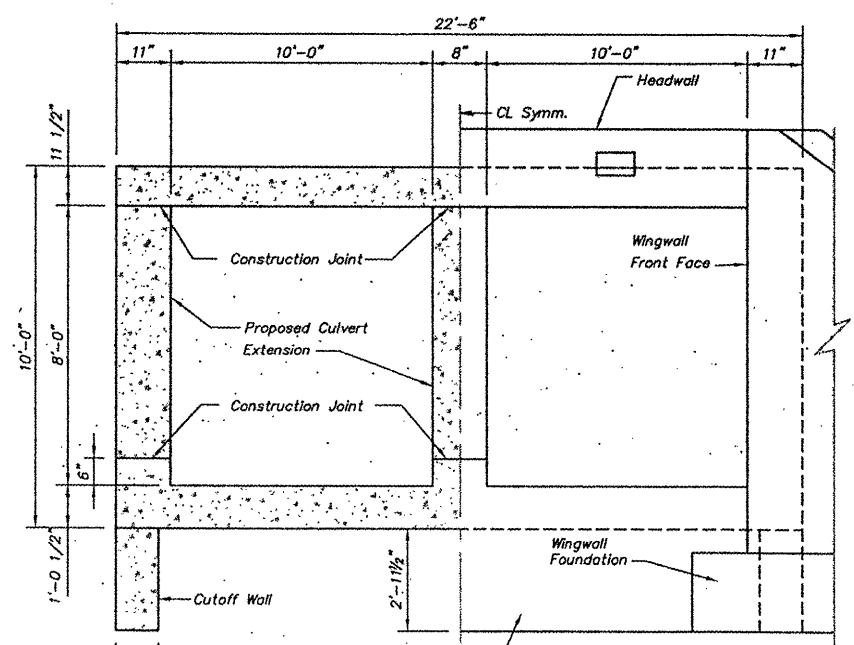
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|----------|-----------|--------------|-----------|
| - | 99-00009 | ST. CLAIR | | 75 |
| FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT- 98-089-97 | | | | |
| CULVERT STRUCTURAL | | | | |



SECTION B-B

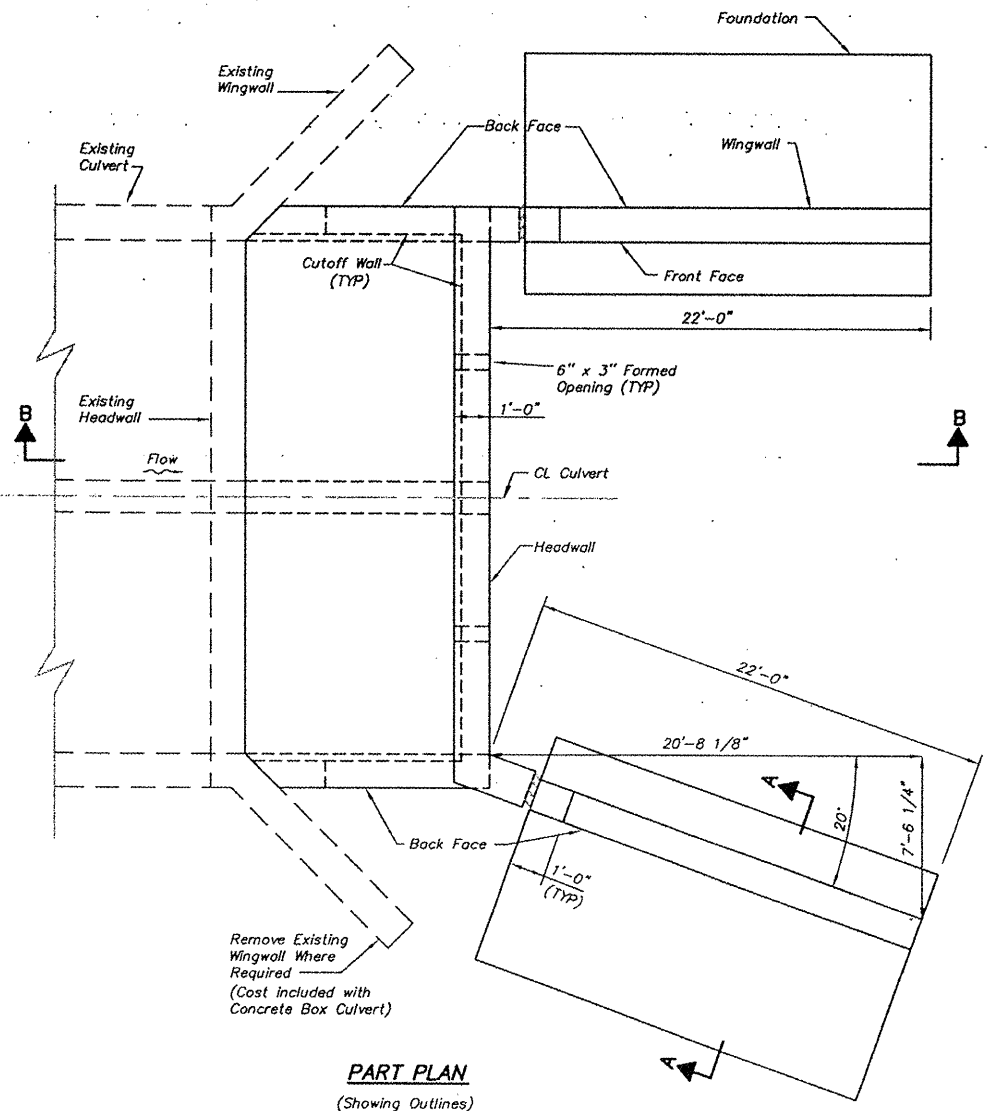


SECTION A-A

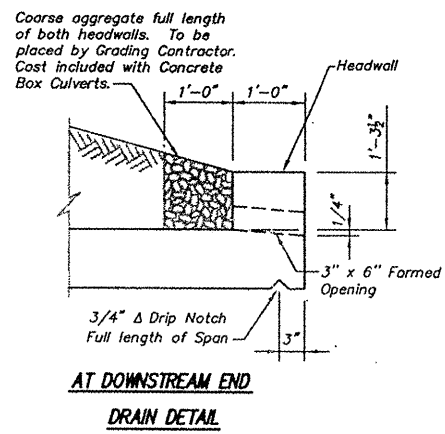


HALF SECTION THRU BARREL
(Showing Outlines)

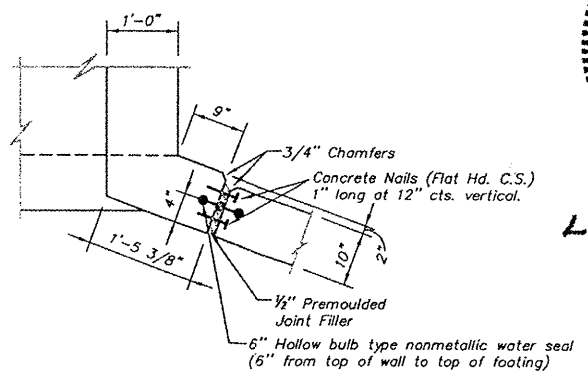
HALF END ELEVATION
(Showing Outlines)



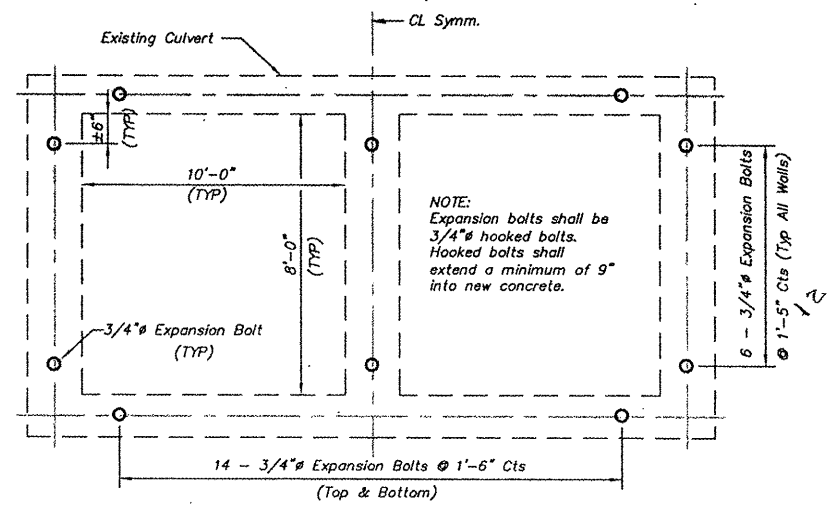
PART PLAN
(Showing Outlines)



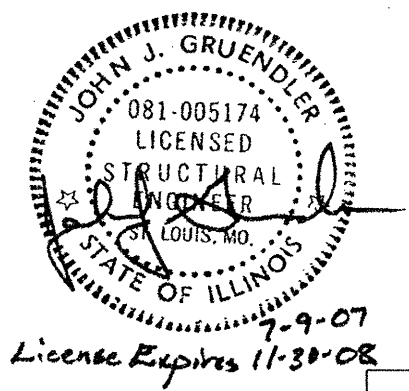
AT DOWNSTREAM END
DRAIN DETAIL



CORNER DETAIL



ELEVATION VIEW AT END OF EXISTING CULVERT
(Showing Expansion Bolt Layout)



| | |
|----------|-----|
| DESIGNED | * |
| CHECKED | * |
| DRAWN | PES |
| CHECKED | TPW |

| |
|-----------------------------------|
| 200 |
| EXAMINED |
| ENGINEER OF BRIDGE DESIGN |
| PASSED |
| ENGINEER OF BRIDGE AND STRUCTURES |

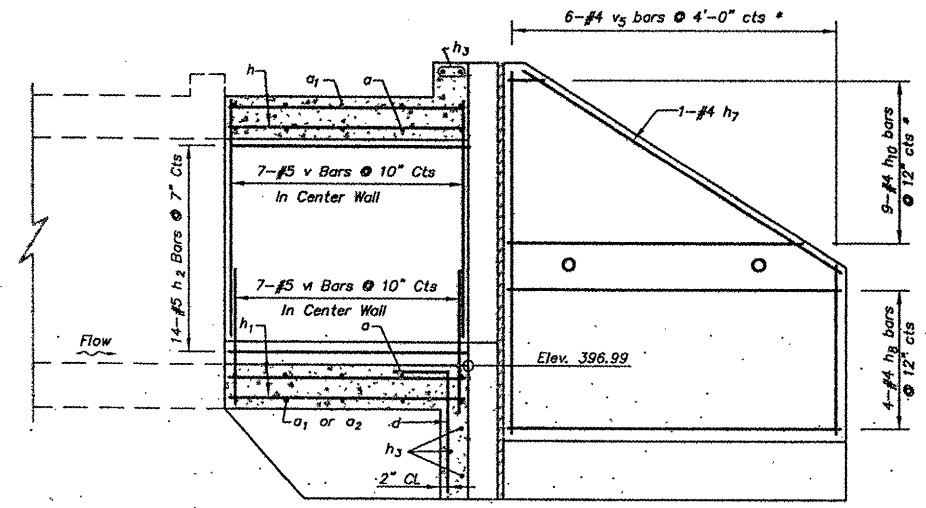
(Drawings not to scale)

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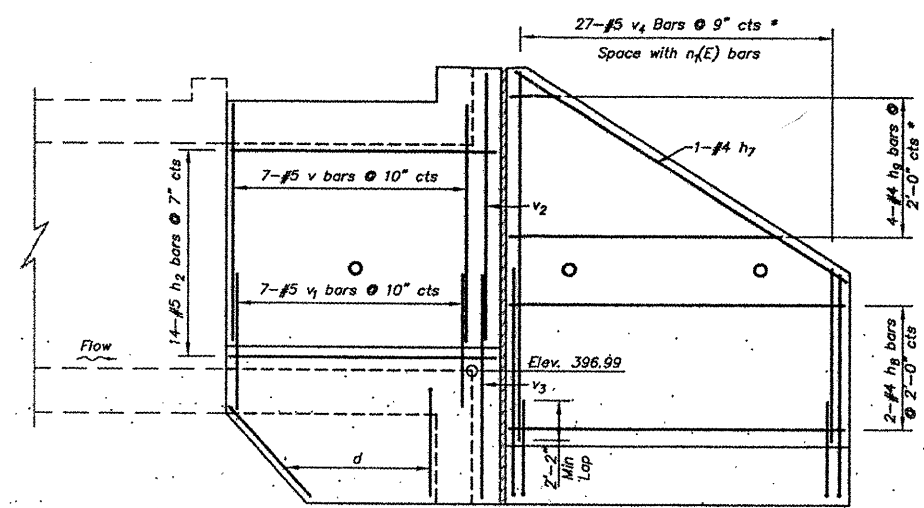
Contract #97312

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

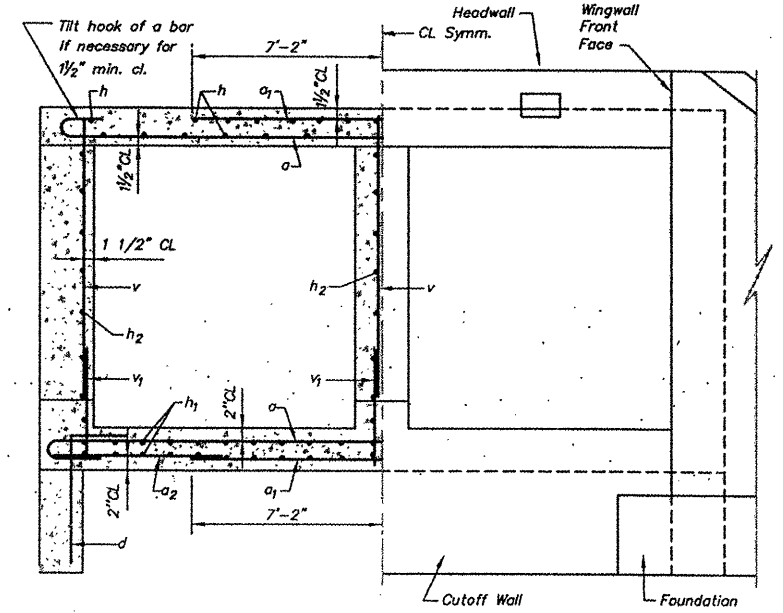
| | | | | |
|-----------------------|--------------------|-----------|-----------------------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| - | 99-00009 -01-FP | ST. CLAIR | | 76 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT- 98-089-97 | |
| CULVERT STRUCTURAL | | | | |



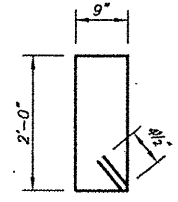
PART SECTION
(Showing Bars in Center Wall)
SECTION B-B
REINFORCEMENT FRONT FACE



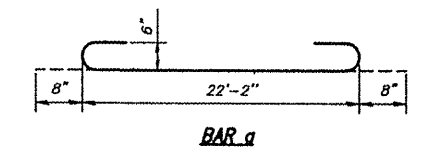
PART ELEVATION
(Showing Bars in Outside Wall)
ELEVATION C-C
REINFORCEMENT BACK FACE



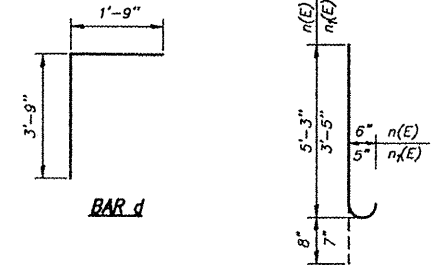
HALF SECTION THRU BARREL
(Showing Reinforcement)
HALF END ELEVATION



BAR s1

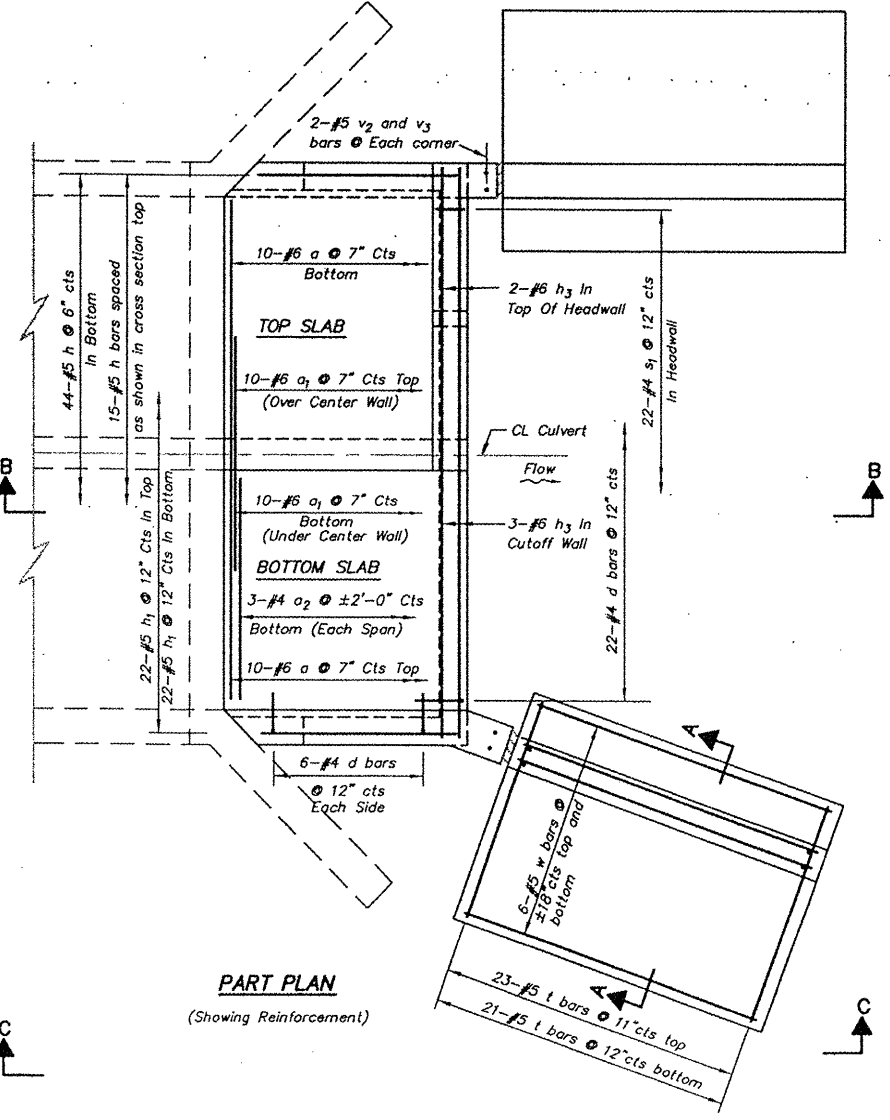


BAR d

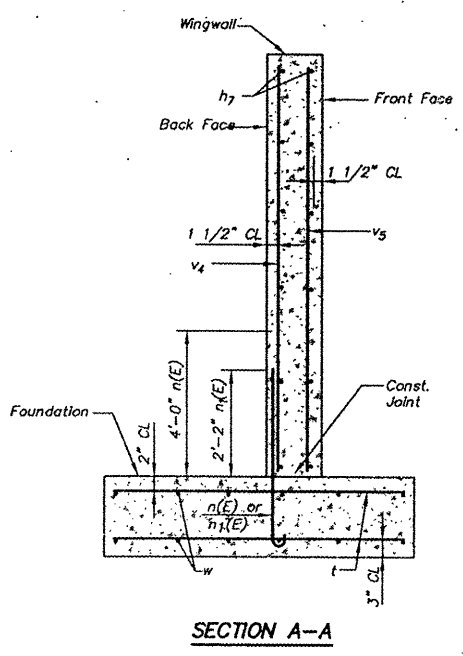


BARS n(E) and n(E)

Notes:
Reinforcement bars designated (E) shall be epoxy coated. Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

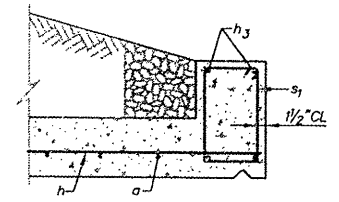
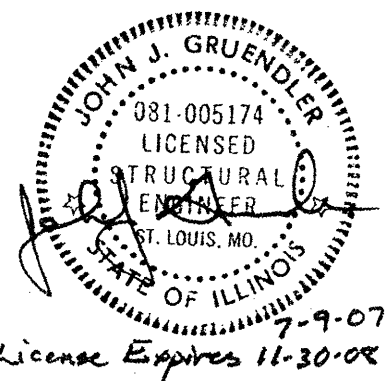


PART PLAN
(Showing Reinforcement)



SECTION A-A

Note:
Wingwall reinforcement similar each wingwall this end.



HEADWALL SECTION AT DOWNSTREAM END

| BILL OF MATERIAL | | | | |
|----------------------------------|-----|------|---------|-------|
| Bar | No. | Size | Length | Shape |
| a | 20 | #6 | 23'-6" | |
| a1 | 20 | #6 | 14'-4" | |
| a2 | 6 | #4 | 5'-7" | |
| d | 34 | #4 | 5'-6" | |
| h | 59 | #5 | 5'-8" | |
| h1 | 44 | #5 | 5'-8" | |
| h2 | 42 | #5 | 5'-8" | |
| h3 | 5 | #6 | 22'-2" | |
| h7 | 4 | #4 | 22'-1" | |
| h8 | 12 | #4 | 20'-11" | |
| h9 | 4 | #4 | 22'-10" | |
| h10 | 9 | #4 | 21'-1" | |
| n(E) | 56 | #6 | 5'-11" | |
| n(E) | 54 | #5 | 4'-0" | |
| s1 | 22 | #4 | 6'-3" | |
| t | 88 | #5 | 7'-8" | |
| v | 21 | #5 | 8'-4" | |
| v1 | 21 | #5 | 2'-11" | |
| v2 | 4 | #5 | 10'-3" | |
| v3 | 4 | #5 | 5'-11" | |
| v4 | 27 | #5 | 16'-9" | |
| v5 | 6 | #4 | 16'-8" | |
| w | 24 | #5 | 20'-11" | |
| Concrete Box Culverts | | | Cu. Yd. | 48.5 |
| Reinforcement Bars, Epoxy Coated | | | Pound | 720 |
| Reinforcement Bars | | | Pound | 4900 |

| | |
|----------|-----|
| DESIGNED | * |
| CHECKED | * |
| DRAWN | PES |
| CHECKED | TPW |

| | |
|----------|-----------------------------------|
| 200 | |
| EXAMINED | ENGINEER OF BRIDGE DESIGN |
| PASSED | ENGINEER OF BRIDGE AND STRUCTURES |

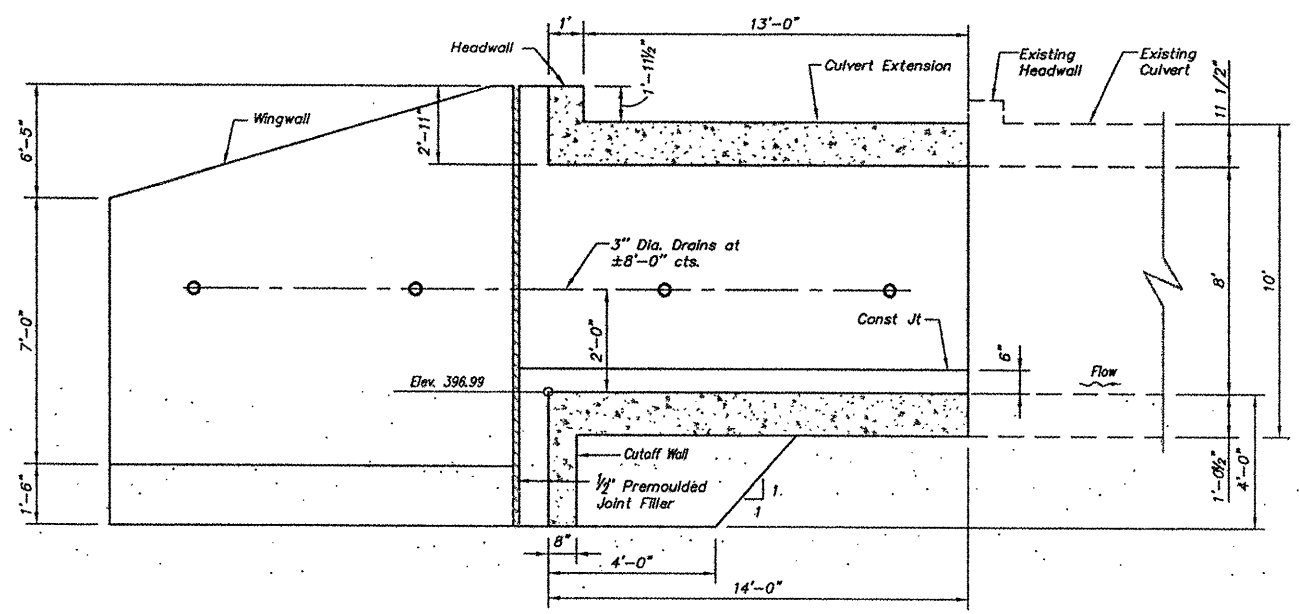
(Drawings not to scale.)

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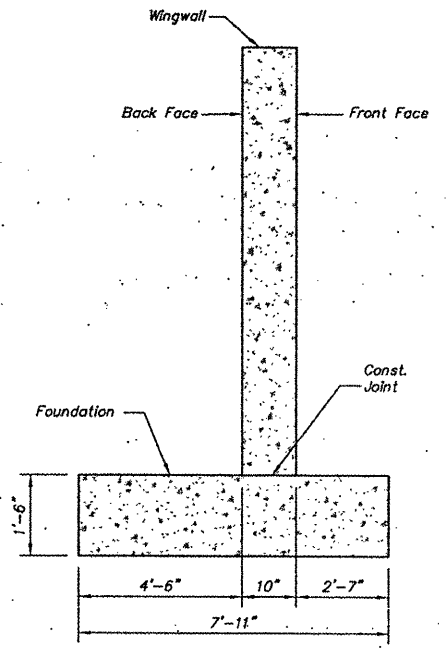
Contract # 97312

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

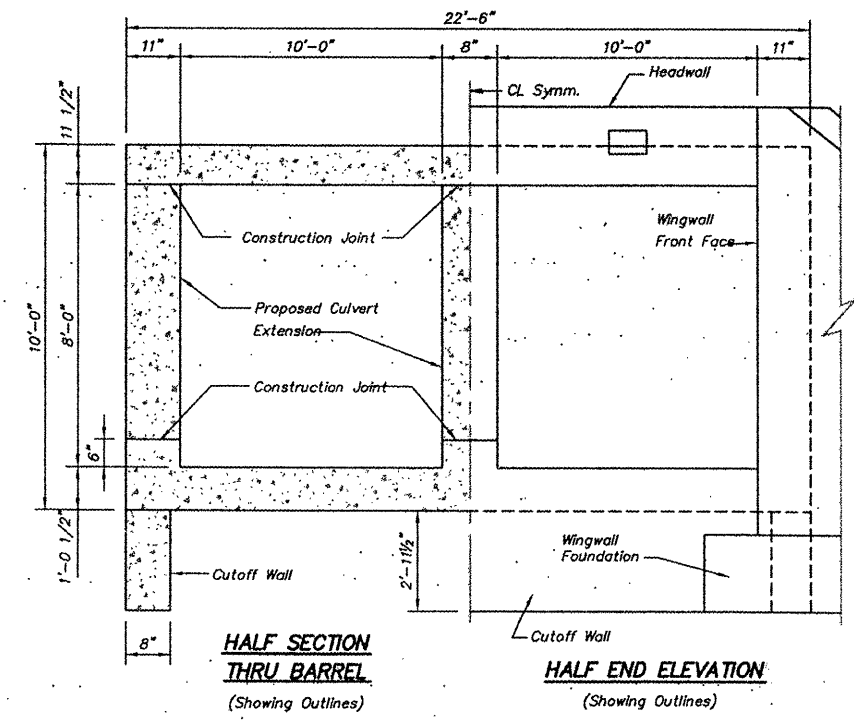
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|----------------|-----------|-----------------------------|-----------|
| - | 99-00009-01-FP | ST. CLAIR | | 77 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT- 98-089-97 | |
| CULVERT STRUCTURAL | | | | |



SECTION B-B

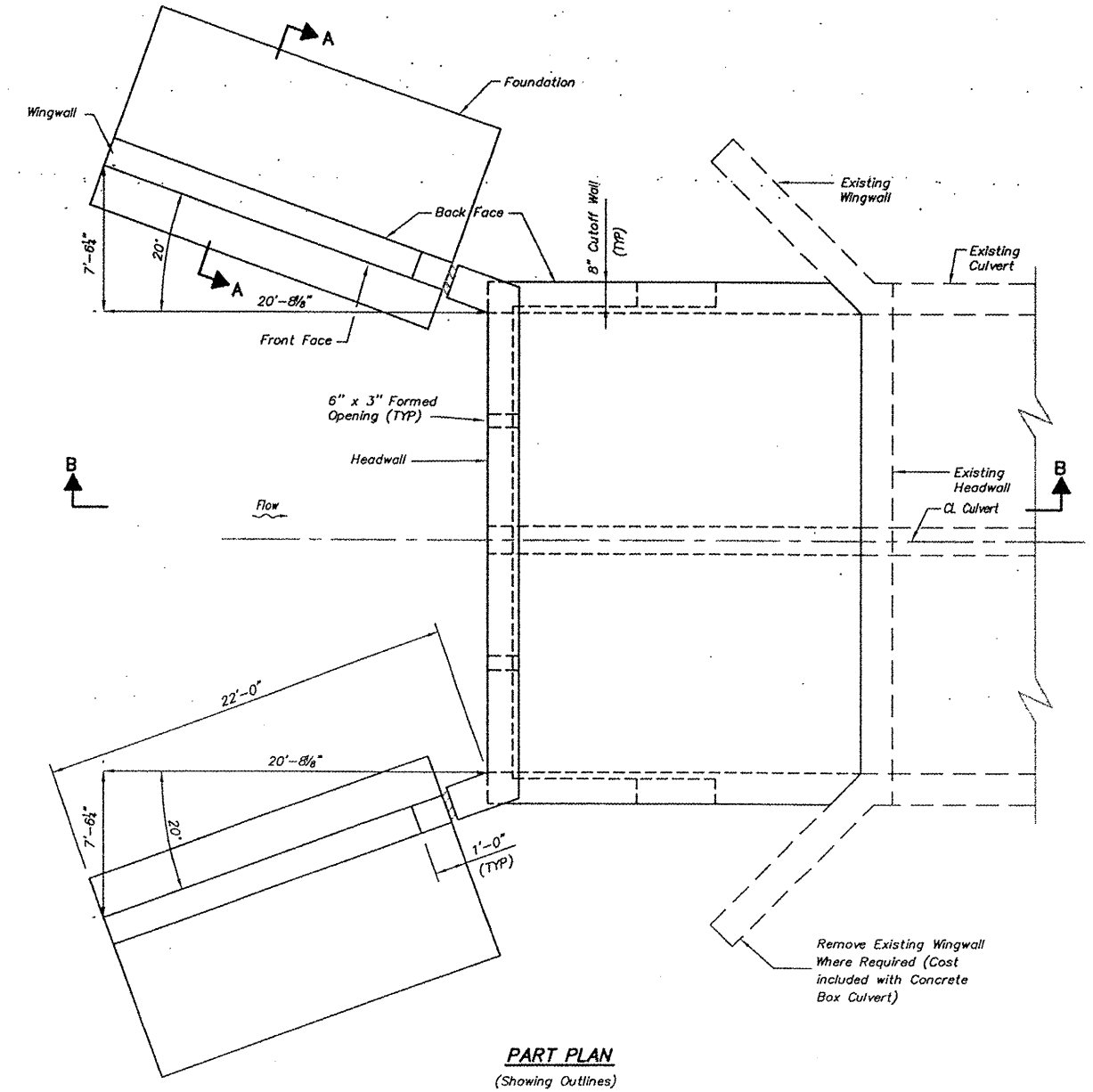


SECTION A-A

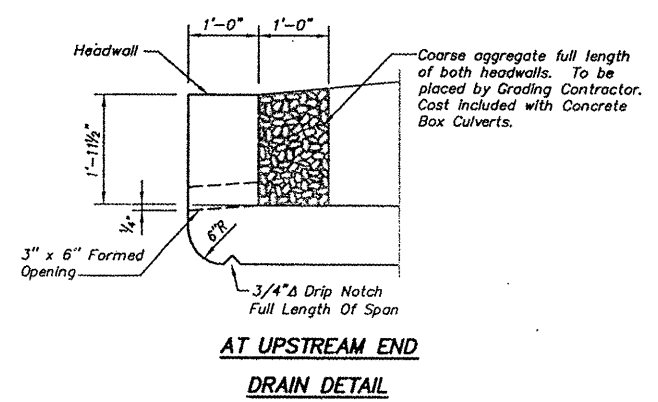


HALF SECTION THRU BARREL
(Showing Outlines)

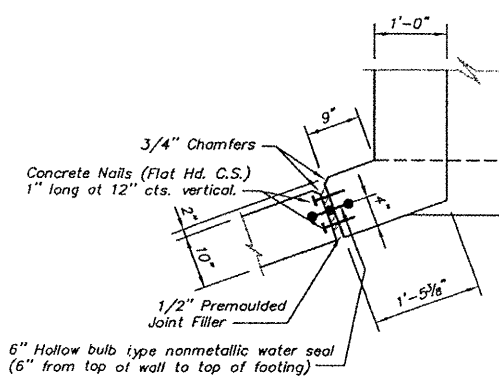
HALF END ELEVATION
(Showing Outlines)



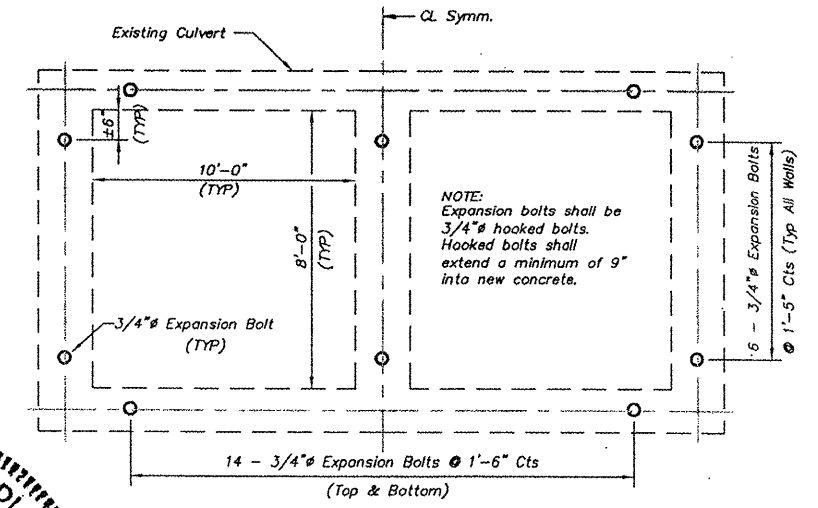
PART PLAN
(Showing Outlines)



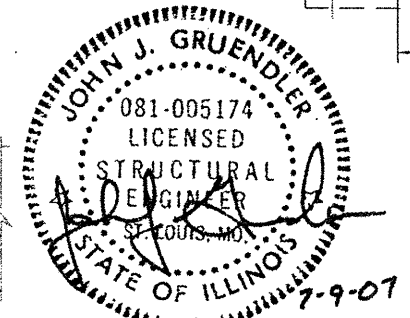
AT UPSTREAM END
DRAIN DETAIL



CORNER DETAIL



ELEVATION VIEW AT END OF
EXISTING CULVERT
(Showing Expansion Bolt Layout)



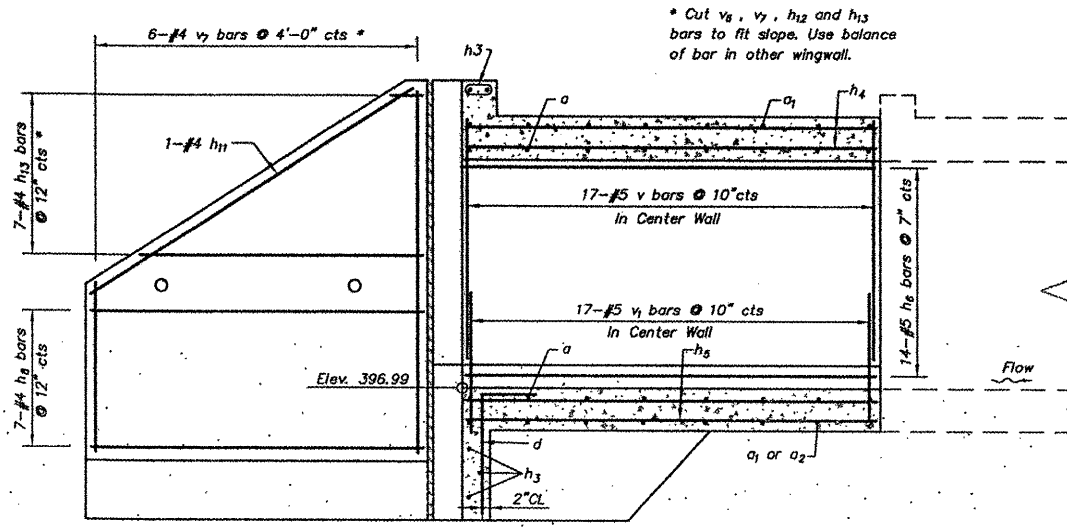
| | | |
|----------|-----|---|
| DESIGNED | * | 200 |
| CHECKED | * | EXAMINED ENGINEER OF BRIDGE DESIGN |
| DRAWN | PES | PASSED ENGINEER OF BRIDGE AND STRUCTURES |
| CHECKED | TPW | |

(Drawings Not To Scale)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

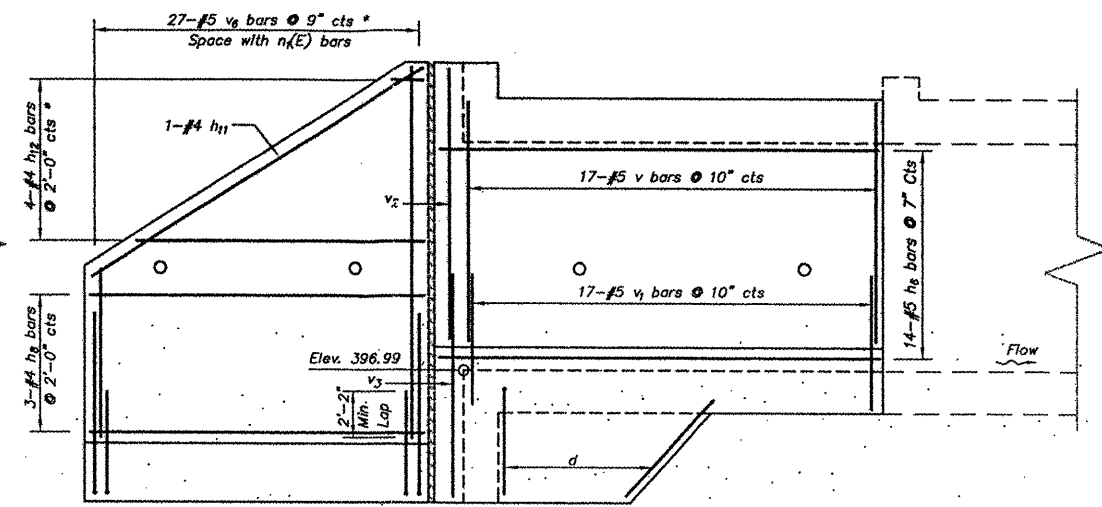
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|-----------------------|----------|-----------|-----------------------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| - | 99-00009 | ST. CLAIR | | 78 |
| FED. ROAD DIST. NO. 8 | | ILLINOIS | FED. AID PROJECT- 98-089-97 | |
| CULVERT STRUCTURAL | | | | |



REINFORCEMENT
FRONT FACE

SECTION B-B

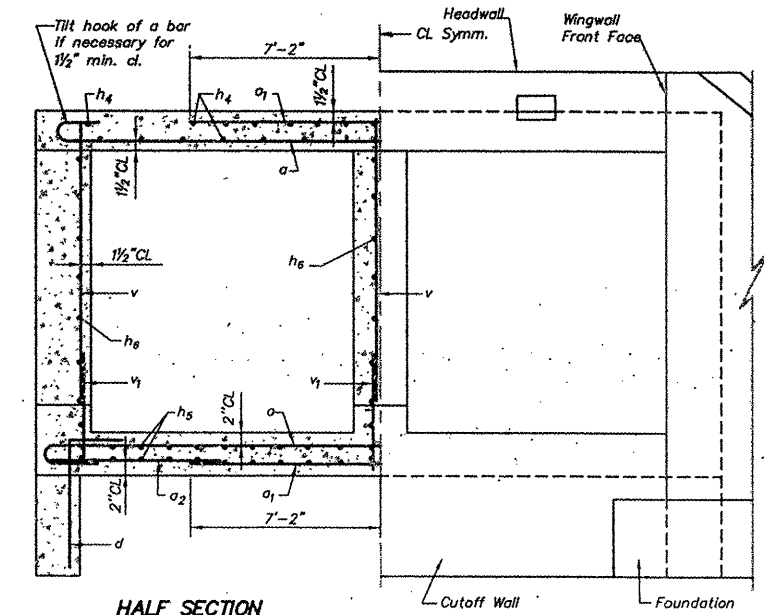
PART SECTION
(Showing Bars in Center Wall)



REINFORCEMENT
BACK FACE

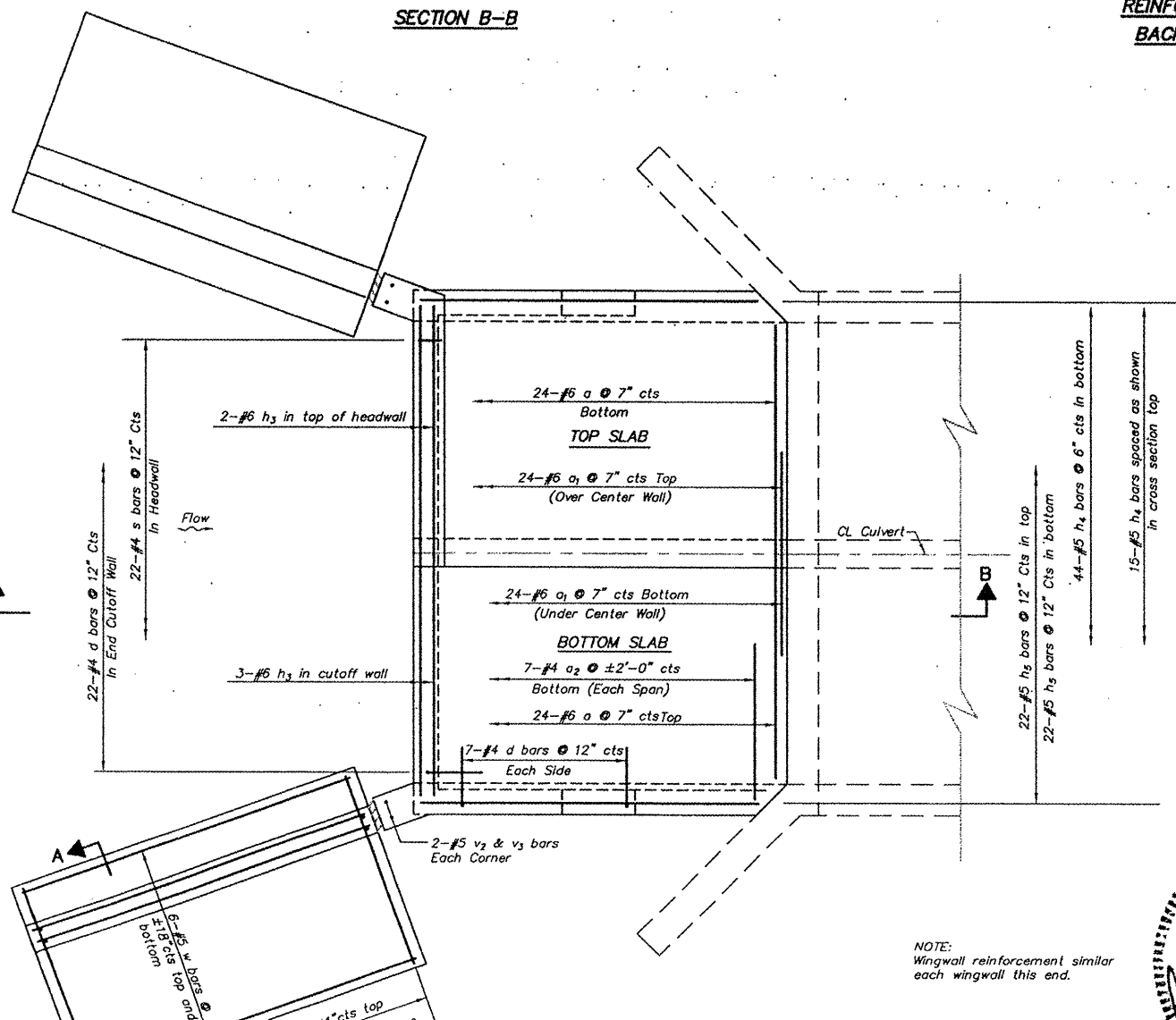
PART ELEVATION
(Showing bars in Outside Wall)

ELEVATION C-C



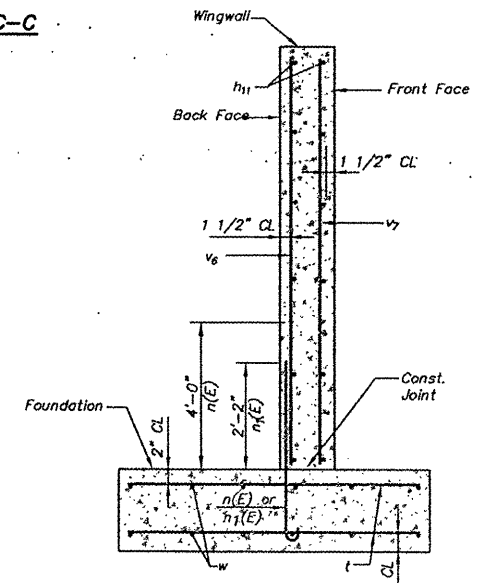
HALF SECTION
THRU BARREL
(Showing Reinforcement)

HALF END ELEVATION

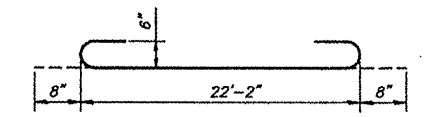


PART PLAN
(Showing Reinforcement)

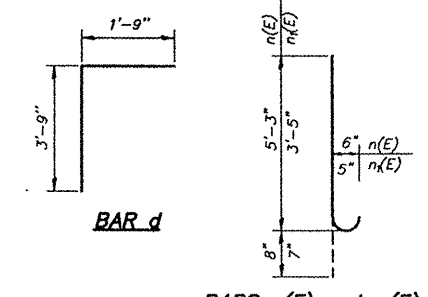
NOTE:
Wingwall reinforcement similar
each wingwall this end.



SECTION A-A



BAR a

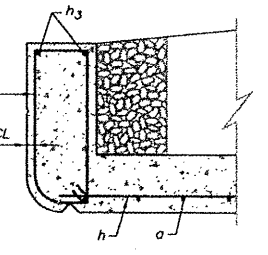
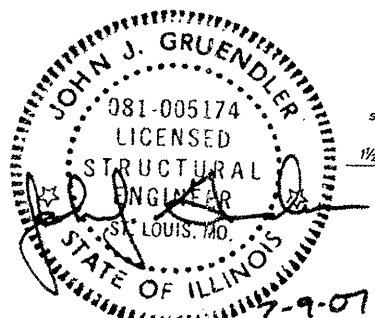


BAR d

BARS n(E) and n1(E)

Notes:
Reinforcement bars designated (E) shall
be epoxy coated. Bars indicated thus
12x4-#5 etc. indicates
12 lines of bars with 4 lengths per line.

| BILL OF MATERIAL | | | | |
|-------------------------------------|-----|------|---------|-------|
| Bar | No. | Size | Length | Shape |
| a | 48 | #6 | 23'-6" | U |
| a1 | 48 | #6 | 14'-4" | U |
| a2 | 14 | #4 | 5'-7" | U |
| d | 36 | #4 | 5'-6" | U |
| h3 | 5 | #8 | 22'-2" | U |
| h4 | 59 | #5 | 13'-8" | U |
| h5 | 44 | #5 | 13'-8" | U |
| h6 | 42 | #5 | 13'-8" | U |
| h8 | 20 | #4 | 20'-11" | U |
| h11 | 4 | #4 | 21'-3" | U |
| h12 | 4 | #4 | 22'-2" | U |
| h13 | 7 | #4 | 20'-10" | U |
| n(E) | 56 | #6 | 5'-11" | U |
| n1(E) | 54 | #5 | 4'-0" | U |
| s | 22 | #4 | 7'-5" | U |
| t | 88 | #5 | 7'-8" | U |
| v | 51 | #5 | 8'-4" | U |
| v1 | 51 | #5 | 2'-11" | U |
| v2 | 4 | #5 | 10'-3" | U |
| v3 | 4 | #5 | 5'-11" | U |
| v6 | 27 | #5 | 20'-4" | U |
| v7 | 6 | #4 | 20'-3" | U |
| w | 24 | #5 | 20'-11" | U |
| Concrete Box Culverts | | | Cu. Yd. | 70.8 |
| Reinforcement bars, Epoxy Coated | | | Pound | 720 |
| Reinforcement bars | | | Pound | 8290 |



HEADWALL SECTION
AT UPSTREAM END

| | | |
|----------|-----|--|
| DESIGNED | * | |
| CHECKED | * | |
| DRAWN | PES | |
| CHECKED | TPW | |

| | |
|----------|-----|
| | 200 |
| EXAMINED | |
| PASSED | |

ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGE AND STRUCTURES

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CONTRACT #07312

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

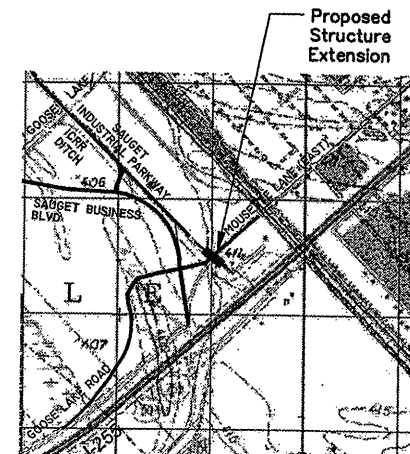
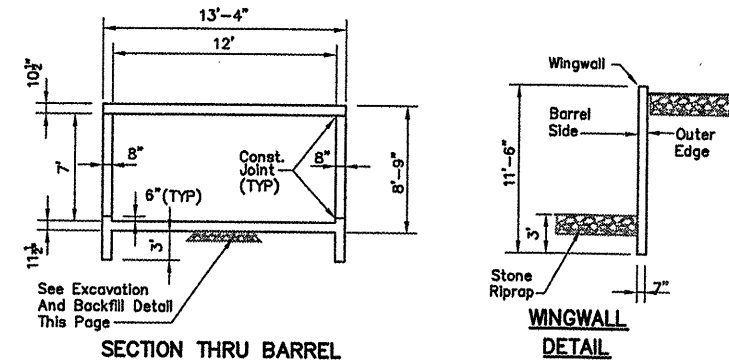
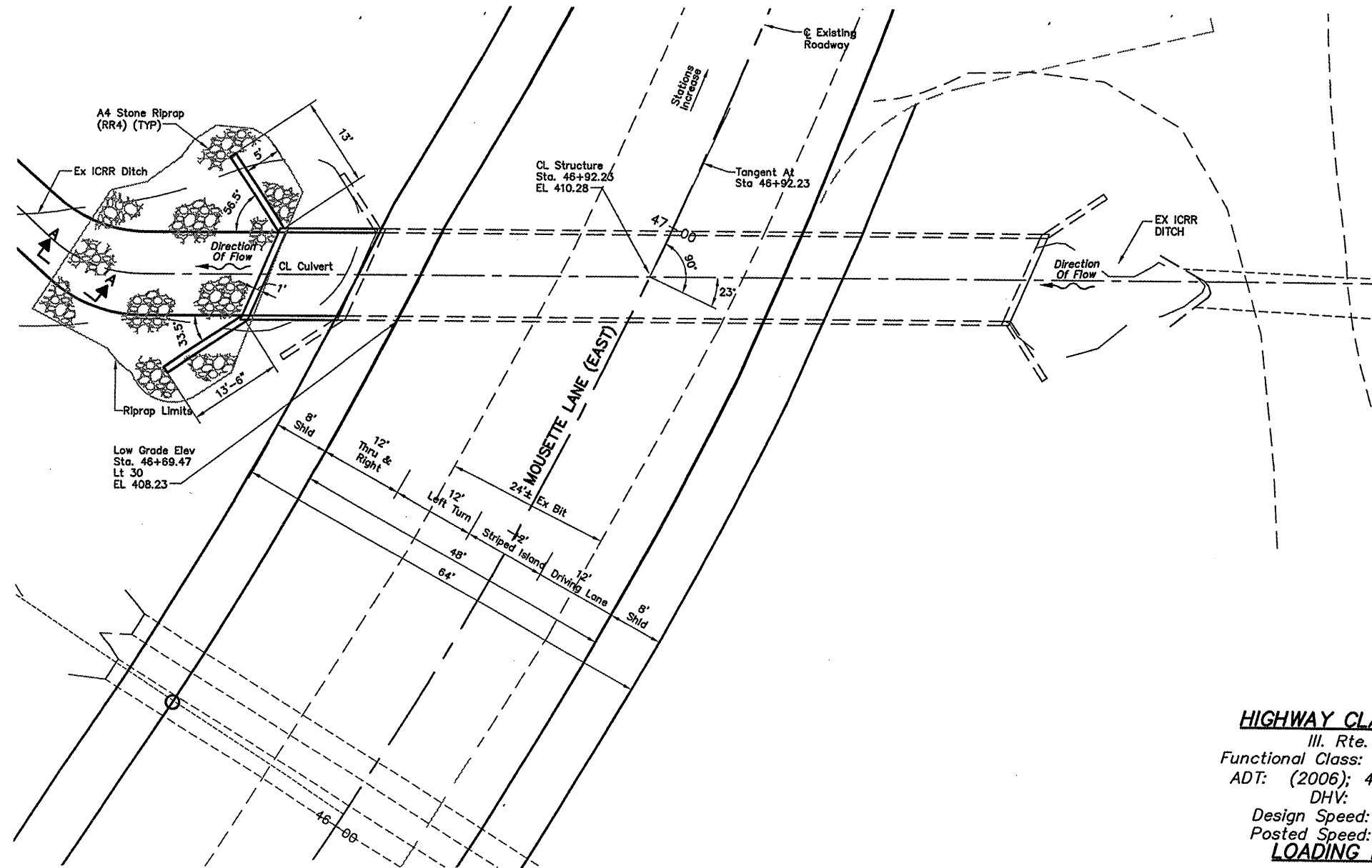
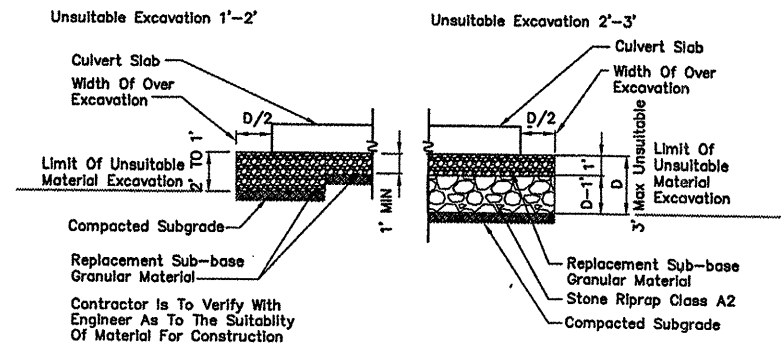
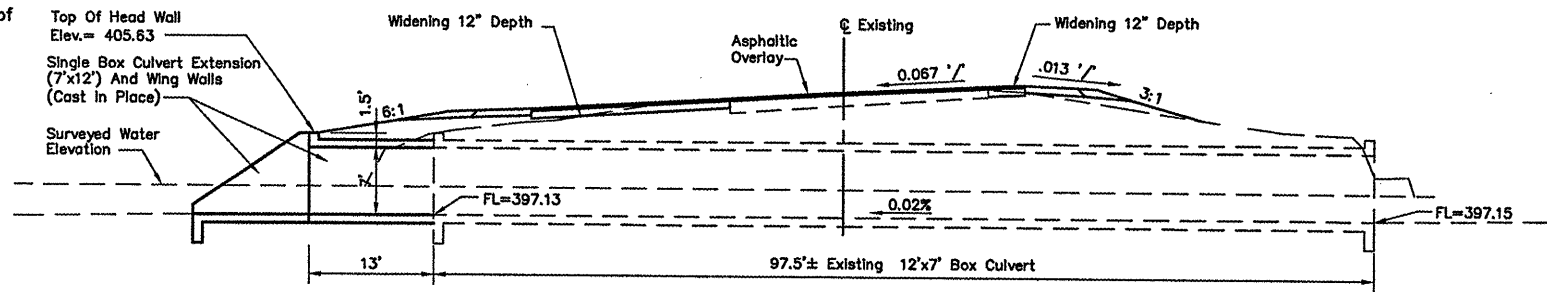
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|----------------|-----------|-------------------|-----------|
| FAU 9200 | 99-00009-01-FP | ST. CLAIR | | 79 |
| FED. ROAD DIST. NO. 6 | | ILLINOIS | FED. AID PROJECT- | |
| CULVERT TS&L | | | | |

Bench Mark:
The letter "M" in Mueller on a fire hydrant ±50'
East on Mousette Lane (East) and ± North of
Sauget Industrial Parkway. El 412.52.

Note: Precast alternate not allowed.

It shall be the Contractor's responsibility
to divert any stream flow and is
incidental to the construction of the
structure.

The existing structure was investigated
for the presence of asbestos during the
preliminary design phase and was found
NOT to contain asbestos. Documents
confirming this finding was provided to
the Illinois Department of Transportation
at that time to clear this project for
approval.

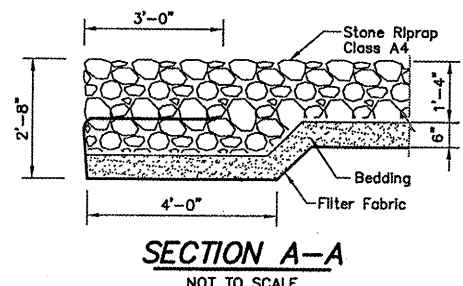
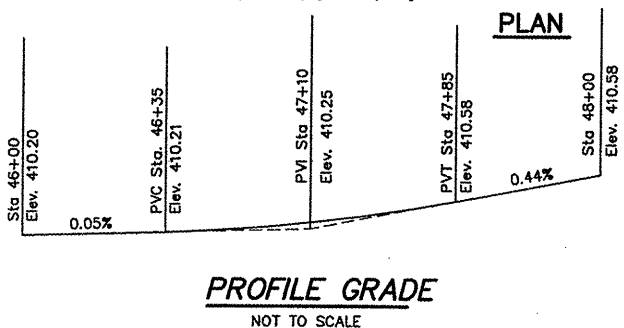


HIGHWAY CLASSIFICATION
Ill. Rte. 9200
Functional Class: Urban Collector
ADT: (2006); 4,850 (2026) 7,230
DHV: 1,495
Design Speed: 40 m.p.h.
Posted Speed: 40 m.p.h.
LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface

DESIGN SPECIFICATIONS
1996 - AASHTO Standard Specification for Highway Bridges with 1997, 1998 and 1999 Interims
DESIGN STRESSES
FIELD UNITS
 $f'_c = 3,500 \text{ psi}$
 $f'_y = 60,000 \text{ psi}$ (reinforcement)

GENERAL PLAN
MOUSETTE LANE (EAST)
OVER ICRR DITCH
F.A.U. ROUTE 9200 -SECTION
97-00009-01-FP
ST. CLAIR COUNTY
STATION 46+92.23

| | |
|----------|-----|
| DESIGNED | JPG |
| CHECKED | MJS |
| DRAWN | PES |
| CHECKED | TPW |



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