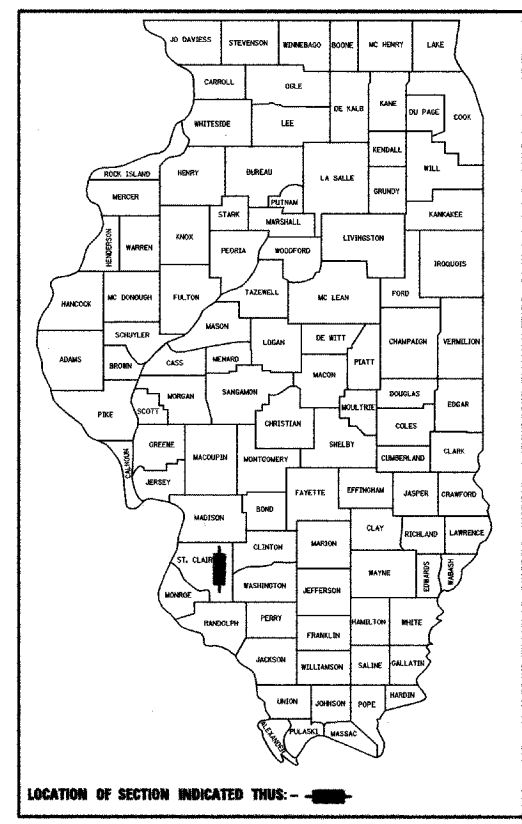


SECTION 02-00053-00-RP		
SIMMONS ROAD	TOTAL SHEETS	SHEET NO.
	43	1
CITY OF O'FALLON, ILLINOIS		
FEDERAL AID PROJECT		
CONTRACT NO. 97261		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PLANS FOR PROPOSED LOCAL AGENCY PROJECT



### INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES & ALIGNMENT TIES
- 3 SUMMARY OF QUANTITIES
- 4-8 TYPICAL SECTIONS
- 9-12 SCHEDULE OF QUANTITIES
- 13-18 PLAN & PROFILE
- 19-20 INTERSECTION DETAILS
- 21 SUPERELEVATION DETAIL
- 22 DETAILS
- 23-43 CROSS SECTIONS

### IDOT HIGHWAY STANDARDS

280001-02	602701	BLR 14-9
420001-06	604006-02	BLR17-3
420111-01	604011-02	BLR18-4
420701-01	604036-01	BLR21-6
424001-04	606001-02	BLR22-4
542301	701501-03	
602301	702001-05	
602306	780001-01	
602401	000001-04	
602601	BLR10-5	

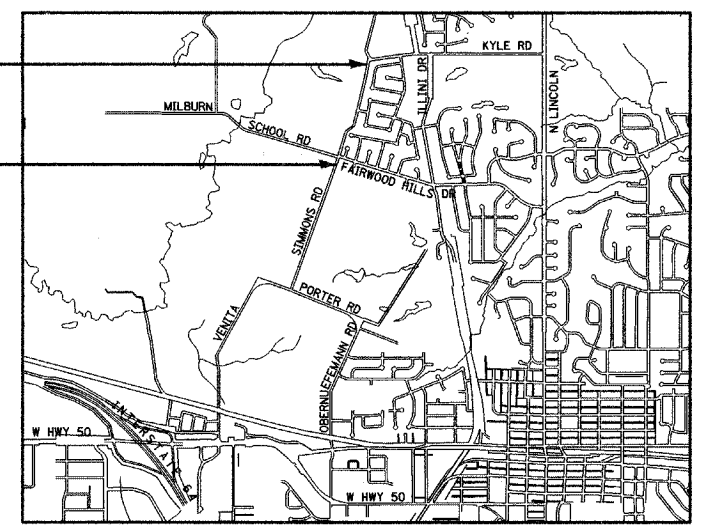
**FAU ROUTE 9170 (SIMMONS RD)  
SECTION 02-00053-00-RP  
PROJECT NO. M-5011(190)  
CITY OF O'FALLON  
ST. CLAIR COUNTY  
JOB NO. C-98-309-05**

### DESIGN DESIGNATION

F.A.U.S. 9170 (SIMMONS ROAD) - URBAN COLLECTOR  
2026 ADT = 6,260  
DESIGN SPEED = 30 mph

**END CONSTRUCTION**  
STA 32+38.00

**BEGIN CONSTRUCTION**  
STA 9+00.70

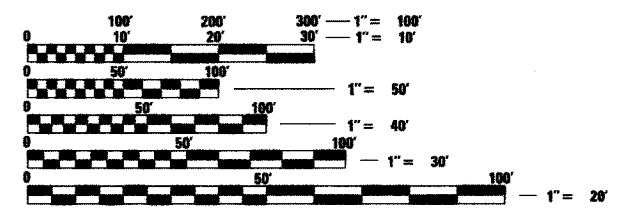


**LOCATION MAP**

GROSS LENGTH OF PROJECT = 2337.30 FEET (0.443 MILES)  
NET LENGTH OF PROJECT = 2337.30 FEET (0.443 MILES)

**PLANS PREPARED BY**  
**HORNER & SHIFRIN, INC.**

ENGINEERS ■ ARCHITECTS ■ PLANNERS  
141 MARKET PLACE SUITE 208 ■ FAIRVIEW HEIGHTS, ILLINOIS 62208  
5200 OAKLAND AVENUE ■ ST. LOUIS, MISSOURI 63110  
www.hornershifrin.com



**FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.**

**J.U.I.E.**  
**JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION**  
**1-800-892-0123**

City of O'Fallon, Illinois  
255 South Lincoln  
O'Fallon, Illinois 62269  
Phone: (618) 624-4500  
Fax: (618) 624-4508  
www.ofallon.org

SUBMITTED SEPTEMBER 23 20 05

*Dary L. Graham*  
MAYOR, CITY OF O'FALLON, ILLINOIS

PASSED NOV 7 20 05

*Jennifer Oberthur*  
DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

APPROVED Mary C. Lamm 11/10/05

MARY C. LAMIE, DEPUTY DIRECTOR OF HIGHWAYS, REGION FIVE ENGINEER

*Steven R. Donahue* 9/20/05  
STEVEN R. DONAHUE, P.E. Date  
License Expires 11/30/2005

Plot Date: 9/20/2005 9:20:20 AM  
Plot Time: 10:27:13 AM  
Plotted By: sdonahue  
Filename: I:\03005\CAD\T\Construction\Plans\Cover.dgn

## GENERAL NOTES

SECTION 02-00053-00-RP		
SIMMONS ROAD	TOTAL SHEETS 43	SHEET NO. 2
CITY OF O'FALLON, ILLINOIS		
FEDERAL AID PROJECT		
CONTRACT NO. 97261		

1. 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 MARKERS AND MONUMENTS UNTIL THE OWNER AND AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED, OR OTHERWISE REFERENCED THEIR LOCATION.
2. EXISTING UNDERGROUND AND ABOVE-GRADE FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED ON THESE CONTRACT DOCUMENTS BASED UPON THE INFORMATION AND SURVEYS AVAILABLE AT THE TIME OF DRAWING PREPARATION. THE LOCATION OF THESE FEATURES MUST, THEREFORE, BE CONSIDERED APPROXIMATE ONLY. IN ADDITION, THERE MAY BE OTHER FACILITIES, STRUCTURES, AND UTILITIES WHICH DID NOT EXIST (OR THE EXISTENCE OF WHICH WAS NOT KNOWN) AT THE TIME OF DRAWING PREPARATION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR(S) TO HAVE ALL EXISTING FACILITIES, STRUCTURES, AND UTILITIES LOCATED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY; AND TO PROTECT ALL SUCH EXISTING FEATURES (EXCEPT THOSE SPECIFICALLY NOTED FOR REMOVAL OR DEMOLITION) DURING CONSTRUCTION.
3. THE THICKNESS OF BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
4. FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL BITUMINOUS CONCRETE	2.016	TONS/CU. YD.
ALL AGGREGATE	2.05	TONS/CU. YD.
BITUMINOUS MATERIALS:		
ON PAVEMENT	0.09	GAL./SQ. YD.
INTERMEDIATE LIFTS(FOG COAT)	0.04	GAL./SQ. YD.
ON AGGREGATE SURFACE	0.32	GAL./SQ. YD.
AGGREGATE (PRIME COAT)	0.0015	TONS/SQ. YD.
RIPRAP	1.50	TONS/CU. YD.

5. TREES SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. GENERALLY, TREES OUTSIDE THE CLEAR ZONE, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, SHALL NOT BE DISTURBED.
6. TRENCH BACKFILL REQUIRED FOR STORM SEWER, SANITARY SEWER, OR WATER MAINS SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.

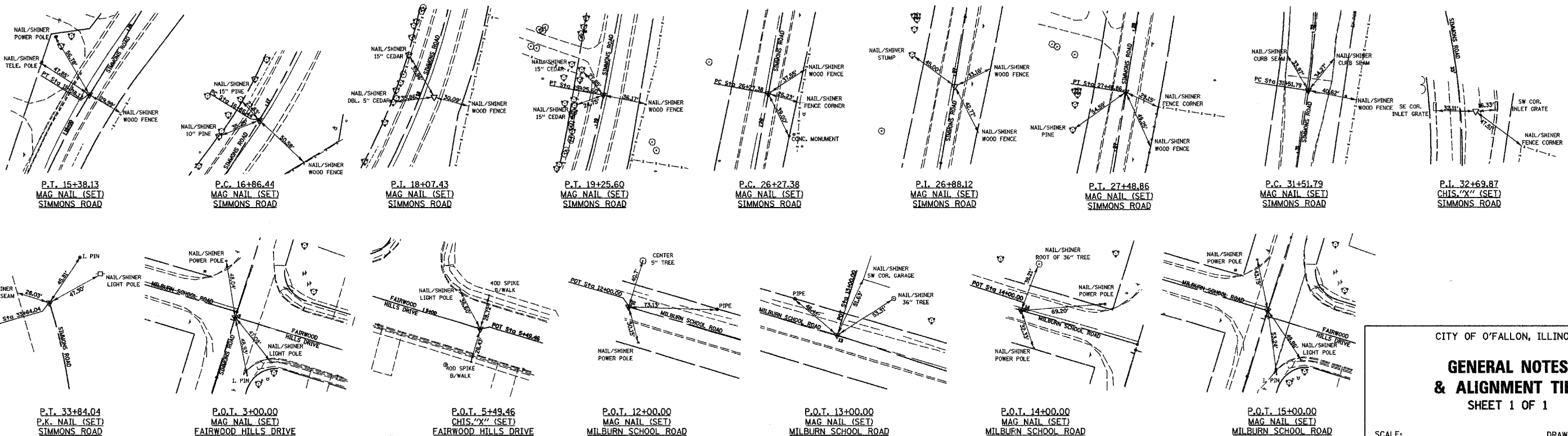
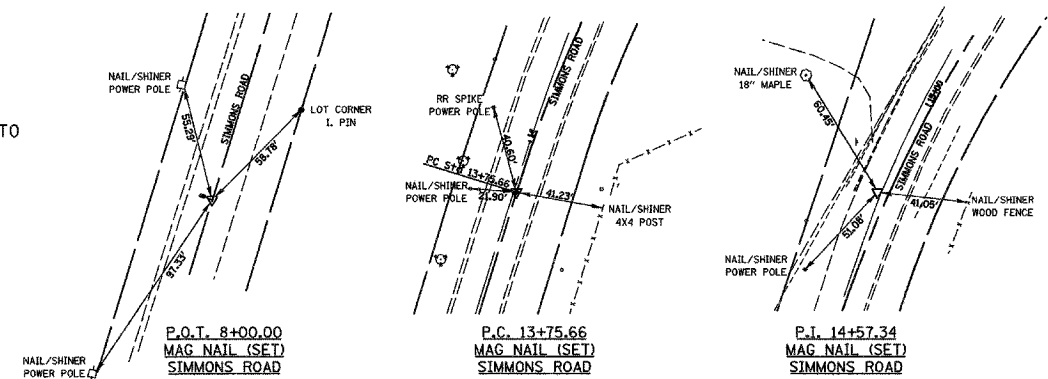
7. ALL CULVERT EXTENSIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH METHOD II AS SPECIFIED IN ARTICLE 542.05 OF THE STANDARD SPECIFICATIONS. PRIOR TO EXTENDING ANY CULVERT, THE ENTIRE LENGTH OF THE EXISTING CULVERT SHALL BE CLEANED OF ALL EARTH AND DEBRIS BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE EXTENSION.
8. CONNECTING OF NEW OR EXISTING STORM SEWER TO NEW OR EXISTING INLETS OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, STORM SEWER PIPE SHALL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES OF THE THE STORM SEWERS OR STRUCTURES INVOLVED.
9. FORMS FOR COMBINATION CONCRETE CURB AND GUTTER AND CONCRETE GUTTER TYPE A SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.
10. ALL PIPE CULVERTS DESIGNATED ON THE PLANS (R.C.C.P.) SHALL BE "REINFORCED CONCRETE CULVERT, STORM DRAIN AND SEWER PIPE" CONFORMING TO THE REQUIREMENTS OF ARTICLE 1040.03.
11. PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE OF CURB, AND MEDIAN SURFACE AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS OF ARTICLE 420.21.
12. THE BOUNDARIES OF ALL CURB & GUTTER REMOVAL, PAVEMENT REMOVAL, AND PATCHES WILL BE MADE USING A CONCRETE SAW. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB & GUTTER REMOVAL, PAVEMENT REMOVAL, AND / OR PATCHING.
13. THE CONTRACTOR SHALL NOTIFY IN WRITING THE FOLLOWING EMERGENCY SERVICES 14 DAYS PRIOR TO CLOSING SIMMONS ROAD TO THROUGH TRAFFIC:

BRENT SAUNDERS, FIRE CHIEF O'FALLON FIRE DEPARTMENT P.O. BOX 332 O'FALLON, IL 62269	JOHN BETTEN, DIRECTOR OF PUBLIC SAFETY 285 N. SEVEN HILLS ROAD O'FALLON, ILLINOIS 62269
--	--

NOTIFICATION SHALL ALSO BE GIVEN IN WRITING TO THE ABOVE EMERGENCY SERVICES AS TO THE OPENING DATE OF SIMMONS ROAD TO THROUGH TRAFFIC.

14. IN LOCATIONS REQUIRING BITUMINOUS SURFACE REMOVAL A TEMPORARY RAMP SHALL BE CONSTRUCTED TO PROVIDE A SMOOTH TRANSITION FROM THE EXISTING PAVEMENT. THIS WORK SHALL BE INCLUDED IN THE COST FOR BITUMINOUS SURFACE REMOVAL (BUTT JOINT).
15. THE REMOVAL AND RELOCATION OF EXISTING SIGNS ARE INCLUDED IN THE COST OF EARTH EXCAVATION AND INCLUDES REMOVAL AND INSTALLATION AT THE LOCATION SHOWN ON THE PLANS. ANY DAMAGED SIGNS AND/OR POSTS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
16. THE EARTH AROUND TYPE 8 GRATES SHALL BE GRADED TO DRAIN TO THE INLET. ADJUSTMENTS OF THE GRATE ELEVATION SHALL BE MADE TO ACCOUNT FOR CONDITIONS ENCOUNTERED IN THE FIELD. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR COMPLYING WITH THESE REQUIREMENTS.
17. THE REMOVAL OF AGGREGATE AND OIL & CHIP SURFACES IS INCLUDED IN THE COST OF EARTH EXCAVATION.
18. THE ADJUSTMENT OF WATER VALVES IMPACTED BY THE PROPOSED IMPROVEMENT ARE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT 8".

### ALIGNMENT TIES



CITY OF O'FALLON, ILLINOIS

### GENERAL NOTES & ALIGNMENT TIES SHEET 1 OF 1

SCALE:	DRAWN BY:
DATE:	CHECKED BY:

Plot Date: 10/13/2005  
 Plot Time: 10:54 PM  
 Plotted By: adonahue  
 File Name: I:\03005\CAD\TYConstruction\_Plans\GeneralNotes.dgn

5000

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	142
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	164
20200100	EARTH EXCAVATION	CU YD	1520
20400800	FURNISHED EXCAVATION	CU YD	315
20800150	TRENCH BACKFILL	CU YD	657
25000100	SEEDING, CLASS 1	ACRE	1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	90
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	90
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90
25000700	AGRICULTURAL GROUND LIMESTONE	TON	2
25100115	MULCH, METHOD 2	ACRE	1
28000255	TEMPORARY EROSION CONTROL SEEDING	ACRE	1
28000300	TEMPORARY DITCH CHECKS	EACH	20
28000400	PERIMETER EROSION BARRIER	FOOT	957
28000500	INLET AND PIPE PROTECTION	EACH	5
28100707	STONE DUMPED RIPRAP, CLASS A4	SQ YD	24
28200200	FILTER FABRIC	SQ YD	24
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	8807
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	13
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	111
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	1
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	26
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	7000
42001200	PAVEMENT FABRIC	SQ YD	7000
42001300	PROTECTIVE COAT	SQ YD	8283
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	128
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	14840
42400800	DETECTABLE WARNINGS	SQ FT	24
44000100	PAVEMENT REMOVAL	SQ YD	504
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	58
44000600	SIDEWALK REMOVAL	SQ FT	510
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	2

5000

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
50105220	PIPE CULVERT REMOVAL	FOOT	296
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1
54248515	CONCRETE COLLAR	EACH	1
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	476
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	93
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	634
60218500	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	3
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	5
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	2
60240324	INLETS, TYPE B, TYPE 20 FRAME AND GRATE	EACH	1
60500060	REMOVING INLETS	EACH	2
60600605	CONCRETE CURB, TYPE B	FOOT	109
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	4493
67100100	MOBILIZATION	L SUM	1
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	4,700
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	210
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	88
X0322034	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	705
X4066416	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N70	TON	75
X4066616	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70	TON	363
X6020074	INLETS, TYPE A, TYPE 3V FRAME & GRATE	EACH	5
X6020075	INLETS, TYPE B, TYPE 3V FRAME & GRATE	EACH	16
XX004949	INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE	TON	1
Z0000990	AGGREGATE FOR TEMPORARY ACCESS	TON	52
Z0013798	CONSTRUCTION LAYOUT	L SUM	1

\* SPECIALTY ITEMS

CITY OF O'FALLON, ILLINOIS

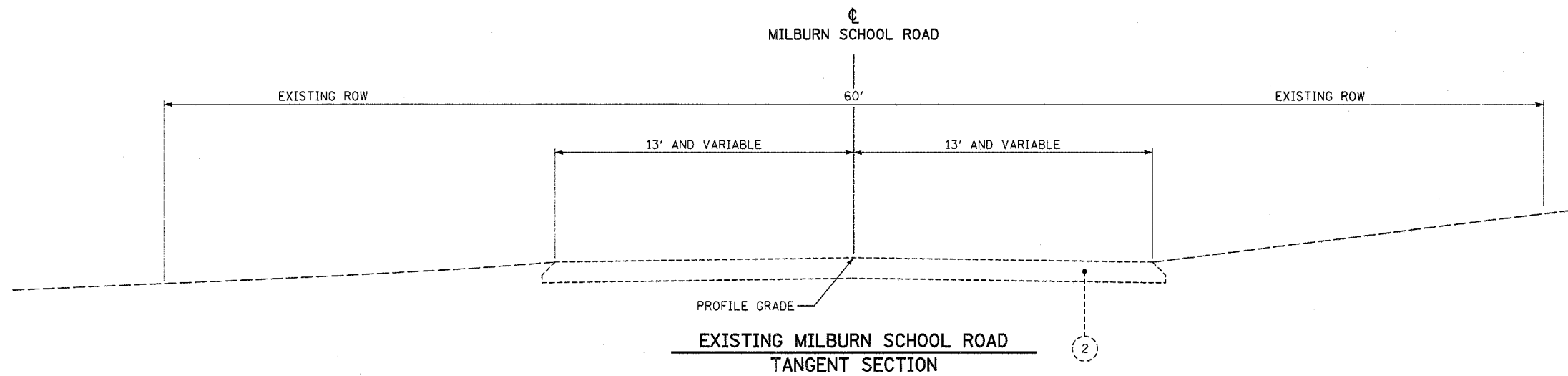
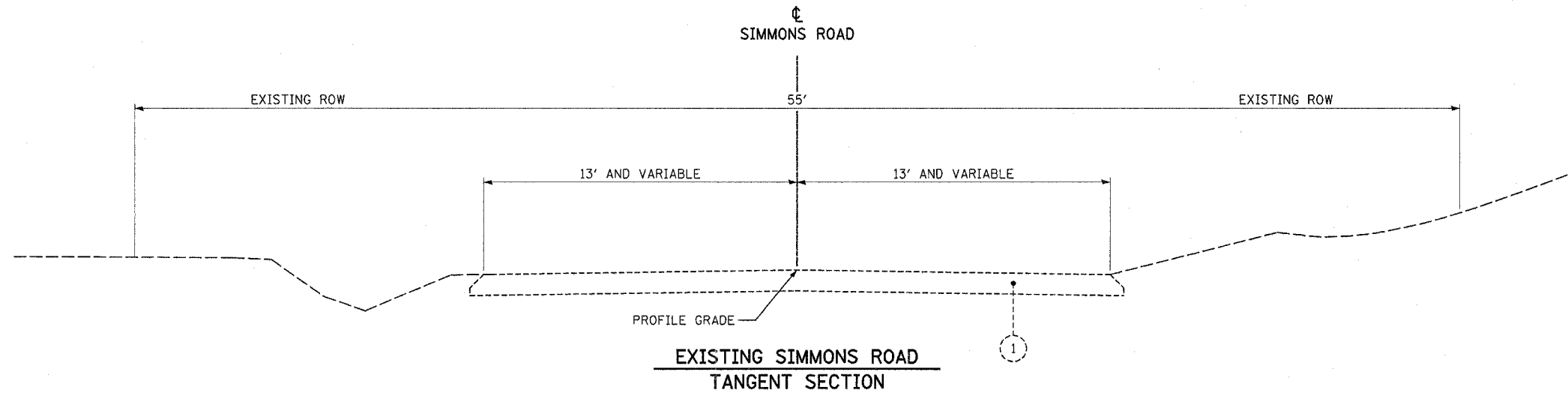
**SUMMARY OF QUANTITIES**  
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Plot Date: 07/13/2005  
 Plot Time: 2:05:54 PM  
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**EXISTING LEGEND**

- ① EXISTING OIL AND CHIP SURFACE
- ② EXISTING ASPHALT PAVEMENT
- ③ EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
- ④ EXISTING MOUNTABLE CONCRETE CURB AND GUTTER
- ⑤ EXISTING SIDEWALK

**PROPOSED LEGEND**

- ⑩ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 8"
- ⑪ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A (4")
- ⑫ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK (4")
- ⑬ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N70 1 3/4"
- ⑭ PROPOSED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70 (VARIABLE DEPTH)
- ⑮ PROPOSED EARTH SHOULDER
- ⑯ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

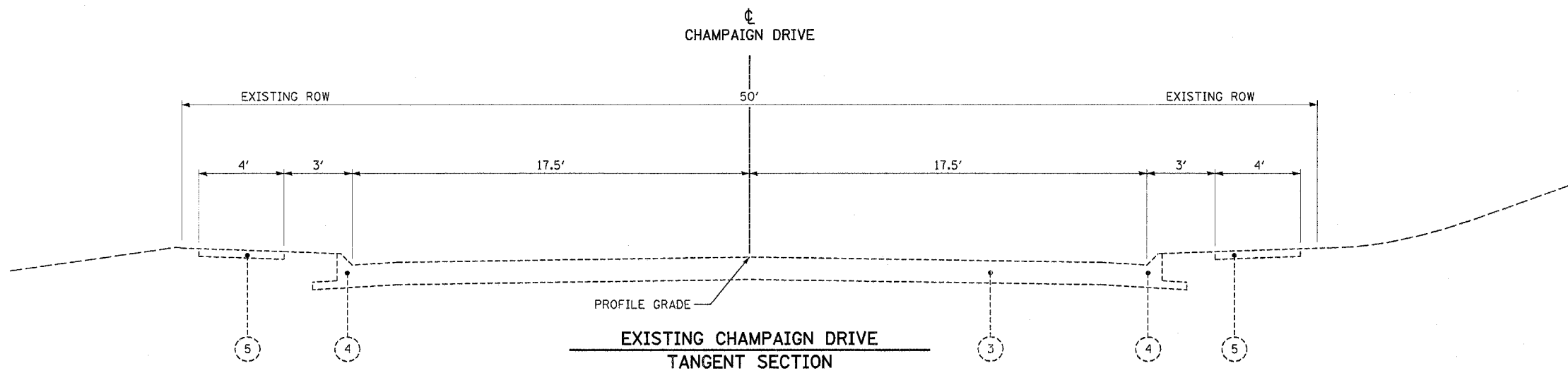
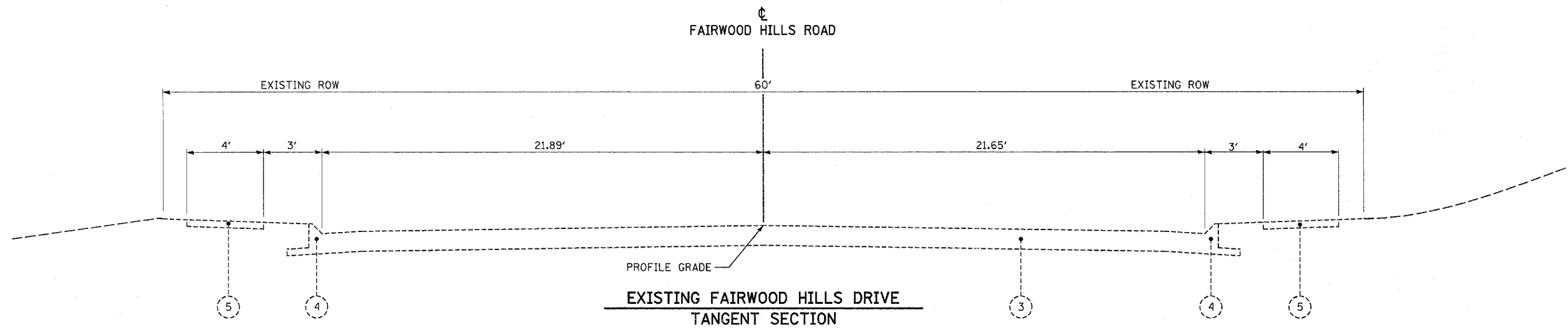
CITY OF O'FALLON, ILLINOIS

**EXISTING TYPICAL SECTIONS**  
SHEET 1 OF 2

SCALE: NONE  
DATE: 4/26/05

DRAWN BY: SSM  
CHECKED BY: SRD





**EXISTING LEGEND**

- ① EXISTING OIL AND CHIP SURFACE
- ② EXISTING ASPHALT PAVEMENT
- ③ EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
- ④ EXISTING MOUNTABLE CONCRETE CURB AND GUTTER
- ⑤ EXISTING SIDEWALK

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CITY OF O'FALLON, ILLINOIS

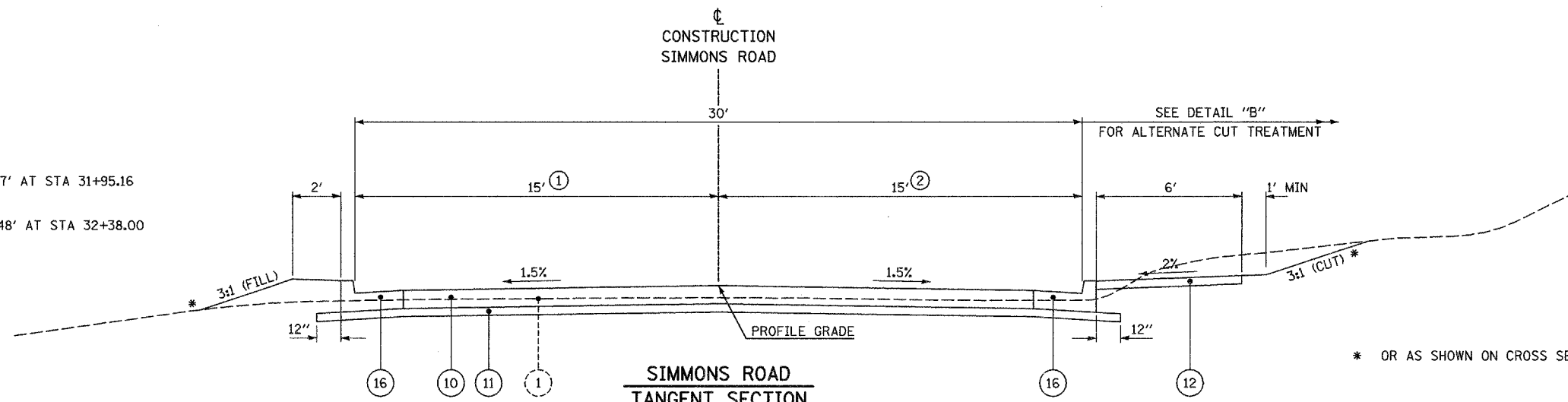
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SHEET 2 OF 2

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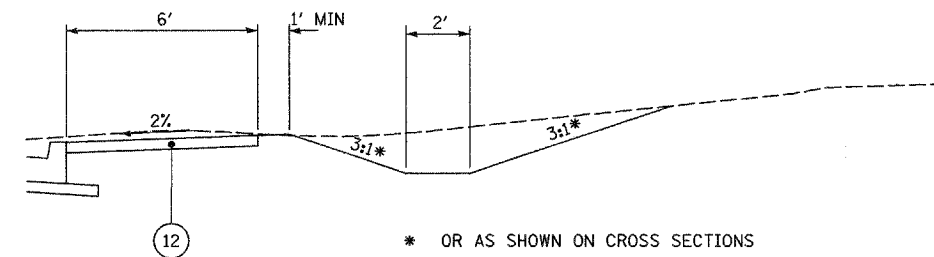
- ① VARIES FROM 15' AT STA 31+67.16 TO 17.67' AT STA 31+95.16
- ② VARIES FROM 15' AT STA 31+69.90 TO 20.48' AT STA 32+38.00



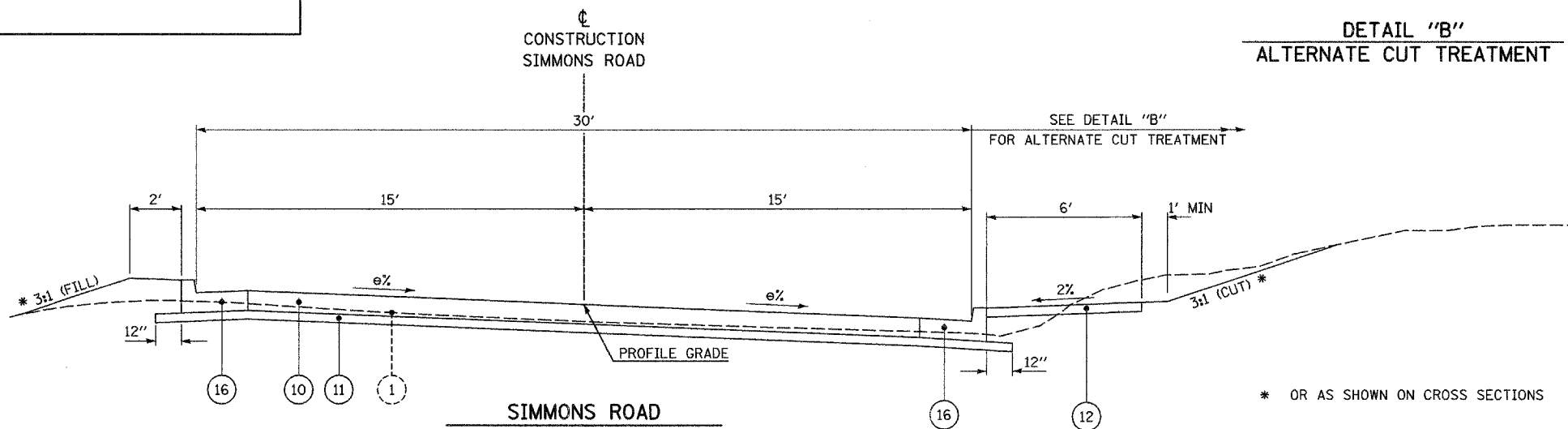
**SIMMONS ROAD  
TANGENT SECTION**  
- TO APPLY -  
STA 9+50.70 TO STA 12+91.66  
STA 20+09.60 TO STA 31+61.79  
(SEE NOTE AT LEFT)

NOTE:  
- SUPERELEVATION TRANSITION STATIONS -  
STA 12+91.66 TO STA 14+00.66  
STA 15+13.13 TO STA 17+11.44  
STA 19+00.60 TO STA 20+09.60

SEE STANDARDS BLR 10 & BLR 14  
PAVEMENT DETAILS



**DETAIL "B"  
ALTERNATE CUT TREATMENT**



**SIMMONS ROAD  
SUPERELEVATED SECTION**  
- TO APPLY -  
STA 14+00.66 TO STA 15+13.13  
STA 17+11.44 TO STA 19+00.60  
(SEE NOTE AT LEFT)

**EXISTING LEGEND**

- ① EXISTING OIL AND CHIP SURFACE
- ② EXISTING ASPHALT PAVEMENT
- ③ EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
- ④ EXISTING MOUNTABLE CONCRETE CURB AND GUTTER
- ⑤ EXISTING SIDEWALK

**PROPOSED LEGEND**

- ⑩ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 8"
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- ⑮ PROPOSED EARTH SHOULDER
- ⑯ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

**BITUMINOUS MIXTURES REQUIREMENT TABLE**

MIXTURE USE(S):	SURFACE, INCIDENTAL BIT. SURF.	BINDER
AC/PG:	PG 64-22	PG 64-22
RAP% (MAX): **	10%	15%
DESIGN AIR VOIDS:	4.0% @ Ndes=70	4.0% @ Ndes=70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICTION AGGREGATE	MIXTURE C	N/A

**STRUCTURAL PAVEMENT DESIGN INFORMATION**

**SIMMONS ROAD**

STRUCTURAL DESIGN TRAFFIC (S.D.T.) : YEAR = 2016  
P.C. = 7183  
CLASS II STREET S.U. = 147  
M.U. = 0

MINIMUM SOIL SUPPORT: IBR = 3 (ASSUMED FOR ENTIRE PROJECT)

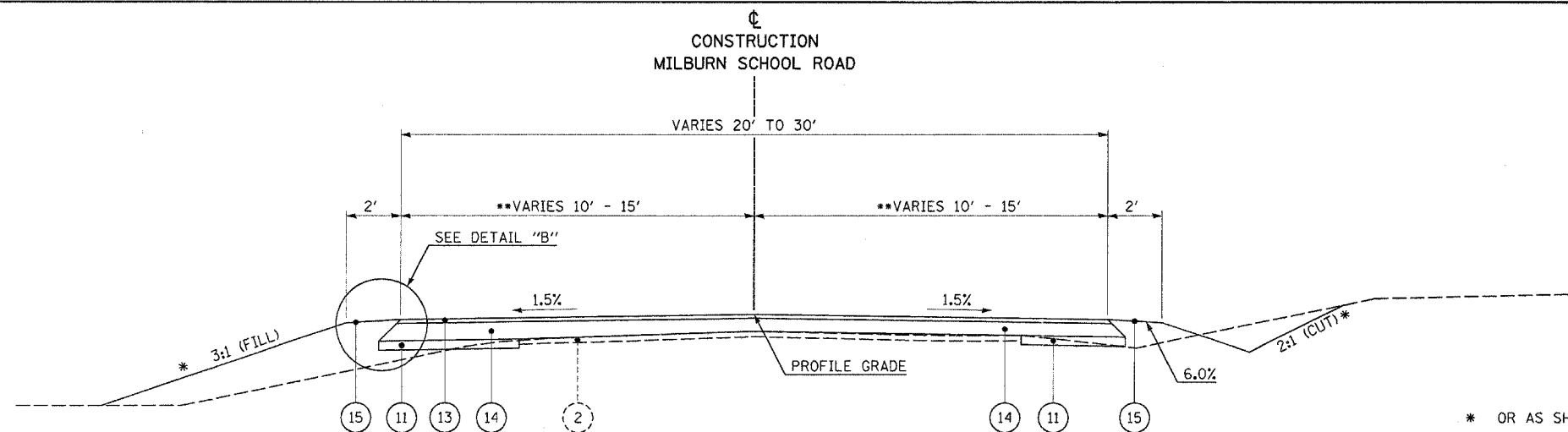
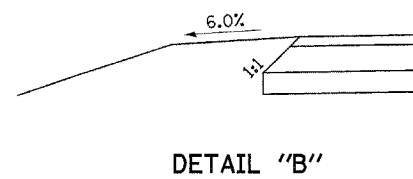
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
P.C. = 50 S.U. = 50 M.U. = N/A  
T.F. = 0.17

CITY OF O'FALLON, ILLINOIS

**TYPICAL SECTIONS  
SHEET 1 OF 3**

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DATE: 4/26/05

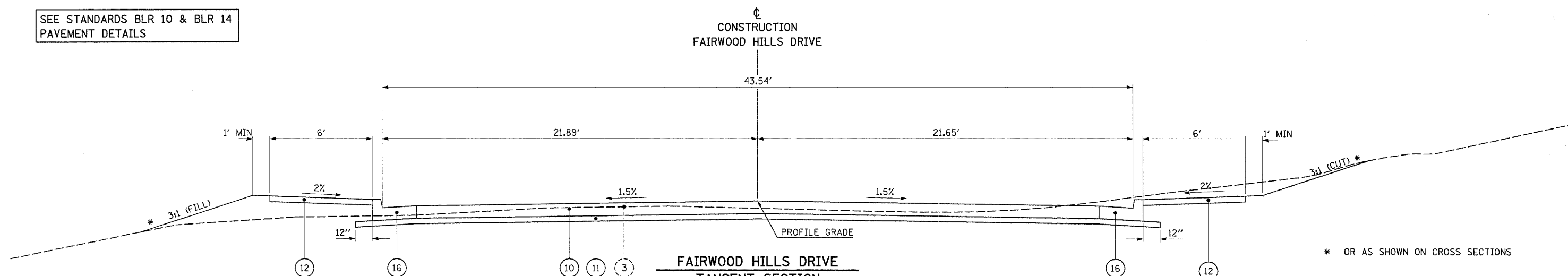
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CHECKED BY: SRD



\* OR AS SHOWN ON CROSS SECTIONS  
\*\* FROM STA 13+00.00 TO STA 14+00.00

MILBURN SCHOOL ROAD  
TANGENT SECTION  
- TO APPLY -  
STA 13+00.00 TO STA 14+85.00

SEE STANDARDS BLR 10 & BLR 14  
PAVEMENT DETAILS



\* OR AS SHOWN ON CROSS SECTIONS

FAIRWOOD HILLS DRIVE  
TANGENT SECTION  
- TO APPLY -  
STA 3+13.00 TO STA 3+59.11

EXISTING LEGEND

- ① EXISTING OIL AND CHIP SURFACE
- ② EXISTING ASPHALT PAVEMENT
- ③ EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
- ④ EXISTING MOUNTABLE CONCRETE CURB AND GUTTER
- ⑤ EXISTING SIDEWALK

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- ⑪ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A (4")
- ⑫ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK (4")
- ⑬ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N70 1 3/4"
- ⑭ PROPOSED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70 (VARIABLE DEPTH)
- ⑮ PROPOSED EARTH SHOULDER
- ⑯ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

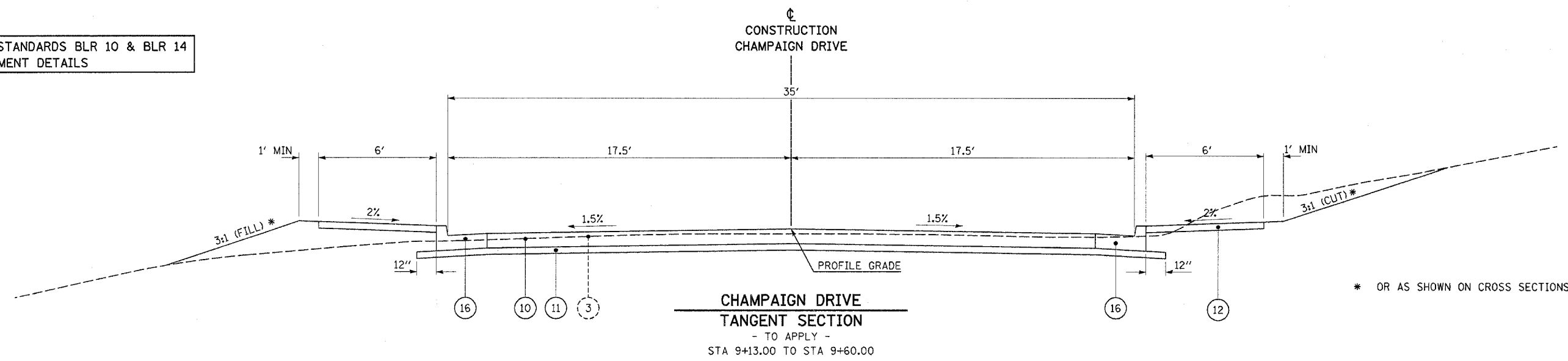
CITY OF O'FALLON, ILLINOIS

TYPICAL SECTIONS  
SHEET 2 OF 3

SCALE: NONE  
DATE: 4/26/05

DRAWN BY: SSM  
CHECKED BY: SRD

SEE STANDARDS BLR 10 & BLR 14  
PAVEMENT DETAILS



\* OR AS SHOWN ON CROSS SECTIONS

**EXISTING LEGEND**

- ① EXISTING OIL AND CHIP SURFACE
- ② EXISTING ASPHALT PAVEMENT
- ③ EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
- ④ EXISTING MOUNTABLE CONCRETE CURB AND GUTTER
- ⑤ EXISTING SIDEWALK

**PROPOSED LEGEND**

- ⑩ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 8"
- ⑪ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A (4")
- ⑫ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK (4")
- ⑬ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N70 1 3/4"
- ⑭ PROPOSED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70 (VARIABLE DEPTH)
- ⑮ PROPOSED EARTH SHOULDER
- ⑯ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

CITY OF O'FALLON, ILLINOIS

**TYPICAL SECTIONS**  
SHEET 3 OF 3

SCALE: NONE  
DATE: 4/26/05  
DRAWN BY: SSM  
CHECKED BY: SRD

RIP RAP			
LOCATION	SIDE	STONE DUMPED RIP RAP, CLASS A4	FILTER FABRIC FOR USE WITH RIPRAP
		SQ YD	SQ YD
SIMMONS ROAD			
STA 18+82.63	LT	10	10
STA 25+34.90	LT	5	5
MILBURN SCHOOL RD			
STA 14+50.00	LT	7	7
STA 14+59.31	RT	2	2
TOTAL		24	24

EROSION CONTROL				
LOCATION	SIDE	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	TEMPORARY DITCH CHECKS
		FOOT	EACH	EACH
SIMMONS ROAD				
STA 9+00.70 - STA 9+50.00	LT	49		
STA 9+25.35, 20.45'	RT		1	
STA 10+82.54, 26'	RT		1	
STA 11+19.44 - STA 12+00.00	LT	81		
STA 12+00.00 - STA 13+50.00	LT	150		
STA 16+50.00 - STA 20+50.00	RT		1	11
STA 16+00.00 - STA 18+75.00	LT	275		
STA 18+82.63, 29.42'	RT		1	
STA 23+50.00 - STA 25+30.00	LT	180	1	
STA 24+46.53, 26.17'	RT			
STA 25+30.00, 27.32'	RT			
STA 25+00.00 - STA 26+00.00	RT			2
STA 25+60.00 - STA 26+50.00	LT	222		
MILBURN SCHOOL ROAD				
STA 13+00.00 - STA 14+59.31	RT			4
STA 13+50.00 - STA 14+50.00	LT			3
TOTAL		957	5	20

SEEDING								
LOCATION	SEEDING, CLASS 1	TEMPORARY EROSION CONTROL SEEDING	NITROGEN FERTILIZER NUTRIENT	PHOSPHOROUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 1	
	ACRE	ACRE	POUND	POUND	POUND	TON	ACRE	
SIMMONS ROAD								
STA 9+70.00 - STA 9+72.06 LT	0.01	0.01	1	1	1	0.02	0.01	
STA 9+70.00 - STA 9+73.88 RT	0.01	0.01	1	1	1	0.02	0.01	
STA 10+52.90 - STA 10+96.69 LT	0.01	0.01	1	1	1	0.02	0.01	
STA 10+47.31 - STA 21+40.11 RT	0.19	0.19	17	17	17	0.38	0.19	
STA 11+19.44 - STA 14+95.89 LT	0.05	0.05	5	5	5	0.10	0.05	
STA 15+08.22 - STA 15+77.89 LT	0.02	0.02	2	2	2	0.04	0.02	
STA 15+91.06 - STA 19+52.45 LT	0.05	0.05	5	5	5	0.10	0.05	
STA 19+61.91 - STA 22+90.00 LT	0.08	0.08	7	7	7	0.16	0.08	
STA 21+88.37 - STA 33+39.78 RT	0.13	0.13	12	12	12	0.26	0.13	
STA 23+10.00 - STA 25+47.88 LT	0.06	0.06	5	5	5	0.12	0.06	
STA 25+58.41 - STA 27+87.46 LT	0.05	0.05	5	5	5	0.10	0.05	
STA 28+00.00 - STA 31+12.00 LT	0.04	0.04	4	4	4	0.08	0.04	
STA 31+32.00 - STA 32+38.00 LT	0.02	0.02	2	2	2	0.04	0.02	
MILBURN SCHOOL RD								
STA 13+00.00 - STA 14+84.94 LT	0.04	0.04	4	4	4	0.08	0.04	
STA 12+65.53 - STA 14+83.91 RT	0.07	0.07	6	6	6	0.14	0.07	
TOTAL		0.83	0.83	77	77	77	1.66	0.83
PAY TOTAL		1.00	1.00	90	90	90	2.00	1.00

TREE REMOVAL			
LOCATION	OFFSET	TREE REMOVAL (6 TO 15 UNITS DIA)	TREE REMOVAL (OVER 15 UNITS DIA)
		UNIT	UNIT
SIMMONS ROAD			
STA 17+70.86	18.23 LT	15	
STA 17+89.38	18.68 LT	12	
STA 17+93.47	17.34 LT	6	
STA 18+06.96	18.84 LT	8	
STA 18+14.48	19.18 LT	10	
STA 18+31.83	20.41 LT	15	
STA 18+60.78	22.50 LT	15	
STA 18+70.50	20.85 LT	14	
STA 18+73.71	20.23 LT		60
STA 18+83.13	18.56 LT	6	
STA 18+90.46	19.11 LT	8	
STA 18+94.33	20.49 LT		48
STA 18+96.64	21.44 LT	7	
STA 19+03.65	22.01 LT	6	
STA 19+06.61	21.10 LT	7	
STA 19+17.41	23.42 LT		16
STA 19+26.56	22.59 LT	13	
STA 19+34.50	21.43 LT		18
STA 19+42.94	21.51 LT		22
TOTAL		142	164

PAVEMENT										
LOCATION	PAVEMENT REMOVAL	PORTLAND CEMENT CONC PAVEMENT 8"	PAVEMENT FABRIC	PROTECTIVE COAT*	BIT. CONC. BINDER COURSE, SUPERPAVE IL-19.0, N70	BITUMINOUS MATERIALS (PRIME COAT)	BIT. CONC. SURF. CSE. SUPERPAVE MIX C, N70	SUB-BASE GRANULAR MATERIAL TYPE A (4")	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	
	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	TON	SQ YD	
SIMMONS ROAD										
STA 9+00.70 - STA 9+50.70					39	0.2	15	15	14	
STA 9+50.70 - STA 31+61.85		6388	6388	7568				8149		
STA 31+61.85 - STA 31+95.17	7									
STA 31+61.72 - STA 32+38.00	27									
MILBURN SCHOOL RD										
STA 13+00.00 - STA 14+53.91					324	0.8	60	122	12	
STA 14+53.91 - STA 14+53.01		146	146	177						
FAIRWOOD HILLS DRIVE										
STA 3+15.00 - STA 9+60.00	229	253	253	289			279			
CHAMPAIGN DRIVE										
STA 9+15.00 - STA 9+60.00	241	213	213	249			242			
TOTAL		504	7000	7000	8283	363	1	75	8807	26

\* INCLUDES CURB & GUTTER

CITY OF O'FALLON, ILLINOIS

**SCHEDULE OF QUANTITIES**  
 SHEET 1 OF 4

SCALE: \_\_\_\_\_ DATE: \_\_\_\_\_

DRAWN BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_

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CURB & GUTTER			
LOCATION	SIDE	COMB CURB & GUTTER TYPE B-6.24	CONCRETE CURB TYPE B
		FOOT	FOOT
<b>SIMMONS ROAD</b>			
STA 10+52.90 - STA 31+61.85	LT	2105	
STA 10+55.42 - STA 21+16.12	RT	1062	
STA 22+12.37 - STA 31+61.85	RT	950	
STA 31+61.85 - STA 32+38.00	LT		76
STA 31+61.85 - STA 31+95.17	RT		33
<b>MILBURN SCHOOL RD</b>			
STA 14+53.91 - STA 14+87.52	LT	52	
STA 14+54.28 - STA 14+86.50	RT	63	
<b>FAIRWOOD HILLS DR</b>			
STA 3+13.12 - STA 3+59.10	LT	65	
STA 3+12.89 - STA 3+59.10	RT	65	
<b>CHAMPAIGN DRIVE</b>			
STA 9+13.50 - STA 9+60.00	LT	65	
STA 9+12.51 - STA 9+60.00	RT	66	
<b>TOTAL</b>		<b>4493</b>	<b>109</b>

ENTRANCES								
LOCATION	SIDE	WIDTH	DRIVEWAY PAVEMENT REMOVAL	PORTLAND CEMENT CONC DRIVEWAY PAVEMENT, 6 INCH	AGGREGATE BASE COURSE, TYPE B 6 INCH	AGGREGATE BASE COURSE, TYPE B 8 INCH	INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE	AGGREGATE FOR TEMPORARY ACCESS
			SQ YD	SQ YD	SQ YD	SQ YD	TON	TON
<b>SIMMONS ROAD</b>								
STA 10+02.83 - FAIRWOOD HILLS DR	RT							10
STA 10+07.83 - MILBURN SCHOOL RD	LT							12
STA 11+06.69 - PRIVATE ENTRANCE	LT	20	27	14				4
STA 15+02.31 - PRIVATE ENTRANCE	LT	12		9		24		2
STA 15+86.12 - PRIVATE ENTRANCE	LT	12		9		36		2
STA 19+55.96 - PRIVATE ENTRANCE	LT	12		10		10		8
STA 21+63.40 - CHAMPAIGN DRIVE	RT							2
STA 23+00.00 - FIELD ENTRANCE	LT	20		33				4
STA 25+32.35 - PRIVATE ENTRANCE	LT	12		10		41		2
STA 27+94.01 - PRIVATE ENTRANCE	LT	12	31	10	13		1	2
STA 31+22.00 - PRIVATE ENTRANCE	LT	20		33				4
<b>TOTAL</b>			<b>58</b>	<b>128</b>	<b>13</b>	<b>111</b>	<b>1</b>	<b>52</b>

NOTE: SEE ENTRANCE DETAIL FOR WIDTH DIMENSION LOCATION

EARTHWORK					
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	SHRINKAGE FACTOR	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	%	CU YD	CU YD
<b>SIMMONS ROAD</b>					
STA 9+00.00 - STA 32+40.00	1445	1085	25	1365	-280
<b>MILBURN SCHOOL ROAD</b>					
STA 12+50.00 - STA 14+53.91	75	55	25	90	-35
<b>TOTAL =</b>	<b>1520</b>	<b>1140</b>		<b>1455</b>	<b>-315</b>

PAVEMENT MARKING					
LOCATION	SIDE	POLYUREA PAVEMENT MARKING, TYPE I			DESCRIPTION
		DOUBLE SOLID YELLOW 4"	SOLID WHITE LINE 6"	SOLID WHITE LINE 12"	
		FOOT	FOOT	FOOT	
<b>SIMMONS ROAD</b>					
STA 9+00.70 - STA 9+65.00	☉	129			DOUBLE YELLOW ☉
STA 9+65.00	RT			16	STOP BAR
STA 10+42.00	RT			15	STOP BAR
STA 10+41.50 - STA 31+61.85	☉	4241			DOUBLE YELLOW ☉
<b>MILBURN SCHOOL ROAD</b>					
STA 13+00.00 - STA 14+65.00	☉	330			DOUBLE YELLOW ☉
STA 14+65.00	RT			15	STOP BAR
<b>FAIRWOOD HILLS DRIVE</b>					
STA 3+21.36	LT/RT		61		PEDESTRIAN CROSS WALK
STA 3+27.36	LT/RT		51		PEDESTRIAN CROSS WALK
STA 3+59.11	RT			22	STOP BAR
<b>CHAMPAIGN DRIVE</b>					
STA 9+29.60	RT			20	STOP BAR
STA 9+20.60	LT/RT		55		PEDESTRIAN CROSS WALK
STA 9+26.60	LT/RT		43		PEDESTRIAN CROSS WALK
<b>TOTAL</b>		<b>4700</b>	<b>210</b>	<b>88</b>	

SIDEWALK				
LOCATION	SIDE	SIDEWALK REMOVAL	PORTLAND CEMENT CONC SIDEWALK (4")	DETECTABLE WARNINGS
		SQ FT	SQ FT	SQ FT
<b>SIMMONS ROAD</b>				
STA 10+55.42 - STA 21+16.11	RT		6378	
STA 22+12.37 - STA 33+12.49	RT		6661	
STA 33+12.49 - STA 33+44.91	RT		420	
<b>FAIRWOOD HILLS DRIVE</b>				
STA 3+15.47 - STA 3+59.10	RT	133	346	6
STA 3+15.70 - STA 3+59.11	LT	119	341	6
<b>CHAMPAIGN DRIVE</b>				
STA 9+15.09 - STA 9+60.00	RT	136	348	6
STA 9+16.09 - STA 9+60.00	LT	122	346	6
<b>TOTAL</b>		<b>510</b>	<b>14840</b>	<b>24</b>

CITY OF O'FALLON, ILLINOIS  
**SCHEDULE OF QUANTITIES**  
 SHEET 2 OF 4  
 SCALE: \_\_\_\_\_ DRAWN BY: \_\_\_\_\_  
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Plot Date: 9/27/2005  
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 Plotted By: edonohue



STORM SEWER									
LOCATION	STRUCTURE NUMBER		STORM SEWER CLASS A, TYPE 1	STORM SEWER CLASS A, TYPE 1	STORM SEWER CLASS A, TYPE 2	STORM SEWER (WATER MAIN REQUIREMENTS)	TRENCH BACKFILL	PIPE CULVERT REMOVAL	REMOVAL OF EXISTING STRUCTURES
			15"	18"	15"	15"	CU YD	FOOT	EACH
SIMMONS ROAD									
STA 9+24.58 - STA 9+64.79								41	
STA 9+25.35 - STA 9+77.09	1	2	51				2.0		
STA 9+64.79 - STA 9+89.04								58	
STA 9+64.79 - STA 10+40.92								75	
STA 9+77.09 - STA 9+79.89	2	4	70				14.1		
STA 10+34.26 - STA 10+34.47	5	7	28				0.6		
STA 10+34.47 - STA 10+60.00	7	9	24				6.6		
STA 10+40.92 - STA 10+71.54								31	
STA 10+60.00 - STA 10+60.00	9	11	28				6.6		
STA 10+60.00 - STA 10+82.54	11	12				20	4.6		
STA 10+82.54 - STA 12+00.00	12	13				115	21.7		
STA 10+82.54 - STA 10+82.54	12a	12	10						
STA 12+00.00 - STA 13+25.00	13	14				122	24.9		
STA 13+25.00 - STA 13+78.30	14	15				50	10.2		
STA 13+77.71 - STA 13+78.30	16	15	17				1.5		
STA 13+78.30 - STA 14+50.00	15	17				68	14.8		
STA 17+50.00 - STA 18+55.00	18	19	100				15.6		
STA 18+49.60 - STA 18+54.32								33	
STA 18+55.00 - STA 18+82.63	19	22	24				4.8		
STA 18+82.91 - STA 18+82.63	20	21	4						
STA 18+82.63 - STA 18+82.63	21	22	42				7.5		
STA 18+82.63 - STA 18+82.63	22	23		5					
STA 18+82.63 - STA 19+75.00	22	24		88			22.0		
STA 19+75.00 - STA 20+00.00	24	25	37				9.9		
STA 20+00.00 - STA 21+43.00	25	26			94	50	29.9		
STA 21+42.99 - STA 21+83.75	26	27				39	11.5		
STA 23+75.00 - STA 23+75.00	28	29	28				5.6		
STA 23+75.00 - STA 24+46.64	29	30			69		25.7		
STA 24+46.64 - STA 25+30.00	30	35			80		67.2		
STA 24+46.64 - STA 24+46.53	30	31			40				
STA 25+30.00 - STA 25+30.00	32	33			11		2.6		
STA 25+30.00 - STA 25+39.00	33	34			6		2.8		
STA 25+30.00 - STA 25+30.00	33	35			28		14.1		
STA 25+30.00 - STA 25+34.90	35	37			19				
STA 25+30.00 - STA 25+38.84	35	38			6		5.4		
STA 25+38.84 - STA 26+30.00	38	39			89		30.8		
STA 25+39.83 - STA 25+39.01								42	
STA 25+40.37 - STA 25+55.84								16	2
STA 29+50.00 - STA 31+00.00	40	41				148	27.4		
STA 31+00.00 - STA 31+55.00	41	45				52	22.2		
STA 31+55.00 - STA 31+55.00	45	47			28		14.5		
STA 31+00.00 - STA 31+55.00	42	47			52		51.1		
STA 31+55.00 - STA 32+72.28	47	48			112		171.5		
FAIRWOOD HILLS									
STA 3+45.67 - STA 3+45.50	2A	2B				41	5.1		
STA 3+45.50 - STA 3+30.07	2B	2	13				1.6		
TOTAL			476	93	634	705	657	296	2

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CITY OF O'FALLON, ILLINOIS

**SCHEDULE OF QUANTITIES**  
SHEET 3 OF 4

SCALE: \_\_\_\_\_ DRAWN BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_



**STORM SEWER STRUCTURES**

LOCATION	STRUCTURE NUMBER	INLETS, TYPE A, TYPE 3 FRAME & GRATE	INLETS, TYPE A, TYPE 8 GRATE	INLETS, TYPE A, TYPE 3V FRAME & GRATE	INLETS, TYPE B, TYPE 3 FRAME & GRATE	INLETS, TYPE B, TYPE 3V FRAME & GRATE	INLETS, TYPE B, TYPE 8 GRATE	INLETS, TYPE B, TYPE 20 FRAME & GRATE	MANHOLES, TYPE A, 4 FT DIAMETER, TYPE 3 FRAME & GRATE	CONCRETE COLLAR	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	REMOVING INLETS
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
<b>SIMMONS ROAD</b>													
STA 9+25.35, 20.45' RT	1										1		
STA 9+64.79, 22.50' RT													1
STA 9+77.09, 30.13' RT	2							1					
STA 10+34.47, 21.17' LT	7							1					
STA 10+40.92, 22.82' RT													1
STA 10+60.00, 15.00' LT	9							1					
STA 10+60.00, 15.00' RT	11							1					
STA 10+82.54, 15.00' RT	12							1					
STA 10+82.54, 26.00' RT	12a		1										
STA 12+00.00, 15.00' RT	13							1					
STA 13+25.00, 15.00' RT	14							1					
STA 13+78.30, 15.00' RT	15							1					
STA 13+77.71, 35.32' RT	16		1										
STA 14+50.00, 15.00' RT	17			1									
STA 17+50.00, 15.00' LT	18			1									
STA 18+55.00, 15.00' LT	19					1							
STA 18+82.91, 33.25' RT	20									1			
STA 18+82.63, 29.42' RT	21							1					
STA 18+82.63, 15.00' LT	22											1	
STA 18+82.63, 21.00' LT	23												
STA 19+75.00, 15.00' LT	24							1					
STA 20+00.00, 15.00' RT	25							1					
STA 21+43.00, 30.98' RT	26												
STA 21+83.75, 34.79' RT	27	1											
STA 23+75.00, 15.00' RT	28			1									
STA 23+75.00, 15.00' LT	29							1					
STA 24+46.64, 15.00' LT	30							1					
STA 24+46.53, 26.17' RT	31								1				
STA 25+30.00, 27.32' RT	32		1										
STA 25+30.00, 15.00' RT	33												
STA 25+39.00, 15.00' RT	34	1											
STA 25+30.00, 15.00' LT	35												
STA 25+34.90, 36.29' LT	37												
STA 25+38.84, 15.00' LT	38								1				
STA 26+30.00, 15.00' LT	39					1							
STA 29+50.00, 15.00' RT	40			1									
STA 31+00.00, 15.00' RT	41							1					
STA 31+00.00, 15.00' LT	42							1					
STA 31+55.00, 15.00' RT	45							1					
STA 31+55.00, 15.00' LT	47							1					
<b>MILBURN SCHOOL ROAD</b>													
STA 14+59.31, 27.47' RT	4											1	
STA 14+50.00, 27.00' LT	5											1	
<b>FAIRWOOD HILLS DRIVE</b>													
STA 3+45.67, 21.91' LT	2b						1						
STA 3+45.50, 21.64' RT	2a	1											
<b>TOTAL</b>		<b>3</b>	<b>3</b>	<b>5</b>	<b>5</b>	<b>16</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>2</b>

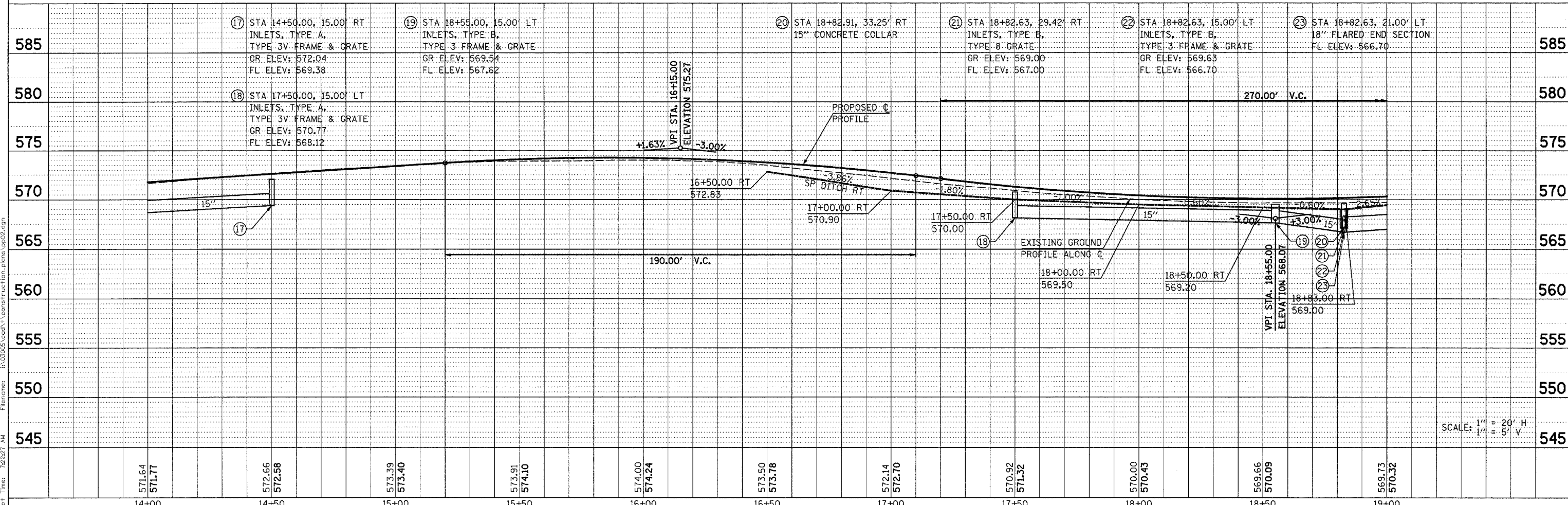
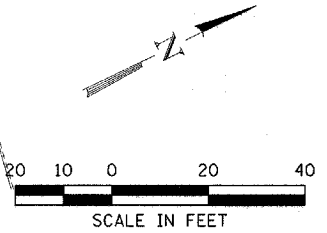
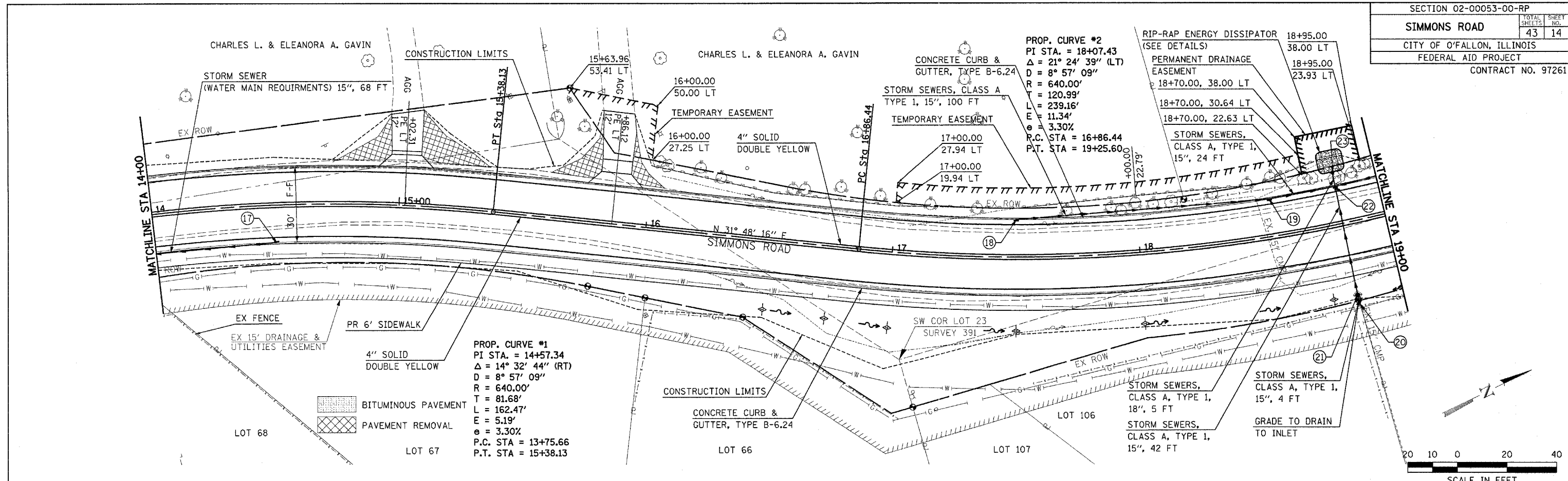
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CITY OF O'FALLON, ILLINOIS

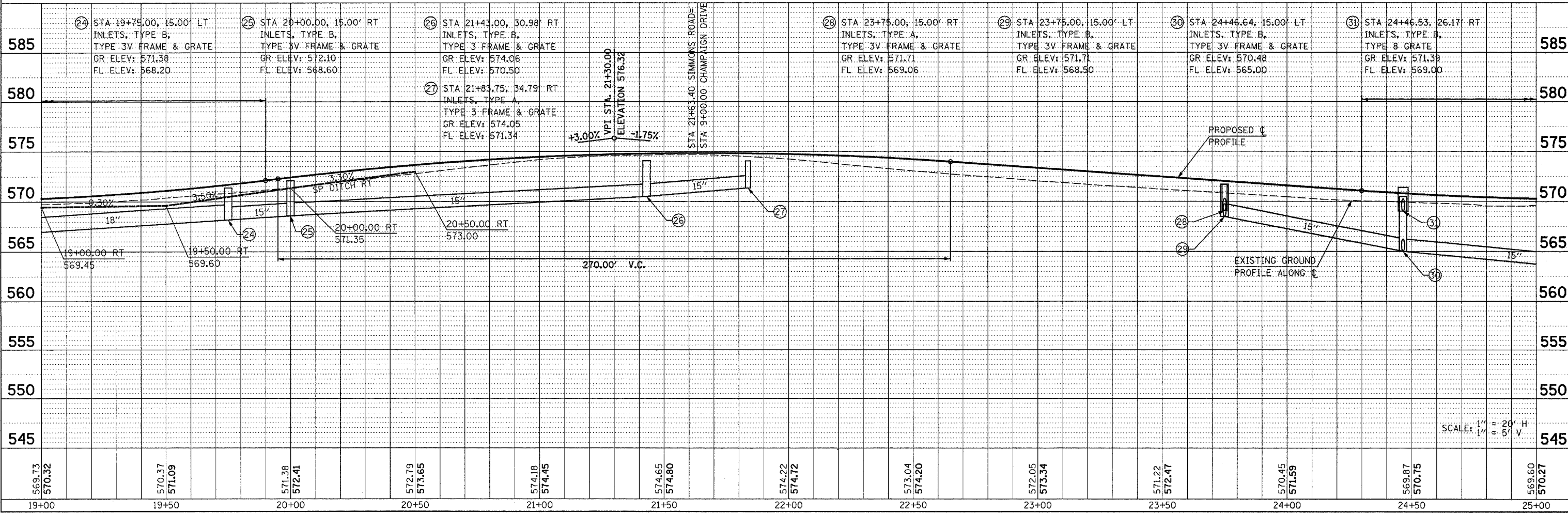
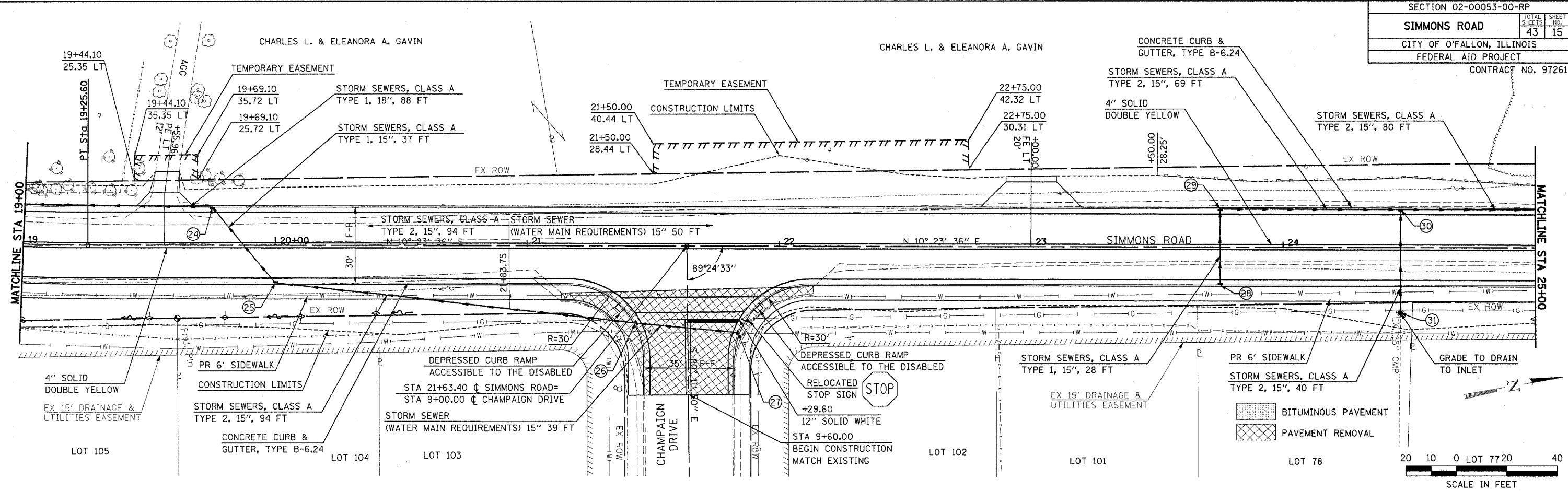
**SCHEDULE OF QUANTITIES**  
SHEET 4 OF 4

SCALE: \_\_\_\_\_ DRAWN BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_



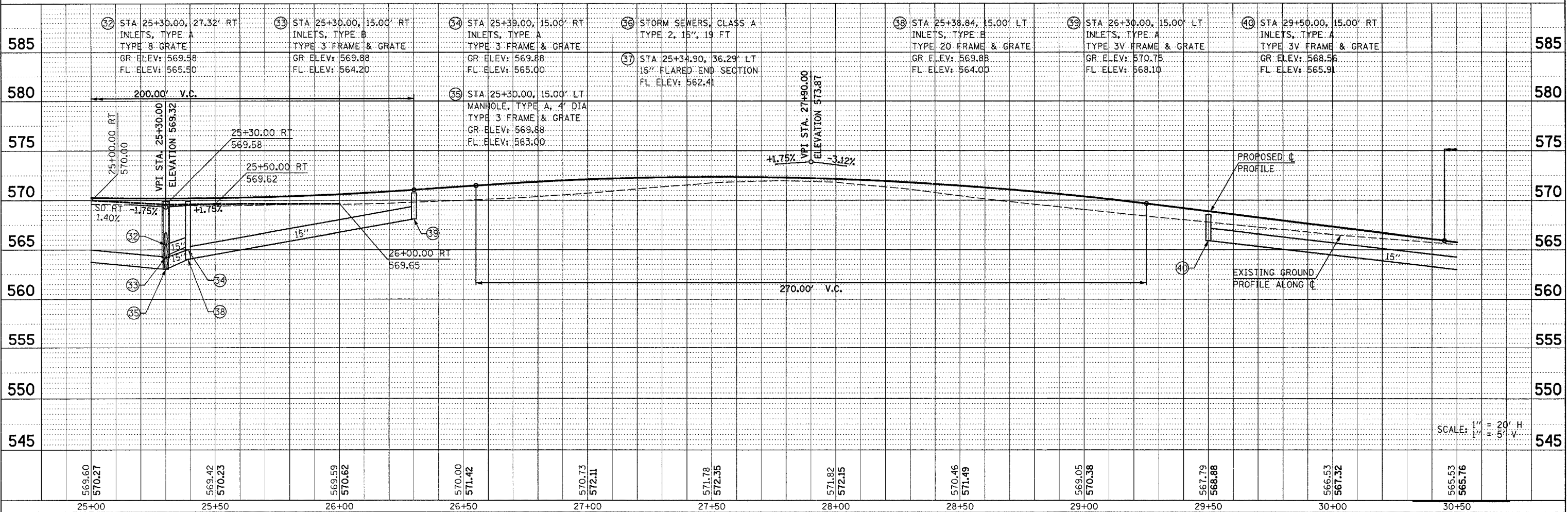
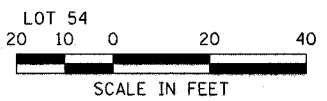
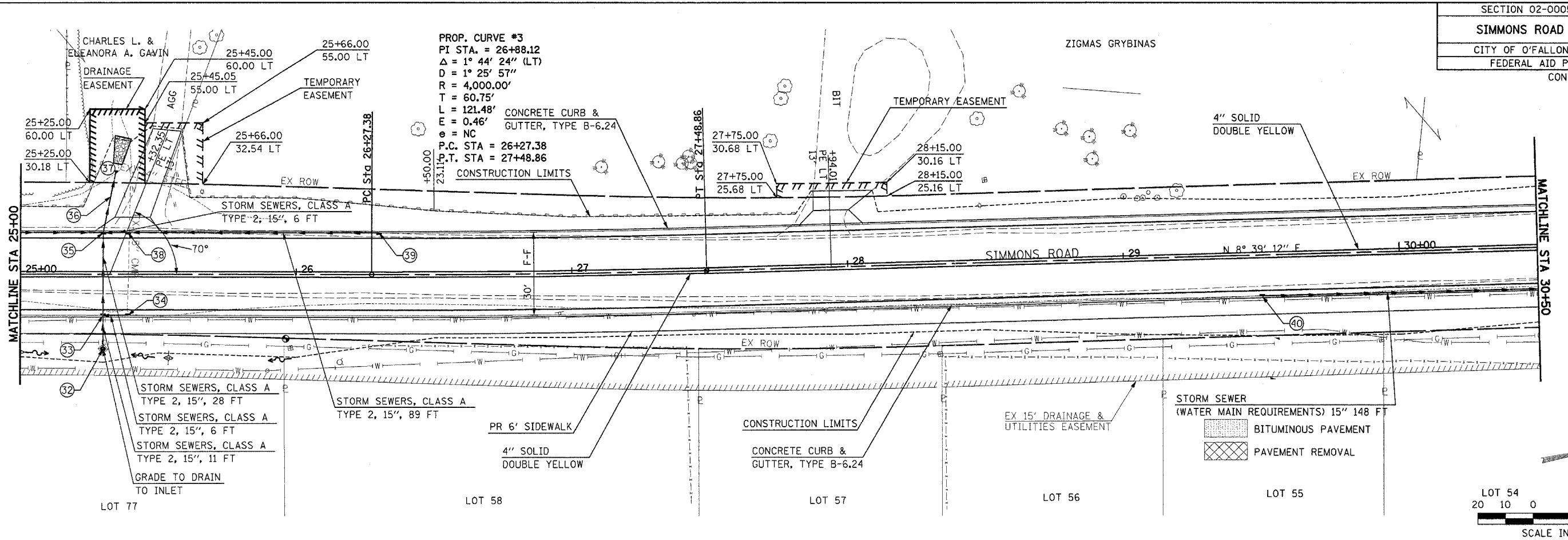


Plot Date: 9/27/2005  
 Plot Time: 12:22:27 AM  
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Plot Date: 9/27/2005  
 Plot Time: 12:22:56 AM  
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 Filename: I:\03050\Road\Nucars\Inlets\Inlets.dwg

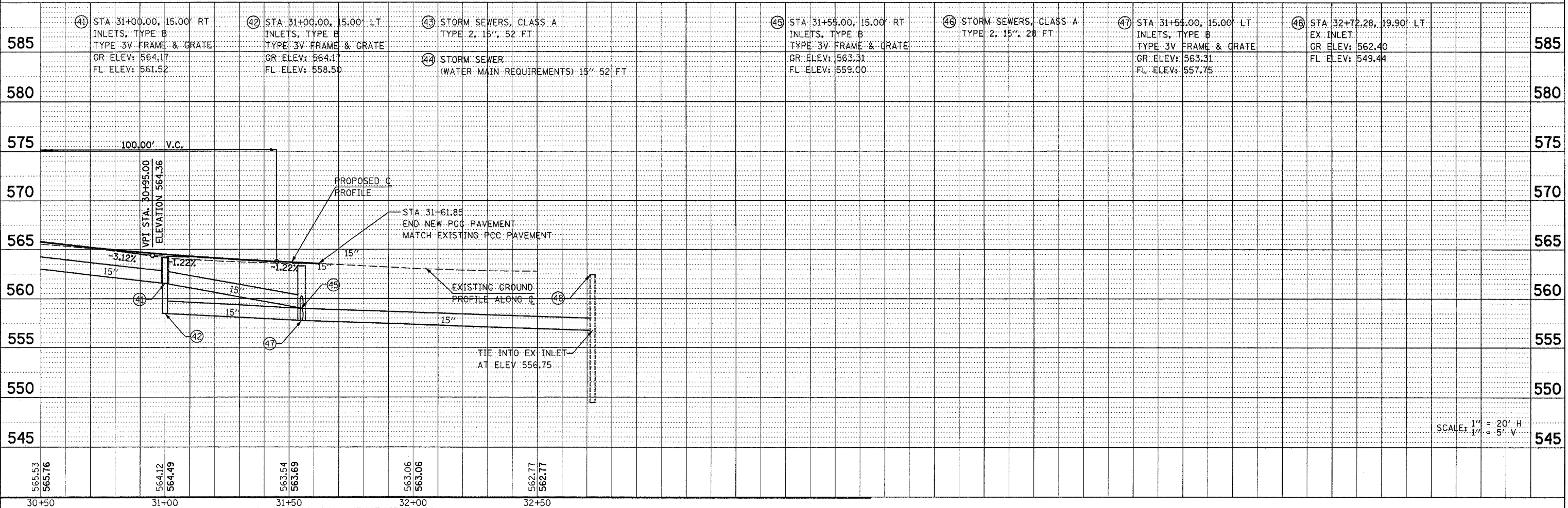
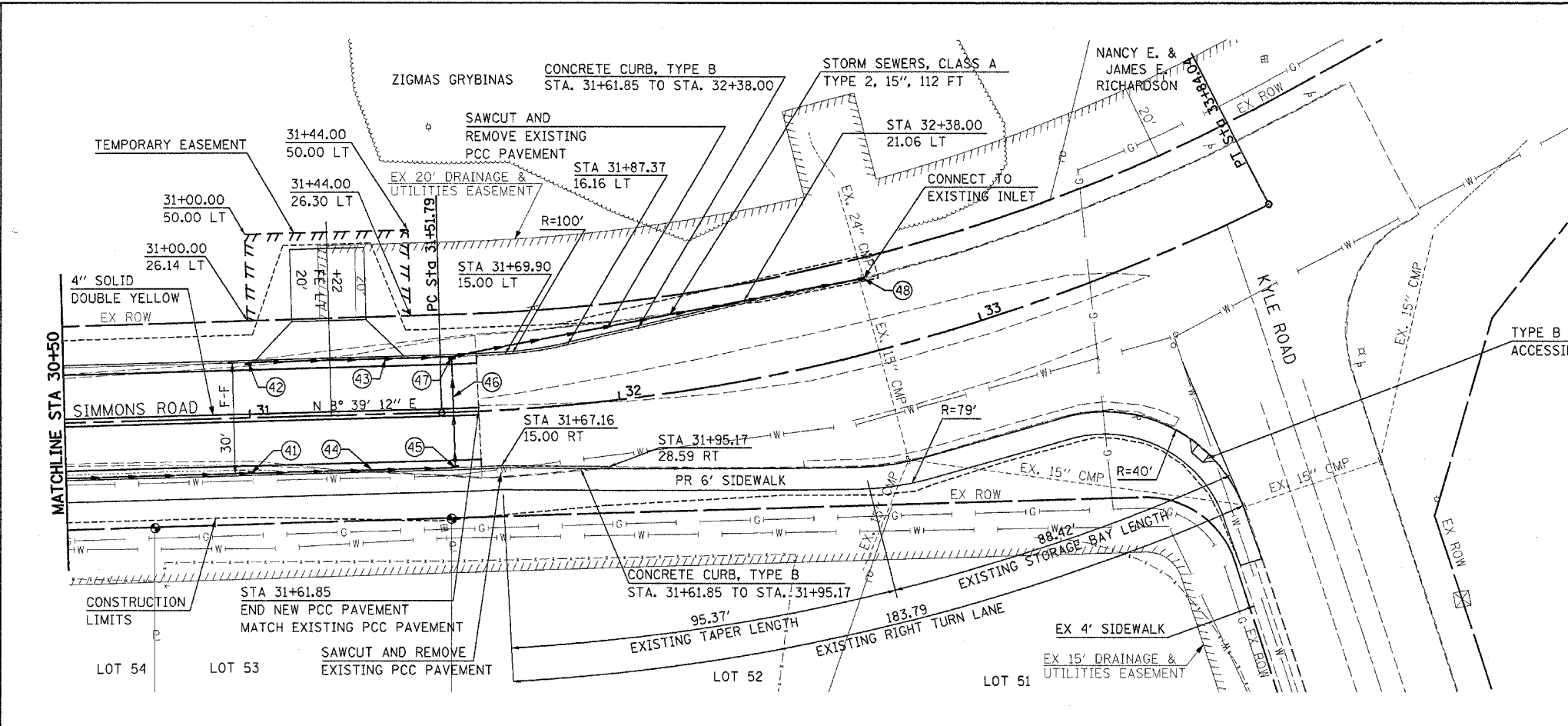
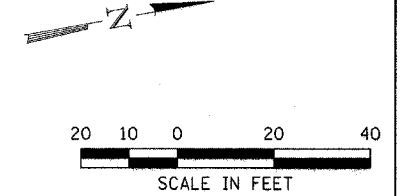




Plotted By: edonchue  
 Plot Date: 9/27/2005  
 Plot Time: 12:24:53 AM  
 File Name: I:\0305\0001\constr\action\_plans\pp05.dgn

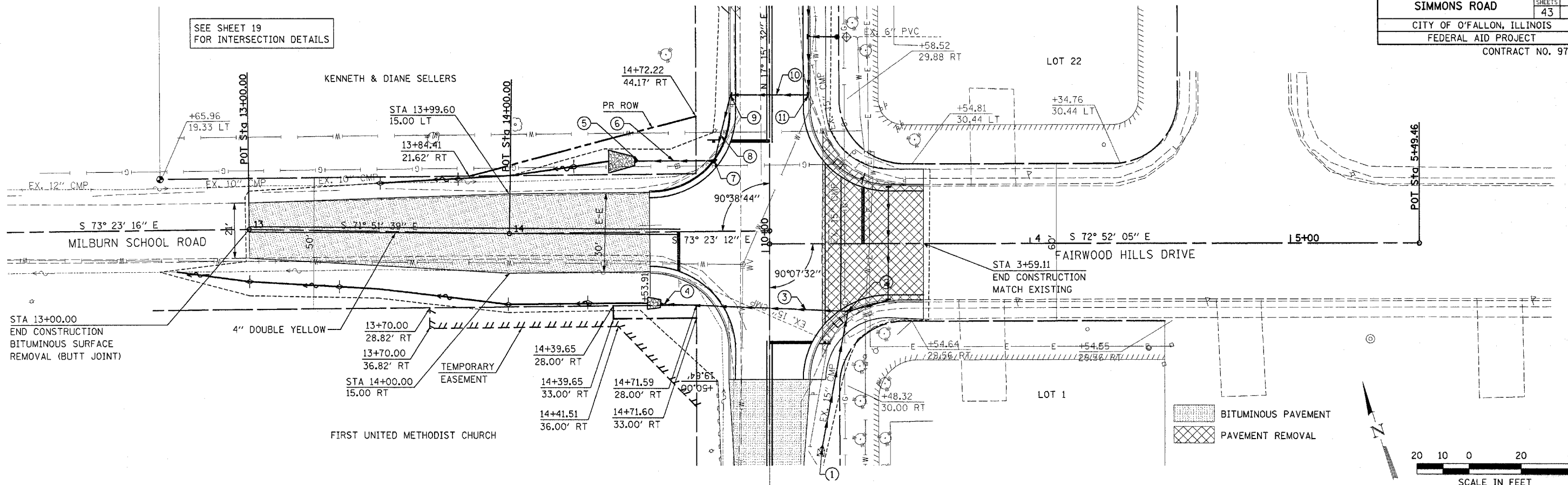
PROP. CURVE 34  
 PI STA. = 32+69.87  
 $\Delta = 25^\circ 30' 30''$  (LT)  
 $D = 10^\circ 58' 59''$   
 $R = 521.67'$   
 $T = 118.08'$   
 $L = 232.25'$   
 $E = 13.20'$   
 $e = NC$   
 P.C. STA = 31+51.79  
 P.T. STA = 33+84.04

BITUMINOUS PAVEMENT  
 PAVEMENT REMOVAL

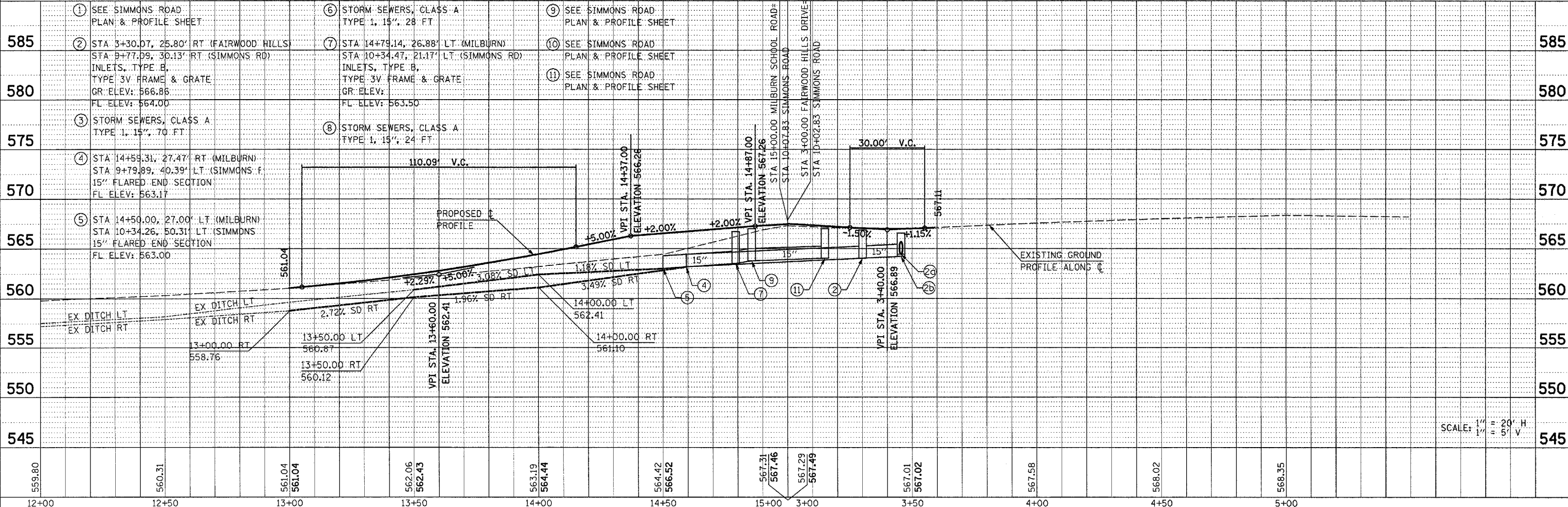
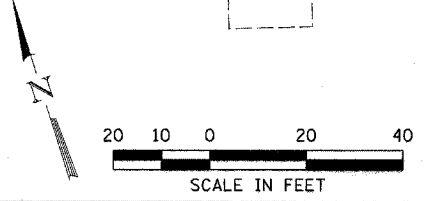


Plot Date: 9/27/2005  
 Plot Time: 7:22:59 AM  
 Plotted By: sdonohue  
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SEE SHEET 19  
 FOR INTERSECTION DETAILS



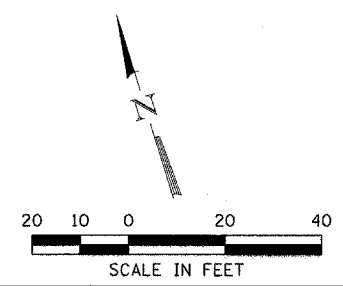
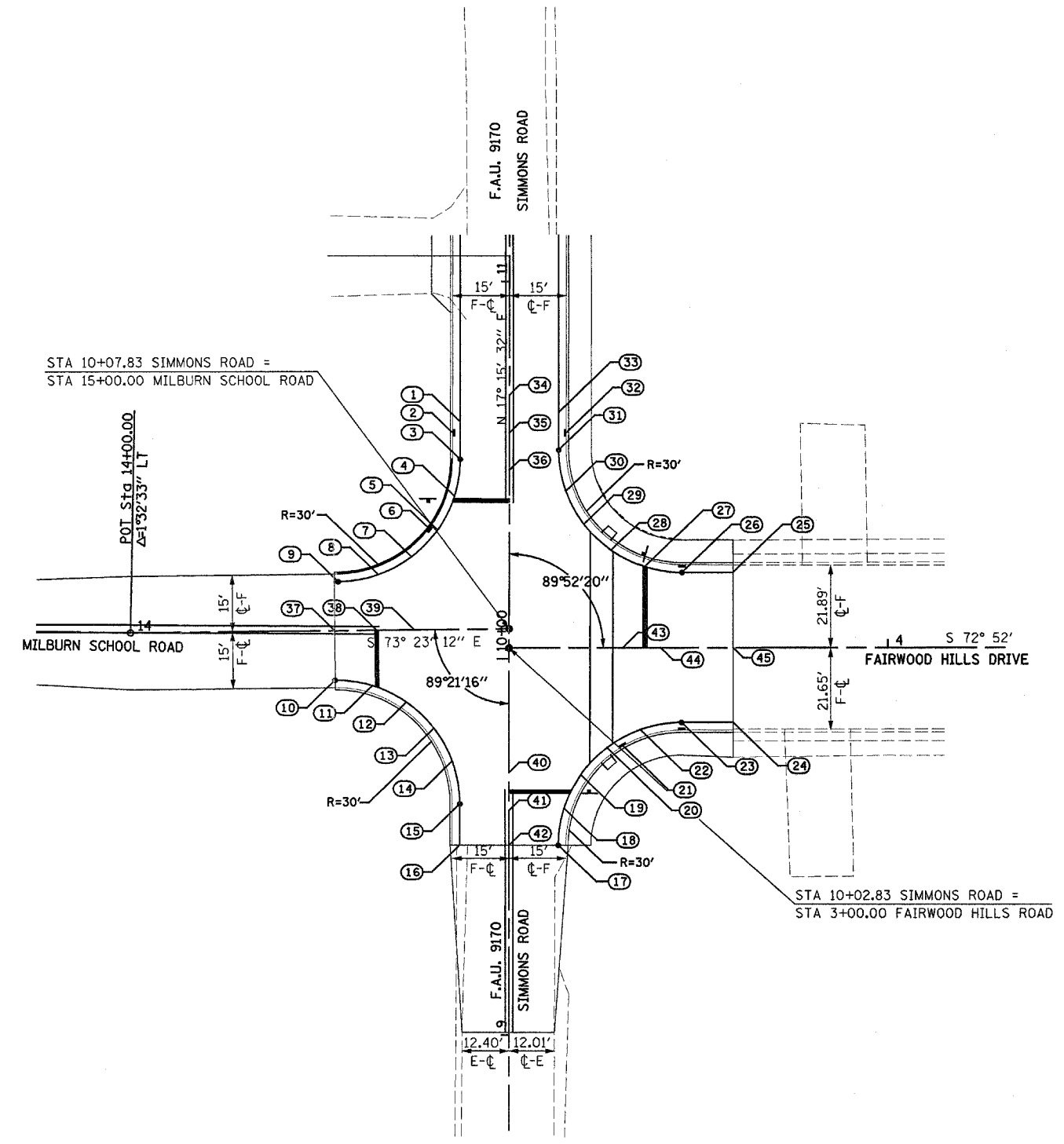
BITUMINOUS PAVEMENT  
 PAVEMENT REMOVAL



Plotted By: sctech  
 Date: 9/27/2005  
 File: I:\0305\road\1\construction\plans\p06.dwg  
 Plot Time: 7:42:31 AM



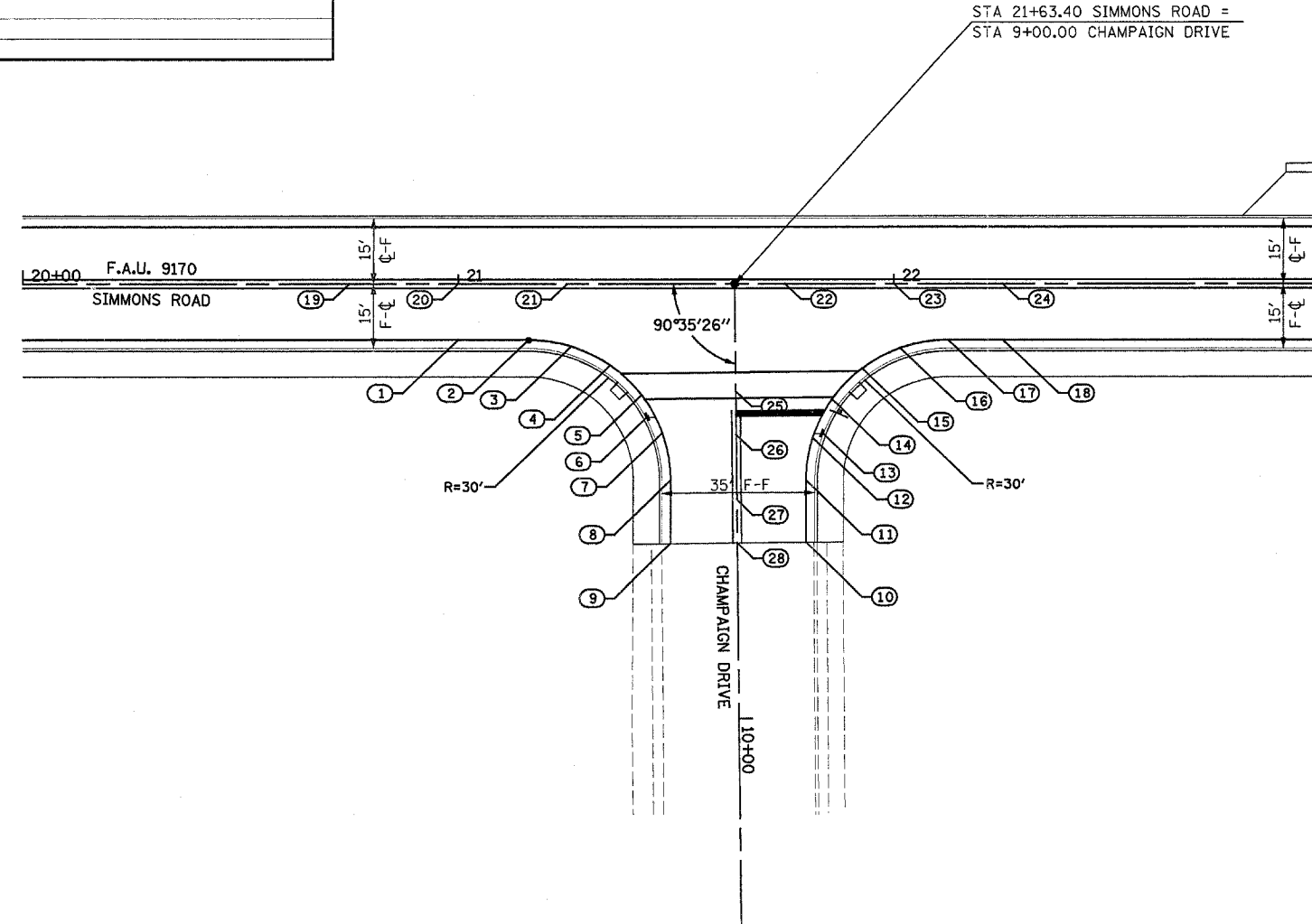
SIMMONS ROAD AT MILBURN SCHOOL RD & FAIRWOOD HILLS DRIVE					
POINT #	℄	STATION	OFFSET	ELEVATION	COMMENT
1	SIMMONS RD	10+62.90	13.00 LT	567.11	
2	SIMMONS RD	10+60.00	13.00 LT	567.11	INLET NO. 9, GR ELEV = 566.99
3	SIMMONS RD	10+52.90	13.00 LT	567.12	
4	SIMMONS RD	10+43.05	14.52 LT	566.98	
5	SIMMONS RD	10+34.13	18.95 LT	566.85	
6	SIMMONS RD	10+34.47	18.72 LT	566.85	INLET NO. 7, GR ELEV = 566.71
7	MILBURN	14+74.37	19.43 LT	566.71	
8	MILBURN	14+65.56	14.78 LT	566.58	
9	MILBURN	14+54.94	13.00 LT	566.43	
10	MILBURN	14+53.91	13.00 RT	566.41	
11	MILBURN	14+63.76	14.52 RT	566.62	
12	MILBURN	14+72.68	18.95 RT	566.84	
13	SIMMONS RD	9+81.74	19.87 LT	567.05	
14	SIMMONS RD	9+73.03	15.03 LT	567.27	
15	SIMMONS RD	9+61.73	13.00 LT	567.50	
16	SIMMONS RD	9+50.70	13.00 LT	567.56	
17	SIMMONS RD	9+50.70	13.00 RT	567.56	
18	SIMMONS RD	9+60.55	14.52 RT	567.39	
19	SIMMONS RD	9+69.47	18.95 RT	567.22	
20	FAIRWOOD	3+25.81	26.24 RT	567.05	
21	FAIRWOOD	3+30.06	25.80 RT	566.98	INLET NO. 2, GR ELEV = 566.86
22	FAIRWOOD	3+34.57	21.51 RT	566.88	
23	FAIRWOOD	3+45.50	19.64 RT	566.70	INLET NO. 2B, GR ELEV = 566.58
24	FAIRWOOD	3+59.09	19.65 RT	566.82	
25	FAIRWOOD	3+59.09	19.89 LT	566.81	
26	FAIRWOOD	3+45.67	19.91 LT	566.69	INLET NO. 2A, GR ELEV = 566.57
27	FAIRWOOD	3+35.83	21.44 LT	566.77	
28	FAIRWOOD	3+26.91	25.87 LT	566.85	
29	SIMMONS RD	10+35.66	19.67 RT	566.94	
30	SIMMONS RD	10+44.41	14.91 RT	567.02	
31	SIMMONS RD	10+55.42	13.00 RT	567.11	
32	SIMMONS RD	10+60.00	13.00 RT	567.11	INLET NO. 11, GR ELEV = 566.99
33	SIMMONS RD	10+65.42	13.00 RT	567.12	
34	SIMMONS RD	10+70.00	℄	567.31	
35	SIMMONS RD	10+60.00	℄	567.30	
36	SIMMONS RD	10+50.00	℄	567.31	
37	MILBURN	14+53.90	℄	566.60	
38	MILBURN	14+65.00	℄	566.83	
39	MILBURN	14+75.00	℄	567.03	
40	SIMMONS RD	9+50.70	℄	567.75	
41	SIMMONS RD	9+60.00	℄	567.70	
42	SIMMONS RD	9+70.00	℄	567.65	
43	FAIRWOOD	3+30.00	℄	567.05	
44	FAIRWOOD	3+40.00	℄	566.99	
45	FAIRWOOD	3+59.09	℄	567.11	



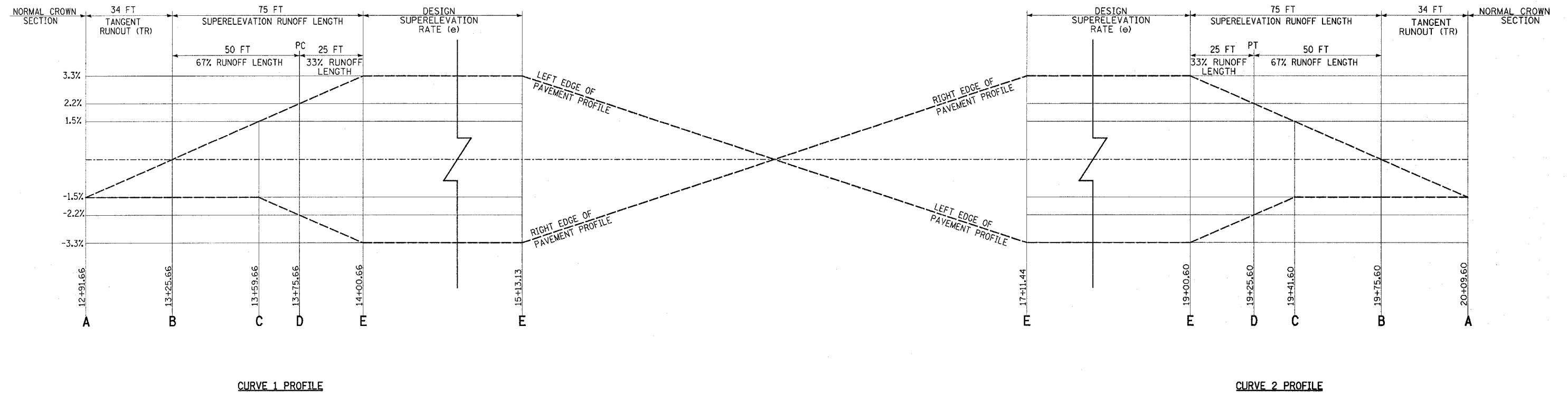
CITY OF O'FALLON, ILLINOIS  
**INTERSECTION DETAILS**  
**SIMMONS @ MILBURN SCHOOL**  
**& FAIRWOOD HILLS**  
 SHEET 1 OF 1  
 SCALE: 1"=20'  
 DATE: 3/14/03  
 DRAWN BY: SSM  
 CHECKED BY: SRD

Plot Date: 9/27/2005  
 Plot Time: 12:22:22 AM  
 Plot Path: R:\0305\Auto\Construction\plans\1911.dgn

SIMMONS ROAD AT MILBURN SCHOOL RD & CHAMPAIGN DRIVE					
POINT #	℄	STATION	OFFSET	ELEVATION	COMMENT
1	SIMMONS RD	21+00.00	13.00 RT	574.26	
2	SIMMONS RD	21+16.11	13.00 RT	574.42	
3	SIMMONS RD	21+25.96	14.52 RT	574.35	
4	SIMMONS RD	21+34.88	18.95 RT	574.28	
5	CHAMPAIGN	9+25.64	21.61 RT	574.21	
6	CHAMPAIGN	9+30.76	18.48 RT	574.18	INLET (NO. 26), GR ELEV=574.06
7	CHAMPAIGN	9+34.45	16.96 RT	574.20	
8	CHAMPAIGN	9+45.42	15.17 RT	574.25	
9	CHAMPAIGN	9+60.00	15.32 RT	574.47	
10	CHAMPAIGN	9+60.00	15.77 LT	574.46	
11	CHAMPAIGN	9+45.75	15.92 LT	574.24	
12	CHAMPAIGN	9+35.92	17.54 LT	574.18	
13	CHAMPAIGN	9+34.99	17.86 LT	574.17	INLET (NO. 27), GR ELEV = 574.05
14	CHAMPAIGN	9+27.04	22.06 LT	574.23	
15	SIMMONS RD	21+92.65	19.65 RT	574.30	
16	SIMMONS RD	22+01.41	14.90 RT	574.36	
17	SIMMONS RD	22+12.37	13.00 RT	574.44	
18	SIMMONS RD	22+25.00	13.00 RT	574.32	
19	SIMMONS RD	20+75.00	℄	574.10	
20	SIMMONS RD	21+00.00	℄	574.45	
21	SIMMONS RD	21+25.00	℄	574.68	
22	SIMMONS RD	21+75.00	℄	574.82	
23	SIMMONS RD	22+00.00	℄	574.72	
24	SIMMONS RD	22+25.00	℄	574.51	
25	CHAMPAIGN	9+25.00	℄	574.46	
26	CHAMPAIGN	9+35.00	℄	574.41	
27	CHAMPAIGN	9+50.00	℄	574.54	
28	CHAMPAIGN	9+60.00	℄	574.70	



Plotted By: edonshue  
 Filename: I:\030053\02\Construction\plans\int2.dgn  
 Date: 9/27/2005  
 Plot Time: 7:22:53 AM



SUPERELEVATION DETAIL FOR REVERSE CURVES

CITY OF O'FALLON, ILLINOIS	
<b>SUPERELEVATION DETAIL</b>	
SCALE: NONE	DRAWN BY: SSM
DATE:	CHECKED BY: SRD

**EARTH EXCAVATION FOR ENERGY DISSIPATOR**

THIS WORK INVOLVES THE EXCAVATION OF EARTH AS SHOWN IN THE SKETCH TO THE LENGTH, WIDTH, AND DEPTH AS SPECIFIED. THE EARTH EXCAVATION WILL BE UTILIZED IN THE ROADWAY EMBANKMENT OR WASTED AS DIRECTED BY THE ENGINEER. THE EXCAVATION SHALL BE PERFORMED AT THE SAME TIME AS THE CULVERT OR DITCH IS CONSTRUCTED TO SERVE AS A TEMPORARY SEDIMENT TRAP. EARTHWORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE RIPRAP.

ENERGY DISSIPATOR SHALL NOT BE CONSTRUCTED UNTIL THE PERMANENT SLOPE OR DITCH STABILIZATION HAS BEEN INSTALLED.

ENERGY DISSIPATOR IS TO BE CONSTRUCTED AT THE LOCATION INDICATED ON THE PLAN AND PROFILE SHEETS.

**RIPRAP FOR ENERGY DISSIPATOR**

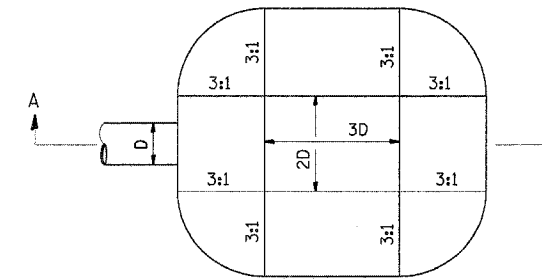
RIPRAP FOR ENERGY DISSIPATOR SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 281 OF THE STANDARD SPECIFICATIONS EXCEPT AS REVISED HEREIN.

THE LENGTH, WIDTH, AND DEPTH FOR RIPRAP PLACEMENT SHALL BE AS SPECIFIED IN THESE DETAILS.

THE RIPRAP FOR THE ENERGY DISSIPATOR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR **STONE DUMPED RIPRAP**.

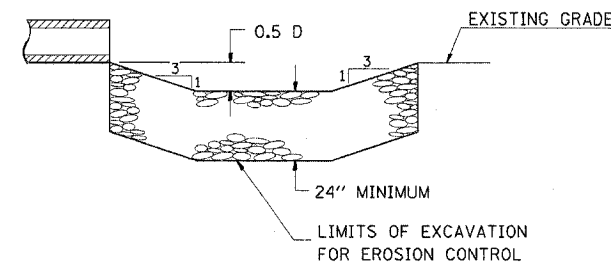
THE STONE DUMPED RIPRAP SHALL CONFORM TO THE QUALITY AND GRADATION REQUIREMENTS OF STONE RIPRAP, CLASS A4.

FILTER FABRIC AND BEDDING MATERIAL AS SPECIFIED IN SECTION 281 OF THE STANDARD SPECIFICATIONS WILL NOT BE REQUIRED.



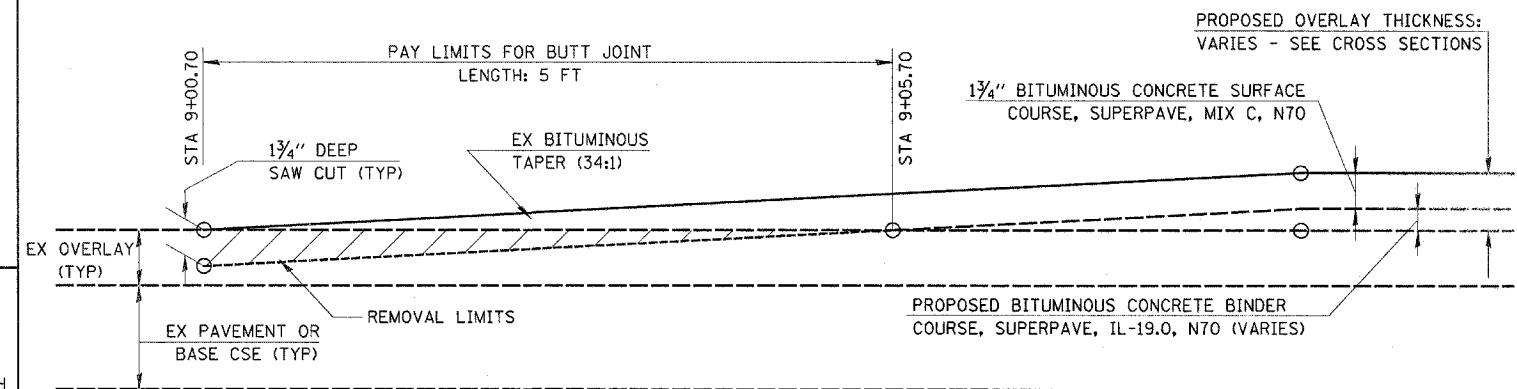
D= INSIDE DIAMETER OF PIPE CULVERT OR CLEAR HEIGHT OF BOX CULVERT

**PLAN**



**SECTION A-A**

**ENERGY DISSIPATOR**



**BUTT JOINT DETAIL**

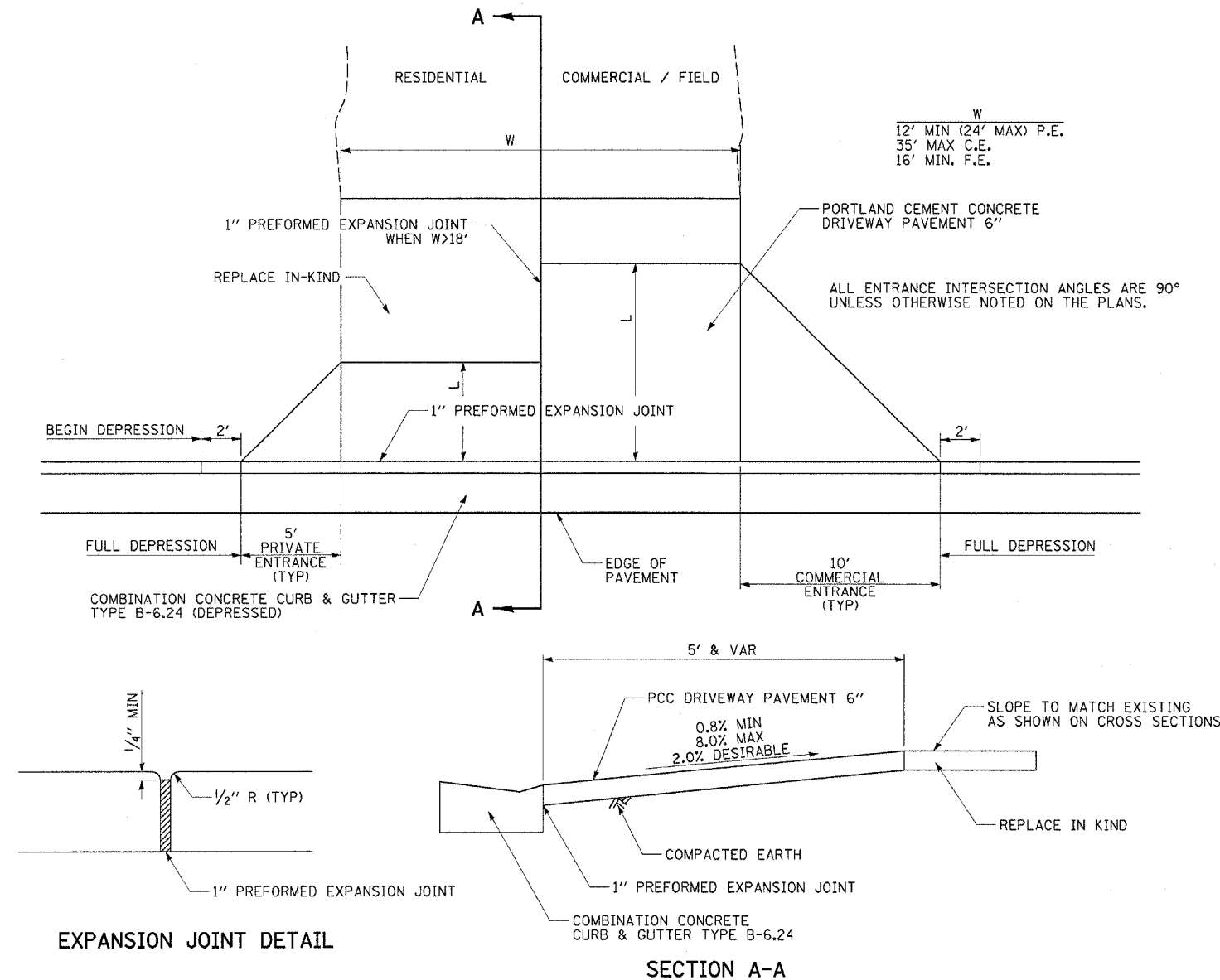
MILBURN SCHOOL ROAD  
 SIMMONS ROAD STA. 9+00.70 TO 9+50.70

CITY OF O'FALLON, ILLINOIS

**DETAILS**

SCALE: NONE  
 DATE:

DRAWN BY: SSM  
 CHECKED BY: SRD

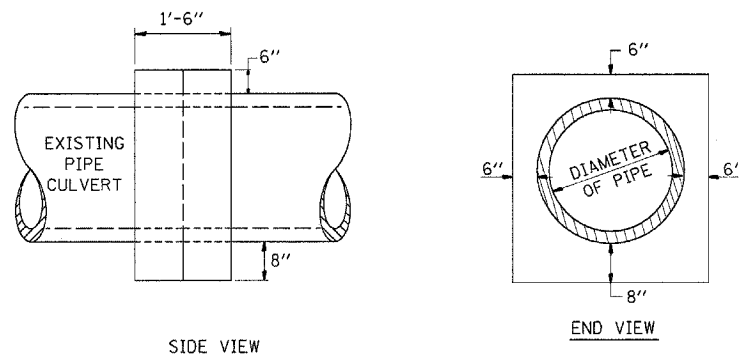


**SECTION A-A**

**EXPANSION JOINT DETAIL**

1" PREFORMED EXPANSION JOINTS ARE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 6". COMBINATION CONCRETE CURB & GUTTER TYPE B-6.24 WILL BE PAID FOR SEPARATELY & INCLUDES DEPRESSING THE CURB WITHIN THE LIMITS OF THE ENTRANCE PAVEMENT.

**ENTRANCE DETAIL**



**DETAILS OF CONCRETE COLLAR**

PIPE TO PIPE

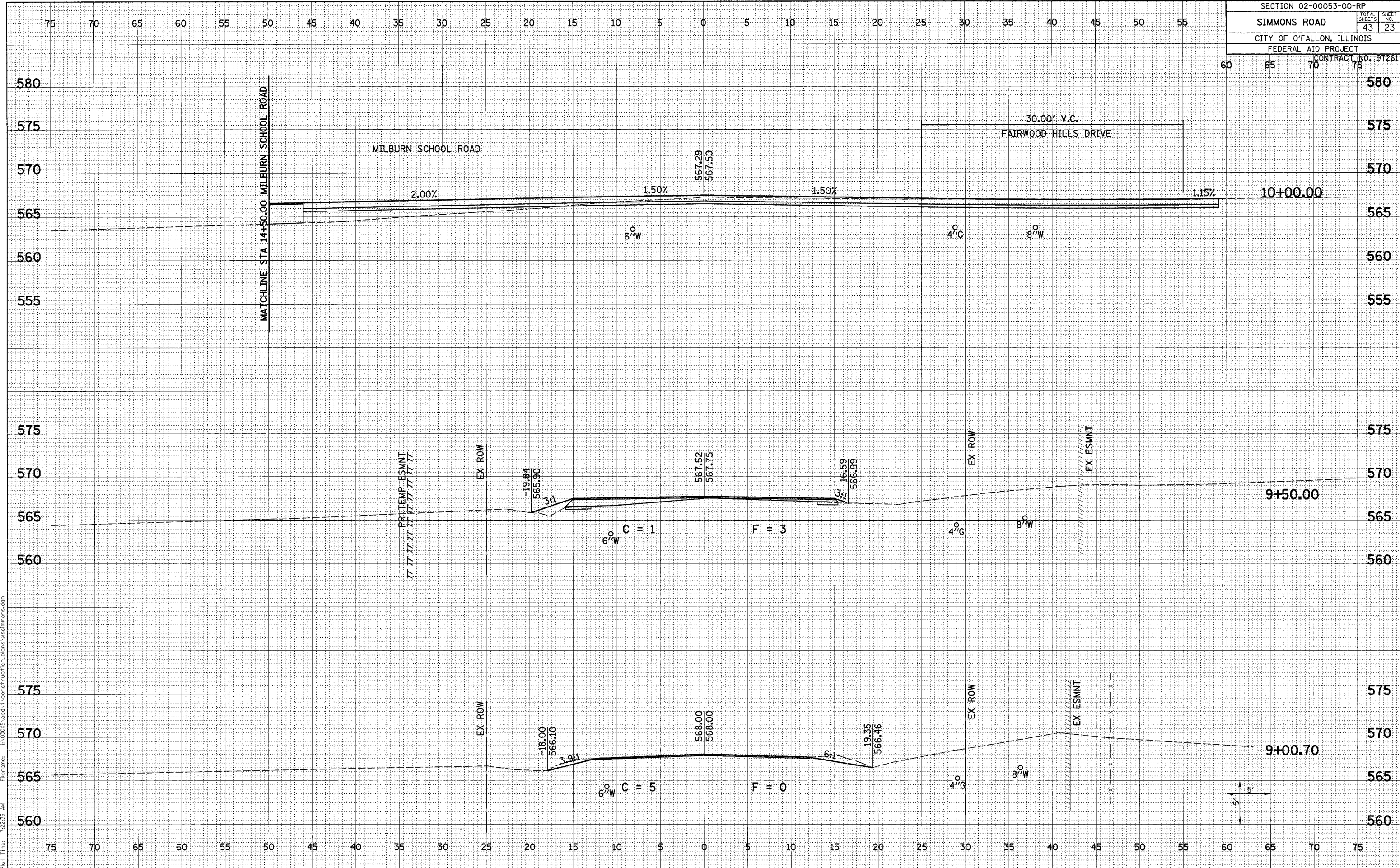
THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR CONCRETE COLLAR AS SHOWN ON THE PLANS, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS THE EXISTING HEADWALLS AS MAY BE REQUIRED.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

**TABULATION**

DIAMETER OF PIPE	CL. SI CONC. CU. YDS. EST.
12"	0.24
15"	0.29
18"	0.32
24"	0.44
30"	0.56
36"	0.66
42"	0.80
48"	0.93
54"	1.07
60"	1.22
72"	1.55

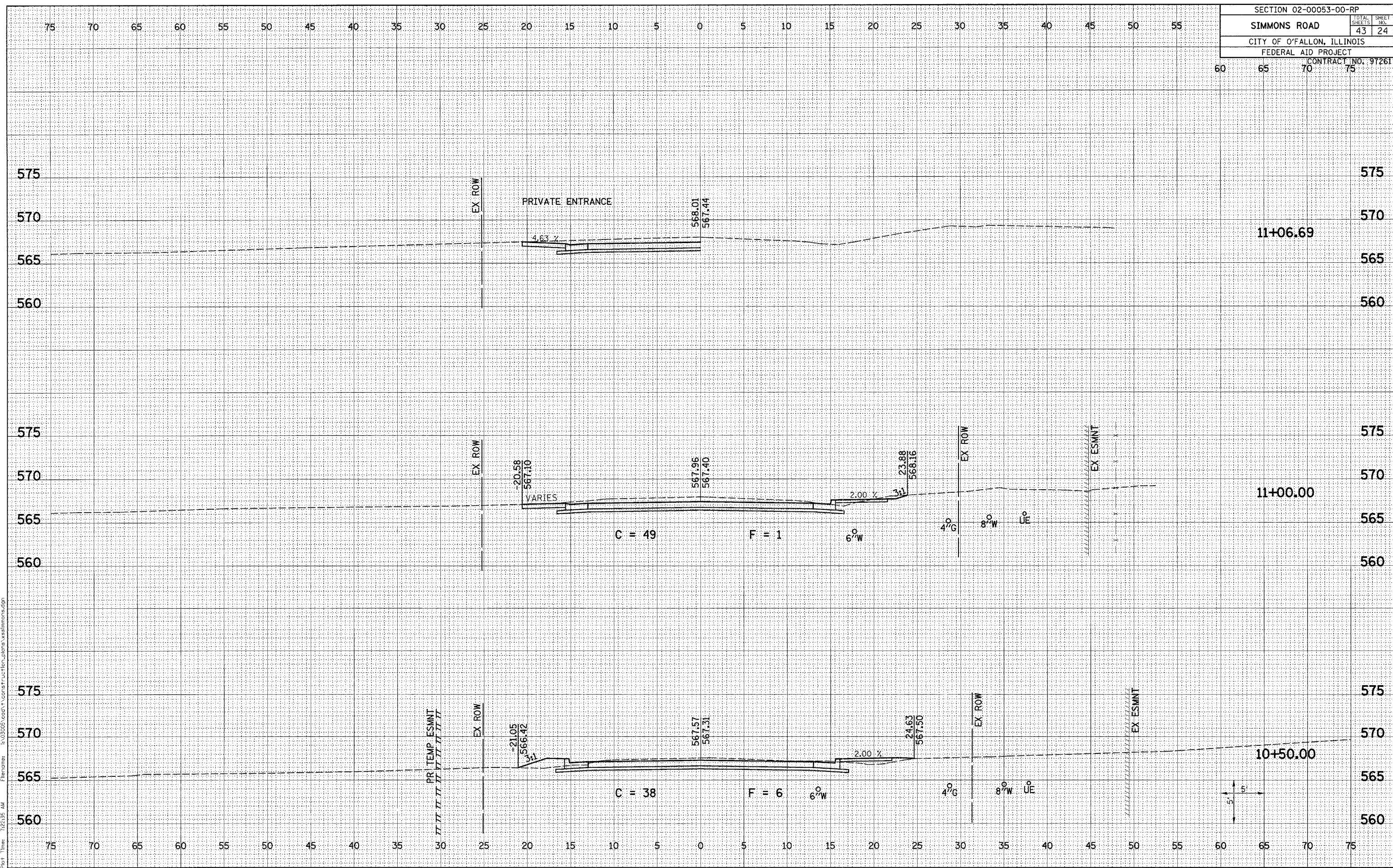
SECTION 02-00053-00-RP		
SIMMONS ROAD		TOTAL SHEETS: 43
CITY OF O'FALLON, ILLINOIS		SHEET NO.: 23
FEDERAL AID PROJECT		CONTRACT NO.: 91261



Plot Date: 9/27/2005  
 Plot Time: 8:23:55 AM  
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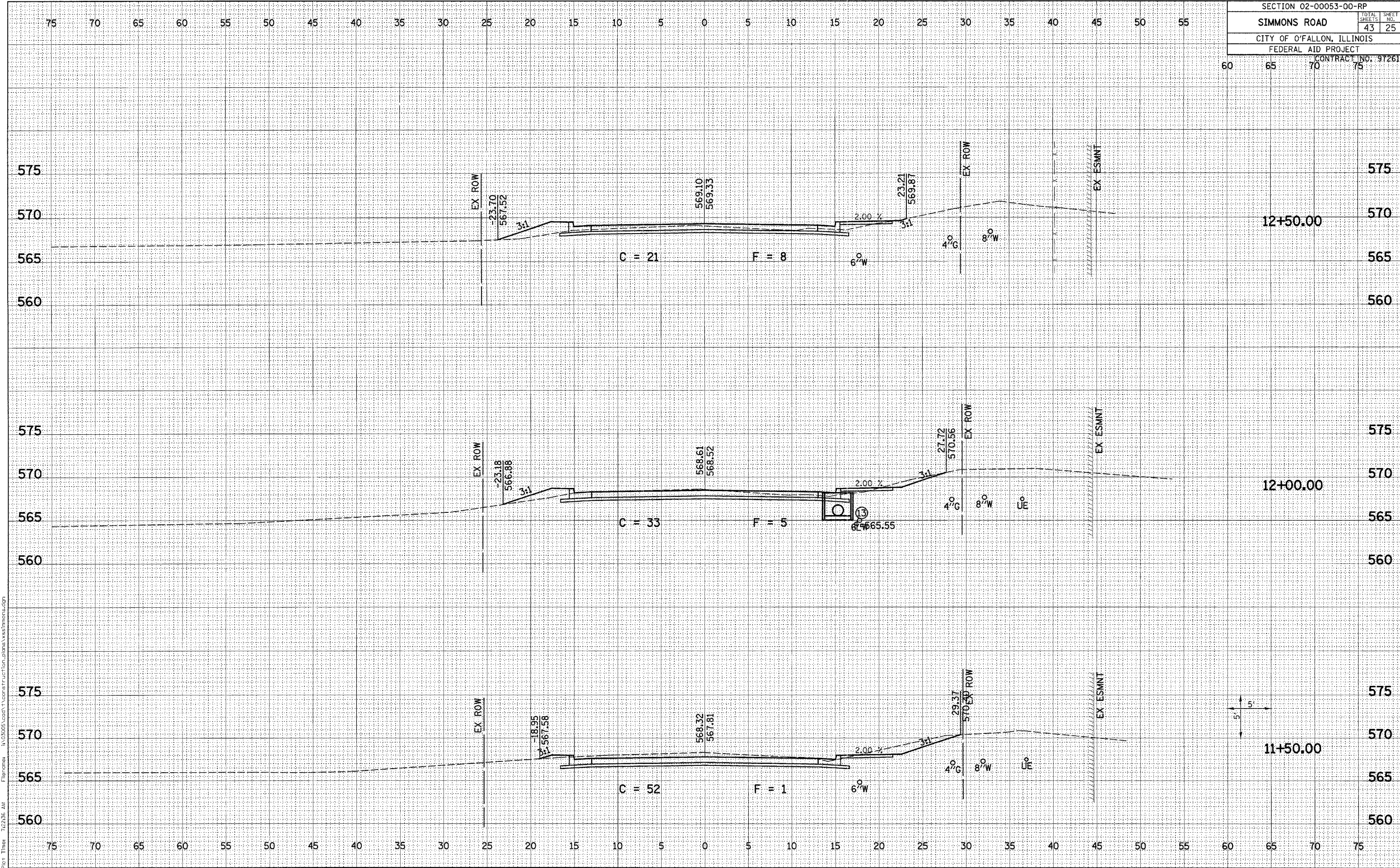


SECTION 02-00053-00-RP		
SIMMONS ROAD		TOTAL SHEETS 43
CITY OF O'FALLON, ILLINOIS		SHEET NO. 24
FEDERAL AID PROJECT		
CONTRACT NO. 91261		



Plot Date: 9/27/2005  
 Plot Time: 12:25:51 AM  
 Plotted By: sdonohue  
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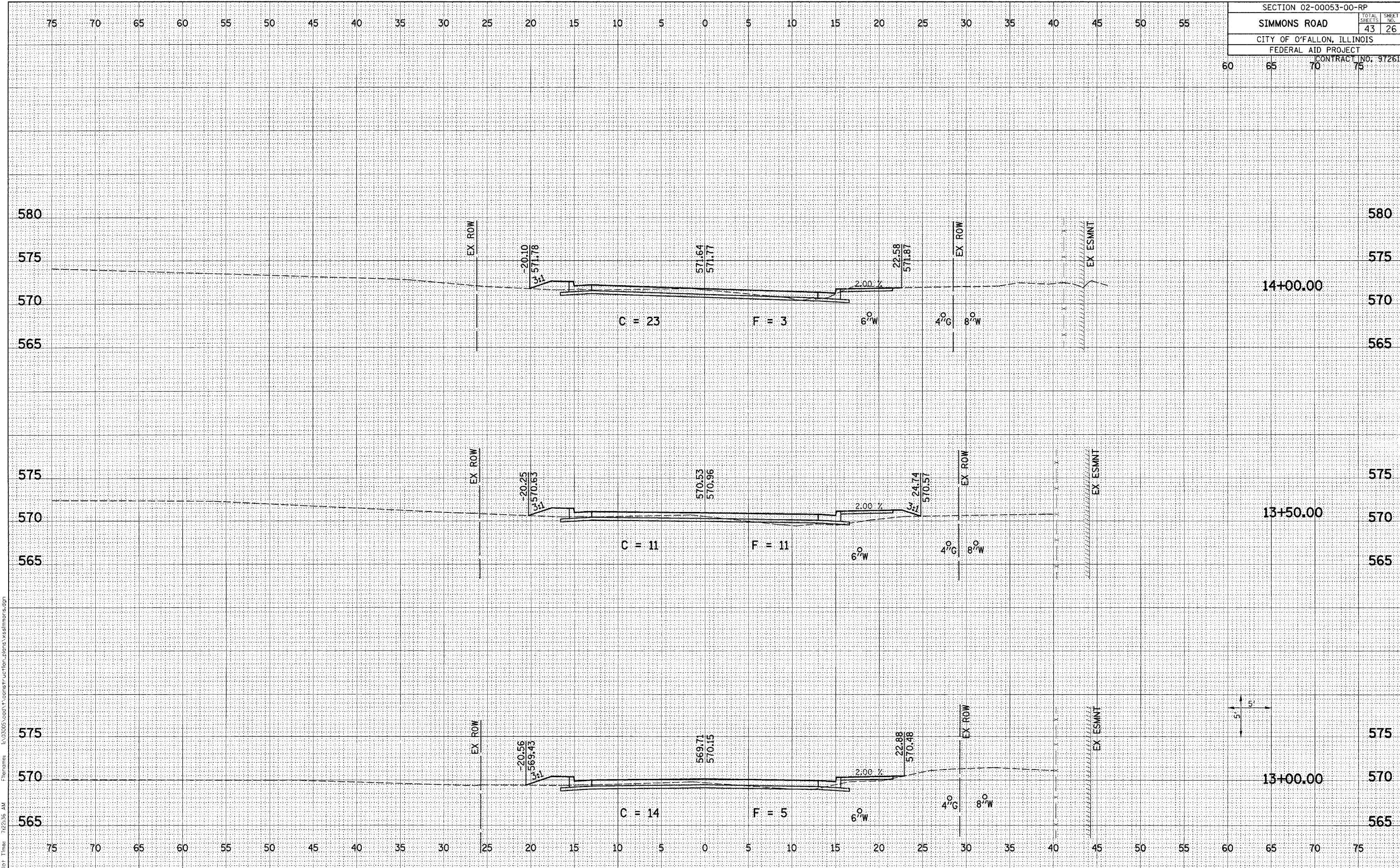
SECTION 02-00053-00-RP		
SIMMONS ROAD	TOTAL SHEETS	SHEET NO.
CITY OF O'FALLON, ILLINOIS	43	25
FEDERAL AID PROJECT		
CONTRACT NO. 97261		



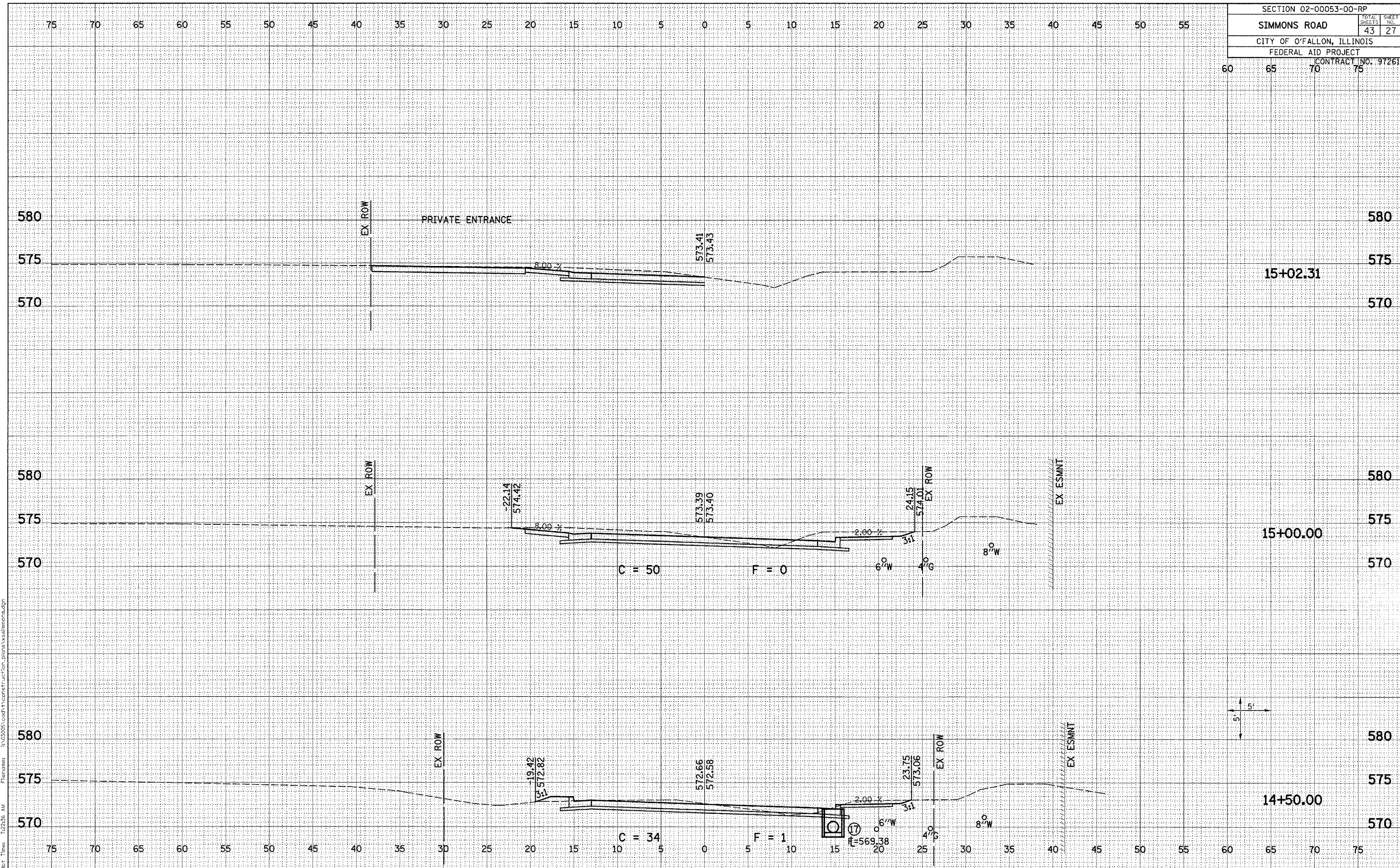
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SECTION 02-00053-00-RP		
SIMMONS ROAD	TOTAL SHEETS	SHEET NO.
CITY OF O'FALLON, ILLINOIS	43	26
FEDERAL AID PROJECT		
CONTRACT NO. 97261		



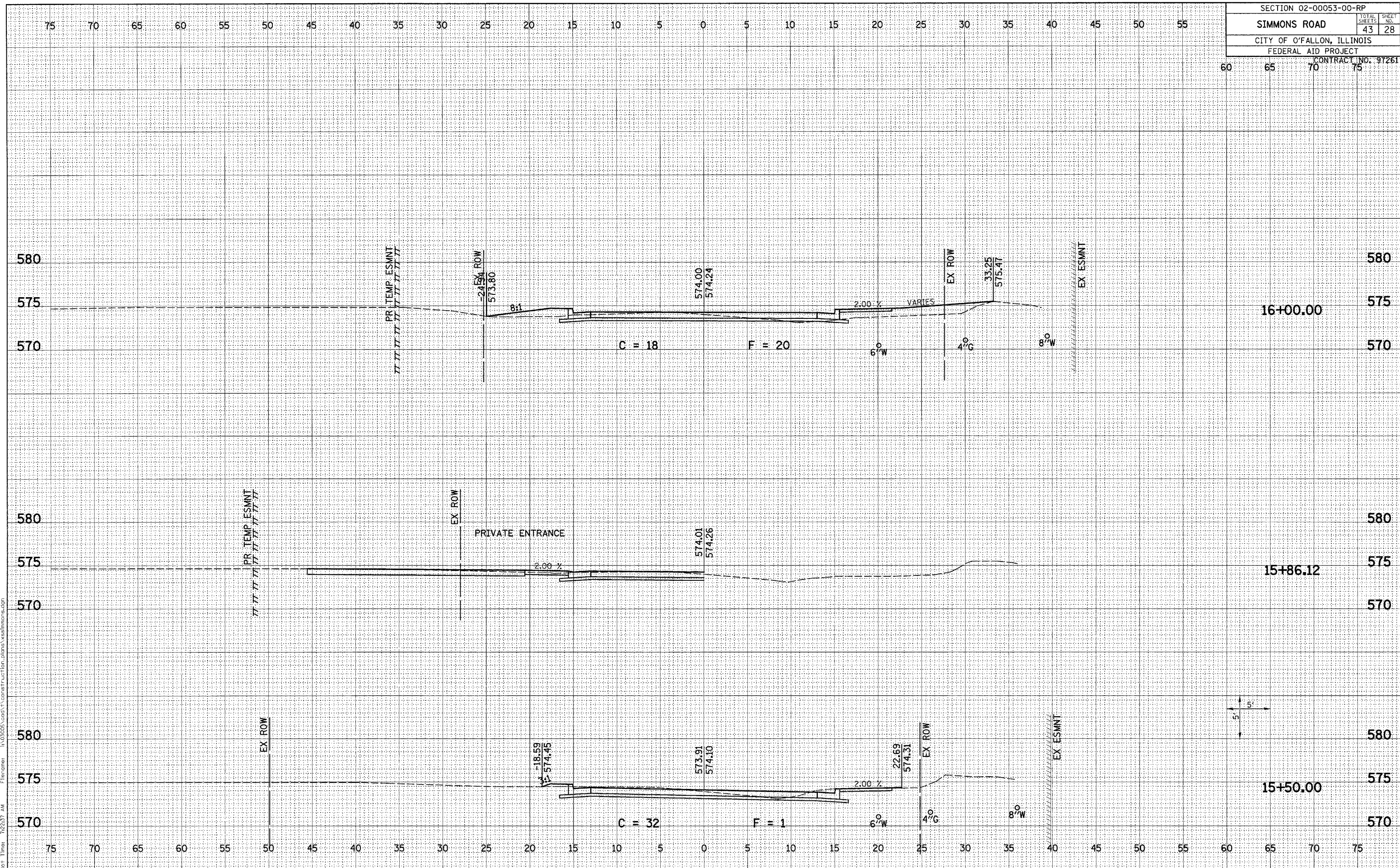
SECTION 02-00053-00-RP	
SIMMONS ROAD	TOTAL SHEETS 43 SHEET NO. 27
CITY OF O'FALLON, ILLINOIS	
FEDERAL AID PROJECT	
CONTRACT NO. 97261	



Plot Date: 9/27/2005  
 Plotted By: scondra  
 File Name: I:\02005\004\1\construction\plans\simmons.dgn  
 Plot Time: 7:23:36 AM

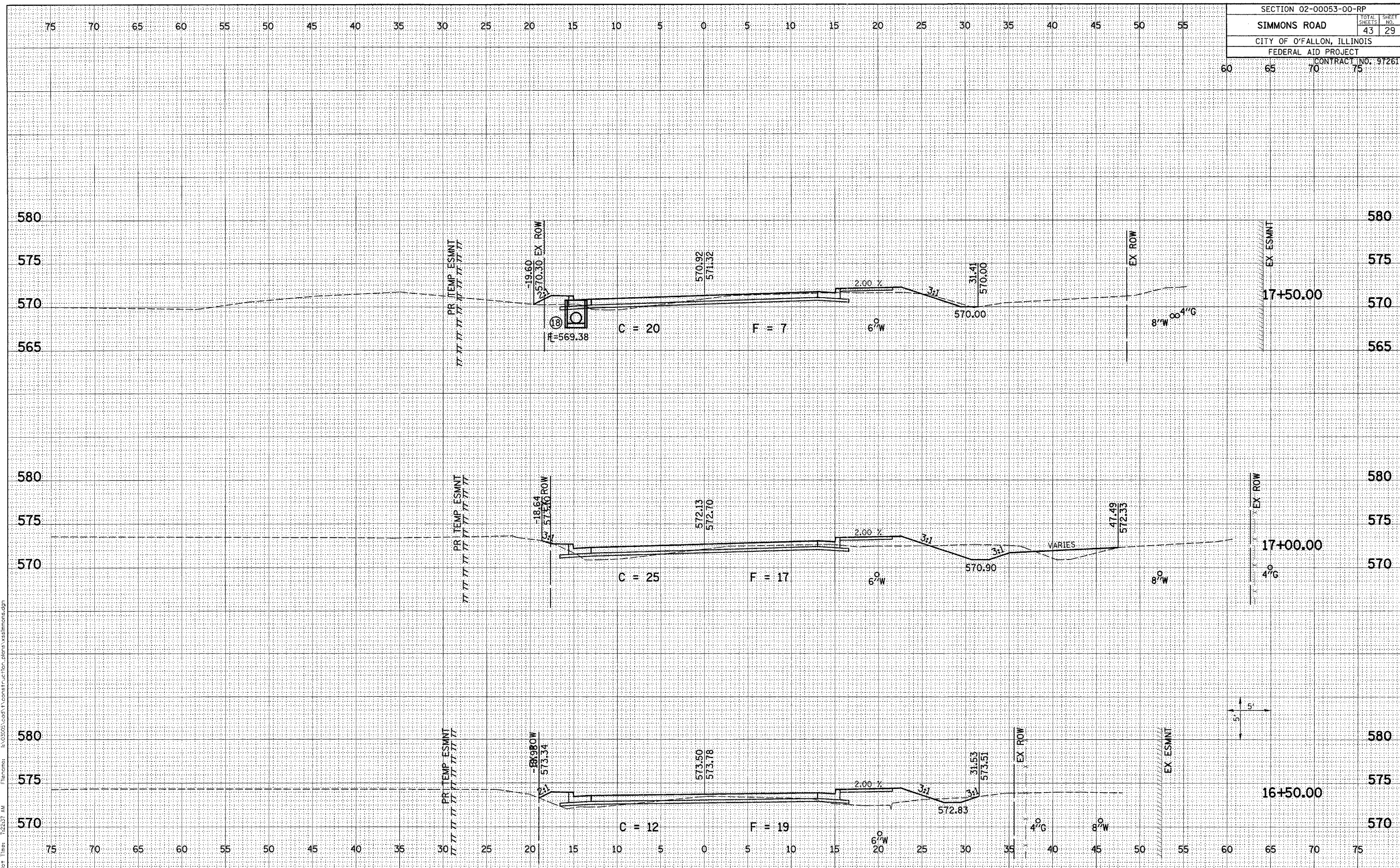


SECTION 02-00053-00-RP		
SIMMONS ROAD		TOTAL SHEETS: 43
CITY OF O'FALLON, ILLINOIS		SHEET NO.: 28
FEDERAL AID PROJECT		
CONTRACT NO. 97261		



Plot Date: 9/27/2005  
 Plot Time: 12:23:37 PM  
 Plotted By: sdbonath  
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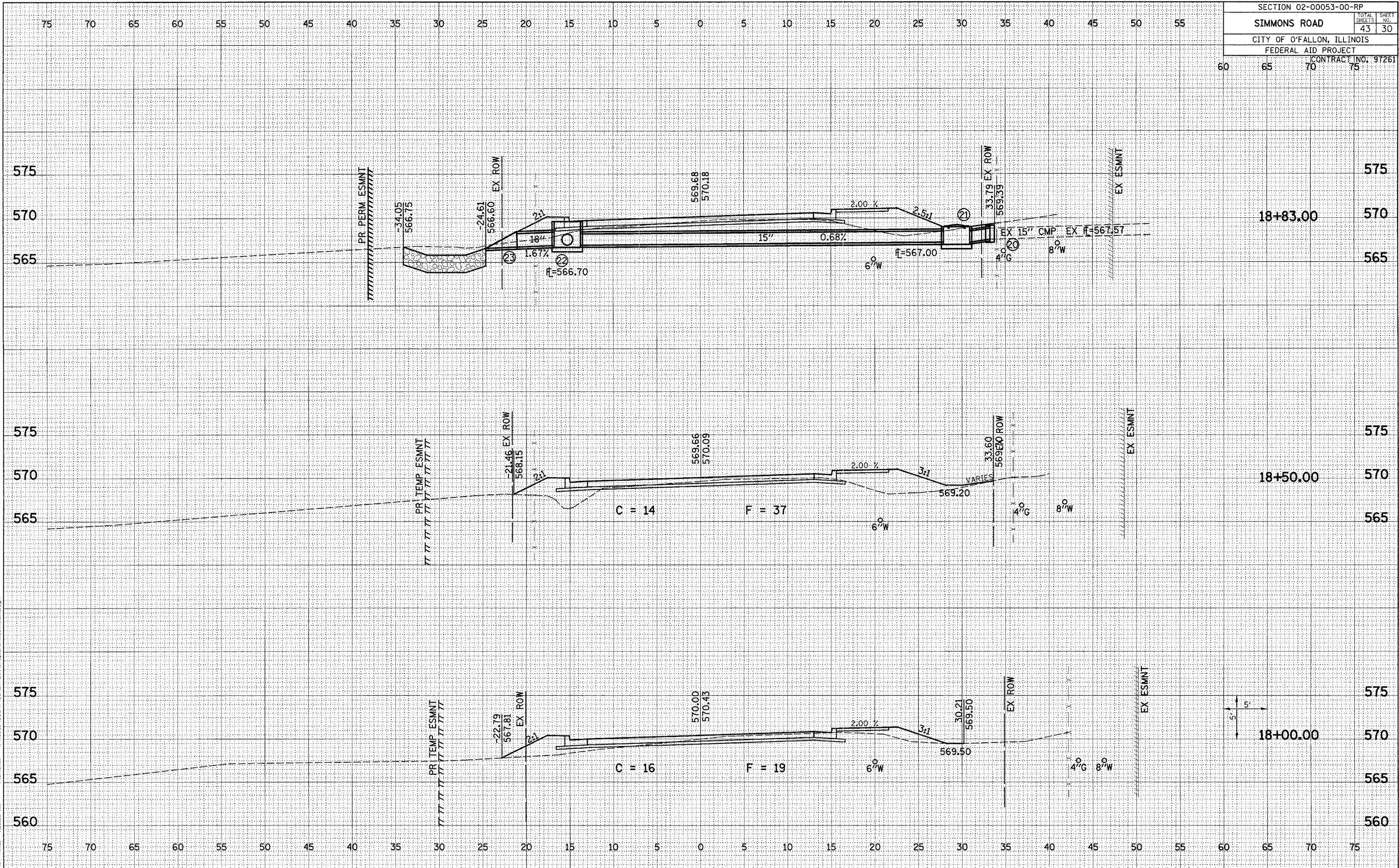
SECTION 02-00053-00-RP	
SIMMONS ROAD	TOTAL SHEETS 43 / SHEET NO. 29
CITY OF O'FALLON, ILLINOIS	
FEDERAL AID PROJECT	
CONTRACT NO. 91261	



Plotted By: edonohue  
 File Name: I:\03053\_CofA\Construction\plans\vs\simmons.dgn  
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 Plot Title: 122537.dwg

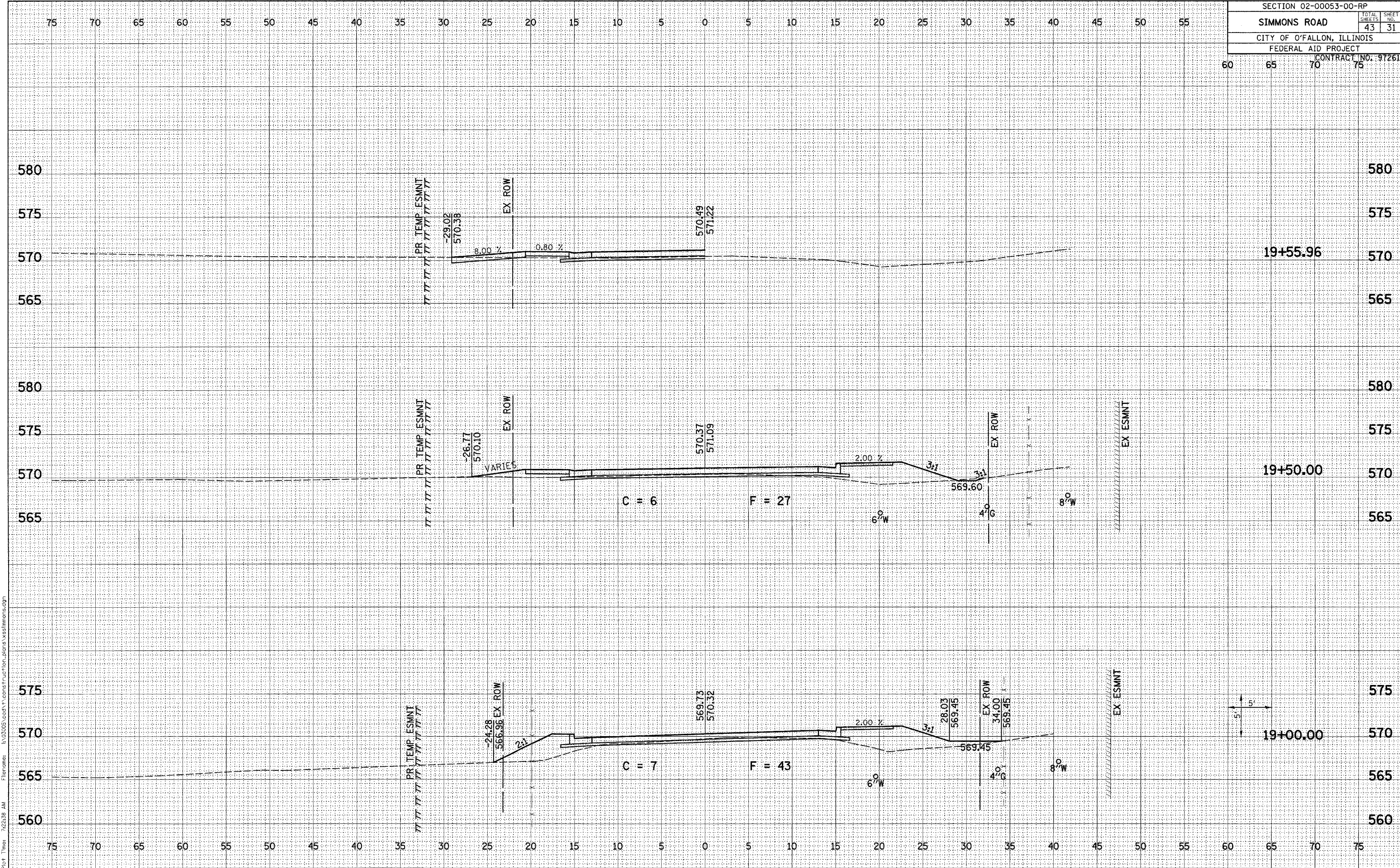


SECTION 02-00053-00-RP		
SIMMONS ROAD	TOTAL SHEETS	SHEET NO.
	43	30
CITY OF O'FALLON, ILLINOIS		
FEDERAL AID PROJECT		
CONTRACT NO. 91261		



Plot Date: 9/27/2005  
 Plot Time: 7:22:38 AM  
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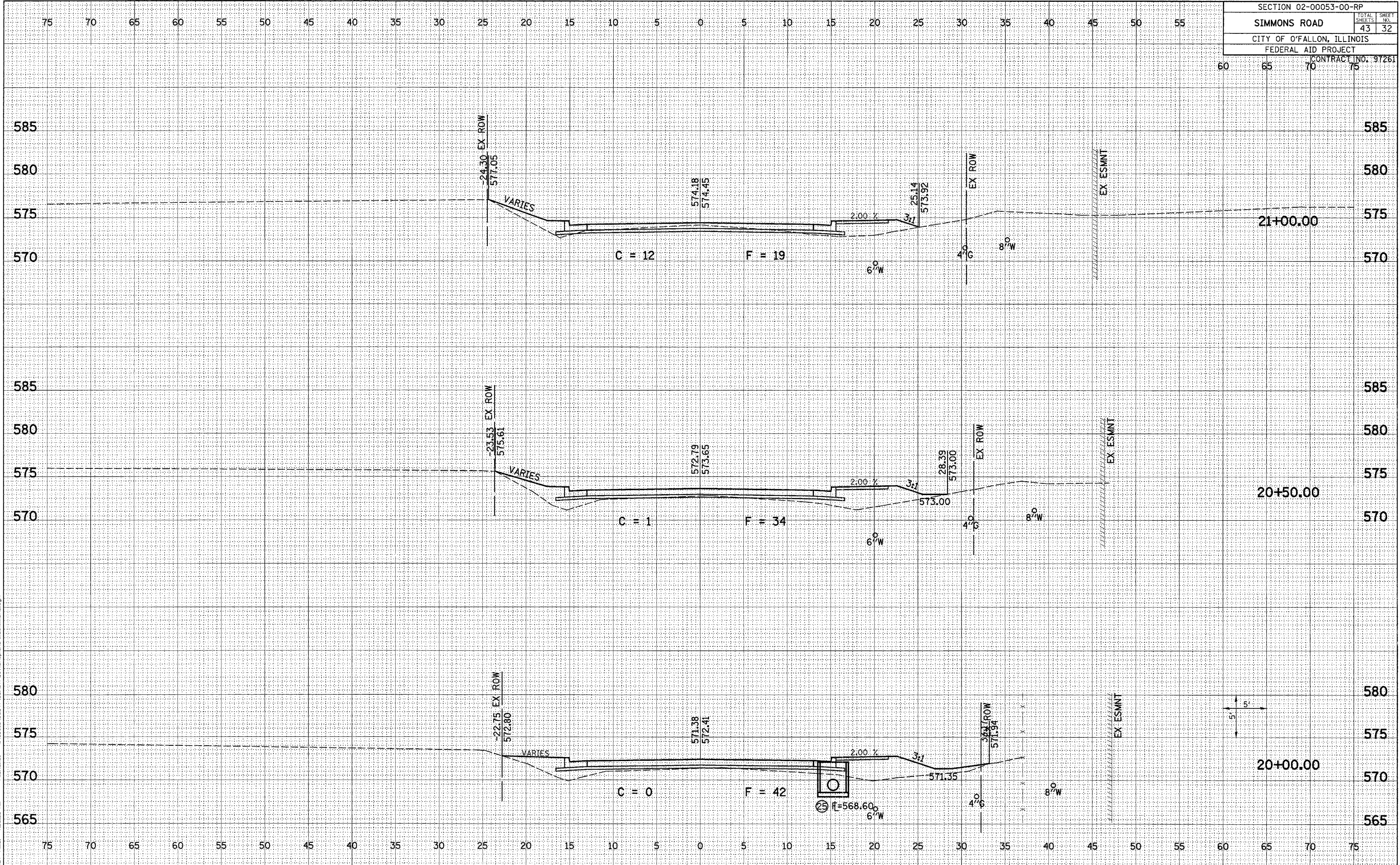
SECTION 02-00053-00-RP		
SIMMONS ROAD	TOTAL SHEETS	SHEET NO.
CITY OF O'FALLON, ILLINOIS	43	31
FEDERAL AID PROJECT		
CONTRACT NO. 97261		



Plot Date: 9/27/2005  
 Plot Time: 7:22:38 AM  
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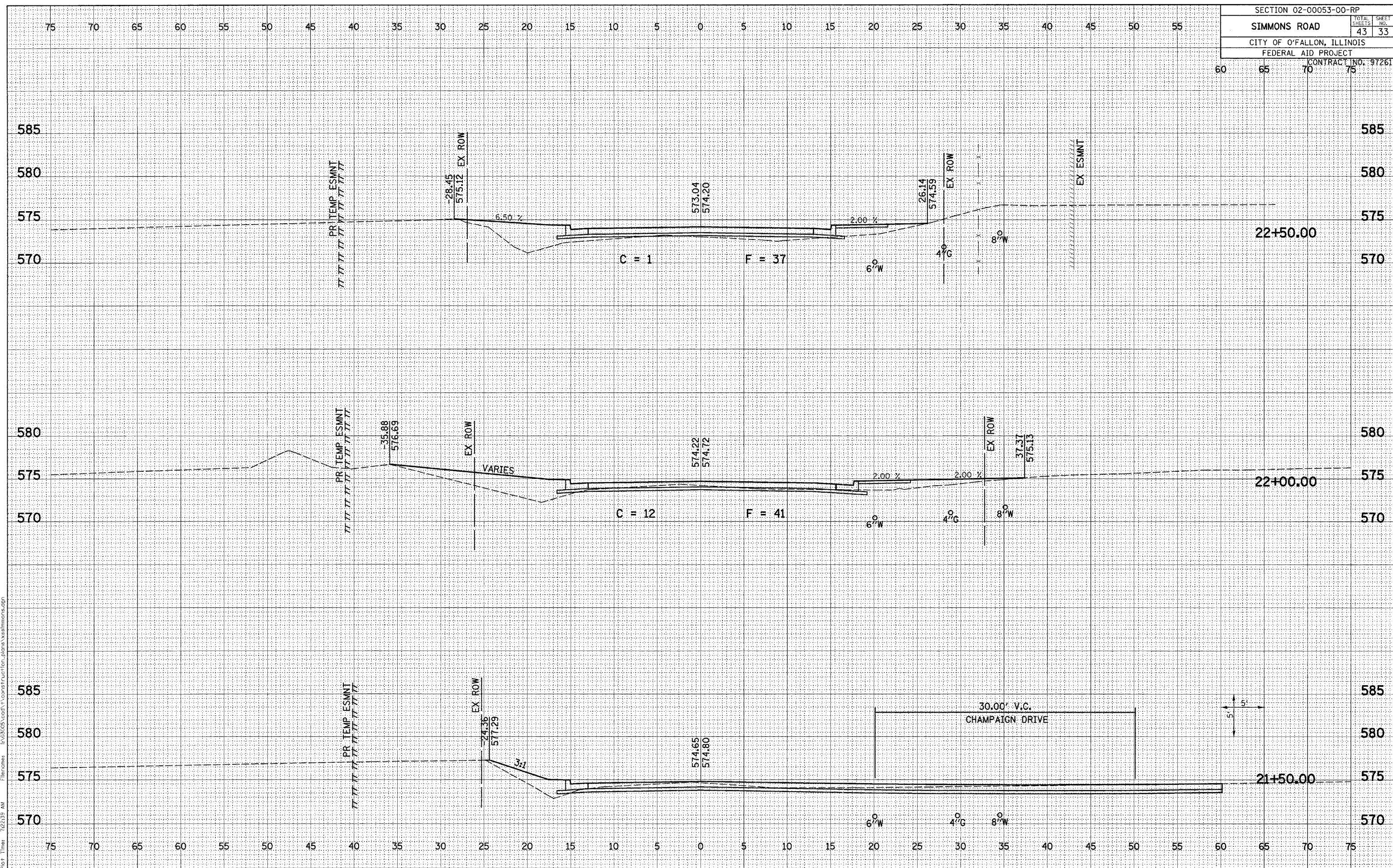
SECTION 02-00053-00-RP		
SIMMONS ROAD	TOTAL SHEETS	SHEET NO.
CITY OF O'FALLON, ILLINOIS	43	32
FEDERAL AID PROJECT		
CONTRACT NO. 97261		



Plot Date: 9/27/2005  
 Plot Title: 722338.dwg  
 Plotted By: sdonohue  
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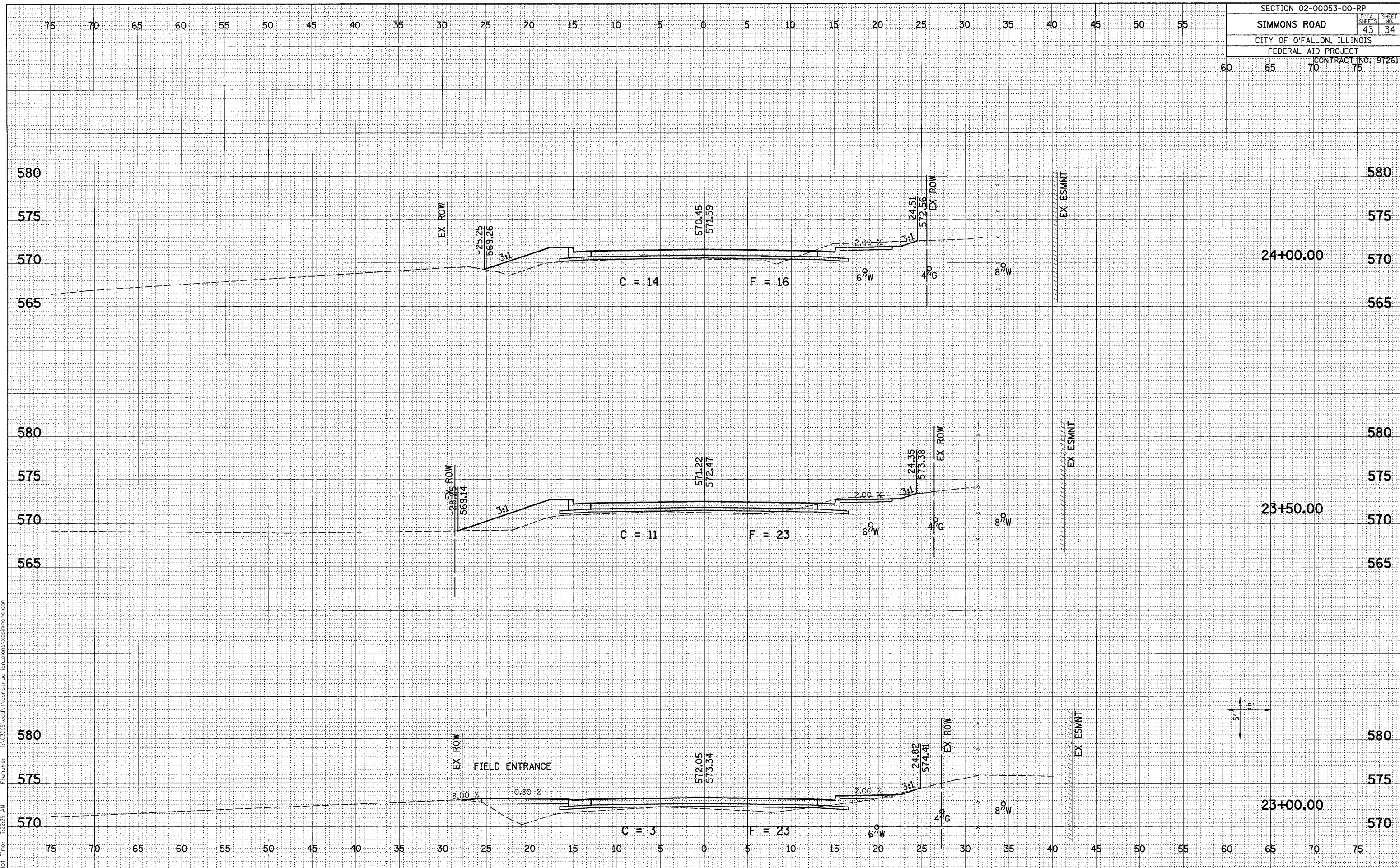


SECTION 02-00053-00-RP		
SIMMONS ROAD	TOTAL SHEETS	SHEET NO.
CITY OF O'FALLON, ILLINOIS	43	33
FEDERAL AID PROJECT		
CONTRACT NO. 97261		



Plot Date: 9/27/2005  
 Plot Time: 7:23:57 AM  
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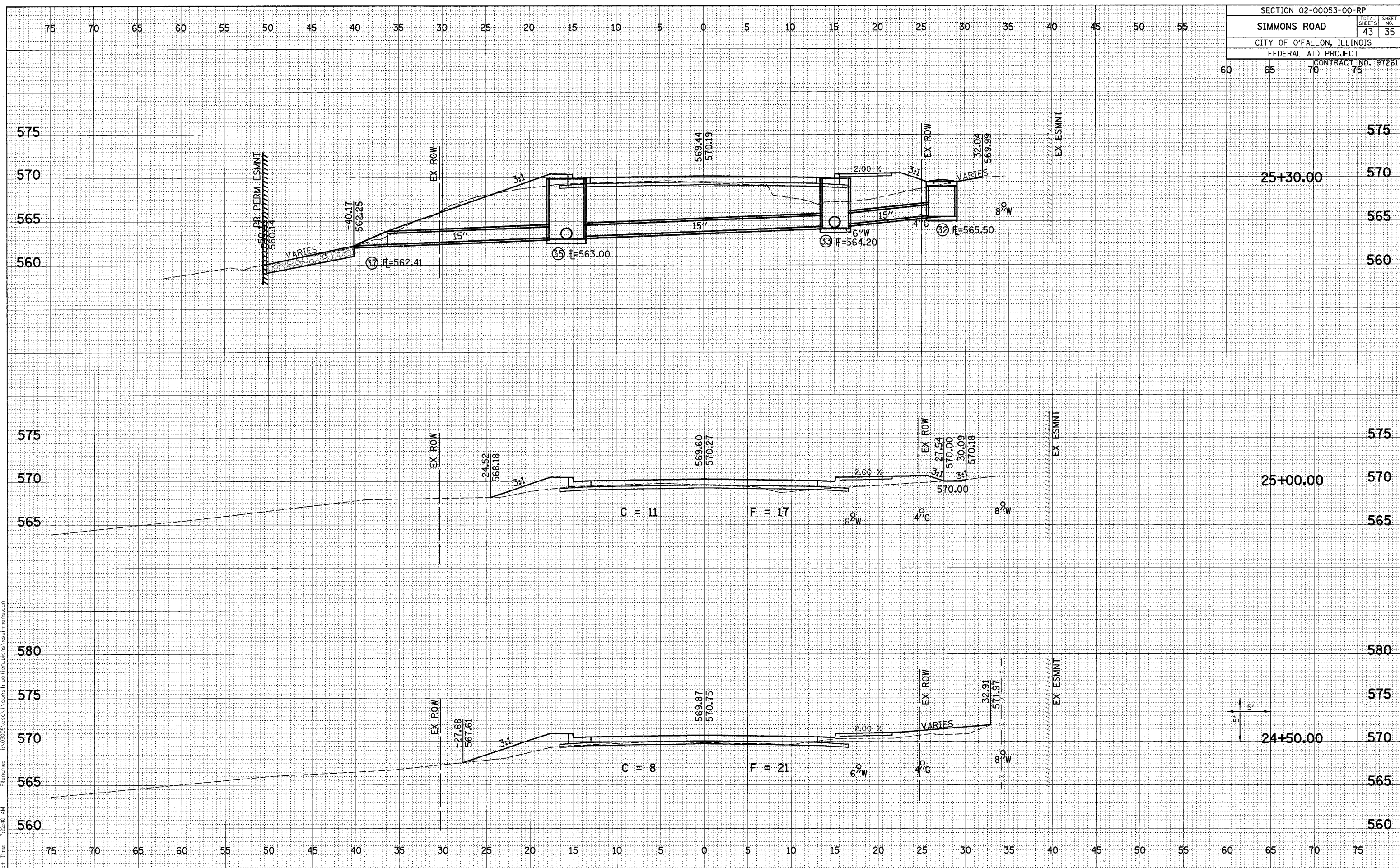
SECTION 02-00053-00-RP		
SIMMONS ROAD		TOTAL SHEETS: 43
CITY OF O'FALLON, ILLINOIS		SHEET NO: 34
FEDERAL AID PROJECT		
CONTRACT NO: 97261		



Plotted By: sdonathue  
 File Name: I:\03005\cadd\construction\plans\ss\simmons.dgn  
 Plot Date: 9/27/2005  
 Plot Time: 12:23:59 AM

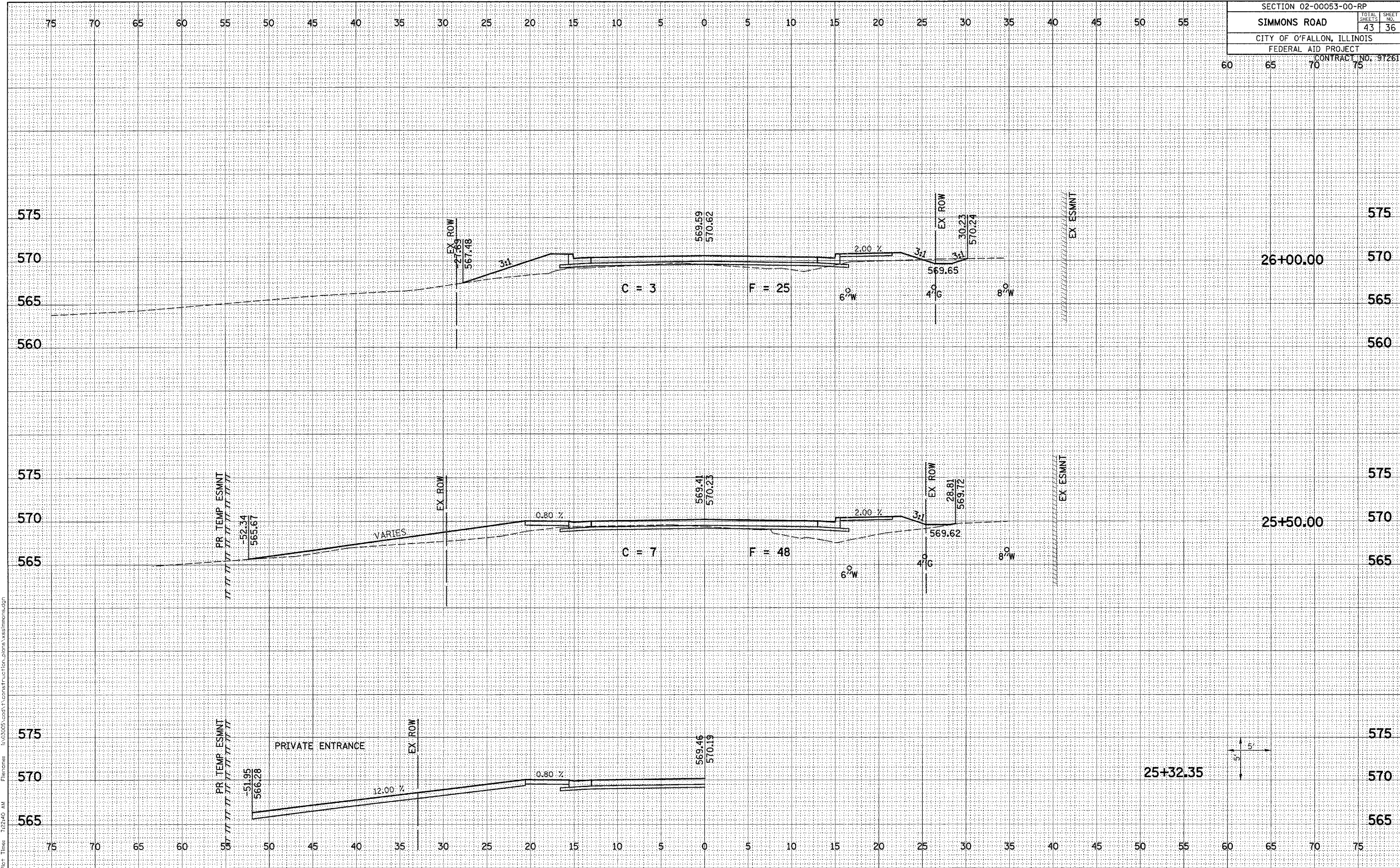


SECTION 02-00053-00-RP		
SIMMONS ROAD		TOTAL SHEETS 43
CITY OF O'FALLON, ILLINOIS		SHEET NO. 35
FEDERAL AID PROJECT		CONTRACT NO. 91261



Plot Date: 9/27/2005  
 Plot Time: 12:24:40 AM  
 Plotted By: adonohue  
 Filename: I:\0305\road\1\construction\_plans\sssimmons.dgn

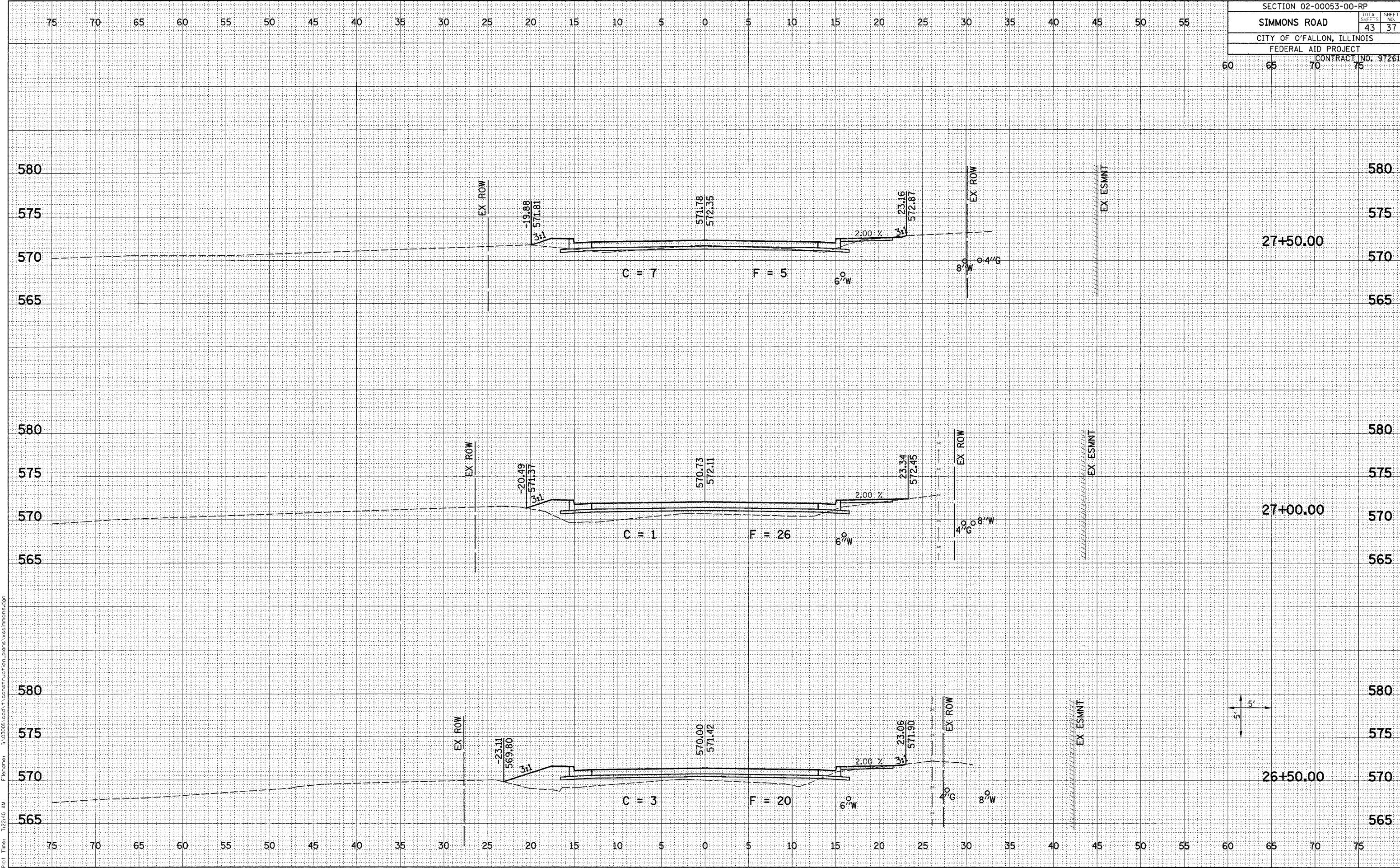
SECTION 02-00053-00-RP		
SIMMONS ROAD	TOTAL SHEETS	SHEET NO.
CITY OF O'FALLON, ILLINOIS	43	36
FEDERAL AID PROJECT		
CONTRACT NO. 91261		



Plot Date: 9/27/2005  
 Plotted By: adonohue  
 File Name: I:\0305\oad\1\const\function\plans\sssimmons.dgn  
 Plot Time: 7:22:40 AM



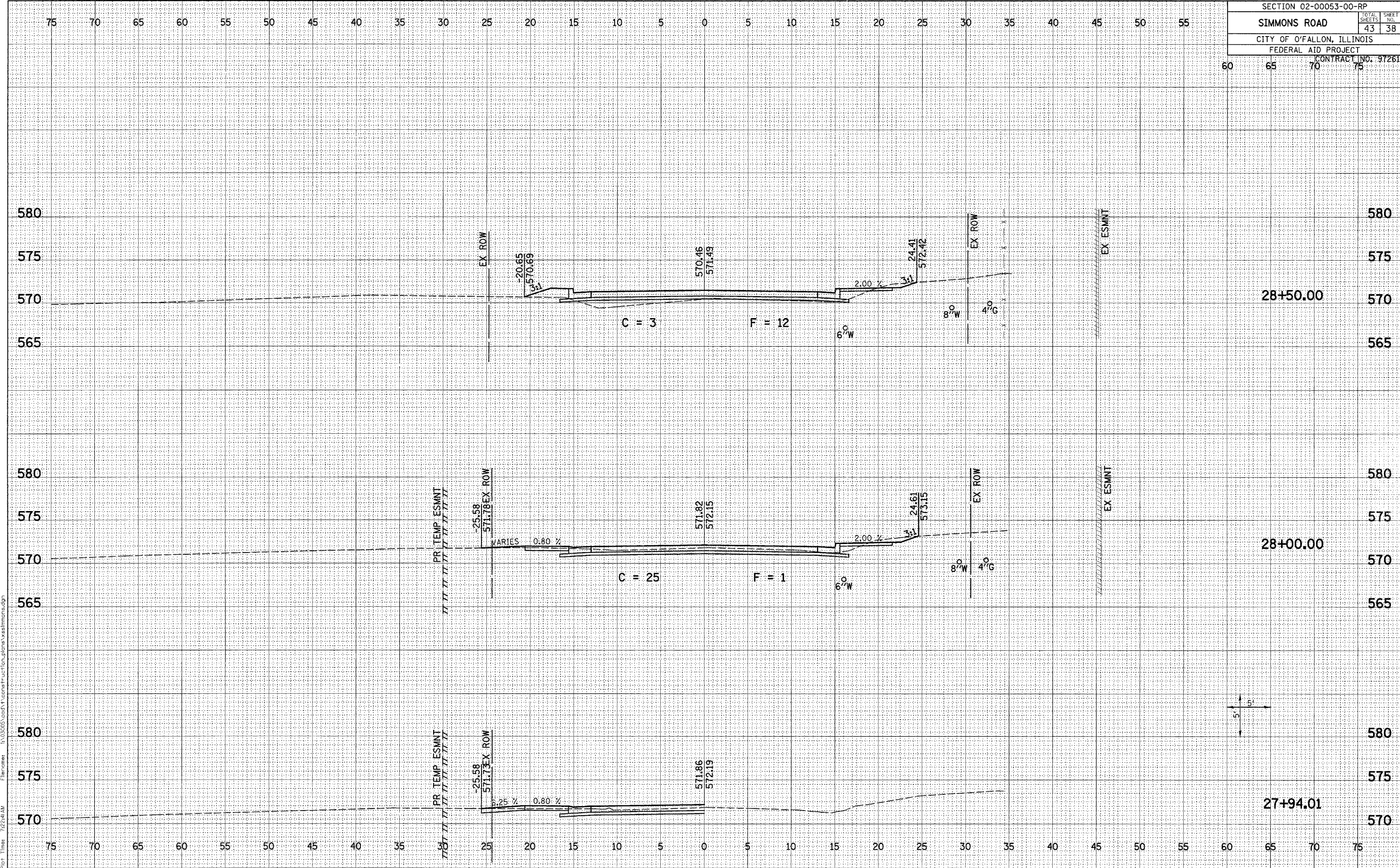
SECTION 02-00053-00-RP		
SIMMONS ROAD	TOTAL SHEETS	SHEET NO.
	43	37
CITY OF O'FALLON, ILLINOIS		
FEDERAL AID PROJECT		
CONTRACT NO. 97261		



Plot Date: 9/27/2005  
 Plot Time: 7:22:40 AM  
 Plotted By: edonohue  
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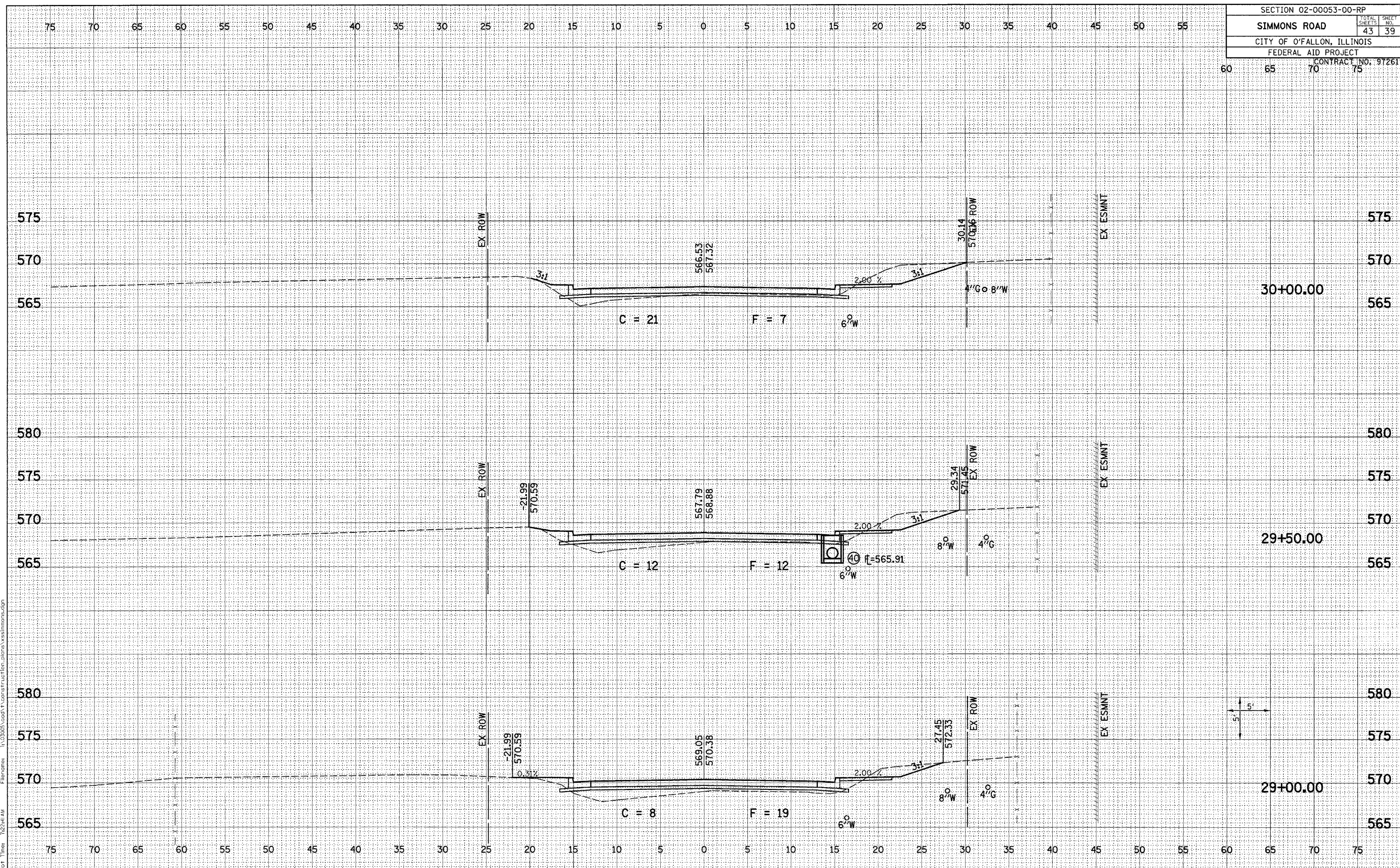


SECTION 02-00053-00-RP		
SIMMONS ROAD	TOTAL SHEETS	SHEET NO.
	43	38
CITY OF O'FALLON, ILLINOIS		
FEDERAL AID PROJECT		
CONTRACT NO. 97261		



Plot Date: 9/27/2005  
 Plot Time: 7:22:41 AM  
 Plotted By: edonohue  
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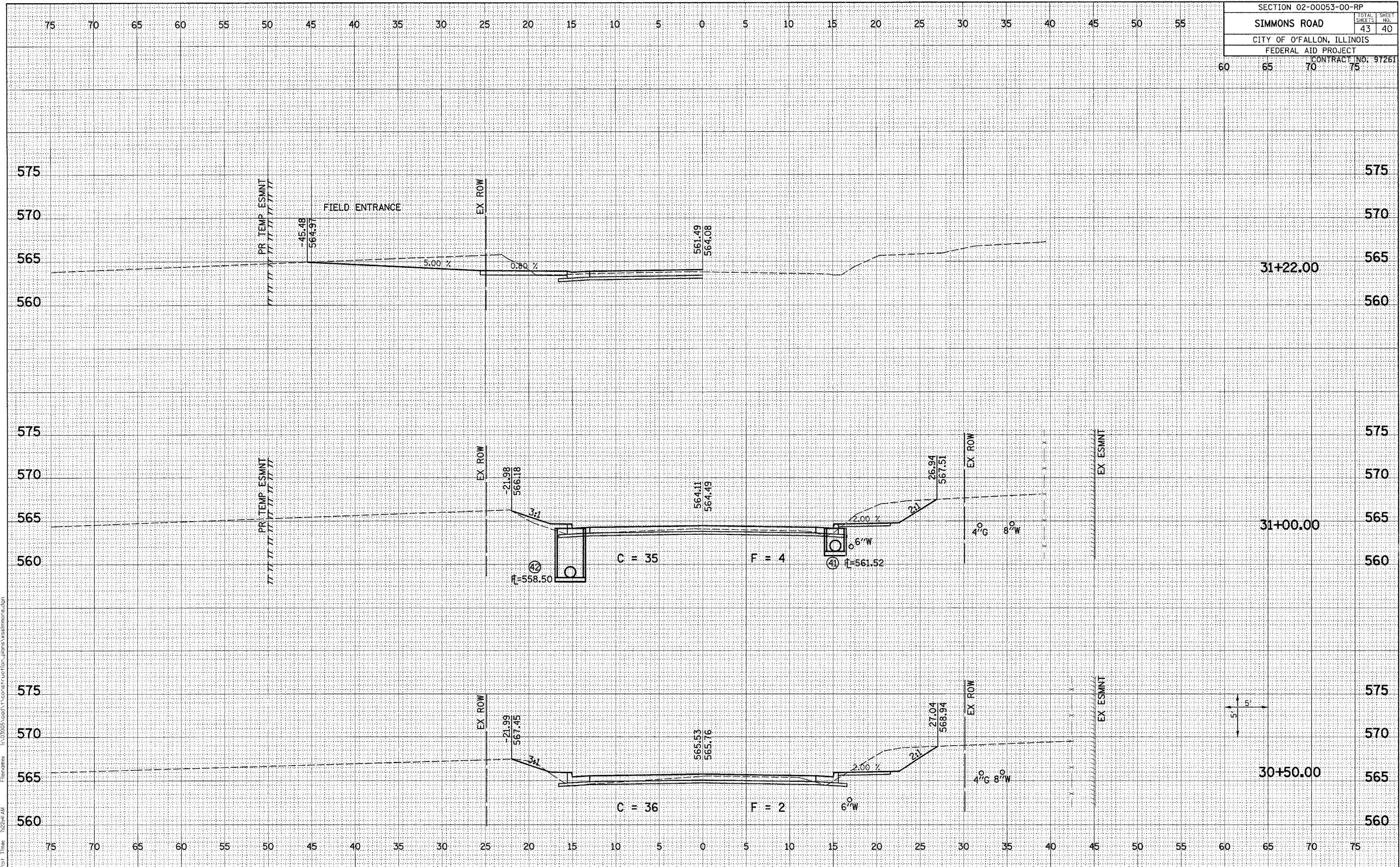
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SIMMONS ROAD		TOTAL SHEETS	SHEET NO.
		43	39
CITY OF O'FALLON, ILLINOIS			
FEDERAL AID PROJECT			
		CONTRACT NO.	97261
60	65	70	75



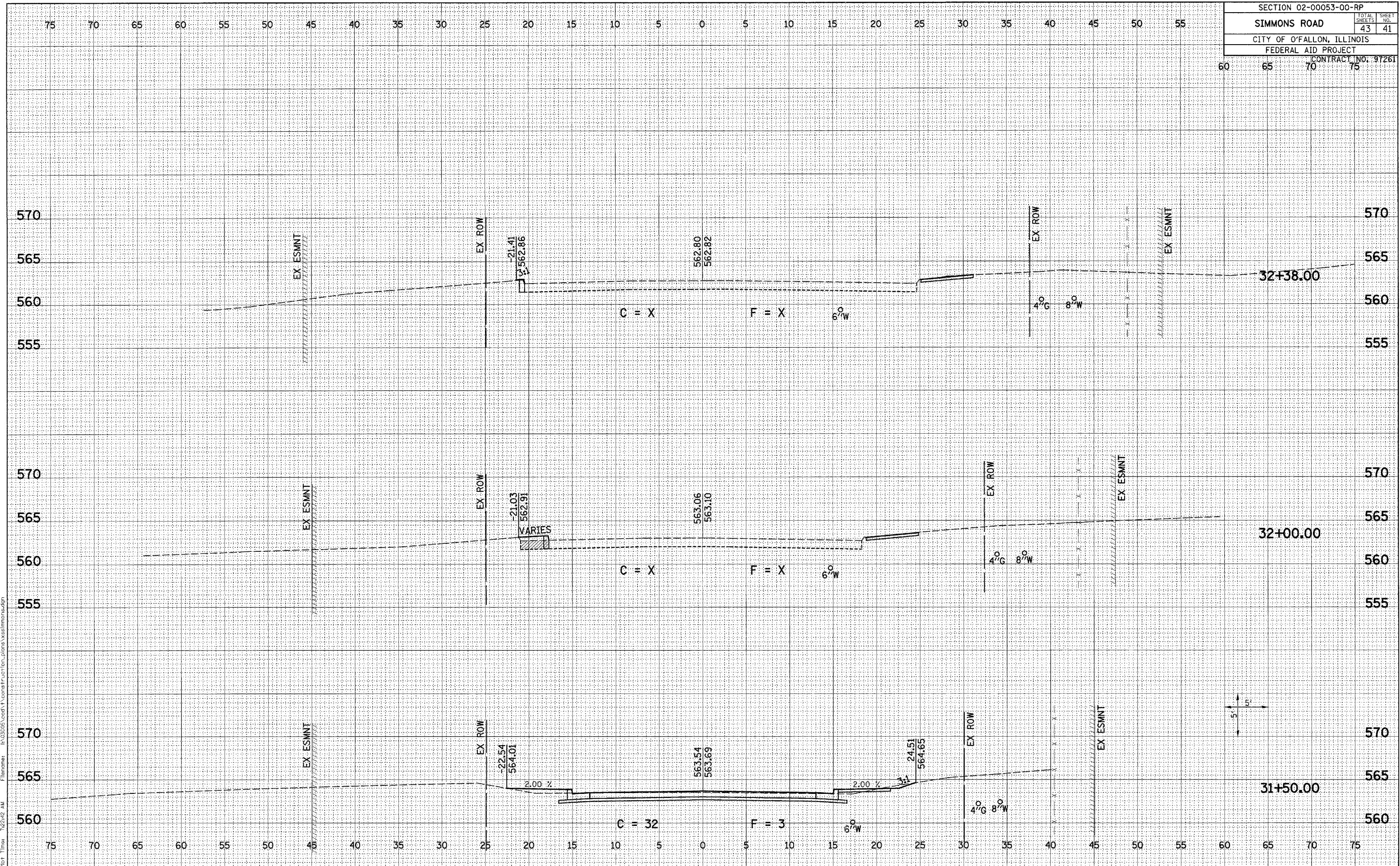
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 Filename: I:\3005\road\construction\plans\simmons.dgn



SECTION 02-00053-00-RP		
SIMMONS ROAD		TOTAL SHEETS: 43
CITY OF O'FALLON, ILLINOIS		SHEET NO.: 40
FEDERAL AID PROJECT		
CONTRACT NO. 97261		



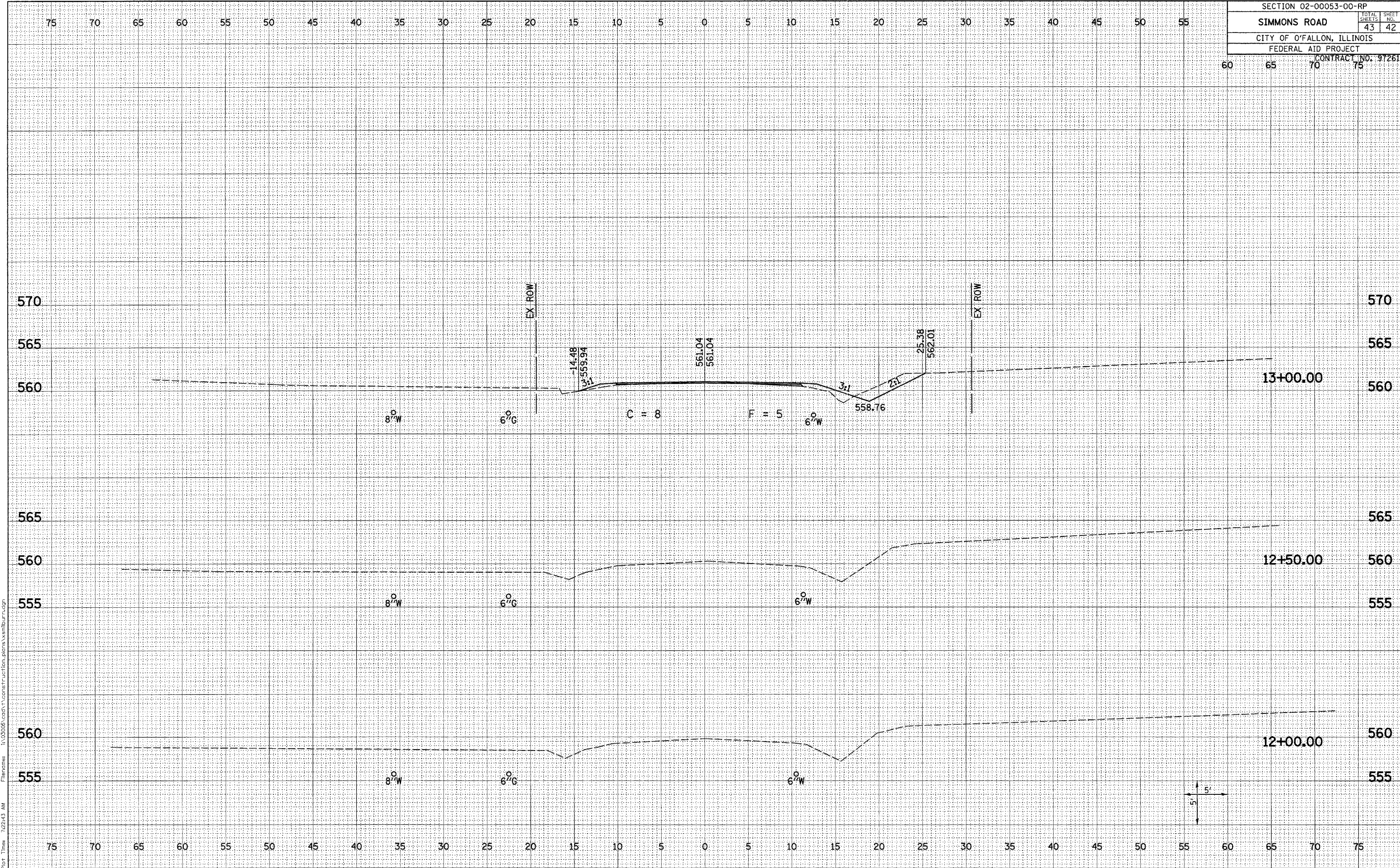
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 Plot Time: 12:28:11 PM  
 Plotted By: siddhant  
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Plot Date: 9/27/2005  
 Plot Time: 12:24:46 AM  
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 Filename: I:\0305\Coord\Construction\action\plans\ss\simmons\sdin



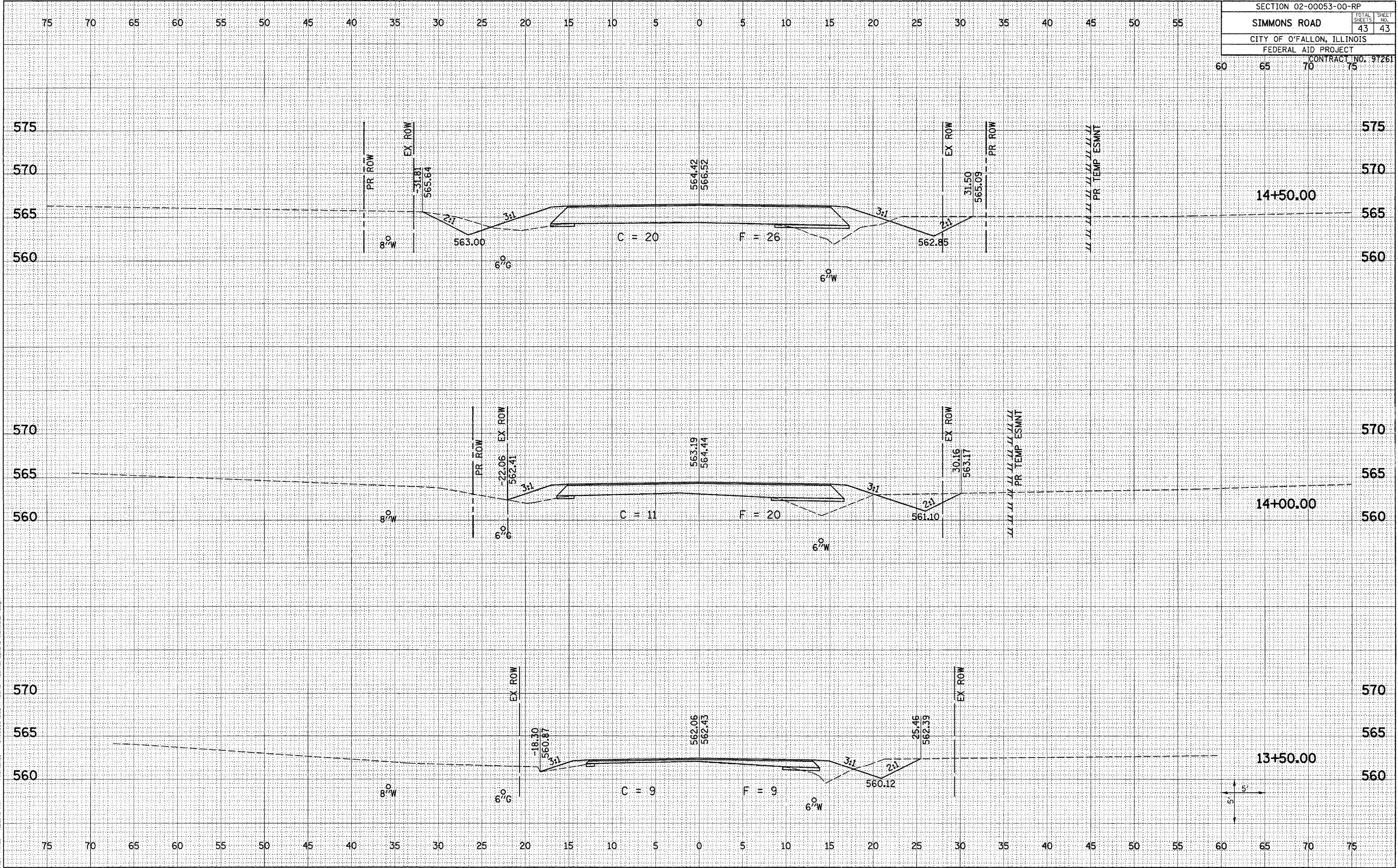
SECTION 02-00053-00-RP		
SIMMONS ROAD	TOTAL SHEETS	SHEET NO.
CITY OF O'FALLON, ILLINOIS	43	42
FEDERAL AID PROJECT		
CONTRACT NO. 97261		



Plot Date: 9/27/2005  
 Plot Time: 12:24:43 AM  
 Plotted By: edonohue  
 Filename: I:\0205\cort\construction\plans\smilburn.dgn



SECTION 02-00053-00-RP		
SIMMONS ROAD	TOTAL SHEETS	SHEET NO.
	43	43
CITY OF O'FALLON, ILLINOIS		
FEDERAL AID PROJECT		
CONTRACT NO. 97261		



Plot Date: 9/27/2005  
 Plot Times: 7:24:43 AM  
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