

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8980	05-00043-02-WR	MADISON	31	1
MADISON COUNTY ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 97297		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
**PLANS FOR PROPOSED**

**F.A.U. ROUTE 8980 (EDWARDSVILLE ROAD PHASE II)  
WOOD RIVER SECTION 05-00043-02-WR  
MADISON COUNTY  
PROJECT NO. M-5011 (196)  
JOB NO. C-98-308-06**

THIS PROJECT IS LOCATED IN SECTION 22, 26, AND 27  
TOWNSHIP 5 NORTH, RANGE 9 WEST OF THE  
3RD PRINCIPAL MERIDIAN, MADISON COUNTY, ILLINOIS

UTILITY LOCATION CAN BE OBTAINED BY CALLING J.U.L.I.E.  
(1-800-892-0123)

THE FOLLOWING UTILITY COMPANIES HAVE FACILITIES WITHIN  
THE LIMITS OF THIS PROJECT WHICH MAY OR MAY NOT  
REQUIRE ADJUSTMENT OR RELOCATION:

TELEPHONE:  
SBC  
203 GOETHE  
COLLINSVILLE, ILLINOIS 62234  
(618) 346-6400

WATER:  
WOOD RIVER PUBLIC WORKS DEPT.  
501 W. FERGUSON AVE.  
WOOD RIVER, ILLINOIS 62095  
(618) 251-3122

GAS & ELECTRIC:  
AMEREN I.P.  
2600 N. CENTER STREET  
MARYVILLE, ILLINOIS 62062  
(618) 346-1273

STORM SEWERS:  
WOOD RIVER PUBLIC WORKS DEPT.  
501 W. FERGUSON AVE.  
WOOD RIVER, ILLINOIS 62095  
(618) 251-3122

CABLE TELEVISION:  
CHARTER COMMUNICATIONS  
508 NIAGARA AVENUE  
EAST ALTON, ILLINOIS 62024  
(618) 251-2660

SANITARY SEWERS:  
WOOD RIVER PUBLIC WORKS DEPT.  
501 W. FERGUSON AVE.  
WOOD RIVER, ILLINOIS 62095  
(618) 251-3122

SCALES:

PLAN

1" = 20'



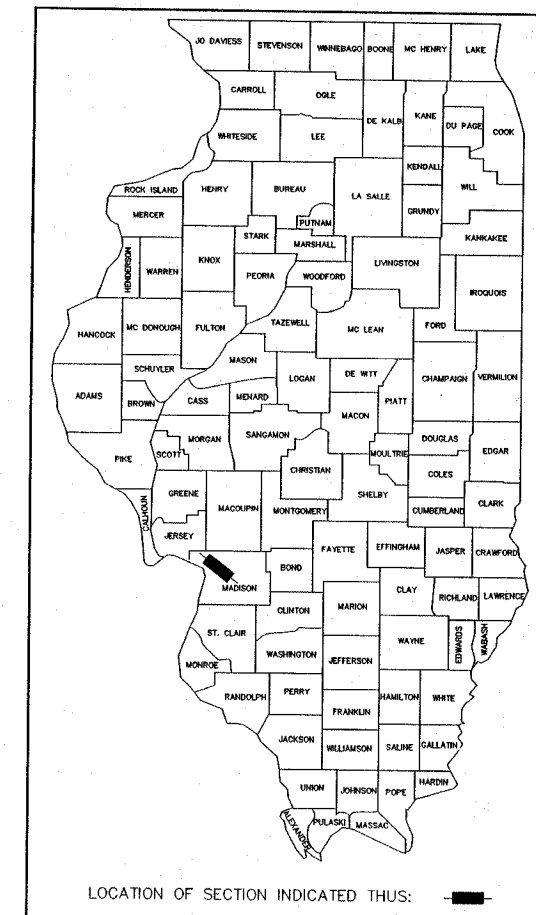
PROFILE VERTICAL

1" = 5'



PROFILE HORIZONTAL (PAVING PLANS)

1" = 20'



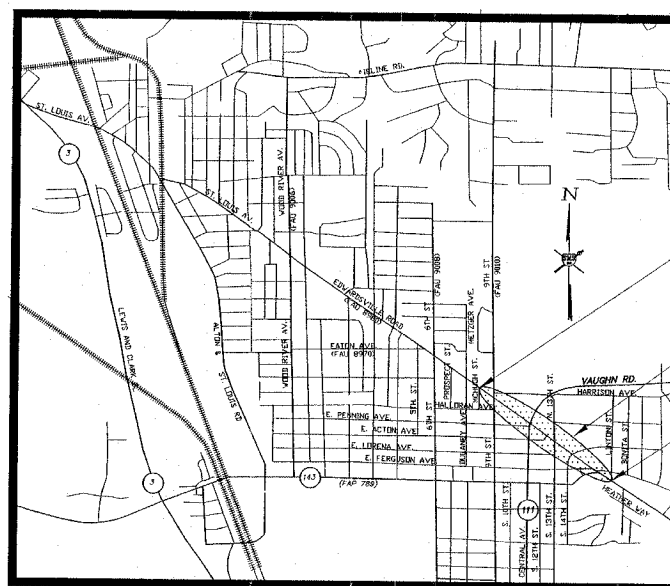
**INDEX TO SHEETS**

1. COVER SHEET
2. SUMMARY OF QUANTITIES AND GENERAL NOTES
3. DETAILS OF CONSTRUCTION
4. EXISTING TYPICAL SECTIONS
5. PROPOSED TYPICAL SECTIONS
- 6-9. TRAFFIC CONTROL
10. EROSION CONTROL
- 11-17. PLAN AND PROFILE (PAVING)
- 18-21. PLAN AND PROFILE (STORM SEWER)
22. SIGNAL PLAN
23. CABLE DIAGRAM
24. PAVEMENT MARKING PLAN
- 25-27. STORM SEWER PROFILES
- 28-31. CROSS SECTIONS

**HIGHWAY STANDARDS**

280001-03	701326-02
420001-06	701501-03
420106-03	701701-04
420701-01	702001-06
424001-04	720006-01
442101-06	720011
602301-01	729001
602306-01	780001-01
602406-02	781001-02
602601-01	814001-01
604006-02	814006-01
606001-03	857001
606301-03	878001-05
701006-02	880006
701201-02	886001
701306-01	886006

ROADWAY CLASSIFICATION= TS-3 (MINOR ARTERIAL)  
DESIGN SPEED= 35 MPH  
CURRENT (2006) ADT = 15,900  
% MU= 1.0%      %SU= 1.3%



**LOCATION MAP**

SCALE: 1" = 1000'

TOTAL LENGTH OF PROJECT = 2,611.61 FT. = 0.495 MILES

BEGIN SECTION  
05-00043-02-WR  
STA. 69+38.39

PROJECT LOCATION

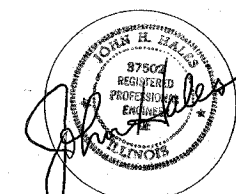
END SECTION  
05-00043-02-WR  
STA. 95+50



Sheppard, Morgan & Schwaab, Inc.  
CONSULTING ENGINEERS & LAND SURVEYORS

215 Market Street  
Alton, Illinois 62002  
618/482-9765

10 Central Industrial Dr  
Northgate Center  
Granite City, IL 62040  
618/877-8700



DATED: FEBRUARY, 2007  
EXPIRES: NOVEMBER 30, 2007

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED FEBRUARY 8, 2007

*Frank E. Lyle*

MAYOR, WOOD RIVER

PASSED 2-27-07

*Genner Obertano*

DISTRICT ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW 2-27-07

*Mary C. Lame*

DEPUTY DIRECTOR OF HIGHWAYS, REGION FIVE ENGINEER

**SUMMARY OF QUANTITIES**

Code No.	Description	Unit	Quantity
20200100	EARTH EXCAVATION	Cu. Yd.	807
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	Cu. Yd.	1,000
20800150	TRENCH BACKFILL	Cu. Yd.	150
21400100	GRADING AND SHAPING DITCHES	Foot	632
25000115	SEEDING CLASS 1B	Acres	1.1
25000400	NITROGEN FERTILIZER NUTRIENT	Pound	148
25000500	PHOSPHORUS FERTILIZER NUTRIENT	Pound	89
25000600	POTASSIUM FERTILIZER NUTRIENT	Pound	89
25000700	AGRICULTURAL GROUND LIMESTONE	Ton	2.2
25100115	MULCH, METHOD 2	Acres	1.1
28000300	TEMPORARY DITCH CHECKS	Each	5
28000400	PERIMETER EROSION BARRIER	Foot	714
28000500	INLET AND PIPE PROTECTION	Each	9
28000510	INLET FILTERS	Each	30
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	Sq. Yd.	5,103
35400300	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	Sq. Yd.	461
40200800	AGGREGATE SURFACE COURSE, TYPE B	Ton	19
40201000	AGGREGATE FOR TEMPORARY ACCESS	Ton	200
40800100	BITUMINOUS MATERIALS (PRIME COAT)	Gal.	650
40800300	AGGREGATE (PRIME COAT)	Ton	17
40803345	HOT MIX ASPHALT SURFACE COURSE, MIX "D", N90	Ton	798
40800500	INCIDENTAL HOT MIX ASPHALT SURFACING	Ton	73
42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	Sq. Yd.	3,888
42001200	PAVEMENT FABRIC	Sq. Yd.	4,350
42001300	PROTECTIVE COAT	Sq. Yd.	5,360
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	Sq. Yd.	45
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	Sq. Yd.	605
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	Sq. Ft.	10,848
42400800	DETECTABLE WARPS	Sq. Ft.	126
44000100	PAVEMENT REMOVAL	Sq. Yd.	4,184
44000155	HOT-MIX SURFACE REMOVAL 1 1/2"	Sq. Yd.	8,497
44000200	DRIVEWAY PAVEMENT REMOVAL	Sq. Yd.	932
44000500	COMBINATION CURB AND GUTTER REMOVAL	Foot	1,426
44000600	SIDEWALK REMOVAL	Sq. Ft.	531
44002000	CONCRETE CURB REMOVAL	Foot	238
44002020	CONCRETE MEDIAN SURFACE REMOVAL	Sq. Yd.	283
44003800	MEDIAN SURFACE REMOVAL AND REPLACEMENT	Sq. Ft.	460
44201076	CLASS B PATCHES, TYPE I	Sq. Yd.	62
44201078	CLASS B PATCHES, TYPE II	Sq. Yd.	70
44201080	CLASS B PATCHES, TYPE III	Sq. Yd.	104
44201082	CLASS B PATCHES, TYPE IV	Sq. Yd.	174
44213100	PAVEMENT FABRIC	Sq. Yd.	723
44213200	SAW CUTS	Foot	4,450
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	Each	2
50105200	REMOVE EXISTING CULVERTS	Foot	600
55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 12"	Foot	16
55019700	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 18"	Foot	40
55100500	STORM SEWER REMOVAL 12"	Foot	9
55100900	STORM SEWER REMOVAL 18"	Foot	5
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	Each	9
60239100	INLETS, TYPE A SPECIAL, TYPE 3 FRAME AND GRATE	Each	7
60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	Each	9
60255500	MANHOLES TO BE ADJUSTED	Each	8
60500060	REMOVING INLETS	Each	325
60600905	CONCRETE CURB, TYPE B	Foot	120
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	Foot	3,030
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	Sq. Ft.	11
60623711	CONCRETE MEDIAN	Cu. Yd.	12
60630020	NON-SPECIAL WASTE DISPOSAL	L. Sum	1
60630450	SPECIAL WASTE PLANS AND REPORTS	Cal. Mc.	12
67000400	ENGINEERS FIELD OFFICE, TYPE A	L. Sum	1
67100100	MOBILIZATION	L. Sum	1
70101700	TRAFFIC CONTROL AND PROTECTION	Cal. Da	60
70103815	TRAFFIC CONTROL SURVEILLANCE	Foot	785
70300100	SHORT TERM PAVEMENT MARKING	Sq. Ft.	88
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	Sq. Ft.	12
72000100	SIGN PANEL, TYPE I	Each	2
72000210	METAL POST, TYPE B	Sq. Ft.	281
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	Foot	4,038
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	Foot	597
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	Foot	653
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	Foot	508
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	Foot	676
78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS & SYMBOLS	Sq. Ft.	153
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	Foot	3,380
78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	Foot	266
78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	Foot	170
78100130	RAISED REFLECTIVE PAVEMENT MARKER	Each	117
78300100	PAVEMENT MARKING REMOVAL	Sq. Ft.	526
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	Each	55
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	Foot	28
81400115	HANDHOLE TO BE ADJUSTED	Each	1
81800200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	Foot	26
87301215	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 2C	Foot	876
87301225	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 3C	Foot	935
87502540	TRAFFIC SIGNAL POST, ALUMINUM 10"	Each	4
87800100	CONCRETE FOUNDATION, TYPE A	Foot	12
87900200	DRILL EXISTING HANDHOLE	Each	4
88102810	PEDESTRAIN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	Each	2
88102830	PEDESTRAIN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED	Each	2
88600100	DETECTOR LOOP, TYPE 1	Foot	1,724
88602200	MODIFY EXISTING CONTROLLER	Each	1
20017202	OWEL BARS 1-1/2"	Each	446
20075310	RE BARS 3/4"	Each	10
X0000501	SUBGRADE STRENGTHENING AGGREGATE	Ton	2,000
X0000541	EXPLORATORY EXCAVATION	Cu. Yd.	100
X0104100	CONNECTION TO EXISTING MANHOLE	Each	6
X4403300	CONCRETE MEDIAN REMOVAL	Sq. Ft.	41
X7900450	POLYUREA PAVEMENT MARKING TYPE I - CURB	Foot	476
X8980010	ADA PEDESTRAIN PUSH-BUTTON	Each	6
X006767	INLETS, TYPE B, TYPE 3 (SPECIAL) FRAME AND GRATE	Each	4
X006767	INLETS, SET-OVER, TYPE B, TYPE 3 (SPECIAL) FRAME AND GRATE	Each	2
X006768	MANHOLE TO BE ADJUSTED WITH NEW TYPE 3 (SPECIAL) FRAME AND GRATE	Each	6
X006769	MANHOLE, 6" DIAMETER, SET-OVER, TYPE 3, (SPECIAL) FRAME AND GRATE	Each	4
X006770	CLASS B PATCHES (SPECIAL)	Sq. Yd.	14
X006771	CONCRETE MEDIAN SURFACE REMOVAL AND REPLACEMENT	Sq. Ft.	77

\* DENOTES SPECIALTY ITEMS

**GENERAL NOTES**

- THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007 AND THE SPECIAL PROVISIONS OF THE PROJECT CONTRACT.
- INFORMATION ON THE PLANS REGARDING UTILITIES IS TAKEN FROM THE BEST AVAILABLE RECORDS, BUT IS NOT REPRESENTED AS BEING CORRECT OR COMPLETE. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. IN ADVANCE OF CROSSING OVER OR UNDER UTILITIES.
- WHERE POSSIBLE STORM SEWER/UTILITY CONFLICTS EXIST, THE CONTRACTOR SHALL HAVE THE UTILITY COMPANY EXPOSE THEIR LINE TO DETERMINE EXACT LOCATIONS. THIS WORK SHALL BE DONE PRIOR TO THE FABRICATION OF STRUCTURES IN THE EVENT CHANGES IN THE DESIGN ARE NEEDED.
- THE CONTRACTOR SHALL USE ALL DUE PRECAUTION NOT TO DAMAGE OR DISTURB UTILITIES. THE ENTIRE COST OF MAKING REPAIRS TO, OR REPLACEMENT OF, ANY DAMAGED LINE WILL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR.
- ALL ELEVATIONS REFER TO MEAN SEA LEVEL.
- THE LIMITS OF ALL REMOVAL ITEMS SHALL BE SAWCUT FULL-DEPTH. ALL SAW CUTTING SHALL BE INCLUDED IN THE COST OF THE IMPROVEMENT (EXCEPT SAW CUTTING OF PAVEMENT PATCHES) AND NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
- THE CONTRACTOR, AT HIS EXPENSE, SHALL DISPOSE OF ALL EXCESS MATERIALS FROM EXCAVATION AND REMOVAL ITEMS IN ACCORDANCE WITH SECTION 202.03 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL CONSTRUCT TEMPORARY EROSION CONTROL SYSTEMS AS DIRECTED BY THE ENGINEER TO CONTROL EROSION AND SEDIMENT DAMAGE TO THE ROADWAY, ADJACENT PROPERTIES, AND WATER RESOURCES. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARD 280001.
- HOT-MIX ASPHALT SURFACE COURSE QUANTITIES HAVE BEEN CALCULATED USING A RATE OF 125 LB./S.Y.-IN.
- BENCH MARKS:
  - BENCH MARK 1: RAILROAD SPIKE IN A POWER POLE AT THE EAST ENTRANCE OF LONG JOHN SILVER'S RESTAURANT. STA. 82+86.89, 25.79' RT.
  - BENCH MARK 2: NORTHWEST CORNER OF THE CONCRETE BASE FOR DAIRY QUEEN RESTAURANT SIGN. STA. 86+27.80, 30.84' RT.
  - BENCH MARK 3: RAILROAD SPIKE IN LIGHT POLE 50± WEST OF E. ROCKHILL RD. AT EDWARDSVILLE RD. STA. 90+57.50, 29.51' LT.

CONTRACT NO. 97297

**EARTHWORK SCHEDULE**

LOCATION	EARTH EXCAVATION (CUBIC YARDS)	EARTH EXCAVATION ADJUSTED FOR 25% SHRINKAGE (CUBIC YARDS)	EMBANKMENT (CUBIC YARDS)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CUBIC YARDS)
STA. 69+38.39 TO STA. 82+34.02	15	11	0	11
STA. 82+34.02 TO STA. 95+50	792	594	458	136
STA. 77+23 RT. (EDWARDSVILLE RD.)	12*	0	0	0
STA. 98+18 LT. IL. RTE. 111	* NON-SPECIAL WASTE DISPOSAL	(REMOVED FROM SITE)		
TOTAL	807	605	458	147

**PAVEMENT DESIGN DATA (EDWARDSVILLE ROAD - F.A.U. 8980)**

DESIGN SPEED = 35 M.P.H.  
 CLASS II STREET  
 2007 AVERAGE DAILY TRAFFIC (A.D.T.) = 16,100  
 2027 AVERAGE DAILY TRAFFIC (A.D.T.) = 19,600  
 2017 STRUCTURAL DESIGN TRAFFIC (S.D.T.) = 17,800  
 PASSENGER VEHICLES (P.V.) = 17,390 (97.7%)  
 SINGLE UNITS (S.U.) = 232 (1.30%)  
 MULTIPLE UNITS (M.U.) = 178 (1.00%)  
 RIGID PAVEMENT DESIGN FOR LOCAL AGENCIES (BLRS CH. 37)  
 DESIGN TRAFFIC FACTOR = 1.06  
 SUBGRADE SUPPORT RATING (SSR) ASSUMED POOR  
 PROPOSED PAVEMENT MATERIALS:  
 P.C.C. PAVEMENT, 8" (JOINTED) (15' NOMINAL TRANSVERSE JOINT SPACING)  
 PAVEMENT FABRIC, TYPE A  
 SUB-BASE GRANULAR MATERIAL, TYPE A, 4"

**PAVEMENT MARKING SCHEDULE**

ITEM	QUANTITY	UNIT
THERMOPLASTIC PAVEMENT MARKING-LINE 4" (YELLOW)	3,441	FOOT
THERMOPLASTIC PAVEMENT MARKING-LINE 4" (WHITE)	597	FOOT
TOTAL THERMOPLASTIC 4"	4,038	FOOT
THERMOPLASTIC PAVEMENT MARKING-LINE 6" (WHITE)	653	FOOT
THERMOPLASTIC PAVEMENT MARKING-LINE 8" (WHITE)	508	FOOT
THERMOPLASTIC PAVEMENT MARKING-LINE 12" (YELLOW)	303	FOOT
THERMOPLASTIC PAVEMENT MARKING-LINE 12" (WHITE)	373	EACH
TOTAL THERMOPLASTIC 12"	676	FOOT
THERMOPLASTIC PAVEMENT MARKING-LETTERS AND SYMBOLS	281.1	SQ. FT.
PAVEMENT MARKING REMOVAL	526	SQ. FT.
POLYUREA TYPE I - CURB (YELLOW)	208	FOOT
POLYUREA TYPE I - CURB (WHITE)	268	FOOT
TOTAL POLYUREA CURB PAINT	476	FOOT
POLYUREA TYPE I - 4" LINE (WHITE)	200	FOOT
POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)	3,180	FOOT
TOTAL POLYUREA 4"	3,380	FOOT
POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)	82	FOOT
POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (WHITE)	88	FOOT
TOTAL POLYUREA 12"	170	FOOT
POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	152.6	SQ. FT.
RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	55	EACH
RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL)	23	EACH
RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER)	36	EACH
RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER)	58	EACH
TOTAL RAISED REFLECTIVE PAVEMENT MARKERS	117	EACH

**BITUMINOUS MIX REQUIREMENTS - HOT-MIX ASPHALT**

ROUTE	FAU 8980
SECTION	05-00043-02-WR
COUNTY	MADISON
CONTRACT	

DESCRIPTION: EDWARDSVILLE ROAD STA. 69+38.39 TO STA. 82+34.02

ADT (CONSTRUCTION YEAR)	16,100
MU %	1.0
SU %	1.3

MIXTURE USE	SURFACE COURSE	INCIDENTAL HOT-MIX SURF.
AC/PC	PG 64-22	PG 64-22
RAP % MAX	10%	10%
DESIGN AIR VOIDS	4% @ Ndes = 90	4% @ Ndes = 90
MIX COMPOSITION (GRADATION MIXTURE)		
FRICITION AGG	MIXTURE D	MIXTURE D

REVISIONS

**SMS ENGINEERS**  
 Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Market Street, P.O. Box E, Alton, IL 62002-6180/62-9725-E-mail: mail@smsengineers.com  
 10 Central Industrial Drive, Granite City, IL 62040-6180/77-8700-E-mail: mail@smsengineers.com

EDWARDSVILLE ROAD PHASE II (FAU 8980)  
 SECTION 05-00043-02-WR  
 WOOD RIVER, ILLINOIS  
 SUMMARY OF QUANTITIES AND GENERAL NOTES

DWG. NO.  
 Edwardsville-sum-qty-tp.dwg  
 REF. BR. PG.  
 JOB NO. 286614  
 DSN. BY: CIA  
 DWN. BY: CDP-jmk  
 CHK. BY: JHH  
 DATE: JANUARY, 2007

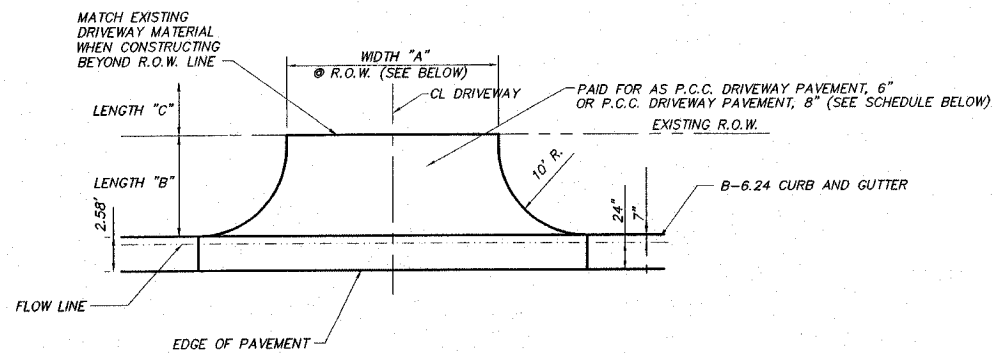
SCALE: NONE  
 SHEET 2 OF 31

REVISIONS

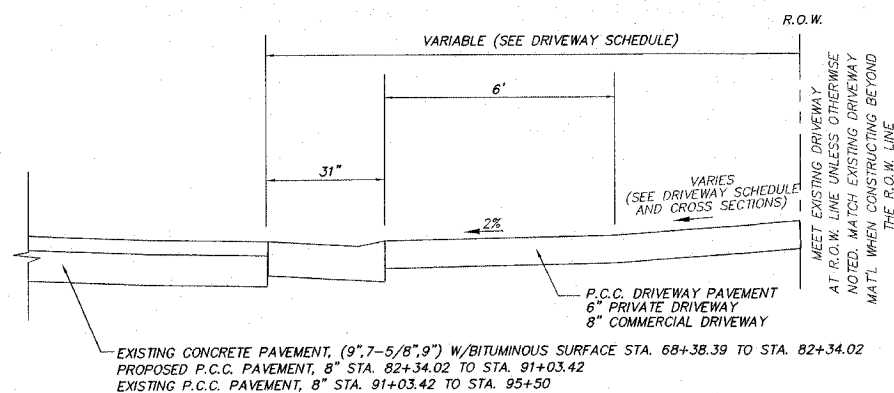
**SMS ENGINEERS**  
 Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Maple Street, P.O. Box E, Moline, IL 62450-0715 Email: smsemail@smsengineers.com  
 10 Central Industrial Drive, Granite City, IL 62040 618-977-8700 Email: mail@smsengineers.com

**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WF**  
**WOOD RIVER, ILLINOIS**  
**DETAILS OF CONSTRUCTION**

DWG. NO. B-constdet2.dwg  
 REF. BK. PG. JOB NO. 286614  
 DSN. BY: CLA  
 DWN. BY: CDP-ink  
 CHK. BY: JHH  
 DATE: JANUARY, 2007  
 SCALE: NO SCALE  
 SHEET 3 OF 31



**DETAIL-PRIVATE AND COMMERCIAL DRIVEWAY ENTRANCE**  
 NO SCALE



**TYPICAL SECTION-PROPOSED PRIVATE/COMMERCIAL DRIVEWAY ENTRANCE**  
 NO SCALE

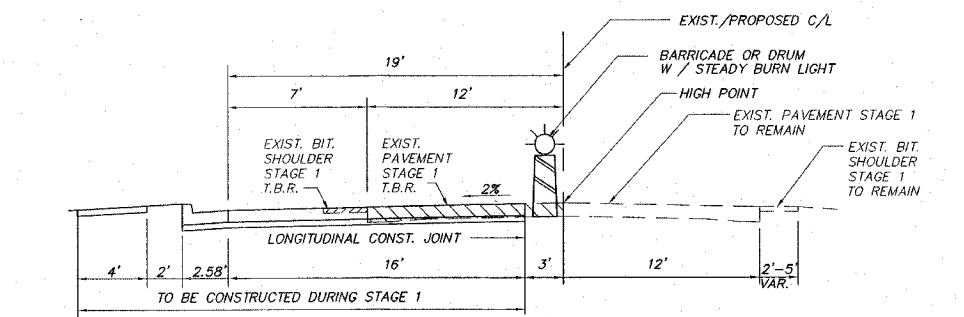
**DRIVEWAY SCHEDULE**

STATION	RADIUS	WIDTH "A" (FT)	LENGTH "B" (FT)	LENGTH "C" (FT)	EXISTING MATERIAL	DRIVEWAY PAVEMENT REMOVAL (SQ. YDS.)	PCC DRIVEWAY PAVEMENT, 6" (SQ. YDS.)	PCC DRIVEWAY PAVEMENT, 8" (SQ. YDS.)	INCIDENTAL HOT-MIX SURFACING, 8" (TONS)	AGGREGATE SURFACE COURSE, TYPE B (TONS)	TYPE OF ENTRANCE	EXISTING GRADE (%)	PROPOSED GRADE (%)	REMARKS
81+27.67 RT.	10'	35	14.5	0	BITUMINOUS	87.7	0	72.0	0	0	COMMERCIAL	2.0	2.0	NONE
81+90.95 RT.	10'	28	15.0	0	BITUMINOUS	72.9	0	59.5	0	0	COMMERCIAL	2.0	2.0	NONE
82+94.46 LT.	10'	25	17.5	0 - 3.5	CONCRETE	83.5	0	51.0	0	0	COMMERCIAL	5.9	0.3	T.C.E. REQD
83+14.10 RT.	10'	34	10.0	8.0	BITUMINOUS	117.6	0	45.0	15	0	COMMERCIAL	0.5	2.0	T.C.E. REQD
83+81.27 LT.	10'	30	8.5	10.0	CONC/ASPH	120.0	0	78.0	0	0	COMMERCIAL	0	5.0	T.C.E. REQD
84+48.64 RT.	10'	20	10.0	8.5	GRAVEL	0	0	29.0	0	8	COMMERCIAL	1.0	2.5	T.C.E. REQD
84+67.60 LT.	10'	34	8.5	10.0	BITUMINOUS	152.4	0	29.0	0	0	COMMERCIAL	1.0	3.0	NONE
85+35.17 RT.	10'	20	10.0	0	GRAVEL	0	0	29.0	0	0	COMMERCIAL	0	0.5	NONE
85+98.22 RT.	10'	20	10.0	0	BITUMINOUS	47.8	0	39.0	0	10	COMMERCIAL	0	0.5	T.C.E. REQD
86+43.20 RT.	10'	30	9.5	5.5	NONE	0	0	44.0	17	0	COMMERCIAL	0	1.5	T.C.E. REQD
88+90.94 LT.	10'	32	8.5	10.0	BITUMINOUS	123.5	0	44.0	0	0	PRIVATE	2.5	2.0	T.C.E. REQD
89+77.15 RT.	10'	12	9.5	5.5	GRAVEL	0	20.0	0	0	0	PRIVATE	6.7	6.7	NONE
90+15.29 RT.	10'	17	9.5	0	GRAVEL	0	25.0	0	0	0	COMMERCIAL	2.9	3.6	NONE
92+60.88 RT.	10'	35	9.0	0	BITUMINOUS	60.4	0	44.0	7	0	COMMERCIAL	3.1	7.8	T.C.E. REQD
93+33.37 RT.	10'	30	4.5 - 6.5	1.5 - 6.0	BITUMINOUS	62.7	0	37.0	7	0	COMMERCIAL			
						928.3	45.0	604.5	72	19				

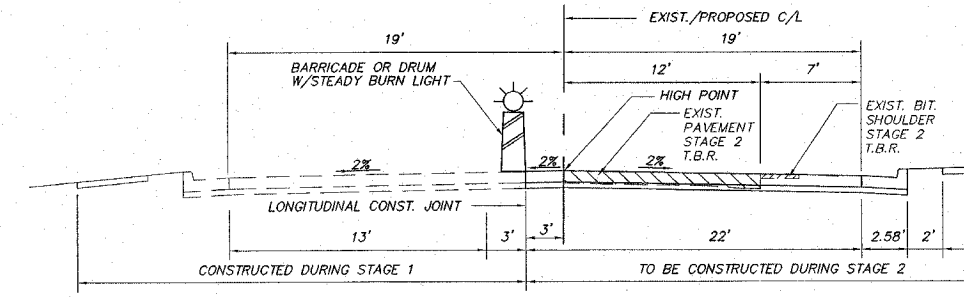
T.C.E. = TEMPORARY CONSTRUCTION EASEMENT

**LEGEND**

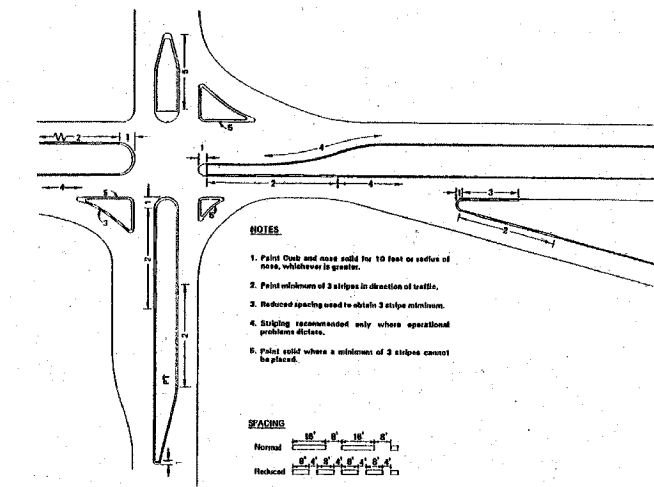
- EXISTING GUY POLE -- ○
- EXISTING LIGHT POLE -- ✕
- EXISTING POWER POLE -- ⊕
- EXISTING TELEPHONE POLE -- ⊖
- EXISTING GUY WIRE -- ⊖
- EXISTING TELEPHONE SPLICE BOX -- △
- EXISTING WATER VALVE -- ⊕
- EXISTING GAS VALVE -- ⊕
- EXISTING FIRE HYDRANT -- ⊕FH
- EXISTING SANITARY MANHOLE TOP -- ⊕
- EXISTING STORM MANHOLE TOP -- ⊕
- CONTROL POINT -- △
- BENCHMARK -- B.M.
- RIGHT-OF-WAY MARKER -- ⊕MON
- PK NAIL FOUND -- ⊕PK
- STONE FOUND -- ⊕STONE
- BRASS MONUMENT FOUND -- ⊕MON
- IRON PIPE FOUND -- ⊕IP
- MONUMENT FOUND -- ⊕MON
- EXISTING TRAFFIC SIGN -- ⊕
- EXISTING TRAFFIC SIGNAL -- ⊕
- EXISTING TRAFFIC SIGNAL CONTROLLER -- ⊕
- EXISTING HANDHOLE -- ⊕
- EXISTING DOUBLE HANDHOLE -- ⊕
- EXISTING MAST ARM BASE -- ⊕
- PROPOSED STORM MANHOLE TOP -- ⊕
- PROPOSED TRAFFIC SIGN -- ⊕
- PROPOSED PEDESTRIAN PUSH BUTTON -- ⊕
- PROPOSED HANDHOLE -- ⊕
- PROPOSED EDGE OF PAVEMENT ELEVATION -- + 512.00 EP
- PROPOSED TOP CURB ELEVATION -- + T.C.=550.25
- PROPOSED FLOWLINE ELEVATION -- + F.L.=501.58



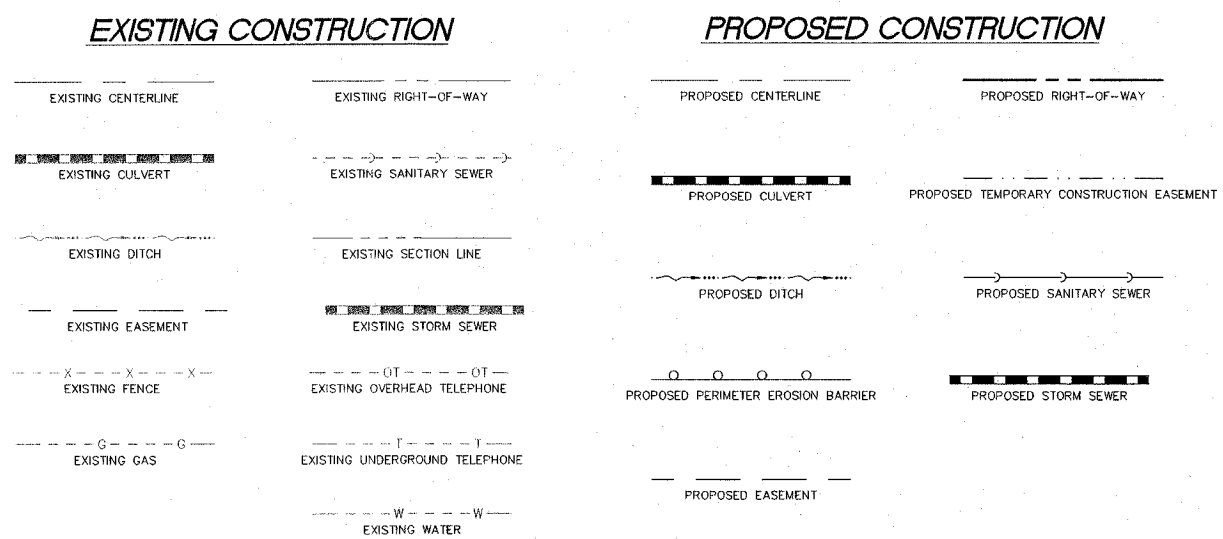
**STAGE 1 CONSTRUCTION DETAIL STA. 82+34.02 TO STA. 91+03.42**  
 NO SCALE



**STAGE 2 CONSTRUCTION DETAIL STA. 82+34.02 TO STA. 91+03.42**  
 NO SCALE



**CURB MARKING DETAIL**



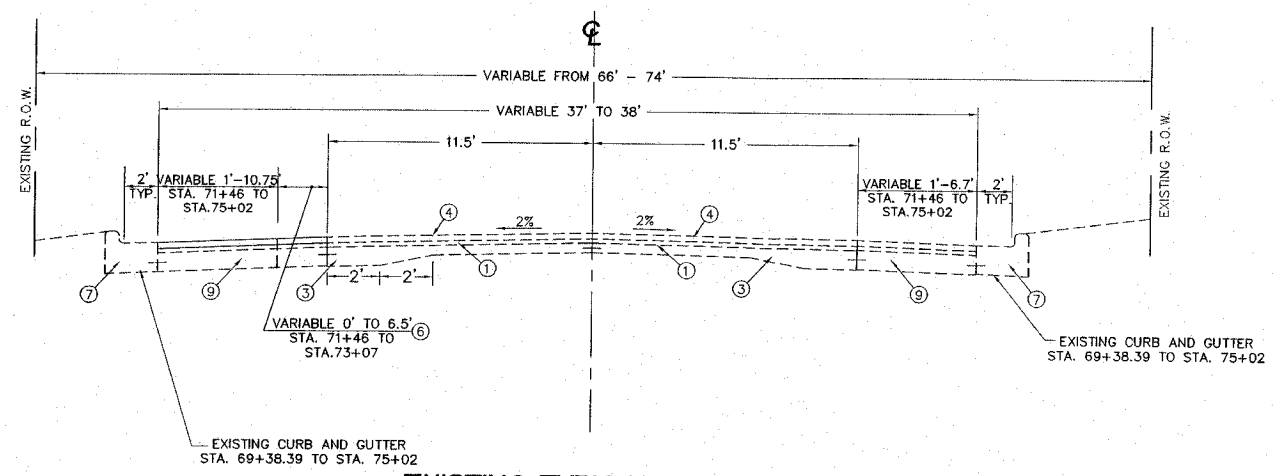
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REVISIONS

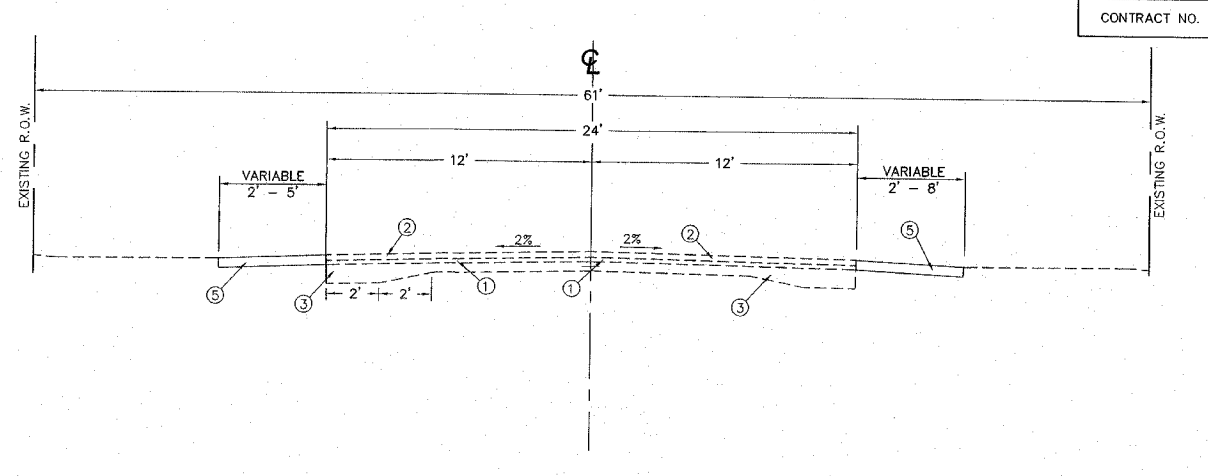
**SMS ENGINEERS**  
 Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Market Street, P.O. Box E, Albany, IL 62002 • 618-462-0755 • Email: ms@smsengineers.com  
 10 Central Industrial Drive, Granite City, IL 62040 • 618-877-4700 • E-mail: ms@smsengineers.com

**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**EXISTING TYPICAL SECTIONS**

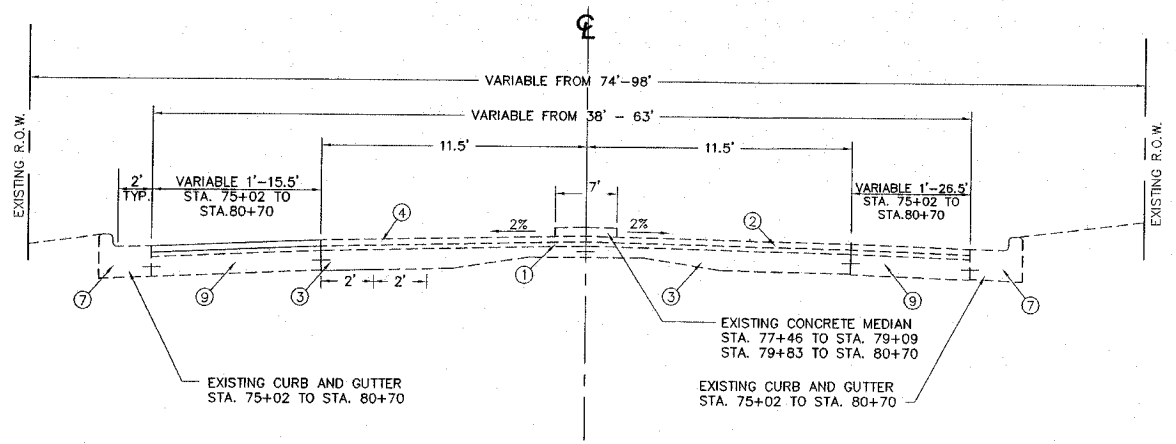
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 REF. BK. PG.  
 JOB NO. 286614  
 DSN. BY: CLA  
 DWN. BY: CDP-jmk  
 CHK. BY: JHH  
 DATE: JANUARY, 2007  
 SCALE: N.T.S.  
 SHEET 4 OF 31



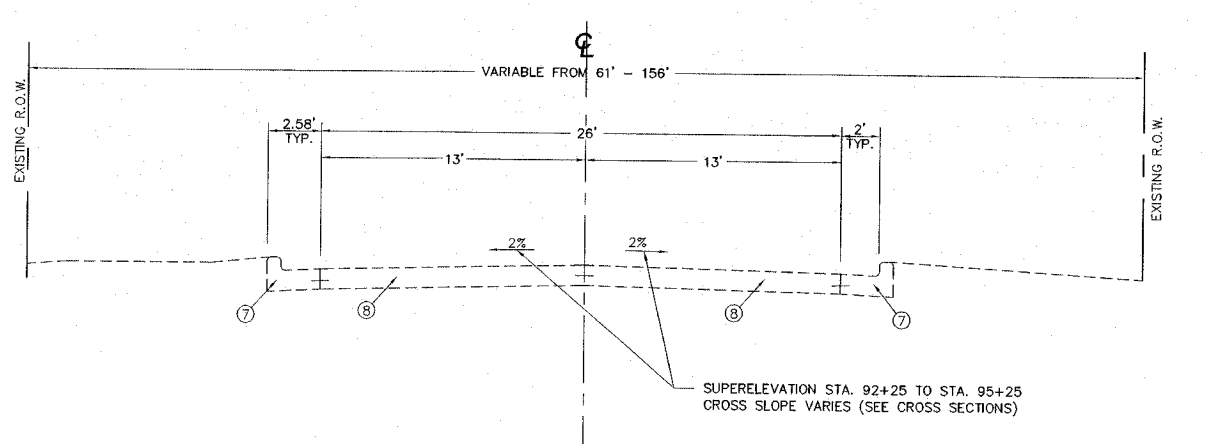
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 STA. 69+38.39 - 75+02  
 N.T.S.



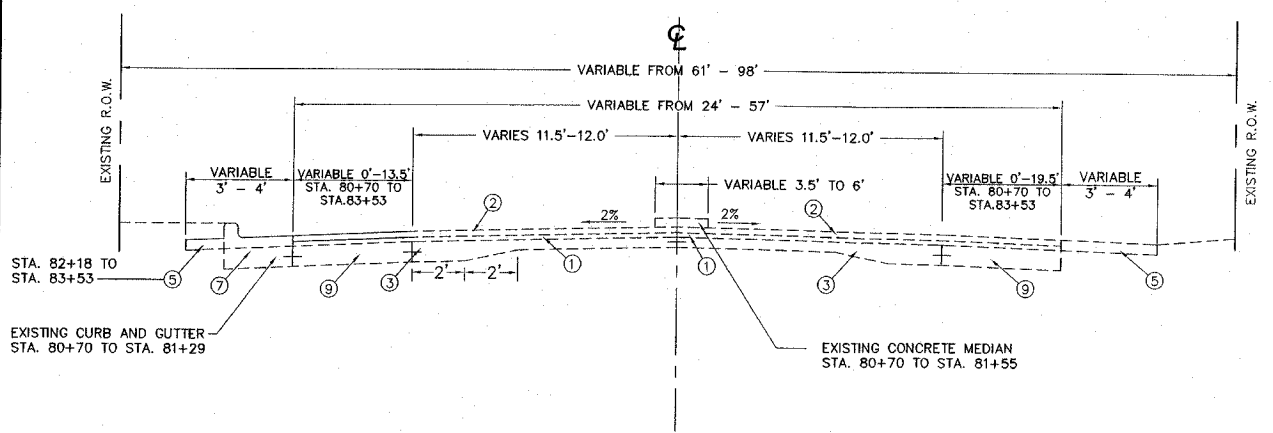
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 STA. 83+53 - 91+03.42  
 N.T.S.



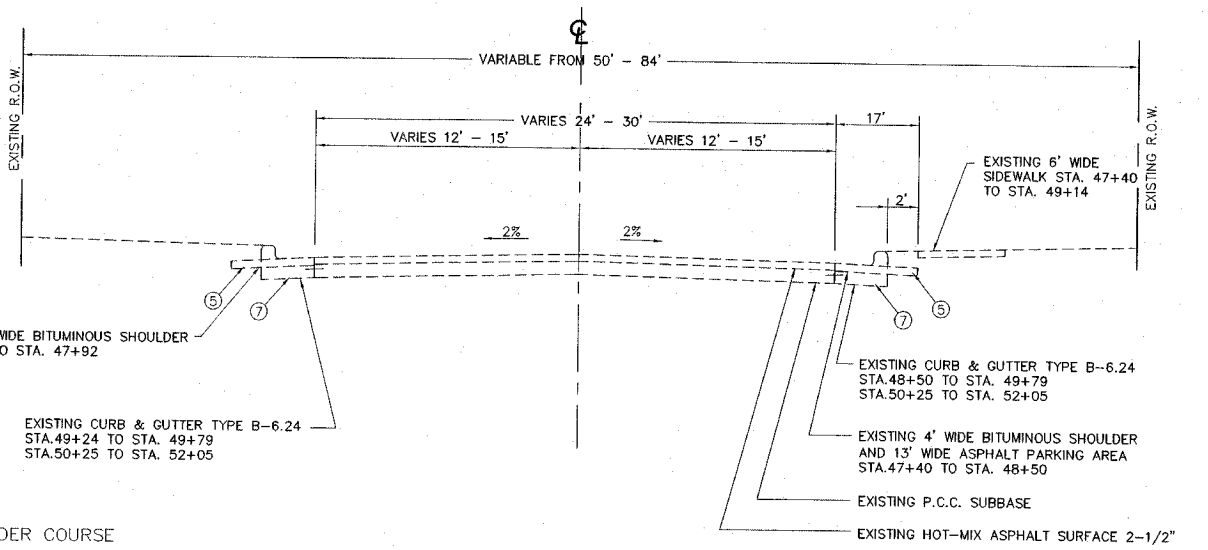
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 STA. 75+02 - 80+70  
 N.T.S.



**EXISTING TYPICAL SECTION**  
 STA. 91+03.42 - 95+50  
 N.T.S.



**EXISTING TYPICAL SECTION**  
 STA. 80+70 - 83+53  
 N.T.S.



**EXISTING TYPICAL SECTION NINTH STREET**  
 STA. 47+40 - 52+05  
 N.T.S.

**LEGEND**

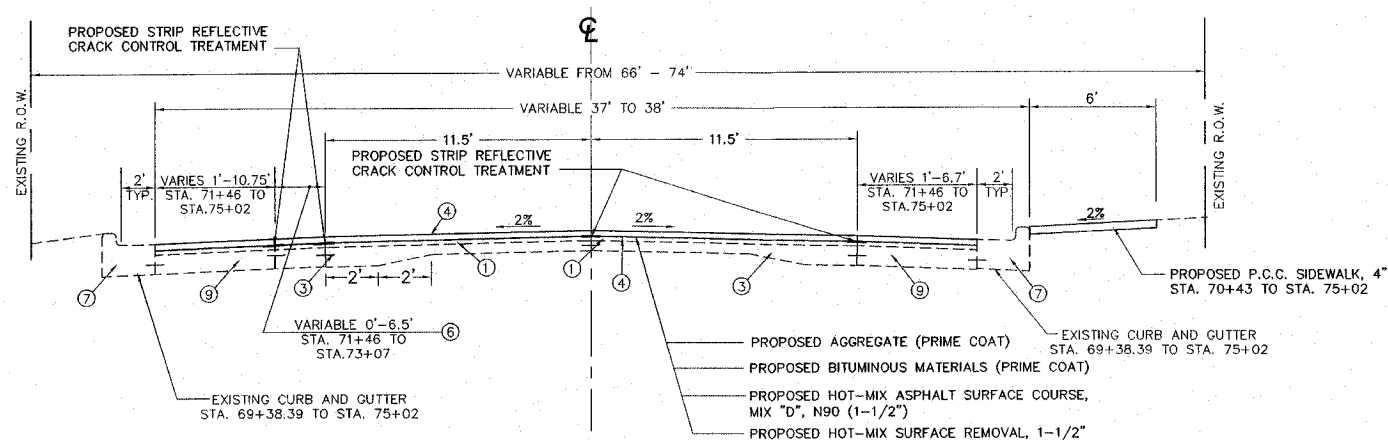
- ① EXISTING 1 1/2" BITUMINOUS CONCRETE BINDER COURSE
- ② EXISTING 5/8" OPEN GRADED PLANT MIX SURFACE COURSE
- ③ EXISTING PCC PAVEMENT (9"-7 5/8"-9")
- ④ EXISTING BITUMINOUS SURFACE COURSE 1 1/2"
- ⑤ EXISTING BITUMINOUS SHOULDER
- ⑥ EXISTING BITUMINOUS WIDENING 7 1/2"
- ⑦ EXISTING B-6.24 CONCRETE CURB AND GUTTER
- ⑧ EXISTING P.C.C. PAVEMENT, 8"
- ⑨ EXISTING P.C.C. BASE COURSE WIDENING, 9"

REVISIONS

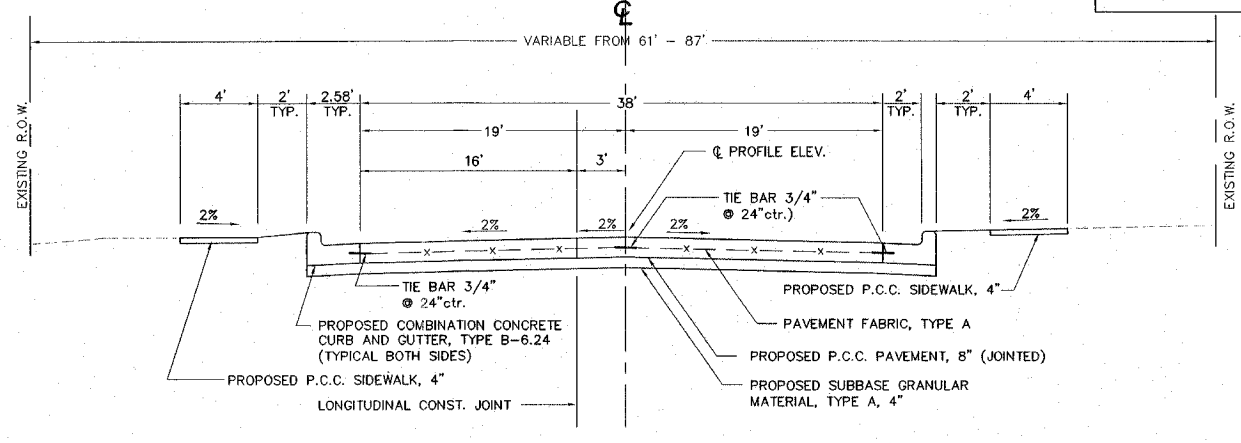
**SMS ENGINEERS**  
 Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Market Street, P.O. Box E, Alton, IL 62002-6184/62-9755-E-mail: mail@smsengineers.com  
 10 Central Industrial Drive, Granite City, IL 62040-6188/67-3700-E-mail: mail@smsengineers.com

**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
 SECTION 05-00043-02-WR  
 WOOD RIVER, ILLINOIS  
 PROPOSED TYPICAL SECTIONS

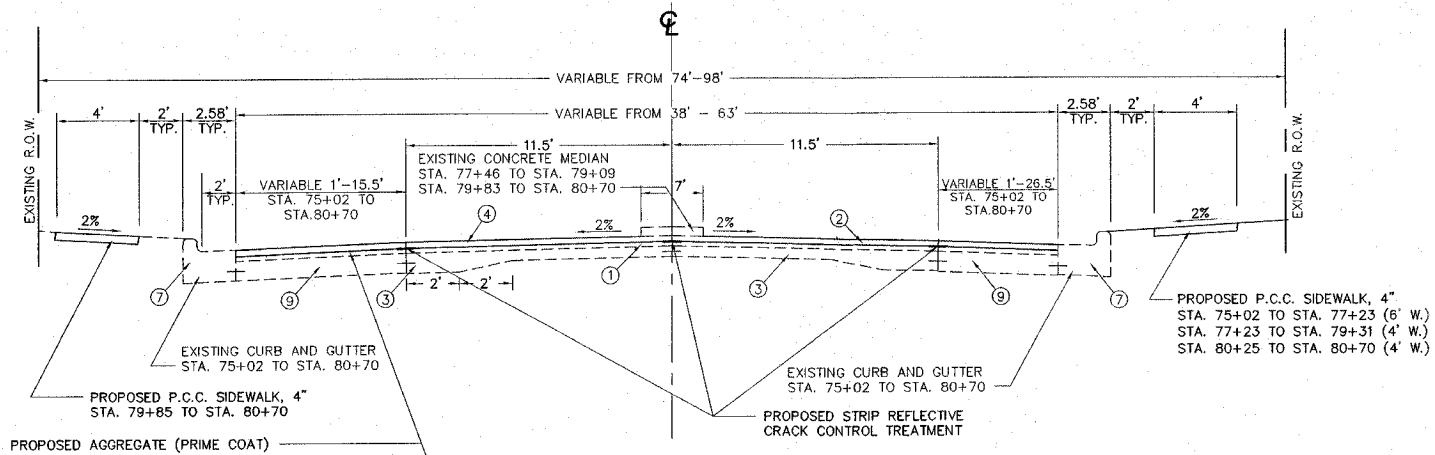
DWG. NO. TYPICAL SECTIONS.dwg  
 REF. BK. PG.  
 JOB NO. 286614  
 DSN. BY: CLA  
 DWN. BY: CDP-jmk  
 CHK. BY: JHH  
 DATE: JANUARY, 2007  
 SCALE: N.T.S.  
 SHEET 5 OF 31



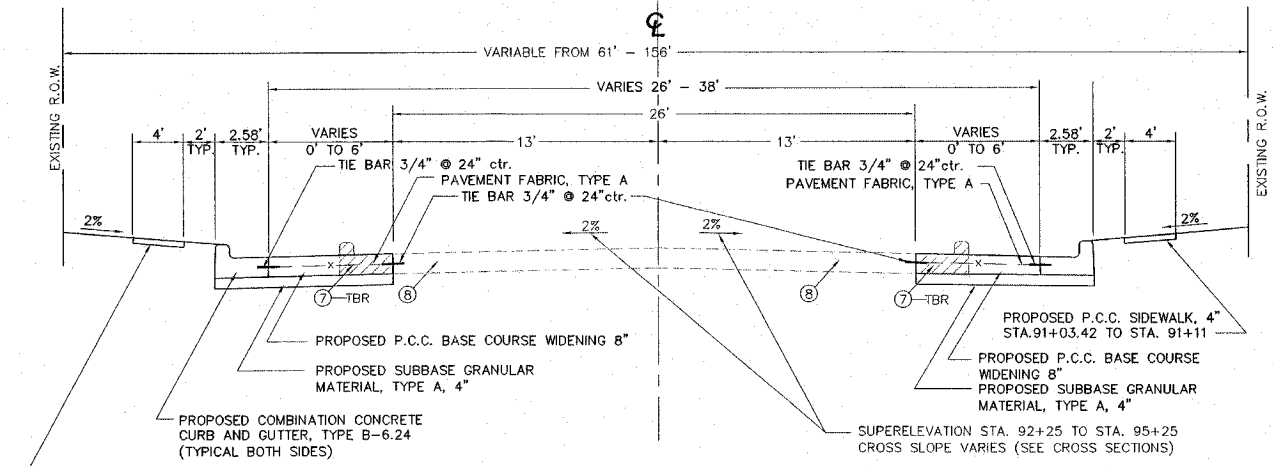
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 N.T.S.



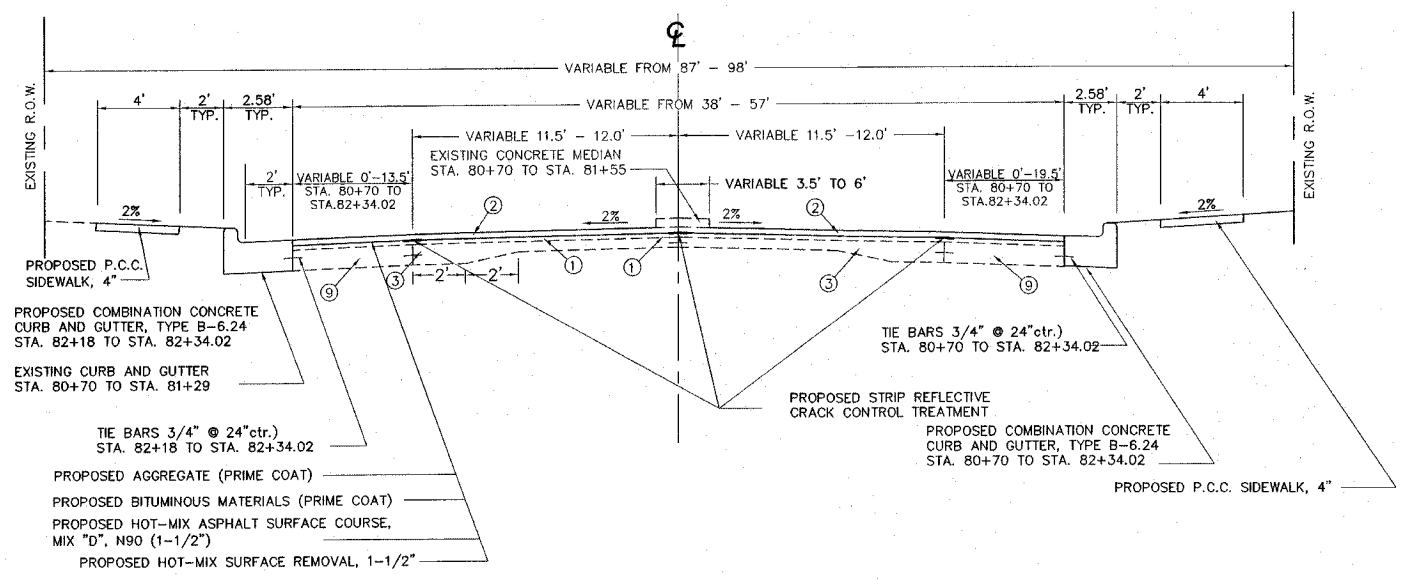
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 STA. 82+34.02 - 91+03.42  
 N.T.S.



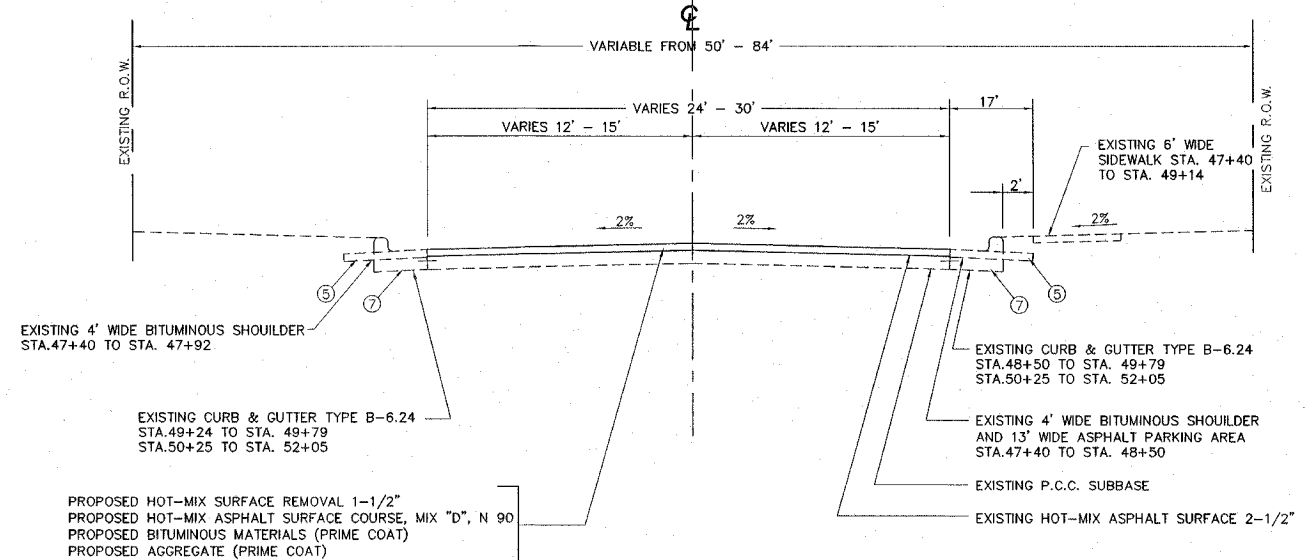
**PROPOSED TYPICAL SECTION**  
 STA. 75+02 - 80+70  
 N.T.S.



**PROPOSED TYPICAL SECTION**  
 STA. 91+03.42 - 95+50  
 N.T.S.



**PROPOSED TYPICAL SECTION**  
 STA. 80+70 - 82+34.02  
 N.T.S.

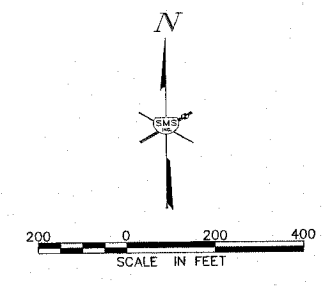


**PROPOSED TYPICAL SECTION NINTH STREET**  
 STA. 47+40 - 52+05  
 N.T.S.

**LEGEND**

- ① EXISTING 1 1/2" BITUMINOUS CONCRETE BINDER COURSE
- ② EXISTING 5/8" OPEN GRADED PLANT MIX SURFACE COURSE
- ③ EXISTING PCC PAVEMENT (9"-7 5/8"-9")
- ④ EXISTING BITUMINOUS SURFACE COURSE 1 1/2"
- ⑤ EXISTING BITUMINOUS SHOULDER
- ⑥ EXISTING BITUMINOUS WIDENING 7 1/2"
- ⑦ EXISTING B-6.24 CONCRETE CURB AND GUTTER
- ⑧ EXISTING P.C.C. PAVEMENT, 8"
- ⑨ EXISTING P.C.C. BASE COURSE WIDENING, 9"

I:\projects\WOOD RIVER PW (2006)4\dwg\TYPICAL SECTIONS.dwg, 2/15/2007 2:54:12 PM, jromney, 1:10



NO.	DESCRIPTION

**SMS** Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Market Street, P.O. Box E, Allen, IL 62002 618-662-9755 E-mail: mail@smsengineers.com  
 10 Central Industrial Drive, Granite City, IL 62040 618-977-3700 E-mail: mail@smsengineers.com  
 DESIGN FIRM # 184-000992



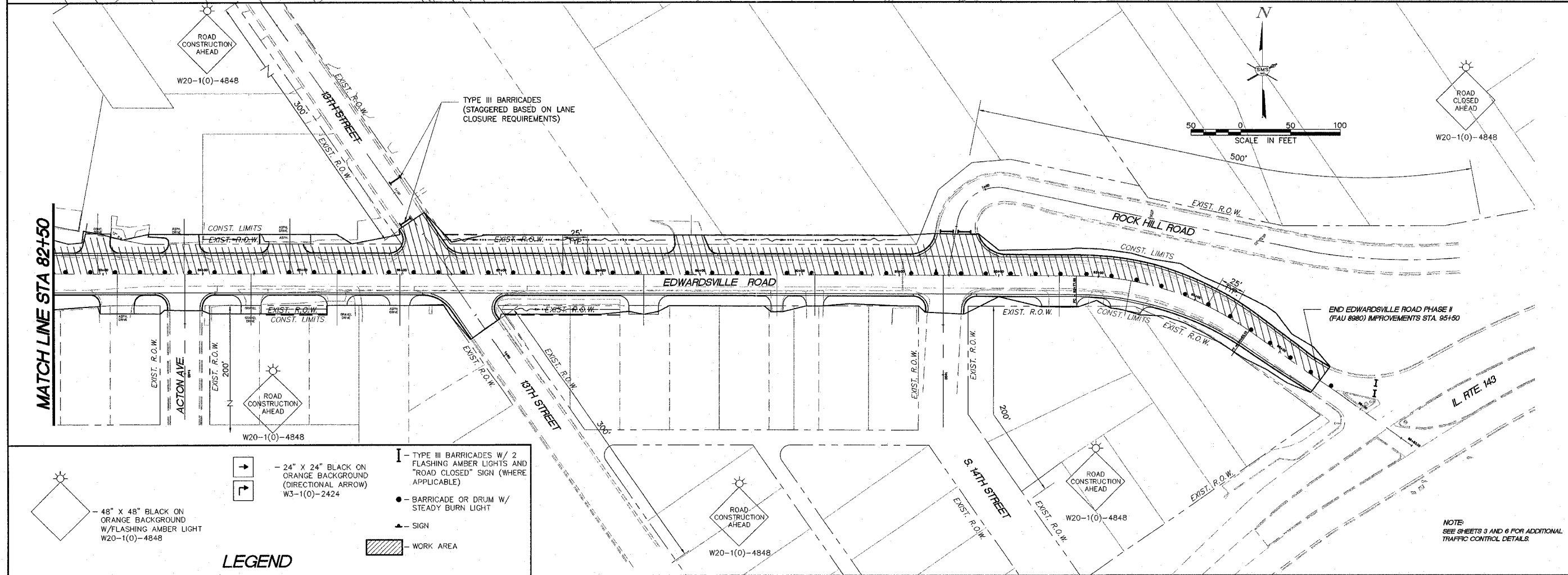
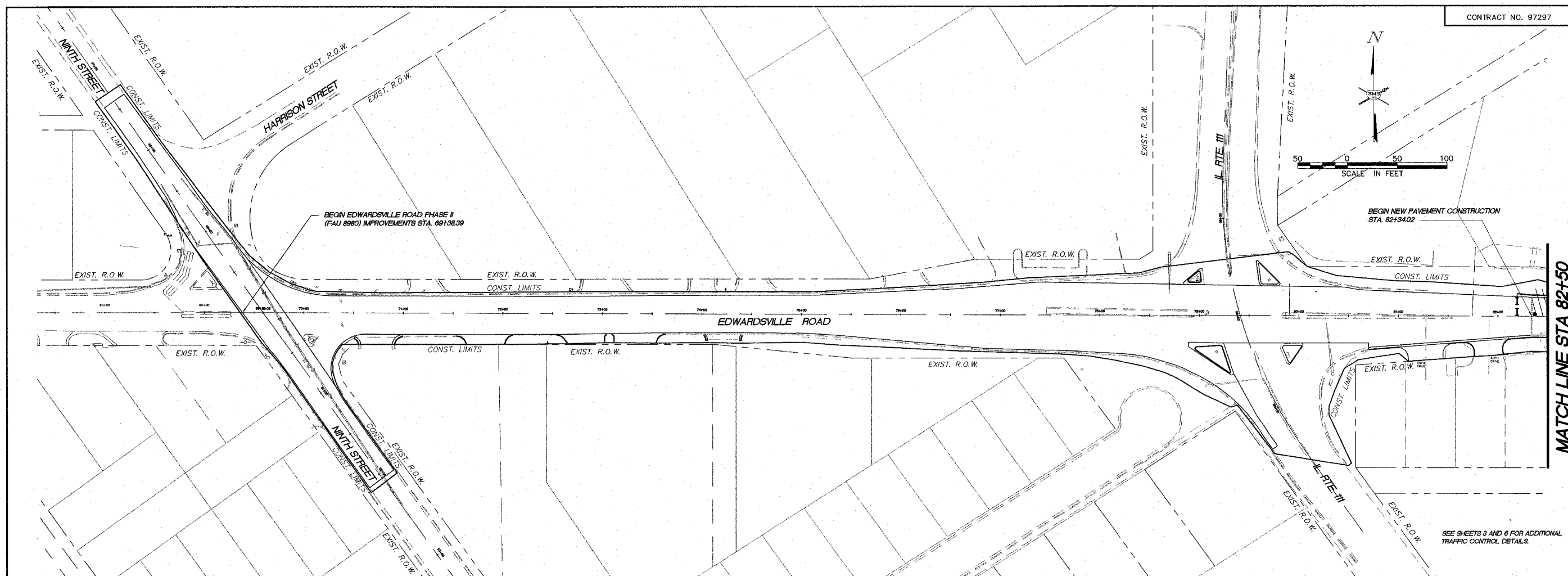
**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**TRAFFIC CONTROL PLAN STAGE I**

DWG. NO.	traffic_control_286614_0ddn.dwg
REF. BK.	PG.
JOB NO.	286614
DSN. BY:	CLA
DWN. BY:	CDP-jmk
CHK. BY:	JHH
DATE:	JANUARY, 2007
SCALE:	1"=200'
SHEET	6 OF 31

ic:\projects\W RIVER PW (286614)\dwg\traffic control\_286614\_0ddn.dwg, 2/6/2007 3:01:11 PM, jhermes, 1:30

**LEGEND**

- 48" X 48" BLACK ON ORANGE BACKGROUND W/ FLASHING AMBER LIGHT W20-1(O)-4848
- 24" X 24" BLACK ON ORANGE BACKGROUND (DIRECTIONAL ARROW) W3-1(O)-2424
- TYPE III BARRICADES W/ 2 FLASHING AMBER LIGHTS
- BARRICADE OR DRUM W/ STEADY BURNING AMBER LIGHT
- WORK AREA
- DETOUR ROUTE
- SIGN



NO.	REVISIONS

**SMS** Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 214 Madison Street, P.O. Box E, Alton, IL 62002 618/262-8733 E-mail: sms@smssheppard.com  
 10 Center Pointe Drive, Granite City, IL 62040 618/877-3700 E-mail: ms@smssheppard.com  
 DESIGN FIRM # 164-000892

**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**TRAFFIC CONTROL STAGE I**

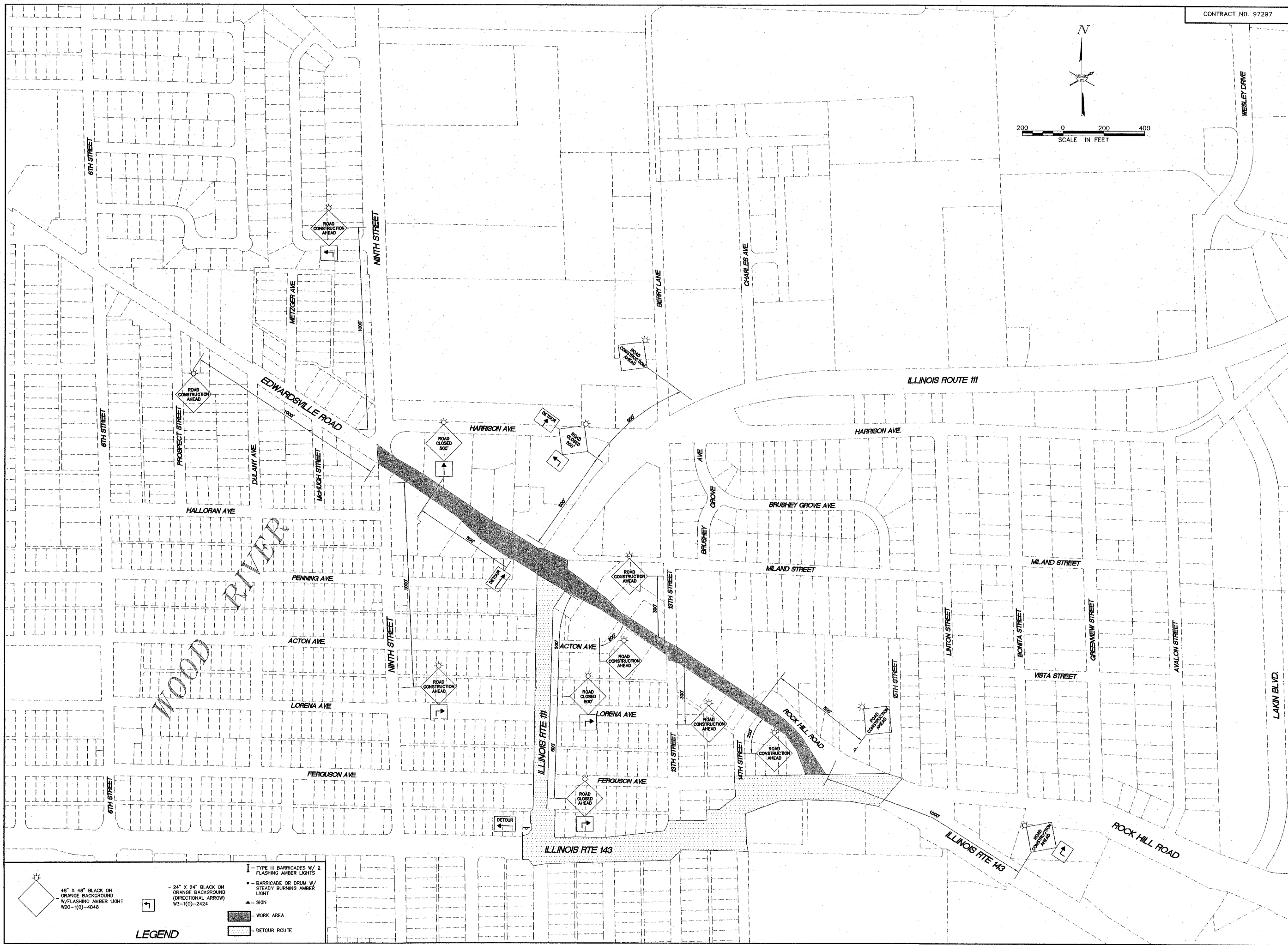
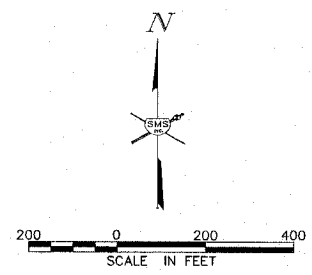
DWG. NO.	TRAFFIC CONTROL PH1 286614.dwg
REF. BK.	PG.
JOB NO.	286614
DSN. BY:	CLA
OWN. BY:	CDP-jmk
CHK. BY:	JHH
DATE:	JANUARY, 2007
SCALE:	1"=50'
SHEET	7 OF 31

and project\WOOD RIVER PH1 (286614)\TRAFFIC CONTROL PH1 286614.dwg, 2/1/2007 12:21:08 PM, jkenedy, 1:50

**LEGEND**

- 48" X 48" BLACK ON ORANGE BACKGROUND W/FLASHING AMBER LIGHT W20-1(0)-4848
- 24" X 24" BLACK ON ORANGE BACKGROUND (DIRECTIONAL ARROW) W3-1(0)-2424
- TYPE III BARRICADES W/ 2 FLASHING AMBER LIGHTS AND "ROAD CLOSED" SIGN (WHERE APPLICABLE)
- BARRICADE OR DRUM W/ STEADY BURN LIGHT
- SIGN
- WORK AREA

NOTE:  
 SEE SHEETS 3 AND 6 FOR ADDITIONAL TRAFFIC CONTROL DETAILS.



**LEGEND**

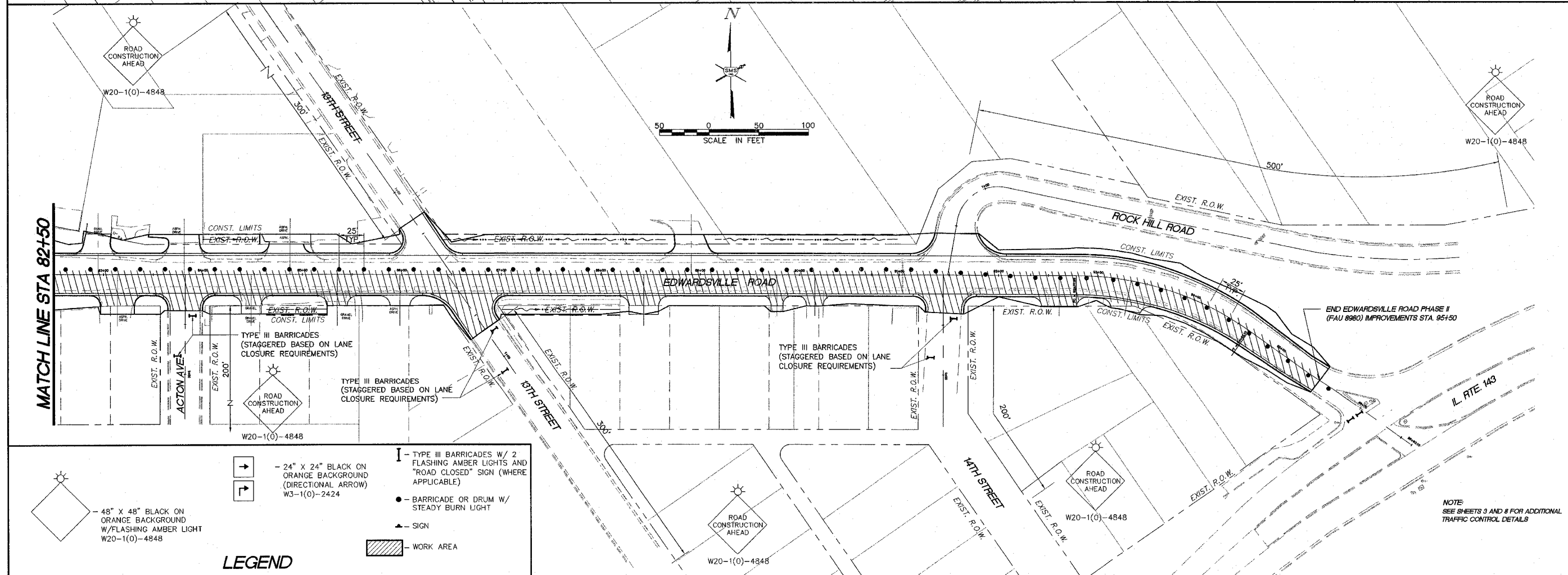
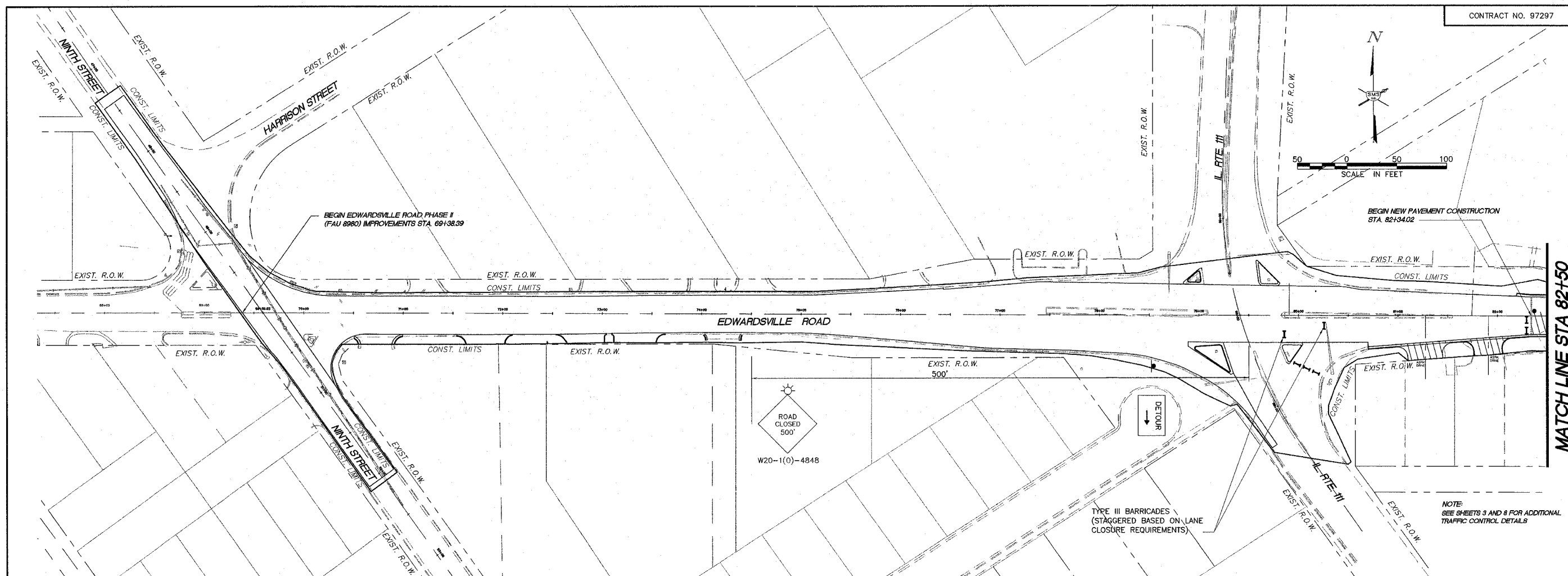
- 48" X 48" BLACK ON ORANGE BACKGROUND W/FLASHING AMBER LIGHT W20-1(0)-4848
- 24" X 24" BLACK ON ORANGE BACKGROUND (DIRECTIONAL ARROW) W3-1(0)-2424
- TYPE III BARRICADES W/ 2 FLASHING AMBER LIGHTS
- BARRICADE OR DRUM W/ STEADY BURNING AMBER LIGHT
- SIGN
- WORK AREA
- DETOUR ROUTE

NO.	DATE	DESCRIPTION

**SMS ENGINEERS**  
 Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Market Street, P.O. Box E, Alton, IL 62002 618462-9755 E-mail: mail@smsengr.com  
 10 Central Industrial Drive, Granite City, IL 62040 618377-9700 E-mail: mail@smgrm.com  
 DESIGN FIRM # 184-000992

**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**TRAFFIC CONTROL PLAN STAGE II**





**LEGEND**

- 48" X 48" BLACK ON ORANGE BACKGROUND W/FLASHING AMBER LIGHT W20-1(O)-4848
- 24" X 24" BLACK ON ORANGE BACKGROUND (DIRECTIONAL ARROW) W3-1(O)-2424
- TYPE III BARRICADES W/ 2 FLASHING AMBER LIGHTS AND "ROAD CLOSED" SIGN (WHERE APPLICABLE)
- BARRICADE OR DRUM W/ STEADY BURN LIGHT
- SIGN
- WORK AREA

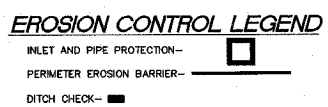
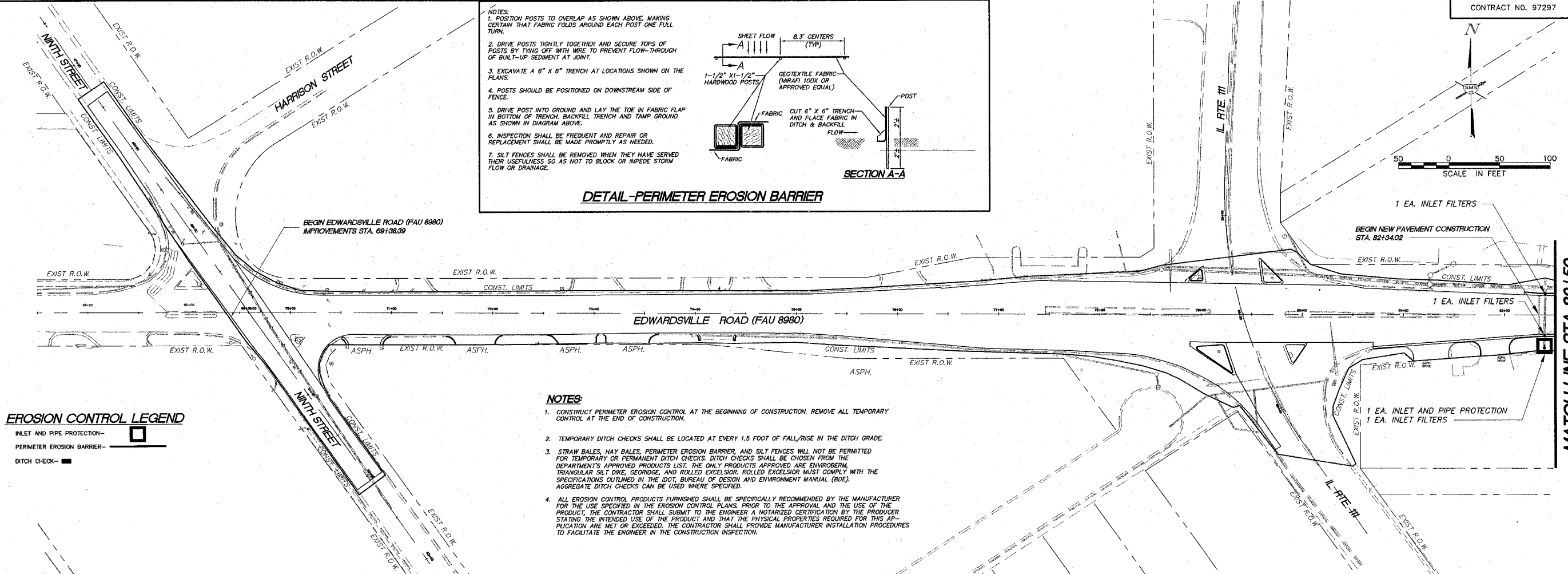
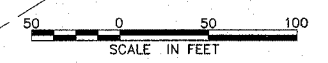
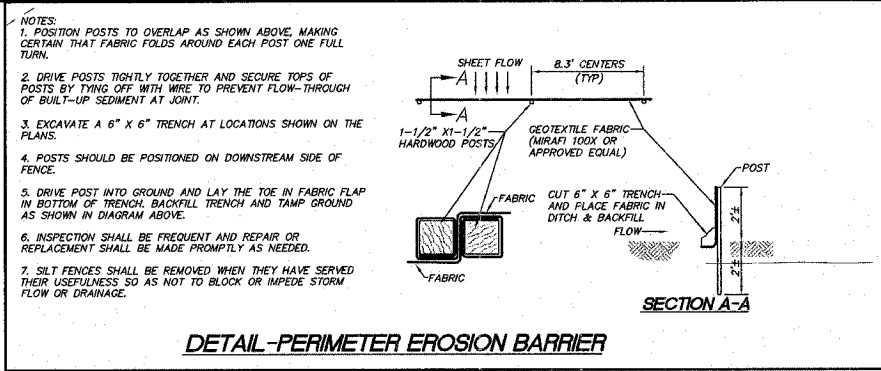
REVISIONS

**SMS** Sheppard, Morgan & Schwaab, Inc.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
118 North State, P.O. Box E, Alton, IL 62002 618/462-9155 E-mail: sms@smsengineers.com  
111 Central Industrial Drive, Granite City, IL 62040 618/877-5700 E-mail: ms@smsengineers.com  
DESIGN FIRM # 184-000392

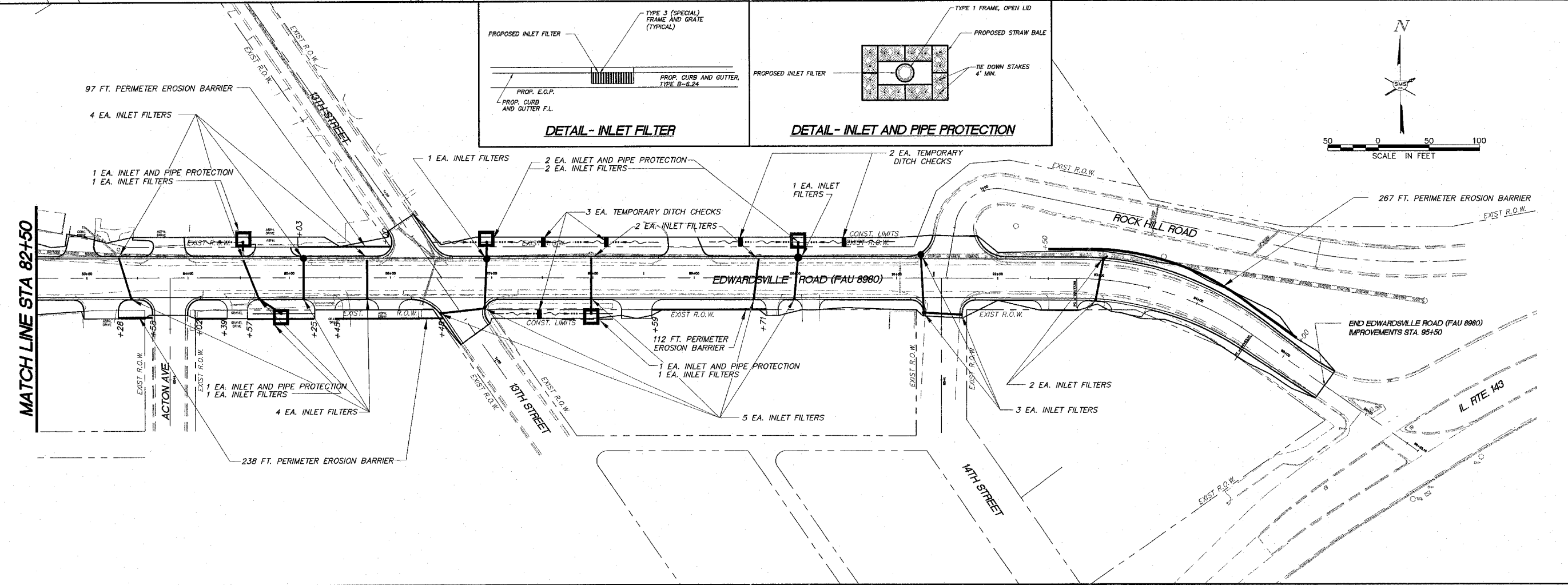
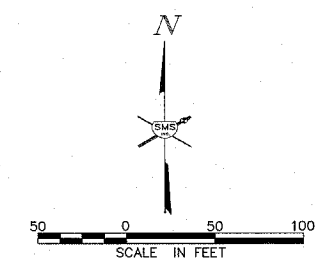
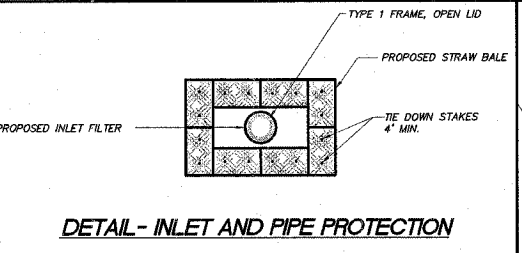
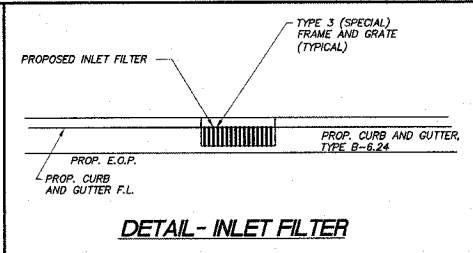
**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**TRAFFIC CONTROL STAGE II**

DWG. NO.	TRAFFIC CONTROL PH 286614.dwg
REF. BK.	PG.
JOB NO.	286614
DSN. BY:	CLA
DWN. BY:	CDP-jmk
CHK. BY:	JHH
DATE:	JANUARY, 2007
SCALE:	1"=50'
SHEET	9 OF 31

I:\end project\W RIVER PH 286614.dwg, 2/21/2007 12:10:04 PM, jamecky, 1:50



- NOTES:**
1. CONSTRUCT PERIMETER EROSION CONTROL AT THE BEGINNING OF CONSTRUCTION. REMOVE ALL TEMPORARY CONTROL AT THE END OF CONSTRUCTION.
  2. TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 1.5 FOOT OF FALL/RISE IN THE DITCH GRADE.
  3. STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER, AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE CHOSEN FROM THE DEPARTMENT'S APPROVED PRODUCTS LIST. THE ONLY PRODUCTS APPROVED ARE ENVROSERM, TRIANGULAR SILT DIKE, GEORIDGE, AND ROLLED EXCELSIOR. ROLLED EXCELSIOR MUST COMPLY WITH THE SPECIFICATIONS OUTLINED IN THE IDOT, BUREAU OF DESIGN AND ENVIRONMENT MANUAL (BDE). AGGREGATE DITCH CHECKS CAN BE USED WHERE SPECIFIED.
  4. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLANS. PRIOR TO THE APPROVAL AND THE 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 THE CONSTRUCTION INSPECTION.

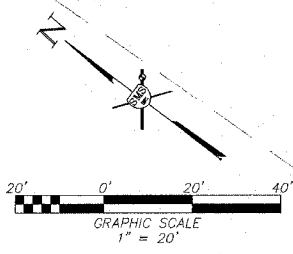
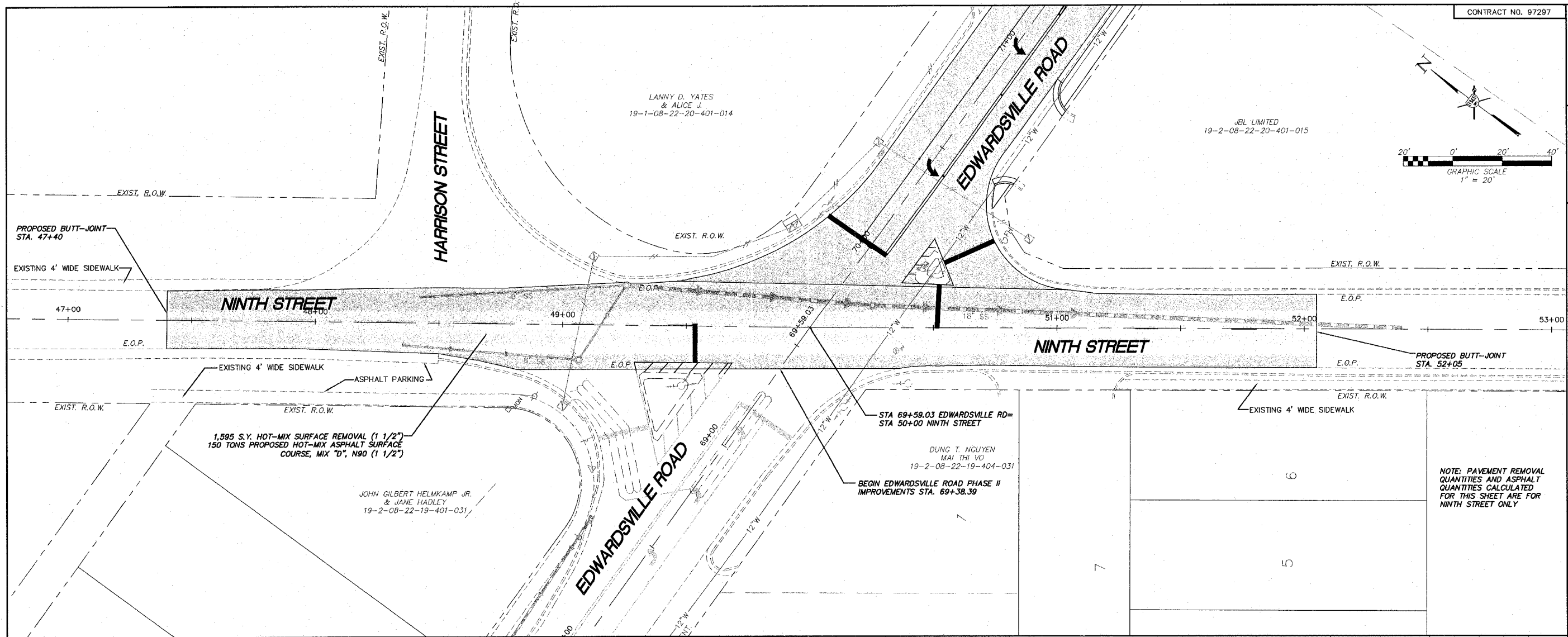


REVISIONS

**SMS** Sheppard, Morgan & Schwaab, Inc.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
215 Main Street, P.O. Box E, Alton, IL 62902 618-932-9725 E-mail: sms@smssheppard.com  
110 Central Industrial Drive, Granite City, IL 62040 618-977-2970 E-mail: mail@smssheppard.com  
DESIGN FIRM # 184-000992

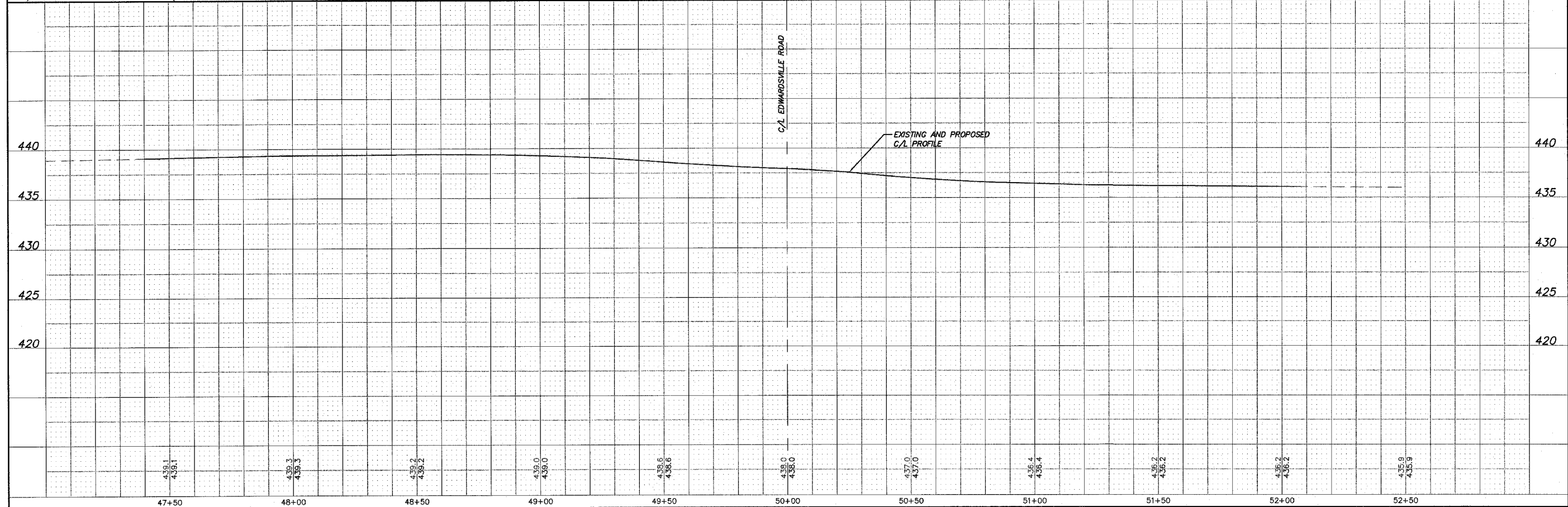
**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**EROSION CONTROL**

DWG. NO.	EROSION PHII 286614.dwg
REV. BK.	PG.
JOB NO.	286614
DSN. BY:	CLA
DWN. BY:	CDP-jmk
CHK. BY:	JHH
DATE:	JANUARY, 2007
SCALE:	1" = 50'
SHEET	10 OF 31



NO.	DESCRIPTION

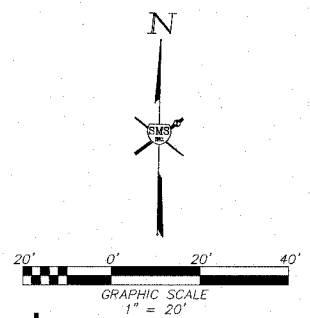
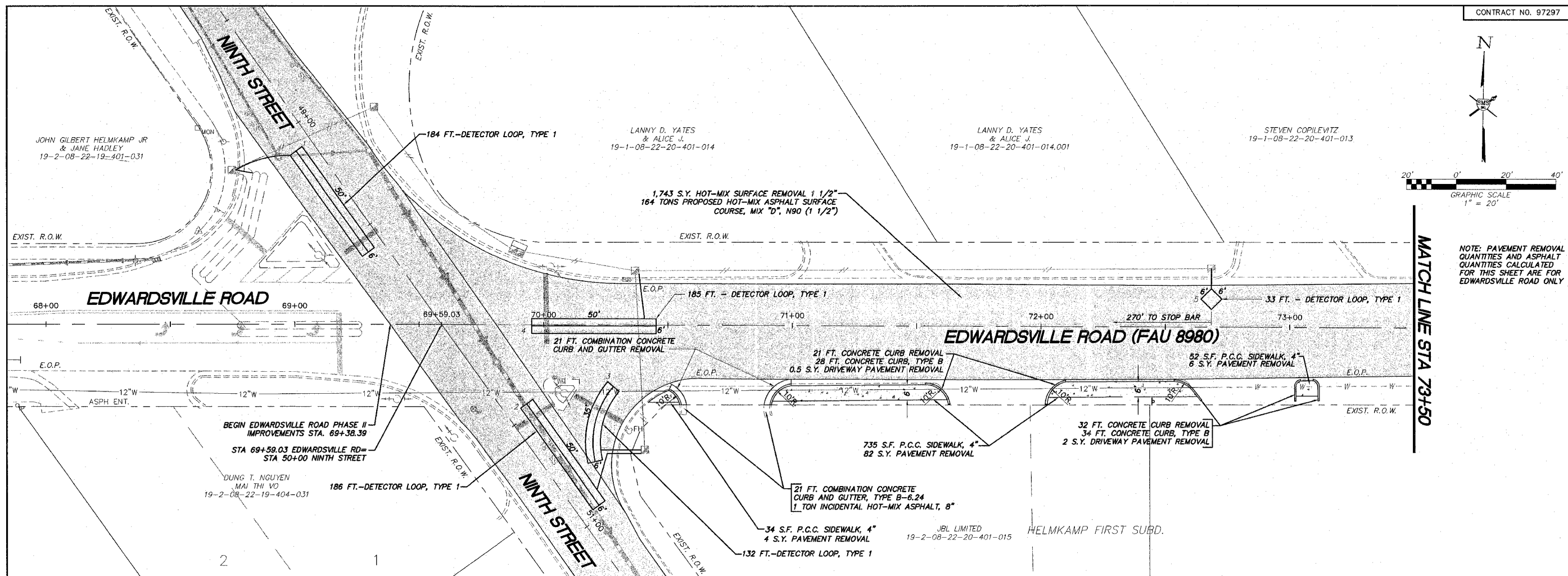
**SMS ENGINEERS**  
 Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 218 Madison Street, P.O. Box E, Moline, IL 62902 618.682.9765 Email: me@smsengineers.com  
 40 Central Industrial Drive, Carle Place, IL 62904 618.677.9700 Email: me@smsengineers.com  
 DESIGN FIRM # 184-00992



**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**PLAN PROFILE**

DWG. NO.	Edwardsville road phs II PPa.dwg
REF. BK.	PG.
JOB NO.	286514
DSH. BY:	CLA
DWN. BY:	CDP-jmk
CHK. BY:	JHH
DATE:	JANUARY, 2007
HORIZ. SCALE:	1" = 20'
VERT. SCALE:	1" = 5'
SHEET	11 OF 31

I:\and projects\WOOD RIVER PH (286514)\dwg\Edwardsville road phs II PPa.dwg, 2/21/2007 12:00:13 PM, Jiemsky, 1:20



NOTE: PAVEMENT REMOVAL QUANTITIES AND ASPHALT QUANTITIES CALCULATED FOR THIS SHEET ARE FOR EDWARDSVILLE ROAD ONLY

MATCH LINE STA 73+50

REVISIONS

**SMS ENGINEERS**  
 Sheppard, Morgan & Schwab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 315 Market Street, P.O. Box 1, Alton, IL 62802, 618465-9755, Email: mail@smsengineers.com  
 110 Central Inland Drive, Granite City, IL 62040, 618377-9700, Email: mail@smsengineers.com  
 DESIGN FIRM # 134-000992

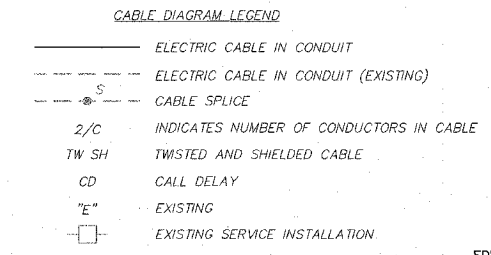
INTERSECTION OF EDWARDSVILLE ROAD / NINTH STREET

**DETECTOR LOOP REQUIREMENTS AND CALCULATIONS**

NO.	LOOP	PHASE	LOOP SIZE (FT.)	REQUIRED NO. OF TURNS	LEAD-IN LENGTH (FT.)	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1.	SOUTHBOUND THRU/LT.	-	6x50	3-6-3	174'	824.3	2.5
2.	NORTHBOUND THRU/LT.	-	6x50	3-6-3	97'	807.3	2.1
3.	NORTHBOUND RT.	-	6x35	5-10-5	83'	1,747.3	2.3
4.	WESTBOUND THRU/LT.	-	6x50	4-8-4	21'	1,214.6	2.2
5.	WESTBOUND CCO(THRU)	-	6'x6'	9	284'	745.3	2.0

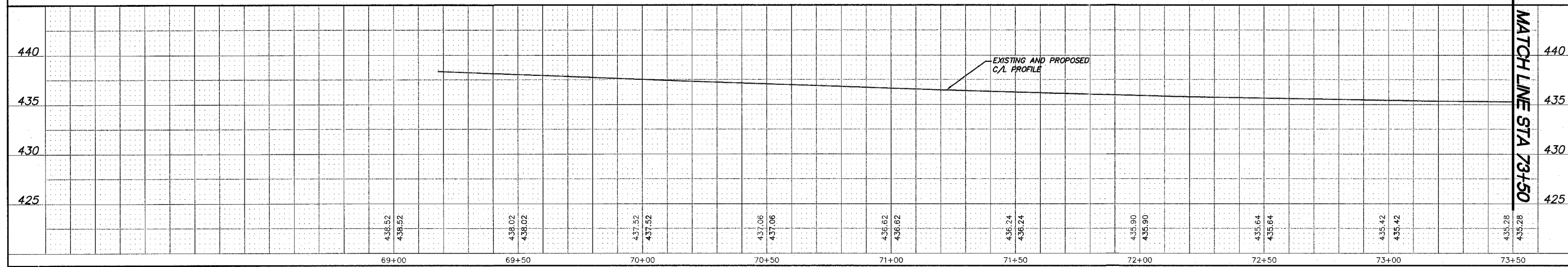
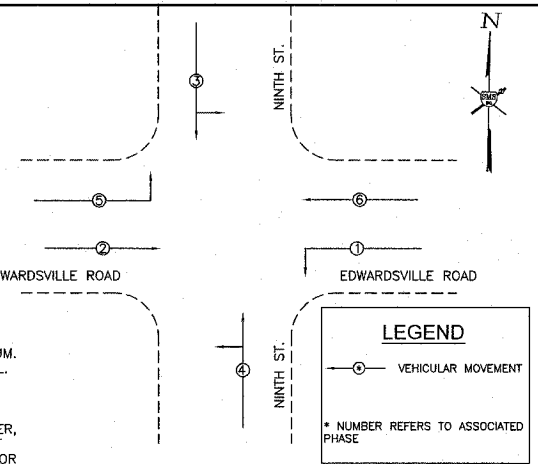
**EXISTING/PROPOSED OPERATION**

PHASE Ø	1	2	3	4	5	6	7	8
MOVEMENT	↙	→	↘	↖	↗	↔		
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2	NOT USED	NOT USED



**NOTES**

- ALL PEDESTRIAN SIGNAL HEADS SHALL HAVE 12-INCH L.E.D. INDICATIONS. ALL MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SIEZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
- ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER, UNLESS OTHERWISE SPECIFIED. FIELD WIRES SHALL BE CONNECTED AT CONTROLLER OUTPUT TERMINALS USING ILSCO SLU-55 CONNECTORS OR EQUIVALENT.
- IN FLASHING MODE, ALL VEHICULAR SIGNAL FACES SHALL FLASH RED.



**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
 SECTION 05-00043-02-WR  
 WOOD RIVER, ILLINOIS  
 PLAN PROFILE

DWG. NO. Edwardsville\_road\_phs\_ii\_PPI.dwg  
 REF. BK. PG.  
 JOB NO. 286614  
 DSN. BY. CJA  
 DWN. BY. COP-jmk  
 CHK. BY. JHH  
 DATE: JANUARY, 2007  
 SCALE: HORZ.: 1" = 20'  
 VERT.: 1" = 5'

MATCH LINE STA 73+50

SHEET 12 OF 31

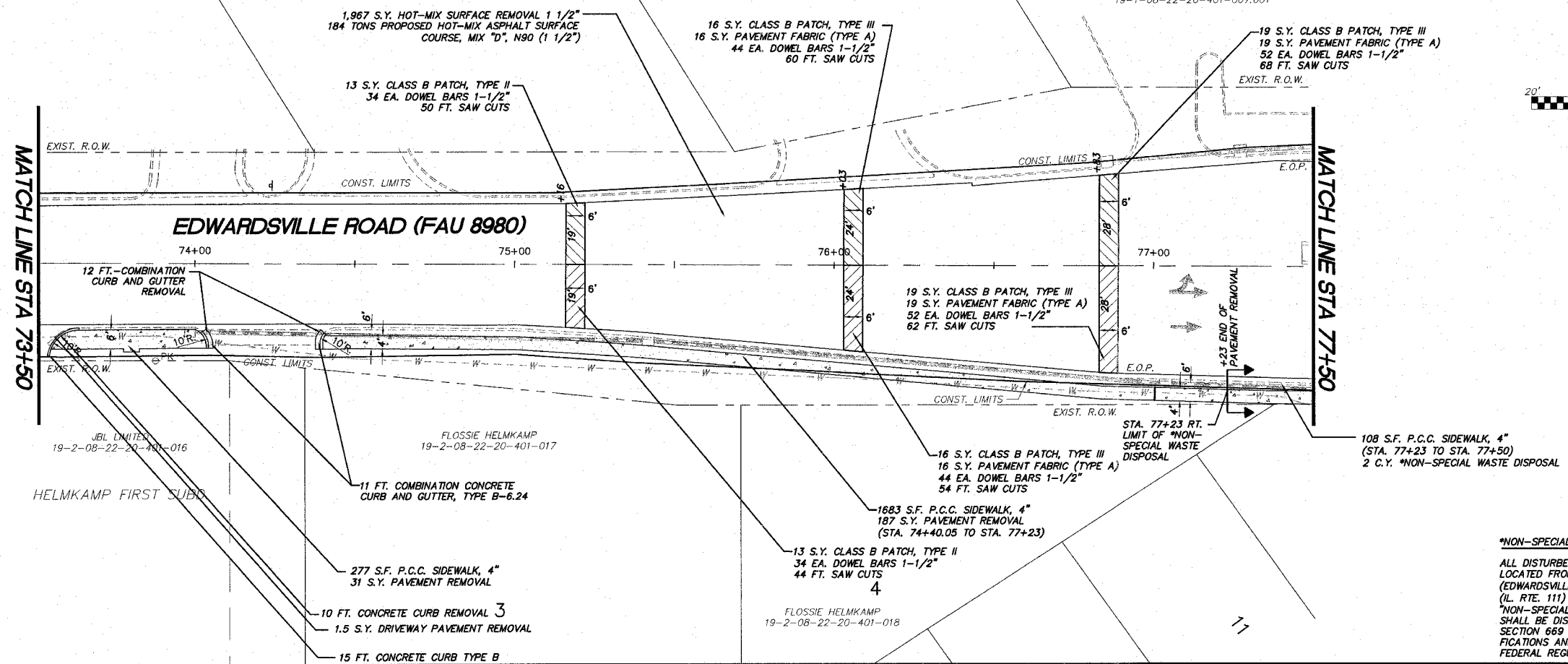
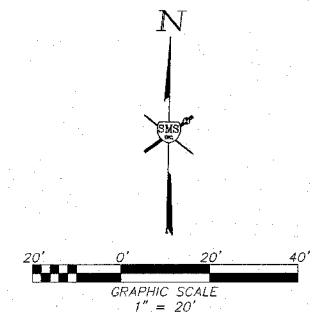
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STEVEN COPILEVITZ  
19-1-08-22-20-401-013

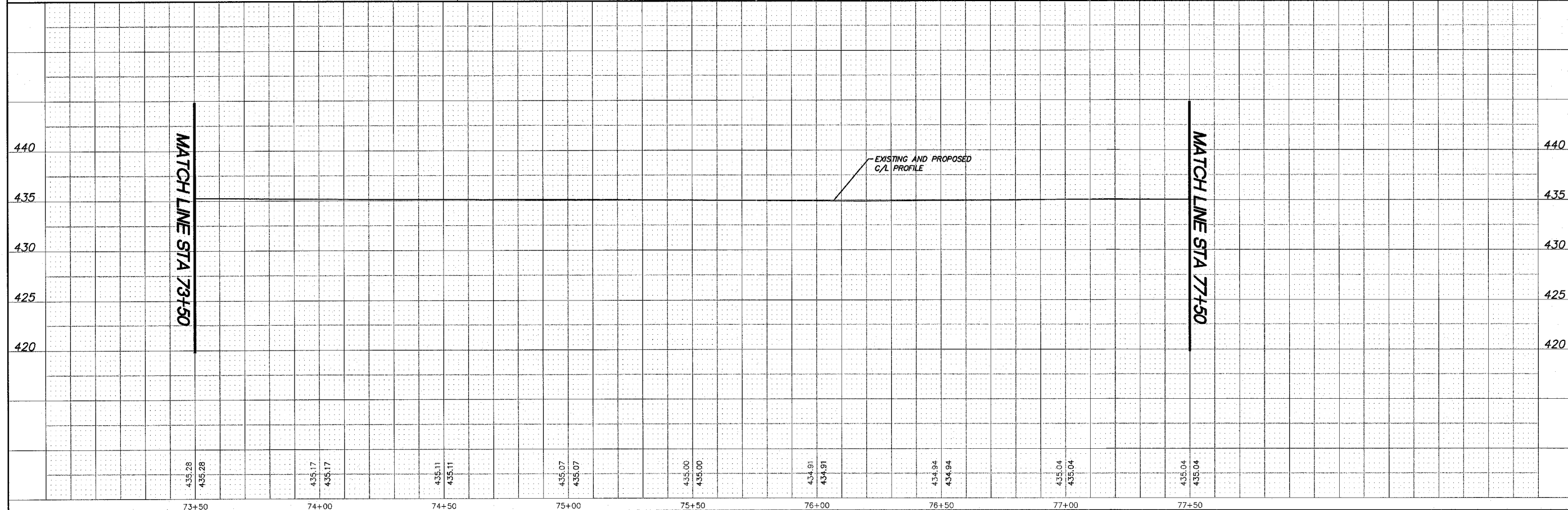
ROGER EUGENE JOHNSON  
& METAL TRUSTEES  
19-1-08-22-20-401-012

PAUL FERRELL  
& CHUCK SANDERSON  
19-1-08-22-20-401-010

HARDEES FOOD SYSTEMS INC.  
C/O OKE RESTAURANTS TAX DEPT.  
19-1-08-22-20-401-007.001



**\*NON-SPECIAL WASTE DISPOSAL**  
ALL DISTURBED OR EXCAVATED EARTH  
LOCATED FROM STA. 77+23 RT.  
(EDWARDSVILLE RD.) TO STA. 98+18 LT.  
(IL RTE. 111) SHALL BE CONSIDERED  
"NON-SPECIAL WASTE DISPOSAL" AND  
SHALL BE DISPOSED OF ACCORDING TO  
SECTION 669 OF THE STANDARD SPECI-  
FICATIONS AND ALL LOCAL, STATE AND  
FEDERAL REGULATIONS.



REVISIONS

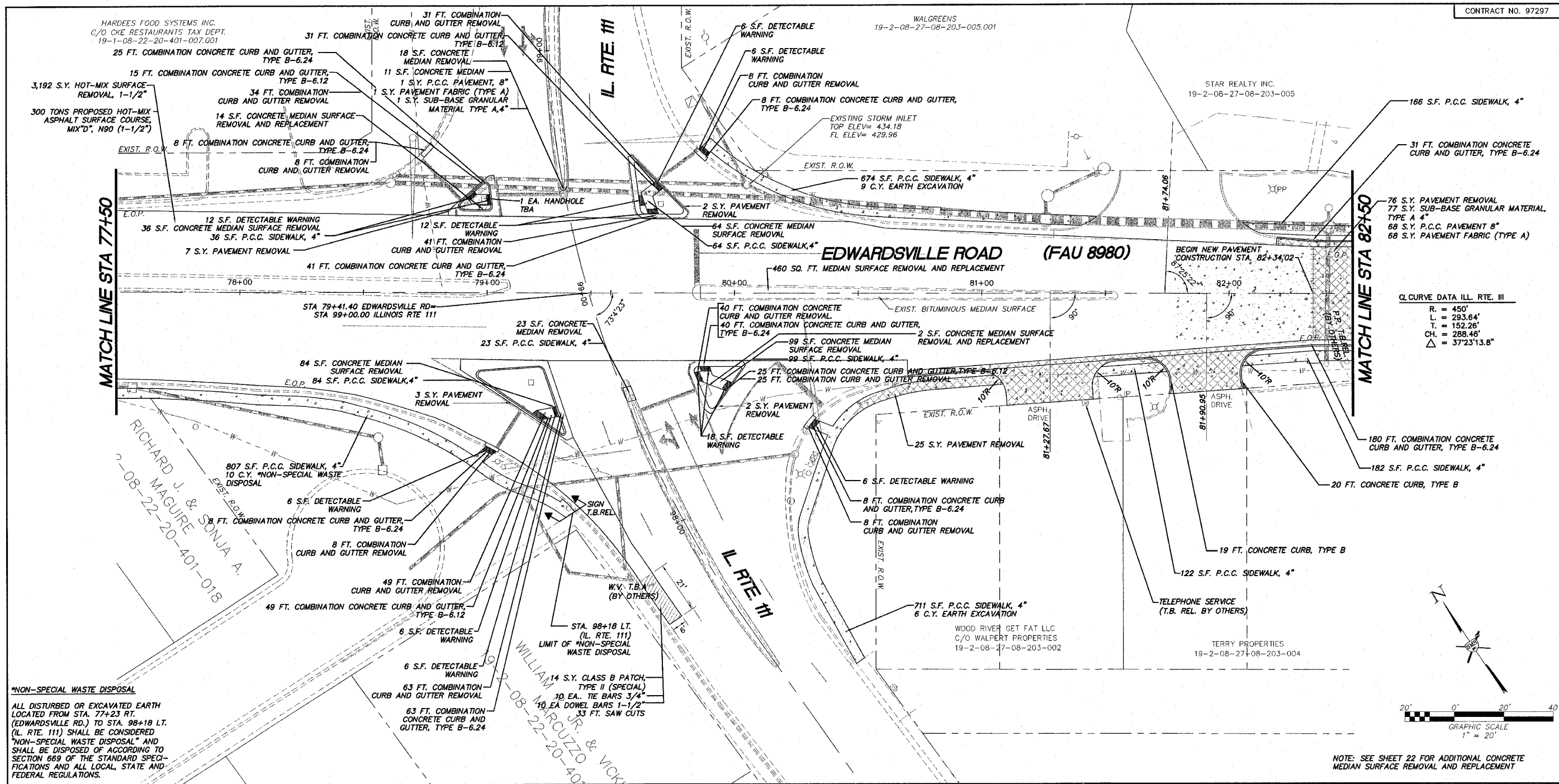
NO.	DESCRIPTION

**SMS** Sheppard, Morgan & Schwaab, Inc.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
215 North Street, P.O. Box E, Moline, IL 62450 618.682.0700 E-mail: sms@smsengineers.com  
10 Central Indiana Drive, Grantville, IL 62440 618.877.4970 E-mail: mgs@smsengineers.com  
DESIGN FIRM # 184-000992

**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**PLAN PROFILE**

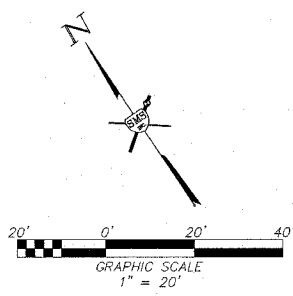
DWG. NO.  
Edwardsville road phs II PP2.dwg  
REF. BK. PG.  
JOB NO. 286614  
DSN. BY: CL  
OWN. BY: CDP-imk  
CHK. BY: JHH  
DATE: JANUARY, 2007  
SCALE: HORZ.: 1" = 20'  
VERT.: 1" = 5'  
SHEET 13 OF 31

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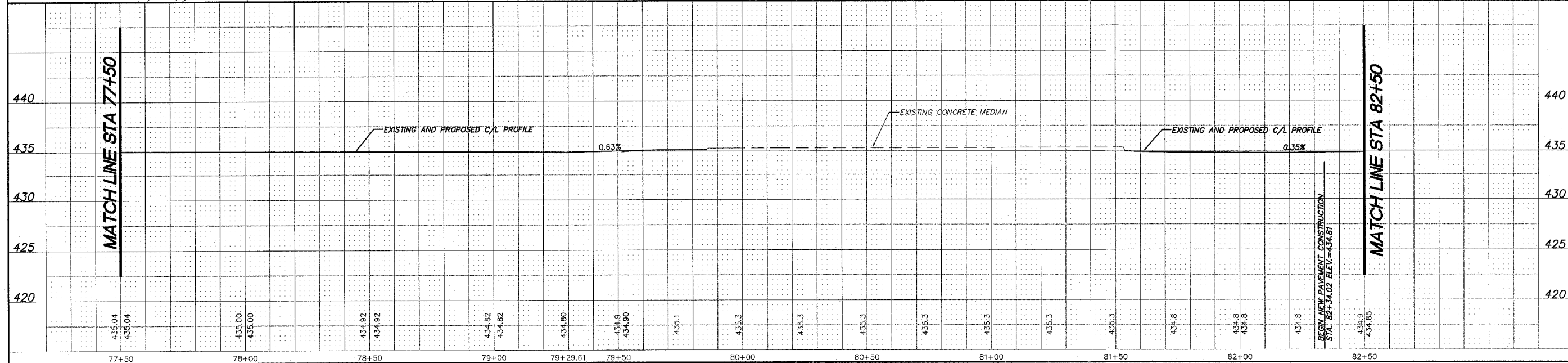
CL CURVE DATA ILL. RTE. III

R.	= 450'
L.	= 293.64'
T.	= 152.26'
CH.	= 288.46'
Δ	= 37°23'13.8"



NOTE: SEE SHEET 22 FOR ADDITIONAL CONCRETE MEDIAN SURFACE REMOVAL AND REPLACEMENT

**\*NON-SPECIAL WASTE DISPOSAL**  
 ALL DISTURBED OR EXCAVATED EARTH LOCATED FROM STA. 77+23 RT. (EDWARDSVILLE RD.) TO STA. 98+18 LT. (ILL. RTE. 111) SHALL BE CONSIDERED "NON-SPECIAL WASTE DISPOSAL" AND SHALL BE DISPOSED OF ACCORDING TO SECTION 609 OF THE STANDARD SPECIFICATIONS AND ALL LOCAL, STATE AND FEDERAL REGULATIONS.



REVISIONS

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 CONSULTING ENGINEERS AND LAND SURVEYORS  
 216 Market Street, P.O. Box E, Wood River, IL 62450, 618-882-2725, Email: mail@smseng.com  
 101 Central Industrial Drive, Granite City, IL 62040, 618-977-9700, Email: mail@granitecity.com  
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**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**PLAN PROFILE**

DWG. NO.	Edwardsville road phase II PP3.dwg
REF. BK.	FG
JOB NO.	286614
DSM. BY:	CLA
CHK. BY:	CDP-jmk
DATE:	JANUARY, 2007
SCALE:	HORZ: 1"=20' VERT: 1"=5'
SHEET	14 OF 31

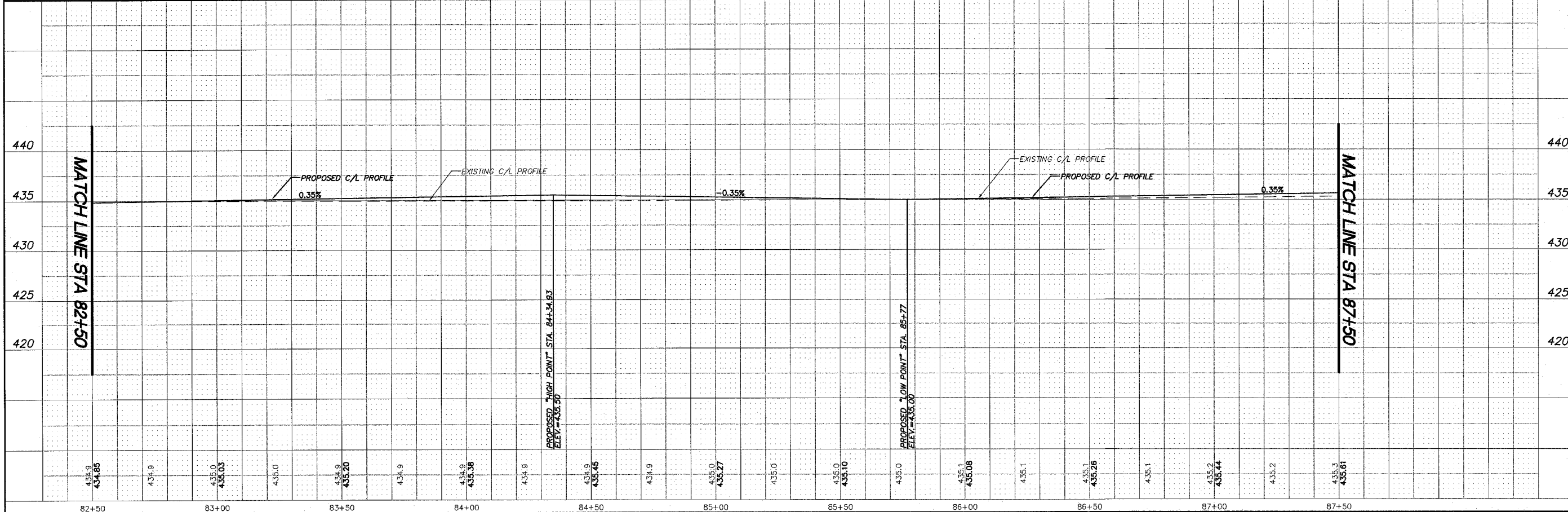
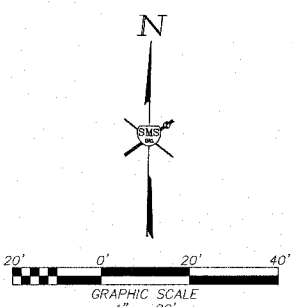
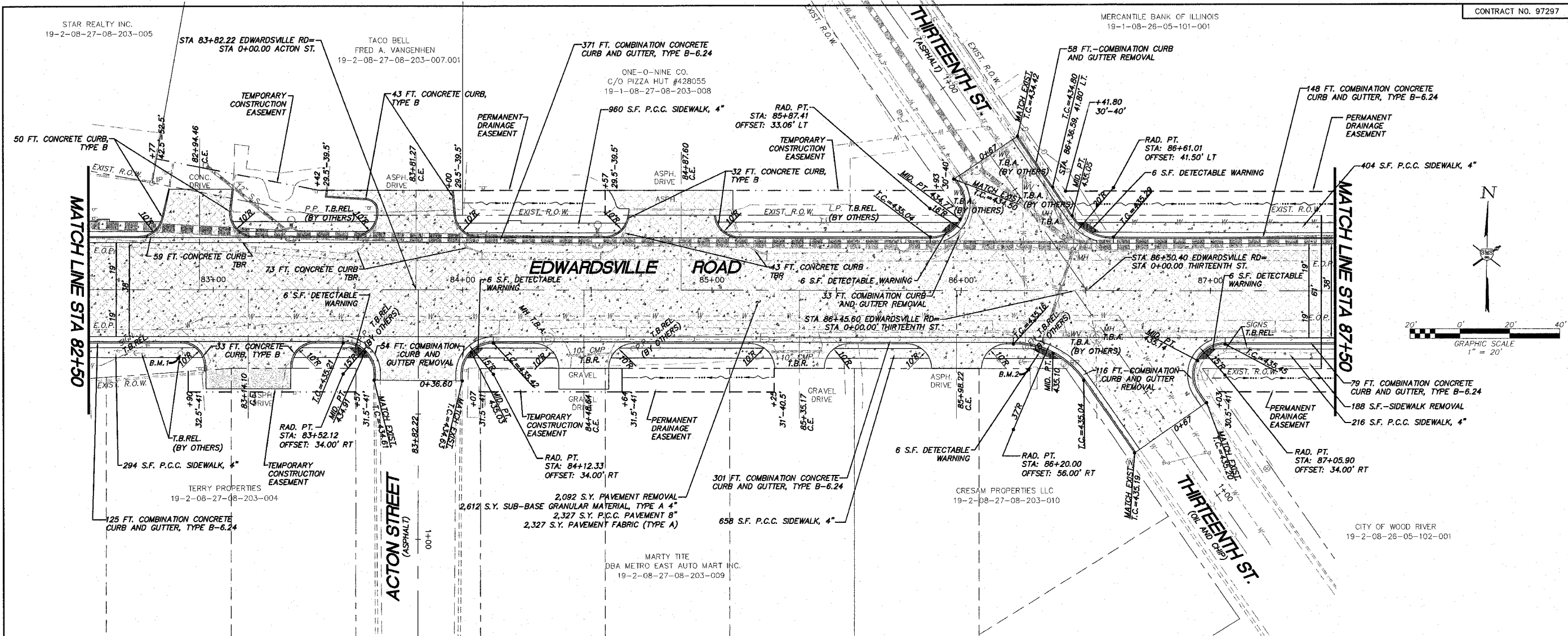
STAR REALTY INC.  
19-2-08-27-08-203-005

TACO BELL  
FRED A. VANGENHEN  
19-2-08-27-08-203-007.001

ONE-O-NINE CO.  
C/O PIZZA HUT #428055  
19-1-08-27-08-203-008

MERCANTILE BANK OF ILLINOIS  
19-1-08-26-05-101-001

CONTRACT NO. 97297



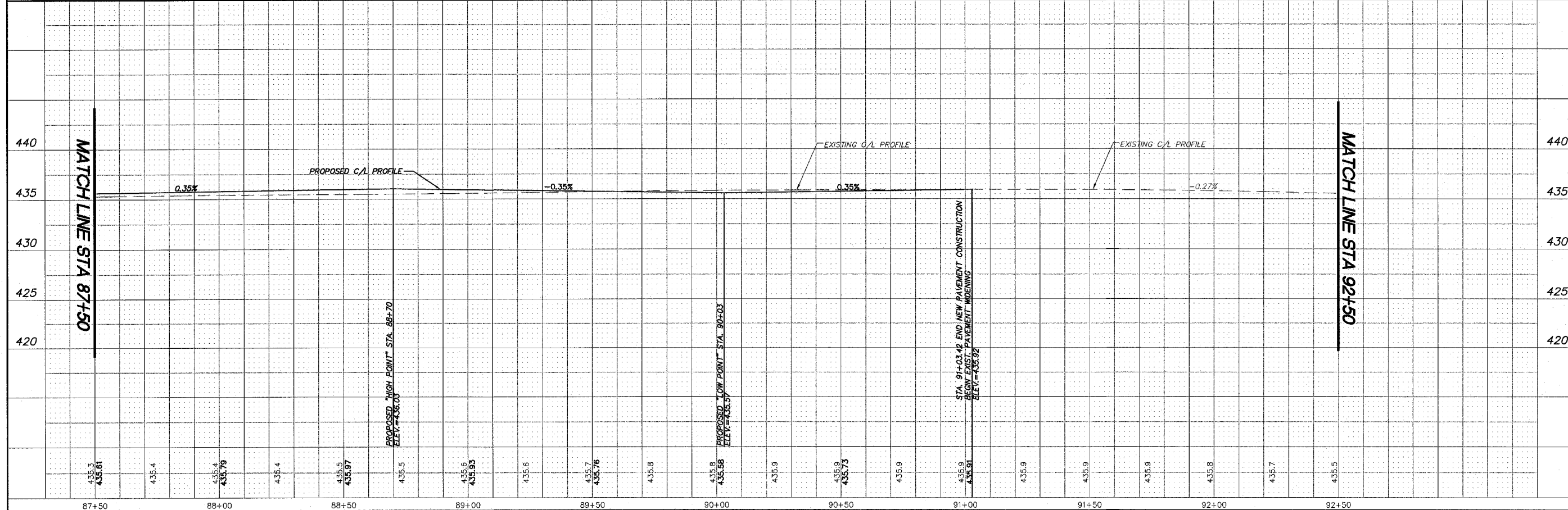
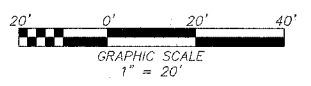
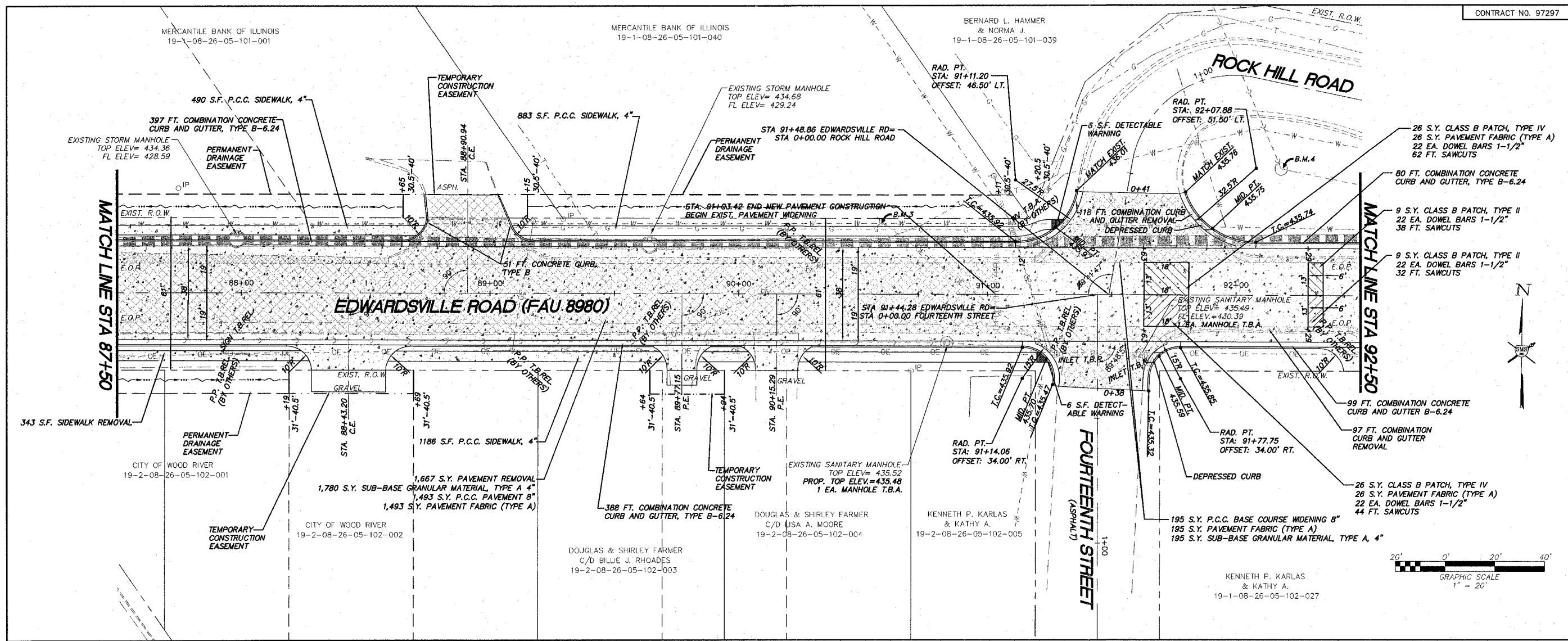
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**SMS ENGINEERS**  
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CONSULTING ENGINEERS AND LAND SURVEYORS  
215 Main Street, P.O. Box E, Wood River, IL 62092 618/662-9755 Email: mail@smsengineers.com  
10 Central Industrial Drive, Carmel, IN 46034 818/877-9100 Email: mail@smsengineers.com  
DESIGN FIRM # 184-000992

**EDWARDSVILLE ROAD PHASE II (FAU 8980)  
SECTION 05-00043-02-WR  
WOOD RIVER, ILLINOIS  
PLAN PROFILE**

DWG. NO.  
Edwardsville road phs II PP4.dwg  
REF. BK. PG.  
JOB NO. 286514  
DISH. BY: CLA  
DWN. BY: CDP-jmk  
CHK. BY: JHH  
DATE: JANUARY, 2007  
SCALE: HORZ: 1"=20'  
VERT: 1"=5'  
SHEET 15 OF 31

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REVISIONS

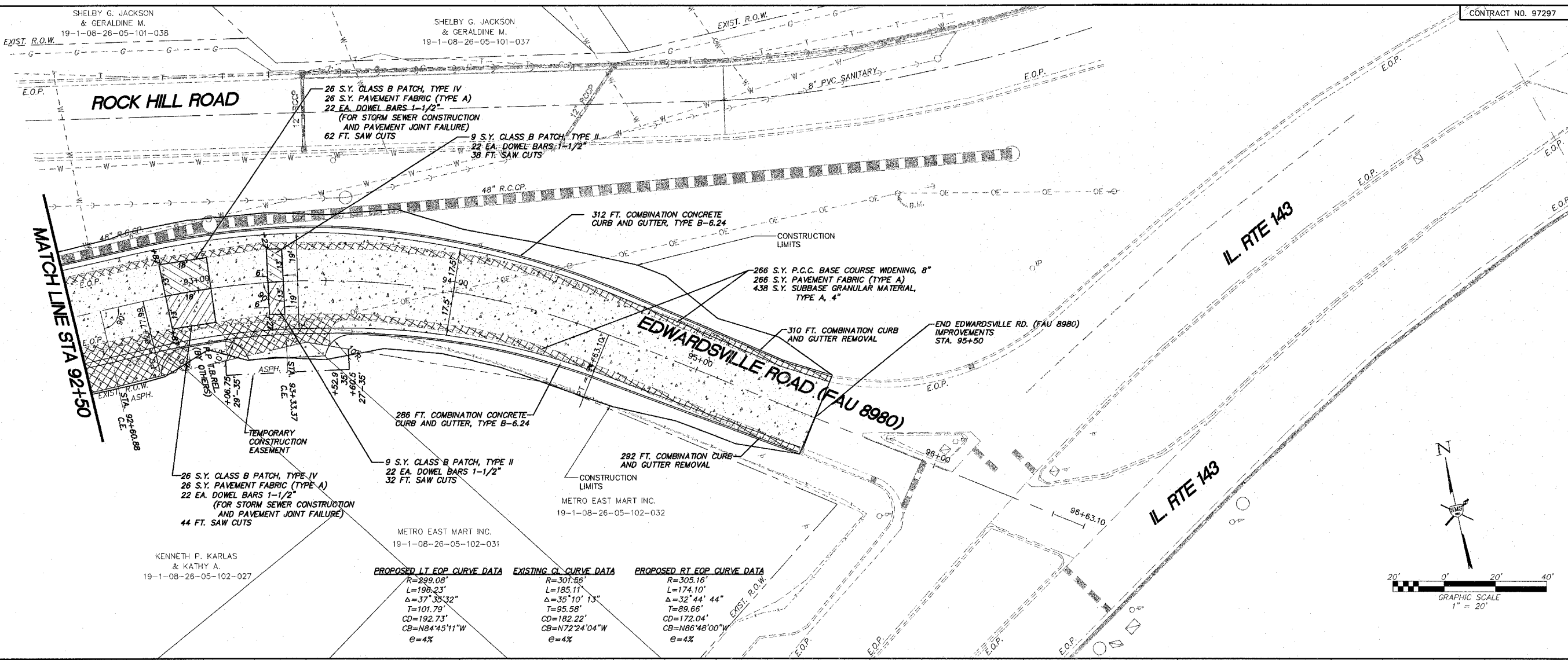

**SMS** Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 214 North State, P.O. Box E, Alton, IL 62002 618/462-9755 Email: me@smssurvey.com  
 10 Central Indiana Drive, Carmel, IN 46033 765/837-9700 Email: me@smssurvey.com  
 DESIGN FIRM # 184-000992

**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**PLAN PROFILE**

DWG. NO. Edwardsville\_road\_phs\_ii\_pps.dwg  
 REF. BK. PG. 286614  
 JOB NO. 286614  
 DES. BY. C.A.  
 DWN. BY. CDP-jmk  
 CHK. BY. JHH  
 DATE: JANUARY, 2007  
 SCALE: HORZ: 1"=20'  
 VERT: 1"=5'  
 SHEET 16 OF 31

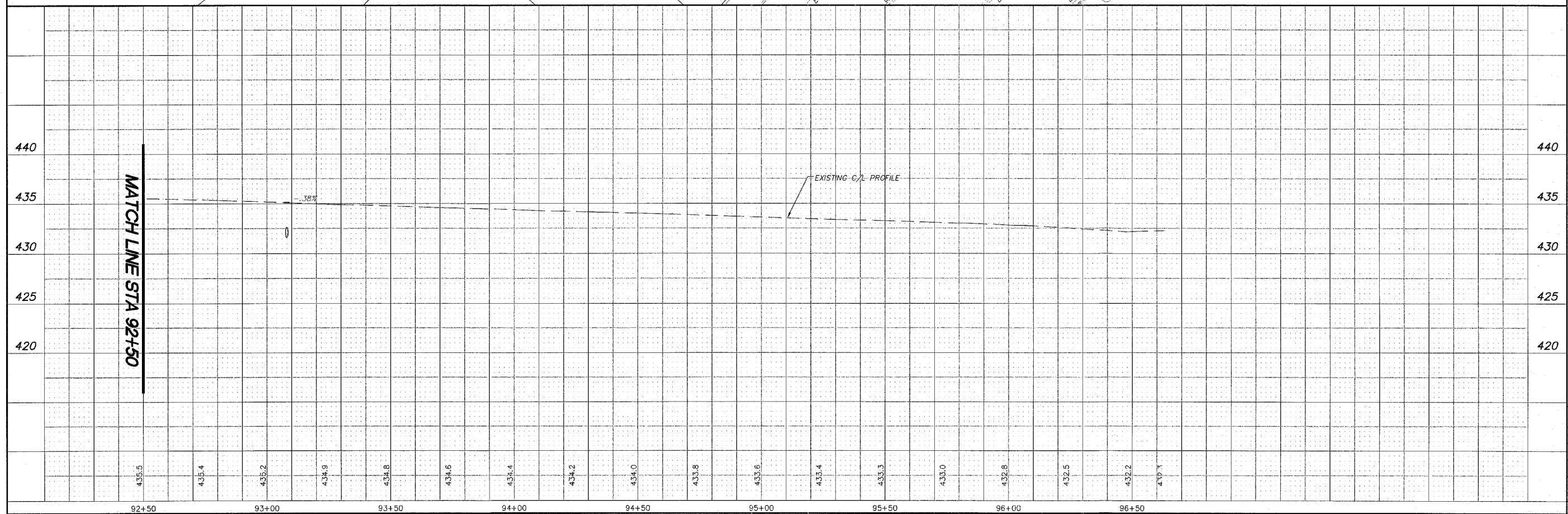
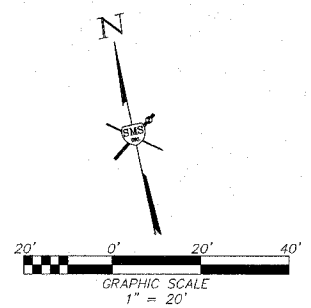
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KENNETH P. KARLAS  
& KATHY A.  
19-1-08-26-05-102-027

PROPOSED LT EOP CURVE DATA	EXISTING C/L CURVE DATA	PROPOSED RT EOP CURVE DATA
R=299.08'	R=301.56'	R=305.16'
L=198.23'	L=185.11'	L=174.10'
$\Delta=37^{\circ}35'32''$	$\Delta=35^{\circ}10'13''$	$\Delta=32^{\circ}44'44''$
T=101.79'	T=95.58'	T=89.66'
CD=192.73'	CD=182.22'	CD=172.04'
CB=N84°45'11"W	CB=N72°24'04"W	CB=N86°48'00"W
$e=4\%$	$e=4\%$	$e=4\%$



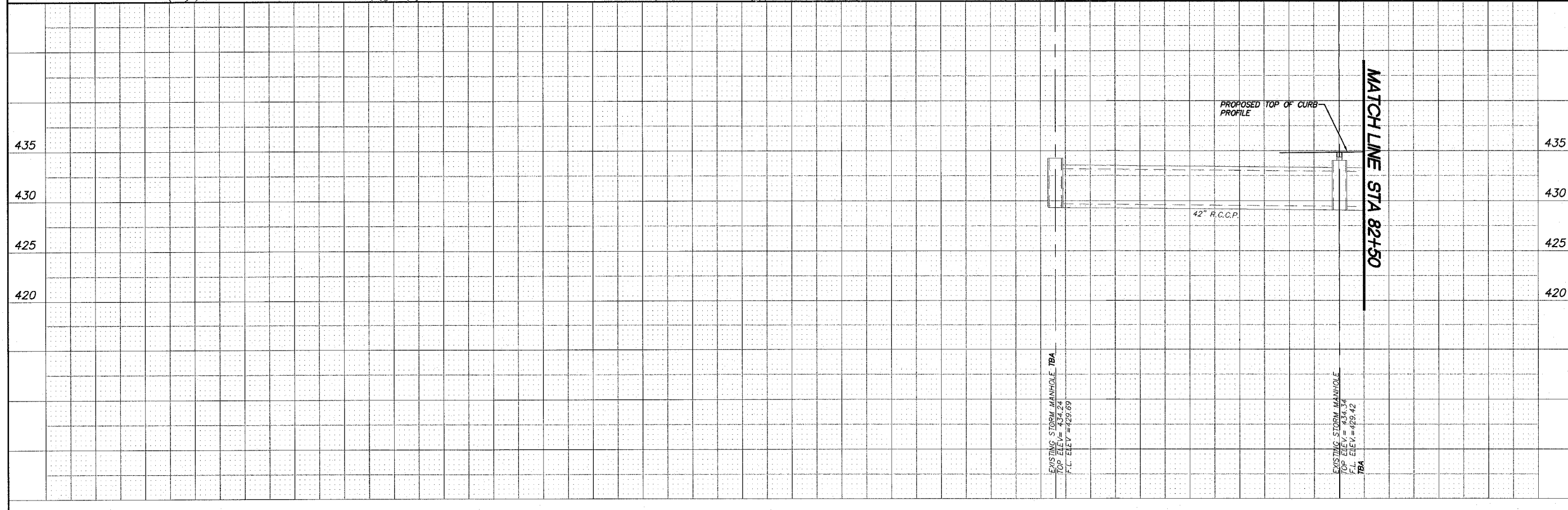
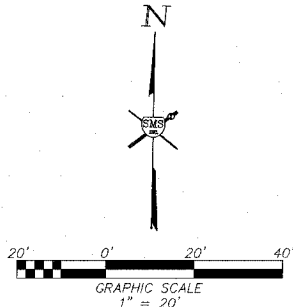
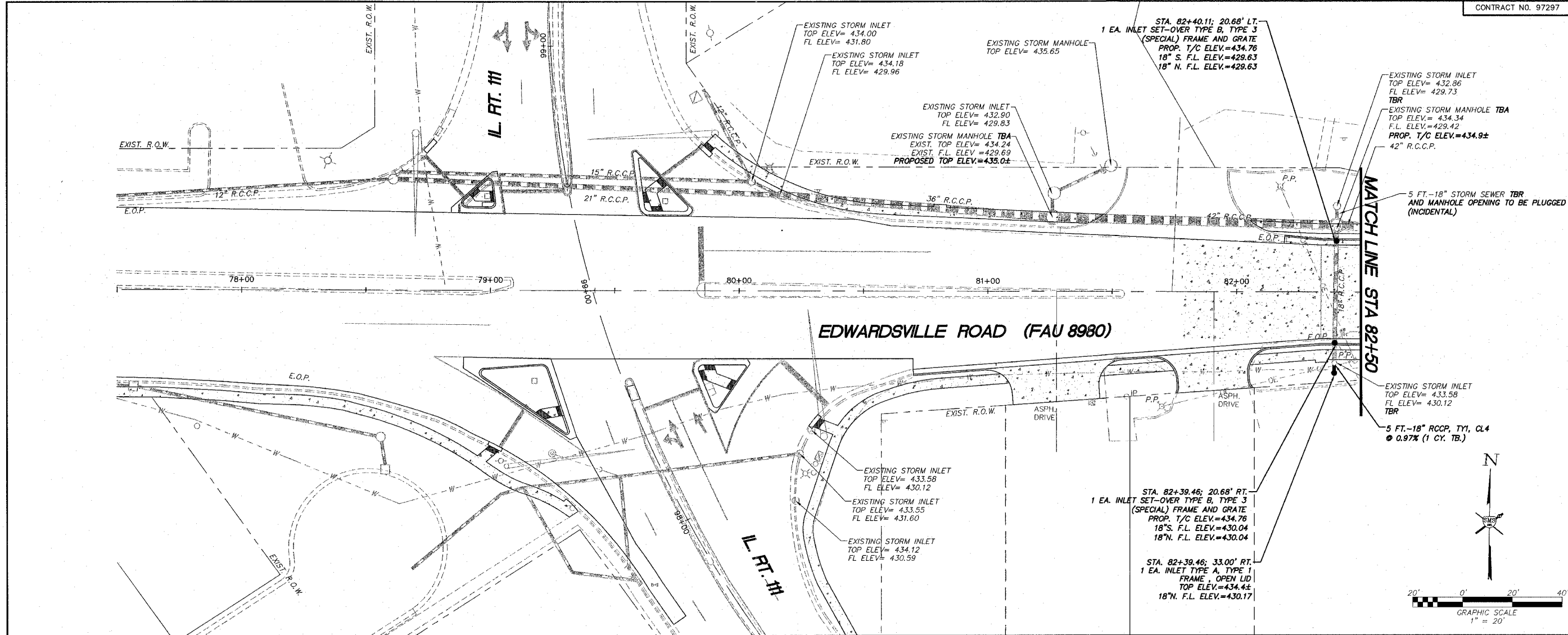
**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
SECTION 05-00043-02-WR  
WOOD RIVER, ILLINOIS  
PLAN PROFILE

DWG. NO.	Edwardsville_road_phs_ii_PP6.dwg
REF. BK.	PG.
JOB NO.	286614
DSN. BY:	CLA
DWN. BY:	CDP/imk
CHK. BY:	JHH
DATE:	JANUARY, 2007
HORIZ. SCALE:	1"=20'
VERT. SCALE:	1"=5'

**SMS ENGINEERS**  
Sheppard, Morgan & Schwaab, Inc.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
115 North State, P.O. Box E, Alton, IL 62002 618/667-0705 E-mail: sms@smsengineers.com  
10 Central National Drive, Geneva, NY, IL 62640 618/827-6700 E-mail: msa@smsengineers.com  
DESIGN FIRM # 184-003992

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\\s-lan-proj\dwg\WOODRIVER\PP6.dwg (286614)\dwg\Edwardsville\_road\_phs\_ii\_PP6.dwg, 2/21/2007 11:22:09 AM, Kennedy, 1/20



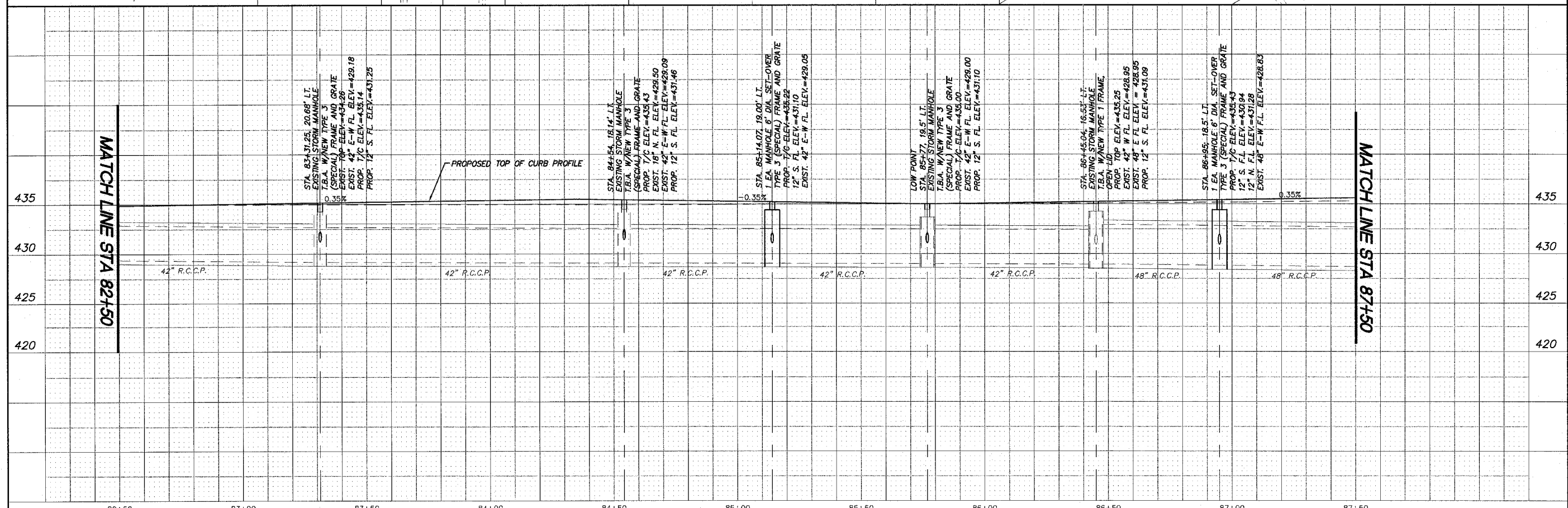
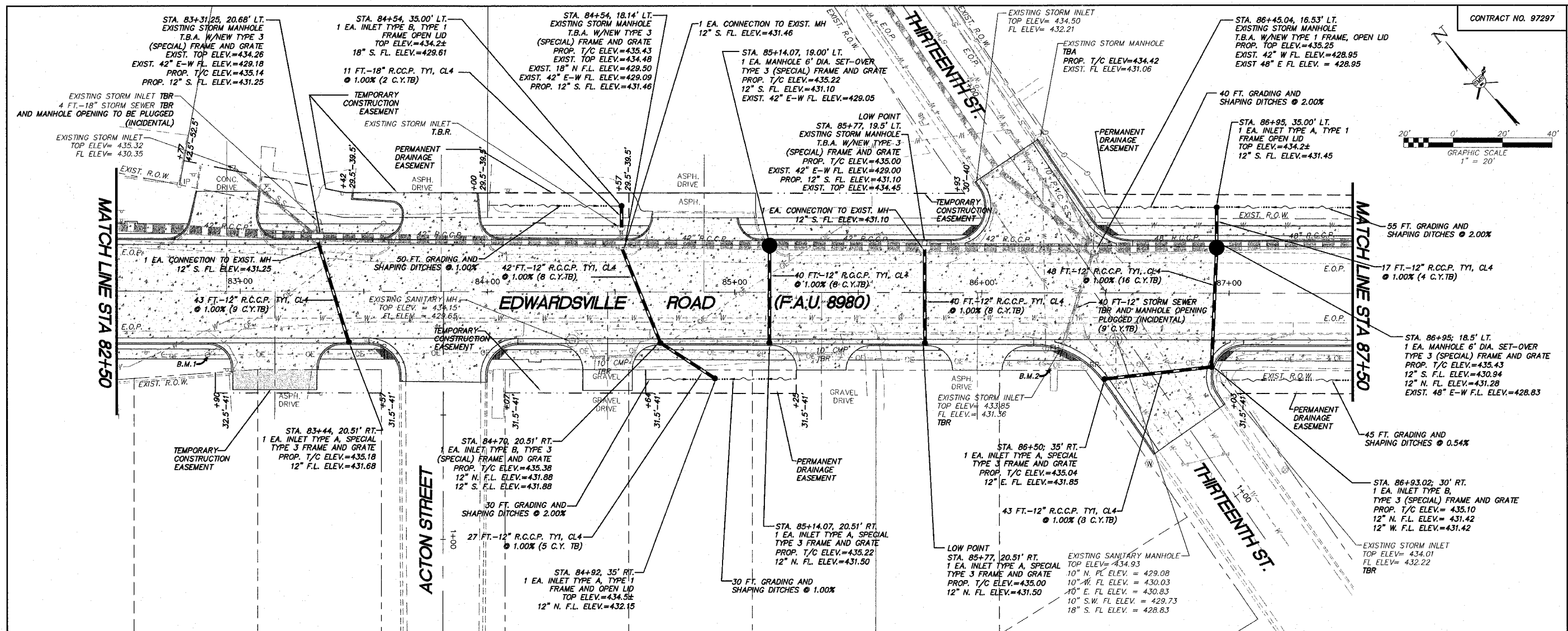
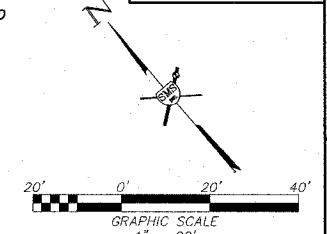
REVISIONS


**SMS** Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 218 North Street, P.O. Box E, Alton, IL 62002 618/457-9755 E-mail: sms@sms-engineers.com  
 10 Central Industrial Drive, Easton, IL 62040 618/877-5700 E-mail: ms@sms-engineers.com  
 DESIGN FIRM # 184-000992

**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**STORM SEWER**

DWG. NO. Edwardsville\_road pha II SANPP3.dwg  
 REF. BK. PG.    
 JOB NO. 286614  
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 DWN. BY: GDP-jmk  
 CHK. BY: JHH  
 DATE: JANUARY, 2007  
 SCALE: HORIZ. 1"=20'  
 VERT. 1"=5'  
 SHEET 18 OF 31

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REVISIONS

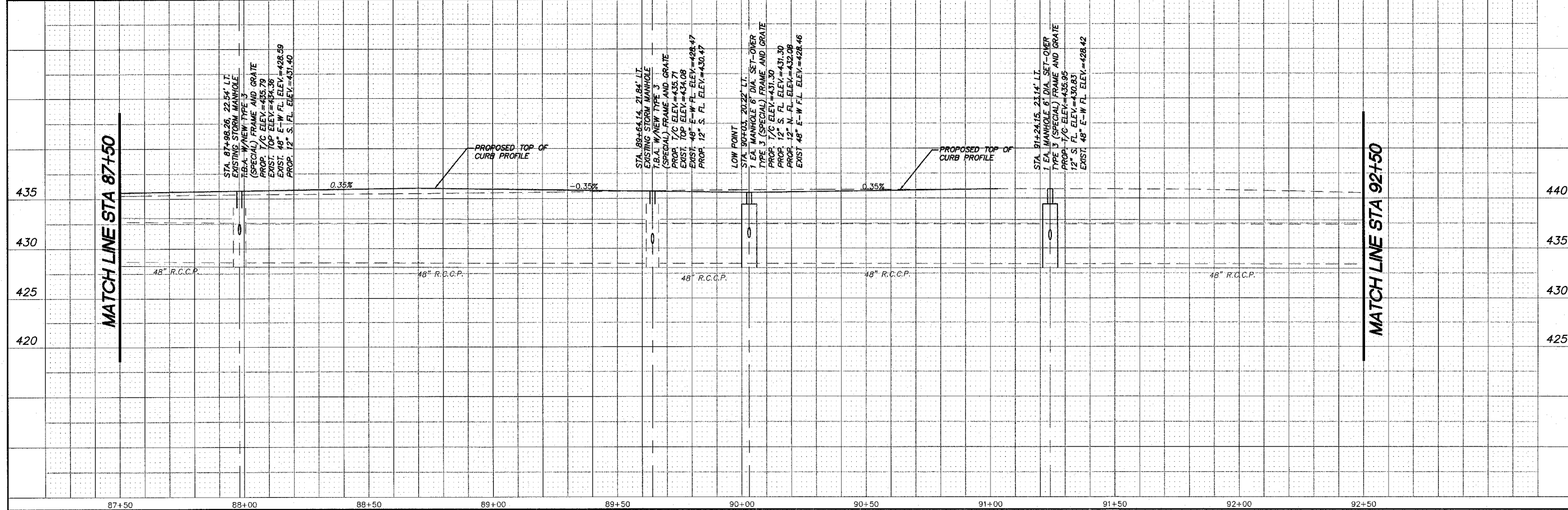
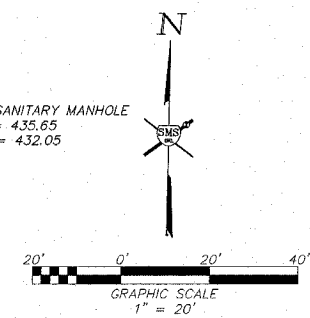
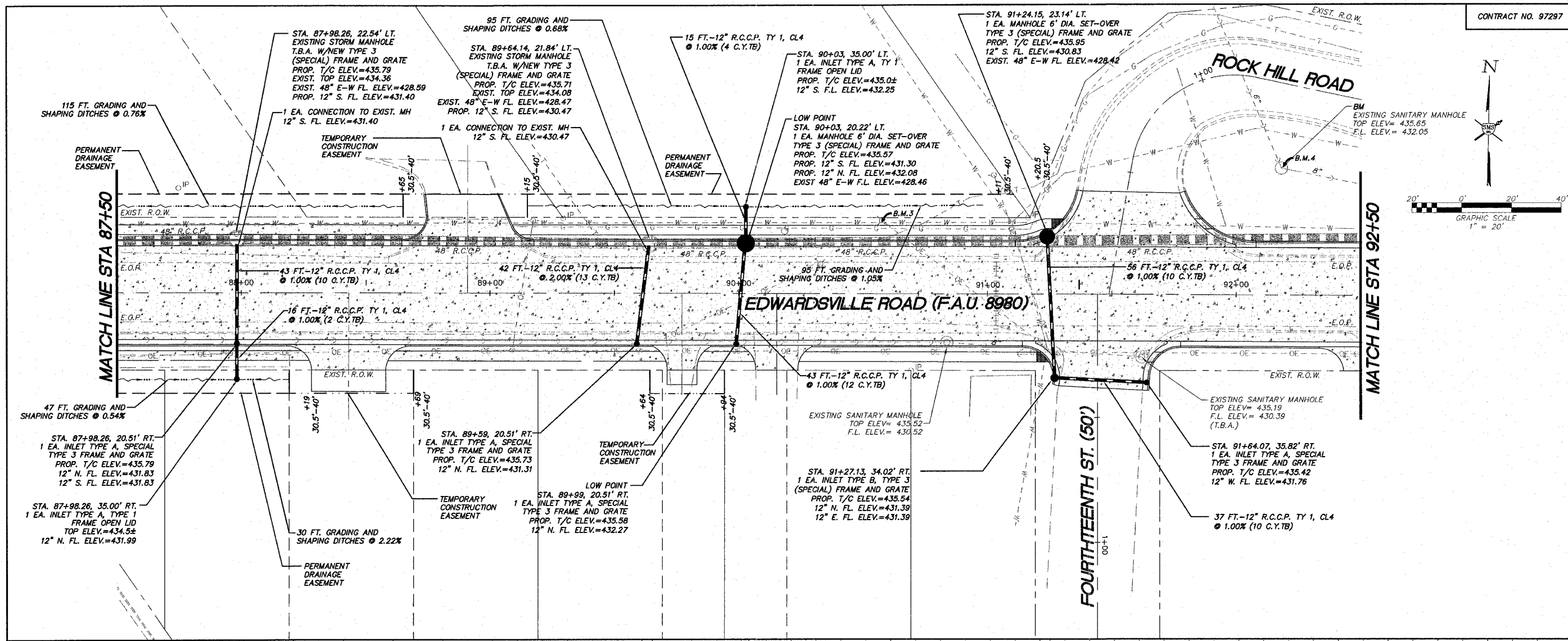
NO.	DESCRIPTION

**SMS ENGINEERS**  
Sheppard, Morgan & Schwab, Inc.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
218 North State, P.O. Box E, Moline, IL 62902 618.428.9755 Email: msh@smsengineers.com  
10 Central Industrial Drive, Central City, IL 62904 618.877.5700  
DESIGN FIRM # 184-008992

**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
SECTION 05-00043-02-WR  
WOOD RIVER, ILLINOIS  
STORM SEWER

DWG. NO. Edwardsville road phs II SANPP4.dwg  
REF. BK. PG.  
JOB NO. 286614  
DSN. BY. CLA  
DWN. BY. CDP-jmk  
CHK. BY. JHH  
DATE: JANUARY, 2007  
SCALE: HORIZ. 1"=20'  
VERT. 1"=5'  
SHEET 19 OF 31

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REVISIONS

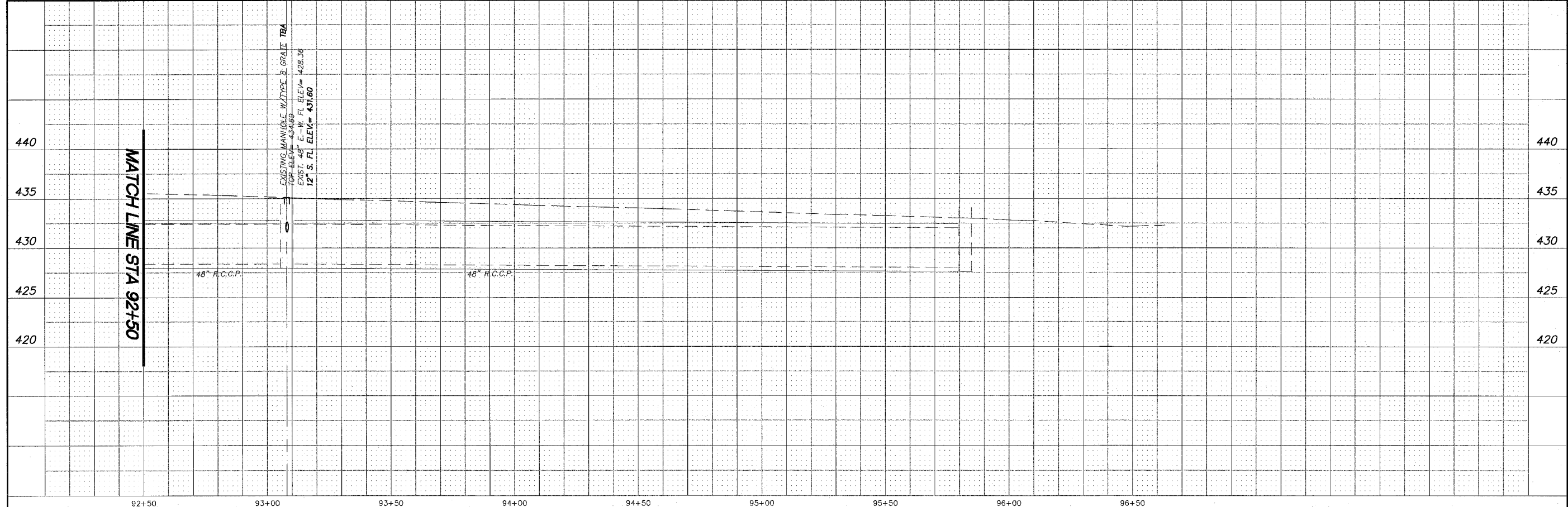
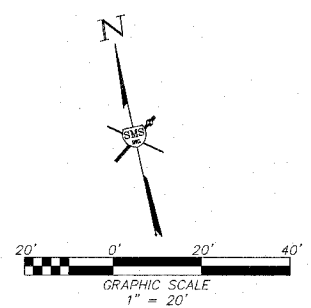
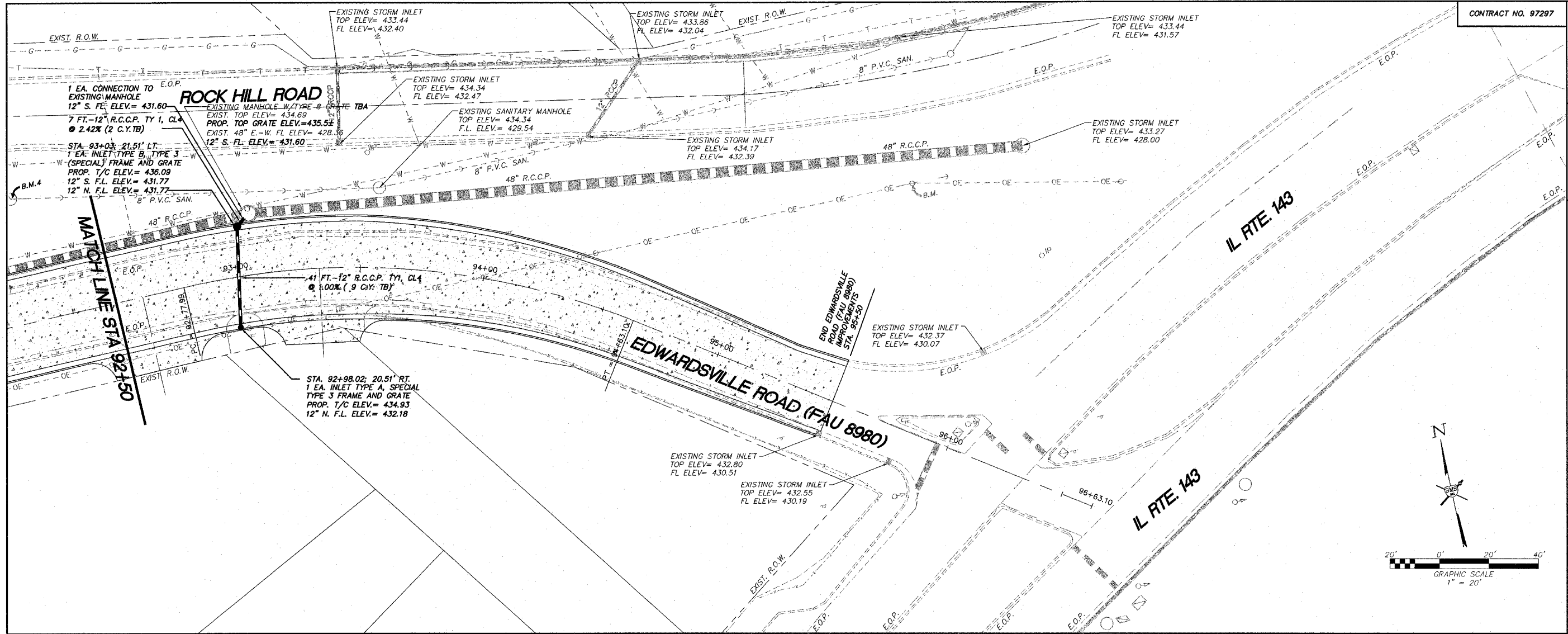

**SMS** Sheppard, Morgan & Schwaab, Inc.  
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 215 Market Street, P.O. Box E, Alton, IL 62002, 618/463-9755, Email: mail@smsengr.com  
 10 Central Industrial Drive, Granite City, IL 62040, 618/877-2700, Email: mail@smsengr.com  
 DESIGN FIRM # 184-00992

**SMS** ENGINEERS

**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**STORM SEWER**

DWG. NO.	Edwardsville_road_phs_ii_SANPP5.dwg
REF. BK.	PG.
JOB NO.	286614
DESIGN BY:	CLA
DRAWN BY:	JLK-JMK
CHECK BY:	JHH
DATE:	JANUARY, 2007
SCALE:	HORIZ. 1"=20' VERT. 1"=5'
SHEET	20 OF 31

g:\land\_projects\W\_RIVER\_PV\286614\fig\Edwardsville\_road\_phs\_ii\_SANPP5.dwg, 2/21/2007 11:33:00 AM, jremedy, 1/20



REVISIONS

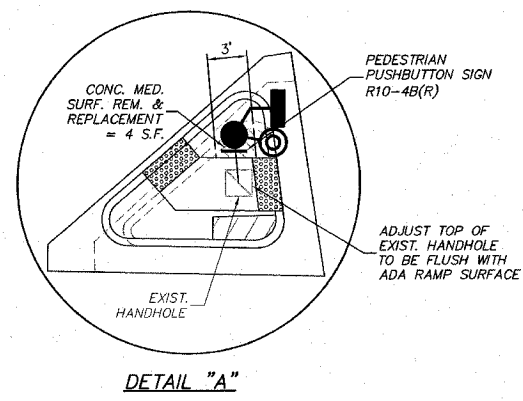
**SMS ENGINEERS**

Sheppard, Morgan & Schwab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
218 North State Street, Suite 200, Chicago, Illinois 60610 Phone: (312) 837-8700 Fax: (312) 837-8701  
 10 Center Inland Drive, Cary, Illinois 60014 Phone: (630) 687-2700 Fax: (630) 687-2701  
 DESIGN FIRM # 184-003992

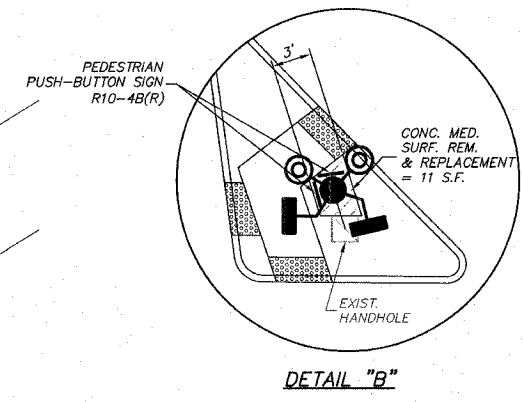
**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**STORM SEWER**

DWG. NO.	Edwardsville road phs II SANPP6.dwg
REF. BK.	PG.
JOB NO.	286614
DSN. BY:	CLA
DWN. BY:	CDP-jmk
CHK. BY:	JHH
DATE:	JANUARY, 2007
SCALE:	HORIZ. 1"=20' VERT. 1"=5'

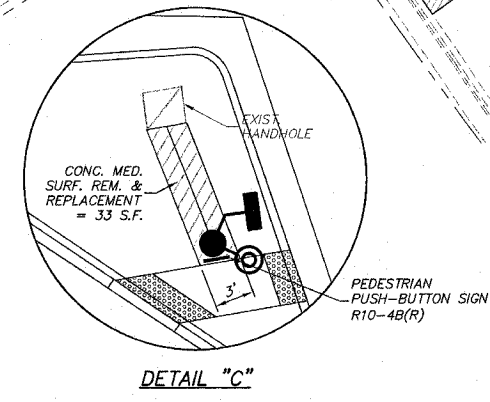
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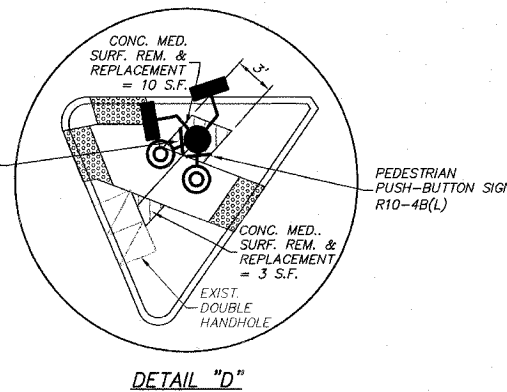
DETAIL "A"



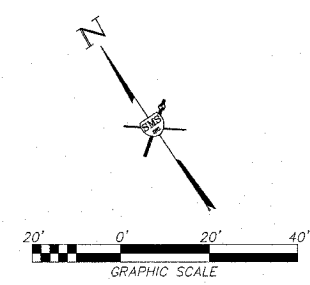
DETAIL "B"



DETAIL "C"



DETAIL "D"

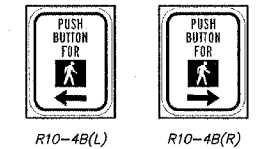
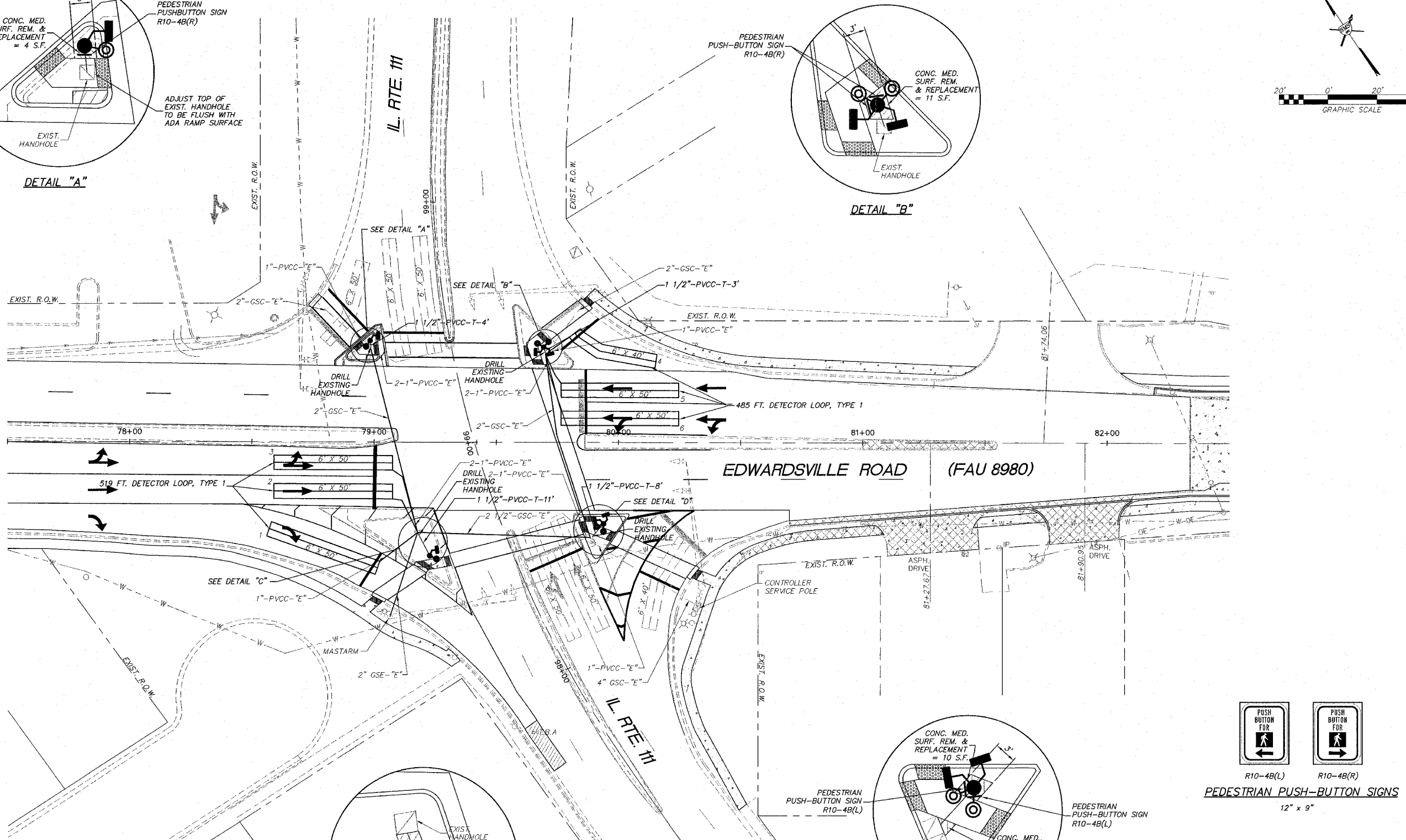


REVISIONS

**SMS** Sheppard, Morgan & Schwaab, Inc.  
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DESIGN FIRM # 184-000992

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Traffic and Transportation Engineers  
St. Louis, Missouri/Glen Carbon, Illinois  
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Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

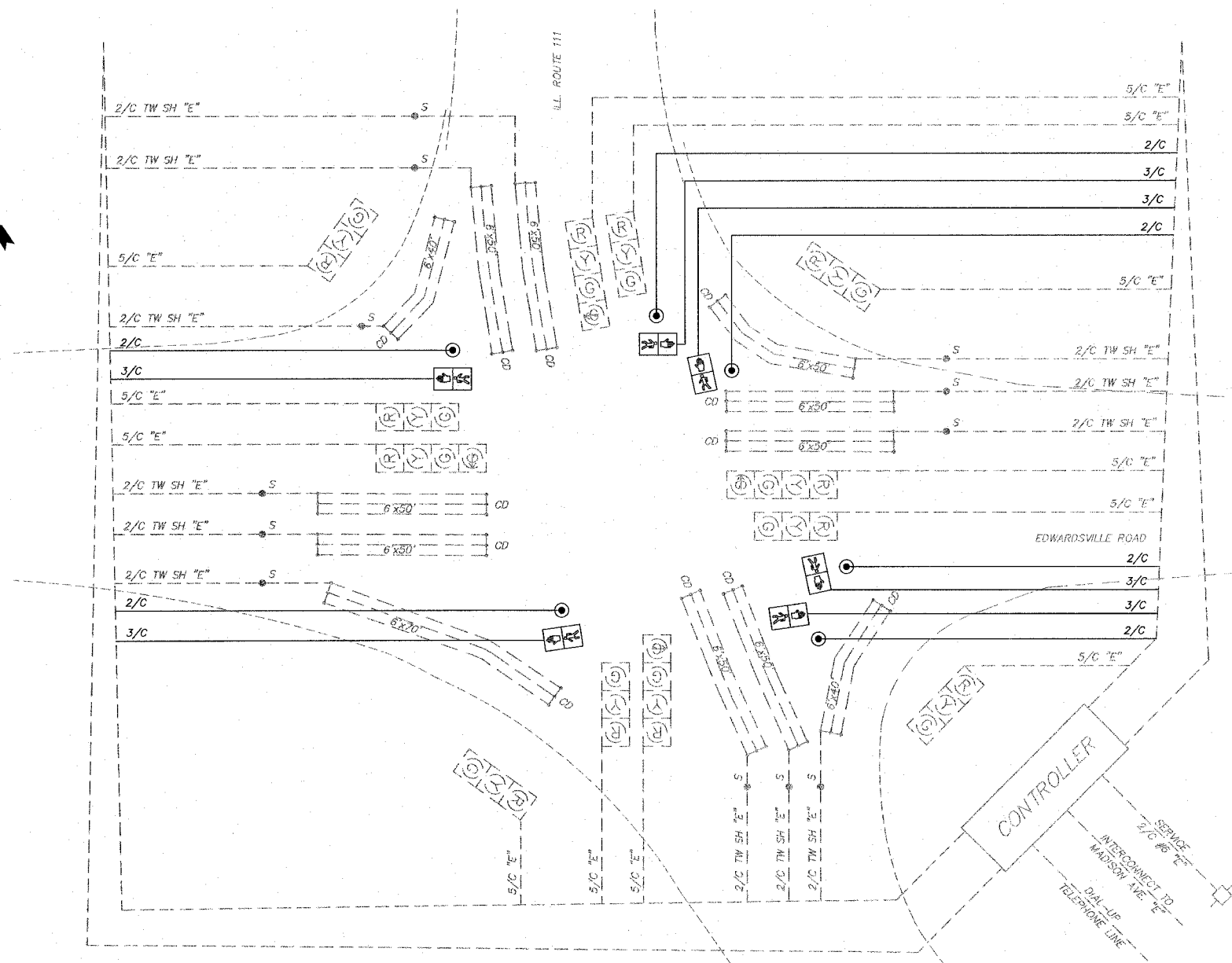
**EDWARDSVILLE ROAD**  
**PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**SIGNAL PLAN**



PEDESTRIAN PUSH-BUTTON SIGNS  
12" x 9"

- TRAFFIC SIGNAL LEGEND**
- EXISTING HANDHOLE
  - TRAFFIC SIGNAL POST, ALUMINUM 10 FT W/ CONCRETE FOUNDATION, TYPE A
  - PROPOSED PEDESTRIAN SIGNAL HEAD
  - PROPOSED ADA PEDESTRIAN PUSHBUTTON
  - PROPOSED CONDUIT
  - EXISTING CONDUIT
  - IN TRENCH

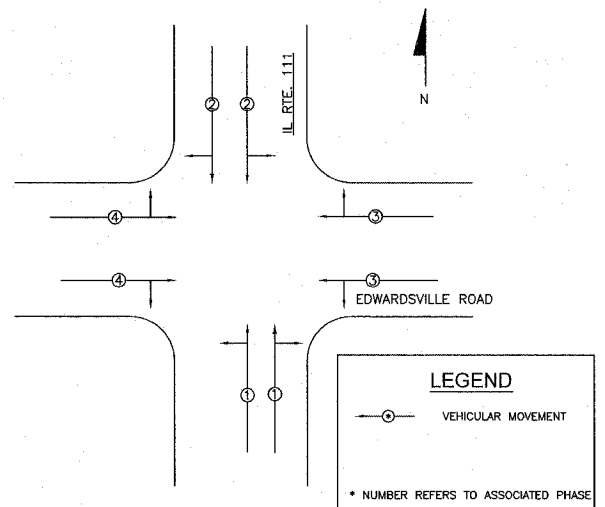
DWG. NO.	Signal Plan.dwg
REF. BK.	PG.
JOB NO.	188-06
DSN. BY:	KW
DWN. BY:	ALT
CHK. BY:	CMB
DATE:	SEPT 26, 2006
SCALE:	HORZ: 1"=20' VERT: 1"=5'
SHEET	22 OF 31



EXISTING/PROPOSED OPERATION								
PHASE $\phi$	1	2	3	4	5	6	7	8
MOVEMENT								
CONCURRENT MOVEMENT PERMITTED	NONE	NONE	NONE	NONE	NOT USED	NOT USED	NOT USED	NOT USED

**CABLE DIAGRAM LEGEND**

- ELECTRIC CABLE IN CONDUIT
- ELECTRIC CABLE IN CONDUIT (EXISTING)
- CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- CD CALL DELAY
- "E" EXISTING
- EXISTING SERVICE INSTALLATION



**INTERSECTION OF IL. RTE. 111 / EDWARDSVILLE ROAD  
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS**

NO.	LOOP	PHASE	LOOP SIZE (FT.)	REQUIRED NO. OF TURNS	LEAD-IN LENGTH (FT.)	CALCULATED INDUCTANCE MICROHENRIES (- $\mu$ H)	CALCULATED RESISTANCE OHMS ( $\Omega$ )
1.	EASTBOUND RT.	4	6x50	3-6-3	145	817.9	2.3
2.	EASTBOUND THRU	4	6x50	3-6-3	140	816.8	2.3
3.	EASTBOUND THRU/LT.	4	6x50	3-6-3	150	819.0	2.3
4.	WESTBOUND RT.	3	6x40	3-6-3	141	667.0	2.0
5.	WESTBOUND THRU	3	6x50	3-6-3	138	816.4	2.3
6.	WESTBOUND THRU/LT.	3	6x50	3-6-3	150	819.0	2.3

**PHASE DESIGNATION DIAGRAM  
IL. RTE. 111 / EDWARDSVILLE ROAD**

**NOTES**

- ALL PEDESTRIAN SIGNAL HEADS SHALL HAVE 12-INCH L.E.D. INDICATIONS. ALL MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SIEZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
- ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER, UNLESS OTHERWISE SPECIFIED, FIELD WIRES SHALL BE CONNECTED AT CONTROLLER OUTPUT TERMINALS USING ILSO SLU-55 CONNECTORS OR EQUIVALENT.
- IN FLASHING MODE, ALL VEHICULAR SIGNAL FACES SHALL FLASH RED.

REVISIONS

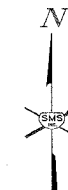
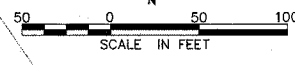
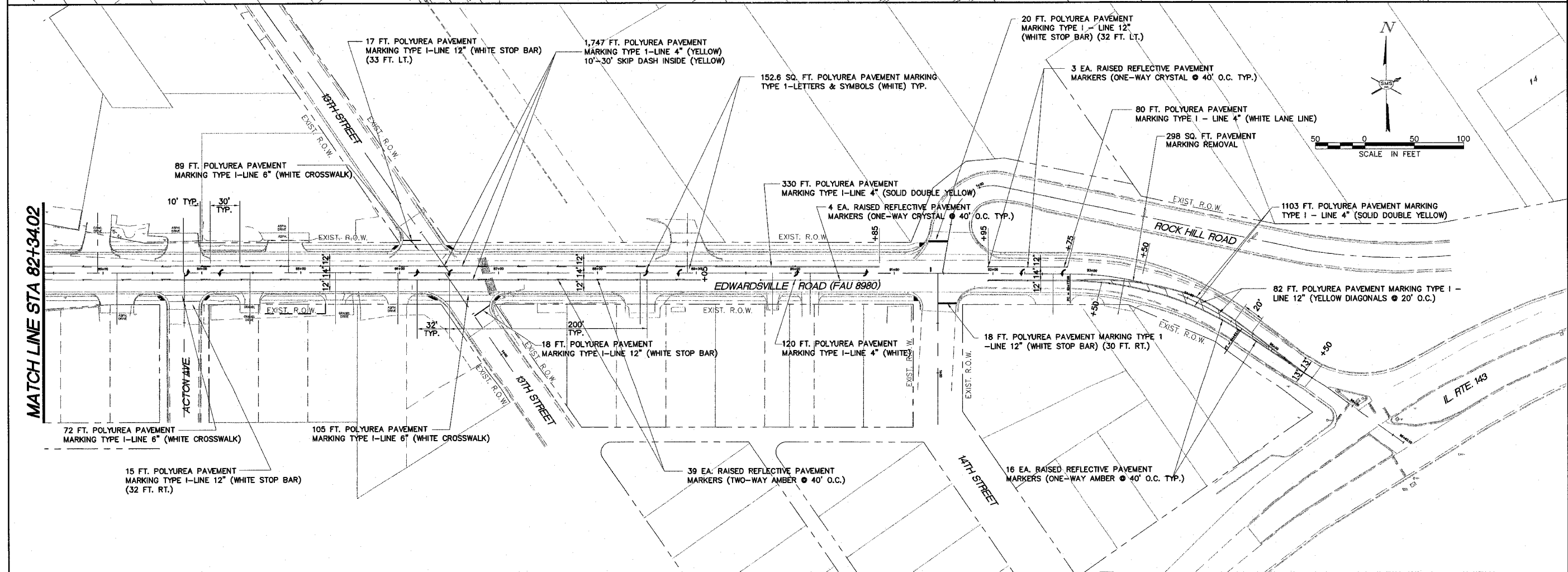
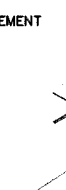
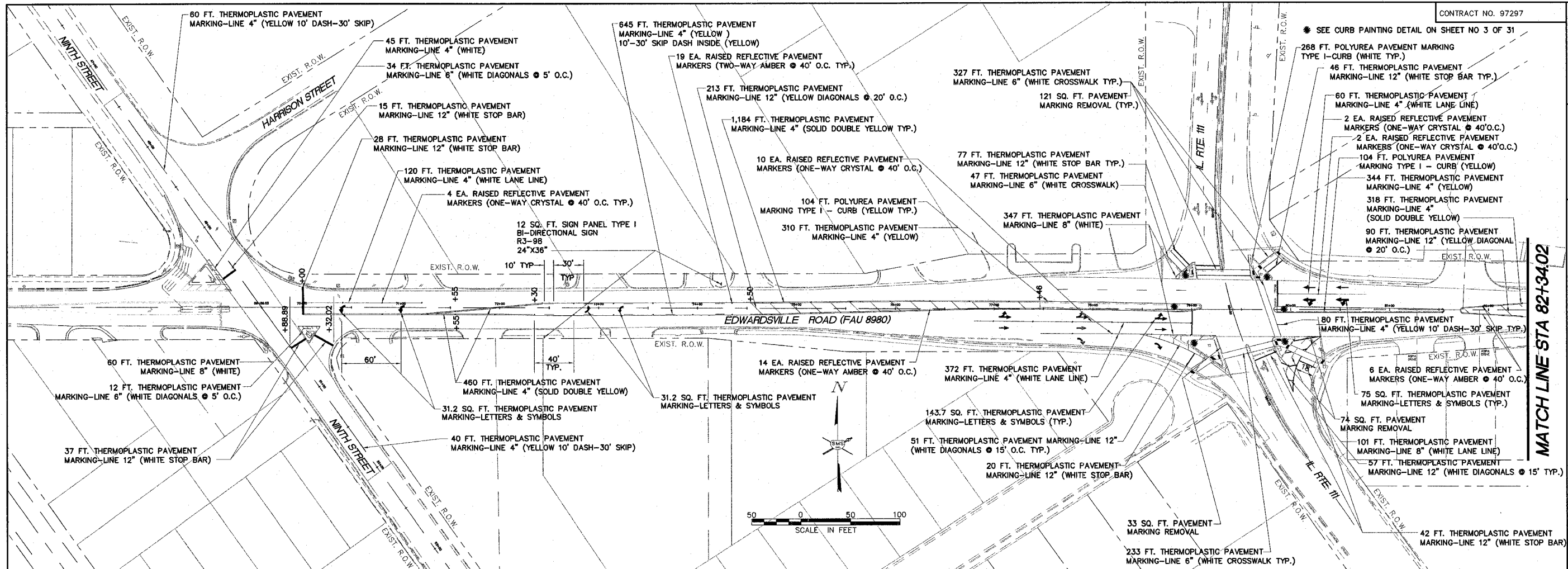

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**EDWARDSVILLE ROAD  
PHASE II (FAU 8980)  
SECTION 05-00043-02-WF  
WOOD RIVER, ILLINOIS  
CABLE DIAGRAM**

DWG. NO. Cable Diagram.dwg  
REF. BK. PG.  
JOB NO. 188-06  
DSN. BY: KW  
DWN. BY: AJT  
CHK. BY: CMB  
DATE: SEPT 28, 2006  
SCALE: HORZ: 1"=20'  
VERT: 1"=5'  
SHEET 23 OF 31

SEE CURB PAINTING DETAIL ON SHEET NO 3 OF 31



REVISIONS

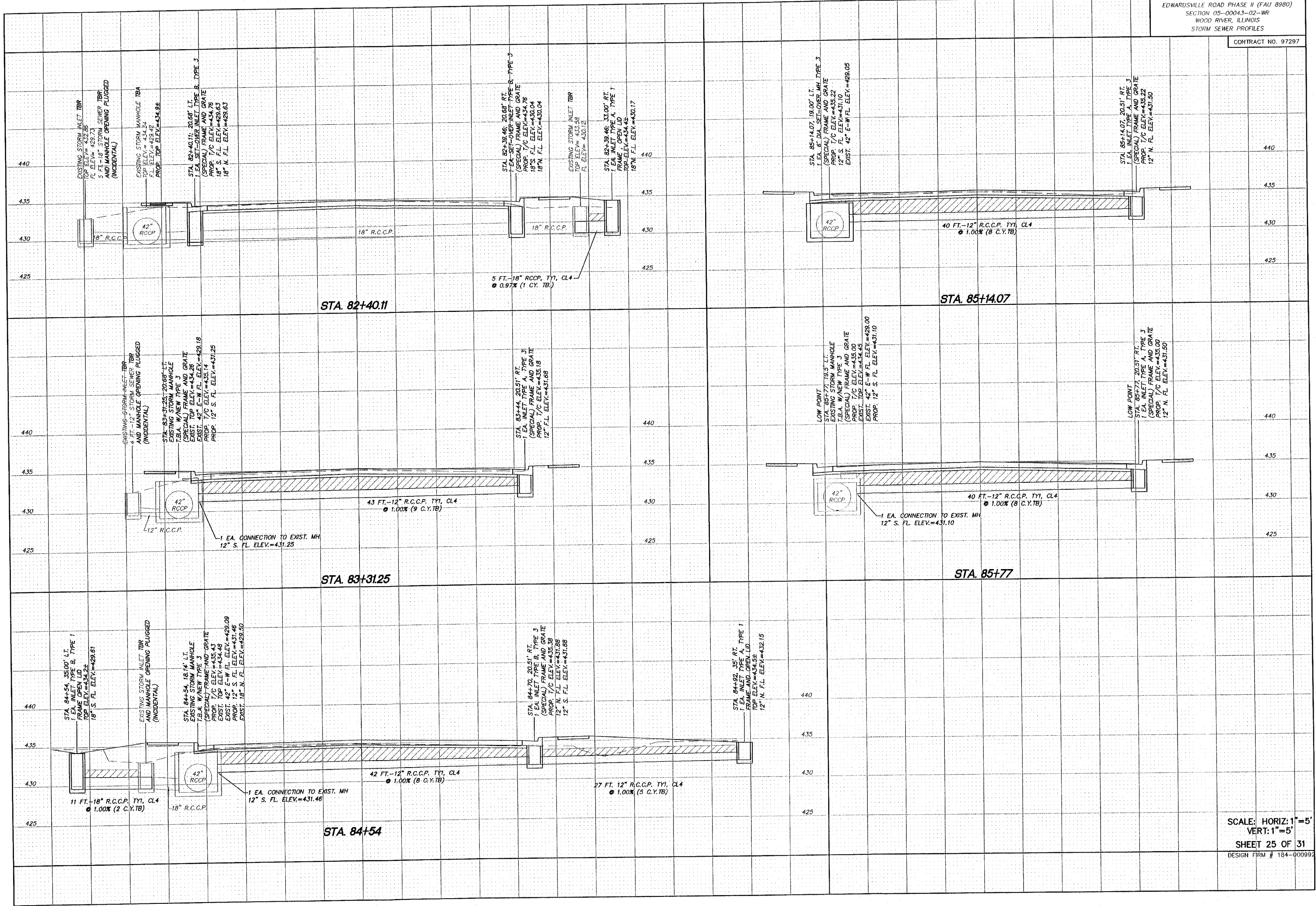
**SMS** Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 1151 North State Street, P.O. Box 1, Wood River, Illinois 62451-0001  
 101 Central Interstate Drive, Granite City, IL 62040 618877-5700 Email: me@smsmsh.com  
 DESIGN FIRM # 184-000992

**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**PAVEMENT MARKING PLAN**

DWG. NO.	STRIPING PLAN PHII 286614.dwg
REF. BK.	PG.
JOB NO.	286614
DSN. BY:	CLA
DWN. BY:	CDP-imk
CHK. BY:	JHH
DATE:	JANUARY, 2007
SCALE:	1"=50'
SHEET	24 OF 31

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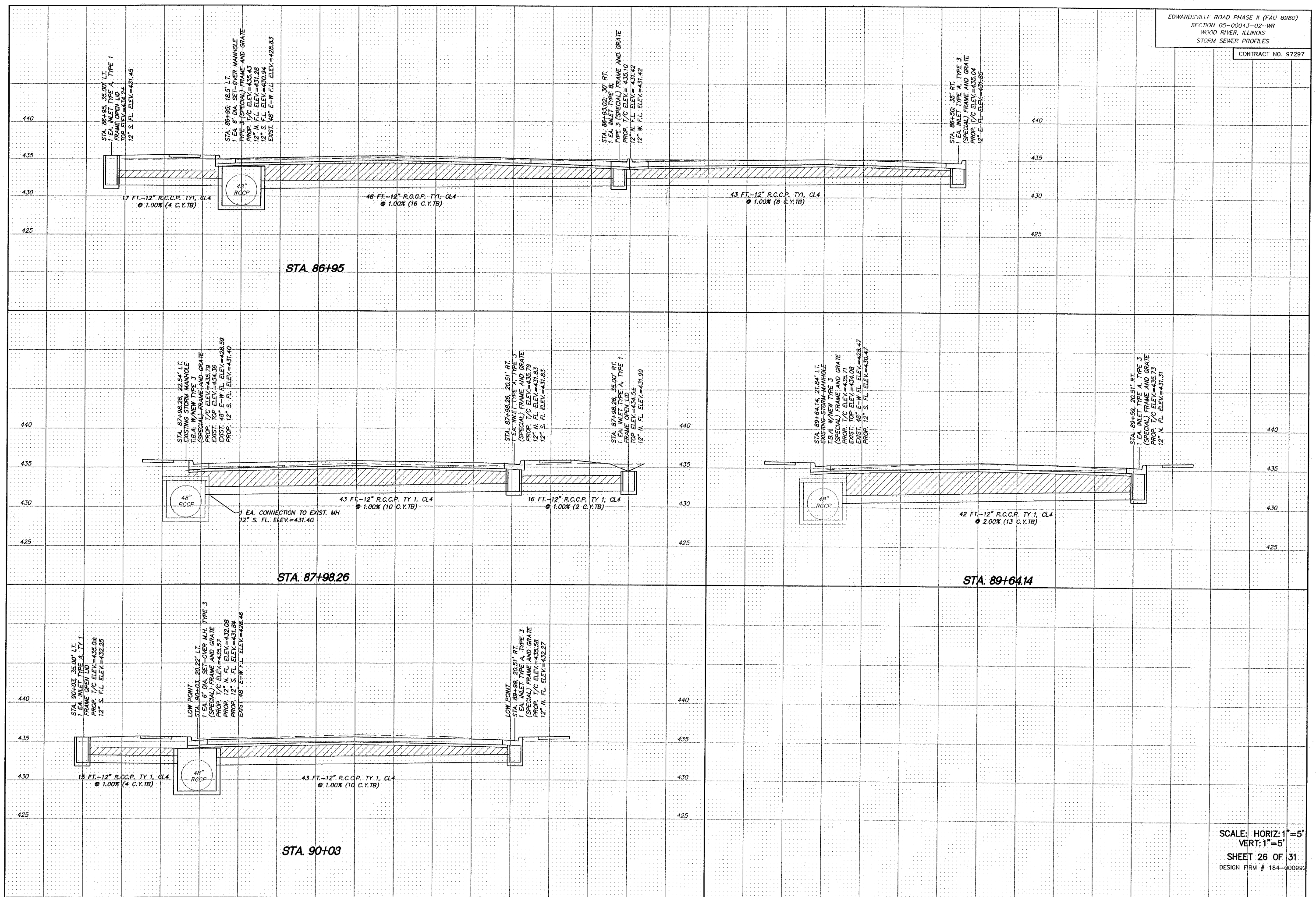


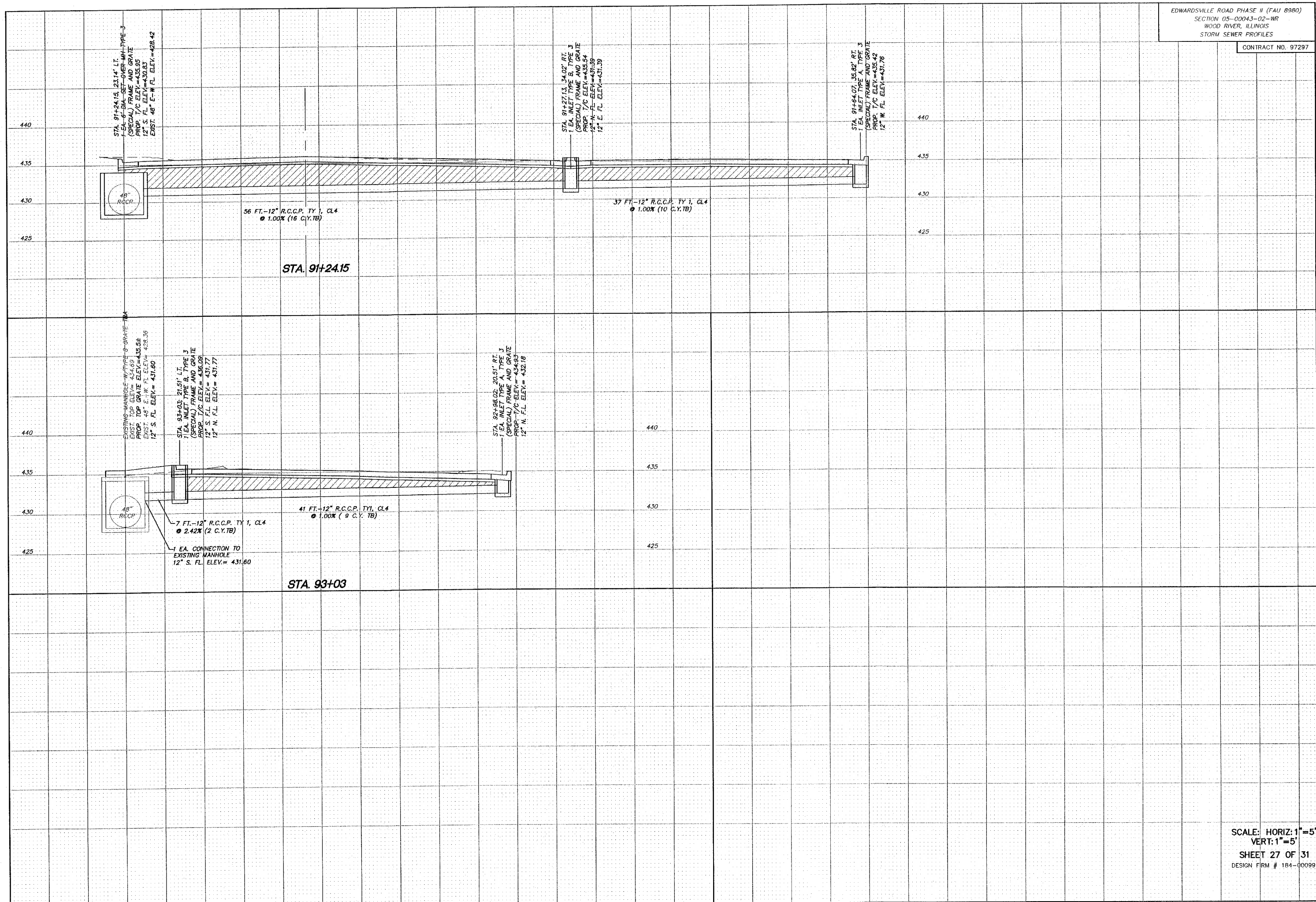


SCALE: HORIZ: 1"=5'  
VERT: 1"=5'  
SHEET 25 OF 31

DESIGN FIRM # 184-000992

I:\projects\W RIVER.PW (28861)\dwg\STORM SECTIONS.dwg, 2/15/2007 5:41:40 PM, kemeedy, 1:5





STA. 91+24.15, 23.14' LT.  
1 EA. 6'-DIA. 567'-OVER MH-TYPE 3  
(SPECIAL) FRAME AND GRATE  
PROP. T/C ELEV.=435.95  
12" S. FL. ELEV.=430.83  
EXIST. 48" E-W FL. ELEV.=428.42

STA. 91+27.13, 34.02' RT.  
1 EA. INLET TYPE B, TYPE 3  
(SPECIAL) FRAME AND GRATE  
PROP. T/C ELEV.=435.54  
12" N-FL. ELEV.=431.39  
12" E. FL. ELEV.=431.39

STA. 91+64.07, 35.82' RT.  
1 EA. INLET TYPE A, TYPE 3  
(SPECIAL) FRAME AND GRATE  
PROP. T/C ELEV.=435.42  
12" W. FL. ELEV.=431.76

56 FT.-12" R.C.C.P. TY 1, CL4  
@ 1.00% (16 C.Y.TB)

37 FT.-12" R.C.C.P. TY 1, CL4  
@ 1.00% (10 C.Y.TB)

STA. 91+24.15

EXISTING MANHOLE W/TYPE 3 GRATE  
EXIST. TOP ELEV.= 434.69  
PROP. TOP GRATE ELEV.=435.54  
EXIST. 48" E-W FL. ELEV.= 428.36  
12" S. FL. ELEV.= 431.60

STA. 93+03, 21.91' LT.  
1 EA. INLET TYPE B, TYPE 3  
(SPECIAL) FRAME AND GRATE  
PROP. T/C ELEV.= 436.09  
12" S. FL. ELEV.= 431.77  
12" N. FL. ELEV.= 431.77

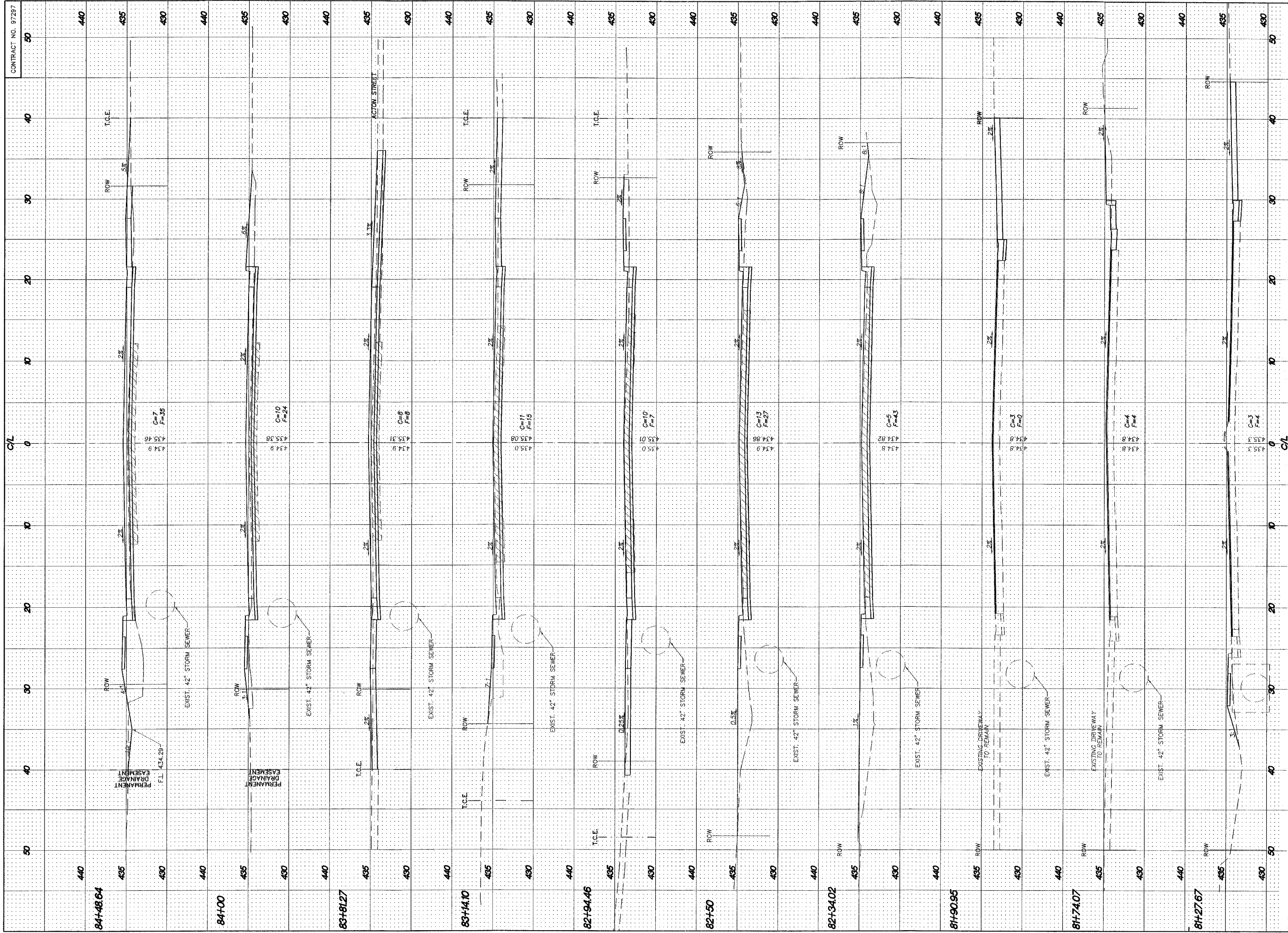
STA. 92+98.02, 20.51' RT.  
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(SPECIAL) FRAME AND GRATE  
PROP. T/C ELEV.= 434.93  
12" N. FL. ELEV.= 432.18

7 FT.-12" R.C.C.P. TY 1, CL4  
@ 2.42% (2 C.Y.TB)

41 FT.-12" R.C.C.P. TY 1, CL4  
@ 1.00% (9 C.Y.TB)

1 EA. CONNECTION TO  
EXISTING MANHOLE  
12" S. FL. ELEV.= 431.60

STA. 93+03



EDWARDSVILLE ROAD PHASE II (FAU 8980)  
 SECTION 05-00043-02-WF  
 WOOD RIVER, ILLINOIS  
 CROSS SECTIONS

DWG. NO.  
 X-sec sheets.dwg  
 REF. BK. PG.  
 JOB NO. 286614  
 DSN. BY: CLA  
 DWN. BY: JLK-JMK  
 CHK. BY: JHH  
 DATE: JANUARY, 2007  
 SCALE: HORIZ. 1" = 5'  
 VERT. 1" = 5'  
 SHEET 28 OF 31

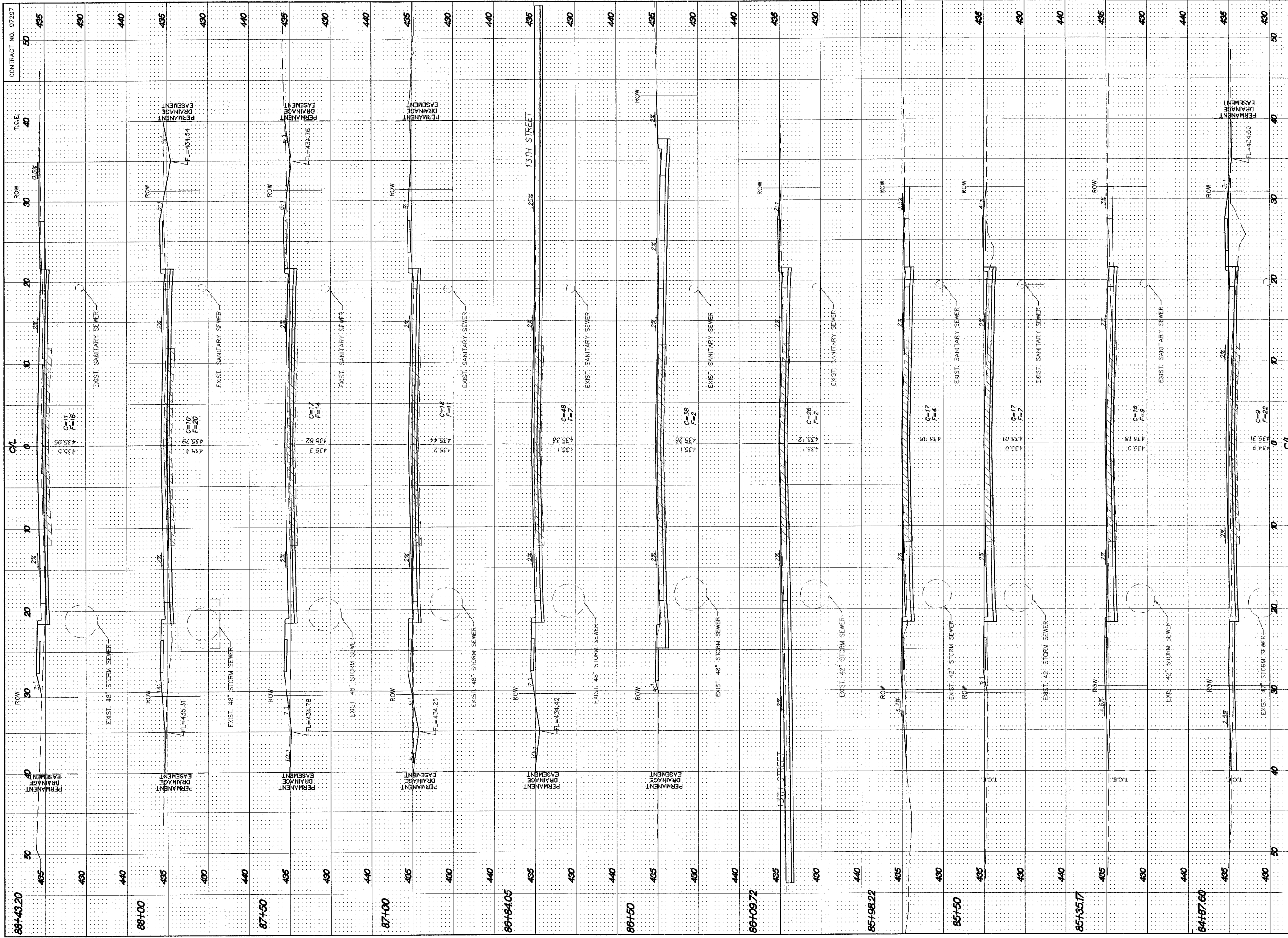
NO.	REVISIONS

**SMS ENGINEERS**  
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 10 Central Industrial Drive, Granite City, IL 62040-6187/6106 E-mail: mail@smsengineers.com  
 DESIGN FIRM # 184-000992

CONTRACT NO. 97287

C/L

C/L

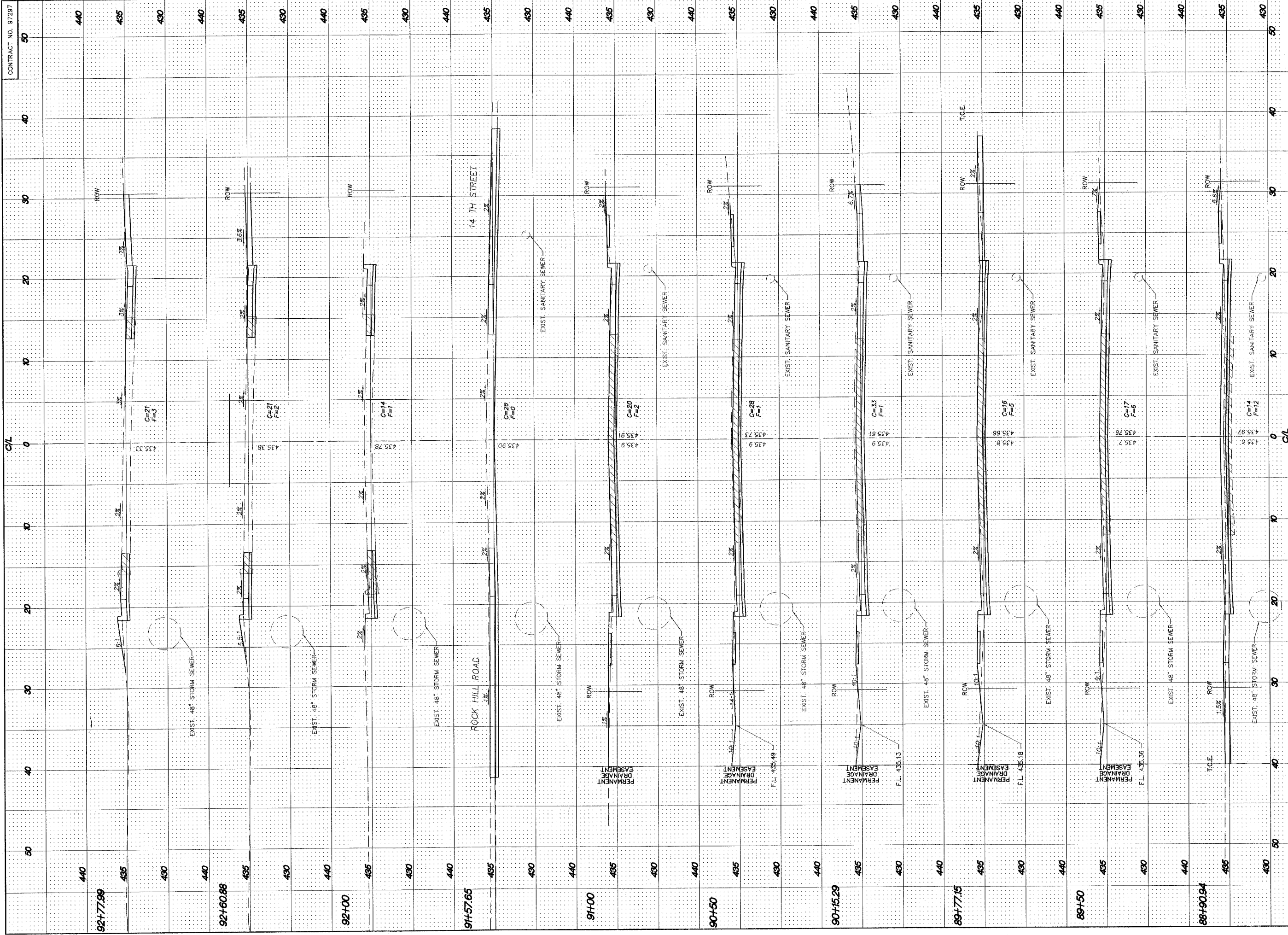


NO.	REVISIONS

**SMS ENGINEERS**  
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 DESIGN FIRM # 184-000992

**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**CROSS SECTIONS**

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REF. BK.	PG.
JOB NO.	286614
DSN. BY:	CLA
DWN. BY:	JLK-JMK
CHK. BY:	JHT
DATE:	JANUARY, 2007
SCALE:	HORIZ. 1" = 5'
	VERT. 1" = 5'
SHEET	29 OF 31



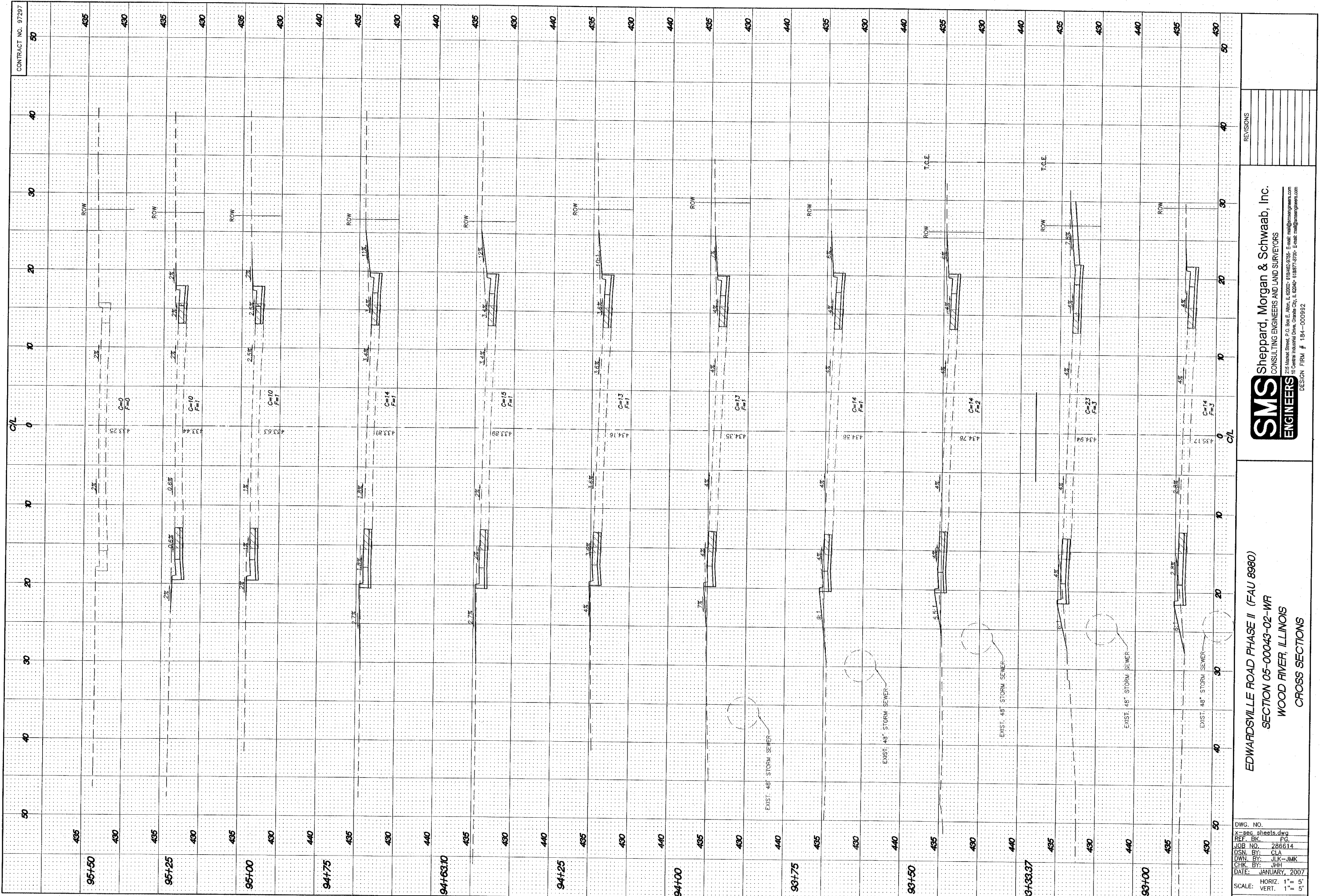
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 DWN. BY: JJK/JMK  
 CHK. BY: JHH  
 DATE: JANUARY, 2007  
 SCALE: HORIZ. 1" = 5'  
 VERT. 1" = 5'  
 SHEET 30 OF 31

**EDWARDSVILLE ROAD PHASE II (FAU 8980)**  
**SECTION 05-00043-02-WR**  
**WOOD RIVER, ILLINOIS**  
**CROSS SECTIONS**

REVISIONS

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 DESIGN FIRM # 184-000992

CONTRACT NO. 97297



CONTRACT NO. 97297

EDWARDSVILLE ROAD PHASE II (FAU 8980)  
SECTION 05-00043-02-WR  
WOOD RIVER, ILLINOIS  
CROSS SECTIONS

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DESIGN FIRM # 184-000992

REVISIONS


DWG. NO.  
x-sec sheets.dwg  
REF. BK. PG.  
JOB NO. 286614  
DSN. BY: CLA  
DWN. BY: JLK-JMK  
CHK. BY: JHH  
DATE: JANUARY, 2007  
SCALE: HORIZ. 1" = 5'  
VERT. 1" = 5'  
SHEET 31 OF 31