

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9002	03-00218-00-WR	MADISON	38	1
MADISON COUNTY ILLINOIS		FED. AID PROJECT		
CONTRACT NO. 97278				

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY  
CITY OF ALTON  
F.A.U. ROUTE 9002  
FOSTERBURG ROAD-PHASE 1  
SECTION 03-00218-00-WR  
MADISON COUNTY  
PROJECT NO. M-5011(194)  
JOB NO. C-98-305-06**

THIS PROJECT IS LOCATED IN SECTION 4, TOWNSHIP 5 NORTH, RANGE 9 AND SECTION 33 TOWNSHIP 6 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

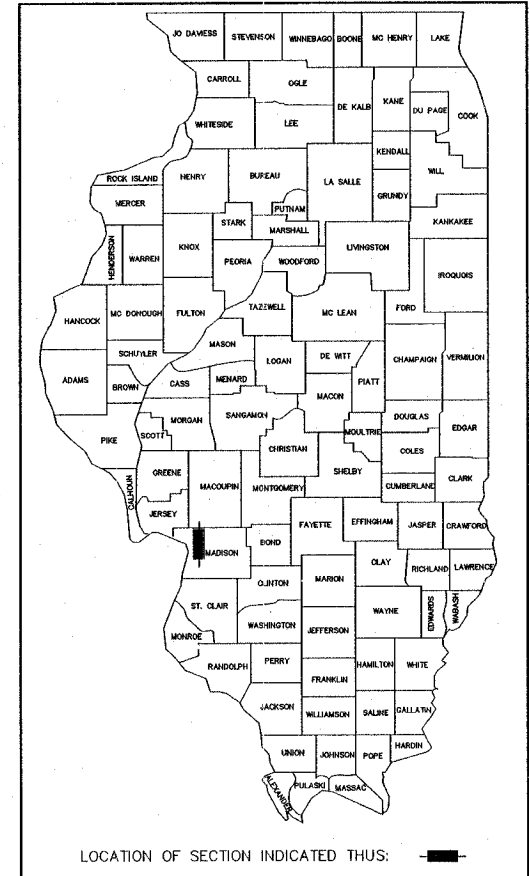
**GAS & ELECTRIC:**  
AMEREN U.E. COMPANY  
700 OAKWOOD AVENUE  
ALTON, ILLINOIS 62002  
(618) 463-4043 GAS  
(618) 463-4051 ELEC.

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

**WATER:**

ILLINOIS AMERICAN WATER CO.  
4436 INDUSTRIAL DRIVE  
ALTON, ILLINOIS 62002  
(618) 644-9429

**SANITARY & STORM SEWERS:**  
ALTON PUBLIC WORKS DEPARTMENT  
2 EMMA KAUS LANE  
ALTON, ILLINOIS 62002  
(618) 466-3133

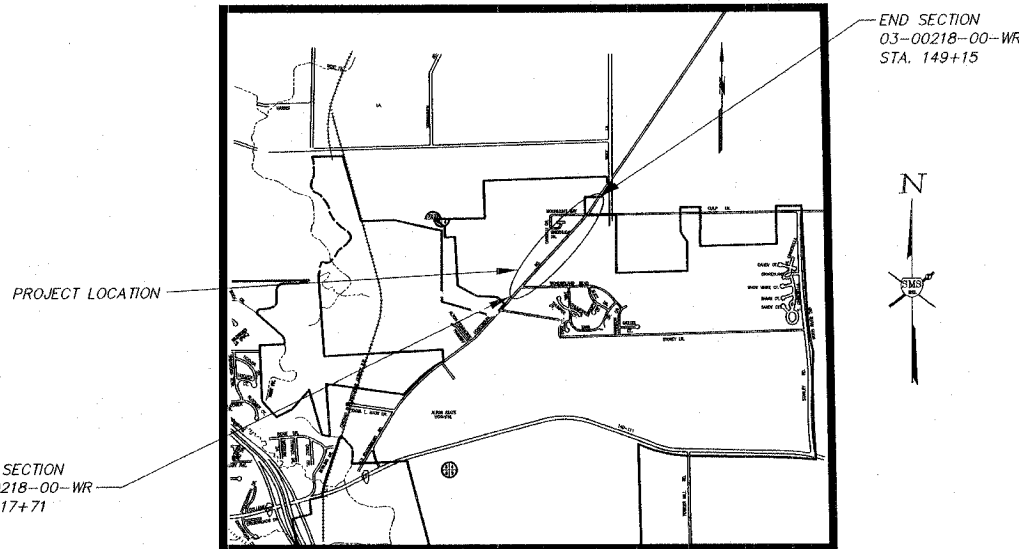


**INDEX TO SHEETS**

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- 5.-8. TRAFFIC CONTROL PLAN
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**HIGHWAY STANDARDS**

280001-02	630001-06
420701-01	631011-02
442101-05	701006-02
442201-01	701201-02
542301	701306-01
542401	701501-03
602301-01	701701-04
602306-01	702001-06
602401-01	720001
602601	720006
602701-01	720011
604001-02	729001
604066-01	780001-01
606001-02	781001-02
606201	



**LOCATION MAP**

SCALE: 1" = 1000'

TOTAL LENGTH OF PROJECT = 3,144 FT. = 0.595 MILES

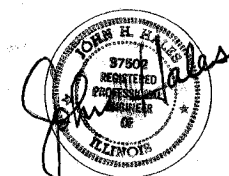


Sheppard, Morgan & Schwaab, Inc.

CONSULTING ENGINEERS & LAND SURVEYORS

215 Market Street  
Alton, Illinois 62002  
618/432-9755

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



DATED: JANUARY, 2006  
EXPIRES: NOVEMBER 30, 2007

ROADWAY CLASSIFICATION = (MINOR ARTERIAL)  
DESIGN SPEED = 45 M.P.H.  
CONTRACT NO. 97278

APPROVED March 8 2006  
*Donald E. Sandidge*  
MAYOR, ALTON, ILLINOIS

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PASSED April 2 2006  
*Jennyfer Coertino*  
LOCAL ROADS AND STREETS ENGINEER

---

APPROVED April 12 2006  
*Mary C. Lamie*  
Mary C. Lamie P.E.  
Deputy Director of Highways  
Region Five Engineer

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SUMMARY OF QUANTITIES**

Z000-2#

CODE NO.	ITEM	UNIT	Quantity
20200100	Earth Excavation	Cu. Yd.	1,894
20201200	Removal and Disposal of Unsuitable Material	Cu. Yd.	1,000
20400800	Furnished Excavation	Cu. Yd.	1,023
20800150	Trench Backfill	Cu. Yd.	753
21400100	Grading and Shaping Ditches	Foot	1,689
25000115	Seeding Class 1B	Acre	2.5
25000400	Nitrogen Fertilizer Nutrient	Pound	338
25000500	Phosphorus Fertilizer Nutrient	Pound	202
25000600	Potassium Fertilizer Nutrient	Pound	135
25000700	Agricultural Ground Limestone	Ton	5
25100115	Mulch Method 2	Acre	2.5
28000300	Temporary Ditch Checks	Each	13
28000400	Perimeter Erosion Barrier	Foot	1,045
28000500	Inlet and Pipe Protection	Each	5
28100107	Stone Riprap, Class A4	Sq. Yd.	49
28200200	Filter Fabric	Sq. Yd.	49
40200800	Aggregate Surface Course, Type B	Ton	5
40600100	Bituminous Materials (Prime Coat)	Gallon	2,418
40600300	Aggregate (Prime Coat)	Ton	49
40600980	Bituminous Surface Removal - Butt Joint	Sq. Yd.	729
42000300	Portland Cement Concrete Pavement, 8"	Sq. Yd.	420
42001200	Pavement Fabric	Sq. Yd.	635
42300200	Portland Cement Concrete Driveway Pavement, 6"	Sq. Yd.	148
42300400	Portland Cement Concrete Driveway Pavement, 8"	Sq. Yd.	359
44000100	Pavement Removal	Sq. Yd.	868
44000200	Driveway Pavement Removal	Sq. Yd.	1,410
44000400	Gutter Removal	Foot	87
44000500	Combination Curb and Gutter Removal	Foot	134
44201076	Class B Patches, Type II	Sq. Yd.	472
44201078	Class B Patches, Type III	Sq. Yd.	137
44201080	Class B Patches, Type IV	Sq. Yd.	78
44201978	Class D Patches, Type III	Sq. Yd.	23
44213200	Saw Cuts	Foot	1,915
44300200	Strip Reflective Crack Control Treatment	Foot	9,432
48202600	Bituminous Shoulders, Superpave, 8"	Sq. Yd.	5,005
50105200	Remove Existing Culverts	Each	18
542A0220	Pipe Culverts, Class A, Type I, 15"	Foot	28
542A0223	Pipe Culverts, Class A, Type I, 18"	Foot	68
542C0217	Pipe Culverts, Class C, Type I, 12"	Foot	70
542C0220	Pipe Culverts, Class C, Type I, 15"	Foot	42
54213667	Precast Reinforced Concrete Flared End Sections, 12"	Each	3
54213660	Precast Reinforced Concrete Flared End Sections, 15"	Each	1
54213663	Precast Reinforced Concrete Flared End Sections, 18"	Each	2
54213666	Precast Reinforced Concrete Flared End Sections, 21"	Each	1
54215547	Metal End Sections, 12"	Each	7
54215550	Metal End Sections, 15"	Each	6
550B0050	Storm Sewers, Class B, Type I, 12"	Foot	20
55019500	Storm Sewers, Type I, Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe, Class IV, 12"	Foot	1,942
55019600	Storm Sewers, Type I, Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe, Class IV, 15"	Foot	2,228
55019700	Storm Sewers, Type I, Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe, Class IV, 18"	Foot	200
55019800	Storm Sewers, Type I, Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe, Class IV, 21"	Foot	10
55021800	Storm Sewers, Type 2, Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe, Class III, 18"	Foot	5
55021900	Storm Sewers, Type 2, Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe, Class III, 21"	Foot	63
55100500	Storm Sewer Removal, 12"	Foot	75
60219500	Manholes, Type A, 4' Diameter, Type 15 Frame and Lid	Each	1
60228110	Manholes, Sanitary, 4' Diameter, Type 1 Frame, Closed Lid	Each	1
60237000	Inlets, Type A, Type 15 Frame and Lid	Each	3
60240215	Inlets, Type B, Type 1 Frame, Closed Lid	Each	2
60240320	Inlets, Type B, Type 15 Frame and Lid	Each	22
60255500	Manholes to be Adjusted	Each	10
60500060	Removing Inlets	Each	4
60600095	Class SI Concrete (Outlet)	Cu. Yd.	42
60602800	Concrete Gutter, Type B	Foot	4,571
60604400	Combination Concrete Curb and Gutter, Type B-6.18	Foot	16
60605000	Combination Concrete Curb and Gutter, Type B-6.24	Foot	21
60605400	Combination Concrete Curb and Gutter, Type B-6.24 (Special)	Foot	94
63000000	Steel Plate Beam Guardrail, Type A	Foot	687
63100045	Traffic Barrier Terminal, Type 2	Each	2
63100167	Traffic Barrier Terminal, Type 1 Special (Tangent)	Each	2
67000400	Engineer's Field Office, Type A	Cal. Mo.	15
67100100	Mobilization	L. Sum	1
70101700	Traffic Control and Protection	L. Sum	1
70300100	Short-Term Pavement Marking	Foot	670
70300625	Temporary Paint Pavement Marking - Line 4"	Foot	20,664
70301000	Work Zone Pavement Marking Removal	Sq. Ft.	6,888
78000100	Thermoplastic Pavement Marking - Letters and Symbols	Sq. Ft.	390
78000200	Thermoplastic Pavement Marking - Line 4"	Foot	16,141
78000600	Thermoplastic Pavement Marking - Line 12"	Foot	384
78100100	Raised Reflective Pavement Marker	Each	175
78300200	Raised Reflective Pavement Marker Removal	Each	86
78300405	Thermoplastic Pavement Marking Removal	Foot	10,183
XX000501	Subgrade Strengthening Aggregate	Ton	2,000
XX000541	Exploratory Excavation	Cu. Yd.	200
XX000656	Mailbox Removal and Relocation	Each	11
XX004949	Incidental Bituminous Surfacing, Superpave	Ton	121
XX104100	Connection to Existing Manhole	Each	1
X0301766	Drill and Grout #6 Tie Bars	Each	33
X3550500	Bituminous Base Course Superpave, 8"	Sq. Yd.	4,959
X4066414	Bituminous Concrete Surface Course, Superpave, Mix "C", NS0	Ton	1,323
X4066765	Leveling Binder (Machine Method), Superpave, NS0	Ton	1,563
Z0000990	Aggregate for Temporary Access	Ton	500
Z0018900	Drill and Grout Dowel Bars	Each	1,136
Z0051500	Removing and Resetting Street Signs	Each	7
XX001544	Restricted Depth Manholes, 4' Diameter, Type 15 Frame and Lid	Each	2
XX001000	Temporary Shoulders	Sq. Yd.	2,497
XX000565	15" PVC Sanitary Sewer SDR-26	Foot	78
XX000869	Select Granular Backfill	Cu. Yd.	82

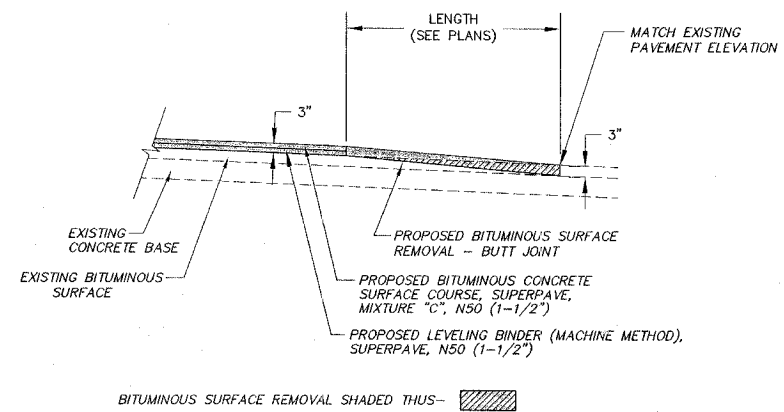
\* SPECIALTY ITEMS

**PAVEMENT WIDENING DESIGN DATA**

DESIGN SPEED = 45 M.P.H.  
CLASS II STREET  
2006 AVERAGE DAILY TRAFFIC (A.D.T.) = 9,590  
2026 AVERAGE DAILY TRAFFIC (A.D.T.) = 11,700

2016 STRUCTURAL DESIGN TRAFFIC (S.D.T.) = 10,600  
PASSENGER VEHICLES (P.V.) = 10,270 (96.9%)  
SINGLE UNITS (S.U.) = 320 (3.0%)  
MULTIPLE UNITS (M.U.) = 10 (0.1%)

COMPOSITE PAVEMENT DESIGN  
TRAFFIC FACTOR=0.33  
ILLINOIS BEARING RATIO (IBR) = 2  
PROPOSED PAVEMENT MATERIALS:  
BITUMINOUS BASE COURSE, SUPERPAVE, 8"  
MINIMUM BITUMINOUS SURFACE REQUIRED = 3" ACTUAL = 3" MINIMUM  
IMPROVED SUBBASE = NOT REQUIRED



**DETAIL - BUTT JOINT**  
N.T.S.

**BITUMINOUS MIXTURE REQUIREMENTS**

ROUTE	FOSTERBURG ROAD (FAU 9002)
SECTION	03-00218-00-WR
COUNTY	MADISON
CONTRACT	97278

DESCRIPTION: FOSTERBURG ROAD @ CITY OF ALTON  
20 YR. ESAL'S : 0.60 (ADT=11,700, % MU=3.1, %SU=7)

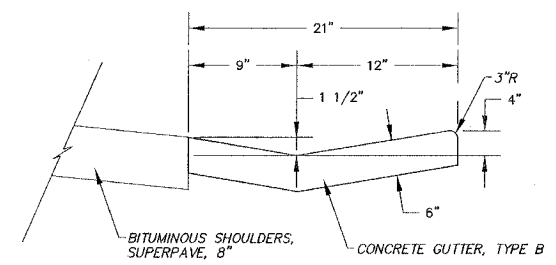
MIXTURE USE	SURFACE CSE	LEVELING BINDER	INC. BIT. SURF.	BIT. BASE COURSE	BIT. SHOULDERS
AC/PG	PG. 64-22	PG. 64-22	PG. 64-22	PG. 64-22	PG. 64-22
RAP % (MAX)	15%	15%	15%	15%	15%
DESIGN AIR VOIDS	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 9.5	IL 9.5	IL 9.5	IL 9.5
FRICITION AGG	MIXTURE C	MIXTURE C	MIXTURE C	MIXTURE C	MIXTURE C

**EARTHWORK SCHEDULE**

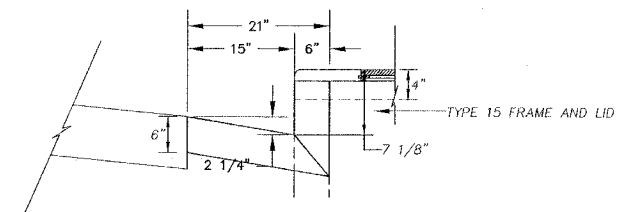
LOCATION	EARTH EXCAVATION (CUBIC YARDS)	EARTH EXCAVATION ADJUSTED FOR 25% SHRINKAGE (CUBIC YARDS)	EMBANKMENT (CUBIC YARDS)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CUBIC YARDS)
STA. 117+71 TO STA. 149+15	1,894	1,420	2,443	- 1,023
TOTAL	1,894	1,420	2,443	- 1,023

**LEGEND**

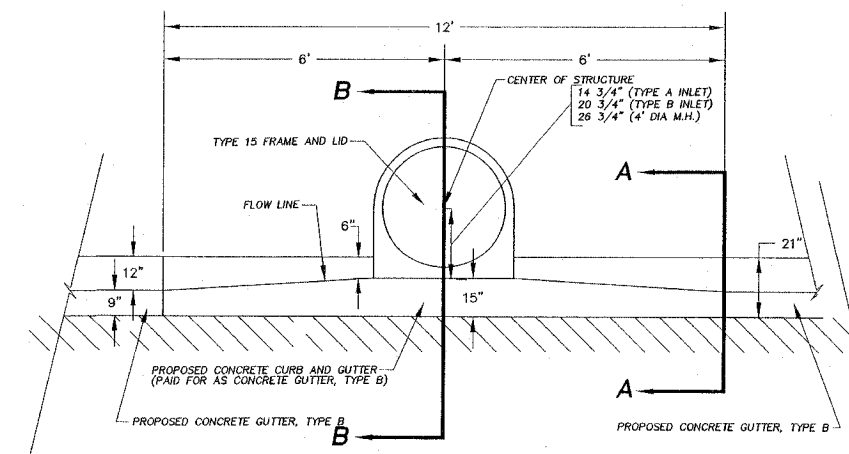
- T.B.A. TO BE ADJUSTED
- T.B.R. TO BE REMOVED
- T.B. REL. TO BE RELOCATED
- T.B.R. & RELC. TO BE REMOVED AND RELOCATED
- ☉ POWER POLE
- ☼ LIGHT POLE
- MAIL BOX
- ⊗ WM WATER METER
- ⊗ WV WATER VALVE
- ⊗ FIRE HYDRANT
- EXISTING STORM SEWER INLET
- TELEPHONE PEDISTAL
- MONUMENT
- GRADING AND SHAPING DITCHES
- W — W — W — EXISTING WATER LINE
- G — G — G — EXISTING GAS LINE
- ▬ EXISTING CULVERT
- ▬ PROPOSED CULVERT
- X — X — X — EXISTING FENCE
- DECIDUOUS TREE
- ▨ PAVEMENT PATCH, BITUMINOUS SURFACE REMOVAL BUTT-JOINT AND CONSTRUCTION WORK ZONE
- ▨ PROPOSED CONCRETE PAVEMENT, CONCRETE DRIVEWAY
- ▨ EXISTING CONCRETE PAVEMENT, CONCRETE DRIVEWAY
- ▨ PROPOSED SURFACE REMOVAL
- ▨ EXISTING LANDSCAPING TO REMAIN
- ▨ EXISTING GRAVEL SURFACE
- ◆ PROPOSED RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY)
- ▶ PROPOSED RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY)



**SECTION A-A**  
NO SCALE



**SECTION B-B**  
NO SCALE



**CURB AND GUTTER DETAIL AT INLETS**  
NO SCALE

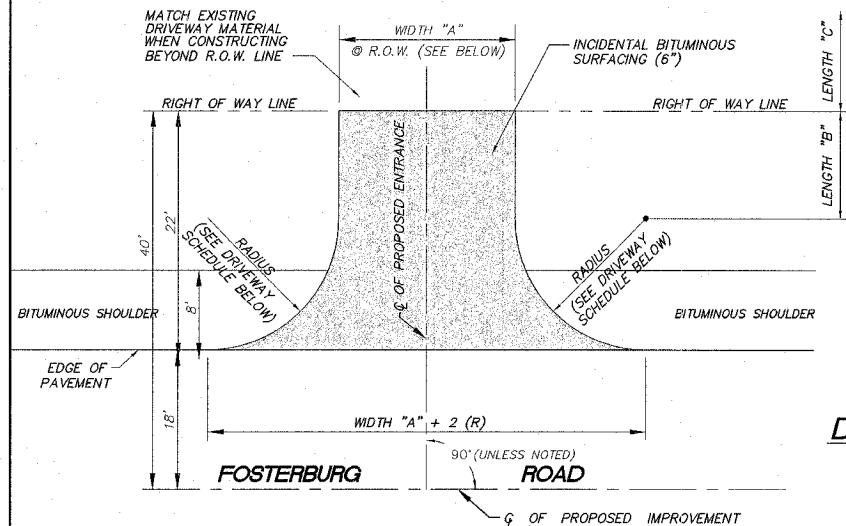
REVISIONS

**SMS** Sheppard, Morgan & Schwaab, Inc.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
ENGINEERS

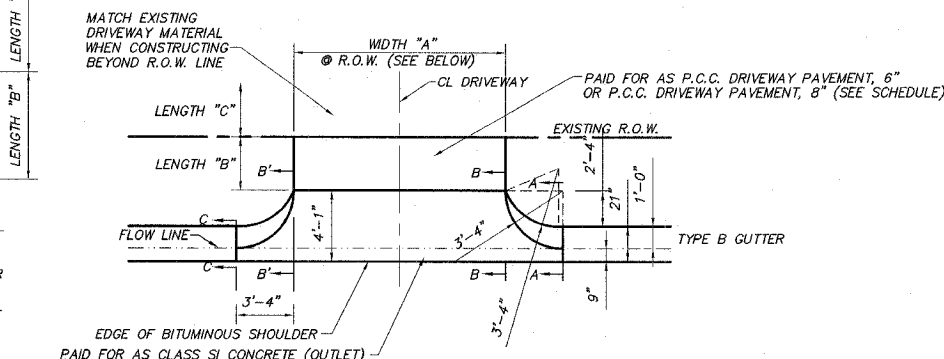
FOSTERBURG ROAD IMPROVEMENTS-PHASE 1  
ALTON, ILLINOIS  
FAU ROUTE 9002

ALTON SECTION 03-00218-00-WR  
SUMMARY OF QUANTITIES, DETAILS OF CONSTRUCTION

DWG. NO. 03-FB-02-001-01-1p.dwg  
REF. BK. PG.  
JOB NO. 205889  
DSN. BY: CLA  
DWN. BY: CDP  
CHK. BY: JHH  
DATE: JANUARY, 2006  
SCALE: AS NOTED  
SHEET 2 OF 38

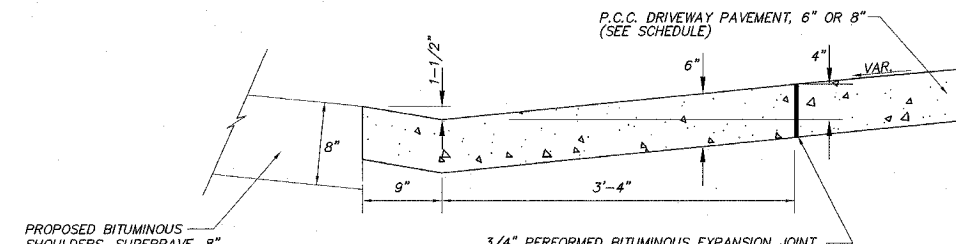


**PROPOSED PRIVATE ENTRANCE DETAIL IN TAPER**  
NO SCALE

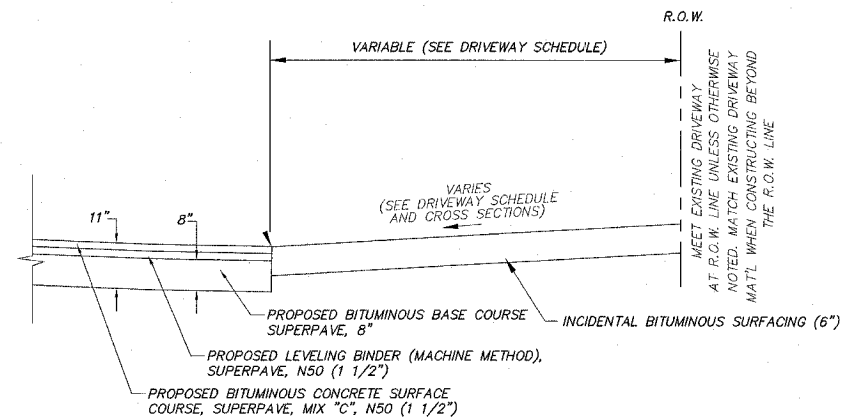


**DETAIL-PRIVATE AND COMMERCIAL DRIVEWAY ENTRANCE**  
NO SCALE

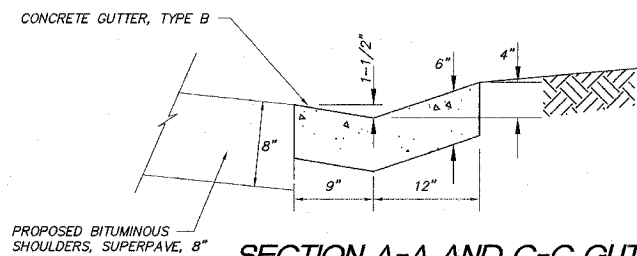
QUANTITY FOR GUTTER ENTRANCE,  
SECTION B'-B' TO B-B = 0.076 CU. YD./FT  
SECTION C-C TO B'-B' + B-B TO A-A  
= 0.30 CU. YD.



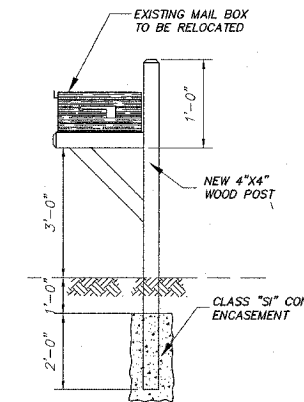
**SECTION B-B AND B'-B' GUTTER ENTRANCE**  
NO SCALE



**TYPICAL SECTION-PROPOSED PRIVATE DRIVEWAY ENTRANCE IN TAPER**  
NO SCALE



**SECTION A-A AND C-C GUTTER ENTRANCE**  
NO SCALE



**DETAIL - MAIL BOX SUPPORT**  
N.T.S.

**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.)	CLASS SI CONCRETE (OUTLET) (CU. YD.)	INCIDENTAL BIT. SURFACE (TONS)	AGGREGATE SURFACE COURSE, TYPE B (TONS)	TYPE OF ENTRANCE	EXISTING GRADE (%)	PROPOSED GRADE (%)	REMARKS
119+09.84 RT.	10	19	16	0	GRAVEL	-	-	-	-	22	2	PRIVATE	5.0	4.0	T.C.E. REQ'D
123+02.76 RT.	N/A	35	9	9	BITUMINOUS	97.0	-	35.0	3.0	20	-	COMMERCIAL	3.0	0.5	T.C.E. REQ'D
124+16.84 RT.	N/A	35	9	9	BITUMINOUS	87.9	-	35.0	3.0	20	-	COMMERCIAL	5.0	1.0	T.C.E. REQ'D
124+93.11 LT.	N/A	12	10.5	0	GRAVEL	-	14.0	-	1.2	-	1	PRIVATE	3.8	10.0	T.C.E. REQ'D
127+33.49 RT.	N/A	32	9.5	0	CONCRETE	119.0	-	33.8	2.8	-	-	COMMERCIAL	1.3	1.3	NONE
127+60.62 LT.	N/A	25	10.5	0	CONCRETE	137.1	-	29.2	2.2	-	-	COMMERCIAL	2.0	2.0	NONE
130+00 LT.	N/A	20	10.0	8.5	GRAVEL	-	41.1	-	1.9	-	2	PRIVATE	1.0	0.5	T.C.E. REQ'D
130+68.88 LT.	N/A	12	10.5	8	BITUMINOUS	34.8	-	14.0	1.2	5	-	PRIVATE	1.0	1.0	T.C.E. REQ'D
131+22.31 RT.	N/A	19	9.5	0	CONCRETE	91.75	-	26.4	2.1	-	-	COMMERCIAL	2.0	2.0	NONE
131+52.62 RT.	N/A	19	9.5	0	CONCRETE	91.75	-	26.4	2.1	-	-	COMMERCIAL	2.0	0	NONE
131+56.15 LT.	N/A	35	10.5	0	CONCRETE	127.8	-	40.8	3.0	-	-	COMMERCIAL	2.0	2.0	T.C.E. REQ'D
133+34.61 RT.	N/A	24	9.3	0	EARTH	-	24.8	-	2.2	-	-	FIELD ENTRANCE	4.3	3.0	NONE
134+15.95 LT.	N/A	35	10.7	0	CONCRETE	133.0	-	41.6	3.0	-	-	COMMERCIAL	10.0	6.0	NONE
135+25.97 LT.	N/A	24	10.5	0	CONCRETE	60.9	-	28.0	2.2	-	-	COMMERCIAL	6.0	5.0	T.C.E. REQ'D
137+81.32 LT.	N/A	24	10.5	0	EARTH	-	-	28.0	2.2	-	-	COMMERCIAL	0	0	T.C.E. REQ'D
138+85.50 RT.	N/A	35	9.5	0	CONCRETE	116.8	-	37.0	3.0	-	-	COMMERCIAL	1.0	1.0	NONE
139+59 RT.	N/A	35	9.5	0	CONCRETE	129.3	-	37.0	3.0	-	-	COMMERCIAL	4.0	4.0	NONE
146+21.31 LT.	N/A	12	12	34	CONCRETE	45.5	54.1	-	1.2	-	-	PRIVATE	14.0	10.5	T.C.E. REQ'D
147+68.97 RT.	10	12	18	22	BITUMINOUS	72.2	-	-	-	27	-	COMMERCIAL	3.0	4.0	T.C.E. REQ'D
148+58.99 LT.	10	12	18	0	BITUMINOUS	37.6	-	-	-	16	-	PRIVATE	2.0	2.0	NONE
DWY PUMP HOUSE ROAD	10	12	N/A	17	BITUMINOUS	27.0	-	-	-	11	-	COMMERCIAL	0.2	0.7	T.C.E. REQ'D
TOTALS						1,409.4 SQ. YD.	148.0 SQ. YD.	398.2 SQ. YD.	39.3 CU. YD.	121 TONS	5 TONS				

T.C.E. = TEMPORARY CONSTRUCTION EASEMENT

**GENERAL NOTES**

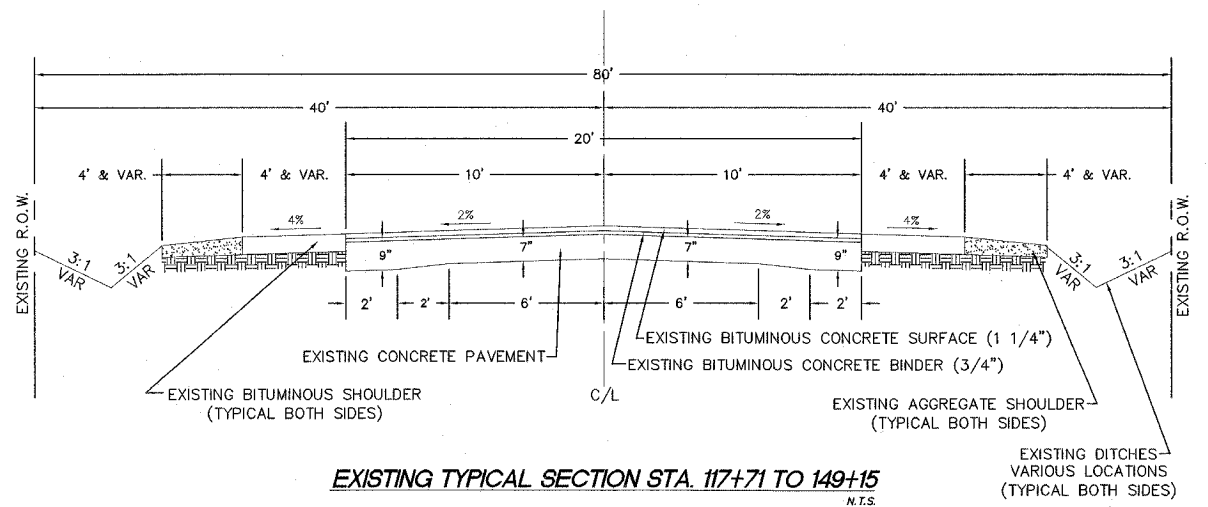
- THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2002 AND THE SPECIAL PROVISIONS OF THE PROJECT CONTRACT.
- INFORMATION ON THE PLANS REGARDING UTILITIES IS TAKEN FROM THE BEST AVAILABLE RECORDS, BUT IS NOT REPRESENTED 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 SAWCUTTING SHALL BE CONSIDERED INCIDENTAL TO 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.
- BITUMINOUS CONCRETE BINDER AND SURFACE COURSE QUANTITIES HAVE BEEN CALCULATED USING A RATE OF 125 LB./S.Y.-IN.

**FOSTERBURG ROAD IMPROVEMENTS-PHASE 1**  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WR  
 DETAILS OF CONSTRUCTION

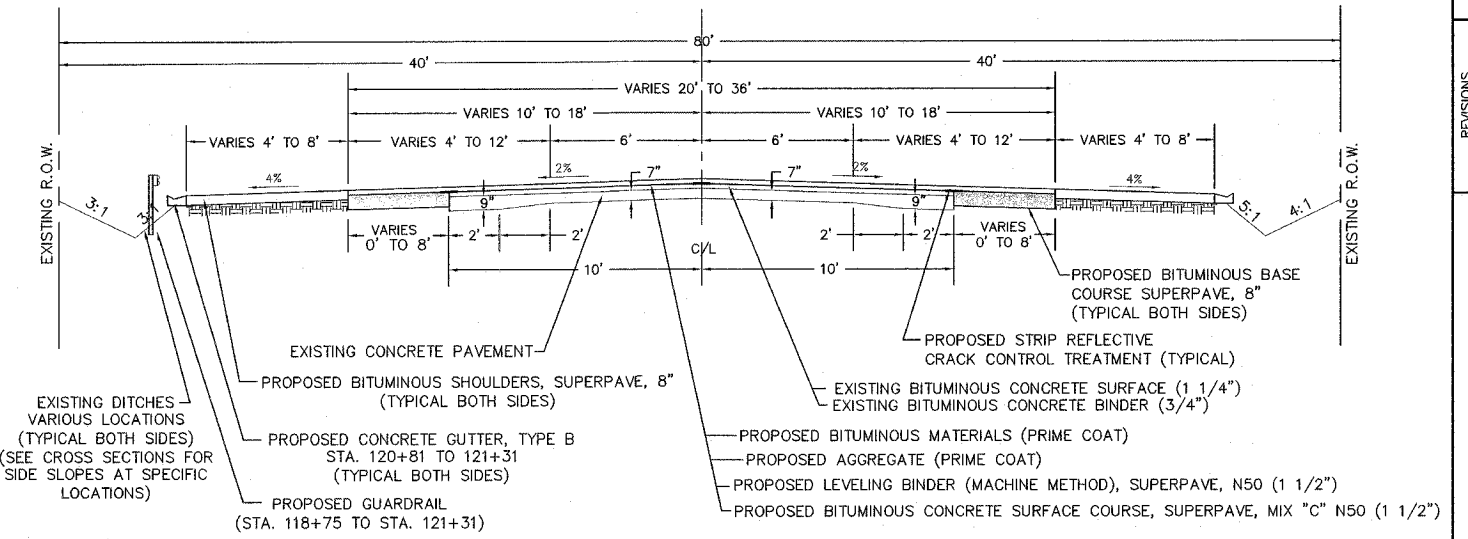
REVISIONS

Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 113 Maple Street, P.O. Box E, Alton, IL 62002 618/462-0165 Fax: 618/462-0166  
 10 Central Industrial Drive, Granite City, IL 62040 618/877-4700 E-mail: ms@smgsinc.com

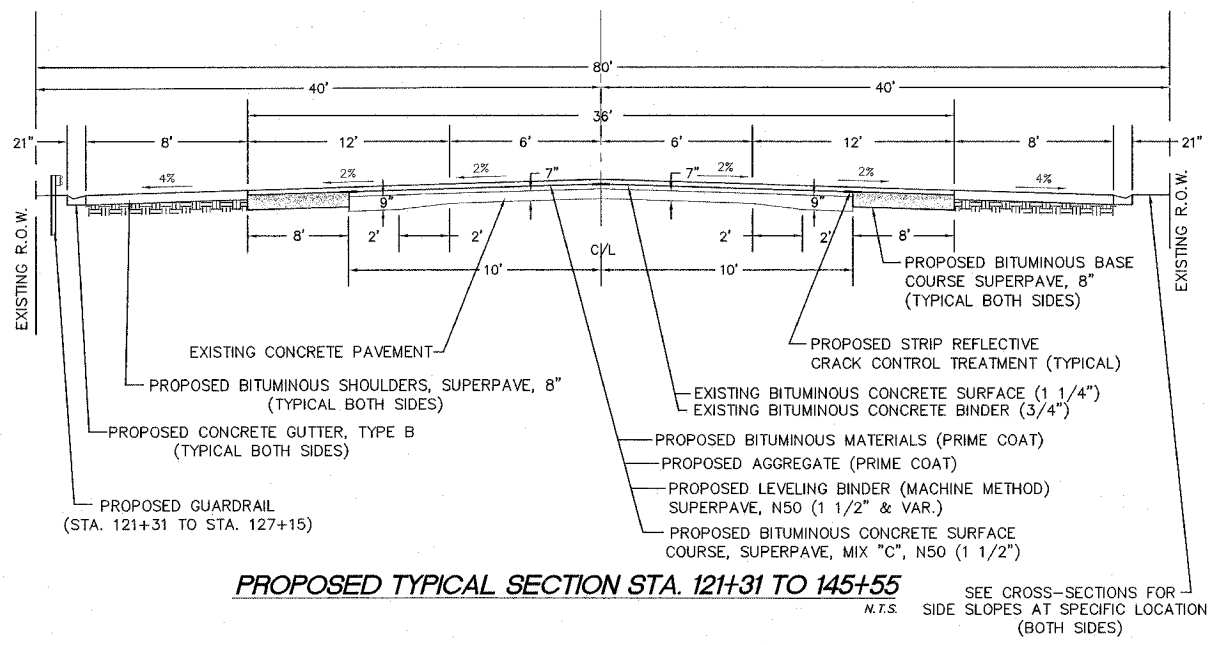
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 DWN. BY: CDP  
 CHK. BY: JHH  
 DATE: JANUARY, 2006  
 SCALE: NO SCALE  
 SHEET 3 OF 38



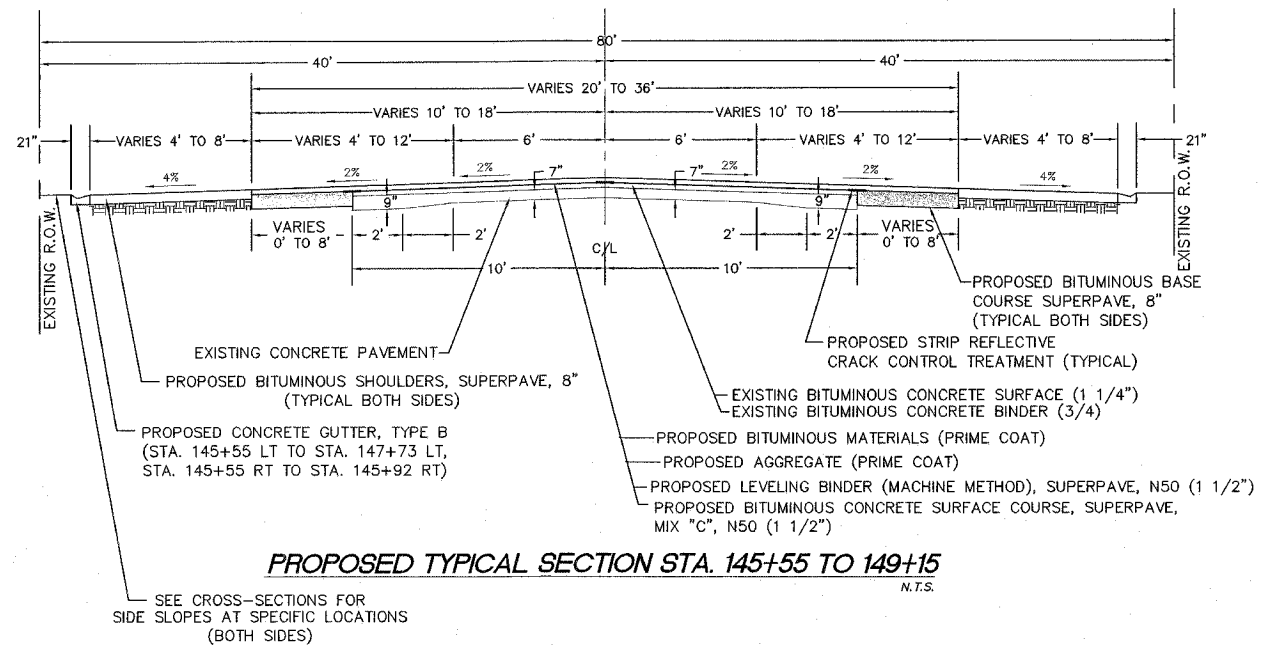
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N.T.S.



**PROPOSED TYPICAL SECTION STA. 117+71 TO 121+31**  
N.T.S.



**PROPOSED TYPICAL SECTION STA. 121+31 TO 145+55**  
N.T.S. SEE CROSS-SECTIONS FOR SIDE SLOPES AT SPECIFIC LOCATIONS (BOTH SIDES)



**PROPOSED TYPICAL SECTION STA. 145+55 TO 149+15**  
N.T.S. SEE CROSS-SECTIONS FOR SIDE SLOPES AT SPECIFIC LOCATIONS (BOTH SIDES)

NO.	REVISIONS

**SMS** Sheppard, Morgan & Schwaab, Inc.  
ENGINEERS  
CONSULTING ENGINEERS AND LAND SURVEYORS  
215 Market Street, P.O. Box E, Alton, IL 62002-6755-Email: mail@smssheppard.com  
10 Central Industrial Drive, Granite City, IL 62040-6186-Email: mail@smssheppard.com

**FOSTERBURG ROAD IMPROVEMENTS-PHASE 1**  
ALTON, ILLINOIS  
FAU ROUTE 9002  
ALTON SECTION 03-00218-00-WR  
TYPICAL SECTIONS

REF. BK.	PG.
JOB NO.	205889
DSN. BY:	CL
DWN. BY:	CDP
CHK. BY:	JHH
DATE:	JANUARY, 2006
SCALE:	NO SCALE
SHEET	4 OF 38

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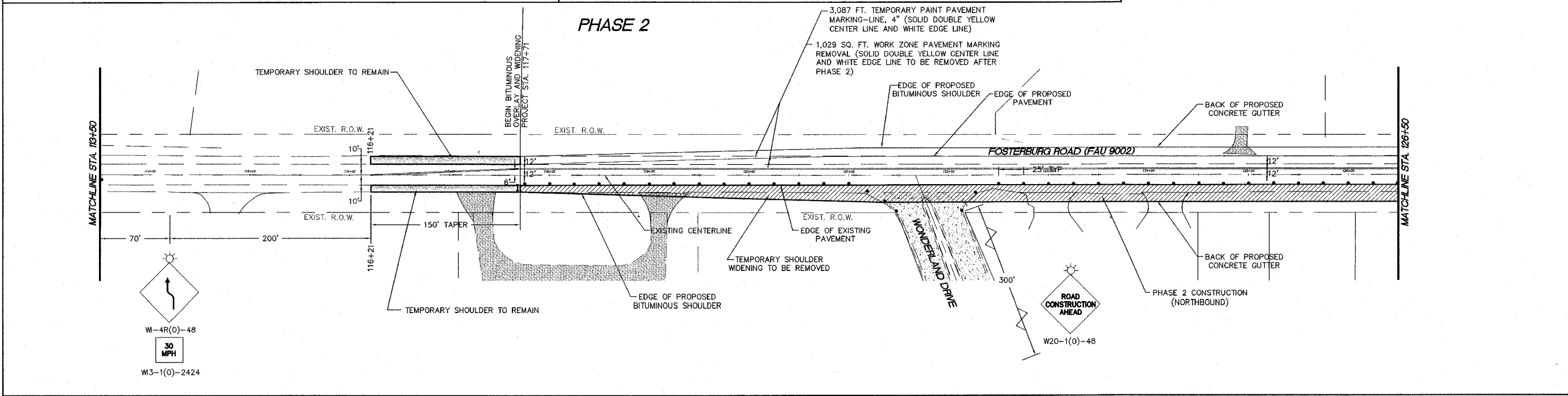
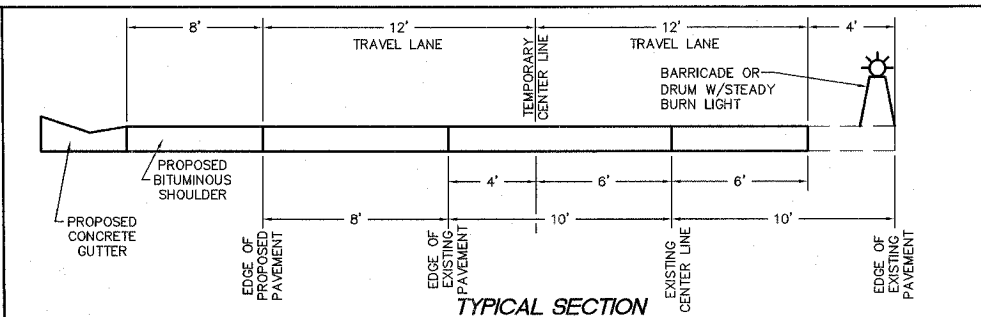
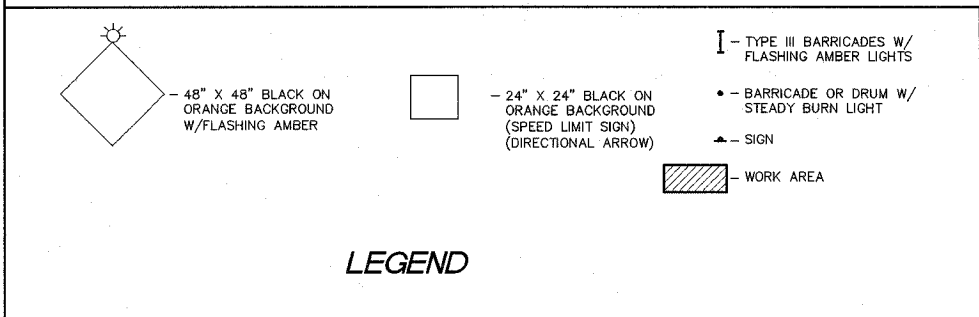
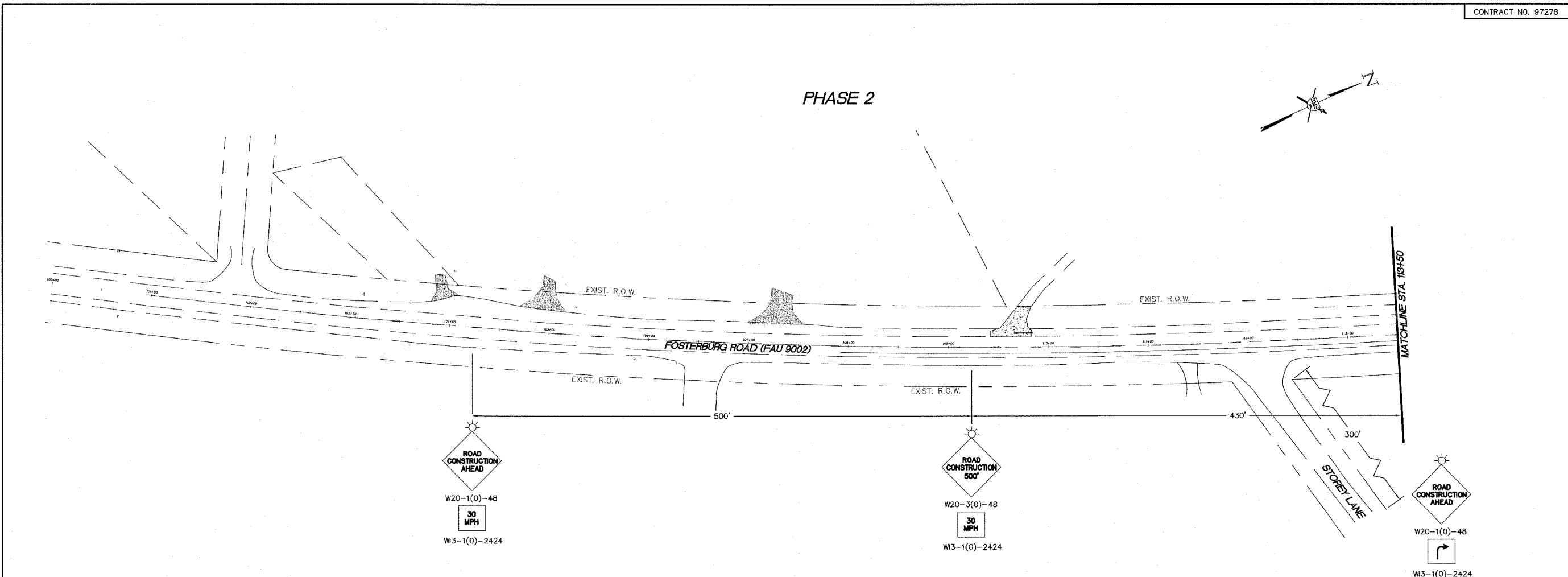


REVISIONS

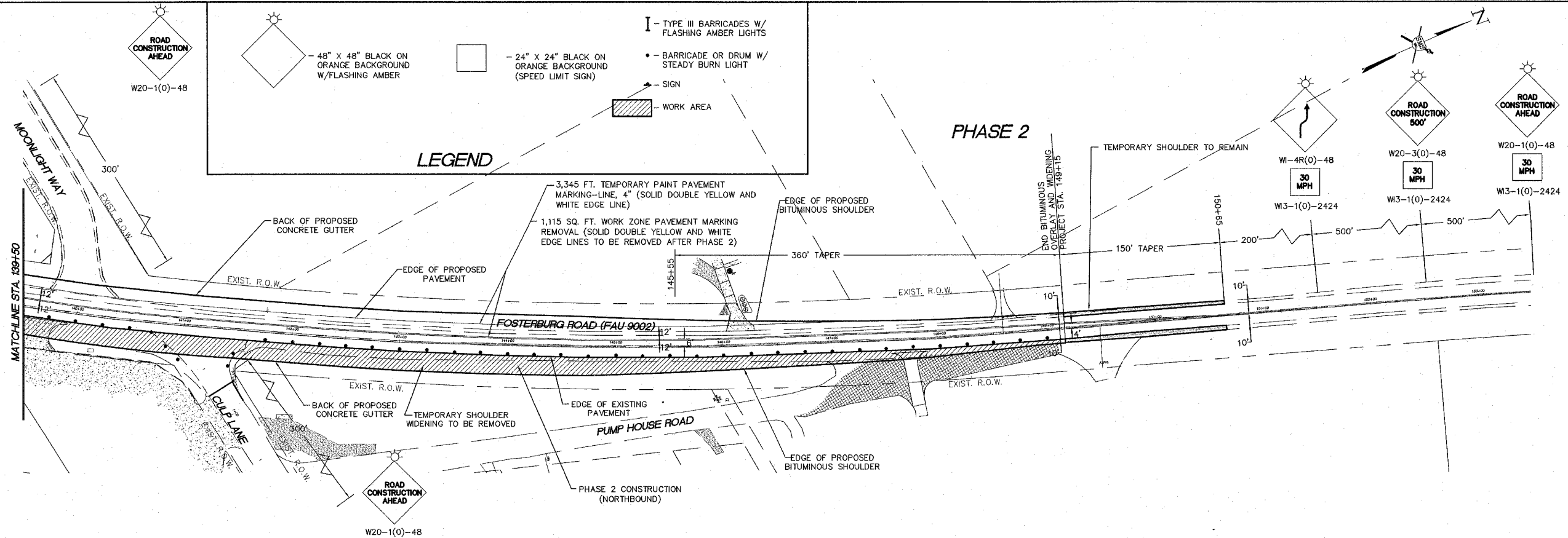
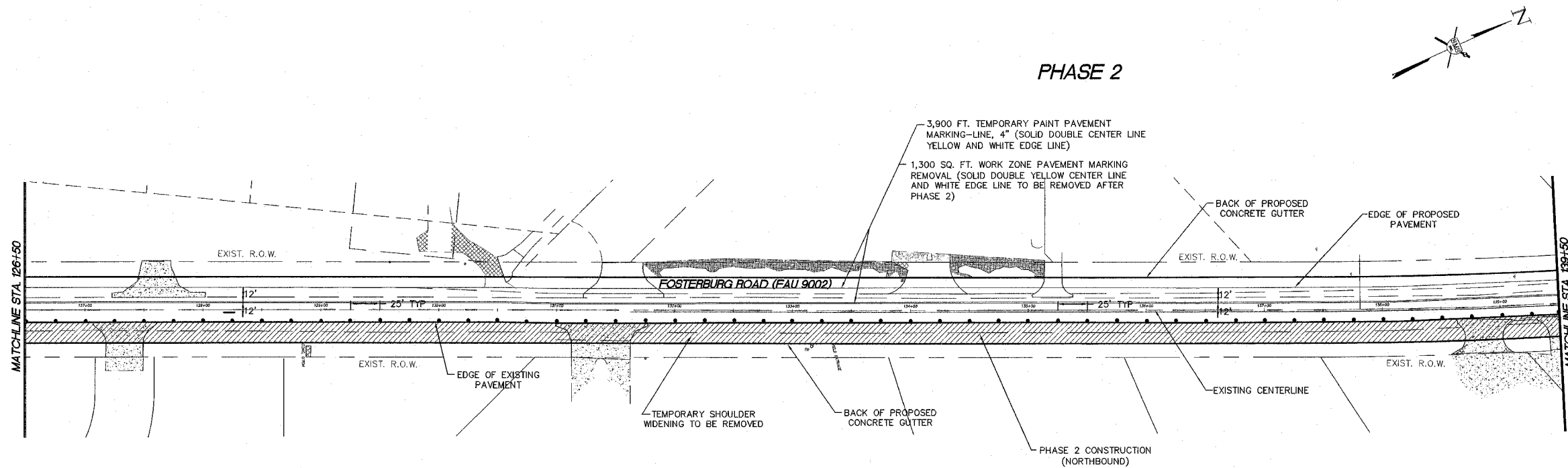
**SMS ENGINEERS**  
 Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Market Street, P.O. Box E, Alton, IL 62002 • 618462-9755 • Email: mail@smsengineers.com  
 10 Central Industrial Drive, Granite City, IL 62040 • 618877-8700 • E-mail: mail@smsengineers.com

**FOSTERBURG ROAD IMPROVEMENTS-PHASE 1**  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WR  
 TRAFFIC CONTROL PLAN

8-Traffic Control.DWG  
 REF. BK. PG.  
 JOB NO. 205889  
 DSN. BY: CLA  
 DWN. BY: CDP  
 CHK. BY: JHH  
 DATE: JANUARY, 2006  
 SCALE: 1"=50'  
 SHEET 7 OF 38



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REVISIONS

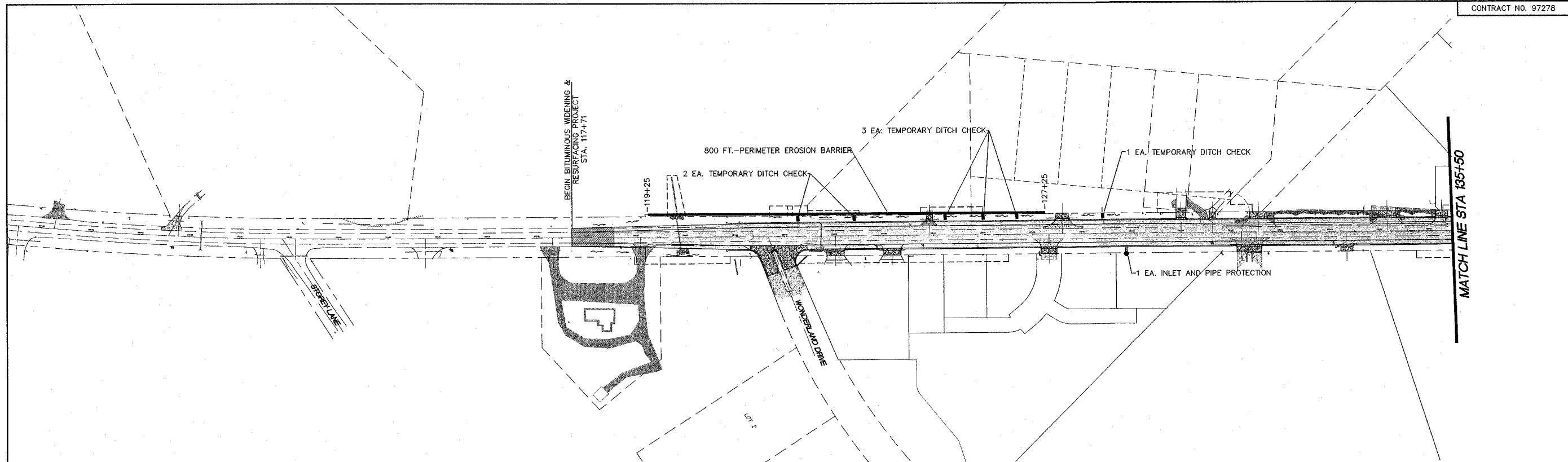
**SMS ENGINEERS**  
 Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Market Street, P.O. Box E, Alton, IL 62002 • 618/462-9755 • E-mail: mail@smsengineers.com  
 10 Central Industrial Drive, Granite City, IL 62040 • 618/877-8700 • E-mail: mail@smsengineers.com

**FOSTERBURG ROAD IMPROVEMENTS-PHASE 1**  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WR  
 TRAFFIC CONTROL PLAN

B-Traffic Control.DWG	
REF. BK.	PG.
JOB NO.	205889
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CHK. BY:	JHH
DATE:	JANUARY, 2006
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SHEET	8 OF 38

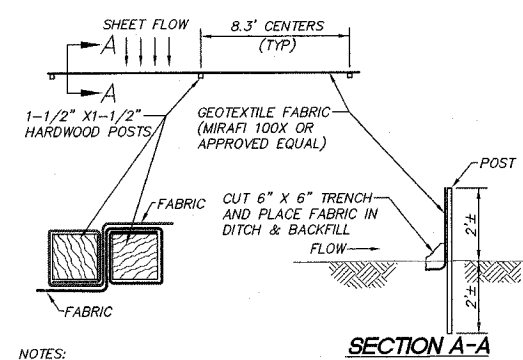
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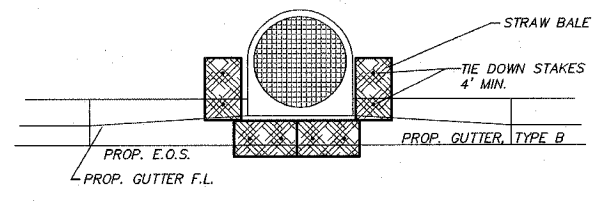
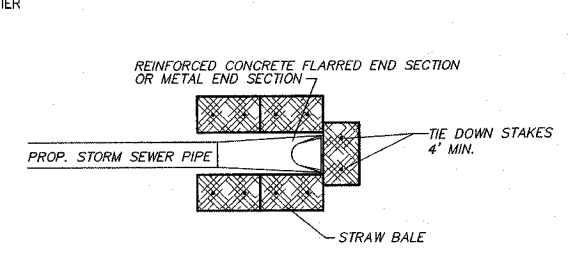
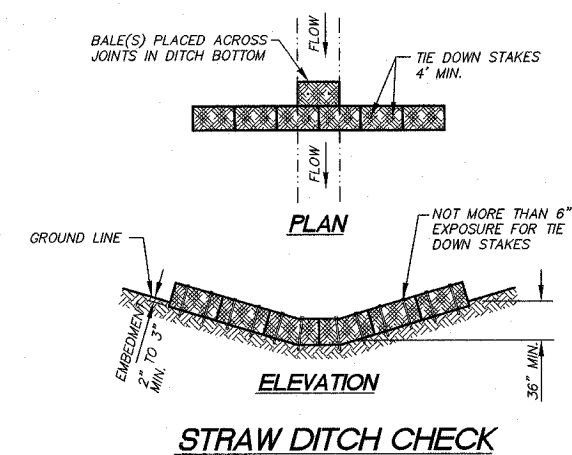


**EROSION CONTROL LEGEND**

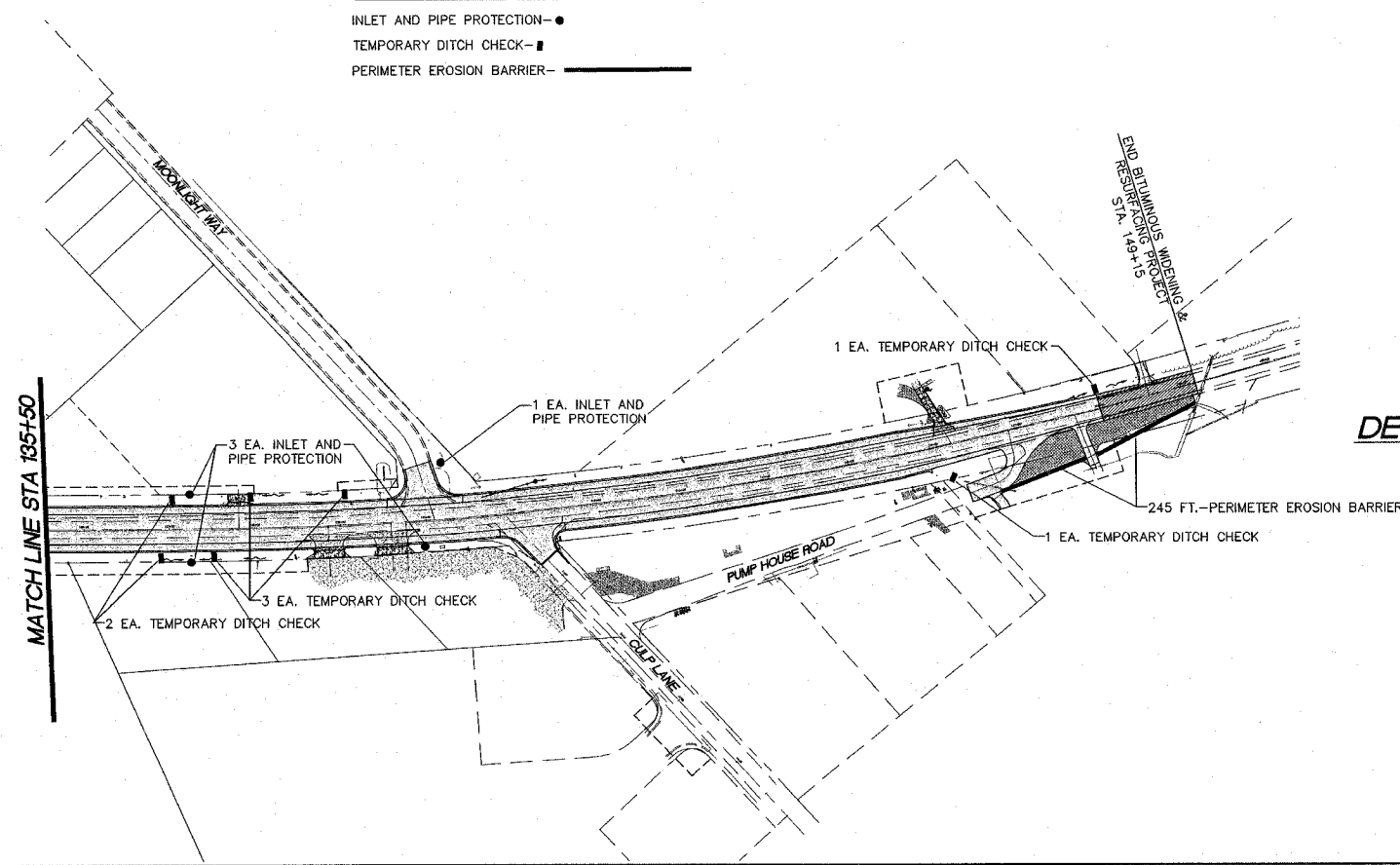
- INLET AND PIPE PROTECTION—●
- TEMPORARY DITCH CHECK—■
- PERIMETER EROSION BARRIER—



- NOTES:**
1. POSITION POSTS TO OVERLAP AS SHOWN ABOVE, MAKING CERTAIN THAT FABRIC FOLDS AROUND EACH POST ONE FULL TURN.
  2. DRIVE POSTS TIGHTLY TOGETHER AND SECURE TOPS OF POSTS BY TYING OFF WITH WIRE TO PREVENT FLOW-THROUGH OF BUILT-UP SEDIMENT AT JOINT.
  3. EXCAVATE A 6" X 6" TRENCH AT LOCATIONS SHOWN ON THE PLANS.
  4. POSTS SHOULD BE POSITIONED ON DOWNSTREAM SIDE OF FENCE.
  5. DRIVE POST INTO GROUND AND LAY THE TOE IN FABRIC FLAP IN BOTTOM OF TRENCH. BACKFILL TRENCH AND TAMP GROUND AS SHOWN IN DIAGRAM ABOVE.
  6. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
  7. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
- DETAIL-PERIMETER EROSION BARRIER**



**DETAIL-STRAW BALE INLET AND PIPE PROTECTION**



NO.	DESCRIPTION

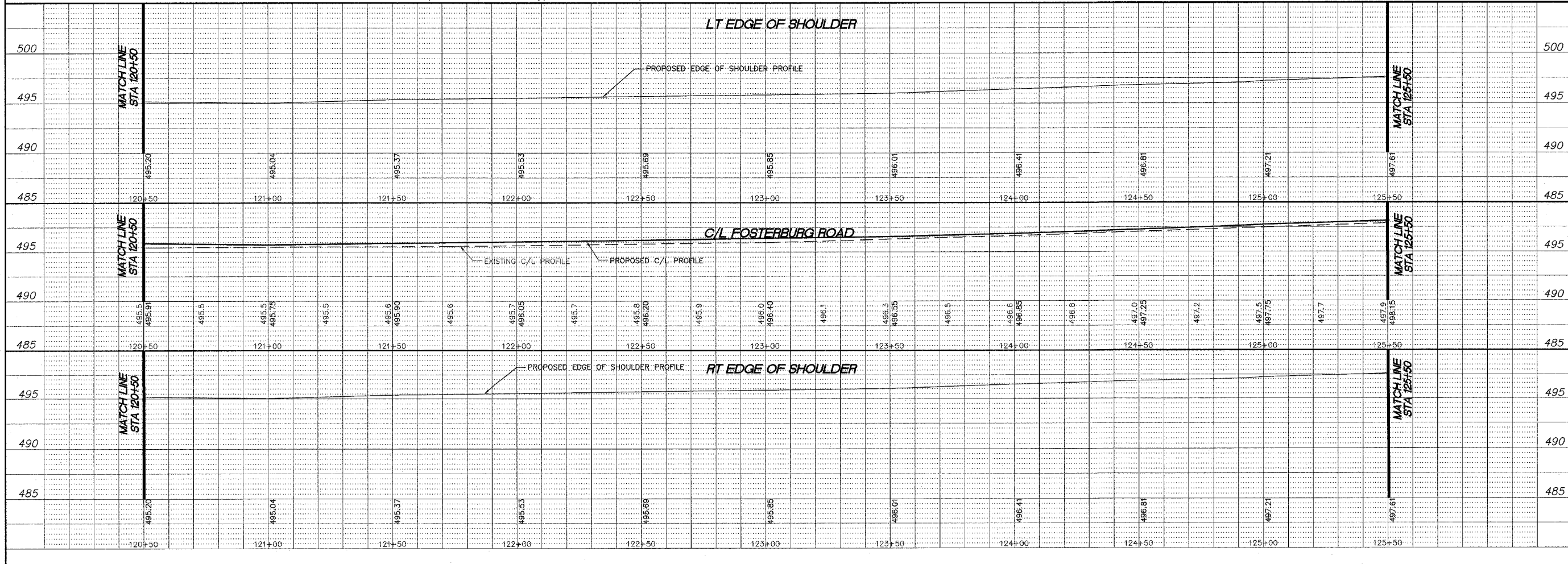
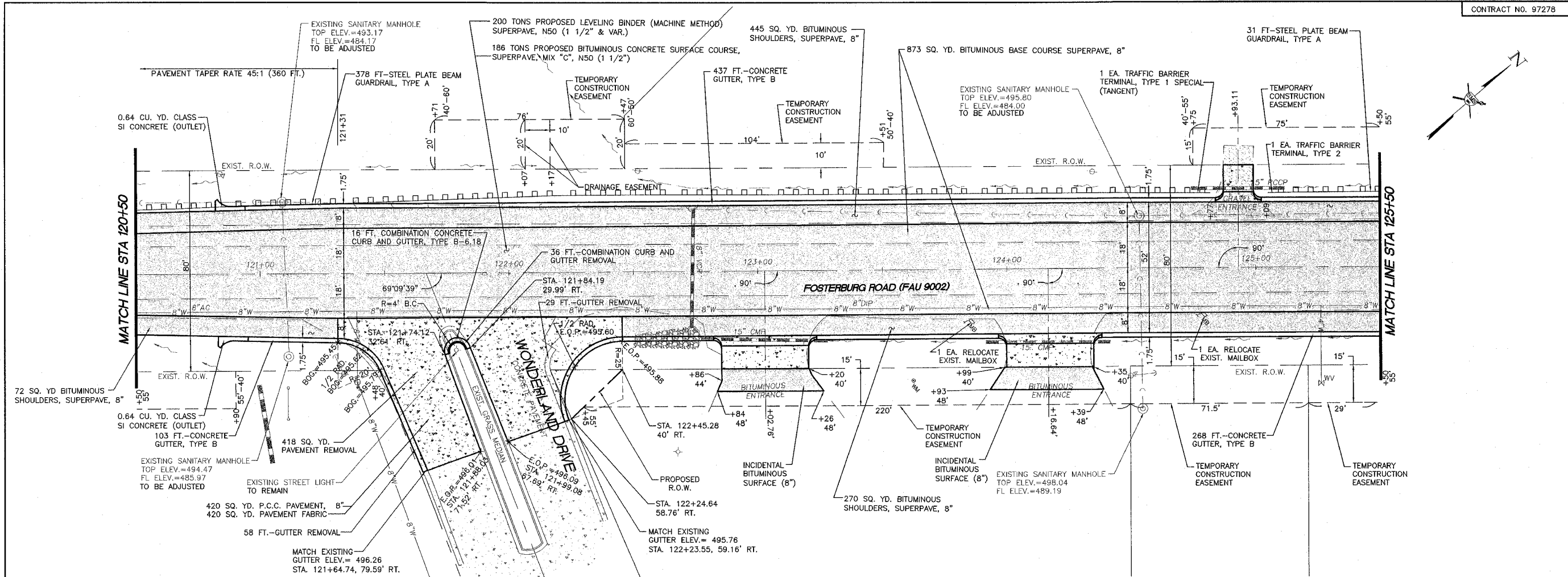
**SMS ENGINEERS**  
 SHEPPARD MORGAN & SCHWAAB, INC.  
 CONSULTING ENGINEERS LAND SURVEYORS  
 215 MARKET STREET  
 CHICAGO, ILLINOIS 60602  
 618/462-9755

**FOSTERBURG ROAD IMPROVEMENTS-PHASE 1**  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WR  
 EROSION CONTROL PLAN

B-EROSION CONTROL DWG	PG.
REF. BK.	205999
JOB NO.	03-00218-00-WR
DSH. BY:	CLA
DWN. BY:	CDP
CHK. BY:	JHH
DATE:	JANUARY, 2006
SCALE:	1" = 100'
SHEET	9 OF 38

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REVISIONS

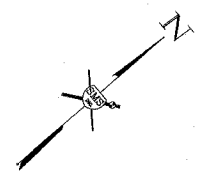
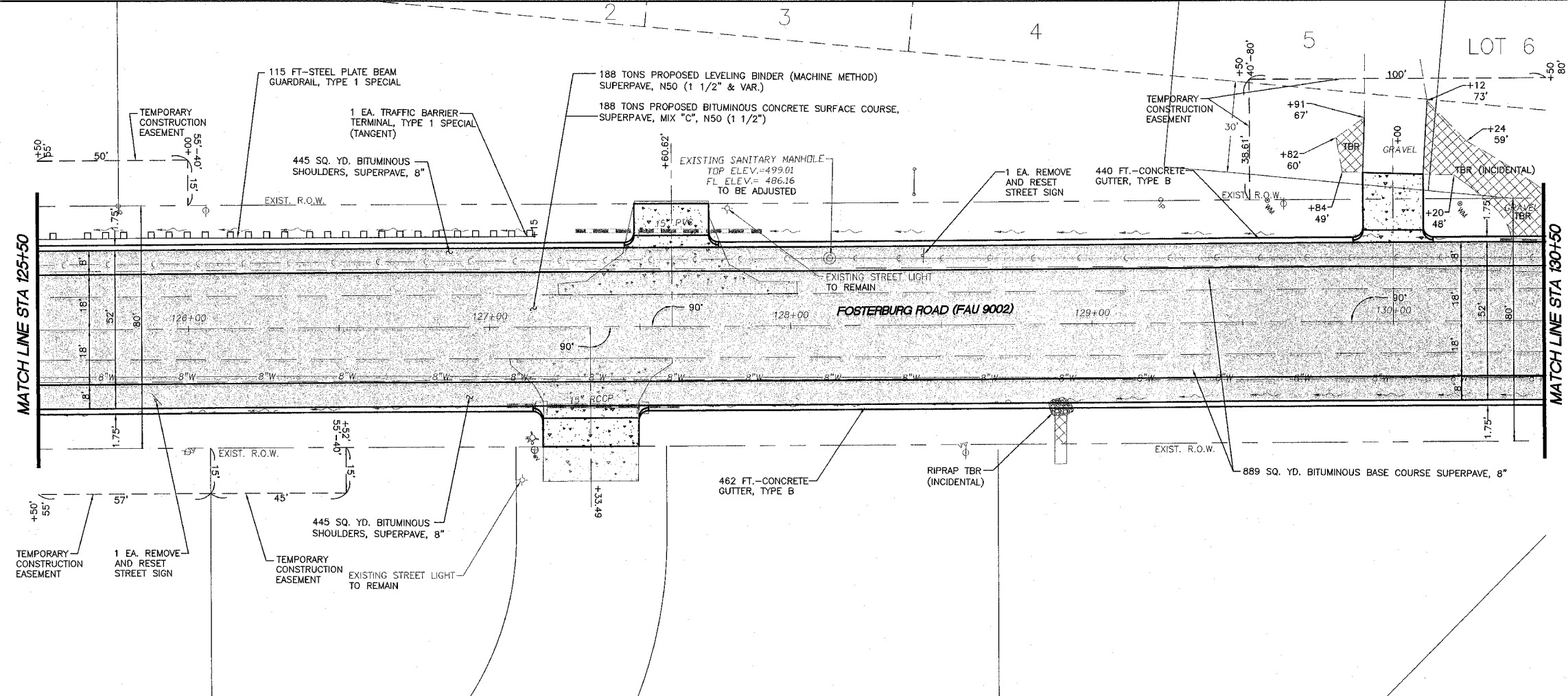

**SMS ENGINEERS**  
 Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Market Street, P.O. Box E, Alton, IL 62002 • 618-462-9755 • Email: mail@smsengineers.com  
 10 Central Industrial Drive, Granite City, IL 62040 • 618-877-9700 • E-mail: mail@smsengineers.com

FOSTERBURG ROAD IMPROVEMENTS-PHASE 1  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WR  
 PLAN AND PROFILE

B-FOSTERPPP.DWG

REF. BK.	PG.
JOB NO.	205889
DSN. BY:	CLA
OWN. BY:	CDP
CHK. BY:	JHH
DATE:	JANUARY, 2006
SCALE:	HORIZ. 1"=20' VERT. 1"=5'
SHEET	11 OF 38

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REVISIONS

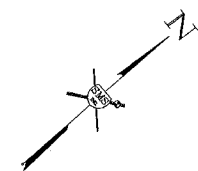
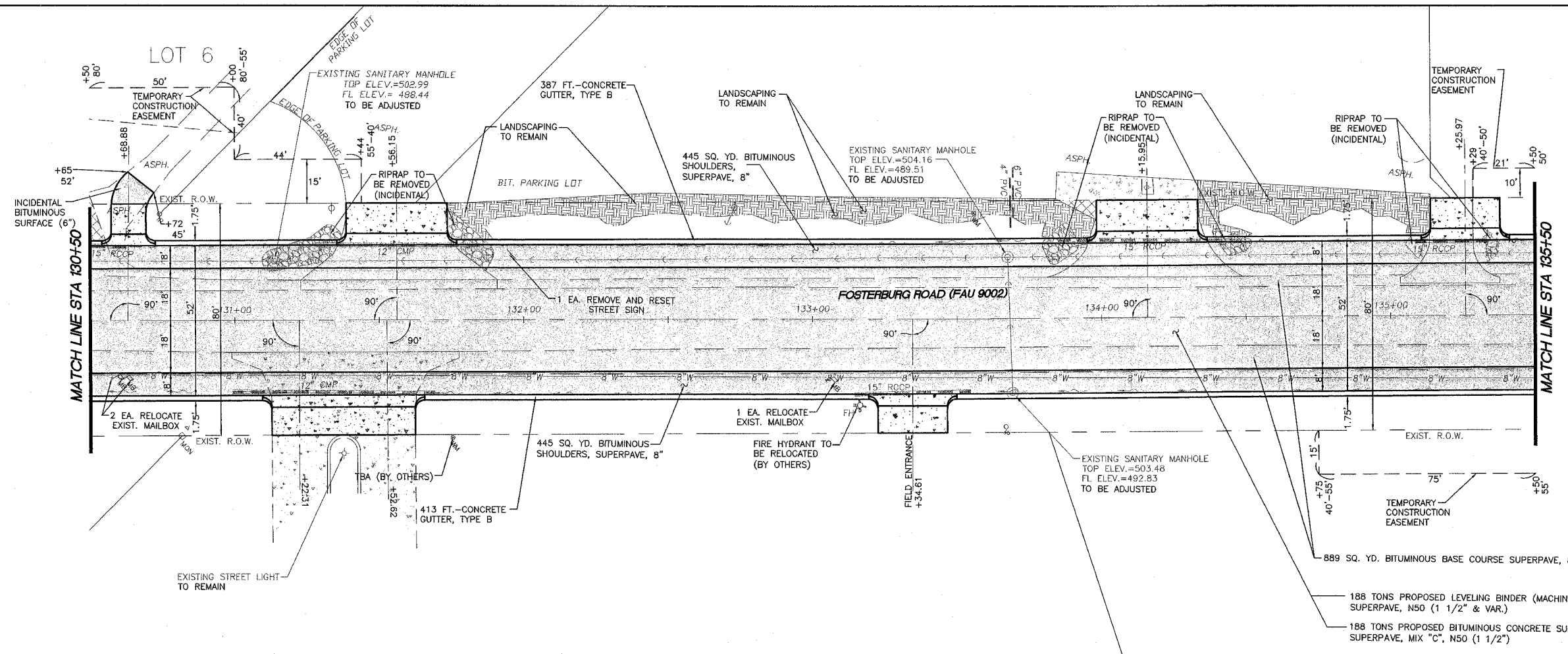
**SMS** Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Market Street, P.O. Box E, Alton, IL 62002-8194/62-9755 Email: mail@smsengineers.com  
 110 Central Industrial Drive, Granite City, IL 62040-6187/77-5700 E-mail: mail@smsengineers.com

Station	LT Edge of Shoulder	C/L Fosterburg Road	RT Edge of Shoulder
505			
500			
495			
490			
505			
500			
495			
490			

FOSTERBURG ROAD IMPROVEMENTS-PHASE 1  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WR  
 PLAN AND PROFILE

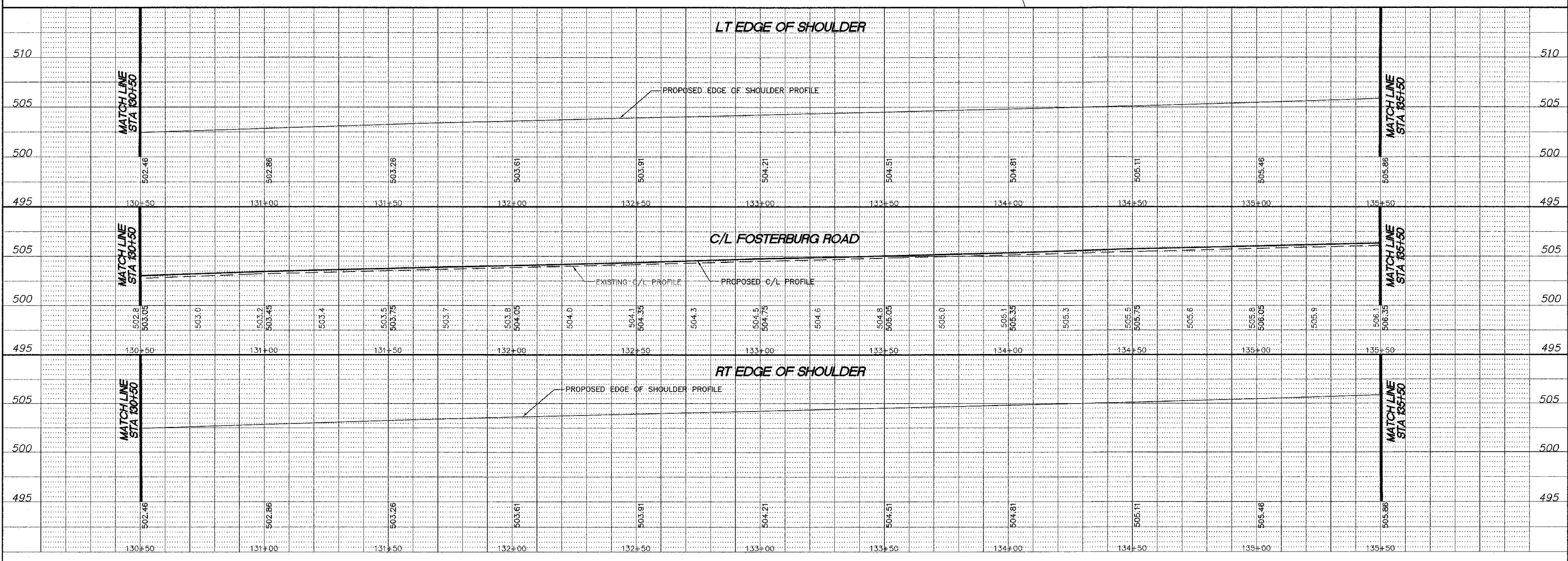
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CHK. BY:	JFH
DATE:	JANUARY, 2006
SCALE:	HORIZ. 1"=20' VERT. 1"=5'
SHEET	12 OF 38

g:\land projects\alton\_fosterburg\_road (205889) at bwing\temp.dwg, 3/31/2006 8:52:19 AM, cprint, 1:20



NO.	DESCRIPTION

**SMS ENGINEERS**  
 Sheppard, Morgan & Schwab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Market Street, P.O. Box E, Alton, IL 62002-8194/62-9756-Fax: mail@smsengineers.com  
 10 Central Industrial Drive, Granite City, IL 62040-6188/617-3700-F: mail@smsengineers.com

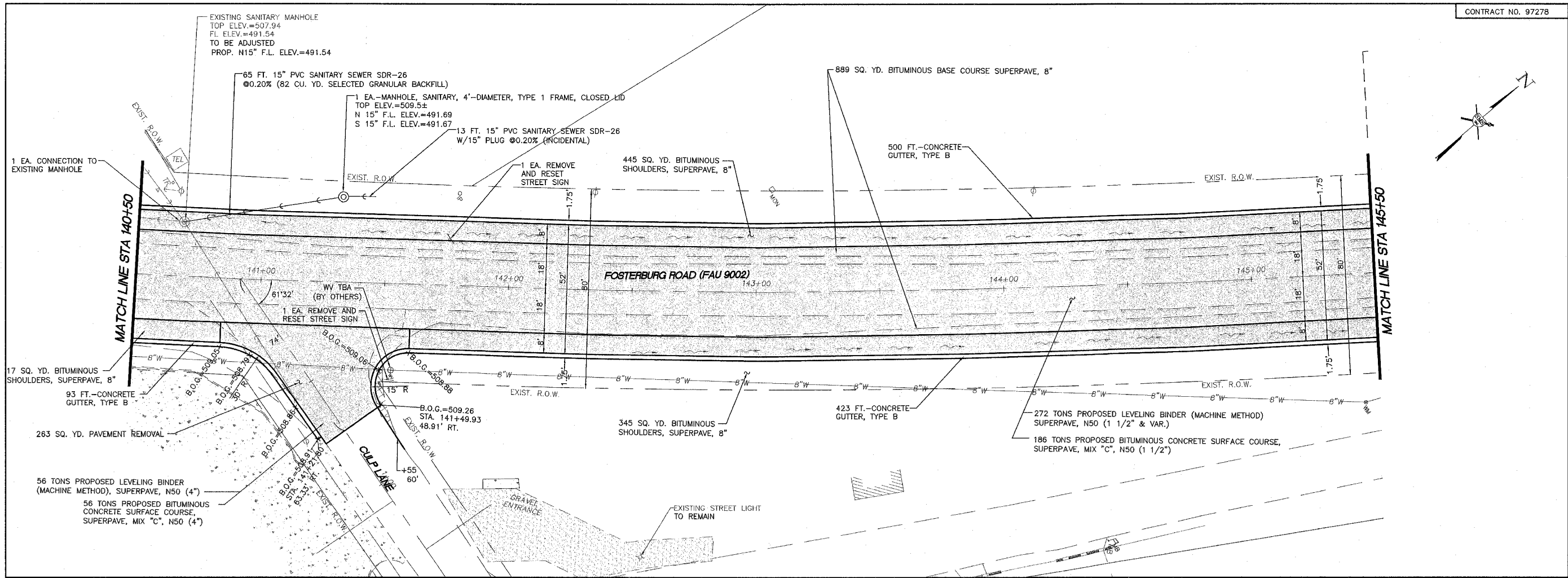


**FOSTERBURG ROAD IMPROVEMENTS-PHASE 1**  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WF  
 PLAN AND PROFILE

REF. BK.	PG.
JOB NO.	205889
DSN. BY:	CLA
DWN. BY:	CDP
CHK. BY:	JH
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SCALE:	HORIZ. 1"=20' VERT. 1"=5'
SHEET	13 OF 38

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REVISIONS

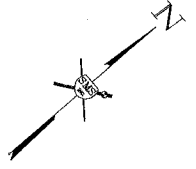
**SMS ENGINEERS**  
 Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Market Street, P.O. Box E, Alton, IL 62002-8184/62-9755 E-mail: mail@smsengineers.com  
 10 Central Industrial Drive, Granite City, IL 62040-8187/87-9706 E-mail: mail@smsengineers.com

Station	LT Edge of Shoulder	C/L Fosterburg Road	RT Edge of Shoulder
510			
505			
500			
495			
510			
505			
500			
510			
505			
500			

**FOSTERBURG ROAD IMPROVEMENTS-PHASE 1**  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WR  
 PLAN AND PROFILE

B-FOSTERPIP.DWG	PG
REF. BK	205889
JOB NO.	CDP
DSN. BY:	JHH
DWN. BY:	JHH
CHK. BY:	JHH
DATE:	JANUARY, 2006
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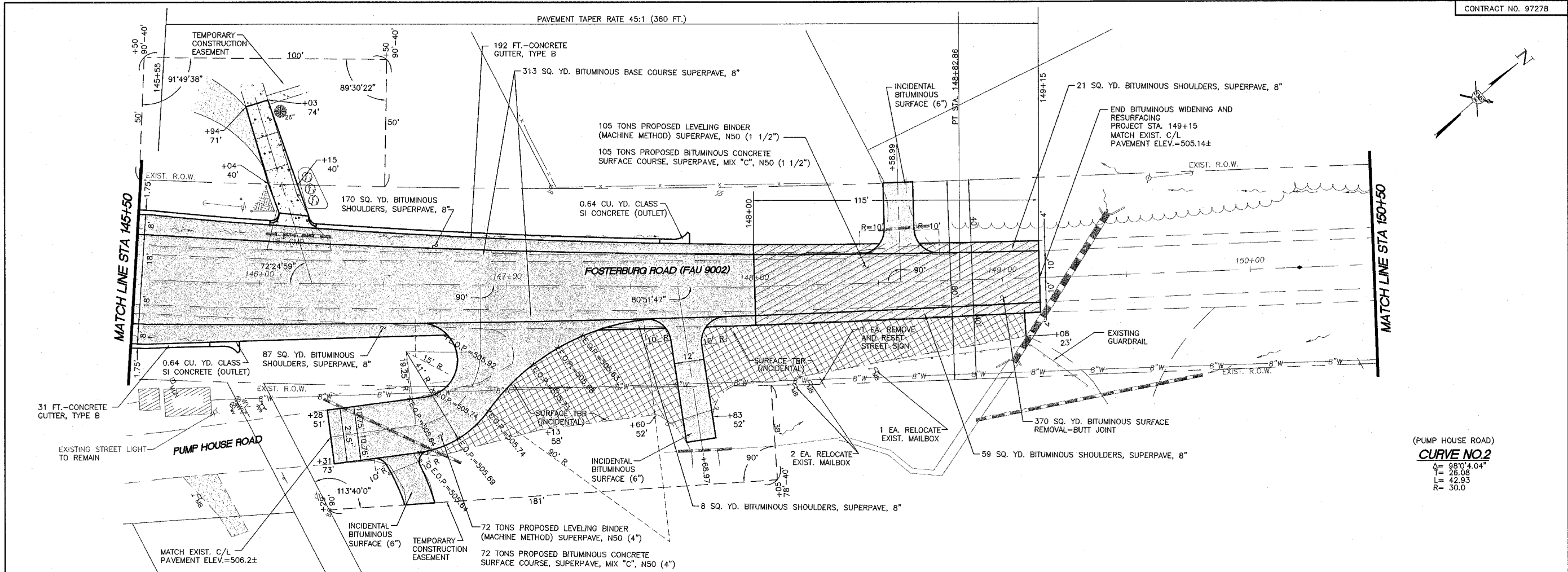
REVISIONS

**SMS** Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Market Street, P.O. Box E, Alton, IL 62002-6194/62-9755 • Email: mail@smsengineers.com  
 11 Central Industrial Drive, Granite City, IL 62040-6180/62-9706 • E-mail: mail@smsengineers.com

**ENGINEERS**

FOSTERBURG ROAD IMPROVEMENTS-PHASE 1  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WR  
 PLAN AND PROFILE

B-FOSTERPP.DWG  
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 JOB NO. 205889  
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 DWN. BY: CDP  
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 DATE: JANUARY, 2008  
 SCALE: HORIZ. 1"=20'  
 VERT. 1"=5'  
 SHEET 16 OF 38



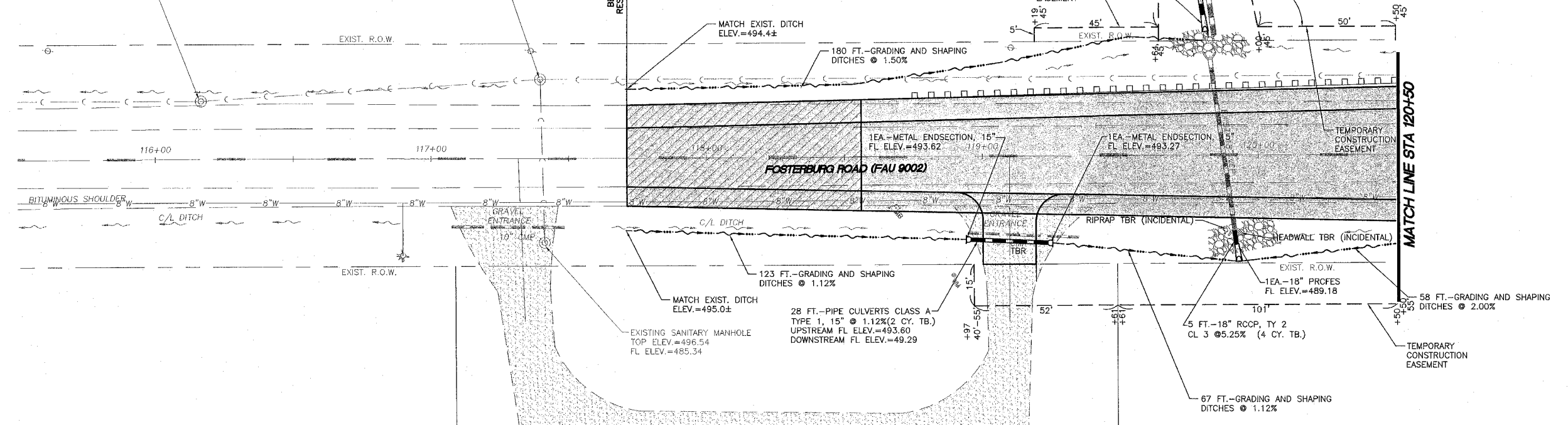
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**CURVE NO.2**  
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 T= 26.08  
 L= 42.93  
 R= 30.0

Station	LT EDGE OF SHOULDER	C/L FOSTERBURG ROAD	RT EDGE OF SHOULDER
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505			
500			
495			
510			
505			
500			
510			
505			
500			

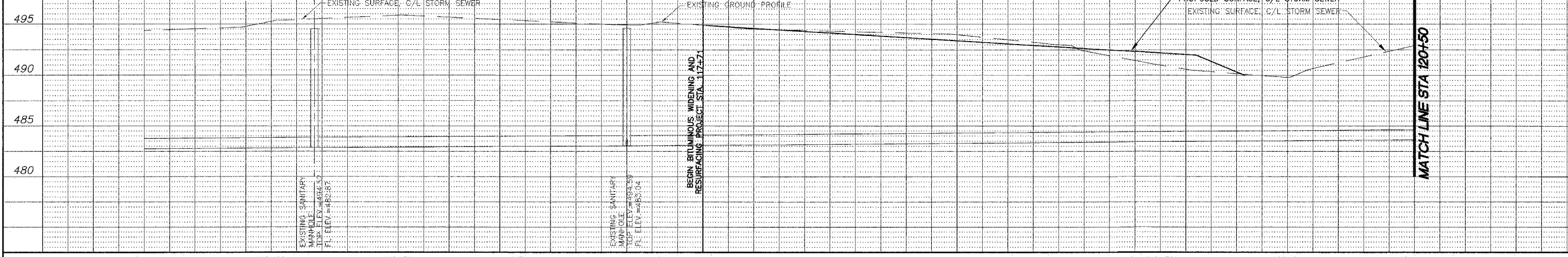


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FL ELEV.=482.87

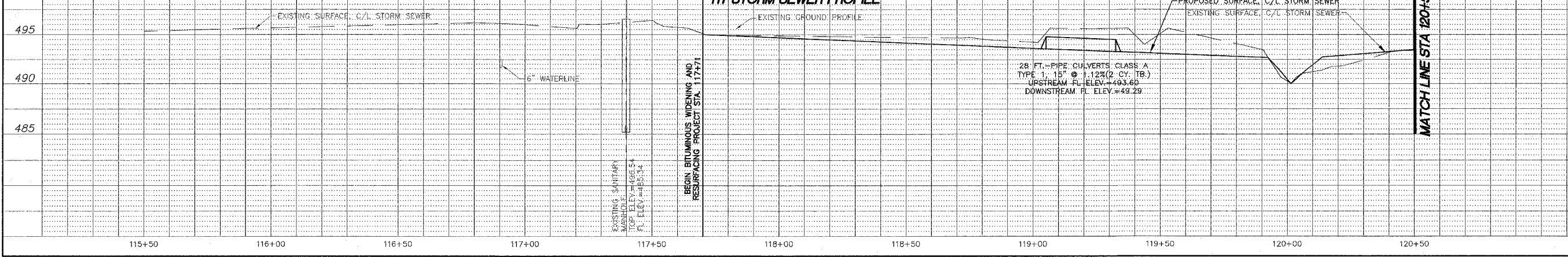
EXISTING SANITARY MANHOLE  
TOP ELEV.=494.59  
FL ELEV.=483.04



**LT STORM SEWER PROFILE**



**RT STORM SEWER PROFILE**



REVISIONS

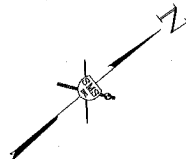
**SMS** Sheppard, Morgan & Schwaab, Inc.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
215 Market Street, P.O. Box E, Alton, IL 62002-6169, 618.937.9755, Email: mail@smsengineers.com  
10 Central Industrial Drive, Granite City, IL 62040-6188, 618.937.8700, E-mail: mail@smsengineers.com

**ENGINEERS**

FOSTERBURG ROAD IMPROVEMENTS-PHASE 1  
ALTON, ILLINOIS  
FAU ROUTE 9002  
ALTON SECTION 03-00218-00-WR  
PLAN AND PROFILE - STORM SEWER

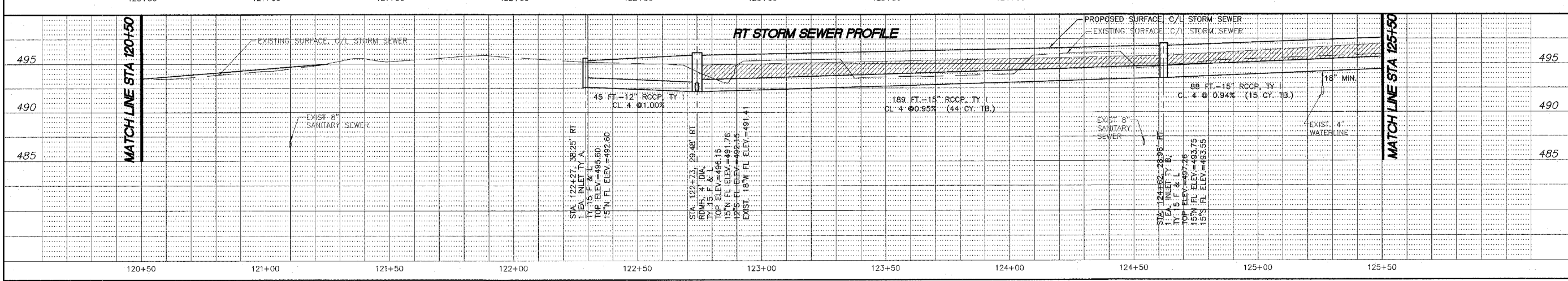
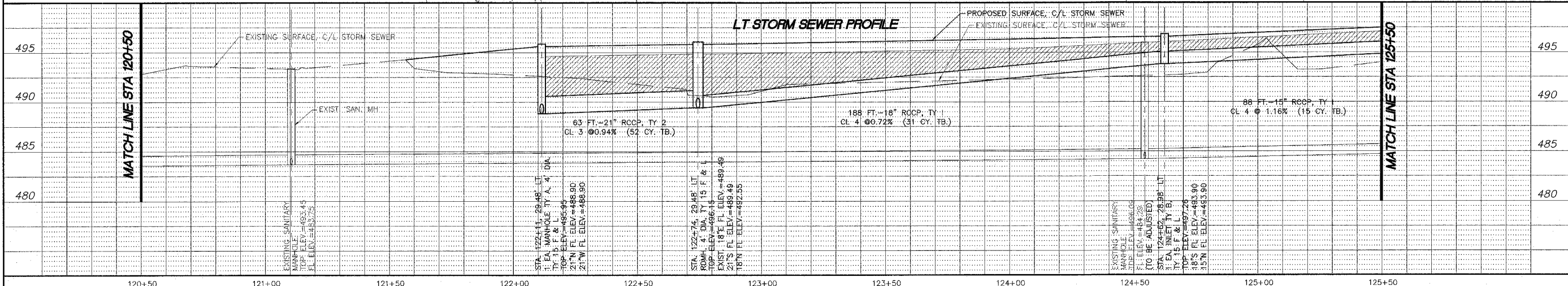
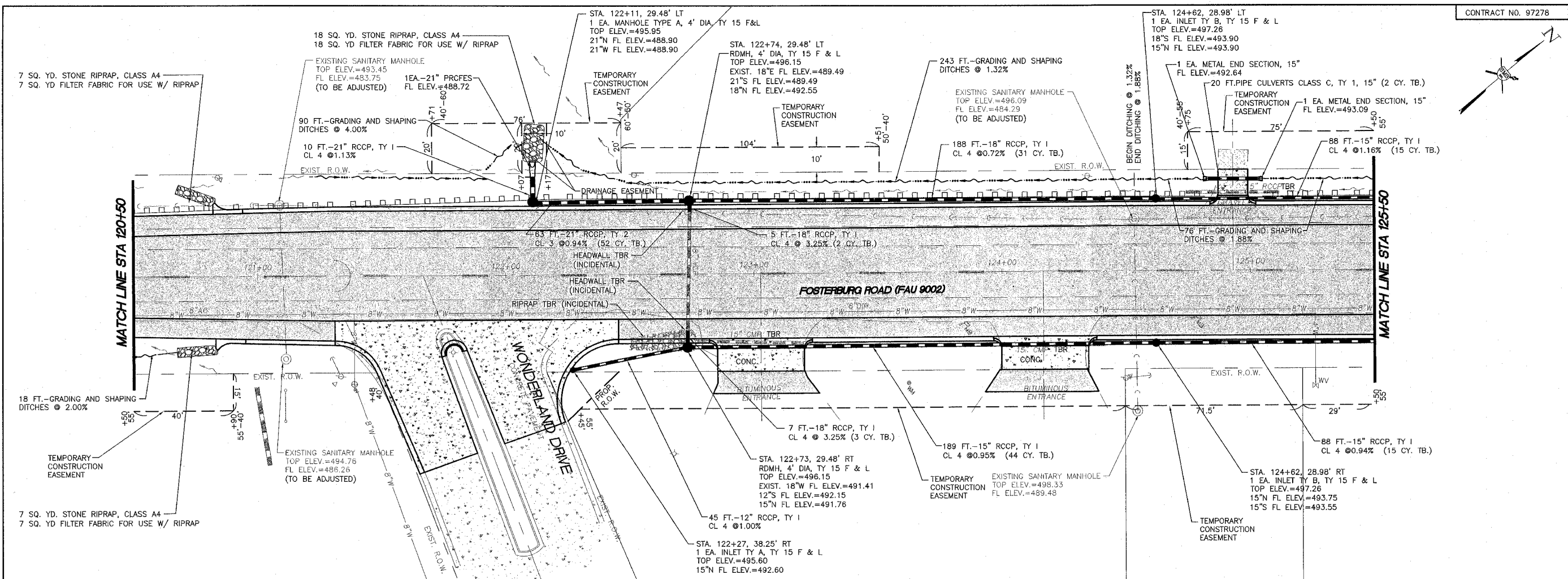
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JOB NO.	205889
DSN. BY:	CLA
DWN. BY:	CDP
CHK. BY:	JHH
DATE:	JANUARY, 2006
SCALE:	HORIZ. 1"=20' VERT. 1"=5'
SHEET	17 OF 38

C:\land projects\Alton Fosterburg Road (205889) - all.dwg\B-StormSewer.dwg, 3/12/2006 8:22:44 AM, 1/20



REVISIONS

**SMS ENGINEERS**  
Sheppard, Morgan & Schwaab, Inc.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
215 Market Street, P.O. Box E, Alton, IL 62002-0155  
Tel: 618.462.0755 Fax: 618.462.0756  
E-mail: mail@smsengineers.com  
10 Central Industrial Drive, Granite City, IL 62040-6188  
Tel: 618.877.9700 Fax: 618.877.9701  
E-mail: mail@smengr.com

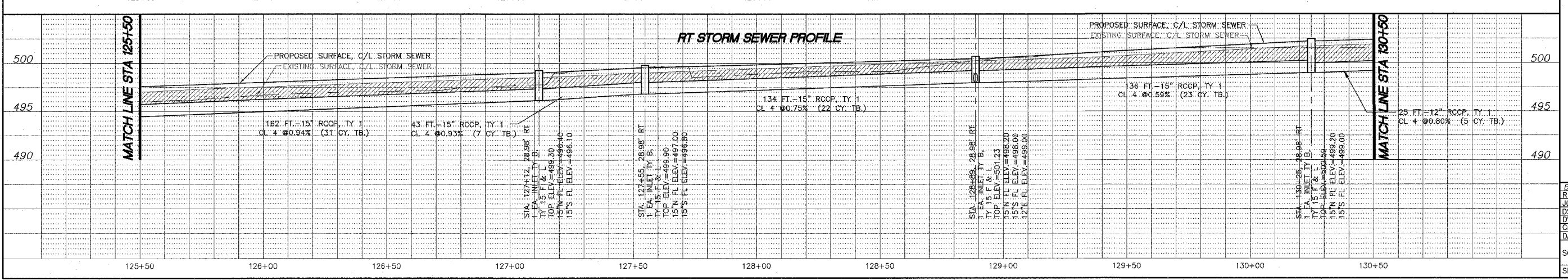
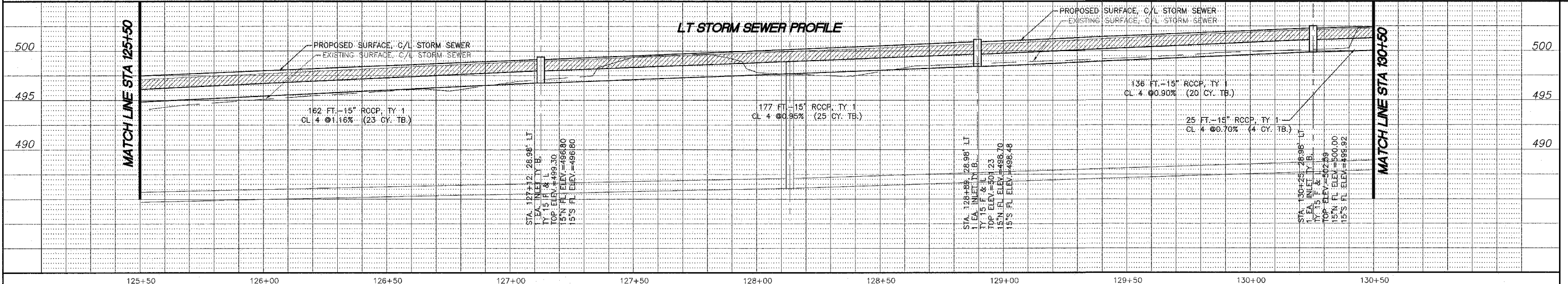
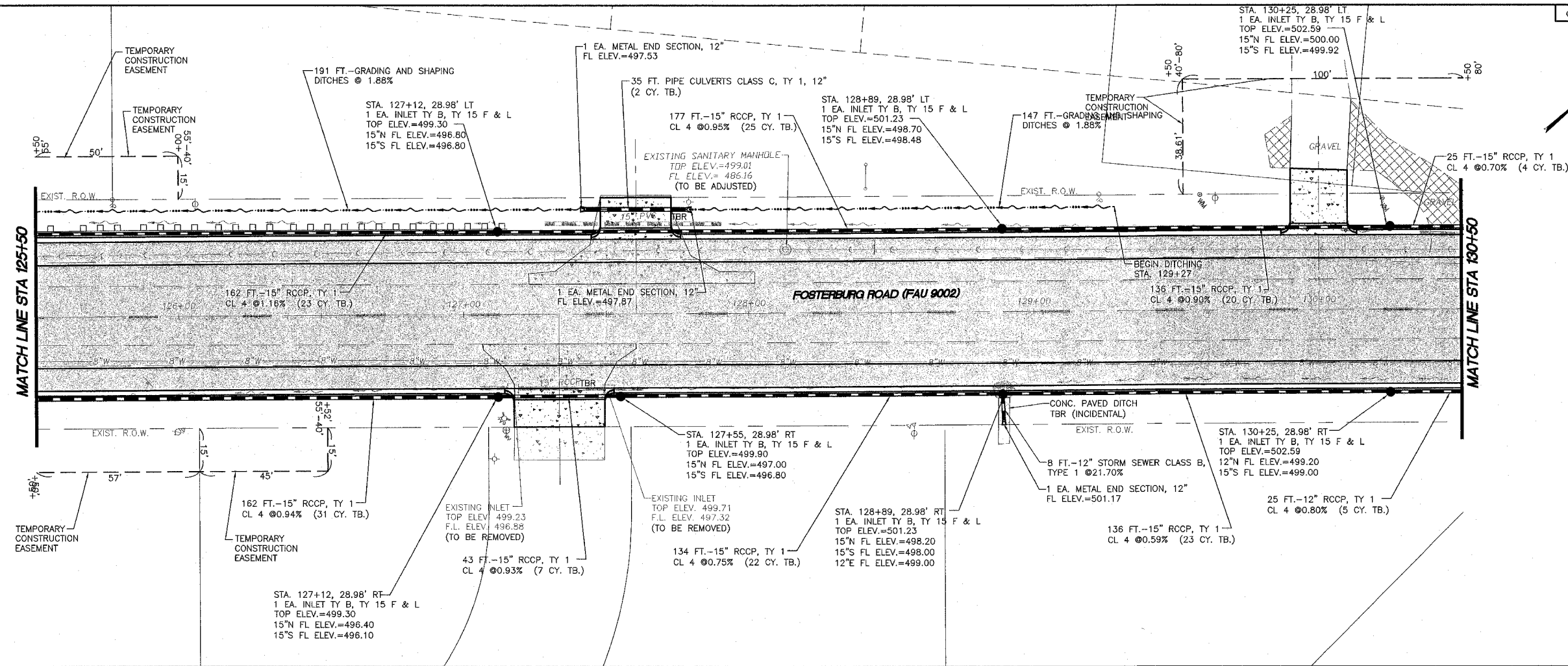


FOSTERBURG ROAD IMPROVEMENTS-PHASE 1  
ALTON, ILLINOIS  
FAU ROUTE 9002  
ALTON SECTION 03-00218-00-WR  
PLAN AND PROFILE - STORM SEWER

B-FOSTERBURG STORM.DWG

REF. BK.	PG.
JOB NO.	205889
DSN. BY:	CLA
DWN. BY:	CDP
CHK. BY:	JHH
DATE:	JANUARY, 2008
SCALE:	HORIZ. 1"=20' VERT. 1"=5'
SHEET	18 OF 38

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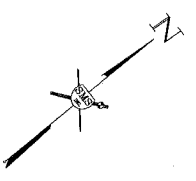
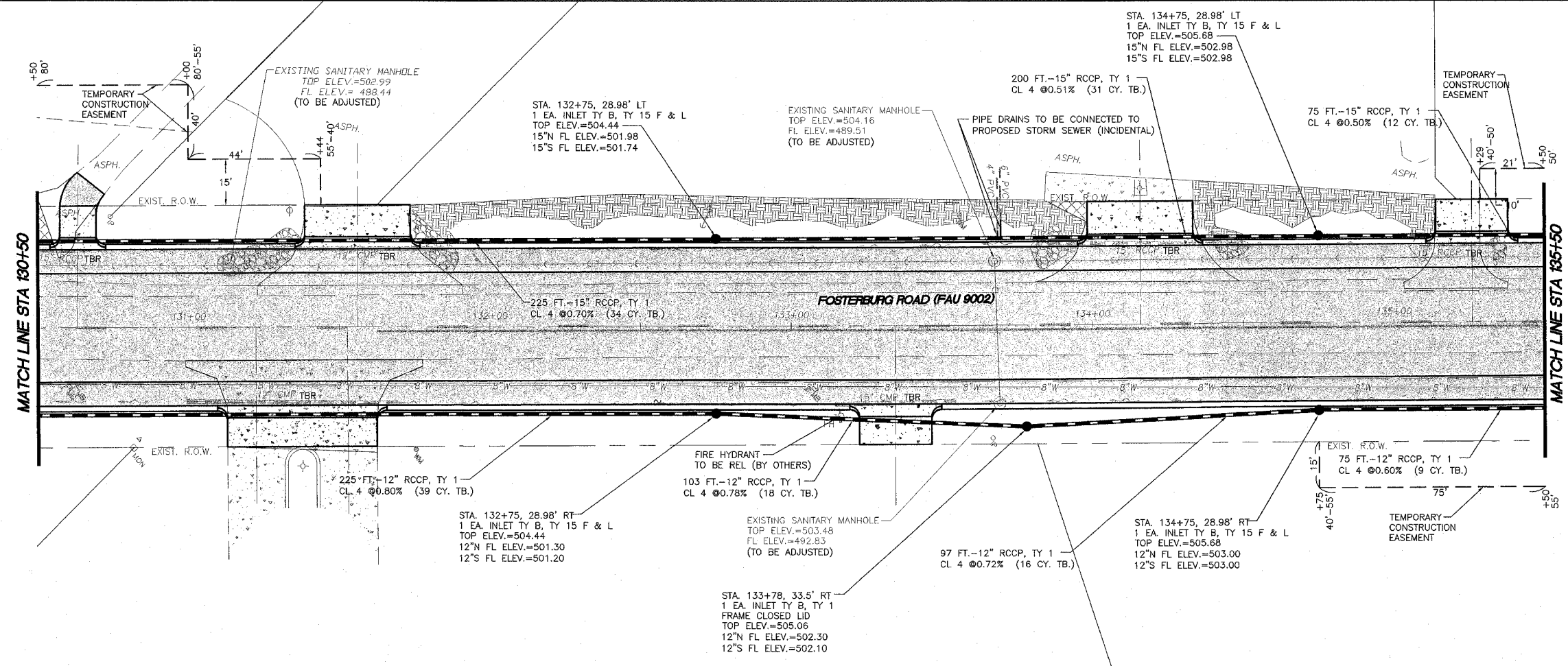
REVISIONS


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 215 Market Street, P.O. Box E, Alton, IL 62002-6755; E-mail: mail@smsengineers.com  
 10 Central Industrial Drive, Granite City, IL 62040-6187; 618-877-8700; E-mail: mail@smsengineers.com

FOSTERBURG ROAD IMPROVEMENTS-PHASE 1  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WR  
 PLAN AND PROFILE - STORM SEWER

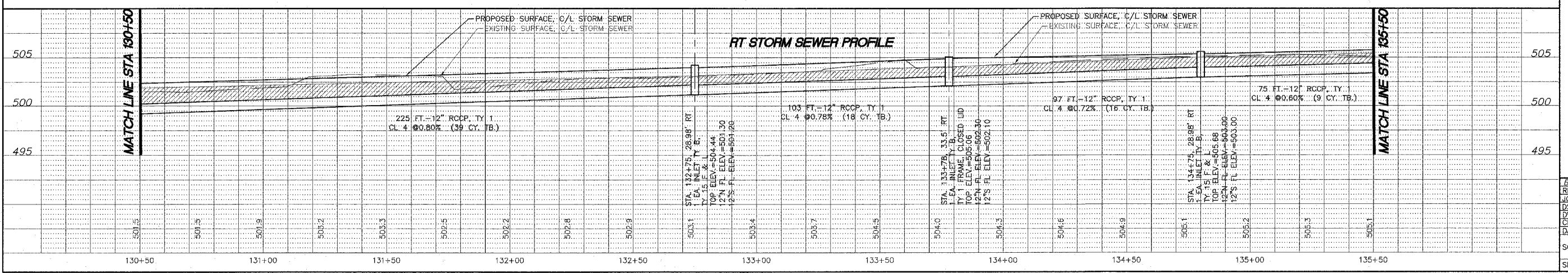
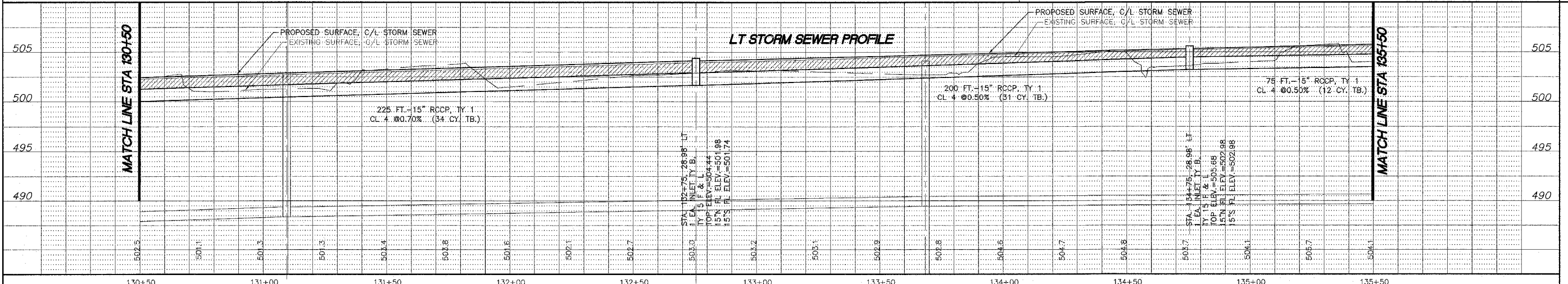
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 REF. BK. PG.  
 JOB NO. 205889  
 DSN. BY: CLA  
 DWN. BY: CJP  
 CHK. BY: JHH  
 DATE: JANUARY, 2006  
 SCALE: HORIZ. 1"=20'  
 VERT. 1"=5'  
 SHEET 19 OF 38

c:\p\land\projects\alton\_fosterburg\road\205889\at\blwy\B-fosterppstom.dwg, 31/1/2006 9:23:44 AM, cprint, 1/20



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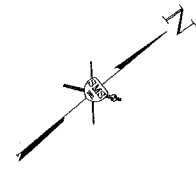
FOSTERBURG ROAD IMPROVEMENTS-PHASE 1  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WR  
 PLAN AND PROFILE - STORM SEWER

R-FOSTERBURG STORM DWS

REF. BK.	PG.
JOB NO.	205889
DSN. BY:	CLA
DWN. BY:	CDP
CHK. BY:	JFH
DATE:	JANUARY, 2006
SCALE:	HORIZ. 1"=20' VERT. 1"=5'
SHEET	20 OF 38

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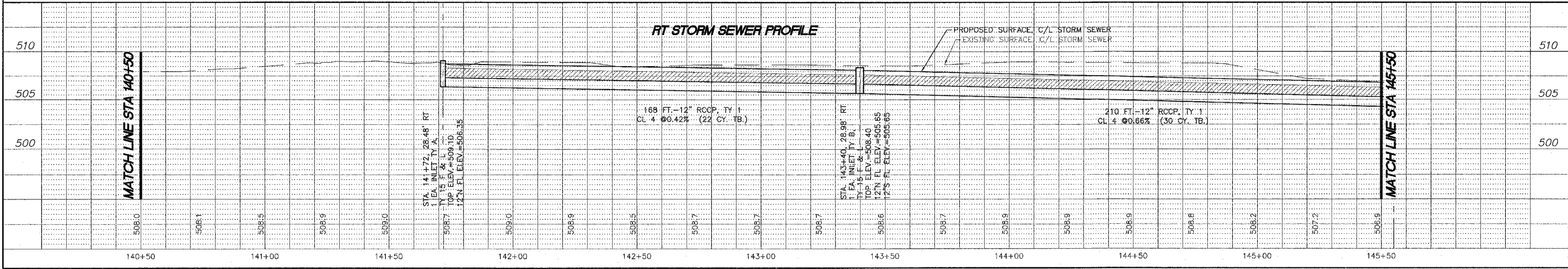
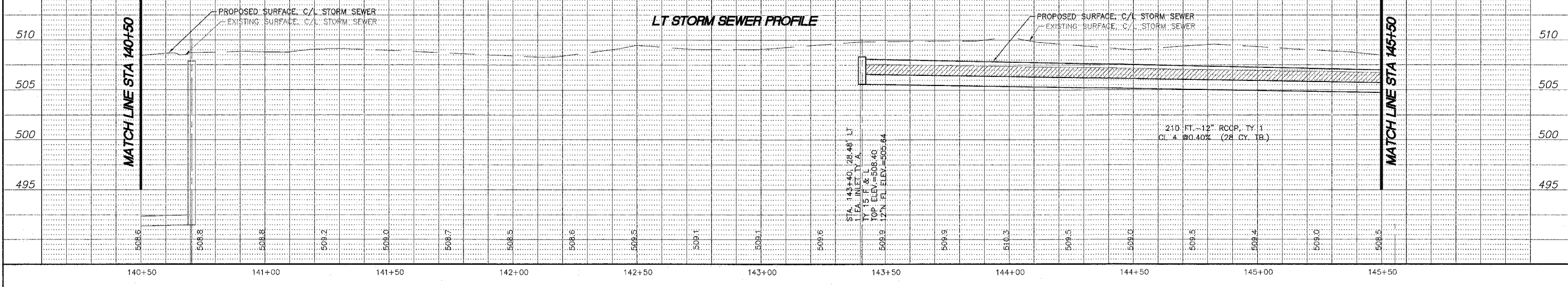
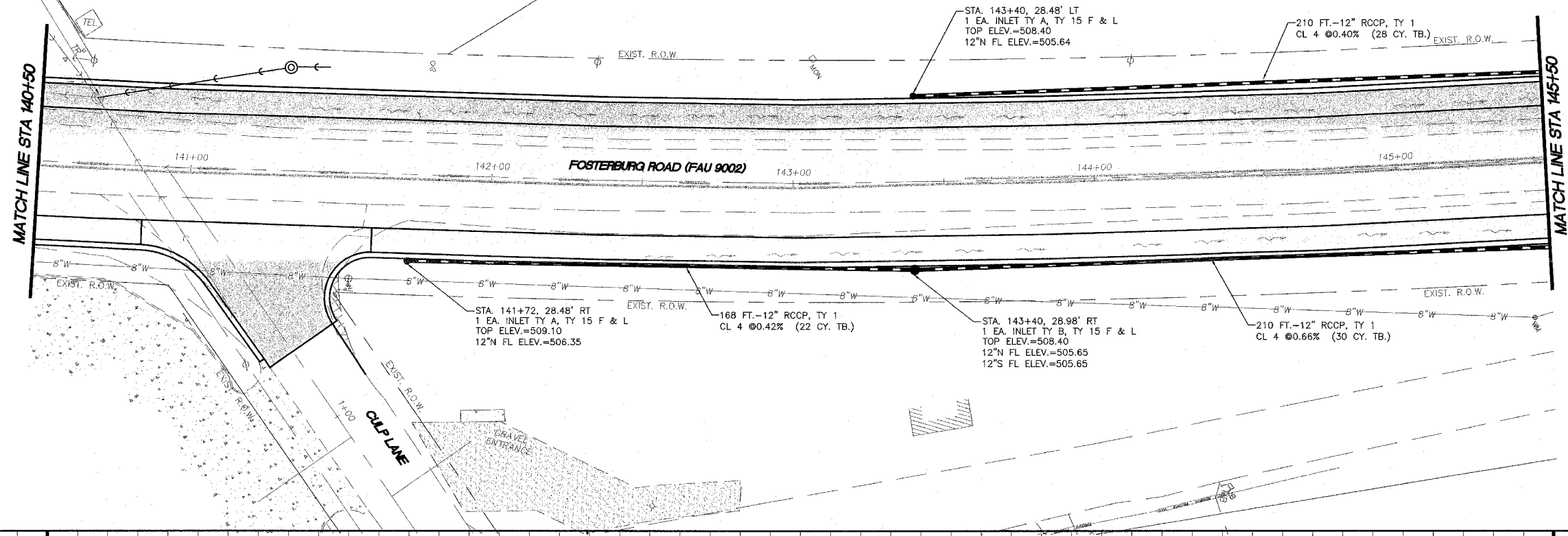




EXISTING SANITARY MANHOLE  
TOP ELEV.=507.94  
FL ELEV.=491.54  
(TO BE ADJUSTED)

MATCH LINE STA 140+50

MATCH LINE STA 145+50

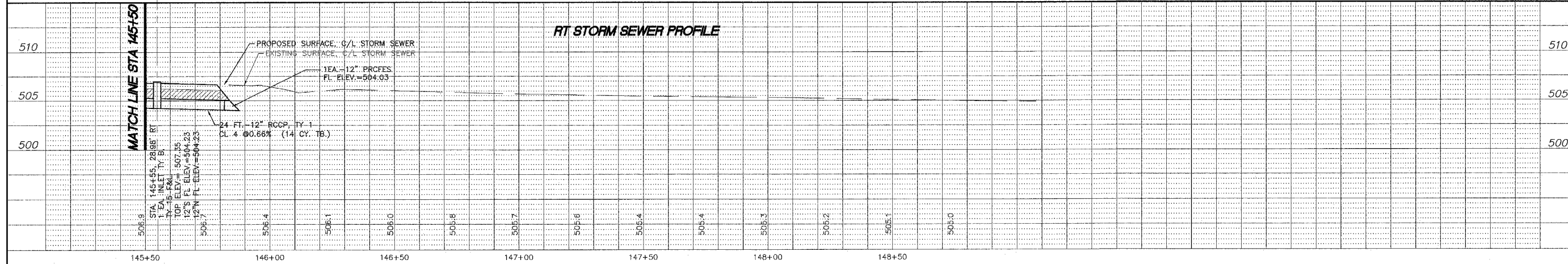
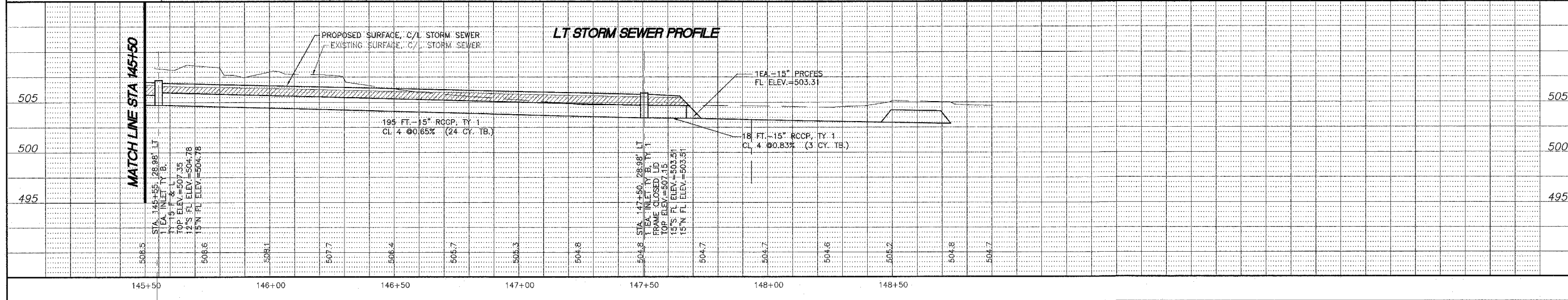
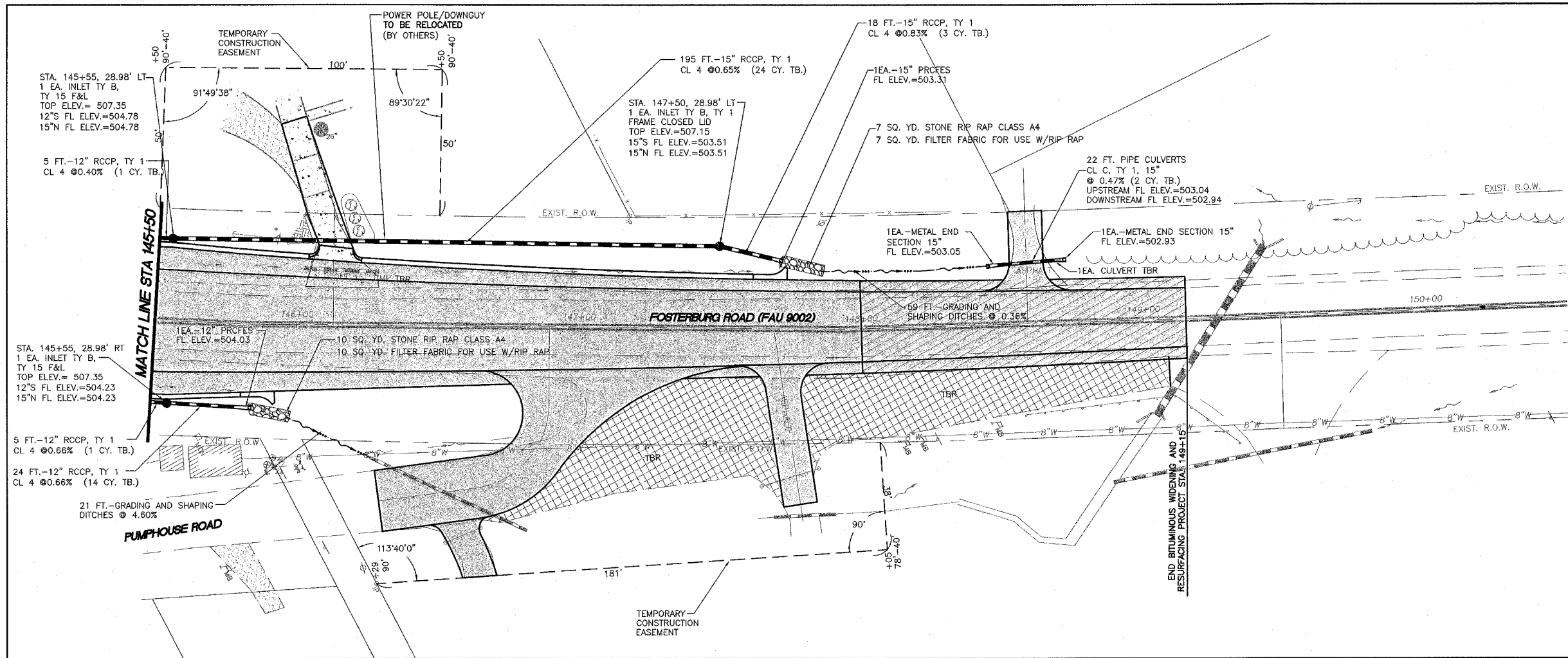
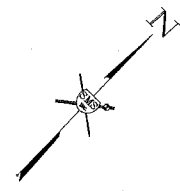


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FOSTERBURG ROAD IMPROVEMENTS-PHASE 1  
ALTON, ILLINOIS  
FAU ROUTE 9002  
ALTON SECTION 03-00218-00-WR  
PLAN AND PROFILE - STORM SEWER

B-FOSTERPPSTORM.DWG  
REF. BK. PG.  
JOB NO. 205889  
DSN. BY: CLA  
DWN. BY: CDP  
CHK. BY: JFH  
DATE: JANUARY, 2006  
SCALE: HORIZ. 1"=20'  
VERT. 1"=5'  
SHEET 22 OF 38



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 10 Central Industrial Drive, Granite City, IL 62040 • 618/877-8700 • E-mail: mail@smsengineers.com

**ENGINEERS**

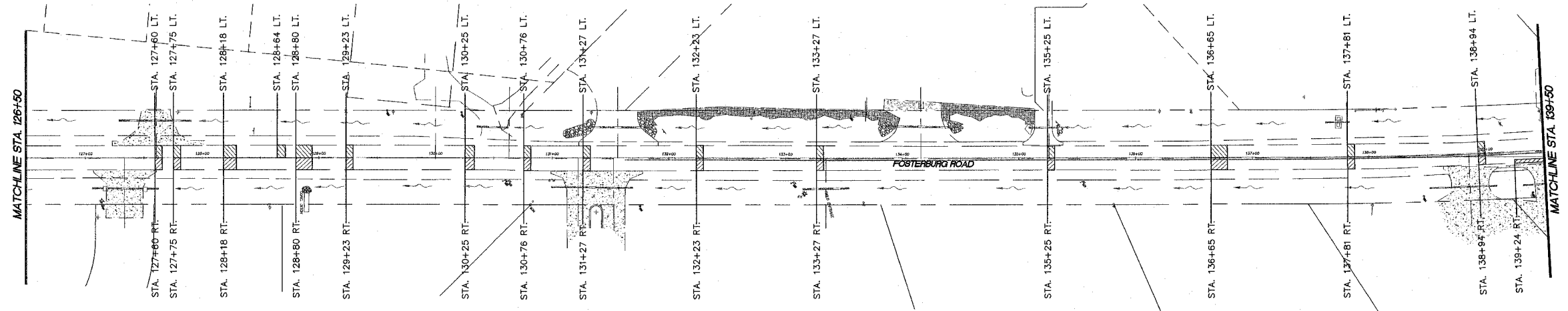
FOSTERBURG ROAD IMPROVEMENTS-PHASE 1  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WR  
 PLAN AND PROFILE - STORM SEWER

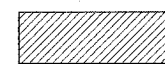
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 SCALE: HORIZ. 1"=20'  
 VERT. 1"=5'  
 SHEET 23 OF 38

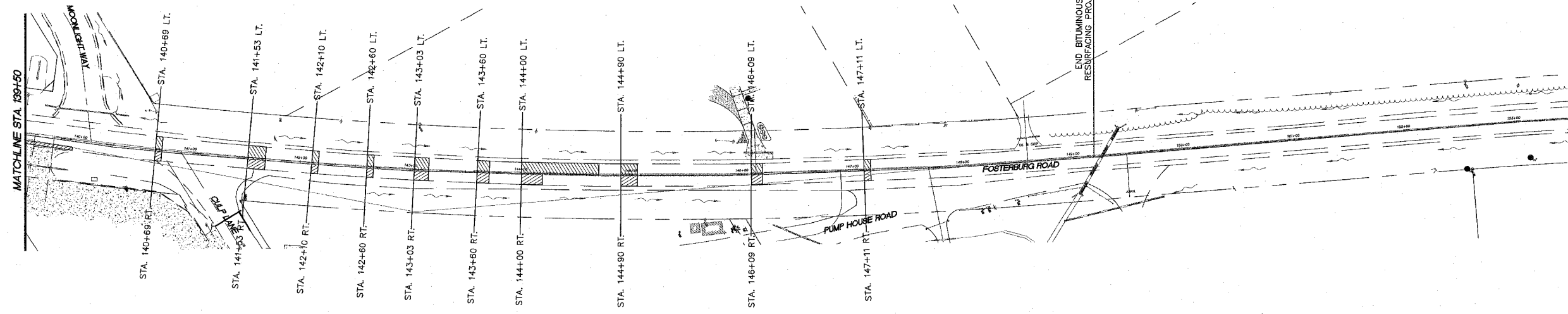
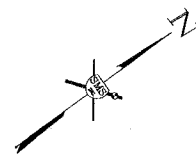
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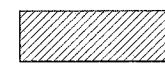


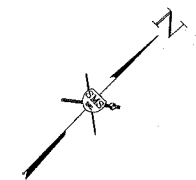




 PAVEMENT PATCHES CLASS AND TYPE AS DESIGNATED ON PAVEMENT PATCHING SCHEDULE (SEE SHEET 24 OF 38)



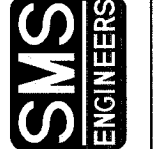
 PAVEMENT PATCHES CLASS AND TYPE AS DESIGNATED ON PAVEMENT PATCHING SCHEDULE (SEE SHEET 24 OF 38)



**FOSTERBURG ROAD IMPROVEMENTS - PHASE 1**  
**ALTON, ILLINOIS**  
**FAU ROUTE 9002**  
**ALTON SECTION 03-00218-00-WR**  
**PAVEMENT PATCHING PLAN**

REVISIONS

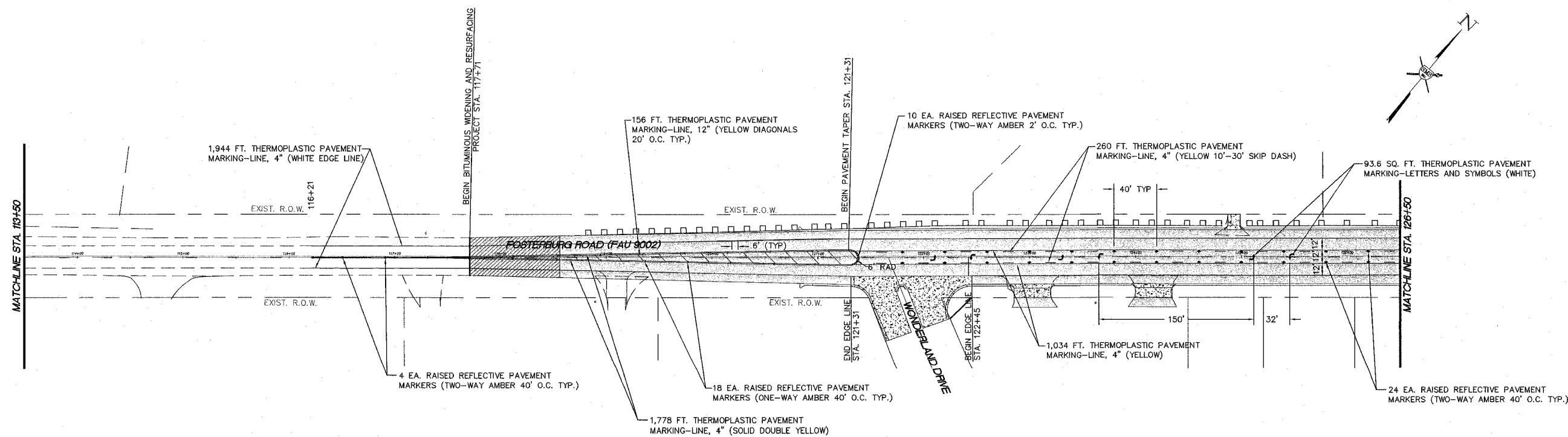
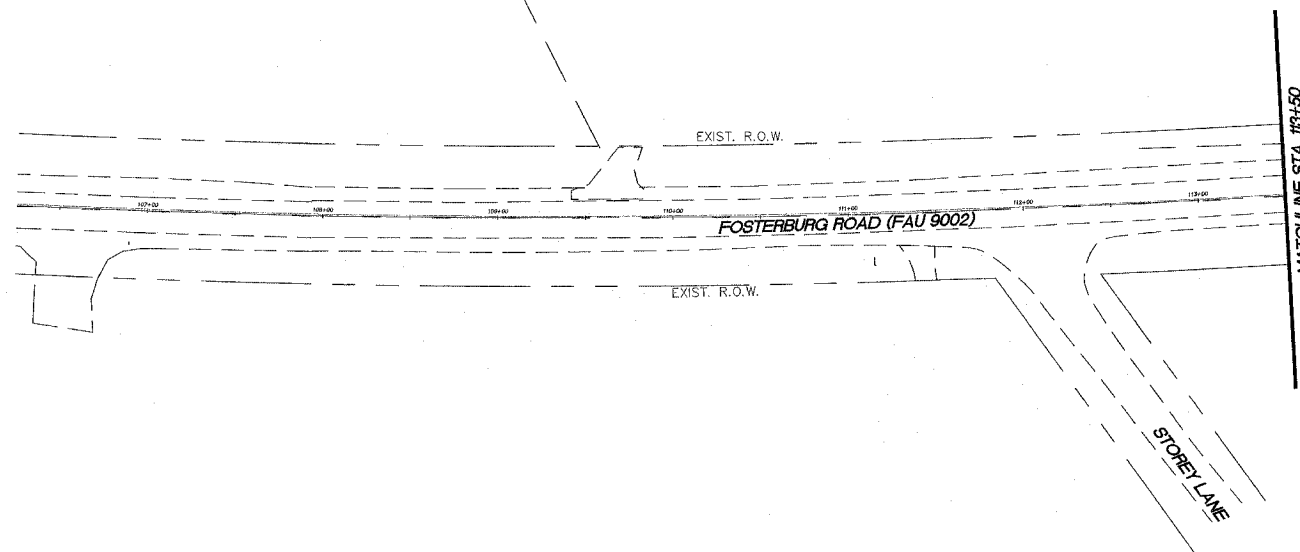
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B-PATCHINGA.DWG
REF. BK. PG.
JOB NO. 205589
DSN. BY. CJA
DWN. BY. CDP
CHK. BY. JHH
DATE: JANUARY, 2006

**PAVEMENT MARKING SCHEDULE**

ITEM	QUANTITY	UNIT
THERMOPLASTIC PAVEMENT MARKING-LINE 4" (YELLOW)	9,362	FOOT
THERMOPLASTIC PAVEMENT MARKING-LINE 4" (WHITE)	6,779	FOOT
TOTAL THERMOPLASTIC 4"	16,141	FOOT
THERMOPLASTIC PAVEMENT MARKING-LINE 12" (YELLOW)	345	FOOT
THERMOPLASTIC PAVEMENT MARKING-LINE 12" (WHITE)	39	FOOT
TOTAL THERMOPLASTIC 12"	384	FOOT
THERMOPLASTIC PAVEMENT MARKING-LETTERS & SYMBOLS	390	SQ. FT.
▲ RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL)	5	EACH
▲ RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER)	38	EACH
◆ RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER)	132	EACH
TOTAL REFLECTORS	175	EACH
RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	86	EACH

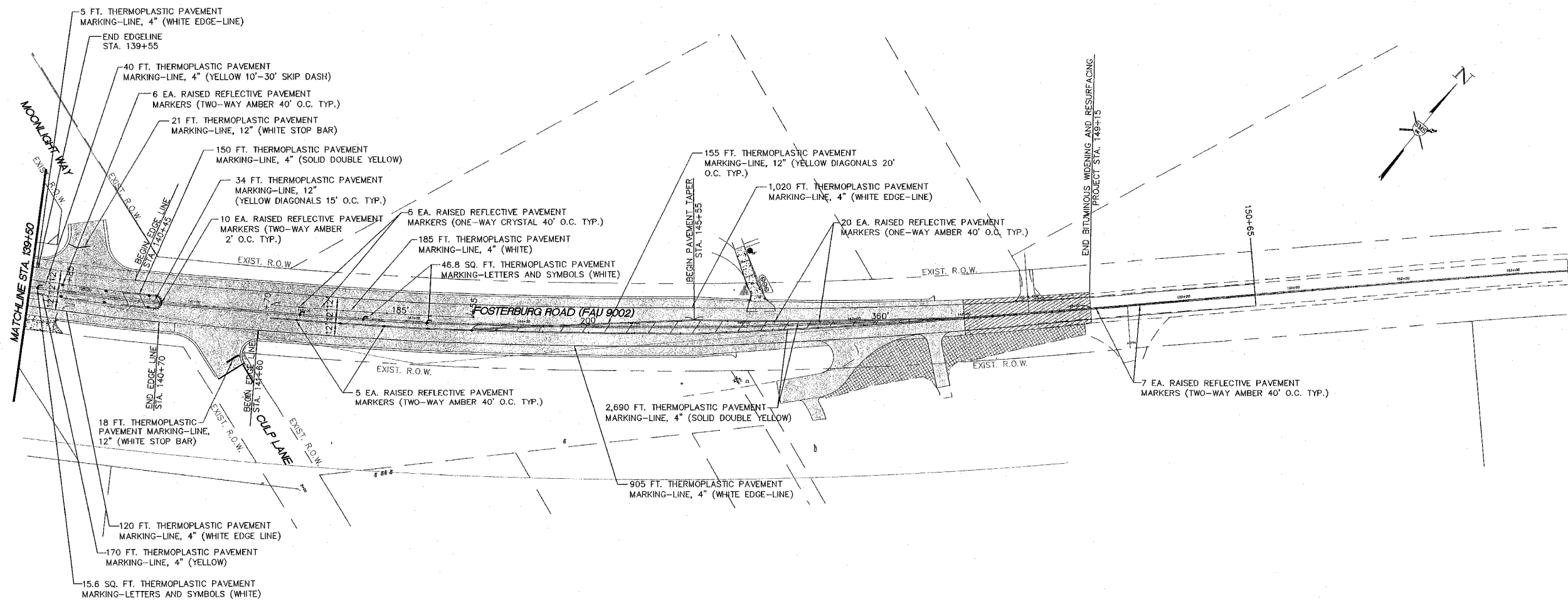
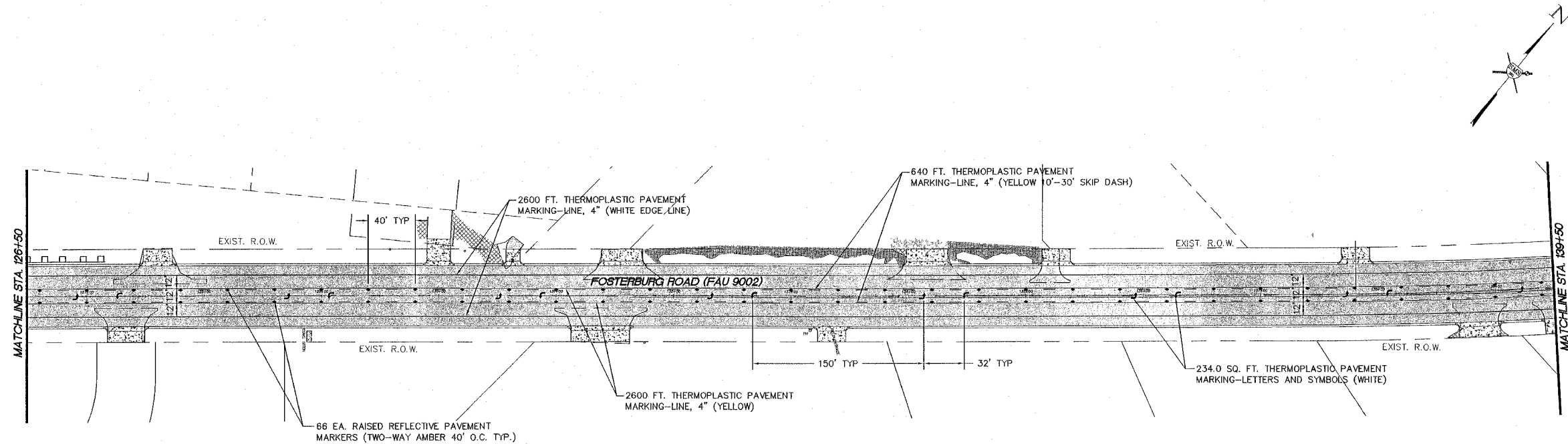


**FOSTERBURG ROAD IMPROVEMENTS - PHASE 1**  
**ALTON, ILLINOIS**  
**FAU ROUTE 9002**  
**ALTON SECTION 03-0021B-00-WR**  
**PAVEMENT MARKING PLAN**

B--PROPOSED STRIPING.DWG  
 REF. BK. PG.  
 JOB NO. 20588G  
 DSN. BY: CLA  
 DWN. BY: CDP  
 CHK. BY: JHH  
 DATE: JANUARY, 2006  
 SCALE: 1"=50'  
 SHEET 26 OF 38

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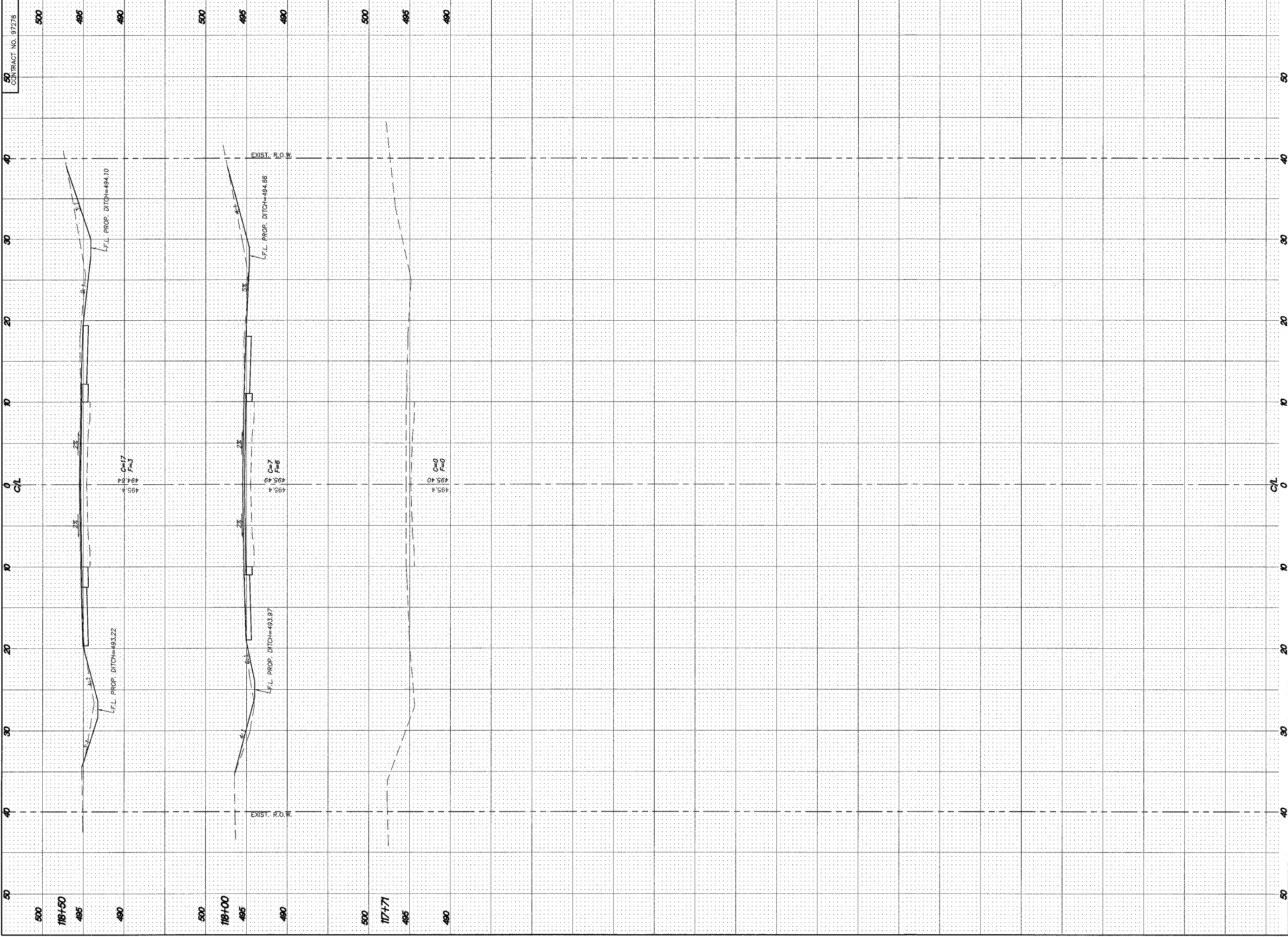
REVISIONS

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 10 Central Industrial Drive, Granite City, IL 62040 • 618/877-3700 • E-mail: [mail@smsengineers.com](mailto:mail@smsengineers.com)

**FOSTERBURG ROAD IMPROVEMENTS - PHASE 1**  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WR  
 PAVEMENT MARKING PLAN

R-PROPOSED STRIPING.DWG	
REF. BK.	PG.
JOB NO.	205889
DSN. BY:	CLA
OWN. BY:	CDP
CHK. BY:	JHH
DATE:	JANUARY, 2006
SCALE: 1"=50'	
SHEET 27 OF 38	

\\pc-lan\projects\alton\_fosterburg\Road (205889) all\dwg\B-proposed striping.dwg, 3/15/2006 9:51:02 AM, gsmatt, 1:50



50 CONTRACT NO. 97278

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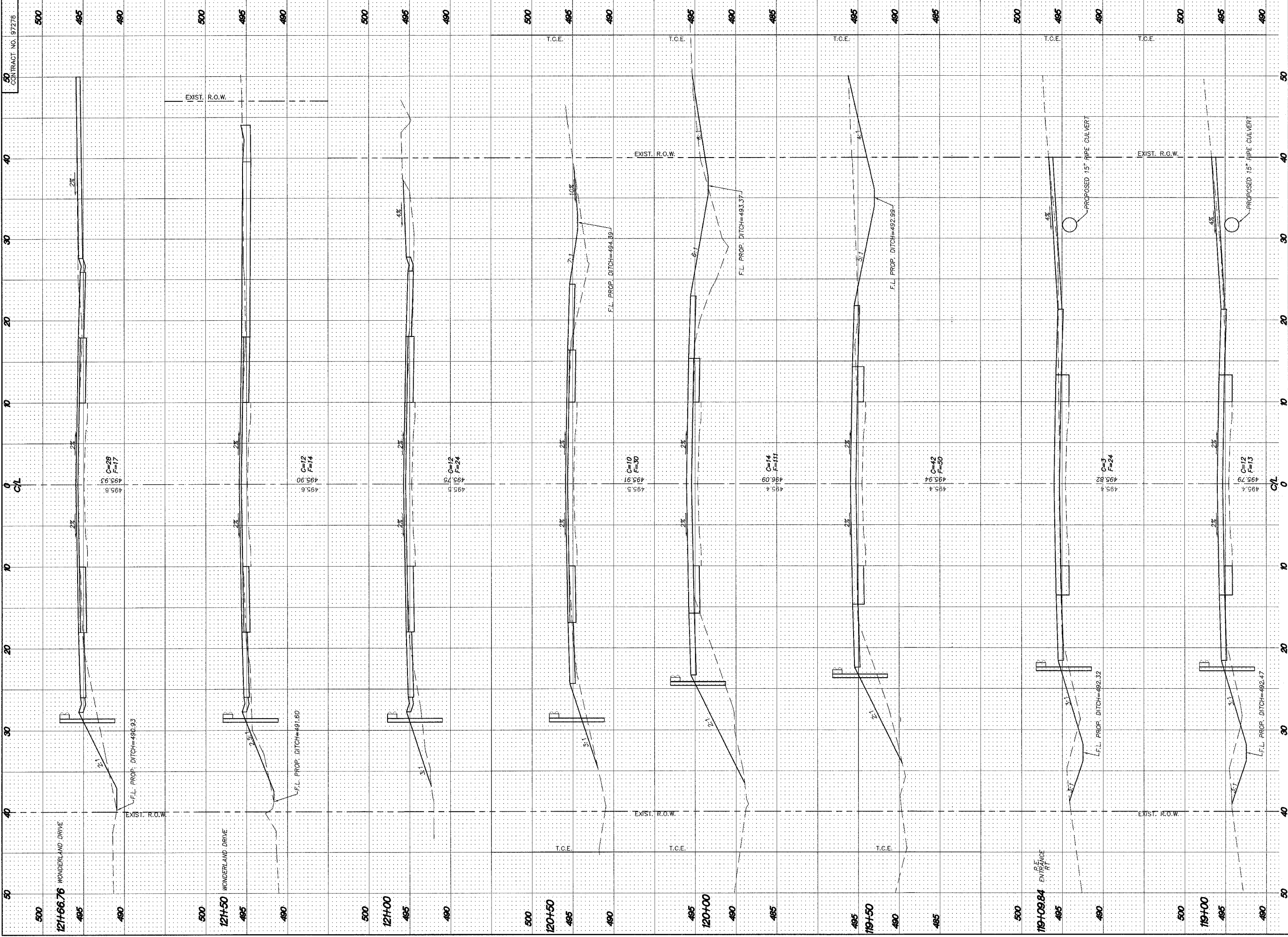
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 213 Market Street, P.O. Box E, Alton, IL 62002 • 618/662-9785 • E-mail: [ms@smssurvey.com](mailto:ms@smssurvey.com)  
 19 Central Industrial Drive, Central City, IL 62834 • 618/877-5700 • E-mail: [ms@smssurvey.com](mailto:ms@smssurvey.com)

FOSTERBURG ROAD IMPROVEMENTS-PHASE 1  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WR  
 CROSS SECTIONS

B-B-XSEC SHEETS.DWG  
 REF. BK. PG.  
 JOB NO. 205889  
 DSN. BY: CLA  
 DWN. BY: CDP  
 CHK. BY: JWH  
 DATE: JANUARY, 2006  
 SCALE: HORIZ. 1"=5'  
 VERT. 1"=5'  
 SHEET 28 OF 38



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**FOSTERBURG ROAD IMPROVEMENTS-PHASE 1**  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WR  
 CROSS SECTIONS

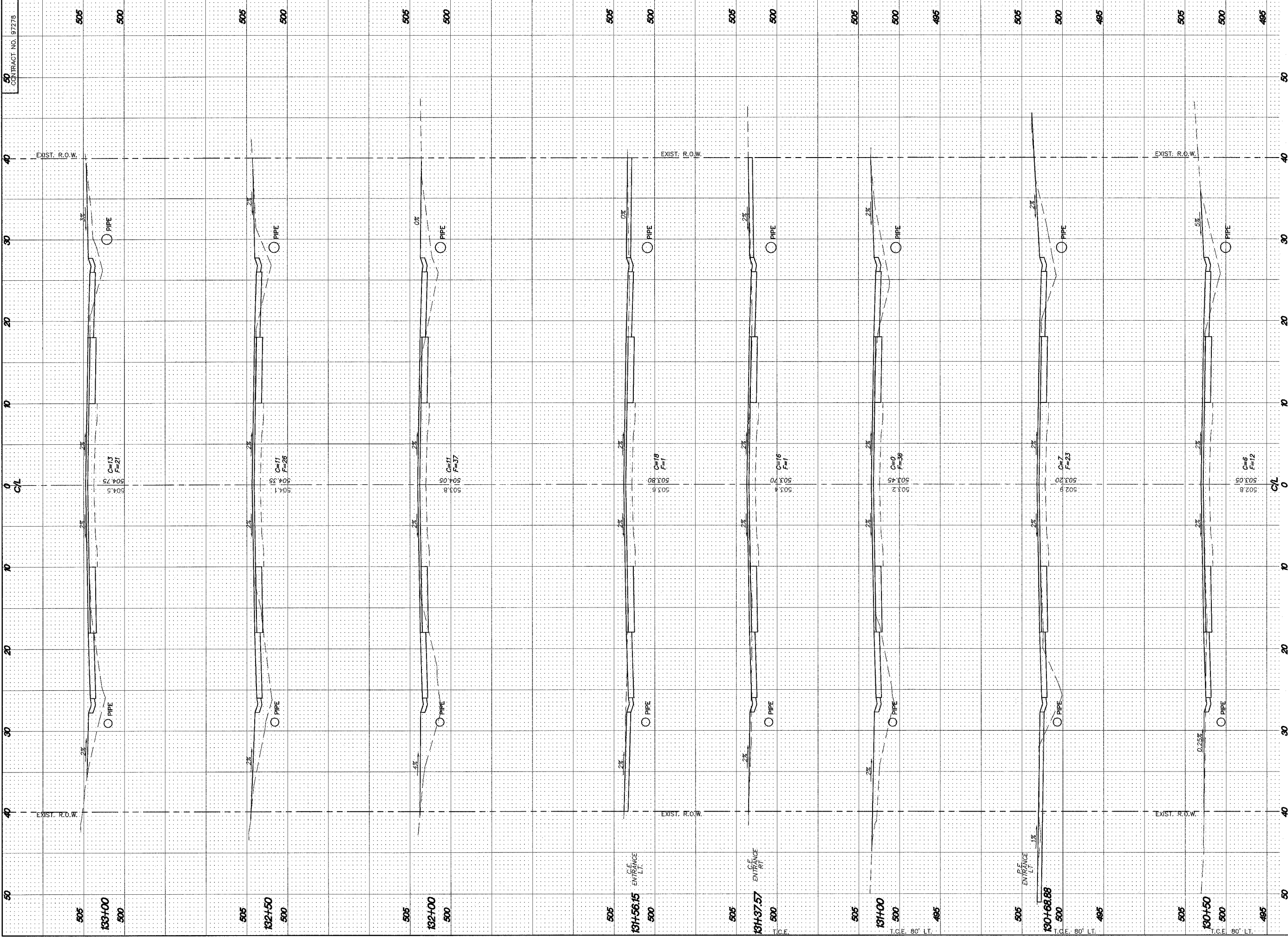
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DWN. BY: CQP	
CHK. BY: JHH	
DATE: JANUARY, 2006	
SCALE: HORIZ. 1"=5'	
VERT. 1"=5'	
SHEET 29 OF 38	











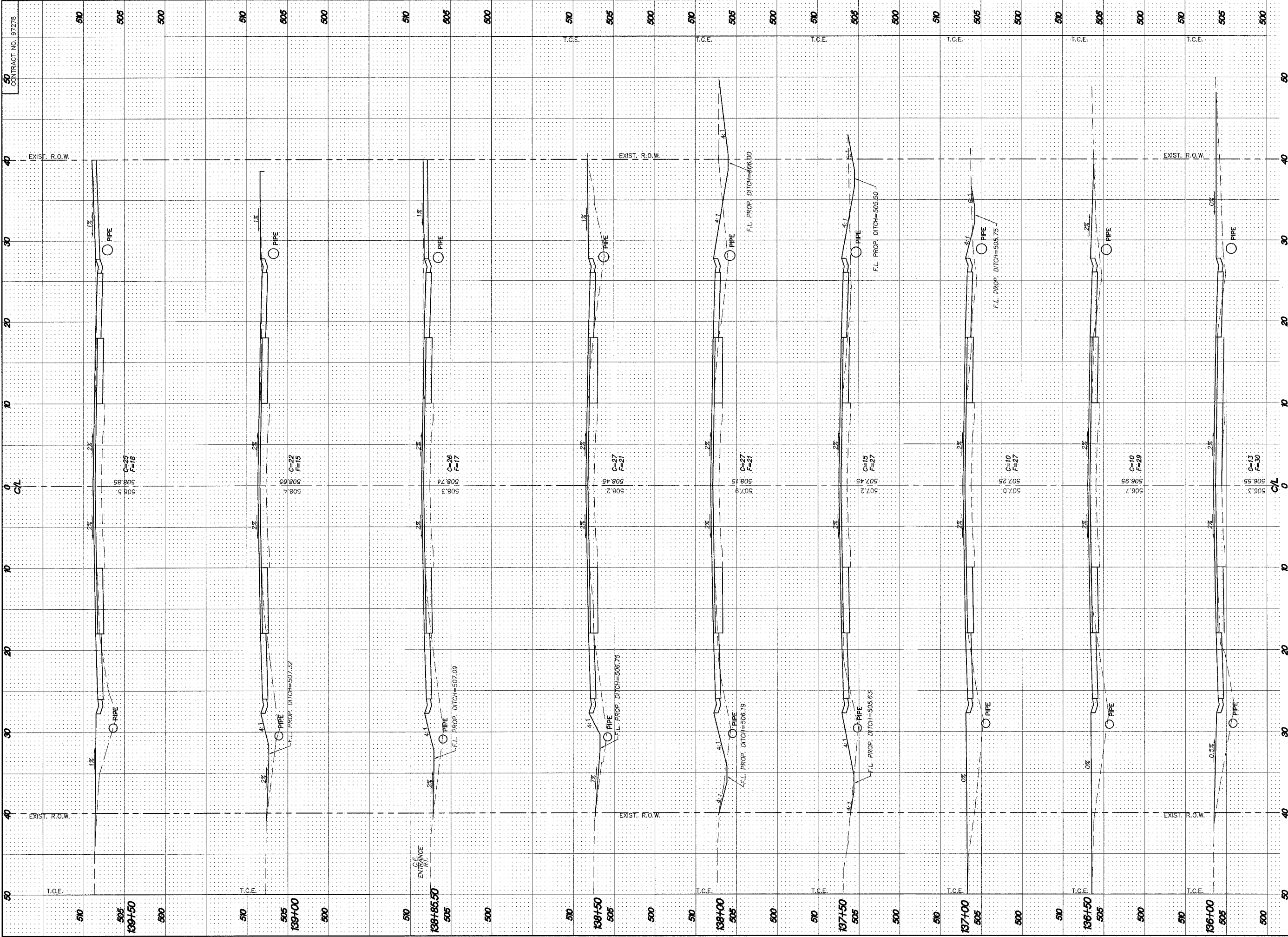
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 70 Central Industrial Drive, Granite City, IL 62040-6187 (618) 774-0101 • E-mail: [mjg@smsengineers.com](mailto:mjg@smsengineers.com)

**FOSTERBURG ROAD IMPROVEMENTS-PHASE 1**  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WR  
 CROSS SECTIONS

B-XSEC SHEETS.DWG  
 REF. BK. PG.  
 JOB NO. 205889  
 DSN. BY: CLA  
 DWN. BY: CDP  
 CHK. BY: JWH  
 DATE: JANUARY, 2006  
 SCALE: HORIZ. 1"=5'  
 VERT. 1"=5'  
 SHEET 33 OF 38





NO.	DESCRIPTION

**SMS ENGINEERS**  
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**FOSTERBURG ROAD IMPROVEMENTS-PHASE 1**  
 ALTON, ILLINOIS  
 FAU ROUTE 9002  
 ALTON SECTION 03-00218-00-WR  
 CROSS SECTIONS

B-XSEC SHEETS.DWG
REF. BK. PG.
JOB NO. 205889
DSN. BY: CLA
DWN. BY: CDP
CHK. BY: JWH
DATE: JANUARY, 2006
SCALE: HORIZ. 1"=5'
VERT. 1"=5'
SHEET 35 OF 38





