

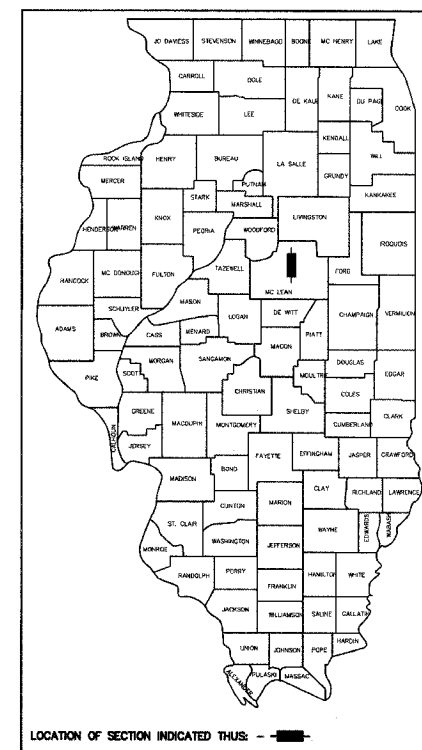
F.A. ETC.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385	96-00306-00-SP	McLEAN	30	1
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

IDOT STANDARDS

- 280001-03 Temporary Erosion Control Systems
- 424001-04 Curb Ramps for Sidewalks
- 482011-02 Bit. Shoulder Strips/Shoulders With Resurfacing or Widening and Resurfacing Projects
- 542101-01 Reinforced Concrete End Sections for Pipe Culverts 375 mm (15") thru 900 mm (36") Diameter at Right Angles With Roadway
- 602301-01 Inlet, Type A
- 602306-01 Inlet, Type B
- 602401-01 Manhole, Type A
- 602601-01 Precast Reinforced Concrete Flat Slab Top
- 604006-02 Frame and Grate, Type 3
- 606001-03 Concrete Curb Type B and Combination Concrete Curb and Gutter
- 606201-01 Type B Gutter (Inlet, Outlet, and Entrance)
- 606301-02 PC Concrete Islands and Medians
- 606306-02 Corrugated PC Concrete Medians
- 606401 Paved Ditch
- 701326-02 Lane Closure, 2L, 2W, Pavement Widening for Speeds > 45 MPH
- 701501-03 Urban Lane Closure, 2L, 2W, Undivided
- 701601-04 Urban Lane Closure, Multilane 1W or 2W with Nontraversable Median
- 701701-04 Urban Lane Closure, Multilane Intersection
- 702001-06 Traffic Control Devices
- 720001 Sign Panel Mounting Details
- 780001-01 Typical Pavement Markings
- 814001-01 Concrete Handholes
- 857001 Standard Phase Designation Diagrams and Phase Sequences
- 877001-02 Steel Mast Arm Assembly and Pole
- 878001-05 Concrete Foundation Details
- 880006 Traffic Signal Mounting Details
- 885001 Detector Loop Installations
- 885006 Typical Layouts for Detection Loops

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED FEDERAL HAZARD ELIMINATION SAFETY PROGRAM
CITY OF BLOOMINGTON AND McLEAN COUNTY HIGHWAY DEPARTMENT
MARTIN LUTHER KING JR. DRIVE AND WHITE OAK ROAD
SECTION 96-00306-00-SP
PROJECT NUMBER HS-M-6385(002)
JOB NUMBER C-95-310-06

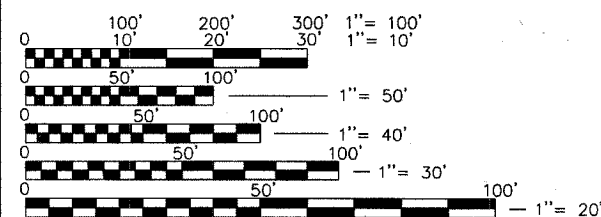
A part of the E.1/2 of Sec. 31, T. 24 N., R. 2 E., 3 P.M., City of Bloomington, McLean County, Illinois
 and a part of the W.1/2 of Sec. 32, T. 24 N., R. 2 E., 3 P.M., Town of Normal, McLean County, Illinois



Index of Sheets

Sht. No.	Title
1	Cover Sheet
2-3	Typical Sections & Quantity Summary
4-5	Schedules & Quantity Summary
6-7	Demolition Plans
8-9	Martin Luther King Jr. Drive Plan & Profile
10-11	White Oak Road Plan & Profile
12-14	Traffic Signal Plans
15-18	Martin Luther King Jr. Drive Cross Sections
19-23	White Oak Road Cross Sections
24-28	IDOT Standards
29-30	Erosion Control & Pavement Marking Plans

- Benchmark #1**
 "□" Chiseled on the Concrete Base of the Railroad Signal on the South West Corner of Martin Luther King Jr. Drive and White Oak Road. 771.54
- Benchmark #2**
 Top of Operating Nut on First Fire Hydrant on the East Side of White Oak Road North of Martin Luther King Jr. Drive. 770.50
- Benchmark #3**
 Spike in 2nd Power Pole South of Martin Luther King Jr. Drive on the East Side of White Oak Road. 767.11



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

CALL JULIE. BEFORE YOU DIG: 1-800-892-0123

CONTRACT NO. 91362

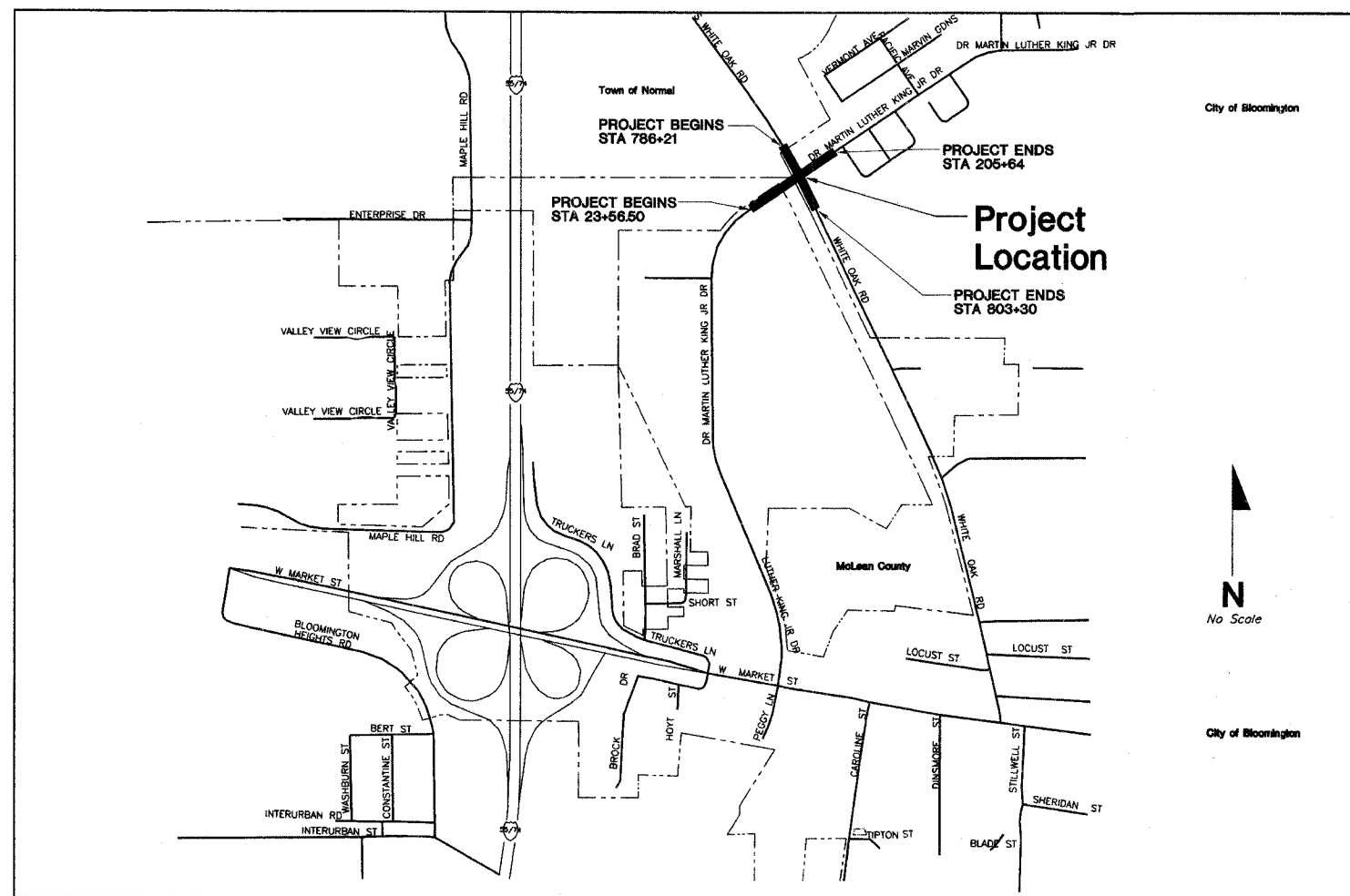
DESIGN DESIGNATION

MARTIN LUTHER KING JR. DRIVE:
 EXISTING ADT: 2006 = 4431
 PROPOSED ADT: 2026 = 14264
 5.7% SU/MU
 94.3% PU

WHITE OAK ROAD:
 EXISTING ADT: 2006 = 6591
 PROPOSED ADT: 2026 = 13,786
 6% SU/MU
 94% PU

FUNCTIONAL CLASSIFICATION:
 MARTIN LUTHER KING JR. DRIVE = LOCAL COLLECTOR HIGHWAY
 WHITE OAK ROAD = LOCAL ROAD

THE PROPOSED STREET IMPROVEMENTS FOR MARTIN LUTHER KING JR. DRIVE AND WHITE OAK ROAD RECONSTRUCTION WERE DESIGNED IN ACCORDANCE WITH THE FEDERAL AID PROCEDURES FOR LOCAL HIGHWAY IMPROVEMENTS.



Location Map
 GROSS LENGTH OF IMPROVEMENT: 3020' = 0.57 MILES
 NET LENGTH OF IMPROVEMENT: 2640' = 0.50 MILES

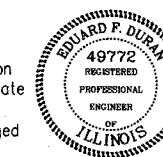
APPROVED _____ 11-29 2006
 JACK MITCHELL COUNTY ENGINEER
 McLEAN COUNTY HIGHWAY DEPARTMENT

APPROVED _____ Nov. 29 2006
 DOUG GROVESTEEN DIRECTOR OF ENGINEERING
 CITY OF BLOOMINGTON

PASSED _____ 12/12 2006
 DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID BASED UPON LIMITED REVIEW _____ Dec 12 2006
 DEPUTY DIRECTOR OF HIGHWAYS REGION 3 ENGINEER

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



Edward F. Duran 6/28/06
 EDUARD F. DURAN I.R.P.E. #49772 DATE

Lewis, Yockey & Brown, Inc.
 Consulting Engineers & Land Surveyors

505 North Main Street Bloomington, Illinois Ph. (309) 829-2552
 222 East Center Street LeRoy, Illinois Ph. (309) 962-8151
 155 South Elm Street El Paso, Illinois Ph. (309) 527-2552

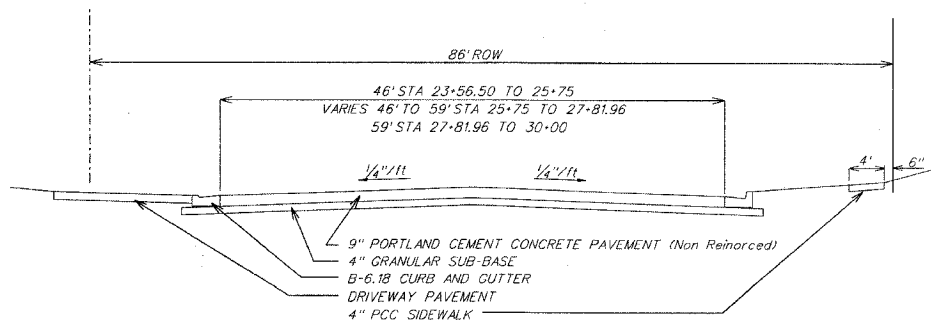
Rev. 11-3-05
 6-27-06
 464/558
 MB/sn
 EFD
 EFD

Martin Luther King Jr Drive and White Oak Road Construction Plans Cover Sheet

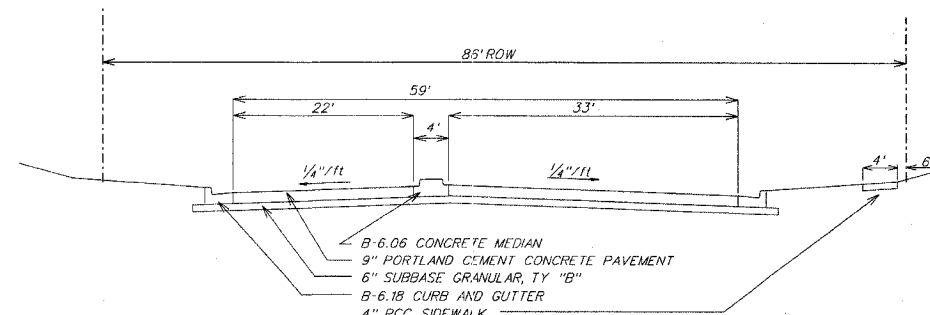
Sheet **1** of 30

4018.63

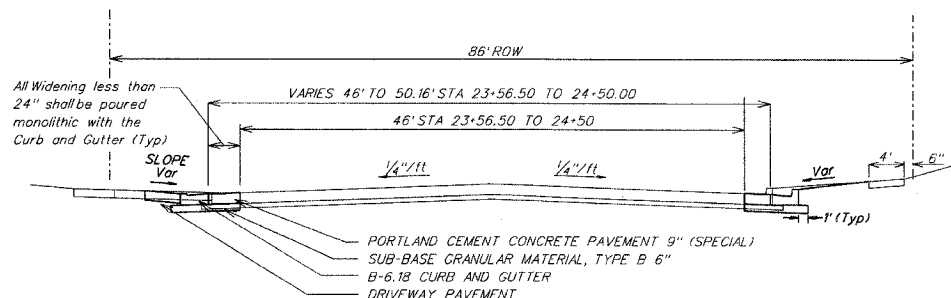
F.A.C. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385	96-00306-00-SP	McLean	30	2
STA. TO STA.		TO STA.		
FED. ROAD DIST. NO.	LLHRS	FED. RD PROJECT		



Martin Luther King Jr. Drive
Existing Typical Section
STA 23+56.50 TO STA 30+00
(NO SCALE)

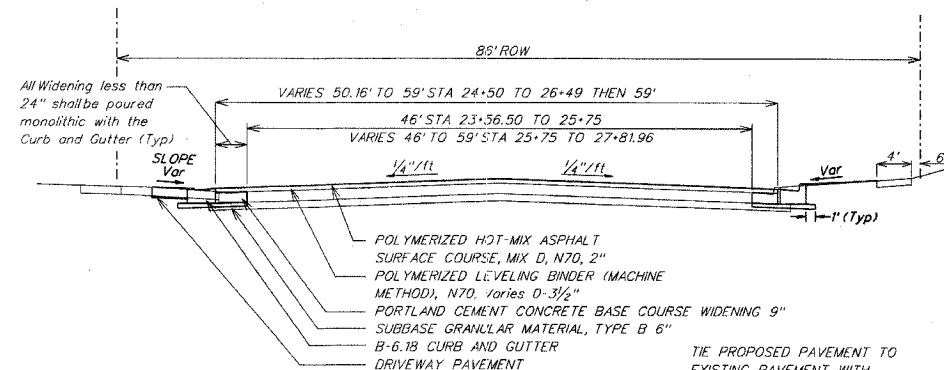


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Existing Typical Section
STA 30+00 TO STA 31+04
(NO SCALE)



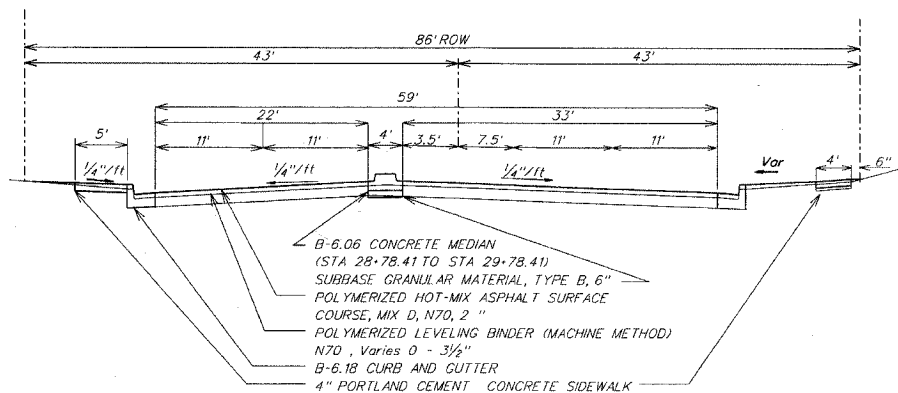
Martin Luther King Jr. Drive
Proposed Typical Section
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(NO SCALE)

TIE PROPOSED PAVEMENT TO EXISTING PAVEMENT WITH 30" LONG #4 BARS DRILLED AND GROUTED INTO THE EXISTING PVT

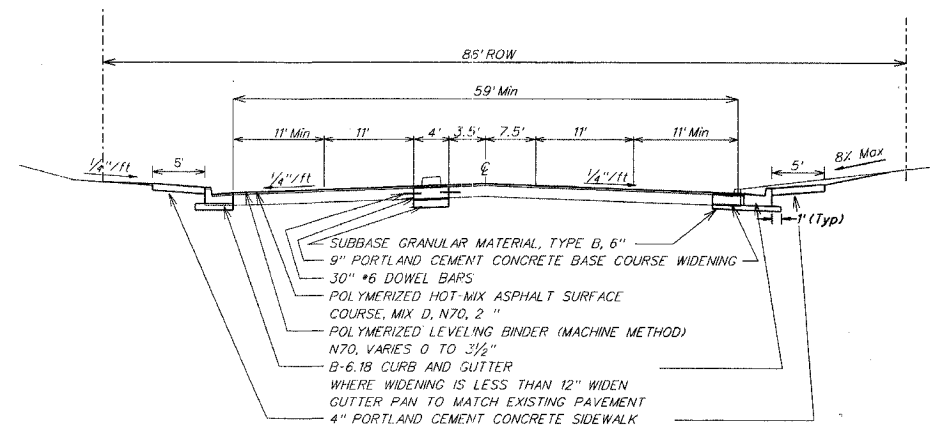


Martin Luther King Jr. Drive
Proposed Typical Section
STA 24+50.00 TO STA 28+78.41
(NO SCALE)

TIE PROPOSED PAVEMENT TO EXISTING PAVEMENT WITH 30" LONG #4 BARS DRILLED AND GROUTED INTO THE EXISTING PVT



Martin Luther King Jr. Drive
Proposed Typical Section
STA 28+78.41 TO STA 30+00
(NO SCALE)



Martin Luther King Jr. Drive
Proposed Typical Section
STA 30+00 TO STA 31+04
(NO SCALE)

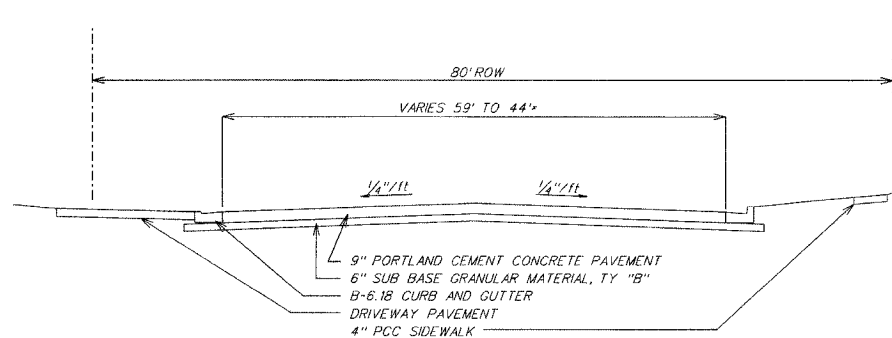
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Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
505 North Main Street, Bloomington, Illinois (309) 628-2552
222 East Center Street, Lafayette, Illinois (309) 362-8151
155 South Elm Street, El Paso, Illinois (309) 927-2552

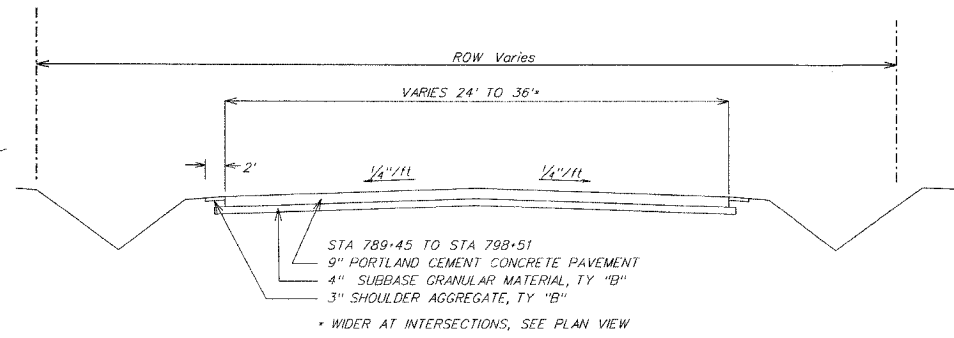
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Rev.		Chk.	EFB
		App.	EFB
		App.	LDT

MLK and WHITE OAK RD.
Intersection Improvements
QUANTITIES & TYPICAL SECTIONS

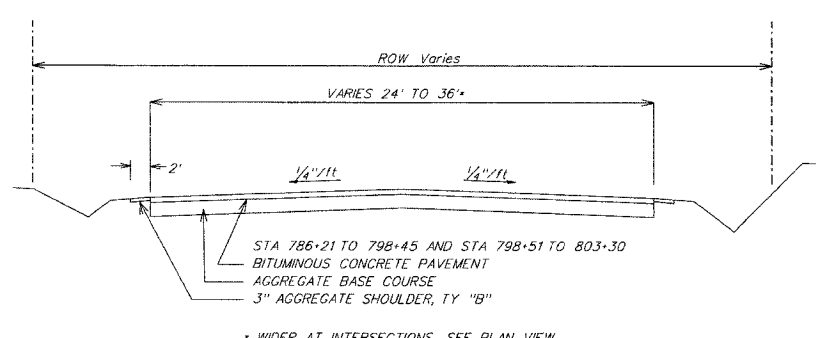
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STA.	TO STA.			
FED. AID DIST. NO.	LINE	FED. AID PROJECT		



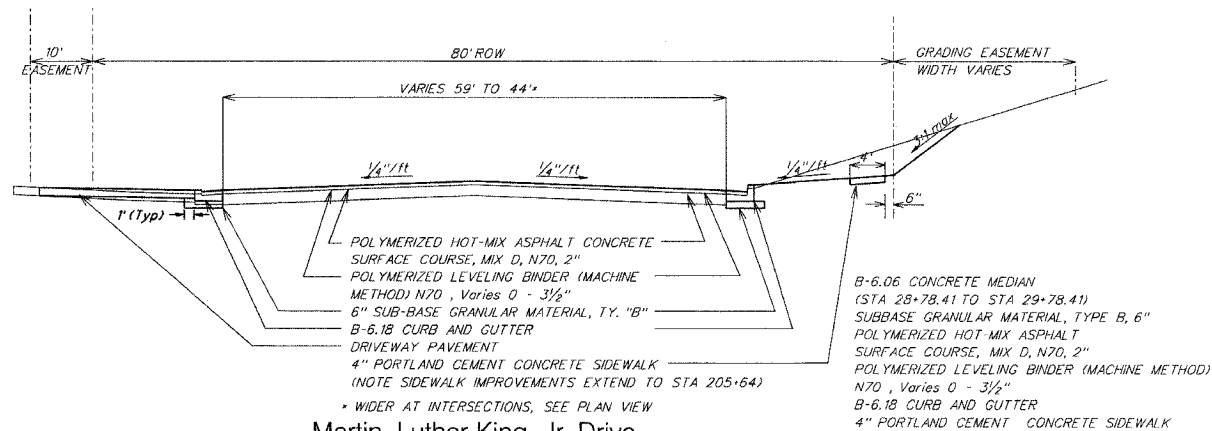
Martin Luther King Jr. Drive Existing Typical Section
 STA 200+00 TO STA 205+64
 (NO SCALE)



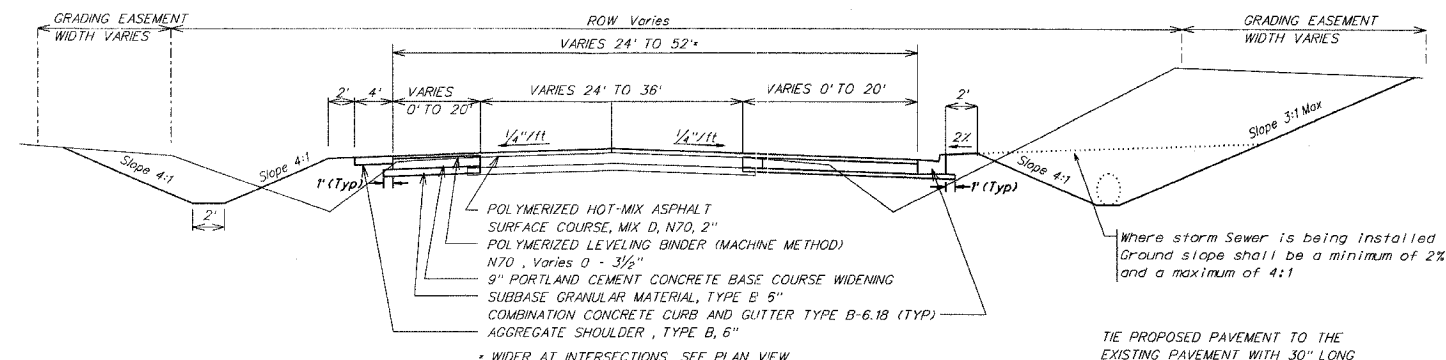
White Oak Road Existing Typical Section
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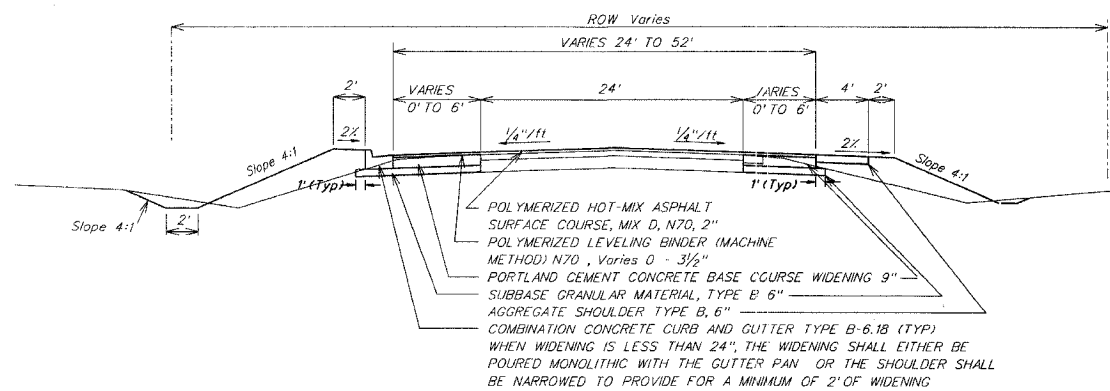
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 (NO SCALE)



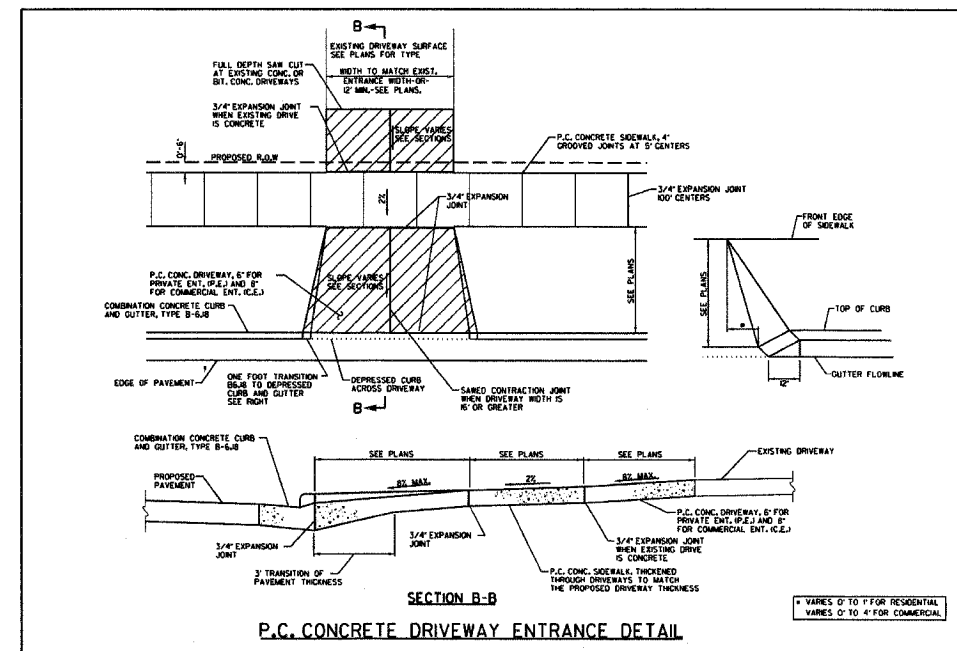
Martin Luther King Jr. Drive Proposed Typical Section
 STA 200+00 TO STA 202+00
 (NO SCALE)



White Oak Road Proposed Typical Section
 STA 789+45 TO STA 798+51
 (NO SCALE)



White Oak Road Proposed Typical Section
 STA 786+21 TO STA 798+45 and STA 798+51 TO STA 803+30
 (NO SCALE)



CITY OF BLOOMINGTON
 ENGINEERING DEPARTMENT
 STANDARD 4.05F

Lewis, Yockey & Brown, Inc.
 Consulting Engineers & Land Surveyors
 505 North Main Street, Suite 202, East, Bloomington, Illinois 61702
 1155 South Elm Street, LaMoine, Illinois 61702
 1155 South Elm Street, El Paso, Illinois 61702
 Ph. (309) 829-2152 Ph. (309) 962-8151 Ph. (309) 527-2552

Rev. 11-3-05
 12-7-06
 EFD
 EFD
 ASD-LDY

MLK and WHITE OAK RD.
 Intersection Improvements
 TYPICAL SECTIONS

3
 4018.63

SECTION: 6385 96-00306-00-SP, COUNTY: McLean, TOTAL SHEETS: 30, SHEET NO: 5. STA. 200+00 TO STA. 205+00.

SUMMARY OF QUANTITIES

Table with 5 columns: NO, PAY ITEM, DESCRIPTION, UNIT, QUANTITY. Lists various construction items like Earth Excavation, Fertilizer, Seeding, Mulch, Concrete, and Pavement Marking.

SUMMARY OF QUANTITIES

Table with 5 columns: NO, PAY ITEM, DESCRIPTION, UNIT, QUANTITY. Lists electrical and utility items like Service Installation, Conduit, Handholes, Electric Cables, and Signal Posts.

Pay Items 66 through 110, Construction Type Code Y021-1F. * Specialty Items

Mixture Requirements table for Contract 91362, detailing Polymer Level Binder, Polymer Surface, RAP % MAX, Design Air Voids, Mix Comp (Gradation), and Friction Aggregate.

Pavement Schedule

Pavement Schedule table with 7 columns: Station, Existing Elevation, Proposed Elevation, Pavement Width, Tons Surface, Binder Thickness, Tons Binder. Includes sub-totals for Martin Luther King Jr Drive and White Oak Road/Old U.S. 150.

LEGEND

Legend table defining symbols for Existing/Proposed Water Main, Fire Hydrant, Water Valve, Storm Sewer, Sanitary Sewer, Sanitary Force Main, Gas Main, Fiber Optic, Power Pole, Private Mail Box, Tree W/Diameter, Sign, Right of Way, Fence, Edge of Pavement, Edge of Vegetation, Proposed items, Manhole with Inlet Grate, Inlet, Mailbox, Private Entrance, Commercial Entrance, Proposed Fence, Rail Road, Proposed End Section, Pavement Widening, and Quantity Match Line.

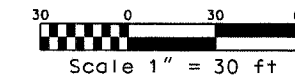
Sidewalk Schedule

Sidewalk Schedule table with 5 columns: Station, Station, Removal, 4" PCC. Lists sidewalk removal and replacement for Martin Luther King Jr and White Oak Road.

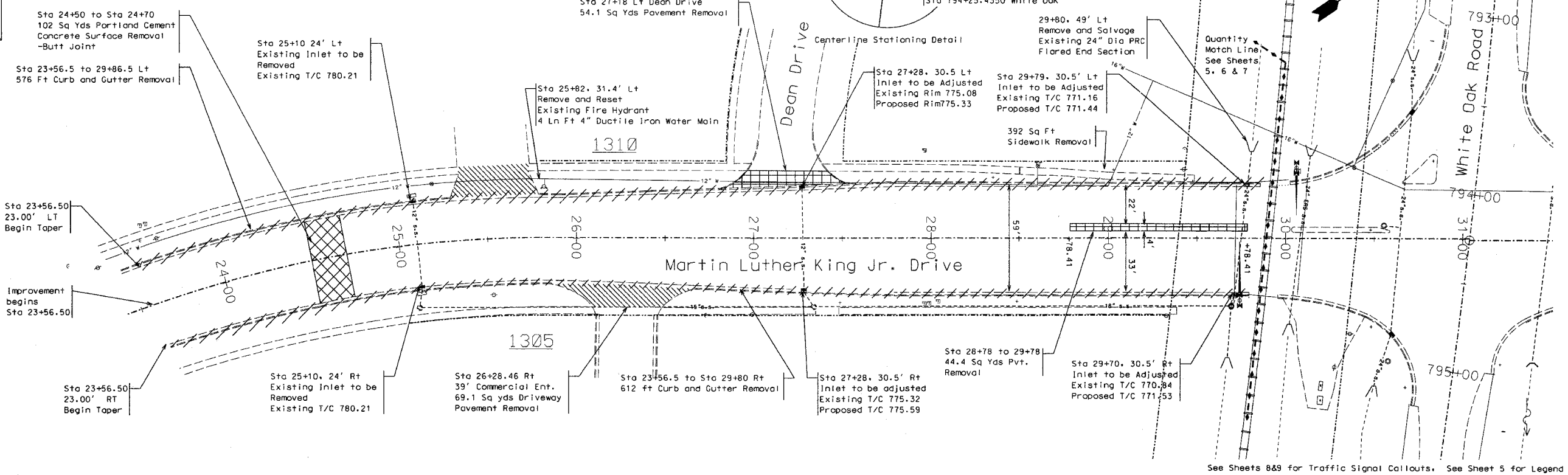
* Note the 4" Sidewalk includes 128 sf of Handicapped Ramps

Lewis, Yockey & Brown, Inc. Consulting Engineers & Land Surveyors. 505 North Main Street, 222 East Center Street, 135 South Elm Street, 8100 Arlington, 11179012, 11179013, 11179014, 11179015. Ph. (301) 829-2552, Ph. (301) 962-8151, Ph. (301) 527-2532. Includes project details for MLK and White Oak Rd.

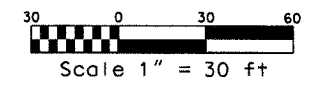
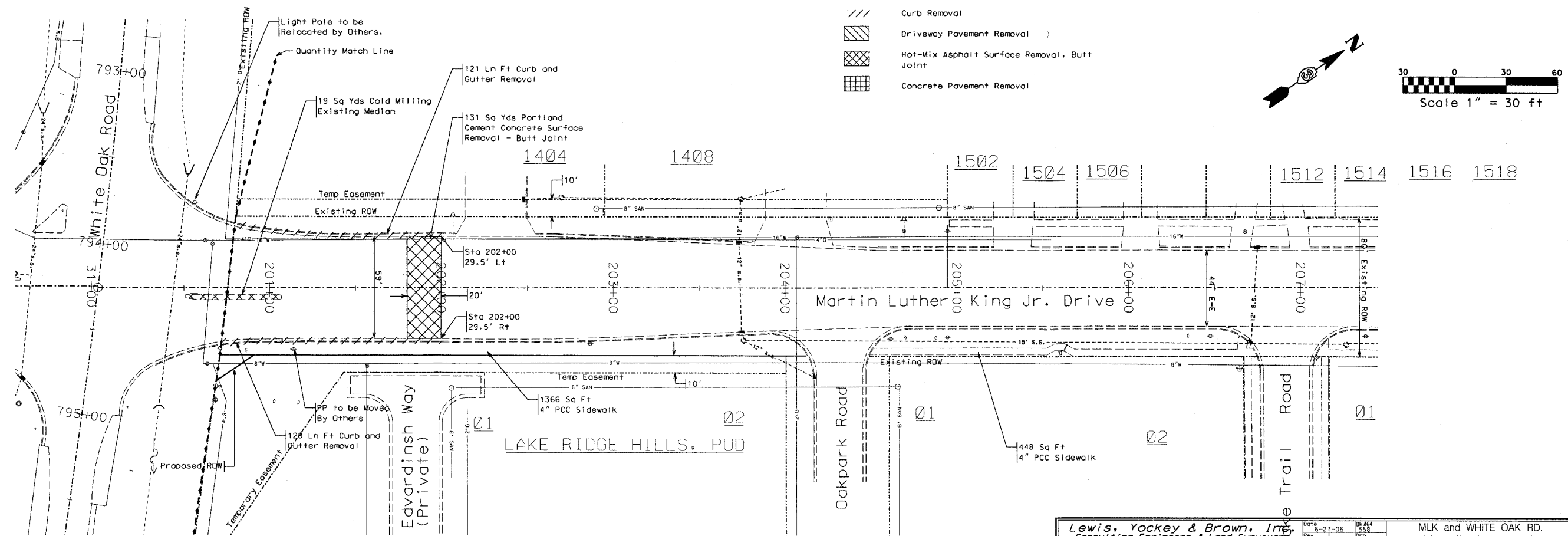
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STA. 23+56.50		TO STA. 31+04.00		
FED. ROAD DIST. NO.	ALIAS	FED. ROAD PROJECT		



Martin Luther King Jr. Centerline Curve Data
 PC Sta 23+40.50
 PI Sta 24+61.16
 PT Sta 25+79.30
 I = 20° 8' 29.76"
 R = 676.06
 T = 120.66



See Sheets 8&9 for Traffic Signal Callouts. See Sheet 5 for Legend



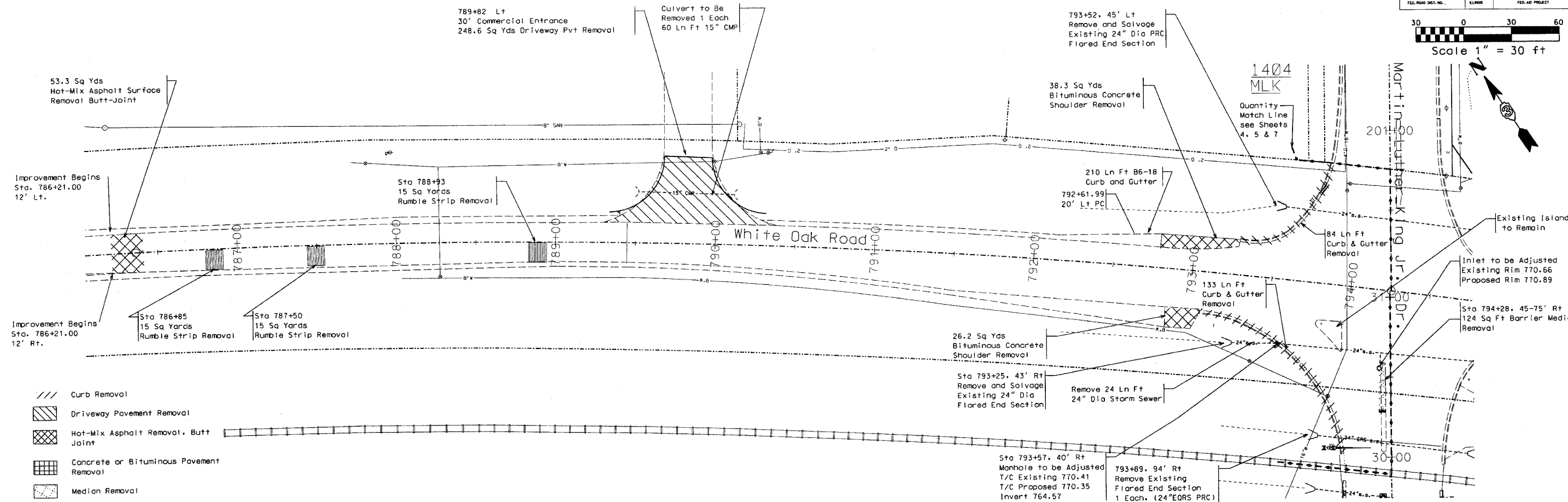
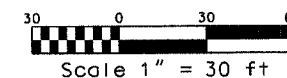
- Curb Removal
- Driveway Pavement Removal
- Hot-Mix Asphalt Surface Removal, Butt Joint
- Concrete Pavement Removal

Lewis, Yockey & Brown, Inc. Consulting Engineers & Land Surveyors		Date: 5-27-06	Scale: 1" = 30'
505 North Main Street Bloomington, Illinois Ph. (309) 929-2552		Rev: 12-13-06	Drawn: EFD
222 East Center Street Leroy, Illinois Ph. (309) 962-8151		12-20-08	Check: EFD
155 South Elm Street El Paso, Illinois Ph. (309) 527-2552		APP: LOY	Sheet: 6

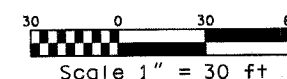
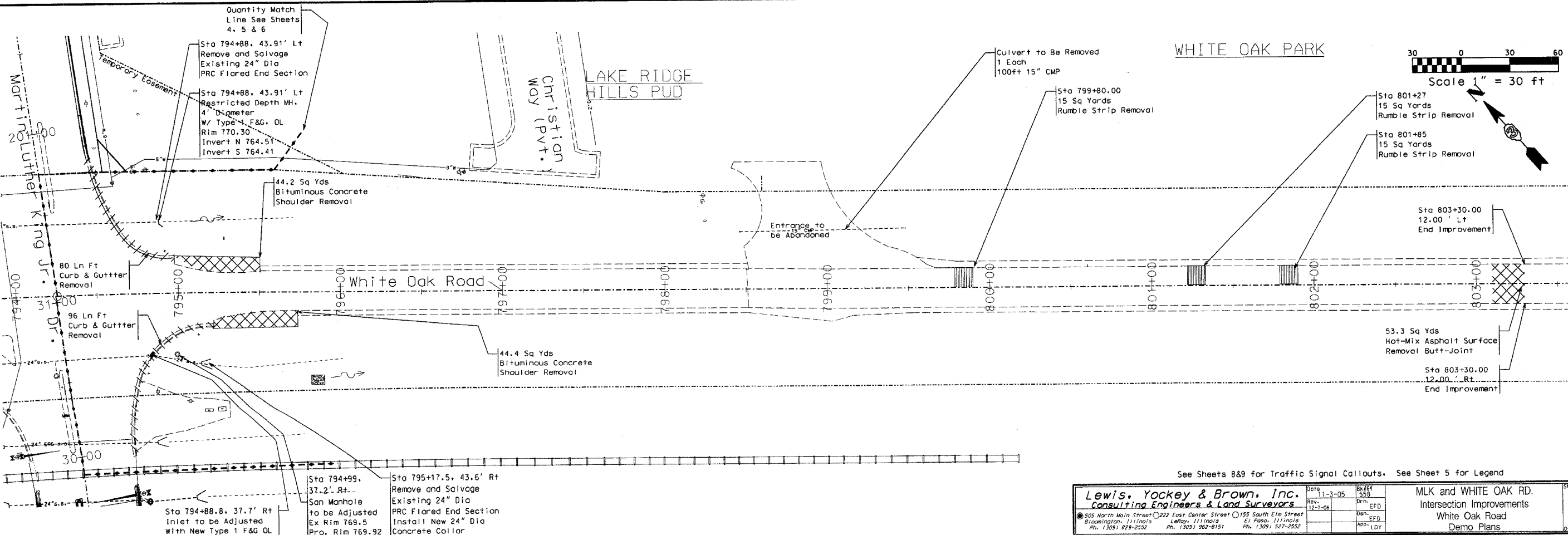
MLK and WHITE OAK RD. Intersection Improvements
 Martin Luther King Jr. Drive
 Demo Plan

See Sheets 8&9 for Traffic Signal Callouts

SECTION	COUNTY	TOTAL SHEETS	SHEET NO
5385 B6-00306-00-SP	McLean	30	7
STA. 789+01		TO STA. 794+25	
FED. ROAD DIST. NO.	ELLIPS	FED. AID PROJECT	



- Curb Removal
- Driveway Pavement Removal
- Hot-Mix Asphalt Removal, Butt Joint
- Concrete or Bituminous Pavement Removal
- Median Removal

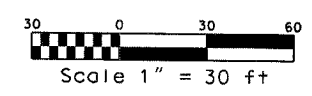


WHITE OAK PARK

See Sheets 889 for Traffic Signal Callouts. See Sheet 5 for Legend

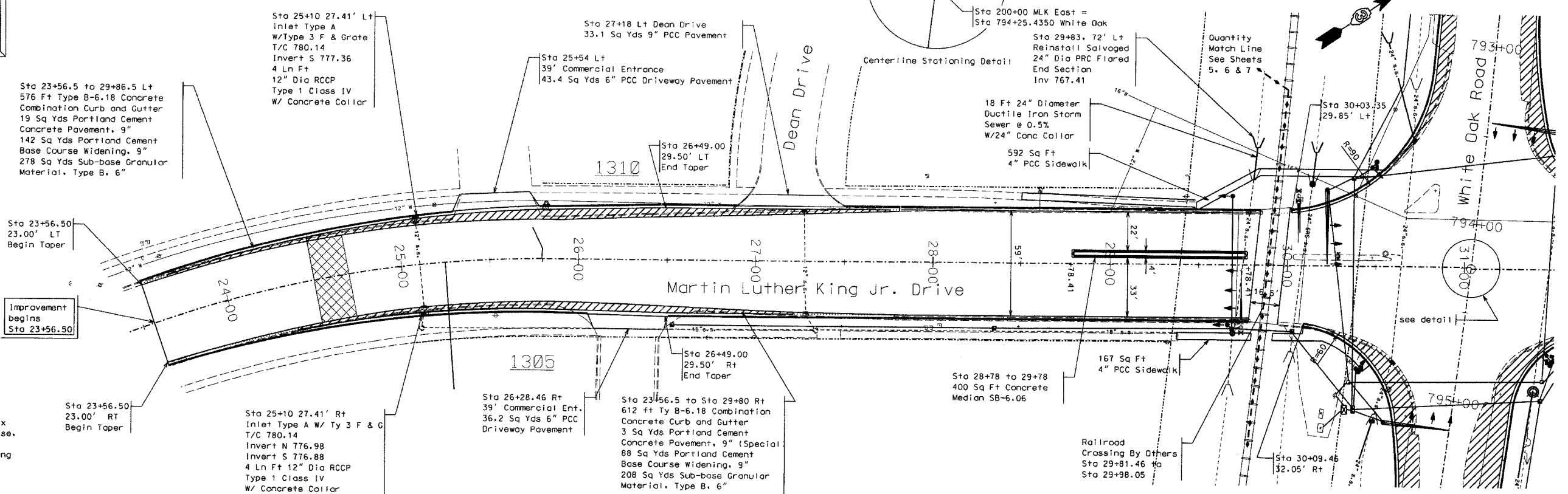
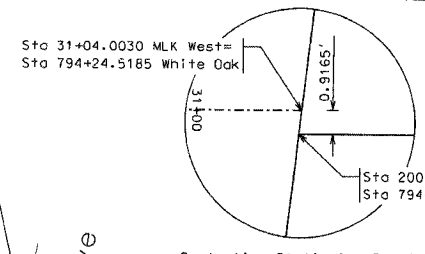
Lewis, Yockey & Brown, Inc. Consulting Engineers & Land Surveyors <small>305 North Main Street • 222 East Center Street • 155 South Elm Street Bloomington, Illinois • LeRoy, Illinois • El Paso, Illinois Ph. (309) 829-2552 Ph. (309) 867-8151 Ph. (309) 527-2552</small>		Date 1-3-05 Rev. 12-1-06 Bk 44 558 Drn. EFD Desn. EFD App. LDY	MLK and WHITE OAK RD. Intersection Improvements White Oak Road Demo Plans	Sheet 7 of 30
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FBI	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385 96-00306-00-SP		McLean	30	8
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FED. ROAD DIST. NO.	KLMS	FED. AID PROJECT		



Martin Luther King Jr. Centerline Curve Data

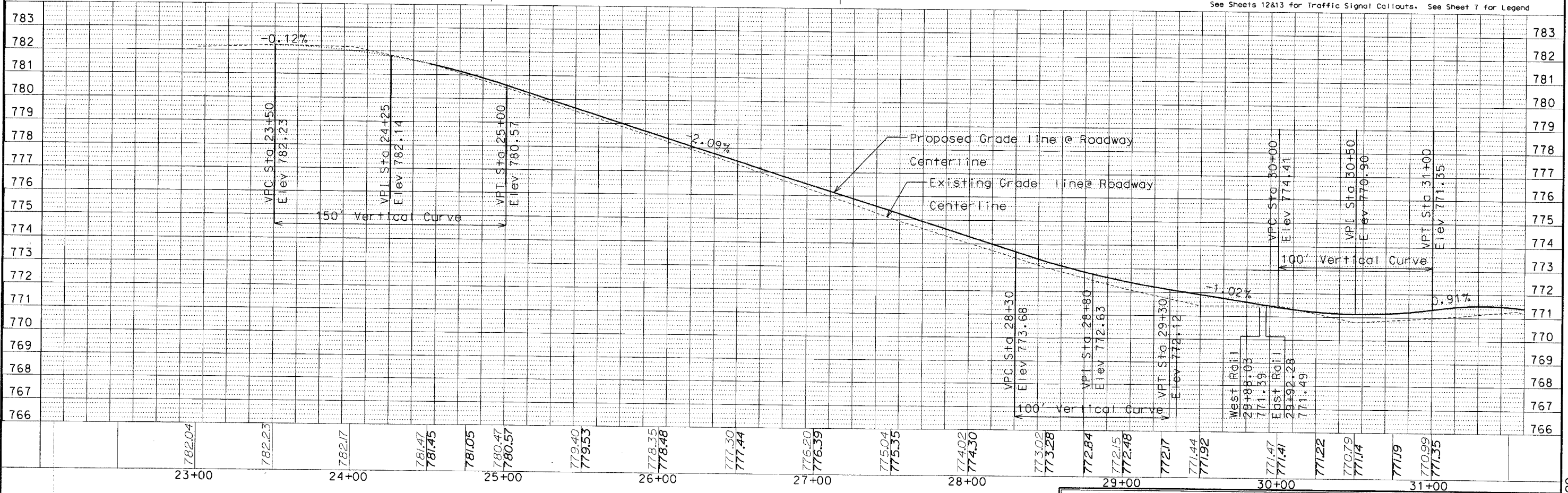
PC Sta 23+40.50
 PI Sta 24+61.16
 PT Sta 25+79.30
 I = 20° 8' 29.76"
 R = 676.06
 T = 120.66



Sta 24+50.00 to Sta 29+81.46
 377.5 Tons Polymerized Hot-Mix Asphalt Concrete Surface Course, Mix D, N70, 2"
 167.9 Tons Polymerized Leveling Binder (Machine Method) N70
 1063 Foot Strip Reflective Crack Control Treatment

Improvement begins Sta 23+56.50

See Sheets 12&13 for Traffic Signal Callouts. See Sheet 7 for Legend



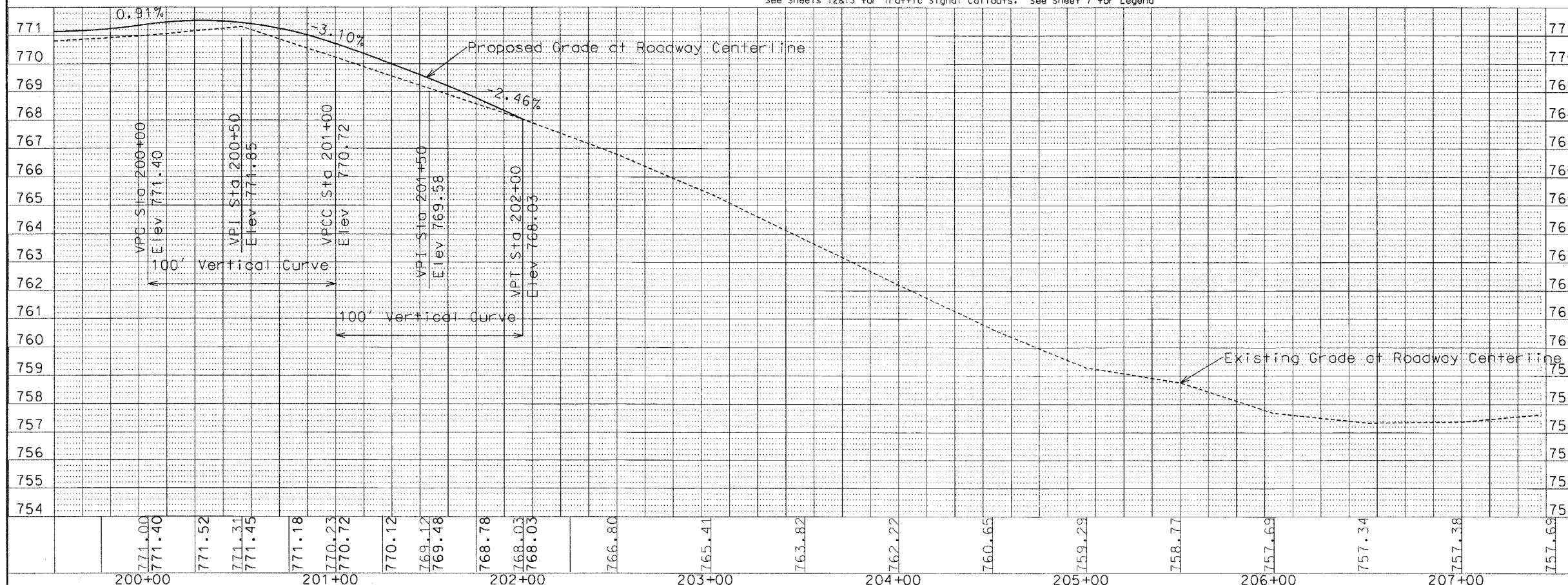
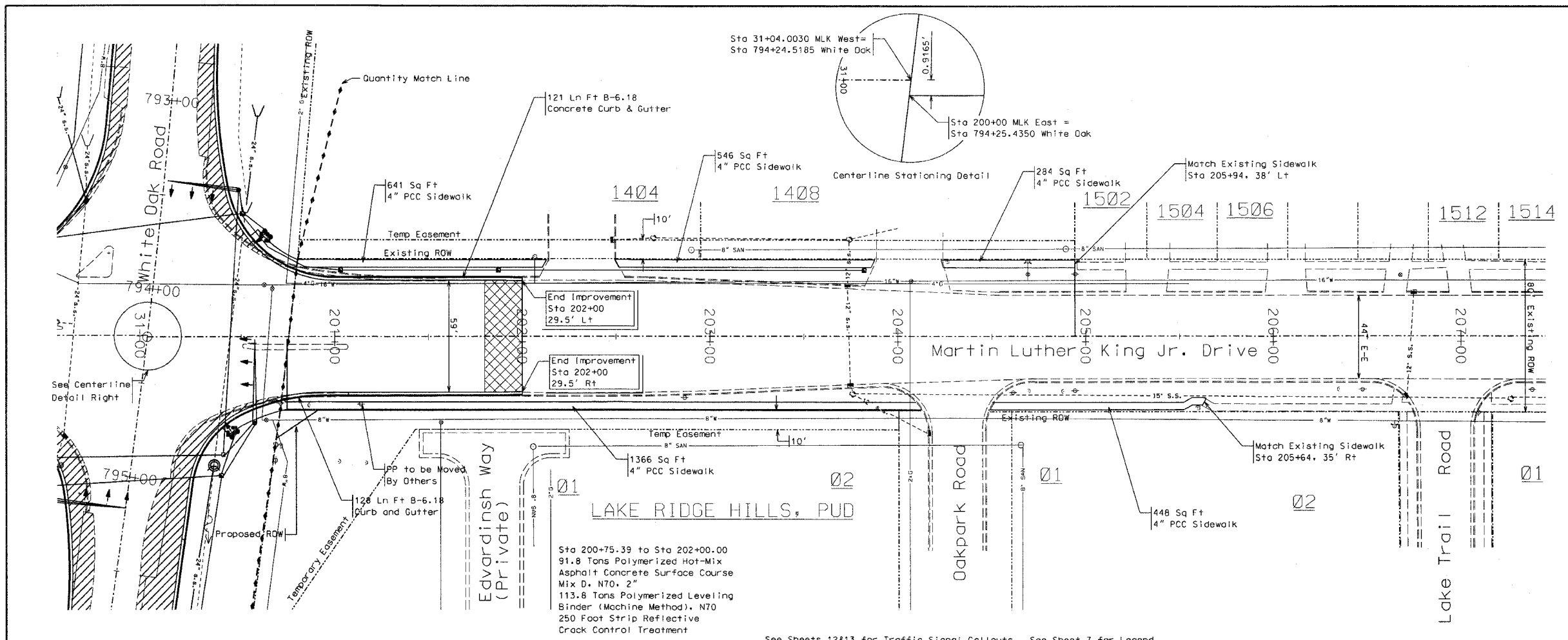
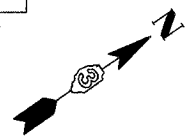
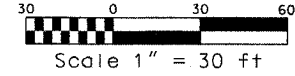
Lewis, Yockey & Brown, Inc.
 Consulting Engineers & Land Surveyors

833 North Main Street, 222 East Center Street, 155 South Elm Street
 Bloomington, Illinois LaSalle, Illinois St. Louis, Illinois
 Ph. (309) 829-2552 Ph. (309) 362-8151 Ph. (309) 527-2552

DATE: 6-27-06
 DRAWN BY: EFD
 CHECKED BY: EFD
 APPR. BY: LDY

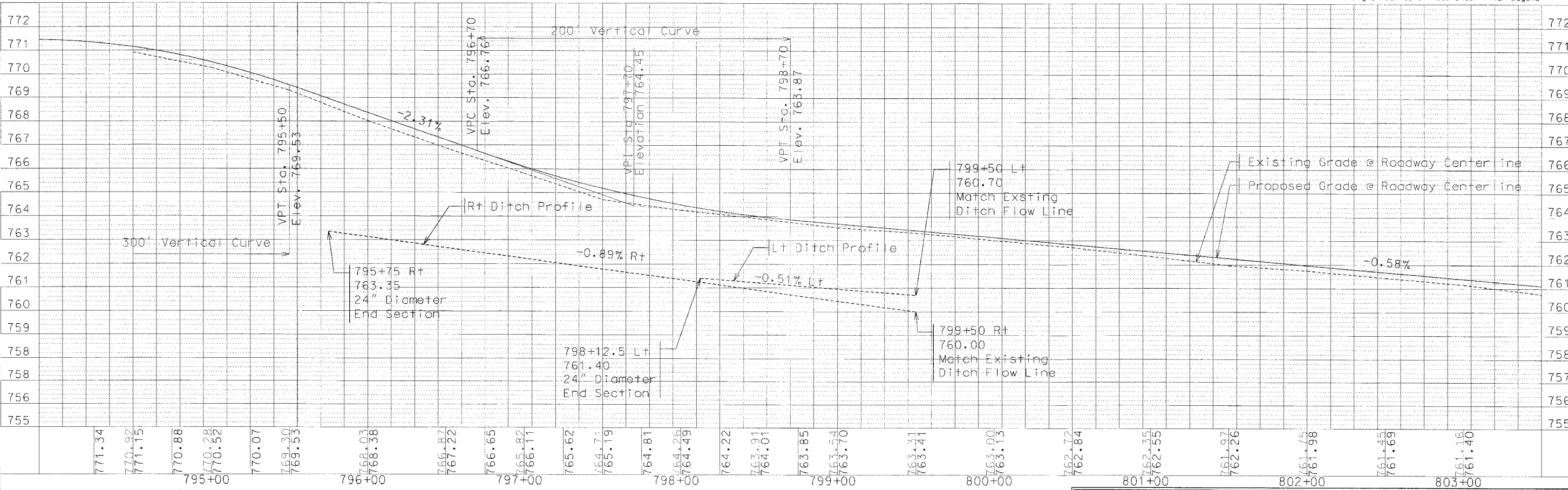
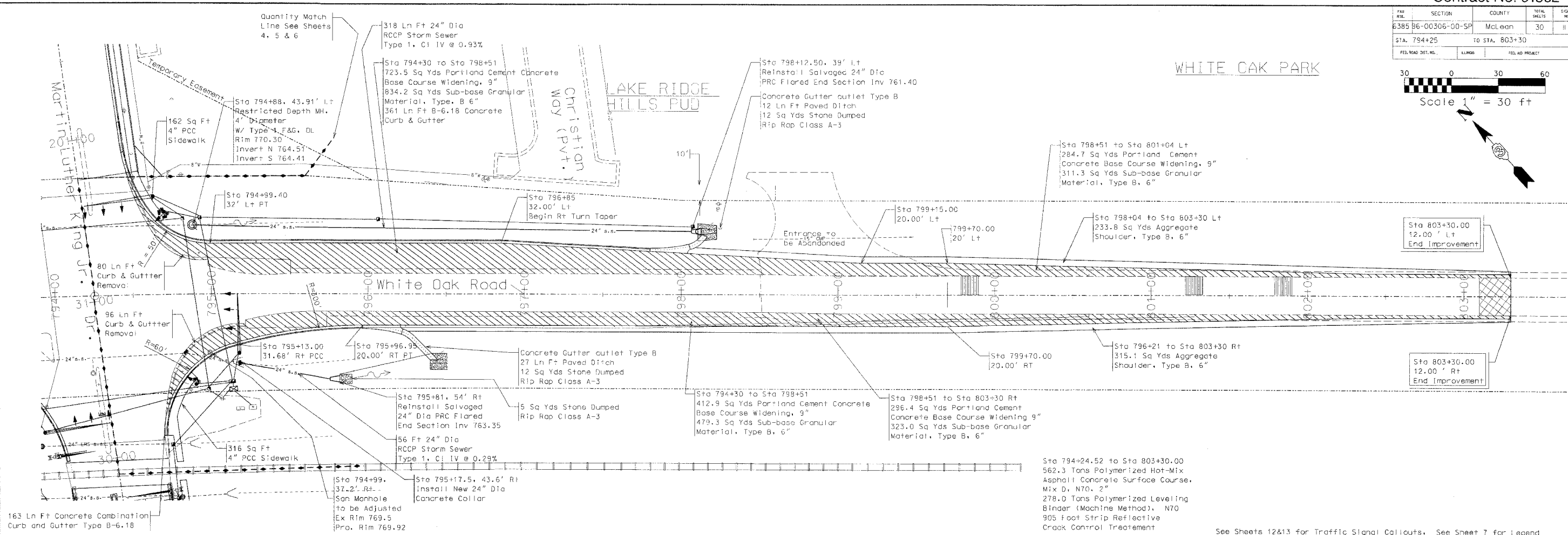
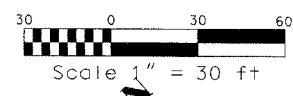
MLK and WHITE OAK RD.
 Intersection Improvements
 West Martin Luther King Jr. Drive
 Plan and Profile

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5385	06-00306-00-SP	McLean	30	9
STA. 200+00		TO STA. 205+00		
FED. ROAD DIST. NO.		LRMS	FED. AID PROJECT	



Lewis, Yockey & Brown, Inc. Consulting Engineers & Land Surveyors 505 North Main Street, Bloomington, Illinois 222 East Center Street, LeRoy, Illinois 155 South Elm Street, El Paso, Illinois Ph. (309) 829-2550 Ph. (309) 962-8161 Ph. (309) 927-2552		Date: 8-27-2006 Rev: 12-12-06 12-7-06 App: LDY	MLK and WHITE OAK RD. Intersection Improvements East Martin Luther King Jr Drive Plan and Profile	Sheet 9 of 30 4018.63
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FED. PROJ. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.	LOCAL	FED. PROJ. NO.		



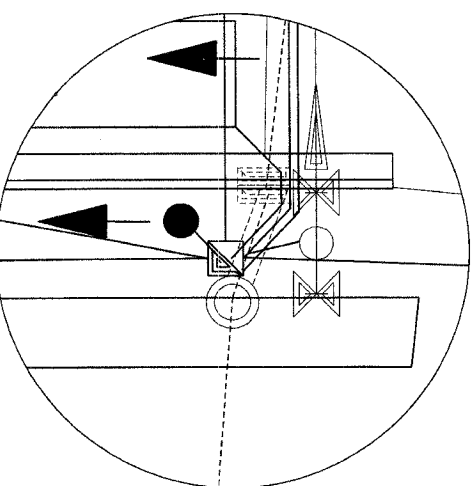
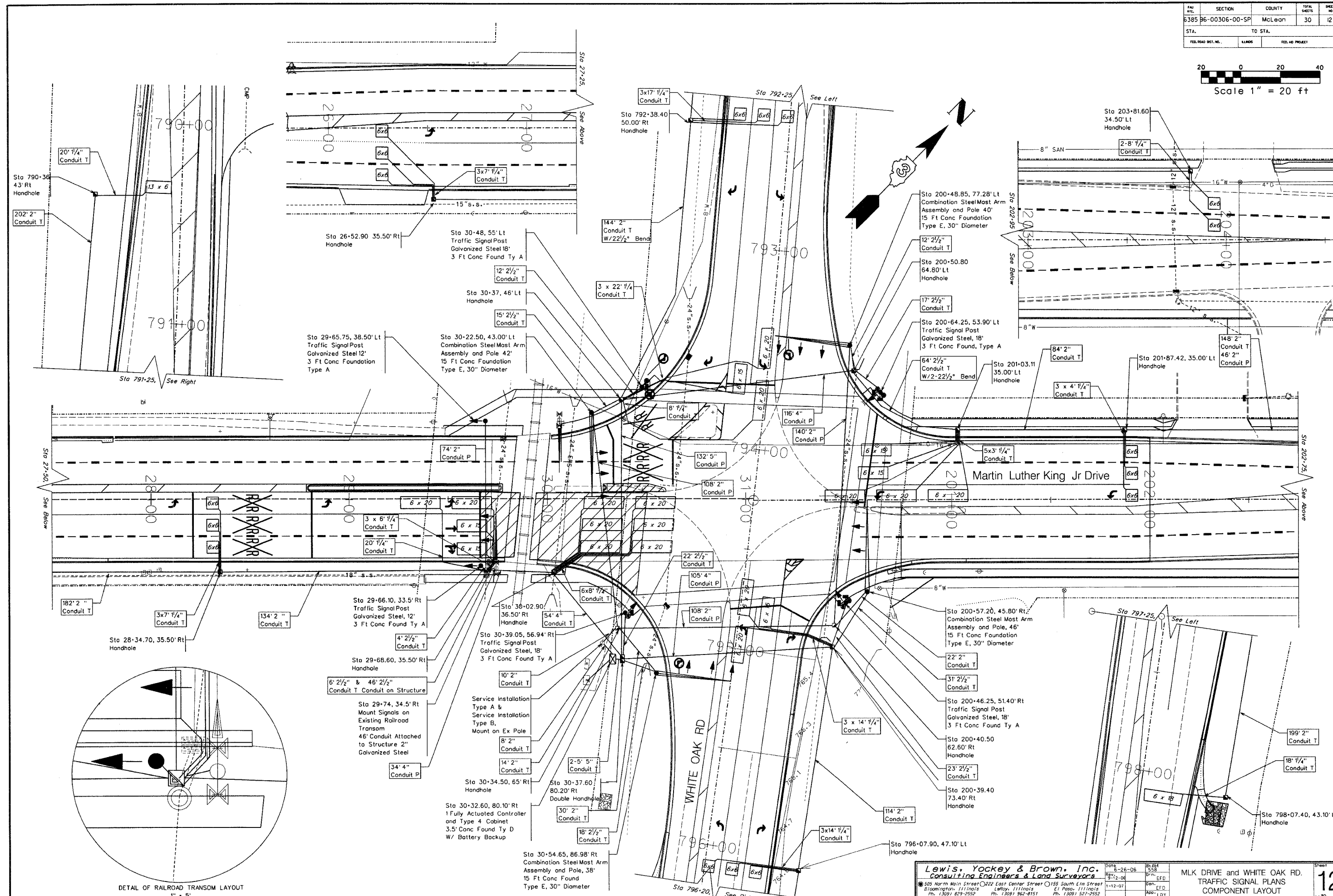
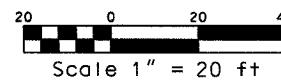
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795+00		796+00		797+00		798+00		799+00		800+00		801+00		802+00		803+00																											

Lewis, Yockey & Brown, Inc.
 Consulting Engineers & Land Surveyors
 400 North Main Street, 2nd Floor, Center Street, 155 South Elm Street
 Birmingham, AL 35203 Phone: 1-205-252-1100
 Ph. 1301-829-2552 Ph. 1301-962-8151 Ph. 1301-521-2552

MLK and WHITE OAK RD.
 Intersection Improvements
 South White Oak Road
 Plan and Profile

Sheet 11 of 30

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385 96-00306-00-SP	McLean	30	12
STA.	TO STA.		
FED. ROAD DIST. NO.	KLMS	FED. AID PROJECT	



Lewis, Yockey & Brown, Inc.
 Consulting Engineers & Land Surveyors

405 North Main Street, 222 East Center Street, 155 South Elm Street
 Birmingham, 1111013 Lafayette, 1111013 El Paso, 1111013
 Ph. (309) 829-2552 Ph. (309) 962-8151 Ph. (309) 527-2552

Date: 6-26-06
 Rev: 12-06
 1-12-07

Drn.: EFD
 Cmn.: EFD
 App.: LDY

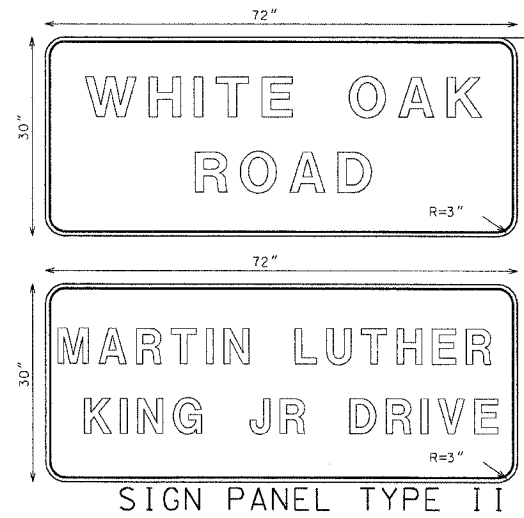
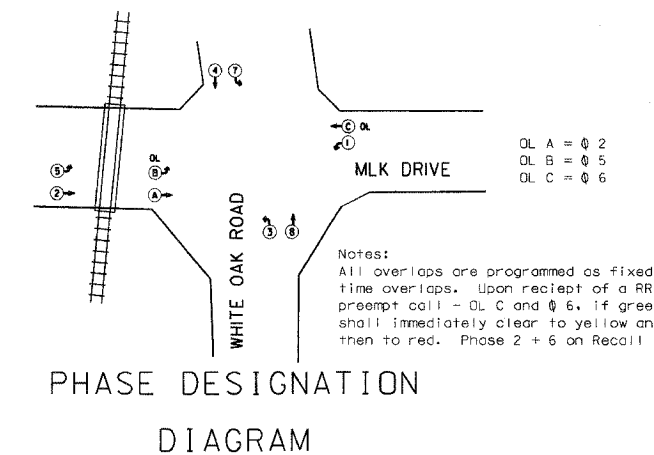
MLK DRIVE and WHITE OAK RD.
 TRAFFIC SIGNAL PLANS
 COMPONENT LAYOUT

Sheet 12 of 30

4018.63

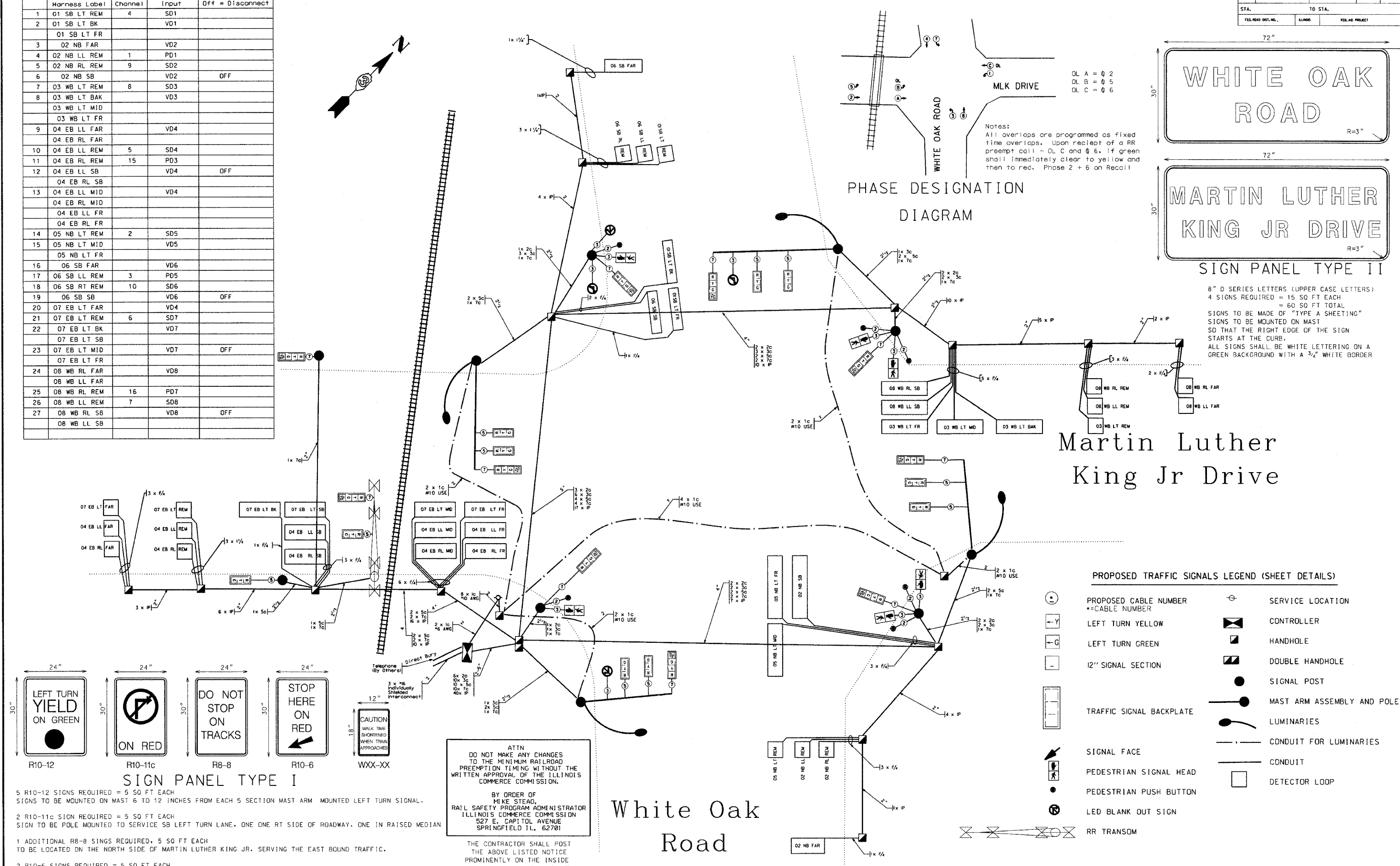
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
385 96-00306-00-SP	McLean	30	13
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

Det	Detector and Harness Label	TLS Channel	Controller Input	J Pin Status Off = Disconnect
1	01 SB LT REM	4	SD1	
2	01 SB LT BK		VD1	
	01 SB LT FR			
3	02 NB FAR		VD2	
4	02 NB LL REM	1	PD1	
5	02 NB RL REM	9	SD2	
6	02 NB SB		VD2	OFF
7	03 WB LT REM	8	SD3	
8	03 WB LT BAK		VD3	
	03 WB LT MID			
	03 WB LT FR			
9	04 EB LL FAR		VD4	
	04 EB RL FAR			
10	04 EB LL REM	5	SD4	
11	04 EB RL REM	15	PD3	
12	04 EB LL SB		VD4	OFF
	04 EB RL SB			
13	04 EB LL MID		VD4	
	04 EB RL MID			
	04 EB LL FR			
	04 EB RL FR			
14	05 NB LT REM	2	SD5	
15	05 NB LT MID		VD5	
	05 NB LT FR			
16	06 SB FAR		VD6	
17	06 SB LL REM	3	PD5	
18	06 SB RT REM	10	SD6	
19	06 SB SB		VD6	OFF
20	07 EB LT FAR		VD4	
21	07 EB LT REM	6	SD7	
22	07 EB LT BK		VD7	
	07 EB LT SB			
23	07 EB LT MID		VD7	OFF
	07 EB LT FR			
24	08 WB RL FAR		VD8	
	08 WB LL FAR			
25	08 WB RL REM	16	PD7	
26	08 WB LL REM	7	SD8	
27	08 WB RL SB		VD8	OFF
	08 WB LL SB			



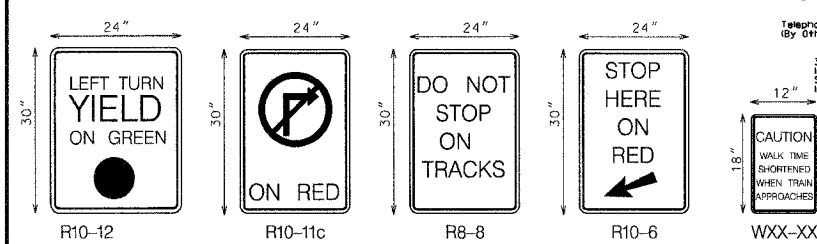
8" D SERIES LETTERS (UPPER CASE LETTERS)
4 SIGNS REQUIRED = 15 SQ FT EACH
= 60 SQ FT TOTAL
SIGNS TO BE MADE OF "TYPE A SHEETING"
SIGNS TO BE MOUNTED ON MAST
SO THAT THE RIGHT EDGE OF THE SIGN
STARTS AT THE CURB.
ALL SIGNS SHALL BE WHITE LETTERING ON A
GREEN BACKGROUND WITH A 3/4" WHITE BORDER

Martin Luther King Jr Drive



PROPOSED TRAFFIC SIGNALS LEGEND (SHEET DETAILS)

- | | | | |
|---|--------------------------------------|---|----------------------------|
| ⊙ | PROPOSED CABLE NUMBER = CABLE NUMBER | ⊕ | SERVICE LOCATION |
| ⊖ | LEFT TURN YELLOW | ⊠ | CONTROLLER |
| ⊕ | LEFT TURN GREEN | ⊠ | HANDHOLE |
| ⊖ | 12" SIGNAL SECTION | ⊠ | DOUBLE HANDHOLE |
| ⊖ | TRAFFIC SIGNAL BACKPLATE | ● | SIGNAL POST |
| ⊖ | SIGNAL FACE | ⊖ | MAST ARM ASSEMBLY AND POLE |
| ⊖ | PEDESTRIAN SIGNAL HEAD | ⊖ | LUMINARIES |
| ⊖ | PEDESTRIAN PUSH BUTTON | ⊖ | CONDUIT FOR LUMINARIES |
| ⊖ | LED BLANK OUT SIGN | ⊖ | CONDUIT |
| ⊖ | RR TRANSOM | ⊖ | DETECTOR LOOP |



5 R10-12 SIGNS REQUIRED = 5 SQ FT EACH
SIGNS TO BE MOUNTED ON MAST 6 TO 12 INCHES FROM EACH 5 SECTION MAST ARM MOUNTED LEFT TURN SIGNAL.

2 R10-11c SIGN REQUIRED = 5 SQ FT EACH
SIGN TO BE POLE MOUNTED TO SERVICE SB LEFT TURN LANE, ONE ONE RT SIDE OF ROADWAY, ONE IN RAISED MEDIAN

1 ADDITIONAL R8-8 SIGNS REQUIRED, 5 SQ FT EACH
TO BE LOCATED ON THE NORTH SIDE OF MARTIN LUTHER KING JR. SERVING THE EAST BOUND TRAFFIC.

2 R10-6 SIGNS REQUIRED = 5 SQ FT EACH
LOCATE IN LINE WITH STOP BARS FOR EAST BOUND MLK TRAFFIC AND FOR SOUTH BOUND RIGHT TURNING TRAFFIC ON WHITE OAK

4 WXX-XX SIGNS REQUIRED = 1.5 SQ FT EACH
SIGNS TO BE MOUNTED 6-12 INCHES ABOVE THE DETECTOR PUSH BUTONS ON THE SIGNAL POSTS.
ALL SIGNS TO BE MADE OF "TYPE A SHEETING" = 56.0 SQ FT TOTAL

ATTN
DO NOT MAKE ANY CHANGES TO THE MINIMUM RAILROAD PREEMPTION TIMING WITHOUT THE WRITTEN APPROVAL OF THE ILLINOIS COMMERCE COMMISSION.

BY ORDER OF
MIKE STEAD,
RAIL SAFETY PROGRAM ADMINISTRATOR
ILLINOIS COMMERCE COMMISSION
527 E. CAPITOL AVENUE
SPRINGFIELD IL, 62701

THE CONTRACTOR SHALL POST THE ABOVE LISTED NOTICE PROMINENTLY ON THE INSIDE OF THE TRAFFIC CONTROLLER CABINET DOOR ON A LAMINATED SHEET OF PAPER A MINIMUM OF 8 1/2" x 11"

White Oak Road

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385	96-00306-00-SP	McLean	30	14
STA.	TO STA.			
FILE NO. DIST. NO.	DATE	FILE NO. PROJECT		

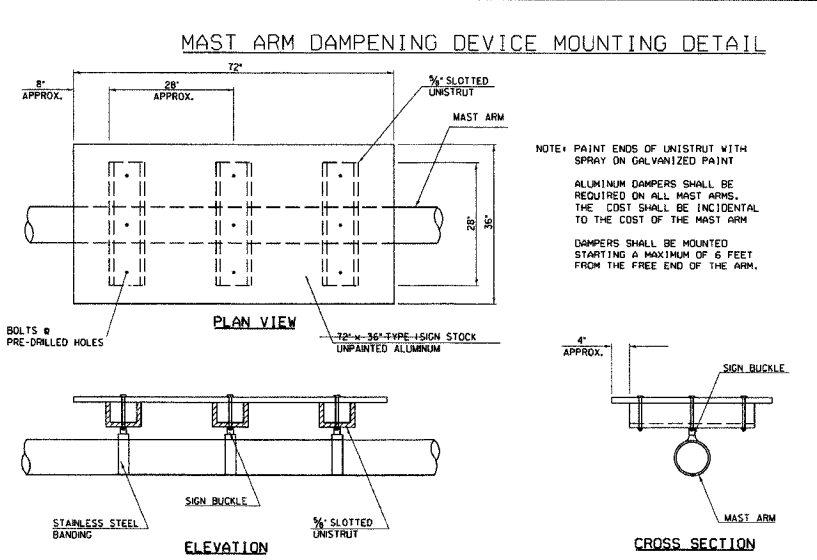
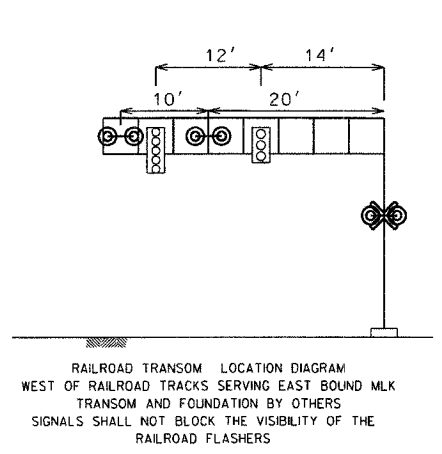
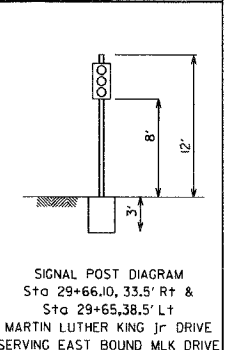
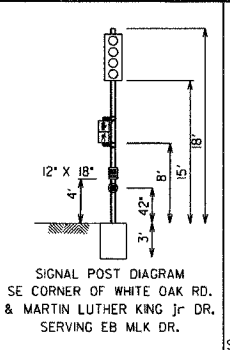
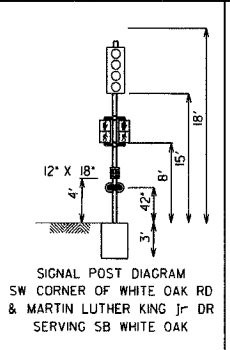
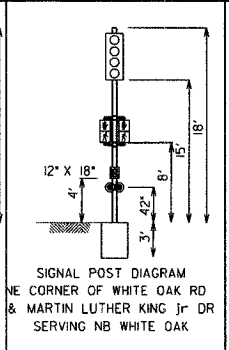
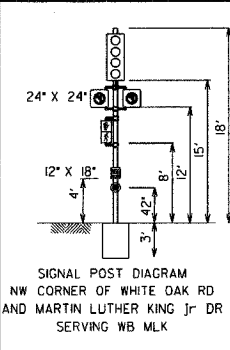
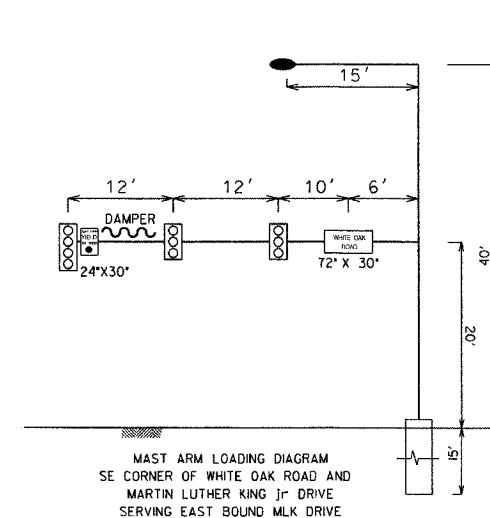
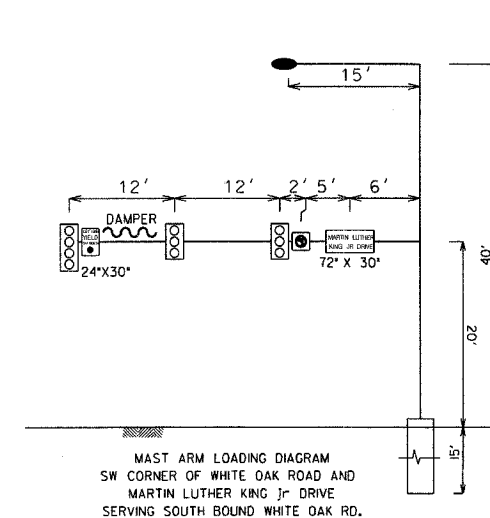
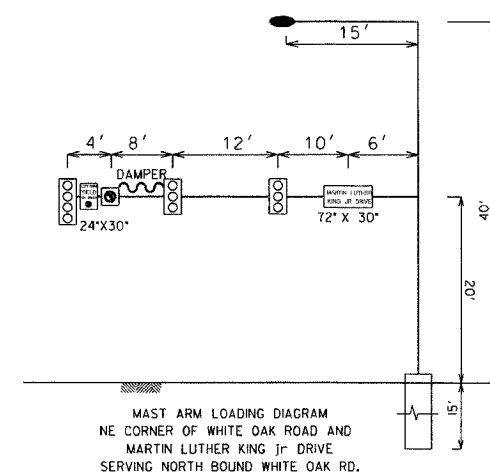
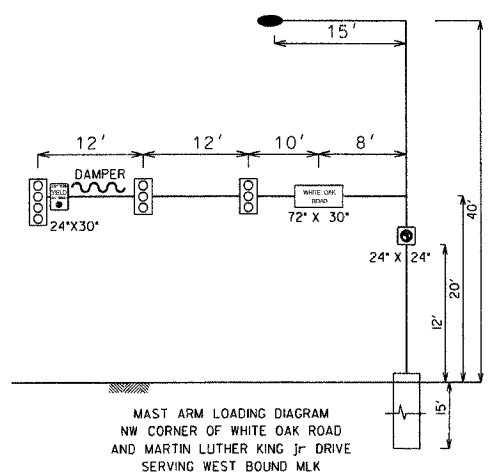
TRAFFIC SIGNAL QUANTITIES			
NO	PAY ITEM	DESCRIPTION	UNIT QUANTITY
1	7001330	TRAFFIC CONTROL AND PROTECTION	L.SUM 0.00
2	7200100	SIGN PANEL - TYPE 1	SQ FT 0.00
3	7200200	SIGN PANEL - TYPE 2	SQ FT 0.00
4	7800100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT 701.0
5	7800200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT 0.00
6	7800400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT 0.00
7	7800500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT 0.00
8	7800600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT 0.00
9	7800850	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT 0.00
10	8050010	SERVICE INSTALLATION, TYPE A	EACH 0.00
11	8050020	SERVICE INSTALLATION, TYPE B	EACH 0.00
12	8101240	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT 0.00
13	8101250	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT 0.00
14	8101270	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT 0.00
15	8101300	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT 0.00
16	8101310	CONDUIT IN TRENCH, 6" DIA., PVC	FOOT 0.00
17	8102130	CONDUIT PUSHED, 2" DIA., PVC	FOOT 0.00
18	8102137	CONDUIT PUSHED, 4" DIA., PVC	FOOT 0.00
19	8102138	CONDUIT PUSHED, 6" DIA., PVC	FOOT 0.00
20	8110070	CONDUIT ATTACHED TO STRUCTURE, 2 1/2" DIA., GALVANIZED STEEL	FOOT 48.0
21	8140070	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH 0.00
22	8140070	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH 0.00
23	8170210	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 1/C NO. 10	FOOT 0.00
24	8170213	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 1/C NO. 6	FOOT 0.00
25	8190020	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT 0.00
26	8210250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH 0.00
27	8250050	LIGHTING CONTROLLER, SPECIAL	EACH 0.00
28	8370020	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH 0.00
29	8730121	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT 0.00
30	8730122	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT 0.00
31	8730124	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT 0.00
32	8730125	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT 0.00
33	8730130	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT 0.00
34	8730170	ELECTRIC CABLE IN CONDUIT, RAILROAD INTERCONNECT, NO. 10 3 PAIR	FOOT 33.0
35	8750240	TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH 0.00
36	8750250	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH 0.00
37	8770250	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH 0.00
38	8770260	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH 0.00
39	8770260	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH 0.00
40	8780100	CONCRETE FOUNDATION, TYPE A	FOOT 0.00
41	8780200	CONCRETE FOUNDATION, TYPE D	FOOT 0.00
42	8780400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT 0.00
43	8800190	SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH 0.00
44	8800170	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH 0.00
45	8800220	SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH 0.00
46	8800230	SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH 0.00
47	8810020	PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED	EACH 0.00
48	8820010	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH 0.00
49	8850050	INDUCTION LOOP DETECTOR AMPLIFIER	EACH 0.00
50	8850052	INDUCTION LOOP DETECTOR AMPLIFIER WITH SYSTEM OUTPUT	EACH 0.00
51	8860100	DETECTOR LOOP, TYPE I	FOOT 0.00
52	8880100	PEDESTRIAN PUSH-BUTTON	EACH 0.00
53	8910040	ILLUMINATED SIGNAL, LED	EACH 0.00
54	XG32385	TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH 1.0

GENERAL NOTES

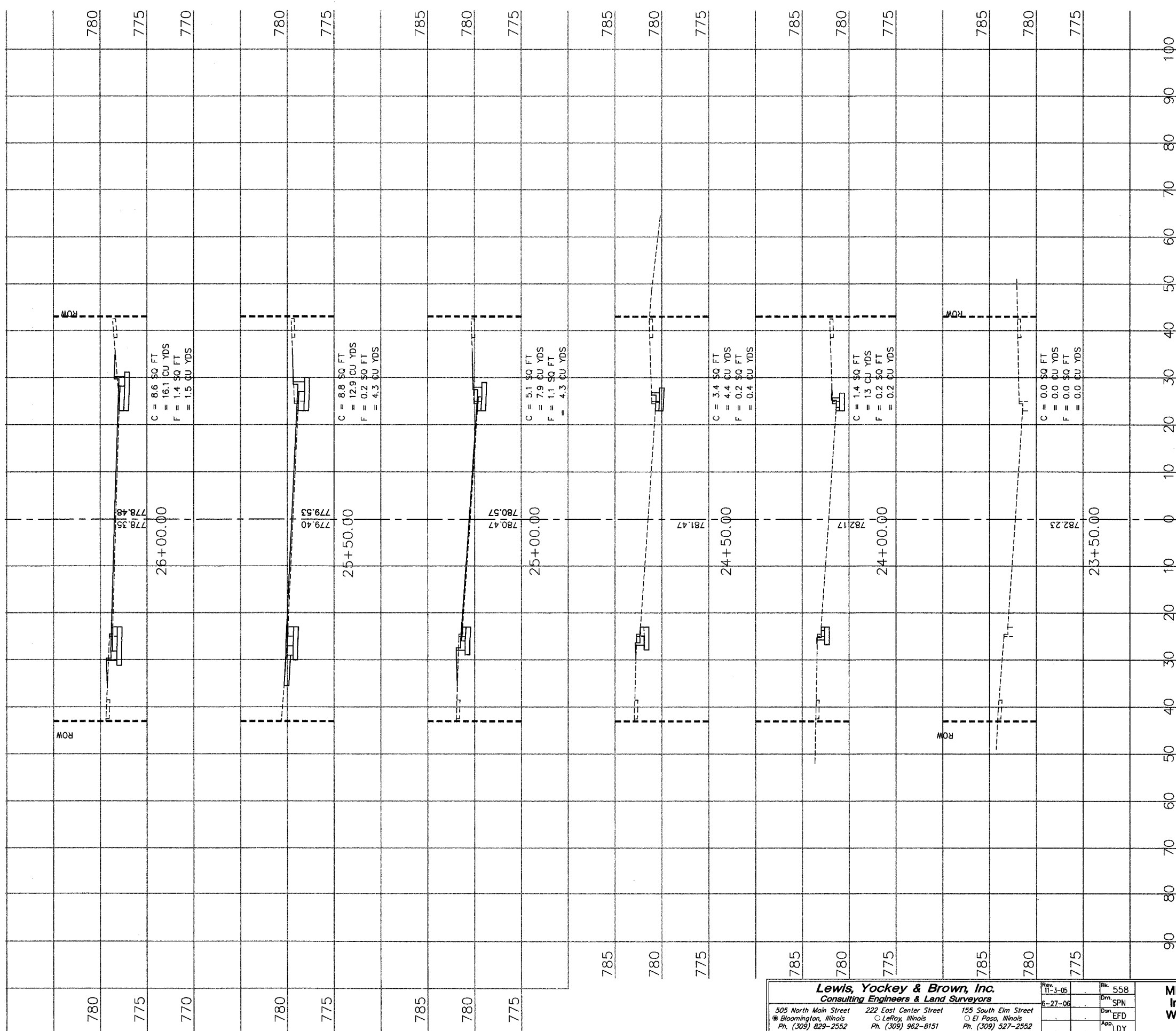
- The Contractor is responsible for the cost of uncovering or hand digging around utilities as necessary, incidental to the respective contract pay item.
- Exact signal location may be modified in field to avoid existing utilities, as directed by the City Engineer.
- All signal bases shall be located a minimum of 6 feet from the face of the curb unless approved otherwise by the City Engineer.
- All mast arm pole bases shall be protected by a stainless steel mesh screening around the base bolts to prevent rodent entry. The mesh shall be secured to the base by stainless steel banding as incidental to the individual mast arm assembly pay item.
- No additional compensation will be allowed for placing conduit at greater than 2 feet minimum depth to avoid obstacles such as underground utilities.
- A 12 gauge stranded THHN wire shall be furnished and left in place in all conduits between hand holes and foundations with six (6) feet of slack at each hand hole as incidental to the conduit pay item.
- Drilling holes through existing curb and gutter, inserting conduit and filling with approved sealer for detector loops is incidental to the detector loop pay item.
- All mast arm mounted signal heads on each individual mast arm shall be mounted so the red indications are level with each other.
- All bracket mounted heads shall be mounted on side of pole as directed by the City Engineer in order to minimize vehicle damage.
- All LED signal lenses shall be of the same type, design and appearance and be from the same manufacturer for any given intersection.
- The electrical conductors for all traffic signal heads shall be 14 gauge solid, soft copper.
- The proposed traffic signal control cabinet shall be furnished with a door switch, conflict flash and manual flash inputs wired to the appropriate controller "D" connector inputs. The cabinet shall also be furnished with a manual control switch and manual cord within the police compartment door as incidental to the controller pay item.
- An Innovative Technologies model HS-P-SP-120A-30A-RJ suppressor or approved equal with a 3 position terminal block shall be mounted on an aluminum plate below the cabinet power distribution panel. Incoming power shall connect to the terminal block which shall feed the IT suppressor through 10 gauge solid copper wire (AC+, AC-, Gnd.) with approximately ten 1.5 to 2 inch coils in the AC+ and AC- lines.
- All detector loop amplifiers shall be rack mounted and shall be labeled on the edge of the shelf below the amplifier with their respective directions, phases, loop terminals and controller inputs.
- Contractor shall submit shop drawings for all signal components to the City of Bloomington for approval prior to ordering.
- The Contractor shall be responsible for obtaining electrical service for the traffic signals and street lighting. The Contractor shall contact the power supplier prior to beginning work in order to meet the power supplier's requirements. Contractor shall notify the Engineer a minimum of 72 hours before the circuit is energized.
- Mast arm luminaire service shall be energized from the opposite transformer phase of the traffic signal service.
- The Engineer shall be notified at least 72 hours prior to signal turn on.
- The Contractor shall arrange for a factory supplier representative to be present at the intersection when the signals are turned on as incidental to the controller pay item.
- The City reserves the right to cancel any turn on if the City deems the situation unsafe for reasons such as bad weather, peak hour traffic conditions or road condition.
- The Contractor shall be responsible for having the cabinet energized and fully functional with field displays turned off a minimum of 24 hours prior to scheduled signal turn on.
- Signal turn on shall be scheduled between 9 and 10 am.
- The City Electricians shall assist with the programming of the traffic signal controller. The Contractor shall notify the City Electricians by contacting (309)434-2225 a minimum of 72 hours prior to controller being ready for programming. The Contractor shall be responsible for the programming of all video detection parameters.
- The Contractor shall provide the Engineer with the controller, conflict monitor and one set of the cabinet prints a minimum of 72 hours prior to energizing the cabinet.
- The Contractor shall verify the exact location of all utilities prior to beginning construction. (J.U.L.I.E. 1-800-829-0123)
- All lenses shall be 12" unless otherwise noted.
- All mast arm mounted signal heads on each individual mast arm shall be mounted so that the red indications are level with each other.
- All threads or bolts used in assembly of traffic signal components shall be coated with a non-lead based, anti-seize compound, similar to lead plate, prior to assembly
- Ground rods shall be solid copper, or copper clad steel
- A 24 x 30" aluminum left turn yield on green signal shall be mounted 6 to 12 inches to the right of each 4 section mast arm mounted left turn signal
- All bracket mounted heads shall be mounted on the side of the pole as directed by the city engineer in order to minimize vehicle damage.

SCHEDULE OF TRAFFIC SIGNAL HEADS

- EACH SIGNAL HEAD, POLYCARBONATE, 1-FACE, 3 SECTION BRACKET MOUNTED, 12" LENSES.
 - EACH SIGNAL HEAD, POLYCARBONATE, 1-FACE, 4 SECTION BRACKET MOUNTED, 12" LENSES.
 - EACH SIGNAL HEAD, POLYCARBONATE, 1-FACE, 3 SECTION MAST ARM MOUNTED, 12" LENSES.
 - EACH SIGNAL HEAD, POLYCARBONATE, 1 FACE, 4 SECTION MAST ARM MOUNTED, 12" LENSES.
 - EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED
- NOTE LED LAMPS ARE REQUIRED FOR FOR ALL INDICATIONS.



F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385	96-00306-00-SP	McLEAN	30	15
STA. 23+50		TO STA. 26+00		
FED. ROAD DIST. NO. ...		ILLINOIS		FED. AID PROJECT



CONSULTING ENGINEERS & LAND SURVEYORS
 505 NORTH MAIN STREET
 BLOOMINGTON, ILLINOIS 61702-1000
 PHONE (309) 829-2552

Lewis, Yockey & Brown, Inc.
 Consulting Engineers & Land Surveyors
 505 North Main Street, Bloomington, Illinois (309) 829-2552
 222 East Center Street, LeRoy, Illinois (309) 962-8151
 155 South Elm Street, El Paso, Illinois (309) 527-2552

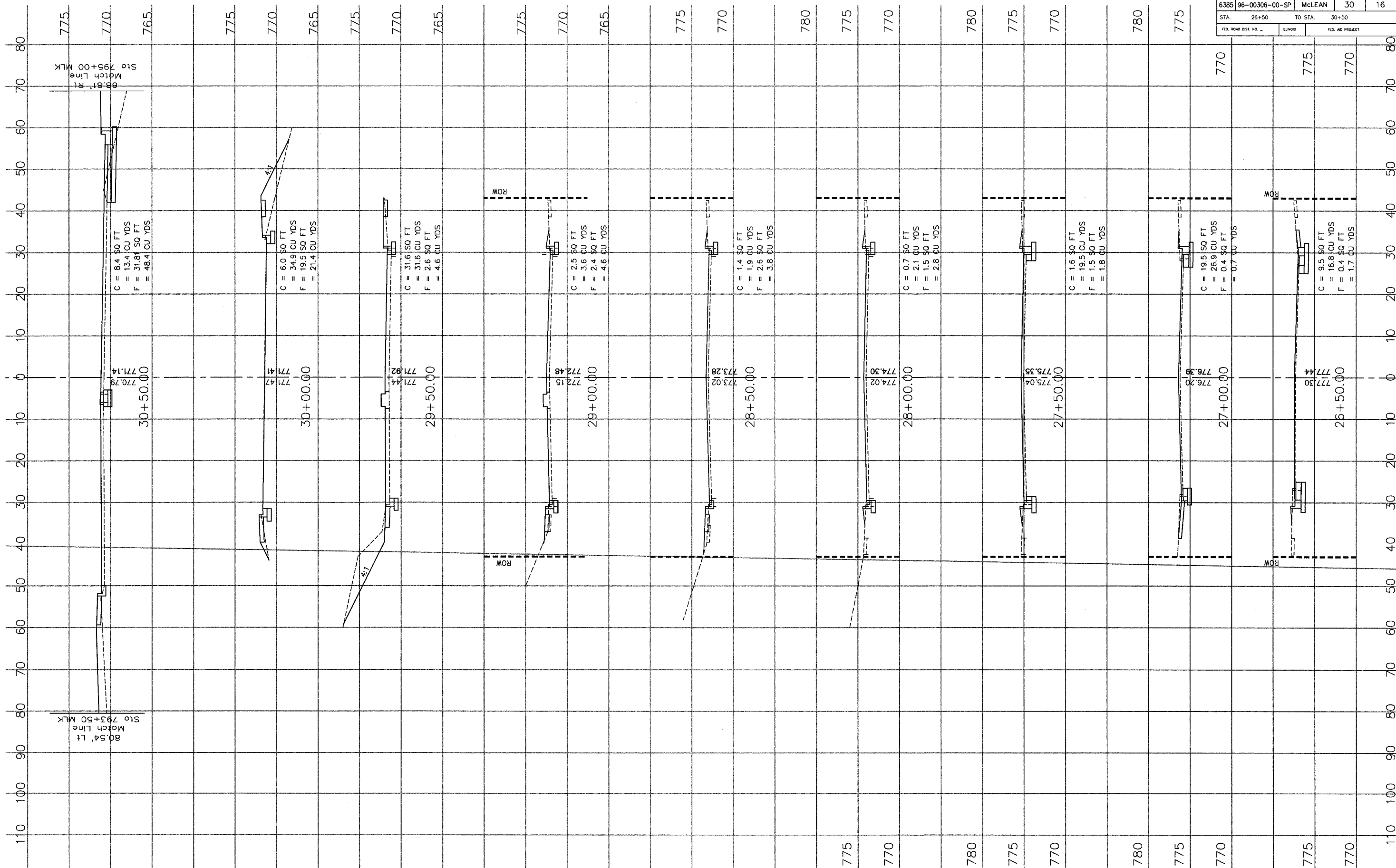
Rev. 11-3-05	Bk. 558
6-27-06	Dwn. SPN
	Dwn. EFD
	App. LDY

**MLK and White Oak Road
 Intersection Improvements
 West Martin Luther King Jr.
 Cross Sections**

Sheet **15**
 of 30

4018.63

F.A. No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385	96-00306-00-SP	McLEAN	30	16
STA.	26+50	TO STA.	30+50	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



Lewis, Yockey & Brown, Inc.
 Consulting Engineers & Land Surveyors
 505 North Main Street
 • Bloomington, Illinois
 Ph. (309) 829-2552

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 Ph. (309) 962-8151

155 South Elm Street
 • El Paso, Illinois
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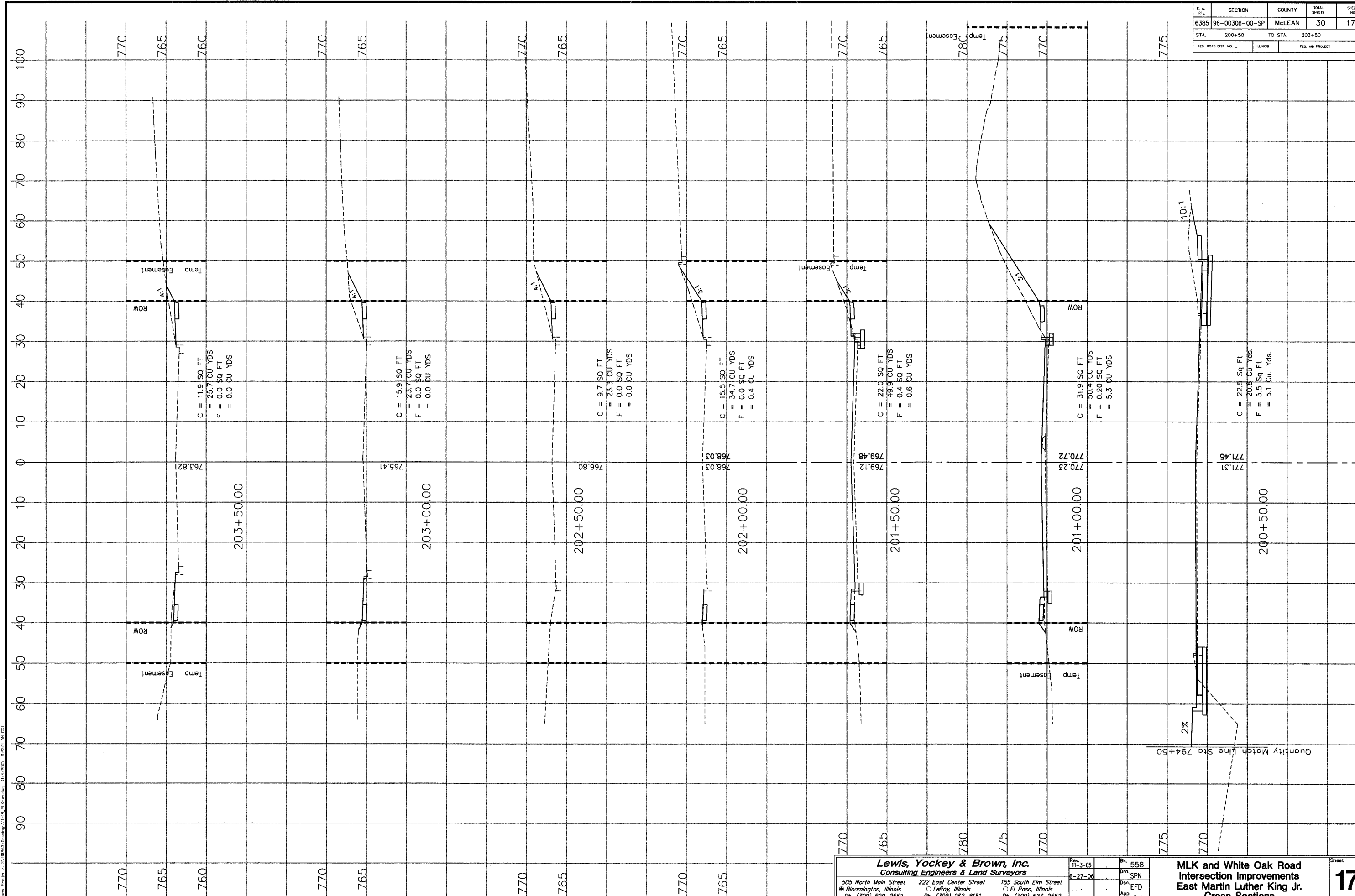
**MLK and White Oak Road
 Intersection Improvements
 West Martin Luther King Jr.
 Cross Sections**

Sheet
16
 of 30

4018.63

CLAWSON PROJECTS 31401863.dwg 11/27/06 11:25:39 AM CST

F. A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
6385	96-00306-00-SP	McLEAN	30	17
STA. 200+50		TO STA. 203+50		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



Lewis, Yockey & Brown, Inc.
 Consulting Engineers & Land Surveyors
 505 North Main Street • Bloomington, Illinois Ph. (309) 829-2552
 222 East Center Street • LeFoy, Illinois Ph. (309) 962-8151
 155 South Elm Street • El Paso, Illinois Ph. (309) 527-2552

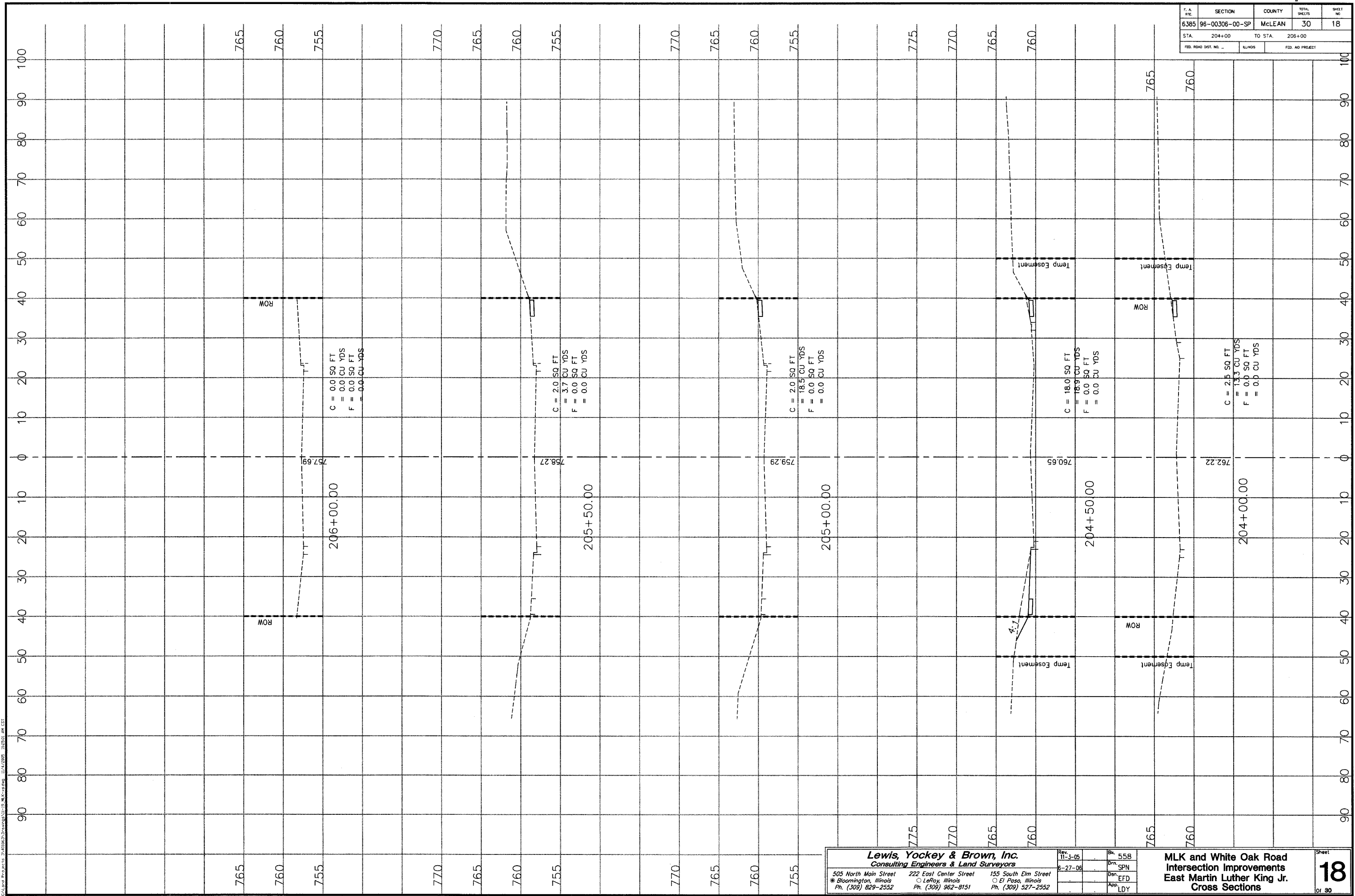
Rev. 11-3-05	Bk. 558
8-27-06	Dwn. SPN
	Dsn. EFD
	App. LDY

**MLK and White Oak Road
 Intersection Improvements
 East Martin Luther King Jr.
 Cross Sections**

CALSWP: PROJECT: 314085; DRAWING: 11-B, MLK-4449; 11/2/05; 11:50:01 AM CST

4018.63

T.A. SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385	96-00306-00-SP	McLEAN	30	18
STA. 204+00		TO STA. 206+00		
FED. ROAD DIST. NO. ...		ILLINOIS		FED. AID PROJECT



Lewis, Yockey & Brown, Inc.
 Consulting Engineers & Land Surveyors
 505 North Main Street
 Bloomington, Illinois
 Ph. (309) 829-2552

222 East Center Street
 LeRoy, Illinois
 Ph. (309) 962-8151

155 South Elm Street
 El Paso, Illinois
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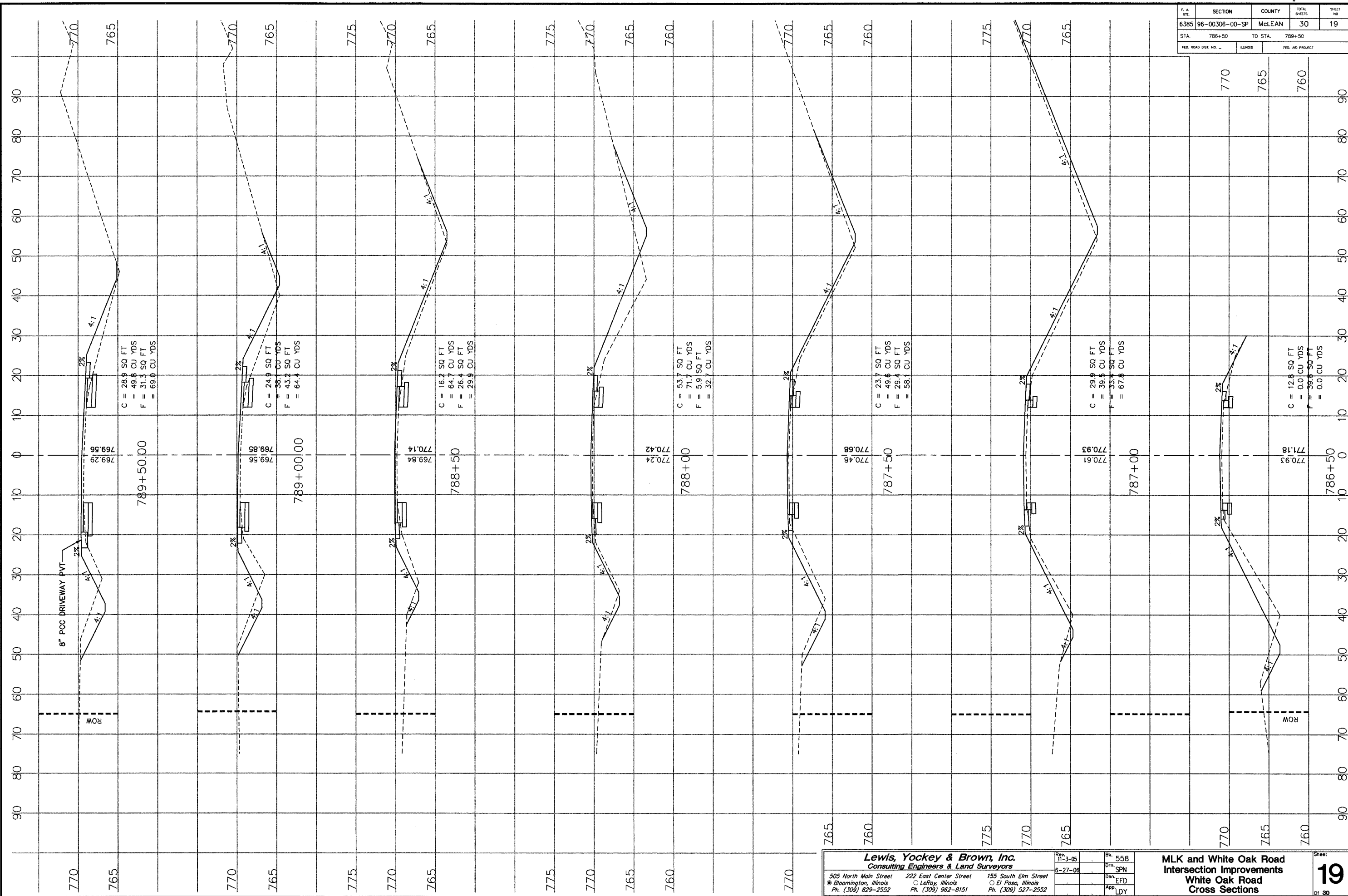
Rev.	11-3-05	Bk.	558
	6-27-06	Dwn.	SPN
		Des.	EFD
		App.	LDY

**MLK and White Oak Road
 Intersection Improvements
 East Martin Luther King Jr.
 Cross Sections**

Sheet
18
 of 30

CALAND PROJECTS INCORPORATED 11/18/05 11:50:00 AM CST

F.A. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385	96-00306-00-SP	McLEAN	30	19
STA. 786+50		TO STA. 789+50		
FED. ROAD DIST. NO. -		LANDS		FED. AID PROJECT



Lewis, Yockey & Brown, Inc.
 Consulting Engineers & Land Surveyors

505 North Main Street
 ● Bloomington, Illinois
 Ph. (308) 829-2552

222 East Center Street
 ○ LeRoy, Illinois
 Ph. (309) 962-8151

155 South Elm Street
 ○ El Paso, Illinois
 Ph. (309) 527-2552

Rev. 11-3-05
 8-27-06

Bk. 558
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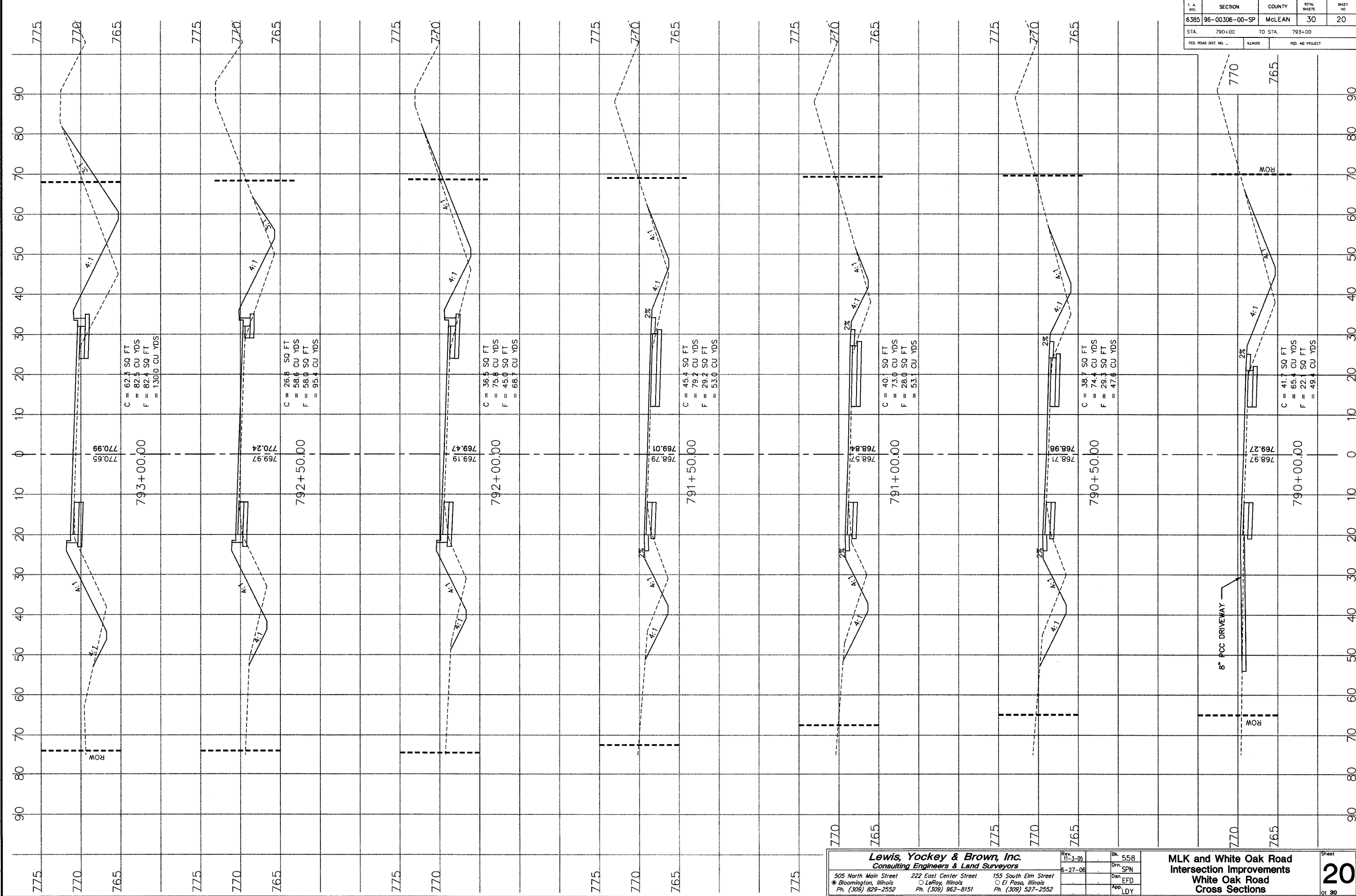
**MLK and White Oak Road
 Intersection Improvements
 White Oak Road
 Cross Sections**

Sheet
19
 of 30

Columns Projected To Vertical Datum of 1985. All Elevation Readings are in Feet.

4018.63

F.A. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385	96-00306-00-SP	McLEAN	30	20
STA.	790+00	TO STA.	793+00	
FED. ROAD DIST. NO.		LANES		FED. AID PROJECT



C = 62.3 SQ FT
 = 82.5 CU YDS
 F = 82.4 SQ FT
 = 130.0 CU YDS

C = 26.8 SQ FT
 = 58.6 CU YDS
 F = 56.0 SQ FT
 = 95.4 CU YDS

C = 36.5 SQ FT
 = 75.8 CU YDS
 F = 45.0 SQ FT
 = 68.7 CU YDS

C = 45.4 SQ FT
 = 79.2 CU YDS
 F = 29.2 SQ FT
 = 53.0 CU YDS

C = 40.1 SQ FT
 = 73.0 CU YDS
 F = 28.0 SQ FT
 = 53.1 CU YDS

C = 38.7 SQ FT
 = 74.7 CU YDS
 F = 29.3 SQ FT
 = 47.6 CU YDS

C = 41.7 SQ FT
 = 65.4 CU YDS
 F = 22.1 SQ FT
 = 49.4 CU YDS

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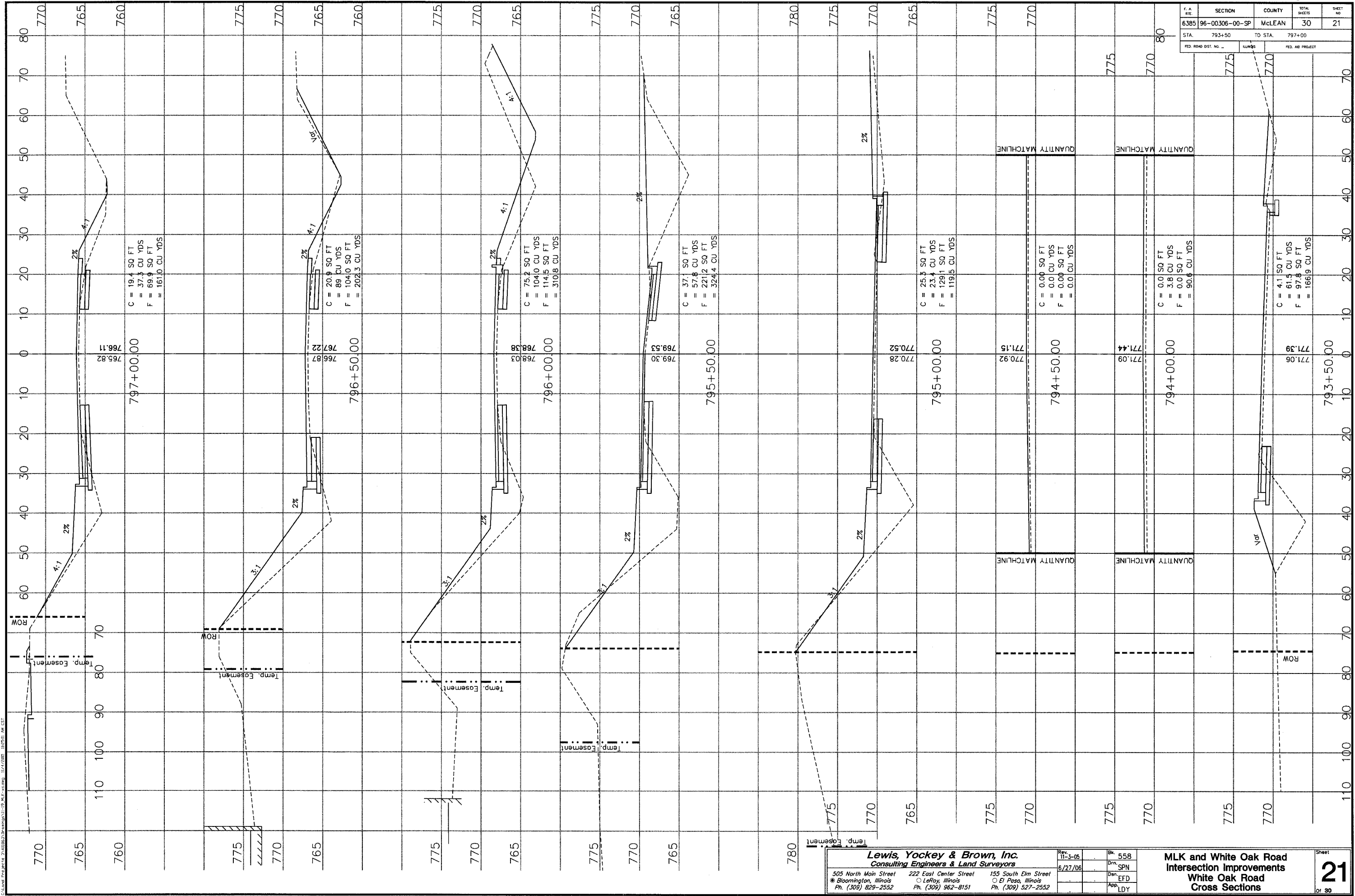
**MLK and White Oak Road
 Intersection Improvements
 White Oak Road
 Cross Sections**

Sheet
20
 of 30

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F.A. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385	96-00306-00-SP	McLEAN	30	21
STA.	793+50	TO STA.	797+00	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



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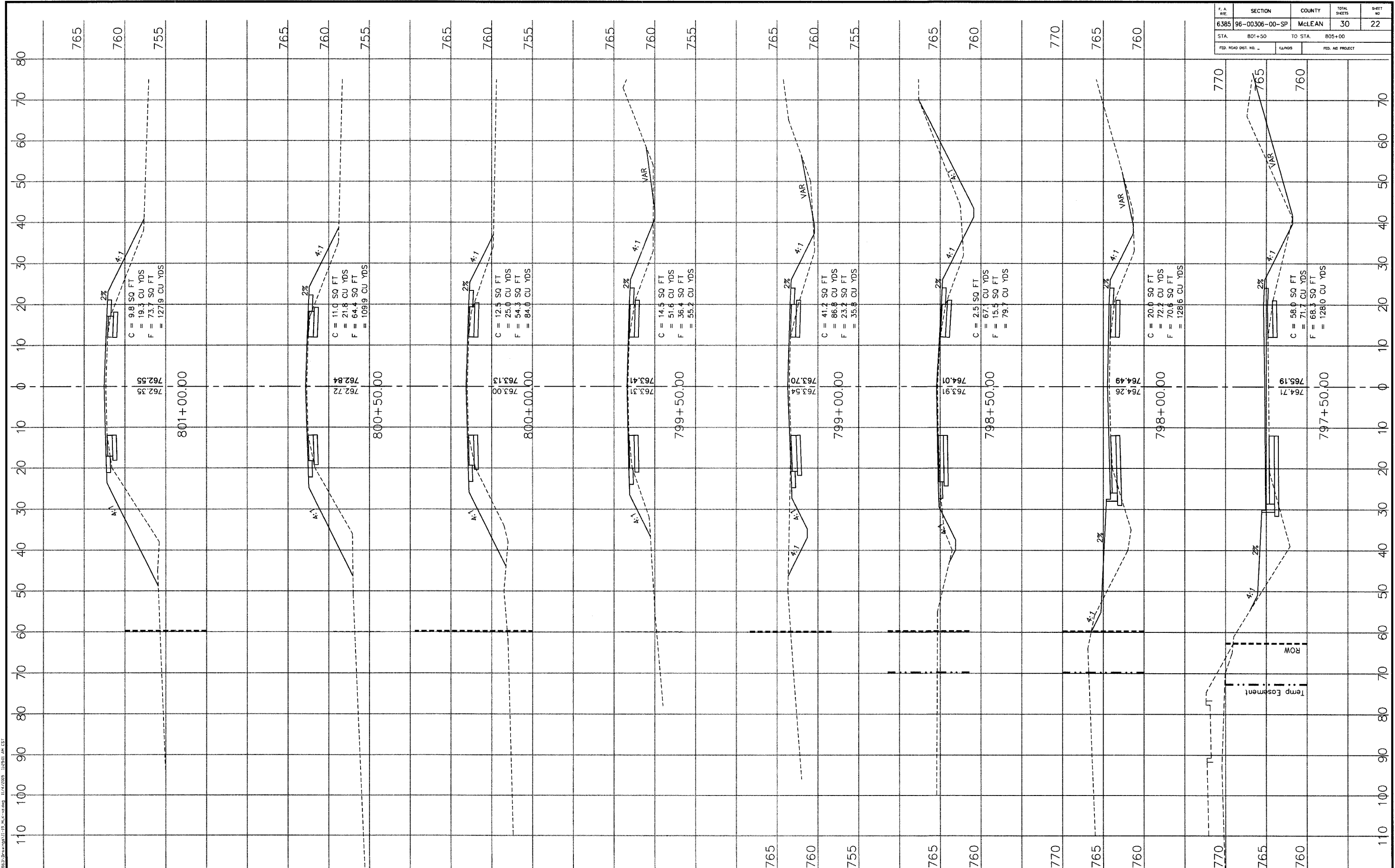
505 North Main Street Bloomington, Illinois Ph. (309) 829-2552	222 East Center Street Leroy, Illinois Ph. (309) 962-8151	155 South Elm Street El Paso, Illinois Ph. (309) 527-2552
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6/27/06	Dwn. SPN
	Dan. EFD
	App. LDY

**MLK and White Oak Road
 Intersection Improvements
 White Oak Road
 Cross Sections**

NG
 OSED
 ING
 OSED

F. A. R. E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385	96-00306-00-SP	McLEAN	30	22
STA. 801+50		TO STA. 805+00		
FED. ROAD DIST. NO.	ISLANDS	FED. AID PROJECT		



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Bk. 558
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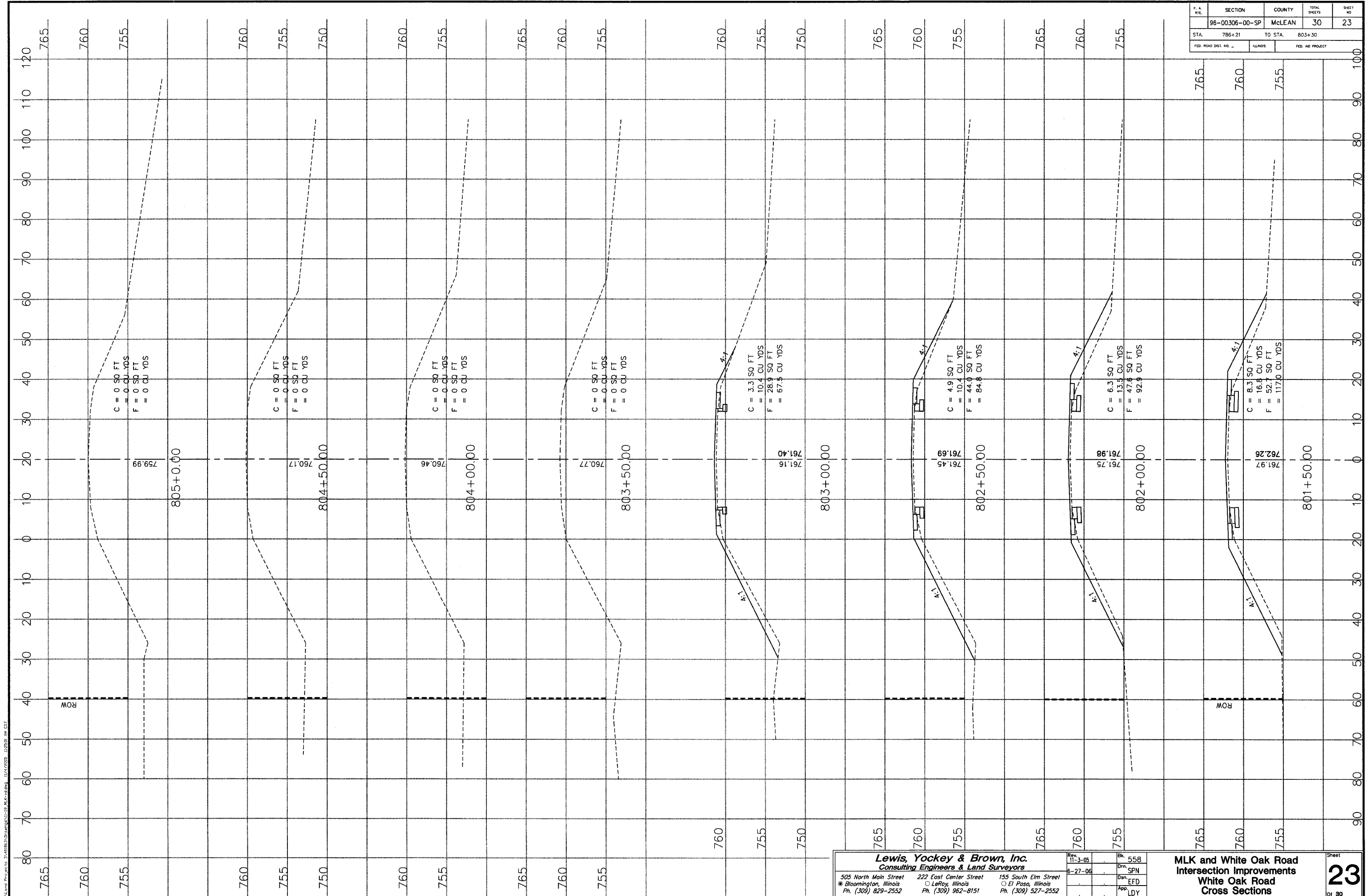
**MLK and White Oak Road
 Intersection Improvements
 White Oak Road
 Cross Sections**

Sheet
22
 of 30

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F. & R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	96-00306-00-SP	McLEAN	30	23
STA. 786+21	TO STA. 803+30			
FED. ROAD DIST. NO. _____	LANDS	FED. AID PROJECT		



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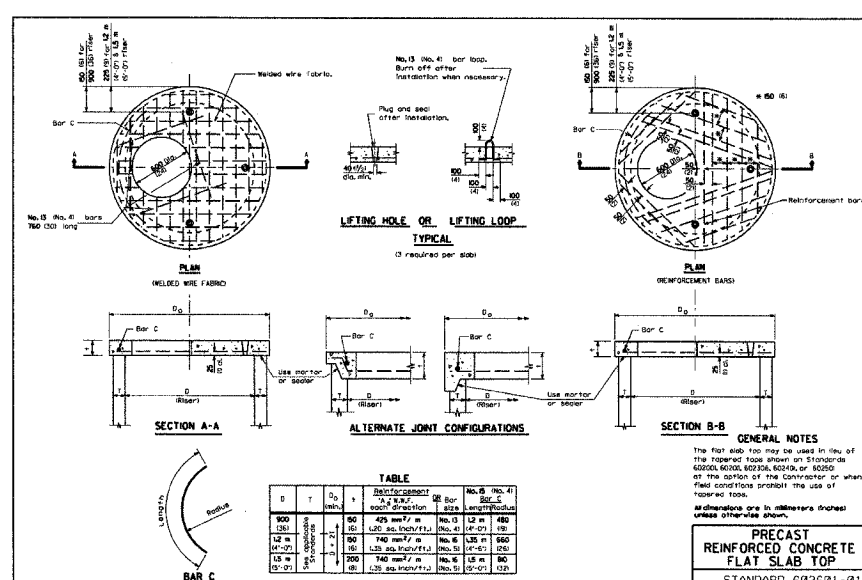
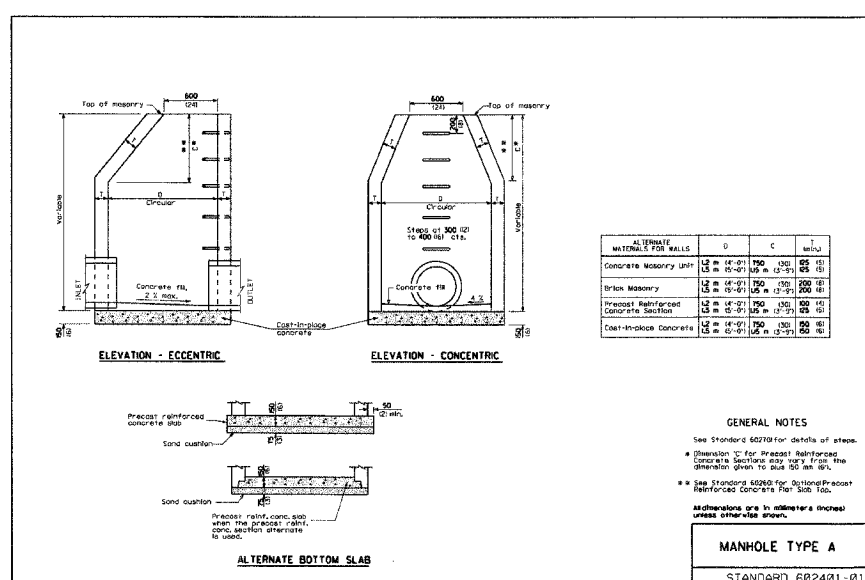
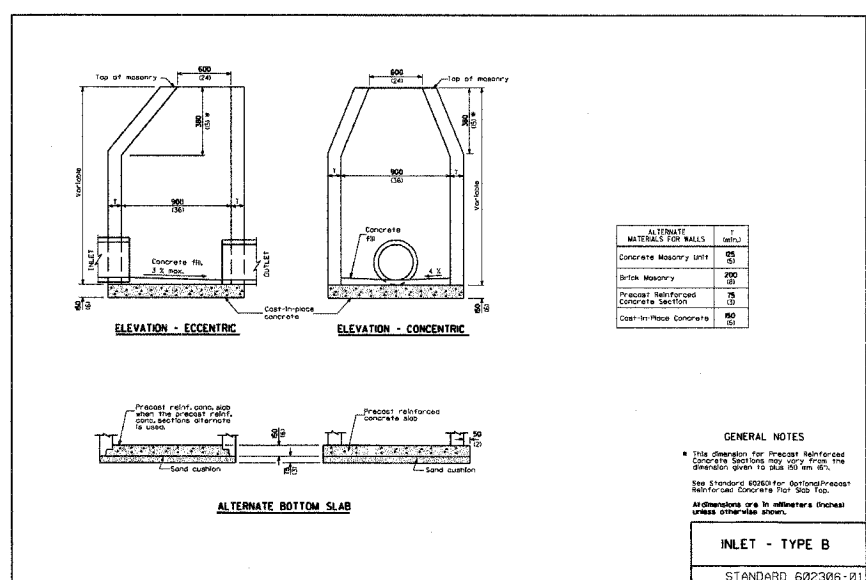
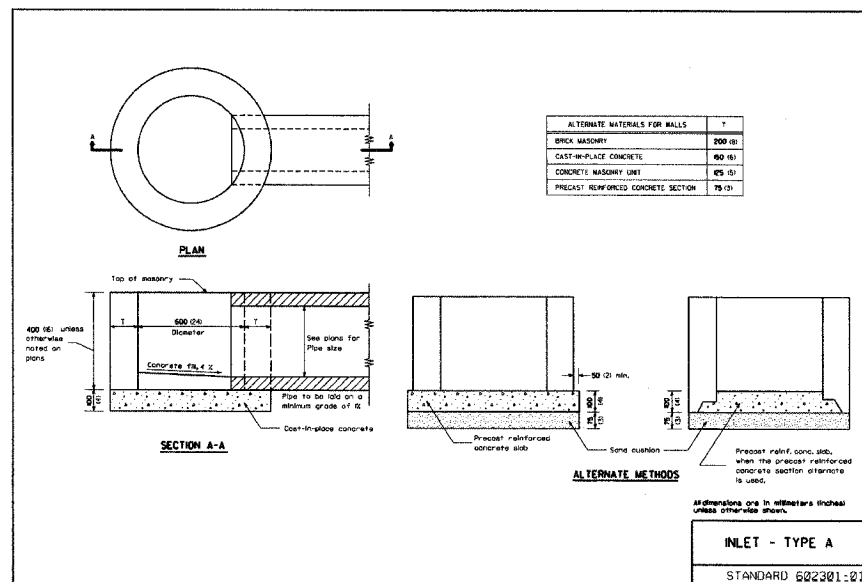
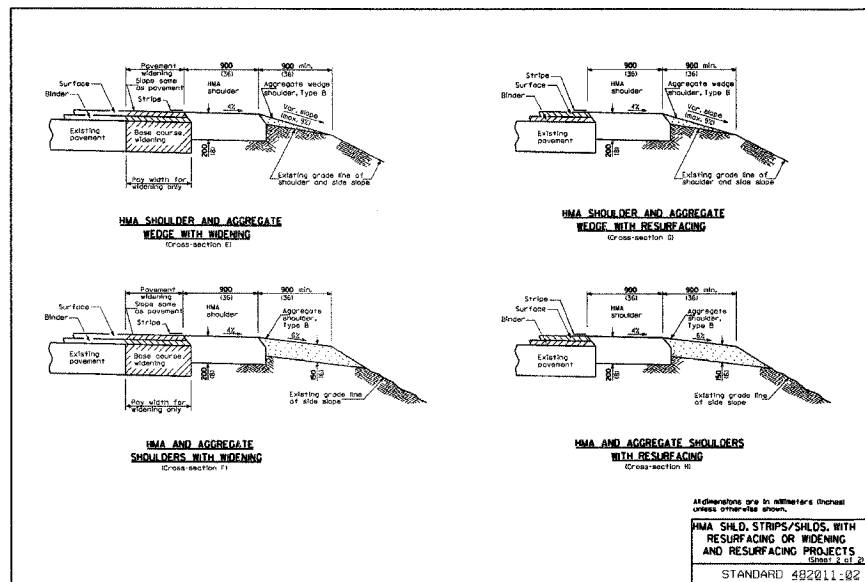
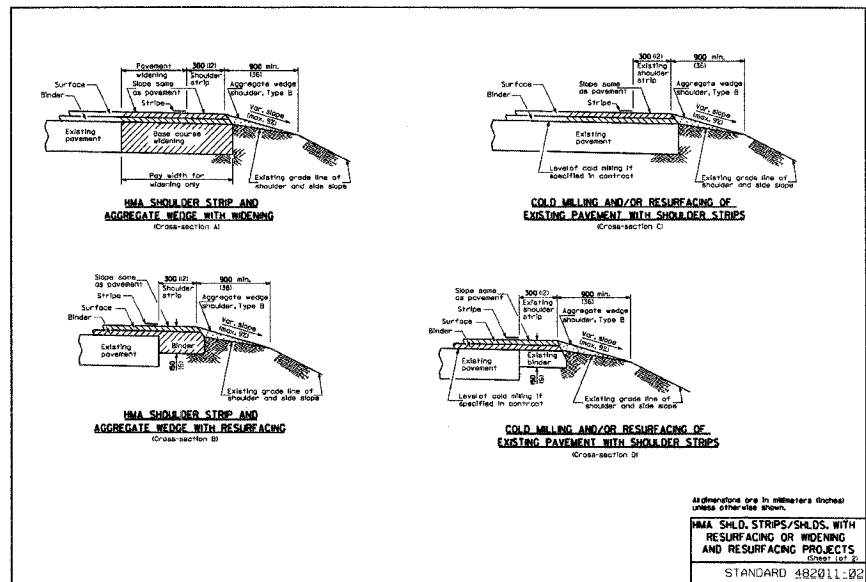
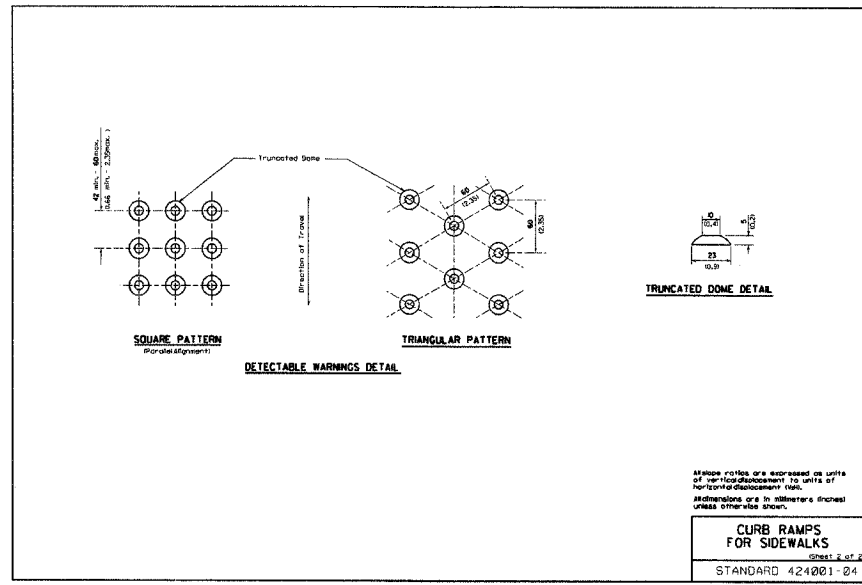
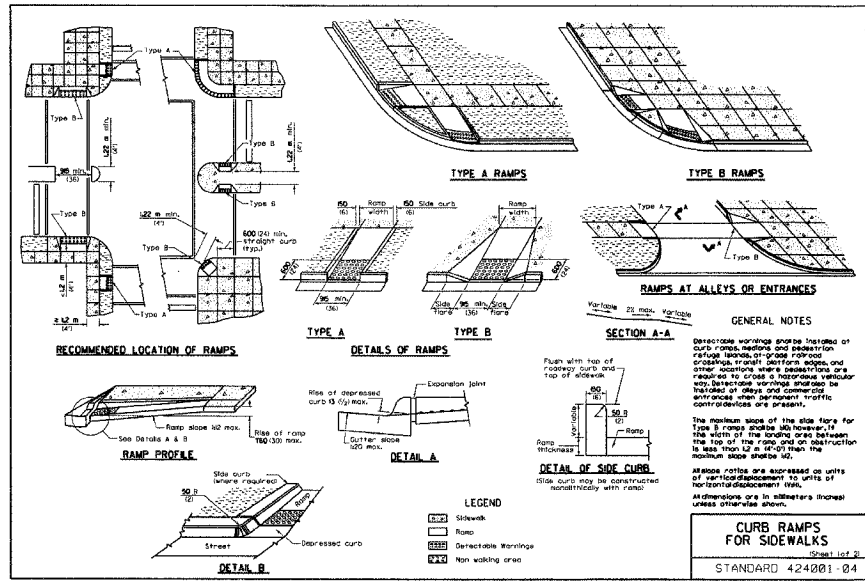
Rev. 11-3-05	Bk. 558
6-27-06	Dwn. SPN
	Dsn. EFD
	App. LDY

**MLK and White Oak Road
 Intersection Improvements
 White Oak Road
 Cross Sections**

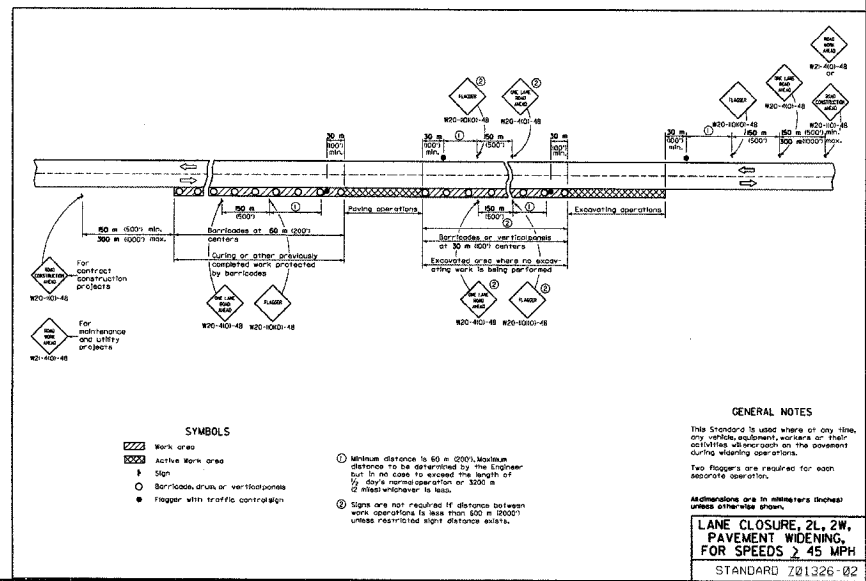
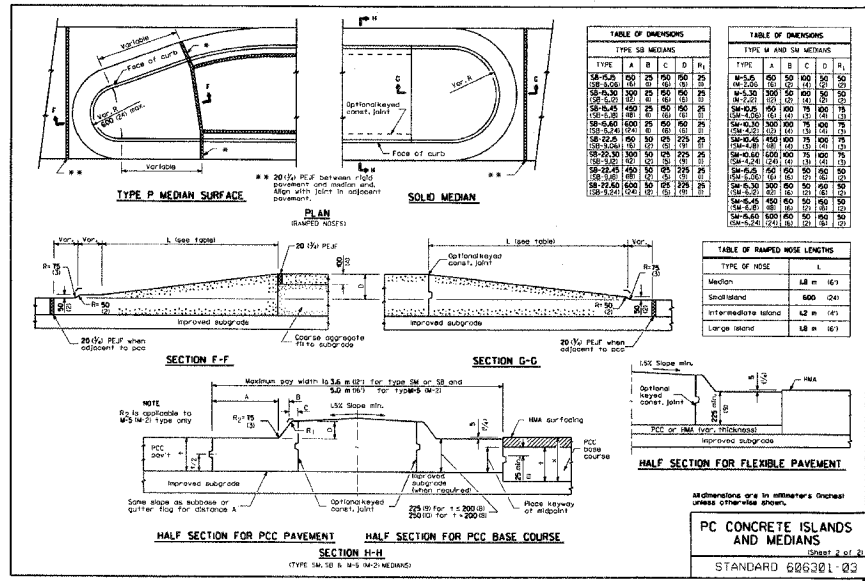
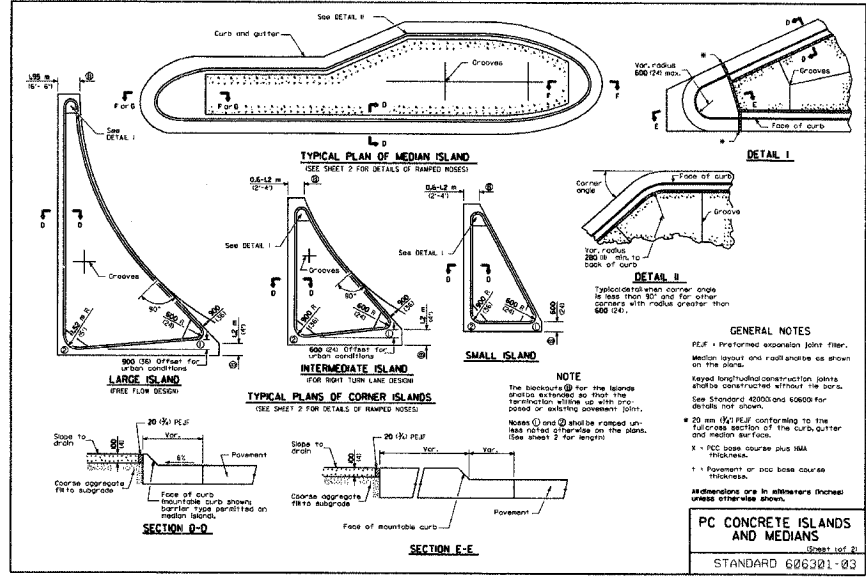
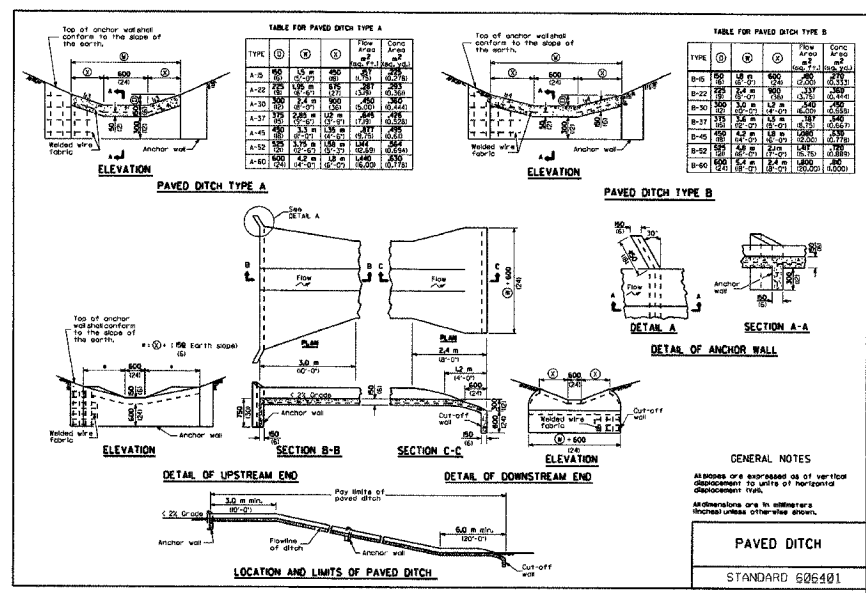
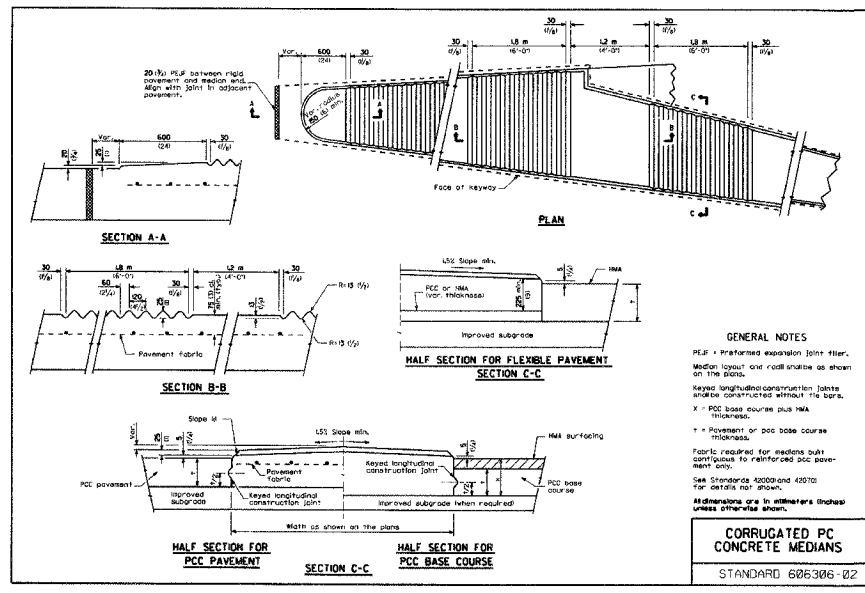
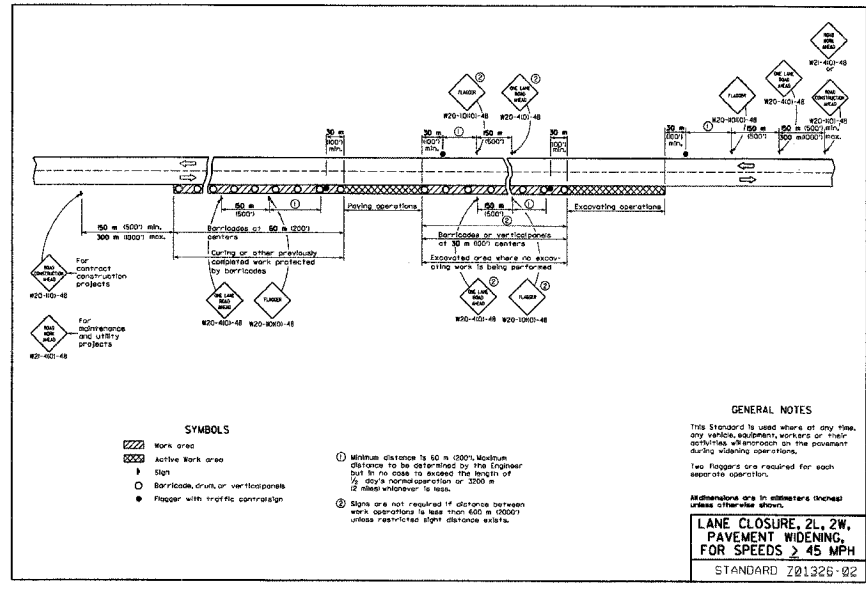
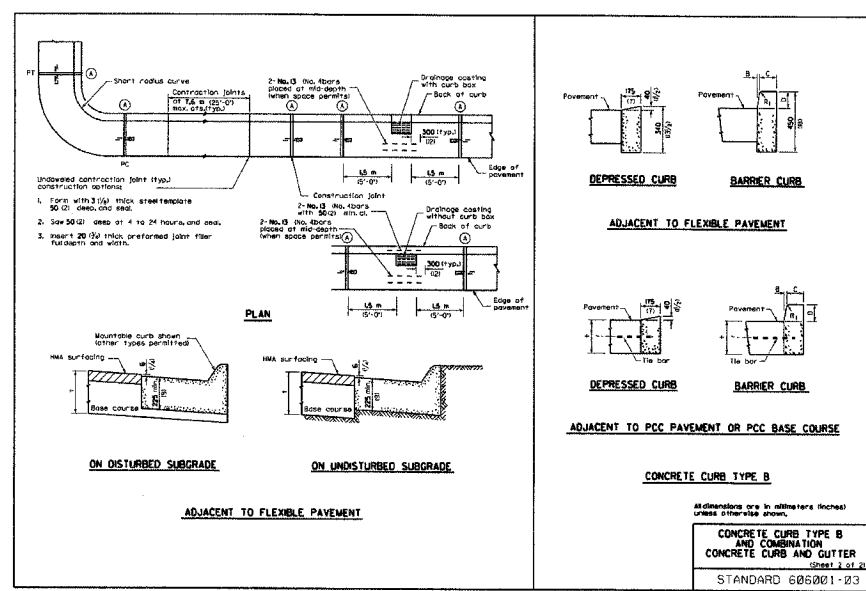
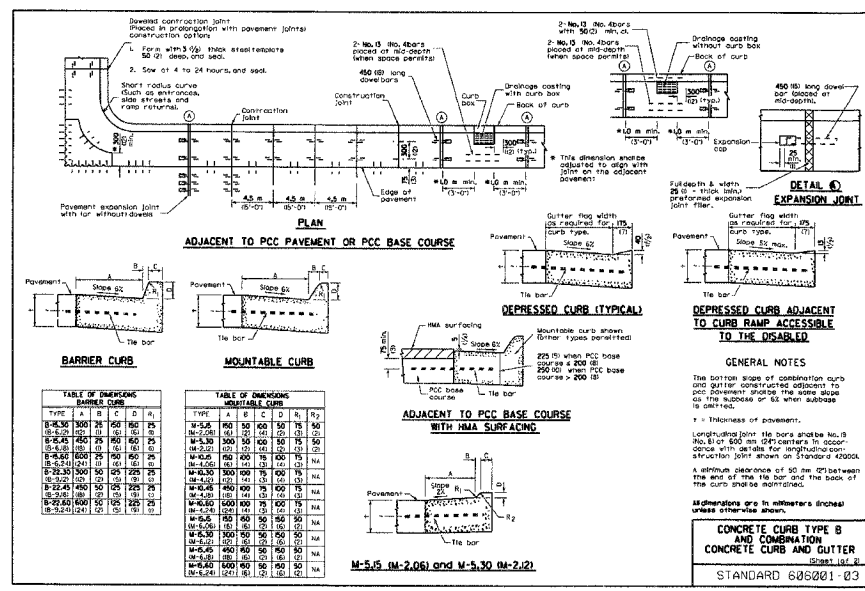
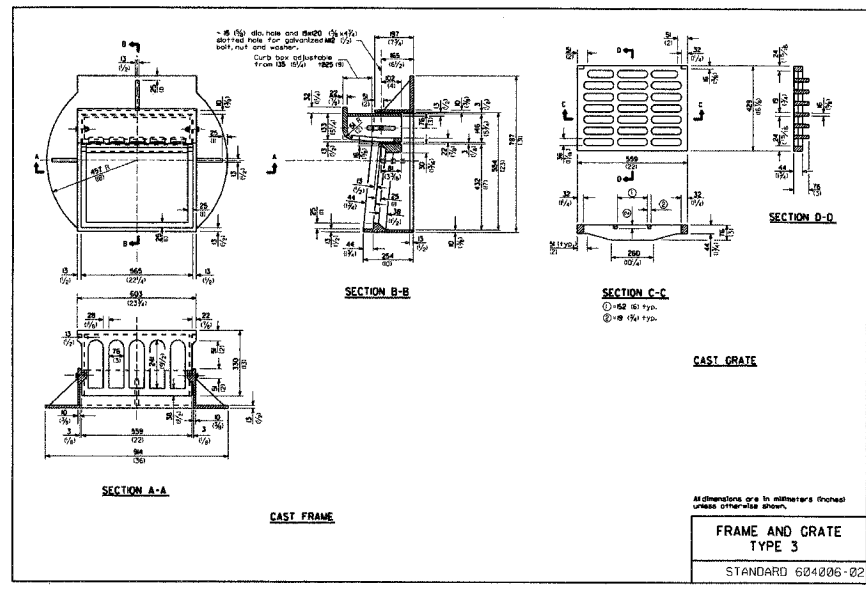
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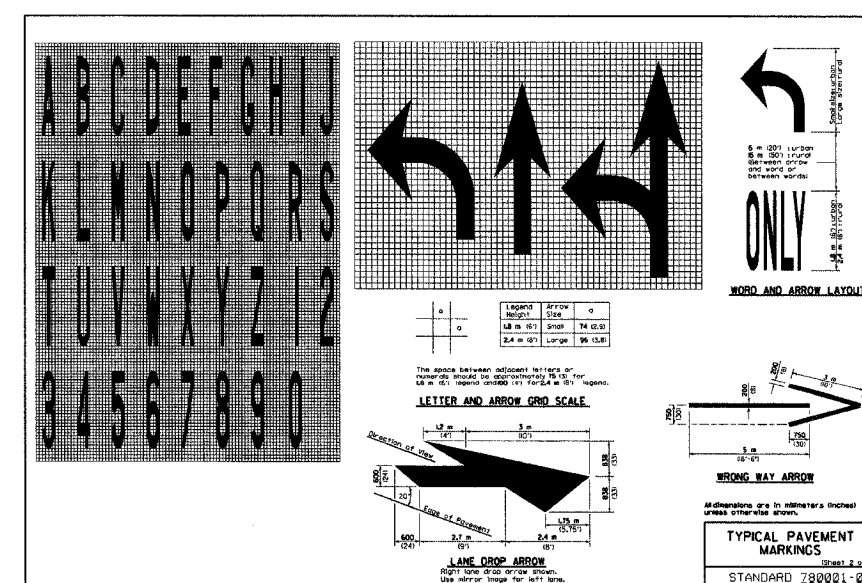
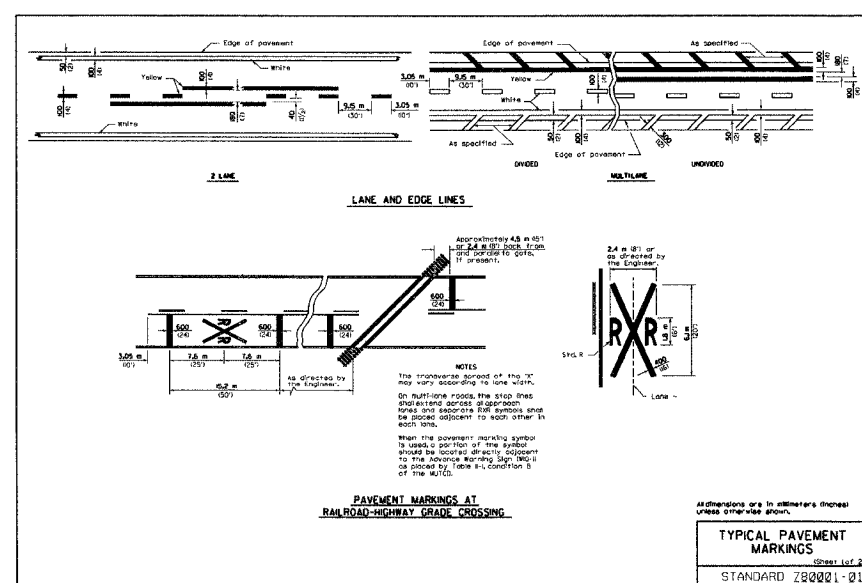
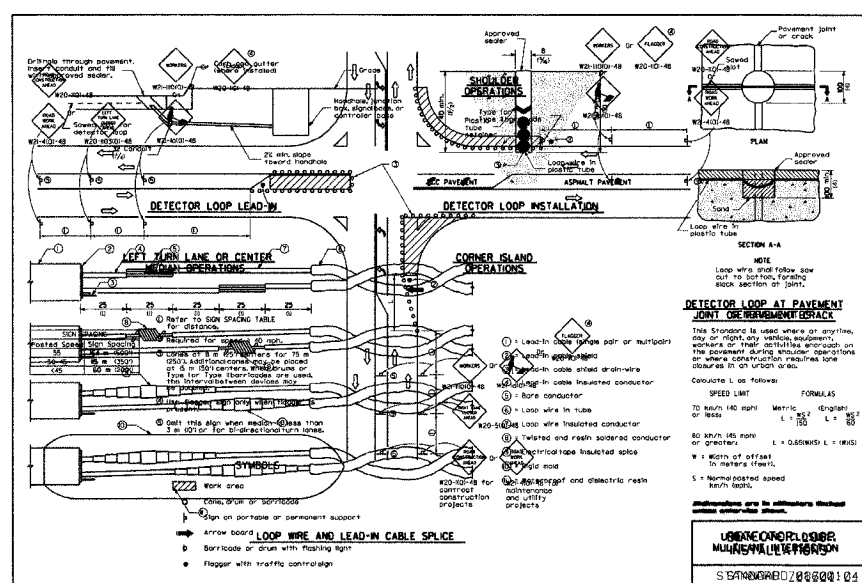
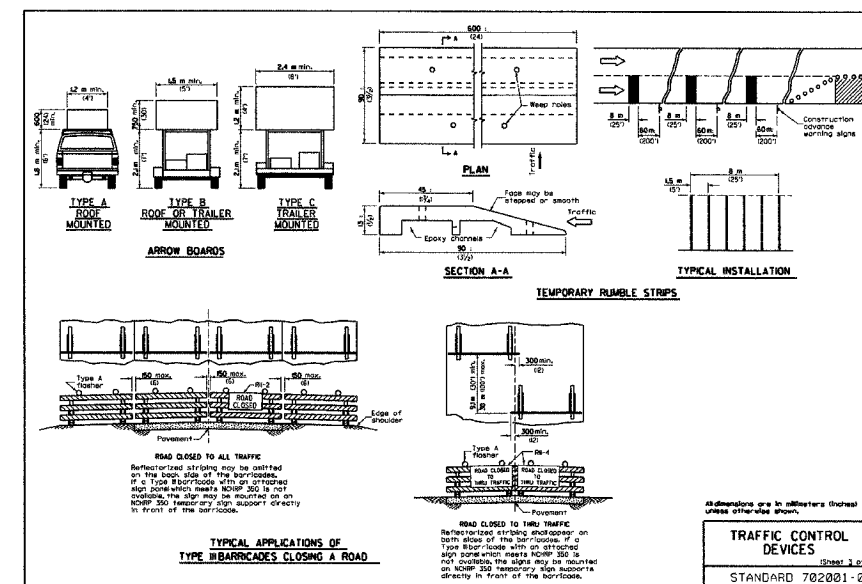
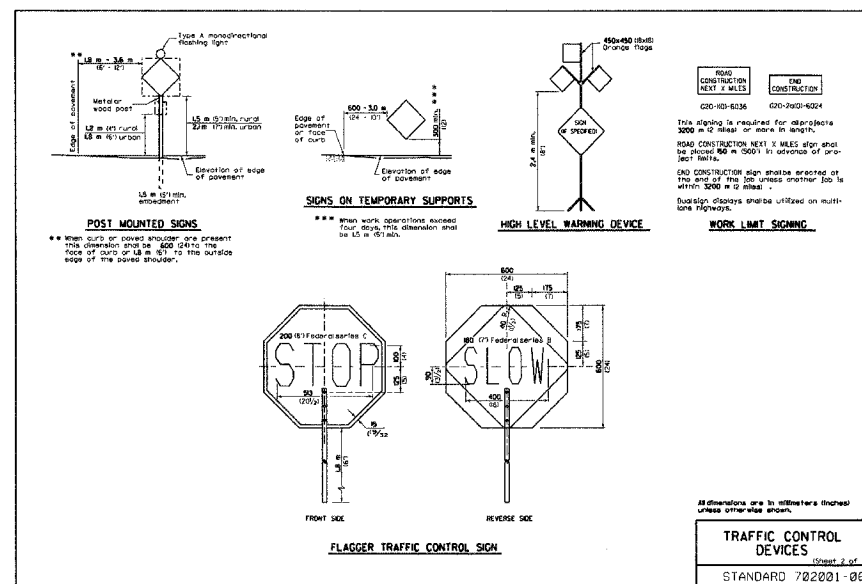
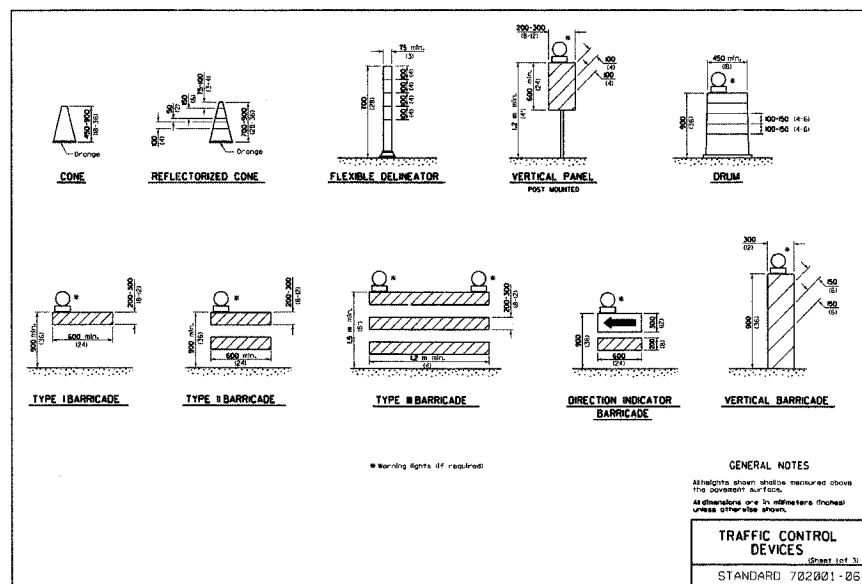
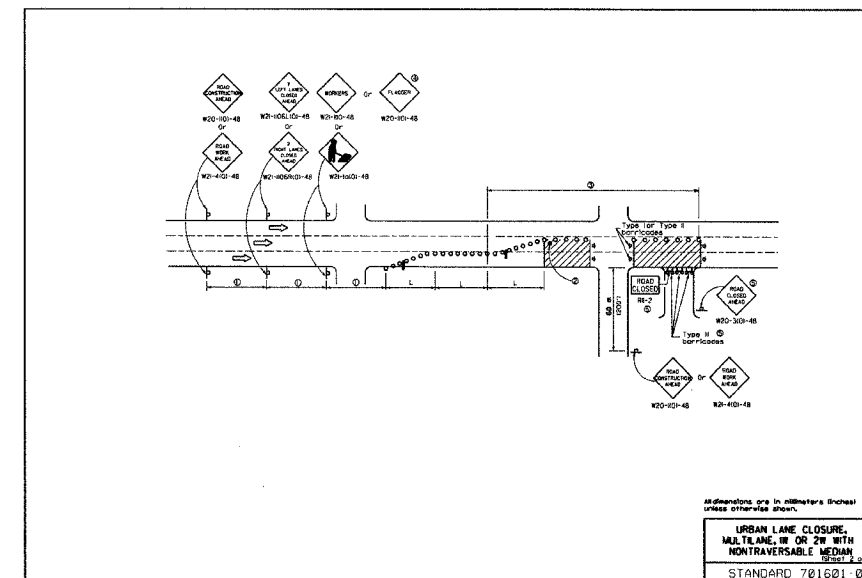
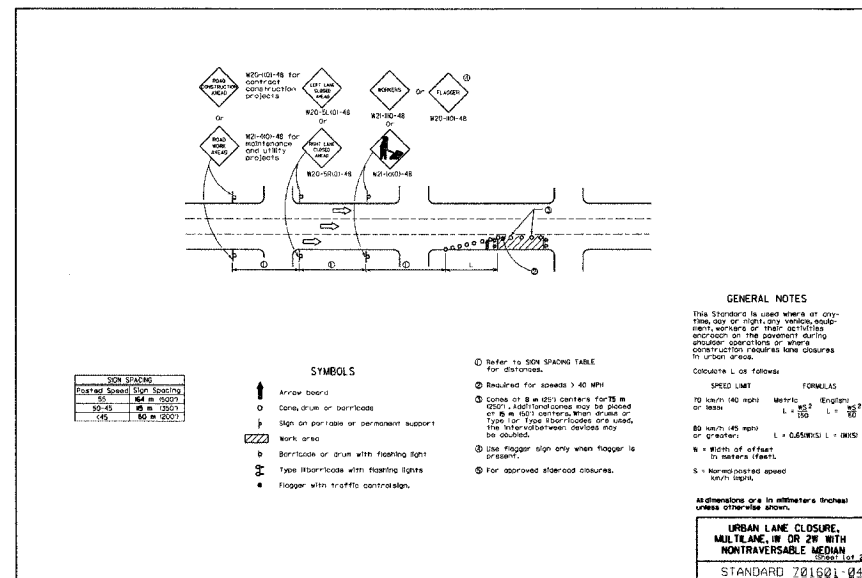
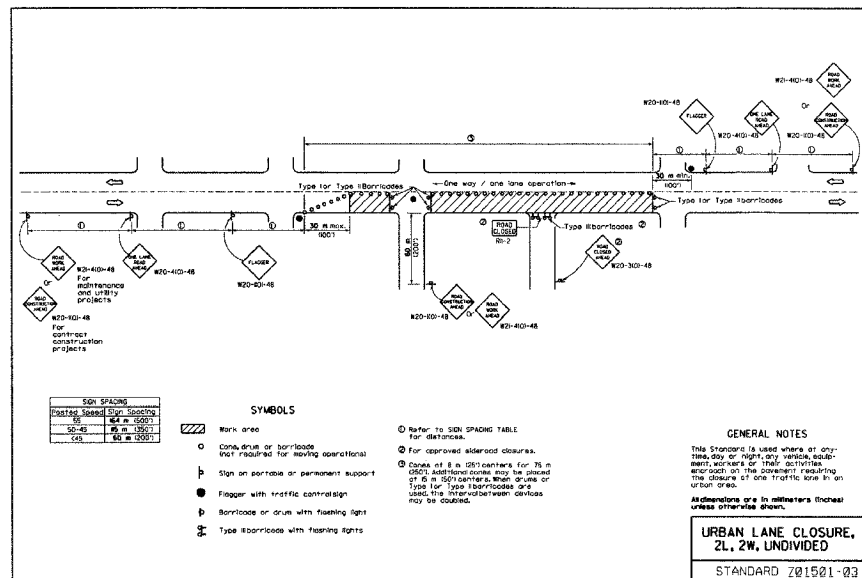
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FBI	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385	96-00306-00-SP	McLean	30	24



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B385 P6-00306-00-SP	McLean	30	25





TAB. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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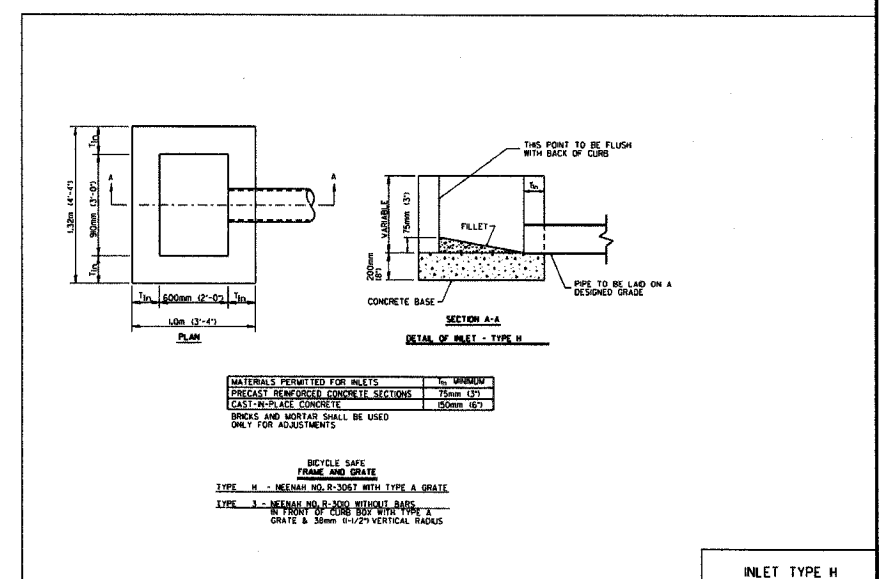
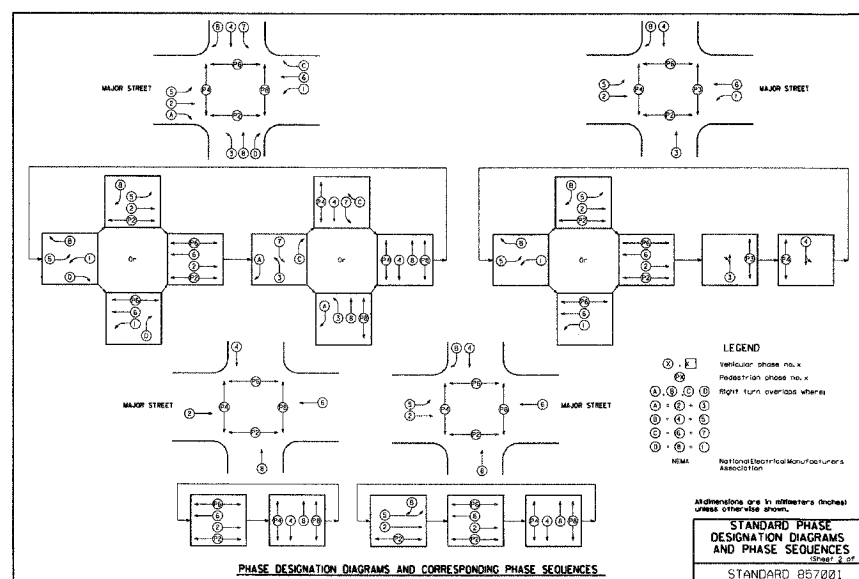
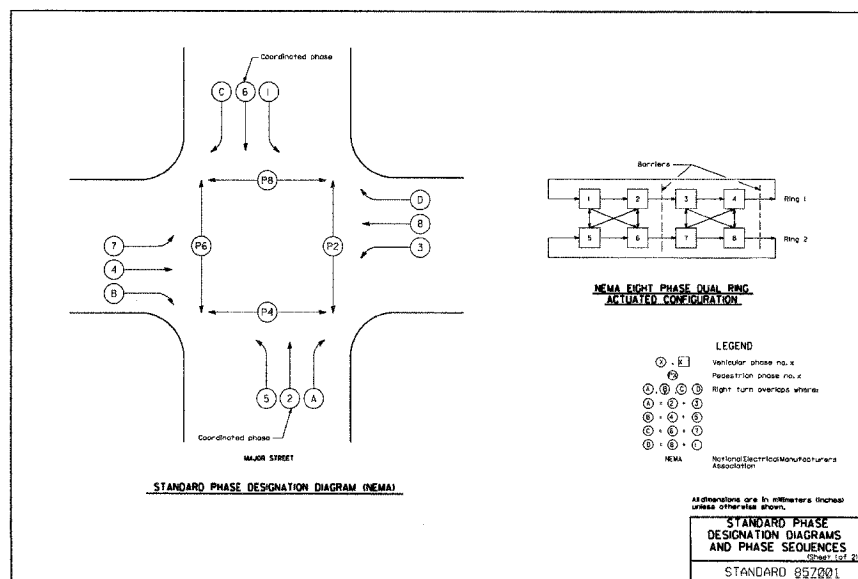
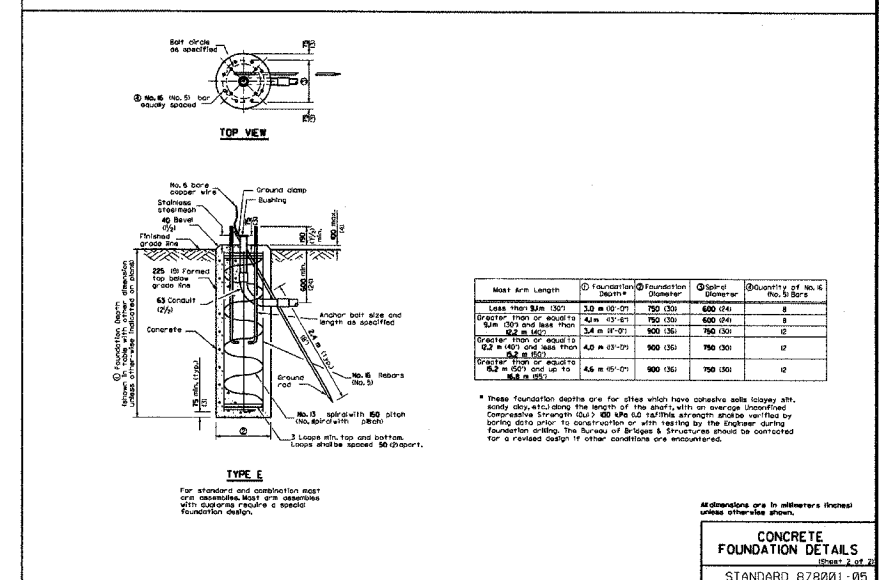
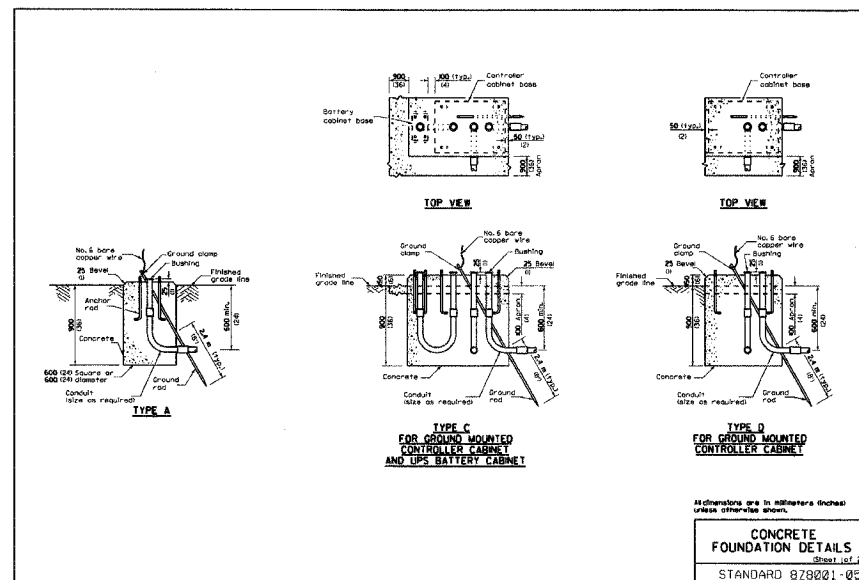
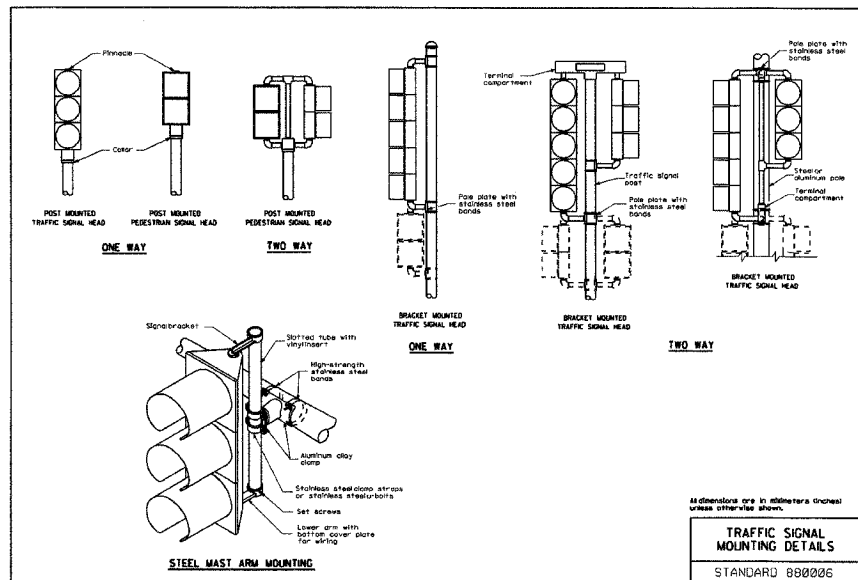
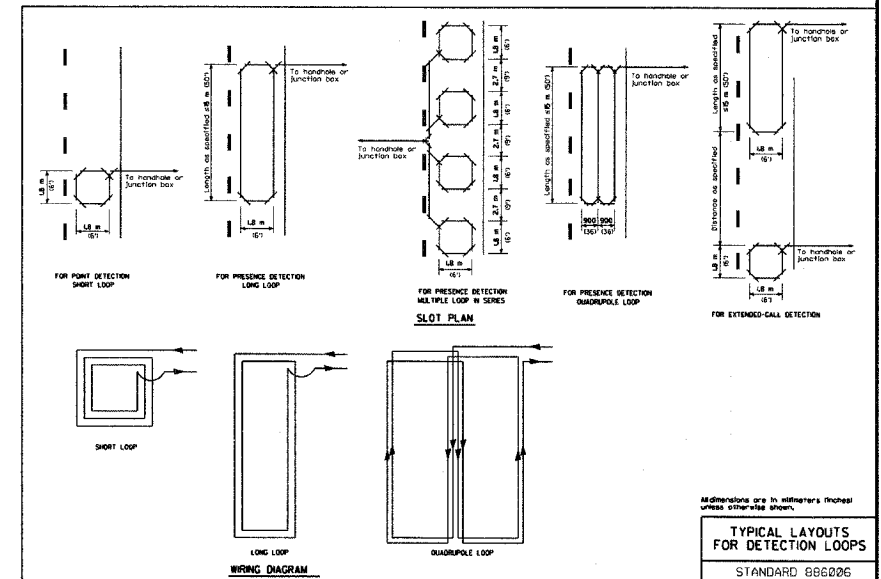
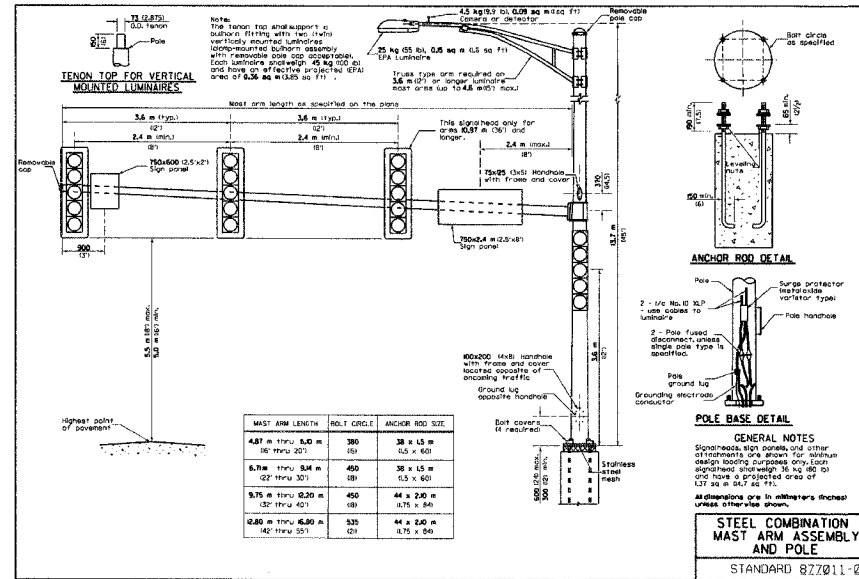
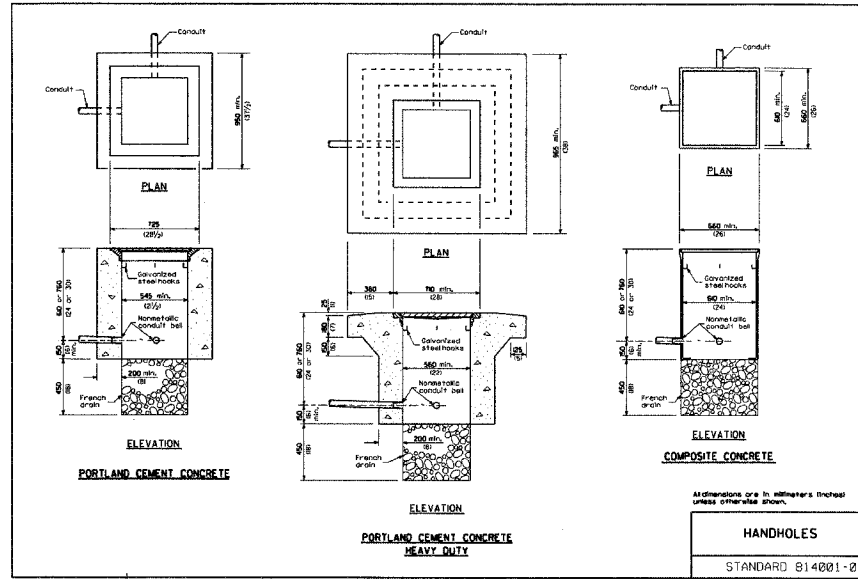
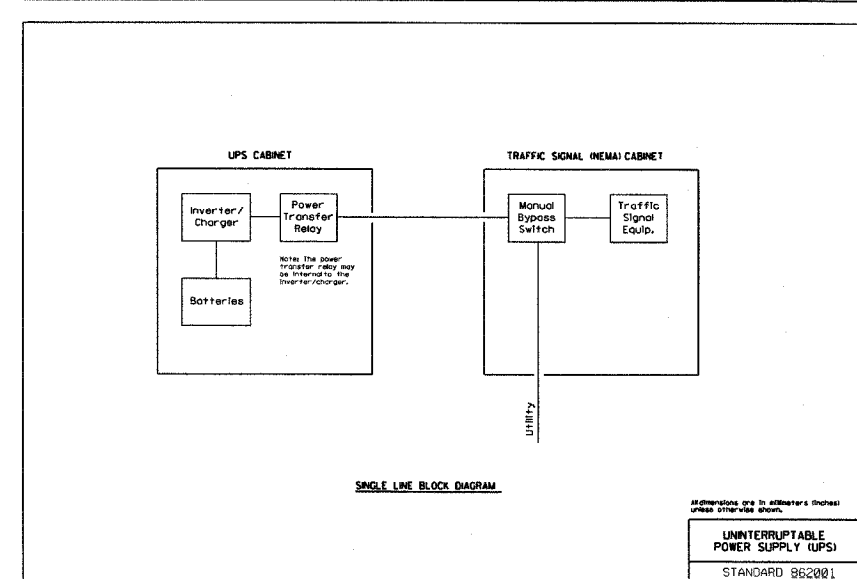
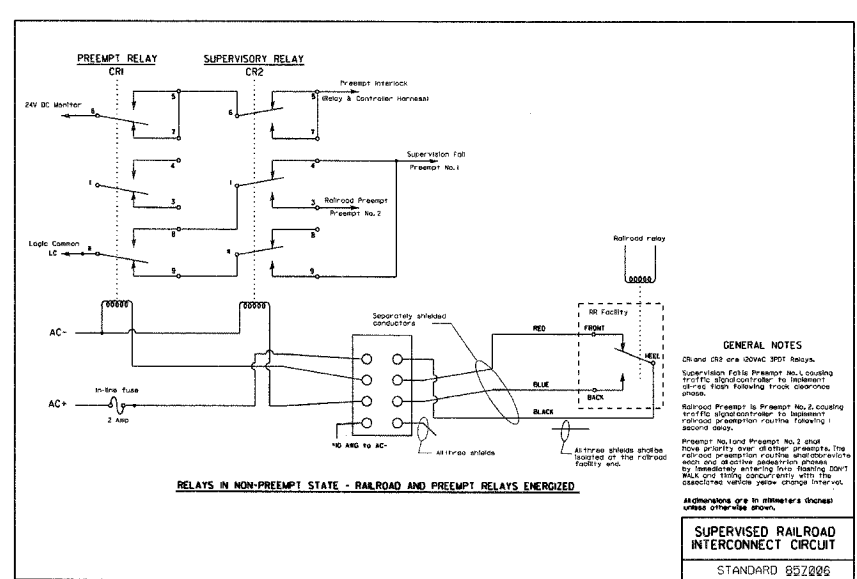
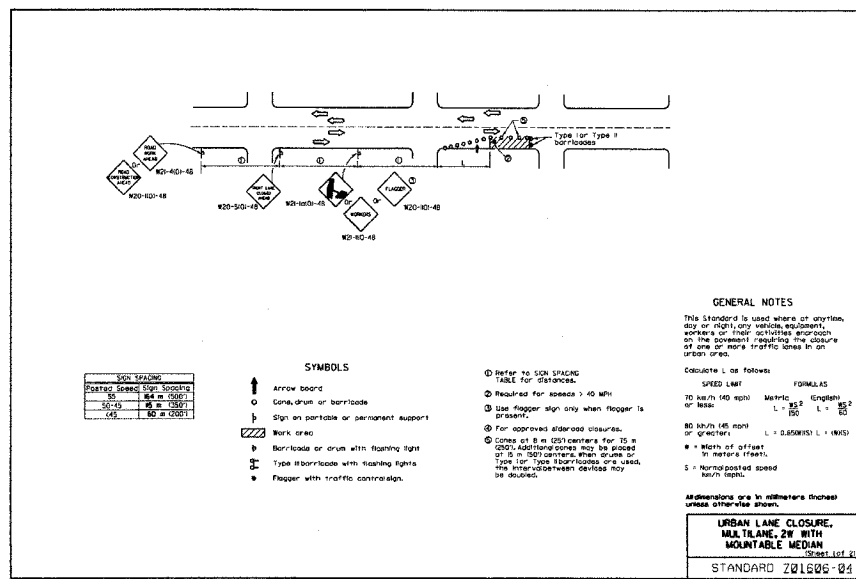
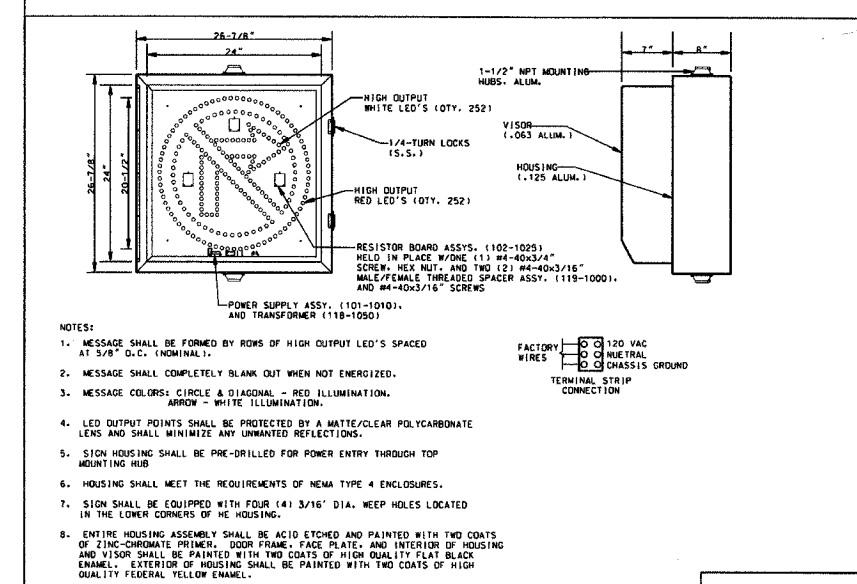
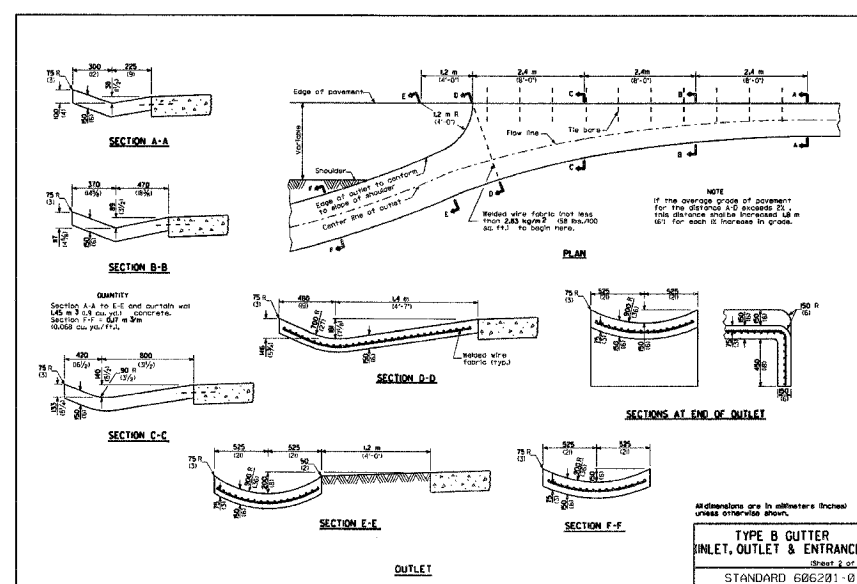
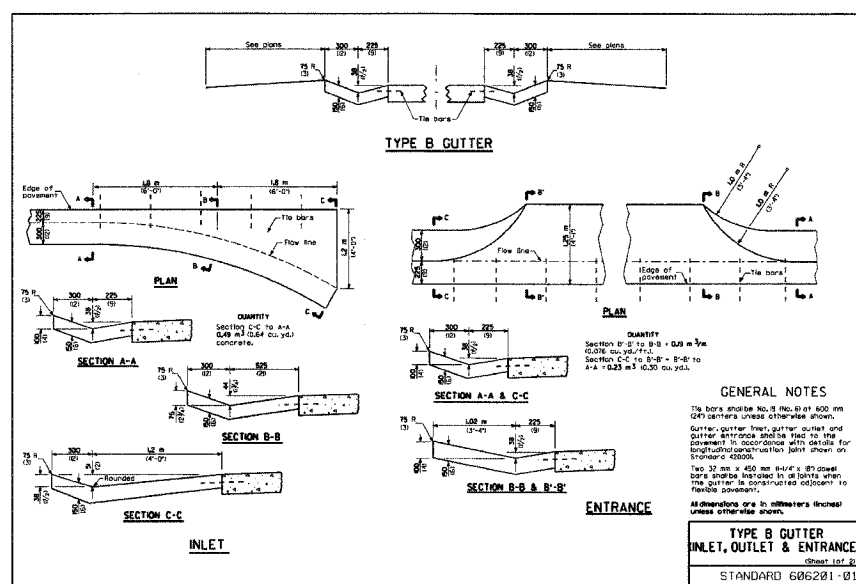
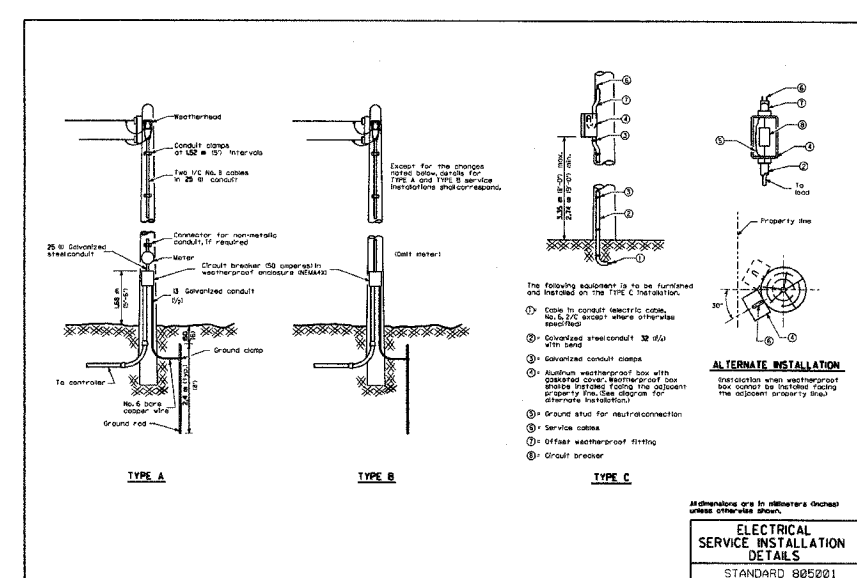
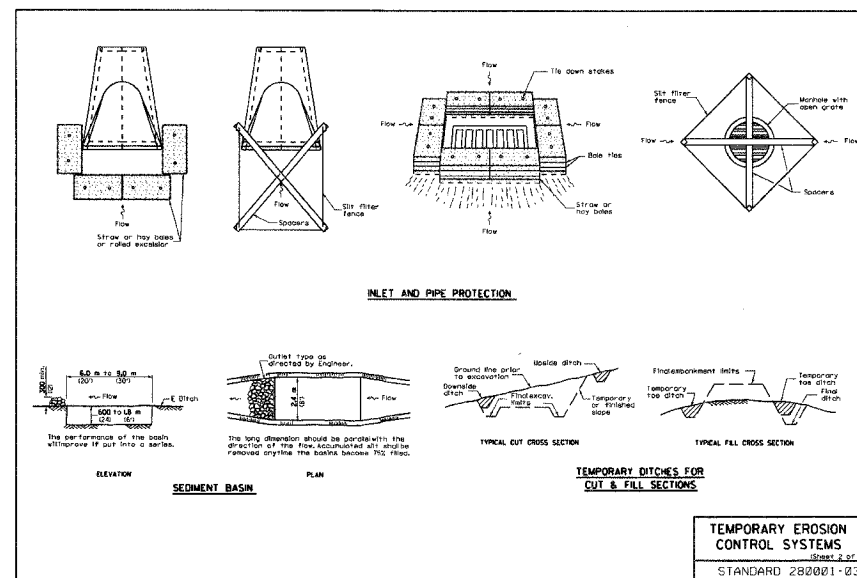
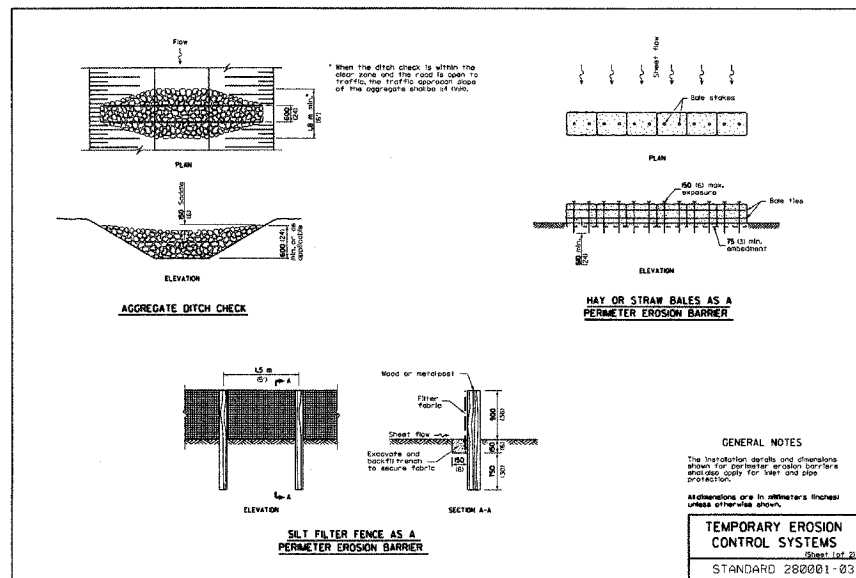
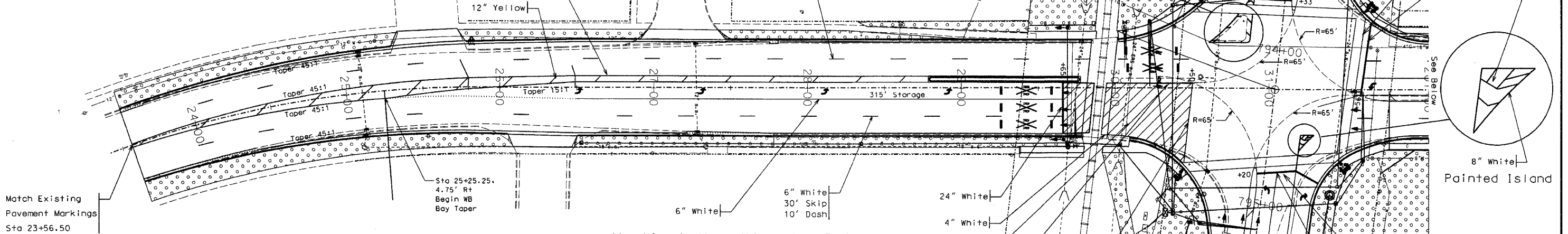


FIG. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385	96-00306-00-SP	McLean	30	27



PLAN SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5385	96-00306-00-SP	McLean	30	29
STA.		TO STA.		
FED. ROAD DIST. NO.		ALONG	FED. RD PROJECT	

Erosion Control Legend and Quantities			
Symbol	Description	Quantity	Unit
	Seeding	2.7	Acres
	Inlet and Pipe Protection	4	Each
	Temporary Ditch Check	5	Each
	Perimeter Erosion Barrier	250	Feet
N/A	Temporary Seeding	1.0	Acres



Erosion Control Notes

Description of Stabilization practices during construction.

- During construction, areas outside of the construction limits shall be protected. The contractor shall not use these areas for staging (except as described by the engineer), parking of vehicles or storage of construction equipment, materials, or other construction related activities.
- Within the construction limits, areas that may be susceptible to erosion as determined by the engineer shall remain undisturbed until full-scale construction is underway to prevent unnecessary soil erosion.
- Earth stockpiles shall be temporarily seeded if they are to remain unused for more than fourteen days.
- As construction proceeds, the contractor shall institute the following as directed by the engineer:
 - Place temporary erosion control facilities at locations shown on the plans.
 - Temporarily seed erodible bare earth on a weekly basis to minimize the amount of erodible surface area within the project limits.
 - Construct roadside ditches and provide temporary erosion control systems.
 - Temporarily divert water around proposed culvert locations.
 - Build necessary embankment at culvert locations and then excavate and place the culverts.
 - Continue building up the embankment to the proposed grade while at the same time placing permanent erosion control such as riprap ditch lining and final shaping of the slopes.
- Excavated areas and embankment shall be permanently seeded immediately after final grading. If not, they shall be temporarily seeded if no construction activity in the area is planned for 7 days.
- Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or other pollutant in accordance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.
- The resident engineer shall inspect the project daily during construction activities. Inspection shall also be done weekly and after rain of 1/2 inch or greater or equivalent snowfall and during the winter shutdown period the project shall additionally be inspected by the construction field engineer on a bi-weekly basis to determine that erosion control efforts are in place and effective and if any other erosion control work is necessary.
- Sediment collected during construction of the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer. The cost of this maintenance shall be included in the unit bid price for the specific erosion control device.

- The temporary erosion control systems shall be removed as directed by the engineer after use is no longer needed or no longer functioning. The cost of this removal shall be included in the unit bid price for various temporary erosion control pay items.

Description of Structural Practices after final grading

- Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas seeded and established.
- Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up, and disturbed turf re-seeded.
- Contractor is required to obtain at least 70% growth on seeding areas prior to acceptance by the owner.

Maintenance after Construction

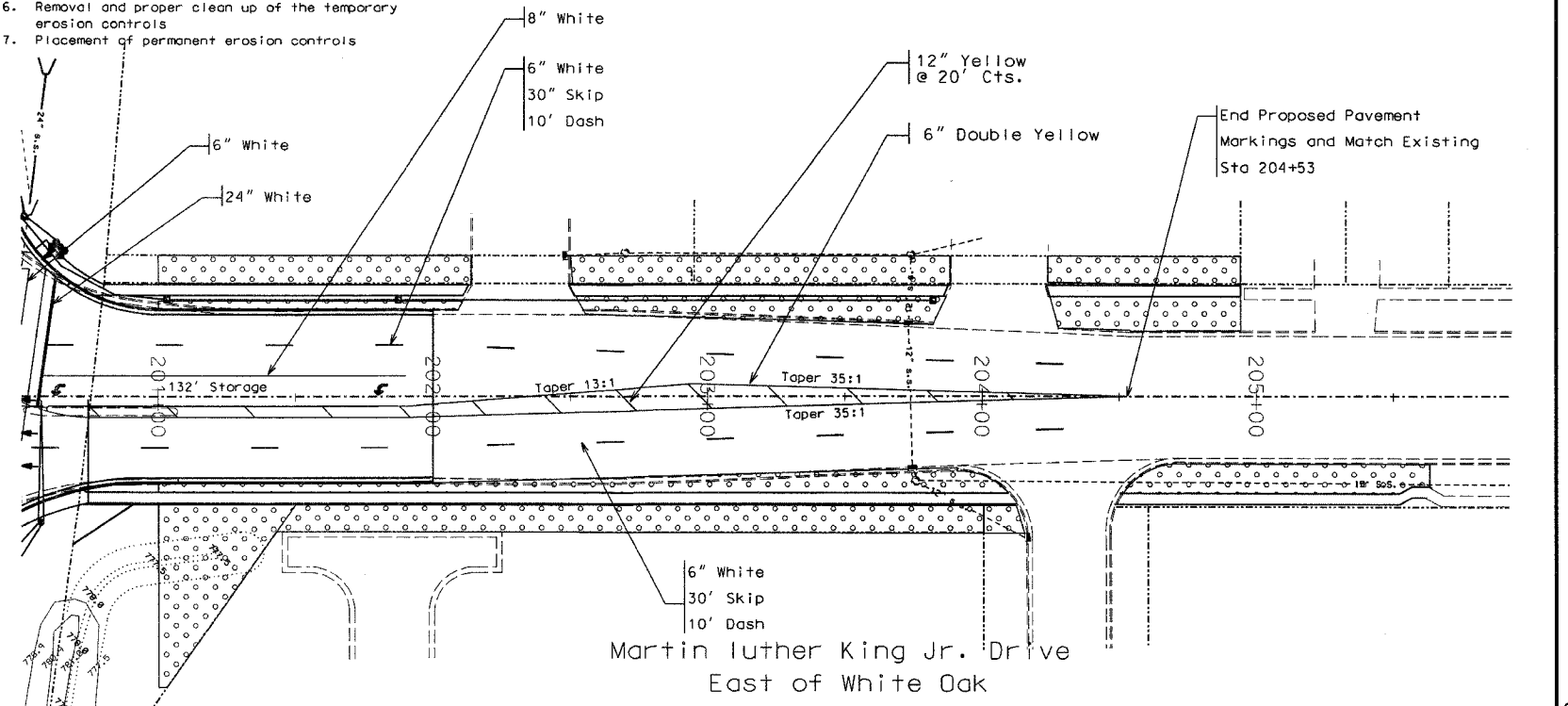
- Construction is complete after final acceptance by the owner and completion of all items on the punch list.
- Maintenance up to this date will be the responsibility of the contractor.

Miscellaneous:

- Temporary Ditch Checks shall be placed at every 1.5 foot rise or fall in the ditch line.
- Temporary erosion control seeding shall be applied at a rate of 100 lbs. per acre.
- Straw bales, hay bales, perimeter erosion barrier and silt fences will not be permitted for temporary or permanent ditch checks. Ditch checks shall be composed of aggregate, silt panels, rolled excelsior urethane foam/geotextile (silt wedges) and/or any other material approved by the engineer.
- All erosion control products furnished shall be specifically recommended by the manufacturer for the use specified in the erosion control plan. Prior to the approval and use of the product, the contractor shall submit to the engineer a notarized certification by the producer stating the intended use of the product and that the physical properties required for this application are met or exceeded. The contractor shall provide manufacture installation procedures to facilitate the engineer in construction inspection.
- All items shall be constructed as shown in standard 280001 and as directed by the engineer. Maintenance and cleaning of the erosion control items shall be included in the respective erosion control pay item.

Intended Sequence For Erosion Control

- Placement of perimeter erosion control barrier prior to the commencement of any work see Std. 280001.
- Placement of temporary erosion control structures
- Removal of existing pavement and drainage structures to facilitate construction
- Construction of storm sewers, roadway paving and shoulders.
- Final grading and shaping including placement of the aggregate surfaces.
- Removal and proper clean up of the temporary erosion controls
- Placement of permanent erosion controls

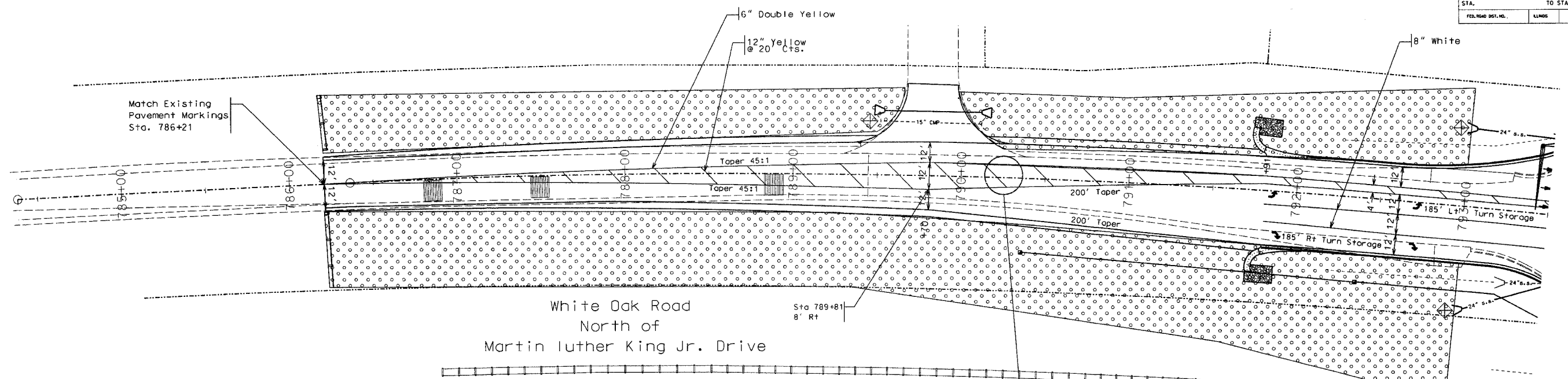


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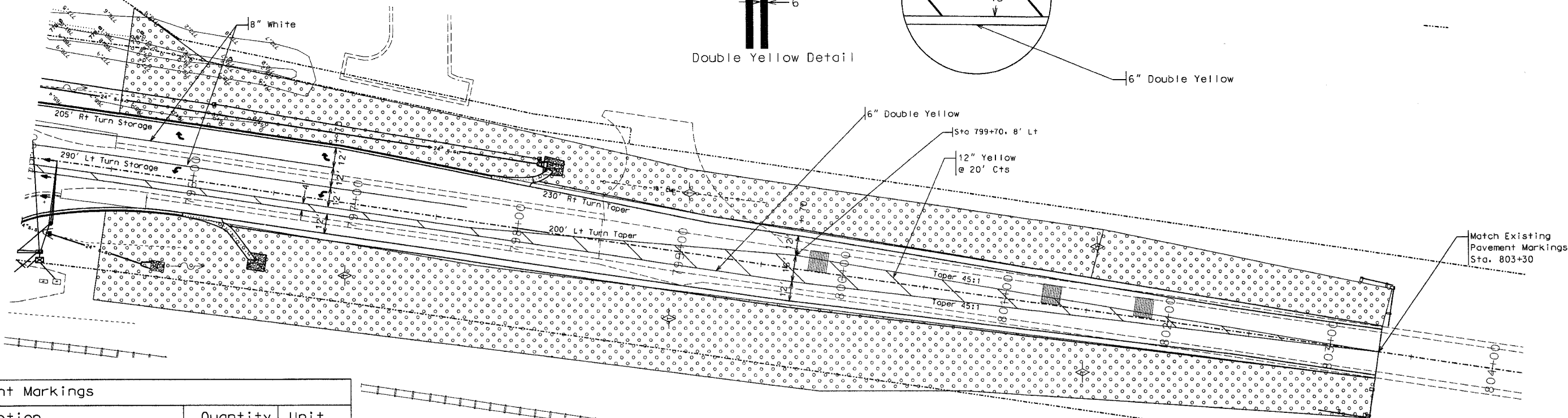
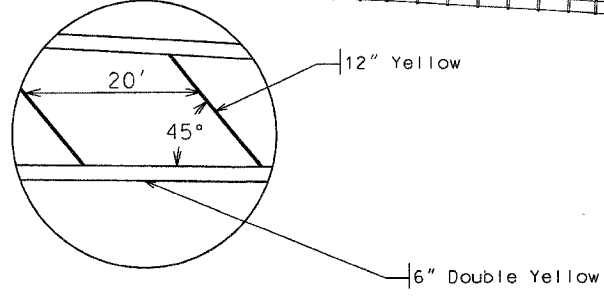
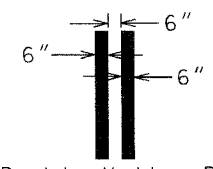
305 North Main Street, 222 East Center Street, 155 South Elm Street
Bloomington, Illinois 61701, LeRoy, Illinois 61754, El Paso, Illinois 61733
Ph. (309) 825-2552 Ph. (309) 962-8151 Ph. (309) 527-2552

MLK and White Oak Road
Intersection Improvements
Pavement Marking & Erosion Control
Details

FBI DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385	96-00306-00-SP	McLean	30	30
STA.		TO STA.		
FED. ROAD DIST. NO.		CLASS.	FED. RD PROJECT	



Typical All Approaches



Pavement Markings		
Description	Quantity	Unit
4" White	275	Foot
6" Yellow	8154	Foot
6" White	1781	Foot
8" White	1682	Foot
12" White	26	Foot
12" Yellow	1263	Foot
24" White	169	Foot
Letters & Symbols	490	Sq Ft

See Page 25 for Erosion Control Legend

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Date: 3-22-06
 Rev: 0
 By: JEB
 Check: EFD
 Drawn: EFD
 App: LDY

MLK and White Oak Road Intersection Improvements
 Pavement Marking & Erosion Control Details

Sheet 30 of 30

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