

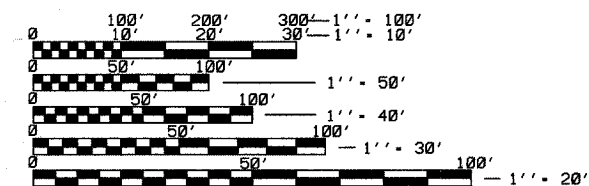
1. Cover Sheet
2. Summary of Quantities
- 3-4. Typical Cross Sections (Paving)
- 5-9. Milling Detail sheet (Paving)
10. Detail Sheet (Paving)
11. Schedule of Quantities (Intersection Widening)
12. Proposed Typical Sections (Intersection Widening)
13. Existing Typical Sections (Intersection Widening)
14. Survey Control Ties & Benchmarks (Int. Widening)
- 15-18. Plan & Profile Sheets (Intersection Widening)
19. Intersection Detail (College Ave. & Whiteoak Rd)
- 20-21. Pavement Marking Plans (Intersection Widening)
- 22-23. Erosion Control Plans (Intersection Widening)
24. Mastarm Loading Details (Intersection Widening)
25. Signal Plan (Intersection Widening)
- 26-27. Cable Plans (Intersection Widening)
28. Miscellaneous Details & Legend (Intersection Widening)
- 29-34. Cross Sections (Intersection Widening)

STATE STANDARD DETAILS

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-02 TEMPORARY EROSION CONTROL SYSTEM
- 285001-01 FABRIC FORMED CONCRETE REVETMENT MAT
- 406201 MAILBOX TURNOUT
- 442201-01 CLASS C AND D PATCHES
- 542301 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 602401 MANHOLE TYPE A
- 602601 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 602701 CAST IRON STEPS
- 606001-02 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606006 OUTLET FOR CONC. CURB AND GUTTER TYPE 15.60 (B-6.24)
- 606401 PAVED DITCH
- 701001-01 OFF-RD OPERATIONS 2L, 2W, MORE THAN 4.5m (15') AWAY
- 701006-02 OFF-RD OPERATIONS 2L, 2W, 4.5m (15') TO 600mm (24') FROM PAVEMENT EDGE
- 701011-01 OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701021-02 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
- 701301-02 LANE CLOSURE, 2L, 2W, SHORT TERM OPERATIONS
- 701306-01 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
- 701326-02 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
- 701336-04 LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES FOR SPEEDS > 45 MPH
- 702001-05 TRAFFIC CONTROL DEVICES
- 720001 SIGN PANEL MOUNT DETAILS
- 720016-01 MAST ARM MOUNTED STREET NAME SIGNS
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 781001-02 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 814001 CONCRETE HANDHOLES
- 857001 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- 877001-02 STEEL MAST ARM ASSEMBLY AND POLE
- 878001-03 CONCRETE FOUNDATION DETAILS
- 880006 TRAFFIC SIGNAL MOUNTING DETAILS
- 886001 DETECTOR LOOP INSTALLATIONS
- 886006 TYPICAL LAYOUT FOR DETECTION LOOPS
- B.L.R. 21-6 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- B.L.R. 22-4 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY RURAL TRAFFIC ROAD CLOSED TO THRU TRAFFIC)

STRUCTURAL DESIGN DATA: SEE PAGES 3-4 FOR PAVEMENT DESIGN

WHITE OAK ROAD - MINOR ARTERIAL
 COLLEGE AVENUE - MINOR ARTERIAL
 POSTED SPEED = 55 MPH
 DESIGN SPEED = 50 MPH
 COLLEGE AVENUE ADT (2005) 5,300 (2025) 7,100
 WHITE OAK ROAD ADT (2005) 6,000 (2025) 8,010
 STRUCTURAL DESIGN TRAFFIC YEAR: 2015
 PC: 5,890 SU: 186 MU: 124
 CLASS OF STREET: II (MINOR ARTERIAL)
 IFR = 3.0(MIN)
 TRAFFIC FACTOR: 0.69
 PAVEMENT STRUCTURAL MATERIALS: SEE PROPOSED TYPICAL SECTIONS



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

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

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PLANS FOR PROPOSED

McLEAN COUNTY FEDERAL AID URBAN (STU)

WHITE OAK RD (CH 70)

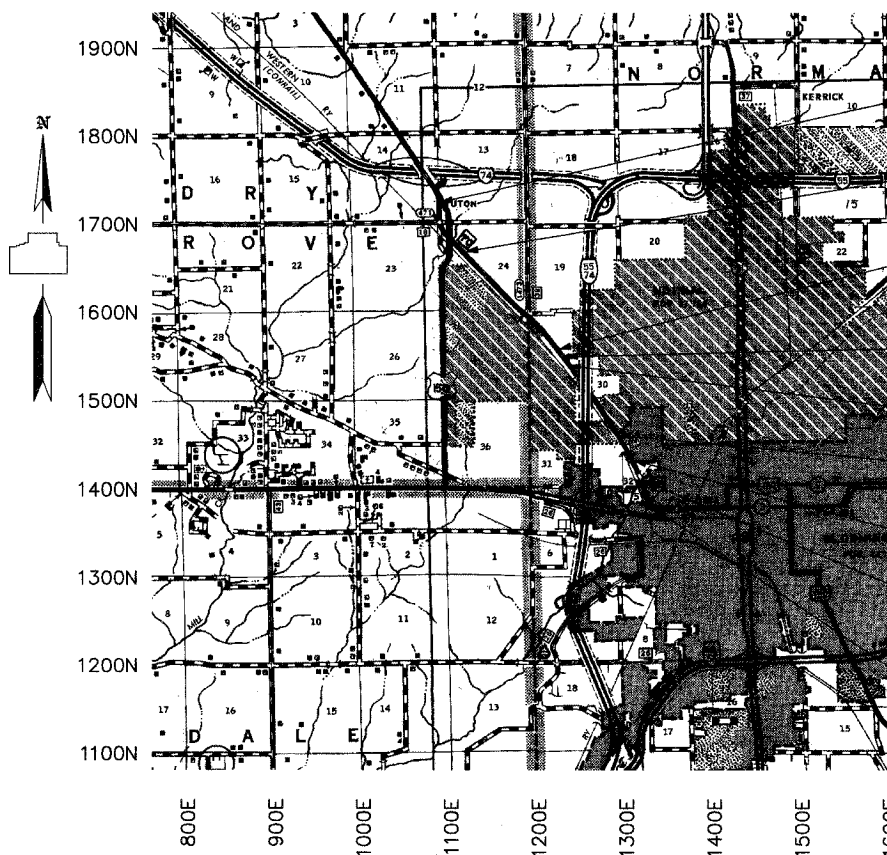
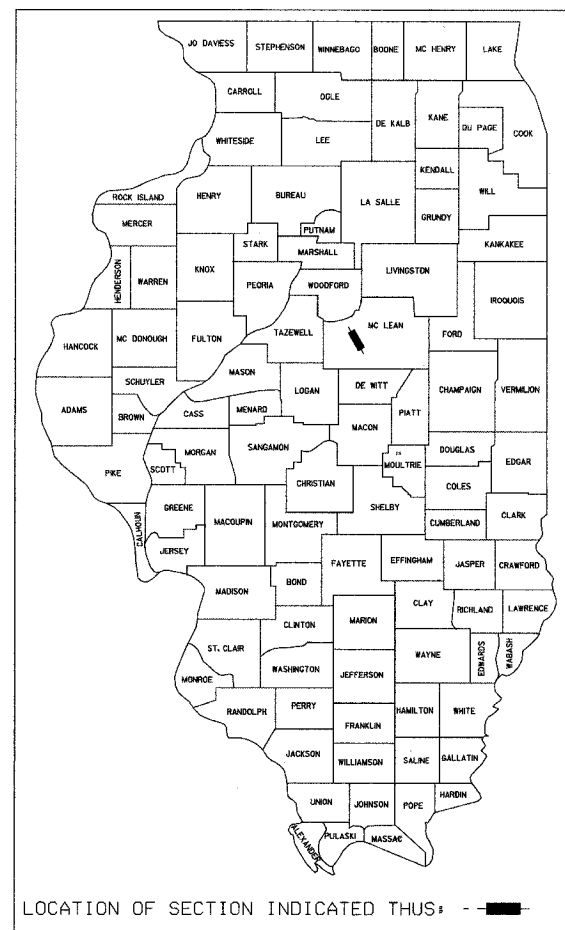
F.A.U. 6385 SEC. 03-00182-00-RS

PROJECT NO. M-5227(45)

JOB NO. C-93-087-04

FED. DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385	*	McLEAN	34	1

* 03-00182-00-RS
 CONTRACT NO. 87275



- BEGINNING STA: 603+44
- STATION EQUATION
 STA: 630+88.88 = 632+34.46 -145.58'
- STATION EQUATION
 STA: 718+90.5 = 719+06.7 -16.2'
- STATION EQUATION: STA:
 90+16.41 AHEAD=716+77.02 BACK
- STATION EQUATION:
 STA: 109+18.48 BACK=736+12.24 AHEAD
- RAILROAD TRACK OMISSION 6'
 STA: 769+27 TO STA: 769+33
- MARTIN LUTHER KING DRIVE OMISSION
 STA: 792+09 TO STA: 794+27 -218'
- BRIDGE OMISSION 135'
 STA: 818+50 TO STA: 819+85
- ENDING STA: 835+43

APPROXIMATE SCALE: 0 1 MILE

- NOTE: THE TOTAL LENGTH OF THE PROPOSED PROJECT IS 23,199 FEET WITH A NET LENGTH OF 22,678.22 FEET (4.295 MILES).
- NOTE: THESE PLANS MEET THE MINIMUM REQUIREMENTS FOR A 3-R ARTERIAL POLICY.
- NOTE: THESE PLANS FOR THIS SECTION ARE THOSE AS APPROVED IN SECTION (9,10&11) RS.



Eric Schmidt
 ILLINOIS PROFESSIONAL ENGINEER #55820
 EXPIRES 11-30-07

ROADWAY CLASSIFICATION: MINOR ARTERIAL
 DESIGN SPEED: 45 & 55 MPH
 CURRENT ADT: 6000 (2004)
 DESIGN ADT: 8010 (2025)

APPROVED	<i>December 23</i>	20
	<i>Michael C. Hall</i>	05
TOWN OF NORMAL DIRECTOR OF PUBLIC WORKS		
APPROVED	<i>December 27</i>	20
	<i>Engel M. Hansen</i>	05
CITY OF BLOOMINGTON CITY ENGINEER		
APPROVED	<i>12-23</i>	20
	<i>John Miller</i>	05
COUNTY ENGINEER		
APPROVED	<i>1-03</i>	20
	<i>Kenneth L. Day</i>	06
DISTRICT OF LOCAL ROADS AND STREETS		
APPROVED	<i>1-03</i>	20
	<i>Gregory Monte</i>	06
DEPUTY DIRECTOR OF HIGHWAYS REGION 2 ENGINEER		
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		

* 03-00182-00-RS
CONTRACT NO. 87275

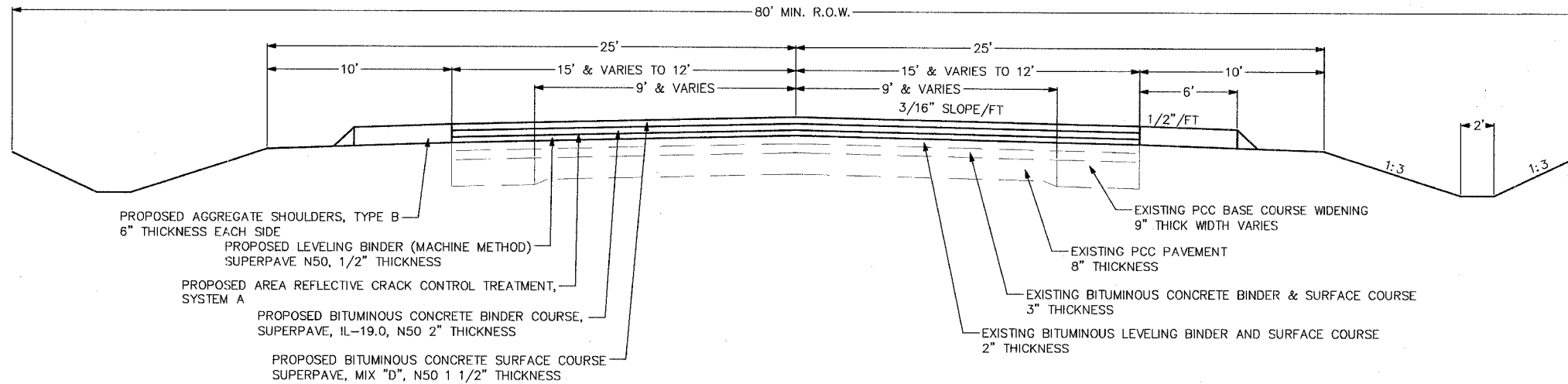
SUMMARY OF QUANTITIES

ITEM NUMBER	ITEM	UNIT	CONST. TYPE CODE I-000 QUANTITY
* 20200100	EARTH EXCAVATION	CU YD	3088
* 20201500	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	2530
* 20400800	FURNISHED EXCAVATION	CU YD	127
* 20800150	TRENCH BACKFILL	CU YD	22
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	450
* 21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1138
* 21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	500
# 25000100	SEEDING, CLASS 1	ACRE	2.15
# 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	195
# 25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	195
# 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	195
*# 25100115	MULCH, METHOD 2	ACRE	4.3
# 25100630	EROSION CONTROL BLANKET	SQ YD	530
28000255	TEMPORARY EROSION CONTROL SEEDING	ACRE	2.15
* 28000300	TEMPORARY DITCH CHECKS	EACH	14
* 28000400	PERIMETER EROSION BARRIER	FOOT	1425
28000500	INLET AND PIPE PROTECTION	EACH	13
28500100	FABRIC FORMED CONCRETE REVETMENT MATS	SQ YD	360
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	319
35300400	PORTLAND CEMENT CONCRETE BASE COURSE 9"	SQ YD	360
40600300	AGGREGATE (PRIME COAT)	TON	320
* 40600980	BITUMINOUS SURFACE REMOVAL--BUTT JOINT	SQ YD	1838
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL--BUTT JOINT	SQ YD	187
40600990	TEMPORARY RAMP	SQ YD	388
40800040	INCIDENTAL BITUMINOUS SURFACING	TON	1200
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	2160
* 44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	971
44003100	MEDIAN REMOVAL	SQ FT	255
44004000	PAVED DITCH REMOVAL	FOOT	296
44201341	CLASS C PATCHES, TYPE II, 9 INCH	SQ YD	13
44201345	CLASS C PATCHES, TYPE III, 9 INCH	SQ YD	45
*# 44300300	AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A	SQ YD	65331
48101200	AGGREGATE SHOULDERS, TYPE B	TON	7050
48202000	BITUMINOUS SHOULDERS SUPERPAVE	TON	50
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1
* 550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	34
* 55101200	STORM SEWER REMOVAL 24"	FOOT	40
60500090	REMOVING INLETS TO MAINTAIN FLOW	EACH	2
* 60600095	CLASS SI CONCRETE (OUTLET)	CU YD	4
* 60604400	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18	FOOT	891
60616110	PAVED DITCH, TYPE A-30	FOOT	297
67100100	MOBILIZATION	L SUM	1
* 70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	4750
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	550
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1900
72000100	SIGN PANEL - TYPE 1	SQ FT	40
72000200	SIGN PANEL - TYPE 2	SQ FT	37.5
# 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	217.2
# 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9665
# 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1060
# 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1450
# 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	100
# 78000610	THERMOPLASTIC PAVEMENT MARKING - LINE 16"	FOOT	45
# 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	200
# 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	312
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	32
*# 81012400	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	1135
*# 81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	140
*# 81400115	HANDHOLE TO BE ADJUSTED	EACH	5
# 81400400	CONCRETE HANDHOLE	EACH	4
*# 81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1275
# 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1500
# 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4715
*# 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
*# 87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
*# 87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	3
# 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	14
*# 88500100	INDUCTIVE LOOP DETECTOR	EACH	19
# 88600100	DETECTOR LOOP, TYPE I	FOOT	1800
*# 89502200	MODIFY EXISTING CONTROLLER	EACH	1
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
X0300624	RAILROAD PROTECTIVE LIABILITY INSURANCE, (SPECIAL)	EACH	1
* X0322533	REMOVE EXISTING MAST ARM ASSEMBLY AND POLE	EACH	3
X3550500	BITUMINOUS BASE COURSE, SUPERPAVE 8"	SQ YD	1842
* X4066424	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50	TON	6165
X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, 1L-19.0, N50	TON	7115
X4066765	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50	TON	2505
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	545

ITEM NUMBER	ITEM	UNIT	CONST. TYPE CODE I-000 QUANTITY
# X8801300	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
# X8801310	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
# X8801650	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 4-SECTION, with one DUAL-Indication Section, bracket mounted	EACH	4
# X8801600	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 4-SECTION with one DUAL-INDICATION SECTION, Bracket mounted	EACH	4
* X8950300	REMOVE EXISTING SIGNAL HEAD AND POST	EACH	2
* X8950305	REMOVE EXISTING SIGNAL HEAD	EACH	12
* XX000802	COMBINATION CONCRETE CURB AND GUTTER OUTLET, SPECIAL	EACH	3
* 40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	9325
* XX006473	STORM SEWER, DUCTILE IRON PIPE, CLASS 50 24"	FOOT	20
*# XX006474	ELECTRICAL CABLE IN CONDUIT, SIGNAL, NO. 14 5C (SPECIAL)	FOOT	1435
X006475	MANHOLE TY. A, 4' DIA., W/SALV. TY. 50 F&G, CVER EXISTING STORM SEWER	EACH	2

* SEE SPECIAL PROVISIONS
SPECIALTY ITEM

TYPICAL CROSS SECTION #1
STA: 603+44 TO STA: 607+43 (30' PAVEMENT)
STA: 607+43 TO STA: 608+78 (TAPERS TO 24' PAVEMENT)



STRUCTURAL DESIGN DATA 73,280#

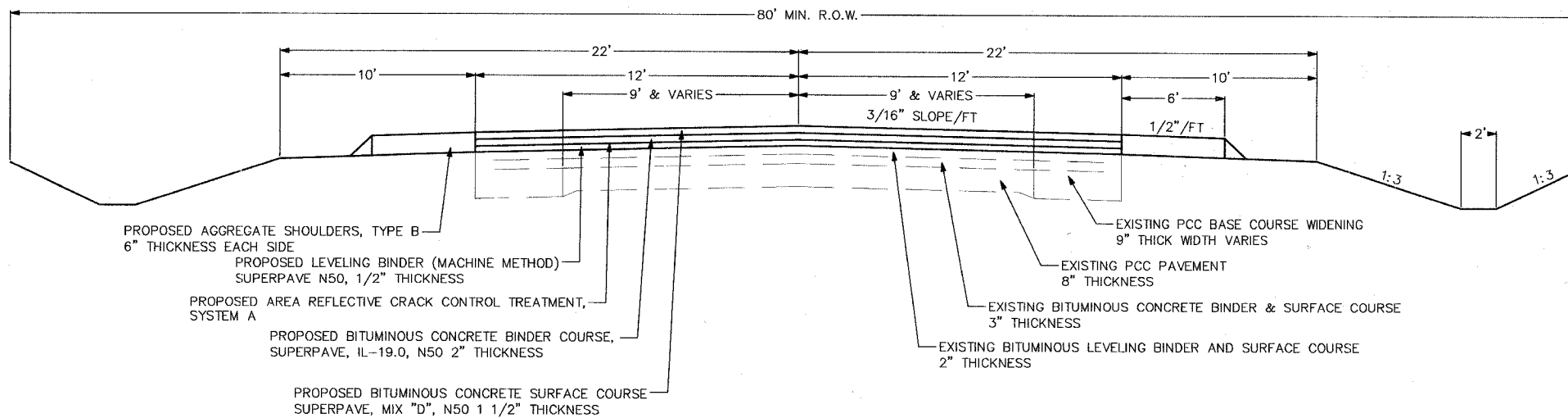
CLASS II ROAD	DESIGN PERIOD 20 YEARS
STRUCTURAL DESIGN TRAFFIC: 8010	YEAR: 2015
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:	
P.C. 88%	S.U. 7% M.U. 5%
P.C. 7049	S.U. 561 M.U. 401
MINIMUM SOIL SUPPORT: IBR= 3.0	
TRAFFIC FACTOR (T.F.)= 1.76	
STRUCTURAL NUMBER (Dt): 3.2	
PAVEMENT STRUCTURE MATERIALS:	
SURFACE: PROPOSED BITUMINOUS SURFACE COURSE	4" @ 0.40 a1= 1.60
BASE: EXISTING BITUMINOUS CONCRETE	5" @ 0.30 a2= 1.50
SUBBASE: EXISTING CONCRETE BASE COURSE	8" @ 0.10 a3= 0.80

PROPOSED (Dt) TOTAL= 3.90

TYPICAL CROSS SECTION #2

STA: 608+78 TO STA: 627+33
STA: 629+02 TO STA: 630+88.88
STA: 632+34.46 TO STA: 716+77.02*
STA: *736+12.24 TO STA: 752+22
STA: 754+60 TO STA: 769+27
STA: 769+33 TO STA: 792+09
STA: 794+27 TO STA: 818+50
STA: 819+85 TO STA: 835+43

* STA: 716+77.02 BACK = 90+16.41 AHEAD (INTERSECTION WORK AT COLLEGE AVE.)
STA: 736+12.24 AHEAD = 109+51.63 BACK (INTERSECTION WORK AT COLLEGE AVE.)
SEE TYPICAL SHEETS NO. 12-13



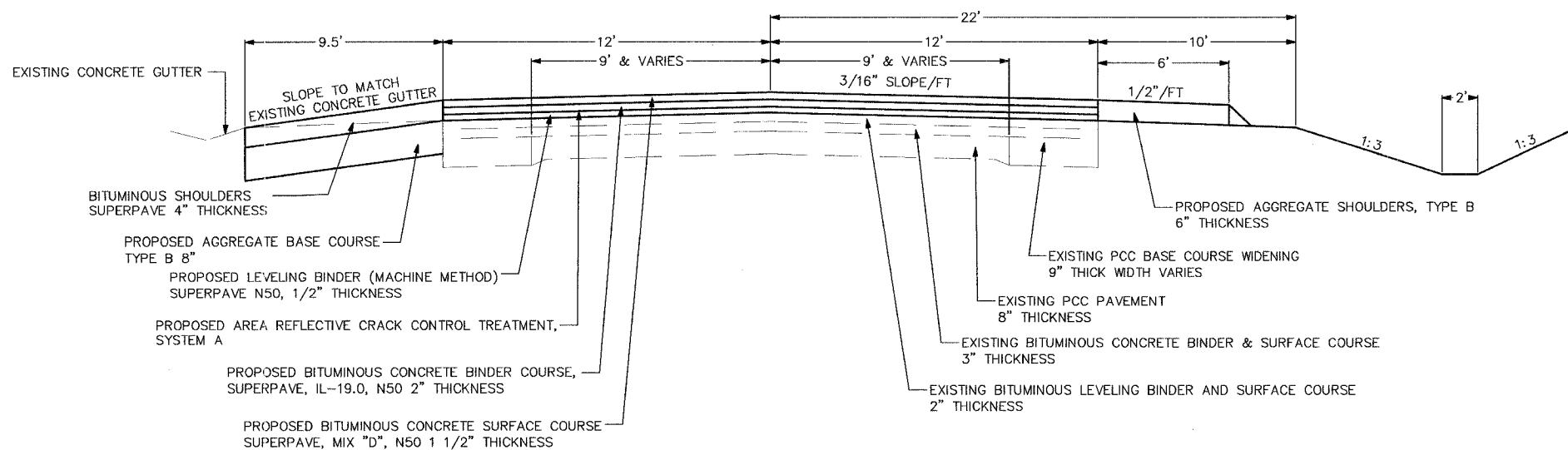
STRUCTURAL DESIGN DATA 73,280#

CLASS II ROAD	DESIGN PERIOD 20 YEARS
STRUCTURAL DESIGN TRAFFIC: 8010	YEAR: 2015
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:	
P.C. 88%	S.U. 7% M.U. 5%
P.C. 7049	S.U. 561 M.U. 401
MINIMUM SOIL SUPPORT: IBR= 3.0	
TRAFFIC FACTOR (T.F.)= 1.76	
STRUCTURAL NUMBER (Dt): 3.2	
PAVEMENT STRUCTURE MATERIALS:	
SURFACE: PROPOSED BITUMINOUS SURFACE COURSE	4" @ 0.40 a1= 1.60
BASE: EXISTING BITUMINOUS CONCRETE	5" @ 0.30 a2= 1.50
SUBBASE: EXISTING CONCRETE BASE COURSE	8" @ 0.10 a3= 0.80

PROPOSED (Dt) TOTAL= 3.90

TYPICAL CROSS SECTION #3

STA: 627+33 TO STA: 629+02
ROUTE 150 OVERPASS



FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385	*	McLEAN	34	4

FED. RD. DIST. #7 ILLINOIS PROJ. # M-5227 (45)

* 03-00182-00-RS
CONTRACT NO. 87275

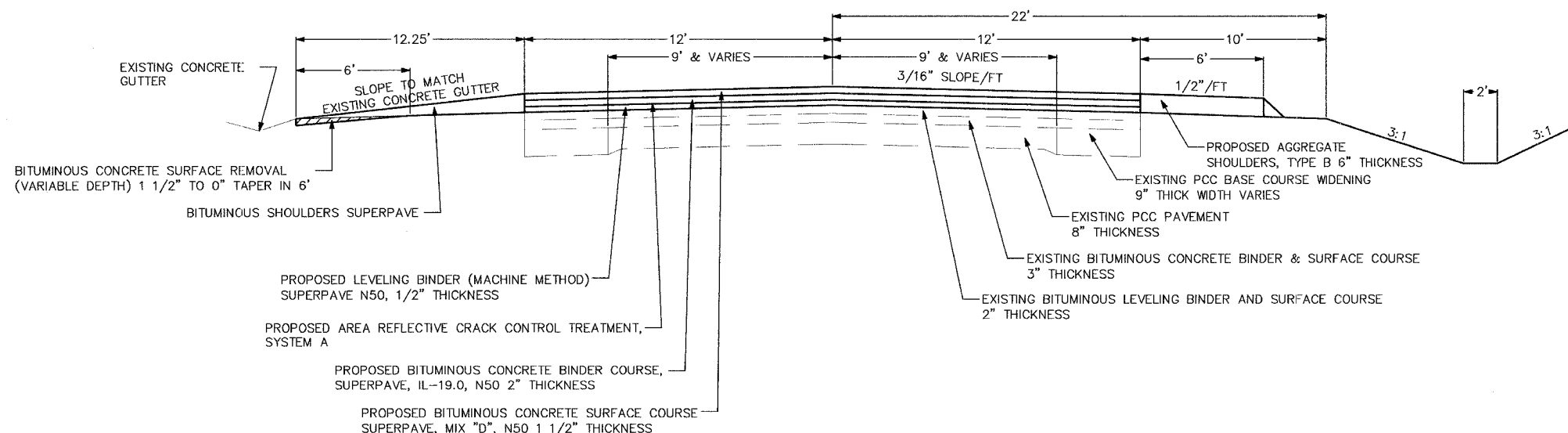
STRUCTURAL DESIGN DATA 73,280#

CLASS II ROAD	DESIGN PERIOD 20 YEARS		
STRUCTURAL DESIGN TRAFFIC: 8010	YEAR: 2015		
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:			
P.C. 88%	S.U. 7%	M.U. 5%	
P.C. 7049	S.U. 561	M.U. 401	
MINIMUM SOIL SUPPORT: IBR= 3.0			
TRAFFIC FACTOR (T.F.)= 1.76			
STRUCTURAL NUMBER (Dt): 3.2			
PAVEMENT STRUCTURE MATERIALS:			
SURFACE: PROPOSED BITUMINOUS SURFACE COURSE	4"	@ 0.40	a1= 1.60
BASE: EXISTING BITUMINOUS CONCRETE	5"	@ 0.30	a2= 1.50
SUBBASE: EXISTING CONCRETE BASE COURSE	8"	@ 0.10	a3= 0.80

PROPOSED (Dt) TOTAL= 3.90

TYPICAL CROSS SECTION #4

STA: 752+22 TO STA: 754+60
INTERSTATE 55 OVERPASS



STRUCTURAL DESIGN DATA 73,280#

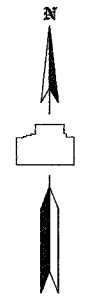
CLASS II ROAD	DESIGN PERIOD 20 YEARS		
STRUCTURAL DESIGN TRAFFIC: 8010	YEAR: 2015		
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:			
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P.C. 7049	S.U. 561	M.U. 401	
MINIMUM SOIL SUPPORT: IBR= 3.0			
TRAFFIC FACTOR (T.F.)= 1.76			
STRUCTURAL NUMBER (Dt): 3.2			
PAVEMENT STRUCTURE MATERIALS:			
SURFACE: PROPOSED BITUMINOUS SURFACE COURSE	4"	@ 0.40	a1= 1.60
BASE: EXISTING BITUMINOUS CONCRETE	5"	@ 0.30	a2= 1.50
SUBBASE: EXISTING CONCRETE BASE COURSE	8"	@ 0.10	a3= 0.80

PROPOSED (Dt) TOTAL= 3.90

FED. ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
6385	*	McLEAN	34	5
FED. RD. DIST. #7 ILLINOIS PROJ. # M-5227 (45)				

SPECIAL SIDE ROAD RETURN DETAIL
WHITEOAK ROAD AND DANVERS-YUTON ROAD

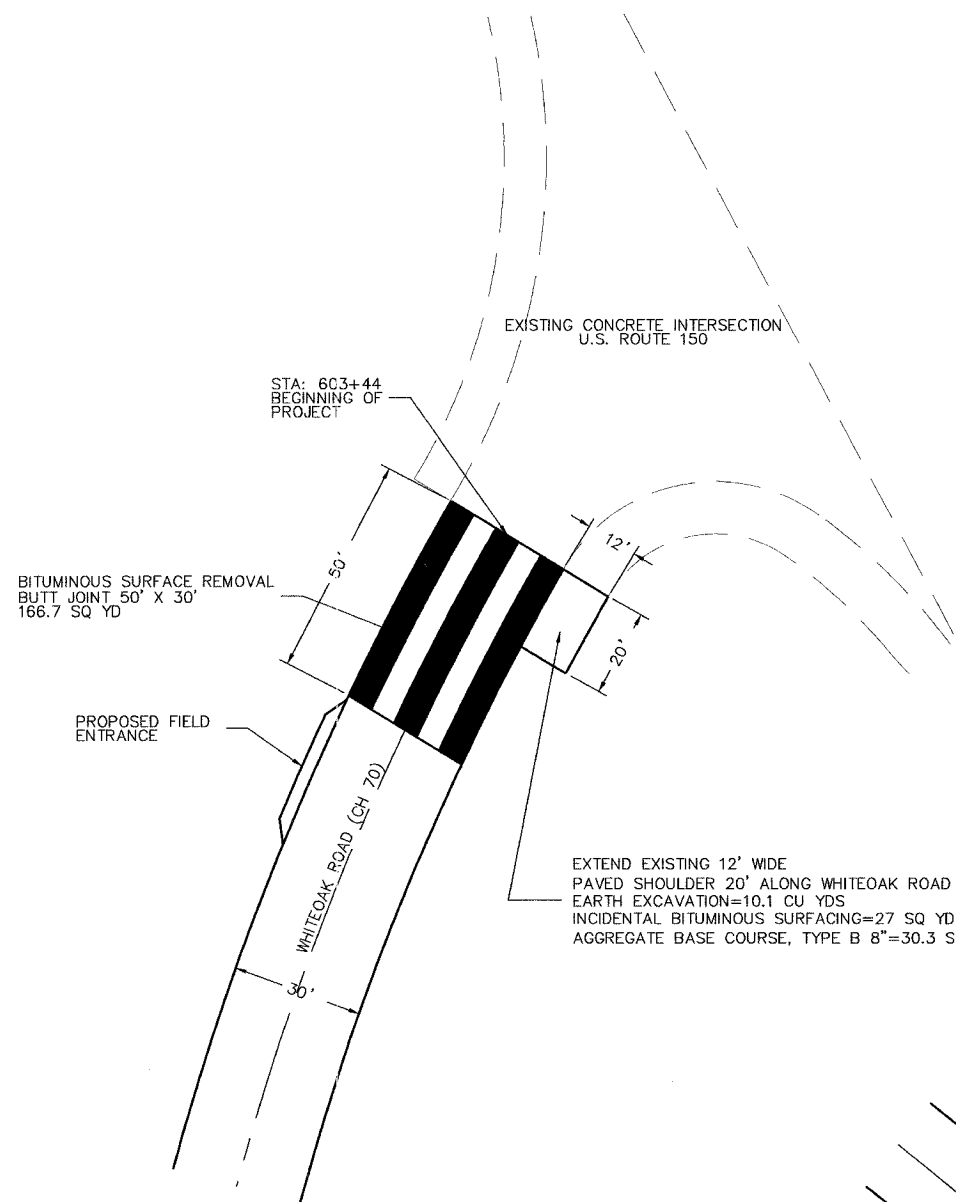
* 03-00182-03-RS
CONTRACT NO. 87275



SCALE: 1" = 20'
ALL DETAILS

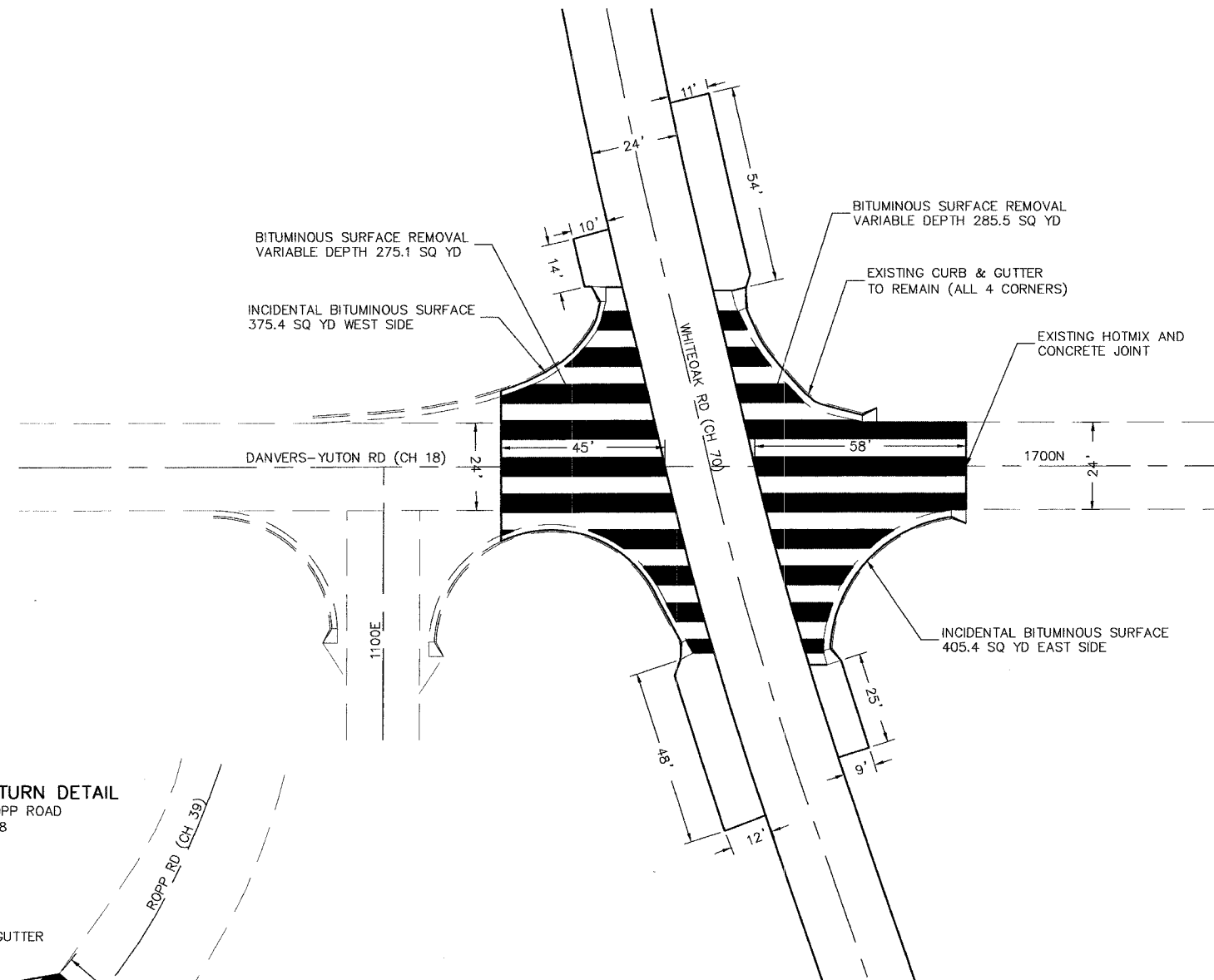
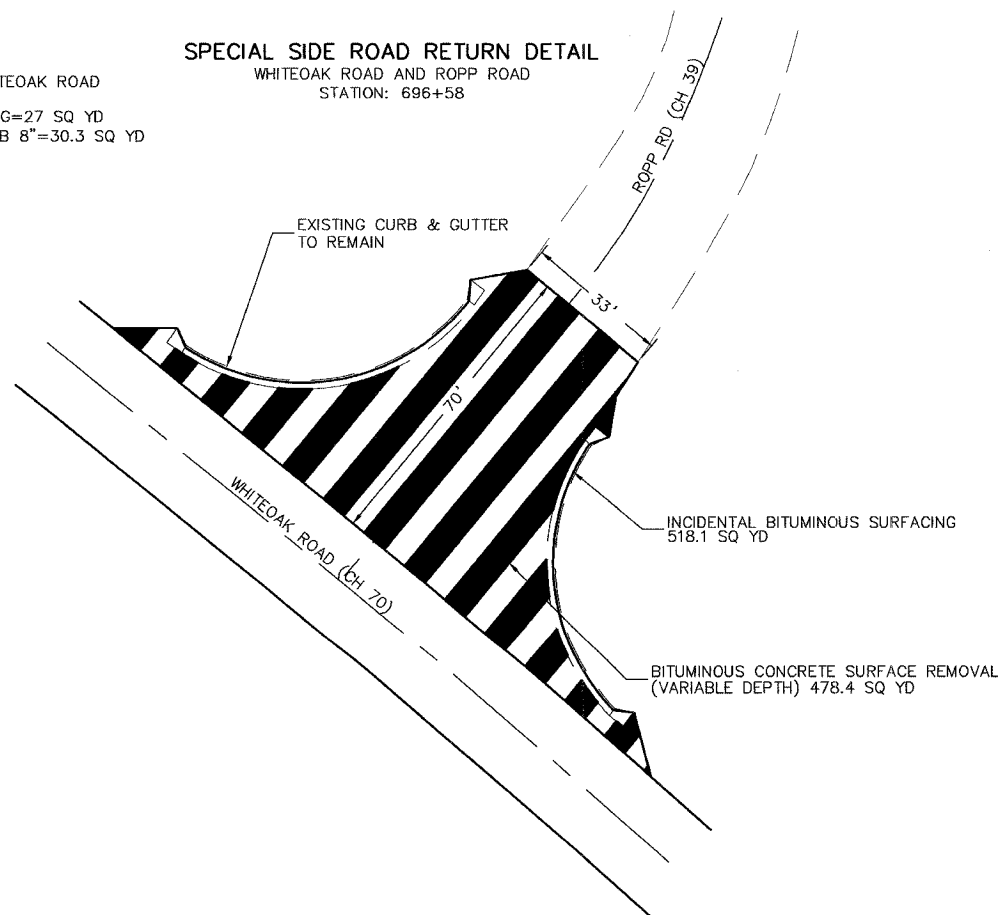
BEGINNING INTERSECTION DETAIL

BEGINNING STA: 603+44



SPECIAL SIDE ROAD RETURN DETAIL

WHITEOAK ROAD AND ROPP ROAD
STATION: 696+58



FED. ROAD DIST. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
6385	*	McLEAN	34	6

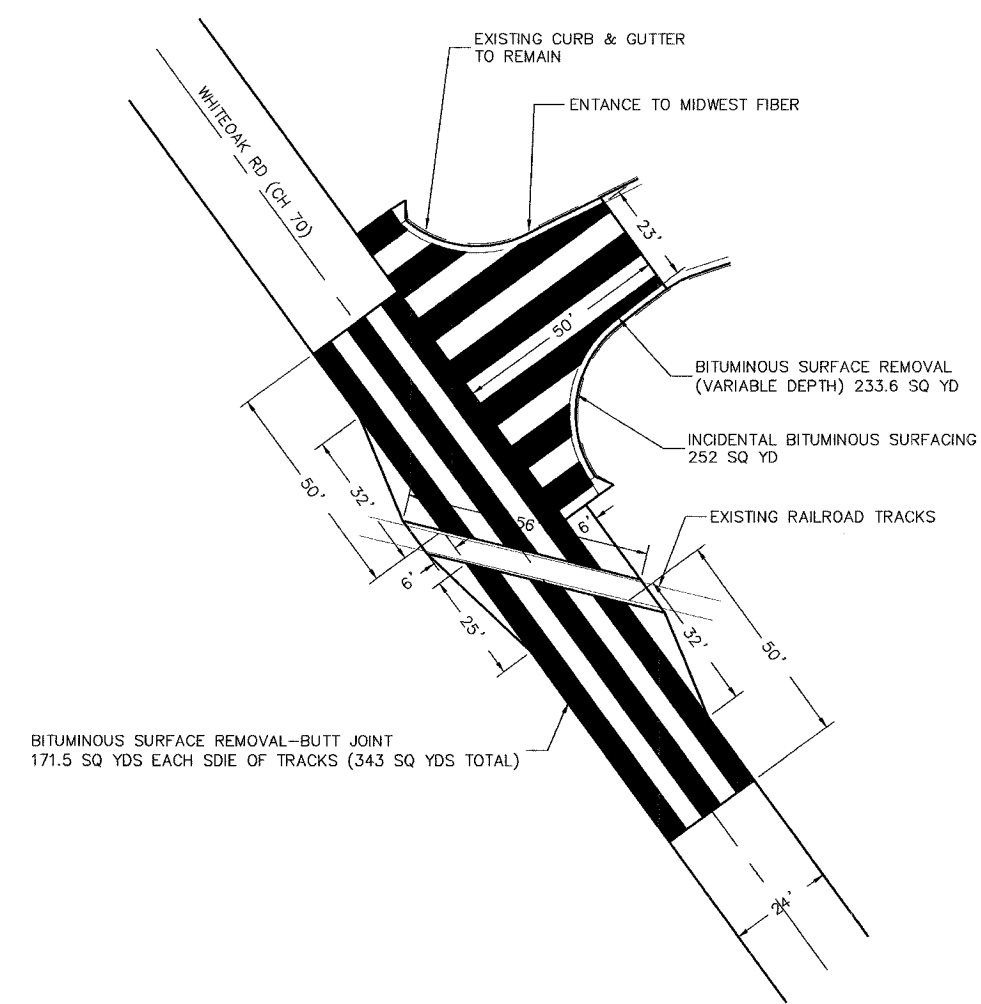
FED. RD. DIST. #7 ILLINOIS PROJ. # M-5227 (45)

* 03-00182-03-RS
CONTRACT NO. 87275



SCALE: 1" = 20'
ALL DETAILS

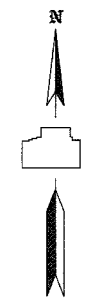
SPECIAL ENTRANCE TO MIDWEST FIBER & RAILROAD BUTT JOINT DETAIL
WHITEOAK ROAD AND ENTRANCE TO MIDWEST FIBER
STATION: 768+85



FED. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
70	*	McLEAN	34	7

FED. RD. DIST. #7 ILLINOIS PROJ. # M-5227 (45)

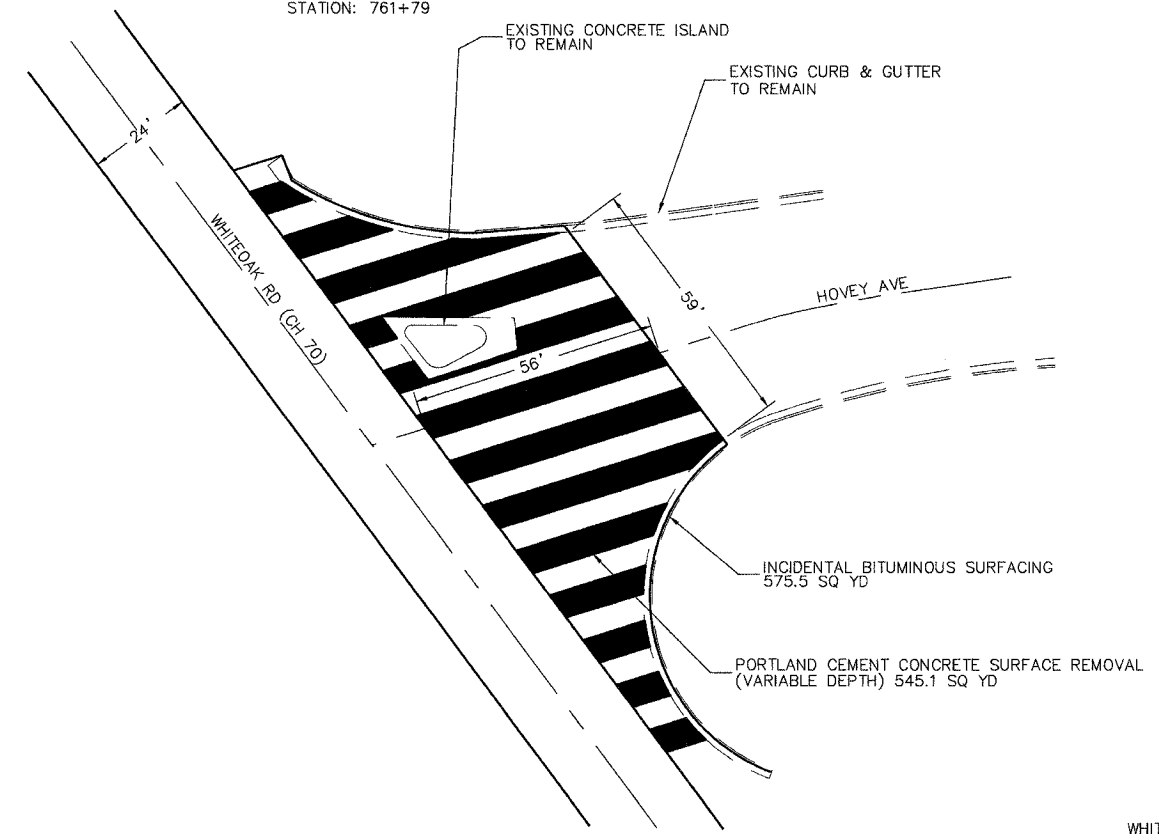
* 03-00182-03-RS
CONTRACT NO. 87275



SCALE: 1" = 20'
ALL DETAILS

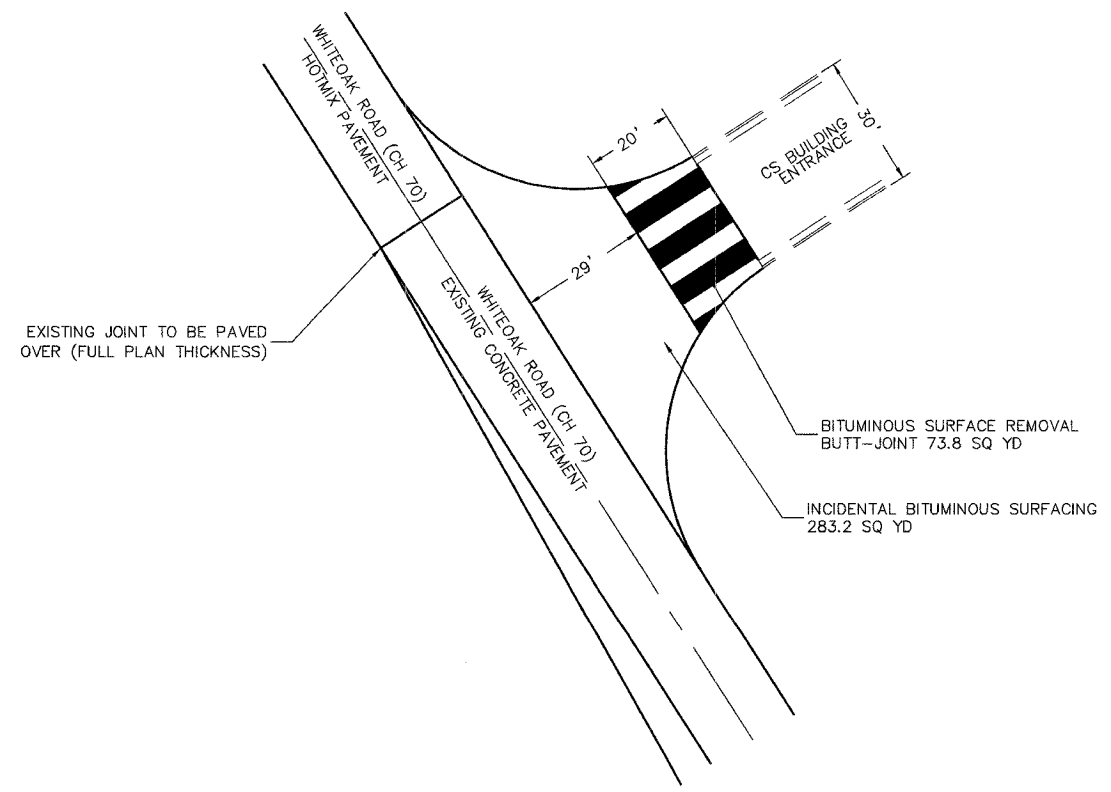
SPECIAL SIDE ROAD RETURN DETAIL

WHITEOAK ROAD AND HOVEY AVE
STATION: 761+79



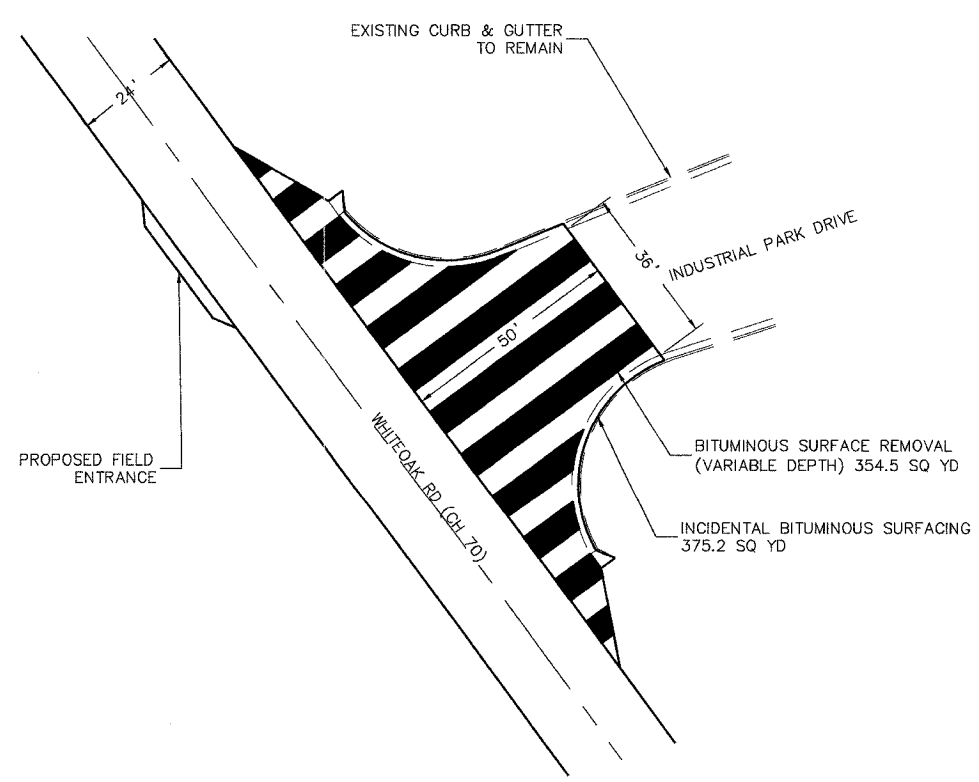
SPECIAL ENTRANCE DETAIL

WHITEOAK ROAD AND CS BUILDING ENTRANCE
STATION: 788+86



SPECIAL ENTRANCE DETAIL

WHITEOAK ROAD AND INDUSTRIAL PARK DRIVE
STATION: 777+73

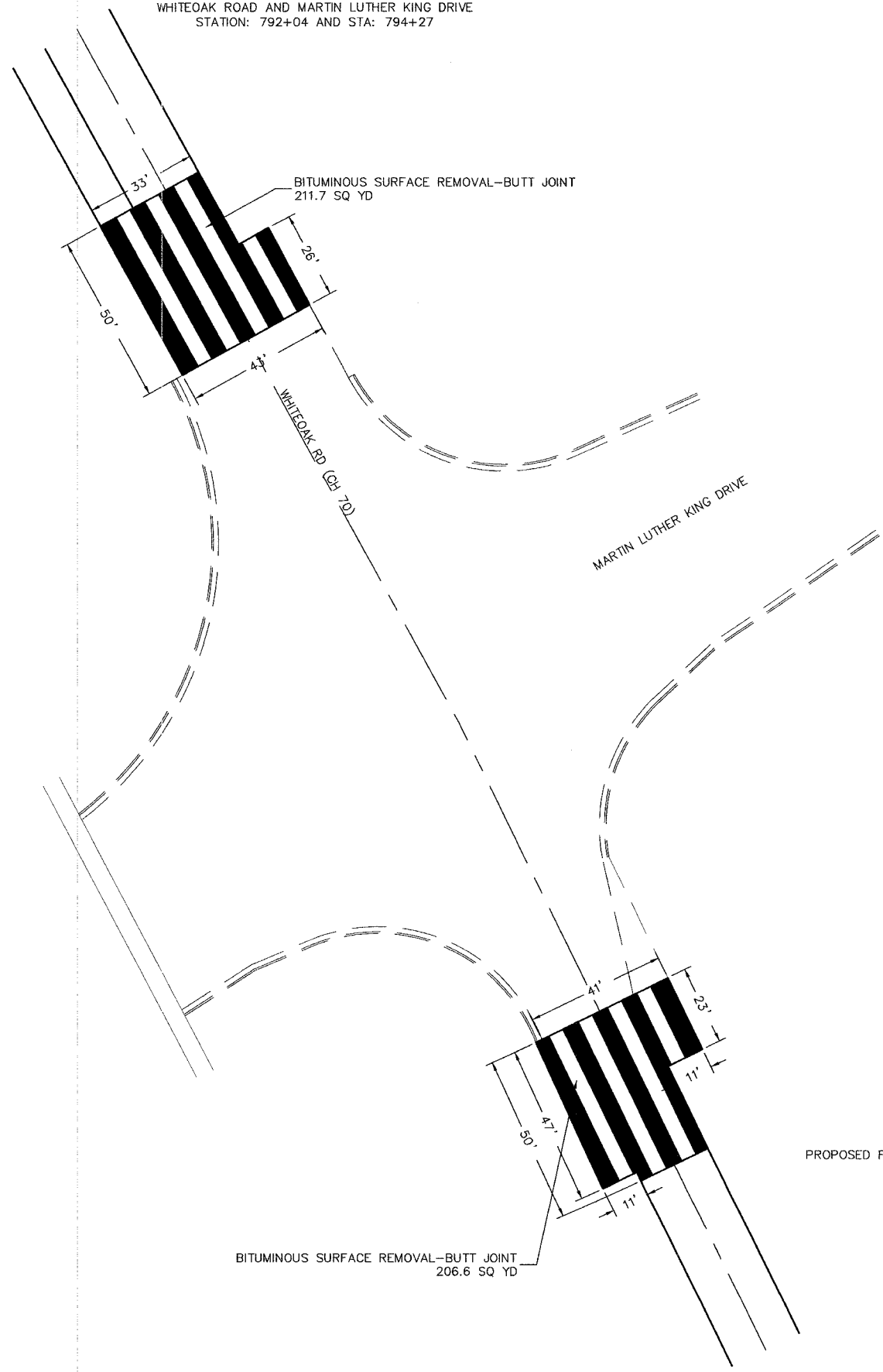


FED. ROAD DIST. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6385	*	McLEAN	34	8

* 03-00182-03-RS
CONTRACT NO. 87275

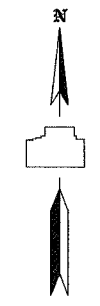
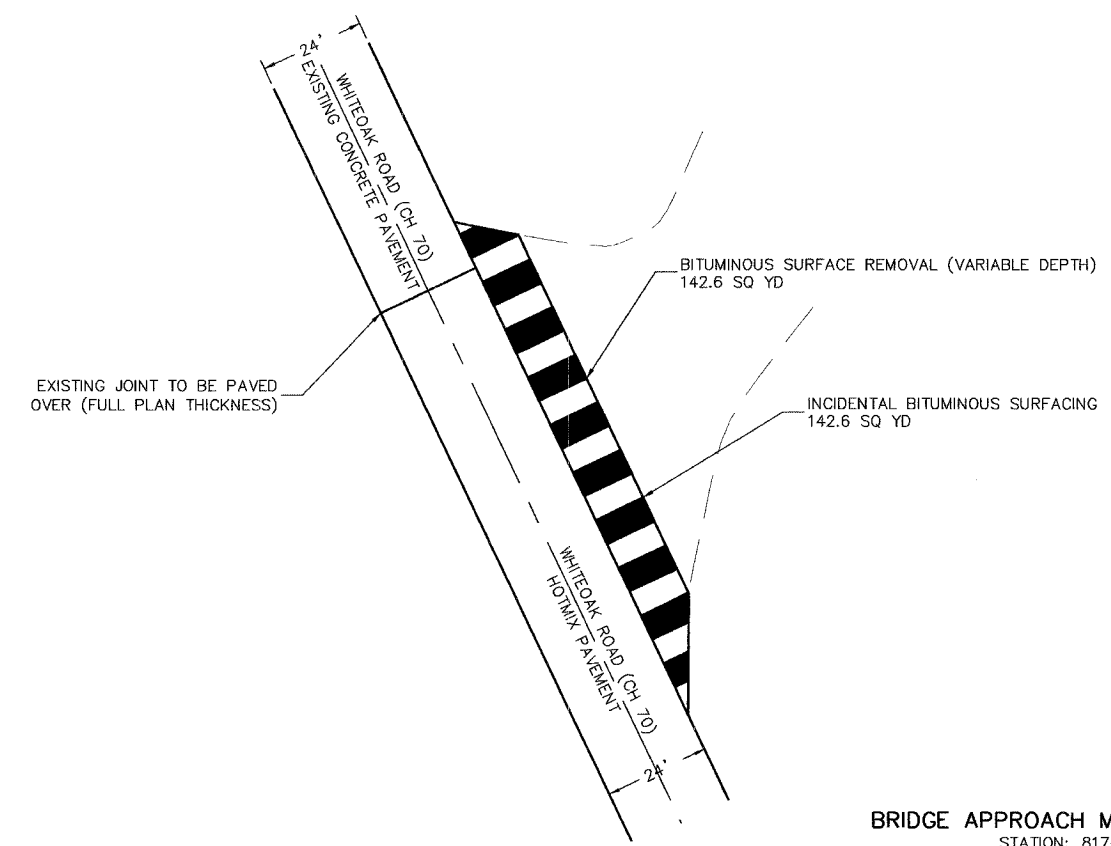
BITUMINOUS SURFACE REMOVAL BUTT-JOINT DETAIL

WHITEOAK ROAD AND MARTIN LUTHER KING DRIVE
STATION: 792+04 AND STA: 794+27



SPECIAL ENTRANCE DETAIL

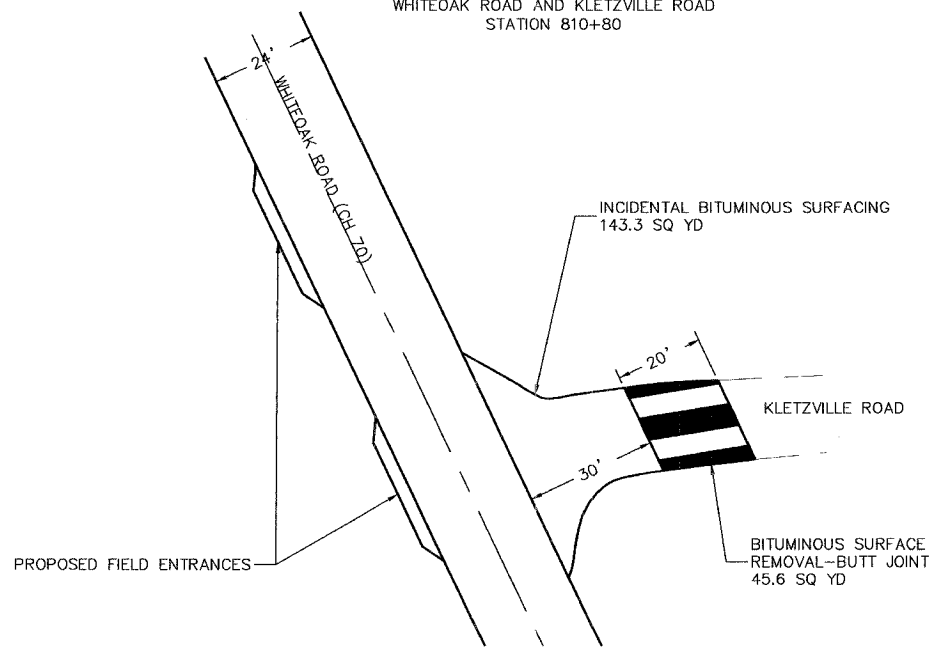
WHITEOAK ROAD AND ABANDONED APARTMENT ENTRANCE
STATION: 797+86



SCALE: 1" = 20'
ALL DETAILS

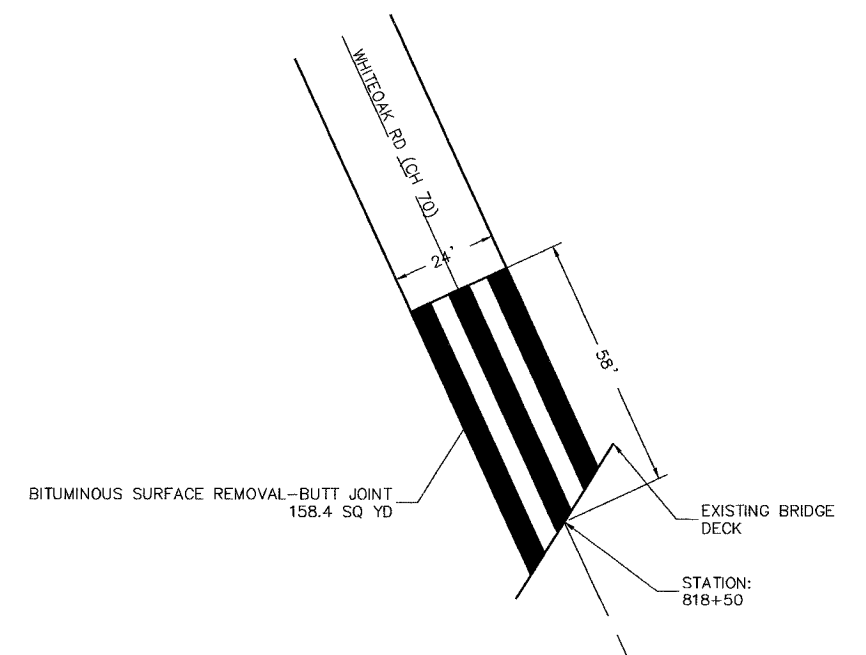
SPECIAL SIDE ROAD RETURN DETAIL

WHITEOAK ROAD AND KLETZVILLE ROAD
STATION 810+80



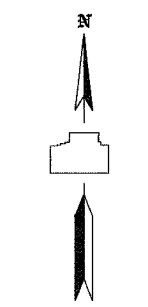
BRIDGE APPROACH MILLING DETAIL

STATION: 817+92

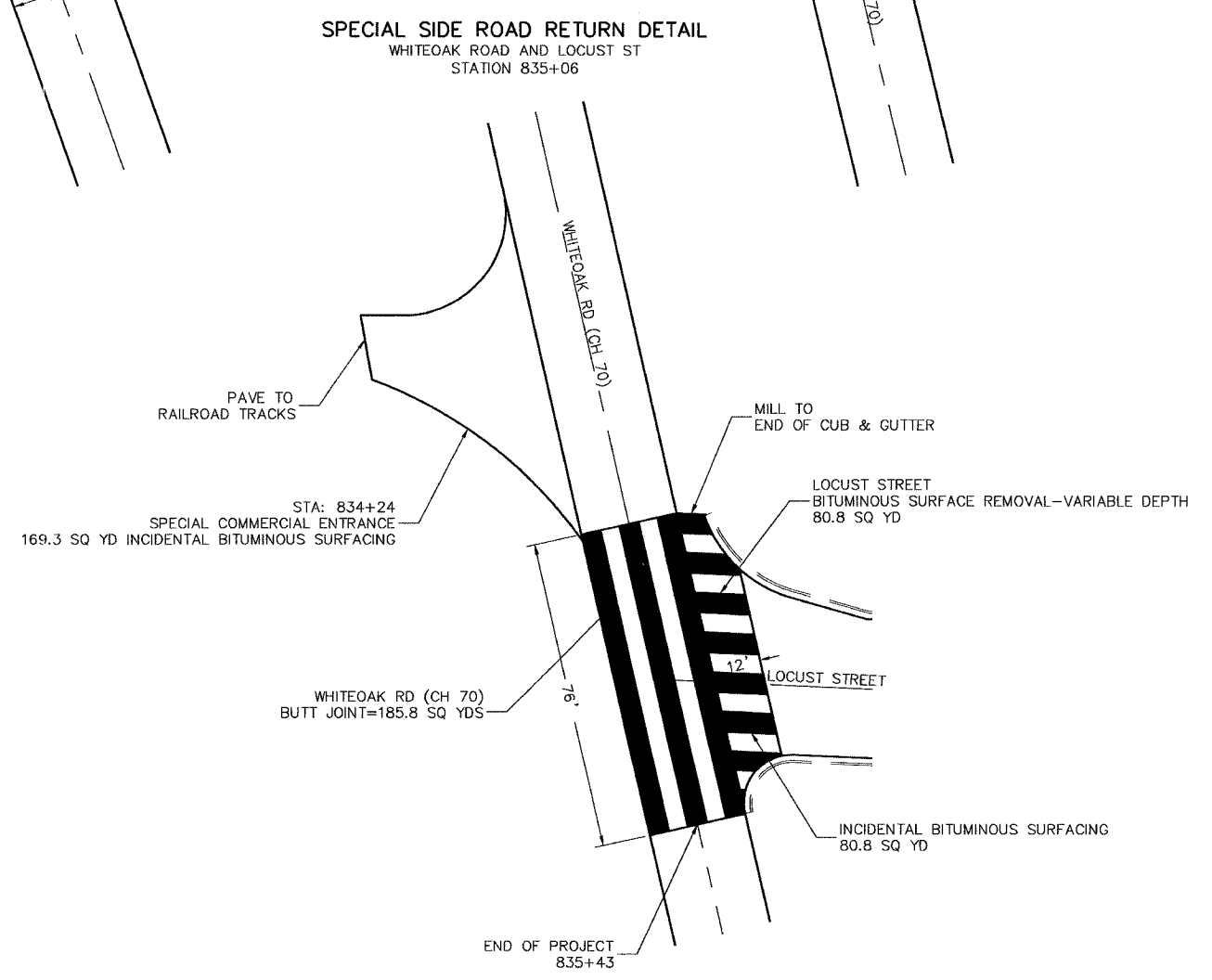
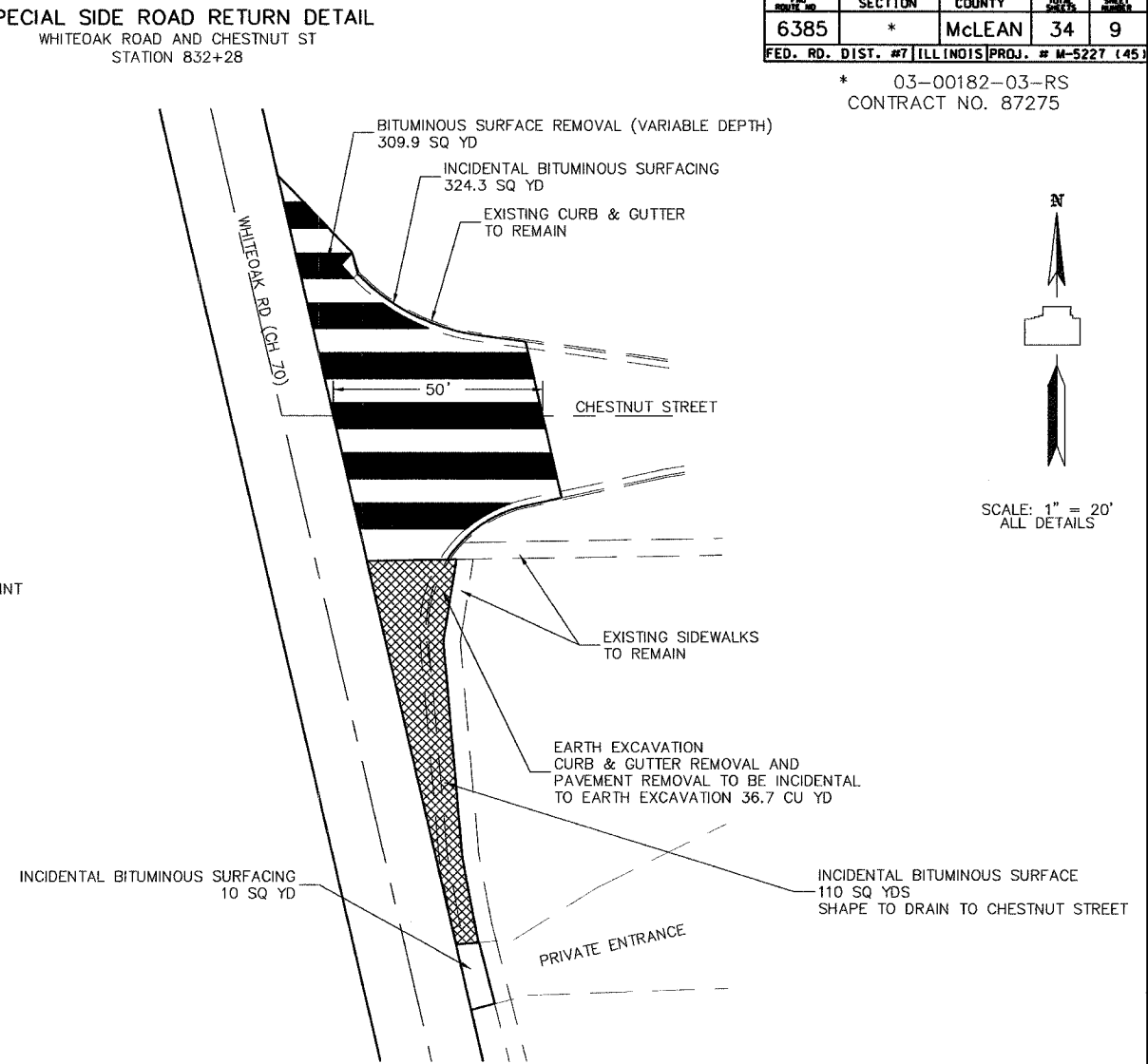
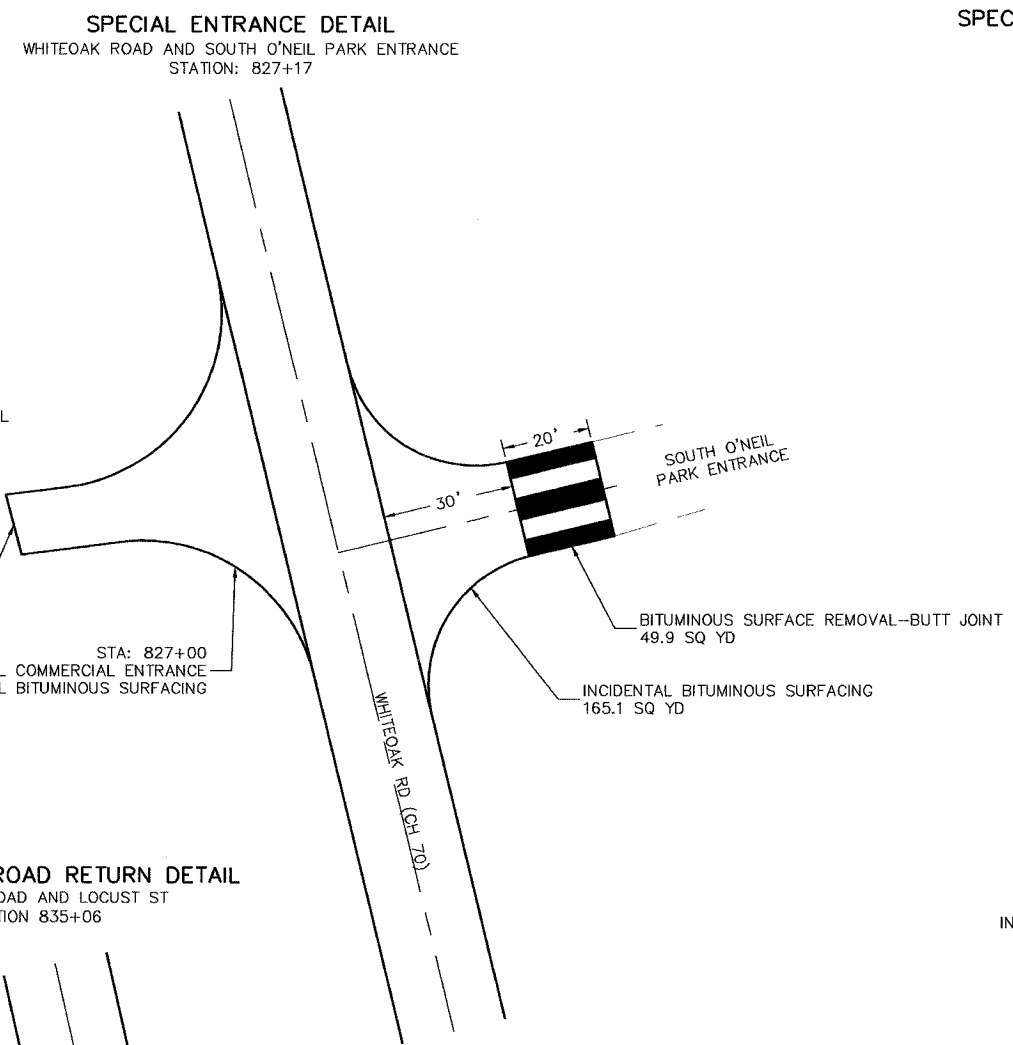
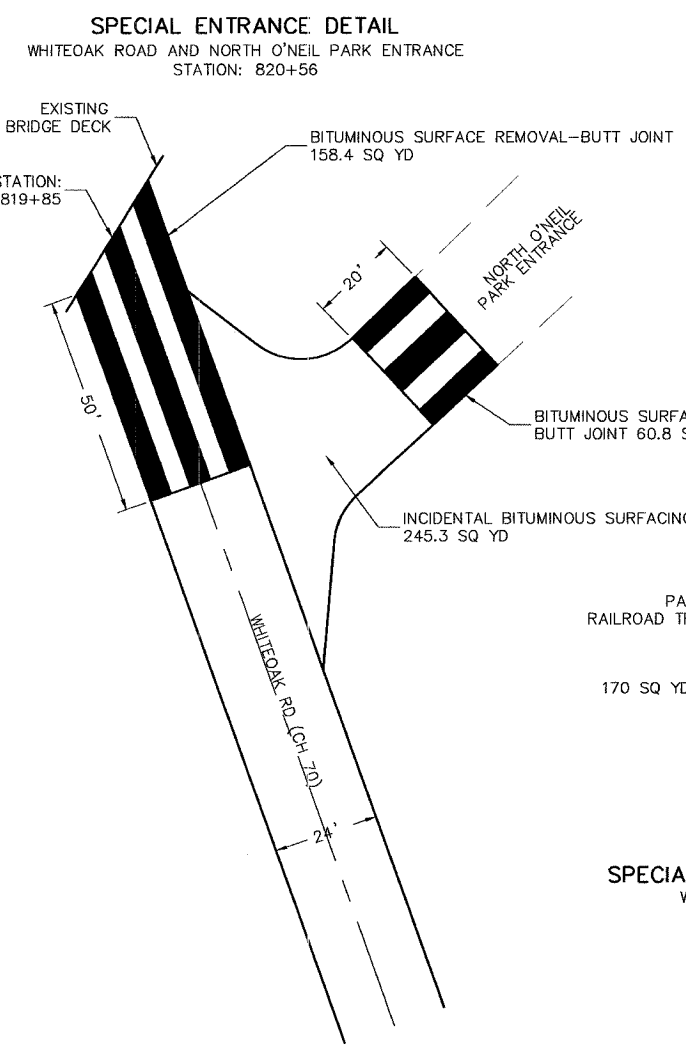


PROJECT NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
6385	*	McLEAN	34	9
FED. RD. DIST. #7 ILLINOIS PROJ. # M-5227 (45)				

* 03-00182-03-RS
CONTRACT NO. 87275



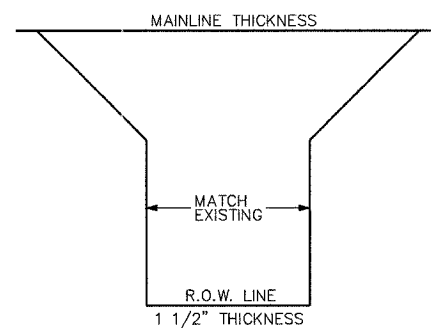
SCALE: 1" = 20'
ALL DETAILS



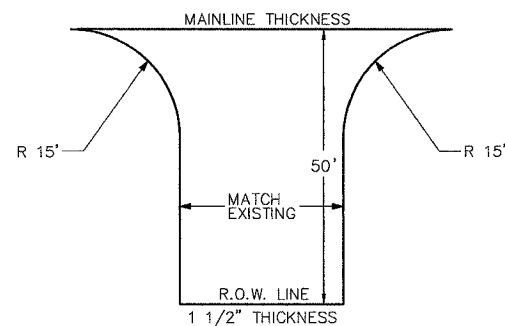
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
6385	*	McLEAN	34	10
FED. RD. DIST. #7 ILLINOIS PROJ. # M-5227 (45)				

* 03-00182-00-RS
CONTRACT NO. 87275

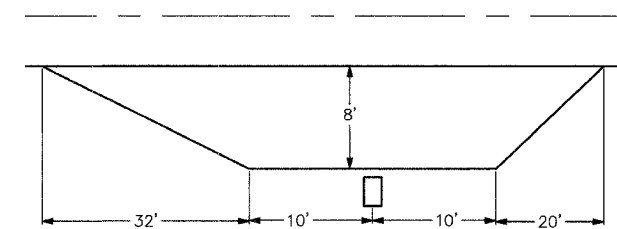
URBAN PRIVATE ENTRANCE
2 @ 64.1 SQ YDS EACH



RURAL PRIVATE ENTRANCE
8 @ 77.4 SQ YDS EACH

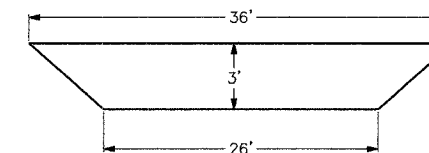


MAILBOX TURNOUT
4 @ 42 SQ YDS EACH



NOTE: MULTIPLE MAILBOX CLUSTERS TO BE EXTENDED 2' FOR EACH ADDITIONAL MAILBOX.

FIELD ENTRANCE
14 @ 42 SQ YDS EACH



NOTES: ALL FIELD ENTRANCES SHALL BE CONSTRUCTED WITH THE EXTENDABLE SCREED WIDENERS AND PAID FROM BITUMINOUS BINDER AND SURFACE COURSES.

ALL SIDE ROAD RETURNS, PRIVATE ENTRANCES & MAILBOX TURNOUTS ARE TO BE CONSTRUCTED AND PAID FROM INCIDENTAL BITUMINOUS SURFACE COURSE.

AGGREGATE SHOULDERS SHALL BE PLACED ALONG ALL SIDE ROAD RETURN RADI AND PRIVATE ENTRANCE RADI AND ALSO SHALL BE PLACED ALONG AND BEHIND ALL FIELD ENTRANCES AND MAILBOX TURNOUTS UNLESS SPECIFIED BY THE ENGINEER.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	11
STA.		TO STA.		

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 * 6352 - COLLEGE AVENUE
 6385 - WHITE OAK ROAD (C.H. 70)
 ** 03-00182-00-RS

PORTLAND CEMENT CONCRETE BASE COURSE 9"	
STATION TO STATION	SQ YD
NW QUADRANT	30
NE QUADRANT	75
SW QUADRANT	150
SE QUADRANT	105
TOTAL	360

BITUMINOUS SURFACE REMOVAL - BUTT JOINT	
STATION TO STATION	SQ YD
82+30.46	82+70.46
TOTAL	179

PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	
STATION TO STATION	SQ YD
85+59.89	85+99.89
TOTAL	187

BITUMINOUS BASE COURSE, SUPERPAVE 8"	
STATION TO STATION	SQ YD
90+32+43 LT	94+32.43 LT
91+32.43 RT	94+32.43 RT
94+32.43 LT	98+45.68 LT
94+32.43 RT	98+45.68 RT
101+45.38 LT	105+51.43 LT
101+45.38 RT	105+51.43 RT
105+51.43 LT	108+51.63 LT
105+51.43 RT	109+51.63 RT
TOTAL	1842

TRENCH BACKFILL	
STATION	
99+54 LT (SS REMOVAL)	8 CU YD
99+54 LT (24" SS)	5 CU YD
99+54 LT (REMOVE INLET)	1 CU YD
100+57 LT (SS REMOVAL)	2 CU YD
100+57 LT (DUCTILE IRON SS AND REMOVE INLET)	6 CU YD
TOTAL	22 CU YD

TEMPORARY DITCH CHECKS	
STATION	
WHITE OAK ROAD:	
91+00	LT & RT 2 EACH
93+50	LT & RT 2 EACH
96+00	LT & RT 2 EACH
98+50	LT & RT 2 EACH
102+50	LT 1 EACH
106+00	LT & RT 2 EACH
108+00	RT 1 EACH
COLLEGE AVENUE:	
85+85	LT 1 EACH
TOTAL	13 EACH

PERIMETER EROSION BARRIER	
STATION	TO STATION
WHITE OAK ROAD:	
93+50 RT	99+35 RT 75 FEET
100+30 RT	103+00 RT 270 FEET
100+75 LT	103+00 LT 225 FEET
103+00 RT	103+97 RT 110 FEET
103+00 LT	103+97 LT 110 FEET
104+25 RT	105+50 RT 140 FEET
104+25 LT	105+50 LT 140 FEET
COLLEGE AVENUE:	
82+30 LT	83+65 LT 135 FEET
82+30 RT	83+80 RT 140 FEET
85+99 RT	85+40 RT 60 FEET
CONTINGENCY	20 FEET
TOTAL	1425 FEET

INLET AND PIPE PROTECTION	
STATION	
WHITE OAK ROAD:	
99+30	LT 1 EACH
99+50	LT 1 EACH
100+64	LT 1 EACH
108+28	LT 1 EACH
COLLEGE AVENUE:	
83+00	LT 1 EACH
TOTAL	5 EACH

TEMPORARY RAMP	
STATION	TO STATION
82+30.46	82+35.46
85+94.89	85+99.89
TOTAL	50 SQ YD

COMBINATION CURB AND GUTTER REMOVAL	
STATION	TO STATION
82+28 LT	83+25 LT 97 FEET
82+38 RT	83+25 RT 87 FEET
83+25 LT	84+05 LT 120 FEET
83+25 RT	84+70 RT 192 FEET
84+15 LT	(ISLAND) 60 FEET
84+80 RT	(ISLAND) 55 FEET
84+32 LT	85+99.89 LT 210 FEET
84+90 RT	85+99.89 LT 150 FEET
TOTAL	971 FEET

MEDIAN REMOVAL	
STATION	
84+15 LT	(ISLAND) 140 SQ FT
84+80 RT	(ISLAND) 115 SQ FT
TOTAL	255 SQ FT

PAVED DITCH REMOVAL	
STATION	TO STATION
100+95 LT	102+00 LT 106 FEET
102+00 LT	103+90 LT 190 FEET
TOTAL	296 FEET

CLASS C PATCHES, TYPE II, 9 INCH	
STATION	
99+55 LT	6 SQ YD
100+50 LT	7 SQ YD
TOTAL	13 SQ YD

CLASS C PATCHES, TYPE III, 9 INCH	
STATION	
84+15 LT	(ISLAND) 25 SQ YD
84+80 RT	(ISLAND) 20 SQ YD
TOTAL	45 SQ YD

STORM SEWERS, CLASS A, TYPE 1 24"	
STATION	
99+54 LT	24 FEET
99+54 LT	10 FEET
TOTAL	34 FEET

STORM SEWER REMOVAL, 24"	
STATION	
99+54 LT	25 FEET
100+57 LT	15 FEET
TOTAL	40 FEET

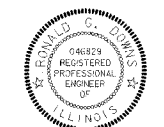
REMOVING INLETS TO MAINTAIN FLOW	
STATION	
99+54 LT	1 EACH
100+57 LT	1 EACH
TOTAL	2 EACH

CLASS SI CONCRETE (OUTLET)	
STATION	TO STATION
101+63.76	102+32
TOTAL	4 CU YD

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	
STATION	TO STATION
82+28 LT	98+87.05 RT 222 FEET
82+38 RT	101+63.76 RT 305 FEET
98+73.25 LT	85+99.89 LT 224 FEET
100+94.68 LT	85+99.89 RT 140 FEET
TOTAL	891 FEET

PAVED DITCH, TYPE A-30	
STATION	TO STATION
100+94.68 LT	102+00 LT 105 FEET
102+00 LT	103+92 LT 192 FEET
TOTAL	297 FEET


STORM SEWERS, DUCTILE IRON, 24"	
STATION	
100+57 LT	20 FEET
TOTAL	20 FEET


Donald G. Johnson 12-27-05
 SIGNATURE
 EXPIRATION DATE NOV. 30, 2007
 PERTAINS TO FARNSWORTH GROUP
 PLANS ONLY

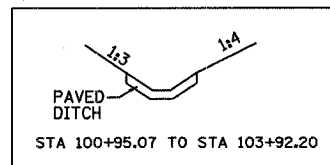
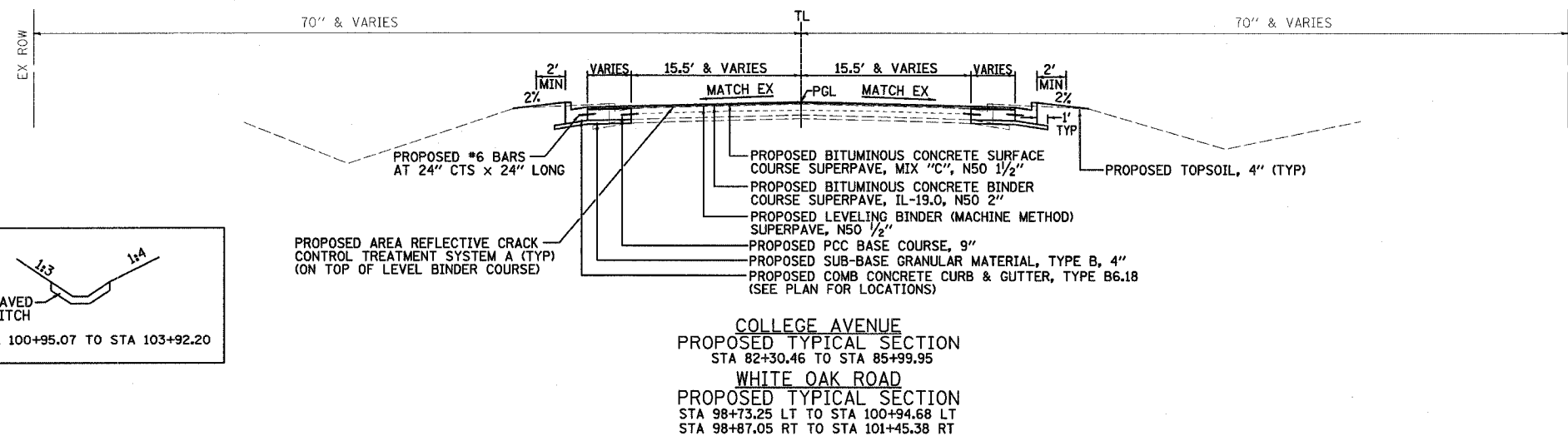
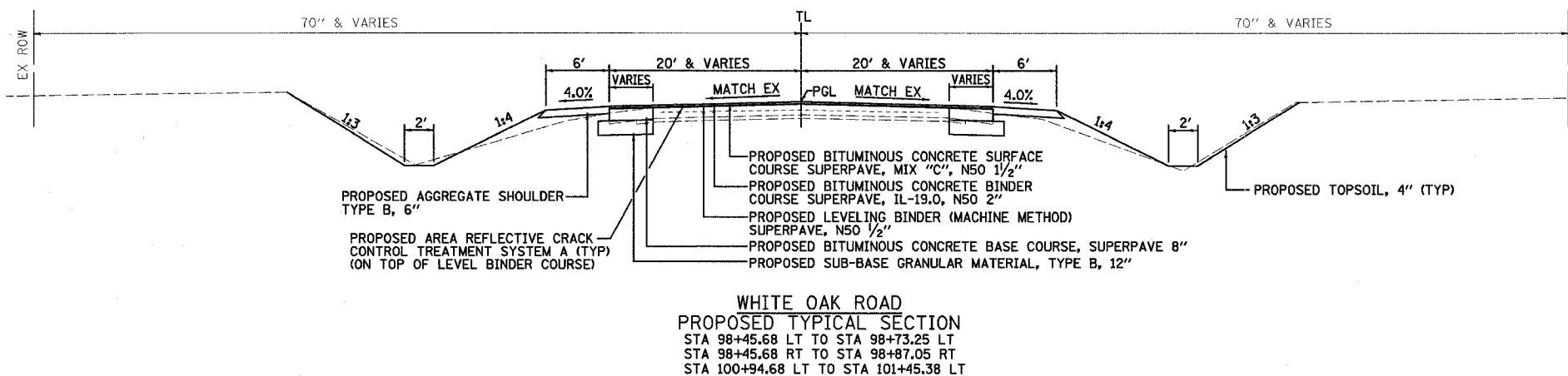
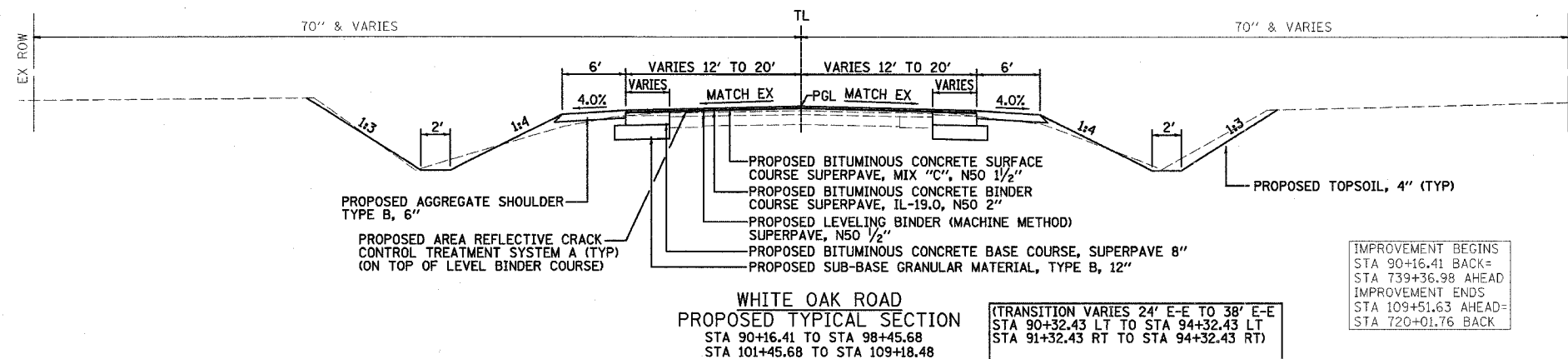
McLEAN CO SECTION 03-00182-00-RS
 COLLEGE AVENUE & WHITE OAK ROAD WIDENING

SCHEDULE OF QUANTITIES

DRAWN BY J.OCHSNER	DATE 03/08/05	CHECKED BY RGD	FILE NO. 24-7482	BOOK NO. 2704	SHEET NO. 5
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 8708 McGraw Drive
 Bloomington, Illinois 61706
 309.883-6436 / fax 309.883-1671

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	12
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 6352 - COLLEGE AVENUE 6385 - WHITE OAK ROAD (C.H. 70) ** 03-00182-00-RS				



STATUS OF UTILITIES		
UTILITY COMPANIES & AGENCIES THAT MAY BE INVOLVED IN THIS PROJECT AND HAVE RECEIVED PLANS ARE LISTED BELOW		
UTILITY COMPANY OR AGENCY	PRELIMINARY PLANS PRESENTED	FINAL PLANS PRESENTED
TOWN OF NORMAL ENGINEERING	MARCH 8, 2005	
TOWN OF NORMAL WATER	MARCH 8, 2005	
CORN BELT ELECTRIC COMPANY	MARCH 8, 2005	
NICOR	MARCH 8, 2005	
VERIZON	MARCH 8, 2005	
INSIGHT COMMUNICATIONS MIDWEST	MARCH 8, 2005	
MCLEOD	MARCH 8, 2005	

McLEAN CO SECTION 03-00182-00-RS
COLLEGE AVENUE & WHITE OAK ROAD WIDENING

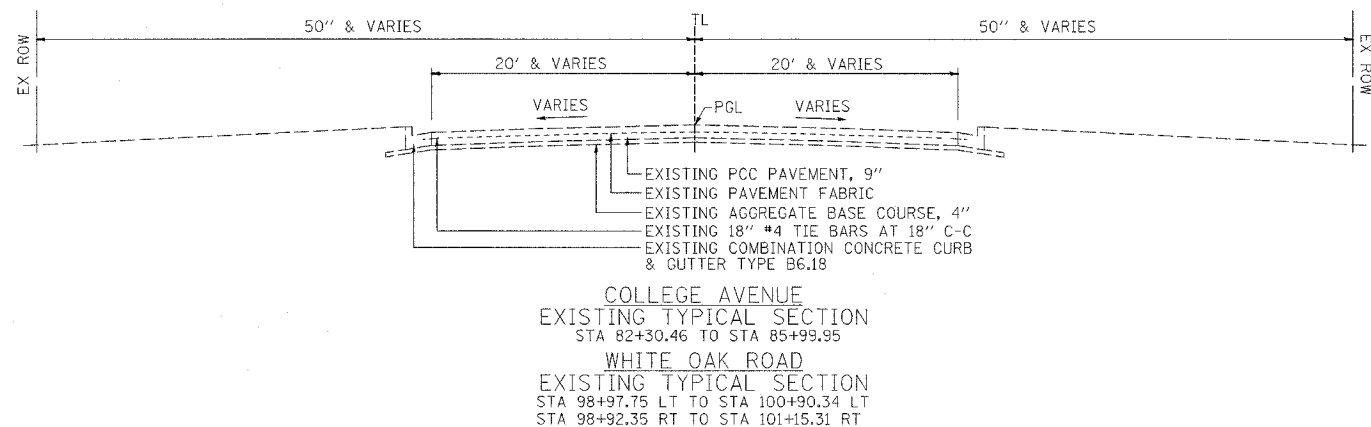
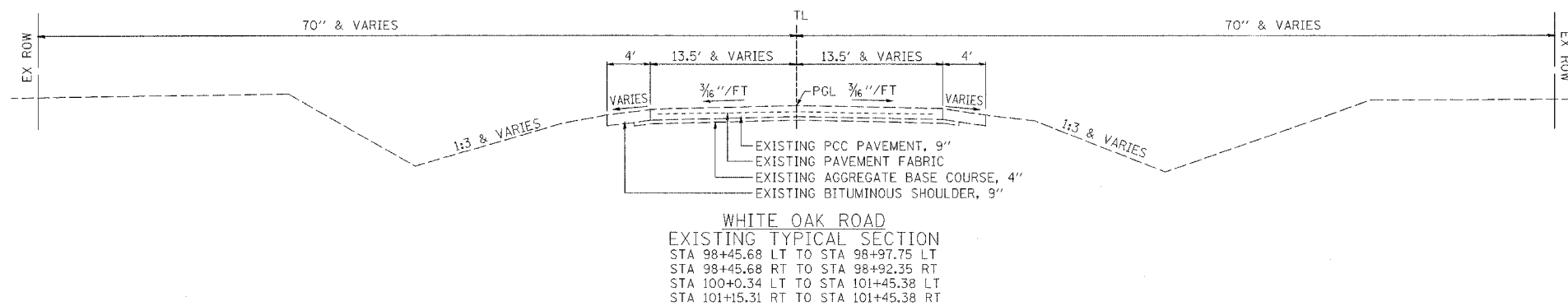
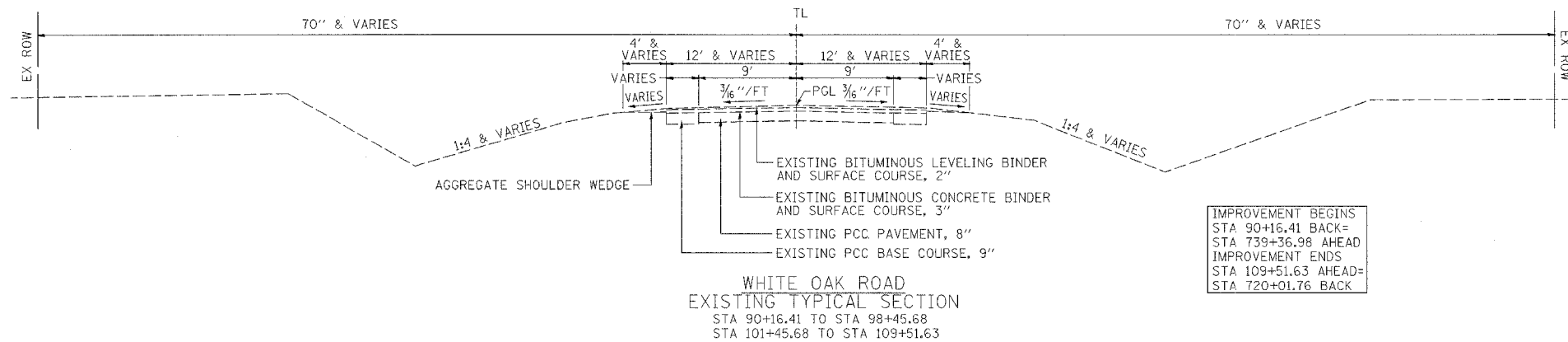
PROPOSED TYPICAL SECTIONS

DRAWN BY J.OCHSNER	DATE 03/08/05	CHECKED BY RGD	FILE NO. 24-7482	BOOK NO. 2704	SHEET NO.
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Farnsworth GROUP
2704 Andrew Drive
Bloomington, Illinois 61704
800.833-8435 / fax 300.833-1671

REVISED 12/08/05

F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* **	McLEAN	34	13
STA. TO STA.			
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			
* 6352 - COLLEGE AVENUE 6385 - WHITE OAK ROAD (C.H. 70) ** 03-00182-00-RS			



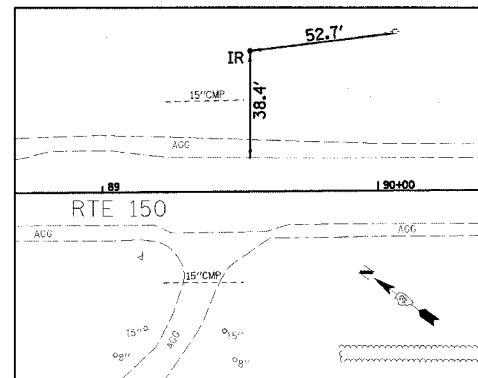
McLEAN CO SECTION 03-00182-00-RS
COLLEGE AVENUE & WHITE OAK ROAD WIDENING

EXISTING TYPICAL SECTIONS

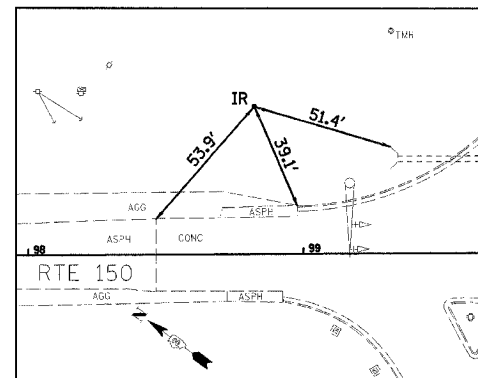
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DATE 03/08/05		BOOK NO. 2704
CHECKED BY RGD		SHEET NO.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

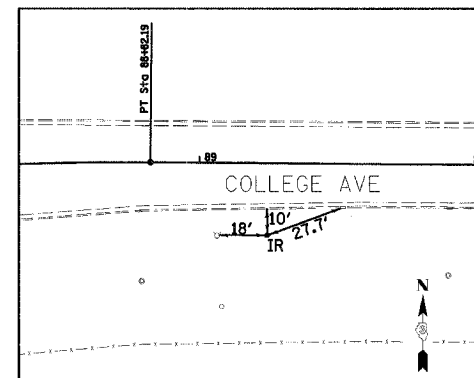
* 6352 - COLLEGE AVENUE
 6395 - WHITE OAK ROAD (C.H. 7D)
 ** 03-00182-00-RS



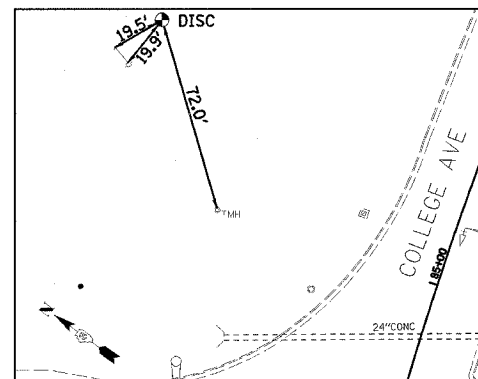
CONTROL TIE #101
 STA 89+53.82, 50.54' LT
 IRON ROD



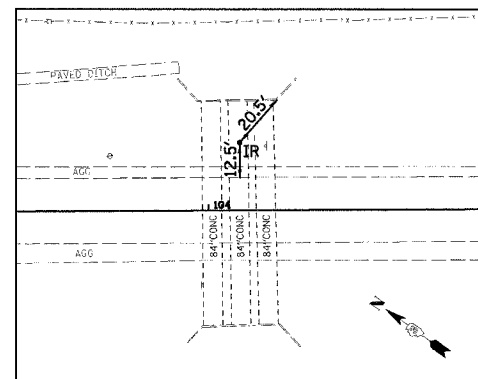
CONTROL TIE #100
 STA 98+82.45, 53.32' LT
 IRON ROD



CONTROL TIE #5
 STA 89+24.84, 26.13' RT
 IRON ROD



CONTROL TIE #1588
 STA 85+54.48, 126.34' LT
 DISC



CONTROL TIE #4
 STA 104+11.48, 24.49' LT
 IRON ROD

ALIGNMENT COORDINATES		
STATION	NORTHING	EASTING
88+00 (WHITE OAK RD)	10,913.12	8,438.75
99+95.68 (WHITE OAK RD)	9,950.29	9,147.71
110+99.31 (WHITE OAK RD)	9,061.11	9,801.43
76+41.13 (COLLEGE AVE PC)	9,446.64	8,540.60
83+23.84 (COLLEGE AVE PI)	10,031.03	8,893.58
88+82.19 (COLLEGE AVE PT)	10,026.19	9,576.28

PROP. CURVE COLLEGE AVE
 PI STA. = 83+23.84
 $\Delta = 59^\circ 16' 25''$ (RT)
 $D = 4^\circ 46' 34''$
 $R = 1,200.00'$
 $T = 682.71'$
 $L = 1,241.06'$
 $E = 180.62'$
 P.C. STA = 76+41.13
 P.T. STA = 88+82.19

POINT #	NORTHING	EASTING	STATION	OFFSET
101	10,819.22	8,570.66	89+53.82	-50.54
100	10,073.08	9,123.51	98+82.45	-53.32
5	9,999.76	9,618.74	102+34.84	-408.81
1588	10,105.89	9,219.01	99+12.66	-149.67
4	9,629.79	9,413.74	104+11.48	-24.49

BENCHMARKS:

"□" ON CENTER HEADWALL ON N SIDE COLLEGE AVENUE @ NE COR COLLEGE & RTE 150
 ELEV=783.04

TOP OF FIRE HYDRANT 2nd E OF RTE 150 (300'±)
 S SIDE COLLEGE AVENUE
 ELEV=781.63

P.K. NAIL IN POWER POLE 1st POLE S OF BRICK HOUSE #235 RTE 150 (WHITE OAK RD)
 ELEV=797.83

"□" E END OF HEADWALL 600'± W OF I-55
 S SIDE OF COLLEGE AVENUE
 ELEV=776.73

"□" S END OF HEADWALL FOR TRIPLE 84" CULVERT
 E SIDE RTE 150 (WHITE OAK RD) 300'± S OF COLLEGE AVENUE
 ELEV=774.99

EX P.K. NAIL IN E FACE OF POWER POLE 500'± N OF COLLEGE AVENUE E SIDE RTE 150 (WHITE OAK RD)
 ELEV=791.60

EX P.K. NAIL IN POWER POLE E SIDE RTE 150 (WHITE OAK RD) 3rd POLE N OF HOUSE #235 RTE 150 (WHITE OAK RD)
 ELEV=801.79



(N.T.S.)

McLEAN CO SECTION 03-00182-00-RS
 COLLEGE AVENUE & WHITE OAK ROAD WIDENING

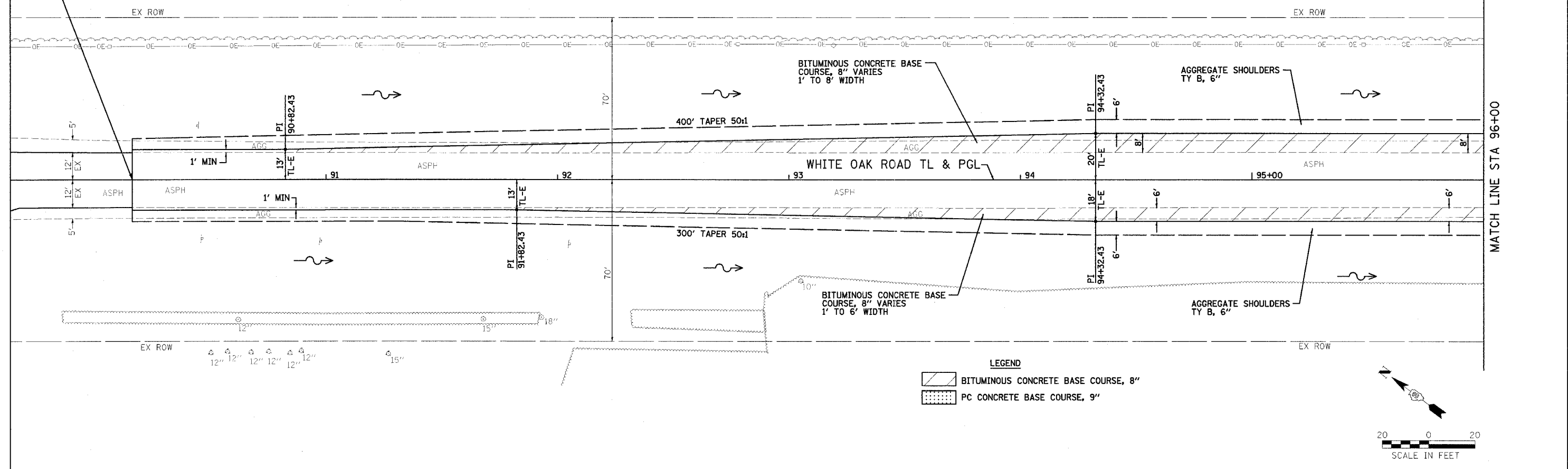
SURVEY CONTROL TIES & BENCHMARKS

DRAWN BY J.OCHSNER	DATE 03/08/05	CHECKED BY RCD	FILE NO. 24-7482	BOOK NO. 2704	SHEET NO.
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Farnsworth GROUP
 2709 Andrew Drive
 Bloomington, Illinois 61704
 309.892-8435 / fax 309.892-1571

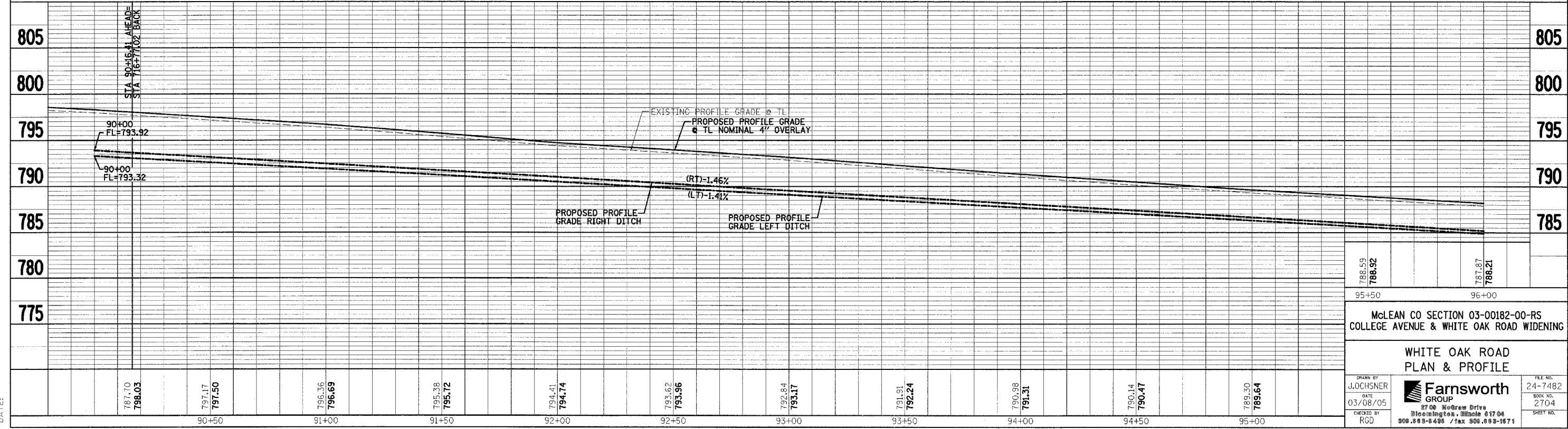
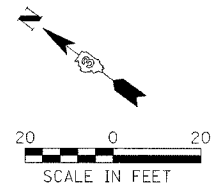
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	15
STA. 90+16.41 TO STA. 96+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* 6352 - COLLEGE AVENUE				
* 6385 - WHITE OAK ROAD (C.H. 70)				
** 03-00182-00-RS				

STA 90+16.41 AHEAD=
STA 716+77.02 BACK



LEGEND

	BITUMINOUS CONCRETE BASE COURSE, 8"
	PC CONCRETE BASE COURSE, 9"



788.59 788.92	787.87 788.21
95+50	96+00
McLEAN CO SECTION 03-00182-00-RS COLLEGE AVENUE & WHITE OAK ROAD WIDENING	
WHITE OAK ROAD PLAN & PROFILE	
DRAWN BY J.OCHSNER	FILE NO. 24-7482
DATE 03/08/05	BOOK NO. 2704
CHECKED BY RGD	SHEET NO.
2700 Woodrow Drive Bloomington, Illinois 61704 308.883-8498 / fax 308.883-9871	

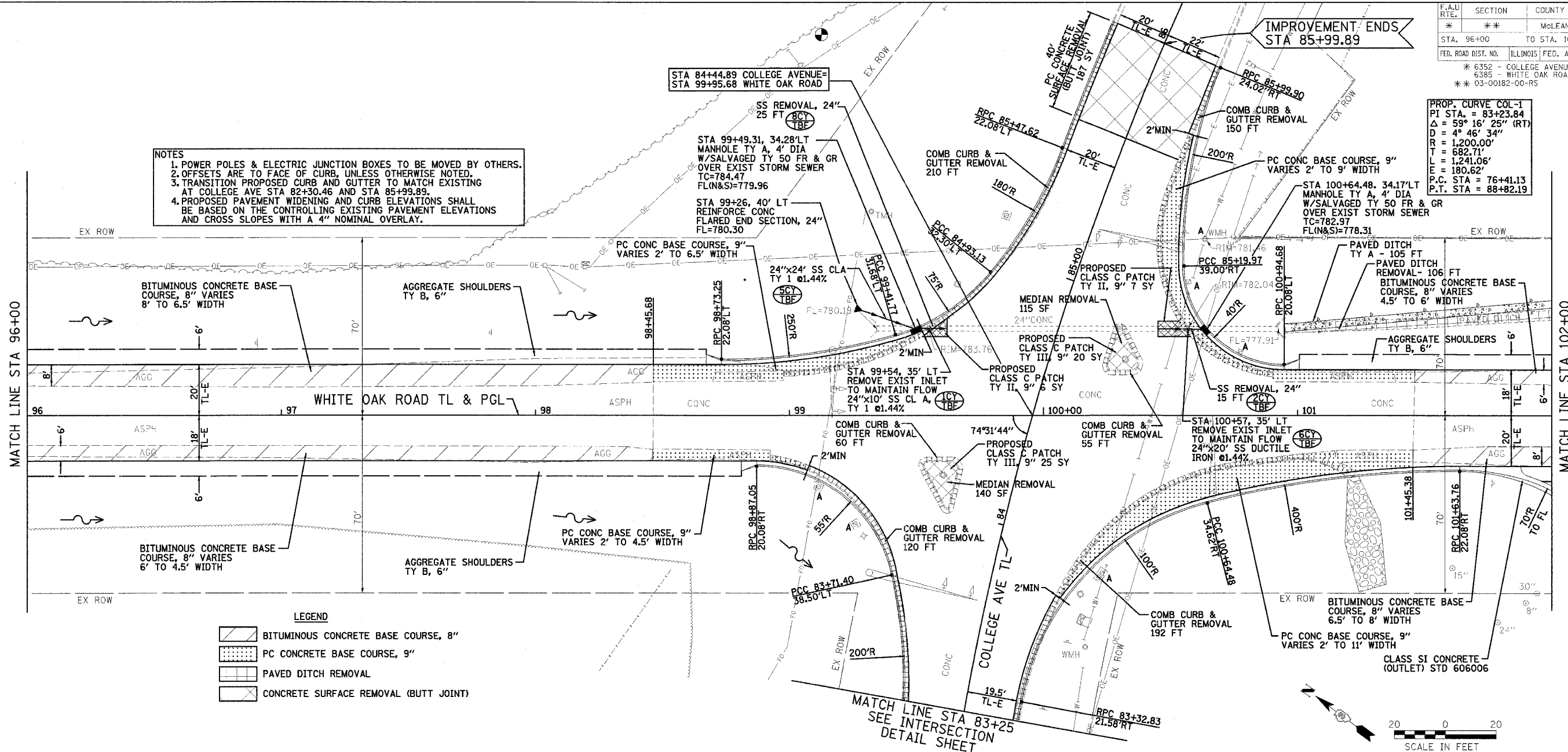
FILE:
DATE:

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
*	**	McLEAN	34 16
STA. 96+00 TO STA. 102+00			
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT	
* 6352 - COLLEGE AVENUE 6385 - WHITE OAK ROAD (C.H. 70) ** 03-00182-00-RS			

PROP. CURVE COL-1	PI STA. = 83+23.84
$\Delta = 59^\circ 16' 25''$ (RT)	
$D = 4^\circ 46' 34''$	
$R = 1,200.00'$	
$T = 682.71'$	
$L = 1,241.06'$	
$E = 180.62'$	
P.C. STA = 76+41.13	
P.T. STA = 88+82.19	

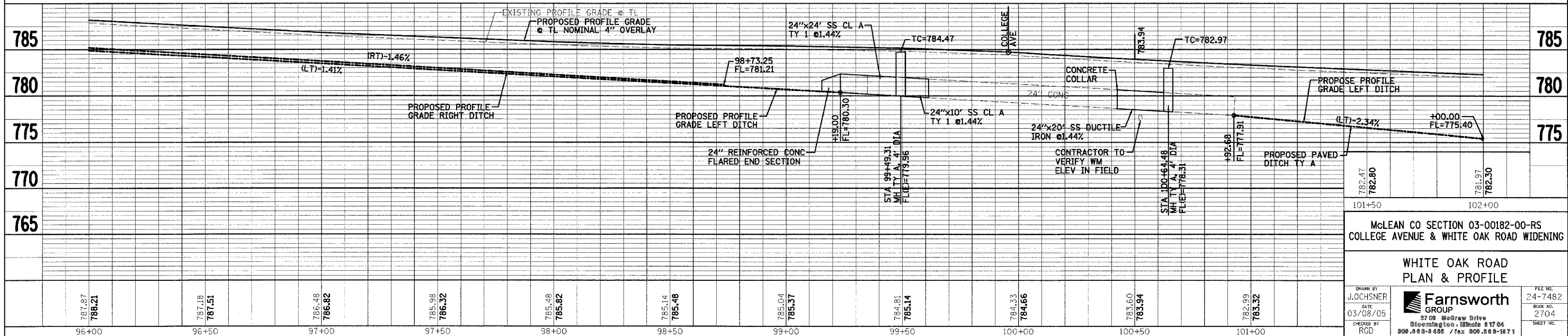
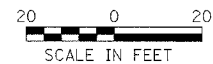
NOTES

1. POWER POLES & ELECTRIC JUNCTION BOXES TO BE MOVED BY OTHERS.
2. OFFSETS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
3. TRANSITION PROPOSED CURB AND GUTTER TO MATCH EXISTING AT COLLEGE AVE STA 82+30.46 AND STA 85+99.89.
4. PROPOSED PAVEMENT WIDENING AND CURB ELEVATIONS SHALL BE BASED ON THE CONTROLLING EXISTING PAVEMENT ELEVATIONS AND CROSS SLOPES WITH A 4" NOMINAL OVERLAY.



LEGEND

[Pattern]	BITUMINOUS CONCRETE BASE COURSE, 8"
[Pattern]	PC CONCRETE BASE COURSE, 9"
[Pattern]	PAVED DITCH REMOVAL
[Pattern]	CONCRETE SURFACE REMOVAL (BUTT JOINT)



McLEAN CO SECTION 03-00182-00-RS
COLLEGE AVENUE & WHITE OAK ROAD WIDENING

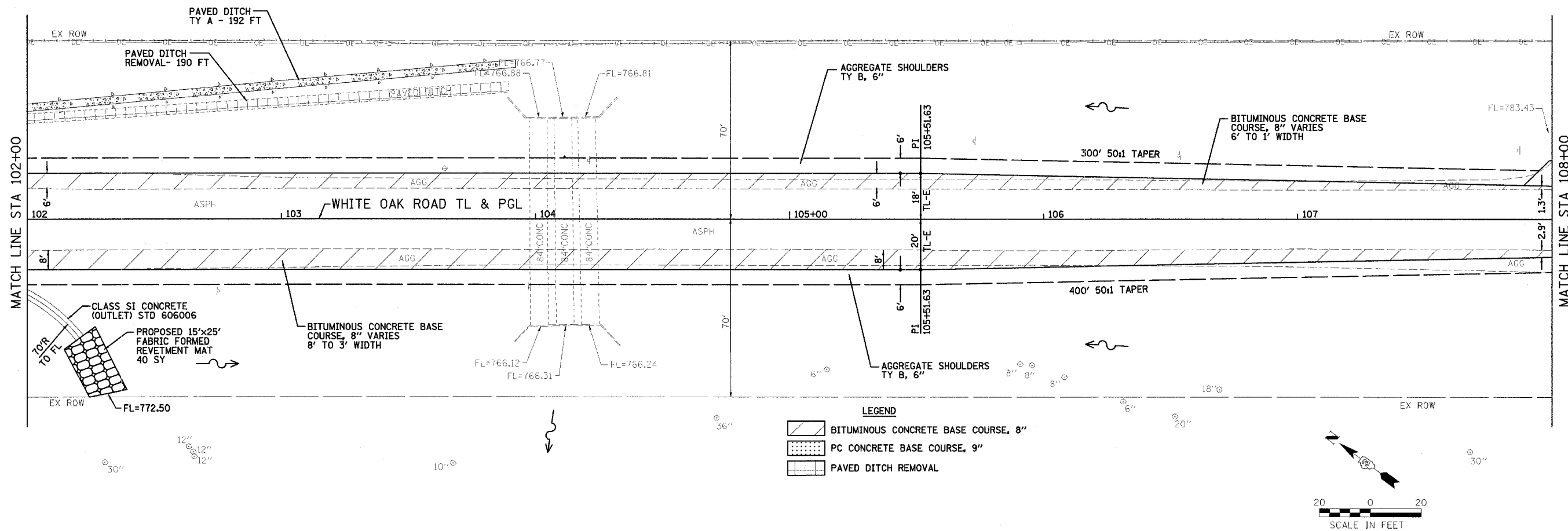
WHITE OAK ROAD
PLAN & PROFILE

DRAWN BY J. JOCHNER	DATE 03/08/05	CHECKED BY RCD	FILE NO. 24-7482
Farnsworth GROUP		BOOK NO. 2704	
2709 Woodrow Drive Bloomington, IL 61704 308.683-8498 / fax 308.683-1671		SHEET NO.	

REVISED 12/08/05

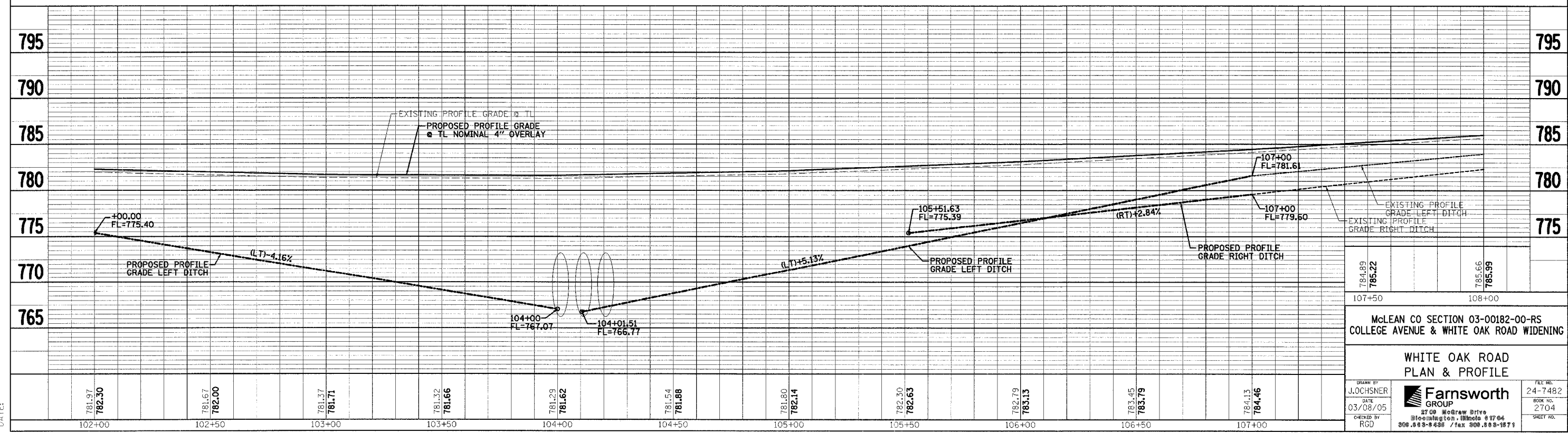
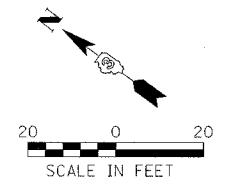
FILE:
DATE:

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	*	McLEAN	34	17
STA. 102+00		TO STA. 108+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 6352 - COLLEGE AVENUE 6385 - WHITE OAK ROAD (C.H. 70) ** 03-00182-00-RS				



LEGEND

	BITUMINOUS CONCRETE BASE COURSE, 8"
	PC CONCRETE BASE COURSE, 9"
	PAVED DITCH REMOVAL



McLEAN CO SECTION 03-00182-00-RS
COLLEGE AVENUE & WHITE OAK ROAD WIDENING

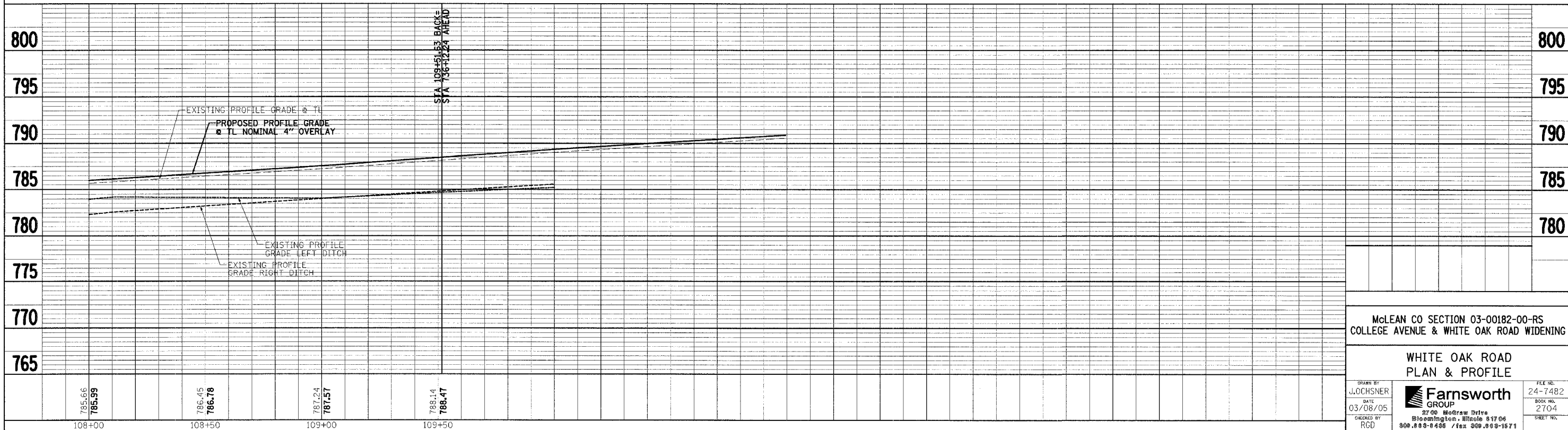
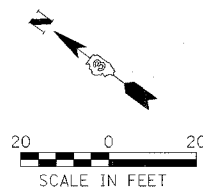
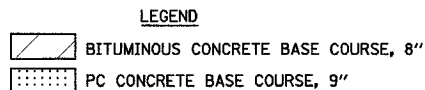
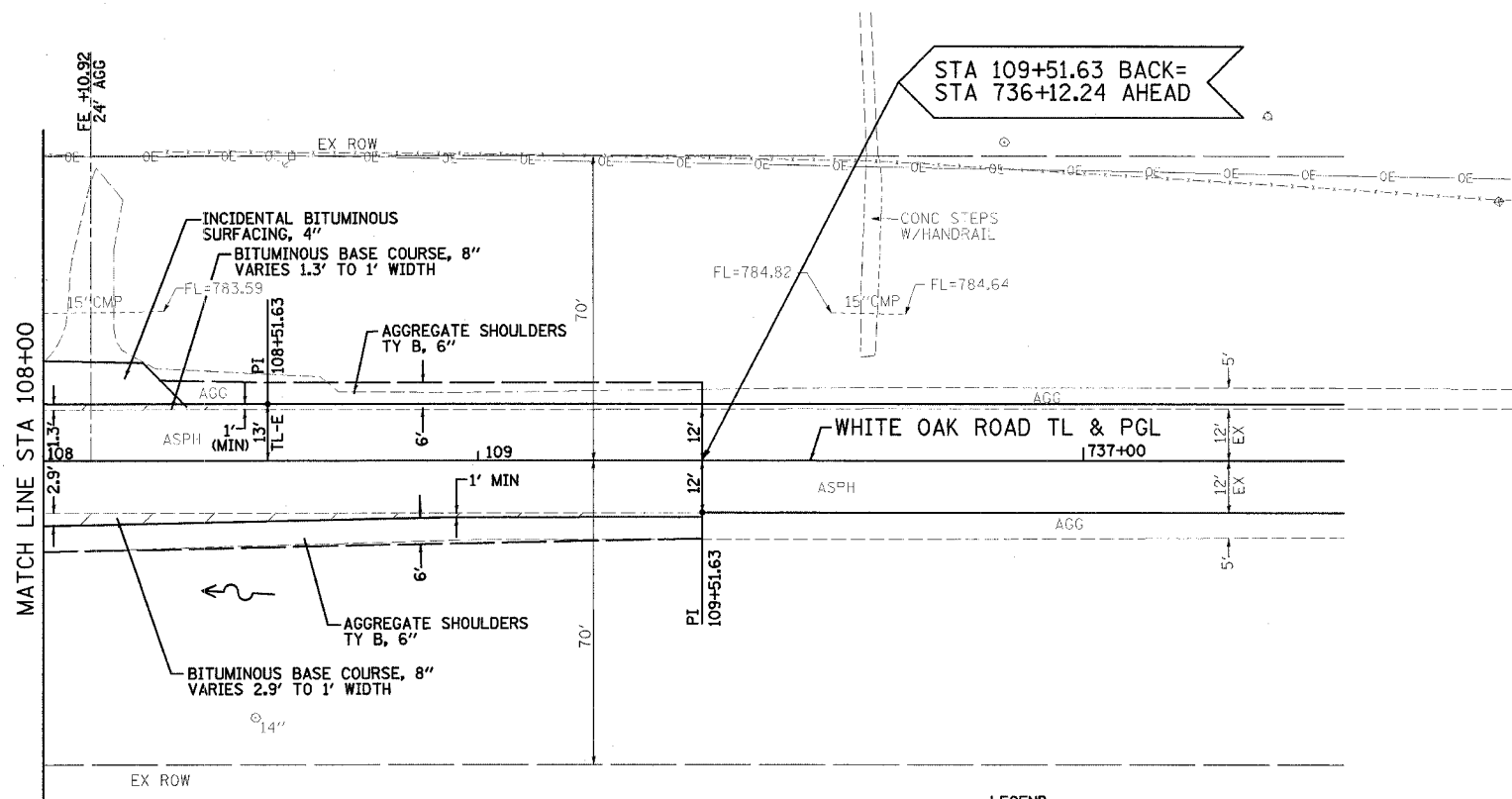
**WHITE OAK ROAD
PLAN & PROFILE**

DRAWN BY J.OCHSNER	DATE 03/08/05	CHECKED BY RCD	FILE NO. 24-7482
			BOOK NO. 2704
4700 McGraw Drive Bloomington, Illinois 61704 309.593-8438 / fax 309.593-1971			SHEET NO.

REVISED 12/08/05

FILE:
DATE:

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	18
STA. 108+00		TO STA. 109+51.63		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 6352 - COLLEGE AVENUE * 6385 - WHITE OAK ROAD (C.H. 70) ** 03-00182-00-RS				



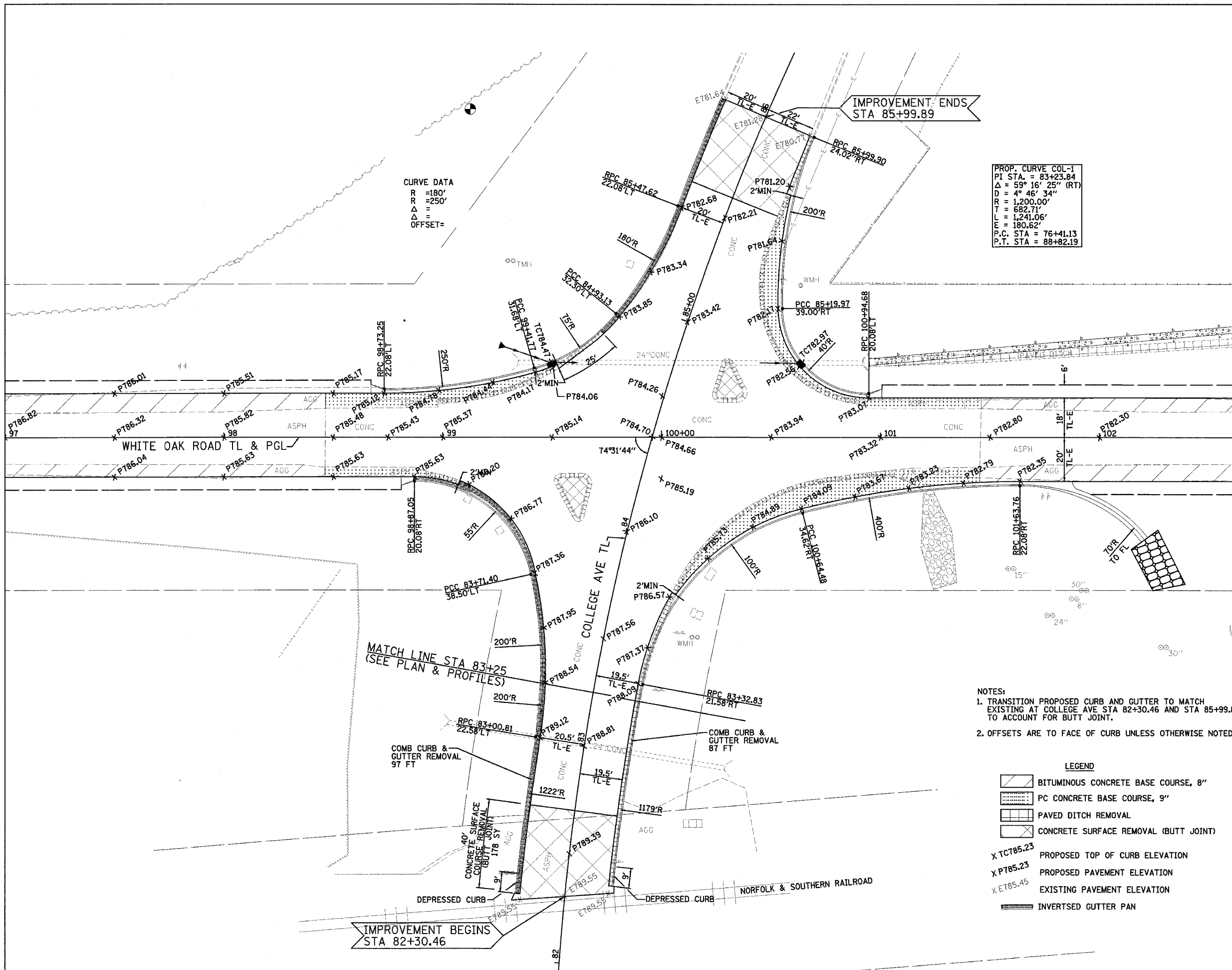
McLEAN CO SECTION 03-00182-00-RS
COLLEGE AVENUE & WHITE OAK ROAD WIDENING

**WHITE OAK ROAD
PLAN & PROFILE**

DRAWN BY J. JOCHSNER	<p>2700 McGraw Drive Bloomington, Illinois 61704 309.883-0485 / fax 309.883-1571</p>	FILE NO. 24-7482
DATE 03/08/05		BOOK NO. 2704
CHECKED BY RGD		SHEET NO.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* 6352 - COLLEGE AVENUE
 6385 - WHITE OAK ROAD (C.H. 70)
 ** 03-00182-00-R5

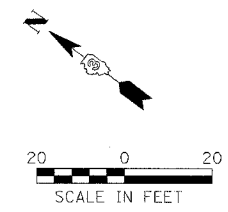


CURVE DATA
 R = 180'
 R = 250'
 Δ =
 OFFSET =

PROP. CURVE COL-1
 P.I. STA. = 83+23.84
 Δ = 53° 16' 25" (RT)
 D = 4° 46' 34"
 R = 1,200.00'
 T = 682.71'
 L = 241.06'
 E = 180.62'
 P.C. STA = 76+41.13
 P.T. STA = 88+82.19

- NOTES:
1. TRANSITION PROPOSED CURB AND GUTTER TO MATCH EXISTING AT COLLEGE AVE STA 82+30.46 AND STA 85+99.89 TO ACCOUNT FOR BUTT JOINT.
 2. OFFSETS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

- LEGEND
- BITUMINOUS CONCRETE BASE COURSE, 8"
 - PC CONCRETE BASE COURSE, 9"
 - PAVED DITCH REMOVAL
 - CONCRETE SURFACE REMOVAL (BUTT JOINT)
 - X TC785.23 PROPOSED TOP OF CURB ELEVATION
 - X P785.23 PROPOSED PAVEMENT ELEVATION
 - X E785.45 EXISTING PAVEMENT ELEVATION
 - INVERTSED GUTTER PAN



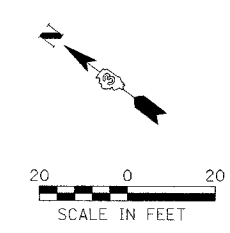
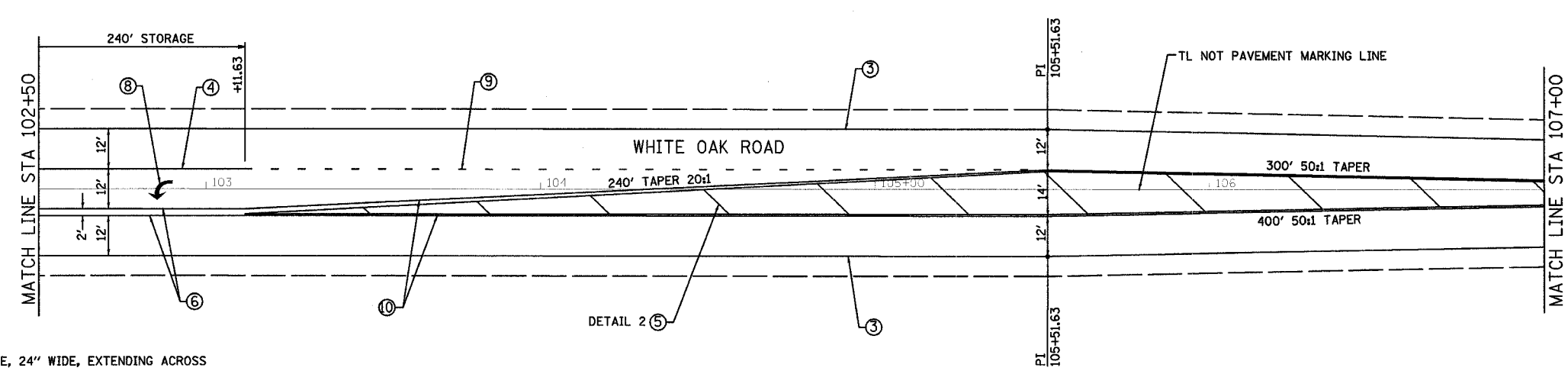
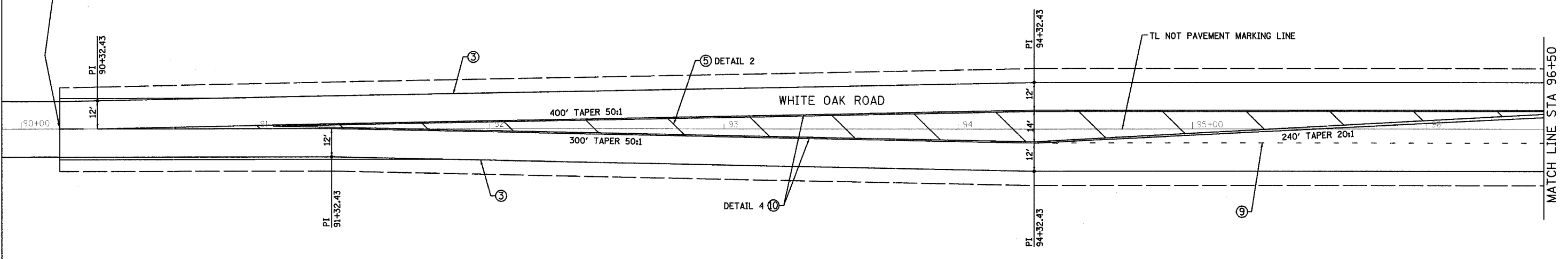
McLEAN CO SECTION 03-00182-00-R5
 COLLEGE AVENUE & WHITE OAK ROAD WIDENING

INTERSECTION DETAIL

DRAWN BY J.OCHSNER	<p>Farnsworth GROUP 2709 McGraw Drive Bloomington, Illinois 61704 308.883-8486 / fax 308.883-1871</p>	FILE NO. 24-7482
DATE 03/08/05		BOOK NO. 2704
CHECKED BY RGD		SHEET NO.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	20
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* 6352 - COLLEGE AVENUE 6385 - WHITE OAK ROAD (C.H. 70)				
** 03-00182-00-RS				

STA 90+16.41 AHEAD=
STA 716+77.02 BACK

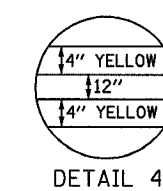
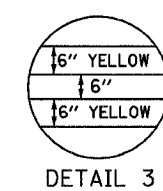
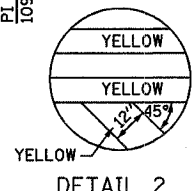
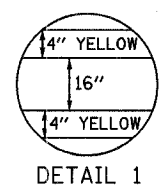
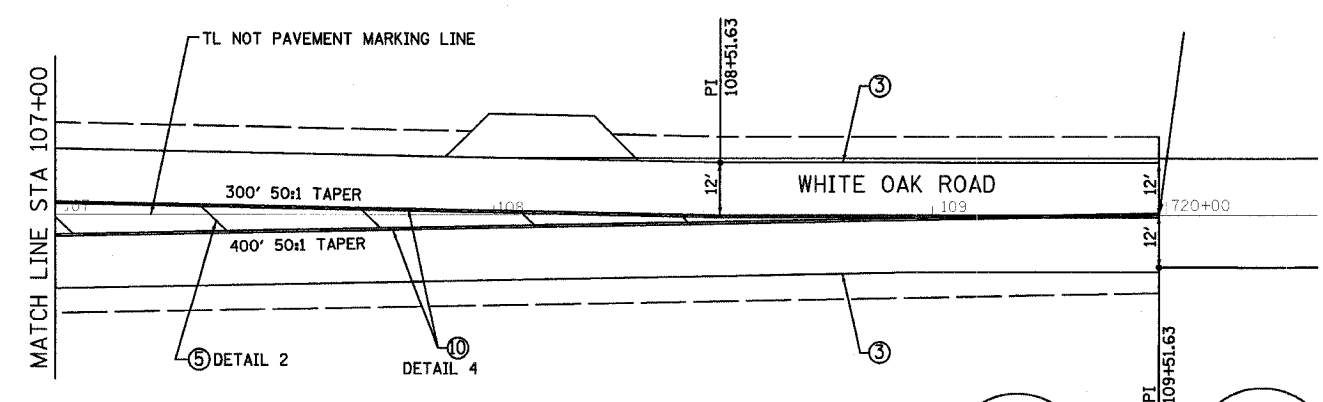


NOTES:

1. STOP LINES ARE SOLID WHITE, 24" WIDE, EXTENDING ACROSS ALL APPROACH LANES
2. PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK, OR JOINT, NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGES OF CENTERLINE OR LANE LINES SHALL BE OFFSET A MINIMUM OF TWO INCHES FROM A LONGITUDINAL CRACK OR JOINT.
3. EXISTING RAISED REFLECTIVE PAVEMENT MARKERS IN CONFLICT ON COLLEGE AVENUE SHALL BE REMOVED.
4. NOT ALL PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS ARE SHOWN ON THIS PLAN. THE MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001.

LEGEND

- 1- WHITE THERMOPLASTIC STOP BAR PAVEMENT MARKING LINE - 24" SOLID
- 2- YELLOW PAINT PAVEMENT MARKING LINE - 4" SOLID
- 3- WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID
- 4- WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 8" SOLID
- 5- YELLOW THERMOPLASTIC PAVEMENT MARKING LINE - 12" (ON 45° ANGLE, 20' CTC)
- 6- DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID
- 7- WHITE PAINT PAVEMENT MARKING LINE - 10' LONG, 30' GAP - 4"
- 8- THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS (FOR LEFT AND RIGHT TURN LANE ONE ARROW 20' FROM FRONT OF STORAGE AND ONE ARROW 20' FROM BACK OF STORAGE)
- 9- WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 8" (2' LONG, 6' GAP)
- 10- DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID
- 11- DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING LINE - 6" SOLID
- 12- PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS
- 13- WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 12"
- 14- WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 16"
- ▲ ONE-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER
- ◄ ONE-WAY CRYSTAL RAISED REFLECTIVE PAVEMENT MARKER
- ◆ TWO-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER



McLEAN CO SECTION 03-00182-00-RS
COLLEGE AVENUE & WHITE OAK ROAD WIDENING

PAVEMENT MARKING PLAN

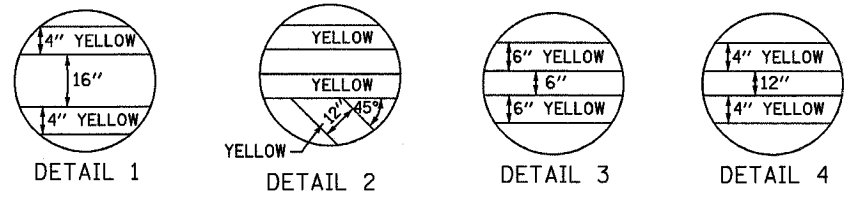
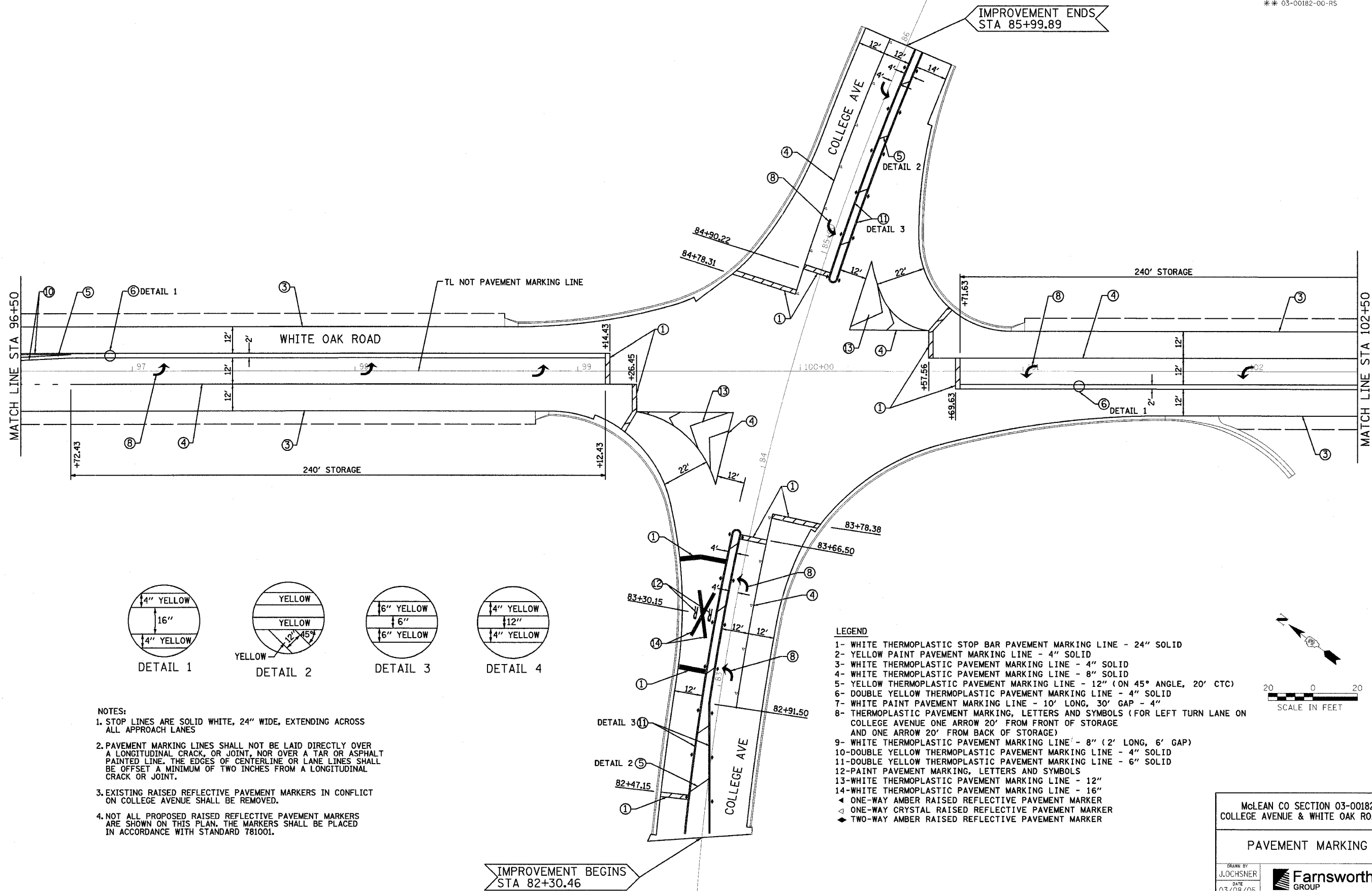
DRAWN BY J. OCHSNER	DATE 03/08/05	CHECKED BY RCD	FILE NO. 24-7482	BOOK NO. 2704	SHEET NO.
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27 09 McGraw Hill
Bloomington, Illinois 61704
800.868-8486 / fax 950.868-1571

REVISED 12/08/05

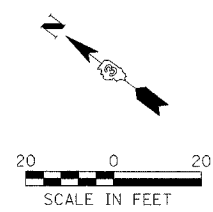
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	21
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

* 6352 - COLLEGE AVENUE
 6385 - WHITE OAK ROAD (C.H. 70)
 ** 03-00182-00-RS



- NOTES:**
1. STOP LINES ARE SOLID WHITE, 24" WIDE, EXTENDING ACROSS ALL APPROACH LANES
 2. PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK, OR JOINT, NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGES OF CENTERLINE OR LANE LINES SHALL BE OFFSET A MINIMUM OF TWO INCHES FROM A LONGITUDINAL CRACK OR JOINT.
 3. EXISTING RAISED REFLECTIVE PAVEMENT MARKERS IN CONFLICT ON COLLEGE AVENUE SHALL BE REMOVED.
 4. NOT ALL PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS ARE SHOWN ON THIS PLAN. THE MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001.

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- 1- WHITE THERMOPLASTIC STOP BAR PAVEMENT MARKING LINE - 24" SOLID
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 - 4- WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 8" SOLID
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 - 7- WHITE PAINT PAVEMENT MARKING LINE - 10' LONG, 30' GAP - 4"
 - 8- THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS (FOR LEFT TURN LANE ON COLLEGE AVENUE ONE ARROW 20' FROM FRONT OF STORAGE AND ONE ARROW 20' FROM BACK OF STORAGE)
 - 9- WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 8" (2' LONG, 6' GAP)
 - 10- DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID
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 - 12- PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS
 - 13- WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 12"
 - 14- WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 16"
 - ▲ ONE-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER
 - △ ONE-WAY CRYSTAL RAISED REFLECTIVE PAVEMENT MARKER
 - ◆ TWO-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER



IMPROVEMENT BEGINS
 STA 82+30.46

IMPROVEMENT ENDS
 STA 85+99.89

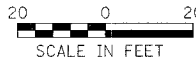
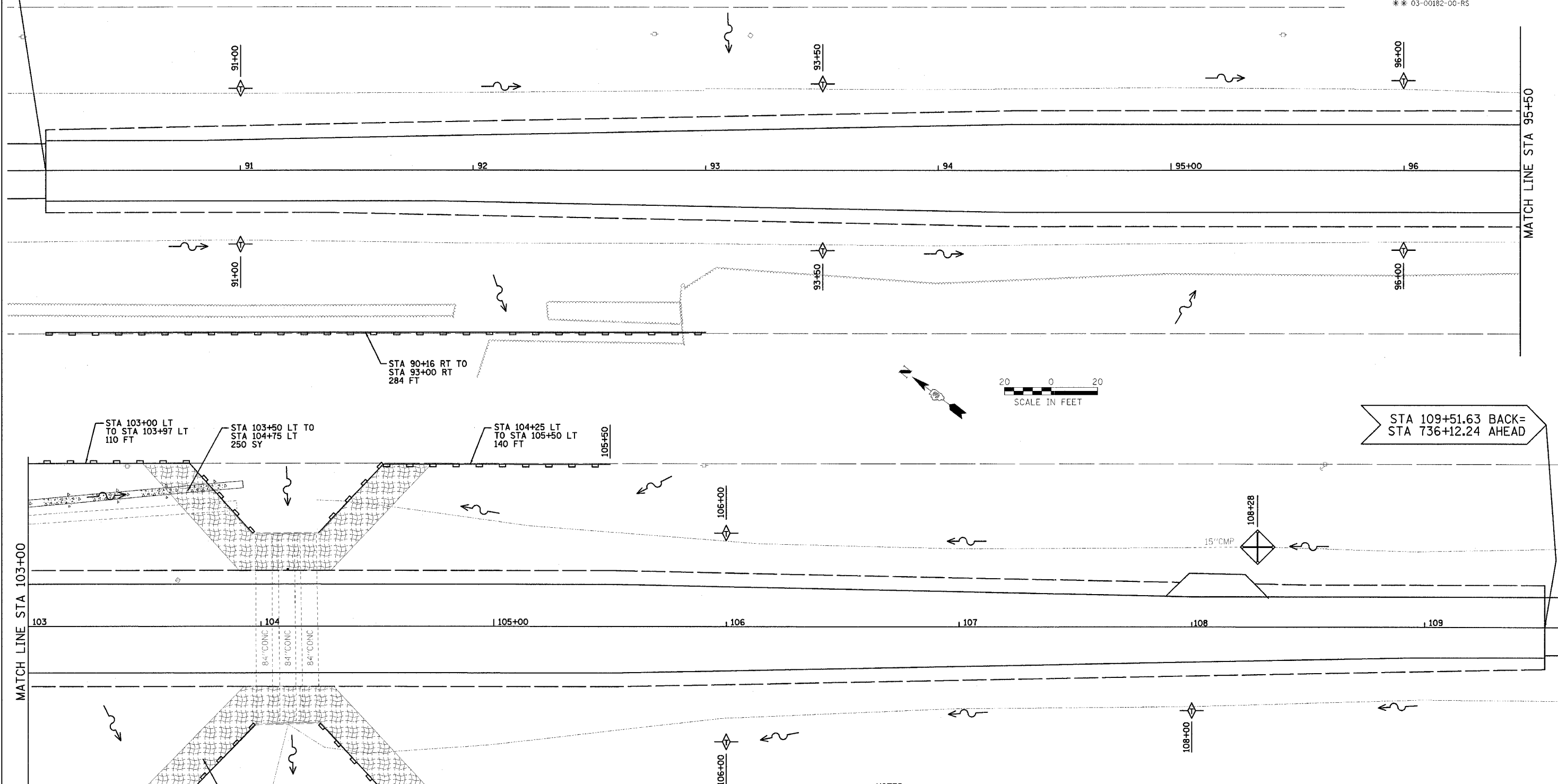
McLEAN CO SECTION 03-00182-00-RS
 COLLEGE AVENUE & WHITE OAK ROAD WIDENING

PAVEMENT MARKING PLAN

DRAWN BY J.OCHSNER	<p>3709 McQuay Drive Bloomington, Illinois 61704 309.903-8438 / fax 309.903-1871</p>	FILE NO. 24-7482
DATE 03/08/05		BOOK NO. 2704
CHECKED BY RGD		SHEET NO.
REVISED 12/08/05		

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	22
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* 6352 - COLLEGE AVENUE 6385 - WHITE OAK ROAD (C.H. 70)				
** 03-00182-00-RS				

STA 90+16.41 AHEAD=
STA 716+77.02 BACK



STA 109+51.63 BACK=
STA 736+12.24 AHEAD

MATCH LINE STA 103+00

MATCH LINE STA 95+50

STA 90+16 RT TO
STA 93+00 RT
284 FT

STA 103+00 LT
TO STA 103+97 LT
110 FT

STA 103+50 LT TO
STA 104+75 LT
250 SY

STA 104+25 LT
TO STA 105+50 LT
140 FT

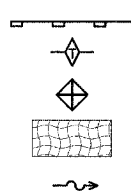
STA 103+00 RT
TO STA 103+97 RT
110 FT

STA 103+50 RT TO
STA 104+75 RT
250 SY

STA 104+25 RT
TO STA 105+50 RT
140 FT

LEGEND

- PERIMETER EROSION CONTROL BARRIER
- TEMPORARY DITCH CHECK
- INLET & PIPE PROTECTION
- EROSION CONTROL BLANKET
- PROPOSED DRAINAGE ARROW



NOTES:

1. THE CONTRACTOR SHALL PROTECT PROPOSED INLETS AND PIPES IMMEDIATELY AFTER THEY ARE CONSTRUCTED UNTIL THE SURFACE'S THAT DRAIN TO THEM ARE PAVED OR FULLY REVEGETATED.
2. THE CONTRACTOR SHALL UTILIZE STRAW BALES IN ACCORD WITH STANDARD 280001-02 FOR PLACEMENT OF TEMPORARY DITCH CHECKS IN DRAINAGEWAYS.
3. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT 100 POUNDS PER ACRE.
4. PERMANENT EROSION CONTROL BLANKET REPLACES MULCH AT ALL END SECTIONS FOR A FOUR FOOT PERIMETER WIDTH, UNLESS AN ALTERNATIVE LINING IS INDICATED.
5. THE MULCH METHOD 2 PAY ITEM SHALL BE REQUIRED FOR FINAL PERMANENT SEEDING, AND USED AS NECESSARY FOR TEMPORARY SEEDING AT EROSION SLOPE AREAS.
6. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL ITEMS SUCH AS DITCH CHECKS AND INLET/PIPE PROTECTION AFTER SEEDING IS FULLY ESTABLISHED. NO COMPENSATION SHALL BE ALLOWED FOR THIS WORK.

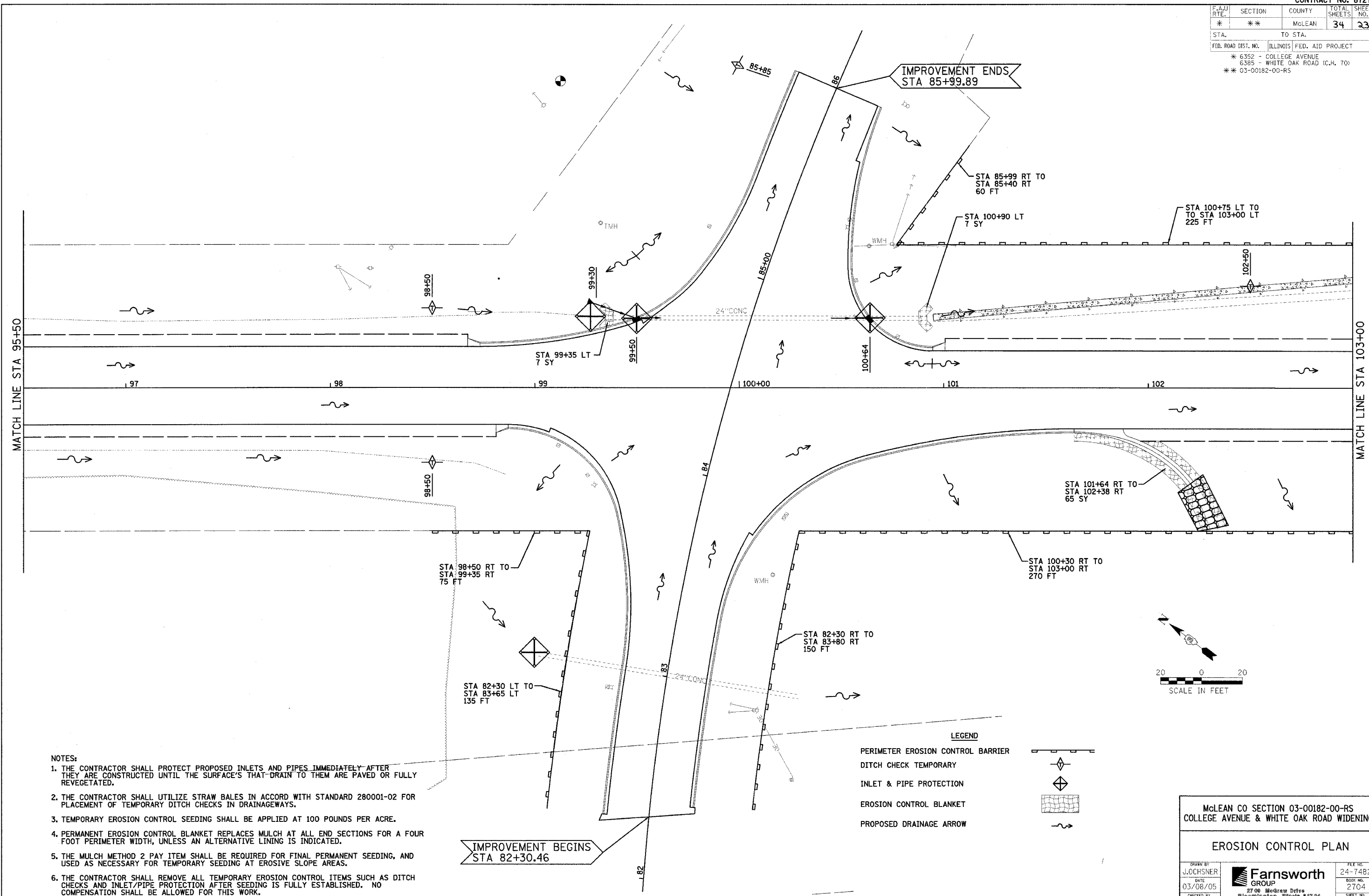
McLEAN CO SECTION 03-00182-00-RS
COLLEGE AVENUE & WHITE OAK ROAD WIDENING

EROSION CONTROL PLAN

DRAWN BY J.OCHSNER	<p>Farnsworth GROUP 2700 McHenry Drive Bloomington, Illinois 61704 800.462.8435 / fax 309.833-1671</p>	FILE NO. 24-7482
DATE 03/08/05		BOOK NO. 2704
CHECKED BY RGD		SHEET NO.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	23

STA. TO STA.
 FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT
 * 6352 - COLLEGE AVENUE
 6385 - WHITE OAK ROAD (C.H. 70)
 ** 03-00182-00-R5

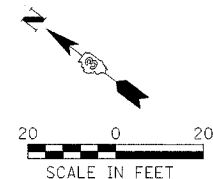


MATCH LINE STA 95+50

MATCH LINE STA 103+00

IMPROVEMENT ENDS
STA 85+99.89

IMPROVEMENT BEGINS
STA 82+30.46



LEGEND

- PERIMETER EROSION CONTROL BARRIER
- DITCH CHECK TEMPORARY
- INLET & PIPE PROTECTION
- EROSION CONTROL BLANKET
- PROPOSED DRAINAGE ARROW

NOTES:

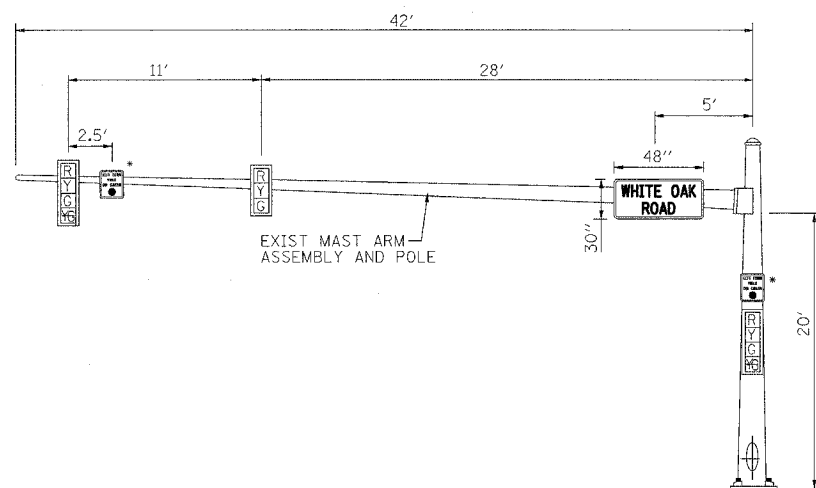
1. THE CONTRACTOR SHALL PROTECT PROPOSED INLETS AND PIPES IMMEDIATELY AFTER THEY ARE CONSTRUCTED UNTIL THE SURFACE'S THAT DRAIN TO THEM ARE PAVED OR FULLY REVEGETATED.
2. THE CONTRACTOR SHALL UTILIZE STRAW BALES IN ACCORD WITH STANDARD 280001-02 FOR PLACEMENT OF TEMPORARY DITCH CHECKS IN DRAINAGEWAYS.
3. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT 100 POUNDS PER ACRE.
4. PERMANENT EROSION CONTROL BLANKET REPLACES MULCH AT ALL END SECTIONS FOR A FOUR FOOT PERIMETER WIDTH, UNLESS AN ALTERNATIVE LINING IS INDICATED.
5. THE MULCH METHOD 2 PAY ITEM SHALL BE REQUIRED FOR FINAL PERMANENT SEEDING, AND USED AS NECESSARY FOR TEMPORARY SEEDING AT EROSION SLOPE AREAS.
6. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL ITEMS SUCH AS DITCH CHECKS AND INLET/PIPE PROTECTION AFTER SEEDING IS FULLY ESTABLISHED. NO COMPENSATION SHALL BE ALLOWED FOR THIS WORK.

McLEAN CO SECTION 03-00182-00-R5
 COLLEGE AVENUE & WHITE OAK ROAD WIDENING

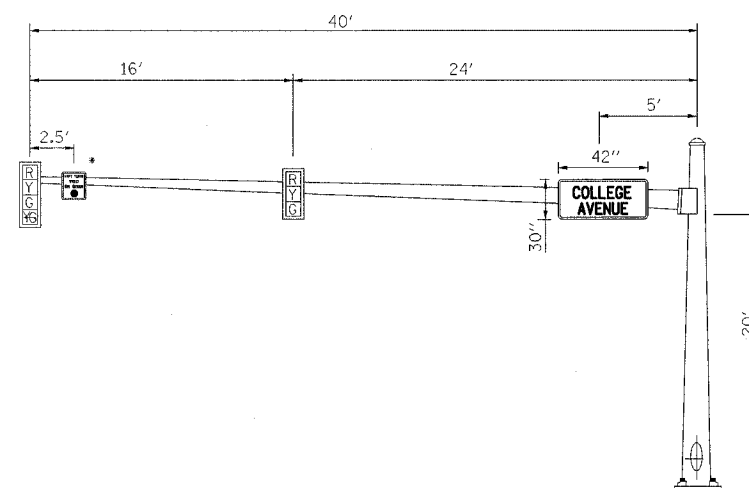
EROSION CONTROL PLAN

DRAWN BY J.OCHSNER	<p>27 99 McGraw Drive Bloomington, Illinois 61704 309.682-8459 / fax 309.682-1571</p>	FILE NO. 24-7482
DATE 03/08/05		BOOK NO. 2704
CHECKED BY RGD		SHEET NO.

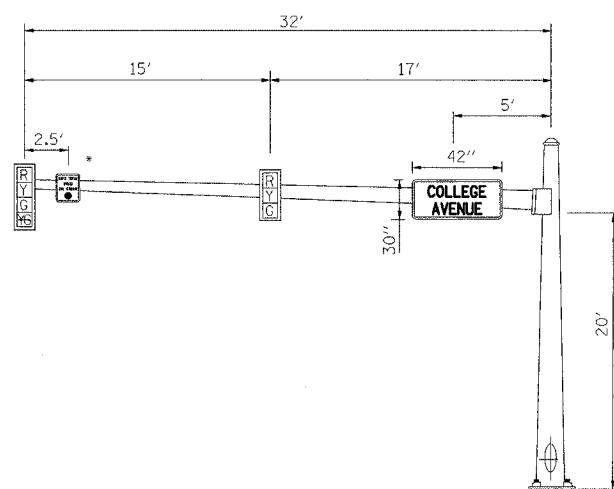
F.A.U. SHEETS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	24
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* 6352 - COLLEGE AVENUE				
* 6385 - WHITE OAK ROAD (C.H. 70)				
** 03-00182-00-R5				



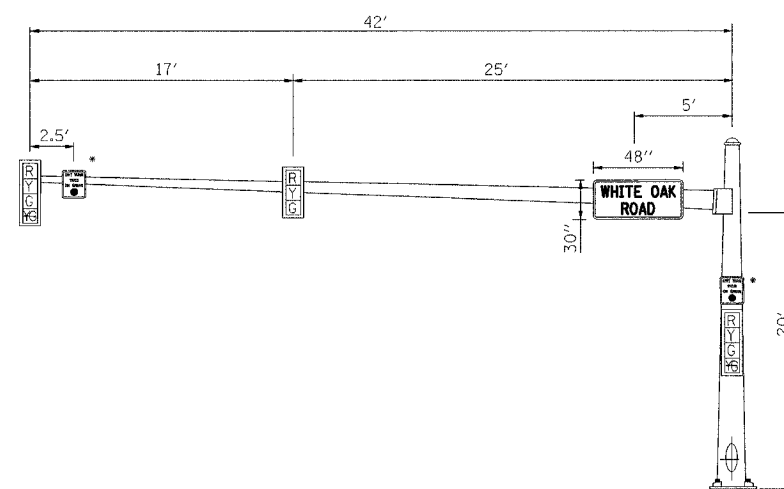
WESTBOUND TRAFFIC SIGNAL
NORTHWEST CORNER OF COLLEGE AVENUE AND WHITE OAK ROAD
EXISTING MAST ARM ASSEMBLY, POLE AND FOUNDATION



SOUTHBOUND TRAFFIC SIGNAL
SOUTHWEST CORNER OF COLLEGE AVENUE AND WHITE OAK ROAD
FOUNDATION DEPTH = 13 FEET



NORTHBOUND TRAFFIC SIGNAL
NORTHEAST CORNER OF COLLEGE AVENUE AND WHITE OAK ROAD
FOUNDATION DEPTH = 11 FEET



EASTBOUND TRAFFIC SIGNAL
SOUTHEAST CORNER OF COLLEGE AVENUE AND WHITE OAK ROAD
FOUNDATION DEPTH = 13 FEET

* SEE CABLE PLAN FOR
DETAIL OF THIS SIGN.

- NOTES:
1. A 72"x 30" STREET SIGN SHALL BE USED FOR CALCULATING MAST ARM LOADING IN LIEU OF THE ACTUAL SIZE SHOWN ON THE DIAGRAM.
 2. DIMENSIONS TO ALL MAST ARM MOUNTED SIGNAL HEADS ARE TO THE CENTER OF THE GREEN SECTION.

McLEAN CO SECTION 03-00182-00-R5
COLLEGE AVENUE & WHITE OAK ROAD WIDENING

MASTARM LOADING DETAILS

DRAWN BY J.OCHSNER	<p>2709 McGraw Drive Bloomington, Illinois 61704 309.502-6435 / fax 309.502-1571</p>	FILE NO. 24-7482
DATE 03/08/05		BOOK NO. 2704
CHECKED BY RGD		SHEET NO.

REVISED 12/08/05

F.A.U. SECTION COUNTY TOTAL SHEET NO.	* * McLEAN 34 25
STA. TO STA.	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	* 6352 - COLLEGE AVENUE 6385 - WHITE OAK ROAD (C.H. 70) * 03-00182-00-RS

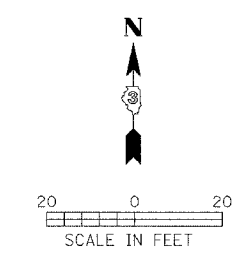
- TRAFFIC SIGNAL GENERAL NOTES:
1. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION (I.U.L.I.E. 800-829-0123). THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY, INCIDENTAL TO THE CONDUIT PAY ITEM.
 2. EXACT SIGNAL LOCATION MAY BE MODIFIED IN THE FIELD TO AVOID EXISTING UTILITIES, AS APPROVED BY THE CITY ENGINEER.
 3. ALL SIGNAL BASES SHALL BE LOCATED A MINIMUM OF 6 FEET FROM THE FACE OF CURB UNLESS APPROVED OTHERWISE BY THE CITY ENGINEER.
 4. ALL MAST ARM POLES 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 AND IS 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.
 5. A #10 STRANDED COPPER WIRE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER AS INCIDENTAL TO THE RESPECTIVE CONDUIT PAY ITEM.
 6. DRILLING HOLES THROUGH EXISTING CURB AND GUTTER, INSERTING CONDUIT AND FILLING WITH APPROVED SEALER FOR DETECTION LOOPS IS INCIDENTAL TO THE DETECTOR LOOP PAY ITEM.
 7. ALL THREADS OF 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. ALL LUBRICANTS USED FOR THREADS SHALL BE APPROVED BY THE CITY OF BLOOMINGTON ENGINEERING DEPARTMENT.
 8. THE SIZES OF ALL LENSES SHALL BE 12" UNLESS OTHERWISE NOTED.
 9. ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER.
 10. ALL BRACKET MOUNTED HEADS SHALL BE MOUNTED ON SIDE OF POLE AS APPROVED BY THE ENGINEER IN ORDER TO MINIMIZE VEHICLE DAMAGE.
 11. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE 14 GAUGE SOLID, SOFT COPPER.
 12. ALL DETECTOR LOOP AMPLIFIERS SHALL BE BACK MOUNTED AND SHALL BE LABELED ON THE EDGE OF THE SHELF BELOW THE AMPLIFIER WITH THEIR RESPECTIVE DIRECTIONS, PHASES, LOOP TERMINALS AND CONTROLLER INPUTS. ALL DETECTOR AMPLIFIERS SHALL HAVE A 2 CHANNEL RACK INCLUDED IN THE COST OF THE INDUCTIVE LOOP DETECTOR PAY ITEM.
 13. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL SIGNAL COMPONENTS TO THE CITY OF BLOOMINGTON FOR APPROVAL PRIOR TO ORDERING.
 14. THE TOWN ENGINEER AND DIRECTOR OF ENGINEERING SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO SIGNAL TURN ON.
 15. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON, INCIDENTAL TO THE INDUCTIVE LOOP DETECTOR PAY ITEM.
 16. ALL LED SIGNAL LENSES SHALL BE OF THE SAME TYPE, DESIGN, ETC. AND BE FROM THE SAME MANUFACTURER FOR ANY GIVEN INTERSECTION.
 17. THE OWNER RESERVES THE RIGHT TO CANCEL ANY TURN ON IF IT DEEMS THE SITUATION UNSAFE FOR REASONS SUCH AS BAD WEATHER, PEAK HOUR TRAFFIC CONDITIONS, ETC.
 18. BACKPLATES SHALL BE POLYCARBONATE WITH A DEEP BACK FLANGE.
 19. ALL CONDUIT IN TRENCH SHALL BE PVC. ALL CONDUIT PUSHED MAY BE GALVANIZED STEEL OR PVC. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
 20. GROUND RODS SHALL BE SOLID COPPER ALLOY OR COPPER CLAD STEEL. GROUNDING ROD SHALL BE PLACED IN DOUBLE HANDHOLE.
 21. THE LENGTH OF DETECTOR LOOP CABLE FROM THE CURB TO THE HANDHOLE IS INCIDENTAL TO THE DETECTOR LOOP PAY ITEM.
 22. THE CONTRACTOR SHALL PROVIDE 3 FEET OF SLACK CABLE IN EACH TRAFFIC SIGNAL STRUCTURE MAST ARM, POST, CONTROLLER.
 23. THE SLACK, WHICH IS IN ADDITION TO THE VERTICAL LENGTH OF CABLE DEFINED IN THE SPECIFICATIONS, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT OF CABLE.
 24. LOOPS IN THE SAME LANE SHALL BE WOUND ALTERNATELY CLOCKWISE AND COUNTER-CLOCKWISE. LOOPS IN ADJACENT LANES SHALL BE WOUND IN THE SAME DIRECTION AS THE LOOP IN THE ADJACENT LANE.
 25. THE CONDUITS SHOWN CONNECTING THE BACK OF CURB TO THE ROADSIDE HANDHOLE SHALL BE 1 1/4" TRENCHED PVC AND SHALL CONTAIN ONLY ONE DETECTOR LOOP CABLE.
 26. THE YELLOW AND GREEN LED ARROW SECTIONS SHALL HAVE THREE ROWS OF LED IN LIEU OF TWO ROWS.

ALL EXISTING SIGNAL HEADS ARE TO BE REMOVED

EXISTING WESTBOUND FAR DETECTOR LOOPS ARE TO REMAIN.

LEGEND
PROPOSED

- ◄+ SIGNAL HEAD WITH BACKPLATE
- ◄ STEEL COMBINATION MAST ARM
- TRAFFIC SIGNAL POST
- ◻ DETECTOR LOOP



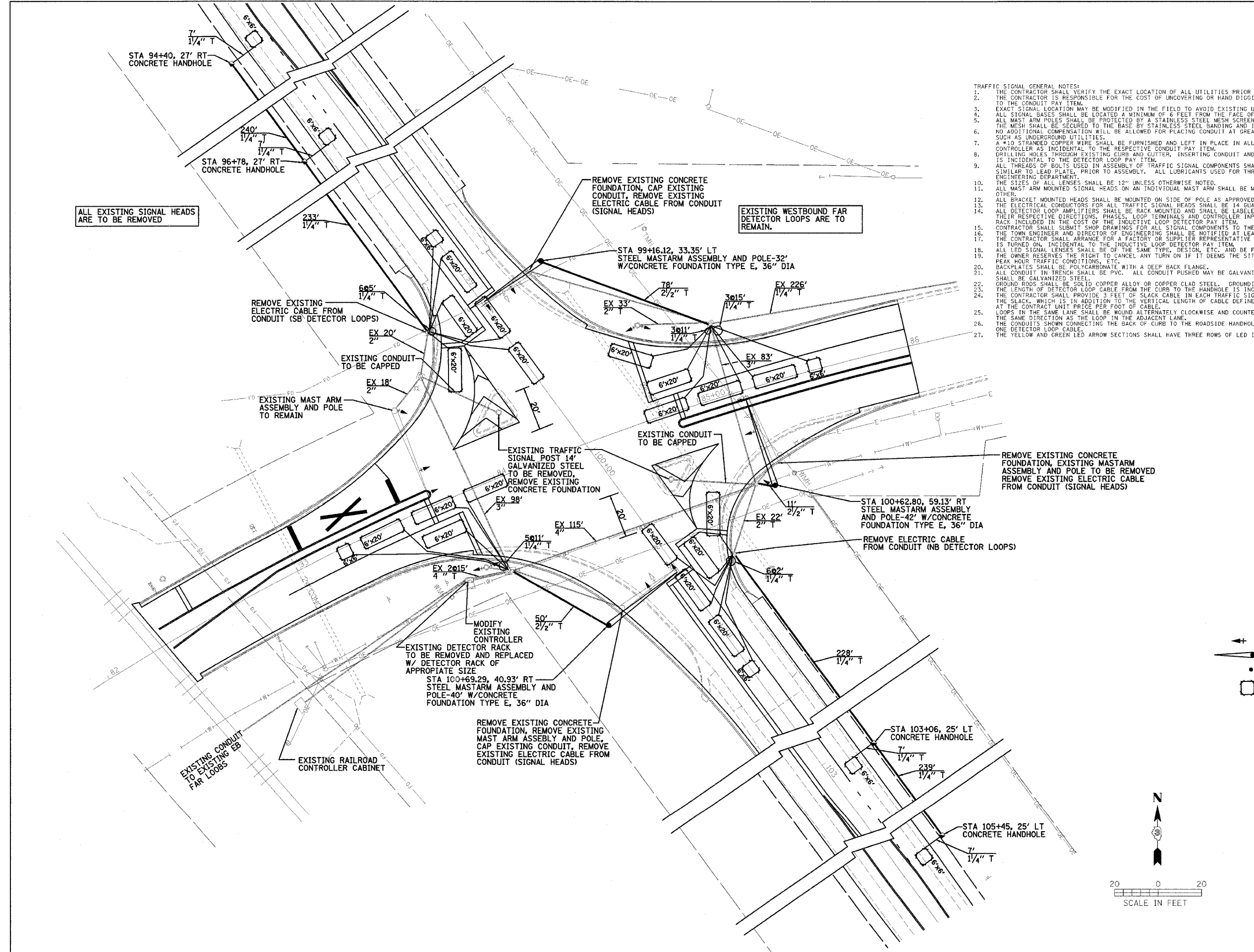
McLEAN CO SECTION 03-00182-00-RS
COLLEGE AVENUE & WHITE OAK ROAD WIDENING

SIGNAL PLAN

DRAWN BY J.OCHSNER	FILE NO. 24-7482
DATE 03/08/05	BOOK NO. 2704
CHECKED BY RGD	SHEET NO.

27th & McGraw Drive
Bloomington, Illinois 61704
800.888.8486 / fax 900.888.1571

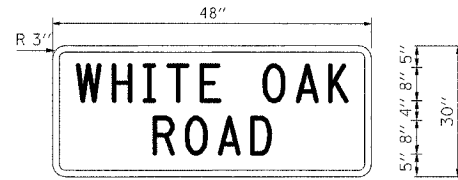
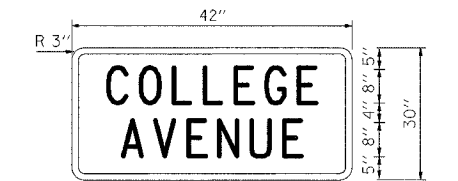
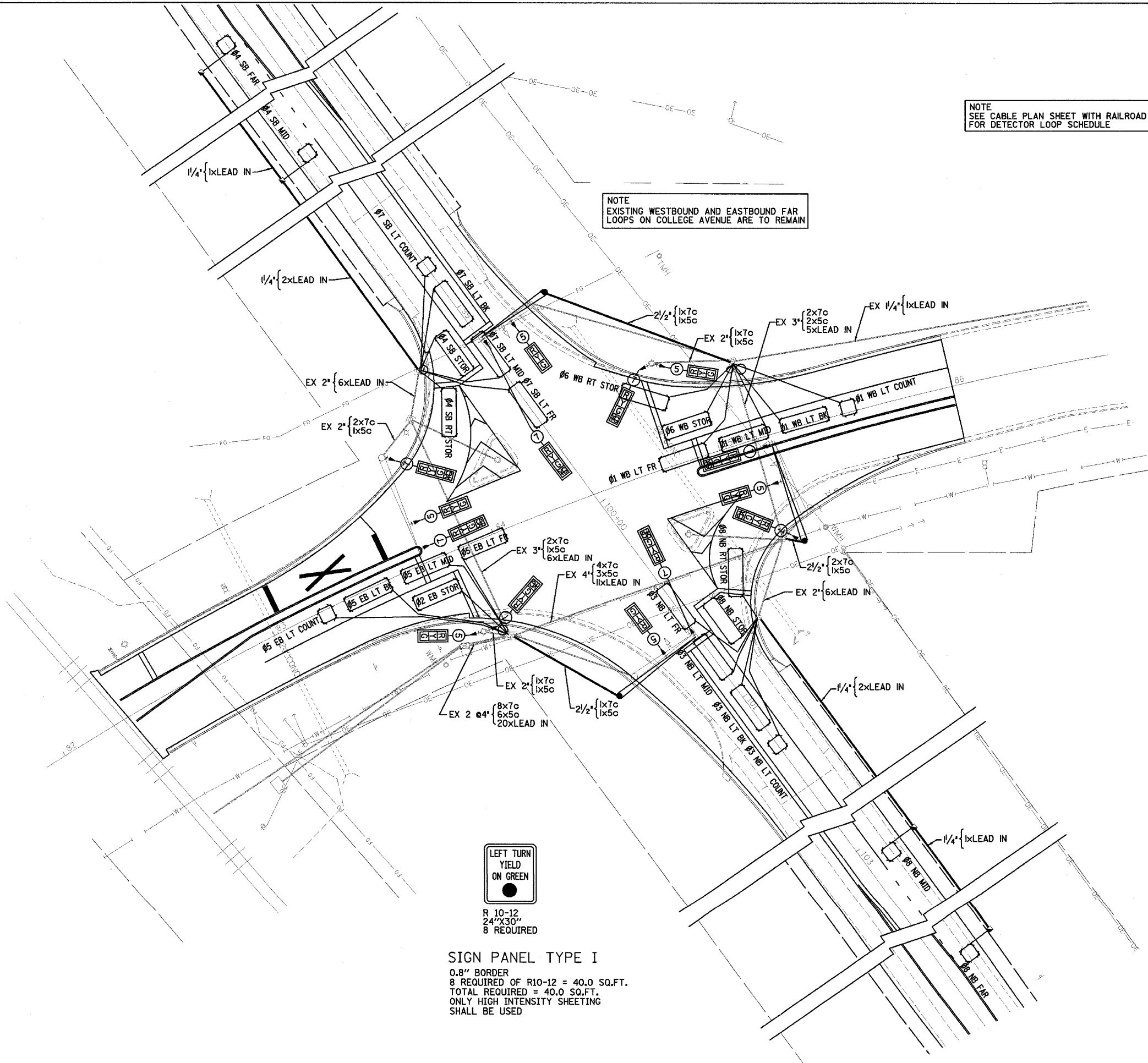
REVISED 12/08/05



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	26
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* 6352 - COLLEGE AVENUE				
* 6385 - WHITE OAK ROAD (C.H. 70)				
** 03-00182-00-RS				

NOTE
SEE CABLE PLAN SHEET WITH RAILROAD PREEMPTION
FOR DETECTOR LOOP SCHEDULE

NOTE
EXISTING WESTBOUND AND EASTBOUND FAR
LOOPS ON COLLEGE AVENUE ARE TO REMAIN



SIGN PANEL TYPE II

0.8" BORDER
2 REQUIRED OF COLLEGE AVENUE = 17.5 SQ.FT.
2 REQUIRED OF WHITE OAK ROAD = 20.0 SQ.FT.
TOTAL REQUIRED = 37.5 SQ.FT.
8" SERIES 'D' LETTERS
MAST ARM MOUNTED
ONLY HIGH INTENSITY SHEETING SHALL BE USED

CABLE PLAN LEGEND

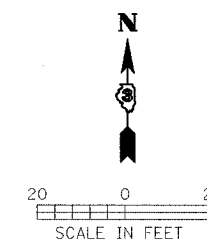
- ☐ #5 NB LT FR DENOTES PHASE 5, NORTH BOUND LEFT LANE, FRONT LOOP AT INTERSECTION
- ☐ CONTROLLER CABINET
- ☐ SERVICE INSTALLATION
- ☐ #5 NB LT FR VEHICLE DETECTOR, INDUCTION LOOP
- ⑦ DENOTES NUMBER OF CONDUCTORS. ALL LOOP DETECTOR CABLES TO BE SHIELDED. ALL CABLE TO BE NO. 14 EXCEPT AS INDICATED.
- ☐ SIGNAL FACE WITH BACKPLATE
- 2" { 2X5C DENOTES 2 WIRES 5 CONDUCTOR EACH IN 2" CONDUIT
- EXISTING CONDUIT
- PVC CONDUIT
- ☛ STEEL COMBINATION MAST ARM AND ASSEMBLY



R 10-12
24"X30"
8 REQUIRED

SIGN PANEL TYPE I

0.8" BORDER
8 REQUIRED OF R10-12 = 40.0 SQ.FT.
TOTAL REQUIRED = 40.0 SQ.FT.
ONLY HIGH INTENSITY SHEETING
SHALL BE USED



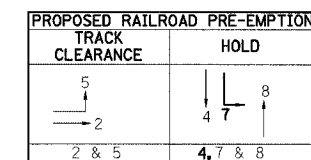
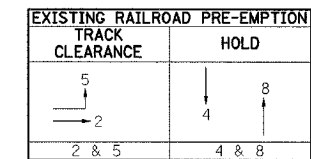
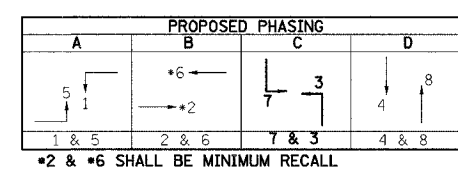
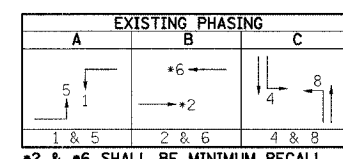
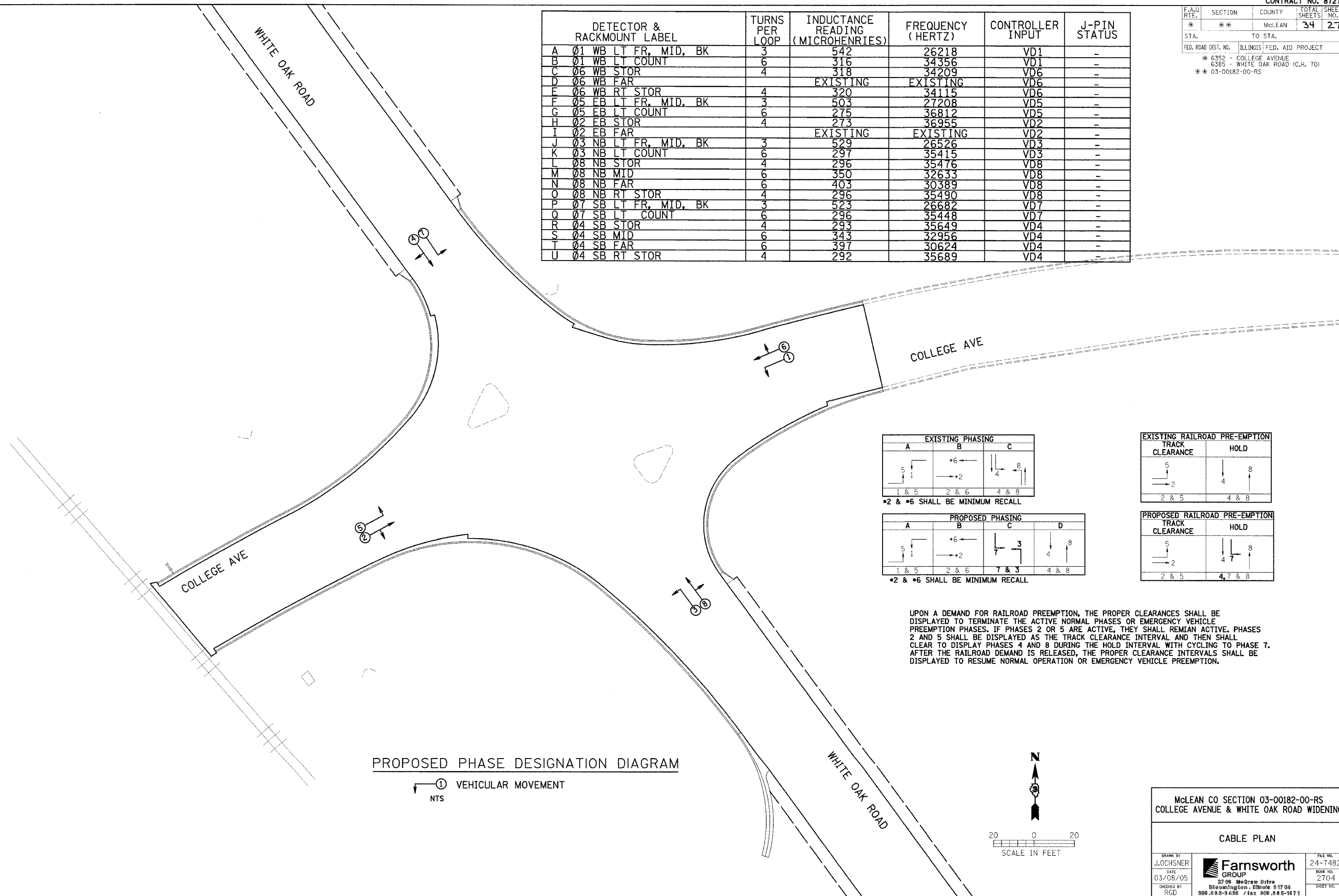
McLEAN CO SECTION 03-00182-00-RS
COLLEGE AVENUE & WHITE OAK ROAD WIDENING

CABLE PLAN

DRAWN BY J. OCHSNER	<p>2709 McBrear Drive Bloomington, Illinois 61704 309.888-8486 / Fax 309.888-1571</p>	FILE NO. 24-7482
DATE 03/08/05		BOOK NO. 2704
CHECKED BY RGD		SHEET NO.

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	27
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* 6352 - COLLEGE AVENUE				
6385 - WHITE OAK ROAD (C.H. 70)				
** 03-00182-00-RS				

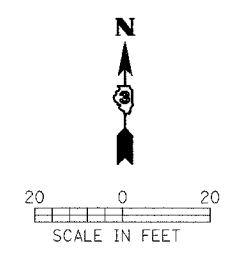
DETECTOR & RACKMOUNT LABEL	TURNS PER LOOP	INDUCTANCE READING (MICROHENRIES)	FREQUENCY (HERTZ)	CONTROLLER INPUT	J-PIN STATUS
A 01 WB LT FR, MID, BK	3	542	26218	VD1	-
B 01 WB LT COUNT	6	316	34356	VD1	-
C 06 WB STOR	4	318	34209	VD6	-
D 06 WB FAR		EXISTING	EXISTING	VD6	-
E 06 WB RT STOR	4	320	34115	VD6	-
F 05 EB LT FR, MID, BK	3	503	27208	VD5	-
G 05 EB LT COUNT	6	275	36812	VD5	-
H 02 EB STOR	4	273	36955	VD2	-
I 02 EB FAR		EXISTING	EXISTING	VD2	-
J 03 NB LT FR, MID, BK	3	529	26526	VD3	-
K 03 NB LT COUNT	6	297	35415	VD3	-
L 08 NB STOR	4	296	35476	VD8	-
M 08 NB MID	6	350	32633	VD8	-
N 08 NB FAR	6	403	30389	VD8	-
O 08 NB RT STOR	4	296	35490	VD8	-
P 07 SB LT FR, MID, BK	3	523	26682	VD7	-
Q 07 SB LT COUNT	6	296	35448	VD7	-
R 04 SB STOR	4	293	35649	VD4	-
S 04 SB MID	6	343	32956	VD4	-
T 04 SB FAR	6	397	30624	VD4	-
U 04 SB RT STOR	4	292	35689	VD4	-



UPON A DEMAND FOR RAILROAD PREEMPTION, THE PROPER CLEARANCES SHALL BE DISPLAYED TO TERMINATE THE ACTIVE NORMAL PHASES OR EMERGENCY VEHICLE PREEMPTION PHASES. IF PHASES 2 OR 5 ARE ACTIVE, THEY SHALL REMAIN ACTIVE. PHASES 2 AND 5 SHALL BE DISPLAYED AS THE TRACK CLEARANCE INTERVAL AND THEN SHALL CLEAR TO DISPLAY PHASES 4 AND 8 DURING THE HOLD INTERVAL WITH CYCLING TO PHASE 7. AFTER THE RAILROAD DEMAND IS RELEASED, THE PROPER CLEARANCE INTERVALS SHALL BE DISPLAYED TO RESUME NORMAL OPERATION OR EMERGENCY VEHICLE PREEMPTION.

PROPOSED PHASE DESIGNATION DIAGRAM

① VEHICULAR MOVEMENT
NTS

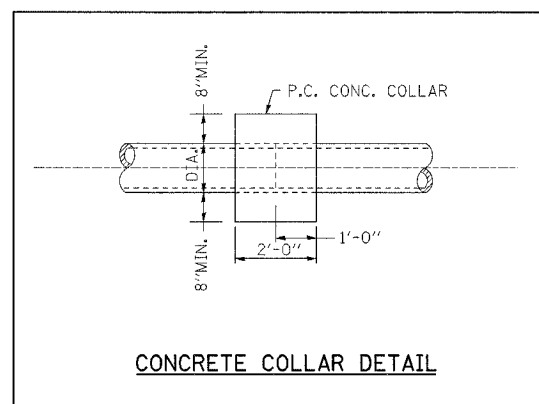
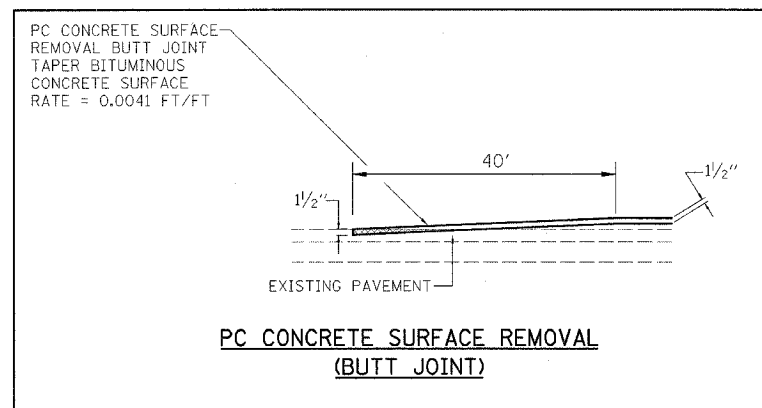
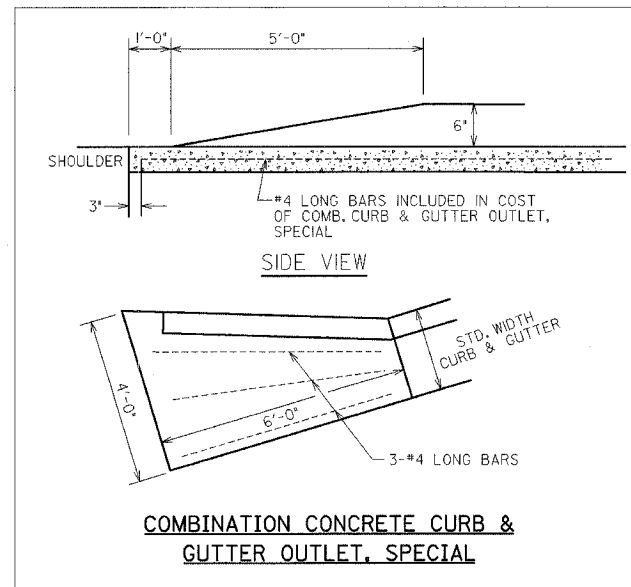


McLEAN CO SECTION 03-00182-00-RS
COLLEGE AVENUE & WHITE OAK ROAD WIDENING

CABLE PLAN

DRAWN BY J.OCHSNER	<p>2709 McGraw Drive Bloomington, Illinois 61704 800.888.9486 / fax 309.888-1671</p>	FILE NO. 24-7482
DATE 03/08/05		BOOK NO. 2704
CHECKED BY RGD		SHEET NO.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 6352 - COLLEGE AVENUE				
* 6385 - WHITE OAK ROAD (C.H. 70)				
** 03-00182-00-RS				



LEGEND

EXISTING

- IRON ROD
- BENCHMARK
- ▽ MAILBOX
- ▽ SIGN
- TREE/BUSH
- EVERGREEN TREE
- STREET LIGHT
- ↑ POWER POLE
- ↑ DOWN GUY
- ⊠ ELECTRIC BOX
- ⊠ TRAFFIC SIGNAL COMBINATION MASTARM
- ⊠ TRAFFIC SIGNAL
- ⊠ TRAFFIC JUNCTION BOX
- ⊠ WOOD POST
- ⊠ HANDHOLE
- ⊠ UNDERGROUND ELECTRIC BOX
- ⊠ UNDERGROUND TELEPHONE BOX
- ⊠ YARD SPRINKLER
- ⊠ FIRE HYDRANT
- ⊗ WATER VALVE
- ⊗ GAS VALVE
- ⊠ INLET
- ⊠ MANHOLE
- ▽ FLARED END SECTION
- RIGHT OF WAY LINE
- x-x-x-x-x FENCE
- ~ BUSH ROW
- 10'-3" SS- STORM SEWER
- W- WATERMAIN
- OE-OE- OVERHEAD ELECTRIC
- G- GASMAIN

PROPOSED

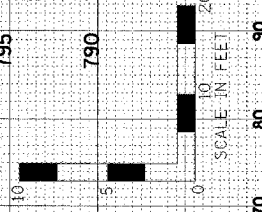
- P845.00 EDGE OF PAVEMENT ELEVATION
- TBF TRENCH BACKFILL
- TC TOP OF CURB
- COMB. CURB & GUTTER TO BE REMOVED
- ▨ PAVEMENT TO BE REMOVED
- ===== COMB. CONCRETE CURB & GUTTER TYPE B6.18
- ▩ CURB DRAINAGE STRUCTURE

McLEAN CO SECTION 03-00182-00-RS
COLLEGE AVENUE & WHITE OAK ROAD WIDENING

MISCELLANEOUS DETAILS
& LEGEND

DRAWN BY J.OCHSNER	<p>2700 McGraw Drive Bloomington, Illinois 61704 309.888-8888 / fax 309.888-1871</p>	FILE NO. 24-7482
DATE 03/08/05		BOOK NO. 2704
CHECKED BY RGD		SHEET NO.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	29
STA. 89+00		TO STA. 93+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* 6352 COLLEGE AVENUE				
* 6385 WHITE OAK ROAD (C.H. 70)				
** 03-00182-00-RS				

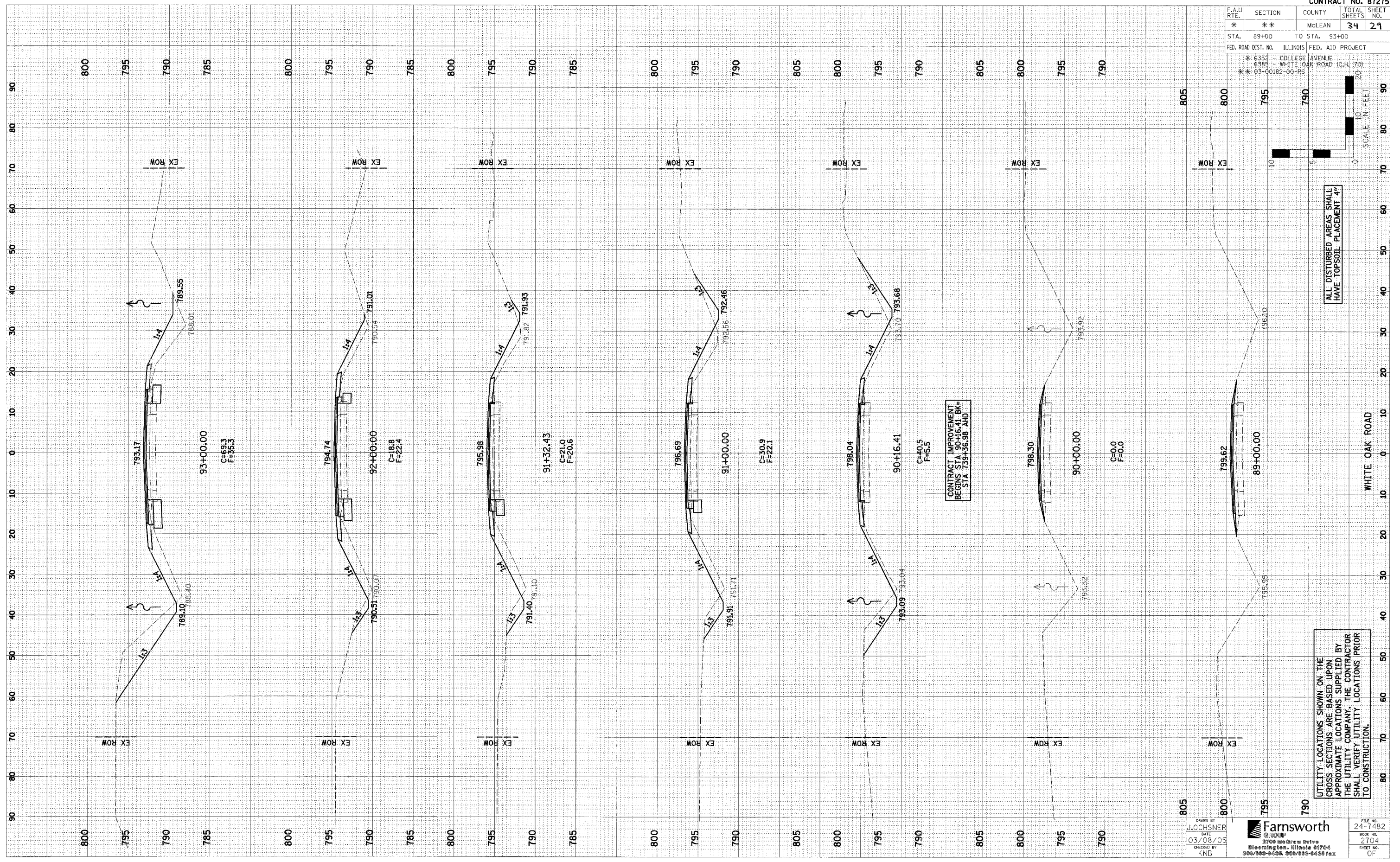


ALL DISTURBED AREAS SHALL HAVE TOPSOIL PLACEMENT 4"

UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

FINISH	DATE
REVISIONS	BY
SURVEY	DATE
NOTED	DATE
PLOTTED	DATE
TEMPLATE	DATE
AREAS CHECKED	DATE

ORIGINAL	DATE
REVISIONS	BY
SURVEY	DATE
NOTED	DATE
PLOTTED	DATE
TEMPLATE	DATE
AREAS CHECKED	DATE



DRAWN BY: JOCHSNER
DATE: 03/08/05
CHECKED BY: KNB

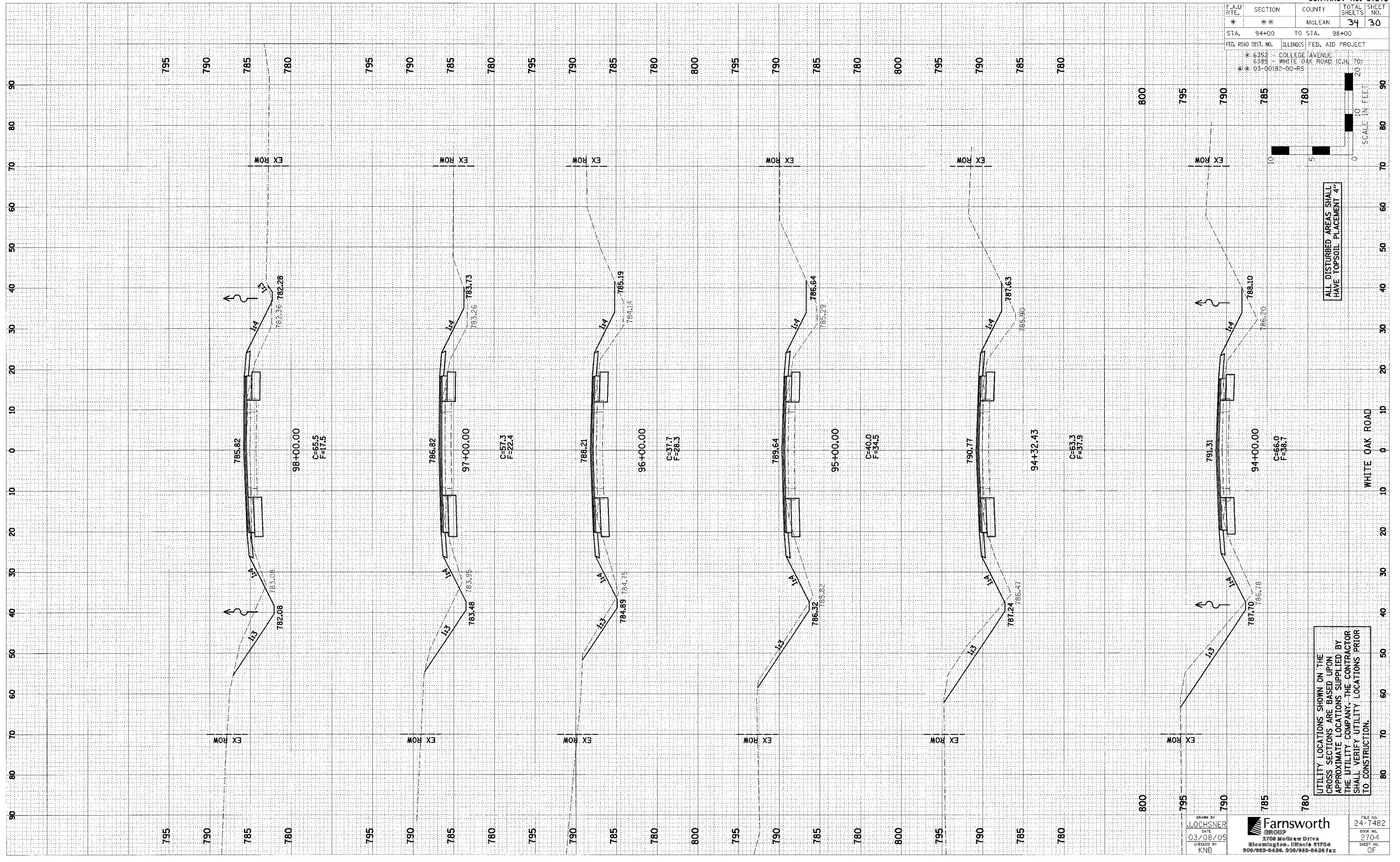
Farnsworth
2700 West Drive
Bloomington, Illinois 61704
309/882-8438, 309/882-8438 fax

FILE NO. 24-7482
BOOK NO. 2704
SHEET NO. 29 OF 34

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MCLEAN	34	30
STA. 94+00		TO STA. 98+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 6353		COLLEGE AVENUE		
* 6389		WHITE OAK ROAD		
** 03-00182-00-R5				

FILE NO.	DATE	BY

ORIGINAL SURVEY	DATE	BY

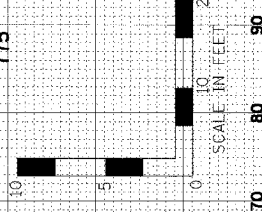


ALL DISTURBED AREAS SHALL HAVE TOPSOIL PLACEMENT 4"

UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

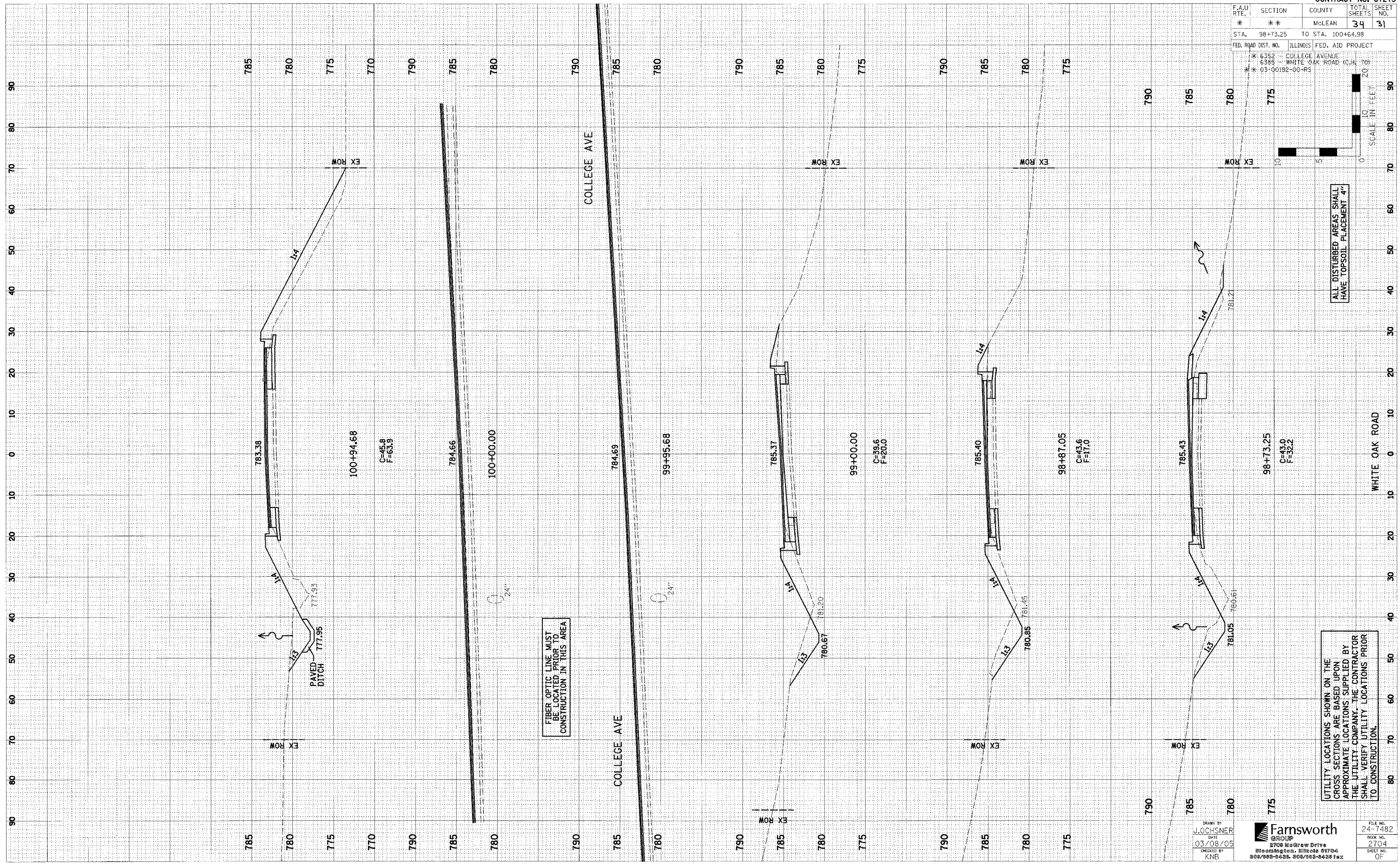
DRAWN BY LOCHSNER DATE 03/08/05 CHECKED BY KND	Farnsworth GROUP 2700 McGraw Drive Bloomington, Illinois 61704 309/933-8436, 309/933-8438 fax	FILE NO. 24-7482 BOOK NO. 2704 SHEET NO. OF
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	31
STA. 98+73.25 TO STA. 100+64.98				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 6382	COLLEGE AVENUE			
* 6385	WHITE OAK ROAD (C.H. 70)			
* 03-00182-00-RS				



FINAL	DATE	BY
CHECKED		
SURVEY		
NOTE BOOK		
EXPL. PLATE		
AREAS		
CHECKED		

ORIGINAL	DATE	BY
CHECKED		
SURVEY		
NOTE BOOK		
EXPL. PLATE		
AREAS		
CHECKED		



UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

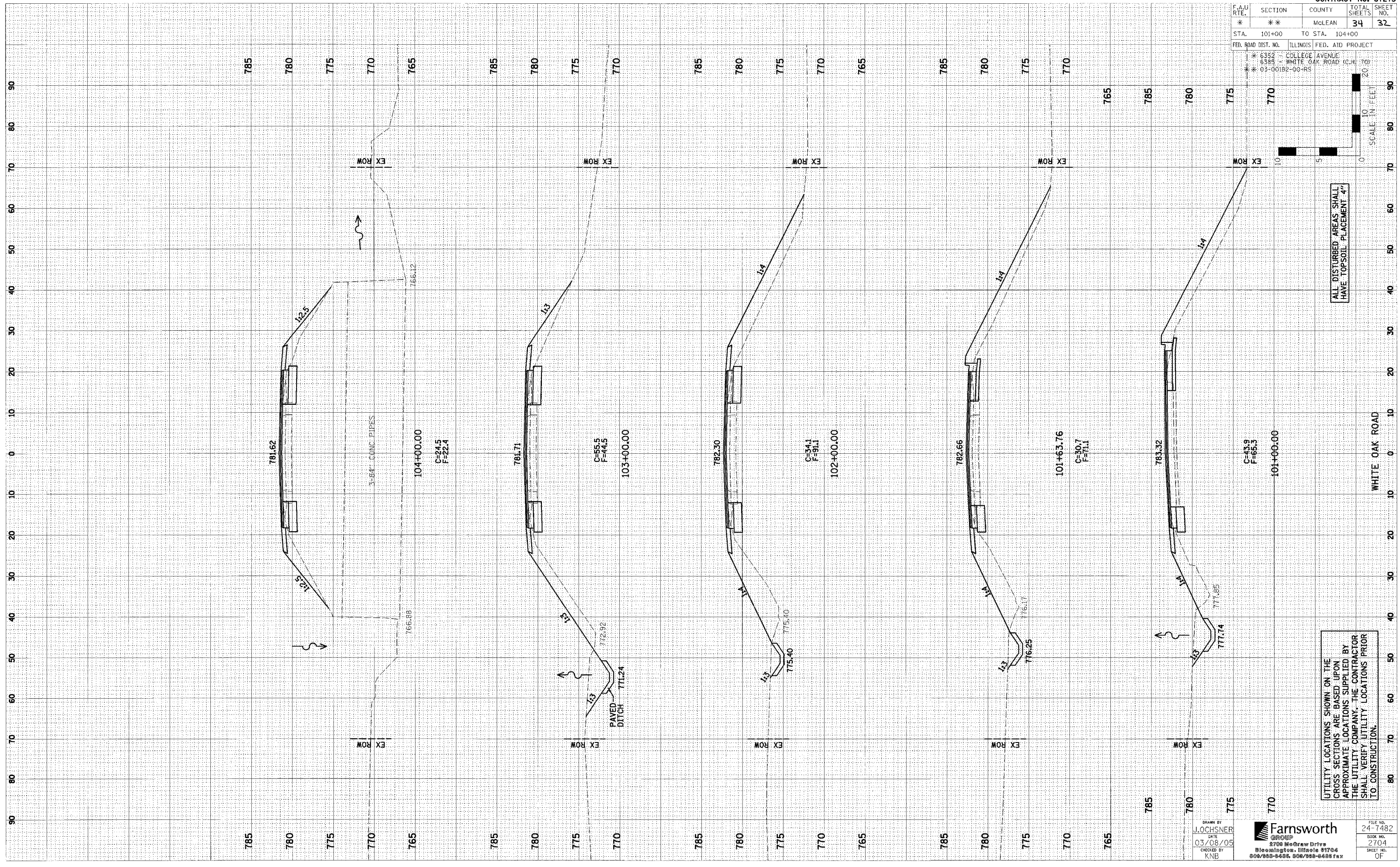
DRAWN BY: J. JOCHSNER
 DATE: 03/08/05
 CHECKED BY: KNE
Farnsworth GROUP
 2708 NewBrew Drive
 Bloomington, Illinois 61704
 309/899-9495, 800/868-9488 fax

FILE NO.	24-7482
BOOK NO.	2704
SHEET NO.	OF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	32
STA.	101+00	TO STA.	104+00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
	* 6352	COLLEGE AVENUE		
	* 6385	WHITE OAK ROAD		
	* 02-00182-00-RS			

FINAL SURVEY	DATE
NO. _____	BY _____
NO. _____	DATE _____

ORIGINAL SURVEY	DATE
NO. _____	BY _____
NO. _____	DATE _____



ALL DISTURBED AREAS SHALL HAVE TOPSOIL PLACEMENT 4"

UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

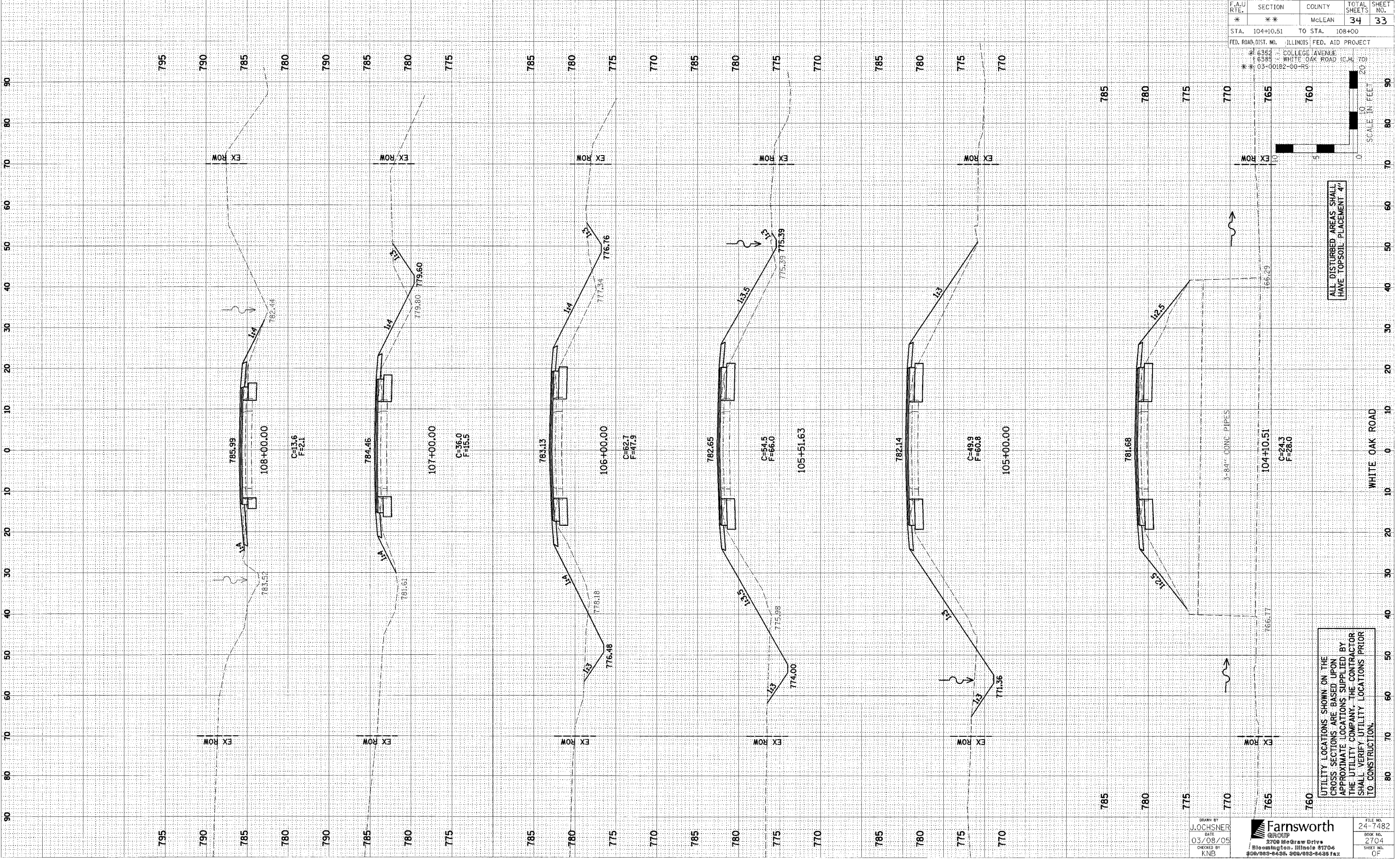
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	McLEAN	34	33

STA. 104+10.51 TO STA. 108+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 * 6382 - COLLEGE AVENUE
 * 6385 - WHITE OAK ROAD (C.H. TO)
 * 03-00182-00-RS

FILE NO.	DATE	BY
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		

ORIGINAL	DATE	BY
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		



ALL DISTURBED AREAS SHALL HAVE TOPSOIL PLACEMENT 4"

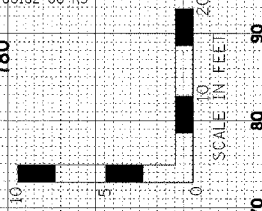
UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

DRAWN BY
J. OCHSNER
DATE
03/08/05
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KNB

Farnsworth GROUP
 2700 McGraw Drive
 Bloomington, Illinois 61704
 309/555-6435 309/555-6439 fax

FILE NO.
24-7482
BOOK NO.
2704
SHEET NO.
OF

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MCLEAN	34	34
STA. 108+10.93 TO STA. 110+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* 6352 - COLLEGE AVENUE				
* 6385 - WHITE OAK ROAD I.C.H. 700				
** 03-00182-06-RS				



ALL DISTURBED AREAS SHALL HAVE TOPSOIL PLACEMENT 4"

UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

FINAL SURVEY NOTE BOOK NO.	DATE
REVISIONS	BY
PLOTTED	
TEMPLATE	
AREAS CHECKED	

ORIGINAL SURVEY NOTE BOOK NO.	DATE
REVISIONS	BY
PLOTTED	
TEMPLATE	
AREAS CHECKED	

