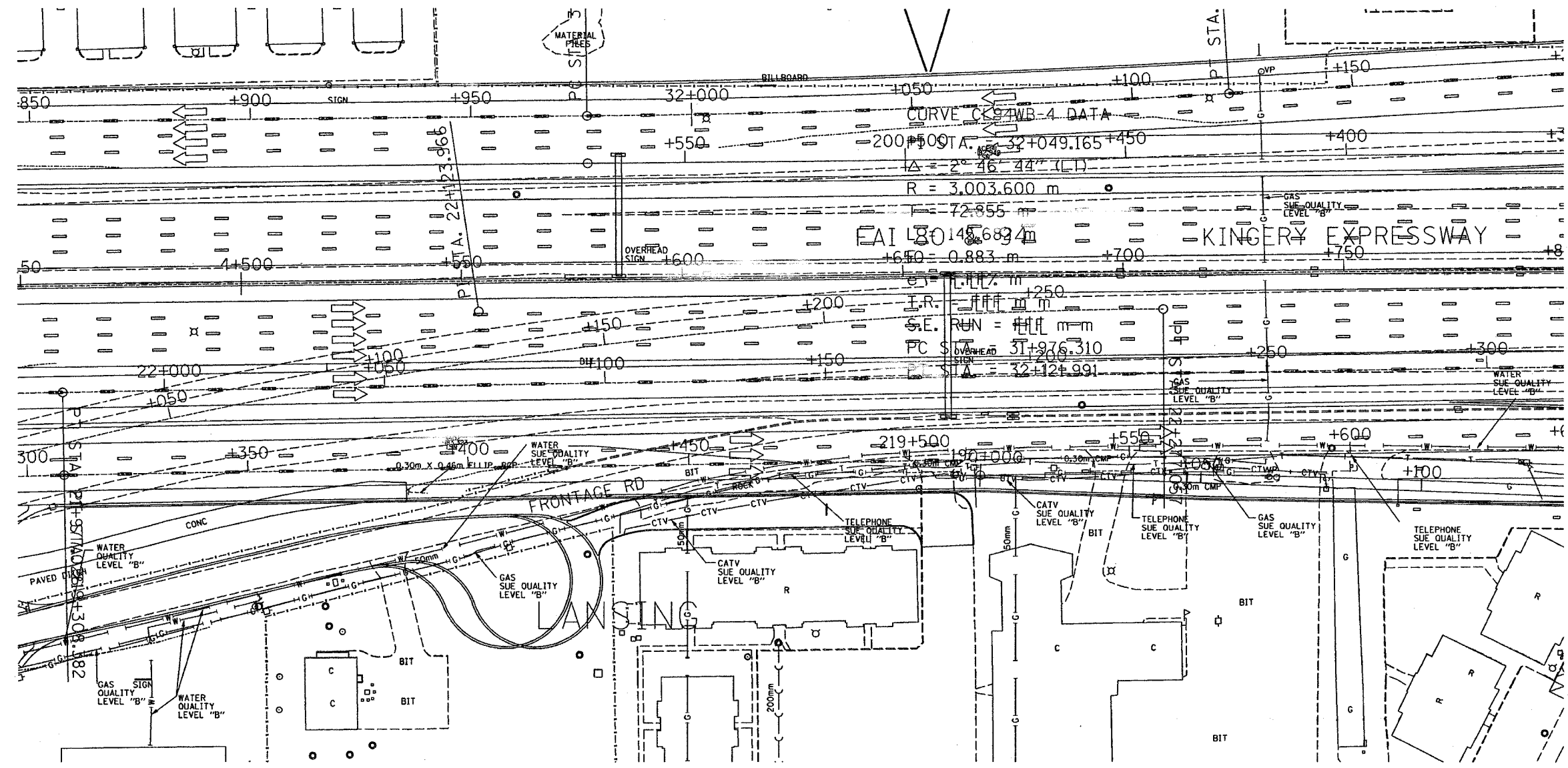


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	SEE BELOW	COOK	231	101
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		



— T — T —	TELEPHONE
— W — W —	WATER
— G — G —	GAS
— CTV — CTV —	CABLE TELEVISION
— FO — FO —	FIBER OPTIC
— E — E —	ELECTRIC

TBE GROUP, INC.
 CIVIL ENGINEERING • TRANSPORTATION • ENVIRONMENTAL
 PLANNING • UTILITY ENGINEERING/LOCATING
 SOUTHERN REGION: FL, GA, SC, NC
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY
 PA, VA, CANADA
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500122
 TBE SUE PAGE NO: 28 of 52
 Signature *[Handwritten Signature]*
 SUE Quality Level "A" : Test Holes
 SUE Quality Level "B" : Designating



205 W. WACKER DRIVE
 SUITE 1020
 CHICAGO, IL 60606
 (312) 704-1970

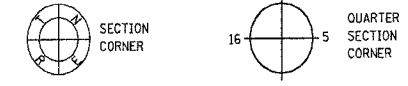
Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards as of 2/8/02.
 All other information shown has been provided to TBE Group, Inc by others.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		E. of IL RT. 83/US RT. 6 to E. Burnham Ave.
		I-80/I-94 Burnham Ave. to State Line
		I-80/I-94 (Railway) E. of I-94 to W. of RT. 83/US 6.
		I-94/IL RT. 394 S. of US 6 to 186th Street (Inbound & S. bound)
		Contract No. 62110, 62111, 62114, 62105, 62107, 62108
		SCALE : 500 DRAWN BY : JAC
		SOL "B" DATE : 2/8/02 CHECKED BY

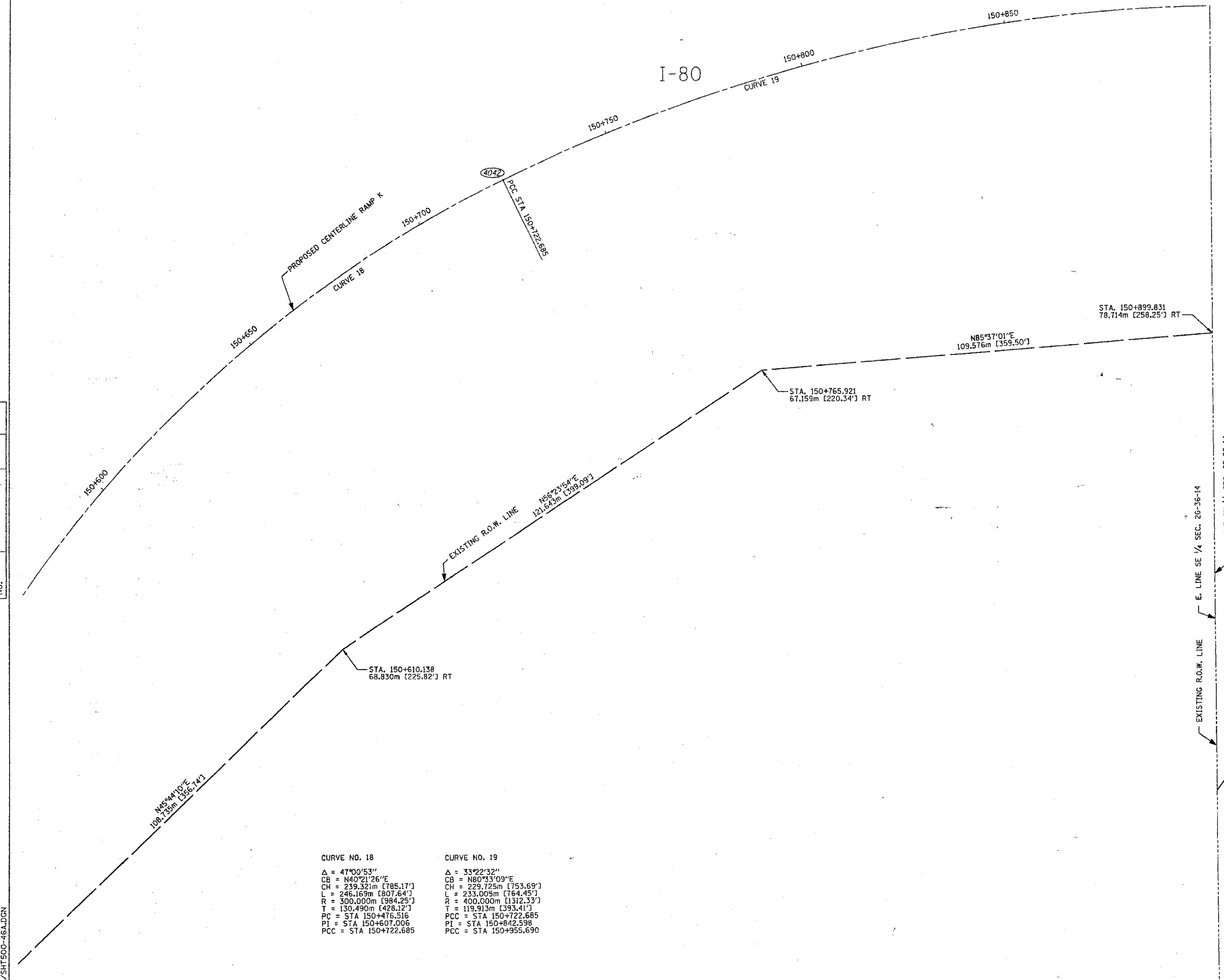
SU-12

PART of the SOUTHEAST QUARTER of SECTION 26, T36N., R14E., of the 3rd. P.M. COOK COUNTY, ILLINOIS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	10203.1 & 0304R-6	COOK	231	102



- LEGEND**
- COORDINATE POSITION NUMBER
 - SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER, QUARTER SECTION LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT
 - EXISTING RIGHT OF WAY LINE
 - CENTERLINE
 - PLATTED LOT LINES
 - PROPERTY (DEED) LINE
 - APPARENT PROPERTY LINE
 - [129.32] MEASURED ENGLISH DIMENSION
 - 129.32 (COMP) COMPUTED DIMENSION
 - (129.32) RECORDED DIMENSION
 - 129.322m METRIC DIMENSION
 - + CUT CROSS FOUND OR SET
 - EXISTING BUILDING
 - IRON PIPE FOUND
 - IRON PIPE SET
 - T1 THESE STAKES REFERENCE FOUND MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T2
 - T3
 - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE TP FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT2
 - BT3
 - M STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY DISK POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.



CURVE NO. 18	CURVE NO. 19
Δ = 47°00'53"	Δ = 33°22'32"
CB = N40°21'26"E	CB = N80°53'09"E
CH = 239.321m [785.17']	CH = 229.725m [753.69']
L = 246.169m [807.64']	L = 233.005m [764.45']
R = 300.000m [984.25']	R = 400.000m [1312.33']
T = 130.490m [428.12']	T = 119.913m [393.41']
PC = STA 150+476.516	PCC = STA 150+722.685
PI = STA 150+607.006	PI = STA 150+842.598
PCC = STA 150+722.685	PCC = STA 150+955.690

STATE OF ILLINOIS)
 COUNTY OF WILL)
 THIS IS TO CERTIFY THAT I, ROBERT A. ROGINA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HERE ON BETWEEN SECTION 26, TOWNSHIP 36 NORTH, AND RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 15th DAY OF JANUARY, 2003 A.D.
 [Signature]
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2017
 [Seal: ROBERT A. ROGINA, 2017 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS, JOLIET, ILLINOIS]
 NOTE:
 BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83

PREPARED BY: **ROGINA & ASSOCIATES, L.T.D.**
 83 Commonwealth Drive Joliet, IL 61706 815/729-0111 FAX 815/729-0192

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAI - 180/34

SECTION: COOK COUNTY
 PROJECT: JOB NO. R-90-010-01
 STATION 150 + 495.000 TO STATION
 SCALE: 1:500 SHEET: 46A OF 63

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

REV. DATE	REVISION	BY
02/10/03	REVISE R.O.W. LINE & CENTERLINE AT RAMP K	RPH/JAK
10/21/02	PER IDOT REVIEW / ADDED COORDINATE POSITION NUMBERS	RPH/JAK
06/17/02	PER IDOT REVIEW	MHG/JAK
	REVISION	BLF/JAK

BY	DATE

R.O.W. PLAT	NOTEBOOK NO.

DGN/IDOT/123-0801/SHT500-46A.DGN

Contract: 154W180138-000 7/15/2009 11:01:26 AM

PART of the NORTHWEST QUARTER of SECTION 25, T36N., R14E., of the 3rd. P.M. COOK COUNTY, ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304IR-6	COOK	231	103

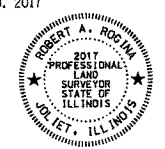
PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREVIOUSLY DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT ID. NO.	PROPERTY ACQUIRED BY
0ED0263	COOK COUNTY FOREST PRESERVE DISTRICT	N/A	N/A	N/A	N/A	PE-G= 0.381	RIGHT-OF-WAY	29-25-100-008	

- LEGEND**
- COORDINATE POSITION NUMBER
 - SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER, QUARTER SECTION LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT
 - EXISTING RIGHT OF WAY LINE
 - CENTERLINE
 - PLATTED LOT LINES
 - PROPERTY (DEED) LINE
 - APPARENT PROPERTY LINE
 - [129.32] MEASURED ENGLISH DIMENSION
 - [129.32 (COMP)] COMPUTED DIMENSION
 - [129.32] RECORDED DIMENSION
 - 129.32m METRIC DIMENSION
 - + CUT CROSS FOUND OR SET
 - EXISTING BUILDING
 - IRON PIPE FOUND
 - IRON PIPE SET
 - T1 THESE STAKES REFERENCE FOUND MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE TP FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY DISK POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
) ISS
 COUNTY OF WILL)
 THIS IS TO CERTIFY THAT I, ROBERT A. ROGINA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HERE ON BETWEEN SECTION 25, TOWNSHIP 36 NORTH, AND RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 15th DAY OF JANUARY, 2003 A.D.

 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2017



NOTE:
 BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83



PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAI - 180/94

SECTION: COOK COUNTY
 PROJECT: JOB NO. R-90-010-01
 STATION 30 + 850,000. TO STATION 31 + 050,000.
 SCALE: 1:500 SHEET: 47A OF 63A

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

CURVE NO. 2
 Δ = 89°43'15"E
 CB = 5,45'47.36"E
 CH = 1326.19m [4350.78']
 L = 1471.969m [4829.29']
 R = 940.000m [3083.98']
 T = 939.432m [3081.00']
 PC = STA 29+980.083
 PI = STA 30+915.515
 PT = STA 31+452.052

REV. DATE	REVISION	BY
10/21/02	PER IDOT REVIEW / ADDED COORDINATE POSITION NUMBERS	RPH/JAK
6/17/02	PER IDOT REVIEW	MHG/JAK
4/30/02	PER IDOT REVIEW	BLF/JAK
REV. DATE	REVISION	BLF/JAK

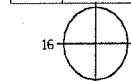
BY	DATE	R.O.W. PLAT	NOTEBOOK NO.

DGN/IDOT/123-0801/DESIGN/500-47A.DGN

PART of the SOUTHEAST QUARTER of SECTION 25, T36N., R14E., of the 3rd. P.M. COOK COUNTY, ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	02031 & 0304R-6	COOK	231	104

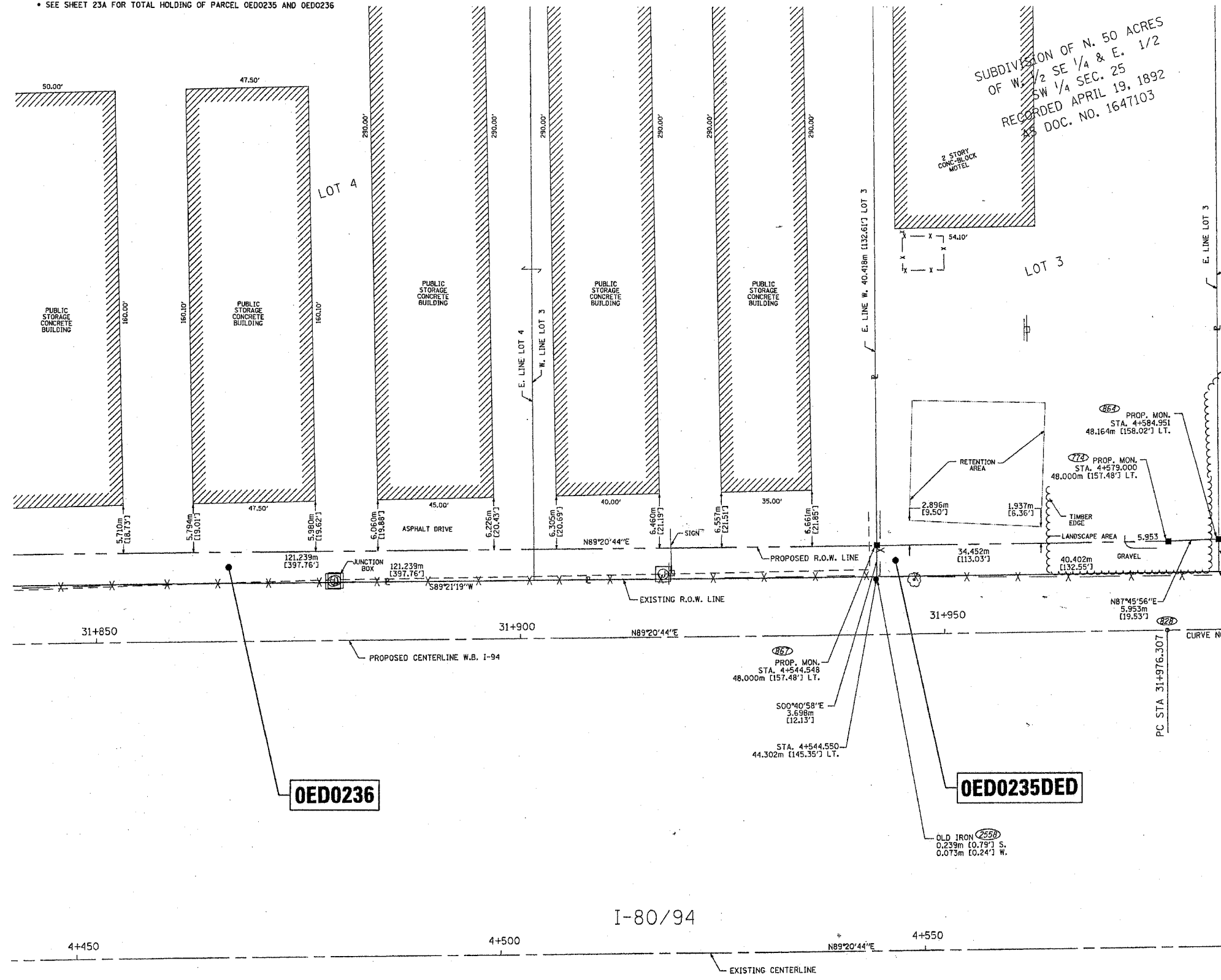
LEGEND



- (85) COORDINATE POSITION NUMBER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- EXISTING RIGHT OF WAY LINE
- CENTERLINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- [129.32] MEASURED ENGLISH DIMENSION
- 129.32 (COMP) COMPUTED DIMENSION
- (129.32) RECORDED DIMENSION
- 129.322m METRIC DIMENSION
- + CUT CROSS FOUND OR SET
- [Hatched] EXISTING BUILDING
- IRON PIPE FOUND
- IRON PIPE SET
- T1 THESE STAKES REFERENCE FOUND MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE TP FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY DISK POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREVIOUSLY DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT ID. NO.	PROPERTY ACQUIRED BY
OED0235*	FRIENDSHIP MOTELS, LANSING, INC.	1.117	N/A	1.117	N/A	DED 0.037	RIGHT-OF-WAY	29-25-400-049	
OED0236*	PUBLIC STORAGE, INC.	3.206	0.110	2.916	N/A	N/A	N/A	29-25-400-024 29-25-400-066	

* SEE SHEET 23A FOR TOTAL HOLDING OF PARCEL OED0235 AND OED0236



STATE OF ILLINOIS)
 COUNTY OF WILL)
 THIS IS TO CERTIFY THAT I, ROBERT A. ROGINA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HERE ON BETWEEN SECTION 25, TOWNSHIP 36 NORTH, AND RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 15th DAY OF JANUARY, 2003 A.D.
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2017



P.O.B. PARCEL NO. OED02350ED
 STA. 4+584.953
 44.295m [145.32'] LT.

NOTE:
 BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83



CURVE NO. 1
 Δ = 02°46'44"
 CB = N87°57'22"E
 R = 3003.600m [9854.31']
 L = 145.662m [477.96']
 CH = 145.667m
 TAN = 12.855m [239.03']
 PC = STA. 31+976.307
 PT = STA. 32+049.162
 PI = STA. 32+121.989

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAI - 80/94

SECTION: COOK COUNTY
 PROJECT: JOB NO. R-90-010-01
 STATION 4 + 450.00 TO STATION 4 + 585.000
 SCALE: 1:250 SHEET: 16A OF 63A

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

03/21/03	CHANGE PARCEL OED0235 TO OED0235DED	RPH/JAK
10/21/02	PER IDOT REVIEW / ADDED COORDINATE POSITION NUMBERS	RPH/JAK
06/17/02	PER IDOT REVIEW	MHG/JAK
02/19/02	ADD POINT NO.	BLF/JAK

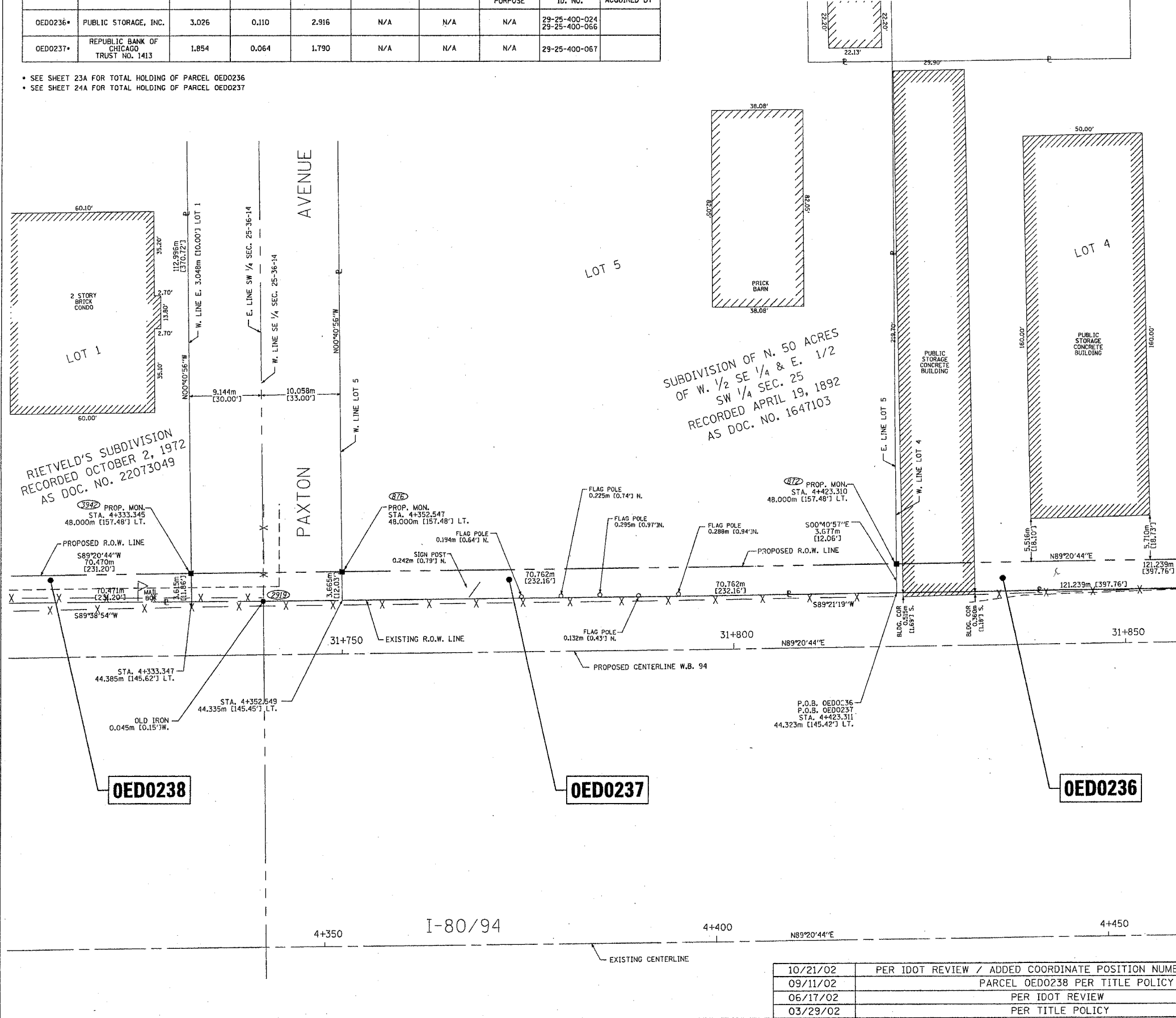
PART of the SOUTHEAST QUARTER of SECTION 25, T36N., R14E., of the 3rd. P.M. COOK COUNTY, ILLINOIS
PART of the SOUTHWEST QUARTER of SECTION 25, T36N., R14E., of the 3rd. P.M. COOK COUNTY, ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
80/94	0203.1 & 0304/R-6	COOK	231	105



PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREVIOUSLY DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT ID. NO.	PROPERTY ACQUIRED BY
OED0236*	PUBLIC STORAGE, INC.	3.026	0.110	2.916	N/A	N/A	N/A	29-25-400-024 29-25-400-066	
OED0237*	REPUBLIC BANK OF CHICAGO TRUST NO. 1413	1.854	0.064	1.790	N/A	N/A	N/A	29-25-400-067	

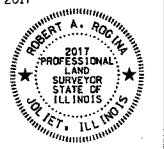
• SEE SHEET 23A FOR TOTAL HOLDING OF PARCEL OED0236
 • SEE SHEET 24A FOR TOTAL HOLDING OF PARCEL OED0237



- LEGEND
- (25) COORDINATE POSITION NUMBER
 - SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER, QUARTER SECTION LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT
 - EXISTING RIGHT OF WAY LINE
 - CENTERLINE
 - PLATTED LOT LINES
 - PROPERTY (DEED) LINE
 - APPARENT PROPERTY LINE
 - (129.32) MEASURED ENGLISH DIMENSION
 - (129.32 (COMP)) COMPUTED DIMENSION
 - (129.32) RECORDED DIMENSION
 - 129.322m METRIC DIMENSION
 - + CUT CROSS FOUND OR SET
 - EXISTING BUILDING
 - IRON PIPE FOUND
 - IRON PIPE SET
 - T1 THESE STAKES REFERENCE FOUND MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T2
 - T3
 - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE TP FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT2
 - BT3
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY DISK POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
 COUNTY OF WILL)
 THIS IS TO CERTIFY THAT I, ROBERT A. ROGINA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HERE ON BETWEEN SECTION 25, TOWNSHIP 36 NORTH, AND RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 15th DAY OF JANUARY, 2003 A.D.
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2017



NOTE:
 BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83

PREPARED BY: **ROGINA & ASSOCIATES, L.T.D.**
 88 Corporation Drive Joliet, Illinois 815/728-0177 FAX 815/728-0182

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAI - 80/94

SECTION: COOK COUNTY
 PROJECT: JOB NO. R-90-010-01
 STATION 4 + 310.00 TO STATION 4 + 455.000
 SCALE: 1:250 SHEET: 17A OF 63A

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

10/21/02	PER IDOT REVIEW / ADDED COORDINATE POSITION NUMBERS	RPH/JAK
09/11/02	PARCEL OED0238 PER TITLE POLICY	BLF/JAK
06/17/02	PER IDOT REVIEW	MHG/JAK
03/29/02	PER TITLE POLICY	BLF/JAK

PART of the SOUTHWEST QUARTER of SECTION 25, T36N., R14E., of the 3rd. P.M. COOK COUNTY, ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	02031 & 03041R-6	COOK	231	106

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREVIOUSLY DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT ID. NO.	PROPERTY ACQUIRED BY
OED0238	THE LES QUARTIER OFFICE CONDOMINIUMS	1.967	0.060	1.907	N/A	N/A	N/A	29-25-301-059	

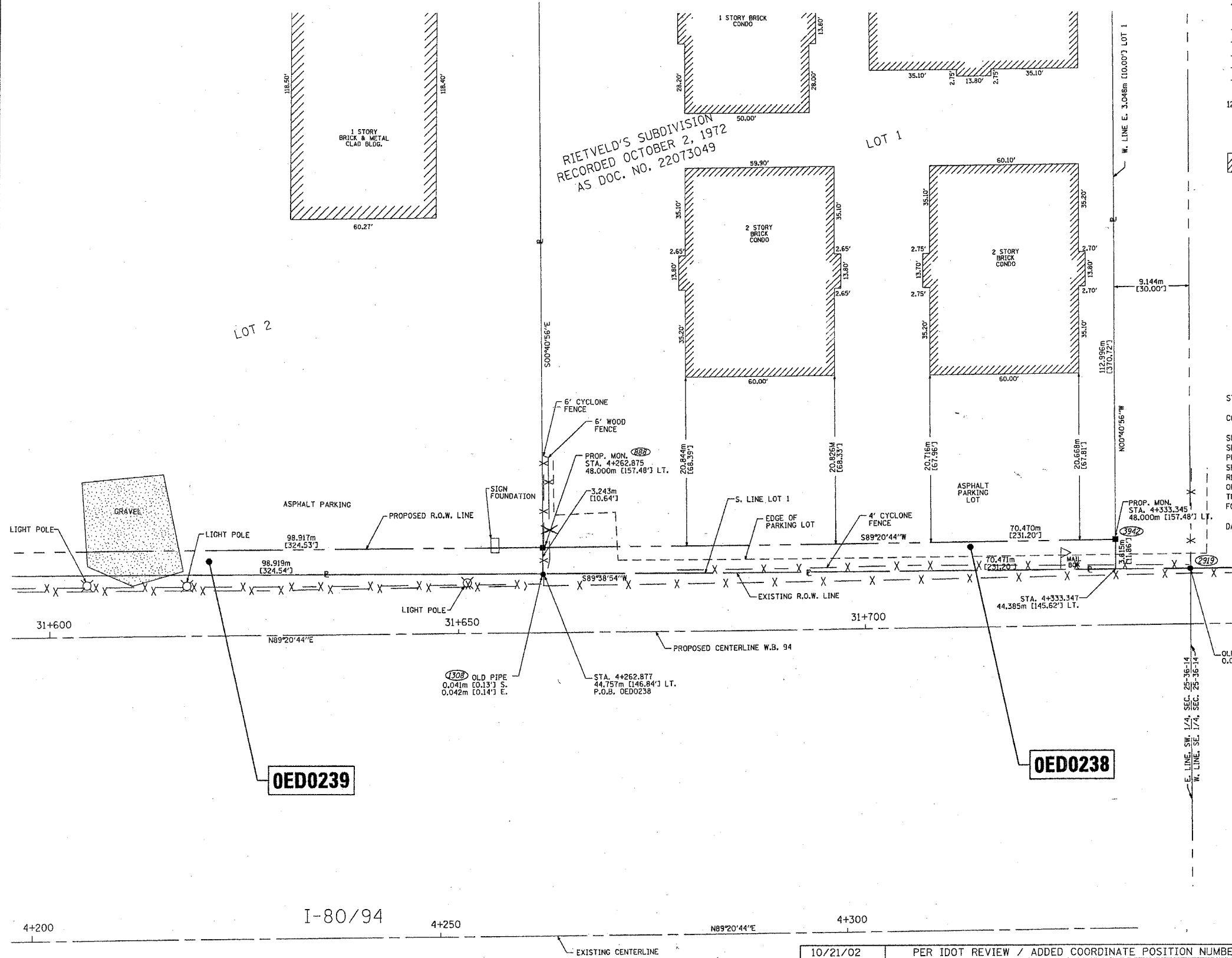
• SEE SHEET 24A FOR TOTAL HOLDING OF PARCEL OED0238

- LEGEND**
- (85) COORDINATE POSITION NUMBER
 - SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER, QUARTER SECTION LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT
 - EXISTING RIGHT OF WAY LINE
 - CENTERLINE
 - PLATTED LOT LINES
 - PROPERTY (DEED) LINE
 - APPL APPARENT PROPERTY LINE
 - (129.32) MEASURED ENGLISH DIMENSION
 - 129.32 (COMP) COMPUTED DIMENSION
 - (129.32) RECORDED DIMENSION
 - 129.322m METRIC DIMENSION
 - + CUT CROSS FOUND OR SET
 - EXISTING BUILDING
 - IRON PIPE FOUND
 - IRON PIPE SET
 - T1 THESE STAKES REFERENCE FOUND MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T2
 - T3
 - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE TP FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT2
 - BT3
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY DISK POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
) SS
 COUNTY OF WILL)
 THIS IS TO CERTIFY THAT I, ROBERT A. ROGINA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HERE ON BETWEEN SECTION 25, TOWNSHIP 36 NORTH, AND RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
 DATED AT JOLIET, ILLINOIS THIS 15th DAY OF JANUARY, 2003 A.D.
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2017

NOTE:
 BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83

BY	DATE
R.O.W. PLAT	
NOTEBOOK NO.	



PREPARED BY: **ROGINA & ASSOCIATES, L.T.D.**
 83 Corporation Drive Joliet, Illinois 61729-0171 FAX 815/729-0792

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAI - 80/94

SECTION: COOK COUNTY
 PROJECT: JOB NO. R-90-010-01
 STATION 4 + 200.000 TO STATION 4 + 336.000
 SCALE: 1:250 SHEET: 18A OF 63A

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

10/21/02	PER IDOT REVIEW / ADDED COORDINATE POSITION NUMBERS	RPH/JAK
09/10/02	PARCEL OED0238 PER TITLE POLICY	BLF/JAK
06/17/02	PER IDOT REVIEW & TITLE POLICY	MHG/JAK
03/05/02	PER IDOT REVIEW	MHG/JAK

PART of the SOUTHWEST QUARTER of SECTION 25, T36N., R14E., of the 3rd. P.M. COOK COUNTY, ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	(0203.1 & 0304)R-6	COOK	231	107

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREVIOUSLY DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT ID. NO.	PROPERTY ACQUIRED BY
OED0239	SOUTH HOLLAND TRUST & SAVINGS BANK TRUST NO. 110022	2.761	0.073	2.688	N/A	N/A	N/A	29-25-301-032	

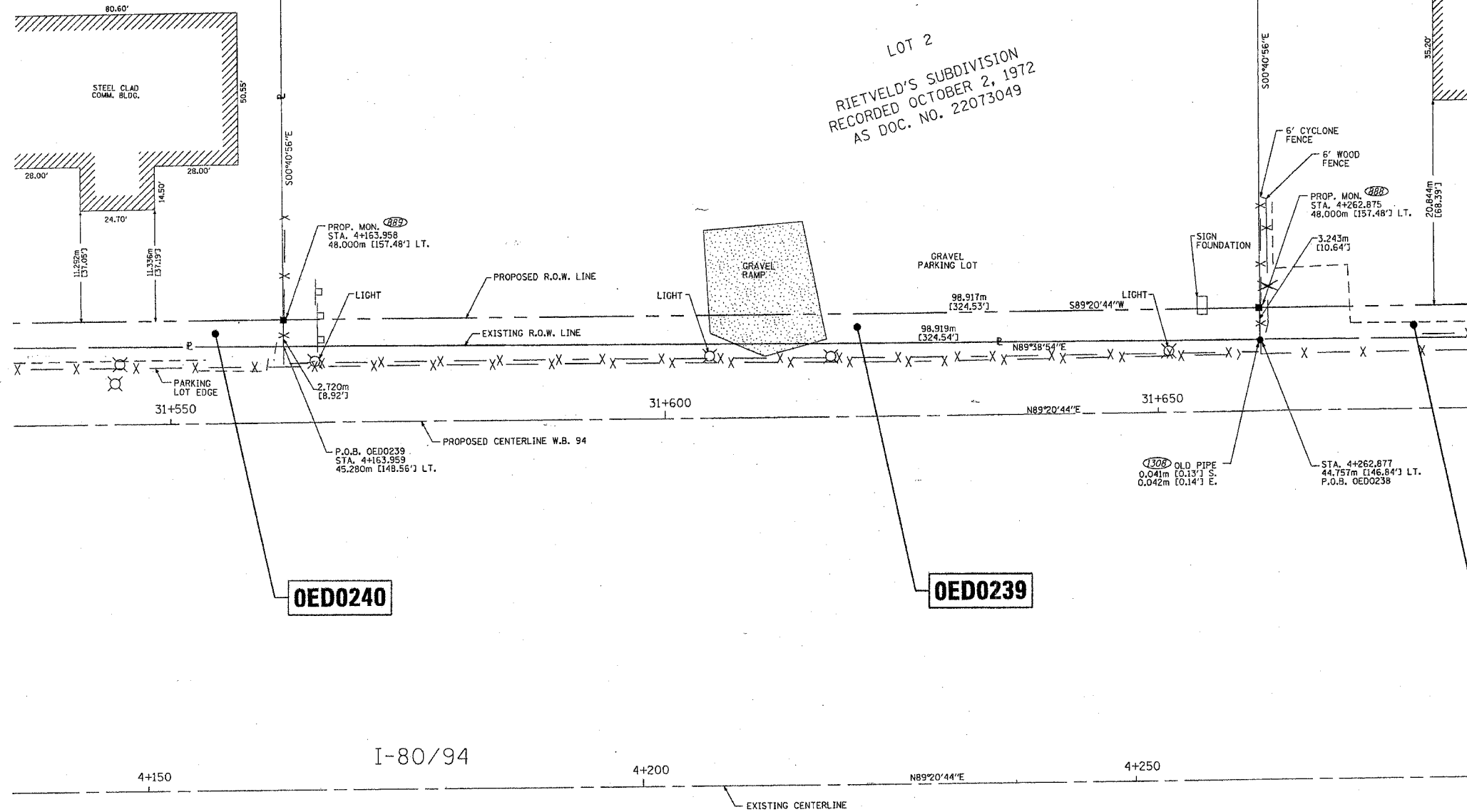
• SEE SHEET 24A FOR TOTAL HOLDING OF PARCEL OED0239

LEGEND

- (25) COORDINATE POSITION NUMBER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- EXISTING RIGHT OF WAY LINE
- CENTERLINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- (129.32) MEASURED ENGLISH DIMENSION
- 129.32 (COMP) COMPUTED DIMENSION
- (129.32) RECORDED DIMENSION
- 129.322m METRIC DIMENSION
- + CUT CROSS FOUND OR SET
- EXISTING BUILDING
- IRON PIPE FOUND
- IRON PIPE SET
- T1, T2, T3 THESE STAKES REFERENCE FOUND MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE TP FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY DISK POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

LOT 6
SUBDIVISION OF N. 50 ACRES
OF W 1/2 SE 1/4 & E 1/2 SW 1/4 SEC. 25
RECORDED APRIL 19, 1892
AS DOC. NO. 1647103

LOT 2
RIETVELD'S SUBDIVISION
RECORDED OCTOBER 2, 1972
AS DOC. NO. 22073049



STATE OF ILLINOIS)
)SS
COUNTY OF WILL)
THIS IS TO CERTIFY THAT I, ROBERT A. ROGINA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HERE ON BETWEEN SECTION 25, TOWNSHIP 36 NORTH, AND RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
DATED AT JOLIET, ILLINOIS THIS 15th DAY OF JANUARY, 2003 A.D.
Robert A. Rogina
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2017

NOTE:
BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83

BY	DATE

R.O.W. PLAT NO.	NOTEBOOK NO.

OED0240

OED0239

OED0238

PREPARED BY: **ROGINA & ASSOCIATES, LTD.**
88 Sewardville Drive Joliet, Illinois 61708-0771 FAX 815/728-0772

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAI - 80/94

SECTION: COOK COUNTY
PROJECT: JOB NO. R-90-010-01
STATION 4 + 145.000 TO STATION 4 + 275.000
SCALE: 1:250 SHEET: 19A OF 63A

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE	REVISION	BY
10/21/02	PER IDOT REVIEW / ADDED COORDINATE POSITION NUMBERS	RPH/JAK
06/17/02	PER IDOT REVIEW	MHG/JAK
		BLF/JAK

PART of the SOUTHWEST QUARTER of SECTION 25, T36N., R14E., of the 3rd. P.M. COOK COUNTY, ILLINOIS

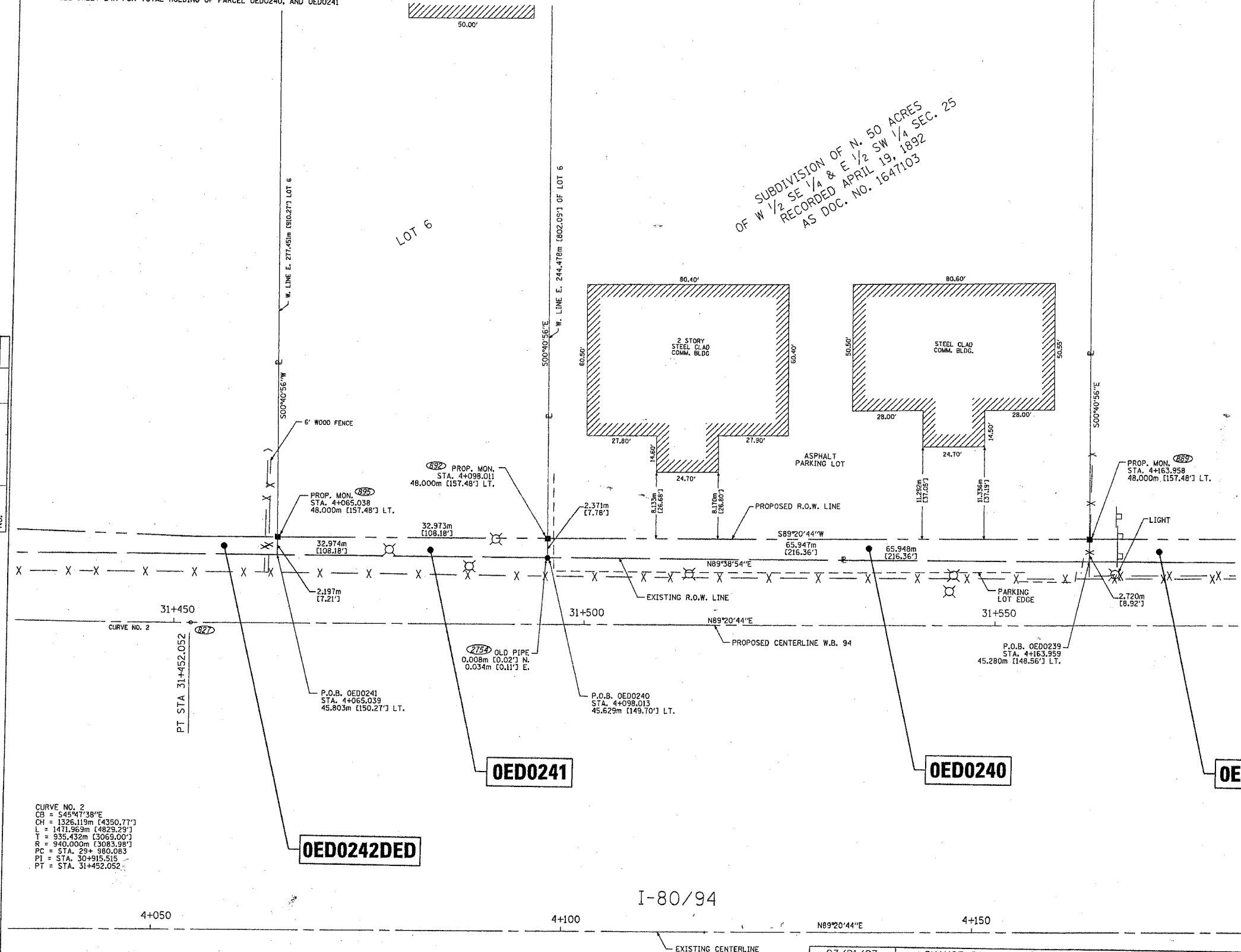
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	108

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREVIOUSLY DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT ID. NO.	PROPERTY ACQUIRED BY
OED0240*	JOSEPH J. & ELAINE PELLAR	1.840	0.041	1.799	N/A	N/A	N/A	29-25-301-030 29-25-301-031	
OED0241*	AMERICAN COMMUNICATION TECHNOLOGIES, LLC.	0.920	0.019	0.901	N/A	N/A	N/A	29-25-301-029	

* SEE SHEET 24A FOR TOTAL HOLDING OF PARCEL OED0240, AND OED0241

BY	DATE

R.O.W. PLAT	NOTEBOOK NO.



CURVE NO. 2
 CB = 545°47'38"E
 CH = 1326.119m [4350.77']
 L = 1471.969m [4829.29']
 T = 935.432m [3069.00']
 R = 940.000m [3083.98']
 PC = STA. 29+980.083
 PI = STA. 30+915.515
 PT = STA. 31+452.052

SUBDIVISION OF N. 50 ACRES
 OF W 1/2 SE 1/4 & E 1/2 SW 1/4 SEC. 25
 RECORDED APRIL 19, 1892
 AS DOC. NO. 1647103

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- COORDINATE POSITION NUMBER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- EXISTING RIGHT OF WAY LINE
- CENTERLINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPL APPARENT PROPERTY LINE
- [129.32] MEASURED ENGLISH DIMENSION
- (129.32) COMPUTED DIMENSION
- (129.32) RECORDED DIMENSION
- 129.322m METRIC DIMENSION
- + CUT CROSS FOUND OR SET
- EXISTING BUILDING
- IRON PIPE FOUND
- IRON PIPE SET
- T1, T2, T3 THESE STAKES REFERENCE FOUND MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE TP FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY DISK POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)
 COUNTY OF WILL)
)
 THIS IS TO CERTIFY THAT I, ROBERT A. ROGINA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HERE ON BETWEEN SECTION 25, TOWNSHIP 36 NORTH, AND RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 15th DAY OF JANUARY, 2003 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2017



NOTE:
 BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83



PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAI - 80/94

SECTION: COOK COUNTY
 PROJECT: JOB NO. R-90-010-01
 STATION 4 + 050.000 TO STATION 4 + 475.000
 SCALE: 1:250 SHEET: 20A OF 63A

BUREAU OF LAND ACQUISITION,
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

REVISION DATE	REVISION	BY
03/21/03	CHANGE PARCEL OED0242 TO OED0242DED	RPH/JAK
10/21/02	PER IDOT REVIEW / ADDED COORDINATE POSITION NUMBERS	RPH/JAK
06/17/02	PER IDOT REVIEW & TITLE POLICY	MHG/JAK
		BLF/JAK

PART of the SOUTHWEST QUARTER of SECTION 25, T36N., R14E., of the 3rd. P.M. COOK COUNTY, ILLINOIS

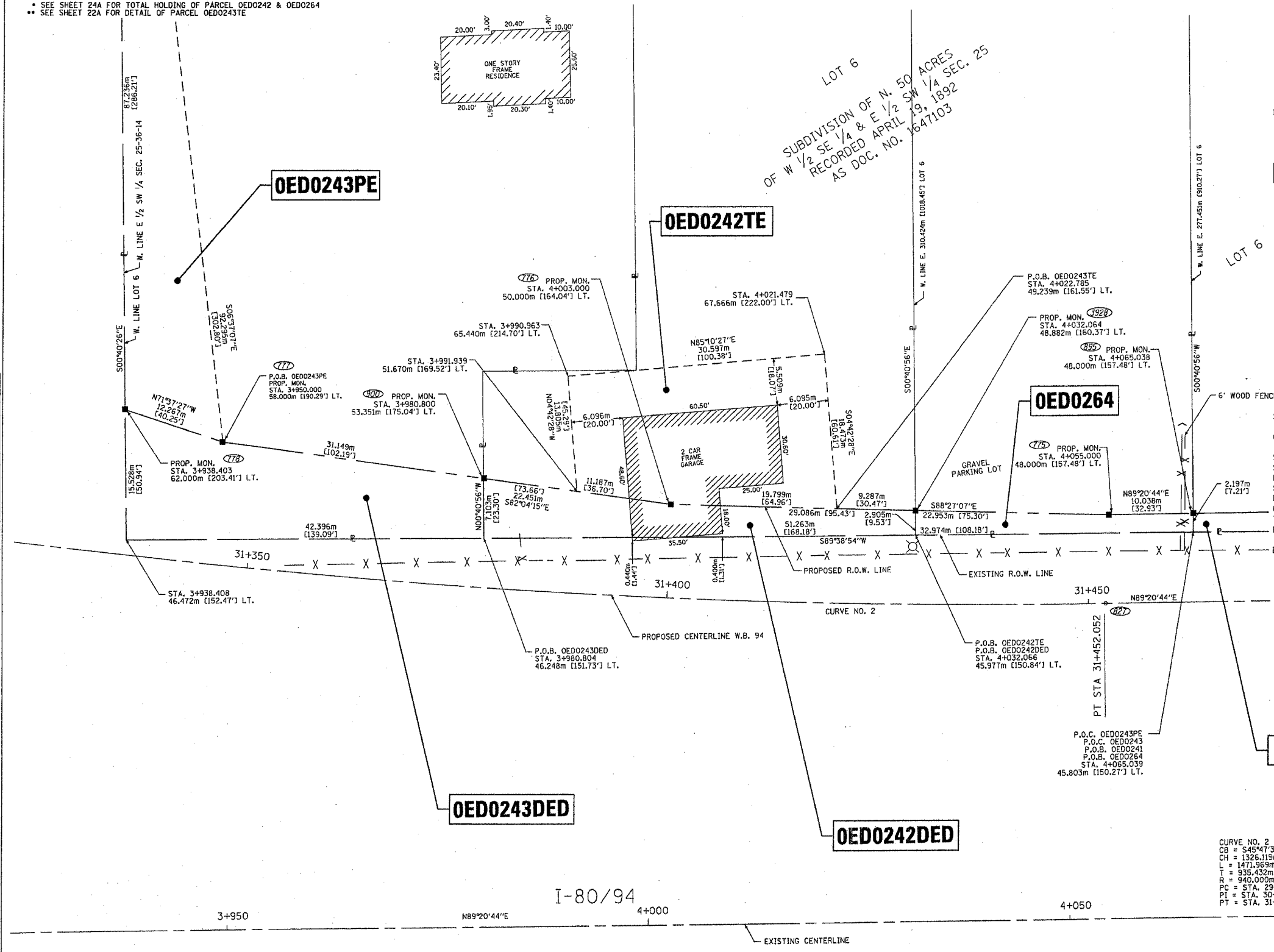
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	109

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREVIOUSLY DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT ID. NO.	PROPERTY ACQUIRED BY
OED0242*	AMERICAN NATIONAL BANK OF LANSING TRUST NO. 2040-65	1.009	N/A	1.009	N/A	TE 0.125 DED 0.054	DEMOLITION RIGHT-OF-WAY	29-25-301-027	
OED0264*	FIRST NATIONAL BANK OF CHICAGO	0.920	0.020	0.900	N/A	N/A	N/A	29-25-301-028	

* SEE SHEET 24A FOR TOTAL HOLDING OF PARCEL OED0242 & OED0264
 ** SEE SHEET 22A FOR DETAIL OF PARCEL OED0243TE

LEGEND

- COORDINATE POSITION NUMBER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- - - PROPOSED RIGHT OF WAY LINE
- - - PROPOSED EASEMENT
- - - EXISTING RIGHT OF WAY LINE
- - - CENTERLINE
- PLATTED LOT LINES
- PROPERTY (DED) LINE
- APPARENT PROPERTY LINE
- (129.32) MEASURED ENGLISH DIMENSION
- (129.32) COMPUTED DIMENSION
- (129.32m) METRIC DIMENSION
- + CUT CROSS FOUND OR SET
- ▨ EXISTING BUILDING
- IRON PIPE FOUND
- IRON PIPE SET
- T1 THESE STAKES REFERENCE FOUND MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE TP FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY DISK POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.



STATE OF ILLINOIS)
)
 COUNTY OF WILL)
)
 THIS IS TO CERTIFY THAT I, ROBERT A. ROGINA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HERE ON BETWEEN SECTION 25, TOWNSHIP 36 NORTH, AND RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 15th DAY OF JANUARY, 2003 A.D.

 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2017



NOTE:
 BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83

PREPARED BY: **ROGINA & ASSOCIATES S. LTD.**
 99 Calumet Drive, Joliet, Illinois 61738-0771 FAX 815/732-0782

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAI - 80/94

SECTION: COOK COUNTY
 PROJECT: JOB NO. R-90-010-01
 STATION 3 + 930.000 TO STATION 4 + 070.000
 SCALE: 1:250 SHEET: 21A OF 63A

BY	DATE	R.O.W. PLAT	NOTEBOOK NO.

03/21/03	CHANGE PARCELS OED0242 & OED0243 TO OED0242DED & OED0243DED	RPH/JAK
10/21/02	PER IDOT REVIEW / ADDED COORDINATE POSITION NUMBERS	RPH/JAK
06/17/02	PER IDOT REVIEW	MHG/JAK
4/30/02	ADD PARCEL OED0242TE	BLF/JAK

/DGN/IDOT/123-0801/8H1250-21A.DGN

PART of the SOUTHWEST QUARTER of SECTION 25, T36N., R14E., of the 3rd. P.M. COOK COUNTY, ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	110

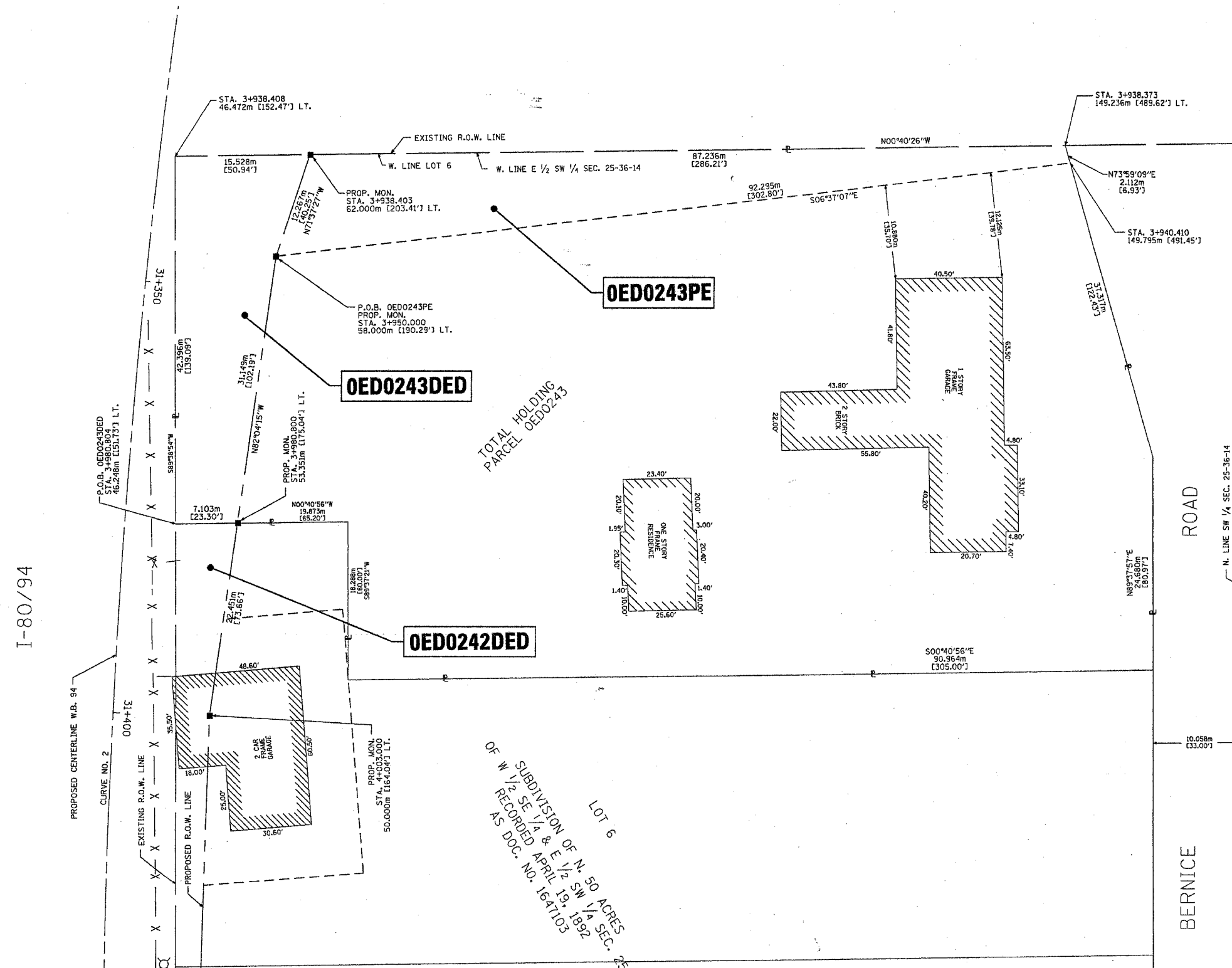
LEGEND



- (85) COORDINATE POSITION NUMBER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- EXISTING RIGHT OF WAY LINE
- CENTERLINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- [129.32] MEASURED ENGLISH DIMENSION
- [129.32] (COMP) COMPUTED DIMENSION
- [129.32] RECORDED DIMENSION
- 129.322m METRIC DIMENSION
- + CUT CROSS FOUND OR SET
- [Hatched Box] EXISTING BUILDING
- IRON PIPE FOUND ● IRON PIPE SET
- T1 THESE STAKES REFERENCE FOUND MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE TP FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY DISK POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

OED0243*	ISIDRO CARREON & ACACIAS SANCHEA	1.557	N/A	1.557	N/A	PE 0.149 DED 0.110	DRAINAGE RIGHT-OF-WAY	29-25-301-023
----------	----------------------------------	-------	-----	-------	-----	--------------------	-----------------------	---------------

* SEE SHEET 24A FOR TOTAL HOLDING OF PARCEL OED0243



STATE OF ILLINOIS)
) SS
 COUNTY OF WILL)
 THIS IS TO CERTIFY THAT I, ROBERT A. ROGINA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HERE ON BETWEEN SECTION 25, TOWNSHIP 36 NORTH, AND RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 15th DAY OF JANUARY, 2003 A.D.

 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2017



NOTE:
 BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83



PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAI - 80/94
 SECTION: COOK COUNTY
 PROJECT: JOB NO. R-90-010-01
 STATION 3 + 930.000 TO STATION 4 + 003.000
 SCALE: 1:250 SHEET: 22A OF 63A
 BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

04/02/03	CHANGE PARCEL OED0242 TO OED0242DED	RPH/JAK
03/21/03	CHANGE PARCEL OED0243 TO OED0243DED	MHG/JAK
06/17/02	PER IDOT REVIEW & TITLE POLICY	MHG/JAK
03/05/02	PER IDOT REVIEW	MHG/JAK

BY	DATE
R.O.W. PLAT	NOTEBOOK NO.

DGN/IDOT/123-0801/SHT250-22A.DGN

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	(0203.1 & 0304)R-6	COOK	231	111

CONTRACT # 62105

BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION



LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- APL 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 1/4 INCH IRON ROD
- PERMANENT SURVEY MONUMENT
- I.D.D. STD. 2135 (TO BE SET BY OTHERS)
- CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPLICE BOX
- LG7 EXISTING STREET LIGHT
- MAIL BOX EXISTING MAIL BOX
- WELL EXISTING WELL HEAD
- STAKING OF PROPOSED RIGHT OF WAY, SET 1/4 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY DESCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, SET 1/4 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY DESCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.



STATE OF ILLINOIS)
COUNTY OF WILL)



THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 29 & 30, TOWNSHIP 36 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY. THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

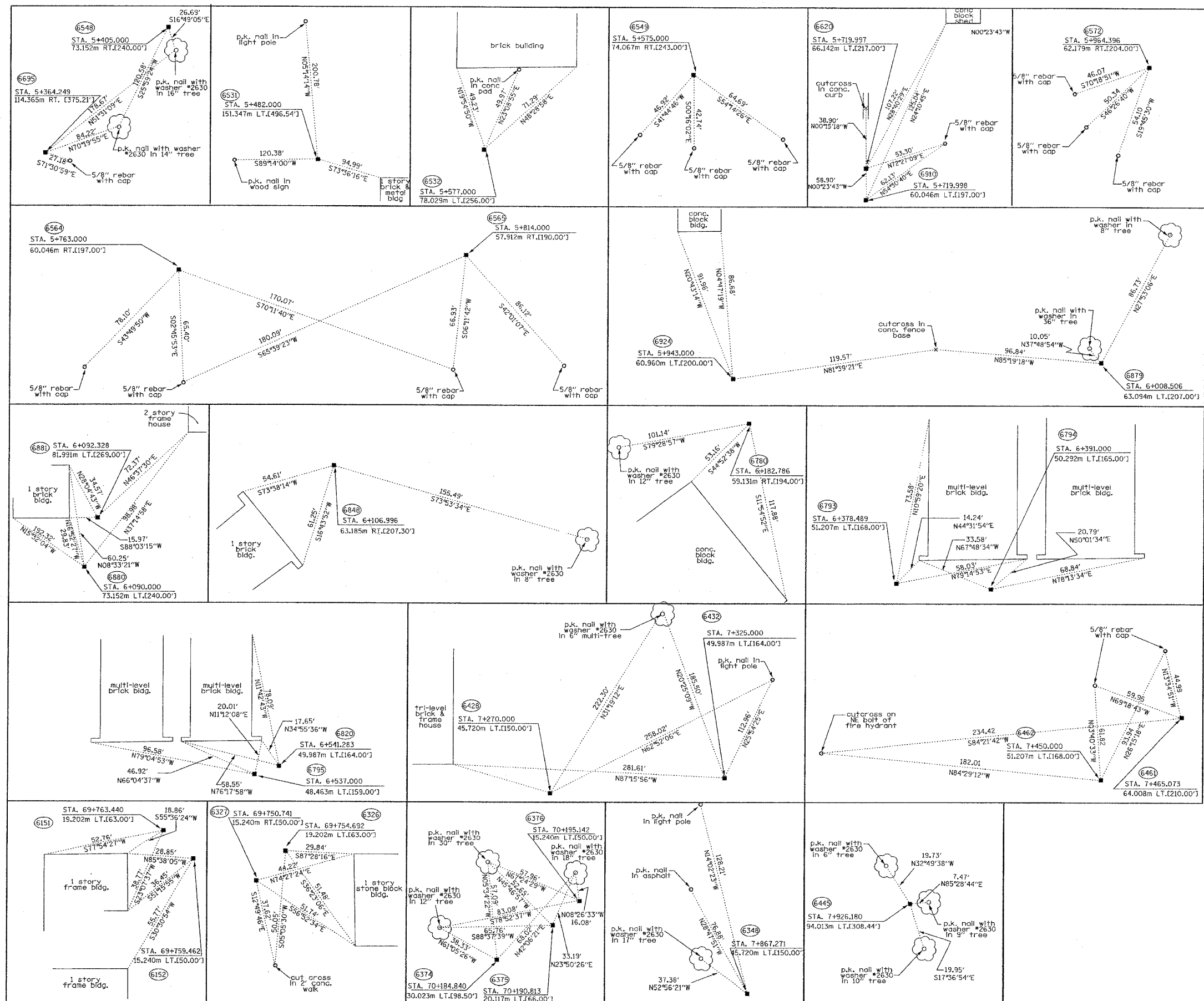
DATED AT JOLIET, ILLINOIS THIS 20th DAY OF NOVEMBER, 2002
Ronald F. Hodgen
RONALD F. HODGEN P.L.S. NO. 2630

SEE SHEET 25 FOR COORDINATE DATA.

RUETTIGER, TONELLI & ASSOCIATES, INC.
Lead Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 OMEGA STREET 2630 SOUTH WASHINGTON STREET SUITE 170
JOLIET, ILLINOIS 60438 MAPLEVILLE, ILLINOIS 60465
PH (815) 744-8600 FAX (815) 744-0020 PH (630) 420-7140 FAX (630) 420-7744

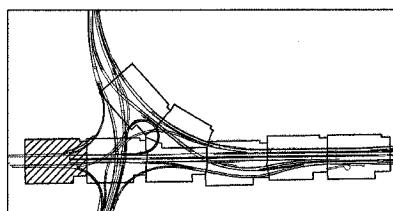
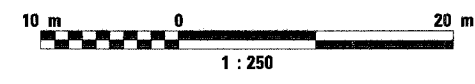
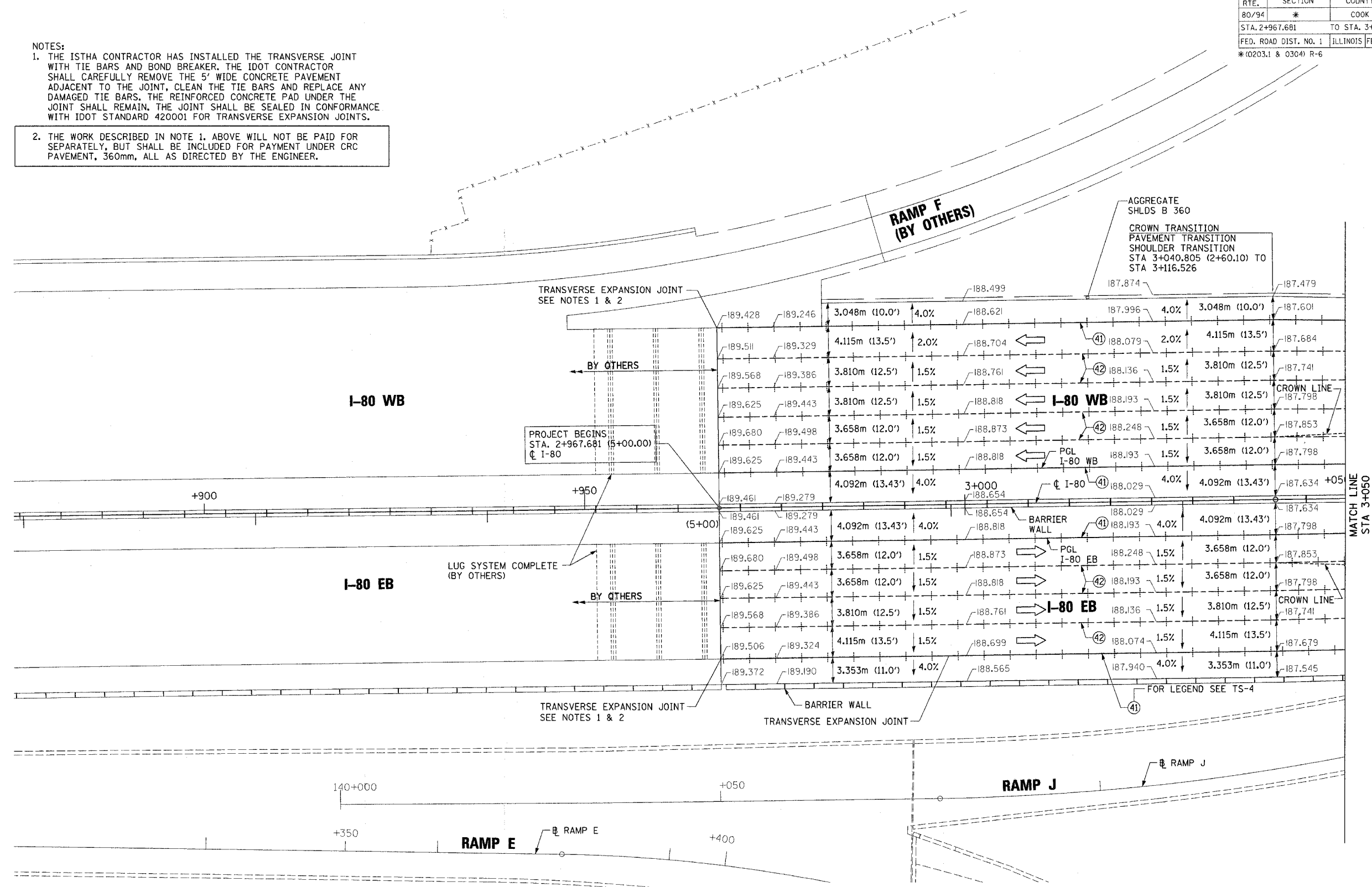
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAI-80 (I-80/I-94)
COOK COUNTY
JOB NO. R-90-010-01
STATION TO STATION

SHEET 24 OF 25
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
221 WEST CENTER COURT
SCHUMBERG, ILLINOIS 60196



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	112
STA. 2+967.681		TO STA. 3+050.00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		

- NOTES:
1. THE ISTHA CONTRACTOR HAS INSTALLED THE TRANSVERSE JOINT WITH TIE BARS AND BOND BREAKER. THE IDOT CONTRACTOR SHALL CAREFULLY REMOVE THE 5' WIDE CONCRETE PAVEMENT ADJACENT TO THE JOINT, CLEAN THE TIE BARS AND REPLACE ANY DAMAGED TIE BARS. THE REINFORCED CONCRETE PAD UNDER THE JOINT SHALL REMAIN. THE JOINT SHALL BE SEALED IN CONFORMANCE WITH IDOT STANDARD 420001 FOR TRANSVERSE EXPANSION JOINTS.
 2. THE WORK DESCRIBED IN NOTE 1. ABOVE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED FOR PAYMENT UNDER CRC PAVEMENT, 360mm, ALL AS DIRECTED BY THE ENGINEER.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

PAVEMENT ELEVATIONS AND DETAILS

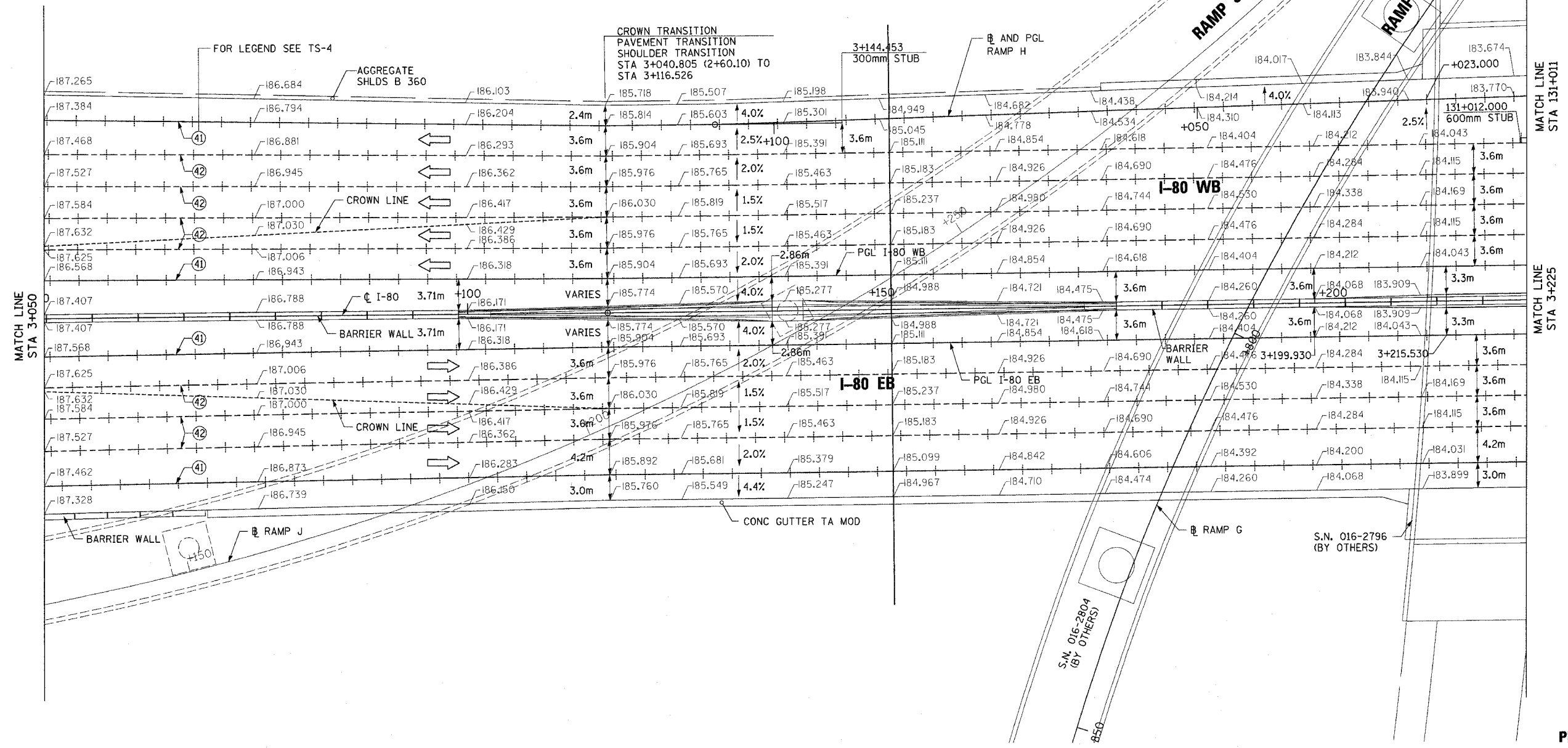
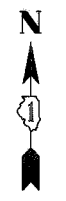
SCALE: 1:250
 DATE: JULY 18, 2005

DRAWN BY: CTT
 CHECKED BY: RCH

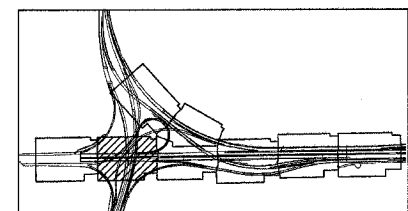
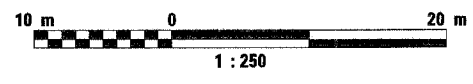
McDonough Associates Inc.
 Engineers / Architects

PD-1

F.A.I. RTE. 80/94	SECTION *	COUNTY COOK	TOTAL SHEETS 231	SHEET NO. 113
STA. 3+050.00		TO STA. 3+225.00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		



PD-2



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

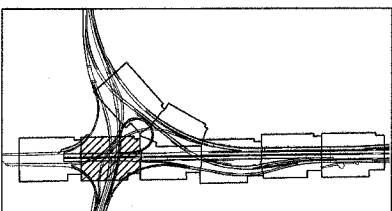
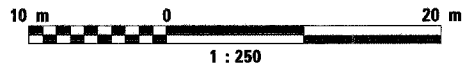
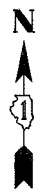
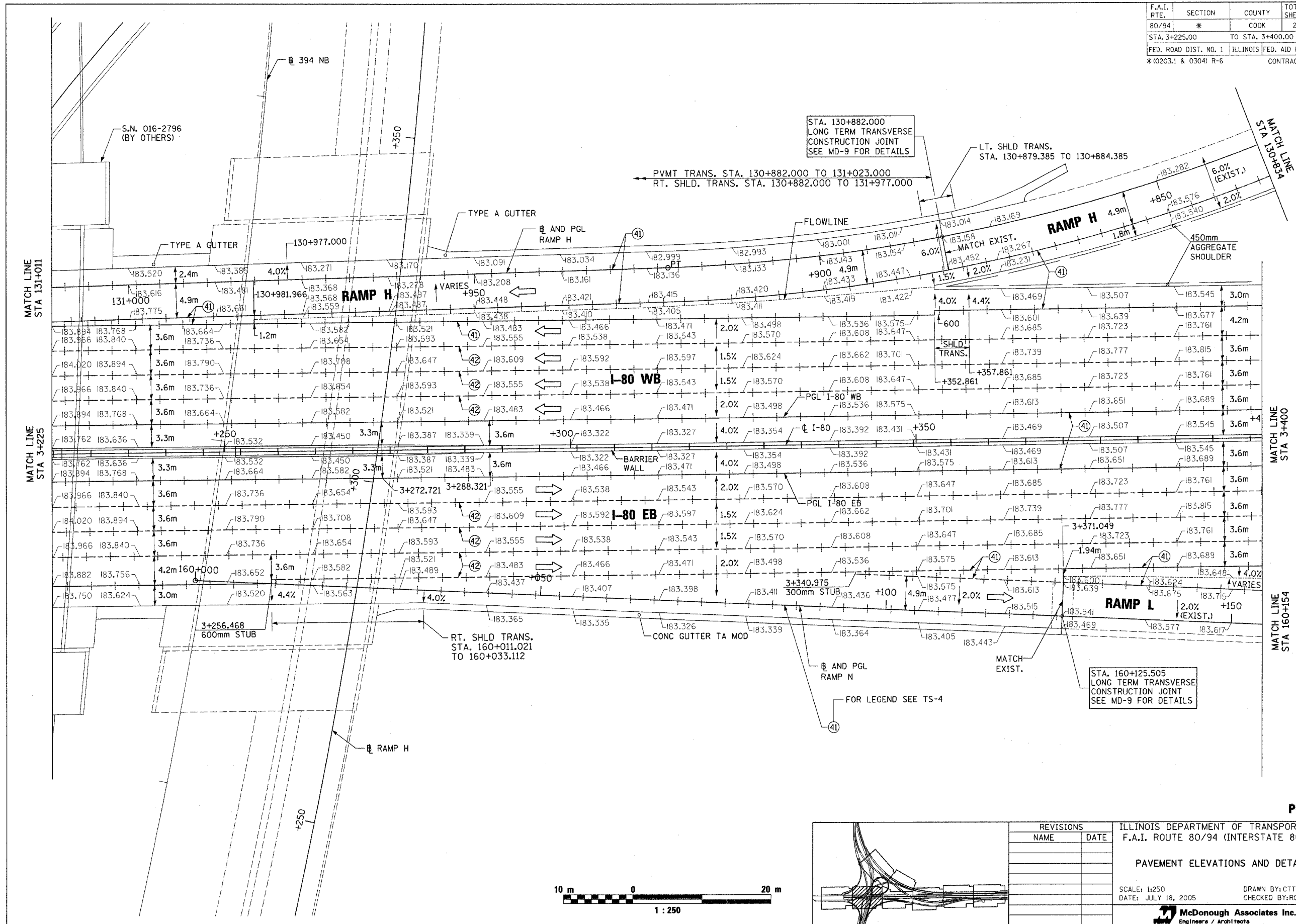
PAVEMENT ELEVATIONS AND DETAILS

SCALE: 1:250
DATE: JULY 18, 2005

DRAWN BY: CTT
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	114
STA. 3+225.00		TO STA. 3+400.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

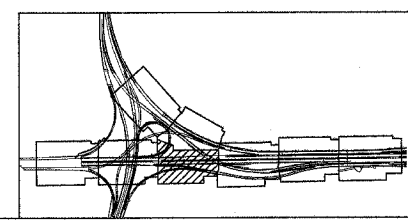
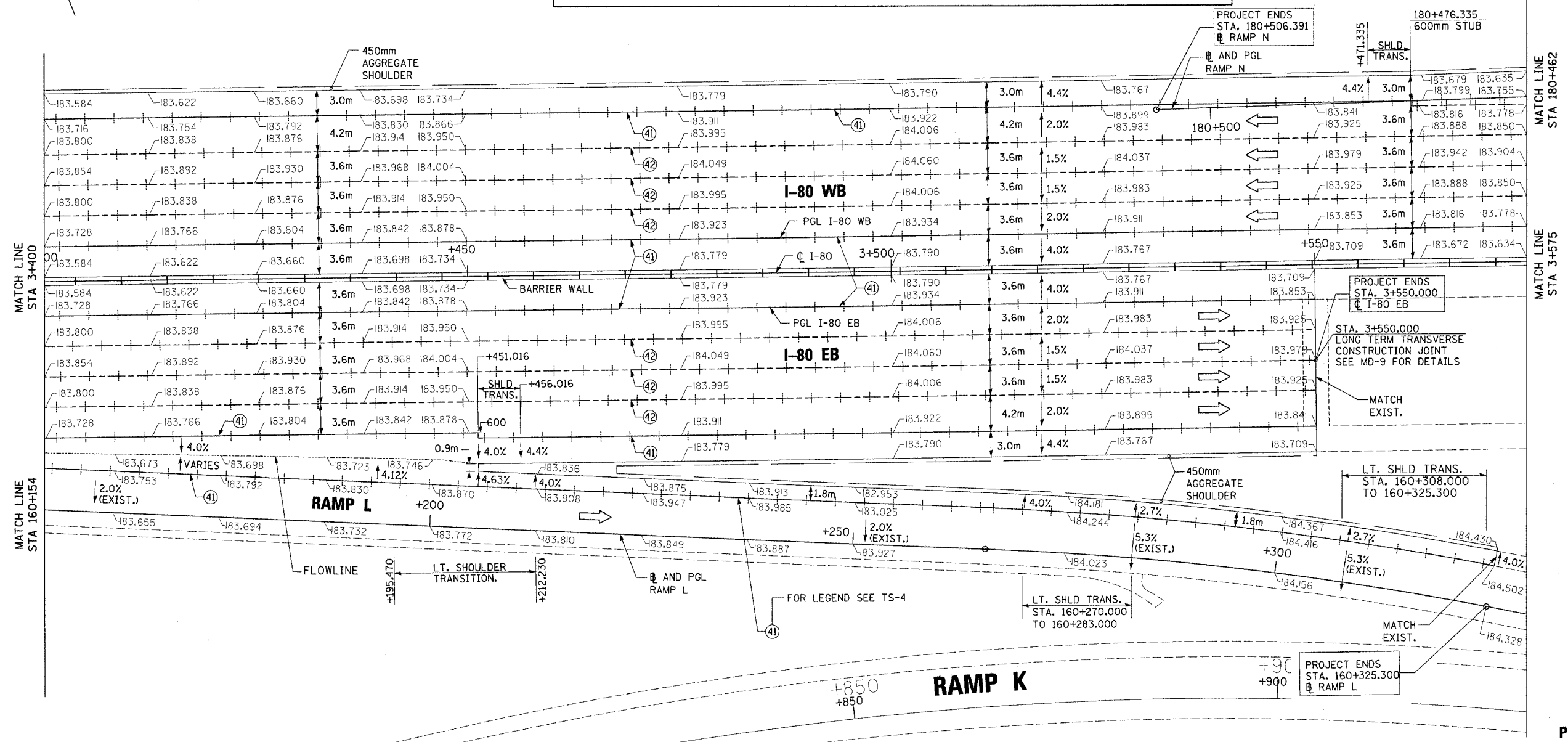
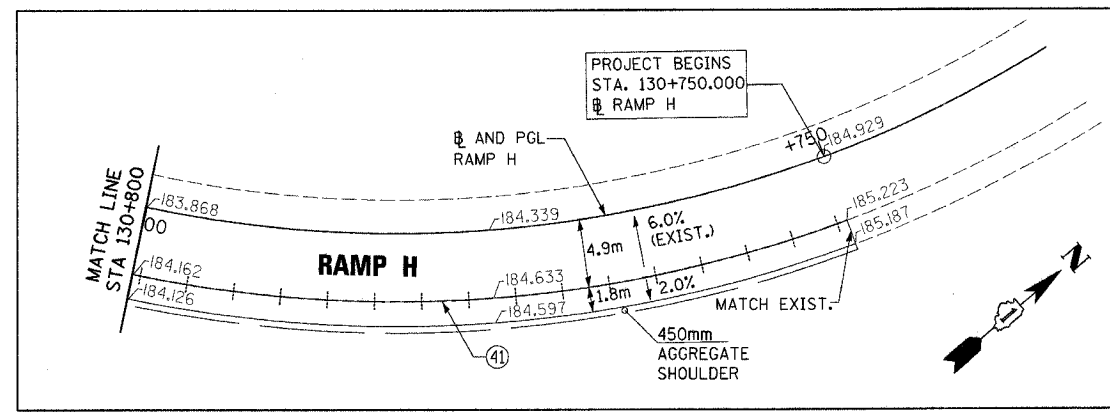
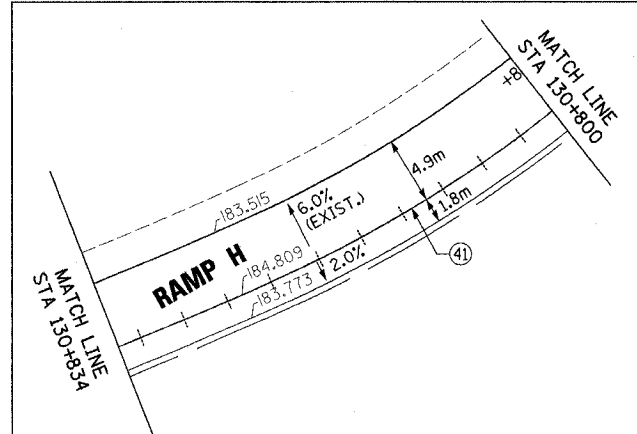
PAVEMENT ELEVATIONS AND DETAILS

SCALE: 1:250
DATE: JULY 18, 2005
DRAWN BY: CTT
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

PD-3

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	115
STA. 3+400.00		TO STA. 3+575.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

PAVEMENT ELEVATIONS AND DETAILS

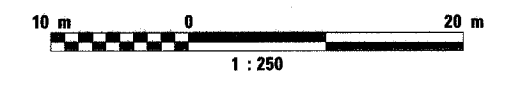
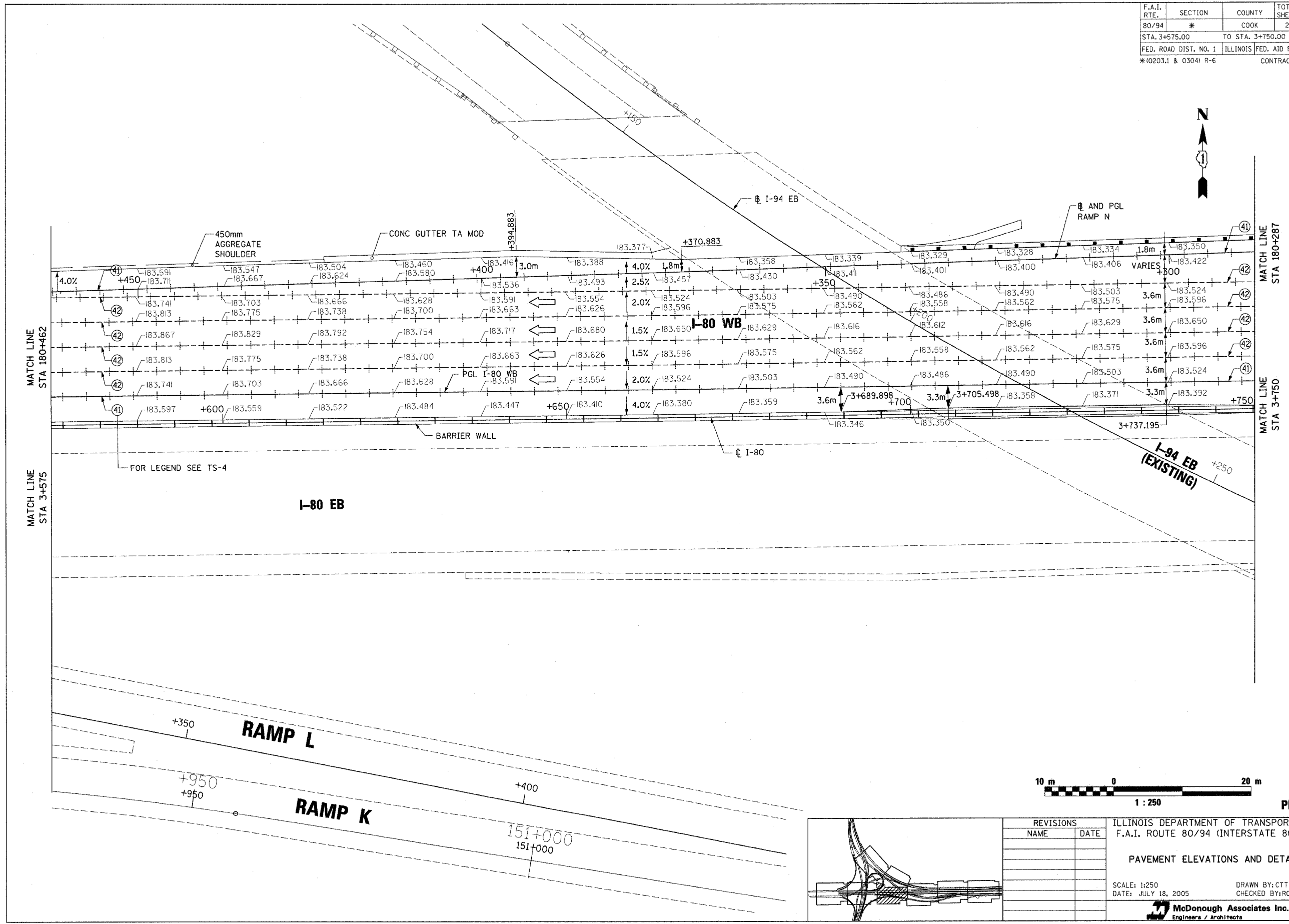
SCALE: 1:250
DATE: JULY 18, 2005

DRAWN BY: CTT
CHECKED BY: RCH

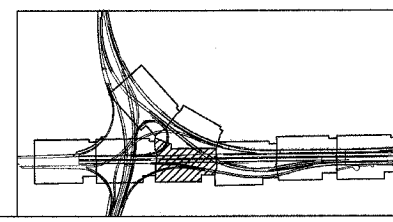
McDonough Associates Inc.
Engineers / Architects

PD-4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	116
STA. 3+575.00		TO STA. 3+750.00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT * 62105		



PD-5



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

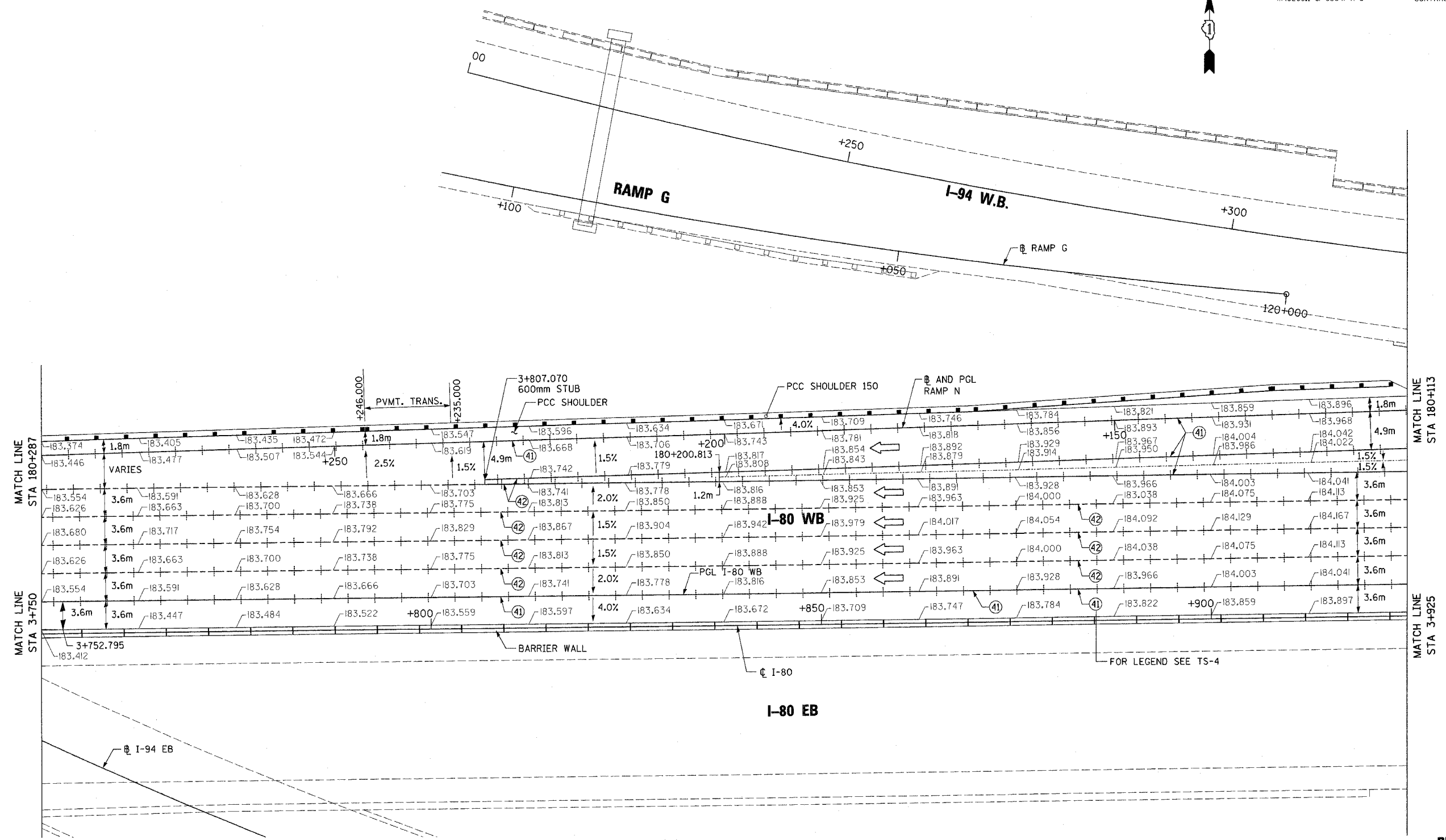
PAVEMENT ELEVATIONS AND DETAILS

SCALE: 1:250
 DATE: JULY 18, 2005

DRAWN BY: CTT
 CHECKED BY: RCH

McDonough Associates Inc.
 Engineers / Architects

F.A.I. RTE. 80/94	SECTION *	COUNTY COOK	TOTAL SHEETS 231	SHEET NO. 117
STA. 3+750.00		TO STA. 3+925.00		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
*(0203.1 & 0304) R-6				CONTRACT # 62105



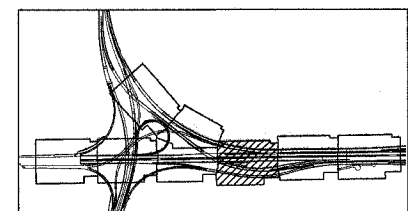
MATCH LINE
STA 180+287

MATCH LINE
STA 3+750

MATCH LINE
STA 180+113

MATCH LINE
STA 3+925

PD-6



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

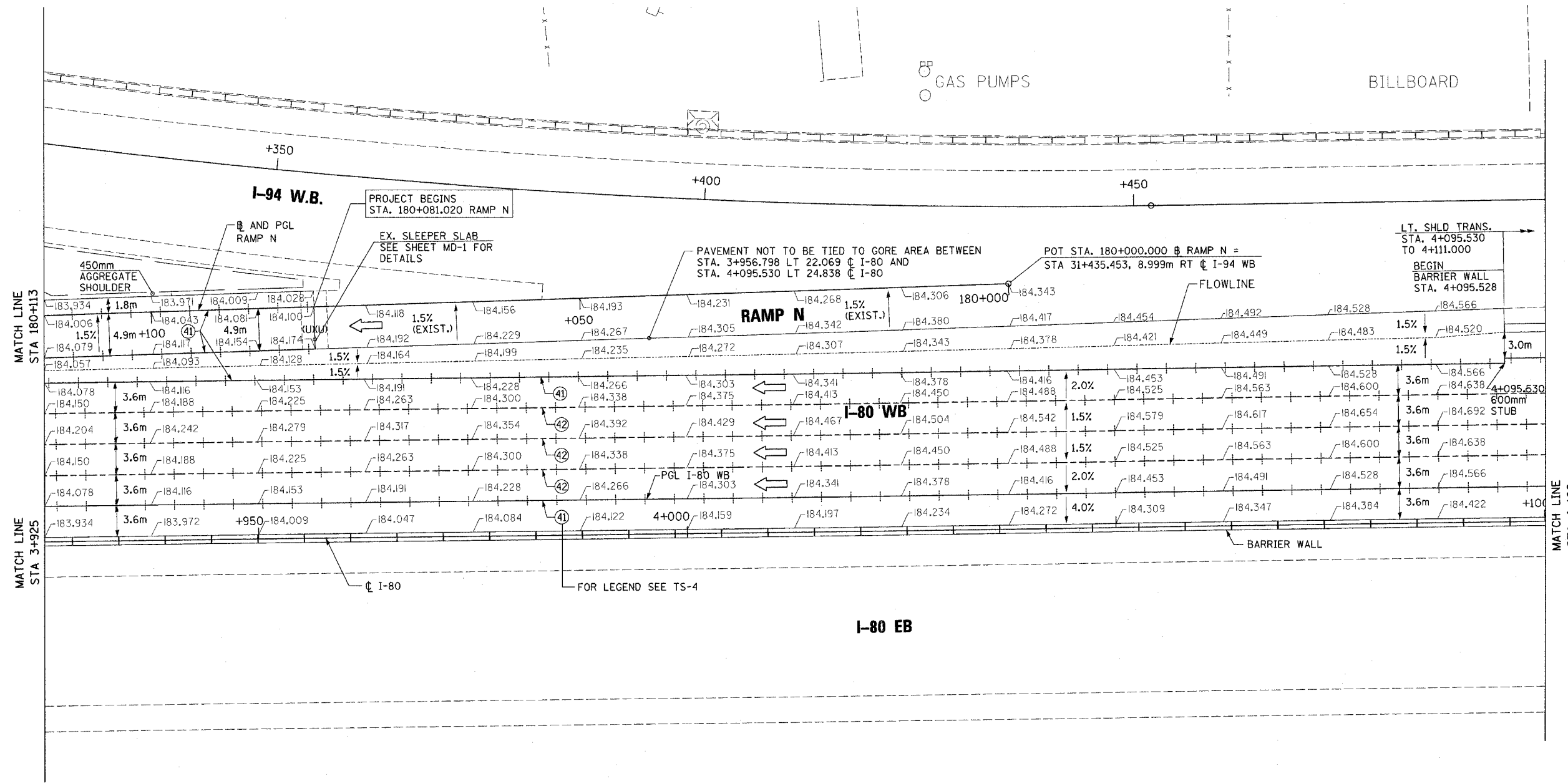
PAVEMENT ELEVATIONS AND DETAILS

SCALE: 1:250
DATE: JULY 18, 2005

DRAWN BY: CTT
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

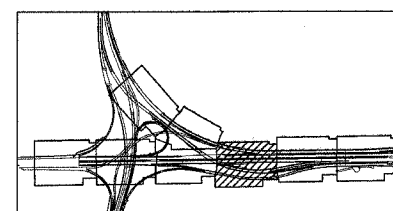
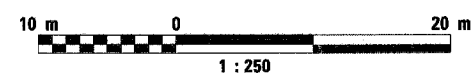
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	118
STA. 3+925.00		TO STA. 4+100.00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		



MATCH LINE STA 180+113
MATCH LINE STA 3+925

MATCH LINE STA 4+100

LEGEND
(U) - SIDE OF JOINT NOT TIED TO SLEEPER



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

PAVEMENT ELEVATIONS AND DETAILS

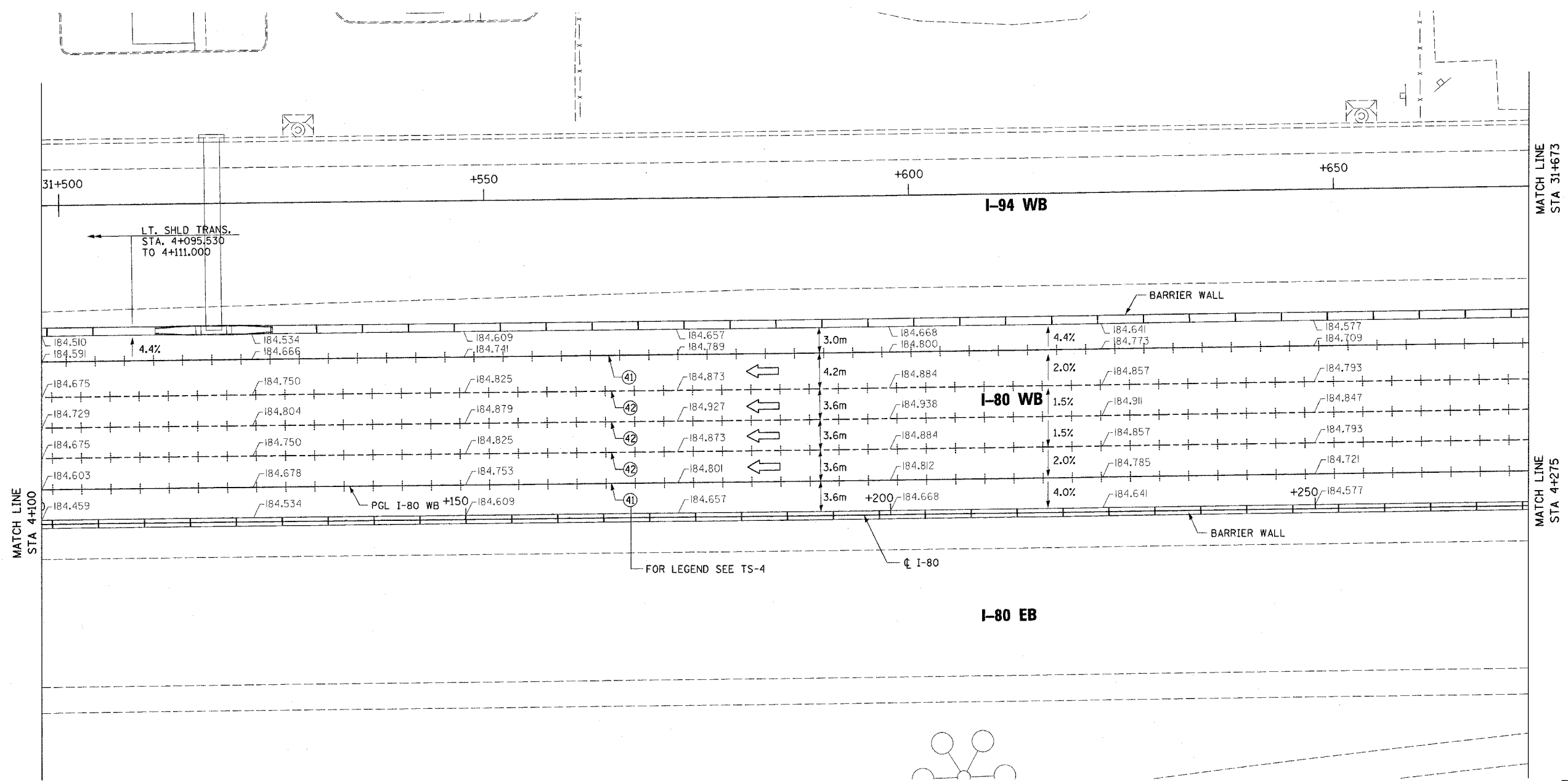
SCALE: 1:250
DATE: JULY 18, 2005

DRAWN BY: CTT
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

PD-7

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	119
STA. 4+100.00		TO STA. 4+275.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		

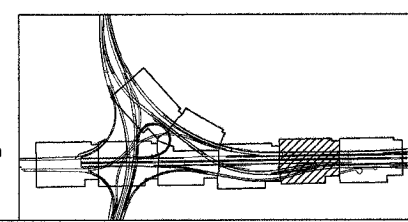
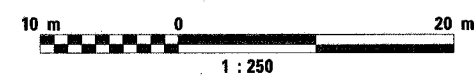


MATCH LINE
STA 4+100

MATCH LINE
STA 31+673

MATCH LINE
STA 4+275

PD-8



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

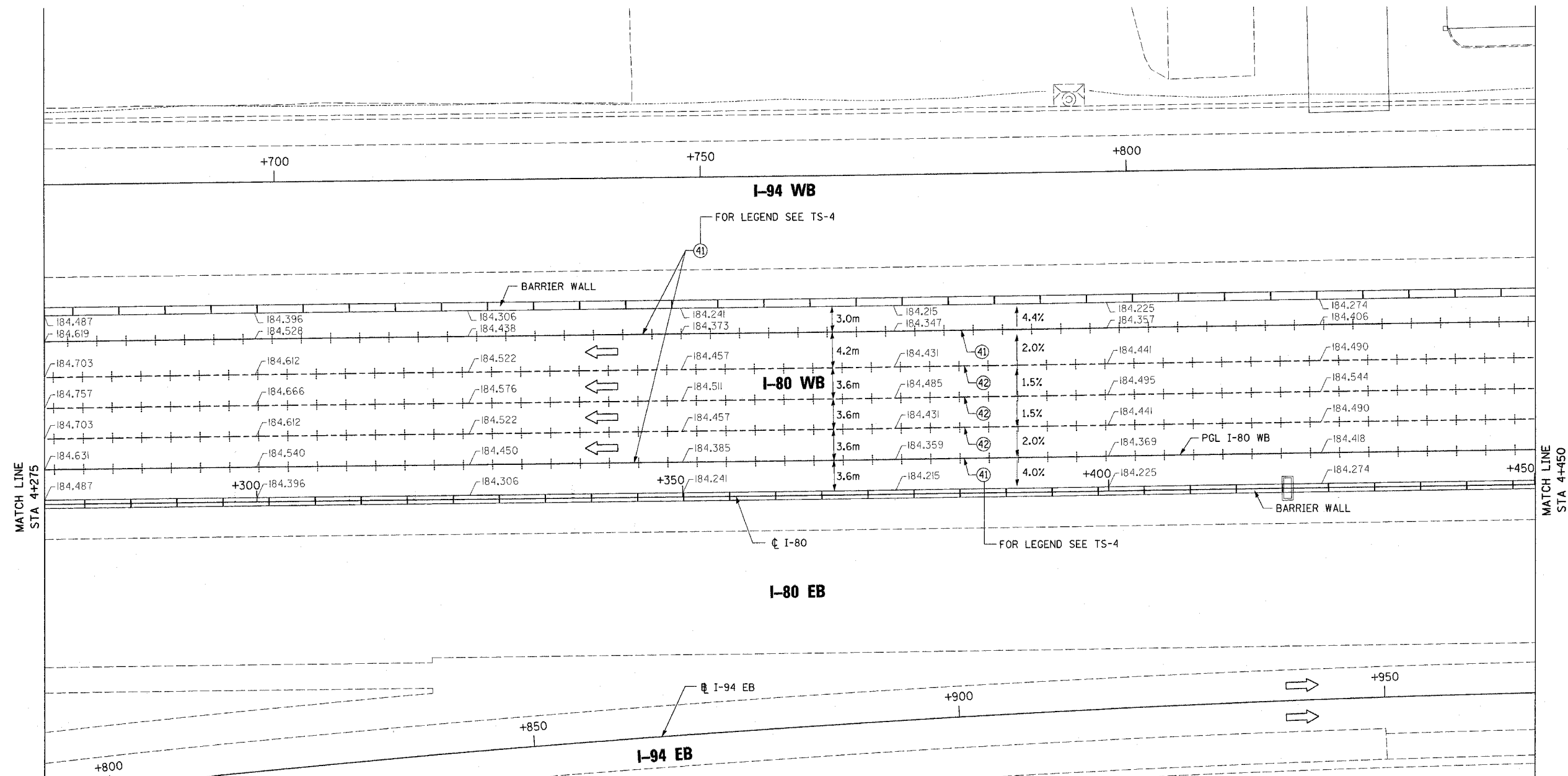
PAVEMENT ELEVATIONS AND DETAILS

SCALE: 1:250
DATE: JULY 18, 2005

DRAWN BY: CTT
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

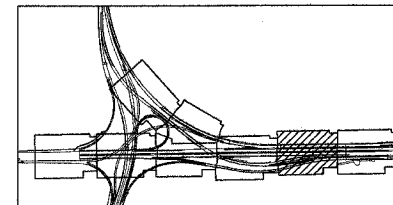
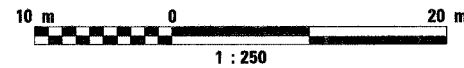
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	120
STA. 4+275.00		TO STA. 4+450.00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*10203.1 & 0304 R-6		CONTRACT # 62105		



MATCH LINE
STA 4+275

MATCH LINE
STA 4+450

PD-9



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

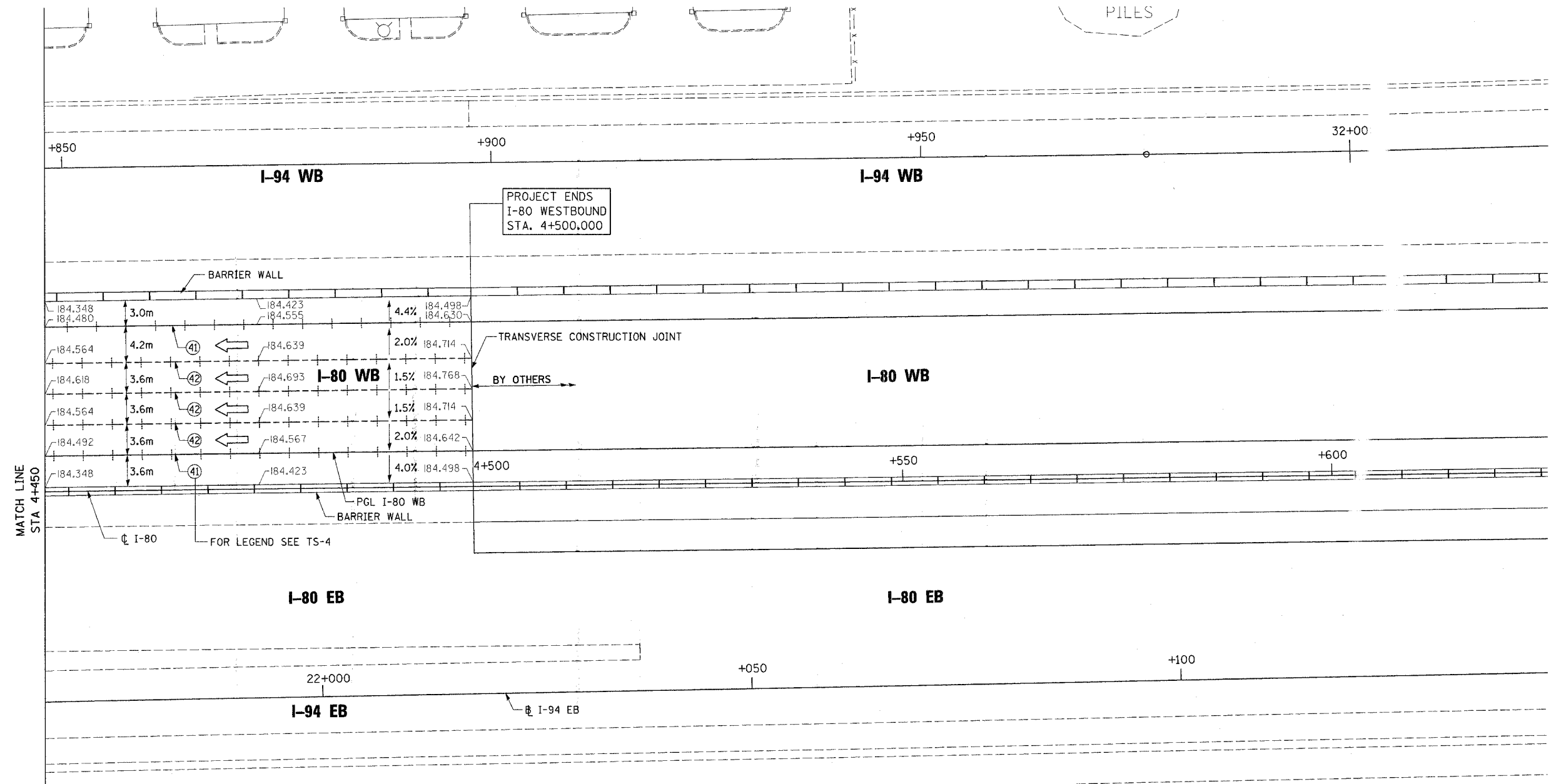
PAVEMENT ELEVATIONS AND DETAILS

SCALE: 1:250
DATE: JULY 18, 2005

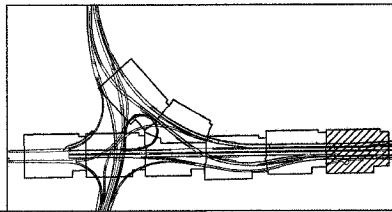
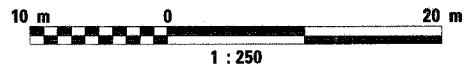
DRAWN BY: CTT
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	121
STA. 4+450.00		TO STA. 4+500.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		



PD-10



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

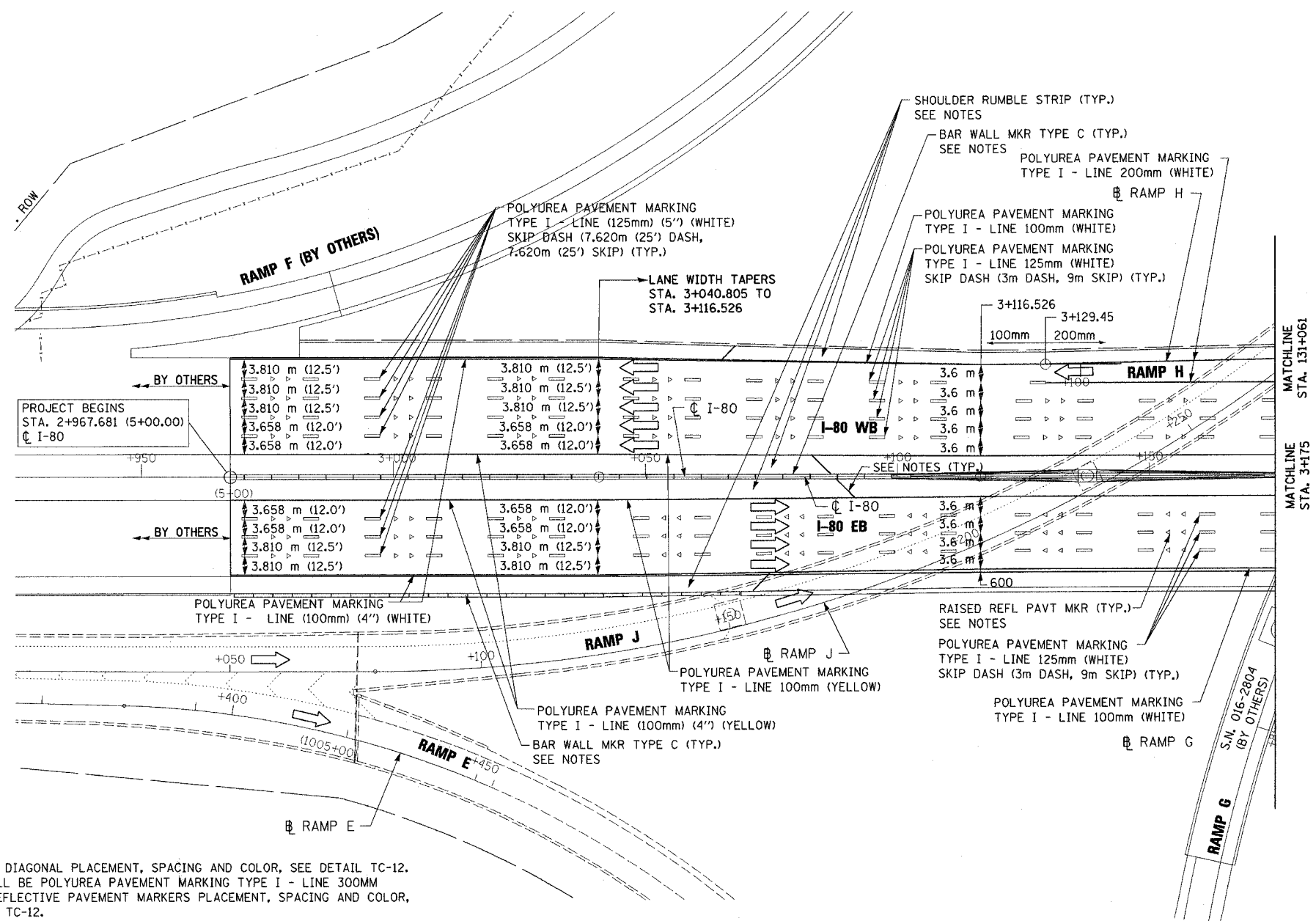
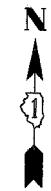
PAVEMENT ELEVATIONS AND DETAILS

SCALE: 1:250
 DATE: JULY 18, 2005

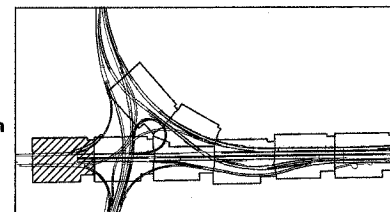
DRAWN BY: CTT
 CHECKED BY: RCH

McDonough Associates Inc.
 Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	122
STA. 2+967.681		TO STA. 3+175.00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		



- NOTES:
1. FOR SHOULDER DIAGONAL PLACEMENT, SPACING AND COLOR, SEE DETAIL TC-12. MATERIAL SHALL BE POLYUREA PAVEMENT MARKING TYPE I - LINE 300MM
 2. FOR RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT, SPACING AND COLOR, SEE STANDARD TC-12.
 3. FOR BARRIER WALL MARKERS, TYPE C PLACEMENT, SPACING AND COLOR, SEE STANDARD 635001 AND 635006.
 4. FOR SHOULDER RUMBLE STRIP PLACEMENT AND SPACING, SEE STANDARD 642001.
 5. FOR PAVEMENT MARKINGS AND SHOULDER RUMBLE STRIPS TO BE PLACED ON 4.2m PAVEMENT SEE "DETAILS FOR PLACEMENT OF PAVEMENT MARKING AND SHOULDER RUMBLE STRIPS ON 4.2m PAVEMENT" SHEET MD-10.



REVISIONS	
NAME	DATE

PM-1

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

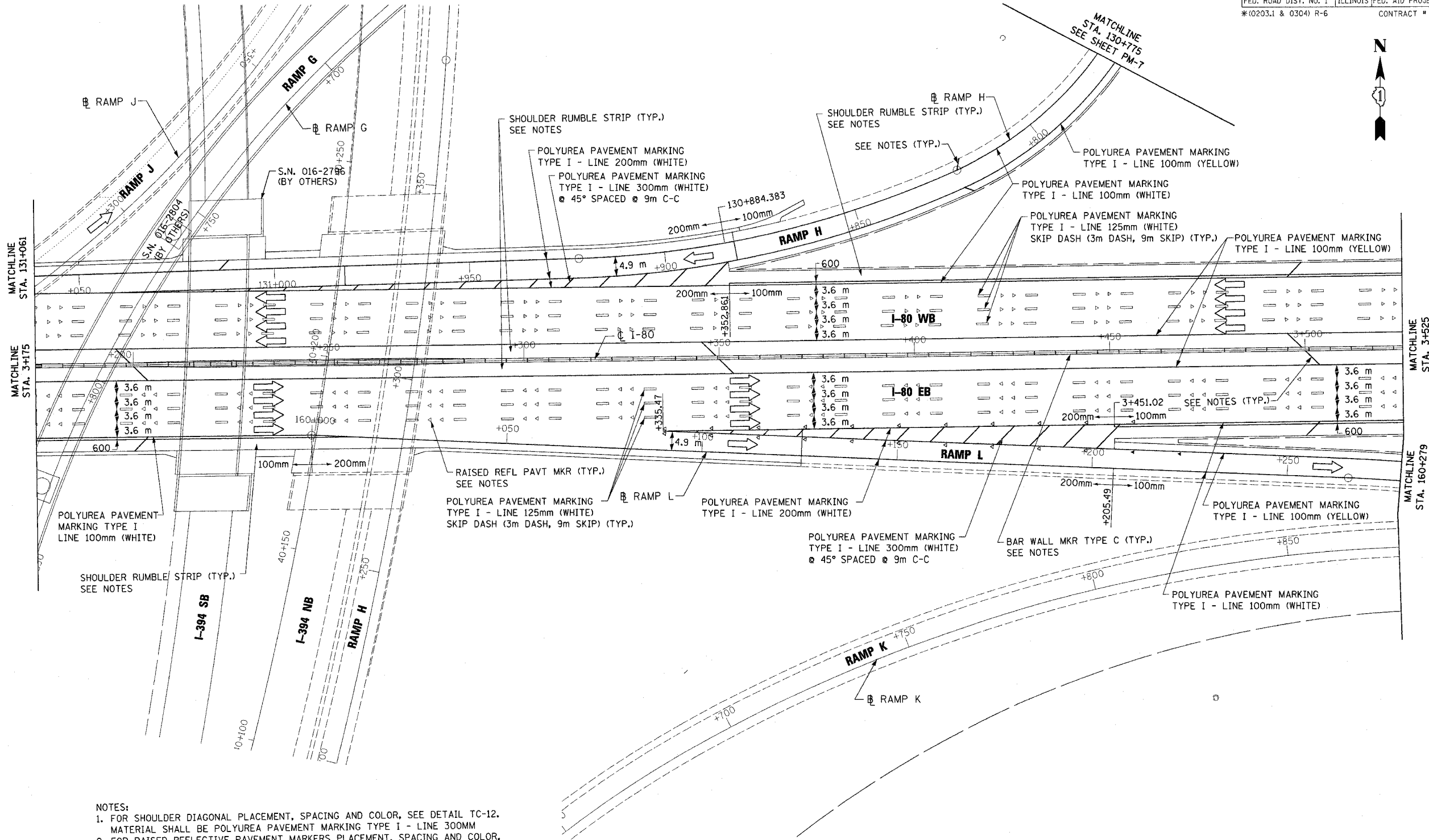
FINAL PAVEMENT MARKINGS

DATE: JULY 18, 2005

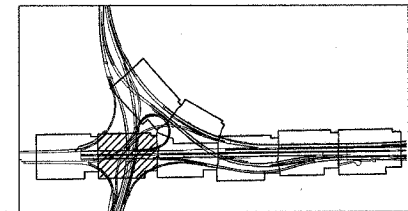
DRAWN BY: CTT
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	123
STA. 3+175.00		TO STA. 3+525.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		



- NOTES:
1. FOR SHOULDER DIAGONAL PLACEMENT, SPACING AND COLOR, SEE DETAIL TC-12. MATERIAL SHALL BE POLYUREA PAVEMENT MARKING TYPE I - LINE 300MM
 2. FOR RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT, SPACING AND COLOR, SEE STANDARD TC-12.
 3. FOR BARRIER WALL MARKERS, TYPE C PLACEMENT, SPACING AND COLOR, SEE STANDARD 635001 AND 635006.
 4. FOR SHOULDER RUMBLE STRIP PLACEMENT AND SPACING, SEE STANDARD 642001.
 5. FOR PAVEMENT MARKINGS AND SHOULDER RUMBLE STRIPS TO BE PLACED ON 4.2m PAVEMENT SEE "DETAILS FOR PLACEMENT OF PAVEMENT MARKING AND SHOULDER RUMBLE STRIPS ON 4.2m PAVEMENT" SHEET MD-10.



REVISIONS	
NAME	DATE

PM-2

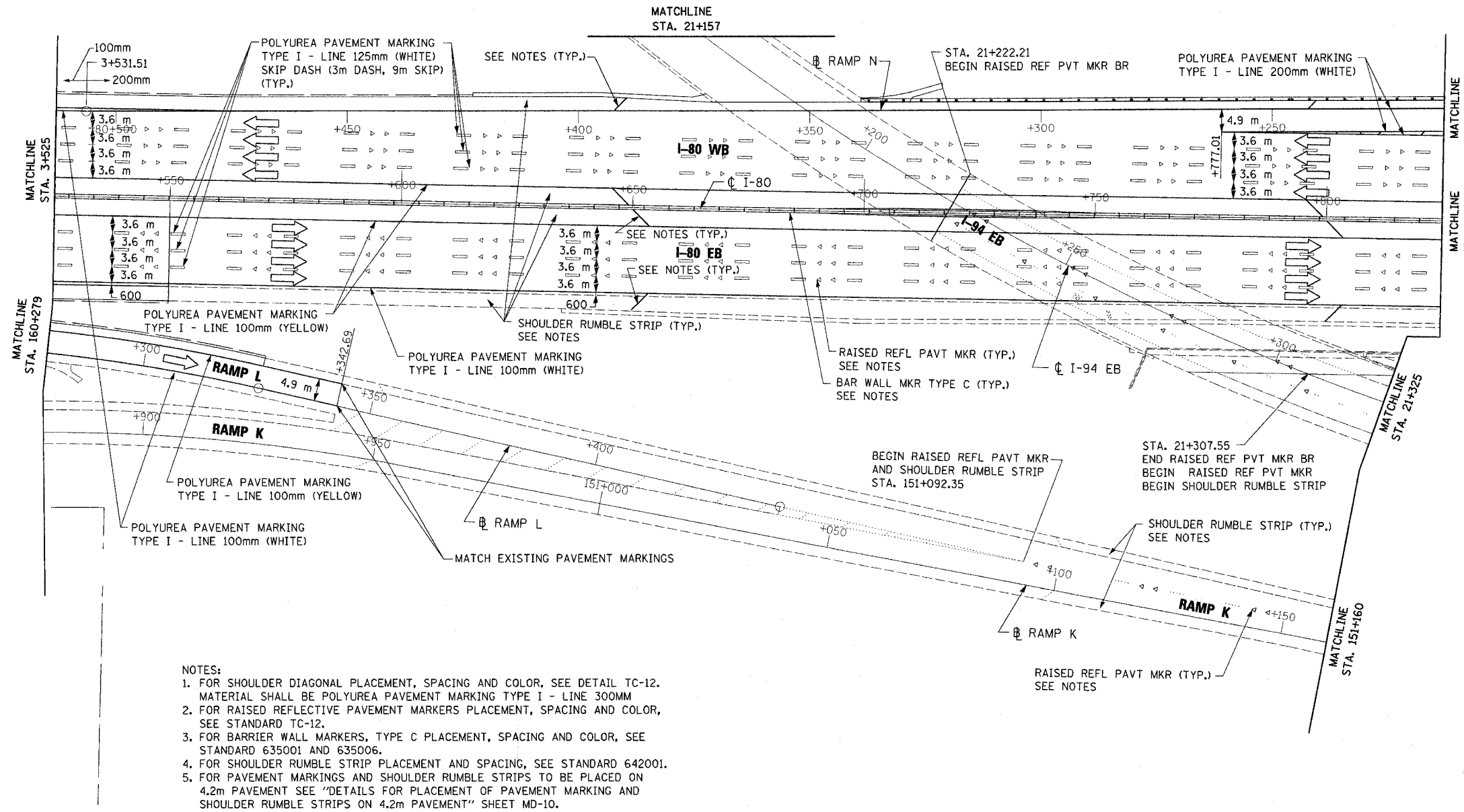
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

FINAL PAVEMENT MARKINGS

DATE: JULY 18, 2005
DRAWN BY: CTT
CHECKED BY: RCH

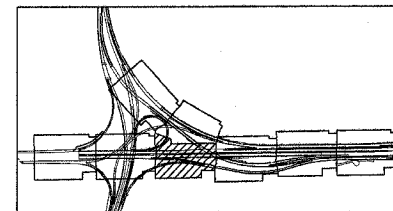
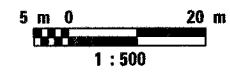
McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	124
STA. 3+525.00		TO STA. 3+825.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* (0203.1 & 0304) R-6		CONTRACT # 62105		



- NOTES:
1. FOR SHOULDER DIAGONAL PLACEMENT, SPACING AND COLOR, SEE DETAIL TC-12. MATERIAL SHALL BE POLYUREA PAVEMENT MARKING TYPE I - LINE 300MM
 2. FOR RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT, SPACING AND COLOR, SEE STANDARD TC-12.
 3. FOR BARRIER WALL MARKERS, TYPE C PLACEMENT, SPACING AND COLOR, SEE STANDARD 635001 AND 635006.
 4. FOR SHOULDER RUMBLE STRIP PLACEMENT AND SPACING, SEE STANDARD 642001.
 5. FOR PAVEMENT MARKINGS AND SHOULDER RUMBLE STRIPS TO BE PLACED ON 4.2m PAVEMENT SEE "DETAILS FOR PLACEMENT OF PAVEMENT MARKING AND SHOULDER RUMBLE STRIPS ON 4.2m PAVEMENT" SHEET MD-10.

PM-3



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

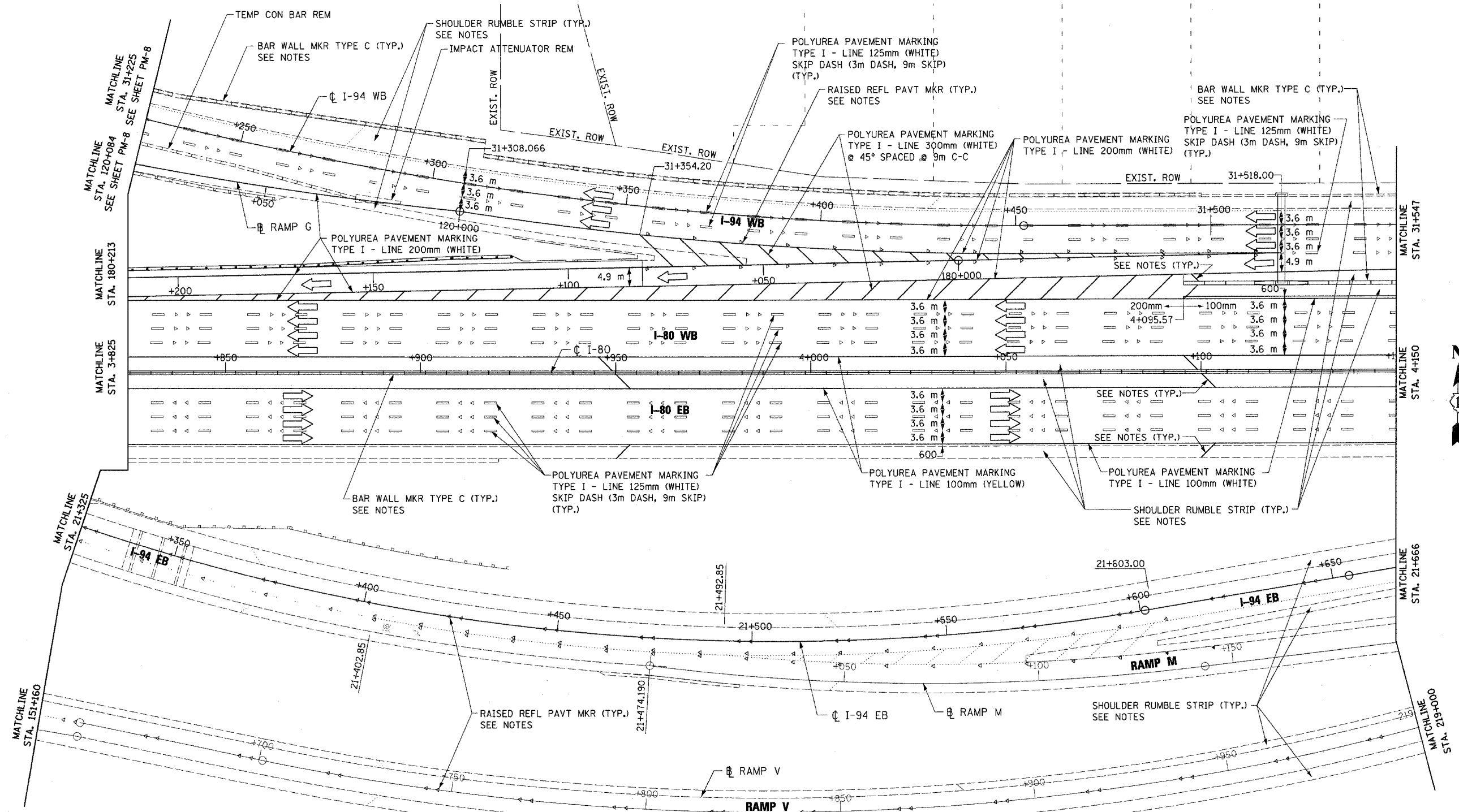
FINAL PAVEMENT MARKINGS

DATE: JULY 18, 2005

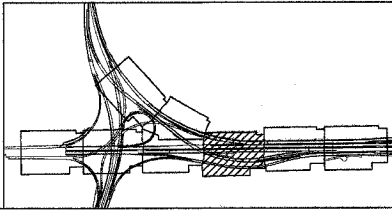
DRAWN BY: CTT
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	125
STA. 3+825.00		TO STA. 4+150.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		



- NOTES:
1. FOR SHOULDER DIAGONAL PLACEMENT, SPACING AND COLOR, SEE DETAIL TC-12. MATERIAL SHALL BE POLYUREA PAVEMENT MARKING TYPE I - LINE 300MM
 2. FOR RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT, SPACING AND COLOR, SEE STANDARD TC-12.
 3. FOR BARRIER WALL MARKERS, TYPE C PLACEMENT, SPACING AND COLOR, SEE STANDARD 635001 AND 635006.
 4. FOR SHOULDER RUMBLE STRIP PLACEMENT AND SPACING, SEE STANDARD 642001.
 5. FOR PAVEMENT MARKINGS AND SHOULDER RUMBLE STRIPS TO BE PLACED ON 4.2m PAVEMENT SEE "DETAILS FOR PLACEMENT OF PAVEMENT MARKING AND SHOULDER RUMBLE STRIPS ON 4.2m PAVEMENT" SHEET MD-10.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

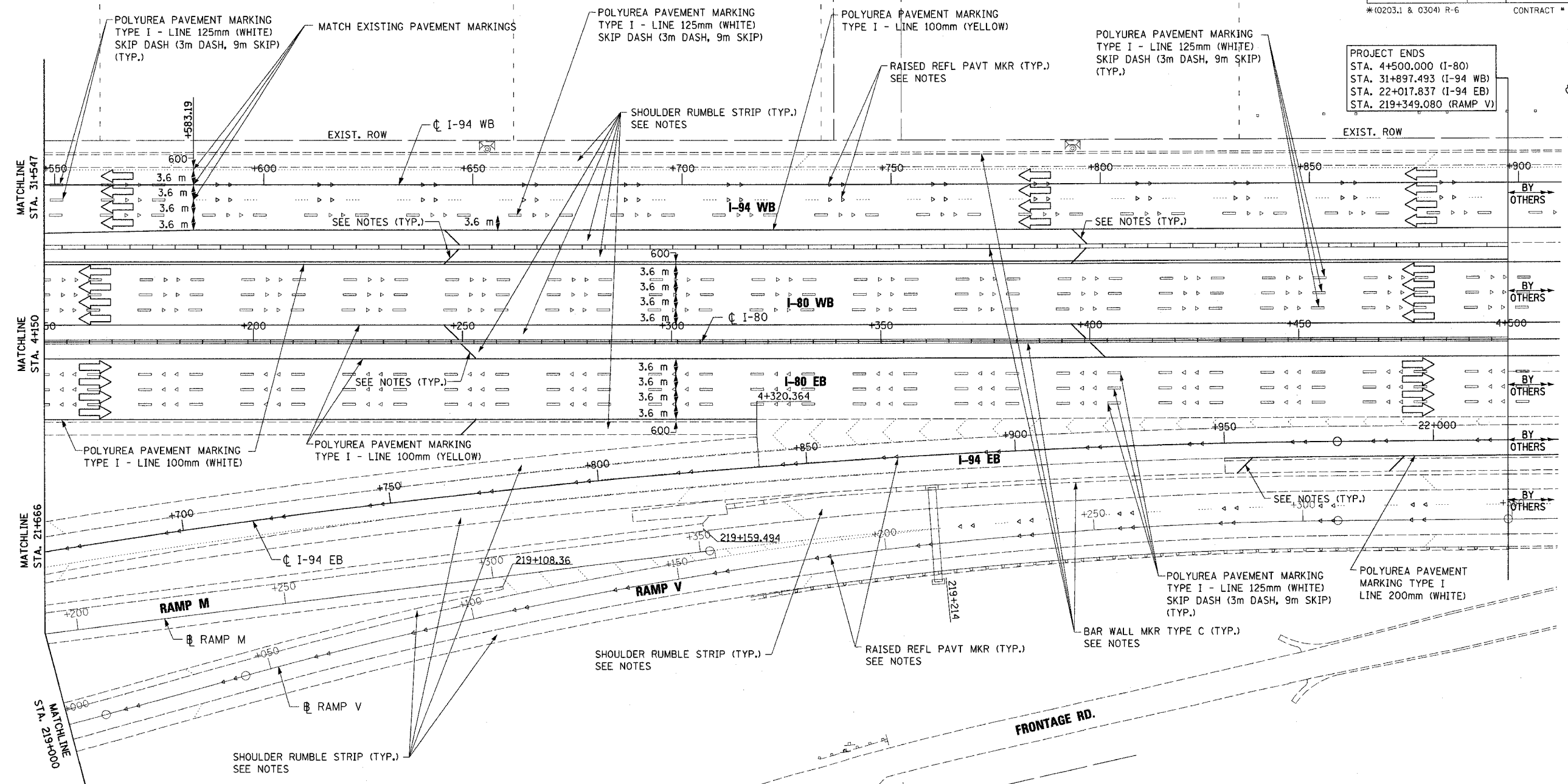
FINAL PAVEMENT MARKINGS

DATE: JULY 18, 2005
 DRAWN BY: CTT
 CHECKED BY: RCH

McDonough Associates Inc.
 Engineers / Architects

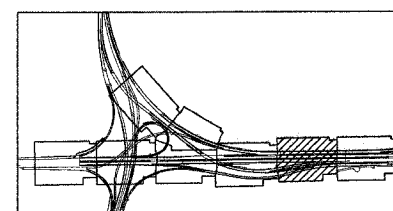
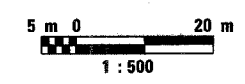
PM-4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	126
STA. 4+150.00		TO STA. 4+500.00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		



PROJECT ENDS
 STA. 4+500.000 (I-80)
 STA. 31+897.493 (I-94 WB)
 STA. 22+017.837 (I-94 EB)
 STA. 219+349.080 (RAMP V)

- NOTES:
1. FOR SHOULDER DIAGONAL PLACEMENT, SPACING AND COLOR, SEE DETAIL TC-12. MATERIAL SHALL BE POLYUREA PAVEMENT MARKING TYPE I - LINE 300MM
 2. FOR RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT, SPACING AND COLOR, SEE STANDARD TC-12.
 3. FOR BARRIER WALL MARKERS, TYPE C PLACEMENT, SPACING AND COLOR, SEE STANDARD 635001 AND 635006.
 4. FOR SHOULDER RUMBLE STRIP PLACEMENT AND SPACING, SEE STANDARD 642001.
 5. FOR PAVEMENT MARKINGS AND SHOULDER RUMBLE STRIPS TO BE PLACED ON 4.2m PAVEMENT SEE "DETAILS FOR PLACEMENT OF PAVEMENT MARKING AND SHOULDER RUMBLE STRIPS ON 4.2m PAVEMENT" SHEET MD-10.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

FINAL PAVEMENT MARKINGS

DATE: JULY 18, 2005

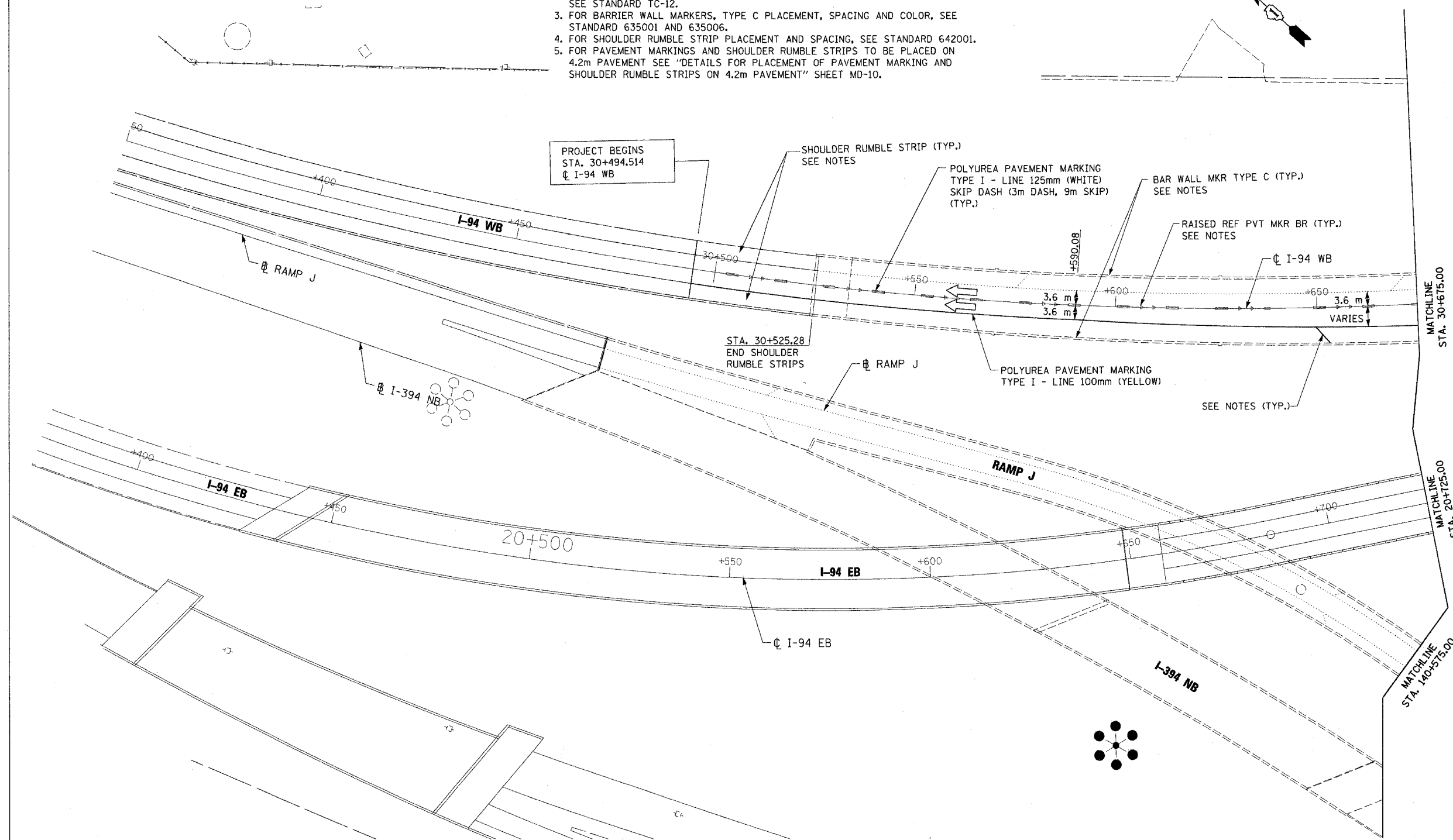
DRAWN BY: CTT
 CHECKED BY: RCH

McDonough Associates Inc.
 Engineers / Architects

PM-5

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	127
STA. 30+350.00		TO STA. 30+675.00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		

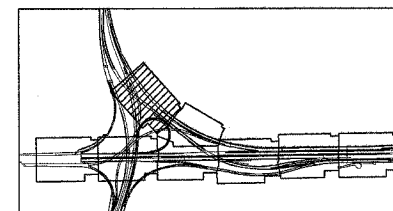
- NOTES:
- FOR SHOULDER DIAGONAL PLACEMENT, SPACING AND COLOR, SEE DETAIL TC-12. MATERIAL SHALL BE POLYUREA PAVEMENT MARKING TYPE I - LINE 300MM
 - FOR RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT, SPACING AND COLOR, SEE STANDARD TC-12.
 - FOR BARRIER WALL MARKERS, TYPE C PLACEMENT, SPACING AND COLOR, SEE STANDARD 635001 AND 635006.
 - FOR SHOULDER RUMBLE STRIP PLACEMENT AND SPACING, SEE STANDARD 642001.
 - FOR PAVEMENT MARKINGS AND SHOULDER RUMBLE STRIPS TO BE PLACED ON 4.2m PAVEMENT SEE "DETAILS FOR PLACEMENT OF PAVEMENT MARKING AND SHOULDER RUMBLE STRIPS ON 4.2m PAVEMENT" SHEET MD-10.



PROJECT BEGINS
STA. 30+494.514
CL I-94 WB

STA. 30+525.28
END SHOULDER
RUMBLE STRIPS

PM-6



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

FINAL PAVEMENT MARKINGS

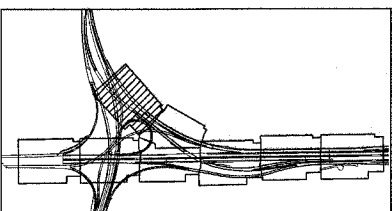
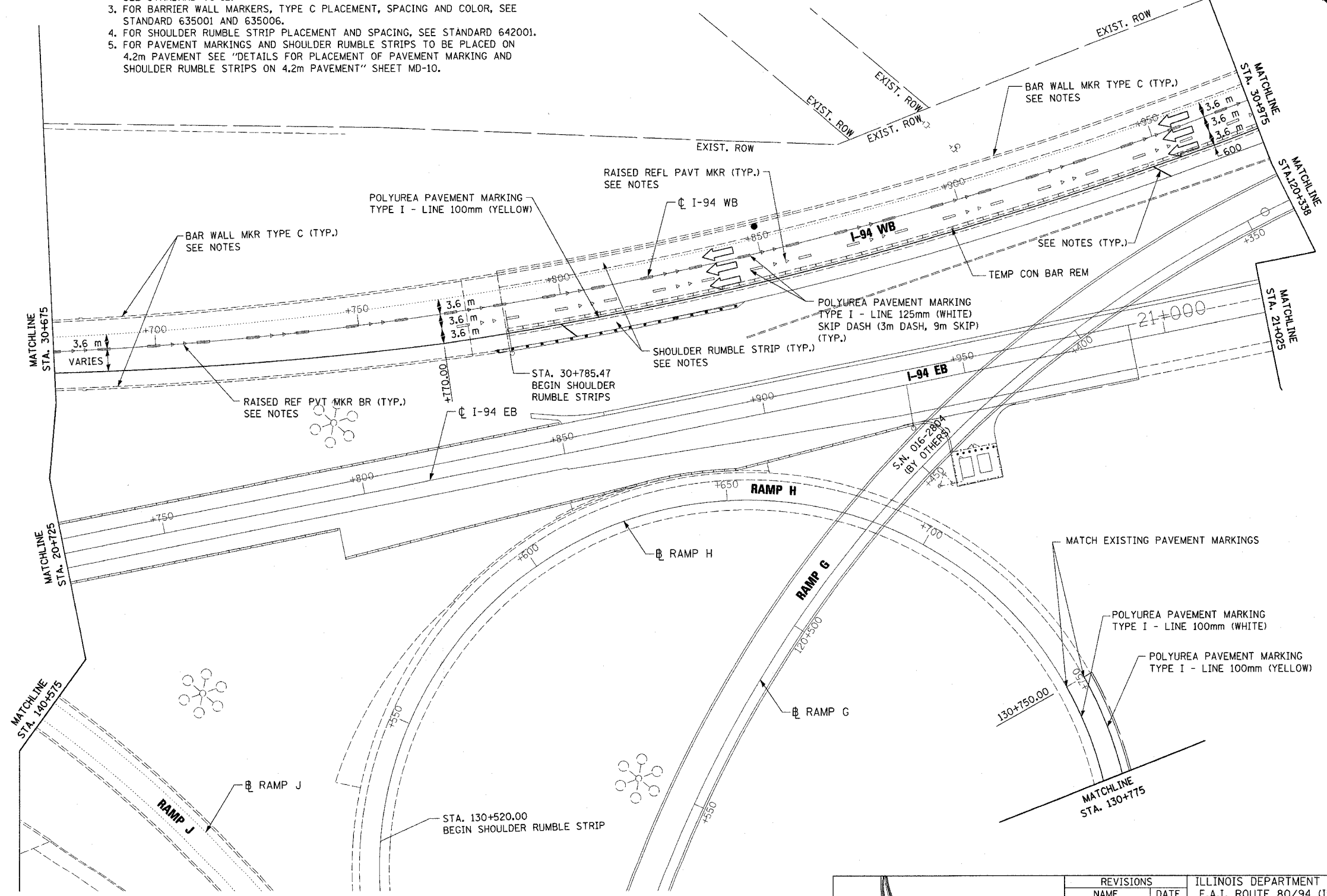
DATE: JULY 18, 2005

DRAWN BY: CTT
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	128
STA. 30+675.00		TO STA. 30+975.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*10203.1 & 0304) R-6		CONTRACT # 62105		

- NOTES:
- FOR SHOULDER DIAGONAL PLACEMENT, SPACING AND COLOR, SEE DETAIL TC-12. MATERIAL SHALL BE POLYUREA PAVEMENT MARKING TYPE I - LINE 300MM
 - FOR RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT, SPACING AND COLOR, SEE STANDARD TC-12.
 - FOR BARRIER WALL MARKERS, TYPE C PLACEMENT, SPACING AND COLOR, SEE STANDARD 635001 AND 635006.
 - FOR SHOULDER RUMBLE STRIP PLACEMENT AND SPACING, SEE STANDARD 642001.
 - FOR PAVEMENT MARKINGS AND SHOULDER RUMBLE STRIPS TO BE PLACED ON 4.2m PAVEMENT SEE "DETAILS FOR PLACEMENT OF PAVEMENT MARKING AND SHOULDER RUMBLE STRIPS ON 4.2m PAVEMENT" SHEET MD-10.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

PM-7

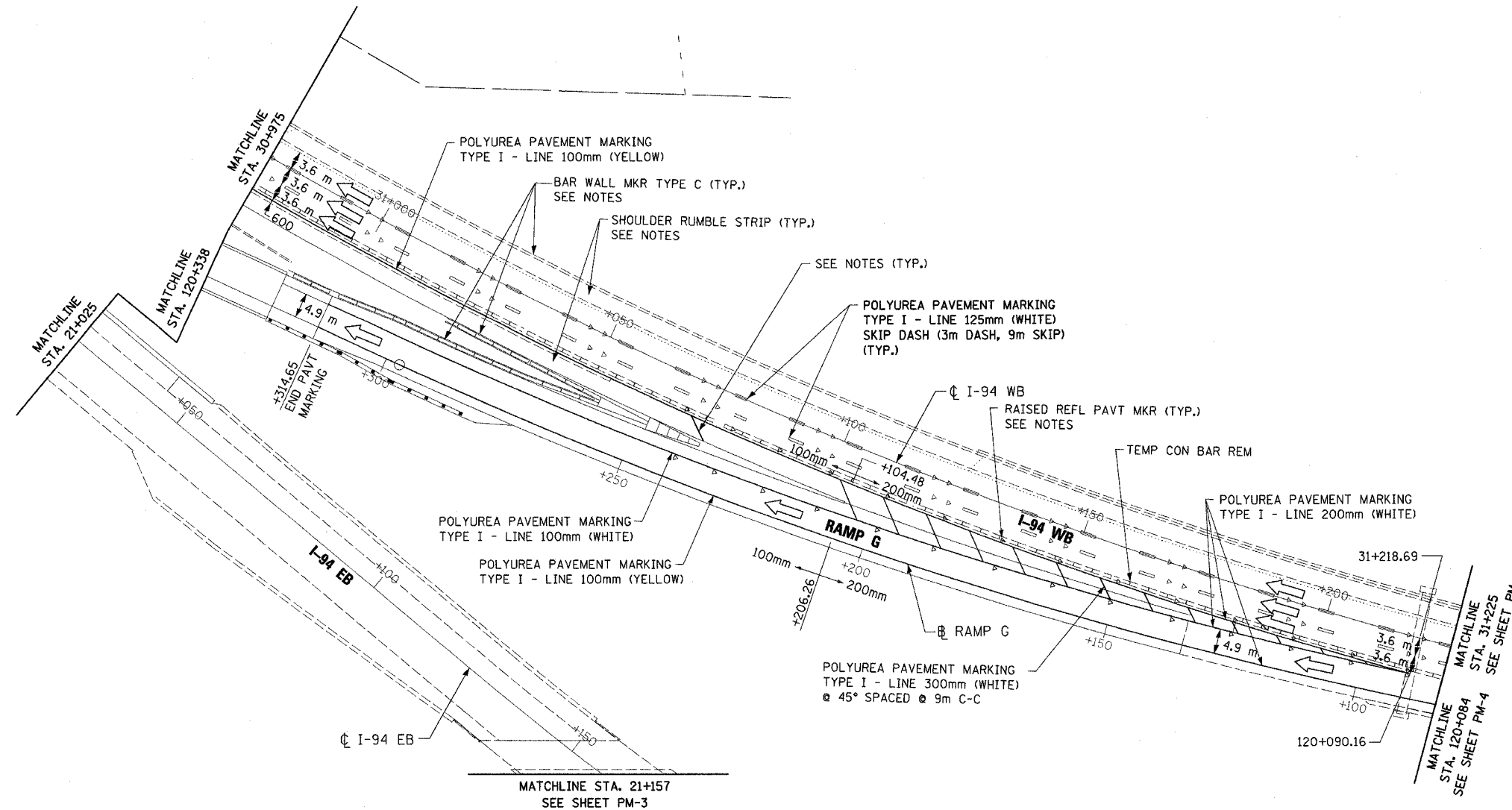
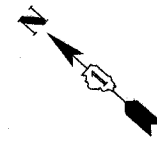
FINAL PAVEMENT MARKINGS

DATE: JULY 18, 2005

DRAWN BY: CTT
CHECKED BY: RCH

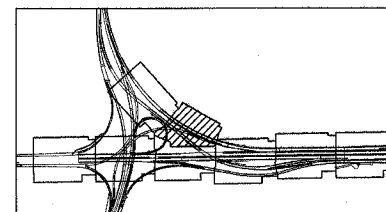
McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	129
STA. 30+975.00		TO STA. 31+225.00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6			CONTRACT # 62105	



- NOTES:
1. FOR SHOULDER DIAGONAL PLACEMENT, SPACING AND COLOR, SEE DETAIL TC-12. MATERIAL SHALL BE POLYUREA PAVEMENT MARKING TYPE I - LINE 300MM
 2. FOR RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT, SPACING AND COLOR, SEE STANDARD TC-12.
 3. FOR BARRIER WALL MARKERS, TYPE C PLACEMENT, SPACING AND COLOR, SEE STANDARD 635001 AND 635006.
 4. FOR SHOULDER RUMBLE STRIP PLACEMENT AND SPACING, SEE STANDARD 642001.
 5. FOR PAVEMENT MARKINGS AND SHOULDER RUMBLE STRIPS TO BE PLACED ON 4.2m PAVEMENT SEE "DETAILS FOR PLACEMENT OF PAVEMENT MARKING AND SHOULDER RUMBLE STRIPS ON 4.2m PAVEMENT" SHEET MD-10.

PM-8



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

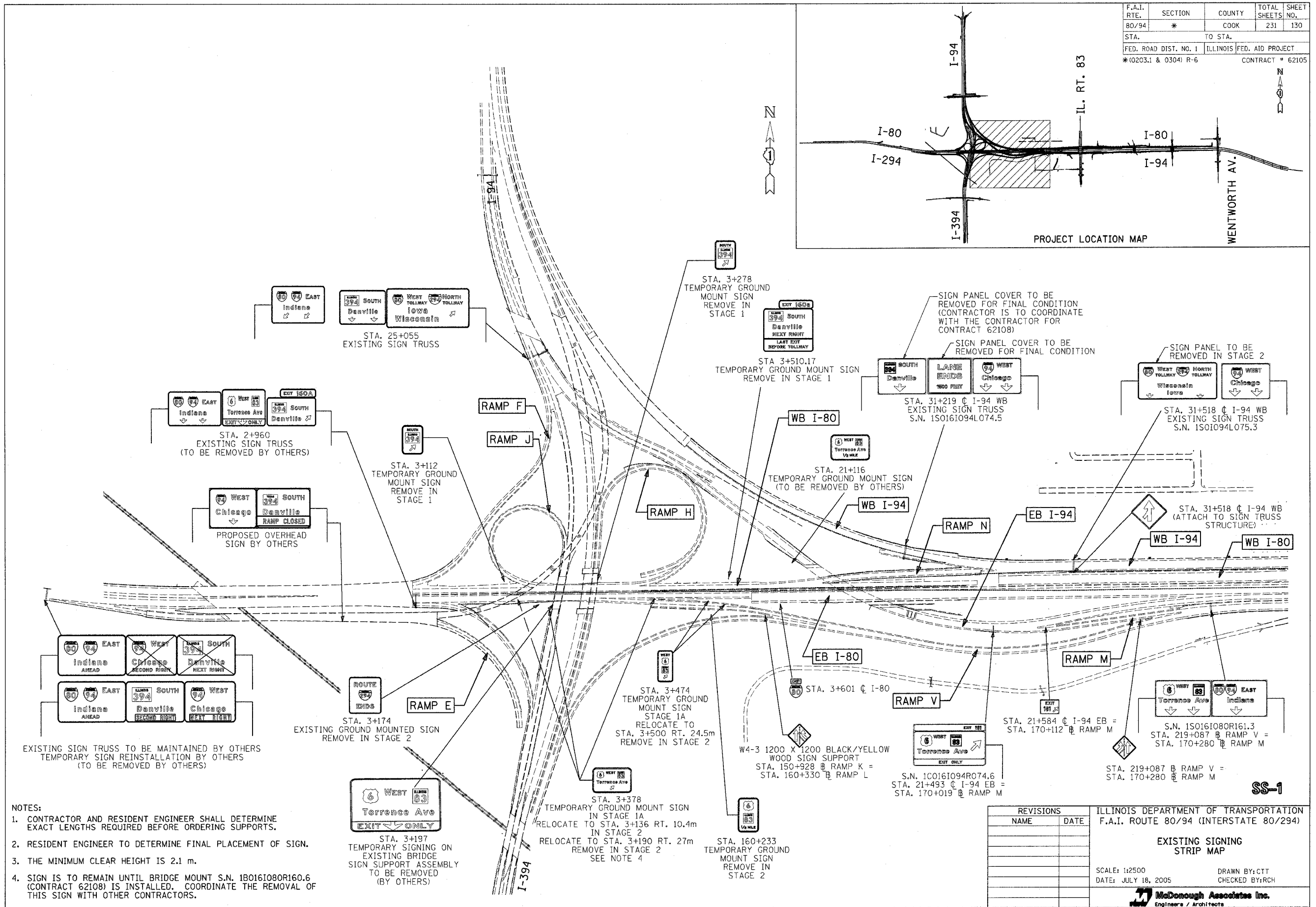
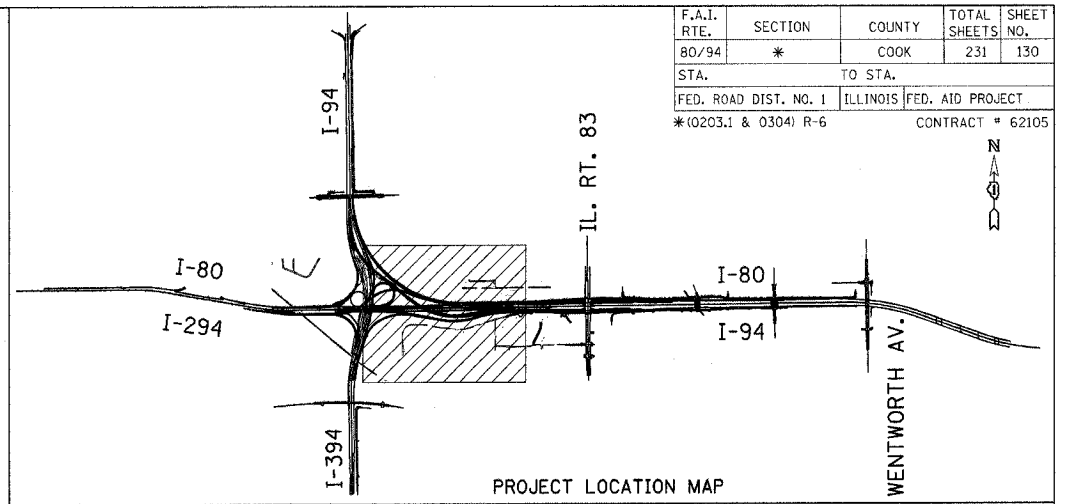
FINAL PAVEMENT MARKINGS

DATE: JULY 18, 2005

DRAWN BY: CTT
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	130
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		



- NOTES:
1. CONTRACTOR AND RESIDENT ENGINEER SHALL DETERMINE EXACT LENGTHS REQUIRED BEFORE ORDERING SUPPORTS.
 2. RESIDENT ENGINEER TO DETERMINE FINAL PLACEMENT OF SIGN.
 3. THE MINIMUM CLEAR HEIGHT IS 2.1 m.
 4. SIGN IS TO REMAIN UNTIL BRIDGE MOUNT S.N. 1B0161080R160.6 (CONTRACT 62108) IS INSTALLED. COORDINATE THE REMOVAL OF THIS SIGN WITH OTHER CONTRACTORS.

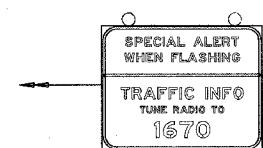
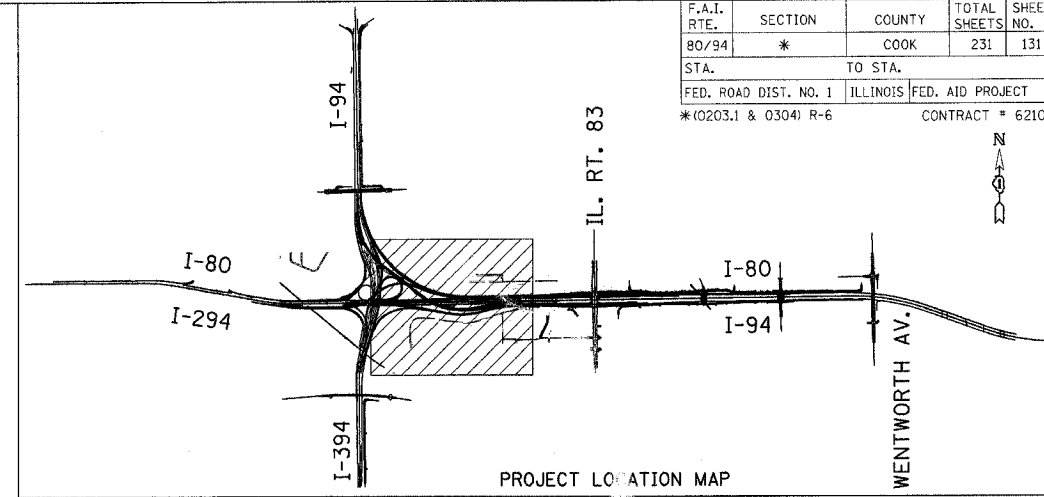
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		<p>EXISTING SIGNING STRIP MAP</p> <p>SCALE: 1:2500 DRAWN BY:CTT</p> <p>DATE: JULY 18, 2005 CHECKED BY:RCH</p> <p>McDonough Associates Inc. Engineers / Architects</p>

McDonough Associates Inc. 01/17/2006 10:54:08 AM

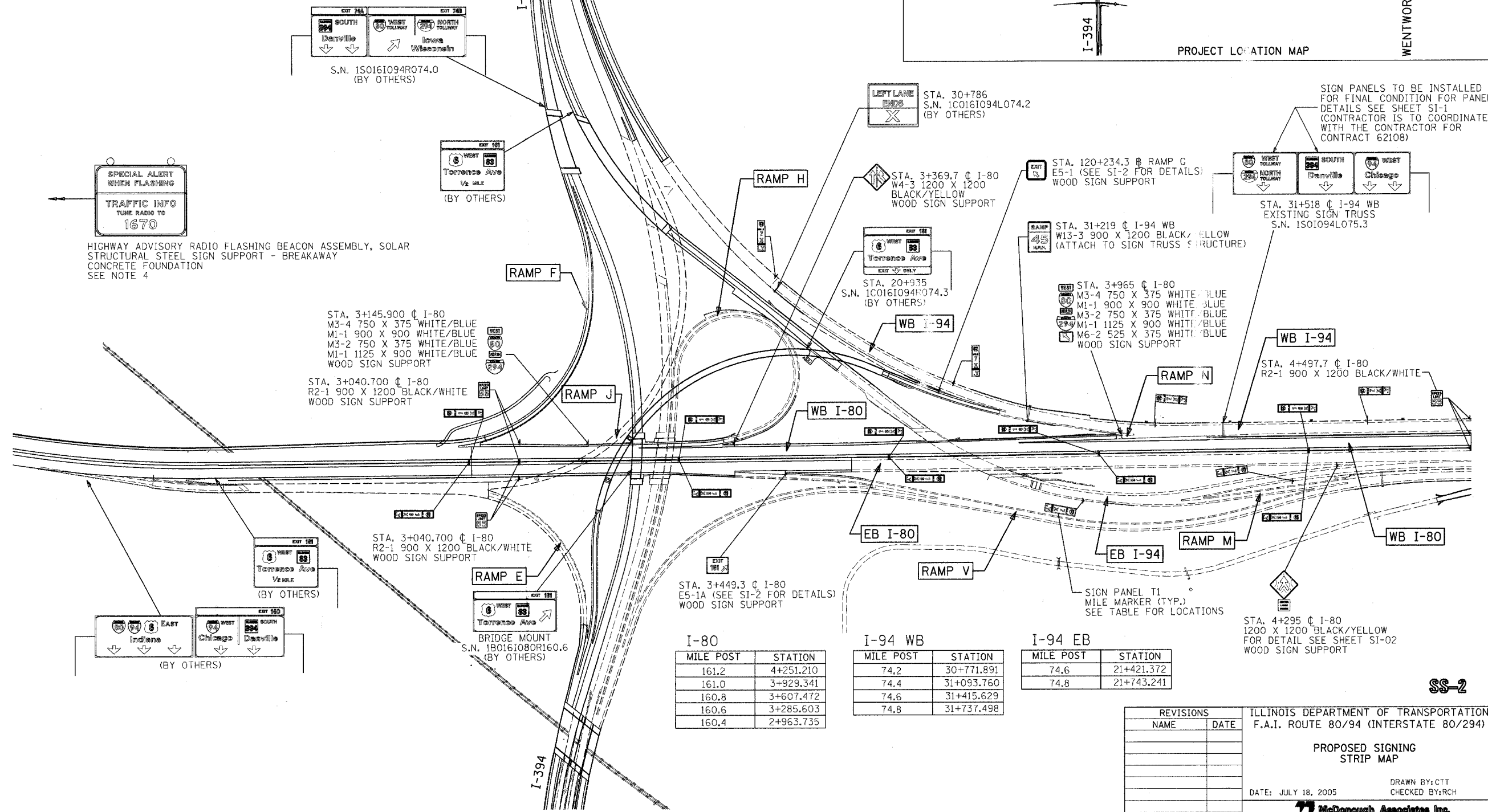
NOTES:

1. CONTRACTOR AND RESIDENT ENGINEER SHALL DETERMINE EXACT LENGTHS REQUIRED BEFORE ORDERING SUPPORTS.
2. RESIDENT ENGINEER TO DETERMINE FINAL PLACEMENT OF SIGN.
3. THE MINIMUM CLEAR HEIGHT IS 2.1 m.
4. THE CONTRACTOR SHALL FURNISH AND INSTALL A HIGHWAY ADVISORY RADIO FLASHING BEACON ASSEMBLY, SOLAR, ON A GROUND MOUNTED SIGN ASSEMBLY FOR EASTBOUND TRAFFIC AS SHOWN ON SHEET SI-3. THE LOCATION SHALL BE APPROXIMATELY ONE MILE WEST OF THE WEST PROJECT LIMITS AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL COORDINATE THE SCHEDULE OF SIGN INSTALLATION WITH THE ISTHA CONSTRUCTION SCHEDULE.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	131
STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
		*(0203.1 & 0304) R-6 CONTRACT # 62105		



HIGHWAY ADVISORY RADIO FLASHING BEACON ASSEMBLY, SOLAR STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY CONCRETE FOUNDATION SEE NOTE 4



STA. 3+145.900 @ I-80
M3-4 750 X 375 WHITE/BLUE
M1-1 900 X 900 WHITE/BLUE
M3-2 750 X 375 WHITE/BLUE
M1-1 1125 X 900 WHITE/BLUE
WOOD SIGN SUPPORT

STA. 3+040.700 @ I-80
R2-1 900 X 1200 BLACK/WHITE
WOOD SIGN SUPPORT

STA. 3+040.700 @ I-80
R2-1 900 X 1200 BLACK/WHITE
WOOD SIGN SUPPORT

I-80

MILE POST	STATION
161.2	4+251.210
161.0	3+929.341
160.8	3+607.472
160.6	3+285.603
160.4	2+963.735

I-94 WB

MILE POST	STATION
74.2	30+771.891
74.4	31+093.760
74.6	31+415.629
74.8	31+737.498

I-94 EB

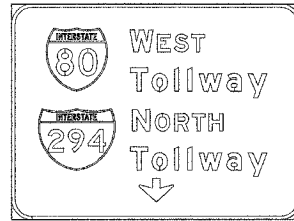
MILE POST	STATION
74.6	21+421.372
74.8	21+743.241

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
PROPOSED SIGNING STRIP MAP
DRAWN BY: CTT
CHECKED BY: RCH
DATE: JULY 18, 2005
McDonough Associates Inc.
Engineers / Architects

SS-2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	132
STA.			TO STA.	
FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT	
* (0203.1 & 0304) R-6			CONTRACT # 62105	



SIGN NUMBER	1501094L075.3-LT
WIDTH x HGT.	4270mm x 3870mm
BORDER WIDTH	50mm
CORNER RADIUS	225mm
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT
MI_1	538	2668	900	900
MI_1	425	1194	1125	900
ARDOWN	1736	300	800	550

Dimensions are in mm
Letter locations are panel edge to lower left corner

Y FONT	LETTER POSITIONS (X)							LENGTH	SERIES/SIZE
3115	W	E	S	T					EM375,EM300
EM 1950	2420	2707	3013					1286	
2630	T	O	L	L	W	A	Y		EM250
EM 1950	2189	2464	2702	2906	3190	3461		1765	
1686	N	O	R	T	H				EM375,EM300
EM 1950	2342	2672	2978	3264				1558	
1201	T	O	L	L	W	A	Y		EM250
EM 1950	2189	2464	2702	2906	3190	3461		1765	

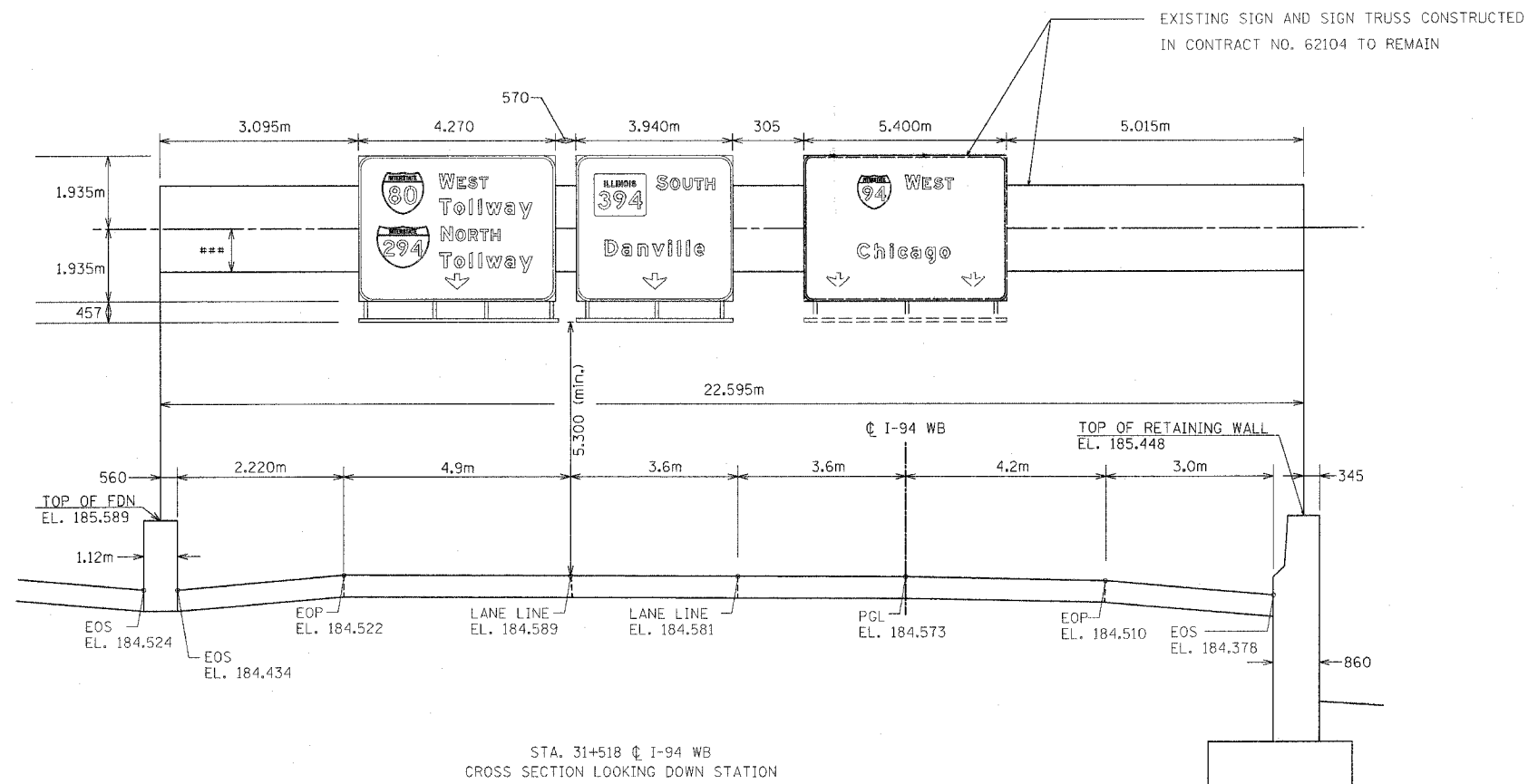


SIGN NUMBER	1501094L075.3-CN
WIDTH x HGT.	3940mm x 3870mm
BORDER WIDTH	50mm
CORNER RADIUS	225mm
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT
MI45_3	450	2520	1125	900
ARDOWN	1571	450	800	550

Dimensions are in mm
Letter locations are panel edge to lower left corner

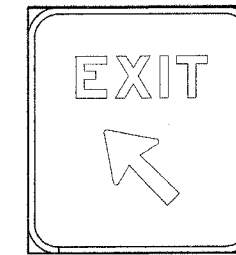
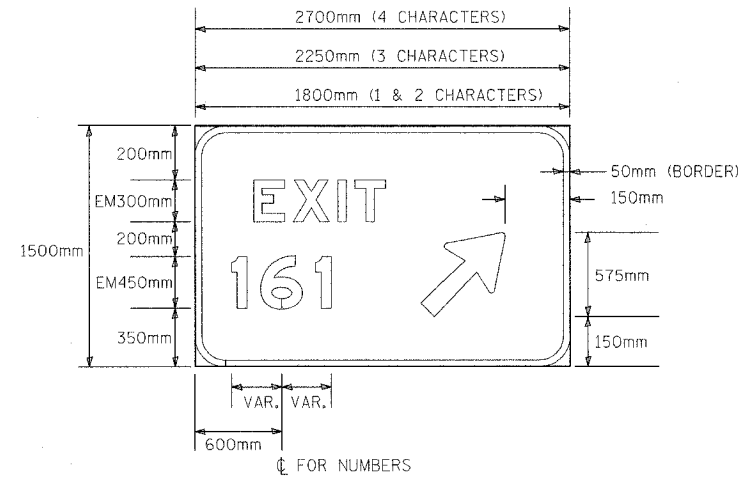
Y FONT	LETTER POSITIONS (X)							LENGTH	SERIES/SIZE
3045	S	O	U	T	H				EM375,EM300
EM 1950	2325	2655	2961	3247				1540	
1300	D	a	n	v	i	l	e		EM400,EM300
EM 692	1121	1535	1909	2322	2557	2789	2990	2558	



SI-1

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		SIGN PANEL MOUNTING DETAILS
		DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH
		 McDonough Associates Inc. Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	133
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*10203.1 & 0304 R-6		CONTRACT # 62105		

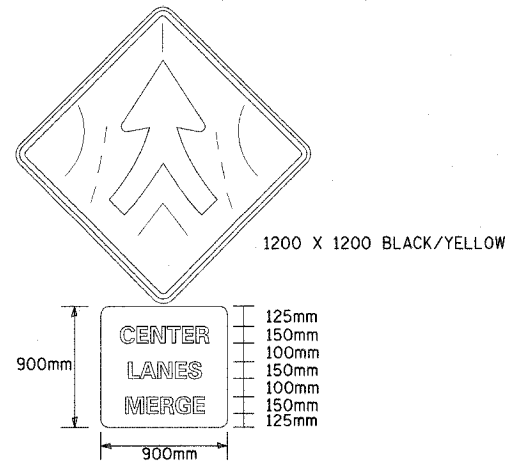


SIGN NUMBER	
WIDTH x HGHT.	1660mm x 1780mm
BORDER WIDTH	50mm
CORNER RADIUS	225mm
MOUNTING	GROUND
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT
ARMED	555	353	450	710

Dimensions are in mm
Letter locations are panel edge to lower left corner

Y	LETTER POSITIONS (X)										LENGTH	SERIES/SIZE
FONT	E	X	I	T								
EM												EM300
1128	352	638	964	1086								958



SI-2

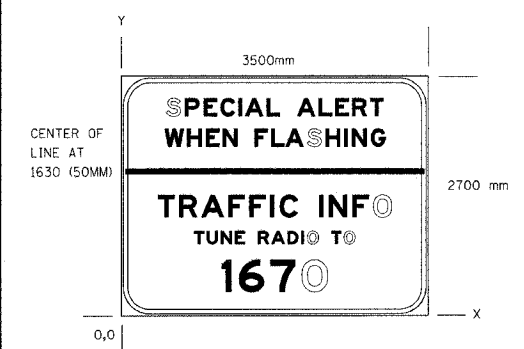
- NOTES:
1. CONTRACTOR AND RESIDENT ENGINEER SHALL DETERMINE EXACT LENGTHS REQUIRED BEFORE ORDERING SUPPORTS.
 2. RESIDENT ENGINEER TO DETERMINE FINAL PLACEMENT OF SIGN.
 3. THE MINIMUM CLEAR HEIGHT IS 2.1 m.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		SIGN PANEL MOUNTING DETAILS
		DRAWN BY: CTT CHECKED BY: RCH
		DATE: JULY 18, 2005
		McDonough Associates Inc. Engineers / Architects

ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	133A
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		

SIGN DETAIL

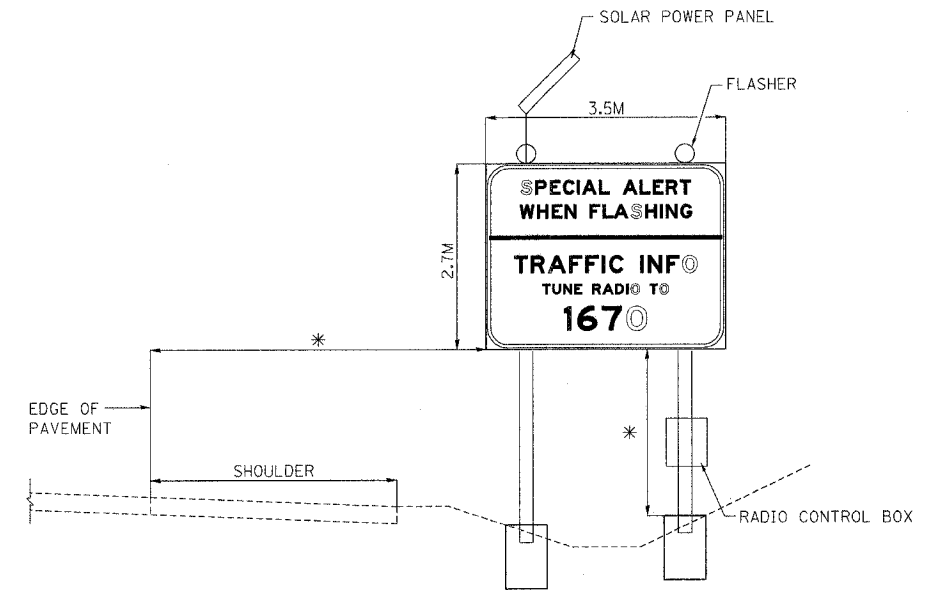


SIGN NUMBER	IL80-53BS
WIDTH x HEIGHT	3500 X 2700
BORDER WIDTH	50
CORNER RADIUS	225
MOUNTING	GROUND
BACKGROUND	TYPE: REFLECTIVE
	COLOR: YELLOW ABOVE HORIZ. LINE
	BLUE BELOW HORIZ. LINE
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: BLACK ABOVE HORIZ. LINE
	WHITE BELOW HORIZ. LINE

SYMBOL	X	Y	WID	HT

DIMENSIONS IN mm COORDINATES ARE TO LOWER LEFT CORNER

Y FONT	LETTER POSITIONS (X)													HT LEN									
2260	S	P	E	C	I	A	L	A	L	E	R	T											200
E	513	727	941	1133	1336	1419	1658	2007	2252	2443	2634	2838											2474
1915	W	H	E	N	F	L	A	S	H	I	N	G											200
E	497	752	966	1157	1519	1710	1873	2118	2332	2546	2633	2847											2512
1121	T	R	A	F	F	I	C	I	N	F	O											250	
E	421	660	615	1221	1460	1699	1808	2260	2369	2636	2875											2664	
815	T	U	N	E	R	A	D	I	O	T	O											150	
E	833	976	1137	1297	1559	1712	1896	2056	2123	2398	2542											1835	
279	I	6	7	O																		350	
E	1146	1342	1701	2059																		1208	



* DIMENSIONS AS DIRECTED BY THE ENGINEER

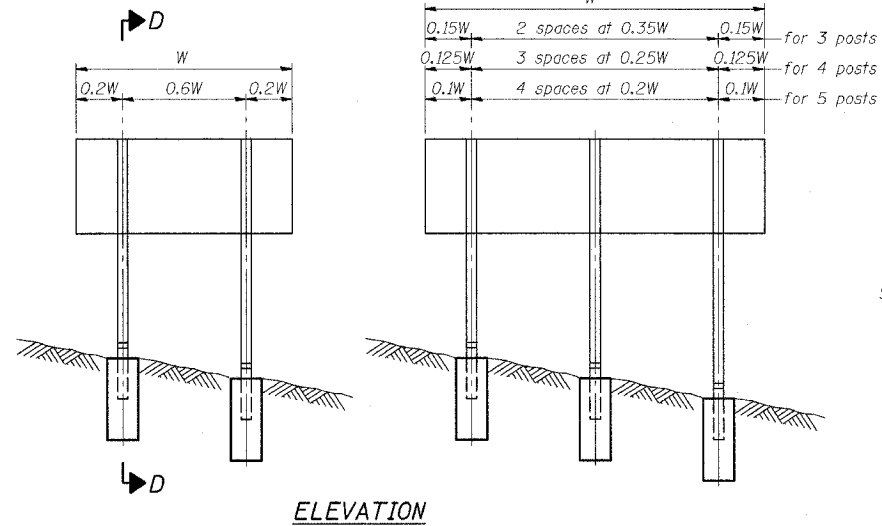
- NOTES:
- SIGN MAINTAINED BY IDOT.
 - DIMENSIONS AND QUANTITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL FIELD VERIFY THE QUANTITIES REQUIRED FOR CONCRETE FOUNDATIONS AND STRUCTURAL STEEL SIGN SUPPORT-BREAKAWAY AFTER THE SIGN LOCATION HAS BEEN DETERMINED BY THE ENGINEER.

SI-3

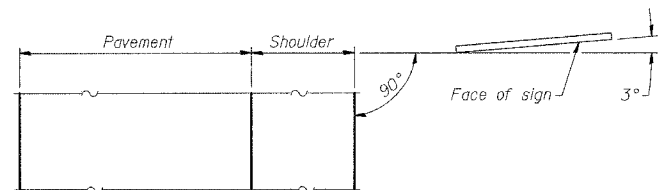
ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
SIGN PANEL MOUNTING DETAILS
HIGHWAY ADVISORY RADIO FLASHING
BEACON SIGN DETAILS
 SCALE _____ DRAWN BY ACE
 DATE 07/05 CHECKED BY _____

REVISIONS	
NAME	DATE

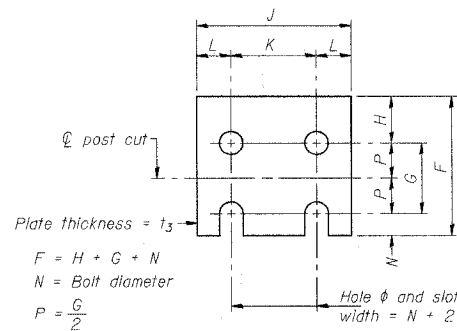
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	133B
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*0203.1 & 0304 R-6		CONTRACT # 62105		



ELEVATION



LOCATION SKETCH



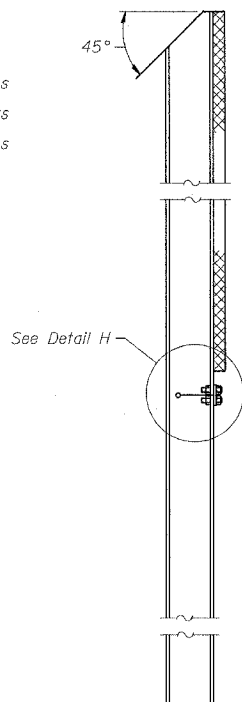
FUSE PLATE DETAIL

(Install with notches down.)

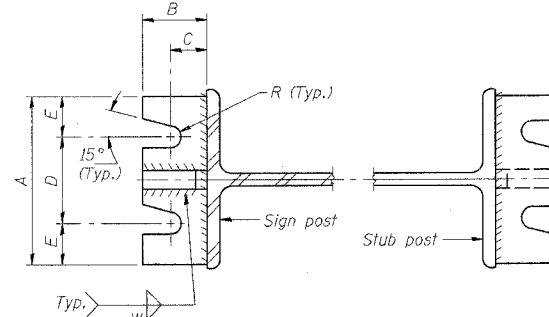
FUSE PLATE DATA		
N = Bolt Diameter	G	H
M12	50	30
M16	60	30
M20	65	35
M22	70	40
M24	75	40
M27	85	45

NUMBER	REVISION	DATE

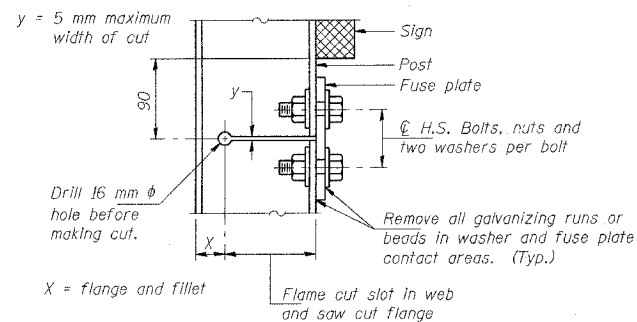
BAW-A-1(M) 11/1/2002



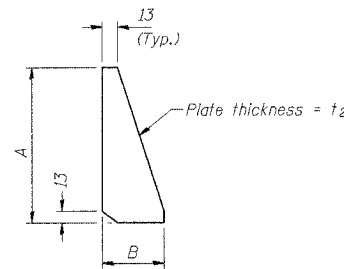
SECTION D-D



SECTION A-A SECTION B-B

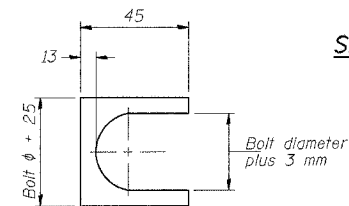


DETAIL H



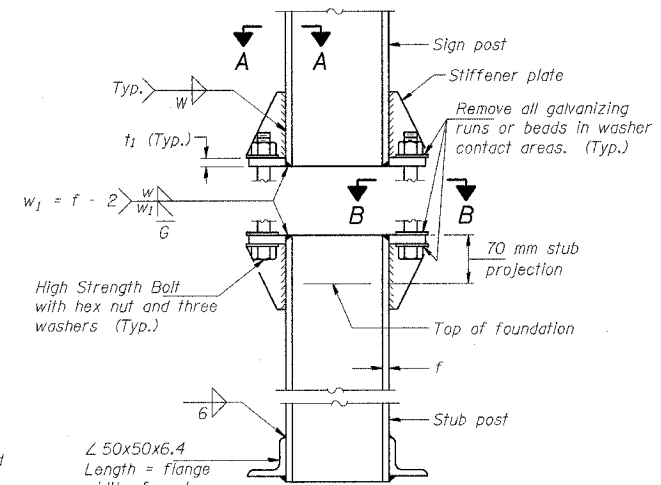
STIFFENER PLATE DETAIL

(See table for dimensions.)



SHIM DETAIL

Furnish two 0.3 mm thick and two 0.8 mm thick stainless steel or brass (ASTM B36) shims per post.



ELEVATION SIGN POST & STUB POST

GENERAL NOTES

MEASUREMENTS: All dimensions are in millimeters (mm) except as noted.

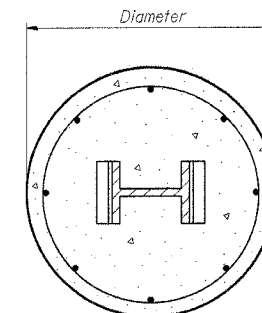
Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 505.04(f)(3), and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 130 km/h wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
 Structural steel - 138 MPa
 Reinforcing steel - 138 MPa
 Concrete - 10 MPa
 Footing soil pressure - 95 kPa

After fabrication, the post, fuse plate, base plate and upper 150 mm (Minimum) of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2(M).



SECTION C-C

(Sheet 1 of 2)

SI-4

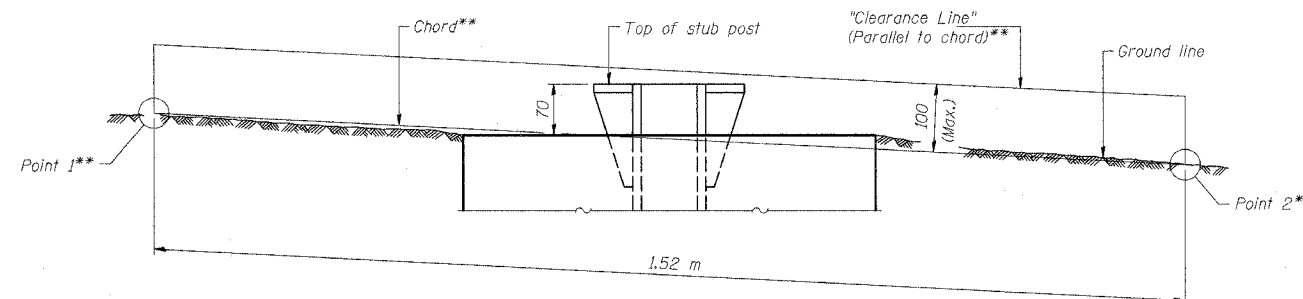
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		BREAK-AWAY WIDE FLANGE STEEL SIGN POST TABLES DATE: JULY 18, 2005 DRAWN BY: CHECKED BY:

McDonough Associates Inc.
 Engineers / Architects

POST	CONCRETE FOUNDATION TABLE								POST TO STUB POST CONNECTION DATA								FUSE PLATE DATA						
	Foundation			Reinforcement					Stub Post Length	Bolt Size	A	B	C	D	E	t ₁	t ₂	R	W	J	K	L	t ₃
	Diameter	*Minimum Depth (m)	Concrete (m ³) ①	Vertical Bars Length (m)	Bar Spirals Diameter	Bar Spirals Length (m)	kg ②																
W150x14	610	1.8	0.53	1.72	520	24.1	41	690	M16x85	150	57	32	90	30	20	14	9	6	100	56	22	6	
W150x22	610	1.8	0.53	1.72	520	24.1	41	760	M16x85	150	57	32	90	30	20	14	9	6	150	90	30	10	
W200x27	610	1.8	0.53	1.72	520	24.1	41	760	M20x95	150	64	35	82	34	25	14	10	8	130	70	30	10	
W250x33	760	2.0	0.91	1.92	675	32.0	49	910	M20x95	150	64	35	82	34	25	14	10	8	145	70	38	14	
W250x39	760	2.1	0.95	2.02	675	34.1	52	910	M22x105	180	70	38	102	39	25	20	12	10	145	70	38	16	
W310x39	760	2.4	1.09	2.32	675	36.3	58	910	M22x105	180	70	38	102	39	25	20	12	10	165	90	38	16	
W360x45	910	2.2	1.43	2.12	825	44.2	61	910	M22x105	180	70	38	102	39	25	20	12	10	170	90	40	14	
W360x57	910	2.4	1.56	2.32	825	46.6	66	1.07 m	M24x115	190	76	44	102	44	32	20	13	10	170	90	40	14	
W410x67	910	2.6	1.69	2.52	825	49.4	70	1.07 m	M24x115	190	76	44	102	44	32	20	13	10	180	90	45	14	

*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE													
	Sign Depth (m)													
	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8	
W150x14	M12x40	M12x40	M12x40	M16x45	M16x45	M16x45	---	---	---	---	---	---	---	
W150x22	M12x45	M12x45	M16x50	M16x50	M20x50	M20x50	M20x50	M20x50	M22x60	M22x60	---	---	---	
W200x27	M12x45	M12x45	M12x45	M16x50	M16x50	M20x50	M20x50	M22x60	M22x60	M22x60	M22x60	M22x60	M22x60	
W250x33	M12x50	M12x50	M12x50	M16x60	M16x60	M20x60	M20x60	M22x65	M22x65	M22x65	M24x70	M24x70	M24x70	
W250x39	M12x50	M12x50	M12x50	M16x60	M16x60	M20x65	M20x65	M22x65	M22x65	M24x70	M24x70	M24x70	M27x80	
W310x39	---	---	---	---	---	M16x60	---	---	M22x65	M22x65	M24x70	M24x70	M24x70	
W360x45	M12x50	M12x50	M12x50	M12x50	M12x50	M16x60	M20x60	M20x60	M20x60	M22x65	M24x70	M24x70	M24x70	
W360x57	---	M12x50	M12x50	M12x50	M12x50	M16x60	M20x65	M20x65	M20x65	M22x65	M22x65	M24x70	M24x70	
W410x67	---	---	---	M12x50	M12x50	M16x60	M16x60	M20x65	M20x65	M20x65	M22x65	M22x65	M24x70	



ELEVATION
GROUND LINE & STUB POST

**For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

- ① Quantity includes all concrete necessary for one foundation.
- ② Includes reinforcement bars and spiral hooping for one foundation.

NUMBER	REVISION	DATE

CHECKED
BAW-A-2(M) 11/1/2002

(Sheet 2 of 2)

SI-5

REVISIONS		DATE
NAME	DATE	

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

BREAK-AWAY WIDE FLANGE
STEEL SIGN POST TABLES

DATE: JULY 18, 2005

DRAWN BY:
CHECKED BY:

McDonough Associates Inc.
Engineers / Architects

EROSION AND SEDIMENT CONTROL

GENERAL NOTES

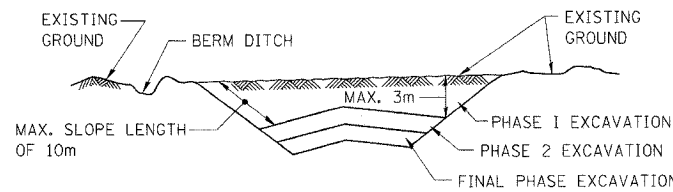
- THE WORK DESCRIBED ON THESE DRAWINGS ARE AN INTEGRAL PART OF THE STORM WATER POLLUTION PREVENTION PLAN USED TO OBTAIN A NPDES PERMIT FROM IEPA FOR THE CONSTRUCTION OF THIS PROJECT.
- THE PURPOSE OF THE EROSION AND SEDIMENT CONTROL MEASURES INCLUDED FOR THIS PROJECT IS TO LIMIT THE SEDIMENT POLLUTION IMPACT, OF ANY STORM WATER DISCHARGES THAT ORIGINATE ON THIS SITE OR OFF-SITE FLOWS THAT FLOW OVER THE DISTURBED AREAS, ON DOWNSTREAM AREAS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
- TO THE MAXIMUM EXTENT POSSIBLE, ALL FLOWS ORIGINATING OFF THE CONSTRUCTION SITE WILL BE DIVERTED AROUND DISTURBED AREAS OR WILL BE CONVEYED THROUGH THE SITE IN A MANNER THAT UNTREATED ON-SITE RUNOFF DOES NOT MIX WITH THE OFF-SITE RUNOFF.
- ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITY.
- ALL PERMANENT SEDIMENT BASINS, PERMANENT STORM WATER CONTROL MEASURES, AND RUNOFF CONTROL MEASURES REQUIRED TO KEEP OFF-SITE RUNOFF FROM FLOWING OVER THE CONSTRUCTION AREA WILL BE INSTALLED BEFORE CLEARING AND STRIPPING OF THE SITE PROCEEDS. PRIOR TO PROCEEDING WITH GENERAL EARTHWORK ON A PROJECT THE CONTRACTOR WILL OBTAIN APPROVAL OF HIS PROPOSED EARTHWORK AND STABILIZATION SCHEDULE.
- A MAXIMUM OF 4 HECTARES MAY BE IN SOME STAGE OF GRADING AT A SINGLE TIME. ADDITIONAL AREAS (UP TO 4 HECTARES) MAY BE CLEARED BUT WILL NOT BE STRIPPED OF VEGETATION UNTIL THE GRADED AREAS HAVE BEEN PROTECTED FROM EROSION THROUGH INSTALLATION OF EITHER TEMPORARY OR PERMANENT MEASURES. WHENEVER POSSIBLE, THE GRADING WILL BE COMPLETED TO THE DESIGN GRADE AND THE PERMANENT VEGETATION PLAN IMPLEMENTED PRIOR TO STARTING GRADING ACTIVITIES ON THE NEXT SITE.
 - WHEN BALANCING EARTHWORK (BORROW FROM A CUT USED AS FILL AT A LOCATION DISTANT FROM THE CUT) THE ENGINEER WILL CONSIDER ALLOWING MORE THAN 4 HECTARES OF GRADING AT A TIME. THE 4 HECTARE LIMITATION DOES NOT INCLUDE HAUL ROADS, BRIDGE CONSTRUCTION WORK AREAS AND STORAGE AREAS.
 - VARIATIONS TO THE ABOVE MAY BE CONSIDERED BY THE ENGINEER UNDER ALL THE FOLLOWING CONDITIONS:
 - IF THE CONTRACTOR FALLS BEHIND SCHEDULE THROUGH NO FAULT OF HIS OWN.
 - THE CONTRACTOR MUST PRESENT A SCHEDULE DEMONSTRATING THE NEED FOR SUCH VARIATION IN ORDER TO COMPLETE THE WORK ON TIME.
 - THE CONTRACTOR MUST COMPLY WITH ALL OTHER CONTRACT REQUIREMENTS.
- DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN 7 CALENDAR DAYS. TEMPORARY STABILIZATION THROUGH USE OF GROUND COVER, MULCHING, OR OTHER APPROVED MEASURES WILL BE INSTALLED WHENEVER SITE DEVELOPMENT WORK, GRADING OR OTHER EARTH DISTURBING ACTIVITIES CEASE TO BE CONTINUOUS FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. THE 7/14 DAY REQUIREMENT IS TAKEN TO MEAN THAT THE STABILIZATION OPERATION IS COMPLETE OR NEARING COMPLETION IN THE DEFINED TIME.
- STABILIZATION OF CUT OR FILL SLOPES WITH TEMPORARY OR PERMANENT EROSION CONTROL MEASURES IS REQUIRED WHENEVER THE CUT OR FILL ACTIVITY REACHES 3 METERS VERTICALLY OR THE FINISHED SLOPE EQUALS 10 METERS, WHICHEVER IS MORE RESTRICTIVE. ONCE THE STABILIZATION MEASURES ARE INSTALLED, THE PLACEMENT OF FILL EXCAVATION ACTIVITIES ARE ALLOWED TO PROCEED.
- THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES AS RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS. THIS PERSON IS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES. THIS EMPLOYEE IS TO HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTIONS CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN GIVEN BY THE ENGINEER. ALL MEASURES WILL BE INSPECTED BY THIS INDIVIDUAL AND THE ENGINEER ON A REGULAR BASIS (AT LEAST ONCE EVERY 7 DAYS) AND AFTER RAINFALL EVENTS GREATER THAN 13mm.

SEE NEXT SHEET FOR CONTINUATION

EROSION AND SEDIMENT CONTROL LEGEND

SC	SEDIMENT CONTROL		EROSION CONTROL BLANKET		INLET AND PIPE PROTECTION
EC	EROSION CONTROL		STONE RIPRAP (CLASS AS SHOWN ON PLAN)		DITCH CHECK TEMPORARY
	SC, STABILIZED CONSTRUCTION ENTRANCE (SCSCE)		STONE OUTLET STRUCTURE		SEDIMENT BASIN
	SC, SILT FENCE (SCSF) PLAN		TEMPORARY STREAM CROSSING		SEEDING CLASS 2A
	SC, SILT FENCE (SCSF) SECTION		DEWATERING BASIN		SEEDING CLASS 4
	DIVERSION DIKE		TREE TRUNK PROTECTION		TEMPORARY EROSION CONTROL SEEDING
	TEMPORARY DITCH		SC, DRAINAGE STRUCTURE INLET FILTER	MAX = MAXIMUM	
	DITCH FLOW		MULCH METHOD 2	MIN = MINIMUM	
	EC, TEMPORARY PIPE SLOPE DRAIN				
	EC, TEMPORARY CHANNEL DIVERSION				

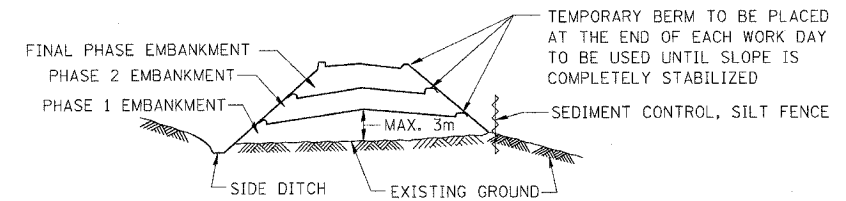
EXCAVATION PHASING PLAN-CUT SECTION



NOTES:

- ALL CUT SLOPES SHALL BE EXCAVATED AND STABILIZED (PLACE TOPSOIL, PREPARE SEEDBED, APPLY SEED, PROTECT SLOPE WITH MULCH OR EROSION BLANKET) AS THE WORK PROGRESSES.
- CONSTRUCTION SEQUENCE FOR EXCAVATION:
 - EXCAVATE AND STABILIZE BERM, SIDE AND OUTLET DITCHES, PROVIDE SEDIMENT TRAPS FOR DITCHES.
 - PERFORM PHASE 1 EXCAVATION AND STABILIZE SLOPES WITH PERMANENT SEEDING.
 - PERFORM PHASE 2 EXCAVATION AND STABILIZE SLOPES WITH PERMANENT SEEDING. OVERSEED PHASE 1 SLOPES, IF REQUIRED.
 - PERFORM FINAL PHASE EXCAVATION, AND STABILIZE WITH PERMANENT VEGETATIVE PLAN ON THE ENTIRE SLOPE. STABILIZE SURFACE DRAIN DITCHES. OVERSEED PHASE 1 & 2 SLOPES, IF REQUIRED, AS DETERMINED BY THE ENGINEER.
- IF PERMANENT SEEDING CANNOT BE PLACED DUE TO CONTRACT REQUIREMENTS REGARDING PLANTING SEASONS, THE CUT SLOPE IS TO HAVE TOPSOIL PLACED AND SEEDBED PREPARED PRIOR TO USING TEMPORARY STABILIZATION WITH STRAW MULCH OR TEMPORARY SEEDING WITH EROSION BLANKET.
- THE CONTRACTOR HAS THE OPTION OF DELAYING TOPSOIL AND/OR SEEDING BEYOND THE 3m VERTICAL LIMITATION. (SEE GENERAL NOTE 9) IF SO THE CUT SLOPE MUST BE TEMPORARILY STABILIZED, AT NO COST TO THE DEPARTMENT.
- ONCE THE EXCAVATION WITHIN A SPECIFIC AREA HAS BEGUN, THE OPERATION SHALL BE CONTINUOUS FROM STRIPPING THROUGH THE COMPLETION OF THE GRADING AND PLACEMENT OF SLOPE STABILIZATION MEASURES. ANY INTERRUPTIONS IN THE OPERATION 14 DAYS OR MORE MUST BE APPROVED BY THE ENGINEER. ANY VIOLATIONS OF THIS REQUIREMENT WILL RESULT IN THE CONTRACTOR ASSUMING THE RESPONSIBILITY OF PLACING TEMPORARY STABILIZATION AT HIS OWN COST AND EXPENSE AS DIRECTED BY THE ENGINEER.

EMBANKMENT PHASING PLAN-FILL SECTION



NOTES:

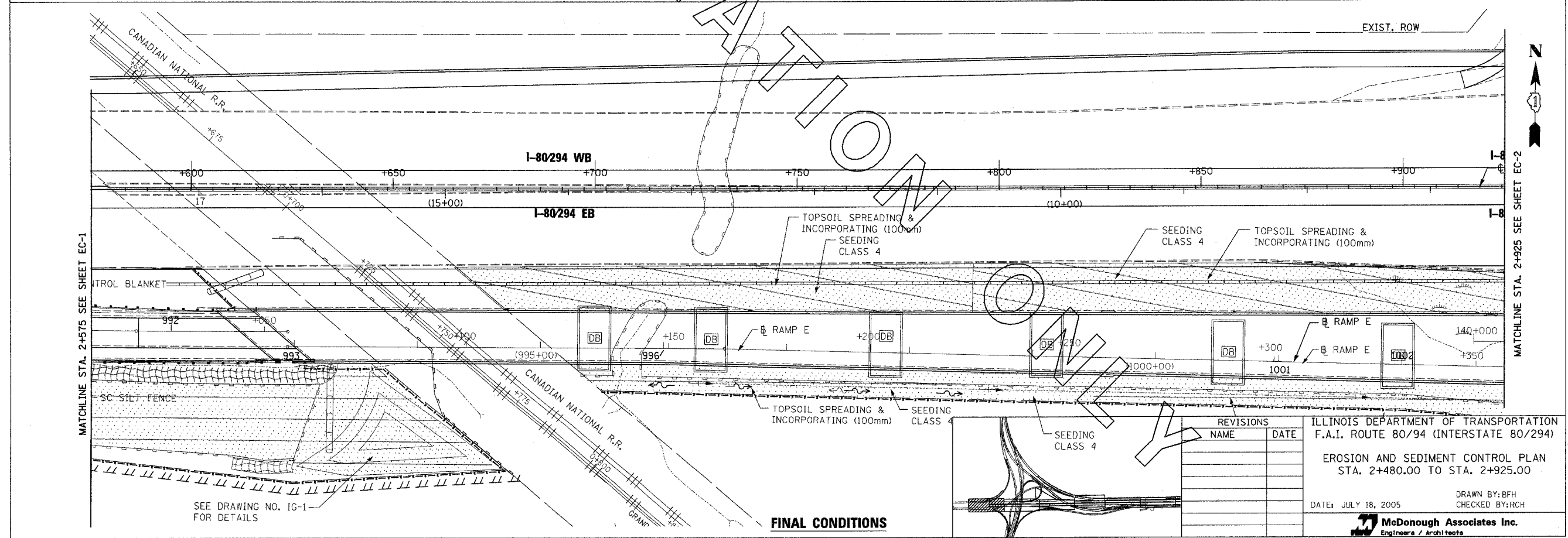
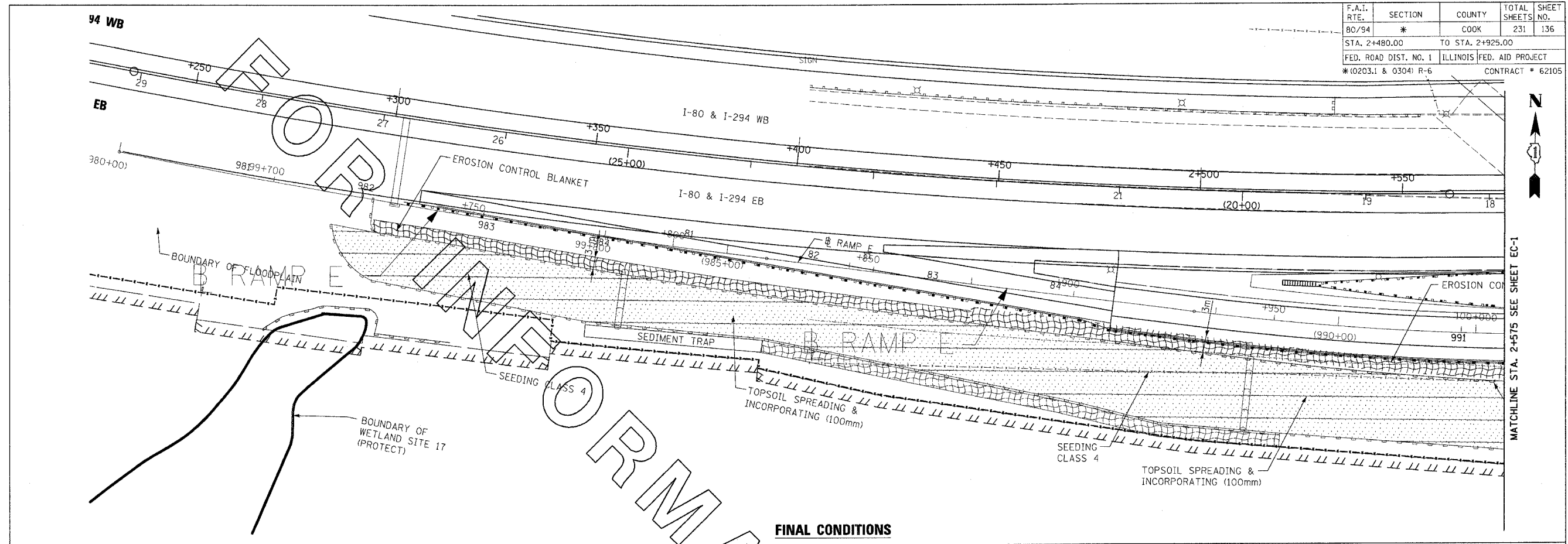
- THE EMBANKMENT WILL BE MADE IN STAGES NOT TO EXCEED 3m. THE EMBANKMENT SLOPES WILL BE STABILIZED USING TEMPORARY MEASURES BEFORE BEGINNING NEXT STAGE.
- AT THE END OF EACH WORK DAY TEMPORARY BERMS (EARTH) AND TEMPORARY PIPE SLOPE DRAINS WILL BE CONSTRUCTED ALONG THE TOP EDGE(S) OF THE EMBANKMENT TO INTERCEPT SURFACE RUNOFF.
 - IN LIEU OF PERFORMING WORK DESCRIBED IN 2(A) AT THE END OF EACH WORK DAY, THE CONTRACTOR MAY EMPLOY A "CERTIFIED CONSULTANT METEOROLOGIST" TO PROVIDE A WRITTEN DAILY WEATHER FORECAST TO THE DEPARTMENT'S ENGINEER. SHOULD THE FORECAST PREDICT A 10% (OR LESS) CHANCE OF PRECIPITATION IN THE NEXT 36 HOUR TIME PERIOD, THE BERMS AND SLOPE DRAINS NEED NOT BE DONE THAT DAY. ON WORK DAYS PRECEDING NON-WORK DAYS, THE FORECAST MUST EXTEND TO THE SCHEDULED RESUMPTION OF WORK.
- CONSTRUCTION SEQUENCE FOR EMBANKMENT
 - EXCAVATE AND STABILIZE SIDE DITCH AND/OR INSTALL PROPOSED PERIMETER CONTROLS AT THE TOE OF SLOPE.
 - PLACE PHASE 1 EMBANKMENT AND STABILIZE WITH TEMPORARY SEEDING AND MULCH.
 - PLACE PHASE 2 EMBANKMENT AND STABILIZE WITH TEMPORARY SEEDING AND MULCH.
 - PLACE FINAL PHASE EMBANKMENT AND STABILIZE WITH PERMANENT VEGETATIVE PLAN ON THE ENTIRE SLOPE.
- ONCE THE PLACEMENT OF FILL WITHIN A SPECIFIC AREA HAS BEGUN, THE OPERATION SHALL BE CONTINUOUS FROM STRIPPING THROUGH THE COMPLETION OF THE GRADING AND PLACEMENT OF PERMANENT VEGETATIVE PLAN. ANY INTERRUPTIONS IN THE OPERATION OF 14 DAYS OR MORE MUST BE APPROVED BY THE ENGINEER. ANY VIOLATION OF THIS REQUIREMENT WILL RESULT IN THE CONTRACTOR ASSUMING THE RESPONSIBILITY OF PLACING TEMPORARY STABILIZATION AT HIS OWN COST AND EXPENSE AS DIRECTED BY THE ENGINEER.

ED-1

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		EROSION AND SEDIMENT CONTROLS GENERAL NOTES AND LEGEND DATE: JULY 18, 2005 DRAWN BY: JPW CHECKED BY: RCH

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	134
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6			CONTRACT # 62105	

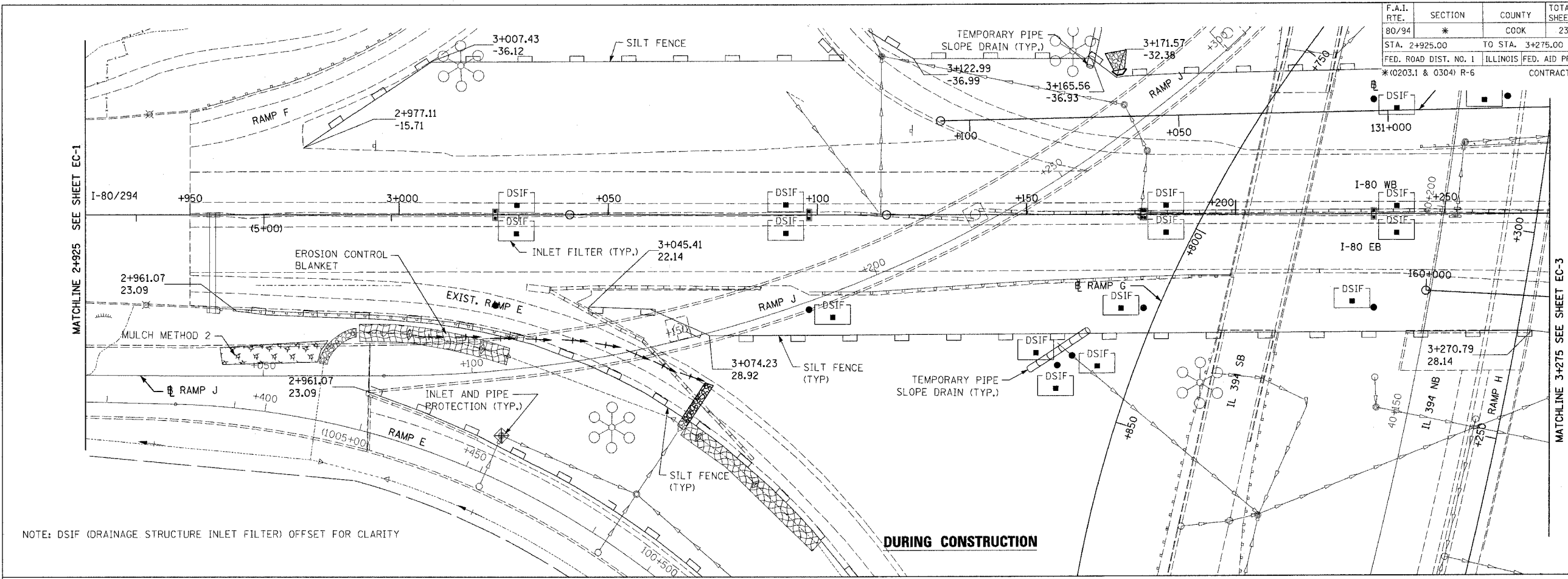
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	136
STA. 2+480.00		TO STA. 2+925.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* (0203.1 & 0304) R-6		CONTRACT # 62105		



REVISIONS	
NAME	DATE

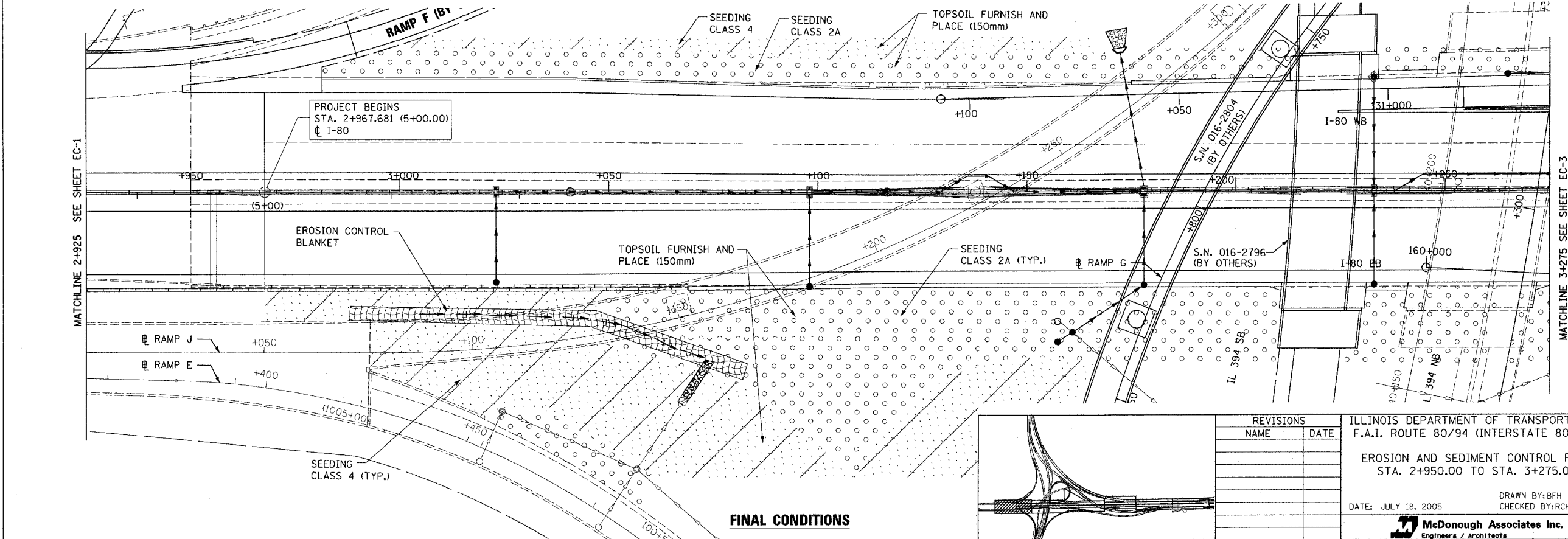
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
 EROSION AND SEDIMENT CONTROL PLAN
 STA. 2+480.00 TO STA. 2+925.00
 DATE: JULY 18, 2005
 DRAWN BY: BFH
 CHECKED BY: RCH
McDonough Associates Inc.
 Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	137
STA. 2+925.00		TO STA. 3+275.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		



NOTE: DSIF (DRAINAGE STRUCTURE INLET FILTER) OFFSET FOR CLARITY

DURING CONSTRUCTION

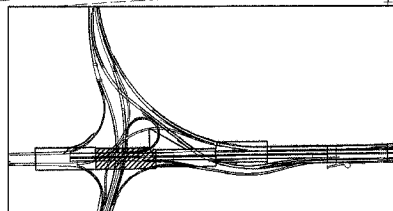
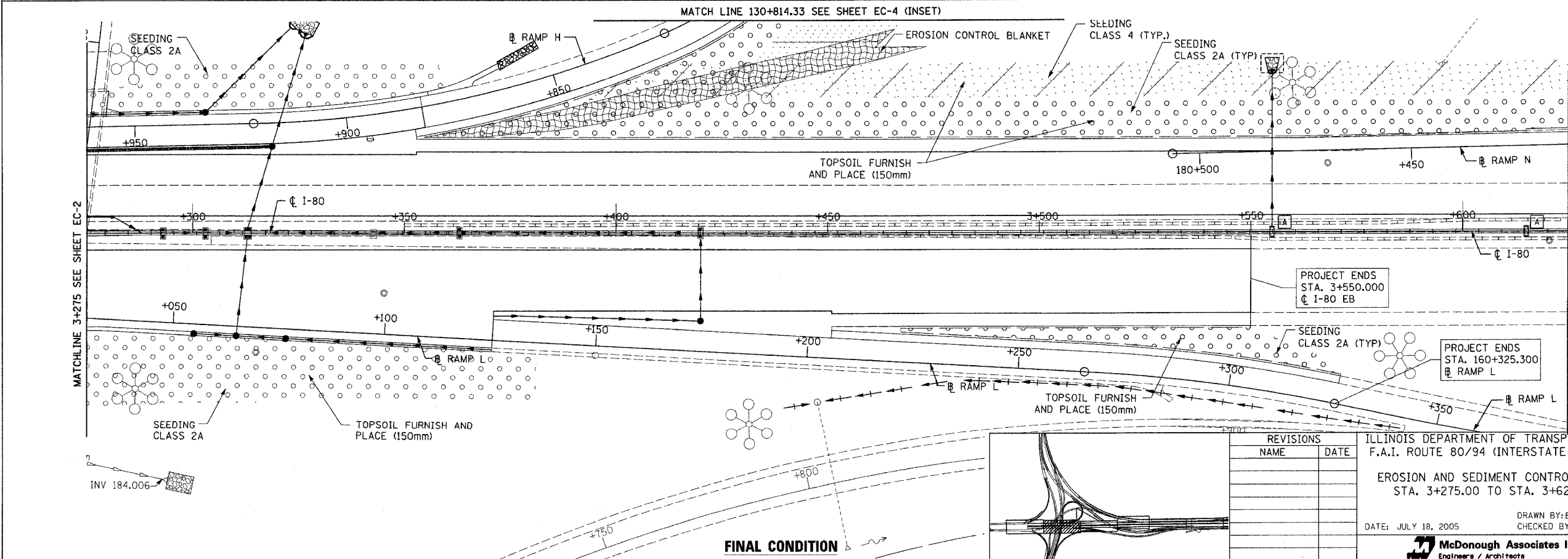
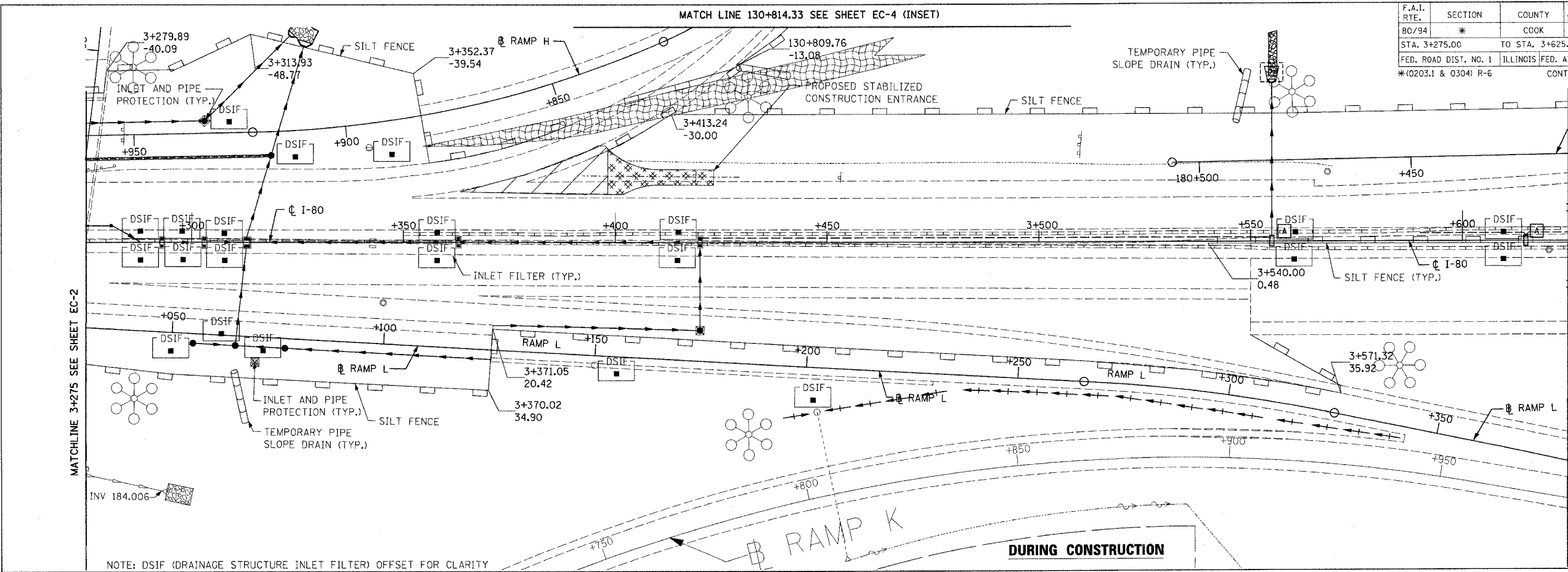


FINAL CONDITIONS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
 EROSION AND SEDIMENT CONTROL PLAN
 STA. 2+950.00 TO STA. 3+275.00
 DATE: JULY 18, 2005
 DRAWN BY: BFH
 CHECKED BY: RCH
McDonough Associates Inc.
 Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	138
STA. 3+275.00		TO STA. 3+625.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		



REVISIONS	
NAME	DATE

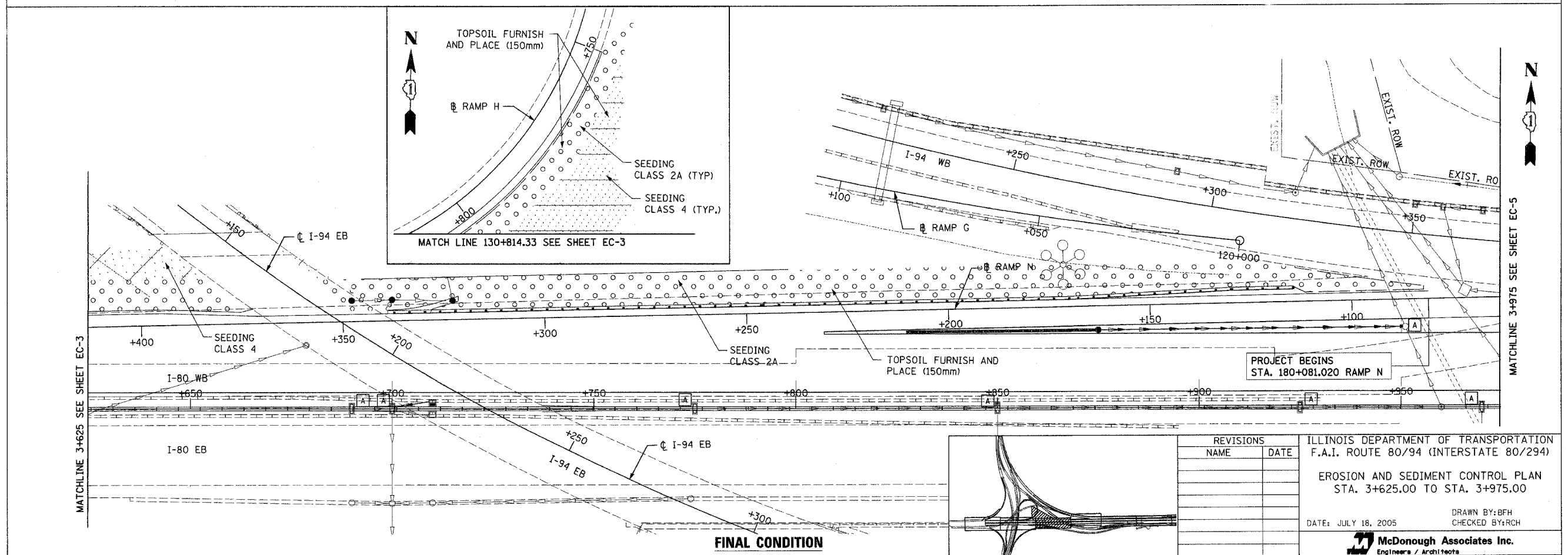
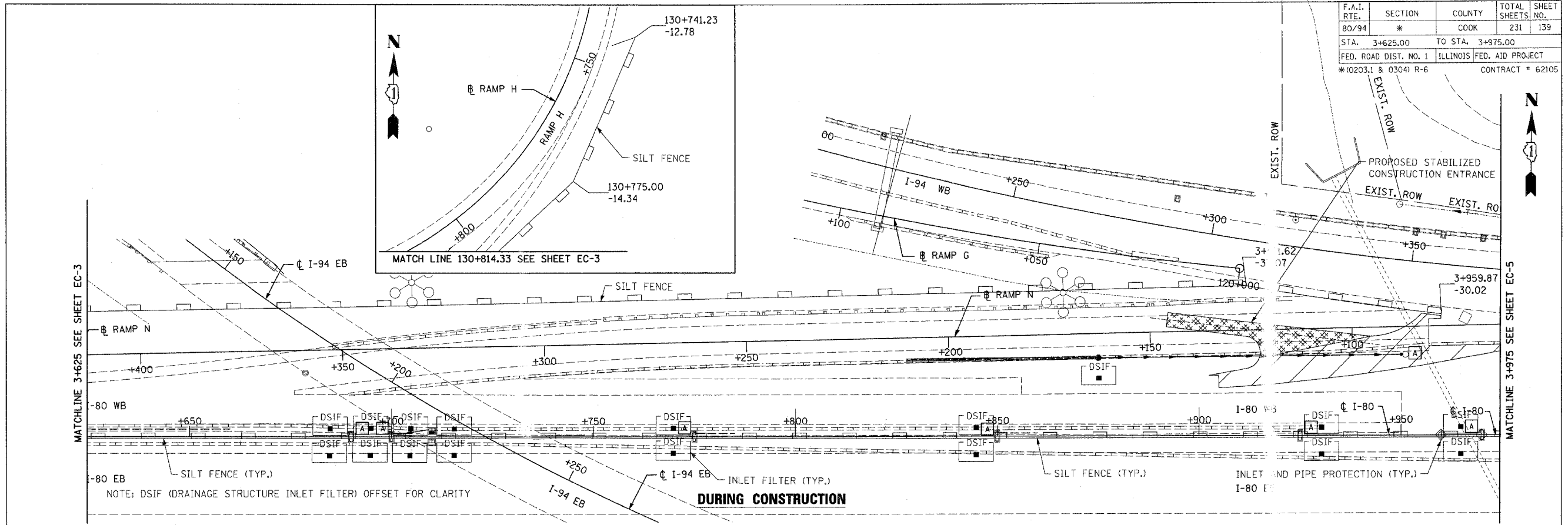
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

EROSION AND SEDIMENT CONTROL PLAN
STA. 3+275.00 TO STA. 3+625.00

DATE: JULY 18, 2005
DRAWN BY: BFH
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

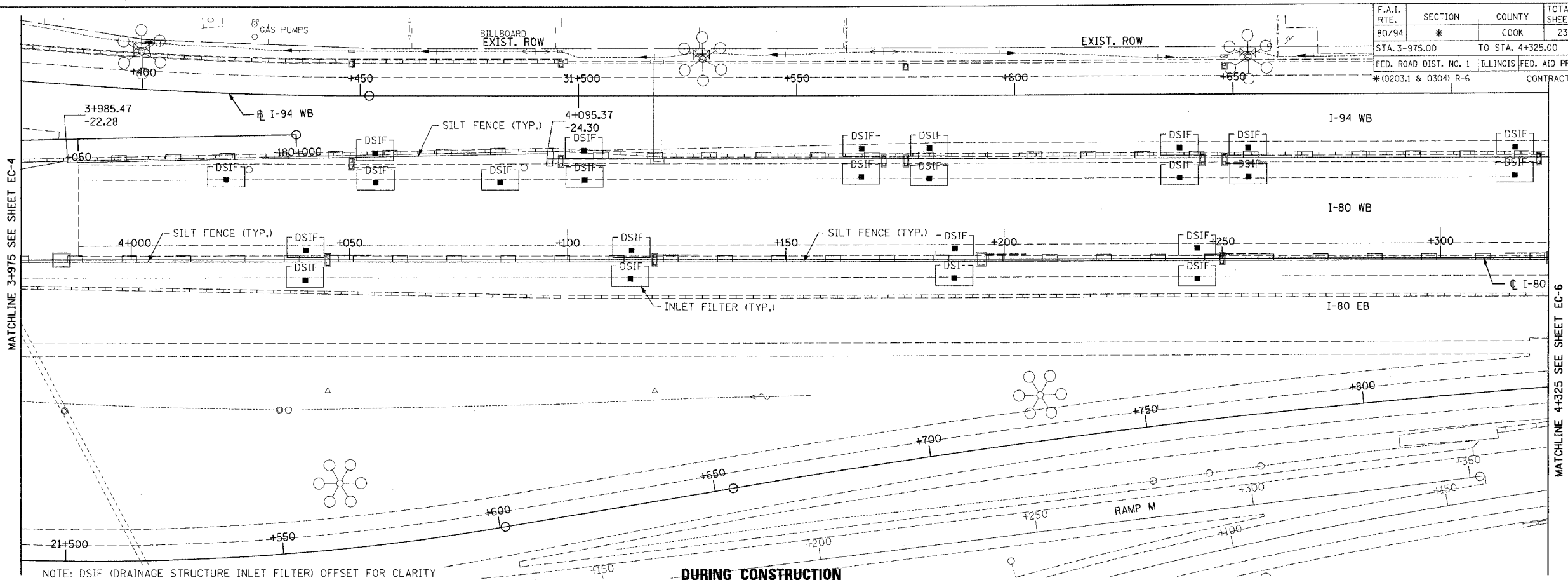
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	139
STA. 3+625.00		TO STA. 3+975.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* (0203.1 & 0304) R-6		CONTRACT # 62105		



REVISIONS	
NAME	DATE

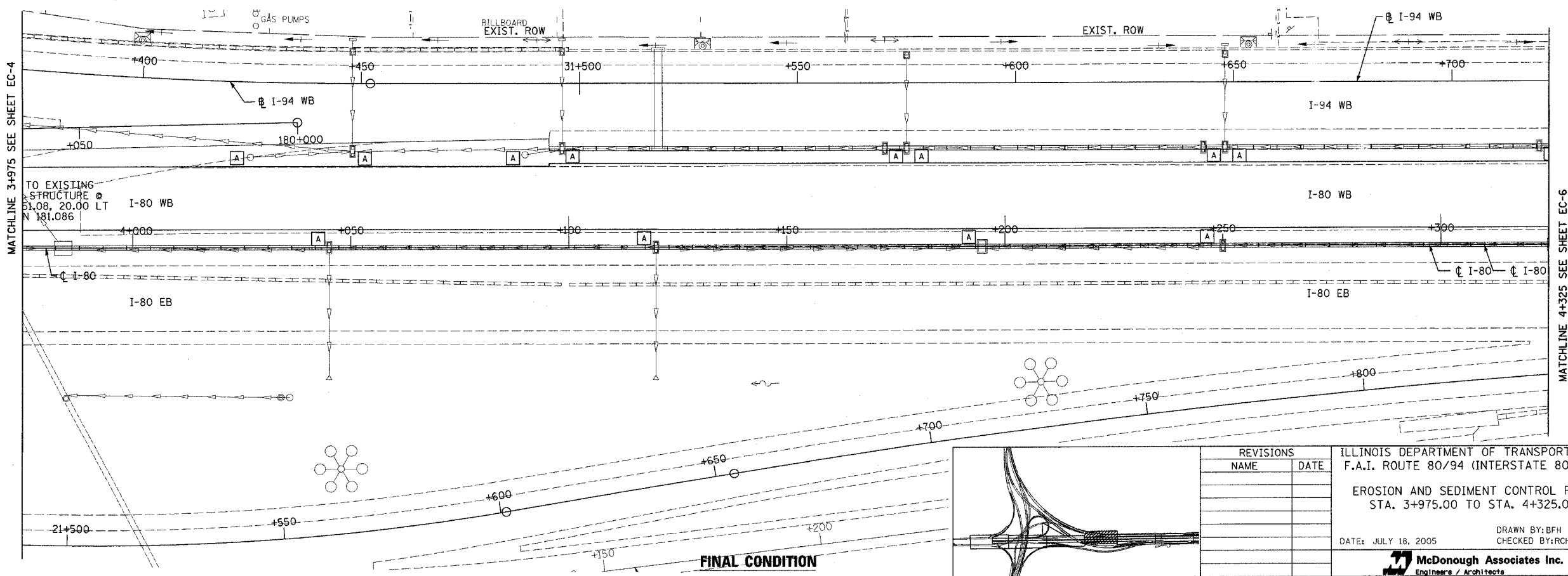
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
 EROSION AND SEDIMENT CONTROL PLAN
 STA. 3+625.00 TO STA. 3+975.00
 DATE: JULY 18, 2005
 DRAWN BY: BFH
 CHECKED BY: RCH
McDonough Associates Inc.
 Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	140
STA. 3+975.00		TO STA. 4+325.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* (0203.1 & 0304) R-6		CONTRACT # 62105		



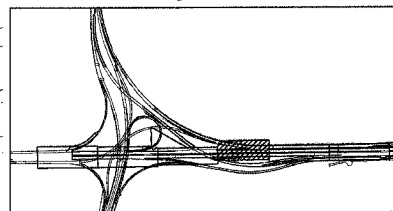
NOTE: DSIF (DRAINAGE STRUCTURE INLET FILTER) OFFSET FOR CLARITY

DURING CONSTRUCTION



FINAL CONDITION

TO EXISTING
STRUCTURE @
51.08, 20.00 LT
N 181.086



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

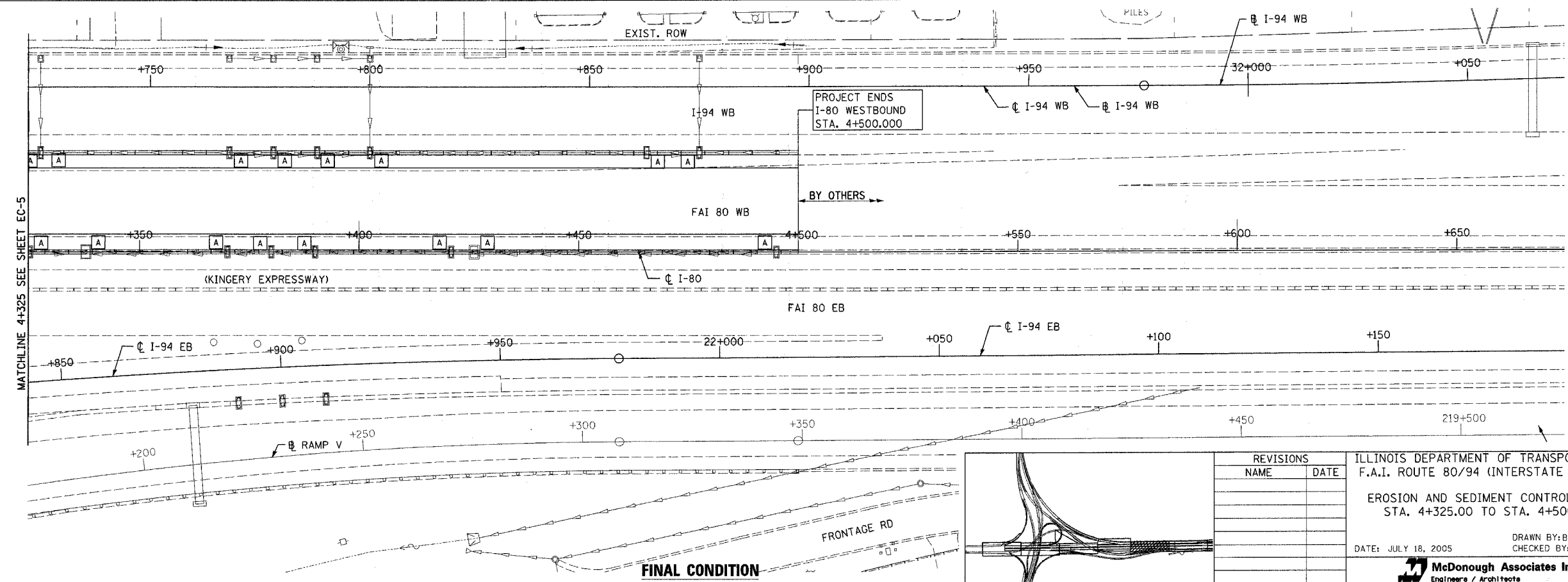
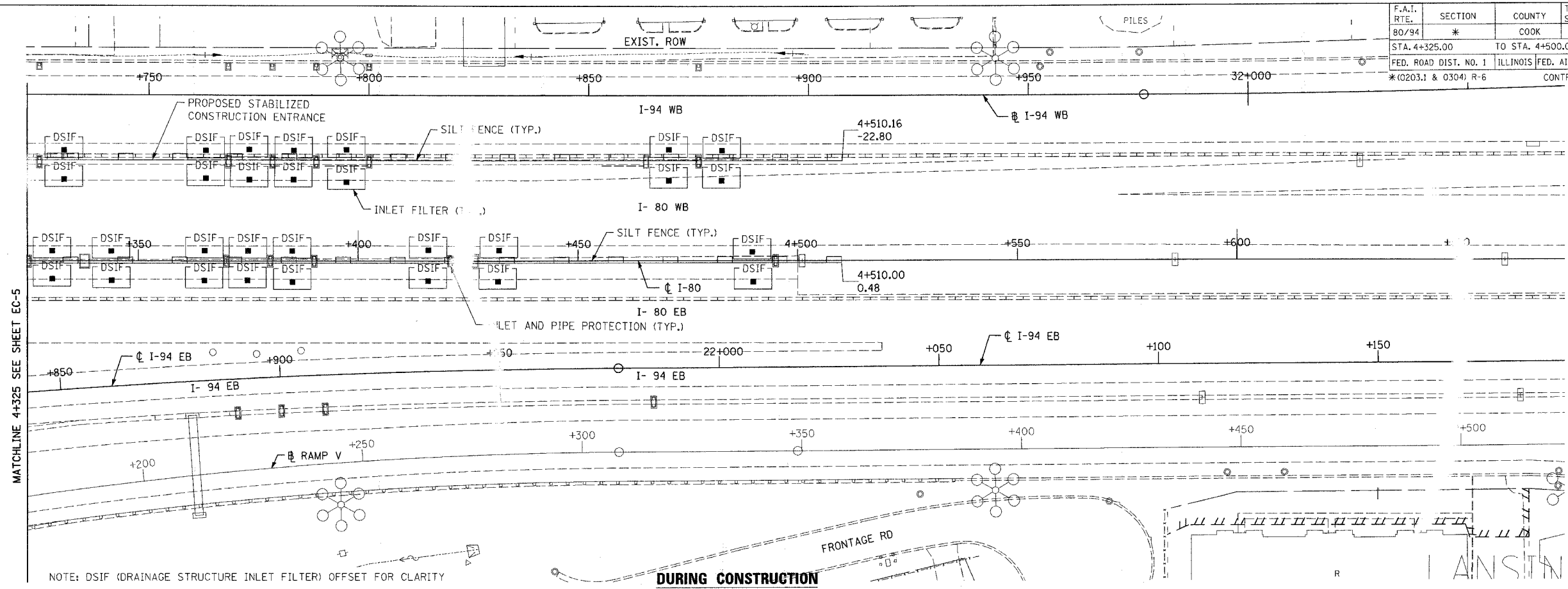
EROSION AND SEDIMENT CONTROL PLAN
STA. 3+975.00 TO STA. 4+325.00

DATE: JULY 18, 2005

DRAWN BY: BFH
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE. 80/94	SECTION *	COUNTY COOK	TOTAL SHEETS 231	SHEET NO. 141
STA. 4+325.00		TO STA. 4+500.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		



REVISIONS	
NAME	DATE

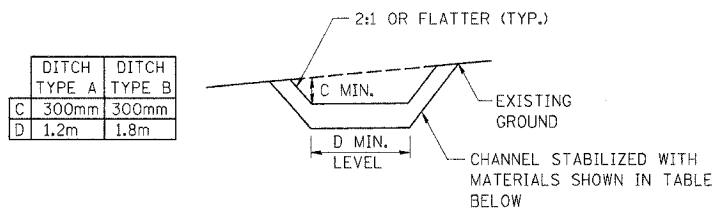
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

EROSION AND SEDIMENT CONTROL PLAN
STA. 4+325.00 TO STA. 4+500.00

DATE: JULY 18, 2005
DRAWN BY: BFH
CHECKED BY: RCH

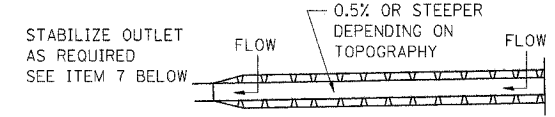
McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	142
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		



DITCH TYPE A	DITCH TYPE B
C 300mm	300mm
D 1.2m	1.8m

CROSS-SECTION

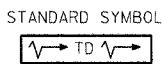


PLAN VIEW

CONSTRUCTION NOTES FOR TEMP. DITCHES

- ALL TEMPORARY DITCHES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
- DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
- DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO A STABILIZED AREA AT NON-EROSIVE VELOCITY.
- ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DITCH.
- THE DITCH SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
- ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DITCH.
- STABILIZATION SHALL BE AS PER THE CHART TO THE RIGHT:
 - AGGREGATE DITCH TO BE IN A LAYER AT LEAST 75mm IN THICKNESS AND BE PRESSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT.
 - RIPRAP TO BE GRADATION 3 IN A LAYER AT LEAST 200mm THICK ABOVE WHAT IS PRESSED INTO THE SOIL
 - APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.

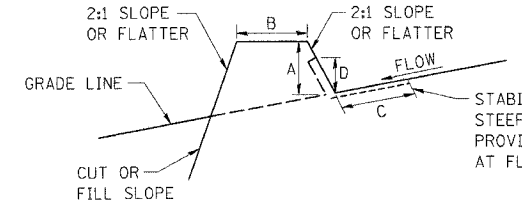
TEMPORARY DITCH



FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	TYPE A (2 ha OR LESS)	TYPE B (2ha - 4ha)
1	0.5%- 5.0%	SEED AND EROSION BLANKET	SEED AND EROSION BLANKET
2	5.1%- 8.0%	CA-3 AGGREGATE	RIPRAP 200mm THICKNESS
3	8.1%- 20%	LINED RIPRAP SIZE 200mm THICKNESS	ENGINEERED DESIGN

NOTE: WHEN THE DRAINAGE AREA BEING CARRIED BY THE MEASURE IS LARGER THAN 4ha THE MEASURE WILL BE SIZED AND STABILIZED BASED ON AN ENGINEERED DESIGN.



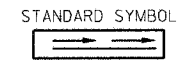
CROSS SECTION

	DIKE TYPE A (2 ha OR LESS)	DIKE TYPE B (2 - 4ha)
A - DIKE HEIGHT	460mm	1m
B - DIKE WIDTH	600mm	1m
C - FLOW WIDTH	1.2m	1.8m
D - FLOW HEIGHT	200mm	380mm

CONSTRUCTION NOTES FOR DIVERSION DIKES

- ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
- TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
- DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO A STABILIZED AREA AT NON-EROSIVE VELOCITY.
- FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO MAINTAIN A POSITIVE OUTLET.
- EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
- STABILIZATION OF AREAS C AND D SHALL BE AS PER SPECIAL PROVISION FOR EROSION AND SEDIMENT CONTROLS. ADDITIONAL STABILIZATION MAY BE REQUIRED FOR STEEPER SLOPES AS SHOWN IN THE CHART BELOW.

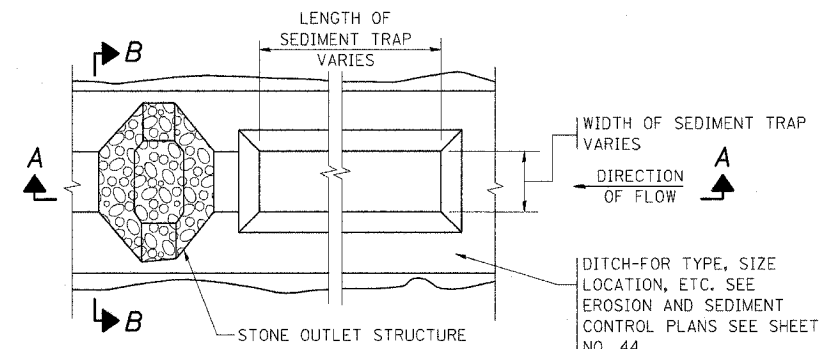
DIVERSION DIKE



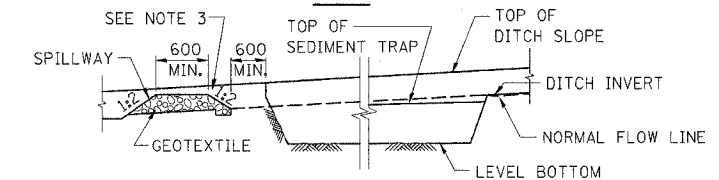
ED-3

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
J.P.W.	1/19/04	EROSION AND SEDIMENT CONTROLS FLOW CHANNEL STABILIZATION TEMPORARY DITCHES AND DIVERSION DIKES
DATE: JULY 18, 2005		DRAWN BY: JPW CHECKED BY: RCH
McDonough Associates Inc. Engineers / Architects		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	143
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
*(0203.1 & 0304) R-6			CONTRACT # 62105	

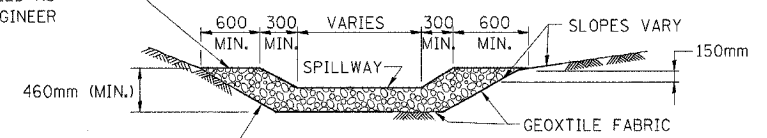


PLAN



SECTION A-A

TOP ELEVATION OF STRUCTURE SHALL BE SET IN FIELD AS DIRECTED BY THE ENGINEER



SECTION B-B

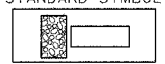
CUT SIDE SLOPES IN SEDIMENT TRAP AS STEEP AS SOIL CONDITIONS WILL ALLOW

NOTES:

- USE IN EXISTING, PROPOSED AND TEMPORARY DITCHES OF ALL TYPES AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
- THE STONE OUTLET STRUCTURES SHALL BE REPLACED DUE TO WASHOUT, CONSTRUCTION TRAFFIC DAMAGE OR SILT ACCUMULATION. THE SILT SHALL BE CLEANED WHEN THE TRAP IS 50% FULL.
- THIS WORK WILL BE PAID FOR UNDER THE FOLLOWING ITEMS: EARTH EXCAVATION FOR EROSION CONTROL STONE RIPRAP, CLASS A4 FILTER FABRIC FOR USE WITH RIPRAP.
- ALL SEDIMENT TRAPS SHALL BE DESIGNED TO PROVIDE (260 CUBIC METERS) STORAGE PER 1.0 HECTARE (3600 CF PER ACRE) OF DRAINAGE AREA.

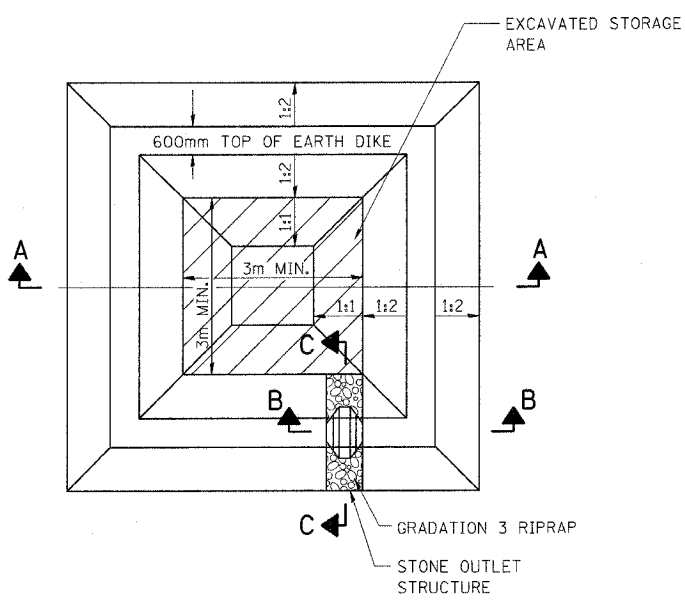
STONE OUTLET STRUCTURE SEDIMENT TRAP

STANDARD SYMBOL



DRAINAGE AREA	L	W	CAPACITY CM
0.2ha	23m	3m	53
0.4ha	44m	3m	103
0.6ha	44m	4.6m	154
0.8ha	60m	4.6m	207

NOTE:
ALL DIMENSIONS ARE BASED UPON AN AVERAGE DEPTH OF 760mm AND PROVIDING, AS A MINIMUM 102 CUBIC METERS OF STORAGE PER Ha OF RUNOFF. L AND W ARE MEASURED ALONG THE BOTTOM OF THE TRAP. WHENEVER POSSIBLE, THE MAXIMUM AVERAGE DEPTH OF THE TRAP WILL BE 760mm. THE MAXIMUM DRAINAGE AREA ALLOWED PER TRAP IS 2Ha. THE DRAINAGE AREA IS THE TOTAL (INCLUDING OFF-SITE) AREA.



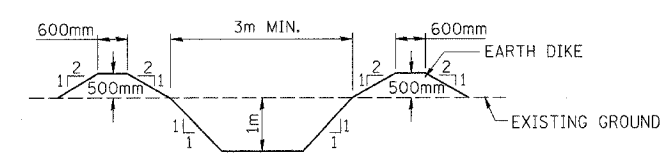
PLAN VIEW

NOTES:

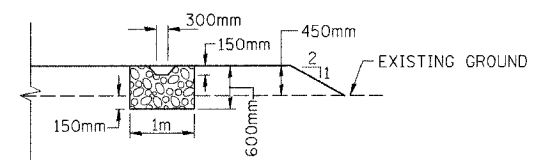
- ANY DEWATERING OF THE CONSTRUCTION AREA SHALL BE FILTERED THROUGH A DEWATERING BASIN PRIOR TO ENTERING THE WATERWAY.
- PUMPING INTO THESE BASINS SHALL CEASE WHEN THE EFFLUENT FROM THE BASIN BECOMES SEDIMENT LADEN. THE BASIN MAY BE BYPASSED IF THE WATER BEING PUMPED IS NON SEDIMENT LADEN AND THERE IS A STABILIZED OUTFALL. SURFACE FLOWS SHALL BE DIVERTED AROUND THE DEVICE.
- THE DEWATERING BASIN SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 1m WITH A FLAT BOTTOM.
- ONCE THE DEWATERING BASIN BECOMES FILLED TO 1/2 OF THE EXCAVATED DEPTH, ACCUMULATED SEDIMENT SHALL BE REMOVED.
- THE OUTFALL FROM THE BASIN(S) SHALL HAVE A STABILIZED CONVEYANCE TO RECEIVING WATERS.
- THE VOLUME OF THE CONSTRUCTION DEWATERING DISCHARGE BASIN (DEAD STORAGE) SHALL BE A MINIMUM OF THE DEWATERING PUMPS CAPACITY $0.12 \times (\text{PUMP RATE IN LITERS/MINUTE}) = \text{VOLUME (CU. M.)}$
 $(16 \times (\text{PUMP RATE IN GAL/MINUTE}) = \text{VOLUME (C.F.)})$
- THIS WORK WILL BE PAID FOR UNDER THE FOLLOWING ITEMS: EARTH EXCAVATION FOR EROSION CONTROL STONE RIPRAP, CLASS A4 FILTER FABRIC FOR USE WITH RIPRAP.

DEWATERING BASINS

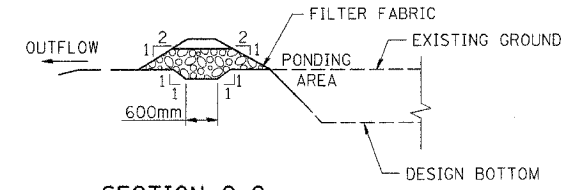
STANDARD SYMBOL



SECTION A-A



SECTION B-B



SECTION C-C

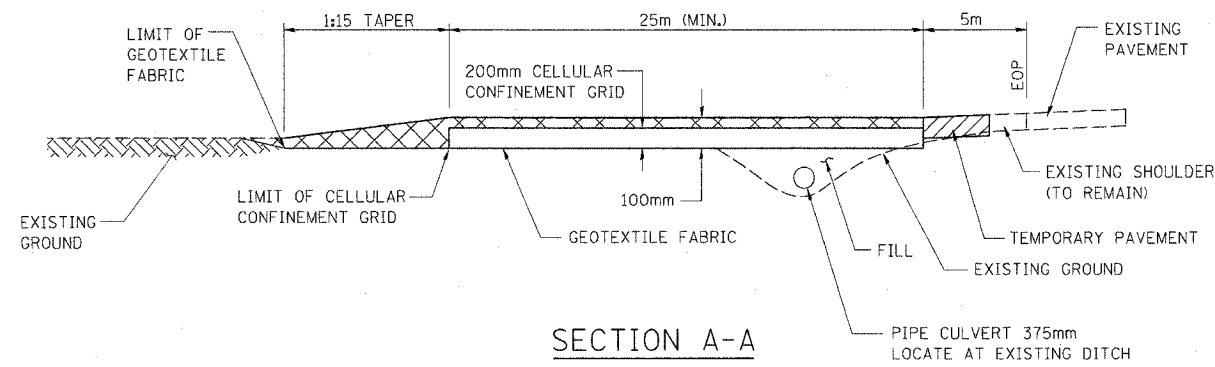
ED-4

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294) EROSION AND SEDIMENT CONTROLS STONE OUTLET STRUCTURE SEDIMENT TRAP DEWATERING BASINS
NAME	DATE	
J.P.W.	1/19/04	

DATE: JULY 18, 2005
DRAWN BY: JPW
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

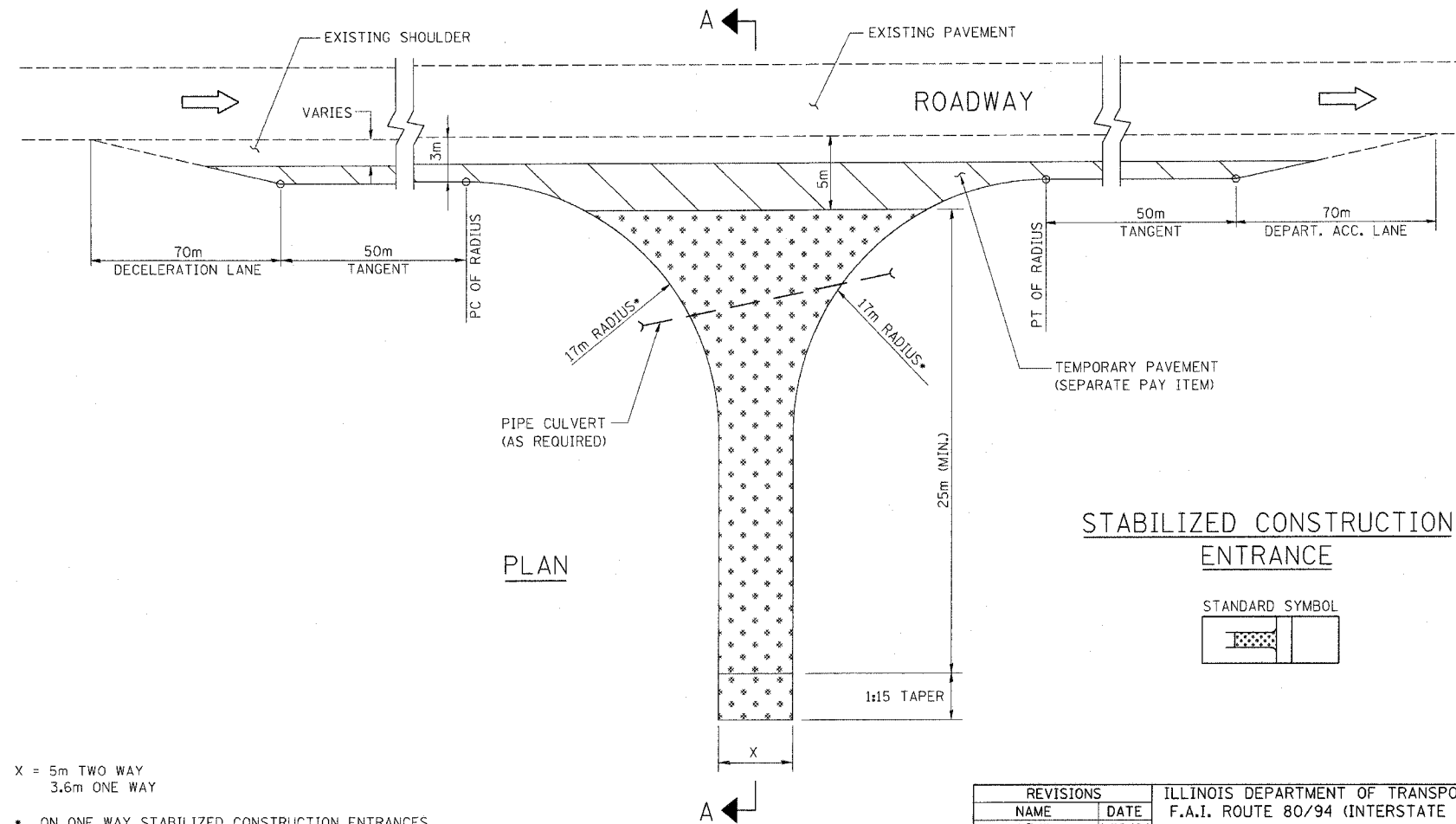
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	144
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		



SECTION A-A

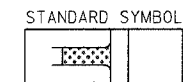
CONSTRUCTION SPECIFICATIONS AND NOTES

- STABILIZED CONSTRUCTION ENTRANCE
 - LENGTH - AS REQUIRED, BUT NOT LESS THAN 25 METERS.
 - THICKNESS - NOT LESS THAN 100mm, ABOVE TOP OF CELLULAR CONFINEMENT GRID.
- TEMPORARY PAVEMENT
 - PROVIDE A MINIMUM WIDTH OF 3.0m OF SHOULDER AND TEMPORARY PAVEMENT FOR DECELERATION/ACCELERATION LANE.
 - TEMPORARY PAVEMENT THICKNESS SHALL BE 255 mm. AND CONSIST OF: BITUMINOUS BASE COURSE, SUPERPAVE 210 mm BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, N50, MIX D 45 mm
 - A 2.0m, APRON SHALL BE PROVIDED IN ADDITION TO 3.0m WIDTH.
- ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
- STABILIZED CONSTRUCTION ENTRANCES SHALL NOT BE PLACED DIRECTLY ACROSS FROM EACH OTHER.
- EXISTING DITCH DRAINAGE TO BE MAINTAINED.
- GRADE FILL TO 1:10 ON APPROACH SIDE OF ENTRANCE
- FOR TRAFFIC CONTROL FOR STABILIZED CONSTRUCTION/EXIT DETAIL, SEE SHEET .



PLAN

STABILIZED CONSTRUCTION ENTRANCE



LEGEND

- TEMPORARY PAVEMENT
- STABILIZED AGGREGATE DRIVEWAY

X = 5m TWO WAY
3.6m ONE WAY

- ON ONE WAY STABILIZED CONSTRUCTION ENTRANCES THE MAJOR MOVEMENT RADIUS SHALL BE 17 METERS. THE MINOR RADIUS AS CALLED OUT ON THE PLAN BUT NOT LESS THAN 3m ALSO THE UNNECESSARY TAPER AND TANGENT WILL NOT BE BUILT.

ED-5

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
J.P.W.	1/19/04	EROSION AND SEDIMENT CONTROLS STABILIZED CONSTRUCTION ENTRANCE
		SCALE: NONE
		DATE: JULY 18, 2005
		DRAWN BY: JPW
		CHECKED BY: RCH
		McDonough Associates Inc. Engineers / Architects

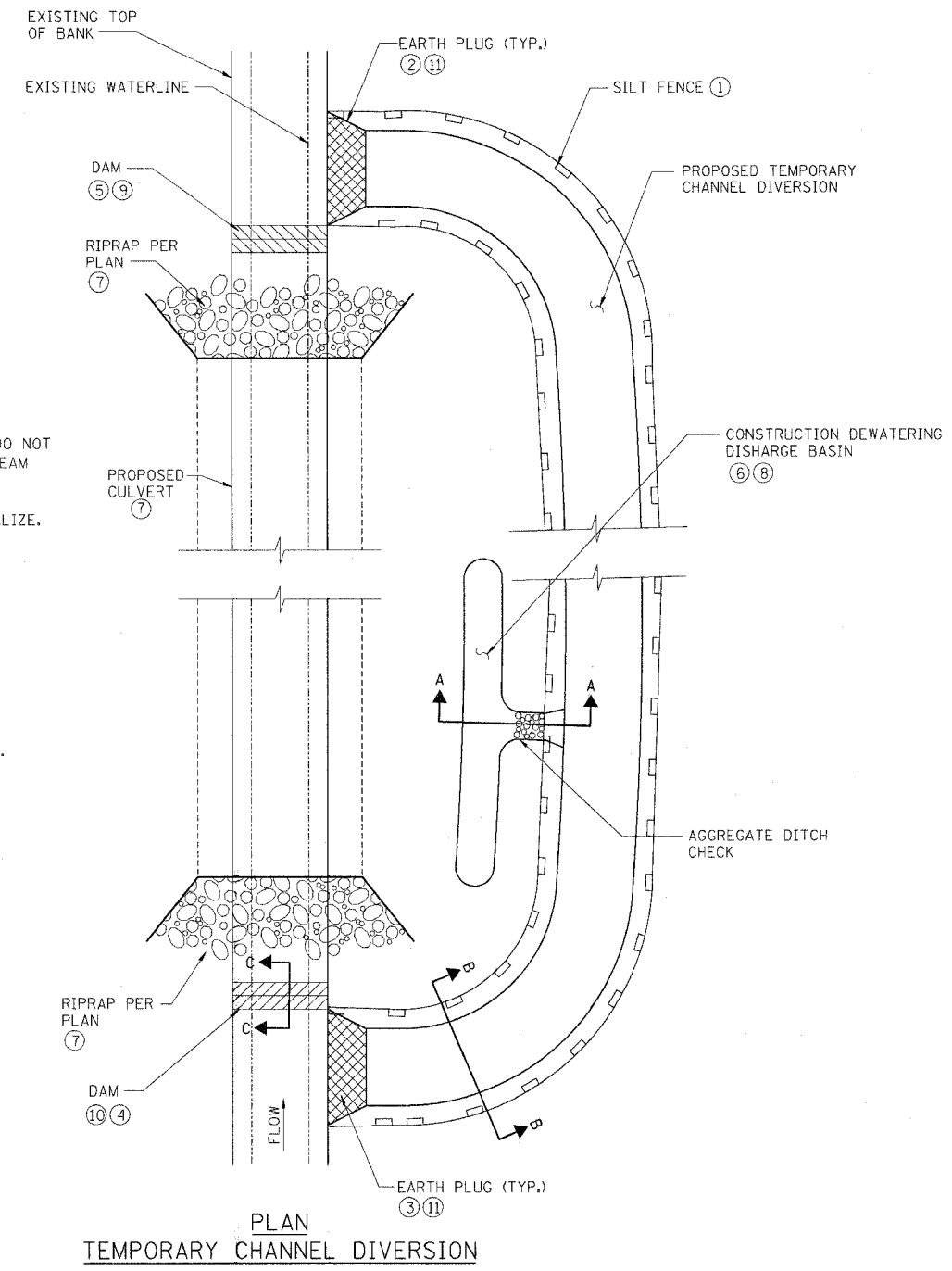
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	145
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
*10203.1 & 03041 R-6			CONTRACT # 62105	

GENERAL NOTES

1. THE CONTRACTOR SHALL FOLLOW THE CONSTRUCTION SEQUENCE DESCRIBED BELOW.
2. THE NEW CULVERT AND ANY REQUIRED RIPRAP SHALL BE COMPLETED PRIOR TO INITIATING OPENING OF THE CULVERT TO FLOW.

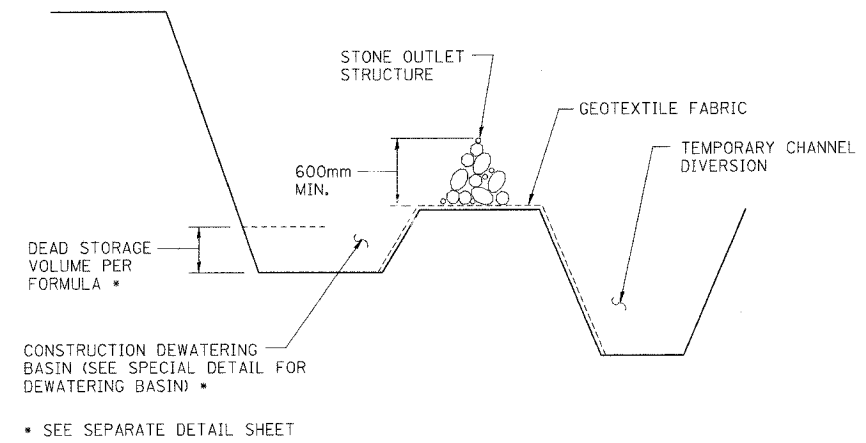
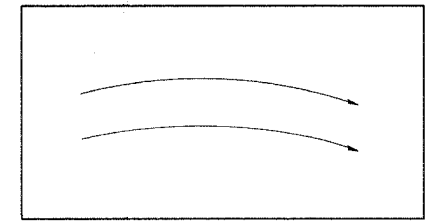
CONSTRUCTION SEQUENCE

1. INSTALL SILT FENCE. EXCAVATE TEMPORARY CHANNEL DIVERSION - DO NOT BREAK THROUGH EXISTING EARTH PLUG AT UPSTREAM AND DOWN STREAM ENDS. LINE CHANNEL WITH GEOTEXTILE FABRIC.
2. EXCAVATE DOWNSTREAM EARTH PLUG, ALLOW WATER LEVELS TO EQUALIZE.
3. EXCAVATE UPSTREAM EARTH PLUG.
4. CONSTRUCT UPSTREAM DAM IN ACCORDANCE WITH DETAIL.
5. CONSTRUCT DOWNSTREAM DAM IN ACCORDANCE WITH DETAIL.
6. CONSTRUCT DEWATERING DISCHARGE BASIN. DEWATER PROPOSED CULVERT LOCATION BY PUMPING INTO DISCHARGE BASIN ONLY.
7. CONSTRUCT PROPOSED CULVERT AND ANY REQUIRED STABILIZATION BOTH UPSTREAM AND DOWNSTREAM, INCLUDING CHANNEL TRANSITIONS.
8. REMOVE (FILL) DEWATERING DISCHARGE BASIN.
9. REMOVE DOWNSTREAM DAM, ALLOW WATER LEVELS TO EQUALIZE.
10. REMOVE UPSTREAM DAM.
11. CONSTRUCT EARTH PLUGS, UTILIZE SALVAGED RIPRAP FROM DAMS.
12. FILL CHANNEL PER EMBANKMENT SPECIFICATIONS.

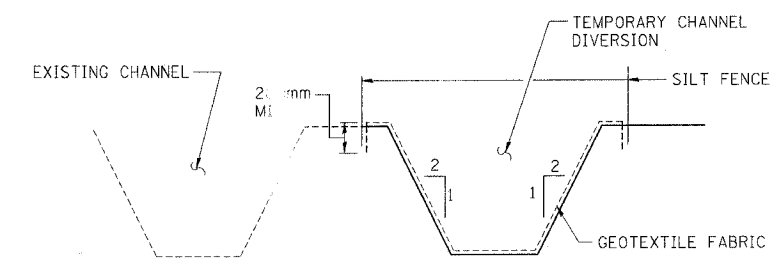


PLAN
TEMPORARY CHANNEL DIVERSION

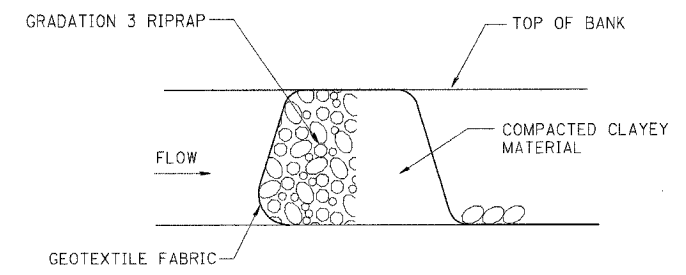
STANDARD SYMBOL



SECTION A-A



SECTION B-B



SECTION C-C

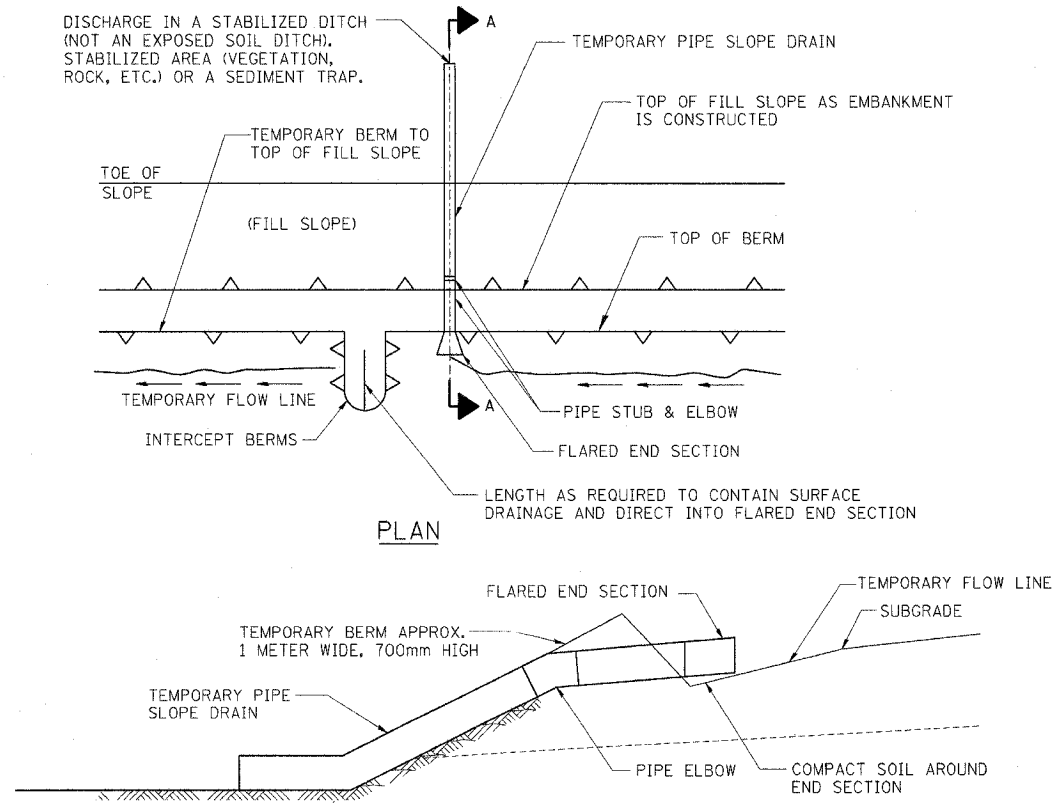
ED-6

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
J.P.W.	1/19/04	EROSION AND SEDIMENT CONTROLS TEMPORARY CHANNEL DIVERSION

DATE: JULY 18, 2005
DRAWN BY: JPW
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	146
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		



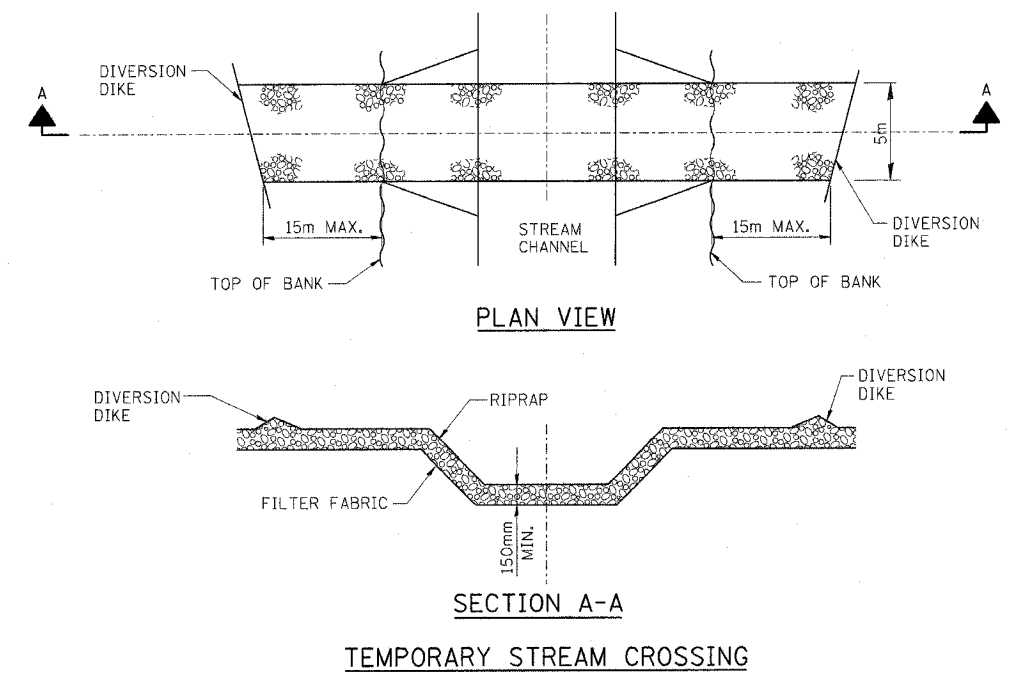
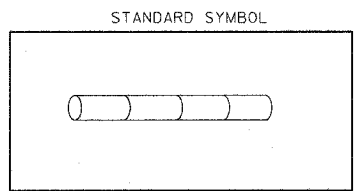
SECTION A-A
FOR ALL SLOPES

TEMPORARY PIPE SLOPE DRAIN SHALL BE USED AT THE TOP OF FILL SLOPE AS EMBANKMENT IS CONSTRUCTED TO PREVENT EXCESSIVE EROSION UNTIL SHOULDERS ARE CONSTRUCTED AND THE SLOPES ARE SEEDING AND MULCHED.

**EROSION CONTROL
TEMPORARY PIPE SLOPE DRAIN**

GENERAL NOTES:

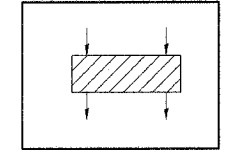
1. ALL DIMENSIONS AND LOCATIONS NOT INDICATED, FOR ITEMS APPEARING ON THIS SHEET OR ON THE PLANS SHALL BE DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL PLACE GEOTEXTILE AROUND THE METAL END SECTION TO PREVENT BLOW-OUTS.
3. ALL TEMPORARY SLOPE DRAINS WILL DISCHARGE INTO THE BACK OF SEDIMENT TRAPS, INTO SEDIMENT BASINS OR DITCHES DISCHARGING INTO TRAPS OR BASINS.
4. PIPE WILL BE SECURED THROUGH USE OF HOLD DOWN STAKES WITH A MAXIMUM SPACING OF 3 METERS.
5. TEMPORARY PIPE SLOPE DRAINS WILL BE SPACED A MAX. OF EVERY 150 METERS ALONG THE FILL WITH A STANDARD DIA. OF 450mm. THIS PIPE SIZE IS ADEQUATE TO HANDLE 0.6 HECTARES OF CONTRIBUTING AREA. SPACING OR SIZE TO BE ADJUSTED IF CONTRIBUTING AREA IS LARGER THAN 0.6 HECTARES. AT LEAST TWO TEMPORARY PIPE SLOPE DRAINS WILL BE PLACED IN EVERY SAG.
6. STAPLES SHALL BE USED TO ANCHOR THE FILTER FABRIC AND SHALL BE UNIFORMLY SPACED AT APPROXIMATELY 300mm.



NOTES:

1. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 1080.03 - FILTER FABRIC FOR USE WITH RIPRAP AND SHALL BE PLACED OVER THE CLEARED AREA PRIOR TO THE PLACING ROCK.
2. ROCK OR RECLAIMED CONCRETE SHALL MEET EROSION & SEDIMENT CONTROL RIPRAP, GRADATION 3.
3. THE STREAM CROSSING SHALL BE MADE AS PERPENDICULAR TO THE CENTERLINE OF THE STREAM AS POSSIBLE.
4. THE CROSSING SHALL BE REMOVED IMMEDIATELY WHEN NO LONGER NEEDED AND THE STREAM CHANNEL RESTORED TO ITS ORIGINAL CROSS SECTION.
5. WHEN THE STREAM HAS BASEFLOW, IT IS RECOMMENDED THAT A TEMPORARY PIPE BE INSTALLED IN THE BOTTOM OF THE CROSSING AND ADDITIONAL RIPRAP BE PLACED OVER THE PIPE TO PROTECT THE PIPE FROM CONSTRUCTION TRAFFIC.
6. THIS WORK WILL BE PAID FOR UNDER THE FOLLOWING ITEMS:
EARTH EXCAVATION FOR EROSION CONTROL STONE RIPRAP, CLASS (SPECIFIED ON PLAN) FILTER FABRIC FOR USE WITH RIPRAP.

STANDARD SYMBOL

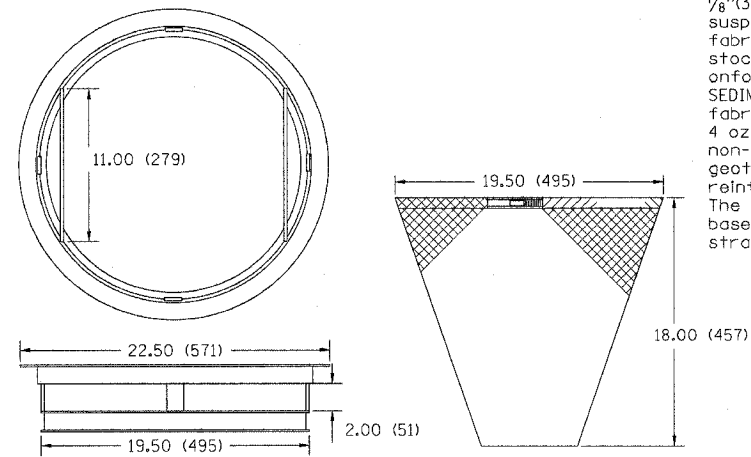


ED-7

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294) EROSION AND SEDIMENT CONTROLS TEMPORARY PIPE SLOPE DRAINS AND TEMPORARY STREAM CROSSING DETAILS
NAME	DATE	
J.P.W.	1/19/04	DRAWN BY: JPW CHECKED BY: RCH DATE: JULY 18, 2005

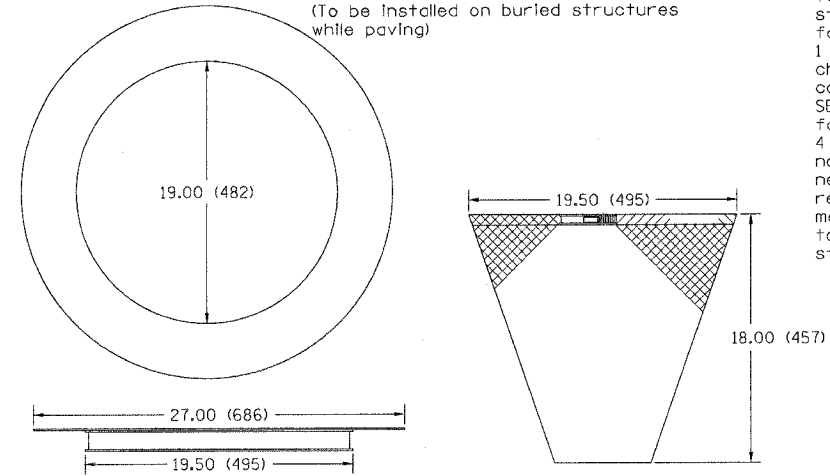
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	147
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		

TYPE I INLET FILTER



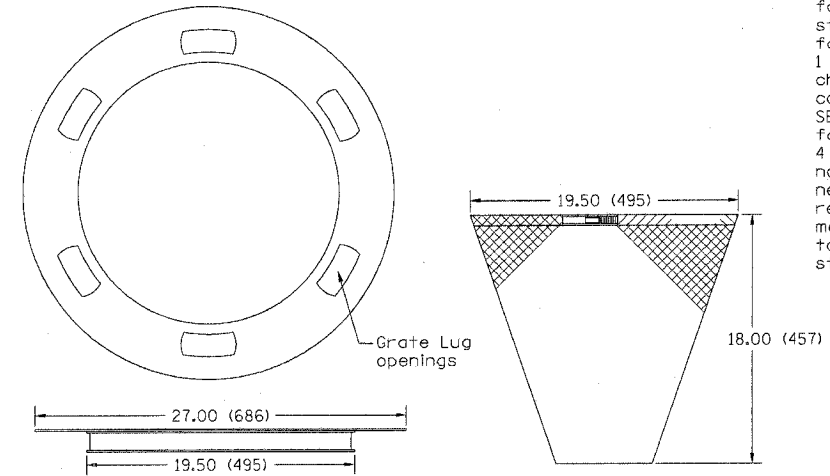
NOTES:
 FRAME: Top ring shall be fabricated from 1 1/4"(31.7) x 1 1/4"(31.7) x 1/8"(3.1) angle. Base ring shall be fabricated from 1 1/2"(38.1) x 1/2"(12.7) x 1/8"(3.1) channel. Handles and suspension brackets shall be fabricated from 1 1/4"(31.7) x 1/4"(6.3) flat stock. Domestic steel conforming to ASTM-A36.
 SEDIMENT BAGS: Shall be fabricated from 4 oz./sq. yd.(0.142 L/SQ M) non-woven polypropylene geotextile and shall be reinforced with polyester mesh. The bag shall be secured to the base ring with a stainless steel strap and lock.

CATCH BASIN & INLET FILTER
 (To be installed on buried structures while paving)



NOTES:
 FRAME: Flange shall be fabricated from 1/8"(3.1) flat stock. Base ring shall be fabricated from 1 1/2"(38.1) x 1/2"(12.7) x 1/8"(3.1) channel. Domestic steel conforming to ASTM-A36.
 SEDIMENT BAG: Shall be fabricated from 4 oz./sq. yd.(0.142 L/SQ M) non-woven polypropylene geotextile and shall be reinforced with polyester mesh. The bag shall be secured to the base ring with a stainless steel strap and lock.

TYPE 8 INLET FILTER



NOTES:
 FRAME: Flange shall be fabricated from 1/8"(3.1) flat stock. Base ring shall be fabricated from 1 1/2"(38.1) x 1/2"(12.7) x 1/8"(3.1) channel. Domestic steel conforming to ASTM-A36.
 SEDIMENT BAG: Shall be fabricated from 4 oz./sq. yd.(0.142 L/SQ M) non-woven polypropylene geotextile and shall be reinforced with polyester mesh. The bag shall be secured to the base ring with a stainless steel strap and lock.

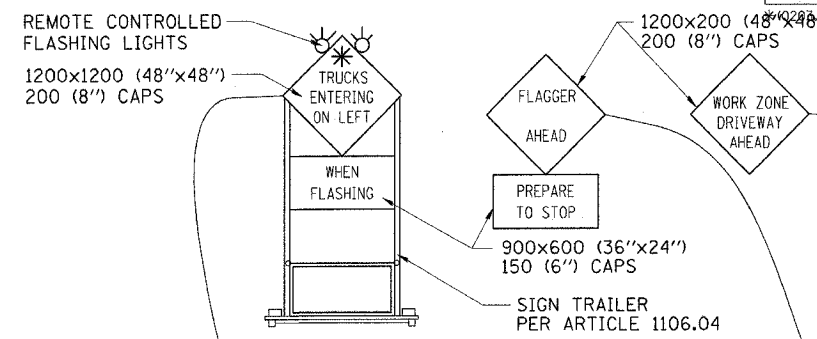
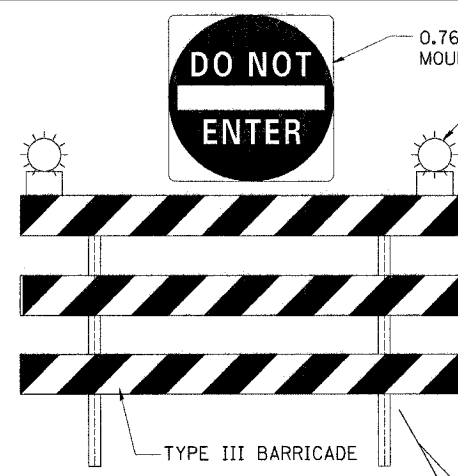
NOTE: ALL UNITS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

ED-8

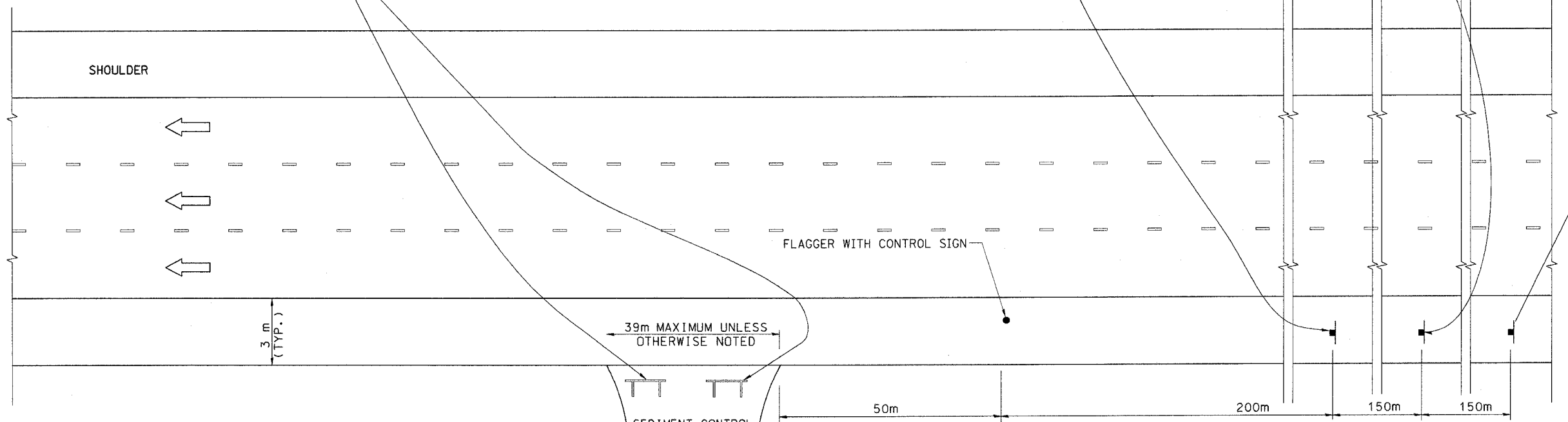
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		SEDIMENT CONTROL DRAINAGE STRUCTURE INLET FILTER
NOT TO SCALE DATE: JULY 18, 2005		DRAWN BY: JPW CHECKED BY: RCH
McDonough Associates Inc. <small>Engineers / Architects</small>		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	148
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*0201 & 0304 R-6		CONTRACT # 62105		

* SIGNS ARE TO READ "TRUCK ENTERING ON LEFT/RIGHT"
"TRUCK LEAVING LEFT/RIGHT" AS APPLICABLE.



WARNING SIGNS SHALL HAVE BLACK LEGEND ON ORANGE BACKGROUND



SEDIMENT CONTROL STABILIZED CONSTRUCTION ENTRANCE (SEE SHEET _ FOR DETAILS)

NOTES

1. THE "FLAGGER AHEAD" AND "TRUCKS ENTERING ON LEFT/RIGHT" SIGNS SHALL BE MOVED OR TURNED AWAY FROM TRAFFIC WHEN THE FLAGGING OPERATION CEASES.
2. WORK ZONE DRIVEWAYS SHALL BE LOCATED AS PER TABLE A OR AT LOCATIONS AS REQUESTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
3. THE FLASHING LIGHT ON THE "TRUCKS ENTERING ON LEFT" SIGN SHALL MEET THE REQUIREMENTS OF ARTICLE 702.05(c) AND BE OPERATED BY THE FLAGGER REMOTELY. THE LIGHTS SHALL BE FLASHING ONLY WHEN A VEHICLE IS ENTERING THE EXPRESSWAY.
4. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE DRIVEWAY WILL BE PROHIBITED.
5. ALL VEHICLES SHALL ENTER THE WORK ZONE AT THESE OPENINGS. USING THEIR TURN SIGNALS TO WARN MOTORISTS.
6. INSTALL A MINIMUM OF 2 TYPE III BARRICADES WITH FLASHING LITES AND 1 DO NOT ENTER SIGN AT ALL TIMES WHEN NO WORK IS PERFORMED AT THE SITE. THE COSTS OF INSTALLING, MAINTAINING AND REMOVING ALL BARRICADES AND SIGNS SHOWN ON THIS SHEET SHALL BE INCLUDED IN THE UNIT BID PRICE FOR "TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)"

MAINTENANCE OF TRAFFIC LEGEND AND SYMBOLS

- FLAGGER WITH CONTROL SIGN
- ← DIRECTION OF TRAFFIC
- SIGN ON SUPPORT

**TABLE A
WORK ZONE DRIVEWAY LOCATIONS**

STATION	LOCATION

REVISIONS

NAME	DATE
J.P.W.	1/19/04

ED-9

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

TRAFFIC CONTROL FOR STABILIZED CONSTRUCTION ENTRANCE/EXIT

SCALE: NONE
DATE: JULY 18, 2005

DRAWN BY: JPW
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

ROADWAY ELECTRICAL SYMBOL															
SYMBOL	DESCRIPTION														
	EXISTING HIGH MAST TOWER TO REMAIN														
	EXISTING HIGH MAST TOWER TO BE REMOVED														
	PROPOSED HIGH MAST TOWER ARROWS INDICATE QUANTITY AND ORIENTATION OF LUMINAIRES. NUMBER INDICATES TOWER TYPE														
	<table border="1"> <tr> <th>TYPE</th> <th>TOWER HEIGHT</th> </tr> <tr> <td>1</td> <td>30.0m (100ft.)</td> </tr> <tr> <td>2</td> <td>33.5m (110ft.)</td> </tr> <tr> <td>3</td> <td>36.5m (120ft.)</td> </tr> <tr> <td>4</td> <td>40.0m (130ft.)</td> </tr> <tr> <td>5</td> <td>42.5m (140ft.)</td> </tr> <tr> <td>6</td> <td>45.5m (150ft.)</td> </tr> </table>	TYPE	TOWER HEIGHT	1	30.0m (100ft.)	2	33.5m (110ft.)	3	36.5m (120ft.)	4	40.0m (130ft.)	5	42.5m (140ft.)	6	45.5m (150ft.)
TYPE	TOWER HEIGHT														
1	30.0m (100ft.)														
2	33.5m (110ft.)														
3	36.5m (120ft.)														
4	40.0m (130ft.)														
5	42.5m (140ft.)														
6	45.5m (150ft.)														
	PROPOSED LIGHTING UNIT														
	PROPOSED LIGHTING UNIT, TWIN ARMS														
	EXISTING LIGHTING UNIT TO REMAIN														
	EXISTING LIGHTING UNIT, TWIN ARMS														
	EXISTING LIGHTING UNIT TO BE REMOVED														
	TEMPORARY LIGHTING UNIT														
	EXISTING TEMPORARY LIGHTING UNIT TO BE REMOVED														
	EXISTING TEMPORARY LIGHTING UNIT TO REMAIN														
	TEMPORARY LIGHTING UNIT WITH TWIN MAST ARM														
	EXPOSED CONDUIT														
	RACEWAY OR DIRECT BURIAL CABLE UNDERGROUND WITHOUT ENCASEMENT														
	EXISTING UNDERGROUND WIRING TO REMAIN														
	EXISTING CONDUIT EXPOSED														
	FLEXIBLE CONDUIT														
	EXISTING UNIT DUCT TO BE ABANDONDED														
	AERIAL ELECTRIC CABLE														
	EXISTING AERIAL ELECTRIC CABLE														
	RACEWAY EMBEDDED IN STRUCTURE														
	RIGID GALVANIZED STEEL CONDUIT SLEEVE, TRENCHED OR PUSHED														
	CONDUIT TURNED DOWN														
	CONDUIT TURNED UP														
	EXISTING UNDERPASS LUMINAIRE														
	UNDERPASS LUMINAIRE														
	ELECTRIC CONNECTION TO SIGN STRUCTURE CANTILEVER SIGN STRUCTURE														
	ELECTRIC CONNECTION TO SIGN STRUCTURE TRUSS TYPE SIGN STRUCTURE														
	ELECTRIC CONNECTION TO SIGN STRUCTURE BRIDGE MOUNTED SIGN STRUCTURE														
	DUCT BANK														

ROADWAY ELECTRICAL SYMBOL	
SYMBOL	DESCRIPTION
	ELECTRIC JUNCTION BOX, TYPE AND SIZE AS INDICATED
	ELECTRIC HANDHOLE
	ELECTRIC PULLBOX
	EXISTING LIGHTING CONTROLLER, DUPLEX
	EXISTING UTILITY SERVICE CONNECTION, POLE MOUNTED
	EXISTING UTILITY SERVICE CONNECTION, PAD MOUNTED
	PROPOSED LIGHTING CONTROLLER, DUPLEX
	PROPOSED UTILITY SERVICE CONNECTION, POLE MOUNTED
	PROPOSED UTILITY SERVICE CONNECTION, PAD MOUNTED
	TEMPORARY WOOD POLE
	ELECTRIC UTILITY POLE
	ELECTRIC GROUND ROD
	ELECTRIC SERVICE WEATHERHEAD
	EXISTING DYNAMIC MESSAGE SIGN
	EXISTING FLASHING BEACON SIGN
	EXISTING CLOSED CIRCUIT TELEVISION CAMERA
	EXISTING MICROWAVE DETECTOR
	EXISTING DETECTOR LOOP
	PROPOSED DYNAMIC MESSAGE SIGN
	PROPOSED FLASHING BEACON SIGN
	PROPOSED CLOSED CIRCUIT TELEVISION CAMERA
	PROPOSED MICROWAVE DETECTOR
	PROPOSED DETECTOR LOOP

CALL-OUT SAMPLES

DEFINITION	EXAMPLE
<p>CKT. NO. LOCATION</p>	<p>6 ABC1 STA. 28+169, 48 LT</p>
<p>TOWER HANDHOLE INDICATOR</p>	
<p> [E] QUANTITY OF LUMINAIRES [A] LIGHTING CONTROL CABINET [B] CIRCUIT NUMBERS [C] POLE NUMBER </p>	<p> CKT. NO. LOCATION MOUNTING HEIGHT (MH) MAST ARM (MA) LUMINAIRE WATTAGE (W) </p> <p>CA1 STA. 600+29, 64 LT 14.5M MH, 4.5M MA, 400W</p>
<p> [C] LIGHTING CONTROL CABINET [A] CIRCUIT NUMBER [I] POLE NUMBER </p>	<p>WOOD POLE DESIGNATION LOCATION</p> <p>WP 18 STA. 1721+30, 65 RT</p> <p>WP18 - 18.3M POLE HEIGHT WP27 - 27.4M POLE HEIGHT</p>
<p>CONTROLLER DESIGNATION LOCATION & DESCRIPTION</p>	<p>LIGHTING CONTROLLER DA STA. 1652+29, 86 LT 240/480 V, 1Ø, 3 WIRE</p>
<p>CONDUIT QUANTITY, SIZE, TYPE, LENGTH INSTALLATION TYPE PUSHED, TRENCHED</p>	<p>100mm (4") DIA. RGC, 40' TRENCHED</p>
<p>CKT: CONDUCTORS RACEWAY</p>	<p>A&B: 3*4 & 1*6 GND. 30mm (1 1/4") DIA. UNIT DUCT</p>
<p>NEW OR EXISTING CABLE IN DUCT</p> <p>EMPTY DUCT</p> <p>DUCT IDENTIFICATION</p>	<p>CONCRETE ENCASED 100MM DIA. CNC CONDUIT WITH CABLE (TYPICAL, U.N.O.)</p> <p>120LM</p> <p>100MM DIA. CNC CONDUIT, SPARE</p> <p>DUCT BANK LENGTH</p>
<p>SIGN DESIGNATION # OF FLOURESCENT LUMINAIRES</p>	<p>B-1 6 LUMINAIRES</p>

ABBREVIATIONS

SYMBOL	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CNC	COILABLE NONMETALLIC CONDUIT
CT	CURRENT TRANSFORMER
CP	CONTROL PANEL
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
EM	EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM)
ER	EXISTING RELOCATED UNIT
ET	EXISTING TEMPORARY UNIT TO REMAIN
ETR	EXISTING TEMPORARY RELOCATED UNIT
FT	FEET OR FOOT
FND BW	FOUNDATION BARRIER WALL
FND BW OS	FOUNDATION BARRIER WALL OFFSET
FND CON	FOUNDATION CONCRETE
FND CON OS	FOUNDATION CONCRETE OFFSET
FND MET	FOUNDATION METAL
FND PW	FOUNDATION PARAPET WALL
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
M	METER
MA	MAST ARM
MM	MILLIMETER
MH	MOUNTING HEIGHT
NO. #	NUMBER
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVCC RGC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T	TEMPORARY LIGHTING UNIT
TMP	TEMPORARY
TR	TEMPORARY UNIT TO BE REMOVED, SALVAGE EQUIPMENT AS SPECIFIED
TRR	TEMPORARY UNIT TO BE REMOVED AND RELOCATED
TUR	TEMPORARY UNIT ON UTILITY POLE TO BE REMOVED
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
WP	WOOD POLE
XFMR	TRANSFORMER

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		ELECTRICAL SYMBOL LIST AND ABBREVIATIONS

DRAWN BY: WHL
CHECKED BY: KMY

DATE: JULY 18, 2005

McDonough Associates Inc.
Engineers / Architects

GE16-1

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	150
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		

GENERAL NOTES


1. THE CONTRACTOR SHALL REFER TO ROADWAY LIGHTING, SURVEILLANCE, HAR AND CCTV CONTRACT 62664 DRAWINGS FOR CONSTRUCTION COORDINATION WITH THE PROPOSED ROADWAY LIGHTING SYSTEM.
2. THE CONTRACTOR SHALL COORDINATE ALL WORK AND MATERIALS WITH ADJACENT AND OVERLAPPING CONTRACTS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THIS CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
3. THE CONTRACTOR SHALL OBTAIN A COPY OF THE PLANS FOR CONTRACT 62664 AND SHALL COORDINATE THE ELECTRICAL WORK IN THIS CONTRACT WITH THE WORK IN CONTRACT 62664. COORDINATION AND COOPERATION OF THE ELECTRICAL WORK IS MANDATORY WITH THE OTHER KINGERY CONTRACTS, ESPECIALLY CONTRACT 62664. COORDINATION MUST BE PERFORMED WHETHER THE ELECTRICAL WORK IS INSTALLED IN THIS CONTRACT OR INSTALLED BY ANOTHER CONTRACT. CONSTRUCTION FIELD MEETINGS WITH OTHER CONTRACTS, INSTALLATION OF ITEMS AND VERIFICATION OF INSTALLED ITEMS SHALL ALL BE PART OF COORDINATION EFFORT AMONGST THIS CONTRACT AND OTHER CONTRACTS. THE COORDINATION EFFORT AMONGST DIFFERENT CONTRACTS IS A SIGNIFICANT PART IN THE COMPLETION OF THE CONTRACT. IT IS AN INHERENT PART OF THE CONTRACT. THE COST OF THE WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THIS CONTRACT. NO EXTRA PAYMENT SHALL BE MADE FOR THE COORDINATION AMONGST OTHER CONTRACTS.

CONVERSION TABLE

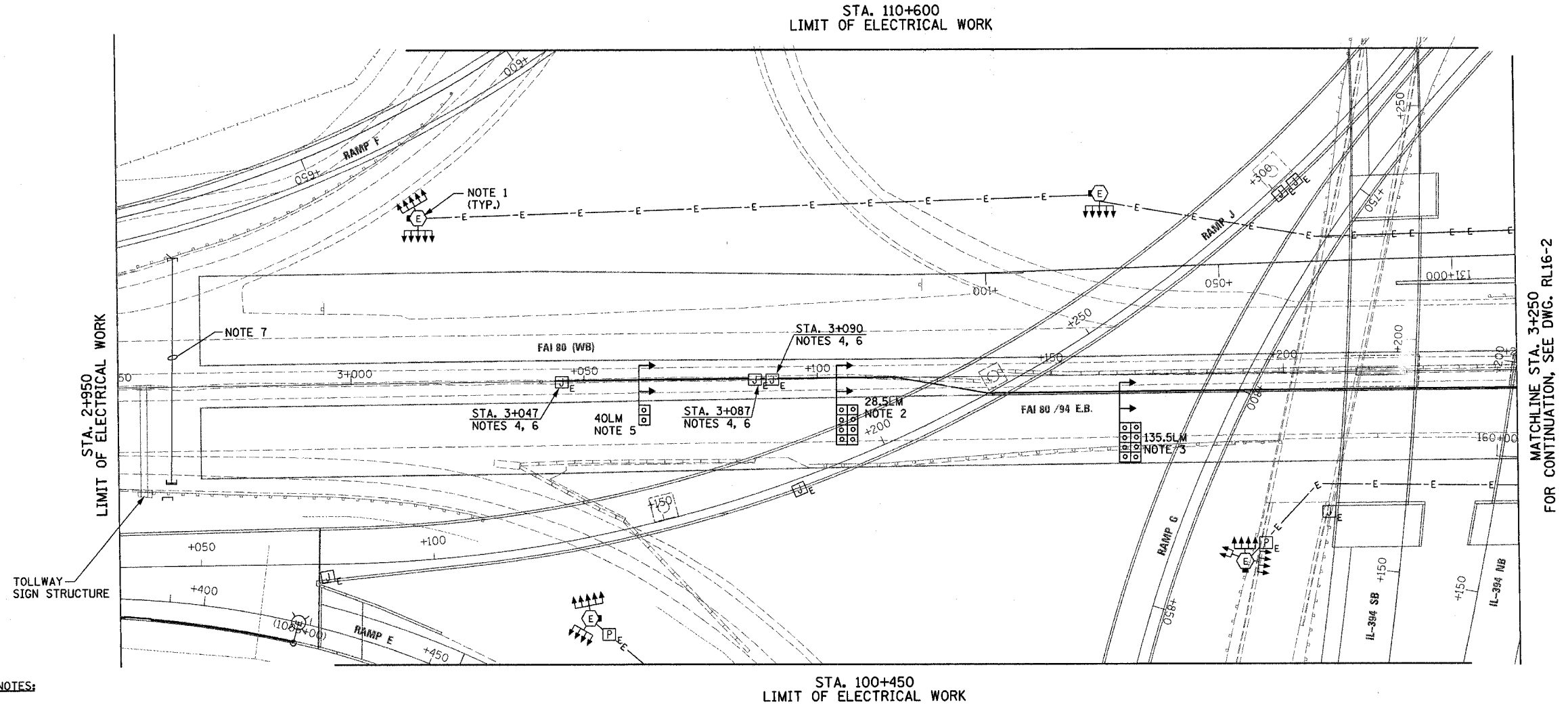
USE THE FOLLOWING TABLE FOR NOMINAL METRIC UNIT TO NOMINAL ENGLISH TRADE SIZE UNIT CONVERSION:

METRIC TO ENGLISH CONVERSION TABLE	
NOMINAL METRIC UNIT	NOMINAL ENGLISH UNIT
15 MM	1/2 INCH
20 MM	3/4 INCH
25 MM	1 INCH
30 MM	1 1/4 INCH
40 MM	1 1/2 INCH
50 MM	2 INCH
65 MM	2 1/2 INCH
75 MM	3 INCH
90 MM	3 1/2 INCH
100 MM	4 INCH
125 MM	5 INCH
150 MM	6 INCH
200 MM	8 INCH
275 MM	11 INCH
300 MM	12 INCH
450 MM	18 INCH
525 MM	21 INCH
600 MM	24 INCH
900 MM	36 INCH
40.0 M	120 FEET
45.5 M	150 FEET
48.5 M	160 FEET

GE16-2

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		GENERAL NOTES
DATE: JULY 18, 2005		DRAWN BY: MB CHECKED BY: KMY
 McDonough Associates Inc. Engineers / Architects		

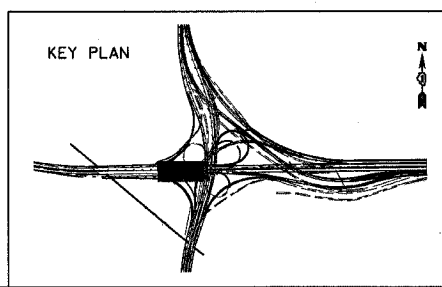
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	151
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT * 62105		



NOTES:

1. ALL HIGH MAST TOWERS ARE EXISTING OR TO BE INSTALLED UNDER CONTRACT 62664, SHOWN FOR INFORMATION ONLY.
2. CONDUIT EMBEDDED IN STRUCTURE, 30MM DIA. CNC, 4 WIDE X 2 HIGH. FOR DETAILS, SEE DRAWING ED16-4.
3. CONDUIT ENCASED, REINFORCED CONCRETE, 30MM DIA. CNC, 4 WIDE X 2 HIGH. THE REINFORCEMENT SHALL BEGIN MINIMUM 1.5 METER BEFORE DUCT BANK LEAVES THE MEDIAN BARRIER WALL FOUNDATION ON BOTH SIDES OF BRIDGE PIER STRUCTURE. FOR DETAILS, SEE DRAWING ED16-2.
4. JUNCTION BOX, STAINLESS STEEL 600MM X 1200MM X 300MM IS TO BE FURNISHED AND INSTALLED ON TOP OF BARRIER WALL UNDER CONTRACT 62664. FOR INSTALLATION DETAILS, SEE DRAWING ED16-3.
5. CONDUIT EMBEDDED IN STRUCTURE, 30MM DIA. CNC, 2 WIDE X 1 HIGH. FOR DETAILS, SEE DRAWING ED16-4.
6. FOR FIBER OPTIC DUCT BANK TERMINATION DETAILS, SEE DRAWING ED16-3.
7. EXISTING PUSHED CONDUIT FOR TOLLWAY LIGHTS SHALL REMAIN.
8. PROVIDE "CONCRETE GLARE SCREEN, SPECIAL" CONTINUOUSLY FROM THE J.B. AT STA. 3+047 TO 3+090.

STA. 100+450
LIMIT OF ELECTRICAL WORK



REVISIONS	
NAME	DATE

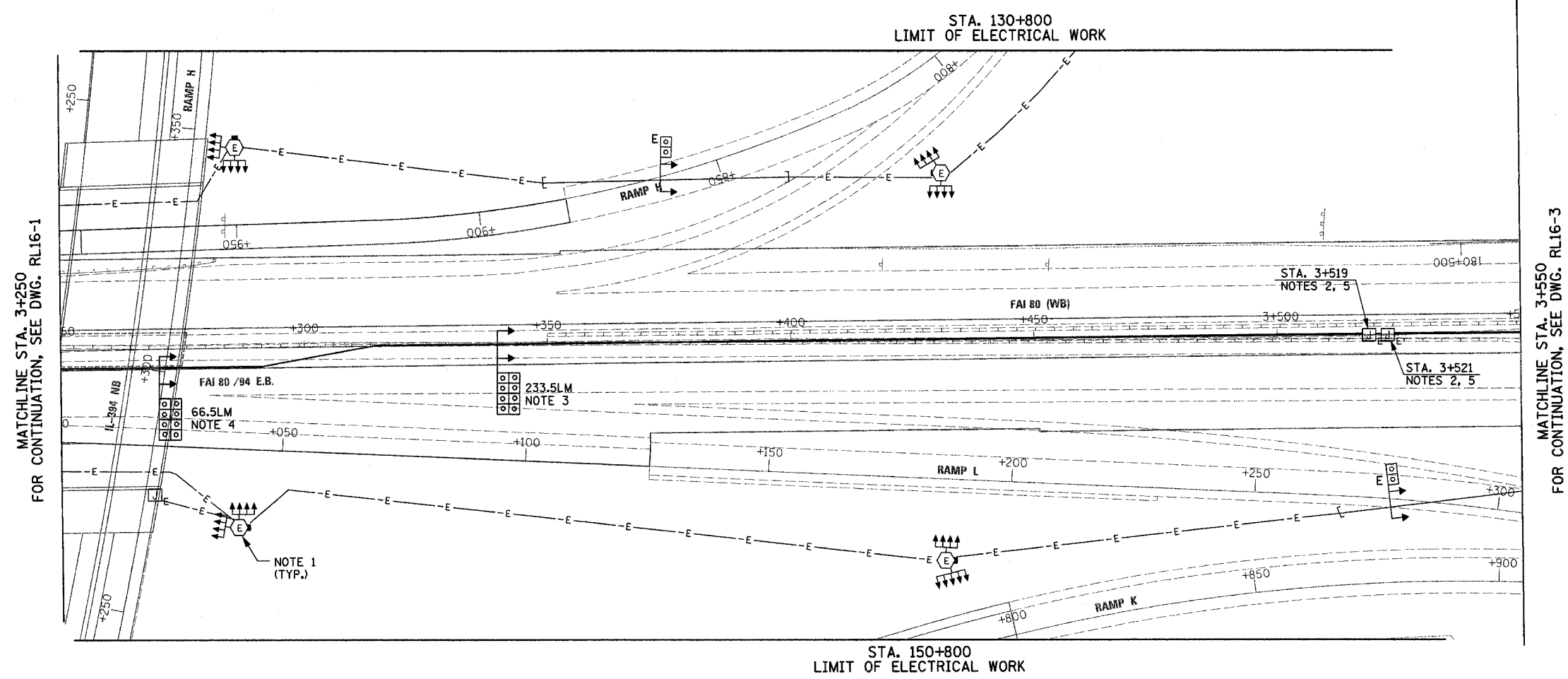
RL16-1

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
ELECTRICAL RACEWAY
PLAN
STA. 2+950 TO STA. 3+250

SCALE: 1:500 DRAWN BY: MB
DATE: JULY 18, 2005 CHECKED BY: KMY

McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	152
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6			CONTRACT # 62105	

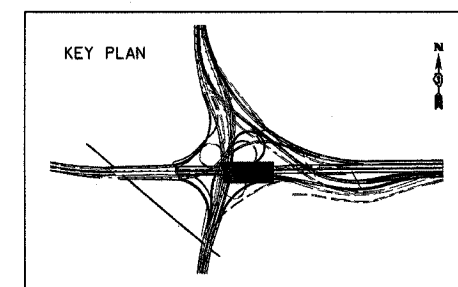
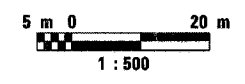


MATCHLINE STA. 3+250
FOR CONTINUATION, SEE DWG. RL16-1

MATCHLINE STA. 3+550
FOR CONTINUATION, SEE DWG. RL16-3

NOTES:

1. ALL HIGH MAST TOWERS ARE EXISTING OR TO BE INSTALLED UNDER CONTRACT 62664, SHOWN FOR INFORMATION ONLY.
2. JUNCTION BOX, STAINLESS STEEL 600MM X 1200MM X 300MM IS TO BE INSTALLED ON TOP OF BARRIER WALL UNDER CONTRACT 62664.
3. CONDUIT EMBEDDED IN STRUCTURE, 30MM DIA. CNC, 4 WIDE X 2 HIGH. FOR DETAILS, SEE DRAWING ED16-4.
4. CONDUIT ENCASED IN REINFORCED CONCRETE, 30MM DIA. CNC, 4 WIDE X 2 HIGH. REINFORCEMENT SHALL BEGIN MINIMUM 1.5 METER BEFORE DUCT BANK LEAVES THE MEDIAN BARRIER WALL ON BOTH SIDES OF BRIDGE PIER STRUCTURE. FOR INSTALLATION DETAILS, SEE DRAWING ED16-2.
5. FOR DETAILS OF BARRIER WALL CONDUIT INSTALLATION AT JUNCTION BOXES, SEE DRAWING ED16-1.
6. PROVIDE "CONCRETE GLARE SCREEN, SPECIAL" CONTINUOUSLY FROM THE J.B. AT STA. 3+518 TO 3+522.



REVISIONS	
NAME	DATE

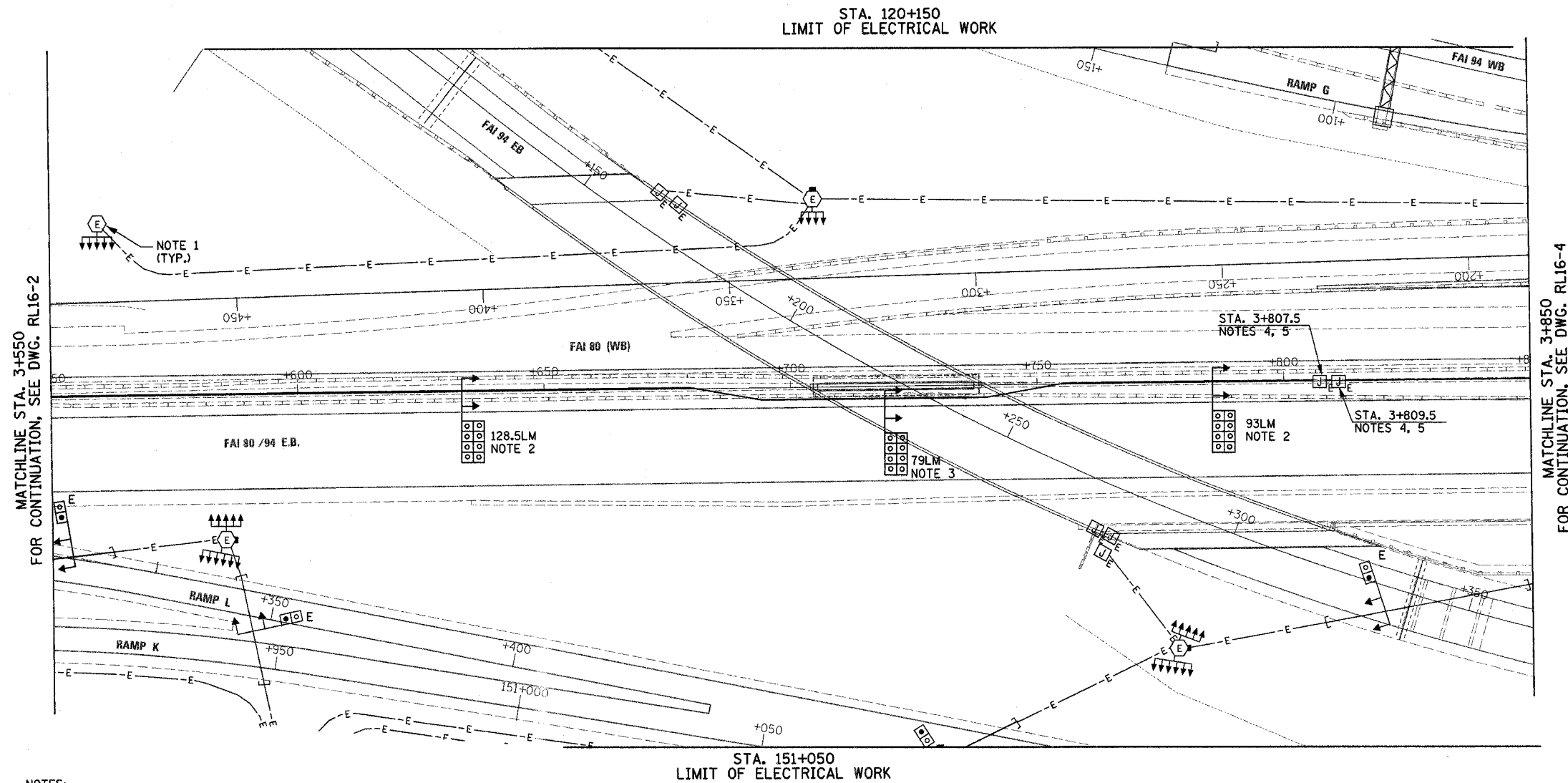
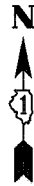
RL16-2

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
ELECTRICAL RACEWAY
PLAN
STA. 3+250 TO STA. 3+550

SCALE: 1:500
DATE: JULY 18, 2005
DRAWN BY: MB
CHECKED BY: KMY

McDonough Associates Inc.
Engineers / Architects

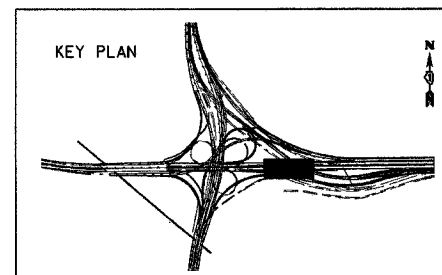
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	153
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
*(0203.1 & 0304) R-6			CONTRACT # 62105	



NOTES:

1. ALL HIGH MAST TOWERS ARE EXISTING OR TO BE INSTALLED UNDER CONTRACT 62352, SHOWN FOR INFORMATION ONLY.
2. CONDUIT EMBEDDED IN STRUCTURE, 30MM DIA. CNC, 4 WIDE X 2 HIGH. FOR DETAILS, SEE DRAWING ED16-4.
3. CONDUIT ENCASED IN REINFORCED CONCRETE, 30MM DIA. CNC, 4 WIDE X 2 HIGH. THE REINFORCEMENT SHALL BEGIN MINIMUM 1.5 METER BEFORE DUCT BANK LEAVES THE MEDIAN BARRIER WALL FOUNDATION ON BOTH SIDES OF BRIDGE PIER STRUCTURES. FOR INSTALLATION DETAILS, SEE DRAWING ED16-2.
4. JUNCTION BOX, STAINLESS STEEL, 600MM X 1200MM X 300MM IS TO BE INSTALLED ON TOP OF BARRIER WALL IN CONTRACT 62664.
5. FOR DETAILS OF BARRIER WALL CONDUIT INSTALLATION AT JUNCTION BOXES, SEE DRAWING ED16-1.
6. PROVIDE "CONCRETE GLARE SCREEN, SPECIAL" CONTINUOUSLY FROM THE J.B. AT STA. 3+807 TO 3+810.

STA. 151+050
LIMIT OF ELECTRICAL WORK



REVISIONS	
NAME	DATE

RL16-3

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
ELECTRICAL RACEWAY
PLAN
STA. 3+550 TO STA. 3+850

SCALE: 1:500
DATE: JULY 18, 2005

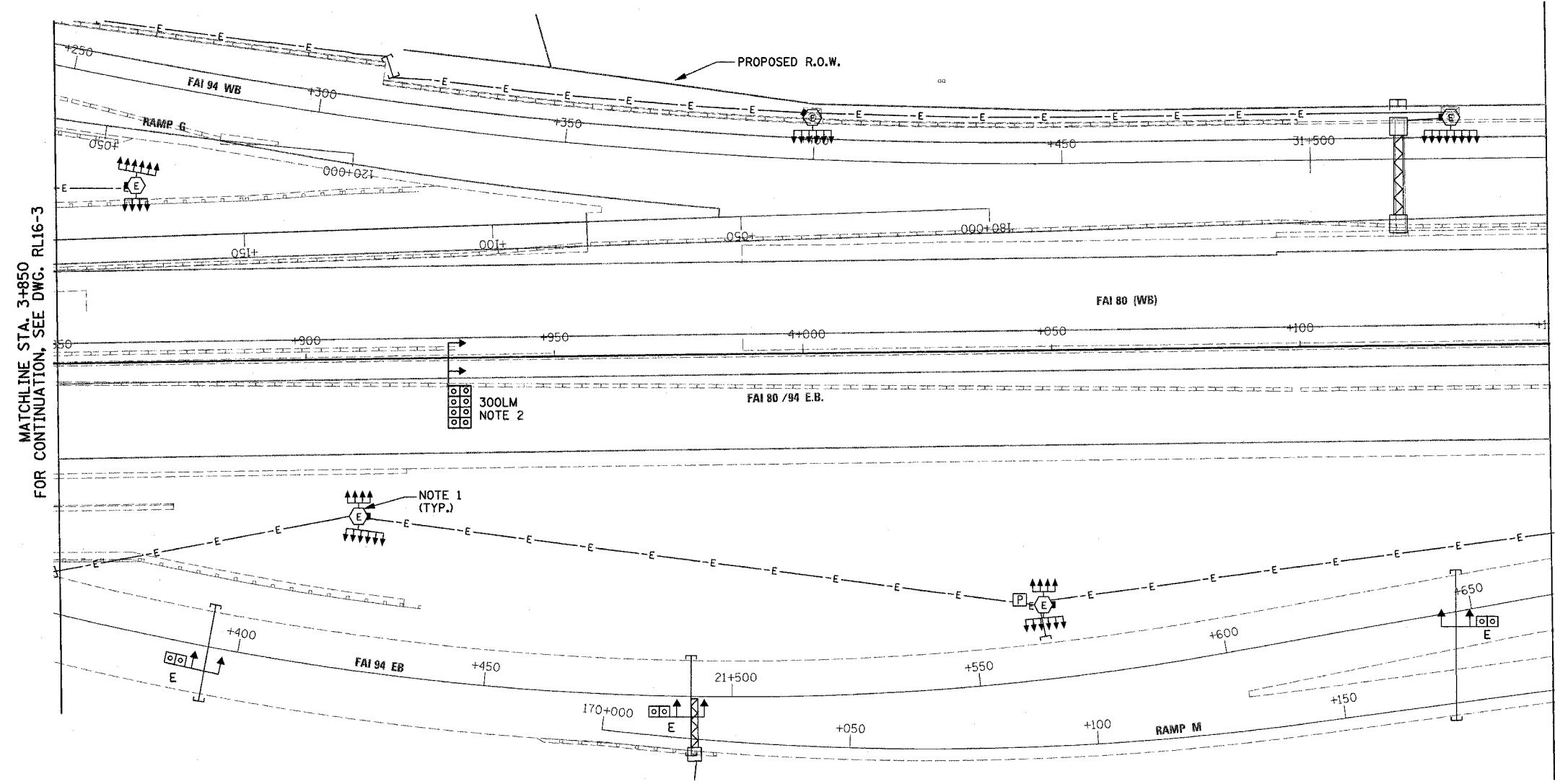
DRAWN BY: MB
CHECKED BY: KMY

McDonough Associates Inc.
Engineers / Architects

MATCHLINE STA. 3+550
FOR CONTINUATION, SEE DWG. RL16-2

MATCHLINE STA. 3+850
FOR CONTINUATION, SEE DWG. RL16-4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	154
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		



MATCHLINE STA. 3+850
FOR CONTINUATION, SEE DWG. RL16-3

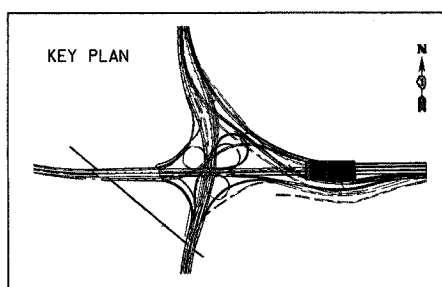
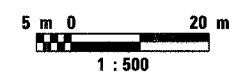
MATCHLINE STA. 4+150
FOR CONTINUATION, SEE DWG. RL16-5

300LM
NOTE 2

NOTE 1
(TYP.)

NOTES:

1. ALL HIGH MAST TOWERS ARE EXISTING OR TO BE INSTALLED UNDER CONTRACT 62664, SHOWN FOR INFORMATION ONLY.
2. CONDUIT EMBEDDED IN STRUCTURE, 30MM DIA. CNC, 4 WIDE X 2 HIGH. FOR DETAILS, SEE DRAWING ED16-4.



REVISIONS	
NAME	DATE

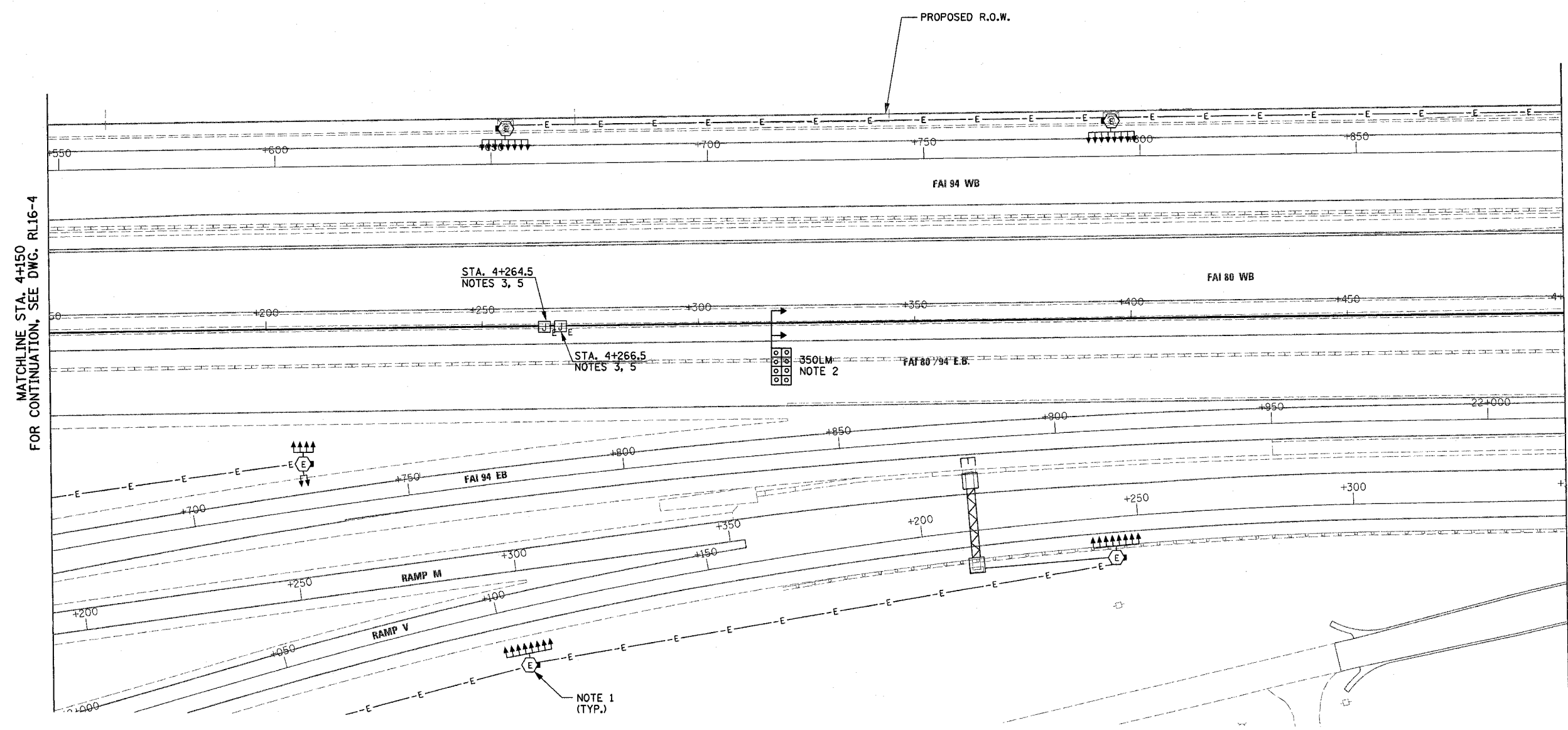
RL16-4

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
ELECTRICAL RACEWAY
PLAN
STA. 3+850 TO STA. 4+150

SCALE: 1:500
DATE: JULY 18, 2005
DRAWN BY: MB
CHECKED BY: KMY

McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	155
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
*(0203.1 & 0304) R-6		CONTRACT # 62105		

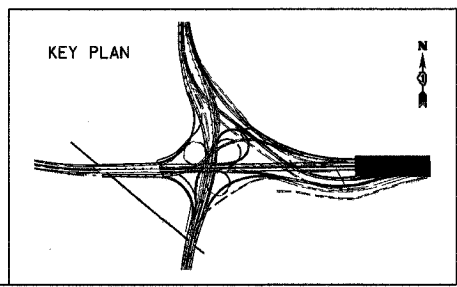
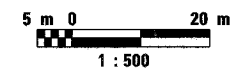


MATCHLINE STA. 4+150
FOR CONTINUATION, SEE DWG. RL16-4

STA. 4+500
CONTRACT LIMIT
(NOTE 4)

NOTES:

1. ALL HIGH MAST TOWERS ARE EXISTING OR TO BE INSTALLED UNDER CONTRACT 62664, SHOWN FOR INFORMATION ONLY.
2. CONDUIT EMBEDDED IN STRUCTURE, 30MM DIA. CNC, 4 WIDE X 2 HIGH. FOR DETAILS, SEE DRAWING ED16-4.
3. JUNCTION BOX, STAINLESS STEEL 600MM X 1200MM X 300MM IS TO BE INSTALLED ON TOP OF BARRIER WALL UNDER CONTRACT 62664.
4. END CONDUIT EMBEDDED IN STRUCTURE, 30MM DIA. CNC, 4 WIDE X 2 HIGH AT THE CONTRACT LIMIT. RACEWAYS EAST OF STA. 4+500 WILL BE INSTALLED UNDER CONTRACT 62111.
5. FOR DETAILS OF BARRIER WALL CONDUIT INSTALLATION AT JUNCTION BOXES, SEE DRAWING ED16-1.
6. PROVIDE "CONCRETE GLARE SCREEN, SPECIAL" CONTINUOUSLY FROM THE J.B. AT STA. 4+264 TO 4+267.



REVISIONS	
NAME	DATE

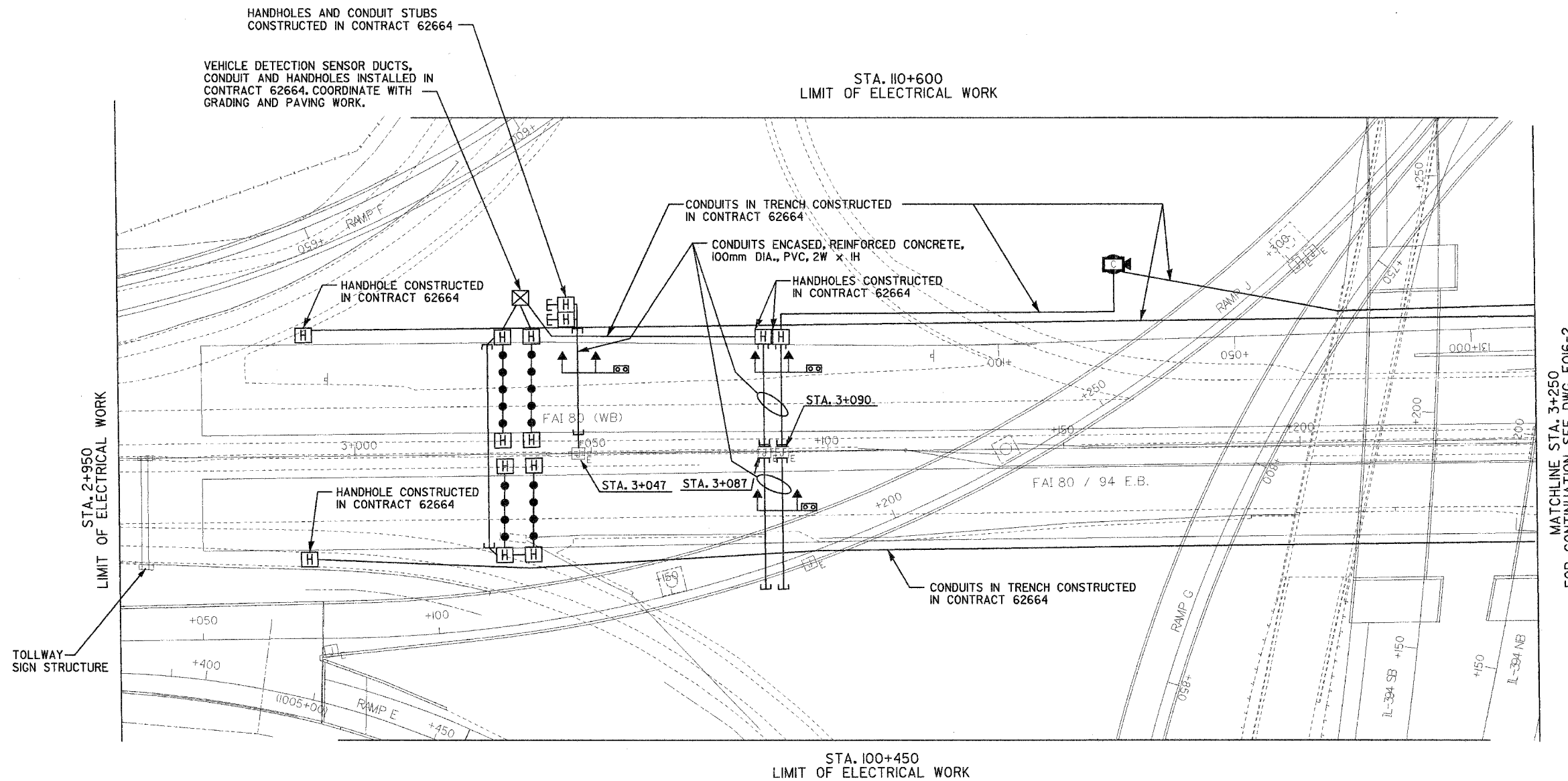
RL16-5

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
ELECTRICAL RACEWAY
PLAN
STA. 4+150 TO STA. 4+500

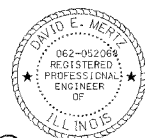
SCALE: 1:500 DRAWN BY: MB
DATE: JULY 18, 2005 CHECKED BY: KMY

McDonough Associates Inc.
Engineers / Architects

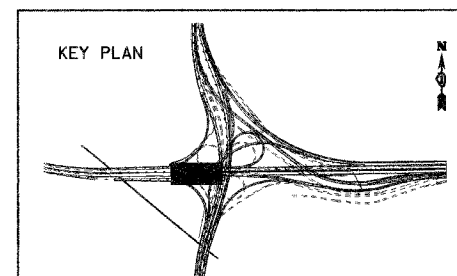
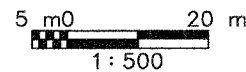
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	155A
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203J & 0304) R-6		CONTRACT # 62105		



THIS SEAL APPLY TO SHEETS
155A THROUGH 155F ONLY



David E. Mertz
DAVID E. MERTZ, P.E.
IL. REG. NO. 062-052068
EXPIRES: 30 NOV 2005
DATE: 17 August 2005

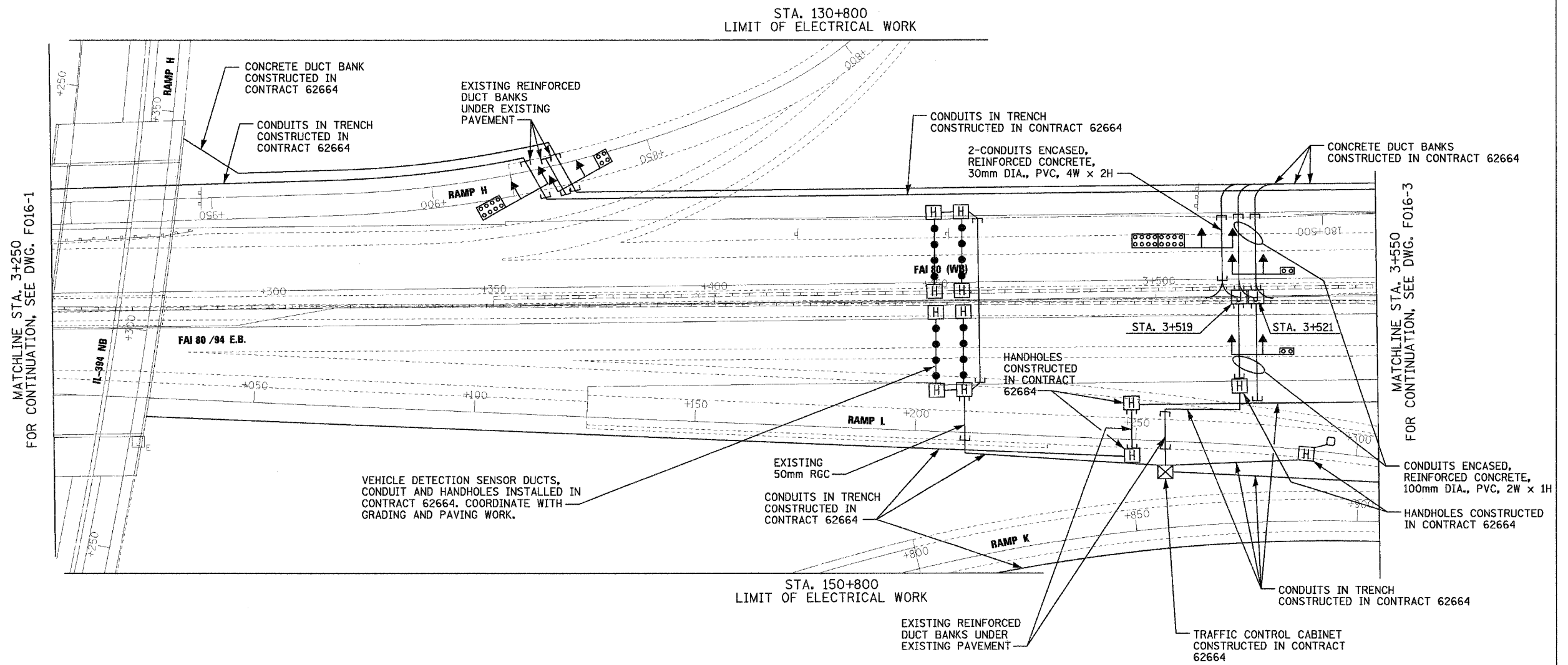


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
ELECTRICAL RACEWAY
PLAN
STA. 2+950 TO STA. 3+250
SCALE: 1:500
DATE: JULY 18, 2005
DRAWN BY: JRH
CHECKED BY: DEM

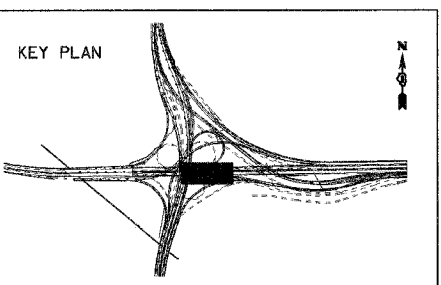
F016-1

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	155B
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT * 62105		



MATCHLINE STA. 3+250 FOR CONTINUATION, SEE DWG. F016-1

MATCHLINE STA. 3+550 FOR CONTINUATION, SEE DWG. F016-3



REVISIONS	
NAME	DATE

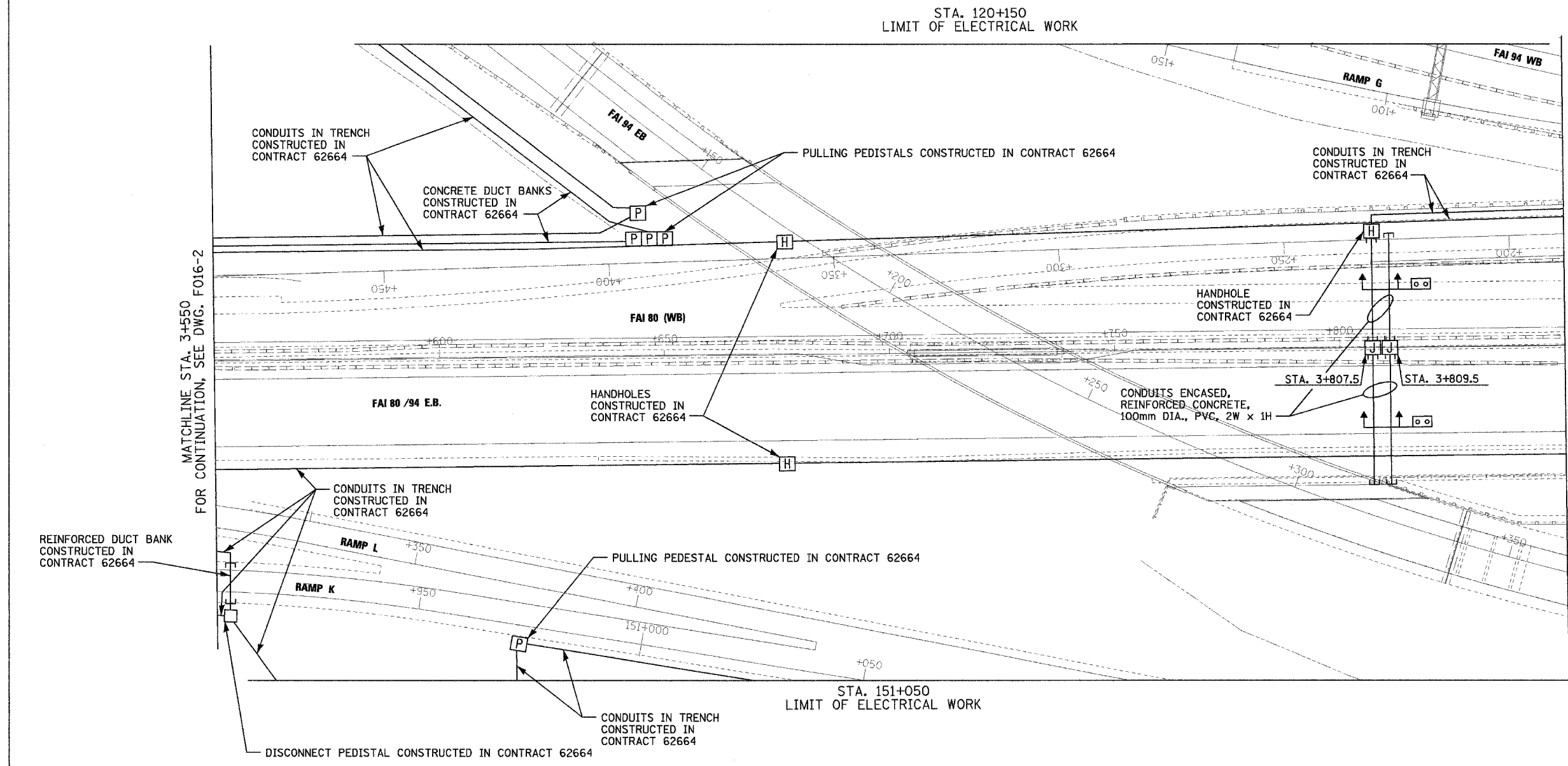
F016-2

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
 ELECTRICAL RACEWAY
 PLAN
 STA. 3+250 TO STA. 3+550

SCALE: 1:500
 DATE: JULY 18, 2005

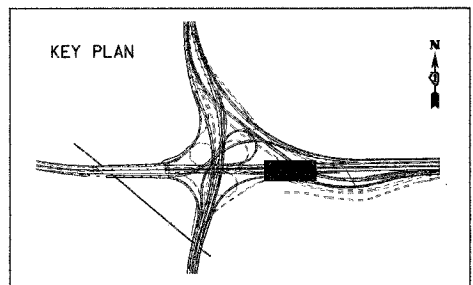
DRAWN BY: JRH
 CHECKED BY: DEM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	155C
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
*(0203.1 & 0304) R-6			CONTRACT * 62105	



MATCHLINE STA. 3+550
FOR CONTINUATION, SEE DWG. F016-2

MATCHLINE STA. 3+850
FOR CONTINUATION, SEE DWG. F016-4



REVISIONS	
NAME	DATE

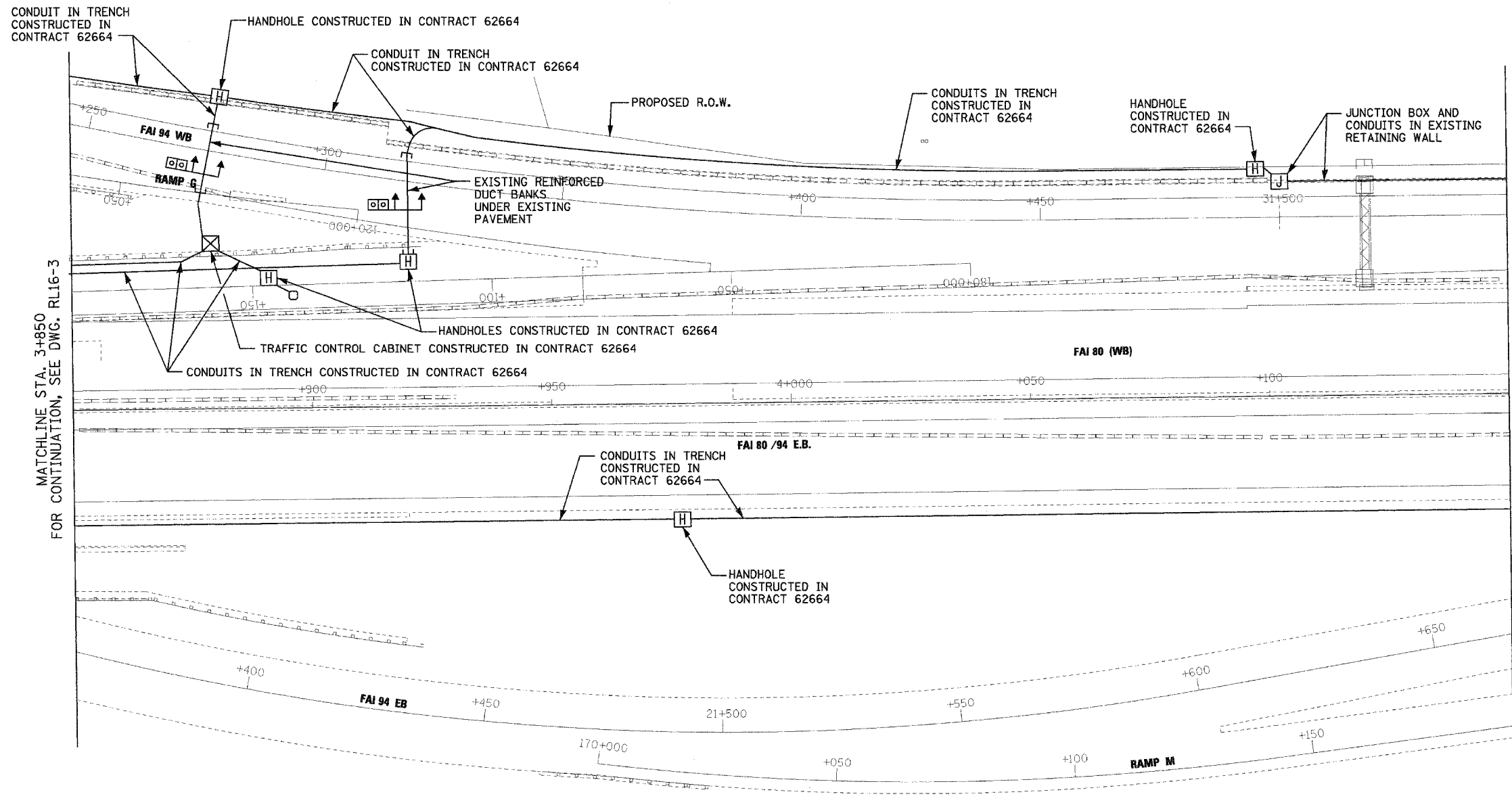
F016-3

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
ELECTRICAL RACEWAY
PLAN
STA. 3+550 TO STA. 3+850

SCALE: 1:500
DATE: JULY 18, 2005

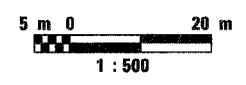
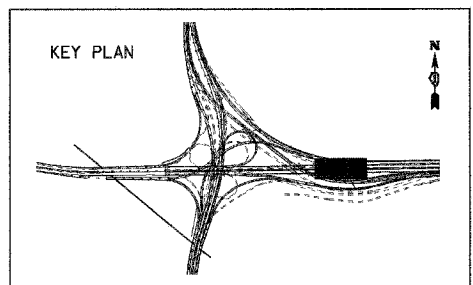
DRAWN BY: JRH
CHECKED BY: DEM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	155D
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
*(0203.1 & 0304) R-6			CONTRACT # 62105	



MATCHLINE STA. 3+850 FOR CONTINUATION, SEE DWG. RL16-3

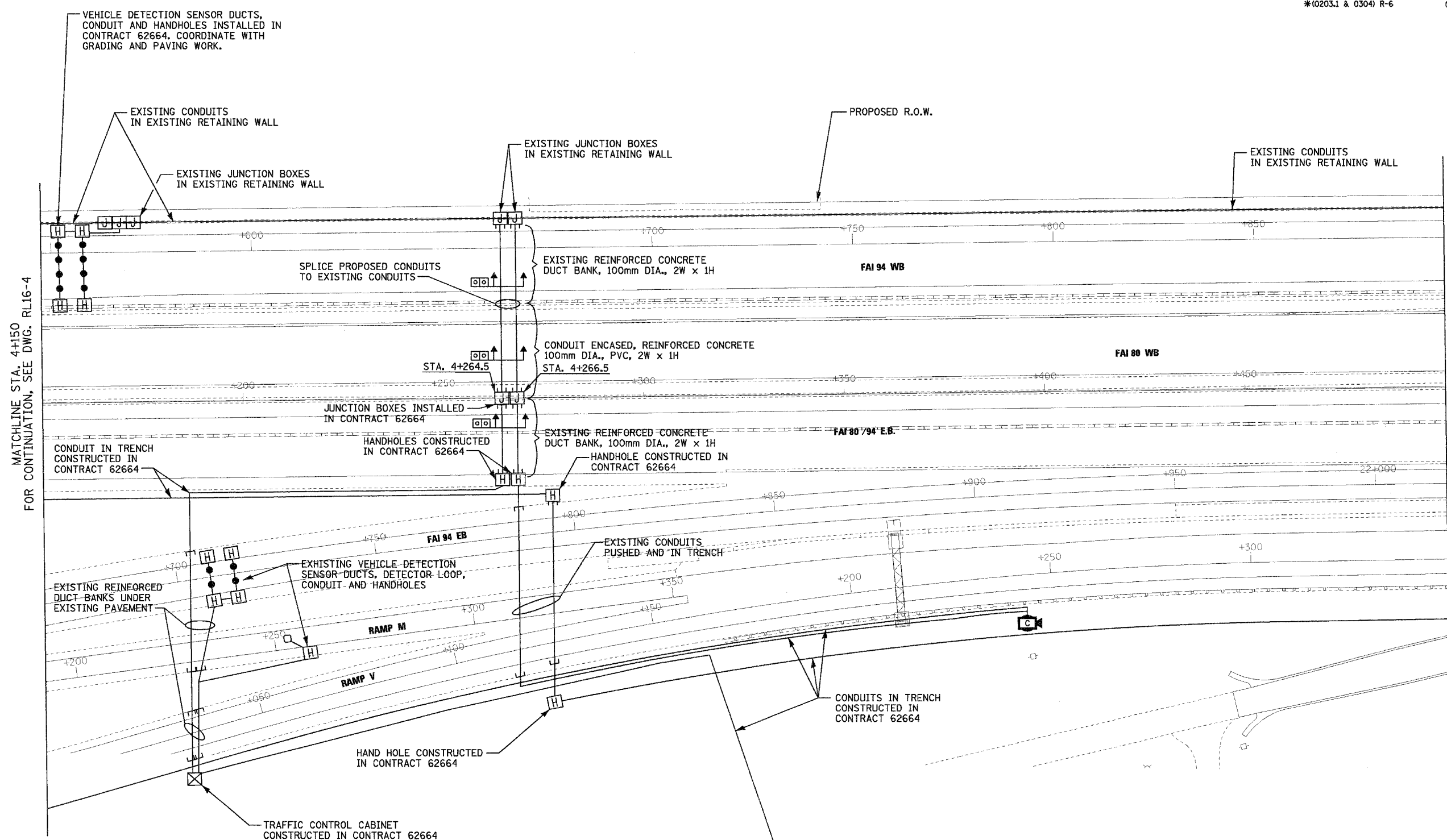
MATCHLINE STA. 4+150 FOR CONTINUATION, SEE DWG. RL16-5



REVISIONS	
NAME	DATE

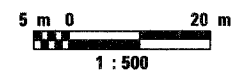
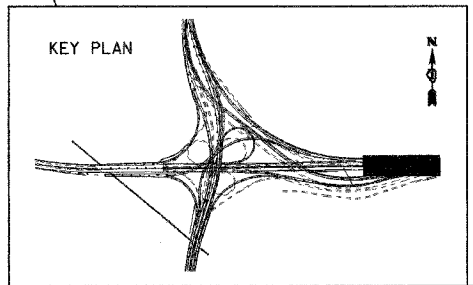
F016-4
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
 ELECTRICAL RACEWAY
 PLAN
 STA. 3+850 TO STA. 4+150
 SCALE: 1:500
 DATE: JULY 18, 2005
 DRAWN BY: JRH
 CHECKED BY: DEM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	155E
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
*(0203.1 & 0304) R-6		CONTRACT # 62105		



MATCHLINE STA. 4+150 FOR CONTINUATION, SEE DWG. RL16-4

STA. 4+500 CONTRACT LIMIT (NOTE 4)



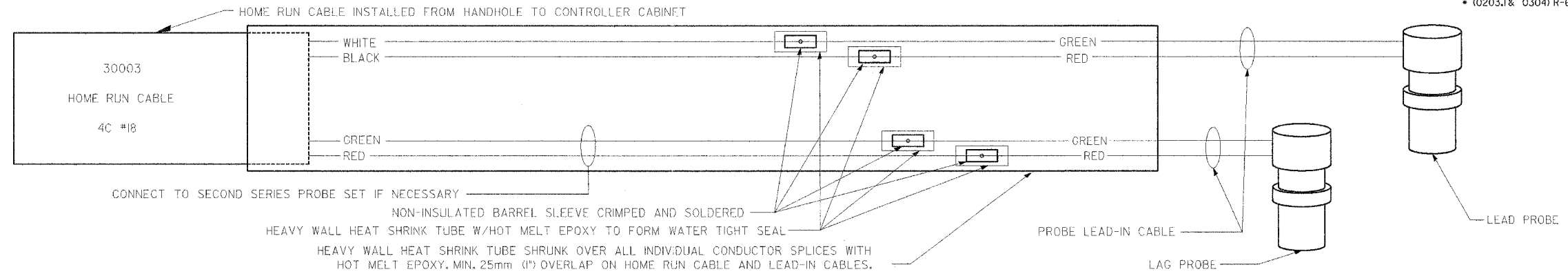
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
 ELECTRICAL RACEWAY
 PLAN
 STA. 4+150 TO STA. 4+500
 SCALE: 1:500
 DATE: JULY 18, 2005
 DRAWN BY: JRH
 CHECKED BY: DEM

F016-5

ALL DIMENSIONS IN METERS EXCEPT PAVEMENT ITEMS AND UNLESS NOTED OTHERWISE.

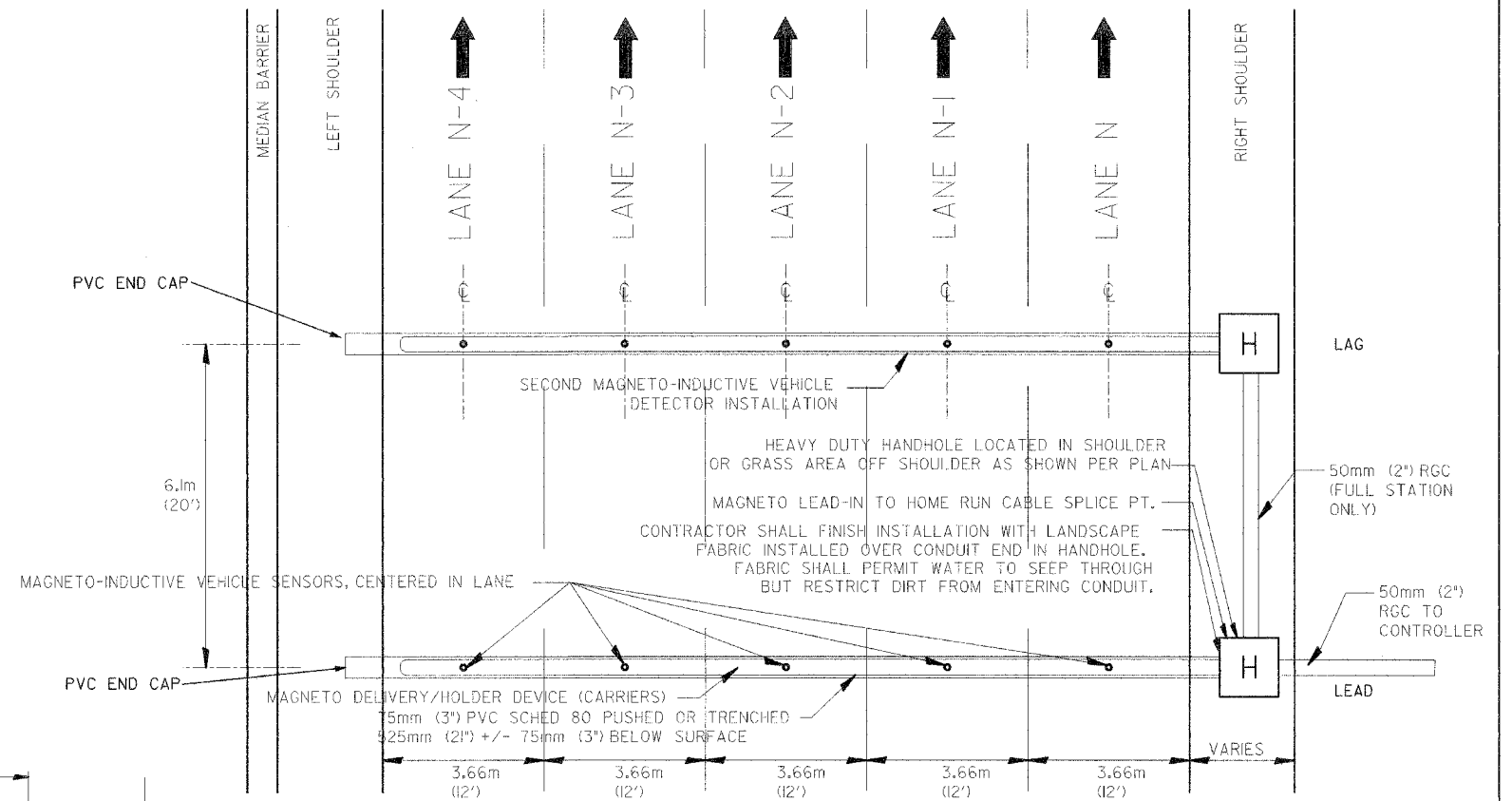
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	155F
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
* (0203.1 & 0304) R-6			CONTRACT #62105	



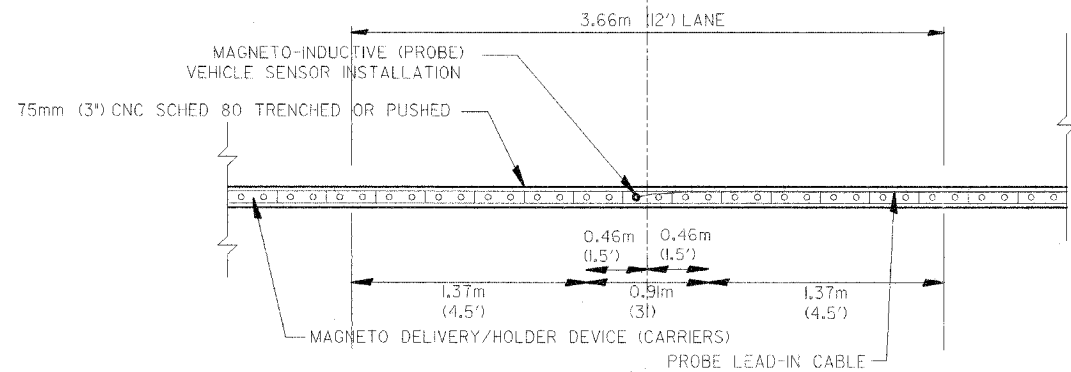
TYPICAL SINGLE MAGNETO-INDUCTIVE VEHICLE SENSOR SERIES SPLICING DETAIL

NOTES:

- PROBE SHALL BE POSITIONED IN THE CENTER OF EACH LANE. EXACT POSITIONING AND CONFIGURATION TO BE DETERMINED BY MANUFACTURER'S FIELD REPRESENTATIVE.
- SUFFICIENT NUMBER OF CARRIERS TO BE INSTALLED TO COVER THE DISTANCE FROM THE HANDHOLE TO THE FARTHEST PROBE. FIRST CARRIER INSERTED SHALL BE END CAP CARRIER.
- ANY DEVIATION IN CONDUIT ALIGNMENT SHALL BE LESS THAN 20mm PER METER.
- CONDUIT END CAP TO BE PRESS FITTED (NO ADHESIVE), 5mm (3/16"), DRAINAGE HOLE TO BE DRILLED IN END CAP. HOLE TO BE POSITIONED AT BOTTOM.
- CONDUIT TO EXTEND APPROXIMATELY 75mm (3") INTO HANDHOLE.
- LEAD PROBES SHALL USE ODD CHANNELS AND HAVE B/W WIRES; LAG PROBES SHALL USE EVEN CHANNELS AND HAVE R/G WIRES. CHANNELS SHALL BE USED IN INCREASING ORDER BEGINNING WITH LANE 1 OF NEAR LANES AND ENDING WITH OUTER-MOST LANE OF FAR LANES.



KINGERY-BORMAN TYPICAL MULTILANE LANE CROSS SECTION WITH NON-INVASIVE MAGNETO-INDUCTIVE VEHICLE SENSORS FULL STATION



KINGERY-BORMAN TYPICAL MAINLINE/MULTILANE EXIT/MULTILANE ENTR. 3.66m (12') WITH SINGLE MAGNETO-INDUCTIVE VEHICLE SENSOR (PROBE) INSTALLATION PER LANE

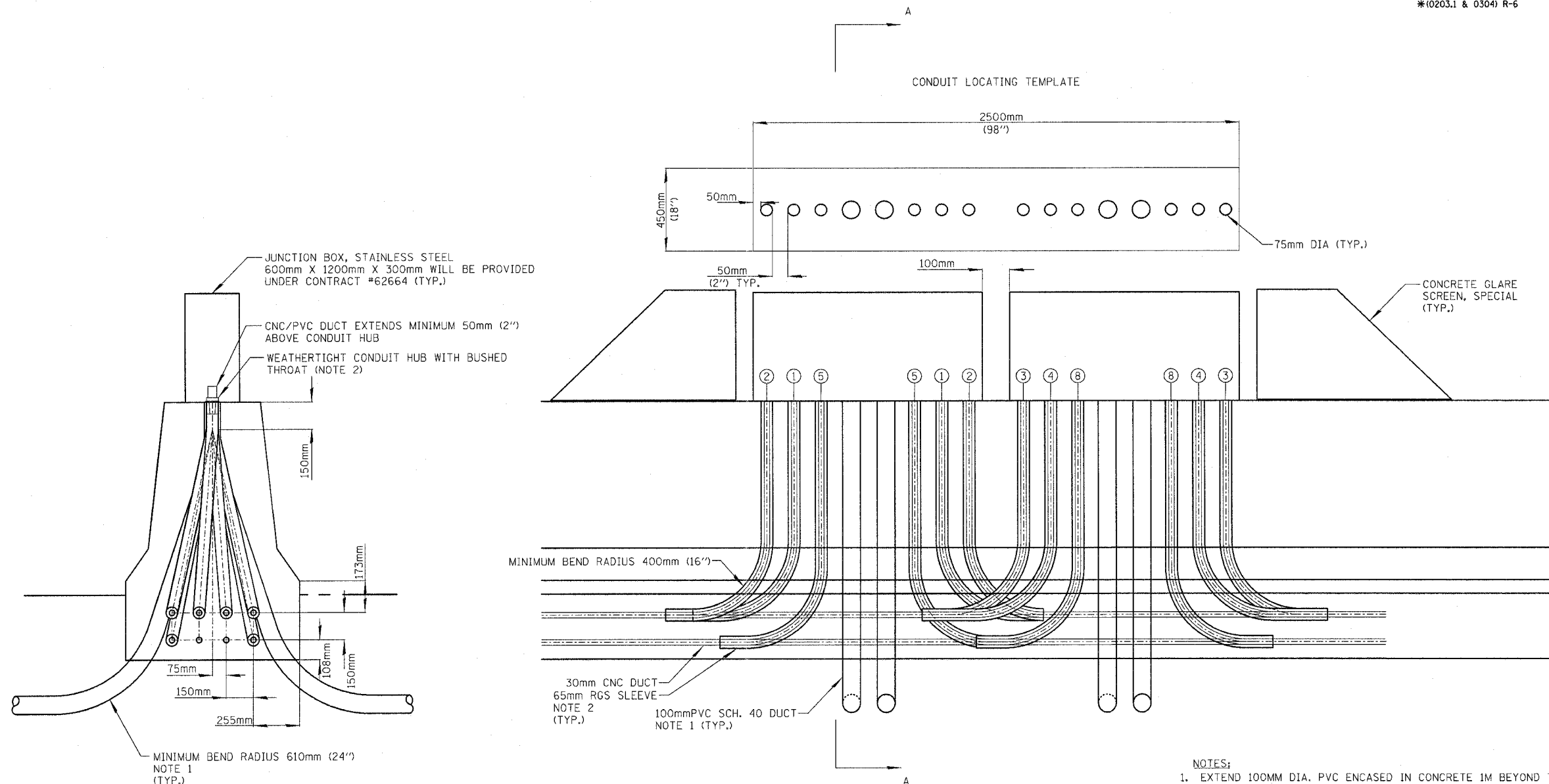
FROM ELECTRICAL CONTRACT 62664 - FOR INFORMATION ONLY



REVISIONS	
NAME	DATE

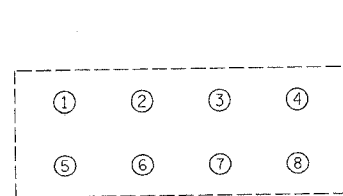
MD22-10 (CONTRACT 62664)
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
 KINGERY-BORMAN EXPRESSWAY
 TYPICAL SINGLE MAGNETO-INDUCTIVE VEHICLE SENSOR (FULL INSTALLATION/SPEED TRAP)
 SCALE N.T.S. DRAWN BY JRH/MAP
 DATE 08-22-05 CHECKED BY DEM/CMW

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	156
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		

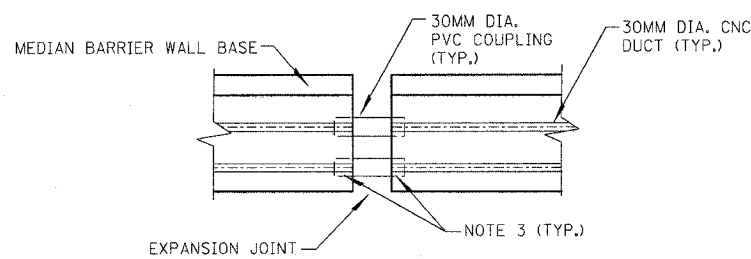


SECTION A-A

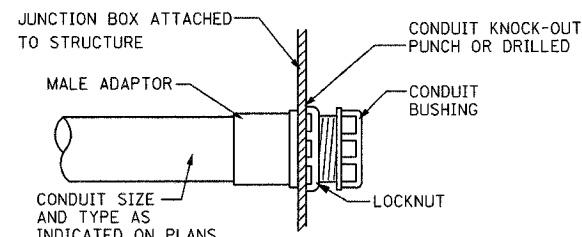
ELEVATION VIEW
LOOKING NORTH OR EAST



DUCT IDENTIFICATION



TYPICAL EXPANSION JOINT COUPLING DETAIL
NOT TO SCALE



CONDUIT BOX ENTRY DETAIL
NOT TO SCALE

- NOTES:
1. EXTEND 100MM DIA. PVC ENCASED IN CONCRETE 1M BEYOND THE MEDIAN BARRIER WALL AND EITHER TRANSITION TO REINFORCED CONCRETE DUCT BANK OR CONNECT TO EXISTING REINFORCED CONCRETE DUCT BANK INSTALLED UNDER A SEPARATE CONTRACT. PAYMENT FOR THE CONCRETE ENCASEMENT SHALL BE INCLUDED IN "CONDUIT EMBEDDED IN STRUCTURE, 100MM DIA. PVC". NO SEPARATE PAYMENT WILL BE MADE.
 2. THE COST OF 65MM RGS CONDUIT INCLUDING INDICATED ELBOWS, METALLIC TO NON-METALLIC COUPLINGS AND FITTING SHALL BE INCLUDED IN THE COST OF "CONDUIT EMBEDDED IN STRUCTURE, 65MM DIA., GALVANIZED STEEL". NO SEPARATE PAYMENT WILL BE MADE.
 3. NON-METALLIC COMPRESSION TYPE CONDUIT COUPLING, 2 PER DUCT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF RELATED CONDUIT EMBEDDED IN STRUCTURE PAY ITEM.

ED16-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

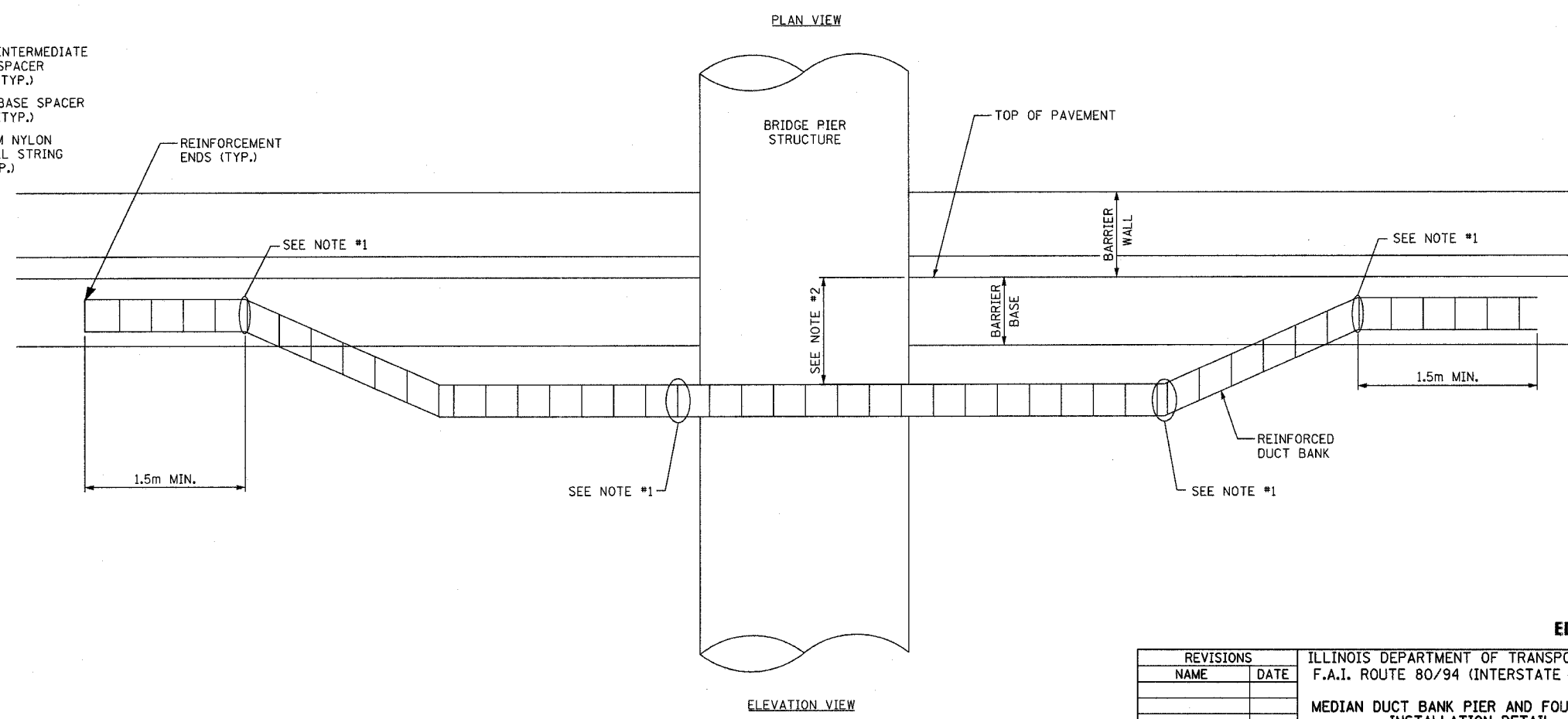
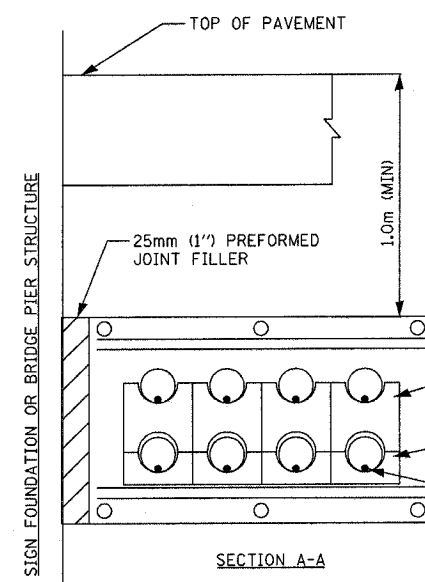
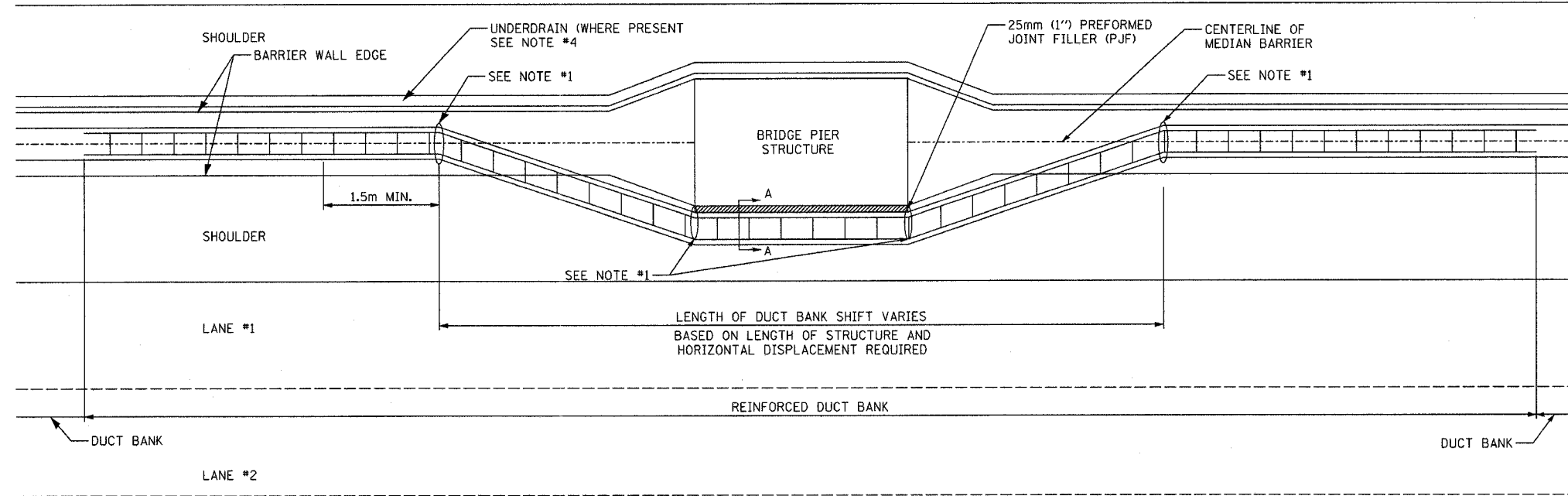
**BARRIER WALL CONDUIT
INSTALLATION AT JUNCTION**

SCALE: No scale
DATE: JULY 18, 2005

DRAWN BY: MB
CHECKED BY: KMY

McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	157
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		



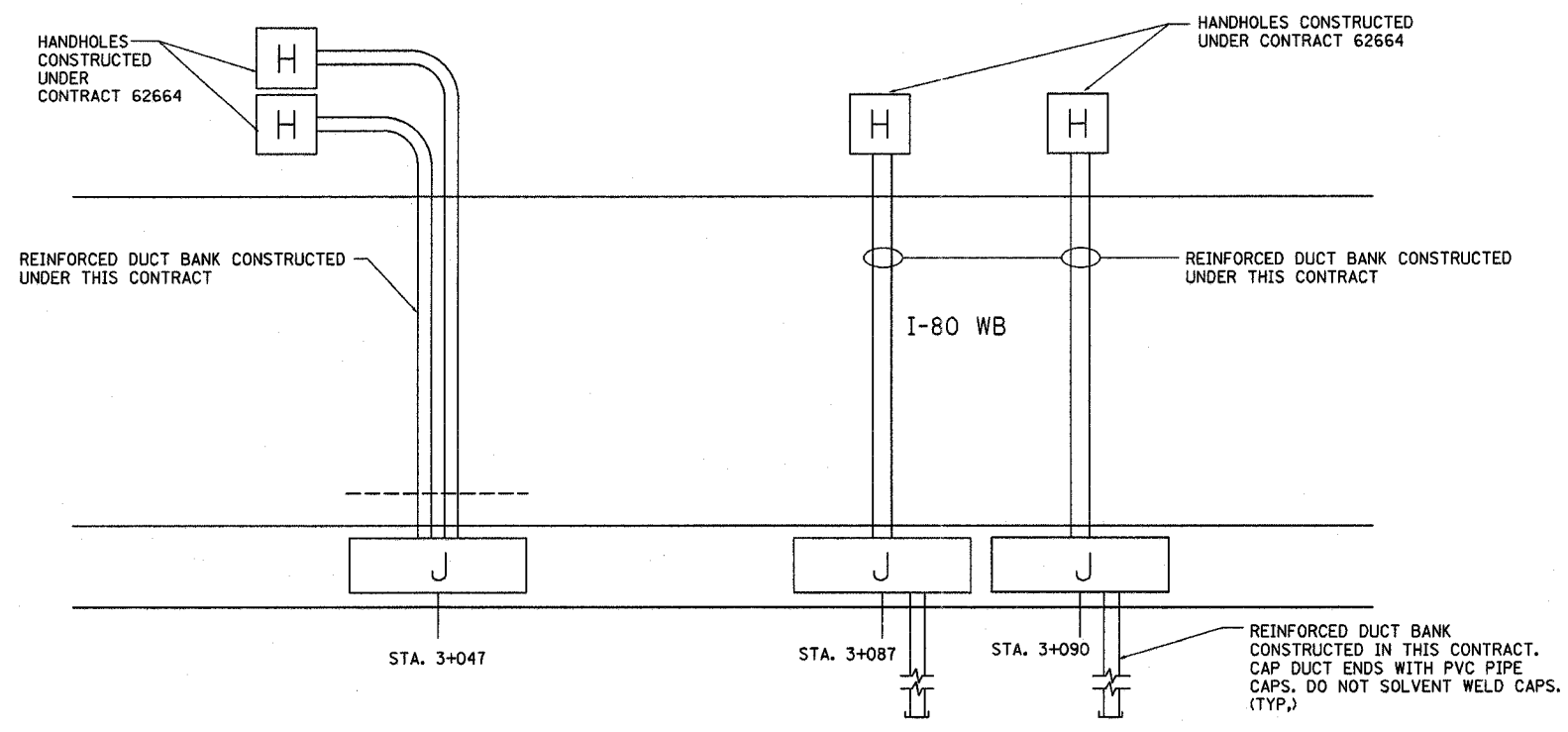
- NOTES:**
1. BEND IN DUCT SHALL BE NO GREATER THAN 11.25 DEGREES.
 2. DUCT UNDER STRUCTURE MUST BE NO LESS THAN 1.0m BELOW GRADE.
 3. DETAIL IS TYPICAL. REFER TO PLAN DRAWINGS FOR APPLICABLE LOCATIONS AND STRUCTURE DIMENSIONS.
 4. COORDINATE DUCT BANK LOCATION WITH DRAINAGE STRUCTURES.

ED16-2

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294) MEDIAN DUCT BANK PIER AND FOUNDATION INSTALLATION DETAIL
NAME	DATE	
		SCALE: No scale DATE: JULY 18, 2005
		DRAWN BY: MB CHECKED BY: KMY

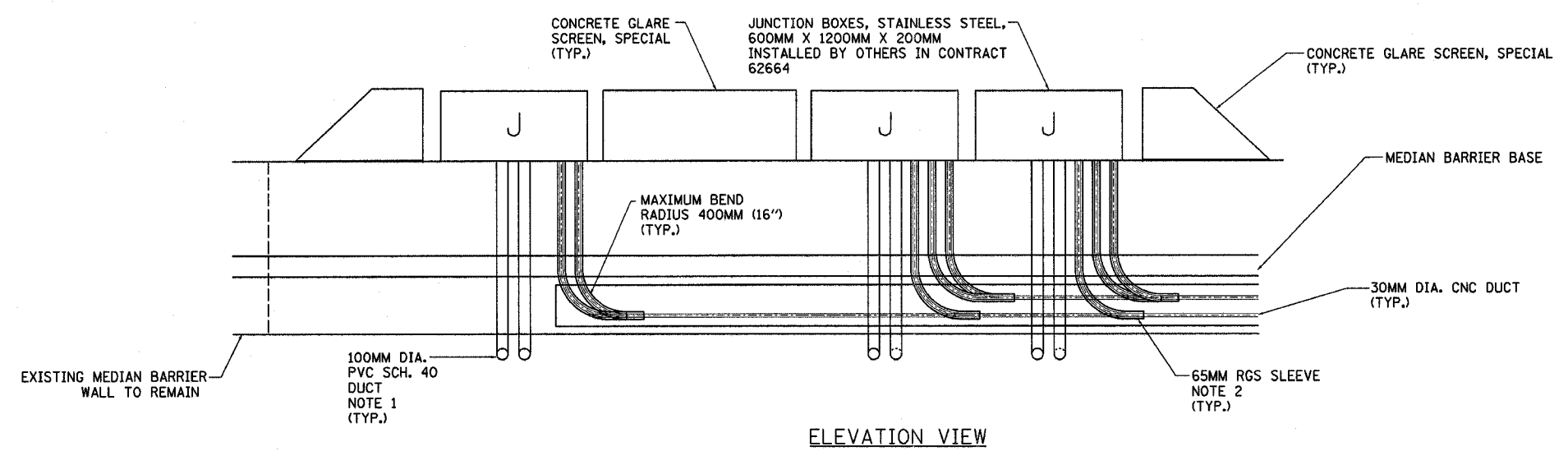
McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	158
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
*(0203.1 & 0304) R-6			CONTRACT # 62105	



PARTIAL PLAN VIEW

- NOTES:**
1. EXTEND 100MM DIA. PVC ENCASED IN CONCRETE 1M BEYOND THE MEDIAN BARRIER WALL AND EITHER TRANSITION TO REINFORCED CONCRETE DUCT BANK OR CONNECT TO EXISTING REINFORCED CONCRETE DUCT BANK. THE COST OF CONCRETE ENCASEMENT SHALL BE INCLUDED IN THE COST OF "CONDUIT EMBEDDED IN STRUCTURE, 100MM DIA. PVC". NO SEPARATE PAYMENT WILL BE MADE.
 2. THE COST OF 65MM RGS CONDUIT INCLUDING INDICATED ELBOWS, METALLIC TO NON-METALLIC COUPLINGS AND FITTING SHALL BE INCLUDED IN THE COST OF "CONDUIT EMBEDDED IN STRUCTURE, 65MM DIA., GALVANIZED STEEL. NO SEPARATE PAYMENT WILL BE MADE.

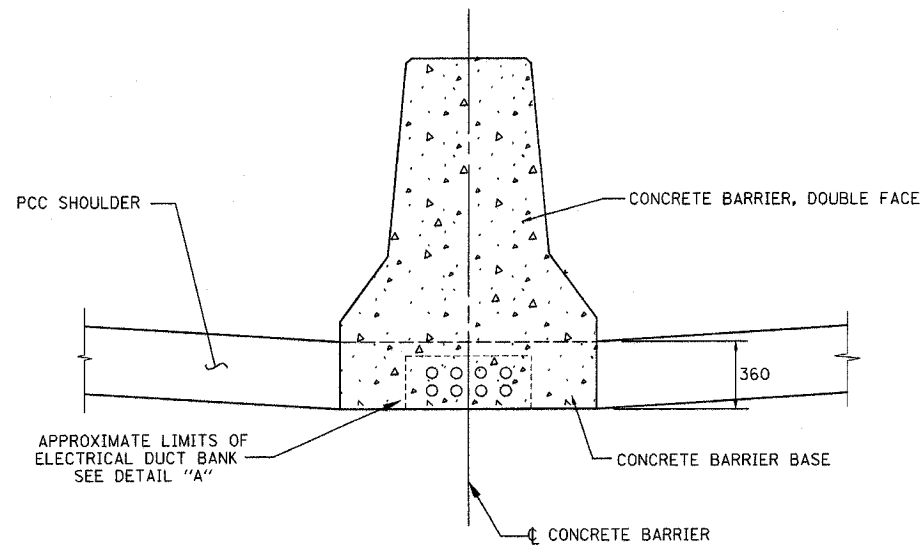


ELEVATION VIEW

ED16-3

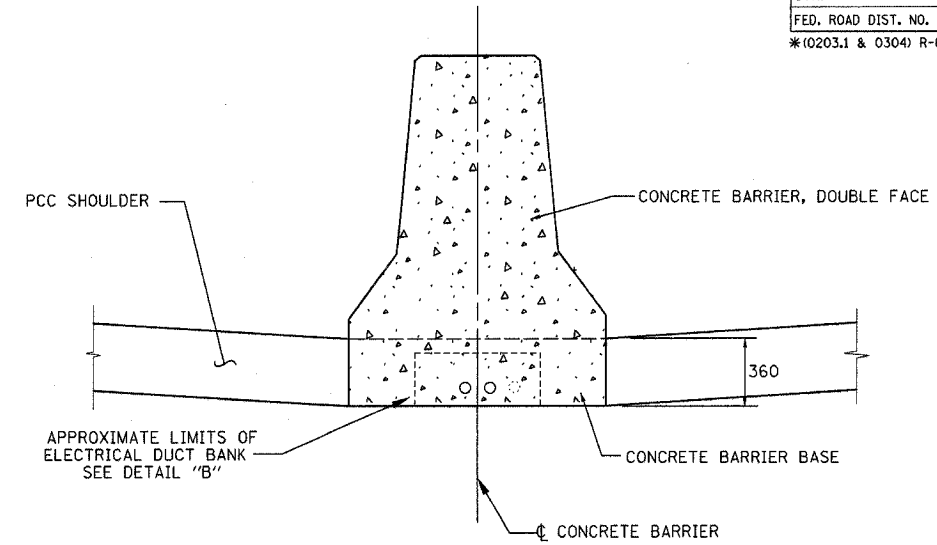
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		DETAILS FOR FIBER OPTIC DUCT BANK TERMINATIONS - WEST I-80 DRAWN BY: MB CHECKED BY: KMY DATE: JULY 18, 2005 McDonough Associates Inc. Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	159
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*10203.1 & 0304) R-6		CONTRACT # 62105		



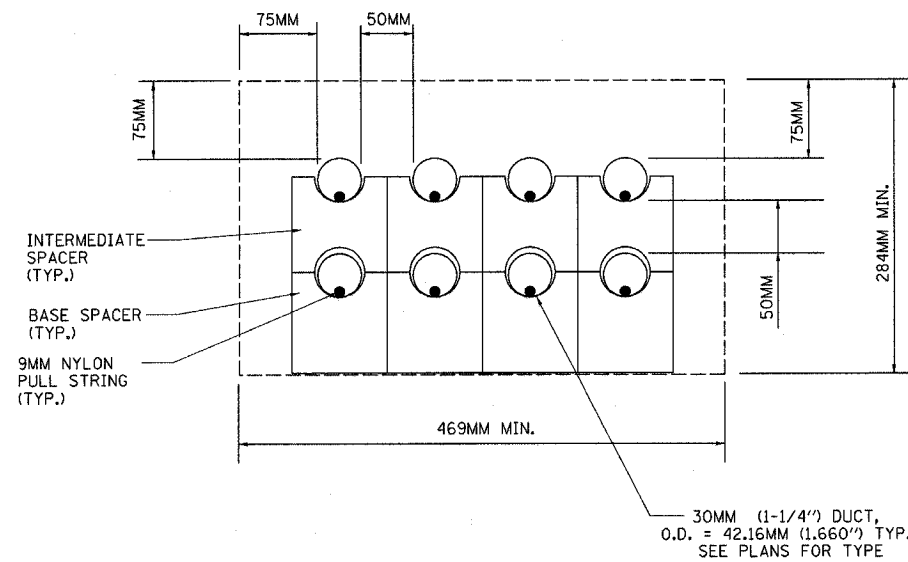
CONCRETE BARRIER, DOUBLE FACE

SHOWING 8 DUCT BANK



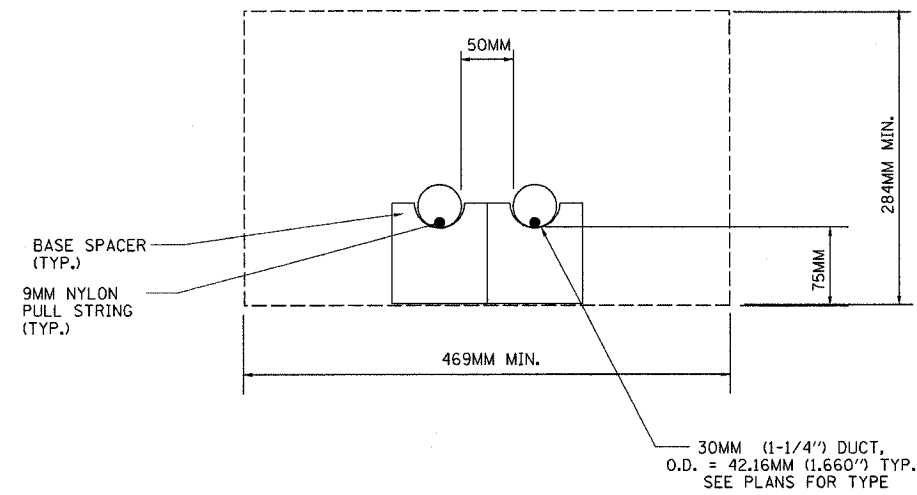
CONCRETE BARRIER, DOUBLE FACE

SHOWING 2 DUCT BANK



DETAIL "A"

SHOWING 8 CONDUITS EMBEDDED IN STRUCTURE



DETAIL "B"

SHOWING 2 CONDUITS EMBEDDED IN STRUCTURE

NOTES:

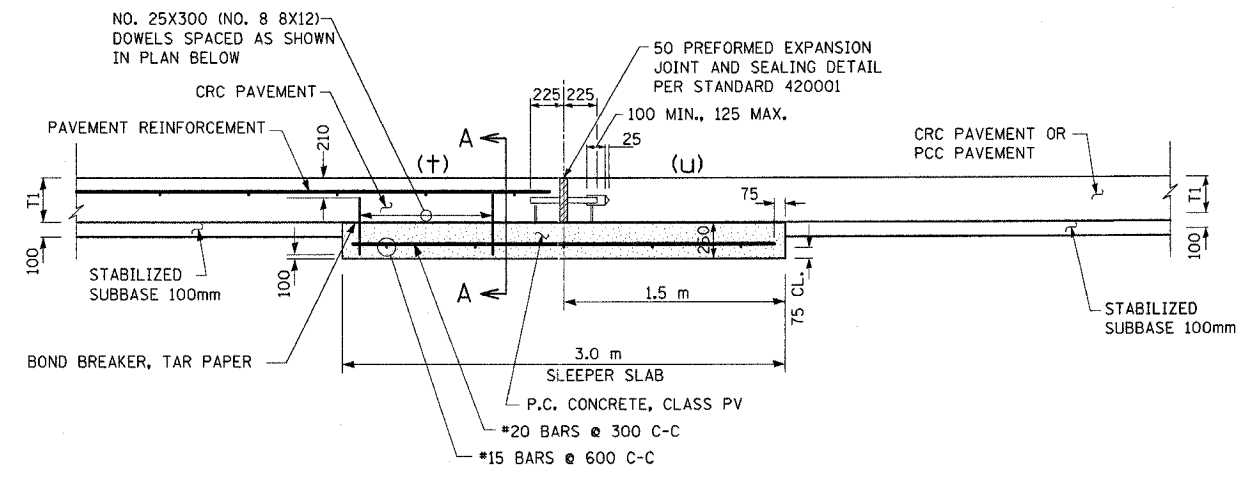
- 1) SEE "CONCRETE BARRIER DETAILS" FOR ADDITIONAL DETAILS OF THE CONCRETE BARRIER AND CONCRETE BARRIER BASE.
- 2) SEE PLANS FOR TYPES OF CONDUIT ENCASED IN CONCRETE.

ED16-4

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		DETAILS FOR CONDUITS EMBEDDED IN CONCRETE BARRIER BASE DRAWN BY: MB CHECKED BY: KMY DATE: <u>July 08, 2005</u>

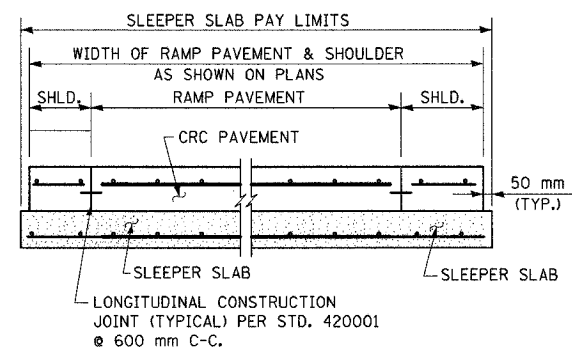
McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	160
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*10203.1 & 0304 R-6		CONTRACT # 62105		

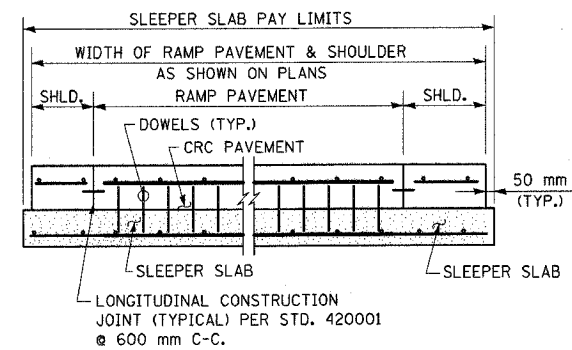


SLEEPER SLAB DETAIL

FOR INFORMATION ONLY



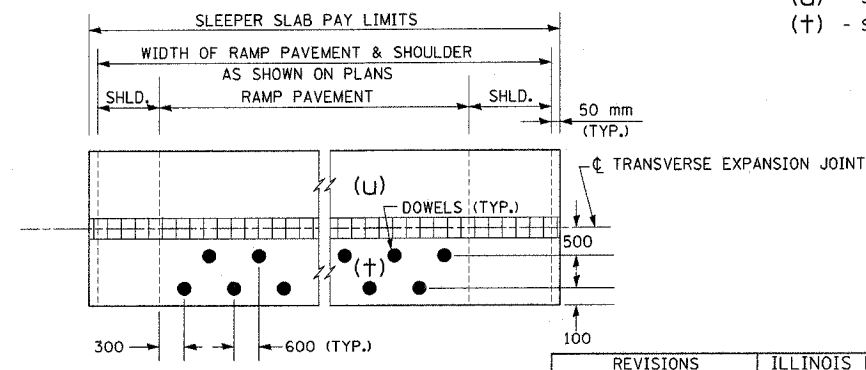
SECTION A-A
NOT TIED TO SLEEPER SLAB
(CRC TO PCC PAVEMENT ONLY)



SECTION A-A
TIED TO SLEEPER SLAB
(CRC TO CRC PAVEMENT ONLY)

LEGEND
(U) - SIDE OF JOINT TIED TO SLEEPER
(+) - SIDE OF JOINT NOT TIED TO SLEEPER

- NOTES:**
1. THE SLEEPER SLAB SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METER FOR "SLEEPER SLAB" WHICH PRICE SHALL INCLUDE FURNISHING AND PLACING PC CONCRETE, REINFORCEMENT, BOND BREAKER, DOWEL BARS, AND EXPANSION JOINT AS SHOWN.
 2. ALL REINFORCEMENT SHALL BE IN ACCORDANCE WITH APPLICABLE PORTIONS OF SECTION 508 OF THE STANDARD SPECIFICATIONS.
 3. DOWEL BARS SHALL BE EPOXY COATED OR PLASTIC COATED AND SHALL BE IN ACCORDANCE WITH APPLICABLE PORTIONS OF SECTION 420 OF THE STANDARD SPECIFICATIONS.
 4. CONCRETE PADS AT BRIDGE APPROACH PAVEMENT AND PC CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT SHALL NOT BE PAID UNDER THE ITEM "SLEEPER SLAB" IN ACCORDANCE WITH ART. 420.23.
 5. CONCRETE PADS AT TRANSVERSE TERMINAL JOINTS SHALL NOT BE PAID UNDER THE ITEM "SLEEPER SLAB".



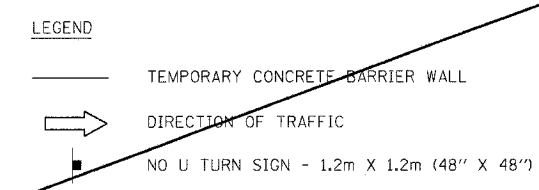
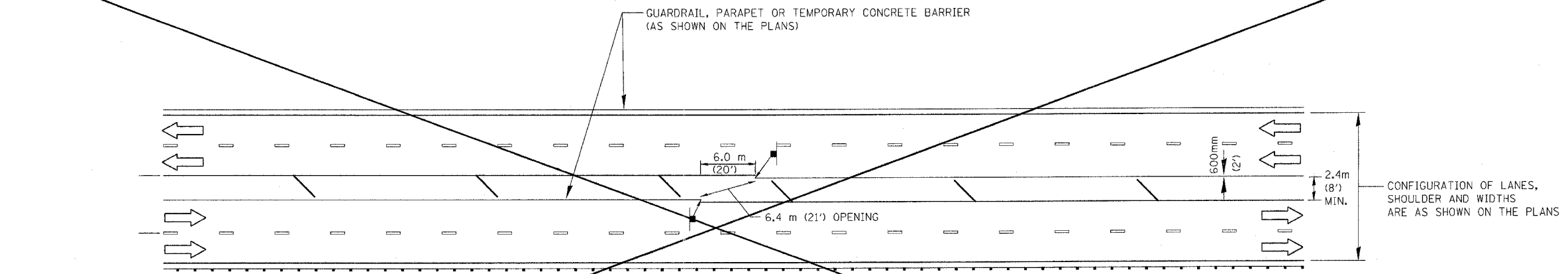
PLAN

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SHOWN.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294) SLEEPER SLAB DETAIL AND MISCELLANEOUS JOINT DETAILS (FOR INFORMATION ONLY) DRAWN BY: CTT CHECKED BY: RCH DATE: JULY 18, 2005
NAME	DATE	

MD-1
McDonough Associates Inc.
Engineers / Architects

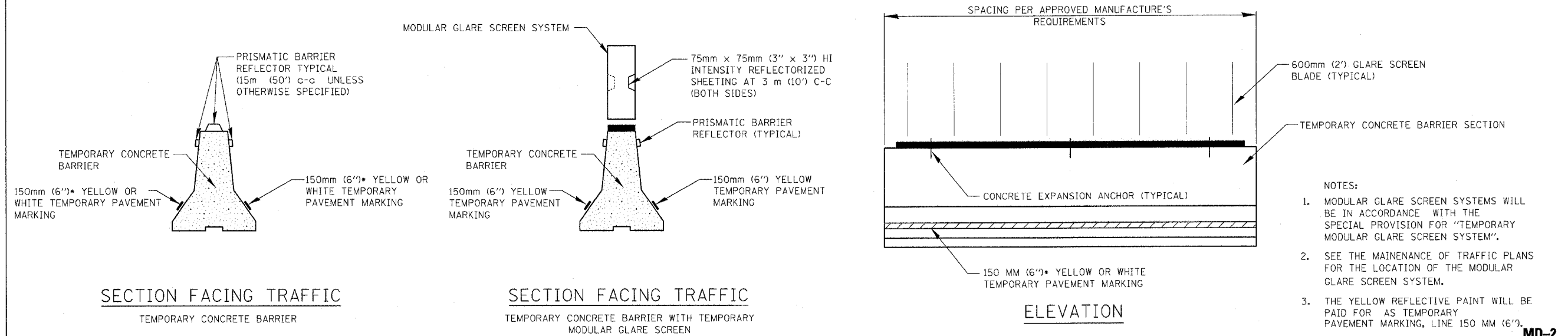
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	161
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		



TYPICAL EMERGENCY TURNAROUND

SEE MAINTENANCE OF TRAFFIC PLANS FOR LOCATION(S)

NOTE: GUARDRAIL, PARAPET OR TEMPORARY BARRIER WALL TO BE USED ON OUTSIDE EDGE OF TRAFFIC AS REQUIRED.



SECTION FACING TRAFFIC

TEMPORARY CONCRETE BARRIER

SECTION FACING TRAFFIC

TEMPORARY CONCRETE BARRIER WITH TEMPORARY MODULAR GLARE SCREEN

ELEVATION

- NOTES:
- MODULAR GLARE SCREEN SYSTEMS WILL BE IN ACCORDANCE WITH THE SPECIAL PROVISION FOR "TEMPORARY MODULAR GLARE SCREEN SYSTEM".
 - SEE THE MAINTENANCE OF TRAFFIC PLANS FOR THE LOCATION OF THE MODULAR GLARE SCREEN SYSTEM.
 - THE YELLOW REFLECTIVE PAINT WILL BE PAID FOR AS TEMPORARY PAVEMENT MARKING, LINE 150 MM (6").

* YELLOW IS FOR LEFT EDGE OF TRAVEL LANE. WHITE IS FOR RIGHT EDGE OF TRAVEL LANE.
(REFLECTORS AND MARKINGS ARE REQUIRED ONLY ON TRAFFIC SIDE)

TEMPORARY CONCRETE BARRIER DETAILS

REVISIONS	
NAME	DATE
ACE	01/04
ACE	02/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)

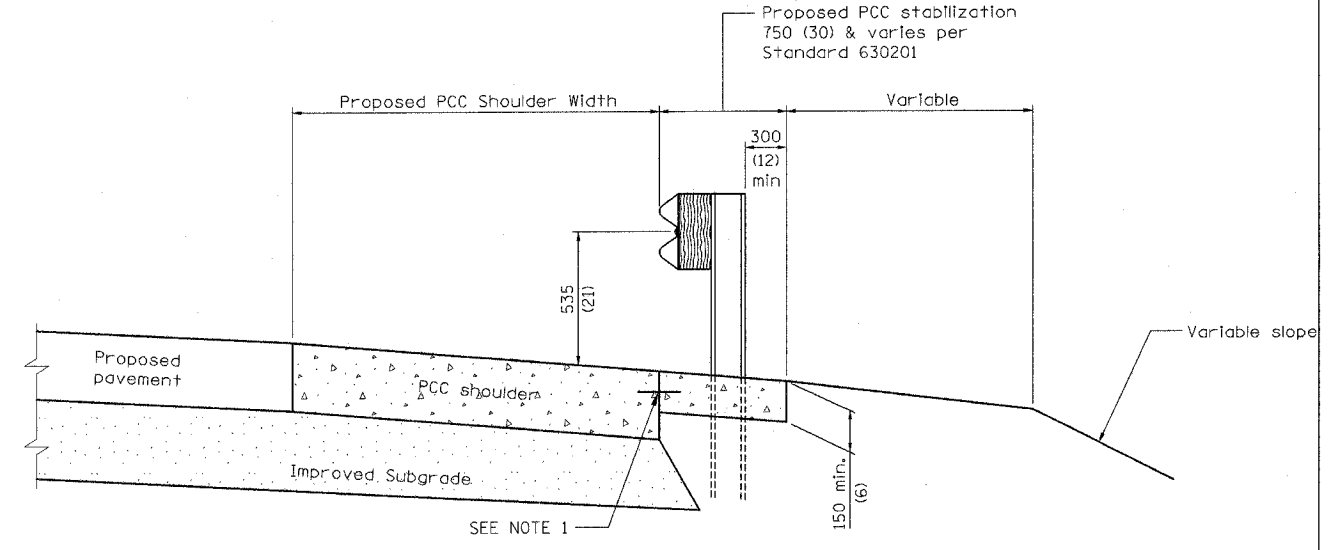
EMERGENCY TURNAROUND AND TEMPORARY CONCRETE BARRIER DETAILS

SCALE NONE
DATE 01/04

DRAWN BY ACE/CAD
CHECKED BY

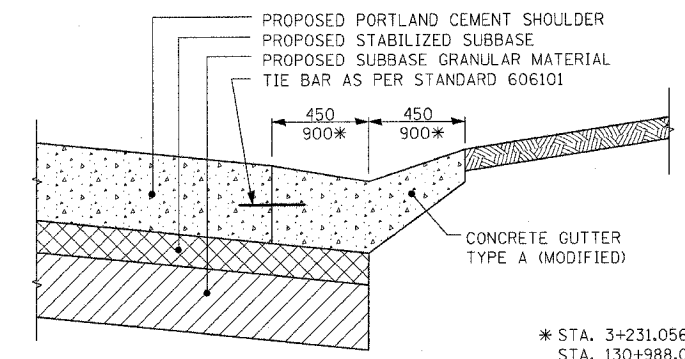
MD-2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	162
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			
*(0203.1 & 0304) R-6			CONTRACT # 62105	



NOTES:

1. LONGITUDINAL CONSTRUCTION JOINT WITH NO. 15 (NO. 5) EPOXY COATED TIE BARS AT 600 (24 INCHES) CTS.
2. "TIE BARS SHALL BE PAID FOR AS PART OF PORTLAND CEMENT CONCRETE SHOULDERS - 150 MM (6 INCHES)."
3. SEE STANDARD 420001 AND THE DETAIL FOR PCC SHOULDER FOR DETAILS NOT SHOWN.



* STA. 3+231.056 TO STA. 3+240.904
STA. 130+988.070 TO 131+002.129

CONCRETE GUTTER, TYPE A (MODIFIED)
SEE STD. 606101 FOR DETAILS NOT SHOWN

MD-3

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294) PCC STABILIZATION AT STEEL PLATE BEAM GUARDRAIL CONCRETE GUTTER, TYPE A (MODIFIED)
NAME	DATE	

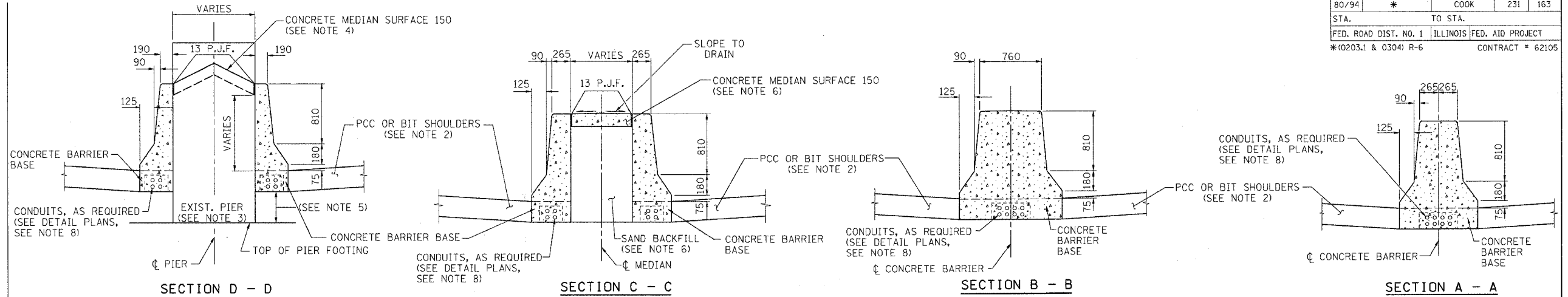
DATE: JULY 18, 2005

DRAWN BY: CTT
CHECKED BY: RCH

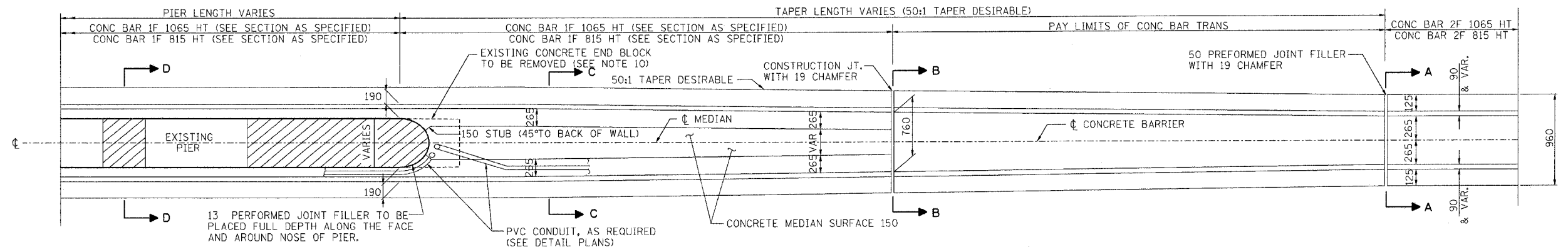
McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	163
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		

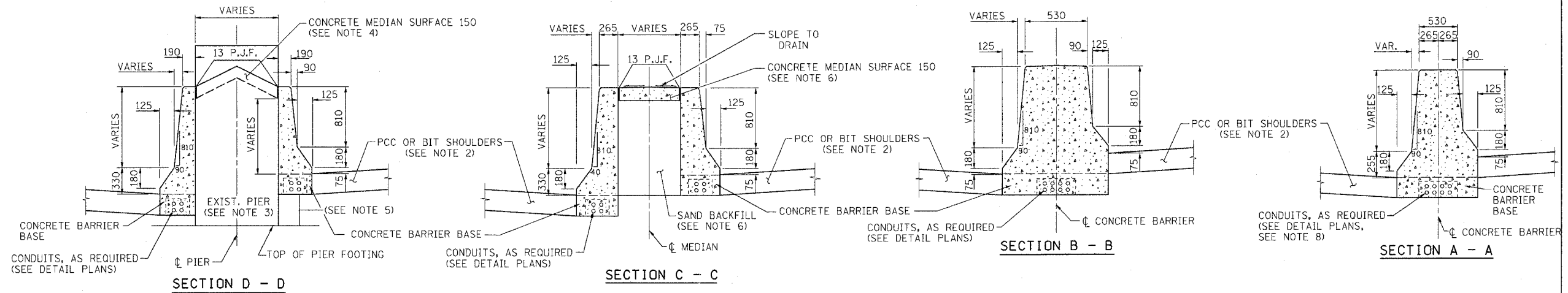
TANGENT CONDITION



PLAN VIEW OF CONCRETE BARRIER TRANSITION



(SUPER ELEVATION CONDITION)



NOTES:

- FOR ADDITIONAL CONCRETE BARRIER DETAILS, INCLUDING TIE BAR PLACEMENT, SEE THE TYPICAL SECTION SHEETS AND CONCRETE BARRIER DETAILS, OF THE HEIGHT SPECIFIED.
- FOR ADDITIONAL SHOULDER DETAILS SEE TYPICAL SECTIONS, PIPE UNDERDRAIN & SHOULDER DETAILS SHEETS AND STANDARDS 601001, 482006, 483001 & 482001.
- IF THE PIER IS NEW CONSTRUCTION, THE CONCRETE BARRIER MAY BE POURED MONOLITHICALLY.
- PIER FILLER MATERIAL SHALL BE CONCRETE IF A MINIMUM 150 THICKNESS CAN BE MAINTAINED. IF THE 150 THICKNESS CANNOT BE MAINTAINED, USE ASPHALT FILLER MATERIAL AS DIRECTED BY THE ENGINEER.

- EXTEND THE BOTTOM OF THE CONCRETE BARRIER TO THE PIER FOOTING WHEN THE DEPTH IS LESS THAN 150.
- SAND BACKFILL AND CONCRETE MEDIAN SURFACE 150 WILL BE REQUIRED. FILLING WITH CONCRETE WILL NOT BE ALLOWED. THIS WORK SHALL BE PAID FOR SEPARATELY.
- TAPERS INTO AND AWAY FROM SIGN FOUNDATIONS SHALL BE THE SAME AS SHOWN ABOVE.
- INSTALL DUCT BETWEEN THE SIGN FOUNDATION AND THE NEAREST LIGHT POLE FOUNDATION WHERE SHOWN ON THE PLANS. THIS WORK SHALL BE PAID FOR SEPARATELY.
- PREFORMED JOINT FILLER OF THE SIZE SPECIFIED SHALL BE INCIDENTAL TO THE CONCRETE BARRIER OF THE TYPE INVOLVED.

- THE REMOVAL OF THE EXISTING CONCRETE END BLOCKS IF APPLICABLE SHALL BE INCLUDED IN THE COST OF THE CONCRETE BARRIER OF THE TYPE INVOLVED.
- THE CONDUIT LOCATIONS SHOWN ARE TYPICAL, ADDITIONAL CONDUITS MAY BE REQUIRED. FOR THE SIZE, LOCATION AND DETAILS, SEE THE ELECTRICAL AND/OR SURVEILLANCE PLANS. THE FURNISHING AND PLACING OF CONDUITS OF THE SIZE SPECIFIED SHALL BE PAID FOR SEPARATELY.

REVISIONS	
NAME	DATE
MOV	01/30/04
MRN	3/29/04
MRN	8/04/05
NLP	8/04/05

MD-4

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)

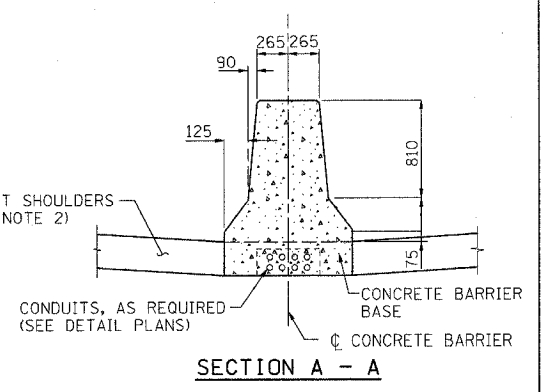
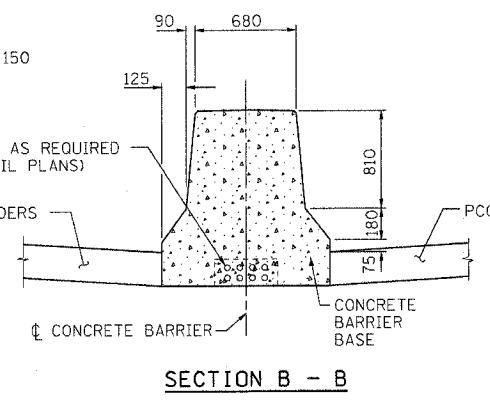
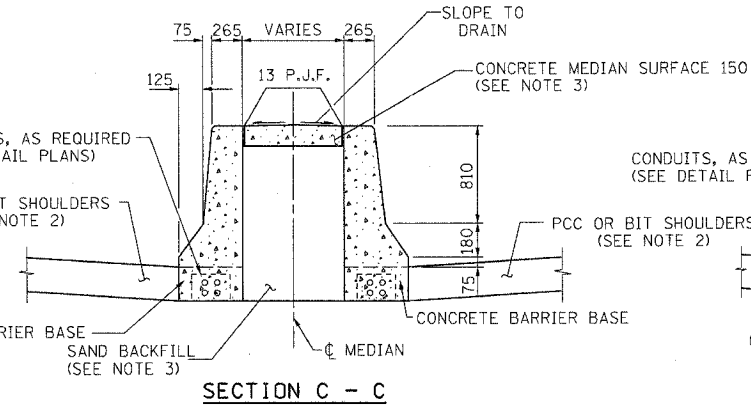
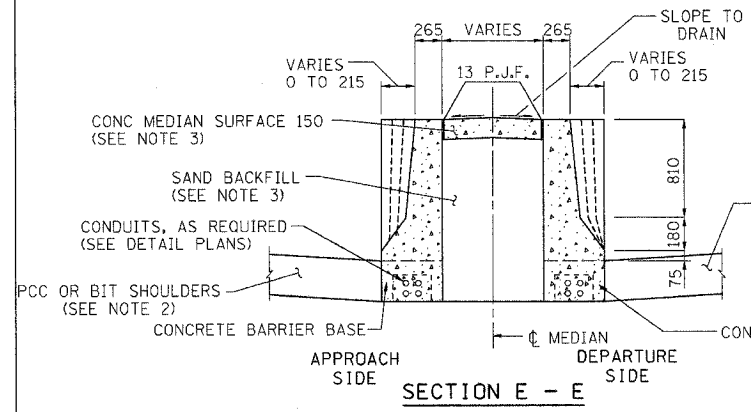
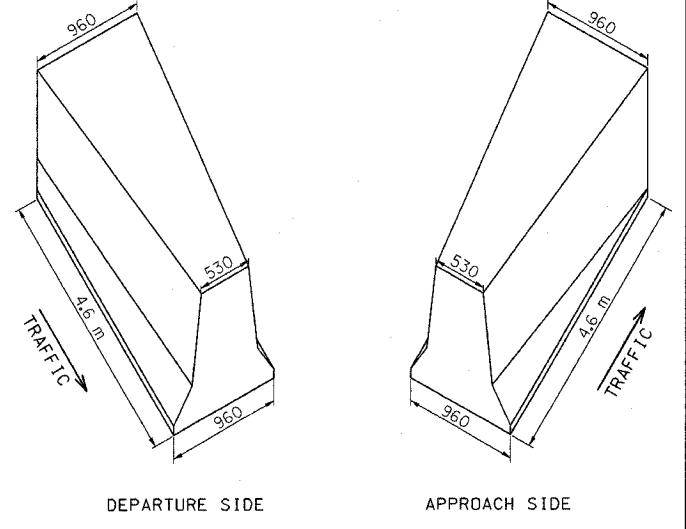
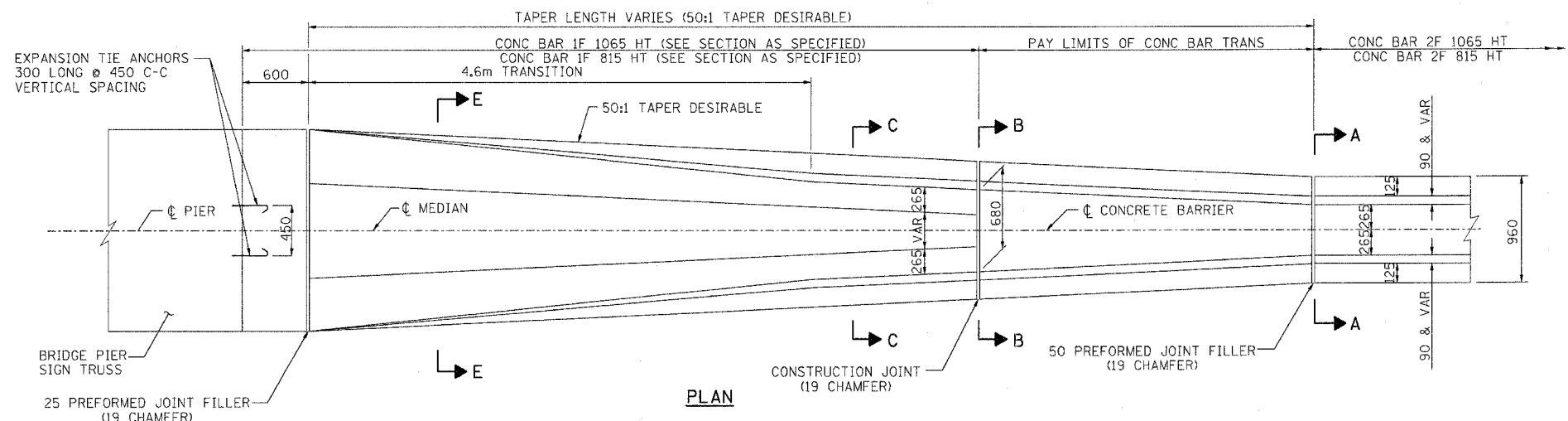
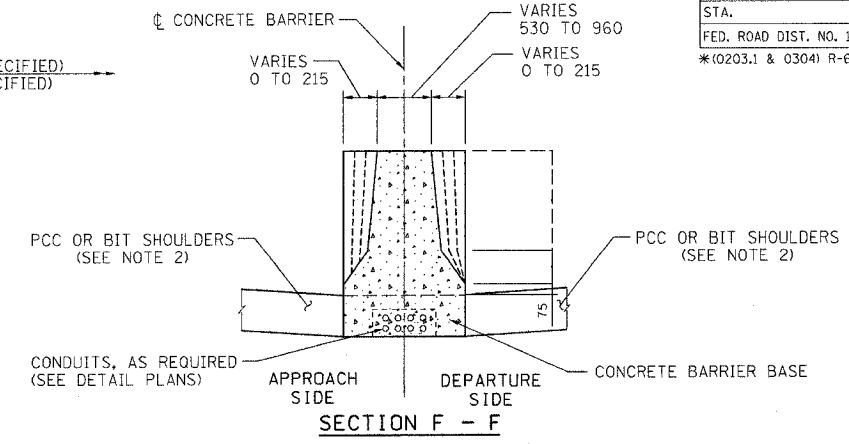
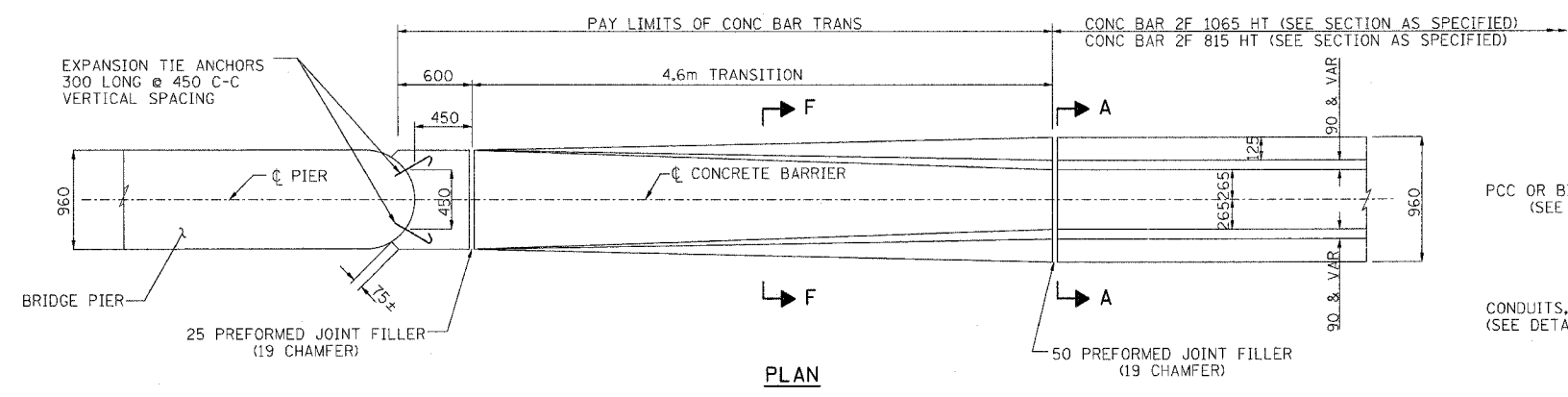
**CONCRETE BARRIER
DETAILS
SHEET 1 OF 2**

SCALE NONE
DATE 10/03

DRAWN BY ACE/CAD
CHECKED BY

AMERICAN
CONSULTING ENGINEERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	164
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
*(0203.1 & 0304) R-6			CONTRACT # 62105	



NOTES:

- 1) FOR ADDITIONAL CONCRETE BARRIER DETAILS, INCLUDING TIE BAR PLACEMENT, SEE THE TYPICAL SECTION SHEETS AND CONCRETE BARRIER DETAILS, OF THE HEIGHT SPECIFIED.
- 2) FOR ADDITIONAL SHOULDER DETAILS SEE TYPICAL SECTIONS, PIPE UNDERDRAIN & SHOULDER DETAILS SHEET AND STANDARDS 601001,482006,483001 & 482001.
- 3) SAND BACKFILL AND CONCRETE MEDIAN SURFACE 150 WILL BE REQUIRED. FILLING WITH CONCRETE WILL NOT BE ALLOWED. THIS WORK SHALL BE PAID FOR SEPARATELY.

4) FURNISHING AND INSTALLING THE PREFORMED JOINT FILLER OF THE SIZE SPECIFIED SHALL BE INCLUDED IN THE COST OF THE CONCRETE BARRIER OF THE TYPE INVOLVED.

5) FURNISHING AND INSTALLING THE 19 EXPANSION TIE ANCHORS SHALL BE INCLUDED IN THE COST OF THE CONCRETE BARRIER OF THE TYPE INVOLVED.

6) THE REMOVAL OF THE EXISTING CONCRETE END BLOCKS IF APPLICABLE SHALL BE INCLUDED IN THE COST OF THE CONCRETE BARRIER OF THE TYPE INVOLVED.

REVISIONS	
NAME	DATE
MDV	01/30/04
MRN	3/29/04
MRN	8/04/05
NLP	8/04/05

MD-5

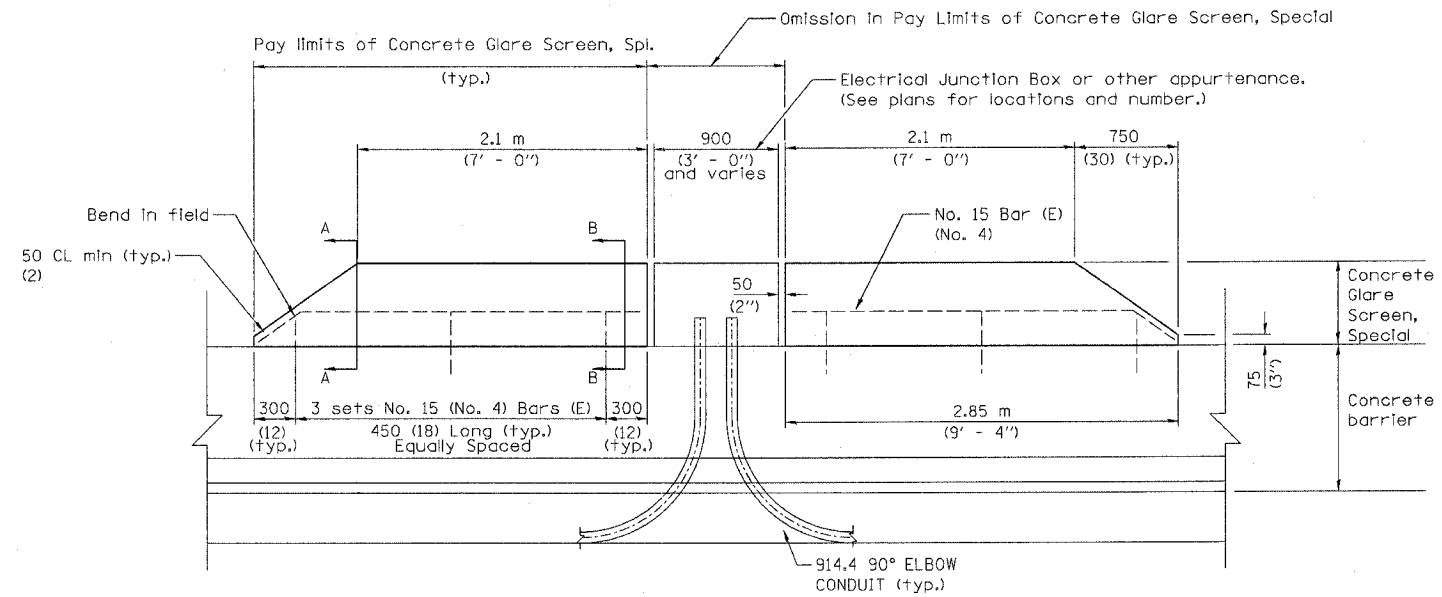
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)

**CONCRETE BARRIER
DETAILS
SHEET 2 OF 2**

SCALE NONE DRAWN BY ACE/CAD
DATE 10/03 CHECKED BY

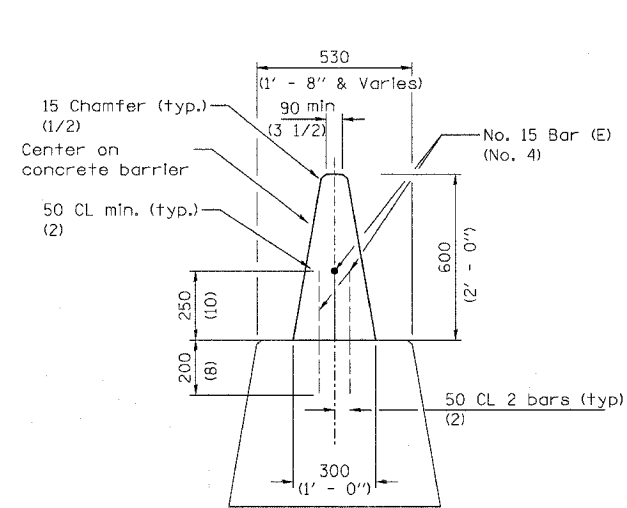
AMERICAN
CONSULTING ENGINEERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	165
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		

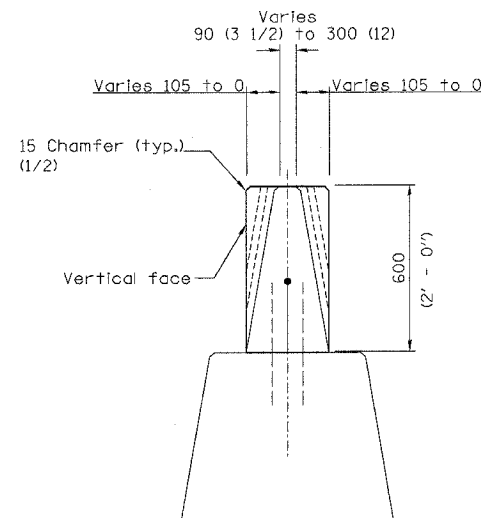


ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

ELEVATION



SECTION A-A



SECTION B-B

(This section with vertical face shall be used in tangent sections between junction boxes and or other appurtenances.)

All dimensions are in millimeters (Inches) unless otherwise shown.

MD-6

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41
**CONCRETE GLARE SCREEN,
SPECIAL**

REVISIONS	
NAME	DATE

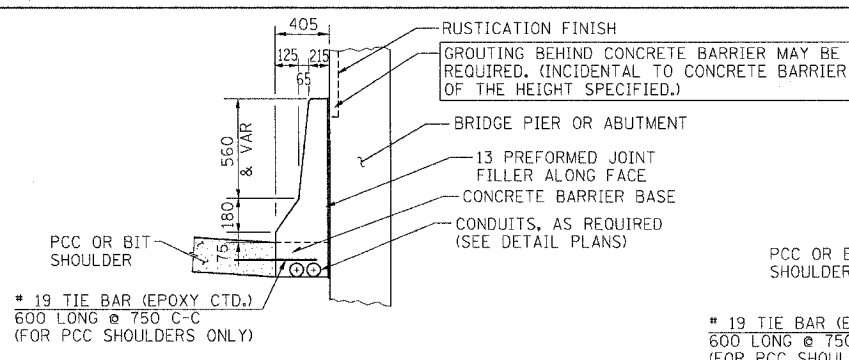
SCALE NONE
DATE 06/05

DRAWN BY ACE/CAD
CHECKED BY

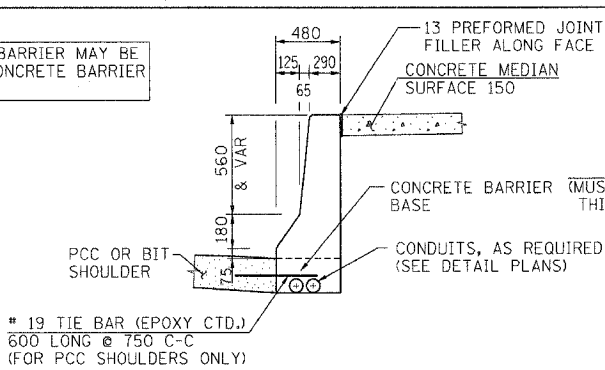


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	166
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		

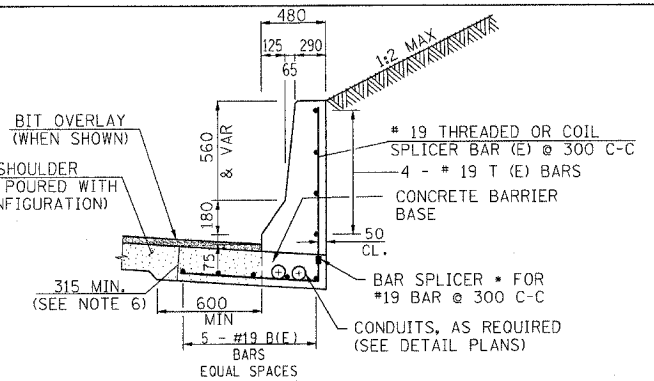
THE BAR SPLICER SHALL BE CAPABLE OF DEVELOPING A MINIMUM OF 125% OF THE YIELD STRENGTH OF A #19 BAR



SECTION O
CONC BAR 1F 815 HT
CONCRETE BARRIER, SINGLE FACE,
845 HEIGHT



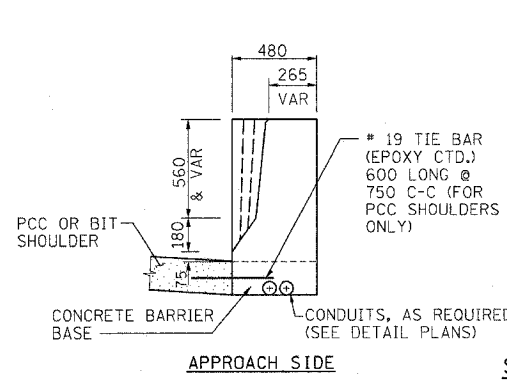
SECTION P
CONC BAR 1F 815 HT
CONCRETE BARRIER, SINGLE FACE,
815 HEIGHT



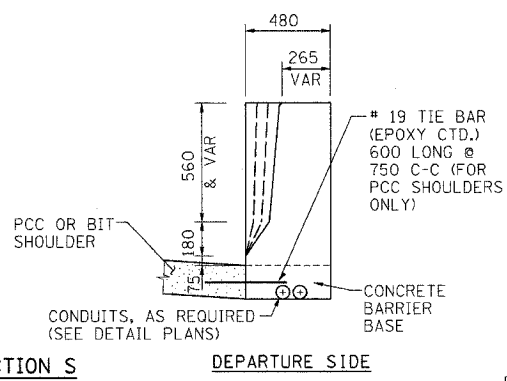
SECTION R
CONC BAR 1F 815 HT REINF
CONCRETE BARRIER, SINGLE FACE,
815 HEIGHT, REINFORCED
CUT SECTION

REINFORCING BARS 6.1 m SECTION				
BAR	NO.	SIZE	LENGTH	SHAPE
B(E)	5	#19	6.00 m	—
T(E)	4	#19	6.00 m	—
REINFORCING BARS (EPOXY COATED)			Kg	121
BAR SPLICER			EACH	21

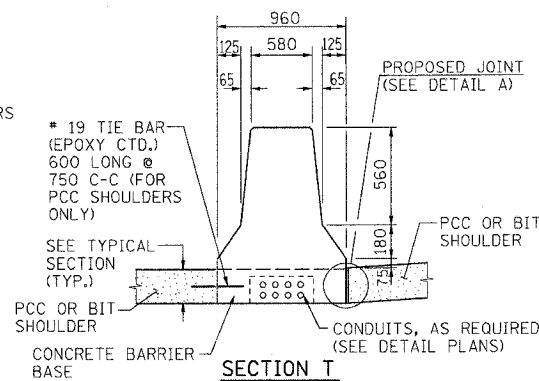
LONGITUDINAL BARS SHOULD NOT EXTEND THROUGH JOINTS.



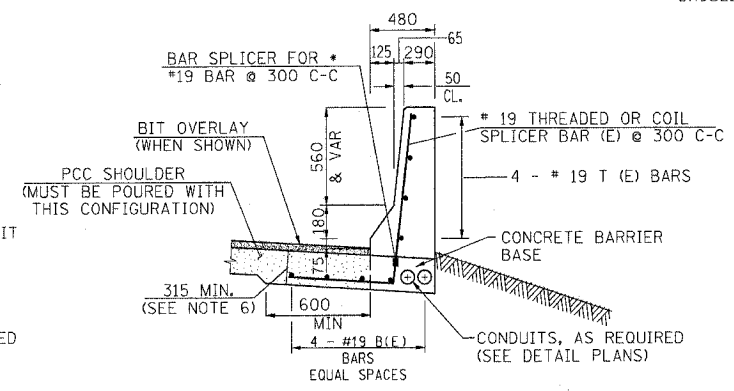
APPROACH SIDE



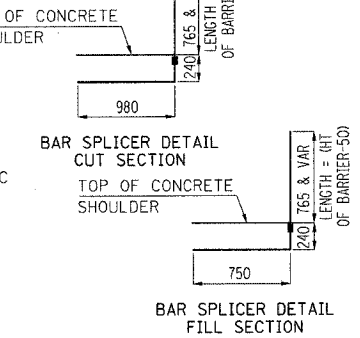
DEPARTURE SIDE



SECTION T
CONC BAR 2F 815 HT
CONCRETE BARRIER, DOUBLE FACE,
815 HEIGHT

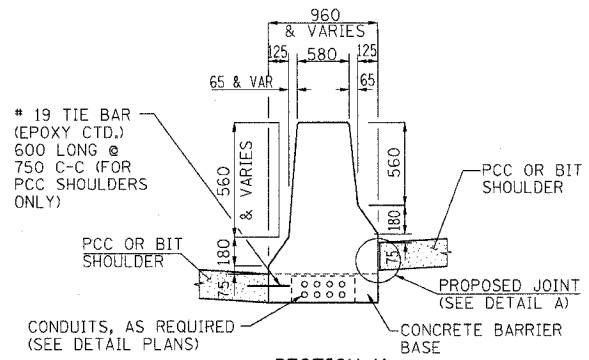


SECTION U
CONC BAR 1F 815 HT REINF
CONCRETE BARRIER, SINGLE FACE,
815 HEIGHT, REINFORCED
FILL SECTION

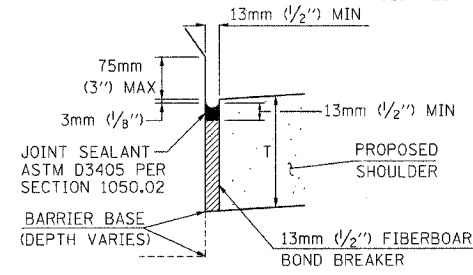


FILL SECTION REINFORCING BARS 6.1 m SECTION				
BAR	NO.	SIZE	LENGTH	SHAPE
B(E)	4	#19	6.00 m	—
T(E)	4	#19	6.00 m	—
REINFORCING BARS (EPOXY COATED)			Kg	108
BAR SPLICER			EACH	21

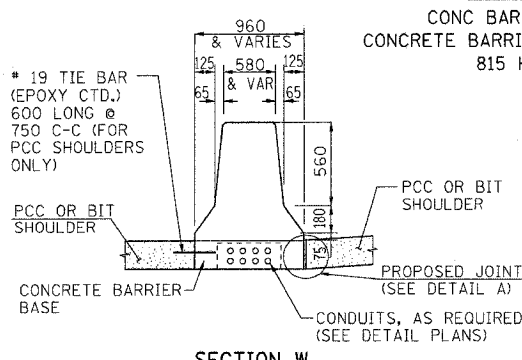
LONGITUDINAL BARS SHOULD NOT EXTEND THROUGH JOINTS.



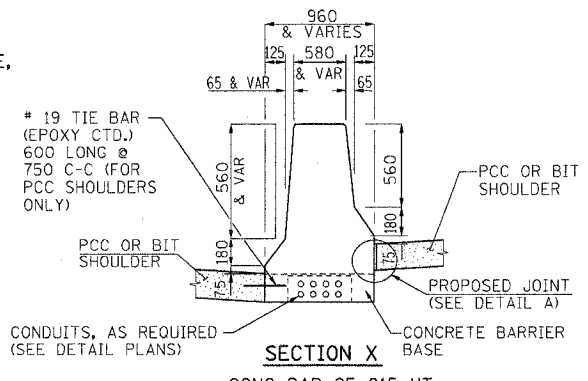
SECTION V
CONC BAR 2F 815 HT
CONCRETE BARRIER, DOUBLE FACE,
815 HEIGHT



DETAIL A



SECTION W
CONC BAR 2F 815 HT
CONCRETE BARRIER, DOUBLE FACE,
815 HEIGHT



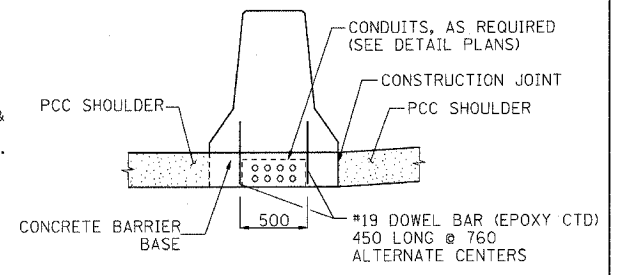
SECTION X
CONC BAR 2F 815 HT
CONCRETE BARRIER, DOUBLE FACE,
815 HEIGHT

LEGEND:

PAY LIMITS OF BITUMINOUS OR PCC SHOULDERS.

NOTES:

- FOR ADDITIONAL CONCRETE BARRIER DETAILS SEE STANDARDS 637001 & 637006.
- FOR ADDITIONAL SHOULDER DETAILS SEE TYPICAL SECTIONS, PIPE UNDERDRAIN & SUBGRADE DETAILS FOR OPEN AND CLOSED DRAINAGE SYSTEMS, P.C.C SHOULDER DETAILS AND/OR STANDARDS 601001, 482006, 483001 & 482001 AS APPLICABLE.
- A 25 RADIUS CAN BE SUBSTITUTED FOR THE 13 CHAMFER AT THE TOP OF THE BARRIER WALL.
- FOR BITUMINOUS SHOULDERS -- DEPTH "T" EQUALS 450 MINIMUM.
- FOR PCC SHOULDERS -- DEPTH "T" SHALL BE 255 MINIMUM OR THE SHOULDER DEPTH IF GREATER.
- THE THICKENED PCC SHOULDER FOR THE REINFORCED CONCRETE BARRIER SECTION SHALL BE INCLUDED IN THE COST OF THE CONCRETE BARRIER OF THE TYPE INVOLVED.
- ALL REINFORCING BARS, BAR SPLICERS, TIE BARS AND DOWEL BARS SHALL BE SEATED IN THE FINAL POSITION PRIOR TO THE CONCRETE OPERATIONS. BARS CANNOT BE MUCKED INTO PLACE.
- THE FURNISHING AND PLACING OF TIE BARS AND DOWEL BARS SHALL BE INCLUDED IN THE COST OF PCC SHOULDER OF THE THICKNESS SPECIFIED.
- THE FURNISHING AND PLACING OF BAR SPLICERS, TIE BARS AND DOWEL BARS SHALL BE INCLUDED IN THE COST OF THE PCC SHOULDER OF THE THICKNESS SPECIFIED.
- THE CONDUIT LOCATIONS SHOWN ARE TYPICAL. ADDITIONAL CONDUITS MAY BE REQUIRED. FOR THE SIZE, LOCATION, AND DETAILS, SEE THE ELECTRICAL AND/OR SURVEILLANCE PLANS. THE FURNISHING AND PLACING OF CONDUITS OF THE SIZE SPECIFIED SHALL BE PAID FOR SEPARATELY.



OPTIONAL CONFIGURATION
DOUBLE FACE BARRIER ON PCC SHOULDER

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SHOWN. MD-7

REVISIONS	
NAME	DATE
MDV	8/25/04
MRN	4/20/05
NLP	8/04/05

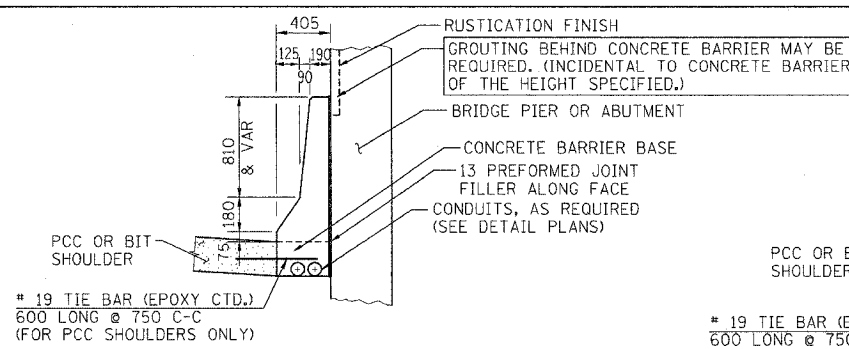
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)

**CONCRETE BARRIER DETAILS
815 MM WALL**

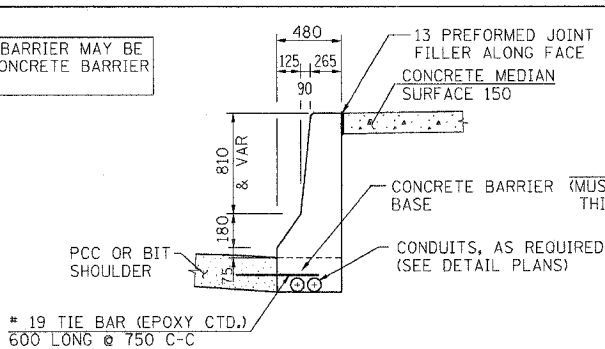
SCALE NONE DRAWN BY ACE/CAD
DATE 03/04 CHECKED BY



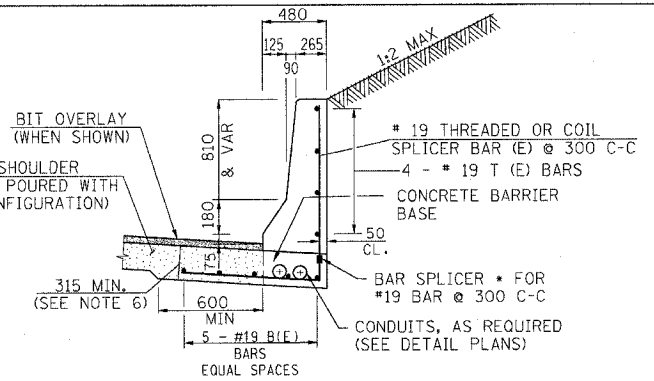
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	167
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* (0203.1 & 0304) R-6		CONTRACT # 62105		



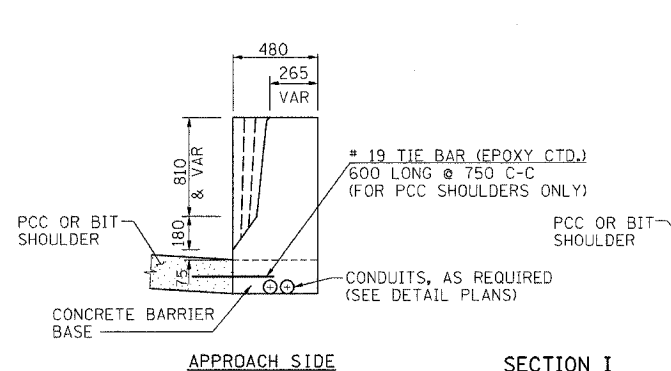
SECTION F
CONC BAR 1F 1065 HT
CONCRETE BARRIER, SINGLE FACE,
1065 HEIGHT



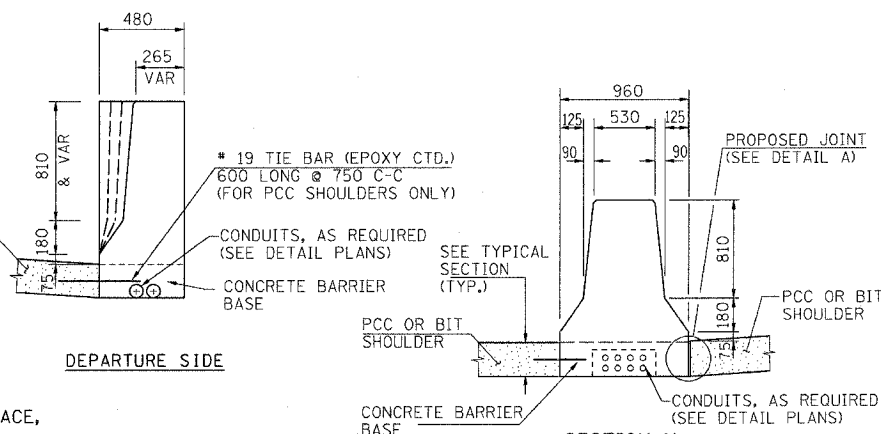
SECTION G
CONC BAR 1F 1065 HT
CONCRETE BARRIER, SINGLE FACE,
1065 HEIGHT



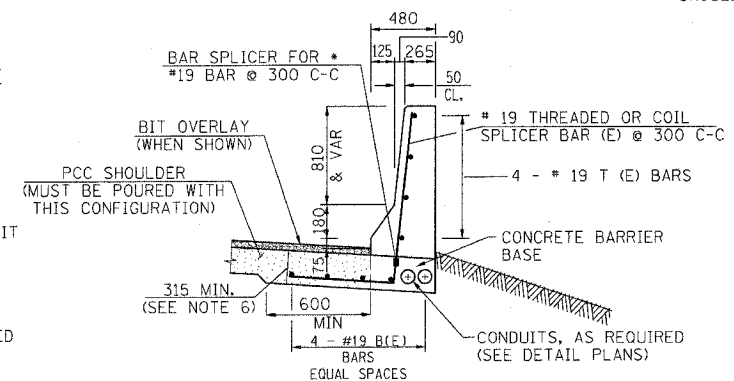
SECTION H
CONC BAR 1F 1065 HT REIN
CONCRETE BARRIER, SINGLE FACE,
1065 HEIGHT, REINFORCED
CUT SECTION



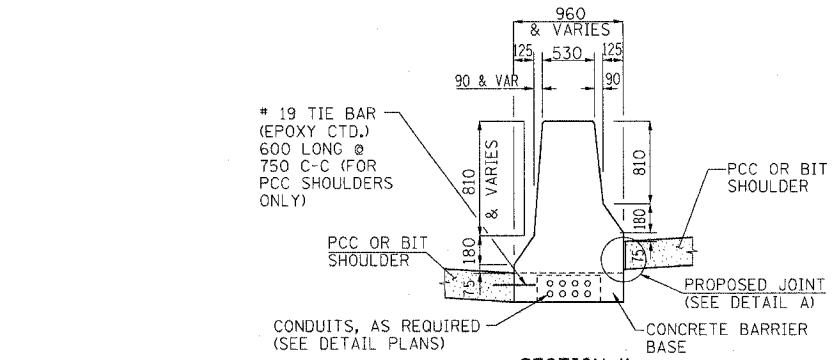
SECTION I
CONC BAR 1F 1065 HT
CONCRETE BARRIER, SINGLE FACE,
1065 HEIGHT



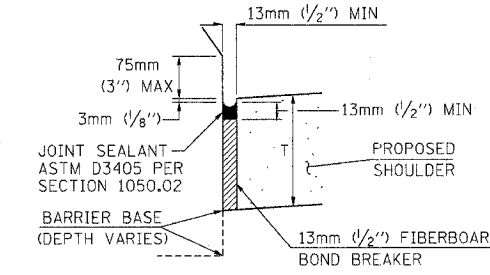
SECTION N
CONC BAR 2F 1065 HT
CONCRETE BARRIER, DOUBLE FACE,
1065 HEIGHT



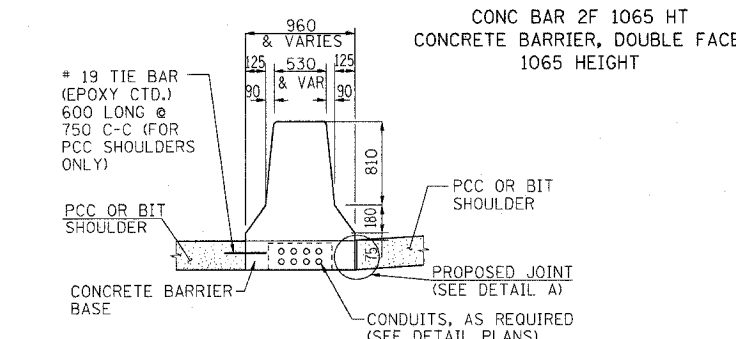
SECTION J
CONC BAR 1F 1065 HT REIN
CONCRETE BARRIER, SINGLE FACE,
1065 HEIGHT, REINFORCED
FILL SECTION



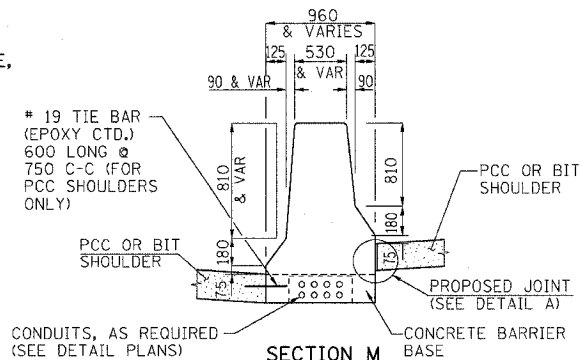
SECTION K
CONC BAR 2F 1065 HT
CONCRETE BARRIER, DOUBLE FACE,
1065 HEIGHT



DETAIL A



SECTION L
CONC BAR 2F 1065 HT
CONCRETE BARRIER, DOUBLE FACE,
1065 HEIGHT



SECTION M
CONC BAR 2F 1065 HT
CONCRETE BARRIER, DOUBLE FACE,
1065 HEIGHT

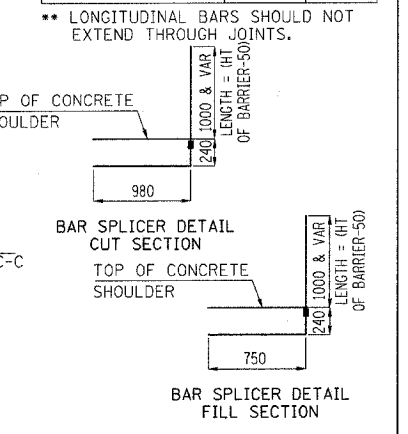
- LEGEND:**
PAY LIMITS OF BITUMINOUS OR PCC SHOULDERS.
- NOTES:**
- FOR ADDITIONAL CONCRETE BARRIER DETAILS SEE STANDARDS 637001 & 637006.
 - FOR ADDITIONAL SHOULDER DETAILS SEE TYPICAL SECTIONS, PIPE UNDERDRAIN & SUBGRADE DETAILS FOR OPEN AND CLOSED DRAINAGE SYSTEMS, P.C.C SHOULDER DETAILS AND/OR STANDARDS 601001, 482006, 483001 & 482001 AS APPLICABLE.
 - A 25 RADIUS CAN BE SUBSTITUTED FOR THE 13 CHAMFER AT THE TOP OF THE BARRIER WALL.
 - FOR BITUMINOUS SHOULDERS -- DEPTH "T" EQUALS 450 MINIMUM.
 - FOR PCC SHOULDERS -- DEPTH "T" SHALL BE 255 MINIMUM OR THE SHOULDER DEPTH IF GREATER.
 - THE THICKENED PCC SHOULDER FOR THE REINFORCED CONCRETE BARRIER SECTION SHALL BE INCLUDED IN THE COST OF THE CONCRETE BARRIER OF THE TYPE INVOLVED.
 - ALL REINFORCING BARS, BAR SPLICERS, TIE BARS AND DOWEL BARS SHALL BE SEATED IN THE FINAL POSITION PRIOR TO THE CONCRETE OPERATIONS. BARS CANNOT BE MUCKED INTO PLACE.
 - THE FURNISHING AND PLACING OF TIE BARS AND DOWEL BARS SHALL BE INCLUDED IN THE COST OF PCC SHOULDER OF THE THICKNESS SPECIFIED.
 - THE FURNISHING AND PLACING OF BAR SPLICERS, TIE BARS AND DOWEL BARS SHALL BE INCLUDED IN THE COST OF THE PCC SHOULDER OF THE THICKNESS SPECIFIED.
 - THE CONDUIT LOCATIONS SHOWN ARE TYPICAL. ADDITIONAL CONDUITS MAY BE REQUIRED. FOR THE SIZE, LOCATION, AND DETAILS, SEE THE ELECTRICAL AND/OR SURVEILLANCE PLANS. THE FURNISHING AND PLACING OF CONDUITS OF THE SIZE SPECIFIED SHALL BE PAID FOR SEPARATELY.

THE BAR SPLICER SHALL BE CAPABLE OF DEVELOPING A MINIMUM OF 125% OF THE YIELD STRENGTH OF A #19 BAR

CUT SECTION

REINFORCING BARS 6.1 m SECTION				
BAR	NO.	SIZE	LENGTH	SHAPE
B(E)	5	#19	6.00 m	—
T(E)	4	#19	6.00 m	—
REINFORCING BARS (EPOXY COATED)			Kg	121
BAR SPLICER			EACH	21

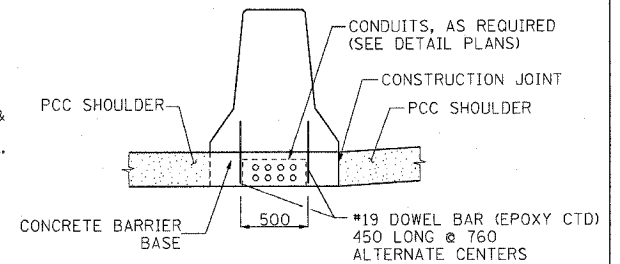
LONGITUDINAL BARS SHOULD NOT EXTEND THROUGH JOINTS.



FILL SECTION

REINFORCING BARS 6.1 m SECTION				
BAR	NO.	SIZE	LENGTH	SHAPE
B(E)	4	#19	6.00 m	—
T(E)	4	#19	6.00 m	—
REINFORCING BARS (EPOXY COATED)			Kg	108
BAR SPLICER			EACH	21

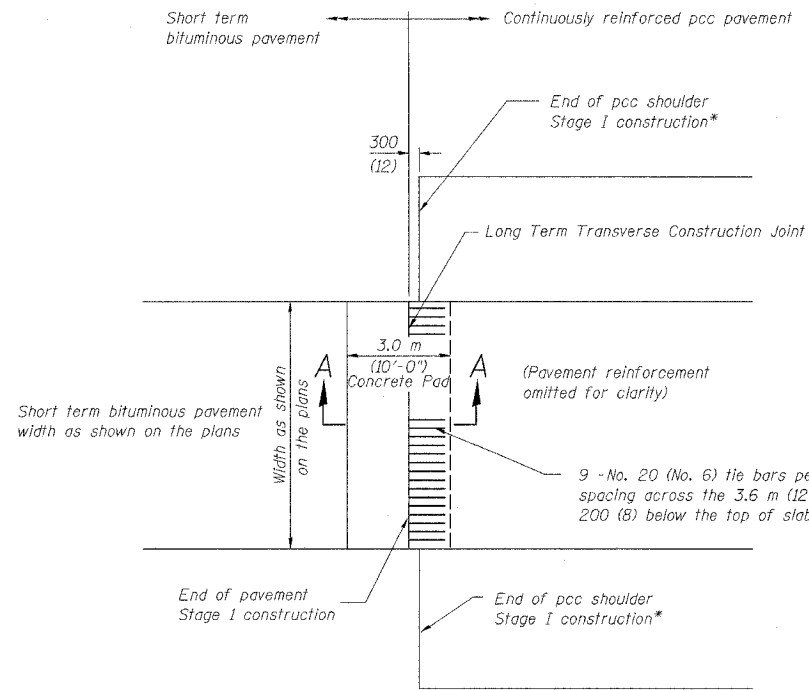
LONGITUDINAL BARS SHOULD NOT EXTEND THROUGH JOINTS.



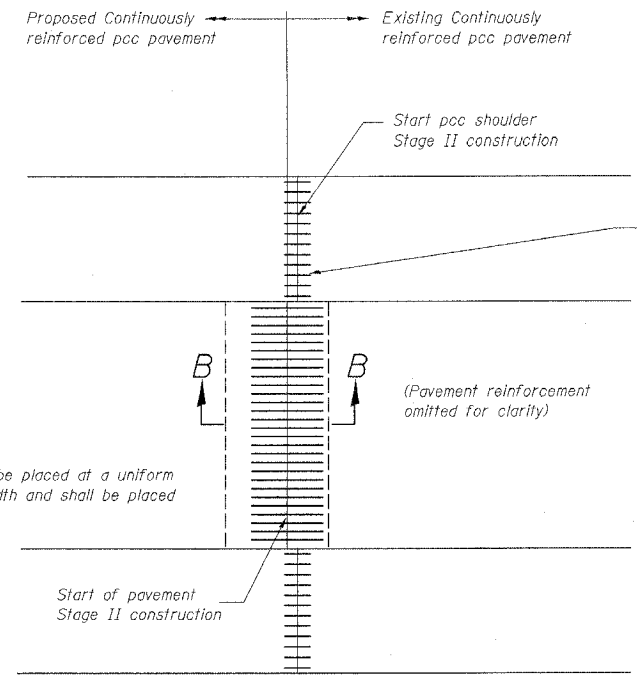
**OPTIONAL CONFIGURATION
DOUBLE FACE BARRIER ON PCC SHOULDER**
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SHOWN. MD-8

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
NAME	DATE	
MDV	01/30/04	CONCRETE BARRIER DETAILS 1065 MM WALL
MRN	3/29/04	
MDV	8/25/04	
MRN	4/20/05	
NLP	8/04/05	
SCALE NONE		DRAWN BY ACE/CAD
DATE 10/03		CHECKED BY
AMERICAN CONSULTING ENGINEERS		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	*		231	168
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
*(0203.1 & 0304) R-6			CONTRACT # 62105	



PLAN
(STAGE I CONSTRUCTION)



PLAN
(STAGE II CONSTRUCTION)

NOTES

Bar splicer assemblies shall be of an IDOT approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Bar splicers shall be of the "coupler" type, and shall not have flanges.

Splicer rods shall be of minimum 400 MPa yield strength, threaded or coiled full length.

All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

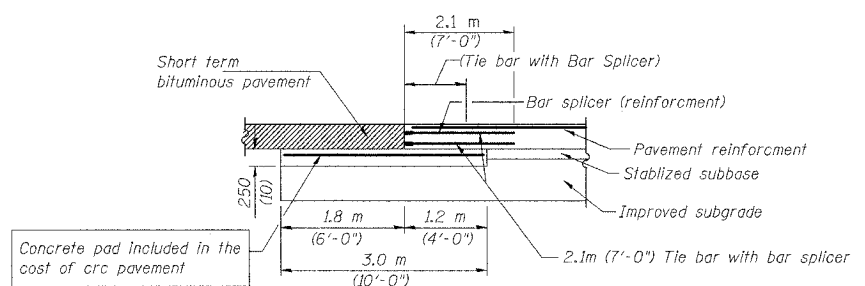
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

① Minimum Capacity = $1.25 \times 10^{-3} \times f_y \times A_t$
(Tension in kN)

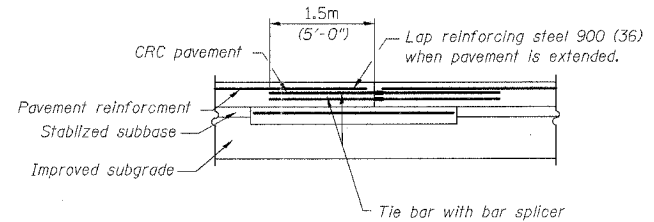
② Minimum *Pull-out Strength = $1.25 \times 10^{-3} \times f_{s\ allow} \times A_t$
(Tension in kN)

Where f_y = Yield strength of lapped reinforcement bars in MPa.
 $f_{s\ allow}$ = Allowable tensile stress in lapped reinforcement bars in MPa (Service Load)
 A_t = Tensile stress area of lapped reinforcement bars (mm²).
 * = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kN (kips) - tension	Min. Pull-Out Strength kN (kips) - tension
#15	610 mm	100	40
#20	790 mm	150	60
#22	1,04 m	200	80
#25	1,37 m	250	100
#30	1,75 m	350	140



LONG TERM TRANSVERSE CONSTRUCTION JOINT SECTION A-A
(STAGE I CONSTRUCTION)



LONG TERM TRANSVERSE CONSTRUCTION JOINT SECTION B-B
(STAGE II CONSTRUCTION)

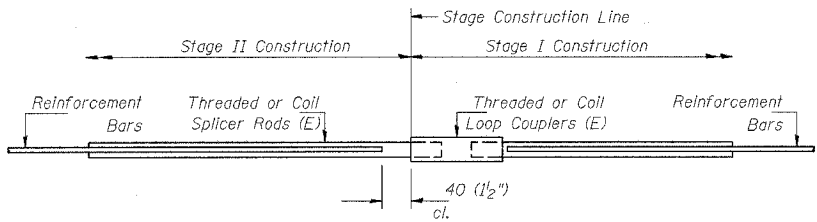
Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies for Stage I construction will be measured and paid for at the contract unit price each for "BAR SPLICERS, SPECIAL."

Stage I work will be paid for as BAR SPLICERS, SPECIAL. The concrete pad and reinforcement shall not be paid for separately but included in the cost of CONTINUOUSLY REINFORCED PORTLAND CEMENT PAVEMENT, of the thickness specified.

Stage II work includes obtaining, transporting the bar splicers for the second portion of the assembly from the IDOT Bishop Ford Maintenance facility (70B) 331-4339, and the installation of the bar splicers, payment for this work will be included in the cost of CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT of the thickness specified. Tie bars to be drilled and grouted shall not be paid for separately but included in the cost of PORTLAND CEMENT CONCRETE SHOULDERS, of the thickness specified.

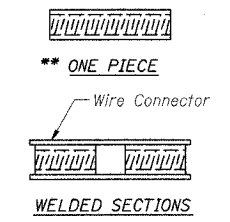
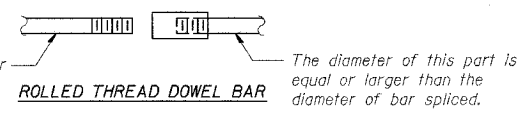
GENERAL NOTES

- See Standard 421001 for details of CRC pavement reinforcement.
 - See Standards 420001 and 420401 for details of joints and tie bars not shown.
 - See Standards 421201 and 421206 for details of concrete pad and transverse terminal joint.
 - See Standard 483001 for pcc shoulder details.
- All dimensions are in millimeters (Inches) unless otherwise noted. **MD-9**



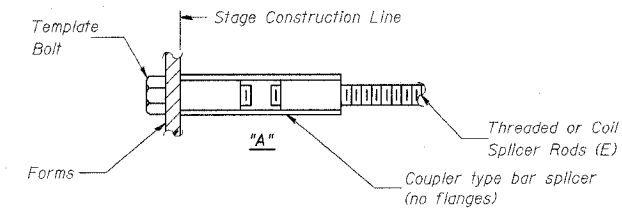
BAR SPLICER ASSEMBLY DETAIL

(E) : Indicates epoxy coating.



BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563M, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
(E) : Indicates epoxy coating.

REVISIONS	
KFA	12/18/03
MDV	1/5/04

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)

LONG TERM TRANSVERSE CONSTRUCTION JOINT DETAILS

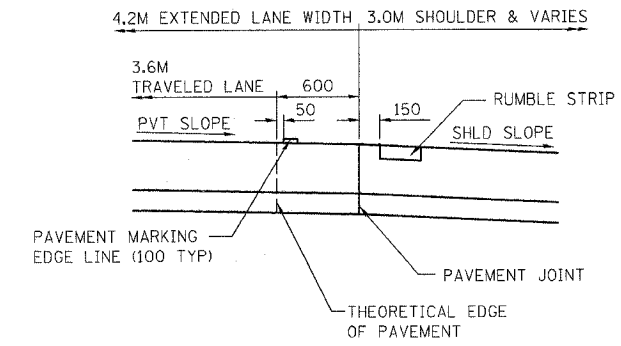
SCALE NONE
DATE 06/03

DRAWN BY ACE/CAD
CHECKED BY

AMERICAN
CONSULTING ENGINEERS

ALL DIMENSIONS IN MILLIMETERS
EXCEPT OTHERWISE NOTED

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*		231	169
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		



NOTES

SEE HIGHWAY STANDARD 642001 FOR
DETAILS OF SHOULDER RUMBLE STRIPS.

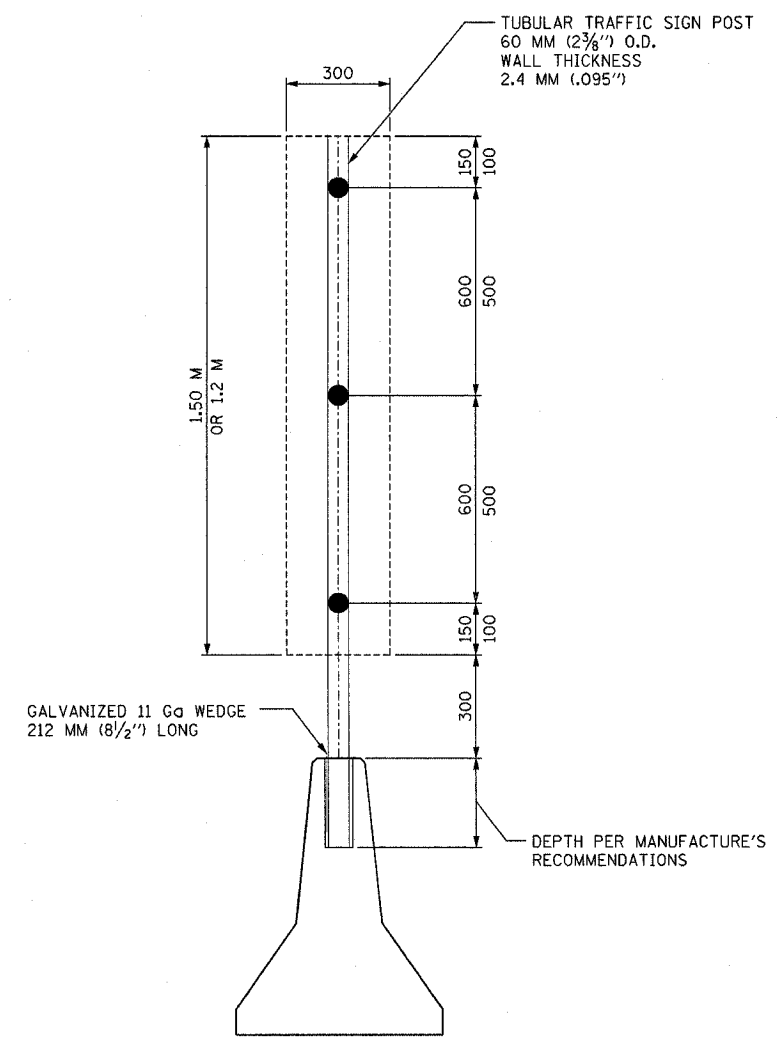
DETAIL APPLIES TO BOTH INSIDE AND OUTSIDE SHOULDER
WHERE EXTENDED LANE PAVEMENT IS USED.

MD-10

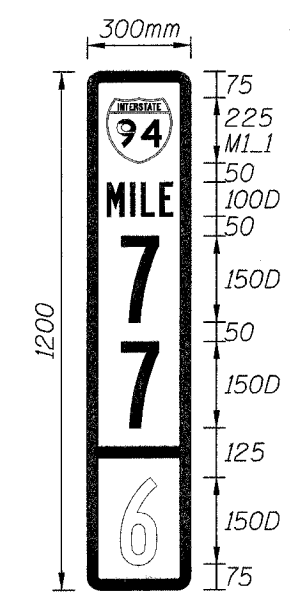
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
NAME	DATE	
		<p>DETAILS FOR PLACEMENT OF PAVEMENT MARKING AND SHOULDER RUMBLE STRIPS ON 4.2M PAVEMENT</p> <p>SCALE _____ DRAWN BY ACE/CAD DATE 06/04 CHECKED BY _____</p> <p>AMERICAN CONSULTING ENGINEERS</p>

ALL DIMENSIONS IN MILLIMETERS EXCEPT
PAY ITEMS AND UNLESS NOTED OTHERWISE

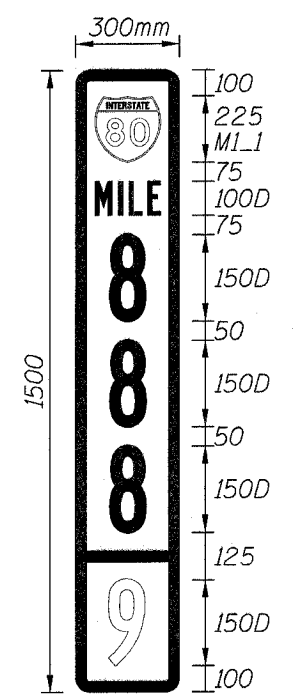
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*		231	170
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		



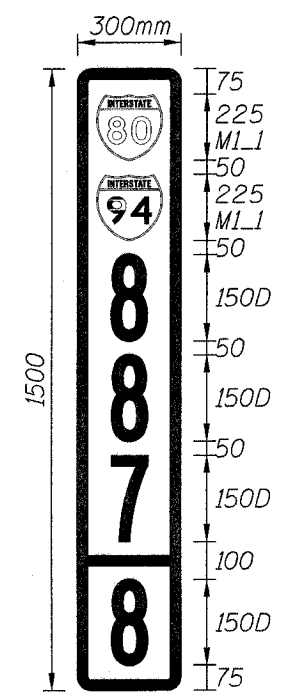
SIGN PANEL MOUNTING TO
BARRIER WALL
DETAIL



BORDER
R=40mm
TH=30mm
SIGN: WHITE/GREEN



BORDER
R=40mm
TH=30mm
SIGN: WHITE/GREEN



BORDER
R=40mm
TH=30mm
SIGN: WHITE/GREEN

ILLINOIS MILE MARKER SIGN

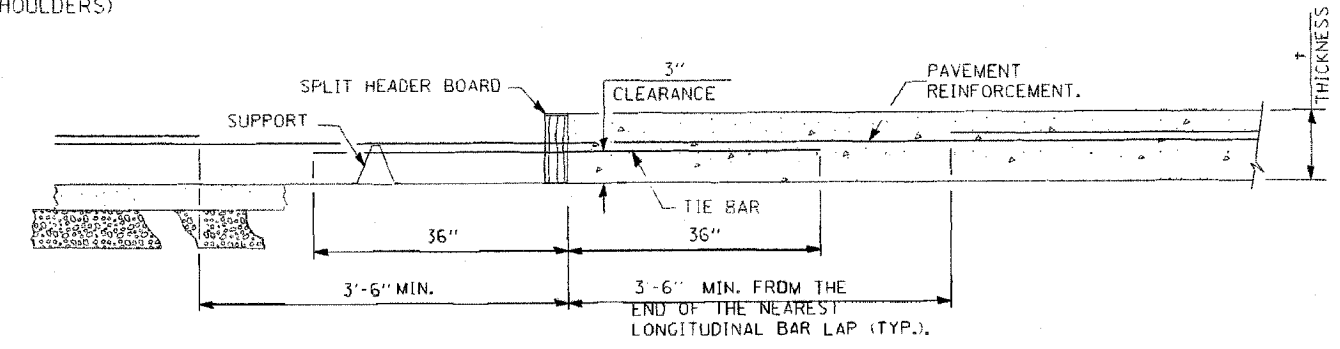
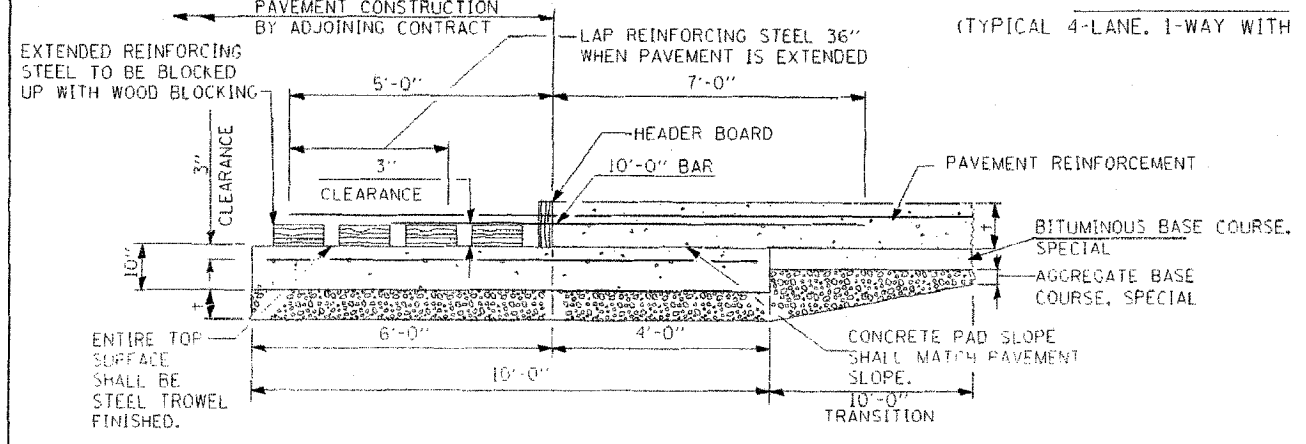
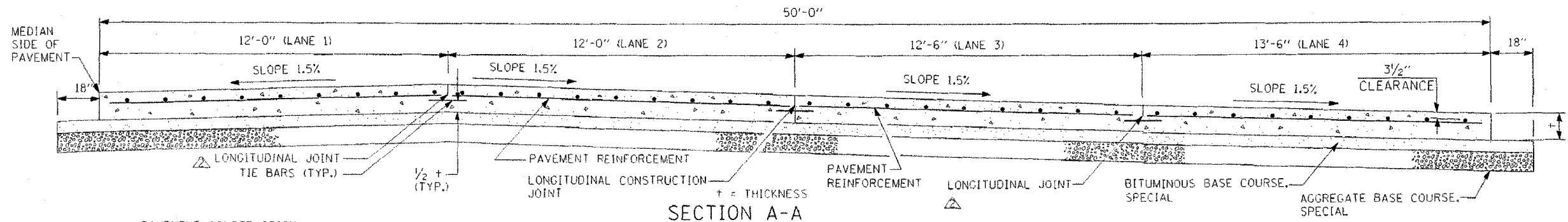
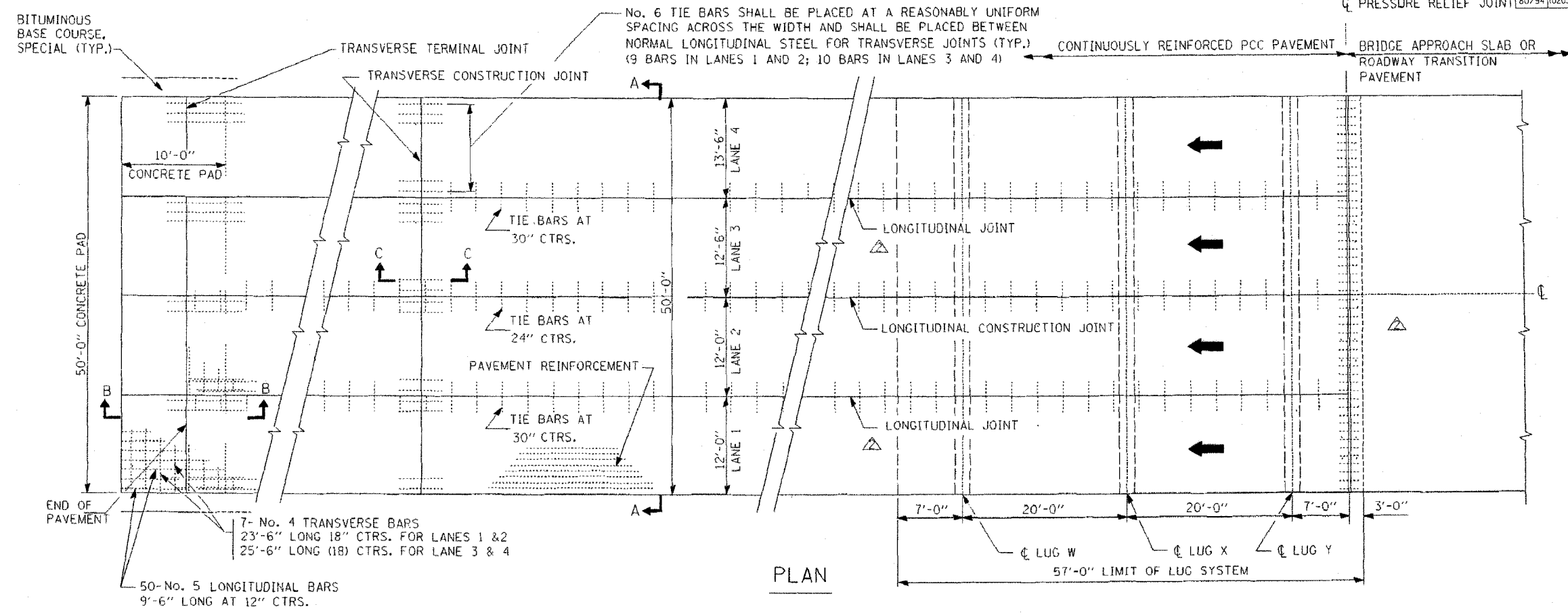
MD-11

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41
**MILE MARKER SIGN AND
POST DETAILS**

SCALE NONE
DATE 03/05

DRAWN BY ACE/CAD
CHECKED BY

REVISIONS	
NAME	DATE



TRANSVERSE TERMINAL JOINT (ADJACENT TO NEW CONSTRUCTION) SECTION B-B

TRANSVERSE CONSTRUCTION JOINT SECTION C-C

APPROVED: *Jeff Wiley*
CHIEF ENGINEER
DATE 2-25-2004

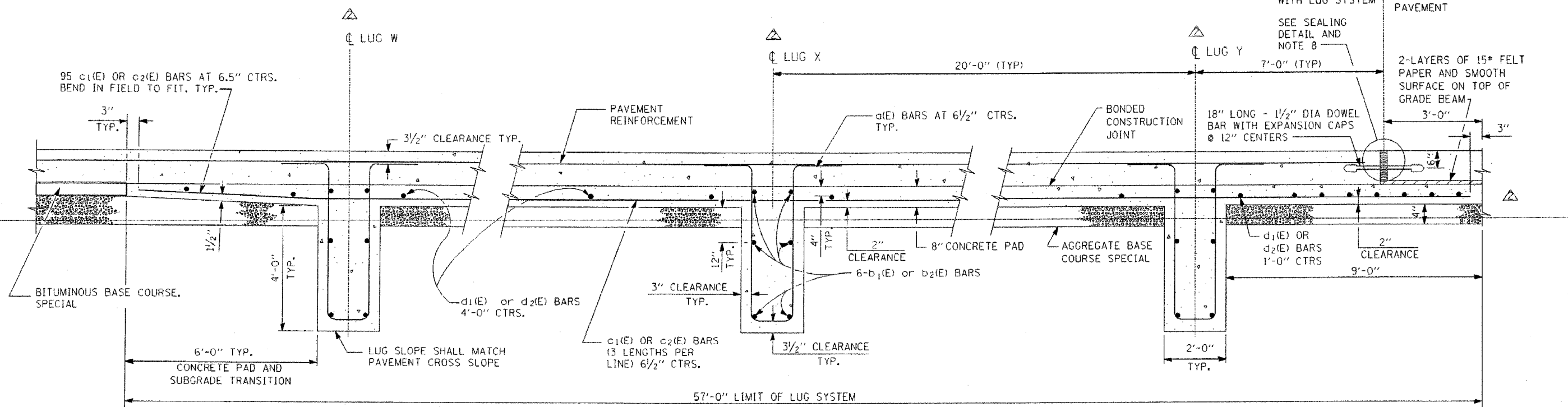
CTE ENGINEERS
CONSOER TOWNSEND ENVIRONMENTAL ENGINEERS, INC.

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60615

REVISIONS	
NO.	DATE
1	3-30-04
2	6-22-04

STANDARD SD 04-41
4-LANE CRC PAVEMENT
(WITH LUG SYSTEM)

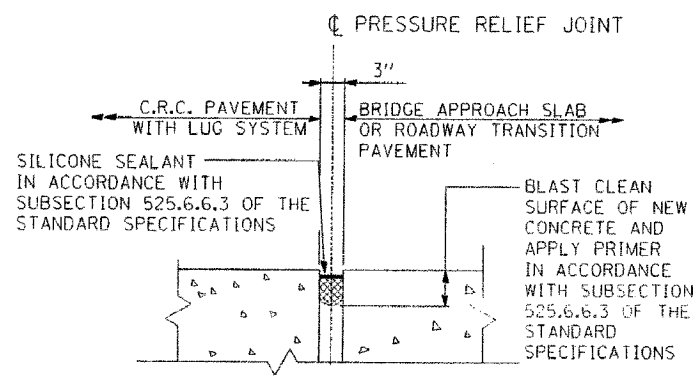
Contract: 0620050233.dgn 6/10/2005 3:56:53 PM



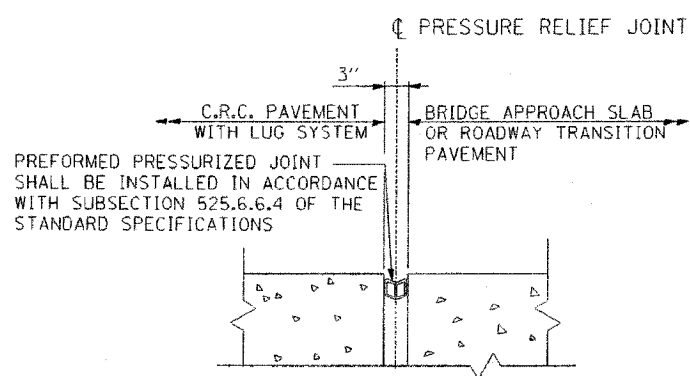
SECTION AT LUG W

SECTION AT LUG X

SECTION AT LUG Y



SEALING DETAIL ALTERNATE "A"
(SECTION 436 AND 525.6.6 OF STD. SPECS.)



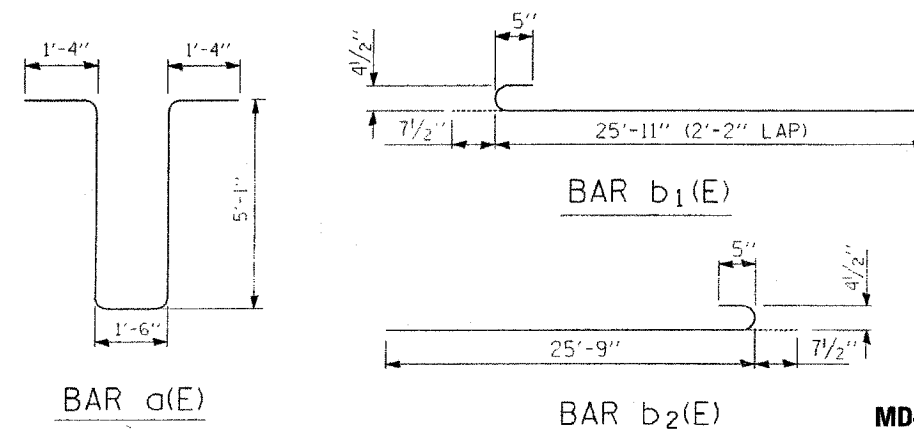
SEALING DETAIL ALTERNATE "B"
(SECTION 436 AND 525.6.6 OF STD. SPECS.)

MATERIALS REQUIRED FOR ONE LUG SYSTEM (EXCLUDING PAVEMENT CONCRETE AND PAVEMENT REINFORCEMENT)					
BAR	QTY.	SIZE	LENGTH	SHAPE	LANE WIDTH
a(E)	276	No. 8	14'-4"		ALL
b ₁ (E)	18	No. 5	26'-6 1/2"		1.2
b ₂ (E)	18	No. 5	26'-4 1/2"		3.4
c ₁ (E)	184	No. 5	21'-0"		ALL
c ₂ (E)	92	No. 5	18'-10"		ALL
d ₁ (E)	23	No. 4	25'-5"		1.2
d ₂ (E)	23	No. 4	25'-9"		3.4
CONCRETE, CU. YDS.			83		
REINFORCING BARS EPOXY COATED, LBS.			18,180		
AGGREGATE BASE COURSE SPECIAL, SQ. YDS.			283		
DOWEL BARS, EACH			51		
PRESSURE RELIEF JOINT, LF			50		

NOTES

- SEE STANDARD DRAWING SD XX-43 FOR DETAILS OF PAVEMENT REINFORCEMENT.
- SEE STANDARD DRAWING SD XX-46 FOR DETAILS OF JOINTS AND TIE BARS NOT SHOWN.
- SEE STANDARD DRAWING SD XX-9 AND SD XX-11 FOR DETAILS OF BRIDGE APPROACH SLAB OR SD XX-47 FOR DETAILS OF ROADWAY TRANSITION PAVEMENT.
- REINFORCEMENT BARS, INCLUDING EPOXY-COATED REINFORCEMENT BARS, SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31 (ASTM A615), GRADE 60, DEFORMED BARS.
- REINFORCEMENT BARS DESIGNATED "(E)" SHALL BE EPOXY COATED.
- REINFORCEMENT BENDING DETAILS SHALL BE IN ACCORDANCE WITH THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURE", ACI 315, LATEST EDITION.
- REINFORCEMENT BAR BENDING DIMENSIONS ARE OUT TO OUT.
- PRESSURE RELIEF JOINT AND DOWEL BARS INCLUDED IN THE COST THE OF LUG SYSTEM.

- COVER FROM THE FACE OF CONCRETE TO FACE OF REINFORCEMENT BARS SHALL BE 3" FOR SURFACES POURED AGAINST EARTH AND 2" FOR ALL OTHER SURFACES UNLESS OTHERWISE SHOWN.
- MINIMUM LAP LENGTHS *5 BARS: 2'-2". *4 BARS: 1'-8".
- REFER TO CONTRACT DOCUMENTS FOR THE CLASS OF CONCRETE TO BE USED.
- SAWED AND CONSTRUCTION JOINTS MAY BE INTERCHANGED TO MATCH MAINTENANCE OF TRAFFIC. JOINTS SHOWN ARE FOR NEW CONSTRUCTION.
- THICKNESS OF MATERIALS IS PROJECT SPECIFIC. REFER TO PROJECT PLANS FOR DETAILS.
- QUANTITIES LISTED IN TABLE HAVE BEEN ROUNDED AS FOLLOWS:
 - CONCRETE TO NEAREST CU YD
 - REINFORCING BARS TO NEAREST 10 LBS
 - AGGREGATE BASE COURSE, SPECIAL TO NEAREST SQ YD



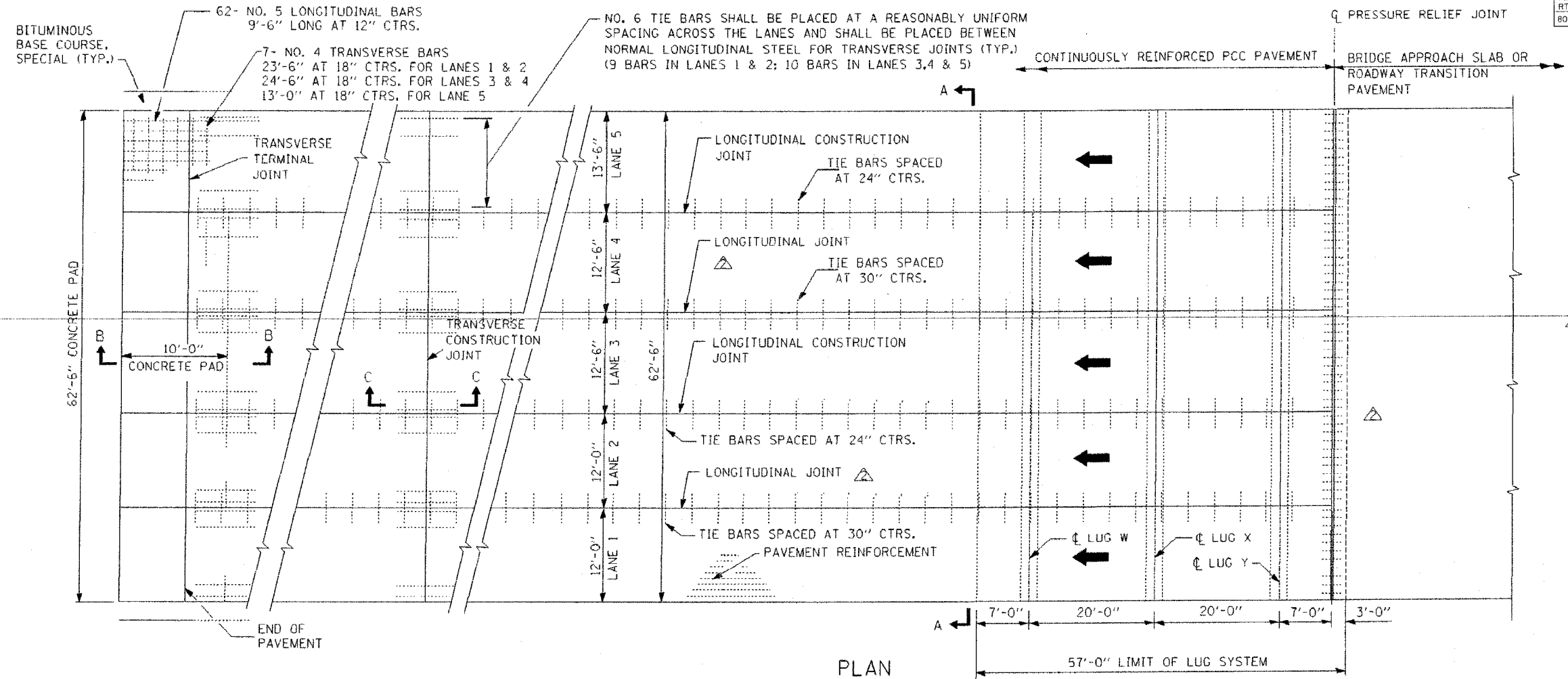
APPROVED: *Jeff Wiley*
CHIEF ENGINEER DATE 2-25-2004

CTE ENGINEERS
CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.

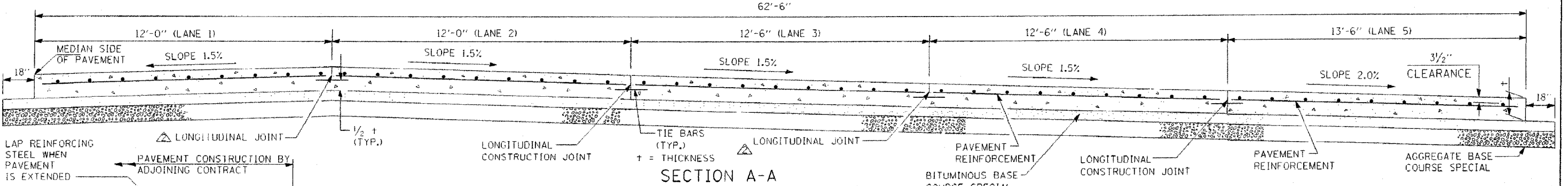
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS	
NO.	DATE DESCRIPTION
1	6-22-04 REVERSED SEALING DETAIL /MISC.

STANDARD SD 04-41
4-LANE
CRC PAVEMENT
(WITH LUG SYSTEM)

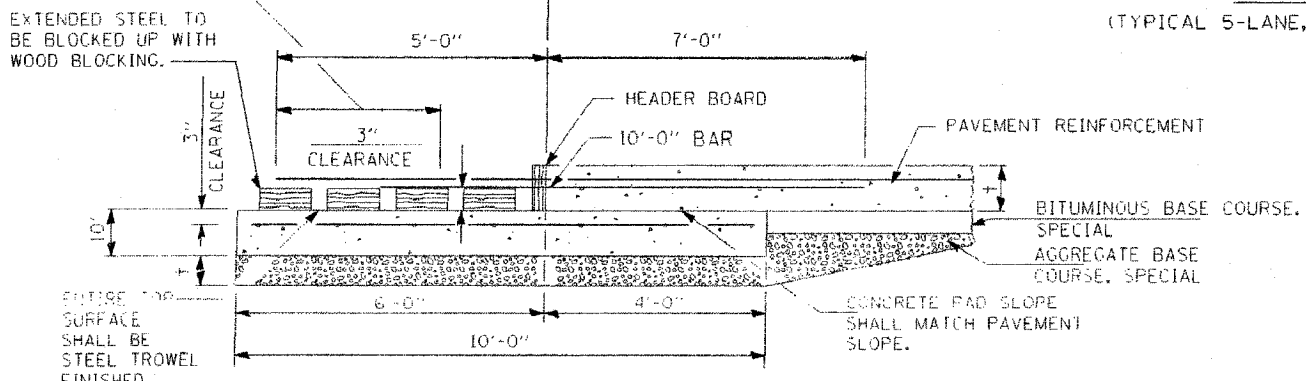


PLAN

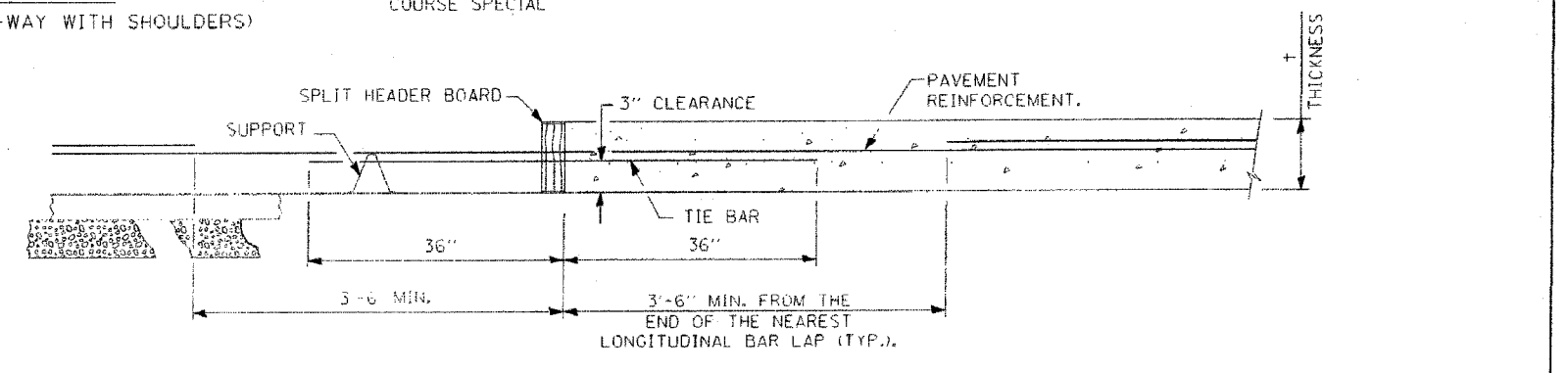


SECTION A-A

(TYPICAL 5-LANE, 1-WAY WITH SHOULDERS)



TRANSVERSE TERMINAL JOINT (ADJACENT TO NEW CONSTRUCTION)
SECTION B-B



TRANSVERSE CONSTRUCTION JOINT
SECTION C-C

APPROVED *Jeff Wiley* CHIEF ENGINEER DATE 1-30-2004

CTE ENGINEERS
CONSER TOWNSEND ENVIRODYNE ENGINEERS, INC.

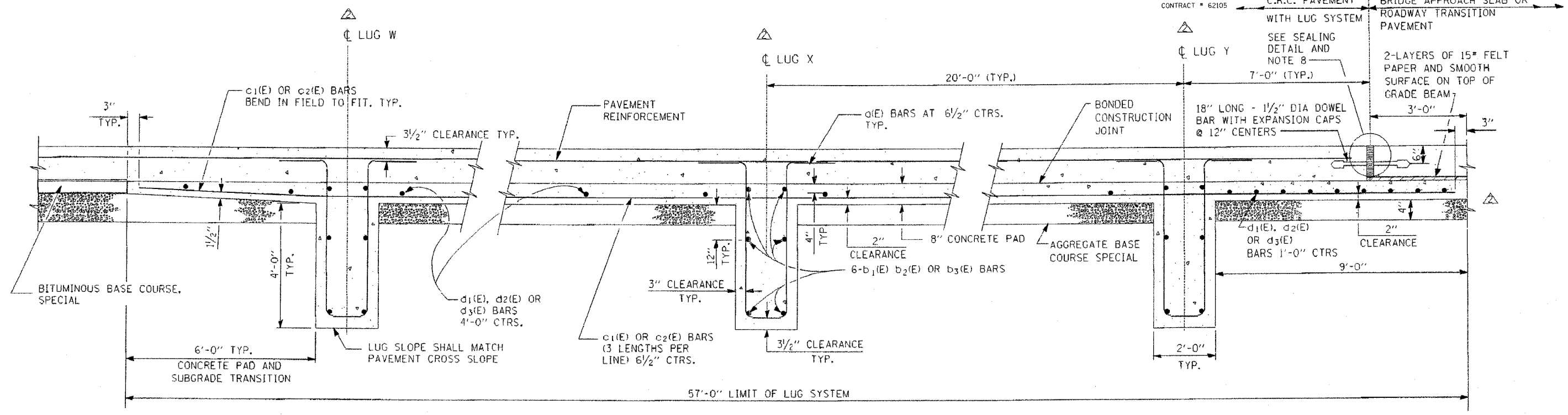
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS	
NO.	DATE
1	2-25-04
2	6-22-04

DESCRIPTION
REVISED EXPANSION JOINT AND QUANTITY ADJUSTMENTS
MOVED JOINT DETAILS TO SD-04-46/MISC.

STANDARD SD 04-42
5-LANE
CRC PAVEMENT
(WITH LUG SYSTEM)

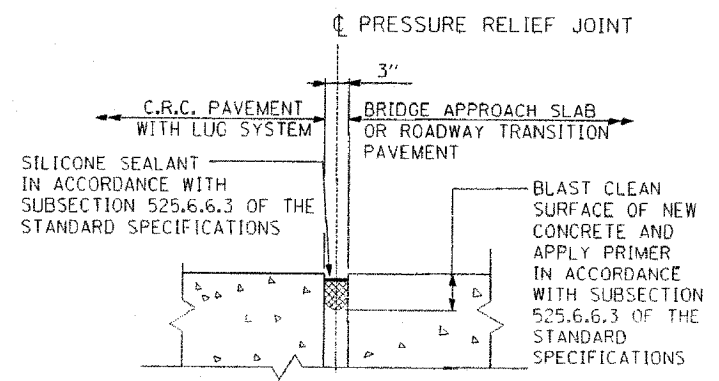
MD-14
SHEET 1 OF 2



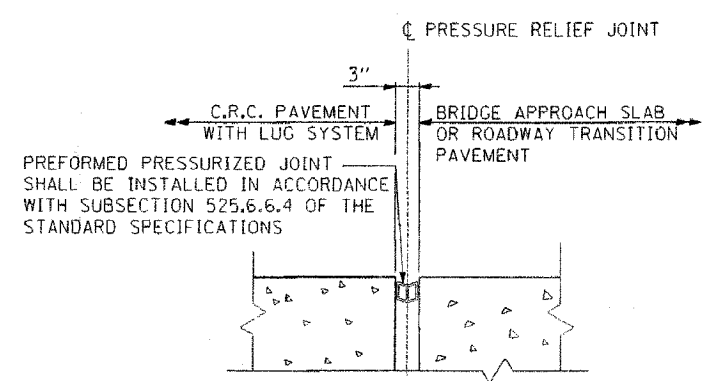
SECTION AT LUG W

SECTION AT LUG X

SECTION AT LUG Y



SEALING DETAIL ALTERNATE "A"
(SECTION 436 AND 525.6.6 OF STD. SPECS.)

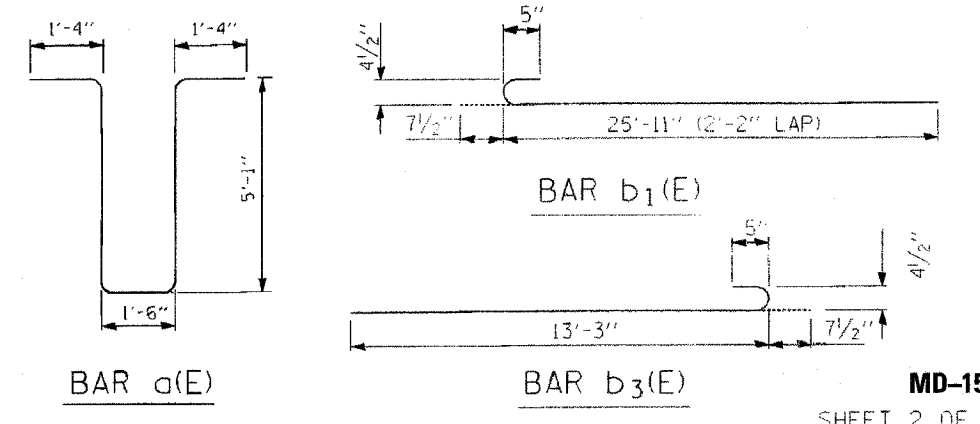


SEALING DETAIL ALTERNATE "B"
(SECTION 436 AND 525.6.6 OF STD. SPECS.)

MATERIALS REQUIRED FOR ONE LUG SYSTEM (EXCLUDING PAVEMENT CONCRETE AND PAVEMENT REINFORCEMENT)					
BAR	QTY.	SIZE	LENGTH	SHAPE	LANE WIDTH
a(E)	345	No. 8	14'-4"		ALL
b ₁ (E)	18	No. 5	26'-6 1/2"		1,2
b ₂ (E)	18	No. 5	27'-2"		3,4
b ₃ (E)	18	No. 5	13'-10 1/2"		5
c ₁ (E)	230	No. 5	21'-0"		ALL
c ₂ (E)	115	No. 5	18'-10"		ALL
d ₁ (E)	23	No. 4	25'-5"		1,2
d ₂ (E)	23	No. 4	26'-8"		3,4
d ₃ (E)	23	No. 4	13'-3"		5
CONCRETE, CU. YDS.			104		
REINFORCING BARS EPOXY COATED, LBS.			22,770		
AGGREGATE BASE COURSE SPECIAL, SQ. YDS.			354		
DOWEL BARS, EACH			64		
PRESSURE RELIEF JOINT, LF			62.5		

NOTES

- SEE STANDARD DRAWING SD XX-43 FOR DETAILS OF PAVEMENT REINFORCEMENT.
- SEE STANDARD DRAWING SD XX-46 FOR DETAILS OF JOINTS AND TIE BARS NOT SHOWN.
- SEE STANDARD DRAWING SD XX-9 AND SD XX-10 FOR DETAILS OF BRIDGE APPROACH SLAB OR SD XX-47 FOR DETAILS OF ROADWAY TRANSITION PAVEMENT.
- REINFORCEMENT BARS, INCLUDING EPOXY-COATED REINFORCEMENT BARS, SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31 (ASTM A615), GRADE 60, DEFORMED BARS.
- REINFORCEMENT BARS DESIGNATED "E" SHALL BE EPOXY COATED.
- REINFORCEMENT BENDING DETAILS SHALL BE IN ACCORDANCE WITH THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURE", ACT 315, LATEST EDITION.
- REINFORCEMENT BAR BENDING DIMENSIONS ARE OUT TO OUT.
- PRESSURE RELIEF JOINT AND DOWEL BARS INCLUDED IN THE COST OF THE LUG SYSTEM.
- COVER FROM THE FACE OF CONCRETE TO FACE OF REINFORCEMENT BARS SHALL BE 3" FOR SURFACES POURED AGAINST EARTH AND 2" FOR ALL OTHER SURFACES UNLESS OTHERWISE SHOWN.
- MINIMUM LAP LENGTHS #5 BARS: 2'-2", #4 BARS: 1'-8".
- REFER TO CONTRACT DOCUMENTS FOR THE CLASS OF CONCRETE TO BE USED.
- SAWED AND CONSTRUCTION JOINTS MAY BE INTERCHANGED TO MATCH MAINTENANCE OF TRAFFIC. JOINTS SHOWN ARE FOR NEW CONSTRUCTION.
- THICKNESS OF MATERIALS IS PROJECT SPECIFIC. REFER TO PROJECT PLANS FOR DETAILS.
- QUANTITIES LISTED IN TABLE HAVE BEEN ROUNDED AS FOLLOWS:
 - CONCRETE TO NEAREST CU YD
 - REINFORCING BARS TO NEAREST 10 LBS
 - AGGREGATE BASE COURSE, SPECIAL TO NEAREST 50 YD



APPROVED: *Jeff Wiley*
CHIEF ENGINEER DATE: 1-30-2004

CTE ENGINEERS
CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.

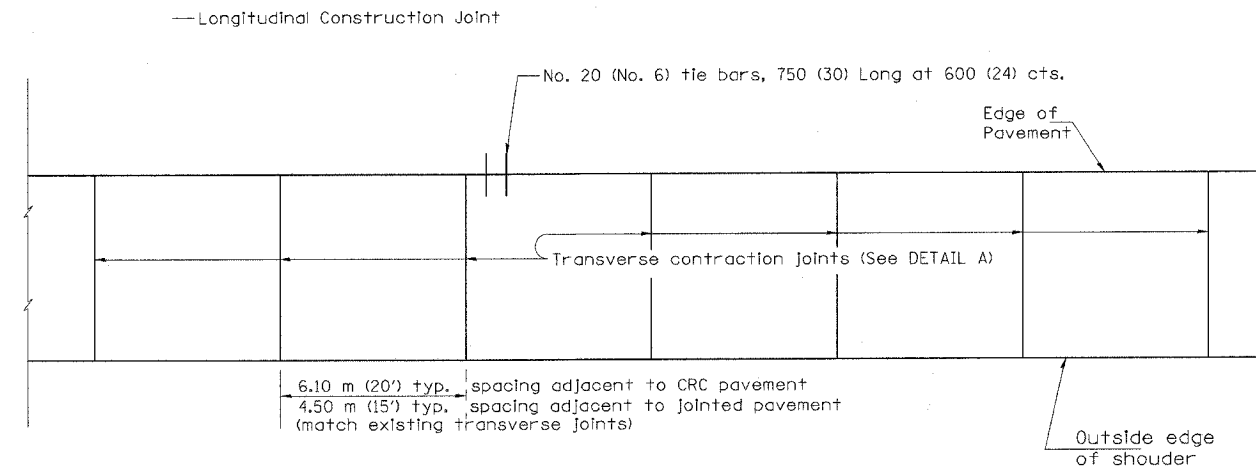
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS	
NO.	DATE
1	2-25-04
2	6-22-04

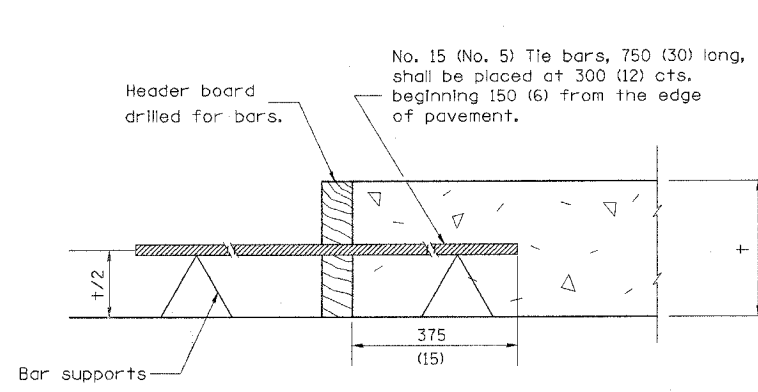
DESCRIPTION:
REVISED EXPANSION JOINT AND QUANTITY ADJUSTMENTS
REVERSED SEALING DETAILS /MISC.

STANDARD SD 04-42
5-LANE CRC PAVEMENT
(WITH LUG SYSTEM)

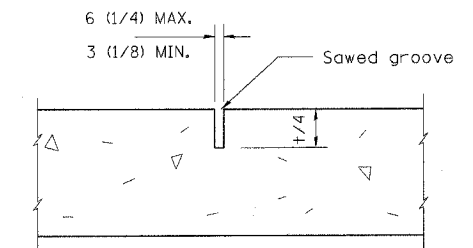
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	174A
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		



PLAN



TRANSVERSE CONSTRUCTION JOINT



DETAIL A
TRANSVERSE CONTRACTION JOINT

NOTES

1. Transverse expansion joints shall be as detailed on Standard 420001 except that dowel bars will not be required.
2. See Standard 420001 for details not shown.

All dimensions are in millimeters (inches) unless otherwise shown.

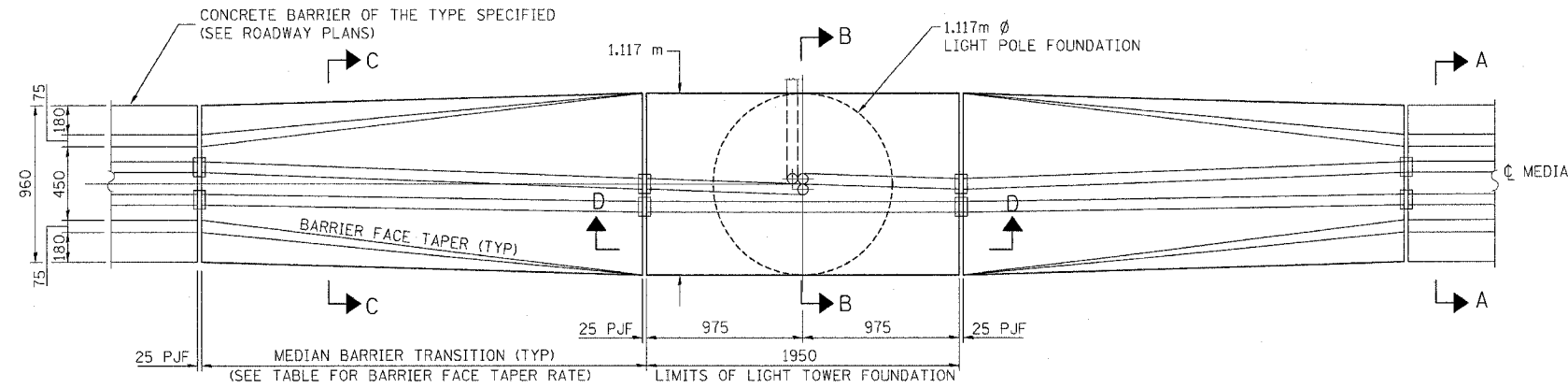
MD-16

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
NAME	DATE	
Added bar supports.	4/05	PCC SHOULDER DETAILS
		SCALE
		DATE 07/04
		DRAWN BY ACE/CAD
		CHECKED BY

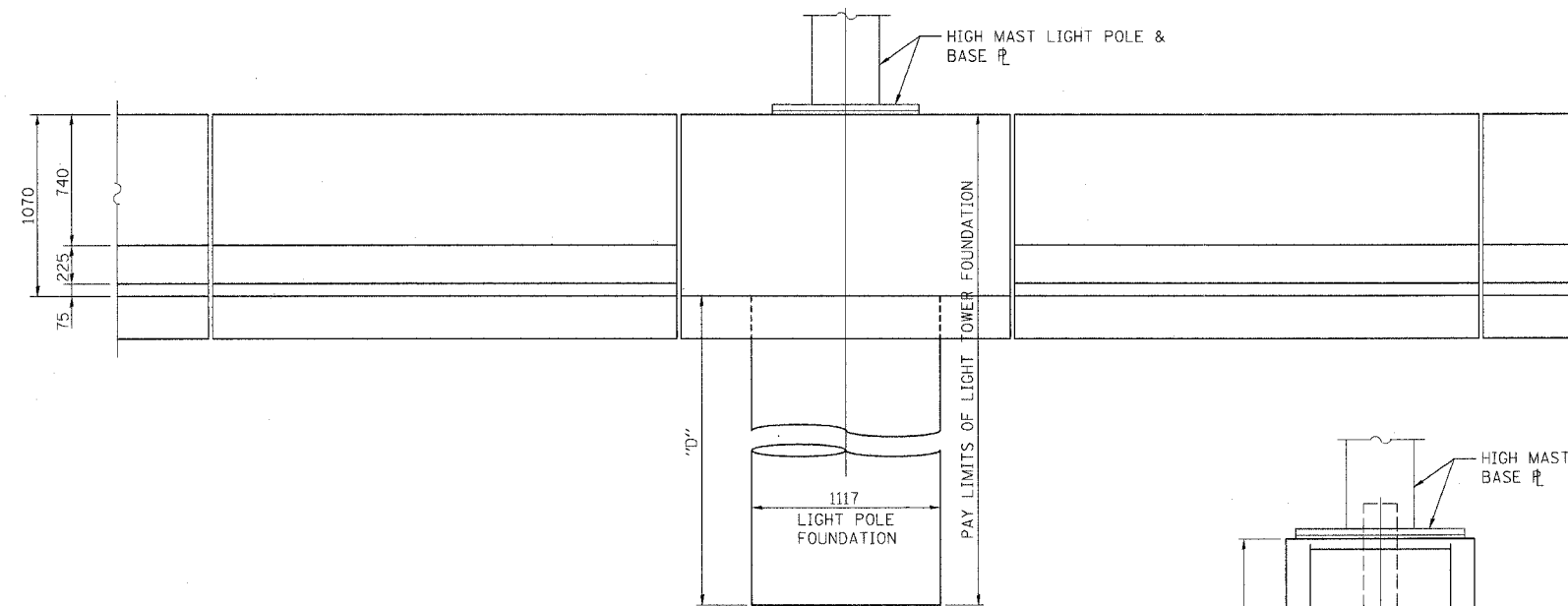


ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	175
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		

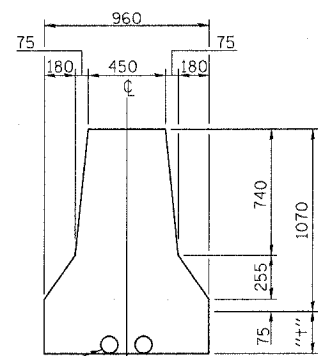


PLAN



ELEVATION

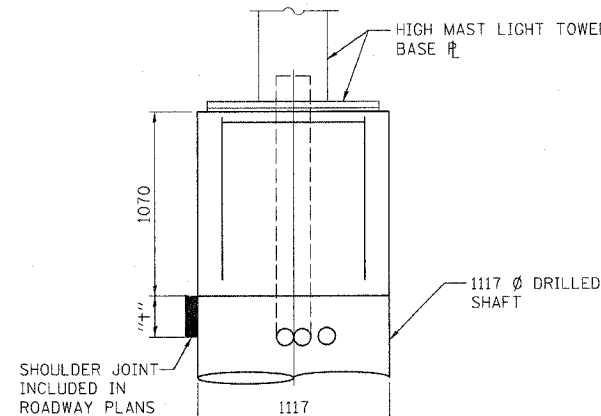
BARRIER FACE TAPER RATES		
DESIGN SPEED (km/h)	OFFSET FROM E/P (m)	TAPER RATE
120	> 3.2	1:20
	< 3.2	1:30
110	> 2.8	1:20
	< 2.8	1:30
100	> 2.4	1:18
	< 2.4	1:26
90	> 2.2	1:16
	< 2.2	1:24
80	> 2.0	1:14
	< 2.0	1:21
70	> 1.7	1:12
	< 1.7	1:18
60	> 1.4	1:10
	< 1.4	1:16
50	> 1.1	1:08
	< 1.1	1:13



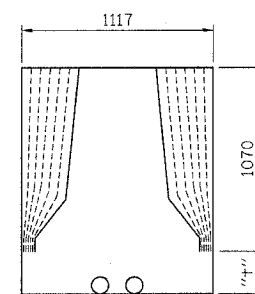
SECTION A-A

NUMBER AND SIZE OF CONDUITS SHALL BE AS SHOWN IN PLANS.

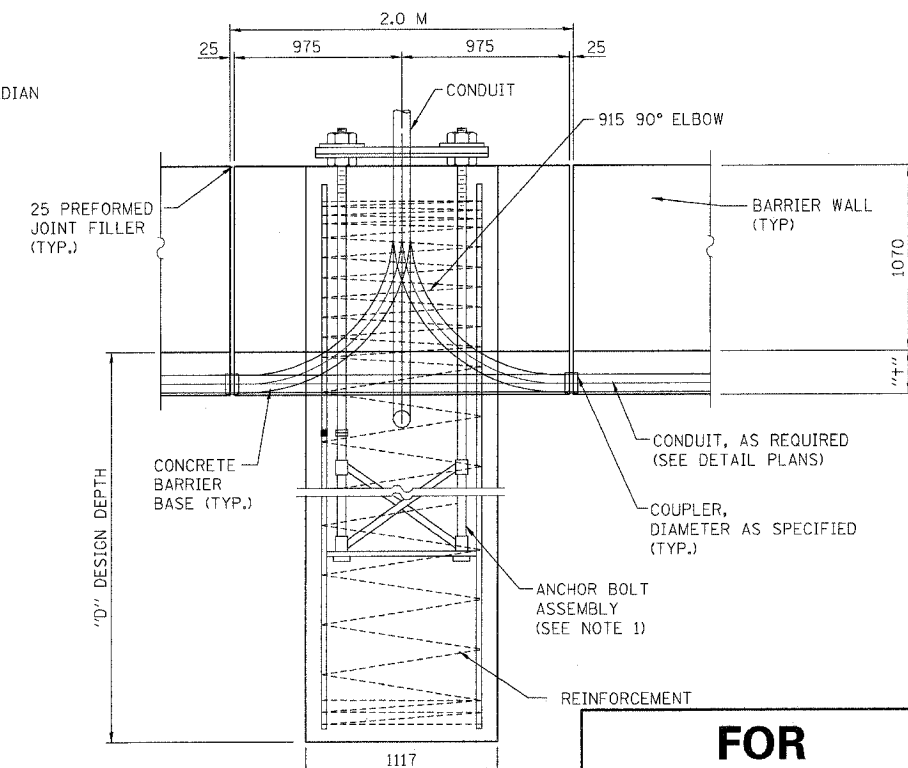
"4" = SHOULDER THICKNESS AS SPECIFIED



SECTION B-B



SECTION C-C



SECTION D-D

FOR INFORMATION ONLY

NOTES:

- SEE HIGH MAST LIGHT TOWER FOUNDATION DETAILS SHEETS 1 AND 2 FOR "D" DESIGN DEPTH, BASE PLATE, GROUND ROD, REINFORCEMENT AND ANCHOR BOLT ASSEMBLY FOR DESIGN DETAILS AND NOTES.
- SEE APPLICABLE PORTIONS OF SECTIONS 637 AND 837 OF THE STANDARD SPECIFICATIONS.
- SEE LIGHTING AND SURVEILLANCE PLANS FOR INFORMATION ON CONDUIT SIZES AND LOCATIONS.
- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SHOWN.
- THE CONCRETE BARRIER TRANSITION WILL BE MEASURED IN PLACE IN METERS ALONG THE CENTERLINE OF THE BARRIER AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE OF CONCRETE BARRIER OF THE TYPE SPECIFIED AND SHALL INCLUDE THE PREFORMED JOINT FILLER.
- THE LIGHT TOWER FOUNDATION WILL BE MEASURED FOR PAYMENT IN METERS OF THE LIGHT TOWER FOUNDATION IN PLACE AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METER FOR LIGHT TOWER FOUNDATION OF THE DIAMETER SPECIFIED.
- THE DETAILS SHOWN ON THIS SHEET APPLY TO THE HIGH MAST LIGHT TOWERS AT THE FOLLOWING STATIONS:

STA.	STA.	STA.
STA.	STA.	STA.
STA.	STA.	STA.
STA.	STA.	STA.
STA.	STA.	STA.

LI-1

REVISIONS	
NAME	DATE
T. WALSH	7/23/02
M. NORUP	6/19/03

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)

**HIGH MAST LIGHT FOUNDATION
AT MEDIAN BARRIER DETAIL**

SCALE DATE 07/03 DRAWN BY ACE/CAD CHECKED BY TAE



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	176
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
*(0203.1 & 0304) R-6		CONTRACT # 62105		

REINFORCEMENT BAR SCHEDULE

(Quantities shown for one wall)

Bar	No.	Size	Length (m)	Shape
h(E)	66	#15	1.40	—
w(E)	12	#15	3.41	—
w ₁ (E)	24	#15	2.89	—
n(E)	56	#15	1.04	—

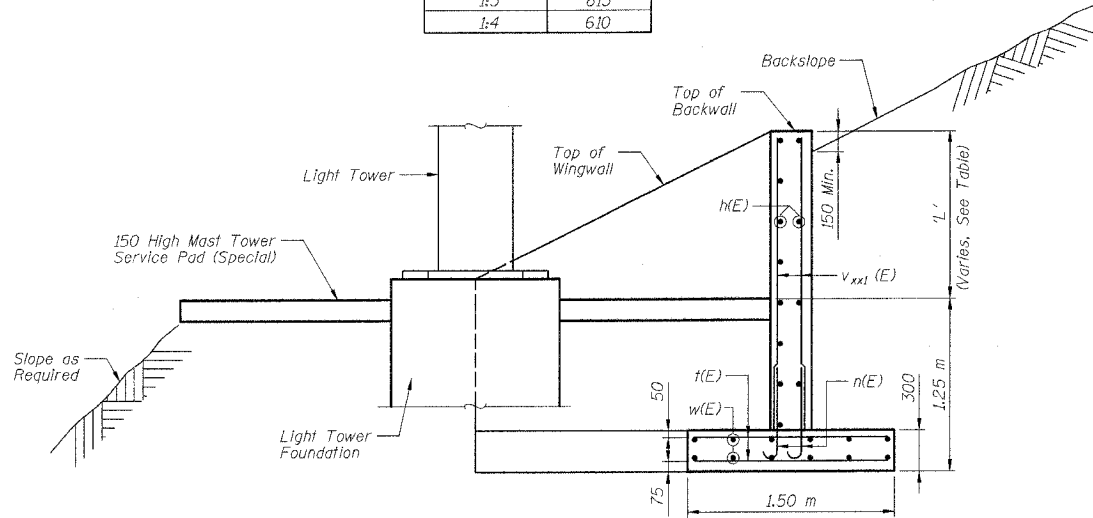
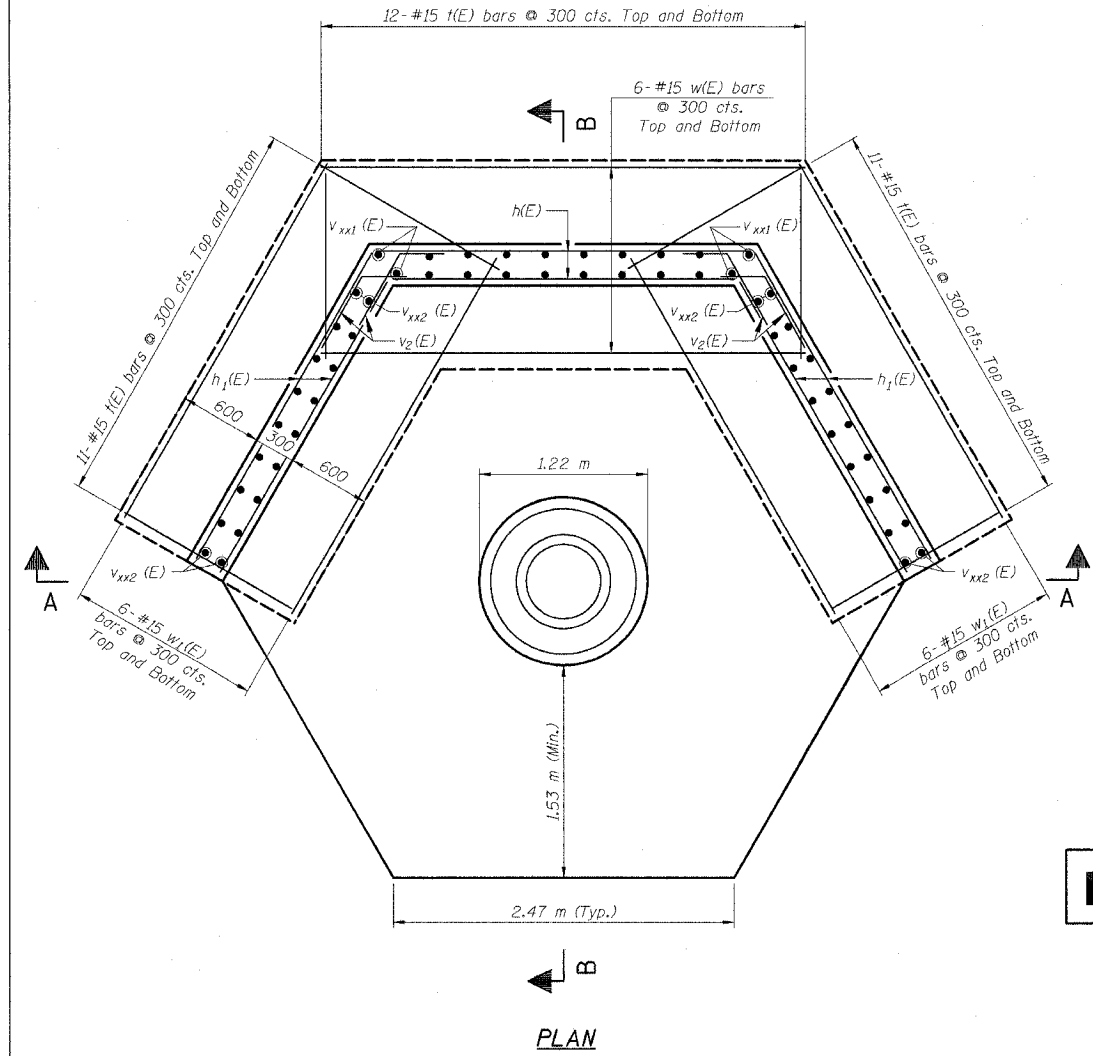
FOR BACKSLOPE = 1:2				
h(E)	12	#15	2.72	—
h ₁ (E)	24	#15	2.54	—
v _{B1} (E)	20	#15	2.12	—
v _{B2} (E)	18	#15	3.04	—
v ₂ (E)	24	#15	0.90	—

FOR BACKSLOPE = 1:3				
h(E)	11	#15	2.72	—
h ₁ (E)	22	#15	2.54	—
v _{B1} (E)	20	#15	1.71	—
v _{B2} (E)	18	#15	2.68	—
v ₂ (E)	22	#15	0.90	—

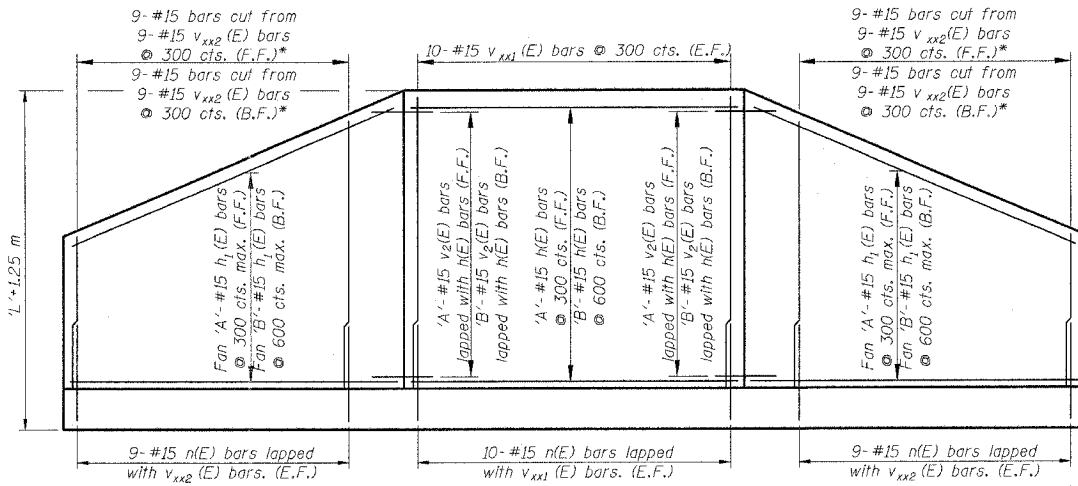
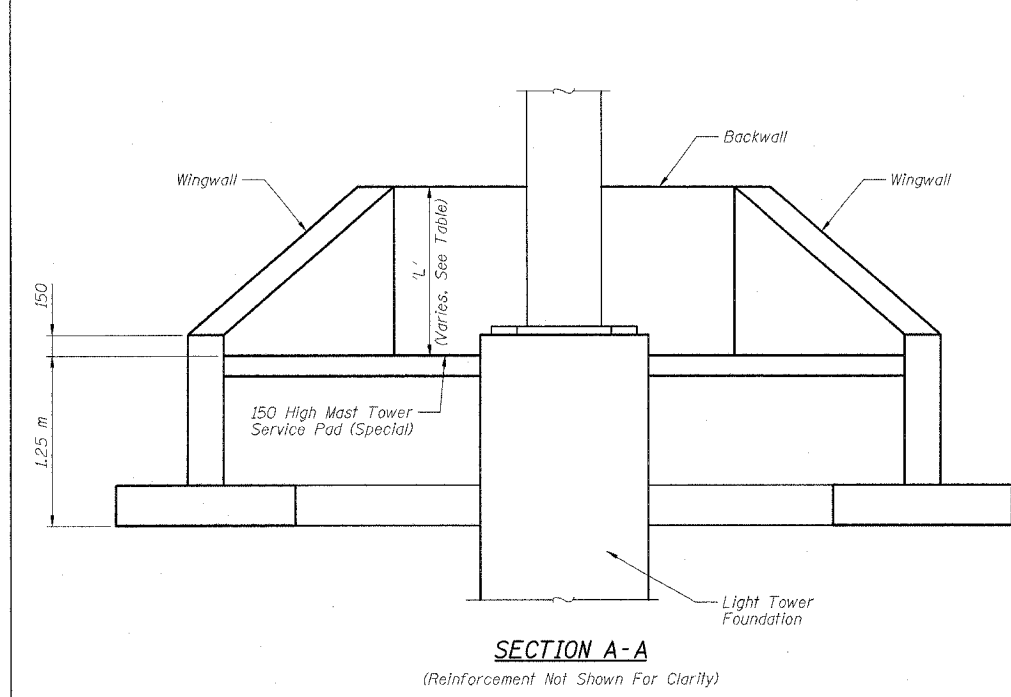
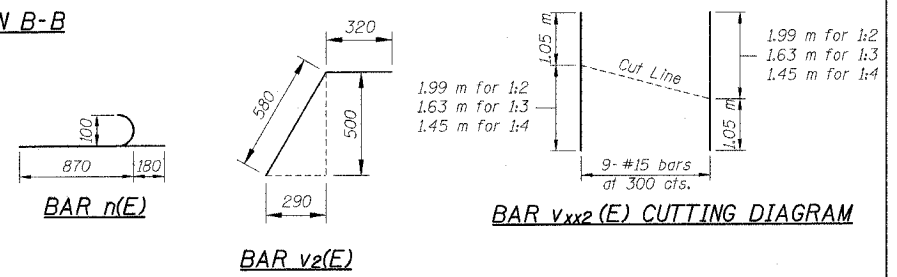
FOR BACKSLOPE = 1:4				
h(E)	9	#15	2.72	—
h ₁ (E)	18	#15	2.54	—
v _{B1} (E)	20	#15	1.51	—
v _{B2} (E)	18	#15	2.50	—
v ₂ (E)	18	#15	0.90	—

WALL STEM HEIGHT TABLE

BACKSLOPE	'L'
1:2	1.22 m
1:3	813
1:4	610



FOR INFORMATION ONLY



h1(E) BAR QUANTITY TABLE

BACKSLOPE	'A'	'B'
1:2	8	4
1:3	7	4
1:4	6	3

*Note: Cut v_{xx2}(E) bars in field to fit front face of wingwall, and use remainder in the backface of wingwall (Typ. both wingwalls)

NOTES:

- All dimensions in millimeters unless otherwise shown.
- Reinforcement bars designated (E) shall be epoxy coated.
- For location of Light Tower Foundations, see Roadway Lighting Plan Sheets ___ thru ___.
- See Sheet ___ for High Mast Light Tower Foundation Details.
- For Backslopes less than 1:4, grade backslope as necessary to eliminate wall.
- "xx" designation in bar marks represent backslope conditions. bars indicated thus v_{1:3}(E) indicate 1:3 backslope.
- Cost of reinforcement bars and concrete shall be included in the pay item for "High Mast Tower Service Pad (Special)"

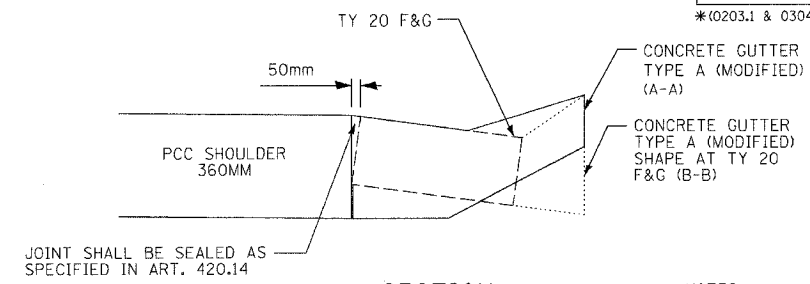
MINIMUM BAR LAPS:

#15 bar - 640

LI-2

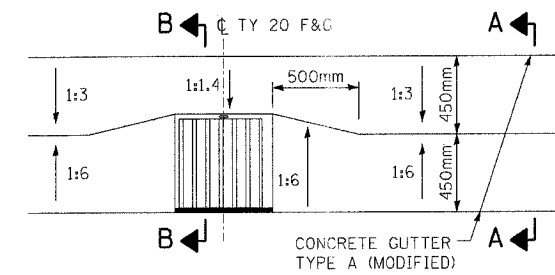
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
NAME	DATE	
		<p>HIGH MAST FOUNDATION SERVICE PAD & WALL DETAILS</p> <p>SCALE: DATE 07/03 DRAWN BY ACE/CAD CHECKED BY</p> <p>AMERICAN CONSULTING ENGINEERS</p>

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	177
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		



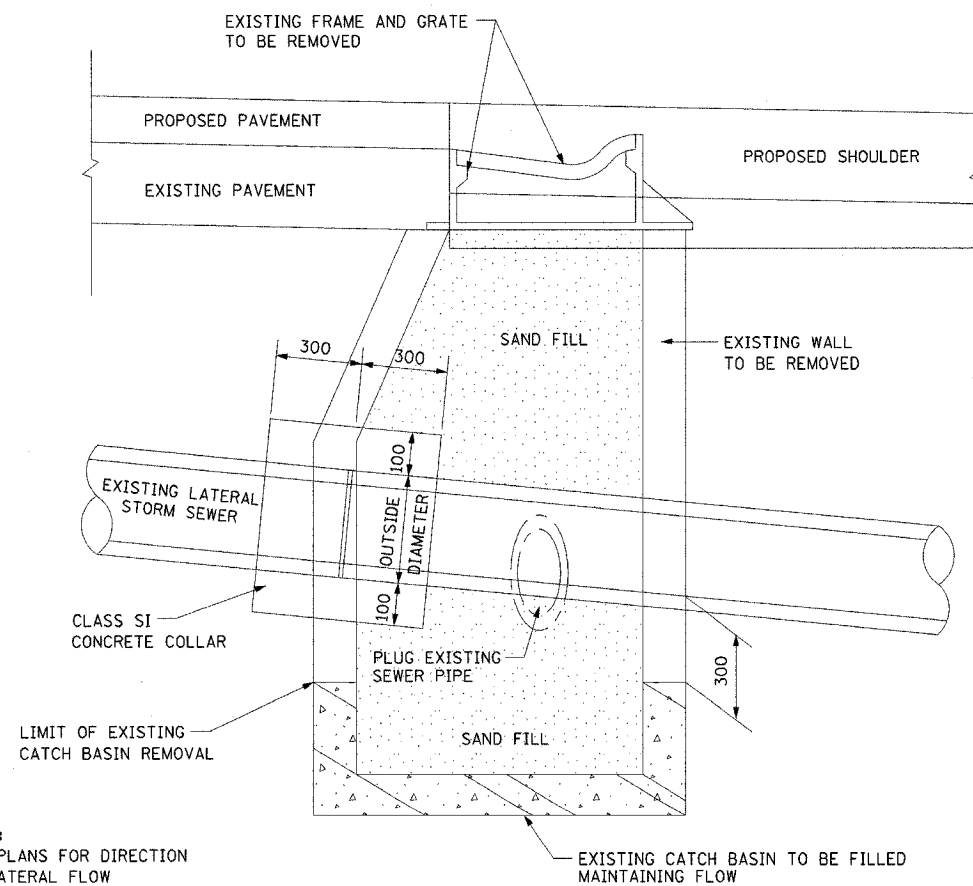
SECTION

NOTES:
1. DETAILS FOR CONCRETE GUTTER TYPE A (MODIFIED), SEE MD-3.



PLAN

TYPE 20 F&G PLACEMENT IN CONCRETE GUTTER, TYPE A (MODIFIED)



NOTE:
SEE PLANS FOR DIRECTION OF LATERAL FLOW

CATCH BASINS TO BE FILLED TO MAINTAIN FLOW

DD-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

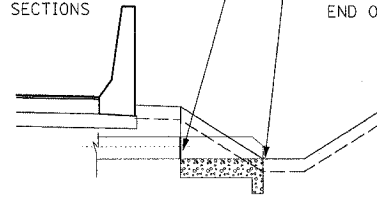
DRAINAGE DETAILS I

SCALE: NTS
DATE: JULY 18, 2005
DRAWN BY: JWM
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

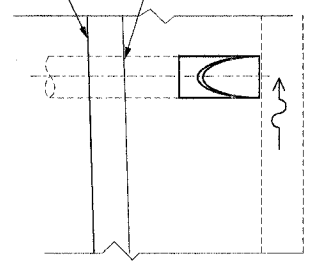
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	178
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS		FED. AID PROJECT	
*(0203.1 & 0304) R-6			CONTRACT # 62105	

STATION AND OFFSET TO POINT OF CONNECTION BETWEEN PIPE AND END SECTIONS
 INVERT ELEVATION CALLED OUT TO END OF SECTION



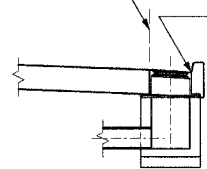
ELEVATION - FLARED END SECTION

EDGE OF SHOULDER
 BACK OF BARRIER



PLAN VIEW - FLARED END SECTION

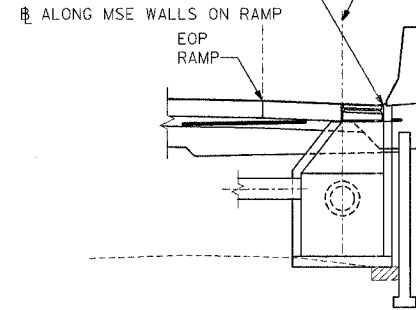
STATION AND OFFSET TO EDGE OF PAVEMENT FOR CURB AND GUTTER SECTIONS



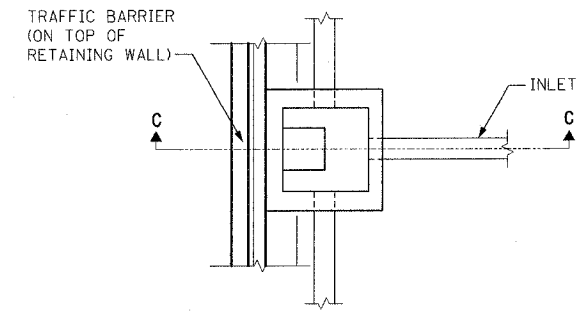
ELEVATION - INLET W/CURB & GUTTER

RIM ELEVATION CALLED OUT TO GUTTER FLOW LINE FOR CURB AND GUTTER SECTIONS

RIM ELEVATION CALLED OUT TO OUTSIDE EDGE OF RIM
 STATION AND OFFSET TO CENTER OF STRUCTURE FOR CATCH BASIN ALONG MSE WALLS ON RAMPS T, U, V, W
 B ALONG MSE WALLS ON RAMP
 EOP RAMP



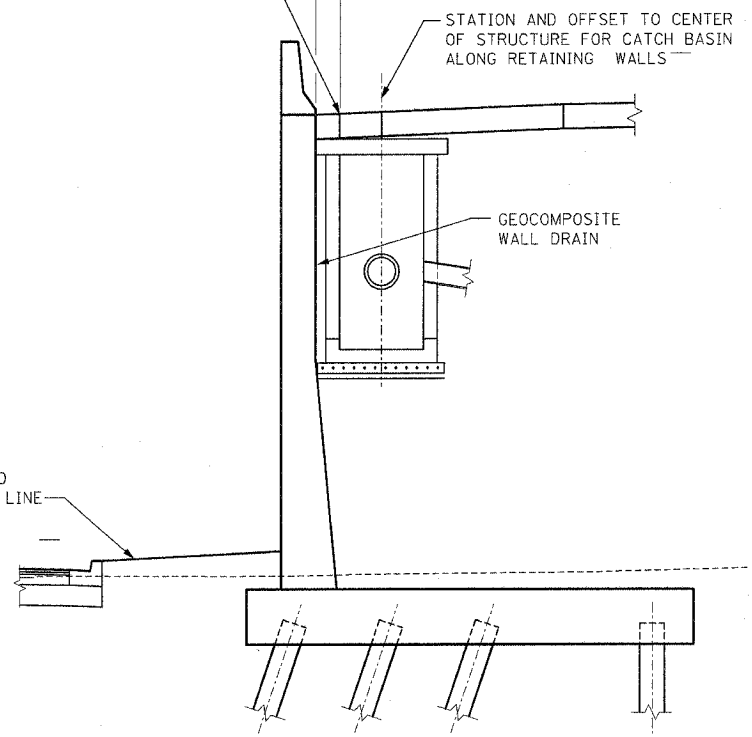
ELEVATION - CATCH BASINS ALONG MSE WALLS



PLAN

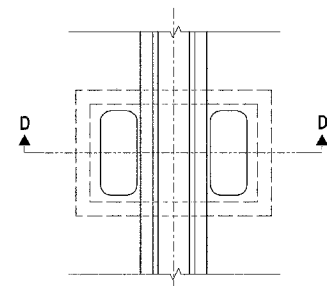
PLAN VIEW - CATCH BASINS ALONG RETAINING WALLS

RIM ELEVATION CALLED OUT TO OUTSIDE EDGE OF RIM



SECTION C-C

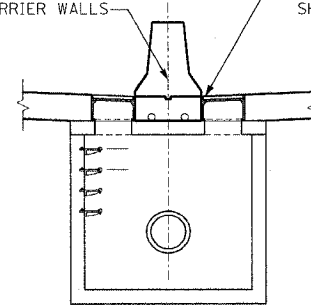
ELEVATION - CATCH BASIN ALONG RETAINING WALLS



PLAN

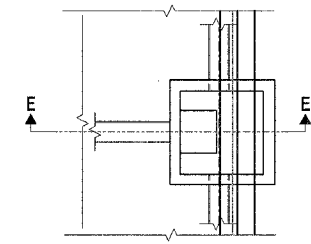
PLAN VIEW - DRAINAGE STRUCTURES UNDER BARRIER WALLS

STATION AND OFFSET TO CENTER OF STRUCTURE FOR DRAINAGE STRUCTURES UNDER BARRIER WALLS
 RIM ELEVATION CALLED OUT TO FLOW LINE AT EDGE OF SHOULDER



SECTION D-D

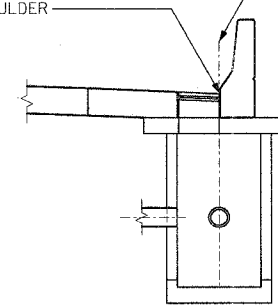
ELEVATION - DRAINAGE STRUCTURES UNDER BARRIER WALLS



PLAN

PLAN VIEW - CATCH BASINS AT BARRIER WALLS

RIM ELEVATION CALLED OUT TO FLOWLINE AT EDGE OF SHOULDER
 STATION AND OFFSET TO CENTER OF STRUCTURE FOR CATCH BASIN AT BARRIER WALLS



SECTION E-E

ELEVATION - CATCH BASINS AT BARRIERS WALLS

REVISIONS	
NAME	DATE

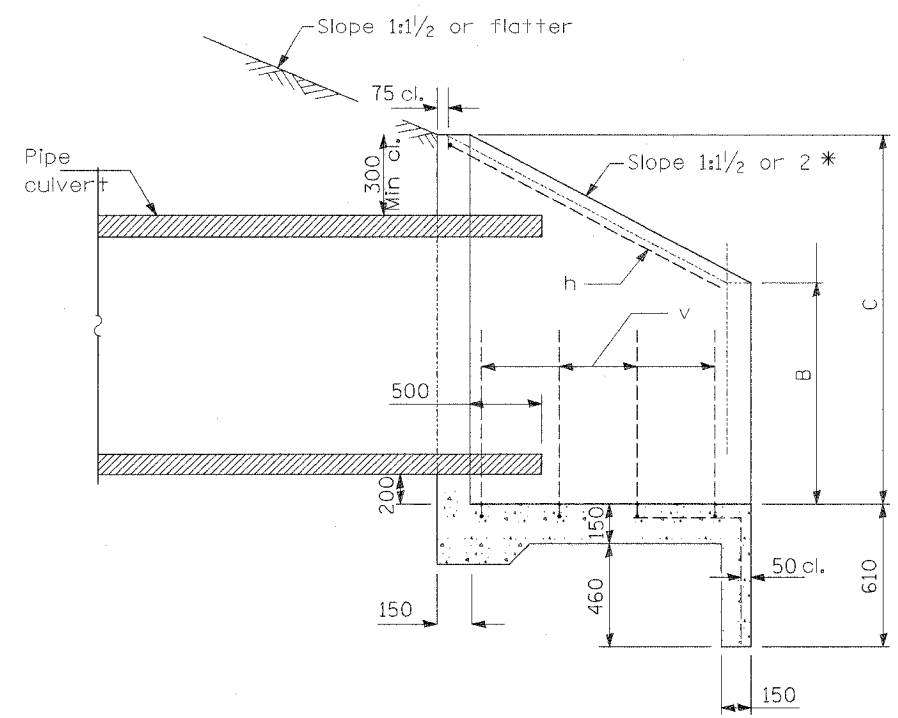
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
 IL ROUTE 83 RECONSTRUCTION
 COOK COUNTY

DRAINAGE DETAILS II
DRAINAGE STRUCTURE PLACEMENT

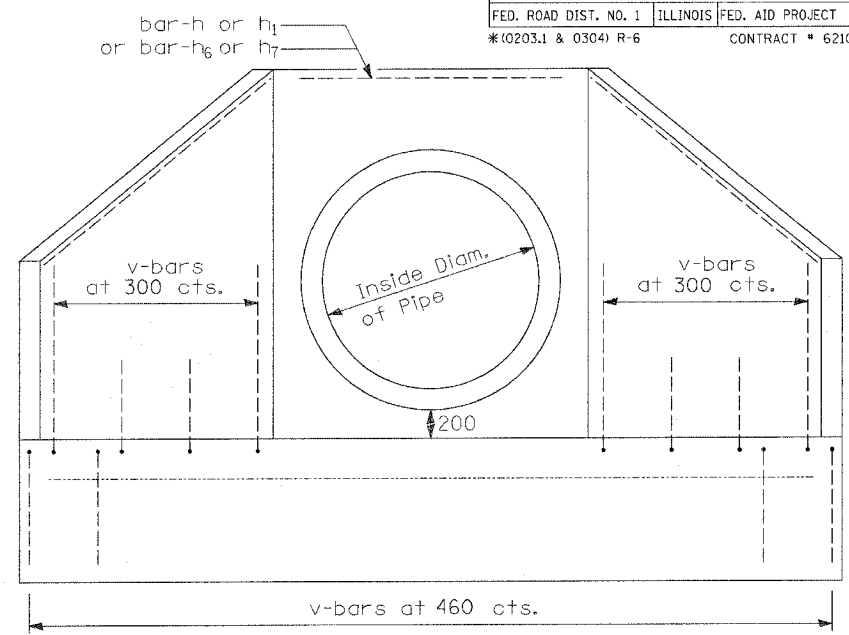
SCALE: DATE: 02/20/2004
 DRAWN BY: CHECKED BY:

TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	180
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
* (0203.1 & 0304) R-6			CONTRACT # 62105	



Mark	a	b
h	960	750
h ₁	960	980
h ₆	1.39 m	1.18 m
h ₇	1.39 m	1.50 m



END VIEW

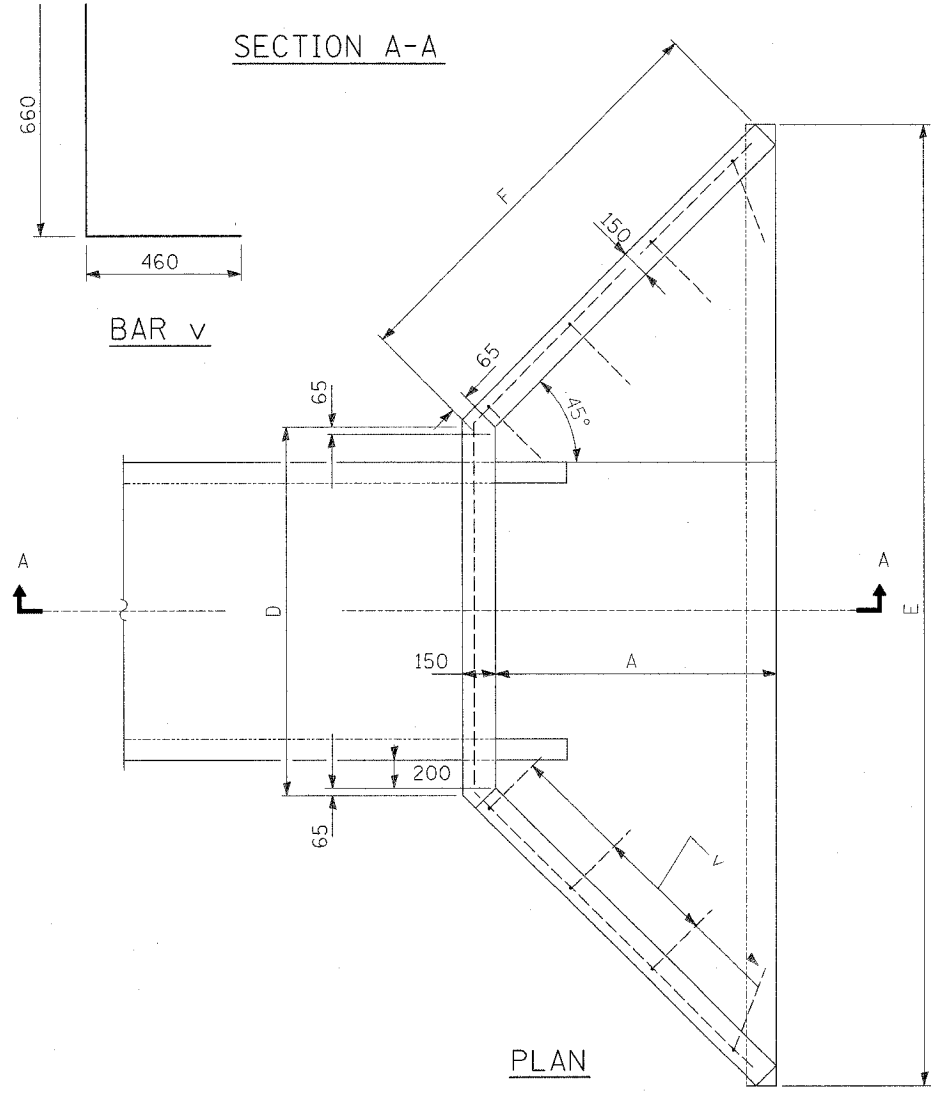


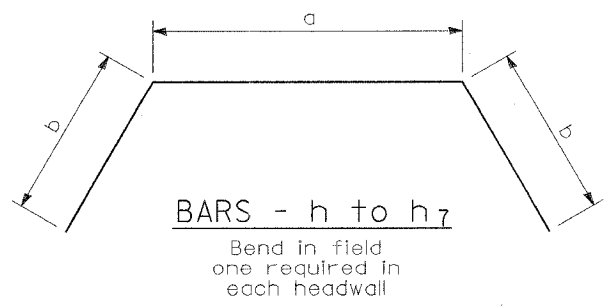
TABLE OF DIMENSIONS

DESIGN NO.	NOMINAL INSIDE DIAM. of PIPE	SLOPE of FILL	Dimensions						Estimated Concrete 2 End Secs m ³	Reinforcement Bars - No. 15			
			A	B	C	D	E	F		h-Bars Mark	Length	v-bars No.	Total Wt. 2 End Secs kg
D375-1/2	375	1:1/2	485	517	847	1.01 m	2.07 m	750	0.8	h	2.46 m	16	36
D375-2	375	1:2	660	517	847	1.01 m	2.42 m	1.0 m	1.0	h ₁	2.92 m	22	48
D750-1/2	750	1:1/2	770	769	1,279 m	1.45 m	3.08 m	1.15 m	1.6	h ₆	3.75 m	28	60
D750-2	750	1:2	1.01 m	769	1,279 m	1.45 m	3.57 m	1.5 m	2.1	h ₇	4.39 m	34	71

* If embankment slope above headwall is flatter than 1:2, provide wings for 1:2 slope.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
All dimensions are in millimeters unless otherwise shown.

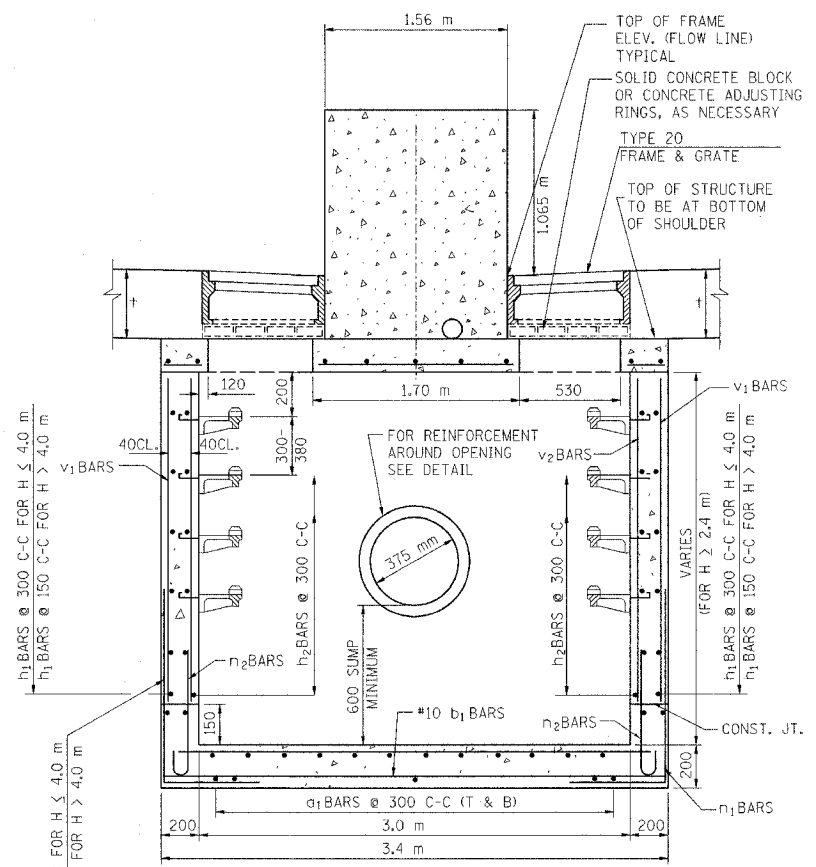
See drainage schedule sheet DU-11 for locations of concrete headwalls
DD-4



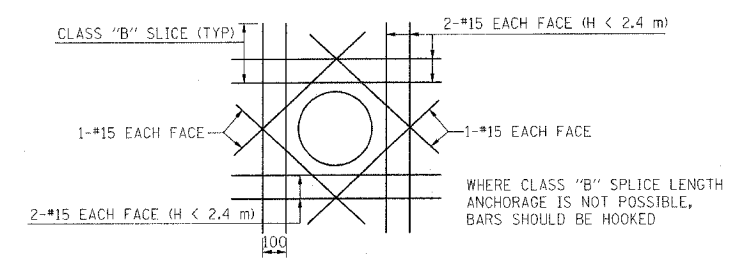
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		DRAINAGE DETAILS IV CONCRETE HEADWALL DATE: JULY 18, 2005 DRAWN BY: RCH CHECKED BY: RCH McDonough Associates Inc. Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	180A
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(0203.1 & 0304) R-6		CONTRACT # 62105		

NOTE:
"4" IS THE SHOULDER THICKNESS AS SHOWN ON THE PLANS

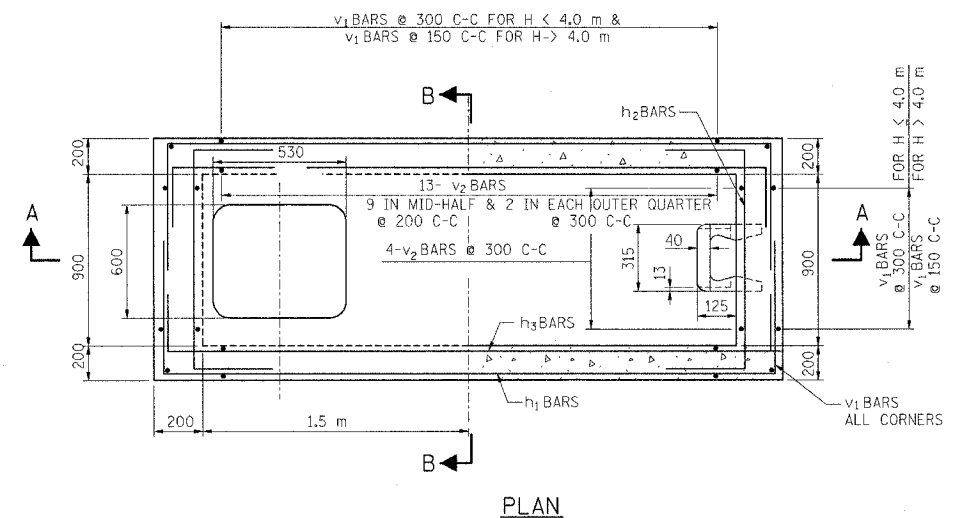


CATCH BASIN 3.0m x 0.9m WITH 2 TYPE 20 F & G

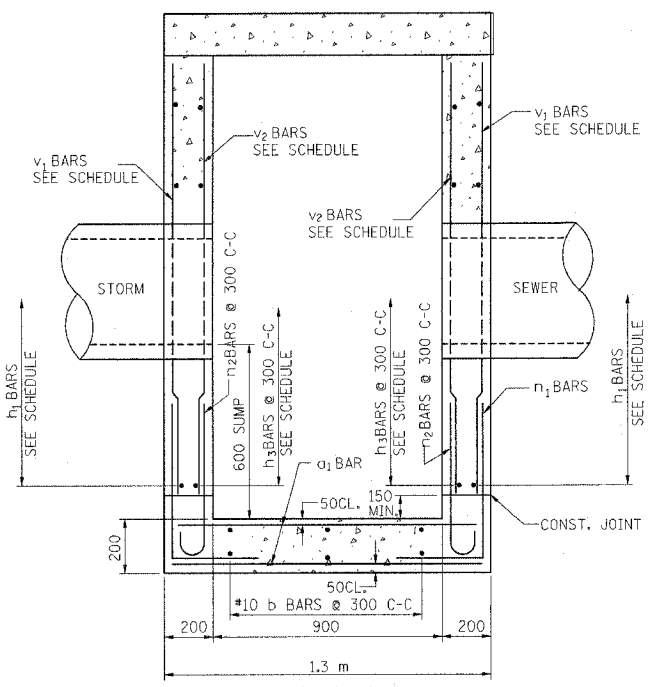


TYPICAL REINFORCEMENT DETAIL AROUND OPENINGS
(OPENING > 300)

SECTION A-A
SIDE ELEVATION (LOOKING EAST)



PLAN



SECTION B-B
FRONT ELEVATION

NOTES:

1. DRAINAGE STRUCTURES SHALL CONFORM TO I.D.O.T. STANDARD 602101 EXCEPT AS NOTED.
2. SEE STANDARD 602701 FOR DETAILS OF CAST IRON STEPS.
3. WHEN H > 4.9 m, THE THICKNESS OF WALLS AND BASE SLAB SHALL BE INCREASED TO 230.
4. ALL STORM SEWER OPENINGS WILL BE CENTERED ON FACE OF WALL THAT PIPE IS ENTERING.
5. FOR LOCATIONS AND ELEVATIONS FOR ALL STORM SEWER CONNECTIONS REFER TO PLAN SCHEDULES.
6. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE SHOP DRAWINGS FOR PIPE OPENINGS FOR PIPES ENTERING AT OTHER THAN 90°. FOR BASIS OF PAYMENT REFER TO SPECIAL PROVISIONS.
7. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED.
8. WHERE THE ADJACENT SHOULDER OR PAVEMENT THICKNESS EXCEEDS THAT OF THE NEW FRAME, THE CONTRACTOR SHALL INSTALL THE CATCH BASIN LID FLUSH OR LOWER THAN THE BOTTOM OF THE ADJACENT SHOULDER OR PAVEMENT AND ADJUST THE FRAME AND LID IN ACCORDANCE WITH APPLICABLE PORTIONS OF SECTION 503 OF THE STANDARD SPECIFICATIONS.
9. IN ADDITION TO THE REQUIREMENTS OF ARTICLE 602.15 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR THE DRAINAGE STRUCTURE SHALL INCLUDE THE SAND CUSHION, ADJUSTING RINGS WHEN REQUIRED AND FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL.

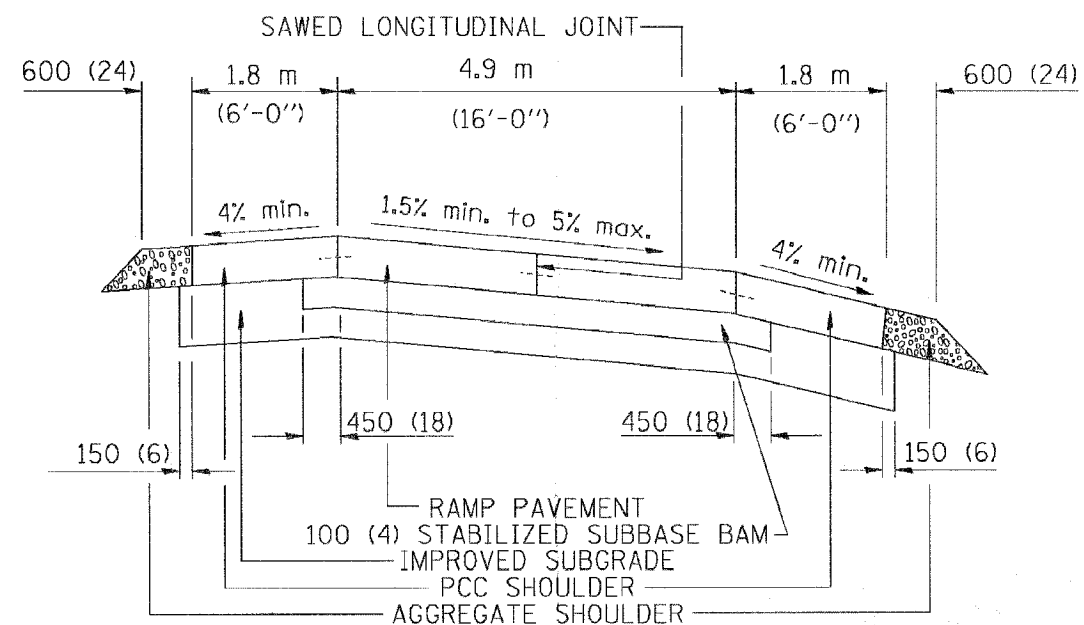
DD-5

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294) DRAINAGE DETAILS V DRAINAGE STRUCTURES, 3.0M BY 0.9M, SPECIAL WITH TWO TYPE 20 FRAME AND GRATES SHEET 1 OF 2
NAME	DATE	

DATE: JULY 18, 2005
DRAWN BY: JWM
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

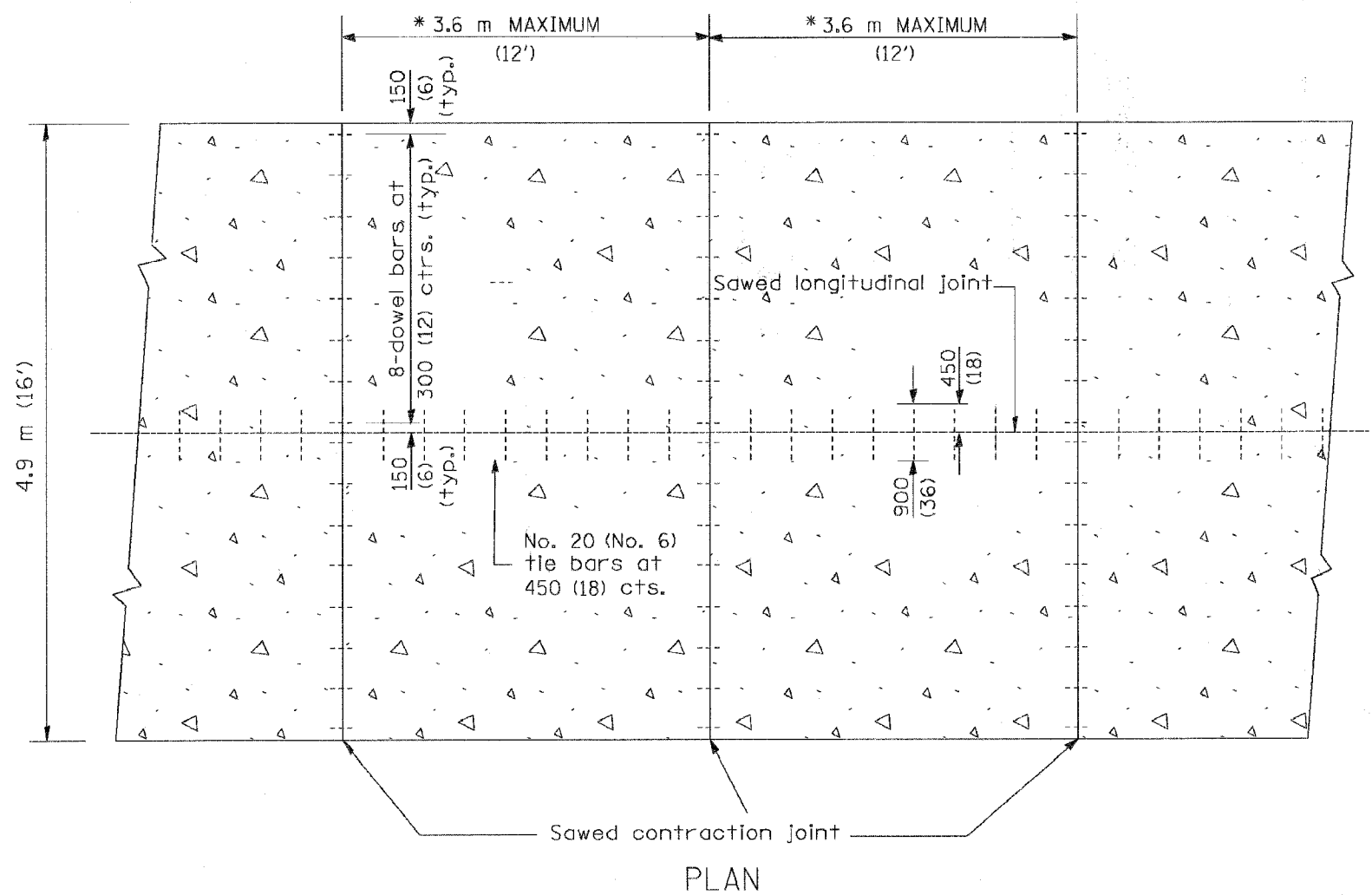
F. & L. SEC.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94 *		COOK	231	181
STA.	TO STA.		FED. AID PROJECT	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
*(0203.1 & 0304) R-6			CONTRACT # 62105	



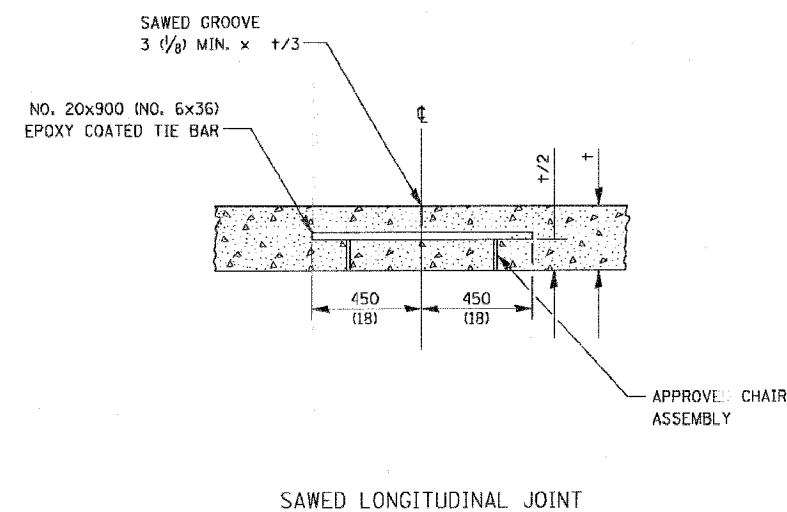
SECTION

NOTES:

- CENTERLINE JOINT REMAINS IN THE CENTER WHEN RAMP TRANSITIONS TO TWO (2) RAMPS AT 3.6 m (12').
- ALL BARS TO BE EPOXY COATED.



PLAN



SAWED LONGITUDINAL JOINT

DS-1

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED

ILLINOIS DEPARTMENT OF TRANSPORTATION

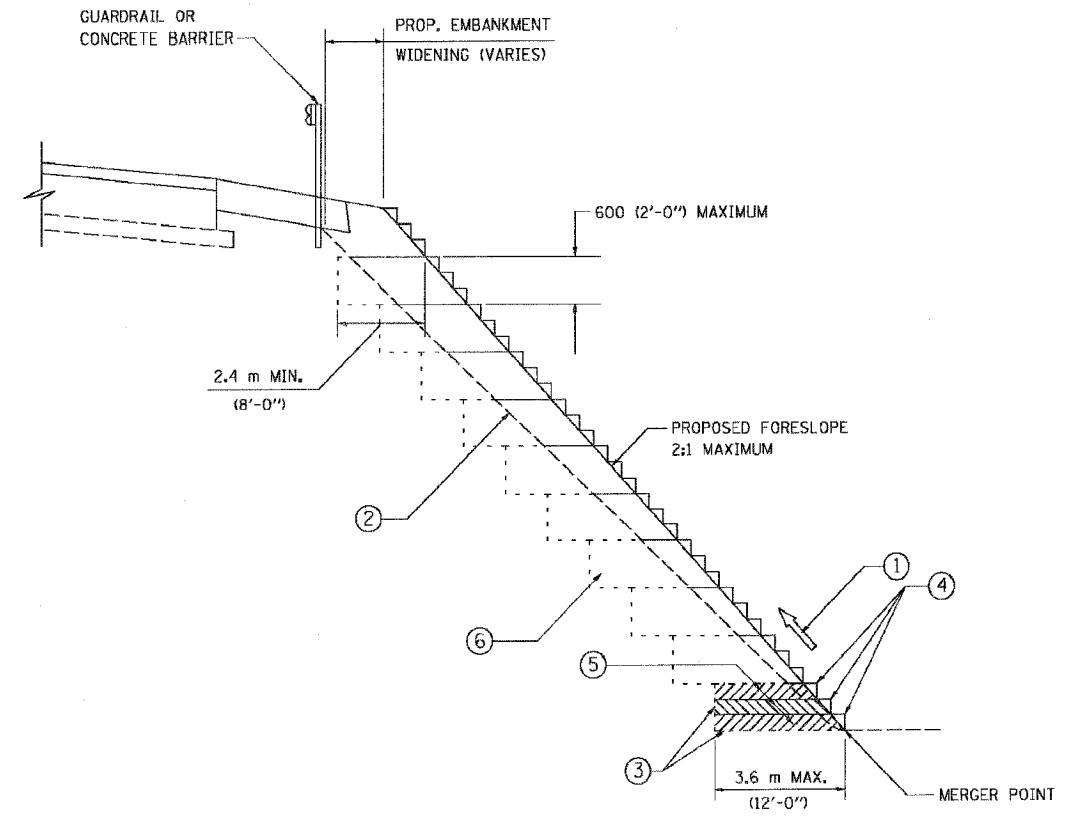
**DETAIL FOR CENTERLINE SAWCUT
4.9 m (16') AND VARIABLE
JOINTED PCC PAVEMENT
FOR RAMPS**

REVISIONS	
NAME	DATE

SCALE: NONE
DATE 10/18/2002

DRAWN BY: TOM MATOUSEK
CHECKED BY: A. ABBAS
BD49

REVISION DATE:



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.04 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 200 (8-INCH) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.06 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION (SPECIAL)". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DS-2

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION

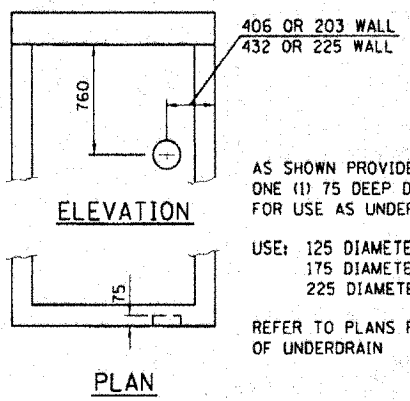
BENCHING DETAIL
FOR EMBANKMENT
WIDENING

REVISIONS	
NAME	DATE

SCALE: NONE
DATE 10/18/2002
DRAWN BY: CADD
CHECKED BY: S.E.B.
BD-51

REVISION DATE:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94		COOK	231	183
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
#0203.1 & 03041 R-6	CONTRACT # 62105			



406 OR 203 WALL
432 OR 225 WALL

AS SHOWN PROVIDE ON EACH FACE ONE (1) 75 DEEP DEPRESSION FOR USE AS UNDERDRAIN CONNECTIONS.

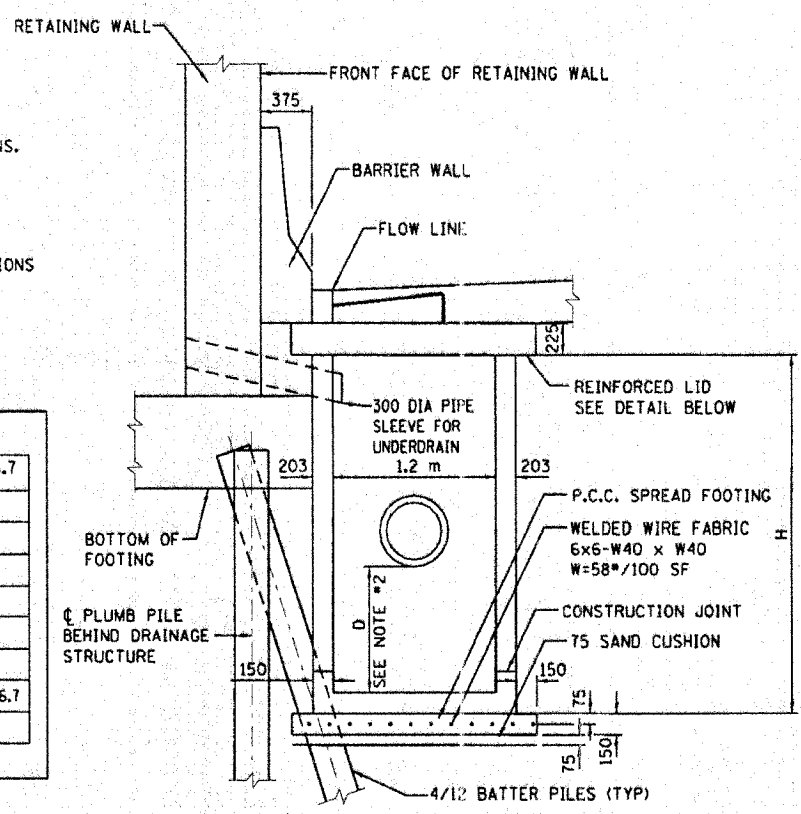
USE: 125 DIAMETER FOR 100 P.U.
175 DIAMETER FOR 150 P.U.
225 DIAMETER FOR 200 P.U.

REFER TO PLANS FOR SIZE & LOCATIONS OF UNDERDRAIN

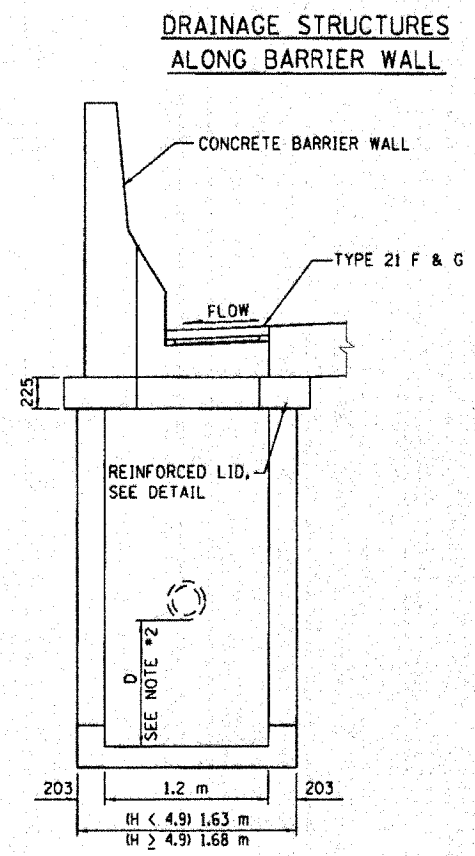
PIPE UNDERDRAIN CONNECTION DETAIL

		H	2.4-3.0 m	3.0-3.6 m	3.6-4.2 m	4.2-5.5 m	5.5-6.7 m
HORIZONTAL BARS IN WALLS	BAR SIZE		15	15	20	20	20
	SPACING		300	300	300	300	300
VERTICAL BARS IN WALLS	BAR SIZE		15	15	15	15	15
	SPACING		300	300	300	300	300
BARS IN BASE SLAB	BAR SIZE		15	15	15	15	15
	SPACING		300	300	300	300	300
		H	<3.0	>3.0 <3.6	>3.6 <4.2	>4.2 <5.5	>5.5 <6.7

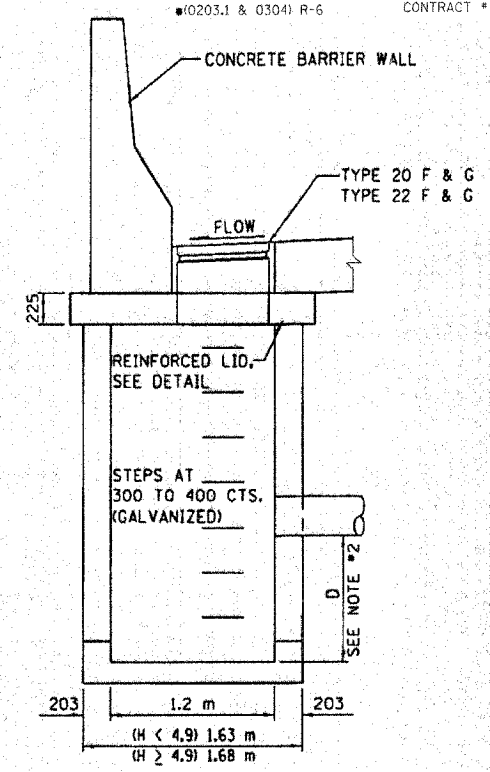
NOTE: PLACE REINFORCEMENT PER STANDARD 602101



CATCH BASIN ALONG RETAINING WALLS



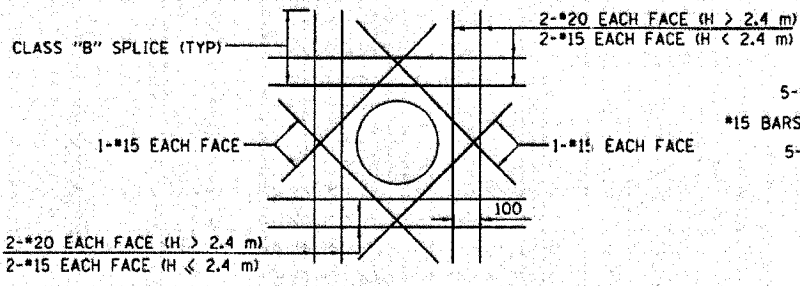
1.2x0.9 WITH ONE TYPE 21 F&G



**CATCH BASIN 1.2x0.9
CATCH BASIN 1.2x1.5**

NOTES:

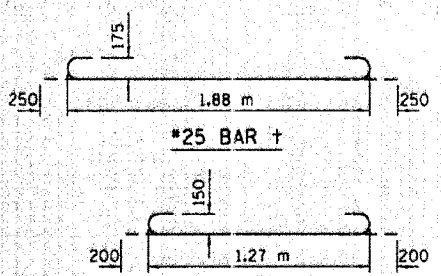
- DRAINAGE STRUCTURE SHALL CONFORM TO I.D.O.T. STANDARD 602101 EXCEPT AS NOTED.
- D = 0 m FOR INLETS
D = 900 FOR C.B.'S.
- WHEN H ≥ 4.9m, THICKNESS OF WALL AND BASE SLAB SHALL BE INCREASED TO 225.
- SAND CUSHION SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1003.01 (FA1 OR FA2).
- THE FOOTING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE DRAINAGE STRUCTURE.
- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED.
- SEE STANDARD 602701 FOR DETAILS OF STEPS.
- WHERE THE ADJACENT SHOULDER OR PAVEMENT THICKNESS EXCEEDS THAT OF THE NEW FRAME, THE CONTRACTOR SHALL INSTALL THE CATCH BASIN LID FLUSH OR LOWER THAN THE BOTTOM OF THE ADJACENT SHOULDER OR PAVEMENT AND ADJUST THE FRAME AND LID IN ACCORDANCE WITH APPLICABLE PORTIONS OF SECTION 503 OF THE STANDARD SPECIFICATIONS.
- IN ADDITION TO THE REQUIREMENTS OF ARTICLE 602.15 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR THE DRAINAGE STRUCTURE SHALL INCLUDE THE SAND CUSHION, ADJUSTING RINGS WHEN REQUIRED AND FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL.



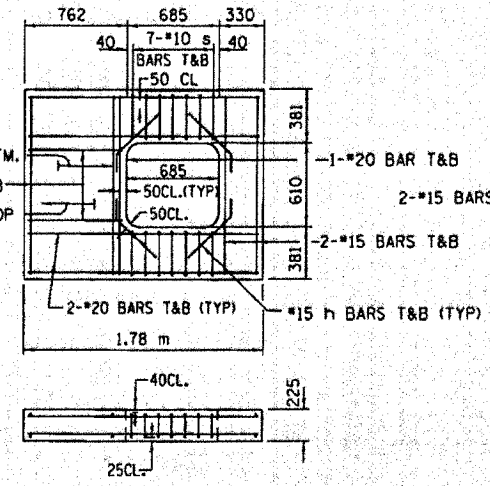
TYPICAL REINFORCEMENT DETAIL AROUND OPENINGS

(OPENING ≥ 300)

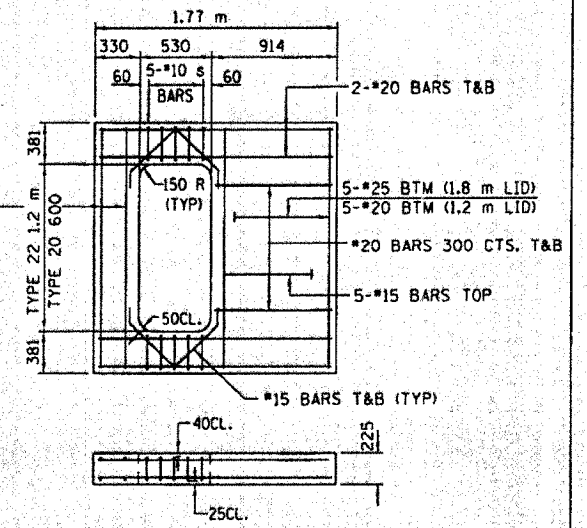
WHERE CLASS "B" SPLICE LENGTH ANCHORAGE IS NOT POSSIBLE, BARS SHOULD BE HOOKED.



BAR DETAILS



REINFORCED LID FOR TYPE 21 F&G



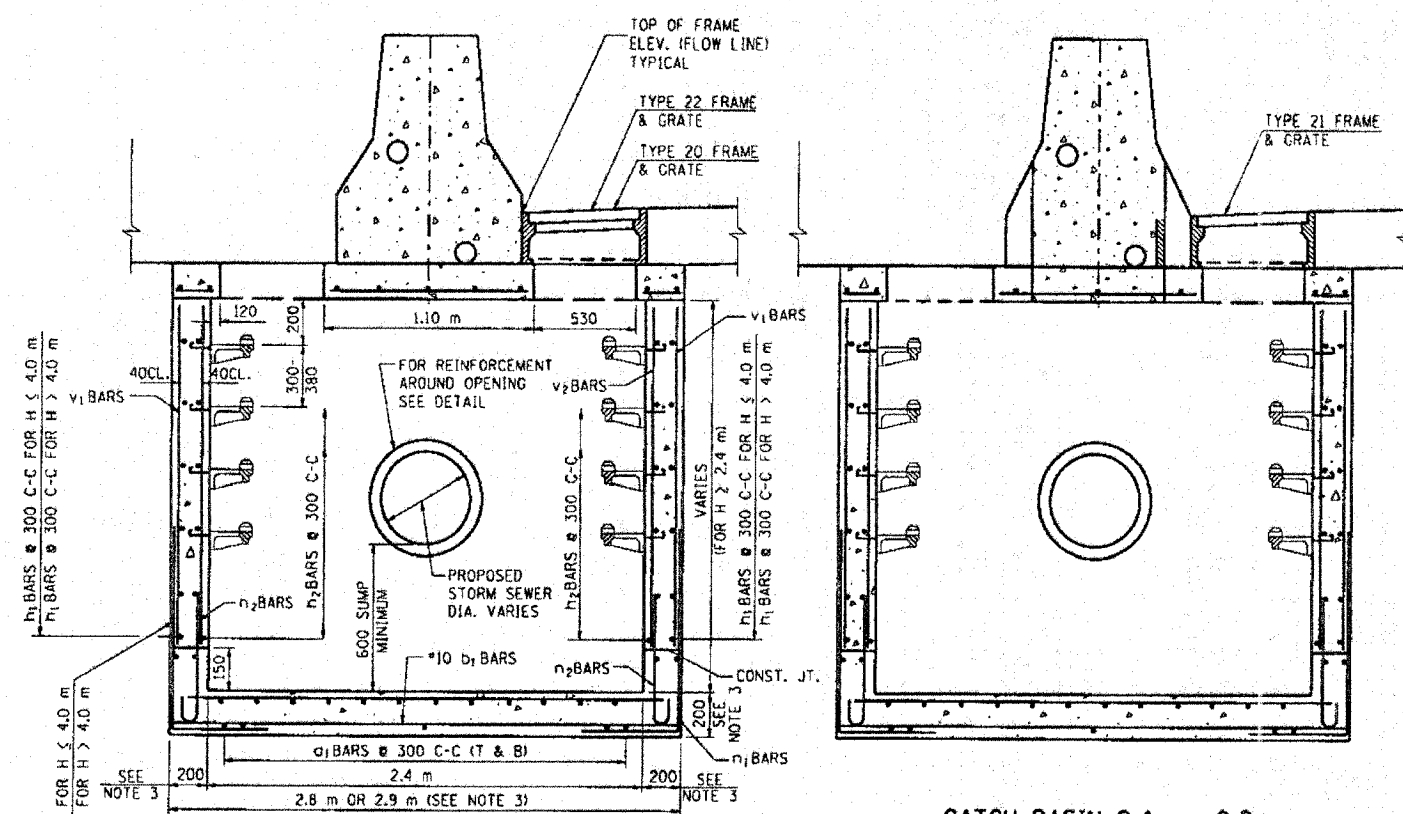
REINFORCED LID FOR TYPE 20 AND 22 F&G

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
NAME	DATE	
ACE	02/04	CATCH BASIN AND INLET 1.2 x 0.9 AND 1.2 x 1.5 FOR H > 2.4 SCALE NONE DATE 09/03 DRAWN BY ACE/CAD CHECKED BY

CS-B (METRIC)
REVISION DATE:

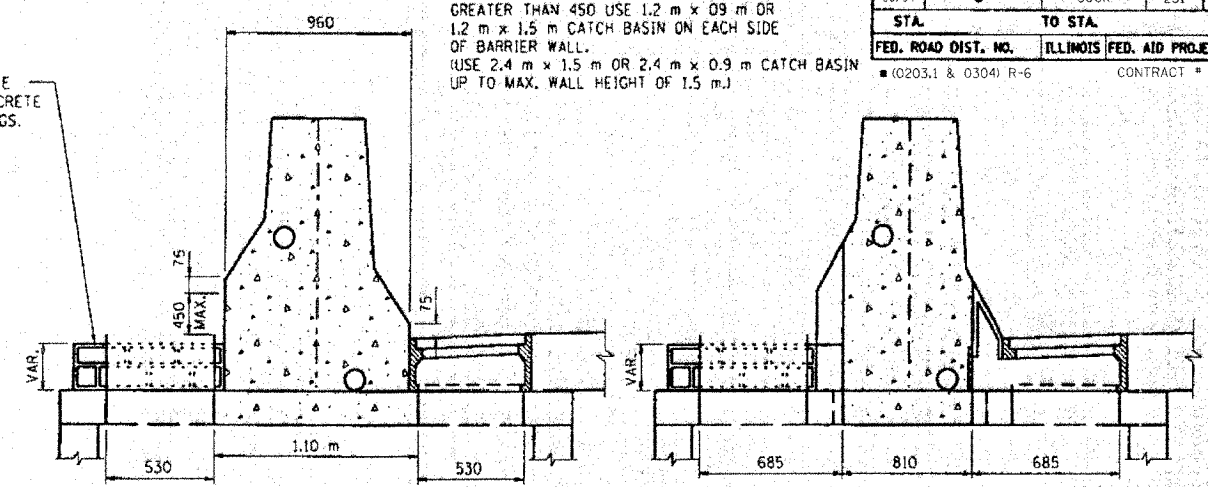
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	•	COOK	231	184
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		• (0203.1 & 0304) R-6	
			CONTRACT # 62105	

NOTE: DIFFERENTIAL P.G.L. ELEVATION GREATER THAN 450 USE 1.2 m x 0.9 m OR 1.2 m x 1.5 m CATCH BASIN ON EACH SIDE OF BARRIER WALL. (USE 2.4 m x 1.5 m OR 2.4 m x 0.9 m CATCH BASIN UP TO MAX. WALL HEIGHT OF 1.5 m.)



CATCH BASIN 2.4m x 1.5m (TYPE 22 F & G)
CATCH BASIN 2.4m x 0.9m (TYPE 20 F & G)

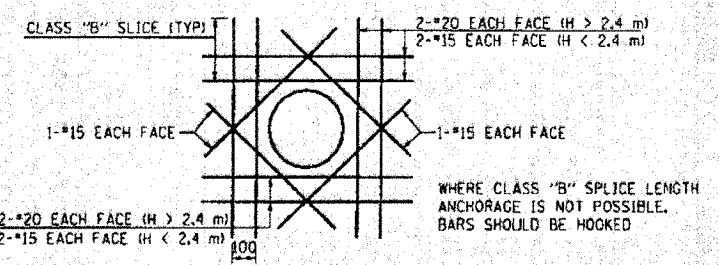
SECTION A-A
SIDE ELEVATION
CATCH BASIN 2.4m x 0.9m (TYPE 21 F & G)



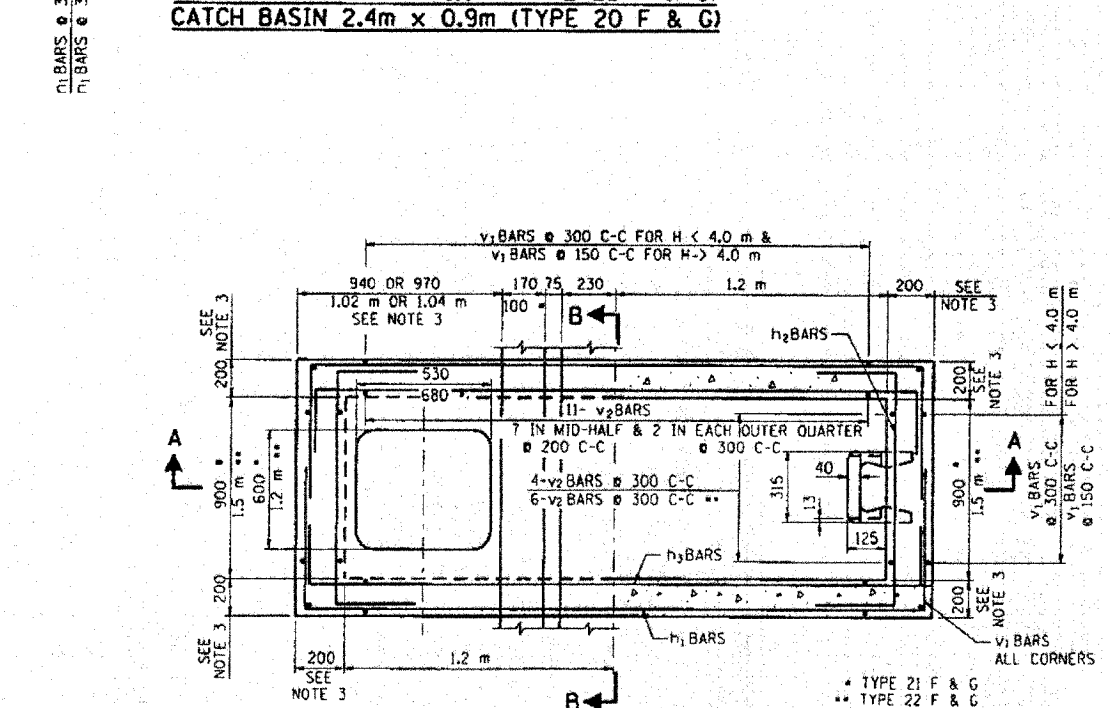
TYPE 22 F & G
TYPE 20 F & G

TYPE 21 F & G

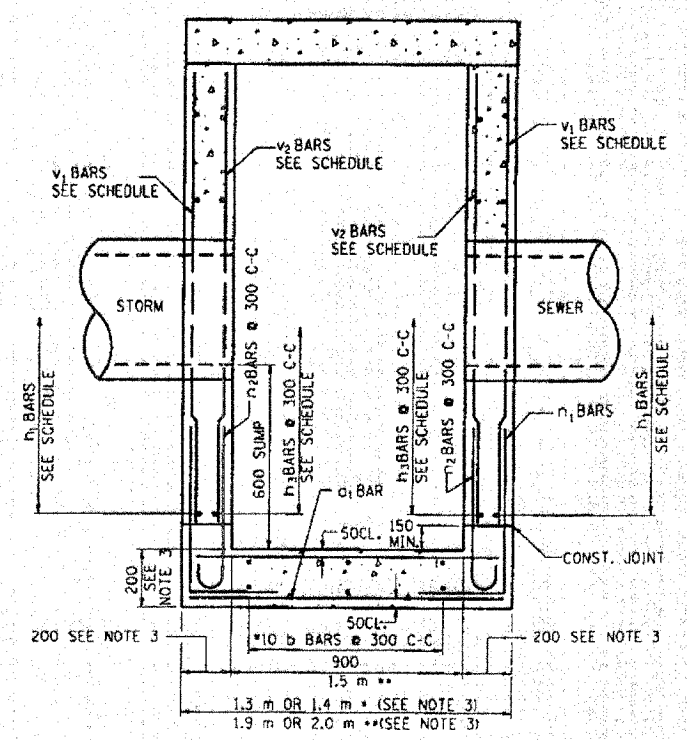
DIFFERENTIAL P.G.L.
SIDE ELEVATION



TYPICAL REINFORCEMENT DETAIL AROUND OPENINGS
(OPENING > 300)



PLAN



SECTION B-B
FRONT ELEVATION

NOTES:

- DRAINAGE STRUCTURES SHALL CONFORM TO I.D.O.T. STANDARD 602101 EXCEPT AS NOTED.
- SEE STANDARD 602701 FOR DETAILS OF CAST IRON STEPS.
- WHEN H > 4.9 m, THE THICKNESS OF WALLS AND BASE SLAB SHALL BE INCREASED TO 230.
- ALL STORM SEWER OPENINGS WILL BE CENTERED ON FACE OF WALL THAT PIPE IS ENTERING.
- FOR LOCATIONS AND ELEVATIONS FOR ALL STORM SEWER CONNECTIONS REFER TO PLAN SCHEDULES.
- THE CONTRACTOR WILL BE REQUIRED TO PROVIDE SHOP DRAWINGS FOR PIPE OPENINGS FOR PIPES ENTERING AT OTHER THAN 90°. FOR BASIS OF PAYMENT REFER TO SPECIAL PROVISIONS.
- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED.
- WHERE THE ADJACENT SHOULDER OR PAVEMENT THICKNESS EXCEEDS THAT OF THE NEW FRAME, THE CONTRACTOR SHALL INSTALL THE CATCH BASIN LID FLUSH OR LOWER THAN THE BOTTOM OF THE ADJACENT SHOULDER OR PAVEMENT AND ADJUST THE FRAME AND LID IN ACCORDANCE WITH APPLICABLE PORTIONS OF SECTION 503 OF THE STANDARD SPECIFICATIONS.
- IN ADDITION TO THE REQUIREMENTS OF ARTICLE 602.15 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR THE DRAINAGE STRUCTURE SHALL INCLUDE THE SAND CUSHION, ADJUSTING RINGS WHEN REQUIRED AND FURNISH AND COMPACTING THE SPECIFIED BACKFILL MATERIAL.

REVISIONS	
NAME	DATE
ACE	02/04

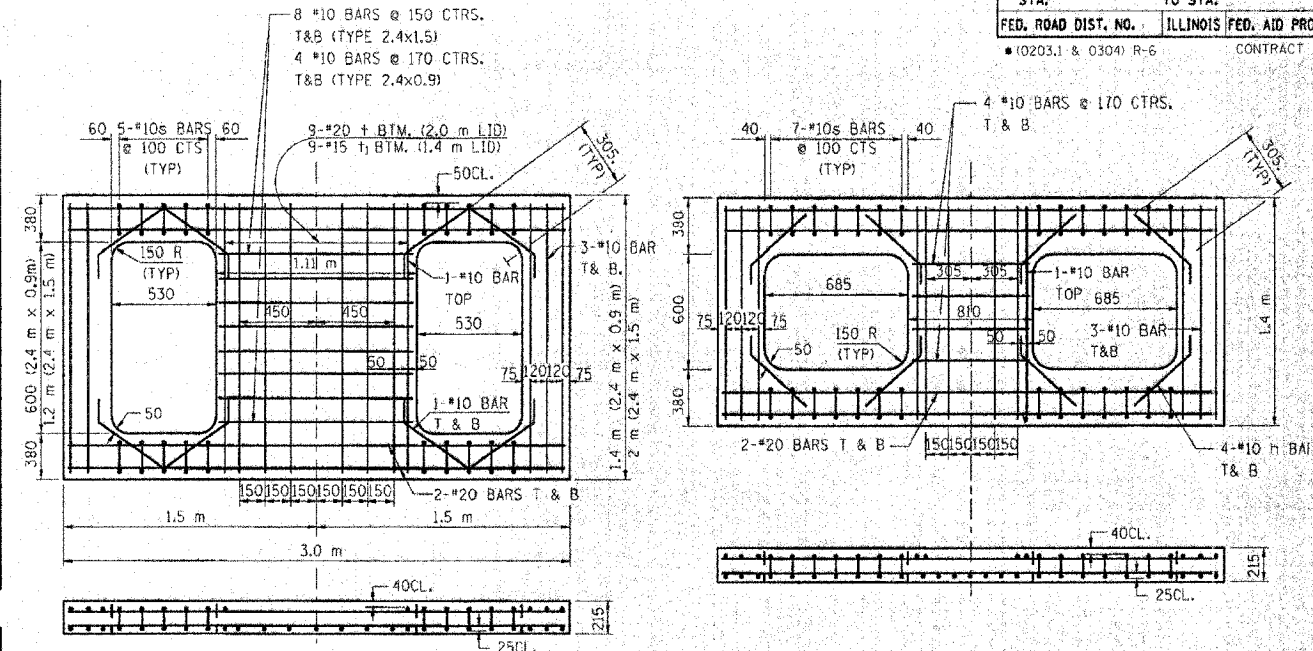
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)

DRAINAGE STRUCTURES
CATCH BASINS 2.4mx0.9m & 2.4mx1.5m
FOR DEPTHS WHERE H > 2.4m

SHEET 1 OF 2
SCALE NONE
DATE 09/03
DRAWN BY ACE/CAD
CHECKED BY

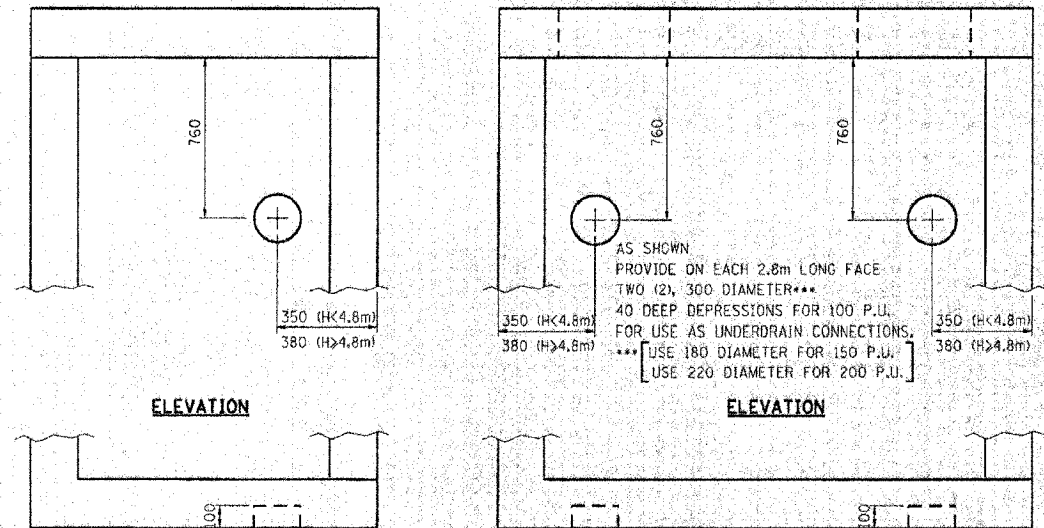
DRAINAGE STRUCTURE TYPE 2.4mx0.9m																												
TYPE	H METERS	REINFORCEMENT BARS SCHEDULE																										
		a ₁ BARS		b ₁ BARS		h ₁ BARS		h ₂ BARS		h ₃ BARS		n ₁ BARS		n ₂ BARS		v ₁ BARS		v ₂ BARS										
		SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH						
1	>2.4	*15	16	1.2 m	*10	8	2.72 m	*15	16	4.38 m	*15	16	1.8 m	*15	16	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	2.2 m	*10	30	2.2 m
2	2.6	*15	16	1.2 m	*10	8	2.72 m	*15	18	4.38 m	*15	18	1.8 m	*15	18	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	2.4 m	*10	30	2.4 m
3	2.7	*15	16	1.2 m	*10	8	2.72 m	*15	18	4.38 m	*15	18	1.8 m	*15	18	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	2.5 m	*10	30	2.5 m
4	2.9	*15	16	1.2 m	*10	8	2.72 m	*15	20	4.38 m	*15	20	1.8 m	*15	20	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	2.7 m	*10	30	2.7 m
5	3.0	*15	16	1.2 m	*10	8	2.72 m	*15	20	4.38 m	*15	20	1.8 m	*15	20	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	2.8 m	*10	30	2.8 m
6	3.2	*15	16	1.2 m	*10	8	2.72 m	*15	22	4.38 m	*15	22	1.8 m	*15	22	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	2.9 m	*10	30	2.9 m
7	3.4	*15	16	1.2 m	*10	8	2.72 m	*15	22	4.38 m	*15	22	1.8 m	*15	22	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	3.1 m	*10	30	3.1 m
8	3.5	*15	16	1.2 m	*10	8	2.72 m	*15	24	4.38 m	*15	24	1.8 m	*15	24	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	3.2 m	*10	30	3.2 m
9	3.7	*15	16	1.2 m	*10	8	2.72 m	*15	24	4.38 m	*15	24	1.8 m	*15	24	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	3.4 m	*10	30	3.4 m
10	3.8	*15	16	1.2 m	*10	8	2.72 m	*15	26	4.38 m	*15	26	1.8 m	*15	26	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	3.6 m	*10	30	3.6 m
11	4.0	*15	16	1.2 m	*10	8	2.72 m	*15	26	4.38 m	*15	26	1.8 m	*15	26	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	3.7 m	*10	30	3.7 m
12	4.1	*15	16	1.2 m	*10	8	2.72 m	*15	28	4.38 m	*15	28	1.8 m	*15	28	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	3.9 m	*10	30	3.9 m
13	4.3	*15	16	1.2 m	*10	8	2.72 m	*15	28	4.38 m	*15	28	1.8 m	*15	28	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	4.0 m	*10	30	4.0 m
14	4.8	*15	16	1.2 m	*10	8	2.72 m	*15	32	4.38 m	*15	32	1.8 m	*15	32	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	4.6 m	*10	30	4.6 m
15	5.5	*15	16	1.2 m	*10	8	2.72 m	*15	36	4.38 m	*15	36	1.8 m	*15	36	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	5.3 m	*10	30	5.3 m
16	6.0	*15	16	1.2 m	*10	8	2.72 m	*15	40	4.38 m	*15	40	1.8 m	*15	40	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	6.0 m	*10	30	6.0 m
17	6.7	*15	16	1.2 m	*10	8	2.72 m	*15	44	4.38 m	*15	44	1.8 m	*15	44	3.3 m	*15	30	1.52 m	*10	30	1.09 m	*15	30	6.7 m	*10	30	6.7 m

DRAINAGE STRUCTURE TYPE 2.4mx1.5m																												
TYPE	H METERS	REINFORCEMENT BARS SCHEDULE																										
		a ₁ BARS		b ₁ BARS		h ₁ BARS		h ₂ BARS		h ₃ BARS		n ₁ BARS		n ₂ BARS		v ₁ BARS		v ₂ BARS										
		SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH			
1	>2.4	*15	16	1.8 m	*10	12	2.72 m	*15	16	4.9 m	*15	16	2.4 m	*15	16	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	2.2 m	*10	34	2.2 m
2	2.6	*15	16	1.8 m	*10	12	2.72 m	*15	18	4.9 m	*15	18	2.4 m	*15	18	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	2.4 m	*10	34	2.4 m
3	2.7	*15	16	1.8 m	*10	12	2.72 m	*15	18	4.9 m	*15	18	2.4 m	*15	18	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	2.5 m	*10	34	2.5 m
4	2.9	*15	16	1.8 m	*10	12	2.72 m	*15	20	4.9 m	*15	20	2.4 m	*15	20	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	2.7 m	*10	34	2.7 m
5	3.0	*15	16	1.8 m	*10	12	2.72 m	*15	20	4.9 m	*15	20	2.4 m	*15	20	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	2.8 m	*10	34	2.8 m
6	3.2	*15	16	1.8 m	*10	12	2.72 m	*15	22	4.9 m	*15	22	2.4 m	*15	22	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	2.9 m	*10	34	2.9 m
7	3.4	*15	16	1.8 m	*10	12	2.72 m	*15	22	4.9 m	*15	22	2.4 m	*15	22	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	3.1 m	*10	34	3.1 m
8	3.5	*15	16	1.8 m	*10	12	2.72 m	*15	24	4.9 m	*15	24	2.4 m	*15	24	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	3.2 m	*10	34	3.2 m
9	3.7	*15	16	1.8 m	*10	12	2.72 m	*15	24	4.9 m	*15	24	2.4 m	*15	24	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	3.4 m	*10	34	3.4 m
10	3.8	*15	16	1.8 m	*10	12	2.72 m	*15	26	4.9 m	*15	26	2.4 m	*15	26	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	3.6 m	*10	34	3.6 m
11	4.0	*15	16	1.8 m	*10	12	2.72 m	*15	26	4.9 m	*15	26	2.4 m	*15	26	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	3.7 m	*10	34	3.7 m
12	4.1	*15	16	1.8 m	*10	12	2.72 m	*15	28	4.9 m	*15	28	2.4 m	*15	28	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	3.9 m	*10	34	3.9 m
13	4.3	*15	16	1.8 m	*10	12	2.72 m	*15	28	4.9 m	*15	28	2.4 m	*15	28	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	4.0 m	*10	34	4.0 m
14	4.8	*15	16	1.8 m	*10	12	2.72 m	*15	32	4.9 m	*15	32	2.4 m	*15	32	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	4.6 m	*10	34	4.6 m
15	5.5	*15	16	1.8 m	*10	12	2.72 m	*15	36	4.9 m	*15	36	2.4 m	*15	36	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	5.3 m	*10	34	5.3 m
16	6.0	*15	16	1.8 m	*10	12	2.72 m	*15	40	4.9 m	*15	40	2.4 m	*15	40	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	6.0 m	*10	34	6.0 m
17	6.7	*15	16	1.8 m	*10	12	2.72 m	*15	44	4.9 m	*15	44	2.4 m	*15	44	3.3 m	*15	34	1.52 m	*10	34	1.09 m	*15	34	6.7 m	*10	34	6.7 m



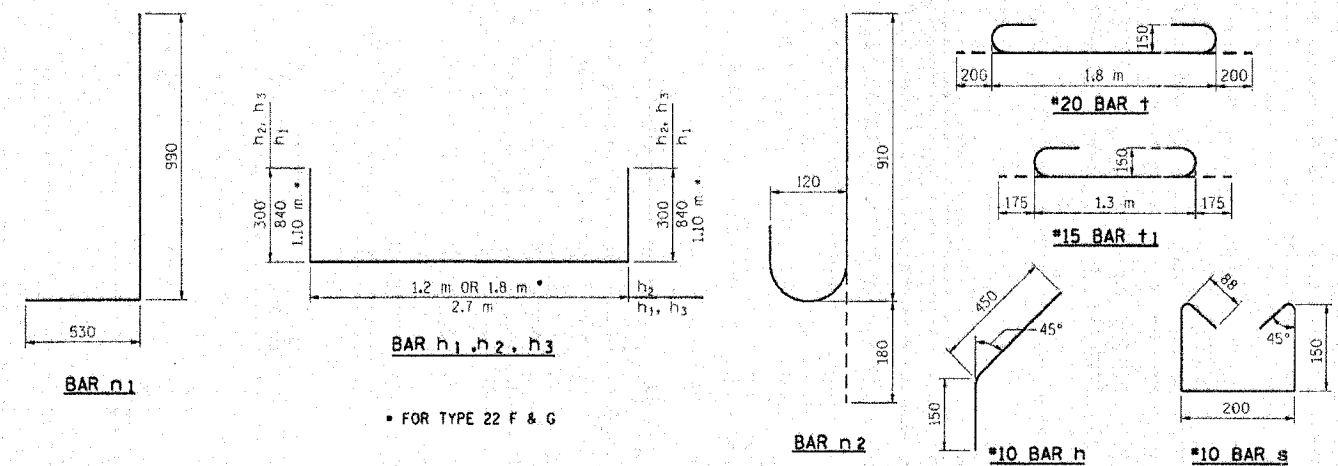
REINFORCED LID FOR TYPE 20 & 22 FRAME & GRATE

REINFORCED LID FOR TYPE 21 FRAME & GRATE (FOR USE IN SAG AREAS)



AS SHOWN PROVIDE ON EACH FACE ONE (1), 100 DEPRESSION FOR USE AS UNDERDRAIN CONNECTIONS. USE 120 DIAMETER FOR 100 P.U. 180 DIAMETER FOR 150 P.U. 220 DIAMETER FOR 200 P.U. REFER TO PLANS FOR SIZE & LOCATION OF PIPE UNDERDRAINS.

PIPE UNDERDRAIN CONNECTION DETAIL



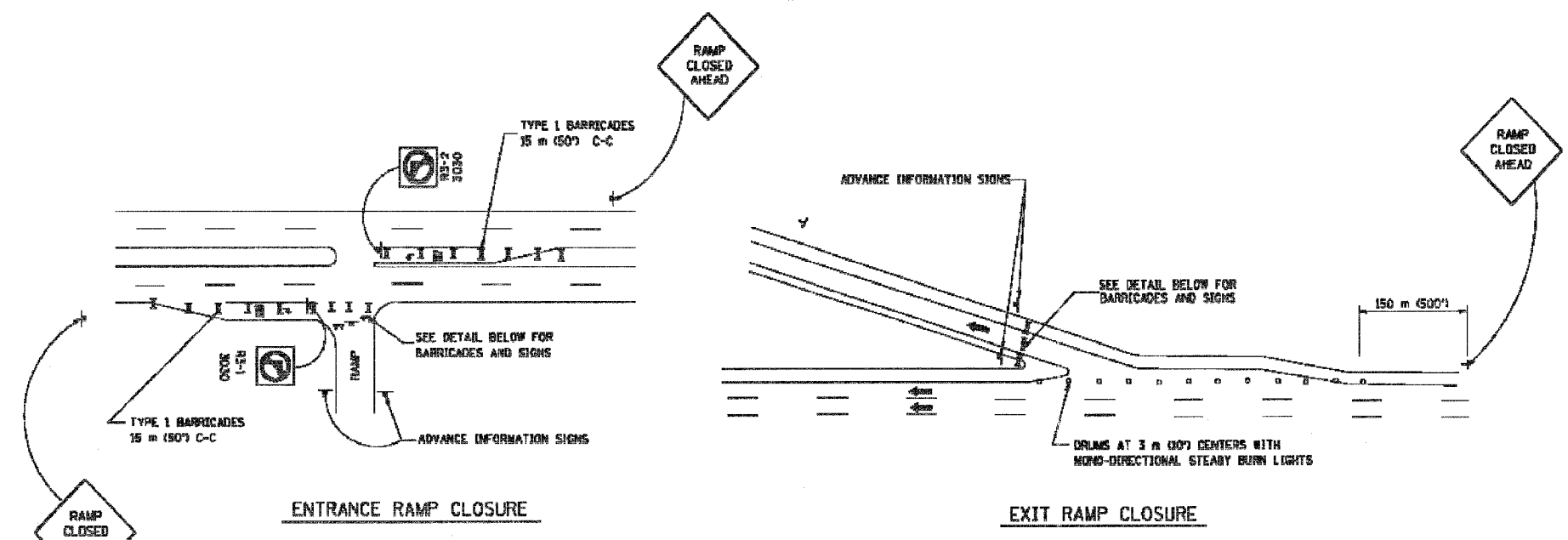
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)

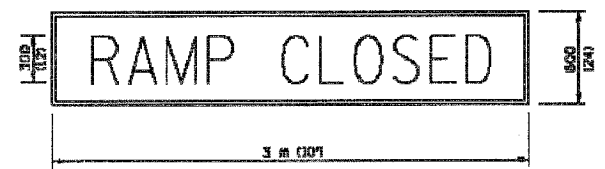
DRAINAGE STRUCTURES
CATCH BASINS 2.4mx0.9m & 2.4mx1.5m
FOR DEPTHS WHERE H > 2.4m

SHEET 2 OF 2
SCALE NONE
DATE 03/03
DRAWN BY ACE/CAO
CHECKED BY

F.A. DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94		COOK	231	186
STA.	TO STA.			
FED. ROAD DIST. NO. 1, ILLINOIS	FED. AID PROJECT			
			• (0203.1 & 0304) R-6	CONTRACT # 62105

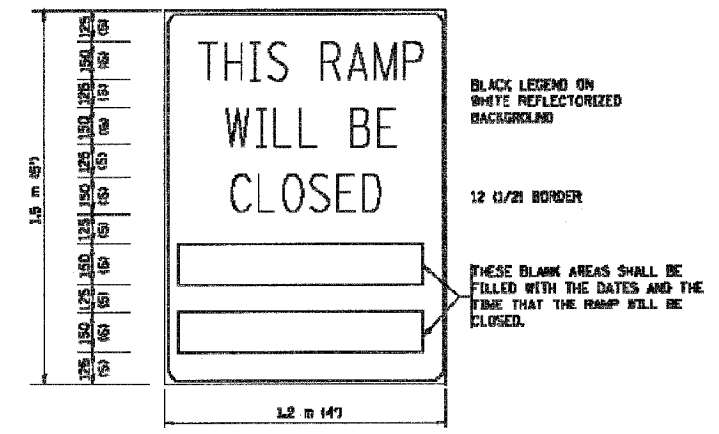


RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE REFLECTORIZED BACKGROUND
25 (1) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR THE CLOSED EXIT RAMPS.

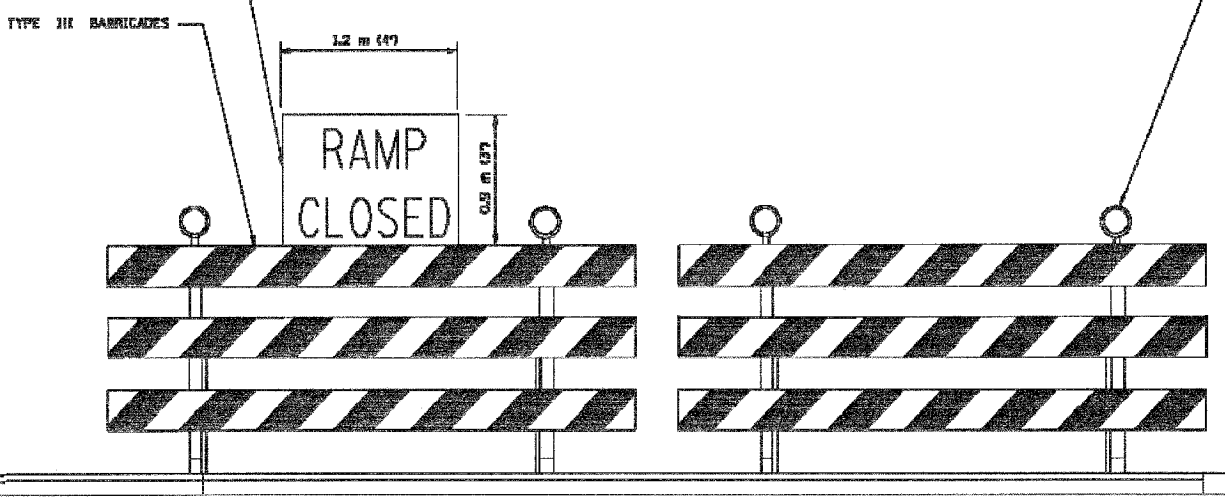
RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE REFLECTORIZED BACKGROUND
12 (1/2) BORDER
THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, A MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THE "RAMP CLOSED" SIGN SHALL BE B/W WITH 200 (8) CAPS. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE.



DETAIL FOR REQUIRED BARRICADES & SIGNS

- GENERAL NOTES:
- CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 700 (28) HIGH.
 - STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
 - A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
 - FOR DAYTIME RAMP CLOSURES, LASTING 6 HOURS OR LESS, THE CONTRACTOR MAY ELIMINATE THE ADVANCE WARNING SIGNS ON THE EXIT GUIDE SIGNS.
 - ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
 - THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE CONSIDERED INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION.
 - AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.

- NOTES:
- CONES MAY BE SUBSTITUTED FOR TYPE I AND TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 26" IN HEIGHT.
 - STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
 - THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS.
 - ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY-FOUR (24) HOURS IN LENGTH.

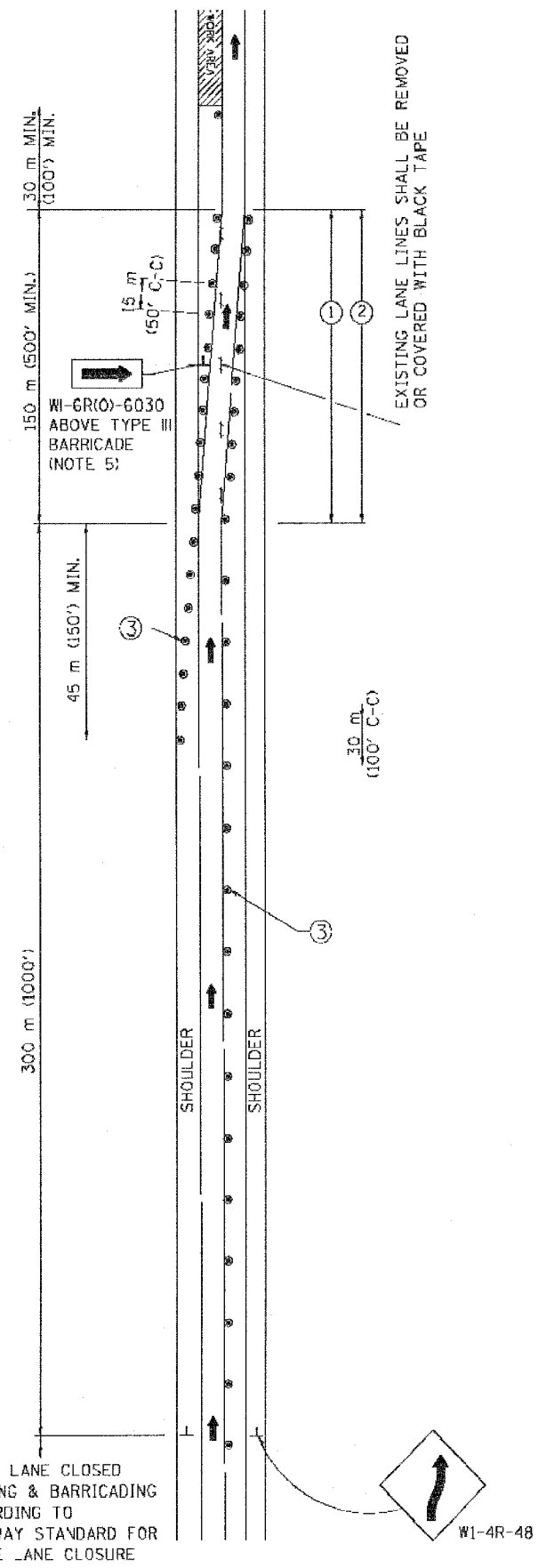
REVISIONS	
NAME	DATE
DWS	2-03
DWS	1/30
DWS	9/94
DWS	12/94
DWS/JAF	12/02
Revise devices to meet NCHRP 350	4/03

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
ILLINOIS DEPARTMENT OF TRANSPORTATION
FREWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS

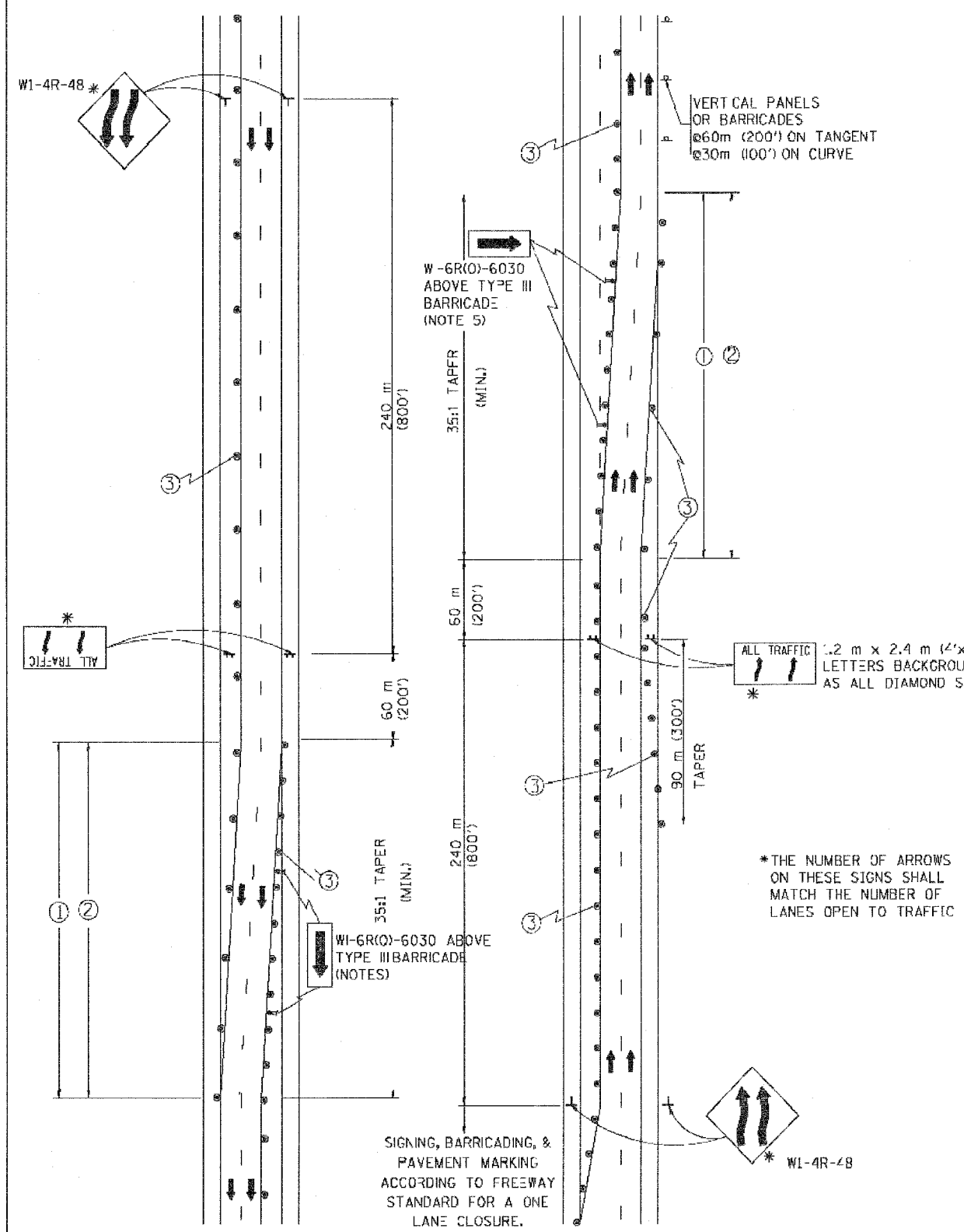
SCALE: NONE
DATE: 05/06/2003
DRAWN BY: TC-B
CHECKED BY: TC-B

DS-6

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED OR COVERED WITH BLACK TAPE. PAVEMENT MARKING REMOVAL OR BLACK TAPE SHALL NOT BE REQUIRED FOR LANE CLOSURES UNDER 24 HOURS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 90 m (300') ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVE LANE LINES SHALL BE 3 M-9 M (10'-30') SKIP DASH, WHITE.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 15 m (50') C-C SPACING IN TAPERS AND 30 m (100') C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- IF A TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

DS-7
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN

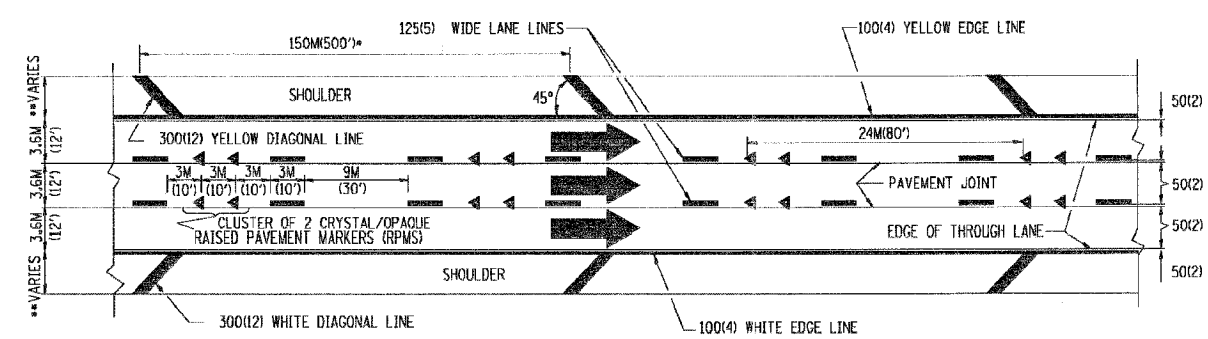
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL DETAILS FOR FREEWAY
SINGLE & MULTI-LANE WEAVE

REVISIONS	
NAME	DATE
DWS	2/87
DWS	1/90
DWS	12/27/94
DWS	11/96
JA	4/03

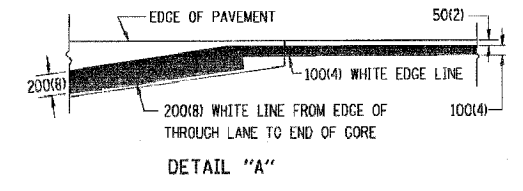
SCALE: NONE
DATE: 05/12/2003
DRAWN BY R.H.
CHECKED BY TC-9

P. A. I. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94		COOK	231	188
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
* (0203.1 & 0304) R-6		CONTRACT # 62105		

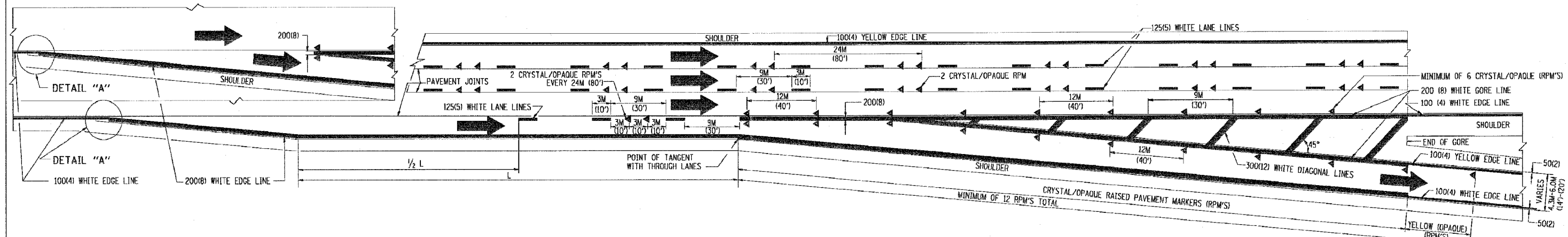
- * THE DIAGONAL LINES SHALL BE SPACED AT 12M (40') C-C ACROSS ALL STRUCTURES WHICH ARE 150M (500') OR LESS IN LENGTH
- ** THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 1.8M (6') OR LESS IN WIDTH



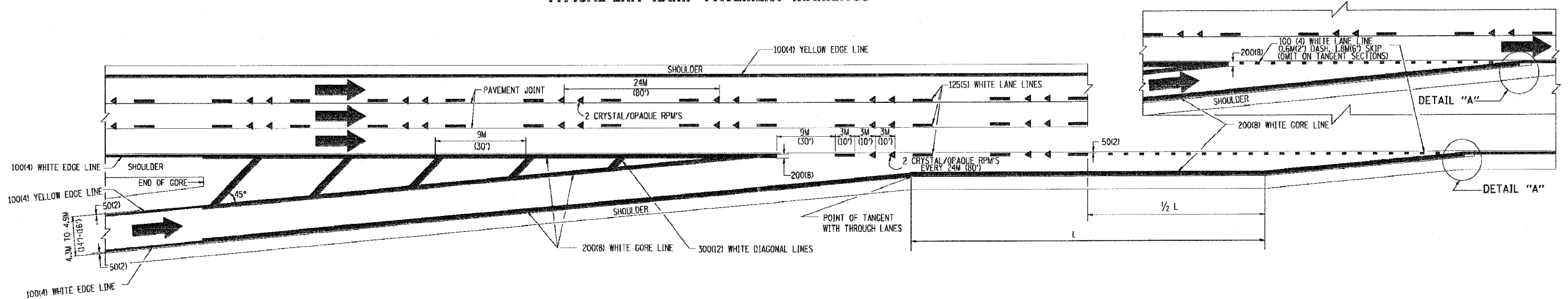
- NOTES:
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
 2. PREFORMED PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES
 3. PREFORMED PLASTIC PAVEMENT MARKING LINE SHALL BE USED ON PCC PAVEMENT.



TYPICAL EDGE LINES & LANE LINES



TYPICAL EXIT RAMP PAVEMENT MARKINGS



TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS

DATE-TIME
DCN-SPEC
VI-TC12

REVISIONS	
NAME	DATE
DWS	1/90
DWS	5/91
AH	3/96
DWS	7/96

ILLINOIS DEPARTMENT OF TRANSPORTATION

MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS

SCALE: NONE
DATE: **DATE**

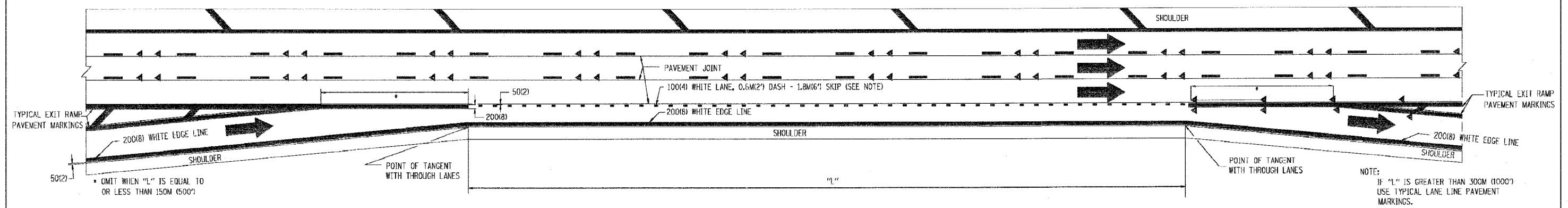
DRAWN BY C.A.D.D.
CHECKED BY

SHEET 1 OF 2
TC-12

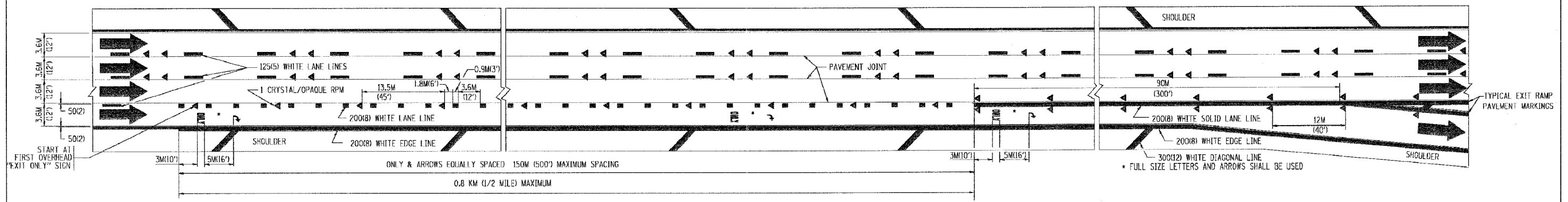
DS-8

Contract E:\cadd\sect\83a.dgn 8/12/2005 11:35:36 PM

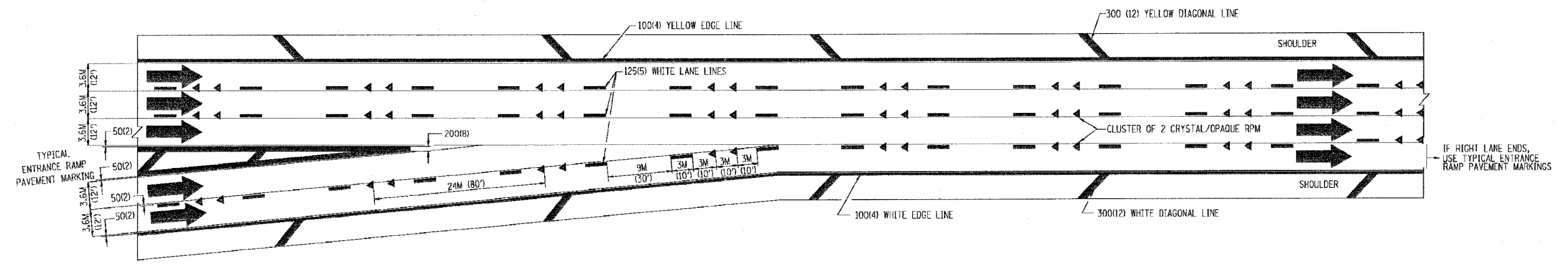
F. A. L. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94		COOK	231	189
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		
•(0203.1 & 0304) R-6			CONTRACT # 62105	



TYPICAL ENTRANCE/EXIT RAMP COMBINATION PAVEMENT MARKINGS



TYPICAL EXIT ONLY LANE PAVEMENT MARKINGS



TYPICAL TWO LANE ENTRANCE RAMP PAVEMENT MARKINGS

•DATE-TIME•
•DCN-SPEC•
VI-TC12

REVISIONS	
NAME	DATE
DWS	1/90
DWS	5/91

ILLINOIS DEPARTMENT OF TRANSPORTATION

**MULTI-LANE FREEWAY
PAVEMENT MARKING
DETAILS**

SCALE: NONE
DATE: **DATE**

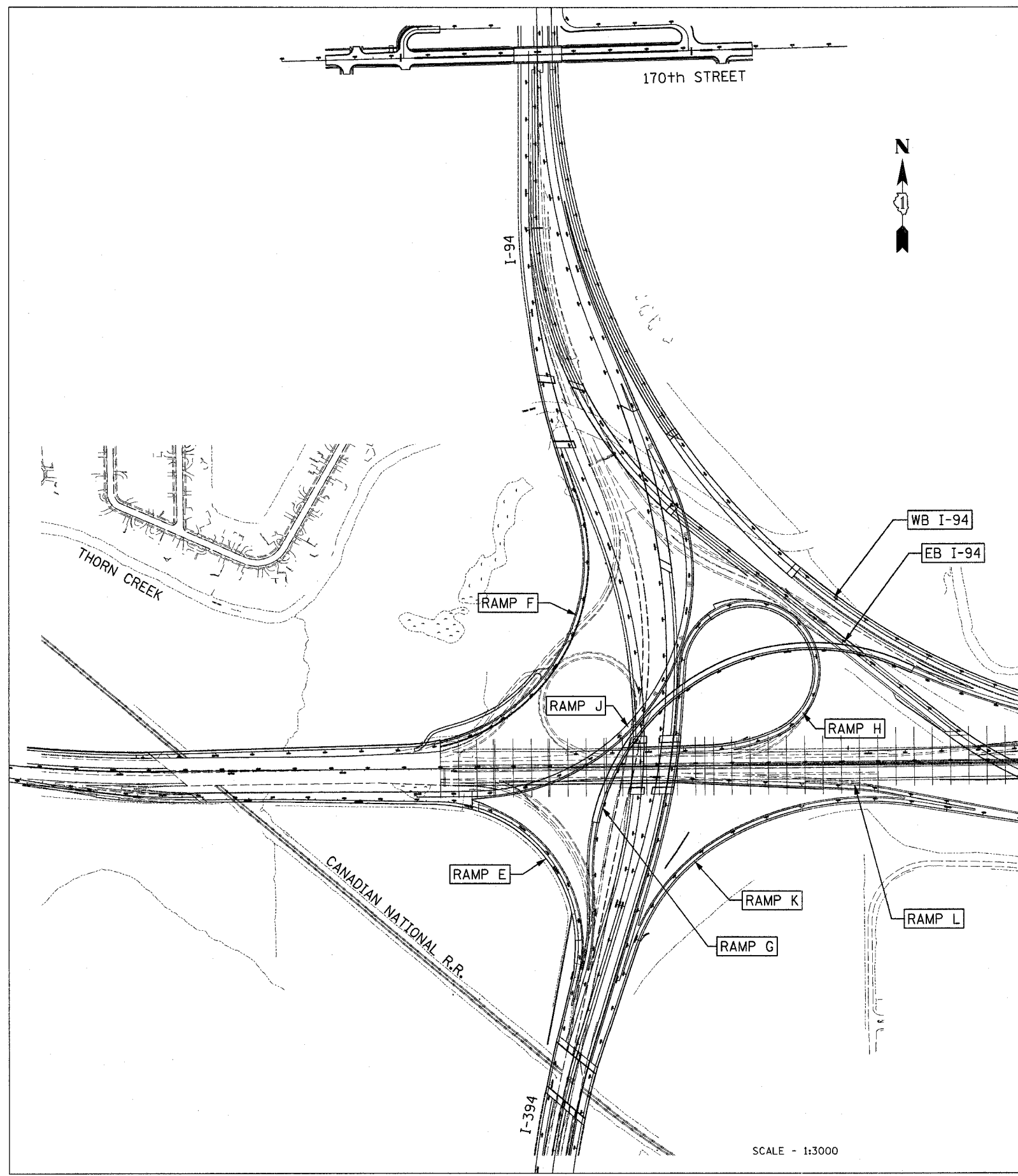
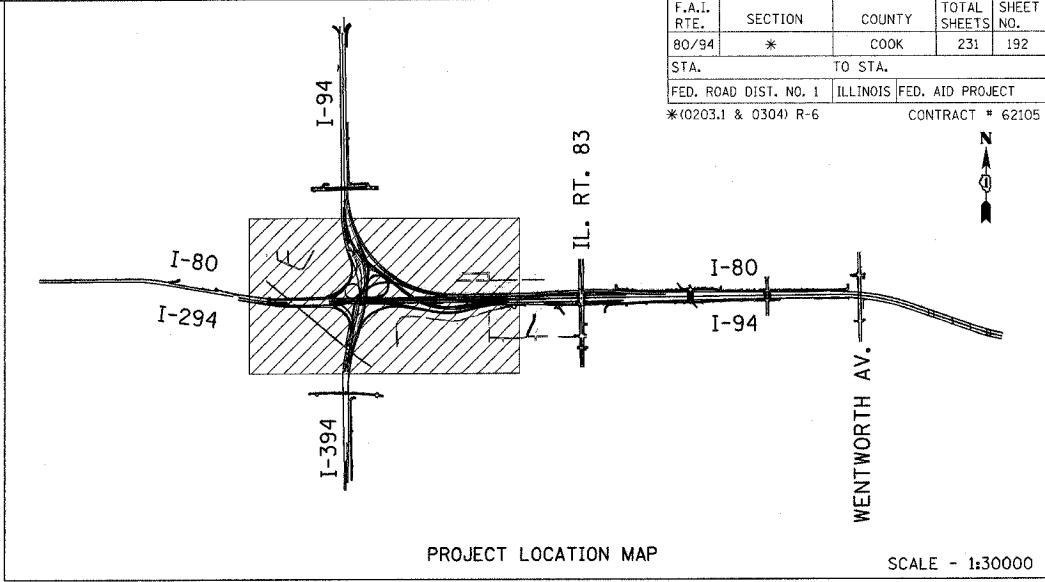
DRAWN BY C.A.D.D.
CHECKED BY

SHEET 2 OF 2
TC-12

DS-9

11/18/2005 1:34:42 PM
 C:\inetpub\wwwroot\...

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	192
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
*(0203.1 & 0304) R-6			CONTRACT # 62105	



LEGEND

--- EXISTING

▨ LOCATION OF PROPOSED WORK

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

CROSS SECTION
KEY MAP

SCALE - 1:3000
DATE: JULY 18, 2005

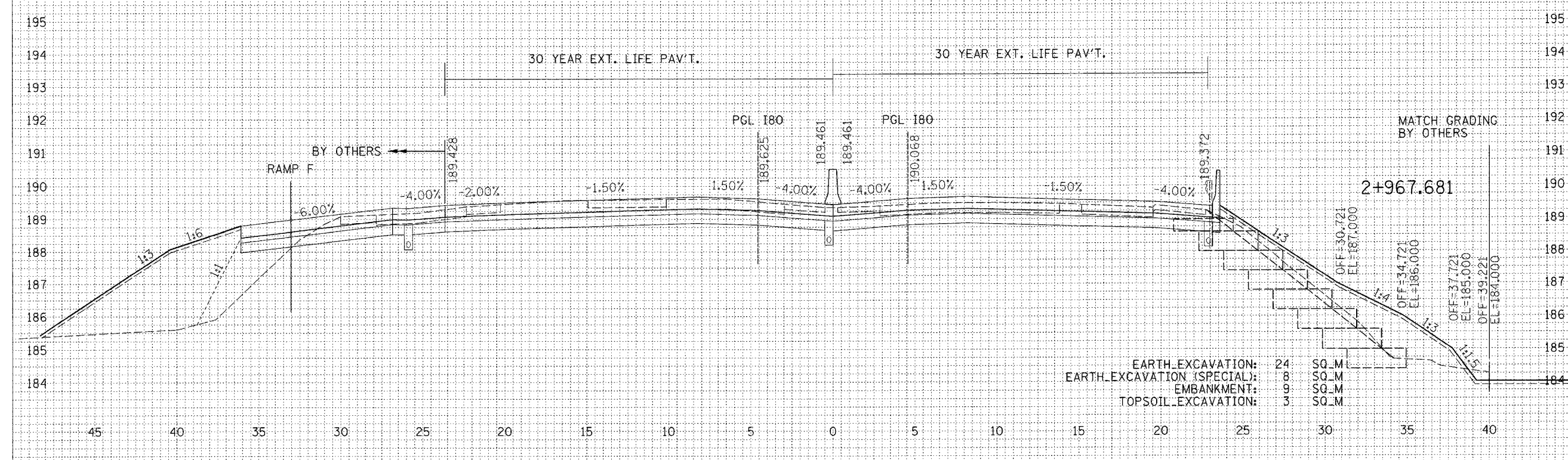
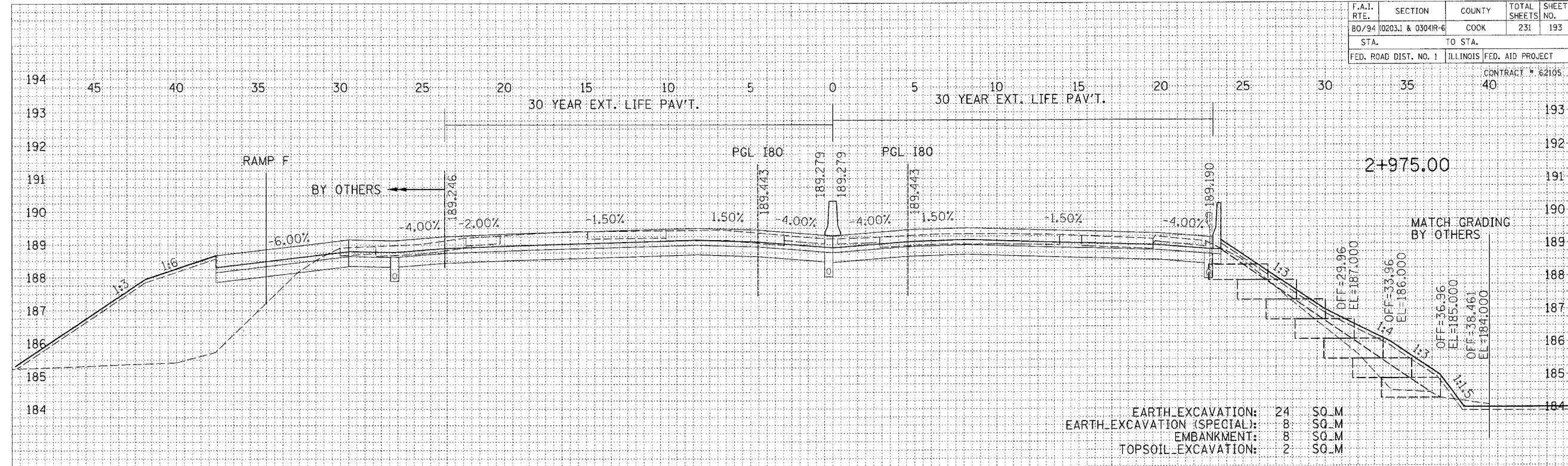
DRAWN BY: TRK
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

XS-1

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94 (0203.1 & 0304R-6)		COOK	231	193
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			

CONTRACT # 62105



DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

CROSS SECTIONS
I-80

HORIZ. SCALE: 1:250
VERT. SCALE: 1:125
DATE: JULY 18, 2005

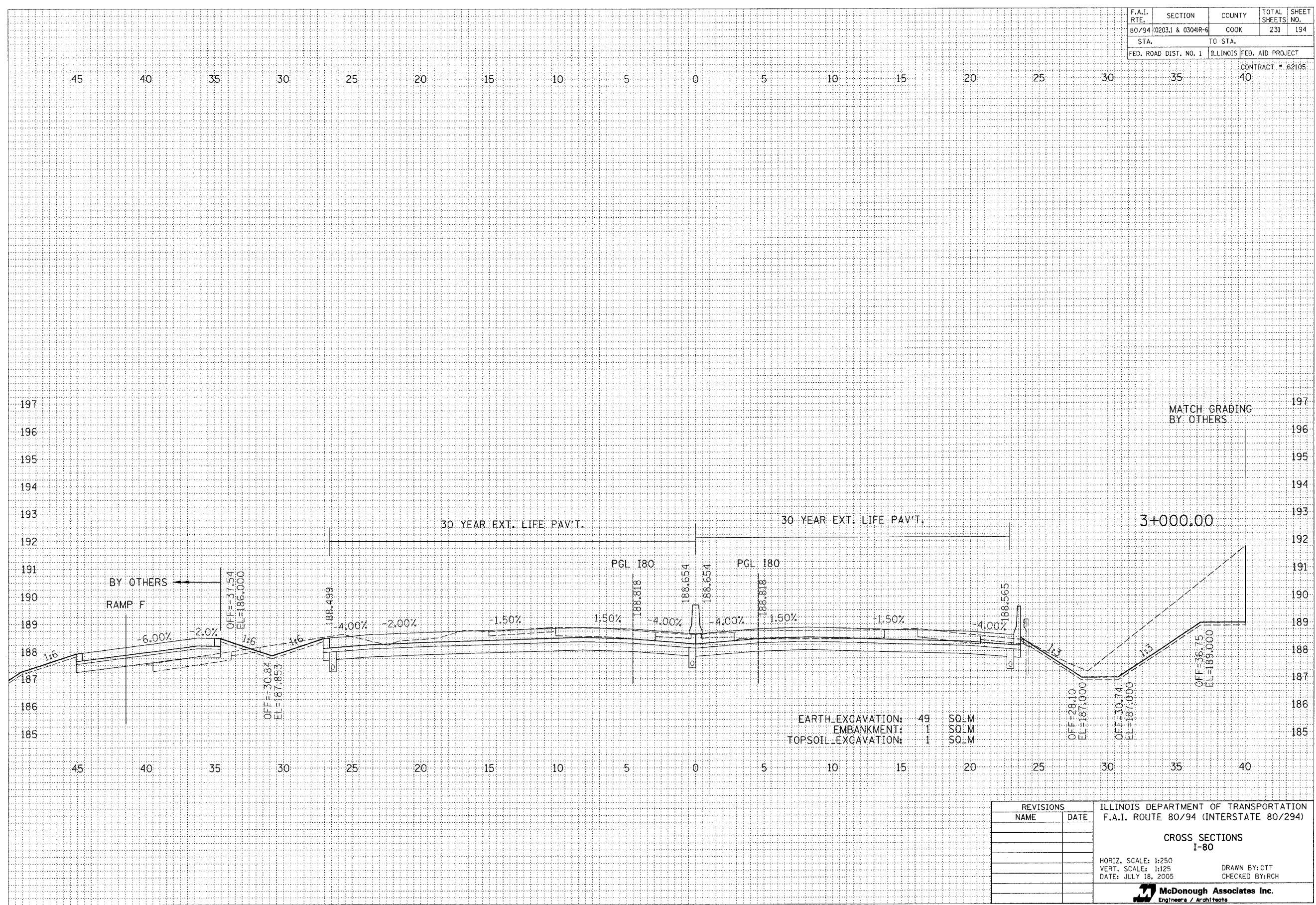
DRAWN BY: CTT
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	194
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
				CONTRACT # 62105

FINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		

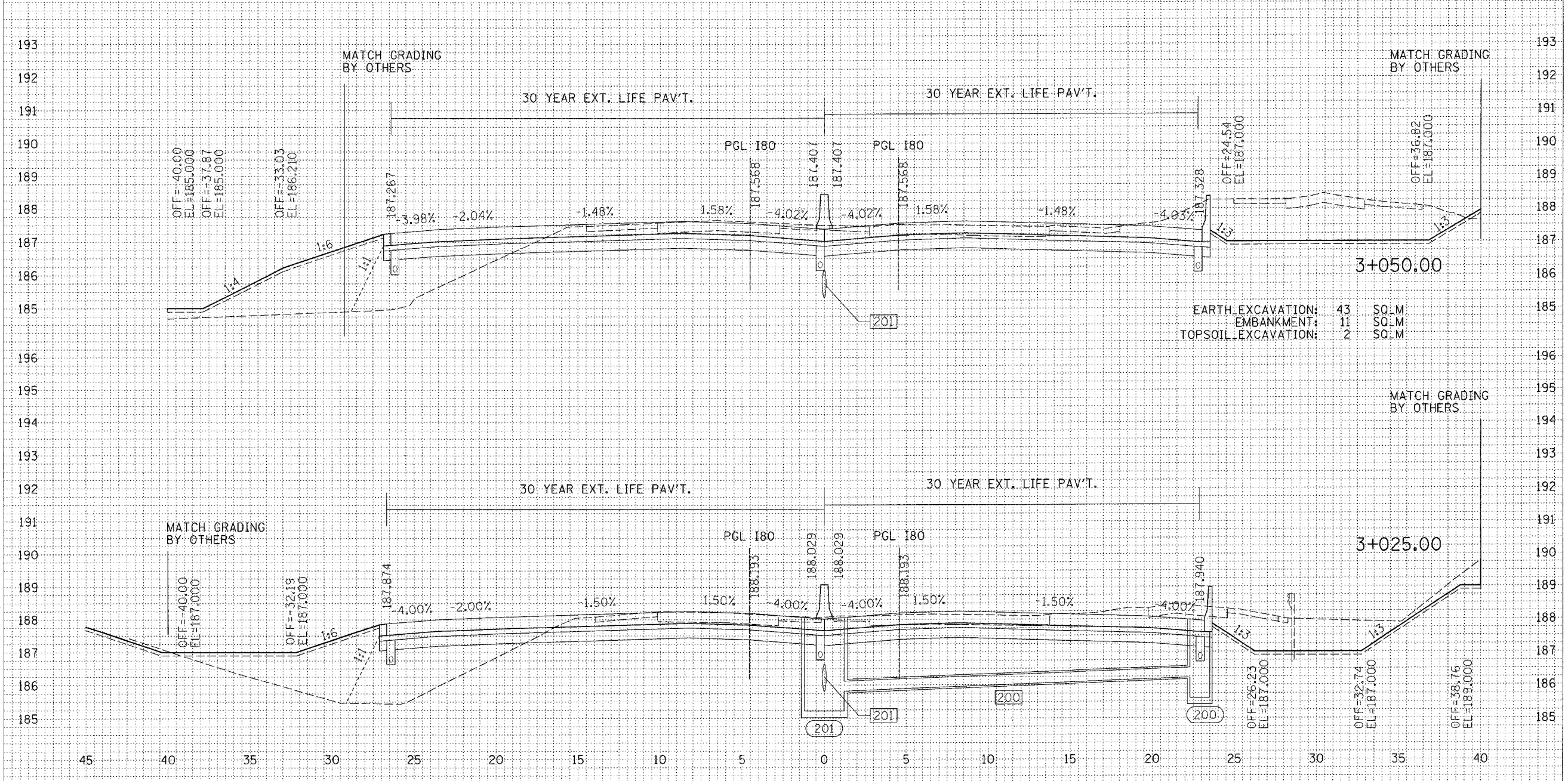


REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		<p>CROSS SECTIONS I-80</p> <p>HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005</p> <p>DRAWN BY: CTT CHECKED BY: RCH</p> <p>McDonough Associates Inc. Engineers / Architects</p>

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94 (0203.1 & 0304R-6)		COOK	231	195
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			

CONTRACT # 62105

45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40



EARTH EXCAVATION: 43 SQ.M
 EMBANKMENT: 11 SQ.M
 TOPSOIL EXCAVATION: 2 SQ.M

EARTH EXCAVATION: 38 SQ.M
 EMBANKMENT: 22 SQ.M
 TOPSOIL EXCAVATION: 3 SQ.M

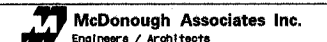
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

CROSS SECTIONS
 I-80

HORIZ. SCALE: 1:250
 VERT. SCALE: 1:125
 DATE: JULY 18, 2005

DRAWN BY: CTT
 CHECKED BY: RCH

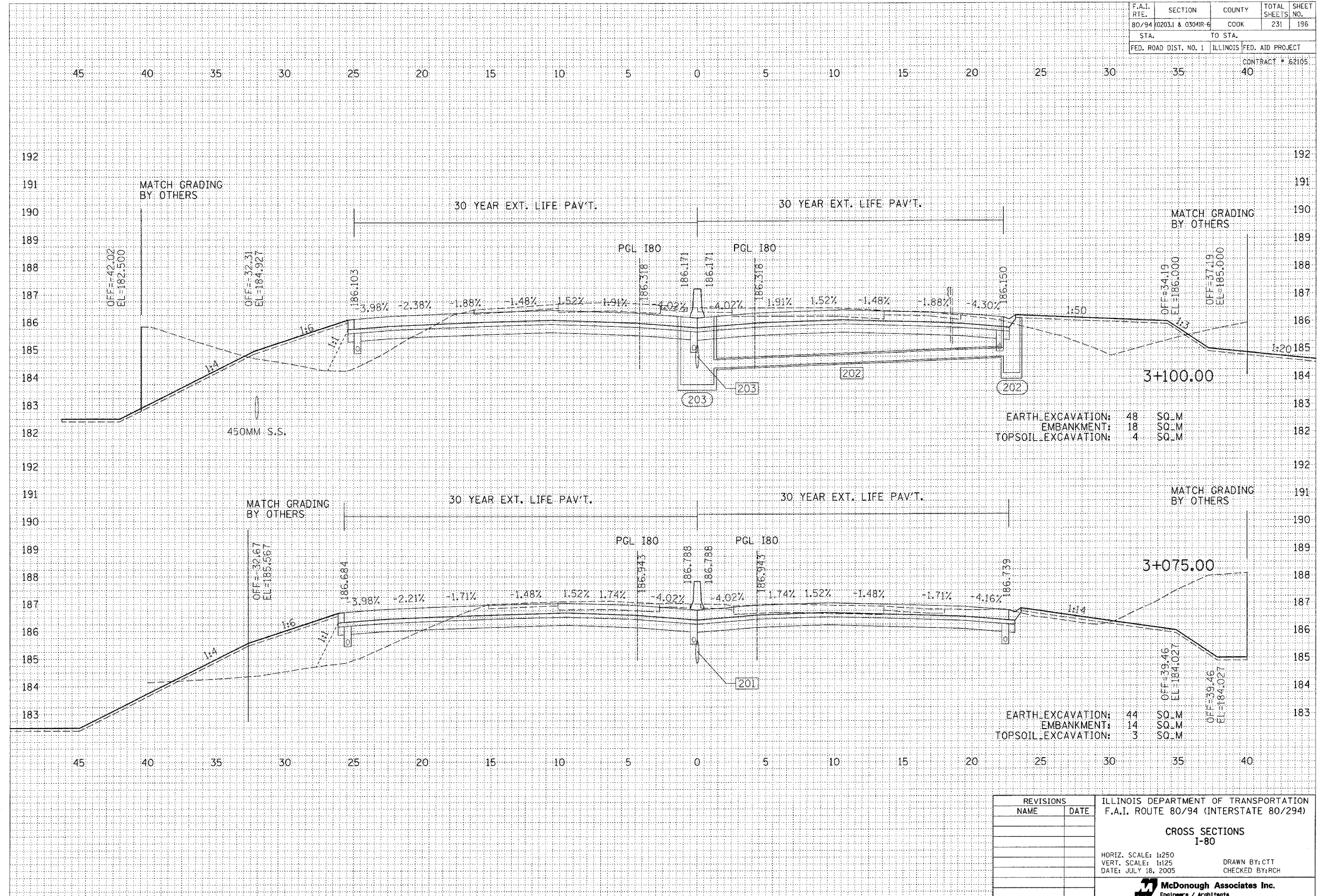


FINAL SURVEY	BY	DATE

ORIGINAL SURVEY	BY	DATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	020311 & 0304R-6	COOK	231	196
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62105



DATE	BY

DATE	BY

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH McDonough Associates Inc. Engineers / Architects

Contract: 65160025.dgn 6/18/2005 2:31:23 PM

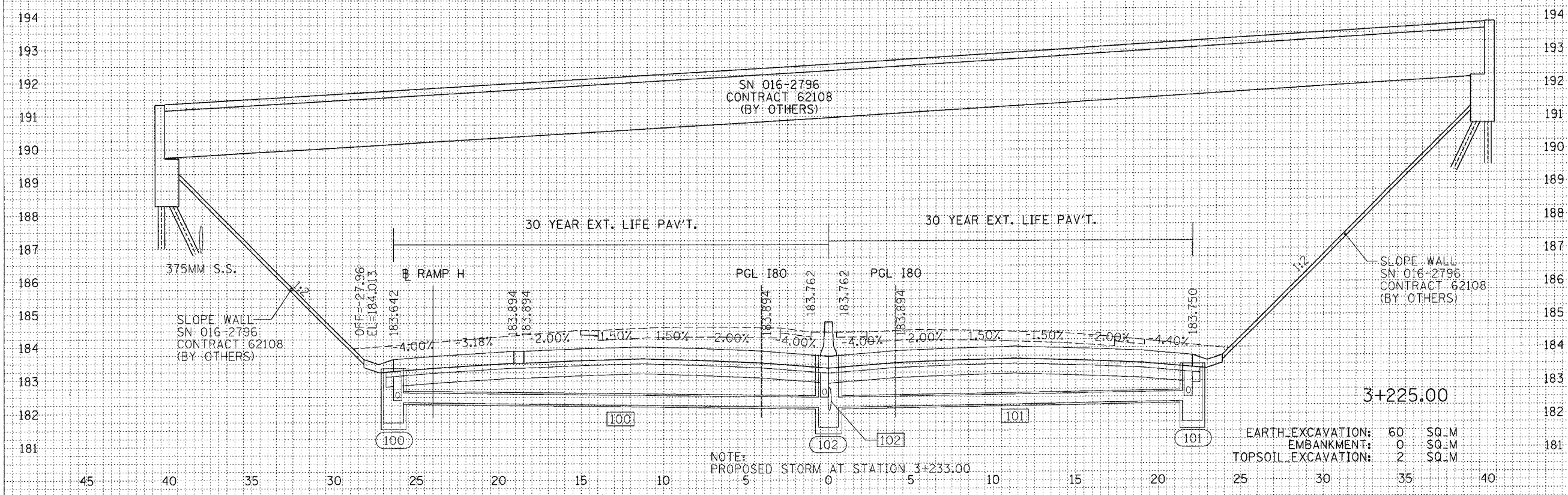
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	199
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62105

45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS CHECKED		



EARTH EXCAVATION:	60	SQ.M
EMBANKMENT:	0	SQ.M
TOPSOIL EXCAVATION:	2	SQ.M

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		<p>CROSS SECTIONS I-80</p> <p>HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005</p> <p>DRAWN BY: CTT CHECKED BY: RCH</p> <p>McDonough Associates Inc. Engineers / Architects</p>

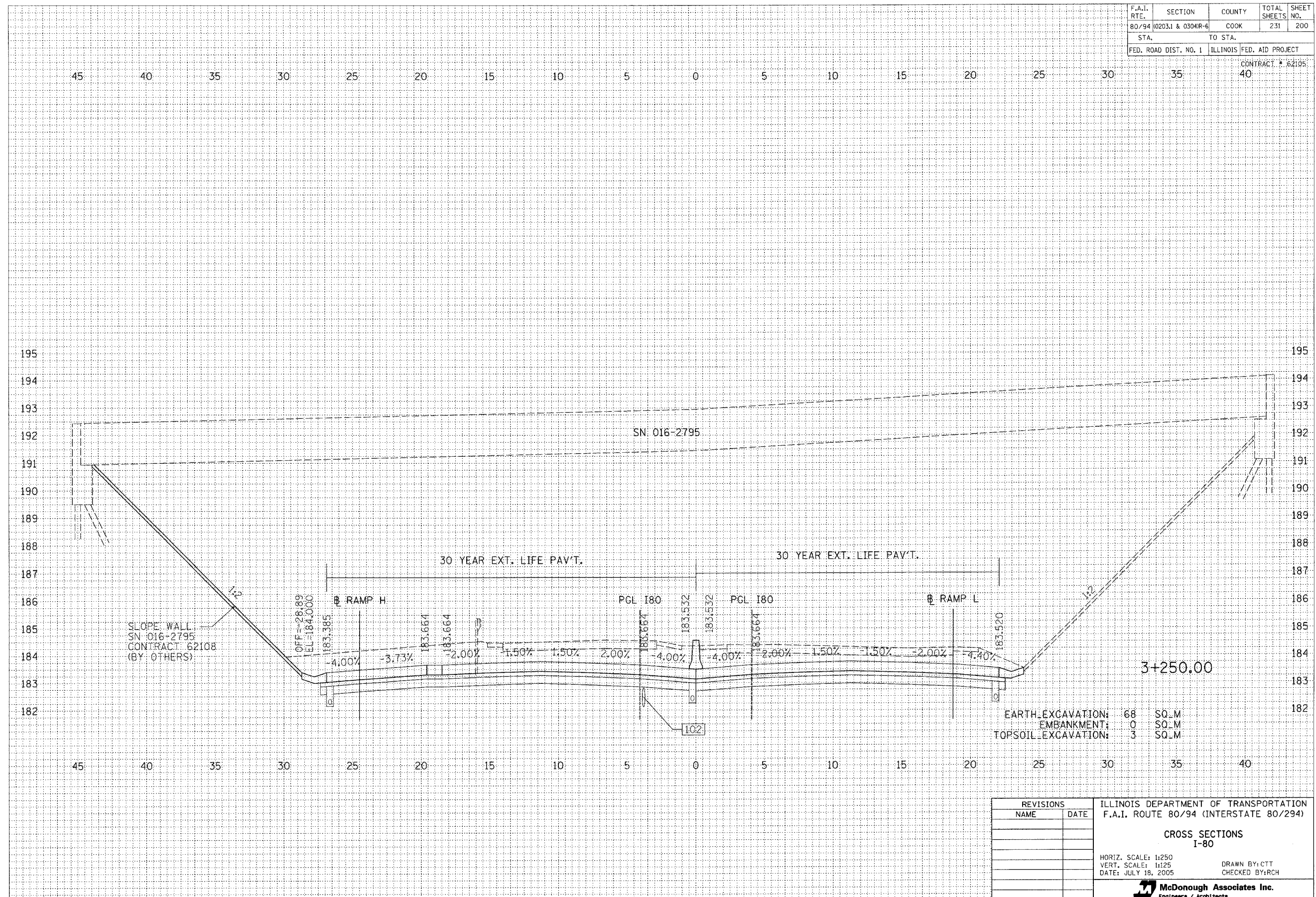
XS-8

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	200
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62105

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
BY	

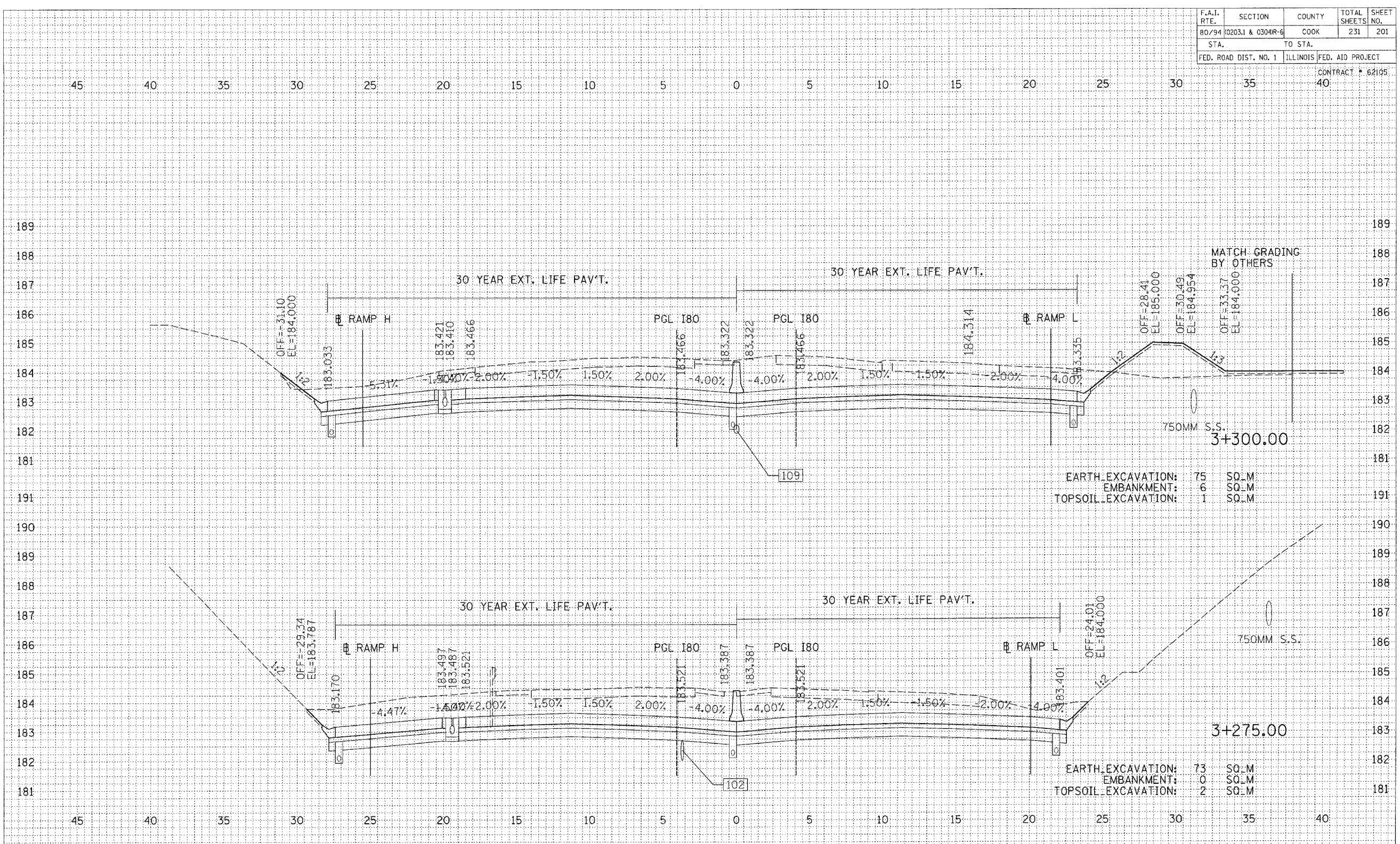
ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
BY	



EARTH EXCAVATION:	68	SQ.M
EMBANKMENT:	0	SQ.M
TOPSOIL EXCAVATION:	3	SQ.M

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH McDonough Associates Inc. Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94 (0203.1 & 0304R-6)		COOK	231	201
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
				CONTRACT # 62105



FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

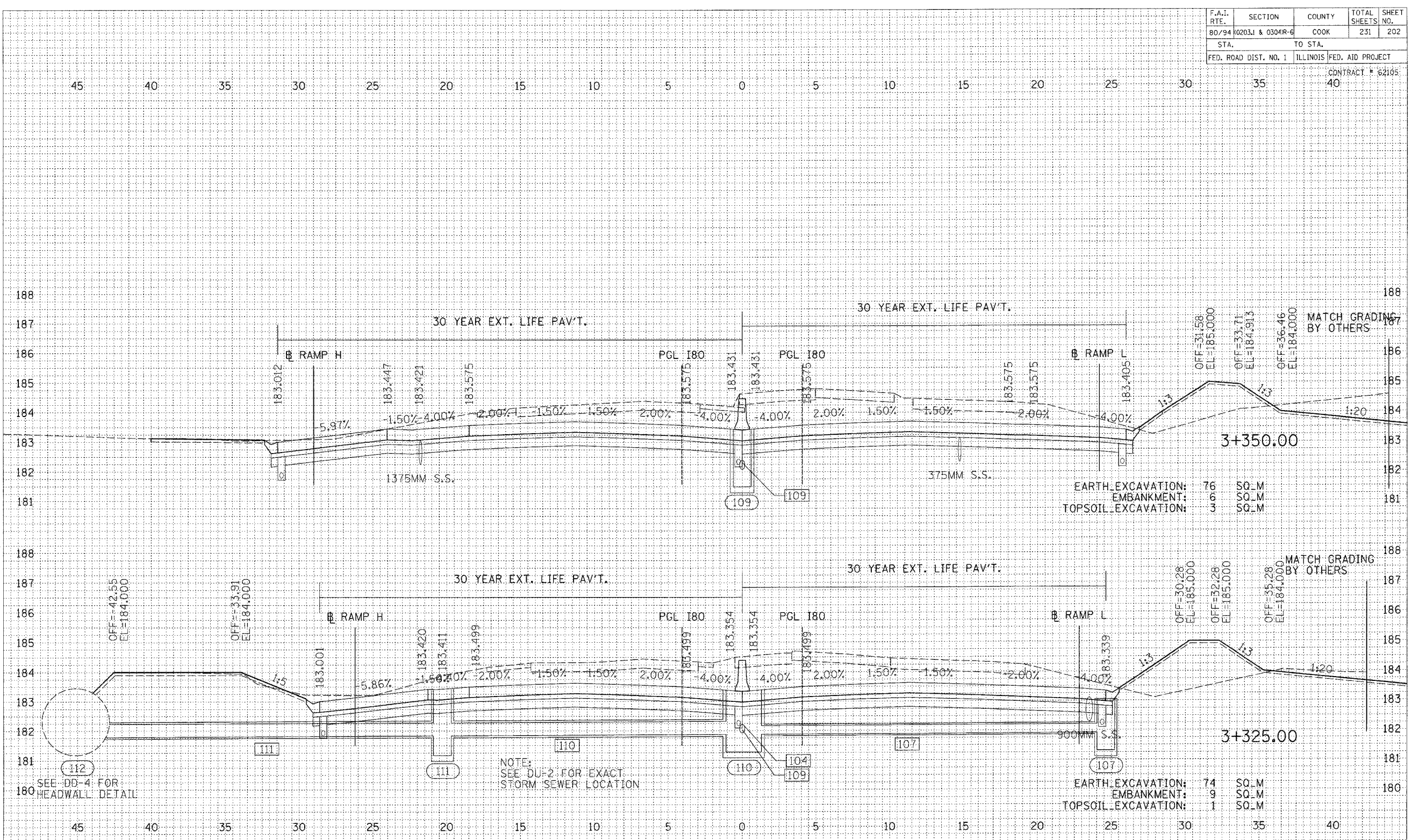
ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94 (0203J) & 0304R-6		COOK	231	202
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			

CONTRACT # 62105



EARTH EXCAVATION: 76 SQ.M
 EMBANKMENT: 6 SQ.M
 TOPSOIL EXCAVATION: 3 SQ.M

EARTH EXCAVATION: 74 SQ.M
 EMBANKMENT: 9 SQ.M
 TOPSOIL EXCAVATION: 1 SQ.M

NOTE:
 SEE DU-2 FOR EXACT
 STORM SEWER LOCATION

SEE DD-4 FOR
 HEADWALL DETAIL

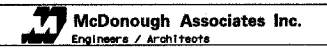
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

CROSS SECTIONS
 I-80

HORIZ. SCALE: 1:250
 VERT. SCALE: 1:25
 DATE: JULY 18, 2005

DRAWN BY: CTT
 CHECKED BY: RCH



FINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK		
AREAS CHECKED		

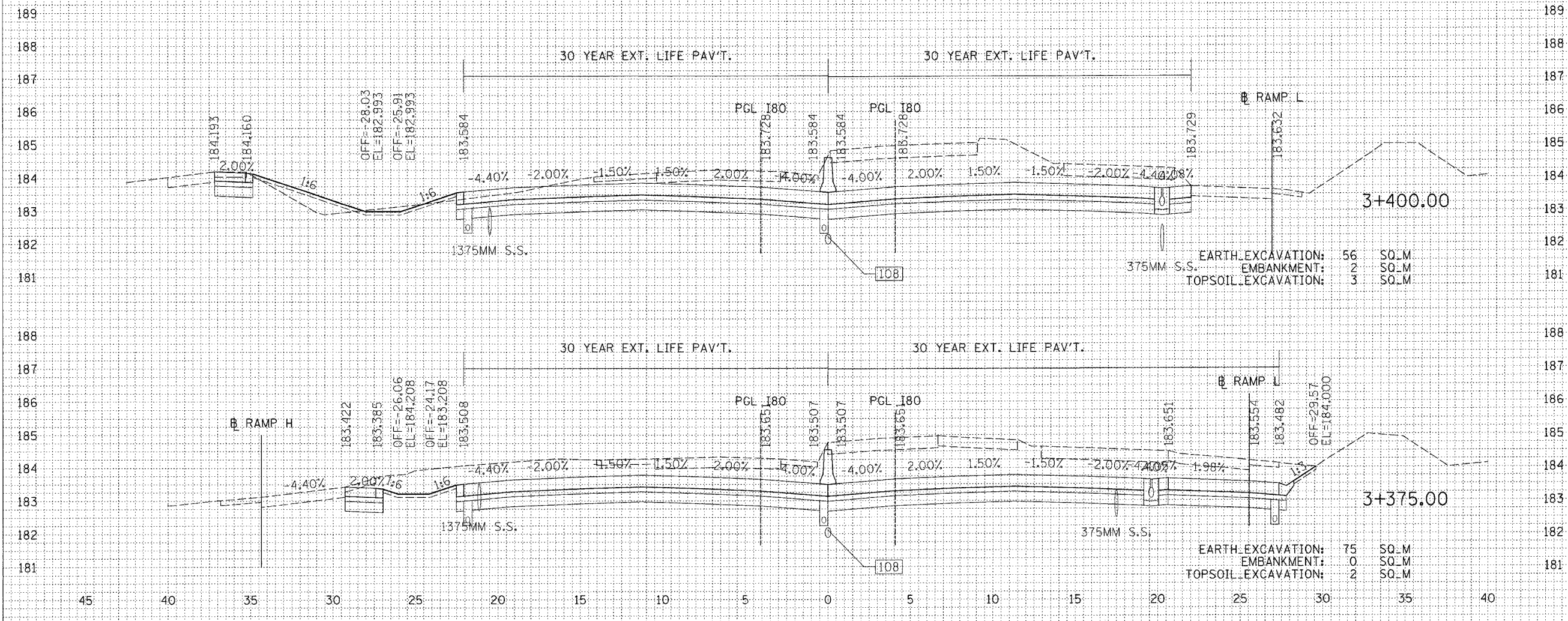
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-G	COOK	231	203
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62105

45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40

FINAL SURVEY	DATE
SURVEY	
NOTED	
REVISIONS	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEY	
NOTED	
REVISIONS	
AREAS CHECKED	



EARTH EXCAVATION:	56	SQ.M
EMBANKMENT:	2	SQ.M
TOPSOIL EXCAVATION:	3	SQ.M

EARTH EXCAVATION:	75	SQ.M
EMBANKMENT:	0	SQ.M
TOPSOIL EXCAVATION:	2	SQ.M

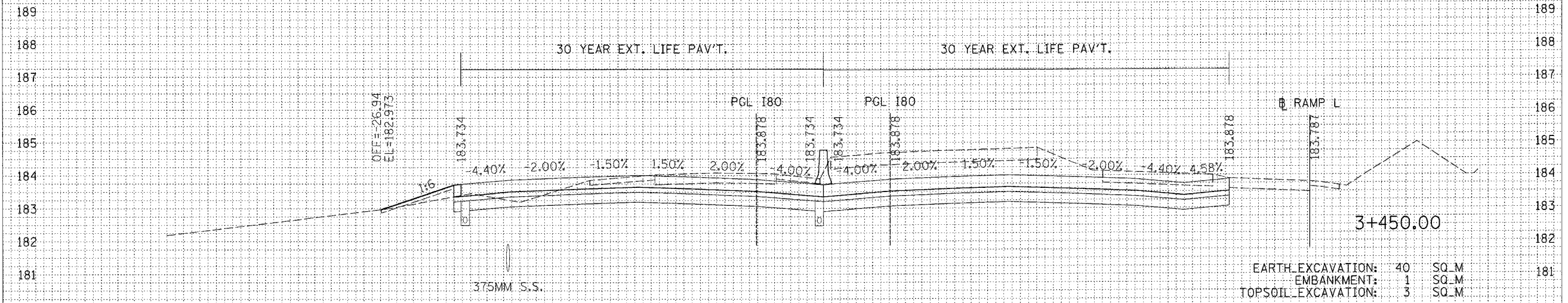
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		<p align="center">CROSS SECTIONS I-80</p> <p>HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005</p> <p align="right">DRAWN BY: CTT CHECKED BY: RCH</p> <p align="center">McDonough Associates Inc. Engineers / Architects</p>

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	10203.1 & 0304R-6	COOK	231	204
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62105

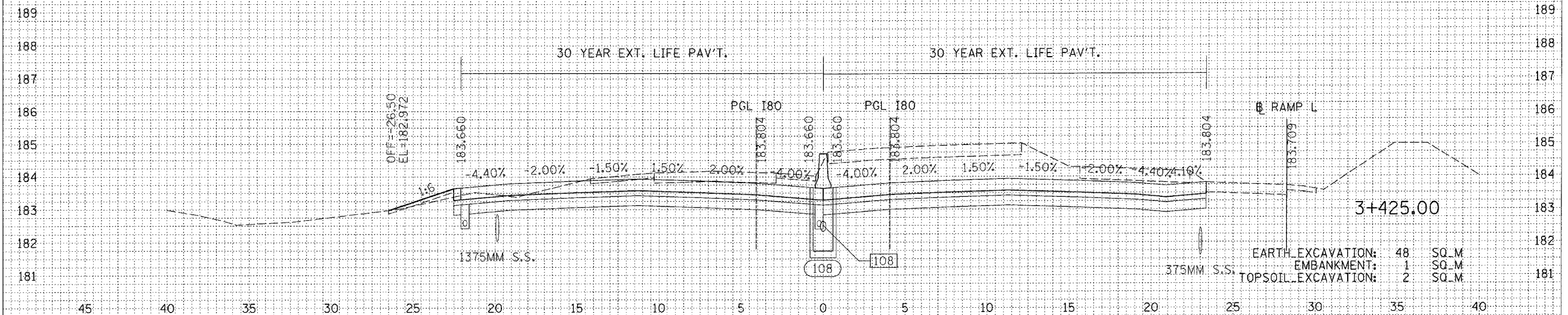
45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40

FINAL SURVEY	BY	DATE
SURVEY		
PLOTTED		
NOTE BOOK		
AREAS		
CHECKED		



EARTH EXCAVATION: 40 SQ.M
 EMBANKMENT: 1 SQ.M
 TOPSOIL EXCAVATION: 3 SQ.M

ORIGINAL SURVEY	BY	DATE
SURVEY		
PLOTTED		
NOTE BOOK		
AREAS		
CHECKED		

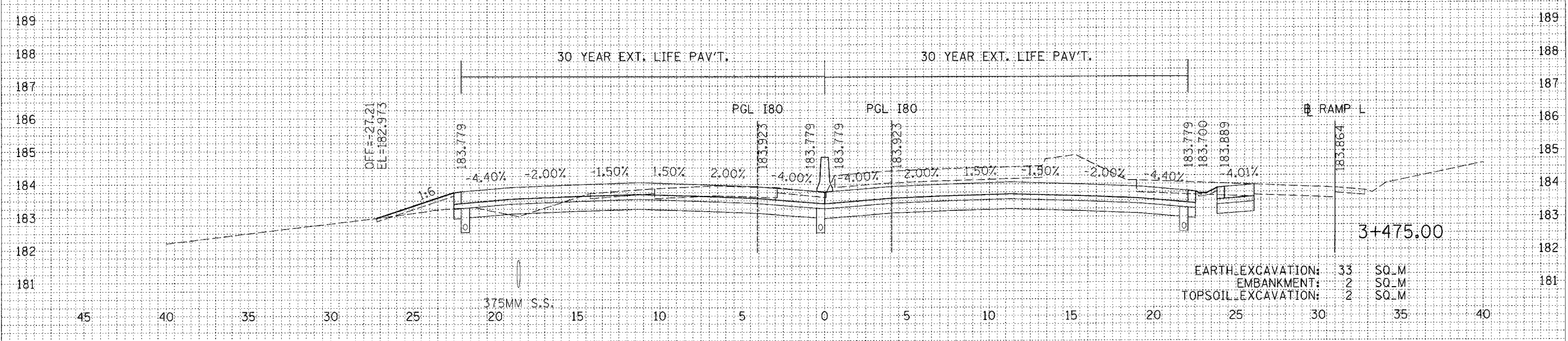
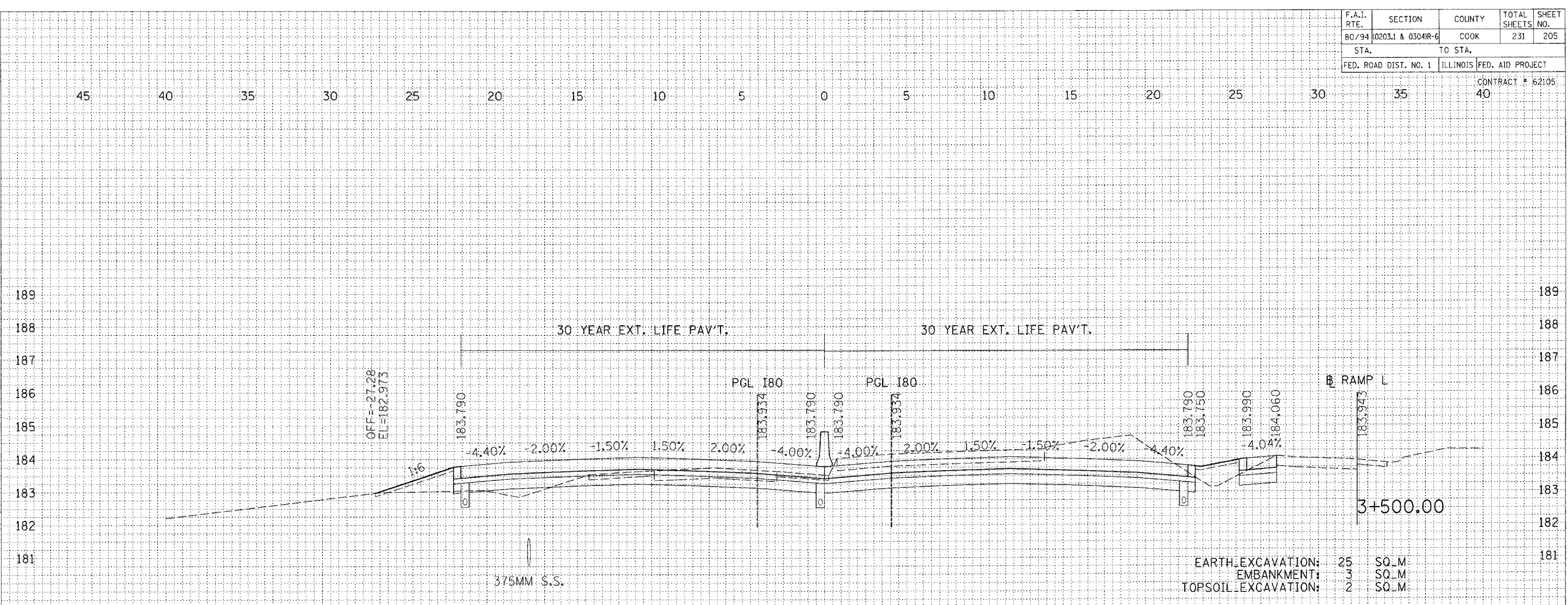


EARTH EXCAVATION: 48 SQ.M
 EMBANKMENT: 1 SQ.M
 TOPSOIL EXCAVATION: 2 SQ.M

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH

McDonough Associates Inc.
 Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203J & 0304R-6	COOK	231	205
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
				CONTRACT # 62105



DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTED	
AREAS	
CHECKED	

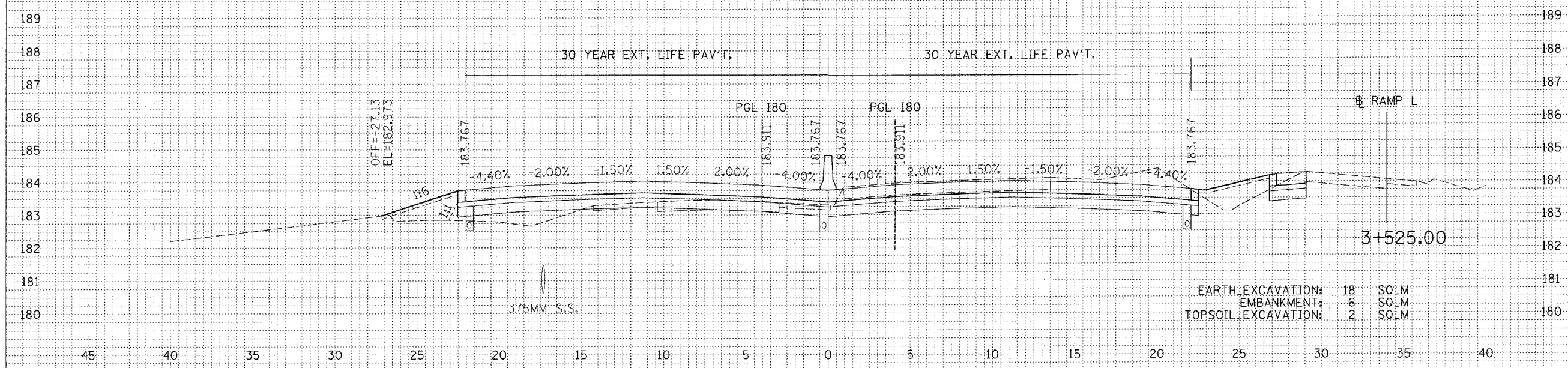
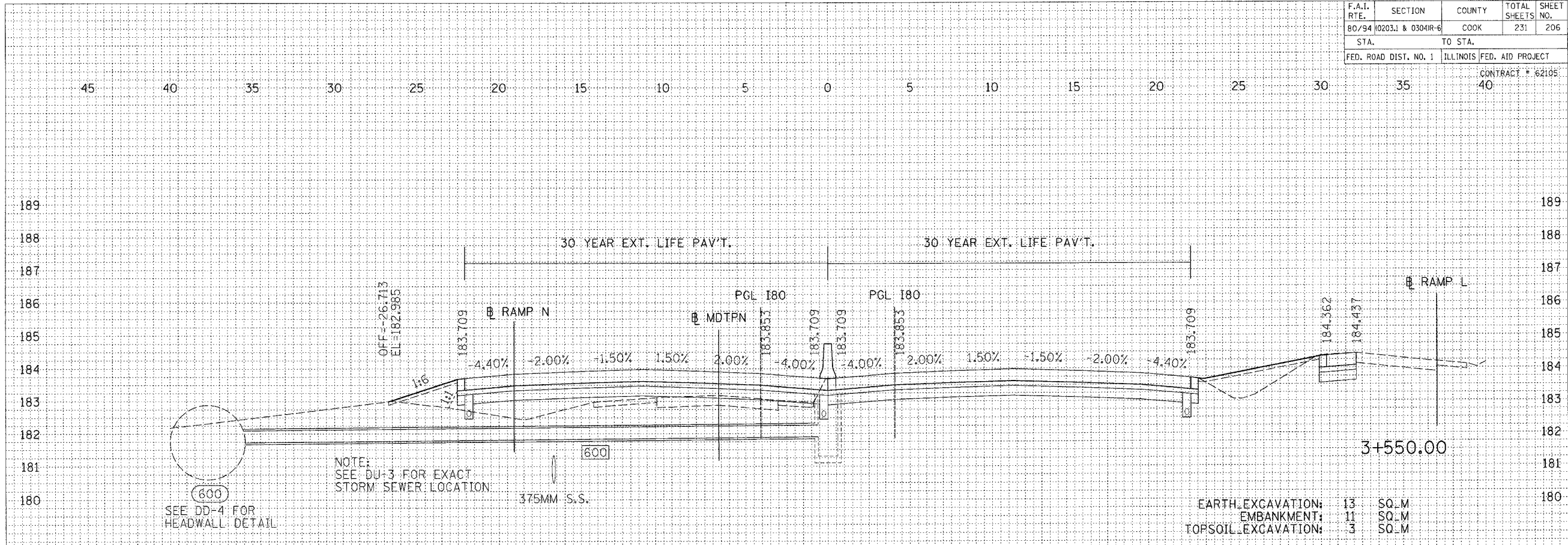
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTED	
AREAS	
CHECKED	

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80
HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005		DRAWN BY: CTT CHECKED BY: RCH
 McDonough Associates Inc. Engineers / Architects		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	206
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

DATE	BY

DATE	BY



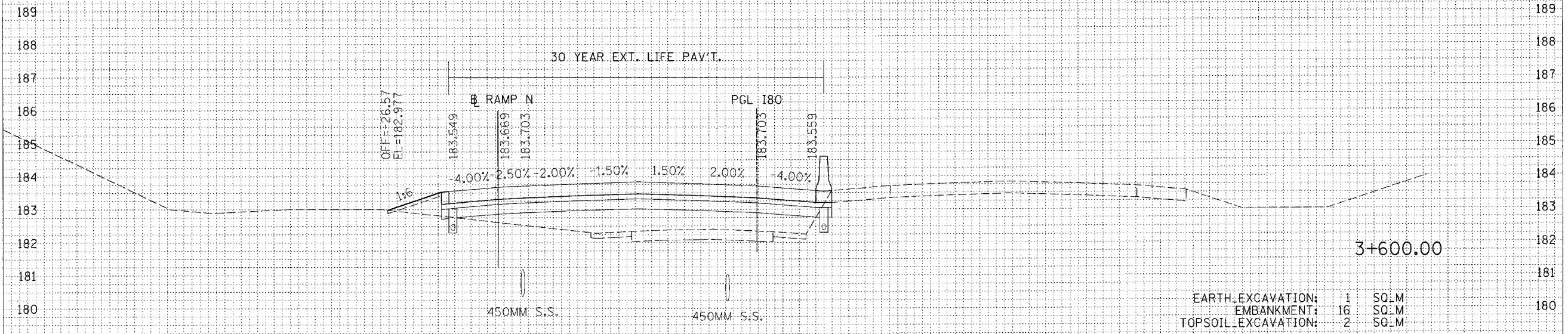
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80
		HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005
		DRAWN BY: CTT CHECKED BY: RCH
 McDonough Associates Inc. <small>Engineers / Architects</small>		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	207
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

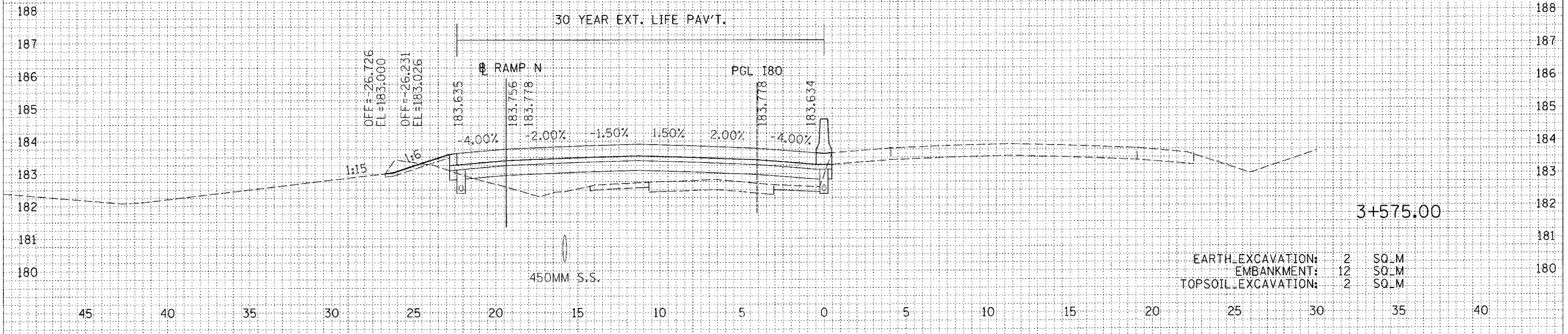
CONTRACT # 82105

45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		



ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH McDonough Associates Inc. Engineers / Architects

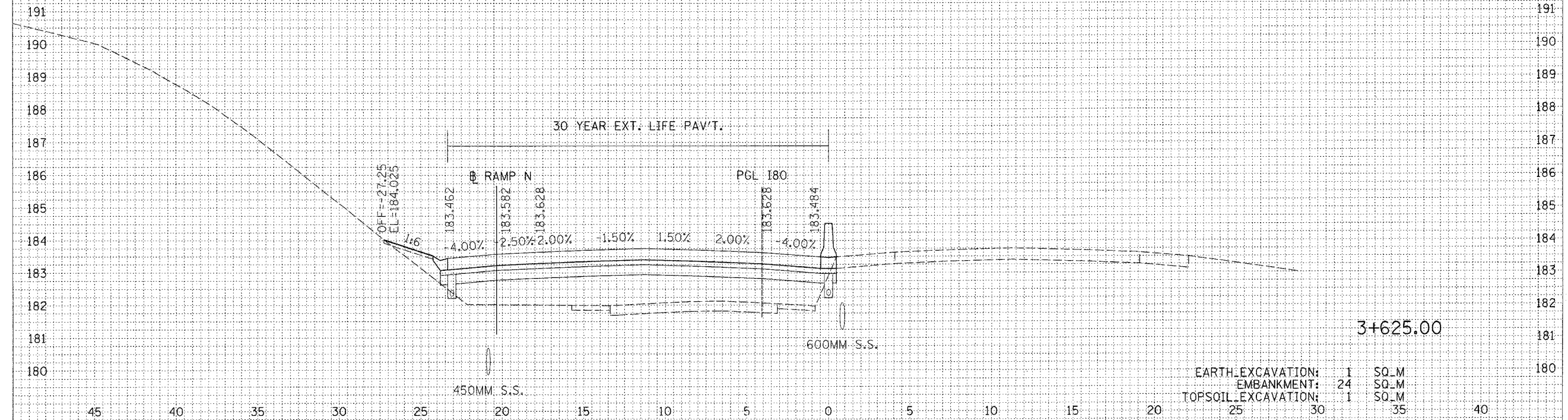
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94 (0203.1 & 0304R-6)		COOK	231	208
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62195

45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS		
	CHECKED		



EARTH EXCAVATION:	1	SQ_M
EMBANKMENT:	24	SQ_M
TOPSOIL EXCAVATION:	1	SQ_M

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

CROSS SECTIONS
I-80

HORIZ. SCALE: 1:250
VERT. SCALE: 1:125
DATE: JULY 18, 2005

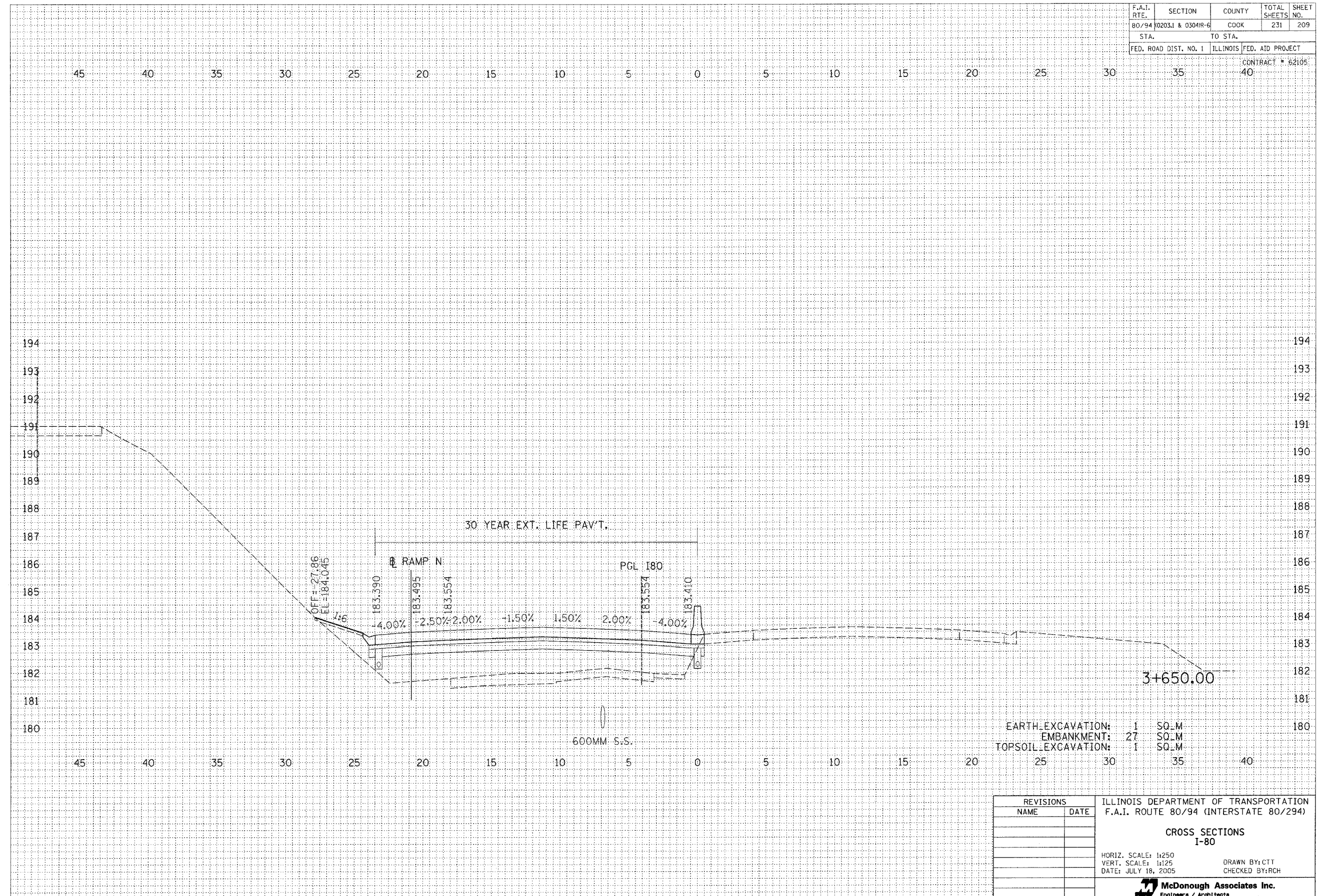
DRAWN BY: CTT
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

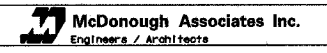
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	02031 & 0304R-6	COOK	231	209
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
				CONTRACT # 62105

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	REPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	REPLATE	
	AREAS CHECKED	

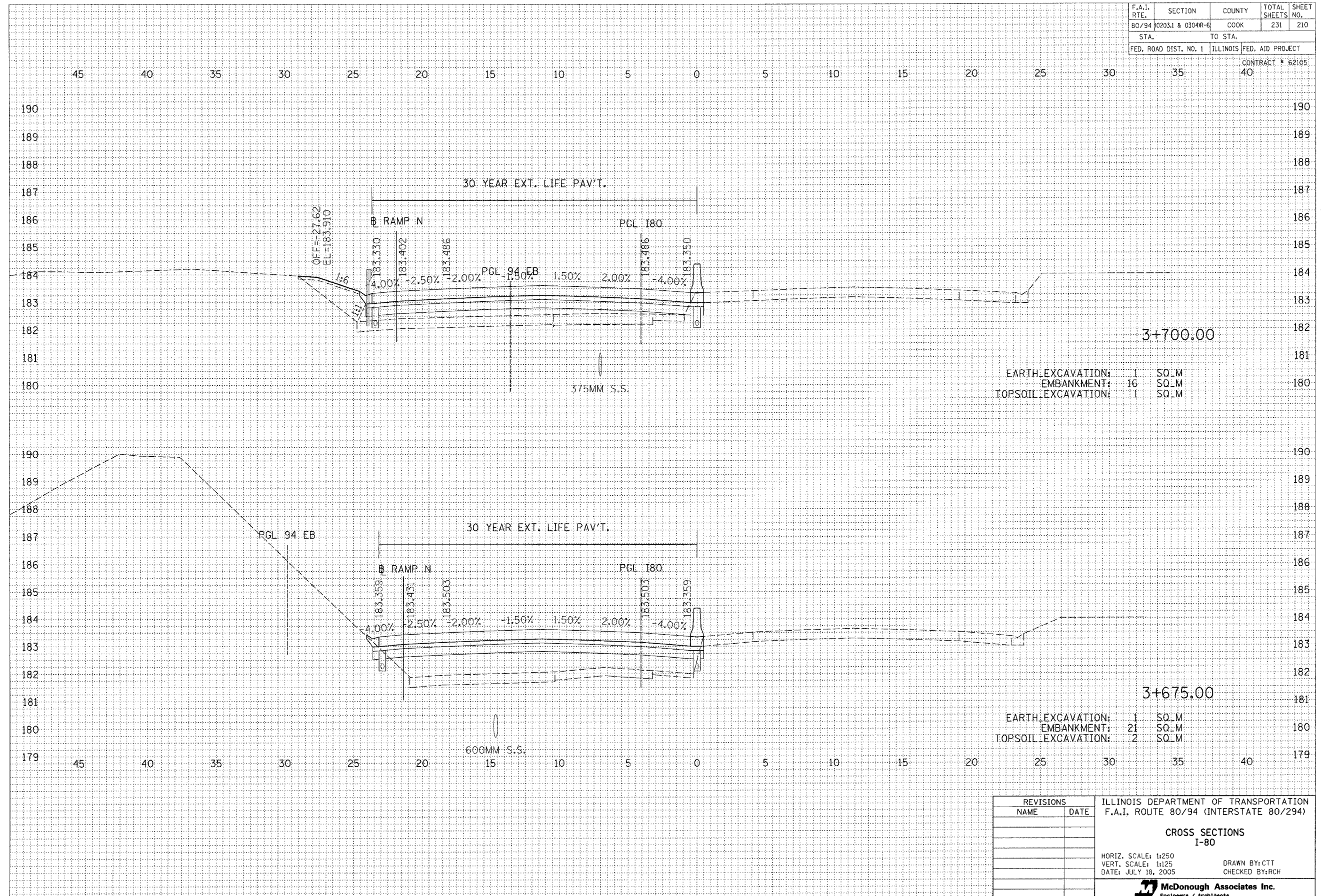


REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	210
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62105

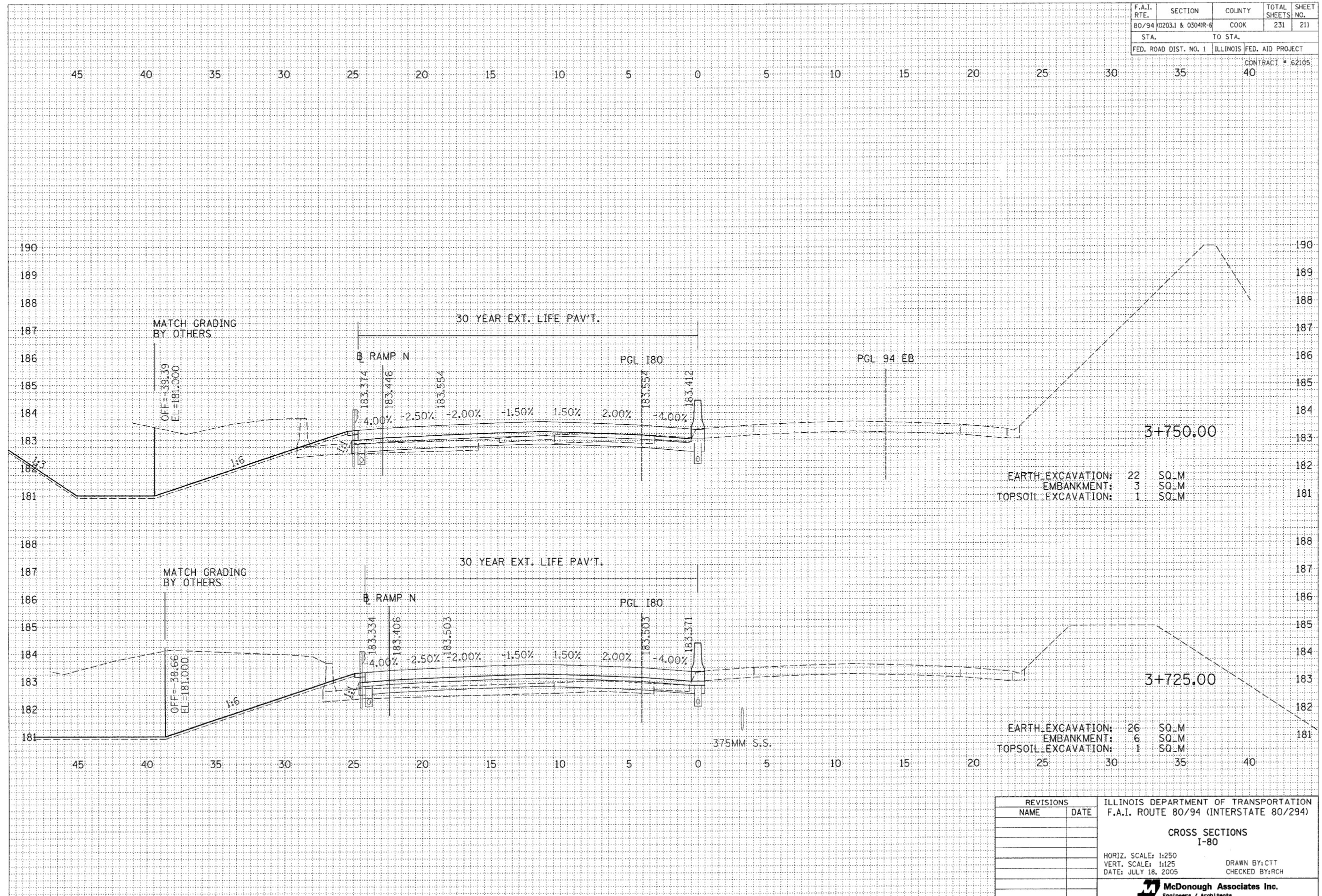


FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	AREAS	
	CHECKED	

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH McDonough Associates Inc. Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	211
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
			CONTRACT # 62105	



EARTH EXCAVATION: 22 SQ.M
 EMBANKMENT: 3 SQ.M
 TOPSOIL EXCAVATION: 1 SQ.M

EARTH EXCAVATION: 26 SQ.M
 EMBANKMENT: 6 SQ.M
 TOPSOIL EXCAVATION: 1 SQ.M

FINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		
AREAS CHECKED		

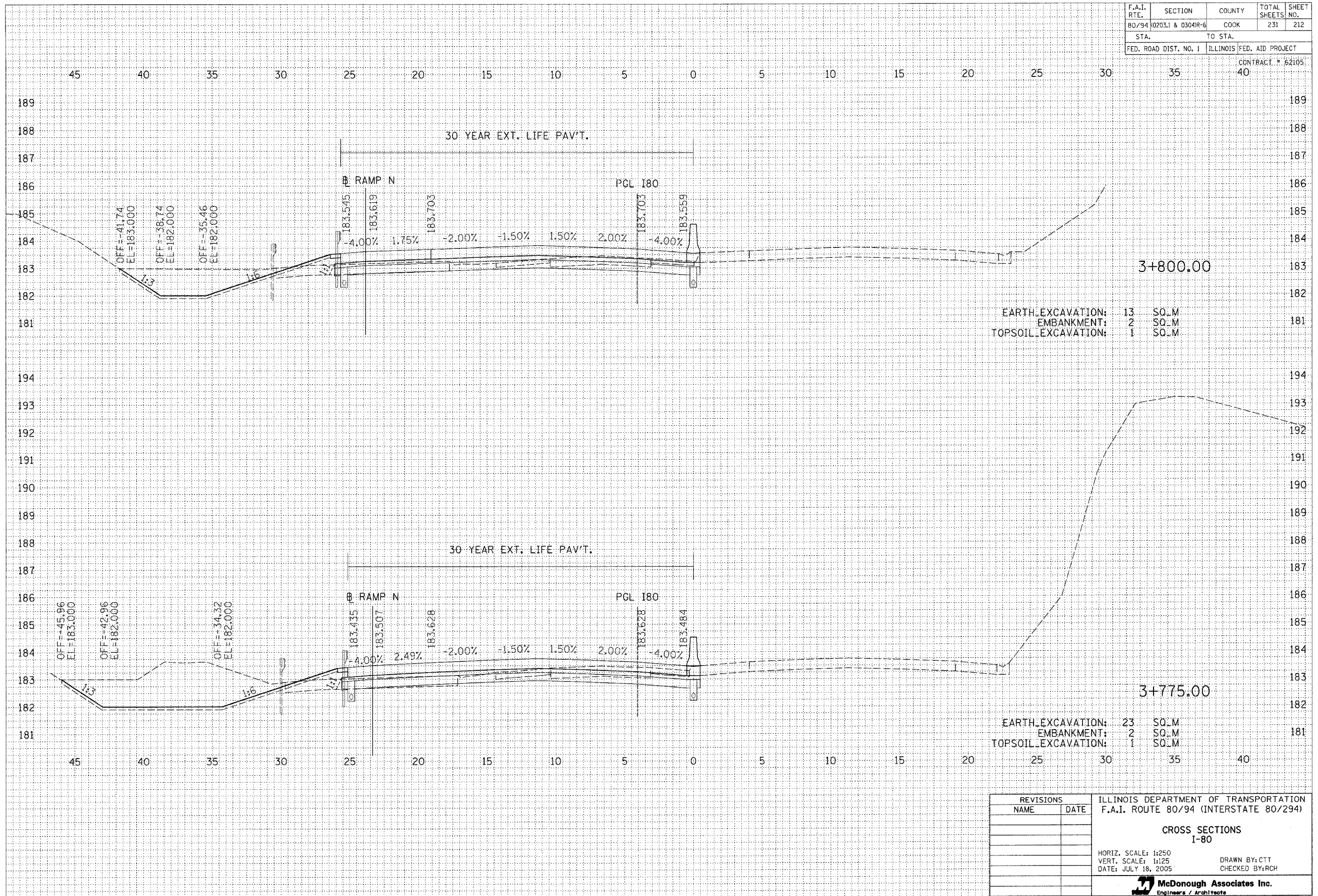
ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		
AREAS CHECKED		

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	212
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62105



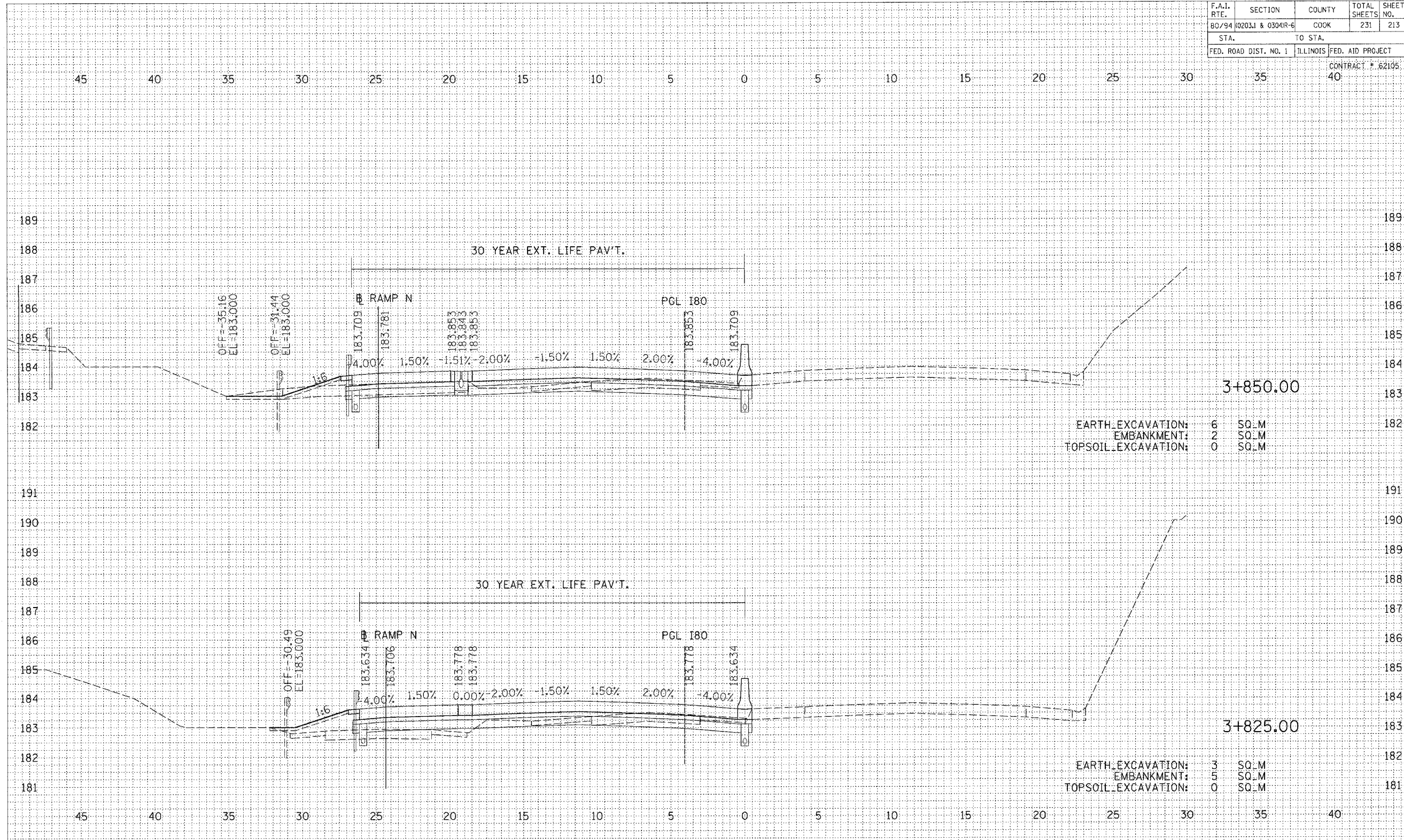
FINAL	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS		
CHECKED		

ORIGINAL	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS		
CHECKED		

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH McDonough Associates Inc. Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	213
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62195



EARTH EXCAVATION: 6 SQ.M
 EMBANKMENT: 2 SQ.M
 TOPSOIL EXCAVATION: 0 SQ.M

EARTH EXCAVATION: 3 SQ.M
 EMBANKMENT: 5 SQ.M
 TOPSOIL EXCAVATION: 0 SQ.M

FINAL	DATE
SURVEYED	
TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	

ORIGINAL	DATE
SURVEYED	
TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	

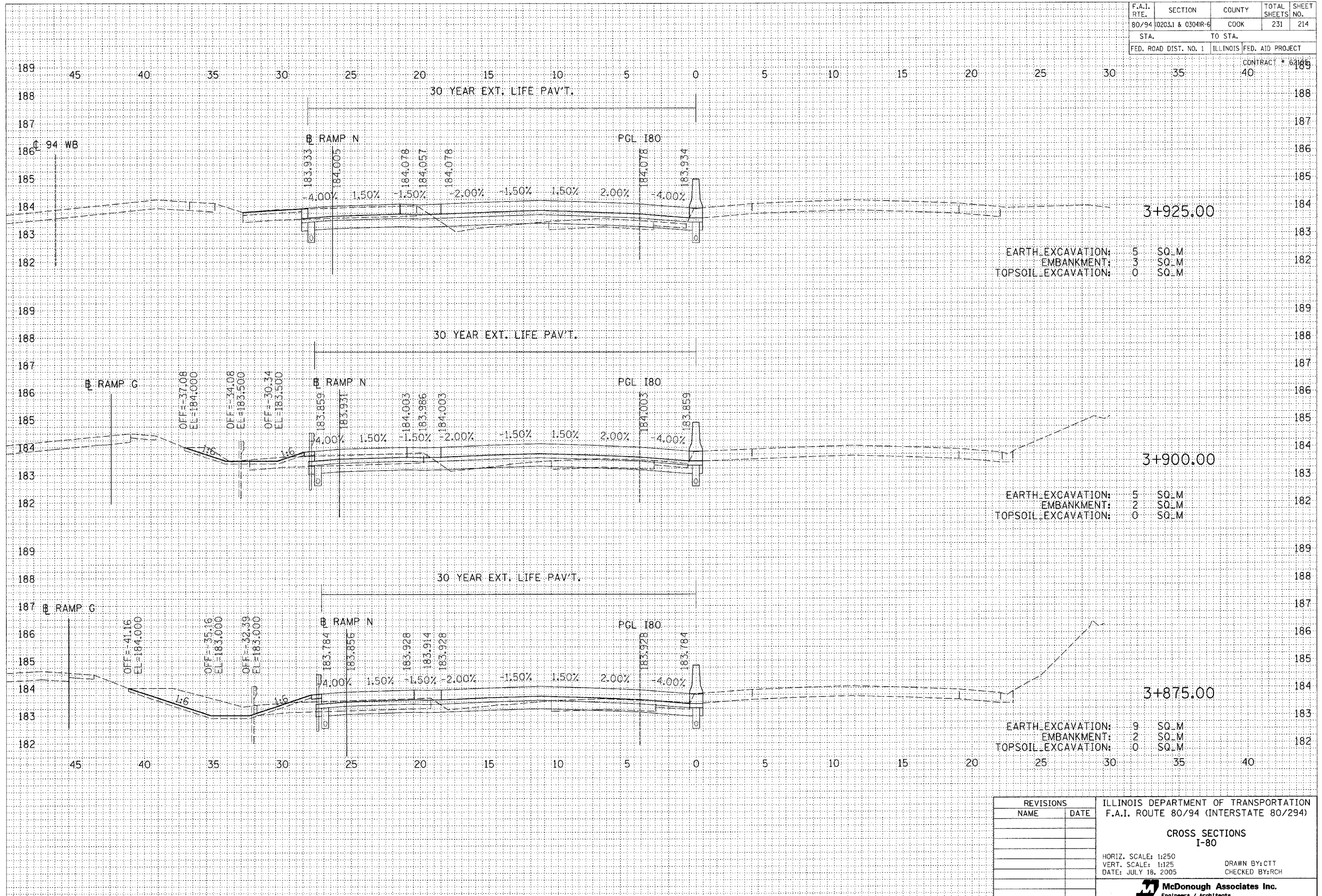
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH

McDonough Associates Inc.
 Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-C	COOK	231	214
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

DATE	BY
REVISIONS	
NO.	

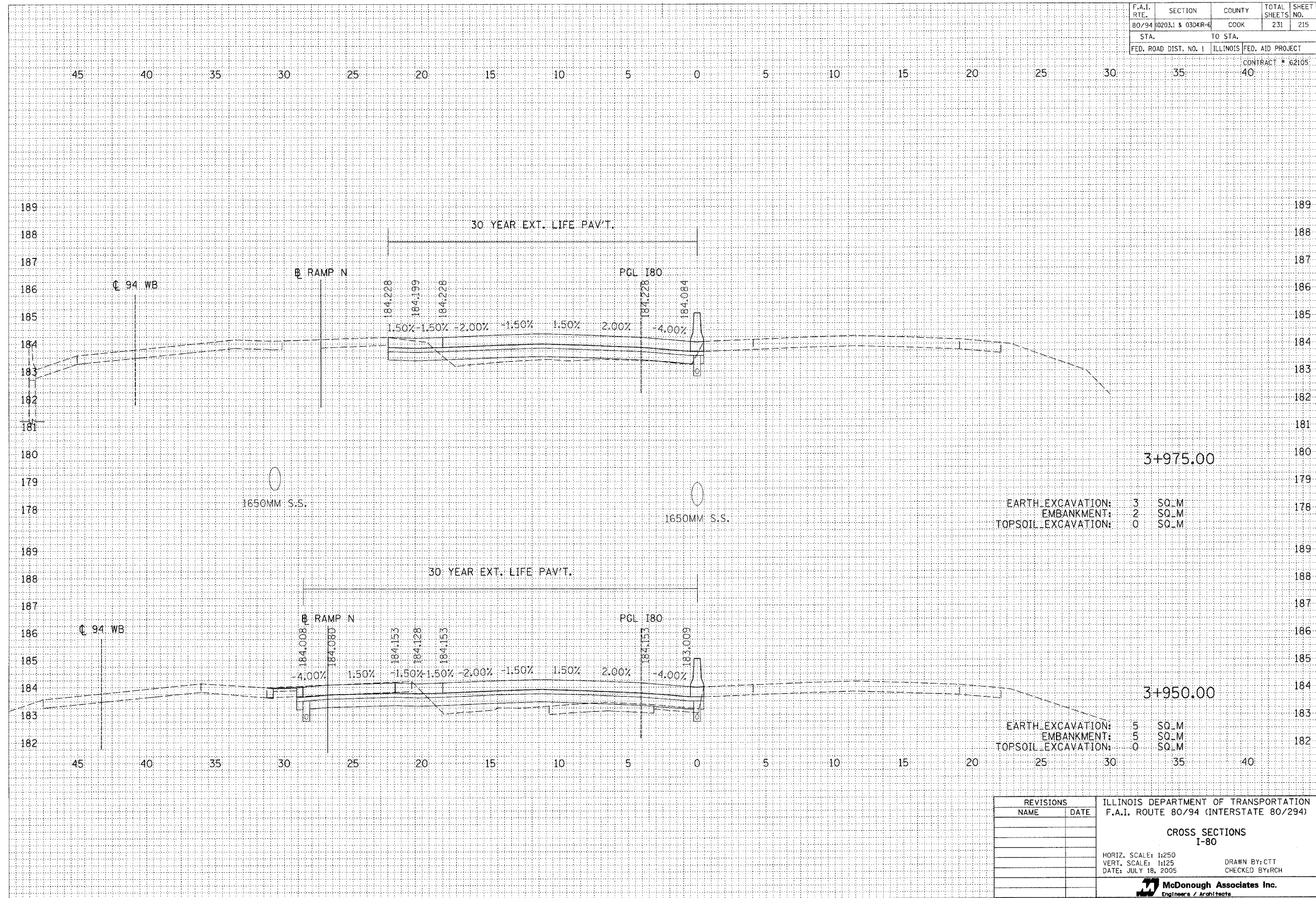
DATE	BY
REVISIONS	
NO.	



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	215
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT # 62105



EARTH EXCAVATION:	3	SO_M
EMBANKMENT:	2	SO_M
TOPSOIL EXCAVATION:	0	SO_M

EARTH EXCAVATION:	5	SO_M
EMBANKMENT:	5	SO_M
TOPSOIL EXCAVATION:	0	SO_M

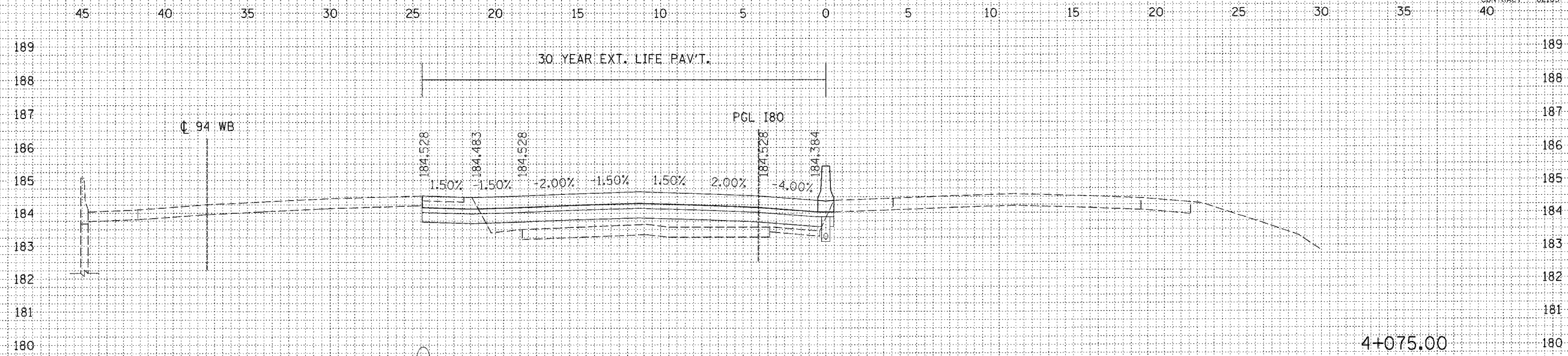
BY	DATE

BY	DATE

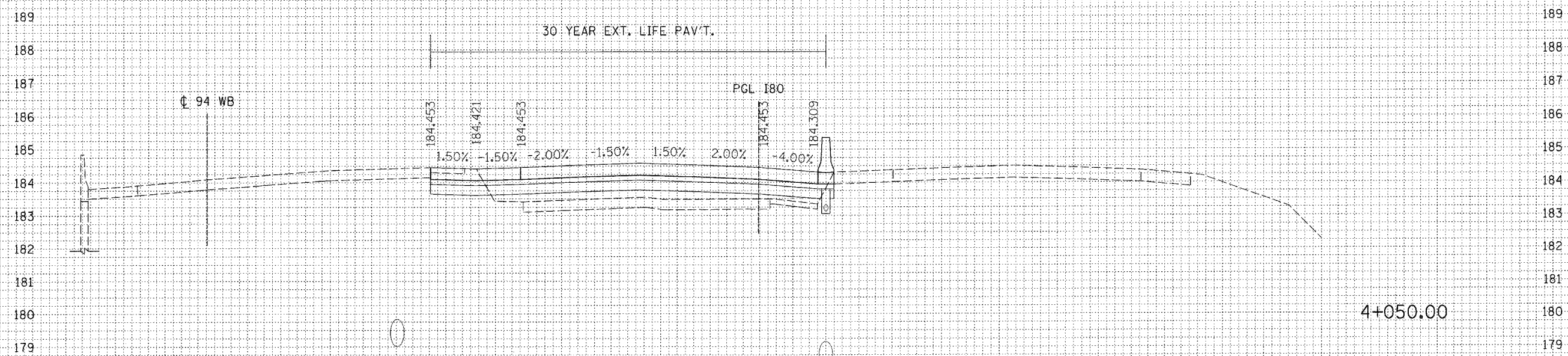
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH McDonough Associates Inc. Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	217
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT

CONTRACT # 62105
40



EARTH EXCAVATION:	3	SQ.M
EMBANKMENT:	9	SQ.M
TOPSOIL EXCAVATION:	0	SQ.M



EARTH EXCAVATION:	3	SQ.M
EMBANKMENT:	9	SQ.M
TOPSOIL EXCAVATION:	0	SQ.M

BY	DATE

BY	DATE

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

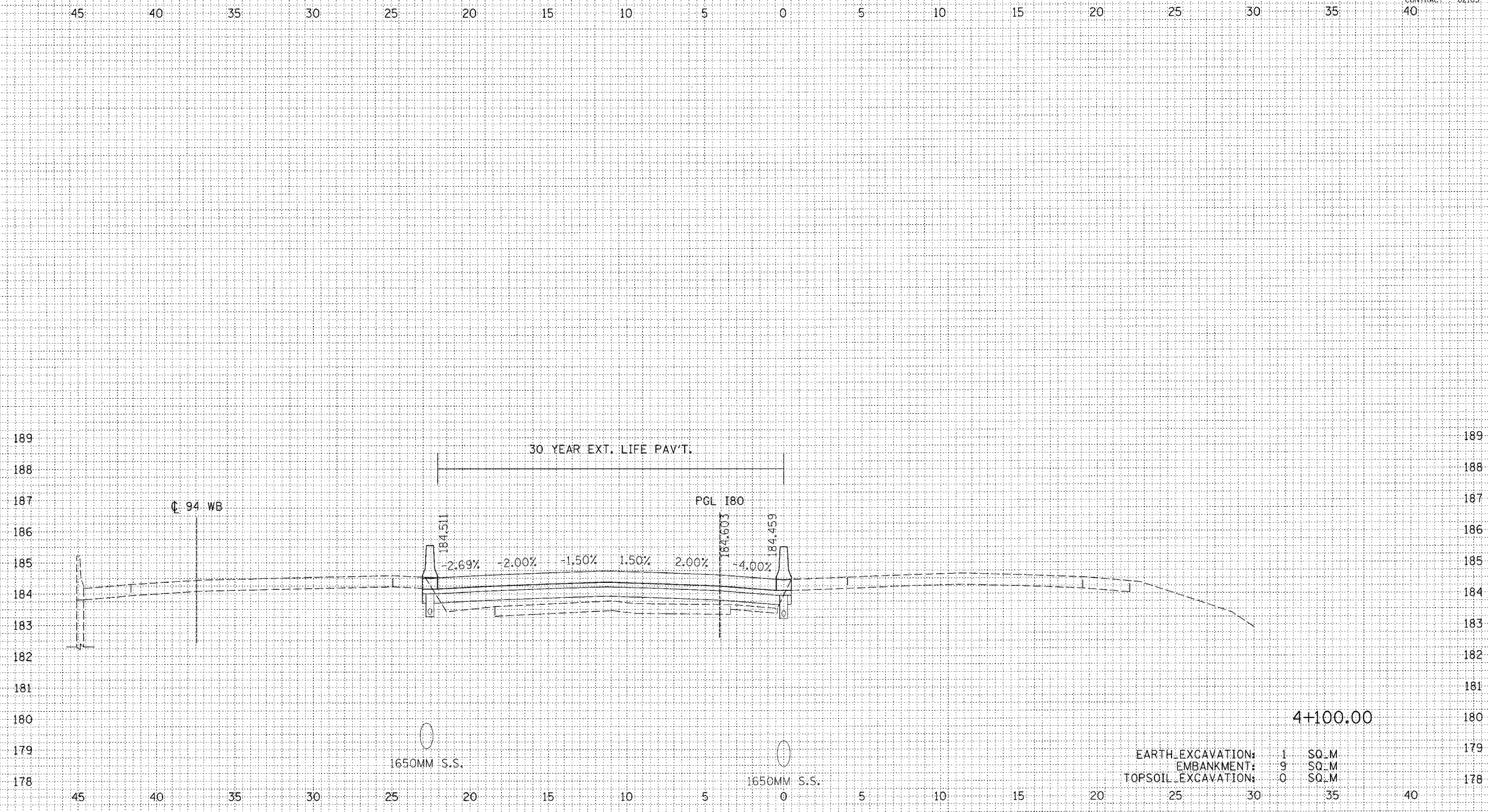
CROSS SECTIONS
I-80

HORIZ. SCALE: 1:250
VERT. SCALE: 1:125
DATE: JULY 18, 2005

DRAWN BY: CTT
CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	218
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
				CONTRACT # 62105
				40



FINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
TEMPLATE	
AREAS	
CHECKED	
NO.	

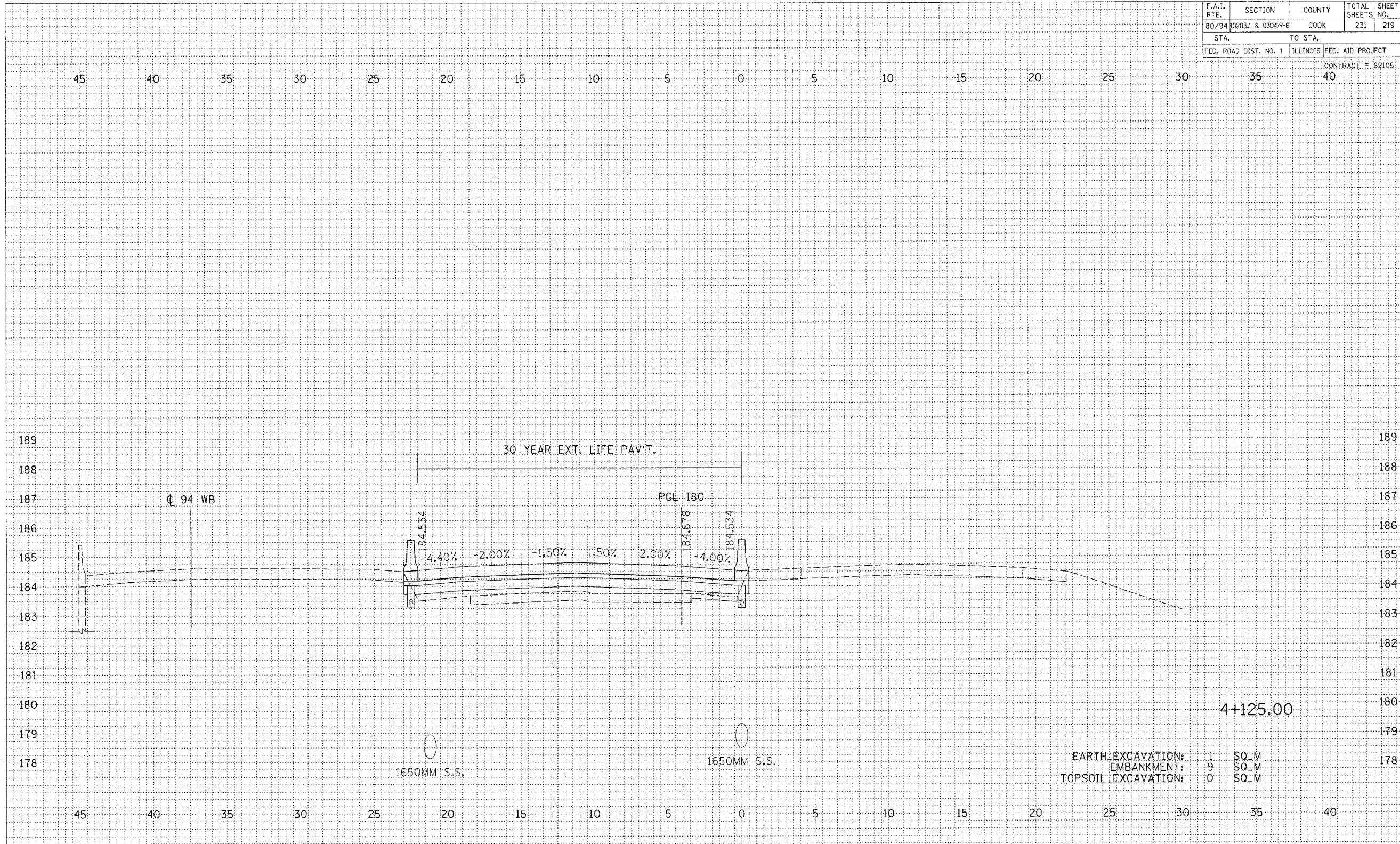
ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
TEMPLATE	
AREAS	
CHECKED	
NO.	

EARTH EXCAVATION:	1	SO. M
EMBANKMENT:	9	SO. M
TOPSOIL EXCAVATION:	0	SO. M

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH McDonough Associates Inc. Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	219
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62105



4+125.00

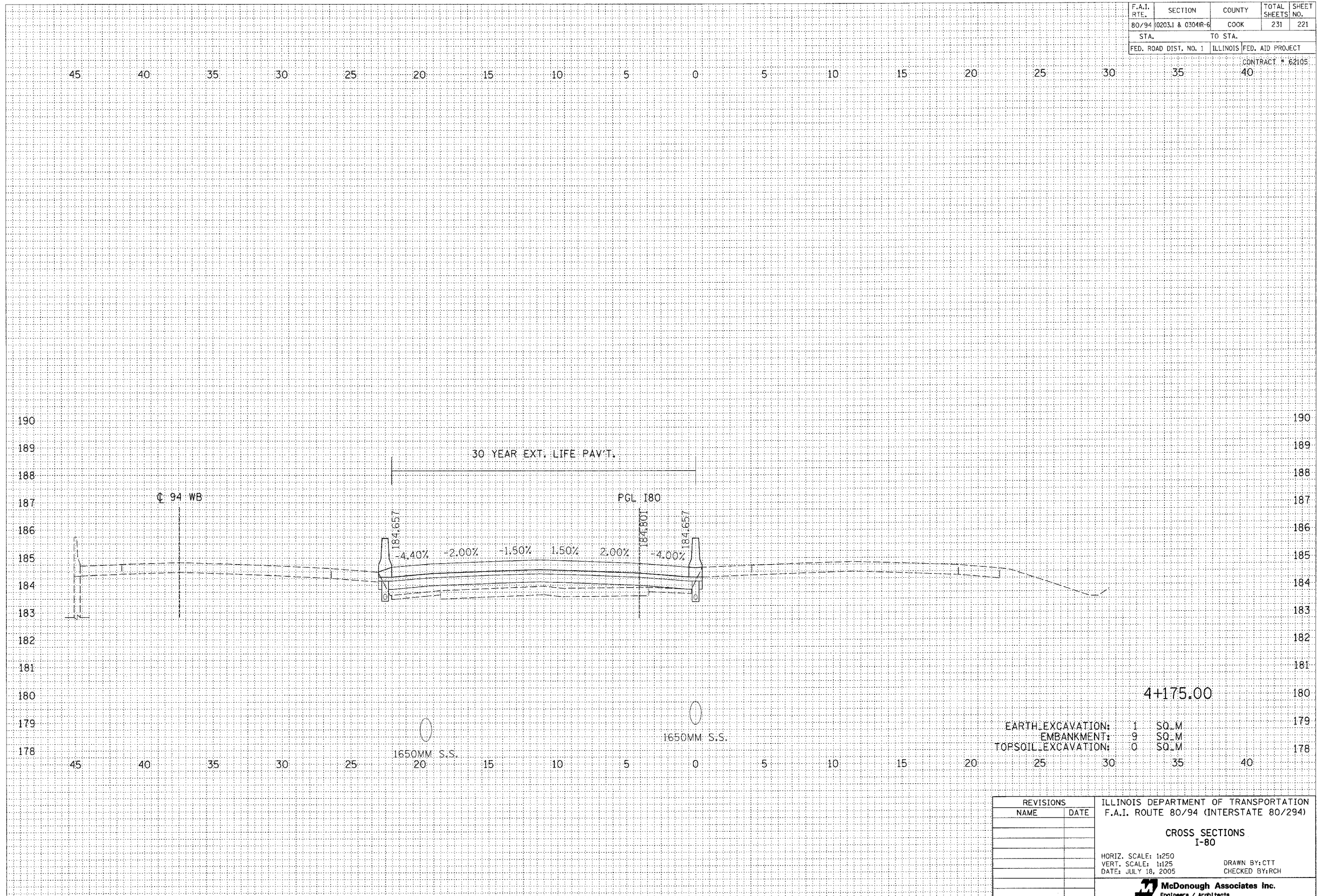
EARTH EXCAVATION:	1	SQ. M
EMBANKMENT:	9	SQ. M
TOPSOIL EXCAVATION:	0	SQ. M

FINAL SURVEY	DATE
BY	
REVISIONS	
NO.	

ORIGINAL SURVEY	DATE
BY	
REVISIONS	
NO.	

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH McDonough Associates Inc. Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	221
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
				CONTRACT # 62105



FINAL SURVEY	BY	DATE
REVISED SURVEY		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
REVISED SURVEY		
NOTE BOOK		
NO.		

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		<p>CROSS SECTIONS I-80</p> <p>HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005</p> <p>DRAWN BY:CTT CHECKED BY:RCH</p> <p>McDonough Associates Inc. Engineers / Architects</p>

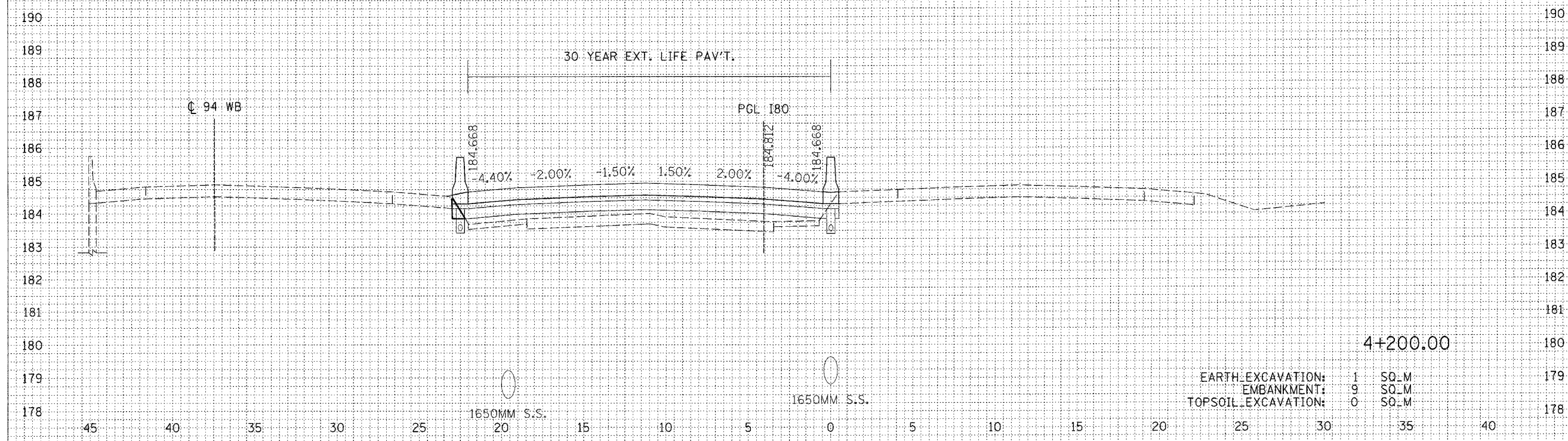
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	222
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62195
40

45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40

FINAL SURVEY	BY	DATE
REVISIONS		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
REVISIONS		
NOTE BOOK		
AREAS CHECKED		
NO.		



EARTH EXCAVATION:	1	SQ-M	179
EMBANKMENT:	9	SQ-M	179
TOPSOIL EXCAVATION:	0	SQ-M	178

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	F.A.I. ROUTE 80/94 (INTERSTATE 80/294)	
		CROSS SECTIONS	
		I-80	
		HORIZ. SCALE: 1:250	
		VERT. SCALE: 1:125	
		DATE: JULY 18, 2005	
		DRAWN BY: CTT	
		CHECKED BY: RCH	
		 McDonough Associates Inc. Engineers / Architects	

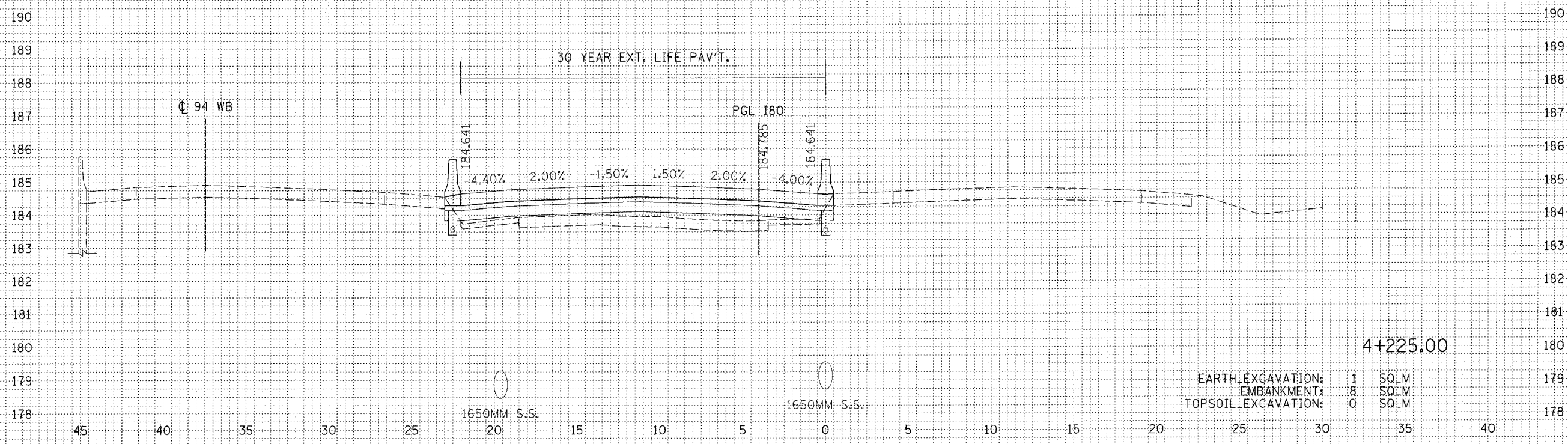
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	223
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62105

45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40

FINAL SURVEY	BY	DATE
REVISIONS		
NOTED		
PLANNED		
TEMPLATE		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
REVISIONS		
NOTED		
PLANNED		
TEMPLATE		
AREAS CHECKED		
NO.		

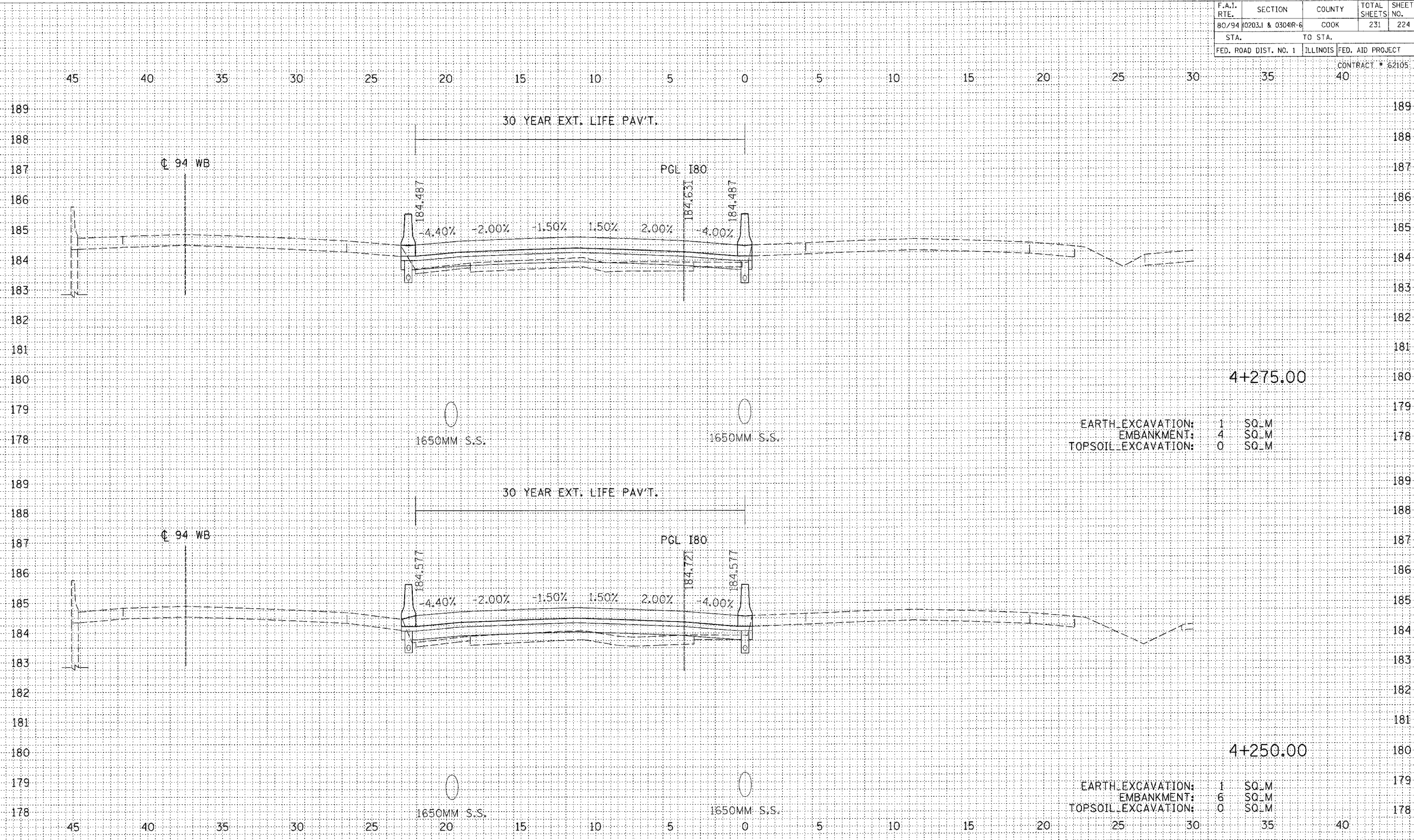


4+225.00	
EARTH EXCAVATION:	1 SQ_M
EMBANKMENT:	8 SQ_M
TOPSOIL EXCAVATION:	0 SQ_M

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80
		HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005
		DRAWN BY:CTT CHECKED BY:RCH
		McDonough Associates Inc. Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	224
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62105



EARTH EXCAVATION: 1 SQ.M
 EMBANKMENT: 4 SQ.M
 TOPSOIL EXCAVATION: 0 SQ.M

EARTH EXCAVATION: 1 SQ.M
 EMBANKMENT: 6 SQ.M
 TOPSOIL EXCAVATION: 0 SQ.M

DATE	BY

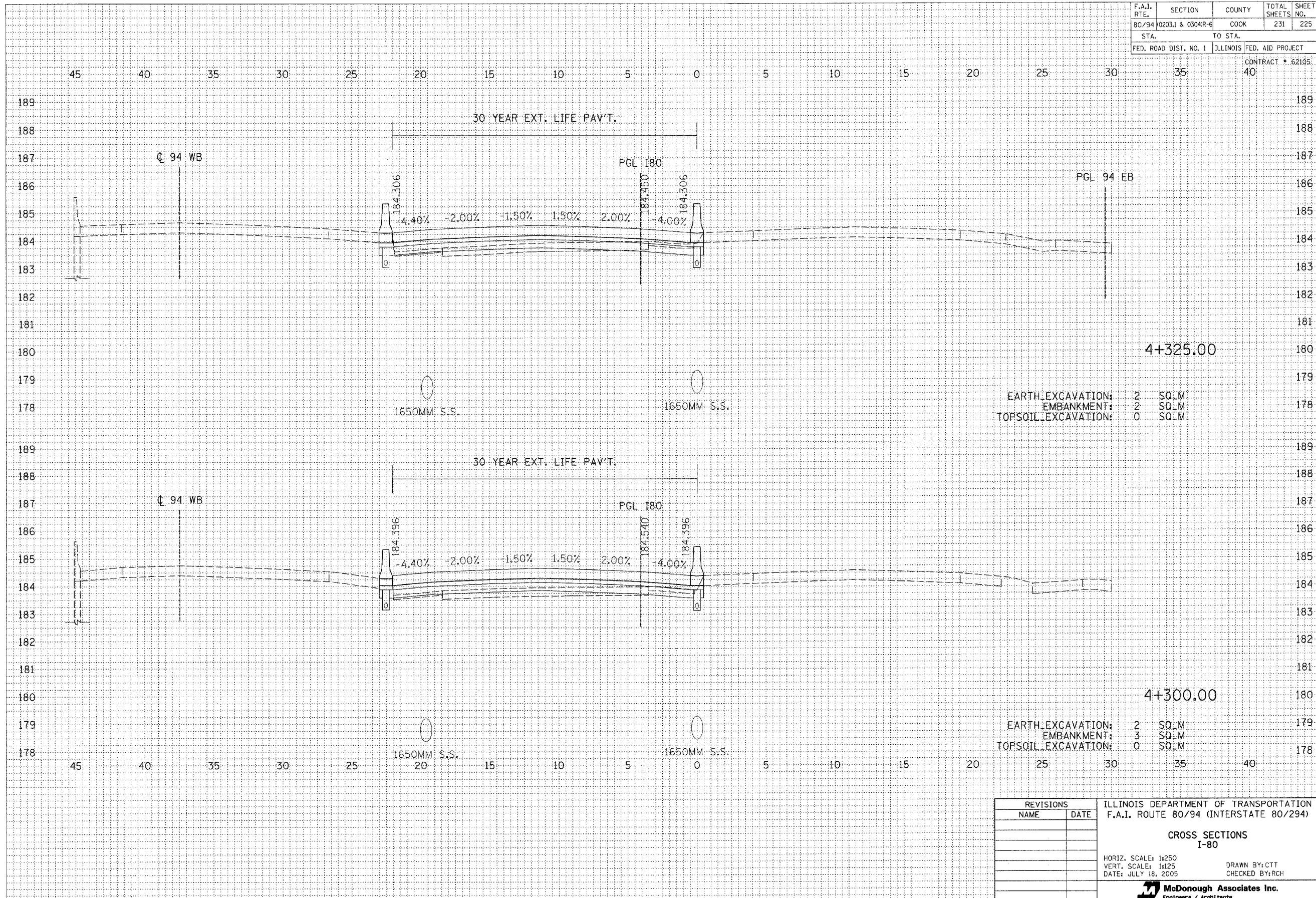
DATE	BY

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH

McDonough Associates Inc.
 Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	225
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62195
40



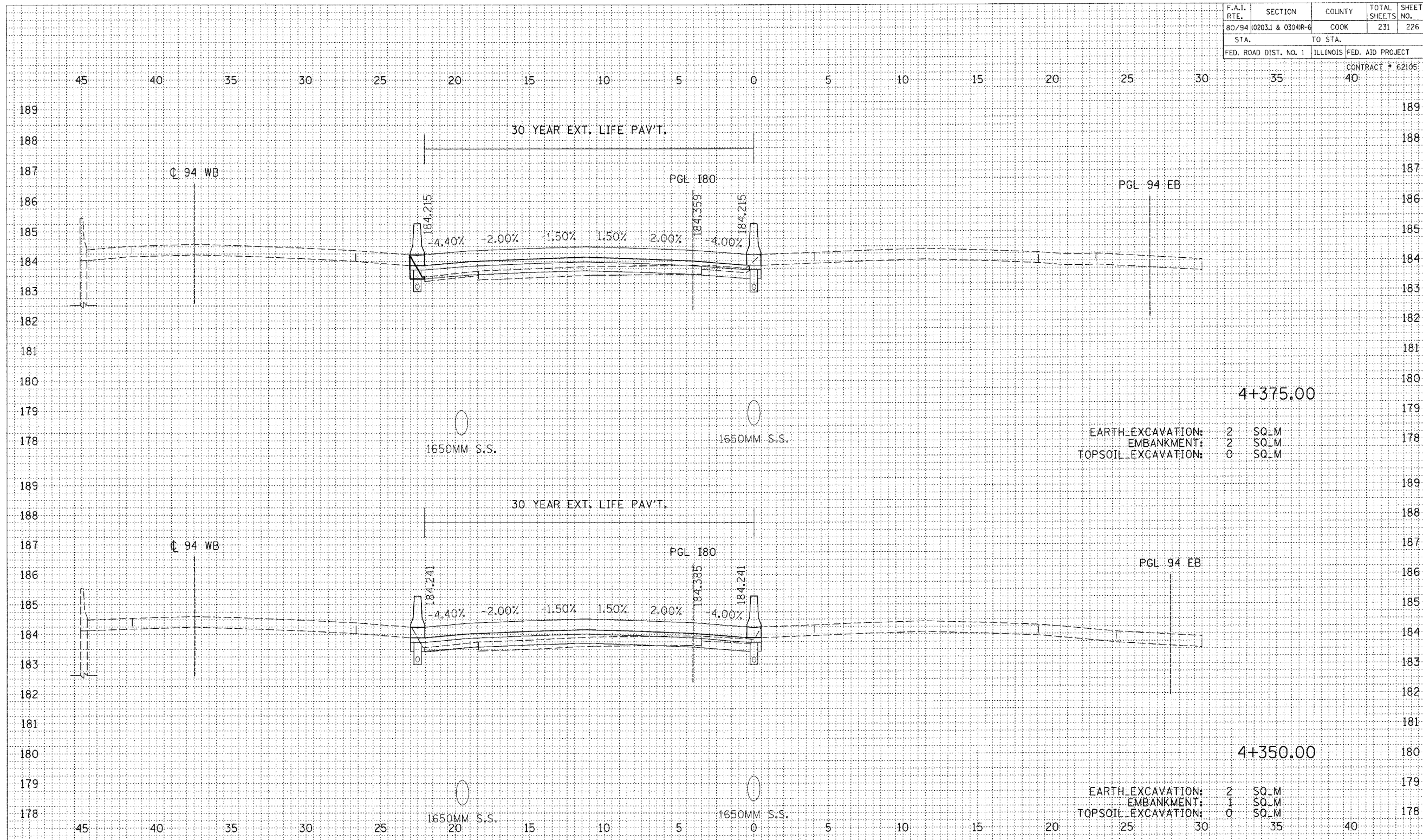
DATE	BY

DATE	BY

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		<p>CROSS SECTIONS I-80</p> <p>HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005</p> <p>DRAWN BY: CTT CHECKED BY: RCH</p> <p>McDonough Associates Inc. Engineers / Architects</p>

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	226
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62105



EARTH EXCAVATION: 2 SQ.M
 EMBANKMENT: 2 SQ.M
 TOPSOIL EXCAVATION: 0 SQ.M

EARTH EXCAVATION: 2 SQ.M
 EMBANKMENT: 1 SQ.M
 TOPSOIL EXCAVATION: 0 SQ.M

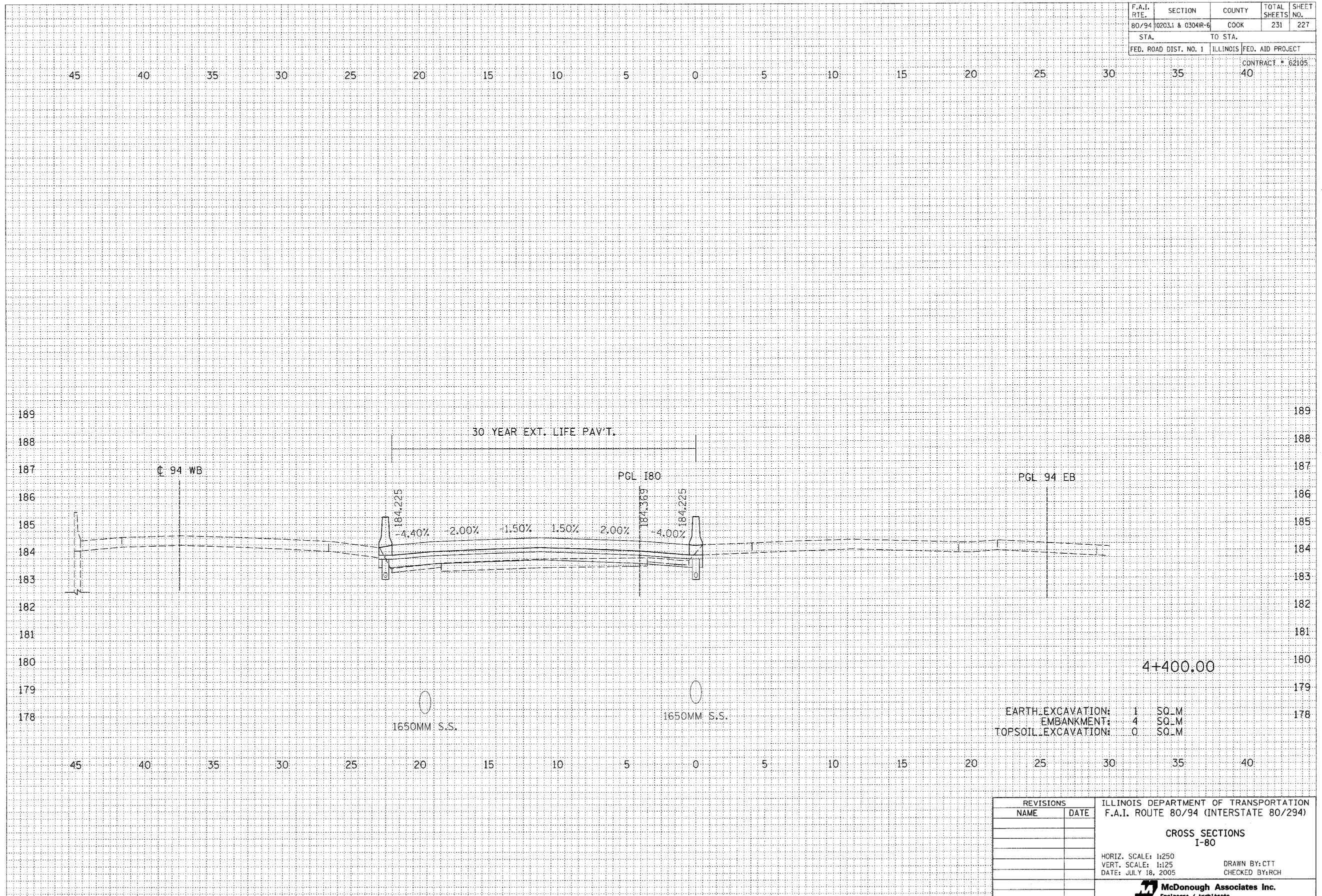
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY:CTT CHECKED BY:RCH

McDonough Associates Inc.
 Engineers / Architects

NO.	AREAS CHECKED	BY	DATE

NO.	AREAS CHECKED	BY	DATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	227
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
				CONTRACT # 62105



FINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		

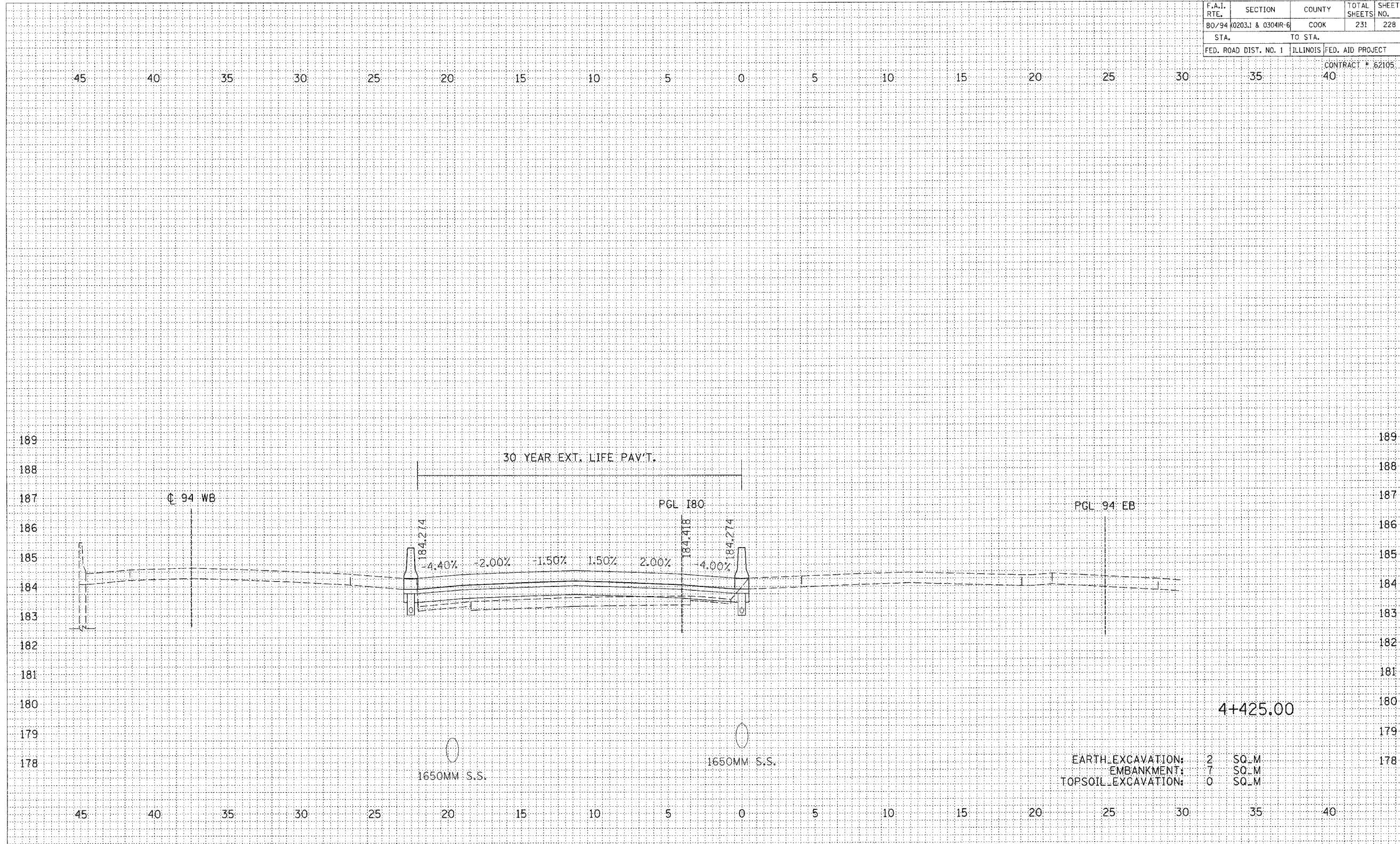
ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		

EARTH EXCAVATION: 1 SQ.M
 EMBANKMENT: 4 SQ.M
 TOPSOIL EXCAVATION: 0 SQ.M

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	228
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62105



EARTH EXCAVATION:	2	SQ_M
EMBANKMENT:	7	SQ_M
TOPSOIL EXCAVATION:	0	SQ_M

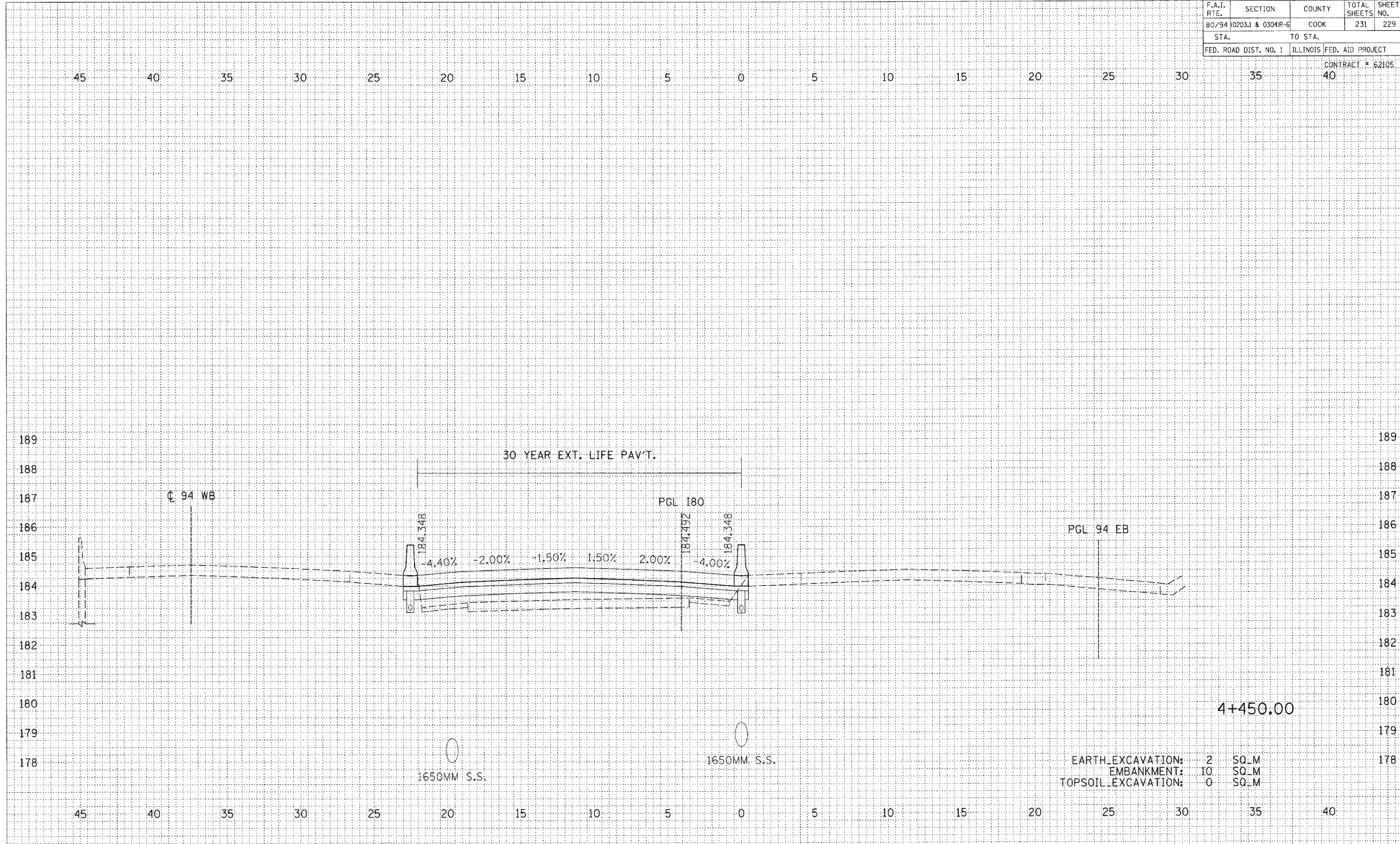
FINAL SURVEY	DATE
BY	
NO. OF SHEETS	
NO. OF PAGES	
NO. OF PLATES	
NO. OF NOTES	
NO. OF AREAS CHECKED	

ORIGINAL SURVEY	DATE
BY	
NO. OF SHEETS	
NO. OF PAGES	
NO. OF PLATES	
NO. OF NOTES	
NO. OF AREAS CHECKED	

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	F.A.I. ROUTE 80/94 (INTERSTATE 80/294)	
		CROSS SECTIONS	
		I-80	
		HORIZ. SCALE: 1:250	DRAWN BY: CTT
		VERT. SCALE: 1:125	CHECKED BY: RCH
		DATE: JULY 18, 2005	
		 McDonough Associates Inc. Engineers / Architects	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	229
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62105



EARTH EXCAVATION: 2 SQ.M
 EMBANKMENT: 10 SQ.M
 TOPSOIL EXCAVATION: 0 SQ.M

4+450.00

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH McDonough Associates Inc. Engineers / Architects

FINAL SURVEY	DATE
NO.	
BY	
PLotted	
DATE	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
NO.	
BY	
PLotted	
DATE	
AREAS CHECKED	

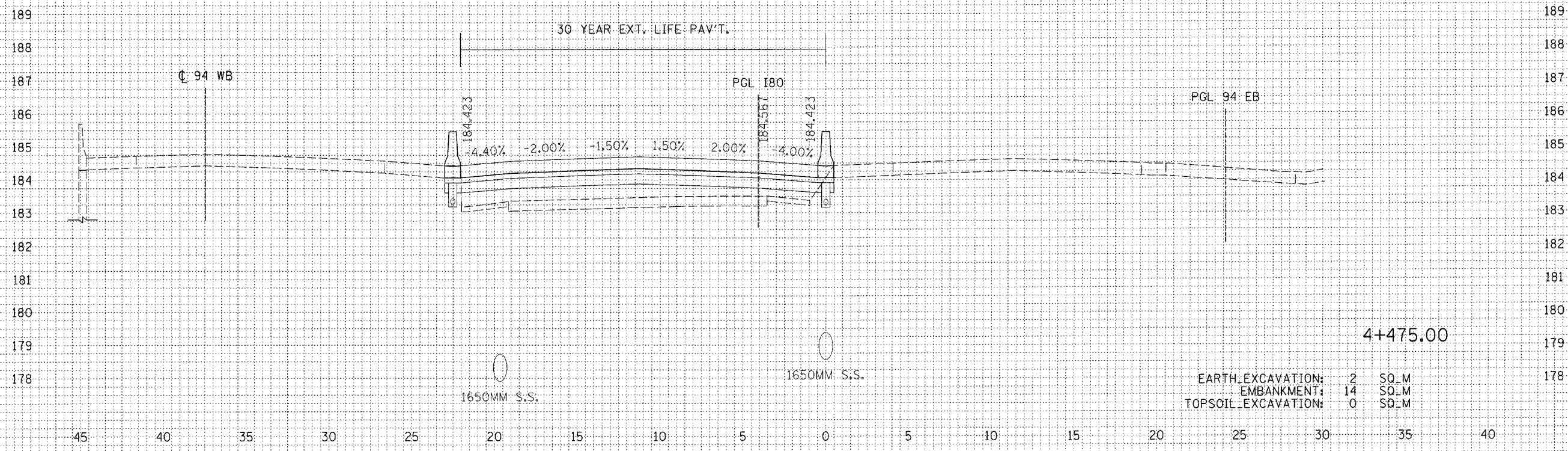
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	230
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62105

45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40

FINAL SURVEY	BY	DATE
REVISIONS		
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
REVISIONS		
NOTE BOOK		
AREAS CHECKED		



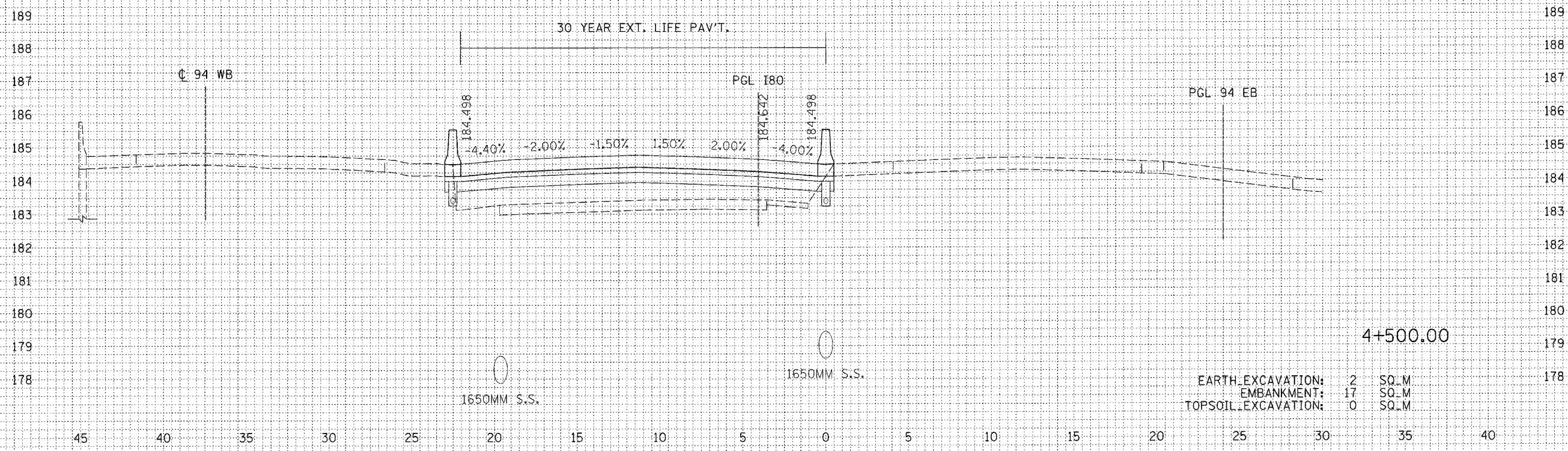
EARTH EXCAVATION: 2 SQ.M
 EMBANKMENT: 14 SQ.M
 TOPSOIL EXCAVATION: 0 SQ.M

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)	
NAME	DATE		
		CROSS SECTIONS I-80	
		HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005	
		DRAWN BY: CTT CHECKED BY: RCH	
		 McDonough Associates Inc. Engineers / Architects	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	231
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT # 62105

45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40



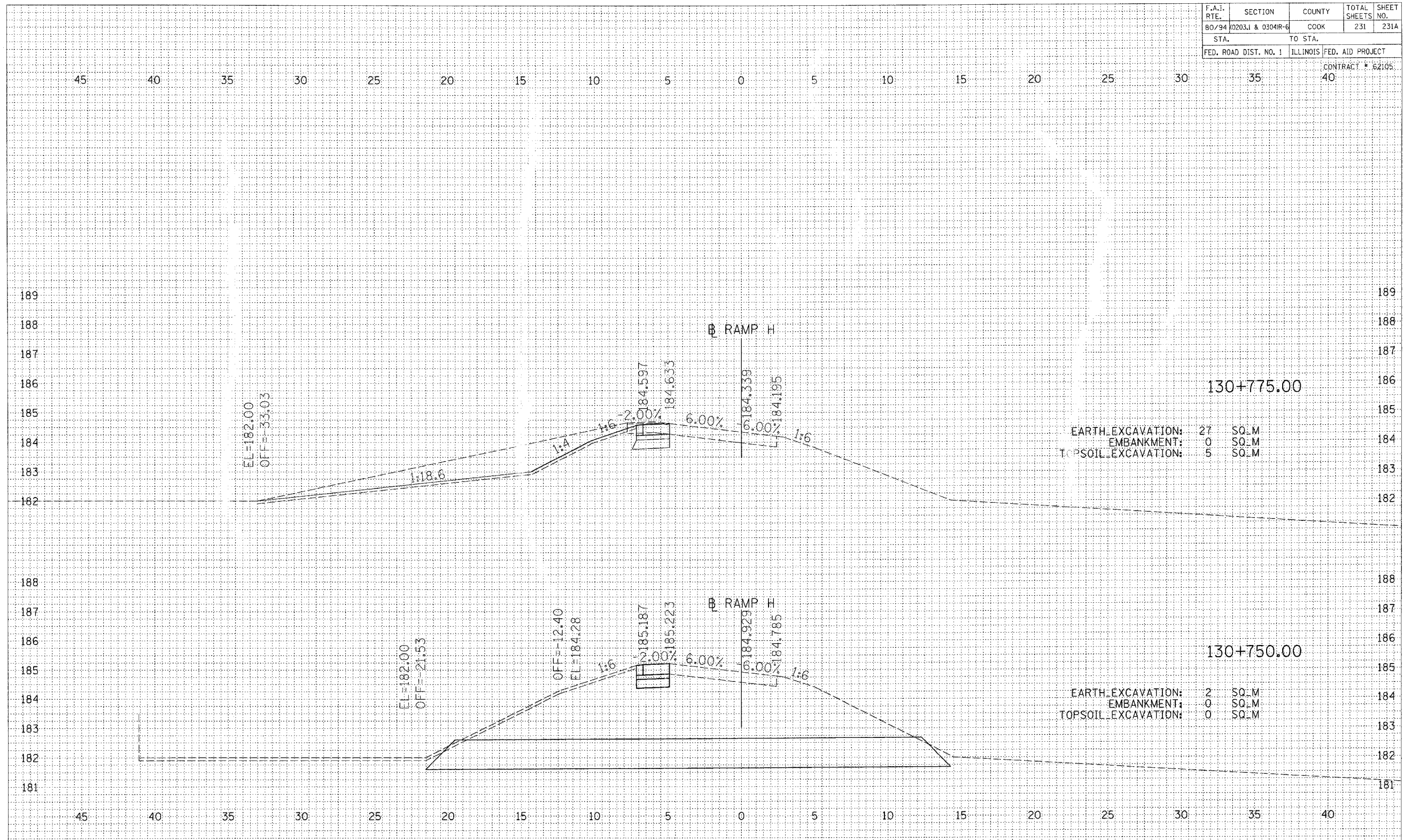
FINAL SURVEY	BY	DATE
SUBMITTED		
NOTED		
TEMPLATE		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SUBMITTED		
NOTED		
TEMPLATE		
AREAS CHECKED		

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS I-80 HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: CTT CHECKED BY: RCH

McDonough Associates Inc.
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203J & 0304R-6	COOK	231	231A
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT		CONTRACT # 62105	
			40	

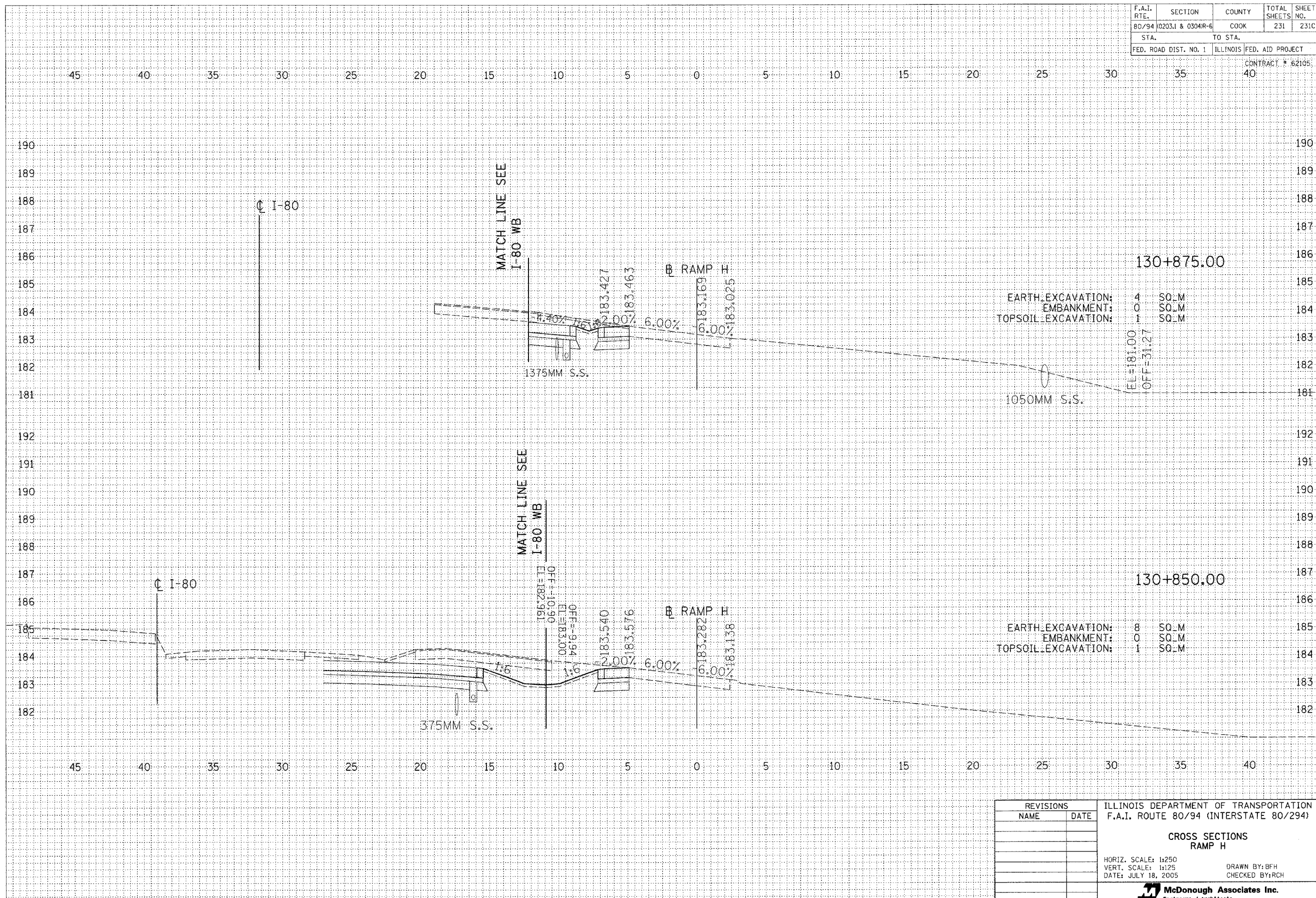


BY	DATE

BY	DATE

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		<p>CROSS SECTIONS RAMP H</p> <p>HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005</p> <p>DRAWN BY: BFH CHECKED BY: RCH</p> <p>McDonough Associates Inc. Engineers / Architects</p>

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1 & 0304R-6	COOK	231	231C
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT # 62105				



FINAL SURVEY	BY	DATE
REVISIONS		
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
REVISIONS		
NOTE BOOK		
AREAS CHECKED		

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		CROSS SECTIONS RAMP H HORIZ. SCALE: 1:250 VERT. SCALE: 1:125 DATE: JULY 18, 2005 DRAWN BY: BFH CHECKED BY: RCH McDonough Associates Inc. Engineers / Architects