

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FAU RTE 1548 (79th ST) & FAU RTE 2757 (ROBERTS RD)
SIDEWALK CONSTRUCTION
CORK AVE TO ROBERTS RD ON 79th ST
79th ST TO I-294 TOLLWAY ON ROBERTS RD
SECTION NO. 01-00024-00-SW
PROJECT NO: CMM-9003(287)
JOB NO: C-91-499-09
VILLAGE OF JUSTICE
COOK COUNTY

FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	1
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				



INDEX TO SHEETS:

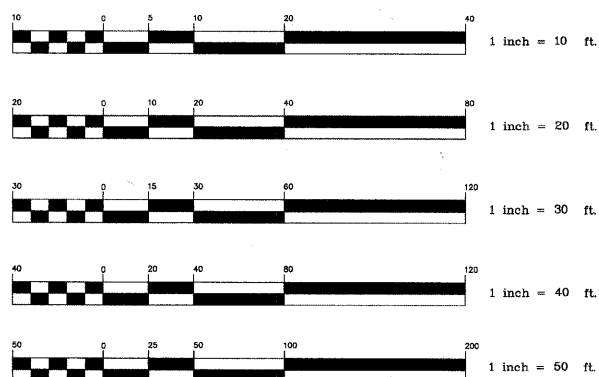
SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	GENERAL NOTES
3.	SUMMARY OF QUANTITIES
4-6.	TYPICAL SECTIONS
7-15.	PLAN SHEETS
15.	SIGN INVENTORY
16-18.	EROSION AND SEDIMENT CONTROL PLANS
19.	EROSION AND SEDIMENT CONTROL NOTES
20.	STREET RETURN DETAILS, PIPE HANDRAIL DETAIL, RETAINING WALL DETAIL & HOT-MIX ASPHALT MIXTURE CHART
21.	DISTRICT 1 DETAIL-TC10-TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS
22.	DISTRICT 1 DETAIL-TC13-TYPICAL PAVEMENT MARKINGS
23-24.	CROSS-SECTIONS; ROBERTS ROAD R.O.W.

HIGHWAY STANDARDS:

STANDARD NO.	DESCRIPTION
000001-06:	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05:	TEMPORARY EROSION CONTROL SYSTEMS
424001-05:	CURB RAMPS FOR SIDEWALKS
604036-02:	GRATE TYPE B
606001-04:	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701606-07:	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701801-04:	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01:	TRAFFIC CONTROL DEVICES
780001-02:	TYPICAL PAVEMENT MARKINGS

ADT=32,500 (2006) 79th STREET
 =22,500 (2006) ROBERTS ROAD
 SPEED LIMIT=35 MPH (ROBERTS RD)
 =45 MPH (79th ST)
 DESIGN SPEED = 35 MPH (ROBERTS RD)
 =45 MPH (79th ST)

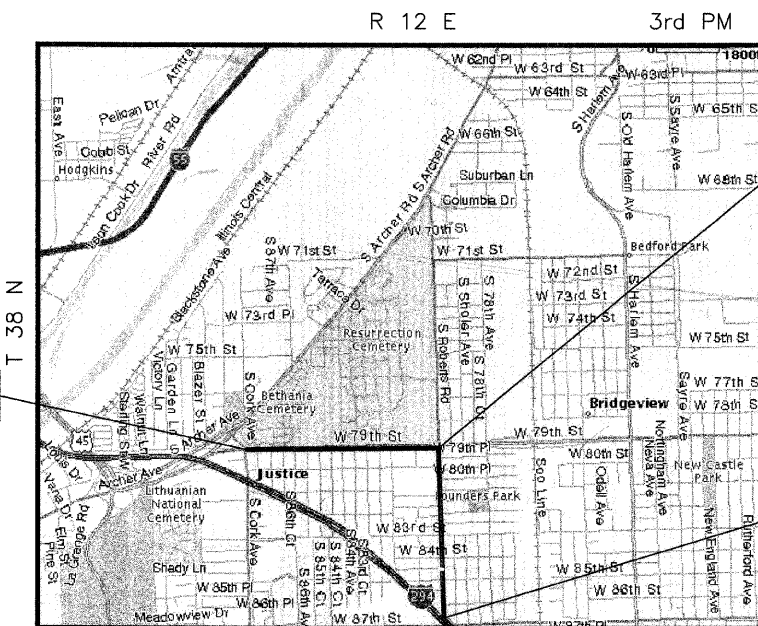
DESIGN DESIGNATION = MINOR ARTERIAL



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

J.U.L.I.E.
 JOINT UTILITY LOCATION FOR EXCAVATION
 1-800-892-0123 -OR- 811

CONTRACT NO. 63441



PROJECT BEGINS AT STA. 9+99

INTERSECTION STA 62+50

PROJECT ENDS AT STA. 112+83

hbe Hoeffler-Butler Engineering, Inc.
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 184-000819
 8714 S. ROBERTS ROAD HICKORY HILLS, ILLINOIS 60457
 (708) 599-8980 FAX (708) 599-8790

GROSS LENGTH OF PROJECT 10,284 FEET (1.95 MILES)
 NET LENGTH OF PROJECT 10,284 FEET (1.95 MILES)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

APPROVED 3-28 . 2011
[Signature]
 VILLAGE OF JUSTICE PRESIDENT

PASSED APRIL 11 . 2011
[Signature]
 DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW
APRIL 11 . 2011
[Signature]
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

STEPHEN A. LEIBER
 38352 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
[Signature]
 /SIGNATURE
3/28/11
 DATE

EXPIRES 11-30-11

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, PE 1-847-705-4406 SCHAUMBURG, IL
 CONSULTANT: HOEFFLER-BUTLER ENGINEERING, INC. 1-708-599-8980

HBE JOB# 09-705

GENERAL NOTES

FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	2
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 63441				

UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNER OF ALL EXISTING FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTORS SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE VILLAGE DOES NOT GUARANTEE THEIR ACCURACY, THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS OWN EXPENSE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE VILLAGE. THIS WORK SHALL BE AT THE CONTRACTORS EXPENSE.

COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)

STORM SEWER

WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) OR MANHOLES TO BE ADJUSTED.

ANY EXISTING OR PROPOSED STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT HIS OR HER OWN EXPENSE.

RESTORATION

CONTRACTOR IS TO RESTORE ALL UNPAVED AREAS DAMAGED DURING CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITION INCLUDING THE FINE GRADING AND SODDING OR SEEDING OF AREAS WITHIN EASEMENTS AND RIGHTS-OF-WAY.

TRAFFIC SIGNS

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

THE COOK COUNTY TRAFFIC FIELD OFFICE SHALL BE CONTACTED PRIOR TO ANY REMOVAL AND RELOCATION OF TRAFFIC AND PARKING SIGNS ON ROBERTS ROAD.

THE COST OF REMOVAL AND RE-INSTALLATION OF TRAFFIC SIGNS WHICH ARE IN CONFLICT WITH, BLOCK ACCESS TO THE PROPOSED WORK, OR INHIBIT CONSTRUCTION IN ANY WAY, SHALL BE PAID FOR IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.

MISCELLANEOUS

ACCESS: THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT, EXCEPT FOR PERIODS OF SHORT DURATION.

DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

ALL SAWCUTTING SHALL BE INCLUDED IN THE UNIT OF COST OF REMOVAL ITEMS AND SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT.

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED. (ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.) TYPE III BARRICADES SHALL HAVE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.

ANY EXISTING PAVEMENT DAMAGED BY THE CONTRACTOR DURING THE CONSTRUCTION SHALL BE REPLACED/REPAIRED BY THE CONTRACTOR AT HIS/HERS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER WITH NO ADDITIONAL COMPENSATION TO THE CONTRACTOR.

STAKING

THE CONTRACTOR SHALL TAKE CARE TO PROTECT AND PRESERVE ALL STAKING AND MARKING DURING CONSTRUCTION. CONTINUOUS DESTRUCTION OF STAKES AS A RESULT OF CARELESSNESS MAY RESULT IN DAMAGES.

HOEFFERLE-BUTLER ENGINEERING SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK. THEY SHALL BE NOTIFIED AT LEAST 72 HOURS IN ADVANCE IF CONSTRUCTION STAKING IS REQUIRED.

the Hoefler-Butler Engineering, Inc.
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 044-00893
 874 S. ROBERTS ROAD, HICKORY HILLS, ILLINOIS 60437
 (708) 599-8980 FAX (708) 599-8796

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF JUSTICE 79th STREET & ROBERTS ROAD SIDEWALK CONSTRUCTION CORK AVENUE TO ROBERTS ROAD 79th STREET TO I-294 GENERAL NOTES
NAME	DATE	
JMH PER REVIEW	02.26.10	DRAWN BY: JMH CHECKED BY: SAL DATE: 12/03/09
ECC PER REVIEW	05.11.10	
JMH PER REVIEW	07.01.10	
JMH PER REVIEW	10.14.10	
SHEET No's	03.24.11	
JMH PER REVIEW	04.15.11	

SUMMARY OF QUANTITIES

FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	3
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 63441				

ITEM No.	ITEMS	UNITS	CONSTRUCTION TYPE CODE 0021 QTY.
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER))	UNIT	39
20200100	EARTH EXCAVATION	CU YD	25
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4,136
21400100	GRADING AND SHAPING DITCHES	FOOT	900
25000210	SEEDING, CLASS 2A	ACRE	0.75
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	52
25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	52
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	52
25100630	EROSION CONTROL BLANKET	SQ YD	1,500
25200110	SODDING, SALT TOLERANT	SQ YD	1,500
X2500200	TEMPORARY DITCH CHECKS, SPECIAL	EACH	6
28000400	PERIMETER EROSION BARRIER	FOOT	3,520
28000500	INLET AND PIPE PROTECTION	EACH	1
Z000510	INLET FILTERS	EACH	9
31101200	SUB BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	72
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	42
35102200	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	1,053
35501287	HOT-MIX ASPHALT BASE COURSE, 2 1/4"	SQ YD	1,095
35600700	HOT-MIX ASPHALT BASE COURSE WIDENING, 6"	SQ YD	72
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	92
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	44
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	26,857
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	390
42400800	DETECTABLE WARNINGS	SQ FT	830
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,379
44000300	CURB REMOVAL	FOOT	288
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	378

*

ITEM No.	ITEMS	UNITS	CONSTRUCTION TYPE CODE 0021 QTY.
44000600	SIDEWALK REMOVAL	SQ FT	150
50105220	PIPE CULVERT REMOVAL	FOOT	30
50901760	PIPE HANDRAIL	FOOT	136
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	20
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	7
60107600	PIPE UNDERDRAINS 4"	FOOT	282
60255500	MANHOLES TO BE ADJUSTED	EACH	7
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	3
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1
60402210	GRATES, TYPE 8	EACH	2
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,872
63200310	GUARDRAIL REMOVAL	FOOT	5
67100100	MOBILIZATION	L SUM	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD		
701606		L SUM	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD		
701801		L SUM	1
Z0013302	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	1,343
XZ127900	RETAINING WALL REMOVAL	FOOT	5
X0323569	STEEL POST REMOVAL	EACH	2
X0326681	REMOVE AND RE-ERECT BOULDERS	L SUM	1
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	4
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	22
XX003505	PORTLAND CEMENT CONCRETE SIDEWALK 10 INCH (SPECIAL)	SQ FT	1,626
XX007747	PARK BENCH REMOVAL AND REPLACEMENT	EACH	5

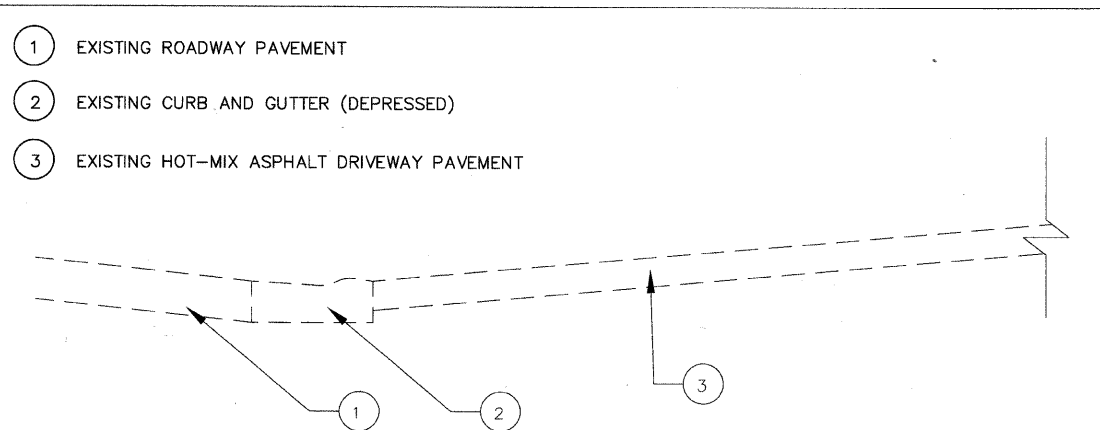
* DENOTES SPECIALTY ITEM

the Hoefler-Butler Engineering, Inc.
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 184-00889
 874 S. ROBERTS ROAD, HICKORY HILLS, ILLINOIS 60437
 (708) 599-6980 FAX (708) 599-6796

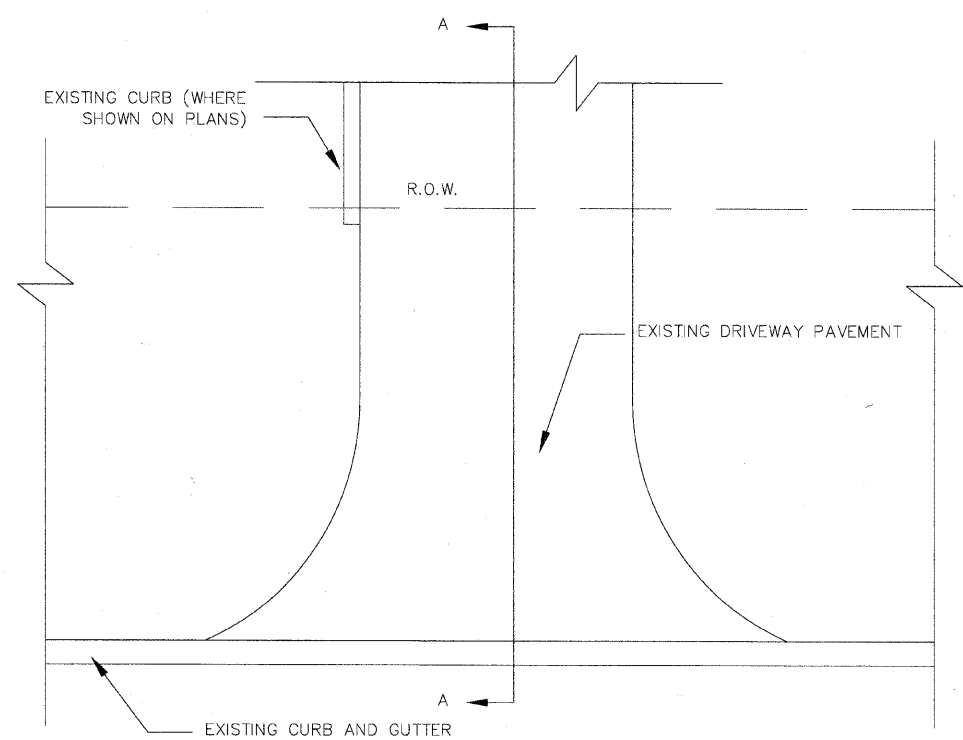
REVISIONS		DATE
NO.	DESCRIPTION	
1	JMH PER REVIEW	02.26.10
2	KCC PER REVIEW	05.11.10
3	JMH PER REVIEW	07.01.10
4	JMH PER REVIEW	10.14.10
5	JMH PER REVIEW	12.01.10
6	JMH PER REVIEW	03.24.11
7	JMH PER REVIEW	04.13.11

ILLINOIS DEPARTMENT OF TRANSPORTATION
 VILLAGE OF JUSTICE
 79th STREET & ROBERTS ROAD
 SIDEWALK CONSTRUCTION
 SUMMARY OF QUANTITIES &
 HMA MIXTURE CHART
 DRAWN BY: JMH
 CHECKED BY: SAL
 DATE: 12/03/09

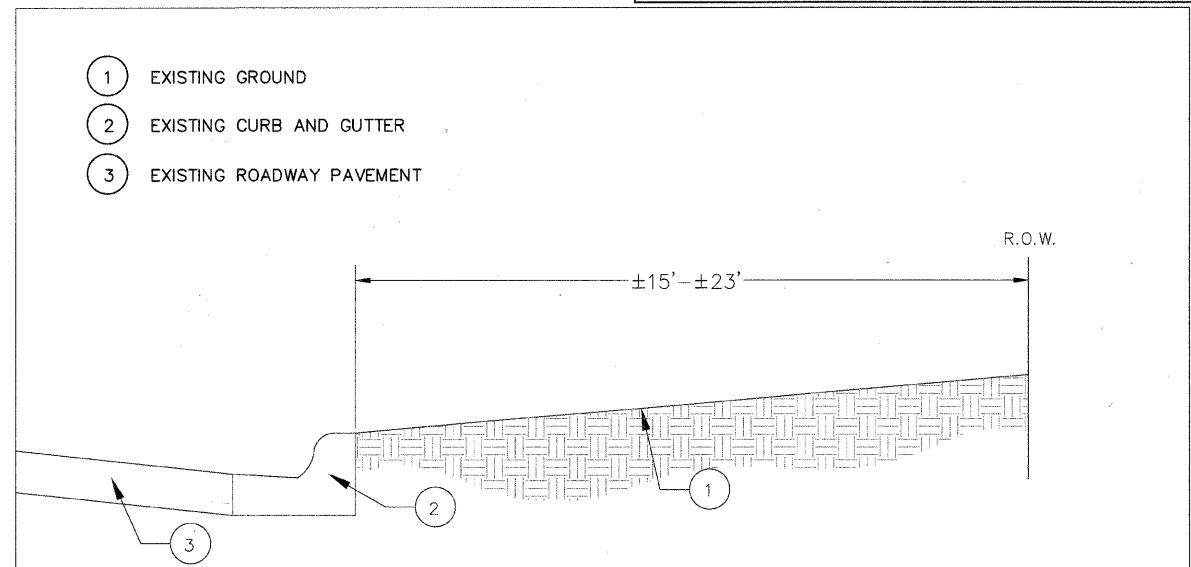
FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	4
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				



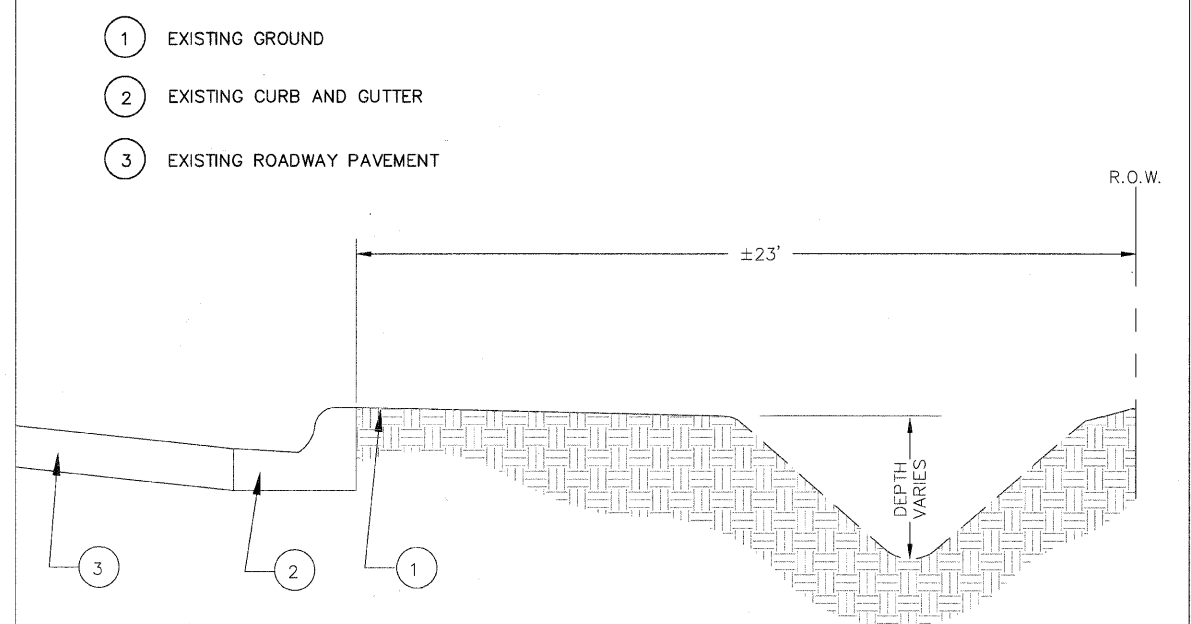
SECTION A-A
EXISTING TYPICAL CROSS SECTION
AT HIT-MIX ASPHALT DRIVEWAYS
79th ST & ROBERTS RD
(COMMERCIAL AND RESIDENTIAL)



HOT-MIX ASPHALT DRIVEWAY DETAIL
(COMMERCIAL AND RESIDENTIAL)



EXISTING TYPICAL CROSS SECTION
STA 9+99-10+83; STA 12+88-13+22; STA 24+07-27+59; STA
32+83-49+09; STA 57+02-112+83



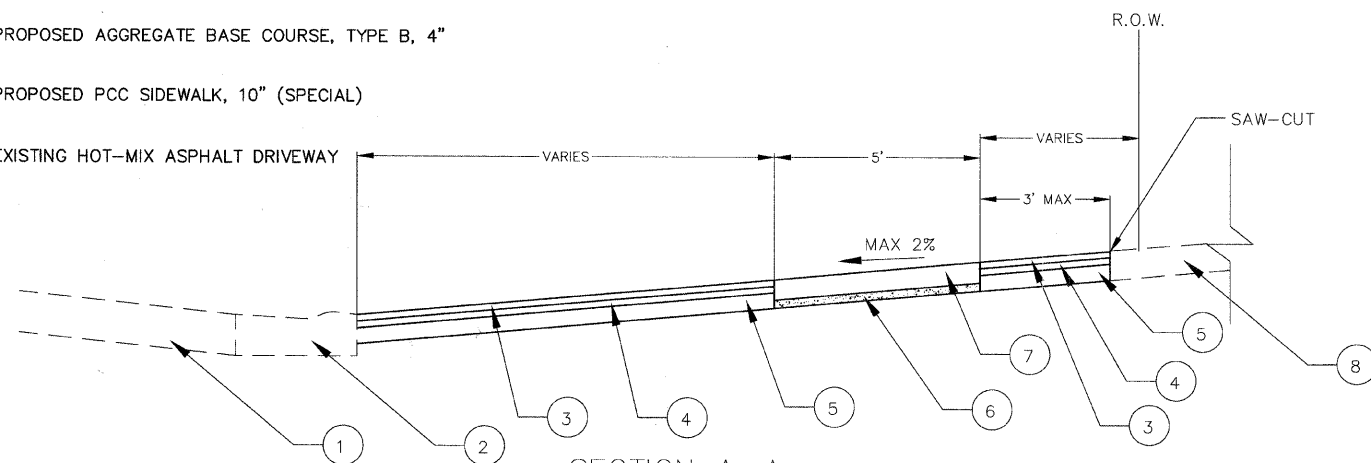
EXISTING TYPICAL CROSS SECTION-REVERSE PITCHED R.O.W.
STA 11+19-12+60; STA 14+30-15+88; STA 16+24-19+20; STA
19+59-22+57; STA 27+59-29+19; STA 29+48-32+52; STA
49+40-55+77; STA 56+07-56+85

Hoeferle-Butler Engineering, Inc.
Consulting Civil Engineers - Land Surveyors
PROFESSIONAL DESIGN FIRM LICENSE NO. 004-00819
8714 S. ROBERTS ROAD HOCKEY HILLS, ILLINOIS 60457
(708) 395-8988 FAX (708) 395-8796

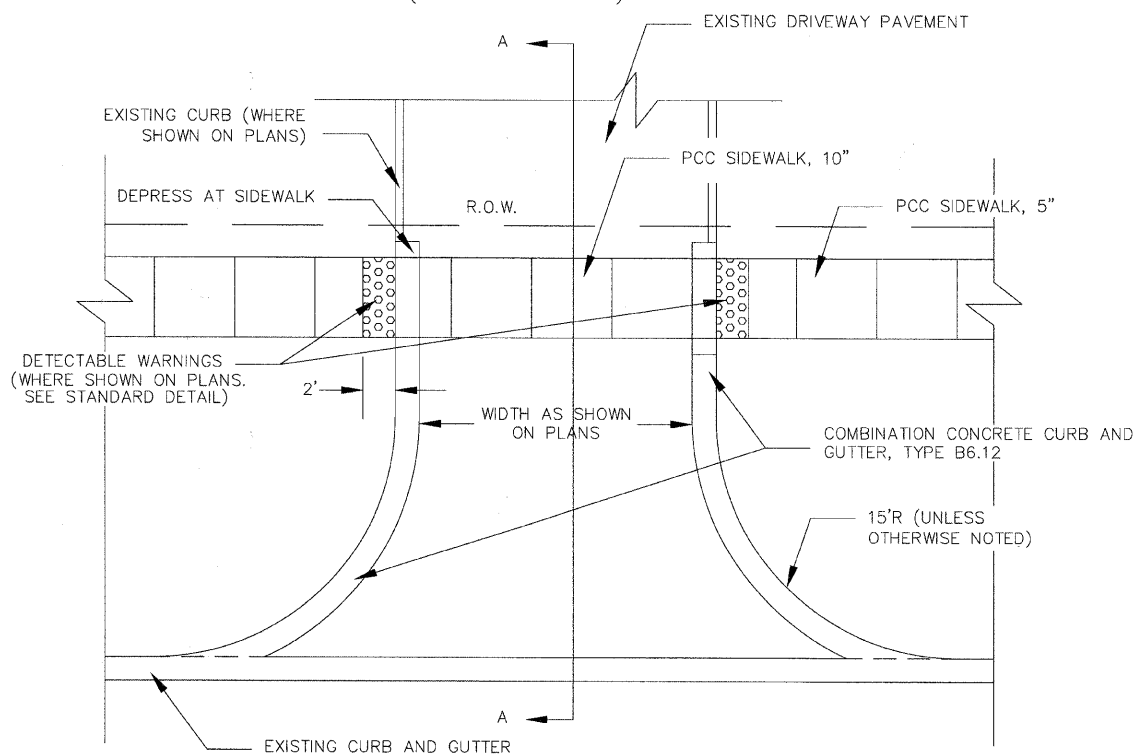
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	VILLAGE OF JUSTICE	
JMH PER REVIEW	02.28.10	79th STREET & ROBERTS ROAD	
ECC PER REVIEW	05.11.10	SIDEWALK CONSTRUCTION	
JMH PER REVIEW	12.01.10	CORK AVENUE TO ROBERTS ROAD	
SHEET No 8	03.24.11	79th STREET TO I-294	
		TYPICAL EXISTING SECTIONS	
		DRAWN BY: JMH	
		CHECKED BY: SAL	
		DATE: 01.25.10	

hbe **Hoeffler-Butler Engineering, Inc.**
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 084-000819
 874 S. ROBERTS ROAD - HOOVER HILLS, ILLINOIS 60457
 (708) 595-6900 FAX (708) 595-8790

- 1 EXISTING PAVEMENT
- 2 EXISTING CURB AND GUTTER (DEPRESSED)
- 3 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N50, 1 1/2" (MIN)
- 4 PROPOSED HOT-MIX ASPHALT (HMA BINDER IL-19mm), 2 1/4"
- 5 PROPOSED AGGREGATE BASE COURSE, TYPE B, 10"
- 6 PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"
- 7 PROPOSED PCC SIDEWALK, 10" (SPECIAL)
- 8 EXISTING HOT-MIX ASPHALT DRIVEWAY



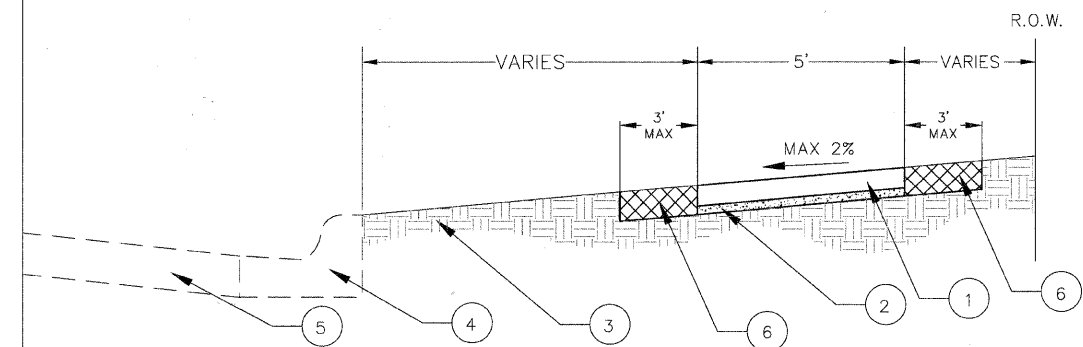
SECTION A-A
 PROPOSED TYPICAL CROSS SECTION
 AT HOT-MIX ASPHALT DRIVEWAYS
 79th ST & ROBERTS RD
 (COMMERCIAL)



PROPOSED HOT-MIX ASPHALT DRIVEWAY DETAIL
 (COMMERCIAL)

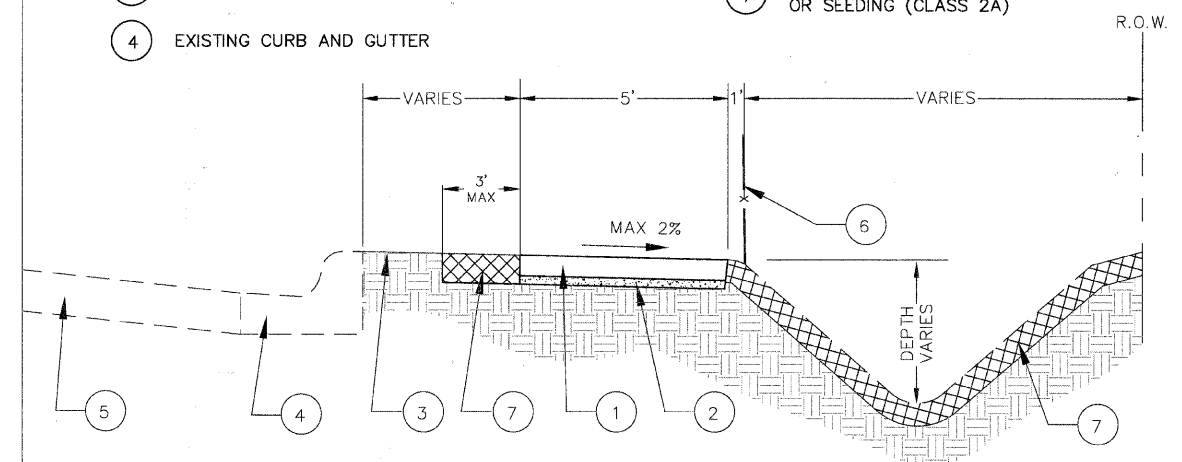
FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	5
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 63441				

- 1 PROPOSED P.C.C. SIDEWALK, 5"
- 2 PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"
- 3 EXISTING GROUND
- 4 EXISTING CURB AND GUTTER
- 5 EXISTING ROADWAY PAVEMENT
- 6 PROPOSED SODDING (SALT TOLERANT) OR SEEDING (CLASS 2A)



PROPOSED TYPICAL CROSS SECTION
 STA 9+99-10+83; STA 12+88-13+22; STA 24+07-27+59; STA
 32+83-49+09; STA 57+02-112+83

- 1 PROPOSED P.C.C. SIDEWALK, 5"
- 2 PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"
- 3 EXISTING GROUND
- 4 EXISTING CURB AND GUTTER
- 5 EXISTING ROADWAY PAVEMENT
- 6 PROPOSED PIPE HANDRAIL WHERE INDICATED ON PLANS
- 7 PROPOSED SODDING (SALT TOLERANT) OR SEEDING (CLASS 2A)

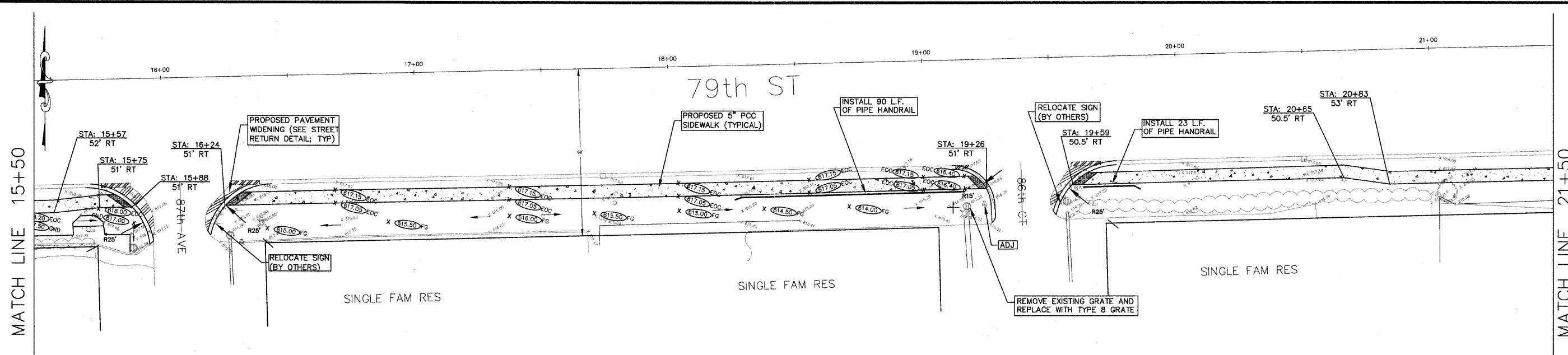
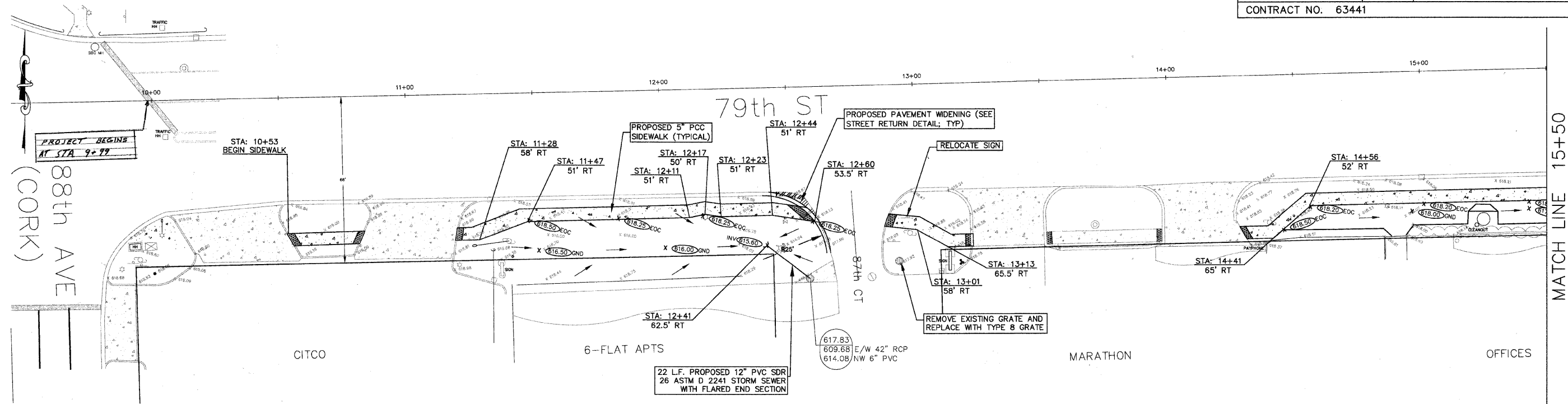


PROPOSED TYPICAL CROSS SECTION-REVERSE PITCHED SIDEWALK
 STA 11+19-12+60; STA 14+30-15+88; STA 16+24-19+20; STA
 19+59-22+57; STA 27+59-29+19; STA 29+48-32+52; STA
 49+40-55+77; STA 56+07-56+85

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NO.	DATE	NAME	DATE
1	02/25/10	JMH PER REVIEW	02/25/10
2	05/11/10	FCC PER REVIEW	05/11/10
3	07/01/10	JMH PER REVIEW	07/01/10
4	12/01/10	JMH PER REVIEW	12/01/10
5	03/24/11	JMH PER REVIEW	03/24/11

VILLAGE OF JUSTICE
 79th STREET & ROBERTS ROAD
 SIDEWALK CONSTRUCTION
 CORK AVENUE TO ROBERTS ROAD
 79th STREET TO I-294
 TYPICAL PROPOSED SECTIONS
 DATE: 12/03/09 DRAWN BY: JMH CHECKED BY: SAH

FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	7
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				



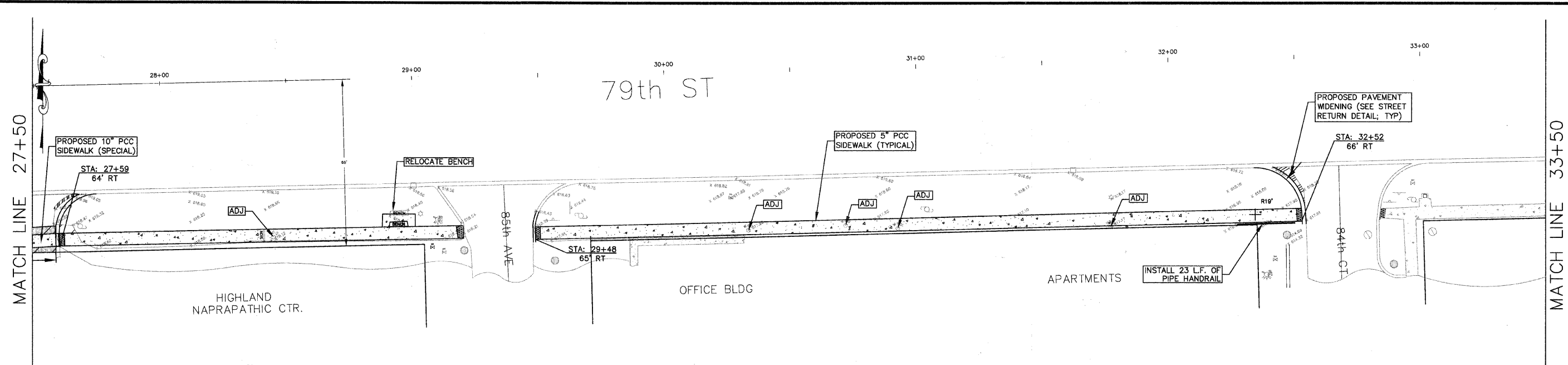
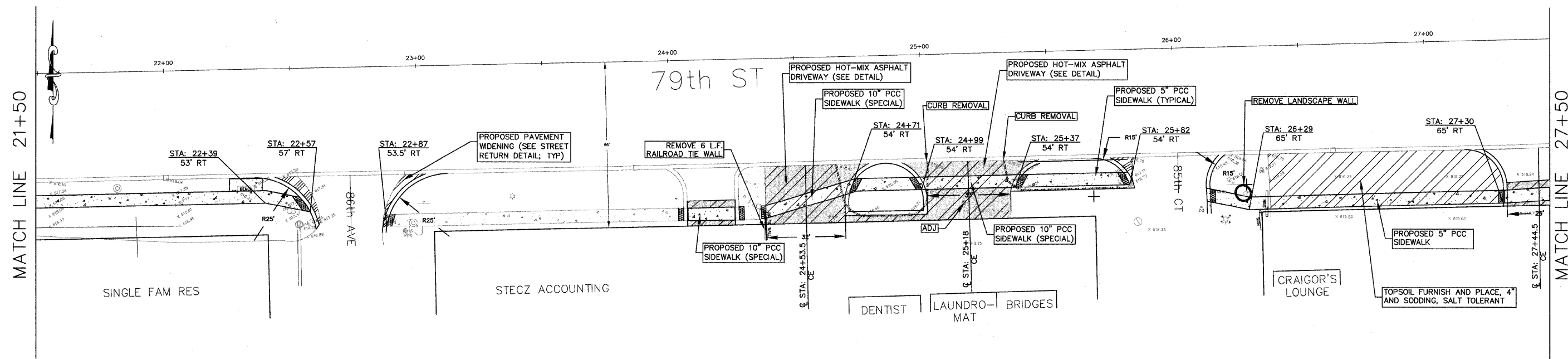
- LEGEND**
- PROPOSED HOT-MIX ASPHALT DRIVEWAY PAVEMENT
 - LIMITS OF DRIVEWAY PAVEMENT REMOVAL
 - PROPOSED PAVEMENT WIDENING
 - DETECTABLE WARNING
 - CURB AND GUTTER REMOVAL



REVISIONS		DATE	ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF JUSTICE 79th STREET & ROBERTS ROAD SIDEWALK CONSTRUCTION CORK AVENUE TO ROBERTS ROAD PLAN SHEET
NAME	DATE		
JMH PER REVIEW	02.25.10		SCALE: 1"=20' DATE: 12/03/09 DRAWN BY: JMH CHECKED BY: SAL
ECC PER REVIEW	05.11.10		
JMH PER REVIEW	12.01.10		
SHEET No. 8	03.24.11		

hbe Hoeffler-Butler Engineering, Inc.
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 064-000819
 8714 S. ROBERTS ROAD, HICKORY HILLS, ILLINOIS 60457
 (708) 599-8900 FAX: (708) 599-8799

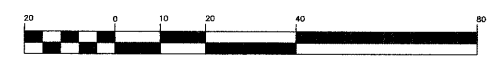
FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	8
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				



hbe Hoeffler-Butler Engineering, Inc.
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 184-00819
 8714 S. ROBERTS ROAD HICKORY HILLS, ILLINOIS 60437
 (708) 599-8900 FAX (708) 599-8790

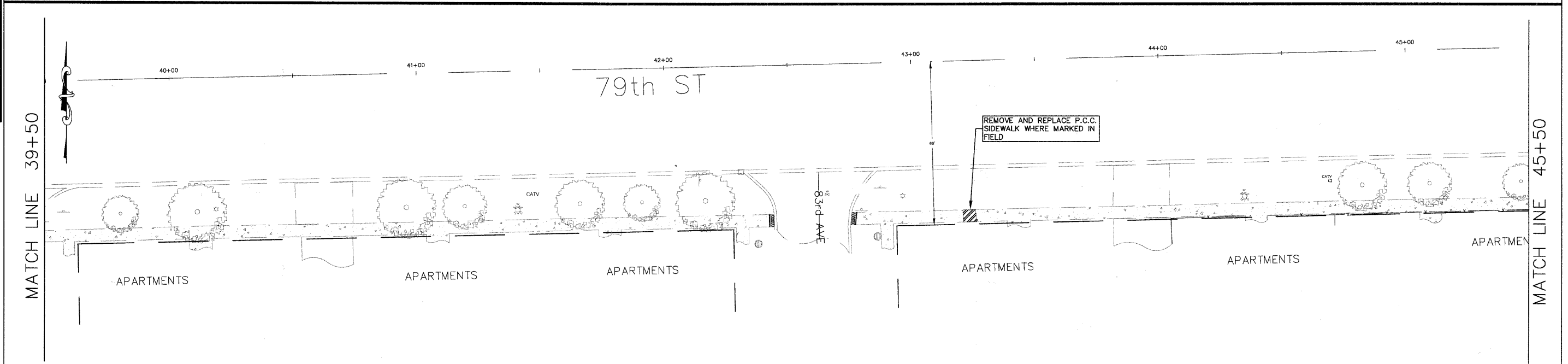
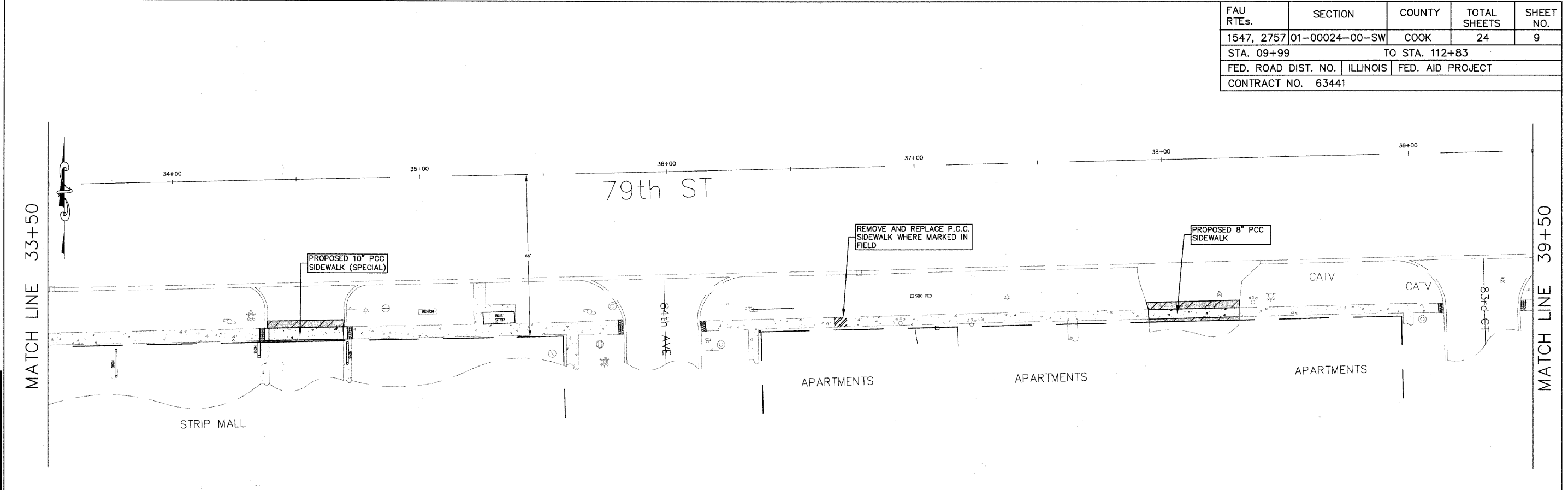
LEGEND

	PROPOSED HOT-MIX ASPHALT DRIVEWAY PAVEMENT
	LIMITS OF DRIVEWAY PAVEMENT REMOVAL
	PROPOSED PAVEMENT WIDENING
	DETECTABLE WARNING
	CURB AND GUTTER REMOVAL

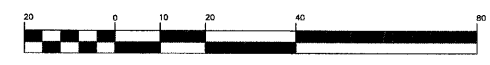


REVISIONS			ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF JUSTICE 79th STREET & ROBERTS ROAD SIDEWALK CONSTRUCTION CORK AVENUE TO ROBERTS ROAD PLAN SHEET
NAME	DATE		
JMH PER REVIEW	02.28.10		SCALE: 1"=20' HORIZ: 12/03/09 DRAWN BY: JMH CHECKED BY: SAL
ECC PER REVIEW	05.11.10		
JMH PER REVIEW	12.01.10		
JMH PER REVIEW	02.18.11		
SHEET No's	03.24.11		

FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	9
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				



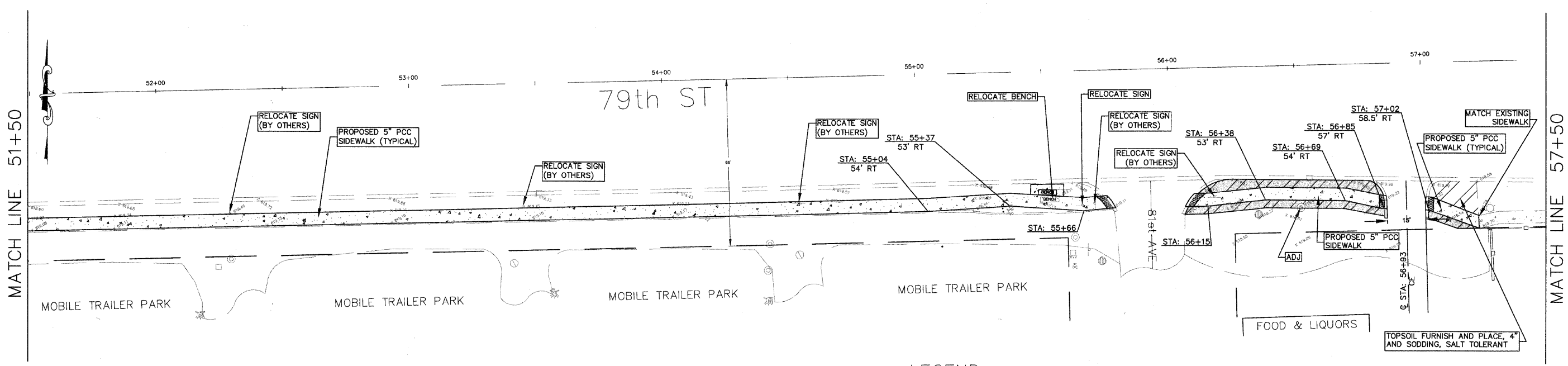
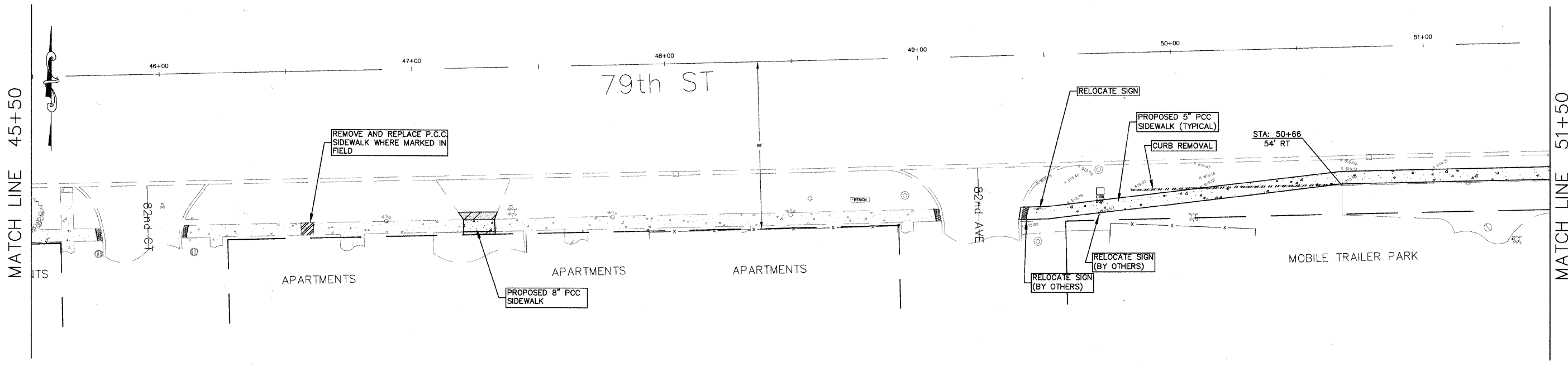
hbe Hoeffler-Butler Engineering, Inc.
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 094-000819
 8714 S. ROBERTS ROAD HOCKEY HILLS, ILLINOIS 60437
 (708) 599-8980 FAX (708) 599-8790



- LEGEND**
- PROPOSED HOT-MIX ASPHALT DRIVEWAY PAVEMENT
 - LIMITS OF DRIVEWAY PAVEMENT REMOVAL
 - PROPOSED PAVEMENT WIDENING
 - DETECTABLE WARNING
 - CURB AND GUTTER REMOVAL

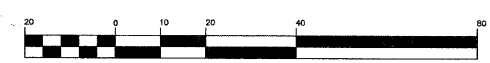
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF JUSTICE 79th STREET & ROBERTS ROAD SIDEWALK CONSTRUCTION CORK AVENUE TO ROBERTS ROAD PLAN SHEET
NAME	DATE	
JMH PER REVIEW	02.28.10	SCALE: 1"=20' HORIZ: 12/03/09 DRAWN BY: JMH CHECKED BY: SAL
ECC PER REVIEW	05.11.10	
JMH PER REVIEW	12.01.10	
SHEET No.	03.24.11	

FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	10
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				



hbe **Hoefler-Butler Engineering, Inc.**
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 064-06019
 8714 S. ROBERTS ROAD - HICKORY HILLS, ILLINOIS 60457
 (708) 599-8980 FAX (708) 599-8798

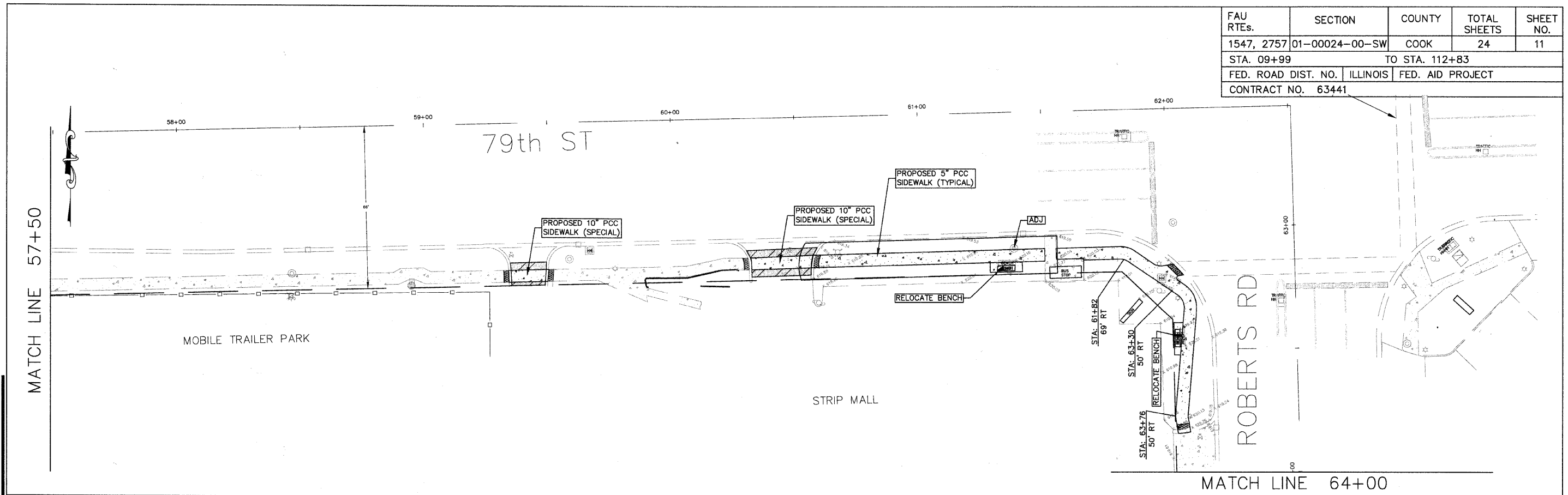
- LEGEND**
- PROPOSED HOT-MIX ASPHALT DRIVEWAY PAVEMENT
 - LIMITS OF DRIVEWAY PAVEMENT REMOVAL
 - PROPOSED PAVEMENT WIDENING
 - DETECTABLE WARNING
 - CURB AND GUTTER REMOVAL



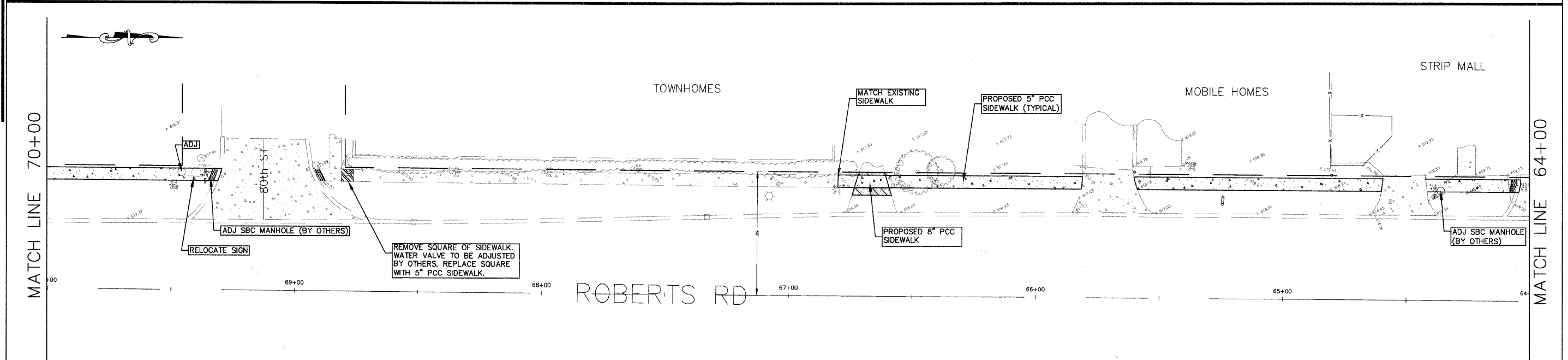
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF JUSTICE 79th STREET & ROBERTS ROAD SIDEWALK CONSTRUCTION CORK AVENUE TO ROBERTS ROAD PLAN SHEET
NAME	DATE	
JMH PFR REVIEW	02.25.10	SCALE: HORIZ: 1"=20' DATE: 12/03/09
PCC PFR REVIEW	05.11.10	
JMH PFR REVIEW	12.01.10	
JMH PFR REVIEW	02.15.11	
SHEET No's	03.24.11	

DRAWN BY: JMH
CHECKED BY: SAL

FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	11
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 63441				

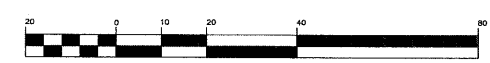


hbe **Hoeffler-Butler Engineering, Inc.**
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 084-000019
 8714 S. ROBERTS ROAD ROCKFORD HILLS, ILLINOIS 60457
 (708) 395-8980 FAX (708) 395-8798



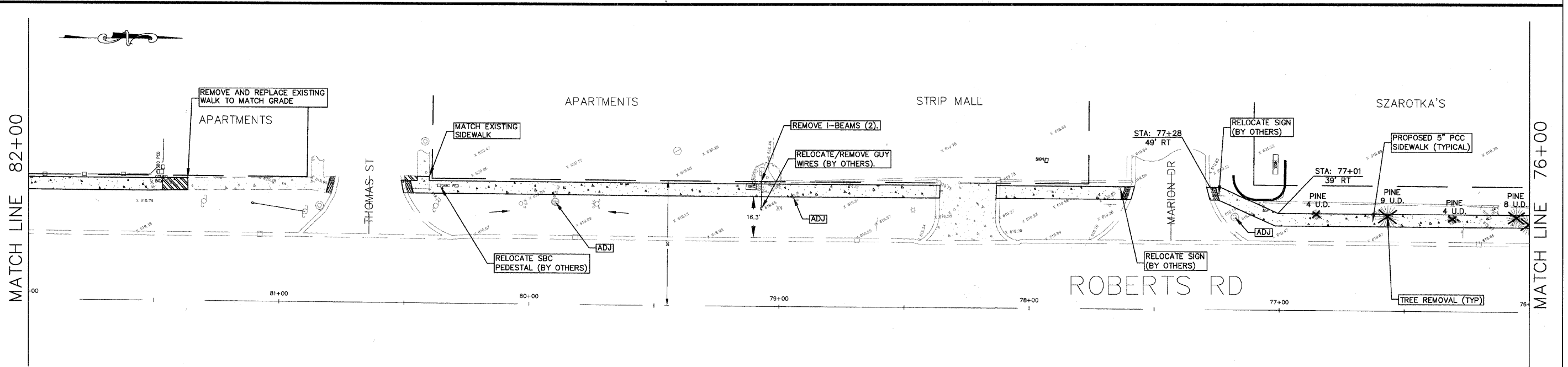
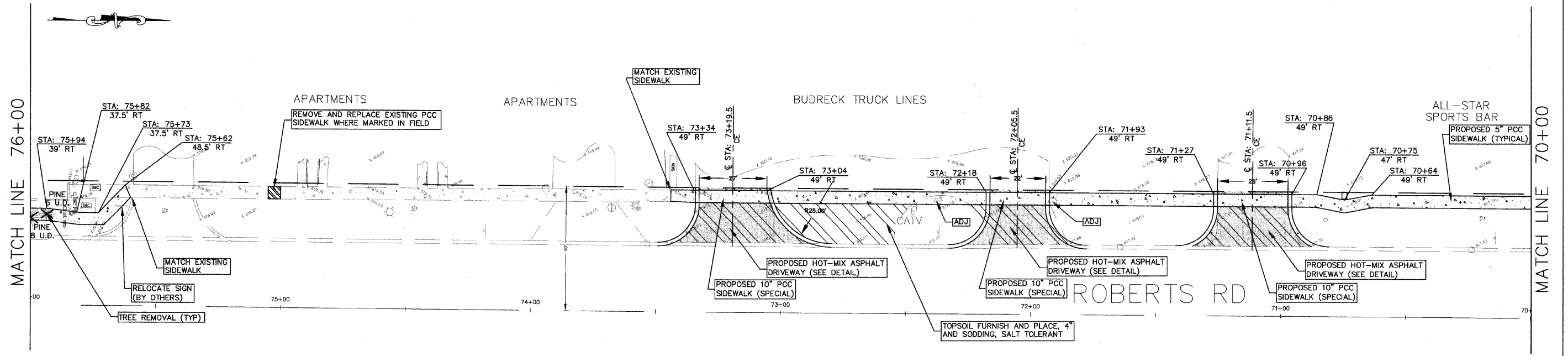
LEGEND

	PROPOSED HOT-MIX ASPHALT DRIVEWAY PAVEMENT
	LIMITS OF DRIVEWAY PAVEMENT REMOVAL
	PROPOSED PAVEMENT WIDENING
	DETECTABLE WARNING
	CURB AND GUTTER REMOVAL



REVISIONS		DATE	ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF JUSTICE 79th STREET & ROBERTS ROAD SIDEWALK CONSTRUCTION CORK AVENUE TO ROBERTS ROAD 79th STREET TO I-294 PLAN SHEET
NAME	NO.		
JMH	PER REVIEW	02.28.10	DRAWN BY: JMH CHECKED BY: SAL
ECC	PER REVIEW	05.11.10	
	SHEET No's	03.24.11	
SCALE: HORIZ: 1"=20'			DATE: 12/03/09
DATE: 12/03/09			

FAU RTES.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	12
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				



hbe **Hoeffler-Butler Engineering, Inc.**
 Consulting Civil Engineers • Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 084-00889
 8774 S. ROBERTS ROAD HICKORY HILLS, ILLINOIS 60467
 (708) 599-9988 FAX (708) 599-9799

LEGEND

	PROPOSED HOT-MIX ASPHALT DRIVEWAY PAVEMENT
	LIMITS OF DRIVEWAY PAVEMENT REMOVAL
	PROPOSED PAVEMENT WIDENING
	DETECTABLE WARNING
	CURB AND GUTTER REMOVAL

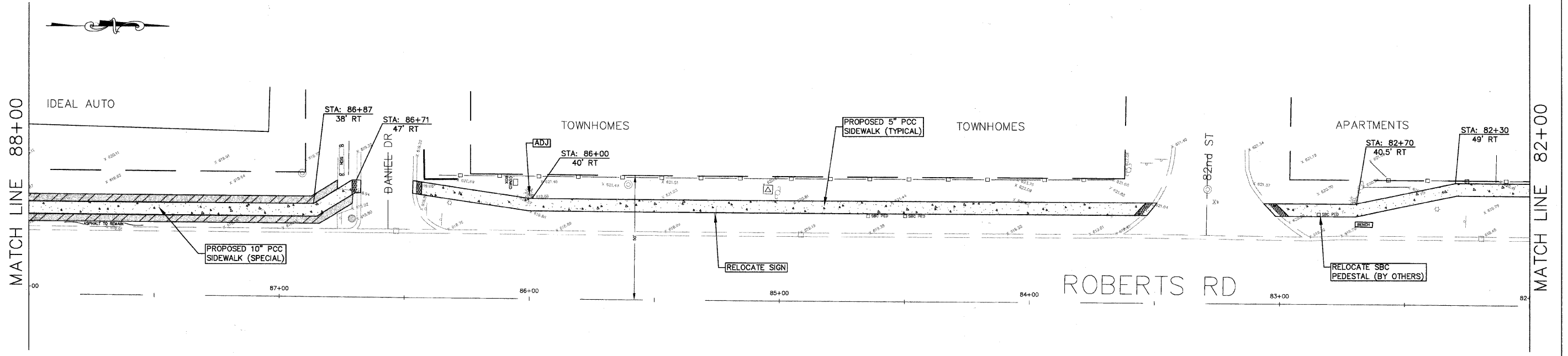


REVISIONS	
NAME	DATE
JMH PFR REVIEW	02.28.10
PCC PFR REVIEW	05.11.10
JMH PFR REVIEW	12.01.10
JMH PFR REVIEW	02.15.11
SHEET No's	03.24.11

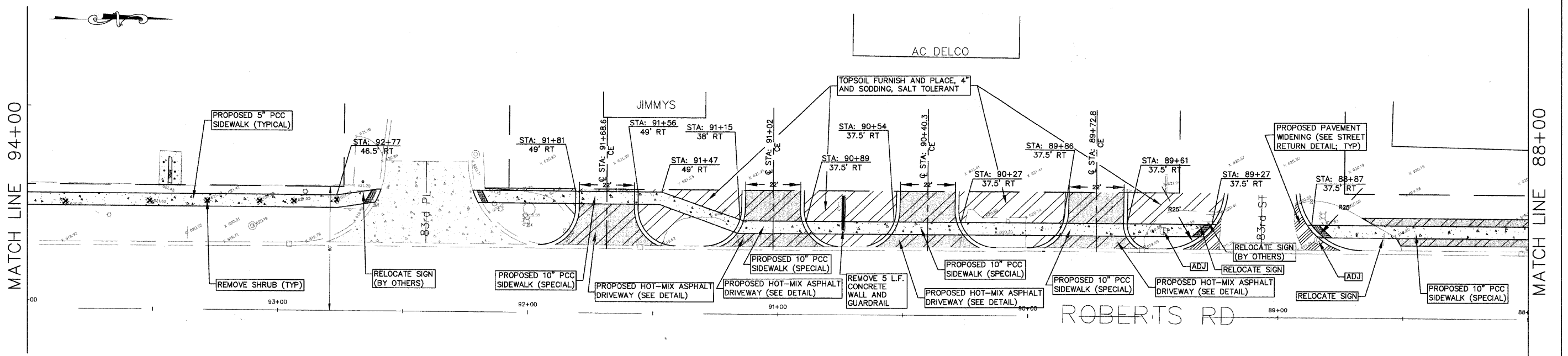
ILLINOIS DEPARTMENT OF TRANSPORTATION
 VILLAGE OF JUSTICE
 79th STREET & ROBERTS ROAD
 SIDEWALK CONSTRUCTION
 79th STREET TO I-294
 PLAN SHEET

SCALE: 1"=20'
 HORIZ: 12/03/09
 DATE: 12/03/09
 DRAWN BY: JMH
 CHECKED BY: SAL

FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	13
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				

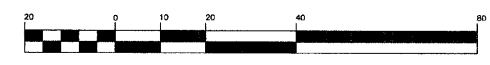


hbe Hoeffler-Butler Engineering, Inc.
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 064-000819
 8714 S. ROBERTS ROAD HICKORY HILLS, ILLINOIS 60437
 (708) 599-8900 FAX (708) 599-8790



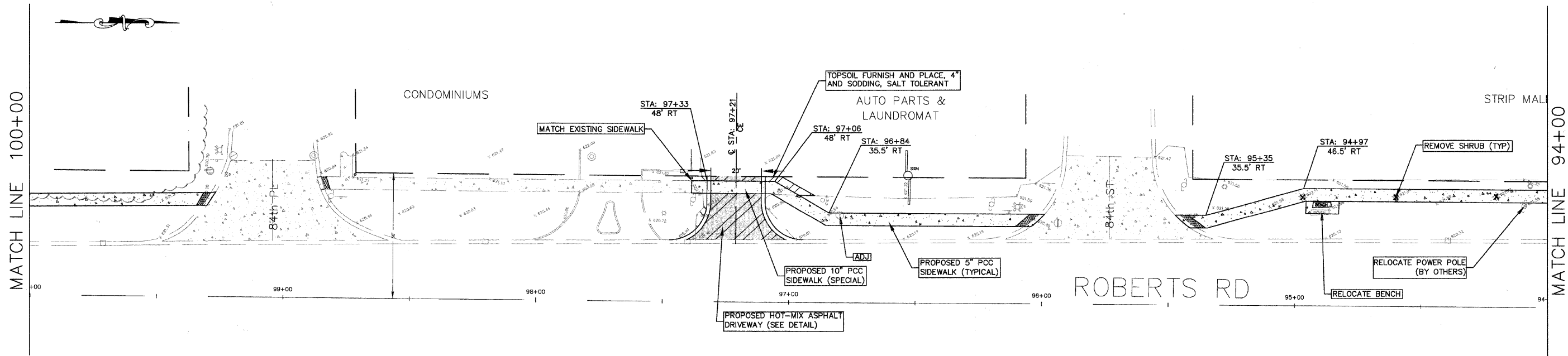
LEGEND

	PROPOSED HOT-MIX ASPHALT DRIVEWAY PAVEMENT
	LIMITS OF DRIVEWAY PAVEMENT REMOVAL
	PROPOSED PAVEMENT WIDENING
	DETECTABLE WARNING
	CURB AND GUTTER REMOVAL

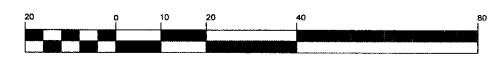
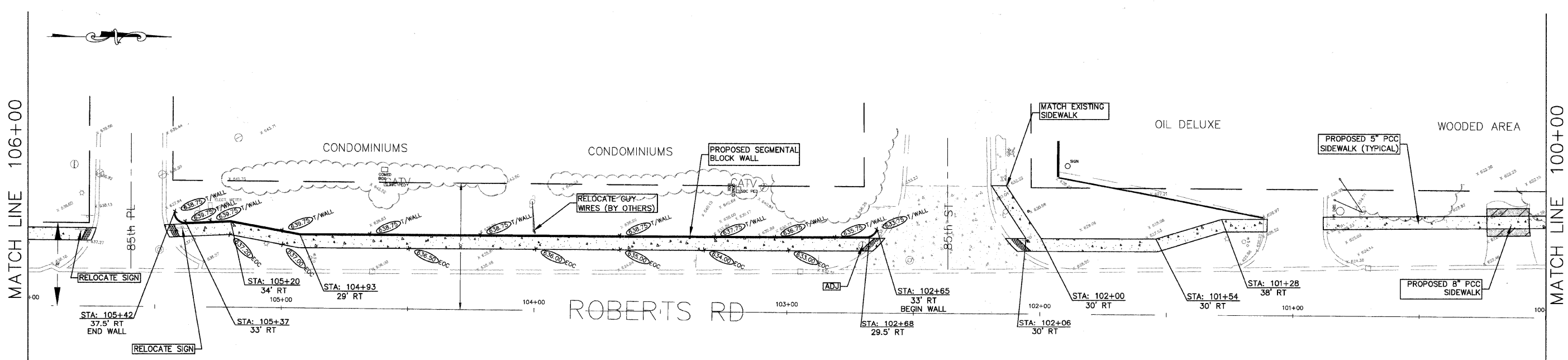


REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF JUSTICE 79th STREET & ROBERTS ROAD SIDEWALK CONSTRUCTION 79th STREET TO I-294 PLAN SHEET
NAME	DATE	
JMH PER REVIEW	02.28.10	
ECC PER REVIEW	05.11.10	
JMH PER REVIEW	02.15.11	
SHEET No's	03.24.11	
SCALE: 1" = 20'		DRAWN BY: JMH CHECKED BY: SAL
DATE: 12/03/09		

FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	14
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				



hbe Hoeffler-Butler Engineering, Inc.
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. RA-000819
 8714 S. ROBERTS ROAD - HICKORY HILLS, ILLINOIS 60457
 (708) 599-8980 FAX (708) 599-0790



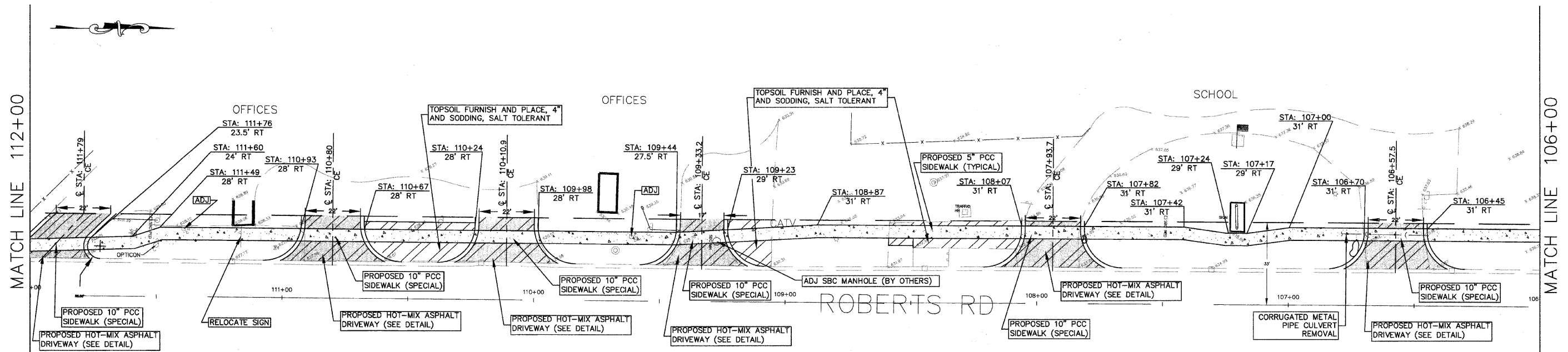
LEGEND

	PROPOSED HOT-MIX ASPHALT DRIVEWAY PAVEMENT
	LIMITS OF DRIVEWAY PAVEMENT REMOVAL
	PROPOSED PAVEMENT WIDENING
	DETECTABLE WARNING
	CURB AND GUTTER REMOVAL

REVISIONS			ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF JUSTICE 79th STREET & ROBERTS ROAD SIDEWALK CONSTRUCTION 79th STREET TO I-294 PLAN SHEET
NAME	DATE		
JMH PER REVIEW	02.26.10		
ECC PER REVIEW	05.11.10		
JMH PER REVIEW	02.15.11		
SHEET No 9	03.24.11		

SCALE: HORIZ: 1"=20'
DATE: 12/03/09
DRAWN BY: JMH
CHECKED BY: SAL

FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	15
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				



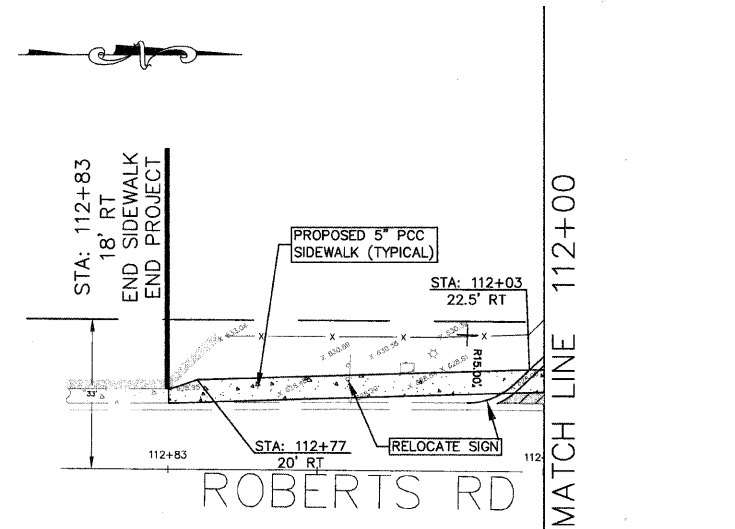
Hoefferle-Butler Engineering, Inc.
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 064-000819
 8714 S. ROBERTS ROAD HICKORY HILLS, ILLINOIS 60457
 (708) 395-6980 FAX (708) 395-8798

ROBERTS ROAD - COOK COUNTY HIGHWAY DEPT. SIGN INVENTORY		
STATION	TYPE	NOTES
63+30	PEDESTRIAN CROSSING	SIGNAL POLE MOUNTED
65+26	SPEED LIMIT	DOUBLE SIGN
	NO PARKING	DOUBLE SIGN
69+42	STREET SIGN	
70+83	NO PARKING	LIGHT POLE MOUNTED
72+38	SCHOOL CROSSING	
74+19	SCHOOL SPEED ZONE	
77+69	STREET SIGN	
78+48	NO PARKING	LIGHT POLE MOUNTED
78+62	SPEED LIMIT	DOUBLE SIGN
	NO PARKING	DOUBLE SIGN
80+39	STREET SIGN	POWER POLE MOUNTED
82+27	SCHOOL SPEED ZONE	
83+55	STREET SIGN	
85+27	SCHOOL CROSSING	
86+36	STREET SIGN	
86+42	ONE WAY	
86+77	SCHOOL SPEED ZONE	DOUBLE SIGN
	ONE WAY	DOUBLE SIGN
88+59	SCHOOL CROSSING	
89+32	STREET SIGN	
90+09	NO PARKING	LIGHT POLE MOUNTED
92+72	STREET SIGN	
93+38	SPEED LIMIT	
96+14	STREET SIGN	
97+51	NO PARKING	LIGHT POLE MOUNTED
98+78	STREET SIGN	
102+65	STREET SIGN	
102+88	SCHOOL SPEED ZONE	
103+37	SPEED LIMIT	
105+39	STREET SIGN	
105+40	ONE WAY	
105+78	ONE WAY	
108+36	FIRE STATION SIGN	DOUBLE POST SIGN
111+18	TRAFFIC SIGNAL SIGN	DOUBLE POST SIGN

79th STREET - IDOT SIGN INVENTORY		
STATION	TYPE	NOTES
10+03	NO TURN ON RED WHEN PEDESTRIANS PRESENT	SIGNAL POLE MOUNTED
12+18	SPEED LIMIT	LIGHT POLE MOUNTED
12+98	STREET SIGN	
16+30	STREET SIGN	
16+29	STREET SIGN	
23+03	STREET SIGN	
23+38	SPEED LIMIT	LIGHT POLE MOUNTED
26+24	STREET SIGN	
29+63	STREET SIGN	
32+92	STREET SIGN	
36+25	STREET SIGN	
37+38	SPEED LIMIT	LIGHT POLE MOUNTED
39+57	STREET SIGN	
42+88	STREET SIGN	
46+13	STREET SIGN	
49+37	STREET SIGN	
51+18	SPEED LIMIT	LIGHT POLE MOUNTED
54+18	PEDESTRIAN CROSSING	LIGHT POLE MOUNTED
55+66	STREET SIGN	
57+28	SPEED LIMIT	LIGHT POLE MOUNTED
59+78	NO PARKING	LIGHT POLE MOUNTED
61+98	PEDESTRIAN CROSSING	SIGNAL POLE MOUNTED

LEGEND

- PROPOSED HOT-MIX ASPHALT DRIVEWAY PAVEMENT
- LIMITS OF DRIVEWAY PAVEMENT REMOVAL
- PROPOSED PAVEMENT WIDENING
- DETECTABLE WARNING
- CURB AND GUTTER REMOVAL



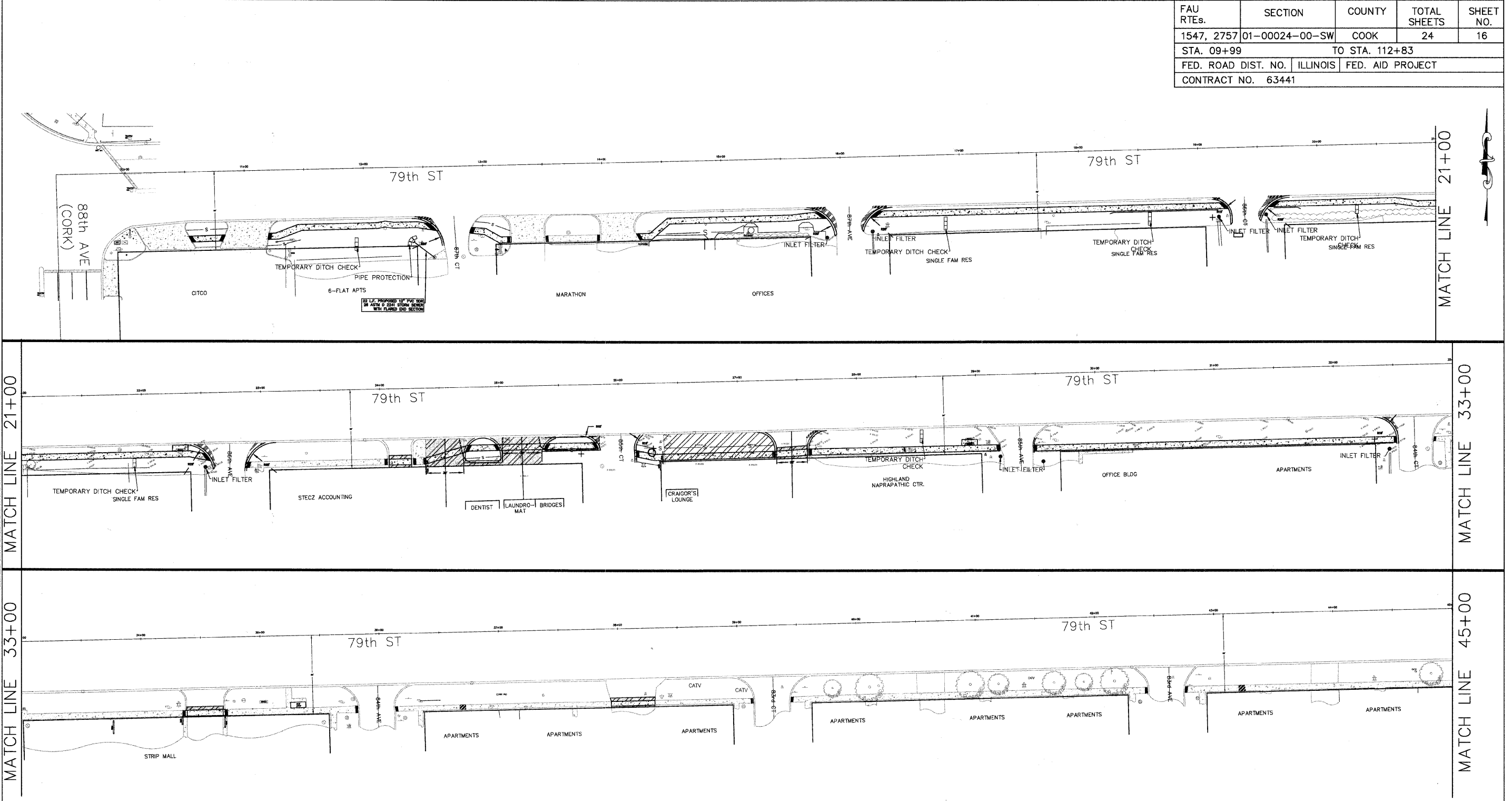
SCALE: 1"=20'
 HORIZ: 1"=20'
 DATE: 12/03/09

REVISIONS	
NAME	DATE
JMH PER REVIEW	02-28-10
ECC PER REVIEW	05-11-10
JMH PER REVIEW	12-01-10
JMH PER REVIEW	02-15-11
JMH PER REVIEW	03-24-11

ILLINOIS DEPARTMENT OF TRANSPORTATION
 VILLAGE OF JUSTICE
 79th STREET & ROBERTS ROAD
 SIDEWALK CONSTRUCTION
 79th STREET TO I-294
 PLAN SHEET & SIGN INVENTORY

DRAWN BY: JMH
 CHECKED BY: SAJ

FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	16
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				



LEGEND

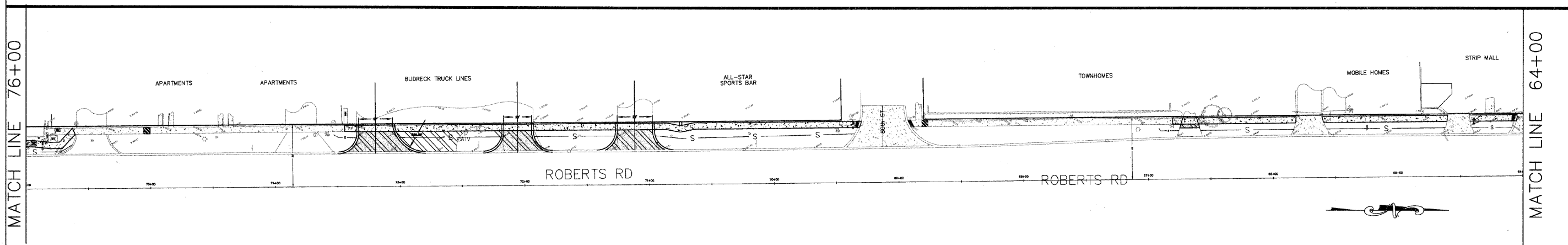
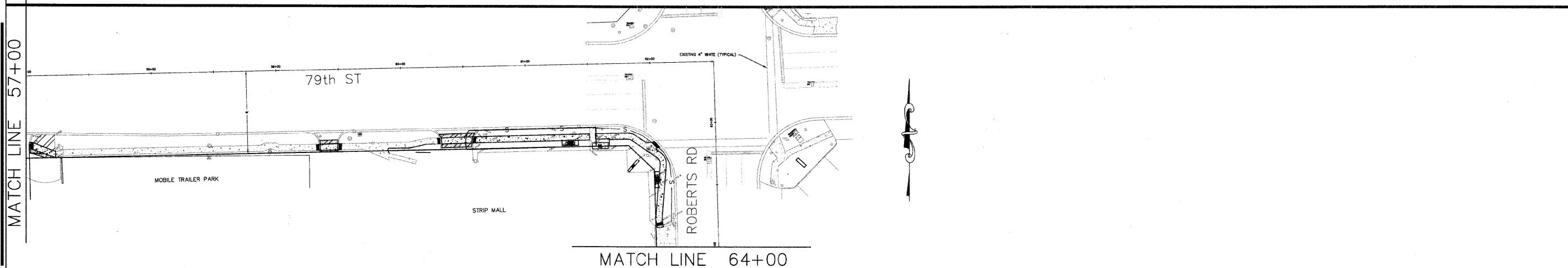
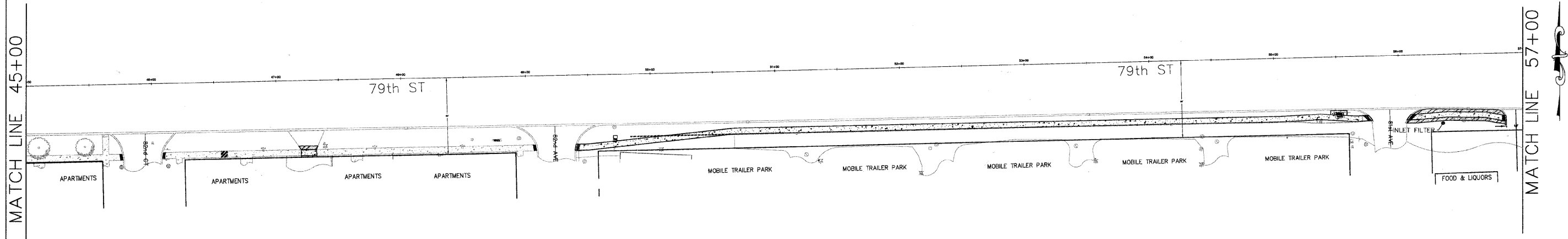
— S — PERIMETER EROSION CONTROL



hbe **Hoeffler-Butler Engineering, Inc.**
 Consulting Civil Engineers • Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 184-00819
 8714 S. ROBERTS ROAD HICKORY HILLS, ILLINOIS 60437
 (708) 599-8980 FAX (708) 599-8790

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF JUSTICE 79th STREET & ROBERTS ROAD SIDEWALK CONSTRUCTION EROSION & SEDIMENT CONTROL PLAN
NAME	DATE	
		SCALE HORIZ: 1"=40' DATE: 03/24/11 DRAWN BY: JMH CHECKED BY: SAL

FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	17
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				



hbe **Hoeffler-Butler Engineering, Inc.**
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 081-000619
 8714 S. ROBERTS ROAD HICKORY HILLS, ILLINOIS 60457
 (708) 599-0900 FAX (708) 599-0790

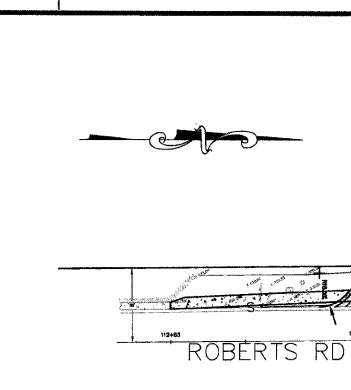
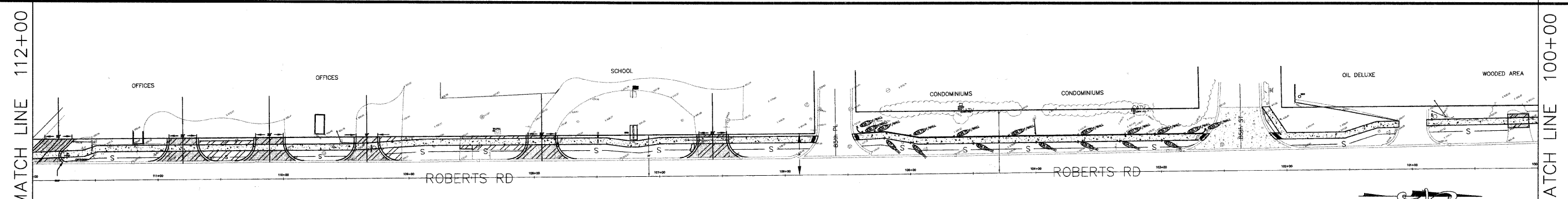
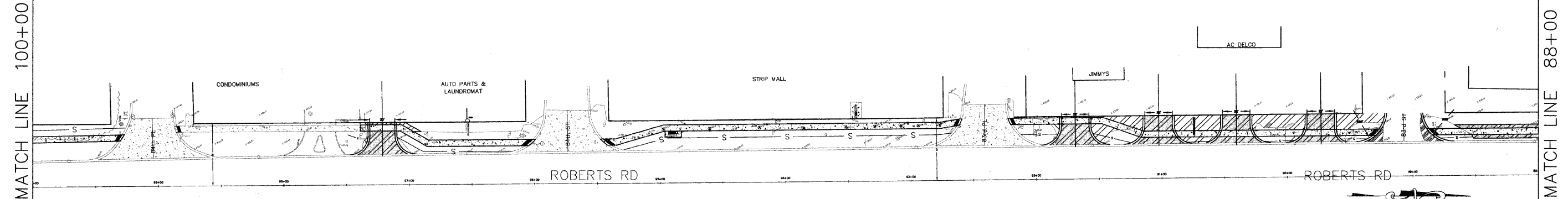
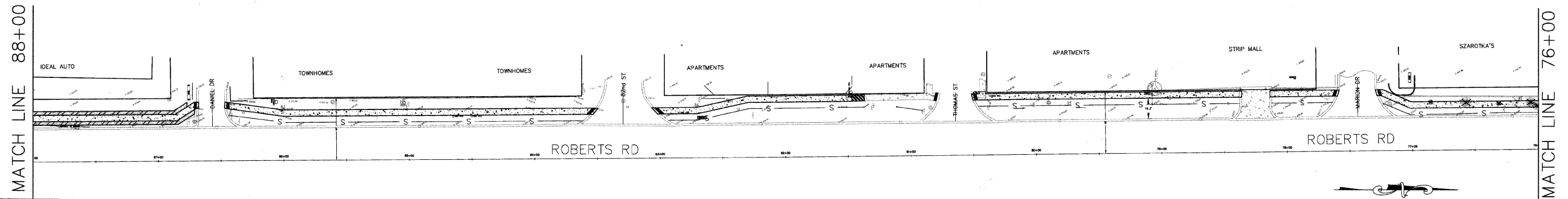
LEGEND

— S — PERIMETER EROSION CONTROL



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF JUSTICE 79th STREET & ROBERTS ROAD SIDEWALK CONSTRUCTION EROSION & SEDIMENT CONTROL PLAN
NAME	DATE	
		SCALE: HORIZ. 1"=40'
		DATE: 03/24/11
		DRAWN BY: JMH
		CHECKED BY: SAL

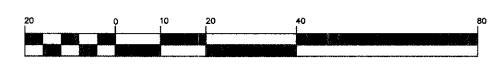
FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	18
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT.		
CONTRACT NO. 63441				



MATCH LINE 112+00

LEGEND

— S — PERIMETER EROSION CONTROL



the Hoeffler-Butler Engineering, Inc.
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 084-000619
 8714 S. ROBERTS ROAD HICKORY HILLS, ILLINOIS 60457
 (708) 599-6988 FAX (708) 599-8790

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF JUSTICE 79th STREET & ROBERTS ROAD SIDEWALK CONSTRUCTION EROSION & SEDIMENT CONTROL PLAN
NAME	DATE	
		SCALE: 1"=40' DATE: 03/24/11 DRAWN BY: JMH CHECKED BY: SAL

EROSION AND SEDIMENT CONTROL NOTES

FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	19
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM SEWER WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS IDENTIFIED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS OUTLINED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, CAN BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS STIPULATED BY THE ENGINEER, LOCAL MUNICIPAL CODES, AND AS SHOWN IN IDOT STANDARD 280001 WHICH SUPPLEMENTS THIS PLAN. THE TEMPORARY EROSION CONTROL PROVISIONS OUTLINED IN SECTION 280 OF THE IDOT STANDARD SPECIFICATIONS ADDITIONALLY SUPPLEMENT THIS PLAN.

DESCRIPTION OF SITE AND PLANNED CONSTRUCTION ACTIVITIES

1. THE PROJECT IS LOCATED IN THE VILLAGE OF JUSTICE, ILLINOIS.
2. THE TOTAL AREA OF THE PROJECT SITE IS APPROXIMATELY 2.0 ACRES. THE AREA DISTURBED BY CONSTRUCTION ACTIVITIES IS APPROXIMATELY 1.52 ACRES.
3. THE PROJECT INVOLVES EXCAVATION OF EXISTING GROUND FOR INSTALLATION OF CONCRETE SIDEWALK, AND REPLACEMENT OF EXISTING DRIVEWAYS DUE TO FOREMENTIONED SIDEWALKS.

SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES

THE FOLLOWING DESCRIBES THE PROJECTED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS WITHIN THE PROJECT AREA.

1. INSTALLATION OF TEMPORARY EROSION CONTROL MEASURES REQUIRED TO LIMIT SOIL MIGRATION DURING SITE CLEARING, GRADING, FILLING, AND SUBSEQUENT DEVELOPMENT ACTIVITIES. MEASURES MAY INCLUDE PERIMETER EROSION CONTROL BARRIER, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKETS, TEMPORARY SEEDING, AND OTHER SIMILAR MEASURES. THE MEASURES ARE TO BE ADJUSTED IN KEEPING WITH SITE WORK PROGRESS.
2. CLEARING AND GRUBBING OF PROJECT SITE CONSISTENT WITH PHASING OF SIDEWALK CONSTRUCTION.
3. EXCAVATION AND GRADING TO ACHIEVE INTERIM WORK SITE ELEVATIONS.
4. FORMING AND INSTALLATION OF SIDEWALK.
5. FINISHED GRADING AND LANDSCAPE RESTORATION.
6. MAINTENANCE, REMOVAL, AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL MEASURES.

OTHER REPORTS, STUDIES, PLANS, SPECIFICATIONS WHICH ARE REFERENCED DOCUMENTS OF THE STORM WATER POLLUTION PREVENTION PLAN

1. INFORMATION CONCERNING THE SOILS CHARACTER AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL MAPS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT SPECIFICATIONS, SPECIAL PROVISIONS, AND DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES, WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.
3. ILLINOIS URBAN MANUAL FOR SOIL EROSION CONTROL GUIDANCE AND CONTROL MEASURES.
4. IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FOR SOIL EROSION CONTROL MATERIALS AND INSTALLATION GUIDANCE
5. LOCAL MUNICIPAL REQUIREMENTS FOR EROSION CONTROL.

EROSION AND SEDIMENT CONTROL PRACTICES

THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS HAVE BEEN PLANNED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE FEASIBLE, AND DISTURBED PORTIONS OF THE SITE ARE STABILIZED. STABILIZATION PRACTICES INCLUDE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, PROTECTION OF TREES, PRESERVATION OF NATURAL VEGETATION, AND OTHER APPROPRIATE MEASURES AS IDENTIFIED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

1. AREAS OF EXISTING VEGETATION, WOOD AND GRASSLANDS, OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
2. DEAD, DISEASED, UNSUITABLE, OR CONFLICTING VEGETATION WITHIN THE SITE SHALL BE REMOVED, ALONG WITH REQUIRED TREE REMOVAL.
3. TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED PRIOR TO STRIPPING OF EXISTING VEGETATION.
4. BARE AND SPARSELY VEGETATED GROUND IN HIGH ERODABLE AREAS SHALL BE TEMPORARILY SEEDDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN (7) DAYS.
5. IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED, AREAS WHICH ARE HIGHLY ERODABLE AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDDED WHEN NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN (7) DAYS.
6. AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS ON ADJACENT LANDOWNERS, TEMPORARY DITCH CHECKS SHALL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE.
7. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS INDICATED ON THE PLANS SHALL BE PROTECTED FROM DAMAGE. THE CONTRACTOR SHALL NOT USE THESE AREAS FOR STAGING, PARKING OF VEHICLES OF CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS OR OTHER CONSTRUCTION RELATED ACTIVITIES EXCEPT AS DESCRIBED ON THE PLANS AND INDICATED BY THE ENGINEER.
8. WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION SHALL REMAIN UNDISTURBED UNTIL THE STAGE OF CONSTRUCTION IS INITIATED TO AVOID UNNECESSARY SOIL EROSION.
9. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN (14) DAYS.
10. AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL PLACE TEMPORARY EROSION CONTROL FACILITIES AT NECESSARY LOCATIONS. THE ERODABLE EXPOSED EARTH SURFACES SHALL BE TEMPORARILY SEEDDED ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF EROSION THAT WILL OCCUR WITHIN THE PROJECT LIMITS. THE ROADSIDE DITCHES WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED OR CONSTRUCTED AS REQUIRED TO LIMIT EROSION. TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS UNTIL EROSION CONTROL MEASURES ARE IN PLACE.
11. CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
12. THE CONTRACTOR SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2-INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE WORK SITE CONSTRUCTION MANAGER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.
13. SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EACH EXCAVATION FOR EROSION CONTROL.
14. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED 30 DAYS AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. AT THAT TIME, THE EROSION CONTROL SYSTEMS SHALL BE REMOVED, AND THE AREAS DAMAGED BY THE SYSTEMS' INSTALLATION SHALL BE RESTORED.
15. TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 1 FOOT FALL OR RISE IN DITCH GRADE OR AS STIPULATED ON THE PLAN.
16. WHERE REQUIRED, THE TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS PER ACRE OF AREA.
17. WATER PUMPED FROM EXCAVATIONS SHALL BE DIRECTED INTO THE SEDIMENT BASIN. THE SEDIMENT BASIN SHALL BE MAINTAINED AT A DEPTH BETWEEN 2 AND 3 FEET AND CLEARED OF SEDIMENT AS REQUIRED. SEDIMENT SHALL BE DISPOSED OF IN A MANNER NOT TO INCREASE SOIL MIGRATION.
18. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
19. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

MAINTENANCE AFTER CONSTRUCTION

1. THE CONSTRUCTION WILL BE CONSIDERED TO BE COMPLETE AFTER ACCEPTANCE BY THE MUNICIPAL AGENCY WITH JURISDICTION OVER THE IMPROVEMENTS. MAINTENANCE OF EROSION MEASURES AS WELL AS THE SITE IMPROVEMENTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE DATE OF ACCEPTANCE.
2. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED SEEDDED OR SODDED AREAS HAVE BEEN ESTABLISHED.
3. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED SURFACES RESTORED.

A COPY OF THE SWPPP (INCLUDING A COPY OF THE PERMIT), NOI, AND ACKNOWLEDGEMENT LETTER FROM EPA MUST BE RETAINED AT THE CONSTRUCTION SITE (OR OTHER LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS TO EPA, A STATE, TRIBAL OR LOCAL AGENCY APPROVING SEDIMENT AND EROSION PLANS, GRADING PLANS, OR STORM WATER MANAGEMENT PLANS; LOCAL GOVERNMENT OFFICIALS; THE OPERATOR OF A MUNICIPAL SEPARATE STORM SEWER RECEIVING DISCHARGES FROM THE SITE; AND REPRESENTATIVES OF THE U.S. FISH AND WILDLIFE SERVICE OR THE NATIONAL MARINE FISHERIES SERVICE) FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE OF FINAL STABILIZATION. IF YOU HAVE DAY-TO-DAY OPERATIONAL CONTROL OVER SWPPP IMPLEMENTATION, YOU MUST HAVE A COPY OF THE SWPPP AVAILABLE AT A CENTRAL LOCATION ON-SITE FOR THE USE OF ALL THOSE IDENTIFIED AS HAVING RESPONSIBILITIES UNDER THE SWPPP WHENEVER THEY ARE ON THE CONSTRUCTION SITE. IF AN ON-SITE LOCATION IS UNAVAILABLE TO STORE THE SWPPP WHEN NO PERSONNEL ARE PRESENT, NOTICE OF THE PLAN'S LOCATION MUST BE POSTED NEAR THE MAIN ENTRANCE AT THE CONSTRUCTION SITE.

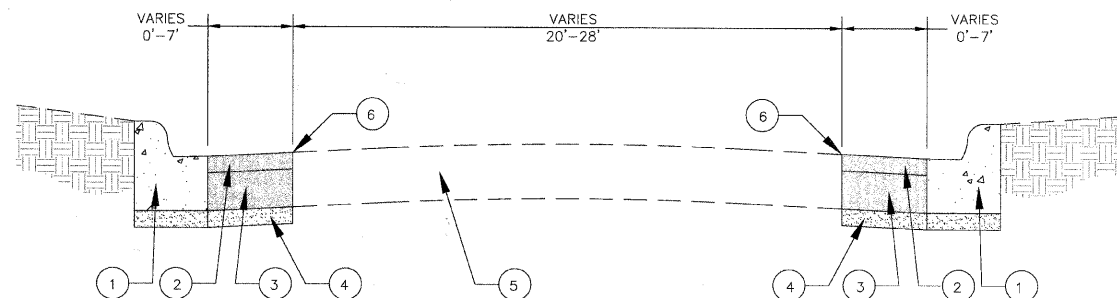
A SIGN OR OTHER NOTICE MUST BE POSTED CONSPICUOUSLY NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE. IF DISPLAYING NEAR THE MAIN ENTRANCE IS INFEASIBLE, THE NOTICE CAN BE POSTED IN A LOCAL PUBLIC BUILDING SUCH AS THE TOWN HALL OR PUBLIC LIBRARY. THE SIGN OR OTHER NOTICE MUST CONTAIN THE FOLLOWING INFORMATION:
 1. A COPY OF THE COMPLETED NOTICE OF INTENT AS SUBMITTED TO THE EPA STORM WATER NOTICE PROCESSING CENTER; AND
 2. IF THE LOCATION OF THE SWPPP OR THE NAME AND TELEPHONE NUMBER OF THE CONTACT PERSON FOR SCHEDULING SWPPP VIEWING TIMES HAS CHANGED (I.E., IS DIFFERENT THAN THAT SUBMITTED TO EPA IN THE NOI), THE CURRENT LOCATION OF THE SWPPP AND NAME AND TELEPHONE NUMBER OF A CONTACT PERSON FOR SCHEDULING VIEWING TIMES.

the Hoeffler-Butler Engineering, Inc.
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 084-00019
 874 S. ROBERTS ROAD HICKORY HILLS, ILLINOIS 60427
 (708) 599-8980 FAX (708) 599-8794

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF JUSTICE 79th STREET & ROBERTS ROAD SIDEWALK CONSTRUCTION EROSION & SEDIMENT CONTROL NOTES
NAME	DATE	
SCALE: 1"=40'		DRAWN BY: JMH CHECKED BY: SAL
DATE: 03/24/11		

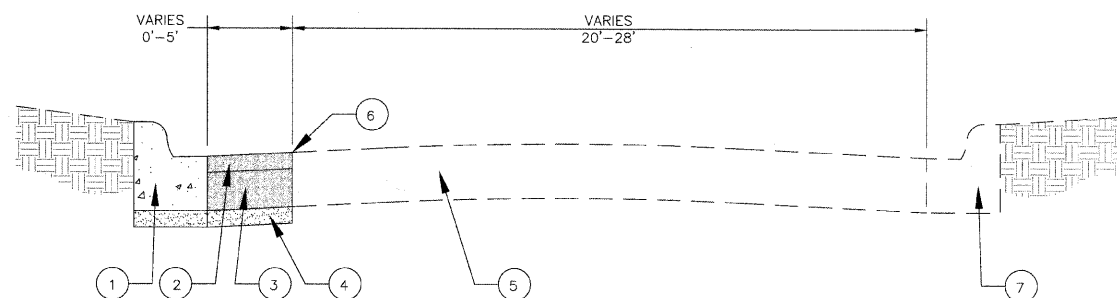
FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	20
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				

- | | |
|--|--|
| ① PROPOSED CURB & GUTTER, TYPE B6.12 (DEPRESS AT SIDEWALK) | ④ PROPOSED SUB-BASE GRANULAR MATERIAL TYPE "B", 4" |
| ② PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE CSE, MIX "F", N90, 1 3/4" | ⑤ EXISTING PAVEMENT |
| ③ PROPOSED BASE CSE WIDENING, 6" | ⑥ SAWCUT |

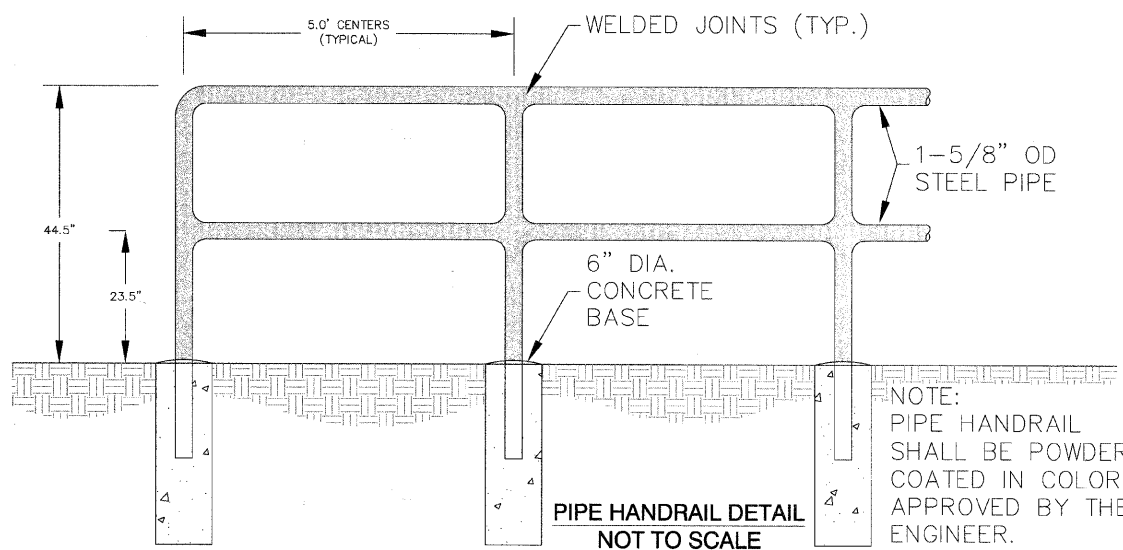


STREET RETURN DETAIL
87th AVE, 86th CT, 86th AVE, 85th CT, 83rd ST

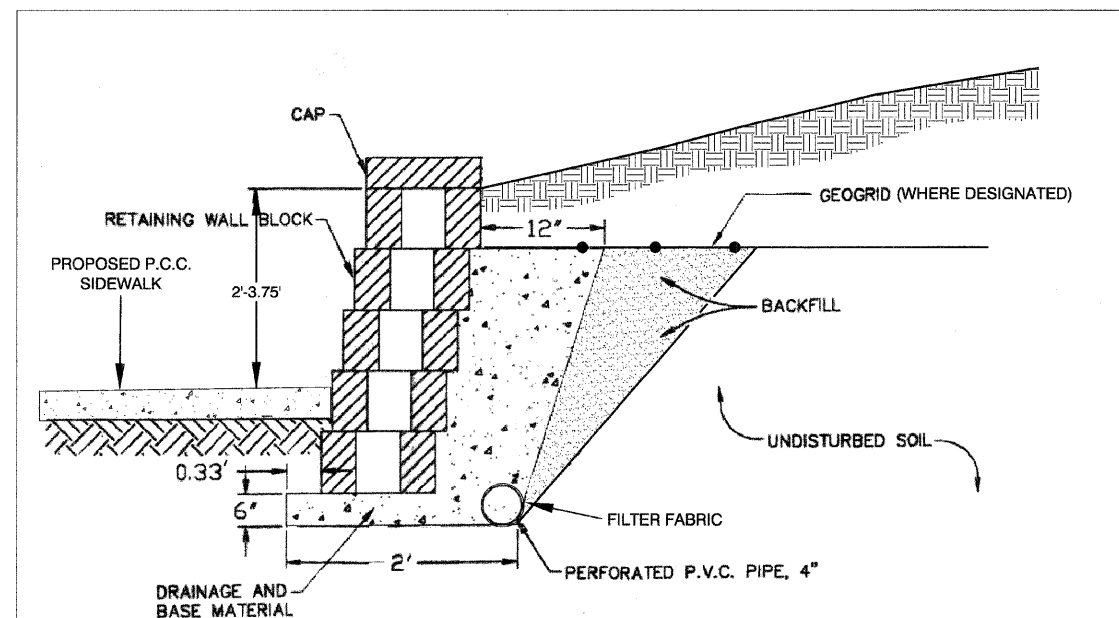
- | | | |
|--|--|--------------------------|
| ① PROPOSED CURB & GUTTER, TYPE B6.12 (DEPRESS AT SIDEWALK) | ④ PROPOSED SUB-BASE GRANULAR MATERIAL TYPE "B", 4" | ⑦ EXISTING CURB & GUTTER |
| ② PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE CSE, MIX "F", N90, 1 3/4" | ⑤ EXISTING PAVEMENT | |
| ③ PROPOSED BASE CSE WIDENING, 6" | ⑥ SAWCUT | |



STREET RETURN DETAIL
87th CT, 85th AVE, 84th CT



PIPE HANDRAIL DETAIL
NOT TO SCALE



PROPOSED TYPICAL CROSS-SECTION WITH RETAINING WALL
NOT TO SCALE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS CHART	
MIXTURE TYPE	AIR VOIDS AT Ndes
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N50 (IL 9.5), 1 1/2"	4% AT 50 GYR
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm), 2 1/4"	4% AT 50 GYR
PAVEMENT WIDENING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5mm); 1 3/4"	4% AT 90 GYR
HMA BASE COURSE (HMA BINDER IL-19mm); 6" (IN TWO LIFTS)	4% AT 90 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

REVISIONS	
NAME	DATE
JMH PER REVIEW	02-28-10
ECC PER REVIEW	05-11-10
JMH PER REVIEW	12-01-10
JMH PER REVIEW	03-24-11

ILLINOIS DEPARTMENT OF TRANSPORTATION
VILLAGE OF JUSTICE
79th STREET & ROBERTS ROAD
SIDEWALK CONSTRUCTION
STREET RETURN, PIPE HANDRAIL,
& RETAINING WALL DETAILS

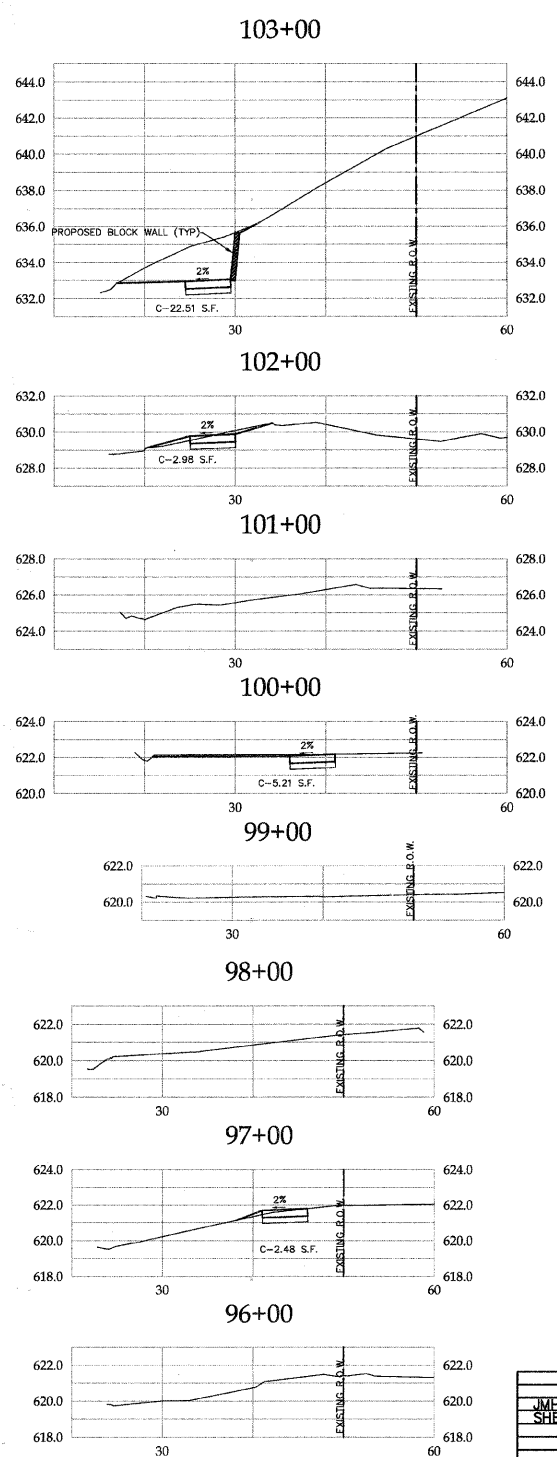
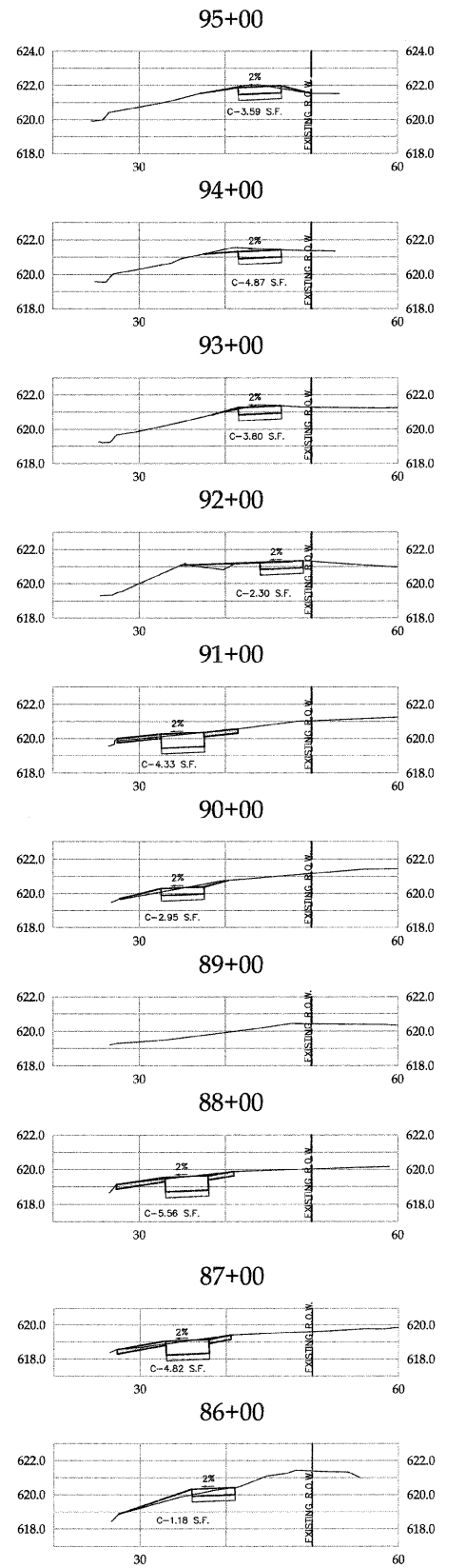
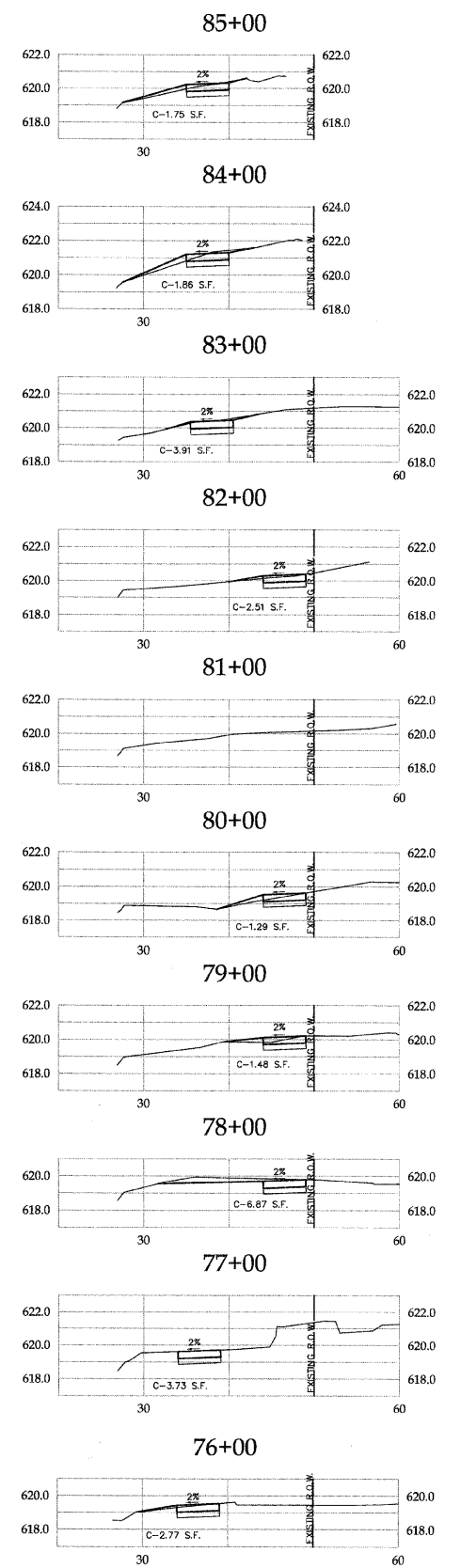
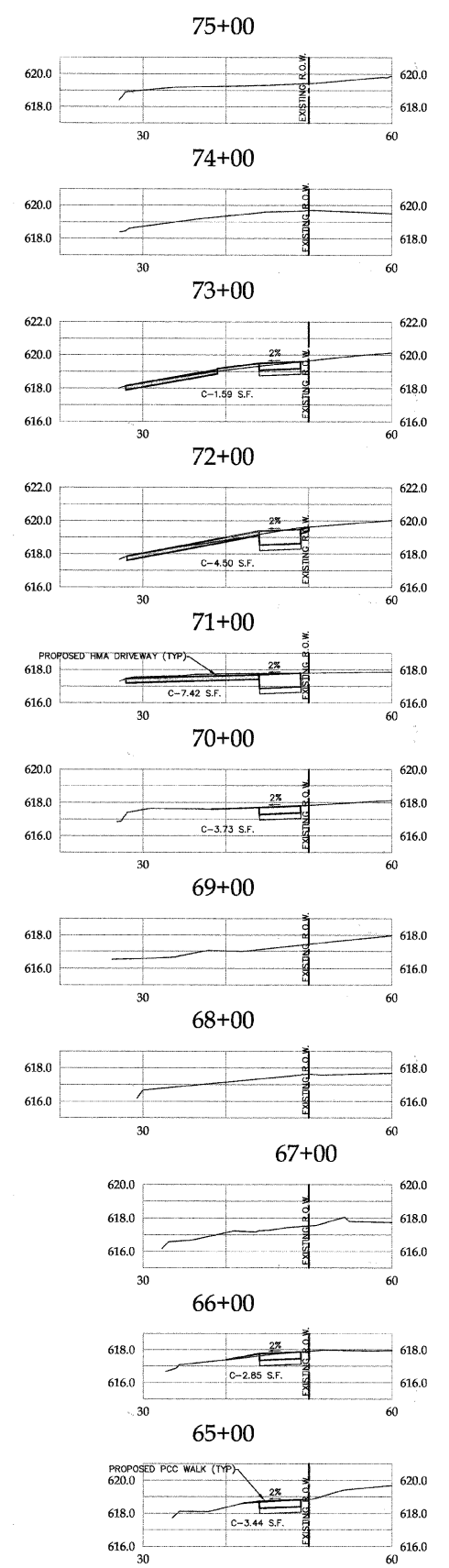
DATE: 12/03/09

DRAWN BY: MH
CHECKED BY: SAL

hbe Hoeffler-Butler Engineering, Inc.
Consulting Civil Engineers - Land Surveyors
PROFESSIONAL DESIGN FIRM LICENSE NO. 084-000819
8714 S. ROBERTS ROAD HOCKEY HILLS, ILLINOIS 60437
(708) 599-8980 FAX (708) 599-8790

FAU RTES.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	21
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				

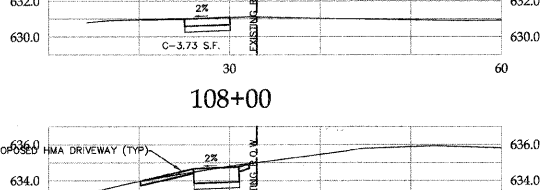
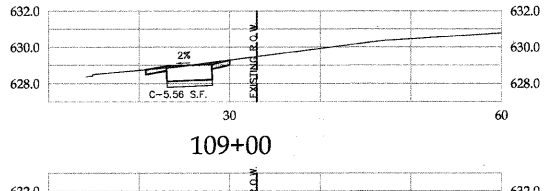
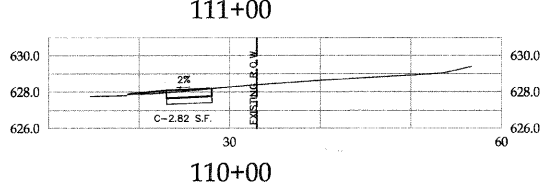
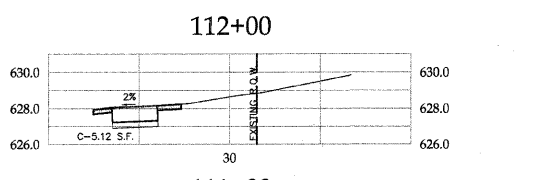
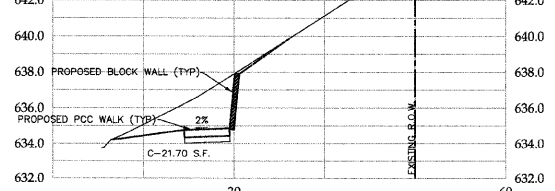
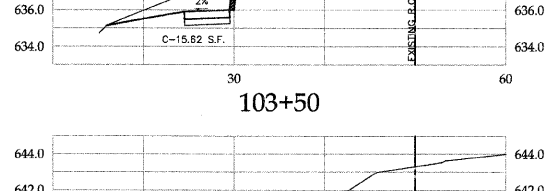
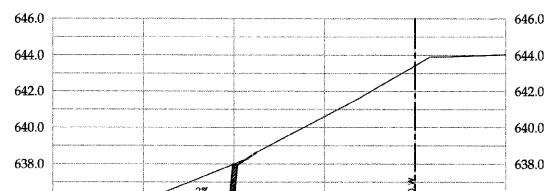
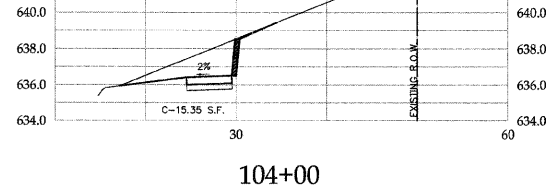
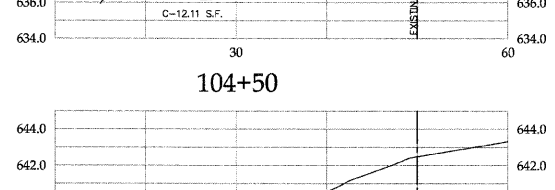
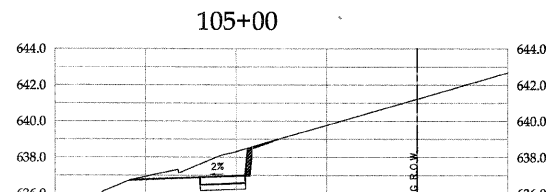
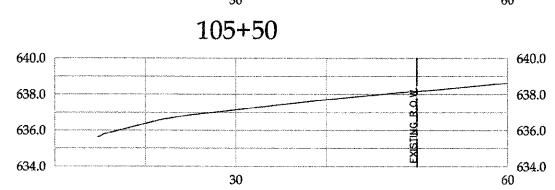
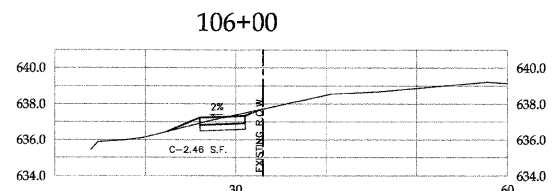
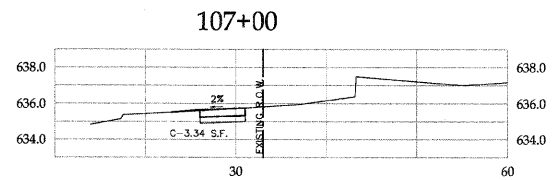
hbe **Hoeffler-Butler Engineering, Inc.**
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 194-00019
 8714 S. ROBERTS ROAD HICKORY HILLS, ILLINOIS 60457
 (708) 593-8988 FAX (708) 593-8798



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	VILLAGE OF JUSTICE
JMH PER REVIEW	12.01.10	79th STREET & ROBERTS ROAD
SHEET No's	03.24.11	SIDEWALK CONSTRUCTION
		79th STREET TO I-294
		CROSS-SECTIONS
SCALE: HORIZ. 1"=10' VERT. 1"=5'		DRAWN BY: JMH
DATE: 12/03/09		CHECKED BY: SAL

hbe **Hoeffler-Butler Engineering, Inc.**
 Consulting Civil Engineers • Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 184-100819
 8714 S. ROBERTS ROAD HICKORY HILLS, ILLINOIS 60437
 (708) 399-8980 FAX (708) 399-8790

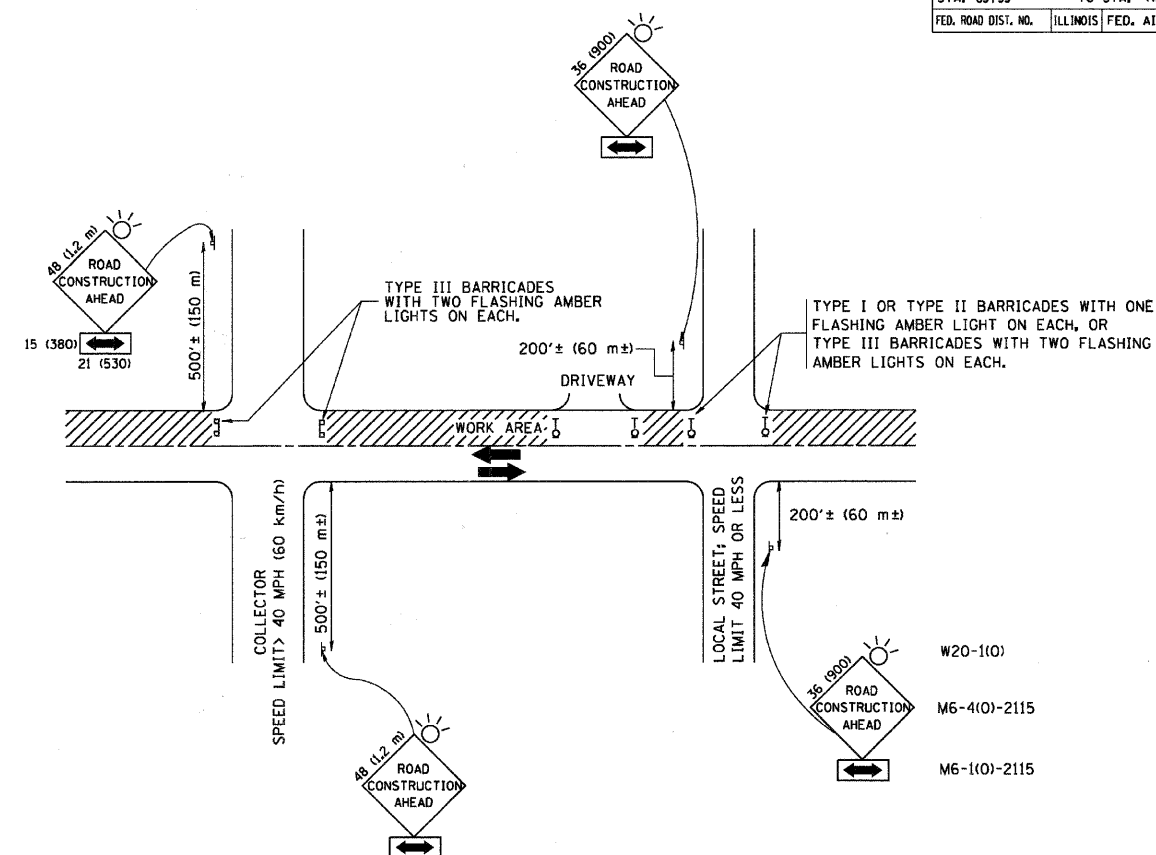
FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	22
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				



REVISIONS		DATE	ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE		
JMH PER REVIEW	12.01.10		VILLAGE OF JUSTICE
SHEET No s	03, 24, 11		79th STREET & ROBERTS ROAD
			SIDEWALK CONSTRUCTION
			79th STREET TO I-294
			CROSS-SECTIONS

SCALE: HORIZ: 1"=10' VERT: 1"=5'
 DATE: 12/03/09 DRAWN BY: JMH CHECKED BY: SAL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	23
STA. 09+89	TO STA. 112+83			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 - USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
 - C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
 - D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.
- 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

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

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL AND PROTECTION
 FOR
 SIDE ROADS, INTERSECTIONS, AND
 DRIVEWAYS

SCALE: NONE

DRAWN BY

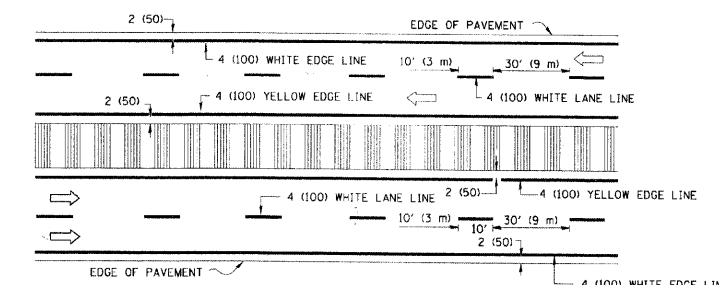
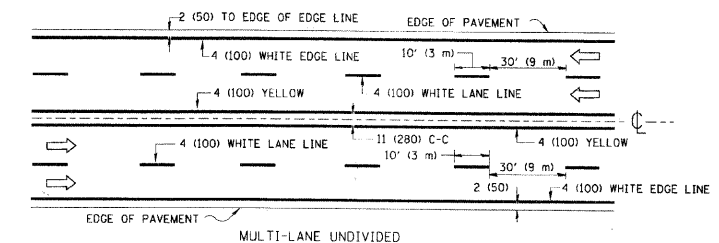
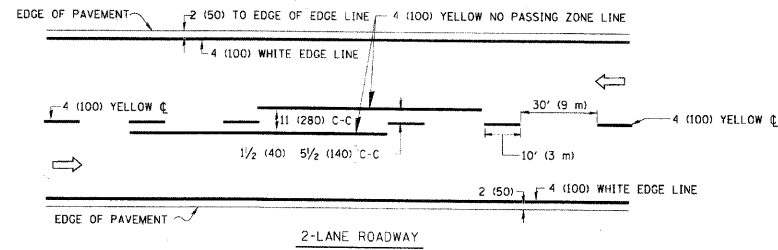
CHECKED BY

TC-10

hbe **Hoeflerle-Butler Engineering, Inc.**
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 084-000819
 8714 S. ROBERTS ROAD HOCKEY HILLS, ILLINOIS 60457
 (708) 595-8988 FAX (708) 595-8796

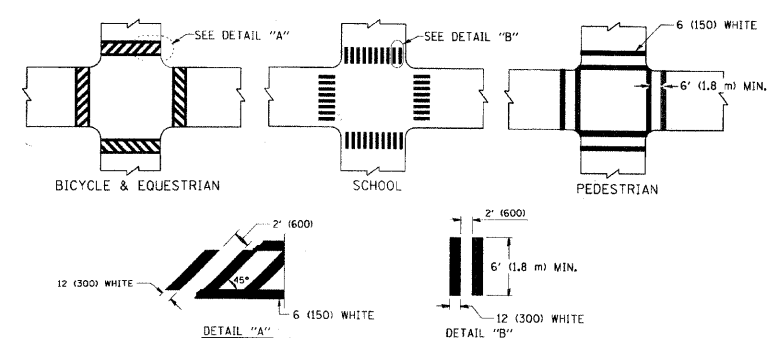
PLOT DATE : 3/6/2007
 PLOT SCALE : 24.0000 / IN
 USER NAME : bward

F.A. DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	24
STA. 09+99	TO STA. 112+83			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

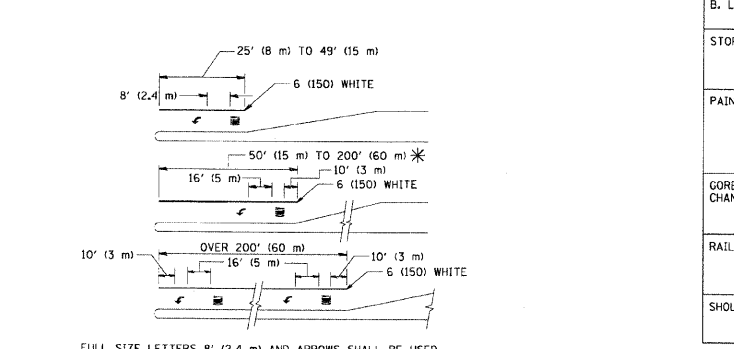
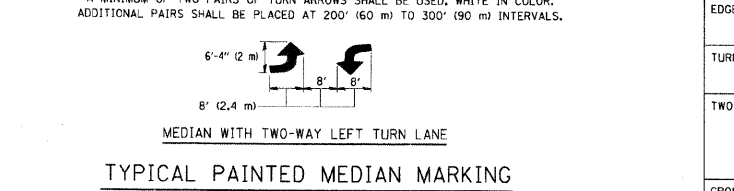
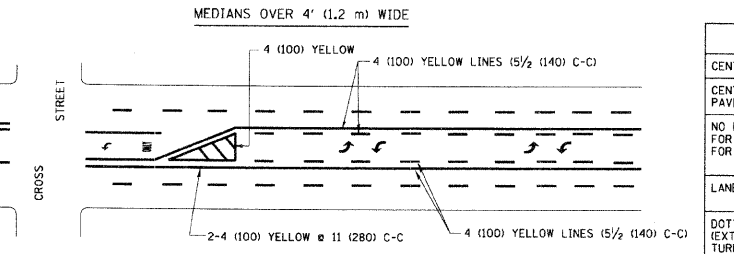
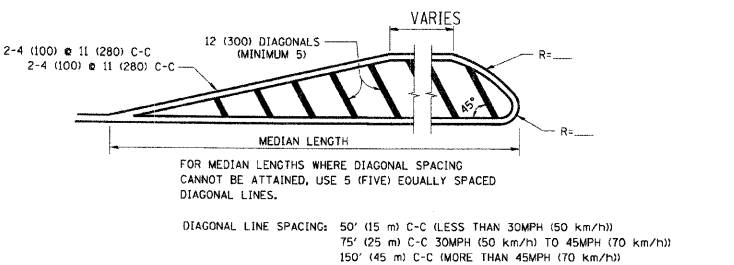
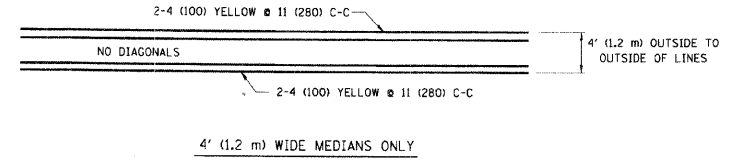


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

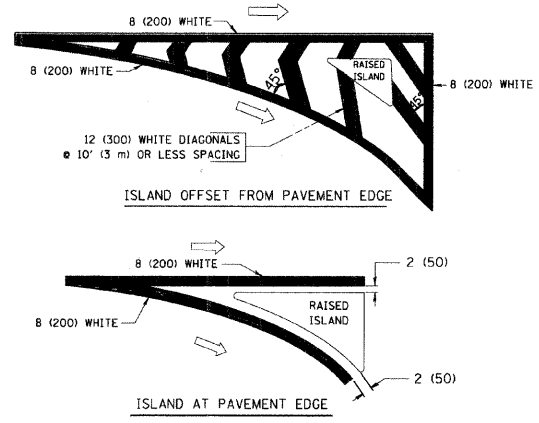


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW. EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

hbe Hoeffler-Butler Engineering, Inc.
 Consulting Civil Engineers - Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 084-00089
 8774 S. ROBERTS ROAD - HICORY HILLS, ILLINOIS 60437
 (708) 599-8900 FAX (708) 599-8950

PLOT DATE = 9/2/2009
 PLOT SCALE = 1"=40'
 USER NAME = drivekong

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
C. JUCIUS	09-09-09

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE

TYPICAL PAVEMENT MARKINGS

SCALE: NONE

DRAWN BY CADD

CHECKED BY

TC-13