

SHEET NO.	ITEM
1	COVER SHEET
2	GENERAL NOTES, HIGHWAY STANDARDS & COMMITMENTS
3-4	SUMMARY OF QUANTITIES
5-8	TYPICAL SECTIONS
9-10	SCHEDULE OF QUANTITIES
11-13	ROADWAY PLAN SHEETS
14-15	ROADWAY PROFILE SHEETS
16-17	EROSION & SEDIMENT CONTROL SHEETS
18	INTERSECTION DETAIL SHEET
19-21	PAVEMENT MARKING & SIGNING PLAN
22-24	CONSTRUCTION DETAILS
25-28	PALMER ROAD CROSS SECTIONS SHEETS
29-31	OLD ROUTE 3 CROSS SECTIONS SHEETS
32-33	GHENT ROAD CROSS SECTIONS SHEETS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED  
PALMER RD & OLD IL 3 / GHENT RD  
INTERSECTION IMPROVEMENTS**

CITY OF COLUMBIA  
FAU ROUTE 9300 (PALMER ROAD)  
SECTION 10-00048-01-PV  
PROJECT: CMM-5011 (319)  
JOB NO.: C-98-300-11  
MONROE COUNTY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9300	10-00048-01-PV	MONROE	33	1
FEDERAL AID PROJECT ILLINOIS		CONTRACT NO. 97505		

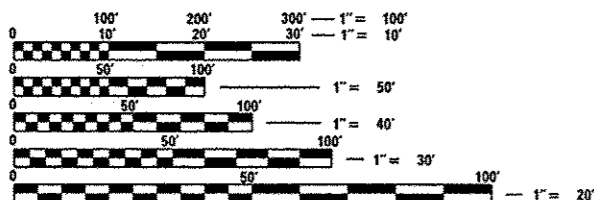


**DESIGN DESIGNATION**

FAU ROUTE 9300 (PALMER ROAD)  
MINOR ARTERIAL  
CURRENT ADT=7,380  
2022 ADT=9,000  
DESIGN SPEED=40 MPH

OLD IL ROUTE 3  
MINOR ARTERIAL  
CURRENT ADT=5,560  
2022 ADT=6,780  
DESIGN SPEED=30 MPH

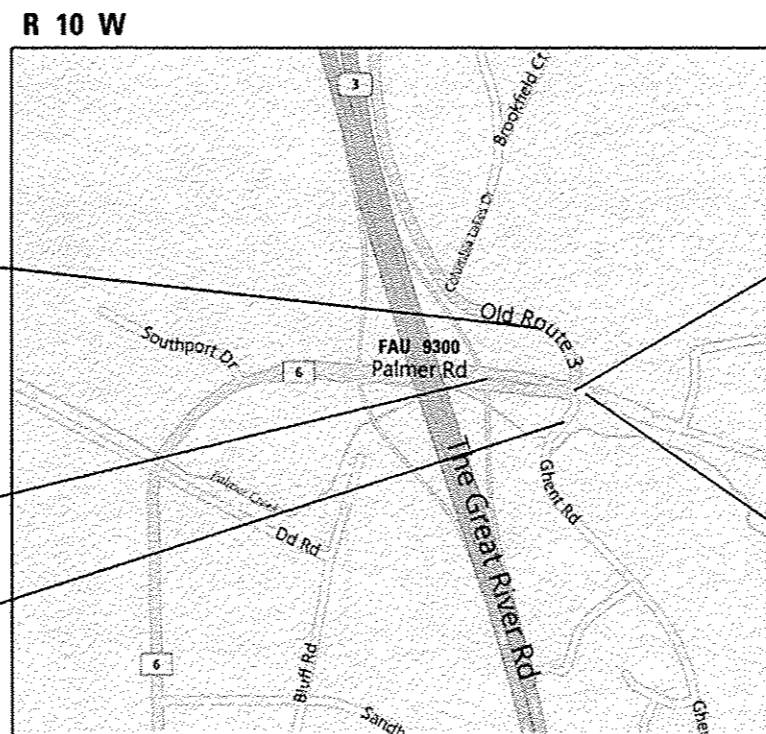
GHENT ROAD  
MINOR ARTERIAL  
CURRENT ADT=1,840  
2022 ADT=2,240  
DESIGN SPEED=30 MPH



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

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

CONTRACT NO. 97505



**LOCATION MAP**  
NOT TO SCALE

PALMER ROAD LENGTH = 636.02 FEET (0.120 MILES)  
OLD IL ROUTE 3 LENGTH = 383.14 FEET (0.073 MILES)  
GHENT ROAD LENGTH = 253.47 FEET (0.048 MILES)  
NET LENGTH = 1,272.63 FEET (0.241 MILES)



ILLINOIS  
Eastport Business Center 1  
100 Lanter Court, Suite 1  
Columbia, IL 62234  
tel 618.345.2200  
fax 618.345.7233

MISSOURI  
Laclede Gas Building  
720 Olive, Suite 1660  
St. Louis, MO 63101  
tel 314.588.8381  
fax 314.588.9605

www.oatesassociates.com

CENTRAL BUREAU OF  
2012 JUL 24 A 11:13  
LOCAL ROADS & STREETS

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED 7-19 20 12  
*Kevin P. Hester*  
CITY OF COLUMBIA, MAYOR

PASSED 7-23 20 12  
*John M. Calk*  
DISTRICT PROJECT IMPLEMENTATION ENGINEER

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW July 23 20 12  
*Thomas L. Cissell*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

*Thomas L. Cissell* 7/19/2012  
THOMAS L. CISSSELL, P.E. Date  
License Expires 11/30/2013

**GENERAL NOTES**

- UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEIR LOCATIONS MUST BE CONSIDERED TO BE APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO. ILLINOIS LAW REQUIRES A MINIMUM 48-HOUR NOTICE TO ALL UTILITY COMPANIES BEFORE DIGGING. FIELD LOCATIONS OF UNDERGROUND FACILITIES MAY BE OBTAINED BY CALLING THE J.U.L.I.E. SYSTEM AT 800-892-0123 AND PROVIDING 48 HOURS ADVANCE NOTICE. NON-J.U.L.I.E MEMBERS MUST BE NOTIFIED INDIVIDUALLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT LIMITS ARE LISTED BELOW.
- ANY FACILITIES OR APPURTENANCES WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF ANY SUCH FACILITY IN THEIR REMOVAL AND REARRANGEMENT OPERATIONS IN ORDER THAT THESE OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER. ALL ROADSIDE OBJECTS (UTILITY POLES, FIRE HYDRANTS, SIGNS, ETC.) SHALL BE RELOCATED TO PROVIDE A MINIMUM OF 1.5 FEET CLEARANCE, MEASURED FROM THE FACE OF CURB TO THE NEAR EDGE OF THE OBJECT OR 4.0 FEET CLEARANCE, MEASURED FROM THE EDGE OF TRAVELED WAY ALONG A SHOULDER.
- THE FOLLOWING UTILITY COMPANIES MAY HAVE FACILITIES LOCATED WITHIN THE LIMITS OF CONSTRUCTION WHICH MAY REQUIRE ADJUSTMENT, RELOCATION OR REMOVAL. ALL ARE MEMBERS OF J.U.L.I.E., UNLESS NOTED OTHERWISE.

AMEREN ILLINOIS (GAS & ELECTRIC)  
1050 WEST BOULEVARD  
PO BOX 428, MC-P-10  
BELLEVILLE, IL 62222

AT&T LONG DISTANCE (TELEPHONE)  
866 ROCK CREEK ROAD  
PLANO, ILLINOIS 60545

CENTERPOINT ENERGY (PIPELINE)  
11839 BLUFF ROAD  
COLUMBIA, ILLINOIS 62236  
618-281-7167

CHARTER COMMUNICATIONS (COMMUNICATIONS)  
815 CHARTER COMMONS  
TOWN & COUNTRY, MO 63017

CITY OF COLUMBIA (WATER & SEWER)  
110 W. SAND BANK ROAD  
COLUMBIA, IL 62236

HTC HARRISONVILLE TELEPHONE COMPANY (TELEPHONE)  
213 SOUTH MAIN STREET  
P.O. BOX 149  
WATERLOO, IL 62298-0149


ILLINOIS DEPARTMENT OF TRANSPORTATION (LIGHTING)  
\*NON J.U.L.I.E. MEMBER  
1102 EASTPORT PLAZA DRIVE  
COLLINSVILLE, IL 62234-6198

- THE ABOVE INFORMATION REPRESENTS THE BEST INFORMATION AVAILABLE TO THE LOCAL AGENCY AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN PREPARING HIS/HER BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCE CAUSED BY SAME.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE LOCAL POSTMASTER FOR APPROVAL OF ALL TEMPORARY MAILBOX LOCATIONS. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THIS PROVISION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL CONFINE ALL OPERATIONS TO THE CONSTRUCTION LIMITS LINE SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.

- THE CONTRACTOR SHALL FERTILIZE, SEED AND MULCH ALL EARTH SURFACES DISTURBED BY CONSTRUCTION. FERTILIZER, SEEDING AND MULCH WITHIN THE CONSTRUCTION LIMITS WILL BE PAID FOR AS PROVIDED IN THE CONTRACT. FERTILIZER, SEEDING AND MULCH OUTSIDE THESE LIMITS WILL NOT BE MEASURED FOR PAYMENT. SEE THE SEEDING SCHEDULE FOR ESTIMATED PLAN QUANTITIES.
- THE CONTRACTOR SHALL NOTE THE LOCATION OF ALL MANHOLE AND VALVE COVER FRAMES AND LIDS LOCATED WITHIN RESURFACING LIMITS. APPROPRIATE CARE SHALL BE TAKEN TO PROTECT THESE ITEMS DURING MILLING OPERATIONS.
- THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURES ARE PLACED.
- THE CONTRACTOR SHALL APPLY SHORT-TERM OR TEMPORARY PAVEMENT MARKINGS TO THE MILLED, PRIMED AND EACH HOT-MIX ASPHALT LAYER. A QUANTITY FOR SHORT-TERM OR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING TIMES THE NUMBER OF REQUIRED APPLICATIONS HAS BEEN INCLUDED IN THE PLANS. ONLY THE FINAL APPLICATION OF SHORT-TERM OR TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND SEPARATE PAYMENT WILL BE MADE FOR WORK ZONE PAVEMENT MARKING REMOVAL.
- THE PAVEMENT MARKING LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE. PROPOSED STOP BARS SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER, IF NECESSARY, TO MATCH FIELD CONDITIONS.
- THE FOLLOWING ITEMS AND APPROXIMATE QUANTITIES ARE INCLUDED IN THE "SUMMARY OF QUANTITIES" IN ORDER TO ESTABLISH A UNIT COST FOR WORK WHICH MAY BE REQUIRED TO CONSTRUCT THIS SECTION. THE ACTUAL QUANTITY OF EACH ITEM SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

LOCATING UNDERGROUND CABLE 800 FOOT  
LOCATING UNDERGROUND UTILITIES 100 FOOT

- THE FOLLOWING SYMBOLS, ABBREVIATIONS AND PATTERNS SUPPLEMENT OR SUPERCEDE HIGHWAY STANDARD 000001:

-  FLARED END SECTION
- BO BY OTHERS (USED IN CONJUNCTION WITH TBA & TBR)
- CONSTR CONSTRUCTION
- CP CONTROL POINT
- ESMT EASEMENT
- K LENGTH OF VERTICAL CURVE PER PERCENT GRADE DIFFERENCE
- N/F NOW OR FORMERLY
- O/C OIL AND CHIP
- PERM PERMANENT
- PVI POINT OF VERTICAL INTERSECTION
- PVC POLYVINYL CHLORIDE PIPE
- TCE TEMPORARY CONSTRUCTION EASEMENT
- TUP TEMPORARY USE PERMIT
- TBA TO BE ADJUSTED
- TBRL TO BE RELOCATED
- TYP TYPICAL
- W WIDTH

**HIGHWAY STANDARDS**

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-06 TEMPORARY EROSION CONTROL SYSTEMS
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 601001-04 SUB-SURFACE DRAINS
- 601101-01 CONCRETE HEADWALL FOR PIPE DRAIN
- 665001-02 WOVEN WIRE FENCE
- 701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
- 701006-03 OFF-RD OPERATIONS, 2L, 2W 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701101-02 OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701106-02 OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
- 701701-08 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901-02 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-03 SIGN PANEL ERECTION DETAILS
- 720011-01 METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
- 720021-02 SIGN PANELS EXTRUDED ALUMINUM TYPE
- 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
- 780001-03 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 782001 PRISMATIC CURB REFLECTORS
- 836001-01 LIGHT POLE FOUNDATION

**COMMITMENTS**

NONE

FILE NAME : DB10006-shr-gennote.dgn	USER NAME : default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES, HIGHWAY STANDARDS &amp; COMMITMENTS</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT TIME : 1:58:57 PM	DRAWN -	REVISED -		SCALE:	SHEET 01	OF 01	SHEETS	STA.	TO STA.	9300	10-00048-01-PV	MONROE	33 02
	PLOT SCALE : 100.0000 ' / IN.	CHECKED -	REVISED -		CONTRACT NO. 97505									
	PLOT DATE : 7/19/2012	DATE -	REVISED -		ILLINOIS FED. AID PROJECT									

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	530
S 20800150	TRENCH BACKFILL	CU YD	4
S 21101805	COMPOST FURNISH AND PLACE, 2"	SO YD	1,277
S 25000210	SEEDING, CLASS 2A	ACRE	0.4
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	706
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	60
28000305	TEMPORARY DITCH CHECKS	FOOT	40
28000400	PERIMETER EROSION BARRIER	FOOT	471
S 28100105	STONE RIPRAP, CLASS A3	SO YD	81
28200200	FILTER FABRIC	SO YD	81
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	803
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	466
40600300	AGGREGATE (PRIME COAT)	TON	9
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	694

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
40701911	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11 1/2"	SO YD	719
44000100	PAVEMENT REMOVAL	SO YD	145
S 44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	6,200
44004250	PAVED SHOULDER REMOVAL	SO YD	495
48101200	AGGREGATE SHOULDERS, TYPE B	TON	33
S 48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	344
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	11
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1
60107600	PIPE UNDERDRAINS 4"	FOOT	506
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	15
66500105	WOVEN WIRE FENCE, 4'	FOOT	344
67100100	MOBILIZATION	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,003

\* SPECIALTY ITEMS S - SEE JOB SPECIFIC SPECIAL PROVISIONS

FILE NAME : 0818896-shl-500.dgn	USER NAME : default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT TIME : 1:51:38 PM	DRAWN -	REVISED -					9300	10-00048-01-PV	MONROE	33	03
	PLOT SCALE : 100.0000' / IN.	CHECKED -	REVISED -		SCALE: SHEET 01 OF 02 SHEETS STA. TO STA.			CONTRACT NO. 97505				
	PLOT DATE : 7/18/2012	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	213
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	4,846
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	532
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	236
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	45
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2,839
72000100	SIGN PANEL - TYPE 1	SQ FT	10
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2
72400730	RELOCATE SIGN PANEL - TYPE 3	SQ FT	127
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	32
S 73400100	CONCRETE FOUNDATIONS	CU YD	2.4
73502000	RELOCATE GROUND MOUNTED SIGN SUPPORT	EACH	2
73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	2
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	213

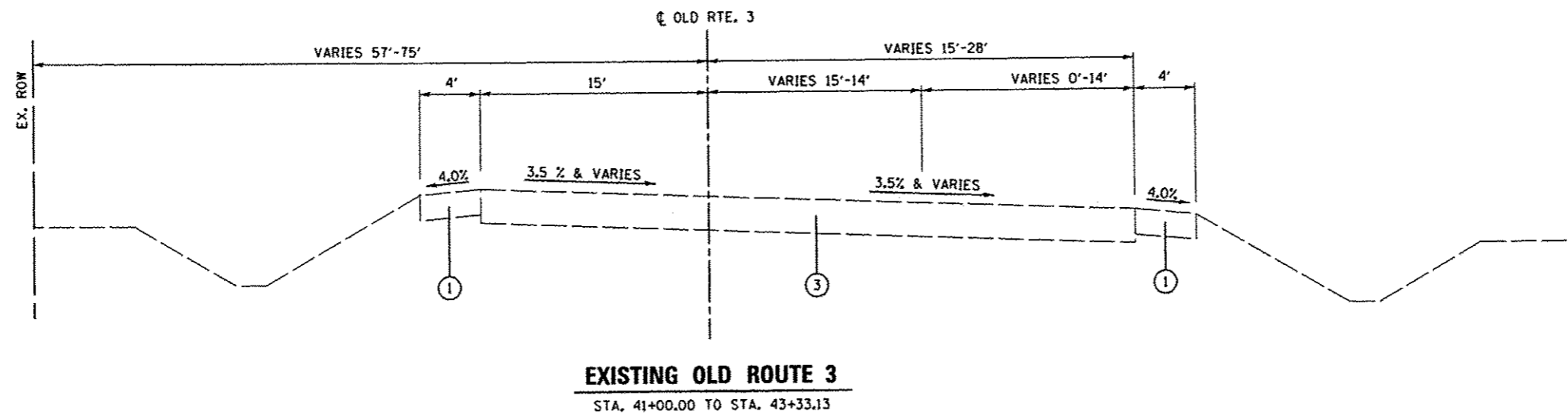
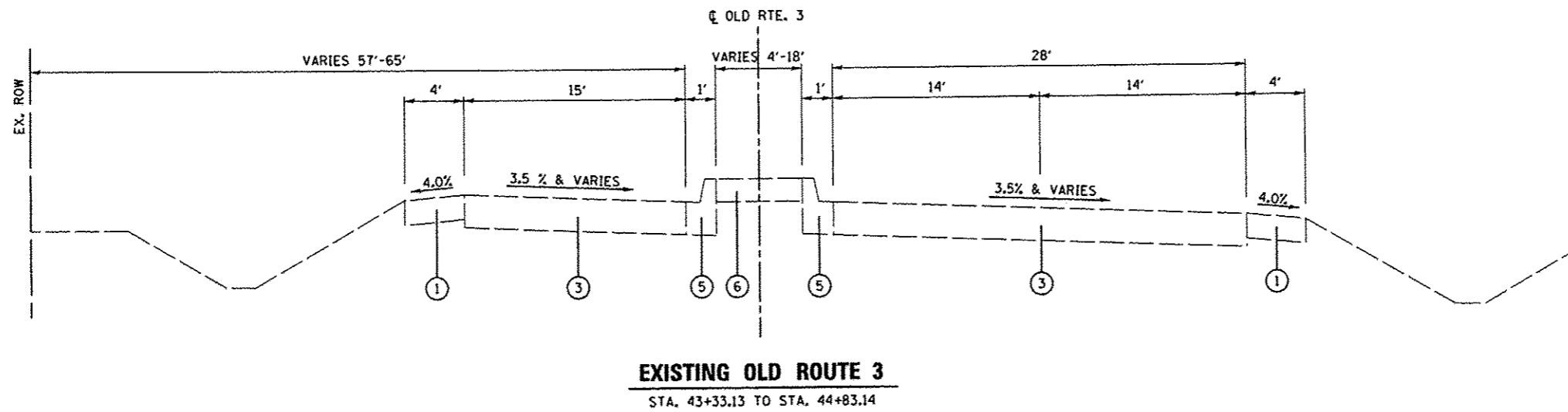
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4,846
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	532
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	236
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	45
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	26
* 78200300	PRISMATIC CURB REFLECTOR	EACH	47
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	800
* 81603035	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	725
* 83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	7
* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1
S * Z0036200	PAINT CURB	FOOT	318
S X0327235	LOCATING UNDERGROUND UTILITIES	FOOT	100
S X6650202	WOVEN WIRE FENCE REMOVAL	FOOT	344
S X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1

\* SPECIALTY ITEMS S - SEE JOB SPECIFIC SPECIAL PROVISIONS

FILE NAME * DB10006-ht-500.dgn	USER NAME * default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.U. RTE. 9300	SECTION 10-00048-01-PV	COUNTY MONROE	TOTAL SHEETS 33	SHEET NO. 04
PLOT TIME * 1:51:48 PM	DRAWN -	REVISED -	SCALE: SHEET 02 OF 02 SHEETS STA. TO STA.					ILLINOIS FED. AID PROJECT				
PLOT SCALE * 100.0000' / IN.	CHECKED -	REVISED -										
PLOT DATE * 7/10/2012	DATE -	REVISED -										

**TYPICAL SECTION LEGEND**

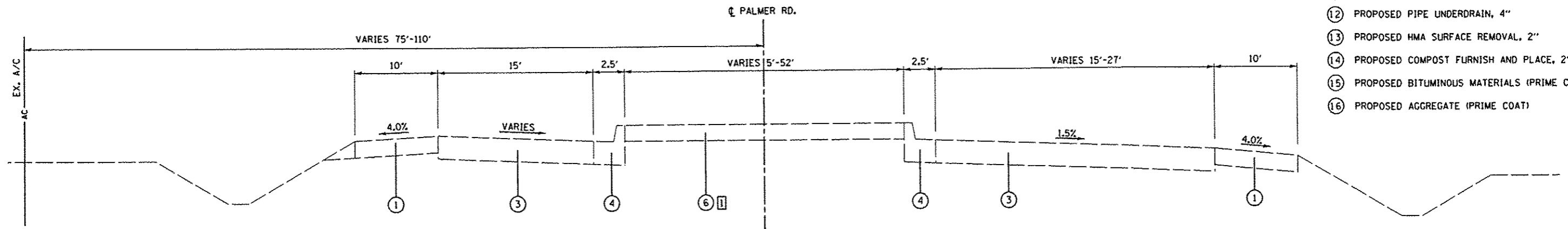
- ① EXISTING HOT-MIX ASPHALT SHOULDER
- ② EXISTING AGGREGATE SHOULDER
- ③ EXISTING HOT-MIX ASPHALT
- ④ EXISTING CURB AND GUTTER, TYPE B-6.24
- ⑤ EXISTING CURB AND GUTTER, TYPE B-6.06
- ⑥ EXISTING CONCRETE MEDIAN SURFACE
- ⑦ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A
- ⑧ PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 11 1/2"
- ⑨ PROPOSED AGGREGATE SHOULDERS, TYPE B
- ⑩ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- ⑪ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 2"
- ⑫ PROPOSED PIPE UNDERDRAIN, 4"
- ⑬ PROPOSED HMA SURFACE REMOVAL, 2"
- ⑭ PROPOSED COMPOST FURNISH AND PLACE, 2"
- ⑮ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑯ PROPOSED AGGREGATE (PRIME COAT)



FILE NAME : 0818086-shr-typical.dgn	USER NAME : default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING TYPICAL SECTIONS</b>			F.A.J.I RTE. 9300	SECTION 10-00048-01-PV	COUNTY MONROE	TOTAL SHEETS 33	SHEET NO. 05	
	PLOT TIME : 1:52:02 PM	DRAWN -	REVISED -		SCALE: NTS    SHEET 01 OF 04 SHEETS    STA.    TO STA.			ILLINOIS FED. AID PROJECT					
	PLOT SCALE : 100.0000' / IN.	CHECKED -	REVISED -										
	PLOT DATE : 7/18/2012	DATE -	REVISED -										

**TYPICAL SECTION LEGEND**

- ① EXISTING HOT-MIX ASPHALT SHOULDER
- ② EXISTING AGGREGATE SHOULDER
- ③ EXISTING HOT-MIX ASPHALT
- ④ EXISTING CURB AND GUTTER, TYPE B-6.24
- ⑤ EXISTING CURB AND GUTTER, TYPE B-6.06
- ⑥ EXISTING CONCRETE MEDIAN SURFACE
- ⑦ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A
- ⑧ PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 11 1/2"
- ⑨ PROPOSED AGGREGATE SHOULDERS, TYPE B
- ⑩ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- ⑪ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 2"
- ⑫ PROPOSED PIPE UNDERDRAIN, 4"
- ⑬ PROPOSED HMA SURFACE REMOVAL, 4"
- ⑭ PROPOSED COMPOST FURNISH AND PLACE, 2"
- ⑮ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑯ PROPOSED AGGREGATE (PRIME COAT)

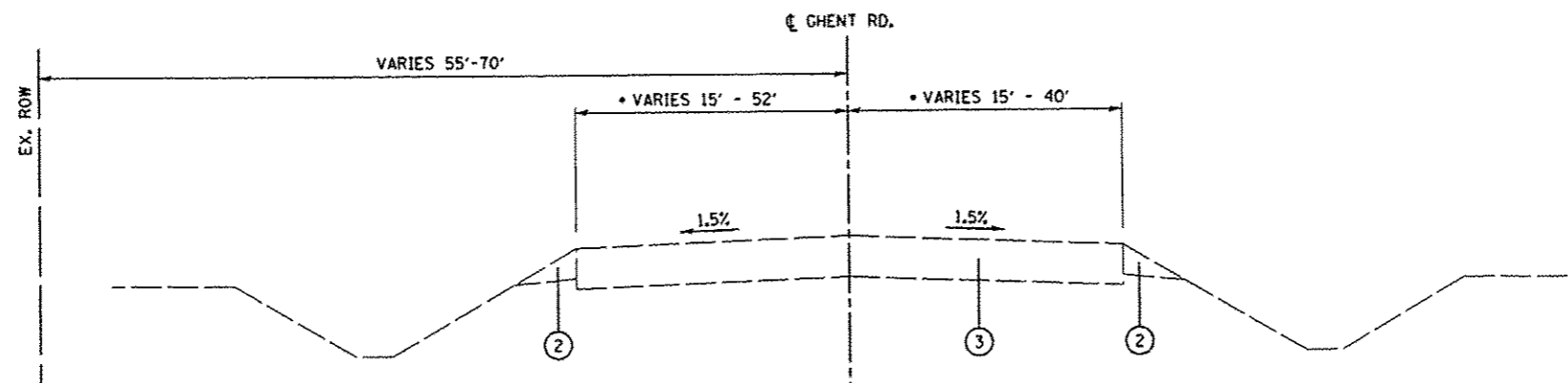


**EXISTING PALMER ROAD**

STA. 52+65.02 TO STA. 59+08.80

**TYPICAL SECTION NOTES**

- ① GRASS MEDIAN FROM STATION 52+88.82 TO 56+30.62



**EXISTING GHENT RD.**

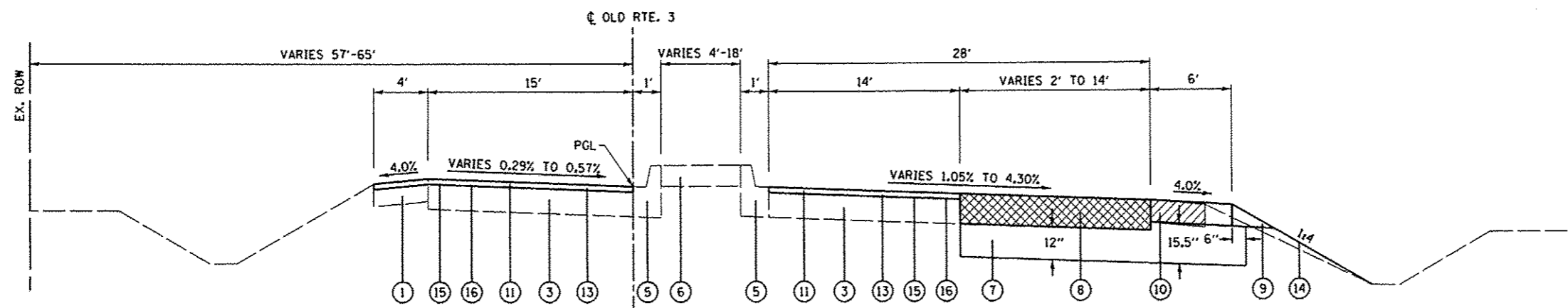
STA. 44+83.00 TO STA. 47+36.47

• LANE WIDTHS VARY WITHIN INTERSECTION

FILE NAME = 0810006-shr-typical.dgn	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING TYPICAL SECTIONS</b>			F.A.U. RTE. 9300	SECTION 10-00048-01-PV	COUNTY MONROE	TOTAL SHEETS 33	SHEET NO. 06
	PLOT TIME = 1:52:12 PM	DRAWN -	REVISED -		SCALE: NTS	SHEET 02 OF 04 SHEETS	STA.	TO STA.	CONTRACT NO. 97505			
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 7/18/2012	DATE -	REVISED -									

**TYPICAL SECTION LEGEND**

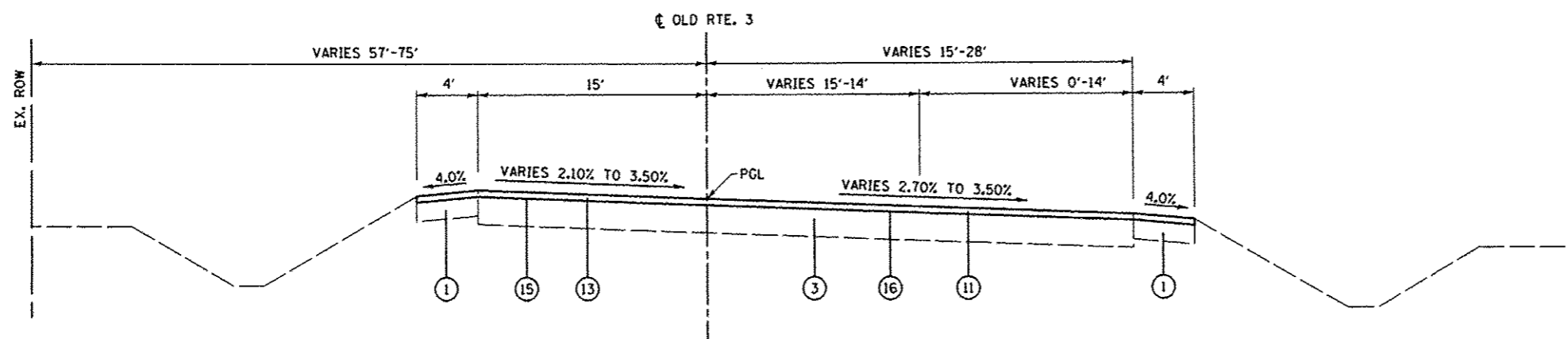
- ① EXISTING HOT-MIX ASPHALT SHOULDER
- ② EXISTING AGGREGATE SHOULDER
- ③ EXISTING HOT-MIX ASPHALT
- ④ EXISTING CURB AND GUTTER, TYPE B-6.24
- ⑤ EXISTING CURB AND GUTTER, TYPE B-6.06
- ⑥ EXISTING CONCRETE MEDIAN SURFACE
- ⑦ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A
- ⑧ PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 11 1/2"
- ⑨ PROPOSED AGGREGATE SHOULDERS, TYPE B
- ⑩ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- ⑪ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 2"
- ⑫ PROPOSED PIPE UNDERDRAIN, 4"
- ⑬ PROPOSED HMA SURFACE REMOVAL, 2"
- ⑭ PROPOSED COMPOST FURNISH AND PLACE, 2"
- ⑮ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑯ PROPOSED AGGREGATE (PRIME COAT)



**PROPOSED OLD ROUTE 3**  
STA. 43+33.13 TO STA. 44+83.14

PAVEMENT REMOVAL, SEE SHEET #12 FOR LIMITS

SHOULDER REMOVAL



**PROPOSED OLD ROUTE 3**  
STA. 41+00.00 TO STA. 43+33.13

**HOT-MIX ASPHALT MIXTURES REQUIREMENT TABLE**

MIXTURE USE(S):	HOT-MIX ASPHALT (BINDER)	HOT-MIX ASPHALT SHOULDER	HOT-MIX ASPHALT SURFACE COURSE
AC/PGs:	PG 64-22	PG 58-22	PG 64-22
DESIGN AIR VOIDS:	Ndes=90	Ndes=70	Ndes=70
FRICTION AGGREGATE	MIXTURE "C"	BAM	MIXTURE "D"

FILE NAME +	USER NAME = default	DESIGNED -	REVISED -
DB10086-ht-typical.dgn	PLOT TIME = 9:26:26 AM	DRAWN -	REVISED -
	PLOT SCALE = 100,0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 7/19/2012	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

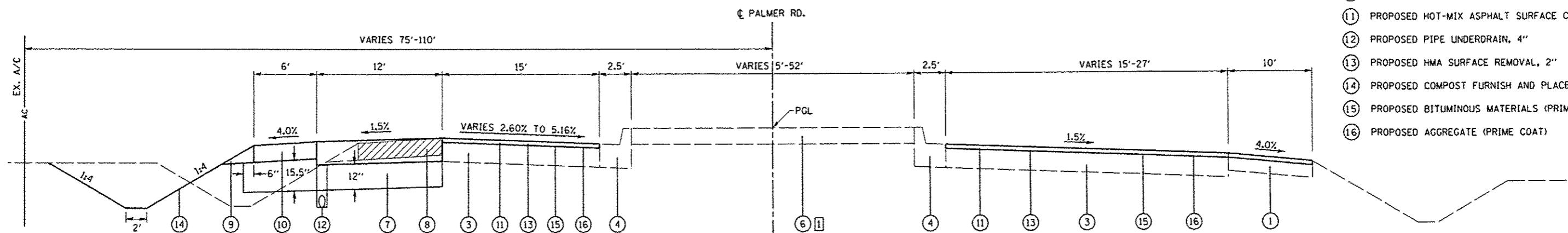
**PROPOSED TYPICAL SECTIONS**

SCALE: NTS SHEET 03 OF 04 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9300	10-00048-01-PV	MONROE	33	07
CONTRACT NO. 97505				
ILLINOIS FED. AID PROJECT				

**TYPICAL SECTION LEGEND**

- ① EXISTING HOT-MIX ASPHALT SHOULDER
- ② EXISTING AGGREGATE SHOULDER
- ③ EXISTING HOT-MIX ASPHALT
- ④ EXISTING CURB AND GUTTER, TYPE B-6.24
- ⑤ EXISTING CURB AND GUTTER, TYPE B-6.06
- ⑥ EXISTING CONCRETE MEDIAN SURFACE
- ⑦ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A
- ⑧ PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 11 1/2"
- ⑨ PROPOSED AGGREGATE SHOULDERS, TYPE B
- ⑩ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- ⑪ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 2"
- ⑫ PROPOSED PIPE UNDERDRAIN, 4"
- ⑬ PROPOSED HMA SURFACE REMOVAL, 2"
- ⑭ PROPOSED COMPOST FURNISH AND PLACE, 2"
- ⑮ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑯ PROPOSED AGGREGATE (PRIME COAT)



**PROPOSED PALMER ROAD**  
STA. 52+65.02 TO STA. 59+08.80

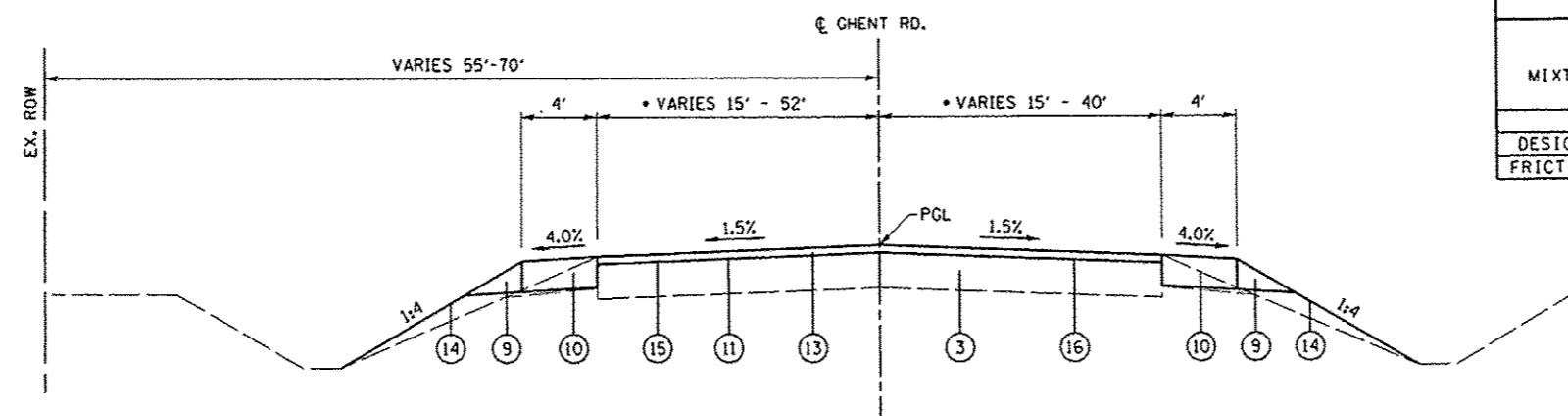
SHOULDER REMOVAL

**TYPICAL SECTION NOTES**

① GRASS MEDIAN FROM STATION 52+88.82 TO 56+30.62

**HOT-MIX ASPHALT MIXTURES REQUIREMENT TABLE**

MIXTURE USE(S):	HOT-MIX ASPHALT (BINDER)	HOT-MIX ASPHALT SHOULDER	HOT-MIX ASPHALT SURFACE COURSE
AC/PG:	PG 64-22	PG 58-22	PG 64-22
DESIGN AIR VOIDS:	Ndes=90	Ndes=70	Ndes=70
FRICTION AGGREGATE	MIXTURE "C"	BAM	MIXTURE "D"



**PROPOSED GHENT RD.**  
STA. 44+83.00 TO STA. 47+36.47

\* LANE WIDTHS VARY WITHIN INTERSECTION

**STRUCTURAL DESIGN DATA**

PALMER ROAD			
MECHANISTIC PAVEMENT DESIGN FOR CLASS II ROADWAY			
STRUCTURAL DESIGN TRAFFIC:	Year 2022		
PV = 8276	SU = 450	MU = 270	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:			
P = 92%	S = 5%	M = 3%	
TRAFFIC FACTOR:	1.56		
SUBGRADE SUPPORT RATING	IBR = POOR		
PAVEMENT STRUCTURE:			
2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70			
9 1/2" HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N90			



**EARTHWORK SCHEDULE**

STATION	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
<b>PALMER ROAD</b>					
53+00.00	59+08.80	460	345	250	95
<b>GHENT ROAD</b>					
45+00.00	47+36.46	45	34	5	29
<b>TOTAL</b>		505	379	255	124

**EARTHWORK NOTES:**

1. ESTIMATED SHRINKAGE FACTOR = 25%.
2. APPROXIMATE EMBANKMENT QUANTITY IS SHOWN FOR INFORMATION ONLY.
3. APPROXIMATE EARTHWORK BALANCE IS SHOWN FOR INFORMATION ONLY.

**EROSION CONTROL SCHEDULE**

STATION	STATION	OFFSET	HD EROS CONTR BLANKET (SQ YD)	TEMP EROS CONTR SEED (POUND)	TEMP DITCH CHECKS (FOOT)	PERIMETER EROS BAR (FOOT)	STONE RIPRAP CL A3 (SQ YD)	FILTER FABRIC (SQ YD)
<b>PALMER ROAD</b>								
52+78.69	57+06.77	LT		60		471		
53+00.00	59+08.80						60	60
53+08.92	53+50.00	LT	673					
53+11.01	56+50.00	LT			20			
53+50.00	54+97.64	LT					14	14
54+97.50		LT						
54+97.64	56+50.00	LT			20			
<b>GHENT ROAD</b>								
45+50.00	Sub-Totals							
<b>TOTAL</b>			673	60	40	471	74	74

**PAVEMENT SCHEDULE**

STATION	STATION	SUB GRAN MAT A (TON)	BIT MATLS PR CT (GAL)	AGG PR CT (TON)	HMA SC "D" N70 (TON)	HMA PAVT FD 11 1/2 (SQ YD)	PAVEMENT REM (SQ YD)	HMA SURF REM 2 (SQ YD)	PAVED SHLD REMOVAL (SQ YD)	AGGREGATE SHLDS B (TON)	HMA SHOULDERS 8 (SQ YD)
<b>PALMER ROAD</b>											
52+58.62	57+20.62	803									
52+58.62	59+08.80		217	4	324			2889			
52+58.62	57+20.62					719			495	33	344
52+58.62	57+19.86										
<b>OLD IL ROUTE 3</b>											
41+00.00	44+83.14		165	3	246			2194			
43+23.60	43+79.94						145				
<b>GHENT ROAD</b>											
44+83.14	47+36.47		84	2	125			1116			
<b>TOTAL</b>		803	466	9	694	719	145	6200	495	33	344

**SEEDING SCHEDULE**

STATION	STATION	COMPOST F & P 2 (SQ YD)	SEEDING CL 2A (ACRE)	NITROGEN FERT NUTR (NOTE 1) (POUND)	PHOSPHORUS FERT NUTR (NOTE 1) (POUND)	POTASSIUM FERT NUTR (NOTE 1) (POUND)	MULCH METHOD 2 (NOTE 1) (TON)
<b>PALMER ROAD</b>							
53+00.00	59+08.80	1123	0.3	27	27	27	0.6
<b>GHENT ROAD</b>							
45+00.00	47+36.46	154	0.1	9	9	9	0.2
<b>TOTAL</b>		1277	0.4	36	36	36	0.8

**SEEDING NOTES:**

1. FERTILIZER AND MULCH QUANTITIES ARE SHOWN FOR INFORMATION ONLY. THE COST FOR FERTILIZER NUTRIENTS AND MULCH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR SEEDING, CLASS 2A.

**SIGNING SCHEDULE**

STATION	OFFSET	SIGN	SIZE	COMMENT	SIGN PANEL T1 (SQ FT)	REMOV SIN PAN ASSY TA (EACH)	RELOC SIGN PANEL T3 (SQ FT)	TELES STL SIN SUPPORT (FOOT)	CONC FOUNDATION (CU YD)	REL GR MT SIN SUPPORT (EACH)	REM CONC FDN-CR MT (EACH)
<b>PALMER ROAD</b>											
54+10	LT			IL RTE. 3 DESTINATION SIGN			127		2.36	2	2
54+29	LT	R3-7R	30"x30"	RIGHT LANE MUST TURN RIGHT	5			16			
55+40	LT	R3-7R	30"x30"	RIGHT LANE MUST TURN RIGHT	5			16			
<b>OLD IL ROUTE 3</b>											
43+69	RT	R1-1	30"x30"	STOP SIGN		1					
44+03	RT	R1-1	30"x30"	STOP SIGN		1					
<b>TOTAL</b>					10	2	127	32	2.4	2	2

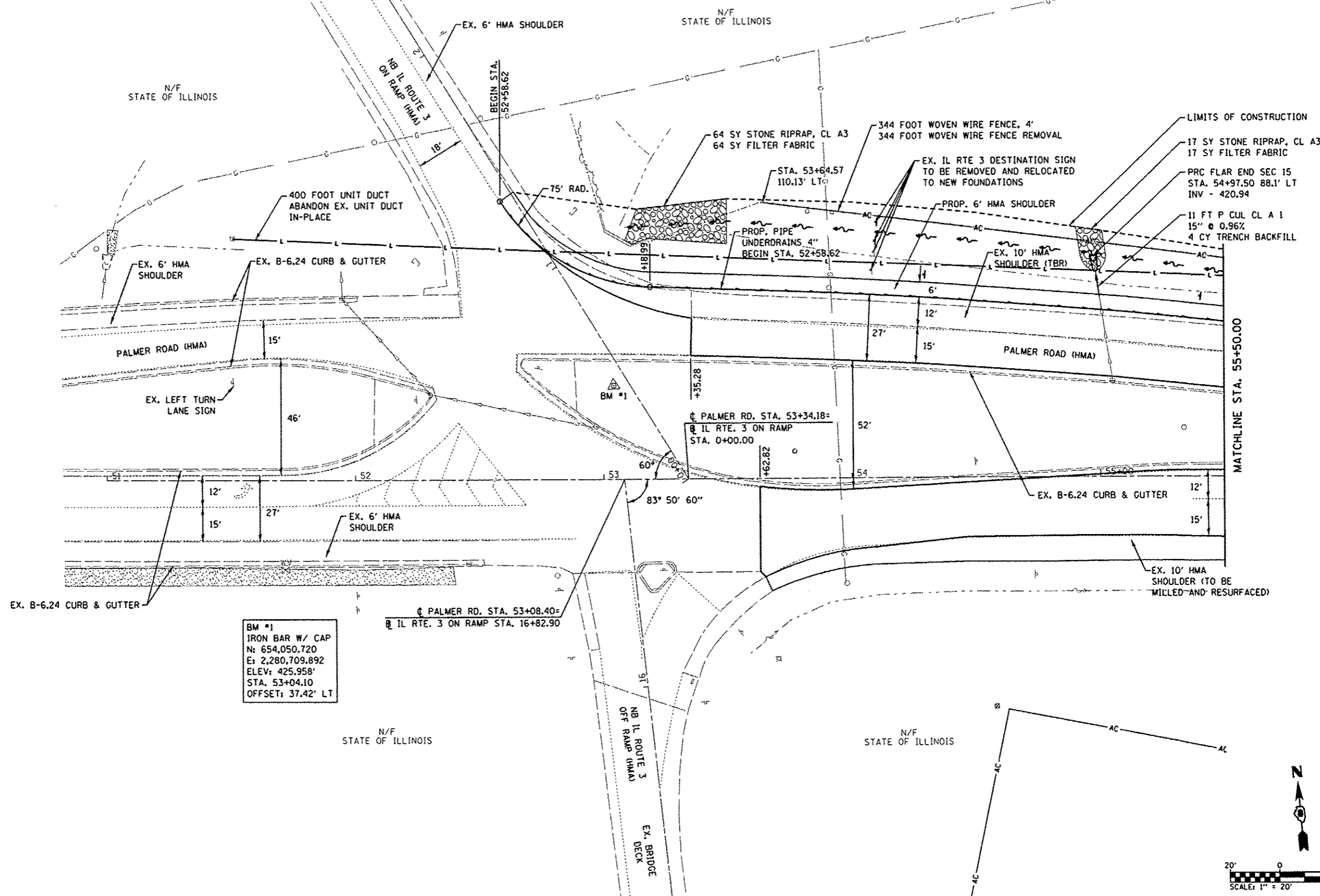
**PAVEMENT MARKING SCHEDULE**

STATION	OFFSET	STATION	OFFSET	COMMENT	SHORT-TERM PAVT MKING (FOOT)	TEMP PVT MK LTR & SYM (SO FT)	TEMP PVT MK LINE 4 (FOOT)	TEMP PVT MK LINE 8 (FOOT)	TEMP PVT MK LINE 12 (FOOT)	TEMP PVT MK LINE 24 (FOOT)	WORK ZONE PAVT MK REM (SO FT)	THPL PVT MK LTR & SYM (NOTE 1) (SO FT)	THPL PVT MK LINE 4 (NOTE 1) (FOOT)	THPL PVT MK LINE 8 (NOTE 1) (FOOT)	THPL PVT MK LINE 12 (NOTE 1) (FOOT)	THPL PVT MK LINE 24 (NOTE 1) (FOOT)	RAISED REFL PAVT MKR (NOTE 2) (EACH)	PRISMATIC CURB REFL (EACH)	PAINT CURB (FOOT)
<b>PALMER ROAD</b>																			
52+58.62	RT/LT	59+08.80	RT/LT	SOLID EDGE LINE			1654				551		1654					5	58
52+65.00	LT	52+89.00	LT										155						
52+72.78	LT	54+26.78	LT	SOLID WHITE LINE			155				52		155				4		
52+72.78	LT	54+26.78	LT	ONE-WAY CRYSTAL															
53+47.29	LT			RIGHT TURN ARROW		16					16	16							
54+19.96	LT			RIGHT TURN ARROW		16					16	16							
54+26.78	LT	56+05.94	LT	2'-6" WHITE SKIP DASH			45				15		45						
55+36.85	RT	57+45.23	RT	LANE LINE	208						69								
55+36.85	RT	57+45.23	RT	SOLID WHITE LINE			208				69		208						
55+36.85	RT	57+45.23	RT	ONE-WAY CRYSTAL													5		
55+62.00	RT			LEFT TURN ARROW		16					16	16							
56+29.98	LT	57+47.53	LT															11	58
57+11.00	RT			LEFT TURN ARROW		16					16	16						7	58
58+43.96	CL	59+08.80	CL																
<b>OLD IL. ROUTE 3</b>																			
41+00.00	CL	43+33.00	CL	CENTER LINE	233						78								
41+00.00	RT/LT	44+54.00	RT/LT	SOLID EDGE LINE			997				332		997						
41+00.00	CL	43+33.00	CL	DOUBLE YELLOW CENTER LINE			466				155		466						
41+00.00	RT	42+00.00	RT	2'-6" WHITE SKIP DASH			25				8		25						
41+00.00	CL	42+29.00	CL	TWO-WAY AMBER													3		
42+00.00	RT	44+13.58	RT	LANE LINE	206						47								
42+00.00	RT	43+39.58	RT	SOLID WHITE LINE			136				45		136						
42+00.00	RT	43+39.58	RT	ONE-WAY CRYSTAL													5		
42+25.00	RT			THROUGH/LEFT ARROW		26					26	26							
42+25.00	RT			RIGHT TURN ARROW		16					16	16							
42+29.00	CL	43+33.00	RT	CENTER LINE	103						35								
42+29.00	CL	43+33.00	RT	DOUBLE YELLOW CENTER LINE			206				69		206						
42+29.00	CL	43+33.00	CL	ONE-WAY AMBER													2		
42+29.00	CL	43+33.00	RT	ONE-WAY AMBER													2		
42+81.00	RT	43+29.00	RT	SOLID YELLOW DIAGONAL				18			18			18					
43+31.00	RT			THROUGH/LEFT ARROW		26					26	26							
43+31.00	RT			RIGHT TURN ARROW		16					16	16							
43+33.13	RT	44+28.10	RT															12	68
43+37.00	RT	44+25.00	RT	SOLID WHITE LINE				427			285			427					
43+37.00	RT	44+25.00	RT	SOLID WHITE DIAGONAL					177		177				177				
43+90.20	RT	44+15.99	RT															12	76
44+04.00	RT			THROUGH/LEFT ARROW		26					26	26							
44+17.00	RT			STOP BAR	34						34								
44+17.00	RT			WHITE STOP BAR						16	32					16			
<b>GHEENT ROAD</b>																			
44+99.00	LT	45+42.00	RT	SOLID WHITE LINE				105			70			105					
44+99.00	LT	45+42.00	RT	SOLID WHITE DIAGONAL					41		41								
45+11.85	RT/LT	47+36.47	RT/LT	SOLID EDGE LINE			531				177		531						
45+22.00	LT			WHITE STOP BAR						14	28				14				
45+33.00	LT			RIGHT TURN ARROW		16					16	16							
45+33.80	RT	47+36.00	CL	CENTER LINE	204						67								
45+33.80	RT	47+36.00	CL	DOUBLE YELLOW CENTER LINE			408				136		408						
45+33.80	RT	47+36.00	CL	TWO-WAY AMBER													5		
45+34.00	RT			WHITE STOP BAR						15	30				15				
45+42.43	LT	46+00.00	LT	2'-6" WHITE SKIP DASH			15				5		15						
45+44.00	LT			STOP BAR	15						15								
45+44.00	RT			THROUGH/LEFT TURN ARROW		26					9	26							
<b>TOTAL</b>					1003	213	4846	532	236	45	2839	213	4846	532	236	45	26	47	318

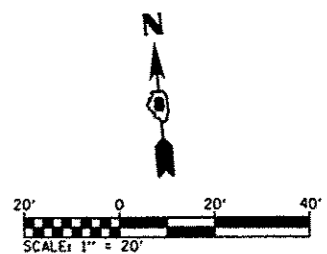
**PAVEMENT MARKING NOTES:**

- SEE HIGHWAY STANDARD 780001 FOR PAVEMENT MARKING DETAILS.
- SEE HIGHWAY STANDARD 781001 FOR RAISED REFLECTIVE PAVEMENT MARKER DETAILS.  
RAISED REFLECTIVE PAVEMENT MARKER QUANTITY INCLUDES THE FOLLOWING TYPES:  

4 EACH	ONE-WAY AMBER MARKERS
14 EACH	ONE-WAY CRYSTAL MARKERS
8 EACH	TWO-WAY AMBER MARKERS
26 EACH	TOTAL



BM #1  
 IRON BAR W/ CAP  
 N: 654,050.720  
 E: 2,280,709.892  
 ELEV: 425.958'  
 STA. 53+04.10  
 OFFSET: 37.42' LT



FILE NAME : 0810006-ahtr-plan.dgn	USER NAME : default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>			F.A.U. RTE. 9300	SECTION 10-00048-01-PV	COUNTY MONROE	TOTAL SHEETS 33	SHEET NO. 11		
	PLOT TIME : 9:21:52 AM	DRAWN -	REVISED -					SCALE: 1"=20'    SHEET 01 OF 03 SHEETS    STA. 52+58.62 TO STA. 55+50.00			CONTRACT NO. 97505			
	PLOT SCALE : 40,0000' / IN.	CHECKED -	REVISED -					ILLINOIS FED. AID PROJECT						
	PLOT DATE : 7/19/2012	DATE -	REVISED -											

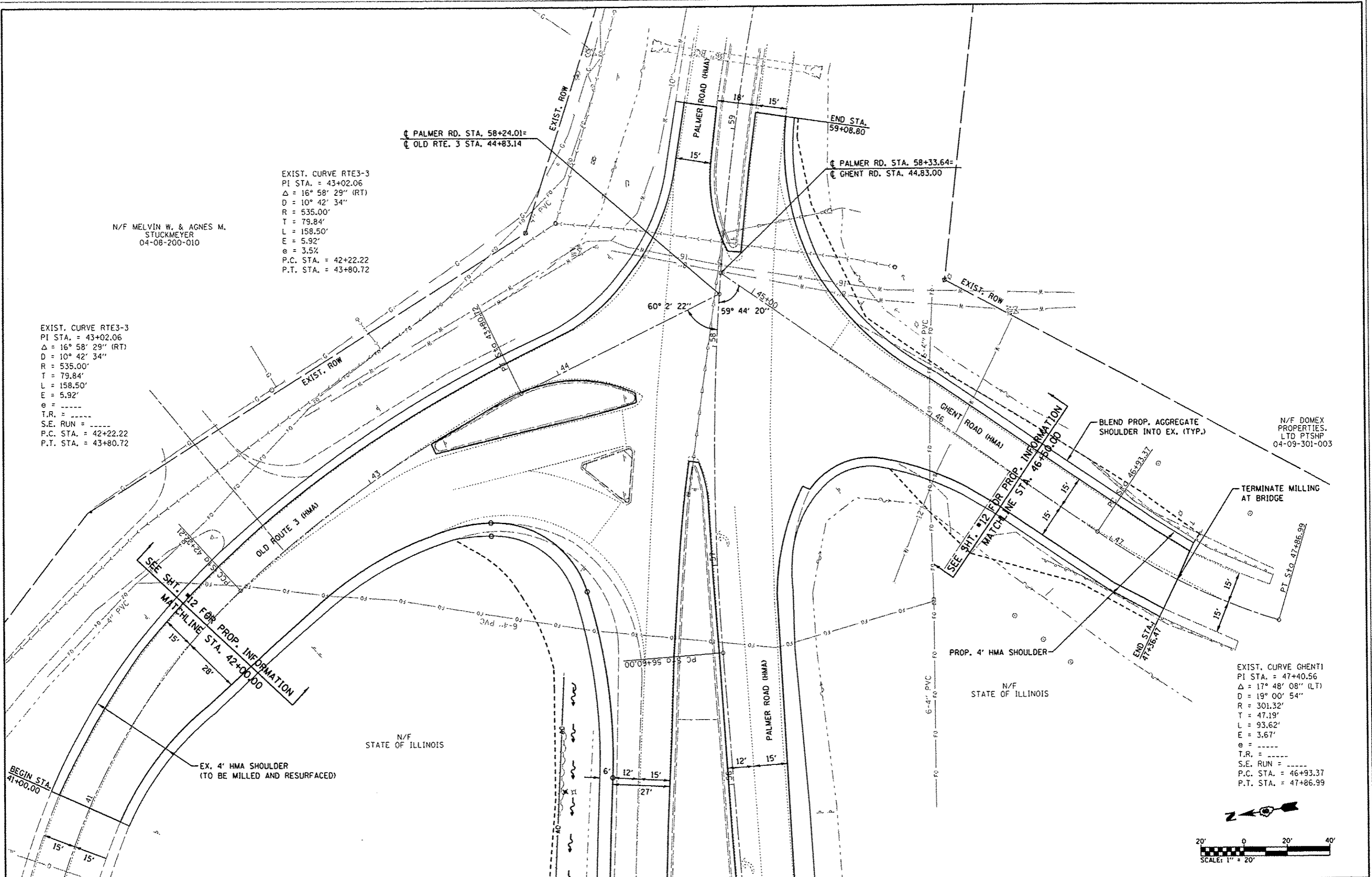


N/F MELVIN W. & AGNES M. STUCKMEYER  
04-08-200-010

EXIST. CURVE RTE3-3  
PI STA. = 43+02.06  
 $\Delta = 16^\circ 58' 29''$  (RT)  
D = 10° 42' 34"  
R = 535.00'  
T = 79.84'  
L = 158.50'  
E = 5.92'  
e = 3.5%  
P.C. STA. = 42+22.22  
P.T. STA. = 43+80.72

EXIST. CURVE RTE3-3  
PI STA. = 43+02.06  
 $\Delta = 16^\circ 58' 29''$  (RT)  
D = 10° 42' 34"  
R = 535.00'  
T = 79.84'  
L = 158.50'  
E = 5.92'  
e = 3.5%  
P.C. STA. = 42+22.22  
P.T. STA. = 43+80.72

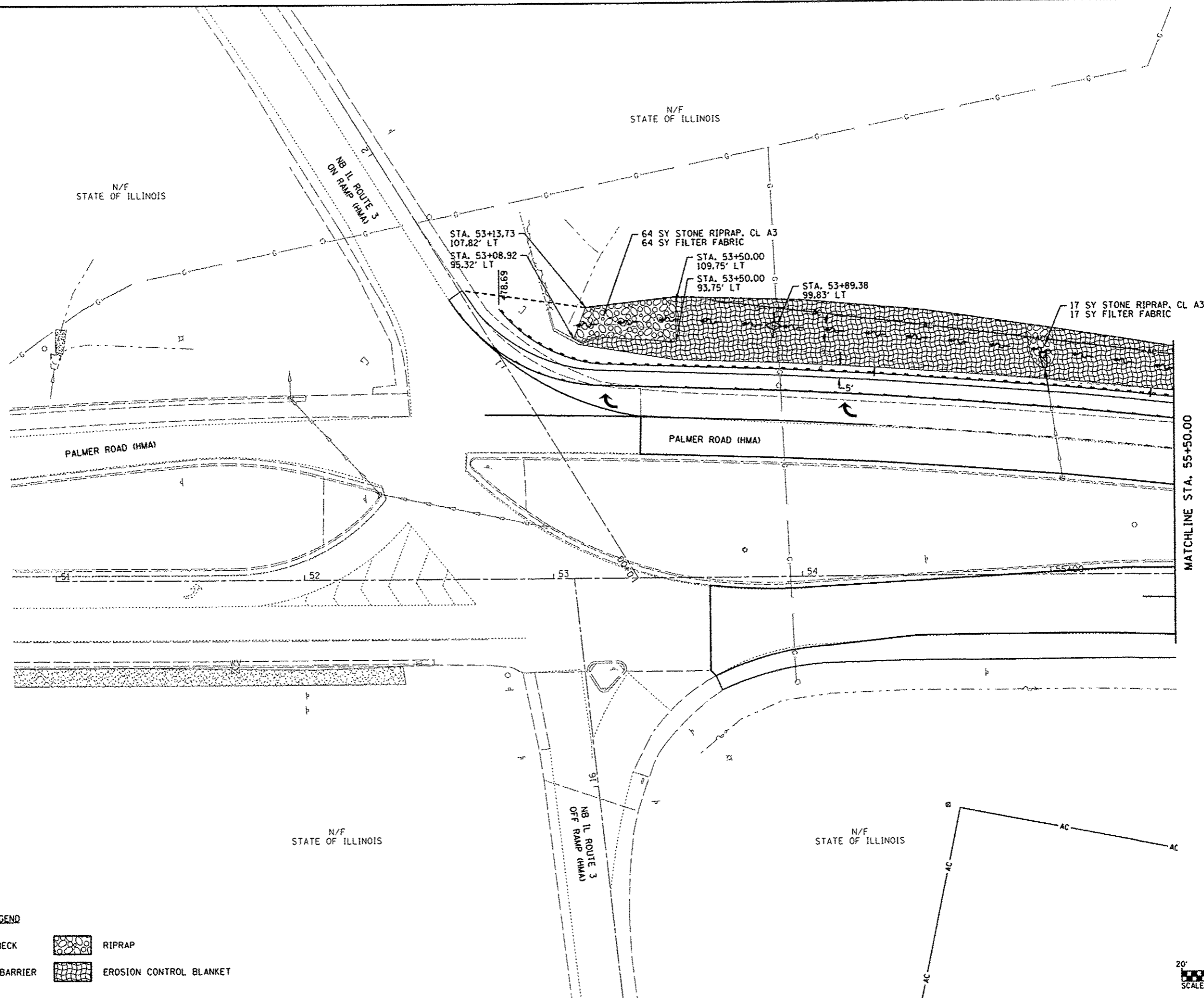
EXIST. CURVE GHENT1  
PI STA. = 47+40.56  
 $\Delta = 17^\circ 48' 08''$  (LT)  
D = 19° 00' 54"  
R = 301.32'  
T = 47.19'  
L = 93.62'  
E = 3.67'  
e = 3.5%  
P.C. STA. = 46+93.37  
P.T. STA. = 47+86.99



FILE NAME = 0810006-sh1-plan.dgn	USER NAME = default PLOT TIME = 1:54:27 PM PLOT SCALE = 40.0000 / IN. PLOT DATE = 7/18/2012	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>PLAN SHEET</b>		F.A.U. RTE. 9300	SECTION 10-00048-01-PV	COUNTY MONROE	TOTAL SHEETS 33	SHEET NO. 13
				SCALE: 1"=20'		SHEET 03 OF 03 SHEETS STA. TO STA.		CONTRACT NO. 97505 ILLINOIS FED. AID PROJECT				



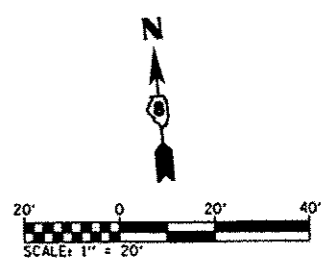




MATCHLINE STA. 55+50.00

**LEGEND**

-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  RIPRAP
-  EROSION CONTROL BLANKET



FILE NAME :  
0810000-ent-eros.dgn

USER NAME : default  
PLOT TIME : 2:01:07 PM  
PLOT SCALE : 40.0000' / IN.  
PLOT DATE : 7/18/2012

DESIGNED :  
DRAWN :  
CHECKED :  
DATE :

REVISED :  
REVISED :  
REVISED :  
REVISED :

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION & SEDIMENT CONTROL SHEETS**

SCALE: 1"=20' SHEET 01 OF 02 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9300	10-00048-01-PV	MONROE	33	16
				CONTRACT NO. 97505
ILLINOIS FED. AID PROJECT				

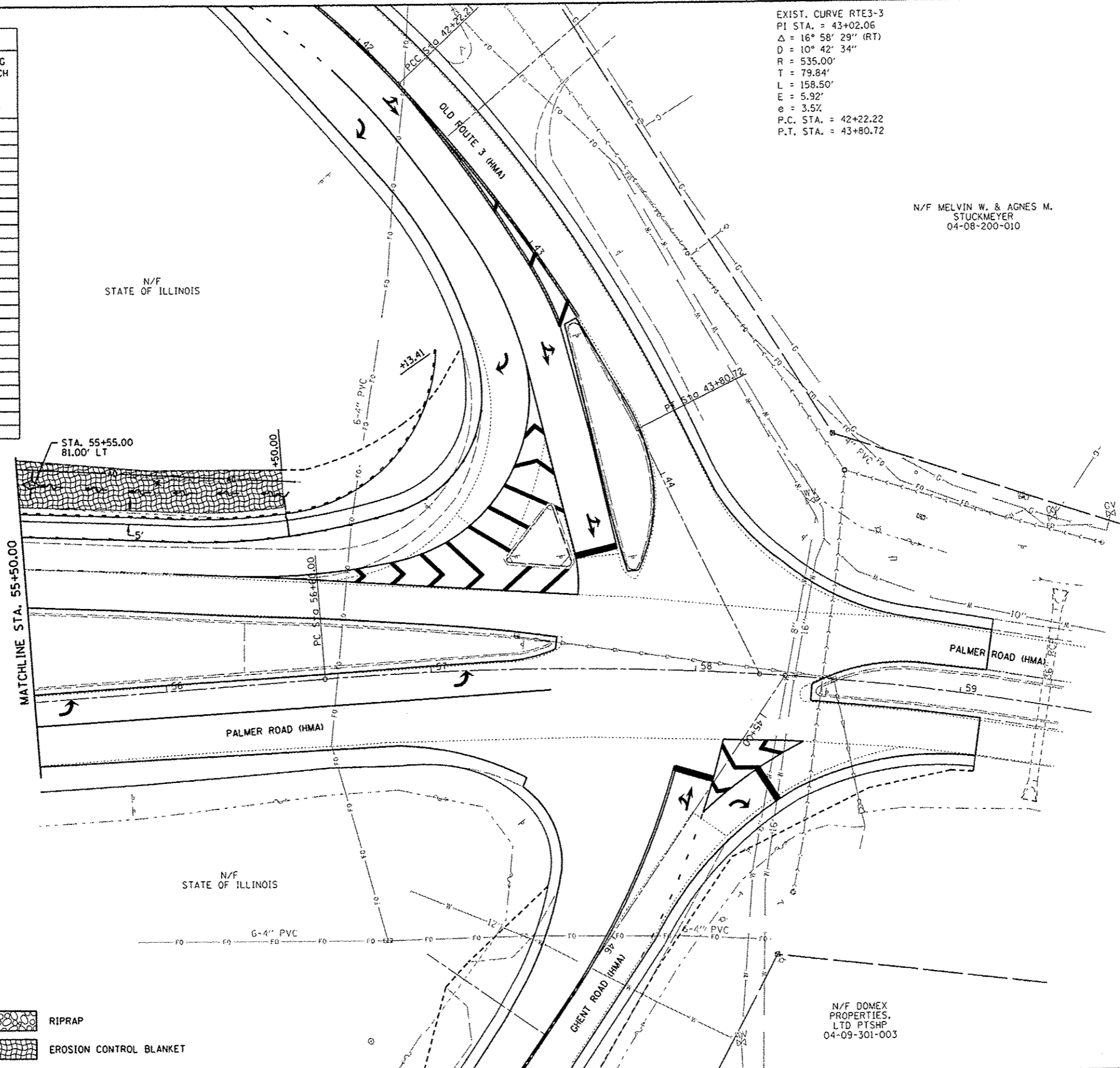


DITCH CHECK SPACING		
SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES)	SPACING OF DITCH CHECK (FEET)
8.0	12"	10
	18"	20
	24"	25
7.0	12"	15
	18"	20
	24"	30
6.0	12"	15
	18"	25
	24"	35
5.0	12"	20
	18"	30
	24"	40
4.0	12"	25
	18"	35
	24"	50
3.0	12"	35
	18"	50
	24"	65
2.0	12"	50
	18"	75
	24"	100
1.0	12"	100
& UNDER	18"	150
	24"	195

EXIST. CURVE RTE3-3  
 PI STA. = 43+02.06  
 $\Delta = 16^\circ 58' 29''$  (RT)  
 $D = 10^\circ 42' 34''$   
 $R = 535.00'$   
 $T = 79.84'$   
 $L = 158.50'$   
 $E = 5.92'$   
 $e = 3.5\%$   
 P.C. STA. = 42+22.22  
 P.T. STA. = 43+80.72

N/F MELVIN W. & AGNES M.  
 STUCKMEYER  
 04-08-200-010

EXIST. CURVE PAL-1  
 PI STA. = 58+20.53  
 $\Delta = 15^\circ 57' 00''$  (RT)  
 $D = 5^\circ 00' 00''$   
 $R = 1,145.92'$   
 $T = 160.54'$   
 $L = 319.00'$   
 $E = 11.19'$   
 $e = 5.0\%$   
 P.C. STA. = 56+60.00  
 P.T. STA. = 59+79.00



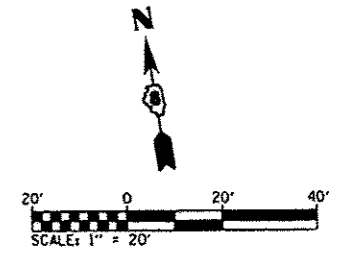
N/F STATE OF ILLINOIS

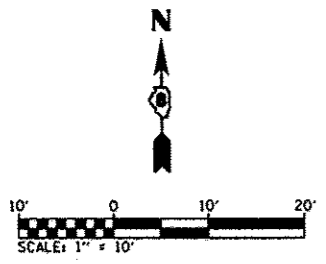
N/F STATE OF ILLINOIS


N/F DOMEX  
 PROPERTIES,  
 LTD P/TSHP  
 04-09-301-003

LEGEND

- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- RIPRAP
- EROSION CONTROL BLANKET

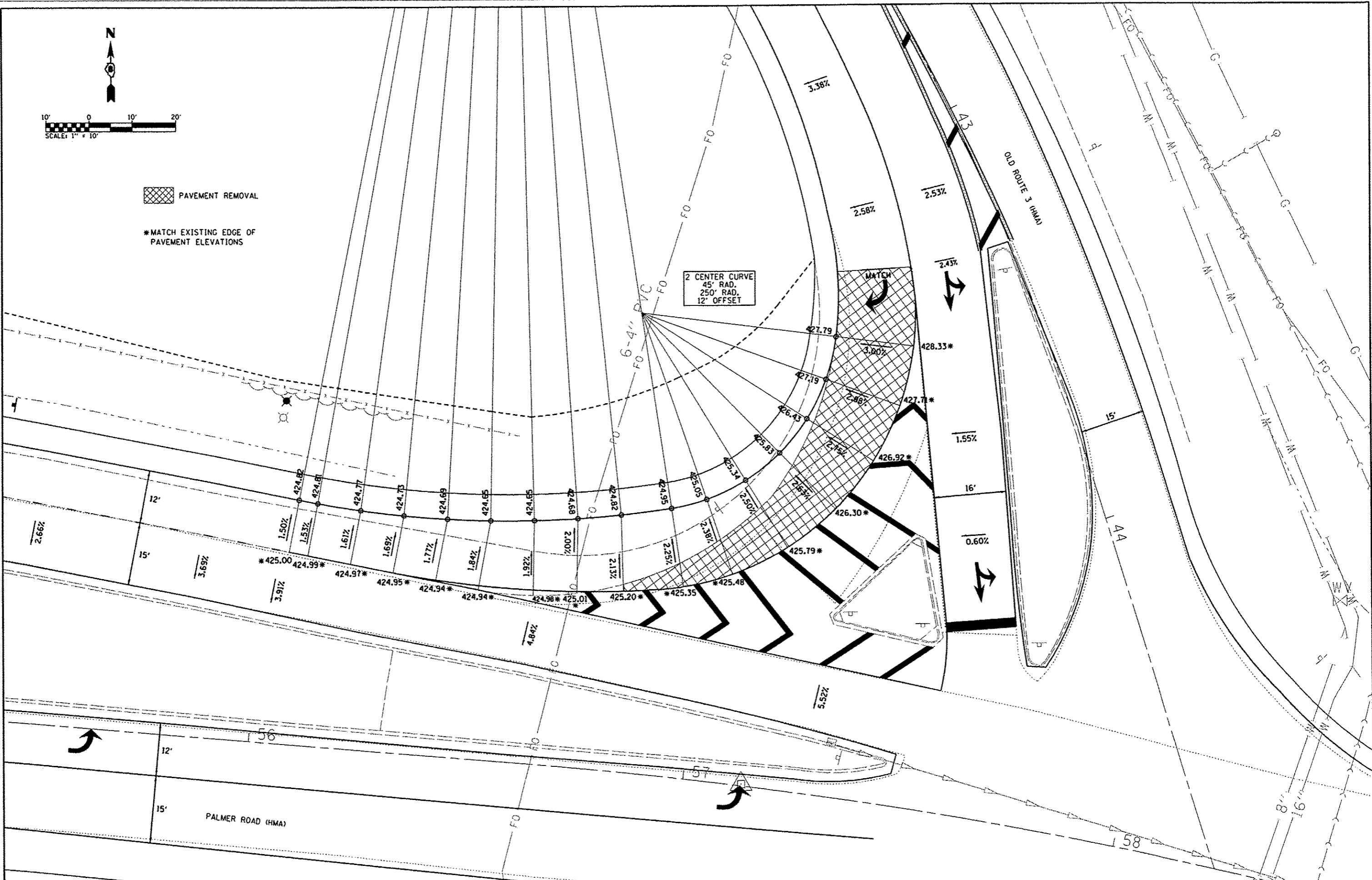




 PAVEMENT REMOVAL

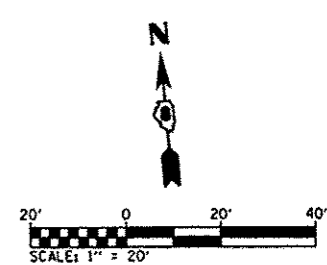
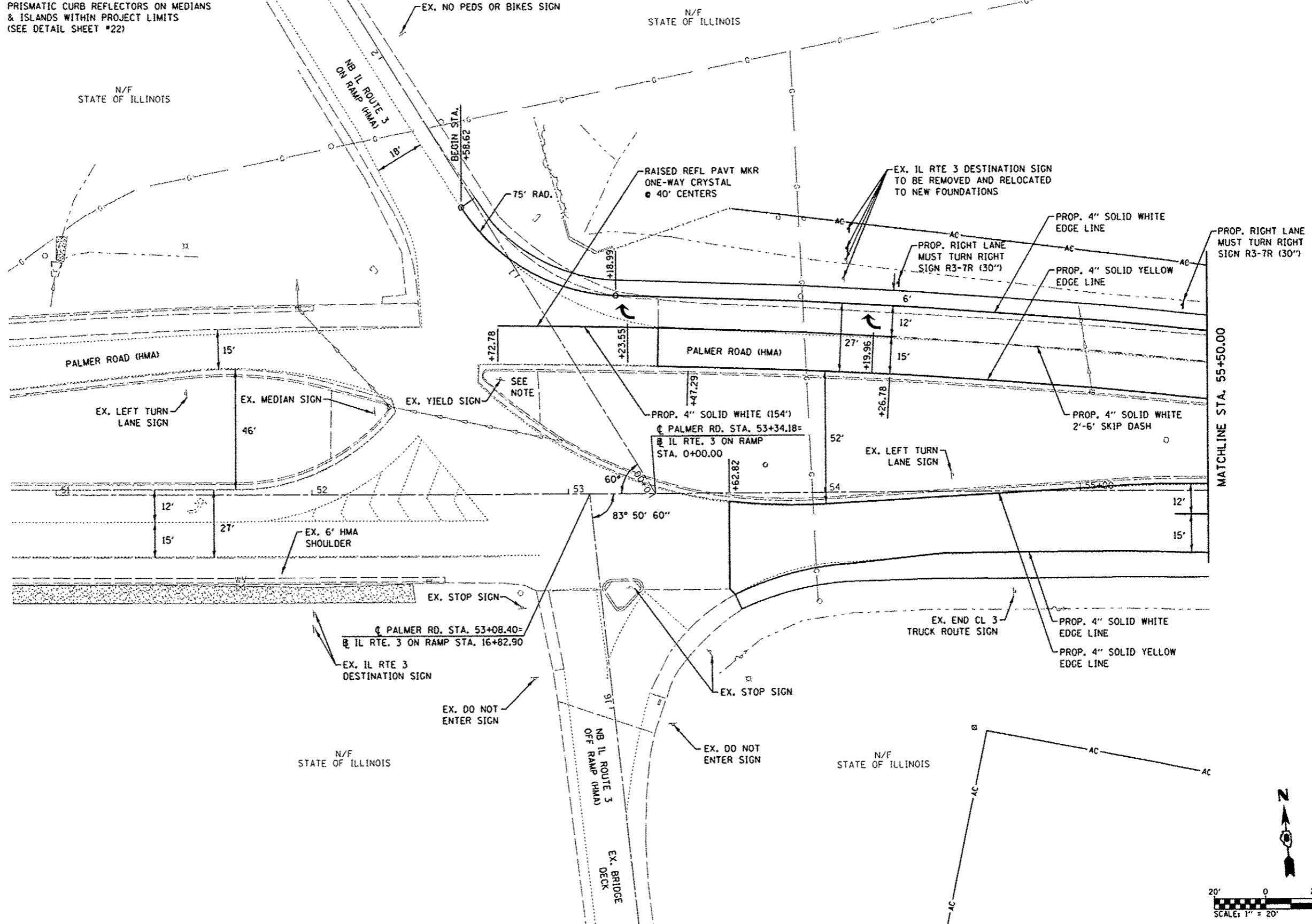
\*MATCH EXISTING EDGE OF PAVEMENT ELEVATIONS

2 CENTER CURVE  
45° RAD.  
250' RAD.  
12' OFFSET



FILE NAME = 0810006-shr-inter-sap.dgn	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INTERSECTION DETAIL SHEET</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT TIME = 1:53:25 PM	DRAWN -	REVISED -				9300	10-00048-01-PV	MONROE	33	18
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -				CONTRACT NO. 97505				
	PLOT DATE = 7/18/2012	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
				SCALE: 1"=10'		SHEET 01 OF 01 SHEETS STA. TO STA.					

NOTE:  
 PAINT CURB YELLOW & REPLACE AMBER  
 PRISMATIC CURB REFLECTORS ON MEDIANS  
 & ISLANDS WITHIN PROJECT LIMITS  
 (SEE DETAIL SHEET #22)



FILE NAME = 0810006-shc-pmk.dgn	USER NAME = default	DESIGNED -	REVISED -
	PLOT TIME = 9:46:27 AM	DRAWN -	REVISED -
	PLOT SCALE = 40,0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 7/19/2012	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN**

SCALE: 1"=20'    SHEET 01 OF 03 SHEETS    STA. 52+58.62 TO STA. 55+50.00

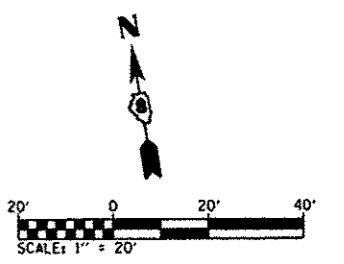
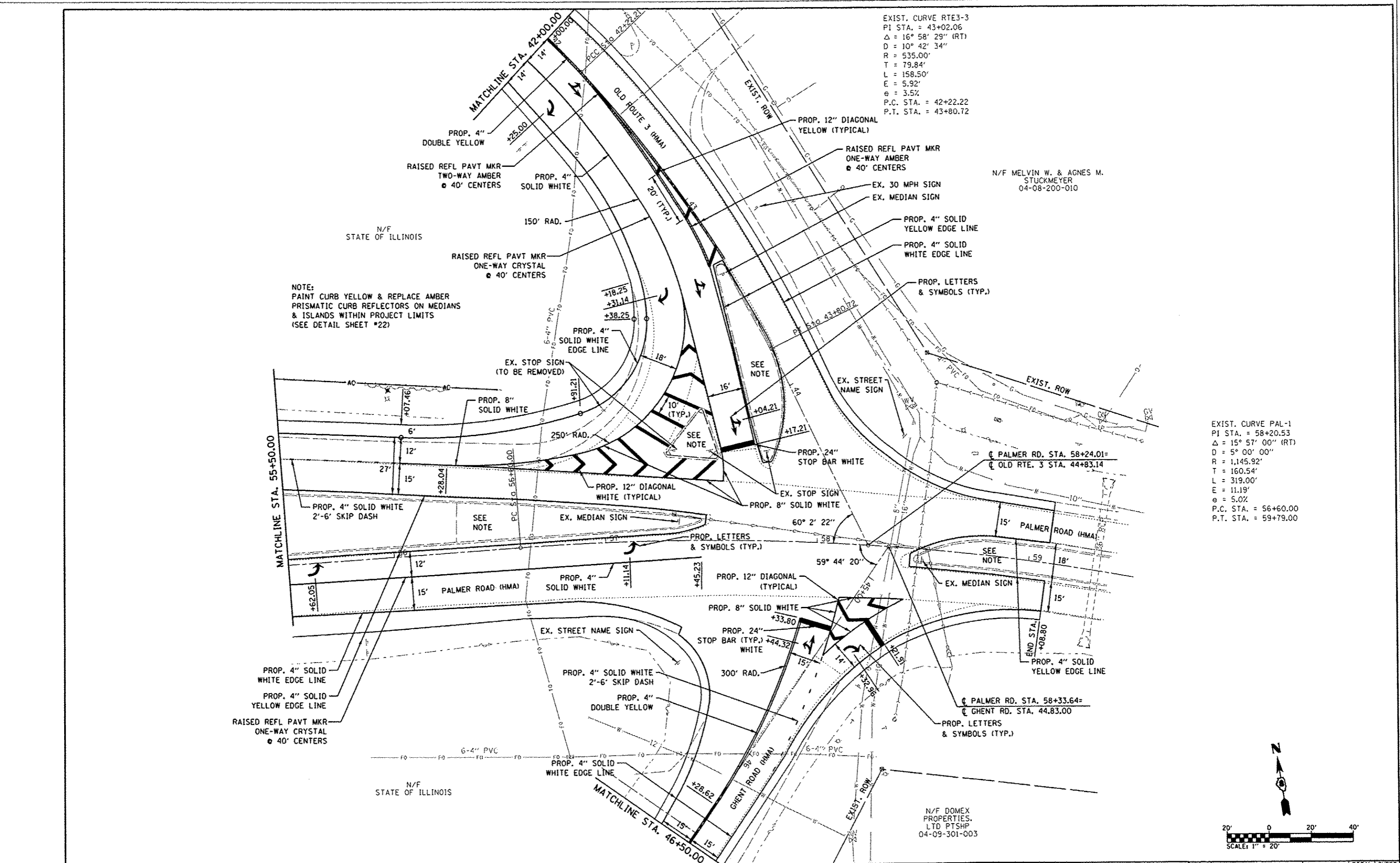
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9300	10-00048-01-PV	MONROE	33	19
CONTRACT NO. 97505				
ILLINOIS FED. AID PROJECT				

EXIST. CURVE RTE3-3  
 PI STA. = 43+02.06  
 $\Delta = 16^\circ 58' 29''$  (RT)  
 $D = 10^\circ 42' 34''$   
 $R = 535.00'$   
 $T = 79.84'$   
 $L = 158.50'$   
 $E = 5.92'$   
 $e = 3.5\%$   
 P.C. STA. = 42+22.22  
 P.T. STA. = 43+80.72

N/F MELVIN W. & AGNES M.  
 STUCKMEYER  
 04-08-200-010

EXIST. CURVE PAL-1  
 PI STA. = 58+20.53  
 $\Delta = 15^\circ 57' 00''$  (RT)  
 $D = 5^\circ 00' 00''$   
 $R = 1,145.92'$   
 $T = 160.54'$   
 $L = 319.00'$   
 $E = 11.19'$   
 $e = 5.0\%$   
 P.C. STA. = 56+60.00  
 P.T. STA. = 59+79.00

NOTE:  
 PAINT CURB YELLOW & REPLACE AMBER  
 PRISMATIC CURB REFLECTORS ON MEDIANS  
 & ISLANDS WITHIN PROJECT LIMITS  
 (SEE DETAIL SHEET #22)



FILE NAME = 0810006-shr-pmk.dgn	USER NAME = default	DESIGNED =	REVISED =	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING &amp; SIGNING PLAN</b>	F.A.J. RTE. 9300	SECTION 10-00048-01-PV	COUNTY MONROE	TOTAL SHEETS 33	SHEET NO. 20		
PLOT TIME = 9/22/23 AM	DRAWN =	REVISED =	SCALE: 1"=20'			SHEET 02 OF 03 SHEETS	STA. 55+50.00 TO STA. 59+08.80	ILLINOIS FED. AID PROJECT				
PLOT SCALE = 40,0000' / IN.	CHECKED =	REVISED =										
PLOT DATE = 7/19/2012	DATE =	REVISED =										
						CONTRACT NO. 97505						

N/F MELVIN W. & AGNES M.  
STUCKMEYER  
04-08-200-010

EXIST. CURVE RTE3-3  
PI STA. = 43+02.06  
 $\Delta = 16^\circ 58' 29''$  (RT)  
D = 10° 42' 34"  
R = 535.00'  
T = 79.84'  
L = 158.50'  
E = 5.92'  
e = 3.5%  
P.C. STA. = 42+22.22  
P.T. STA. = 43+80.72

EXIST. CURVE RTE3-3  
PI STA. = 43+02.06  
 $\Delta = 16^\circ 58' 29''$  (RT)  
D = 10° 42' 34"  
R = 535.00'  
T = 79.84'  
L = 158.50'  
E = 5.92'  
e = -----  
T.R. = -----  
S.E. RUN = -----  
P.C. STA. = 42+22.22  
P.T. STA. = 43+80.72

N/F DOMEX  
PROPERTIES.  
LTD PTSHP  
04-09-301-003

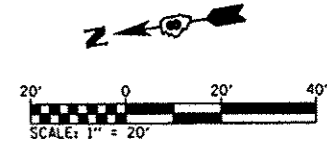
PROP. CURVE PR-GHENT  
PI STA. = 46+77.27  
 $\Delta = 18^\circ 25' 27''$  (LT)  
D = 19° 05' 55"  
R = 300.00'  
T = 48.65'  
L = 96.47'  
E = 3.92'  
e = N/C  
P.C. STA = 46+28.62  
P.T. STA = 47+25.09

EXIST. CURVE GHENT1  
PI STA. = 47+40.56  
 $\Delta = 17^\circ 48' 08''$  (LT)  
D = 19° 00' 54"  
R = 301.32'  
T = 47.19'  
L = 93.62'  
E = 3.67'  
e = -----  
T.R. = -----  
S.E. RUN = -----  
P.C. STA. = 46+93.37  
P.T. STA. = 47+86.99

PROP. 4" SOLID WHITE  
EDGE LINE  
RAISED REFL PAVT MKR  
TWO-WAY AMBER  
40' CENTERS  
PROP. 4" DOUBLE YELLOW  
PROP. 4" SOLID WHITE  
2'-6' SKIP DASH

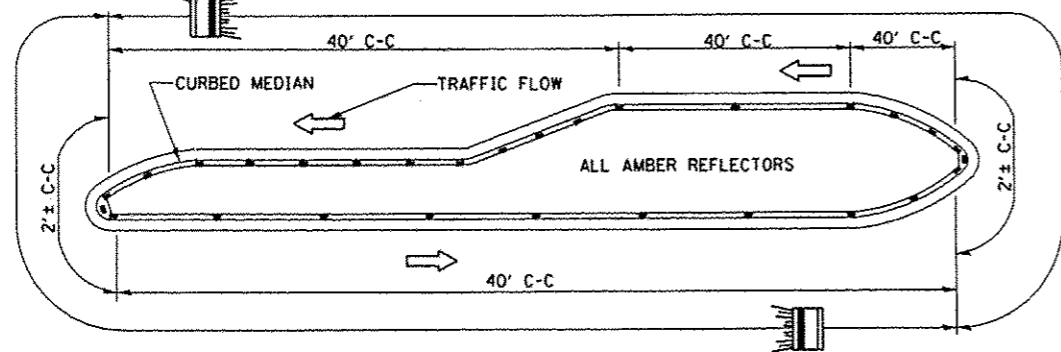
PROP. 4" DOUBLE YELLOW  
PROP. 4" SOLID WHITE  
EDGE LINE  
RAISED REFL PAVT MKR  
TWO-WAY AMBER  
40' CENTERS

N/F STATE OF ILLINOIS

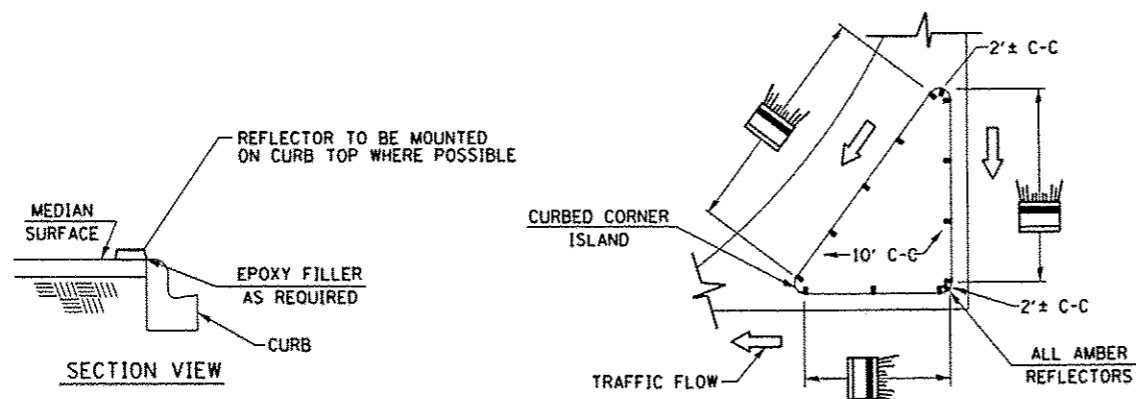


FILE NAME = 0818086-sht-pmk.dgn	USER NAME = default PLOT TIME = 1:55:11 PM PLOT SCALE = 40.0000 / IN. PLOT DATE = 7/18/2012	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING & SIGNING PLAN SCALE: 1"=20' SHEET 03 OF 03 SHEETS STA. 41+00.00 TO STA. 47+36.47	F.A.U. RTE. 9300	SECTION 10-00048-01-PV	COUNTY MONROE	TOTAL SHEETS 33	SHEET NO. 21	CONTRACT NO. 97505 ILLINOIS FED. AID PROJECT
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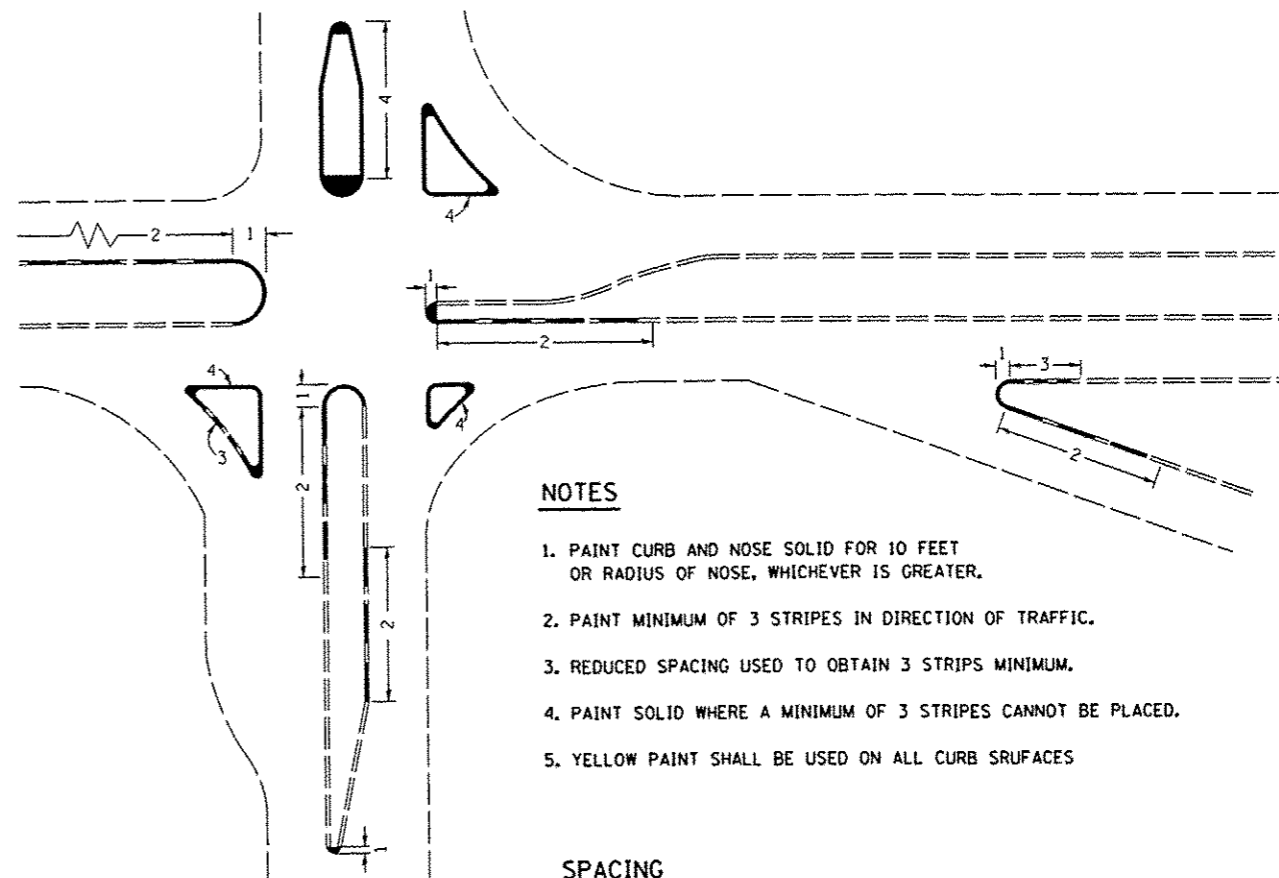
MARKER ORIENTATION  
WITHIN LIMITS SHOWN



- NOTES**
1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
  2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
  3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.



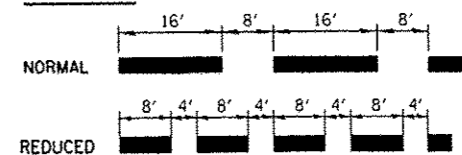
**TYPICAL PLACEMENT OF PRISMATIC REFLECTORS ON CURBS**  
(NO SCALE)



**NOTES**

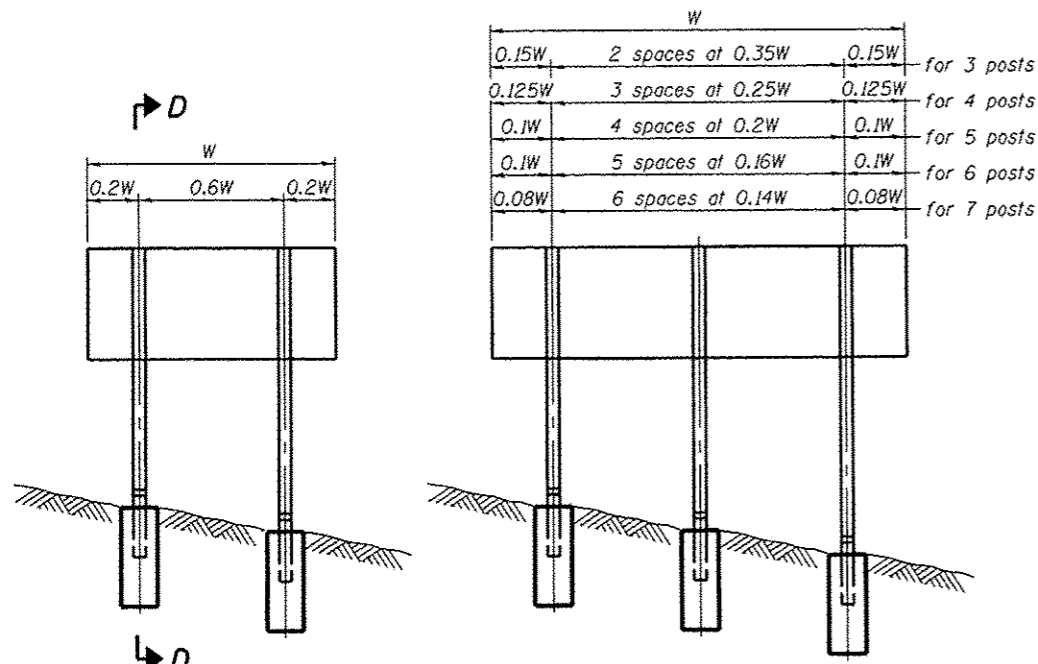
1. PAINT CURB AND NOSE SOLID FOR 10 FEET OR RADIUS OF NOSE, WHICHEVER IS GREATER.
2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
3. REDUCED SPACING USED TO OBTAIN 3 STRIPS MINIMUM.
4. PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.
5. YELLOW PAINT SHALL BE USED ON ALL CURB SURFACES

**SPACING**

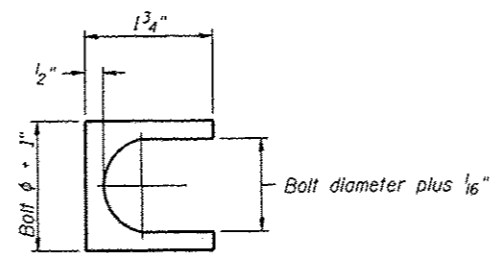


**TYPICAL CURB MARKING**

FILE NAME : 0810006-shd-details.dgn	USER NAME : default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL PLACEMENT OF PRISMATIC REFLECTORS ON CURBS &amp; CURB MARKING DETAIL</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT TIME : 1:50:37 PM	DRAWN -	REVISED -					9300	10-00048-01-PV	MONROE	33	22
	PLOT SCALE : 40.0000' / IN.	CHECKED -	REVISED -		SCALE:	SHEET 01 OF 01 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			
	PLOT DATE : 7/18/2012	DATE -	REVISED -									
CONTRACT NO. 97505												

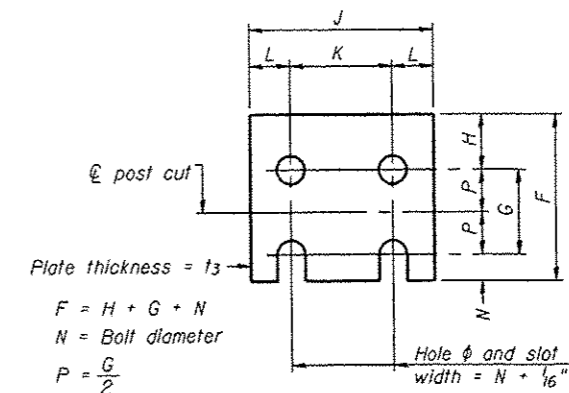


**ELEVATION**



**SHIM DETAIL**

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

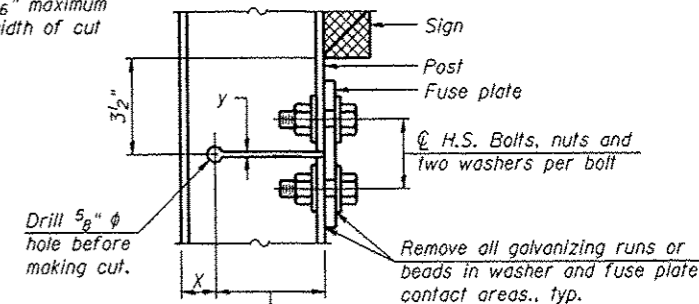


**FUSE PLATE DETAIL**

(Install with notches down.)

N = Bolt Diameter	G	H
1/2"	2"	1 7/8"
5/8"	2 1/4"	1 3/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"

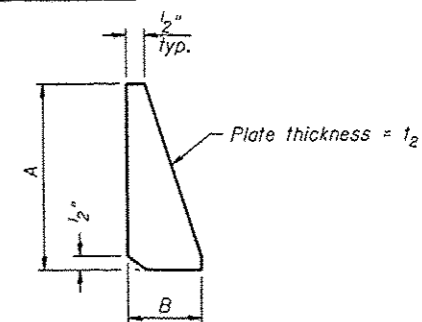
$y = \frac{3}{16}$ " maximum width of cut



X = flange and fillet depth plus 3/8"

Flame cut slot in web and saw cut flange

**DETAIL H**



**STIFFENER PLATE DETAIL**

**GENERAL NOTES**

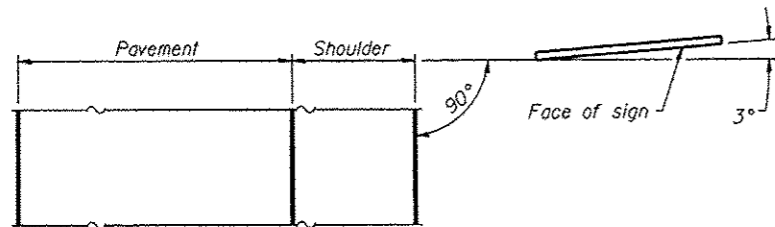
Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

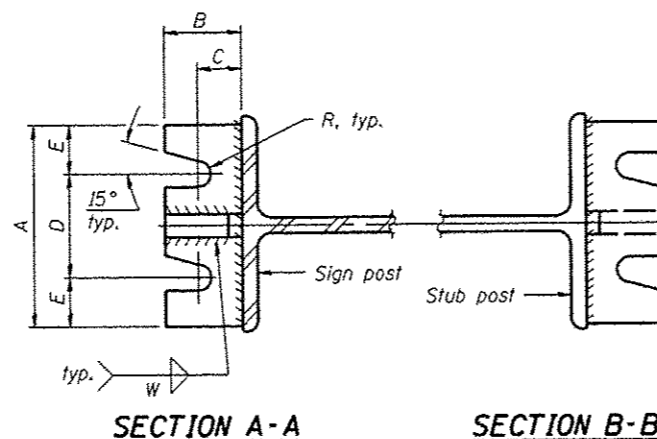
DESIGN STRESSES:  
 Structural steel - 20,000 p.s.i.  
 Reinforcing steel - 20,000 p.s.i.  
 Concrete - 1,400 p.s.i.  
 Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. 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.



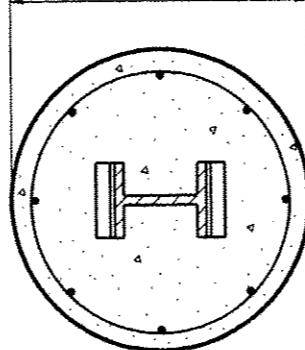
**LOCATION SKETCH**



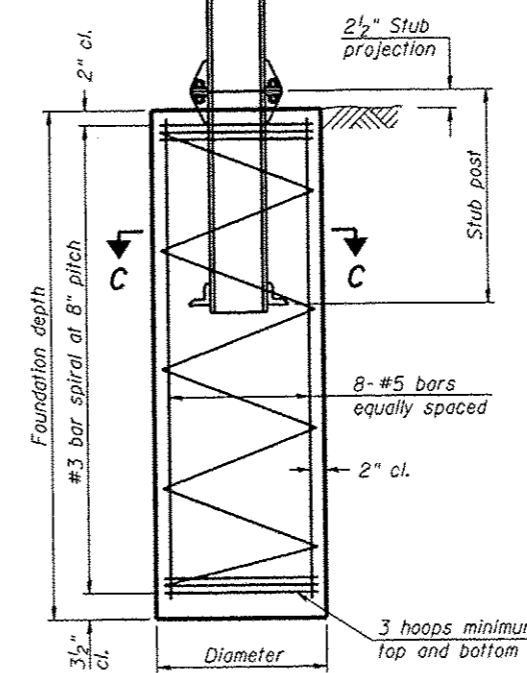
**SECTION A-A**

**SECTION B-B**

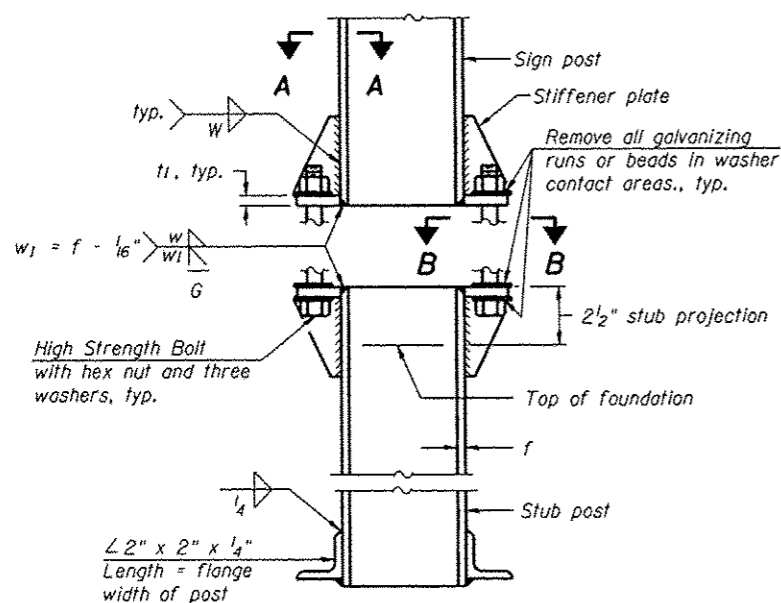
(See table for dimensions.)



**SECTION C-C**



**SECTION D-D**



**ELEVATION SIGN POST & STUB POST**

BAW-A-1

6-1-12

(Sheet 1 of 2)

FILE NAME :	USER NAME :	DESIGNED -	REVISED
		CHECKED -	REVISED
		DRAWN -	REVISED
		CHECKED -	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE  
STEEL SIGN POST DETAILS

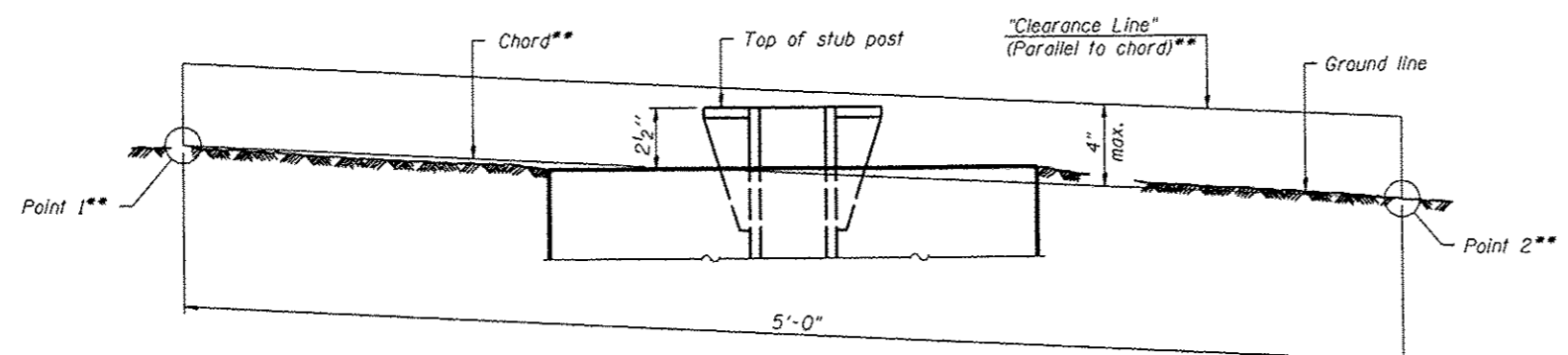
SHEET NO. 01 OF 02 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9300	10-00048-01-PV	MONROE	33	23
				CONTRACT NO. 97505
ILLINOIS FED. AID PROJECT				

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 <sub>1</sub>	t <sub>2</sub>	R	W	J	K	L	t <sub>3</sub>	
	Diameter	Minimum Depth	Concrete (1) cu. yds.	Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length																lbs. (2)
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	1 1/2"	1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	1 1/2"	1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	1 1/2"	5/16"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	1 1/2"	5/16"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	1/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	1/32"	3/8"	7"	3 1/2"	1 3/4"	1/2"

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

POST	FUSE PLATE BOLT SIZE																				
	Sign Height																				
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	---	---	---	---	---	---	---	---	---	---	---
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	---	---	---	---	---	---	---	---	---	---	---
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	---	---	---	---	---	---	---	---
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	---	---	---	---	---	---	---
W12x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	---	---	---	---	---	---
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	---	---	---	---	---
W14x38	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"
W16x45	---	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"



**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.

BAW-A-2

6-1-12

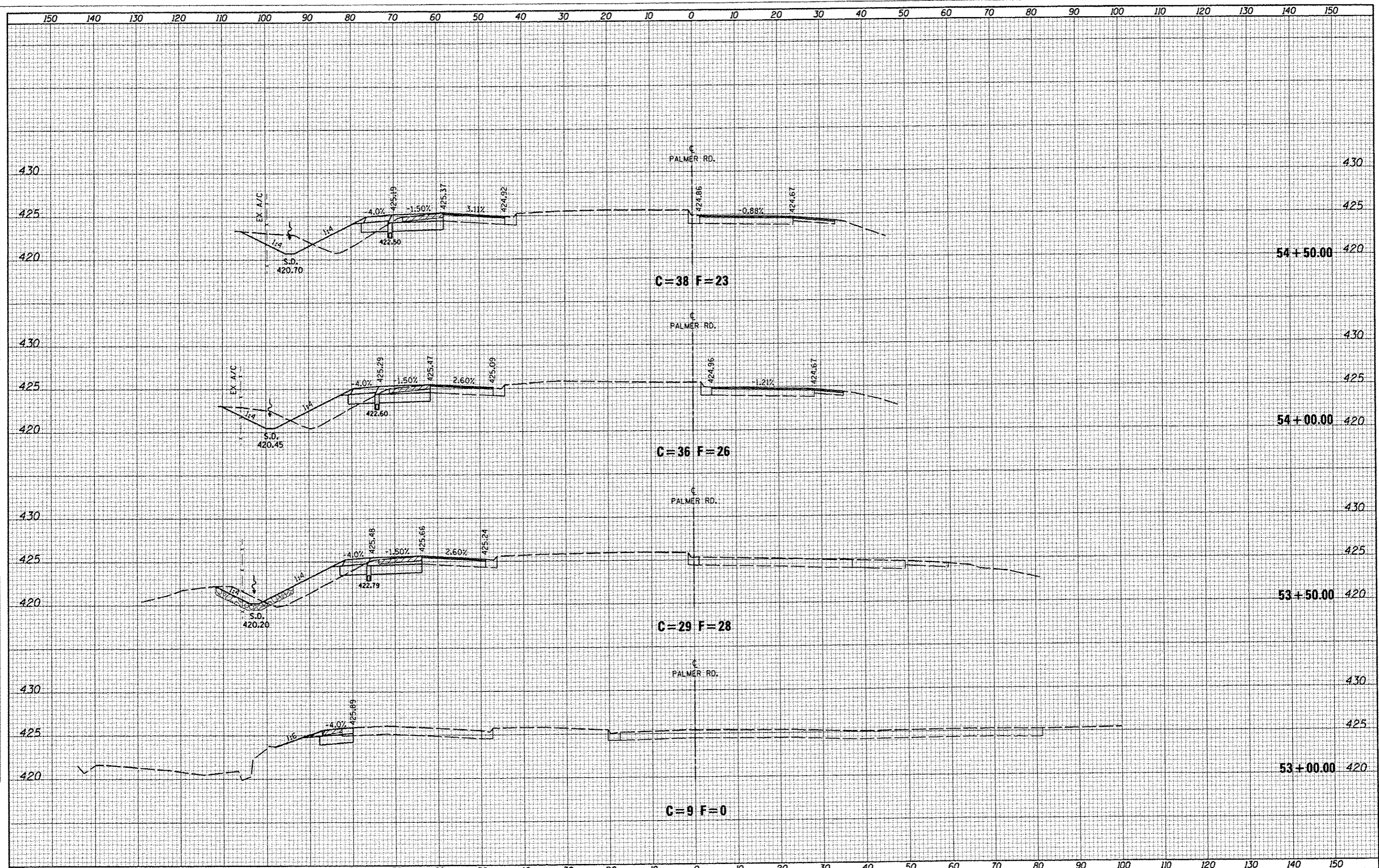
(Sheet 2 of 2)

FILE NAME :	USER NAME :	DESIGNED -	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BREAK-AWAY WIDE FLANGE STEEL SIGN POST TABLES</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISED			9300	10-00048-01-PV	MONROE	33	24	
PLOT SCALE :		DRAWN -	REVISED			SHEET NO. 02 OF 02 SHEETS					
PLOT DATE :		CHECKED -	REVISED			ILLINOIS FED. AID PROJECT CONTRACT NO. 97505					



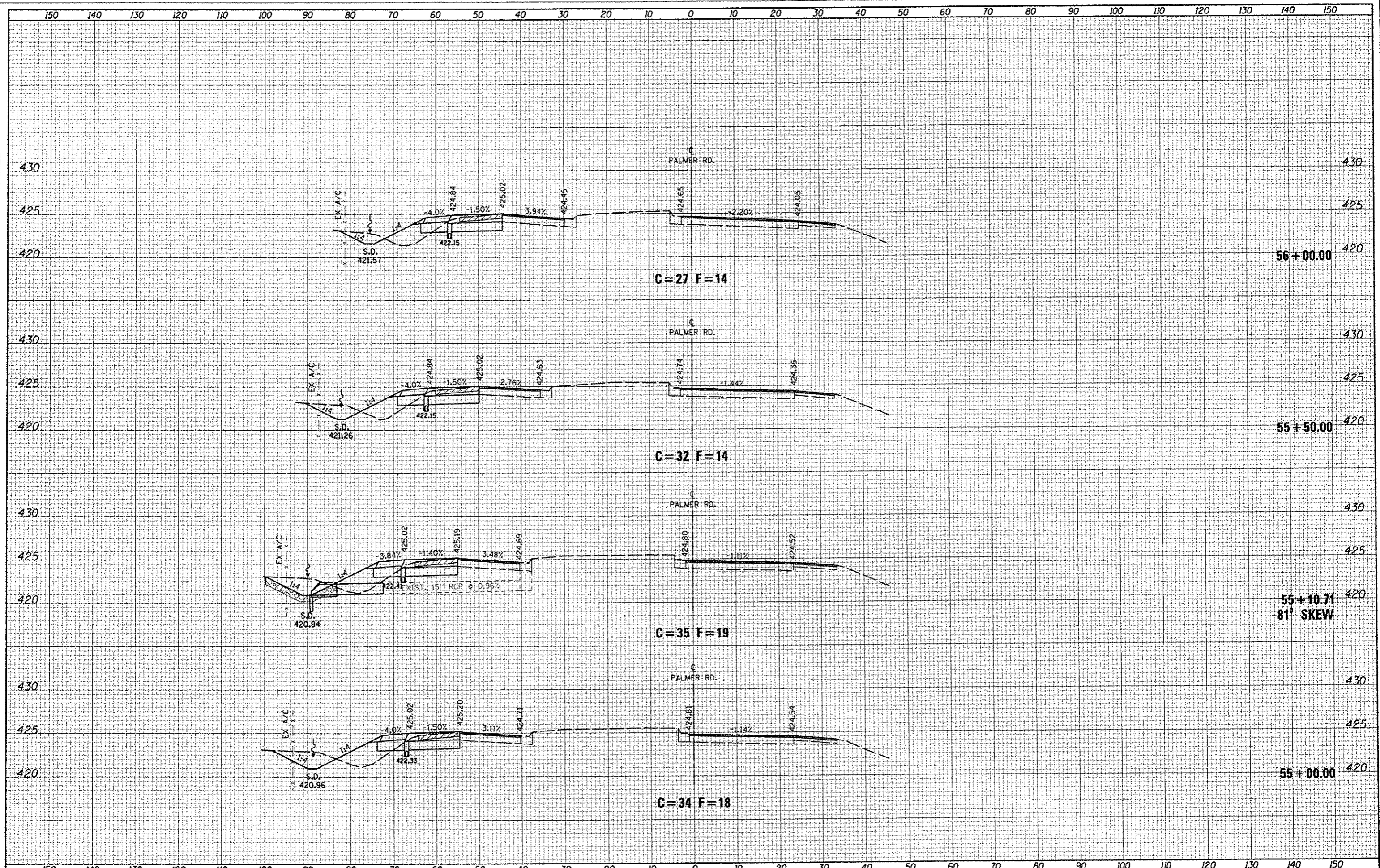
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BY	
FILE	
SURVEY	
NOTED	
NOTE BOOK	
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AREAS CHECKED	

DATE	
BY	
ORIGINAL	
SURVEY	
NOTED	
NOTE BOOK	
NO.	
AREAS CHECKED	



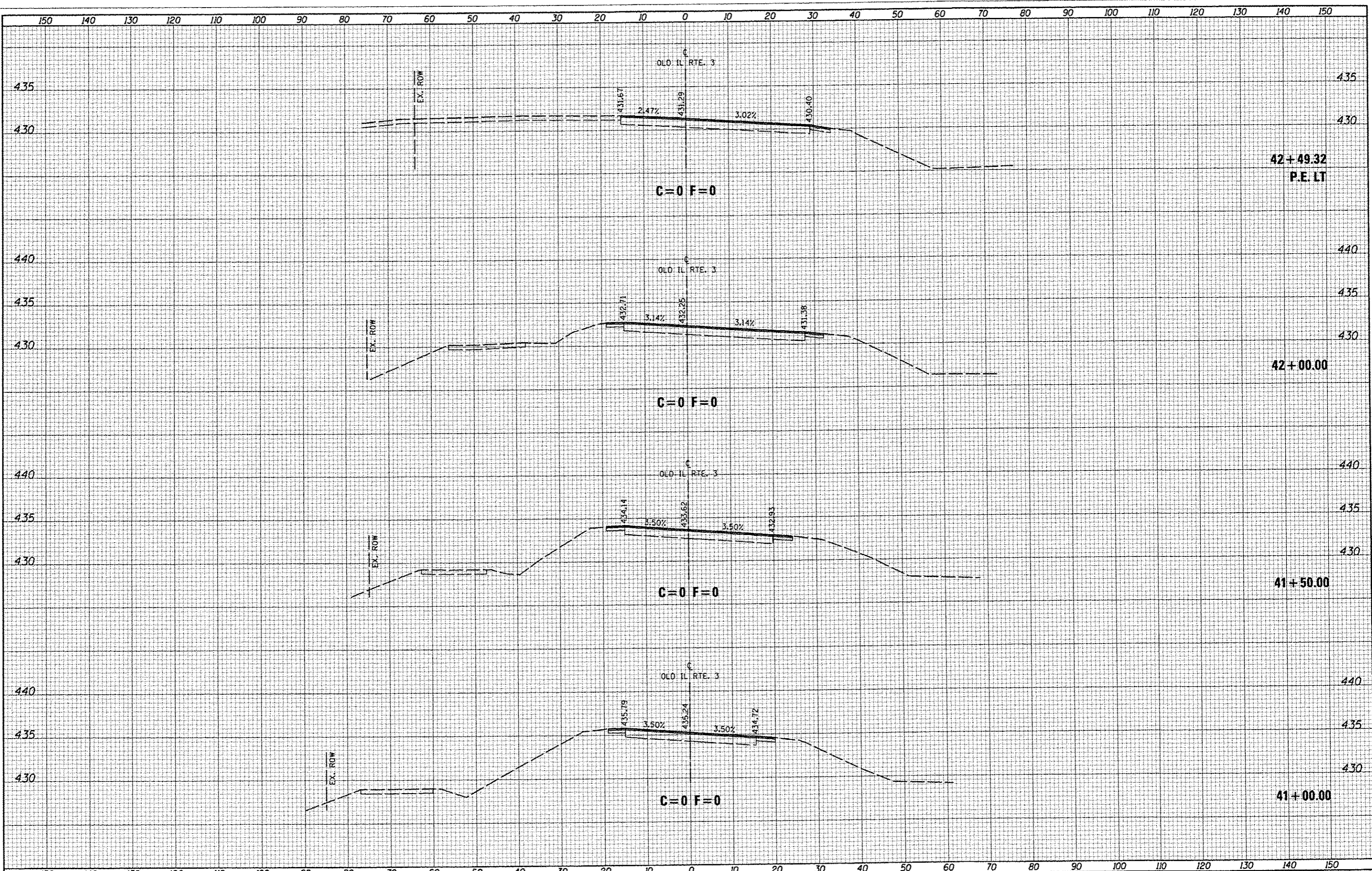
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 TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_







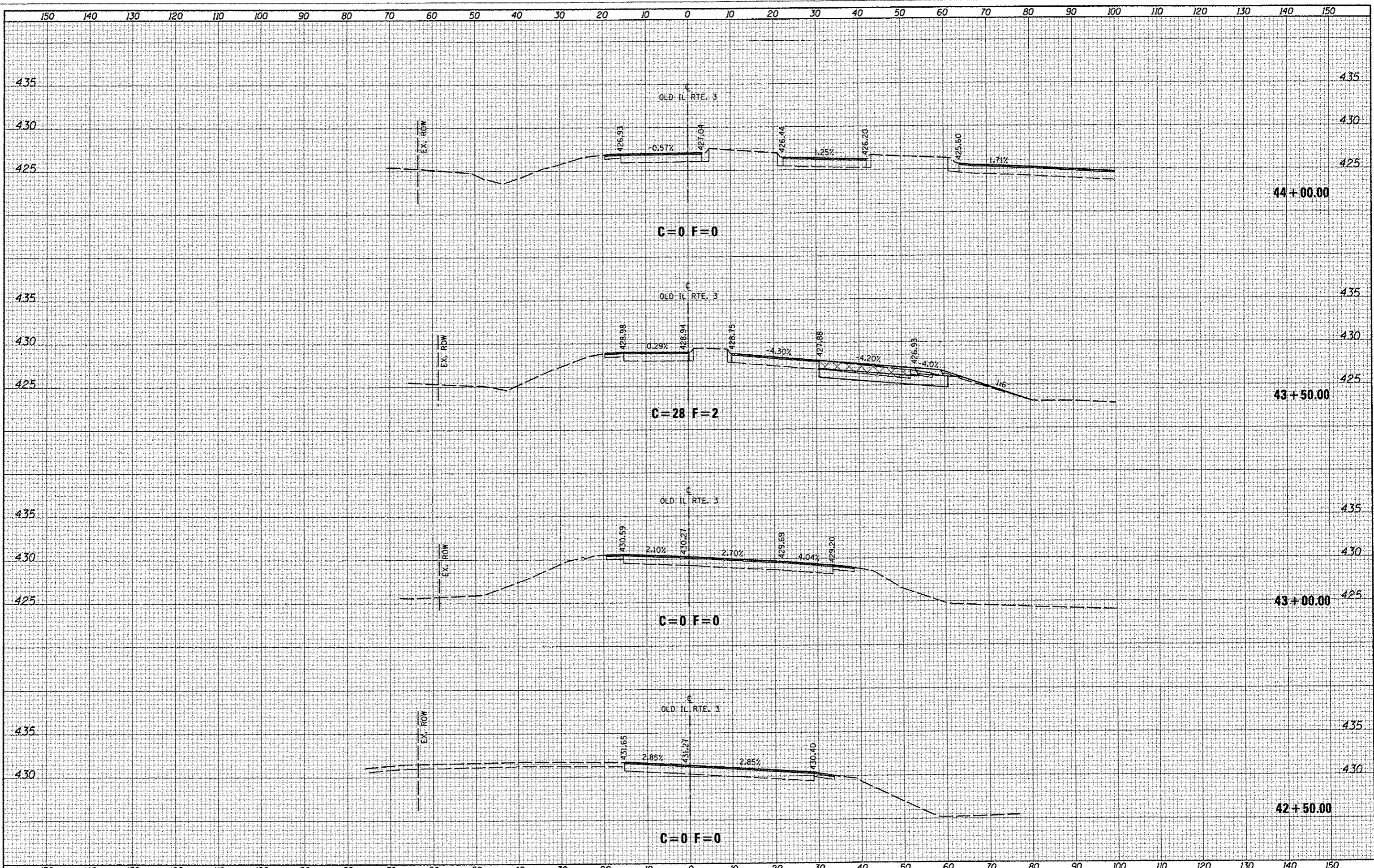


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BY	
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NOTED	
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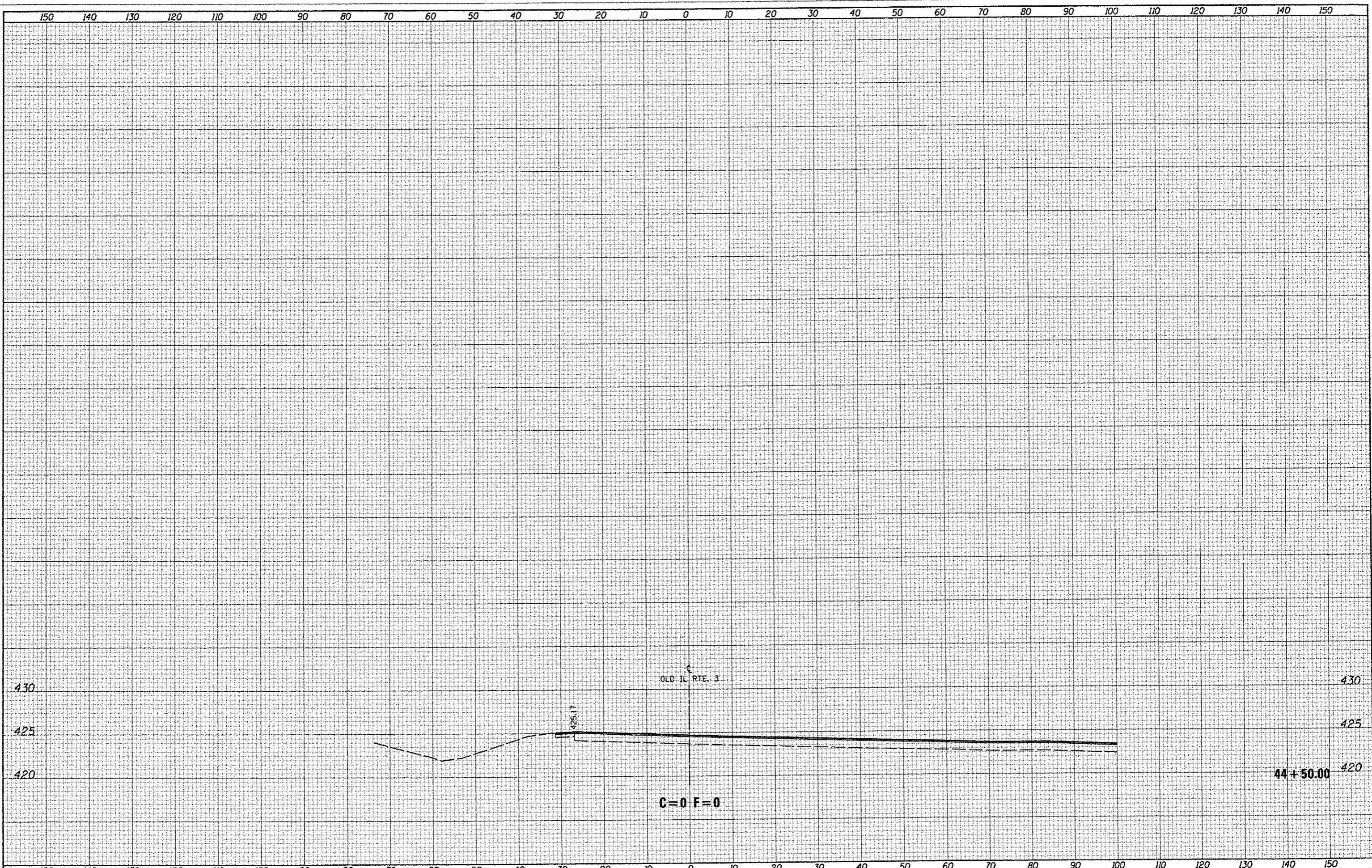
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ORIGINAL SURVEY	
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NO. OF AREAS CHECKED	



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NO. BOOK	
AREAS CHECKED	

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BY	
ORIGINAL SURVEY	
SURVEYED	
NOTED	
NO. BOOK	
AREAS CHECKED	



FILE NAME : DB100206-shr-xx-rte3.dgn

USER NAME = default  
 PLOT TIME = 4:07:13 PM  
 PLOT SCALE = 20.0000 ' / IN.  
 PLOT DATE = 7/17/2012

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

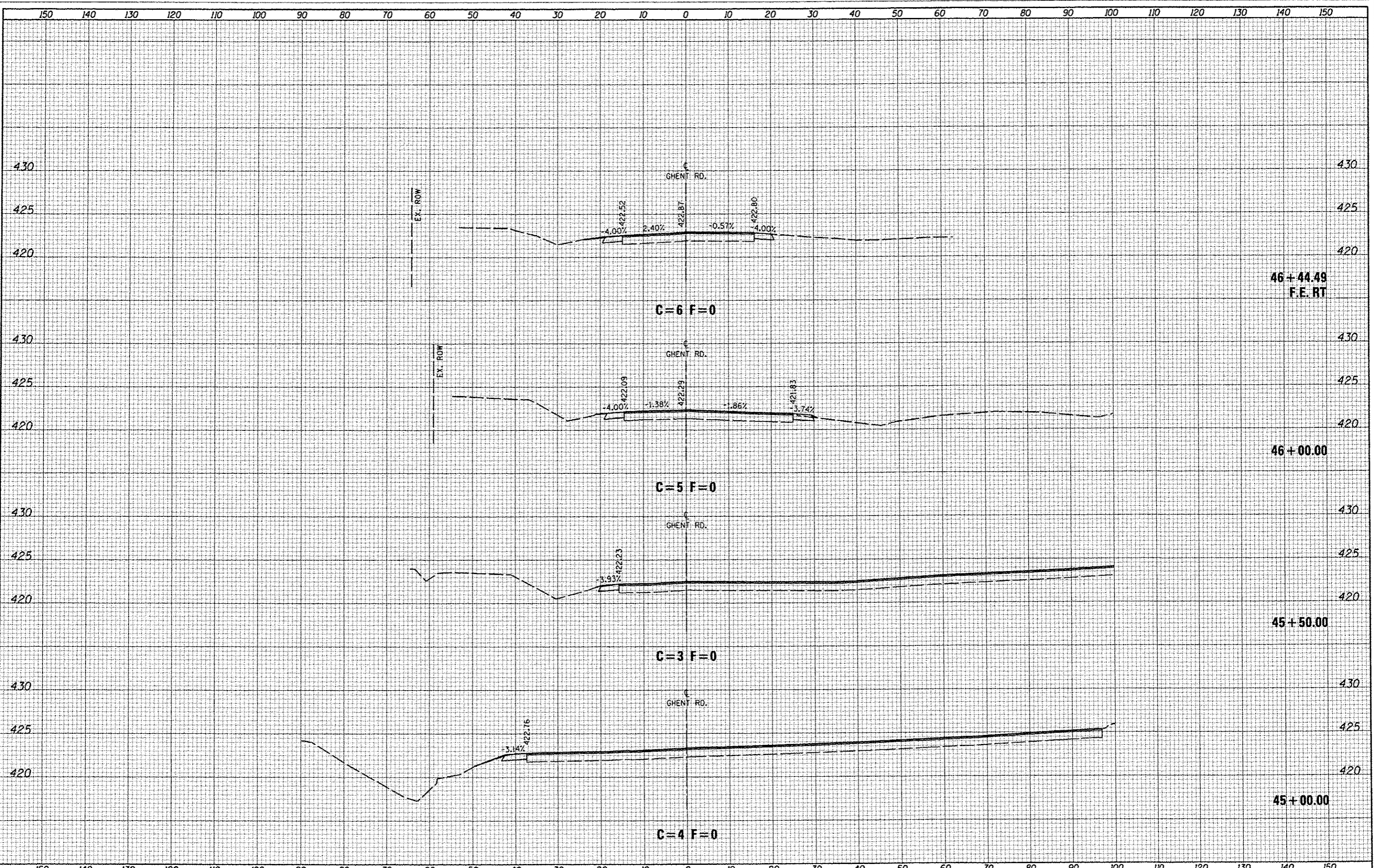
**OLD ROUTE 3  
 CROSS SECTION SHEETS**

SCALE: 1"=10'    SHEET 03 OF 03 SHEETS    STA. 44+50.00 TO STA. 44+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9300	10-00048-01-PV	MONROE	33	31
			CONTRACT NO. 97505	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	





DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

