

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PLANS FOR PROPOSED HIGHWAY IMPROVEMENT

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FAP ROUTE 690 (IL ROUTE 160)

SECTION 41X-RS-1  
MADISON COUNTY

IL ROUTE 160 RESURFACING AND  
INTERSECTION IMPROVEMENTS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	41X-RS-1	MADISON	58	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 76C35		

★ 58+1=59

D-98-005-09



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Jan 14 2009

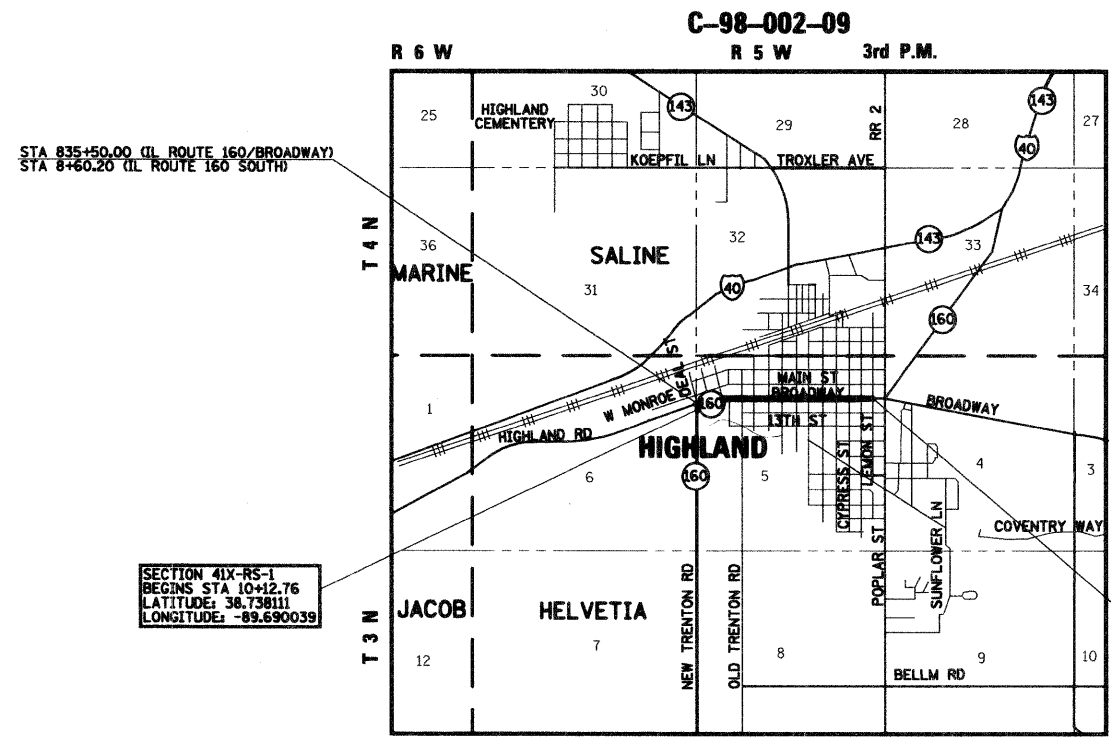
*Mary C. Jamie*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

March 27, 2009  
*Charles J. Ingersoll*  
ENGINEER OF DESIGN AND ENVIRONMENT

March 27, 2009  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

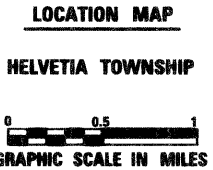
  
BERNARDIN \* LOCHMUELLER & ASSOCIATES, INC.  
3 OAK DRIVE  
MARYVILLE, ILLINOIS 62062  
PHONE (618) 288-4665  
FAX (618) 288-4666

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OF THE STATE OF ILLINOIS**



SECTION 41X-RS-1  
BEGINS STA 10+12.76  
LATITUDE: 38.738111  
LONGITUDE: -89.690039

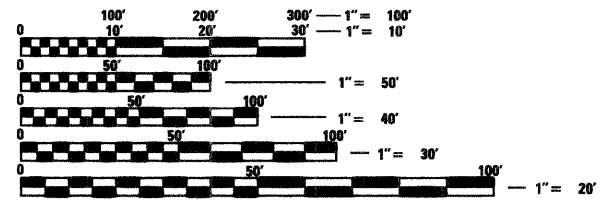
SECTION 41X-RS-1  
ENDS STA 885+02.84  
LATITUDE: 38.739508  
LONGITUDE: -89.672686



GROSS SECTION LENGTH = 5105.40 FEET = 0.97 MILES  
NET SECTION LENGTH = 5105.40 FEET = 0.97 MILES



*Brian R. Mueller*  
ILLINOIS PROFESSIONAL ENGINEER NO. 062-052018  
EXP. 11-30-2009



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

PROJECT ENGINEER: PATTI LEBEAU (618) 346-3179  
PROJECT MANAGER: CHERYL KEPLAR (618) 346-3186

CONTRACT NO. 76C35

FAP ROUTE 690 OTHER PRINCIPAL ARTERIAL  
ADT: 7900 (2009) FAP ROUTE 690  
5% TRUCKS

**GENERAL NOTES**

- ALL ELEVATIONS REFER TO USGS MEAN SEA LEVEL DATUM.
  - WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
  - ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
  - ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY ALSO BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-J.U.L.I.E. MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
    - \*AMERENIP                      GAS & ELECTRIC
    - \*CHARTER COMMUNICATIONS, INC.      CABLE TV
    - \*CITY OF HIGHLAND              WATER & SANITARY SEWER
    - \*CITY OF HIGHLAND              ELECTRIC
    - \*VERIZON NORTH, INC.              COMMUNICATIONS
- MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY \*  
NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE AREA LOCATED INSIDE THE CONSTRUCTION LIMITS SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS, SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
  - ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDED WITH CLASS 2 SEEDING AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04 OF THE STANDARD SPECIFICATIONS. ANY SEEDING REQUIRED OUTSIDE THE CONSTRUCTION LIMITS FOR THIS CONTRACT SECTION WILL NOT BE PAID FOR SEPARATELY AND CONSIDERED AS A CONTRACTOR'S EXPENSE. SEE THE SEEDING SCHEDULE FOR QUANTITIES
  - MULCH SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS. MULCH, UNLESS OTHERWISE PERMITTED BY THE ENGINEER, SHALL CONFORM TO METHOD 2 (PROCEDURE 1) AS SPECIFIED IN ARTICLE 251.03 OF THE STANDARD SPECIFICATIONS.
  - PORTIONS OF THE PLANS WERE DEVELOPED FROM OFFICE RECORDS. THE TYPICAL SECTIONS REFLECT THE BEST INFORMATION AVAILABLE WITH REGARD TO EXISTING PAVEMENT COMPOSITION. REMOVAL ITEMS AND QUANTITIES HAVE BEEN BASED ON THIS DATA. THE CONTRACTOR SHALL VERIFY EDGES OR LIMITS OF REMOVAL ITEMS PRIOR TO THE ACTUAL WORK BEING PERFORMED. THE CONTRACTOR IS ADVISED THAT TOPOGRAPHIC FEATURES AND ENTRANCES MAY EXIST THAT ARE NOT PRESENTED ON THESE PLANS.
  - ANY EXCAVATION ADJACENT TO THE EDGE OF PAVEMENTS SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTS
  - FULL DEPTH SAW CUTTING AT THE EDGE OF PAVEMENT WILL BE REQUIRED IN ORDER TO REMOVE EXISTING PAVEMENTS, PAVED SHOULDERS, CONCRETE CURB AND GUTTER, SIDEWALKS OR DRIVEWAY PAVEMENTS. THIS SAW CUTTING WILL NOT BE PAID FOR SEPARATELY BUT, CONSIDERED AS INCLUDED IN THE COST OF THE RESPECTIVE REMOVAL ITEMS.
  - PROVISIONS ARE INCLUDED IN THE PLANS FOR THE ADJUSTMENT OF CITY OF HIGHLAND VALVES AND MANHOLES.
  - THE REMOVAL OF MISCELLANEOUS HOT-MIX ASPHALT SURFACES PLACED ON SHOULDERS OR OTHER AREAS FOR MAINTENANCE OPERATIONS WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED FOR PAYMENT AS EARTH EXCAVATION.
  - ALL CONFLICTING GROUND MOUNTED SIGNS AND SIGN SUPPORTS ARE TO BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTIONS 724 OF THE STANDARD SPECIFICATIONS EXCEPT THAT IT WILL NOT BE MEASURED FOR PAYMENT BUT CONSIDERED AS INCLUDED IN THE VARIOUS ITEMS OF WORK.
  - NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED ON ANY PORTION OF THIS PROJECT.
  - ACCESS SHALL BE MAINTAINED TO PUBLIC, PRIVATE AND COMMERCIAL PROPERTIES AT ALL TIMES.
  - THE EXISTING PAVEMENT SURFACES SHALL BE PREPARED FOR RESURFACING IN ACCORDANCE WITH ARTICLE 406.06 (a) OF THE STANDARD SPECIFICATIONS. THE PAVEMENT CLEANING AND ANY FILLING OF CRACKS WITH MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED AS INCLUDED IN THE COST OF THE RESURFACING ITEMS,
  - THE EXISTING ROADWAY SURFACE WITHIN THE LIMITS OF THIS PROJECT IS ASPHALT. IT SHALL BE NOTED THAT ISOLATED LOCATIONS OF CONCRETE SURFACE ARE PRESENT AND SHALL ALSO BE INCLUDED IN HOT-MIX ASPHALT SURFACE REMOVAL OPERATIONS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CONCRETE AREAS.
  - THE EXISTING STAMPED CROSSWALKS ON THE NORTH SIDE OF LAUREL AND WASHINGTON STREETS ARE NOT TO BE DISTURBED BY MILLING AND RESURFACING OPERATIONS.
  - ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE PLANS SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
  - ALL CONSTRUCTION WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE.

**COMMITMENTS**

NONE

MIXTURE REQUIREMENTS - PROJECT				
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT				
LOCATION (S)	FAP ROUTE 690 (IL ROUTE 160)			
MIXTURE USE	SURFACE COURSE	LEVELING BINDER	HOT-MIX ASPHALT BASE COURSE	HOT-MIX ASPHALT PATCHING
AC/PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	10%	15%	15%	15%
DESIGN AIR VOIDS:	4.0% @ NDES=70	4.0% @ NDES=70	4.0% @ NDES=70	4.0% @ NDES=70
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 12.5	IL 9.5	IL 19.0	IL 19.0
FRICTION AGGREGATE:	MIXTURE D	MIXTURE C	MIXTURE B	MIXTURE B

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

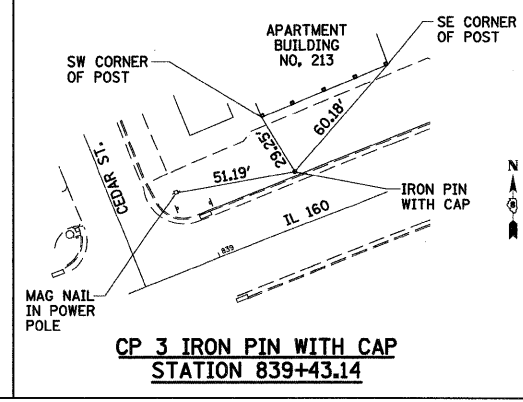
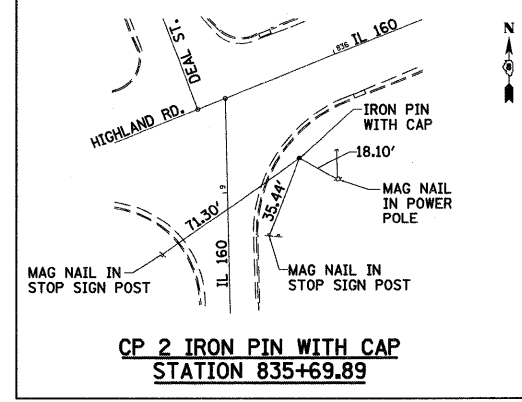
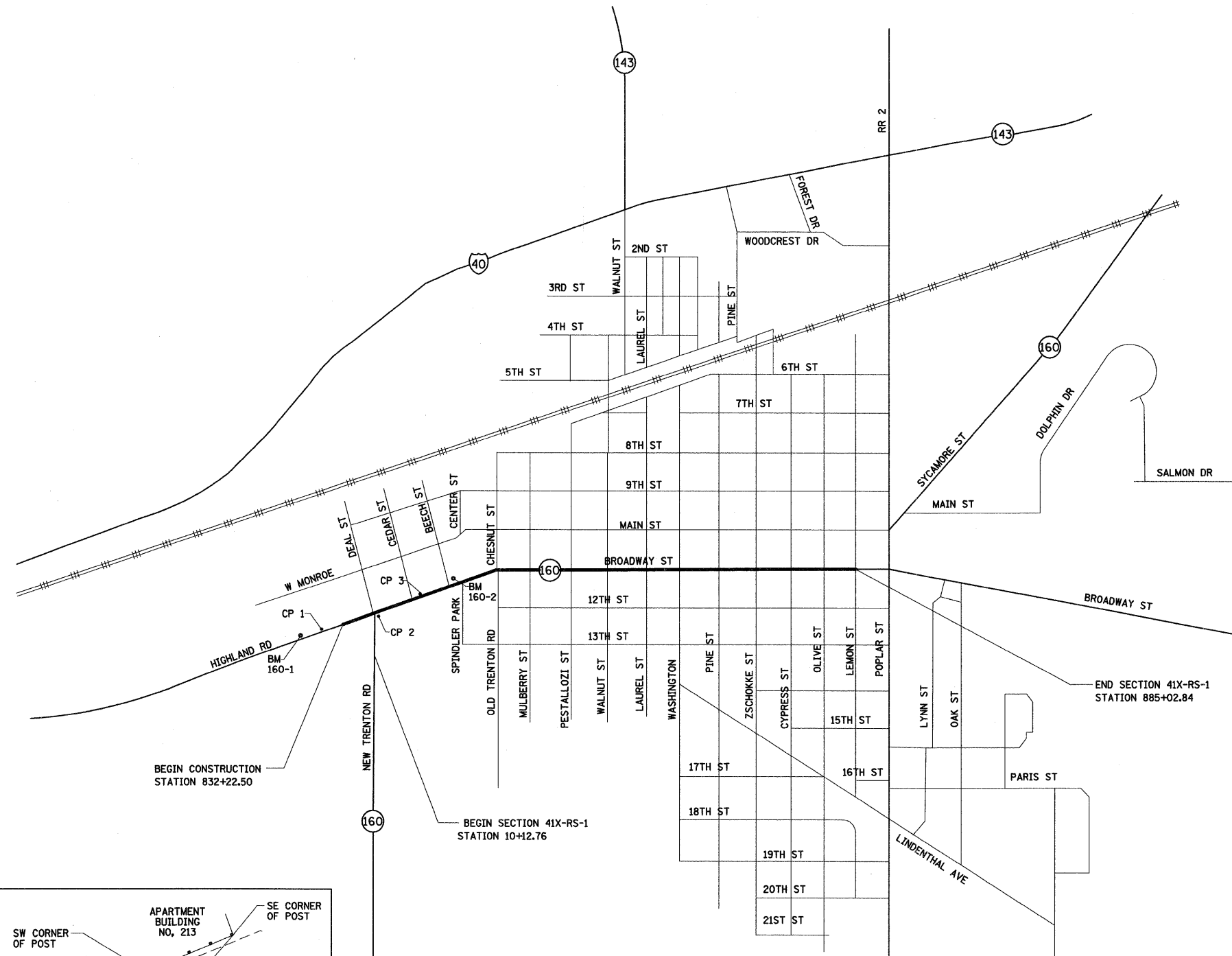
**INDEX OF SHEETS**

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**STANDARDS**

280001-04	606001-04	780001-02
424001-05	701001-02	781001-03
442201-03	701006-03	880001-01
542301-02	701301-03	886001-01
542401-01	701311-03	886006-01
542601-01	701501-05	000001-05
602406-03	701502-03	001001-02
602601-02	701801-04	001006
604001-03	701901-01	

FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES, STANDARDS, INDEX OF SHEETS</b>			F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 2
S:\Projects\407-0029-RH IL 160 (HIGHLAND)CAD	181087635-sh1-qsmotredn	DRAWN - WJS	REVISED -					SCALE:      SHEET NO. 1 OF 1 SHEETS      STA.      TO STA.			FED. ROAD DIST. NO.      ILLINOIS FED. AID PROJECT	
	PLOT SCALE = 28,0000' / IN.	CHECKED - BRM	REVISED -		<b>CONTRACT NO. 76C35</b>							
	PLOT DATE = 1/14/2009	DATE - 10-2-08	REVISED -									



**HIGHLAND**

BM \*160-1  
BENCHMARK \*160-1  
SET RR SPIKE IN POWER POLE AT NORTH SIDE OF HIGHLAND ROAD, ± 600' WEST OF DEAL STREET.  
ELEV. 532.10

BM \*160-2  
BENCHMARK \*160-2  
SET RR SPIKE IN POWER POLE WITH TRANSMISSION AT NORTHEAST CORNER OF IL 160 AND BEECH STREET.  
ELEV. 532.01

**CONTROL POINTS**

CONTROL POINT	COORDINATE	
	NORTHING	EASTING
1	754511.71	432281.51
2	754630.46	432731.53
3	754821.73	433057.15

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		100% STATE I000-2A	50% CITY 50% STATE I000-2A	100% CITY I000-2A	CODE NO	ITEM	UNIT		100% STATE I000-2A	50% CITY 50% STATE I000-2A	100% CITY I000-2A
20200100	EARTH EXCAVATION	CU YD	620	620		550A0180	STORM SEWERS, CLASS A, TYPE 1 42"	FOOT	41	41			
25000200	SEEDING, CLASS 2	ACRE	0.5	0.5		550A0190	STORM SEWERS, CLASS A, TYPE 1 48"	FOOT	83	83			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45	45		550A0220	STORM SEWERS, CLASS A, TYPE 1 66"	FOOT	43	43			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45	45		550A2420	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 48"	FOOT	108	108			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45	45		55101900	STORM SEWER REMOVAL 48"	FOOT	19	19			
25100120	MULCH, METHOD 2	TON	1	1		55102500	STORM SEWER REMOVAL 84"	FOOT	42	42			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	40	40		60100965	PIPE DRAINS 18"	FOOT	5	5			
28000400	PERIMETER EROSION BARRIER	FOOT	308	308		60223800	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
28000500	INLET AND PIPE PROTECTION	EACH	16	16		60247800	JUNCTION CHAMBER	EACH	1	1			
31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	1215	1215		60262800	INLETS TO BE RECONSTRUCTED (SPECIAL)	EACH	2	2			
35501328	HOT-MIX ASPHALT BASE COURSE, 11"	SQ YD	762	762		60266600	VALVE BOXES TO BE ADJUSTED	EACH	15		15		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	36	36		60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	16		16		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	49.9	36.6	13.3	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1261.5	1261.5			
40600300	AGGREGATE (PRIME COAT)	TON	80	59	21	63200310	GUARDRAIL REMOVAL	FOOT	28	28			
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	1129	989	140	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5			
40600895	CONSTRUCTING TEST STRIP	EACH	2	2		67100100	MOBILIZATION	L SUM	1	1			
40600990	TEMPORARY RAMP	SQ YD	429	429		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1			
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2769	1981	788	70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1			
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	41	41		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1			
42001300	PROTECTIVE COAT	SQ YD	590	590		70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	28	28			
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	31,123	22577	8546	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5193	5193			
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	131	131		70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	656	656			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	796	796		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	21840	21840			
44004250	PAVED SHOULDER REMOVAL	SQ YD	542	542		70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	3140	3140			
44201823	CLASS D PATCHES, TYPE I, 15 INCH	SQ YD	10	10		70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	675	675			
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	204	204		70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	10614	10614			
44201831	CLASS D PATCHES, TYPE III, 15 INCH	SQ YD	65	65		*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	656	656			
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	1199	1199		*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	21840	21840			
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	1	1		*78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3140	3140			
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	1	1		*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	675	675			
54215553	METAL END SECTIONS 18"	EACH	1	1									
54216003	REINFORCED CONCRETE PIPE ELBOW 48"	EACH	2	2									
55039700	STORM SEWERS TO BE CLEANED	FOOT	382	382									

*\* Specialty Items*

FILE NAME =	USER NAME = conoverpj	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\p\work\PWIDOT\CONOVERPJ\dms66862.d	76c35-shr-plan.dgn	DRAWN - ---	REVISED - ---			690	41X-RS-1	MADISON	58	4	
PLOT SCALE = 50.0000' / IN.	CHECKED - ---	REVISOR - ---	DATE - ---			SCALE: _____ SHEET NO. 1 OF 2 SHEETS STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			
PLOT DATE = 1/15/2009	DATE - ---	REVISOR - ---	DATE - ---			CONTRACT NO. 76C35					

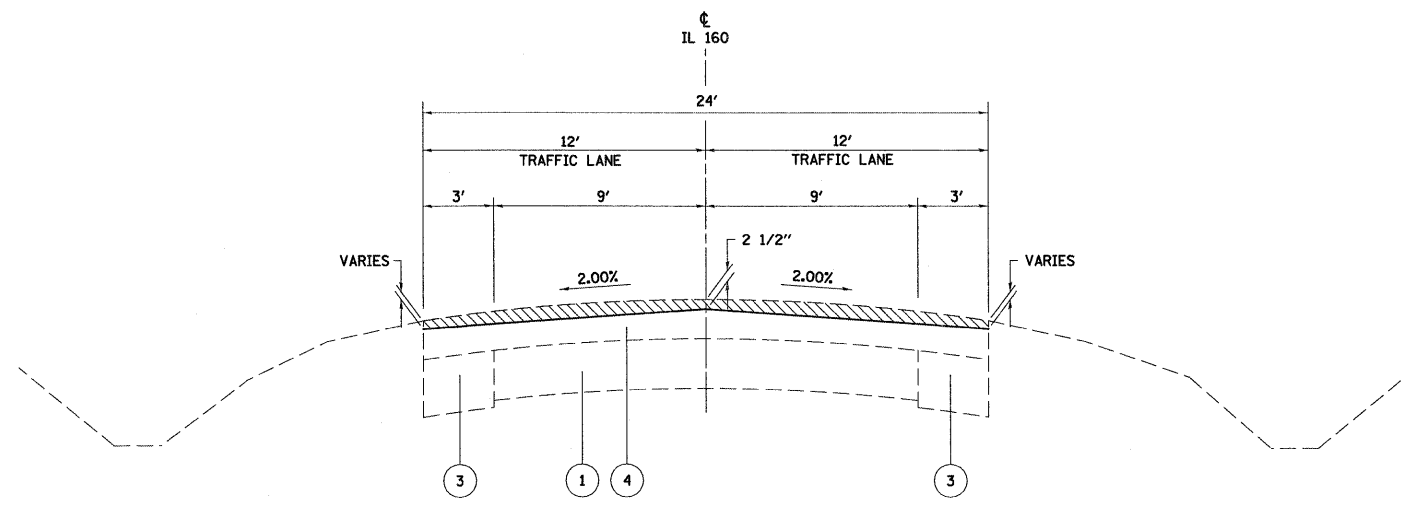
# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		100% STATE I000-2A	50% CITY 50% STATE I000-2A	100% CITY I000-2A	CODE NO	ITEM	UNIT		100% STATE I000-2A	50% CITY 50% STATE I000-2A	100% CITY I000-2A
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	209	209									
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	168	168									
*81000400	CONDUIT IN TRENCH, 1 1/4" DIA., GALVANIZED STEEL	FOOT	24	24									
*81000500	CONDUIT IN TRENCH, 1 1/2" DIA., GALVANIZED STEEL	FOOT	28	28									
*87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	61	61									
*88500100	INDUCTIVE LOOP DETECTOR	EACH	18	18									
*88600100	DETECTOR LOOP, TYPE I	FOOT	3394	3394									
*89501510	RELOCATE EXISTING FLASHING BEACON	EACH	1	1									
X4400220	CURB REMOVAL AND REPLACEMENT	FOOT	455	455									
<del>44004600</del>	SIDEWALK REMOVAL AND REPLACEMENT	SQ FT	750	750									
*X602005A	JUNCTION BOX REMOVED	EACH	1	1									
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	1	1									
X0323113	BITUMINOUS PAVEMENT IMPRINTING	SQ YD	897		897								

*\*Specialty Items*

FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 4A
ct:\pwwork\PIWIDOT\CONOVERPJ\dms66862\	76c35-shr-plan.dgn	DRAWN -	REVISED -							
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -							
	PLOT DATE = 1/15/2009	DATE -	REVISED -							
						SCALE: _____	SHEET NO. 2 OF 2 SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT	

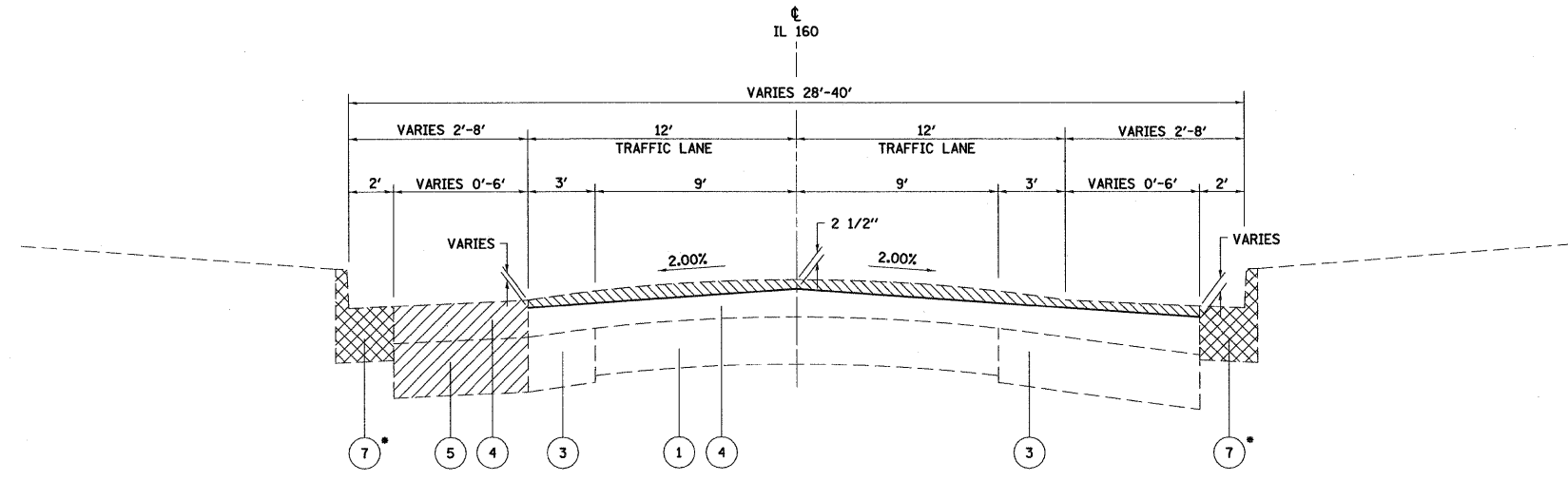
*Rev.*



IL 160  
TYPICAL SECTION  
STA 831+92.50 TO STA 833+62.35

EXISTING LEGEND

- ① EXISTING CONCRETE PAVEMENT, 7"
- ② EXISTING CONCRETE PAVEMENT, 9" - 6" - 9"
- ③ EXISTING CONCRETE WIDENING, VARIES
- ④ EXISTING HMA ASPHALT RESURFACING
- ⑤ EXISTING AGGREGATE BASE, 8"
- ⑥ EXISTING CONCRETE CURB, 6"
- ⑦ EXISTING CONCRETE CURB AND GUTTER
- ⑧ EXISTING CONCRETE SIDEWALK
- [Hatched Box] HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- [Diagonal Lines Box] PAVED SHOULDER REMOVAL
- [Cross-hatched Box] CURB AND GUTTER REMOVAL



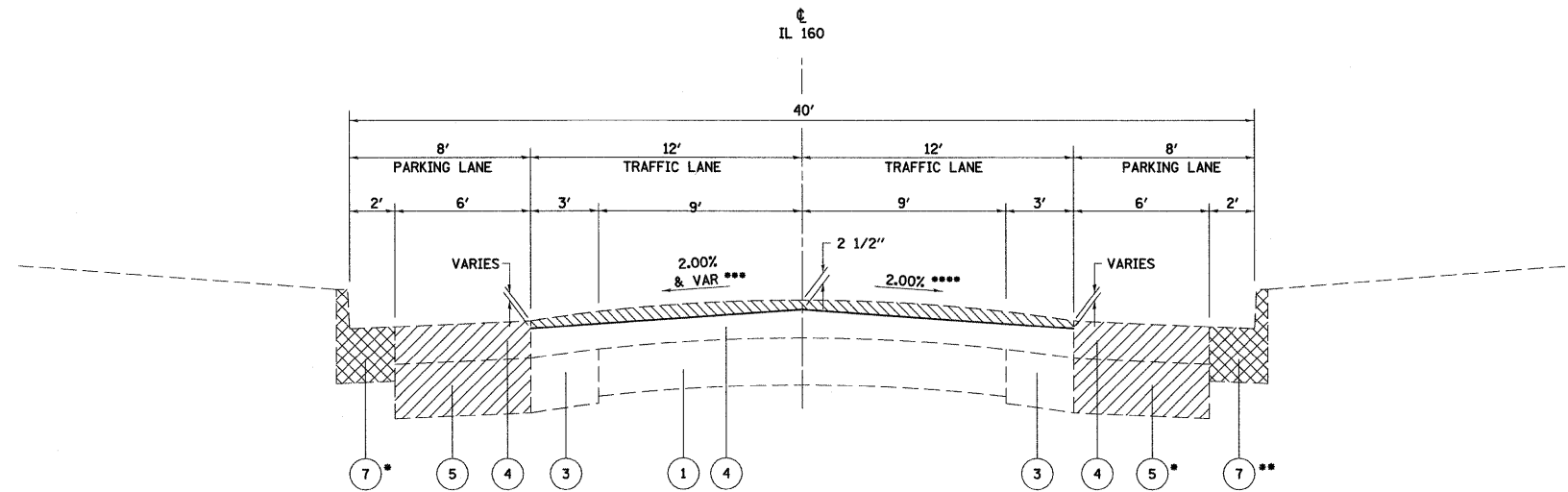
IL 160  
TYPICAL SECTION  
STA 833+62.35 TO STA 834+72

• EXIST CURB AND GUTTER REMOVAL BEGINS: STA. 833+62.4 RT  
STA. 833+87.4 LT

MILLING DEPTH IN INCHES

STATION	LEFT EDGE OF PAVEMENT	CENTERLINE	RIGHT EDGE OF PAVEMENT	RIGHT EDGE OF PARKING LANE
832+30.00	3.25	2.50	2.00	
832+50.00	2.75	2.50	1.75	
833+00.00	4.00	2.50	1.75	
833+50.00	2.25	2.50	3.50	
834+00.00	2.25	2.50	3.25	3.50
834+50.00	2.25	2.50	2.00	2.00

NOTE:  
PAVEMENT CROSS SLOPES INDICATED ON THE EXISTING TYPICAL SECTIONS REFLECT PROPOSED CROSS SLOPES AND ARE INDICATED TO CONTROL HOT-MIX ASPHALT SURFACE REMOVAL OPERATIONS.

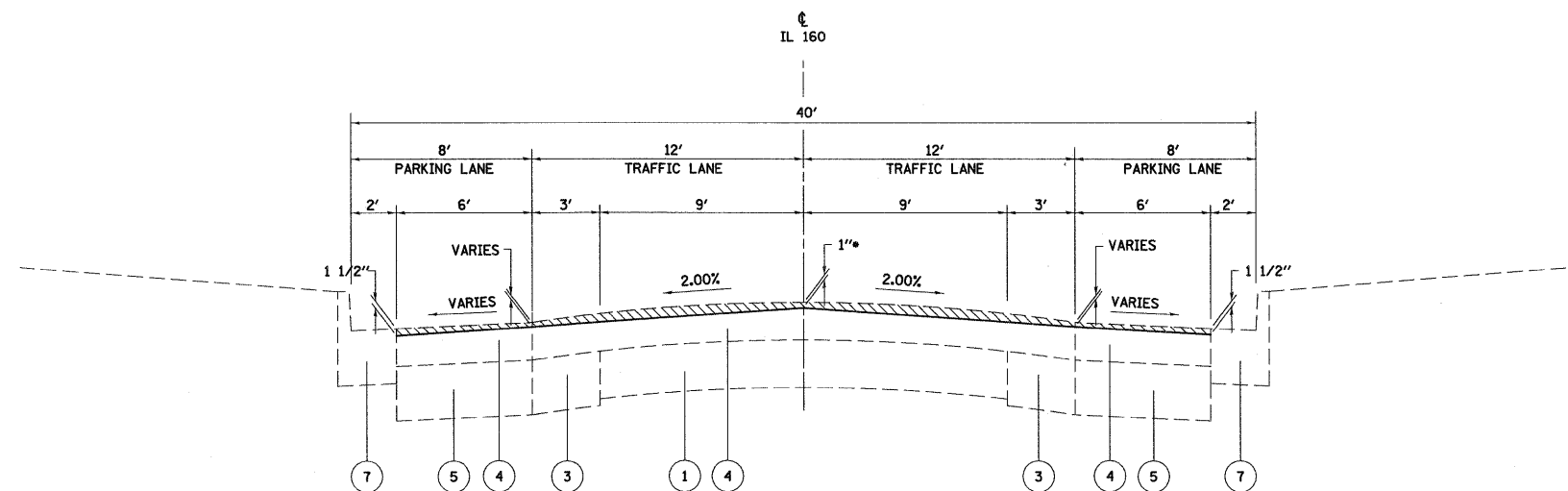


IL 160  
TYPICAL SECTION  
STA 834+72 TO STA 840+00

- EXISTING SHOULDER BEGINS: STA 835+89.0 RT
- EXISTING CURB AND GUTTER REMOVAL ENDS: STA. 837+50.0 RT  
STA. 838+30.0 LT
- SLOPE TRANSITIONS FROM 2.00% AT STA 835+10.00 TO 0.16% AT STA 835+40.00 TO 2.00% AT STA 835+70.00.  
SLOPE TRANSITIONS FROM 2.00% AT STA 838+20.00 TO 1.00% AT STA 838+66.09 TO 2.00% AT STA 839+00.00.
- SLOPE TRANSITIONS FROM 2.00% AT STA 834+50.00 TO 0.04% AT STA 835+40.00 TO 2.00% AT STA 836+50.00.

EXISTING LEGEND

- ① EXISTING CONCRETE PAVEMENT, 7"
- ② EXISTING CONCRETE PAVEMENT, 9" - 6" - 9"
- ③ EXISTING CONCRETE WIDENING, VARIES
- ④ EXISTING HMA ASPHALT RESURFACING
- ⑤ EXISTING AGGREGATE BASE, 8"
- ⑥ EXISTING CONCRETE CURB, 6"
- ⑦ EXISTING CONCRETE CURB AND GUTTER
- ⑧ EXISTING CONCRETE SIDEWALK
- [Hatched Box] HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- [Diagonal Lines Box] PAVED SHOULDER REMOVAL
- [Cross-hatched Box] CURB AND GUTTER REMOVAL



IL 160  
TYPICAL SECTION  
STA 840+00 TO STA 849+56

- TRANSITION FROM 2 1/2" TO 1" MILL FROM STATION 840+70.0 TO 841+30.0

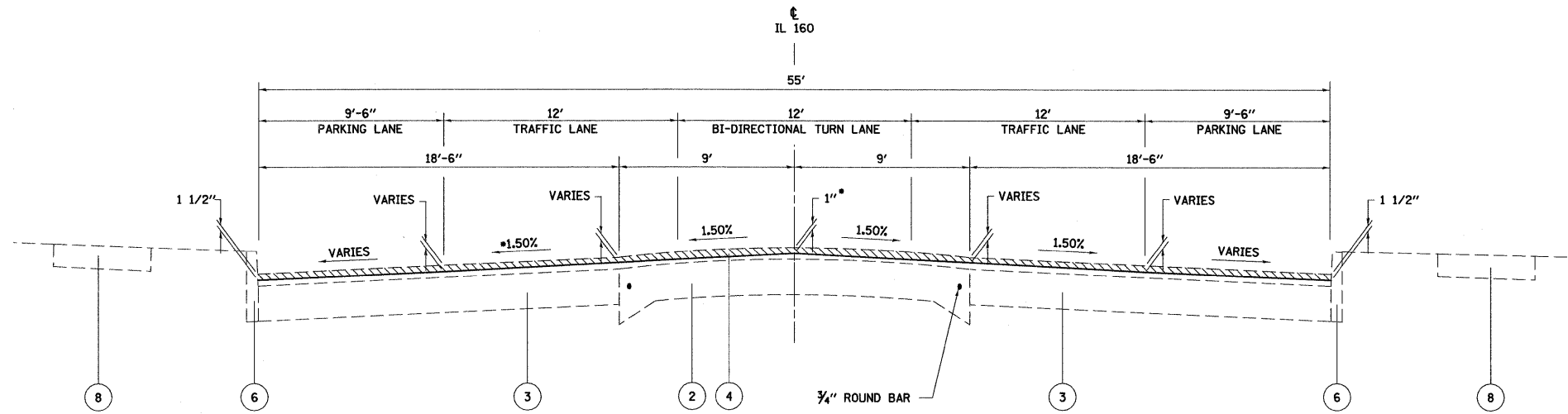
MILLING DEPTH IN INCHES

STATION	LEFT EDGE OF PARKING LANE	LEFT EDGE OF PAVEMENT	CENTERLINE	RIGHT EDGE OF PAVEMENT	RIGHT EDGE OF PARKING LANE
835+00.00		2.50	2.50	1.25	
835+40.00		2.50	2.50	1.00	
835+50.00		2.75	2.50	2.00	
836+00.00		1.75	2.50	1.00	
836+50.00		1.50	2.50	1.00	
837+00.00		1.50	2.50	1.25	
837+50.00		2.00	2.50	1.50	
838+00.00		3.25	2.50	2.50	
838+50.00		5.00	2.50	1.75	
838+66.09		4.25	2.50	2.00	
839+00.00		3.25	2.50	2.50	
839+50.00		1.50	2.50	2.50	
840+00.00	1.50	2.00	2.50	3.00	1.50
840+50.00	1.50	0.75	2.50	1.75	1.50
840+70.00	1.50	0.75	2.50	2.00	1.50
841+00.00	1.50	0.00	1.75	1.50	1.50
841+50.00	1.50	0.00	1.00	0.75	1.50
841+93.02	1.50	1.25	1.00	0.50	1.50
842+00.00	1.50	1.00	1.00	0.25	1.50
842+50.00	1.50	1.00	1.00	0.75	1.50
843+00.00	1.50	1.25	1.00	2.00	1.50
843+50.00	1.50	0.25	1.00	1.25	1.50
844+00.00	1.50	1.50	1.00	0.75	1.50
844+50.00	1.50	1.75	1.00	0.25	1.50
845+00.00	1.50	1.75	1.00	1.00	1.50
845+50.00	1.50	1.00	1.00	0.50	1.50
846+00.00	1.50	0.75	1.00	0.00	1.50
846+50.00	1.50	0.50	1.00	0.75	1.50
847+00.00	1.50	0.75	1.00	0.25	1.50
847+50.00	1.50	1.50	1.00	1.00	1.50
848+00.00	1.50	2.00	1.00	0.25	1.50
848+50.00	1.50	1.75	1.00	0.75	1.50
849+00.00	1.50	1.75	1.00	1.50	1.50
849+50.00	1.50	4.25	1.00	1.75	1.50

NOTE:  
PAVEMENT CROSS SLOPES INDICATED ON THE EXISTING TYPICAL SECTIONS REFLECT PROPOSED CROSS SLOPES AND ARE INDICATED TO CONTROL HOT-MIX ASPHALT SURFACE REMOVAL OPERATIONS.

EXISTING LEGEND

- 1 EXISTING CONCRETE PAVEMENT, 7" HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- 2 EXISTING CONCRETE PAVEMENT, 9" - 6" - 9" PAVED SHOULDER REMOVAL
- 3 EXISTING CONCRETE WIDENING, VARIES CURB AND GUTTER REMOVAL
- 4 EXISTING HMA ASPHALT RESURFACING
- 5 EXISTING AGGREGATE BASE, 8"
- 6 EXISTING CONCRETE CURB, 6"
- 7 EXISTING CONCRETE CURB AND GUTTER
- 8 EXISTING CONCRETE SIDEWALK

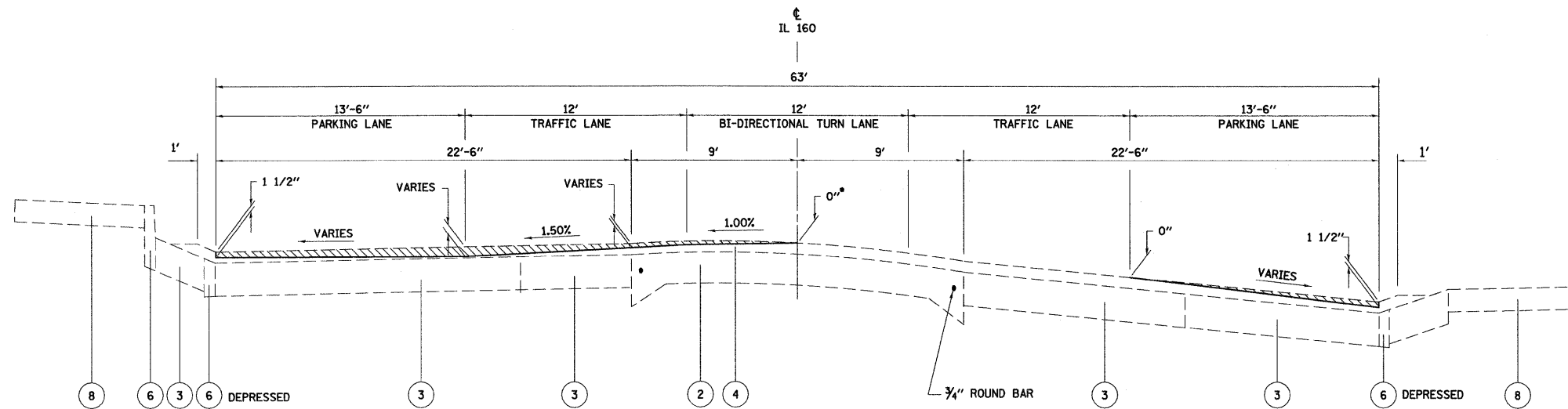


IL 160  
TYPICAL SECTION

• 2.00% CROSS SLOPE FROM  
STA 874+50 TO 878+00

STA 849+56 TO STA 860+30  
STA 871+12 TO STA 885+07.50

• TRANSITION MILLING DEPTH FROM 1" TO 0" MILLING  
FROM STATION 860+00.00 TO STA 860+29.50.



IL 160  
TYPICAL SECTION

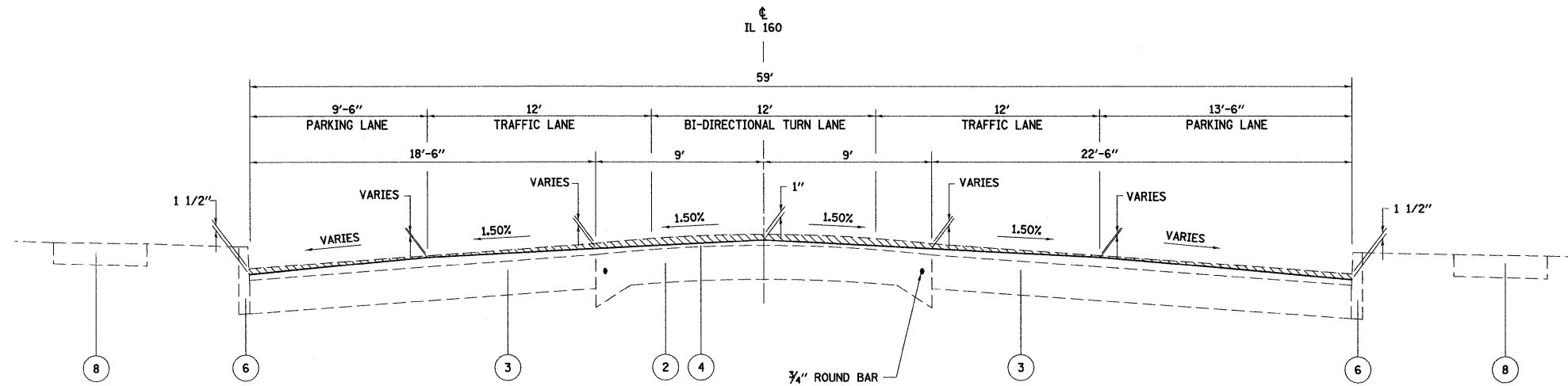
STA 860+30 TO STA 863+90

• TRANSITION MILLING DEPTH FROM 0" TO 1" MILLING  
FROM STATION 863+60.00 TO STA 863+90.60.

NOTE:  
PAVEMENT CROSS SLOPES INDICATED ON THE  
EXISTING TYPICAL SECTIONS REFLECT  
PROPOSED CROSS SLOPES AND ARE INDICATED  
TO CONTROL HOT-MIX ASPHALT SURFACE  
REMOVAL OPERATIONS.

STATION	MILLING DEPTH IN INCHES						
	LEFT EDGE OF PARKING LANE	LEFT EDGE OF PAVEMENT	LEFT EDGE OF TURN LANE	CENTERLINE	RIGHT EDGE OF TURN LANE	RIGHT EDGE OF PAVEMENT	RIGHT EDGE OF PARKING LANE
849+56.62	1.50	4.00	2.00	1.00	1.00	0.75	1.50
850+00.00	1.50	1.75	1.50	1.00	1.50	1.50	1.50
850+50.00	1.50	1.25	1.25	1.00	1.50	1.75	1.50
851+00.00	1.50	1.25	1.50	1.00	1.50	1.75	1.50
851+50.00	1.50	1.75	0.25	1.00	1.50	1.75	1.50
852+00.00	1.50	2.50	1.50	1.00	1.50	1.75	1.50
852+50.00	1.50	2.25	1.50	1.00	0.00	1.00	1.50
853+00.00	1.50	0.75	1.00	1.00	0.75	0.00	1.50
853+06.30	1.50	2.25	1.50	1.00	1.25	0.25	1.50
853+50.00	1.50	1.25	1.50	1.00	1.50	1.25	1.50
854+00.00	1.50	1.75	1.50	1.00	1.50	1.25	1.50
854+50.00	1.50	1.50	1.50	1.00	1.25	1.00	1.50
855+00.00	1.50	1.75	1.50	1.00	1.25	0.25	1.50
855+50.00	1.50	1.25	1.25	1.00	1.00	0.25	1.50
856+00.00	1.50	1.00	1.25	1.00	1.00	0.25	1.50
856+50.00	1.50	1.00	1.25	1.00	1.00	0.25	1.50
856+68.39	1.50	0.00	0.75	1.00	0.50	0.00	1.50
857+00.00	1.50	1.25	1.25	1.00	1.25	0.75	1.50
857+50.00	1.50	2.00	1.75	1.00	1.25	1.25	1.50
858+00.00	1.50	2.25	1.50	1.00	1.25	1.25	1.50
858+50.00	1.50	2.25	1.50	1.00	1.25	1.50	1.50
859+00.00	1.50	2.00	1.50	1.00	1.25	1.50	1.50
859+50.00	1.50	2.50	1.50	1.00	1.75	1.75	1.50
860+00.00	1.50	4.00	1.75	1.00	1.75	1.50	1.50
860+29.50	1.50	4.50	1.25	0.00	0.00	0.50	1.50
860+50.00	1.50	3.00	0.75	0.00	0.00	0.25	1.50
861+00.00	1.50	3.00	0.75	0.00	0.00	0.00	1.50
861+50.00	1.50	3.00	0.50	0.00	0.00	0.00	1.50
862+00.00	1.50	2.50	0.50	0.00	0.00	0.50	1.50
862+50.00	1.50	2.75	0.75	0.00	0.25	0.75	1.50
862+60.00	1.50	2.75	0.50	0.00	0.50	0.50	1.50
862+70.00	1.50	2.75	0.50	0.00	0.50	0.50	1.50
862+80.00	1.50	2.50	0.50	0.00	0.50	0.50	1.50
862+90.00	1.50	2.50	0.50	0.00	0.25	0.25	1.50
863+00.00	1.50	2.25	0.25	0.00	0.25	0.25	1.50
863+50.00	1.50	2.00	0.50	0.00	0.00	0.00	1.50
863+90.60	1.50	3.25	1.75	1.00	0.50	0.00	1.50
871+13.17	1.50	1.75	1.50	1.00	1.50	2.75	1.50
871+50.00	1.50	1.75	1.50	1.00	1.75	3.25	1.50
872+00.00	1.50	1.25	1.25	1.00	2.00	3.25	1.50
872+50.00	1.50	0.75	0.75	1.00	2.25	3.75	1.50
873+00.00	1.50	0.00	0.50	1.00	2.25	4.25	1.50
873+50.00	1.50	0.00	0.50	1.00	2.00	3.75	1.50
874+00.00	1.50	0.00	0.50	1.00	2.00	3.50	1.50
874+50.00	1.50	1.50	1.25	1.00	2.00	3.50	1.50
874+75.78	1.50	1.50	0.75	1.00	2.50	5.25	1.50
874+76.93	1.50	1.50	0.75	1.00	2.50	5.25	1.50
875+00.00	1.50	0.75	0.75	1.00	2.50	3.50	1.50
875+50.00	1.50	0.00	0.25	1.00	1.50	2.75	1.50
876+00.00	1.50	0.00	0.25	1.00	2.00	3.75	1.50
876+50.00	1.50	0.00	0.25	1.00	2.00	4.00	1.50
877+00.00	1.50	0.00	0.25	1.00	2.00	3.75	1.50
877+50.00	1.50	0.00	0.75	1.00	1.00	1.00	1.50
878+00.00	1.50	0.25	1.00	1.00	1.50	1.25	1.50
878+38.91	1.50	3.25	2.00	1.00	0.25	4.00	1.50
878+50.00	1.50	2.75	1.75	1.00	1.25	2.00	1.50
879+00.00	1.50	0.50	1.25	1.00	1.50	2.00	1.50
879+50.00	1.50	1.75	1.75	1.00	1.50	2.75	1.50
880+00.00	1.50	0.25	1.25	1.00	1.25	1.75	1.50
880+50.00	1.50	1.25	1.50	1.00	1.25	1.50	1.50
881+00.00	1.50	2.00	1.25	1.00	1.50	2.00	1.50
881+50.00	1.50	1.50	1.50	1.00	1.00	1.50	1.50
882+00.00	1.50	2.75	1.50	1.00	1.50	2.75	1.50
882+00.77	1.50	2.75	1.50	1.00	1.50	2.75	1.50
882+50.00	1.50	1.75	1.50	1.00	1.25	0.50	1.50
883+00.00	1.50	1.75	1.75	1.00	0.75	0.00	1.50
883+50.00	1.50	1.25	1.75	1.00	1.75	1.50	1.50
884+00.00	1.50	1.75	1.25	1.00	1.75	2.00	1.50
884+50.00	1.50	2.00	1.50	1.00	2.00	2.75	1.50
885+00.00	1.50	1.50	1.25	1.00	2.00	2.25	1.50
885+30.00	1.50	1.00	1.25	1.00	1.75	2.00	1.50

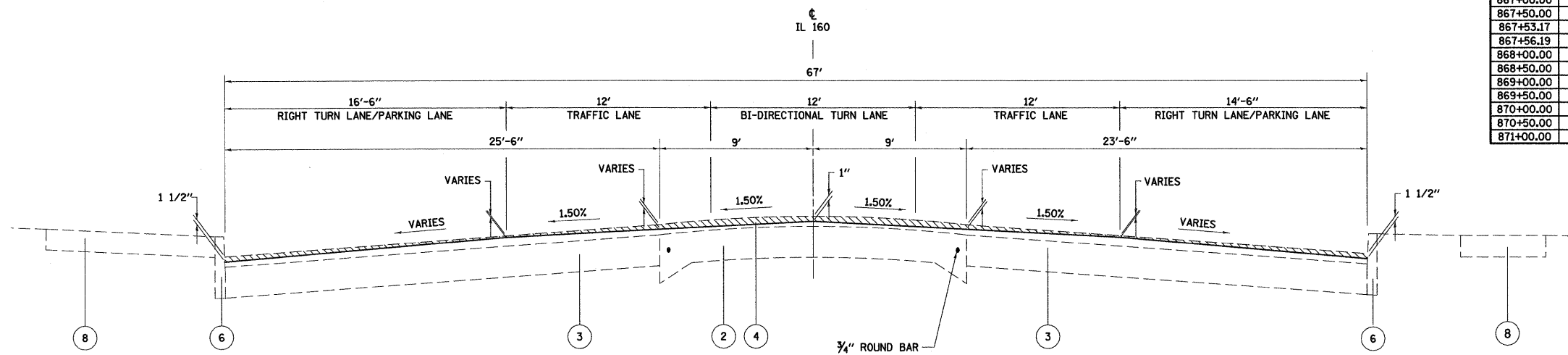




IL 160  
TYPICAL SECTION  
STA 863+90 TO STA 867+53

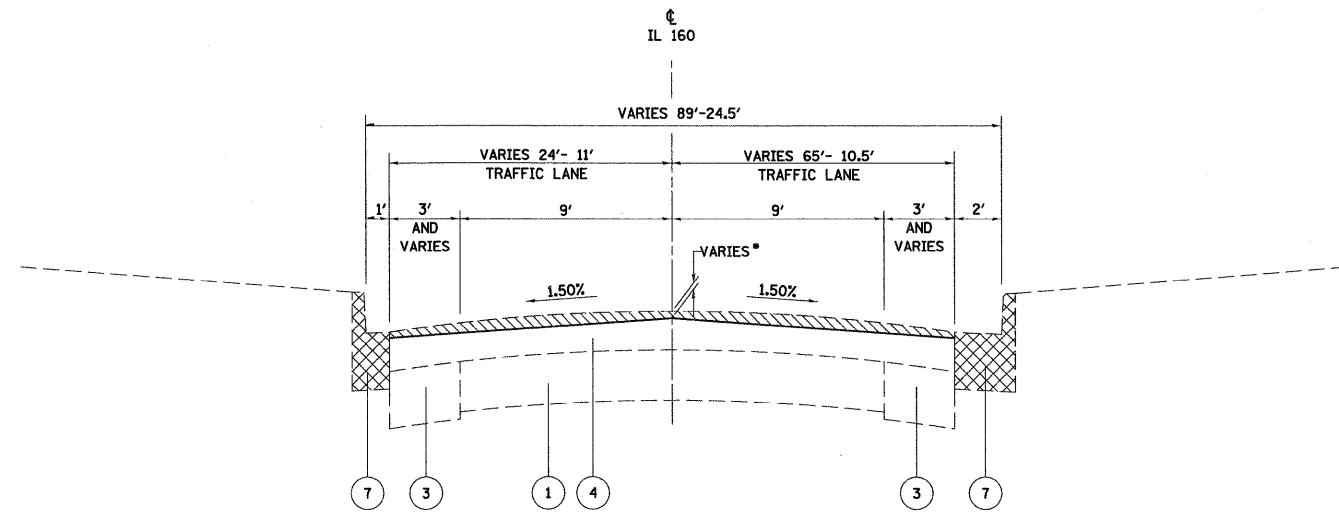
- EXISTING LEGEND
- ① EXISTING CONCRETE PAVEMENT, 7"
  - ② EXISTING CONCRETE PAVEMENT, 9" - 6" - 9"
  - ③ EXISTING CONCRETE WIDENING, VARIES
  - ④ EXISTING HMA ASPHALT RESURFACING
  - ⑤ EXISTING AGGREGATE BASE, 8"
  - ⑥ EXISTING CONCRETE CURB, 6"
  - ⑦ EXISTING CONCRETE CURB AND GUTTER
  - ⑧ EXISTING CONCRETE SIDEWALK
  - [Hatched Box] HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
  - [Diagonal Hatched Box] PAVED SHOULDER REMOVAL
  - [Cross-hatched Box] CURB AND GUTTER REMOVAL

STATION	MILLING DEPTH IN INCHES						
	LEFT EDGE OF PARKING LANE	LEFT EDGE OF PAVEMENT	LEFT EDGE OF TURN LANE	CENTERLINE	RIGHT EDGE OF TURN LANE	RIGHT EDGE OF PAVEMENT	RIGHT EDGE OF PARKING LANE
863+91.27	1.50	3.25	1.75	1.00	0.50	0.00	1.50
864+00.00	1.50	2.50	1.75	1.00	0.50	0.00	1.50
864+50.00	1.50	2.00	1.75	1.00	0.75	0.00	1.50
865+00.00	1.50	2.00	1.75	1.00	0.75	0.00	1.50
865+50.00	1.50	1.75	1.50	1.00	1.00	0.50	1.50
866+00.00	1.50	1.50	1.50	1.00	1.25	1.00	1.50
866+50.00	1.50	1.50	1.50	1.00	1.25	1.25	1.50
867+00.00	1.50	0.75	0.75	1.00	1.50	1.25	1.50
867+50.00	1.50	3.00	1.50	1.00	1.50	2.25	1.50
867+53.17	1.50	3.25	1.75	1.00	1.75	2.25	1.50
867+56.19	1.50	3.25	1.75	1.00	1.75	2.00	1.50
868+00.00	1.50	2.75	1.50	1.00	1.50	2.00	1.50
868+50.00	1.50	2.50	1.50	1.00	1.75	3.25	1.50
869+00.00	1.50	2.25	1.50	1.00	1.75	3.00	1.50
869+50.00	1.50	1.75	1.25	1.00	1.75	2.50	1.50
870+00.00	1.50	2.00	1.25	1.00	1.75	3.00	1.50
870+50.00	1.50	0.75	1.25	1.00	1.50	3.00	1.50
871+00.00	1.50	1.75	1.25	1.00	1.50	2.75	1.50



IL 160  
TYPICAL SECTION  
STA 867+53 TO STA 871+12

NOTE:  
PAVEMENT CROSS SLOPES INDICATED ON THE EXISTING TYPICAL SECTIONS REFLECT PROPOSED CROSS SLOPES AND ARE INDICATED TO CONTROL HOT-MIX ASPHALT SURFACE REMOVAL OPERATIONS.

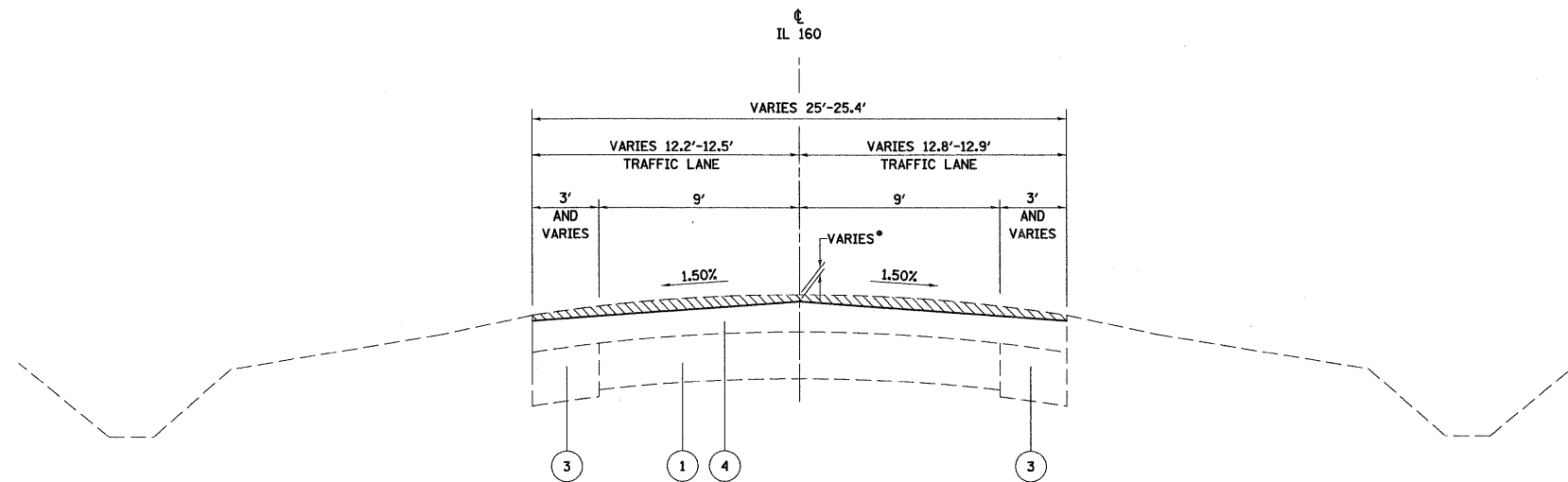


IL 160 SB (NEW TRENTON RD)  
TYPICAL SECTION  
STA 8+79.40 TO STA 9+48.31

• SEE MILLING DEPTH TABLE

EXISTING LEGEND

- ① EXISTING CONCRETE PAVEMENT, 7"
- ② EXISTING CONCRETE PAVEMENT, 9" - 6" - 9"
- ③ EXISTING CONCRETE WIDENING, VARIES
- ④ EXISTING HMA ASPHALT RESURFACING
- ⑤ EXISTING AGGREGATE BASE, 8"
- ⑥ EXISTING CONCRETE CURB, 6"
- ⑦ EXISTING CONCRETE CURB AND GUTTER
- ⑧ EXISTING CONCRETE SIDEWALK
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- CURB AND GUTTER REMOVAL



IL 160 SB (NEW TRENTON RD)  
TYPICAL SECTION  
STA 9+48.31 TO STA 10+12.76

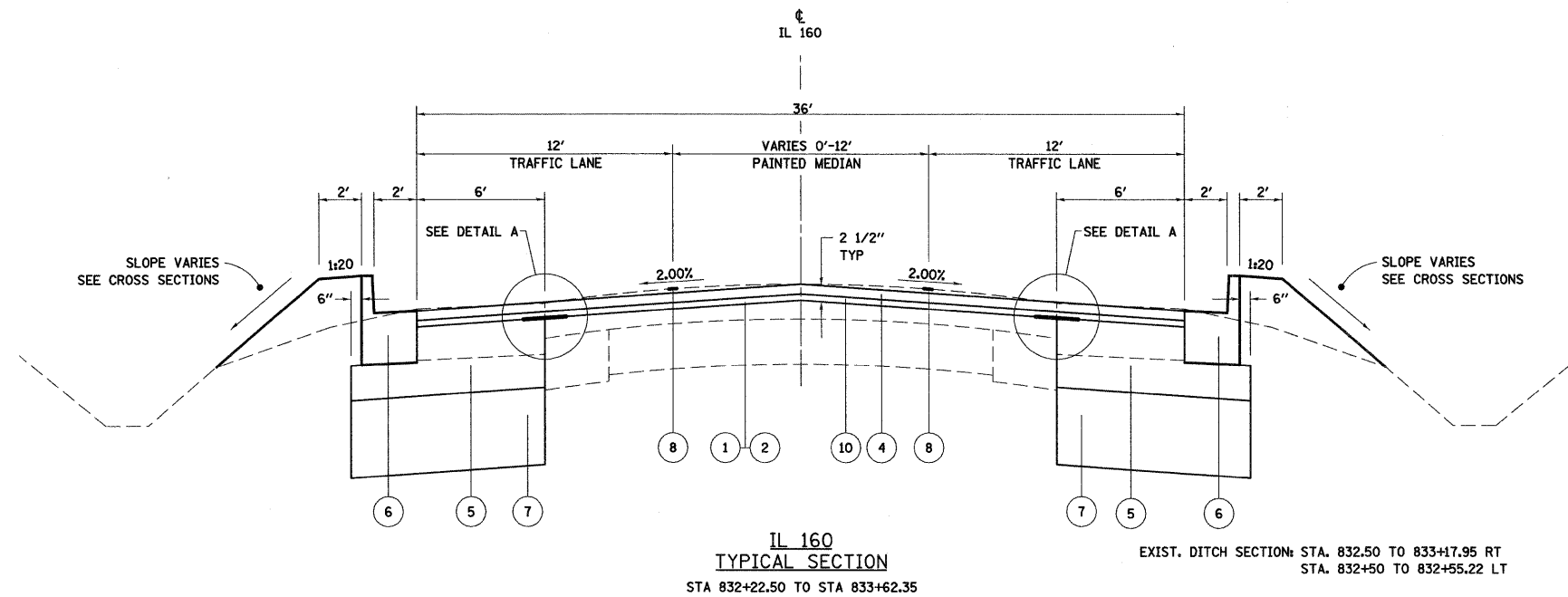
• SEE MILLING DEPTH TABLE

STATION	MILLING DEPTH IN INCHES		
	EXISTING LEFT EDGE OF PAVEMENT	CENTERLINE	EXISTING RIGHT EDGE OF PAVEMENT
9+00.00	2.25	1.25	
9+50.00	2.00	1.00	0.50
9+56.12	2.00	1.25	1.25
9+82.74	2.50	1.75	4.50
10+00.00	2.50	2.25	3.25

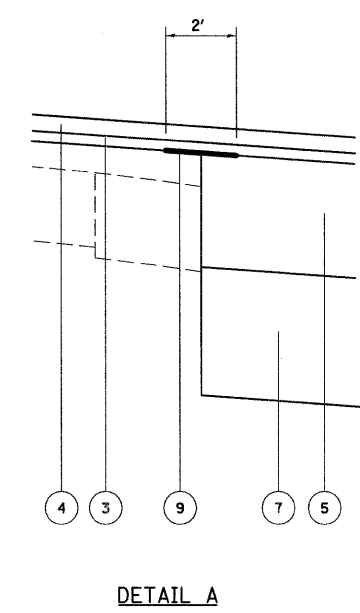
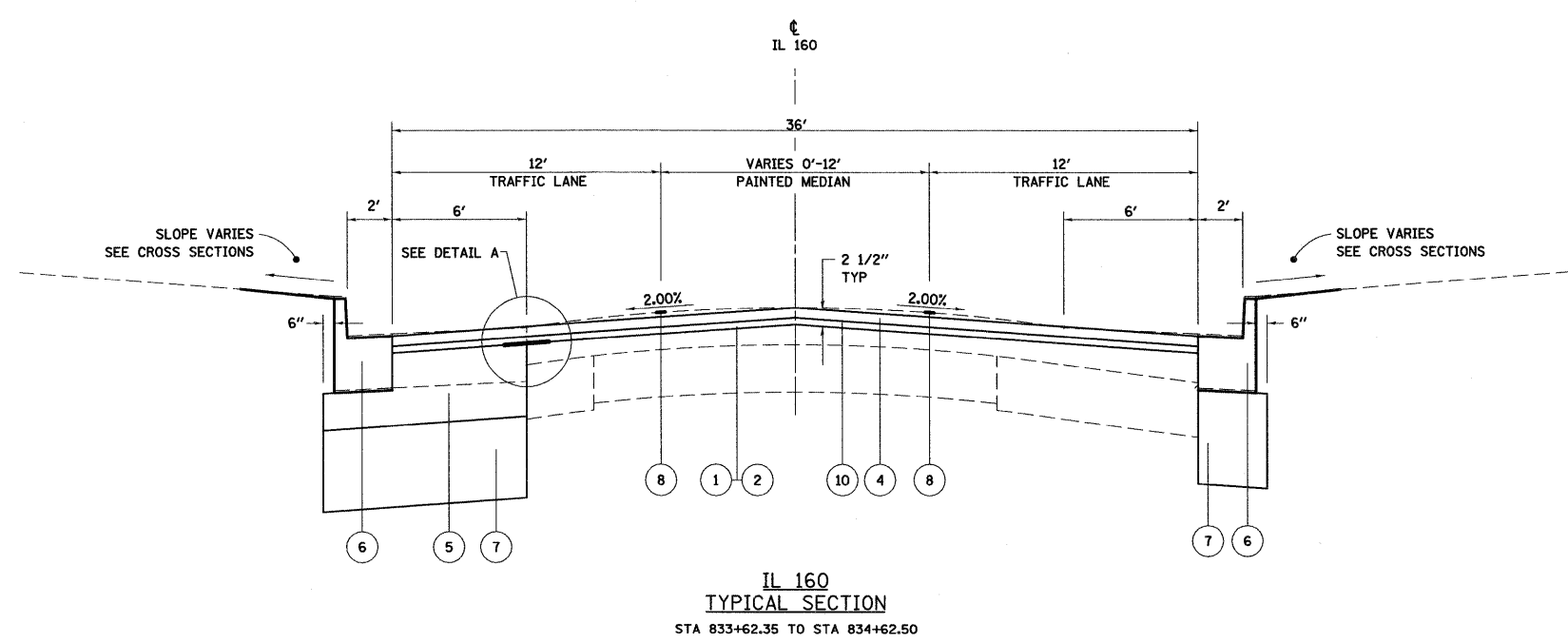
EDGE OF PAVEMENT CONTROLLED  
BY SLOPE (1.5%) FROM CL

NOTE:  
PAVEMENT CROSS SLOPES INDICATED ON THE  
EXISTING TYPICAL SECTIONS REFLECT  
PROPOSED CROSS SLOPES AND ARE INDICATED  
TO CONTROL HOT-MIX ASPHALT SURFACE  
REMOVAL OPERATIONS.

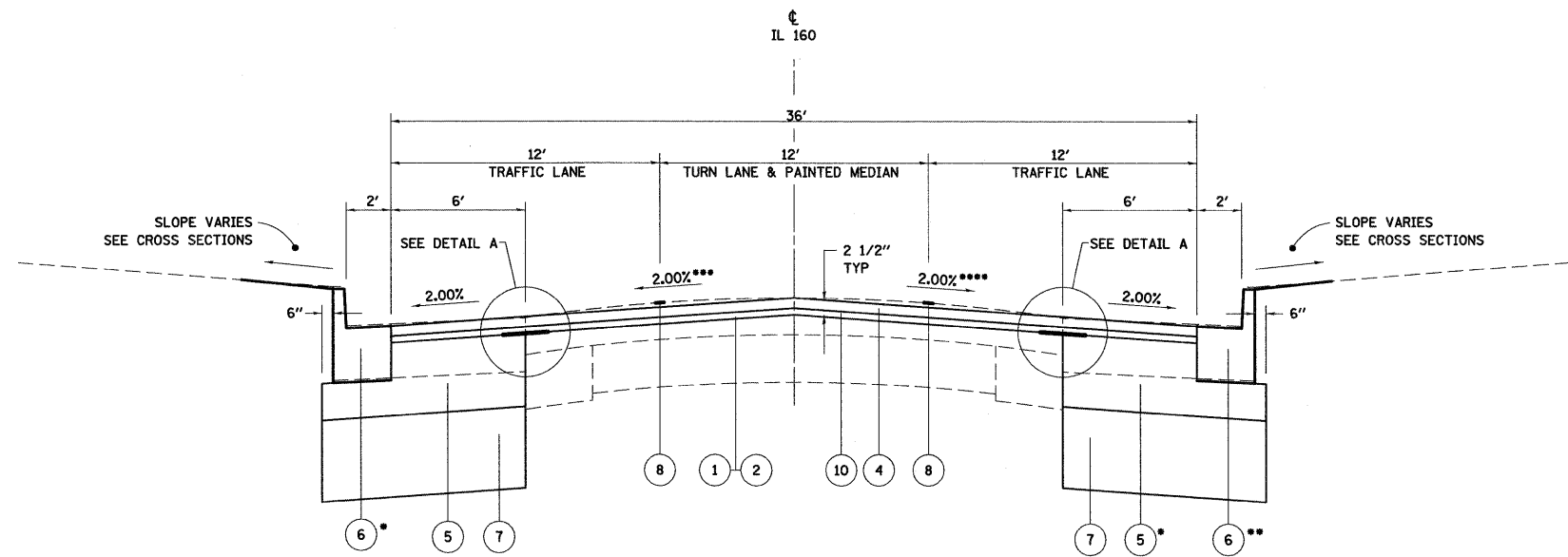
FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING TYPICAL SECTIONS - IL RTE 160 SB (NEW TRENTON RD.)</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 9	
#FILEL#		DRAWN - WJS	REVISED -			SCALE: SHEET NO. 5 OF 5 SHEETS STA. TO STA.			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
		CHECKED - BRM	REVISED -			<b>CONTRACT NO. 76C35</b>					
		DATE - 9-26-08	REVISED -								



- PROPOSED LEGEND**
- ① PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
  - ② PROPOSED AGGREGATE PRIME COAT
  - ③ PROPOSED LEVELING BINDER (MACHINE METHOD) N70, 3/4" AND VARIES (1/2" TO 2 1/2")
  - ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE N70, 1 1/2" AND VARIES
  - ⑤ PROPOSED HOT-MIX ASPHALT BASE COURSE, IL-19.0, N70, 11"
  - ⑥ PROPOSED CURB AND GUTTER, TYPE B-6.24
  - ⑦ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 12"
  - ⑧ PROPOSED PAVEMENT MARKING, LINE 4"
  - ⑨ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
  - ⑩ PROPOSED LEVELING BINDER (MACHINE METHOD) N70, 1"

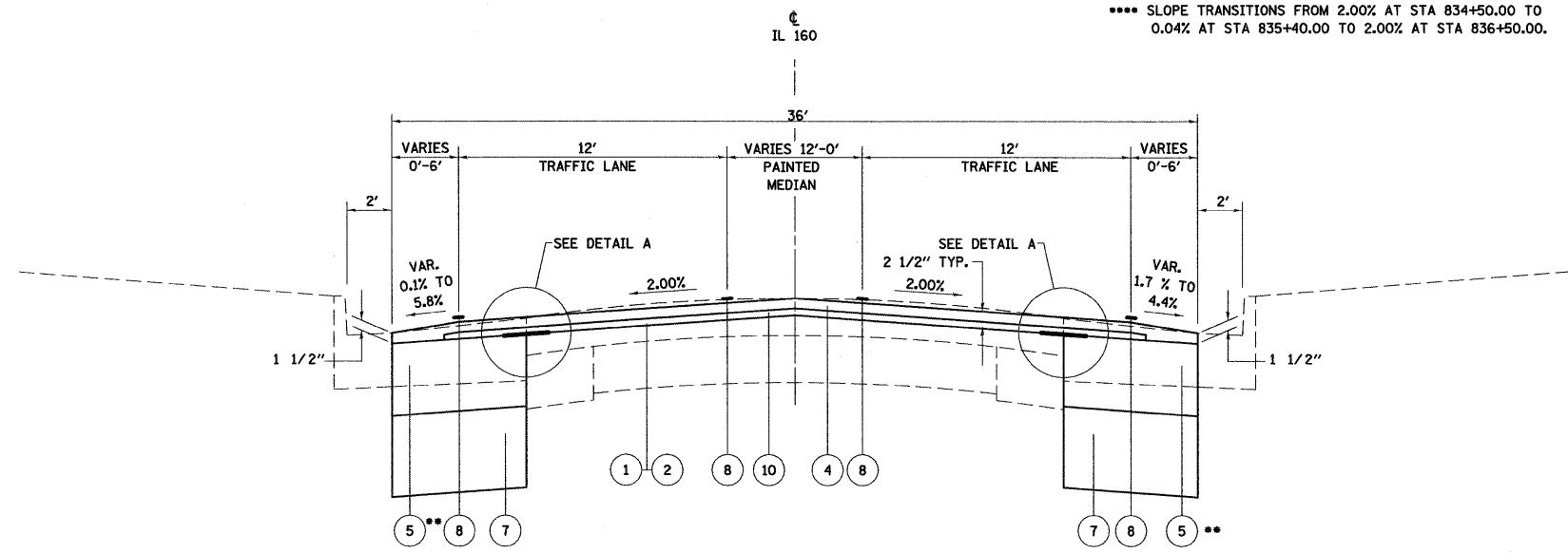


FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTIONS, IL ROUTE 160</b>			F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 10
®FILEL*	PLOT SCALE = 20.0000' / IN.	DRAWN - WJS	REVISED -					SCALE:	SHEET NO. 1 OF 6 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.
	PLOT DATE = 1/13/2009	CHECKED - BRM	REVISED -									
		DATE - 9-30-08	REVISED -									



IL 160  
TYPICAL SECTION  
STA 834+62.50 TO STA 838+70.15

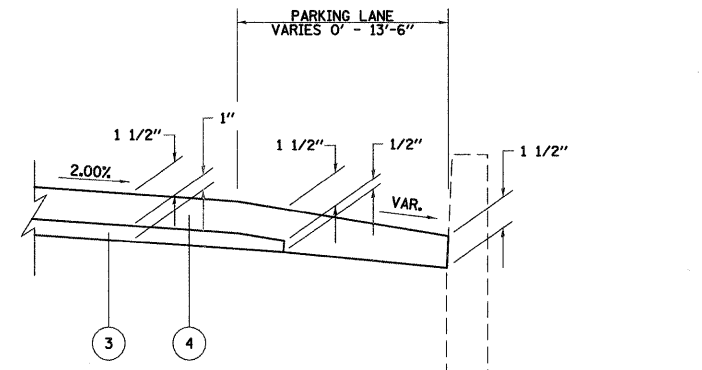
- PROPOSED HOT-MIX ASPHALT BASE COURSE BEGINS: STA 835+89 RT
- PROPOSED CURB AND GUTTER ENDS: STA. 837+50 RT  
STA. 838+30 LT
- SLOPE TRANSITIONS FROM 2.00% AT STA 835+10.00 TO 0.16% AT STA 835+40.00 TO 2.00% AT STA 835+70.00.  
SLOPE TRANSITIONS FROM 2.00% AT STA 838+20.00 TO 1.00% AT STA 838+66.09 TO 2.00% AT STA 839+00.00.
- SLOPE TRANSITIONS FROM 2.00% AT STA 834+50.00 TO 0.04% AT STA 835+40.00 TO 2.00% AT STA 836+50.00.



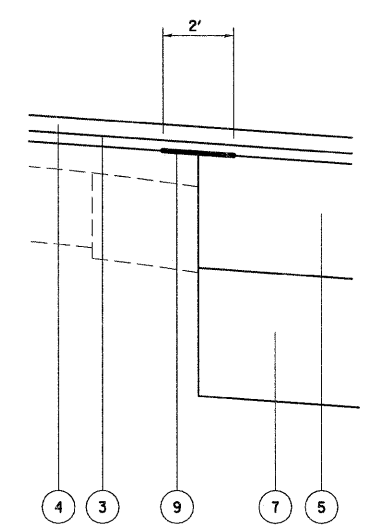
IL 160  
TYPICAL SECTION  
STA 838+70.15 TO STA 840+70

- PROPOSED HOT-MIX ASPHALT BASE COURSE ENDS STATION 840+00.00

- PROPOSED LEGEND**
- 1 PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
  - 2 PROPOSED AGGREGATE PRIME COAT
  - 3 PROPOSED LEVELING BINDER (MACHINE METHOD) N70, 3/4" AND VARIES (1/2" TO 2 1/2")
  - 4 PROPOSED HOT-MIX ASPHALT SURFACE COURSE N70, 1 1/2" AND VARIES
  - 5 PROPOSED HOT-MIX ASPHALT BASE COURSE, IL-19.0, N70, 11"
  - 6 PROPOSED CURB AND GUTTER, TYPE B-6.24
  - 7 PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 12"
  - 8 PROPOSED PAVEMENT MARKING, LINE 4"
  - 9 PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
  - 10 PROPOSED LEVELING BINDER (MACHINE METHOD) N70, 1"

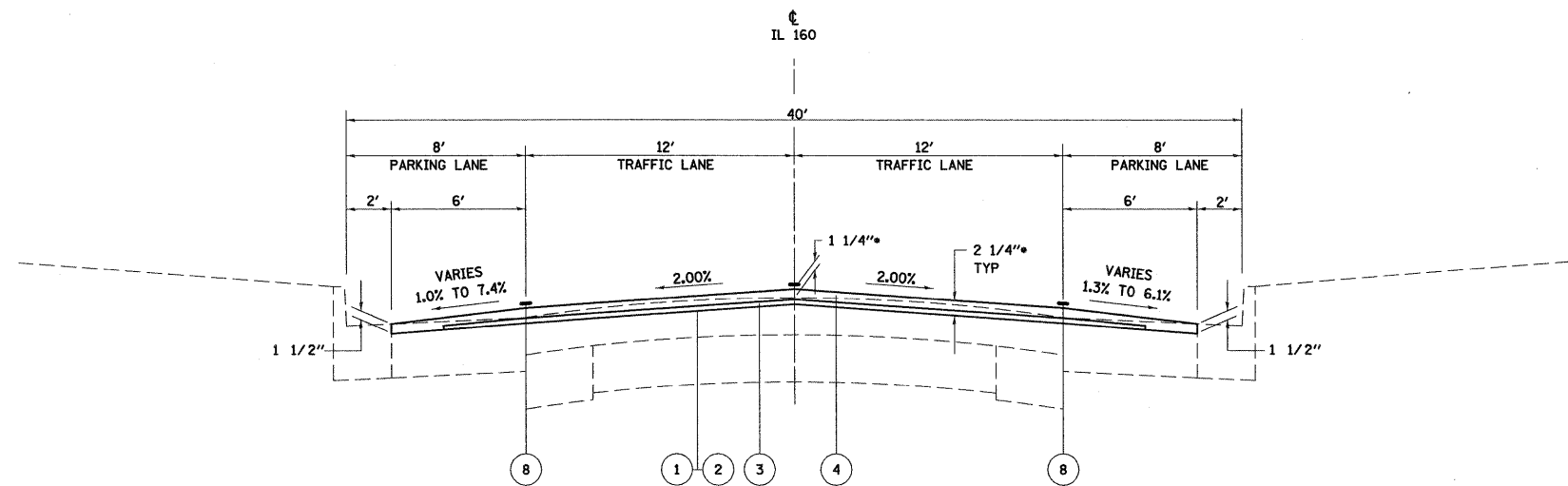


APPLICATION OF RESURFACING  
OF PARKING LANES / SHOULDERS  
FOR THIS SECTION



DETAIL A

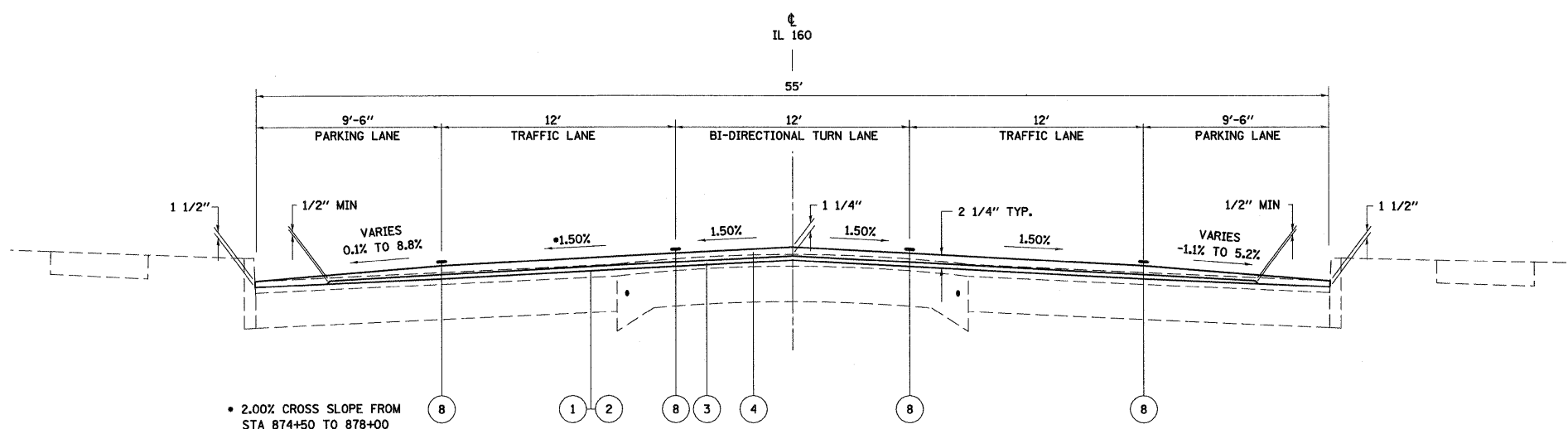
FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTIONS, IL ROUTE 160</b>			F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 11
*FILEL*	PLOT SCALE = 20,000 ' / IN.	DRAWN - WJS	REVISED -					SCALE:	SHEET NO. 2 OF 6 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
	PLOT DATE = 1/13/2009	CHECKED - BRM	REVISED -					<b>CONTRACT NO. 76C35</b>				
		DATE - 9-30-08	REVISED -									



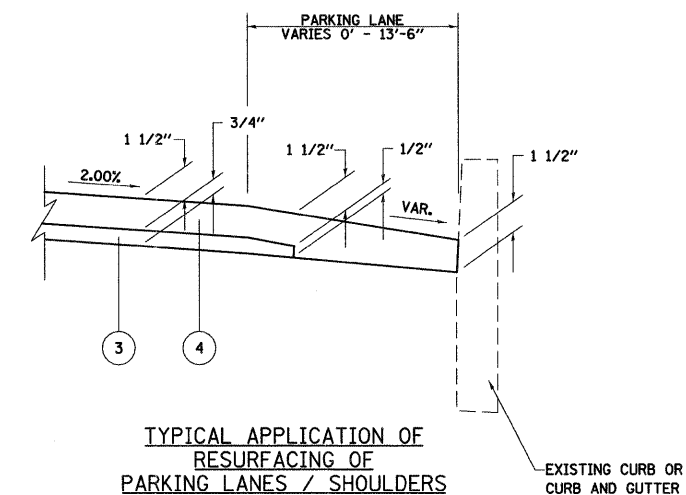
IL 160  
TYPICAL SECTION  
STA 840+70 TO STA 849+56

• FROM STATION 840+70 TO 841+20  
TRANSITION PGL FROM 0" TO 1 1/4" AND  
LEVELING BINDER FROM 1" TO 3/4"

- PROPOSED LEGEND**
- ① PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
  - ② PROPOSED AGGREGATE PRIME COAT
  - ③ PROPOSED LEVELING BINDER (MACHINE METHOD) N70, 3/4" AND VARIES (1/2" TO 2 1/2")
  - ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE N70, 1 1/2" AND VARIES
  - ⑤ PROPOSED HOT-MIX ASPHALT BASE COURSE, IL-19.0, N70, 11"
  - ⑥ PROPOSED CURB AND GUTTER, TYPE B-6.24
  - ⑦ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 12"
  - ⑧ PROPOSED PAVEMENT MARKING, LINE 4"
  - ⑨ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
  - ⑩ PROPOSED LEVELING BINDER (MACHINE METHOD) N70, 1"



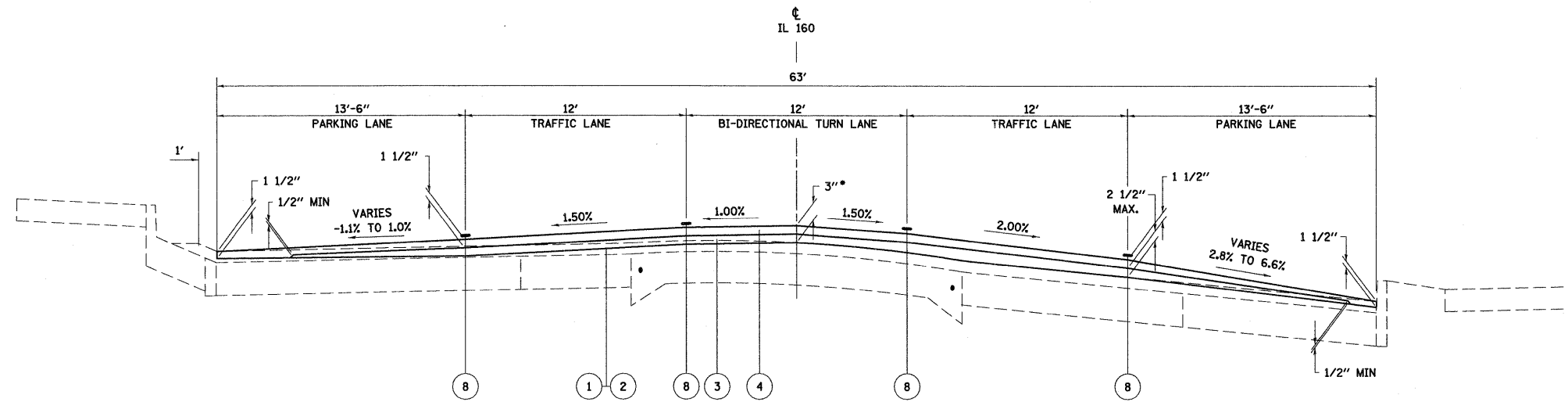
IL 160  
TYPICAL SECTION  
STA 849+56 TO STA 860+30.00  
STA 871+12 TO STA 885+27.84



TYPICAL APPLICATION OF  
RESURFACING OF  
PARKING LANES / SHOULDERS

EXISTING CURB OR  
CURB AND GUTTER

FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTIONS, IL ROUTE 160</b>			F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 12
FILEL#	PLOT SCALE = 20.0000' / IN.	DRAWN - WJS	REVISED -					SCALE:	SHEET NO. 3 OF 6 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
	PLOT DATE = 1/13/2009	CHECKED - BRM	REVISED -									
		DATE - 9-30-08	REVISED -									

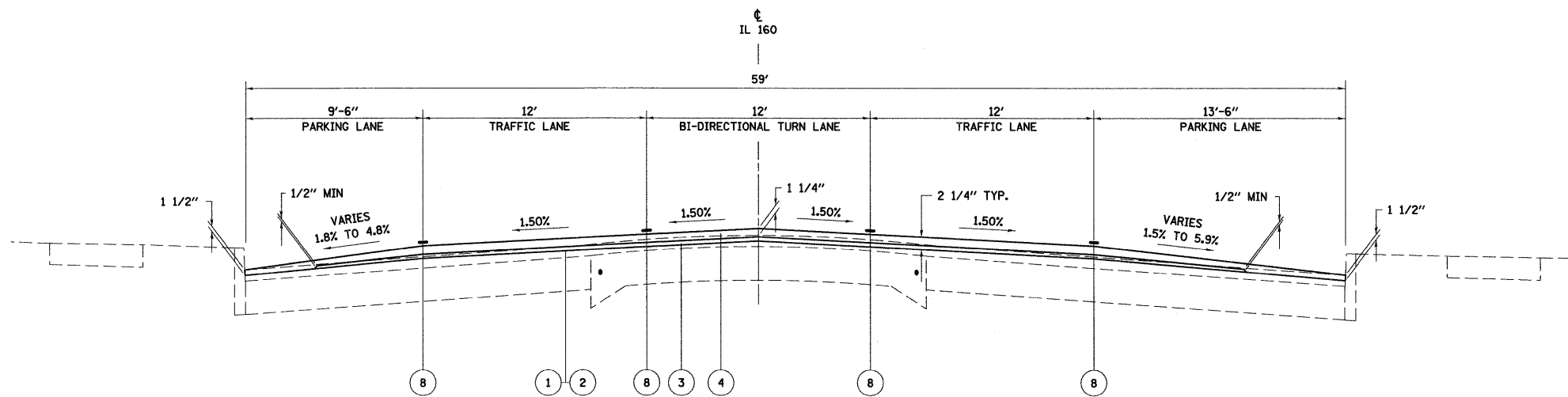


IL 160  
TYPICAL SECTION  
STA 860+30 TO STA 863+90

• FROM STATION 860+00.00 TO 860+30.00  
TRANSITION PGL FROM 1 1/4" TO 3" AND  
FROM STATION 863+60.00 TO 863+90.00  
TRANSITION PGL FROM 3" TO 1 1/4".

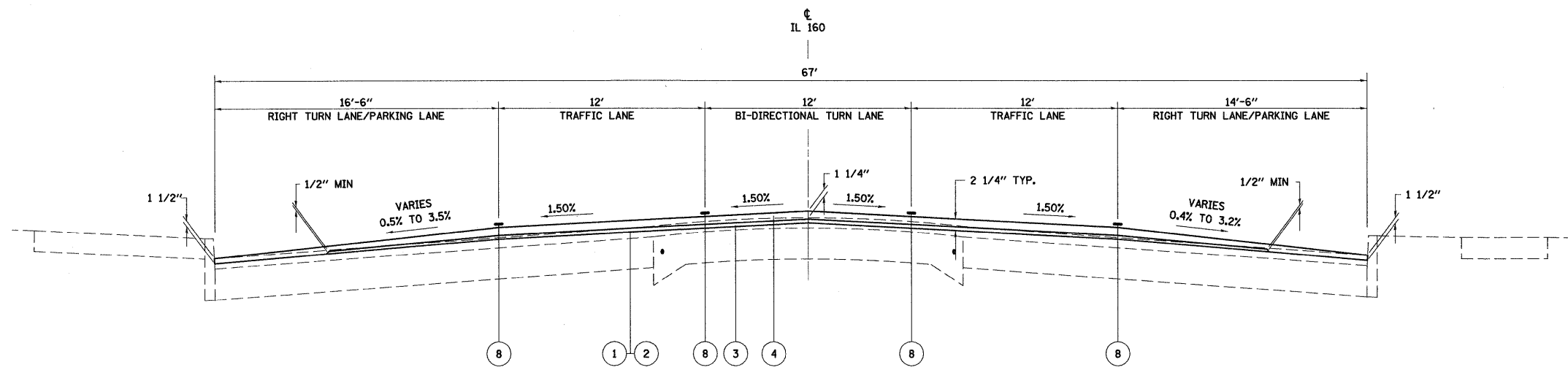
PROPOSED LEGEND

- ① PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ② PROPOSED AGGREGATE PRIME COAT
- ③ PROPOSED LEVELING BINDER (MACHINE METHOD) N70, 3/4" AND VARIES (1/2" TO 2 1/2")
- ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE N70, 1 1/2" AND VARIES
- ⑤ PROPOSED HOT-MIX ASPHALT BASE COURSE, IL-19.0, N70, 11"
- ⑥ PROPOSED CURB AND GUTTER, TYPE B-6.24
- ⑦ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 12"
- ⑧ PROPOSED PAVEMENT MARKING, LINE 4"
- ⑨ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑩ PROPOSED LEVELING BINDER (MACHINE METHOD) N70, 1"



IL 160  
TYPICAL SECTION  
STA 863+90 TO STA 867+53

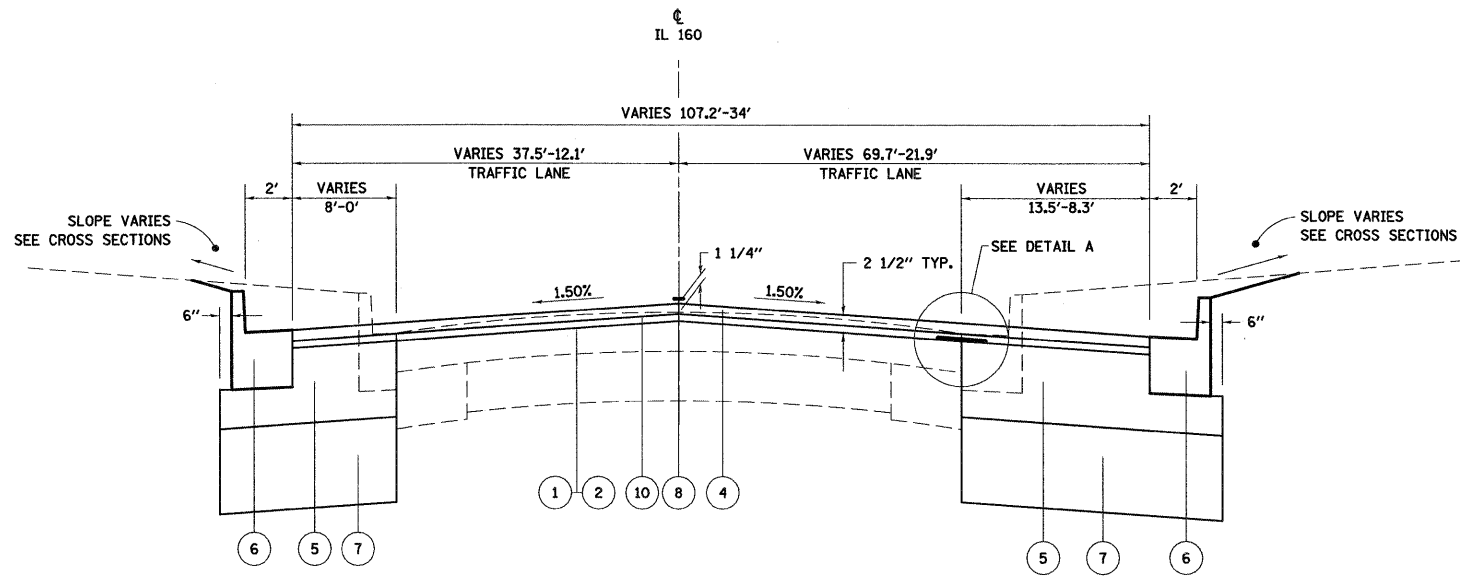
FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTIONS, IL ROUTE 160</b>			F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 13
®FILEL*	PLOT SCALE = 20,0000' / IN.	DRAWN - WJS	REVISED -					SCALE:	SHEET NO. 4 OF 6 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
	PLOT DATE = 1/13/2009	CHECKED - BRM	REVISED -									
		DATE - 9-30-08	REVISED -									



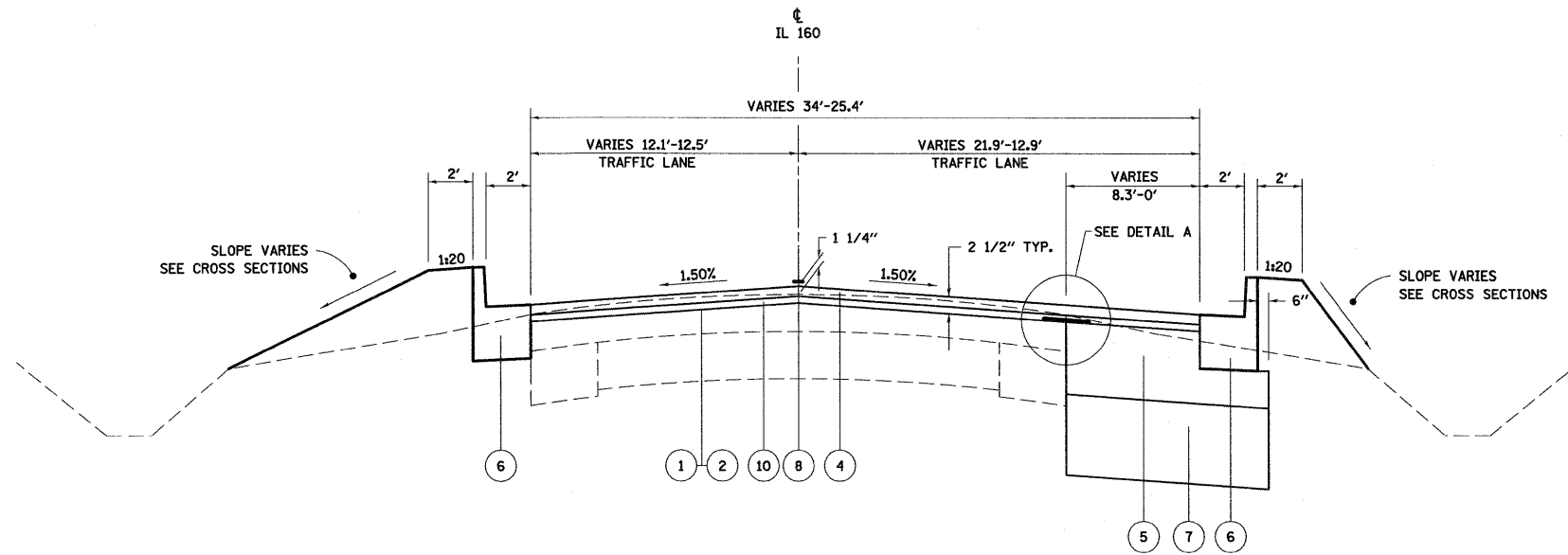
- PROPOSED LEGEND**
- ① PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
  - ② PROPOSED AGGREGATE PRIME COAT
  - ③ PROPOSED LEVELING BINDER (MACHINE METHOD) N70, 3/4" AND VARIES (1/2" TO 2 1/2")
  - ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE N70, 1 1/2" AND VARIES
  - ⑤ PROPOSED HOT-MIX ASPHALT BASE COURSE, IL-19.0, N70, 11"
  - ⑥ PROPOSED CURB AND GUTTER, TYPE B-6.24
  - ⑦ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 12"
  - ⑧ PROPOSED PAVEMENT MARKING, LINE 4"
  - ⑨ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
  - ⑩ PROPOSED LEVELING BINDER (MACHINE METHOD) N70, 1"

IL 160  
TYPICAL SECTION  
STA 867+53 TO STA 871+12

FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTIONS, IL ROUTE 160</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL*		DRAWN - WJS	REVISED -					690	41X-RS-1	MADISON	58	14
	PLOT SCALE = 20.0000' / IN.	CHECKED - BRM	REVISED -		SCALE: SHEET NO. 5 OF 6 SHEETS STA. TO STA.			CONTRACT NO. 76C35				
	PLOT DATE = 1/13/2009	DATE - 9-30-08	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

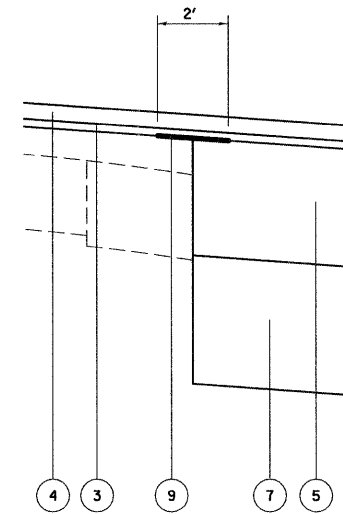


IL 160 SB (NEW TRENTON RD)  
TYPICAL SECTION  
STA 8+79.40 TO STA 9+48.31



IL 160 SB (NEW TRENTON RD)  
TYPICAL SECTION  
STA 9+48.31 TO STA 10+07.28

- PROPOSED LEGEND**
- ① PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
  - ② PROPOSED AGGREGATE PRIME COAT
  - ③ PROPOSED LEVELING BINDER (MACHINE METHOD) N70, 3/4" AND VARIES (1/2" TO 2 1/2")
  - ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE N70, 1 1/2" AND VARIES
  - ⑤ PROPOSED HOT-MIX ASPHALT BASE COURSE, IL-19.0, N70, 11"
  - ⑥ PROPOSED CURB AND GUTTER, TYPE B-6.24
  - ⑦ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 12"
  - ⑧ PROPOSED PAVEMENT MARKING, LINE 4"
  - ⑨ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
  - ⑩ PROPOSED LEVELING BINDER (MACHINE METHOD) N70, 1"



DETAIL A

FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTIONS - IL RTE 160 SB (NEW TRENTON RD.)</b>		F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 15
*FILEL*	PLOT SCALE = 20,0000' / IN.	DRAWN - WJS	REVISED -				SCALE:	SHEET NO. 6 OF 6 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT
	PLOT DATE = 1/13/2009	CHECKED - BRM	REVISED -								
		DATE - 9-26-08	REVISED -								



**PAVEMENT SCHEDULE**

LOCATION		SUB-BASE GRANULAR MATERIAL, TYPE A 12" (SQ YD)	HOT-MIX ASPHALT BASE COURSE, 11" (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) (TON)	AGGREGATE (PRIME COAT) (TON)	LEVELING BINDER (MACHINE METHOD), N70 (TON)	TEMPORARY RAMP (SQ YD)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (TON)	HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH (SQ YD)	PAVED SHOULDER REMOVAL (SQ YD)	STRIP REFLECTIVE CRACK CONTROL TREATMENT (FOOT)
<b>ROADWAY</b>											
831+92.50 TO 832+22.50	BROADWAY			0.12	0.20	0.94	13.2	7.43	79.43		
832+22.50 TO 835+37.40	BROADWAY	325.5	119.5	1.68	2.69	60.21		90.32	959.25	40	279
835+37.40 TO 838+66.09	BROADWAY	510.4	369.7	2.06	3.29	73.63		110.44	966.61	437	528
838+66.09 TO 841+93.02	BROADWAY	153.1	153.3	1.67	2.68	56.76		90.11	919.28	65	230
841+93.02 TO 849+52.02	BROADWAY			3.31	5.28	86.06		178.38	2116.03		
849+52.02 TO 853+06.30	BROADWAY			2.17	3.47	54.86		117.91	1389.65		
853+06.30 TO 856+68.39	BROADWAY			2.46	3.93	62.55		133.10	1571.00		
856+68.39 TO 860+29.50	BROADWAY			2.52	4.02	63.17		136.55	1608.31		
860+29.50 TO 863+91.27	BROADWAY			2.58	4.12	135.38		139.74	1648.67		
863+91.27 TO 867+53.17	BROADWAY			2.58	4.13	63.44		140.73	1651.74		
867+53.17 TO 871+13.17	BROADWAY			2.51	4.01	62.65		136.47	1605.70		
871+13.17 TO 874+75.78	BROADWAY			2.46	3.93	62.77		133.22	1573.00		
874+75.78 TO 878+38.91	BROADWAY			2.49	3.99	63.72		135.00	1594.30		
878+38.91 TO 882+00.77	BROADWAY			2.48	3.96	62.82		134.27	1583.61		
882+00.77 TO 885+02.84	BROADWAY			2.02	3.22	51.61		107.25	1369.98		
885+02.84 TO 885+27.84	BROADWAY			0.15	0.25	1.18	20.00	9.33			
8+64.50 TO 10+12.76	IL ROUTE 160 (SOUTH)	225.8	118.8	0.97	1.56	26.17		52.33	475.07		162
10+12.76 TO 10+42.76	IL ROUTE 160 (SOUTH)			0.13	0.21	1.00		14.30	85.42		
<b>SIDERoads</b>				2.2	3.47	381.17		120.59	1380.16		
<b>SUBTOTALS FOR ROADWAYS</b>		1214.8	761.3	36.6	58.4	988.9	428.7	1981.1	22577.2	542	1199
<b>PARKING LANES</b>											
840+00.00 TO 841+93.02	BROADWAY			0.37	0.61	4.39		21.76	233.38		
841+93.02 TO 849+52.02	BROADWAY			1.49	2.39	11.19		88.79	947.36		
849+52.02 TO 853+06.30	BROADWAY			1.20	1.91	10.01		70.37	764.74		
853+06.30 TO 856+68.39	BROADWAY			1.00	1.56	7.56		59.88	641.78		
856+68.39 TO 860+29.50	BROADWAY			0.97	1.55	7.30		57.86	619.91		
860+29.50 TO 863+91.27	BROADWAY			1.69	2.66	41.99		95.40	1077.18		
863+91.27 TO 867+53.17	BROADWAY			1.05	1.70	7.86		62.34	668.13		
867+53.17 TO 871+13.17	BROADWAY			1.61	2.59	12.16		96.55	1035.77		
871+13.17 TO 874+75.78	BROADWAY			1.06	1.69	9.86		62.76	676.12		
874+75.78 TO 878+38.91	BROADWAY			0.97	1.56	13.21		57.10	624.78		
878+38.91 TO 882+00.77	BROADWAY			0.99	1.58	7.39		58.57	627.59		
882+00.77 TO 885+27.84	BROADWAY			0.92	1.48	6.98		55.40	628.77		
<b>SUBTOTAL FOR PARKING LANES</b>				13.3	21.3	139.9		787.4	8545.5		
<b>SUBTOTAL</b>		1214.8	761.3	49.9	79.7	1128.8	428.7	2768.5	31122.7	542	1199
<b>PAY TOTAL</b>		1215	762	49.9	80	1129	429	2769	31123	542	1199

**ENTRANCE SCHEDULE**

LOCATION		AGGREGATE FOR TEMPORARY ACCESS (TON)	INCIDENTAL HOT-MIX ASPHALT SURFACING (TON)	DRIVEWAY PAVEMENT REMOVAL (SQ YD)
STATION	SIDE			
833+17.10	LT	5.0	5.1	37.0
833+73.30	LT	5.0	2.6	24.3
833+91.80	RT	10.0	9.8	32.9
837+02.70	LT	5.0	2.0	4.6
837+87.30	LT	8.0	9.2	20.5
838+22.10	LT	8.4	5.5	11.7
<b>SUBTOTAL</b>		35.3	40.5	131.0
<b>PAY TOTAL</b>		36	41	131

**EARTHWORK SCHEDULE**

LOCATION	EARTH EXCAVATION (CU YD)	FOR INFORMATION ONLY			REMARKS
		EARTH EXCAVATION ADJUSTED FOR SHRINKAGE 25% (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	
<b>BROADWAY</b>					
832+00.00 TO 841+00.00	451	361	184	177	
<b>IL ROUTE 160 (SOUTH)</b>					
9+00.00 TO 10+12.76	168	134	19	115	
<b>SUBTOTAL</b>	619	495	203	292	
<b>PAY TOTAL</b>	620	495	205	290*	

\* EXCESS MATERIAL TO BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

**CURB AND SIDEWALK SCHEDULE**

LOCATION	PROTECTIVE COAT (SQ YD)	COMBINATION CURB AND GUTTER REMOVAL (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6,24 (FOOT)	CURB REMOVAL AND REPLACEMENT (FOOT)	SIDEWALK REMOVAL AND REPLACEMENT (SQ FT)
<b>BROADWAY</b>					
832+22.50 TO 834+63.30	96	101	240.8		
832+22.50 TO 835+00.00	106	113	277.5		
834+63.30 TO 834+72.40	2		9.1		
835+00.00 TO 835+06.50	1		6.5		
835+06.50 TO 835+19.40	4	13	12.6		
835+19.40 TO 835+72.70	4	12	11.6		
835+72.70 TO 835+78.80	1		6.1		
835+78.80 TO 836+84.00	36	105	105.2		
836+20.10 TO 836+40.46	7	75	20.5		
836+40.46 TO 836+49.80	2		9.3		
836+49.80 TO 836+82.80	11		33.0		
836+82.80 TO 836+91.80	2		9.0		
836+84.00 TO 836+93.10	2		9.1		
836+91.80 TO 837+50.00	20	58	58.2		
836+93.10 TO 838+30.00	47	137	136.9		
854+33 TO 854+48	2			15	
855+70 TO 856+40	24			70	140
858+23 TO 858+33	1			10	
861+98 TO 862+03	2			5	10
867+82 TO 868+12	10			30	60
868+90 TO 868+95	1			5	
869+50 TO 870+05	18			55	110
870+38 TO 870+63	9			25	50
872+63 TO 873+18	18			55	110
872+95 TO 873+15	2			20	
876+64 TO 877+99	45			135	270
880+52 TO 880+72	2			20	
882+87 TO 882+97	1			10	
<b>IL ROUTE 160 (SOUTH)</b>					
8+60.20 TO 10+12.76	64	103	182.3		
9+04.20 TO 10+12.76	50	79	133.6		
<b>TOTAL</b>	590	796	1261.3	455	750
<b>ROUNDED TOTAL</b>	590	796	1261.5	455	750

**PATCHING SCHEDULE**

LOCATION	CLASS D PATCHES, TYPE I, 15 INCH (SQ YD)	CLASS D PATCHES, TYPE II, 15 INCH (SQ YD)	CLASS D PATCHES, TYPE III, 15 INCH (SQ YD)
<b>BROADWAY</b>			
855+30	10	8	8.9
856+30	6	6	4.0
856+50	8	12	10.7
858+30	6	12	8.0
860+25	12	12	16.0
860+25 (PARKING LN)	12	8	10.7
860+25	6	12	8.0
862+30	6	12	8.0
863+90	6	18	12.0
863+90 (PARKING LN)	6	22	14.7
863+90	18	6	12.0
866+60	6	12	8.0
866+90	6	12	8.0
867+70	8	12	10.7
867+70 (PARKING LN)	8	6	5.3
871+50	6	12	8.0
874+40	30	6	20.0
876+50	10	12	13.3
878+35	6	6	4.0
879+80	10	6	6.7
879+90	12	12	16.0
879+90	15	6	10.0
<b>SUBTOTAL</b>	8.0	163.0	52.0
25% ANTICIPATED FAILURE	2.0	41.0	13.0
<b>TOTAL</b>	10	204	65

**EROSION CONTROL SCHEDULE**

LOCATION	TEMPORARY EROSION CONTROL SEEDING (POUND)	PERIMETER EROSION BARRIER (FOOT)	INLET AND PIPE PROTECTION (EACH)
<b>BROADWAY</b>			
832+00.00 TO 833+25.00		125	
832+00.00 TO 832+30.75		31	
832+00.00 TO 837+50.00	15		
832+00.00 TO 838+13.09	11		
832+10.00			1
832+10.00			1
832+33.75			1
832+33.75			1
832+36.75 TO 832+95.00		59	
832+57.08			1
833+19.86			1
833+65.68			1
833+87.24			1
834+68.02			1
835+03.09			1
835+75.85			1
836+45.23			1
836+87.81			1
836+88.62			1
<b>IL ROUTE 160 (SOUTH)</b>			
8+70.00 TO 9+50.00		93	
8+74.28 TO 10+12.76	9		
9+06.57 TO 10+12.76	5		
9+58.10			1
9+84.57			1
<b>SUBTOTAL</b>	40	308	16
<b>TOTAL</b>	40	308	16

**TEMPORARY PAVEMENT MARKING SCHEDULE**

LOCATION	SHORT-TERM PAVEMENT MARKING		TEMPORARY PAVEMENT MARKING - LETTERS & SYMBOLS 1 APP (SQ FT)	TEMPORARY PAVEMENT MARKING - LINE 4"			TEMPORARY PAVEMENT MARKING - LINE 6"		TEMPORARY PAVEMENT MARKING - LINE 12"		WORK ZONE PAVEMENT MARKING REMOVAL (SQ FT)
	YELLOW 4 APPS (FOOT)	WHITE 4 APPS (FOOT)		SOLID YELLOW 1 APP (FOOT)	SKIP DASH YELLOW 1 APP (FOOT)	SOLID WHITE 1 APP (FOOT)	SOLID WHITE 1 APP (FOOT)	SOLID YELLOW 1 APP (FOOT)	SOLID WHITE 1 APP (FOOT)		
BROADWAY											
827+22.50 TO 832+22.50				500.0	130.0						210.0
832+22.50 TO 835+37.40	116.4			1175.6				88.4	13.1		503.0
835+37.40 TO 838+66.09	113.2		31.2	759.1		115.0		39.8			371.8
838+66.09 TO 841+93.02	130.8			960.4				65.3			566.0
841+93.02 TO 849+52.02	506.8			1810.0		1548.5					1161.8
849+52.02 TO 853+06.30	520.0		31.2	968.6	60.0	593.0	170.2	54.0			754.2
853+06.30 TO 856+68.39	486.4			62.4	608.0	160.0	525.5		331.3		700.0
856+68.39 TO 860+29.50	327.2	41.6	62.4	598.0	60.0	433.0	343.5		33.5		662.1
860+29.50 TO 863+91.27	318.8	82.4	62.4	859.1		862.0	411.6	62.7	89.2		1027.4
863+91.27 TO 867+53.17	236.8	123.6	93.6	597.7		882.0	348.0		70.8		862.0
867+53.17 TO 871+13.17	367.2	83.2	93.6	596.0	60.0	887.0	281.3		40.5		826.8
871+13.17 TO 874+75.78	488.0		62.4	610.0	160.0	325.5	376.0				656.5
874+75.78 TO 878+38.91	324.8	40.8	62.4	600.0	60.0	671.0	342.9		44.6		752.6
878+38.91 TO 882+00.77	328.4	40.4	62.4	602.0	80.0	475.5	366.6		53.4		715.8
882+00.77 TO 885+27.84	401.2		31.2	969.4	60.0	683.5	167.7				719.7
IL ROUTE 160 (SOUTH)											
9+00.00 TO 10+42.76	114.4			285.5					19.1		123.8
<b>SUBTOTAL</b>	4780.4	412.0	655.2	12499.4	830.0	8510.3	3139.1	310.2	364.2		10613.5
<b>PAY TOTAL</b>	<b>5193</b>		<b>656</b>	<b>21840</b>		<b>3140</b>		<b>675</b>			<b>10614</b>

**DRAINAGE SCHEDULE**

LOCATION			STRUCTURE NUMBER	VALVE BOXES TO BE ADJUSTED (EACH)	FRAMES AND GRATES TO BE ADJUSTED (EACH)
STATION	OFFSET	SIDE			
835+47	36.9	LT	8	1	
849+68	28.2	LT	9		1
849+91	15.4	LT	10	1	
850+16	16.6	LT	11	1	
856+56	34.4	LT	12		1
856+69	1.1	LT	13		1
861+75	38.0	LT	14	1	
861+77	38.1	LT	15	1	
862+23	35.8	LT	16		1
862+23	21.0	LT	17		1
863+60	14.8	LT	18	1	
863+63	31.5	LT	19		1
863+93	0.6	LT	20		1
864+01	22.6	LT	21		1
864+29	24.3	LT	22	1	
867+21	14.0	LT	23	1	
867+54	26.7	LT	24		1
867+61	15.6	LT	25	1	
867+69	31.7	RT	26		1
867+75	11.7	LT	27	1	
867+76	37.3	RT	28		1
869+27	0.5	LT	29		1
869+84	30.0	RT	30		1
871+31	27.8	RT	31		1
871+36	32.8	LT	32	1	
872+40	15.8	LT	33	1	
874+45	14.9	LT	34	1	
874+60	11.0	LT	35	1	
874+76	0.1	LT	36		1
875+07	15.3	LT	37	1	
878+23	31.5	RT	38		1
<b>TOTAL</b>				<b>15</b>	<b>16</b>

**PERMANENT PAVEMENT MARKING SCHEDULE**

LOCATION	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (SQ FT)	THERMOPLASTIC PAVEMENT MARKING - LINE 4"			THERMOPLASTIC PAVEMENT MARKING - LINE 6"		THERMOPLASTIC PAVEMENT MARKING - LINE 12"		RAISED REFLECTIVE PAVEMENT MARKER (EACH)	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (EACH)	BITUMINOUS PAVEMENT IMPRINTING (SQ YD)
		SOLID YELLOW (FOOT)	SKIP DASH YELLOW (FOOT)	SOLID WHITE (FOOT)	SOLID WHITE (FOOT)	SOLID YELLOW (FOOT)	SOLID WHITE (FOOT)				
BROADWAY											
827+22.50 TO 832+22.50		500.0	130.0								
832+22.50 TO 835+37.40		1175.6					88.4	13.1	20	4	
835+37.40 TO 838+66.09	31.2	759.1		115.0			39.8		12	5	
838+66.09 TO 841+93.02		960.4		508.8			65.3		12		
841+93.02 TO 849+52.02		1810.0		1548.5					11	9	
849+52.02 TO 853+06.30	31.2	968.6	60.0	593.0	170.2		54.0		16	12	52.9
853+06.30 TO 856+68.39	62.4	608.0	160.0	525.5	331.3				14	16	94.8
856+68.39 TO 860+29.50	62.4	598.0	60.0	433.0	343.5				13	11	97.7
860+29.50 TO 863+91.27	62.4	859.1		862.0	411.6		62.7	89.2	18	14	116.8
863+91.27 TO 867+53.17	93.6	597.7		882.0	348.0			70.8	17	17	96.5
867+53.17 TO 871+13.17	93.6	596.0	60.0	887.0	281.3			40.5	16	19	81.2
871+13.17 TO 874+75.78	62.4	610.0	160.0	325.5	376.0				16	16	107.4
874+75.78 TO 878+38.91	62.4	600.0	60.0	671.0	342.9			44.6	13	13	97
878+38.91 TO 882+00.77	62.4	602.0	80.0	475.5	366.6			53.4	13	16	104.4
882+00.77 TO 885+27.84	31.2	969.4	60.0	683.5	167.7				14	16	47.4
IL ROUTE 160 (SOUTH)											
9+00.00 TO 10+42.76		285.5						19.1	4		
<b>SUBTOTAL</b>	<b>655.2</b>	<b>12499.4</b>	<b>830.0</b>	<b>8510.3</b>	<b>3139.1</b>	<b>310.2</b>	<b>364.2</b>	<b>209</b>	<b>168</b>		<b>896.1</b>
<b>PAY TOTAL</b>	<b>656</b>		<b>21840</b>		<b>3140</b>		<b>675</b>	<b>209</b>	<b>168</b>		<b>897</b>

**SEEDING SCHEDULE**

LOCATION		SEEDING CLASS 2 (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	MULCH METHOD 2 (TON)
STATION TO STATION	SIDE					
BROADWAY						
832+00.00 TO 837+50.00	RT	0.15	13.5	13.5	13.5	0.30
832+00.00 TO 838+13.09	LT	0.11	9.9	9.9	9.9	0.22
IL ROUTE 160 (SOUTH)						
8+74.28 TO 10+12.76	LT	0.09	8.1	8.1	8.1	0.18
9+06.57 TO 10+12.76	RT	0.05	4.5	4.5	4.5	0.10
<b>TOTAL</b>		<b>0.40</b>	<b>36.0</b>	<b>36.0</b>	<b>36.0</b>	<b>0.80</b>
<b>PAY TOTAL</b>		<b>0.50</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>1</b>

**STORM SEWER SCHEDULE**

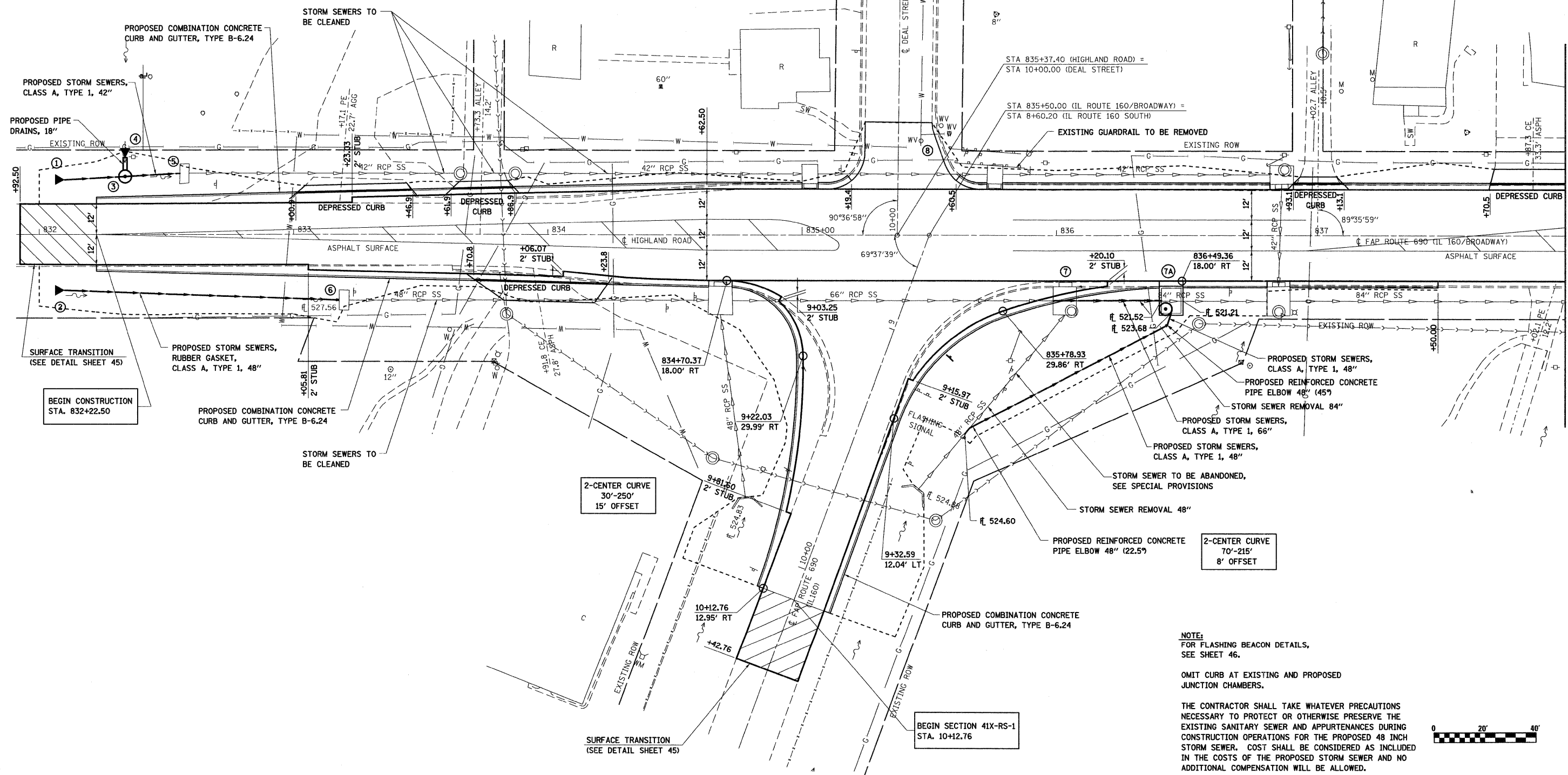
SN	STATION TO STATION	SN	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	METAL END SECTIONS 18"	REINFORCED CONCRETE PIPE ELBOW 48"	STORM SEWERS, CLASS A, TYPE 1 42"	STORM SEWERS, CLASS A, TYPE 1 48"	STORM SEWERS, CLASS A, TYPE 1 66"	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 48"	STORM SEWERS TO BE CLEANED (FOOT)	STORM SEWER REMOVAL 48"	STORM SEWER REMOVAL 84"	PIPE DRAINS 18"	MANHOLES, TYPE A, 6"-DIAMETER, TYPE 1 FRAME, CLOSED LID (EACH)	JUNCTION CHAMBER (EACH)	INLETS TO BE RECONSTRUCTED, SPECIAL (EACH)	REMOVE JUNCTION BOX (EACH)	
																			(EACH)
2	832+10.00 TO 833+19.86	6		1															
1	832+10.00 TO 832+33.75	3	1				22												
3	832+33.75 TO 832+57.08	4			1		19							5	1				
3	832+57.08 TO 835+00.00	5																241	
	833+19.86 TO 834+63.12																	141	
	835+64.00 TO 835+69.06					1													
	835+69.06 TO 836+40.96											81							
7	835+98.72 TO 836+45.13	7A							43				19						
	836+40.96 TO 836+44.53					1							42						1
7A	836+44.53 TO 836+45.13	7A							2										
	836+45.13 TO 837+50.00																		
<b>TOTAL</b>			<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>41</b>	<b>83</b>	<b>43</b>	<b>108</b>	<b>382</b>	<b>19</b>	<b>42</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	

**GUARDRAIL SCHEDULE**

LOCATION		GUARDRAIL REMOVAL (FOOT)
STATION	SIDE	
BROADWAY		
835+60.06 TO 835+87.51	LT	27.5
<b>SUBTOTAL</b>		<b>27.5</b>
<b>TOTAL</b>		<b>28</b>



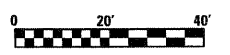
- ① STA. 832+10.00, 21.4' LT  
PROPOSED PRECAST REINFORCED  
CONCRETE FLARED END SECTIONS, 42"  
ELEV. 527.92
- ② STA. 832+10.00, 21.4' RT  
PROPOSED PRECAST REINFORCED  
CONCRETE FLARED END SECTIONS, 48"  
ELEV. 527.65
- ③ STA. 832+33.75, 22.63' LT  
PROPOSED MANHOLES, TYPE A, 6' DIAMETER,  
TYPE 1 FRAME, CLOSED LID  
W/ FLAT TOP SLAB  
GR. 531.66  
ELEV. 526.40
- ④ STA. 832+33.75, 30.00' LT  
PROPOSED METAL END SECTIONS, 18"  
ELEV. 529.00
- ⑤ STA. 832+57.08, 23.9' LT  
EXISTING INLET TO BE RECONSTRUCTED, SPECIAL  
GR. 530.98  
ELEV. 525.74
- ⑥ STA. 833+19.86, 26.00' RT  
EXISTING INLET TO BE RECONSTRUCTED, SPECIAL  
GR. 531.32  
ELEV. 525.12
- ⑦ STA. 836+03.23, 25.8' RT  
REMOVE EXISTING JUNCTION BOX
- ⑦A STA. 836+45.13, 25.74' RT  
PROPOSED JUNCTION CHAMBER  
SEE DETAIL SHEET 41-42  
GR. 531.86  
ELEV. (GUTTER) 530.78
- ⑧ STA. 835+47, 36.9' RT  
EXISTING VALVE BOX  
TO BE ADJUSTED



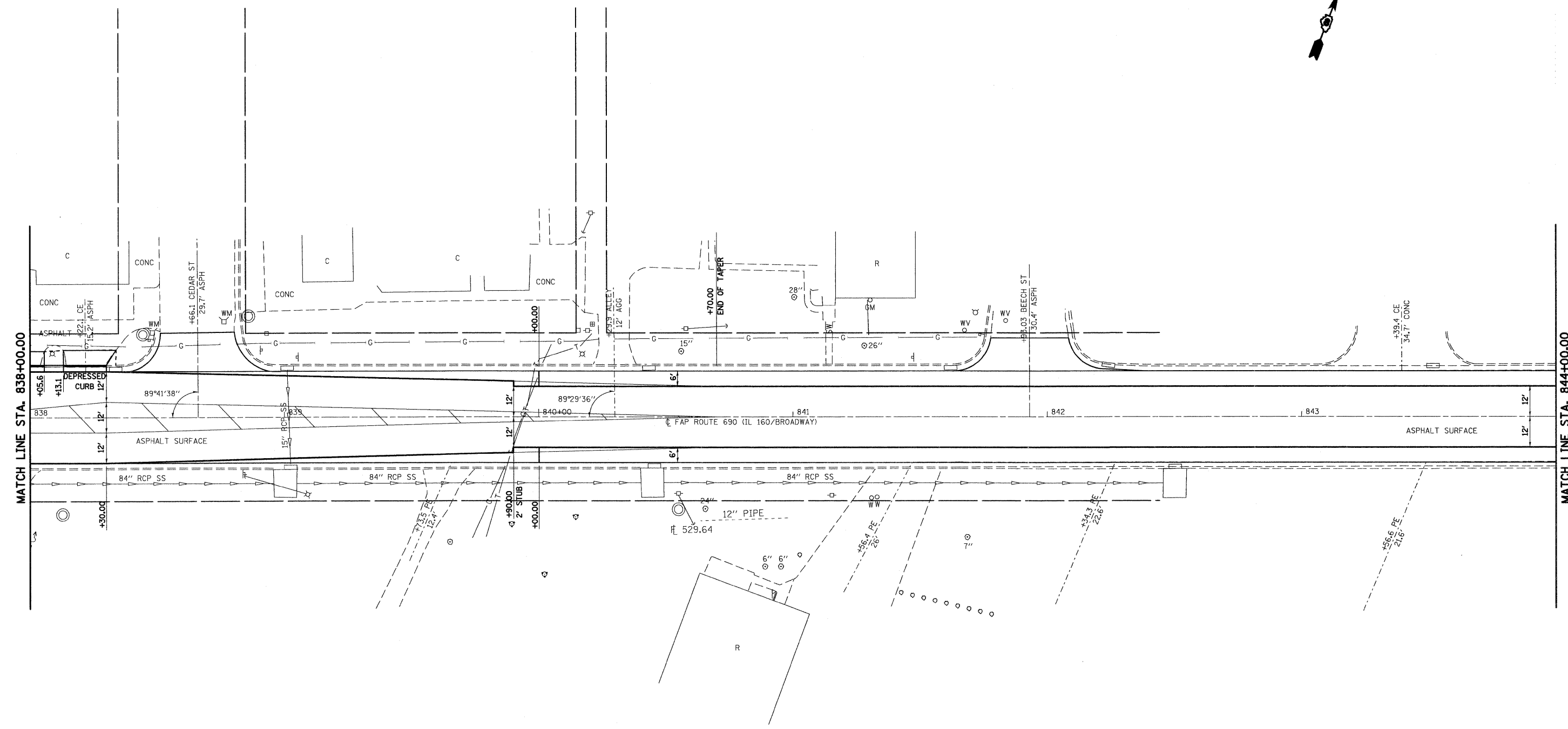
**NOTE:**  
FOR FLASHING BEACON DETAILS,  
SEE SHEET 46.

OMIT CURB AT EXISTING AND PROPOSED  
JUNCTION CHAMBERS.

THE CONTRACTOR SHALL TAKE WHATEVER PRECAUTIONS  
NECESSARY TO PROTECT OR OTHERWISE PRESERVE THE  
EXISTING SANITARY SEWER AND APPURTENANCES DURING  
CONSTRUCTION OPERATIONS FOR THE PROPOSED 48 INCH  
STORM SEWER. COST SHALL BE CONSIDERED AS INCLUDED  
IN THE COSTS OF THE PROPOSED STORM SEWER AND NO  
ADDITIONAL COMPENSATION WILL BE ALLOWED.

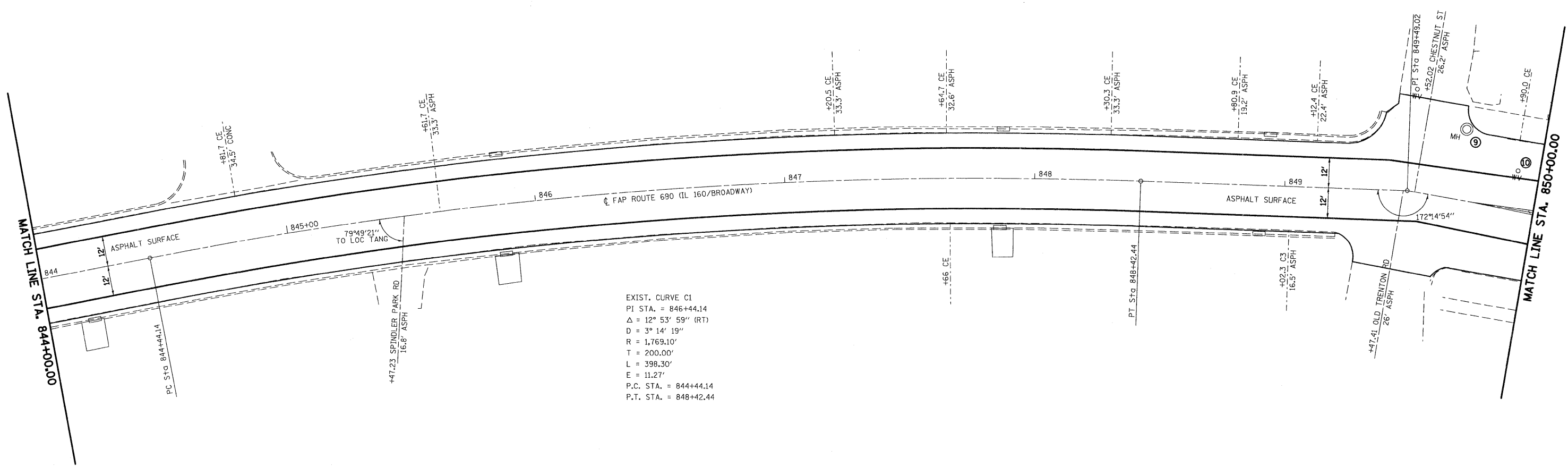


FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET, IL ROUTE 160</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 19	
S:\Projects\407-0029-RW IL 160 (HIGHLAND)\dgn\CADD Sheets\0876C35-411-plan.dgn	PLOT SCALE = 20.000' / IN.	CHECKED - BRM	REVISED -			SCALE: 1" = 20'		SHEET NO. 1 OF 9 SHEETS		STA. 832+00.00 TO STA. 838+00.00	
PLOT DATE = 1/13/2009	DATE = 9-29-08	REVISED -	REVISED -			CONTRACT NO. 76C35		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

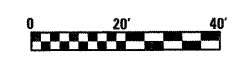


FILE NAME = S:\Projects\101-0029-4HY IL 160 (HIGHLAND)\CAD\Sheet\10176C35-shr-plan.dgn	USER NAME = paul	DESIGNED - ESW	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET, IL ROUTE 160</b>		F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 20
	PLOT SCALE = 20.000' / IN.	CHECKED - BRM	DATE - 9-29-08				REVISED -	SCALE: 1" = 20'	SHEET NO. 2 OF 9 SHEETS	STA. 838+00.00 TO STA. 844+00.00	FED. ROAD DIST. NO.

- ⑨ STA. 849+68, 28.2' LT  
EXISTING FRAMES AND GRATES  
TO BE ADJUSTED
- ⑩ STA. 849+91, 15.4' LT  
EXISTING VALVE BOX  
TO BE ADJUSTED



EXIST. CURVE C1  
 PI STA. = 846+44.14  
 $\Delta = 12^\circ 53' 59''$  (RT)  
 D =  $3^\circ 14' 19''$   
 R = 1,769.10'  
 T = 200.00'  
 L = 398.30'  
 E = 11.27'  
 P.C. STA. = 844+44.14  
 P.T. STA. = 848+42.44



FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET, IL ROUTE 160</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 21	
S:\Projects\407-0029-RTY IL 160 0902LAND\paul\CA00 Sheet\A\0876C35-ah1-plan.dgn	PLOT SCALE = 28,000' / IN.	DRAWN - WJS	REVISED -			SCALE: 1" = 20'	SHEET NO. 3 OF 9 SHEETS	STA. 844+00.00 TO STA. 850+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76C35
	PLOT DATE = 1/13/2009	CHECKED - BRM	REVISED -								
		DATE - 9-29-08	REVISED -								



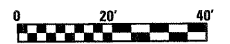
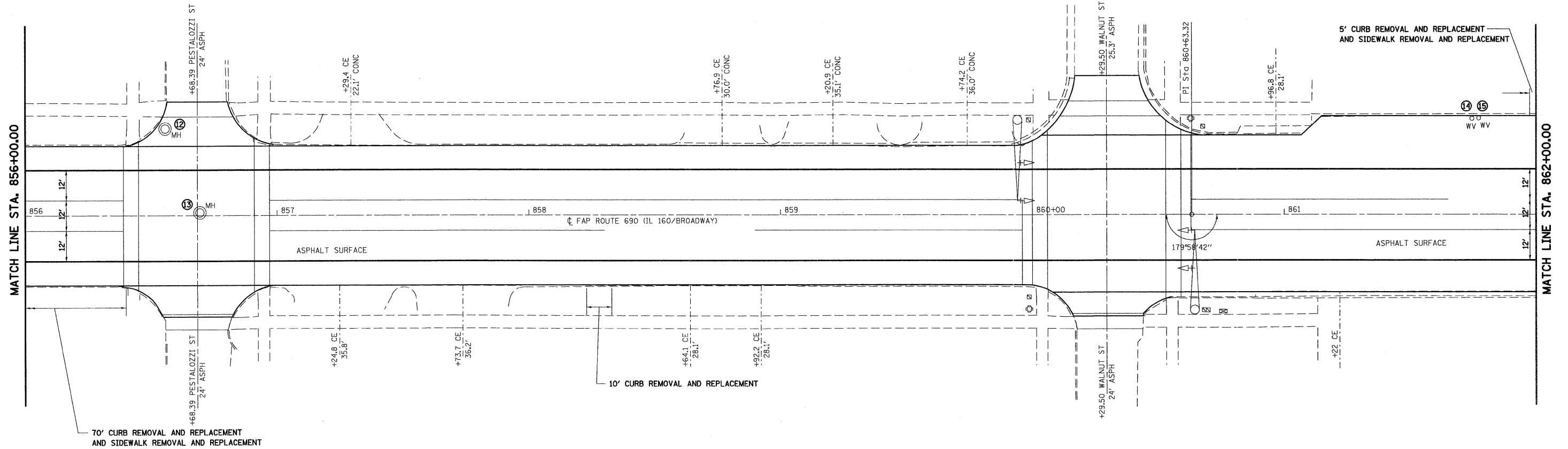


12 STA. 856+56, 34.4' LT  
EXISTING FRAMES AND GRATES  
TO BE ADJUSTED

14 STA. 861+75, 38.0' LT  
EXISTING VALVE BOX  
TO BE ADJUSTED

13 STA. 856+69, 1.1' LT  
EXISTING FRAMES AND GRATES  
TO BE ADJUSTED

15 STA. 861+77, 38.1' LT  
EXISTING VALVE BOX  
TO BE ADJUSTED



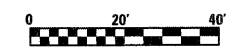
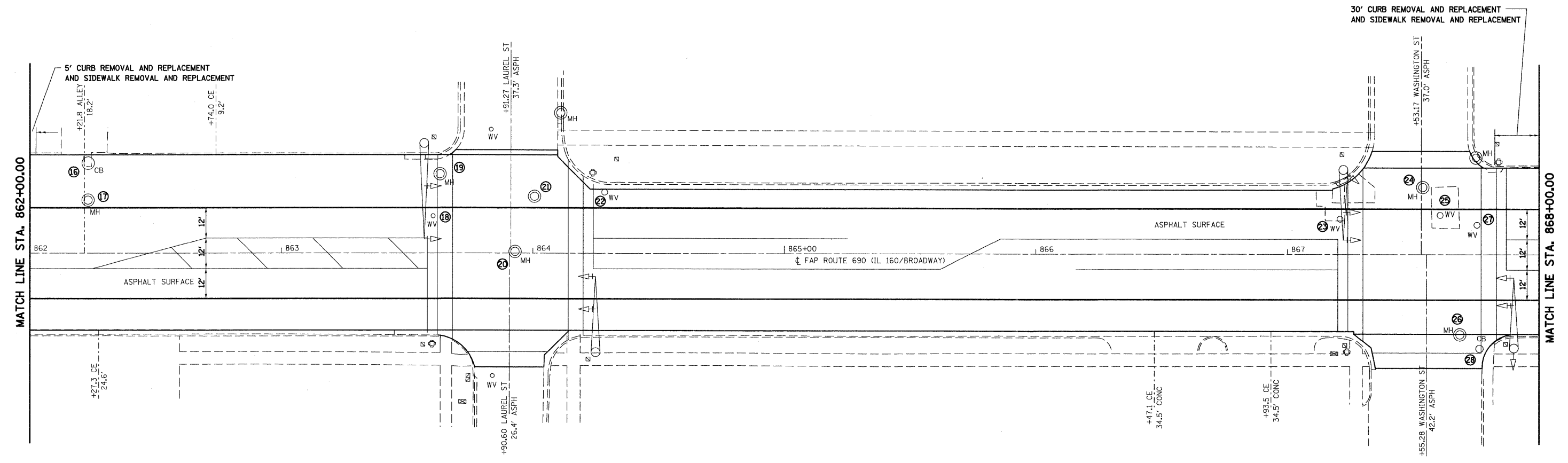
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S:\Projects\407-0029-4HY IL 160 (HIGHLAND)\dgn\CA00 Sheet\407-0029-4HY-160-41X-RS-1.dgn	PL0T SCALE = 20,000' / IN.	DRAWN - WJS	REVISED -				690	41X-RS-1	MADISON	58	23
PL0T DATE = 1/13/2009	DATE - 9-29-08	CHECKED - BRM	REVISED -				<b>CONTRACT NO. 76C35</b>				
			REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET NO. 5 OF 9 SHEETS STA. 856+00.00 TO STA. 862+00.00





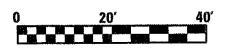
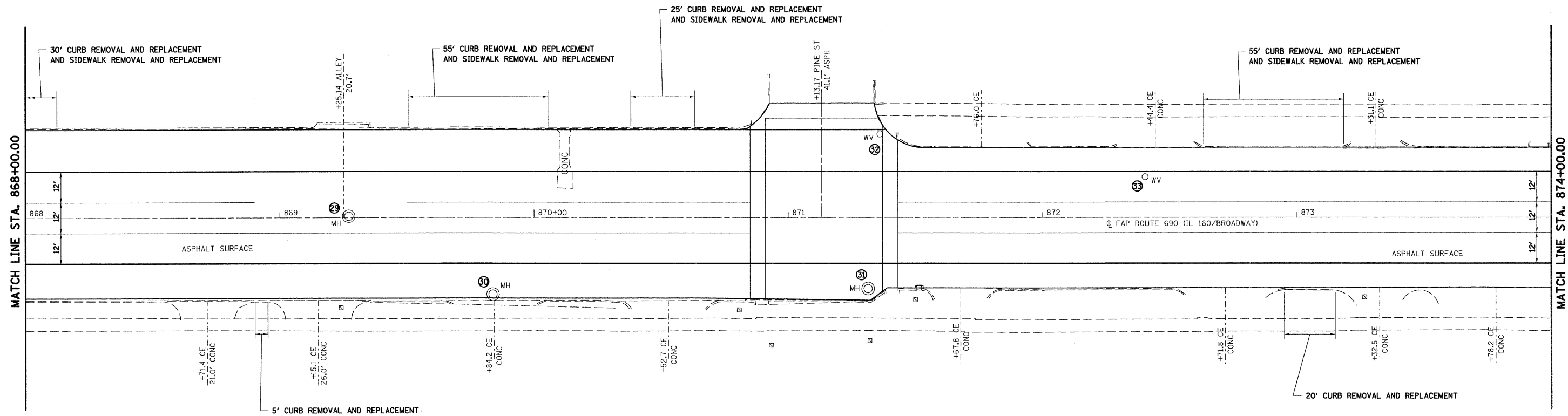
- 16 STA. 862+23, 35.8' LT  
EXISTING FRAMES AND GRATES  
TO BE ADJUSTED  
FINAL ELEVATION TO BE  
DETERMINED BY ENGINEER.
- 17 STA. 862+23, 21.0' LT  
EXISTING FRAMES AND GRATES  
TO BE ADJUSTED
- 18 STA. 863+60, 14.8' LT  
EXISTING VALVE BOX  
TO BE ADJUSTED
- 19 STA. 863+63, 31.5' LT  
EXISTING FRAMES AND GRATES  
TO BE ADJUSTED
- 20 STA. 863+93, 0.6' LT  
EXISTING FRAMES AND GRATES  
TO BE ADJUSTED
- 21 STA. 864+01, 22.6' LT  
EXISTING FRAMES AND GRATES  
TO BE ADJUSTED
- 22 STA. 864+29, 24.3' LT  
EXISTING VALVE BOX  
TO BE ADJUSTED
- 23 STA. 867+21, 14.0' LT  
EXISTING VALVE BOX  
TO BE ADJUSTED
- 24 STA. 867+54, 26.7' LT  
EXISTING FRAMES AND GRATES  
TO BE ADJUSTED
- 25 STA. 867+61, 15.6' LT  
EXISTING VALVE BOX  
TO BE ADJUSTED
- 26 STA. 867+69, 31.7' RT  
EXISTING FRAMES AND GRATES  
TO BE ADJUSTED
- 27 STA. 867+75, 11.7' LT  
EXISTING VALVE BOX  
TO BE ADJUSTED
- 28 STA. 867+76, 37.3' RT  
EXISTING FRAMES AND GRATES  
TO BE ADJUSTED



FILE NAME =	USER NAME = poul	DESIGNED - ESW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET, IL ROUTE 160</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 24	
S:\Projects\407-0029-R1Y IL 160 090LAND\dwg\CADD Sheets\0876C35-811-1plan.dgn	PLOT SCALE = 20.000' / IN.	CHECKED - BRM	REVISED -			SCALE: 1" = 20'		SHEET NO. 6 OF 9 SHEETS		STA. 862+00.00 TO STA. 868+00.00	
PLOT DATE = 1/13/2009	DATE = 9-29-08	REVISED -				FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT	
						<b>CONTRACT NO. 76C35</b>					



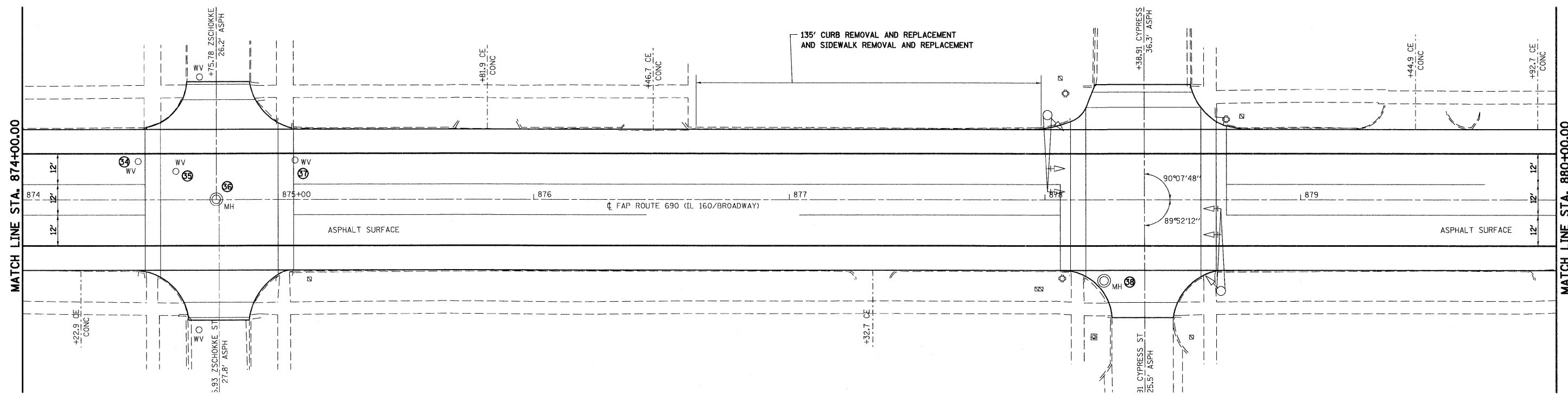
- 29 STA. 869+27, 0.5' LT  
EXISTING FRAMES AND GRATES  
TO BE ADJUSTED
- 30 STA. 869+84, 30.0' RT  
EXISTING FRAMES AND GRATES  
TO BE ADJUSTED
- 31 STA. 871+31, 27.8' RT  
EXISTING FRAMES AND GRATES  
TO BE ADJUSTED
- 32 STA. 871+36, 32.8' LT  
EXISTING VALVE BOX  
TO BE ADJUSTED
- 33 STA. 872+40, 15.8' LT  
EXISTING VALVE BOX  
TO BE ADJUSTED



FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET, IL ROUTE 160</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 25	
SA:\projects\401-0029-411 IL 160 (BROADWAY)\dgn\CADD Sheets\0876C35-sh1-plan.dgn	PLOT SCALE = 20,000' / IN.	CHECKED - BRM	REVISED -			SCALE: 1" = 20'		SHEET NO. 7 OF 9 SHEETS		STA. 868+00.00 TO STA. 874+00.00	
PLOT DATE = 1/13/2009	DATE - 9-29-08	REVISED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
<b>CONTRACT NO. 76C35</b>											

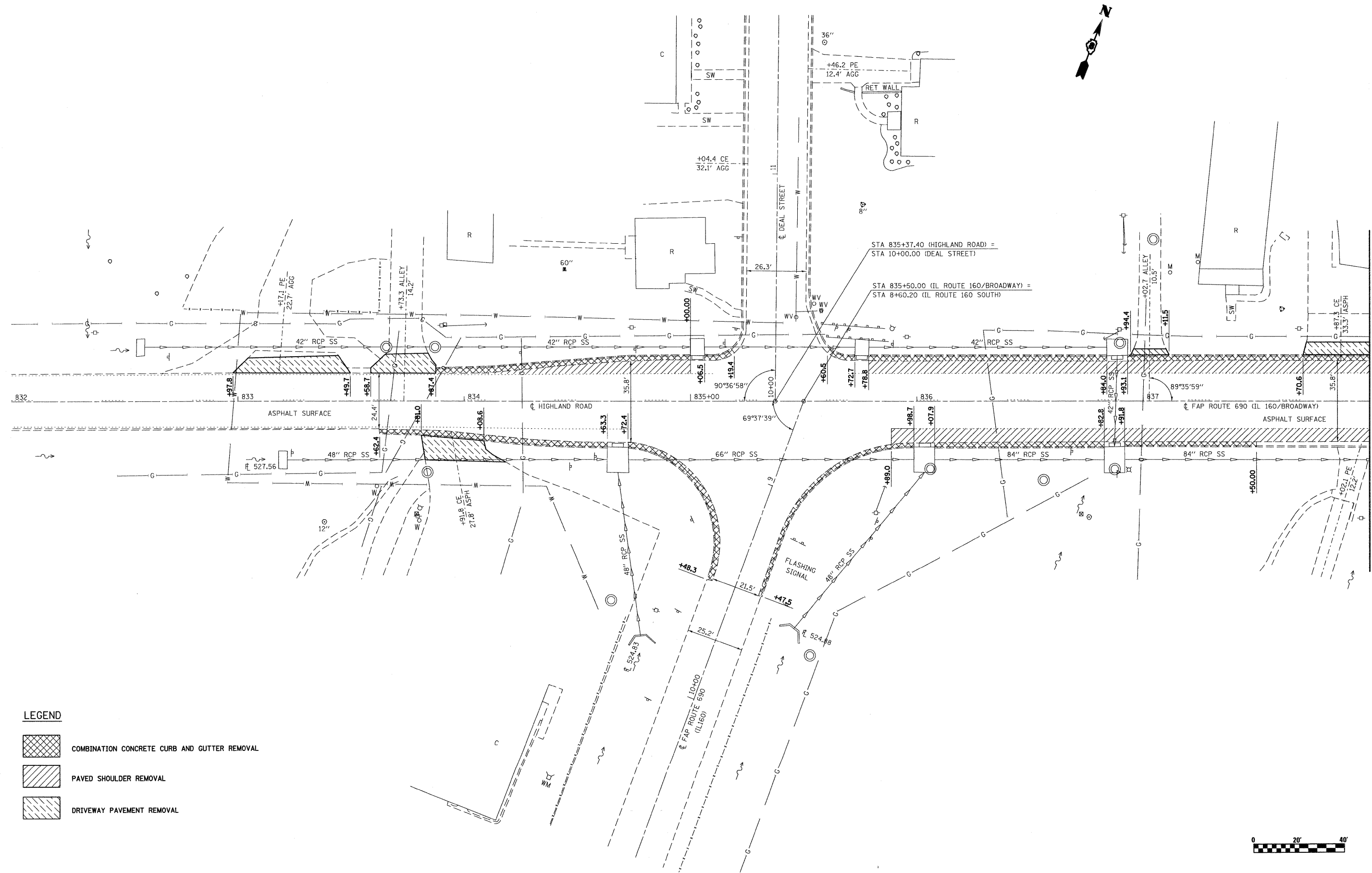


- 54 STA. 874+45, 14.9' LT  
EXISTING VALVE BOX  
TO BE ADJUSTED
- 55 STA. 874+60, 11.0' LT  
EXISTING VALVE BOX  
TO BE ADJUSTED
- 56 STA. 874+76, 0.1' LT  
EXISTING FRAMES AND GRATES  
TO BE ADJUSTED
- 57 STA. 875+07, 15.3' LT  
EXISTING VALVE BOX  
TO BE ADJUSTED
- 58 STA. 878+23, 31.5' RT  
EXISTING FRAMES AND GRATES  
TO BE ADJUSTED



FILE NAME =	USER NAME = psl	DESIGNED - ESW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET, IL ROUTE 160</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 26	
S:\Projects\407-0029-61Y IL 160 HIGHLAND\dwg\CADD Sheets\41X-RS-1-11-11-11.dgn	STA\0816C35-sh11-plan.dgn	DRAWN - WJS	REVISED -			SCALE: 1" = 20'	SHEET NO. 8 OF 9 SHEETS	STA. 874+00.00 TO STA. 880+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76C35
	PLOT SCALE = 20,000' / IN.	CHECKED - BRM	REVISED -								
	PLOT DATE = 1/13/2009	DATE - 9-29-08	REVISED -								

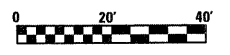




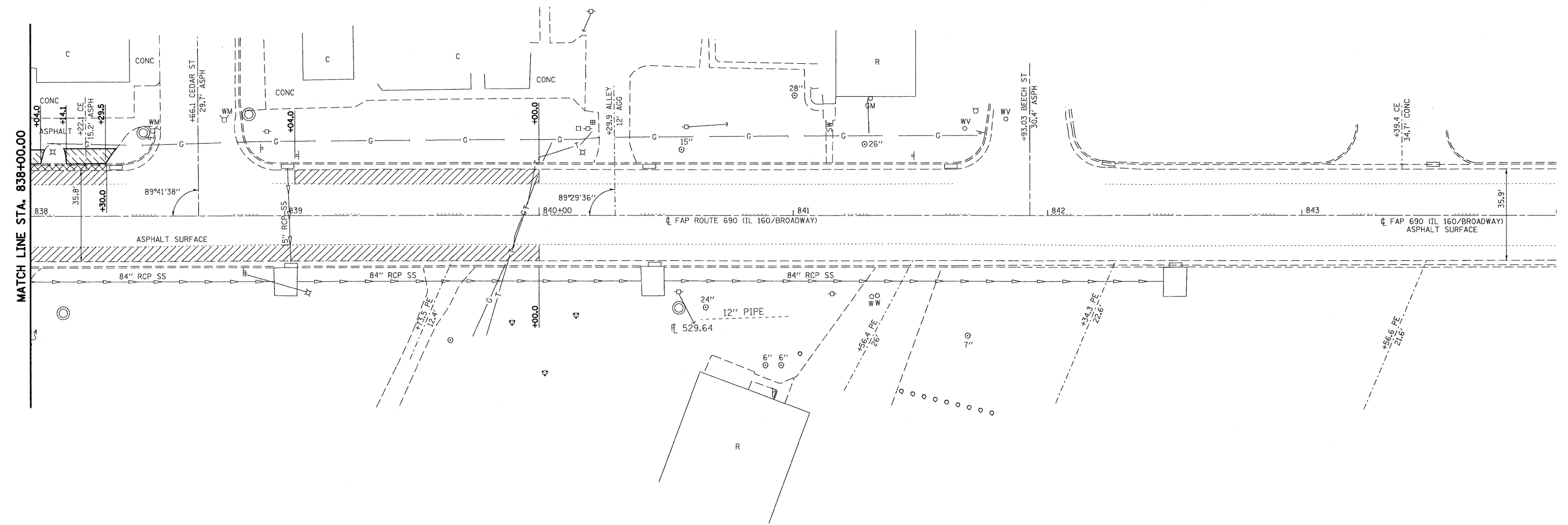
MATCH LINE STA. 838+00.00

**LEGEND**




- COMBINATION CONCRETE CURB AND GUTTER REMOVAL
- PAVED SHOULDER REMOVAL
- DRIVEWAY PAVEMENT REMOVAL

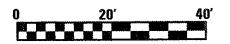


FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVAL SHEET, IL ROUTE 160</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 28	
S:\Projects\401-0029-41Y IL 160 (HIGHLAND)dm\CA2D Sheets\0876C35-sh1-ren.dgn	PLOT SCALE = 28,000' / IN.	CHECKED - BRM	REVISED -			SCALE: 1" = 20'		SHEET NO. 1 OF 2 SHEETS		STA. 832+00.00 TO STA. 838+00.00	
PLOT DATE = 1/13/2009	DATE = 10-22-08	REVISED -	REVISED -			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 76C35	

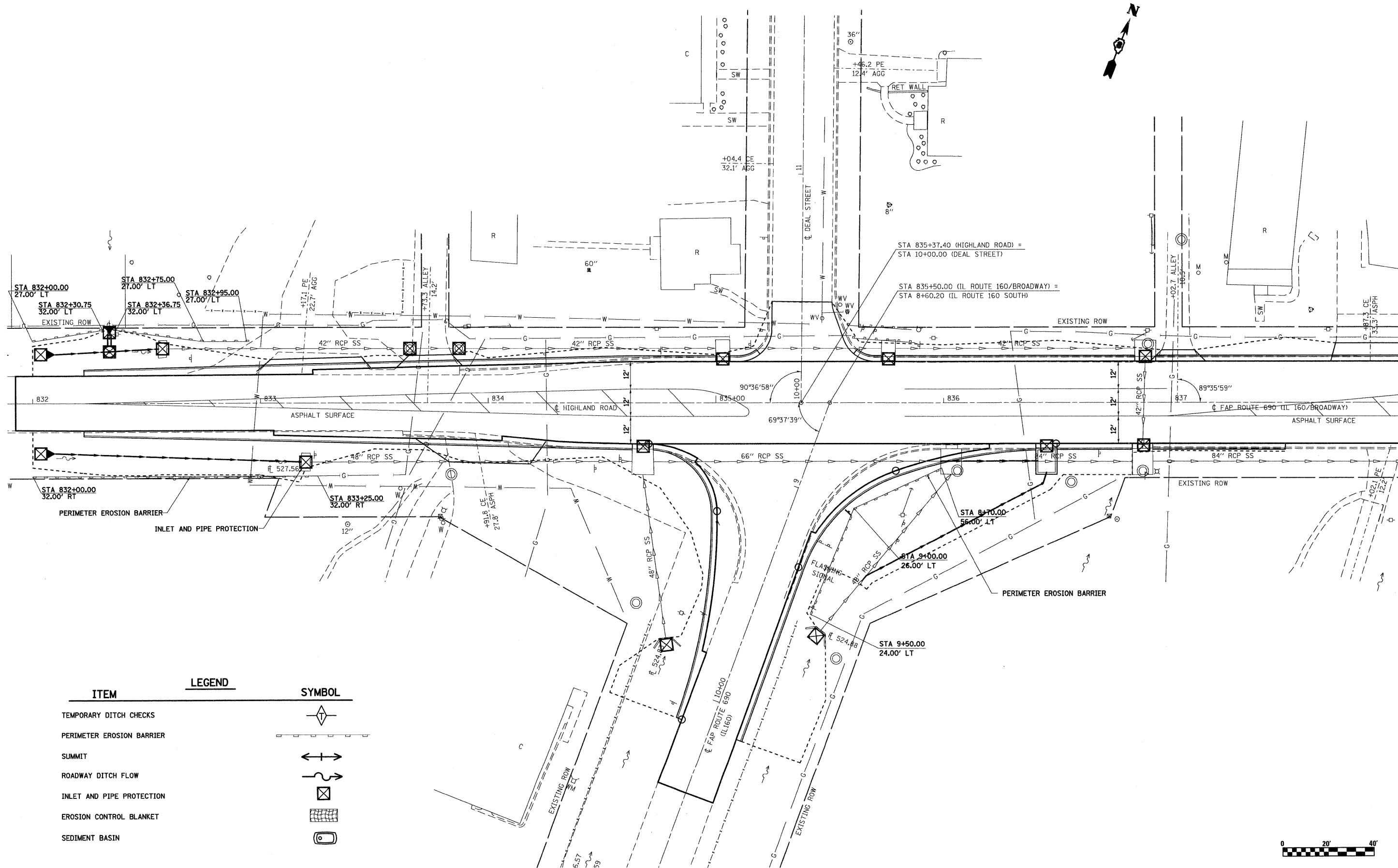


**LEGEND**

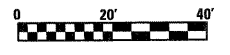
-  COMBINATION CONCRETE CURB AND GUTTER REMOVAL
-  PAVED SHOULDER REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL



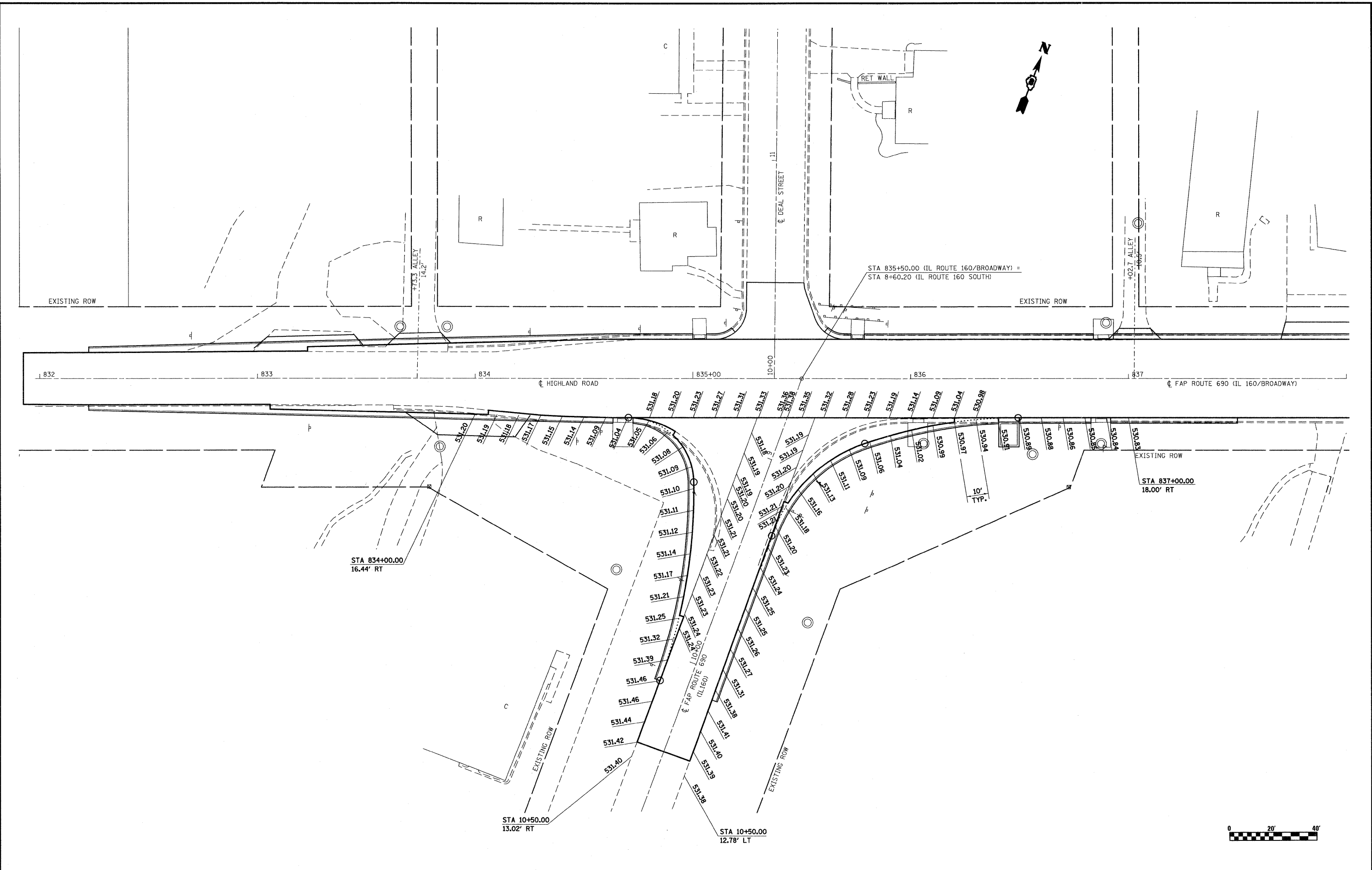
FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVAL SHEET, IL ROUTE 160</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 29	
		DRAWN - WJS	REVISED -			SCALE: 1" = 20'    SHEET NO. 2 OF 2 SHEETS    STA. 838+00.00 TO STA. 844+00.00					
		CHECKED - BRM	REVISED -			FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT					
		DATE - 10-22-08	REVISED -			<b>CONTRACT NO. 76C35</b>					



ITEM	LEGEND	SYMBOL
TEMPORARY DITCH CHECKS		
PERIMETER EROSION BARRIER		
SUMMIT		
ROADWAY DITCH FLOW		
INLET AND PIPE PROTECTION		
EROSION CONTROL BLANKET		
SEDIMENT BASIN		



FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION AND SEDIMENT CONTROL SHEET, IL ROUTE 160</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 30		
PROJECT NO. 107-0029-61Y IL 160 (HIGHLAND) dgm\CA00 Sheets\0876C35-ehh-eros.dgn	PLOT SCALE = 20,000' / IN.	DRAWN - WJS	REVISED -			SCALE: 1" = 20'	SHEET NO. 1 OF 1 SHEETS	STA. 832+00.00 TO STA. 838+00.00	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	<b>CONTRACT NO. 76C35</b>		
	PLOT DATE = 1/13/2009	CHECKED - BRM	REVISED -									
		DATE - 10-24-08	REVISED -									



FILE NAME =  
 S:\Projects\407-0029-6HY & I 160 (HIGHLAND)\dgn\CA00 Sheets\0876C35-shr-Intersec.dgn

USER NAME = betsy  
 PLOT SCALE = 28,00000 ' / IN.  
 PLOT DATE = 1/14/2009

DESIGNED - ESW  
 DRAWN - WJS  
 CHECKED - BRM  
 DATE - 11-07-08

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

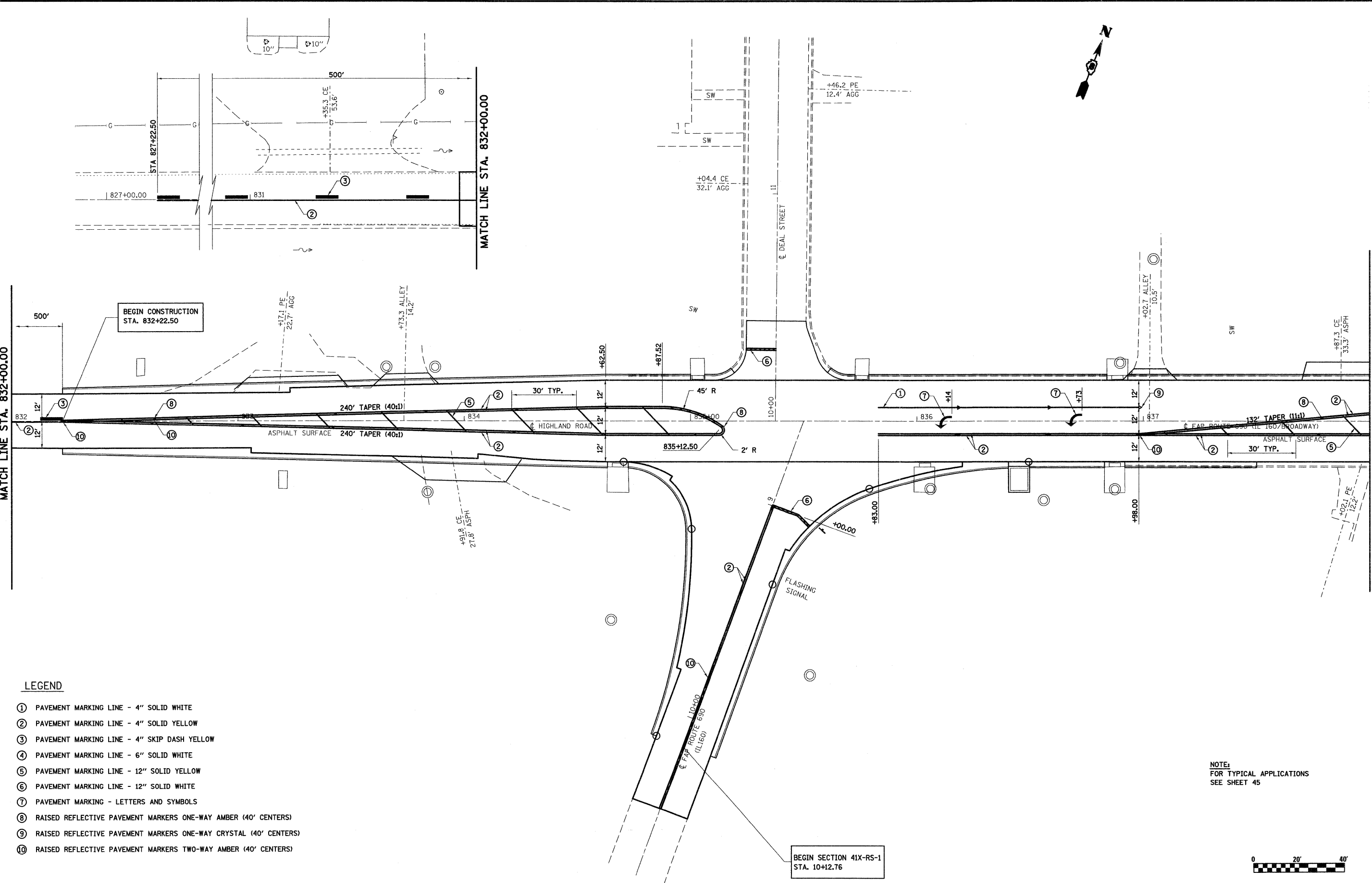
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAIL SHEET, IL ROUTE 160**

SCALE: 1" = 20'    SHEET NO. 1 OF 1 SHEETS    STA. 832+00.00 TO STA. 838+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	41X-RS-1	MADISON	58	31
<b>CONTRACT NO. 76C35</b>				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				

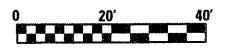




**LEGEND**

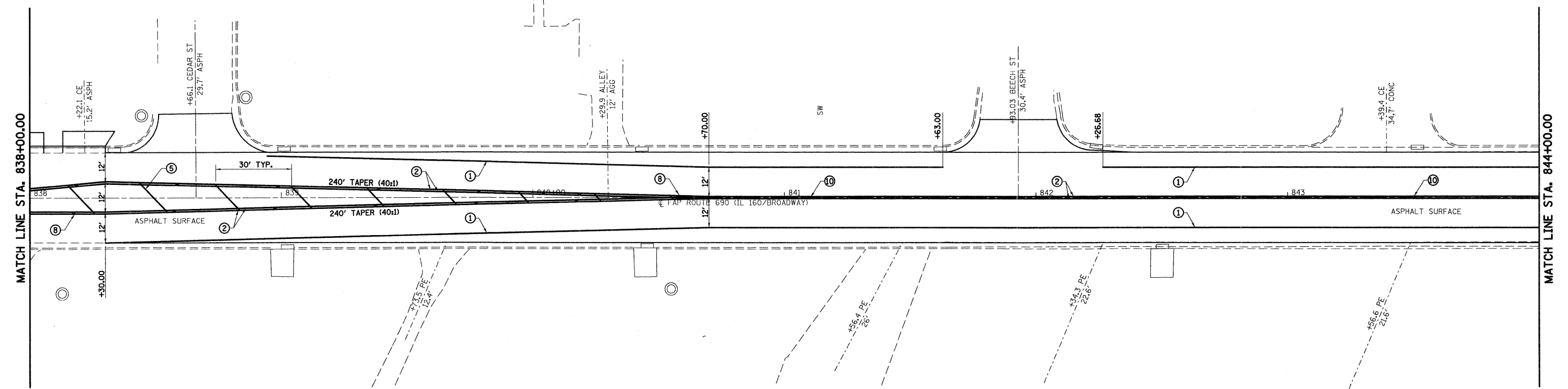
- ① PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW
- ④ PAVEMENT MARKING LINE - 6" SOLID WHITE
- ⑤ PAVEMENT MARKING LINE - 12" SOLID YELLOW
- ⑥ PAVEMENT MARKING LINE - 12" SOLID WHITE
- ⑦ PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑧ RAISED REFLECTIVE PAVEMENT MARKERS ONE-WAY AMBER (40' CENTERS)
- ⑨ RAISED REFLECTIVE PAVEMENT MARKERS ONE-WAY CRYSTAL (40' CENTERS)
- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS TWO-WAY AMBER (40' CENTERS)

NOTE:  
FOR TYPICAL APPLICATIONS  
SEE SHEET 45



BEGIN SECTION 41X-RS-1  
STA. 10+12.76

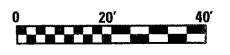
FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING PLAN, IL ROUTE 160</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 32	
S:\Projects\407-0029-Rly IL 160 (HIGHLAND)\dgn\CA20 Sheets\41X-RS-1-sh1-pmk.dgn	PLOT SCALE = 20,000' / IN.	DRAWN - WJS	REVISED -			SCALE: 1" = 20'	SHEET NO. 1 OF 9 SHEETS	STA. 832+00.00 TO STA. 838+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76C35
	PLOT DATE = 1/13/2009	CHECKED - BRM	REVISED -								
		DATE - 10-14-08	REVISED -								



**LEGEND**

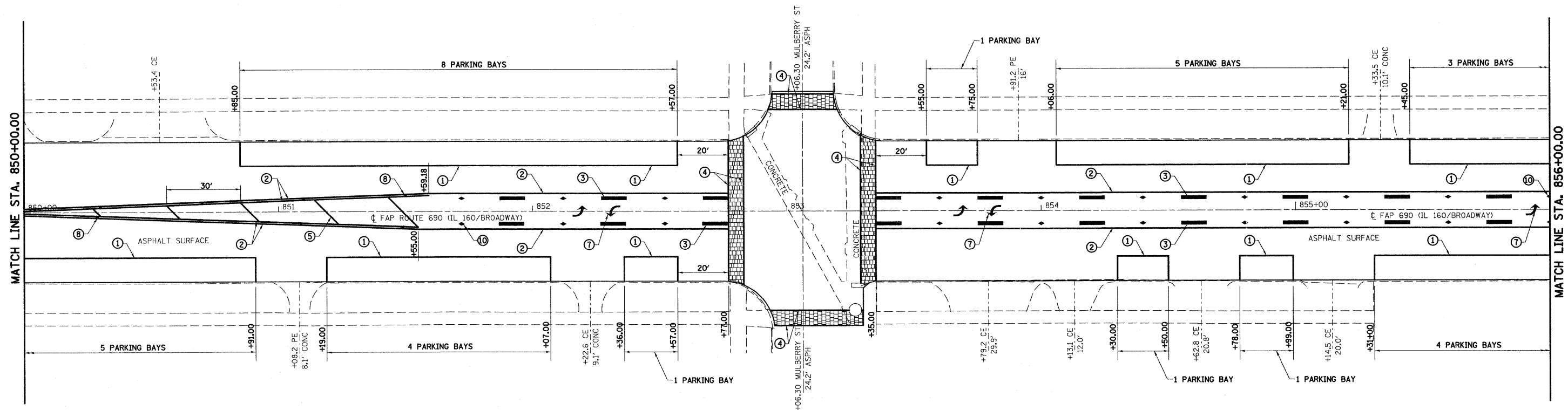
- ① PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW
- ④ PAVEMENT MARKING LINE - 6" SOLID WHITE
- ⑤ PAVEMENT MARKING LINE - 12" SOLID YELLOW
- ⑥ PAVEMENT MARKING LINE - 12" SOLID WHITE
- ⑦ PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑧ RAISED REFLECTIVE PAVEMENT MARKERS ONE-WAY AMBER (40' CENTERS)
- ⑨ RAISED REFLECTIVE PAVEMENT MARKERS ONE-WAY CRYSTAL (40' CENTERS)
- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS TWO-WAY AMBER (40' CENTERS)

NOTE:  
FOR TYPICAL APPLICATIONS  
SEE SHEET 45



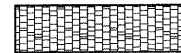
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S:\Projects\407-0029-81Y IL 160 (HIGHLAND)\dgn\CA20 Sheets\0476C35-sh1-pmk.dgn	PLOT SCALE = 20,000' / IN.	DRAWN - WJS	REVISED -			SCALE: 1" = 20'	SHEET NO. 2 OF 9 SHEETS	STA. 838+00.00 TO STA. 844+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76C35
	PLOT DATE = 1/13/2009	CHECKED - BRM	REVISED -								
		DATE - 10-14-08	REVISED -								



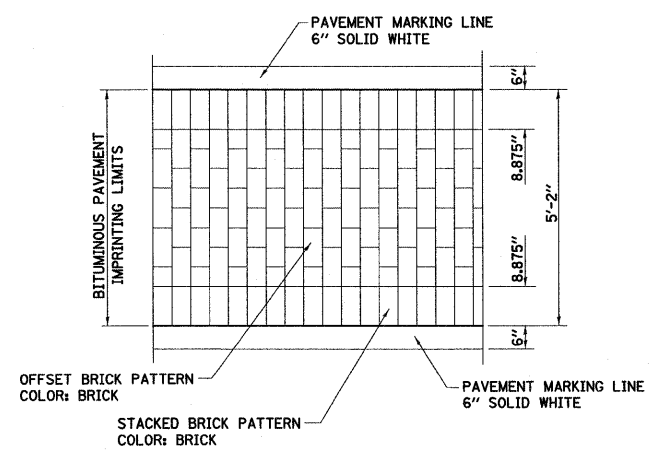


**LEGEND**

- ① PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW
- ④ PAVEMENT MARKING LINE - 6" SOLID WHITE
- ⑤ PAVEMENT MARKING LINE - 12" SOLID YELLOW
- ⑥ PAVEMENT MARKING LINE - 12" SOLID WHITE
- ⑦ PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑧ RAISED REFLECTIVE PAVEMENT MARKERS ONE-WAY AMBER (40' CENTERS)
- ⑨ RAISED REFLECTIVE PAVEMENT MARKERS ONE-WAY CRYSTAL (40' CENTERS)
- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS TWO-WAY AMBER (40' CENTERS)

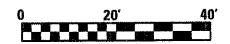


BITUMINOUS PAVEMENT IMPRINTING

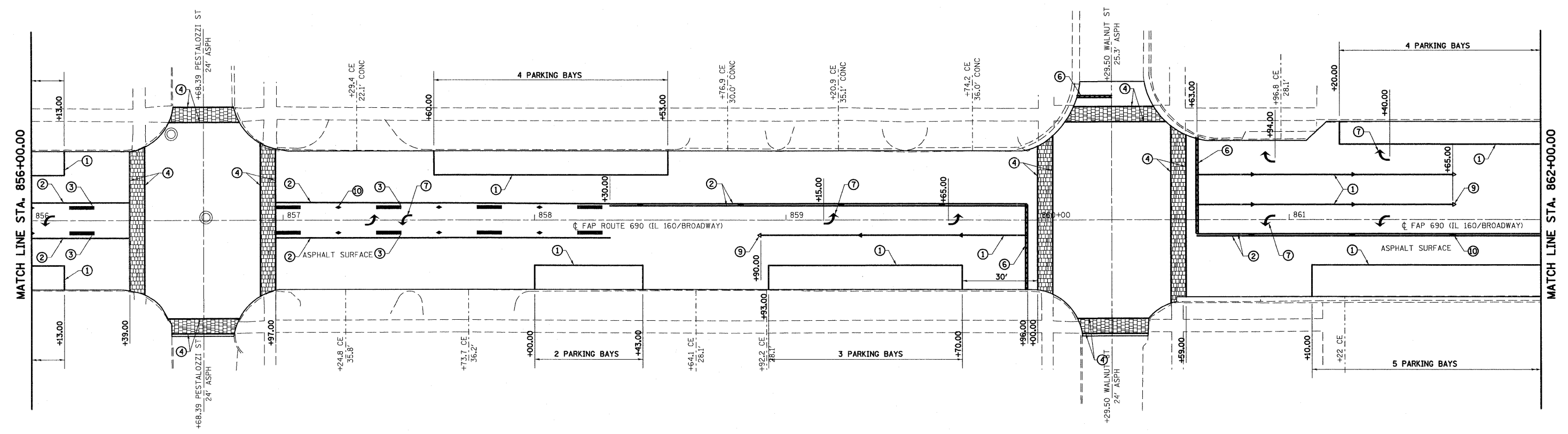


**CROSSWALK DETAIL WITH BITUMINOUS PAVEMENT IMPRINTING**

NOTE:  
FOR TYPICAL APPLICATIONS  
SEE SHEET 45



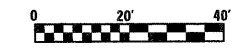
FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED - 02-10-09	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING PLAN, IL ROUTE 160</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 35	
S:\Projects\407-0029-41Y IL 160 (HIGHLAND)\dgn\CADD Sheets\0876C35-sh1-pmk.dgn	PLOT SCALE = 20,000' / IN.	DRAWN - WJS	REVISED -			SCALE: 1" = 20'	SHEET NO. 4 OF 9 SHEETS	STA. 850+00.00 TO STA. 856+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76C35
	PLOT DATE = 2/10/2009	CHECKED - BRM	REVISED -								
		DATE - 10-14-08	REVISED -								



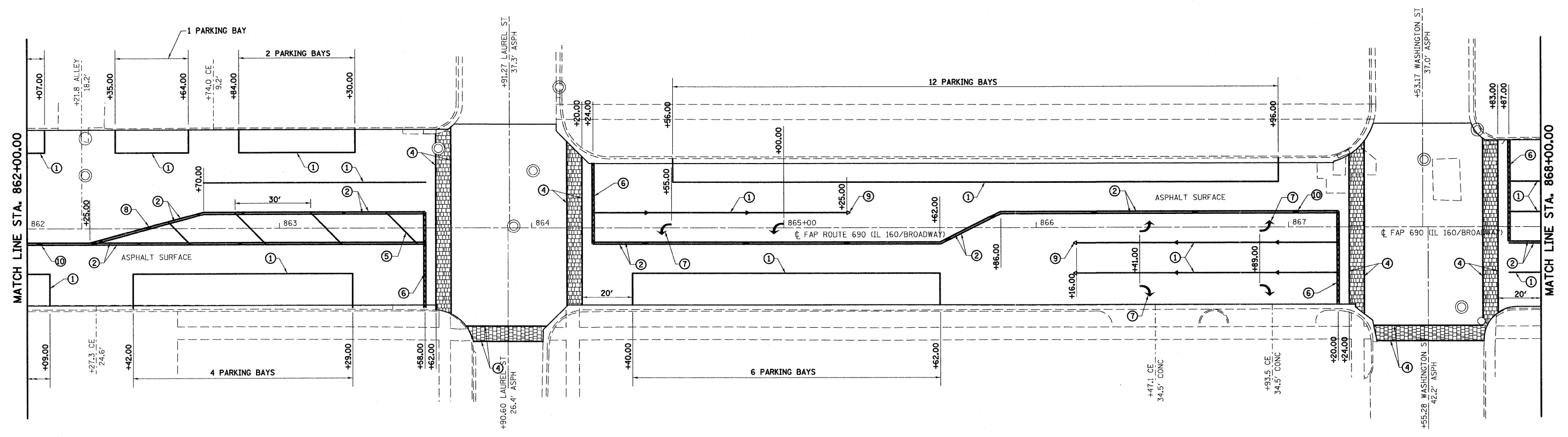
- ① PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW
- ④ PAVEMENT MARKING LINE - 6" SOLID WHITE
- ⑤ PAVEMENT MARKING LINE - 12" SOLID YELLOW
- ⑥ PAVEMENT MARKING LINE - 12" SOLID WHITE
- ⑦ PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑧ RAISED REFLECTIVE PAVEMENT MARKERS ONE-WAY AMBER (40' CENTERS)
- ⑨ RAISED REFLECTIVE PAVEMENT MARKERS ONE-WAY CRYSTAL (40' CENTERS)
- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS TWO-WAY AMBER (40' CENTERS)



NOTE:  
FOR TYPICAL APPLICATIONS  
SEE SHEET 45



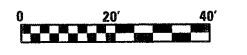
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PLOT SCALE = 20,000' / IN.	CHECKED - BRM	REVISOR -	DATE - 10-14-08		SCALE: 1" = 20'	SHEET NO. 5 OF 9 SHEETS	STA. 856+00.00 TO STA. 862+00.00	CONTRACT NO. 76C35				
PLOT DATE = 2/10/2009	DATE - 10-14-08	REVISOR -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



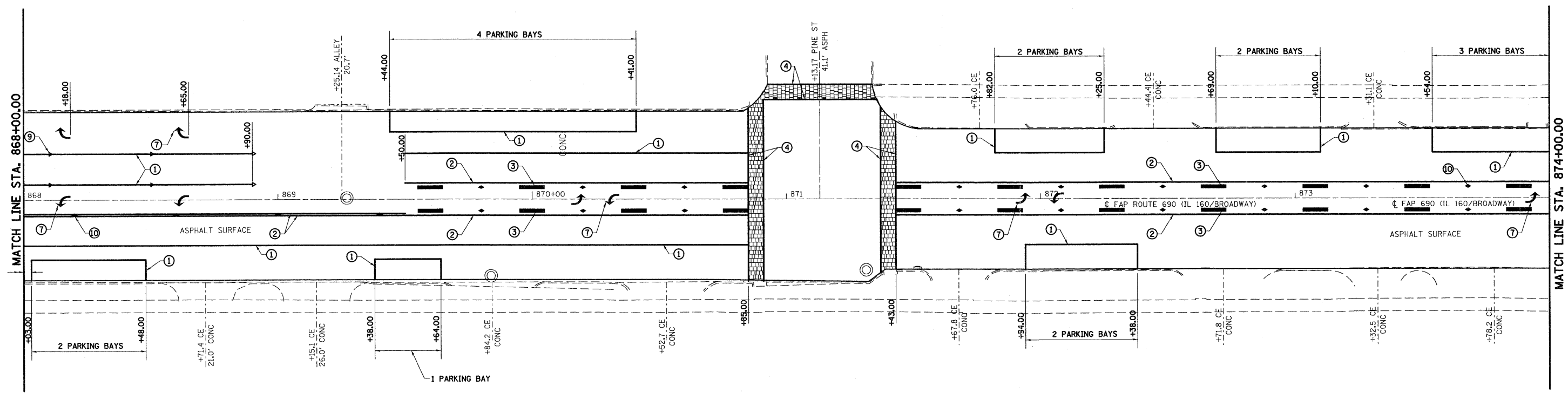
- ① PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW
- ④ PAVEMENT MARKING LINE - 6" SOLID WHITE
- ⑤ PAVEMENT MARKING LINE - 12" SOLID YELLOW
- ⑥ PAVEMENT MARKING LINE - 12" SOLID WHITE
- ⑦ PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑧ RAISED REFLECTIVE PAVEMENT MARKERS ONE-WAY AMBER (40' CENTERS)
- ⑨ RAISED REFLECTIVE PAVEMENT MARKERS ONE-WAY CRYSTAL (40' CENTERS)
- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS TWO-WAY AMBER (40' CENTERS)



NOTE:  
FOR TYPICAL APPLICATIONS  
SEE SHEET 45



FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED - 02-10-09	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING PLAN, IL ROUTE 160</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 37	
S:\Projects\407-0029-411 IL 160 (HIGHLAND)\dgn\CADD Sheets\0976C35-sh1-pmk.dgn	PLOT SCALE = 20,000' / IN.	DRAWN - WJS	REVISED -			SCALE: 1" = 20'	SHEET NO. 6 OF 9 SHEETS	STA. 862+00.00 TO STA. 868+00.00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
	PLOT DATE = 2/10/2009	CHECKED - BRM	REVISED -			<b>CONTRACT NO. 76C35</b>					
		DATE - 10-14-08	REVISED -								

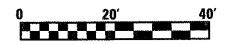


**LEGEND**

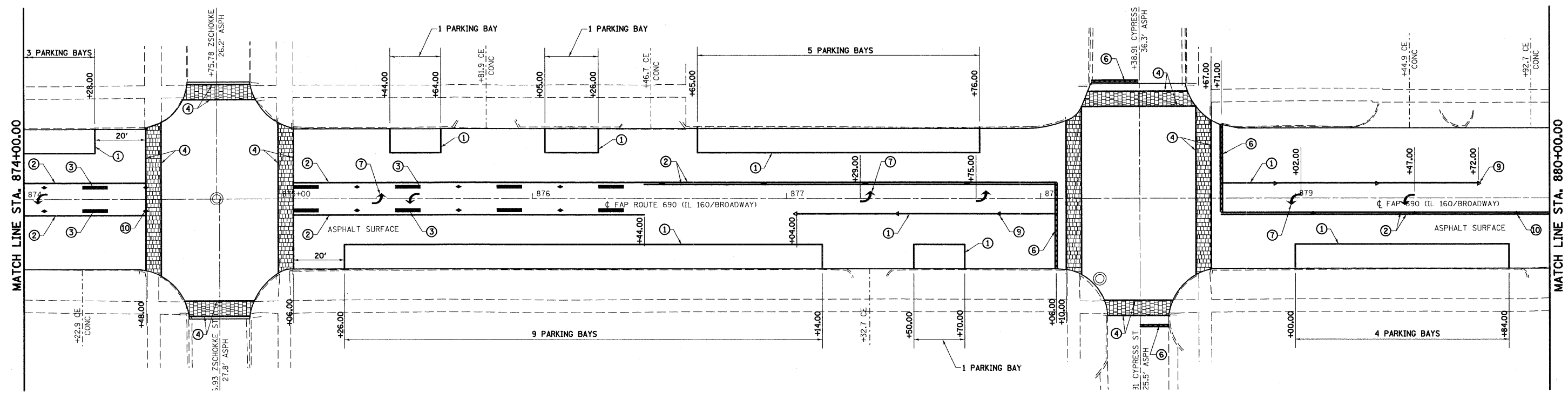
- ① PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW
- ④ PAVEMENT MARKING LINE - 6" SOLID WHITE
- ⑤ PAVEMENT MARKING LINE - 12" SOLID YELLOW
- ⑥ PAVEMENT MARKING LINE - 12" SOLID WHITE
- ⑦ PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑧ RAISED REFLECTIVE PAVEMENT MARKERS ONE-WAY AMBER (40' CENTERS)
- ⑨ RAISED REFLECTIVE PAVEMENT MARKERS ONE-WAY CRYSTAL (40' CENTERS)
- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS TWO-WAY AMBER (40' CENTERS)



NOTE:  
FOR TYPICAL APPLICATIONS  
SEE SHEET 45



FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED - 02-10-09	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING PLAN, IL ROUTE 160</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
S:\Projects\1407-0029-41Y E 160 (HIGHLAND)\dgn\CADD Sheets\14076635-sh1-pmk.dgn	PLOT SCALE = 20,000' / IN.	DRAWN - WJS	REVISED -					690	41X-RS-1	MADISON	58	38			
	PLOT DATE = 2/10/2009	CHECKED - BRM	REVISED -					SCALE: 1" = 20'			SHEET NO. 7 OF 9 SHEETS STA. 868+00.00 TO STA. 874+00.00			CONTRACT NO. 76C35	
		DATE - 10-14-08	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

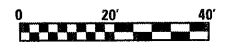


**LEGEND**

- ① PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW
- ④ PAVEMENT MARKING LINE - 6" SOLID WHITE
- ⑤ PAVEMENT MARKING LINE - 12" SOLID YELLOW
- ⑥ PAVEMENT MARKING LINE - 12" SOLID WHITE
- ⑦ PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑧ RAISED REFLECTIVE PAVEMENT MARKERS ONE-WAY AMBER (40' CENTERS)
- ⑨ RAISED REFLECTIVE PAVEMENT MARKERS ONE-WAY CRYSTAL (40' CENTERS)
- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS TWO-WAY AMBER (40' CENTERS)

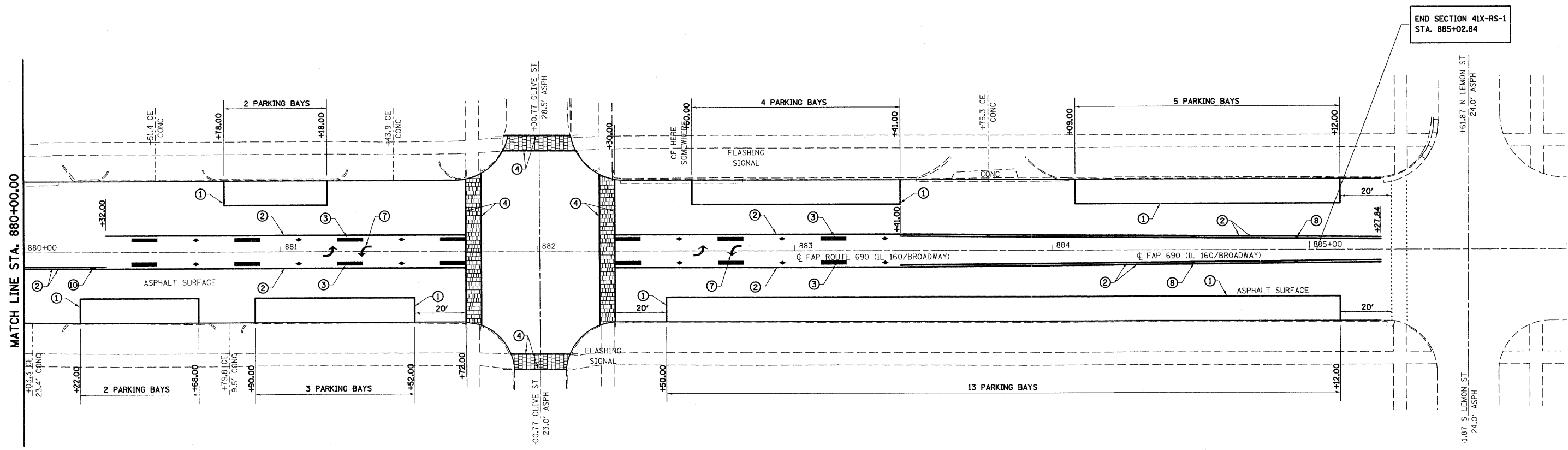


NOTE:  
FOR TYPICAL APPLICATIONS  
SEE SHEET 45



FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED - 02-10-09	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>				<b>PAVEMENT MARKING PLAN, IL ROUTE 160</b>				F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 39
S:\Projects\407-0029-41X R 160 (HURLAND)\dgn\CADD Sheets\0876C35-41X-pmk.dgn	PLOT SCALE = 20,000' / IN.	DRAWN - WJS	REVISIED -									SCALE: 1" = 20'	SHEET NO. 8 OF 9 SHEETS	STA. 874+00.00 TO STA. 880+00.00	CONTRACT NO. 76C35	
	PLOT DATE = 2/18/2009	CHECKED - BRM	REVISIED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
		DATE - 10-14-08	REVISIED -													





END SECTION 41X-RS-1  
STA. 885+02.84

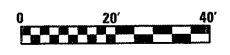
MATCH LINE STA. 880+00.00

**LEGEND**

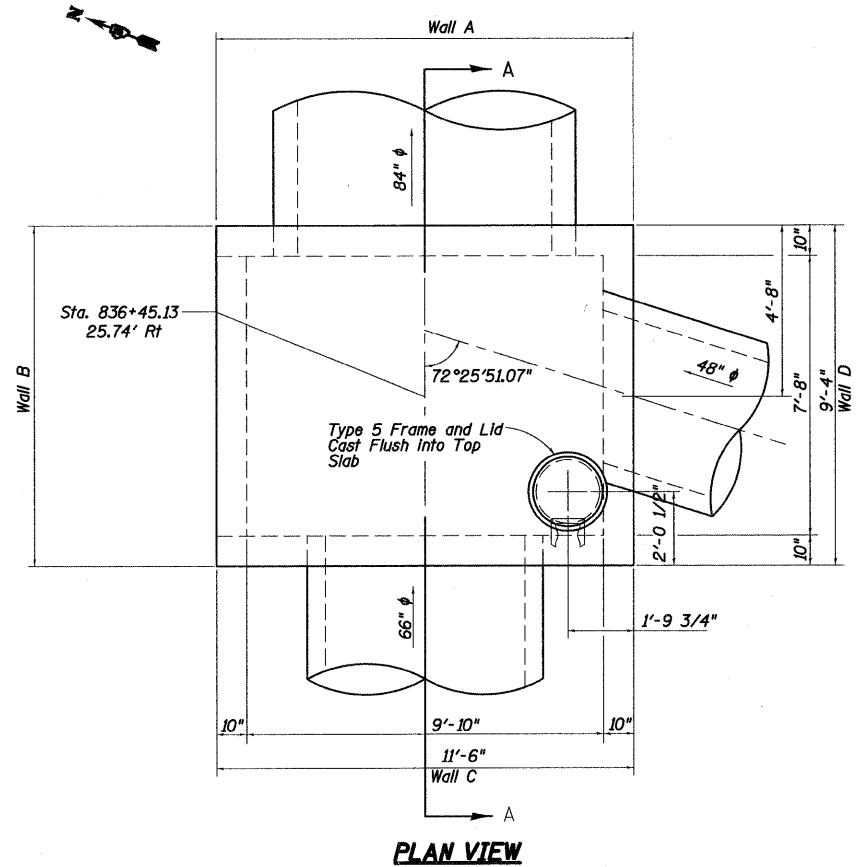
- ① PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW
- ④ PAVEMENT MARKING LINE - 6" SOLID WHITE
- ⑤ PAVEMENT MARKING LINE - 12" SOLID YELLOW
- ⑥ PAVEMENT MARKING LINE - 12" SOLID WHITE
- ⑦ PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑧ RAISED REFLECTIVE PAVEMENT MARKERS ONE-WAY AMBER (40' CENTERS)
- ⑨ RAISED REFLECTIVE PAVEMENT MARKERS ONE-WAY CRYSTAL (40' CENTERS)
- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS TWO-WAY AMBER (40' CENTERS)

 BITUMINOUS PAVEMENT IMPRINTING

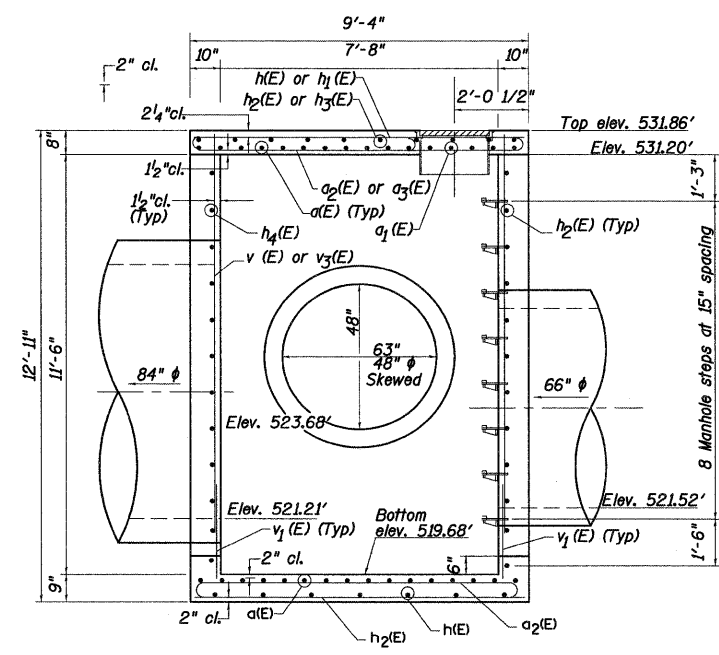
NOTE:  
FOR TYPICAL APPLICATIONS  
SEE SHEET 45



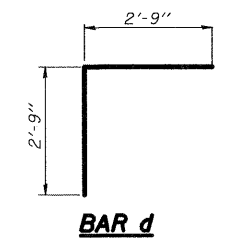
FILE NAME = S:\Projects\407-0029-6H L 160 (HIGHLAND)\dgn\CADD Sheets\40876C35-sh1-pmk.dgn	USER NAME = paul	DESIGNED - ESW	REVISED - 02-10-09	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING PLAN, IL ROUTE 160</b>		F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 40	
	PLOT SCALE = 20,000' / IN.	DRAWN - WJS	REVISED -		SCALE: 1" = 20'	SHEET NO. 9 OF 9 SHEETS	STA. 880+00.00 TO STA. 886+00.00	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
	PLOT DATE = 2/18/2009	CHECKED - BRM	REVISED -		<b>CONTRACT NO. 76C35</b>							
		DATE - 10-14-08	REVISED -									



**PLAN VIEW**

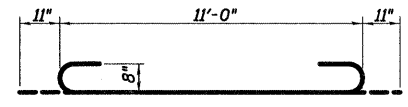


**SECTION VIEW A-A**

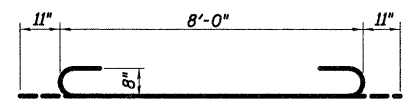


**BAR d**

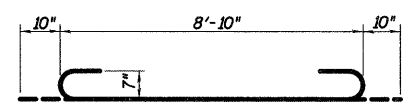
**NOTES**  
 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.  
 Reinforcement bars designated (E) shall be epoxy coated.  
 Class SI concrete shall be used throughout.  
 All construction joints shall be bonded.  
 The minimum bar lap #4 bars is 1'-4".



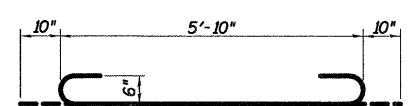
**BAR a(E)**



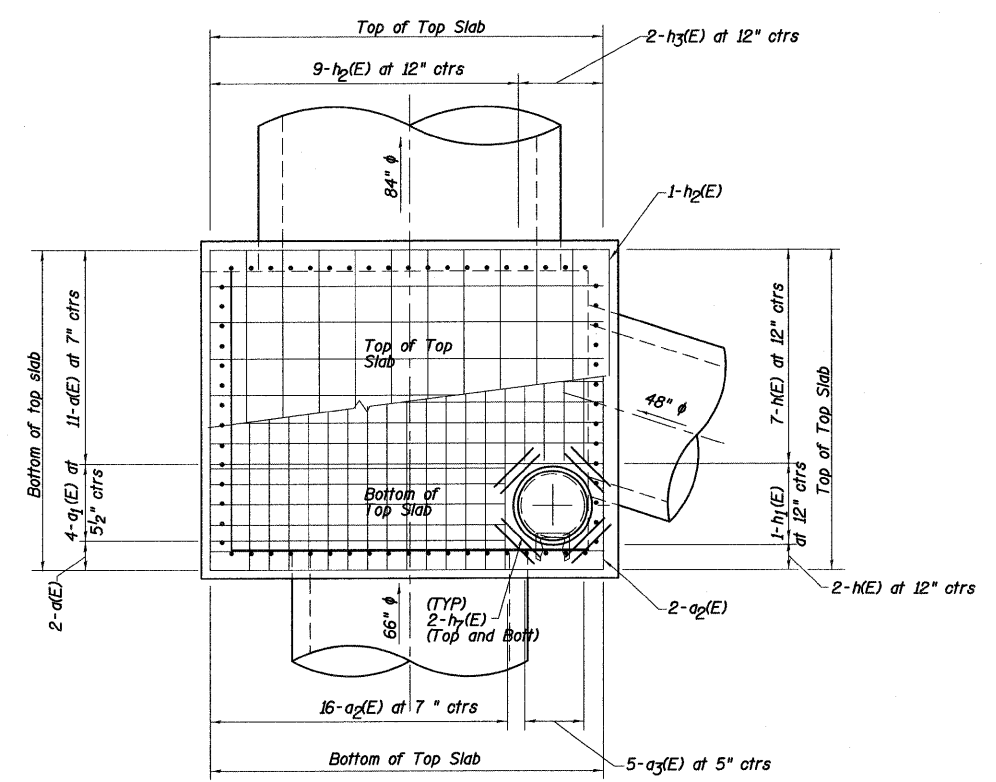
**BAR a1(E)**



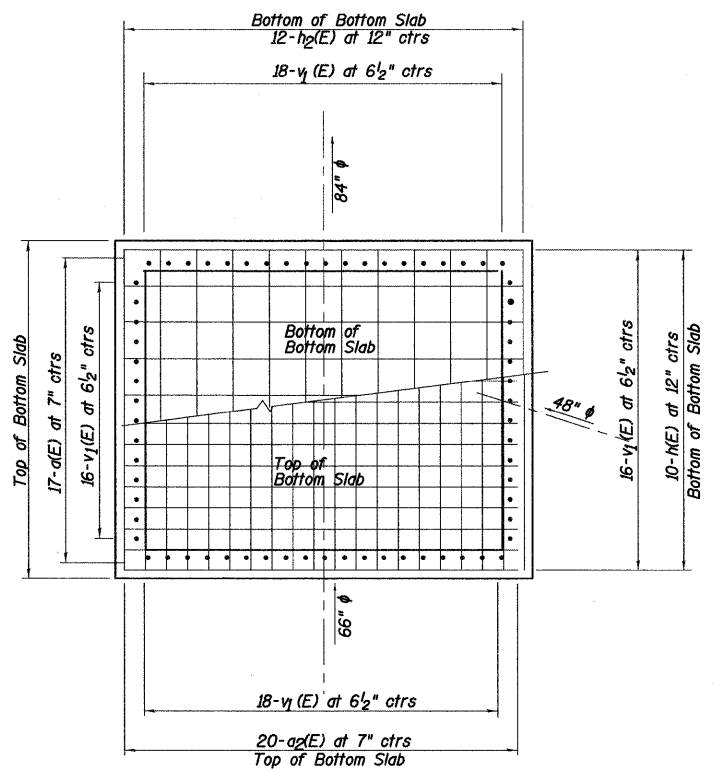
**BAR a2(E)**



**BAR a3(E)**



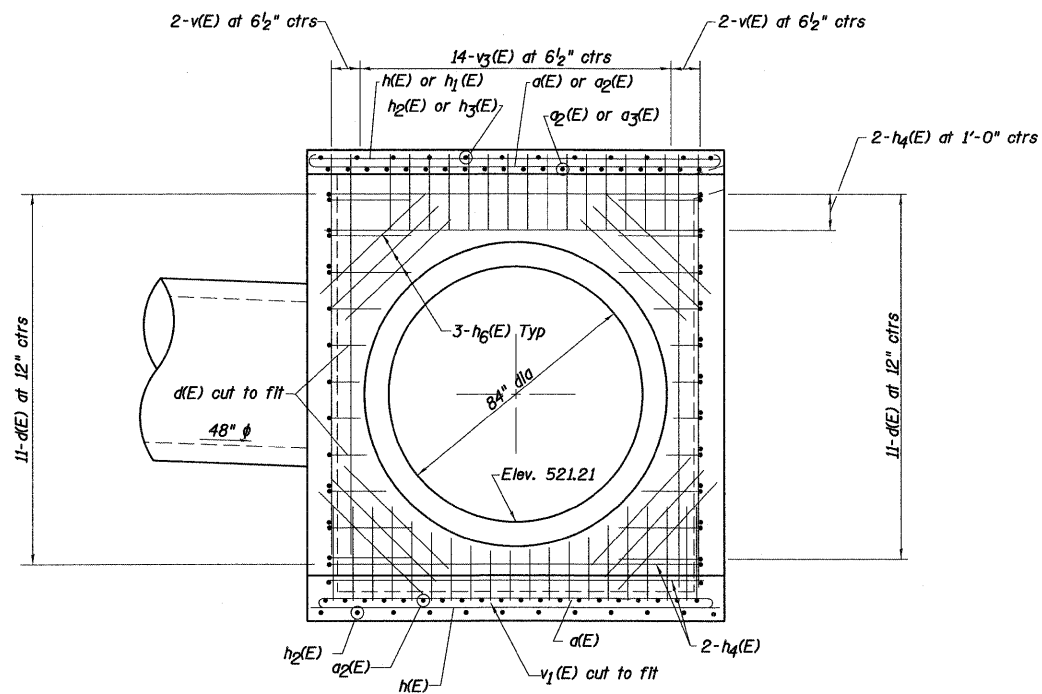
**TOP SLAB**



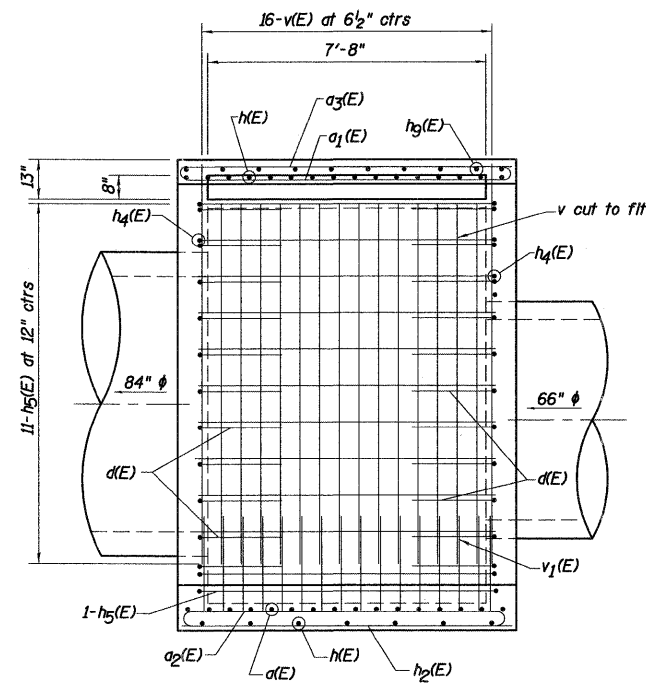
**BOTTOM SLAB**

**BILL OF MATERIAL (FOR INFORMATION ONLY)**

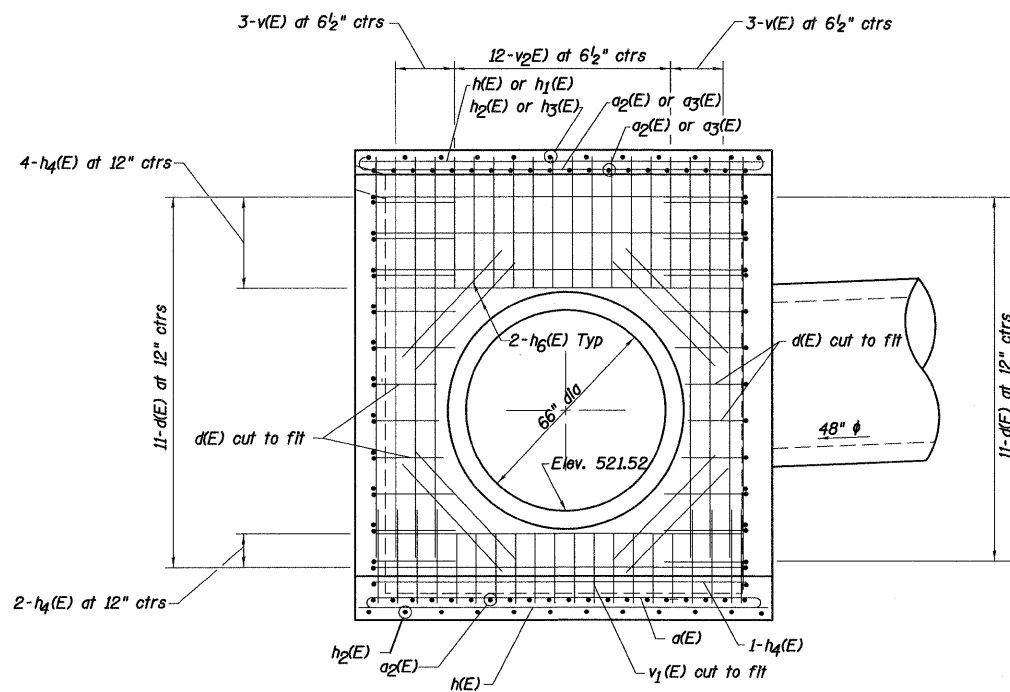
Bar	No.	Size	Length	Shape
a	30	#8	12'-10"	U
a1	4	#8	9'-10"	U
a2	38	#7	10'-6"	U
a3	5	#7	7'-6"	U
d	44	#7	5'-6"	L
h	19	#4	11'-0"	—
h1	1	#4	8'-0"	—
h2	22	#4	8'-10"	—
h3	2	#4	5'-10"	—
h4	11	#7	10'-5"	—
h5	21	#7	8'-3"	—
h6	28	#7	4'-0"	—
h7	16	#7	2'-0"	—
v	32	#4	11'-3"	—
v1	68	#4	2'-4"	—
v2	12	#4	3'-5"	—
v3	14	#4	2'-0"	—
v4	10	#4	3'-3"	—
v5	10	#4	2'-3"	—
Manhole Steps			Each	8
Type 5 Frame				
Closed Lid			Each	1
Concrete Box Culverts			Cu. Yd.	15.7
Reinforcement Bars (Epoxy Coated)			Pound	3630



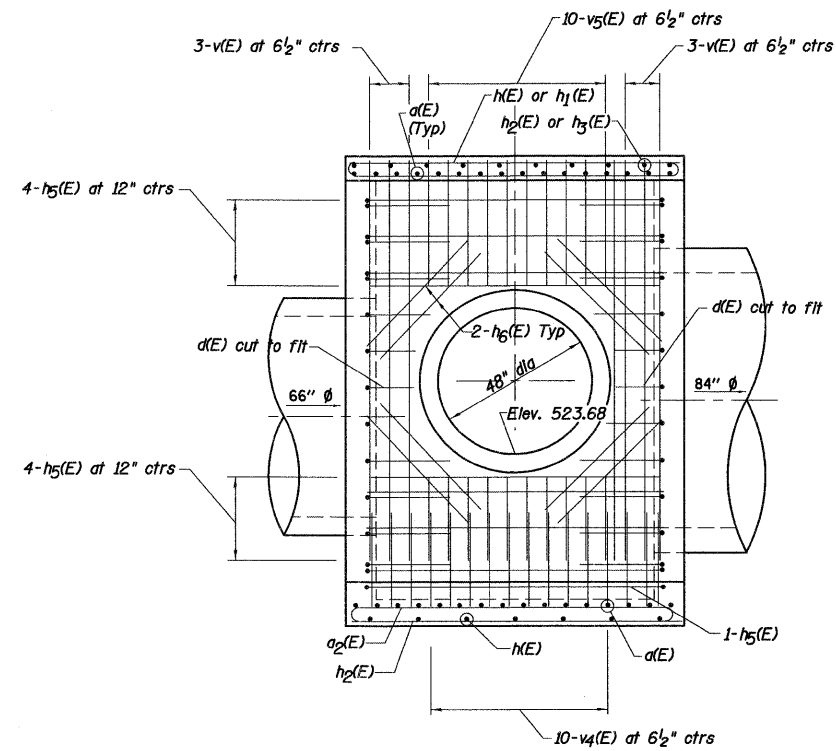
**WALL A**



**WALL B**

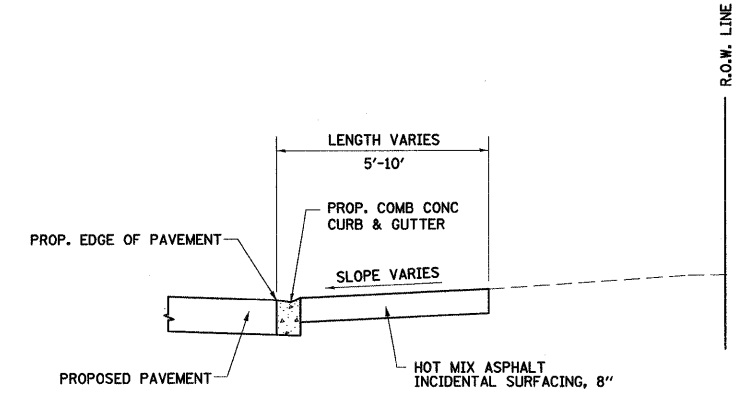
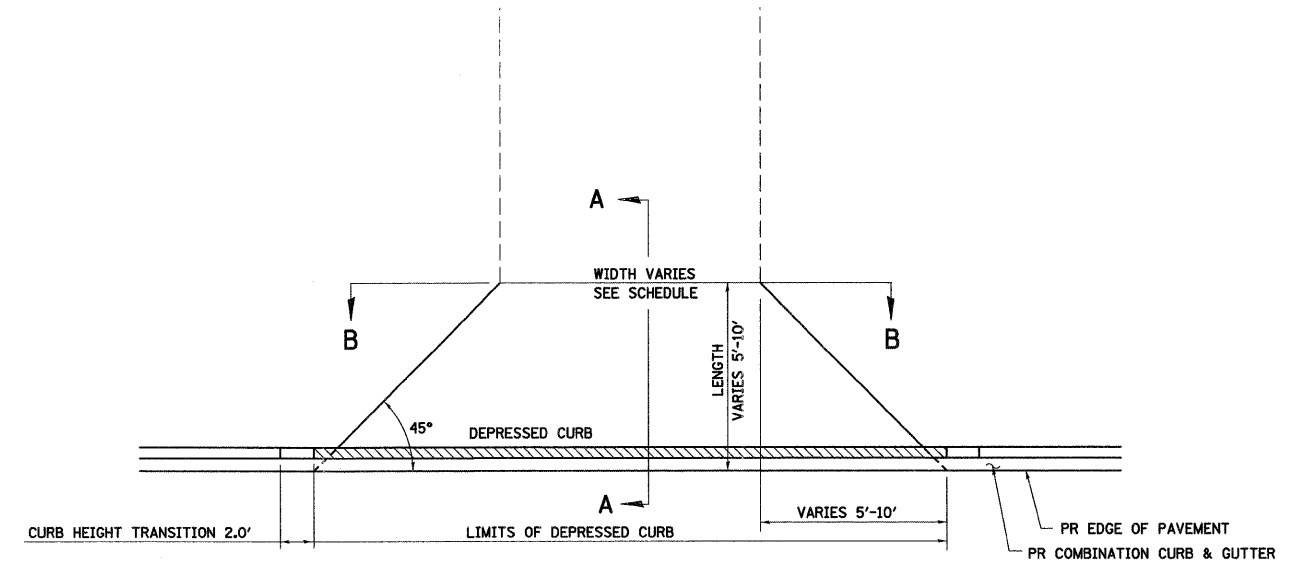
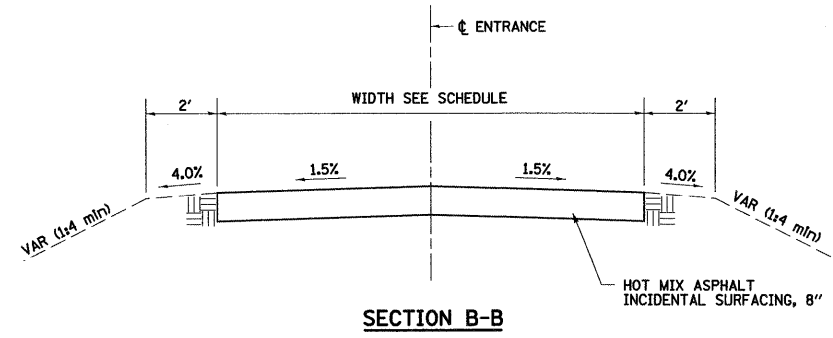


**WALL C**



**WALL D**

FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>JUNCTION CHAMBER DETAIL</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Projects\401-0029-41Y & 160 RIGHLAND\dm\CA00 Sheets\10876C35-sh1-chamber.dgn	PLOT SCALE = 28.000' / IN.	DRAWN - WJS	REVISED -					690	41X-RS-1	MADISON	58	42
PLOT DATE = 1/13/2009	CHECKED - BRM	DATE - 10-2-08	REVISED -		SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.			CONTRACT NO. 76C35				
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



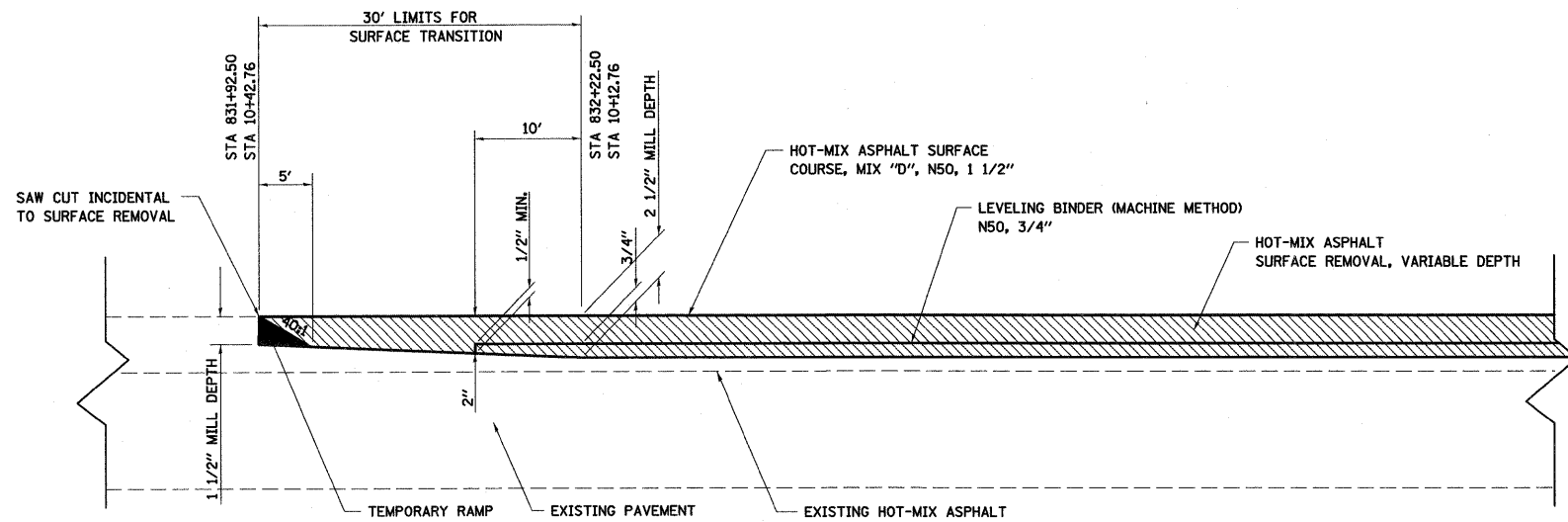
**PLAN - URBAN ENTRANCE  
FLARED RETURNS**

**SECTION A-A  
FOR ASPHALT**

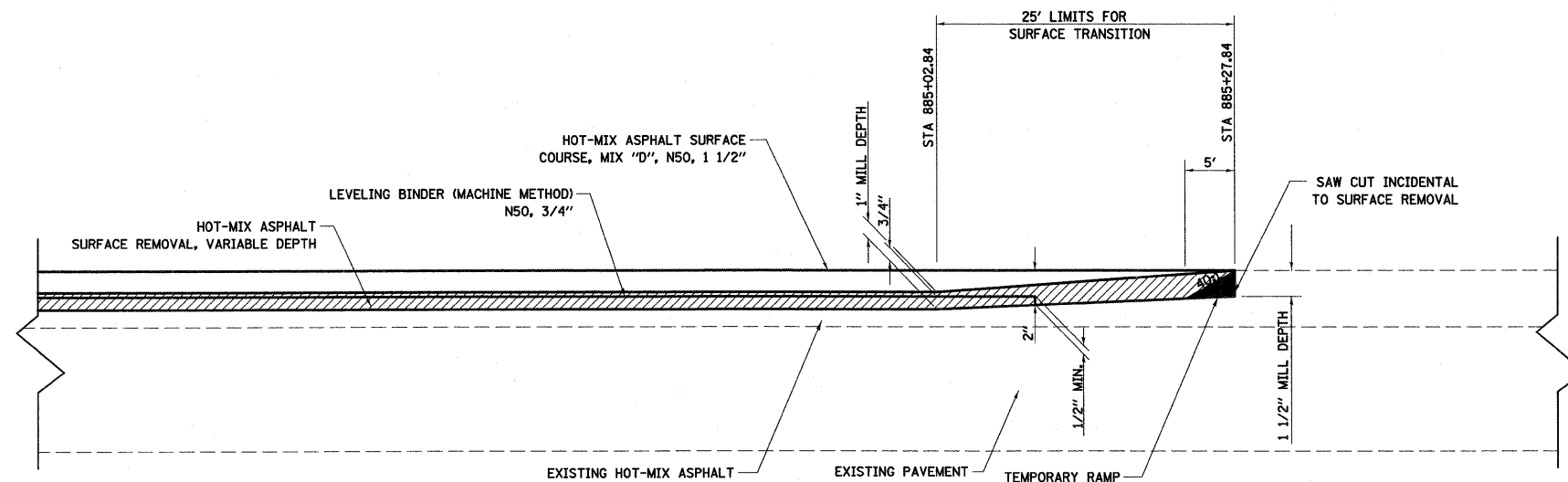
- GENERAL NOTES:
1. THE COMBINATION CONCRETE GUTTER SHALL HAVE A DEPRESSED CURB THROUGH THE ENTRANCE.
  2. THE REMOVAL AND DISPOSAL OF THE DRIVEWAY PAVEMENT STRUCTURE, INCLUDING SURFACE, BASE, AND SUB-BASE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "DRIVEWAY PAVEMENT REMOVAL."

FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ENTRANCE DETAILS</b>			F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 43
S:\Projects\407-0029-6HY IL 160 HIGHLAND\CAAD Sheets\0876C35-sh1-detailed.dgn	PLOT SCALE = 28,0000' / IN.	DRAWN - WJS	REVISED -		SCALE: NONE	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.	<b>CONTRACT NO. 76C35</b>			
	PLOT DATE = 1/13/2009	CHECKED - BRM	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE - 10-2-08	REVISED -									

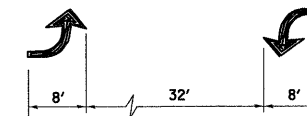




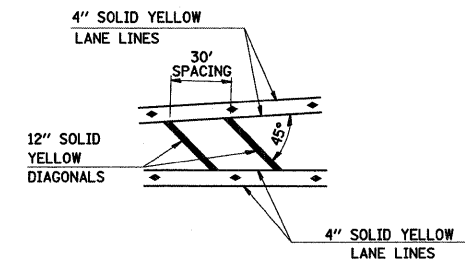
**DETAIL OF BEGINNING SURFACE TRANSITION**  
NOT TO SCALE



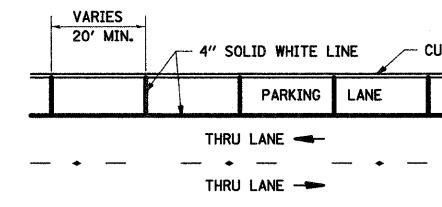
**DETAIL OF ENDING SURFACE TRANSITION**  
NOT TO SCALE



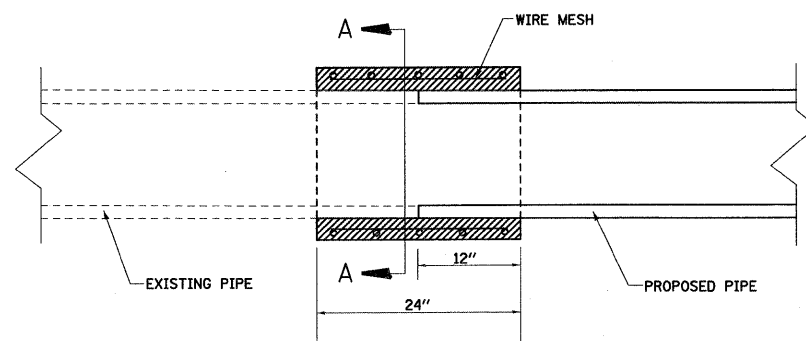
**BI-DIRECTIONAL  
TURN ARROW**  
@ 200' O. C.



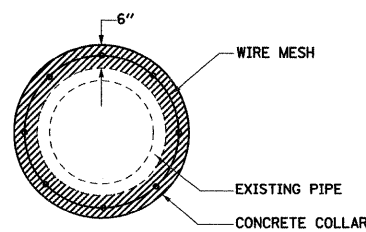
**TYPICAL APPLICATION  
FOR MEDIAN STRIPING**



**TYPICAL PARKING LANE MARKINGS**

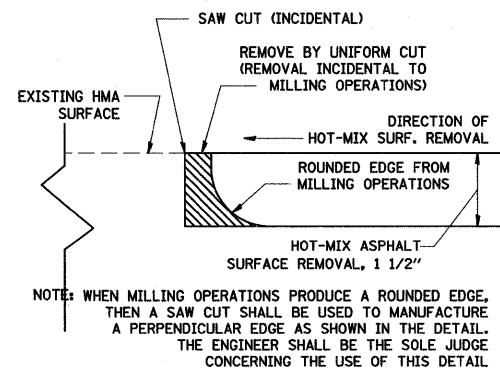


**CONCRETE COLLAR DETAIL OPTION**  
NOT TO SCALE

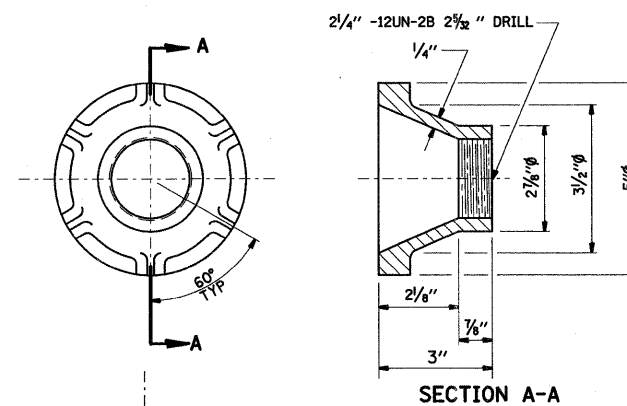


**SECTION A-A**

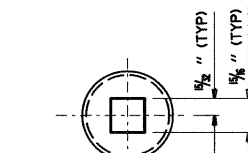
NOTE:  
CLASS SI CONCRETE SHALL BE USED.



**MILLING DETAIL AT SURFACE TRANSITION**  
NOT TO SCALE



**CAST IRON SURVEY  
MONUMENT COVER**



**THREADED BRASS CAP**

**NOTES:**

- ALL DIMENSIONS ARE IN INCHES.
- ALL RADII ARE 3/8" UNLESS SPECIFIED.
- ALL CHAMFERS ARE 45°.
- ROUND ALL SHARP EDGES.
- USE THREADS AND DIMENSIONS AS SPECIFIED OR EQUIVALENT WITH THE APPROVAL OF THE ENGINEER.
- THE SURVEY MONUMENT COVER ASSEMBLY SHOWN IS AN EXAMPLE. OTHER MODELS, SIMILAR IN DESIGN, MAY BE USED WITH THE APPROVAL OF THE ENGINEER.
- THE THREADS OF THE CAP AND COVER WILL BE COATED WITH PIPE TAPE OR PIPE THREAD COMPOUND PRIOR TO INSTALLATION.

FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MISCELLANEOUS DETAILS</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 45		
S:\Projects\407-0029-4RY IL 160 (HIGHLAND)\dgn\CADD Sheets\0876C35-shr-deta1.dgn	PLOT SCALE = 28.0000' / IN.	DRAWN - WJS	REVISED -			SCALE: NONE	SHEET NO. 3 OF 3 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	<b>CONTRACT NO. 76C35</b>		
	PLOT DATE = 1/14/2009	CHECKED - BRM	REVISED -									
		DATE - 10-2-08	REVISED -									

**TRAFFIC SIGNAL SCHEDULE**

CODED NO	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				100% STATE ROADWAY 1000-2A	50% CITY ROADWAY 1000-2A	100% CITY ROADWAY 1000-2A
81000400	CONDUIT IN TRENCH, 1 1/4" DIA., GALVANIZED STEEL	FOOT	24	24		
81000500	CONDUIT IN TRENCH, 1 1/2" DIA., GALVANIZED STEEL	FOOT	28	28		
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 2C	FOOT	61	61		
88500100	INDUCTIVE LOOP DETECTOR	EACH	18	18		
88600100	DETECTOR LOOP, TYPE I	FOOT	3394	3394		
89501510	RELOCATE EXISTING FLASHING BEACON	EACH	1	1		

**GENERAL NOTES**

ALL TRAFFIC SIGNAL CABLE SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED.

THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT. DETECTOR LOOPS SHALL BE CENTERED IN RESPECTIVE LANE.

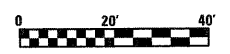
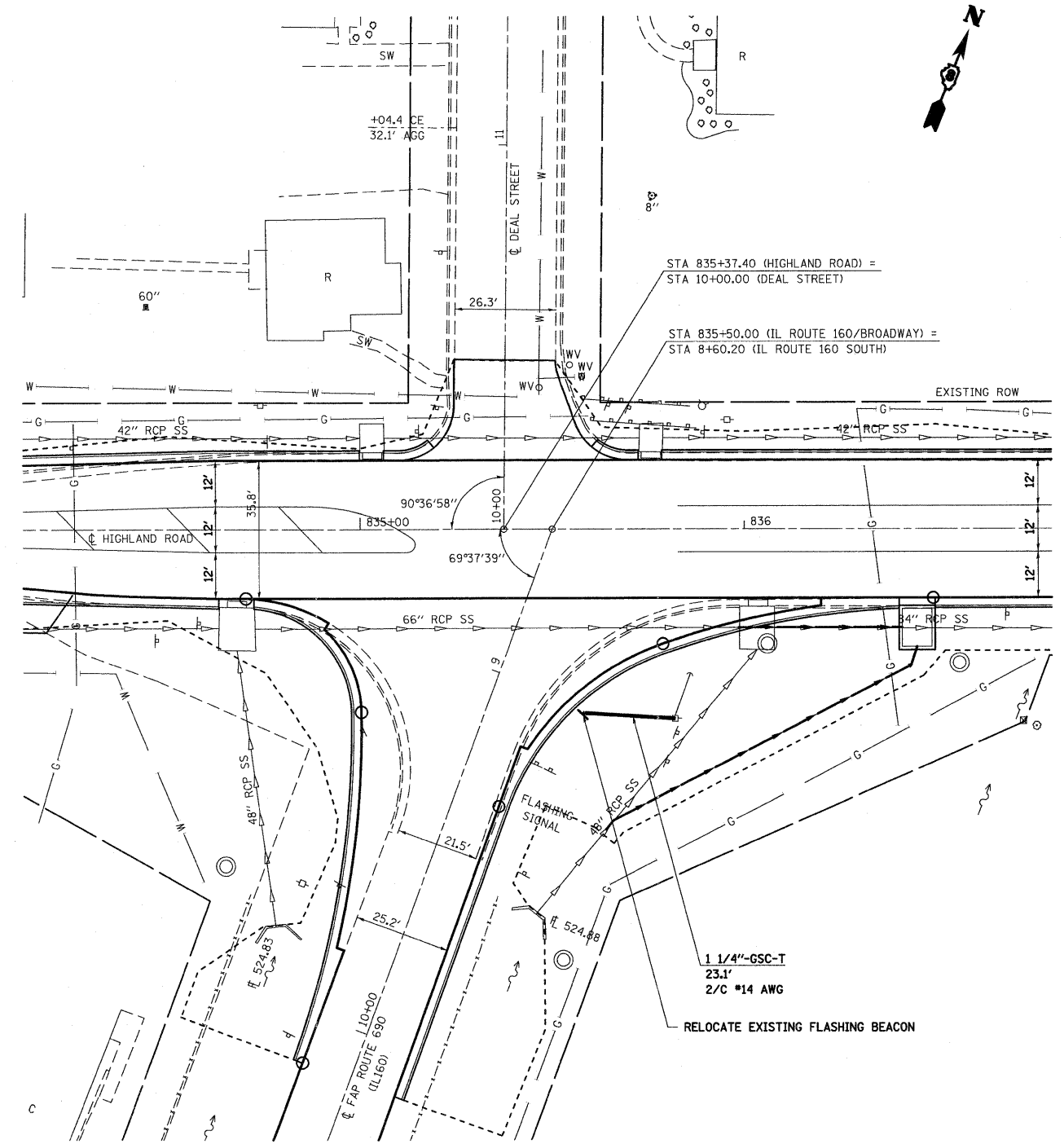
DETECTOR LOOP LEAD-IN SPLICES SHALL BE MADE IN A HANDHOLE. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD. ROSIN CORE SOLDER SHALL BE USED.

THE NUMBER OF TURNS FOR INDUCTIVE LOOP INSTALLATION SHALL BE AS FOLLOWS:  
ALL QUADRAPOLE LOOPS SHALL BE 3-6-3 6'X50'.

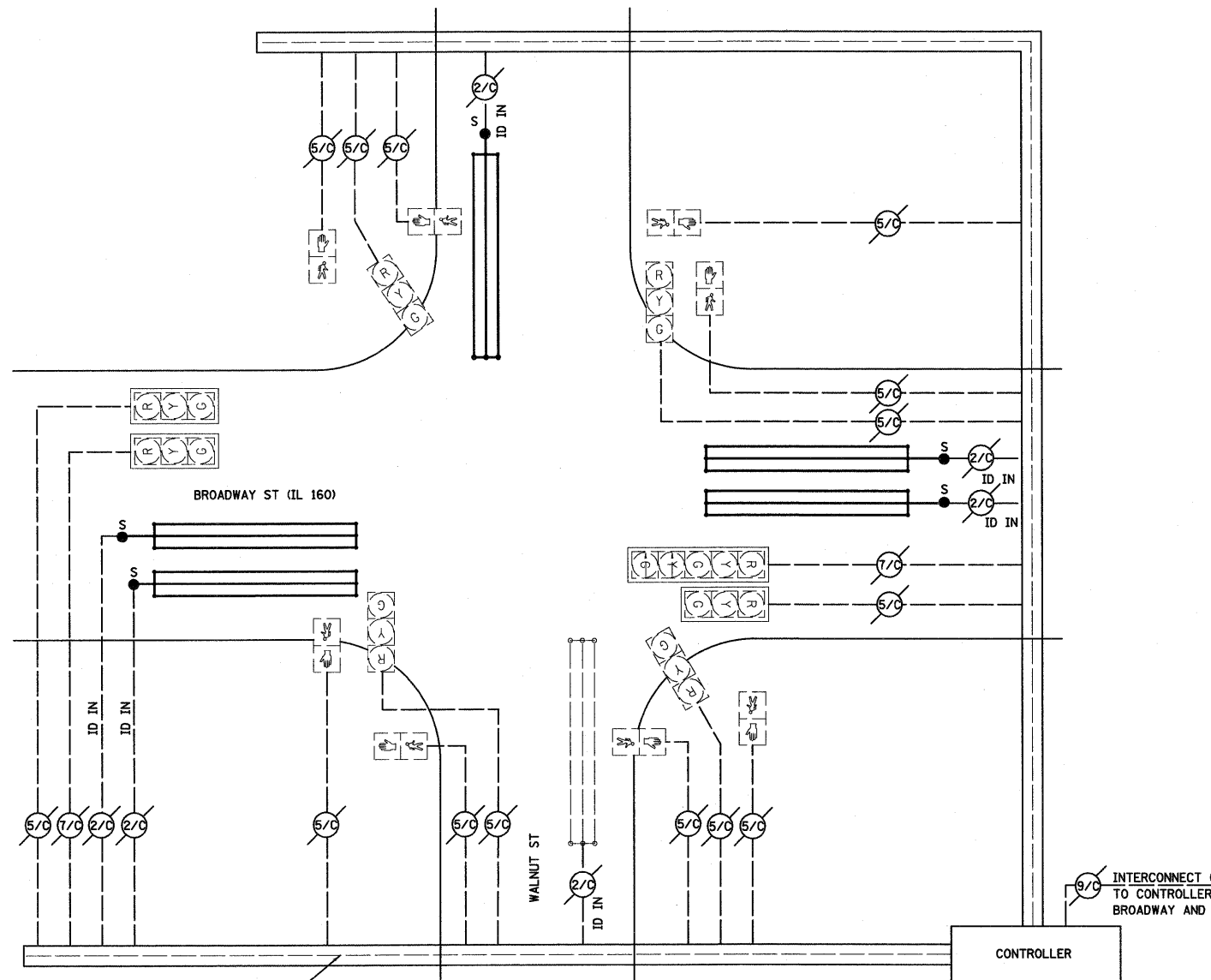
IN AREAS THAT ARE TO RECEIVE HOT-MIX ASPHALT LEVELING BINDER AND SURFACE OVERLAYS THE DETECTOR LOOPS SHALL BE INSTALLED AFTER THE LEVELING BINDER AND PRIOR TO THE SURFACE COURSE.

**CABLE DIAGRAM LEGEND**

- ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S PROPOSED CABLE SPLICE (SEE GENERAL NOTES)
- 2/C ELECTRIC CABLE IN CONDUIT, NO. 14 2/C
- 5/C ELECTRIC CABLE IN CONDUIT, NO. 14 5/C
- 7/C ELECTRIC CABLE IN CONDUIT, NO. 14 7/C
- 2/C #6 AWG ELECTRIC CABLE IN CONDUIT, NO. 6 2/C (SERVICE)
- ID IN ELECTRIC CABLE LEAD-IN, 1 PAIR
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- \*6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)



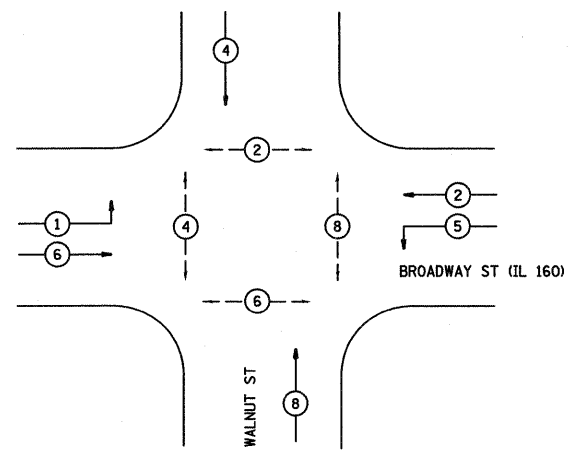
FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL SHEET, FLASHING BEACON, IL ROUTE 160</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 46	
Si\Projects\407-0029-81V IL 160 (98)HILAND\dn\CA00 Sheets\0876C35-ah1-fa.dgn	PLOT SCALE = 20,000' / IN.	DRAWN - WJS	REVISED -			SCALE: 1" = 20'	SHEET NO. 1 OF 5 SHEETS	STA. 832+00.00 TO STA. 838+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76C35
	PLOT DATE = 1/14/2009	CHECKED - BRM	REVISED -								
		DATE - 9-29-08	REVISED -								



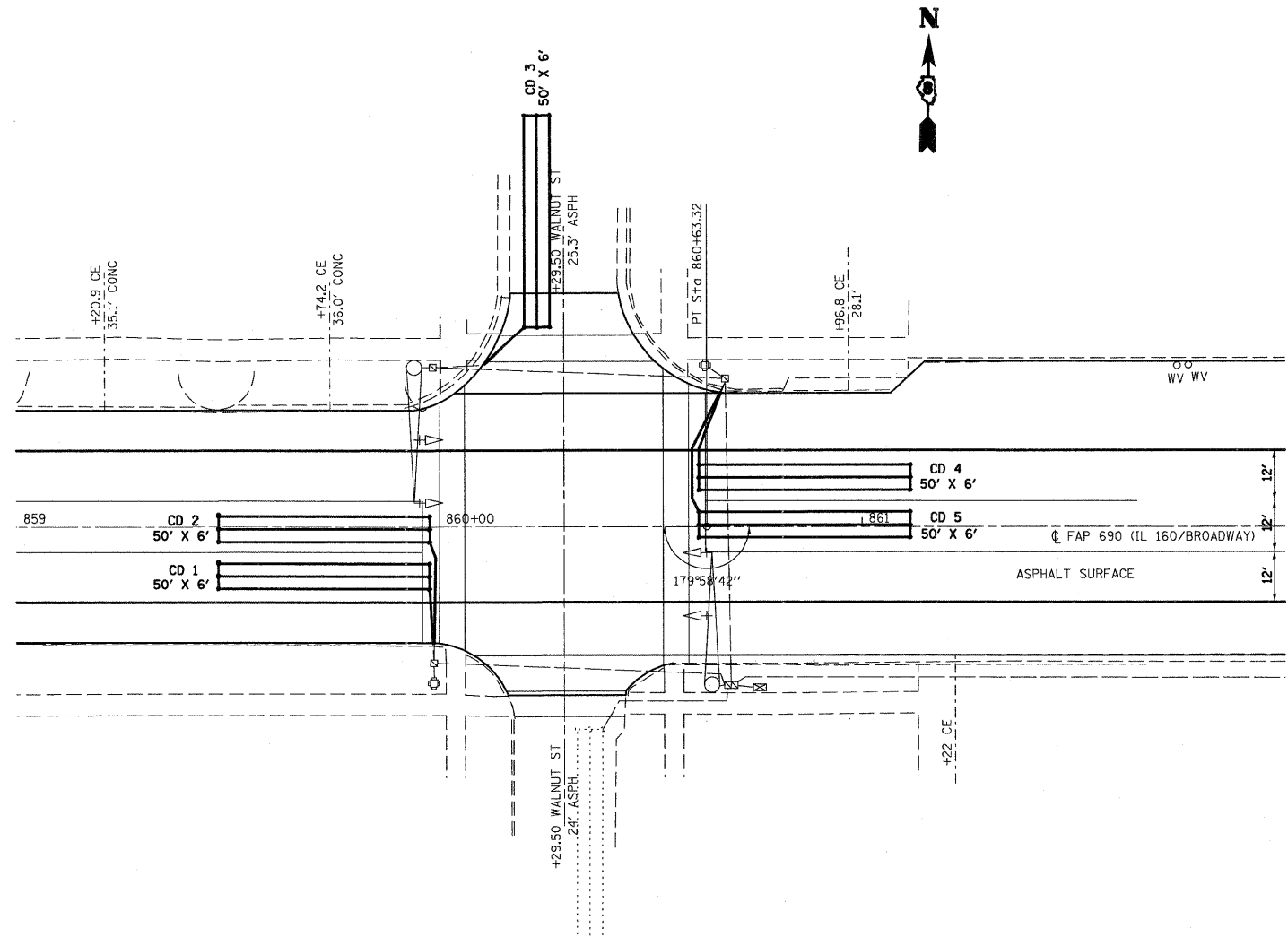
CABLE DIAGRAM

CABLE DIAGRAM LEGEND

- ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S PROPOSED CABLE SPLICE (SEE GENERAL NOTES)
- 2/C ELECTRIC CABLE IN CONDUIT, NO. 14 2/C
- 5/C ELECTRIC CABLE IN CONDUIT, NO. 14 5/C
- 7/C ELECTRIC CABLE IN CONDUIT, NO. 14 7/C
- 2/C #6 AWG ELECTRIC CABLE IN CONDUIT, NO. 6 2/C (SERVICE)
- ID IN ELECTRIC CABLE LEAD-IN, 1 PAIR
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- \*6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)

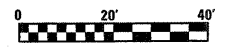


PHASE DESIGNATION DIAGRAM

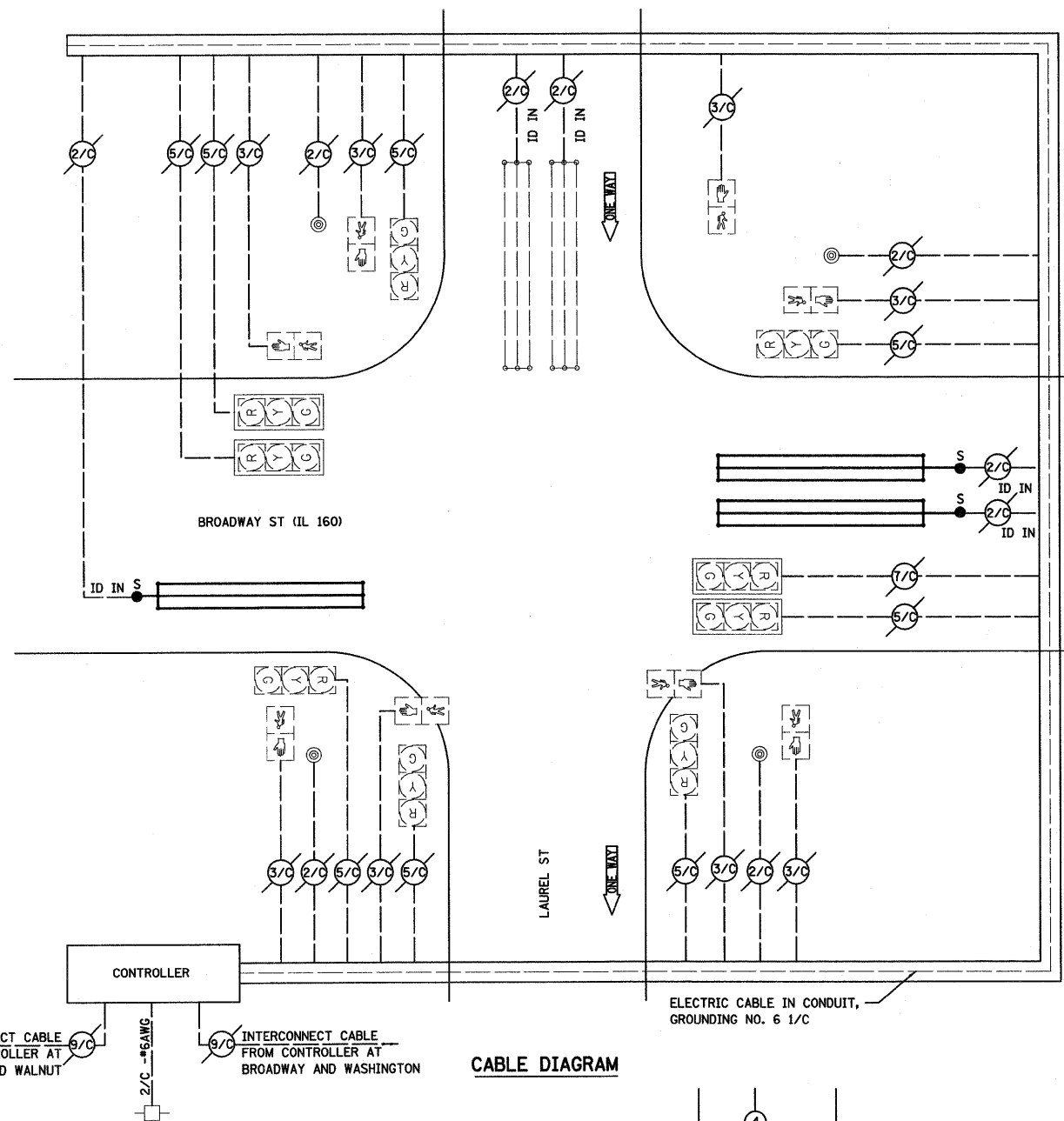


PLAN VIEW

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS						
NO.	LOOP	PHASE	LOOP SIZE FT	REQ'D NO OF TURNS	CALCULATED INDUCTANCE (uH)	CALCULATED RESISTANCE (OHMS)
1	EB THRU CD	6	50 X 6	3-6-3	812.00	3.77
2	EB LT CD	1	50 X 6	3-6-3	814.53	3.83
3	SB THRU CD	4	50 X 6	3-6-3	830.57	4.19
4	WB THRU CD	2	50 X 6	3-6-3	813.13	3.80
5	WB LT CD	5	50 X 6	3-6-3	815.81	3.86



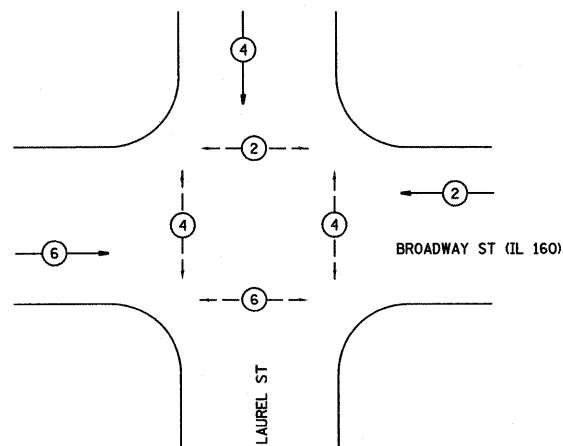




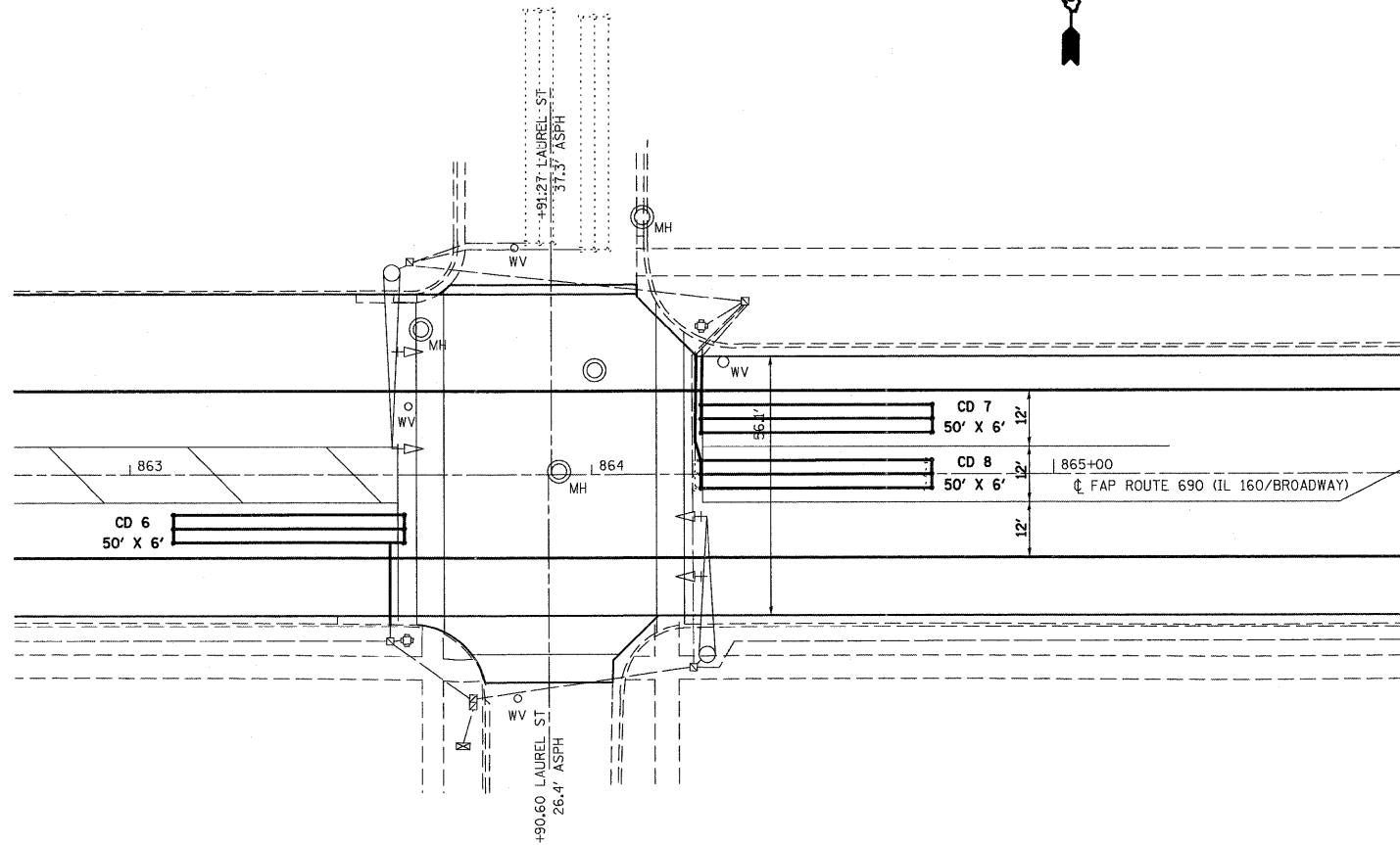
**CABLE DIAGRAM**

**CABLE DIAGRAM LEGEND**

- ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- PROPOSED CABLE SPLICE (SEE GENERAL NOTES)
- 2/C ELECTRIC CABLE IN CONDUIT, NO. 14 2/C
- 5/C ELECTRIC CABLE IN CONDUIT, NO. 14 5/C
- 7/C ELECTRIC CABLE IN CONDUIT, NO. 14 7/C
- 2/C #6 AWG ELECTRIC CABLE IN CONDUIT, NO. 6 2/C (SERVICE)
- ID IN ELECTRIC CABLE LEAD-IN, 1 PAIR
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- \*6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)

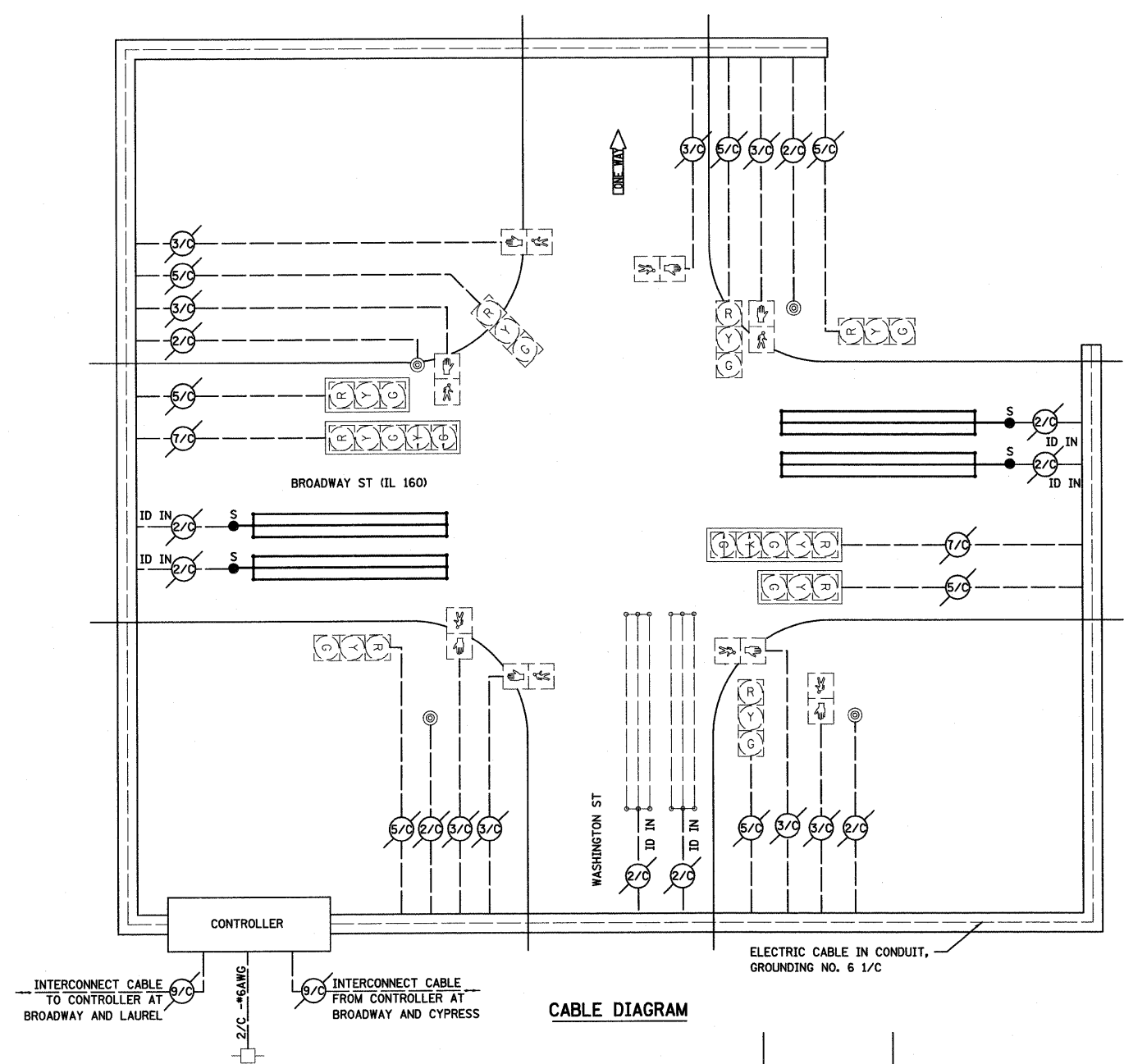


**PHASE DESIGNATION DIAGRAM**



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS						
NO.	LOOP	PHASE	LOOP SIZE FT	REQ'D NO OF TURNS	CALCULATED INDUCTANCE (μH)	CALCULATED RESISTANCE (OHMS)
6	EB THRU CD	6	50 X 6	3-6-3	802.72	3.56
7	WB THRU CD	2	50 X 6	3-6-3	829.32	4.16
8	WB LT CD	2	50 X 6	3-6-3	832.20	4.23

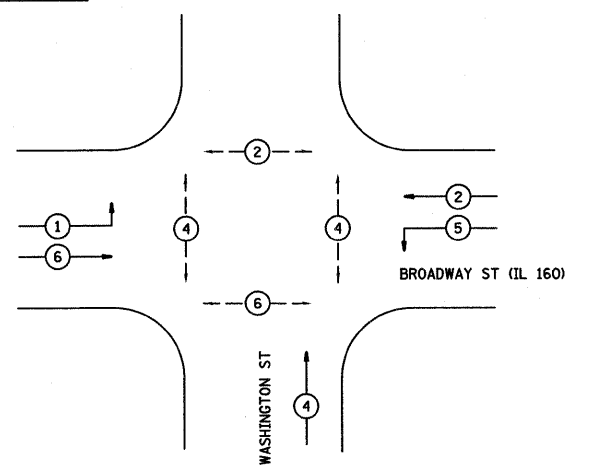




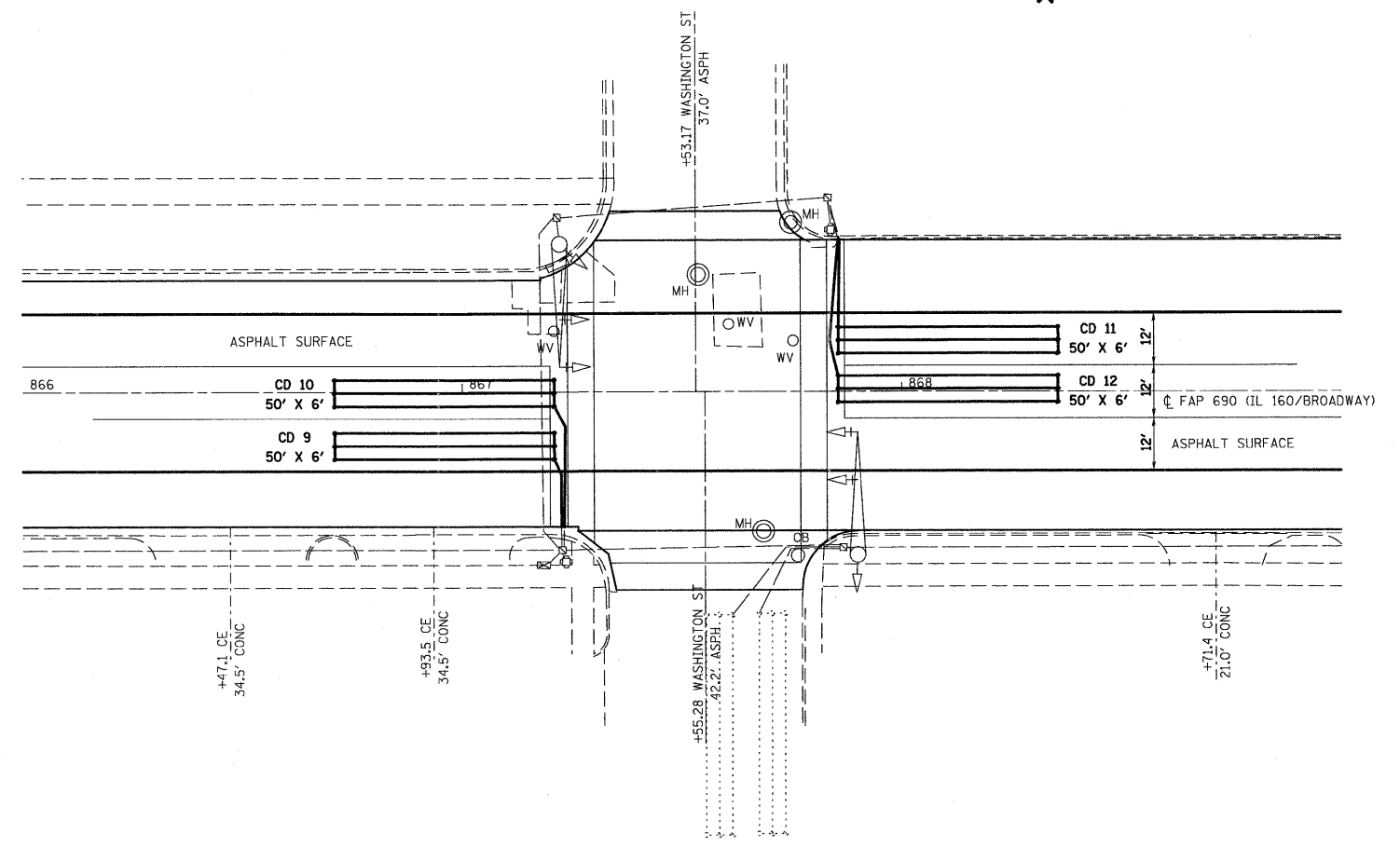
**CABLE DIAGRAM**

**CABLE DIAGRAM LEGEND**

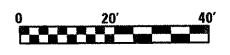
- ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- S PROPOSED CABLE SPLICE (SEE GENERAL NOTES)
- 2/C ELECTRIC CABLE IN CONDUIT, NO. 14 2/C
- 5/C ELECTRIC CABLE IN CONDUIT, NO. 14 5/C
- 7/C ELECTRIC CABLE IN CONDUIT, NO. 14 7/C
- 2/C #6 AWG ELECTRIC CABLE IN CONDUIT, NO. 6 2/C (SERVICE)
- ID IN ELECTRIC CABLE LEAD-IN, 1 PAIR
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- \*6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)

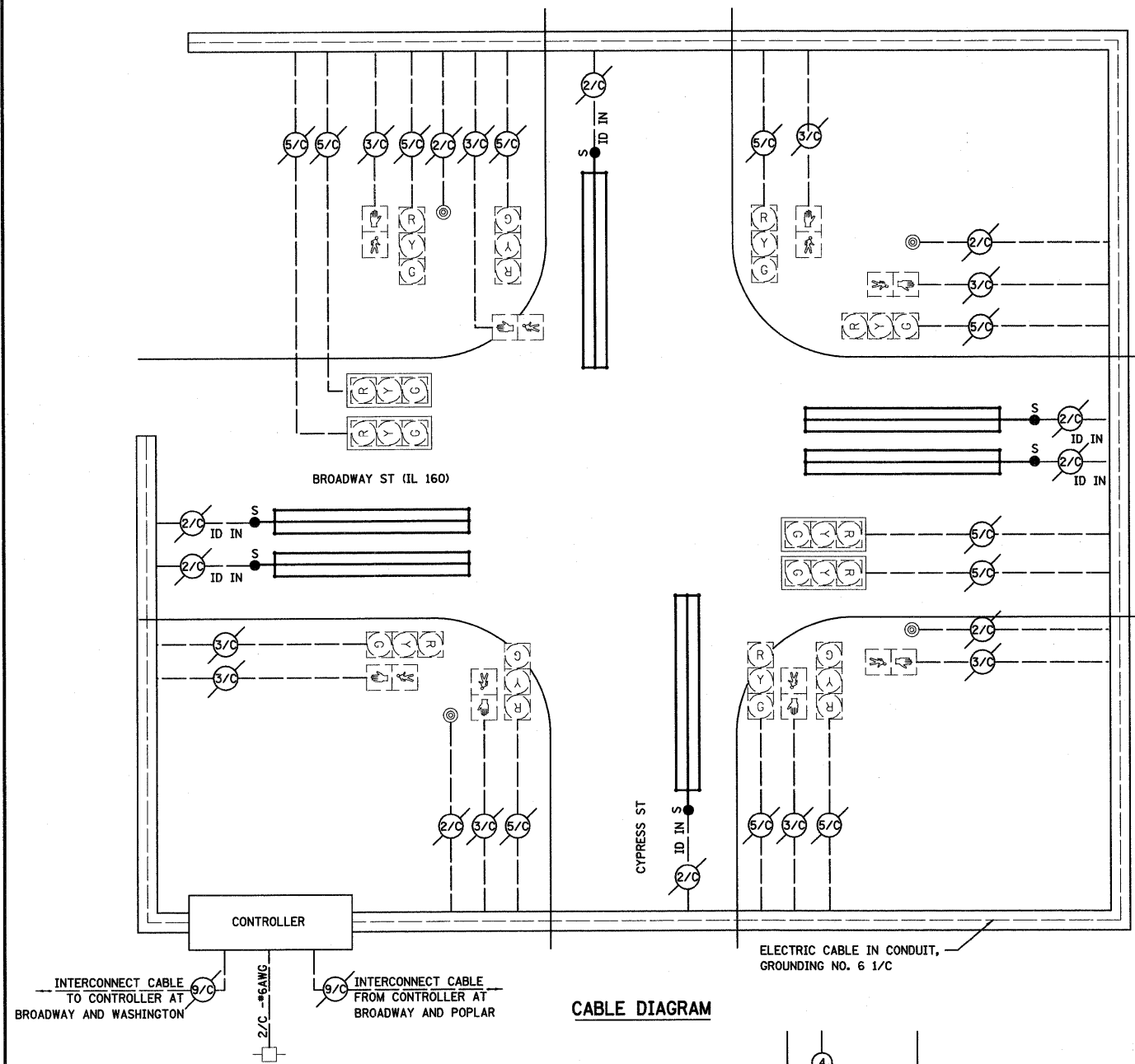
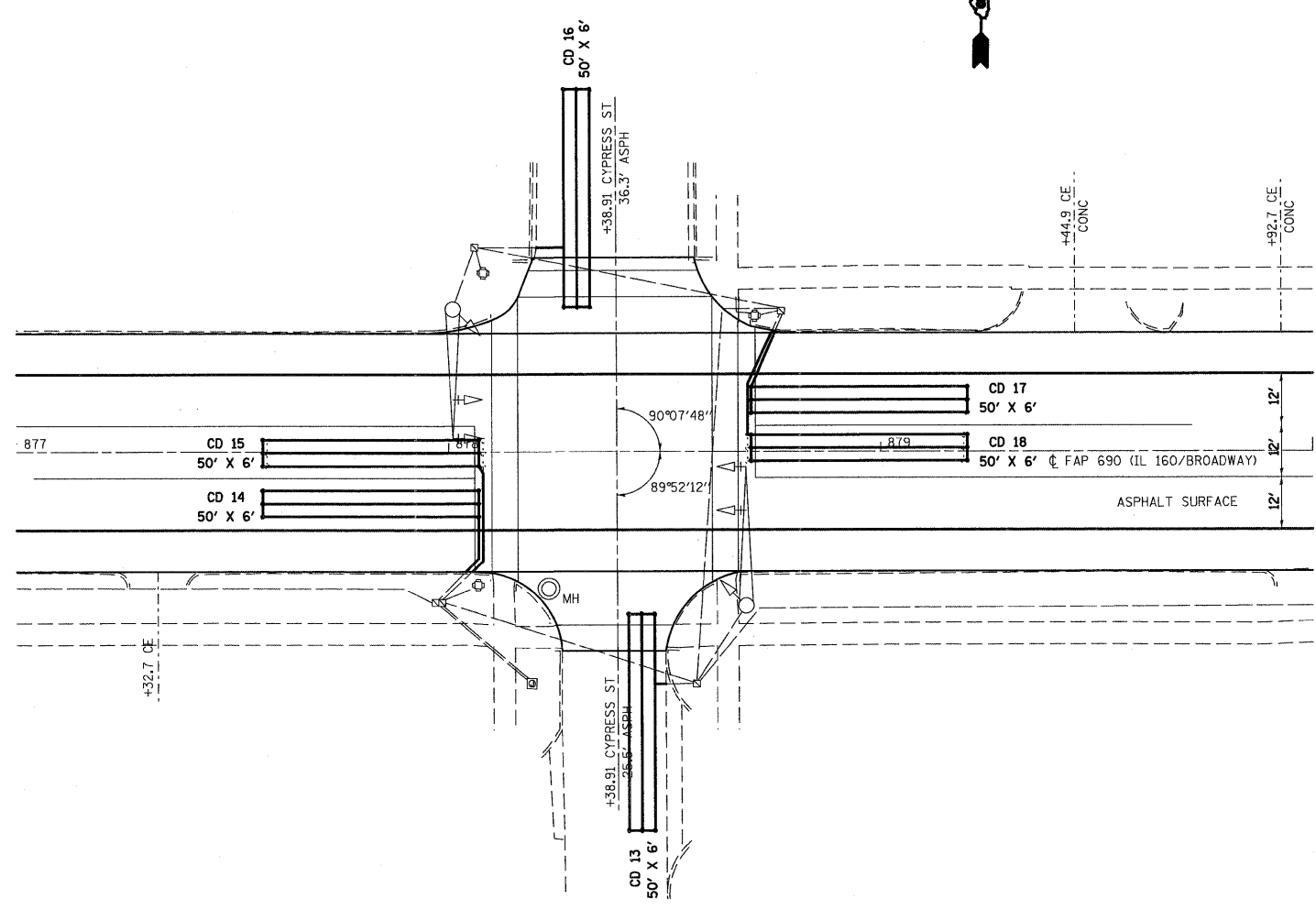


**PHASE DESIGNATION DIAGRAM**



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS						
NO.	LOOP	PHASE	LOOP SIZE FT	REQ'D NO OF TURNS	CALCULATED INDUCTANCE (uH)	CALCULATED RESISTANCE (OHMS)
9	EB THRU CD	6	50 X 6	3-6-3	795.37	3.39
10	EB LT CD	1	50 X 6	3-6-3	798.08	3.45
11	WB THRU CD	2	50 X 6	3-6-3	831.08	4.20
12	WB LT CD	5	50 X 6	3-6-3	833.61	4.26

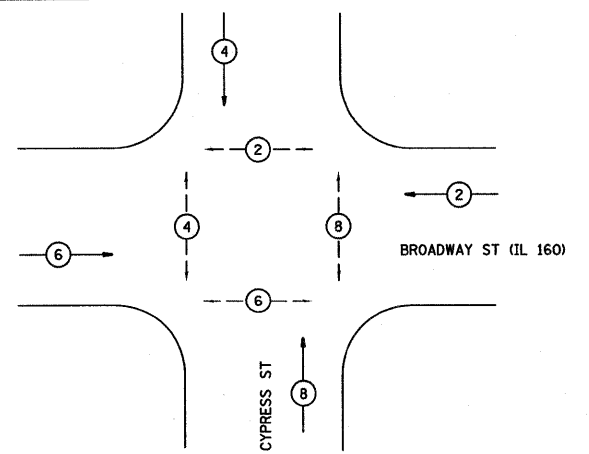




**CABLE DIAGRAM**

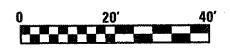
**CABLE DIAGRAM LEGEND**

- ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- PROPOSED CABLE SPLICE (SEE GENERAL NOTES)
- 2/C ELECTRIC CABLE IN CONDUIT, NO. 14 2/C
- 5/C ELECTRIC CABLE IN CONDUIT, NO. 14 5/C
- 7/C ELECTRIC CABLE IN CONDUIT, NO. 14 7/C
- 2/C #6 AWG ELECTRIC CABLE IN CONDUIT, NO. 6 2/C (SERVICE)
- ID IN ELECTRIC CABLE LEAD-IN, 1 PAIR
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)



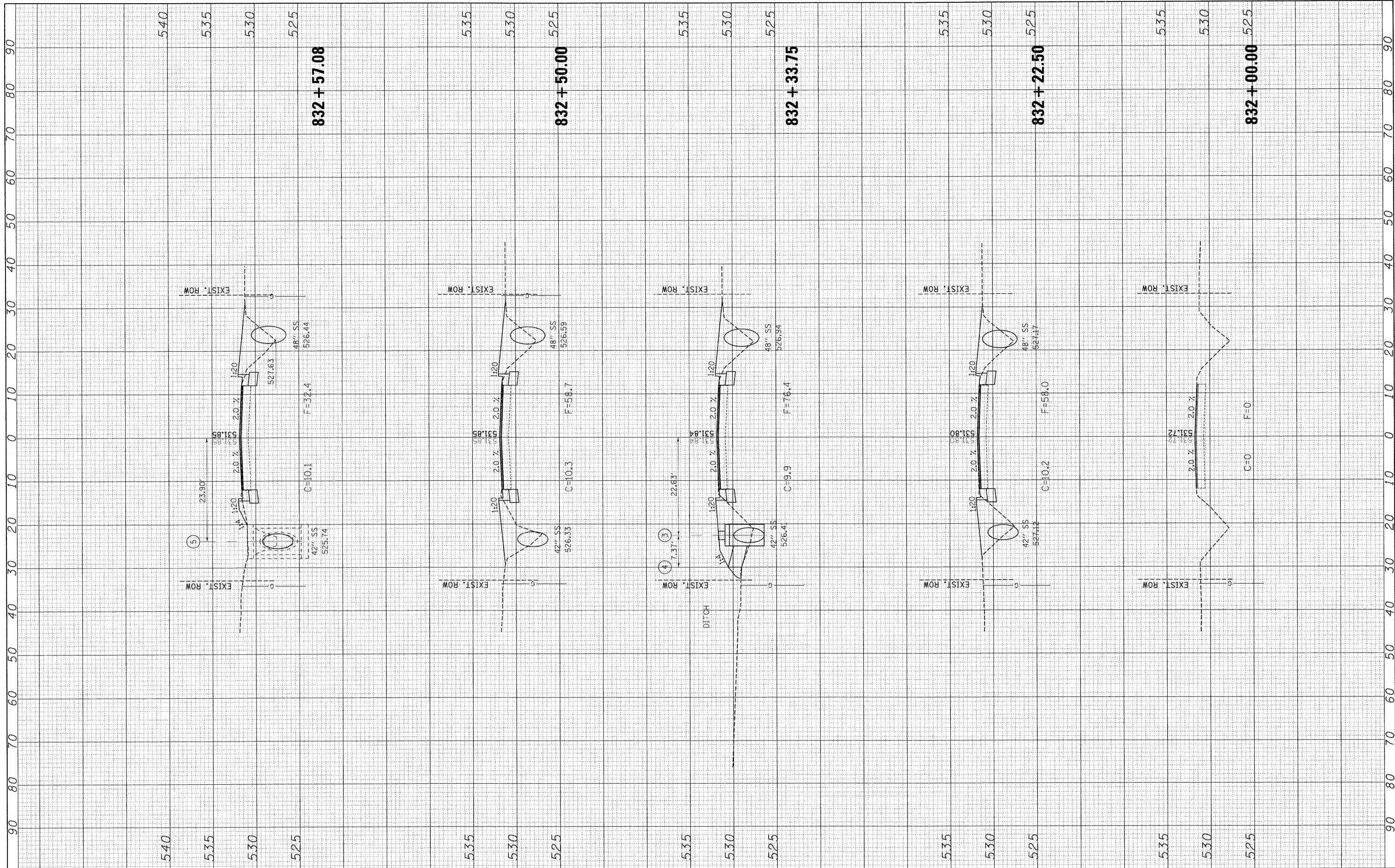
**PHASE DESIGNATION DIAGRAM**

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS						
NO.	LOOP	PHASE	LOOP SIZE FT	REQ'D NO OF TURNS	CALCULATED INDUCTANCE (uH)	CALCULATED RESISTANCE (OHMS)
13	NB THRU CD	8	50 X 6	3-6-3	813.15	3.80
14	EB THRU CD	6	50 X 6	3-6-3	800.96	3.52
15	EB LT CD	6	50 X 6	3-6-3	803.78	3.58
16	SB THRU CD	4	50 X 6	3-6-3	856.49	4.78
17	WB THRU CD	2	50 X 6	3-6-3	838.76	4.38
18	WB LT CD	2	50 X 6	3-6-3	841.46	4.44



BY	DATE

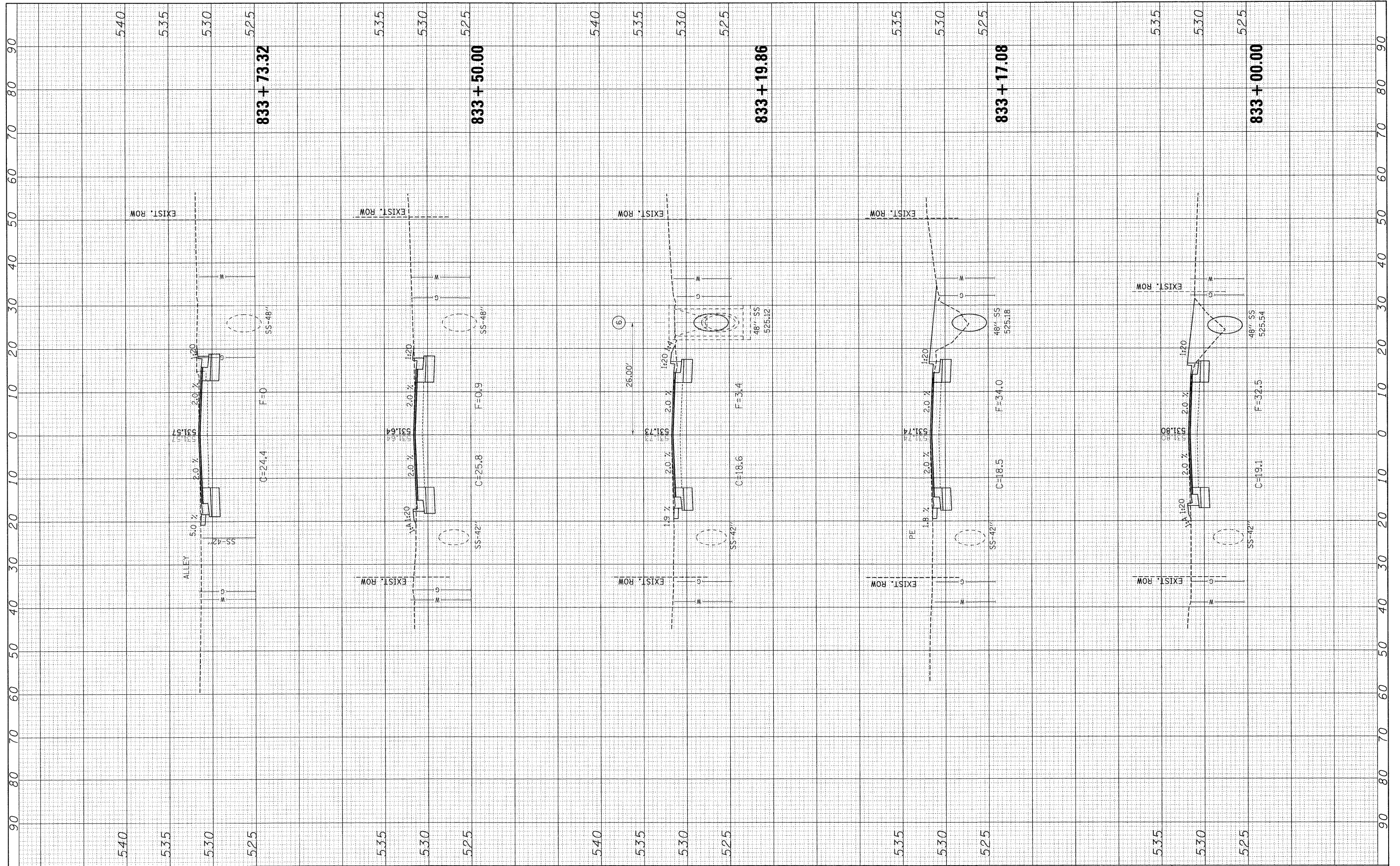
BY	DATE



FILE NAME =	USER NAME = pau	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS, IL ROUTE 160 (BROADWAY)</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 51		
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PLOT DATE = 1/13/2009	DATE -	CHECKED - DRM	REVISED -									
		DATE -	REVISED -									
		DATE -	REVISED -									

FINAL SURVEY	DATE
SURVEY PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS	
AREAS CHECKED	

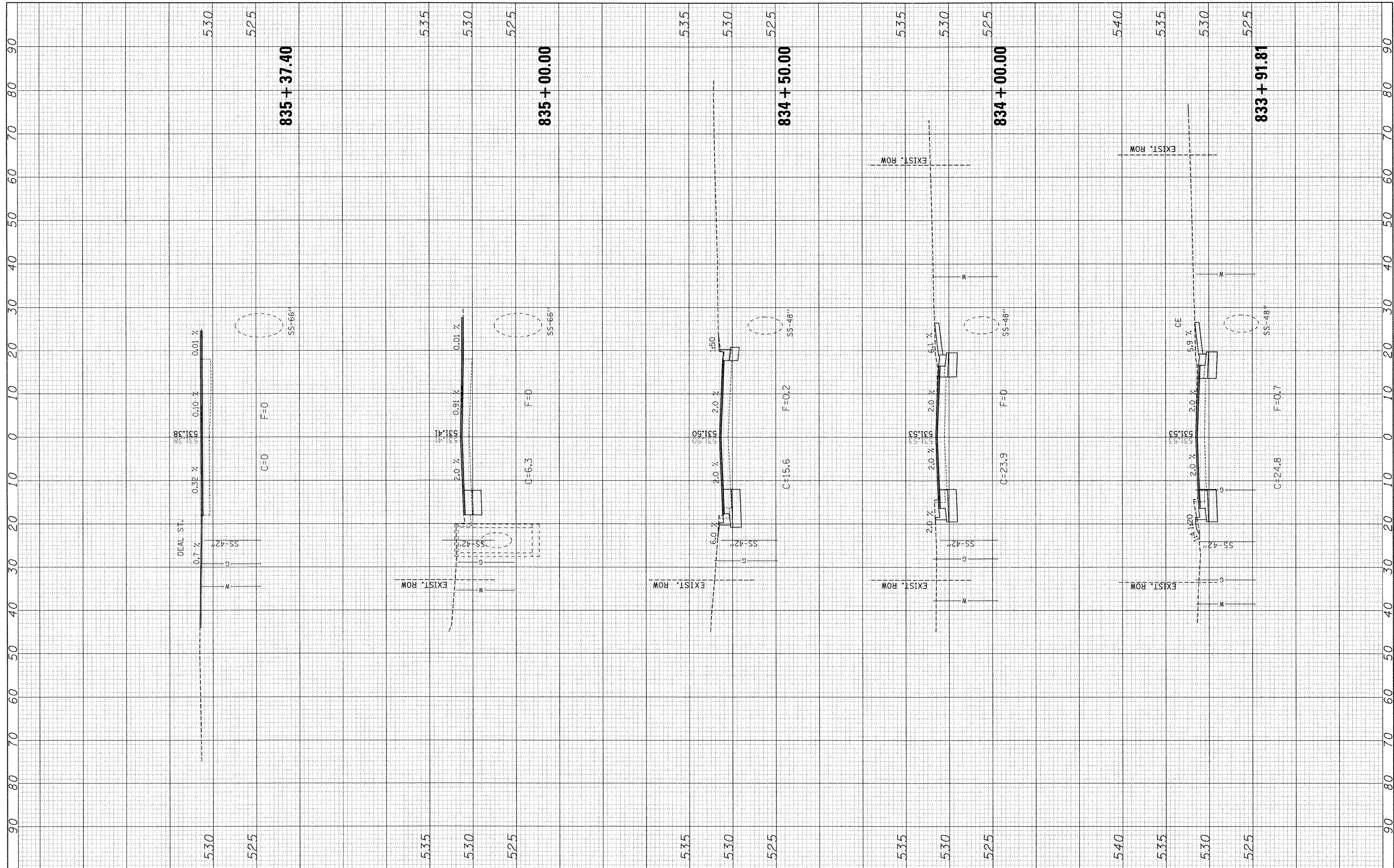
ORIGINAL SURVEY	DATE
SURVEY PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS	
AREAS CHECKED	



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PLOT SCALE = 10,0000' / IN.		DRAWN - WJS	REVISED -		SCALE: 10					
PLOT DATE = 1/13/2009		CHECKED - DRM	REVISED -		SHEET NO. 2 OF 7 SHEETS	STA. 833+00.00 TO STA. 833+73.32	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -						CONTRACT NO. 76C35	

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

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



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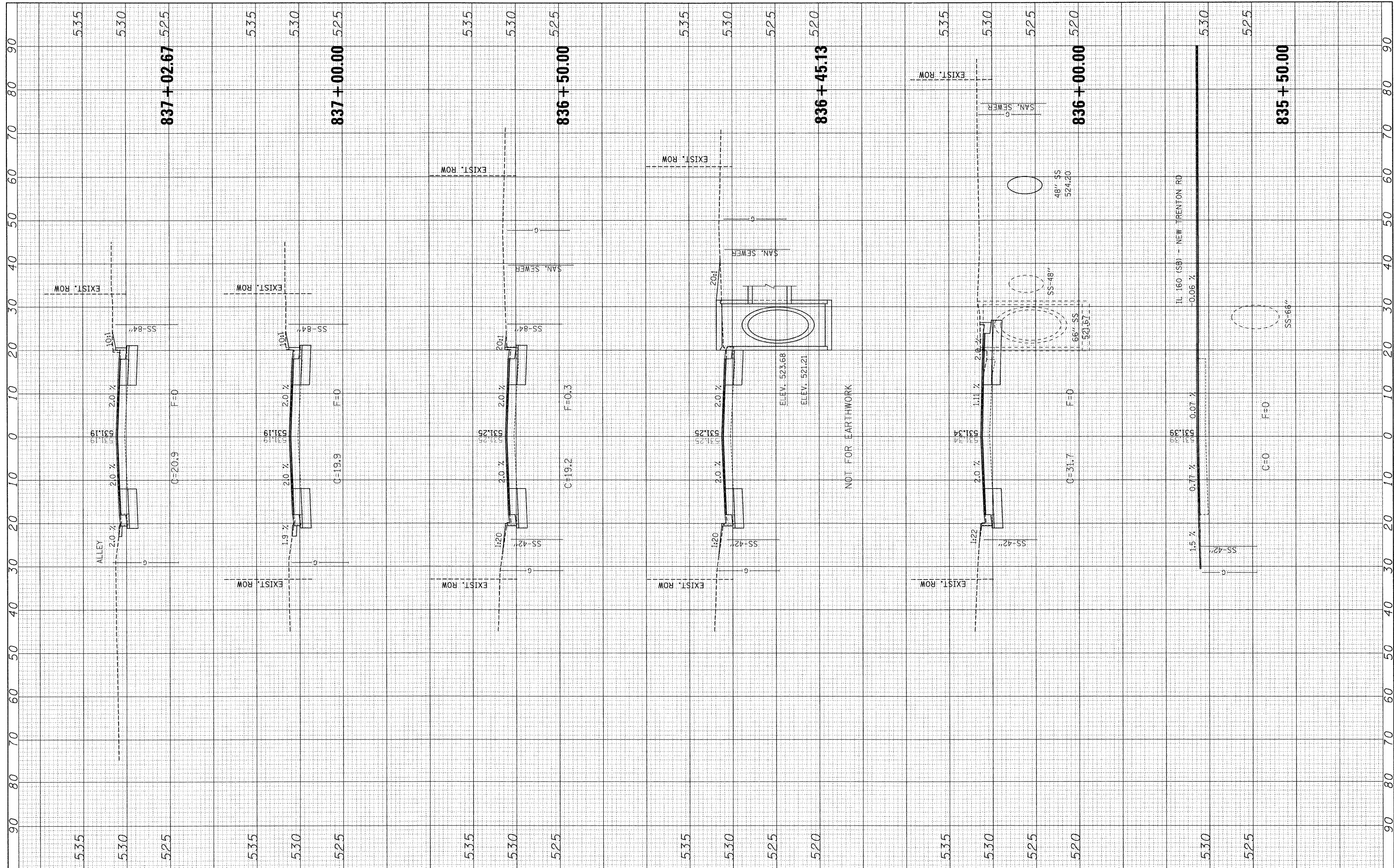
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS, IL ROUTE 160 (BROADWAY)**  
 SCALE: 10 SHEET NO. 3 OF 7 SHEETS STA. 833+91.81 TO STA. 835+37.40

F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 53
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C35	

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

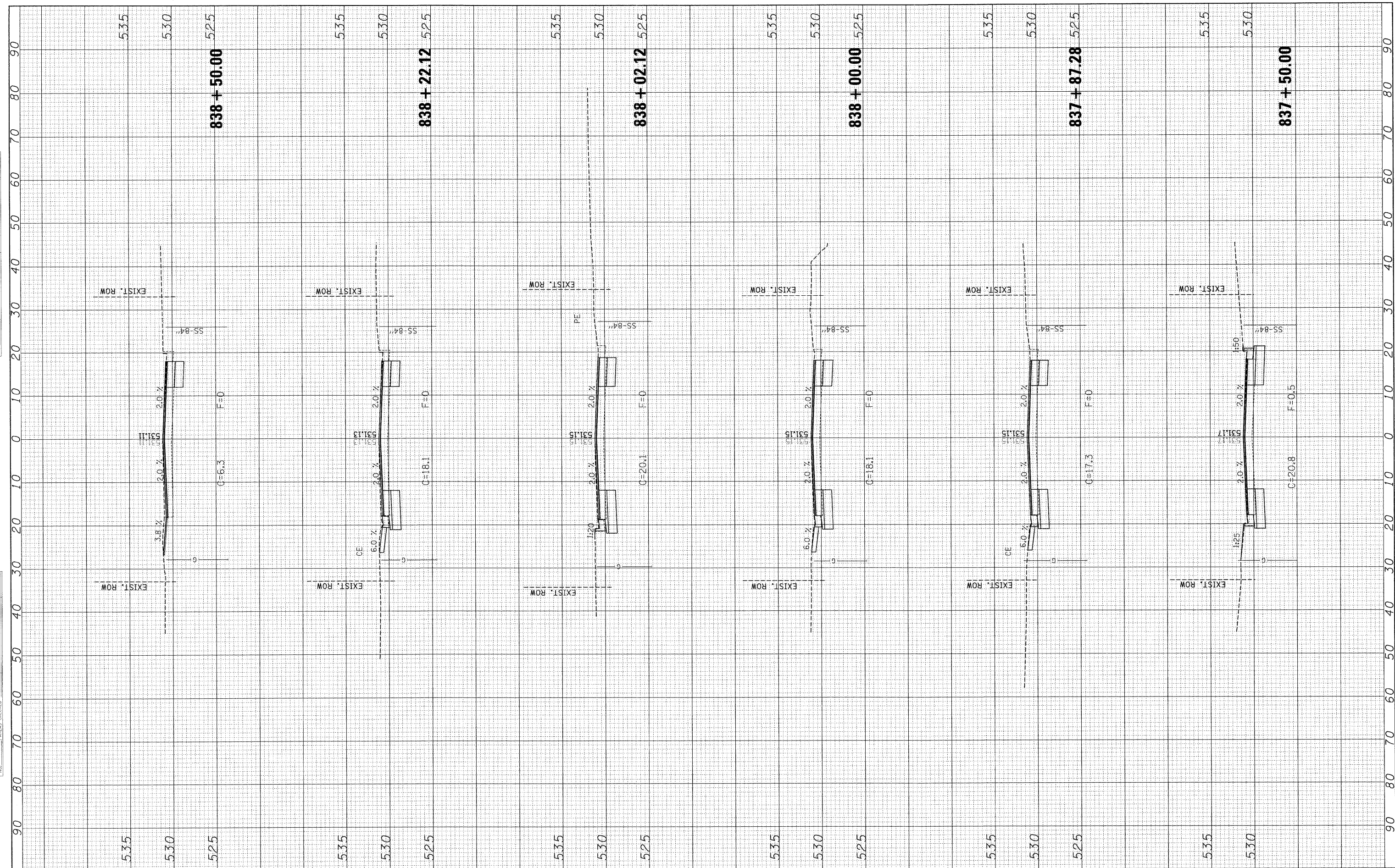
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		



FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS, IL ROUTE 160 (BROADWAY)</b>	F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 54		
S:\Projects\1407-0629-4HY IL 160 (BROADWAY)\dgn\14070629-4HY-0818-SS-sh1-xssm1.dgn	PLOT SCALE = 10,0000' / IN.	DRAWN - WJS	REVISED -			SCALE: 10	SHEET NO. 4 OF 7 SHEETS	STA. 835+50.00 TO STA. 837+02.67	CONTRACT NO. 76C35			
	PLOT DATE = 1/13/2009	CHECKED - DRM	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
		DATE -	REVISED -									

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

ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTED	
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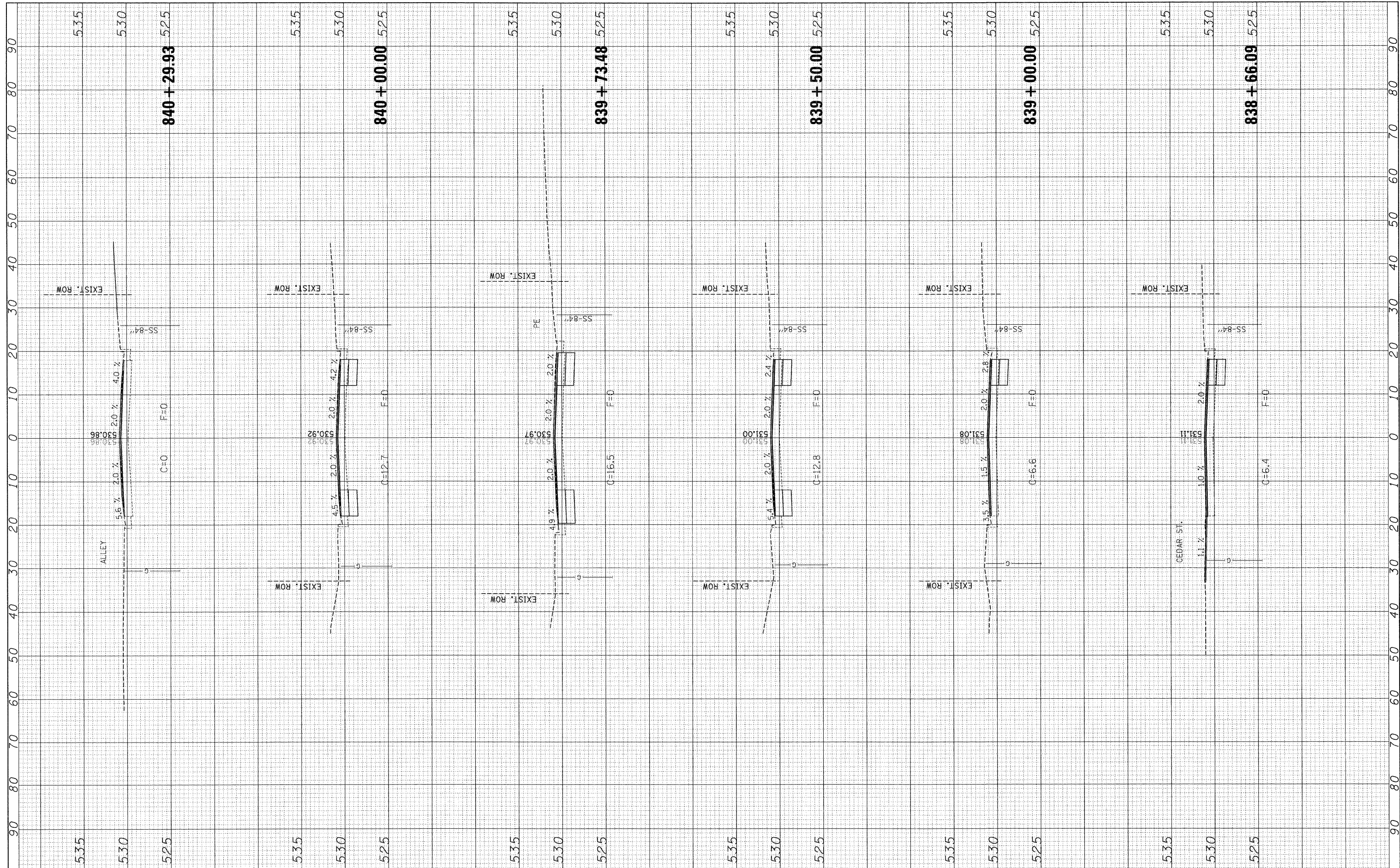


FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS, IL ROUTE 160 (BROADWAY)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Projects\401-0029-411 L 160 (HIGHLAND)\cadd\Sheets\087635-ant-rs-1.dgn	PLOT SCALE = 10.0000' / IN.	DRAWN - WJS	REVISED -			690	41X-RS-1	MADISON	58	55
PLOT DATE = 1/13/2009	DATE -	CHECKED - DRM	REVISED -			CONTRACT NO. 76C35				
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SCALE: 10 SHEET NO. 5 OF 7 SHEETS STA. 837+50.00 TO STA. 838+50.00										



FINN	SURVEY	DATE
NO.	NO.	NO.
NO.	NO.	NO.

ORIGINAL	DATE
NO.	NO.
NO.	NO.

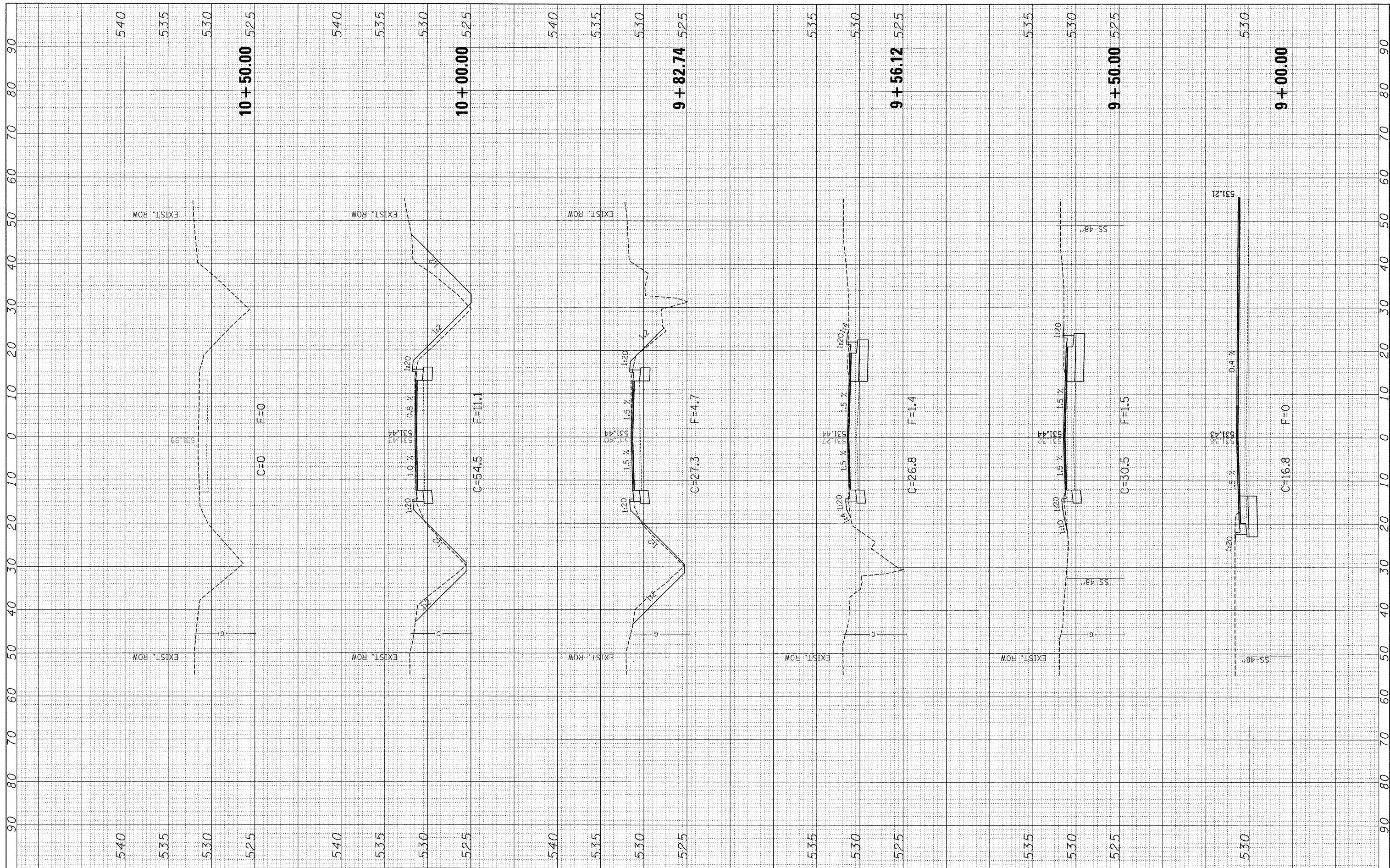


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CONTRACT NO. 76C35	SCALE: 10	SHEET NO. 6 OF 7 SHEETS	STA. 838+66.09 TO STA. 840+29.93			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
DESIGNED - JWS	DRAWN - WJS	CHECKED - DRM	DATE -			REVISED -	REVISED -	REVISED -	REVISED -	
PLOT SCALE = 1/8" = 10.0000' / IN.	PLOT DATE = 1/13/2009									



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

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



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 PLOT DATE = 1/13/2009

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 DRAWN - WJS  
 CHECKED - DRM  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS, IL ROUTE 160 (SOUTH)**

SCALE: 1"=10'  
 SHEET NO. 1 OF 1 SHEETS  
 STA. 9+00.00 TO STA. 10+50.00

F.A.P. RTE. 690	SECTION 41X-RS-1	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 58
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76C35	