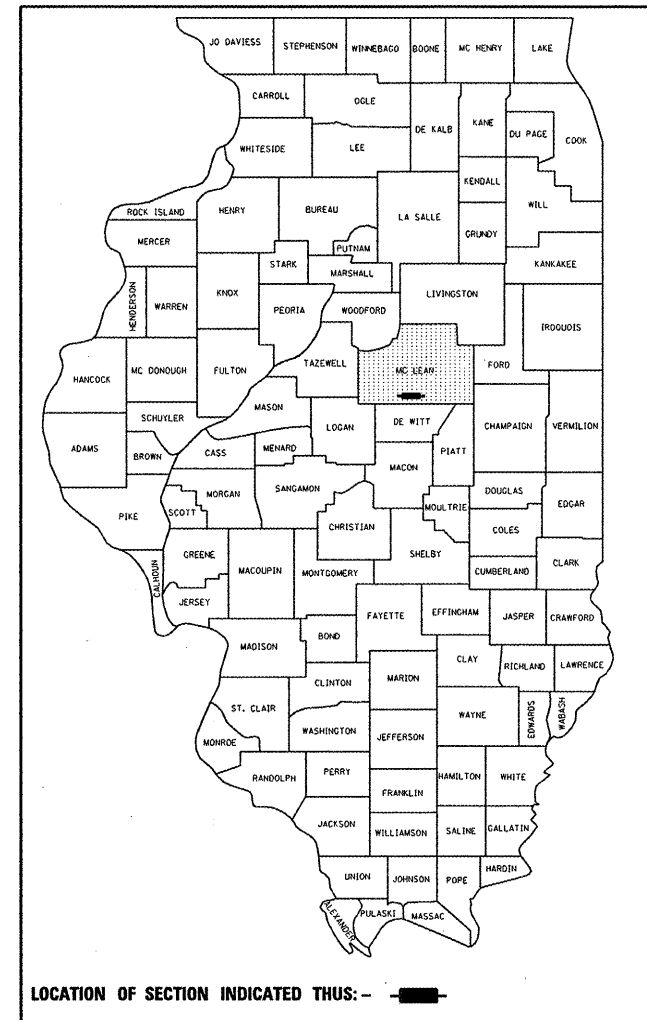


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
••	•	McLean	115	1
		ILLINOIS	CONTRACT NO. 70507	

•• FAP 315/FAP 709 •(101,102X)R,RS-2 & 55RS-PRK LN

D-95-027-06



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 315 & 709 (US 136)
SECTION (101,102X)R,RS-2 & 55RS-PRK LN
PROJECT ACF-0005(801)
RESURFACING (3P) & CULVERT REPLACEMENTS
OLD US 51 IN HEYWORTH TO US 150
MCLEAN COUNTY

C-95-028-06

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 5 - 8

CURRENT ADT: (2009)

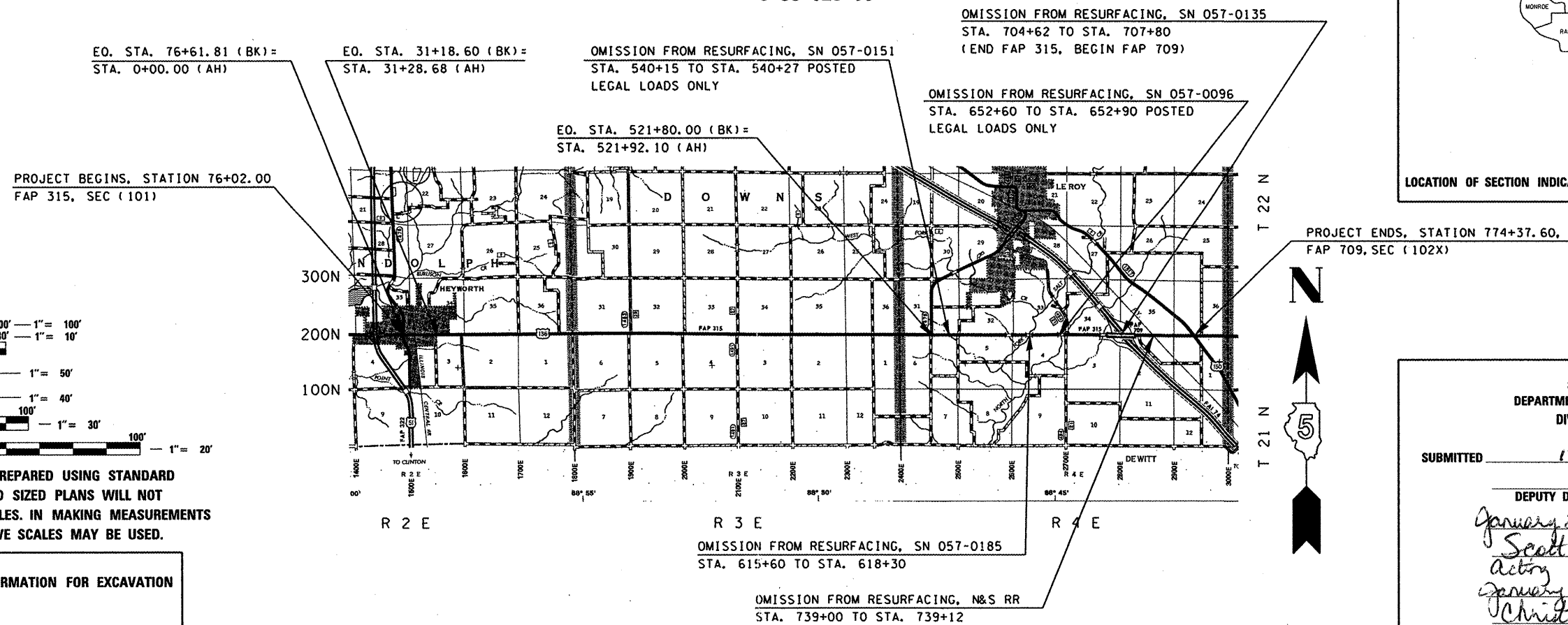
LEG "A"	- 4350	6.1% MU
LEG "B"	- 1950	21.2% MU
LEG "C"	- 1550	24.0% MU
LEG "D"	- 1250	28.6% MU
LEG "E"	- 1400	19.9% MU

CULVERT REPLACEMENTS:
SN 057-8024 (E); SN 057-8210 (P)
SLD MILE STA. 21-72; 057-2044 (P)

RESURFACING OMISSIONS:
SN 057-0096
SN 057-0135
SN 057-0151
SN 057-0185

H.M.A. RESURFACING:
SN 057-8020
SN 057-8022
SN 057-8023
SN 057-8211
SN 057-2001

DESIGN DESIGNATION
HEYWORTH TO I-74: OTHER PRINCIPAL ARTERIAL
I-74 TO US 150: MINOR ARTERIAL



11" x 17" 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: KEVIN TRAPP
PROJECT MANAGER: MICHAEL LEROY
PHONE 217-465-4181

CONTRACT NO. 70507

GROSS LENGTH = 77,475.23 FT. = 14.673 MILE
NET LENGTH = 76,833.23 FT. = 14.552 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 12/9 20 09

Joseph L. Coover
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

January 29, 20 10
Scott E. Still, P.E.
Acting ENGINEER OF DESIGN AND ENVIRONMENT

January 29, 20 10
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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80-115	CROSS SECTIONS AT BOX CULVERTS

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCING BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDERS ADJACENT TO FLEXIBLE PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
542101-02	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 375 mm (15") THRU 900 mm (36") DIAMETER AT RIGHT ANGLES WITH ROADWAY
606201-02	TYPE B GUTTER (INLET, OUTLET AND ENTRANCES)
630001-08	STEEL PLATE BEAM GUARDRAIL
631032-05	TRAFFIC BARRIER TERMINAL, TYPE 6A
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
667101-01	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5 m (15') AWAY
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

701206-02

FILE NAME =	USER NAME = buckles,jj	DESIGNED -	REVISED -
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PLOT SCALE = 48.0000 / IN.		CHECKED -	REVISED -
PLOT DATE = 12/9/2009		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS / HIGHWAY STANDARDS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	2
*101.102XR,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507	
ILLINOIS FED. AID PROJECT				

G.N.-100
 ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-105.09A
 ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-107.12
 THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE LOCAL RAILROAD CONTACT IS:

Mrs. Kathy Miles
 Division Office Manager-Illinois Division
 Norfolk Southern Railway Company
 1735 East Condit Street
 Decatur, IL. 62521
 217) 425-2042

SPECIAL ATTENTION IS CALLED TO ARTICLE 107.12 REGARDING RAILROAD FLAGGERS. THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RAILROAD CONTACT PERSON FOR FLAGGERS IS:

Mr. David Neumann
 Track Supervisor
 Norfolk Southern Railway Company
 2100 West College
 Normal, IL 61761
 (217) 714-2546

G.N.-107.31
 UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED. J.U.L.I.E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800)892-0123 OR 811.

G.N.-201
 TREES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ANY TREE DUE TO ITS LOCATION AND DEEMED SUITABLE FOR SAVING BY THE ENGINEER SHALL BE PROTECTED DURING CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS

G.N.-403A
 BITUMINOUS SURFACE TREATMENTS: GRADATION CA-16 IS ASSUMED FOR SEAL COATS. THE AGGREGATE SHALL BE EITHER LIMESTONE OR CRUSHED CRAVEL. THE RESULTING TARGET APPLICATION RATES ARE AS FOLLOWS:

SHOULDER SEAL:

TYPE OF CONSTRUCTION	BITUMINOUS MATERIAL	APPLICATION RATE	AGGREGATE	APPLICATION RATE
A-1	HFP	0.35 gal/yd ²	CA/CM-16	19 lb/yd ²

NOTE: THE ENGINEER RESERVES THE RIGHT TO ADJUST THE TARGET APPLICATION RATES AND THE QUANTITIES.

G.N.-406.05b
 ALL LEVELING BINDER OR BINDER SHALL BE GIVEN A FOG COAT OF PRIME BEFORE THE SURFACE COURSE IS PLACED WHEN DIRECTED BY THE ENGINEER.

THE FOG COAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER GALLON FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-406H

MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Location(s):	US 136 (Legs A-E)	US 136 (Legs A-E)	US 136 (Legs A-E)	US 136 Rural (Legs A-E)
Mixture Use(s):	Incidental	Partial/Class D Patching HMA Shoulders	Level Binder	Surface Parking Lanes
AC/PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP %: (Max)**	15	25	25	15
Design Air Voids:	4.0% @ Ndes 50	4.0% @ Ndes 50	4.0% @ Ndes 50	4.0% @ Ndes 50
Mixture Composition: (Gradation Mixture)	IL 9.5	IL 19.0	IL 9.5FG	IL 9.5
Friction Aggregate:	Mix C	N.A.	Mix C	Mix C

G.N.-442B -- PATCHING SCHEDULES
 THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF BOTH FULL-DEPTH AND PARTIAL-DEPTH

FILE NAME =	USER NAME = buckleejj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RATE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\PWIDOT\BUCKLESJJ\00170846\070507-sht-gennote.dgn	DRAWN -	REVISED -	315				McLeone	115	3		
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	*(101.102X)R,RS-2 & 55RS-PRK LN								
PLOT DATE = 12/9/2009	DATE -	REVISED -	ILLINOIS FED. AID PROJECT								
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
						CONTRACT NO. 70507					

G.N.-482

ALL MATERIAL PLACED AS HOT-MIX ASPHALT SHOULDERS SHALL BE COMPACTED TO 94.0% 98.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY. THIS REQUIREMENT SHALL APPLY TO IL 9.5L GRADATION SHOULDER MIXES AND OTHER MIXES (BOTTOM LIFT OF SHOULDERS). THIS MAXIMUM DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE OF FOUR TESTS AS IN OTHER QC/QA TESTING. A NUCLEAR GAUGE DENSITY/CORE CORRELATION SHALL BE PERFORMED FOR THE IL 9.5L MIXES AND OTHER MIXES USING STANDARD CORRELATION PROCEDURES.

G.N.-540

THE CONTRACTOR SHALL ASSEMBLE AND MATCH-MARK THE PRECAST BOX CULVERT SECTIONS AND END SECTIONS PRIOR TO SHIPMENT OF THESE COMPONENTS FROM THE MANUFACTURER, AND AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER FIT ON EACH JOINT. ANY SECTIONS OR END SECTIONS WHICH DO NOT PROVIDE A PROPER FIT AT THE JOINT SHALL BE REJECTED BY THE ENGINEER AND REPLACED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION BEING ALLOWED.

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR PRECAST CONCRETE BOX CULVERTS OF THE SIZE SPECIFIED.

G.N.-542

BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

G.N.-667

THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC+S, PT+S, AND PI+S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR SETTING THESE MARKERS.

G.N.-703A

SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N.-781

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

G.N.-1004.01

COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

G.N.-Z0038

AN ALUMINUM TABLET OF THE TYPE SHOWN ON STANDARD 667101 SHALL BE PLACED ON THE PROPOSED STRUCTURE AS DIRECTED BY THE ENGINEER. THE BENCH MARK ELEVATION WILL BE ESTABLISHED AND MARKED BY THE DEPARTMENT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR PERMANENT BENCH MARKS.

NO COMMITMENTS

FILE NAME =	USER NAME = buckles,jj	DESIGNED -	REVISED -
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	PLOT SCHL = 48.0000 / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/9/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	4
*001,102XJR,RS-2 & 55RS-PRK LN CONTRACT NO. 70507				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION:

FAP 315/709	SN 057-2044 (P)
MCLEAN CTY	MCLEAN CTY
63+05.44	
TO	354+72.82
744+37.60	
RURAL	RURAL
TWO LANE	TWO LANE
80% FEDERAL	80% FEDERAL
20% STATE	20% STATE
1000	Y007

CONSTRUCTION CODE:

PAY ITEM CODE	PAY ITEM	UNIT	TOTAL	QTY	QTY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	48.0	48.0	
20200100	EARTH EXCAVATION	CU YD	89.0	55.0	34.0
20400800	FURNISHED EXCAVATION	CU YD	155.0	155.0	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	262.0	192.0	70.0
20900110	POROUS GRANULAR BACKFILL	CU YD	36.0	36.0	
* 25000200	SEEDING, CLASS 2	ACRE	0.3	0.2	0.1
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	28.0	25.0	3.0
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	28.0	25.0	3.0
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	28.0	25.0	3.0
* 25100115	MULCH METHOD 2	ACRE	0.3	0.2	0.1
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	31.0	28.0	3.0
28000400	PERIMETER EROSION BARRIER	FOOT	1,150.0	990.0	160.0
28000500	INLET AND PIPE PROTECTION	EACH	9.0	9.0	
28100105	STONE RIPRAP, CLASS A3	SQ YD	25.0	25.0	
28100201	STONE RIPRAP, CLASS A1	TON	223.0	120.0	103.0
28200200	FILTER FABRIC	SQ YD	8.0	8.0	
40300300	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	21,411.0	21,411.0	
40300600	SEAL COAT AGGREGATE	TON	582.0	582.0	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	28,510.0	28,510.0	
40600627	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	TON	8,934.0	8,934.0	
40600990	TEMPORARY RAMP	SQ YD	1,145.0	1,145.0	

* SPECIALTY ITEM

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\1001\BUCKLESJJ\0170848\	70507-sh-t-500.dgn	DRAWN - JJB	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	315	115	5
	PLOT SCALE = 40.0000' / 1" IN.	CHECKED -	REVISED -								*101.102XJR,RS-2 & 55RS-PRK LN		
	PLOT DATE = 12/9/2009	DATE - 7-16-09	REVISED -								McLean	CONTRACT NO. 70507	
											ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

LOCATION:

FAP 315/709 SN 057-2044 (P)
 MCLEAN CTY MCLEAN CTY
 63+05.44
 TO 354+72.82
 744+37.60
 RURAL RURAL
 TWO LANE TWO LANE
 80% FEDERAL 80% FEDERAL
 20% STATE 20% STATE

CONSTRUCTION CODE:

1000 Y007

40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	22,831.0	22,831.0	
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	707.0	707.0	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	616.0	616.0	
44000154	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"	SQ YD	12,598.0	12,598.0	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	46,538.0	46,538.0	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	212,718.0	212,718.0	
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	7,063.0	7,063.0	
44000400	GUTTER REMOVAL	FOOT	395.0	395.0	
44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SQ YD	125.0	125.0	
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	156.0	74.0	82.0
48203013	HOT-MIX ASPHALT SHOULDER, 4"	SQ YD	77.0		77.0
48203042	HOT-MIX ASPHALT SHOULDERS, 11 1/4"	SQ YD	72.0	72.0	
50105220	PIPE CULVERT REMOVAL	FOOT	52.0	52.0	
50200100	STRUCTURE EXCAVATION	CU YD	331.0	133.0	198.0
54001001	BOX CULVERT END SECTION, CULVERT NO.1	EACH	2.0	2.0	
54001002	BOX CULVERT END SECTION, CULVERT NO.2	EACH	2.0	2.0	
54001003	BOX CULVERT END SECTION, CULVERT NO.3	EACH	2.0	2.0	
54001004	BOX CULVERT END SECTION, CULVERT NO.4	EACH	2.0	2.0	
54001005	BOX CULVERT END SECTION, CULVERT NO.5	EACH	2.0	2.0	
54001006	BOX CULVERT END SECTION, CULVERT NO.6	EACH	2.0	2.0	
54020402	PRECAST CONCRETE BOX CULVERT 4' X 2' (M273)	FOOT	56.0	56.0	
54020803	PRECAST CONCRETE BOX CULVERT 8' X 3' (M273)	FOOT	50.0	50.0	

SUMMARY OF QUANTITIES

LOCATION:

FAP 315/709 SN 057-2044 (P)
 MCLEAN CTY MCLEAN CTY
 63+05.44
 TO 354+72.82
 744+37.60
 RURAL RURAL
 TWO LANE TWO LANE
 80% FEDERAL 80% FEDERAL
 20% STATE 20% STATE

CONSTRUCTION CODE:

1000 Y007

54021003	PRECAST CONCRETE BOX CULVERT 10' X 3' (M273)	FOOT	84.0		84.0
54207159	PIPE CULVERTS, TYPE 1, REINFORCED CONCRETE - ELLIPTICAL, EQUIVALENT ROUND-SIZE 24"	FOOT	47.0	47.0	
54214719	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 24"	EACH	2.0	2.0	
54248510	CONCRETE COLLAR	CUYD	1.7	1.7	
* 56109210	WATER VALVES TO BE ADJUSTED	EACH	4.0	4.0	
60255500	MANHOLES TO BE ADJUSTED	EACH	4.0	4.0	
60260100	INLETS TO BE ADJUSTED	EACH	4.0	4.0	
60262700	INLETS TO BE RECONSTRUCTED	EACH	1.0	1.0	
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	3,172.5	3,172.5	
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	2.0	2.0	
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	6.0	6.0	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	28.0	28.0	
63200310	GUARDRAIL REMOVAL	FOOT	4,346.0	4,346.0	
* 63300725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	93.5	93.5	
67100100	MOBILIZATION	LSUM	1.0	1.0	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1.0	0.75	0.25
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	LSUM	1.0	0.75	0.25
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1.0	1.0	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1.0	1.0	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	39,290.0	39,290.0	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQFT	13,097.0	13,097.0	

*SPECIALTY ITEM

FILE NAME =	USER NAME = bucklesj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\PWIDOT\BUCKLESJJ\0170048\05	70507-shr-500.dgn	DRAWN - JJB	REVISED -		315		McLean	115	7				
	PLOT SCALE = 48.0000' / IN.	CHECKED -	REVISED -		*101,102XJR,RS-2 & 55RS-PRK LN				CONTRACT NO. 70507				
	PLOT DATE = 12/9/2009	DATE - 7-16-09	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

LOCATION:

FAP 315/709	SN 057-2044 (P)
MCLEAN CTY	MCLEAN CTY
63+05.44	
TO	354+72.82
744+37.60	
RURAL	RURAL
TWO LANE	TWO LANE
80% FEDERAL	80% FEDERAL
20% STATE	20% STATE

CONSTRUCTION CODE:

1000	Y007
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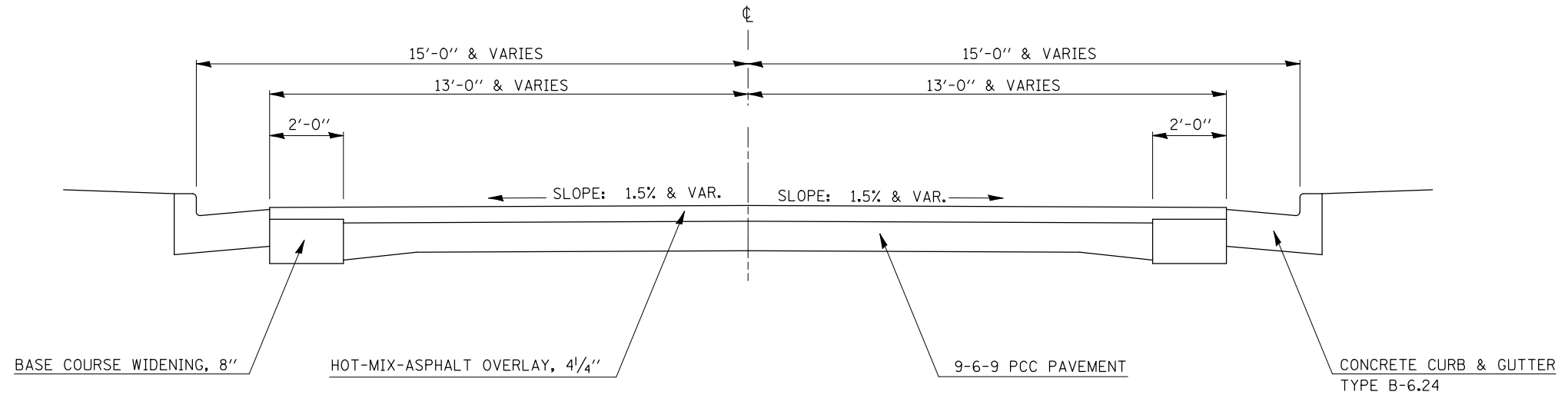
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQFT	247.0	247.0	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	197,206.0	197,206.0	
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	663.0	663.0	
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	524.0	524.0	
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	245.5	245.5	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	945.0	945.0	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	945.0	945.0	
X0322946	REMOVE CONCRETE BOX CULVERT END SECTION	EACH	10.0	10.0	
X0325561	CULVERTS TO BE GROUTED	CUYD	51.0	51.0	
X0325702	NIGHTTIME WORK ZONE LIGHTING	LSUM	1.0	0.7	0.3
X0545005	BOX CULVERT REMOVAL	LSUM	1.0	1.0	
X4401705	PARTIAL DEPTH REMOVAL	SQYD	651.0	651.0	
X4421000	PARTIAL DEPTH PATCHING	TON	310.0	310.0	
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	36.0	26.0	10.0
XZ193300	SURVEY MARKER, TYPE 1 (SPECIAL)	EACH	17.0	17.0	
Z0032470	JOINT SEALER	FOOT	29.0	29.0	
Z0038700	PERMANENT BENCHMARKS	EACH	2.0	2.0	
* Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1.0	1.0	
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	5.0	5.0	

* SPECIALTY ITEMS

EXISTING TYPICAL CROSS SECTION ①

F.A.P. 315 (U.S. 136)

STATION TO STATION
76+02.00 20+74.00

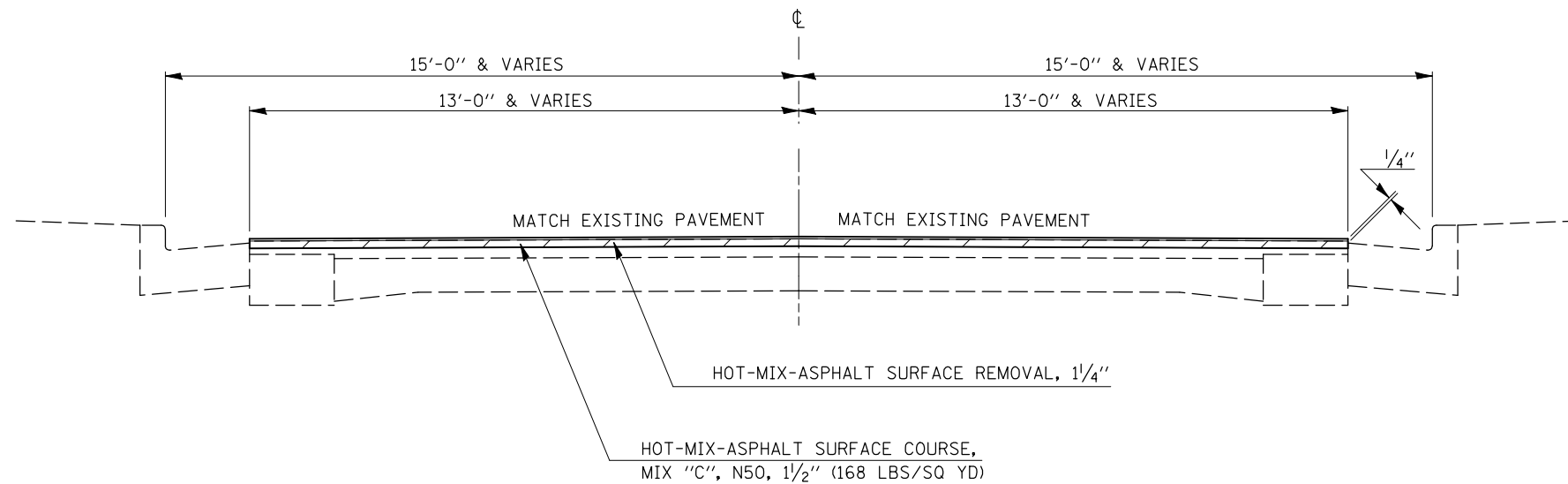


PROPOSED TYPICAL CROSS SECTION ①

F.A.P. 315 (U.S. 136)

STATION TO STATION
76+02.00 20+74.00

STATION EQUATION:
STA. 76+61.81 BK = STA. 0+00.00 AH



FILE NAME =	USER NAME = bucklesJJ	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/9/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING & PROPOSED TYPICAL CROSS SECTIONS

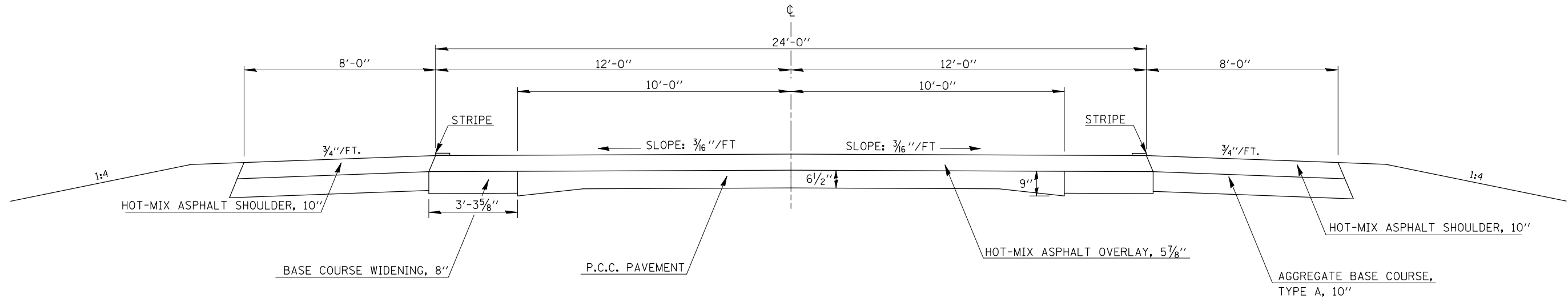
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	9
* (101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507	
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL CROSS SECTION ②

F.A.P. 315 (U.S. 136)

STATION TO STATION
20+74.00 32+09.75

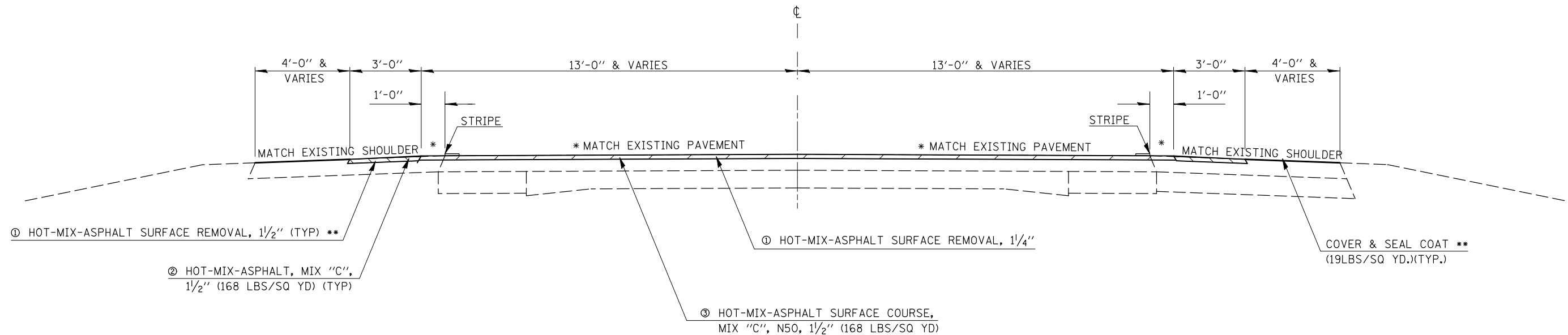


PROPOSED TYPICAL CROSS SECTION ②

F.A.P. 315 (U.S. 136)

STATION TO STATION
20+74.00 32+09.75

STATION EQUATION:
STA. 521+80.00BK = STA. 521+92.10AH
STA. 31+18.60 BK = STA. 31+28.68 AH



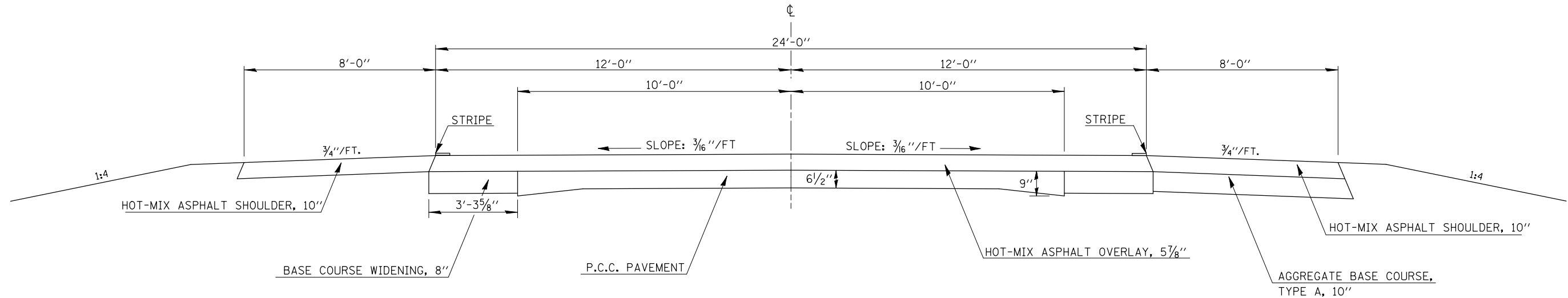
** AT LOCATIONS SHOWN ON PLAN SHEETS

FILE NAME = c:\pwwork\pwwid\BUCKLESJJ\d0170848\070507-sht-typicals.dgn	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING & PROPOSED TYPICAL CROSS SECTIONS				F.A.P. RTE. 315	SECTION *	COUNTY McLean	TOTAL SHEETS 115	SHEET NO. 10
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	REVISED -						* (101,102X)R,RS-2 & 55RS-PRK LN				CONTRACT NO. 70507
PLOT DATE = 12/9/2009	DATE -	REVISED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL CROSS SECTION ③

F.A.P. 315 (U.S. 136)

STATION TO STATION
32+09.75 774+37.60

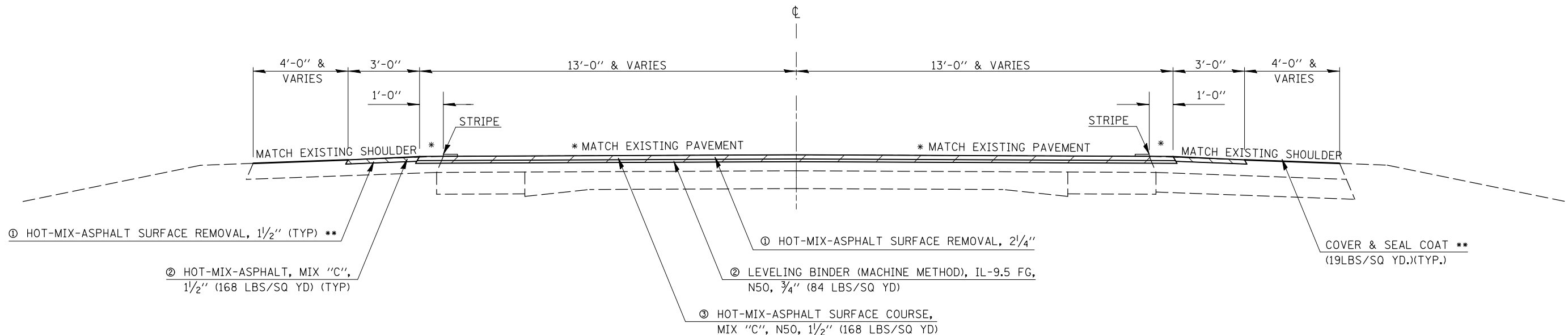


PROPOSED TYPICAL CROSS SECTION ③

F.A.P. 315 (U.S. 136)

STATION TO STATION
32+09.75 774+37.60

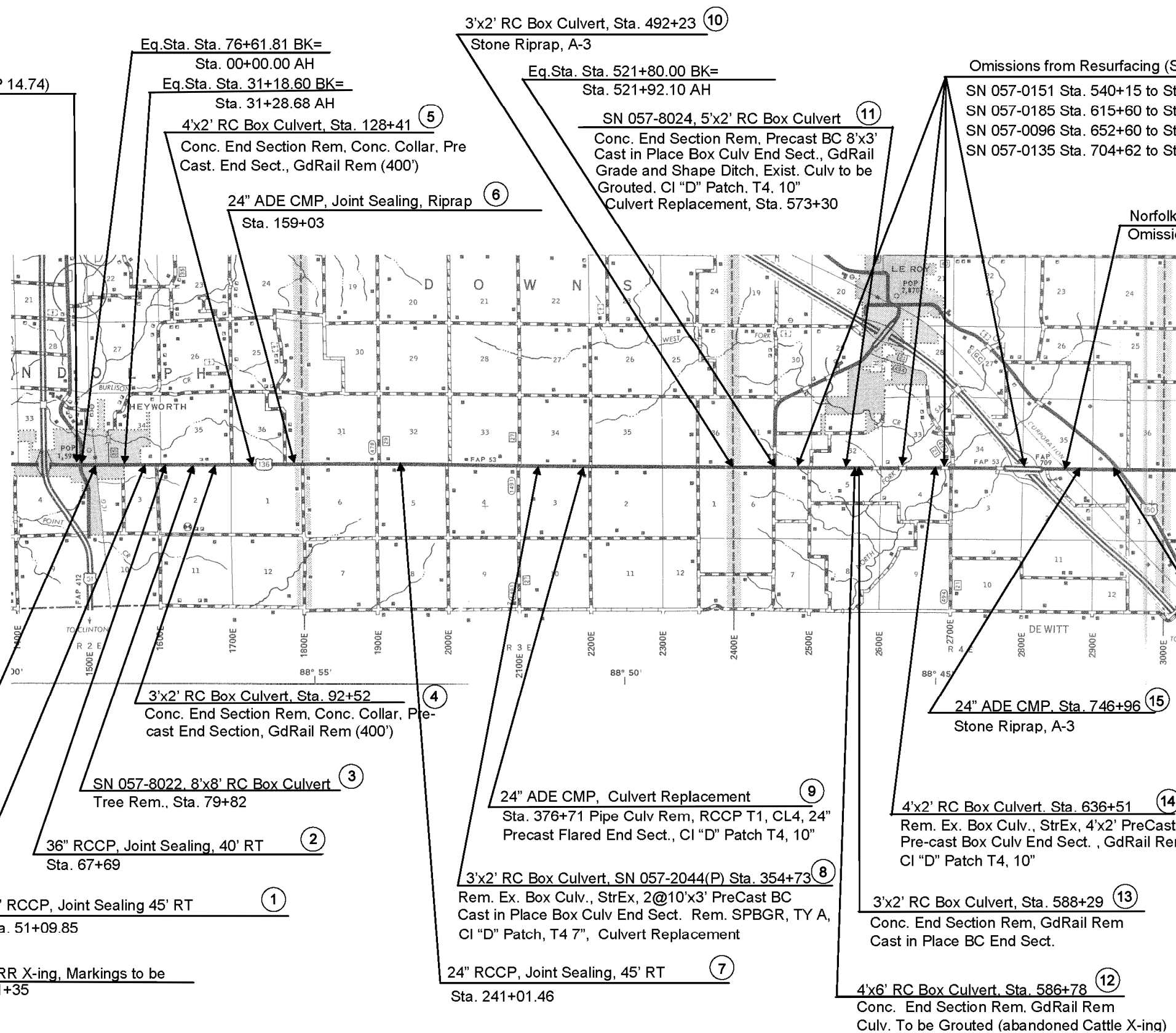
STATION EQUATION:
STA. 521+80.00BK = STA. 521+92.10AH
STA. 31+18.60 BK = STA. 31+28.68 AH



** AT LOCATIONS SHOWN ON PLAN SHEETS

FILE NAME =	USER NAME = bucklesJJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING & PROPOSED TYPICAL CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwwork\pwwid\DOT\BUCKLESJJ\d0170848\070507-sht-typicals.dgn	70507-sht-typicals.dgn	DRAWN -	REVISED -			315	*	McLean	115	11
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	REVISED -			* (101,102X)R,RS-2 & 55RS-PRK LN		CONTRACT NO. 70507		
PLOT DATE = 12/10/2009	DATE -	REVISED -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

Project Begins, US 51 (MP 14.74)
Sta. 76+02.00



Eq.Sta. Sta. 76+61.81 BK=
Sta. 00+00.00 AH

Eq.Sta. Sta. 31+18.60 BK=
Sta. 31+28.68 AH

4'x2' RC Box Culvert, Sta. 128+41 (5)
Conc. End Section Rem, Conc. Collar, Pre
Cast. End Sect., GdRail Rem (400')

24" ADE CMP, Joint Sealing, Riprap (6)
Sta. 159+03

3'x2' RC Box Culvert, Sta. 492+23 (10)
Stone Riprap, A-3

Eq.Sta. Sta. 521+80.00 BK=
Sta. 521+92.10 AH

SN 057-8024, 5'x2' RC Box Culvert (11)
Conc. End Section Rem, Precast BC 8'x3'
Cast in Place Box Culv End Sect., GdRail
Grade and Shape Ditch, Exist. Culv to be
Grouted, CI "D" Patch, T4, 10"
Culvert Replacement, Sta. 573+30

Omissions from Resurfacing (Structures)
SN 057-0151 Sta. 540+15 to Sta. 540+27
SN 057-0185 Sta. 615+60 to Sta. 618+30
SN 057-0096 Sta. 652+60 to Sta. 652+90
SN 057-0135 Sta. 704+62 to Sta. 707+80

Norfolk and Southern Railroad crossing
Omission from resurfacing, Sta. 739+00 to
Sta. 739+11

Project Ends, US 150 (MP 29.01)
Sta. 774+37.9

3'x2' RC Box Culvert, Sta. 92+52 (4)
Conc. End Section Rem, Conc. Collar, Pre-
cast End Section, GdRail Rem (400')

SN 057-8022, 8'x8' RC Box Culvert (3)
Tree Rem., Sta. 79+82

36" RCCP, Joint Sealing, 40' RT (2)
Sta. 67+69

24" RCCP, Joint Sealing 45' RT (1)
Sta. 51+09.85

Abandoned ICG RR X-ing, Markings to be
Removed, Sta. 11+35

24" ADE CMP, Culvert Replacement (9)
Sta. 376+71 Pipe Culv Rem, RCCP T1, CL4, 24"
Precast Flared End Sect., CI "D" Patch T4, 10"

3'x2' RC Box Culvert, SN 057-2044(P) Sta. 354+73 (8)
Rem. Ex. Box Culv., StrEx, 2@10'x3' PreCast BC
Cast in Place Box Culv End Sect. Rem. SPBGR, TY A,
CI "D" Patch, T4 7", Culvert Replacement

24" RCCP, Joint Sealing, 45' RT (7)
Sta. 241+01.46

24" ADE CMP, Sta. 746+96 (15)
Stone Riprap, A-3

4'x2' RC Box Culvert, Sta. 636+51 (14)
Rem. Ex. Box Culv., StrEx, 4'x2' PreCast BC
Pre-cast Box Culv End Sect., GdRail Rem
CI "D" Patch T4, 10"

3'x2' RC Box Culvert, Sta. 588+29 (13)
Conc. End Section Rem, GdRail Rem
Cast in Place BC End Sect.

4'x6' RC Box Culvert, Sta. 586+78 (12)
Conc. End Section Rem, GdRail Rem
Culv. To be Grouted (abandoned Cattle X-ing)

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -
ct:\pw\work\PWIDOT\BUCKLESJJ\d0170848.D	70507-sht:gennote.dgn	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 12/10/2009		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BOX CULVERT SCOPE OF WORKLOCATION MAP

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	12
* (101,102)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507	
ILLINOIS FED. AID PROJECT				

CULVERT SCHEDULE

		UNIT	QTY	CULVERT TOTALS														
				CENTER LINE STATION	EXIST. 24" RCCP	EXIST. 36" RCCP	EXIST. SN 057-8022 (8X8) RC Box	EXIST. 3x2 RC Box Culvert	EXIST. 4x2 RC Box culvert	EXISST. 24" A.D.E. CMP	EXIST. 24" RCCP	(EX. 3X2) RC Box SN 057-2044 (PROP. 2@10X3) RC Box	EXIST./PROP. 24" A.D.E. CMP	EXIST. 3x2 RC Box Culvert	SN 057-8024 (E 5X2) RC Box SN 057-8210 (P 8X3) RC Box	EXIST. 4x6 RC Box Culvert	EXIST. 3x2 RC Box Culvert	EXIST./PROP. 4x2 RC Box Culvert
				#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNITS	48.00	48.00		48.00												
20200100	EARTH EXCAVATION	CU YD	89.00	88.71			4.44	4.01			33.21			28.53 *	4.93	7.25	6.33	
20400800	FURNISHED EXCAVATION	CU YD	156.00	155.92			9.83	8.44						36.27	87.71	9.11	4.56	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	262.00	261.10			12.80	9.60			69.30			115.40		12.60	41.40	
20900110	POROUS GRANULAR BACKFILL	CU YD	36.00	36.00								36.00						
25000200	SEEDING, CLASS 2	ACRE	0.30	0.31	0.003	0.003	0.02	0.031	0.026	0.003	0.003	0.03	0.005	0.099	0.036	0.038	0.014	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	28.00	27.91	0.27	0.27	1.80	2.76	2.31	0.27	0.27	2.72	0.45	8.87	3.21	3.46	1.24	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	28.00	27.91	0.27	0.27	1.80	2.76	2.31	0.27	0.27	2.72	0.45	8.87	3.21	3.46	1.24	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	28.00	27.91	0.27	0.27	1.80	2.76	2.31	0.27	0.27	2.72	0.45	8.87	3.21	3.46	1.24	
25100115	MULCH METHOD 2	ACRE	0.30	0.31	0.003	0.003	0.020	0.031	0.026	0.003	0.003	0.03	0.005	0.099	0.036	0.038	0.014	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUNDS	31.00	31.01	0.30	0.30	2.00	3.07	2.57	0.30	0.30	3.02	0.50	9.85	3.57	3.85	1.38	
28000400	PERIMETER EROSION BARRIER	FOOT	1,150.00	1,150.00	50.00	50.00		100.00	100.00	50.00	50.00	160.00	100.00	180.00	110.00	100.00	100.00	
28000500	INLET AND PIPE PROTECTION	EACH	9.00	9.00		1.00		1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	
28100105	STONE RIPRAP, CLASS A3	SQ YD	25.00	24.40						7.10			7.10					10.20
28100201	STONE RIPRAP, CLASS A1	TON	223.00	222.95								102.89	24.70	53.20			42.16	
28200200	FILTER FABRIC	SQ YD	8.00	7.92	1.70	3.30				1.22	1.70							
44201735	CLASS D PATCHING, TYPE 4, 7"	SQ YD	125.00	125.00							125.00							
44201771	CLASS D PATCHING, TYPE 4, 10"	SQ YD	156.00	155.60								21.70		81.90			52.00	
48203013	HOT-MIX ASPHALT SHOULDER, 4"	SQ YD	77.00	77.00							77.00							
48203042	HOT-MIX ASPHALT SHOULDERS, 11 1/4"	SQ YD	72.00	71.20				7.00	7.00			10.90		14.40	10.90	7.00	14.00	
50105220	PIPE CULVERT REMOVAL	FOOT	52.00	52.00								52.00						
50200100	STRUCTURE EXCAVATION	CUYD	331.00	330.41							197.90			132.50				

CULVERT SCHEDULE

		UNIT	QTY	CULVERT TOTALS														
				CENTER LINE STATION	EXIST. 24" RCCP	EXIST. 36" RCCP	EXIST. SN 057-8022 (8X8) RC Box	EXIST. 3x2 RC Box Culvert	EXIST. 4x2 RC Box culvert	EXISST. 24" A.D.E. CMP	EXIST. 24" RCCP	(EX. 3X2) RC Box SN 057-2044 (PROP. 2@10X3) RC Box	EXIST./PROP. 24" A.D.E. CMP	EXIST. 3x2 RC Box Culvert	SN 057-8024 (E 5X2) RC Box SN 057-8210 (P 8X3) RC Box	EXIST. 4x6 RC Box Culvert	EXIST. 3x2 RC Box Culvert	EXIST./PROP. 4x2 RC Box Culvert
				#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15
54001001	BOX CULVERT END SECTION, CULVERT NO.1 (3' x 2' Pre-cast)	EACH	2.00	2.00				2.00										
54001002	BOX CULVERT END SECTION, CULVERT NO.2 (4' x 2' Pre-cast)	EACH	2.00	2.00				2.00										
54001003	BOX CULVERT END SECTION, CULVERT NO.3 (10' x 3' Cast-in-Place)	EACH	2.00	2.00							2.00							
54001004	BOX CULVERT END SECTION, CULVERT NO.4 (3' x 2' Cast-in-Place)	EACH	2.00	2.00												2.00		
54001005	BOX CULVERT END SECTION, CULVERT NO.5 (4' x 2' Pre-cast)	EACH	2.00	2.00														2.00
54001006	BOX CULVERT END SECTION, CULVERT NO.6 (8'x 3' Pre-cast)	EACH	2.00	2.00										2.00				
54020402	PRECAST CONCRETE BOX CULVERT 4' X 2' (M273)	FOOT	56.00	56.00														56.00
54020803	PRECAST CONCRETE BOX CULVERT 8' X 3' (M273)	FOOT	50.00	50.00										50.00				
54021003	PRECAST CONCRETE BOX CULVERT 10' X 3' (M273)	FOOT	84.00	84.00							84.00							
54207159	PIPE CULVERTS, TYPE 1, REINFORCED CONCRETE - ELLIPTICAL, EQUIVALENT ROUND-SIZE 24"	FOOT	47.00	47.00									47.00					
54214719	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 24"	EACH	2.00	2.00									2.00					
54248510	CONCRETE COLLAR	CUYD	1.70	1.67				0.52	0.62								0.52	
X0322946	REMOVE CONCRETE BOX CULVERT END SECTION	EACH	10.00	10.00				2.00	2.00					2.00	2.00	2.00		
X0325561	CULVERTS TO BE GROUTED	CUYD	51.00	51.00										16.00	35.00			
X0545005	BOX CULVERT REMOVAL	LSUM	1.00	1.00							0.50							0.50
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	36.00	22.00							10.00	4.00		4.00				4.00
Z0032470	JOINT SEALER	FOOT	29.00	28.40	6.30	9.50				6.30	6.30							
Z0038700	PERMANENT BENCHMARKS	EACH	2.00	2.00								1.00						1.00

* DITCH WORK ONLY, THE REST IS PAID AS STRUCTURE EXCAVATION

**HOT MIX ASPHALT SURFACE REMOVAL SCHEDULE
(MAINLINE 1 1/4" AND 2 1/4")**

STATION	TO	STATION	LENGTH	WIDTH	HMA SURFACE REMOVAL, 1 1/4" (SQ YD) (44000154)	HMA SURFACE REMOVAL, 2 1/4" (SQ YD) (44000158)
76+02.00		76+61.81	59.81	40.00	265.82	
EQ. Sta. 76+61.81 BK = 0+00.0 AH						
0+00.00		1+85.00	185.00	40.00	822.22	
1+85.00		2+93.00	108.00	33.00	396.00	
2+93.00		31+18.60	2825.60	26.00	8,162.84	
EQ. Sta. 31+18.60 BK = 31+18.68 AH						
31+28.68		31+73.68	45.00	26.00	130.00	
OLD US 51 SOUTH						
93+70	LT	106+26	1256.00	8.00	1,116.44	
93+02	RT	106+26	1324.00	8.50	1,250.44	
OLD US 51 NORTH						
107+40	LT	108+90	150.00	9.50	158.33	
107+40	RT	108+90	150.00	9.50	158.33	
108+90	LT	110+09	119.00	5.20	68.76	
108+90	RT	110+09	119.00	5.20	68.76	
					12,598.0	
31+73.68		521+80.00	49006.32	26.00		141,573.81
EQ. Sta. 521+80.00 BK = 521+92.10 AH						
521+92.10		540+15.00	1822.90	26.00		5,266.16
540+27.00		615+60.00	7533.00	26.00		21,762.00
618+30.00		652+60.00	3430.00	26.00		9,908.89
652+90.00		704+85.00	5195.00	26.00		15,007.78
707+80.00		738+98.00	3118.00	26.00		9,007.56
739+10.00		774+37.90	3527.90	26.00		10,191.71
TOTAL					12,598.0	212,717.9

**HOT MIX ASPHALT SURFACE REMOVAL SCHEDULE
SHOULDERS (1 1/2")**

	STATION	TO	STATION	LENGTH	WIDTH LEFT	WIDTH RIGHT	HMA SURFACE REMOVAL, 1 1/2" (SQ YD) (44000155)
	21+79.00		30+76.00	897.0	3.0	3.0	598.0
CONSTITUTION DR	31+73.68		42+50.00	1,076.3	3.0	3.0	717.5
TROTTER DR	42+50.00		43+20.00	70.0	0.0	3.0	23.3
	43+20.00		56+40.00	1,320.0	3.0	3.0	880.0
1600 E	56+40.00		58+10.00	170.0	3.0	0.0	56.7
	58+10.00		113+02.00	5,492.0	3.0	3.0	3,661.3
1700 E	113+02.00		113+70.00	68.0	0.0	3.0	22.7
	113+70.00		152+75.00	3,905.0	3.0	3.0	2,603.3
1775 E	152+75.00		153+60.00	85.0	0.0	3.0	28.3
	153+60.00		166+20.00	1,260.0	3.0	3.0	840.0
1800 E	166+20.00		167+00.00	80.0	3.0	0.0	26.7
	167+00.00		221+18.00	5,418.0	3.0	3.0	3,612.0
GILLUM RD (S)	221+18.00		221+90.00	72.0	3.0	0.0	24.0
	221+90.00		223+20.00	130.0	3.0	3.0	86.7
GILLUM RD (N)	223+20.00		224+35.00	115.0	0.0	3.0	38.3
	224+35.00		274+29.00	4,994.0	3.0	3.0	3,329.3
2000 E (S)	274+29.00		275+00.00	71.0	3.0	0.0	23.7
	275+00.00		276+50.00	150.0	3.0	3.0	100.0
2000 E (N)	276+50.00		276+95.00	45.0	0.0	3.0	15.0
	276+95.00		327+92.00	5,097.0	3.0	3.0	3,398.0
2100 E (S)	327+92.00		328+81.00	89.0	3.0	0.0	29.7
	328+81.00		329+48.00	67.0	3.0	3.0	44.7

**HOT MIX ASPHALT SURFACE REMOVAL SCHEDULE
SHOULDERS (1 1/2") CONTINUED**

	STATION	TO	STATION	LENGTH	WIDTH LEFT	WIDTH RIGHT	HMA SURFACE REMOVAL, 1 1/2" (SQ YD) (44000155)
2100 E (N)	329+48.00		329+98.00	50.0	0.0	3.0	16.7
	329+98.00		382+00.00	5,202.0	3.0	3.0	3,468.0
2200 E (S)	382+00.00		382+59.00	59.0	3.0	0.0	19.7
2200 E (N)	382+59.00		383+30.00	71.0	0.0	3.0	23.7
	383+30.00		462+38.00	7,908.0	3.0	3.0	5,272.0
2350 E	462+38.00		463+00.00	62.0	0.0	0.0	0.0
	463+00.00		520+12.00	5,712.0	3.0	3.0	3,808.0
	520+12.00		520+60.00	48.0	0.0	0.0	0.0
	520+60.00		521+80.00	120.0	0.0	3.0	40.0
Eq. STA.	521+92.10		523+10.00	117.9	0.0	3.0	39.3
	523+10.00		540+08.00	1,698.0	3.0	3.0	1,132.0
SN 057-0151	540+53.00		546+89.00	636.0	3.0	3.0	424.0
	546+89.00		547+60.00	71.0	3.0	0.0	23.7
	547+60.00		547+75.00	15.0	0.0	0.0	0.0
	547+75.00		548+30.00	55.0	0.0	3.0	18.3
	548+30.00		615+40.00	6,710.0	3.0	3.0	4,473.3
SN 057-0185	618+58.00		652+55.00	3,397.0	3.0	3.0	2,264.7
SN057-0096	653+03.00		689+80.00	3,677.0	3.0	3.0	2,451.3
I-74 OMISSION	722+55.00		738+96.00	1,641.0	3.0	3.0	1,094.0
CRC RR X-ING	739+04.00		749+40.00	1,036.0	3.0	0.0	345.3
LEROY PIONEER	752+40.00		774+37.60	2,197.6	3.0	3.0	1,465.1
TOTAL				71,154.8			46,538.2

TEMPORARY RAMP SCHEDULE*

(40600990)

STATION	OFFSET	TYPE	LENGTH	WIDTH	SQYD
76+02	CL	START (US 136)	8.0	26.0	23.11
42+81	LT	TROTTER DR.	33.0	8.0	29.33
57+15	RT	1600 E (TR 256)	50.0	8.0	44.44
113+37	LT	1700 E (TR 278)	30.0	8.0	26.67
153+18	LT	1775 E (TR 292)	30.0	8.0	26.67
166+60	RT	1800 E (TR 300)	30.0	8.0	26.67
221+53	RT	1900 E (GILLUM RD)	22.0	8.0	19.56
223+74	LT	1900 E (GILLUM RD)	40.0	8.0	35.56
274+65	RT	2000 E	30.0	8.0	26.67
276+69	LT	2000 E	30.0	8.0	26.67
328+40	RT	2100 E (CH 27)	30.0	8.0	26.67
329+70	LT	2100 E (DOWNS RD)	27.0	8.0	24.00
382+32	RT	2200 E	27.0	8.0	24.00
383+02	LT	2200 E	30.0	8.0	26.67
462+67	RT	2350 E	30.0	8.0	26.67
462+67	LT	2350 E	27.0	8.0	24.00
520+38	RT	2450 E	22.0	8.0	19.56
521+65	LT	2450 E (LEROY RD)	90.0	8.0	80.00
540+29.41	CL	SN 057-0151 (W)	8.0	26.0	23.11
540+29.41	CL	SN 057-0151 (E)	8.0	26.0	23.11
547+39	RT	2500 E	30.0	8.0	26.67
547+90	LT	2500 E	27.0	8.0	24.00
616+98	CL	SN 057-0185 (W)	15.0	26.0	43.33
616+98	CL	SN 057-0185 (E)	15.0	26.0	43.33
652+79	CL	SN 057-0096 (E)	8.0	26.0	23.11
652+79	CL	SN 057-0096 (W)	8.0	26.0	23.11
653+60	RT	2700 E (CH 21)	28.0	8.0	24.89
653+60	LT	2700 E (CH 21)	40.0	8.0	35.56
698+50	LT	WB I-74 EXIT RAMP	18.0	8.0	16.00
698+80	RT	EB I-74 ENTRANCE	18.0	8.0	16.00
706+20	CL	SN 057-0135 (E)	20.0	26.0	57.78
706+20	CL	SN 057-0135 (W)	20.0	26.0	57.78
713+85	LT	WB I-74 ENTRANCE	18.0	8.0	16.00
713+85	RT	EB I-74 EXIT RAMP	18.0	8.0	16.00
739+04	CL	CRC RR X-ING (W)	20.0	26.0	57.78
739+04	CL	CRC RR X-ING (E)	20.0	26.0	57.78
774+30	CL	END (US 136)	8.0	26.0	23.11
TOTAL					1,145.3

* No Temporary Ramps within City Limits or at P.E./C.E. between Heyworth and US 150

** Temporary Ramps at Sideroads may be omitted at the Resident Engineers discretion

PAVEMENT MARKINGS SCHEDULE

STATION	TO	STATION	LENGTH	SHORT TERM PVT MKS (FOOT)	SKIP DASH YELLOW, 4" FOOT	SOLID YELLOW, 4" FOOT	SOLID WHITE, 4" FOOT	STOP BAR WHITE, 24" FOOT	CROSSWALK WHITE, 6" FOOT	CROSSWALK WHITE, 12" FOOT	ISLAND STRIPING WHITE, 12" FOOT	ISLAND STRIPING YELLOW, 12" FOOT
				(70300100)	(78001110)			(78001180)	(78001130)		(78001150)	
0+50.00		1+65.00	115.0	23.0 (2)		230.0		74				
1+65.00		20+20.00	1,855.0	371.0 (2)	463.8				52	84		
CURB AND GUTTER ENDS												
20+20.00		24+60.00	440.0	237.6 (3)	110.0	440.0	880.0					
24+60.00		26+00.00	140.0	75.6 (3)	35.0		280.0					
26+00.00		31+18.60	518.6	280.0 (3)	129.7	518.6	1,037.2					
EQ. Sta. 31+18.60 BK = 31+28.68 AH												
31+28.68		34+90.00	361.3	195.1 (3)	90.3	361.3	722.6					
34+90.00		38+00.00	310.0	167.4 (3)	77.5		620.0					
38+00.00		46+50.00	850.0	459.0 (3)	212.5	850.0	1,700.0					
46+50.00		48+30.00	180.0	97.2 (3)	45.0		360.0					
48+30.00		55+60.00	730.0	394.2 (3)	182.5	730.0	1,460.0					
55+60.00		99+70.00	4,410.0	2,381.4 (3)	1,102.5		8,820.0	17	163		87	
99+70.00		110+00.00	1,030.0	556.2 (3)	257.5	1,030.0	2,060.0					
110+00.00		119+50.00	950.0	513.0 (3)	0.0	1,900.0	1,900.0					
119+50.00		129+50.00	1,000.0	540.0 (3)	250.0	1,000.0	2,000.0					
129+50.00		142+80.00	1,330.0	718.2 (3)	332.5		2,660.0					
142+80.00		151+00.00	820.0	442.8 (3)	205.0	820.0	1,640.0					
151+00.00		152+00.00	100.0	54.0 (3)	0.0	200.0	200.0					
152+00.00		159+00.00	700.0	378.0 (3)	175.0	700.0	1,400.0					
159+00.00		186+90.00	2,790.0	1,506.6 (3)	697.5		5,580.0					
186+90.00		194+55.00	765.0	413.1 (3)	191.3	765.0	1,530.0					

PAVEMENT MARKINGS SCHEDULE CONTINUED

STATION	TO	STATION	LENGTH	SHORT TERM PVT MKS (FOOT) (70300100)	SKIP DASH YELLOW, 4" FOOT (78001110)	SOLID YELLOW, 4" FOOT	SOLID WHITE, 4" FOOT	STOP BAR WHITE, 24" FOOT (78001180)	CROSSWALK WHITE, 6" FOOT (78001130)	CROSSWALK WHITE, 12" FOOT	ISLAND STRIPING WHITE, 12" FOOT (78001150)	ISLAND STRIPING YELLOW, 12" FOOT
194+55.00		197+85.00	330.0	178.2 (3)	82.5		660.0					
197+85.00		201+20.00	335.0	180.9 (3)	83.8	335.0	670.0					
201+20.00		237+60.00	3,640.0	1,965.6 (3)	910.0		7,280.0					
237+60.00		242+05.00	445.0	240.3 (3)	111.3	445.0	890.0					
242+05.00		250+40.00	835.0	450.9 (3)	208.8		1,670.0					
250+40.00		256+70.00	630.0	340.2 (3)	157.5	630.0	1,260.0					
256+70.00		492+30.00	23,560.0	12,722.4 (3)	5,890.0		47,120.0					
492+30.00		500+80.00	850.0	459.0 (3)	212.5	850.0	1,700.0					
500+80.00		502+70.00	190.0	102.6 (3)	47.5		380.0					
502+70.00		520+00.00	1,730.0	934.2 (3)	432.5	1,730.0	3,460.0					
520+00.00		521+80.00	180.0	97.2 (3)	45.0	360.0	360.0	29	135	70		
EQ. Sta. 521+80.00 BK = 521+92.10 AH												
521+92.10		532+65.00	1,072.9	579.4 (3)	268.2	2,145.8	2,145.8					
532+65.00		539+10.00	645.0	348.3 (3)	161.3	645.0	1,290.0					
539+10.00		546+00.00	690.0	372.6 (3)	172.5		1,380.0					
546+00.00		557+30.00	1,130.0	610.2 (3)	282.5	1,130.0	2,260.0					
557+30.00		558+00.00	70.0	37.8 (3)	17.5		140.0					
558+00.00		565+25.00	725.0	391.5 (3)	181.3	725.0	1,450.0					
565+25.00		614+65.00	4,940.0	2,667.6 (3)	1,235.0		9,880.0					
614+65.00		625+90.00	1,125.0	607.5 (3)	281.3	1,125.0	2,250.0					
625+90.00		626+60.00	70.0	37.8 (3)	17.5		140.0					
626+60.00		635+80.00	920.0	496.8 (3)	230.0	920.0	1,840.0					

PAVEMENT MARKINGS SCHEDULE CONTINUED

STATION	TO	STATION	LENGTH	SHORT TERM PVT MKS (FOOT)	SKIP DASH YELLOW, 4" FOOT	SOLID YELLOW, 4" FOOT	SOLID WHITE, 4" FOOT	STOP BAR WHITE, 24" FOOT	CROSSWALK WHITE, 6" FOOT	CROSSWALK WHITE, 12" FOOT	ISLAND STRIPING WHITE, 12" FOOT	ISLAND STRIPING YELLOW, 12" FOOT
				(70300100)	(78001110)			(78001180)	(78001130)		(78001150)	
635+80.00		685+00.00	4,920.0	2,656.8 (3)	1,230.0		9,840.0					
685+00.00		690+40.00	540.0	291.6 (3)	135.0	540.0	1,080.0					
690+40.00		693+55.00	315.0	170.1 (3)		1,260.0	630.0					45
693+55.00		698+70.00	515.0	(4)		1,030.0	1,030.0	22	154		95	
698+70.00		704+62.00	592.0	(4)		1,184.0	1,184.0					
SN 057-0135												
707+80.00		709+85.00	205.0	(4)		410.0	410.0					
TURN LANE												
709+85.00		712+85.00	300.0	(4)		600.0	900.0					
712+85.00		713+70.00	85.0	(4)			255.0					
713+70.00		718+90.00	520.0	(4)		1,040.0	1,040.0	25	159		98	
718+90.00		721+65.00	275.0	148.5 (3)		1,100.0	550.0					45
721+65.00		724+30.00	265.0	143.1 (3)	66.3	265.0	530.0					
732+60.00		743+85.00	1,125.0	607.5 (3)	281.3	2,250.0	2,250.0	78				
743+85.00		774+37.60	3,052.6	1,648.4 (3)	763.2		6,105.2					
TOTALS			76,217.42	39,290.43	18,061.36	30,264.72	148,879.84	245.00	663.00	84.00	350.00	90.00
						197,205.92					524.00	

- (1) Per Article 703.04: 1 Application for Milling, 1 Application for Surface, Skip Dash and 2 Edge Lines
- (2) 1 Application for Milling, 1 Application for Surface, Skip Dash only
- (3) Per Article 703.04: 1 Application for Milling, 1 Application for Level Binder, 1 Application for Surface, Skip Dash and 2 Edge Lines
- (4) Concrete Median, no work on shoulder, no temporary markings required

PARTIAL DEPTH PATCHING SCHEDULE

LANE	EB		WB		X4401705	X4421000	
	STATION*	LENGTH (FEET)	WIDTH (FEET)	LENGTH (FEET)	WIDTH (FEET)	PARTIAL DEPTH REMOVAL (SQYD)	PARTIAL DEPTH PATCHING TONS **
	76+61	4.00	12.00	4.00	12.00	10.67	5.08
EQ. Sta. 76+61.81 BK = 0+00.0 AH							
	1+96	4.00	16.00			7.11	3.38
	1+96			4.00	16.00	7.11	3.38
	3+64	4.00	12.00			5.33	2.54
	4+54	4.00	12.00			5.33	2.54
	6+99	4.00	12.00			5.33	2.54
	6+99			4.00	12.00	5.33	2.54
	23+52	4.00	12.00			5.33	2.54
	23+52			4.00	12.00	5.33	2.54
	27+35			4.00	12.00	5.33	2.54
	28+32			6.00	12.00	8.00	3.81
EQ. Sta. 31+18.60 BK = 31+18.68 AH							
	70+07	4.00	12.00			5.33	2.54
	70+07			4.00	12.00	5.33	2.54
	78+95	4.00	12.00			5.33	2.54
	78+95			4.00	12.00	5.33	2.54
	81+95	4.00	12.00			5.33	2.54
	81+95			4.00	12.00	5.33	2.54
	83+16	4.00	12.00			5.33	2.54
	84+30	4.00	12.00			5.33	2.54
	104+24	4.00	12.00			5.33	2.54
	104+24			4.00	12.00	5.33	2.54
	128+41	4.00	12.00			5.33	2.54
	132+83	4.00	12.00			5.33	2.54
	132+83			4.00	12.00	5.33	2.54
	172+24	4.00	12.00			5.33	2.54
	172+24			4.00	12.00	5.33	2.54
	175+40	4.00	12.00			5.33	2.54
	184+99	4.00	12.00			5.33	2.54
	184+99			4.00	12.00	5.33	2.54
	190+07	4.00	12.00			5.33	2.54
	190+07			4.00	12.00	5.33	2.54
	196+66	4.00	12.00			5.33	2.54
	222+15			4.00	12.00	5.33	2.54
	228+38	6.00	12.00			8.00	3.81
	228+38			4.00	12.00	5.33	2.54
	237+20	4.00	12.00			5.33	2.54
	248+40	4.00	12.00			5.33	2.54
	257+09	6.00	12.00			8.00	3.81

PARTIAL DEPTH PATCHING SCHEDULE CONTINUED

LANE	EB		WB		X4401705	X4421000	
	STATION*	LENGTH (FEET)	WIDTH (FEET)	LENGTH (FEET)	WIDTH (FEET)	PARTIAL DEPTH REMOVAL (SQYD)	PARTIAL DEPTH PATCHING TONS **
	257+09			6.00	12.00	8.00	3.81
	270+89			4.00	12.00	5.33	2.54
	280+00			4.00	12.00	5.33	2.54
	285+19	6.00	12.00			8.00	3.81
	285+19			6.00	12.00	8.00	3.81
	286+93	4.00	12.00			5.33	2.54
	297+98	4.00	12.00			5.33	2.54
	315+83	6.00	12.00			8.00	3.81
	315+83			6.00	12.00	8.00	3.81
	352+19	4.00	12.00			5.33	2.54
	352+19			4.00	12.00	5.33	2.54
	357+80	4.00	12.00			5.33	2.54
	373+91	4.00	12.00			5.33	2.54
	397+15	4.00	12.00			5.33	2.54
	404+16	4.00	12.00			5.33	2.54
	404+16			4.00	12.00	5.33	2.54
	406+61	4.00	12.00			5.33	2.54
	406+61			4.00	12.00	5.33	2.54
	409+64	4.00	12.00			5.33	2.54
	423+99	4.00	12.00			5.33	2.54
	426+80	4.00	12.00			5.33	2.54
	426+80			4.00	12.00	5.33	2.54
	438+59	4.00	12.00			5.33	2.54
	438+59			4.00	12.00	5.33	2.54
	454+39	4.00	12.00			5.33	2.54
	490+53	4.00	12.00			5.33	2.54
	490+53			4.00	12.00	5.33	2.54
EQ. Sta. 521+80.00 BK = 521+92.10 AH							
	522+04	4.00	12.00			5.33	2.54
	522+04			4.00	12.00	5.33	2.54
	524+09	4.00	12.00			5.33	2.54
	524+09			4.00	12.00	5.33	2.54
	531+01	4.00	12.00			5.33	2.54
	532+50			4.00	12.00	5.33	2.54
	541+19	4.00	12.00			5.33	2.54
	541+19			4.00	12.00	5.33	2.54
	566+16	4.00	12.00			5.33	2.54
	566+16			4.00	12.00	5.33	2.54
	560+64	4.00	12.00			5.33	2.54
	560+64			4.00	12.00	5.33	2.54
	563+63	4.00	12.00			5.33	2.54

PARTIAL DEPTH PATCHING SCHEDULE CONTINUED

LANE	EB		WB		X4401705	X4421000	
	STATION*	LENGTH (FEET)	WIDTH (FEET)	LENGTH (FEET)	WIDTH (FEET)	PARTIAL DEPTH REMOVAL (SQYD)	PARTIAL DEPTH PATCHING TONS **
	571+62			4.00	12.00	5.33	2.54
	577+61	4.00	12.00			5.33	2.54
	577+61			4.00	12.00	5.33	2.54
	578+10	4.00	12.00			5.33	2.54
	599+24	15.00	6.00			10.00	4.76
	600+40	10.00	12.00	6.00	12.00	21.33	10.15
	619+62	4.00	12.00			5.33	2.54
	619+62			4.00	12.00	5.33	2.54
	652+60	4.00	12.00			5.33	2.54
	652+90			4.00	12.00	5.33	2.54
	657+49	8.00	12.00			10.67	5.08
	658+37	6.00	12.00			8.00	3.81
	673+88	4.00	12.00			5.33	2.54
	673+88			4.00	12.00	5.33	2.54
	678+74	6.00	12.00			8.00	3.81
	683+72	4.00	12.00			5.33	2.54
	683+72			4.00	12.00	5.33	2.54
	690+49	4.00	12.00			5.33	2.54
	690+49			4.00	12.00	5.33	2.54
	697+60	4.00	12.00			5.33	2.54
	701+45	4.00	12.00			5.33	2.54
	701+45			4.00	24.00	10.67	5.08
	711+79			4.00	12.00	5.33	2.54
	712+67			4.00	12.00	5.33	2.54
	715+76			4.00	12.00	5.33	2.54
	720+65	4.00	15.00			6.67	3.17
	720+65			4.00	15.00	6.67	3.17
	722+65	4.00	12.00			5.33	2.54
	722+65			4.00	12.00	5.33	2.54
	733+09	4.00	12.00			5.33	2.54
	733+09			4.00	12.00	5.33	2.54
						0.00	0.00
	TOTAL					650.89	309.82

**PATCHING IS TO SURFACE OF EXISTING PCC PAVEMENT ONLY, OR 8 1/2"

EARTHWORK SCHEDULE

STATION	EARTH EX. CU YDS (20200100)	FURNISHED EX. CU YDS (20400800)
92+31.00	4.4	9.8
92+72.00		
128+21.00	4.0	8.4
128+61.00		
354+25.00	33.2	0.0
355+50.00		
572+00.00	28.5	36.3
574+75.00		
586+25.00	12.2	96.8
589+00.00		
636+30.00	6.33	4.56
636+70.00		
	88.7	155.9
USE	89.0	155.0

*NOTE: None of the Earth Excavation quantity is suitable for embankment

WATER VALVES TO BE ADJUSTED (56109210)

STA	OFFSET	LT/RT	EACH
7+01	15.04	LT	1.0
15+14	14.1	RT	1.0
17+58	15.2	LT	1.0
17+59	18.2	RT	1.0
TOTAL			4.0

MANHOLES TO BE ADJUSTED (60255500)

STA	OFFSET	LT/RT	EACH
1+60	21.5	LT	1.0
14+74	0+33	LT	1.0
17+75	0+23	LT	1.0
OLD US 51			
108+93	0+17	LT	1.0
TOTAL			4.00

INLETS TO BE ADJUSTED (60260100)

STA	OFFSET	LT/RT	EACH
VINE ST. SOUTH OF US 136:			
93+77.5	23.4	LT	1.0
95+72	23.4	LT	1.0
98+39	23.4	LT	1.0
99+01	23.4	LT	1.0
TOTAL			4.0

SURVEY MARKER SCHEDULE

STATION	TYPE	OFFSET	LT/RT.	SURVEY MARKER	SURVEY MONUMENT	PERMANENT
				TYPE 1 (SPL) EACH	COVER ASSEMBLY EACH	BENCHMARKS EACH
				XZ193300	Z0070100	Z0038700
0+00.00	Sta. Eq.	CL		1		
20+74.82	PI (KINK)	CL		1		
25.74.81	PC	1.66	RT	1		
31+18.60	Sta. Eq.	CL		1		
43+00.65	PC	CL		1		
48+00.65	PI	1.6	LT	1		
53+00.64	PT	CL		1		
113+40.29	SEC. CORN.	2	LT		1	
161+05.85	PC	CL		1		
166+05.84	PI	1.17	LT	1		
171+05.84	PT	CL		1		
223+71.97	SEC. CORN.	4.1	RT		1	
269+56.20	PC	CL		1		
274+56.20	PI	0.47	LT	1		
279+56.20	PT	CL		1		
354+68	B.M.	23	RT			1
382+09.62	SEC. CORN.	0.6	RT		1	
477+98.26	PC	CL		1		
482+98.26	PI	0.71	RT	1		
487+98.26	PT	CL		1		
521+80.00	Sta. Eq.	CL		1		
588+50.00	B.M.	21	LT			1
627+00.00	SEC. CORN.	CL			1	
627+77.00	SEC. CORN.	CL			1	
TOTAL				17	5	2

INCIDENTAL HOT-MIX ASPHALT SURFACING (40800050)

STATION	OFFSET	TYPE	LENGTH	WIDTH		HMA	INCIDENTAL
				BACK	FRONT (AVERAGE)		
						SQ YD	(TONS)
Entrances in town will not be resurfaced, and do not get temp ramps							
All Sideroads are stop conditions, and milling is only 1 1/4" - no Temp ramps							
OLD US 51:							
94+34	RT	PE	29	1.75	1.75	1.75	5.64 2.21
95+96	RT	PE	29	1.75	1.75	1.75	5.64 2.21
97+02	RT	PE	29	1.75	1.75	1.75	5.64 2.21
97+09	LT	PE	18	1.75	1.75	1.75	3.50 1.37
99+22	RT	PE	16	1.75	1.75	1.75	3.11 1.22
102+37	RT	PE	15	1.75	1.75	1.75	2.92 1.14
102+37	LT	PE	15	1.75	1.75	1.75	2.92 1.14
102+81	LT	PE	14	1.75	1.75	1.75	2.72 1.07
103+63	LT	PE	20	1.75	1.75	1.75	3.89 1.52
104+00	LT	PE	20	1.75	1.75	1.75	3.89 1.52
104+35	RT	CE	30	1.75	1.75	1.75	5.83 2.29
104+80	RT	CE	30	1.75	1.75	1.75	5.83 2.29

INCIDENTAL HOT-MIX ASPHALT SURFACING (CONT)

(40800050)

STATION	OFFSET	TYPE	LENGTH	WIDTH		WIDTH (AVERAGE)	HMA REMOVAL SQ YD	INCIDENTAL HMA SURF (TONS)
				BACK	FRONT			
OLD US 51:								
105+30	LT	PE	40	1.75	1.75	1.75	7.78	3.05
105+46	RT	CE	40	1.75	1.75	1.75	7.78	3.05
106+10	RT	CE	30	1.75	1.75	1.75	5.83	2.29
US 136								
76+62	LT	S. VINE ST.	40	43	100	71.50	245.00	20.58
76+62	RT	S. VINE ST.	38	43	100	71.50	234.80	19.72
3+30	LT	S. WALNUT	18	31	72	51.50	91.37	7.68
5+53	RT	S. BUCHANON	21	28	78	53.00	100.50	8.44
6+72	LT	S. BUCHANON	17	32	72	52.00	88.25	7.41
10+90	RT	S. NEWELL	24	25	84	54.50	110.30	9.27
14+90	RT	S. POLAND	17	33	86	59.50	112.50	9.45
14+90	LT	S. POLAND	25	26	78	52.00	86.30	7.25
17+52	RT	S. EMERY	21	28	71	49.50	97.60	8.20
17+52	LT	S. EMERY	17	30	79	54.50	86.12	7.23
21+30	LT	S. JOSELYN	26	25	79	52.00	114.72	9.64
31+86	RT	CONSTITUTION DR.	40	26	100	63.00	245.60	20.63
31+86	LT	CONSTITUTION DR.	22	40	100	70.00	143.25	12.03
END HMA SURFACE REMOVAL 1 1/2" / BEGIN HMA SURFACE REMOVAL 2 1/4"								
42+81	LT	TROTTER DR.	30	34	70	52.00	152.77	12.83
57+15	RT	1600 E (TR 256)	45	47	167	107.00	434.10	36.46
113+37	LT	1700 E (TR 278)	28	19	61	39.75	102.90	8.64
153+18	LT	1775 E (TR 292)	34	19	80	49.50	165.20	13.88
166+60	RT	1800 E (TR 300)	27	22	80	51.00	130.50	10.96
221+53	RT	1900 E (GILLUM RD)	31	19	69	44.00	126.70	10.64
223+74	LT	1900 E (GILLUM RD)	40	32	108	69.75	238.70	20.05
274+65	RT	2000 E	32	22	67	44.50	138.90	11.67
276+69	LT	2000 E	30	15	47	31.00	94.00	7.90
328+40	RT	2100 E (CH 27)	38	28	89	58.50	185.10	15.55
329+70	LT	2100 E (DOWNS RD)	25	19	52	35.50	86.33	7.25
382+32	RT	2200 E	28	18	54	36.00	102.90	8.64
383+02	LT	2200 E	25	20	58	39.00	107.50	9.03
462+67	RT	2350 E	24	23	61	42.00	110.70	9.30
462+67	LT	2350 E	26	16	49	32.50	81.40	6.84
520+38	RT	2450 E	30	17	47	32.00	102.50	8.61
521+65	LT	2450 E (LEROY RD)	34	88	270	107.00	601.70	50.54
547+39	RT	2500 E	35	28	93	60.50	192.30	16.15
547+90	LT	2500 E	36	20	69	44.50	153.70	12.91
653+60	RT	2700 E (CH 21)	29	31	96	63.50	136.20	11.44
653+60	LT	2700 E (CH 21)	25	26	73	49.50	139.60	11.73
698+50	LT	WB I-74 EXIT RAMP	102	133			486.80	40.89
698+80	RT	EB I-74 ENTRANCE	60	118			339.30	28.50
713+85	LT	WB I-74 ENTRANCE	64	129			347.3	29.17
713+85	RT	EB I-74 EXIT RAMP	107	114			476.2	40.00
TOTAL							7,062.53	615.71

GUARDRAIL AND TERMINALS

STATION	TO	STATION	OFFSET	SPBGR TYPE A 6' POSTS FOOT	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL)(TANGENT) EACH	GUARDRAIL REMOVAL FOOT	SPBGR SHORT RADIUS FOOT	TRAFF. BARR. TERMINAL TYPE 5A EACH	TRAFF. BARR. TERMINAL TYPE 6A EACH
65+06.50		65+56.50	RT		1				
65+56.50		69+06.50	RT	350.0		175.0			
69+06.50		69+56.50	RT		1				
77+47.50		77+97.50	LT		1				
77+97.50		81+47.50	LT	350.0		200.0			
81+47.50		81+97.50	LT		1				
77+70.50		78+20.50	RT		1				
78+20.50		81+70.50	RT	350.0		200.0			
81+70.50		82+20.50	RT		1				
91+55.00		93+55.00	LT			200.0			
91+50.00		93+50.00	RT			200.0			
127+47.00		128+41.00	LT			100.0			
127+65.00		129+42.00	RT			175.0			
352+35.50		352+85.50	RT		1				
352+85.50		355+98.00	RT	312.5		175.0			
355+98.00		356+48.00	RT		1				
352+98.00		353+48.00	LT		1				
353+48.00		356+60.50	LT	312.5		200.0			
356+60.50		357+10.50	LT		1				
537+87.50		538+37.50	RT		1				
538+37.50		539+75.00	RT	225.0		225.0			
539+75.00		540+20.00	RT						1
540+38.00		540+83.00	RT						1
540+83.00		541+58.00	RT						
541+58.00		542+08.00	RT		1				
538+50.00		539+00.00	LT	225.0	1	225.0			
539+00.00		539+75.00	LT						
539+75.00		540+20.00	LT						1
540+38.00		540+83.00	LT	355.0		225.0			1
540+83.00		542+20.50	LT						
542+20.50		542+70.50	LT		1				
571+12.50		571+62.50	RT		1				
571+62.50		574+75.00	RT	355.0		200.0			
574+75.00		575+25.00	RT		1				
571+75.00		572+25.00	LT		1	200.0			
572+25.00		575+37.50	LT						
575+37.50		575+87.50	LT		1				
586+06.50		586+56.50	RT		1	325.0			
586+56.50		589+41.00	RT						
589+41.00		589+91.00	RT		1				
586+66.50		587+16.50	LT		1	375.0			
587+16.50		590+01.50	LT						
590+01.50		590+51.50	LT		1				
635+50.00		637+00.00	LT			200.0			
635+50.00		637+00.00	RT			200.0			
650+47.60		650+97.60	RT		1				

GUARDRAIL AND TERMINALS

STATION	TO	STATION	OFFSET	SPBGR	TRAFFIC BARRIER	GUARDRAIL	SPBGR	TRAFF. BARR.	TRAFF. BARR.
				TYPE A	TERMINAL, TYPE 1	REMOVAL	SHORT	TERMINAL	TERMINAL
				6' POSTS	(SPECIAL)(TANGENT)	FOOT	RADIUS	TYPE 5A	TYPE 6A
				FOOT	EACH	FOOT	FOOT	EACH	EACH
				63000001	63100167	63200310	63300725	63100075	63100087
650+97.60		652+22.60	RT	125.0		100.0			
652+22.60		652+67.60	RT						1
652+95.06		653+05.87	RT					1	
653+05.87		653+18.06	RT	12.5		82.0			
653+18.06	22.8 RT	653+37.06	51.8 RT				38		
653+37.06	51.8 RT	653+50.20	101.7 RT		1				
650+85.10		651+35.10	LT		1				
651+35.10		652+22.60	LT	87.5		100.0			
652+22.60		652+67.60	LT						1
652+91.50		653+02.33	LT			114.0		1	
653+02.33		653+27.33	LT	25.0					
653+27.33	22.9 LT	653+43.00	44.7 LT				30		
653+43.00	44.7 LT	653+50.20	94.2 LT		1				
653+79.70	91.9 LT	653+80.70	41.9 LT		1				
653+80.70	41.9 LT	653+97.20	25 LT			150.0	25.5		
653+97.20	25 LT	654+84.70	20.3 LT	87.5					
654+84.70	LT	655+34.70	LT		1				
TOTALS				3,172.5	28.0	4,346.0	93.5	2.0	6.0

COVER AND SEAL COAT (SHOULDERS)(CONT.)

SHOULDERS	STATION	TO	STATION	LENGTH	WIDTH LEFT	WIDTH RIGHT	SQUARE YARDS	COVER AND SEAL	
								PRIME	AGGREGATE
								GALLON (40300300)	TON (40300600)
GILLUM RD (N)	223+20.00		224+35.00	115.0	0.0	4.0	51.1	17.9	0.5
	224+35.00		274+29.00	4,994.0	4.0	4.0	4,439.1	1,553.7	42.2
2000 E (S)	274+29.00		275+00.00	71.0	4.0	0.0	31.6	11.0	0.3
	275+00.00		276+50.00	150.0	4.0	4.0	133.3	46.7	1.3
2000 E (N)	276+50.00		276+95.00	45.0	0.0	4.0	20.0	7.0	0.2
	276+95.00		327+92.00	5,097.0	4.0	4.0	4,530.7	1,585.7	43.0
2100 E (S)	327+92.00		328+81.00	89.0	4.0	0.0	39.6	13.8	0.4
	328+81.00		329+48.00	67.0	4.0	4.0	59.6	20.8	0.6
2100 E (N)	329+48.00		329+98.00	50.0	0.0	4.0	22.2	7.8	0.2
	329+98.00		382+00.00	5,202.0	4.0	4.0	4,624.0	1,618.4	43.9
2200 E (S)	382+00.00		382+59.00	59.0	4.0	0.0	26.2	9.2	0.2
2200 E (N)	382+59.00		383+30.00	71.0	0.0	4.0	31.6	11.0	0.3
	383+30.00		462+38.00	7,908.0	4.0	3.0	6,150.7	2,152.7	58.4
2350 E	462+38.00		463+00.00	62.0	0.0	0.0	0.0	0.0	0.0
	463+00.00		520+12.00	5,712.0	4.0	4.0	5,077.3	1,777.1	48.2
	520+12.00		520+60.00	48.0	0.0	0.0	0.0	0.0	0.0
Eq. STA.	520+60.00		521+80.00	120.0	0.0	4.0	53.3	18.7	0.5
	521+92.10		523+10.00	117.9	0.0	4.0	52.4	18.3	0.5
SN 057-0151	523+10.00		540+08.00	1,698.0	4.0	4.0	1,509.3	528.3	14.3
	540+53.00		546+89.00	636.0	4.0	4.0	565.3	197.9	5.4
	546+89.00		547+60.00	71.0	4.0	0.0	31.6	11.0	0.3
	547+60.00		547+75.00	15.0	0.0	0.0	0.0	0.0	0.0
	547+75.00		548+30.00	55.0	0.0	4.0	24.4	8.6	0.2
SN 057-0185	548+30.00		615+40.00	6,710.0	4.0	4.0	5,964.4	2,087.6	56.7
	618+58.00		652+55.00	3,397.0	4.0	4.0	3,019.6	1,056.8	28.7
SN057-0096	653+03.00		689+80.00	3,677.0	4.0	4.0	3,268.4	1,144.0	31.1
I-74 OMISSION	722+55.00		738+96.00	1,641.0	4.0	4.0	1,458.7	510.5	13.9
CRC RR X-ING	739+04.00		749+40.00	1,036.0	4.0	0.0	460.4	161.2	4.4
LEROY PIONEER	752+40.00		774+37.60	2,197.6	4.0	4.0	1,953.4	683.7	18.6
				TOTAL	71,154.8			61,172.3	21,410.3

COVER AND SEAL COAT (SHOULDERS)

SHOULDERS	STATION	TO	STATION	LENGTH	WIDTH LEFT	WIDTH RIGHT	SQUARE YARDS	COVER AND SEAL	
								PRIME	AGGREGATE
								GALLON (40300300)	TON (40300600)
CONSTITUTION DR	21+79.00		30+76.00	897.0	4.0	4.0	797.3	279.1	7.6
	31+73.68		42+50.00	1,076.3	4.0	4.0	956.7	334.9	9.1
TROTTER DR	42+50.00		43+20.00	70.0	0.0	4.0	31.1	10.9	0.3
	43+20.00		56+40.00	1,320.0	4.0	4.0	1,173.3	410.7	11.1
1600 E	56+40.00		58+10.00	170.0	4.0	0.0	75.6	26.4	0.7
	58+10.00		113+02.00	5,492.0	4.0	4.0	4,881.8	1,708.6	46.4
1700 E	113+02.00		113+70.00	68.0	0.0	4.0	30.2	10.6	0.3
	113+70.00		152+75.00	3,905.0	4.0	4.0	3,471.1	1,214.9	33.0
1775 E	152+75.00		153+60.00	85.0	0.0	4.0	37.8	13.2	0.4
	153+60.00		166+20.00	1,260.0	4.0	4.0	1,120.0	392.0	10.6
1800 E	166+20.00		167+00.00	80.0	4.0	0.0	35.6	12.4	0.3
	167+00.00		221+18.00	5,418.0	4.0	4.0	4,816.0	1,685.6	45.8
GILLUM RD (S)	221+18.00		221+90.00	72.0	4.0	0.0	32.0	11.2	0.3
	221+90.00		223+20.00	130.0	4.0	4.0	115.6	40.4	1.1

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USER NAME = bucklesjj
 70507-shr:schedules.dgn
 PLOT SCALE = 40.0000" / IN.
 PLOT DATE = 12/9/2009

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

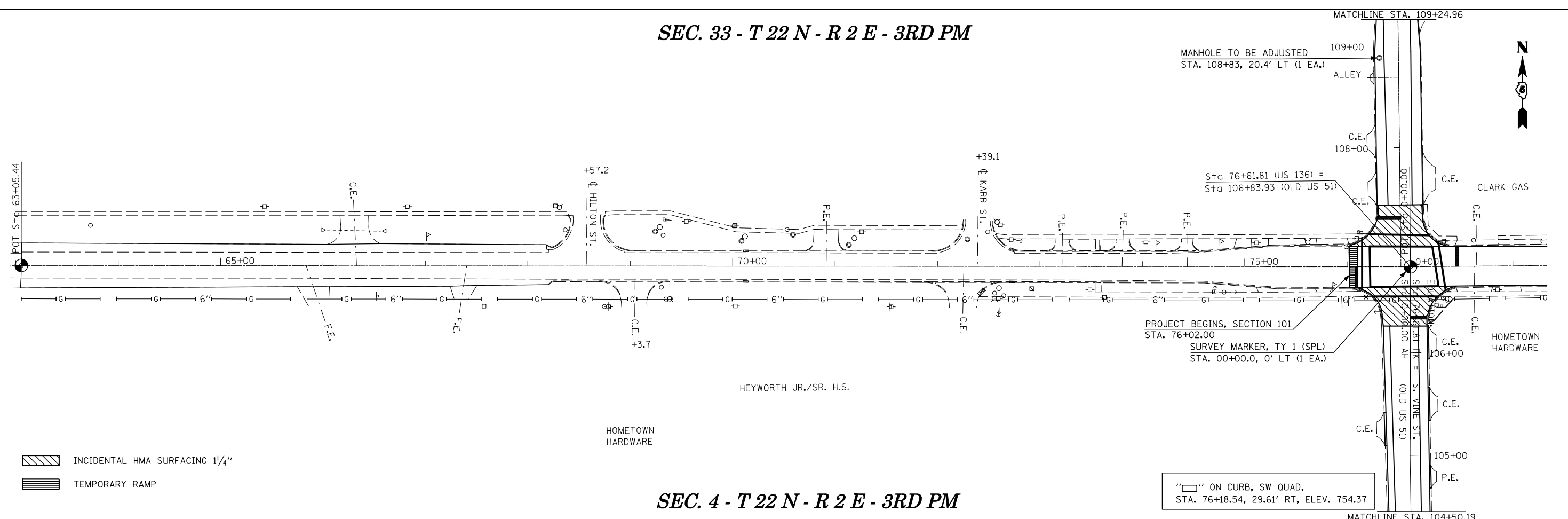
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

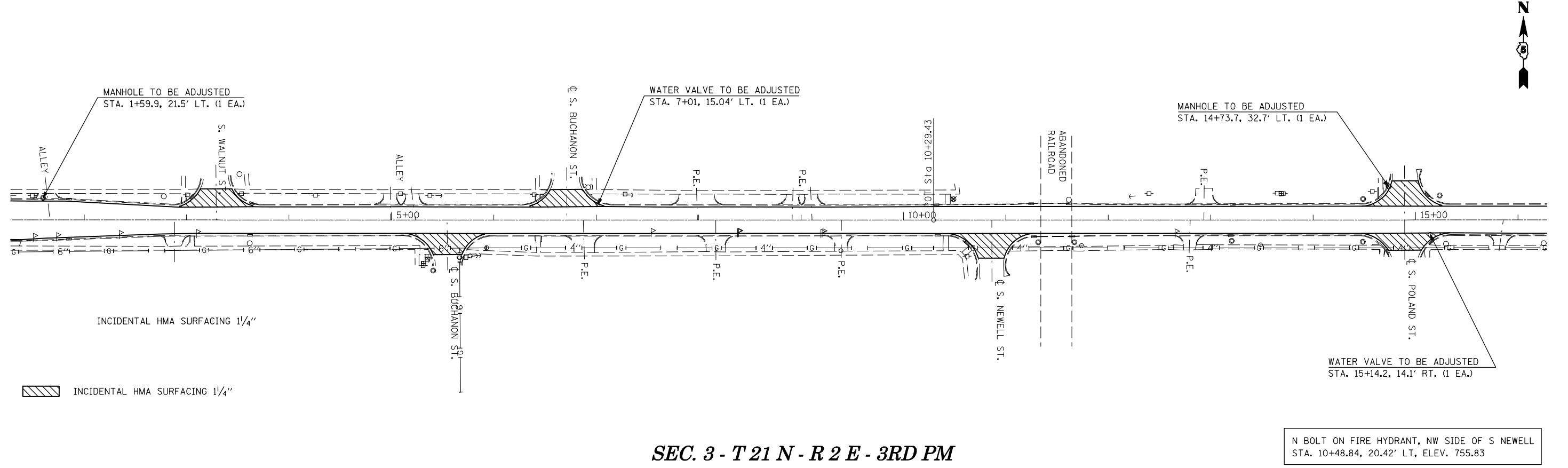
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	22
*(101,102)RS-2 & 55RS-PRK LN		ILLINOIS	CONTRACT NO. 70507	
FED. AID PROJECT				

SEC. 33 - T 22 N - R 2 E - 3RD PM



SEC. 4 - T 22 N - R 2 E - 3RD PM

SEC. 34 - T 22 N - R 2 E - 3RD PM



SEC. 3 - T 21 N - R 2 E - 3RD PM

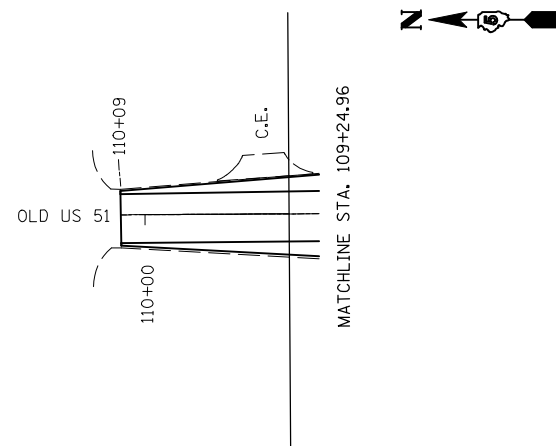
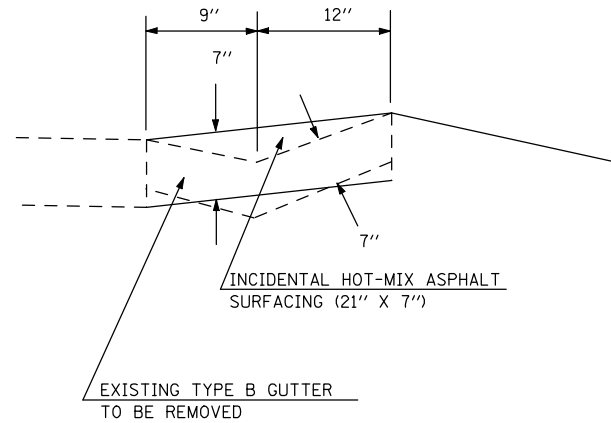
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PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 70507		
PLOT DATE = 12/10/2009	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							

SEC. 33 - T 22 N - R 2 E - 3RD PM

GUTTER REMOVAL ON OLD US 51
(44000400)

STATION	OFFSET	TYPE	LENGTH (FT)
94+34	RT	PE	29
95+96	RT	PE	29
97+02	RT	PE	29
97+09	LT	PE	18
98+00	RT	PE	20
99+22	RT	PE	16
102+37	RT	PE	15
102+37	LT	PE	15
102+81	LT	PE	14
103+63	LT	PE	20
104+00	LT	PE	20
104+35	RT	CE	30
104+80	RT	CE	30
105+30	LT	PE	40
105+46	RT	CE	40
106+10	RT	CE	30
TOTAL			395

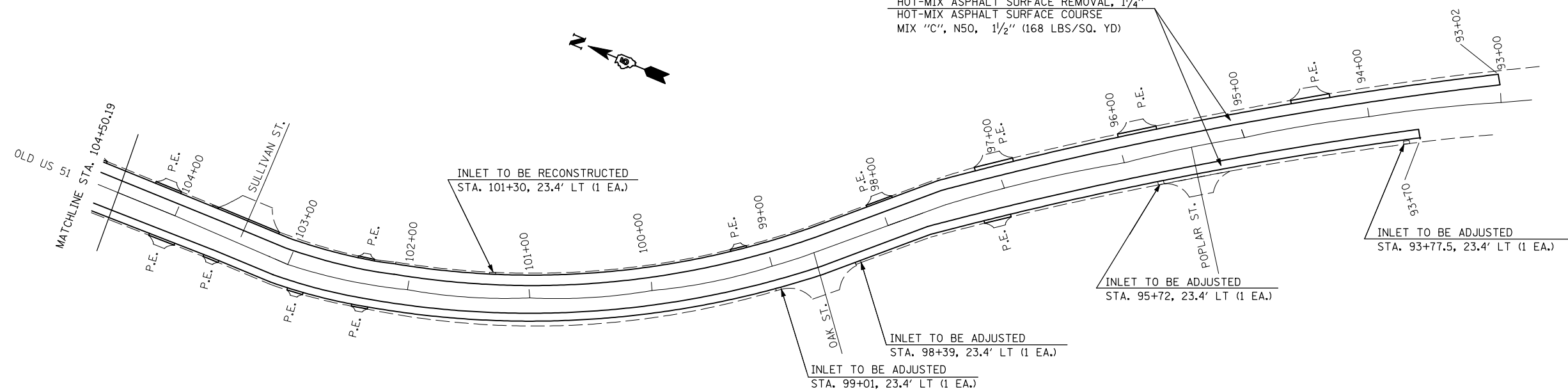
DETAIL OF HOT-MIX ASPHALT INCIDENTAL SURFACING ADJACENT TO PARKING LANES ON OLD US 51 (VINE ST. NORTH AND SOUTH)



SEC. 4 - T 22 N - R 2 E - 3RD PM

OLD US 51 PARKING LANES SCOPE OF WORK:

HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"
HOT-MIX ASPHALT SURFACE COURSE
MIX "C", N50, 1 1/2" (168 LBS/SQ. YD)



FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/10/2009	DATE -	REVISED -

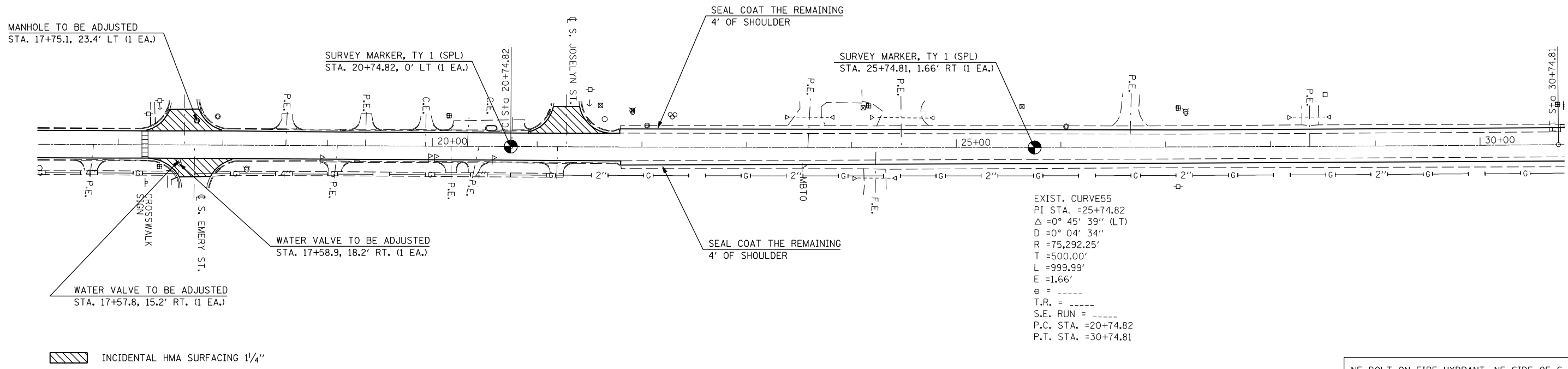
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
OLD US 51 PARKING LANES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315		McLean	115	24
*(101,102)R,RS-2 & 55RS-PRK LN		CONTRACT NO. 70507		
ILLINOIS FED. AID PROJECT				

SEC. 34 - T 22 N - R 2 E - 3RD PM

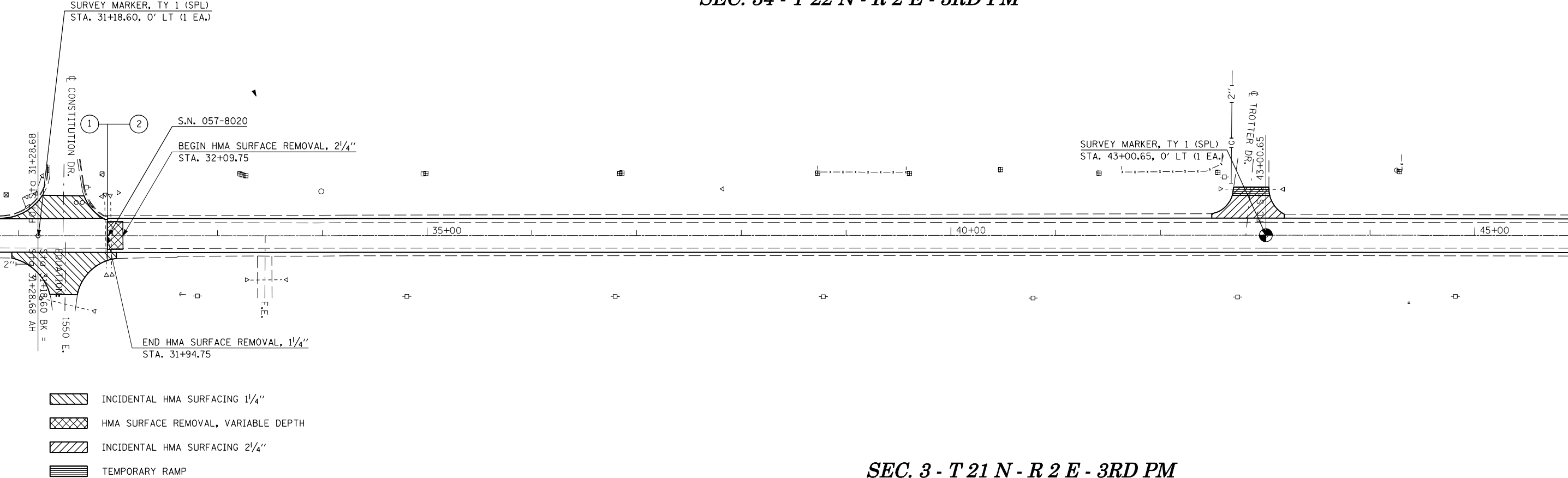


EXIST. CURVE55
 PI STA. =25+74.82
 Δ =0° 45' 39" (LT)
 D =0° 04' 34"
 R =75,292.25'
 T =500.00'
 L =999.99'
 E =1.66'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. =20+74.82
 P.T. STA. =30+74.81

SEC. 3 - T 21 N - R 2 E - 3RD PM

NE BOLT ON FIRE HYDRANT, NE SIDE OF S JOSELYN
 STA. 21+91.16, 34.87' LT, ELEV. 758.63

SEC. 34 - T 22 N - R 2 E - 3RD PM

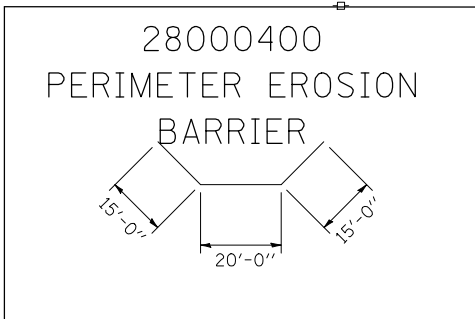
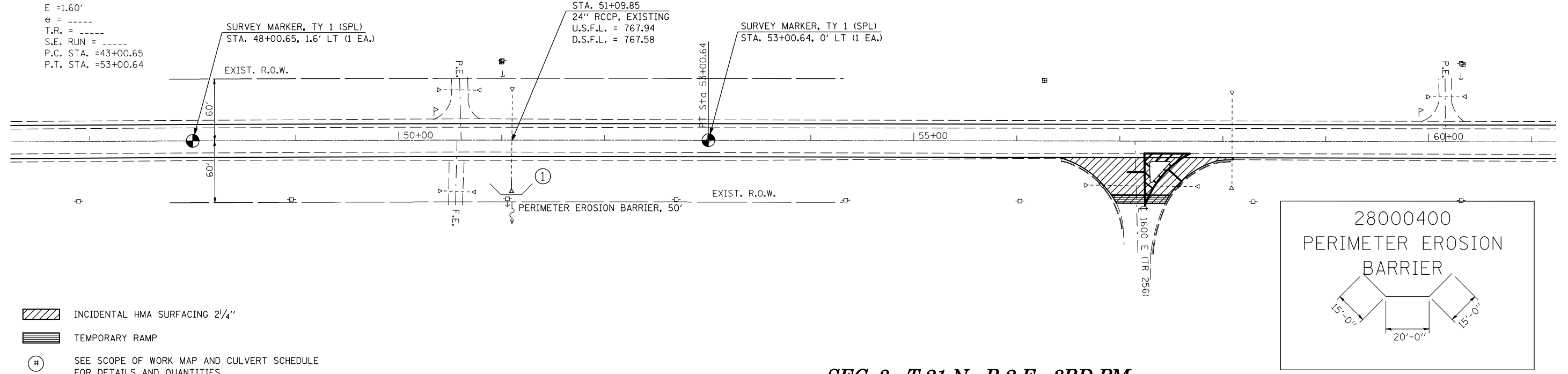


SEC. 3 - T 21 N - R 2 E - 3RD PM

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\d\dot\bucklesjj\d0170848\0570507-sht-plan.dgn	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -					315		McLean	115	25
	PLOT DATE = 12/9/2009	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 70507				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

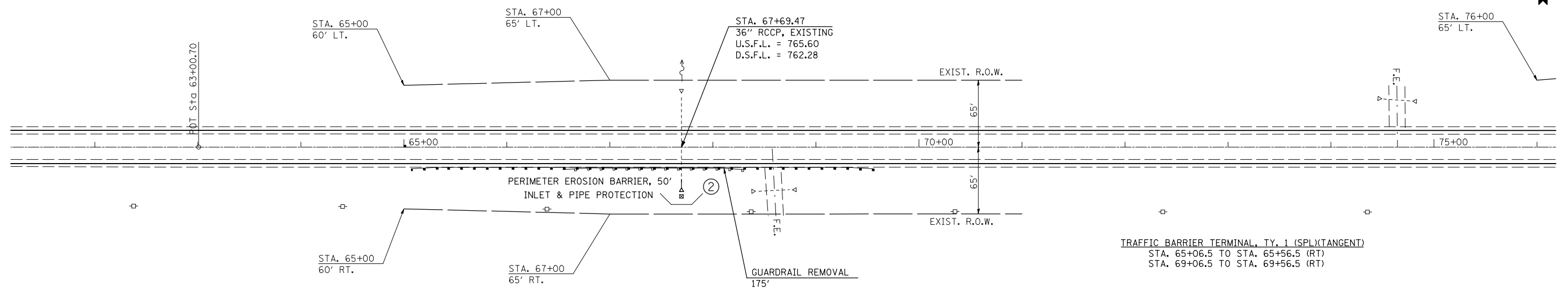
SEC. 34 - T 22 N - R 2 E - 3RD PM

EXIST. CURVE56
 PI STA. =48+00.65
 $\Delta = 0^\circ 44' 07''$ (RT)
 $D = 0^\circ 04' 25''$
 $R = 77,918.66'$
 $T = 500.00'$
 $L = 999.99'$
 $E = 1.60'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 43+00.65$
 $P.T. STA. = 53+00.64$



SEC. 3 - T 21 N - R 2 E - 3RD PM

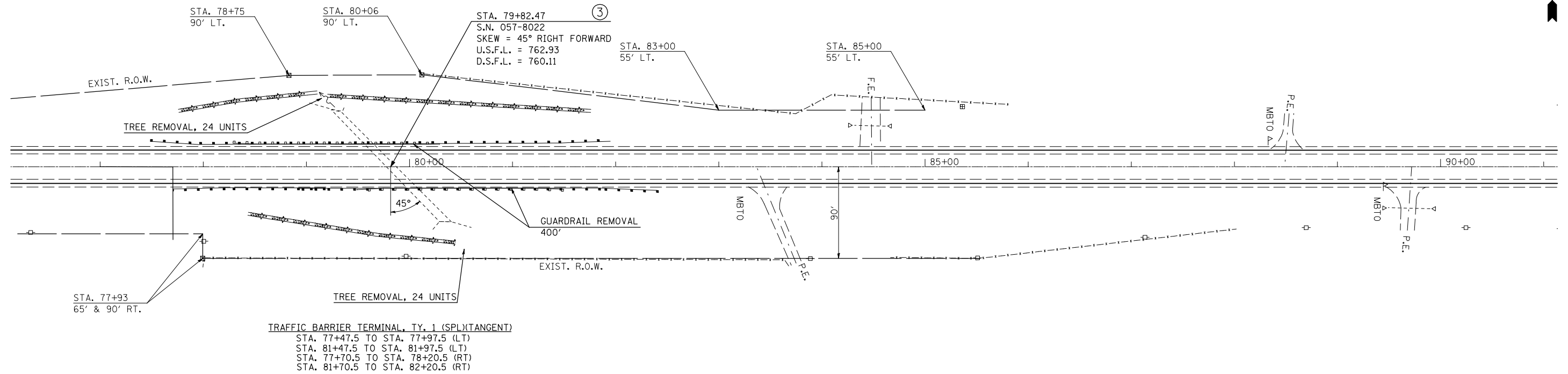
SEC. 35 - T 22 N - R 2 E - 3RD PM



SEC. 2 - T 21 N - R 2 E - 3RD PM

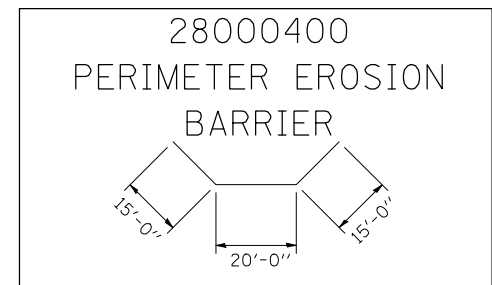
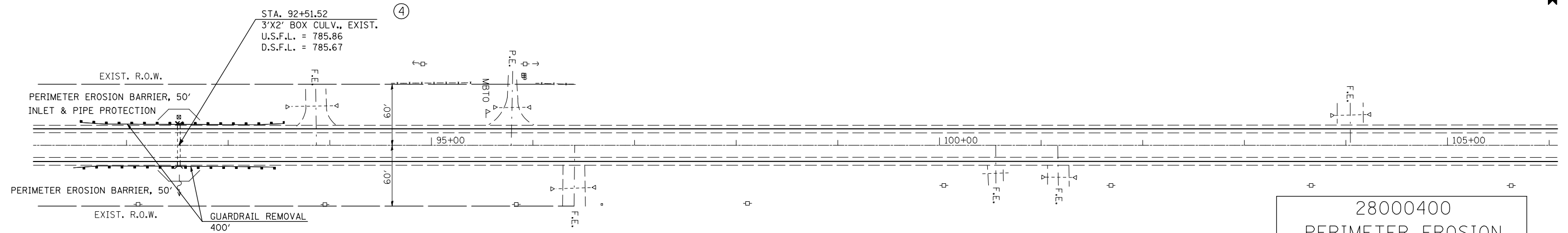
FILE NAME = c:\pwwork\pwwid001\BUCKLESJJ\d0170848\09	USER NAME = bucklesjj 70507-sht-plan.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE. 315	SECTION •	COUNTY McLean	TOTAL SHEETS 115	SHEET NO. 26
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 70507		
PLOT DATE = 12/10/2009	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							

SEC. 35 - T 22 N - R 2 E - 3RD PM



SEC. 2 - T 21 N - R 2 E - 3RD PM

SEC. 35 - T 22 N - R 2 E - 3RD PM



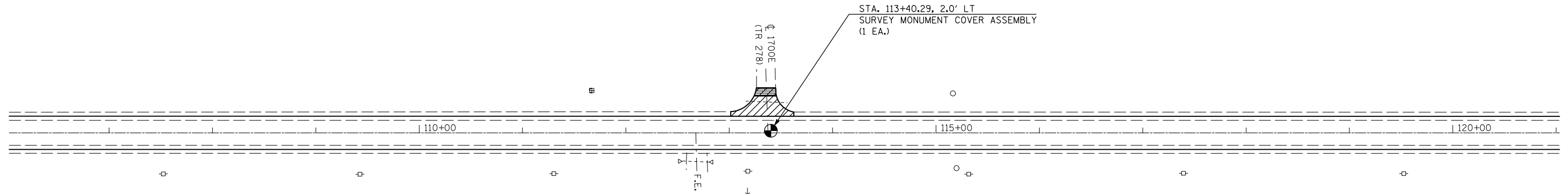
" " ON N HEADWALL,
STA. 92+50.25, 21.52' LT, ELEV. 789.18

SEC. 2 - T 21 N - R 2 E - 3RD PM

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\bucklesjj\0170848\0570507-sh1-plan.dgn		DRAWN -	REVISED -		315		McLean	115	27			
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		•(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507				
PLOT DATE = 12/9/2009		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SEC. 35 - T 22 N - R 2 E - 3RD PM

SEC. 36 - T 22 N - R 2 E - 3RD PM

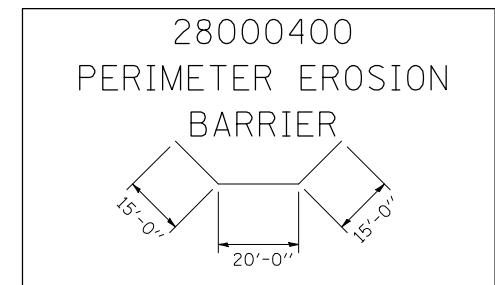
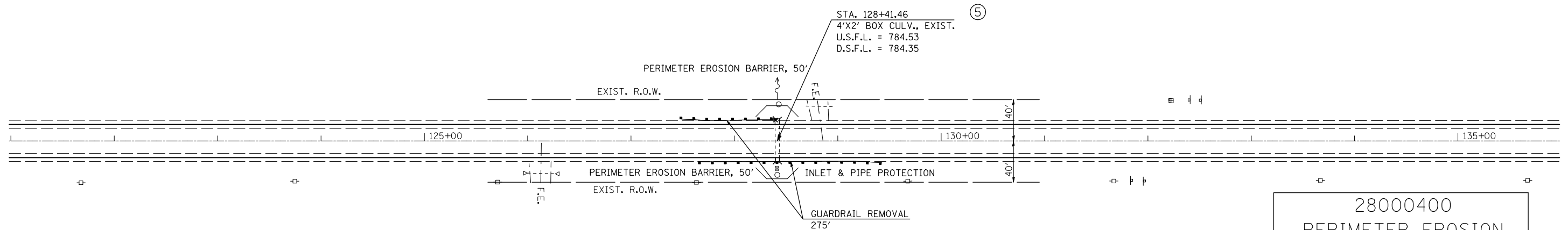


- INCIDENTAL HMA SURFACING 2 1/4"
- TEMPORARY RAMP

SEC. 2 - T 21 N - R 2 E - 3RD PM

SEC. 1 - T 21 N - R 2 E - 3RD PM

SEC. 36 - T 22 N - R 2 E - 3RD PM

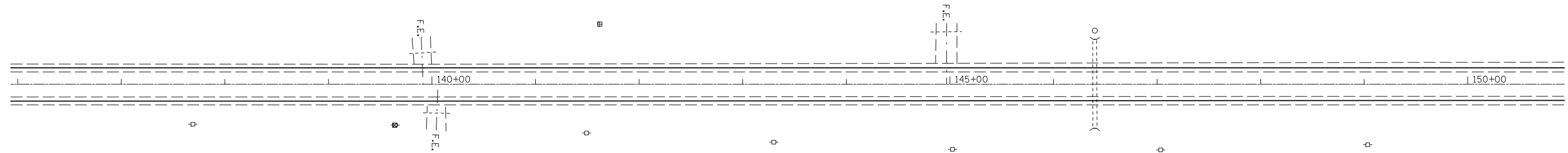


" " ON N HEADWALL,
STA. 128+39.81, 20.19' LT, ELEV. 788.02

SEC. 1 - T 21 N - R 2 E - 3RD PM

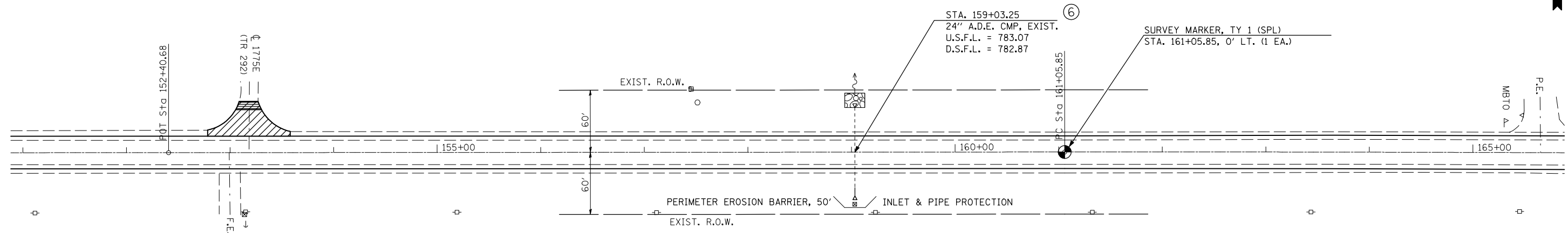
FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sh1-plen.dgn		DRAWN -	REVISED -					315		McLean	115	28
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		•(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507				
PLOT DATE = 12/9/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:			SHEET NO.	OF SHEETS	STA.	TO STA.		

SEC. 36 - T 22 N - R 2 E - 3RD PM

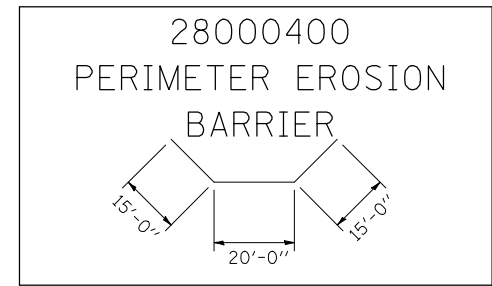


SEC. 1 - T 21 N - R 2 E - 3RD PM

SEC. 36 - T 22 N - R 2 E - 3RD PM



- INCIDENTAL HMA SURFACING 2 1/4"
- TEMPORARY RAMP
- STONE RIPRAP, CLASS A-3

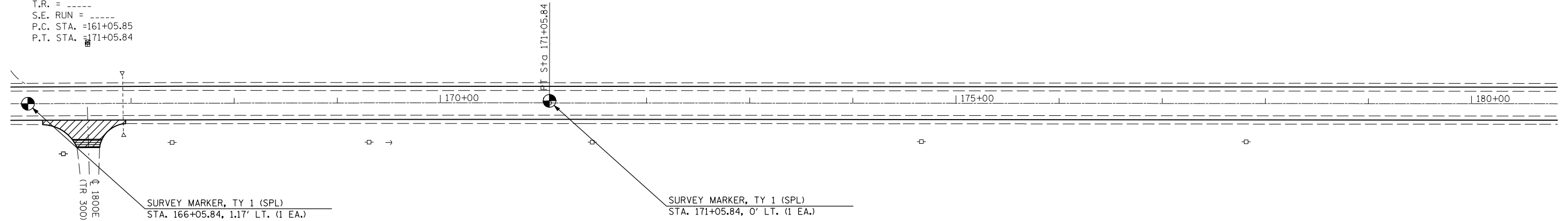


SEC. 1 - T 21 N - R 2 E - 3RD PM

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sh1-plen.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	315	McLean	115	29
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -		•(101,102X)R,RS-2 & 55RS-PRK LN								
	PLOT DATE = 12/9/2009	DATE -	REVISED -		CONTRACT NO. 70507 ILLINOIS FED. AID PROJECT								

SEC. 31 - T 22 N - R 3 E - 3RD PM

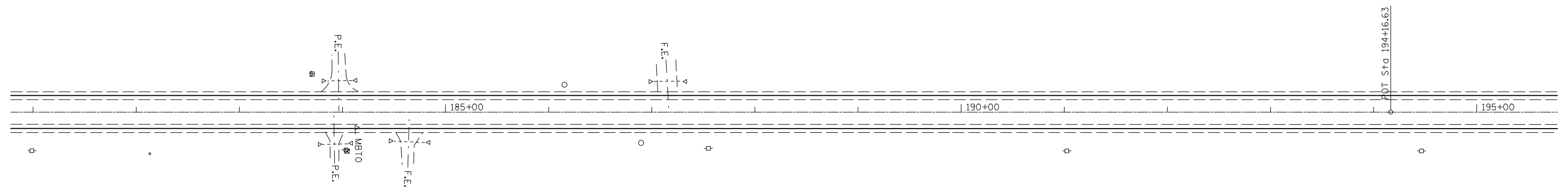
EXIST. CURVE57
 PI STA. =166+05.85
 $\Delta = 0^\circ 32' 17''$ (RT)
 D = 0° 03' 14"
 R = 106,490.20'
 T = 500.00'
 L = 999.99'
 E = 1.17'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 161+05.85
 P.T. STA. = 171+05.84



INCIDENTAL HMA SURFACING 2 1/4"
 TEMPORARY RAMP

SEC. 6 - T 21 N - R 3 E - 3RD PM

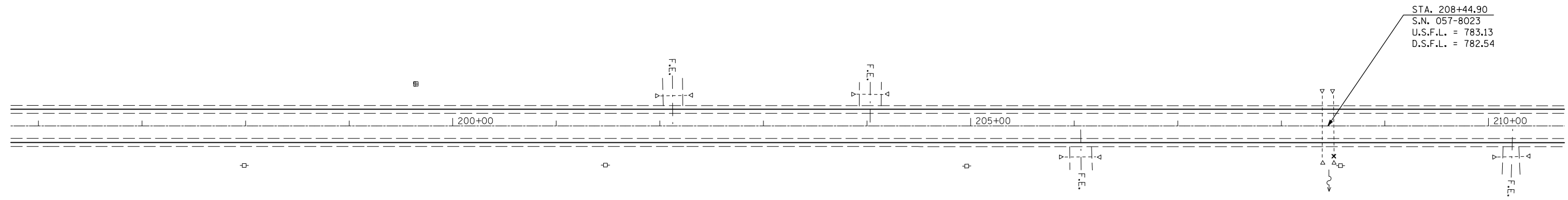
SEC. 31 - T 22 N - R 3 E - 3RD PM



SEC. 6 - T 21 N - R 3 E - 3RD PM

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sht-plan.dgn		DRAWN -	REVISED -					315	*	McLean	115	30
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -		•(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507				
	PLOT DATE = 12/9/2009	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SEC. 31 - T 22 N - R 3 E - 3RD PM

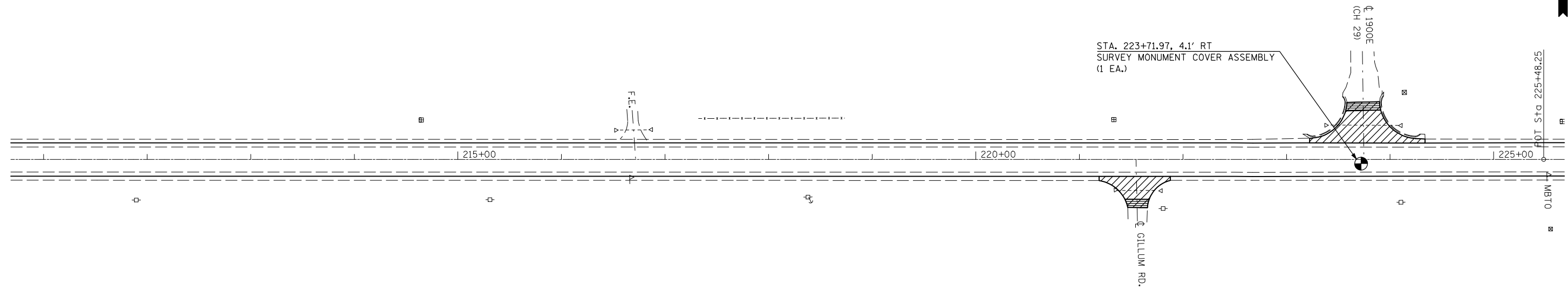


STA. 208+44.90
S.N. 057-8023
U.S.F.L. = 783.13
D.S.F.L. = 782.54

SEC. 6 - T 21 N - R 3 E - 3RD PM

6" E PIPE, S SIDE,
STA. 208+50.66, 29.37' RT, ELEV. 786.00

SEC. 31 - T 22 N - R 3 E - 3RD PM



STA. 223+71.97, 4.1' RT
SURVEY MONUMENT COVER ASSEMBLY
(1 EA.)

1900E
(CH 29)

GILLUM RD.

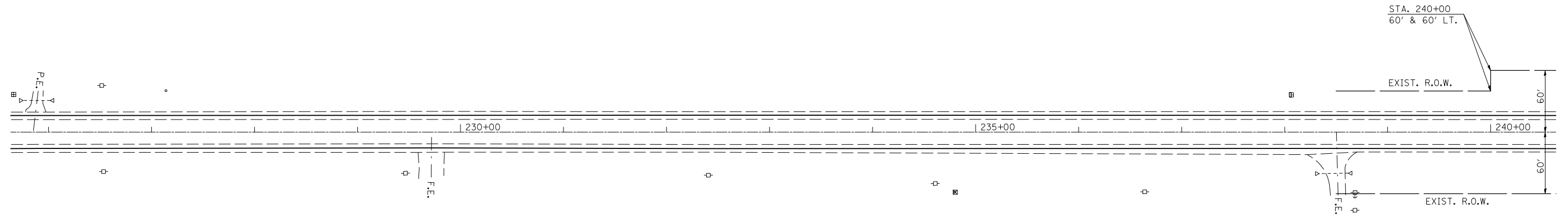
POT STA 225+48.25
MBTO

- INCIDENTAL HMA SURFACING 2 1/4"
- TEMPORARY RAMP

SEC. 6 - T 21 N - R 3 E - 3RD PM

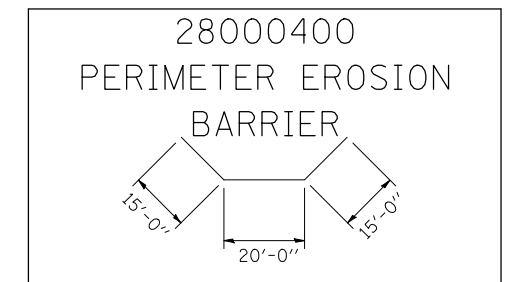
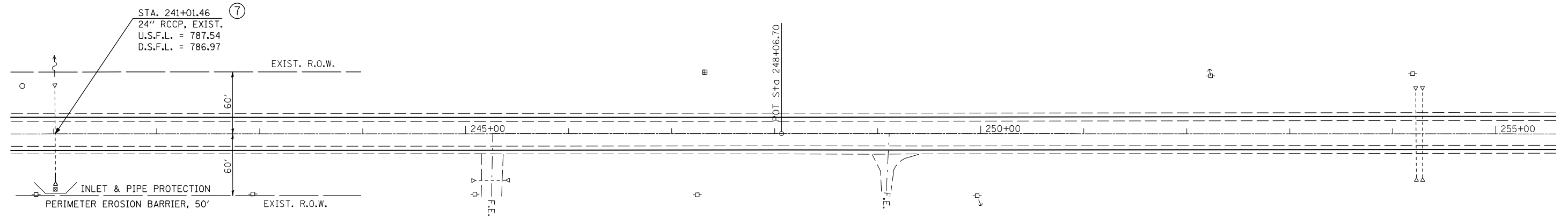
FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sh1-plen.dgn	DRAWN -	REVISED -					315		McLean	115	31
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -					•(101,102X)R,RS-2 & 55RS-PRK LN		CONTRACT NO.	70507	
	PLOT DATE = 12/9/2009	DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.

SEC. 32 - T 22 N - R 3 E - 3RD PM



SEC. 5 - T 21 N - R 3 E - 3RD PM

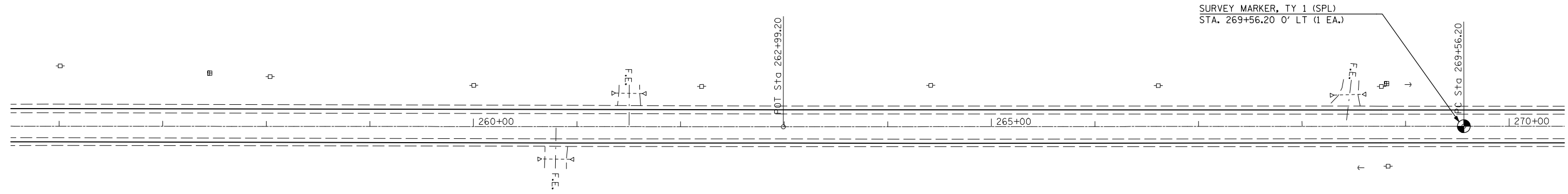
SEC. 32 - T 22 N - R 3 E - 3RD PM



SEC. 5 - T 21 N - R 3 E - 3RD PM

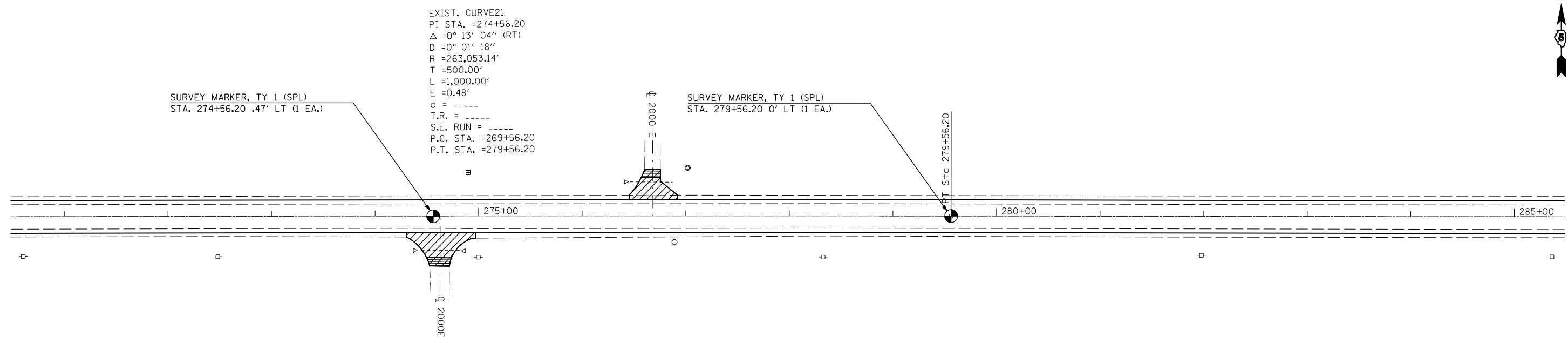
FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sht-plan.dgn		DRAWN -	REVISED -		315		McLean	115	32			
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		•(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507				
PLOT DATE = 12/9/2009		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



SEC. 32 - T 22 N - R 3 E - 3RD PM



SEC. 5 - T 21 N - R 3 E - 3RD PM

SEC. 33 - T 22 N - R 3 E - 3RD PM

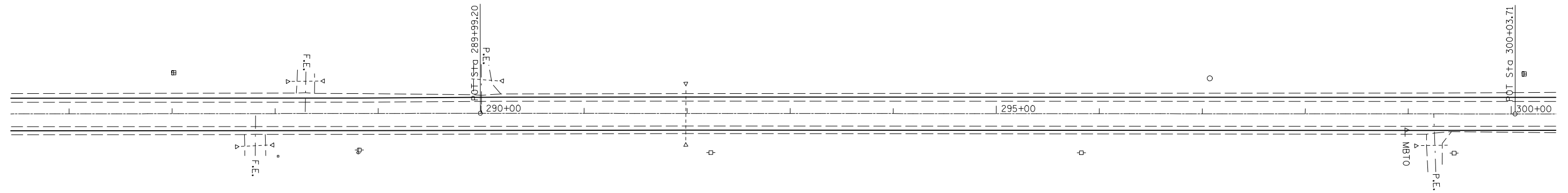


 INCIDENTAL HMA SURFACING 2 1/4"
 TEMPORARY RAMP

SEC. 4 - T 21 N - R 3 E - 3RD PM

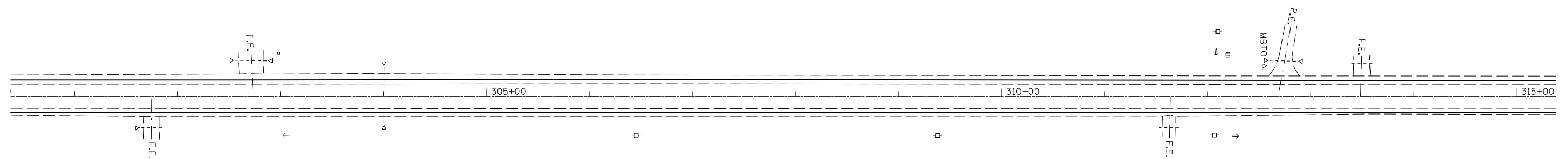
FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sh1-plan.dgn		DRAWN -	REVISED -					315		McLean	115	33
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		•(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507				
PLOT DATE = 12/9/2009		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SEC. 33 - T 22 N - R 3 E - 3RD PM



SEC. 4 - T 21 N - R 3 E - 3RD PM

SEC. 33 - T 22 N - R 3 E - 3RD PM



SEC. 4 - T 21 N - R 3 E - 3RD PM

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sht-plan.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/9/2009	DATE -	REVISED -

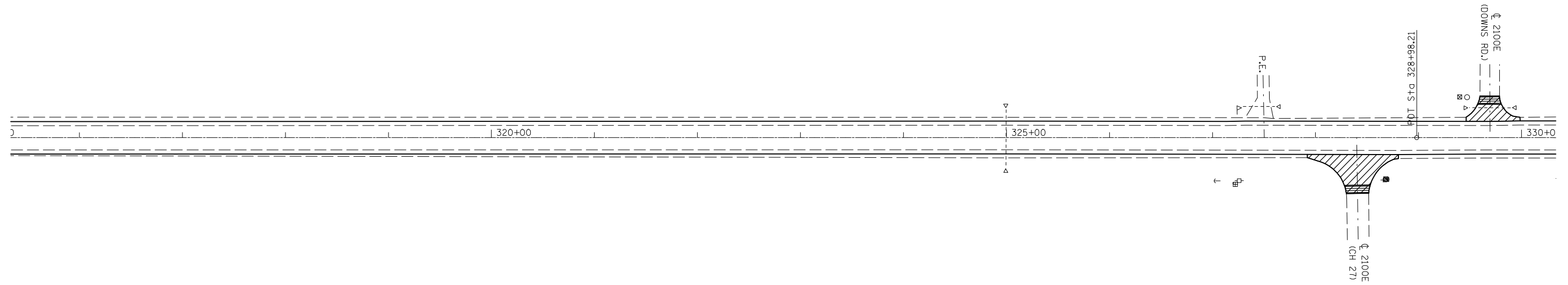
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PLAN SHEET

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	•	McLean	115	34
•(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507	
ILLINOIS FED. AID PROJECT				

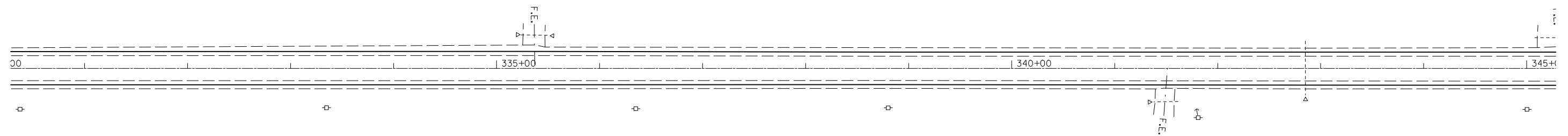
SEC. 33 - T 22 N - R 3 E - 3RD PM



-  INCIDENTAL HMA SURFACING 2 1/4"
-  TEMPORARY RAMP

SEC. 4 - T 21 N - R 3 E - 3RD PM

SEC. 34 - T 22 N - R 3 E - 3RD PM



SEC. 3 - T 21 N - R 3 E - 3RD PM

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sh1-plan.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/9/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

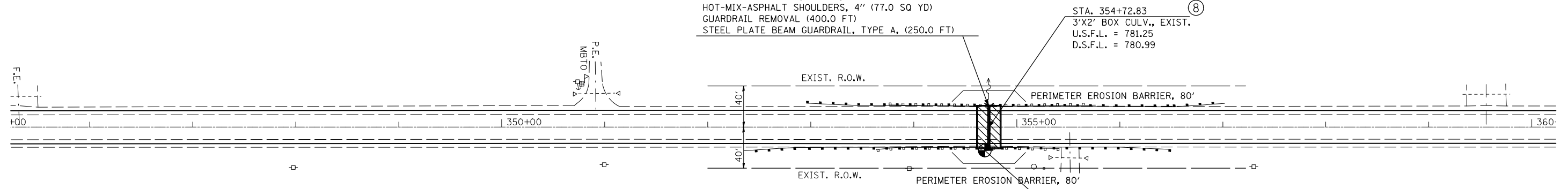
PLAN SHEET

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	•	McLean	115	35
•(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507	
ILLINOIS FED. AID PROJECT				

SEC. 34 - T 22 N - R 3 E - 3RD PM

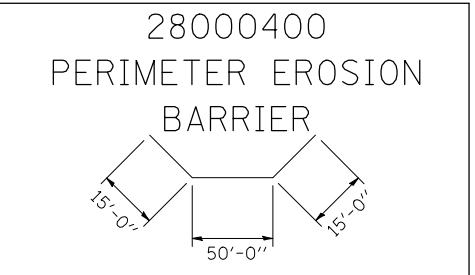
PROPOSED S.N. 057-2044, STA. 354+72.83
 BOX CULVERT REMOVAL (0.5 L SUM)
 STRUCTURE EXCAVATION (197.9 CU YD)
 PRECAST CONCRETE BOX CULVERT 10'X3'(M273)(84.0 FT)
 BOX CULVERT END SECTION, CULVERT NO. 3 (2 EA)
 POROUS GRANULAR EMBANKMENT (110.2 CU YD)
 CLASS "D" PATCHES, TY. IV, 7" (125.0 SQ YD)
 HOT-MIX-ASPHALT SHOULDERS, 4" (77.0 SQ YD)
 GUARDRAIL REMOVAL (400.0 FT)
 STEEL PLATE BEAM GUARDRAIL, TYPE A, (250.0 FT)



STA. 354+72.83
 3'X2' BOX CULV., EXIST.
 U.S.F.L. = 781.25
 D.S.F.L. = 780.99

TRAFFIC BARRIER TERMINAL, TY. 1 (SPL)(TANGENT)
 STA. 352+35.5 TO STA. 352.85.8 (RT)
 STA. 355+98.0 TO STA. 356+48.0 (RT)
 STA. 352+98.0 TO STA. 353+48.0 (LT)
 STA. 356+60.5 TO STA. 357+10.5 (LT)

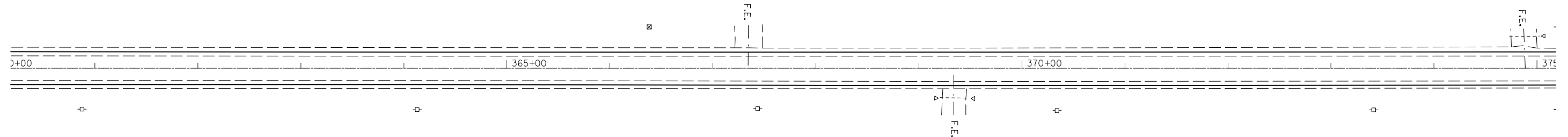
STA. 354+72, 21' RT.
 PERMANENT BENCHMARK, (1 EACH)
 TO BE PLACED ON SOUTHWEST
 WINGWALL



CLASS "D" PATCH, T4, 7"

SEC. 3 - T 21 N - R 3 E - 3RD PM

SEC. 34 - T 22 N - R 3 E - 3RD PM

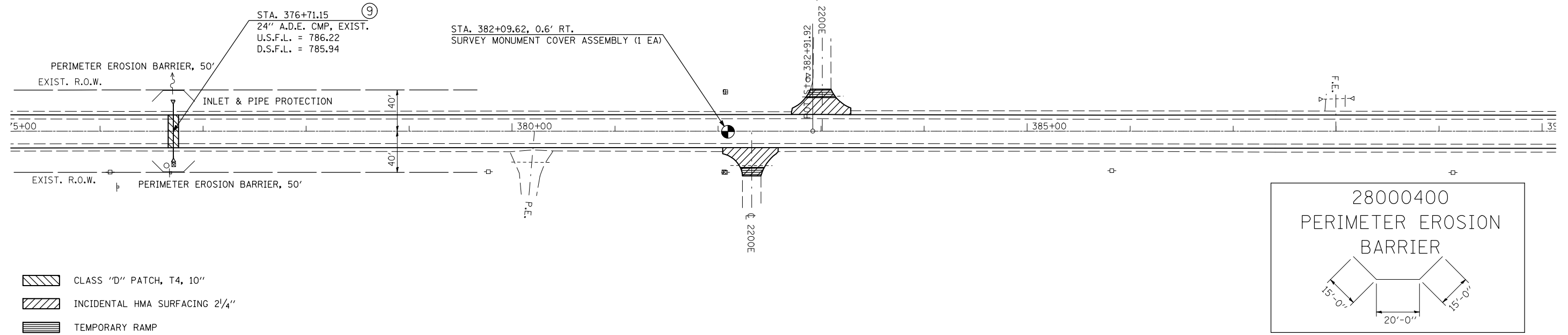


SEC. 3 - T 21 N - R 3 E - 3RD PM

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\bucklesjj\d0170848\057-2044-shr-plen.dgn		DRAWN -	REVISED -		315		McLean	115	36			
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -		•(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507				
	PLOT DATE = 12/9/2009	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				

SEC. 34 - T 22 N - R 3 E - 3RD PM

SEC. 35 - T 22 N - R 3 E - 3RD PM

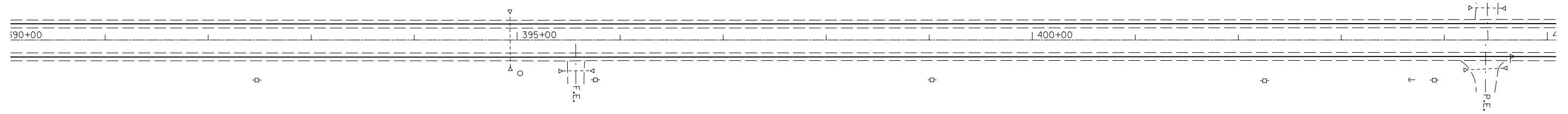


- CLASS "D" PATCH, T4, 10"
- INCIDENTAL HMA SURFACING 2 1/4"
- TEMPORARY RAMP

SEC. 3 - T 21 N - R 3 E - 3RD PM

SEC. 2 - T 21 N - R 3 E - 3RD PM

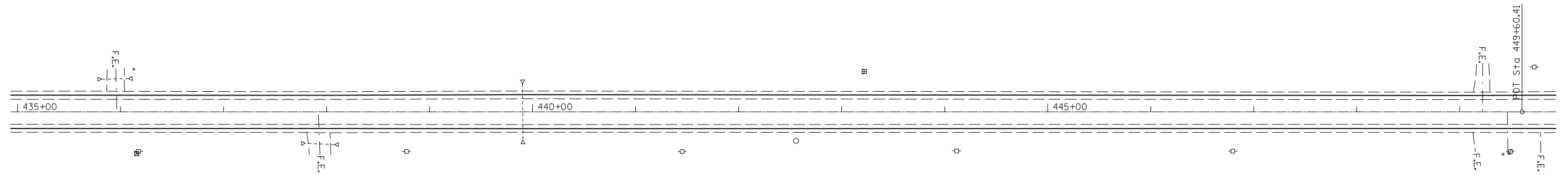
SEC. 35 - T 22 N - R 3 E - 3RD PM



SEC. 2 - T 21 N - R 3 E - 3RD PM

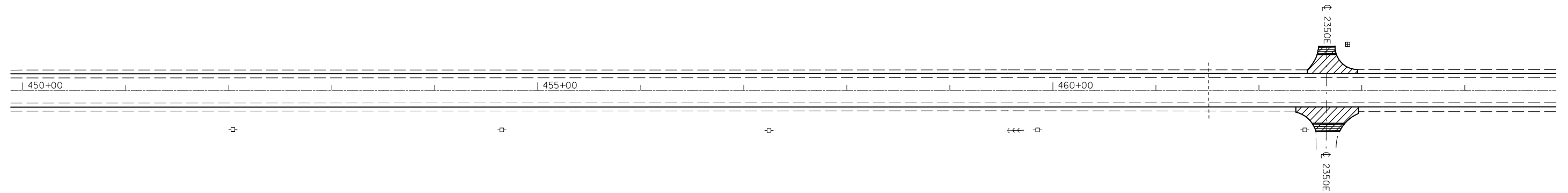
FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sh1-plen.dgn		DRAWN -	REVISED -					315		McLean	115	37
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		•(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507				
PLOT DATE = 12/9/2009		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SEC. 36 - T 22 N - R 3 E - 3RD PM



SEC. 1 - T 21 N - R 3 E - 3RD PM

SEC. 36 - T 22 N - R 3 E - 3RD PM

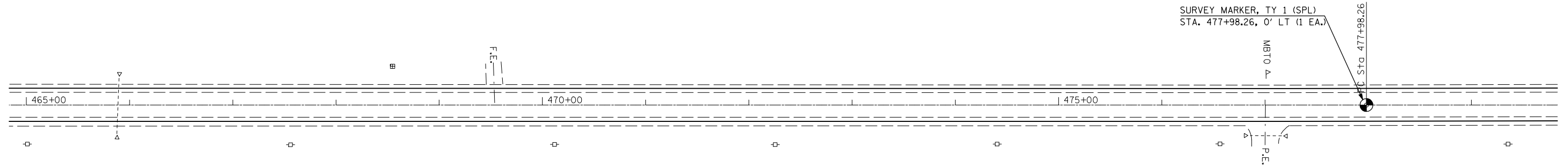


- INCIDENTAL HMA SURFACING 2 1/4"
- TEMPORARY RAMP

SEC. 1 - T 21 N - R 3 E - 3RD PM

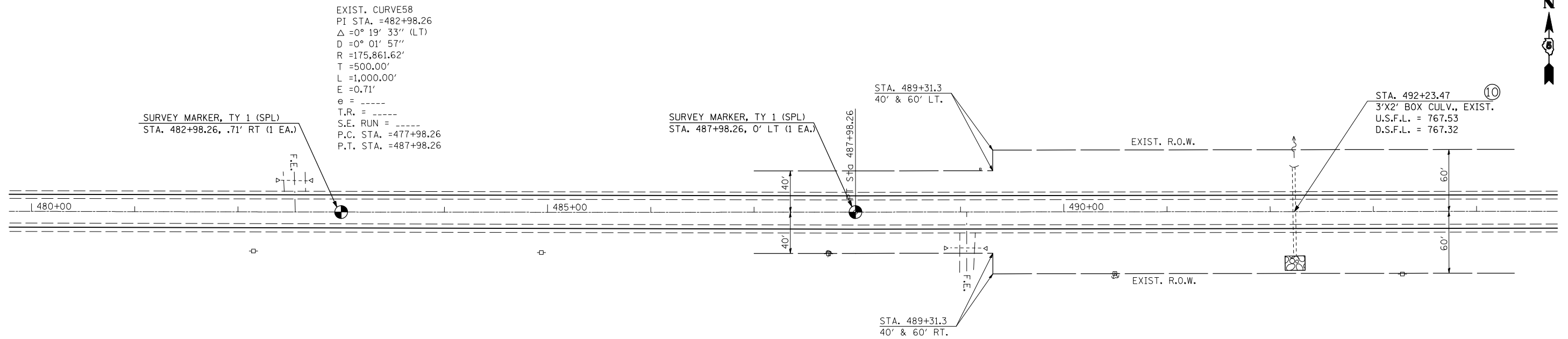
FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sh1-plan.dgn		DRAWN -	REVISED -		315		McLean	115	39			
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507				
PLOT DATE = 12/9/2009		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SEC. 36 - T 22 N - R 3 E - 3RD PM



SEC. 1 - T 21 N - R 3 E - 3RD PM

SEC. 31 - T 22 N - R 4 E - 3RD PM

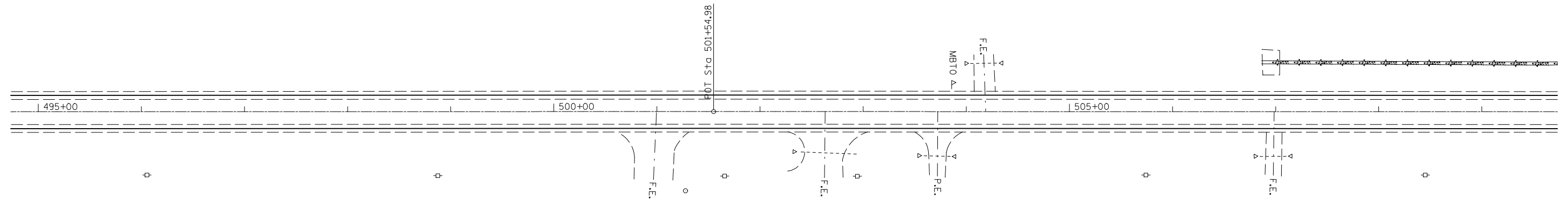


STONE RIPRAP, CLASS A-3

SEC. 6 - T 21 N - R 4 E - 3RD PM

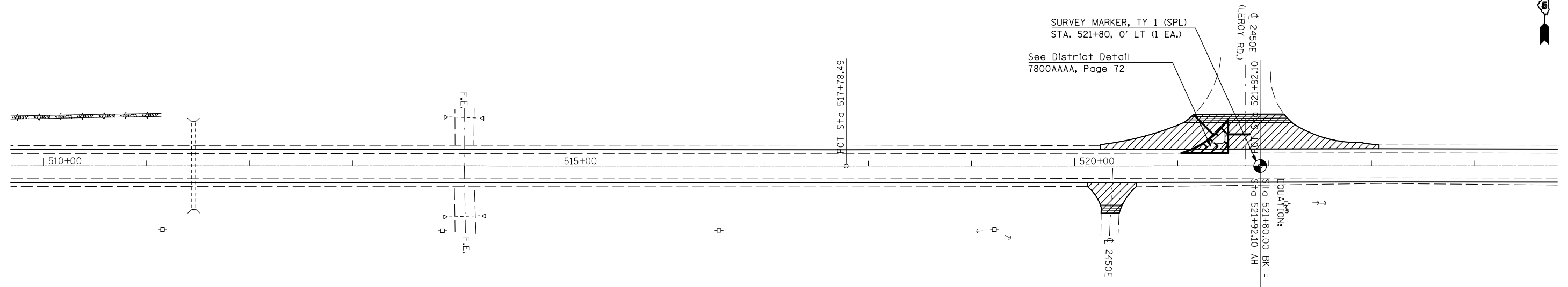
FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sh1-plan.dgn	DRAWN -	REVISED -	REVISED -					315	*	McLean	115	40
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	REVISED -		•(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507				
PLOT DATE = 12/9/2009	DATE -	REVISED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SEC. 31 - T 22 N - R 4 E - 3RD PM



SEC. 6 - T 21 N - R 4 E - 3RD PM

SEC. 31 - T 22 N - R 4 E - 3RD PM



- INCIDENTAL HMA SURFACING 2 1/4"
- TEMPORARY RAMP

SEC. 6 - T 21 N - R 4 E - 3RD PM

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sh1-p1en.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/9/2009	DATE -	REVISED -

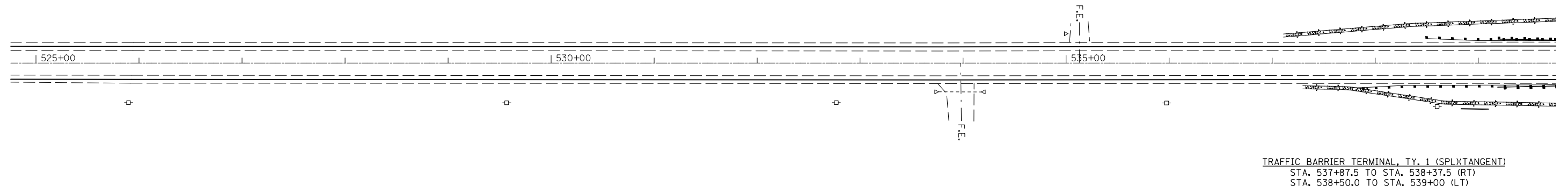
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	•	McLean	115	41
•(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507	
ILLINOIS FED. AID PROJECT				

SEC. 31 - T 22 N - R 4 E - 3RD PM

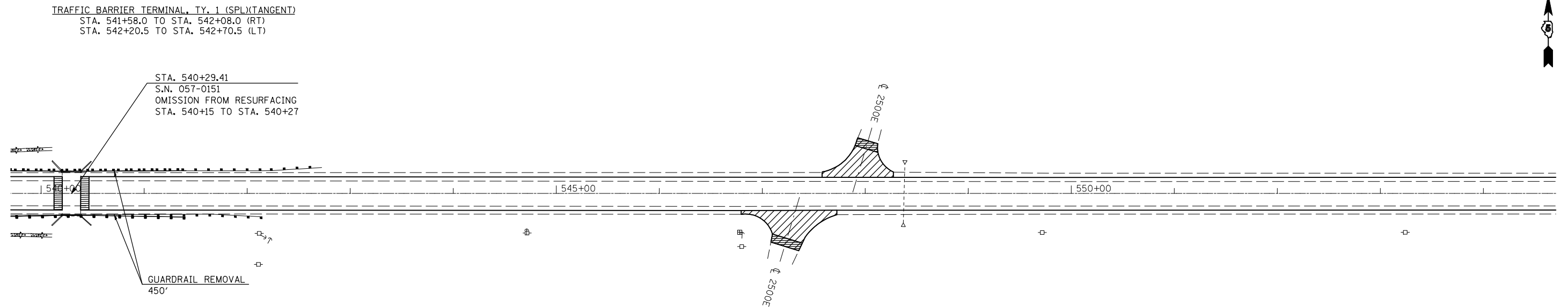


TRAFFIC BARRIER TERMINAL, TY. 1 (SPL)(TANGENT)
 STA. 537+87.5 TO STA. 538+37.5 (RT)
 STA. 538+50.0 TO STA. 539+00 (LT)

SEC. 6 - T 21 N - R 4 E - 3RD PM

SEC. 31 - T 22 N - R 4 E - 3RD PM

SEC. 32 - T 22 N - R 4 E - 3RD PM



TRAFFIC BARRIER TERMINAL, TY. 1 (SPL)(TANGENT)
 STA. 541+58.0 TO STA. 542+08.0 (RT)
 STA. 542+20.5 TO STA. 542+70.5 (LT)

STA. 540+29.41
 S.N. 057-0151
 OMISSION FROM RESURFACING
 STA. 540+15 TO STA. 540+27

GUARDRAIL REMOVAL
 450'

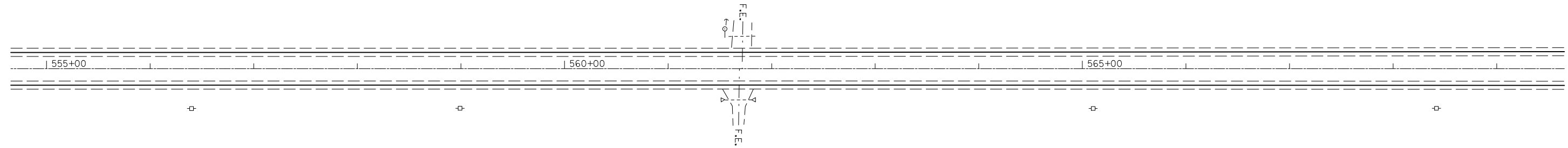
- INCIDENTAL HMA SURFACING 2 1/4"
- TEMPORARY RAMP

SEC. 6 - T 21 N - R 4 E - 3RD PM

SEC. 5 - T 21 N - R 4 E - 3RD PM

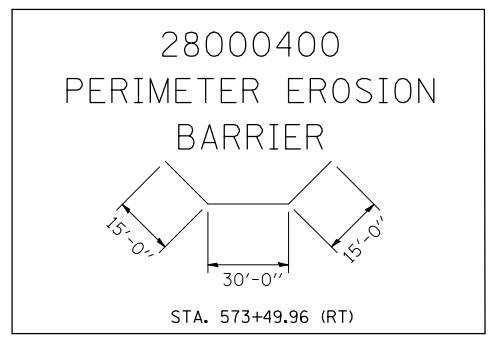
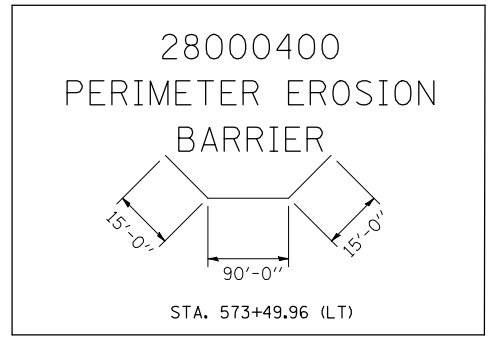
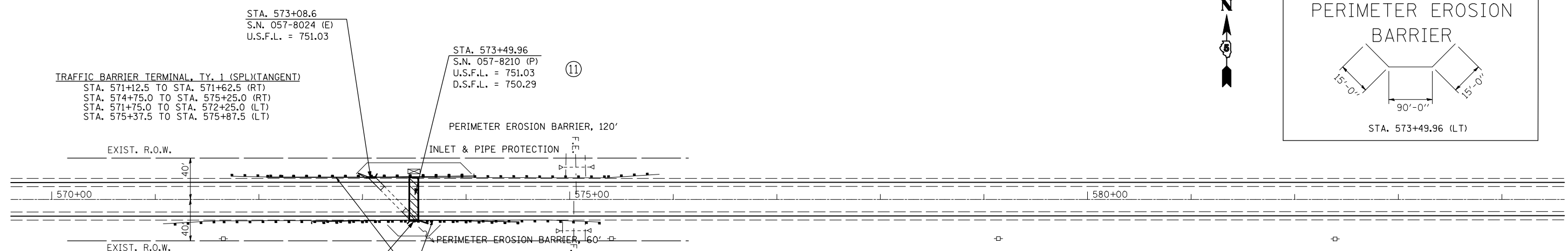
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	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	•(101,102X)R,RS-2 & 55RS-PRK LN		
	PLOT DATE = 12/9/2009	CHECKED -	REVISED -					ILLINOIS FED. AID PROJECT			CONTRACT NO. 70507	
		DATE -	REVISED -									

SEC. 32 - T 22 N - R 4 E - 3RD PM



SEC. 5 - T 21 N - R 4 E - 3RD PM

SEC. 32 - T 22 N - R 4 E - 3RD PM



CLASS "D" PATCH, T4, 10"

SEC. 5 - T 21 N - R 4 E - 3RD PM

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sh1-plan.dgn	DRAWN -	REVISED -	REVISED -					315		McLean	115	43
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	REVISED -		•(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507				
PLOT DATE = 12/9/2009	DATE -	REVISED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SEC. 32 - T 22 N - R 4 E - 3RD PM



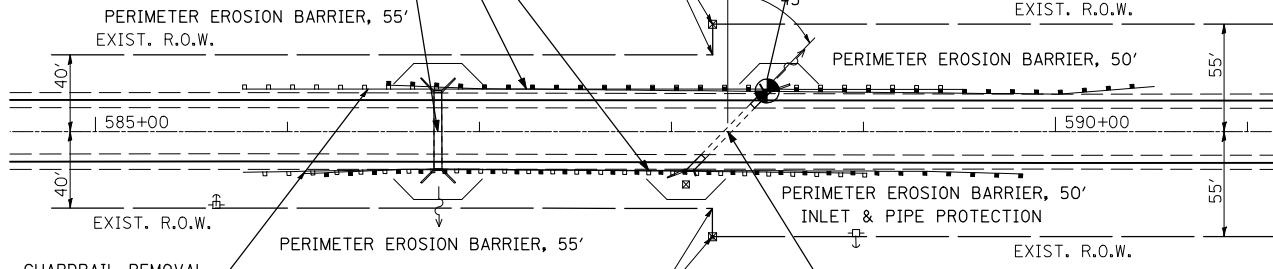
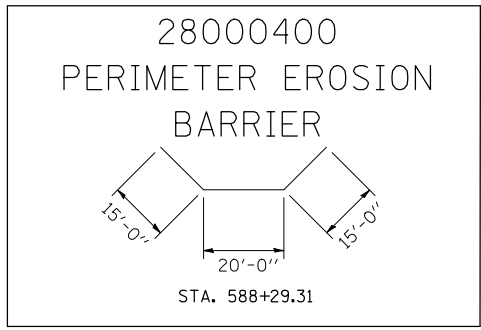
TRAFFIC BARRIER TERMINAL, TY. 1 (SPL)(TANGENT)
 STA. 586+06.5 TO STA. 586+56.5 (RT)
 STA. 589+41.0 TO STA. 589+91.0 (RT)
 STA. 586+66.5 TO STA. 587+16.5 (LT)
 STA. 590+01.5 TO STA. 590+51.5 (LT)

STA. 586+78.33
 4'X6' RC BOX CULV., EXIST.
 CULVERT TO BE GROUTED, 35.6 CU.YD.
 U.S.F.L. = 741.37
 D.S.F.L. = 741.24

GUARDRAIL REMOVAL
 700'

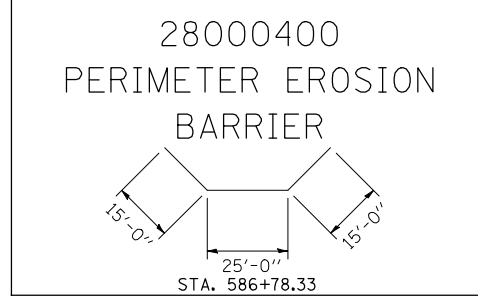
STA. 588+21
 40' & 55' LT.

STA. 588+50, 21' LT.
 PERMANENT BENCHMARK, (1 EACH)
 TO BE PLACED ON CENTER OF
 NORTH HEADWALL



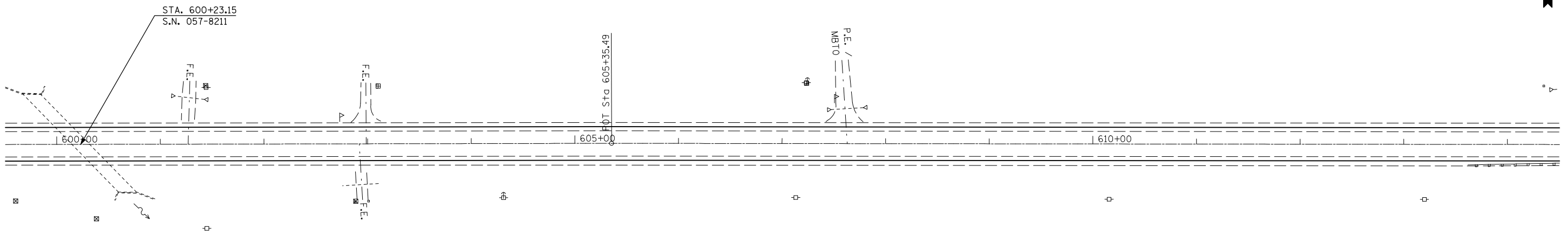
STA. 588+21
 40' & 55' RT.

STA. 588+29.31
 3'X2' RC BOX CULV., EXIST.
 SKEW = 45° LEFT FORWARD
 U.S.F.L. = 743.44
 D.S.F.L. = 742.99



SEC. 5 - T 21 N - R 4 E - 3RD PM

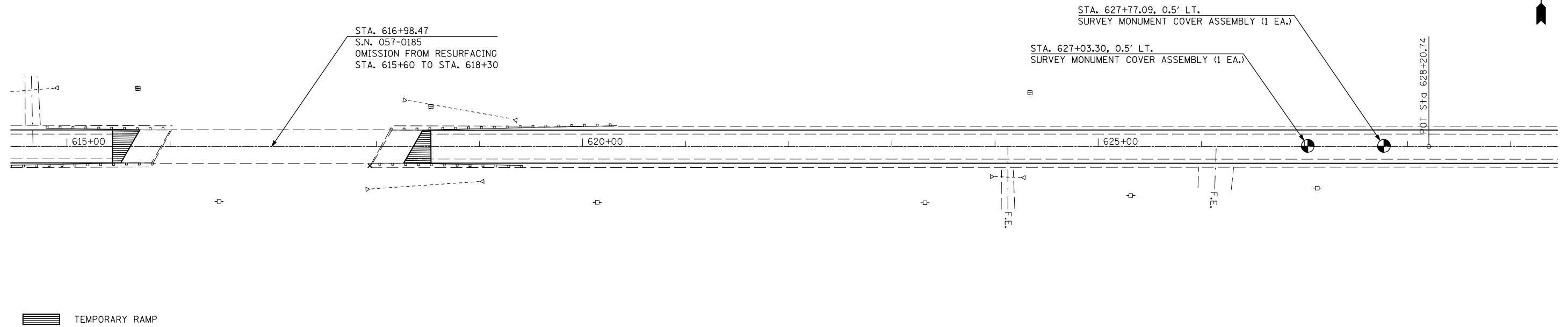
SEC. 33 - T 22 N - R 4 E - 3RD PM



SEC. 4 - T 21 N - R 4 E - 3RD PM

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PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	•(101,102X)R,RS-2 & 55RS-PRK LN CONTRACT NO. 70507		
PLOT DATE = 12/9/2009	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							

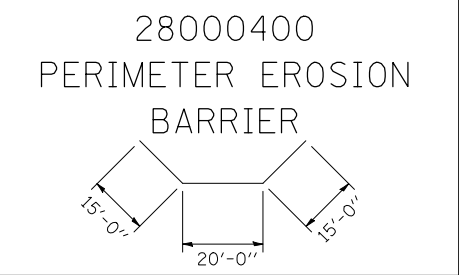
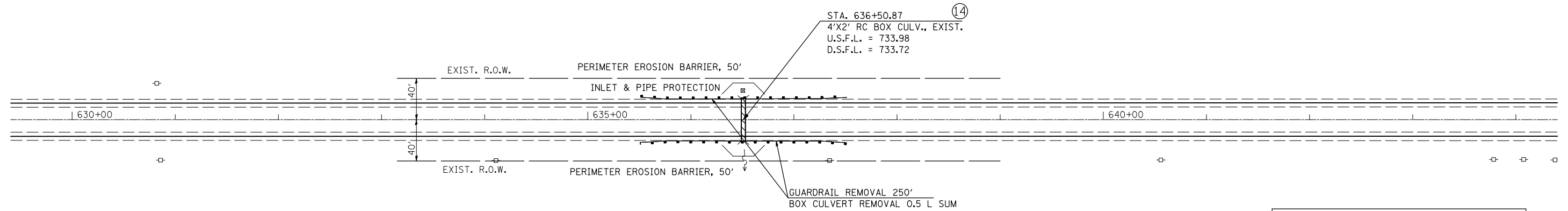
SEC. 33 - T 22 N - R 4 E - 3RD PM



SEC. 4 - T 21 N - R 4 E - 3RD PM

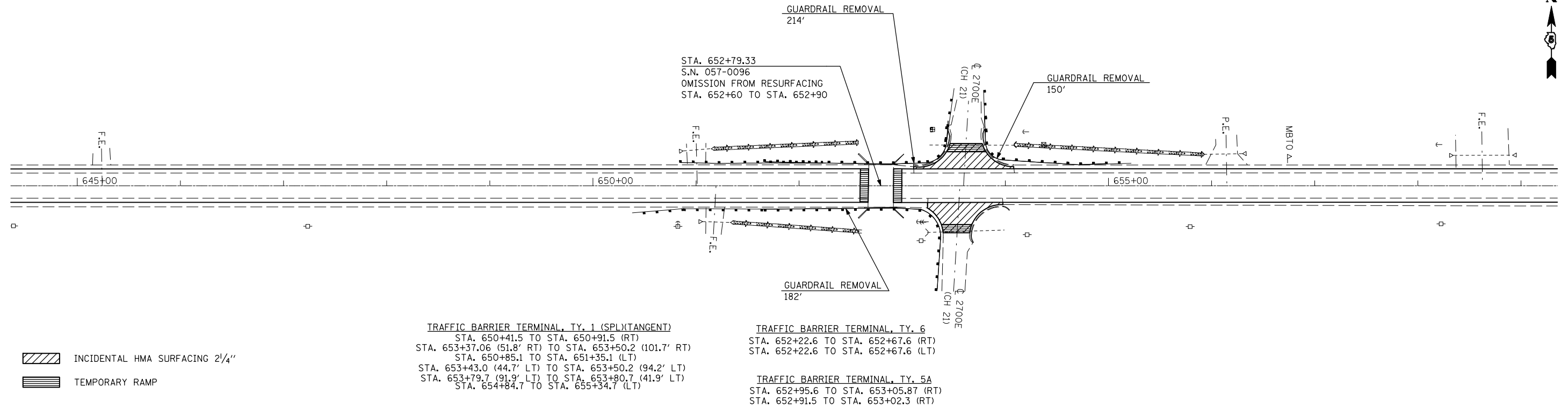
"□" ON WINGWALL, SE CORNER OF BRIDGE
STA. 617+93.76, 18.56' RT, ELEV. 731.26

SEC. 33 - T 22 N - R 4 E - 3RD PM

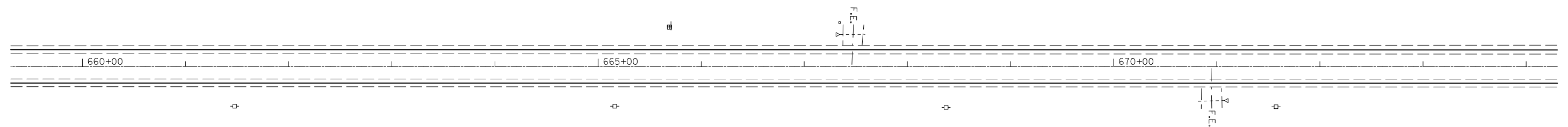


SEC. 4 - T 21 N - R 4 E - 3RD PM

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sh1-plen.dgn		DRAWN -	REVISED -		315		McLean	115	45			
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		•(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507				
PLOT DATE = 12/9/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				



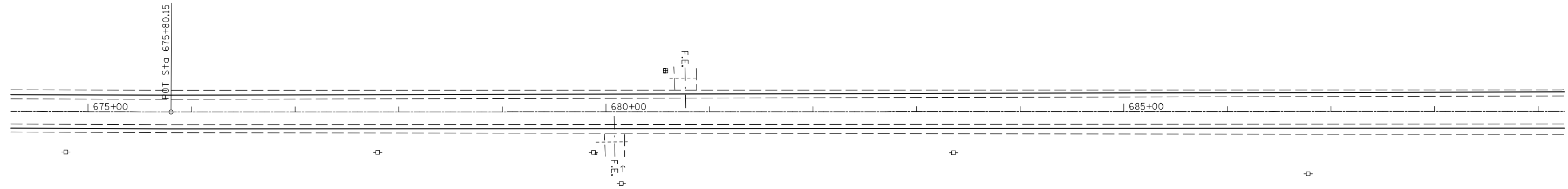
SEC. 34 - T 22 N - R 4 E - 3RD PM



SEC. 3 - T 21 N - R 4 E - 3RD PM

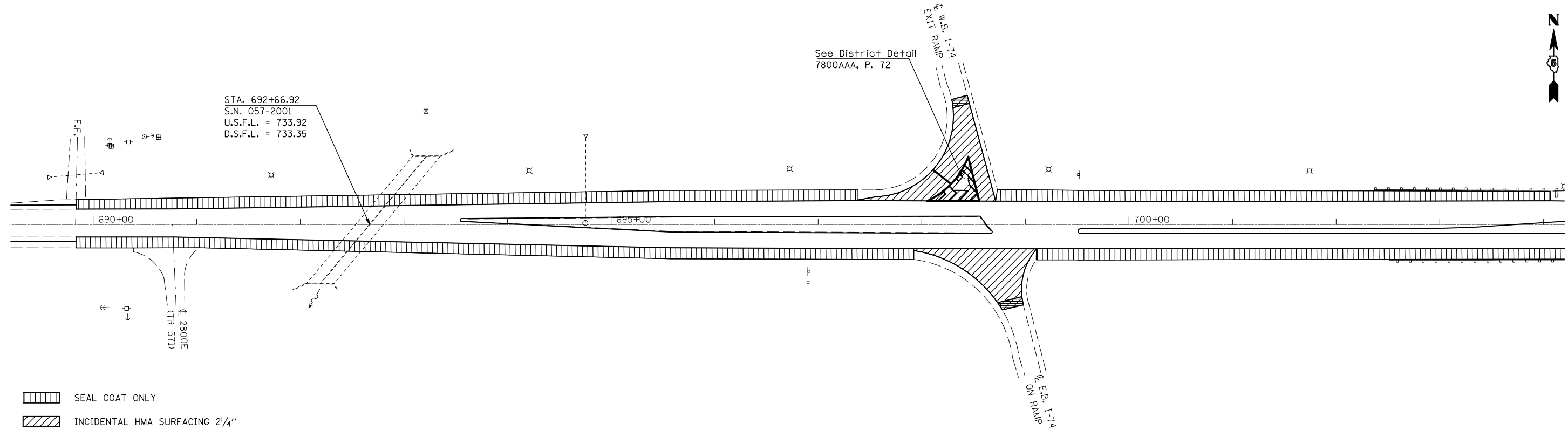
FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-shr-pln.dgn		DRAWN -	REVISED -					315		McLean	115	46
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		•(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507				
PLOT DATE = 12/9/2009		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SEC. 34 - T 22 N - R 4 E - 3RD PM



SEC. 3 - T 21 N - R 4 E - 3RD PM

SEC. 34 - T 22 N - R 4 E - 3RD PM



SEC. 3 - T 21 N - R 4 E - 3RD PM

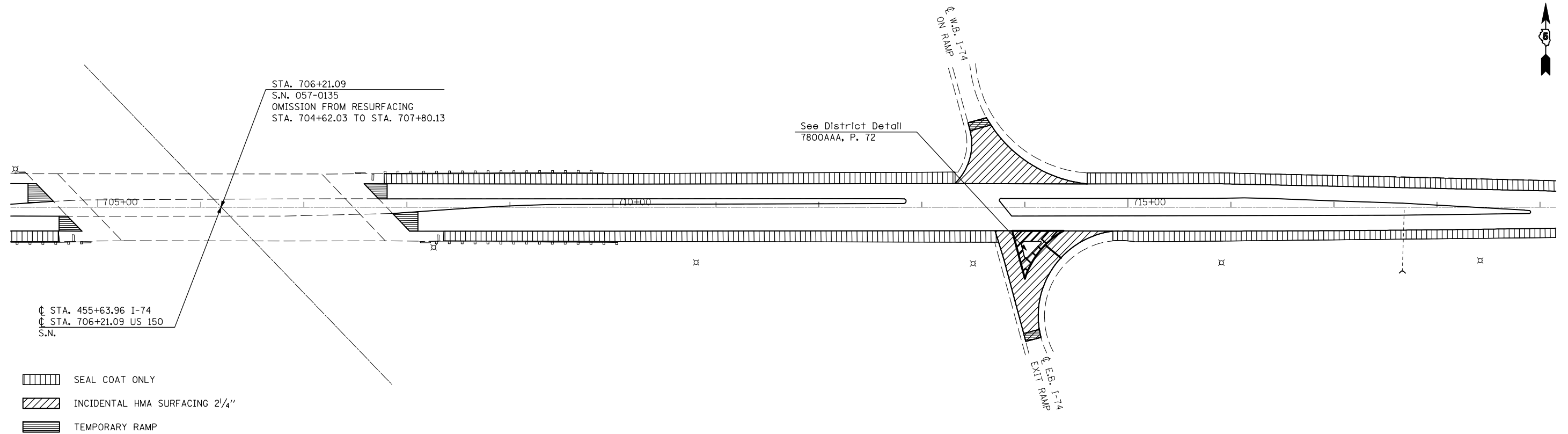
FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -
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	PLOT DATE = 12/9/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

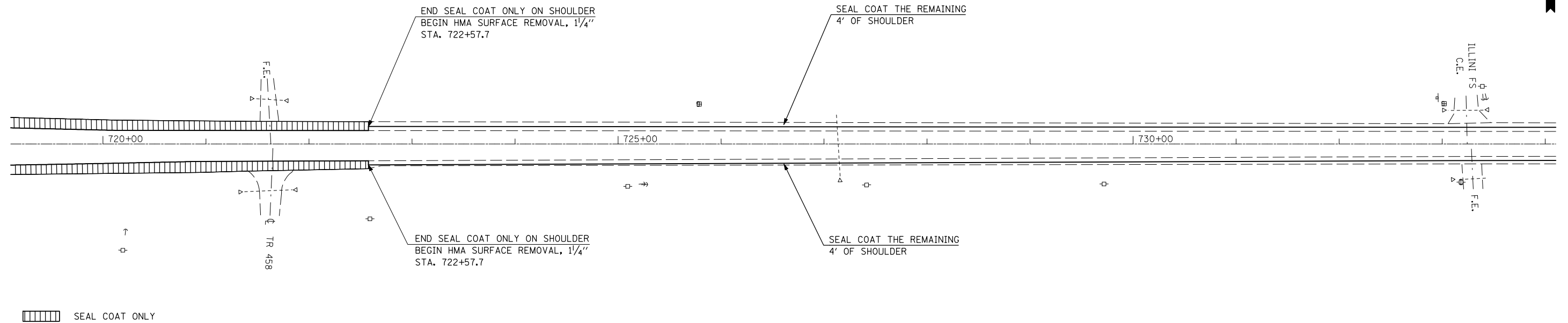
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	•	McLean	115	47
•(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507	
ILLINOIS FED. AID PROJECT				

SEC. 35 - T 22 N - R 4 E - 3RD PM



SEC. 2 - T 21 N - R 4 E - 3RD PM

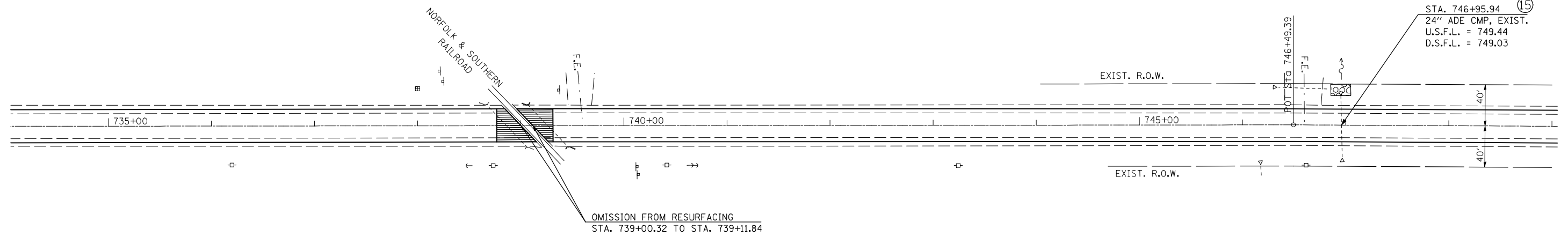
SEC. 35 - T 22 N - R 4 E - 3RD PM





SEC. 2 - T 21 N - R 4 E - 3RD PM

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sh1-plen.dgn		DRAWN -	REVISED -		315	•	McLean	115	48			
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -		•(101,102X)R,RS-2 & 55RS-PRK LN				CONTRACT NO. 70507			
	PLOT DATE = 12/9/2009	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SEC. 35 - T 22 N - R 4 E - 3RD PM

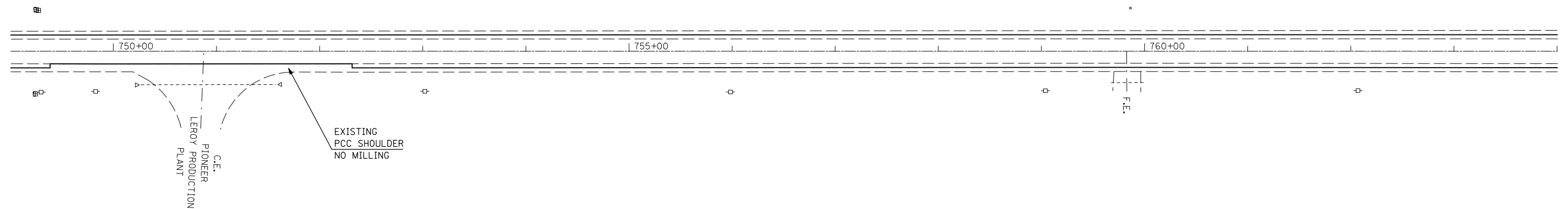


-  TEMPORARY RAMP
-  STONE RIPRAP, CLASS A-3

SEC. 2 - T 21 N - R 4 E - 3RD PM

SEC. 35 - T 22 N - R 4 E - 3RD PM

SEC. 36 - T 22 N - R 4 E - 3RD PM

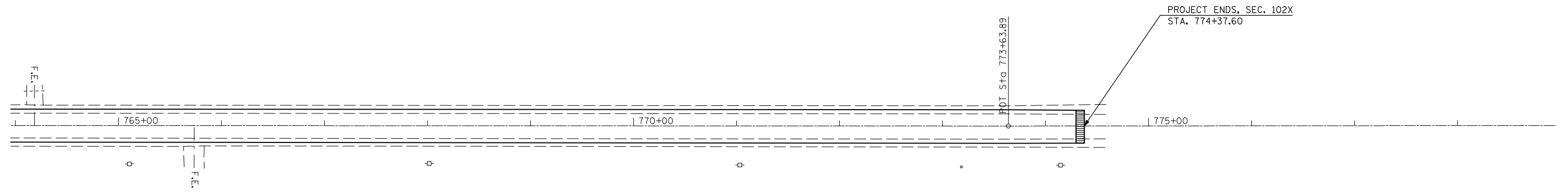


SEC. 2 - T 21 N - R 4 E - 3RD PM

SEC. 1 - T 21 N - R 4 E - 3RD PM

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PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	•(101,102X)R,RS-2 & 55RS-PRK LN CONTRACT NO. 70507		
PLOT DATE = 12/9/2009	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							

SEC. 36 - T 22 N - R 4 E - 3RD PM



 TEMPORARY RAMP

SEC. 1 - T 21 N - R 4 E - 3RD PM

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/9/2009	DATE -	REVISED -

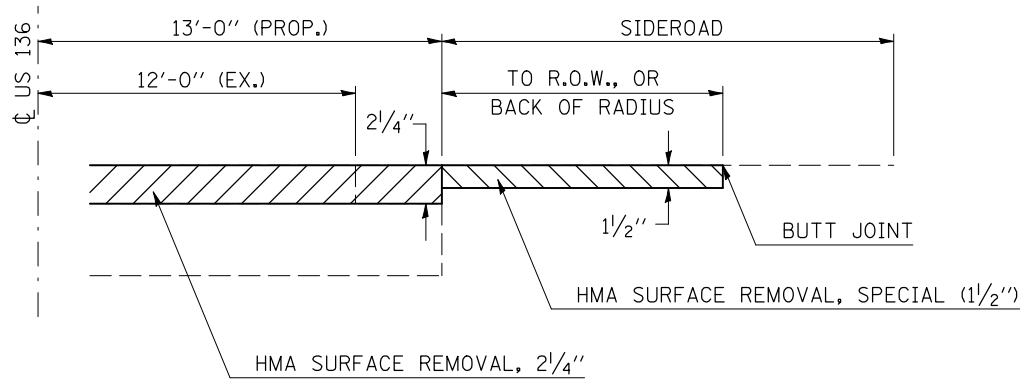
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: SHEET NO. OF SHEETS STA. TO STA.

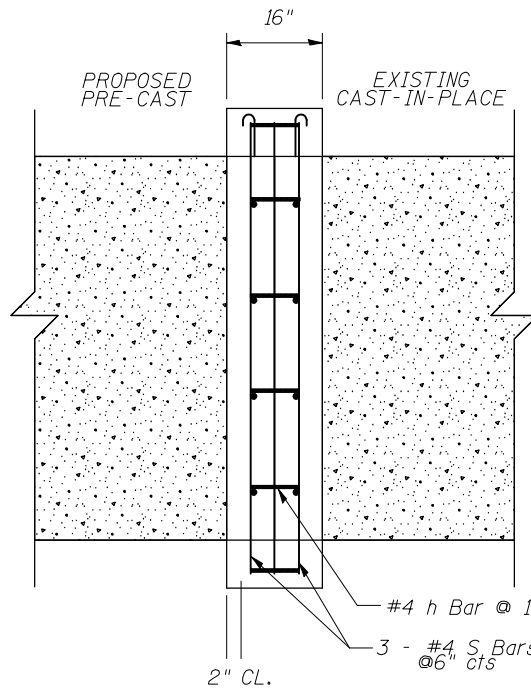
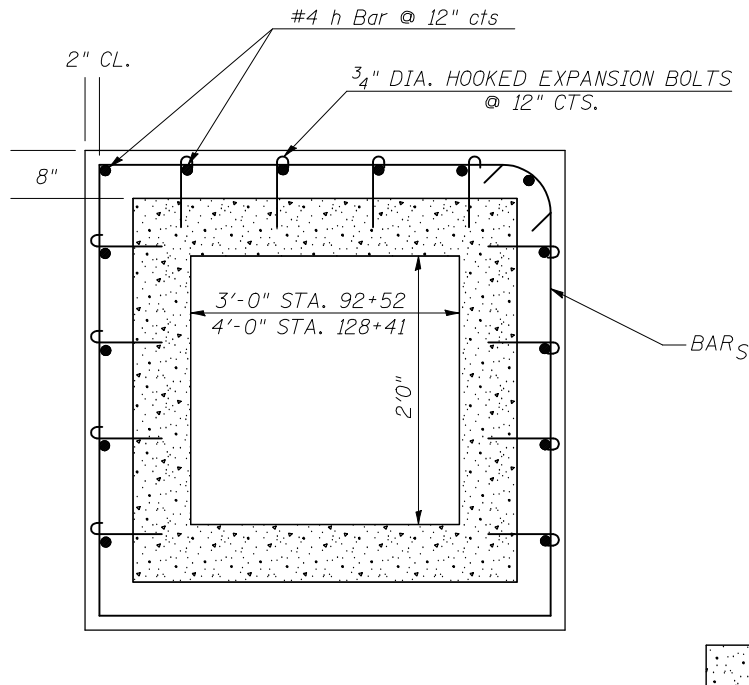
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	50
•(101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507	
ILLINOIS FED. AID PROJECT				

DETAIL OF SIDEROAD MILLING



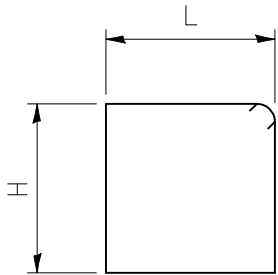
* TEMP RAMP MAY BE OMITTED AS DETERMINED BY THE ENGINEER.

DETAIL OF CONCRETE COLLAR FOR BOX CULVERT



BILL OF MATERIALS FOR CONCRETE COLLARS

CULVERT SIZE	CLASS SI CONCRETE	WELDED WIRE FABRIC	3/4" EXPANSION HOOK BOLTS	h BAR	S BAR
3'x2'	.26 CU YD	15.5 SQ FT	24	12 - #4	3 - #4 - 20.7 LBS/COLLAR
4'x2'	.31 CU YD	17.5 SQ FT	36	18 - #4	3 - #4 - 20.7 LBS/COLLAR

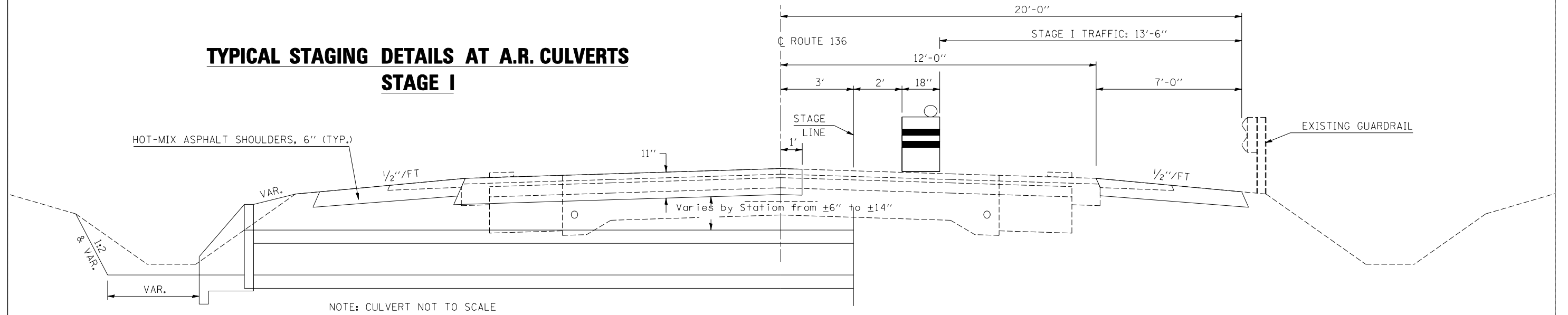


3'x2' L=4'-4" H=3'-5" LENGTH =15'-6"
 4'x2' L=5'-4" H=3'-5" LENGTH =17'-6"

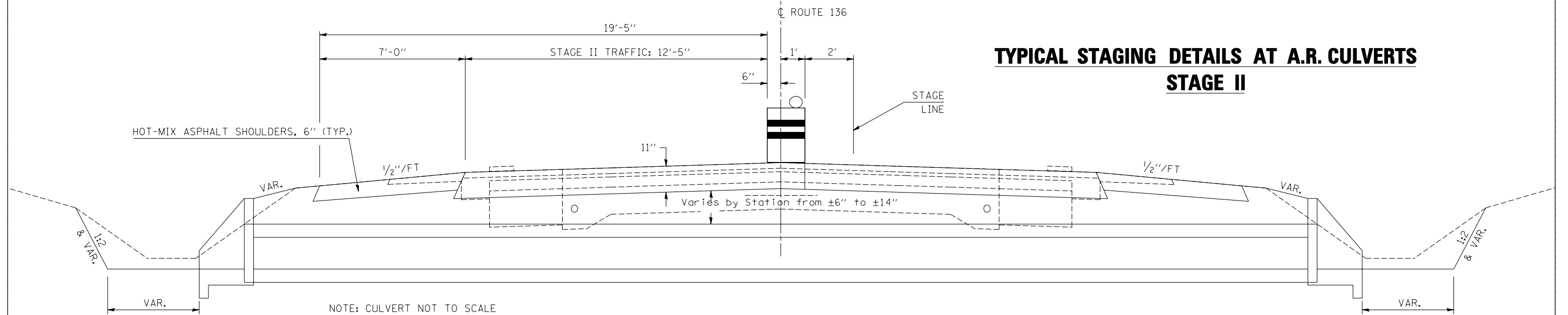
GENERAL NOTES

1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
2. CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, PER CUBIC YARD (CUBIC METER), FOR CONCRETE COLLARS INCLUDING ALL MATERIAL AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.

TYPICAL STAGING DETAILS AT A.R. CULVERTS STAGE I



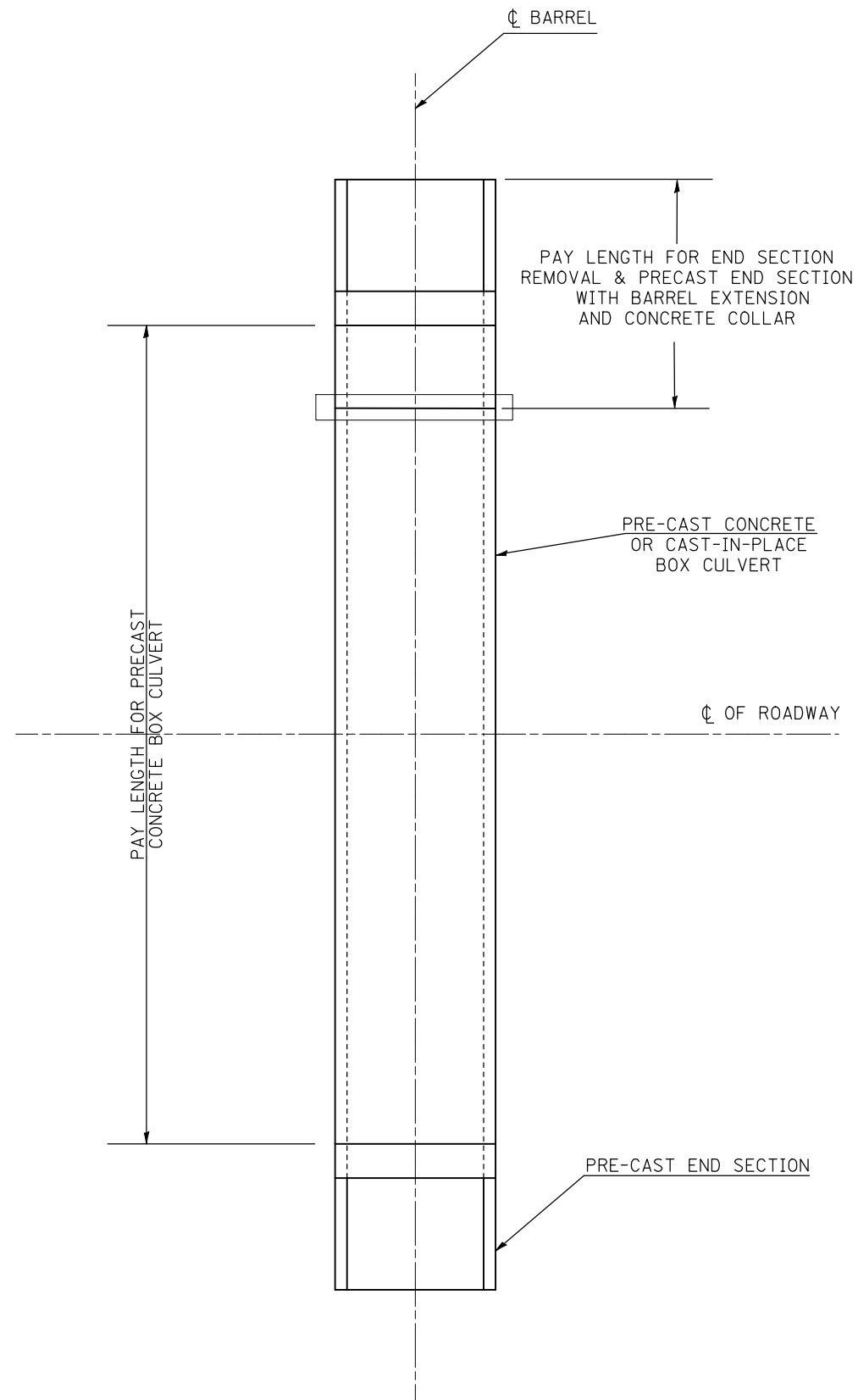
TYPICAL STAGING DETAILS AT A.R. CULVERTS STAGE II



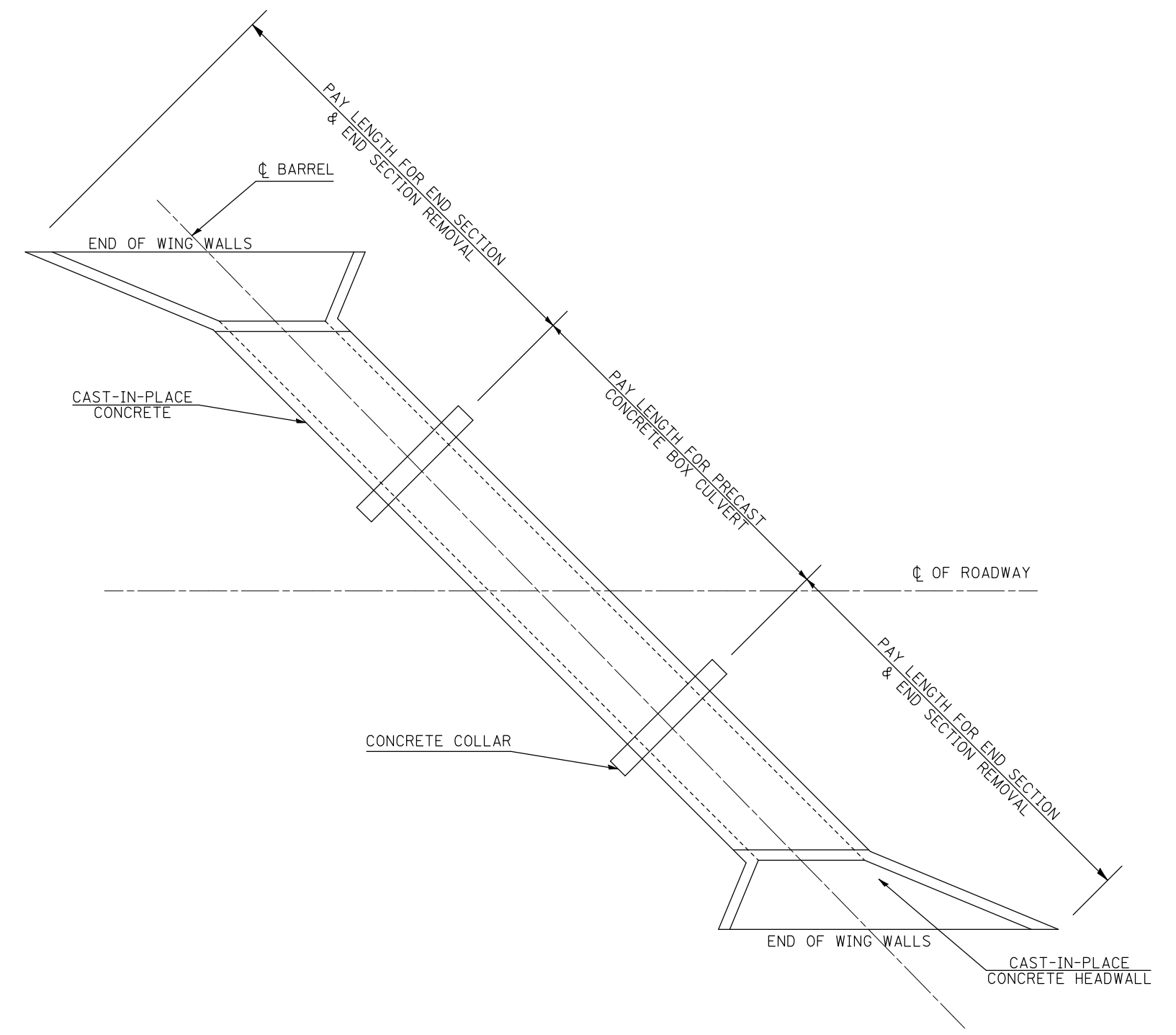
A. R. CULVERT LOCATION	TRAFFIC CONTROL STANDARD	ESTIMATED TIME	** CHANGEABLE MESSAGE SIGNS
STA. 354+72	701206	2 days @ 24 Hr. Days	2 EACH AT 5.0 CAL DAY = 10.0 CAL DAY (note #5)
STA. 376+71	701201	2 days @ 8 Hr. Days	2 EACH AT 2.0 CAL DAY = 4.0 CAL DAY
STA. 573+50	701206	2 days @ 24 Hr. Days	2 EACH AT 2.0 CAL DAY = 4.0 CAL DAY
STA. 636+50	701201	2 days @ 8 Hr. Days	2 EACH AT 2.0 CAL DAY = 4.0 CAL DAY

NOTES

1. Refer to Special Provisions for TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 and 701206, and STAGE CONSTRUCTION AT ACROSS ROAD STRUCTURES for additional information.
2. This detail sheet shows typical dimensions and thicknesses, actual thickness will vary, based on location. See culvert details for exact thickness and dimensions.
3. Construct downstream end of A.R. culvert first.
4. Minimum fill over the box is 6" of Earth or PCC Base Course, under no circumstances should heavy equipment operate directly on the newly installed pre-cast Box Culvert.
5. CMS boards shall be placed 3 days prior to starting work on the first culvert.



PAY LENGTH FOR PRECAST CONCRETE BOX CULVERT AT RIGHT ANGLES WITH ROADWAY



PAY LENGTH FOR PRECAST CONCRETE BOX CULVERT SKEWED WITH ROADWAY

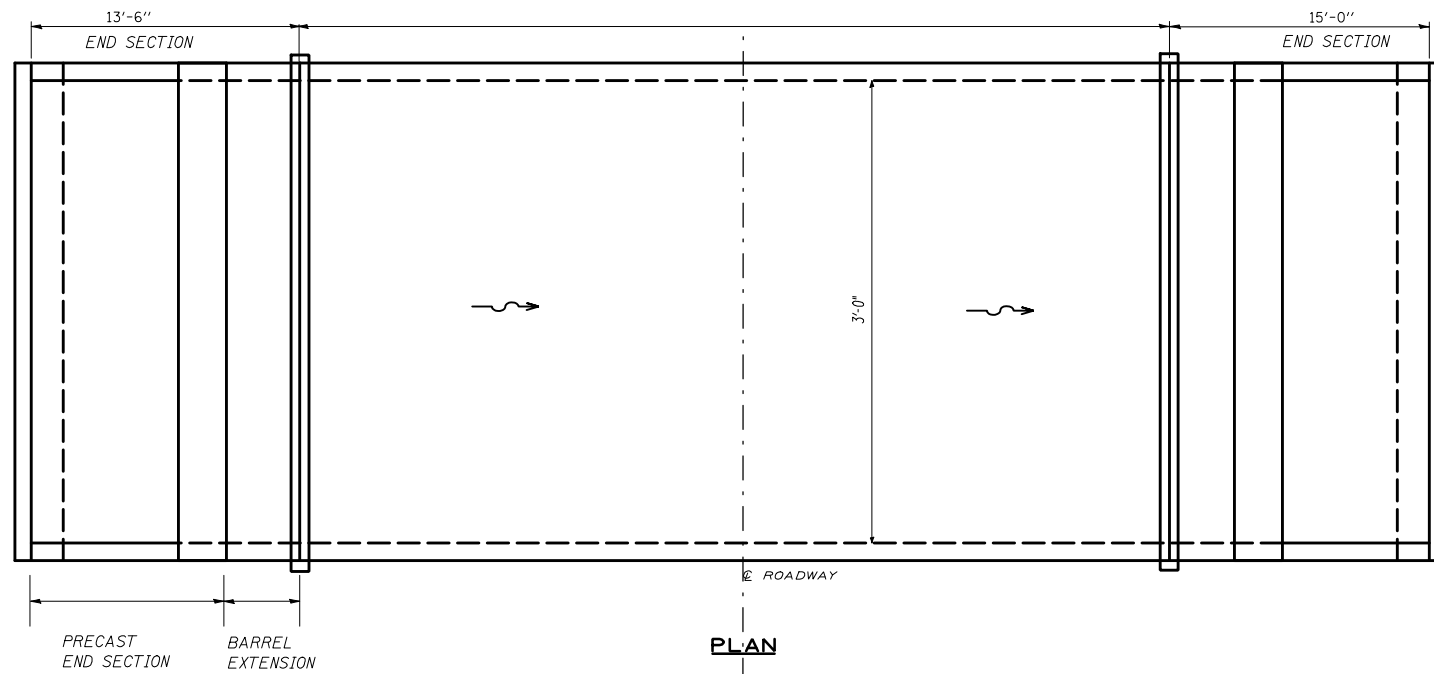
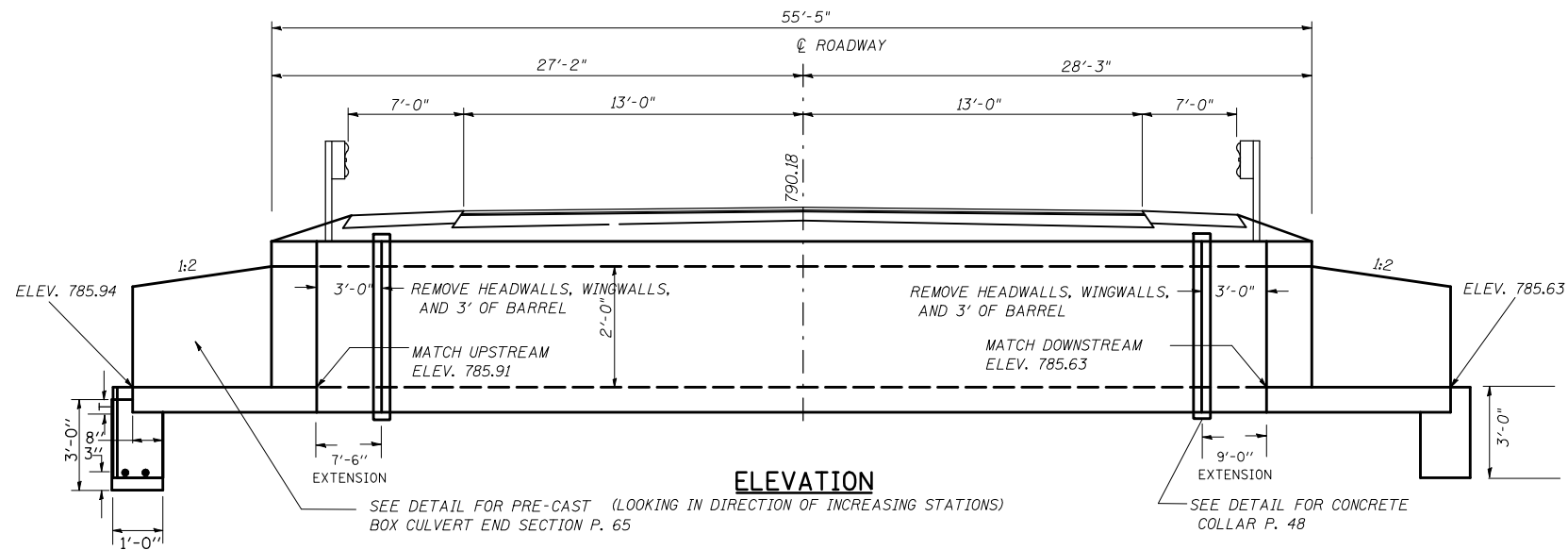
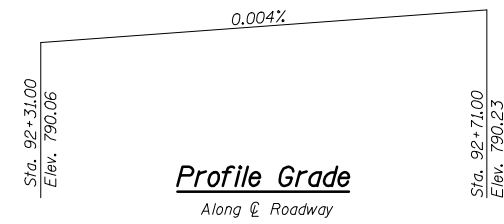
FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sh1-details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/9/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PRECAST CONCRETE BOX CULVERT DETAILS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	MCLEAN	115	53
*101,102X,RS-2 & 55RS-PRK LN		CONTRACT NO. 70507		
ILLINOIS FED. AID PROJECT				

EXISTING STRUCTURE: THE EXISTING BOX CULVERT WAS BUILT IN THE 1930'S AT STA. 92+51.00 AS A 3'x2' CAST-IN-PLACE BOX CULVERT ON A 0 DEGREE SKEW WITH CONCRETE HEAD WALLS. THE EXISTING HEADWALLS, WINGWALLS, AND 3' OF BARREL ARE TO BE REMOVED AND REPLACED WITH PRECAST BOX CULVERT END SECTIONS. STAGE CONSTRUCTION WILL BE UTILIZED.



General Notes

All construction joints shall be bonded according to Article 503.09 of the Standard Specifications.
 Reinforcement bars shall conform to the requirements of ASTM A706 Gr. (IL Modified). See Special Provisions.
 End Sections will be paid for at the contract unit price per each for BOX CULVERT END SECTIONS, CULVERT NO.1, as outlined in Section 540 of the Standard Specifications.
 The design fill height for this box is less than 2 feet. The Precast Concrete Box Culvert Sections shall conform to the requirements of AASHTO M 273.
 Any joints between precast box sections shall be sealed, all voids filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing band. The seal shall be centered over the joint, secured in place and protected during the backfilling process.

All dimensions are in FEET (') - INCHES (") unless otherwise noted.
 Drawings not to scale.

TOTAL BILL OF MATERIAL

Item	Unit	Total
Porous Granular Embankment	CuYd	9.1
Box Culvert End Sections, Culvert No. 1	Each	2
Concrete Collar	CuYd	0.52
Remove Box Culvert End Sections	Each	2

INDEX OF SHEETS

- 1. General Plan and Elevation

DESIGN SPECIFICATIONS

2002 AASHTO

LOADING HS20-44

Allow 50#/sq.ft. for future wearing surface

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
 fy = 60,000 psi (reinforcement)
 fy = 65,000 psi (welded wire fabric)

PRECAST UNITS

f'c = 5,000 psi
 fy = 65,000 psi (welded wire fabric)

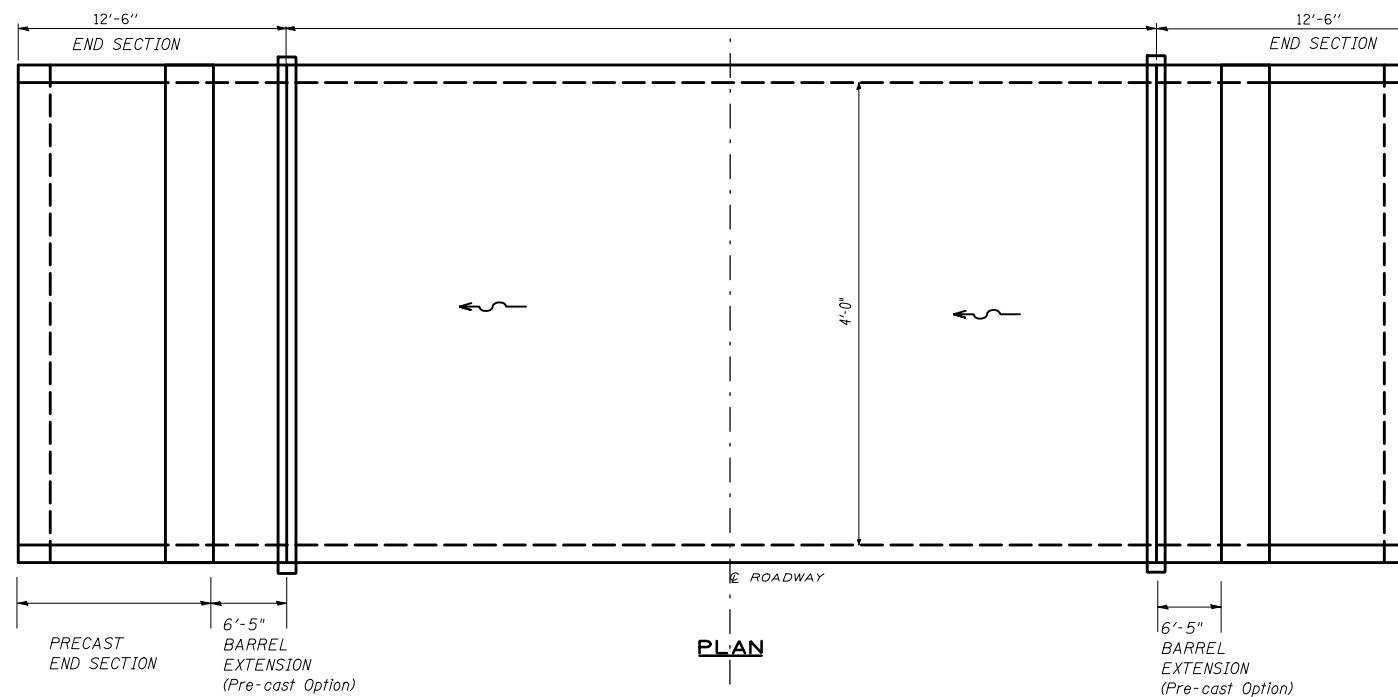
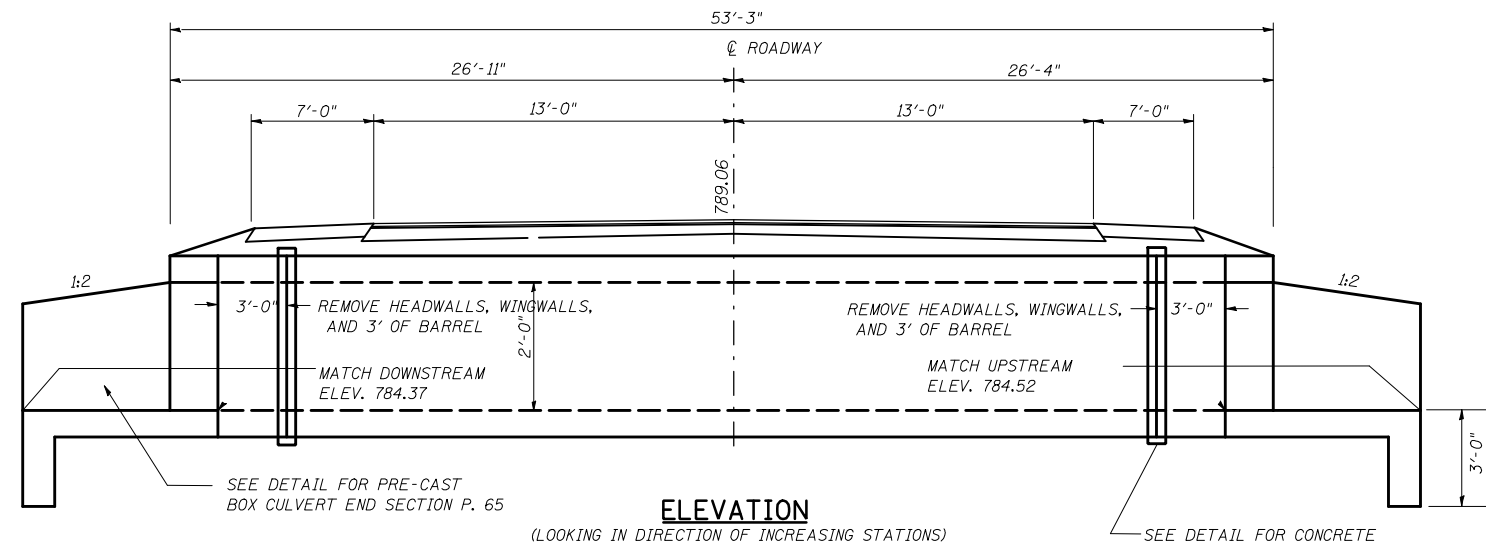
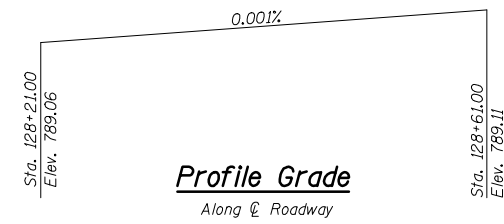
At the Contractors option, precast box culvert may be substituted for the length of cast-in-place barrel connection at the contractors expense. The Precast end section and pre-cast barrel extension are paid for as BOX CULVERT END SECTION, CULVERT NO. 1 (EACH).

See detail on page 48 for the Concrete Collar. A concrete collar shall be used whether the connecting barrel is cast-in-place or precast. Concrete Collars are paid for as CONCRETE COLLAR (CU YD).

**GENERAL PLAN AND ELEVATION
 3'x2' PRECAST BOX CULVERT END SECTIONS
 F.A.P. ROUTE 315 - SECTION (101, 102X)R,RS-2
 MCLEAN COUNTY, STATION 92+51
 CULVERT NO. 4**

FILE NAME =	USER NAME = bucklesJJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION END SECTION REMOVAL AND REPLACEMENT, CULVERT #4				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\pwwork\pwwork\bucklesJJ\d0170848\0570507-shr-details.dgn		DRAWN -	REVISED -		315	*	MCLEAN	115	54				
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -		*101,102X,RS-2 & 55RS-PRK LN		CONTRACT NO. 70507						
PLOT DATE = 12/9/2009		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

EXISTING STRUCTURE: THE EXISTING BOX CULVERT WAS BUILT IN THE 1930'S AT STA.128+41.00 AS A 4'x2' CAST-IN-PLACE BOX CULVERT ON A 0 DEGREE SKEW WITH CONCRETE HEAD WALLS. THE EXISTING HEADWALLS, WINGWALLS, AND 3' OF BARREL ARE TO BE REMOVED AND REPLACED WITH PRECAST BOX CULVERT END SECTIONS. STAGE CONSTRUCTION WILL BE UTILIZED.



INDEX OF SHEETS

- 1. General Plan and Elevation

DESIGN SPECIFICATIONS

2002 AASHTO

LOADING HS20-44

Allow 50#/sq.ft. for future wearing surface

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
 fy = 60,000 psi (reinforcement)
 fy = 65,000 psi (welded wire fabric)

PRECAST UNITS

f'c = 5,000 psi
 fy = 65,000 psi (welded wire fabric)

The Precast end section and pre-cast barrel extensions are paid for as BOX CULVERT END SECTION, CULVERT NO. 2 (EACH).

See detail on page 48 for the Concrete Collar. A concrete collar shall be used whether the connecting barrel is cast-in-place or precast. Concrete Collars are paid for as CONCRETE COLLAR (CU YD).

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

General Notes

Build tops of headwalls parallel to the grade lines.

All construction joints shall be bonded according to Article 503.09 of the Standard Specifications.

Reinforcement bars shall conform to the requirements of ASTM A706 Gr. (IL Modified). See Special Provisions.

End Sections will be paid for at the contract unit price per each for BOX CULVERT END SECTIONS, CULVERT NO.2, as outlined in Section 540 of the Standard Specifications.

The design fill height for this box is less than 2 feet. The Precast Concrete Box Culvert Sections shall conform to the requirements of AASHTO M 273.

Any joints between precast box sections shall be sealed, all voids filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing band. The seal shall be centered over the joint, secured in place and protected during the backfilling process.

All dimensions are in FEET (') - INCHES (") unless otherwise noted. Drawings not to scale.

TOTAL BILL OF MATERIAL

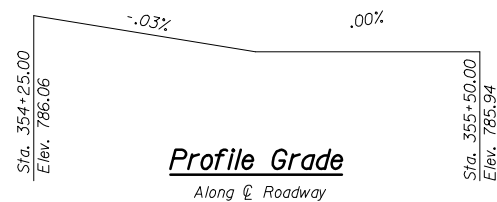
Item	Unit	Total
Porous Granular Embankment	CuYd	9.7
Box Culvert End Sections, Culvert No. 2	Each	2
Concrete Collar	CuYd	0.62
Remove Box Culvert End Sections	Each	2

**GENERAL PLAN AND ELEVATION
 4'x2' PRECAST BOX CULVERT END SECTIONS
 F.A.P. ROUTE 315 - SECTION (101, 102X)R,RS-2
 MCLEAN COUNTY, STATION 128+41
 CULVERT NO. 5**

FILE NAME =	USER NAME = bucklesJJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION END SECTION REMOVAL AND REPLACEMENT CULVERT #5	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\pwwork\backlesJJ\d0170848\0570507-shd-details.dgn	DRAWN -	REVISED -	315			*	MCLEAN	115	55	
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	*101,102X,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507				
PLOT DATE = 12/9/2009	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

EXISTING STRUCTURE: THE EXISTING BOX CULVERT WAS BUILT IN THE 1930'S AT STA. 354+66 AS A 3'x2' CAST-IN-PLACE BOX CULVERT WITH CONCRETE HEAD WALLS. THE EXISTING STRUCTURE IS TO BE COMPLETELY REMOVED AND REPLACED. STAGE CONSTRUCTION WILL BE UTILIZED.

(NO BENCHMARK INFO AVAILABLE AT THIS TIME)



STATION 354+72.83
BUILT 2010 BY
STATE OF ILLINOIS
F.A.P. RT. 315 SEC. (101, 102X)R,RS-2
LOADING HS 20
STRUCTURE NO. 057-2044

NAME PLATE
See Std. 515001

INDEX OF SHEETS

1. General Plan and Elevation
2. Box Culvert End Section Details

DESIGN SPECIFICATIONS

2002 AASHTO

LOADING HS20-44

Allow 50#/sq.ft. for future wearing surface

DESIGN STRESSES

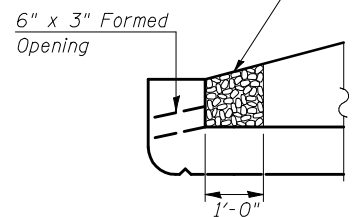
FIELD UNITS

- f'c = 3,500 psi
- fy = 60,000 psi (reinforcement)
- fy = 65,000 psi (welded wire fabric)

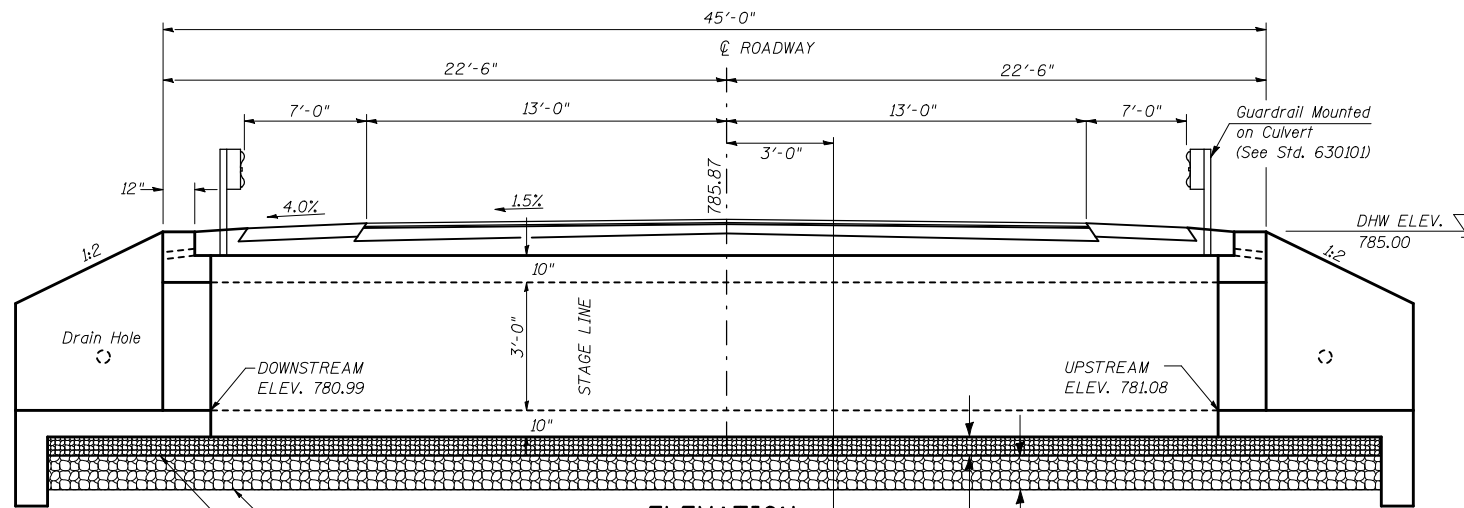
PRECAST UNITS

- f'c = 5,000 psi
- fy = 65,000 psi (welded wire fabric)

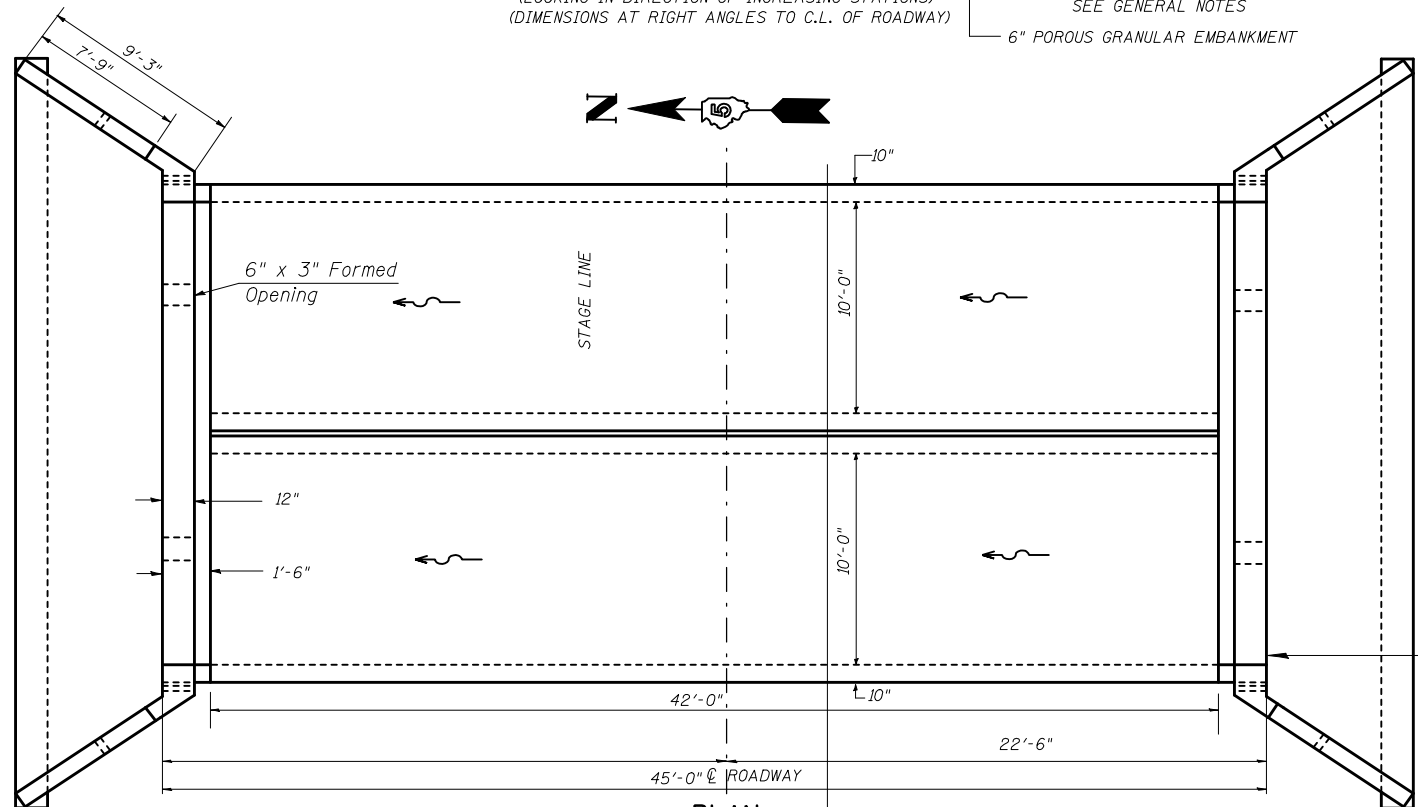
Coarse aggregate full length of both headwalls. To be placed by Grading Contractor. Cost included with BOX CULVERT END SECTION.



DRAIN DETAIL



ELEVATION
(LOOKING IN DIRECTION OF INCREASING STATIONS)
(DIMENSIONS AT RIGHT ANGLES TO C.L. OF ROADWAY)



PLAN

DESIGN SCOUR ELEVATION TABLE

DESIGN SCOUR ELEVATION	UPSTREAM	DOWNSTREAM
	778.08	777.99

Existing Low Grade Elev. = 785.9 ft. @ Sta. 354+72		Drainage Area = 1.6mi ²		Proposed Low Grade Elev. = 785.9 ft. @ Sta. 354+72					
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Natural H.W.E.	Head - Ft.		Headwater Elevation	
			Existing	Proposed		Existing	Proposed	Existing	Proposed
	10	254	6	58				Over	784.0
Design	50	407	6	60				Over	785.0
Base	100	474	6	60				Over	785.4
Overtopping									
Max. Calc.	500	635	6	60				Over	Over

10 YEAR VELOCITY THROUGH EXISTING BRIDGE = Unknown

10 YEAR VELOCITY THROUGH PROPOSED BRIDGE = 5.38 fps

ALL-TIME H.W.E. & DATE: June 4, 2008 - Water reported 6" deep at centerline - see Water on Pavement Data form

General Notes

Build tops of headwalls parallel to the grade lines.

All construction joints shall be bonded according to Article 503.09 of the Standard Specifications.

Reinforcement bars shall conform to the requirements of ASTM A706 Gr. (IL Modified). See Special Provisions.

When lapping sheets of welded wire fabric, the overlap measured between the outermost cross wires of each fabric sheet shall not be less than 8"

End Sections will be paid for at the contract unit price per each for BOX CULVERT END SECTIONS, as outlined in Section 540 of the Standard Specifications.

Class SI Concrete shall be used throughout.

Concrete, Rebar, and Welded Wire Fabric quantities and lengths calculated for the cast-in-place End Sections may vary based on the precast box culverts supplied.

Drain holes shall be provided in accordance with Article 503.11 of the Standard Specifications.

The design reinforcement areas shall conform to those found in Table 1 of the AASHTO M273 specification for a 10' x 5' box section

The ends of the precast box sections adjacent to the end section shall be formed without the male and female shapes specified in Article 8.1 of AASHTO M273. See Section D-D on sheet 2 of 2.

The design fill height for this box is less than 2 feet. The Precast Concrete Box Culvert Sections shall conform to the requirements of AASHTO M 273.

The joints between precast box sections shall be sealed, all voids filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing band. The seal shall be centered over the joint, secured in place and protected during the backfilling process.

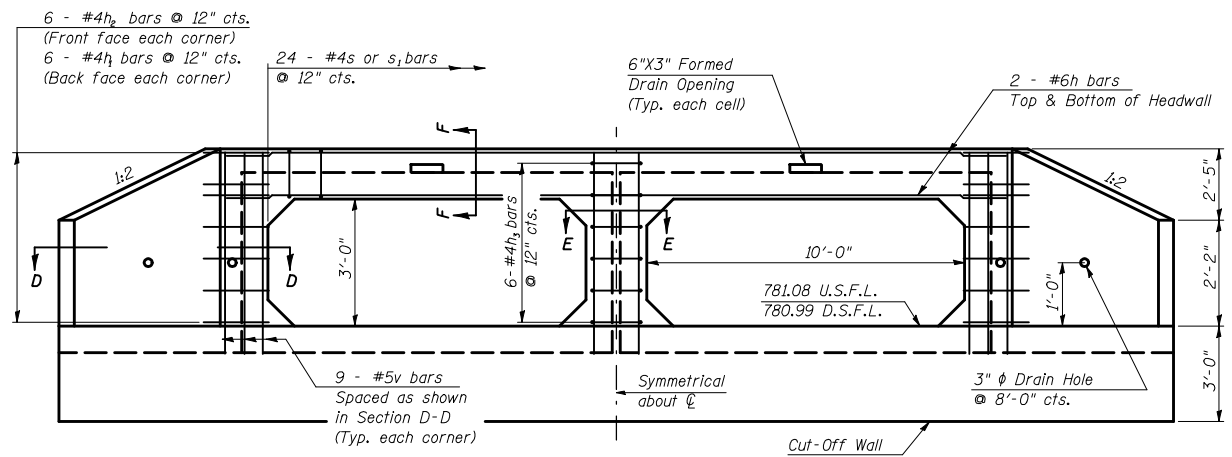
- ① Six inches of bedding beneath the box culvert are included in the cost of the Box Culvert.
- ② The additional 12 inches of undercut is paid for separately as STONE RIPRAP, CLASS A-1 (TON) (1.8 TONS/CU.YD.), which price shall include the removal and disposal of unsuitable material.

All dimensions are in FEET (') - INCHES (") unless otherwise noted. Drawings not to scale.

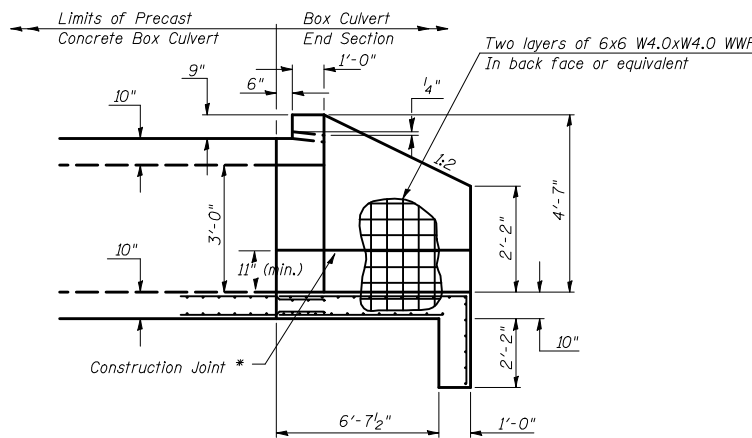
TOTAL BILL OF MATERIAL

Item	Unit	Total
Box Culvert Removal	Each	1
Precast Concrete Box Culverts 10'x3'	Foot	84
Box Culvert End Section, Culvert No. 3	Each	2
Name Plates	Each	1
Permanent Benchmark	Each	1
Stone Riprap Class A1	Tons	102.9
Porous Granular Embankment	CuYd	110.2
Structure Excavation	CuYd	197.9

GENERAL PLAN AND ELEVATION
DOUBLE 10'x3' PRECAST BOX CULVERT
F.A.P. ROUTE 315 - SECTION (101, 102X)R,RS-2
MCLEAN COUNTY, STATION 354+72.83
CULVERT NO. 8 SN 057-2044(P)

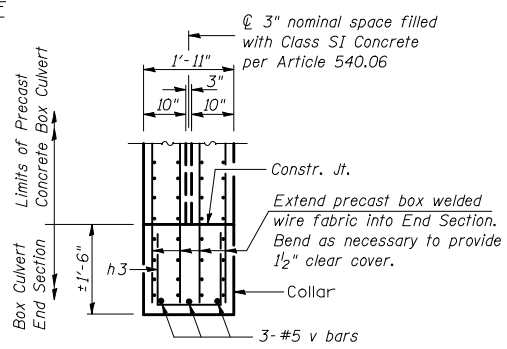


END ELEVATION



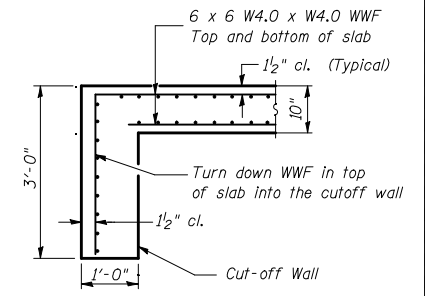
HALF SIDE ELEVATION

(DIMENSIONS AT RIGHT ANGLES TO CL OF ROADWAY)

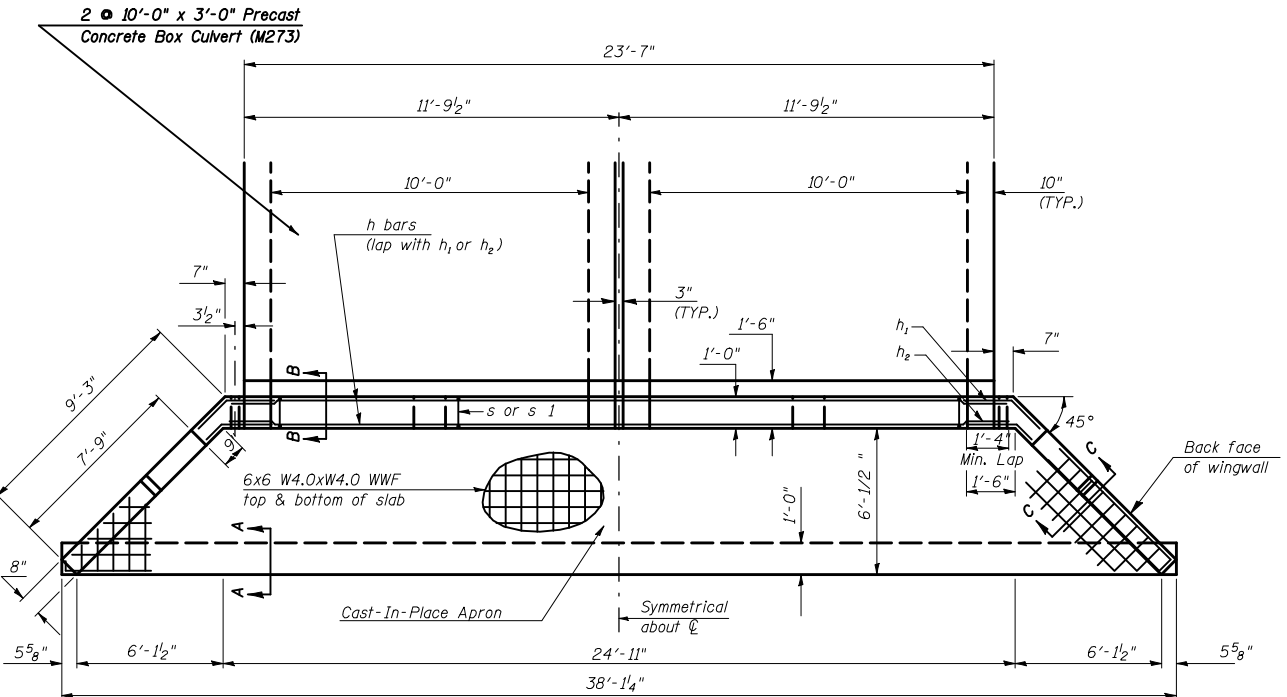


SECTION E-E

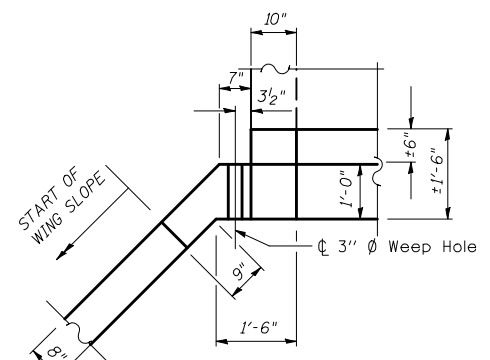
Tilt or adjust h₃ bar as necessary to fit



SECTION A-A

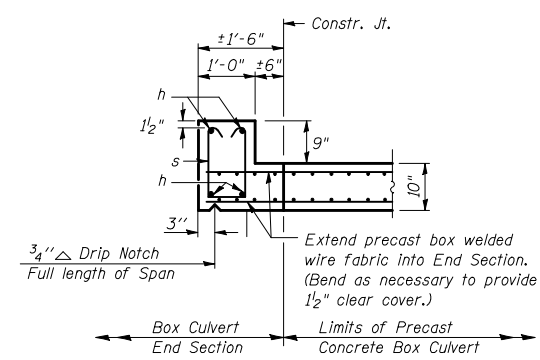


PLAN



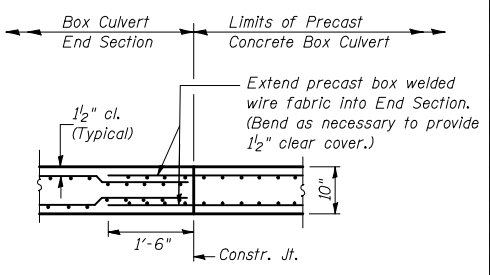
CORNER DETAIL

(Showing dimensions and weep hole)



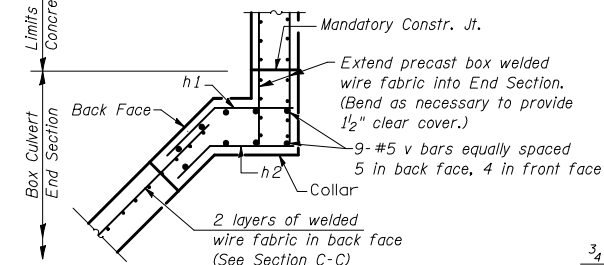
SECTION F-F

TOP SLAB / HEADWALL DOWNSTREAM END



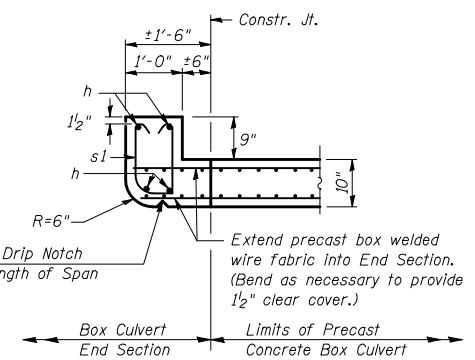
SECTION B-B

(BOTTOM SLAB)



SECTION D-D

(Showing reinforcement)



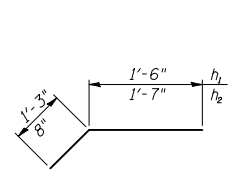
SECTION F-F

TOP SLAB / HEADWALL UPSTREAM END

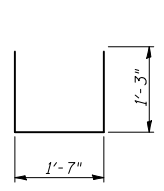
BILL OF MATERIAL

For Information Only (ONE END SECTION)

Bar	No.	Size	Length	Shape	
h	4	#6	24'-6"		
h ₁	12	#4	2'-9"		
h ₂	12	#4	2'-3"		
h ₃	6	#4	4'-1"		
s or s ₁	24	#4	4'-2"		
v	18	#5	5'-2"		
Item				Unit	Total
CONCRETE BOX CULVERTS				Cu. Yd.	25.2
Reinforcement Bars				Pound	370.0
Welded Wire Fabric				Sq. Ft.	623.0
Name Plate				Each	1

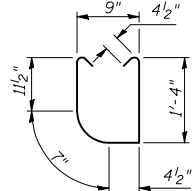


h1 & h2 BARS



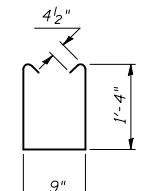
h3 BARS

DOWNSTREAM END



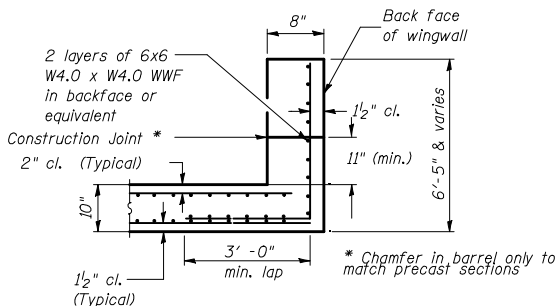
s1 BARS

UPSTREAM END



s BARS

DOWNSTREAM END



SECTION C-C

END SECTION DETAIL
DOUBLE 10'x3' PRECAST BOX CULVERT
F.A.P. ROUTE 709 - SECTION (101, 102X)R,R-2
MCLEAN COUNTY STATION 354+72.83
CULVERT NO. 8 SN 057-2044(P)

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -
ca:\pwwork\pwwork\dot\bucklesjj\d0170848\057-2044-sht-details.dgn		DRAWN -	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 12/9/2009		DATE -	REVISED -

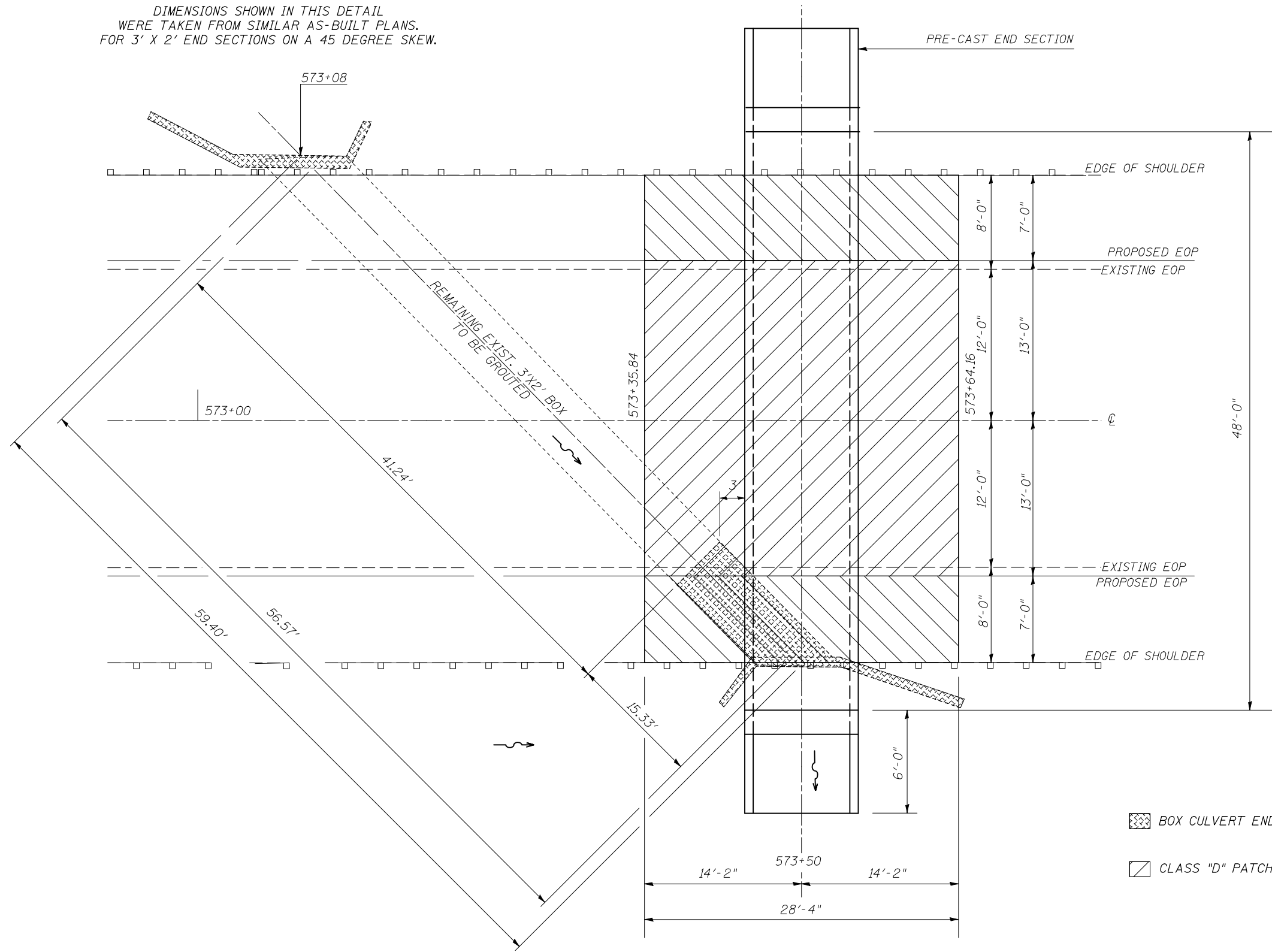
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

END SECTION DETAIL
BOX CULVERT #8; S.N. 057-2044

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	MCLEAN	115	57
*101,102X,RS-2 & 55RS-PRK LN		CONTRACT NO.	70507	
ILLINOIS FED. AID PROJECT				

DIMENSIONS SHOWN IN THIS DETAIL WERE TAKEN FROM SIMILAR AS-BUILT PLANS. FOR 3' X 2' END SECTIONS ON A 45 DEGREE SKEW.



ROADWAY DIMENSIONS SHOWN IN THIS DETAIL WERE TAKEN FROM AS-BUILT PLANS.

REMOVE CONCRETE END SECTION *	2	EACH
CULVERT TO BE GROUTED	16.0	CU YD
POROUS GRANULAR EMBANKMENT	115.4	CU YD
CLASS "D" PATCH, TYPE IV, 10"	50.4	SQ YDS
STONE RIPRAP, CLASS A1	53.2	TONS
STRUCTURE EXCAVATION	132.5	CU YD

*INFO ONLY: APPROX. 6.0 CU YD

- BOX CULVERT END SECTION REMOVAL
- CLASS "D" PATCH, TYPE IV, 10"

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -
ct:\pw\work\p\dot\bucklesjj\0170848\0570507-sht-details.dgn		DRAWN -	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 12/9/2009		DATE -	REVISED -

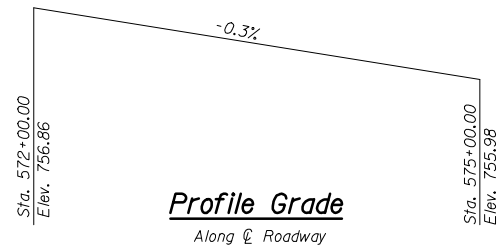
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL DETAIL (BOX CULVERT #11)
PROPOSED S.N. 057-8210

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	MCLEAN	115	58
*101,102X,RS-2 & 55RS-PRK LN		CONTRACT NO. 70507		
ILLINOIS FED. AID PROJECT				

EXISTING STRUCTURE: THE EXISTING BOX CULVERT, S.N. 057-8024 WAS BUILT IN THE 1930'S AT STA. 573+30 AS A 5'x2' CAST-IN-PLACE BOX CULVERT ON A 45 DEGREE SKEW WITH CONCRETE HEAD WALLS. THE EXISTING STRUCTURE IS TO HAVE THE END SECTIONS REMOVED AND THE REMAINING BOX WILL BE FILLED WITH GROUT. STAGE CONSTRUCTION WILL BE UTILIZED.



STATION 573+49.96
BUILT 2010 BY
STATE OF ILLINOIS
F.A.P. RT. 315 SEC. (101, 102X)R, R-2
LOADING HS 20
STRUCTURE NO. 057-8210

NAME PLATE
See Std. 515001

INDEX OF SHEETS

1. General Plan and Elevation
2. Box Culvert End Section Details
3. Removal Detail

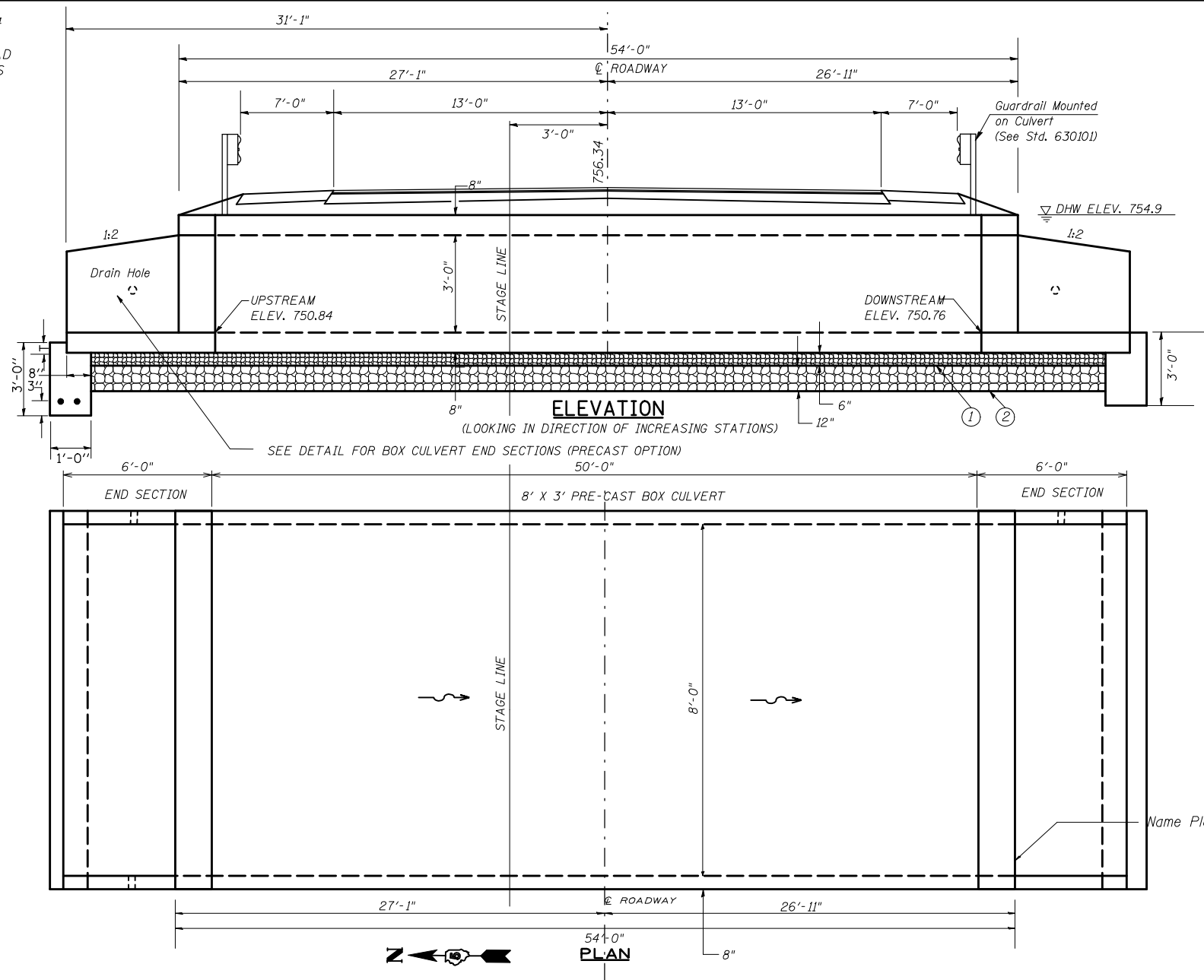
DESIGN SPECIFICATIONS
2002 AASHTO

LOADING HS20-44
Allow 50#/sq.ft. for future wearing surface

DESIGN STRESSES

FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (reinforcement)
fy = 65,000 psi (welded wire fabric)

PRECAST UNITS
f'c = 5,000 psi
fy = 65,000 psi (welded wire fabric)



General Notes

End Sections will be paid for at the contract unit price per each for BOX CULVERT END SECTIONS, as outlined in Section 540 of the Standard Specifications.

The design fill height for this box is less than 2 feet. The Precast Concrete Box Culvert Sections shall conform to the requirements of AASHTO M 273. The design reinforcement areas shall conform to those found in Table 1 of the AASHTO M273 specification for an 8' x 4' box section.

The joints between precast box sections shall be sealed, all voids filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing band. The seal shall be centered over the joint, secured in place and protected during the backfilling process.

- 1 Six inches of bedding beneath the box culvert are included in the cost of the Box Culvert.
- 2 The additional 12 inches of undercut is paid for separately as STONE RIPRAP, CLASS A-1 (TON) (1.8 TONS/CU.YD.), which price shall include the removal and disposal of unsuitable material.

All dimensions are in FEET (') - INCHES (") unless otherwise noted. Drawings not to scale.

Drain holes shall be provided in accordance with Article 503.11 of the Standard

TOTAL BILL OF MATERIAL

Item	Unit	Total
Precast Concrete Box Culverts 8'x3'	Foot	48
Box Culvert End Sections, Culvert No. 6	Each	2
Name Plates	Each	1
Culverts to be Grouted	CuYd	14.5
Permanent Benchmark	Each	1
Stone Riprap, Class A-1	Ton	53.2
Remove Box Culvert End Section	Each	2
Porous Granular Embankment	CuYd	115.0
Structure Excavation	CuYd	103.7

Existing Low Grade Elev. = 756.3 ft. @ Sta. 573+50		Proposed Low Grade Elev. = 756.4 ft. @ Sta. 573+50							
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Natural H.W.E.	Head - Ft.		Headwater Elevation	
			Existing	Proposed		Existing	Proposed	Existing	Proposed
	10	68	10	20				754.6	754.1
Design	50	116	10	24				OVER	754.9
Base	100	138	10	24				OVER	755.2
Overtopping									
Max. Calc.	500	194	10	24				OVER	756.3

10 YEAR VELOCITY THROUGH EXISTING BRIDGE = 7.16 ft/s 10 YEAR VELOCITY THROUGH PROPOSED BRIDGE = 3.94 ft/s
ALL-TIME H.W.E. & DATE: UNKNOWN

DESIGN SCOUR ELEVATION TABLE

DESIGN SCOUR ELEVATION	UPSTREAM	DOWNSTREAM
	748.64	748.60

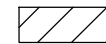
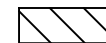

GENERAL PLAN AND ELEVATION
8'x3' PRECAST BOX CULVERT
F.A.P. ROUTE 315 - SECTION (101, 102X)R,RS-2
MCLEAN COUNTY, STATION 573+30
CULVERT NO. 11 - SN 057-8210(P)

**DETAIL OF POROUS GRANULAR EMBANKMENT
S.N. 057-2044 AT STA. 354 + 72.82**

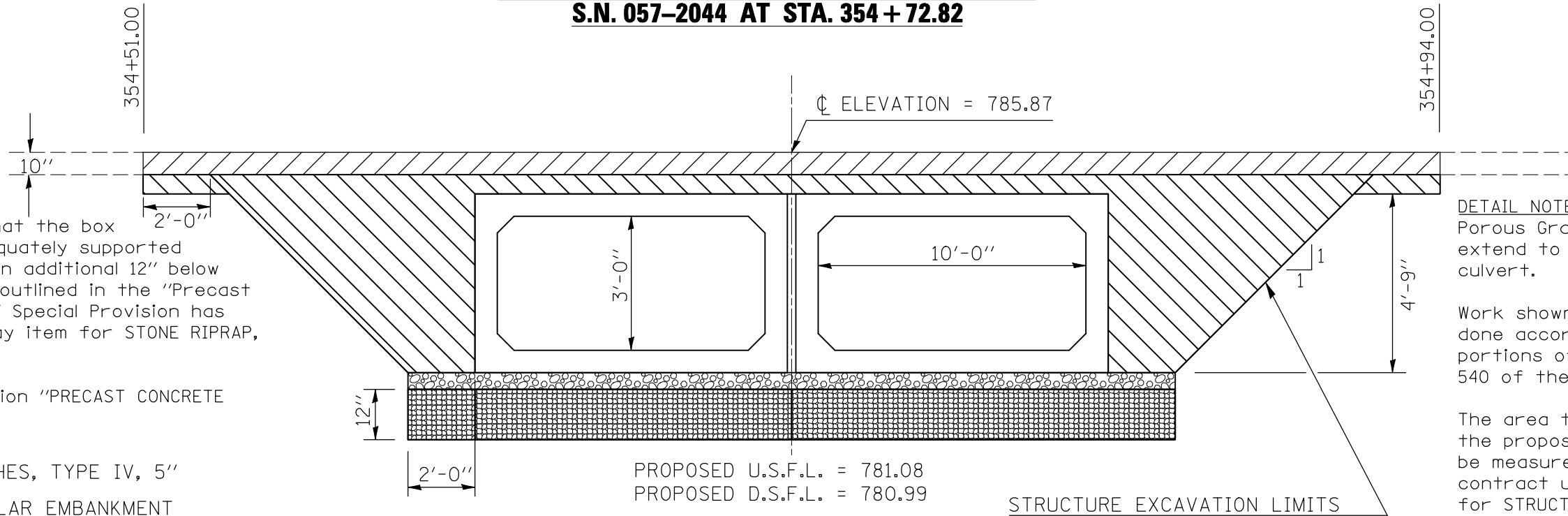
NOTE:

Soil borings indicate that the box culvert will not be adequately supported by the existing soil. An additional 12" below the typical 6" that is outlined in the "Precast Concrete Box Culverts" Special Provision has been included in the pay item for STONE RIPRAP, CLASS A-1

See the Special Provision "PRECAST CONCRETE BOX CULVERTS"

-  CLASS D PATCHES, TYPE IV, 5"
-  POROUS GRANULAR EMBANKMENT
-  BOX CULVERT BEDDING (CA-7 OR CA-11) (INCLUDED IN PAY ITEM FOR PRECAST CONCRETE BOX CULVERT)

 STONE RIPRAP, CLASS A1



DETAIL NOTE:

Porous Granular Embankment shall extend to the end of the box culvert.

Work shown in detail shall be done according to the applicable portions of article 209 and article 540 of the Standard Specifications.

The area to be excavated for the proposed box culvert shall be measured and paid for at the contract unit price per cubic yard for STRUCTURE EXCAVATION.

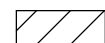
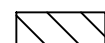
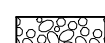
This work shall be paid for at the contract unit price per cubic yard for POROUS GRANULAR EMBANKMENT

**DETAIL OF POROUS GRANULAR EMBANKMENT
S.N. 057-8210 AT STA. 573 + 49.96**

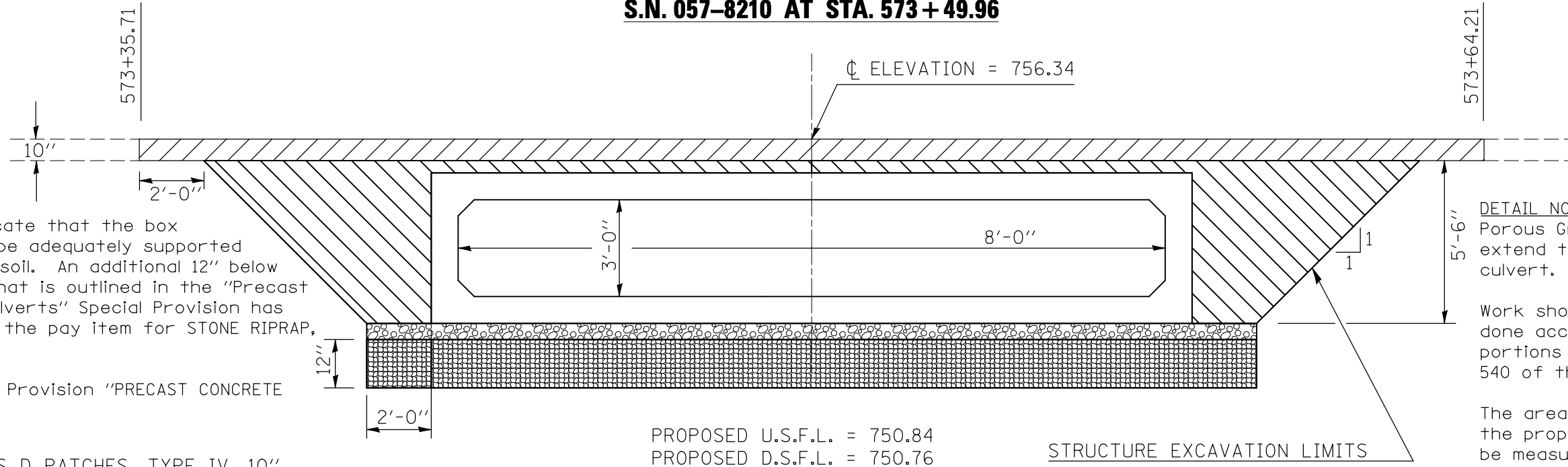
NOTE:

Soil borings indicate that the box culvert will not be adequately supported by the existing soil. An additional 12" below the typical 6" that is outlined in the "Precast Concrete Box Culverts" Special Provision has been included in the pay item for STONE RIPRAP, CLASS A-1

See the Special Provision "PRECAST CONCRETE BOX CULVERTS"

-  CLASS D PATCHES, TYPE IV, 10"
-  POROUS GRANULAR EMBANKMENT
-  BOX CULVERT BEDDING (CA-7 OR CA-11) (INCLUDED IN PAY ITEM FOR PRECAST CONCRETE BOX CULVERT)

 STONE RIPRAP, CLASS A1



DETAIL NOTE:

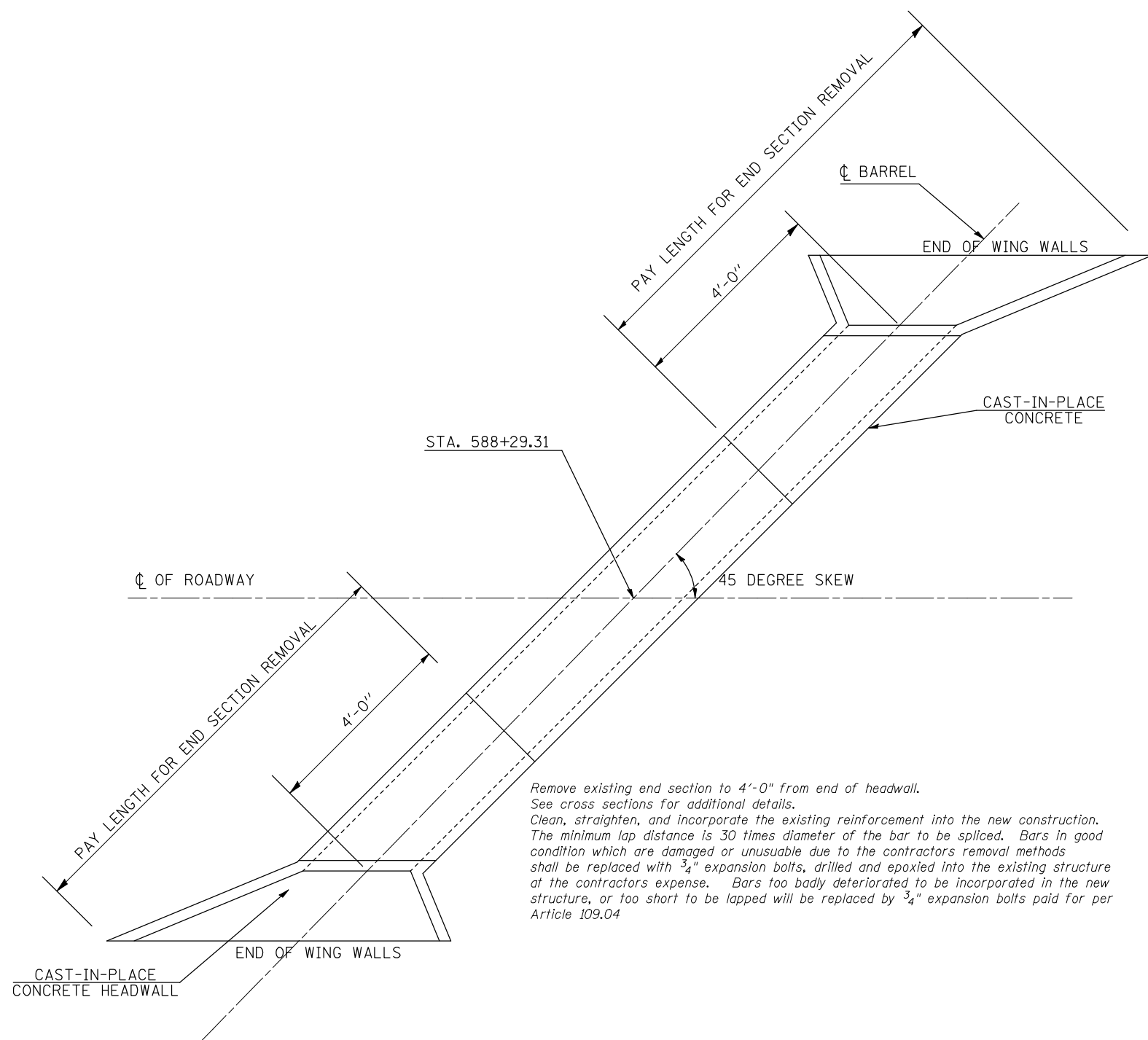
Porous Granular Embankment shall extend to the end of the box culvert.

Work shown in detail shall be done according to the applicable portions of article 209 and article 540 of the Standard Specifications.

The area to be excavated for the proposed box culvert shall be measured and paid for at the contract unit price per cubic yard for STRUCTURE EXCAVATION.

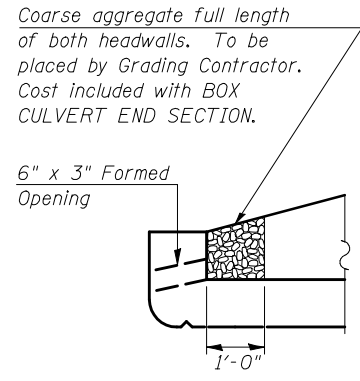
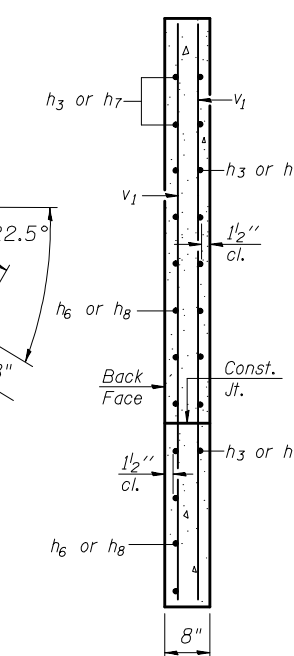
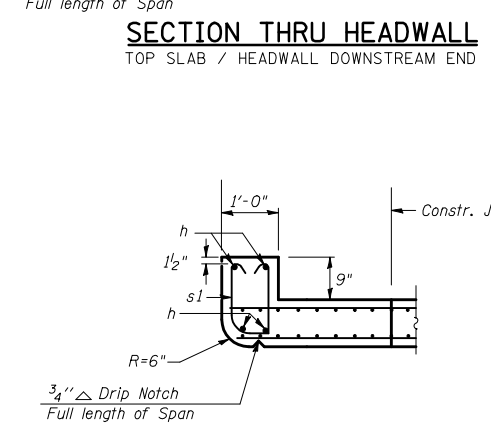
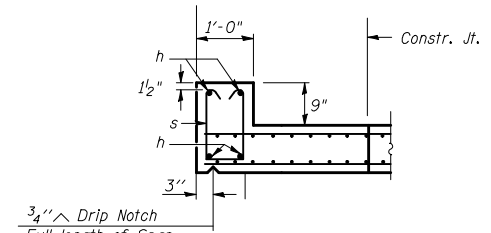
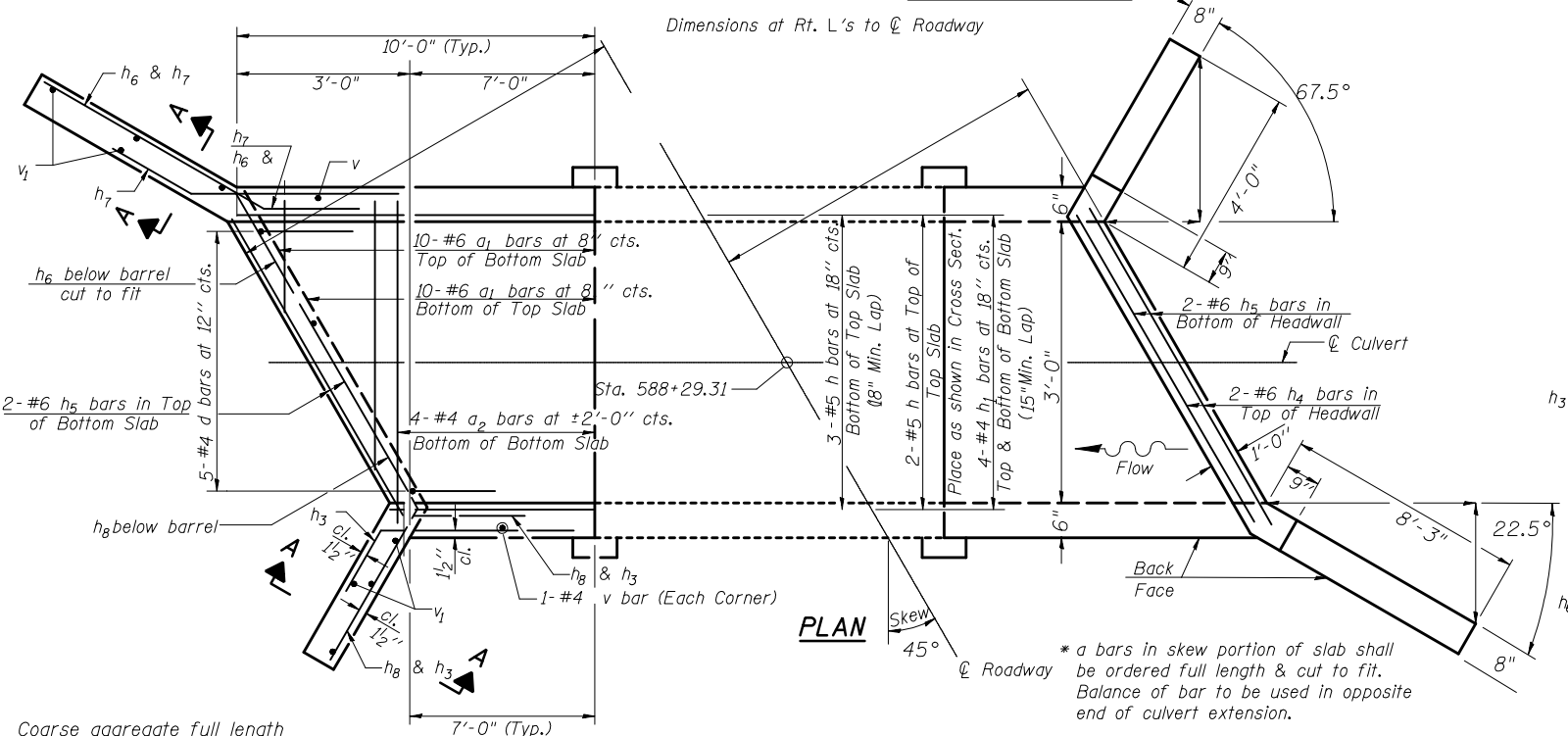
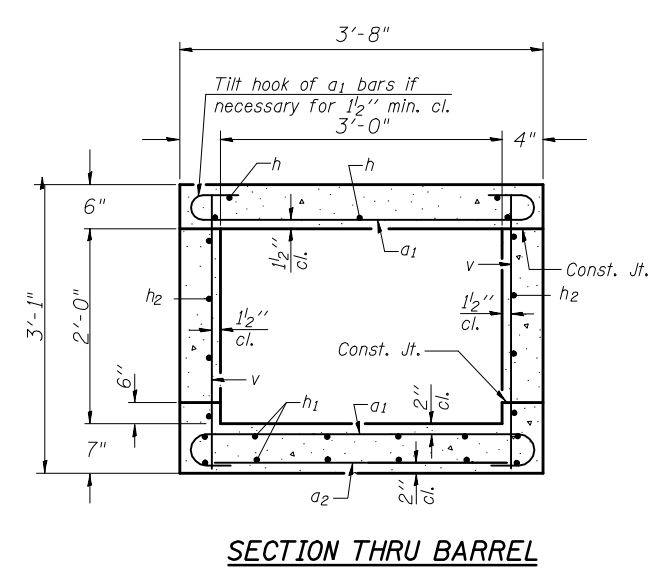
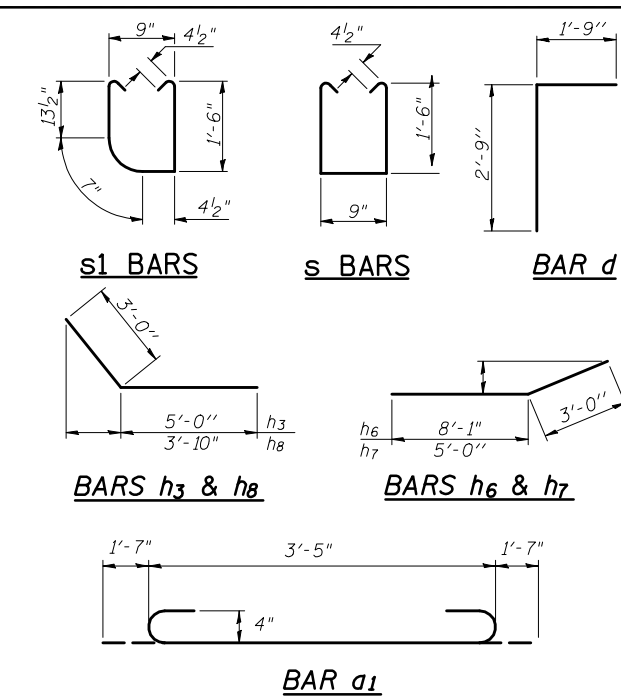
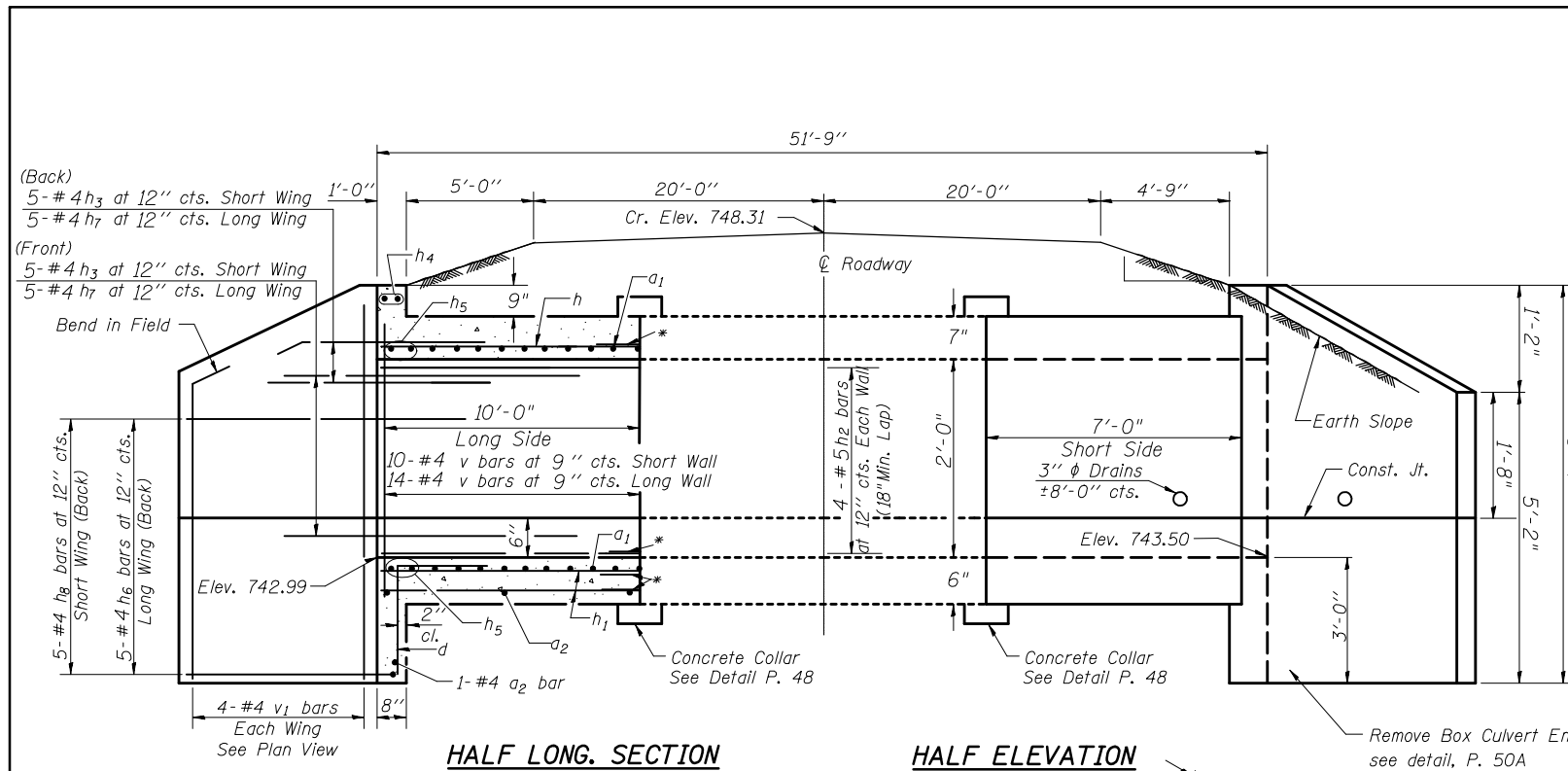
This work shall be paid for at the contract unit price per cubic yard for POROUS GRANULAR EMBANKMENT

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF POROUS GRANULAR EMBANKMENT AT CULVERT # 8 & CULVERT # 11	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\pmdot\bucklesjj\d0170848\0570507-sht-details.dgn	DRAWN -	REVISED -	315			*	McLean	115	60	
PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -	*101,102X,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507				
PLOT DATE = 12/9/2009	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE:						SHEET NO.	OF SHEETS	STA.	TO STA.	



END SECTION REMOVAL DETAIL
3'X2' PRECAST BOX CULVERT
F.A.P. ROUTE 709 - SECTION (101, 102X)R,R-2
MCLEAN COUNTY STATION 588+29.00
CULVERT NO. 13

FILE NAME =	USER NAME = bucklesJJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BOX CULVERT END SECTION REMOVAL DETAILS STA. 588 + 29 - CULVERT #13	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\bucklesJJ\d0170848\0570507-shr-details.dgn	DRAWN -	REVISD -	709			*	MCLEAN	115	61	
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISD -	*101,102X,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507		ILLINOIS FED. AID PROJECT		
PLOT DATE = 12/9/2009	DATE -	REVISD -	SCALE:			SHEET NO.	OF SHEETS	STA.	TO STA.	



NOTES

- * Clean, straighten and incorporate existing re-bars into new headwall. See detail, P. 61
- ** A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
- *** Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

BILL OF MATERIAL
(One end section)

Bar	No.	Size	Length	Shape
a	20	#6	6'-7"	U
a2	4	#4	6'-0"	U
d	5	#4	4'-6"	L
h	5	#5	5'-9"	—
h1	8	#4	5'-9"	—
h2	8	#4	5'-9"	—
h3	10	#4	8'-0"	—
h4	2	#6	5'-1"	—
h5	2	#6	5'-1"	—
h6	5	#4	7'-0"	—
h7	10	#4	8'-0"	—
h8	5	#4	7'-0"	—
v	24	#4	2'-5"	—
v1	8	#4	6'-1"	—
s	4	#4	2'-5"	U
q	4	#4	2'-2"	U
Box Culvert End Section, Culvert No. 4				Cu. Yd.* 7.2
Reinforcement Bars				Pound 480.0
Concrete Collar				Cu. Yd.* 0.26
Remove Concrete Box Culvert End Section				EACH 1

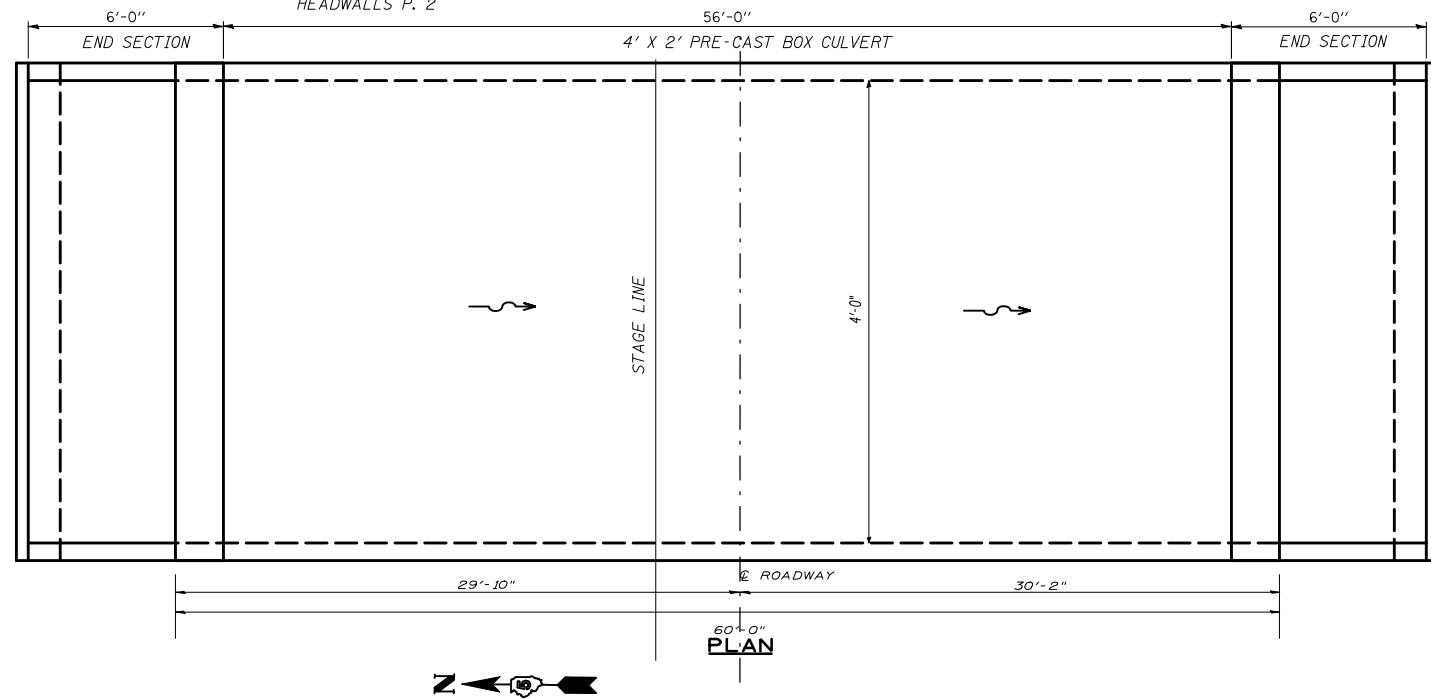
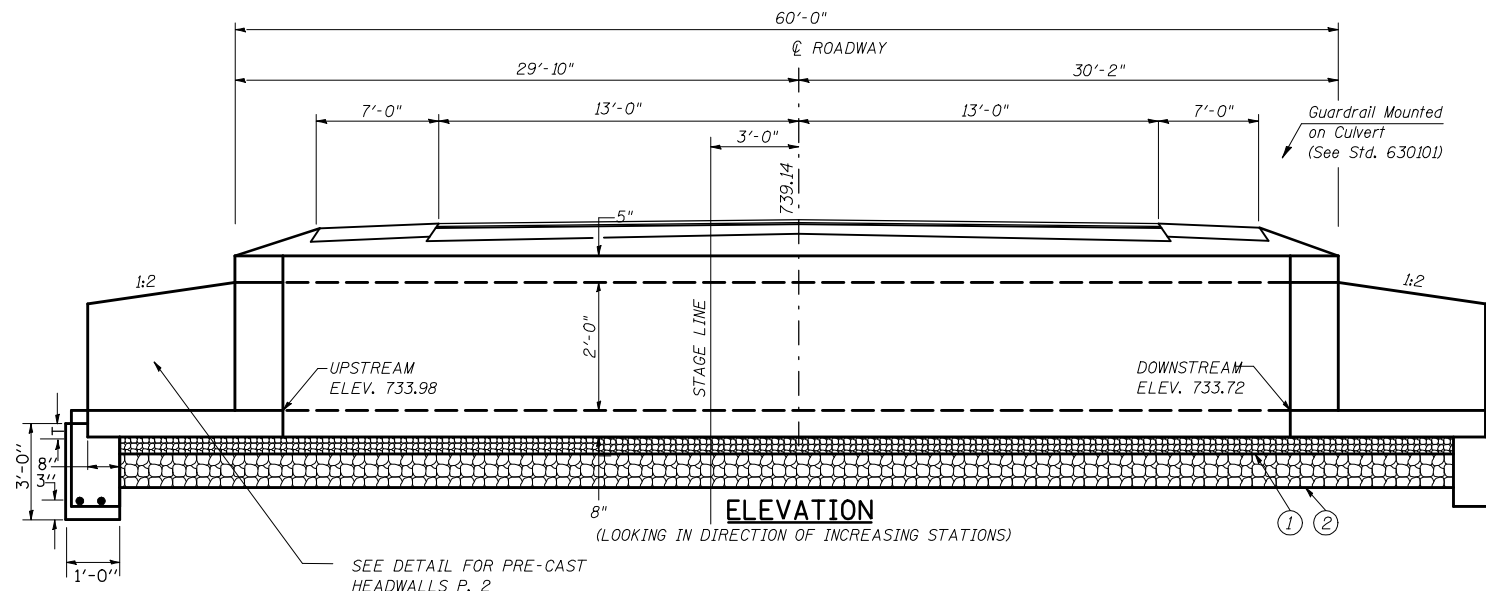
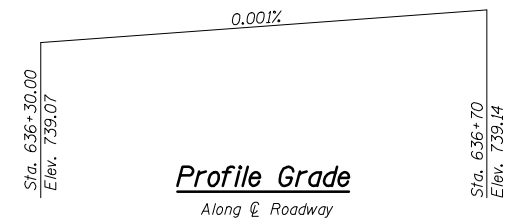
* All Class SI concrete and reinforcement bars required are included in the Pay Item "Box Culvert End Section, No. #4" (EACH). All Concrete Collars are paid for as "Concrete Collar" (Cu. Yd.).

DESIGN STRESSES
fy = 60,000 psi
f'c = 3,500 psi

LOADING HS 20-44 & ALT.

END SECTION DETAIL
3'X2' PRECAST BOX CULVERT
F.A.P. ROUTE 709 - SECTION (101, 102X)R,R-2
MCLEAN COUNTY STATION 588+29.00
CULVERT NO. 13

EXISTING STRUCTURE: THE EXISTING BOX CULVERT WAS BUILT IN THE 1930'S AT STA. 636+50 AS A 4'x2' CAST-IN-PLACE BOX CULVERT ON A 0 DEGREE SKEW WITH CONCRETE HEAD WALLS. THE EXISTING STRUCTURE IS TO BE REMOVED AND REPLACED WITH PRECAST 4'x2' BOX CULVERT WITH PRECAST END SECTIONS. STAGE CONSTRUCTION WILL BE UTILIZED.



General Notes

Build tops of headwalls parallel to the grade lines.

All construction joints shall be bonded according to Article 503.09 of the Standard Specifications.

Reinforcement bars shall conform to the requirements of ASTM A706 Gr. (IL Modified). See Special Provisions.

End Sections will be paid for at the contract unit price per each for BOX CULVERT END SECTIONS, as outlined in Section 540 of the Standard Specifications.

The design fill height for this box greater than 2 feet, but less than 3 feet. The Precast Concrete Box Culvert Sections shall conform to the requirements of AASHTO M 259.

The joints between precast box sections shall be sealed, all voids filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing band. The seal shall be centered over the joint, secured in place and protected during the backfilling process.

- ① Six inches of bedding beneath the box culvert are included in the cost of the Box Culvert.
- ② The additional 12 inches of undercut is paid for separately as STONE RIPRAP, CLASS A-1 (TON) (1.8 TONS/CU.YD.), which price shall include the removal and disposal of unsuitable material.

All dimensions are in FEET (') - INCHES (") unless otherwise noted.
Drawings not to scale.

TOTAL BILL OF MATERIAL

Item	Unit	Total
Precast Concrete Box Culverts 4'x2'	Foot	48
Box Culvert End Sections, Culvert No. 5	Each	2
Stone Riprap, Class A-1	Ton	42.2
Porous Granular Embankment	CuYd	103.1
Box Culvert Removal	Each	1

INDEX OF SHEETS

- 1. General Plan and Elevation

DESIGN SPECIFICATIONS

2002 AASHTO

LOADING HS20-44

Allow 50#/sq.ft. for future wearing surface

DESIGN STRESSES

FIELD UNITS

- $f'_c = 3,500$ psi
- $f_y = 60,000$ psi (reinforcement)
- $f_y = 65,000$ psi (welded wire fabric)

PRECAST UNITS

- $f'_c = 5,000$ psi
- $f_y = 65,000$ psi (welded wire fabric)

*(101,102X)R,RS-2 & 55RS-PRK LN

GENERAL PLAN AND ELEVATION
4'x2' PRECAST BOX CULVERT
F.A.P. ROUTE 315 - SECTION (101, 102X)R,RS-2
MCLEAN COUNTY, STATION 636+50
CULVERT NO. 14




FILE NAME =	USER NAME = bucklesJJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION CULVERT #14	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 12/9/2009	DATE -	CHECKED -	REVISED -			*(101,102X,RS-2 & 55RS-PRK LN		CONTRACT NO. 70507		
		DATE -	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

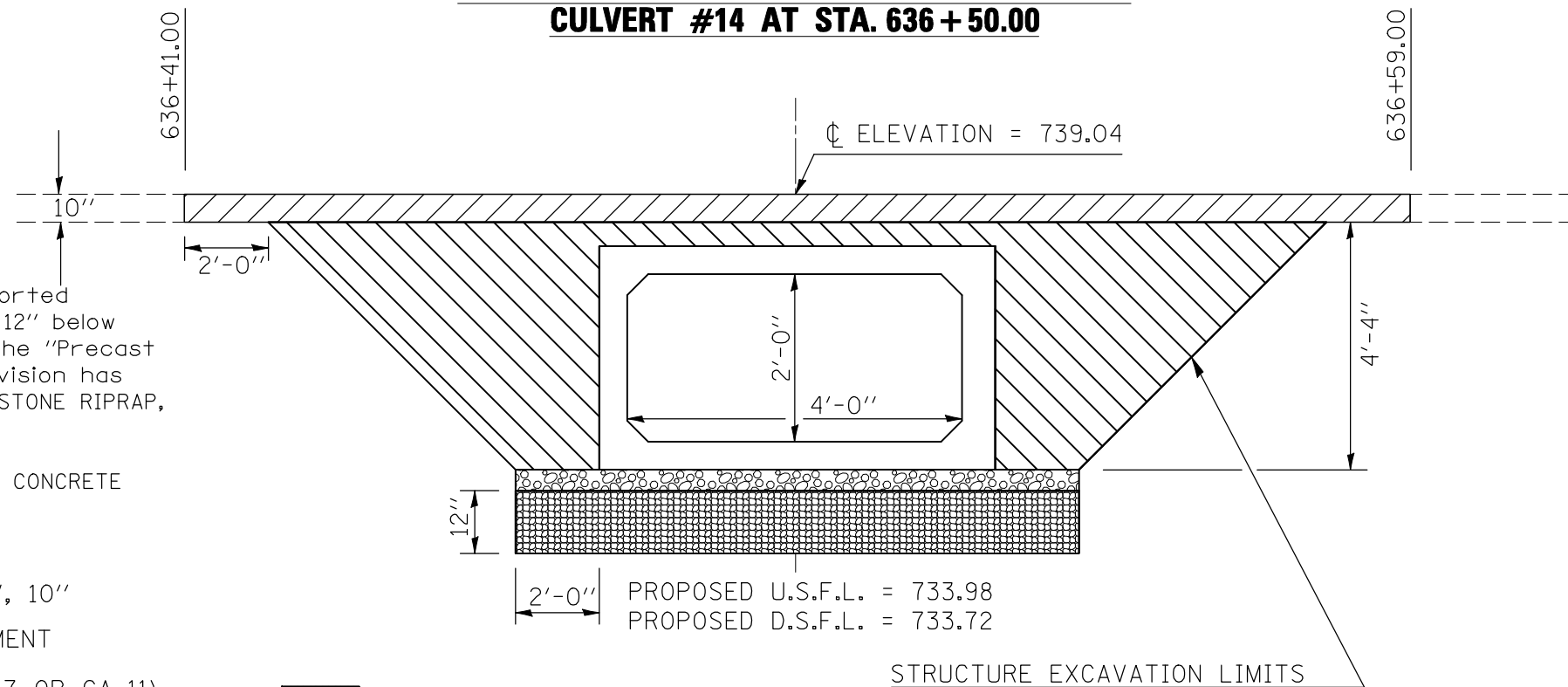
**DETAIL OF POROUS GRANULAR EMBANKMENT
CULVERT #14 AT STA. 636 + 50.00**

NOTE:

Soil borings indicate that the box culvert will not be adequately supported by the existing soil. An additional 12" below the typical 6" that is outlined in the "Precast Concrete Box Culverts" Special Provision has been included in the pay item for STONE RIPRAP, CLASS A-1

See the Special Provision "PRECAST CONCRETE BOX CULVERTS"

-  CLASS D PATCHES, TYPE IV, 10"
-  POROUS GRANULAR EMBANKMENT
-  BOX CULVERT BEDDING (CA-7 OR CA-11) (INCLUDED IN PAY ITEM FOR PRECAST CONCRETE BOX CULVERT)



DETAIL NOTE:

Porous Granular Embankment shall extend to the end of the box culvert.

Work shown in detail shall be done according to the applicable portions of article 209 and article 540 of the Standard Specifications.

The area to be excavated for the proposed box culvert shall be measured and paid for at the contract unit price per cubic yard for STRUCTURE EXCAVATION.

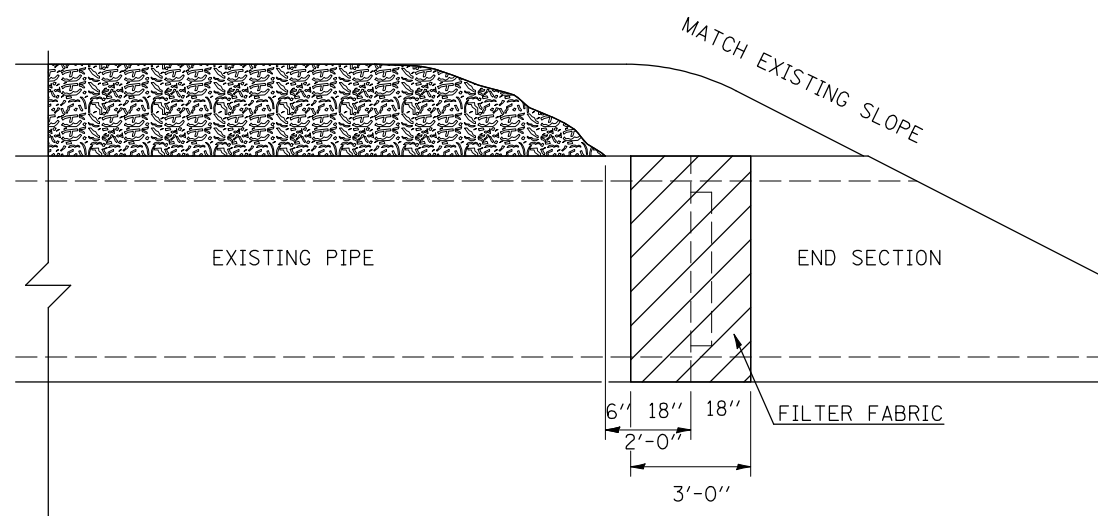
This work shall be paid for at the contract unit price per cubic yard for POROUS GRANULAR EMBANKMENT

DETAIL OF END SECTION JOINT SEALING

DETAIL FOR SEALING END SECTION

1. EXCAVATE END SECTION AND 24" OF EXISTING PIPE
2. CLEAN BELL OF END SECTION AND SPIGOT OF EXISTING PIPE
3. LEVEL END SECTION AND RE-APPLY MASTIC
4. SEAT END SECTION AND SEAL
5. WRAP OUTSIDE OF PIPE WITH LIGHT COAT OF MASTIC AND FILTER FABRIC
6. COVER END SECTION AND MATCH EXISTING SLOPE

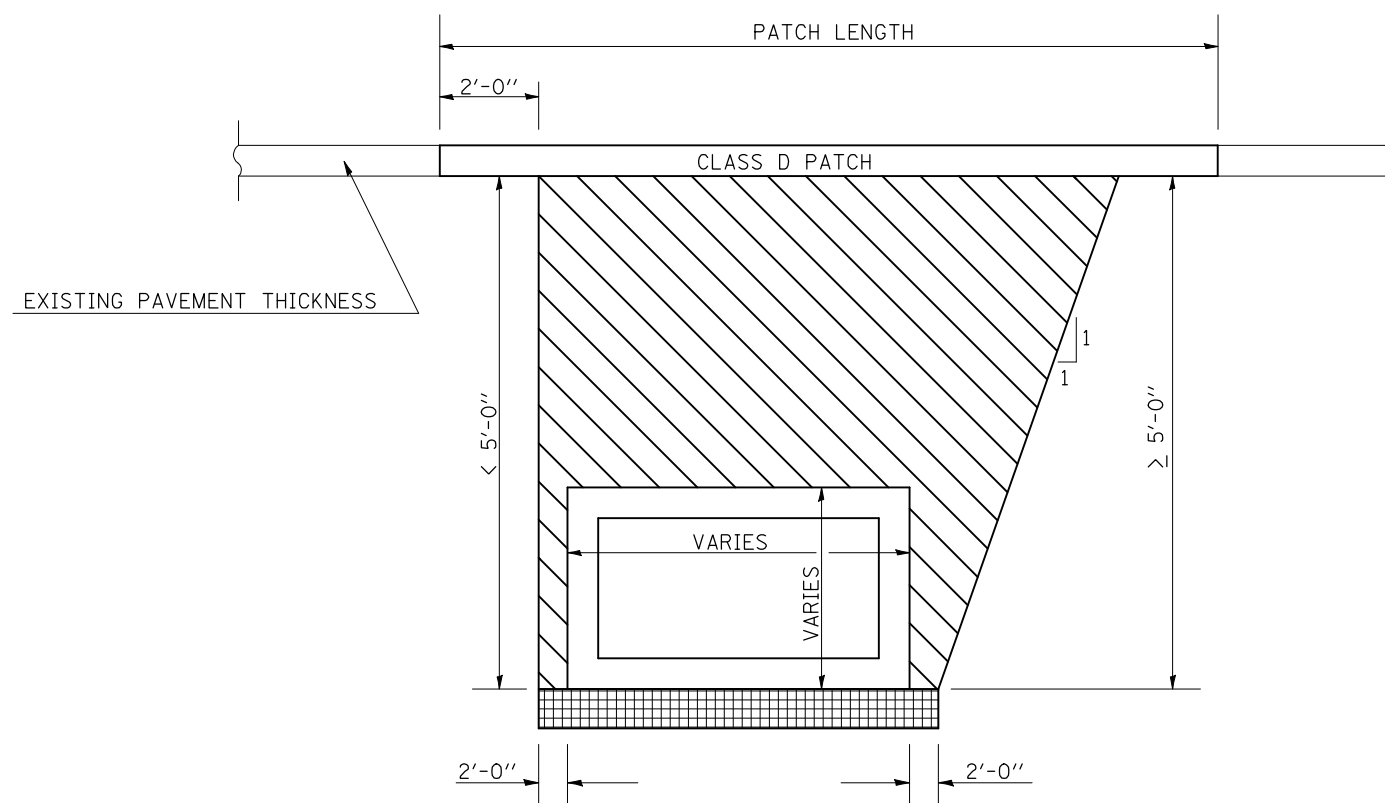
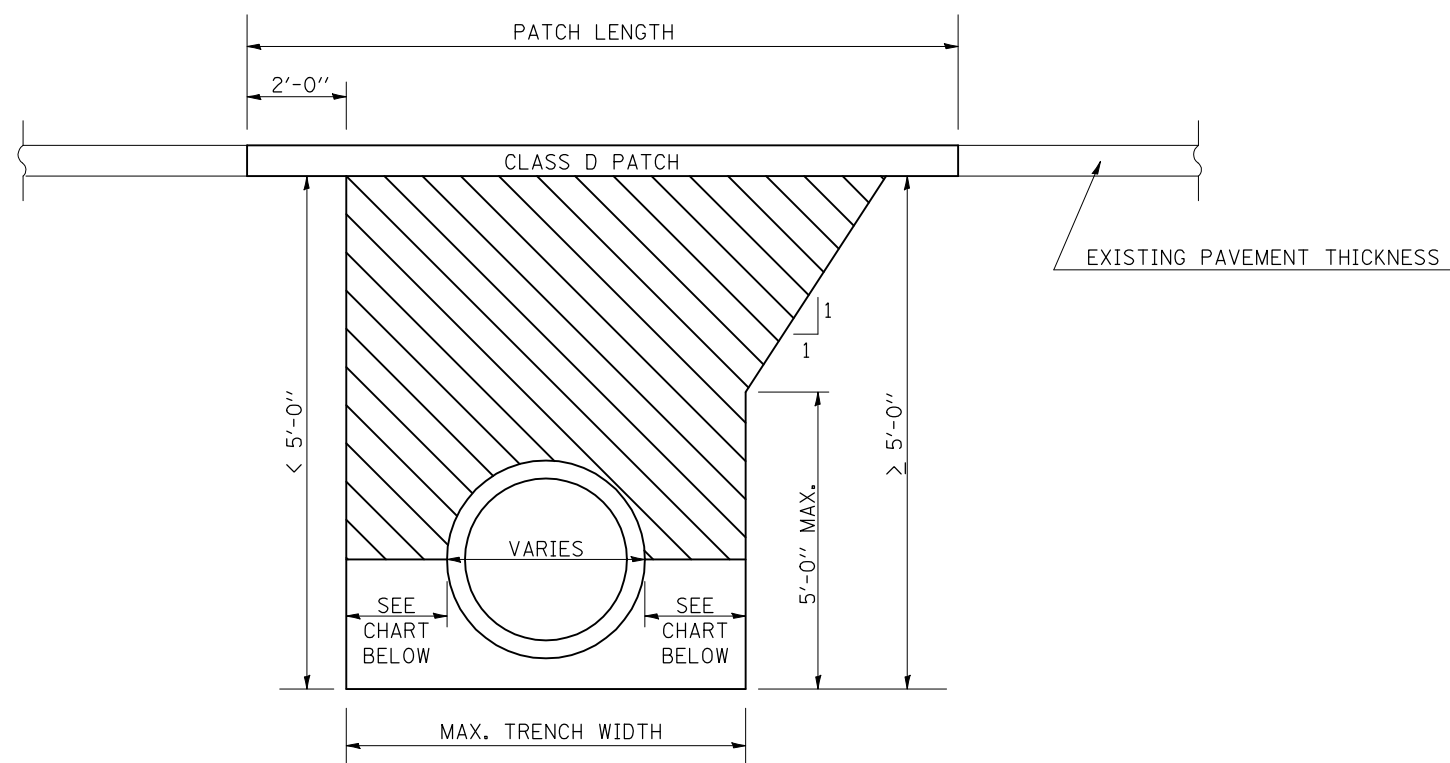
JOINT SEALING WILL BE PAID AT THE CONTRACT UNIT PRICE FOR JOINT SEALER, PER FOOT. EXCAVATION REQUIRED TO UNCOVER THE END SECTION, AND GRADING TO REBURY AND GRADE THE END SECTION WILL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR JOINT SEALER. FILTER FABRIC WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR FILTER FABRIC, PER SQUARE YARD. ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE WORK SHALL BE CONSIDERED TO BE INCLUDED IN



FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF POROUS GRANULAR EMBANKMENT AT CULVERT # 14 DETAIL OF END SECTION JOINT SEALING	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	*101,102X,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507		ILLINOIS FED. AID PROJECT		
PLOT DATE = 12/9/2009	DATE -	REVISED -	SCALE:			SHEET NO.	OF SHEETS	STA.	TO STA.	

ACROSS ROAD PIPE CULVERTS

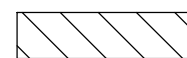
ACROSS ROAD BOX CULVERTS



 PAY LIMITS OF POROUS GRANULAR BACKFILL - CA-6

POROUS GRANULAR BACKFILL SHALL EXTEND 5'-0" OUTSIDE OF THE EDGE OF SHOULDER.

INSIDE DIA. OF PIPE	MAX. TRENCH WIDTH
UP TO 24"	9" + OD + 9"
27" TO 48"	12" + OD + 12"
OVER 48"	18" + OD + 18"

 PAY LIMITS OF POROUS GRANULAR EMBANKMENT - CA-6 UNLESS OTHERWISE SHOWN IN DETAILS

 POROUS GRANULAR MATERIAL - CA 7 (6") INCLUDED IN PAY ITEM FOR BOX CULVERT

* POROUS GRANULAR EMBANKMENT SHALL EXTEND 5'-0" OUTSIDE OF THE EDGE OF SHOULDER, UNLESS OTHERWISE SHOWN IN DETAILS.

* ADDITIONAL UNDERCUT MAY BE SPECIFIED AT SOME BOX CULVERTS

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 20900110

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -
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PLOT DATE = 12/9/2009		DATE -	REVISED -

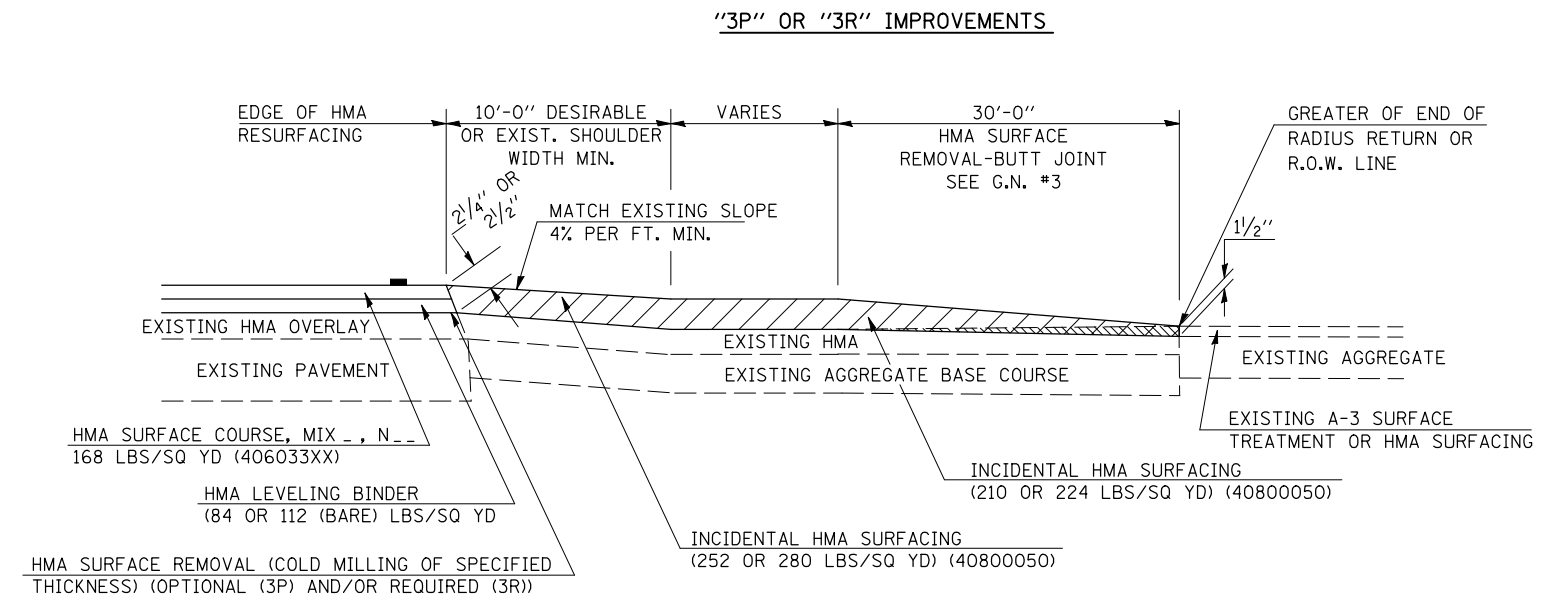
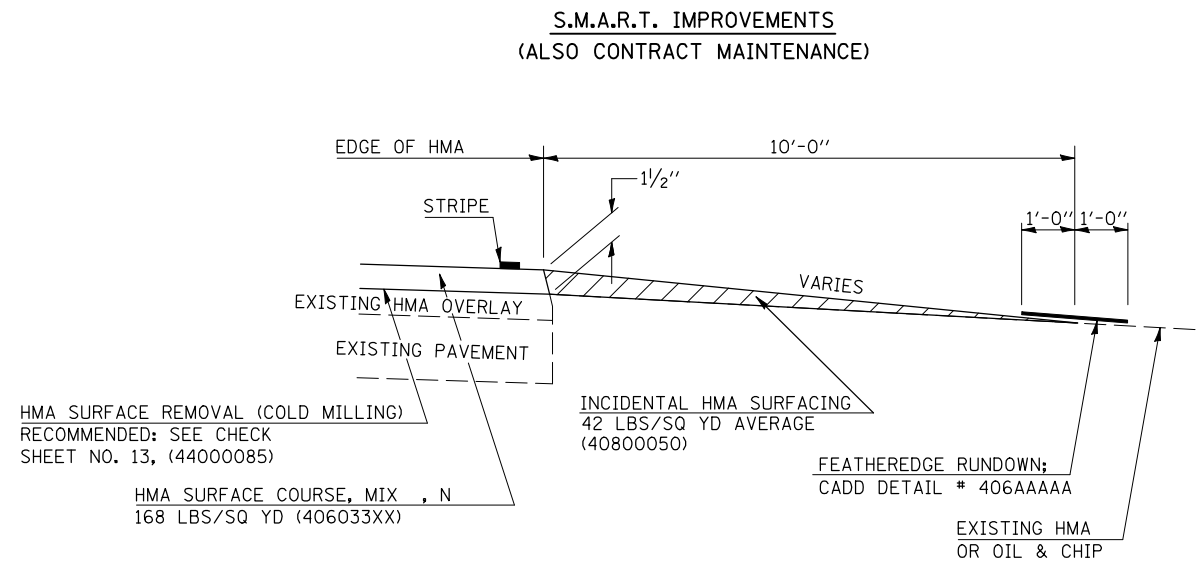
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

POROUS GRANULAR BACKFILL/EMBANKMENT

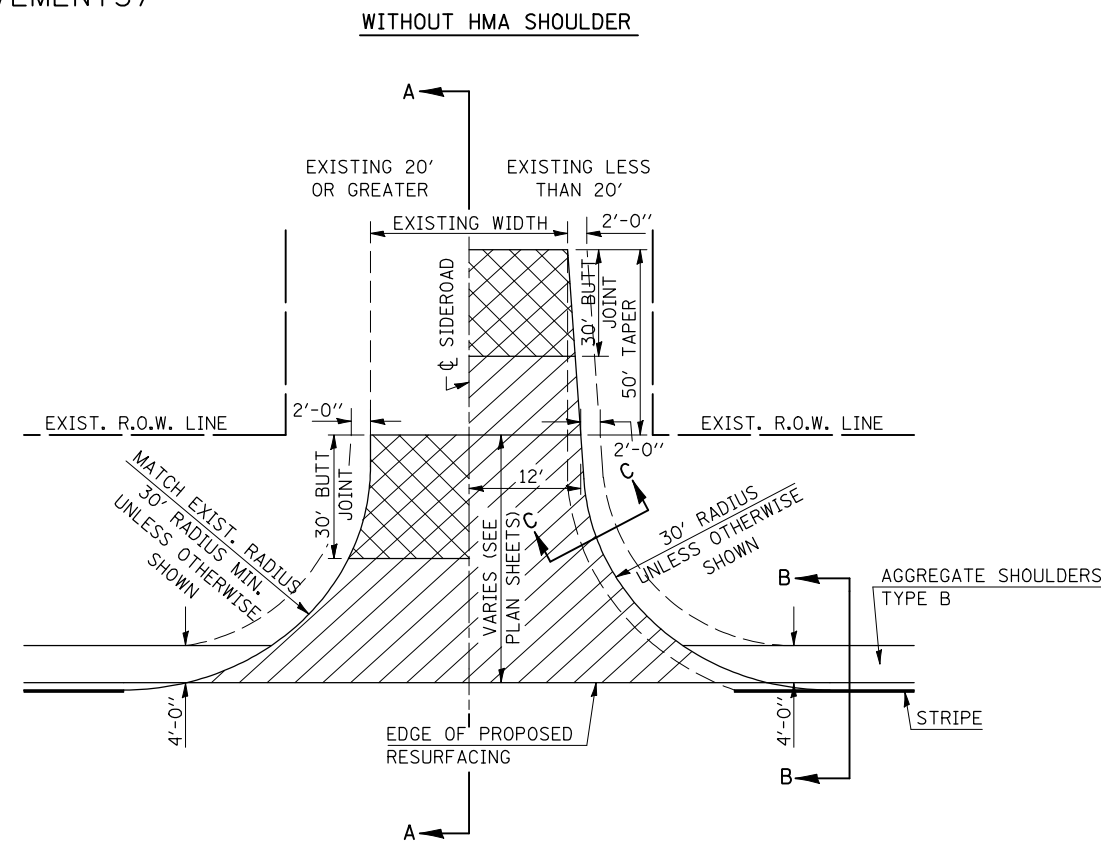
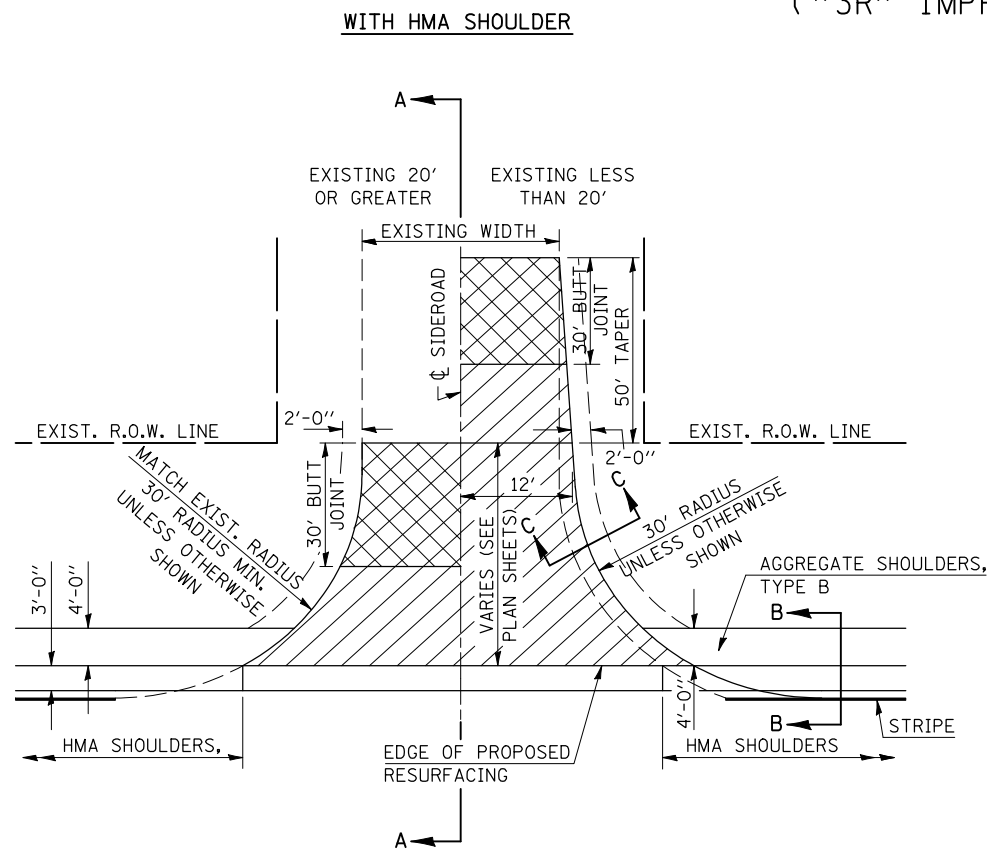
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	65
*101,102X,RS-2 & 55RS-PRK LN				CONTRACT NO. 70507
ILLINOIS FED. AID PROJECT				

PROJECTS WITHOUT RECONSTRUCTION



PROJECTS WITH RECONSTRUCTION ("3R" IMPROVEMENTS)



GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS
2. PROPOSED SIDEROAD GRADES SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. MAJOR SIDEROAD/SIDESTREETS (>400 ADT) SHALL HAVE "BUTT JOINTS" CONSTRUCTED WHETHER THE EXISTING ENTRANCE IS HMA OR PCC. MINOR SIDEROAD/SIDESTREETS (<400 ADT) SHALL HAVE "FEATHEREDGE RUNDOWNS".
4. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT 6" EXISTING BASE MATERIAL FOR THE PROPOSED SIDEROAD RETURNS. THIS MATERIAL SHALL BE USED TO WIDEN SIDEROAD RETURNS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS.
6. AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 408000AA

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED - 12/13/06 TJB
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sht-details.dgn		DRAWN -	REVISED - 09/21/07 KAG
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PLOT DATE = 12/9/2009		DATE -	REVISED -

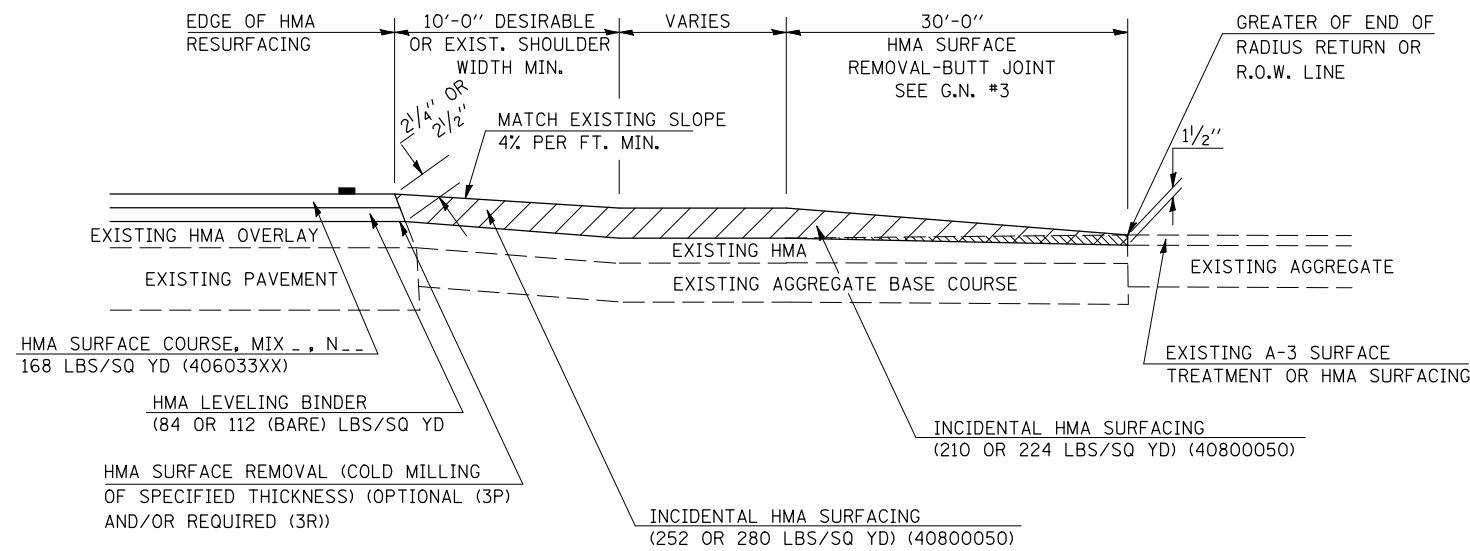
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEROADS & SIDESTREETS (RURAL)

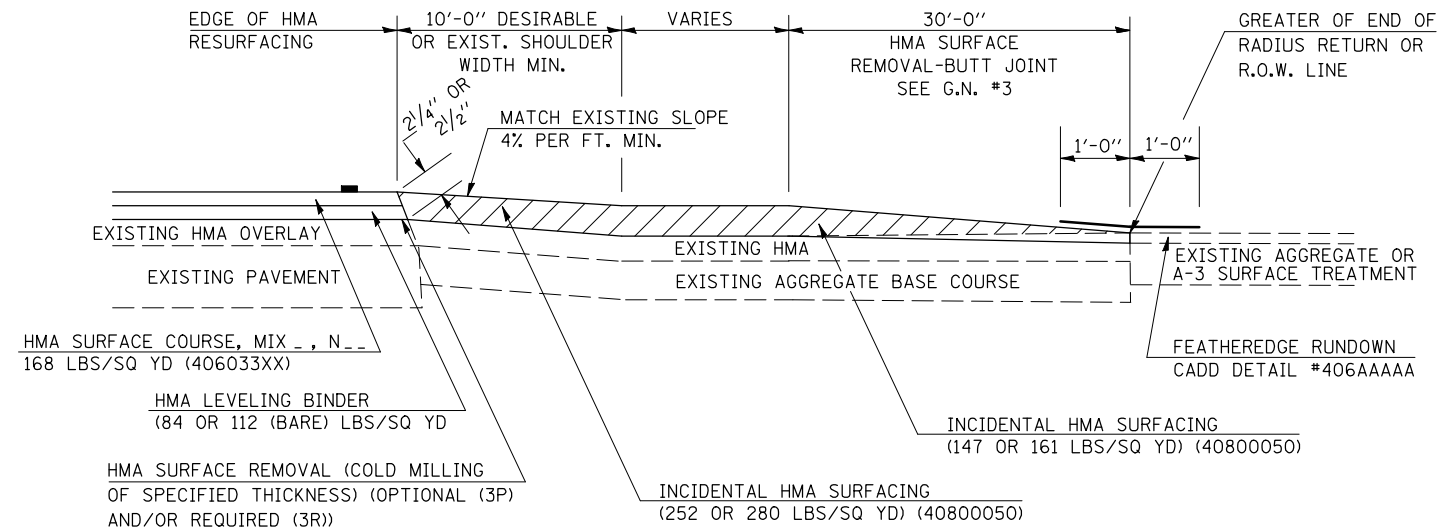
SCALE: NA SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	66
*101,102X,RS-2 & 55RS-PRK LN CONTRACT NO. 70507				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

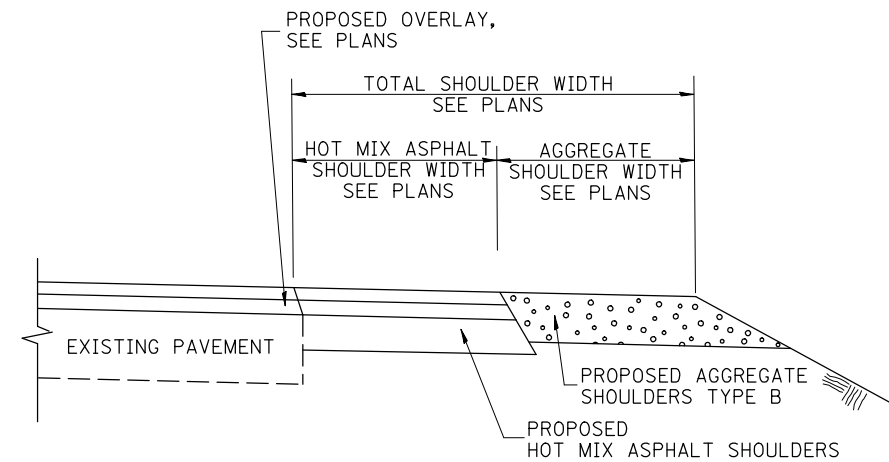
SECTION A-A
EXISTING HMA OR PCC SIDEROAD (>400 ADT)



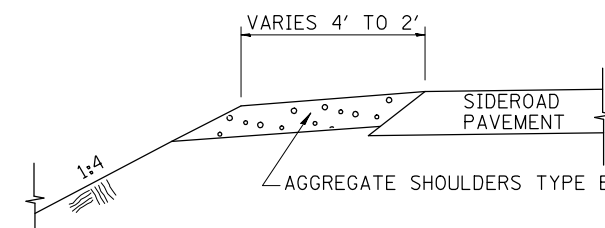
SECTION A-A
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (<400 ADT)



RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)									
DESIGN ELEMENT	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance		
	min.	des.	max.	min.	des.	max.	min.	des.	max.
SURFACE WIDTH (FT); (measured at end of radius or row line; greatest distance from edge of traveled way)	24	24	Coordinate with Geometrics Engineer	resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "featheredge rundown" as shown in district cadd detail 406AAAAA					
RADIUS (FT)	30	30		resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads as shown in district cadd detail 406AAAAA					
SHOULDER WIDTH (FT)	4	8	10						
SHOULDER SLOPE (%)	2	4	12						
ENTRANCE GRADE (%)	1	1 to 4	4						
BREAKOVER (%)	0	5	10						
SIDE SLOPE	1:10	1:6	1:4						
INTERSECTION ANGLE	60	75 to 90							
SURFACE TYPE									
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge		
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base					
PCC PAVEMENT (INCH)		8							



SECTION B-B
MAINLINE SHOULDER TREATMENT



SECTION C-C
SIDEROAD SHOULDER TREATMENT

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 40800AA

FILE NAME =	USER NAME = bucklesj	DESIGNED -	REVISED - 12/13/06 TJB
ct:\pw\work\p\dot\bucklesj\0170848\0570507-shd-details.dgn		DRAWN -	REVISED - 09/21/07 KAG
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

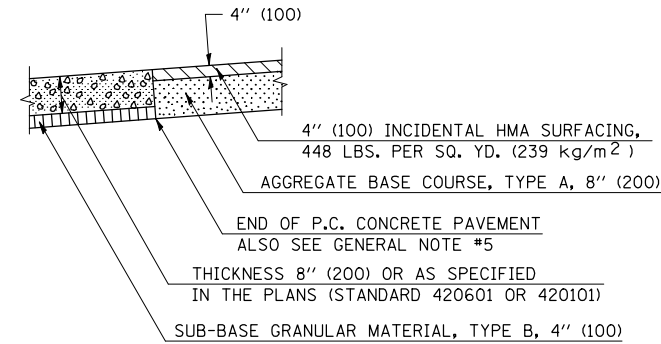
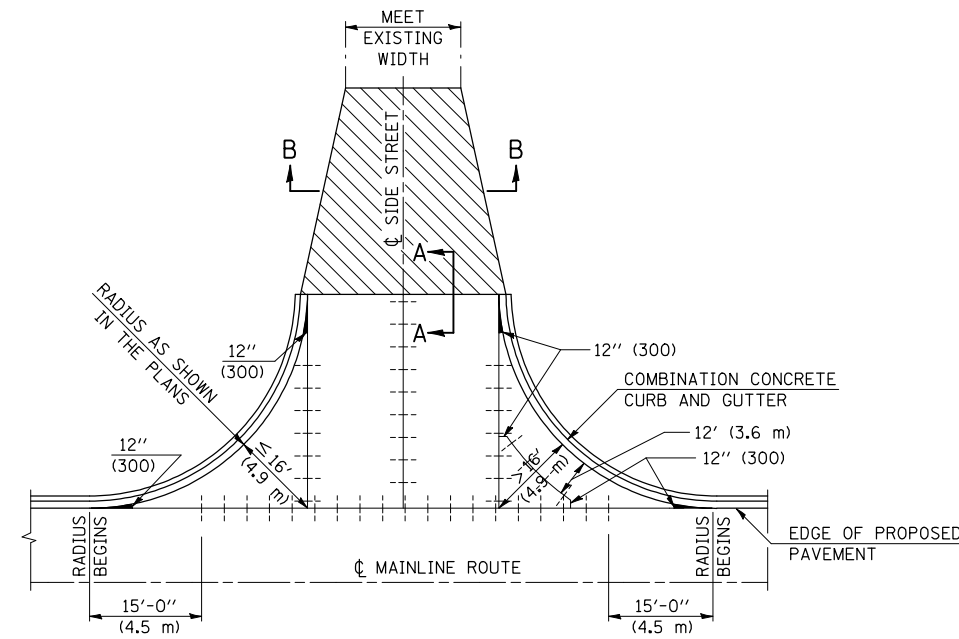
SIDEROADS & SIDESTREETS (RURAL)

SCALE: NA SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	67
*101,102X,RS-2 & 55RS-PRK LN CONTRACT NO. 70507				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

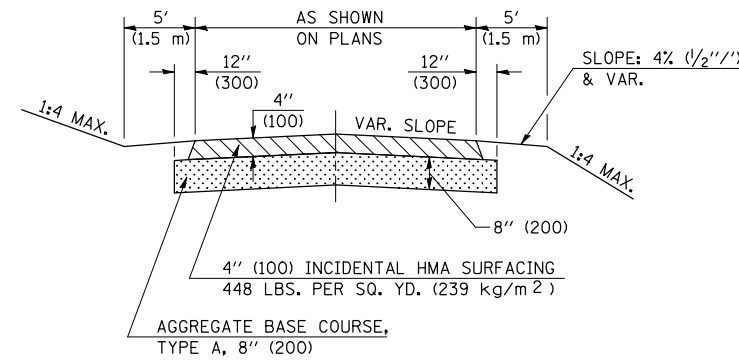
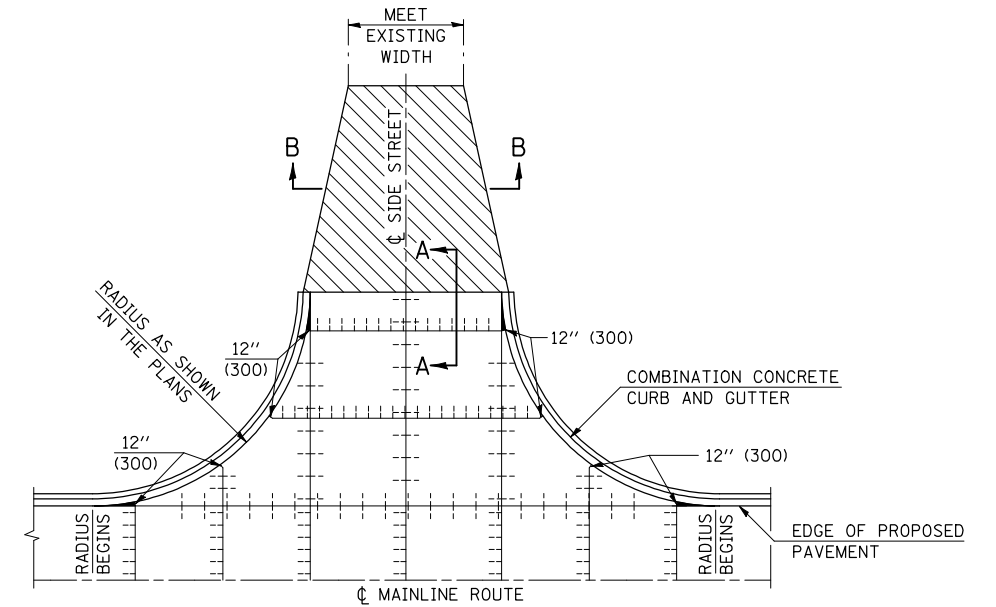
**NEW CONSTRUCTION
('3 R" IMPROVEMENTS)**

(ADJACENT TO RESURFACING OR WIDENING AND RESURFACING)



SECTION A-A

(ADJACENT TO JOINTED P. C. C. PAVEMENT)



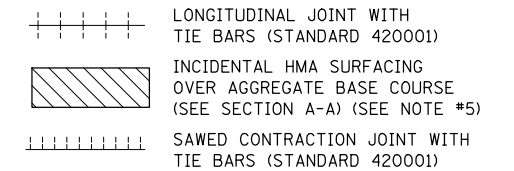
SECTION B-B

GENERAL NOTES

- ALL INTERSECTING SIDE STREETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THIS DETAIL EXCEPT THOSE NOTED IN THE PLANS.
- SAWED LONGITUDINAL JOINTS WITH TIE BARS WILL BE ALLOWED ALONG THE CENTERLINE ONLY WHEN THE STREET RETURN IS POURED FULL WIDTH. OTHER LONGITUDINAL JOINTS SHALL BE ACCORDING TO STANDARD 420001.
- THE MATERIAL WITHIN THE WIDTH TRANSITION AREA MAY BE DIFFERENT THAN SHOWN ABOVE. THE WIDTH TRANSITION MAY NOT BE REQUIRED AT ALL LOCATIONS.
- SHADED AREAS SHALL BE POURED MONOLITHIC WITH ADJACENT COMBINATION CONCRETE CURB AND GUTTER. THIS WORK WILL BE MEASURED AND INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD (m²) FOR PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) OF THE TYPE AND THICKNESS SPECIFIED IN THE PLANS.
- SAWED CONTRACTION JOINTS, AS SHOWN IN STANDARD 420001, SHALL BE REQUIRED AT 12' (3.6 m) TO 18' (5.5 m) SPACING FOR JOINTED PCC PAVEMENT AND AT 40' (12.2 m) (MIN. SPACING 20' (6.1 m)) WHEN THE LENGTH OF THE RETURN EXCEEDS 40' (12.2 m).
- JOINT SPACING, MONOLITHIC POURS AND OTHER FEATURES MAY BE MODIFIED TO MAINTAIN ALIGNMENT OF JOINTS BETWEEN ADJACENT PANELS. SEE PAVEMENT JOINT PLANS.
- PLACEMENT OF PAVEMENT FABRIC SHALL BE AS SHOWN ON THE STANDARDS INCLUDED WITH THIS IMPROVEMENT.

URBAN SIDEROAD DESIGN STANDARDS (PPM 40-06)									
DESIGN ELEMENT	New Construction OR 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) OR 3P			SMART or Contract Maintenance		
	min.	des.	max.	min.	des.	max.	min.	des.	max.
SURFACE WIDTH (FT); (measured at end of radius or row line; greatest distance from edge of traveled way)	30 f-f	30 f-f	Coordinate with Geometrics Engineer	resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "featheredge rundown" as shown in district cadd detail 406AAAAA			resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads as shown in district cadd detail 406AAAAA		
RADIUS (FT)	30	30							
ENTRANCE GRADE (%)	1	1 to 4	4						
BREAKOVER (%)	0	5	10						
INTERSECTION ANGLE	60	75 to 90							
SURFACE TYPE									
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge		
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base					
PCC PAVEMENT (INCH)		8							

LEGEND



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 420030A

FILE NAME =	USER NAME = bucklesj	DESIGNED -	REVISED - 11/06 TJB
ct:\pw_work\p\dot\bucklesj\d0170848\0570507-shr-details.dgn		DRAWN -	REVISED - 09/07 KAG
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 12/9/2009		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

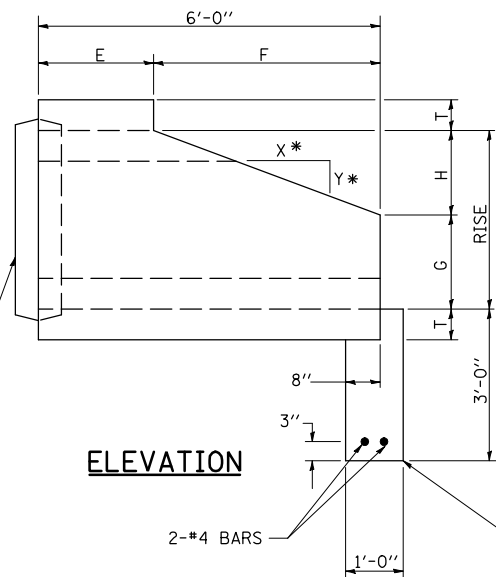
INTERSECTING SIDE STREETS (URBAN)

SCALE: SHEET NO. OF SHEETS STA. TO STA.

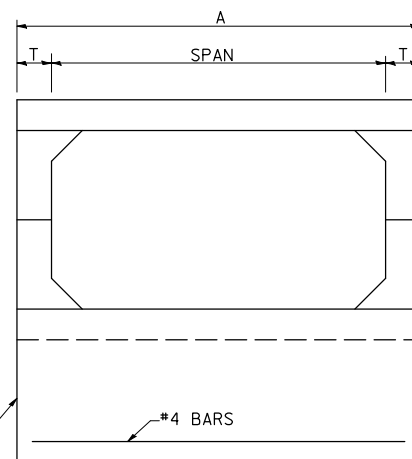
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	68
*101,102X,RS-2 & 55RS-PRK LN		CONTRACT NO. 70507		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DIMENSIONS **

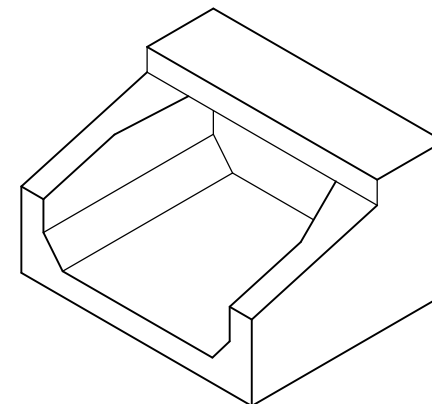
SPAN X RISE	T (INCHES)	A (FT.-IN.)	B (FT.-IN.)	C (INCHES)	E (FT.-IN.)	F (FT.-IN.)	G (FT.-IN.)	H (FT.-IN.)	SLOPE (X:Y)
2' X 2'	4	2-8	2-8	4	3-0	3-0	1-0	1-0	3:1
3' X 2'	4	3-8	2-8	4	3-0	3-0	1-0	1-0	3:1
3' X 3'	4	3-8	3-8	4	2-0	4-0	1-8	1-4	3:1
4' X 2'	5	4-10	2-10	5	3-0	3-0	1-0	1-0	3:1
4' X 3'	5	4-10	3-10	5	2-0	4-0	1-8	1-4	3:1
4' X 4'	5	4-10	4-10	5	2-0	4-0	2-0	2-0	2:1
5' X 2'	6	6-0	3-0	6	3-0	3-0	1-0	1-0	3:1
5' X 3'	6	6-0	4-0	6	2-0	4-0	1-8	1-4	3:1
5' X 4'	6	6-0	5-0	6	2-0	4-0	2-0	2-0	2:1
5' X 5'	6	6-0	6-0	6					
6' X 2'	7	7-2	3-2	7	3-0	3-0	1-0	1-0	3:1
6' X 3'	7	7-2	4-2	7	2-0	4-0	1-8	1-4	3:1
6' X 4'	7	7-2	5-2	7	2-0	4-0	2-0	2-0	2:1
6' X 5'	7	7-2	6-2	7	2-0	4-0	3-0	2-0	2:1
6' X 6'	7	7-2	7-2	7	2-0	4-0	4-0	2-0	2:1
7' X 4'	8	8-4	5-4	8	2-0	4-0	2-0	2-0	2:1
7' X 5'	8	8-4	6-4	8					
7' X 6'	8	8-4	7-4	8					
7' X 7'	8	8-4	8-4	8					
8' X 4'	8	9-4	4-4	8	2-0	4-0	2-0	2-0	2:1
8' X 4'	8	9-4	5-4	8					
8' X 5'	8	9-4	6-4	8					
8' X 6'	8	9-4	7-4	8					
8' X 7'	8	9-4	8-4	8					
8' X 8'	8	9-4	9-4	8					
9' X 5'	9	10-6	6-6	9					
9' X 6'	9	10-6	7-6	9					
9' X 7'	9	10-6	8-6	9					
9' X 8'	9	10-6	9-6	9					
9' X 9'	9	10-6	10-6	9					
10' X 5'	10	11-8	6-8	10					
10' X 6'	10	11-8	7-8	10					
10' X 7'	10	11-8	8-8	10					
10' X 8'	10	11-8	9-8	10					
10' X 9'	10	11-8	10-8	10					
10' X 10'	10	11-8	11-8	10					
11' X 4'	11	12-10	5-10	11					
11' X 6'	11	12-10	7-10	11					
11' X 8'	11	12-10	9-10	11					
11' X 10'	11	12-10	11-10	11					
11' X 11'	11	12-10	12-10	11					
12' X 4'	12	14-0	6-0	12					
12' X 6'	12	14-0	8-0	12					
12' X 8'	12	14-0	10-0	12					
12' X 10'	12	14-0	12-0	12					
12' X 12'	12	14-0	14-0	12					



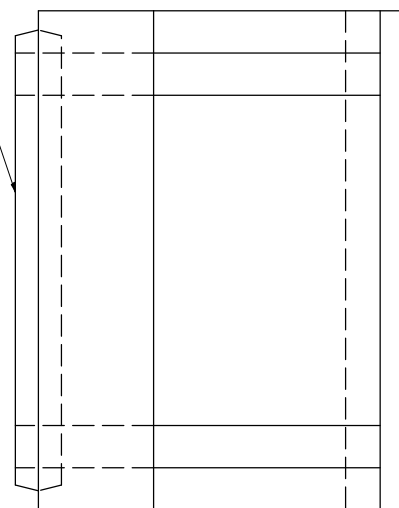
* 2:1 SLOPE MINIMUM



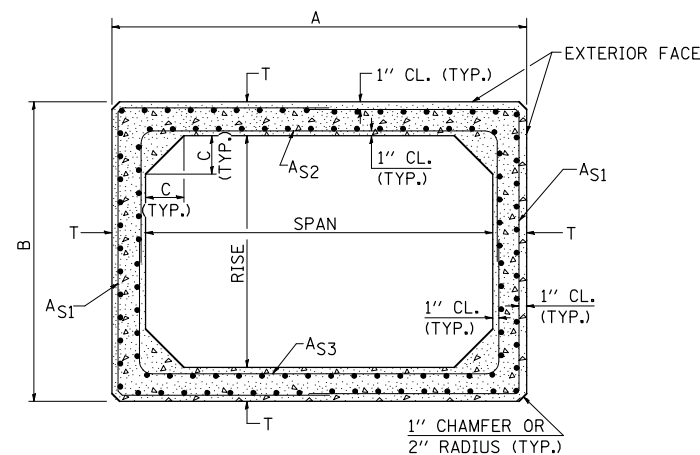
END VIEW



ISOMETRIC



PLAN



CROSS SECTION

GENERAL NOTES

SHOP DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 1042.03(b) OF THE STANDARD SPECIFICATIONS.

MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER 28 DAYS.

THE JOINTS OF THE PRECAST BOX SECTIONS SHALL BE SEALED WITH MASTIC IN ACCORDANCE WITH SECTION 1055 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE TERMS AS1, AS2, & AS3 DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN AASHTO M273. REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO AASHTO M55-81.

**** NOTE:**

THE DIMENSIONS INDICATED ARE FOR END SECTIONS THAT ARE TO BE USED WITH PRECAST BOX CULVERT SECTIONS DESIGNED FOR 2' OR MORE OF FILL. THE DIMENSIONS MUST BE MODIFIED FOR THE END SECTION TO BE COMPATIBLE WITH PRECAST CULVERT SECTIONS DESIGNED FOR LESS THAN 2' OF FILL.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 54001AAA

STD. 9-50 (FROM DISTRICT 9)

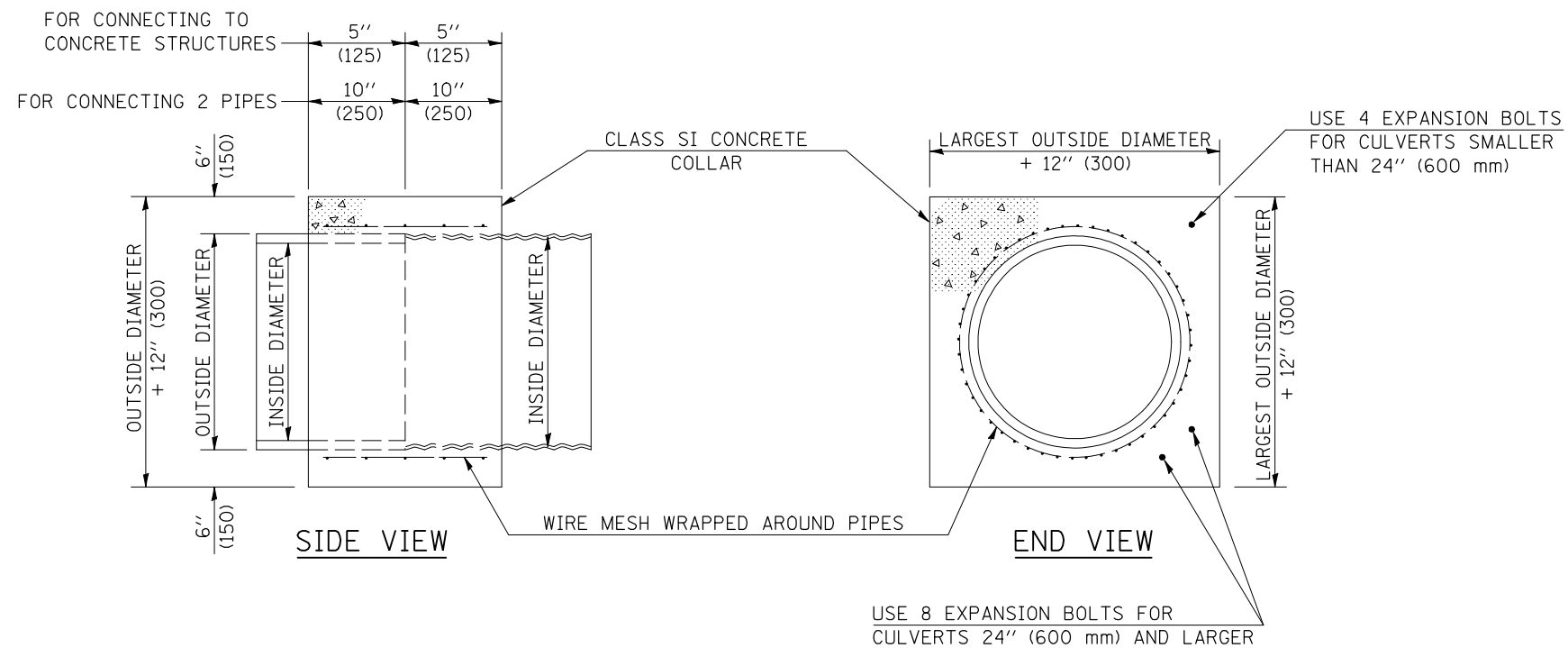
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 12/9/2009		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BOX CULVERT END SECTION
(PRECAST OPTION)**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	69
*101,102X,RS-2 & 55RS-PRK LN CONTRACT NO. 70507				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIAMETERS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIAMETER (SEE END VIEW).
3. THE WIRE MESH SHALL WEIGH NOT LESS THAN 54#/100 SQ. FT. (2.63 kg/m²).
4. WHEN CONCRETE COLLARS ARE CONSTRUCTED ADJACENT TO AN EXISTING CONCRETE STRUCTURE (HEADWALLS, ETC.) EXPANSION BOLTS, SHALL BE USED AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, FOR EXPANSION BOLTS OF THE SIZE SPECIFIED IN THE PLANS.
5. CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, PER CUBIC YARD (CUBIC METER), FOR CONCRETE COLLARS INCLUDING ALL MATERIAL AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.

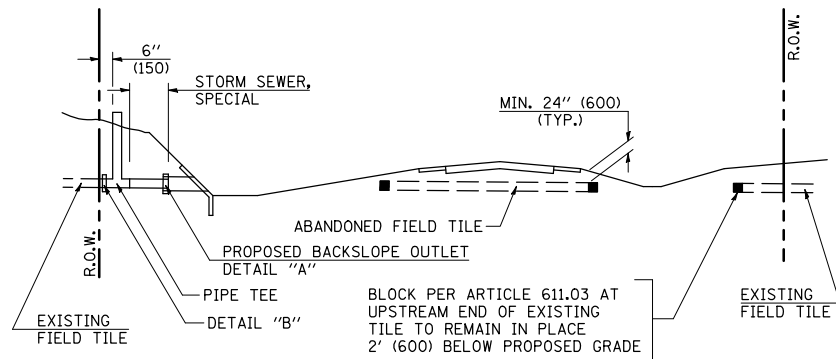
QUANTITIES FOR CONCRETE PIPES	
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED
INCH (mm)	20" (500 mm) WIDTH CU. YD. (m ³)
4" (100)	0.14 (0.11)
6" (150)	0.16 (0.12)
8" (200)	0.19 (0.14)
10" (250)	0.22 (0.17)
12" (300)	0.25 (0.19)
15" (375)	0.30 (0.23)
18" (450)	0.35 (0.27)
24" (600)	0.45 (0.35)
30" (750)	0.57 (0.43)
36" (900)	0.69 (0.53)
42" (1050)	0.83 (0.63)
48" (1200)	0.97 (0.74)
54" (1350)	1.12 (0.86)
60" (1500)	1.28 (0.98)

QUANTITIES FOR METAL PIPES	
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED
INCH (mm)	20" (500 mm) WIDTH CU. YD. (m ³)
4" (100)	0.12 (0.09)
6" (150)	0.14 (0.11)
8" (200)	0.16 (0.12)
10" (250)	0.19 (0.14)
12" (300)	0.21 (0.16)
15" (375)	0.25 (0.19)
18" (450)	0.29 (0.22)
24" (600)	0.38 (0.29)
30" (750)	0.47 (0.36)
36" (900)	0.59 (0.45)
42" (1050)	0.69 (0.53)
48" (1200)	0.81 (0.62)
54" (1350)	0.93 (0.71)
60" (1500)	1.05 (0.81)

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

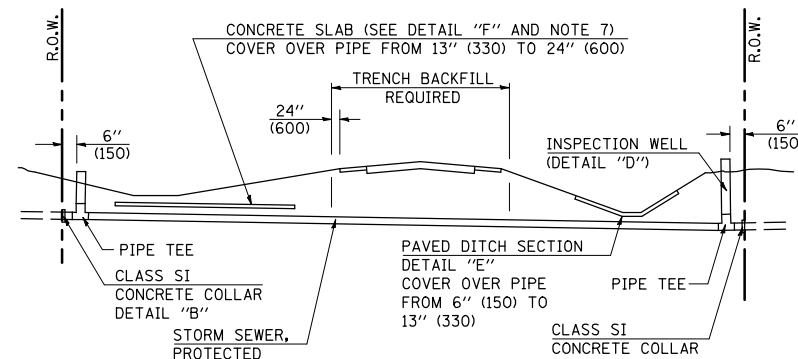
DISTRICT 5 DETAIL NO. 54248510

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED - 12/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE COLLAR FOR PIPE CULVERT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-shd-details.dgn		DRAWN -	REVISED -					315	*	McLean	115	70	
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -		SCALE:			SHEET NO.	OF SHEETS	STA.	TO STA.	*101,102X,RS-2 & 55RS-PRK LN CONTRACT NO. 70507	
	PLOT DATE = 12/9/2009	DATE -	REVISED -		FED. ROAD DIST. NO.			ILLINOIS		FED. AID PROJECT			



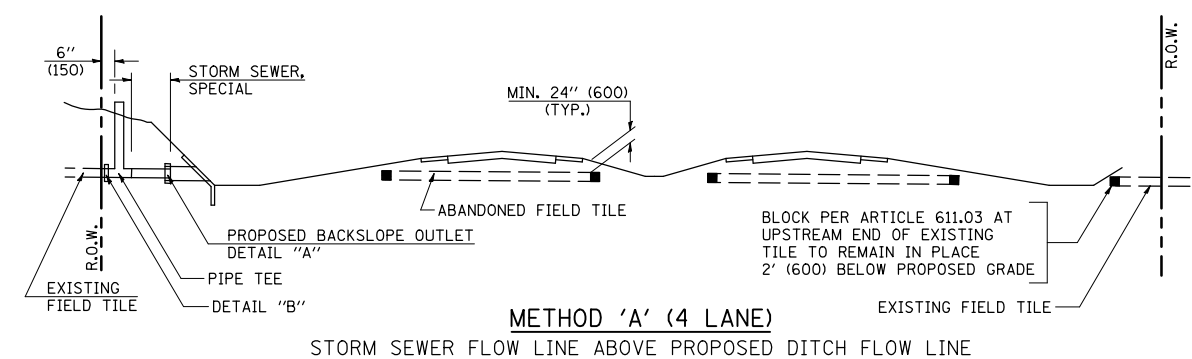
METHOD 'A' (2 LANE)

STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE



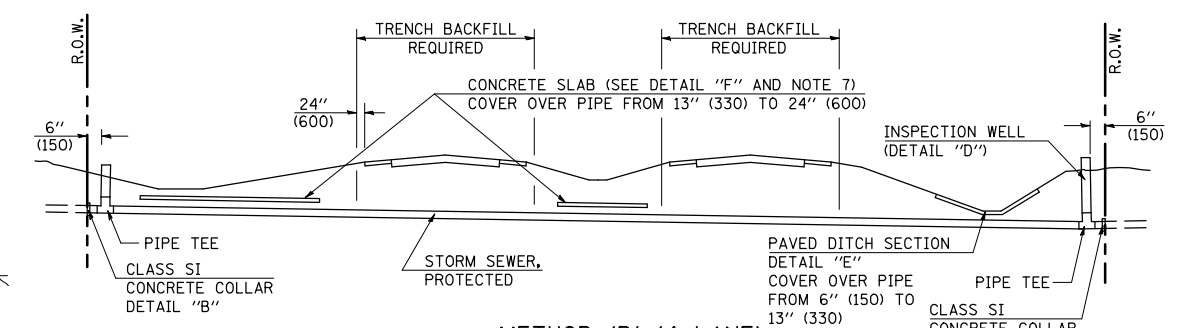
METHOD 'B' (2 LANE)

STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENT AND PAVED DITCH



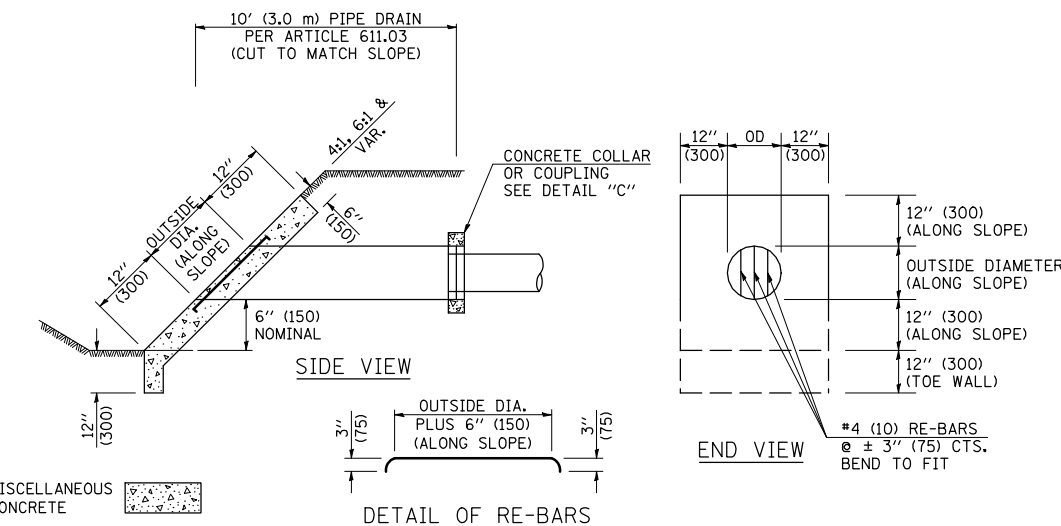
METHOD 'A' (4 LANE)

STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE

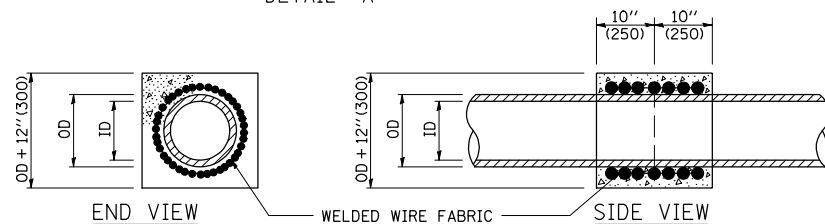


METHOD 'B' (4 LANE)

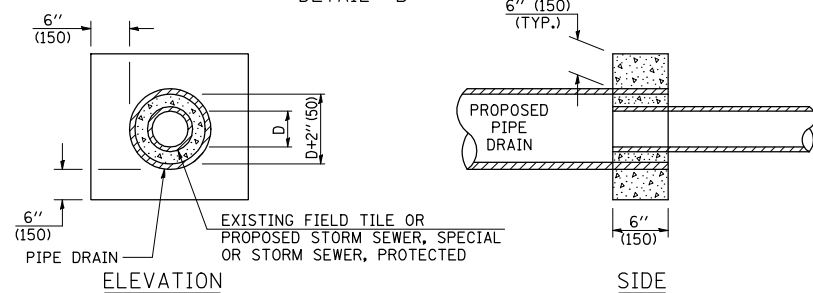
STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENTS AND PAVED DITCHES



HEADWALL FOR BACKSLOPE OUTLET
DETAIL "A"



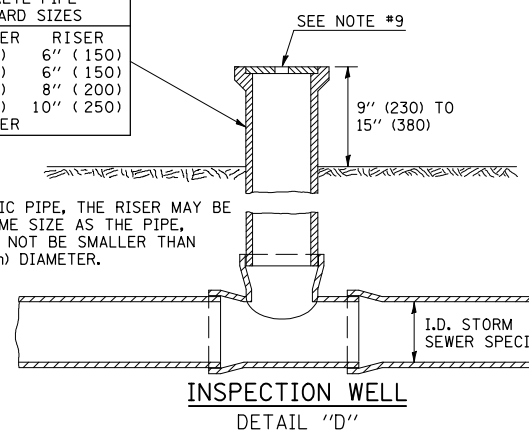
CONCRETE COLLAR
DETAIL "B"



CLASS SI COLLAR
DETAIL "C"

CONCRETE PIPE STANDARD SIZES	
STORM SEWER	RISER
6" (150)	6" (150)
8" (200)	6" (150)
10" (250)	8" (200)
12" (300)	10" (250)
OR GREATER	

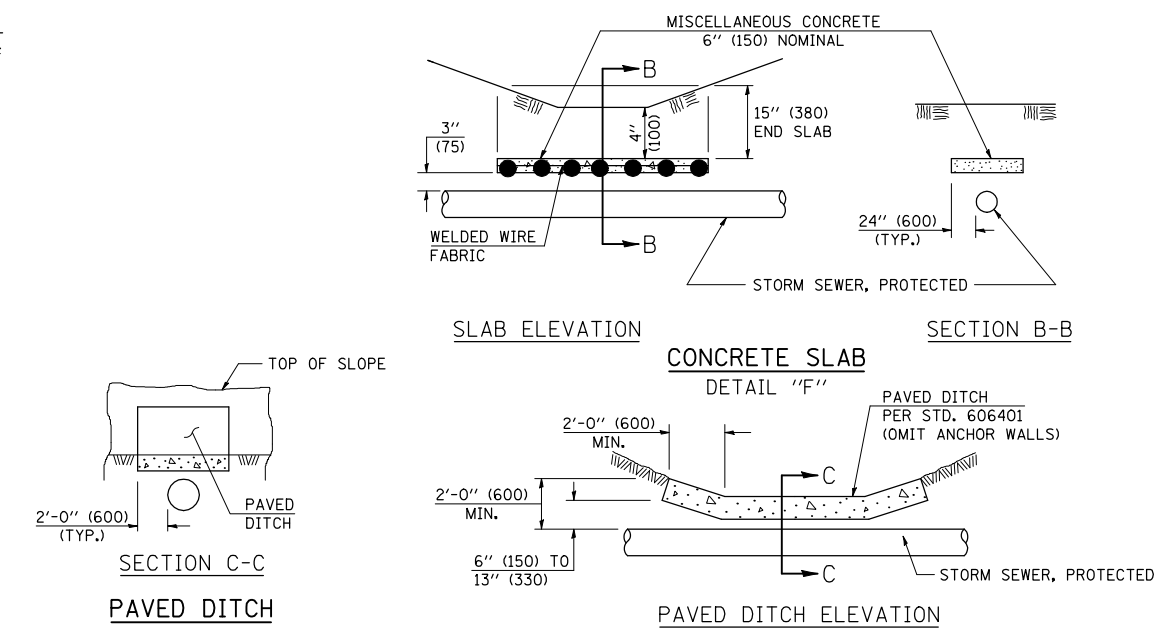
FOR PLASTIC PIPE, THE RISER MAY BE OF THE SAME SIZE AS THE PIPE, BUT SHALL NOT BE SMALLER THAN 4" (100 mm) DIAMETER.



INSPECTION WELL
DETAIL "D"

GENERAL NOTES

- EXISTING FIELD TILE ENCOUNTERED BY EXPLORATION TRENCH SHALL BE INSPECTED BY THE ENGINEER FOR UNOBSTRUCTED FLOW WITHIN THE LIMITS OF THE RIGHT-OF-WAY.
- ONLY FIELD TILE THAT DOES NOT HAVE SATISFACTORY FLOW AND OR HAS VISIBLE SIGNS OF DETERIORATION (SINK HOLES, ETC.) SHALL BE REPLACED WITHIN THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH METHOD "B".
- INSPECTION WELLS SHALL BE CONSTRUCTED APPROXIMATELY 6" (150 mm) INSIDE OF BOTH RIGHT-OF-WAY LINES AT ALL FIELD TILE LOCATIONS.
- EXISTING FIELD TILE ABANDONED UNDER EXISTING PAVEMENTS OR PAVED SHOULDERS SHALL BE FILLED WITH FLOWABLE GROUT AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.
- NON-CIRCULAR FIELD TILE SHALL BE REPLACED WITH STORM SEWER, SPECIAL OF AT LEAST THE SAME CROSS SECTIONAL AREA. ALL EXISTING FIELD TILE SHALL BE REPLACED WITH STORM SEWER OF THE TYPE REQUIRED FOR THE MINIMUM DEPTH OF COVER.
- THE 6" (150 mm) CONCRETE SLAB OR DITCH LINING SHALL BE POURED THE LENGTH OF THE TRENCH AT ALL DITCH FLOW LINE LOCATIONS WITHIN THE RIGHT-OF-WAY WITH LESS THAN 2' (600 mm) OF EARTH COVER. MISCELLANEOUS CONCRETE SHALL BE USED ACCORDING TO SECTION 611.
- ALL MISCELLANEOUS SLABS, APRONS AND DITCH LININGS SHALL BE REINFORCED WITH WELDED WIRE FABRIC AS SHOWN FOR PAVED DITCH IN STANDARD 606401.
- HEADWALL FOR BACKSLOPE OUTLET MAY BE USED FOR PIPE DRAIN DIAMETERS UP TO 10" (250 mm). SPECIAL DESIGNS WILL BE REQUIRED FOR LARGER SIZES.
- THE INSPECTION WELL LID FOR P.C.C. PIPE SHALL BE CONSTRUCTED OF 3/8" (10 mm) CAST IRON AND PROVIDED WITH A 1" (25 mm) DIAMETER HOLE IN CENTER. THE LID FOR THE OTHER PIPE MATERIALS SHALL BE A GRATE ASSEMBLY PREFABRICATED FOR AND COMPATIBLE WITH THE PIPE SYSTEM.



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 61101011A

FILE NAME =	USER NAME = bucklesj	DESIGNED -	REVISED - 11/06
ct:\pw\work\p\dot\bucklesj\0170848\0570507-shd-details.dgn		DRAWN -	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 12/9/2009		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIELD TILE SYSTEMS (TREATMENT OF EXISTING)

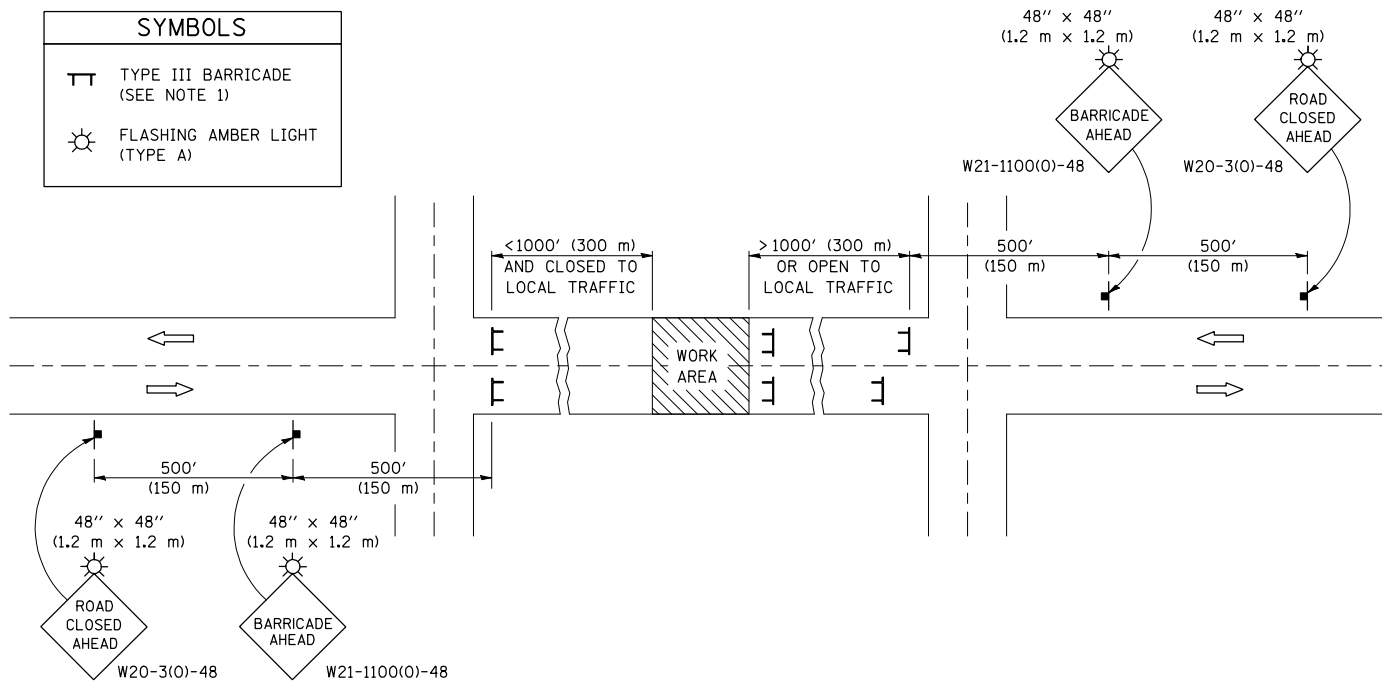
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	71
*101,102X,RS-2 & 55RS-PRK LN		CONTRACT NO. 70507		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

ROAD CLOSURE

SIDEROAD / STREET CLOSURE

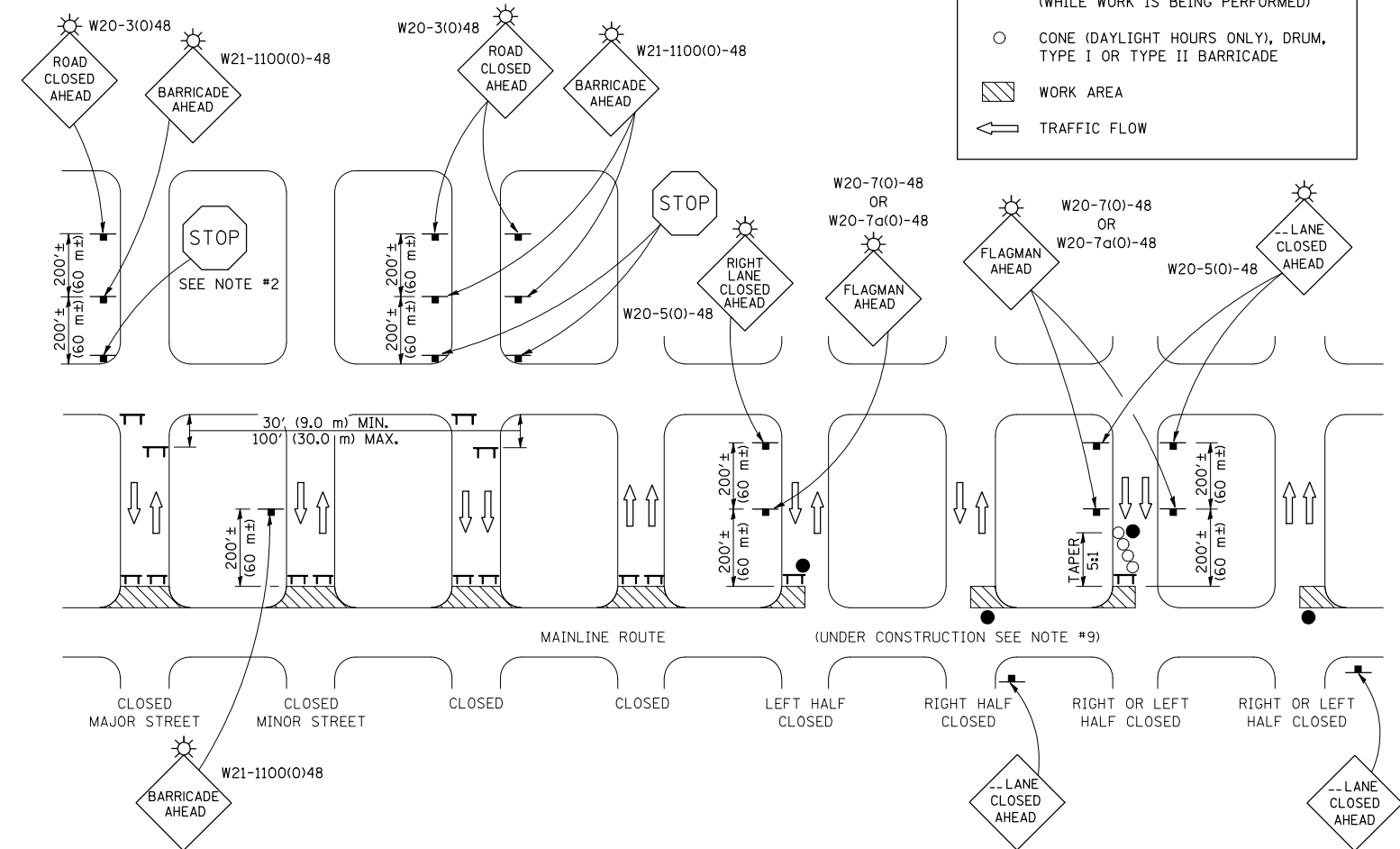
SYMBOLS	
	TYPE III BARRICADE (SEE NOTE 1)
	FLASHING AMBER LIGHT (TYPE A)



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
- WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
- REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TYPE III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
- AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

SYMBOLS	
	TYPE III BARRICADE (SEE NOTE)
	FLASHING LIGHT
	FLAGGER WITH TRAFFIC CONTROL SIGN (WHILE WORK IS BEING PERFORMED)
	CONE (DAYLIGHT HOURS ONLY), DRUM, TYPE I OR TYPE II BARRICADE
	WORK AREA
	TRAFFIC FLOW



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT 725 AND BT 726 ARE REQUIRED.
- THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
- THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS PAY ITEMS INVOLVING THE RECONSTRUCTION OF ALL APPLICABLE SIDE STREETS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7020000

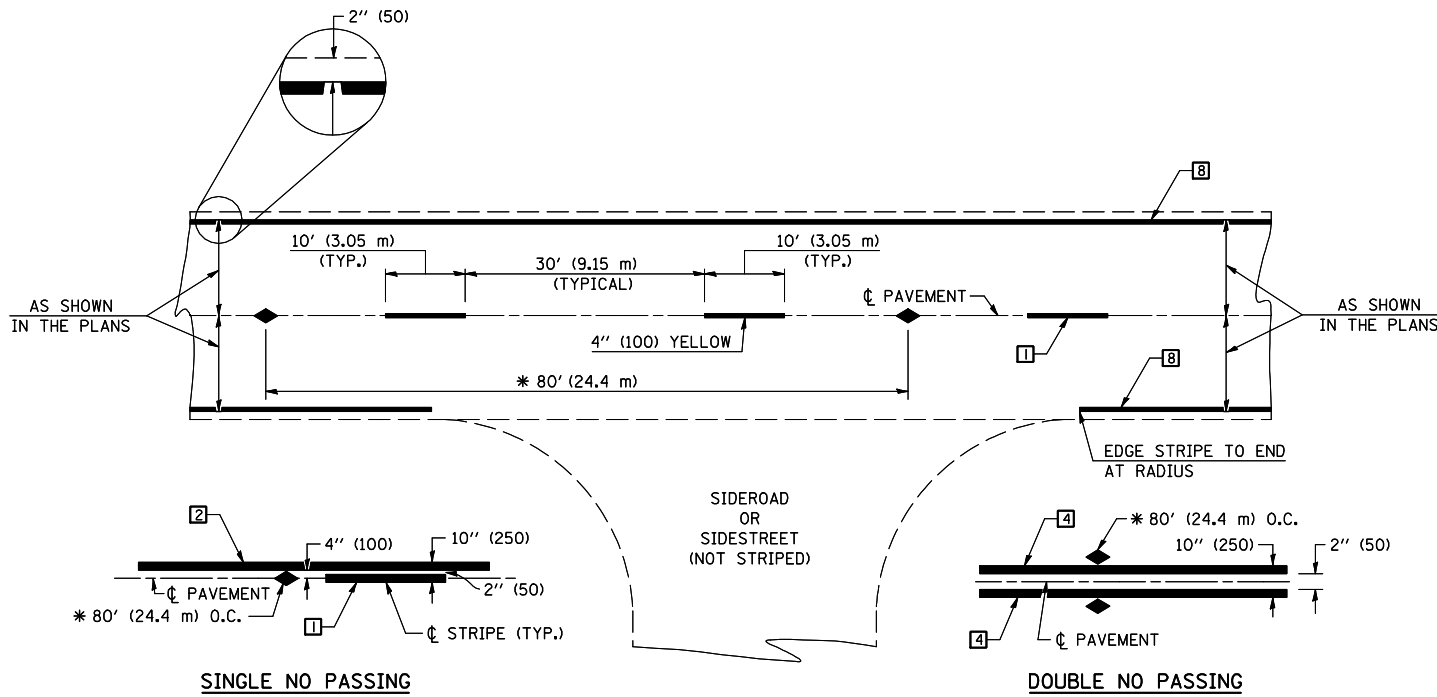
FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED - 11/06
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/9/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL & PROTECTION DEVICES
(ROAD & SIDEROAD/STREET CLOSURES)

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	72
*101,102X,RS-2 & 55RS-PRK LN CONTRACT NO. 70507				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

TWO LANE/TWO WAY

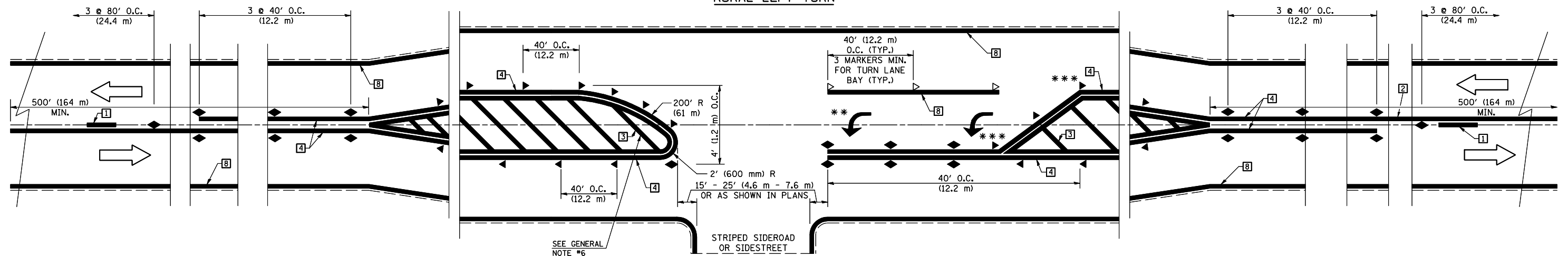
TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RURAL LEFT TURN



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED - 11/06
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sht-details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/9/2009	DATE -	REVISED -

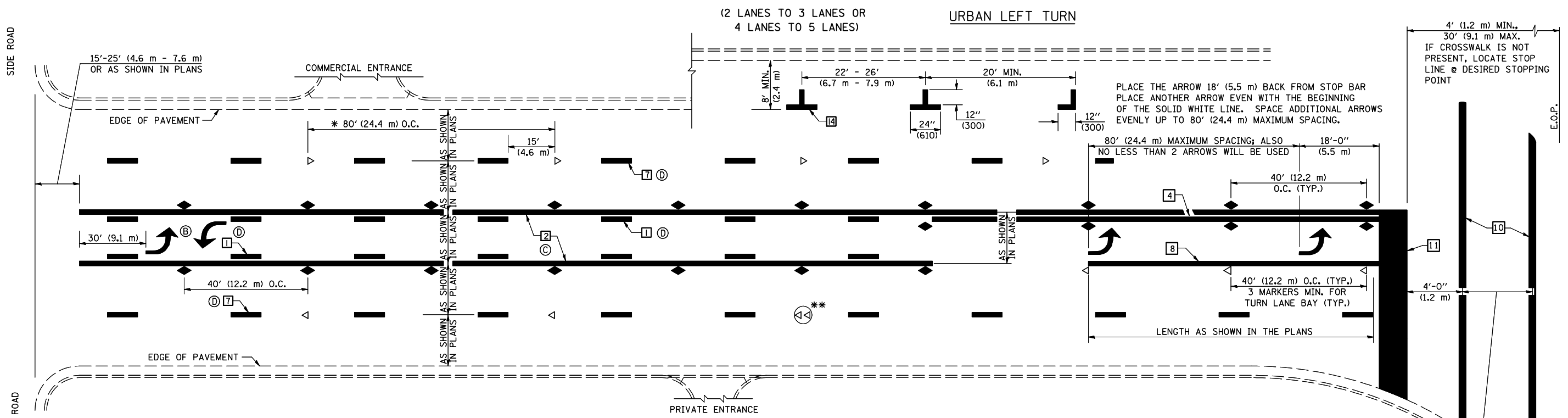
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAA

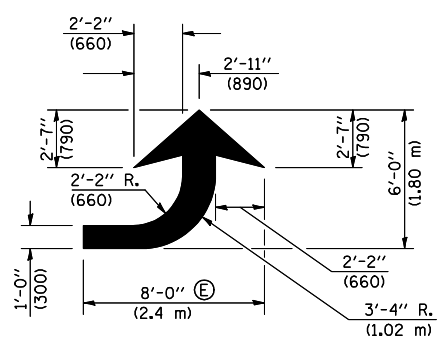
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	73
*101,102X,RS-2 & 55RS-PRK LN CONTRACT NO. 70507				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

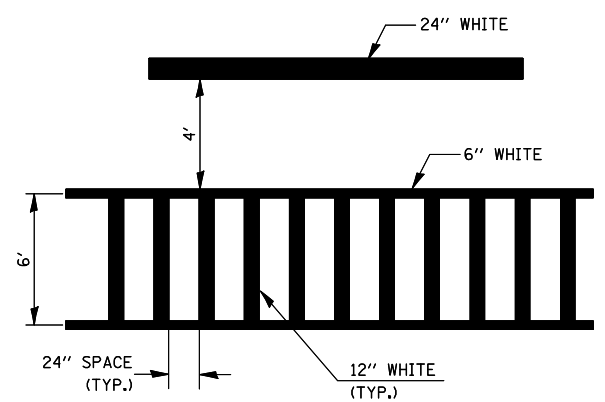
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

BLOOMINGTON-NORMAL CITY LIMITS ONLY

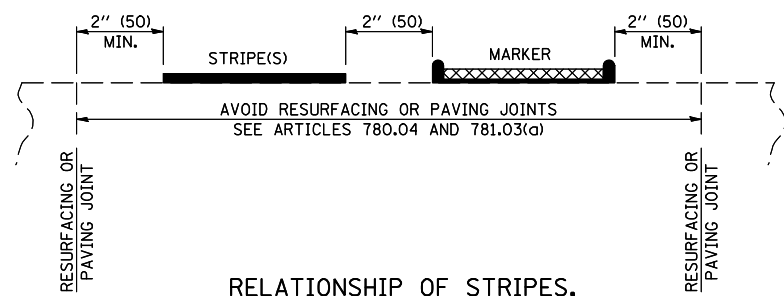


LEFT ARROW

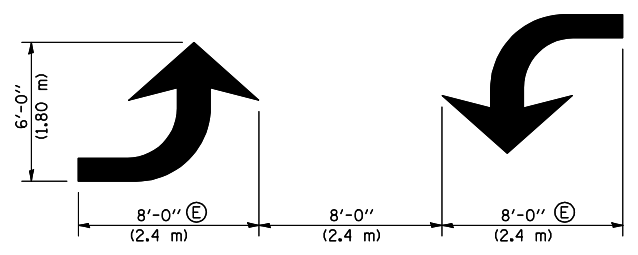
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)



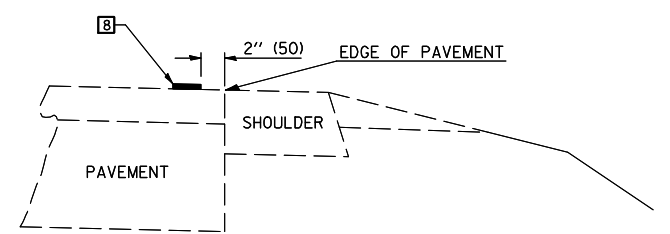
TYPICAL SPACING FOR CROSSWALKS & STOP BARS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



TYPICAL DOUBLE TURN ARROWS (WHITE)



RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT (SAFETY SHOULDER OR PAVED SURFACE) SEE ARTICLE 780.04

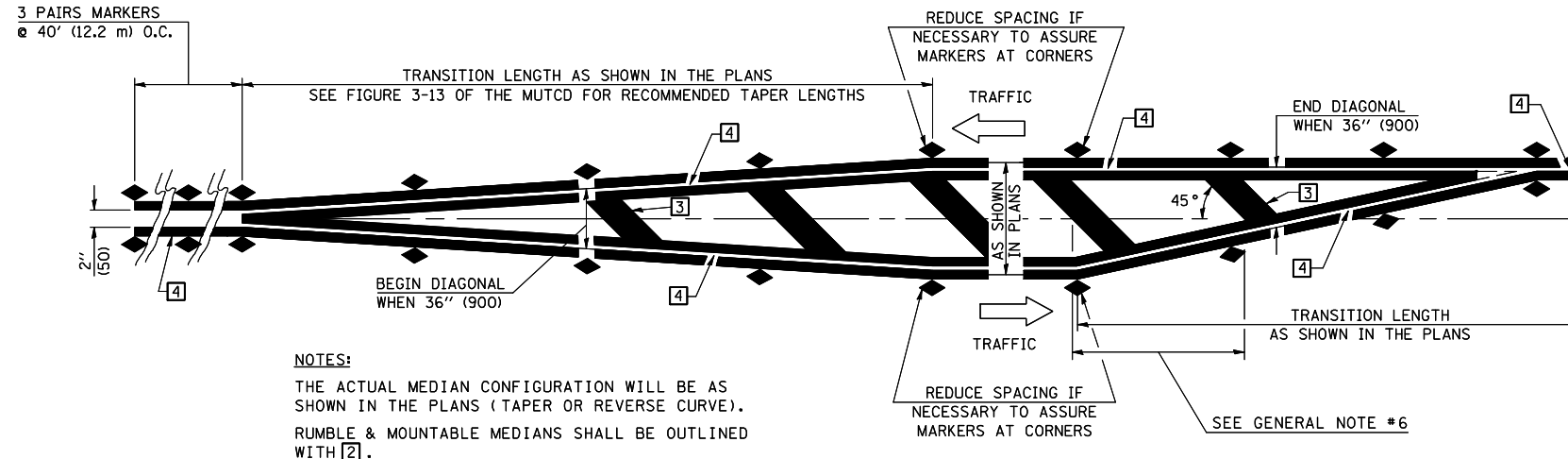
- GENERAL NOTES:**
- ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
 - ⓒ THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
 - ⓓ THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
 - ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAA

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sht-details.dgn	DRAWN -	REVISED -	315			*	McLean	115	74	
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	*101,102X,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507				
PLOT DATE = 12/9/2009	DATE -	REVISED -	FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT			

SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.

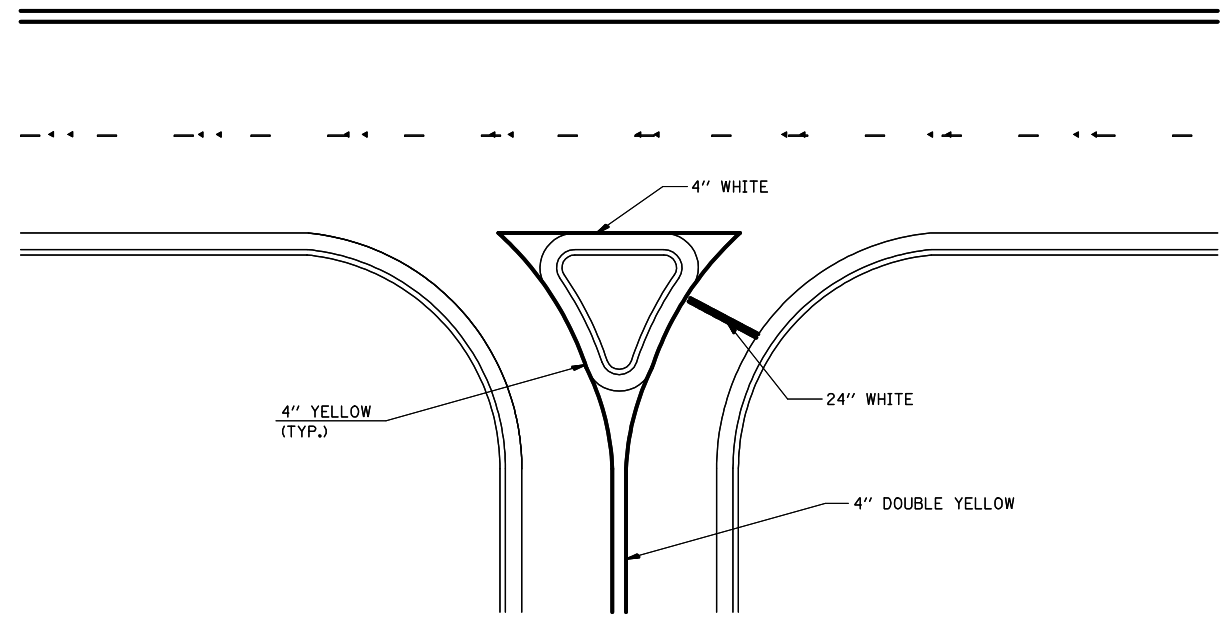


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

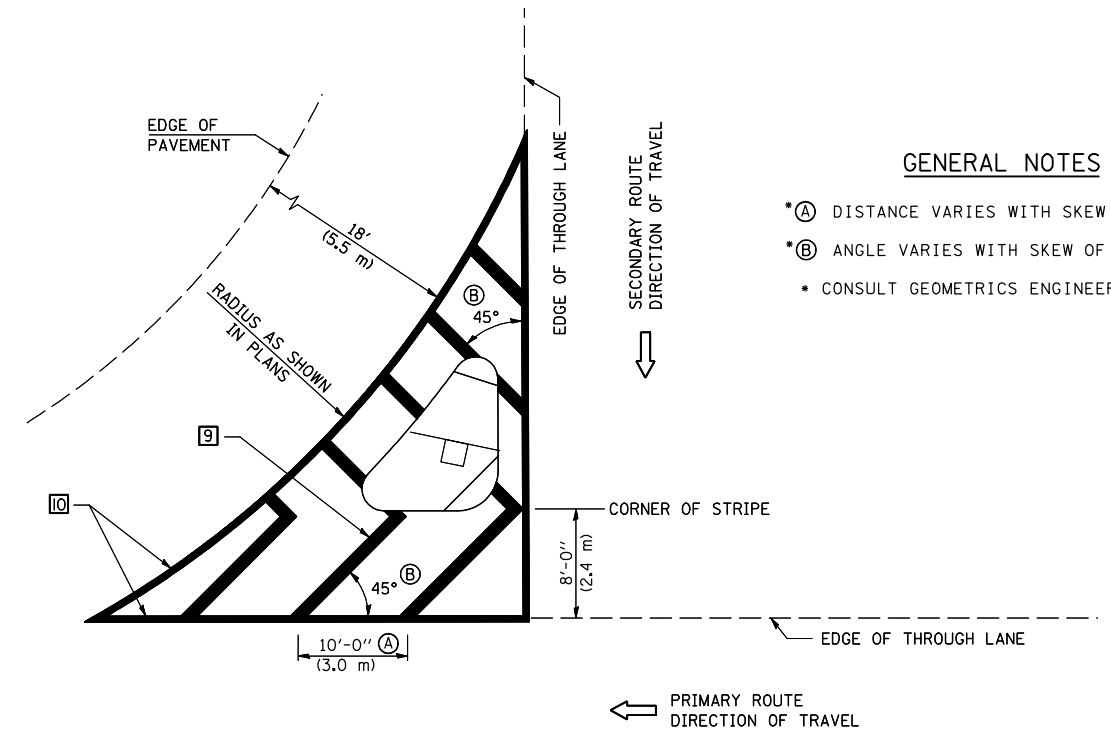
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
 < 30 MPH USE 15' (< 50 km/h USE 4.5 m)
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
 > 45 MPH USE 30' (> 75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



GENERAL NOTES

- *A DISTANCE VARIES WITH SKEW OF INTERSECTION.
- *B ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

ISLAND

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED - 11/06
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/9/2009	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
 (RURAL & URBAN APPLICATIONS)**

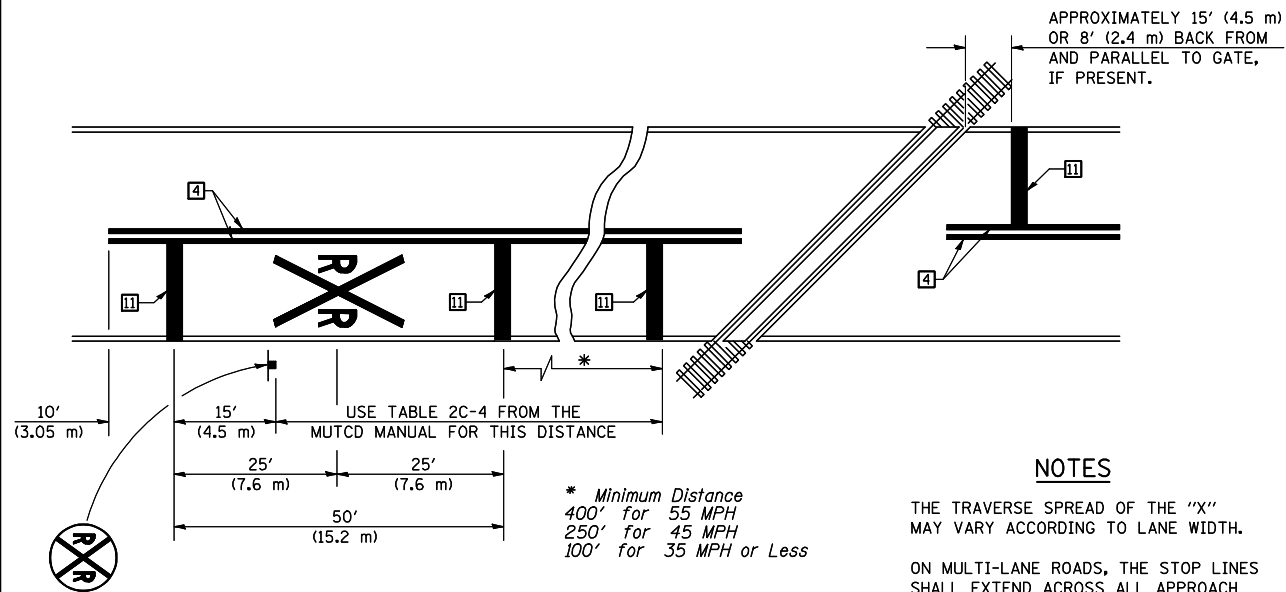
SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	75
*101,102X,RS-2 & 55RS-PRK LN CONTRACT NO. 70507				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

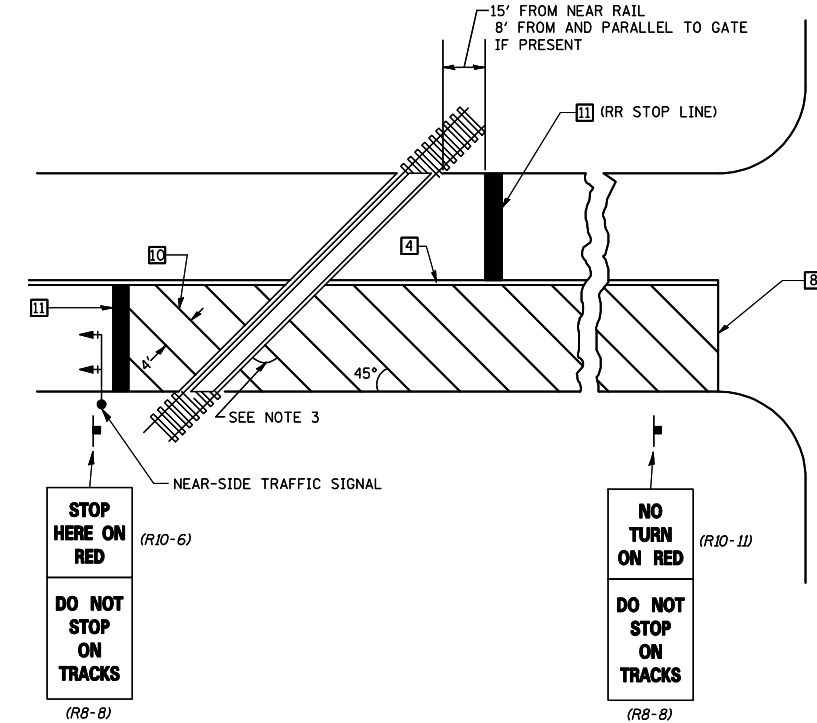
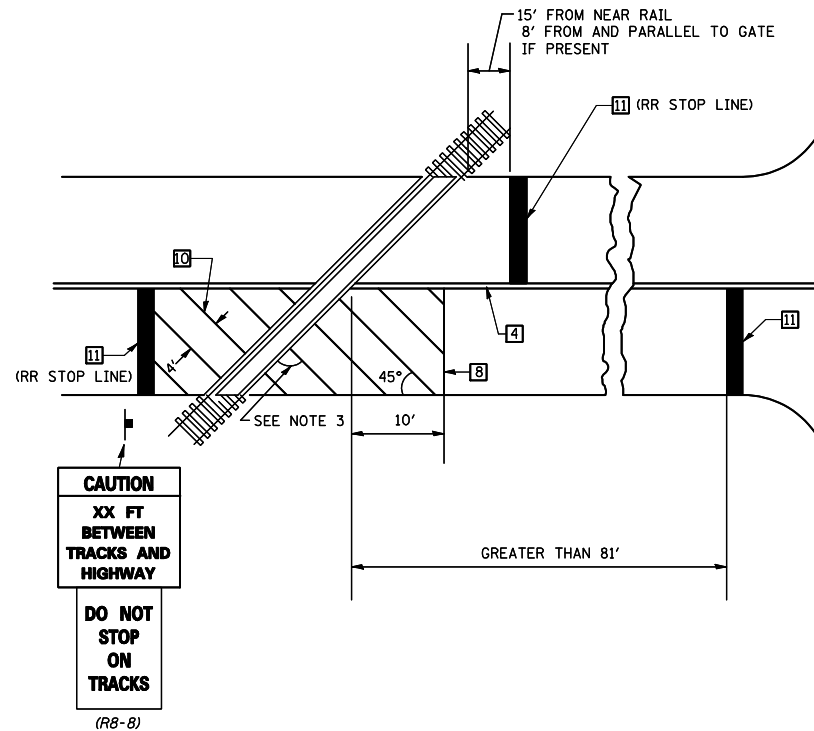
APPROXIMATELY 15' (4.5 m) OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

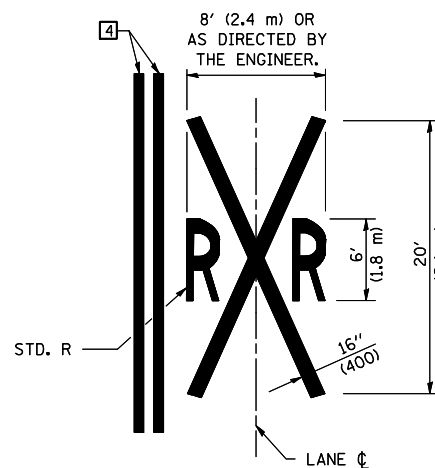
* Minimum Distance
400' for 55 MPH
250' for 45 MPH
100' for 35 MPH or Less



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED - 11/06
ct:\pw\work\p\dot\bucklesjj\d0170848\0570507-sht-details.dgn		DRAWN -	REVISED -
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	PLOT DATE = 12/9/2009	DATE -	REVISED -

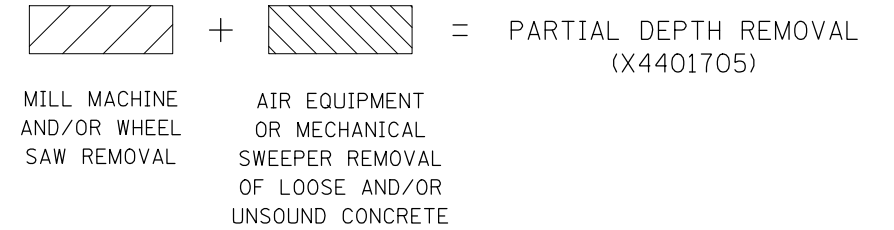
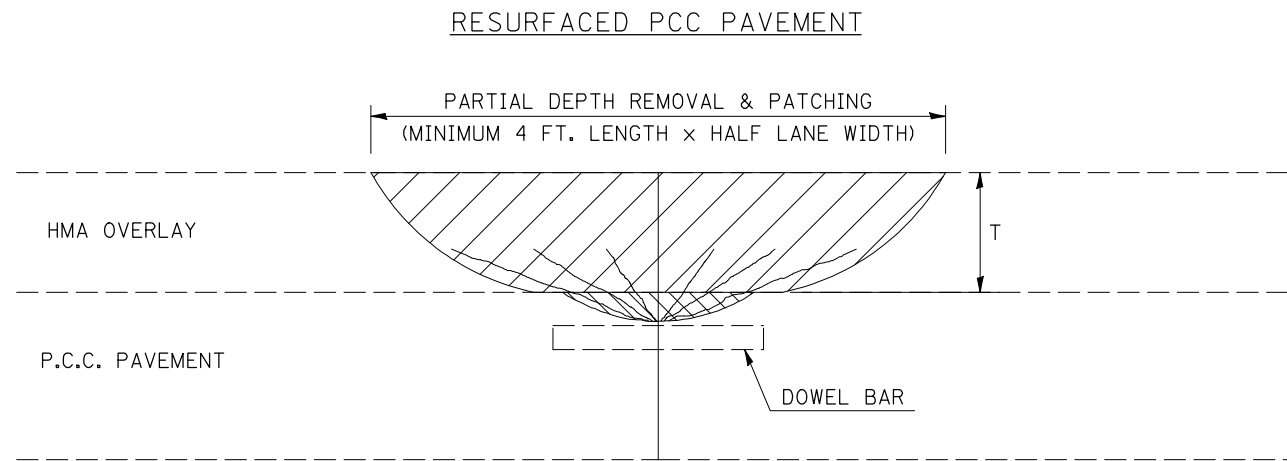
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

SCALE: SHEET NO. 4 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	76
*101,102X,RS-2 & 55RS-PRK LN CONTRACT NO. 70507				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



GENERAL NOTES

ALL VOLUME OF PARTIAL DEPTH REMOVAL SHALL BE REPLACED WITH HOT-MIX ASPHALT (HMA) AND PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR PARTIAL DEPTH PATCHING.

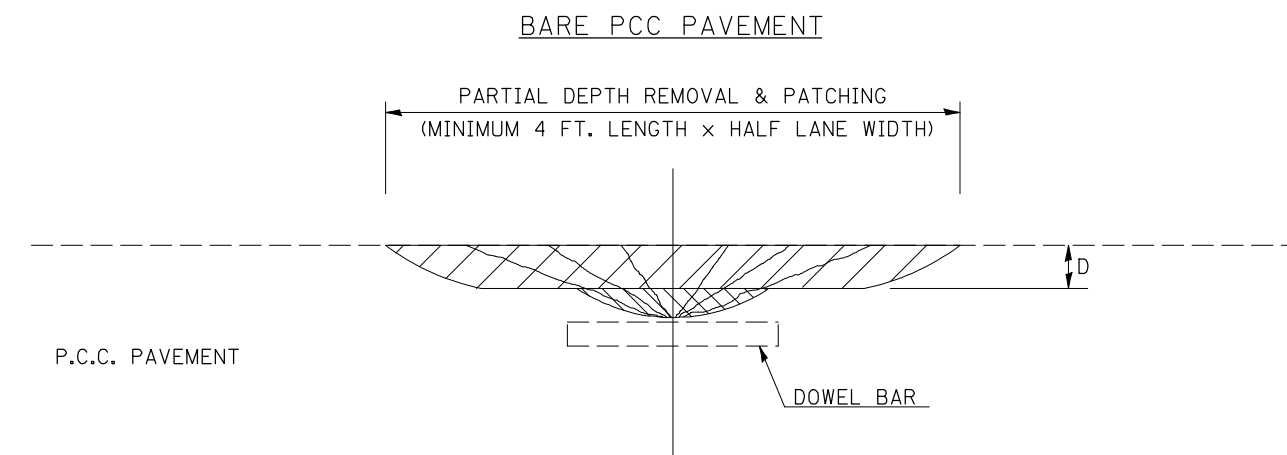
T = THICKNESS OF HMA OVERLAY(S). SEE EXISTING TYPICAL CROSS SECTION.

GENERAL NOTE 406H SHALL INCLUDE MIXTURE REQUIREMENTS FOR PARTIAL DEPTH PATCHING.

HMA REPLACEMENT IN RESURFACED PCC PAVEMENT LOCATIONS SHALL BE ACCORDING TO SECTION 406 OF THE STANDARD SPECIFICATIONS.

TRANSVERSE CONTRACTION JOINT SHOWN - OTHER LOCATIONS SIMILAR.

DEPTH OF PARTIAL DEPTH REMOVAL SHALL BE TO SURFACE OF EXISTING PCC PAVEMENT.



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. XX442100

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED - 11/06
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	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/9/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

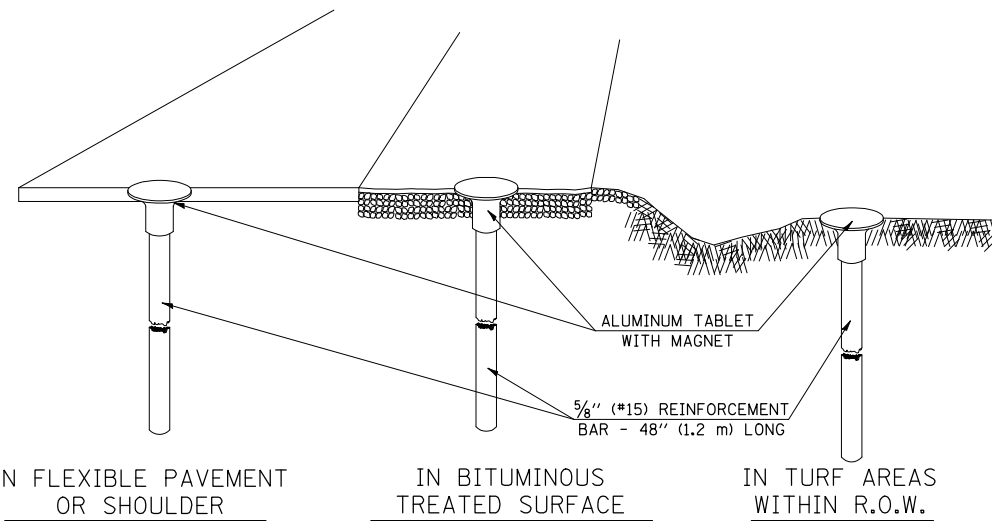
PCC PARTIAL DEPTH HOT-MIX ASPHALT PATCHING

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	77
*101,102X,RS-2 & 55RS-PRK LN		CONTRACT NO. 70507		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3/4" (83 mm) CONVEX SURVEY CAP FOR 5/8" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1 1/2" (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

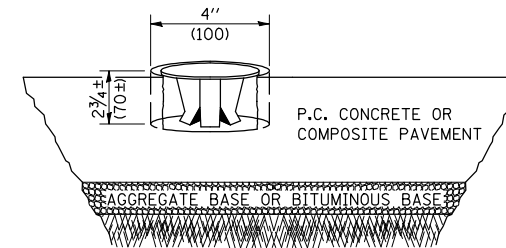
SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE 5/8" (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR 5/8" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

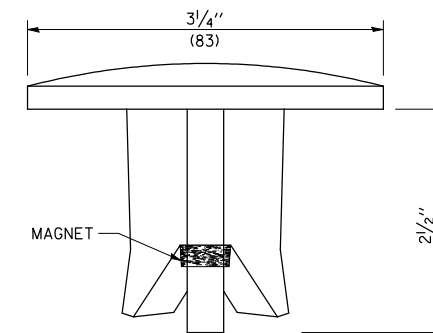
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



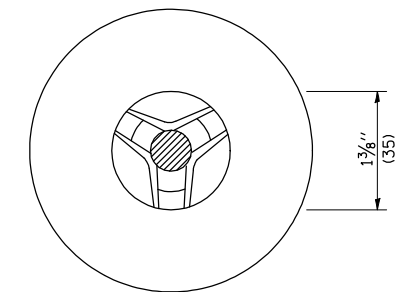
SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE 3/4" (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A 2 1/2" (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD 19,000-21,000 PSI (131-145 MPa); TENSILE 38,000-44,000 PSI (262-303 MPa); ELONGATION 10-15% [IN 2" (50 mm)]. SPECIFICATIONS: ALLOY 535.0; QQ-A-601ES. NO EXCEPTIONS.



SIDE VIEW



BOTTOM VIEW

THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

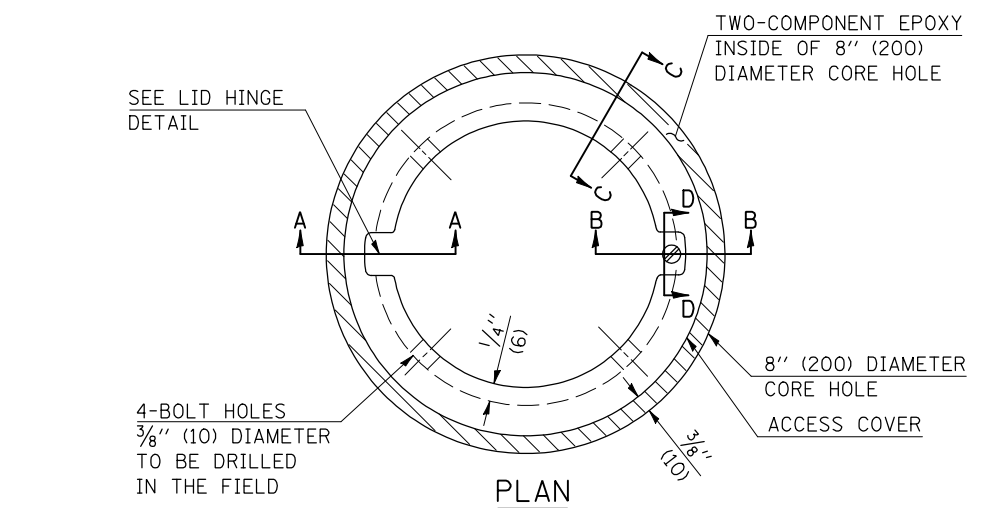
- WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
- THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
- THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
- THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND ALL LABOR AND MATERIAL TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
- ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

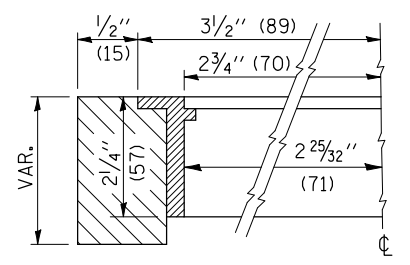
DISTRICT 5 DETAIL NO. XZ193AAA

FILE NAME =	USER NAME = bucklesj	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SURVEY MARKERS TYPE 1 & 2 (SPECIAL)			F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\bucklesj\0170848\0570507-sh1-details.dgn	PLOT SCALE = 40.0000 ' / IN.	DRAWN -	REVISED -					315	*	McLean	115	78
	PLOT DATE = 12/9/2009	CHECKED -	REVISED -		*101,102X,RS-2 & 55RS-PRK LN				CONTRACT NO. 70507			
		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

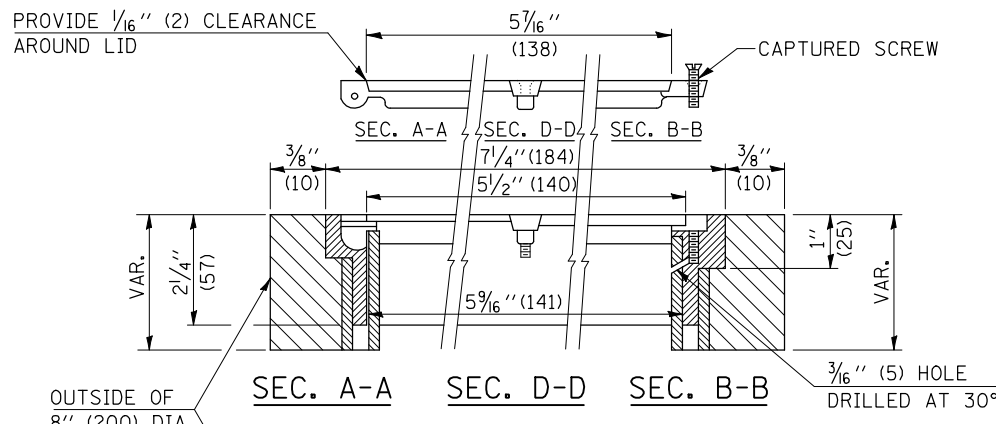
TO BE INSTALLED IN ALL PAVEMENT TYPES FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S) AND LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)



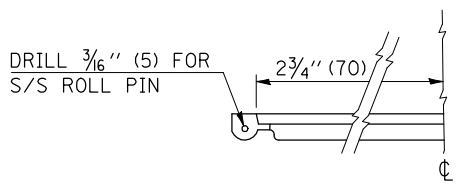
- LEGEND**
- ALUMINUM CASTING
 - 5" (125) OR 6" (150) P.V.C. PIPE
 - TWO-COMPONENT EPOXY



SECTION C-C



ELEVATION



LID HINGE DETAIL

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; Q0-A-601Es. NO EXCEPTIONS.

BILL OF MATERIAL	
ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 4 EACH - 5/16" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).	

GENERAL NOTES

1. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
2. THE SURVEY MONUMENT COVER ASSEMBLY SHALL BE CENTERED ABOVE THE SURVEY MONUMENT TO BE PROTECTED.
3. MODIFICATION OF THE ALUMINUM CASTING SHALL BE DONE BY GRINDING OR SAWING WHEN HEIGHT REDUCTION IS REQUIRED.
4. ALL SURVEY MONUMENT COVER ASSEMBLIES SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
5. ALUMINUM CASTING SHALL BE PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE WHEN AN INCREASE IN HEIGHT IS REQUIRED.
6. THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
7. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MONUMENT COVER ASSEMBLY WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING THE NEW PAVEMENT SURFACE AND EPOXY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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	PLOT DATE = 12/9/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SURVEY MONUMENT COVER ASSEMBLY

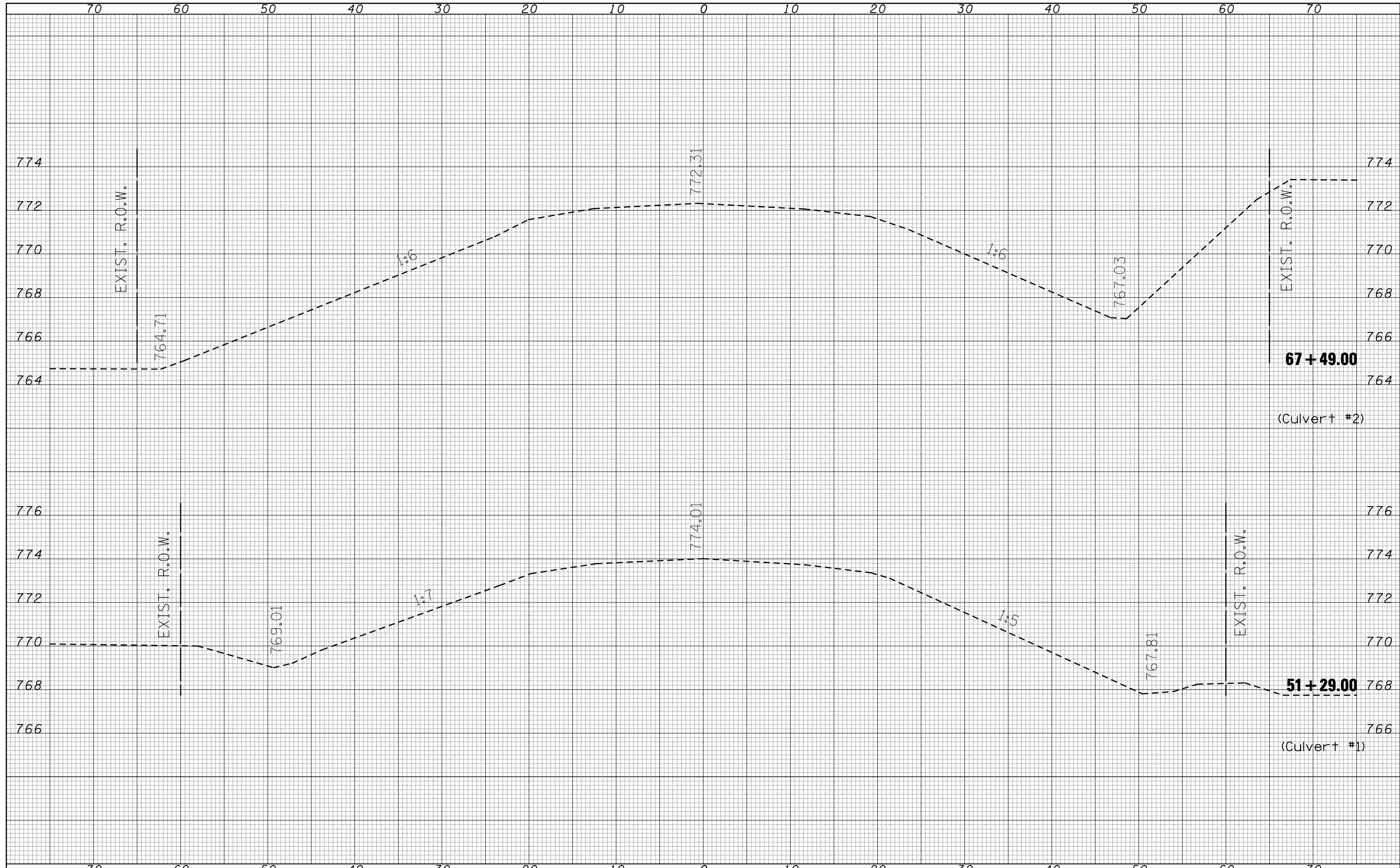
SCALE: SHEET NO. OF SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. Z0070100

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	79
*101,102X,RS-2 & 55RS-PRK LN CONTRACT NO. 70507				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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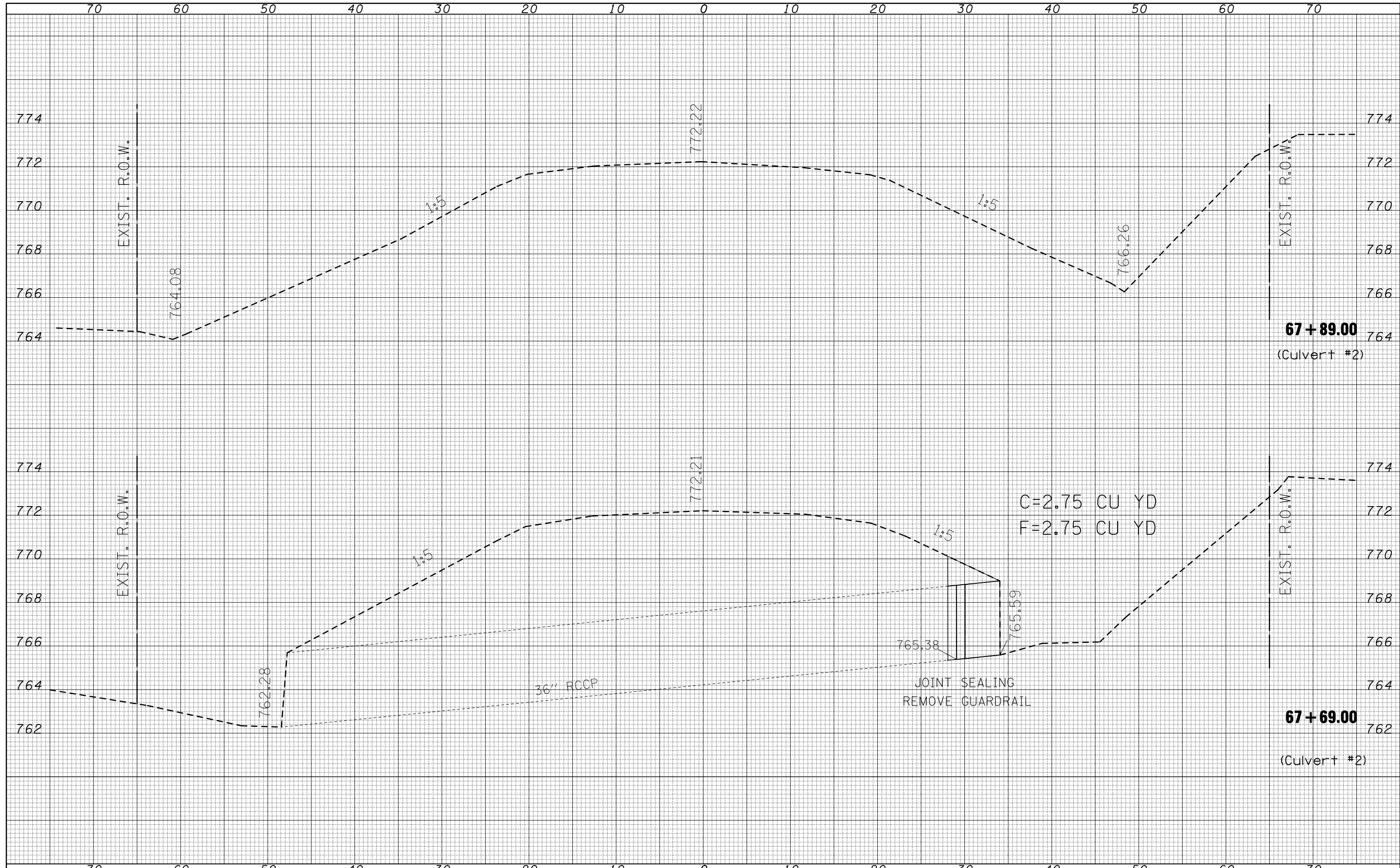
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 136
 CULVERT CROSS SECTIONS**
 SCALE: SHEET NO. OF SHEETS STA. 51+29.00 TO STA. 67+49.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	81
*101,102X(R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507	
ILLINOIS FED. AID PROJECT				

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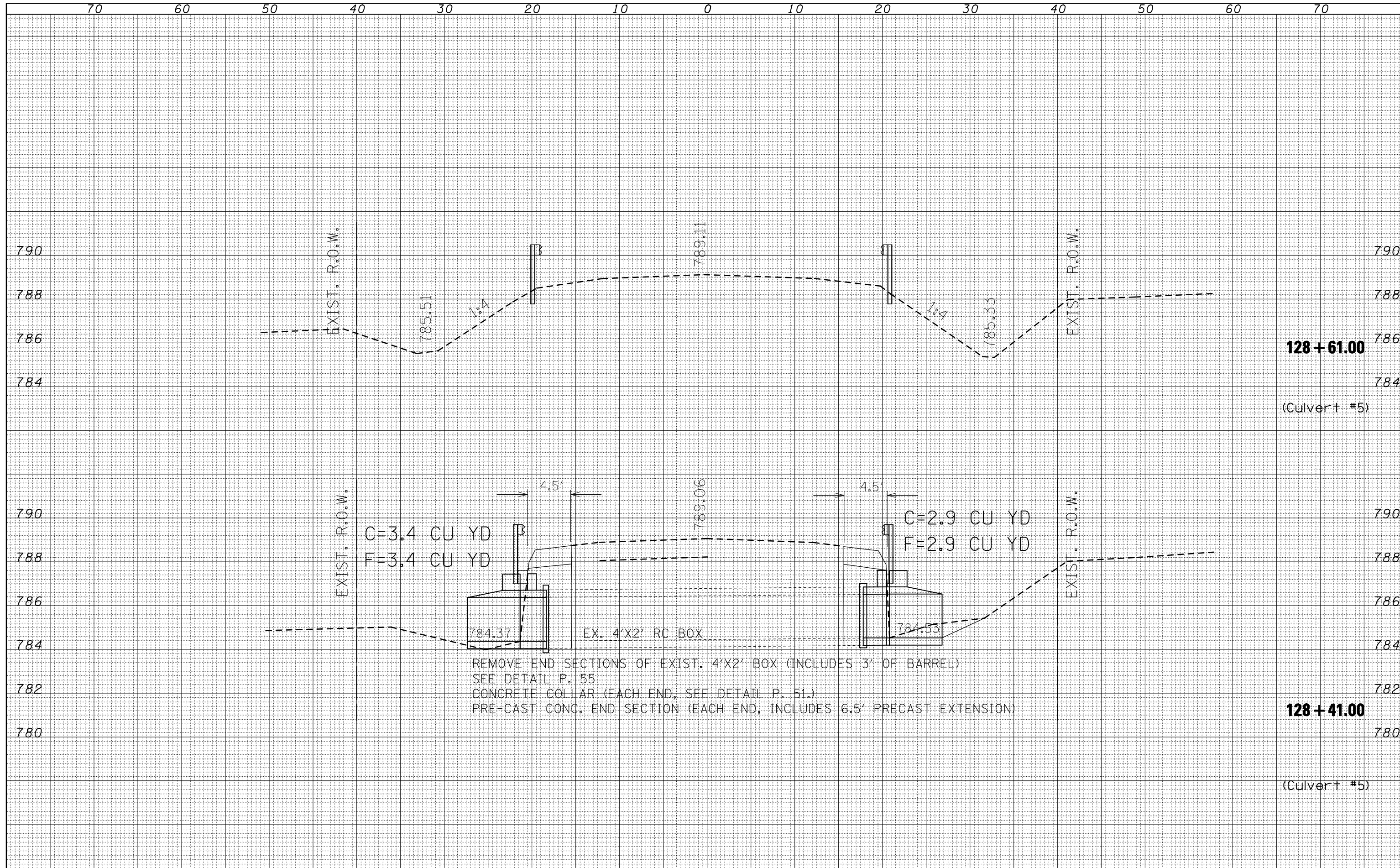
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 136
 CULVERT CROSS SECTIONS**
 SCALE: SHEET NO. OF SHEETS STA. 67+69.00 TO STA. 67+89.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	82
•(101,102)R,RS-2 & 55RS-PRK LN		CONTRACT NO. 70507		
ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

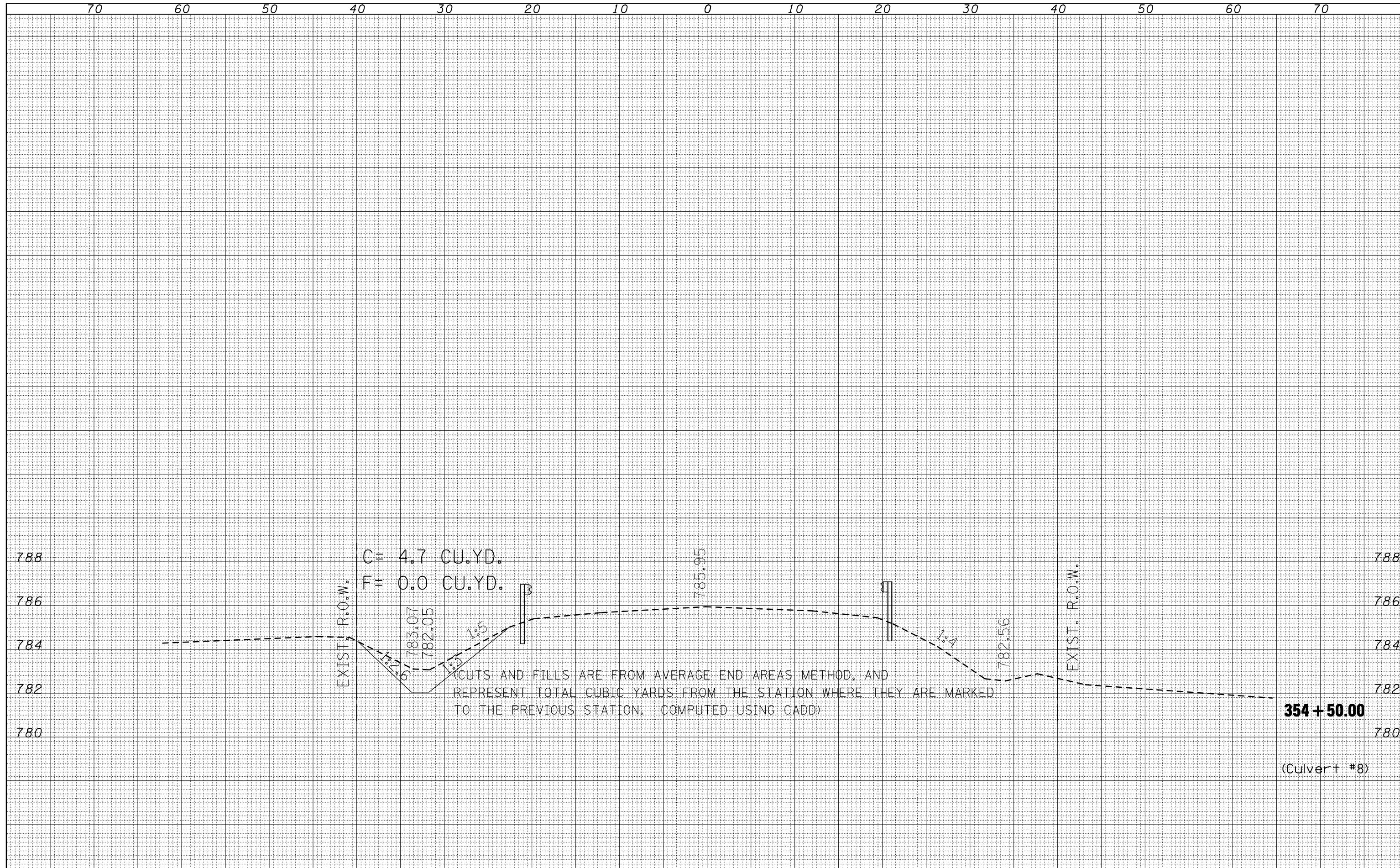
**US 136
CULVERT CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 128+41.00 TO STA. 128+61.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	85
*101,102X)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507	
ILLINOIS FED. AID PROJECT				

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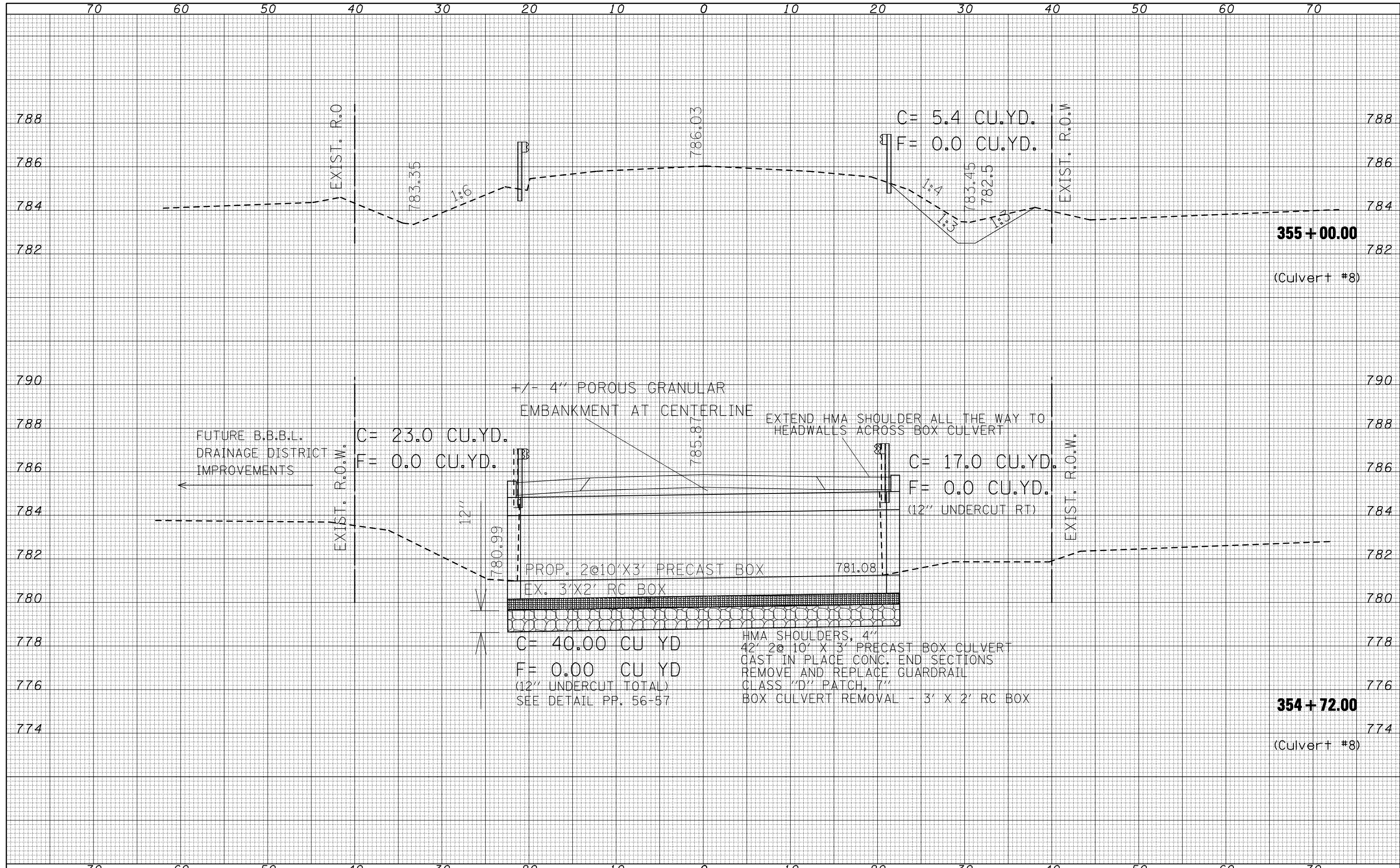
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 136
 CULVERT CROSS SECTIONS**
 SCALE: SHEET NO. OF SHEETS STA. 354+50.00 TO STA. 354+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	89
*101,102XR,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507	
ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

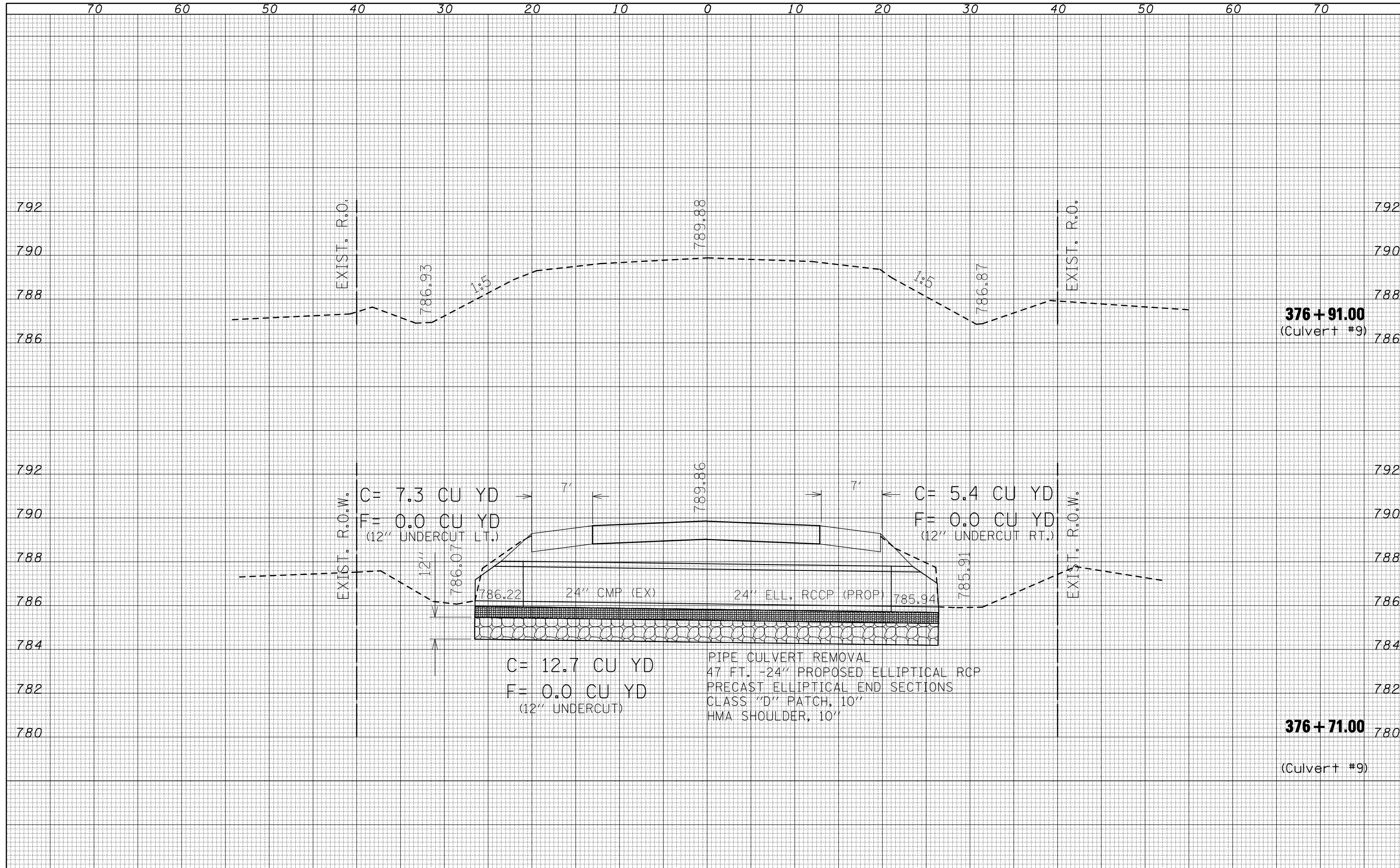
**US 136
CULVERT CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 354+72.00 TO STA. 355+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	90
*101,102XR,RS-2 & 55RS-PRK LN		CONTRACT NO. 70507		
ILLINOIS FED. AID PROJECT				

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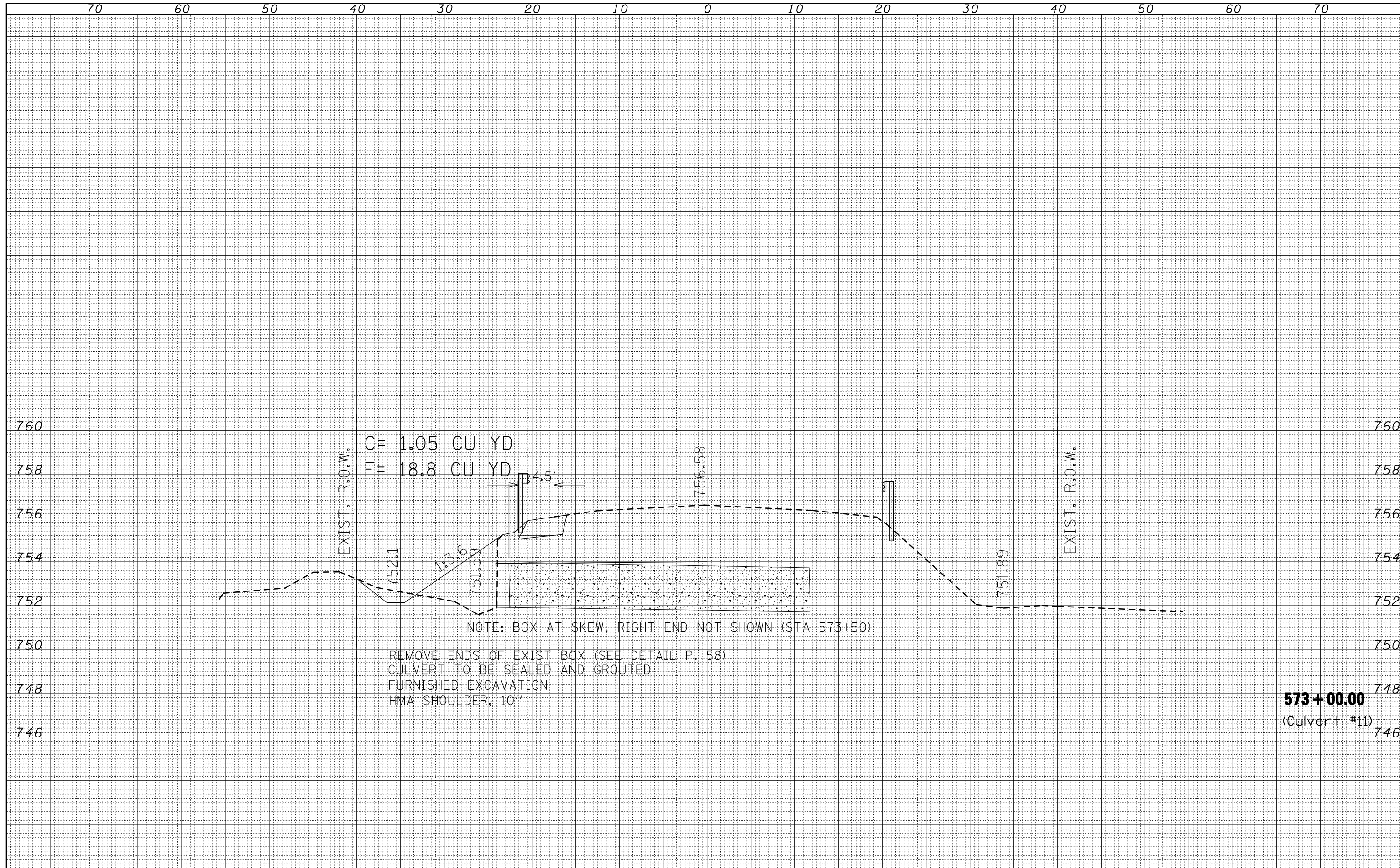
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 136
 CULVERT CROSS SECTIONS**
 SCALE: SHEET NO. OF SHEETS STA. 376+71.00 TO STA. 376+91.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	94
*101,102XR,RS-2 & 55RS-PRK LN CONTRACT NO. 70507				
ILLINOIS FED. AID PROJECT				

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NOTE: BOX AT SKEW, RIGHT END NOT SHOWN (STA 573+50)

REMOVE ENDS OF EXIST BOX (SEE DETAIL P. 58)

CULVERT TO BE SEALED AND GROUTED

FURNISHED EXCAVATION

HMA SHOULDER, 10"

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

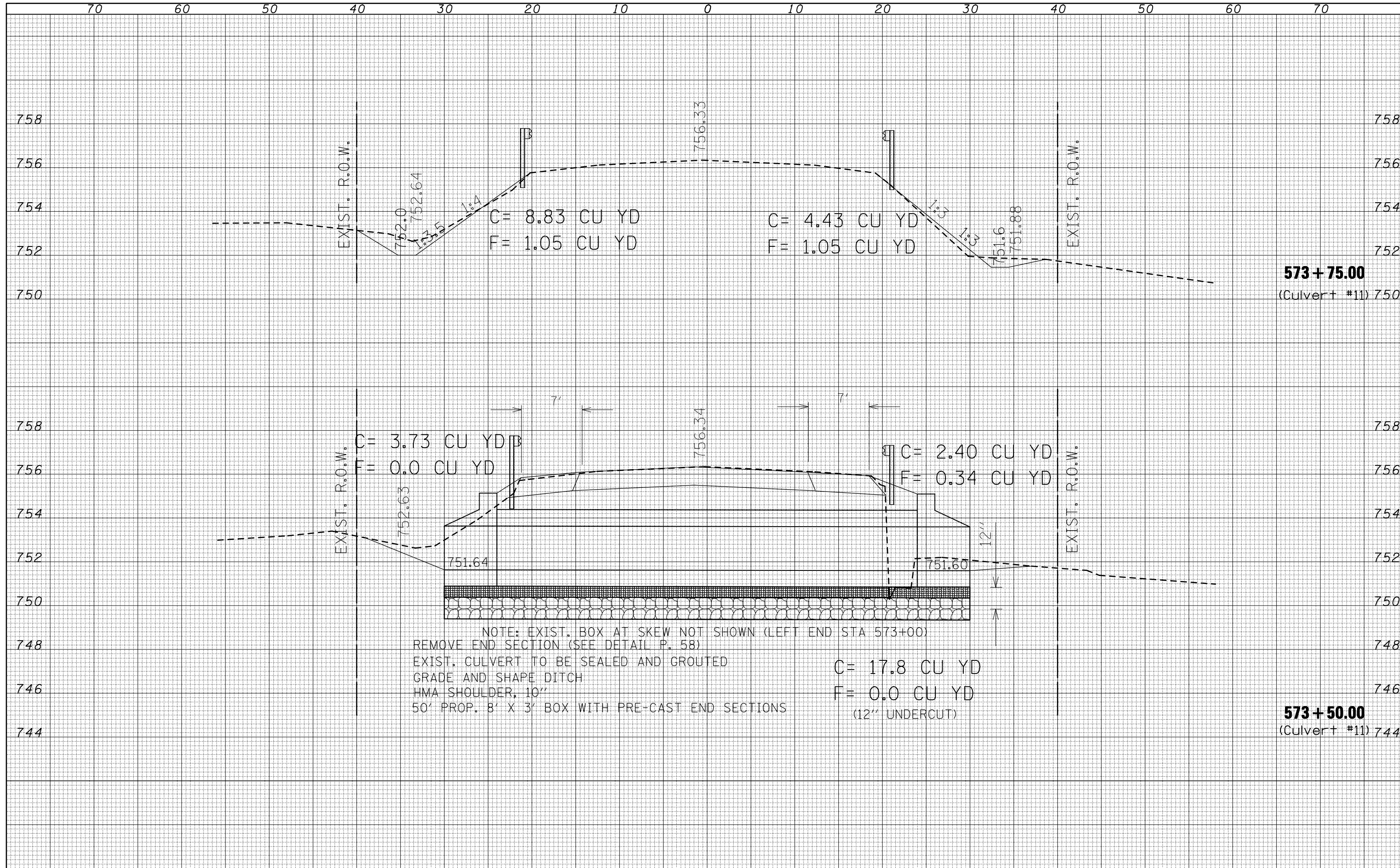
**US 136
 CULVERT CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 573+00.00 TO STA. 573+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	98
*101,102XIR,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507	
ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

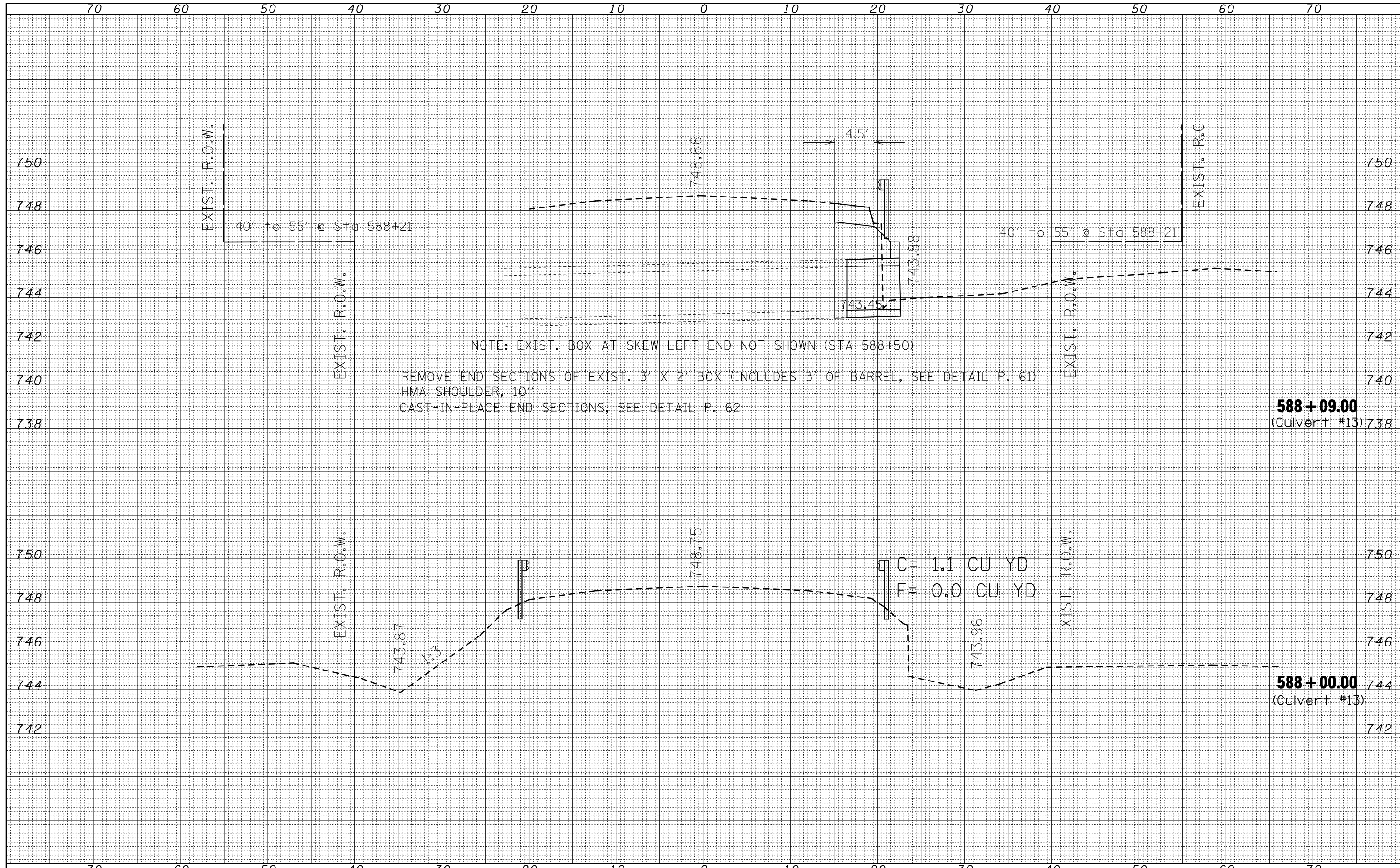
**US 136
CULVERT CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 573+50.00 TO STA. 573+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	100
*101,102XR,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507	
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

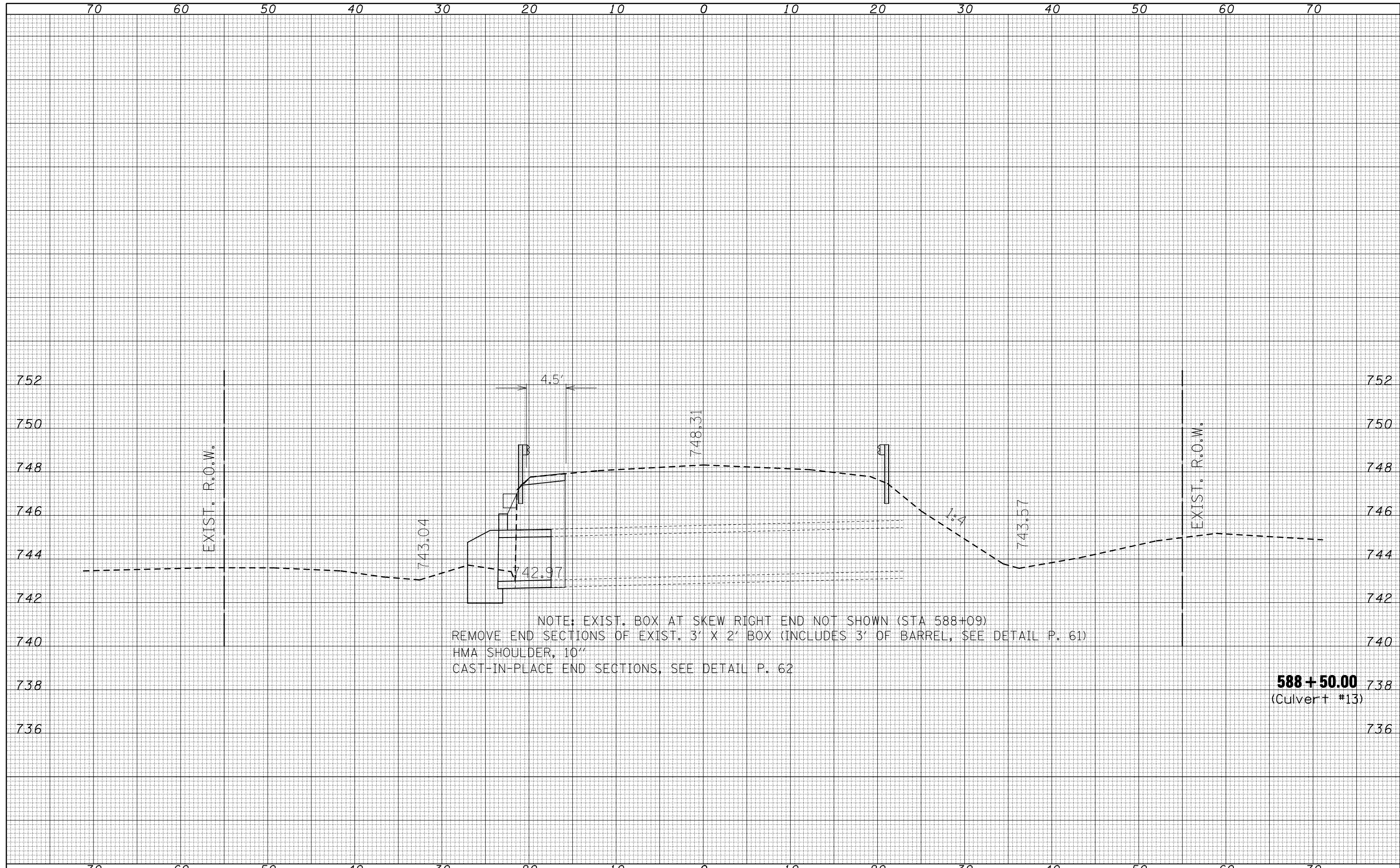
US 136
CULVERT CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 588+00.00 TO STA. 588+09.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	108
*101,102XR,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507	
ILLINOIS FED. AID PROJECT				

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NOTE BOOK	
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NOTE: EXIST. BOX AT SKEW RIGHT END NOT SHOWN (STA 588+09)
 REMOVE END SECTIONS OF EXIST. 3' X 2' BOX (INCLUDES 3' OF BARREL, SEE DETAIL P. 61)
 HMA SHOULDER, 10"
 CAST-IN-PLACE END SECTIONS, SEE DETAIL P. 62

588 + 50.00
 (Culvert #13)

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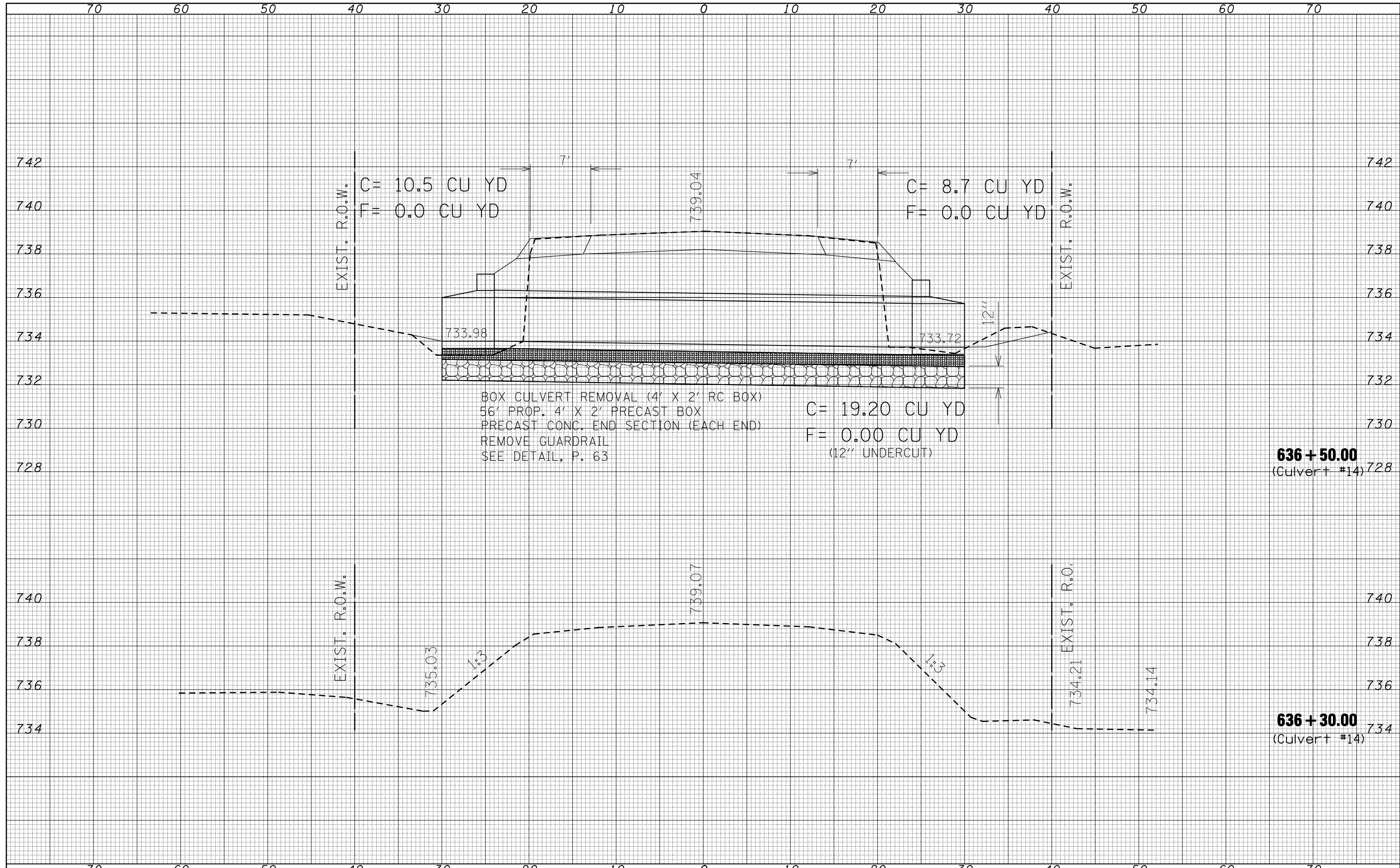
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 136
 CULVERT CROSS SECTIONS**
 SCALE: SHEET NO. OF SHEETS STA. 588+50.00 TO STA. 588+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	110
*101,102XR,RS-2 & 55RS-PRK LN CONTRACT NO. 70507				
ILLINOIS FED. AID PROJECT				

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636 + 50.00
(Culvert #14) 728

636 + 30.00
(Culvert #14) 734

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PLOT DATE = 12/9/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET NO. OF SHEETS STA. 636+30.00 TO STA. 636+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	*	McLean	115	114
•(101,102)R,RS-2 & 55RS-PRK LN			CONTRACT NO. 70507	
ILLINOIS FED. AID PROJECT				

