

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

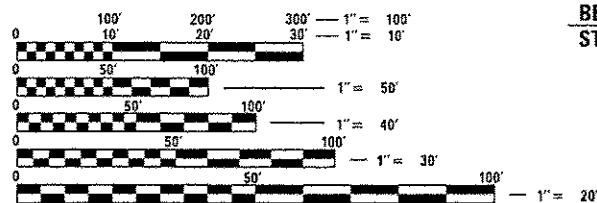
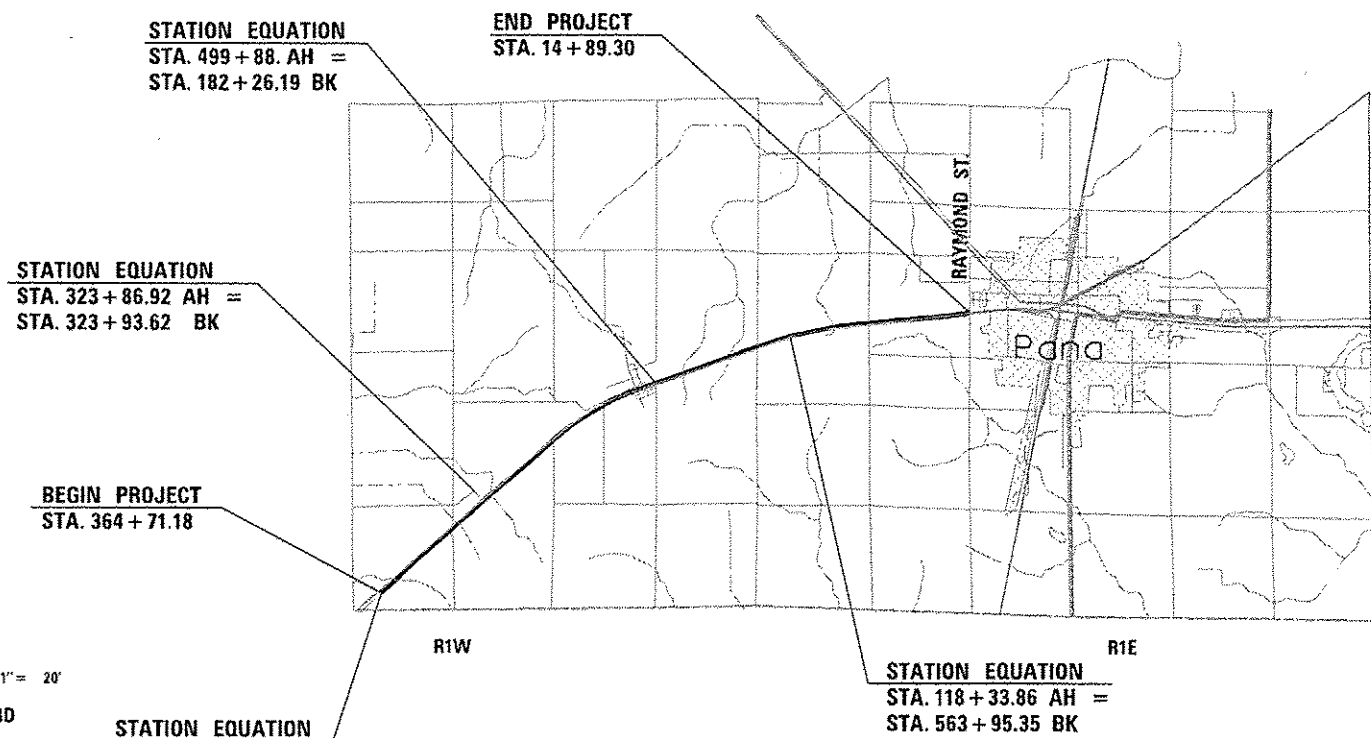
FOR INDEX OF SHEETS, SEE SHEET NO. 2

HIGHWAY STANDARDS

000001-06	701006-05
001006	701301-04
630001-10	701306-03
630101-09	701311-03
635006-03	701326-04
635011-02	701901-03
642006	780001-04
701001-02	781001-03

FAP ROUTE 325 (IL 16)
SECTION ((15)RS-5, (16)RS-4) I-1
PROJECT ACNHPP-ACHSIP-0325 (061)
RESURFACING
CHRISTIAN COUNTY

C-96-024-11



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

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

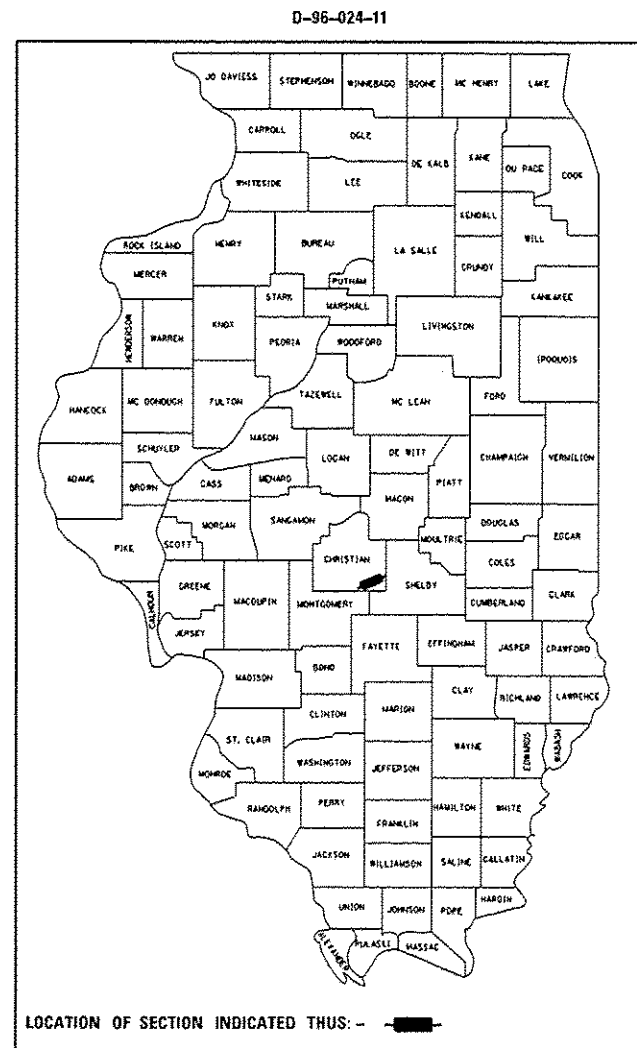
PROJECT ENGINEER - KEITH DONOVAN (217)782-4761
TEAM ENGINEER - ED KERN (217)524-7547

GROSS LENGTH = 34,959.5 FT. = 6.62 MILE
NET LENGTH = 34,959.5 FT. = 6.62 MILE

CONTRACT NO. 72E04

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		CHRISTIAN	28	1
		ILLINOIS	CONTRACT NO. 72E04	

* ((15)RS-5, (16)RS-4) I-1



CHRISTIAN COUNTY: IL-16
ADT = 2,050 (2013)
PV = 1,890 (92.2%)
SU = 90 (4.4%)
MU = 70 (3.4%)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED August 13, 2014
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Oct 17, 2014
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Oct 17, 2014
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED. ANY DAMAGE TO THE UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE, INCLUDING TEMPORARY REPAIRS WHICH MAY BE REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPECIAL ATTENTION SHOULD BE GIVEN TO THE AREA ADJACENT TO THE APPROACH PAVEMENT WHERE FRENCH DRAINS ARE TO BE CONSTRUCTED.
- THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE. ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTIONS PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS/CU YD
BITUMINOUS MATERIAL (PRIME COAT) ON MILLED SURFACES	0.05	LB/SQ FT
FOG COAT	0.025	LB/SQ FT
HOT-MIX ASPHALT SURFACE COURSE	112	LBS/SQ YD*IN
HOT-MIX ASPHALT BINDER COURSE	112	LBS/SQ YD*IN
- ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- UNLESS NOTED OTHERWISE, STATIONS AND OFFSETS REFER TO CENTERLINE OF PROJECT.
- IN ADDITION TO FIELD SURVEYS AND AERIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- IN SOME AREAS, THE EXISTING EARTH SHOULDER MAY BE HIGHER THAN THE CONSTRUCTED HMA SHOULDER. IN THIS CASE, THE CONTRACTOR SHALL TRIM THE EARTH SHOULDER TO KEEP POSITIVE DRAINAGE OFF THE PAVEMENT. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF HMA SHOULDERS, 8".
- IT IS THE INTENT OF THE PLANS THAT THE PROPOSED HMA SHOULDERS, 8" BE PLACED THROUGH ALL EXISTING HMA SIDE ROADS AND ENTRANCES. HOWEVER, IF A SIDE ROAD OR ENTRANCE IS CONCRETE, THE CONCRETE SHALL REMAIN IN PLACE. THIS REMOVAL WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EXCAVATING AND GRADING EXISTING SHOULDERS
- IT IS THE INTENT OF THE DESIGNER THAT THE PROPOSED HMA SHOULDERS BE CONSTRUCTED AT A THICKNESS OF 8 INCHES, TO ACHIEVE THIS, THE CONTRACTOR MAY NEED TO ADJUST THE REMOVAL DEPTH OF THE EXISTING HMA SHOULDER. DURING OPERATIONS FOR EXCAVATING AND GRADING EXISTING SHOULDER AND/OR PAVED SHOULDER REMOVAL.
- PRIOR TO MILLING, THE RE SHALL MARK NPZ LOCATIONS. ALSO, NPZ SHALL BE FIELD VERIFIED BY OPS 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS

COMMITMENTS:

THE FIELD/RESIDENT ENGINEER SHALL CONTACT STUDIES AND PLANS COVERING ANY MAJOR PLAN CHANGES TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN, AND TO ALLOW IMPROVED DESIGN FOR THE FUTURE.

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES, INDEX OF SHEETS
- 3-5 SUMMARY OF QUANTITIES
- 6-7 TYPICAL SECTIONS
- 8-11 SCHEDULE OF QUANTITIES
- 12-23 PLAN SHEETS
- 24 STRUCTURES 011-2011 & 011-2012 PLAN SHEET
- 25-28 DETAIL SHEETS

The following mixture requirements are applicable for this project:

Mixture Number	1	2	3	4
Mixture Use(s)	SURFACE	BINDER	HMA SHLDR (BOTTOM LIFTS)	HMA SHLDR (TOP 1.5") & INCIDENTAL SURFACE
AC/PG:	PG64-22	PG64-22	PG64-22	PG64-22
Design Air Voids:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
Mixture Composition: (Gradation Mixture)	IL 9.5	IL 19.0	IL 19.0	IL 9.5
Friction Aggregate:	MIX "C"	N/A	N/A	MIX "C"
Quality Management:	QCP	QCP	QC/QA	QC/QA

EXAMINED <u>July 29</u> 20 <u>14</u> <i>Ron Buchanan</i>
PROJECT IMPLEMENTATION ENGINEER
EXAMINED <u>August 5</u> 20 <u>14</u> <i>John P. M...</i>
PROGRAM DEVELOPMENT ENGINEER
DISTRICT SIX
EXAMINED <u>JULY 28th</u> 20 <u>14</u> <i>John C. W...</i>
OPERATIONS ENGINEER

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80%/20% FED/STATE ROADWAY	90%/10% SAFETY ROADWAY
				0005 RURAL	0021 RURAL
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	913		913
28100107	STONE RIPRAP, CLASS A4	SQ YD	8	8	
35800100	PREPARATION OF BASE	SQ YD	24	24	
40200600	AGGREGATE SURFACE COURSE, TYPE B	TON	32	32	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	17,247	17,247	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	75	75	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,457	1,457	
40600990	TEMPORARY RAMP	SQ YD	352	352	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	10,777	10,777	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	7,185	7,185	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	159	159	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	85,530	85,530	
44004250	PAVED SHOULDER REMOVAL	SQ YD	912		912
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	3,331		3,331

FILE NAME *	USER NAME * pricess	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
e:\pwork\p\dot\pricess\023988\0672	D4-sht-500.dgn	DRAWN -	REVISED -						325	*	CHRISTIAN	28	3
Default	PLOT SCALE * 100.0000 / 1 in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 72E04				
	PLOT DATE * Aug-14-2014 09:11:00PM	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80%/20% FED/STATE ROADWAY	90%/10% SAFETY ROADWAY
				0005 RURAL	0021 RURAL
48203100	HOT-MIX ASPHALT SHOULDERS	TON	12,538		12,538
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	1,500	1,500	
* 63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	100	100	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	10	10	
63200310	GUARDRAIL REMOVAL	FOOT	1,689	1,689	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	57,107		57,107
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1		1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	7,001	7,001	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	2,334	2,334	
* 78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	94,804	94,804	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	440	440	

* SPECIALTY ITEM

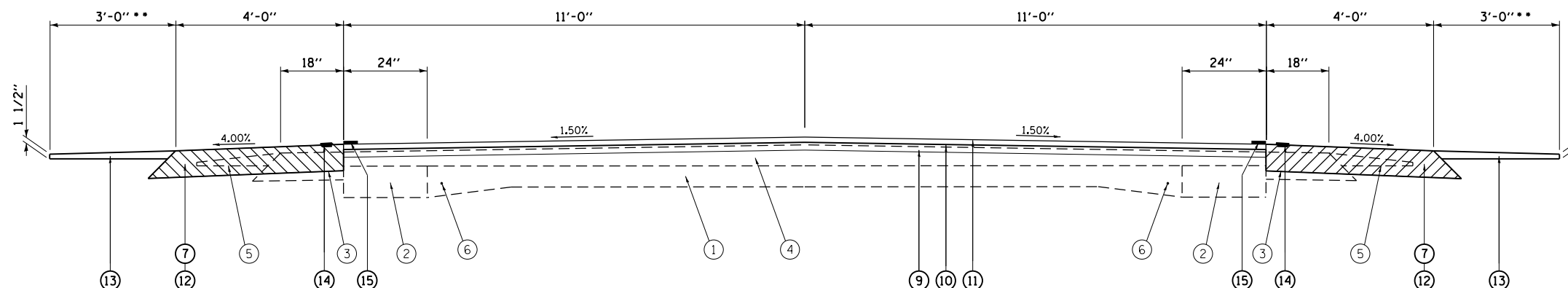
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80%/20% FED/STATE ROADWAY	90%/10% SAFETY ROADWAY
				0005	0021
				RURAL	RURAL
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	29	29	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	10	10	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	440	440
<input type="checkbox"/>	X0549200	CLEANING PAVED DITCH	FOOT	1,381	1,381
ϕ	Z0076600	TRAINEES	Hour	1000	1000
	X4402720	GUTTER REMOVAL (SPECIAL)	FOOT	15	15
ϕ	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	1000	1000

- * SPECIALTY ITEM
- Non - PART. (100% STATE)
- ϕ 0042

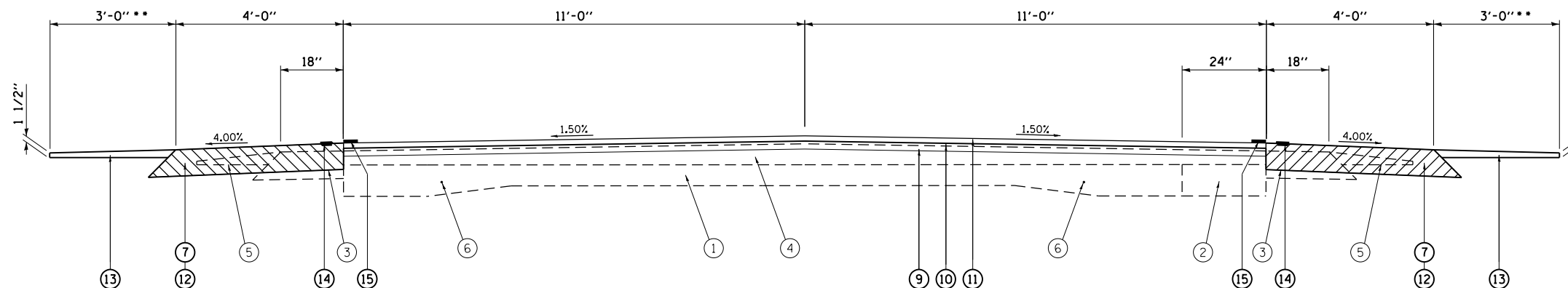
**ALL TYPICAL SECTIONS
LOOKING EAST**

•• AFTER CONSTRUCTION OF THE PROPOSED 4' HMA SHOULDER, SOME AREAS OF EXISTING EARTH SHOULDER MAY NOT BE WIDE ENOUGH TO ACCOMODATE THE PROPOSED 3' AGGREGATE SHOULDER. IN THESE AREAS, PLACE THE PROPOSED AGGREGATE SHOULDER AT THE AVAILABLE WIDTH.



TYPICAL SECTION
 STA. 364 + 71.18 TO STA. 323 + 93.62
 STATION EQUATION STA. 323 + 93.62 BK = STA. 323 + 86.92 AH
 STA. 323 + 86.92 TO STA. 182 + 26.19 ***
 STATION EQUATION STA. 182 + 26.19 BK = STA. 499 + 88.71 AH
 STA. 499 + 88.71 TO STA. 499 + 94.00
 STA. 563 + 94.00 TO 563 + 95.35
 STATION EQUATION STA. 563 + 95.35 BK = STA. 118 + 33.86 AH
 STA. 118 + 33.86 TO STA. 14 + 89.13

*** SEE NEXT SHEET FOR TYPICALS AT STRUCTURES 011-2011 & 011-2012



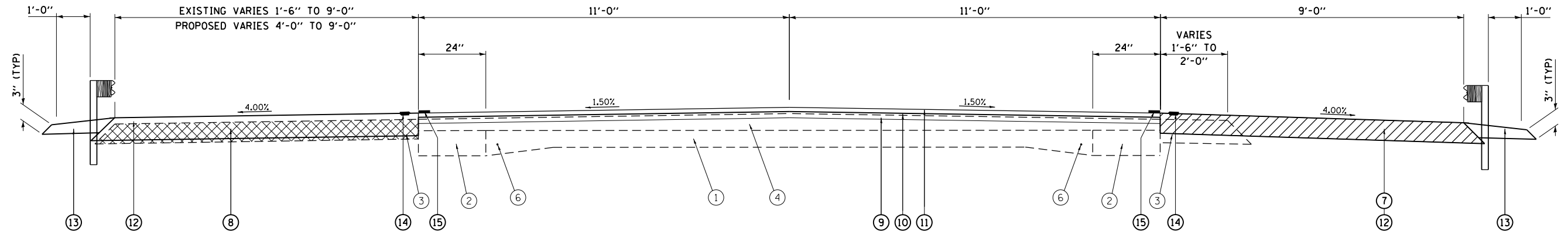
TYPICAL SECTION
 STA. 499 + 94.00 TO STA. 563 + 94.00

LEGEND

- | | |
|--|---|
| ① EXIST. P.C.C. PAVEMENT (9'-6"9") | ⑦ PROP. EXCAVATING AND GRADING EXISTING SHOULDER |
| ② EXIST. P.C.C. WIDENING (9') | ⑧ PROP. PAVED SHOULDER REMOVAL |
| ③ EXIST. BITUMINOUS SHOULDERS | ⑨ PROP. HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2" |
| ④ EXIST. BITUMINOUS SURFACE, 6" AND VARIES | ⑩ PROP. HOT-MIX ASPHALT BINDER COURSE 1L-19.0, N50 2 1/4" |
| ⑤ EXIST. AGG SHOULDERS | ⑪ PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 1 1/2" |
| ⑥ EXIST. SMOOTH BAR | ⑫ PROP. HOT-MIX ASPHALT SHOULDERS (8" THICK) |
| | ⑬ PROP. AGGREGATE WEDGE SHOULDER, TYPE "B" |
| | ⑭ PROP. SHOULDER RUMBLE STRIP 8" (PER STANDARD 642006) |
| | ⑮ PROP. MODIFIED UREATHANE PAVEMENT MARKING - LINE 5" |

FILE NAME =	USER NAME = pricesa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pw\work\p\dot\pricesa\d0239884\0672604-sht-typical.dgn		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	325	6
PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -									CHRISTIAN	28
PLOT DATE = Aug-14-2014 03:08:23PM		DATE -	REVISED -									CONTRACT NO.	72E04

•• AFTER CONSTRUCTION OF THE PROPOSED 4" HMA SHOULDER, SOME AREAS OF EXISTING EARTH SHOULDER MAY NOT BE WIDE ENOUGH TO ACCOMMODATE THE PROPOSED 3' AGGREGATE SHOULDER. IN THESE AREAS, PLACE THE PROPOSED AGGREGATE SHOULDER AT THE AVAILABLE WIDTH.



TYPICAL SECTION
AT
S.N. 011-2011 AND S.N. 011-2012

LEGEND

- | | |
|--|---|
| ① EXIST. P.C.C. PAVEMENT (9"-6"9") | ⑦ PROP. EXCAVATING AND GRADING EXISTING SHOULDER |
| ② EXIST. P.C.C. WIDENING (9") | ⑧ PROP. PAVED SHOULDER REMOVAL |
| ③ EXIST. BITUMINOUS SHOULDERS | ⑨ PROP. HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2" |
| ④ EXIST. BITUMINOUS SURFACE, 6" AND VARIES | ⑩ PROP. HOT-MIX ASPHALT BINDER COURSE IL-19.0, N50 2 1/4" |
| ⑤ EXIST. AGG SHOULDERS | ⑪ PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 1 1/2" |
| ⑥ EXIST. SMOOTH BAR | ⑫ PROP. HOT-MIX ASPHALT SHOULDERS (8" THICK) |
| | ⑬ PROP. AGGREGATE WEDGE SHOULDER, TYPE "B" |
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PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 72E04				
PLOT DATE = Aug-14-2014 03:08:23PM		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

HOT-MIX ASPHALT SURFACE REMOVAL				
LOCATION	PAVEMENT WIDTH (FOOT)	HMA SURF REM 1.5" (SQ YD)	HMA SURFACE REMOVAL BUTT JOINT (SQ YD)	
IL 16				
STA 364+71.18 TO STA 364+61.18	22		24.44	
STA 364+71.18 TO STA 323+93.62	22	9,967.37		
STA. 323+93.62 BK = STA. 323+86.92 AH				
STA 323+86.92 TO STA 182+26.19	22	34,615.12		
STA. 182+26.19 BK = STA. 499+88.71 AH				
STA 499+88.71 TO STA 563+95.35	22	15,660.68		
STA. 563+95.35 BK = STA. 118+33.86 AH				
STA 118+33.86 TO STA 14+89.30	22	25,286.70		
STA 14+99.30 TO STA 14+89.30	22		24.44	
TOTAL		85,529.9	48.9	

PAVING					
LOCATION	PAVEMENT WIDTH (FOOT)	PAVT AREA (SQ YD)	BIT MATL PR CT (POUND)	HMA BIND CSE 2.25" (TON)	HMA SURF COURSE, MIX "C" (TON)
IL 16					
STA 364+71.18 TO STA 323+93.62	22	9,967.37	6,727.97	1,255.89	837.26
STA. 323+93.62 BK = STA. 323+86.92 AH					
STA 323+86.92 TO STA 182+26.19	22	34,615.12	23,365.21	4,361.51	2,907.67
STA. 182+26.19 BK = STA. 499+88.71 AH					
STA 499+88.71 TO STA 563+95.35	22	15,660.68	10,570.96	1,973.25	1,315.50
STA. 563+95.35 BK = STA. 118+33.86 AH					
STA 118+33.86 TO STA 14+89.30	22	25,286.70	17,068.52	3,186.12	2,124.08
TOTAL			57,732.7	10,776.8	7,184.5

SHOULDER RUMBLE STRIP			
LOCATION		LENGTH (FOOT)	
IL 16			
STA 364+71.18 TO STA 323+93.62	LT/RT	8,155	
STA. 323+93.62 BK = STA. 323+86.92 AH			
STA 323+86.92 TO STA 182+26.19	LT/RT	28,321	
STA. 182+26.19 BK = STA. 499+88.71 AH			
STA 499+88.71 TO STA 563+95.35	LT/RT	12,813	
STA. 563+95.35 BK = STA. 118+33.86 AH			
STA 118+33.86 TO STA 14+89.30	LT/RT	20,689	
DEDUCT 12' FOR EVERY 60' (PER STD 642006)		11,074	
SIDEROAD, ENTRANCE (PE / CE) & MBTO DEDUCTION		1,798	
TOTAL		57,107	

AGGREGATE WEDGE SHOULDERS, TYPE B					
LOCATION	LT SHOULDER WIDTH (FT)	RT SHOULDER WIDTH (FT)	AVERAGE THICKNESS (IN)	AREA (SQ YD)	WEIGHT (TONS)
IL 16					
STA 364+71.18 TO STA 323+93.62	3	3	2.5	2,718.37	386.99
STA. 323+93.62 BK = STA. 323+86.92 AH					
STA 323+86.92 TO STA 182+26.19	3	3	2.5	9,440.49	1,343.96
STA. 182+26.19 BK = STA. 499+88.71 AH					
STA 499+88.71 TO STA 563+95.35	3	3	2.5	4,271.09	608.04
STA. 563+95.35 BK = STA. 118+33.86 AH					
STA 118+33.86 TO STA 14+89.30	3	3	2.5	6,896.37	981.77
STA 14+89.30 TO STA 13+87.72		3	2.5	33.86	4.82
STA 14+89.30 TO STA 13+84.76	3		2.5	34.85	4.96
TOTAL					3,330.5

HOT-MIX ASPHALT SHOULDERS							
LOCATION	OFFSET	PROPOSED SHOULDER WIDTH (FOOT)	HMA SHLDRS (8" THICK) (TONS)	BIT MATL PR CT (POUND)	EXCAV & GR EX SHLDS (UNIT)	PAVED SHOULDER REMOVAL (SO YD)	
IL 16							
STA 364+71.18 TO STA 323+93.62	LT/RT	4.0	1,623.78	2,446.54	81.60		
STA. 323+93.62 BK = STA. 323+86.92 AH							
STA 323+86.92 TO STA 310+19.00	RT/NS	4.0	272.37	410.38	13.70		
STA 310+19.00 TO STA 305+32.00	RT/NS	9.0	218.18	328.73		487.00	
STA 305+32.00 TO STA 286+95.00	RT/NS	4.0	365.77	551.10	18.40		
STA 286+95.00 TO STA 282+70.00	RT/NS	9.0	190.40	286.88		425.00	
STA 282+70.00 TO STA 182+26.19	RT/NS	4.0	1,999.83	3,013.14	100.40		
STA 323+86.92 TO STA 309+12.00	LT/SS	4.0	293.67	442.48	14.70		
STA 309+12.00 TO STA 306+58.00	LT/SS	9.0	113.79	171.45	2.50		
STA 306+58.00 TO STA 286+46.00	LT/SS	4.0	400.61	603.60	20.10		
STA 286+46.00 TO STA 283+91.00	LT/SS	9.0	114.24	172.13	2.60		
STA 283+91.00 TO STA 182+26.19	LT/SS	4.0	2,023.93	3,049.44	101.60		
STA. 182+26.19 BK = STA. 499+88.71 AH							
STA 499+88.71 TO STA 563+95.35	LT/RT	4.0	2,551.27	3,843.98	128.10		
STA. 563+95.35 BK = STA. 118+33.86 AH							
STA 118+33.86 TO STA 66+18.00	LT/RT	4.0	1,038.54	1,564.76	104.30		
STA 66+18.00 TO STA 59+41.00	LT/SS	4.0	134.80	203.10	6.80		
STA 66+18.00 TO STA 59+41.00	RT/NS	8.0	269.60	406.20	6.80		
STA 59+41.00 TO STA 14+89.30	LT/RT	4.0	886.38	1,335.51	206.90		
STA 14+89.30 TO STA 13+87.72	RT/NS	4.0	20.23	30.47	52.30		
STA 14+89.30 TO STA 13+84.76	LT/SS	4.0	20.82	31.36	52.30		
TOTAL			12,538.2	18,891.3	913.1	912.0	

RAISED REFLECTIVE PAVEMENT MARKER							
LOCATION	LANE LOCATION	COLOR	# OF REFL PER SPACING			TOTAL (EACH)	
IL 16							
STA 364+71.18 TO STA 323+93.62	CENTERLINE	AMBER	1	PER	80	51	
STA. 323+93.62 BK = STA. 323+86.92 AH							
STA 323+86.92 TO STA 182+26.19	CENTERLINE	AMBER	1	PER	80	178	
STA. 182+26.19 BK = STA. 499+88.71 AH							
STA 499+88.71 TO STA 563+95.35	CENTERLINE	AMBER	1	PER	80	81	
STA. 563+95.35 BK = STA. 118+33.86 AH							
STA 118+33.86 TO STA 14+89.30	CENTERLINE	AMBER	1	PER	80	130	
TOTAL						440	

78009005 - MODIFIED URETHANE PAVEMENT MARKING - LINE 5"							
LOCATION	LINE TYPE		YELLOW (FOOT)	WHITE (FOOT)			
IL 16							
STA 364+71.18 TO STA 323+93.62	EL	LT/RT		8155			
STA 364+71.18 TO STA 334+64.00	SD		752				
STA 334+64.00 TO STA 324+14.00	EB-NPZ		1313				
STA 324+14.00 TO STA 323+93.62	WB-NPZ		25				
STA. 323+93.62 BK = STA. 323+86.92 AH							
STA 323+86.92 TO STA 313+81.00	EL	RT/NS		1006			
STA 323+86.92 TO STA 314+89.00	EL	LT/SS		898			
STA 323+86.92 TO STA 311+97.00	WB-NPZ		1487				
STA 313+14.00 TO STA 292+98.00	EL	RT/NS		2016			
STA 314+17.00 TO STA 244+51.00	EL	LT/SS		6966			
STA 311+97.00 TO STA 245+68.00	SD		1657				
STA 292+23.00 TO STA 193+98.00	EL	NS		9825			
STA 245+68.00 TO STA 235+58.00	EB-NPZ		1263				
STA 245+85.00 TO STA 211+30.00	EL	LT/SS		3455			
STA 235+58.00 TO STA 233+58.00	SD		50				
STA 233+58.00 TO STA 226+33.00	WB-NPZ		906				
STA 226+33.00 TO STA 224+33.00	SD		50				
STA 224+33.00 TO STA 215+83.00	EB-NPZ		1063				
STA 215+83.00 TO STA 214+83.00	SD		25				
STA 214+83.00 TO STA 207+58.00	WB-NPZ		906				
STA 210+81.00 TO STA 193+87.00	EL	SS		1694			
STA 207+58.00 TO STA 182+26.19	SD		633				
STA 193+19.00 TO STA 182+26.19	EL	NS		1093			
STA 193+25.00 TO STA 188+17.00	EL	SS		508			
STA 187+73.00 TO STA 182+61.00	EL	SS		512			
STA. 182+26.19 BK = STA. 499+88.71 AH							
STA 499+88.71 TO STA 523+00.00	SD		578				
STA 499+88.71 TO STA 555+80.00	EL	NS		5591			
STA 500+49.00 TO STA 555+58.00	EL	SS		5509			
STA 523+00.00 TO STA 529+66.00	EB-NPZ		833				
STA 529+66.00 TO STA 540+06.00	WB-NPZ		1300				
STA 540+06.00 TO STA 558+47.00	SD		460				
STA 556+47.00 TO STA 563+95.35	EL	NS		748			
STA 556+32.00 TO STA 563+95.35	EL	SS		763			
STA 558+47.00 TO STA 563+95.35	EB-NPZ		685				
STA. 563+95.35 BK = STA. 118+33.86 AH							
STA 118+33.86 TO STA 67+03.00	EL	NS		5131			
STA 118+33.86 TO STA 67+22.00	EL	SS		5112			
STA 118+33.86 TO STA 112+51.00	EB-NPZ		729				
STA 112+51.00 TO STA 90+50.00	DBL-NPZ		4402				
STA 90+50.00 TO STA 69+75.00	SD		519				
STA 69+75.00 TO STA 54+29.00	DBL-NPZ		3092				
STA 66+35.00 TO STA 14+89.13	EL	SS		5146			
STA 66+39.00 TO STA 14+89.13	EL	NS		5150			
STA 54+29.00 TO STA 49+28.00	WB-NPZ		626				
STA 49+28.00 TO STA 27+00.00	SD		557				
STA 27+00.00 TO STA 16+25.00	EB-NPZ		1344				
STA 16+25.00 TO STA 14+89.13	DBL-NPZ		272				
TOTAL			25,526	69,278			
TOTAL				94,804			

EL = EDGE LINE, SD = SKIP DASH, EB-NPZ = NO PASSING ZONE WITH SOLID LINE IN THE EAST BOUND LANE
WB-NPZ = NO PASSING ZONE WITH SOLID LINE IN WEST BOUND LANE, DBL-NPZ = DOUBLE SOLID LINE

FILE NAME =	USER NAME = Verenski.f	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = Sep-15-2014 10:31:34AM	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
SCALE:						SHEET OF SHEETS	STA.	TO STA.	• (15)RS-5, (16)RS-4I-1		

MISCELLANEOUS										
LOCATION	• OFFSET	GUARDRAIL REM (FOOT)	SPBGR ATTACHED TO STRUCTURE (FOOT)	SPBGR 9' POST (FOOT)	TRAFFIC BARRIER TERM TY 1 SPECIAL (EACH)	TERMINAL MARKERS (EACH)	GUARDRAIL MARKERS TYPE A (EACH)	STONE RIPRAP CL A4 (SQ YD)	CLEANING PAVED DITCH (FOOT)	
IL 16										
STA 54+16.00 TO STA 52+60.00	LT/SS								156.0	
STA 58+00.00 TO STA 54+27.00	LT/SS								373.0	
STA 65+00.00 TO STA 64+90.00	LT/SS						8.3			
STA 66+62.00 TO STA 65+00.00	LT/SS								162.0	
STA 68+64.00 TO STA 67+04.00	LT/SS								160.0	
STA 59+39.00 TO STA 54+09.00	RT/NS								530.0	
STA 59+91.00 TO STA 59+41.00	RT/NS				1.0	1.0				
STA 66+18.00 TO STA 59+41.00	RT/NS	677.0								
STA 66+18.00 TO STA 65+68.00	RT/NS				1.0	1.0				
STA 65+68.00 TO STA 59+91.00	RT/NS			577.0			8.0			
SN 011-2011										
STA 307+07.5 TO STA 306+57.50	LT/SS				1.0	1.0				
STA 307+47.5 TO STA 307+07.50	LT/SS			40.0			1.0			
STA 307+72.5 TO STA 307+47.50	LT/SS		25.0				1.0			
STA 308+62.5 TO STA 307+72.50	LT/SS			90.0			2.0			
STA 309+12.0 TO STA 306+58.00	LT/SS	254.0								
STA 309+12.5 TO STA 308+62.50	LT/SS				1.0	1.0				
STA 305+82.0 TO STA 305+32.00	RT/NS				1.0	1.0				
STA 307+47.5 TO STA 305+82.00	RT/NS			165.5			3.0			
STA 307+72.5 TO STA 307+47.50	RT/NS		25.0				1.0			
STA 308+62.0 TO STA 306+08.00	RT/NS	254.0								
STA 309+69.0 TO STA 307+72.50	RT/NS			196.5			3.0			
STA 310+19.0 TO STA 309+69.00	RT/NS				1.0	1.0				
SN 011-2012										
STA 284+40.5 TO STA 283+90.50	LT/SS				1.0	1.0				
STA 284+81.5 TO STA 284+40.50	LT/SS			41.0			1.0			
STA 285+06.5 TO STA 284+81.50	LT/RT		25.0				1.0			
STA 285+96.5 TO STA 285+06.50	LT/SS			90.0			2.0			
STA 286+46.0 TO STA 283+92.00	LT/SS	254.0								
STA 286+46.5 TO STA 285+96.50	LT/SS				1.0	1.0				
STA 283+20.5 TO STA 282+70.50	RT/NS				1.0	1.0				
STA 284+81.5 TO STA 283+20.50	RT/NS			161.0			3.0			
STA 285+06.5 TO STA 284+81.50	RT/NS		25.0				1.0			
STA 285+96.0 TO STA 283+46.00	RT/NS	250.0								
STA 286+45.5 TO STA 285+06.50	RT/NS			139.0			2.0			
STA 286+95.5 TO STA 286+45.50	RT/NS				1.0	1.0				
TOTAL		1,689.0	100.0	1,500.0	10.0	10.0	29.0	8.3	1,381.0	

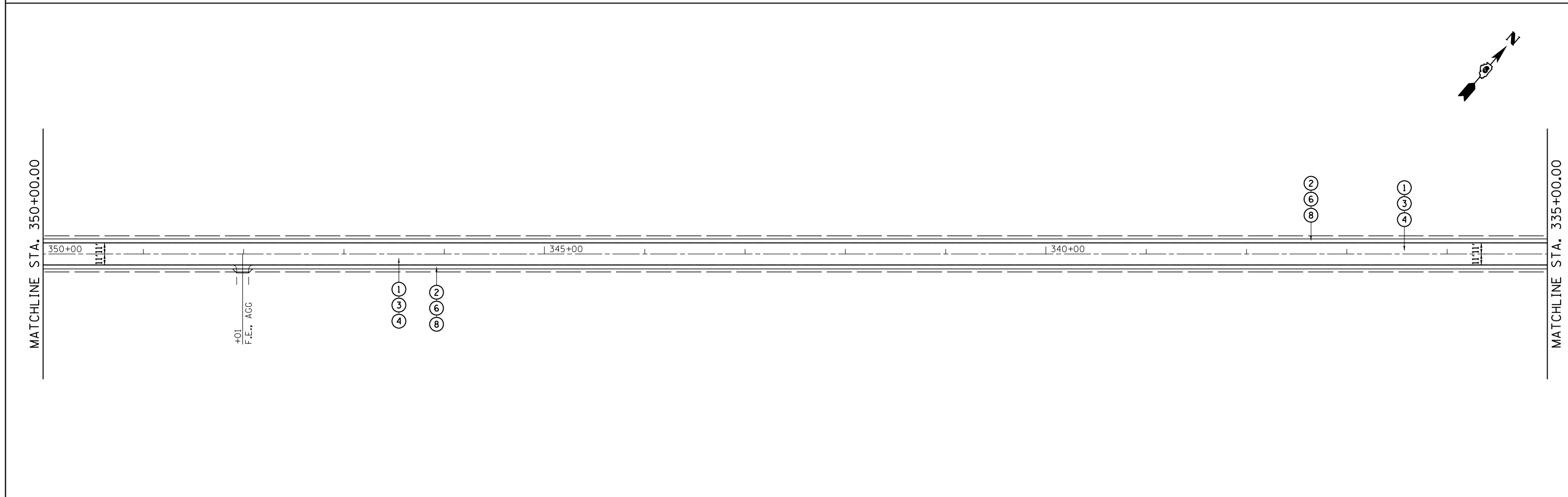
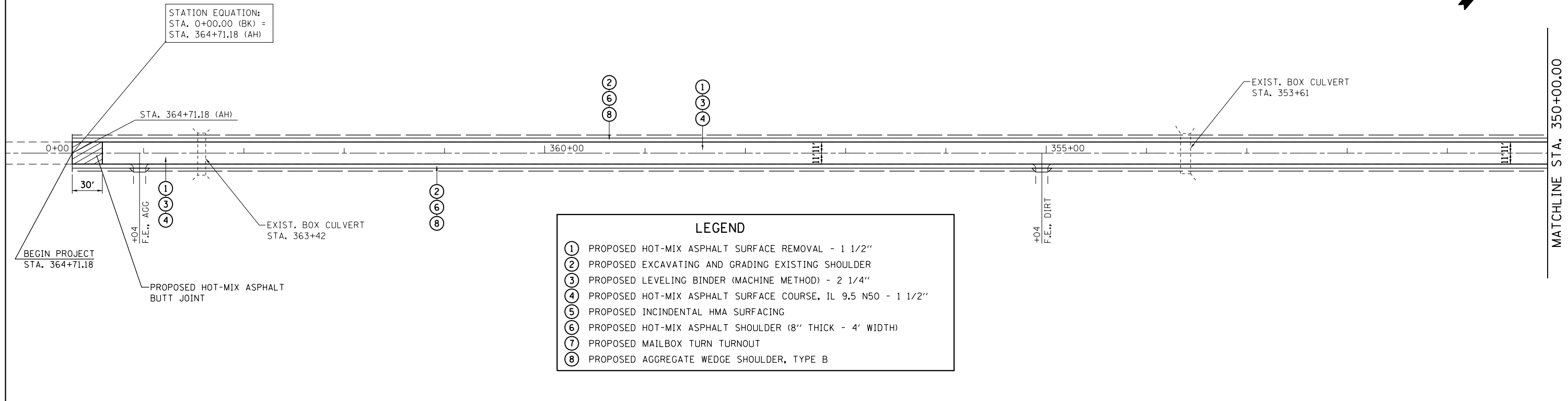
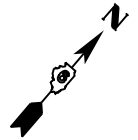
• NS = NORTH SIDE OF ROAD, SS = SOUTH SIDE OF ROAD

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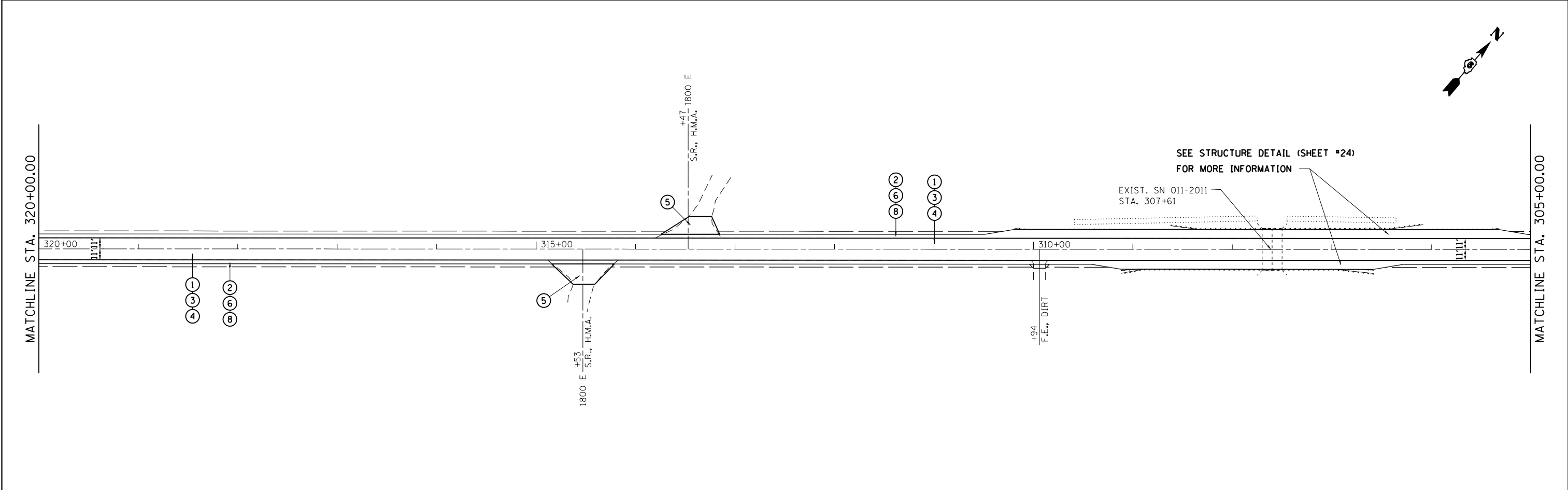
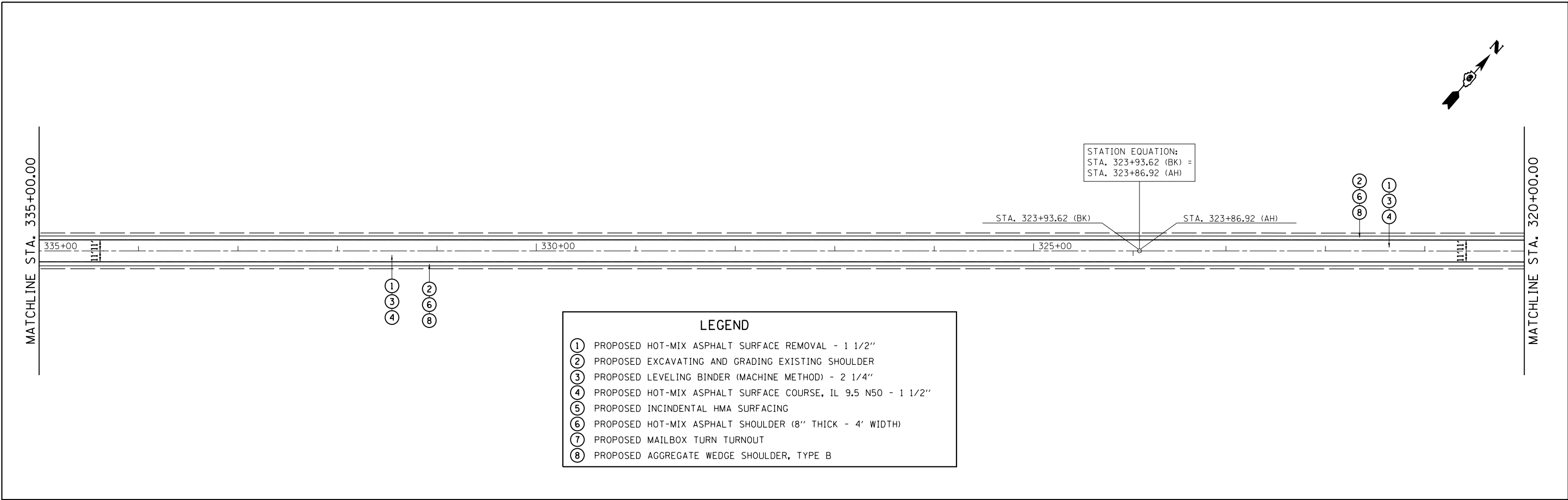
ENTRANCE IMPROVEMENT SCHEDULE										
LOCATION	• OFFSET	TYPE OF ENTRANCE	EX MATERIAL TYPE	ENTRANCE AREA BY CADD (SQ YD)	M. B. T. O. AREA BY CADD (SQ YD)	HMA SURFACE REMOVAL BUTT JOINT (SQ YD)	PREP OF BASE (SQ YD)	AGG. SURFACE COURSE TYPE B (TON)	BIT MATL PR CT (POUND)	INCIDENTAL HMA SURFACE (TON)
IL 16										
364+04	SS-LT	F. E.	AGG	7.1						
355+04	SS-LT	F. E.	DIRT	7.1						
348+01	SS-LT	F. E.	AGG	7.1						
STATION EQUATION = 323+93.62 BK = 323+86.92 AH										
314+53 (1800 E)	SS-LT	S. R.	HMA	96.3		96.3			43.3	10.8
313+47 (1800 E)	NS-RT	S. R.	HMA	80.2		80.2			36.1	9.0
309+94	SS-LT	F. E.	DIRT	7.1						
294+82	SS-LT	P. E.	HMA	23.3		23.3		2.9	10.5	2.6
294+42	NS-RT	M. B. T. O	HMA		11.0	11.0			5.0	1.2
292+61 (1825 E)	NS-RT	S. R.	HMA	16.8		16.8			7.6	1.9
269+20	SS-LT	C. E.	HMA	25.3		25.3			11.4	2.8
262+20	NS-RT	P. E.	AGG	13.7		13.7	13.7	1.7		2.7
244+17 (1900 E)	SS-LT	S. R.	HMA	45.1		45.1			20.3	5.1
228+57	NS-RT	M. B. T. O	HMA		14.7	14.7			6.6	1.6
228+57	SS-LT	P. E.	HMA	21.4		21.4		2.7	9.6	2.4
210+99 (1950 E)	SS-LT	S. R.	HMA	78.7		78.7			35.4	8.8
196+35	SS-LT	P. E.	HMA	65.6		65.6		5.5	29.5	7.3
193+59 (Rosamond Ave)	NS-RT	S. R.	HMA	108.3		108.3			48.7	12.1
193+56 (Rosamond Ave)	SS-LT	S. R.	HMA	75		75			33.8	8.4
190+77	SS-LT	P. E.	HMA	5.4		5.4		0.6	2.4	0.6
188+70	SS-LT	P. E.	HMA	12.6		12.6		1.5	5.7	1.4
187+95 (Illinois Ave)	SS-LT	S. R.	HMA	35.1		35.1			15.8	3.9
182+26 (Walnut St/2000 E)	SS-LT	S. R.	HMA	73.5		73.5			33.1	8.2
STATION EQUATION = 182+26.19 (BK) = 499+88.71 (AH)										
500+12	NS-LT	F. E.	DIRT	13.4						
503+45	SS-RT	F. E.	AGG	7.3						
518+65	SS-RT	F. E.	AGG	13.4						
522+75	SS-RT	P. E.	HMA	53.2		53.2		1.6	23.9	6.0
527+41	SS-RT	P. E. /M. B. T. O.	HMA	42.8		42.8		2.6	19.3	4.8
531+75	SS-RT	F. E.	DIRT	25.9						
545+43	SS-RT	F. E.	AGG	8.3						
546+92	NS-LT	P. E. /M. B. T. O.	HMA	28.1		28.1		1.2	12.6	3.1
555+95 (2100 E)	SS-RT	S. R.	HMA	115		115			51.8	12.9
556+14 (2100 E)	NS-LT	S. R.	HMA	46.8		46.8			21.1	5.2
STATION EQUATION = 563+95.35 (BK) = 118+33.86 (AH)										
112+34	SS-LT	F. E.	AGG	8.5						
103+31	NS-RT	F. E.	AGG	11.9						
96+29	SS-LT	P. E. /M. B. T. O.	HMA	26.5		26.5		1.7	11.9	3.0
80+11	SS-LT	F. E.	AGG	26.5						
66+79 (2200 E)	SS-LT	S. R.	HMA	77.2		77.2			34.7	8.6
66+71 (2200 E)	NS-RT	S. R.	HMA	35.3		35.3			15.9	4.0
64+04 (Cemetary)	SS-LT	C. E.	HMA	14.9		14.9		0.7	6.7	1.7
58+09 (Cemetary)	SS-LT	C. E.	HMA	12.7		12.7			5.7	1.4
54+08 (Cemetary)	SS-LT	C. E.	HMA	18.6		18.6		1.0	8.4	2.1
47+55	SS-LT	M. B. T. O.	HMA		27.9	27.9			12.6	3.1
47+49	NS-RT	P. E.	HMA	16.6		16.6		1.8	7.5	1.9
40+56	SS-LT	F. E.	AGG	17.4						
34+73	SS-LT	P. E.	AGG	10.4		10.4	10.4	1.2		1.2
18+42	SS-LT	P. E. /M. B. T. O.	HMA	43.5		43.5		1.2	19.6	4.9
16+72	SS-LT	P. E.	HMA	16.6		16.6		1.8	7.5	1.9
15+67	SS-LT	P. E.	HMA	20.3		20.3		2.5	9.1	2.3
TOTAL						1,408.4	24.1	32.0	622.9	158.9

• NS = NORTH SIDE OF ROAD, SS = SOUTH SIDE OF ROAD

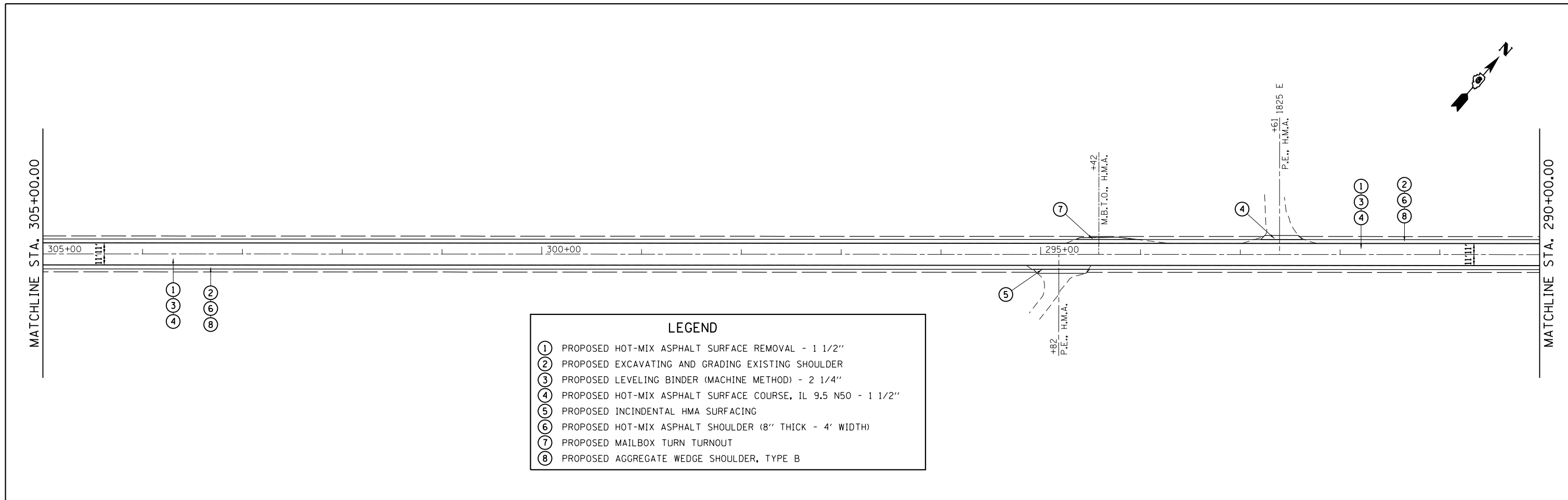
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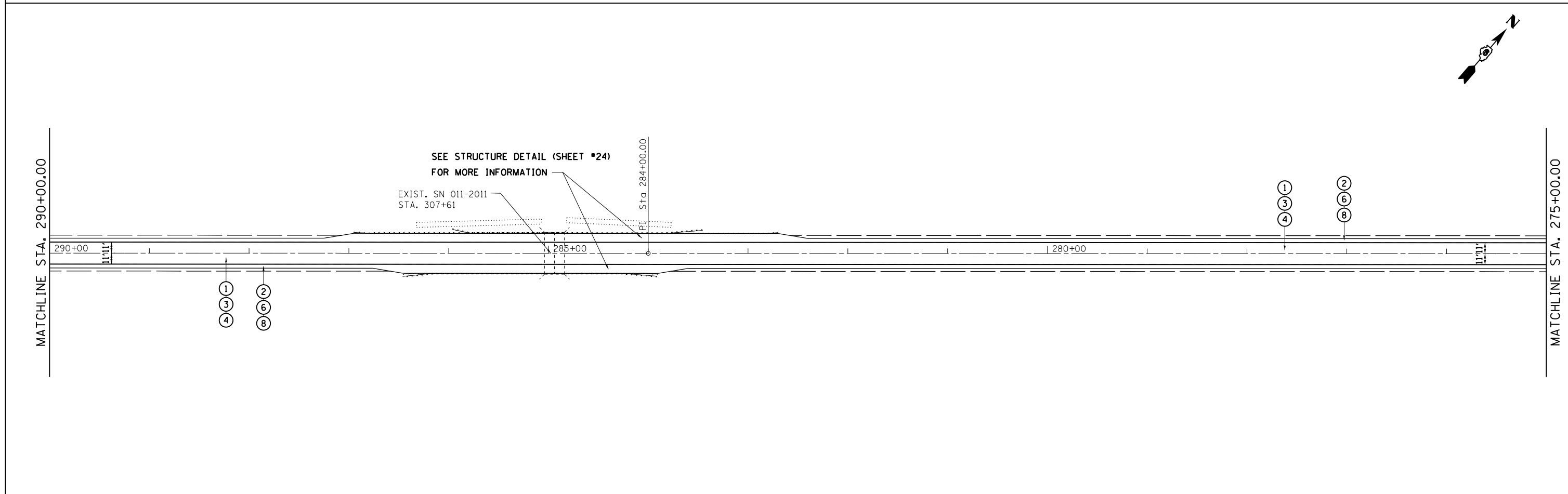
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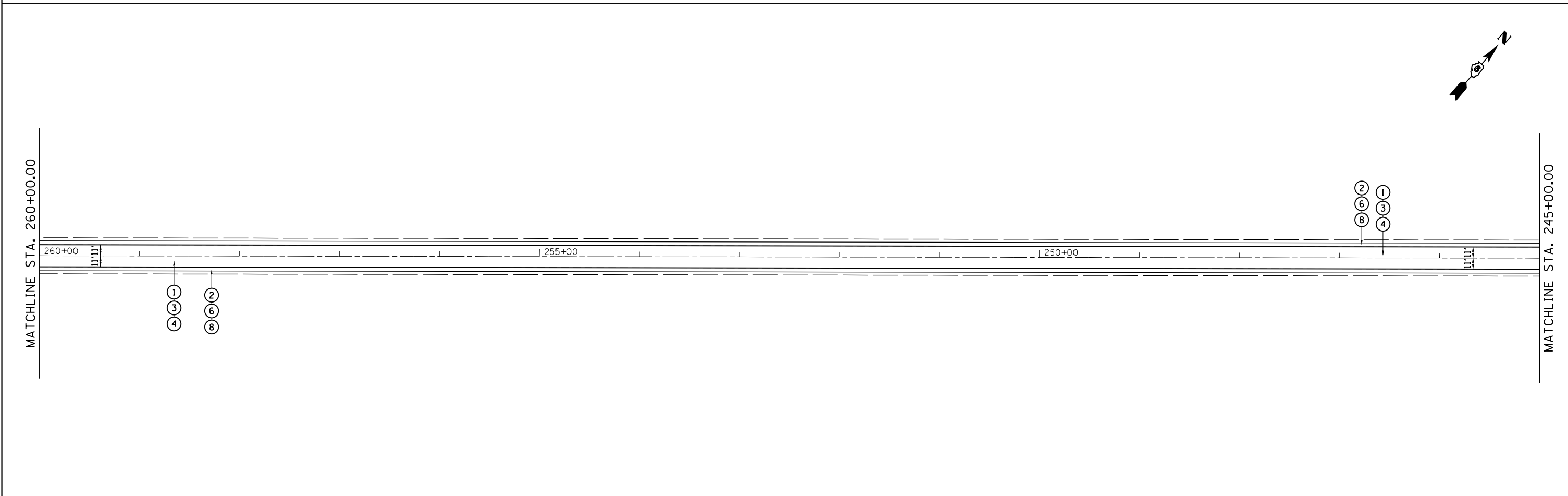
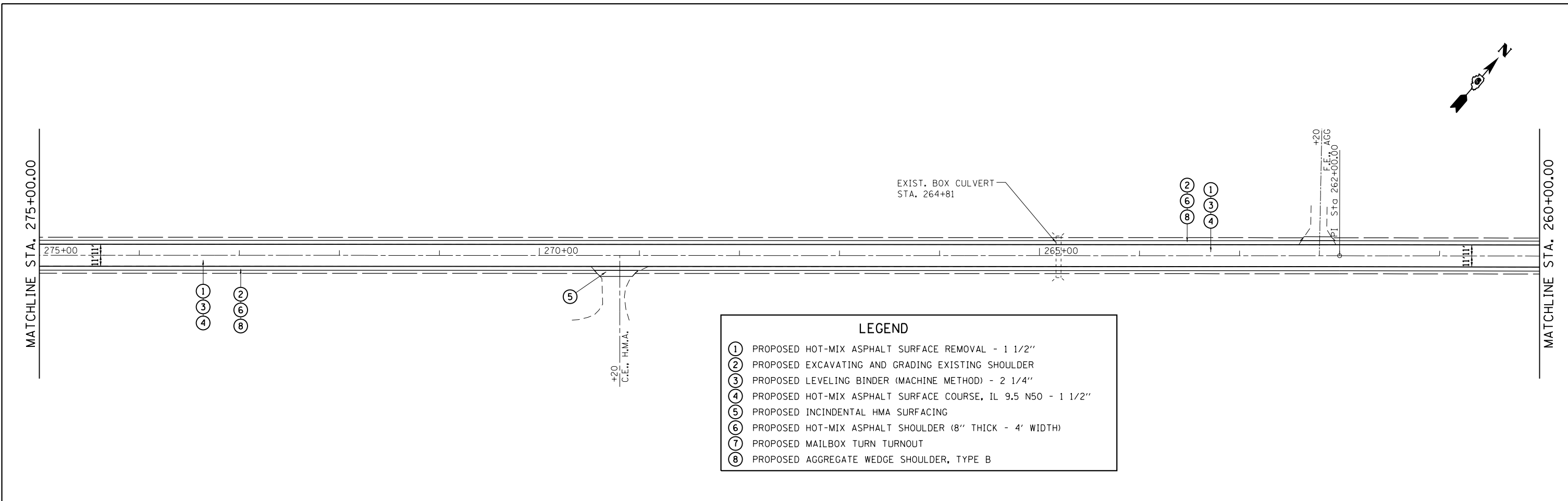
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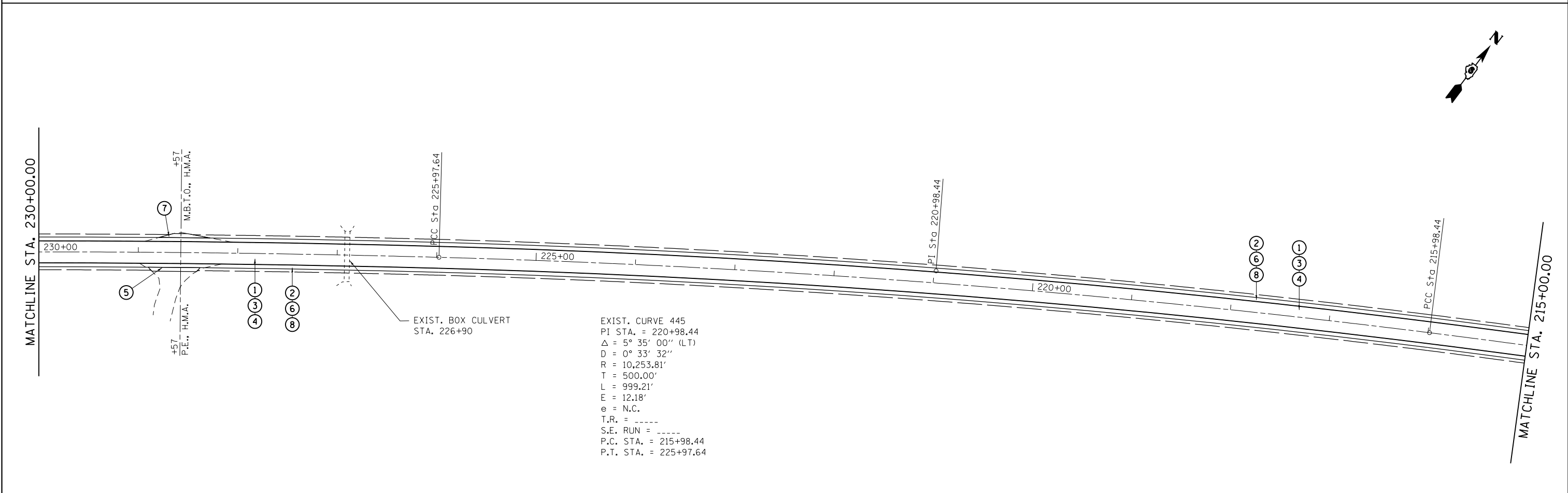
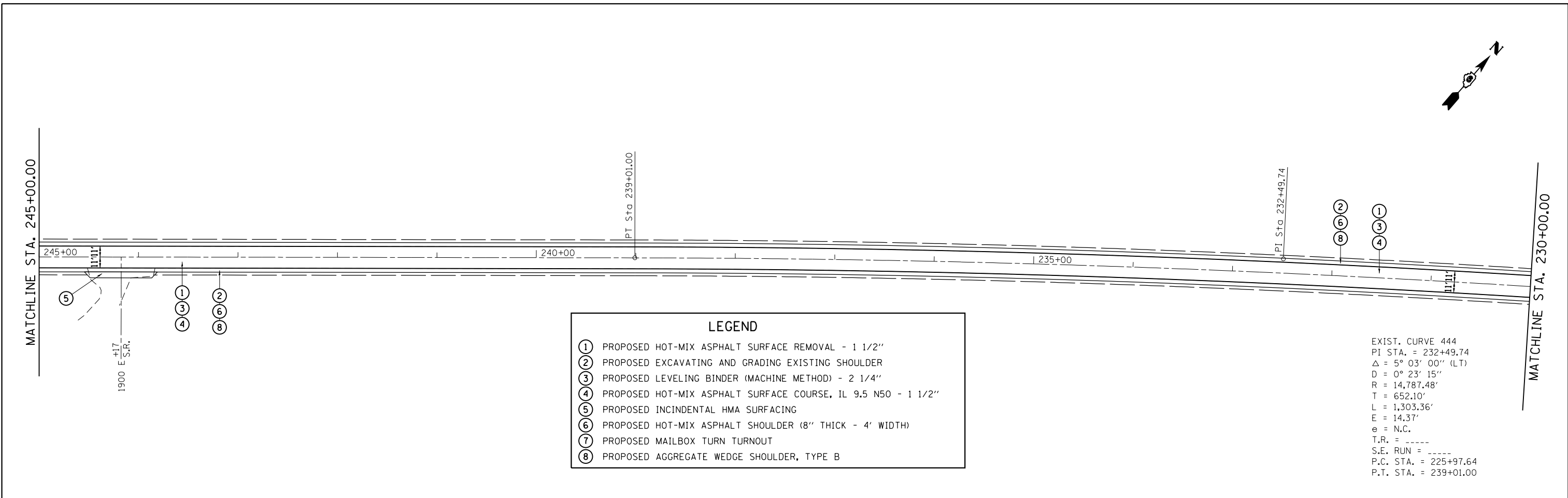
LEGEND	
①	PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2"
②	PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER
③	PROPOSED LEVELING BINDER (MACHINE METHOD) - 2 1/4"
④	PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5 N50 - 1 1/2"
⑤	PROPOSED INCIDENTAL HMA SURFACING
⑥	PROPOSED HOT-MIX ASPHALT SHOULDER (8" THICK - 4' WIDTH)
⑦	PROPOSED MAILBOX TURN TURNOUT
⑧	PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B



FILE NAME =	USER NAME = pricesa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 16 PLAN SHEETS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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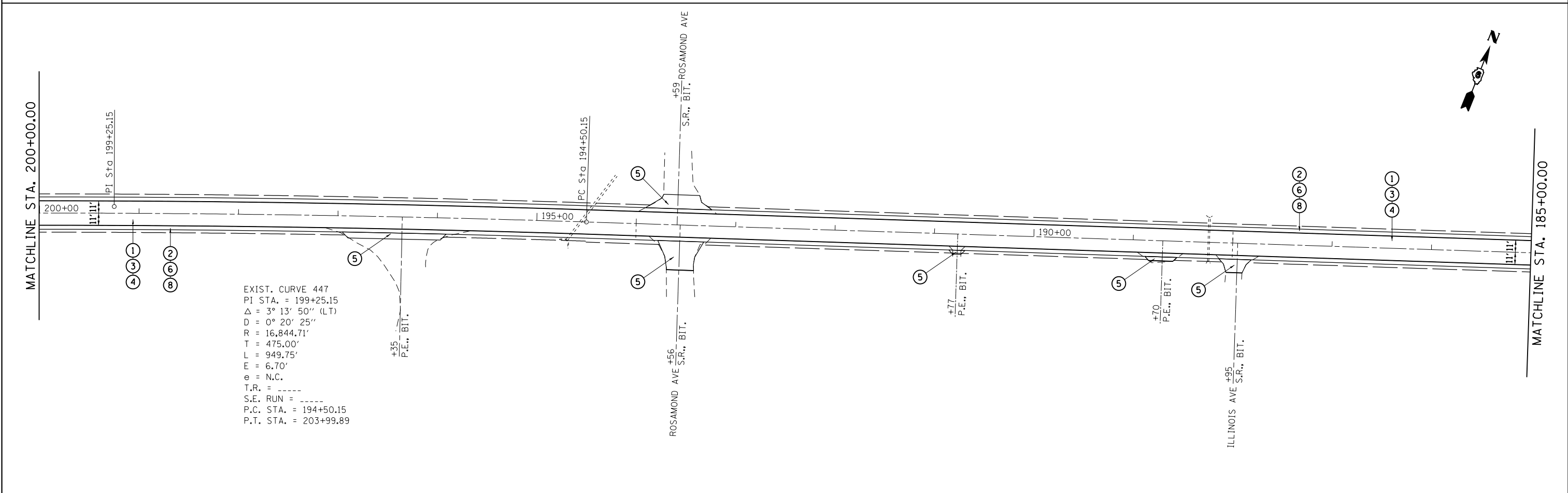
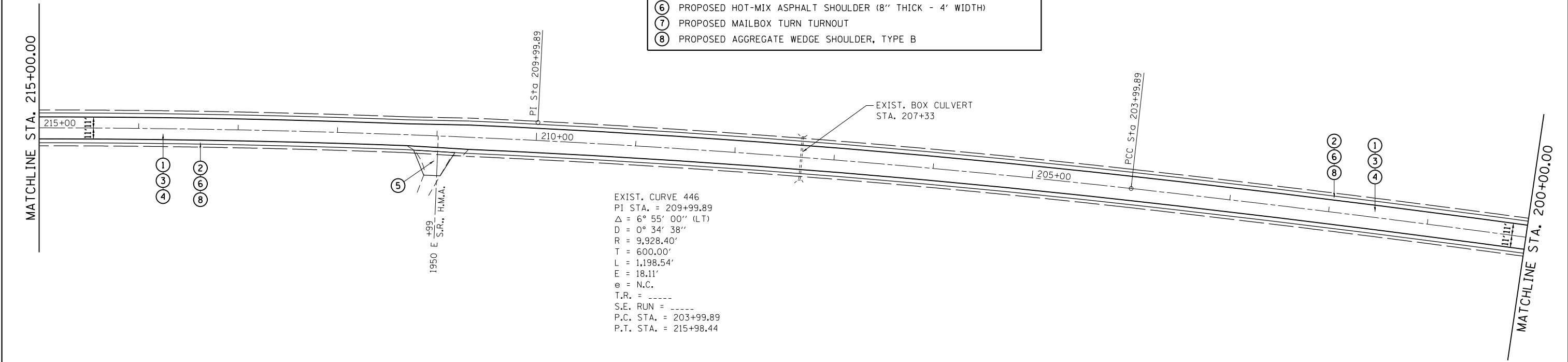


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		CHECKED -	REVISED -								CONTRACT NO.	72E04	
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT		



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		CHECKED -	REVISED -									CHRISTIAN	28	16
		DATE -	REVISED -									CONTRACT NO. 72E04		
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	PLOT DATE = Aug-14-2014 03:08:36PM										• (15)RS-5, (16)RS-4)1-1			

- LEGEND**
- ① PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2"
 - ② PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER
 - ③ PROPOSED LEVELING BINDER (MACHINE METHOD) - 2 1/4"
 - ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5 N50 - 1 1/2"
 - ⑤ PROPOSED INCIDENTAL HMA SURFACING
 - ⑥ PROPOSED HOT-MIX ASPHALT SHOULDER (8" THICK - 4' WIDTH)
 - ⑦ PROPOSED MAILBOX TURN TURNOUT
 - ⑧ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B



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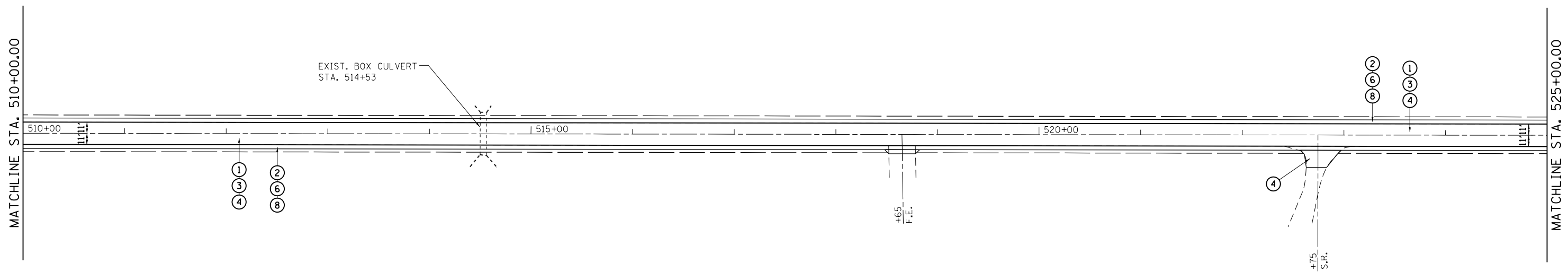
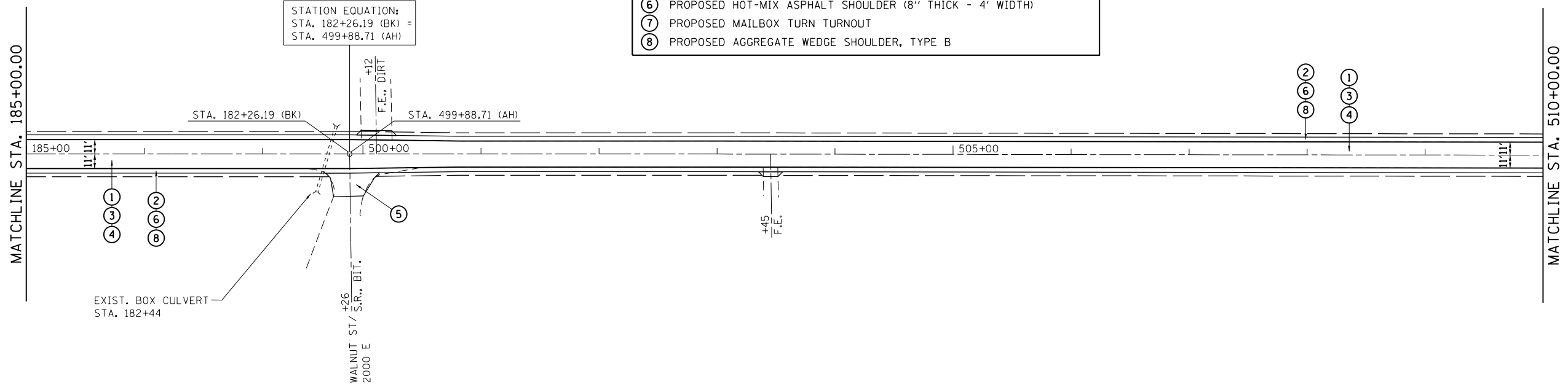
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 16 PLAN SHEETS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	.	CHRISTIAN	28	17
CONTRACT NO. 72E04			ILLINOIS FED. AID PROJECT	

- LEGEND**
- ① PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2"
 - ② PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER
 - ③ PROPOSED LEVELING BINDER (MACHINE METHOD) - 2 1/4"
 - ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5 N50 - 1 1/2"
 - ⑤ PROPOSED INCIDENTAL HMA SURFACING
 - ⑥ PROPOSED HOT-MIX ASPHALT SHOULDER (8" THICK - 4' WIDTH)
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 - ⑧ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

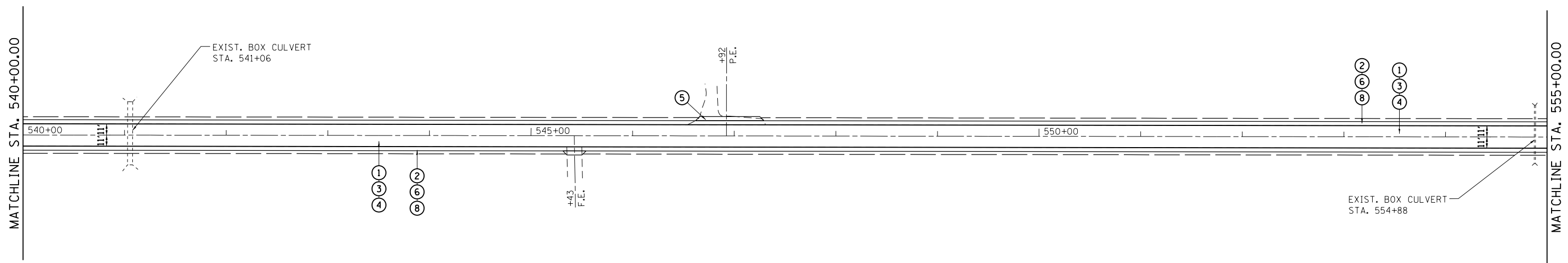
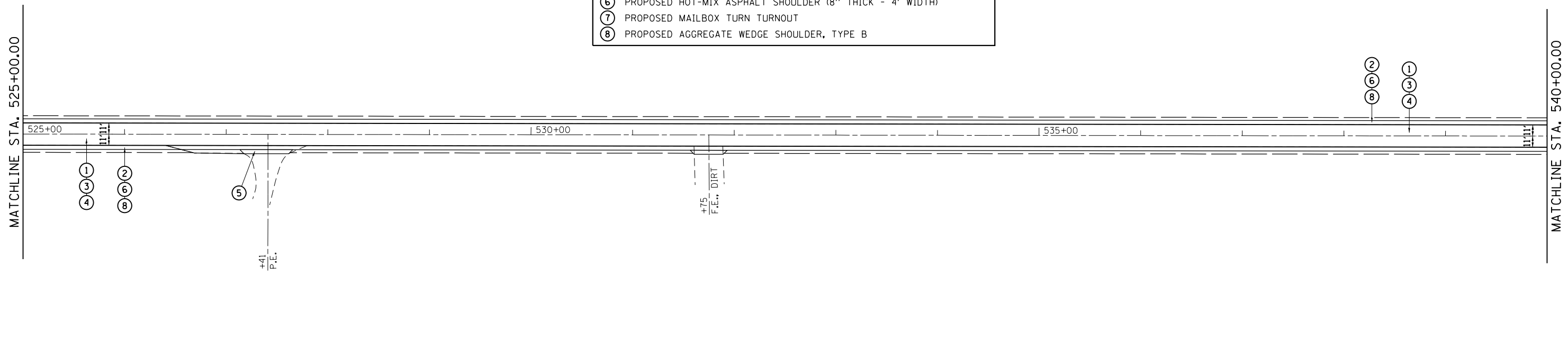
IL 16 PLAN SHEETS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	.	CHRISTIAN	28	18
CONTRACT NO. 72E04			ILLINOIS FED. AID PROJECT	

LEGEND

- ① PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2"
- ② PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER
- ③ PROPOSED LEVELING BINDER (MACHINE METHOD) - 2 1/4"
- ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5 N50 - 1 1/2"
- ⑤ PROPOSED INCIDENTAL HMA SURFACING
- ⑥ PROPOSED HOT-MIX ASPHALT SHOULDER (8" THICK - 4' WIDTH)
- ⑦ PROPOSED MAILBOX TURN TURNOUT
- ⑧ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B



FILE NAME =	USER NAME = pricesa	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

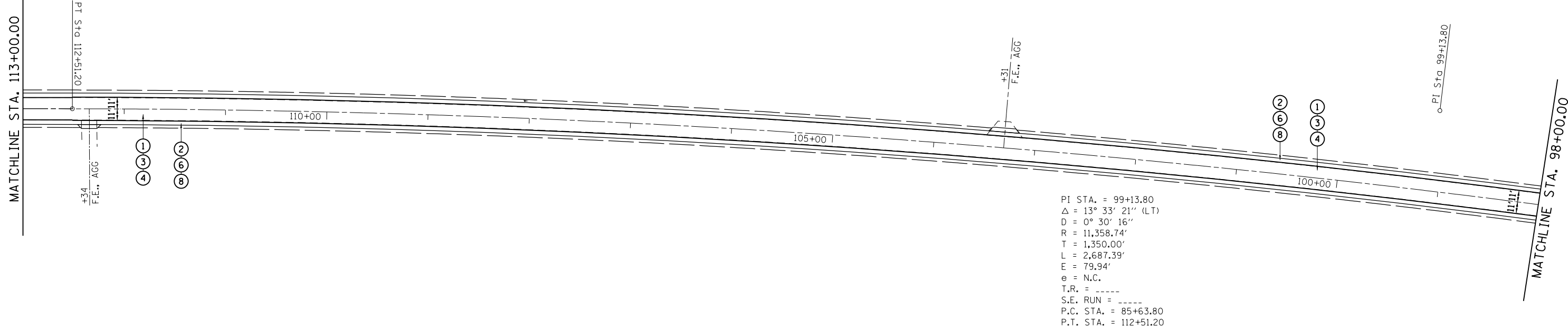
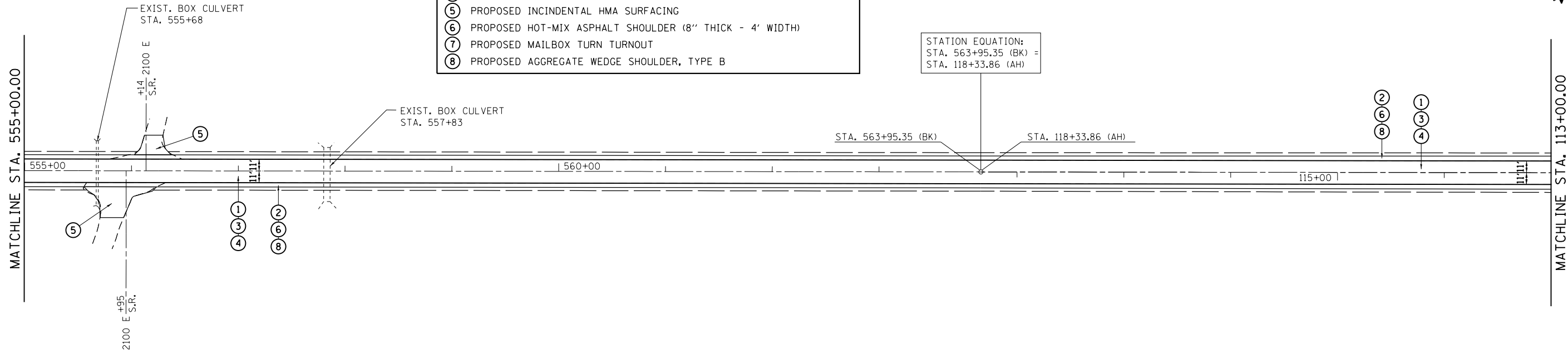
IL 16 PLAN SHEETS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	.	CHRISTIAN	28	19
CONTRACT NO. 72E04			ILLINOIS FED. AID PROJECT	

- LEGEND**
- ① PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2"
 - ② PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER
 - ③ PROPOSED LEVELING BINDER (MACHINE METHOD) - 2 1/4"
 - ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5 N50 - 1 1/2"
 - ⑤ PROPOSED INCIDENTAL HMA SURFACING
 - ⑥ PROPOSED HOT-MIX ASPHALT SHOULDER (8" THICK - 4' WIDTH)
 - ⑦ PROPOSED MAILBOX TURN TURNOUT
 - ⑧ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

STATION EQUATION:
 STA. 563+95.35 (BK) =
 STA. 118+33.86 (AH)



PI STA. = 99+13.80
 $\Delta = 13^\circ 33' 21''$ (LT)
 $D = 0^\circ 30' 16''$
 $R = 11,358.74'$
 $T = 1,350.00'$
 $L = 2,687.39'$
 $E = 79.94'$
 $e = N.C.$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 85+63.80$
 $P.T. STA. = 112+51.20$

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

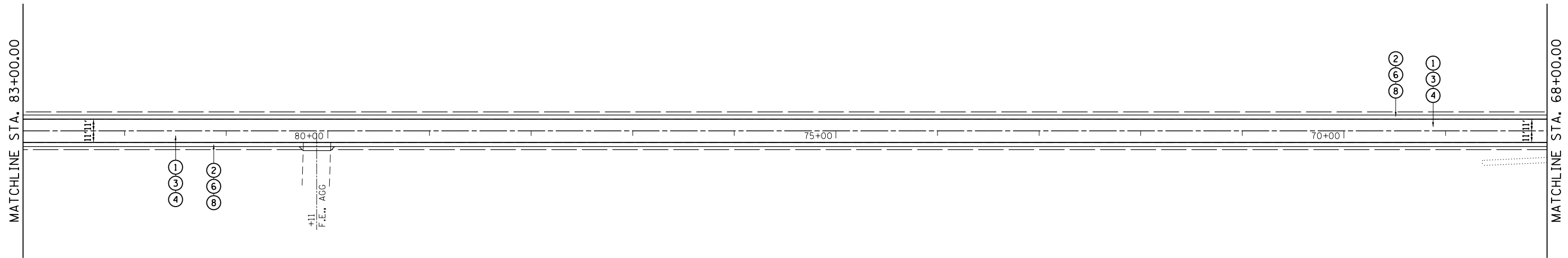
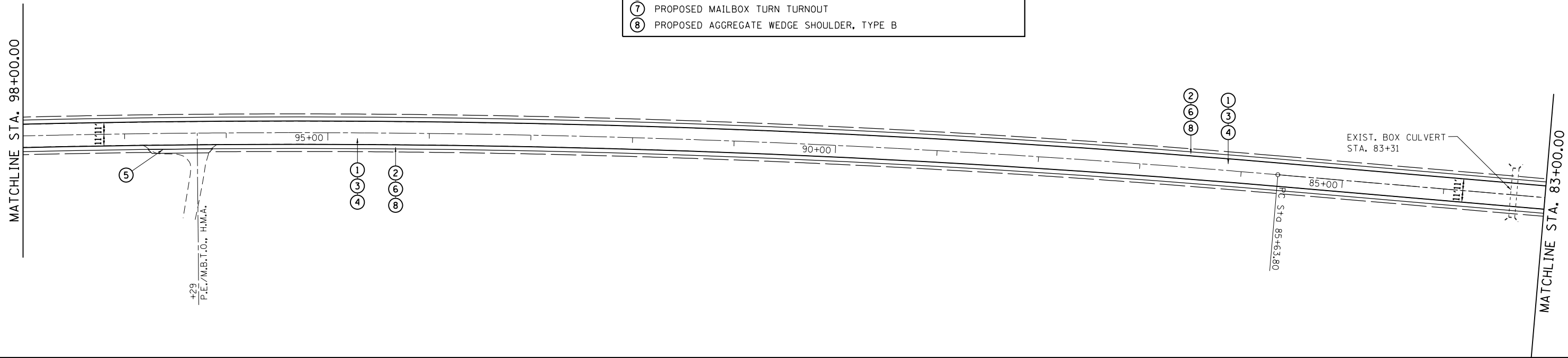
IL 16 PLAN SHEETS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	.	CHRISTIAN	28	20
CONTRACT NO. 72E04			ILLINOIS FED. AID PROJECT	

• ((15)RS-5, (16)RS-4)I-1

- LEGEND**
- ① PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2"
 - ② PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER
 - ③ PROPOSED LEVELING BINDER (MACHINE METHOD) - 2 1/4"
 - ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5 N50 - 1 1/2"
 - ⑤ PROPOSED INCIDENTAL HMA SURFACING
 - ⑥ PROPOSED HOT-MIX ASPHALT SHOULDER (8" THICK - 4' WIDTH)
 - ⑦ PROPOSED MAILBOX TURN TURNOUT
 - ⑧ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B



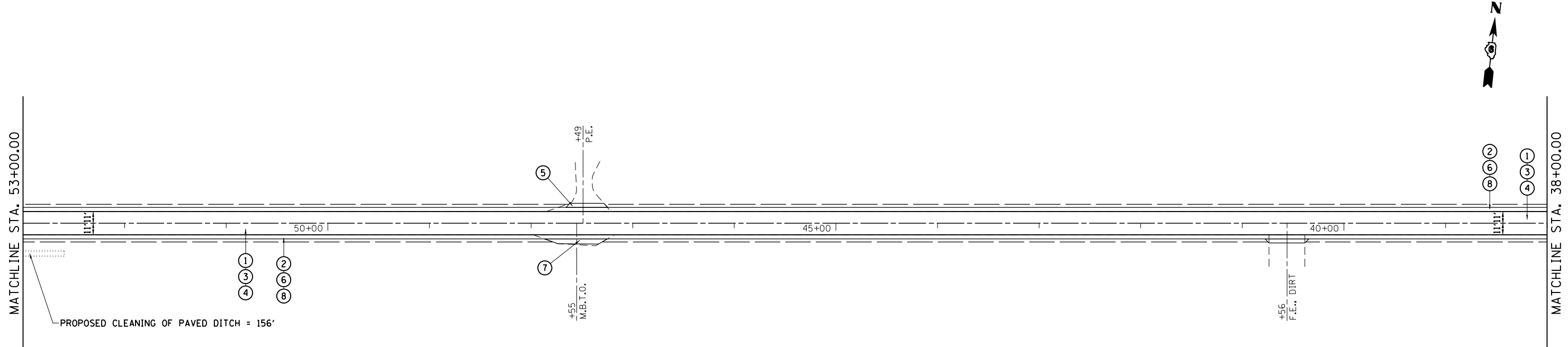
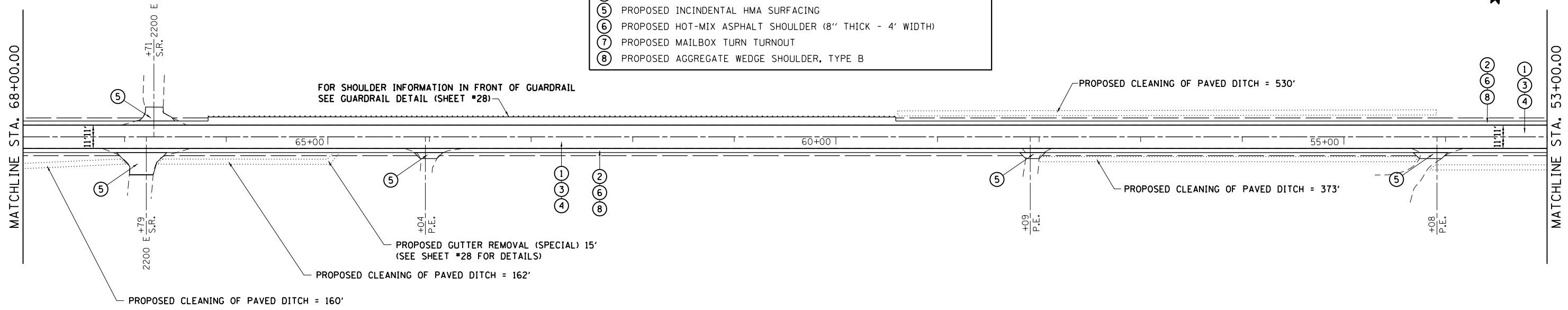
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PLOT DATE = Aug-14-2014 03:08:38PM		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 16 PLAN SHEETS			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	.	CHRISTIAN	28	21
CONTRACT NO. 72E04			ILLINOIS FED. AID PROJECT	

- LEGEND**
- ① PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2"
 - ② PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER
 - ③ PROPOSED LEVELING BINDER (MACHINE METHOD) - 2 1/4"
 - ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5 N50 - 1 1/2"
 - ⑤ PROPOSED INCIDENTAL HMA SURFACING
 - ⑥ PROPOSED HOT-MIX ASPHALT SHOULDER (8" THICK - 4' WIDTH)
 - ⑦ PROPOSED MAILBOX TURN TURNOUT
 - ⑧ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B



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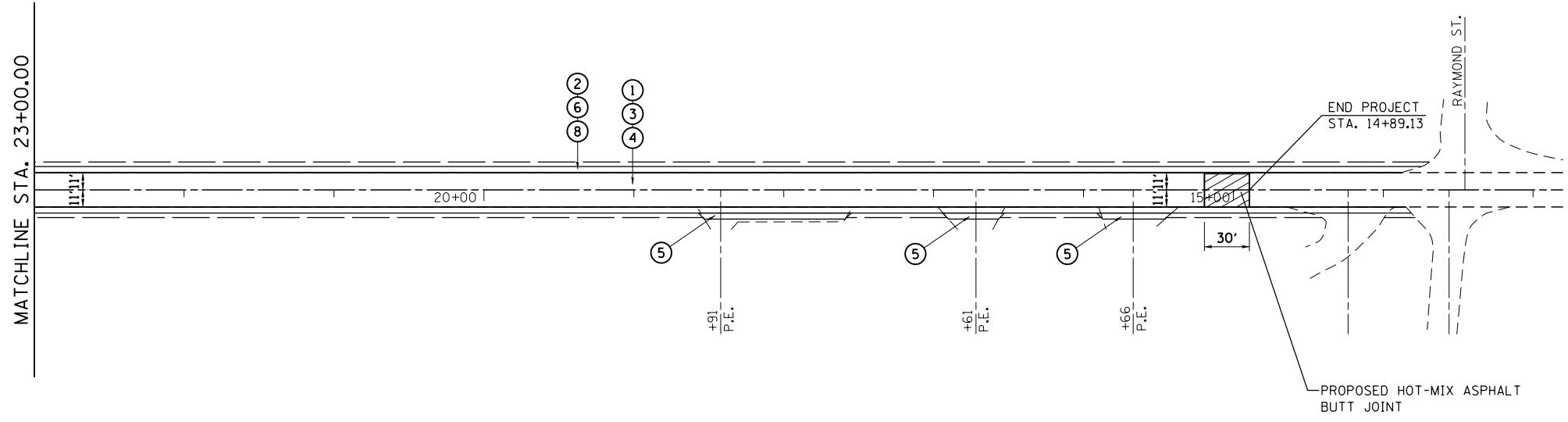
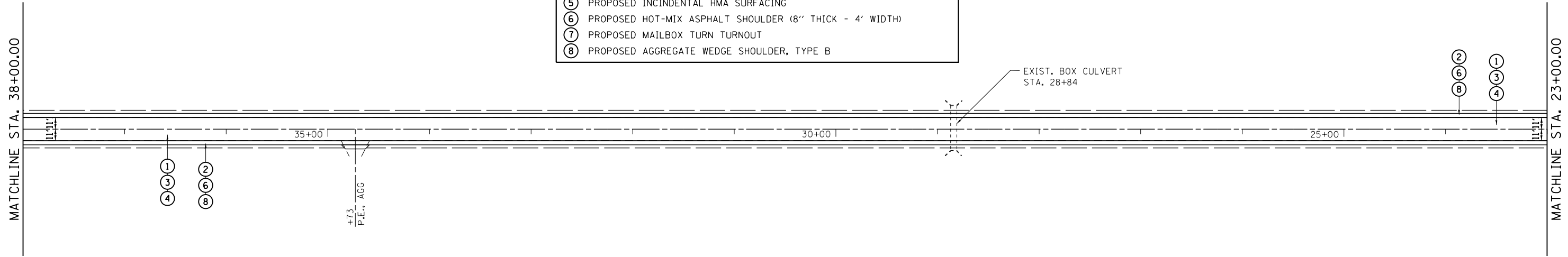
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 16 PLAN SHEETS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	.	CHRISTIAN	28	22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72E04	

- LEGEND**
- ① PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2"
 - ② PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER
 - ③ PROPOSED LEVELING BINDER (MACHINE METHOD) - 2 1/4"
 - ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5 N50 - 1 1/2"
 - ⑤ PROPOSED INCIDENTAL HMA SURFACING
 - ⑥ PROPOSED HOT-MIX ASPHALT SHOULDER (8" THICK - 4' WIDTH)
 - ⑦ PROPOSED MAILBOX TURN TURNOUT
 - ⑧ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

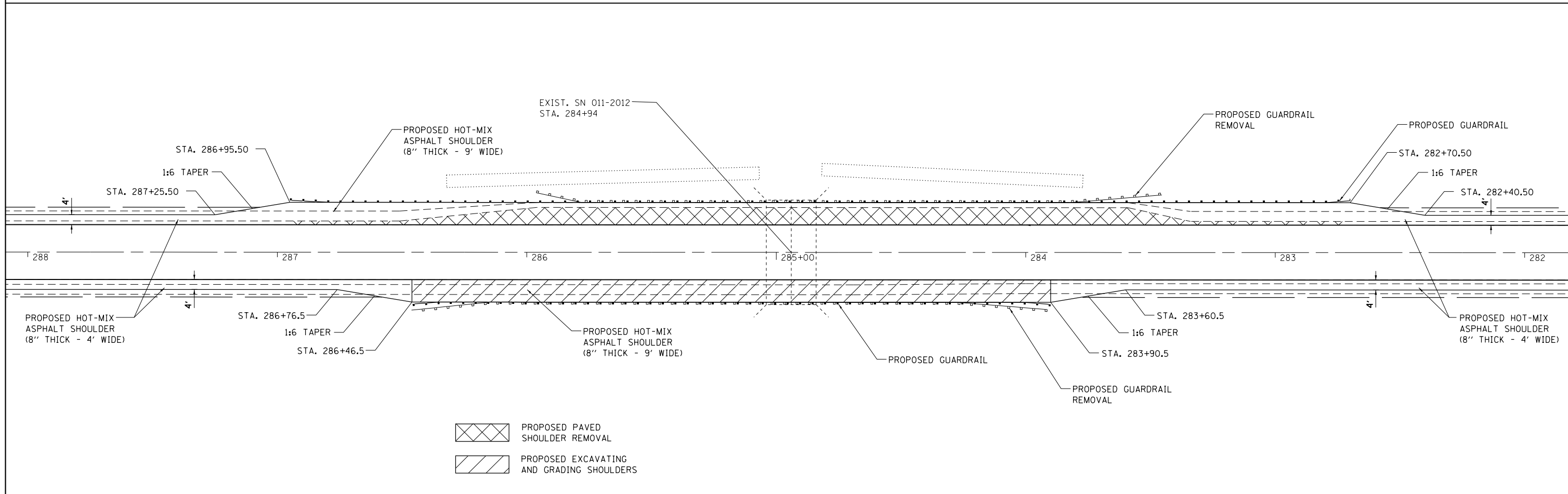
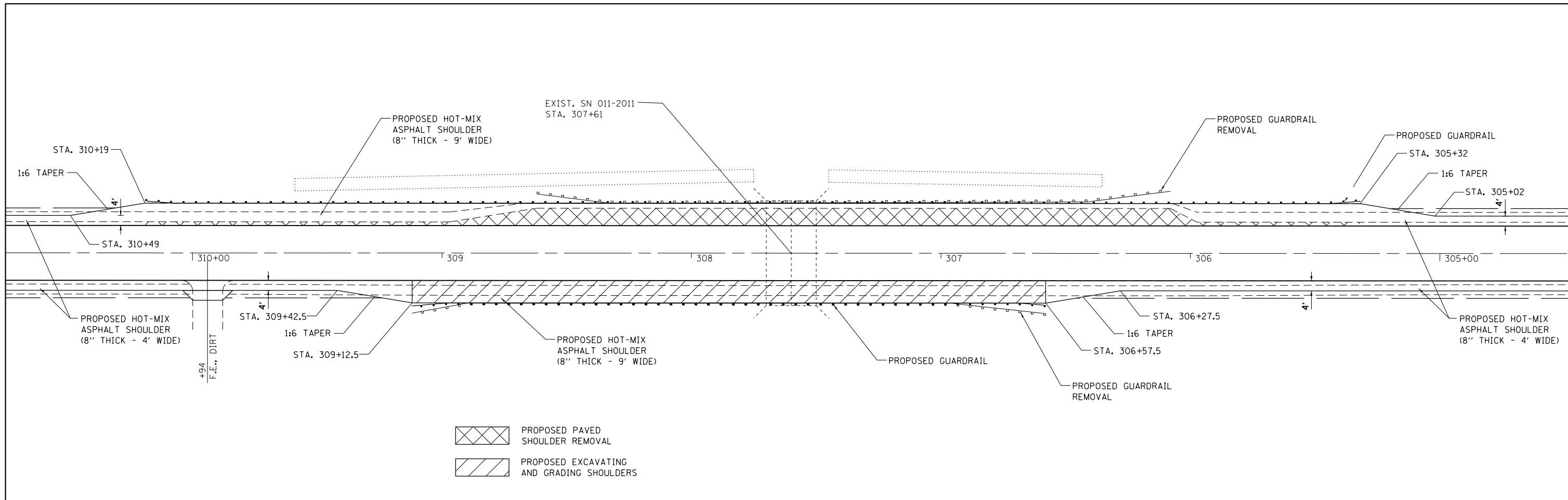


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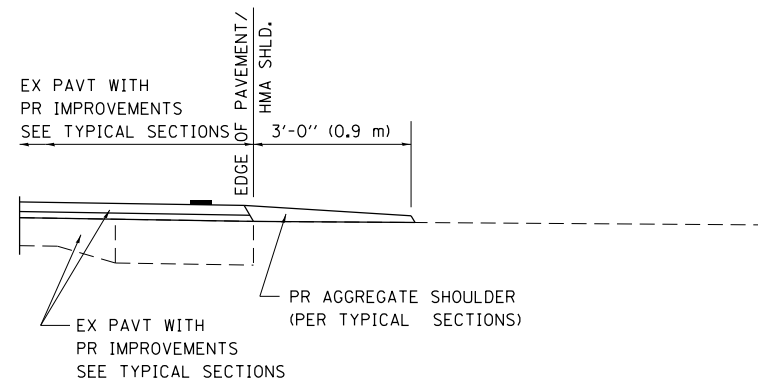
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 16 PLAN SHEETS			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

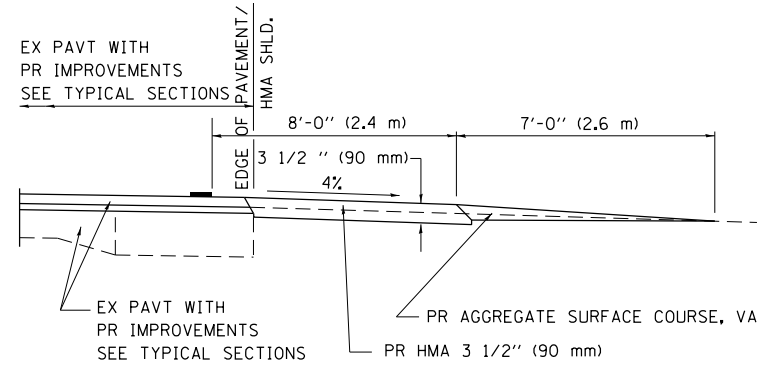
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	.	CHRISTIAN	28	23
			CONTRACT NO. 72E04	
ILLINOIS FED. AID PROJECT				



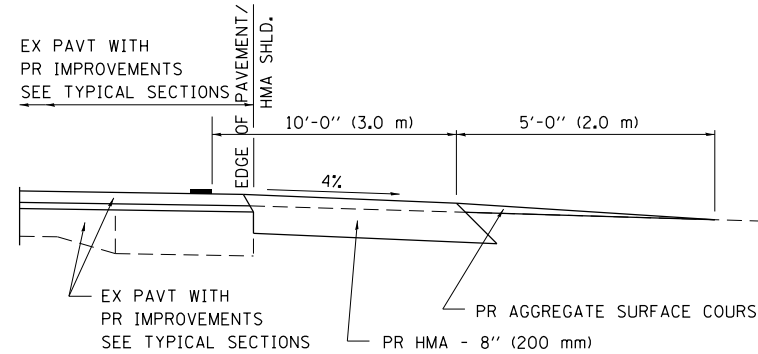
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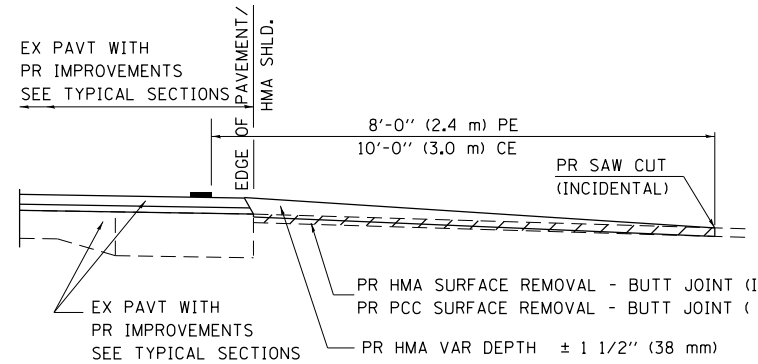
SECTION A-A FOR EX EARTH/ AGGREGATE FE



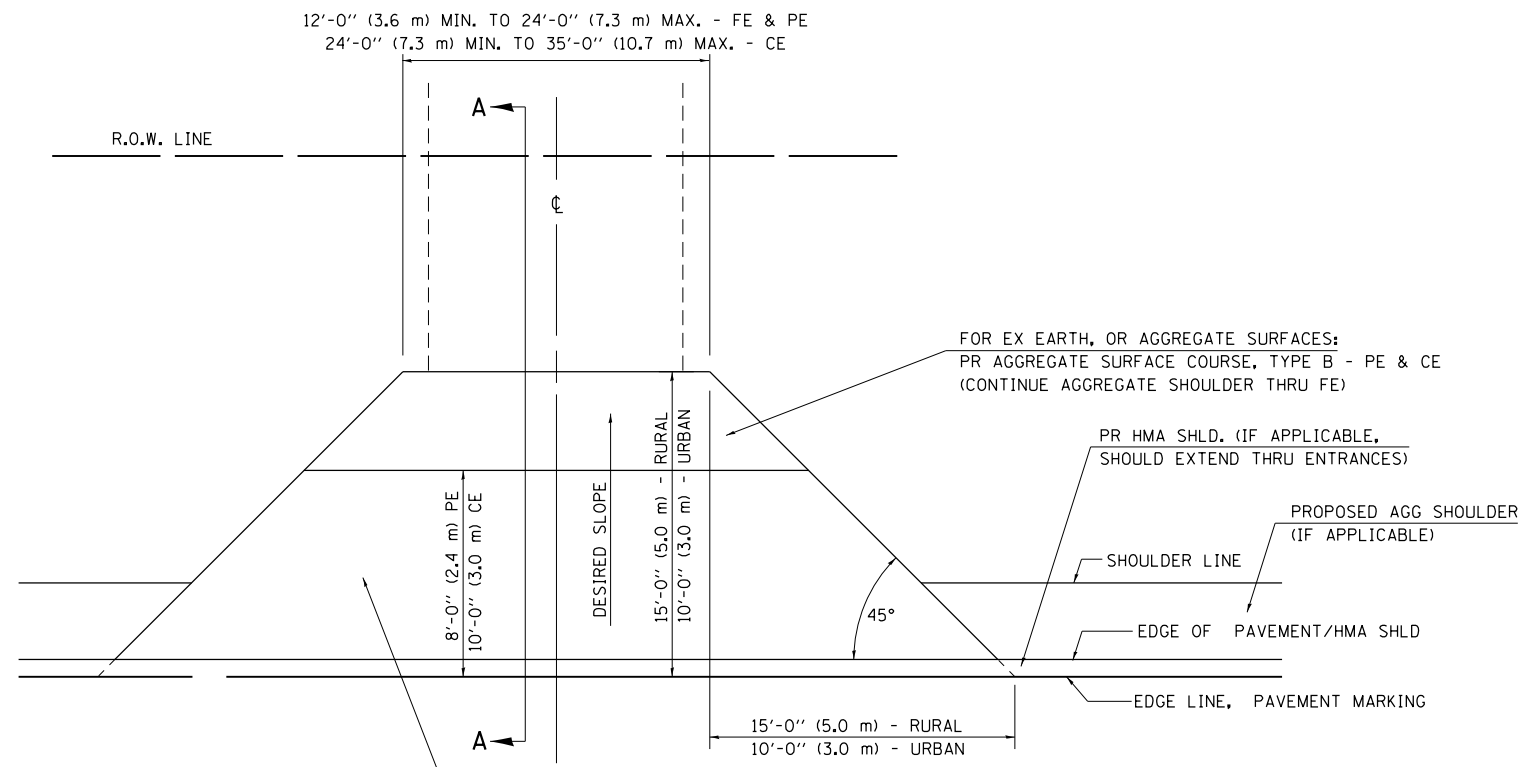
SECTION A-A FOR EX EARTH/AGGREGATE PE



SECTION A-A FOR EX EARTH/AGGREGATE CE & SIDE ROAD



SECTION A-A FOR EX HMA/ PC CONCRETE PE, CE & SIDE ROAD



FOR EX EARTH OR AGGREGATE SURFACES:
 PR HMA SURFACE REMOVAL (IF APPLICABLE)
 PR AGGREGATE SHOULDER THRU - FE
 PR HMA CONCRETE 3 1/2" (90 mm) - PE
 PR HMA CONCRETE 8" (200 mm) - CE

FOR EX HMA CONCRETE SURFACES:
 PR HMA SURFACE REMOVAL-BUTT JOINT

FOR EX PCC SURFACES:
 PR PCC SURFACE REMOVAL-BUTT JOINT

GENERAL NOTES:

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

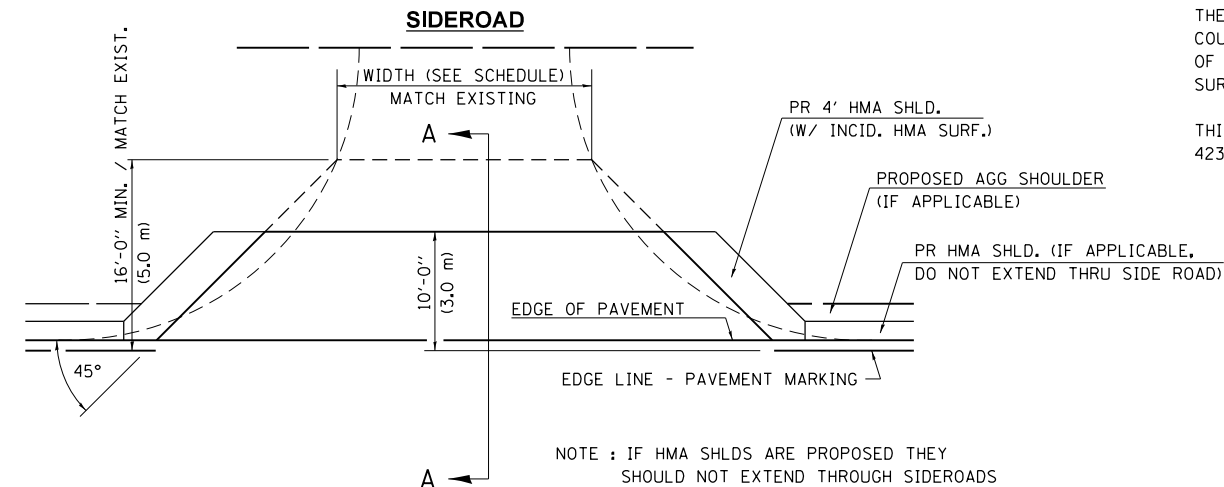
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

HMA CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE HMA CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 3 INCHES (75 mm) AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF HMA BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 2 INCHES (50 mm) SHALL MEET THE REQUIREMENTS OF HMA CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

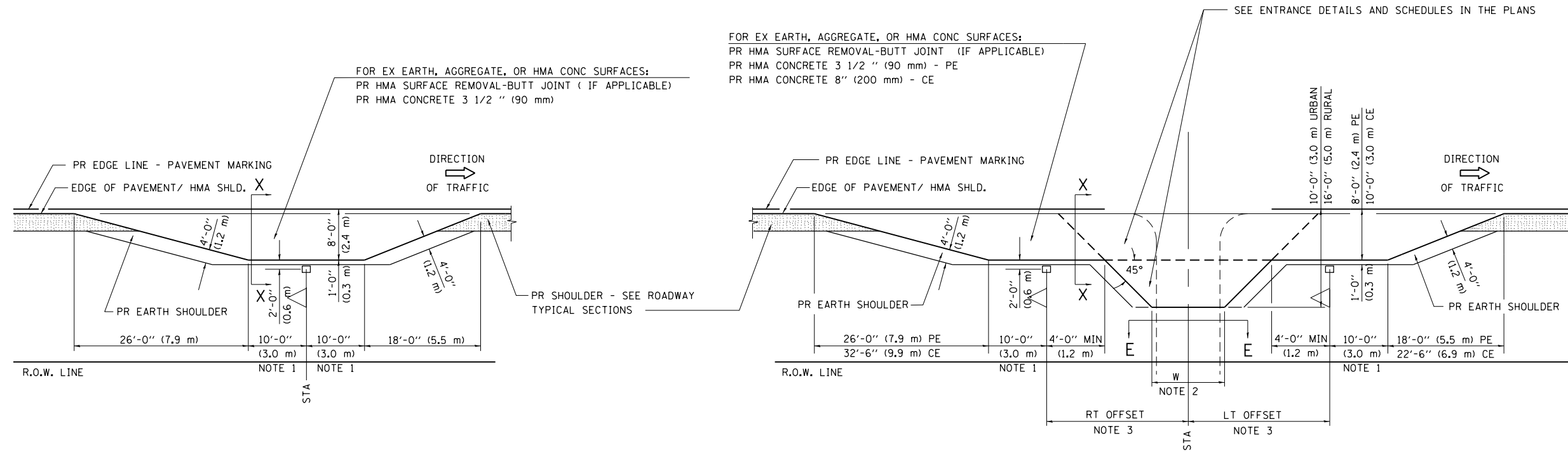
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



NOTE : IF HMA SHLDS ARE PROPOSED THEY SHOULD NOT EXTEND THROUGH SIDEROADS

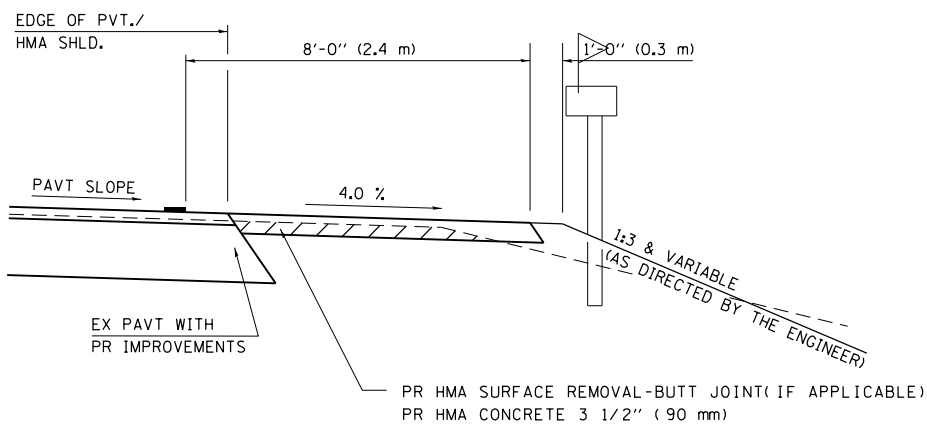
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		DRAWN -	REVISED -			325	.	CHRISTIAN	28	25	
		CHECKED -	REVISED -			CONTRACT NO. 72E04					
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
		PLOT SCALE = 40.0000' / in.		SCALE: NTS	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.				

DETAILS OF MAILBOX TURNOUTS



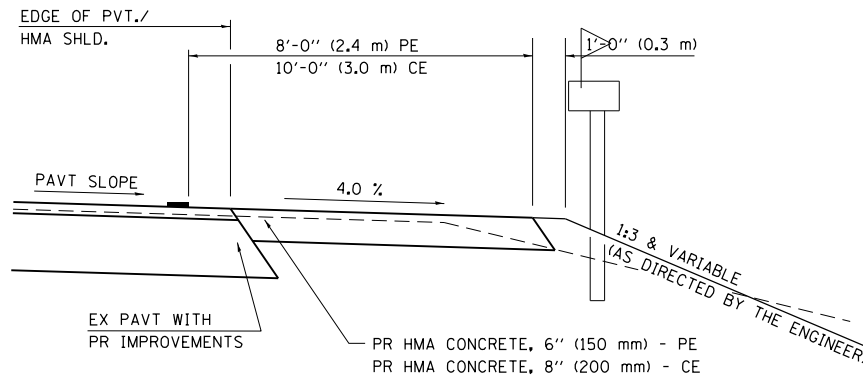
PLAN - MAILBOX TURNOUTS

PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



**SECTION X-X THRU MAILBOX TURNOUT
ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH
EX EARTH, AGGREGATE, OR HMA PE & FE**

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
IF EXISTING, TREAT SAME AS ENTRANCE.)



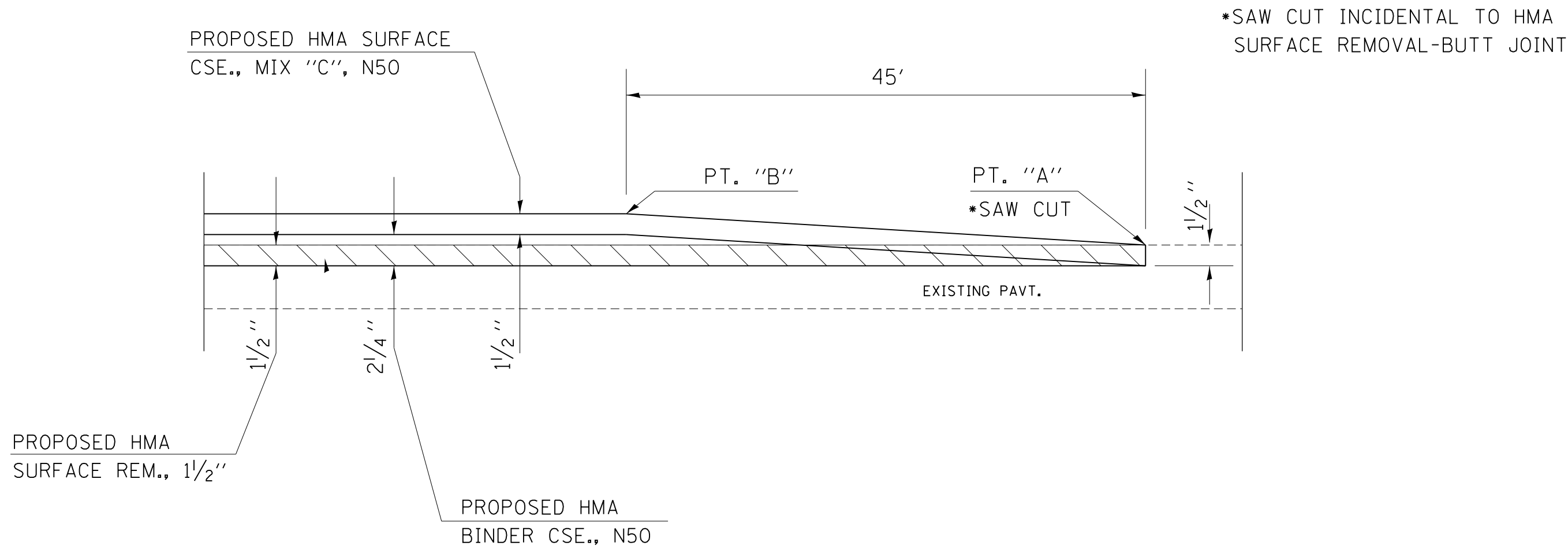
**SECTION X-X THRU MAILBOX TURNOUT
COMBINED WITH EX HMA CONC & PC CONC PE & CE**

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
IF EXISTING, TREAT SAME AS ENTRANCE.)

- NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.
- NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.
- NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

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

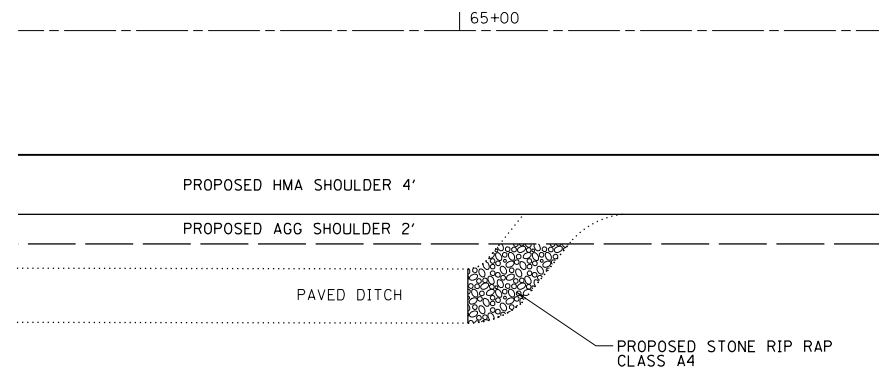
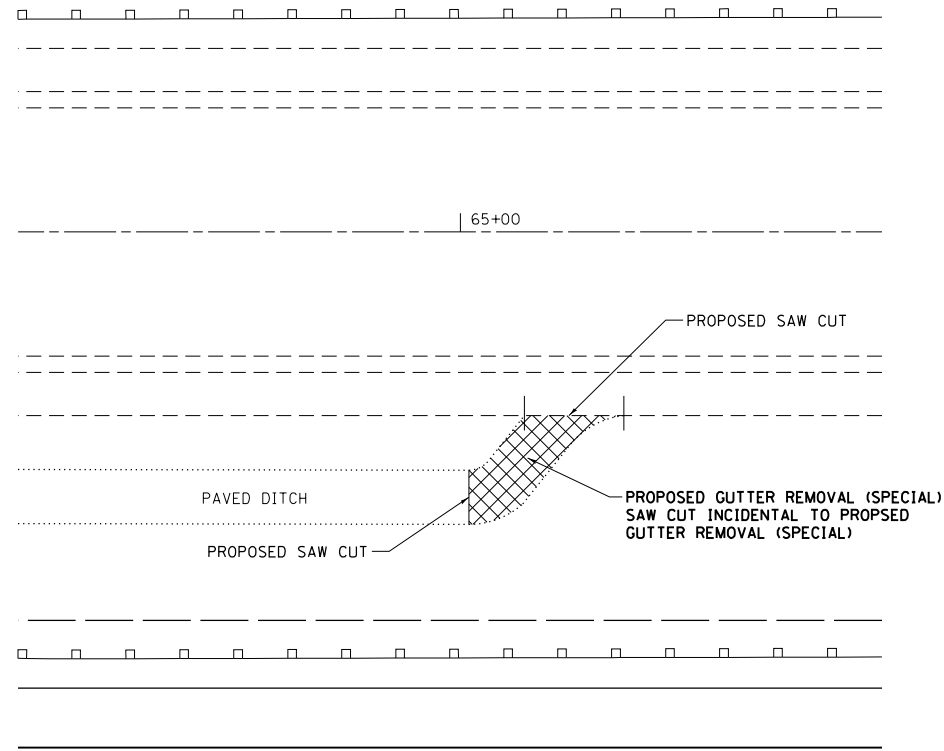
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	PLOT DATE = Aug-14-2014 03:08:41PM	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



BUTT JOINT DETAIL

PT. "A"		PT. "B"	
364+71.18	TO	364+26.18	
14+89.30	TO	15+34.30	

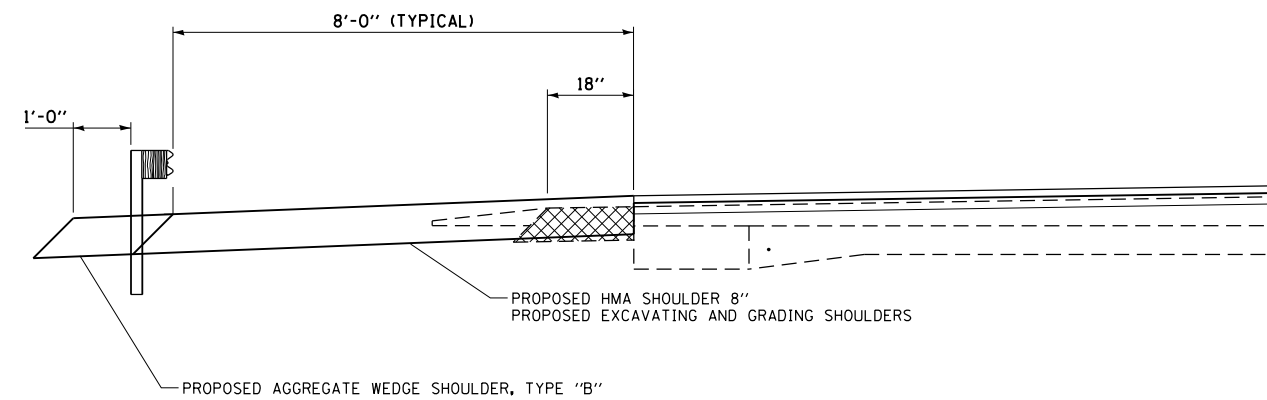
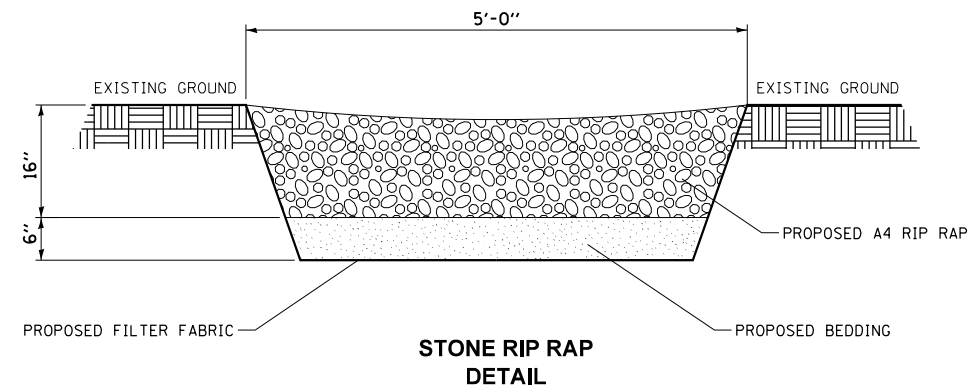
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -								CHRISTIAN	28
	PLOT DATE = Aug-14-2014 03:08:41PM	DATE -	REVISED -								CONTRACT NO. 72E04	27



GUTTER REMOVAL (SPECIAL)

NOTES:

1. FOR ADDITIONAL INFORMATION SEE SPECIAL PROVISIONS FOR GUTTER REMOVAL (SPECIAL) AND STONE RIP RAP
2. SEE STANDARD SPECIFICATIONS SECTION 281.04(g)



**GUARDRAIL DETAIL BY THE CEMETARY
STA. 59 + 41 TO STA. 65 + 68**

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUTTER AND GUARDRAIL DETAIL
NEAR CEMETARY**

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	•	CHRISTIAN	28	28
			CONTRACT NO. 72E04	
ILLINOIS FED. AID PROJECT				