

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	1
		ILLINOIS	CONTRACT NO. 74548	

CURRENT TRAFFIC DATA

2015 ADT	2,600
P.V. %	83.1%
S.U. %	8.3%
M.U. %	8.7%

**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 762 (IL 32)
SECTION (1,2) RS-3
PROJECT STP-0762(009)
RESURFACING (3P)
SHELBY COUNTY

C-97-013-12

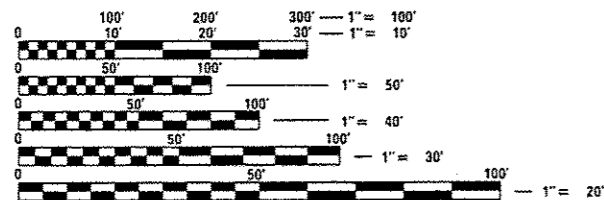


SECTION (1,2) RS-3 BEGINS
STA. 397 + 11.00

CULVERT REPLACEMENT
EXISTING S.N. 087-8626
PROPOSED S.N. 087-8662
STA. 402 + 30.00

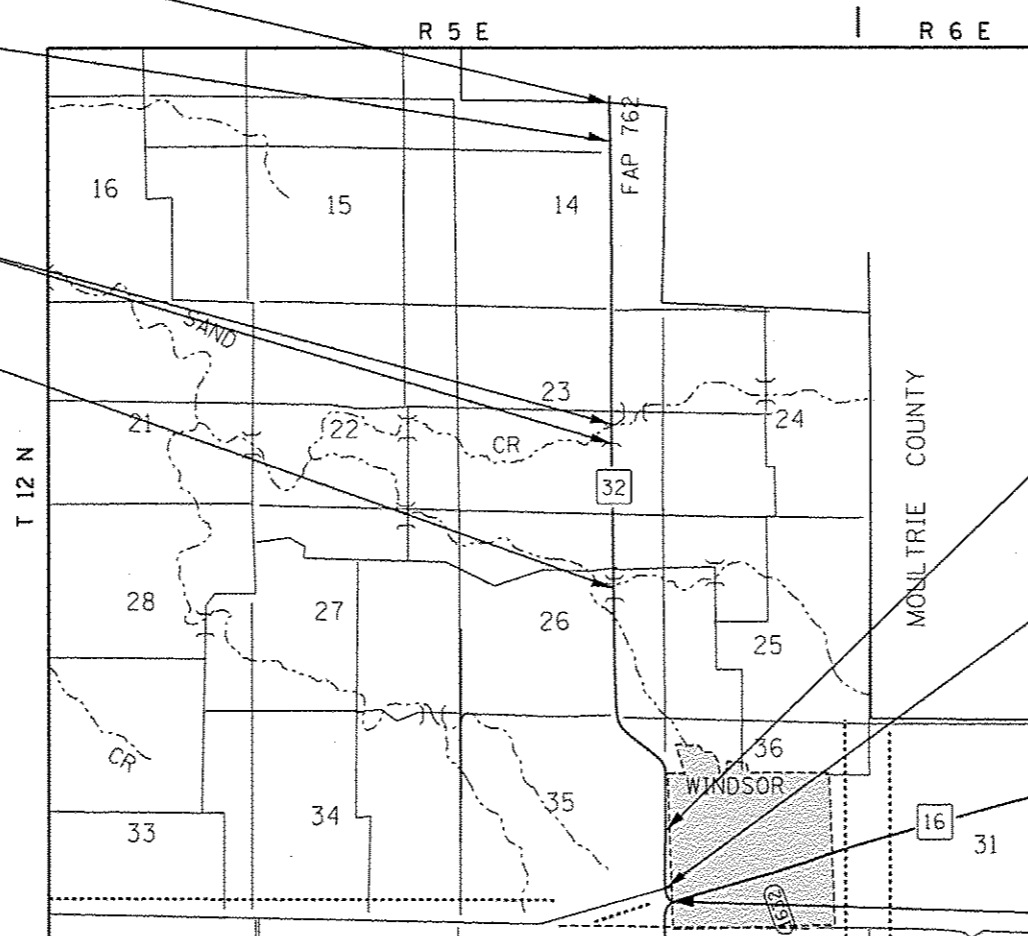
OMISSION FROM SECTION
STA. 479 + 93.99 - STA. 481 + 30.01

BRIDGE DECK PATCHING & WATERPROOFING,
S.N. 087-8001, STA. 579 + 71.00



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



CULVERT REPLACEMENT
EXISTING S.N. 087-8316
PROPOSED S.N. 087-8663
STA. 595 + 96.00

POT STA. 606 + 10.40
= PC STA. 5 + 00.00

SECTION (1,2) RS-3 ENDS
STA. 7 + 65.64

GROSS LENGTH = 21,165.04 FT. = 4.009 MILE
NET LENGTH = 21,029.02 FT. = 3.983 MILE



PROJECT ENGINEER: TOM RONAN
PROJECT MANAGER: BENJAMIN J. DETERS
PHONE: (217)-342-8361

CONTRACT NO. 74548

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 3, 2017
Jeffery A. South
REGIONAL ENGINEER

Mar 24, 2017
Maureen M. Addis
ENGINEER OF DESIGN AND ENVIRONMENT

Mar 24, 2017
Maureen M. Addis
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS

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48	RURAL ENTRANCE SCHEDULE AND MAILBOX TURNOUT DETAILS WITH SHOULDERS
49	DISTRICT 7 DETAIL NO. 60624610 - CORRUGATED MEDIAN (DOWELLED)
50 - 53	DISTRICT 7 DETAIL NO. 78000001 - PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)
54	DISTRICT 7 DETAIL NO. Z0070202 - SURVEY MARKER (VAULT)
55 - 59	CROSS SECTION SHEETS BOX CULVERT - STATION 402+30.00
60 - 65	CROSS SECTION SHEETS BOX CULVERT - STATION 595+96.00

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001 - 06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001 - 02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001 - 07	TEMPORARY EROSION CONTROL SYSTEMS
420701 - 03	PAVEMENT WELDED WIRE REINFORCEMENT
442101 - 07	CLASS B PATCHES
442201 - 03	CLASS C AND D PATCHES
482011 - 03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001 - 03	NAME PLATES FOR BRIDGES
606306 - 04	CORRUGATED PC CONCRETE MEDIANS
642006	SHOULDER RUMBLE STRIPS, 8 IN.
667101 - 02	PERMANENT SURVEY MARKERS
701001 - 02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006 - 05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011 - 04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201 - 04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701301 - 04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306 - 03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311 - 03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701321 - 16	LANE CLOSURE, 2L, 2W, BRIDGE WITH BARRIER
701326 - 04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45 MPH
701501 - 06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901 - 06	TRAFFIC CONTROL DEVICES
704001 - 08	TEMPORARY CONCRETE BARRIER
780001 - 05	TYPICAL PAVEMENT MARKINGS
781001 - 04	TYPICAL APPLICATIONS OF RAISED REFLECTIVE PAVEMENT MARKINGS
782001 - 01	CURB REFLECTORS

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS AND HIGHWAY STANDARDS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 7\Projects\7458\Drawings\CAB\Sheets\0774548-sht-index.dgn		CHECKED -	REVISED -					762	(1,2) RS-3	SHELBY	65	2
		PLOT SCALE = 100.0000' / in.	REVISOR -		SCALE: NA			SHEET 1 OF 2 SHEETS STA. TO STA.			CONTRACT NO. 74548	
		PLOT DATE = 2/3/2017	DATE -		ILLINOIS FED. AID PROJECT							

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS; THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2017, AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

THIS PROJECT IS LOCATED ON ILLINOIS ROUTE 32 IN SHELBY COUNTY BEGINNING AT THE MOULTRIE COUNTY LINE AND EXTENDING SOUTH FOR 4.01 MILES TO ILLINOIS ROUTE 16 IN WINDSOR. THE WORK INCLUDED IN SECTION (1,2) RS-3 CONSISTS OF PAVEMENT PATCHING, HOT-MIX ASPHALT SURFACE REMOVAL, HOT-MIX ASPHALT RESURFACING, TWO BOX CULVERT REPLACEMENTS, BRIDGE REPAIRS, HOT-MIX ASPHALT SHOUDLERS, PAVEMENT MARKING, AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESSIBILITY TO THE HOT-MIX ASPHALT PLANT QUALITY CONTROL LAB SO THAT HOT-MIX ASPHALT PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK SHALL BE INCLUDED IN THE COST OF ALL HOT-MIX ASPHALT ITEMS.

IF THE HOT MIX ASPHALT SURFACE REMOVAL 2 1/4" IS COMPLETED IN A SINGLE PASS, A MILLED SLOPE EDGE OR TEMPORARY WEDGE OF 1:3 MIN. SHALL BE CONSTRUCTED TO AVOID A DROP OFF GREATER THAN 1 1/2" BETWEEN LANES WHEN OPENED TO TRAFFIC.

THE PAY ITEM TEMPORARY RAMP HAS BEEN INCLUDED FOR THE CONSTRUCTION OF TEMPORARY RAMPS IN ACCORDANCE WITH ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS AND AS SPECIFIED IN THE PLANS. THE COST SHALL INCLUDE BOTH THE INSTALLATION AND THE REMOVAL OF THE TEMPORARY RAMPS.

THERE ARE TWO ENTRANCES THAT HAVE 3 FOOT WIDE ASPHALT TAPERS ADJACENT TO THE PAVEMENT. IT IS THE DEPARTMENTS INTENT TO PAY FOR RESURFACING THESE TWO LOCATIONS WITH LEVEL BINDER AND SURFACE COURSE BY HAVING THE CONTRACTOR EXTEND THE WING OUT ON THEIR PAVER. THE ENTRANCES ARE LOCATED AT LEFT STATION 499+87 AND RIGHT STATION 598+91.

THE EXISTING PAVEMENT SHALL BE PATCHED IN ACCORDANCE WITH SECTION 442 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. THE QUANTITY OF PATCHING SHOWN ON THE PLANS IS AN ESTIMATE, THE FINAL LOCATIONS AND QUANTITY SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. THE REMOVAL AND REPLACEMENT OF THE PAVEMENT OVER THE BOX CULVERTS TO BE REPLACED SHALL BE PAID FOR AS CLASS D PAVEMENT PATCHING.

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 781 OF THE STANDARD SPECIFICATIONS. THE TOTAL QUANTITY OF RAISED REFLECTIVE PAVEMENT MARKERS CONSISTS OF 311 TWO-WAY AMBER MARKERS AND 6 ONE-WAY AMBER MARKERS. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AT 20 FOOT INTERVALS ALONG BOTH EDGELINES AND AT 40 FOOT INTERVALS ALONG THE CENTERLINE AT BOTH CURVES NORTH OF WINDSOR. AT ALL OTHER LOCATIONS THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AT 80 FOOTCENTERS ALONG THE CENTERLINE.

PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH SECTION 780 OF THE STANDARD SPECIFICATIONS. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED SURFACE, BITUMINOUS MATERIALS (TACK COAT), HOT-MIX ASPHALT LEVELING BINDER, AND HOT-MIX ASPHALT SURFACECOURSE AS SPECIFIED IN SECTION 703 OF THE STANDARD SPECIFICATIONS. TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES.

THE TOTAL QUANTITY OF PAINT PAVEMENT MARKING-LINE 4 INCH CONSISTS OF 41,026 FEET OF WHITE AND 10,248 FEET OF YELLOW.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING 4 INCH CONSISTS OF 487 FEET OF YELLOW.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 8 INCH CONSISTS OF 105 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 12 INCH CONSISTS OF 36 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 24 INCH CONSISTS 34 FEET OF WHITE.

PRIOR TO THE REMOVAL AND REPLACEMENT OF THE FIELD TILE SYSTEM LOCATED AT 402+42, BILL DEAN OF DEAN DRAINAGE SHALL BE NOTIFIED OF ANY WORK BEING DONE TO THE EXISTING FIELD TILE SYSTEM CURRENTLY IN PLACE. HIS CONTACT INFORMATION IS LISTED BELOW:

BILL DEAN
DEAN DRAINAGE, LLC
3356 US HWY. 45
MATTOON, IL 61938
OFFICE PHONE: 217-234-3326
CELL PHONE: 217-962-3326

THE LONGITUDINAL JOINT SEALANT WILL BE CONSTRUCTED BETWEEN THE LEVEL BINDER AND SURFACE COURSE.

VIBRATORY ROLLERS IN DYNAMIC MODE WILL NOT BE PERMITTED WITHIN THE CORPORATE LIMITS OF WINDSOR. DENSITY REQUIREMENTS MUST STILL BE MET.

FOR THE LEVELING BINDER (MACHINE METHOD) IL-9.5FG, N70 MIX THE TOTAL PAY FACTOR FOR THE DENSITY WILL BE 100.0 AFTER A ROLLING PATTERN IS APPROVED BY THE DISTRICT ON THE FIRST DAY OF PRODUCTION. USE OF A VIBRATORY ROLLER IN DYNAMIC MODE WILL NOT BE ALLOWED WHEN CONSTRUCTING LEVEL BINDER (MACHINE METHOD).

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR ALL HOT-MIX ASPHALT.

THE MATERIAL USED FOR AGGREGATE WEDGE SHOULDERS, TYPE B AND AGGREGATE SURFACE COURSE, TYPE B SHALL BE CRUSHED STONE OR CRUSHED CONCRETE. NUMEROUS ENTRANCES ARE ASPHALT ADJACENT TO THE PAVEMENT AND THEN THE MATERIAL CHANGES TO AGGREGATE. IT IS THE DEPARTMENTS INTENTION TO HAVE THE CONTRACTOR RESURFACE THE ASPHALT AREA WITH INCIDENTAL HOT-MIX ASPHALT SURFACING AND THEN PLACE A 3 FOOT AGGREGATE SURFACE COURSE, TYPE B WEDGE TO ELIMINATE THE DROP OFF WHERE THE MATERIAL TYPECHANGES TO AGGREGATE.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

APPLICATION	AC/PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	QUALITY MANAGEMENT
HMA SURFACE COURSE, MIX "C", N70 (1 1/2")	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QCP
LEVELING BINDER (MACHINE METHOD), N70 (3/4"), FG	PG 64-22	4.0% @ N=70	IL - 9.5	N/A	QCP
HMA SHOULDERS, 8" (TOP LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/QA
HMA SHOULDERS, 8" (BOTTOM LIFT)	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	QC/QA
HMA SHOULDERS, 1 1/2"	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/QA
CLASS D PATCHES	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	QC/QA
INCIDENTAL HOT-MIX ASPHALT SURFACING	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/QA

THE PAY FOR QUALITY CONTROL FOR PERFORMANCE SPECIAL PROVISION SHALL APPLY TO THE FOLLOWING HOT MIX ASPHALT PAY ITEMS:

HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70
LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

HOT MIX ASPHALT	112 LBS/SQ YD/IN
BITUMINOUS MATERIALS (TACK COAT)	
MILLED SURFACE	0.05 LBS/SQ FT
BETWEEN HMA LIFTS	0.025 LBS/SQ FT
GRANULAR MATERIAL	2.05 TONS/CU YD

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\11\084EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 7\Projects\7458\Drawings\CAB\sheets\0774548-sht-index.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			762	(1,2) RS-3	SHELBY	65	3	
	PLOT DATE = 2/3/2017	DATE -	REVISED -			CONTRACT NO. 74548					
						SCALE: NA	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES				80 % FEDERAL 20 % STATE			SUMMARY OF QUANTITIES				80 % FEDERAL 20 % STATE		
				CONSTRUCTION TYPE CODE							CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005	0004	0004	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005	0004	0004
20200100	EARTH EXCAVATION	CU YD	380	380			40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	4958	4950	8	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	60			60	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	170	170		
20800150	TRENCH BACKFILL	CU YD	30	30			44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	840	840		
21301060	EXPLORATION TRENCH 60" DEPTH	FOOT	80	80			44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	1480	1480		
28000305	TEMPORARY DITCH CHECKS	FOOT	160	160			44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	57600	57600		
28000400	PERIMETER EROSION BARRIER	FOOT	100	100			44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	900	900		
28000500	INLET AND PIPE PROTECTION	EACH	2	2			44200050	WELDED WIRE REINFORCEMENT	SQ YD	30	30		
35400300	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	SQ YD	740		370	370	44200956	CLASS B PATCHES, TYPE II, 9 INCH	SQ YD	20	20		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	60	60			44200962	CLASS B PATCHES, TYPE III, 9 INCH	SQ YD	30	30		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	40323	40280	43		44201299	DOWEL BARS 1 1/2"	EACH	70	70		
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	2504	2500	4		44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	600	600		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	210	210			44201831	CLASS D PATCHES, TYPE III, 15 INCH	SQ YD	30			30
40600990	TEMPORARY RAMP	SO YD	530	530			44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SQ YD	110			110
							44213200	SAW CUTS	FOOT	210	210		

				80% FEDERAL 20% STATE							80% FEDERAL 20% STATE		
SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005	0004	0004	CODE NO	ITEM	UNIT		0005	0004	0004
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	830	830		61133100	FIELD TILE JUNCTION VAULTS, 2' DIA.	EACH	3	3			
48203003	HOT-MIX ASPHALT SHOULDERS, 1 1/2"	SO YD	840	840		61140600	STORM SEWERS (SPECIAL), 18"	FOOT	20	20			
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	570	570		64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	3870	3870			
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1		1	67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	5	5			
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1		1	67100100	MOBILIZATION	L SUM	1	1			
50105220	PIPE CULVERT REMOVAL	FOOT	70	70		70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD	EACH	1		1		
50300100	FLOOR DRAINS	EACH	2		2		701321						
51500100	NAME PLATES	EACH	2		2	70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	0.5	0.5		
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2		2		701201						
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	2		2	70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1			
54011002	PRECAST CONCRETE BOX CULVERTS 10' X 2'	FOOT	90		90		701306						
58100200	WATERPROOFING MEMBRANE SYSTEM	SO YD	96		96	70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD	LSUM	1	1			
60624610	CORRUGATED MEDIAN (DOWELLED)	SO FT	900	900			701326						
61101020	STORM SEWERS PROTECTED, CLASS A, 18"	FOOT	70	70		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1			
							701501						
						70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	4		4		

80% FEDERAL
20% STATE

80% FEDERAL
20% STATE

CONSTRUCTION TYPE CODE

CONSTRUCTION TYPE CODE

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
				0005	0004	0004					0005	0004	0004
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1		1		* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	40	40		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	6890	6890			* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	40	40		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	770	770			* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	51280	51280		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	51770	51770			* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	320	320		
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	110	110									
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	40	40			* 78200020	CURB REFLECTORS	EACH	30	30		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	40	40			X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	17430	17430		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	325		325		X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.5	0.5		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	325		325		X4060995	TEMPORARY RAMP, SPECIAL	SO YD	1000	1000		
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2		2		X5429311	TRAVERSABLE PIPE GRATE, SPECIAL	FOOT	90			90
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2		2		X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	28	28		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	490	490			X7200201	WIDTH RESTRICTION SIGNING	LSUM	1			1
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	110	110			* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	490	490		
							* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	110	110		

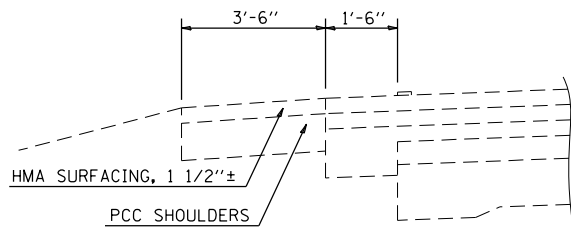
* SPECIALTY ITEM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

FILE NAME =	USER NAME = staffanik	DESIGNED -	REVISED -	SCALE: NA	SHEET 3 OF 4 SHEETS	STA. TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\1084E910INTEG\11\inois.gov\WIDOT\Documents\DOT Offices\District 7\Projects\74548\BROADWAY\CA88aeta\0774548-shr-soa.dgn		CHECKED -	REVISED -				762	(1,2) RS-3	SHELBY	65	6
PLOT SCALE = 1/8"=1'-0"		DATE -	REVISED -				CONTRACT NO. 74548				
PLOT DATE = 2/3/2017							ILLINOIS FED. AID PROJECT				

ADDITIONAL PAVED SHOULDERS
 STA. 465+37.00 - STA. 470+87.00 LT.
 STA. 517+15.93 - STA. 522+61.00 LT.

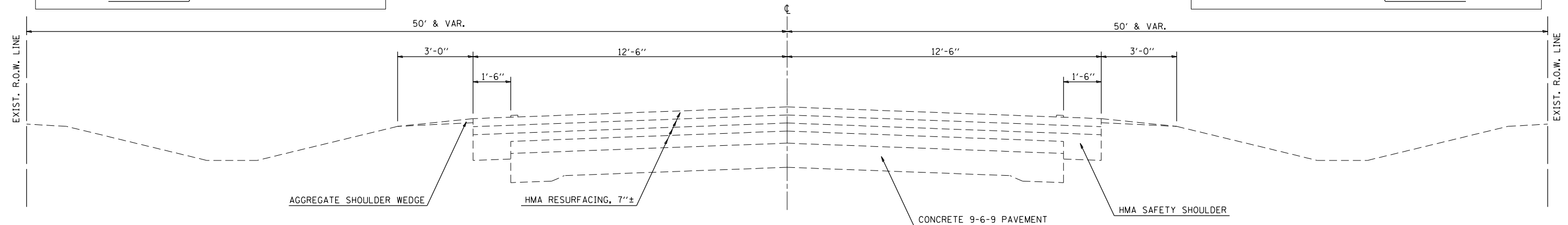
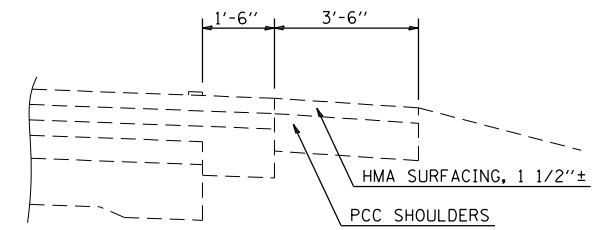


EXISTING TYPICAL CROSS SECTION ①

STATION	TO	STATION
397+11.00		550+20.00 ②
② 562+39.50		569+37.30 ②
② 577+80.30		606+10.40 ③

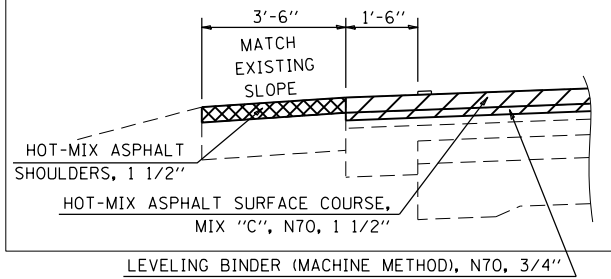
POT STATION 606+10.40 = PC STATION 5+00.00

ADDITIONAL PAVED SHOULDERS
 STA. 465+36.00 - STA. 470+87.00 RT.
 STA. 517+47.93 - STA. 522+61.00 RT.



NOTE: NOT DRAWN TO SCALE

ADDITIONAL PAVED SHOULDERS
 STA. 465+37.00 - STA. 470+87.00 LT.
 STA. 517+15.93 - STA. 522+61.00 LT.

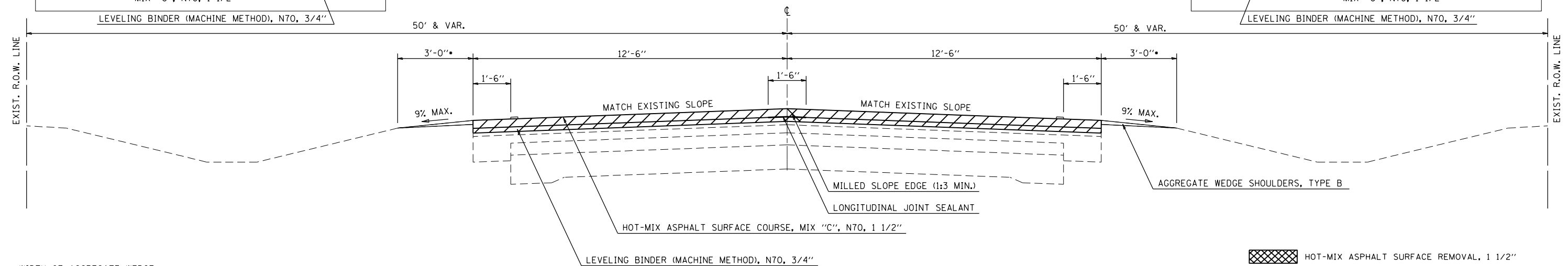
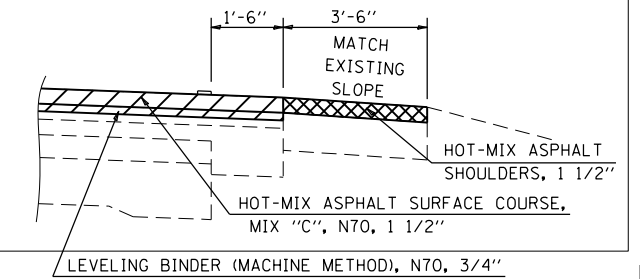


PROPOSED TYPICAL CROSS SECTION ①

STATION	TO	STATION
397+11.00		550+20.00 ②
② 562+39.50		569+37.30 ②
② 577+80.30		606+10.40 ③

POT STATION 606+10.40 = PC STATION 5+00.00

ADDITIONAL PAVED SHOULDERS
 STA. 465+36.00 - STA. 470+87.00 RT.
 STA. 517+47.93 - STA. 522+61.00 RT.



• WIDTH OF AGGREGATE WEDGE SHOULDERS, TYPE B = 2.0' FROM LT STA. 577+80.30 - STA. 606+10.40 RT STA. 577+90.73 - STA. 606+10.40

HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

NOTE: NOT DRAWN TO SCALE

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

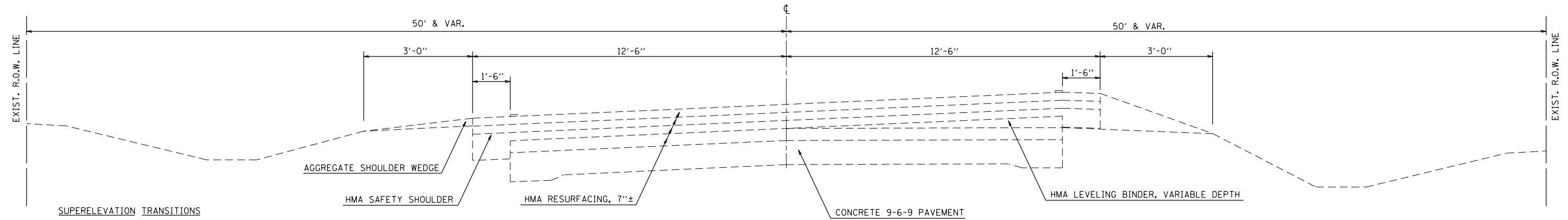
TYPICAL CROSS SECTIONS

SCALE: NA SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) R5-3	SHELBY	65	8
CONTRACT NO. 74548				
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL CROSS SECTION ②

STATION	TO	STATION
① 550+20.00		562+39.50 ①
① 569+37.30		577+80.30 ①



SUPERELEVATION TRANSITIONS

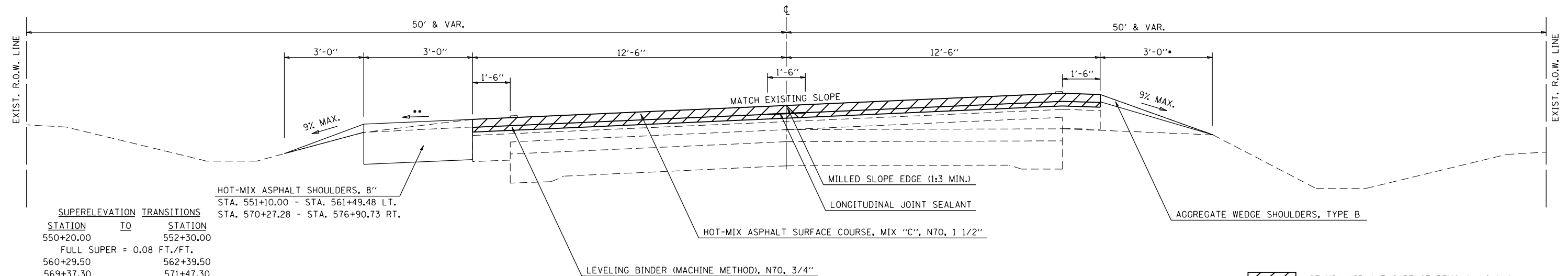
STATION	TO	STATION
550+20.00		552+30.00
FULL SUPER = 0.08 FT./FT.		
560+29.50		562+39.50
569+37.30		571+47.30
FULL SUPER = 0.0625 FT./FT.		
575+70.30		577+80.30

NOTE: NOT DRAWN TO SCALE

PROPOSED TYPICAL CROSS SECTION ②

STATION	TO	STATION
① 550+20.00		562+39.50 ①
① 569+37.30		577+80.30 ①

- WIDTH OF AGGREGATE WEDGE SHOULDERS, TYPE B = 2.0' FROM STA. 570+77.28 - STA. 577+80.30
- 8' HMA SHOULDER SLOPE IS TO MATCH THE EXISTING SUPERELEVATED ROADWAY CROSS SLOPE AND TRANSITION BACK TO 4% CROSS SLOPE ON THE TANGENT RUNOUT SECTIONS



SUPERELEVATION TRANSITIONS

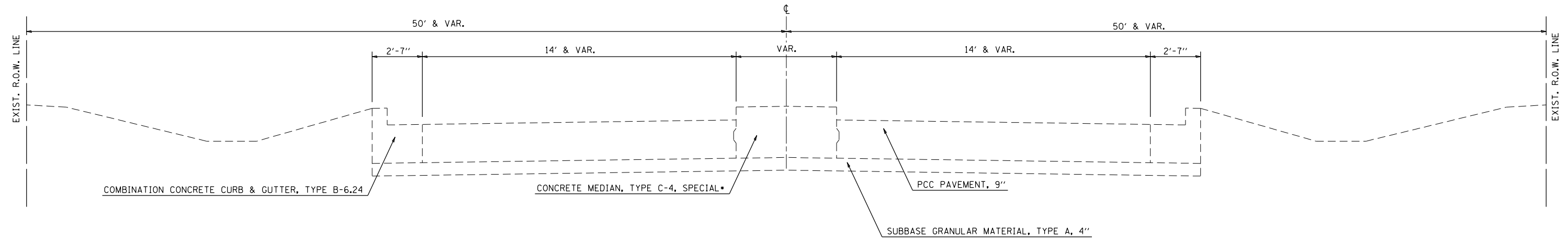
STATION	TO	STATION
550+20.00		552+30.00
FULL SUPER = 0.08 FT./FT.		
560+29.50		562+39.50
569+37.30		571+47.30
FULL SUPER = 0.0625 FT./FT.		
575+70.30		577+80.30

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

NOTE: NOT DRAWN TO SCALE

EXISTING TYPICAL CROSS SECTION ③

① STATION 5+00.00 TO STATION 7+65.64

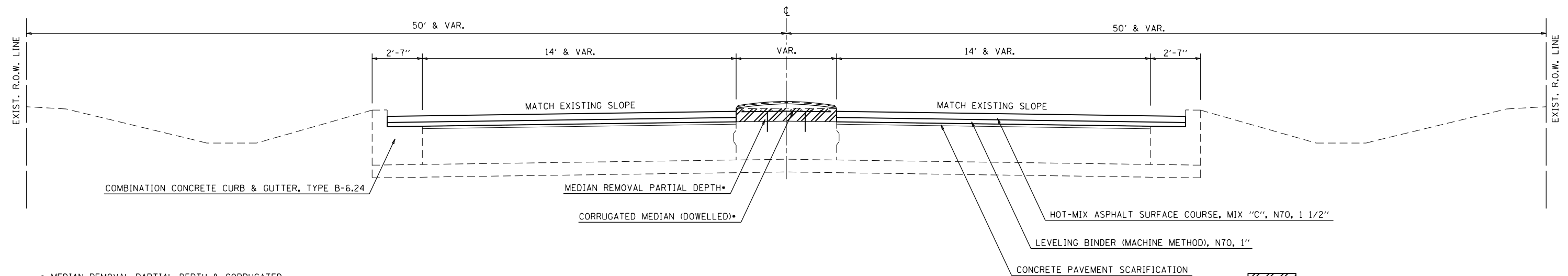


* MEDIAN PAVEMENT TRANSITIONS TO CONCRETE MEDIAN, TYPE SB-6.12 SPECIAL FROM STA. 6+23.94 TO STA. 7+53.08

NOTE: NOT DRAWN TO SCALE

PROPOSED TYPICAL CROSS SECTION ③

① STATION 5+00.00 TO STATION 7+65.64



* MEDIAN REMOVAL PARTIAL DEPTH & CORRUGATED MEDIAN (DOWELLED) SHALL TAKE PLACE WHERE EXISTING CONCRETE MEDIAN, TYPE C-4, SPECIAL IS LOCATED

■ MEDIAN REMOVAL PARTIAL DEPTH

NOTE: NOT DRAWN TO SCALE

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: NA SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) R5-3	SHELBY	65	10
CONTRACT NO. 74548			ILLINOIS FED. AID PROJECT	

SCHEDULE OF QUANTITIES

EARTHWORK

LOCATION	EARTH EXCAVATION 20200100 (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
IL-32 LEFT	173.8	130.4	36.7	93.7
IL-32 RIGHT	205.3	154.0	89.7	64.3
TOTAL =	379.1	284.3	126.4	157.9
ROUND TO:	380.0	290.0	130.0	160.0

NOTES:

- 1- NO SHRINKAGE FACTOR APPLIED TO THE EMBANKMENT QUANTITY
- 2- A 25% EXPANSION FACTOR WAS USED IN COMPUTING BORROW QUANTITY
- 4- NO PAYMENT WILL BE ALLOWED FOR OVERHAUL
- 5- EXCAVATION REQUIRED FOR BITUMINOUS SHOULDERS AND AGGREGATE SHOULDER IS MEASURED AND PAID FOR AS EARTH EXCAVATION

EROSION CONTROL

STATION	LT/RT	TEMPORARY DITCH CHECKS 28000305 (FOOT)
551+00.00	LT	10.0
552+00.00	LT	10.0
553+00.00	LT	10.0
554+00.00	LT	10.0
555+00.00	LT	10.0
556+00.00	LT	10.0
557+00.00	LT	10.0
558+00.00	LT	10.0
559+00.00	LT	10.0
560+00.00	LT	10.0
570+00.00	RT	10.0
571+00.00	RT	10.0
572+00.00	RT	10.0
573+00.00	RT	10.0
574+00.00	RT	10.0
576+00.00	RT	10.0
TOTAL =		160.0

STATION	LT/RT	INLET & PIPE PROTECTION 28000500 (EACH)
556+75.60	LT	1.0
575+30.77	RT	1.0
TOTAL =		2.0

STATION	TO	STATION	LT/RT	PERIMETER EROSION BARRIER 28000400 (FOOT)
401+85.00		402+35.00	LT	50.0
595+25.00		595+75.00	LT	50.0
TOTAL =				100.0

CONCRETE MEDIAN

STATION	TO	STATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SQ FT)	MEDIAN REMOVAL PARTIAL DEPTH 44003510 (SQ FT)	CORRUGATED MEDIAN (DOWELLED) 60624610 (SQ FT)
05+24.88		06+85.29	160.4	VARIES	897.7	897.7	897.7
TOTAL =						897.7	897.7
ROUND TO:						900.0	900.0

* - AREA MEASURED IN CADD

AGGREGATE WEDGE SHOULDERS, TYPE B

STATION	TO	STATION	LT/RT	LENGTH (FEET)	WIDTH (FEET)	AVERAGE THICKNESS (INCH)	VOLUME (CU YD)	AGGREGATE WEDGE SHOULDER, TYPE B 48102100 (TON)
397+11.00		423+53.31	LT	2,642.3	3.0	1.25	30.6	62.7
423+94.69		450+32.39	LT	2,637.7	3.0	1.25	30.5	62.6
450+55.61		465+37.00	LT	1,481.4	3.0	1.25	17.1	35.1
470+87.00		476+91.17	LT	604.2	3.0	1.25	7.0	14.3
477+22.83		477+97.24	LT	74.4	3.0	1.25	0.9	1.8
483+25.78		488+28.41	LT	502.6	3.0	1.25	5.8	11.9
489+98.46		498+51.00	LT	852.5	3.0	1.25	9.9	20.2
499+03.29		499+77.02	LT	73.7	3.0	1.25	0.9	1.7
499+97.00		516+73.71	LT	1,676.7	3.0	1.25	19.4	39.8
522+61.00		524+70.86	LT	209.9	3.0	1.25	2.4	5.0
525+07.06		527+61.40	LT	254.3	3.0	1.25	2.9	6.0
527+61.40		528+11.40	LT	50.0	4.3	1.25	0.8	1.7
531+30.60		531+80.60	LT	50.0	4.3	1.25	0.8	1.7
531+80.60		550+10.00	LT	1,829.4	3.0	1.25	21.2	43.4
550+10.00		551+10.00	LT	100.0	4.5	1.25	1.7	3.6
551+10.00		561+49.48	LT	1,039.5	3.0	1.25	12.0	24.7
561+49.48		562+49.48	LT	100.0	4.5	1.25	1.7	3.6
562+49.48		570+27.28	LT	777.8	3.0	1.25	9.0	18.5
570+27.28		570+77.28	LT	50.0	2.5	1.25	0.5	1.0
570+77.28		571+40.90	LT	63.6	2.0	1.25	0.5	1.0
571+86.90		574+56.45	LT	269.5	2.0	1.25	2.1	4.3
574+89.55		576+40.73	LT	151.2	2.0	1.25	1.2	2.4
576+40.73		576+90.73	LT	50.0	2.0	1.25	0.4	0.8
576+90.73		583+19.17	LT	628.4	2.0	1.25	4.8	9.9
583+64.76		584+42.59	LT	77.8	2.0	1.25	0.6	1.2
584+59.41		584+84.58	LT	25.2	2.0	1.25	0.2	0.4
585+01.41		586+41.18	LT	139.8	2.0	1.25	1.1	2.2
586+66.62		587+35.40	LT	68.8	2.0	1.25	0.5	1.1
587+66.60		588+34.21	LT	67.6	2.0	1.25	0.5	1.1
588+75.79		591+26.87	LT	251.1	2.0	1.25	1.9	4.0
591+77.18		592+32.31	LT	55.1	2.0	1.25	0.4	0.9
593+47.73		595+42.65	LT	194.9	2.0	1.25	1.5	3.1
595+62.43		597+65.50	LT	203.1	2.0	1.25	1.6	3.2
597+94.50		599+68.62	LT	174.1	2.0	1.25	1.3	2.8
600+11.38		601+69.95	LT	158.6	2.0	1.25	1.2	2.5
604+59.41		606+10.40	LT	151.0	2.0	1.25	1.2	2.4
POT STATION 606+10.40 = PC STATION 5+00.00								
05+00.00		05+08.61	LT	8.6	2.0	1.25	0.1	0.1
397+11.00		410+01.94	RT	1,290.9	3.0	1.25	14.9	30.6
410+58.47		417+31.37	RT	672.9	3.0	1.25	7.8	16.0
417+52.99		418+66.29	RT	113.3	3.0	1.25	1.3	2.7
418+81.71		465+36.00	RT	4,654.3	3.0	1.25	53.9	110.4
470+87.00		476+83.35	RT	596.3	3.0	1.25	6.9	14.1
477+20.96		477+61.15	RT	40.2	3.0	1.25	0.5	1.0
483+69.74		517+15.66	RT	3,345.9	3.0	1.25	38.7	79.4
522+61.00		527+61.40	RT	500.4	3.0	1.25	5.8	11.9
527+61.40		528+11.40	RT	50.0	4.3	1.25	0.8	1.7
531+30.60		531+80.60	RT	50.0	4.3	1.25	0.8	1.7
531+80.60		553+43.10	RT	2,162.5	3.0	1.25	25.0	51.3
554+00.90		556+33.63	RT	232.7	3.0	1.25	2.7	5.5
556+64.74		569+27.28	RT	1,262.5	3.0	1.25	14.6	30.0
569+27.28		570+27.28	RT	100.0	4.5	1.25	1.7	3.6
570+27.28		576+90.73	RT	663.5	3.0	1.25	7.7	15.7
576+90.73		577+90.73	RT	100.0	4.0	1.25	1.5	3.2
577+90.73		582+69.59	RT	478.9	2.0	1.25	3.7	7.6
583+28.91		583+90.59	RT	61.7	2.0	1.25	0.5	1.0
584+11.41		598+82.00	RT	1,470.6	2.0	1.25	11.3	23.3
599+00.00		600+56.53	RT	156.5	2.0	1.25	1.2	2.5
600+75.47		603+00.80	RT	225.3	2.0	1.25	1.7	3.6
603+31.21		605+00.80	RT	169.6	2.0	1.25	1.3	2.7
605+90.34		606+10.40	RT	20.1	2.0	1.25	0.2	0.3
POT STATION 606+10.40 = PC STATION 5+00.00								
05+00.00		05+11.46	RT	11.5	2.0	1.25	0.1	0.2
TOTAL =								822.3
ROUND TO:								830.0

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NA SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) R5-3	SHELBY	65	11
CONTRACT NO. 74548				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

TEMPORARY BRIDGE TRAFFIC SIGNALS

LOCATION	TEMPORARY BRIDGE TRAFFIC SIGNALS 70106500 (EACH)
WATERPROOFING S.N. 087-8001	1.0
TOTAL =	1.0

SURVEY MARKERS

STATION	OFFSET	DESCRIPTION	PROTECTING OR RESETTING SURVEY MARKERS Z0049799 EACH	SURVEY MARKER VAULT Z0070202 EACH
588+44.00	11.3' RT.	BRASS STATE OF ILLINOIS DISK (BURIED 1.15') IN 0.8' X 0.8' STEEL VAULT IN CONCRETE. NO LID. AT WEST EDGE OF PAVEMENT.	1	1
410+35 +/-	0.33' LT.	SPIKE DRIVEN IN CRACK OF PAVEMENT	1	1
TOTAL =			2	2

TEMPORARY CONCRETE BARRIER

STATION	TO	STATION	LENGTH (FOOT)	TEMPORARY CONCRETE BARRIER 70400100 (FOOT)	RELOCATE TEMPORARY CONCRETE BARRIER 70400200 (FOOT)
STAGE I TRAFFIC - WATERPROOFING S.N. 087-8001					
528+09.30		529+33.50	125.0	125.0	125.0
529+33.50		530+08.50	75.0	75.0	75.0
530+08.50		531+33.10	125.0	125.0	125.0
TOTAL =				325.0	325.0

FIELD TILE SYSTEMS

STATIONING		LT/RT	TRENCH BACKFILL 20800150 (CU YD)	EXPLORATION TRENCH 60" DEPTH 21301060 (FOOT)	PIPE CULVERT REMOVAL 50105220 (FOOT)	STORM SEWERS PROTECTED, CLASS A, 18" 61101020 (FOOT)	FIELD TILE JUNCTION VAULTS, 2' DIAMETER 61133100 (EACH)	STORM SEWERS (SPECIAL), 18" 61140600 (FOOT)	INSPECTION WELLS Z0030900 (EACH)
FROM	TO								
402+15	402+55	49' RT		40.0					
402+20	402+60	19' LT		40.0					
402+27	402+42	49' RT			70.0				
402+27	402+37	49' RT						10.0	
402+37	402+42	49' RT						5.0	
402+42	402+42	LT/RT	23.4			68.0			
402+27	49' RT						1.0		
402+37	48' RT.								1.0
402+42	19' LT						1.0		
402+42	49' RT						1.0		
GRAND TOTAL =			23.4	80.0	70.0	68.0	3.0	15.0	1.0
ROUND TO:			30.0	80.0	70.0	70.0		20.0	

LONGITUDINAL JOINT SEALANT

STATION	TO	STATION	LENGTH (FOOT)	LONGITUDINAL JOINT SEALANT Z0033700 (FOOT)
397+11.00		479+93.99	8,283.0	8,283.0
481+30.01		529+60.55	4,830.5	4,830.5
529+81.75		606+10.40	7,628.7	7,628.7
TOTAL =				20,742.2
ROUND TO:				20,750.0

CLASS B PATCHING

PATCH NUMBER	LANE	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	WELDED WIRE REINFORCEMENT 44200050 (SQ YD)	CLASS B PATCHES, TYPE II, 9 INCH 44200956 (SQ YD)	CLASS B PATCHES, TYPE III, 9 INCH 44200962 (SQ YD)	DOWEL BARS 1 1/2" 44201299 (EACH)	SAW CUTS 44213200 (FOOT)
IL 32 NORTHBOUND										
38	NB	5+70	14.0	16.0	24.9	24.9		24.9	28.0	90.0
IL 32 SOUTHBOUND										
79	SB	7+50	6.0	15.0	10.0		10.0		28.0	63.0
80	SB	6+90	8.0	8.0	7.1		7.1		14.0	48.0
NB TOTAL =						24.9	0.0	24.9	28.0	90.0
SB TOTAL =						0.0	17.1	0.0	42.0	111.0
GRAND TOTAL =						24.9	17.1	24.9	70.0	201.0
ROUND TO =						30.0	20.0	30.0	70.0	210.0

SCHEDULE OF QUANTITIES

CLASS D PATCHING

PATCH NUMBER	LANE	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	CLASS D PATCHES, TYPE II, 15 INCH 44201827 (SQ YD)
IL 32 NORTHBOUND						
1	NB	405+24	6.0	12.0	8.0	8.0
2	NB	407+46	6.0	12.0	8.0	8.0
3	NB	410+25	6.0	12.0	8.0	8.0
SIDE ROAD 1875N						
4	NB	410+68	4.0	12.0	5.3	5.3
5	NB	412+97	6.0	12.0	8.0	8.0
6	NB	415+56	6.0	12.0	8.0	8.0
7	NB	418+56	4.0	12.0	5.3	5.3
8	NB	420+69	4.0	12.0	5.3	5.3
9	NB	421+76	6.0	12.0	8.0	8.0
10	NB	423+86	8.0	12.0	10.7	10.7
SIDE ROAD 1850N						
11	NB	427+30	6.0	12.0	8.0	8.0
12	NB	430+89	6.0	12.0	8.0	8.0
13	NB	434+64	4.0	12.0	5.3	5.3
14	NB	439+86	4.0	12.0	5.3	5.3
15	NB	442+04	6.0	12.0	8.0	8.0
16	NB	444+19	4.0	12.0	5.3	5.3
17	NB	446+50	4.0	12.0	5.3	5.3
18	NB	448+46	4.0	12.0	5.3	5.3
SIDE ROAD 1800N						
19	NB	451+81	6.0	12.0	8.0	8.0
20	NB	454+05	10.0	12.0	13.3	13.3
21	NB	458+59	6.0	12.0	8.0	8.0
22	NB	464+84	5.0	12.0	6.7	6.7
23	NB	467+29	8.0	12.0	10.7	10.7
24	NB	468+92	6.0	12.0	8.0	8.0
25	NB	470+89	5.0	12.0	6.7	6.7
SIDE ROAD 1750E						
26	NB	484+30	4.0	12.0	5.3	5.3
27	NB	486+65	4.0	12.0	5.3	5.3
28	NB	495+53	8.0	12.0	10.7	10.7
29	NB	510+08	6.0	12.0	8.0	8.0
30	NB	514+25	5.0	12.0	6.7	6.7
SIDE ROAD 1675N						
31	NB	518+90	6.0	12.0	8.0	8.0
32	NB	521+02	4.0	12.0	5.3	5.3
33	NB	528+35	6.0	12.0	8.0	8.0
34	NB	530+87	4.0	12.0	5.3	5.3
SIDE ROAD 1600N						
35	NB	575+79	4.0	12.0	5.3	5.3
36	NB	579+73	5.0	12.0	6.7	6.7
37	NB	583+65	4.0	12.0	5.3	5.3
NB TOTAL =						266.7

PATCH NUMBER	LANE	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	CLASS D PATCHES, TYPE II, 15 INCH 44201827 (SQ YD)
IL 32 SOUTHBOUND						
39	SB	405+24	6.0	12.0	8.0	8.0
40	SB	407+46	6.0	12.0	8.0	8.0
41	SB	410+25	6.0	12.0	8.0	8.0
SIDE ROAD 1875N						
42	SB	410+68	6.0	12.0	8.0	8.0
43	SB	412+97	4.0	12.0	5.3	5.3
44	SB	416+05	10.0	12.0	13.3	13.3
45	SB	418+56	4.0	12.0	5.3	5.3
46	SB	420+69	7.0	12.0	9.3	9.3
47	SB	421+73	6.0	12.0	8.0	8.0
48	SB	423+86	8.0	12.0	10.7	10.7
SIDE ROAD 1850N						
49	SB	427+30	8.0	12.0	10.7	10.7
50	SB	430+89	6.0	12.0	8.0	8.0
51	SB	434+64	5.0	12.0	6.7	6.7
52	SB	437+33	6.0	12.0	8.0	8.0
53	SB	439+86	10.0	12.0	13.3	13.3
54	SB	442+04	6.0	12.0	8.0	8.0
55	SB	444+19	6.0	12.0	8.0	8.0
56	SB	446+50	4.0	12.0	5.3	5.3
57	SB	448+46	6.0	12.0	8.0	8.0
SIDE ROAD 1800N						
58	SB	451+81	8.0	12.0	10.7	10.7
59	SB	454+05	10.0	12.0	13.3	13.3
60	SB	458+47	6.0	12.0	8.0	8.0
61	SB	464+84	5.0	12.0	6.7	6.7
62	SB	467+29	6.0	12.0	8.0	8.0
63	SB	468+92	6.0	12.0	8.0	8.0
64	SB	470+87	5.0	12.0	6.7	6.7
SIDE ROAD 1750E						
65	SB	484+30	4.0	12.0	5.3	5.3
66	SB	486+65	6.0	12.0	8.0	8.0
67	SB	493+20	10.0	12.0	13.3	13.3
68	SB	495+53	8.0	12.0	10.7	10.7
69	SB	510+08	4.0	12.0	5.3	5.3
70	SB	514+25	6.0	12.0	8.0	8.0
SIDE ROAD 1675N						
71	SB	518+90	6.0	12.0	8.0	8.0
72	SB	521+02	4.0	12.0	5.3	5.3
73	SB	528+35	6.0	12.0	8.0	8.0
74	SB	530+87	4.0	12.0	5.3	5.3
75	SB	534+09	6.0	12.0	8.0	8.0
SIDE ROAD 1600N						
76	SB	575+79	6.0	12.0	8.0	8.0
77	SB	579+73	4.0	12.0	5.3	5.3
78	SB	583+65	4.0	12.0	5.3	5.3
SB TOTAL =						325.3
NB TOTAL =						266.7
GRAND TOTAL =						592.0
ROUND TO =						600.0

PATCH NUMBER	LANE	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	CLASS D PATCHES, TYPE III, 15 INCH 44201831 (SQ YD)
PATCHES OVER PROPOSED CULVERT REPLACEMENTS						
----	SB	595+90	16.0	12.5	22.2	22.2
TOTAL =						22.2
ROUND TO:						30.0

PATCH NUMBER	LANE	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	CLASS D PATCHES, TYPE IV, 15 INCH 44201833 (SQ YD)
PATCHES OVER PROPOSED CULVERT REPLACEMENTS						
----	NB	402+30	25.0	14.5	40.3	40.3
----	NB	595+90	16.0	14.5	25.8	25.8
----	SB	402+30	25.0	12.5	34.7	34.7
TOTAL =						100.8
ROUND TO:						110.0

PCC BASE COURSE WIDENING, 8"

STATIONING		LT/RT	LENGTH (FEET)	WIDTH (FEET)	AREA (SQ YD)	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 8" 35400300 (SQ YD)
FROM	TO					
PCC WIDENING FOR PROPOSED BOX CULVERT REPLACEMENTS S.N. 087-8662 & 087-8663						
401+21.80	403+33.80	LT	212.0	2.0	47.1	47.1
594+90.90	595+42.65	LT	51.8	2.0	11.5	11.5
594+62.43	597+03.20	LT	240.8	2.0	53.5	53.5
401+21.80	403+33.80	RT	212.0	4.5	106.0	106.0
594+09.90	597+03.20	RT	293.3	4.5	146.6	146.6
SUBTOTAL 1 =						364.8
ROUND TO:						370.0
PCC WIDENING FOR WATERPROOFING S.N. 087-8001						
528+11.40	529+62.55	LT	151.2	5.5	92.4	92.4
529+79.55	531+30.60	LT	151.0	5.5	92.3	92.3
528+11.40	529+62.55	RT	151.2	5.5	92.4	92.4
529+79.55	531+30.60	RT	151.0	5.5	92.3	92.3
SUBTOTAL 2 =						369.4
ROUND TO:						370.0
GRAND TOTAL =						740.0

SCHEDULE OF QUANTITIES

TEMPORARY RAMPS

STATION	TO	STATION	LT/RT	LENGTH (FEET)	WIDTH (FEET)	AREA (SQ YD)	TEMPORARY RAMP 4060990 (SQ YD)	
IL-32 MAINLINE AFTER MILLING								
397+11.00		397+18.50	---	7.50	25.00	20.8	20.8	
479+86.49		479+93.99	---	7.50	31.50	26.3	26.3	
481+30.01		481+37.51	---	7.50	31.50	26.3	26.3	
529+48.88		529+60.55	---	11.67	25.00	32.4	32.4	
529+81.75		529+93.42	---	11.67	25.00	32.4	32.4	
07+40.64		07+43.97	---	3.33	23.30	8.6	8.6	
07+40.64		07+43.97	---	3.33	39.70	14.7	14.7	
07+57.31		07+65.64	---	8.33	175.60	162.5	162.5	
IL-32 MAINLINE AFTER PLACING LEVEL BINDER								
397+11.00		397+16.00	---	5.00	25.00	13.9	13.9	
479+88.99		479+93.99	---	5.00	31.50	17.5	17.5	
481+30.01		481+35.01	---	5.00	31.50	17.5	17.5	
529+51.38		529+60.55	---	9.17	25.00	25.5	25.5	
529+81.75		529+90.92	---	9.17	25.00	25.5	25.5	
07+60.64		07+65.64	---	5.00	175.60	97.6	97.6	
							TOTAL =	521.4
							ROUND TO:	530.0

LEFT OF PCC MEDIAN
RIGHT OF PCC MEDIAN

STATION	TO	STATION	LT/RT	LENGTH (FEET)	WIDTH (FEET)	AREA (SQ YD)	TEMPORARY RAMP, SPECIAL X4060995 (SQ YD)	
IL-32 SIDE ROADS ADJACENT TO MAINLINE								
409+97.14		410+63.14	RT	66.00	2.00	14.7	14.7	
423+49.00		423+99.00	LT	50.00	2.00	11.1	11.1	
450+30.00		450+58.00	LT	28.00	2.00	6.2	6.2	
476+78.00		477+26.00	RT	48.00	2.00	10.7	10.7	
476+87.00		477+27.00	LT	40.00	2.00	8.9	8.9	
516+71.00		517+19.00	LT	48.00	2.00	10.7	10.7	
517+12.50		517+51.50	RT	39.00	2.00	8.7	8.7	
553+35.00		554+09.00	RT	74.00	2.00	16.4	16.4	
556+31.50		556+69.50	RT	38.00	2.00	8.4	8.4	
583+14.50		583+69.50	LT	55.00	2.00	12.2	12.2	
591+20.50		591+83.50	LT	63.00	2.00	14.0	14.0	
595+39.00		595+81.00	LT	42.00	2.00	9.3	9.3	
599+61.50		600+18.50	LT	57.00	2.00	12.7	12.7	
603+81.50		604+66.50	LT	85.00	2.00	18.9	18.9	
605+16.50		605+93.50	RT	77.00	2.00	17.1	17.1	
IL-32 ENTRANCES ADJACENT TO MAINLINE								
417+28.64		417+55.64	RT	27.00	2.00	6.0	6.0	
418+64.00		418+84.00	RT	20.00	2.00	4.4	4.4	
488+54.50		489+03.50	LT	49.00	2.00	10.9	10.9	
498+83.00		499+05.00	LT	22.00	2.00	4.9	4.9	
499+77.00		499+97.00	LT	20.00	2.00	4.4	4.4	
524+69.00		525+09.00	LT	40.00	2.00	8.9	8.9	
571+57.00		571+89.00	LT	32.00	2.00	7.1	7.1	
574+53.00		574+93.00	LT	40.00	2.00	8.9	8.9	
583+09.00		583+31.00	RT	22.00	2.00	4.9	4.9	
583+88.50		584+13.50	RT	25.00	2.00	5.6	5.6	
584+40.50		584+61.50	LT	21.00	2.00	4.7	4.7	
584+82.50		585+03.50	LT	21.00	2.00	4.7	4.7	
586+39.00		586+69.00	LT	30.00	2.00	6.7	6.7	
587+32.00		587+70.00	LT	38.00	2.00	8.4	8.4	
588+31.50		588+78.50	LT	47.00	2.00	10.4	10.4	
592+30.00		593+50.00	LT	120.00	2.00	26.7	26.7	
597+63.00		597+97.00	LT	34.00	2.00	7.6	7.6	
598+82.00		599+00.00	RT	18.00	2.00	4.0	4.0	
600+55.00		600+77.00	LT	22.00	2.00	4.9	4.9	
601+68.00		603+82.00	LT	214.00	2.00	47.6	47.6	
602+98.50		603+33.50	RT	35.00	2.00	7.8	7.8	
							SUBTOTAL 1 (1 APPLICATION) =	379.3
							SUBTOTAL 1 (2 APPLICATIONS) =	758.7

1875 N
1850 N
1800 N
1750 N
1750 N
1675 N
1675 N
1600 N
1600 N
MINNESOTA
PENNSYLVANIA
OHIO
BROADWAY
MAINE
1515 N

STATION	TO	STATION	LT/RT	LENGTH (FEET)	WIDTH (FEET)	AREA (SQ YD)	TEMPORARY RAMP, SPECIAL X4060995 (SQ YD)	
IL-32 SIDE ROADS ADJACENT TO BUTT JOINT								
410+07.25		410+53.25	RT	46.00	2.00	10.2	10.2	
423+56.00		423+92.00	LT	36.00	2.00	8.0	8.0	
450+34.00		450+54.00	LT	20.00	2.00	4.4	4.4	
476+89.00		477+15.00	RT	26.00	2.00	5.8	5.8	
476+96.00		477+18.00	LT	22.00	2.00	4.9	4.9	
516+77.00		517+13.00	LT	36.00	2.00	8.0	8.0	
517+19.50		517+44.50	RT	25.00	2.00	5.6	5.6	
553+49.00		553+95.00	RT	46.00	2.00	10.2	10.2	
556+37.50		556+57.50	RT	20.00	2.00	4.4	4.4	
583+24.50		583+59.50	LT	35.00	2.00	7.8	7.8	
591+33.00		591+71.00	LT	38.00	2.00	8.4	8.4	
595+46.50		595+72.50	LT	26.00	2.00	5.8	5.8	
599+75.00		600+05.00	LT	30.00	2.00	6.7	6.7	
604+02.00		604+49.00	LT	47.00	2.00	10.4	10.4	
605+23.50		605+86.50	RT	63.00	2.00	14.0	14.0	
IL-32 ENTRANCES ADJACENT TO BUTT JOINT								
417+33.20		417+51.20	RT	18.00	2.00	4.0	4.0	
488+65.00		488+93.00	LT	28.00	2.00	6.2	6.2	
498+86.50		499+01.50	LT	15.00	2.00	3.3	3.3	
524+73.00		525+05.00	LT	32.00	2.00	7.1	7.1	
571+62.50		571+83.50	LT	21.00	2.00	4.7	4.7	
574+62.00		574+84.00	LT	22.00	2.00	4.9	4.9	
583+13.50		583+26.50	RT	13.00	2.00	2.9	2.9	
583+93.00		584+09.00	RT	16.00	2.00	3.6	3.6	
584+45.00		584+57.00	LT	12.00	2.00	2.7	2.7	
584+87.00		584+99.00	LT	12.00	2.00	2.7	2.7	
587+39.50		587+62.50	LT	23.00	2.00	5.1	5.1	
592+35.00		593+45.00	LT	110.00	2.00	24.4	24.4	
597+68.50		597+91.50	LT	23.00	2.00	5.1	5.1	
600+58.00		600+74.00	LT	16.00	2.00	3.6	3.6	
601+71.60		601+90.60	LT	19.00	2.00	4.2	4.2	
602+28.00		602+40.00	LT	12.00	2.00	2.7	2.7	
602+80.50		604+00.50	LT	120.00	2.00	26.7	26.7	
603+03.50		603+28.50	RT	25.00	2.00	5.6	5.6	
							SUBTOTAL 2 (1 APPLICATION) =	234.0
							SUBTOTAL 1 (2 APPLICATIONS) =	758.7
							SUBTOTAL 2 (1 APPLICATION) =	234.0
							GRAND TOTAL =	992.7
							ROUND TO:	1,000.0

1875 N
1850 N
1800 N
1750 N
1750 N
1675 N
1675 N
1600 N
1600 N
MINNESOTA
PENNSYLVANIA
OHIO
BROADWAY
MAINE
1515 N

SCHEDULE OF QUANTITIES

HOT-MIX ASPHALT SURFACE REMOVAL

STATION	TO	STATION	LT/RT	LENGTH (FEET)	WIDTH (FEET)	AREA (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL- BUTT JOINT 40600982 (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" 44000155 (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" 44000158 (SQ YD)	CONCRETE PAVEMENT SCARIFICATION Z0012800 (SQ YD)	
397+11.00		402+30.00	---	519.0	25.0	1,441.7			1,441.7		
402+30.00		465+37.00	---	6,307.0	25.0	17,519.4			17,519.4		
465+37.00		470+87.00	---	550.0	25.0	1,527.8			1,527.8		
470+87.00		479+25.52	---	838.5	25.0	2,329.2			2,329.2		
479+25.52		479+93.99	---	68.5	31.5	239.6			239.6		
PAVING OMISSION: STATION 479+93.99 - STATION 481+30.01											
481+30.01		481+91.92	---	61.9	31.5	216.7			216.7		
481+91.92		488+27.00	---	635.1	25.0	1,764.1			1,764.1		
488+27.00		488+54.50	---	27.5	28.0	85.6			85.6		
488+54.50		499+75.86	---	1,121.4	25.0	3,114.9			3,114.9		
499+75.86		499+98.17	---	22.3	28.0	69.4			69.4		
499+98.17		517+15.93	---	1,717.8	25.0	4,771.6			4,771.6		
517+15.93		517+47.93	---	32.0	25.0	88.9			88.9		
517+47.93		522+61.00	---	513.1	25.0	1,425.2			1,425.2		
522+61.00		529+50.55	---	689.6	25.0	1,915.4			1,915.4		
529+50.55		529+60.55	---	10.0	25.0	27.8	27.8				
529+60.55		529+81.75	---	10.0	25.0	27.8	27.8				
529+81.75		529+91.75	---	10.0	25.0	27.8	27.8				
529+91.75		551+10.00	---	2,118.3	25.0	5,884.0			5,884.0		
551+10.00		561+49.48	---	1,039.5	25.0	2,887.4			2,887.4		
561+49.48		570+27.28	---	877.8	25.0	2,438.3			2,438.3		
570+27.28		576+90.73	---	663.5	25.0	1,842.9			1,842.9		
576+90.73		595+90.00	---	1,899.3	25.0	5,275.7			5,275.7		
595+90.00		598+80.00	---	290.0	25.0	805.6			805.6		
598+80.00		599+02.00	---	22.0	28.0	68.4			68.4		
599+02.00		605+80.40	---	678.4	25.0	1,884.4			1,884.4		
605+80.40		606+10.40	---	30.0	25.0	83.3	83.3				
POT STATION 606+10.40 = PC STATION 5+00.00											
05+00.00		07+40.64	---	240.6	VARIES	799.1				799.1	
07+40.64		07+65.64	---	25.0	25.0	69.4	69.4				
465+37.00		470+87.00	LT	550.0	3.5	213.9		213.9			
465+36.00		470+87.00	RT	551.0	3.5	214.3		214.3			
517+15.93		522+61.00	LT	545.1	3.5	212.0		212.0			
517+47.93		522+61.00	RT	513.1	3.5	199.5		199.5			
TOTAL =							208.3	839.7	57,596.4	799.1	
ROUND TO:							210.0	840.0	57,600.0	800.0	

• - AREA MEASURED IN CADD

LOCATION	STATION	LT/RT	LENGTH (FEET)	AVG. WIDTH (FEET)	AREA (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL, 2" 44000157 (SQ YD)	
PRA	410+30.00	RT	10.0	56.0	62.2	62.2	1875 N
PE	417+42.00	RT	6.0	22.5	15.0	15.0	
PRA	423+74.00	LT	6.0	43.0	28.7	28.7	1850 N
PRA	450+44.00	LT	6.0	24.0	16.0	16.0	1800 N
PRA	477+02.00	RT	10.0	37.0	41.1	41.1	1750 N
PRA	477+07.00	LT	10.0	31.0	34.4	34.4	1750 N
PE	488+79.00	LT	6.0	50.5	33.7	33.7	
• MBT2	498+66.00	LT			26.6	26.6	
PE	498+94.00	LT	10.0	18.5	20.6	20.6	
PRA	516+95.00	LT	10.0	42.0	46.7	46.7	1675 N
PRA	517+32.00	RT	10.0	32.0	35.6	35.6	1675 N
PE	524+89.00	LT	10.0	36.0	40.0	40.0	
PRA	553+72.00	RT	10.0	60.0	66.7	66.7	1600 N
PRA	556+58.00	RT	10.0	29.0	32.2	32.2	1600 N
CE	571+73.00	LT	10.0	26.5	29.4	29.4	
CE	574+73.00	LT	10.0	31.0	34.4	34.4	
• MBT2	582+92.00	RT			31.3	31.3	
PE	583+20.00	RT	10.0	17.5	19.4	19.4	
PRA	583+42.00	LT	10.0	45.0	50.0	50.0	MINNESOTA
PE	584+01.00	RT	10.0	20.5	22.8	22.8	
PE	584+51.00	LT	10.0	16.5	18.3	18.3	
PE	584+93.00	LT	10.0	16.5	18.3	18.3	
CE	587+51.00	LT	10.0	30.5	33.9	33.9	
PRA	591+52.00	LT	10.0	50.5	56.1	56.1	PENNSYLVANIA
PE	592+90.00	LT	10.0	115.0	127.8	127.8	
PRA	595+60.00	LT	10.0	34.0	37.8	37.8	OHIO
PE	597+80.00	LT	10.0	28.5	31.7	31.7	
PRA	599+90.00	LT	10.0	43.5	48.3	48.3	BROADWAY
PE	600+66.00	RT	10.0	19.0	21.1	21.1	
• PE	601+81.00	LT					
• PE	602+35.00	LT	VARIES	222.5	211.5	211.5	
• CE	603+23.00	LT					
PE	603+16.00	RT	10.0	30.0	33.3	33.3	
• PRA	604+28.00	LT	10.0	66.0	73.3	73.3	MAINE
PRA	605+55.00	RT	10.0	70.0	77.8	77.8	1515 N
TOTAL =						1,476.1	
ROUND TO:						1,480.0	

• - AREA MEASURED IN CADD

SCHEDULE OF QUANTITIES

HOT-MIX ASPHALT RESURFACING

STATION	TO	STATION	LT/RT	LENGTH (FEET)	WIDTH (FEET)	AREA (SQ FT)	AREA (SQ YD)	LEVELING BINDER THICKNESS (INCH)	SURFACE COURSE THICKNESS (INCH)	BITUMINOUS MATERIALS (TACK COAT) 40600290 (POUND)	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 40600637 (TON)	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 40603315 (TON)	HOT-MIX ASPHALT SHOULDERS - 1 1/2" 48203003 (SQ YD)	HOT-MIX ASPHALT SHOULDERS, 8" 48203029 (SQ YD)	SHOULDER RUMBLE STRIPS, 8 INCH 64200108 (FOOT)	
397+11.00		402+30.00	---	519.0	25.0	12,975.0	1,441.7	0.75	1.50	973.1	60.6	121.1				
402+30.00		465+37.00	---	6,307.0	25.0	157,675.0	17,519.4	0.75	1.50	11,825.6	735.8	1,471.6				
465+37.00		470+87.00	---	550.0	25.0	13,750.0	1,527.8	0.75	1.50	1,031.3	64.2	128.3				
470+87.00		479+25.52	---	838.5	25.0	20,963.0	2,329.2	0.75	1.50	1,572.2	97.8	195.7				
479+25.52		479+93.99	---	68.5	31.5	2,156.8	239.6	0.75	1.50	161.8	10.1	20.1				
PAVING OMISSION: STATION 479+93.99 - STATION 481+30.01																
481+30.01		481+91.92	---	61.9	31.5	1,950.2	216.7	0.75	1.50	146.3	9.1	18.2				
481+91.92		488+27.00	---	635.1	25.0	15,877.0	1,764.1	0.75	1.50	1,190.8	74.1	148.2				
488+27.00		488+54.50	---	27.5	28.0	770.0	85.6	0.75	1.50	57.8	3.6	7.2				
488+54.50		499+75.86	---	1,121.4	25.0	28,034.0	3,114.9	0.75	1.50	2,102.6	130.8	261.7				
499+75.86		499+98.17	---	22.3	28.0	624.7	69.4	0.75	1.50	46.9	2.9	5.8				
499+98.17		517+15.93	---	1,717.8	25.0	42,944.0	4,771.6	0.75	1.50	3,220.8	200.4	400.8				
517+15.93		517+47.93	---	32.0	25.0	800.0	88.9	0.75	1.50	60.0	3.7	7.5				
517+47.93		522+61.00	---	513.1	25.0	12,826.8	1,425.2	0.75	1.50	962.0	59.9	119.7				
522+61.00		529+50.55	---	689.6	25.0	17,238.8	1,915.4	0.75	1.50	1,292.9	80.4	160.9				
529+50.55		529+60.55	---	10.0	25.0	250.0	27.8	1.00	1.50	18.8	1.6	2.3				
529+60.55		529+81.75	---	10.0	25.0	250.0	27.8	1.00	1.50	18.8	1.6	2.3				
529+81.75		551+10.00	---	2,118.3	25.0	52,956.3	5,884.0	0.75	1.50	3,971.7	247.1	494.3				
551+10.00		561+49.48	---	1,039.5	25.0	25,987.0	2,887.4	0.75	1.50	1,949.0	121.3	242.5				
561+49.48		570+27.28	---	877.8	25.0	21,945.0	2,438.3	0.75	1.50	1,645.9	102.4	204.8				
570+27.28		576+90.73	---	663.5	25.0	16,586.3	1,842.9	0.75	1.50	1,244.0	77.4	154.8				
576+90.73		595+90.00	---	1,899.3	25.0	47,481.7	5,275.7	0.75	1.50	3,561.1	221.6	443.2				
595+90.00		598+80.00	---	290.0	25.0	7,250.0	805.6	0.75	1.50	543.8	33.8	67.7				
598+80.00		599+02.00	---	22.0	28.0	616.0	68.4	0.75	1.50	46.2	2.9	5.7				
599+02.00		605+80.40	---	678.4	25.0	16,960.0	1,884.4	0.75	1.50	1,272.0	79.1	158.3				
605+80.40		606+05.40	---	25.0	25.0	625.0	69.4	0.75	1.50	46.9	2.9	5.8				
606+05.40		606+10.40	---	5.0	25.0	125.0	13.9	0.88	1.50	9.4	0.7	1.2				
POT STATION 606+10.40 = PC STATION 5+00.00																
05+00.00		07+40.64	---	240.6	VARIES	8,082.5	898.1	1.00	1.50	606.2	50.3	75.4				
07+40.64		07+50.64	---	10.0	VARIES	744.0	82.7	1.50	1.50	55.8	6.9	6.9				
07+50.64		07+65.64	---	15.0	VARIES	1,775.0	197.2	1.00	1.50	133.1	11.0	16.6				
465+37.00		470+87.00	LT	550.0	3.5	1,925.0	213.9			96.3		213.9			550.0	
465+36.00		470+87.00	RT	551.0	3.5	1,928.5	214.3			96.4		214.3			551.0	
517+15.93		522+61.00	LT	545.1	3.5	1,907.7	212.0			95.4		212.0			545.1	
517+47.93		522+61.00	RT	513.1	3.5	1,795.7	199.5			89.8		199.5			513.1	
551+10.00		561+49.48	LT	1,039.5	3.0	3,118.4	346.5			77.8				346.5	1,039.5	
570+27.28		576+90.73	RT	663.5	3.0	1,990.4	221.2			49.8				221.2	663.5	
										TOTAL =	40,272.0	2,494.0	4,948.7	839.7	567.6	3,862.1
										ROUND TO:	40,280.0	2,500.0	4,950.0	840.0	570.0	3,870.0
PAVING OVER WATERPROOFING S.N. 087-8001																
529+60.55		529+81.75	LT/RT	----	----	833.0	92.6	0.75	1.50	41.7	3.9	7.8	----	----	----	
										TOTAL =	41.7	3.9	7.8	----	----	----
										ROUND TO:	43.0	4.0	8.0	----	----	----
										GRAND TOTAL =	40,323.0	2,504.0	4,958.0	840.0	570.0	3,870.0

SCHEDULE OF QUANTITIES

INCIDENTAL RESURFACING

LT/RT	STATION	ENTRANCE TYPE	AVERAGE WIDTH (FOOT)	LENGTH (FOOT)	AREA (SQ YD)	INCIDENTAL HOT-MIX ASPHALT SURFACING 40800050 (TON)
RT	410+30	PRA	56.0	10.0	62.2	7.0
RT	417+42	PE	22.5	10.0	25.0	1.7
LT	423+74	PRA	43.0	10.0	47.8	3.2
LT	450+44	PRA	24.0	10.0	26.7	1.8
RT	477+02	PRA	37.0	10.0	41.1	4.6
LT	477+07	PRA	20.5	10.0	22.8	2.6
LT	488+79	PE	50.5	10.0	56.1	3.8
LT	498+66	MBT2		10.0	26.8	3.0
LT	498+94	PE	18.5	10.0	20.6	2.3
LT	516+95	PRA	42.0	10.0	46.7	5.2
RT	517+32	PRA	32.0	10.0	35.6	4.0
LT	524+89	PE	36.0	10.0	40.0	4.5
RT	553+72	PRA	60.0	10.0	66.7	7.5
RT	556+58	PRA	29.0	10.0	32.2	3.6
LT	571+73	CE	26.5	10.0	29.4	3.3
LT	574+73	CE	31.0	10.0	34.4	3.9
RT	582+92	MBT2		10.0	31.3	3.5
RT	583+20	PE	17.5	10.0	19.4	2.2
LT	583+42	PRA	45.0	10.0	50.0	5.6
RT	584+01	PE	20.5	10.0	22.8	2.6
LT	584+51	PE	16.5	10.0	18.3	2.1
LT	584+93	PE	16.5	10.0	18.3	2.1
LT	587+51	CE	30.5	10.0	33.9	3.8
LT	591+52	PRA	50.5	10.0	56.1	6.3
LT	592+90	PE	115.0	10.0	127.8	14.3
LT	595+60	PRA	34.0	10.0	37.8	4.2
LT	597+80	PE	28.5	10.0	31.7	3.5
LT	599+90	PRA	43.5	10.0	48.3	5.4
RT	600+66	PE	19.0	10.0	21.1	2.4
LT	601+81	PE				
LT	602+35	PE	222.5	10.0	247.2	23.7
LT	603+23	CE				
RT	603+16	PE	30.0	10.0	33.3	3.7
LT	604+28	PRA	66.0	10.0	73.3	8.2
RT	605+55	PRA	70.0	10.0	77.8	8.7
RT	6+49	PE	22.0	10.0	24.4	2.7
TOTAL =						167.0
ROUND TO:						170.0

SCHEDULE OF QUANTITIES

PAVEMENT MARKING

LINE/SD/NPZ	LT/RT/CL	LOCATION	STATION	TO	STATION	LENGTH (FEET)	SHORT TERM PAVEMENT MARKING 70300100		SHORT TERM PAVEMENT MARKING REMOVAL 70300150		TEMPORARY PAVEMENT MARKING - LINE 4" 70300220		TEMPORARY PAVEMENT MARKING - LINE 8" 70300250		TEMPORARY PAVEMENT MARKING - LINE 12" 70300260		TEMPORARY PAVEMENT MARKING - LINE 24" 70300280		PAVEMENT MARKING REMOVAL - WATER BLASTING X0327980					
							WHITE	YELLOW			WHITE	YELLOW			WHITE		WHITE		WHITE					
							(FOOT)		(SQ FT)		(FOOT)		(FOOT)		(FOOT)		(FOOT)		(FOOT)		(SQ FT)			
LINE	LT	EL	397+11.00		423+49.00	2,638.0					2,638.0										879.3			
LINE	LT	EL	423+99.00		450+30.00	2,631.0					2,631.0										877.0			
LINE	LT	EL	450+58.00		476+87.00	2,629.0					2,629.0										876.3			
LINE	LT	EL	477+27.00		516+71.00	3,944.0					3,944.0										1314.7			
LINE	LT	EL	517+19.00		583+14.50	6,595.5					6,595.5										2198.5			
LINE	LT	EL	583+69.50		591+20.50	751.0					751.0										250.3			
LINE	LT	EL	591+83.50		595+39.00	355.5					355.5										118.5			
LINE	LT	EL	595+80.74		599+61.50	380.8					380.8										126.9			
LINE	LT	EL	600+18.50		603+82.00	363.5					363.5										121.2			
LINE	LT	EL	604+66.48		606+10.40	143.9					143.9										48.0			
POT STATION 606+10.40 = PC STATION 5+00.00																								
LINE	LT	EL	05+00.00		05+20.12	20.1					20.1										6.7			
LINE	RT	EL	397+11.00		409+97.14	1,286.1					1,286.1										428.7			
LINE	RT	EL	410+63.14		476+78.00	6,614.9					6,614.9										2205.0			
LINE	RT	EL	477+26.94		517+12.50	3,985.6					3,985.6										1328.5			
LINE	RT	EL	517+51.50		553+35.41	3,583.9					3,583.9										1194.6			
LINE	RT	EL	554+08.59		556+31.24	222.7					222.7										74.2			
LINE	RT	EL	556+72.93		605+16.50	4,843.6					4,843.6										1614.5			
LINE	RT	EL	605+93.50		606+10.40	16.9					16.9										5.6			
POT STATION 606+10.40 = PC STATION 5+00.00																								
LINE	RT	EL	05+00.00		05+19.67	19.7					19.7										6.6			
SD	CL	CL	397+11.00		502+62.00	10,551.0		1,055.1		351.7			2,637.8								879.3			
NPZ	CL	CL	502+62.00		512+77.00	1,015.0		101.5		33.8			1,268.8								422.9			
DNPZ	CL	CL	512+77.00		532+32.00	1,955.0		195.5		65.2			3,910.0								1303.3			
NPZ	CL	CL	532+32.00		534+48.00	216.0		21.6		7.2			270.0								90.0			
SD	CL	CL	534+48.00		602+40.00	6,792.0		679.2		226.4			1,698.0								566.0			
NPZ	CL	CL	602+40.00		606+10.40	370.4		37.0		12.3			463.0								154.3			
POT STATION 606+10.40 = PC STATION 5+00.00																								
DNPZ	CL	MEDIAN	05+00.00		07+43.61	243.6		2.5		0.8			487.2								162.4			
LINE	RT	ISLAND	07+37.31		07+65.79	28.5							104.8			35.8					105.7			
LINE	LT	SB	07+44.24			17.7		106.2			35.4								17.7			35.4		
LINE	RT	SB	07+44.71			15.8		94.8			31.6								15.8			31.6		
SD	CL	CL	397+11.00		502+62.00	10,551.0																		
NPZ	CL	CL	502+62.00		512+77.00	1,015.0																		
DNPZ	CL	CL	512+77.00		532+32.00	1,955.0																		
NPZ	CL	CL	532+32.00		534+48.00	216.0																		
SD	CL	CL	534+48.00		551+60.00	1,712.0																		
SD	CL	CL	551+60.00		560+99.48	939.5																		
SD	CL	CL	560+99.48		570+77.28	977.8																		
SD	CL	CL	570+77.28		576+40.74	563.5																		
SD	CL	CL	576+40.74		602+40.00	2,599.3																		
NPZ	CL	CL	602+40.00		605+15.28	275.3																		
NPZ	CL	CL	605+15.28		606+10.40	95.1																		
POT STATION 606+10.40 = PC STATION 5+00.00																								
DNPZ	CL	MEDIAN	05+00.00		05+24.88	24.9																		
DNPZ	LT/RT	MEDIAN	05+24.88		06+23.93	99.1																		
DNPZ	RT	MEDIAN	06+23.93		06+85.29	61.4																		
SUB TOTALS =							201.0	2,092.4			41,025.6	10,734.7												
TOTAL (1 APPLICATION) =								2,293.4		764.5		51,760.3		104.8		35.8		33.5						17,426.1
TOTAL (3 APPLICATIONS) =								6,880.3																
ROUND TO:							6,890.0		770.0		51,770.0		110.0		40.0		40.0						17,430.0	

SD = SKIP DASH SB = STOP BAR EL = EDGE LINE NPZ = CENTERLINE NO PASSING ZONE DNPZ = CENTERLINE DOUBLE NO PASSING ZONE

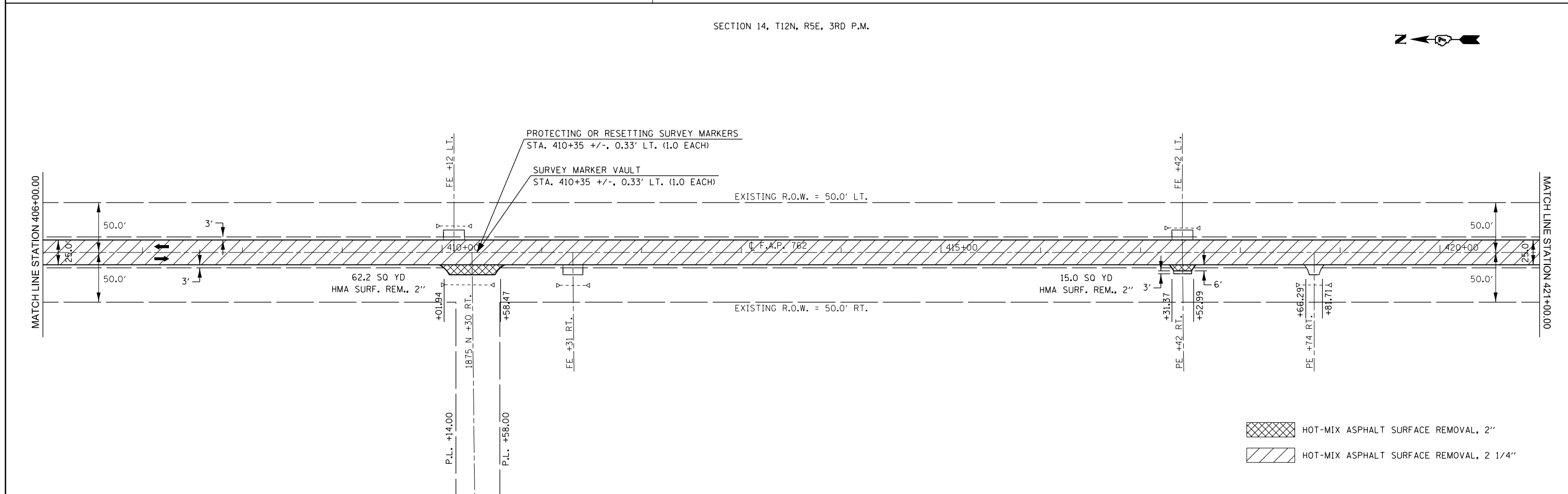
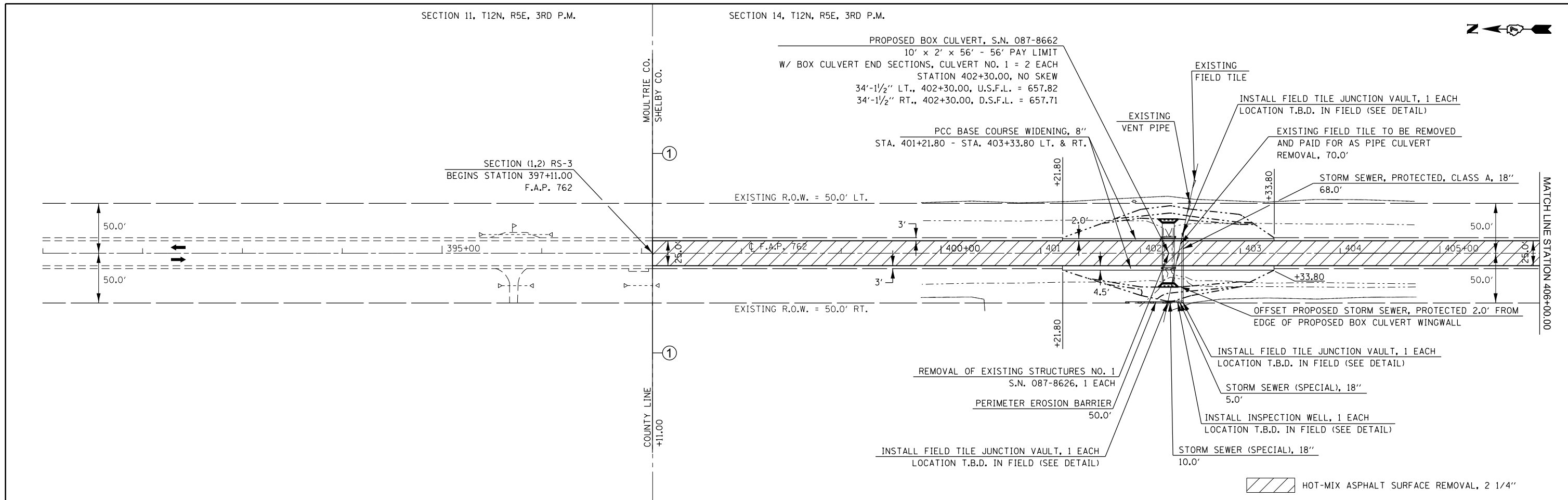
FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 7\Projects\7458\Drawings\CABsheets\0774548-sht-sch.dgn		CHECKED -	REVISED -			762	(1,2) R5-3	SHELBY	65	18
PLOT SCALE = 100.0000' / 1" =		DATE -	REVISED -			CONTRACT NO. 74548				
PLOT DATE = 2/3/2017					SCALE: NA	SHEET 8	OF 9 SHEETS	STA.		TO STA.
ILLINOIS FED. AID PROJECT										

SCHEDULE OF QUANTITIES

PAVEMENT MARKING (CONTINUED)

LINE/SD/NPZ	LT/RT/CL	LOCATION	STATION	TO	STATION	LENGTH (FEET)	THERMOPLASTIC PAVEMENT MARKING - LINE 4" 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 8" 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 12" 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 24" 78000650	PAINT PAVEMENT MARKING - LINE 4" 78001110		RAISED REFLECTIVE PAVEMENT MARKER 78100100		GROOVING FOR RECESSED PAVEMENT MARKING 5" X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 9" X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 13" X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 25" X7830090					
							WHITE	WHITE	WHITE	WHITE	WHITE	YELLOW	ONE-WAY AMBER	TWO-WAY AMBER									
							(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(FOOT)	(FOOT)	(FOOT)	(FOOT)						
LINE	LT	EL	397+11.00		423+49.00	2,638.0						2,638.0											
LINE	LT	EL	423+99.00		450+30.00	2,631.0						2,631.0											
LINE	LT	EL	450+58.00		476+87.00	2,629.0						2,629.0											
LINE	LT	EL	477+27.00		516+71.00	3,944.0						3,944.0											
LINE	LT	EL	517+19.00		583+14.50	6,595.5						6,595.5											
LINE	LT	EL	583+69.50		591+20.50	751.0						751.0											
LINE	LT	EL	591+83.50		595+39.00	355.5						355.5											
LINE	LT	EL	595+80.74		599+61.50	380.8						380.8											
LINE	LT	EL	600+18.50		603+82.00	363.5						363.5											
LINE	LT	EL	604+66.48		606+10.40	143.9						143.9											
POT STATION 606+10.40 = PC STATION 5+00.00																							
LINE	LT	EL	05+00.00		05+20.12	20.1						20.1											
LINE	RT	EL	397+11.00		409+97.14	1,286.1						1,286.1											
LINE	RT	EL	410+63.14		476+78.00	6,614.9						6,614.9											
LINE	RT	EL	477+26.94		517+12.50	3,985.6						3,985.6											
LINE	RT	EL	517+51.50		553+35.41	3,583.9						3,583.9											
LINE	RT	EL	554+08.59		556+31.24	222.7						222.7											
LINE	RT	EL	556+72.93		605+16.50	4,843.6						4,843.6											
LINE	RT	EL	605+93.50		606+10.40	16.9						16.9											
POT STATION 606+10.40 = PC STATION 5+00.00																							
LINE	RT	EL	05+00.00		05+19.67	19.7						19.7											
SD	CL	CL	397+11.00		502+62.00	10,551.0						2,637.8											
NPZ	CL	CL	502+62.00		512+77.00	1,015.0						1,268.8											
DNPZ	CL	CL	512+77.00		532+32.00	1,955.0						3,910.0											
NPZ	CL	CL	532+32.00		534+48.00	216.0						270.0											
SD	CL	CL	534+48.00		602+40.00	6,792.0						1,698.0											
NPZ	CL	CL	602+40.00		606+10.40	370.4						463.0											
POT STATION 606+10.40 = PC STATION 5+00.00																							
DNPZ	CL	MEDIAN	05+00.00		07+43.61	243.6	487.2								487.2								
LINE	RT	ISLAND	07+37.31		07+65.79	28.5		104.8	35.8							104.8	35.8						
LINE	RT	LT SB	07+44.24			17.7				17.7									17.7				
LINE	RT	RT SB	07+44.71			15.8				15.8									15.8				
SD	CL	CL	397+11.00		502+62.00	10,551.0								131									
NPZ	CL	CL	502+62.00		512+77.00	1,015.0								13									
DNPZ	CL	CL	512+77.00		532+32.00	1,955.0								49									
NPZ	CL	CL	532+32.00		534+48.00	216.0								3									
SD	CL	CL	534+48.00		551+60.00	1,712.0								22									
SD	CL	CL	551+60.00		560+99.48	939.5								24									
SD	CL	CL	560+99.48		570+77.28	977.8								13									
SD	CL	CL	570+77.28		576+40.74	563.5								15									
SD	CL	CL	576+40.74		602+40.00	2,599.3								33									
NPZ	CL	CL	602+40.00		605+15.28	275.3								4									
NPZ	CL	CL	605+15.28		606+10.40	95.1								2									
POT STATION 606+10.40 = PC STATION 5+00.00																							
DNPZ	CL	MEDIAN	05+00.00		05+24.88	24.9								2									
DNPZ	LT/RT	MEDIAN	05+24.88		06+23.93	99.1							4										
DNPZ	RT	MEDIAN	06+23.93		06+85.29	61.4							2										
SUB TOTALS =												41,025.6	10,247.5	6	311								
TOTAL (1 APPLICATION) =							487.2	104.8	35.8	33.5	51,273.1		317	487.2	104.8	35.8	33.5						
TOTAL (3 APPLICATIONS) =																							
ROUND TO:							490.0	110.0	40.0	40.0	51,280.0		320	490.0	110.0	40.0	40.0						

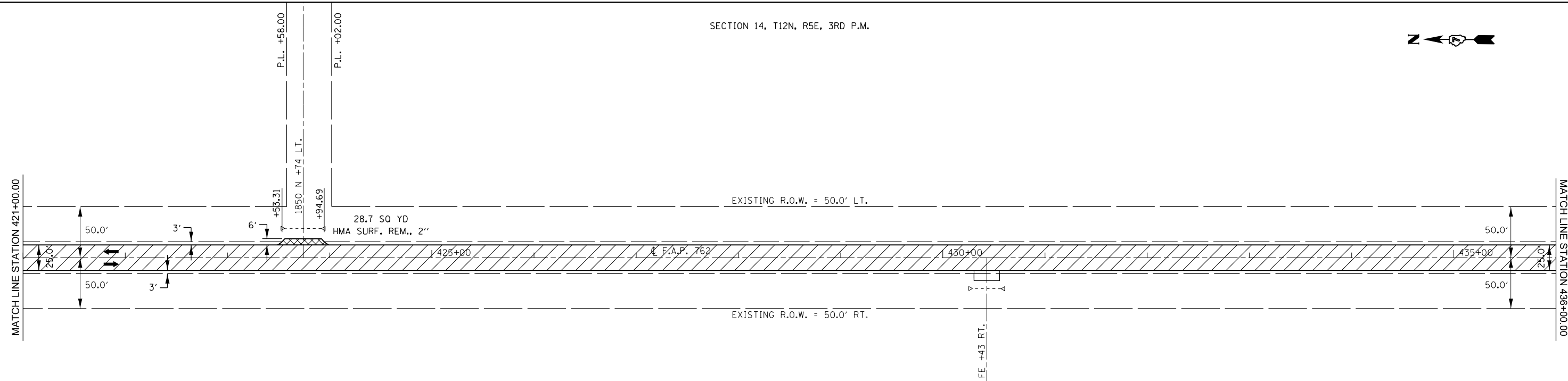
SD = SKIP DASH SB = STOP BAR EL = EDGE LINE NPZ = CENTERLINE NO PASSING ZONE DNPZ = CENTERLINE DOUBLE NO PASSING ZONE



FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET ILL 32	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 7\Projects\74548\Drawings\CAD\Sheets\0774548-sht-plan.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISD -			762	(1,2) RS-3	SHELBY	65	20
Default	PLOT DATE = 2/3/2017	DATE -	REVISD -			CONTRACT NO. 74548				
						ILLINOIS FED. AID PROJECT				

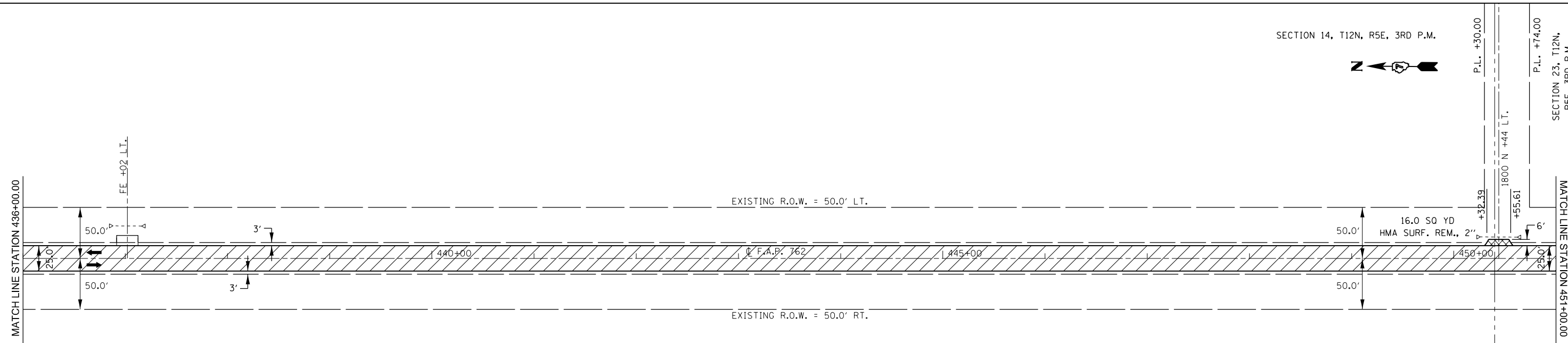
SCALE: SHEET 1 OF 8 SHEETS STA. 397+11.00 TO STA. 421+00.00

SECTION 14, T12N, R5E, 3RD P.M.



- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

SECTION 14, T12N, R5E, 3RD P.M.



- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

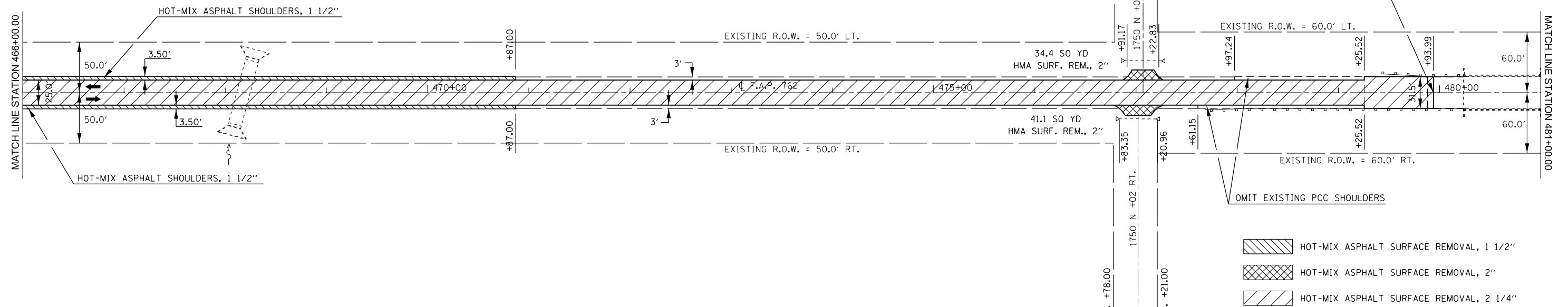
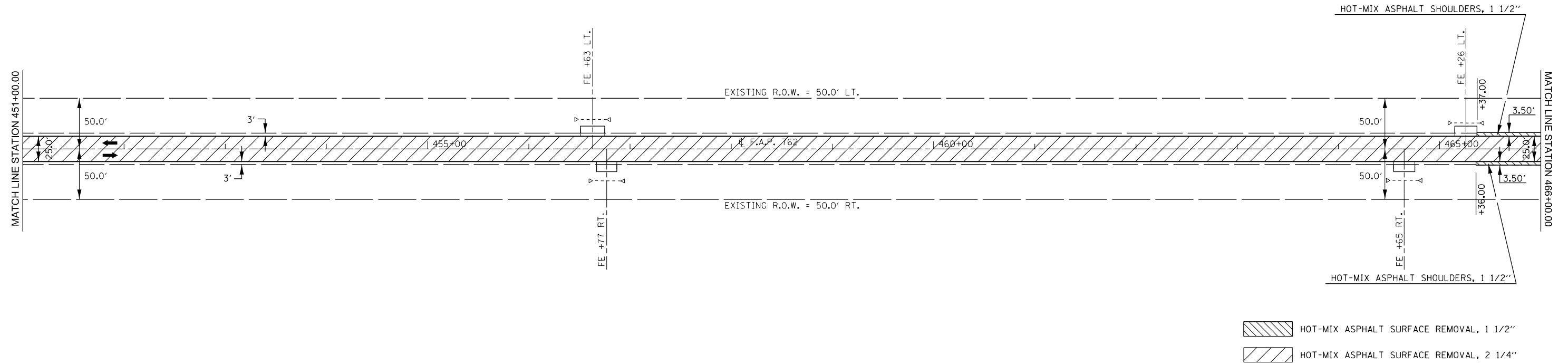
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 2/3/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET ILL 32

SCALE: SHEET 2 OF 8 SHEETS STA. 421+00.00 TO STA. 451+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	21
CONTRACT NO. 74548				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
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Default	PLOT DATE = 2/3/2017	DATE -	REVISED -

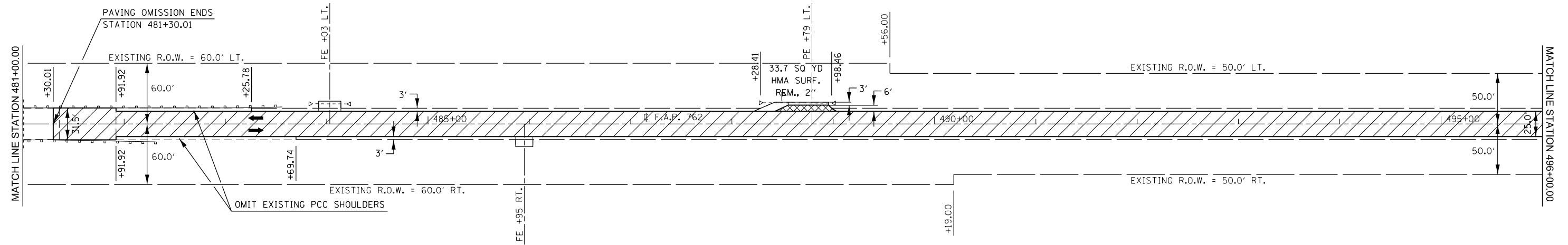
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET ILL 32

SCALE: SHEET 3 OF 8 SHEETS STA. 451+00.00 TO STA. 481+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	22
CONTRACT NO. 74548				
ILLINOIS FED. AID PROJECT				

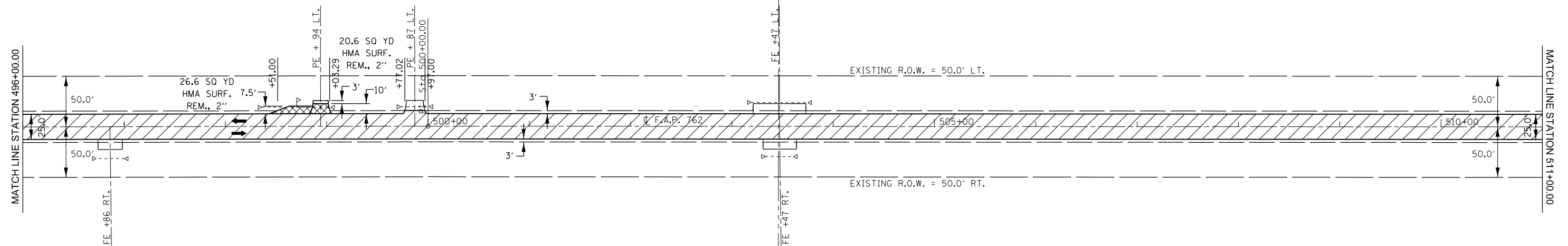
SECTION 23, T12N, R5E, 3RD P.M.



- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

SECTION 23, T12N, R5E, 3RD P.M.

SECTION 26, T12N, R5E, 3RD P.M.



- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
pw:\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 7\Projects\7458\Drawings\CAD\Sheets\0774548-sht-plan.dwg		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
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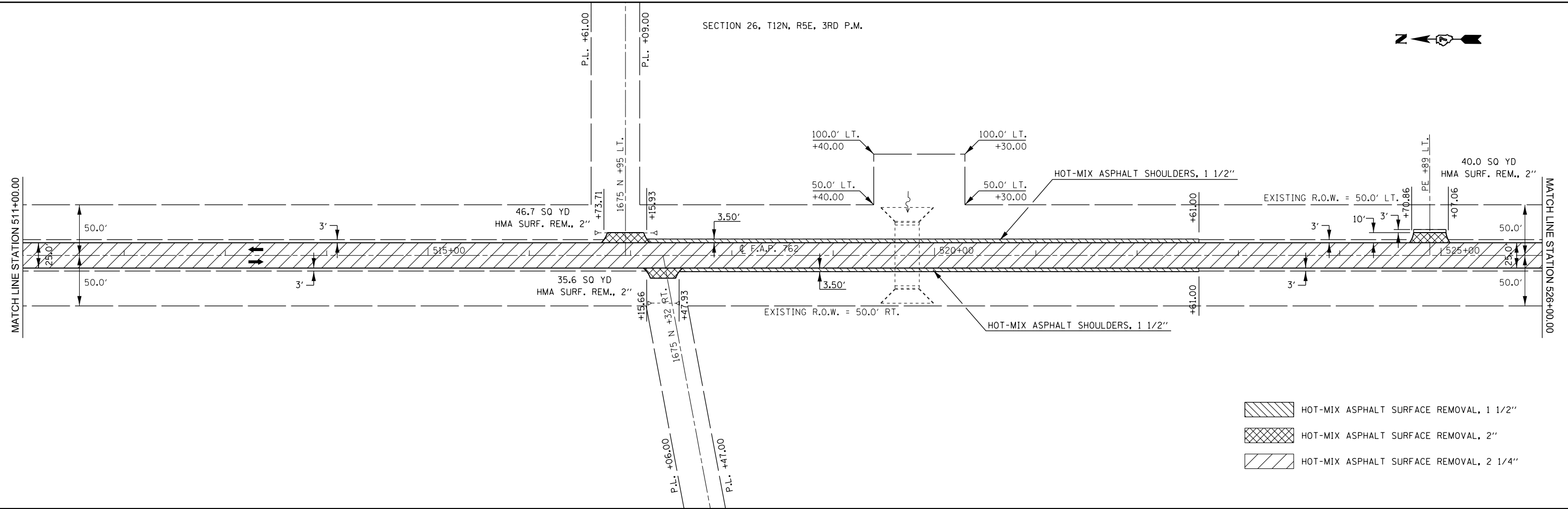
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET ILL 32

SCALE: SHEET 4 OF 8 SHEETS STA. 481+00.00 TO STA. 511+00.00

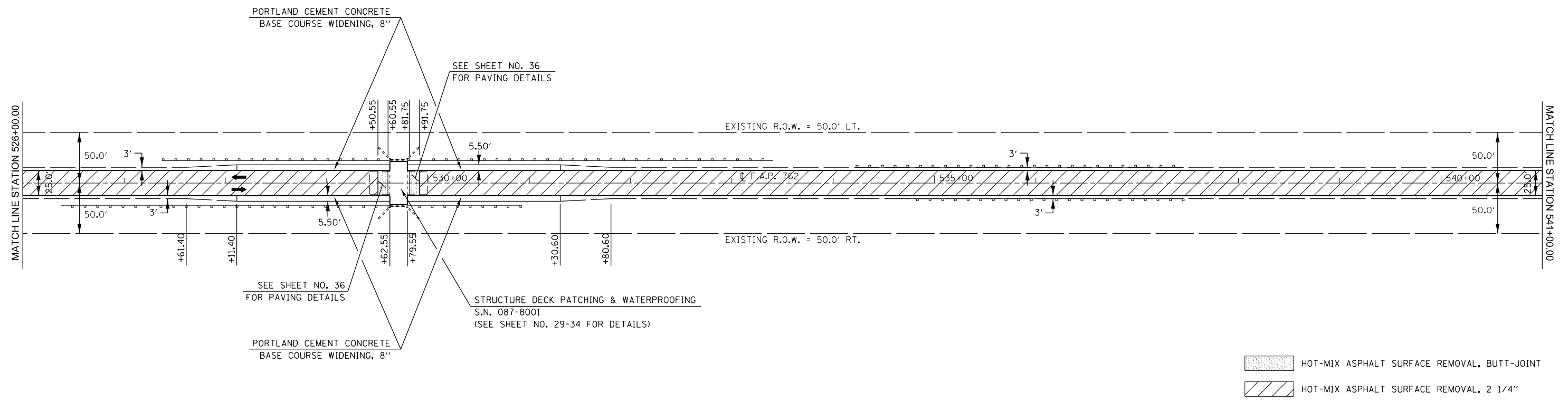
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	23
CONTRACT NO. 74548				
ILLINOIS FED. AID PROJECT				

SECTION 26, T12N, R5E, 3RD P.M.



NOTE: USE EXCAVATED AGGREGATE SHOULDER MATERIAL TO GRADE AGGREGATE SHOULDERS BEHIND PROPOSED PCC BASE COURSE WIDENING TO EXISTING GUARDRAIL POSTS. (9% MAX. CROSS SLOPE)

SECTION 26, T12N, R5E, 3RD P.M.



FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 7\Projects\7458\Drawings\CAD\Sheets\0774548-sht-plan.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 2/3/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET ILL 32

SCALE: SHEET 5 OF 8 SHEETS STA. 511+00.00 TO STA. 541+00.00

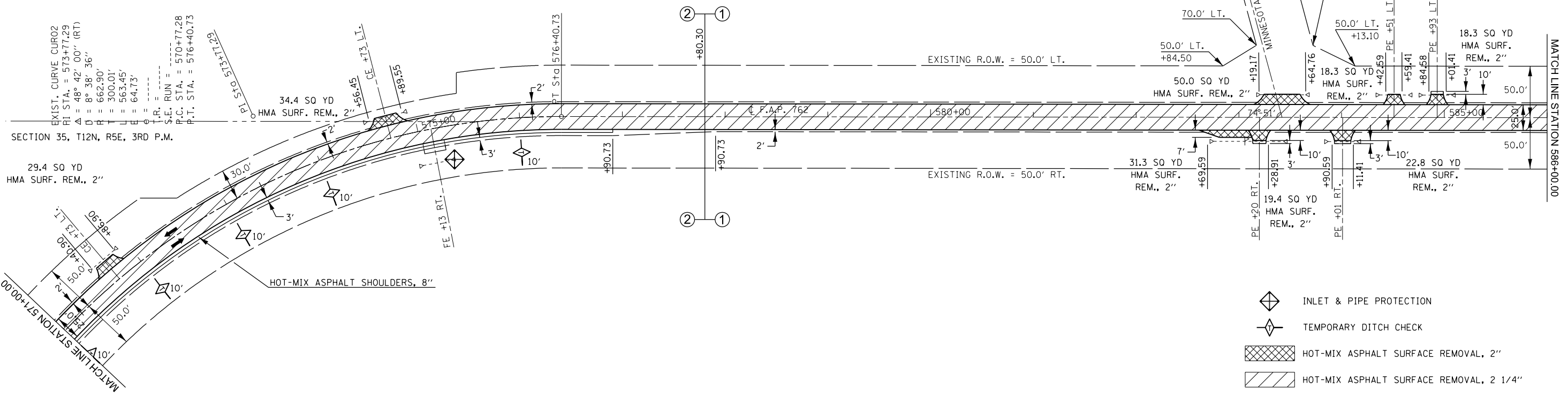
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	24
CONTRACT NO. 74548				
ILLINOIS FED. AID PROJECT				

SECTION 36, T12N, R5E, 3RD P.M.

EXIST. CURVE CUR02
 PI STA. = 573+77.29
 $\Delta = 48^\circ 42' 00''$ (RT)
 $D = 8^\circ 38' 36''$
 $R = 662.90'$
 $T = 300.01'$
 $L = 563.45'$
 $E = 64.73'$
 $\phi =$
 S.E. RUN =
 P.C. STA. = 570+77.28
 P.T. STA. = 576+40.73

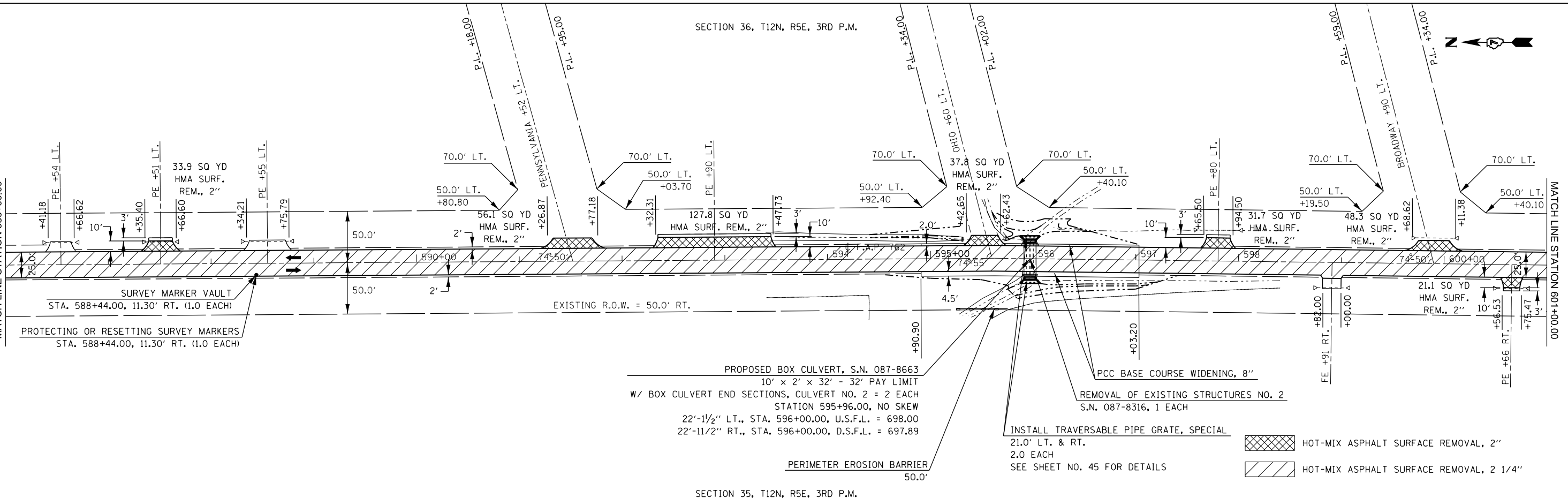
SECTION 35, T12N, R5E, 3RD P.M.

29.4 SQ YD
 HMA SURF. REM., 2"



- INLET & PIPE PROTECTION
- TEMPORARY DITCH CHECK
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

SECTION 36, T12N, R5E, 3RD P.M.



PROPOSED BOX CULVERT, S.N. 087-8663
 10' x 2' x 32' - 32" PAY LIMIT
 W/ BOX CULVERT END SECTIONS, CULVERT NO. 2 = 2 EACH
 STATION 595+96.00, NO SKEW
 22'-1 1/2" LT., STA. 596+00.00, U.S.F.L. = 698.00
 22'-11 1/2" RT., STA. 596+00.00, D.S.F.L. = 697.89

REMOVAL OF EXISTING STRUCTURES NO. 2
 S.N. 087-8316, 1 EACH

INSTALL TRAVERSABLE PIPE GRATE, SPECIAL
 21.0' LT. & RT.
 2.0 EACH
 SEE SHEET NO. 45 FOR DETAILS

- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

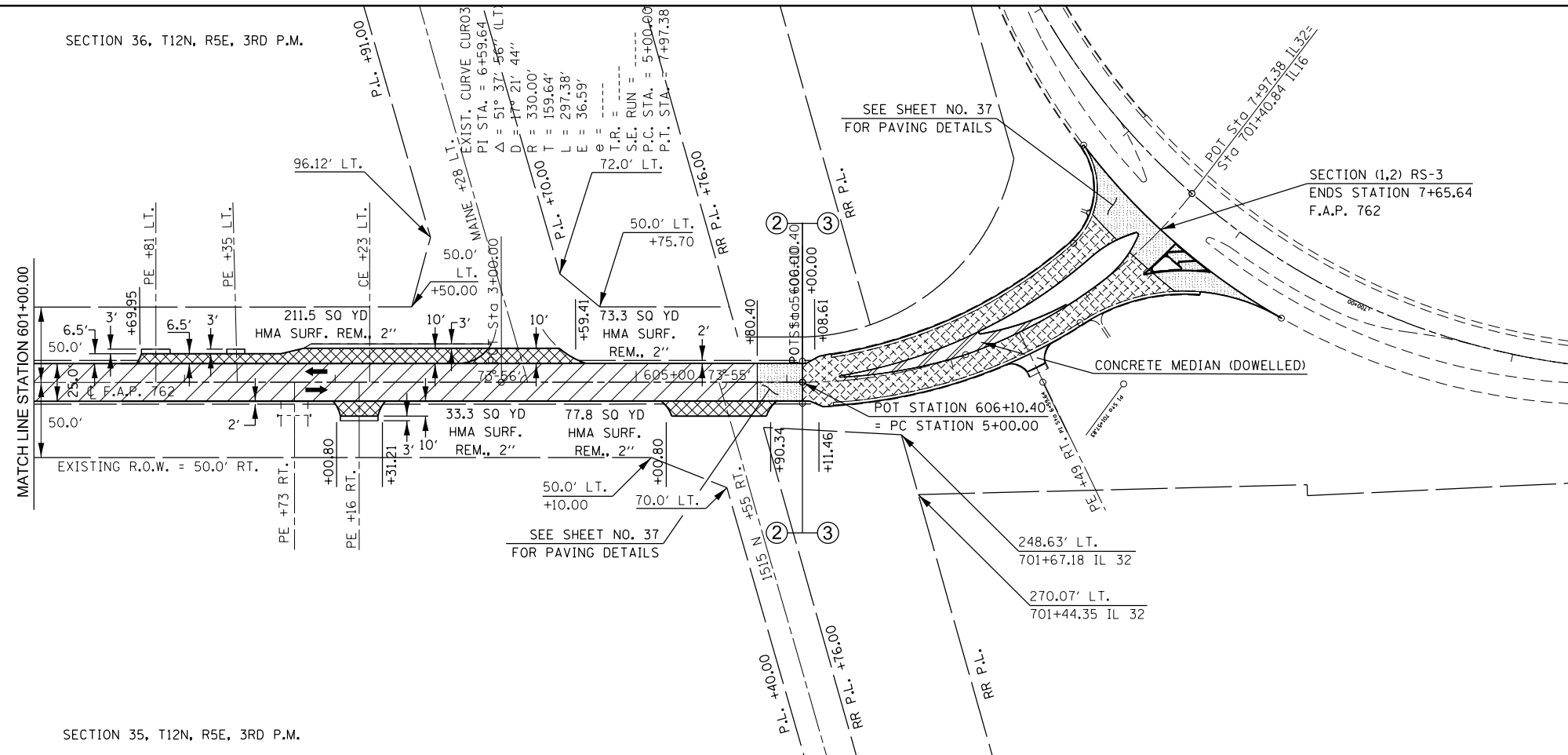
SECTION 35, T12N, R5E, 3RD P.M.

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET ILL 32	F.A.P. RT. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\1\084EBIDINTEG.111nois.gov\PIWDDT\Documents\DOT Offices\District 7\Projects\7458\Drawings\CAD\Sheets\0774548-sht-plan.dgn	DRAWN to CAD sheets\0774548-sht-plan.dgn	CHECKED -	REVISED -			762	(1,2) RS-3	SHELBY	65	26
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 74548				
Default	PLOT DATE = 2/3/2017	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: SHEET 7 OF 8 SHEETS STA. 571+00.00 TO STA. 601+00.00



SECTION 36, T12N, R5E, 3RD P.M.



SECTION 35, T12N, R5E, 3RD P.M.

- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- CONCRETE PAVEMENT SCARIFICATION
- MEDIAN REMOVAL PARTIAL DEPTH
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET ILL 32	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
						762	(1,2) RS-3	SHELBY	65	27	
						CONTRACT NO. 74548					
						ILLINOIS FED. AID PROJECT					
				SCALE:		SHEET 8 OF 8 SHEETS STA. 601+00.00 TO STA. 7+65.64					

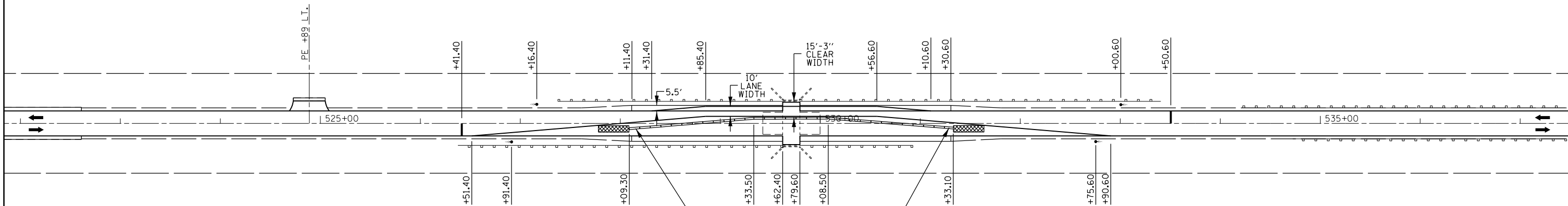
PRE STAGE 1 SEQUENCE OF OPERATIONS

1. SET UP TRAFFIC CONTROL PER STANDARD 701201.
2. CONSTRUCT PCC BASE COURSE WIDENING FOR STAGE I TRAFFIC.

STAGE I SEQUENCE OF OPERATIONS

1. ERECT SIGNS, TRAFFIC SIGNALS, TEMPORARY BARRIERS, ETC. ACCORDING TO TRAFFIC CONTROL STANDARD 701321 AND THE DETAILS ON THE PLANS.
2. PERFORM STAGE I WATERPROOFING OPERATIONS FOR S.N. 087-8001.
3. CONSTRUCT BASE COURSE WIDENING FOR STAGE II TRAFFIC.

S.N. 087-8001 WATERPROOFING TRAFFIC CONTROL LAYOUT - STAGE 1



NOTE: SEE TRAFFIC CONTROL STANDARD 701321 FOR LAYOUT OF TRAFFIC CONTROL DEVICES NOT SHOWN ON THIS DETAIL. ALL PAVEMENT MARKING SHOWN ON THIS DETAIL AS WELL AS THE CORRESPONDING TRAFFIC CONTROL STANDARD SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL STANDARD BEING UTILIZED AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. REMOVAL OF THESE PAVEMENT MARKINGS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL STANDARD AS WELL.

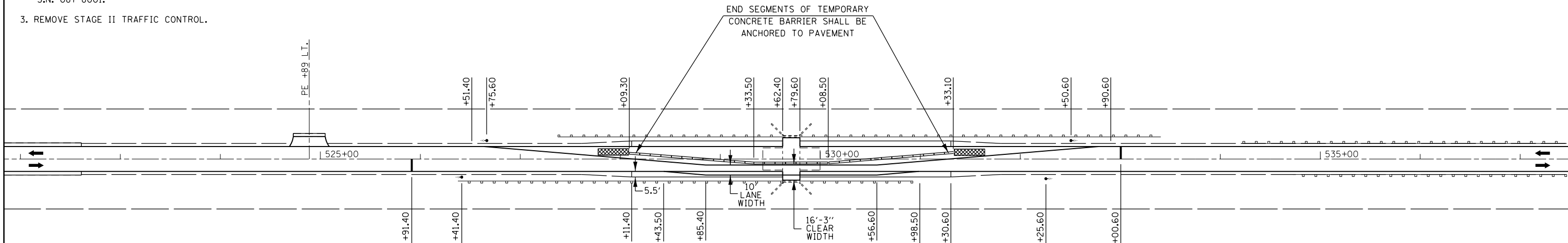
SEE WATERPROOFING DETAIL SHEETS FOR FURTHER INFORMATION ON TRAFFIC STAGING DURING WATERPROOFING OPERATIONS.

- STOP BAR
- TEMPORARY BRIDGE TRAFFIC SIGNALS
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER

STAGE 2 SEQUENCE OF OPERATIONS

1. RELOCATE TEMPORARY CONCRETE BARRIER, SIGN, ETC. ACCORDING TO TRAFFIC CONTROL STANDARD 701321 AND THE DETAILS IN THE PLANS.
2. PERFORM STAGE II WATERPROOFING OPERATIONS FOR S.N. 087-8001.
3. REMOVE STAGE II TRAFFIC CONTROL.

S.N. 087-8001 WATERPROOFING TRAFFIC CONTROL LAYOUT - STAGE 2



NOTE: SEE TRAFFIC CONTROL STANDARD 701321 FOR LAYOUT OF TRAFFIC CONTROL DEVICES NOT SHOWN ON THIS DETAIL. ALL PAVEMENT MARKING SHOWN ON THIS DETAIL AS WELL AS THE CORRESPONDING TRAFFIC CONTROL STANDARD SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL STANDARD BEING UTILIZED AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. REMOVAL OF THESE PAVEMENT MARKINGS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL STANDARD AS WELL.

SEE WATERPROOFING DETAIL SHEETS FOR FURTHER INFORMATION ON TRAFFIC STAGING DURING WATERPROOFING OPERATIONS.

- STOP BAR
- TEMPORARY BRIDGE TRAFFIC SIGNALS
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
p:\1\084EBID\INTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 7\Projects\7458\DRAWING\CAD\Sheets\D774548-sht-plan.dgn		CHECKED -	REVISED -
		DATE -	REVISED -
Default	PLOT DATE = 2/3/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**S.N. 087-8001
TRAFFIC CONTROL LAYOUT**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	28
CONTRACT NO. 74548				
ILLINOIS FED. AID PROJECT				

TOTAL BILL OF MATERIALS

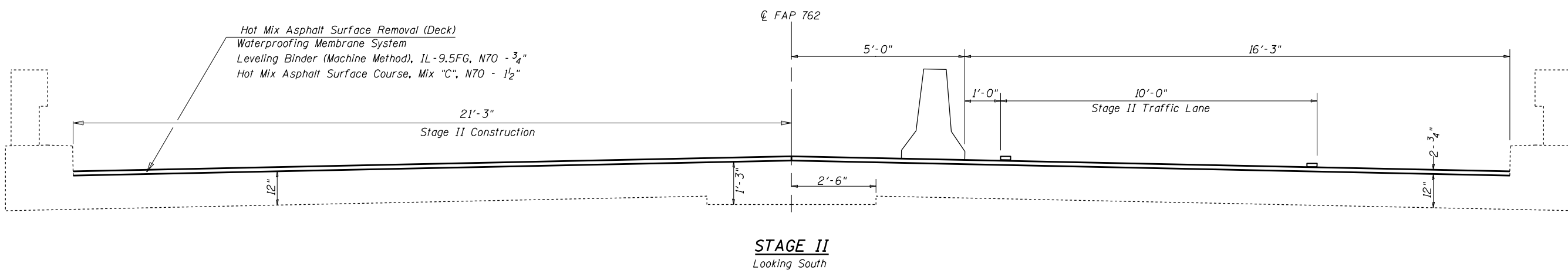
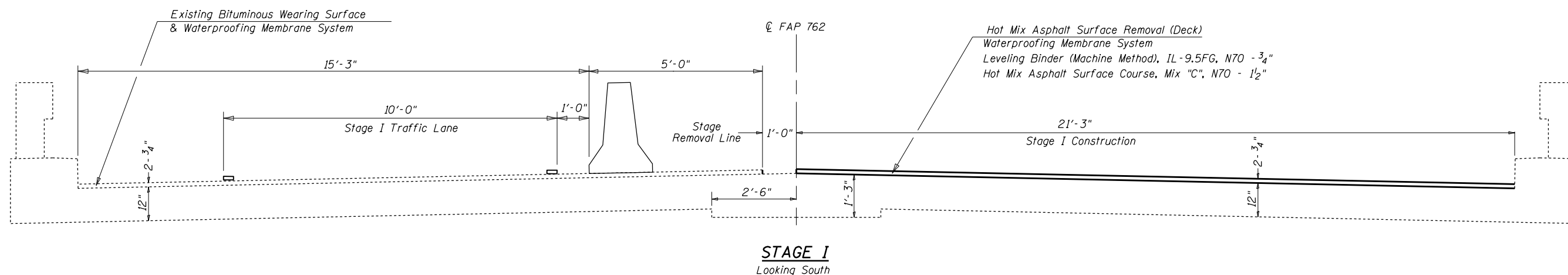
SN 087-8001

ITEM DESCRIPTION	UNIT	QUANTITY
Hot-Mix Asphalt Surface Removal (Deck)	Sq. Yd.	95
Hot-Mix Asphalt Surface Course, Mix "C", N70	Ton	8.0
Leveling Binder (Machine Method), IL-9.5FG, N70	Ton	4.0
Bituminous Materials (Tack Coat)	Pound	43
Deck Slab Repair (Partial Depth)	Sq. Yd.	12
Deck Slab Repair (Full Depth Type I)	Sq. Yd.	2
Deck Slab Repair (Full Depth Type II)	Sq. Yd.	10
Waterproofing Membrane System	Sq. Yd.	96
Floor Drains	Each	2

GENERAL NOTES

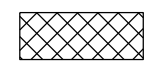
Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensations for a change in scope of the work; however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.

Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on as-built plans.



SHEET NO. 2
6 SHEETS

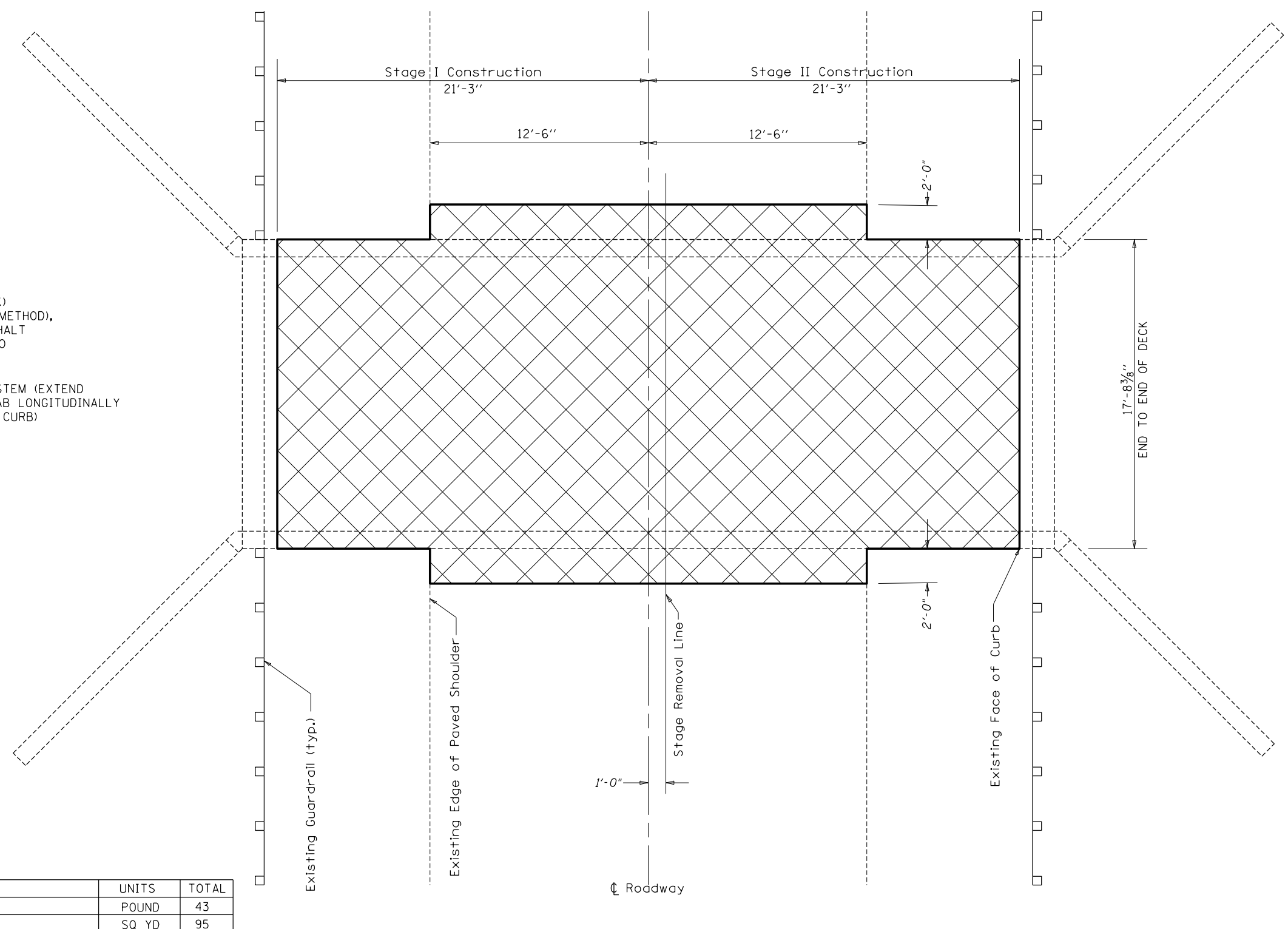
FILE NAME =	USER NAME = steffenk	DESIGNED - S. Kassel	REVISED - D. Macklin	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION, GENERAL NOTES & BILL OF MATERIALS SN. 087-8001			F.A.P. RTE. = 762	SECTION = (1,2)RS-3	COUNTY = Shelby	TOTAL SHEETS = 65	SHEET NO. = 30	
DRAWN BY = S. Kassel								SCALE: N/A	SHEET NO. 2 OF 6 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
PLOT SCALE = 40.0000' / in.					CHECKED - D. Macklin								
PLOT DATE = 2/3/2017					DATE = 11/28/2016								



H.M.A. SURFACE REMOVAL (DECK) & LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 & HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70



WATERPROOFING MEMBRANE SYSTEM (EXTEND W.M.S. 2'-0" PAST END OF SLAB LONGITUDINALLY & TRANSVERSELY TO FACE OF CURB)



PLAN VIEW

BILL OF MATERIALS

ITEM	UNITS	TOTAL
BITUMINOUS MATERIALS (TACK COAT)	POUND	43
HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	95
Leveling Binder (Machine Method), IL-9.5FG, N70	TON	4.0
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	8.0
WATERPROOFING MEMBRANE SYSTEM	SQ YD	96

SHEET NO. 3
6 SHEETS

FILE NAME =	USER NAME = steffenk	DESIGNED - D. Macklin	REVISED -
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	PLOT DATE = 2/3/2017	DATE - 12-01-2016	REVISED -

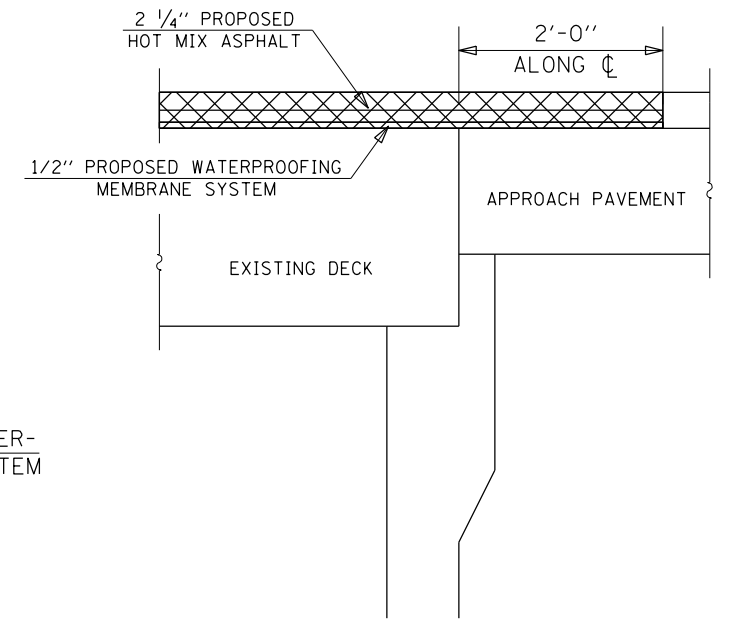
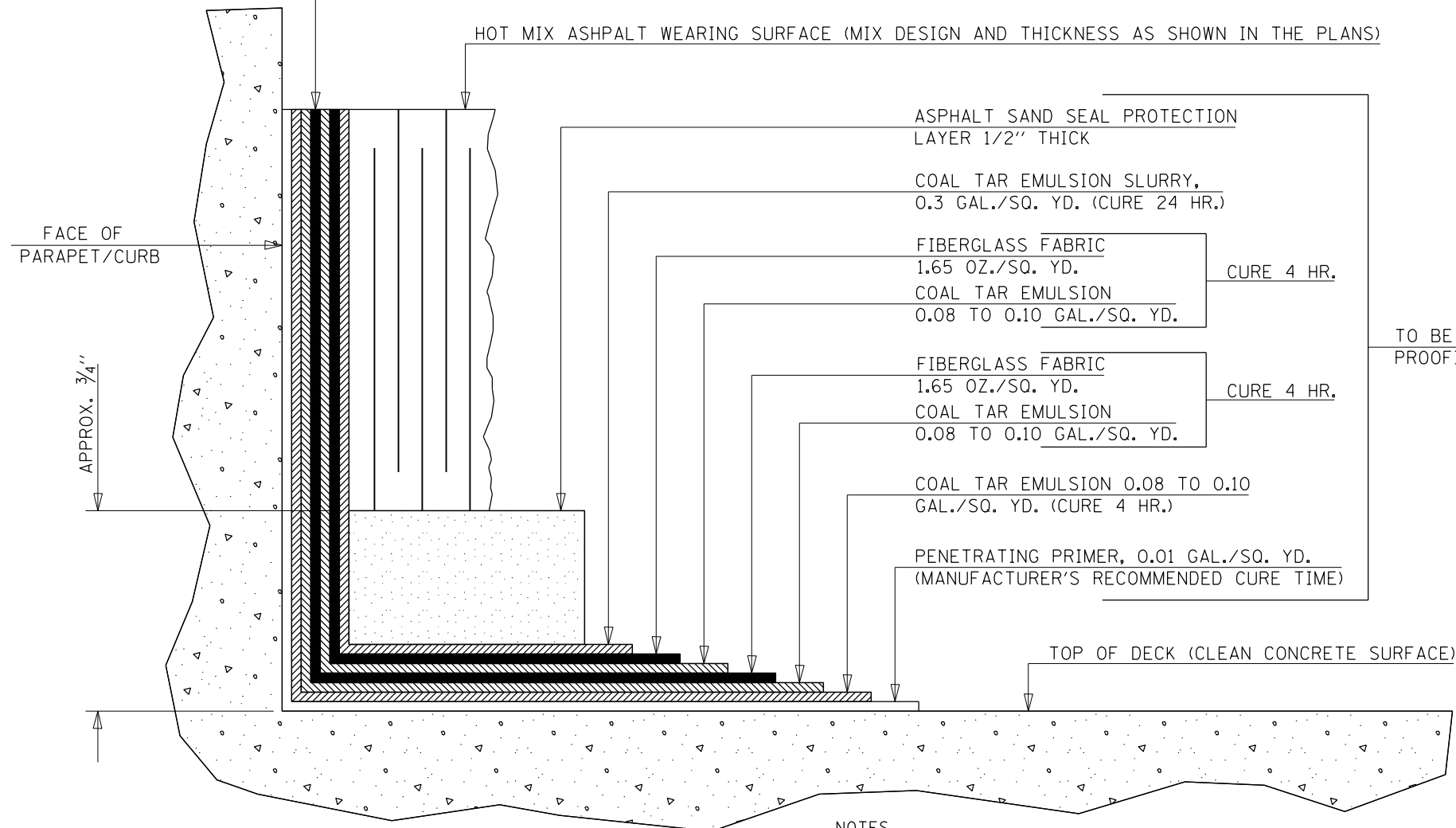
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK WEARING SURFACE PLAN
SN. 087-8001

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2)RS-3	Shelby	65	31
			CONTRACT NO. 74548	
ILLINOIS FED. AID PROJECT				

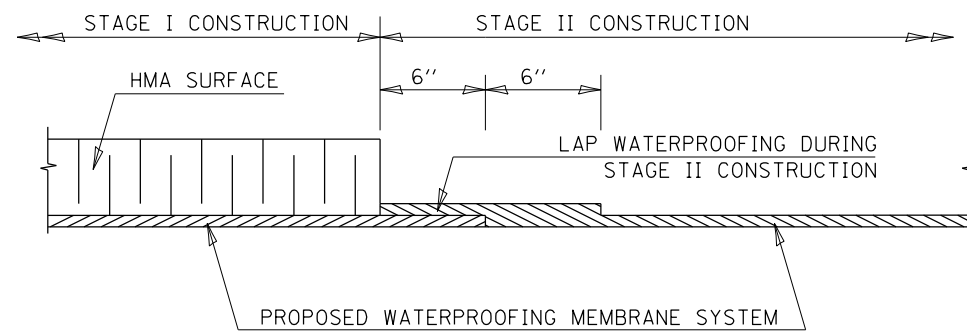
EXTEND WATERPROOFING MEMBRANE SYSTEM TO TOP OF HOT MIX ASPHALT SURFACE, UNLESS OTHERWISE NOTED.



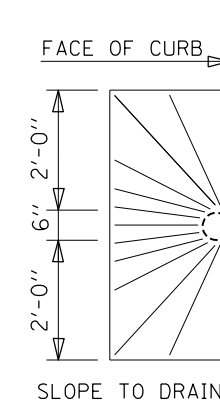
SECTION AT ABUTMENT
(VIEW OF WATERPROOFING MEMBRANE AT JOINT)

NOTES

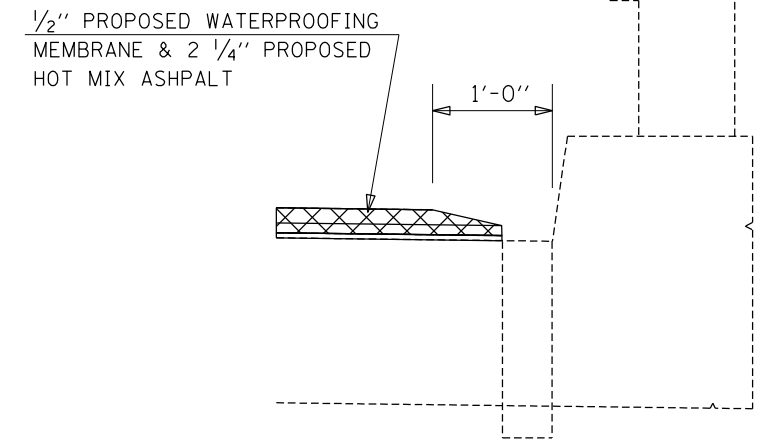
THIS DETAIL HAS BEEN INCLUDED TO ILLUSTRATE THE ASSOCIATED LAYERS AND CURE TIMES NECESSARY FOR THE PLACEMENT OF THE WATERPROOFING MEMBRANE SYSTEM. THIS DETAIL SHALL SUPPLEMENT, NOT SUPERSEDE, SECTION 581 OF THE STANDARD SPECIFICATIONS.



WATERPROOFING TREATMENT
AT STAGE CONSTRUCTION



PLAN VIEW
AT CURB DRAIN



SECTION AT
CURB DRAIN

FILE NAME =	USER NAME = steffenmk	DESIGNED - D. Macklin	REVISED -
pw:\IL\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 7\Projects\7458\084EBID\CAD\Sheet\Structure-087\084EBID		CHECKED - S. Kassel	REVISED -
Default	PLOT DATE = 2/3/2017	DATE - 12-01-2016	REVISED -

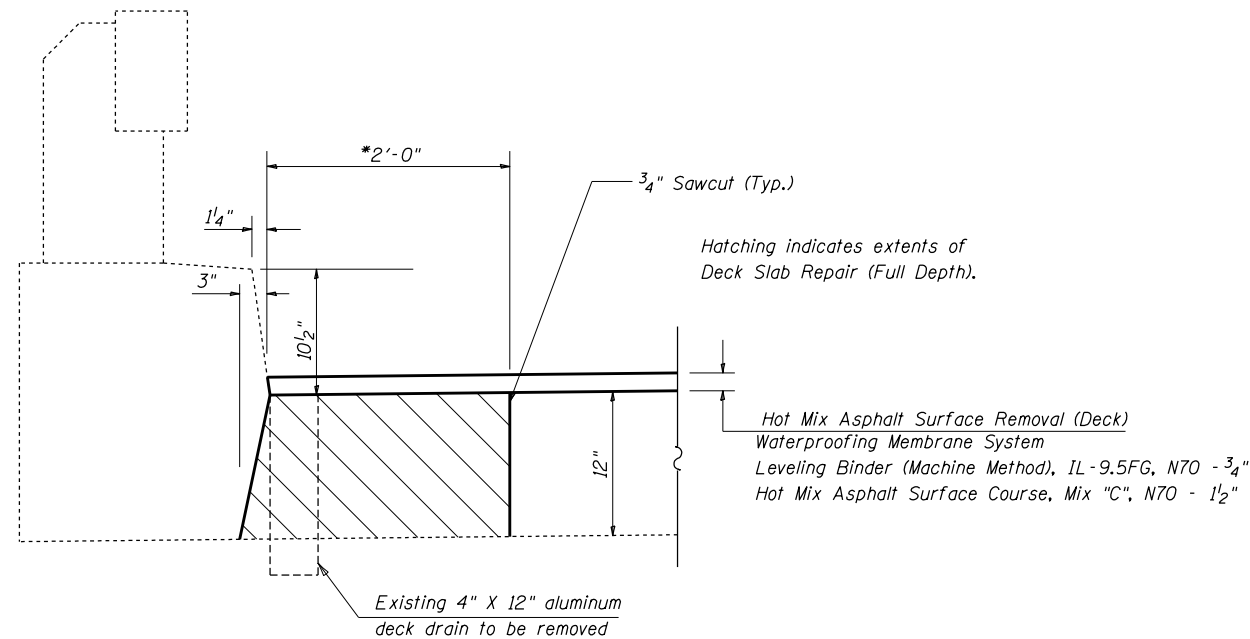
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATERPROOFING MEMBRANE DETAILS
S.N. 087-8001

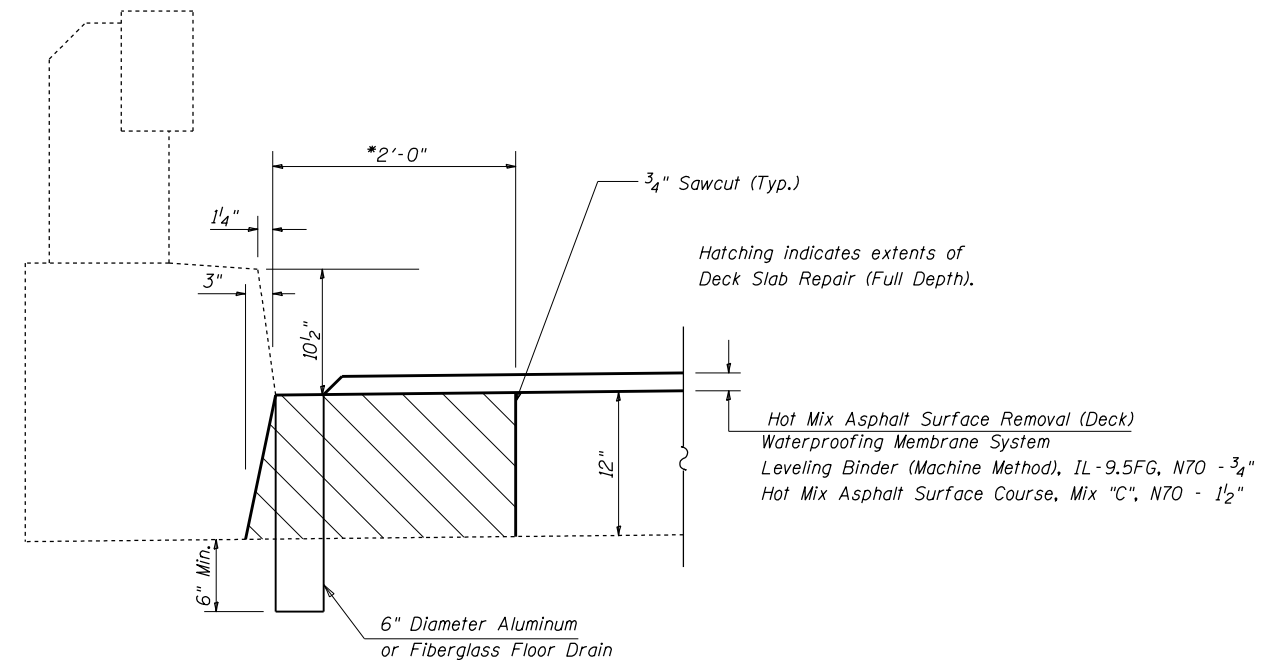
SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2)RS-3	Shelby	65	32
			CONTRACT NO. 74548	
ILLINOIS FED. AID PROJECT				

SHEET NO. 4
6 SHEETS



**SECTION THRU EXISTING
FLOOR DRAINS TO BE REMOVED**



**SECTION THRU EXISTING
FLOOR DRAINS TO BE REPLACED**

* Deck Slab Repair dimensions shall be determined by the Engineer based on the extent of deck deterioration at each drain.

Note: See "Total Bill of Materials" for structure quantities.

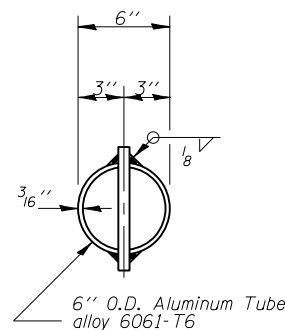
See Bridge Deck Patching Sheet for locations of drains to be replaced or removed.

Floor Drains need not be painted

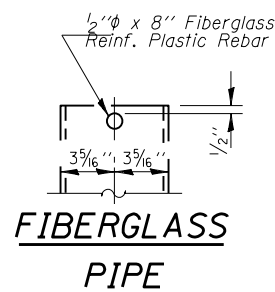
Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.

All dimensions shall be field verified by the contractor prior to ordering of materials.

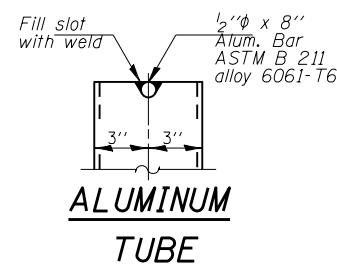
Cost of removal of existing drains is included in Deck Slab Repair.



TOP PLAN
(Showing Aluminum Tube)



**FIBERGLASS
PIPE**



**ALUMINUM
TUBE**

BILL OF MATERIALS

ITEM	UNIT	TOTAL
FLOOR DRAINS	EACH	2

SHEET NO. 5
6 SHEETS

FILE NAME =	USER NAME = steffenmk	DESIGNED - D. Macklin	REVISED -
PROJECT =	PROJECT =	CHECKED - S. Kassel	REVISED -
PLOT SCALE = 40.0000' / in.	DATE = 12-02-2016	REVISIONS	REVISED -
PLOT DATE = 2/3/2017			

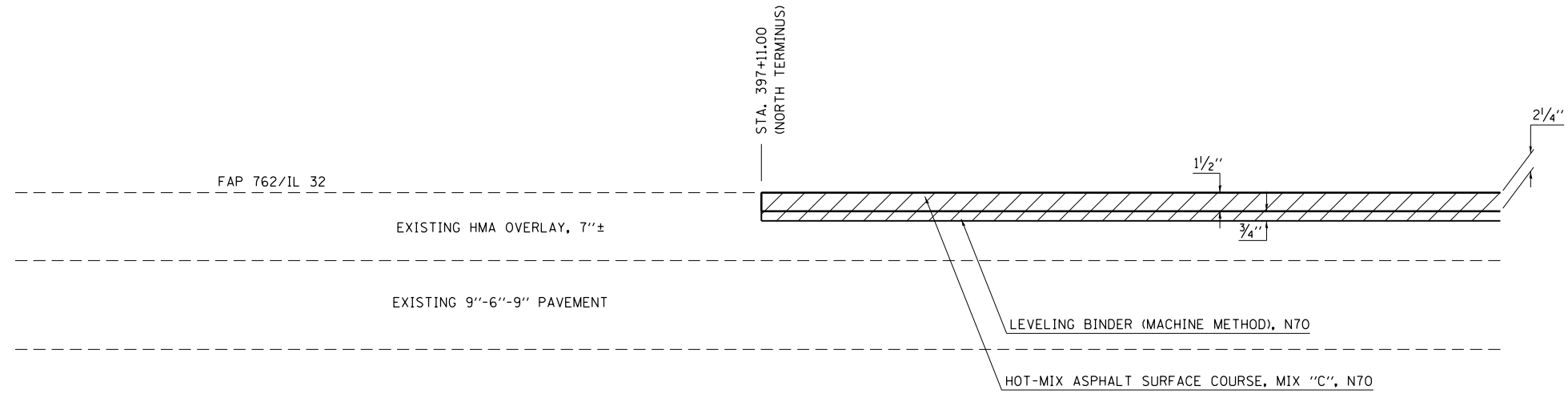
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FLOOR DRAIN DETAILS
SN. 087-8001**

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2)RS-3	Shelby	65	33
CONTRACT NO. 74548			ILLINOIS FED. AID PROJECT	

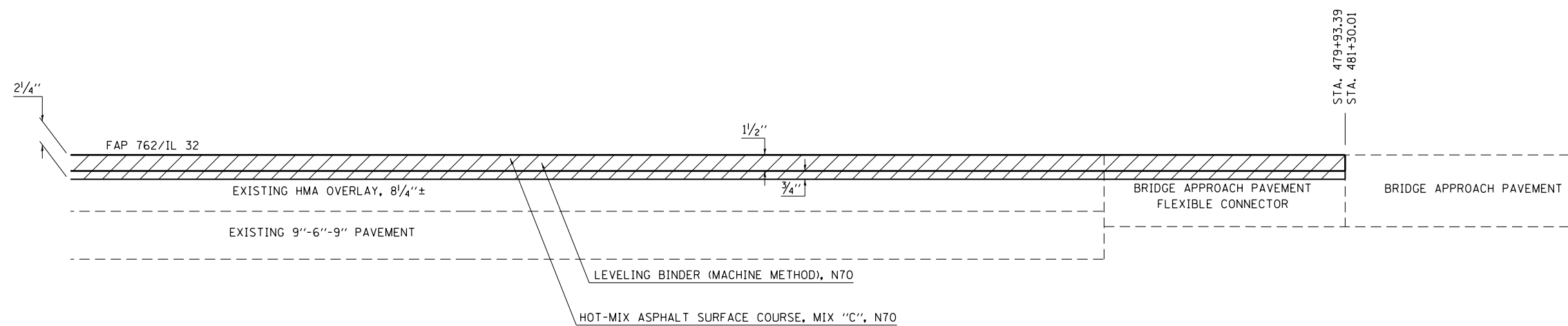
PROPOSED PAVING DETAIL IL-32 MAINLINE



HOT-MIX ASPHALT SURFACE REMOVAL, 2/4''

NOTE: NOTE DRAWN TO SPECIFIC SCALE

PROPOSED PAVING DETAIL IL-32 MAINLINE

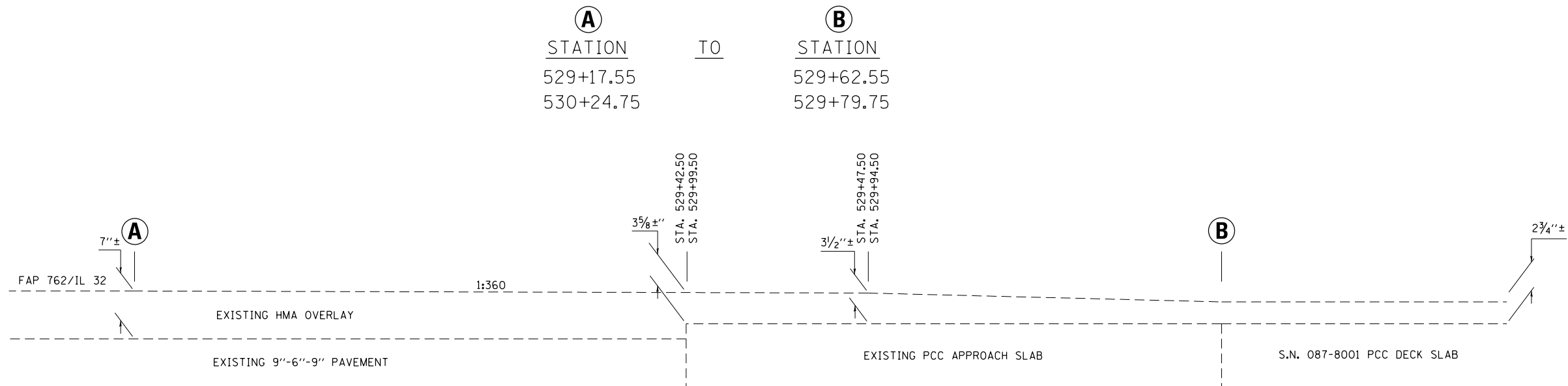


HOT-MIX ASPHALT SURFACE REMOVAL, 2/4''

NOTE: NOTE DRAWN TO SPECIFIC SCALE

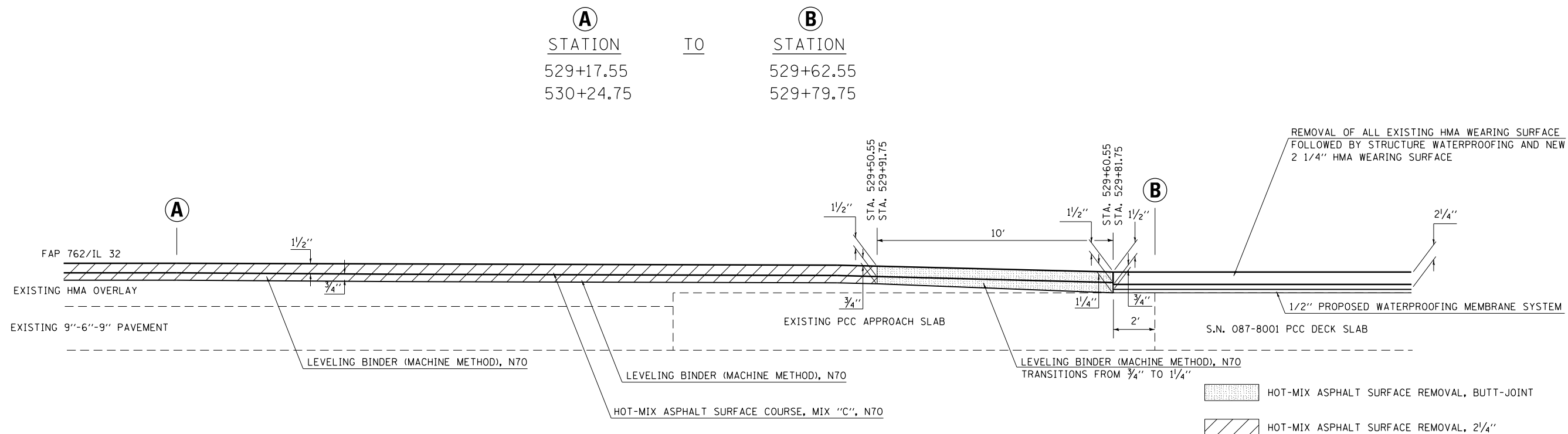
FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED BUTT JOINT AND PAVING DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / in.					CHECKED -	REVISED -	CONTRACT NO. 74548					
PLOT DATE = 2/3/2017					DATE -	REVISED -	ILLINOIS FED. AID PROJECT					
					SCALE: NA	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.				

EXISTING BUTT JOINT AND PAVING DETAIL IL-32 MAINLINE



NOTE: NOTE DRAWN TO SPECIFIC SCALE

PROPOSED BUTT JOINT AND PAVING DETAIL IL-32 MAINLINE

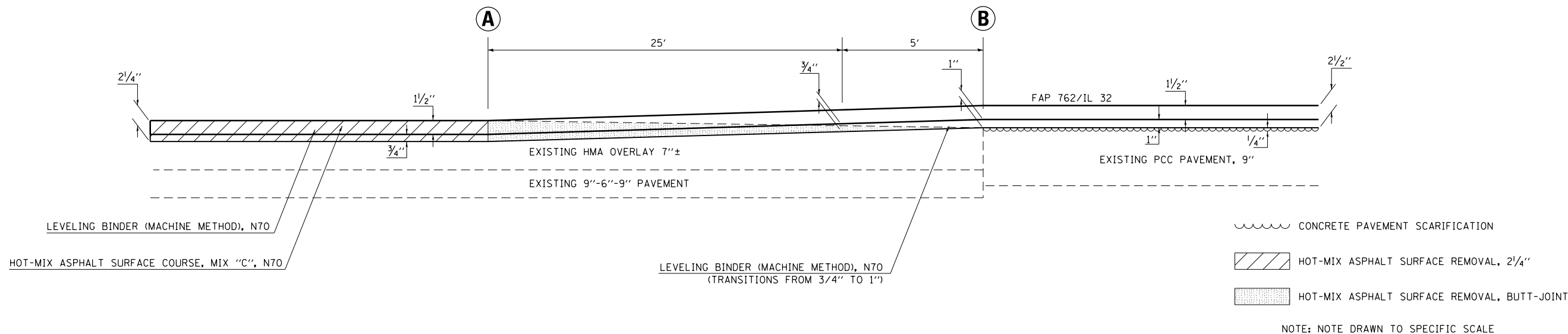


NOTE: NOTE DRAWN TO SPECIFIC SCALE

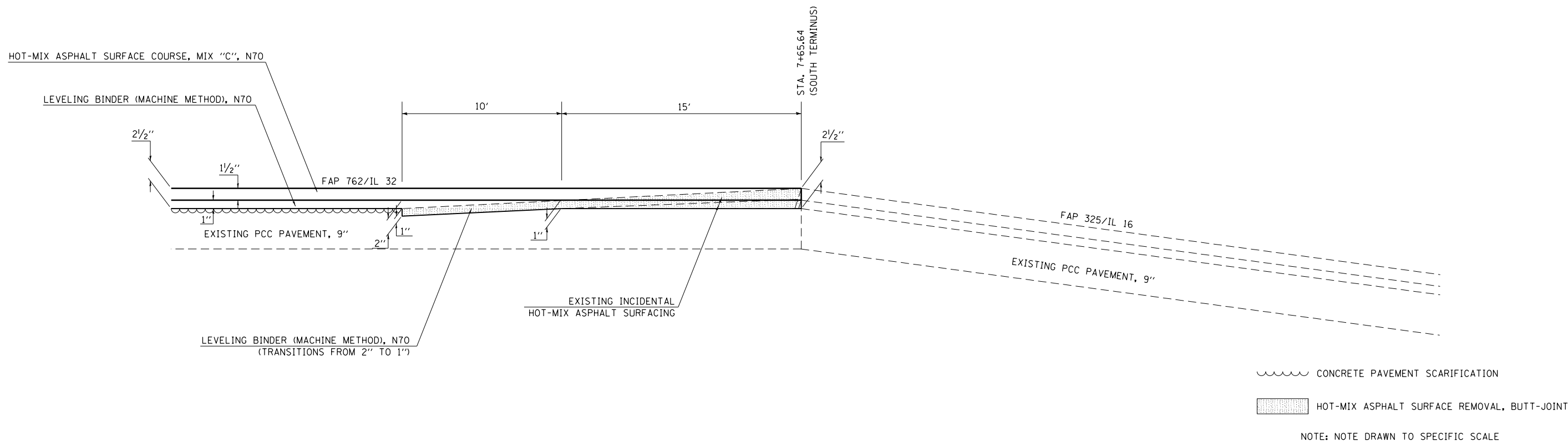
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						762	(1,2) RS-3	SHELBY	65	36	
						CONTRACT NO. 74548					
						ILLINOIS FED. AID PROJECT					
				SCALE: NA	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.				

PROPOSED BUTT JOINT AND PAVING DETAIL IL-32 MAINLINE

(A) STATION 605+80.40 TO STATION (B) 606+10.40

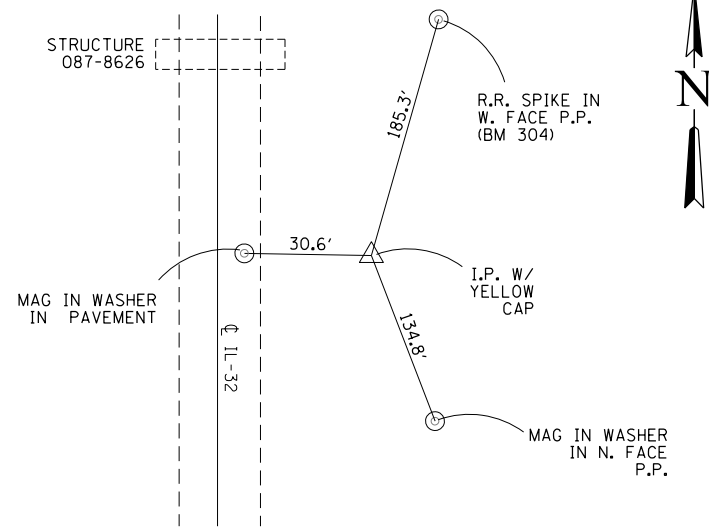


PROPOSED BUTT JOINT AND PAVING DETAIL IL-16 /IL-32 MAINLINE INTERSECTION

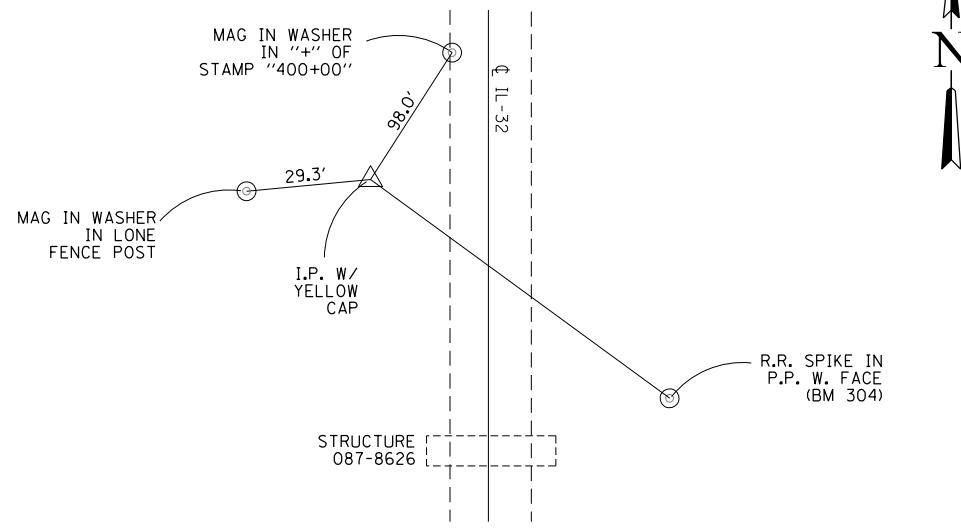


FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED BUTT JOINT AND PAVING DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
					SCALE: NA	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.	762	(1,2) RS-3	SHELBY	65	37
								CONTRACT NO. 74548					
ILLINOIS FED. AID PROJECT													

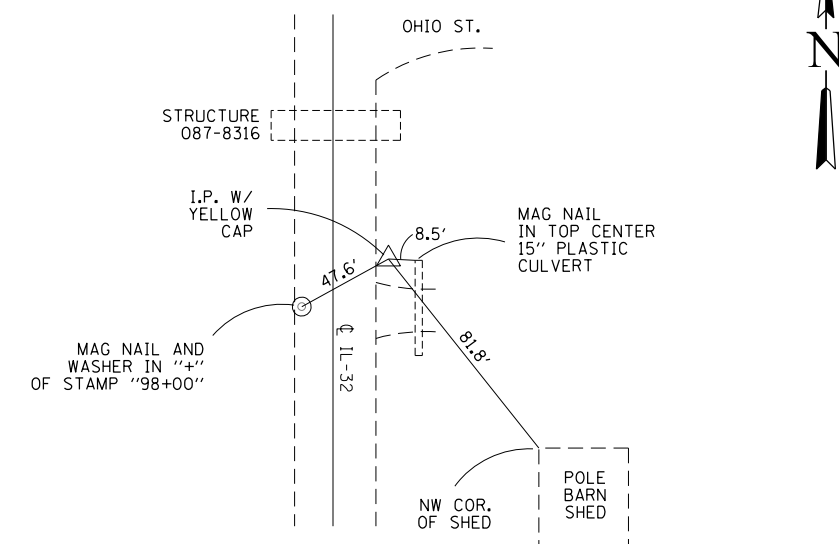
TRAV 100



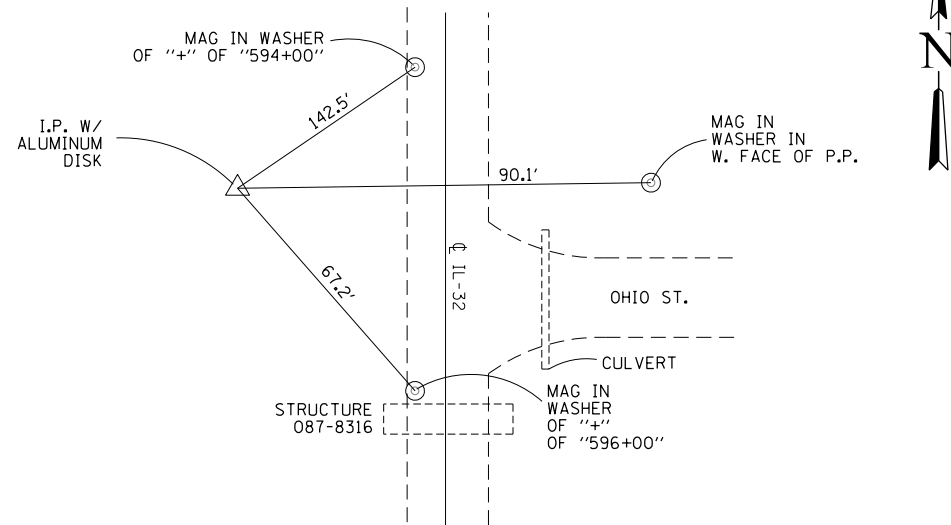
TRAV 101



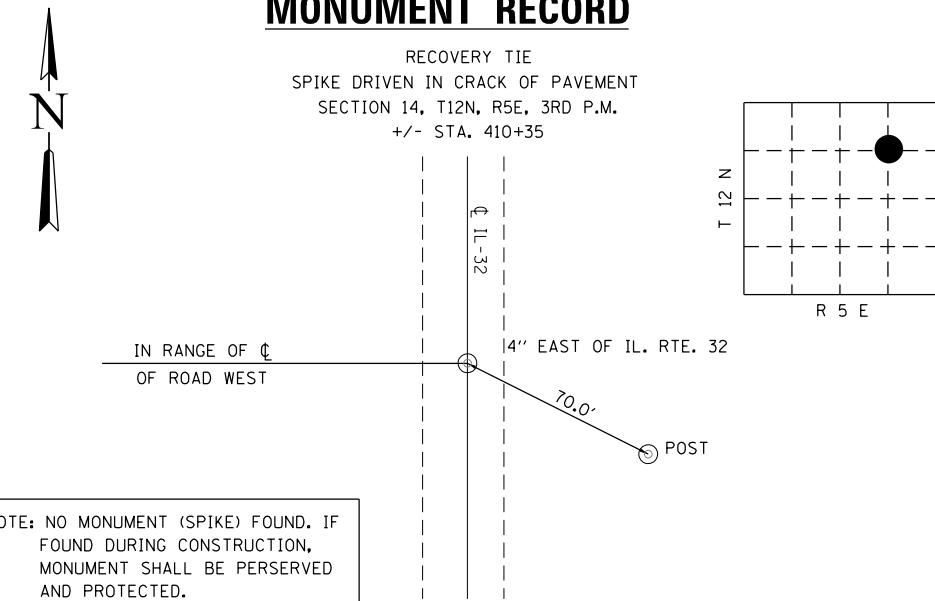
TRAV 201



TRAV 202



MONUMENT RECORD



BENCH MARK	ELEV	STATION	OFFSET	DESCRIPTION
SHE-65	708.774	607+27	38' RT.	TO REACH FROM THE INTERSECTION OF IL 16 AND IL 32 (NORTH), GO NORTH ALONG IL 32 FOR 200' +/- TO THE MARK ON THE LEFT. SAID MARK IS A CHISELED SQUARE IN THE CENTER OF THE WEST HEADWALL OF AN ACROSS ROAD BOX CULVERT.
SHE-69	697.346	571+97	52.5' LT.	TO REACH FROM THE INTERSECTION OF IL 16 AND IL 32 (NORTH), GO NORTH ALONG IL 32 FOR 0.7 MILES +/- TO THE MARK ON THE RIGHT. SAID MARK IS A CHISELED SQUARE ON THE SE CORNER OF A BRICK PILLAR EAST OF THE WEST CEMETERY ENTRANCE.
SHE-07A	688.869	556+14	46.5' RT.	TO REACH FROM THE INTERSECTION OF IL 16 AND IL 32 (NORTH), GO NORTH ALONG IL 32 FOR 1.1 MI. +/- TO THE CROSSROAD 1600 N COUNTY RD AND IS IN THE TRIANGLE, 46.5' WEST OF C.L. OF IL 32, 63' N OF C.L. OF 1600 N COUNTY RD, 2.0' E OF A FIBERGLASS WITNESS POST
SHE-07B	679.414	540+87	48' RT.	TO REACH FROM THE INTERSECTION OF IL 16 AND IL 32 (NORTH), GO NORTH ALONG IL 32 FOR 1.4 MI. +/-, 48.0' WEST OF C.L. OF IL 32, 1.5' OFF FENCE LINE, 6.0' SE OF A FENCE POST, 1.0' EAST OF A FIBERGLASS WITNESS POST

BENCH MARK	ELEV	STATION	OFFSET	DESCRIPTION
BM 300	661.059	521+88.5	22' LT.	CUT SQUARE ON THE SW CORNER OF THE EAST HEADWALL OF STRUCTURE 087-8001
BM 301	672.313	497+00	50' LT.	R.R. SPIKE IN W. FACE OF P.P., 2750' +/- S. OF COUNTY RD. 1750 N.
BM 302	651.458	476+75	60' LT.	R.R. SPIKE IN W. FACE OF P.P., 720' +/- S. OF COUNTY RD. 1750 N.
BM 303	668.264	416+59	52' LT.	R.R. SPIKE IN W. FACE OF P.P., 22' N. OF 1850 N
BM 304	662.667	402+15	51' LT	R.R. SPIKE IN W. FACE OF P.P., ABOUT 37' N. & 35' E OF STRUCTURE 087-8626

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
pw:\IL084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 7\Projects\7458\DRAWING\CAD\sheets\0774548-sht-details.dwg		CHECKED -	REVISED -
Default	PLOT DATE = 2/3/2017	DATE -	REVISED -

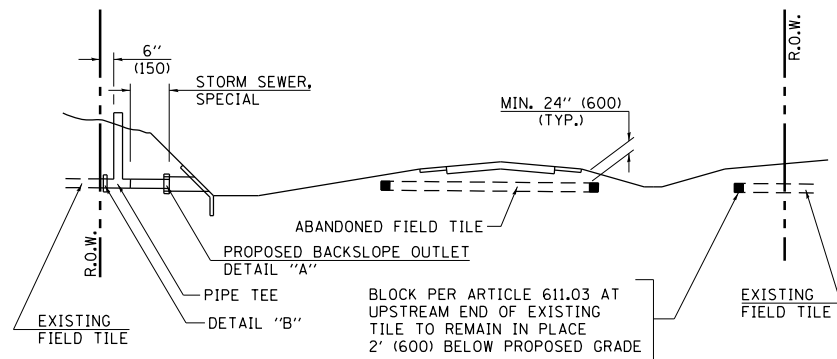
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TIE POINTS & BENCHMARKS

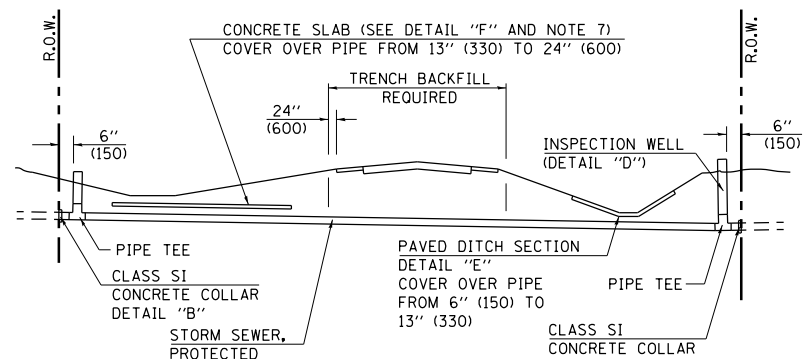
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	38
CONTRACT NO. 74548				
ILLINOIS FED. AID PROJECT				

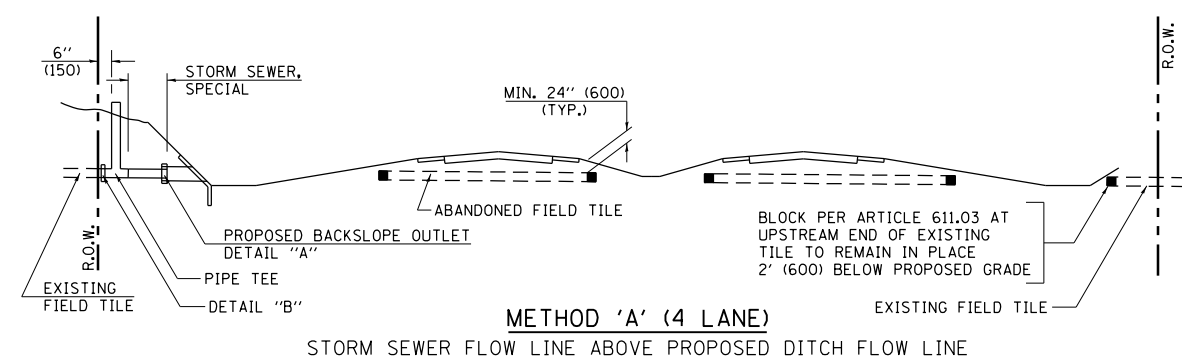
DETAIL FOR TREATMENT OF EXISTING FIELD TILE SYSTEMS



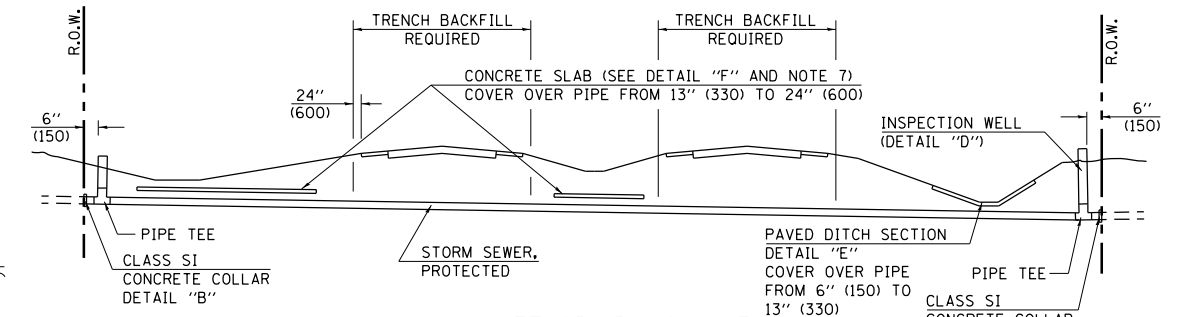
METHOD 'A' (2 LANE)
STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE



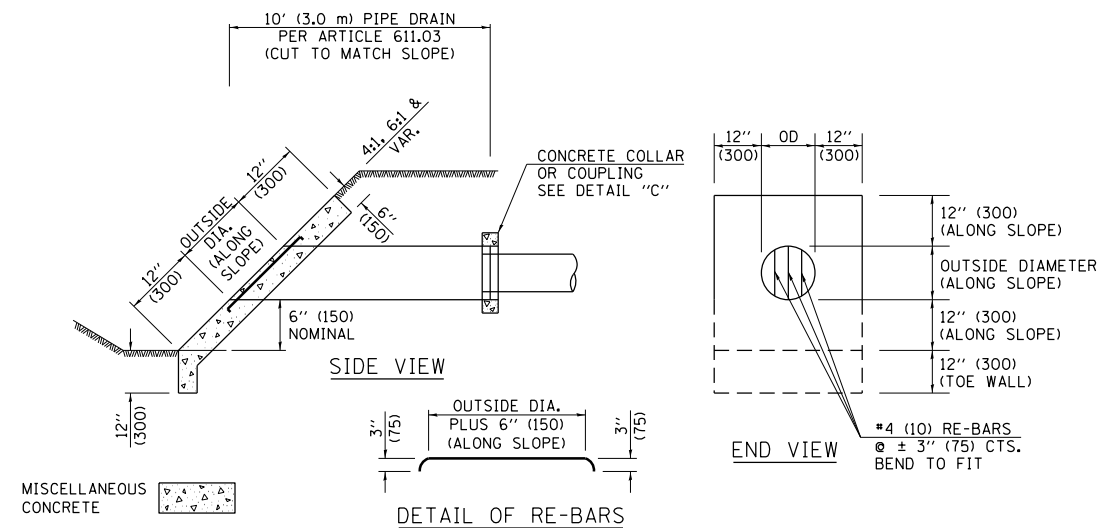
METHOD 'B' (2 LANE)
STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENT AND PAVED DITCH



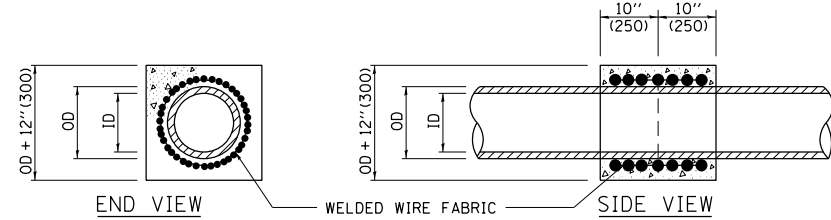
METHOD 'A' (4 LANE)
STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE



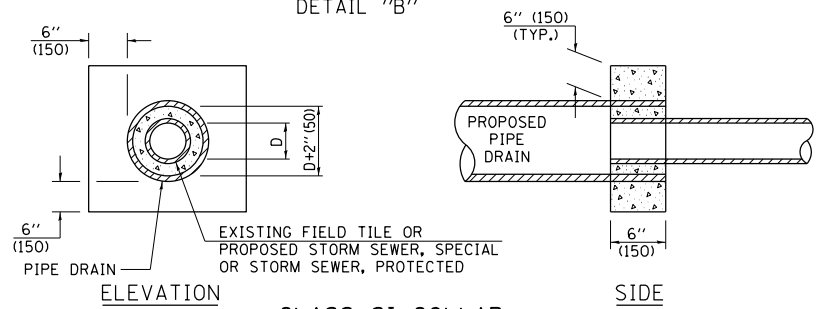
METHOD 'B' (4 LANE)
STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENTS AND PAVED DITCHES



HEADWALL FOR BACKSLOPE OUTLET
DETAIL "A"

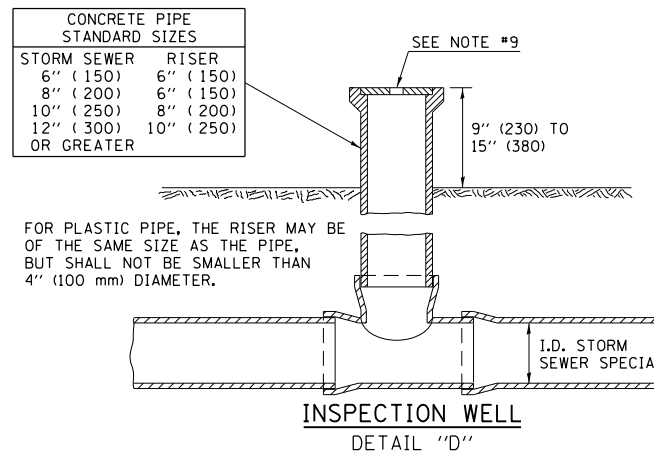


CONCRETE COLLAR
DETAIL "B"



CLASS SI COLLAR
DETAIL "C"

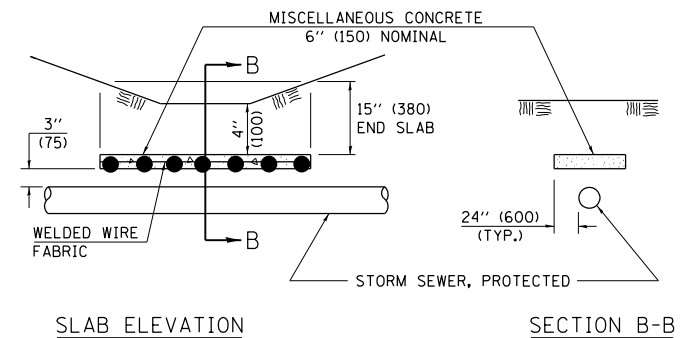
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



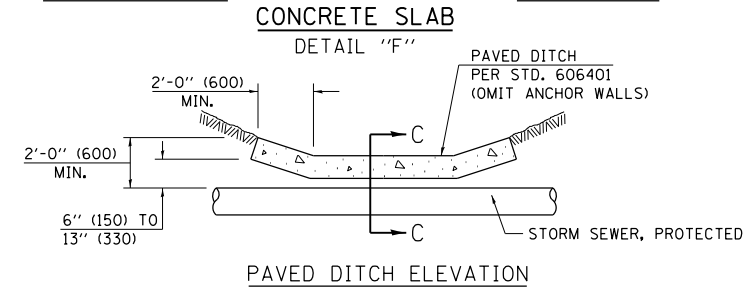
INSPECTION WELL
DETAIL "D"

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.

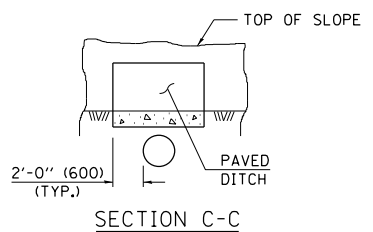


SLAB ELEVATION
SECTION B-B



CONCRETE SLAB
DETAIL "F"

PAVED DITCH ELEVATION



SECTION C-C

PAVED DITCH
DETAIL "E"

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
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		DATE -	REVISED -

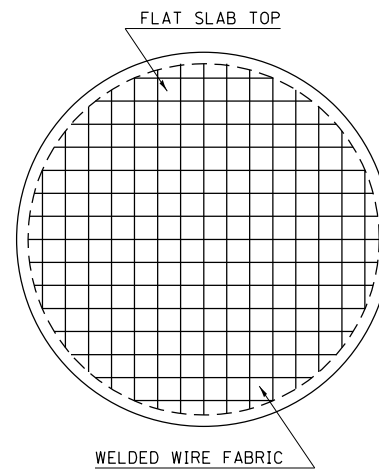
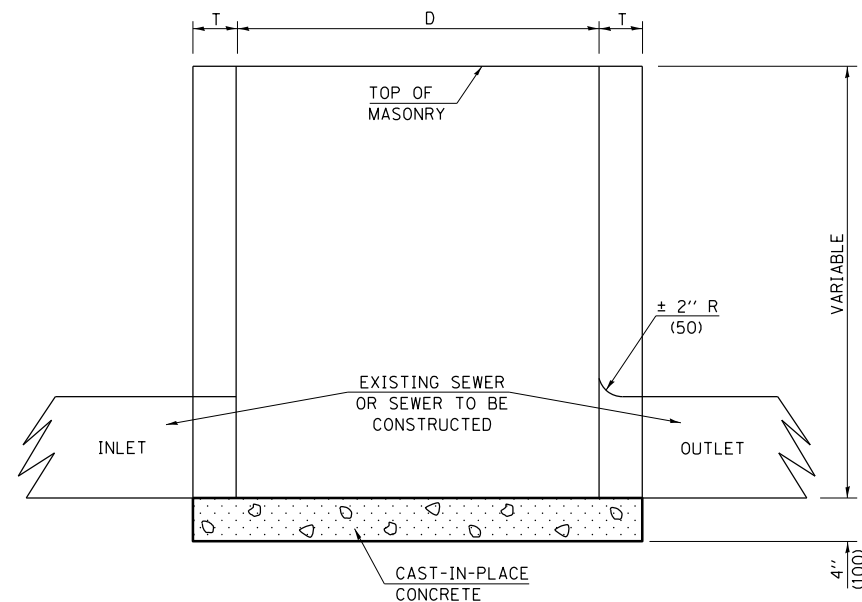
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL FOR TREATMENT OF
EXISTING FIELD TILE SYSTEMS

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

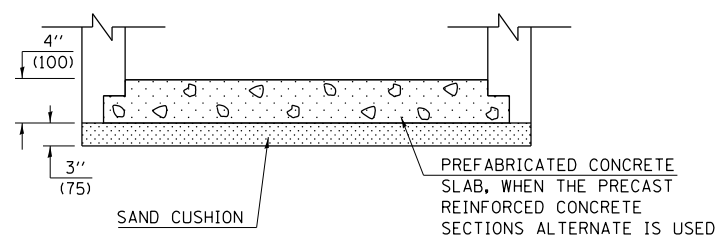
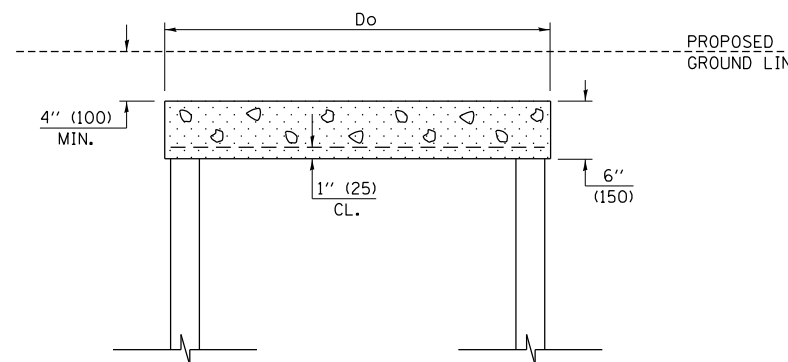
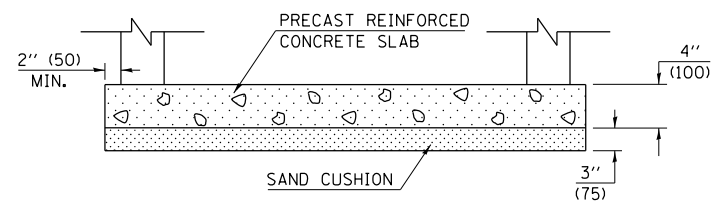
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	39
CONTRACT NO. 74548				
ILLINOIS FED. AID PROJECT				

FIELD TILE JUNCTION VAULT



D	D _o (MIN.)	REINFORCEMENT "AS" W. W. T. EACH DIRECTION
2' (600)	D+2T	.20 SQ. IN./FT. 425 mm ² /m
3' (900)	D+2T	.20 SQ. IN./FT. 425 mm ² /m

ALTERNATE MATERIALS FOR WALLS	T MINIMUM
PRECAST REINFORCED CONCRETE SECTION	3" (75)
CONCRETE MASONRY UNIT	5" (125)
CAST IN PLACE CONCRETE	6" (150)
BRICK MASONRY	8" (200)



ALTERNATE BOTTOM SLAB

GENERAL NOTES

FIELD TILE JUNCTION VAULTS SHALL BE BUILT IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS. THE DEPTH OF THE JUNCTION VAULTS SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER. STORM SEWER SPECIAL PIPE SHOULD BE LAID ON A MINIMUM GRADE OF 1%.

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

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIELD TILE JUNCTION VAULT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 7\Projects\7458\Drawings\CAD\Sheets\0774548-sht-details.dwg		CHECKED -	REVISED -			762	(1,2) RS-3	SHELBY	65	40
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -		SCALE: NA	SHEET 1 OF 1 SHEETS		STA.	TO STA.	
PLOT DATE = 2/3/2017						ILLINOIS FED. AID PROJECT		CONTRACT NO. 74548		

Benchmark: N/A

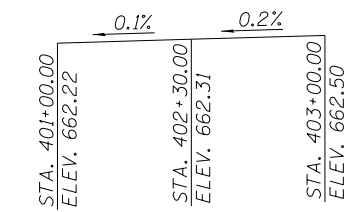
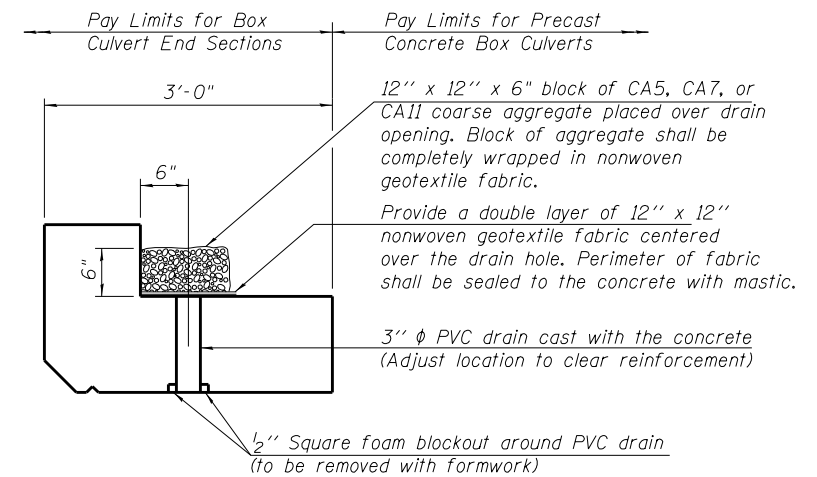
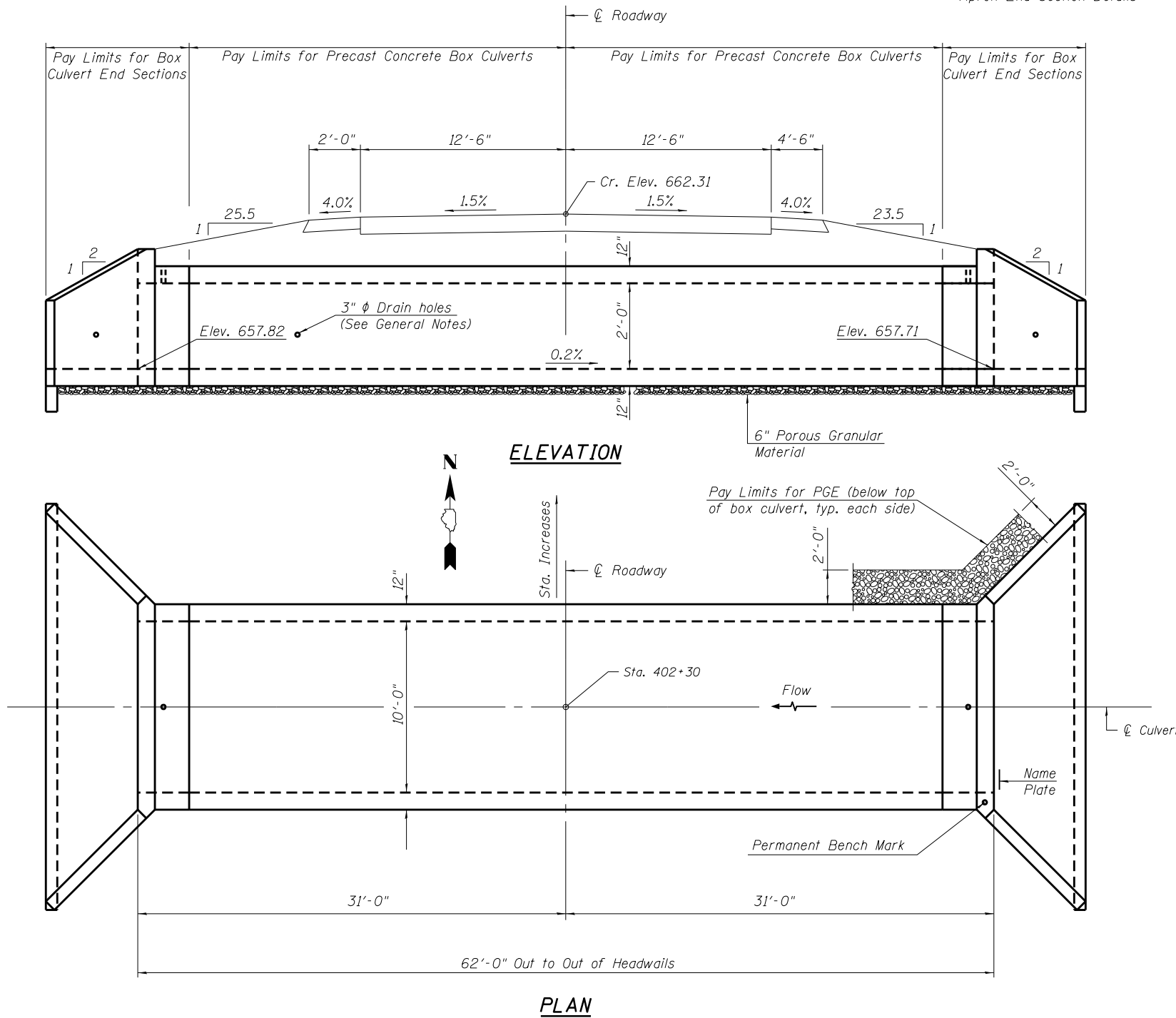
Existing Structure: S.N. 087-8626, Sta. 402+30, 6.0' x 2.0' Concrete Box Culvert

INDEX OF SHEETS

1. General Plan and Elevation
- 2.-3. Precast Concrete Box Culvert Apron End Section Details

GENERAL NOTES

The design fill height for this box is < 2 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
 Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
 The 6 in. thick layer of porous granular material required for the precast concrete box culvert per Art. 540.06 of the Standard Specifications shall also apply to the end sections. Cost of the porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.
 Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
 Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment below the top of the box culvert extending to a vertical plane 2 ft from the exterior sides of the culvert, 2 ft from the back face of the end sections, and not closer than 2 ft from the face of embankment.



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

PROFILE GRADE

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications
 6th Edition with 2013 interims

LOADING HL - 93

DESIGN STRESSES

PRECAST UNITS

f'_c = 5,000 psi
 f_y = 65,000 psi (Welded Wire Reinforcement)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures No. 1	Each	1.0
Name Plates	Each	1.0
Box Culvert End Sections, Culvert No. 1	Each	2.0
Precast Concrete Box Culverts, 10' x 2'	Foot	56.0
Porous Granular Embankment	Cu. Yd.	30.0
Permanent Bench Marks	Each	1.0

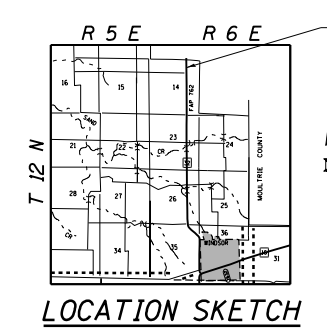
WATERWAY INFORMATION

Drainage Area = 0.78 sq. mi. Low Grade Elev. = @ Sta.

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	164	12.0	20.0					
Base	50	265	12.0	20.0					
Overtopping	100	309	12.0	20.0					
Max. Calc.	5	122		20.0					
	500	500							

STATION 402+30.00
 BUILT 2017 BY
 STATE OF ILLINOIS
 F.A.P. RT. 762 IL 32
 SEC (1,2) RS-3
 LOADING HL-93
 STR. NO. 087-8662

NAME PLATE
 See Std. 515001



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
SINGLE 10' X 2' PRECAST BOX CULVERT
F.A.P. RTE. 762 SEC. (1,2) RS-3
SHELBY COUNTY
STATION 402+30.00
S.N. 087-8662

SCB-GPE

10-15-2016

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
S.N. 087-8662, STA. 402 + 30.00

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	41
CONTRACT NO. 74548				

ILLINOIS FED. AID PROJECT

Benchmark: N/A

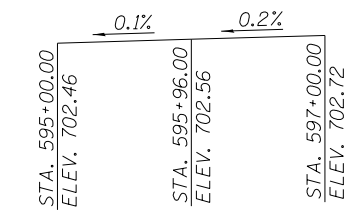
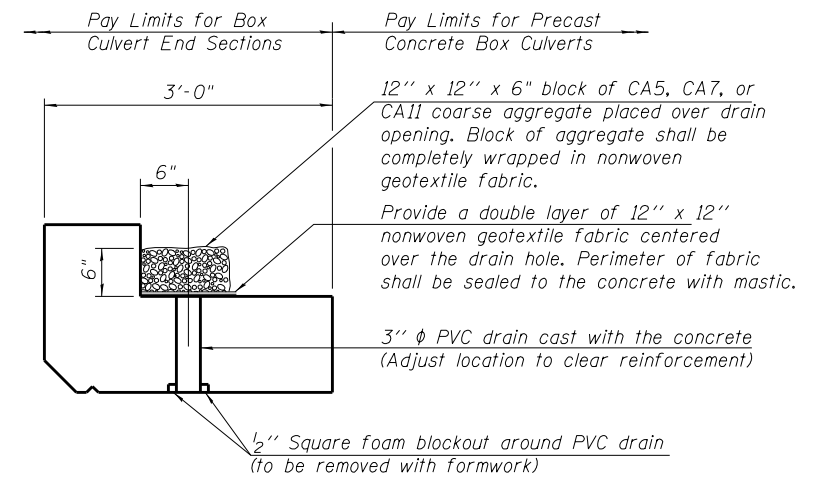
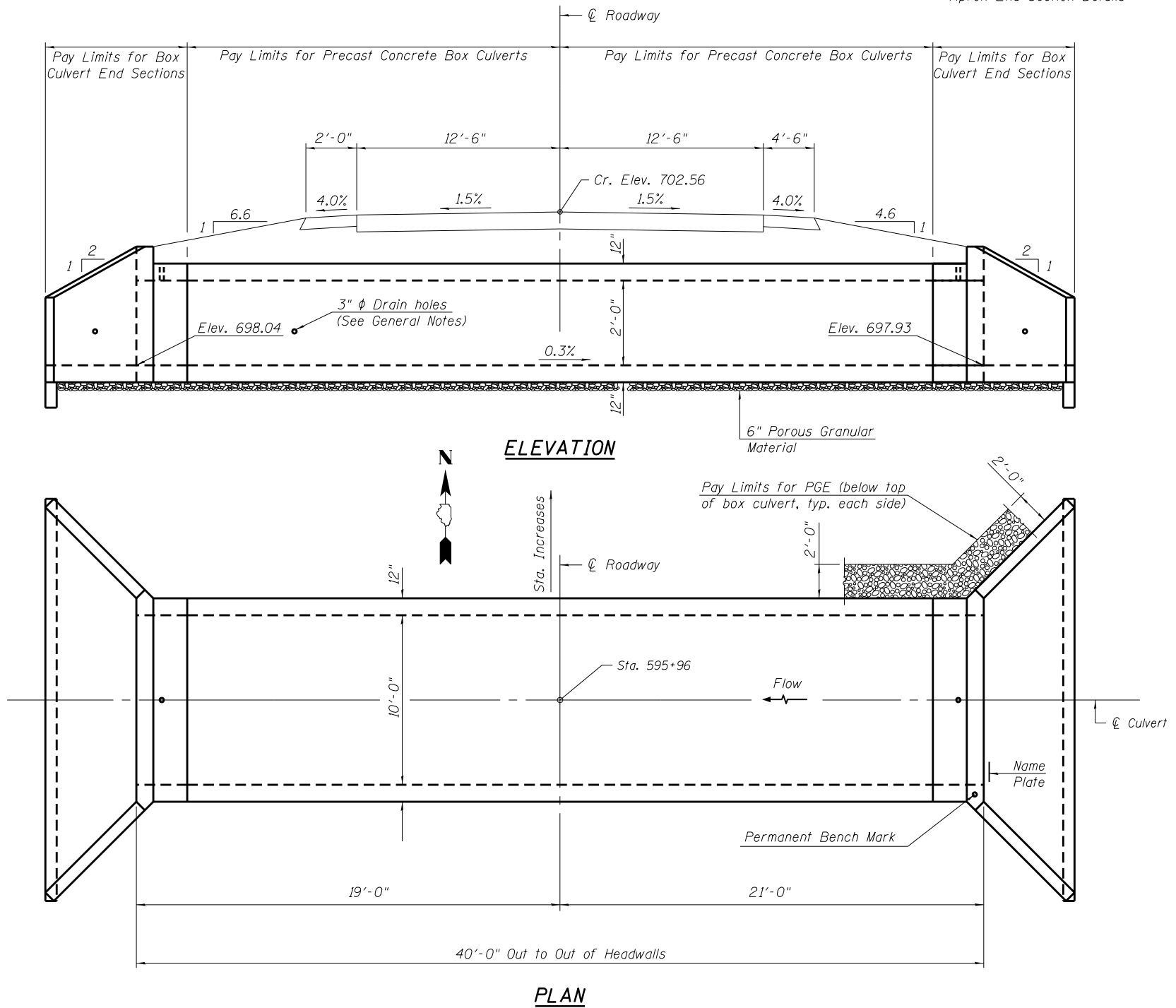
Existing Structure: S.N. 087-8316, Sta. 595+96, 6.0' x 2.0' Concrete Box Culvert

INDEX OF SHEETS

1. General Plan and Elevation
- 2.-3. Precast Concrete Box Culvert Apron End Section Details

GENERAL NOTES

The design fill height for this box is < 2 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
 Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
 The 6 in. thick layer of porous granular material required for the precast concrete box culvert per Art. 540.06 of the Standard Specifications shall also apply to the end sections. Cost of the porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.
 Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
 Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment below the top of the box culvert extending to a vertical plane 2 ft from the exterior sides of the culvert, 2 ft from the back face of the end sections, and not closer than 2 ft from the face of embankment.



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

PROFILE GRADE

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications
 6th Edition with 2013 interims

LOADING HL - 93

DESIGN STRESSES

PRECAST UNITS

f'c = 5,000 psi
 fy = 65,000 psi (Welded Wire Reinforcement)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures No. 2	Each	1.0
Name Plates	Each	1.0
Box Culvert End Sections, Culvert No. 2	Each	2.0
Precast Concrete Box Culverts, 10' x 2'	Foot	34.0
Porous Granular Embankment	Cu. Yd.	30.0
Permanent Bench Marks	Each	1.0

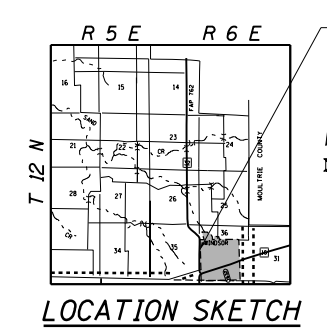
WATERWAY INFORMATION

Drainage Area = 0.14 sq. mi. Low Grade Elev. = @ Sta.

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	90	9.0	20.0					
Base	50	149	9.0	20.0					
Overtopping	100	177	9.0	20.0					
Max. Calc.	25	124		20.0					
	500	500							

STATION 595+96.00
 BUILT 2017 BY
 STATE OF ILLINOIS
 F.A.P. RT. 762 IL 32
 SEC (1,2) RS-3
 LOADING HL-93
 STR. NO. 087-8663

NAME PLATE
 See Std. 515001



LOCATION SKETCH

PROP. S.N. 087-8663
 STA. 595+96.00

GENERAL PLAN AND ELEVATION
SINGLE 10' X 2' PRECAST BOX CULVERT
F.A.P. RTE. 762 SEC. (1,2) RS-3
SHELBY COUNTY
STATION 595+96.00
S.N. 087-8663

SCB-GPE

10-15-2016

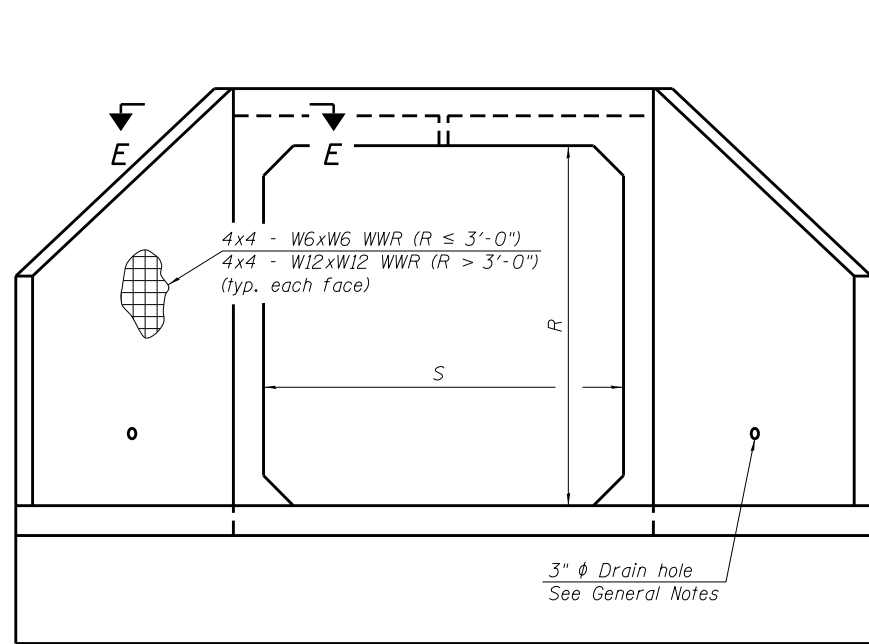
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Default	PLOT DATE = 2/3/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

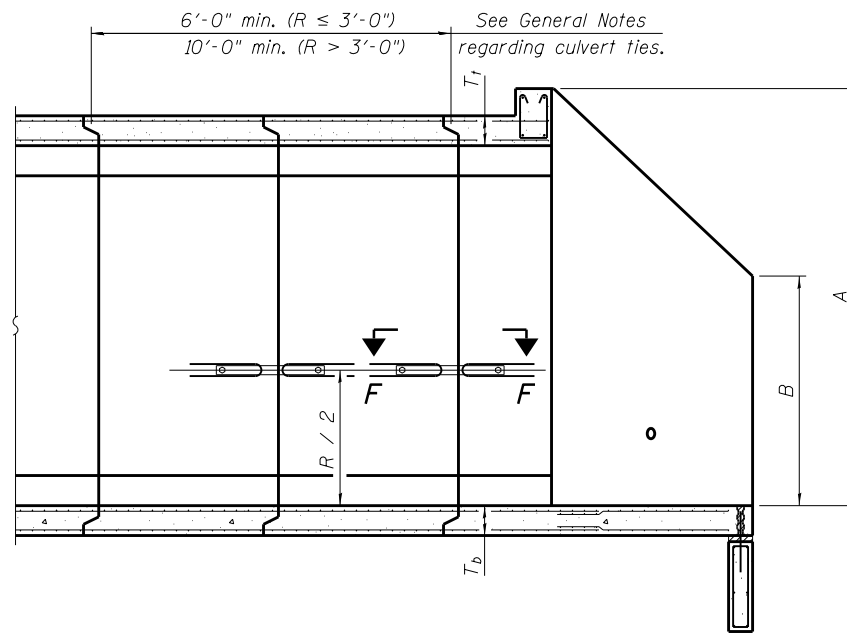
GENERAL PLAN AND ELEVATION
S.N. 087-8663, STA. 595 + 96.00

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	42
CONTRACT NO. 74548				
ILLINOIS FED. AID PROJECT				



END VIEW



SECTION A-A

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

The Contractor may furnish the end section as a single precast concrete piece or construct the end section in the field using cast-in-place (CIP) construction. For CIP construction, the bottom slab thickness shall be increased by 2" and the clear cover to the bottom mat of reinforcement shall be increased to 3".

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

The number of culvert ties shall be sufficient to engage the minimum length of culvert barrel shown within the pay limits for Precast Concrete Box Culverts and will be dependent upon the length of box culvert segments furnished by the Contractor. Culvert ties are not required for box culverts having a rise (R) less than or equal to 3 ft and a span (S) greater than or equal to 10 ft.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the unit price for Box Culvert End Sections of the culvert number specified.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2". For the precast option, it shall be the Contractor's responsibility for determining a method of handling and a construction procedure shall be included on the shop drawings. The Contractor shall determine and detail in the shop drawings any necessary strengthening or stiffening provisions necessary to handle the precast segment. Any required modifications shall be at no extra charge.

All exposed concrete edges shall be chamfered 3/4" unless noted otherwise.

The Contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

Reinforcement (circumferential and longitudinal) in the culvert barrel portion of the end section being lapped with reinforcement from the wingwalls or bottom slab of the end section shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within the lower 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.

APRON END SECTION DIMENSIONS

Span (S)	Rise (R)	T _t	T _b	T _s	A	B	C	D	E	Concrete Cu. Yd.	Culvert Ties Required
3'-0"	2'-0"	7"	6"	4"	3'-4"	2'-2"	2'-10 ⁵ / ₈ "	4'-1"	10'-4 ⁵ / ₈ "	2.8	Yes
3'-0"	2'-0"	4"	4"	4"	3'-1"	2'-1"	2'-7 ⁷ / ₈ "	3'-9"	9'-11"	2.3	Yes
3'-0"	3'-0"	7"	6"	4"	4'-4"	2'-8"	3'-10 ⁵ / ₈ "	5'-6"	12'-4 ⁵ / ₈ "	3.7	Yes
3'-0"	3'-0"	4"	4"	4"	4'-1"	2'-7"	3'-7 ⁷ / ₈ "	5'-2"	11'-11"	3.1	Yes
4'-0"	2'-0"	7.5"	6"	5"	3'-4 ¹ / ₂ "	2'-2 ¹ / ₂ "	2'-11 ³ / ₈ "	4'-2"	11'-8"	3.3	Yes
4'-0"	2'-0"	5"	5"	5"	3'-2"	2'-1"	2'-8 ¹ / ₂ "	3'-10"	11'-2 ³ / ₈ "	2.8	Yes
4'-0"	3'-0"	7.5"	6"	5"	4'-4 ¹ / ₂ "	2'-8 ¹ / ₂ "	3'-11 ³ / ₈ "	5'-7"	13'-8 ¹ / ₈ "	4.2	Yes
4'-0"	3'-0"	5"	5"	5"	4'-2"	2'-7"	3'-8 ¹ / ₂ "	5'-3"	13'-2 ³ / ₈ "	3.7	Yes
4'-0"	4'-0"	7.5"	6"	5"	5'-4 ¹ / ₂ "	3'-2 ¹ / ₂ "	4'-11 ³ / ₈ "	7'-0"	15'-8 ¹ / ₈ "	5.3	Yes
4'-0"	4'-0"	5"	5"	5"	5'-2"	3'-1"	4'-8 ⁵ / ₈ "	6'-8"	15'-2 ¹ / ₂ "	4.7	Yes
5'-0"	2'-0"	8"	7"	6"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	12'-10"	3.9	Yes
5'-0"	2'-0"	6"	6"	6"	3'-3"	2'-2"	2'-10"	4'-0"	12'-7 ¹ / ₄ "	3.5	Yes
5'-0"	3'-0"	8"	7"	6"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	14'-10 ¹ / ₈ "	4.9	Yes
5'-0"	3'-0"	6"	6"	6"	4'-3"	2'-8"	3'-10"	5'-5"	14'-7 ¹ / ₄ "	4.5	Yes
5'-0"	4'-0"	8"	7"	6"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	16'-10 ¹ / ₈ "	6.1	Yes
5'-0"	4'-0"	6"	6"	6"	5'-3"	3'-2"	4'-9 ¹ / ₄ "	6'-9"	16'-5 ⁷ / ₈ "	5.5	Yes
5'-0"	5'-0"	8"	7"	6"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	18'-10 ¹ / ₈ "	7.4	Yes
5'-0"	5'-0"	6"	6"	6"	6'-3"	3'-8"	5'-9 ¹ / ₄ "	8'-2"	18'-5 ⁷ / ₈ "	6.8	Yes
6'-0"	2'-0"	8"	7"	7"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	14'-0"	4.3	Yes
6'-0"	2'-0"	7"	7"	7"	3'-4"	2'-2"	2'-10 ⁵ / ₈ "	4'-1"	13'-10 ⁵ / ₈ "	4.2	Yes
6'-0"	3'-0"	8"	7"	7"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	16'-0 ¹ / ₈ "	5.4	Yes
6'-0"	3'-0"	7"	7"	7"	4'-4"	2'-8"	3'-10 ⁵ / ₈ "	5'-6"	15'-10 ⁵ / ₈ "	5.2	Yes
6'-0"	4'-0"	8"	7"	7"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	18'-0 ¹ / ₈ "	6.5	Yes
6'-0"	4'-0"	7"	7"	7"	5'-4"	3'-2"	4'-10 ³ / ₄ "	6'-11"	17'-10 ³ / ₄ "	6.5	Yes
6'-0"	5'-0"	8"	7"	7"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	20'-0 ¹ / ₈ "	8.0	Yes
6'-0"	5'-0"	7"	7"	7"	6'-4"	3'-8"	5'-10 ³ / ₄ "	8'-4"	19'-10 ³ / ₄ "	7.8	Yes
6'-0"	6'-0"	8"	7"	7"	7'-5"	4'-3"	6'-11 ¹ / ₂ "	9'-10"	22'-0 ¹ / ₂ "	9.5	Yes
6'-0"	6'-0"	7"	7"	7"	7'-4"	4'-2"	6'-10 ³ / ₄ "	9'-9"	21'-10 ³ / ₄ "	9.3	Yes
7'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	15'-2"	4.9	Yes
7'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	17'-2 ¹ / ₈ "	6.1	Yes
7'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	19'-2 ¹ / ₈ "	7.4	Yes
7'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	21'-2 ¹ / ₈ "	8.9	Yes
7'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 ¹ / ₂ "	9'-10"	23'-2 ¹ / ₄ "	10.6	Yes
8'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	16'-2"	5.3	Yes
8'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	18'-2 ¹ / ₈ "	6.5	Yes
8'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	20'-2 ¹ / ₈ "	7.8	Yes
8'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	22'-2 ¹ / ₈ "	9.3	Yes
8'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 ¹ / ₂ "	9'-10"	24'-2 ¹ / ₄ "	11.0	Yes
9'-0"	2'-0"	9"	9"	9"	3'-6"	2'-3"	3'-0 ³ / ₄ "	4'-4"	17'-6 ⁷ / ₈ "	6.2	Yes
9'-0"	3'-0"	9"	9"	9"	4'-6"	2'-9"	4'-0 ³ / ₄ "	5'-9"	19'-6 ⁷ / ₈ "	7.5	Yes
9'-0"	4'-0"	9"	9"	9"	5'-6"	3'-3"	5'-0 ³ / ₄ "	7'-2"	21'-6 ⁷ / ₈ "	9.0	Yes
9'-0"	5'-0"	9"	9"	9"	6'-6"	3'-9"	6'-0 ⁷ / ₈ "	8'-7"	23'-7"	10.6	Yes
9'-0"	6'-0"	9"	9"	9"	7'-6"	4'-3"	7'-0 ⁷ / ₈ "	9'-11"	25'-5 ⁵ / ₈ "	12.4	Yes
10'-0"	2'-0"	10"	10"	10"	3'-7"	2'-4"	3'-1 ¹ / ₂ "	4'-5"	18'-10 ¹ / ₄ "	7.1	No
10'-0"	3'-0"	10"	10"	10"	4'-7"	2'-10"	4'-1 ¹ / ₂ "	5'-10"	20'-10 ¹ / ₄ "	8.6	No
10'-0"	4'-0"	10"	10"	10"	5'-7"	3'-4"	5'-1 ¹ / ₂ "	7'-3"	22'-10 ³ / ₈ "	10.2	Yes
10'-0"	5'-0"	10"	10"	10"	6'-7"	3'-10"	6'-1 ¹ / ₂ "	8'-8"	24'-10 ³ / ₈ "	12.0	Yes
10'-0"	6'-0"	10"	10"	10"	7'-7"	4'-4"	7'-1 ¹ / ₂ "	10'-1"	26'-10 ³ / ₈ "	13.9	Yes
11'-0"	2'-0"	11"	11"	11"	3'-8"	2'-4"	3'-2 ⁷ / ₈ "	4'-7"	20'-3 ¹ / ₈ "	8.2	No
11'-0"	3'-0"	11"	11"	11"	4'-8"	2'-10"	4'-2 ⁷ / ₈ "	6'-0"	22'-3 ¹ / ₈ "	9.8	No
11'-0"	4'-0"	11"	11"	11"	5'-8"	3'-4"	5'-2 ¹ / ₄ "	7'-4"	24'-1 ¹ / ₂ "	11.5	Yes
11'-0"	5'-0"	11"	11"	11"	6'-8"	3'-10"	6'-2 ¹ / ₄ "	8'-9"	26'-1 ¹ / ₂ "	13.3	Yes
11'-0"	6'-0"	11"	11"	11"	7'-8"	4'-4"	7'-2 ¹ / ₄ "	10'-2"	28'-1 ⁷ / ₈ "	15.5	Yes
12'-0"	2'-0"	12"	12"	12"	3'-9"	2'-5"	3'-3 ⁵ / ₈ "	4'-8"	21'-6 ¹ / ₂ "	9.3	No
12'-0"	3'-0"	12"	12"	12"	4'-9"	2'-11"	4'-3 ⁵ / ₈ "	6'-1"	23'-6 ¹ / ₂ "	11.1	No
12'-0"	4'-0"	12"	12"	12"	5'-9"	3'-5"	5'-3 ⁵ / ₈ "	7'-6"	25'-6 ⁵ / ₈ "	13.0	Yes
12'-0"	5'-0"	12"	12"	12"	6'-9"	3'-11"	6'-3 ⁵ / ₈ "	8'-11"	27'-6 ⁵ / ₈ "	14.1	Yes
12'-0"	6'-0"	12"	12"	12"	7'-9"	4'-5"	7'-3 ⁵ / ₈ "	10'-4"	29'-6 ⁵ / ₈ "	17.4	Yes

Note: Two sets of apron end section dimensions are shown above for some box culvert sizes due to the top and bottom slabs having different thicknesses per ASTM C 1577 for design fill heights less than 2 ft.

(Sheet 1 of 2)

SCB-AES

10-15-2016

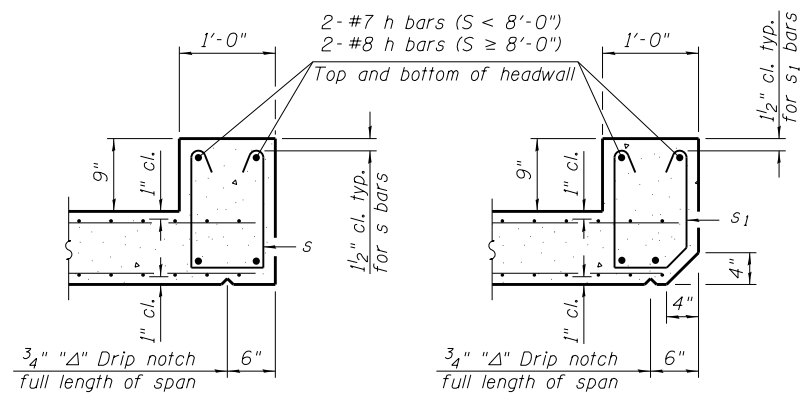
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	PLOT DATE = 2/3/2017		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE BOX CULVERT APRON END
SECTION DETAILS - STRUCTURE NO. 087-8662 & 087-8663

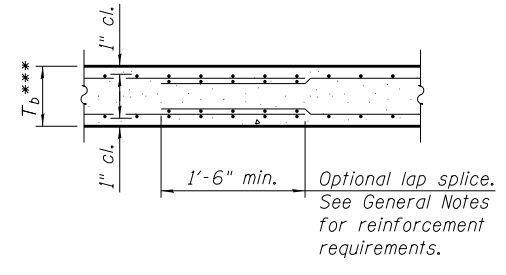
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	43
CONTRACT NO. 74548				
ILLINOIS FED. AID PROJECT				



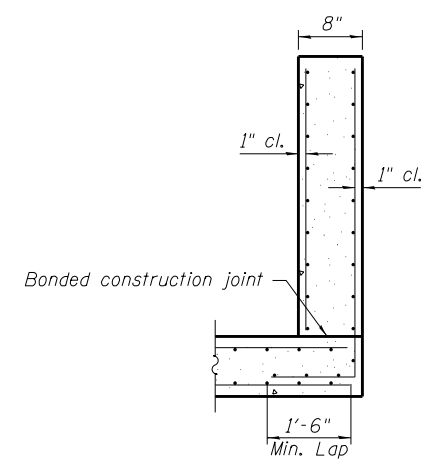
SECTION B-B
(Top slab at downstream end)

SECTION B-B
(Top slab at upstream end)

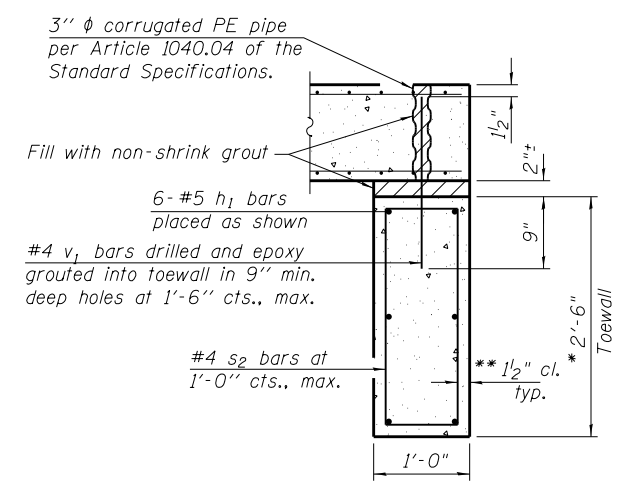


SECTION B-B
(Bottom Slab)

*** This dimension shall be increased by 2" for CIP construction.



SECTION C-C



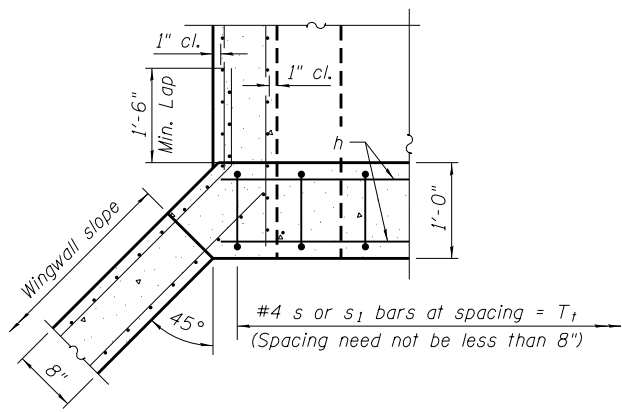
SECTION D-D

TOEWALL CONSTRUCTION SEQUENCE

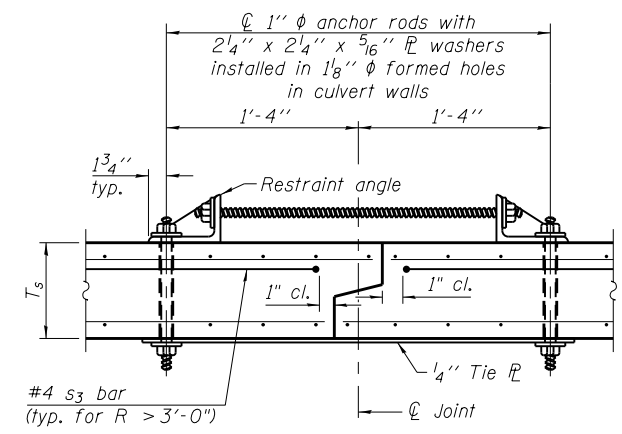
1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



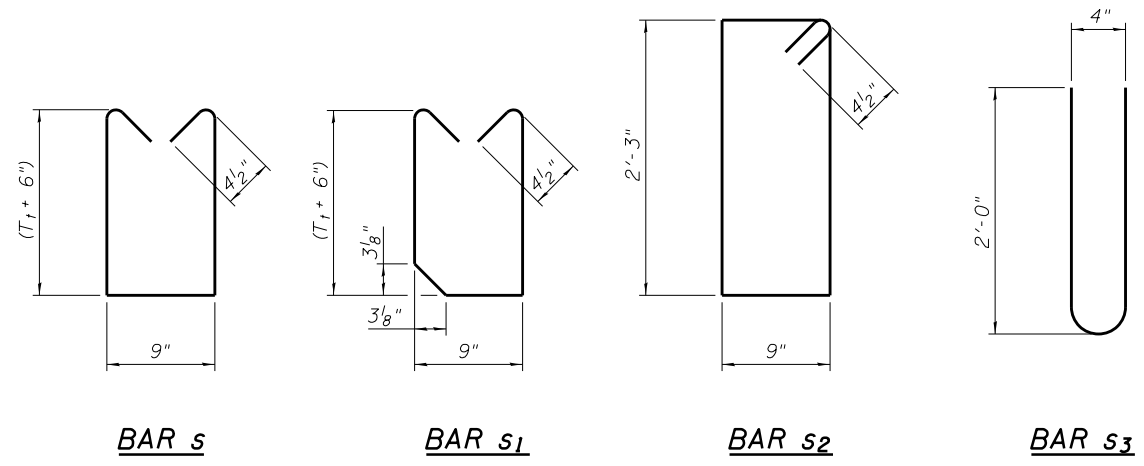
SECTION E-E



SECTION F-F
(Showing culvert tie details)

Notes:

1" φ anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for the tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

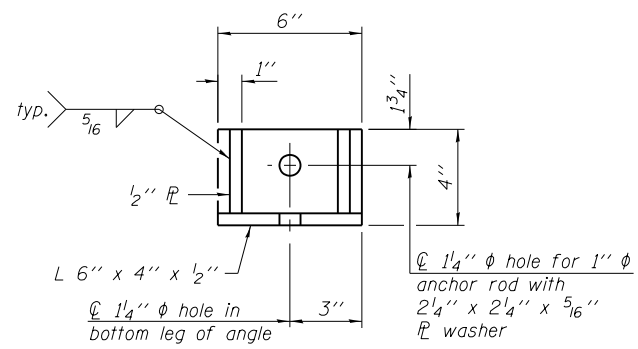


BAR s

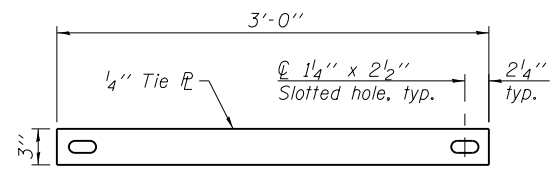
BAR s1

BAR s2

BAR s3



RESTRAINT ANGLE DETAIL



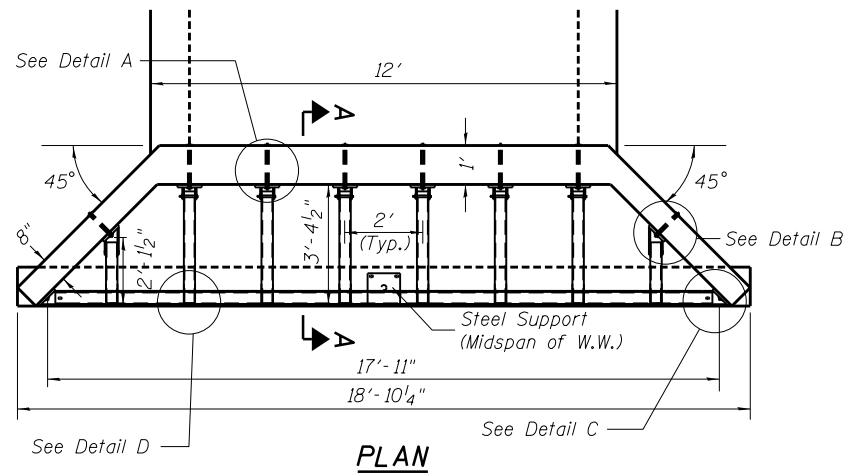
TIE PLATE DETAIL

SCB-AES

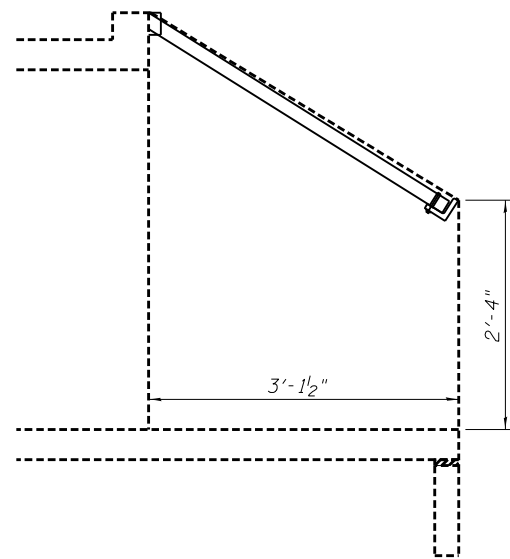
10-15-2016

(Sheet 2 of 2)

FILE NAME =	USER NAME = steffennik	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRECAST CONCRETE BOX CULVERT APRON END SECTION DETAILS - STRUCTURE NO. 087-8662 & 087-8663	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOTDocuments\DOT Offices\District 7\Projects\7458\DRAWING\CAD\Sheets\0774548-sht-details.dwg	REVISIONS	REVISIONS	REVISIONS			762	(1,2) RS-3	SHELBY	65	44	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISIONS	REVISIONS			CONTRACT NO. 74548					
Default	DATE -	REVISIONS	REVISIONS			SCALE:	SHEET 2 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



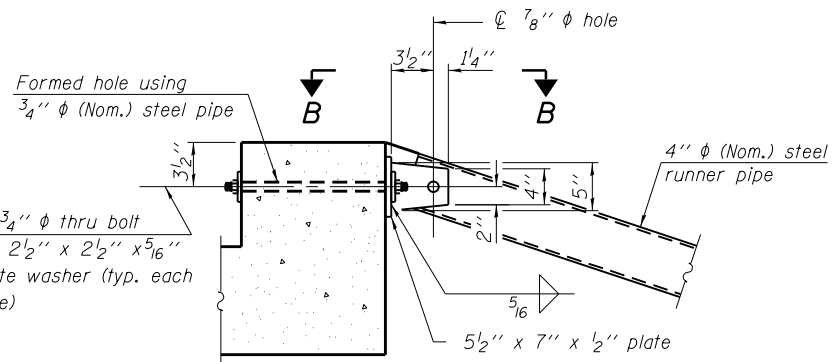
NOTE: PIPE LENGTHS ARE ONLY APPROXIMATE.
EXACT LENGTHS TO BE DETERMINED IN FIELD.



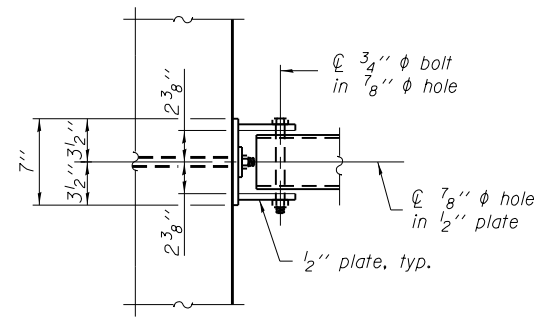
VIEW A-A

GENERAL NOTES

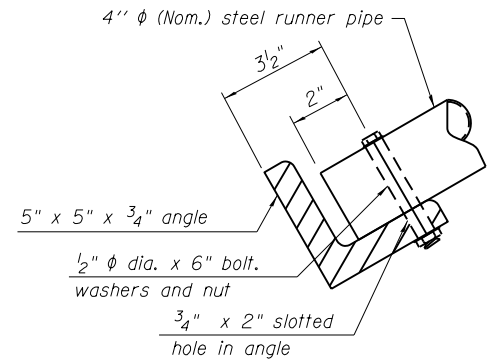
The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1 1/2" unless noted otherwise.
This standard shall only be used on concrete end sections not skewed more than ±15 degrees with roadway.
The Contractor may install the thru bolts using drilling and grouting in lieu of providing a formed hole using steel pipe. Installation shall be in accordance with Article 509.06 using a method that results in the annulus surrounding the bolt being completely filled with adhesive. The method of drilling shall not result in spalled concrete at the exit face. Epoxy grouted thru bolts shall be snug tightened followed by an additional 2/3 turn on the interior nut at final installation. Cost included with "Traversable Pipe Grate, Special"
1/2" φ holes shall be provided near center of angle between steel pipes to provide drainage of water off of angle.
All dimensions are to be verified in the field. Cutting of the pipe grates and angles to the exact length and drilling holes is to be done in the field.
This work shall be paid for at the contract unit price of Each for "Traversable Pipe Grate, Special" which price shall include all material and labor to complete the installation as shown.



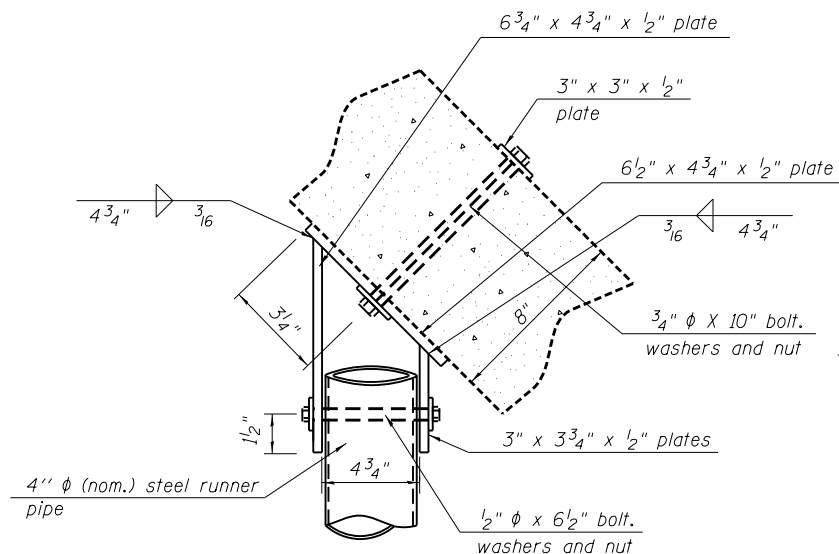
DETAIL A



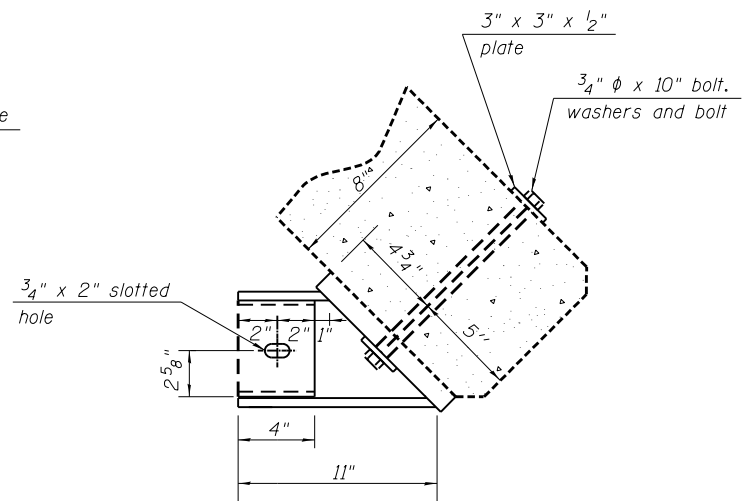
VIEW B-B



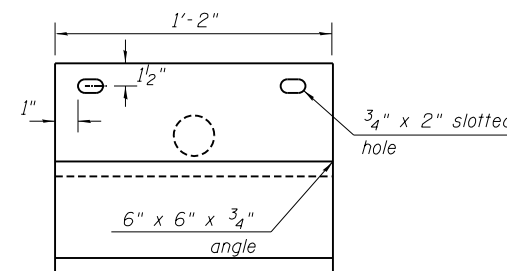
DETAIL D



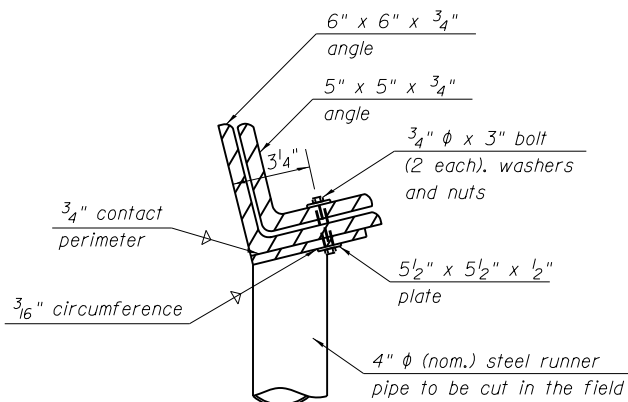
DETAIL B



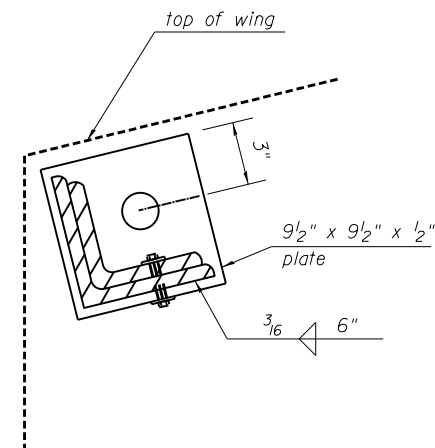
DETAIL C



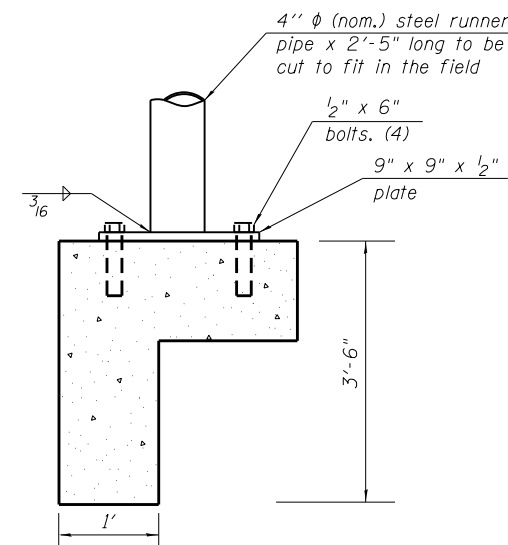
PLAN VIEW OF SUPPORT
(IF SPECIFIED)



END VIEW OF SUPPORT
(IF SPECIFIED)



ELEVATION AT END OF WINGWALL



CENTER SUPPORT

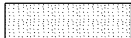
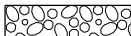
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	PLOT DATE = 2/3/2017		

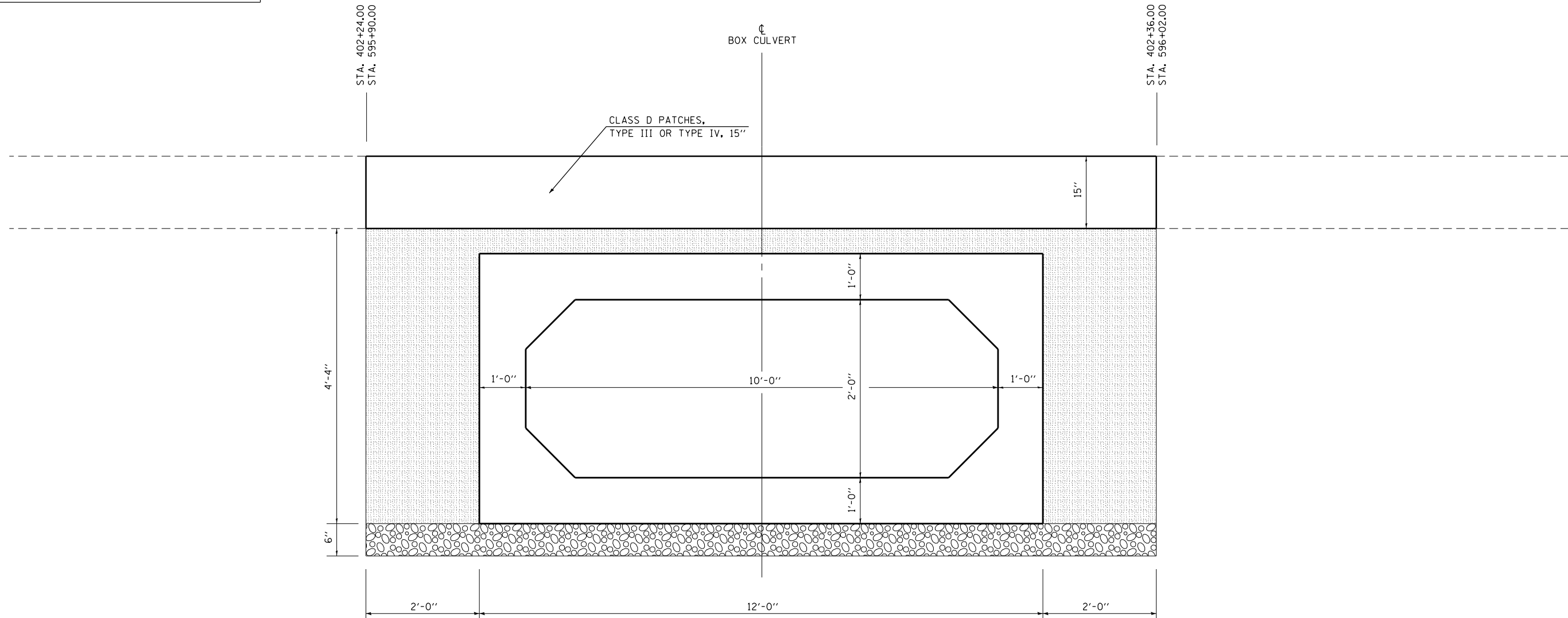
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR TRAVERSABLE PIPE GRATE, SPECIAL
S.N. 087-8663, STA. 595 + 96.00 LT. & RT.

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	45
CONTRACT NO. 74548				
ILLINOIS FED. AID PROJECT				

LEGEND	
	POROUS GRANULAR EMBANKMENT
	BOX CULVERT BEDDING (CA-7 OR CA-11)



POROUS GRANULAR EMBANKMENT SHALL EXTEND 2 FT. BEYOND THE AGGREGATE SHOULDER.

THE WORK SHOWN IN THIS DETAIL SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF ARTICLE 207 AND ARTICLE 540 OF THE STANDARD SPECIFICATIONS.

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD OF POROUS GRANULAR EMBANKMENT.

THE AREA TO BE EXCAVATED FOR THE PROPOSED BOX CULVERT SHALL NOT BE MEASURED FOR PAYMENT. THE COST OF THE EXCAVATION SHALL BE INCLUDED IN THE COST OF PRECAST CONCRETE BOX CULVERTS AND PRECAST CONCRETE BOX CULVERT END SECTIONS.

BILL OF MATERIAL (2 CULVERTS)

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	60.0

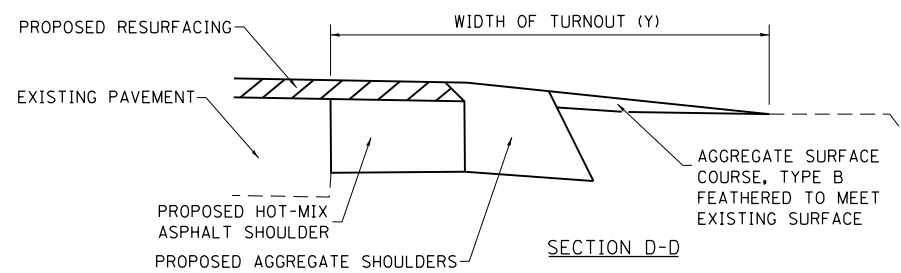
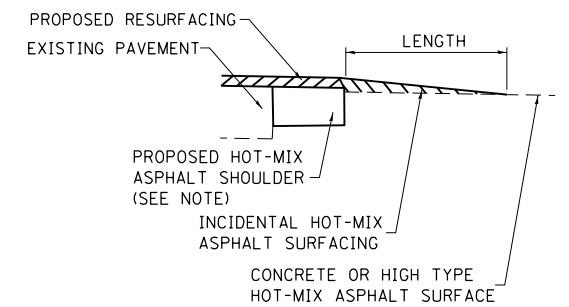
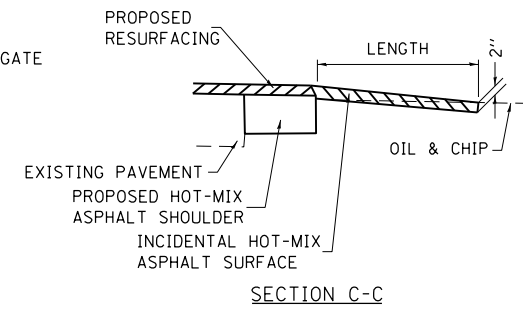
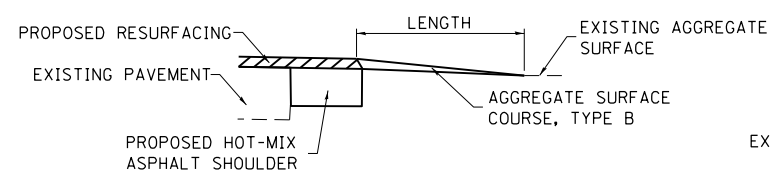
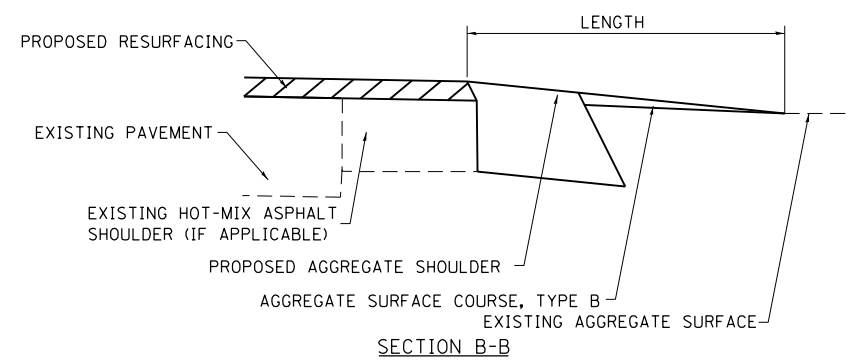
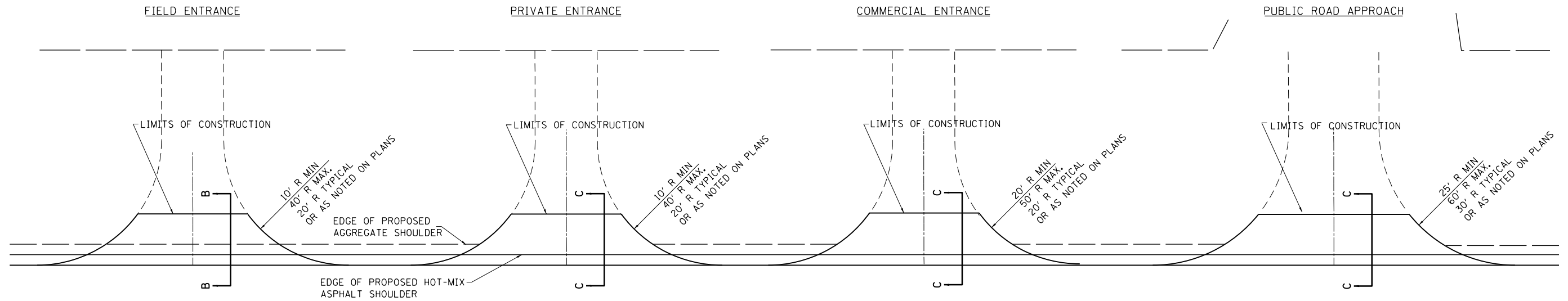
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 2/3/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

POROUS GRANULAR EMBANKMENT DETAIL

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	46
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 74548	



TYPICAL SECTION AT MAILBOX TURNOUT
NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

NOTES

LENGTH = 10' UNLESS OTHERWISE NOTED ON PLANS

THE THICKNESS OF THE HOT-MIX ASPHALT SHOULDERS THROUGH COMMERCIAL ENTRANCES (HOT-MIX ASPHALT) AND PUBLIC ROADS SHALL BE 10". THE COST OF THE EXTRA THICKNESS SHALL BE INCLUDED WITH THE HOT-MIX ASPHALT SHOULDERS PAY ITEM.

HOT-MIX ASPHALT SHOULDERS SHALL NOT BE CONSTRUCTED THROUGH A PCC ENTRANCE OR PCC PUBLIC ROAD APPROACH.

THE COST OF EXCAVATION IS INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

THE COST OF THE BITUMINOUS MATERIALS (TACK COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON
LT	556+58	FE		1.1
RT	575+13	FE		0.8

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON

FE=FIELD ENTRANCE PRA - PUBLIC ROAD APPROACH
PE=PRIVATE ENTRANCE MBT - MAILBOX TURNOUT
CE=COMMERCIAL ENTRANCE

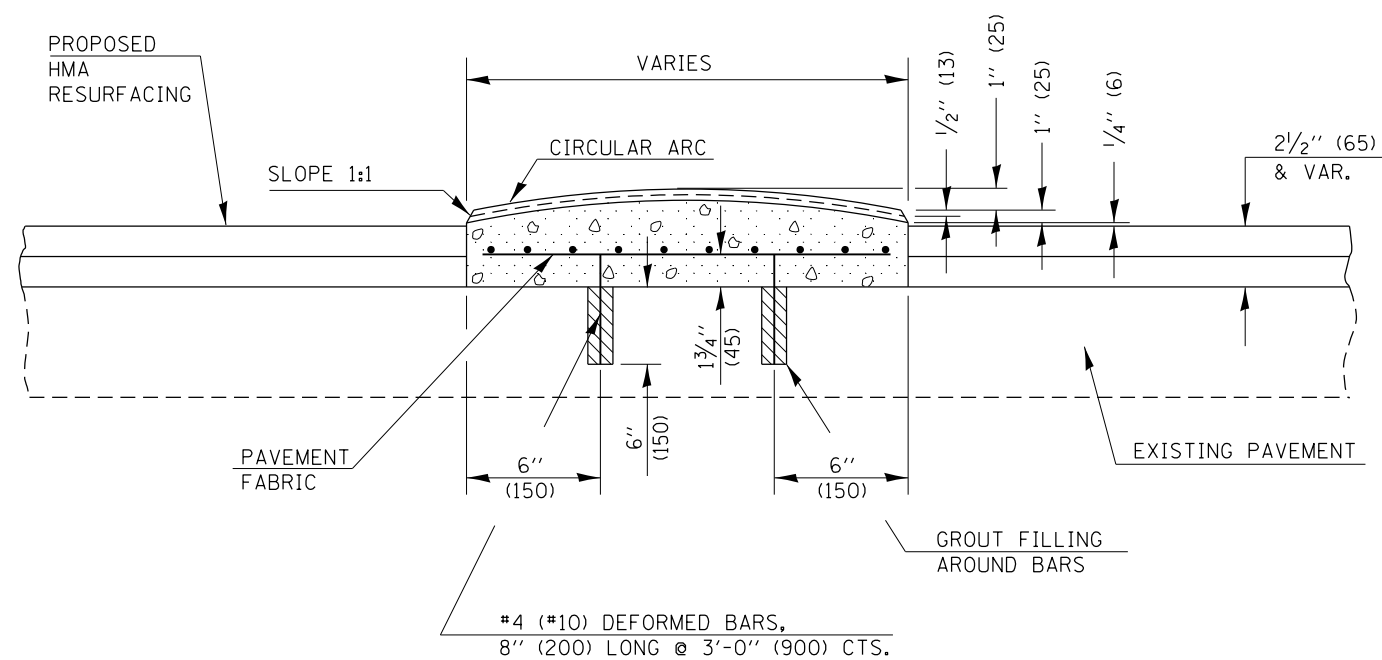
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PLOT SCALE = 100.0000' / 1"		CHECKED -	REVISED -
PLOT DATE = 2/3/2017		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

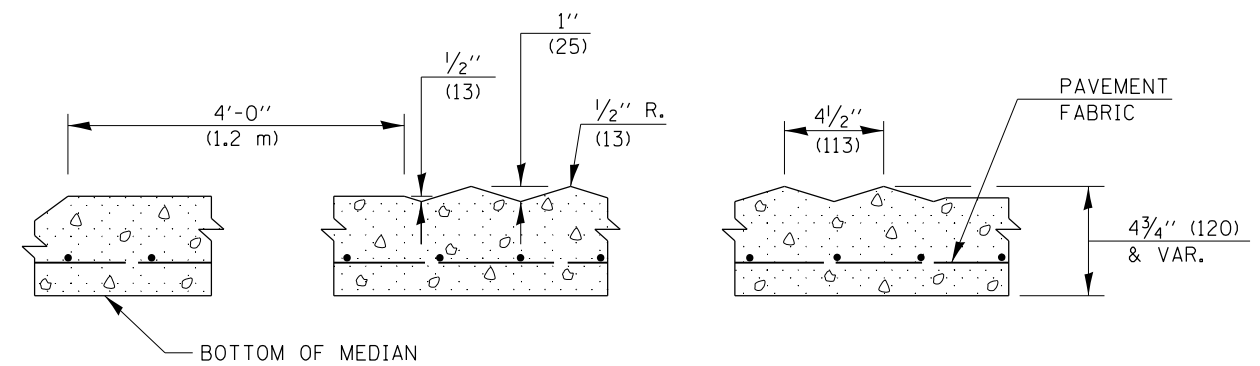
ENTRANCE SCHEDULE AND MAILBOX TURNOUT DETAILS
SHOULDERS (PROPOSED)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	47
CONTRACT NO. 74548				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



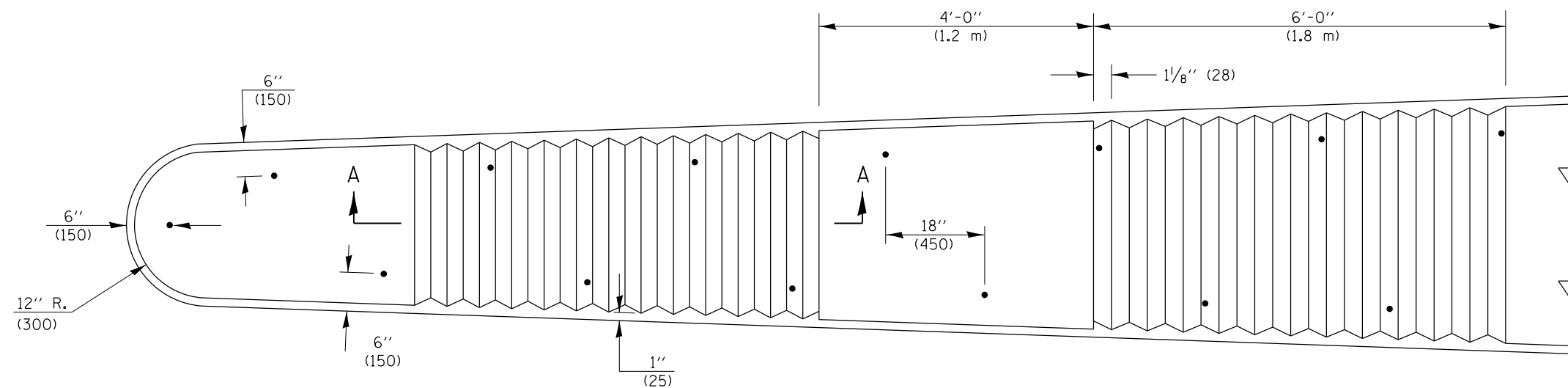
TRANSVERSE SECTION



SECTION A-A

GENERAL NOTES

1. DOWELS AT 3' -0" (900) INTERVALS OR AS DIRECTED BY THE ENGINEER.
2. SEE STANDARD 420701 FOR PAVEMENT FABRIC DETAILS.
3. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ FT FOR CORRUGATED MEDIAN (DOWELLED). THE COST OF FURNISHING AND INSTALLING THE DOWEL BARS, GROUT FILLING, AND PAVEMENT FABRIC SHALL BE INCLUDED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



PLAN

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

DISTRICT 7 DETAIL NO. 60624610

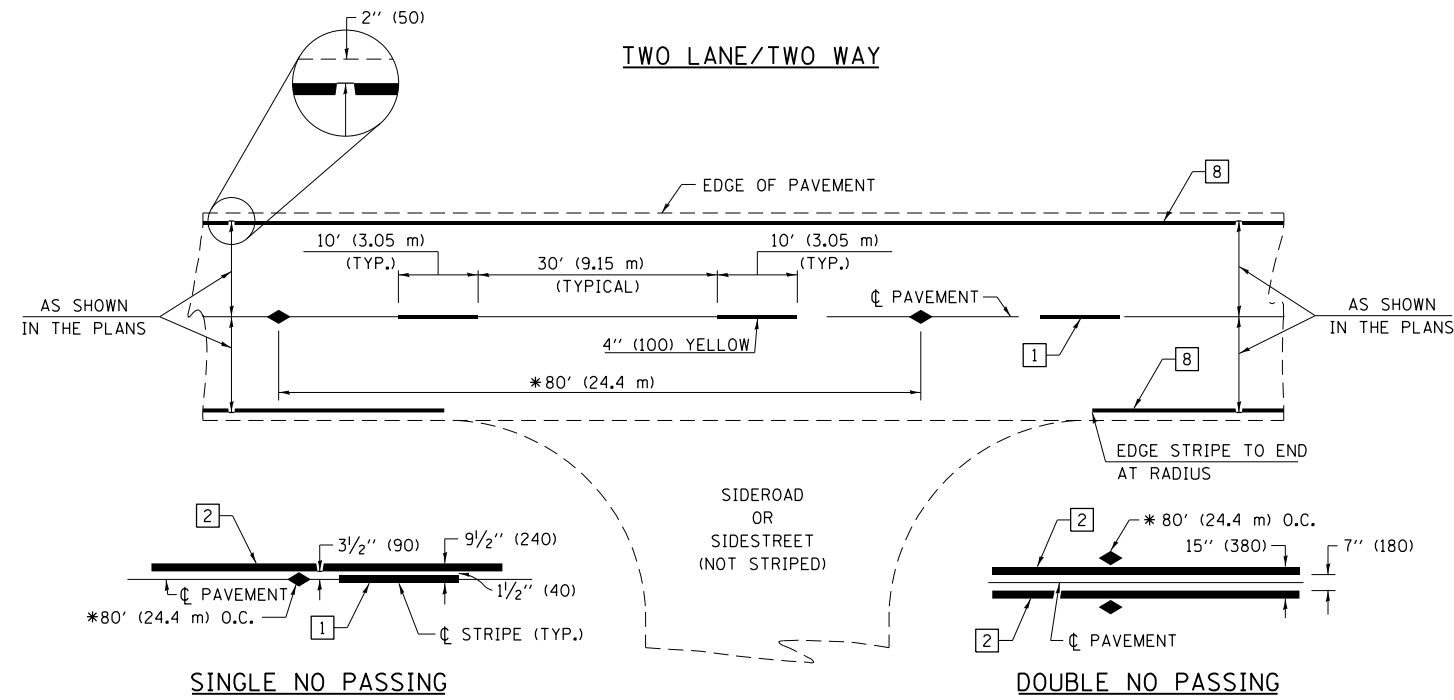
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CORRUGATED MEDIAN (DOWELLED)

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

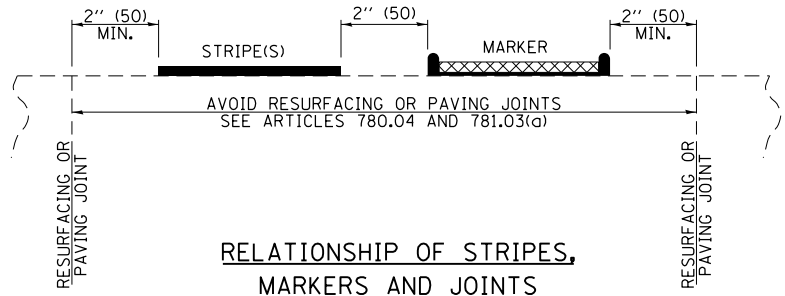
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	49
CONTRACT NO. 74548				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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

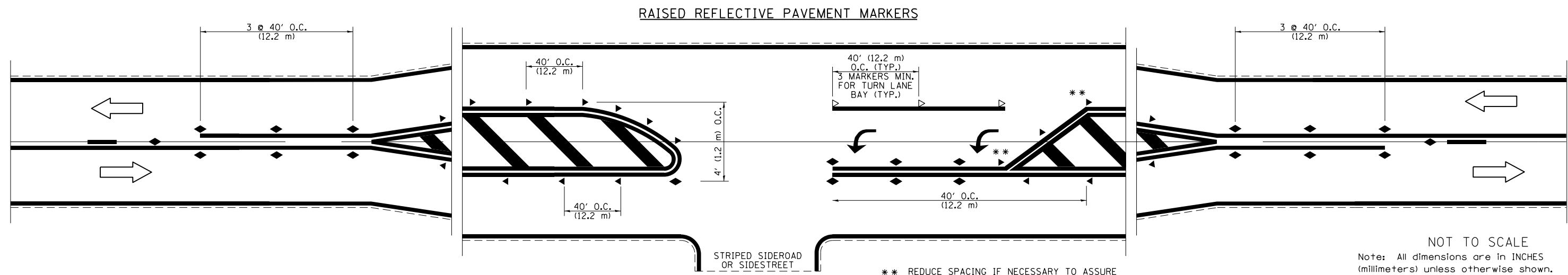
PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
 - 2 4" (100) SOLID (YELLOW)
 - 3 12" (300) DIAGONAL (YELLOW)
 - 4 4" (100) DOUBLE YELLOW (NARROW)
 - 5 12" (300) SOLID WHITE
 - 6 RESERVED
 - 7 6" (150) 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) PARKING WHITE
-

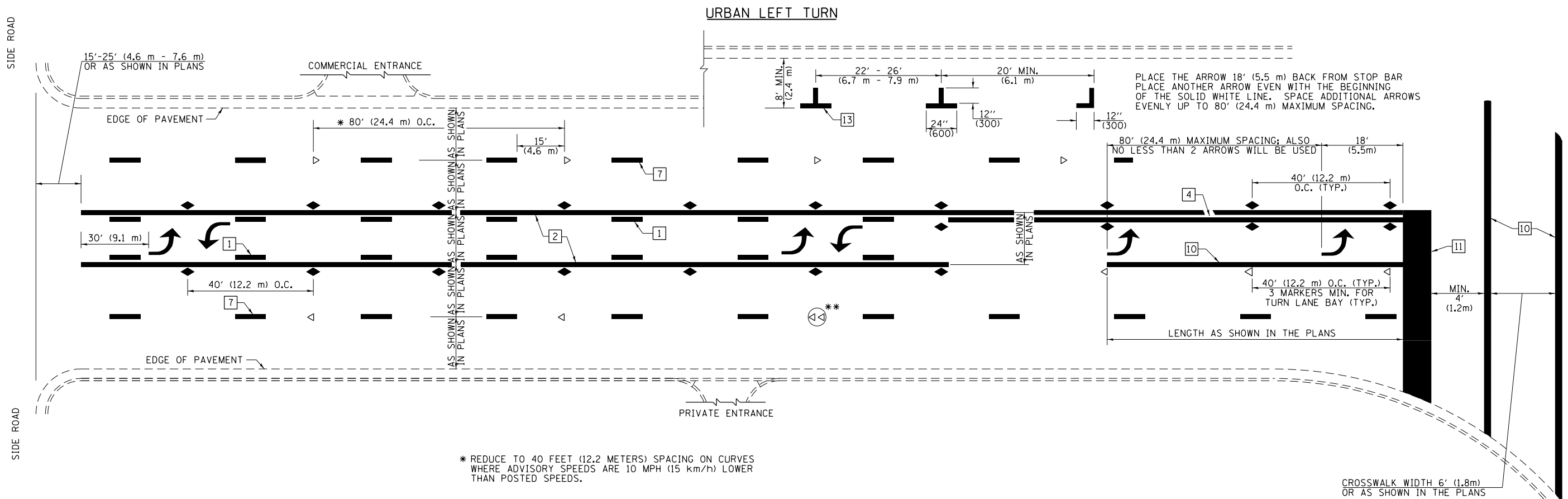


TYPICAL PAVEMENT MARKERS LEGEND

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



NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.



PLACE THE ARROW 18' (5.5 m) BACK FROM STOP BAR
 PLACE ANOTHER ARROW EVEN WITH THE BEGINNING
 OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS
 EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING.

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

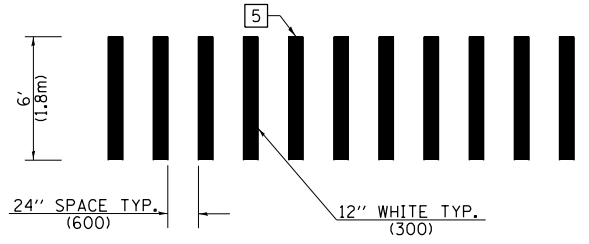
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED
 AND SPACED AS SHOWN IN HIGHWAY STANDARD
 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED
 HIGHWAYS.

PAVEMENT MARKING LEGEND

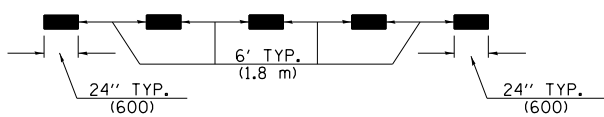
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP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

GENERAL NOTES

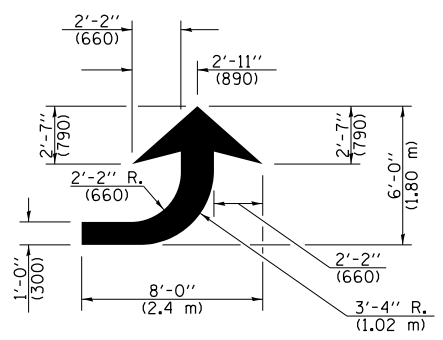
1. TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
3. 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.
4. USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)
5. LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.



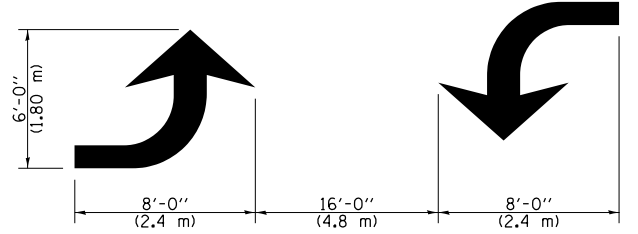
**CROSSWALK DETAIL
 (DECATUR CITY LIMITS ONLY)**



LANE LINE EXTENSIONS



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



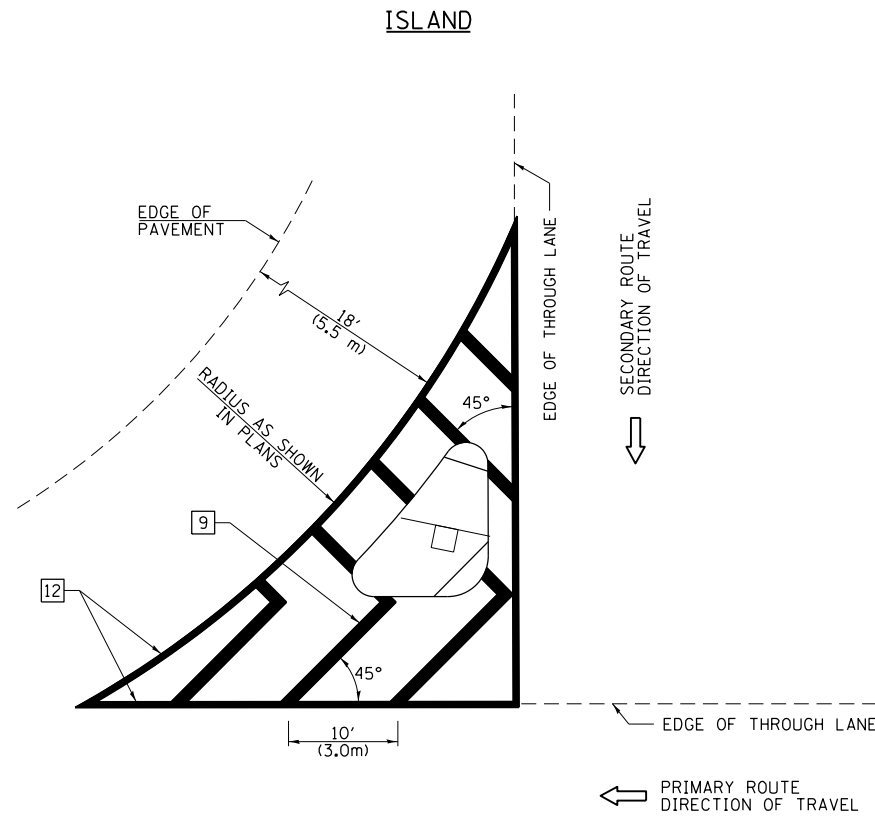
**TYPICAL DOUBLE
 TURN ARROWS (WHITE)**

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)		F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 7\Projects\7458\Drawings\CABsheets\0774548-sht-details.dwg	PLotted SCALE = 100.0000' / 1in.	CHECKED -	REVISED -				762	(1,2) RS-3	SHELBY	65	51
PLOT DATE = 2/3/2017	DATE -	REVISED -	REVISED -				CONTRACT NO. 74548				
							ILLINOIS FED. AID PROJECT				



GENERAL NOTES

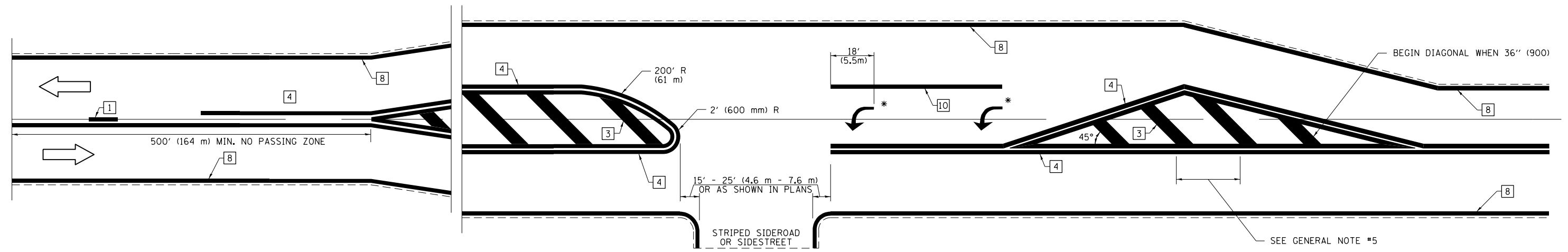
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:

< 30 MPH (< 50 km/h)	15' (4.5 m)
30-45 MPH (50-75 km/h)	20' (6.0 m)
>45 MPH (>75 km/h)	30' (9.0 m)

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] 12" (300) SOLID WHITE
- [6] RESERVED
- [7] 6" (150) 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) PARKING WHITE

RURAL LEFT TURN STRIPING



* PLACE AN ARROW 18' (5.5 m) BACK FROM STOP BAR. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE
 Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\7458\Drawings\CABsheets\0774548-sht-details.dwg		DRAWN -	REVISED -
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	PLOT DATE = 2/3/2017	DATE -	REVISED -

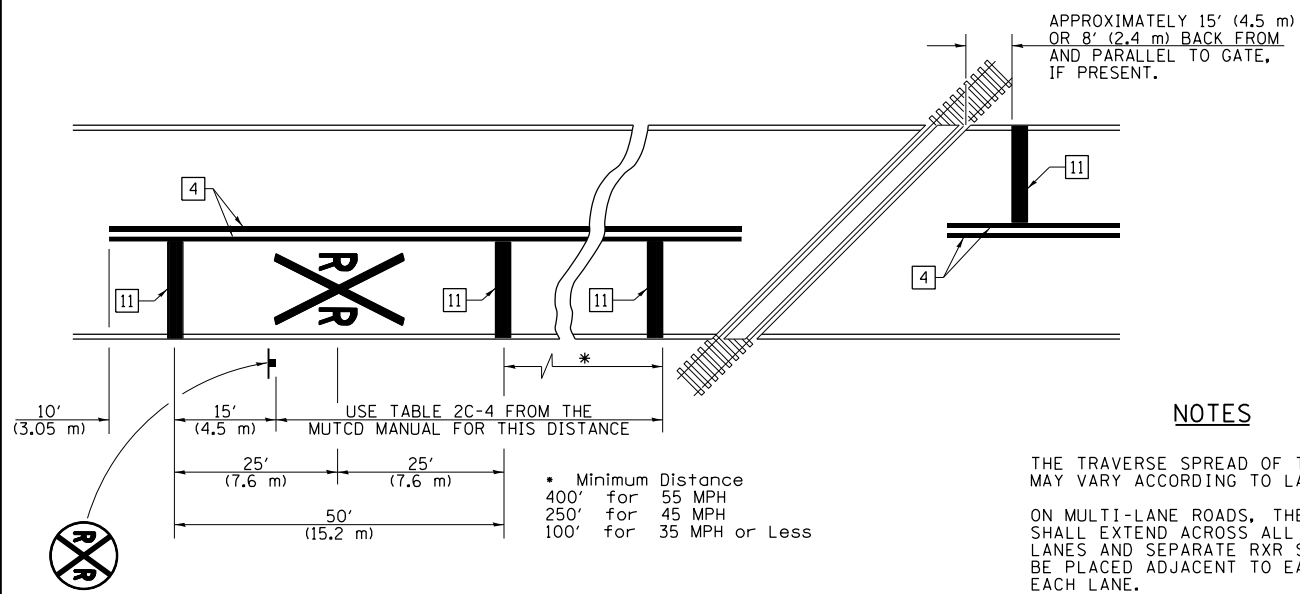
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	52
CONTRACT NO. 74548				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



NOTES

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

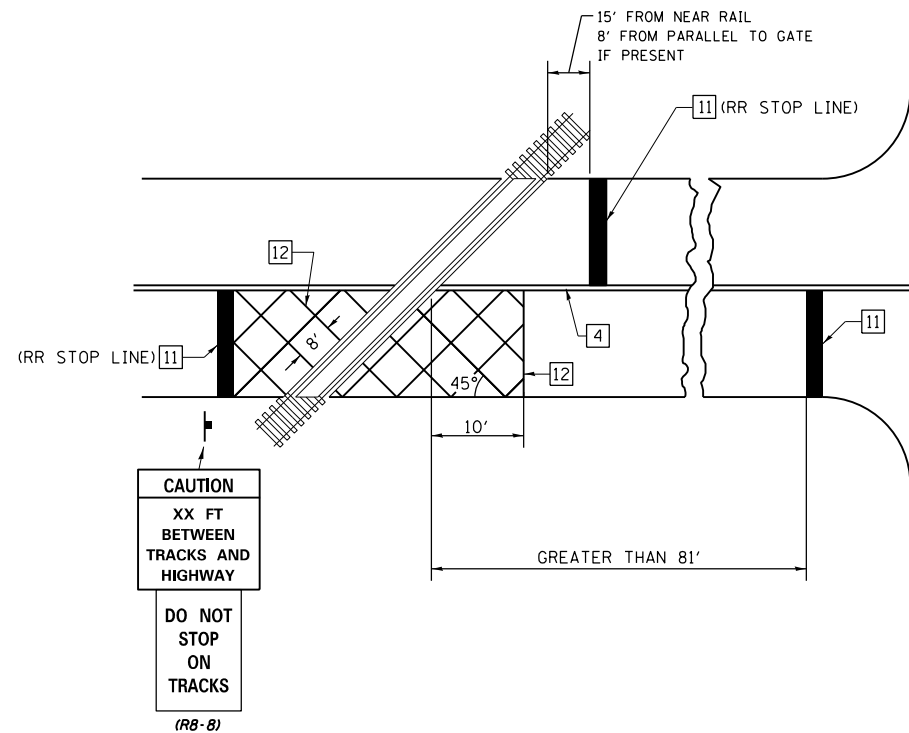
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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.

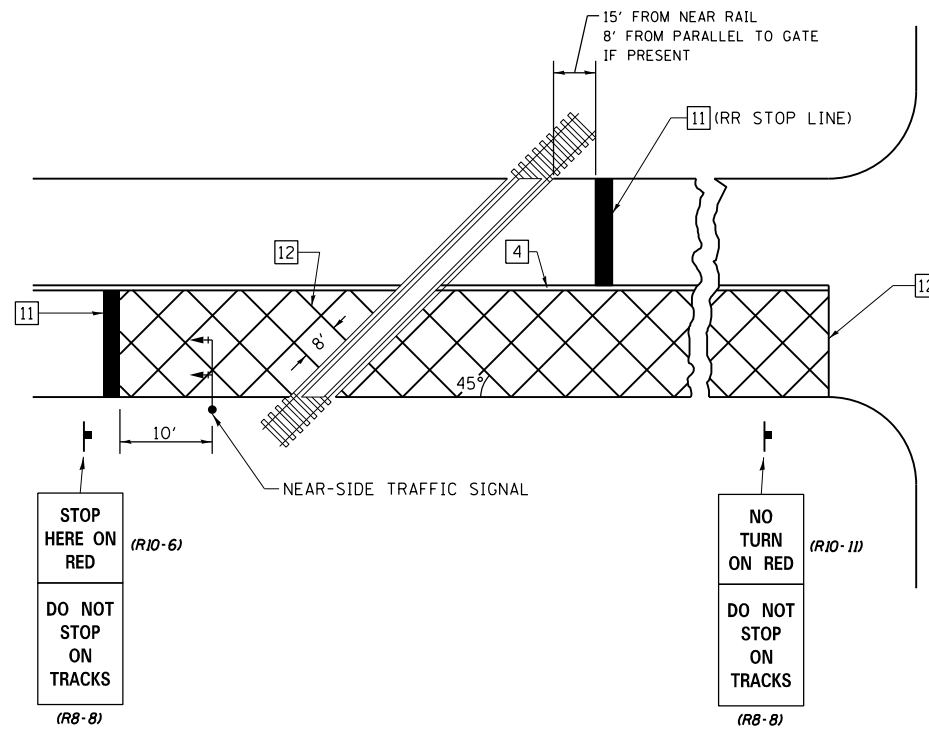
PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) 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) PARKING WHITE

RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



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.

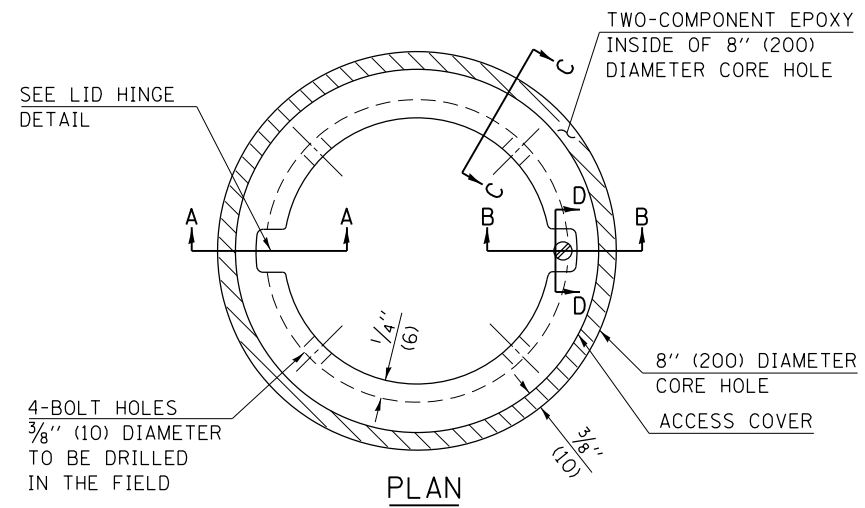
SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

NOT TO SCALE

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

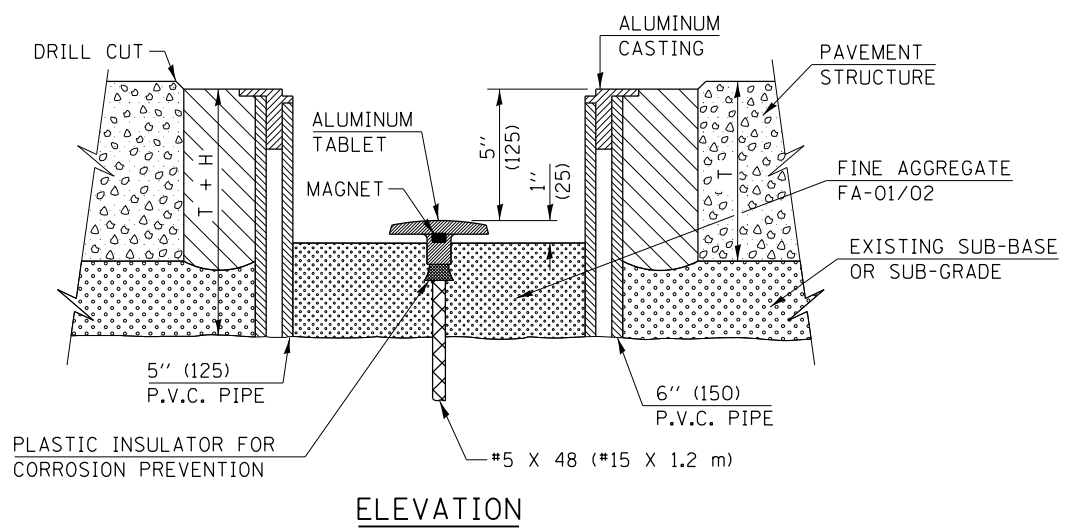
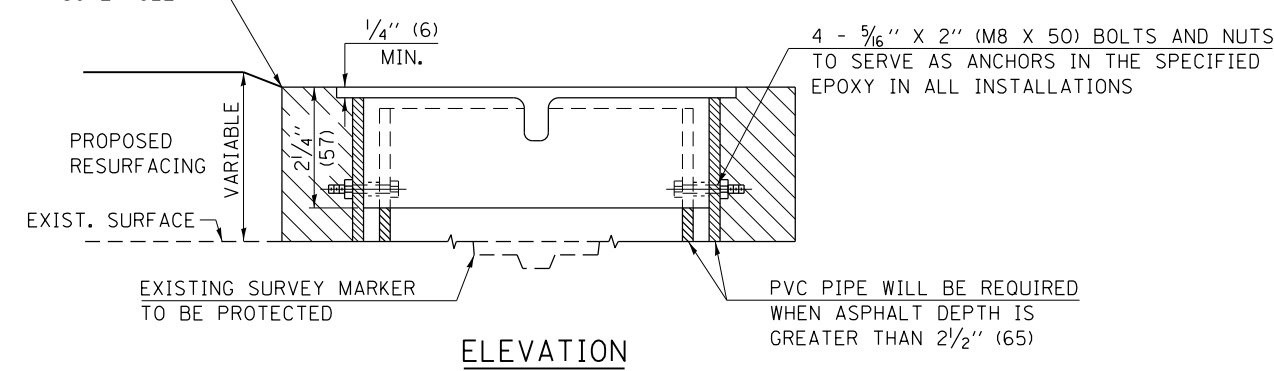
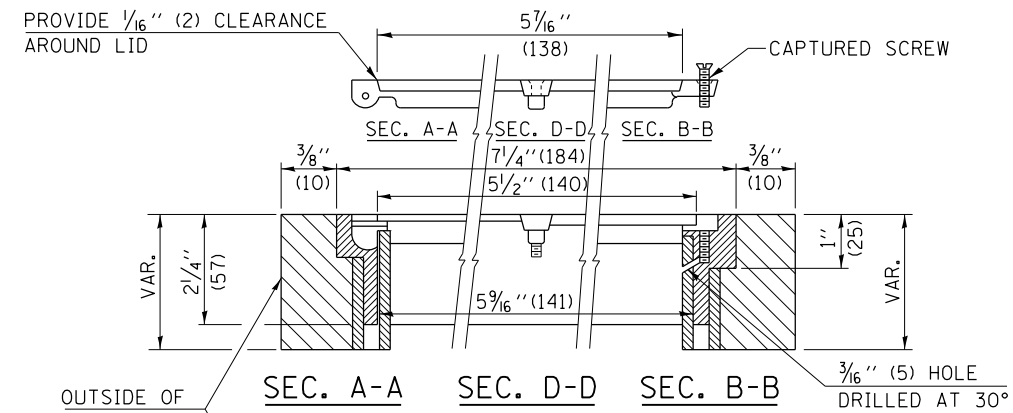
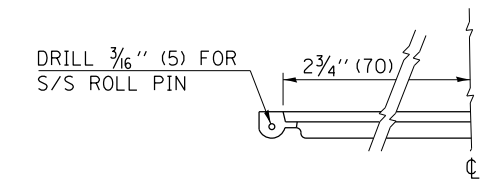
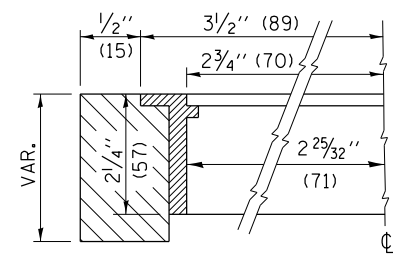
DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 7\Projects\7458\Drawings\CABsheets\0774548-sht-details.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			762	(1,2) RS-3	SHELBY	65	53
	PLOT DATE = 2/3/2017	DATE -	REVISED -			CONTRACT NO. 74548				
						ILLINOIS FED. AID PROJECT				



- LEGEND**
- ALUMINUM CASTING
 - 5" (125) OR 6" (150) P.V.C. PIPE
 - TWO-COMPONENT EPOXY
- T = THICKNESS OF PAVEMENT STRUCTURE
- H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)

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).	



NOT TO SCALE

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

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED - MAD 6-11
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		PLOT DATE = 2/3/2017	REVISED -

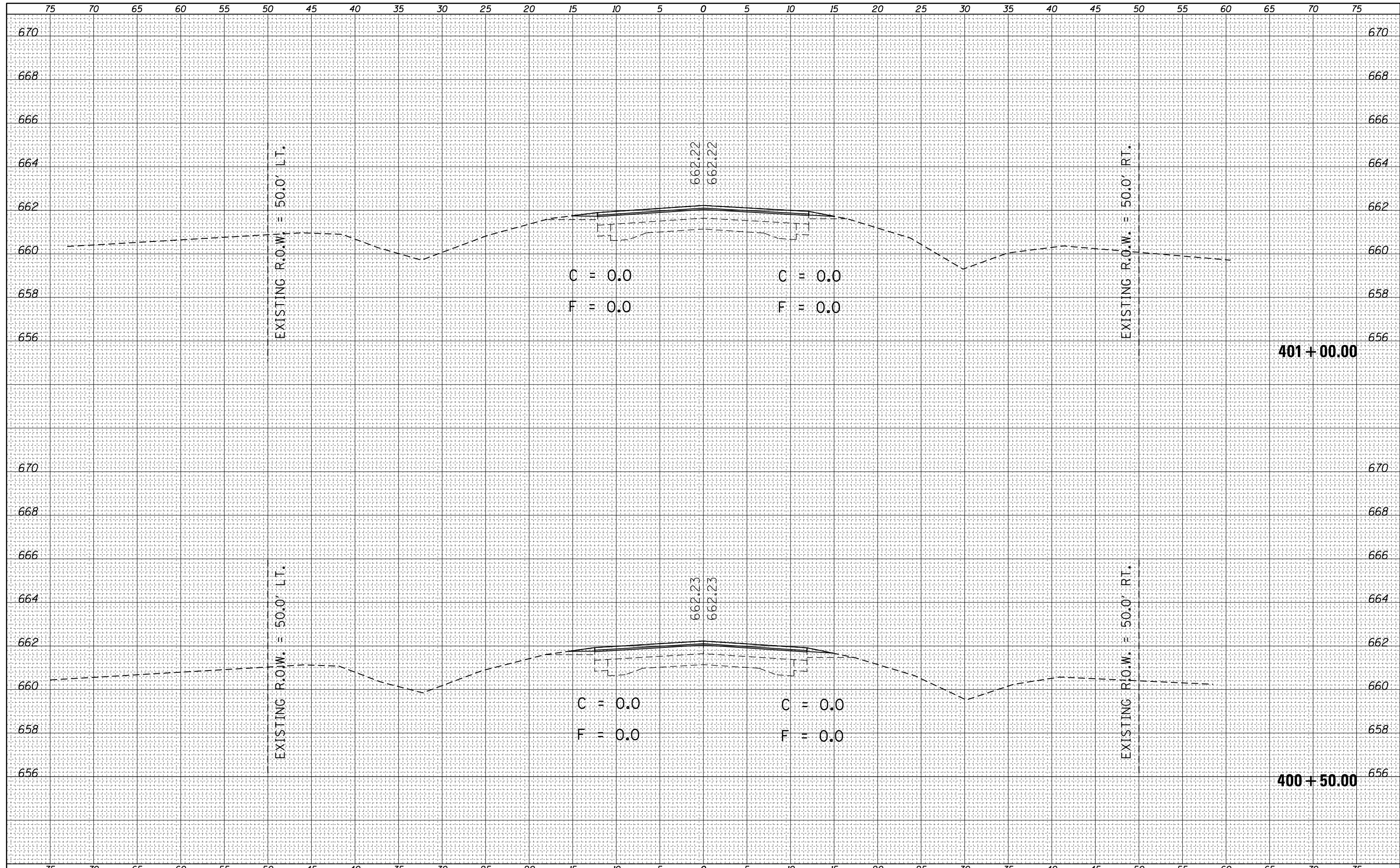
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SURVEY MARKER VAULT			
SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

DISTRICT 7 DETAIL NO. Z0070202				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(1,2) RS-3	SHELBY	65	54
CONTRACT NO. 74548				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

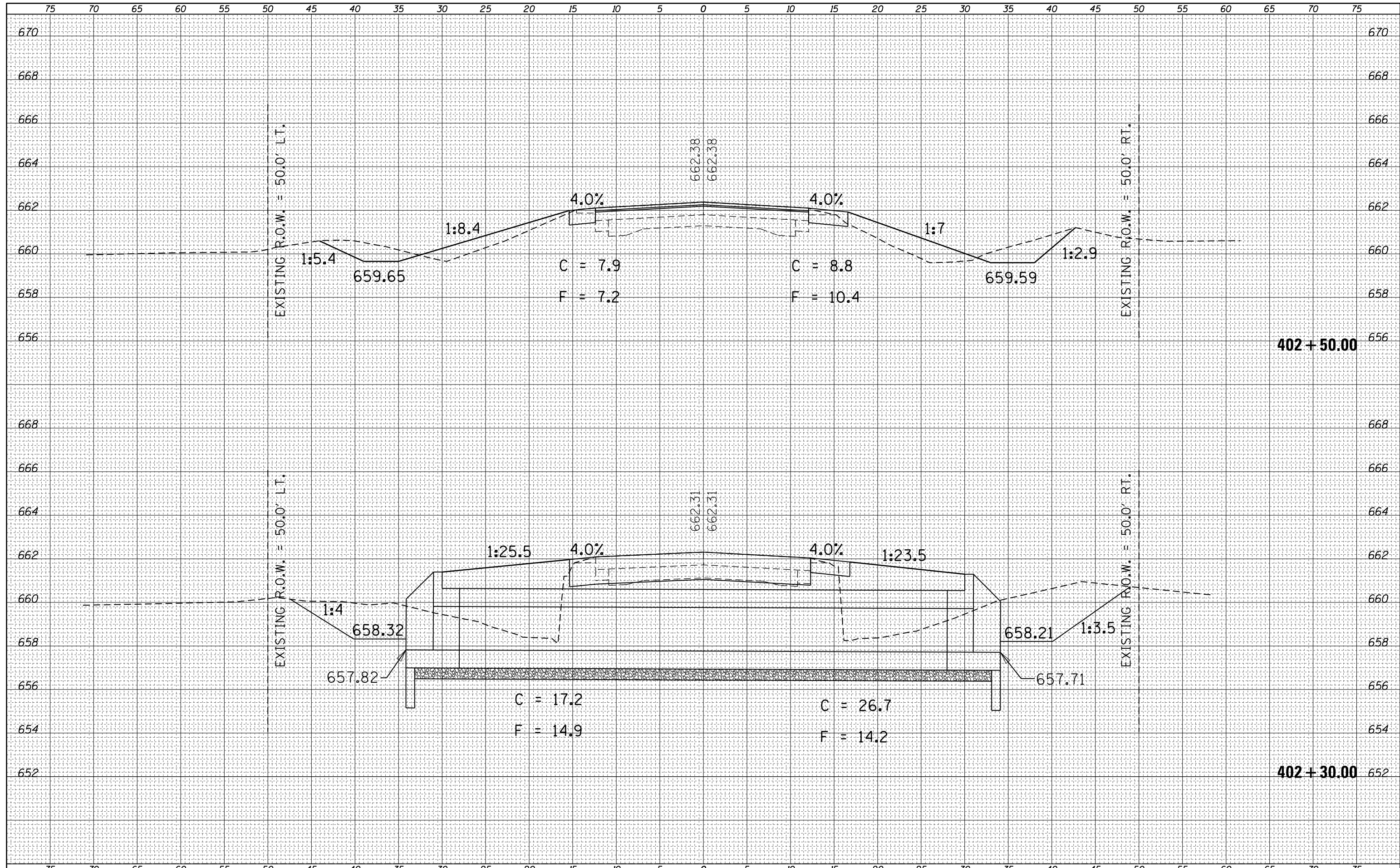
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BY	
FINAL SURVEY NO.	
SURVEYED	
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DATE	
BY	
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SURVEYED	
PLOTTED	
TEMPLATE	
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DATE	
BY	
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NOTE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

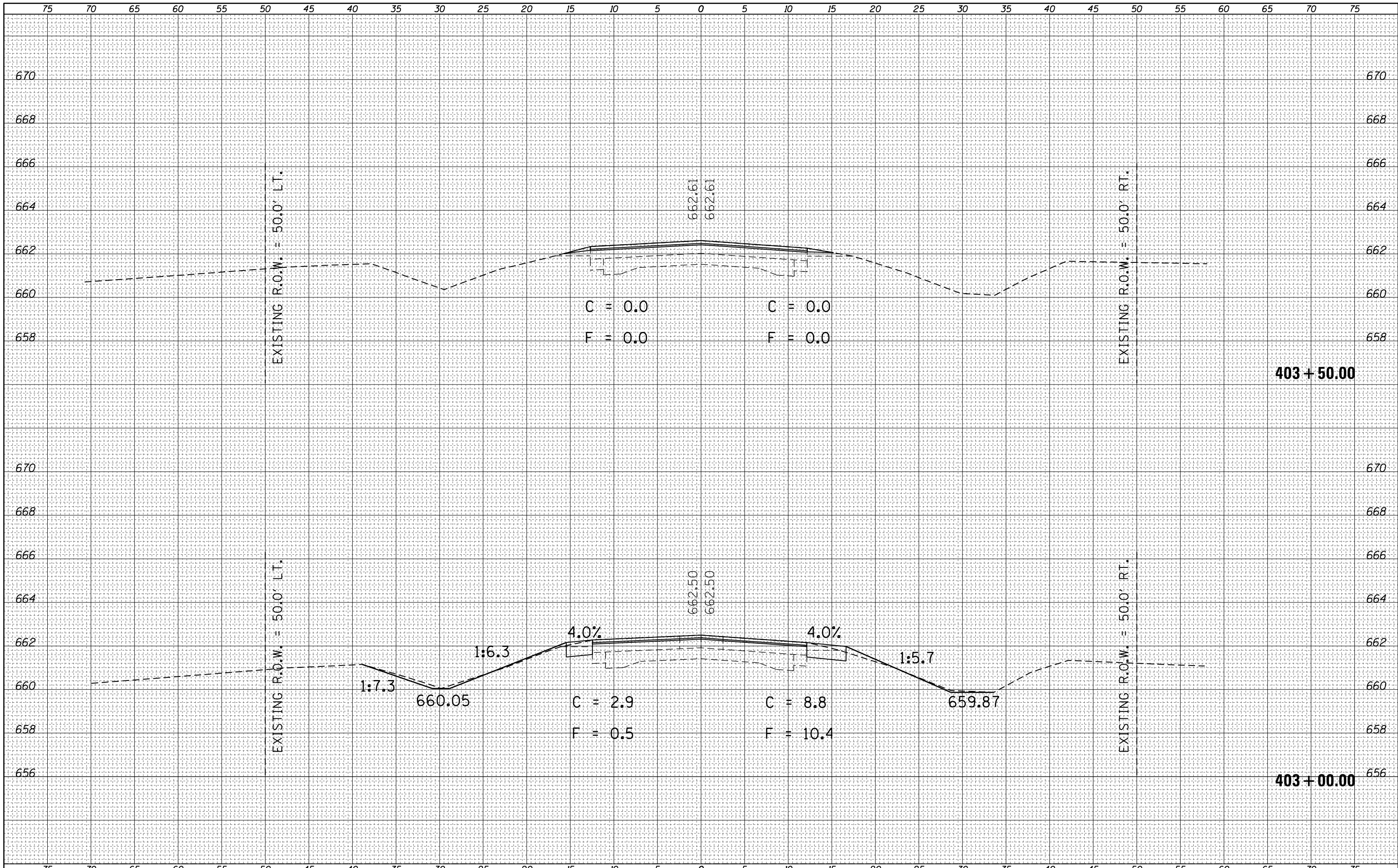
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BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTION SHEETS BOX CULVERT - STA. 402+30.00			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	DOT Offices\District 7\Projects\74548\CADD\Drawings\sheet\074548-sht-xsht.dgn	CHECKED -	REVISOR -		762	(1,2) RS-3	SHELBY	65	57			
	PLOT SCALE = 10.0000' / in.	DATE -	REVISOR -		CONTRACT NO. 74548			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 2/3/2017				SCALE:	SHEET 3	OF 5 SHEETS	STA. 402+30.00	TO STA. 402+50.00			

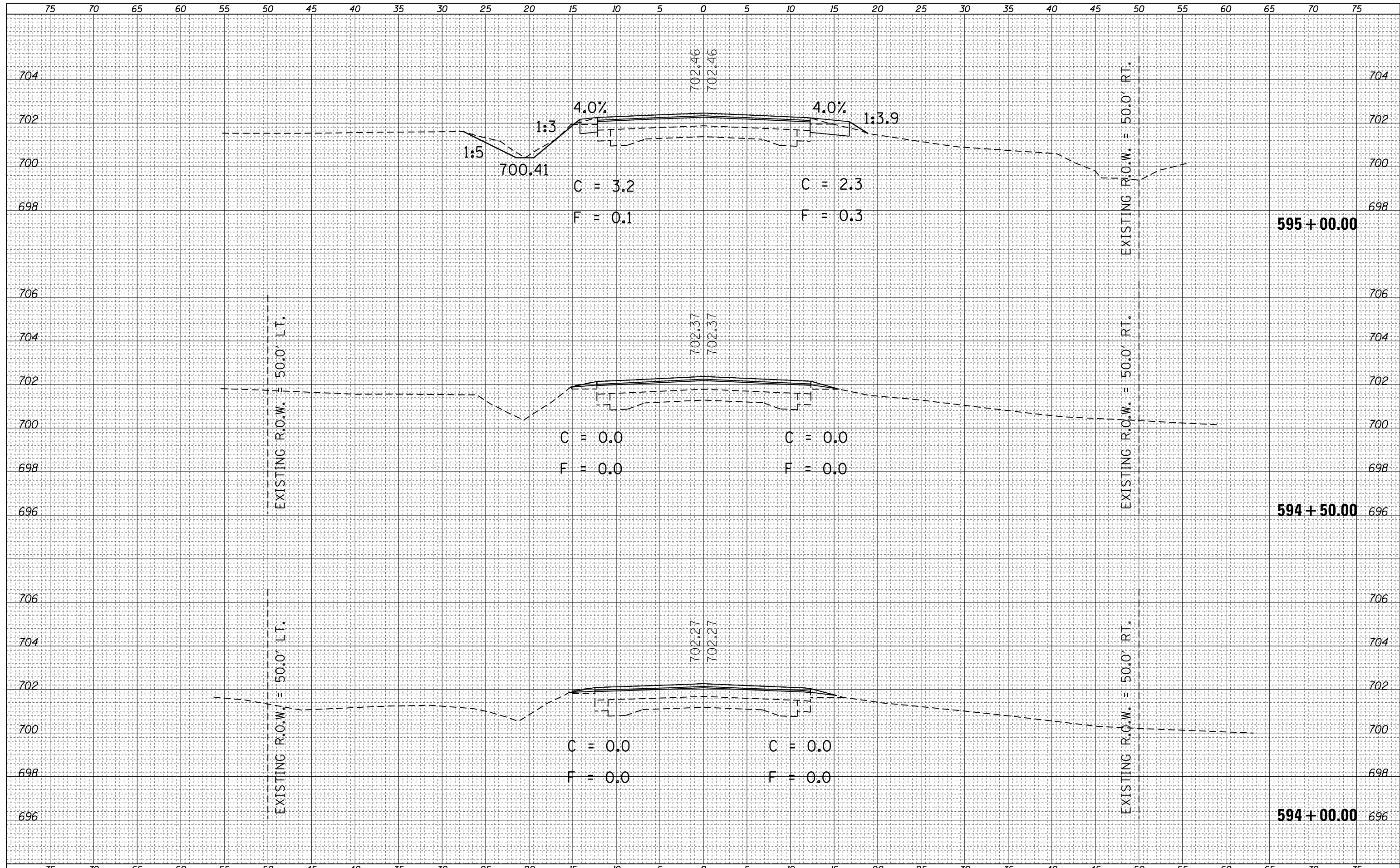
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BY	
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NOTE BOOK	
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DATE	
BY	
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SURVEYED PLOTTED	
NOTE BOOK	
AREAS CHECKED	



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

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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FINAL SURVEY	
NOTE BOOK	
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ORIGINAL SURVEY	
NOTE BOOK	
NO.	

