

08-03-2018 LETTING ITEM 003

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

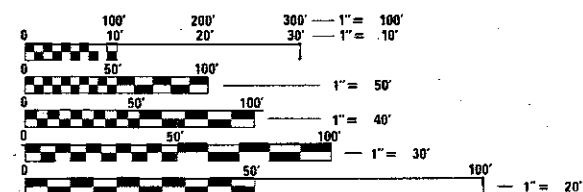
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	S-N-1	KANE	76	1
ILLINOIS			CONTRACT NO. 60P66	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN:
VILLAGE OF CARPENTERSVILLE
AND UNINCORPORATED KANE COUNTY

TRAFFIC DATA

IL 31 ADT - 17,600 (2017)
IL 31 SPEED LIMIT - 50 MPH
MILLER ROAD ADT - 3,800 (2014)
MILLER ROAD SPEED LIMIT - 35 MPH



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

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

PROJECT ENGINEER: DANIEL WILGREEN (847) 705-4240
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 60P66

PROPOSED HIGHWAY PLANS

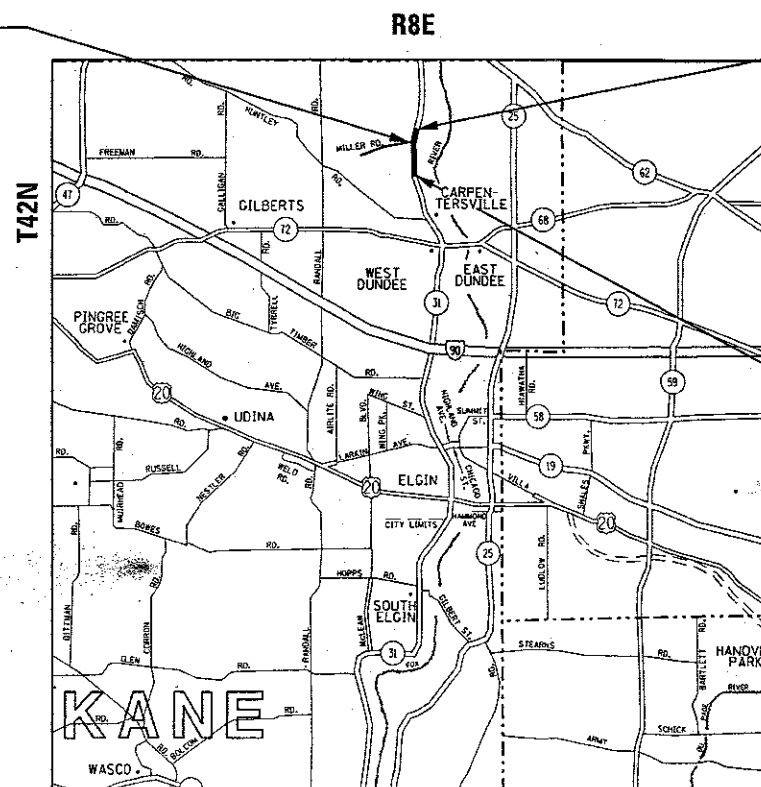
F.A.U. ROUTE 3887 (IL 31)
AT MILLER ROAD
SECTION: S-N-1
PROJECT: STP-3887(004)
CHANNELIZATION
KANE COUNTY

C-91-596-11

PROJECT LIMIT
MILLER RD
STA 198+35 TO
STA 200+00

PROJECT ENDS
IL ROUTE 31
STA 506+50

PROJECT BEGINS
IL ROUTE 31
STA 481+80



DUNDEE TOWNSHIP

TOTAL GROSS AND NET LENGTH = 2635 FT = 0.50 MILE

D-91-596-11



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED MAY 8 2018
Anthony J. Quigley / CHS
REGIONAL ENGINEER
June 29 2018
Scott A. Elk
ENGINEER OF DESIGN AND ENVIRONMENT
June 29 2018
Daniel P. Chaf
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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701311-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS $\geq$ 45 MPH
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704001-08	TEMPORARY CONCRETE BARRIER
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, VILLAGE OF CARPENTERSVILLE AND KANE COUNTY.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING, EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40MM) WHERE THE SPEED LIMIT IS 45 MPH (80KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H), WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (OR COMBINATION CURB AND GUTTER, WITH THE TYPE SPECIFIED ON THE PLANS), WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED
IN THE FIELD BY THE ENGINEER.

FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING
FRAMES AND LIDS UNLESS OTHERWISE SPECIFIED IN THE PLANS.

FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE PROJECT LIMITS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.

THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE ENGINEER SHALL CONTACT DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER, AT (847) 741-9857 OR DON.CHIARUGI@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM AND FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO DISTRICT 1 TYPICAL PAVEMENT MARKING.

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT STANDARDS AS NOTED IN THE DETAIL.

PIPE UNDERDRAINS TYPE 2 SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE SUBGRADE OR UNDERCUT.

THE CONTRACTOR SHALL CONTACT THE ROADSIDE DEVELOPMENT UNIT IN THE BUREAU OF MAINTENANCE AT (847) 705-4171 AT LEAST 72 HOURS IN ADVANCE OF SELECTIVE CLEARING WORK TO ASSIST WITH MARKING OF TREES TO BE SAVED.

GENERAL NOTES:

404 PERMIT NOTE:

THE PROJECT REQUIRES A U.S. ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM AND WETLAND WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK.

SWPPP NOTE:

THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS, PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP.

PRIOR TO EMBANKMENT PLACEMENT, ALL VEGETATION, LOOSE MATERIAL, AND UNSTABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACED WITH SUITABLE EMBANKMENT MATERIAL. ANY EMBANKMENT WIDENING ON EXISTING SLOPES SHOULD BE BENCHED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CUYD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND THE IDOT SUBGRADE STABILITY MANUAL.

ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
IL 31 AT MILLER ROAD

FILE NAME =	USER NAME = Bilgramise	DESIGNED - SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES IL 31 AT MILLER ROAD	F.A.U. SHEETS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
px\IL084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\PI4460\Drawings\Design\SB\44609-sht-gennote.dgn		FOR AWD	REVISED -			3887	S-N-1	KANE	76	2
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60P66				
	PLOT DATE = 5/10/2018	DATE -	REVISED -			SCALE:	SHEET 1	OF 1	SHEETS	STA.
									ILLINOIS FED. AID PROJECT	

URBAN										URBAN												
SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE								
CODE NO	ITEM	UNIT		80% FED 20% ST	80% FED 20% KCFPD					CODE NO	ITEM	UNIT		80% FED 20% ST	80% FED 20% KCFPD							
				0004 ROADWAY	0028 PATH									0004 ROADWAY	0028 PATH							
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1926.5	1926.5					*	25200110	SODDING, SALT TOLERANT	SO YD	2279	2279								
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	1103	1103						28000305	TEMPORARY DITCH CHECKS	FOOT	252	252								
20101000	TEMPORARY FENCE	FOOT	920	920						28000400	PERIMETER EROSION BARRIER	FOOT	2067	2067								
20101100	TREE TRUNK PROTECTION	EACH	34	34						28000500	INLET AND PIPE PROTECTION	EACH	30	30								
20200100	EARTH EXCAVATION	CU YD	12682	12682						28000510	INLET FILTERS	EACH	30	30								
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE	CU YD	211	211						28100107	STONE RIPRAP, CLASS A4	SO YD	50	50								
	MATERIAL																					
										28200200	FILTER FABRIC	SO YD	50	50								
20700220	POROUS GRANULAR EMBANKMENT	CU YD	423	423						30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	240	240								
21001000	GEOTECHNICAL FABRIC FOR GROUND	SO YD	563	563						30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	5623	5623								
	STABILIZATION																					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	16947	16947						31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	66	66								
21400100	GRADING AND SHAPING DITCHES	FOOT	3365	3365						31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SO YD	2093	2093								
25000210	SEEDING, CLASS 2A	ACRE	1.1	1.1						31102000	SUBBASE GRANULAR MATERIAL, TYPE C	CU YD	136	136								
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	145	145						35101800	AGGREGATE BASE COURSE, TYPE B 6"	SO YD	1532		1532							
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	145	145						35501306	HOT-MIX ASPHALT BASE COURSE, 5 1/2"	SO YD	3452	3452								
25100115	MULCH, METHOD 2	ACRE	0.1	0.1						35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	249	249								
25100630	EROSION CONTROL BLANKET	SO YD	17895	17895						35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	248	248			*	SPECIALTY ITEMS				
FILE NAME =			USER NAME = Bngamisa		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES				F.A.U. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D:\NLD\B\BID\TEG\Illinois\p\WIDOT\Documents\NLDOT\Office\District A\Projects\PH4609\CA\Drawings\PH4609\PH4609.dgn			OFFICE DISTRICT A PROJECTS\PH4609\CA\Drawings\PH4609\PH4609.dgn		CHECKED -		REVISED -										3887	5-N-1	KANE	76	3	
PLOT SCALE = 1000000' / 1"			PLOT DATE = 5/10/2018		DATE -		REVISED -										CONTRACT NO. 60P66					
																	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT					

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% ST 0004 ROADWAY	80% FED 20% KCFPD 0028 PATH			
35501317	HOT-MIX ASPHALT BASE COURSE, 8 1/4"	SQ YD	2122	2122				
35501324	HOT-MIX ASPHALT BASE COURSE, 10"	SQ YD	200	200				
35600709	HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/4"	SQ YD	245	245				
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	3428		3428			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8845	8845				
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1L-4.75, N50	TON	541	541				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	52	52				
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	130	130				
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	222	50	172			
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	1285	1285				
42001300	PROTECTIVE COAT	SQ YD	129	129				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	69	69				

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% ST 0004 ROADWAY	80% FED 20% KCFPD 0028 PATH			
42400800	DETECTABLE WARNINGS	SQ FT	20	20				
44000100	PAVEMENT REMOVAL	SQ YD	2093	2093				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	7346	7346				
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	425.9	425.9				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	295.3	295.3				
44002240	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 10"	SQ YD	232	232				
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	200	200				
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	32	32				
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1				
50105220	PIPE CULVERT REMOVAL	FOOT	35	35				
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	13	13				
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	14640	14640				
50800515	BAR SPLICERS	EACH	52	52				
50901720	BICYCLE RAILING	FOOT	27	27				
14	* SPECIALTY ITEMS							

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% ST	80% FED 20% KCFPD				
				0004 ROADWAY	0028 PATH				
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	259	259					
54003000	CONCRETE BOX CULVERTS	CU YD	76.7	76.7					
54213660	PRECAST REINFORCED CONCRETE FLARED END	EACH	4	4					
	SECTIONS 15"								
54213675	PRECAST REINFORCED CONCRETE FLARED END	EACH	1	1					
	SECTIONS 30"								
54213687	PRECAST REINFORCED CONCRETE FLARED END	EACH	1	1					
	SECTIONS 42"								
54214731	PRECAST REINFORCED CONCRETE FLARED END	EACH	1	1					
	SECTIONS - ELLIPTICAL, EQUIVALENT								
	ROUND-SIZE 36"								
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	34.2	34.2					
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	96.8	96.8					
550A0130	STORM SEWERS, CLASS A, TYPE 1 27"	FOOT	34.55	34.55					
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	97.6	97.6					
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	148.52	148.52					
550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	97.1	97.1					
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	291.5	291.5					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% ST	80% FED 20% KCFPD				
				0004 ROADWAY	0028 PATH				
550A0420	STORM SEWERS, CLASS A, TYPE 2 27"	FOOT	188.9	188.9					
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	171.3	171.3					
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	123.77	123.77					
550A1020	STORM SEWERS, CLASS A, TYPE 4 27"	FOOT	57.98	57.98					
550A5300	STORM SEWERS, CLASS A, TYPE 2	FOOT	288.8	288.8					
	EQUIVALENT ROUND-SIZE 36"								
58700300	CONCRETE SEALER	SQ FT	329	329					
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	4.2	4.2					
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	3	3					
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	2150	2150					
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1400	1400					
60200805	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE	EACH	7	7					
	8 GRATE								
60204505	CATCH BASINS, TYPE A, 5' -DIAMETER, TYPE	EACH	3	3					
	8 GRATE								
60219000	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 8	EACH	1	1					
	GRATE								
13	* SPECIALTY ITEMS								

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% ST 0004 ROADWAY	80% FED 20% KCFPD 0028 PATH			
6022230	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 23	EACH	1	1				
	FRAME AND GRATE							
60224005	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 8	EACH	1	1				
	GRATE							
60224071	MANHOLES, TYPE A, 6' -DIAMETER, WITH	EACH	4	4				
	MEDIAN INLET (604106)							
60605000	COMBINATION CONCRETE CURB AND GUTTER,	FOOT	363	363				
	TYPE B-6.24							
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6	FOOT	287.5	287.5				
	FOOT POSTS							
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	4	4				
	(SPECIAL) TANGENT							
63200310	GUARDRAIL REMOVAL	FOOT	339	339				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	2790	2790				
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12				
67100100	MOBILIZATION	LSUM	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4206	4206				

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% ST 0004 ROADWAY	80% FED 20% KCFPD 0028 PATH			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1064	1064				
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	78	78				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	11290	11290				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	366	366				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	140	140				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	38	38				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	16904	16904				
70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	212	212				
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	18	18				
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1730	1730				
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1730	1730				
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	16	16				
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	16	16				
* 72000100	SIGN PANEL - TYPE 1	SQ FT	125.4	125.4				
	* SPECIALTY ITEMS							

FILE NAME : p:\NLD\B4EB\DWG\EG\Illinois\p\DOT\Documents\NDOT	USER NAME : Btlgramite Offices\District 1\Projects\P144609\CADD\Design\Btlgramite	DESIGNED - Btlgramite	REVISED - REVISED -
PLOT SCALE = 1000000' = 1in.		CHECKED - REVISED -	REVISED - REVISED -
PLOT DATE : 5/10/2018		DATE -	REVISED -

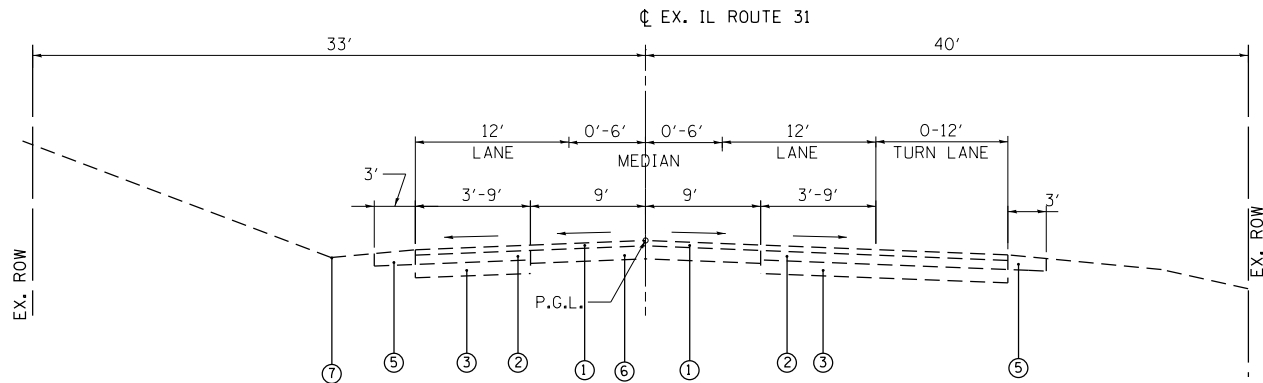
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES				F.A.U. RTE. 3887		SECTION S-N-1		COUNTY KANE	TOTAL SHEETS 76	SHEET NO. 6
SCALE:		SHEET NO. OF SHEETS		STA.		TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CONTRACT NO. 60P66						

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% ST	80% FED 20% KCFPD				
				0004 ROADWAY	0028 PATH				
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	10	10					
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	4	4					
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	249	249					
78000100	THERMOPLASTIC PAVEMENT MARKING -	SO FT	78	78					
	LETTERS AND SYMBOLS								
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	11290	11290					
	4"								
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	366	366					
	6"								
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	140	140					
	12"								
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	38	38					
	24"								
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	112	112					
78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	112	112					
	REMOVAL								
A2001714	TREE, ACER SACCHARUM (SUGAR MAPLE),	EACH	10	10					
	1-3/4" CALIPER, BALLED AND BURLAPPED								

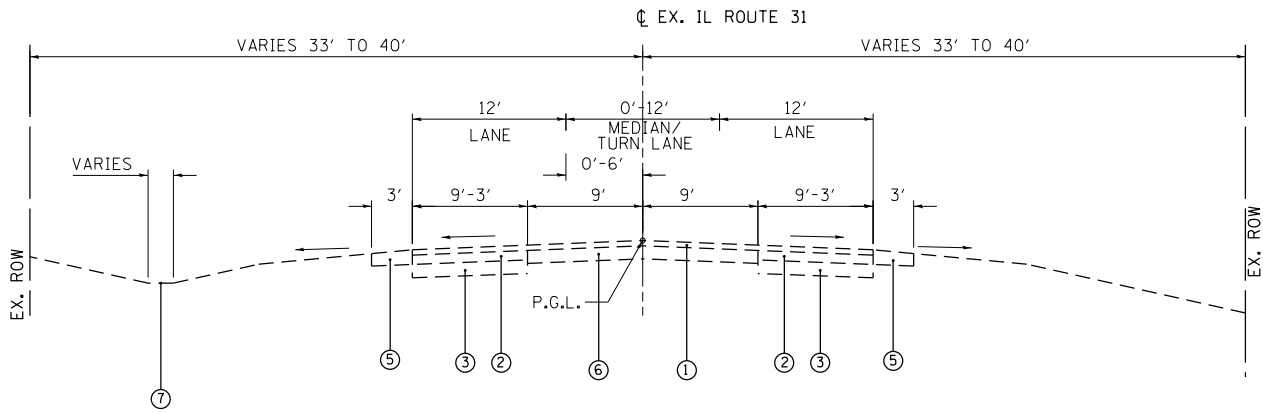
SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% ST	80% FED 20% KCFPD				
				0004 ROADWAY	0028 PATH				
* A2002614	TREE, CARYA CORDIFORMIS (BITTERNUT HICKORY), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	15	15					
* A2002914	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	5	5					
* A2005020	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	13	13					
* A2005114	TREE, JUGLANS NIGRA (BLACK WALNUT), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	13	13					
* A2005670	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM). 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	21	21					
* A2006313	TREE, PRUNUS SEROTINA (BLACK CHERRY), 1-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	3					
* A2006414	TREE, QUERCUS ALBA (WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	8	8					
* A2008818	TREE, ULMUS AMERICANA VALLEY FORGE (VALLEY FORGE AMERICAN ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	6	6					
	* SPECIALTY ITEMS								

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE																			
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% ST 0004 ROADWAY	80% FED 20% KCFPD 0028 PATH					CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% ST 0004 ROADWAY	80% FED 20% KCFPD 0028 PATH																		
* B2000900	TREE, AMELANCHIER ARBOREA (DOWNY SERVICEBERRY), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	6	6						* C2C11616	SHRUB, VIBURNUM ACERIFOLIUM (MAPLE-LEAVED VIBURNUM), 2' HEIGHT, CONTAINER	EACH	57	57																			
* B2001864	TREE, CRATAEGUS MOLLIS (DOWNY HAWTHORN), 5' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	31	31						* K0013000	PERENNIAL PLANTS, PRAIRIE TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	13	13																			
* B2003850	TREE, MALUS IOENSIS (IOWA CRABAPPLE), 5' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	5	5						* K0029614	WEED CONTROL, AQUATIC	GALLON	1	1																			
* C2000424	SHRUB, ARONIA ARBUTIFOLIA BRILLIANT ISSIMA (BRILLANT RED CHOKEBERRY), 2' HEIGHT, BALLED AND BURLAPPED	EACH	239	239						* K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	3	3																			
* C2004240	SHRUB, LINDEN BENZOIN (SPICEBUSH), 2' HEIGHT, CONTAINER	EACH	79	79						* K1005465	SELECTIVE MOWING STAKES	EACH	7	7																			
* C2008924	SHRUB, ROSA SETIGERA (PRAIRIE ROSE), 24" HEIGHT, BALLED AND BURLAPPED	EACH	54	54						X0322992	COARSE SAND PLACEMENT, 4"	SO YD	149	149																			
* C2012748	SHRUB, VIBURNUM PRUNIFOLIUM (BLACKHAW VIBURNUM), 4' HEIGHT, BALLED AND BURLAPPED	EACH	12	12						* X0324854	WEED CONTROL, NATIVE GRASS RESTORATION	GALLON	2.5	2.5																			
* C2C01524	SHRUB, CORNUS RACEMOSA (GREY DOGWOOD), 2' HEIGHT, CONTAINER	EACH	36	36						X0327726	MEMBRANE WATERPROOFING FOR CULVERTS	SO YD	101	101																			
* C2C05225	SHRUB, PRUNUS VIRGINIANA (COMMON CHOKE CHERRY), 3' HEIGHT, CONTAINER	EACH	7	7						X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SO FT	2920	2920																			
										X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	2857	2857																			
										* X2501820	SEEDING, CLASS 5 (MODIFIED)	ACRE	2.4	2.4																			
										* X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	2.4	2.4																			
										* X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	0.2	0.2																			
										13	* SPECIALTY ITEMS																						
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PLOT SCALE = 100,000' / 1" = 5/10/2018				CHECKED -				DATE -				REVISED -				SCALE:				SHEET NO. OF SHEETS STA. TO STA.				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 60P66					

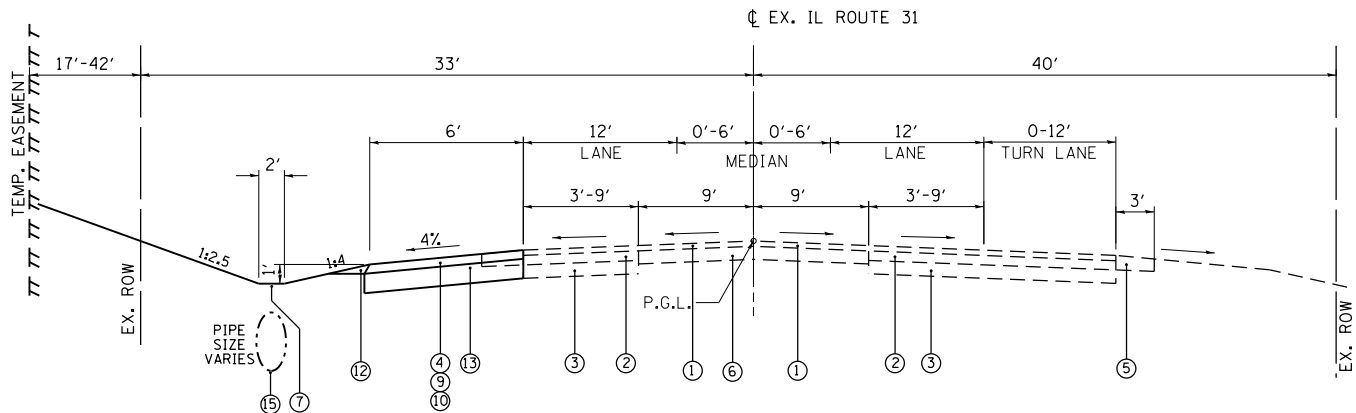
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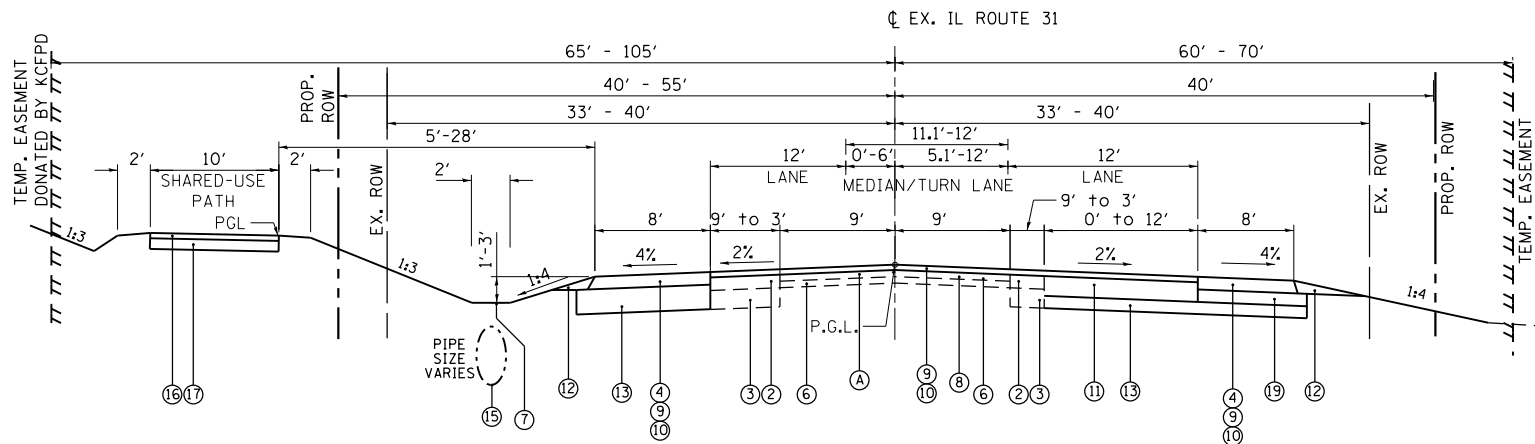
IL 31 (WESTERN AVENUE)
EXISTING TYPICAL SECTION
STA. 481+80.00 TO 485+83.50



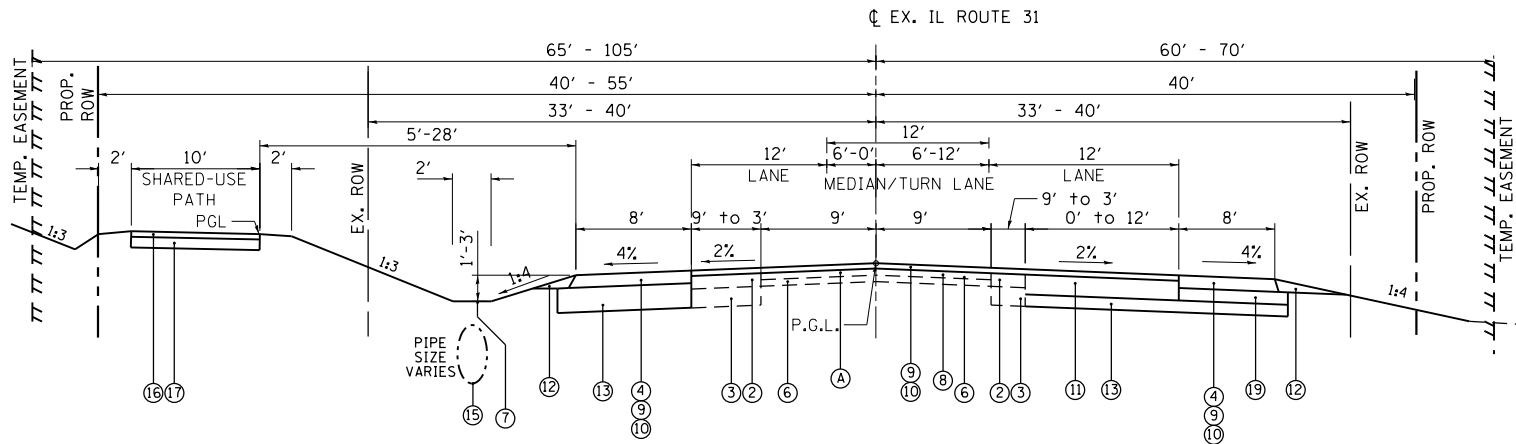
IL 31 (WESTERN AVENUE)
EXISTING TYPICAL SECTION
STA. 485+83.50 TO 502+06.24



IL 31 (WESTERN AVENUE)
PROPOSED TYPICAL SECTION
STA. 481+80.00 TO 485+83.50



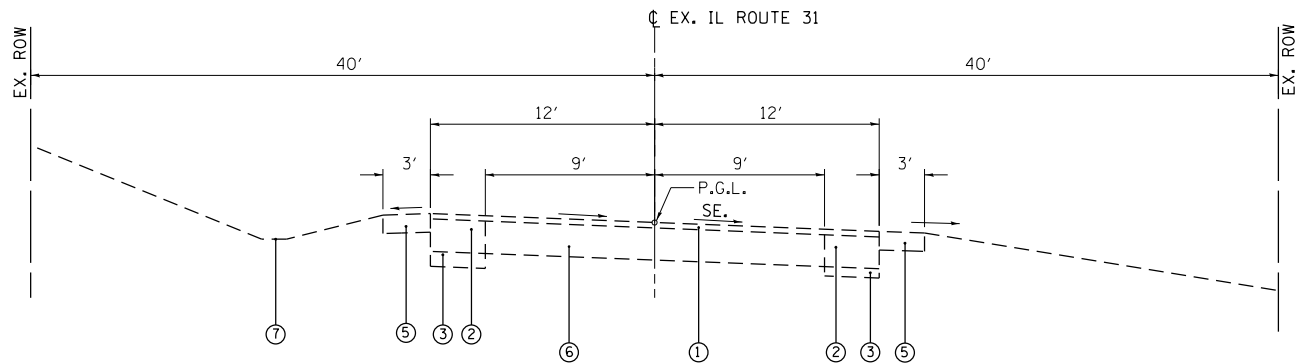
IL 31 (WESTERN AVENUE)
PROPOSED TYPICAL SECTION
STA. 485+83.50 TO 489+75.00



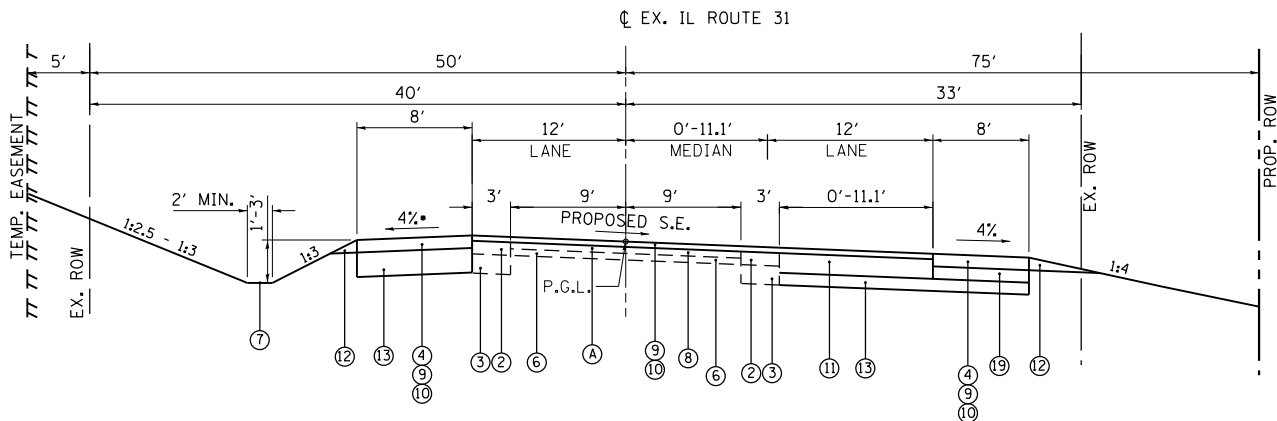
IL 31 (WESTERN AVENUE)
PROPOSED TYPICAL SECTION
STA. 489+75.00 TO 496+45
STA. 496+95 TO 502+06.24
FOR STA 496+45 TO 496+95, SEE PROPOSED CULVERT TYPICAL SECTION ON NEXT SHEET

- LEGEND**
- Ⓐ EXISTING HMA SURFACE & BINDER COURSE - 8" (±)
 - Ⓛ EXISTING HMA SURFACE & BINDER COURSE - 10" (±)
 - Ⓐ EXISTING HMA WIDENING - 8" (±)
 - ③ GRANULAR SUBBASE
 - ④ HMA BASE COURSE, 5 1/2"
 - ⑤ EXISTING AGGREGATE SHOULDER
 - ⑥ PCC PAVEMENT
 - ⑦ SWALE / DITCH
 - ⑧ HMA SURFACE REMOVAL, 2 1/2"
 - ⑨ POLYMERIZED HMA SURFACE COURSE MIX "E", N70 - 1 3/4"
 - ⑩ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 - ⑪ HMA BASE COURSE, 8 1/4" OR HMA BASE COURSE WIDENING, 8 1/4"
 - ⑫ AGGREGATE SHOULDER, TYPE B
 - ⑬ AGGREGATE SUBGRADE IMPROVEMENT 12"
 - ⑭ CURB & GUTTER TYPE B6.24
 - ⑮ PROPOSED STORM SEWER
 - ⑯ HMA SURFACE COURSE, MIX "D", N50 - 2"
 - ⑰ AGGREGATE BASE COURSE, TYPE B - 6"
 - ⑱ HMA BASE COURSE, 10"
 - ⑲ SUBBASE GRANULAR MATERIAL, TYPE C (2 3/4" & VARIES)
 - ⑳ SUBBASE GRANULAR MATERIAL, TYPE B (THICKNESS VARIES)

FILE NAME = p:\1\IL084EBID\INTEG\Illinois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\PI44609\Design\SB44609-shr-typical.dgn	USER NAME = Bilgramiso	DESIGNED - SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTIONS IL ROUTE 31 AT MILLER RD.			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED -					3887	S-N-1	KANE	76	10
		PLOT SCALE = 100.0000' / in.	REVIS					CONTRACT NO. 60P66				
		PLOT DATE = 5/10/2018	DATE -		SCALE:	SHEET	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



IL 31 (WESTERN AVENUE)
EXISTING TYPICAL SECTION
STA. 502+06.24 TO 506+50



IL 31 (WESTERN AVENUE)
PROPOSED TYPICAL SECTION
STA. 502+06.24 TO 506+50

LEGEND

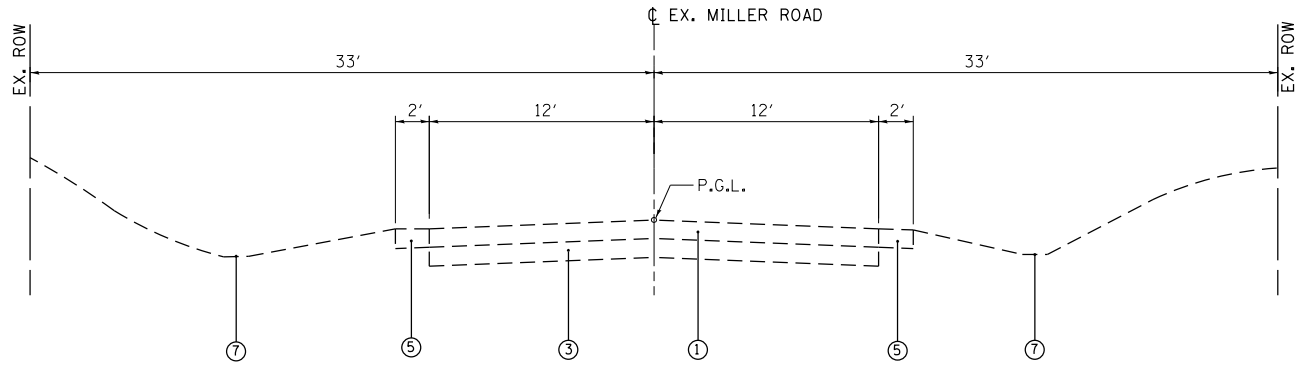
- ① EXISTING HMA SURFACE & BINDER COURSE - 8" (±)
- ② EXISTING HMA SURFACE & BINDER COURSE - 10" (±)
- ③ EXISTING HMA WIDENING - 8" (±)
- ④ GRANULAR SUBBASE
- ⑤ HMA BASE COURSE, 5 1/2"
- ⑥ EXISTING AGGREGATE SHOULDER
- ⑦ PCC PAVEMENT
- ⑧ SWALE / DITCH
- ⑨ HMA SURFACE REMOVAL, 2 1/2"
- ⑩ POLYMERIZED HMA SURFACE COURSE MIX "E", N70 - 1 3/4"
- ⑪ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- ⑫ HMA BASE COURSE, 8 1/4" OR HMA BASE COURSE WIDENING, 8 1/4"
- ⑬ AGGREGATE SHOULDER, TYPE B
- ⑭ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑮ CURB & GUTTER TYPE B6.24
- ⑯ PROPOSED STORM SEWER
- ⑰ HMA SURFACE COURSE, MIX "D", N50 - 2"
- ⑱ AGGREGATE BASE COURSE, TYPE B - 6"
- ⑲ HMA BASE COURSE, 10"
- ⑳ SUBBASE GRANULAR MATERIAL, TYPE C (2 3/4" & VARIES)
- ㉑ SUBBASE GRANULAR MATERIAL, TYPE B (THICKNESS VARIES)

SUPERELEVATION SCHEDULE

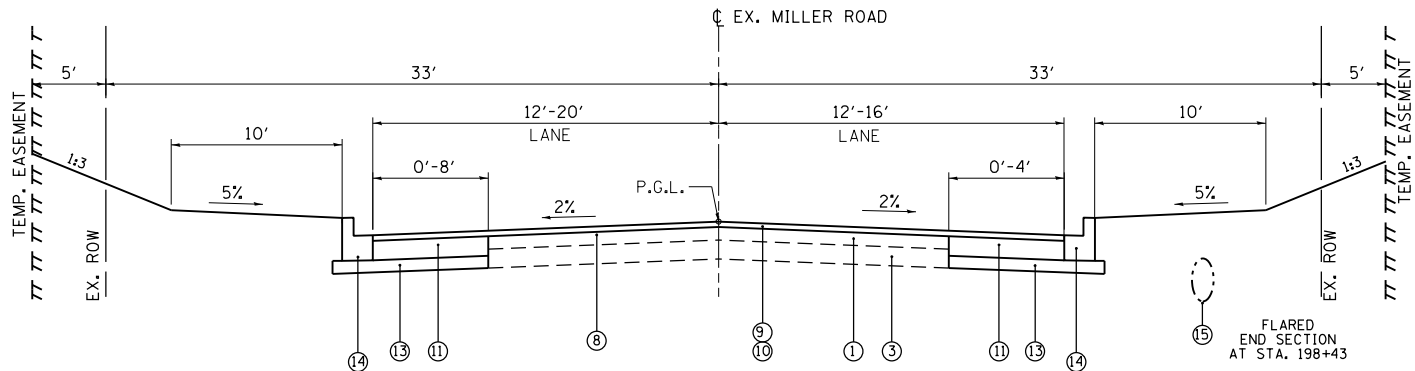
SLOPE	BEGIN STATION	END STATION
NORMAL CROWN	500+00.00	502+06.24
-VARIABLE SE	502+06.24	504+13.24
-6% SE	504+13.24	506+00.00
-VARIABLE SE	506+00.00	506+50.00

• MATCH THE EXISTING SE AT STA. 506+50.00

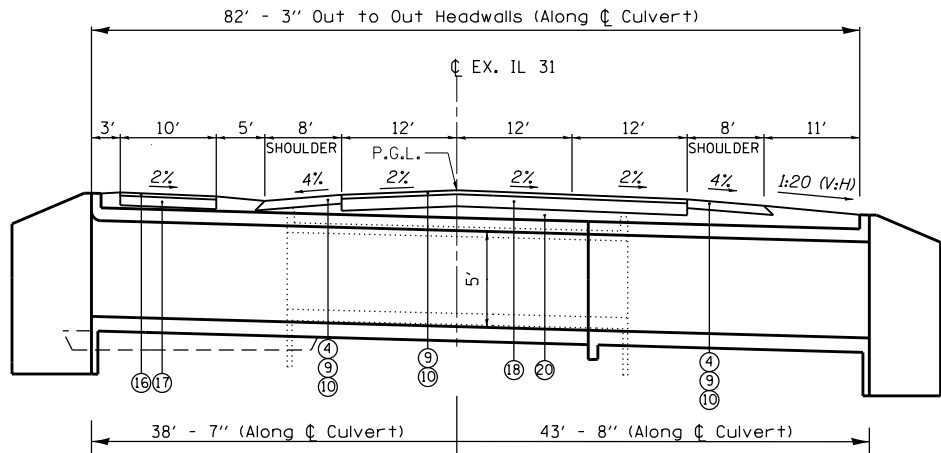
• WHEN THE SUPERELEVATION RATE OF THE PAVEMENT IS BETWEEN 0% AND 4%, THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SUPERELEVATION RATE OF THE PAVEMENT EXCEEDS 4%, THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER WILL NOT BE GREATER THAN 8%



MILLER ROAD
EXISTING TYPICAL SECTION
STA. 193+92.72 TO 200+00



MILLER ROAD
PROPOSED TYPICAL SECTION
STA. 198+35 TO 200+00



IL 31 (WESTERN AVENUE)
PROPOSED CULVERT TYPICAL SECTION
STA 496+45 TO 496+95
SEE PROPOSED CULVERT PLAN SHEETS FOR MORE DETAILS

FILE NAME =	USER NAME = Bilgramis	DESIGNED - SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTIONS IL ROUTE 31 AT MILLER RD.		F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\IL084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\PI44609\Design\SB44609-shr-typical.dgn		CHECKED -	REVISED -				3887	S-N-1	KANE	76	11
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA.	TO STA.	CONTRACT NO. 60P66		
	PLOT DATE = 5/10/2018								ILLINOIS	FED. AID PROJECT	

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOID @ N _{DES}	QUALITY MANAGEMENT PROGRAM (QMP)
RESURFACING		
POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5 mm); 1 3/4"	4% @ 70 GYR	QCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4"	3.5% @ 50 GYR	QC/QA
PAVEMENT WIDENING & RECONSTRUCTION		
POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5 mm); 1 3/4"	4% @ 70 GYR	QCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4"	3.5% @ 50 GYR	QC/QA
HMA BASE COURSE; 8 1/4" (HMA BINDER IL - 19.0)	4% @ 90 GYR	QC/QA
HMA BASE COURSE WIDENING; 8 1/4" (HMA BINDER IL - 19.0)	4% @ 90 GYR	QC/QA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (IL 9.5 mm); 2"	4% @ 50 GYR	QC/QA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm); PE 6"; CE - 8"	4% @ 50 GYR	QC/QA
SHOULDERS		
POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5 mm); 1 3/4"	4% @ 70 GYR	QCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4"	3.5% @ 50 GYR	QC/QA
HOT-MIX ASPHALT BASE COURSE, 5 1/2" (HMA BINDER IL - 19.0)	4% @ 70 GYR	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR	QC/QA
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR	QC/QA
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 10"	4% @ 50 GYR	QC/QA
SHARED USE PATH		
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (IL 9.5 mm); 2"	4% @ 50 GYR	QC/QA
CULVERT REPLACEMENT		
POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5 mm); 1 3/4"	4% @ 70 GYR	QCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4"	3.5% @ 50 GYR	QC/QA
HMA BASE COURSE, 10" (HMA BINDER IL - 19.0)	4% @ 90 GYR	QC/QA
QMP Designation: Quality Control/ Quality Assurance (QC/QA); Quality Control for Performance (QCP); Pay for Performance (PPF)		

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/ SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED MIXTURES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISION.

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

CONTRACTOR SHALL PATCH BEFORE MILLING

PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS. PCC PAVEMENT SHALL BE 8" THICK. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

ALL TEMPORARY PAVEMENT SHALL BE PROVIDED OVER 4" SUBGRADE GRANULAR MATERIAL.

IL 31 AT MILLER ROAD			
TREE REMOVAL (6 TO 15 UNITS DIAMETER)			
STATION	OFFSET (FT)		UNITS
481+86.9	26.07	LT	6
481+97.8	21.32	LT	7.5
482+01.9	24.32	LT	14
482+05.4	26.66	LT	9.5
482+13.6	24.76	LT	7
482+28.0	40.01	LT	6
482+28.2	26.46	LT	MS (≤ 15 Units)
482+29.9	44.43	LT	7
482+30.3	33.77	LT	6
482+38.9	38.58	LT	7.5
482+45.8	37.73	LT	8.5
482+58.3	40.37	LT	9
482+68.2	48.1	LT	8
482+69.9	37.36	LT	MS (≤ 15 Units)
482+77.8	42.15	LT	5.5
482+87.2	36.68	LT	5
483+07.2	32.21	LT	MS MS (≤ 15 Units)
483+12.0	45.77	LT	6
483+16.1	39.27	LT	6.5
483+16.2	27.2	LT	6
483+24.3	39.22	LT	6.5
483+30.2	45.87	LT	9
483+33.9	52.4	LT	7.5
483+34.8	39.91	LT	10
483+35.6	32.36	LT	6
483+45.4	38.46	LT	10.5
483+50.6	44.06	LT	8.5
483+52.0	56.01	LT	12
483+53.7	49.8	LT	9
483+57.1	34.16	LT	7
483+61.5	50.1	LT	9
483+69.0	55.71	LT	7.5
483+72.8	48.95	LT	MS (≤ 15 Units)
483+78.1	53.54	LT	5
483+82.6	57.08	LT	7.5
483+83.3	48.26	LT	7.5
483+91.3	41.22	LT	9.5
483+97.4	38.26	LT	13
484+06.3	38.12	LT	6
484+09.5	43.87	LT	6.5
484+13.4	54.6	LT	6
484+18.5	50.25	LT	8
484+23.8	59.04	LT	8
484+31.5	54.4	LT	9
484+39.9	59.44	LT	6.5
484+46.9	51.16	LT	10
484+52.2	42.95	LT	10
484+53.6	32.33	LT	10
484+57.9	47.76	LT	11
484+60.2	33.39	LT	7
484+60.3	70.15	LT	7
484+63.8	75.41	LT	12
484+64.5	66.57	LT	10.5
484+70.6	68.88	LT	7.5
484+72.0	36.01	LT	6
484+72.3	75.3	LT	6
484+74.5	43.89	LT	MS (≤ 15 Units)
SUBTOTAL (UNITS)			492

IL 31 AT MILLER ROAD (CONT.)			
TREE REMOVAL (6 TO 15 UNITS DIAMETER)			
STATION	OFFSET (FT)		UNITS
484+74.7	50.8	LT	6.5
484+75.9	37.91	LT	13
484+76.3	65.27	LT	8
484+77.3	72.48	LT	8
484+78.1	81.54	LT	6.5
484+81.9	75.89	LT	8
484+82.9	85.34	LT	MS (≤ 15 Units)
484+84.0	44.01	LT	7
484+88.2	57.83	LT	MS (≤ 15 Units)
484+89.5	87.36	LT	6
484+89.5	78.69	LT	8
484+90.5	68.12	LT	9.5
484+90.5	62.16	LT	6
484+92.8	46.86	LT	6
484+93.4	52.15	LT	6
484+94.3	80.36	LT	7
484+95.2	71.71	LT	11
484+95.7	39.65	LT	8
484+96.0	28.74	LT	14.5
484+97.0	62.7	LT	7
484+97.4	51.66	LT	6
484+97.5	68.2	LT	7
484+98.9	37.03	LT	12.5
484+99.6	31.32	LT	6
485+02.1	74.33	LT	14
485+02.5	45.64	LT	6
485+02.5	53.9	LT	6
485+05.6	31.69	LT	6.5
485+09.2	40.8	LT	8.5
485+14.4	72.25	LT	11
485+14.9	41.89	LT	10
485+16.7	63.51	LT	9
485+34.2	59.4	LT	9
485+41.8	66.8	LT	10
485+42.2	55.09	LT	12
485+68.0	40.01	LT	6
485+74.9	38.75	LT	7.5
485+82.9	66.53	LT	14.5
485+96.1	68.32	LT	7.5
486+09.8	57	LT	14
486+16.5	81.63	LT	13.5
486+21.9	65.88	LT	6
486+24.3	50.48	LT	6
486+30.1	99.11	LT	7.5
486+40.9	87.87	LT	10.5
486+46.1	99.81	LT	8.5
486+66.2	94.59	LT	7
486+69.0	64.78	LT	8
486+81.2	75.58	LT	8
486+81.7	65.16	LT	7.5
486+84.0	44.01	LT	10
487+06.7	55.08	LT	7.5
487+17.0	73.19	LT	6
487+30.1	67.54	LT	6
487+38.5	42.01	LT	6.5
487+47.7	49.09	LT	8
487+57.7	48.76	LT	9
487+64.6	62.18	LT	14.5
487+65.2	44.65	LT	7.5
487+92.0	44.01	LT	MS (5,6)
SUBTOTAL (UNITS)			528.5

IL 31 AT MILLER ROAD (CONT.)			
TREE REMOVAL (6 TO 15 UNITS DIAMETER)			
STATION	OFFSET (FT)		UNITS
488+12.7	69.46	LT	7
488+13.2	52.88	LT	6.5
488+25.6	64.74	LT	11.5
488+29.9	52.08	LT	6
488+40.4	57.88	LT	14
488+41.6	83.75	LT	6
488+48.7	51.87	LT	9
488+52.0	40.01	LT	8
488+58.5	67.91	LT	7
488+76.3	68.91	LT	13
488+80.0	44.01	LT	6
488+89.3	52.68	LT	6
488+96.0	44.01	LT	6
489+04.6	65.33	LT	10.5
489+05.4	45.42	LT	6.5
489+37.5	58.5	LT	12
489+48.8	53.3	LT	7
489+60.0	32.01	LT	9
489+71.0	48.97	LT	6
490+14.6	28.93	LT	6
490+26.0	63.26	LT	6
490+28.5	27.74	LT	10
490+33.3	28.23	LT	7
490+51.5	26.33	LT	6
490+54.1	25.35	LT	6
490+61.6	24.51	LT	8
490+76.3	67.09	LT	7.5
490+87.1	25.74	LT	12
490+88.0	36.01	LT	11
491+00.0	32.01	LT	6.5
491+00.0	40.01	LT	8
491+08.0	32.01	LT	8
491+12.0	23.19	LT	12
491+15.5	77.88	LT	7
491+19.3	22.33	LT	6
491+25.5	24.78	LT	9
491+28.5	26.31	LT	9
491+36.9	25.2	LT	12
491+42.4	77.87	LT	7.5
491+83.8	23.42	LT	12
491+98.4	24.31	LT	10
492+11.2	22.89	LT	15
492+12.2	31.05	LT	MS (5,5)
492+44.7	62.83	LT	9.5
492+48.0	28.01	LT	13
492+81.9	60.87	LT	7.5
493+20.0	36.01	LT	10
493+23.7	25.66	LT	6
493+36.1	25.91	LT	10
493+38.7	22.97	LT	6
493+44.0	28.01	LT	9
493+47.6	26.35	LT	12
493+47.9	81.04	LT	7
493+62.9	25.7	LT	12
493+78.2	25.79	LT	10
493+79.4	70	LT	14
493+96.0	48.01	LT	12
494+12.0	56.01	LT	10
494+15.8	25.49	LT	14
494+44.0	40.01	LT	15
SUBTOTAL (UNITS)			545.5

CONTINUED ON NEXT SHEET

FILE NAME = p:\IL\084EBID\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI44609\DOT\Design\PI44609-shr-schedule.dgn	USER NAME = Bilgramis	DESIGNED - SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 AT MILLER RD. TREE REMOVAL SCHEDULE				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -						3887	S-N-I	KANE	76	14
	PLOT DATE = 5/10/2018	DATE -	REVISED -						CONTRACT NO. 60P66				
	Default								ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

IL 31 AT MILLER ROAD (CONT.)			
TREE REMOVAL (6 TO 15 UNITS DIAMETER)			
STATION	OFFSET (FT)		UNITS
494+49.6	47.06	LT	12
494+60.0	38.01	LT	7
494+68.0	42.01	LT	11
494+80.0	34.01	LT	9
494+80.2	44.4	LT	14
494+84.9	23.87	LT	6
494+92.0	28.01	LT	13
495+00.0	36.01	LT	9
495+06.2	22.66	LT	14
495+08.6	23.01	LT	12
495+14.1	28.65	LT	15
495+38.7	30.61	LT	7
495+44.8	32.71	LT	MS (≤ 15 Units)
495+49.8	34.73	LT	8
495+52.4	21.89	LT	15
495+84.2	27.52	LT	8
496+02.0	27.57	LT	7.5
496+11.8	30.11	LT	12
496+18.4	62.76	LT	7.5
496+70.0	35.5	LT	Ground (1 Unit)
497+04.0	44.01	LT	6
497+46.4	44.04	LT	BUSH (1 Unit)
499+82.9	105.99	LT	8
500+34.6	94.7	LT	7.5
500+34.6	94.7	LT	12
500+35.0	119.92	LT	12
500+35.9	40.24	LT	10
500+36.1	85.03	LT	8
500+36.4	89.01	LT	8
500+43.5	52.72	LT	6.5
500+43.8	35.86	LT	12
500+45.0	35.52	LT	9
500+48.2	46.96	LT	7.5
500+74.0	34.98	LT	14
502+91.8	33.26	LT	12
503+00.4	33.49	LT	15
503+40.0	32.01	LT	9
SUBTOTAL (UNITS)			360.5
TOTAL (UNITS)			1926.5

NOTE FOR QUANTITY CALCULATION:
FOR TREE REMOVAL (6 TO 15 UNITS DIAMETER) - MS = 15 UNITS
FOR TREE REMOVAL (OVER 15 UNITS DIAMETER) - MS = 16 UNITS

MS = MULTI-STEMMED TREE

NOTE: TREES ON PRIVATE PROPERTY SHALL NOT BE REMOVED.

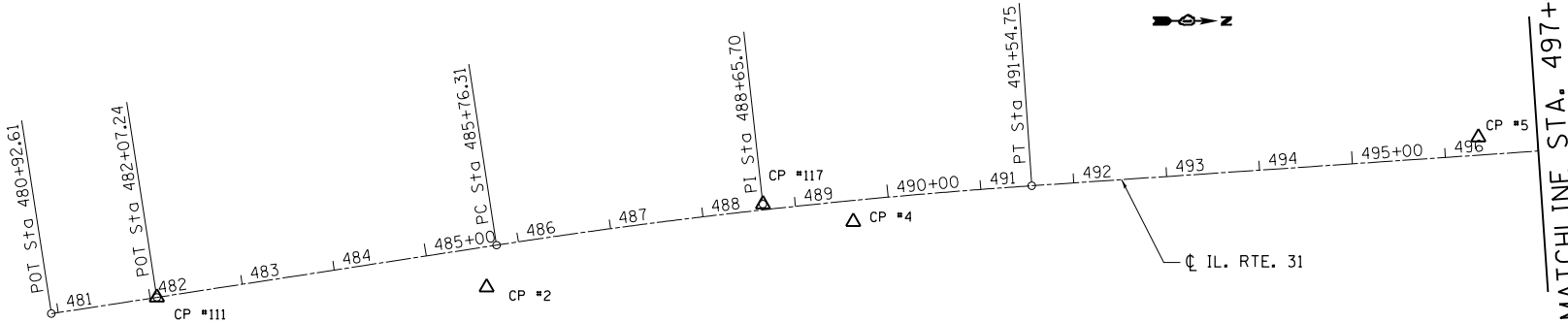
IL 31 AT MILLER ROAD			
TREE REMOVAL (OVER 15 UNITS DIAMETER)			
STATION	OFFSET (FT)		UNITS
481+88.0	44.01	LT	MS (8,8,8,8)
482+17.7	24.48	LT	MS (10,8.5)
482+23.0	32.83	LT	MS
482+44.0	44.01	LT	MS (8,8)
482+99.1	35.71	LT	MS
483+00.0	44.01	LT	MS (17,17)
483+67.8	33.36	LT	MS
483+90.9	47.79	LT	MS
483+99.1	29.24	LT	MS
484+31.6	34.43	LT	MS
484+37.8	50.32	LT	MS
484+49.6	69.52	LT	MS
484+68.0	45.08	LT	MS
484+68.8	55.98	LT	17
485+00.7	71.74	LT	MS
485+24.7	71.96	LT	MS
485+26.4	55.56	LT	23
485+50.4	60.59	LT	18
485+58.9	91.66	LT	MS
485+69.8	96.26	LT	19
485+73.3	60.5	LT	15.5
486+06.8	93.15	LT	19.5
486+11.1	42.81	LT	18
486+41.9	74.56	LT	16
486+56.0	48.01	LT	38
486+83.7	33.1	LT	24
487+01.1	40.55	LT	28
487+16.0	44.01	LT	22
487+74.5	41.04	LT	16.5
487+84.0	44.01	LT	18
489+16.0	36.01	LT	35
489+28.6	48.67	LT	32
491+68.0	36.01	LT	20
492+64.0	28.01	LT	MS (12,12)
493+00.5	26.18	LT	18
493+67.4	24.63	LT	MS (10,10)
493+93.4	26.47	LT	16
494+36.0	44.01	LT	MS (15,15)
494+57.0	28.01	LT	16
495+12.0	32.01	LT	MS (12,12)
495+56.9	35.84	LT	MS
495+73.6	86.51	LT	18
496+01.2	33.34	LT	18
496+17.8	31.19	LT	MS (12,12)
496+37.8	66.93	LT	23
500+35.5	72.12	LT	16
500+79.8	35.31	LT	18
501+69.1	40.01	LT	MS (8,8)
501+83.7	36.69	LT	42
502+25.5	36.37	LT	18
502+56.1	37.25	LT	16
503+10.3	36.44	LT	42
503+22.4	33.08	LT	16
TOTAL UNITS			1103

TREES TO BE PROTECTED (All offsets from IL 31)			
STATION	OFFSET		UNITS
481+81.0	23.82	LT	10
481+82.2	55.81	LT	6
482+32.0	49.54	LT	MS
482+58.4	48.28	LT	MS
483+26.8	56.11	LT	MS
483+87.7	54.19	LT	8
483+97.9	52.6	LT	MS
484+00.9	58.71	LT	6
486+55.2	99.57	LT	7
489+48.5	79.36	LT	7.5
490+14.6	28.93	LT	6
490+28.2	85.06	LT	8.5
490+59.5	84.93	LT	6.5
490+86.2	85.51	LT	7.5
491+07.1	80.63	LT	9.5
492+12.5	92.19	LT	8
493+60.9	93.71	LT	7
493+70.8	86.55	LT	6
493+83.6	86.58	LT	6
494+00.6	86.29	LT	6.5
494+70.6	85.18	LT	9.5
495+11.4	94.24	LT	6
495+97.0	95.85	LT	10
496+33.0	95.36	LT	15
496+54.5	94.86	LT	17
499+74.1	121.44	LT	14
499+74.7	142.74	LT	12
499+83.7	119.32	LT	8
499+86.5	141.57	LT	10
500+38.3	108.92	LT	10
500+42.5	84.27	LT	6.5
504+82.5	34.99	LT	30
504+95.8	36.99	LT	24
505+16.2	38.04	LT	20, 20

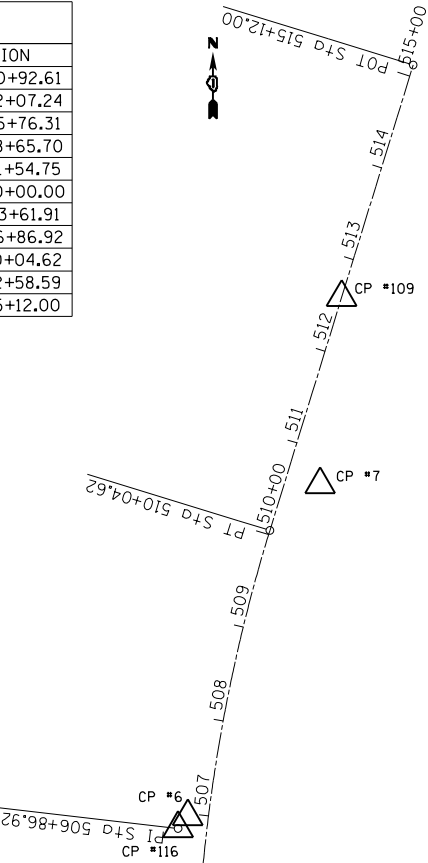
ROAD	EXISTING SIGNS		PROPOSED SIGNS		SIGN DESCRIPTION	MUTCD CODE	HEIGHT	WIDTH	AREA	PANEL TYPE	PROPOSED ACTION	REMOVE SIGN	REMOVE SIGN	TELESCOPING	SIGN PANEL
	STATION	OFFSET	STATION	OFFSET								PANEL ASSY TYP A	PANEL ASSY TYP B	STEEL SIGN SUP.	TYPE 1
												72400100	72400200	72800100	72000100
						FT	FT	SQFT			EACH	EACH	FT	SQFT	
IL RTE. 31	483+75	LT			SIDE ROAD	W2-2L	3.00	3.00	9.00	1	REMOVE & PLACE NEW SIGN		1	17	9.0
					STREET NAME PLAQUE "Gentle Breeze Terrace"	W16-8	1.25	1.50	1.88	1	REMOVE & PLACE NEW SIGN				1.9
COMM. DRWY. ENT.	489+45	RT			STOP SIGN	R1-1	2.50	2.50	6.25	1	REMOVE & PLACE NEW SIGN	1		15	6.3
COMM. DRWY. ENT.	489+55	RT			DO NOT ENTER	R5-1	2.50	2.50	6.25	1	REMOVE & PLACE NEW SIGN		1	17	6.3
					RIGHT ONLY	R3-5R	3.00	2.50	7.50	1	REMOVE & PLACE NEW SIGN				7.5
IL RTE. 31	490+10	LT			NO LEFT TURN	R3-2	2.00	2.00	4.00	1	REMOVE & PLACE NEW SIGN	1		15	4.0
IL RTE. 31	491+90	LT			SPEED LIMIT 50	R2-1	3.00	2.50	7.50	1	REMOVE & PLACE NEW SIGN	1		15	7.5
IL RTE. 31	492+30	RT			SPEED LIMIT 50	R2-1	3.00	2.50	7.50	1	REMOVE & PLACE NEW SIGN	1		15	7.5
IL RTE. 31	494+75	RT			SIDE ROAD	W2-2L	3.00	3.00	9.00		REMOVE & PLACE NEW SIGN		1	17	9.0
					ADVANCED STREET NAME PLAQUE "Miller Rd."	W16-8	0.75	1.50	1.13	1	REMOVE & PLACE NEW SIGN				1.1
IL RTE. 31	502+60	RT			Curve Ahead Sign	W1-2R	3.00	3.00	9.00	1	REMOVE & PLACE NEW SIGN	1		15	9.0
IL RTE. 31	498+30	LT			CARDINAL DIRECTION SOUTH	M3-3	1.00	2.00	2.00	1	REMOVE & PLACE NEW SIGN	1		15	2.0
					ILLINOIS ROUTE 31 (white/black)	M1-I100	2.00	2.00	4.00	1	REMOVE & PLACE NEW SIGN				4.0
IL RTE. 31	500+04	RT			TWO DIRECTIONAL ARROW	W1-7	2.00	4.00	8.00	1	REMOVE & PLACE NEW SIGN	1		14	8.0
IL RTE. 31	501+55	RT			CARDINAL DIRECTION NORTH	M3-1	1.00	2.00	2.00	1	REMOVE & PLACE NEW SIGN	1		15	2.0
					ILLINOIS ROUTE 31 (white/black)	M1-I100	2.00	2.00	4.00	1	REMOVE & PLACE NEW SIGN				4.0
IL RTE. 31	506+30	LT			SIDE ROAD	W2-2R	3.00	3.00	9.00	1	REMOVE & PLACE NEW SIGN		1	17	9.0
					ADVANCED STREET NAME PLAQUE "Miller Rd."	W16-8	0.75	1.50	1.13	1	REMOVE & PLACE NEW SIGN				1.1
MILLER RD.	199+62	RT			STOP SIGN	R1-1	2.50	2.50	6.25	1	REMOVE & PLACE NEW SIGN	1		15	6.3
MILLER RD.	199+28	LT			NO TRUCKS SIGN		3.50	2.00	7.00	1	RELOCATE SIGN	1		17	7.0
IL RTE. 31			489+00	RT	NO LEFT TURN	R3-2	2.00	2.00	4.00	1	NEW SIGN			15	4.0
IL RTE. 31			496+00	RT	LEFT ONLY, THROUGH ONLY LANE SIGN	R3-8	3	3	9	1	NEW SIGN			15	9.0
TOTAL												10	4	249.0	125.4

EXIST. CURVE E_IL31-1
PI STA. = 488+65.70
Δ = 4° 50' 05" (RT)
D = 0° 50' 09"
R = 6,855.06'
T = 289.39'
L = 578.44'
E = 6.11'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 485+76.31
P.T. STA. = 491+54.75

ALIGNMENT COORDINATES IL. RTE. 31				
	POINT	NORTHING	EASTING	STATION
CP #111	POT	1987234.82	993242.42	STA. 480+92.61
	POT	1987348.12	993224.98	STA. 482+07.24
	PC	1987712.89	993168.83	STA. 485+76.31
CURVE E_IL31-1	PI	1987998.92	993124.80	STA. 488+65.70
	PT	1988287.65	993105.03	STA. 491+54.75
	POT	1989130.91	993047.30	STA. 500+00.00
CP #121	PC	1989491.97	993022.58	STA. 503+61.91
	PI	1989816.23	993000.39	STA. 506+86.92
	PT	1990126.84	993096.05	STA. 510+04.62
CP #109	POT	1990369.56	993170.80	STA. 512+58.59
	POT	1990611.75	993245.39	STA. 515+12.00



EXIST. CURVE E_IL31-2
PI STA. = 506+86.92
Δ = 21° 02' 03" (RT)
D = 3° 16' 22"
R = 1,750.68'
T = 325.01'
L = 642.70'
E = 29.91'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 503+61.91
P.T. STA. = 510+04.62



BENCHMARK #1

ELEV. = 762.38
□ -CUT IN NORTH END OF 25' HEADWALL
ON EAST SIDE IL. RTE. 31 ±1800' SOUTH
OF MILLER RD.

BENCHMARK #2

ELEV. = 783.46
□ -CUT IN SOUTH END OF 25' HEADWALL
ON WEST SIDE IL. RTE. 31 ±325' SOUTH
OF MILLER RD.

BENCHMARK #3

ELEV. = 783.99
□ -CUT IN CENTER OF 16' HEADWALL
ON WEST SIDE IL. RTE. 31 ±825' NORTH
OF MILLER RD.

BENCHMARK #4

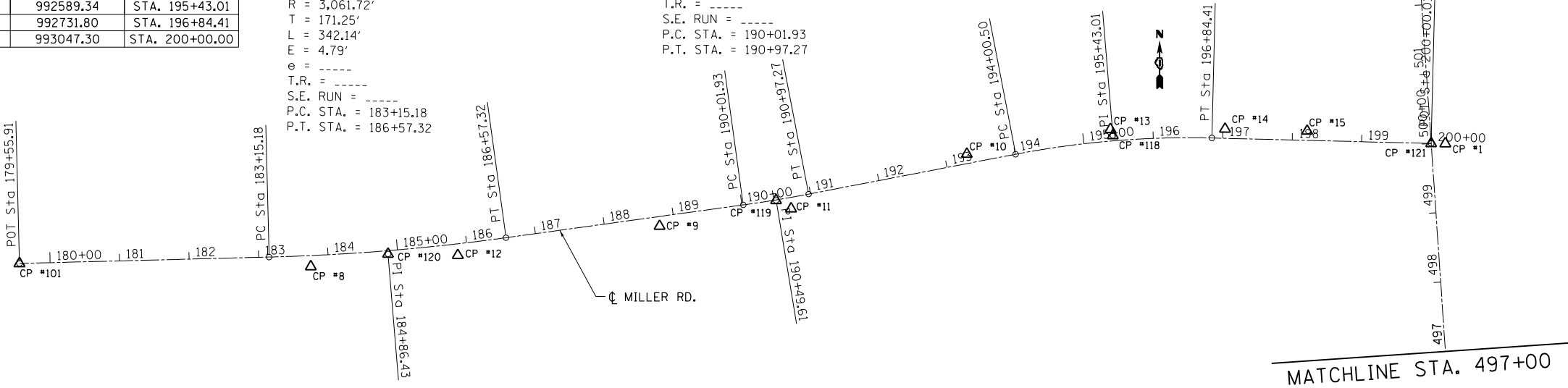
ELEV. = 895.01
□ -CUT IN TOP OF CURB AT FLARE OUT
ON NORTH SIDE OF MILLER RD.
±2000' WEST OF IL. RTE. 31

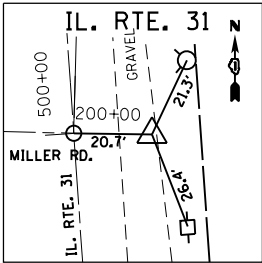
ALIGNMENT COORDINATES MILLER RD.				
	POINT	NORTHING	EASTING	STATION
CP #101	POT	1988958.20	991016.26	STA. 179+55.91
	PC	1988967.43	991375.41	STA. 183+15.18
	PI	1988971.82	991546.61	STA. 184+86.43
CURVE E_MILL-1	PT	1988495.29	991716.24	STA. 186+57.32
	PC	1989042.50	992057.59	STA. 190+01.93
	PI	1989049.03	992104.82	STA. 190+49.61
CURVE E_MILL-2	PT	1989058.05	992151.64	STA. 190+97.27
	PC	1989115.42	992449.40	STA. 194+00.50
	PI	1989142.38	992589.34	STA. 195+43.01
CURVE E_MILL-3	PT	1989138.81	992731.80	STA. 196+84.41
	POT	1989130.91	993047.30	STA. 200+00.00

EXIST. CURVE E_MILL-1
PI STA. = 184+86.43
Δ = 6° 24' 10" (LT)
D = 1° 52' 17"
R = 3,061.72'
T = 171.25'
L = 342.14'
E = 4.79'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 183+15.18
P.T. STA. = 186+57.32

EXIST. CURVE E_MILL-2
PI STA. = 190+49.61
Δ = 3° 01' 52" (LT)
D = 3° 10' 46"
R = 1,802.10'
T = 47.68'
L = 95.34'
E = 0.63'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 190+01.93
P.T. STA. = 190+97.27

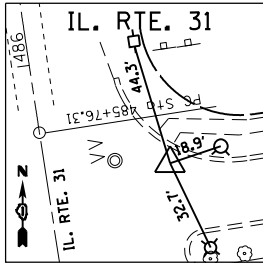
EXIST. CURVE E_MILL-3
PI STA. = 195+43.01
Δ = 12° 20' 24" (RT)
D = 4° 20' 47"
R = 1,318.24'
T = 142.51'
L = 283.91'
E = 7.68'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 194+00.50
P.T. STA. = 196+84.41





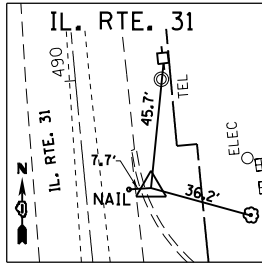
CONTROL POINT #1

IRON ROD WITH CAP
MILLER RD.
STA. 200+20.36, 0.2 LT.
N=1989130.63
E=993067.66
ELEV=781.65



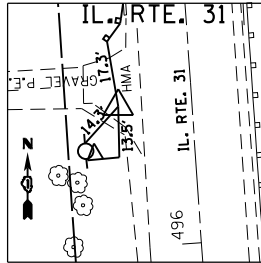
CONTROL POINT #2

MAGNETIC NAIL IN PAVEMENT
OF ENTRANCE
IL. RTE. 31
STA. 485+58.9, 43.19' RT.
N=1987702.25
E=993214.16
ELEV=765.70



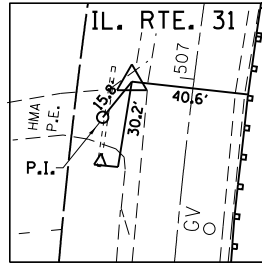
CONTROL POINT #4

SURVEY POINT NEAR ENTRANCE
IL. RTE. 31
STA. 489+60.31, 22.66' RT.
N=1988096.05
E=993143.62
ELEV=772.52



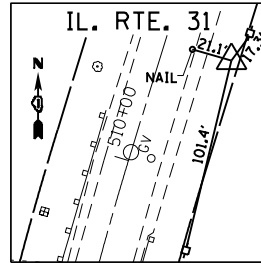
CONTROL POINT #5

SURVEY POINT
IL. RTE. 31
STA. 496+36.93, 19.18' LT.
N=1988767.38
E=993052.96
ELEV=783.69



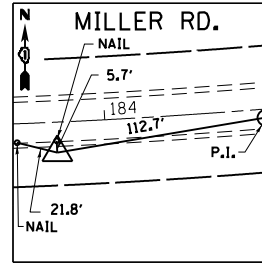
CONTROL POINT #6

PK NAIL IN PAVEMENT
IL. RTE. 31
STA. 506+96.56, 21.34' LT.
N=1989828.60
E=993010.50
ELEV=785.05



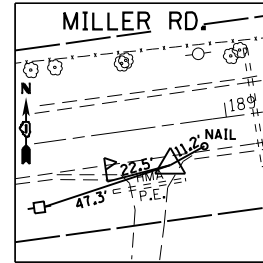
CONTROL POINT #7

SURVEY POINT
IL. RTE. 31
STA. 510+65.65, 35.98 RT.
N=1990174.58
E=993148.40
ELEV=786.14



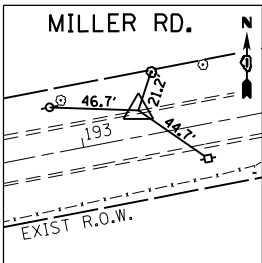
CONTROL POINT #8

SURVEY POINT
MILLER RD.
STA. 183+74.53, 15.84' RT.
N=1988953.70
E=991435.44
ELEV=884.81



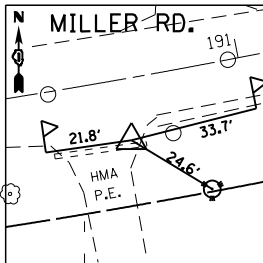
CONTROL POINT #9

SURVEY POINT
MILLER RD.
STA. 188+78.39, 13.83' RT.
N=1989011.87
E=991937.12
ELEV=861.91



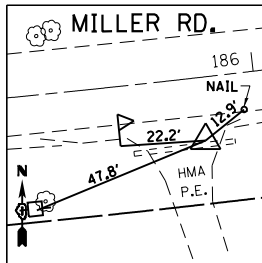
CONTROL POINT #10

SURVEY POINT
MILLER RD.
STA. 193+31.67, 13.53 LT.
N=1989115.68
E=992379.25
ELEV=847.67



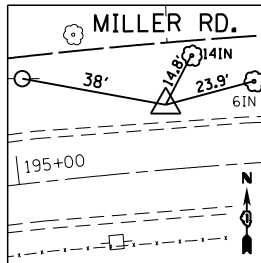
CONTROL POINT #11

SURVEY POINT
MILLER RD.
STA. 190+68.88, 16.07 RT.
N=1989037.07
E=992126.52
ELEV=858.14



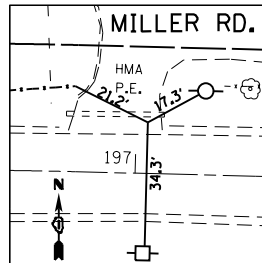
CONTROL POINT #12

SURVEY POINT IN ENTRANCE
MILLER RD.
STA. 185+85.60, 16.45' RT.
N=1988969.91
E=991646.96
ELEV=874.68



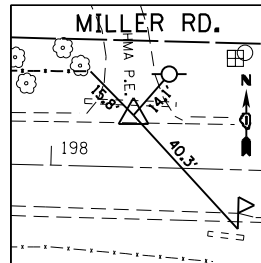
CONTROL POINT #13

SURVEY POINT
MILLER RD.
STA. 195+39.75, 16.85' LT.
N=1989151.68
E=992750.66
ELEV=805.34



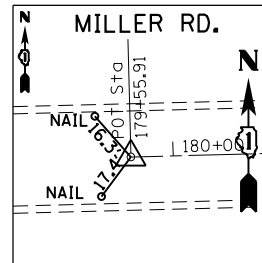
CONTROL POINT #14

SURVEY POINT IN ENTRANCE
MILLER RD.
STA. 197+02.95, 13.34' LT.
N=1989151.68
E=992750.66
ELEV=805.34



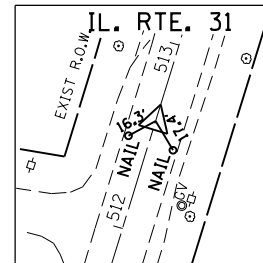
CONTROL POINT #15

SURVEY POINT
MILLER DR.
STA. 198+21.22, 13.54' LT.
N=1989148.92
E=992868.90
ELEV=792.92



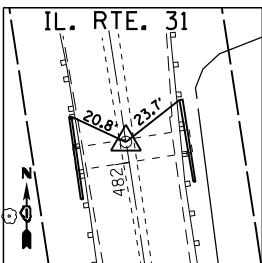
CONTROL POINT #101

SURVEY POINT POT
MILLER RD.
STA. 179+55.91, 0' RT.
N=1988958.20
E=991016.26
ELEV=895.98



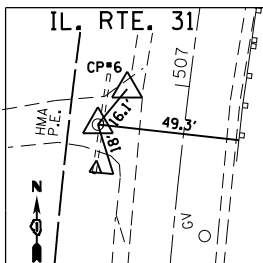
CONTROL POINT #109

SURVEY POINT
IL. RTE. 31.
STA. 512+58.59, 0' RT.
N=1990369.56
E=993170.80
ELEV=785.59



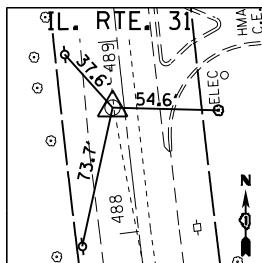
CONTROL POINT #111

SURVEY POINT P.O.T.
IL. RTE. 31
STA. 482+07.82, 0' RT.
N=1987348.12
E=993224.98
ELEV=763.05



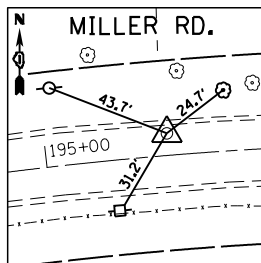
CONTROL POINT #116

SURVEY POINT P.I.
IL. RTE. 31
STA. 506+86.92, 29.91' LT.
N=1987998.92
E=993000.39
ELEV=XXX.XX



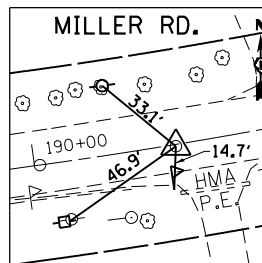
CONTROL POINT #117

SURVEY POINT P.I.
IL. RTE. 31
STA. 488+65.70, 6.11' LT.
N=1987998.92
E=993124.80
ELEV=XXX.XX



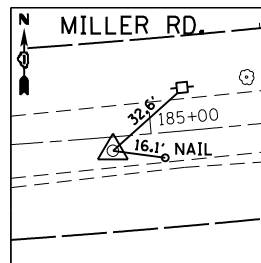
CONTROL POINT #118

SURVEY POINT P.I.
MILLER RD.
STA. 195+43.01, 7.68' LT.
N=1989142.38
E=992589.34
ELEV=XXX.XX



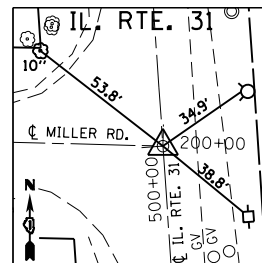
CONTROL POINT #119

SURVEY POINT P.I.
P.K. NAIL IN PAVEMENT
MILLER RD.
STA. 190+49.61, 0.63' RT.
N=1989049.03
E=992104.82
ELEV=XXX.XX



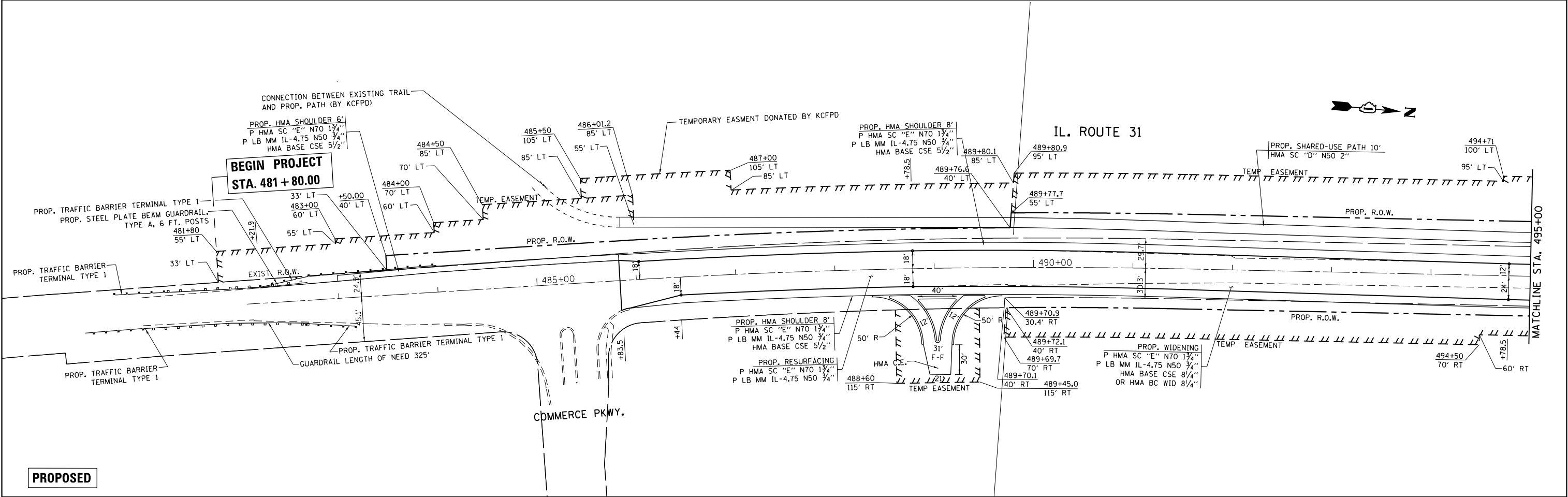
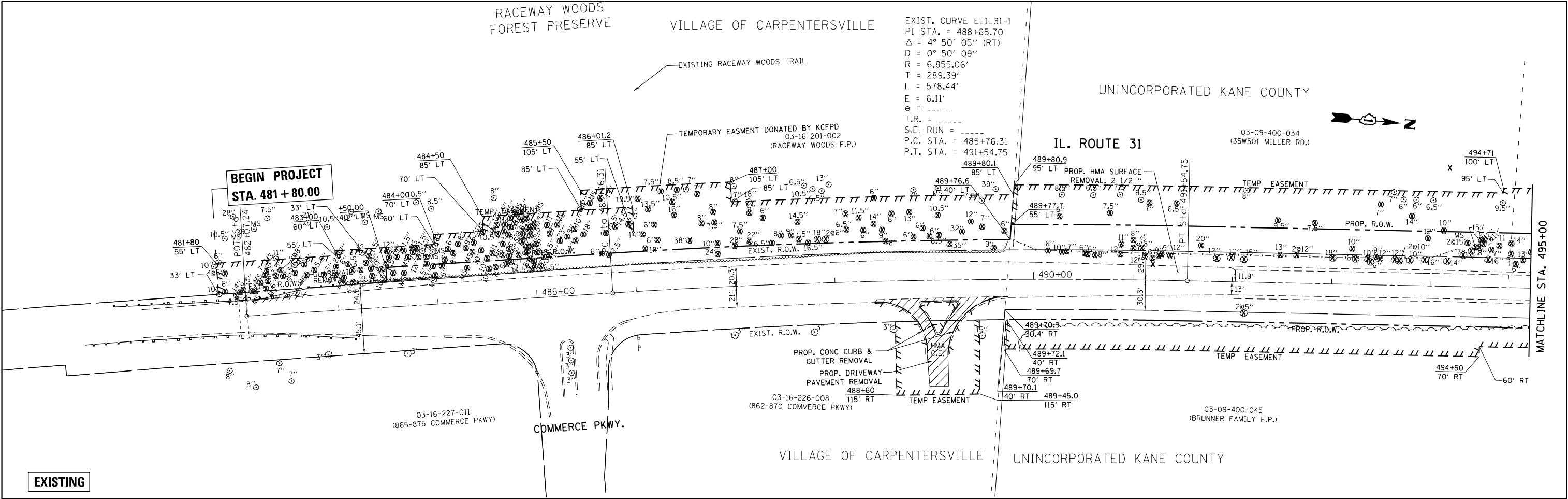
CONTROL POINT #120

SURVEY POINT P.I.
P.K. NAIL IN PAVEMENT
MILLER RD.
STA. 184+86.43, 4.79' RT.
N=1989148.92
E=991546.61
ELEV=XXX.XX

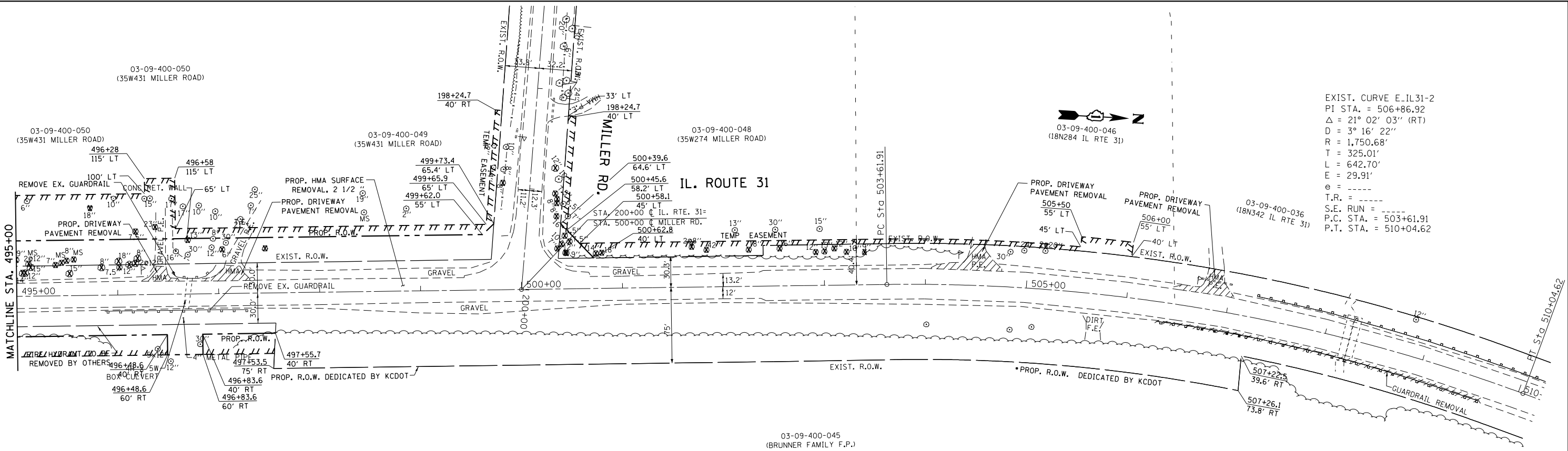


CONTROL POINT #121

SURVEY POINT C-C
IL. RTE. 31
STA. 500+00.00, 0' RT.
MILLER RD.
STA. 200+00.00, 0' RT.
N=1989130.91
E=993047.30
ELEV=XXX.XX



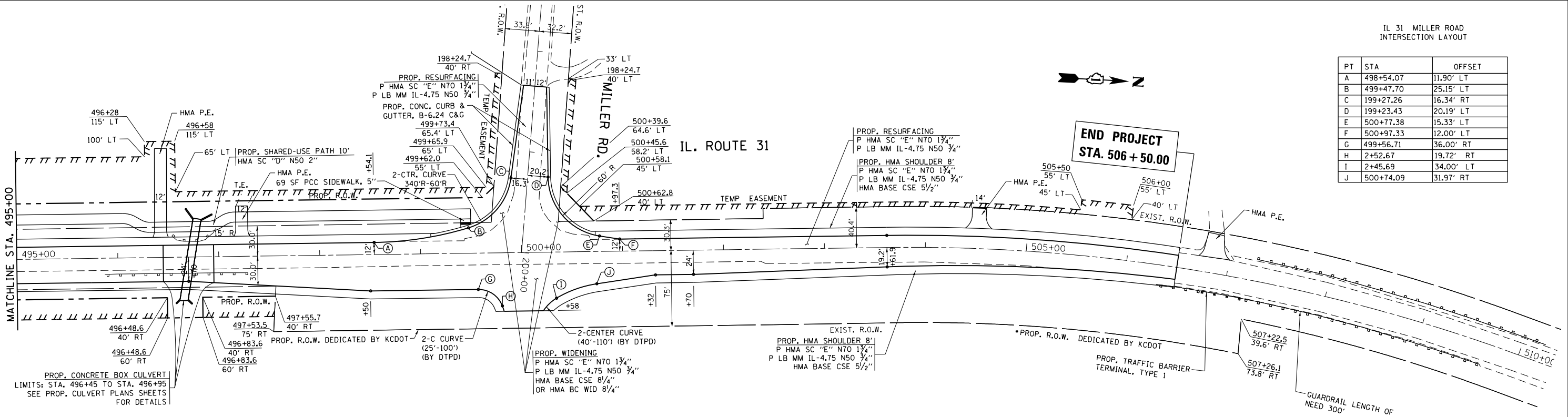
FILE NAME =		USER NAME = Bilgramise		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION IL ROUTE 31 at MILLER RD. EXISTING AND PROPOSED ROADWAY PLAN <table><tr><td colspan="2">SCALE:</td><td colspan="2">SHEET</td><td colspan="2">OF</td><td colspan="2">SHEETS</td><td colspan="2">STA.</td><td colspan="2">TO STA.</td></tr><tr><td colspan="10"></td><td colspan="2">CONTRACT NO. 60P66</td></tr><tr><td colspan="10"></td><td colspan="2">ILLINOIS FED. AID PROJECT</td></tr><tr><td colspan="10"></td><td colspan="2"></td></tr></table>										SCALE:		SHEET		OF		SHEETS		STA.		TO STA.												CONTRACT NO. 60P66												ILLINOIS FED. AID PROJECT													
SCALE:		SHEET		OF		SHEETS												STA.		TO STA.																																													
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																		ILLINOIS FED. AID PROJECT																																															
p:\IL084EBID\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\P144609\Drawings\GAD\sheet\PI144609-shr-pln\PI144609-shr-pln.dwg		PLOT SCALE = 100.0000' / 1" =		CHECKED -		REVISED -																																																											
Default		PLOT DATE = 5/10/2018		DATE -		REVISED -																																																											



EXIST. CURVE E-IL31-2
PI STA. = 506+86.92
 Δ = 21° 02' 03" (RT)
D = 3° 16' 22"
R = 1,750.68'
T = 325.01'
L = 642.70'
E = 29.91'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 503+61.91
P.T. STA. = 510+04.62

EXISTING

BRUNNER FAMILY FOREST PRESERVE



IL 31 MILLER ROAD
INTERSECTION LAYOUT

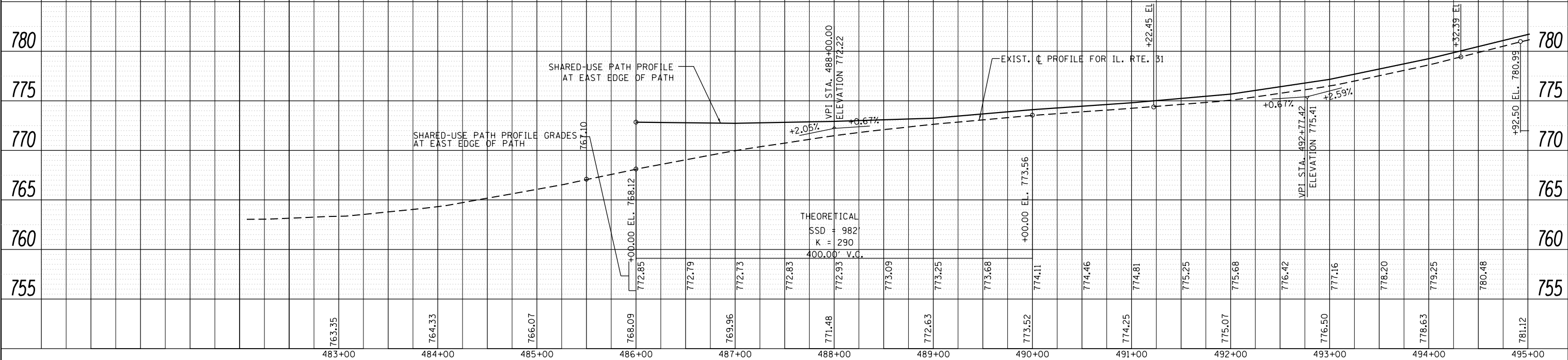
PT	STA	OFFSET
A	498+54.07	11.90' LT
B	499+47.70	25.15' LT
C	199+27.26	16.34' RT
D	199+23.43	20.19' LT
E	500+77.38	15.33' LT
F	500+97.33	12.00' LT
G	499+56.71	36.00' RT
H	2+52.67	19.72' RT
I	2+45.69	34.00' LT
J	500+74.09	31.97' RT

PROPOSED

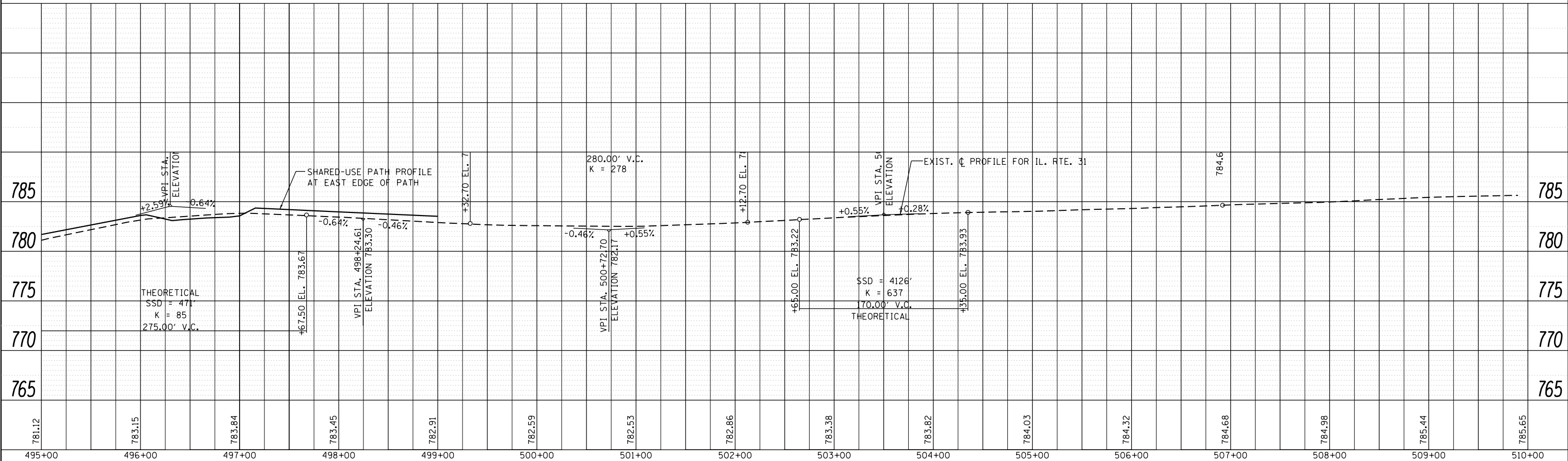
FILE NAME =	USER NAME = Bilgramis	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 at MILLER RD. EXISTING AND PROPOSED ROADWAY PLAN	SCALE:	SHEET OF SHEETS	STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI14460\Drawings\GAD\sheet\PI144609-shr-pln\PI144609-shr-pln.dwg		CHECKED -	REVISED -						3887	S-N-1	KANE	76	21
		DATE -	REVISED -										
Default													

ILLINOIS FED. AID PROJECT

PLAN	SURVEYED PLOTTED	BY	DATE
NOTE BOOK NO.	CHECKED DATE	FILE NAME	

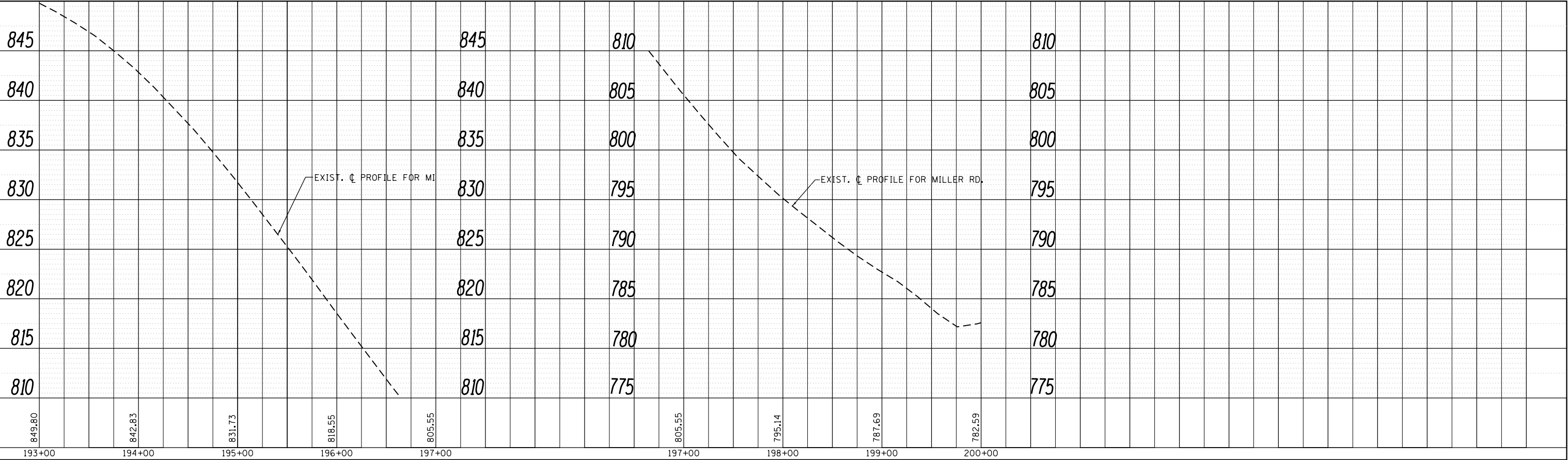


PROFILE	SURVEYED PLOTTED	BY	DATE
NOTE BOOK NO.	CHECKED DATE	FILE NAME	

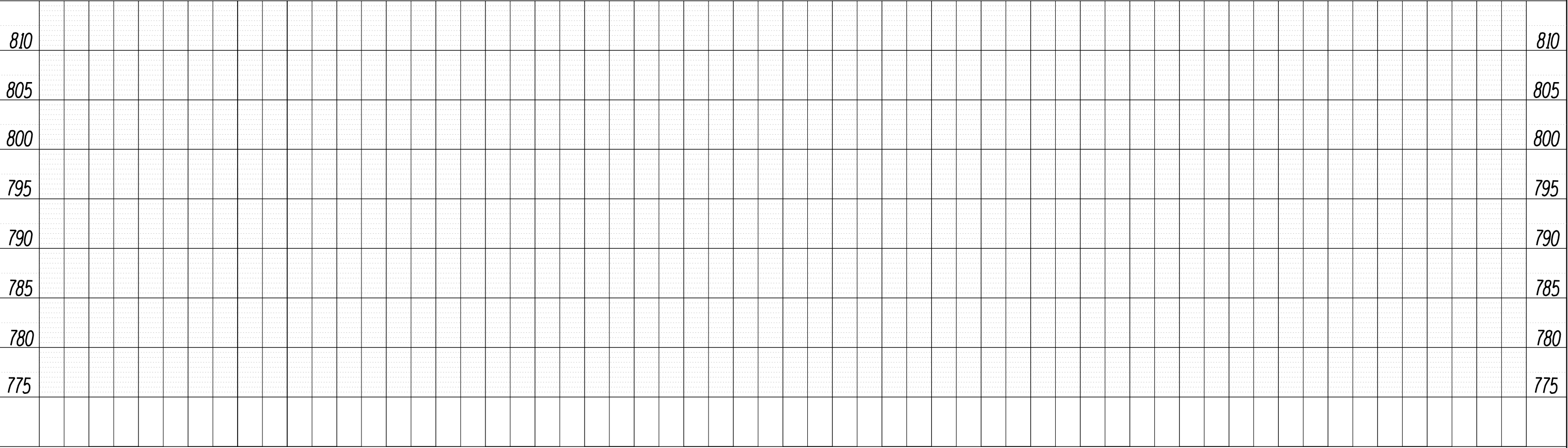


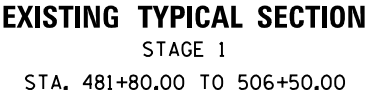
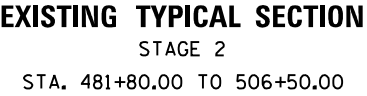
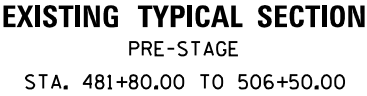
FILE NAME =	USER NAME = Bilgramis	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 at MILLER RD. PROFILE				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\PI44609\DRAWN\CAB\sheet\PI44609-sht-plnpr.dgn		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				3887	S-N-1	KANE	76	22
Default		DATE = 5/10/2018	REVISED -						CONTRACT NO. 60P66				
									ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
NOTE BOOK NO.	CHECKED		
	FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
NOTE BOOK NO.	CHECKED		
	STRUCTURE		
	NOTATIS		





- MAINTAIN 12 FT THRU LANES
- PLACE BARRICADES AND DRUMS SOUTHBOUND SIDE OF IL 31
- 8 FT TEMPORARY PAVEMENT TO BE ADDED ALONG WEST SIDE OF IL 31
- AT THE CULVERT LOCATION (STA 496+45 TO 496+95), ONLY 2 FT TEMPORARY PAVEMENT TO BE INSTALLED.

- SHIFT SOUTHBOUND TRAFFIC TO UTILIZE THE NEWLY CONSTRUCTED SOUTHBOUND SHOULDER
- SHIFT NORTHBOUND TRAFFIC TO UTILIZE PART OF THE EXISTING SOUTHBOUND LANE.
- REDUCE TO 11 FT LANES OF TRAFFIC IN EACH DIRECTION
- PLACE TEMPORARY CONCRETE BARRIER NORTHBOUND SIDE OF IL 31
- CONSTRUCT THE NEW PAVEMENT, THE SHOULDER, AND THE ROADSIDE FEATURES ON THE EAST SIDE OF PAVEMENT

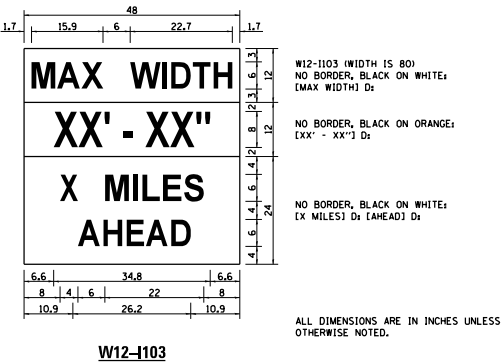
- SHIFT SOUTHBOUND AND NORTHBOUND TRAFFIC EASTWARD USING THE NEWLY CONSTRUCTED PAVEMENT
- REDUCE TO 11 FT LANES OF TRAFFIC IN EACH DIRECTION
- PLACE TEMPORARY CONCRETE BARRIER WEST OF THE SOUTHBOUND LANE
- CONSTRUCT THE NEW PAVEMENT, THE SHOULDER, AND THE ROADSIDE FEATURES ON THE WEST SIDE OF THE ROADWAY.
- COMPLETE BY RE-GRADING THE DRIVEWAYS ON THE WEST SIDE OF ROADWAY.

NOTE: POLYMERIZED LEVELING BINDER AND POLYMERIZED HMA SURFACE COURSE MIX "E" TO BE PLACED IN THE FINAL STAGE.

NOTE: TRAFFIC ALONG MILLER RD. SHALL BE MAINTAINED DURING THE WIDENING AND RESURFACING OPERATIONS BY STAGING THE CONSTRUCTION. TRAFFIC WILL BE SHIFTED TO THE NORTH AND MAINTAINED BY USING FLAGGERS AND TRAFFIC CONTROL MEASURES.

LEGEND:

(A)	TEMPORARY PAVEMENT MARKING, TYPE III 4" SOLID WHITE EDGE LINE
(B)	TEMPORARY PAVEMENT MARKING, TYPE III 4" SOLID YELLOW EDGE LINE
(C)	TEMPORARY PAVEMENT MARKING, TYPE III 4" SOLID DOUBLE YELLOW @ 11" C-C
	WORK ZONE
	SHOULDER REMOVAL
	DOUBLE VERTICAL PANEL PLACED 50' CENTERS ALONG TANGENT SECTIONS, IN TAPER (20 FT C-C) IN CURVES & RADII (25 FT C-C) WITH STEADY BURN BI-DIRECTIONAL LIGHTS
	TEMPORARY CONCRETE BARRIER
	DRUMS OR TY II BARRICADE AT 50 FT SPACING DEVICES IN TAPER (20 FT C-C) DEVICES IN CURVES & RADII (25 FT C-C) WITH STEADY BURN BI-DIRECTIONAL LIGHTS



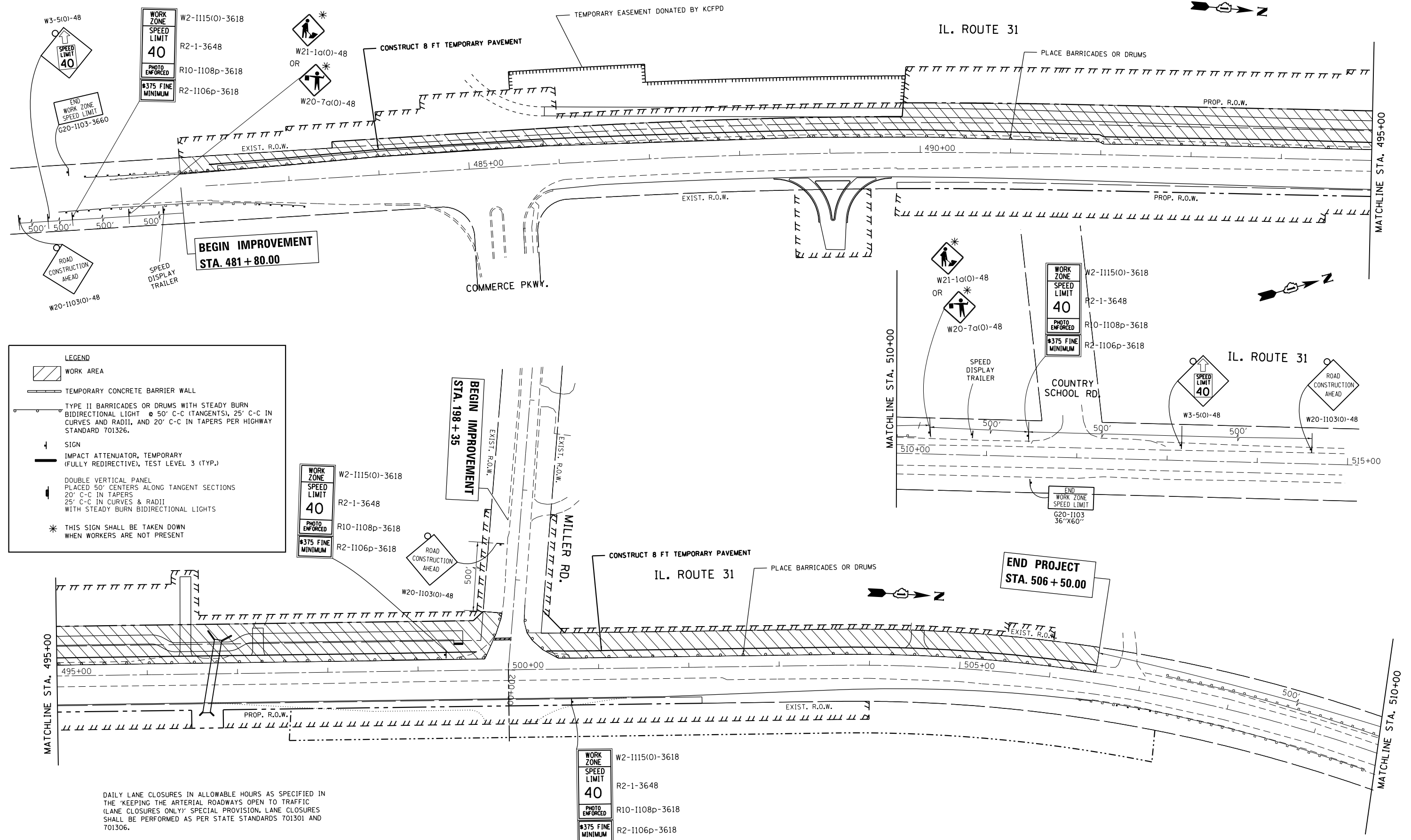
DISPLAY MAX WIDTH AS 9' - 6"

INSTALL 1 SIGN AT IL 31 AND IL 62 INTERSECTION (3.0 MILES NORTH OF MILLER RD.)
INSTALL 1 SIGN AT IL 31 AND IL 68 INTERSECTION (1.5 MILES SOUTH OF MILLER RD.)

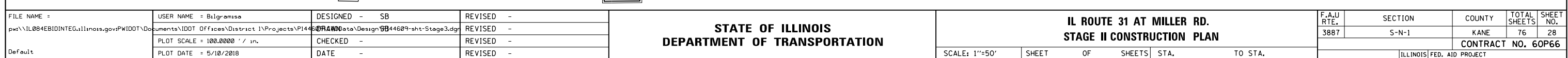
SIGNS TO BE DISPLAYED BEFORE STAGE 1 AND TO BE REMOVED AFTER STAGE 2

SIGNS TO BE PAID AS TEMPORARY INFORMATION SIGNING

FILE NAME =	USER NAME = Bilgramise	DESIGNED - SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING TYPICALS IL 31 AT MILLER RD					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\IL084EBID\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\PI4609\DATA\Design\SB44609-shft-details.dgn										3887	S-N-1	KANE	76	25
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 60P66									
	PLOT DATE = 5/10/2018	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.				



FILE NAME =	USER NAME = Bilgornise	DESIGNED - SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 AT MILLER RD. PRE-STAGE CONSTRUCTION PLAN				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
px\\il084EBIDINTEGillinois.gov\PID00T\Documents\IDOT Offices\District 1\Projects\PI4404\Drawn\Design\SB44609-shr-Pre-Stage-PS			REVISED -						3887	S-N-1	KANE	76	26
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 60P66								
	PLOT DATE = 5/10/2018	DATE	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO STA.			





03-09-400-034
(35W501 MILLER RD.)

IL. ROUTE 31

TEMPORARY EASEMENT DONATED BY KCFPD
03-16-201-002
(RACEWAY WOODS F.P.)

TEMP. EASEMENT

PROP. R.O.W.

MATCHLINE STA. 495+00

BEGIN PROJECT
STA. 481+80.00

7H x 8W BOX CULVERT

WOUS #3 - NO IMPACT

COMMERCE PKWY.

03-16-227-011
(865-875 COMMERCE PKWY)

03-16-226-008
(862-870 COMMERCE PKWY)

03-09-400-045
(BRUNNER FAMILY F.P.)

EROSION CONTROL LEGEND

SYMBOL

DESCRIPTION



INLET FILTER *



TEMPORARY DITCH CHECK



PROP. RIP RAP



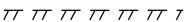
PERIMETER EROSION BARRIER
(SILT FENCE, SEE STANDARD 280001)



EXIST. R.O.W.



PROP. R.O.W.



PROP. TEMPORARY EASEMENT



ITEMS TO BE INSTALLED BEFORE
THE AREA IS DISTURBED.



TREE PROTECTION

TEMPORARY EROSION CONTROL
SEQUENCE OF CONSTRUCTION

1. ESTABLISH TEMPORARY EROSION CONTROL MEASURES
AND ERECT SILT FENCE ALONG SITE BOUNDARIES
AS SHOWN ON PLAN PRIOR TO MASS EARTHWORK.
2. INSTALL DITCH CHECKS IMMEDIATELY AFTER
DITCH DISTURBANCE STARTS.
3. INSTALL PERMANENT SEEDING BEFORE BEGINNING
NEXT CONSTRUCTION STAGE.

IL 31
TEMPORARY DITCH CHECK LOCATIONS

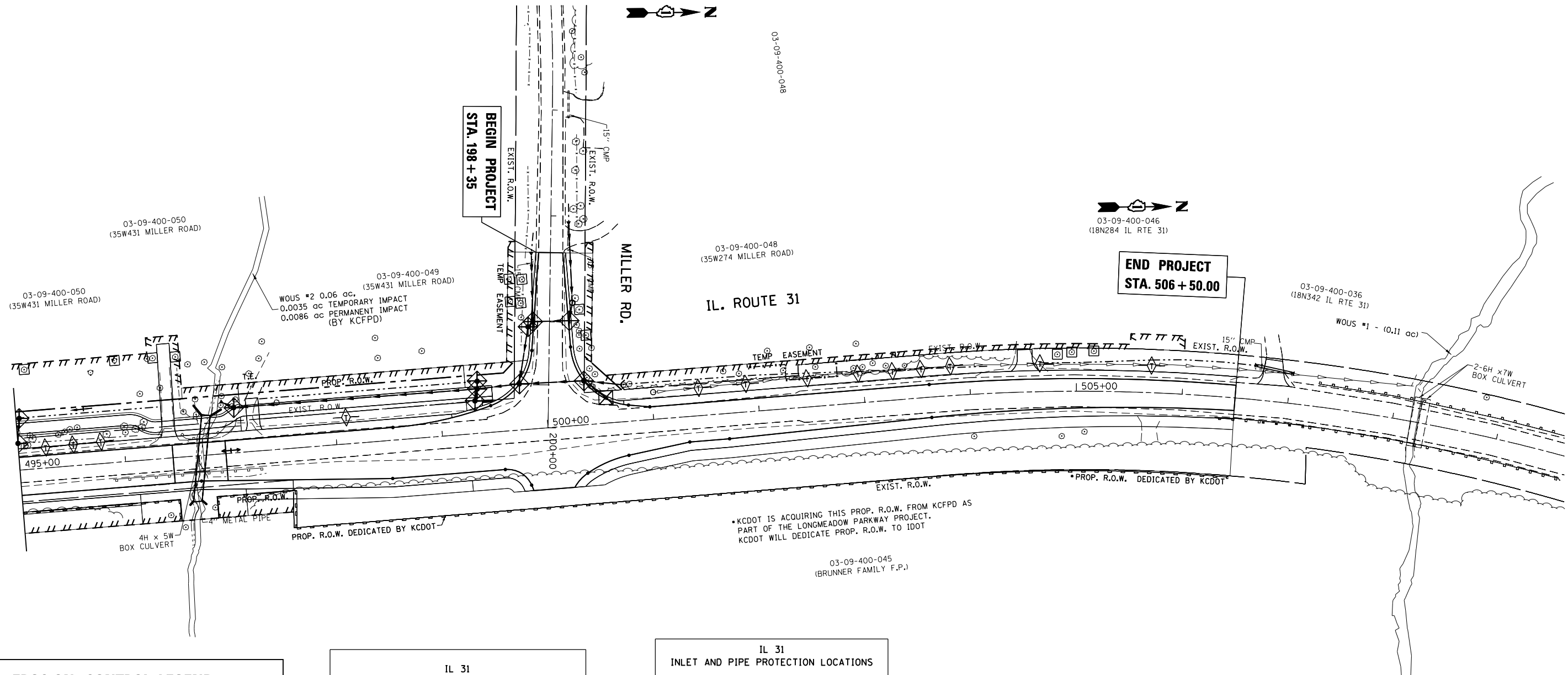
STATION	STATION	STATION	STATION
482+50	486+26.6	490+72.5	494+58.5
483+59	486+53.2	491.57.5	494+78
484+28	486+79.8	492+33.8	494+97.5
484+56	487+32.7	492+67.6	
484+84	487+65.4	493+23.8	
485+26.7	487+98.1	493+47.6	
485+68.44	488+41.7	493+71.4	
485+91.14	488+83.4	494+19.5	
484+28	489+58.1	494+39	

PERIMETER EROSION BARRIER LOCATIONS

LOCATION	OFFSET	FROM STATION	TO STATION
IL 31	40' RT.	485+83	495+00

IL 31
INLET AND PIPE PROTECTION LOCATIONS

LOCATION IL 31	OFFSET (FT)	INLET & PIPE PROTECTION (EACH)
STA. 483+00	28.0 LEFT	1.0
STA. 484+00	29.0 LEFT	1.0
STA. 485+00	30.1 LEFT	1.0
STA. 486+03.9	25.6 LEFT	1.0
STA. 487+00	31.3 LEFT	1.0
STA. 488+00	30.8 LEFT	1.0
STA. 488+06.5	58.2 LEFT	1.0
STA. 489+00	30.7 LEFT	1.0
STA. 490+00	29.7 LEFT	1.0
STA. 490+10.3	54.0 LEFT	1.0
STA. 491+00	28.4 LEFT	1.0
STA. 491+01.6	52.8 LEFT	1.0
STA. 492+00	28.2 LEFT	1.0
STA. 492+01.5	51.7 LEFT	1.0
STA. 493+00	27.4 LEFT	1.0
STA. 493+03.3	50.8 LEFT	1.0
STA. 494+00	26.0 LEFT	1.0
STA. 494+03.6	49.3 LEFT	1.0
TOTAL		18.0



EROSION CONTROL LEGEND

SYMBOL

DESCRIPTION



INLET FILTER *



TEMPORARY DITCH CHECK



PROP. RIP RAP



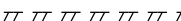
PERIMETER EROSION BARRIER
(SILT FENCE, SEE STANDARD 280001)



EXIST. R.O.W.



PROP. R.O.W.



PROP. TEMPORARY EASEMENT



ITEMS TO BE INSTALLED BEFORE
THE AREA IS DISTURBED.



TREE PROTECTION

IL 31
TEMPORARY DITCH CHECK LOCATIONS

STATION	STATION	STATION	STATION
495+26.2	501+44.6	503+27.8	505+70.7
495+52.4	501+89.2	503+55.6	
495+78.6	502+47.6	503+83.4	
498+10.7	502+95.2	504+64.94	

PERIMETER EROSION BARRIER LOCATIONS

LOCATION	OFFSET	FROM STATION	TO STATION
IL 31	40' RT.	495+00	497+58.76
IL 31	75' RT.	497+58.76	506+50

IL 31
INLET AND PIPE PROTECTION LOCATIONS

LOCATION IL 31	OFFSET (FT)	INLET & PIPE PROTECTION (EACH)
STA. 495+00	25.2 LEFT	1.0
STA. 495+02.9	48.8 LEFT	1.0
STA. 497+05.6	42.7 LEFT	1.0
STA. 499+33.3	30.9 LEFT	1.0
STA. 499+36.2	42.1 LEFT	1.0
STA. 499+36.8	49.1 LEFT	1.0
STA. 499+76.2	43.4 LEFT	1.0
STA. 500+37.1	41.6 LEFT	1.0
STA. 500+56.5	24.2 LEFT	1.0
LOCATION: MILLER RD		
STA. 198+89.7	18.6 LEFT	1.0
STA. 199+00	15.8 RIGHT	1.0
STA. 199+05	20.3 RIGHT	1.0
TOTAL		12.0

TEMPORARY EROSION CONTROL
SEQUENCE OF CONSTRUCTION

1. ESTABLISH TEMPORARY EROSION CONTROL MEASURES AND ERECT SILT FENCE ALONG SITE BOUNDARIES AS SHOWN ON PLAN PRIOR TO MASS EARTHWORK.
2. INSTALL DITCH CHECKS IMMEDIATELY AFTER DITCH DISTURBANCE STARTS.
3. INSTALL PERMANENT SEEDING BEFORE BEGINNING NEXT CONSTRUCTION STAGE.

FILE NAME =
P144609-sht-details.dgn

USER NAME = Bilgramiso

DESIGNED - SB

REVISED -

DRAWN - SB

REVISED -

PLOT SCALE = 100.0000' / in.

CHECKED -

REVISED -

PLOT DATE = 5/10/2018

DATE -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN AND NOTES
IL. ROUTE 31 AT MILLER ROAD

SCALE: 1"=50'

SHEET NO. OF SHEETS STA. 26+00 TO STA. 41+75

F.A.U.
RTE.

SECTION

COUNTY

TOTAL
SHEETS

SHEET
NO.

3887

S-N-1

KANE

76

30

CONTRACT NO. 60P66

ILLINOIS FED. AID PROJECT

EROSION CONTROL NOTES

NOTE:

- 1) THIS PROJECT REQUIRES A U.S. ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT FOUND IN THE SPECIAL PROVISIONS, MUST BE FOLLOWED. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK WITHIN WETLANDS) CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECCESARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

2) INSTALL PERIMETER EROSION BARRIER ALONG R.O.W. & TEMPORARY EASEMENTS. AS SHOWN ON PLANS. PERIMETER EROSION CONTROL SHALL BE PLACED 12 INCHES FROM THE R.O.W. OR EASEMENTS.

3) EXCAVATION FOR THE INSTALLATION OF RIP RAP WILL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL" PER CU. YD.

* 4) INSTALL INLET FILTERS ON ALL OPEN STRUCTURES. INLET PROTECTION SHALL BE PLACED IMMEDIATLY AFTER THE INVOLVED AREA HAS BEEN DISTURBED.

5) TEMPORARY EROSION CONTROL SEEDING IS TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS.

6) AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.

7) THE EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STATE STANDARD FOR THE ENTIRE DURATION OF THE CONTRACT, OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.
- 8) ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE:
(HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).

9) THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.

10) THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY, DURING THE WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.

11) THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.

12) ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCIDENTAL.

13) TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.

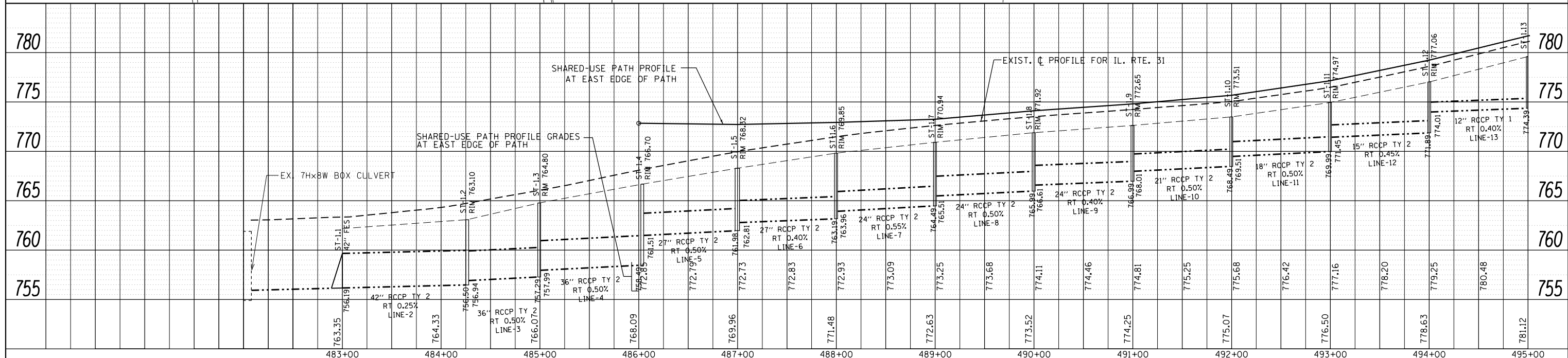
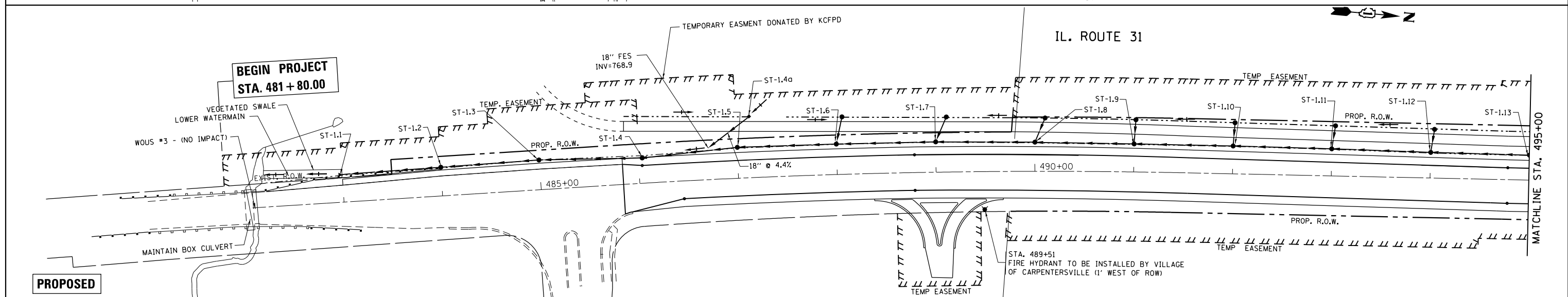
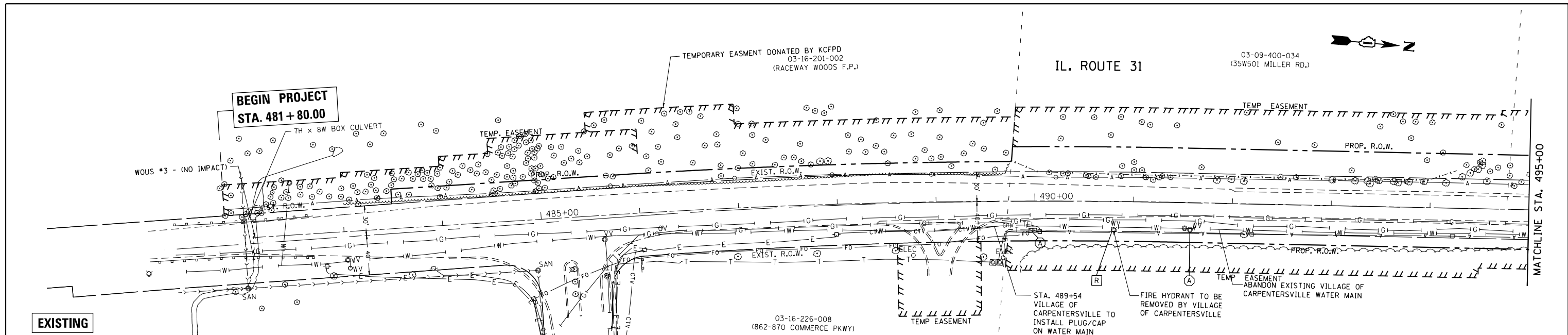
14) UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

15) EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RE.

* ITEMS TO BE INSTALLED BEFORE THE AREA IS DISTURBED.

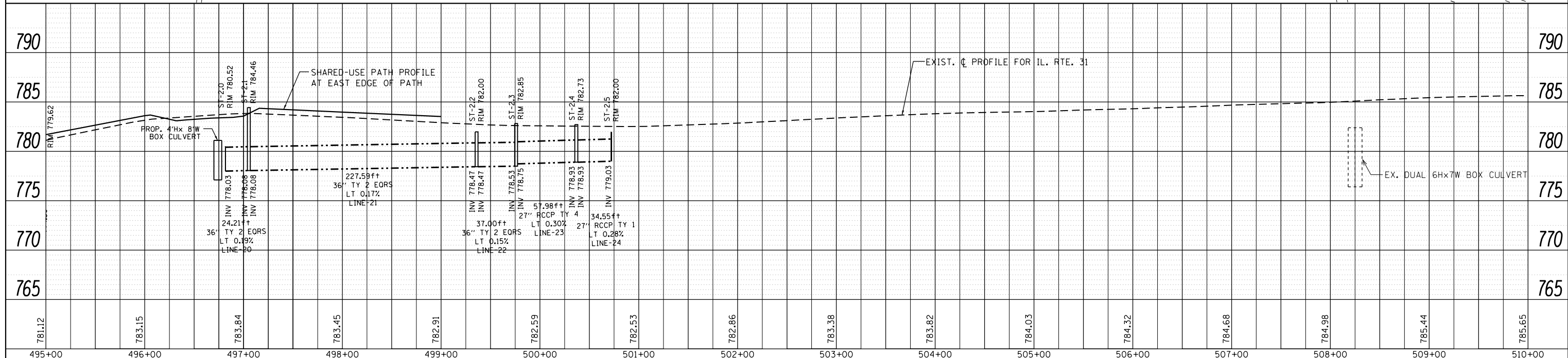
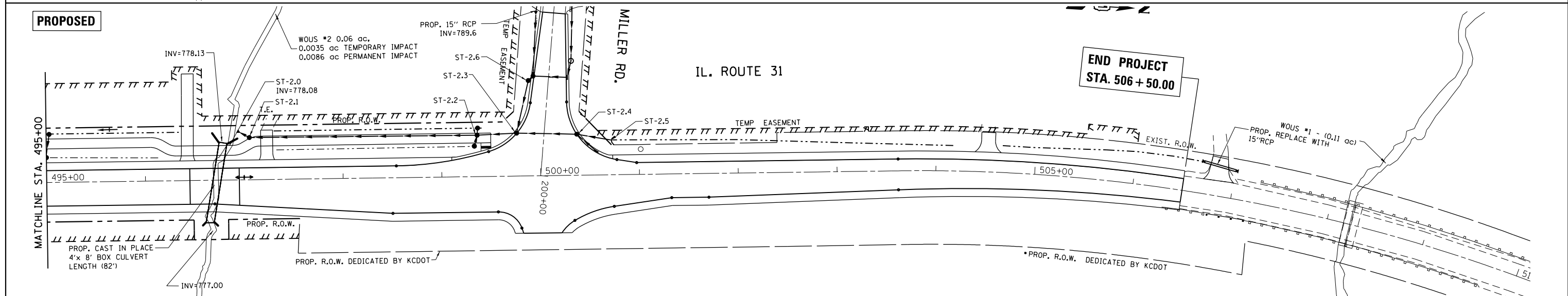
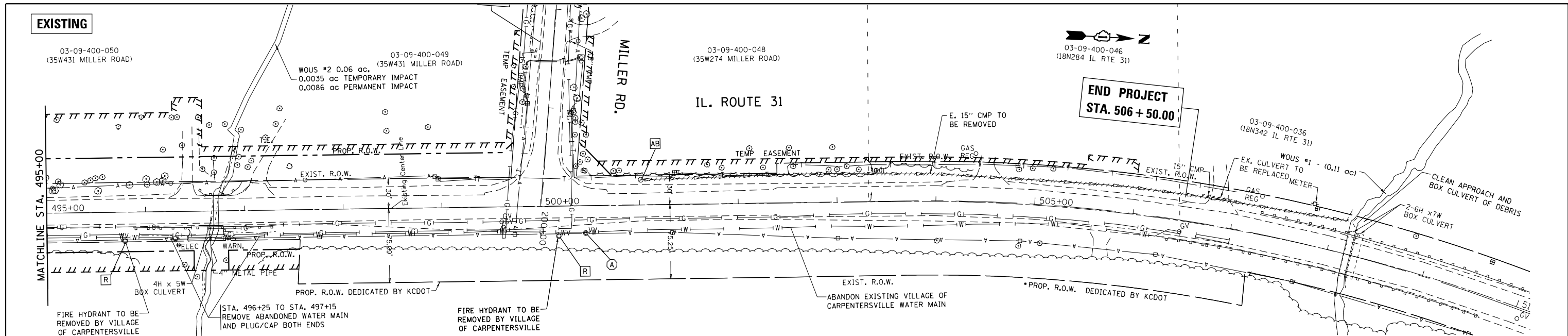
FILE NAME = pww\IL084EB\INTEG\Illinois.gov\PW\DOT\Documents\IDOT Offices\District 1\Projects\P144609\CADD\Design\I144609-01-01.dgn	USER NAME = B\gramisa	DESIGNED - SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN AND NOTES IL. ROUTE 31 AT MILLER ROAD				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - SB	REVISED -	3887						S-N-1	KANE	76	31	
	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -						CONTRACT NO. 60P66				
Default	PLOT DATE = 5/10/2018	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		
						ILLINOIS		FED. AID PROJECT					

PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK	GRADES CHECKED _____		
	B.M. NOTED _____		
NO. _____	STRUCTURE NOTATIONS CHKD _____		



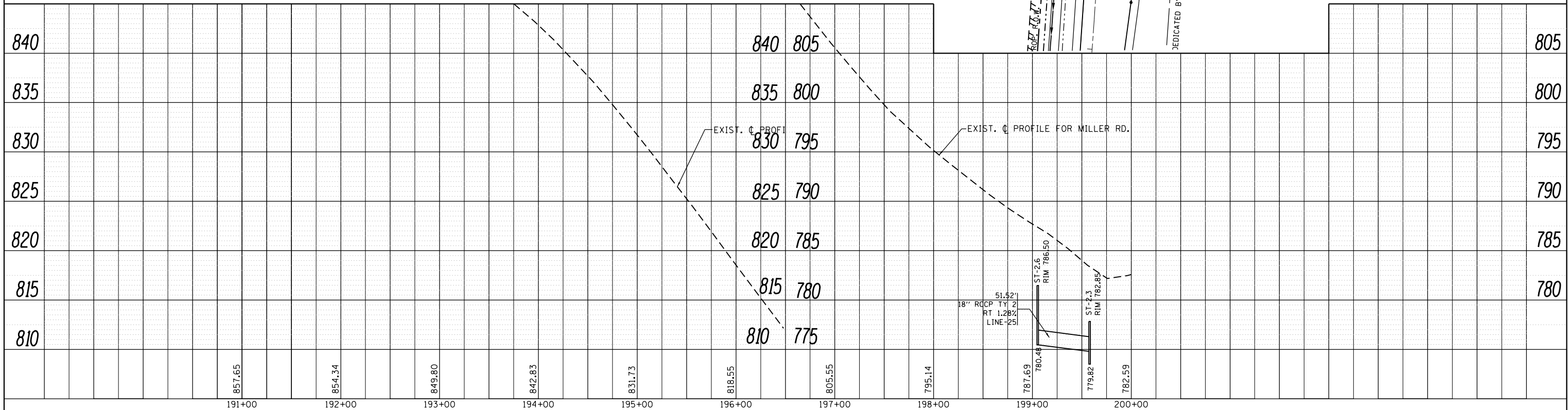
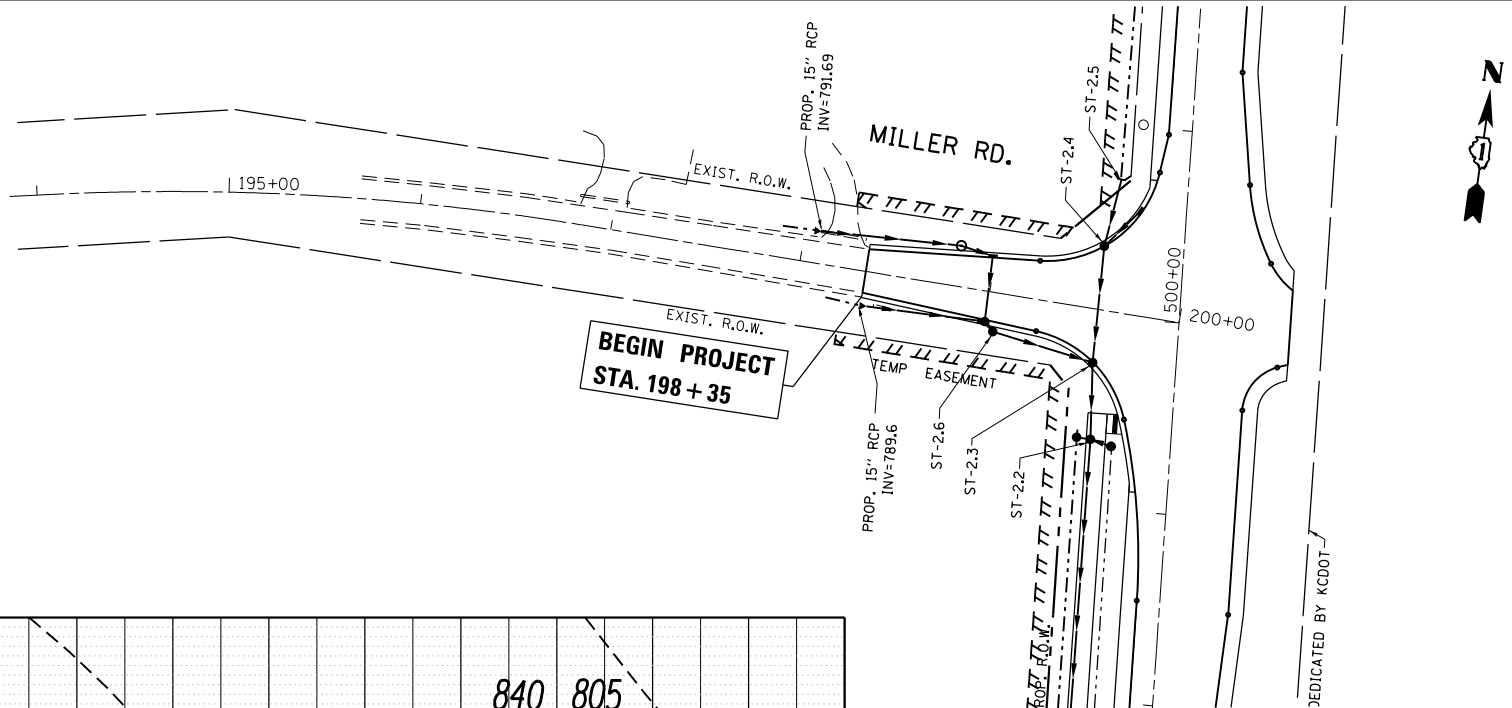
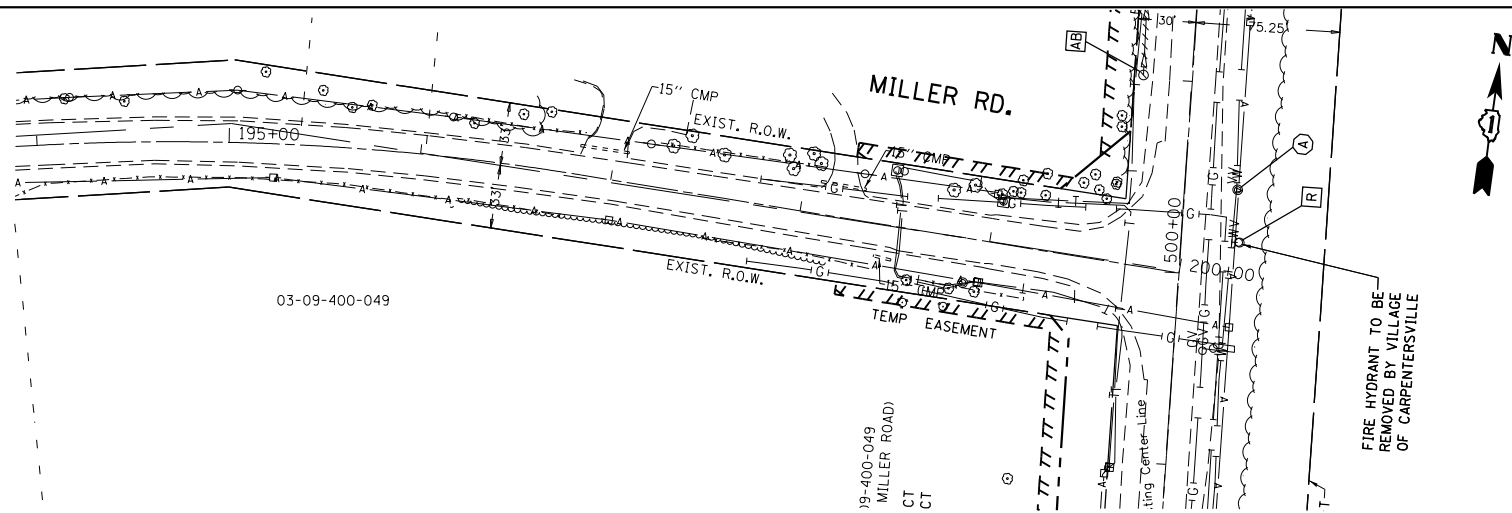
FILE NAME =	USER NAME = Bilgramise	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN AND PROFILE IL ROUTE 31 (AT MILLER RD.)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
per\\IL084EBIDINTEGallinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI144609\Drawings\CADsheets\PI144609-shr-drain.dgn		CHECKED -	REVISED -			3887	S-N-1	KANE	76	32
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	PLOT DATE = 5/10/2018	DATE	REVISED -							
						SCALE:	SHEET	OF	SHEETS	STA.

PROFILE		BY	DATE
SURVEYED _____			
PLOTTED _____			
GRADES CHECKED _____			
B.M. NOTED _____			
STRUCTURE NOTED AS CHK'D _____			
NO. _____			



FILE NAME =	USER NAME = Bilgramise	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DRAINAGE AND UTILITY PLAN AND PROFILE IL ROUTE 31 (AT MILLER RD.)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
per\\IL084EBIDINTEGallinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI144609\Drawn-CAB\Sheets\PI144609-shr-drain.dgn		DATE = 5/10/2018	REVISED -		3887	S-N-1	KANE	76	33
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 60P66				
	PLOT DATE = 5/10/2018	DATE	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.

PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK _____	GRADES CHECKED _____		
NO. _____	B.M. NOTED _____		
	STRUCTURE NOTAT'NS CHKD _____		



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Default		CHECKED -	REVISED -		CONTRACT NO. 60P66							
	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		

PROPOSED DRAINAGE STRUCTURES

ST-1.1
42" CONCRETE FLARED END SECTION
STA. 483+00, 28' LT
ELEVATION 756.19

ST-1.2
6' DIA. MANHOLE TYPE A
MEDIAN INLET
STA. 484+25, 29' LT
RIM 763.10

ST-1.3
6' DIA. MANHOLE TYPE A
MEDIAN INLET
STA. 485+00, 30.1' LT
RIM 764.80

ST-1.4
6' DIA. MANHOLE TYPE A
MEDIAN INLET
STA. 486+00, 25.6' LT
RIM 766.70

ST-1.4a
3'X3' INLET
SQUARE GRATE
STA. 487+13, 62' LT

ST-1.5
5' DIA. CATCH BASIN TYPE A
TYPE 8 GRATE
STA. 487+00, 31.3' LT
RIM 768.32

ST-1.6
5' DIA. CATCH BASIN TYPE A
TYPE 8 GRATE
STA. 488+00, 30.8 LT
RIM 769.85

ST-1.7
4' DIA. CATCH BASIN TYPE A
TYPE 8 GRATE
STA. 489+00, 30.7' LT
RIM 770.94

ST-1.8
4' DIA. CATCH BASIN TYPE A
TYPE 8 GRATE
STA. 490+00, 29.5' LT
RIM 771.92

ST-1.9
4' DIA. CATCH BASIN TYPE A
TYPE 8 GRATE
STA. 491+00, 28.3' LT
RIM 772.65

ST-1.10
4' DIA. CATCH BASIN TYPE A
TYPE 8 GRATE
STA. 492+00, 28.2' LT
RIM 773.51

ST-1.11
4' DIA. CATCH BASIN TYPE A
TYPE 8 GRATE
STA. 493+00, 27.4' LT
RIM 774.97

ST-1.12
4' DIA. CATCH BASIN TYPE A
TYPE 8 GRATE
STA. 494+00, 26' LT
RIM 777.06

ST-1.13
4' DIA. CATCH BASIN TYPE A
TYPE 8 GRATE
STA. 495+00, 25.2' LT
RIM 779.62

ST-2.0
36" EQUIV ELLIP RCP FES
STA. 496+94.5, 48.8' LT
INV. 778.08
RIM 780.52

ST-2.1
5' DIA. CB TYPE A
TYPE 8 GRATE
STA. 497+06, 42.7' LT
RIM 784.46

ST-2.2
6' DIA. MANHOLE
TYPE 8 GRATE
STA. 499+36, 41.9' LT
RIM 782.00

ST-2.3
5' DIA. MANHOLE TYPE A
TYPE 23 FRAME/GRATE
STA. 499+76, 43.4' LT
RIM 782.85

ST-2.4
5' DIA. MANHOLE TYPE A
TYPE 23 FRAME/GRATE
STA. 500+37, 41.6' LT
RIM 782.73

ST-2.5
30" RCP FES
STA. 500+72, 35' LT
INV. 779.03

ST-2.6
4' DIA. MANHOLE TYPE A
TYPE 8 GRATE
STA. 199+05, 20.2' RT (FROM MILLER RD C)
RIM 786.50

PROPOSED PIPES

LINE 1
REMOVED FROM PLANS

LINE 2
42" STORM SEWER, CLASS A, TYPE 2 - 123.77 FT

LINE 3
36" STORM SEWER, CLASS A, TYPE 2 - 69.9 FT

LINE 4
36" STORM SEWER, CLASS A, TYPE 2 - 101.4 FT

LINE 5
27" STORM SEWER, CLASS A, TYPE 2 - 96.2 FT

LINE 6
27" STORM SEWER, CLASS A, TYPE 2 - 92.7 FT

LINE 7
24" STORM SEWER, CLASS A, TYPE 2 - 97.3 FT

LINE 8
24" STORM SEWER, CLASS A, TYPE 2 - 97.1 FT

LINE 9
24" STORM SEWER, CLASS A, TYPE 2 - 97.1 FT

LINE 10
21" STORM SEWER, CLASS A, TYPE 2 - 97.1 FT

LINE 11
18" STORM SEWER, CLASS A, TYPE 2 - 97.0 FT

LINE 12
15" STORM SEWER, CLASS A, TYPE 2 - 97.6 FT

LINE 13
12" STORM SEWER, CLASS A, TYPE 1 - 96.8 FT

LINE 20
36" STORM SEWER, CLASS A, TYPE 2 EORS - 24.21 FT

LINE 21
36" STORM SEWER, CLASS A, TYPE 2 EORS - 227.59 FT

LINE 22
36" STORM SEWER, CLASS A, TYPE 2 EORS - 37.0 FT

LINE 23
27" STORM SEWER, CLASS A, TYPE 4 - 57.98 FT

LINE 24
27" STORM SEWER, CLASS A, TYPE 1 - 34.55 FT

LINE 25
18" STORM SEWER, CLASS A, TYPE 2 - 51.52 FT

PIPE UNDERDRAINS	
PIPE UNDERDRAINS, 4" (SPECIAL)	CONCRETE HEADWALLS FOR PIPE DRAINS LOCATION
STA. 486+00 TO STA. 490+00 (LT & RT)	AT STA. 486+00
STA. 492+00 TO STA. 496+00 (LT & RT)	AT STA. 492+00
STA. 501+00 TO 506+50 (RT)	AT STA. 501+00

PIPE UNDERDRAINS TYPE 2 SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE SUBGRADE OR UNDERCUT. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

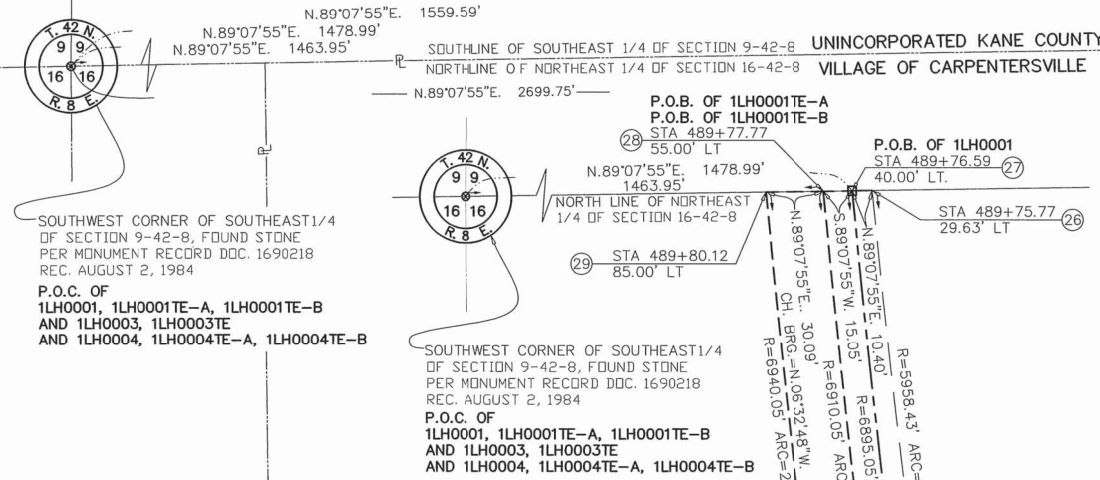
ST = STRUCTURE
STA. = STATION
INV. = INVERT

ALL STATION/ OFFSETS ARE FROM IL 31 C UNLESS OTHERWISE NOTED

FILE NAME = p:\1\1084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\PI44609\Design\SB44609-shr-details.dgn Default	USER NAME = Bilgramiso	DESIGNED - SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 31 AT MILLER RD PROPOSED PIPE AND STRUCTURES TABLE					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
										REVISED -	3887	S-N-1	KANE	76	35
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -							CONTRACT NO. 60P66					
	PLOT DATE = 5/10/2018	DATE -	REVISED -							ILLINOIS FED. AID PROJECT					
										SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

PARTS OF THE SE 1/4 OF SECTION 9 AND NE 1/4 OF SECTION 16, TWP. 42 N., R. 8 E. OF THE 3RD. P.M.,
KANE COUNTY, ILLINOIS.

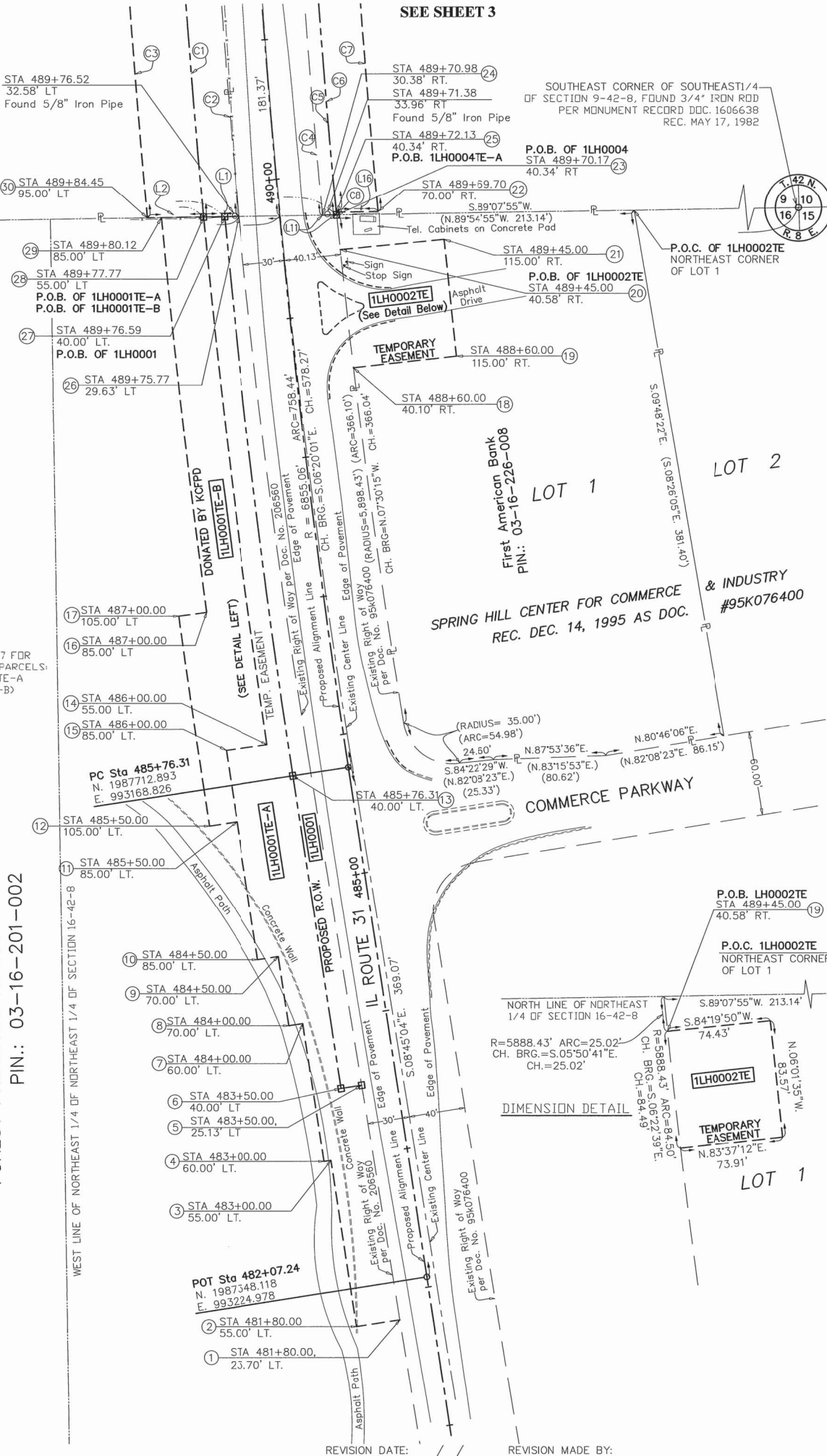
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
1LH0001 1LH0001TE-A 1LH0001TE-B	37.736	0.177	N/A	37.559	0.469 0.333	N/A N/A	03-16-201-002
1LH0002TE	1.981	N/A	N/A	1.981	0.143	N/A	03-16-226-008



DIMENSION DETAIL

COORDINATE TABLE				
STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2011 ADJUSTMENT)				
PT.	STATION	OFFSET	NORTH	EAST
1	481+80.00	23.70' LT.	1987317.589	993205.696
2	481+80.00	55.00' LT.	1987312.827	993174.762
3	483+00.00	55.00' LT.	1987431.430	993156.505
4	483+00.00	60.00' LT.	1987430.669	993151.563
5	483+50.00	25.13' LT.	1987485.393	993178.422
6	483+50.00	40.00' LT.	1987483.1300	993163.723
7	484+00.00	60.00' LT.	1987529.505	993136.349
8	484+00.00	70.00' LT.	1987527.984	993126.466
9	484+50.00	70.00' LT.	1987577.402	993118.859
10	484+50.00	85.00' LT.	1987575.120	993104.033
11	485+50.00	85.00' LT.	1987673.955	993088.819
12	485+50.00	105.00' LT.	1987670.913	993069.052
13	485+76.31	40.00' LT.	1987706.807	993129.292
14	486+00.00	55.00' LT.	1987728.919	993110.756
15	486+00.00	85.00' LT.	1987724.886	993081.021
16	487+00.00	85.00' LT.	1987823.881	993066.883
17	487+00.00	105.00' LT.	1987821.193	993047.065
18	488+60.00	40.10' RT.	1987998.658	993172.324
19	488+60.00	115.00' RT.	1988006.871	993245.777
20	489+45.00	40.58' RT.	1988082.630	993162.938
21	489+45.00	115.00' RT.	1988089.982	993237.003
22	489+69.70	70.00' RT.	1988109.866	993189.844
23	489+70.17	40.34' RT.	1988107.482	993150.394
24	489+70.98	30.38' RT.	1988107.329	993150.288
25	489+72.13	40.34' RT.	1988109.453	993160.088
26	489+75.77	29.63' LT.	1988106.417	993090.094
27	489+76.59	40.00' LT.	1988106.259	993079.691
28	489+77.77	55.00' LT.	1988106.031	993064.645
29	489+80.12	85.00' LT.	1988105.575	993034.555
30	489+84.45	95.00' LT.	1988105.423	993024.525

FOREST PRESERVE DISTRICT OF KANE COUNTY
PIN.: 03-16-201-002



SEE SHEET 3

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

APPARENT PROPERTY LINE

EXISTING CENTERLINE

PROPOSED CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED EASEMENT

EXISTING ACCESS CONTROL LINE

PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION

COMPUTED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

0 50 100

SCALE: 1" = 50'

- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994325. AREAS SHOWN ON THIS PLAT ARE GROUND. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- IRON PIPE OR ROD FOUND ⊕ "MAG" OR "PK" NAIL SET OR FOUND
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF KANE) SS

THIS IS TO CERTIFY THAT WE, ASM CONSULTANTS, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-6014, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 9 & 16, TOWNSHIP 42 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT PLANO, ILLINOIS THIS th DAY OF SEPTEMBER 2015, A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-3377
LICENSE EXPIRATION DATE: 11/30/2016.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

ADVANCED SURVEYING & MAPPING

ASM

ASM CONSULTANTS, INC.
16 E Wilson St.
Batavia, IL 60510
Tel. (630) 879-0200 Fax (630) 454-3774
advanced@advc.com
Professional Design Firm #184-006014
expires 4/30/2017
ASM PROJECT NO. 777-011

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMIT: IL ROUTE 31
AT MILLER ROAD

COUNTY: KANE
JOB NO.: R-91-028-13

SECTION:
STA. 481+80.00 TO STA. 506+00.00

SCALE: 1" = 50'

SHEET 2 OF 7 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

TOTAL SHEET NO.
76 36

RECEIVED
NOV 16 2015
PLATS & LEGALS

REVISION DATE: REVISION MADE BY:

PARTS OF THE SE 1/4 OF SECTION 9 AND NE 1/4 OF SECTION 16, TWP. 42 N., R. 8 E. OF THE 3RD. P.M.,
KANE COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
1LH0003 1LH0003TE	26.890	0.576	N/A	26.314	0.746	N/A	03-09-400-034 03-09-400-049 03-09-400-050
1LH0004 1LH0004TE-A 1LH0004TE-B	70.726	0.195	N/A N/A N/A	70.531	0.417 0.033	N/A N/A	03-09-400-045

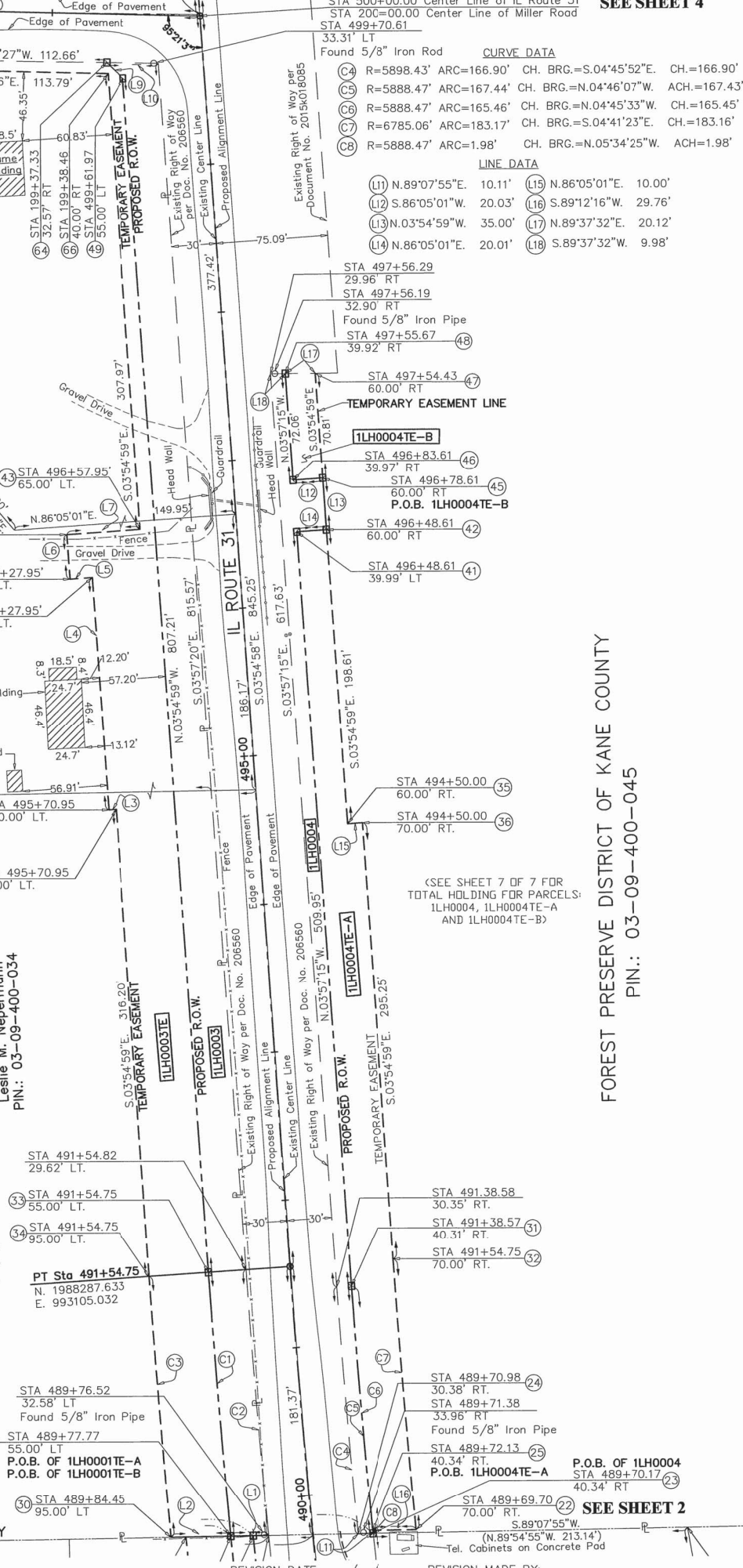
COORDINATE TABLE				
STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2011 ADJUSTMENT)				
PT.	STATION	OFFSET	NORTH	EAST
22	489+69.70	70.00' RT.	1988109.866	993189.844
23	489+70.17	40.34' RT.	1988107.482	993160.394
24	489+70.98	30.38' RT.	1988107.329	993150.288
25	489+72.13	40.34' RT.	1988109.453	993160.088
28	489+77.77	55.00' LT.	1988106.031	993064.645
29	489+80.12	85.00' LT.	1988105.575	993034.555
30	489+84.45	95.00' LT.	1988105.423	993024.525
31	491+38.57	40.31' RT.	1988274.334	993146.362
32	491+54.75	70.00' RT.	1988292.414	993174.869
33	491+54.75	55.00' LT.	1988283.876	993050.161
34	491+54.75	95.00' LT.	1988281.144	993010.254
35	494+50.00	60.00' RT.	1988586.289	993144.727
36	494+50.00	70.00' RT.	1988586.972	993154.704
37	495+70.95	95.00' LT.	1988596.603	992988.658
38	495+70.95	100.00' LT.	1988596.262	992983.670
39	496+27.95	100.00' LT.	1988752.895	992972.947
40	496+27.95	115.00' LT.	1988751.871	992957.982
41	496+48.61	39.99' LT.	1988783.072	993111.197
42	496+48.61	60.00' RT.	1988784.438	993131.162
43	496+57.95	65.00' LT.	1988785.215	993005.816
44	496+57.95	115.00' LT.	1988781.800	992955.933
45	496+78.61	60.00' RT.	1988819.357	993128.771
46	496+83.61	39.97' RT.	1988817.988	993108.783
47	497+54.43	60.00' RT.	1988890.005	993123.935
48	497+55.67	39.92' RT.	1988889.874	993103.815
49	499+61.97	55.00' LT.	1989089.205	992995.028
MILLER ROAD STATIONING				
59	198+24.67	33.44' RT.	1989101.872	992871.194
62	198+24.67	40.00' RT.	1989095.311	992871.030
64	199+37.33	32.57' RT.	1989099.920	992983.839
66	199+38.46	40.00' RT.	1989092.463	992984.782

LINE DATA			
(1)	S.89°07'55"E.	25.45'	
(2)	N.89°07'55"E.	40.12'	
(3)	N.86°05'01"E.	5.00'	
(4)	S.03°54'59"E.	157.00'	
(5)	N.86°05'01"E.	15.00'	
(6)	S.03°54'59"E.	30.00'	
(7)	S.86°05'01"W.	50.00'	
(8)	S.01°26'04"W.	6.56'	
(9)	N.46°14'27"W.	15.49'	
(10)	S.89°00'27"E.	35.38'	

CURVE DATA			
(C1)	R=6910.05'	ARC=178.44'	CH. BRG.=N.04°39'21"W. CH.=178.43'
(C2)	R=5958.43'	ARC=179.86'	CH. BRG.=S.04°39'46"E. CH.=179.86'
(C3)	R=6950.05'	ARC=176.30'	CH. BRG.=S.04°38'34"E. CH.=176.30'

PT Sta 491+54.75
N. 1988287.633
E. 993105.032

SEE SHEET 2
TO POC (SEE SHEET 2 FOR CONTINUATION)
N.89°07'55"E. 1559.59'
N.89°07'55"E. 1478.99'
N.89°07'55"E. 1463.95'



SEE SHEET 4

FOREST PRESERVE DISTRICT OF KANE COUNTY
PIN: 03-09-400-045

SECTION CORNER

QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

APPARENT PROPERTY LINE

EXISTING CENTERLINE

PROPOSED CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED EASEMENT

EXISTING ACCESS CONTROL LINE

PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION

COMPUTED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

0 50 100

SCALE: 1" = 50'

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994325. AREAS SHOWN ON THIS PLAT ARE GROUND. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

○ IRON PIPE OR ROD FOUND

⊕ "MAG" OR "PK" NAIL SET OR FOUND

⊕ 5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)) SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ASM CONSULTANTS, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-6014, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 9 & 16, TOWNSHIP 42 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT PLANO, ILLINOIS THIS th DAY OF SEPTEMBER, 2015 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3377
LICENSE EXPIRATION DATE: 11/30/2016.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

ADVANCED SURVEYING & MAPPING

ASM CONSULTANTS, INC.
16 E Wilson St.
Batavia, IL 60510
Tel. (630) 879-0200 Fax (630) 454-3774
advanced@advct.com
Professional Design Firm #184-006014
expires 4/30/2017
ASM PROJECT NO. 777-011

IDOT USE ONLY

RECEIVED
NOV 16 2015 R.C.
PLATS & LEGALS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMIT: IL ROUTE 31
AT MILLER ROAD

SECTION: STA. 481+80.00 TO STA. 506+00.00
SCALE: 1" = 50'

COUNTY: KANE
JOB NO.: R-91-028-13

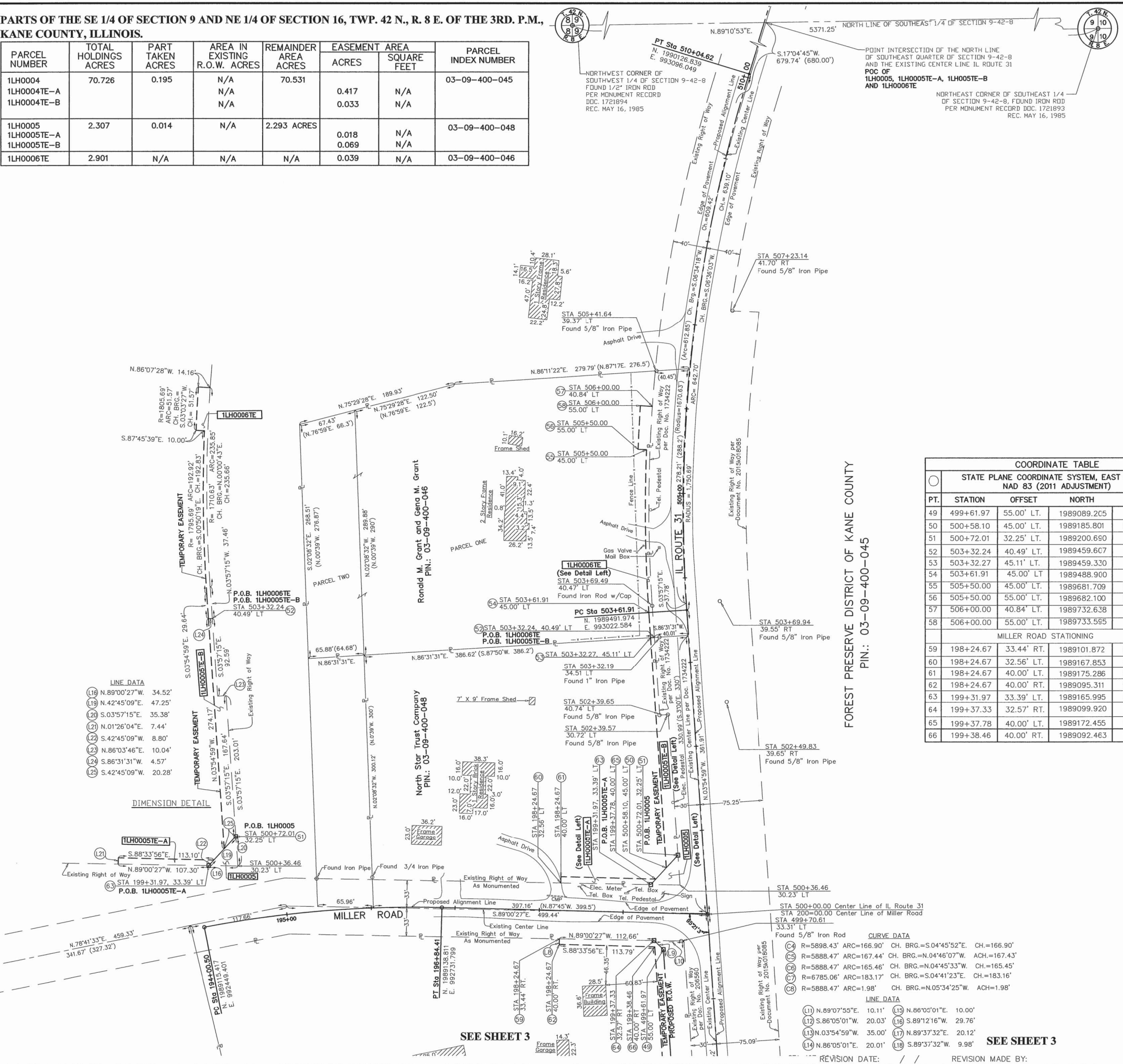
SHEET 3 OF 7 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

TOTAL SHEET NO. 76
37

PARTS OF THE SE 1/4 OF SECTION 9 AND NE 1/4 OF SECTION 16, TWP. 42 N., R. 8 E. OF THE 3RD. P.M., KANE COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1LH0004 1LH0004TE-A 1LH0004TE-B	70.726	0.195	N/A N/A N/A	70.531	0.417 0.033	N/A N/A	03-09-400-045
1LH0005 1LH0005TE-A 1LH0005TE-B	2.307	0.014	N/A	2.293 ACRES	0.018 0.069	N/A N/A	03-09-400-048
1LH0006TE	2.901	N/A	N/A	N/A	0.039	N/A	03-09-400-046



LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPROXIMATE PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING

0 60' 120'
SCALE: 1" = 60'

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994325. AREAS SHOWN ON THIS PLAT ARE GROUND. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" OR "PK" NAIL SET OR FOUND
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8" INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

COORDINATE TABLE				
STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2011 ADJUSTMENT)				
PT.	STATION	OFFSET	NORTH	EAST
49	499+61.97	55.00' LT.	1989089.205	992995.028
50	500+58.10	45.00' LT.	1989185.801	992998.439
51	500+72.01	32.25' LT.	1989200.690	993012.204
52	503+32.24	40.49' LT.	1989459.607	992984.274
53	503+32.27	45.11' LT.	1989459.330	992979.713
54	503+61.91	45.00' LT.	1989488.900	992977.689
55	505+50.00	45.00' LT.	1989681.709	992974.867
56	505+50.00	55.00' LT.	1989682.100	992964.875
57	506+00.00	40.84' LT.	1989732.638	992981.752
58	506+00.00	55.00' LT.	1989733.595	992967.625
MILLER ROAD STATIONING				
59	198+24.67	33.44' RT.	1989101.872	992871.194
60	198+24.67	32.56' LT.	1989167.853	992872.847
61	198+24.67	40.00' LT.	1989175.286	992873.033
62	198+24.67	40.00' RT.	1989095.311	992871.030
63	199+31.97	33.39' LT.	1989165.995	992980.129
64	199+37.33	32.57' RT.	1989099.920	992983.839
65	199+37.78	40.00' LT.	1989172.455	992986.101
66	199+38.46	40.00' RT.	1989092.463	992984.782

STATE OF ILLINOIS)
COUNTY OF KANE) SS

THIS IS TO CERTIFY THAT WE, ASM CONSULTANTS, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-6014, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 9 & 16, TOWNSHIP 42 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT PLANO, ILLINOIS THIS th DAY OF SEPTEMBER, 2015 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-3377
LICENSE EXPIRATION DATE: 11/30/2016.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

ADVANCED SURVEYING & MAPPING
ASM CONSULTANTS, INC.
16 E. Wilson St.
Batavia, IL 60510
Tel. (630) 879-0200 Fax (630) 454-3774
advanced@advct.com
Professional Design Firm #184-006014
expires 4/30/2017
ASM PROJECT NO. 777-011

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMIT: IL ROUTE 31
AT MILLER ROAD
COUNTY: KANE
JOB NO.: R-91-028-13

SECTION:
STA. 481+80.00 TO STA. 506+00.00
SCALE: 1" = 60'

SHEET 4 OF 7 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

TOTAL SHEET NO. 76 38

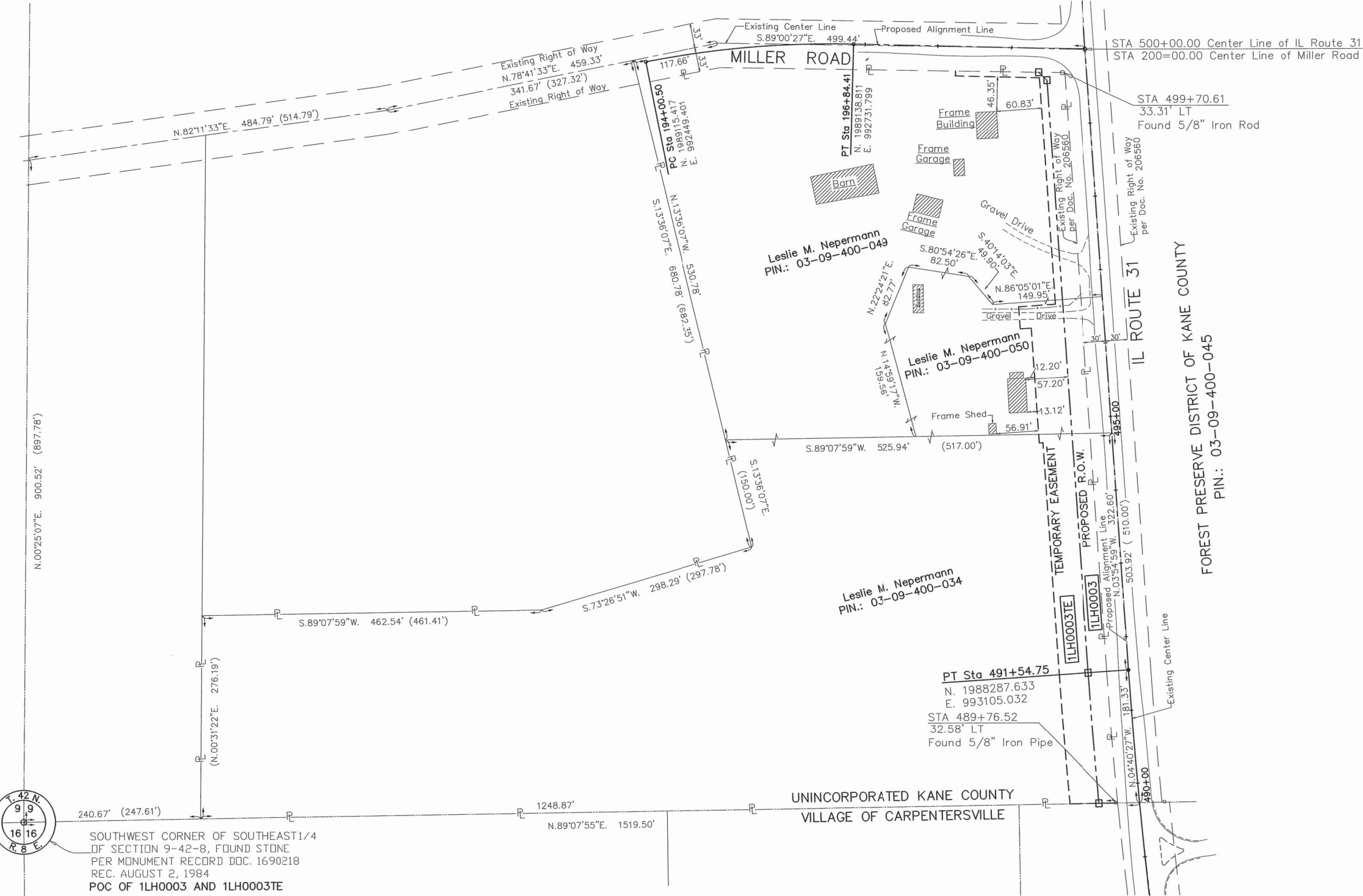
RECEIVED
NOV 16 2015
PLATS & LEGALS

REVISION DATE: / /
REVISION MADE BY:

PARTS OF THE SE 1/4 OF SECTION 9 AND NE 1/4 OF SECTION 16, TWP. 42 N., R. 8 E. OF THE 3RD. P.M.,
KANE COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
1LH0003 1LH0003TE	26.890	0.576	N/A	26.314	0.746	N/A	03-09-400-034 03-09-400-049 03-09-400-050

TOTAL HOLDING PARCELS:
1LH0003
1LH0003TE



LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPROXIMATE PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING

129.32'
129.32' (COMP)
(129.32')

0 80 160
SCALE: 1" = 80'

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994325. AREAS SHOWN ON THIS PLAT ARE GROUND. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- ⊕ "MAG" OR "PK" NAIL SET OR FOUND
- 5/8" REBAR SET

STATE OF ILLINOIS)
COUNTY OF KANE) SS

THIS IS TO CERTIFY THAT WE, ASM CONSULTANTS, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-6014, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 9 & 16, TOWNSHIP 42 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT PLANO, ILLINOIS THIS 11th DAY OF SEPTEMBER, 2015 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-3377
LICENSE EXPIRATION DATE: 11/30/2016.

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ADVANCED SURVEYING & MAPPING

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PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMIT: IL ROUTE 31
AT MILLER ROAD
COUNTY: KANE
JOB NO.: R-91-028-13

SECTION:
STA. 481+80.00 TO STA. 506+00.00
SCALE: 1" = 50'

SHEET 5 OF 7 SHEETS

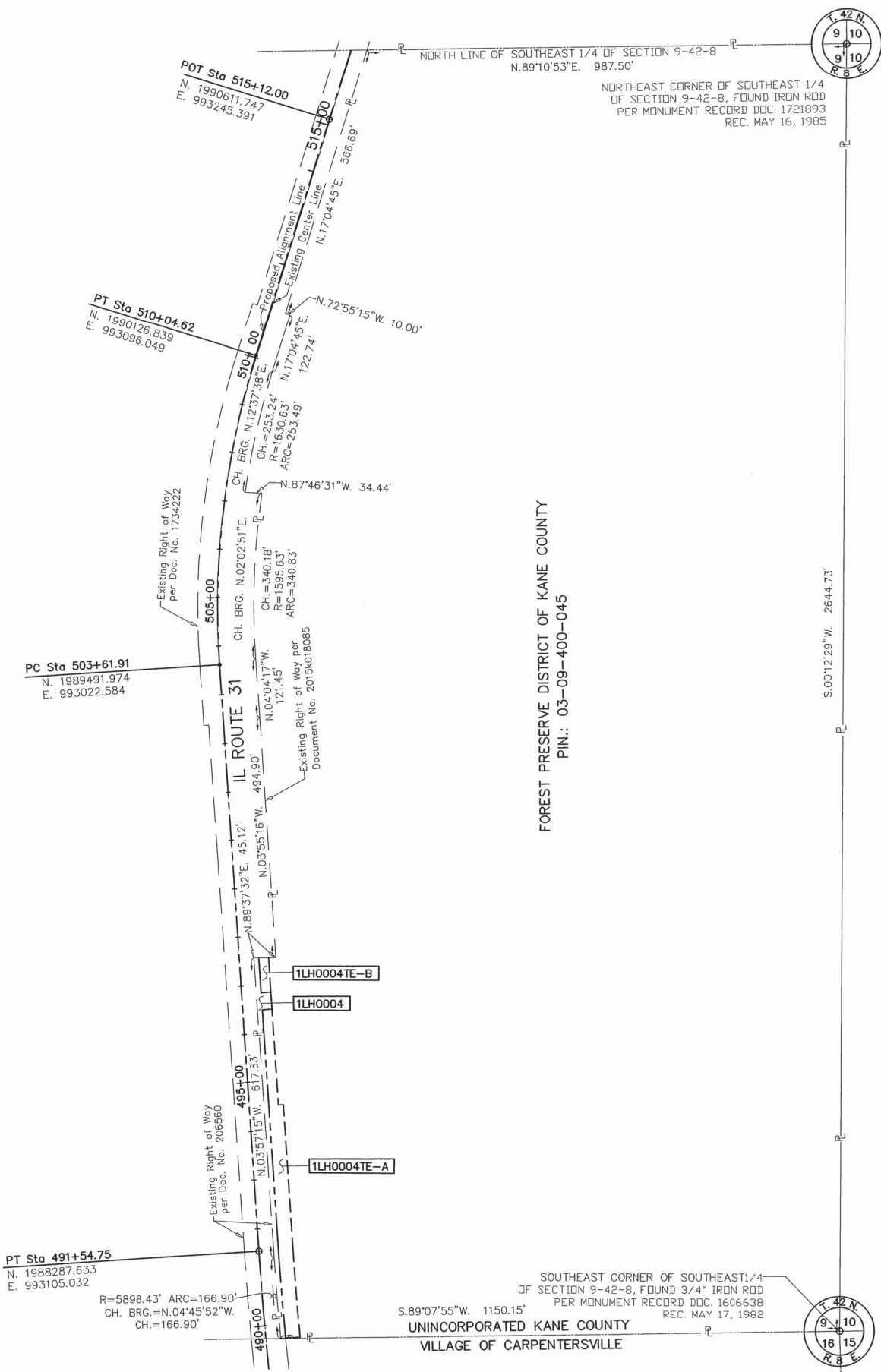
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

TOTAL SHEETS NO.
76 39

SOUTHWEST CORNER OF SOUTHEAST 1/4 OF SECTION 9-42-8, FOUND STONE PER MONUMENT RECORD DOC. 1690218 REC. AUGUST 2, 1984 POC OF 1LH0003 AND 1LH0003TE

PARTS OF THE SE 1/4 OF SECTION 9 AND NE 1/4 OF SECTION 16, TWP. 42 N., R. 8 E. OF THE 3RD. P.M., KANE COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
1LH0004	70.726	0.195	N/A	70.531	0.417	N/A	03-09-400-045
1LH0004TE-A			N/A		0.033	N/A	
1LH0004TE-B			N/A			N/A	



TOTAL HOLDING PARCELS:
1LH0004
1LH0004TE-A
1LH0004TE-B

5

4

8

9

SECTION CORNER

5

4

8

9

QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

APL APL APPARENT PROPERTY LINE

EXISTING CENTERLINE

PROPOSED CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED EASEMENT

EXISTING ACCESS CONTROL LINE

PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION

129.32' (129.32') COMPUTED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

0

150

300

SCALE: 1" = 150'

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994325. AREAS SHOWN ON THIS PLAT ARE GROUND. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

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■ M

●

□

IRON PIPE OR ROD FOUND

CUT CROSS FOUND OR SET

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)) SS

COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ASM CONSULTANTS, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-6014, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 9 & 16, TOWNSHIP 42 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT PLANO, ILLINOIS THIS th DAY OF SEPTEMBER, 2015 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-3377
LICENSE EXPIRATION DATE: 11/30/2016.

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ADVANCED SURVEYING & MAPPING

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expires 4/30/2017
ASM PROJECT NO. 777-011

PLAT OF HIGHWAYS

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

IL ROUTE 31

LIMIT: IL ROUTE 31 AT MILLER ROAD

COUNTY: KANE

SECTION: STA. 481+80.00 TO STA. 506+00.00

JOB NO.: R-91-028-13

SCALE: 1" = 50'

SHEET 7 OF 7 SHEETS

BUREAU OF LAND ACQUISITION

201 WEST CENTER COURT

SCHAUMBURG, ILLINOIS 60196

TOTAL SHEETS 76

SHEET NO. 41

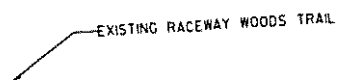
IDOT USE ONLY

RECEIVED

NOV 16 2015 R.C.

PLATS & LEGALS

REVISION DATE: / / REVISION MADE BY:

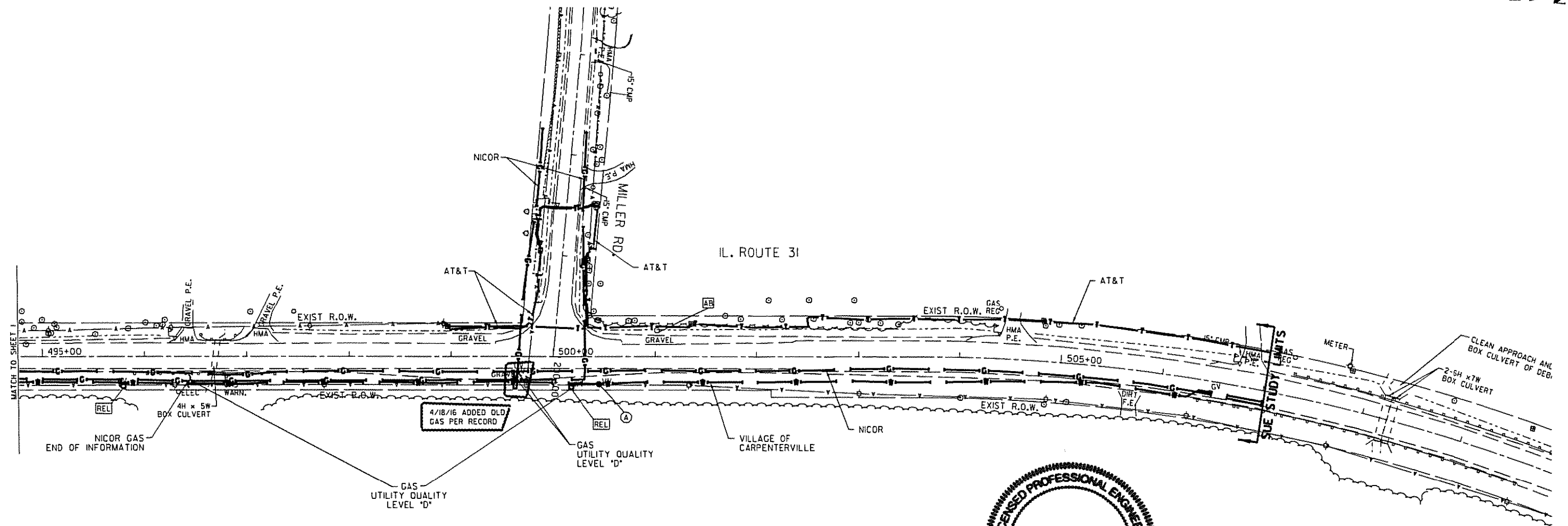


MATCH TO SHEET 2



signature
4/15/16
date
license expires 11-30-2017

<
--



Michael G. Randolph
signature
4/18/16
date

license expires 11-30-2017

- ▲ AERIAL
- UNKNOWN
- OIL
- CTV CABLE TV
- T TELEPHONE
- G GAS
- E ELECTRIC
- TRAFFIC SIGNAL/LIGHTING
- W WATER
- FM FORCE MAIN
- FO FIBER OPTIC
- ⊕ CARDNO TEST HOLE
- {EOI} END OF INFORMATION

UTILITY OWNERS
AT&T - TELEPHONE - FIBER OPTIC
COMCAST - CABLE TV
COMED - ELECTRIC
NICOR - GAS
VILLAGE OF CARPENTERSVILLE - WATER

Utilities shown on these plans as depicted in the legend have been investigated by Cardno in accordance with SUE Industry Standards. All other information shown has been provided to Cardno by others. Cardno's SUE field investigation was performed 3/08/15 through 3/31/16. Changes to utilities after 3/31/16 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B"
UNLESS NOTED OTHERWISE.



CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
21400 W. 110TH AVE., SUITE 100, JOLIET, ILLINOIS 60431
(815) 744-3720 clausen@cwahill.com

TBE Job No. IL09510713
SUE Plan Page: 2 of 2

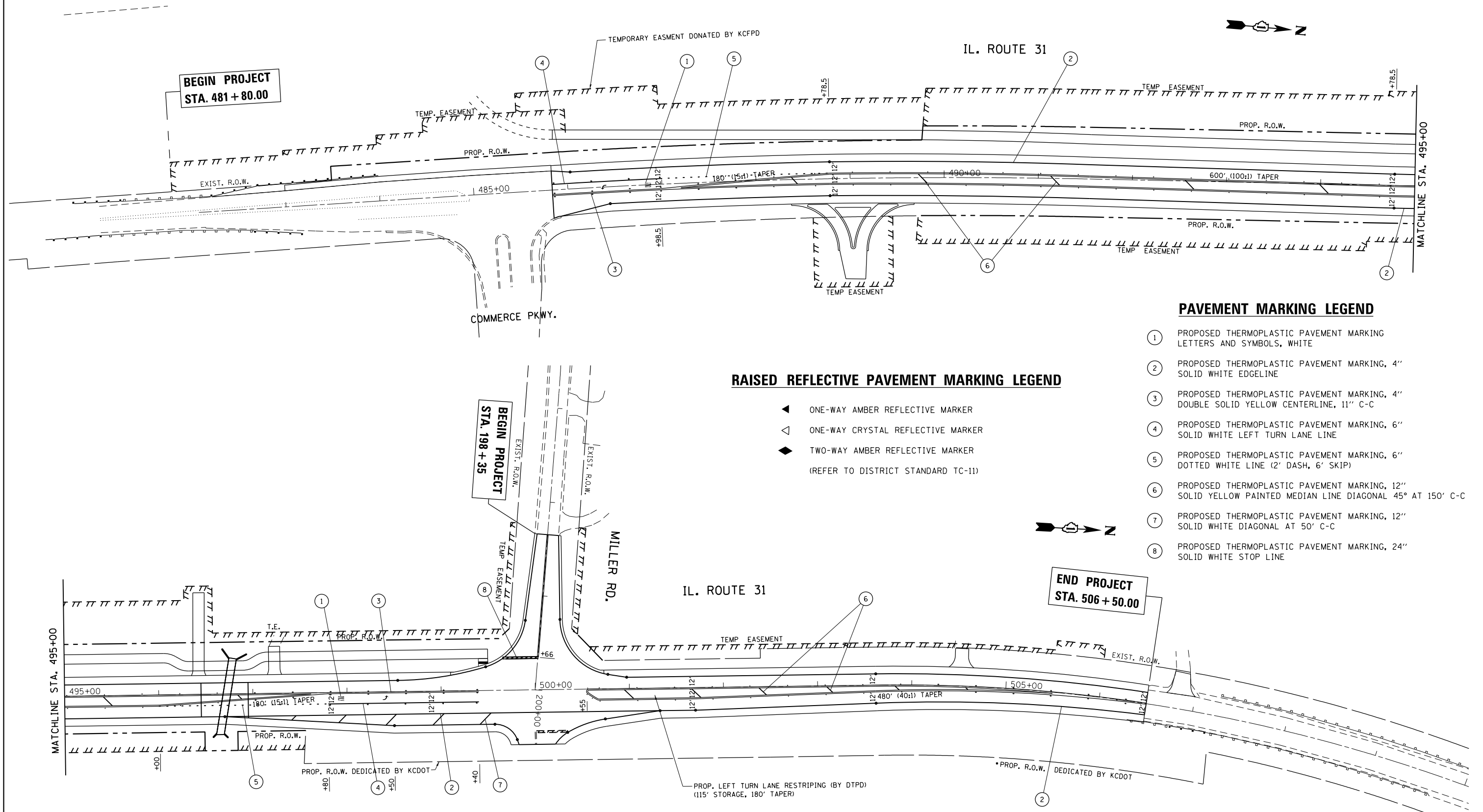
Utility Quality Level "A": Visually Verified Test Hole
Utility Quality Level "B": Designating/non Visually Verified Test Hole
Utility Quality Level "C": Research with Survey
Utility Quality Level "D": Records Research

DESIGNED	IP	REVISED	4/18/16 ADDED GAS PER RECORD
DRAWN	KLC	REVISED	
CHECKED	MGR	REVISED	
DATE	4/04/16	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 31 at Miller Road (Western Ave.) in
Village of Carpentersville, IL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	S-N-1	Kane	76	43
Contract No. 60P66				
FED. ROAD DIST. NO. ILLINOIS DOT Project No.				



RAISED REFLECTIVE PAVEMENT MARKING LEGEND

- ◀ ONE-WAY AMBER REFLECTIVE MARKER
- ◁ ONE-WAY CRYSTAL REFLECTIVE MARKER
- ◆ TWO-WAY AMBER REFLECTIVE MARKER
- (REFER TO DISTRICT STANDARD TC-11)

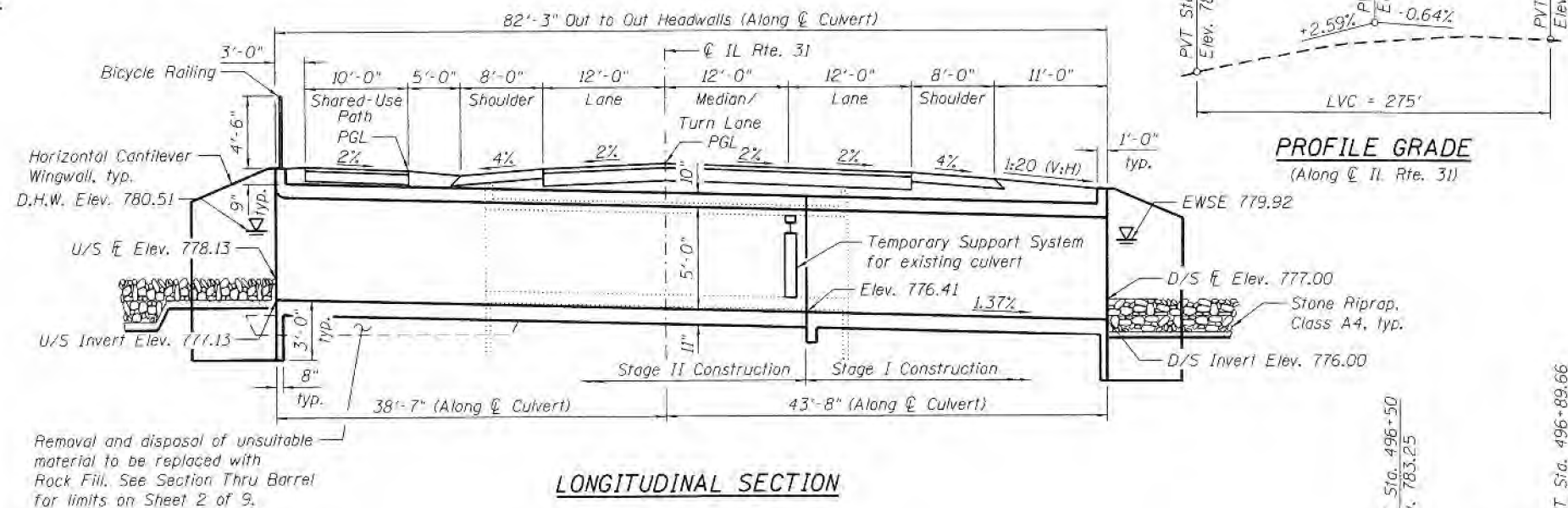
PAVEMENT MARKING LEGEND

- ① PROPOSED THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE
- ② PROPOSED THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE EDGELINE
- ③ PROPOSED THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 11" C-C
- ④ PROPOSED THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LEFT TURN LANE LINE
- ⑤ PROPOSED THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE (2' DASH, 6' SKIP)
- ⑥ PROPOSED THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW PAINTED MEDIAN LINE DIAGONAL 45° AT 150' C-C
- ⑦ PROPOSED THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL AT 50' C-C
- ⑧ PROPOSED THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP LINE

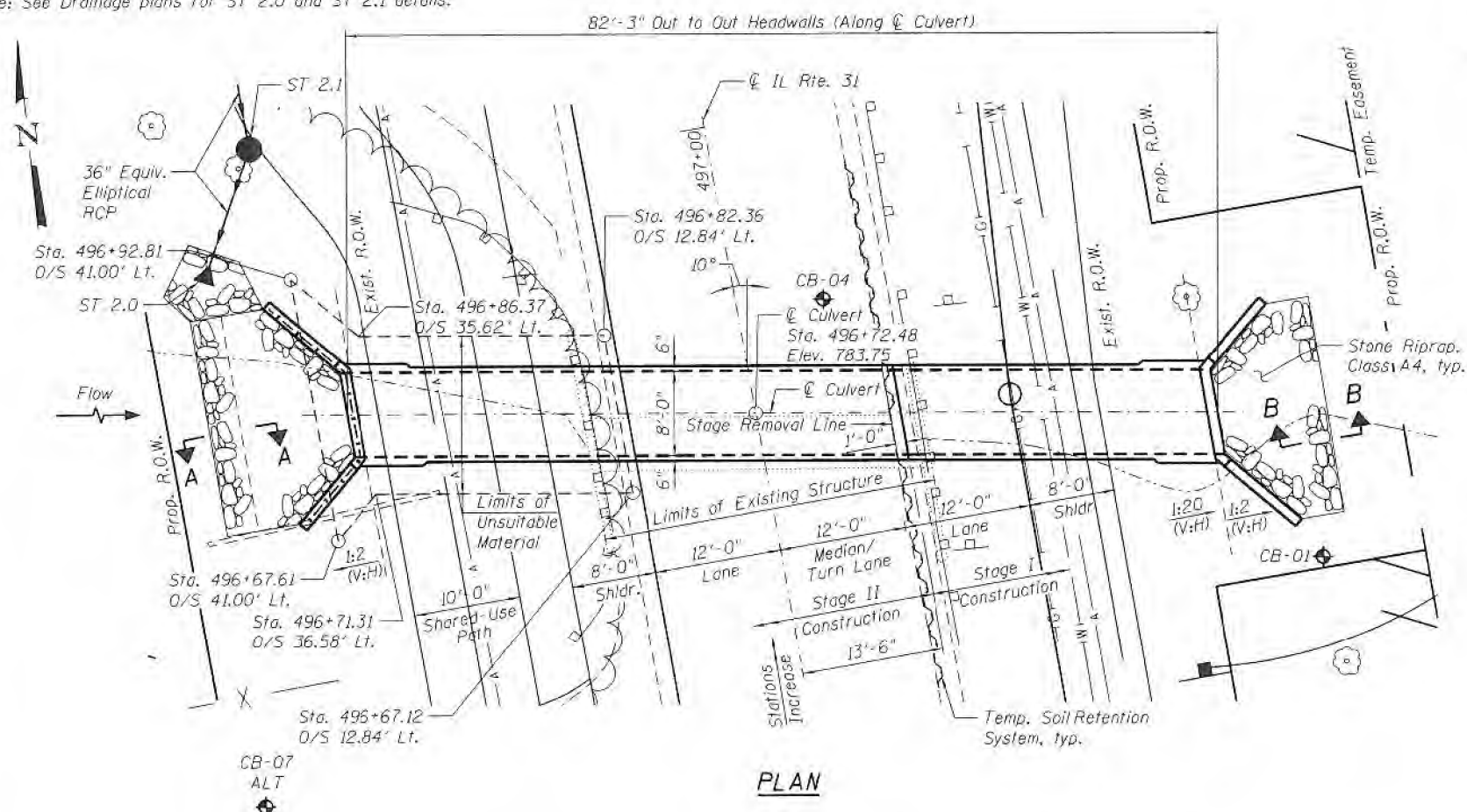
FILE NAME =	USER NAME = Bilgramis	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 at MILLER RD. PROPOSED PAVEMENT MARKING				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBID\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI44609\GAD\Drawings\PI44609-shr-pmk.dgn		CHECKED -	REVISED -						3887	S-N-1	KANE	76	44
Default	PLOT SCALE = 100.0000 ' / in.	DATE -	REVISED -		CONTRACT NO. 60P66								
	PLOT DATE = 5/10/2018	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



No Salvage.



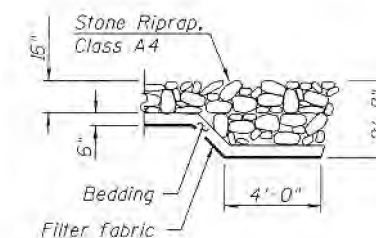
Note: See Drainage plans for ST 2.0 and ST 2.1 details.



WATERWAY INFORMATION

Drainage Area = 0.1045 Sq. Mi.		Existing Overtopping Elev. 783.54 at Sta. 496+52 Proposed Overtopping Elev. 783.54 at Sta. 496+52							
Flood	Freq.	0	Opening Sq. Ft.		Nat.	Head - Ft.		Headwater El.	
	Yr.	C.F.S.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
Peak	2	19.1							
	10	46	11.85	18.56	779.76	0.00	0.00	779.64	779.37
Design	50	99	15.60	24.56	780.51	0.58	0.03	781.09	780.54
Base	100	134	17.60	27.76	780.91	1.04	0.22	781.95	781.13
Max. Calc.	500	201	20.90	33.04	781.57	2.00	0.61	783.57	782.18

10 year velocity through existing culvert = 3.8 ft/s
10 year velocity through proposed structure = 2.62 ft/s



DESIGN SPECIFICATIONS
2014 AASHTO LRFD Bridge Design
Specifications, 7th Edition with 2016 Interims

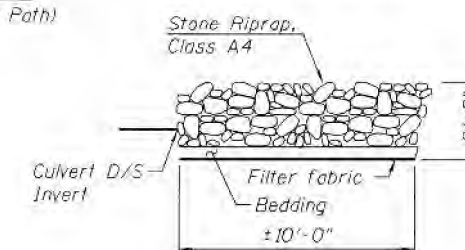
DESIGN STRESSES FIELD UNITS

$f'_c = 3,500 \text{ psi}$
 $f_y = 60,000 \text{ psi (Reinforcement)}$
PRECAST UNITS

$$\begin{aligned} f'_c &= 6000 \text{ psi} \\ f'_{ci} &= 5000 \text{ psi} \end{aligned}$$

LOADING HL-93

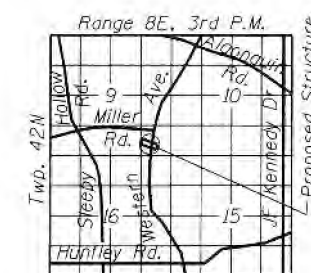
Allow 50#/sq. ft. for future wearing surface.



SECTION B-B



DATE SIGNED: 01/05/2018
EXP. DATE: 11/30/2018



GENERAL PLAN
IL RTE. 31 (WESTERN AVENUE)
OVER DITCH
F.A.U. RTE. 3887-SEC. S-N-1
KANE COUNTY
STATION 496+72.48
STRUCTURE NO. 045-0335



USER NAME = sapant
PLOT SCALE = 16.0000
PLOT DATE = 1/5/2018

DESIGNED	-	SAT
CHECKED	-	JMT
DRAWN	-	SAT
CHECKED	-	JMT

REVISED
REVISED
REVISED
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
STRUCTURE NO. 045-0335

SHEET NO. 1 OF 9 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	S-N-1	KANE	76	47
		CONTRACT NO. 60P66		
ILLINOIS FED. AID PROJECT				

ILLINOIS		FED. AID PROJECT
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FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DURN\130161 - WD 9 Contract No. 60P66\CAD\CADD Sheets\Structural\045-0335-60P66-02-Can Notes and Index.dgn

SCOPE OF WORK

- Construct Temporary Pavement on the west side of the roadway.
- Fill the voids behind the culvert sidewalls using CLSM to avoid failure of pavement during construction.
- Install Temporary Support System in the existing culvert and install Temporary Soil Retention System at Stage removal line outside of culvert walls as directed by the Engineer.
- Remove existing roadway and culvert for Stage I Removal.
- Construct proposed culvert, wingwalls and temporay pavement for Stage I Construction.
- Shift traffic to the east over newly constructed portion of the culvert for Stage II Removal.
- Remove remaining roadway and culvert for Stage II Removal.
- Construct proposed culvert and wingwalls for Stage II Construction.
- Remove temporary pavement.
- Re-establish the flow through new culvert and open the road to the traffic.

INDEX OF SHEETS

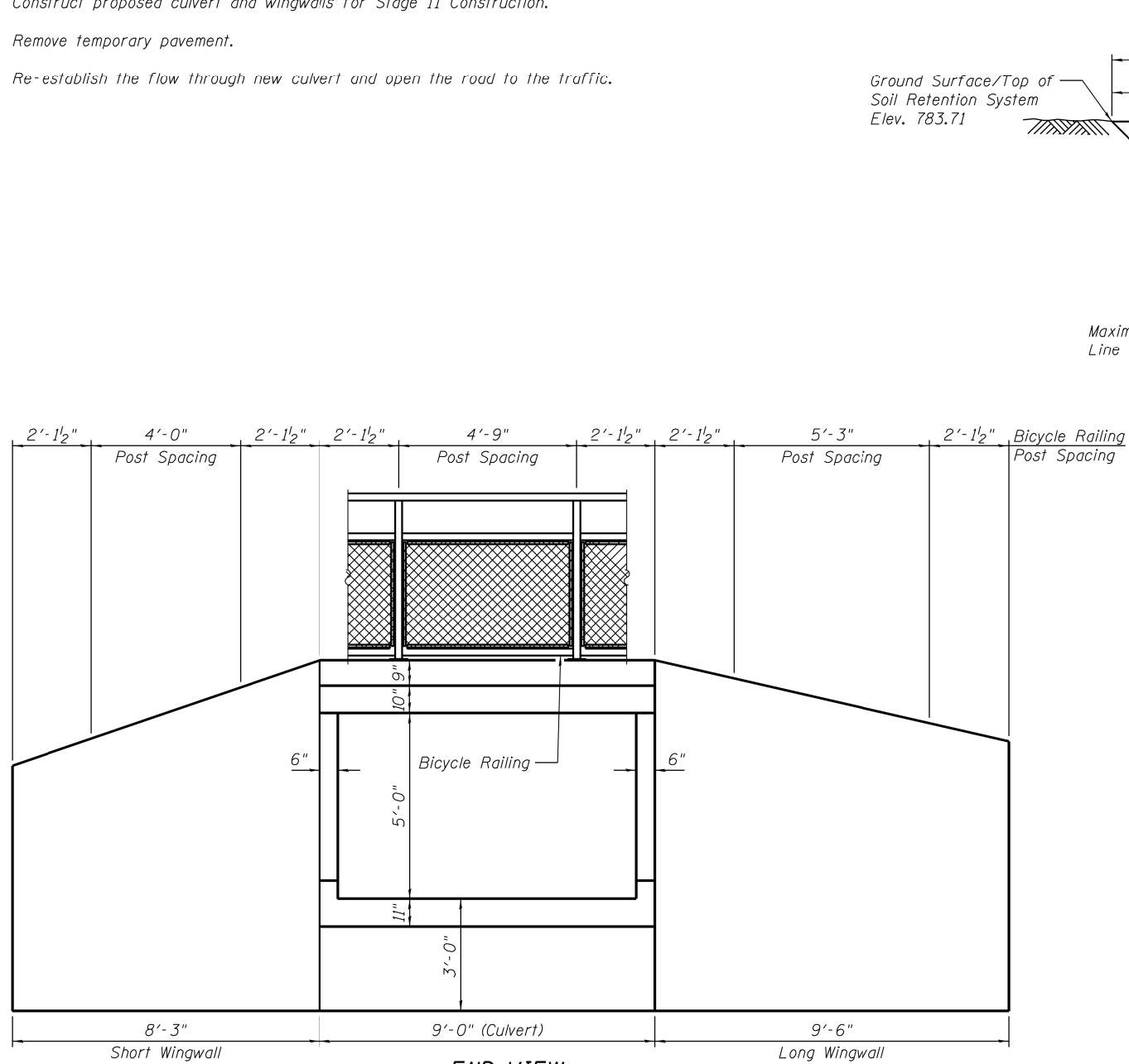
- General Plan
- General Notes, Index of Sheets and Total Bill of Materials
- Stage Construction Details
- Temporary Concrete Barrier For Stage Construction
- Temporary Support and CLSM Details
- Culvert Plan and Details
- Bicycle Railing
- Bar Splicer Assembly And Mechanical Splicer Details
- Boring Logs

GENERAL NOTES

- Reinforcement bars designated (E) shall be epoxy coated.
- All excavation required for construction of the culvert as shown in the plans and in accordance with the Standard Specifications shall be included in the cost for Concrete Box Culverts.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- Concrete Sealer shall be applied to the top and outside face face of the horizontal cantilever wingwalls.

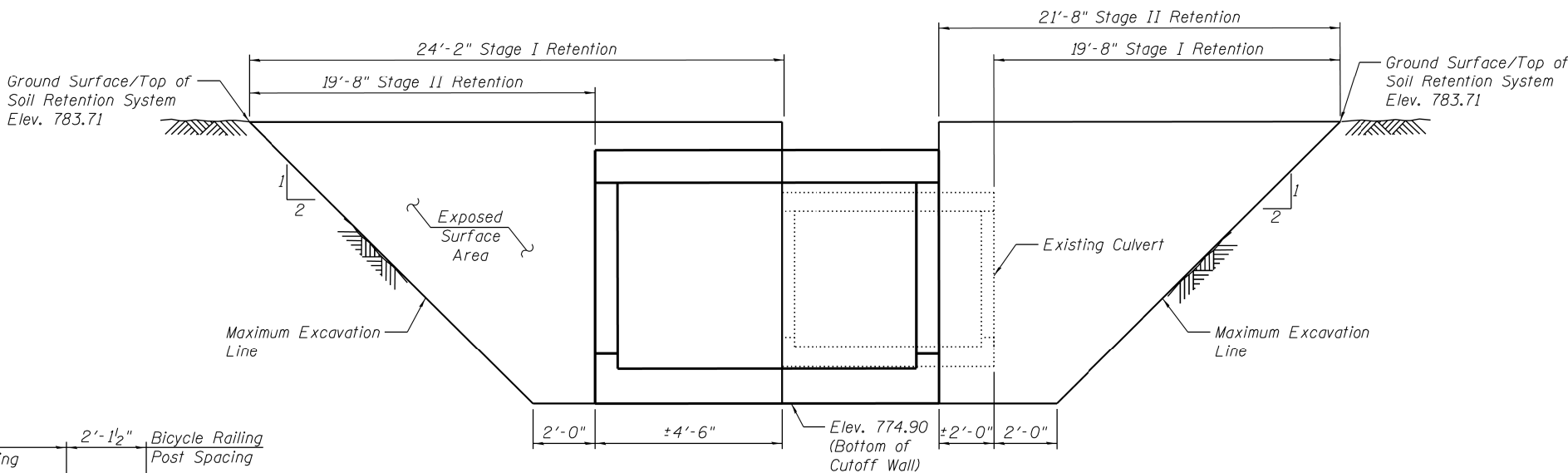
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	423
Stone Riprap, Class A4	Sq. Yd.	50
Filter Fabric	Sq. Yd.	50
Removal of Existing Structures	Each	1
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	13.0
Reinforcement Bars, Epoxy Coated	Pound	14,590
Bar Splicers	Each	52
Bicycle Railing	Foot	27
Temporary Soil Retention System	Sq. Ft.	259
Concrete Box Culverts	Cu. Yd.	76.7
Concrete Sealer	Sq. Ft.	329
Controlled Low-Strength Material	Cu. Yd.	4.2
Membrane Waterproofing for Culverts	Sq. Yd.	101
Rock Fill	Cu. Yd.	13.0
Temporary Support System	L. Sum	1



END VIEW

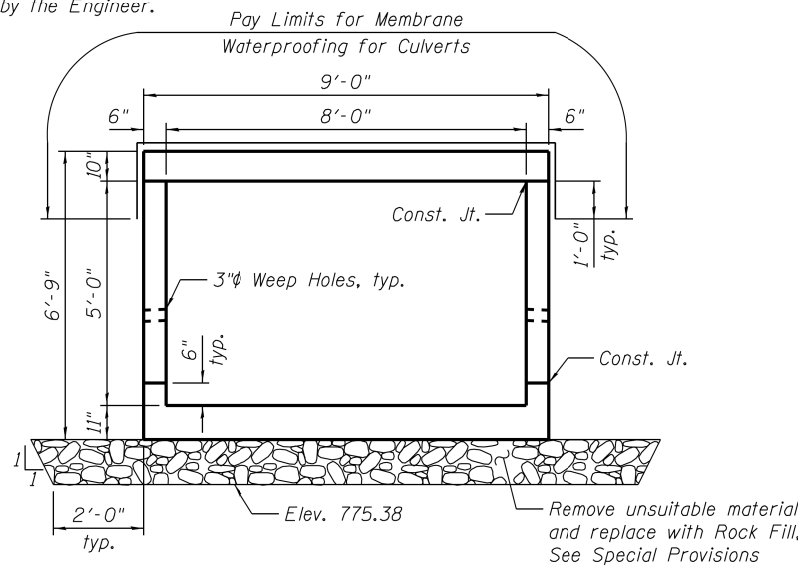
(Upstream End)



TEMPORARY SOIL RETENTION SYSTEM

(Looking East)

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a Temporary Soil Retention System design including plan details and calculations for review and acceptance by the Engineer.



SECTION THRU BARREL

(At Right L's to C Culvert)



USER NAME = sapant	DESIGNED - SAT	REVISED
	CHECKED - JMT	REVISED
PLOT SCALE = 5.3333' / in.	DRAWN - SAT	REVISED
PLOT DATE = 12/28/2017	CHECKED - JMT	REVISED

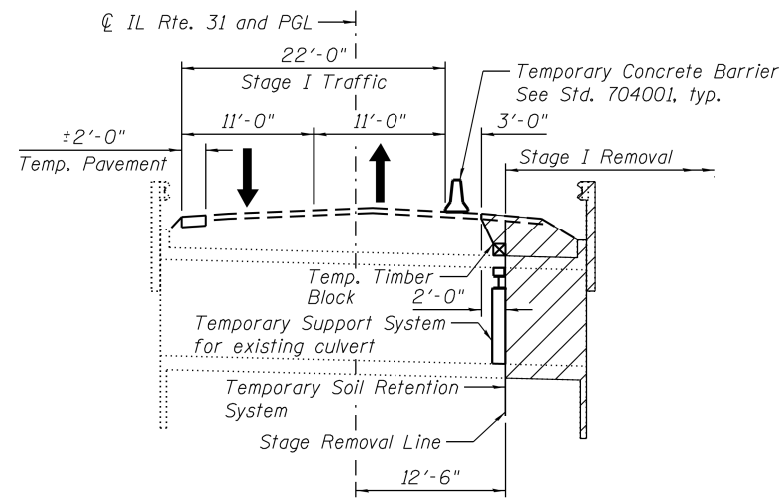
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, INDEX OF SHEETS AND TOTAL BILL OF MATERIALS
STRUCTURE NO. 045-0335

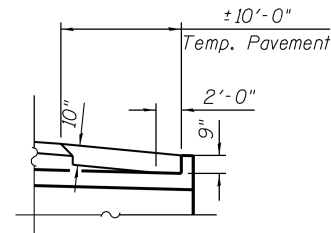
SHEET NO. 2 OF 9 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	S-N-1	KANE	76	48
CONTRACT NO. 60P66				
ILLINOIS FED. AID PROJECT				

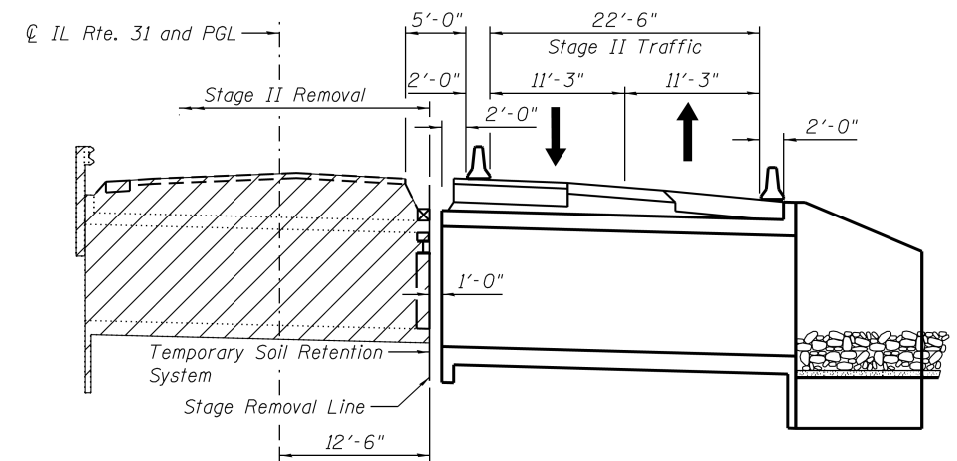
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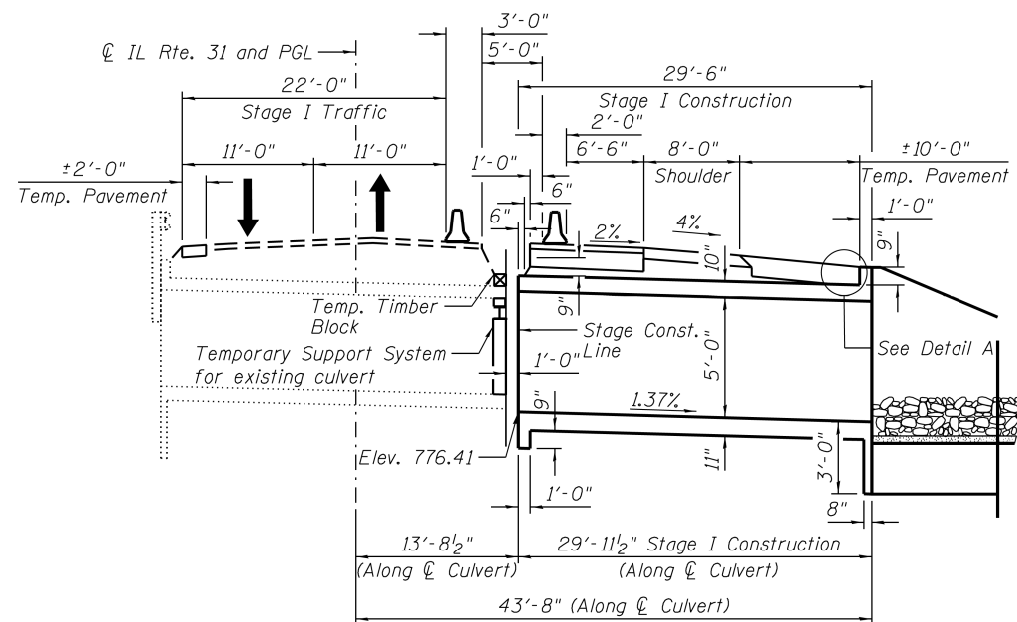
STAGE I REMOVAL



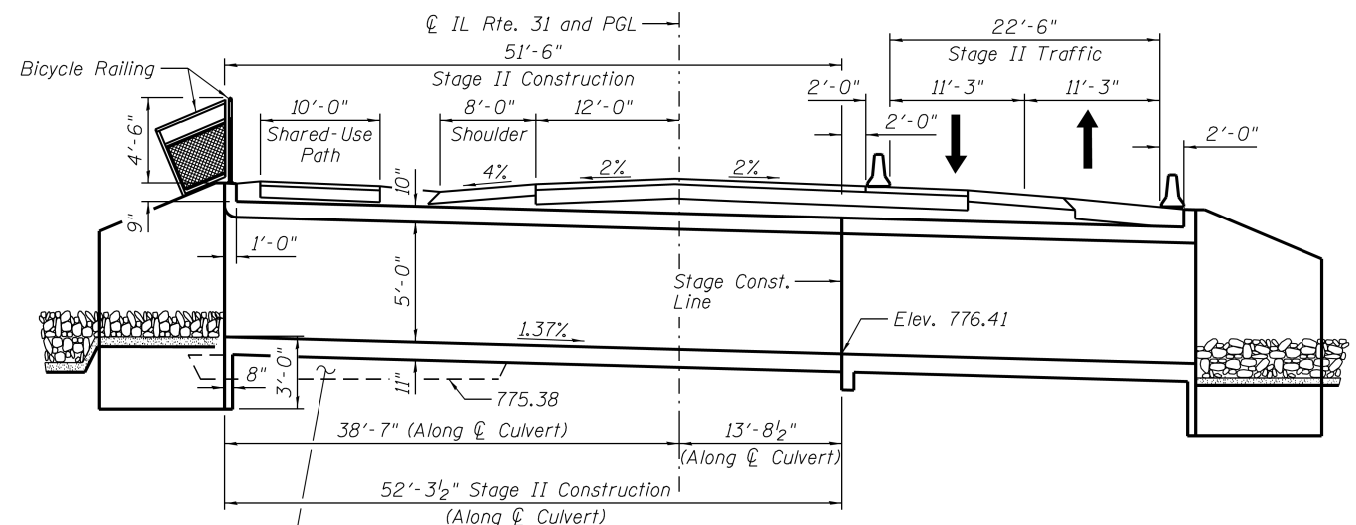
DETAIL A



STAGE II REMOVAL



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION

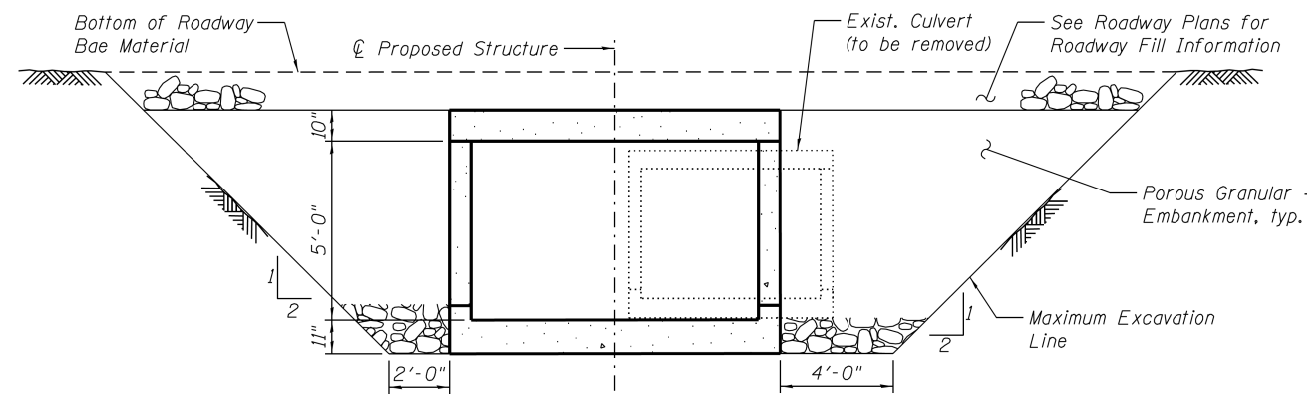
Removal and disposal of unsuitable material to be replaced with Rock Fill. See Section Thru Barrel for limits on Sheet 2 of 9.

NOTES:

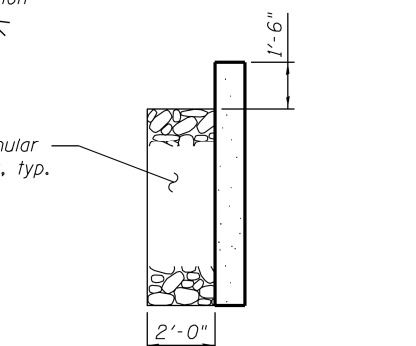
- All sections are looking North.
- For Details of Temporary Concrete Barrier, see Sheet 4 of 9.
- Temporary Pavement for Stage I Traffic shall be constructed in Pre-Stage I.
- Temporary Pavement for Stage II Traffic shall be constructed in Stage I Construction and shall be removed after Stage II Construction and graded for the proposed condition.
- Excavation for construction of the box culvert and the wingwalls, including the excavation necessary to construct the granular backfill, is included with the cost of Concrete Box Culverts.

LEGEND

 Removal of existing structure and roadway



SECTION THRU BARREL



SECTION THRU WINGWALLS



USER NAME = sapant	DESIGNED - SAT	REVISED
CHECKED - JMT	REVISED	
PLOT SCALE = 5.3333' / in.	DRAWN - SAT	REVISED
PLOT DATE = 12/28/2017	CHECKED - JMT	REVISED

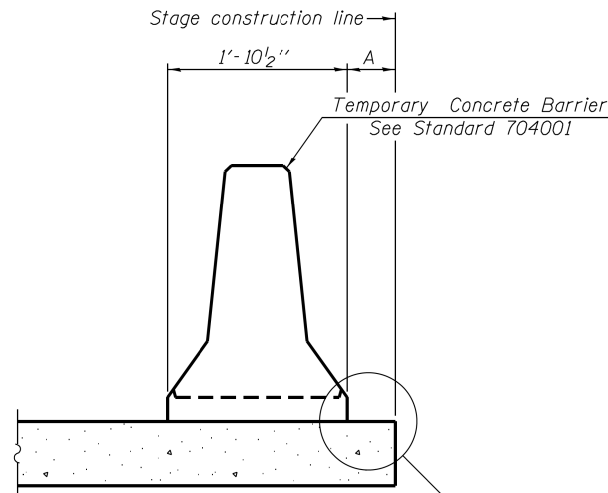
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 045-0335**

SHEET NO. 3 OF 9 SHEETS

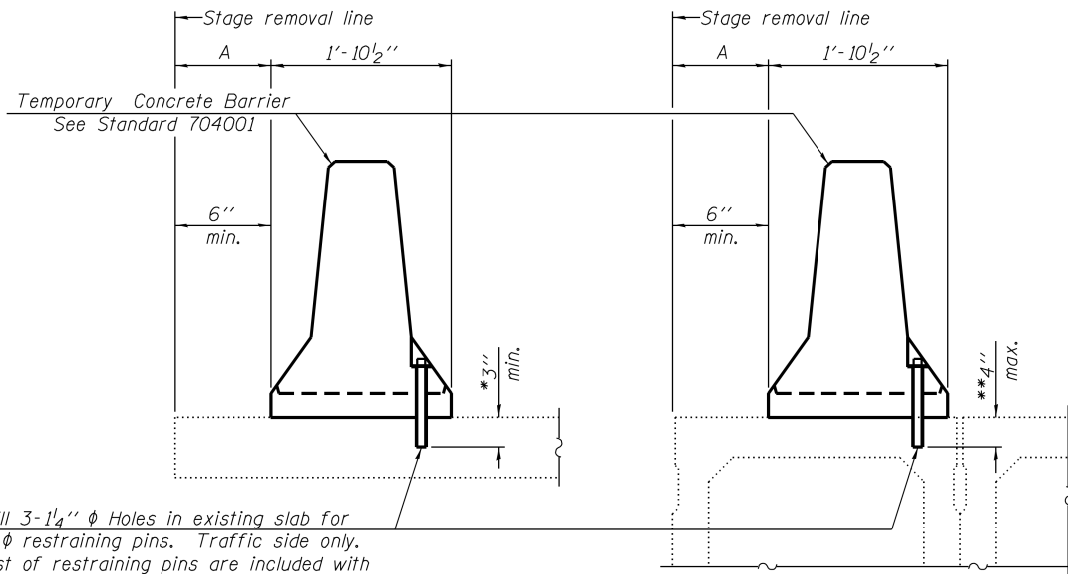
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	S-N-1	KANE	76	49
CONTRACT NO. 60P66				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DUR\130161 - MO 9 Contract No. 60P66\CA00\CA00 Sheets\Structural\045-0335-60P66-04-Temp Conc Barrier.dgn



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I or Detail II. No restraint is required when "A" is greater than 3'-1".

NEW SLAB

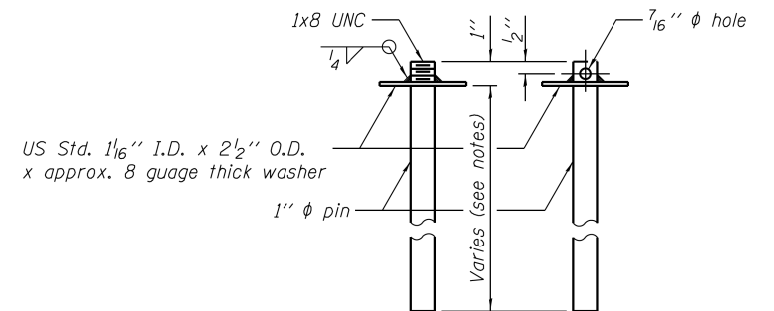


EXISTING SLAB

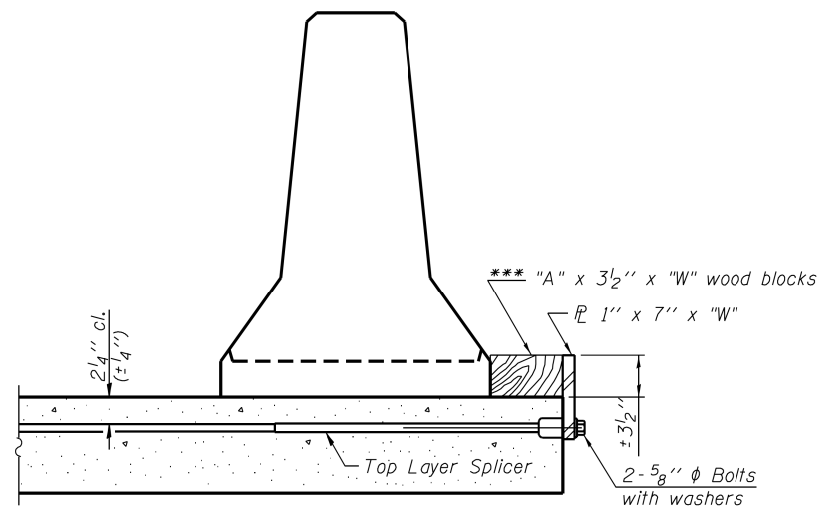
EXISTING DECK BEAM

SECTIONS THRU SLAB OR DECK BEAM

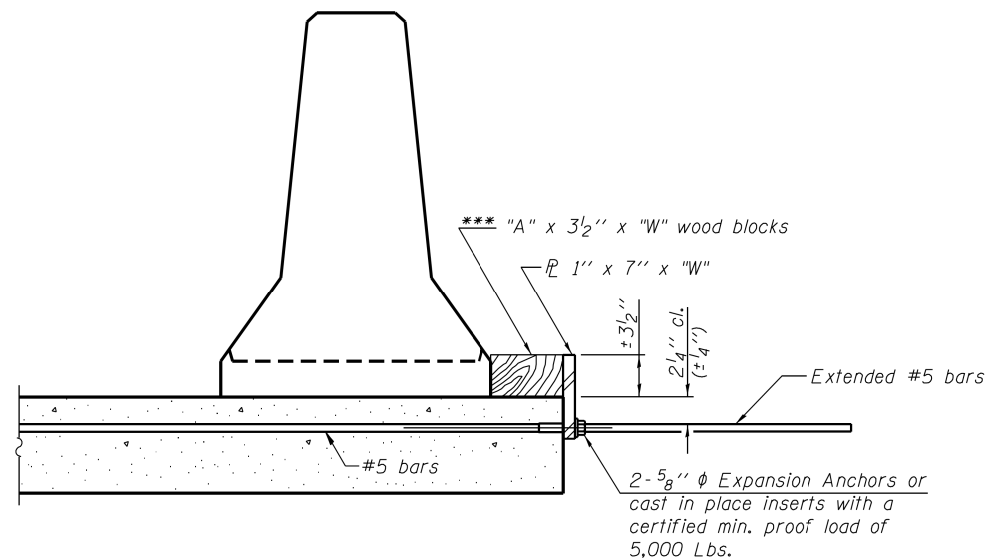
- * Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.
- ** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



RESTRAINING PIN



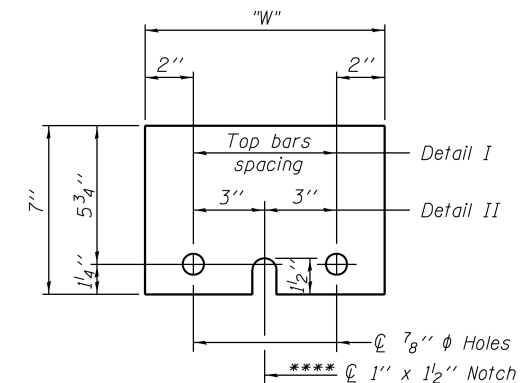
DETAIL I



DETAIL II

RETAINER ASSEMBLY

*** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.



STEEL RETAINER 1" x 7" x "W"

**** Required only with Detail II

NOTES

- Detail I - With Bar Splicer or Couplers:
Connect one (1) 1" x 7" x "W" steel plate to the top layer of couplers with 2-5/8" phi bolts screwed to coupler at approximate center of each barrier panel.
- Detail II - With Extended Reinforcement Bars:
Connect one (1) 1" x 7" x "W" steel plate to the concrete slab or concrete wearing surface with 2-5/8" phi Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate center of each barrier panel.
- Cost of retainer assembly is included with Temporary Concrete Barrier. The 1" x 7" x "W" plate shall not be removed until stage construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

R-27

2-19-16



USER NAME = sapant	DESIGNED - SAT	REVISED
	CHECKED - JMT	REVISED
PLOT SCALE = 0.1667' / 1" in.	DRAWN - SAT	REVISED
PLOT DATE = 12/28/2017	CHECKED - JMT	REVISED

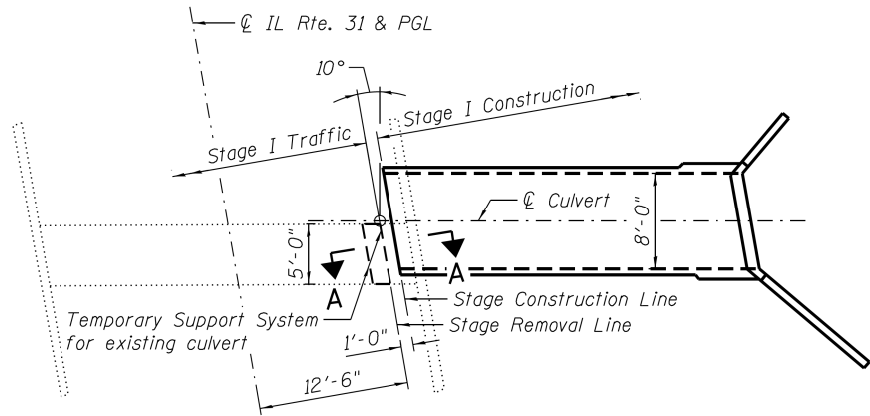
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 045-0335

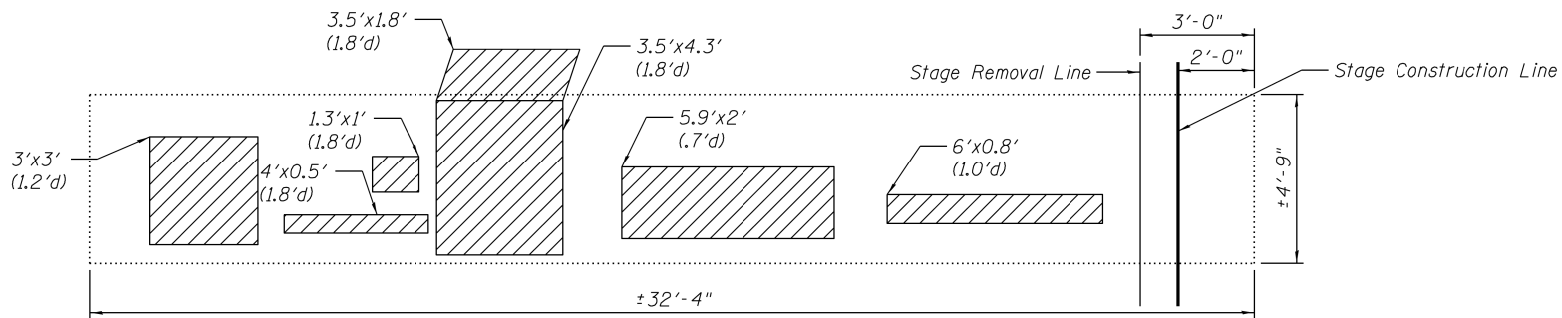
SHEET NO. 4 OF 9 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	S-N-1	KANE	76	50
CONTRACT NO. 60P66				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DURN\30161 - WD 9 Contract No. 60P66\CA00\CA00 Sheets\Structural\045-0335-60P66-05-Temp Support and CLSM.dgn

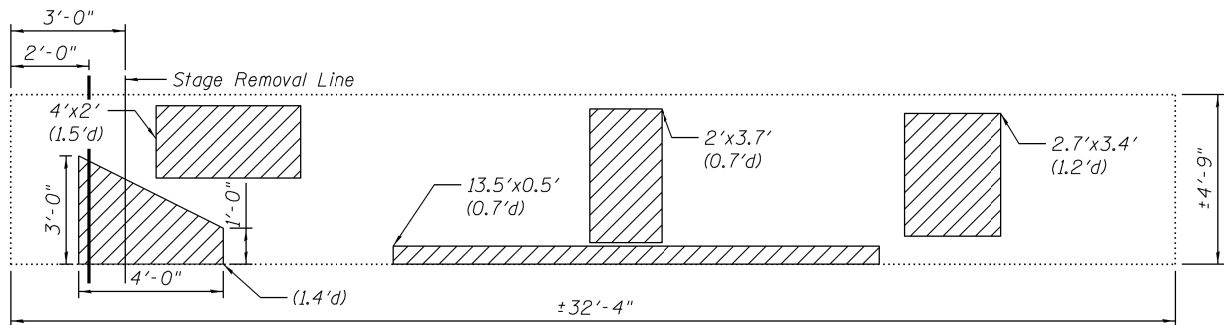


PLAN



ELEVATION

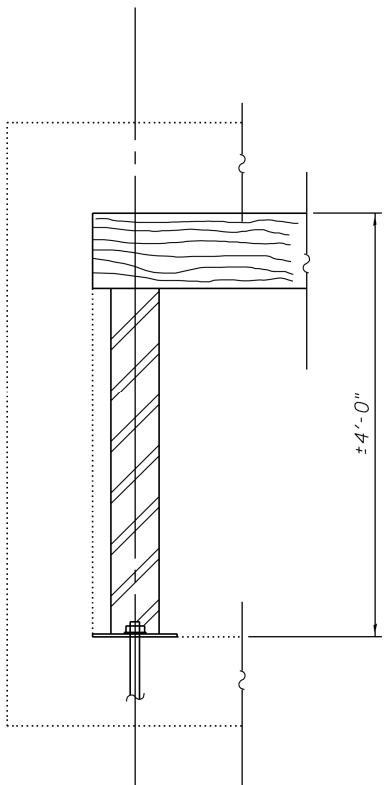
(North Wall)



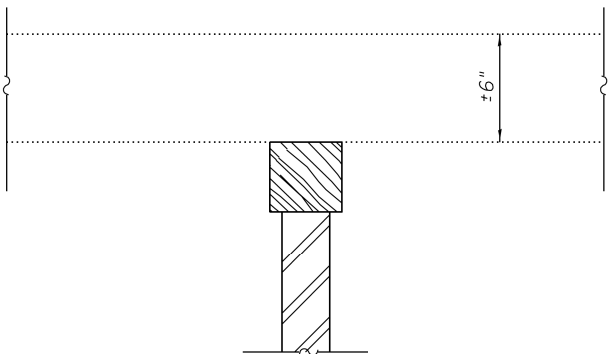
ELEVATION

(South Wall)

SIDEWALL REPAIR DETAILS



SECTION AT CULVERT WALLS



SECTION A-A

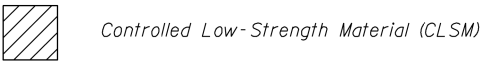
GENERAL NOTES

1. The Contractor shall submit a Temporary Support System design. See special provision for Temporary Support System.
2. System shall be designed to remain in place and function under design flows.
3. Temporary Support System shall be installed in such a way that it should provide a minimum of 82% of the cross sectional opening of the existing culvert.
4. Areas shown for CLSM are approximate. Actual area may be different based on the field conditions at the time of construction.
5. CLSM work to be performed prior to installing the Temporary Support System.
6. Dimensions indicated such as (1.0'd) shows the depth of deterioration in sidewalls.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Controlled Low-Strength Material	Cu. Yd.	4.2
Temporary Support System	L. Sum	1

LEGEND



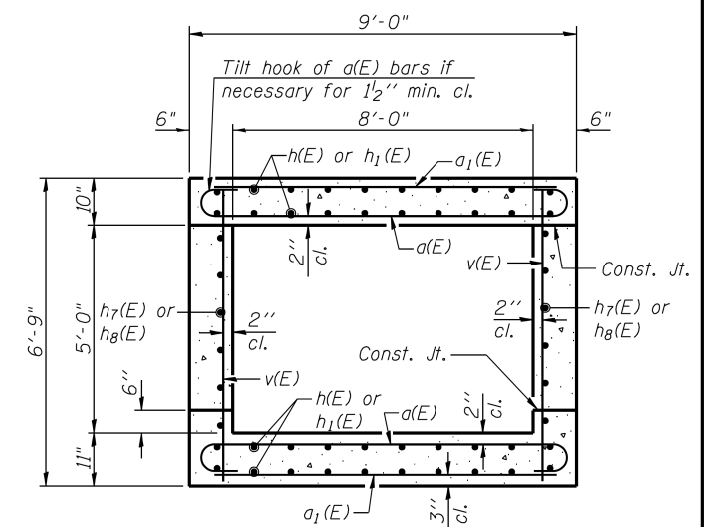
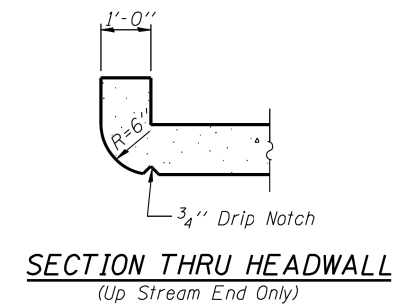
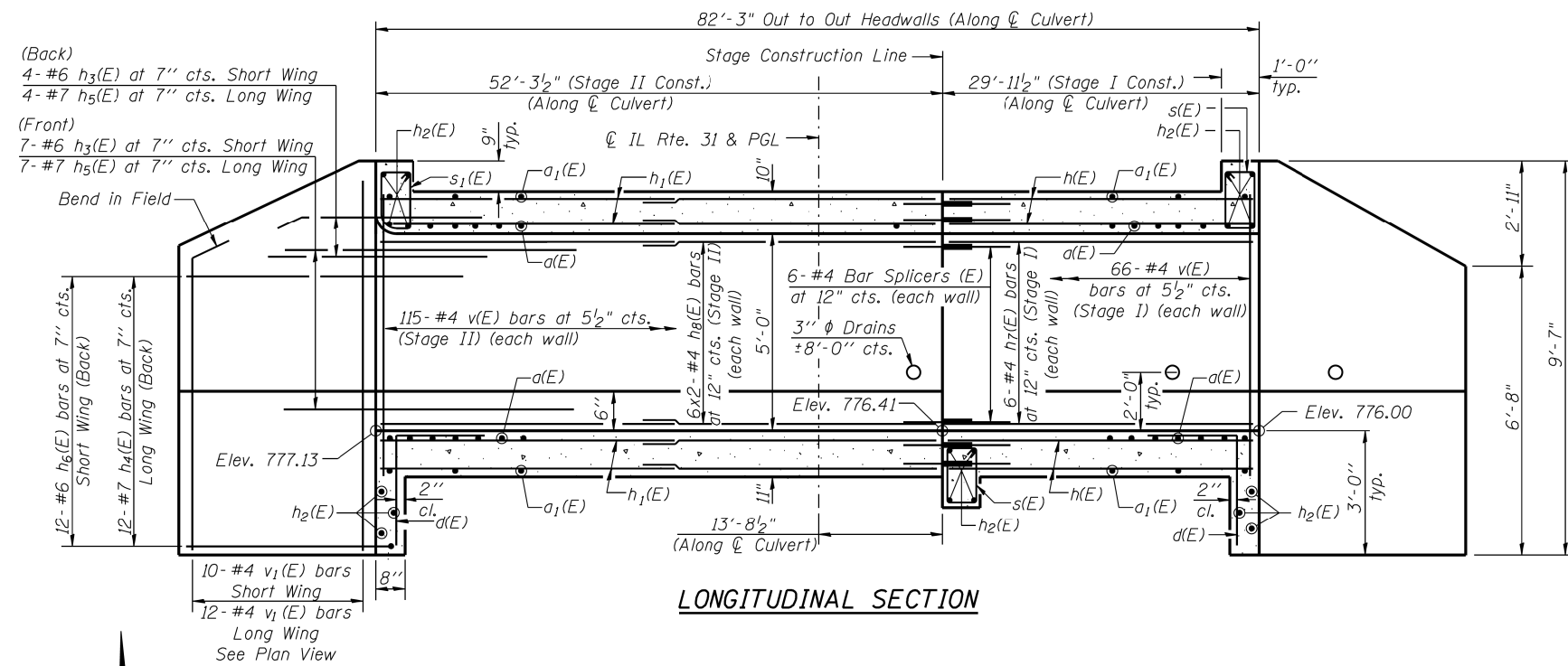
USER NAME = sapant	DESIGNED - SAT	REVISED
	CHECKED - JMT	REVISED
PLOT SCALE = 5.3333' / 1"	DRAWN - SAT	REVISED
PLOT DATE = 12/28/2017	CHECKED - JMT	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY SUPPORT AND CLSM DETAILS
STRUCTURE NO. 045-0335

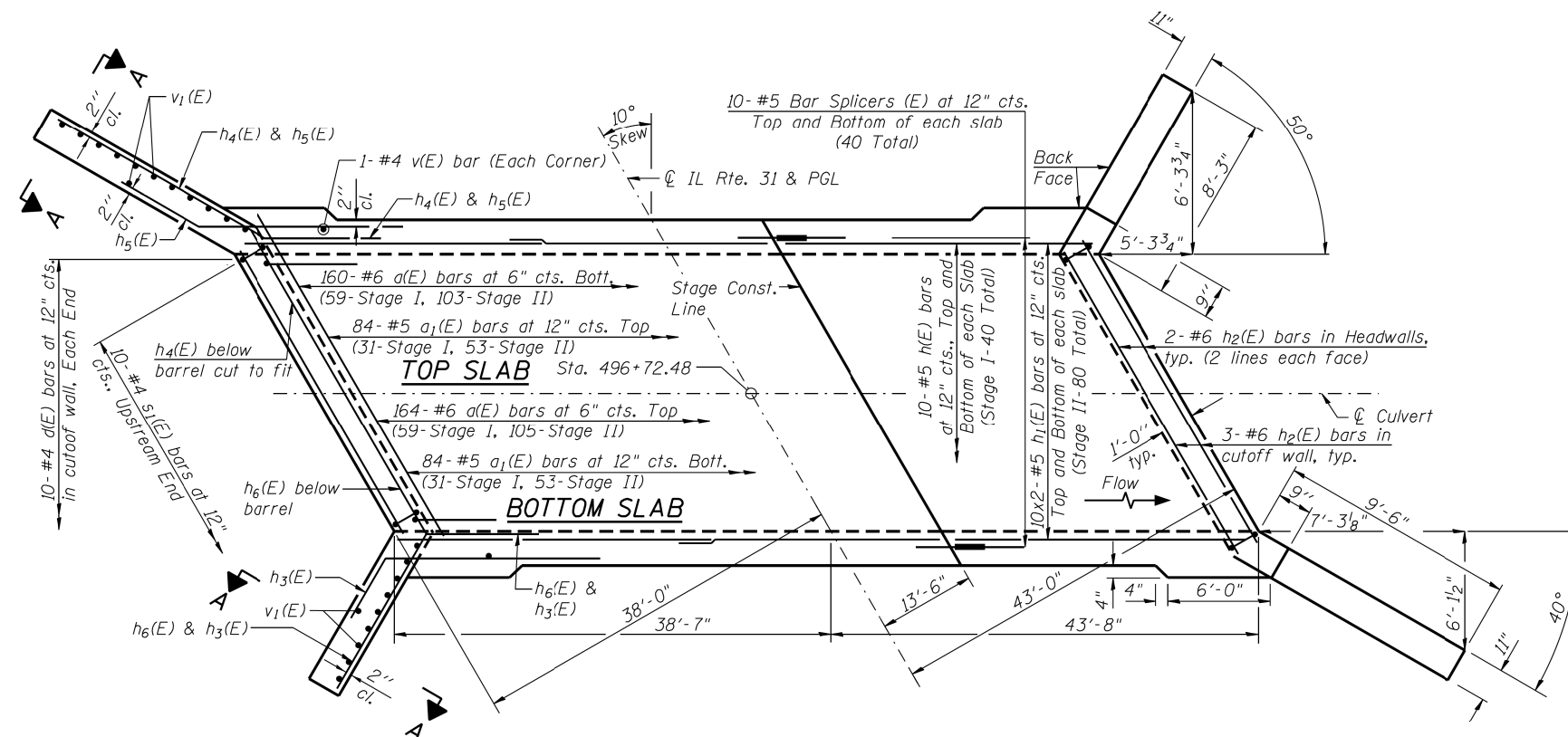
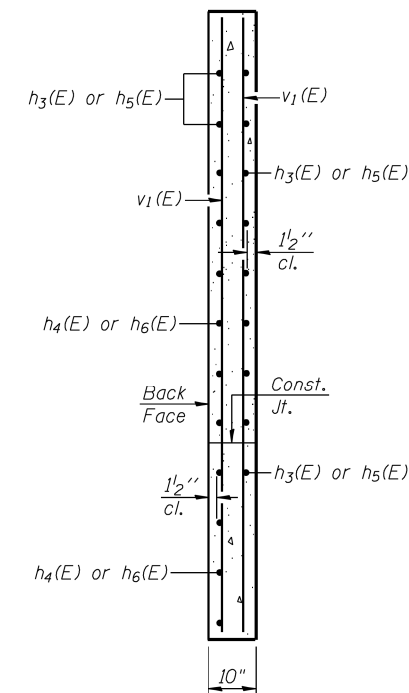
SHEET NO. 5 OF 9 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	S-N-1	KANE	76	51
CONTRACT NO. 60P66				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
<i>a(E)</i>	326	#6	10'-2"	
<i>a₁(E)</i>	168	#5	8'-10"	
<i>d(E)</i>	20	#4	4'-6"	
<i>h(E)</i>	40	#5	29'-8"	
<i>h₁(E)</i>	80	#5	27'-4"	
<i>h₂(E)</i>	18	#6	8'-10"	
<i>h₃(E)</i>	22	#6	8'-0"	
<i>h₄(E)</i>	24	#7	12'-6"	
<i>h₅(E)</i>	22	#7	8'-0"	
<i>h₆(E)</i>	24	#6	11'-0"	
<i>h₇(E)</i>	12	#6	29'-8"	
<i>h₈(E)</i>	24	#4	27'-4"	
<i>s(E)</i>	20	#4	4'-7"	
<i>s₁(E)</i>	10	#4	4'-3"	
<i>v(E)</i>	366	#4	6'-5"	
<i>v₁(E)</i>	44	#4	9'-3"	
Reinforcement Bars, Epoxy Coated			Pound	14,590
Bar Splicers			Each	52
Concrete Box Culverts			Cu. Yd.	76.7
Concrete Sealer			Sq. Ft.	329

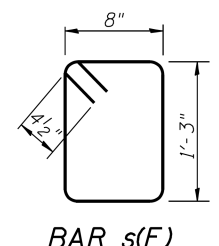
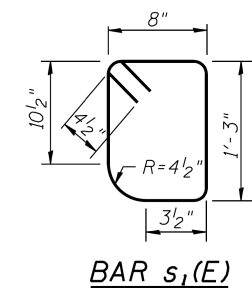
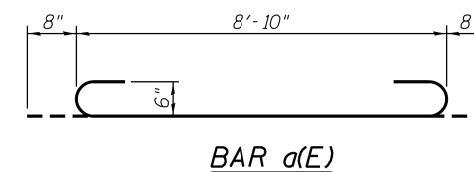
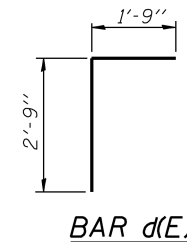
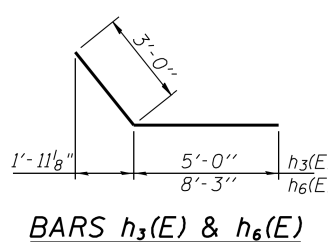
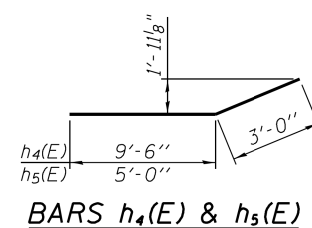


MINIMUM BAR LAP

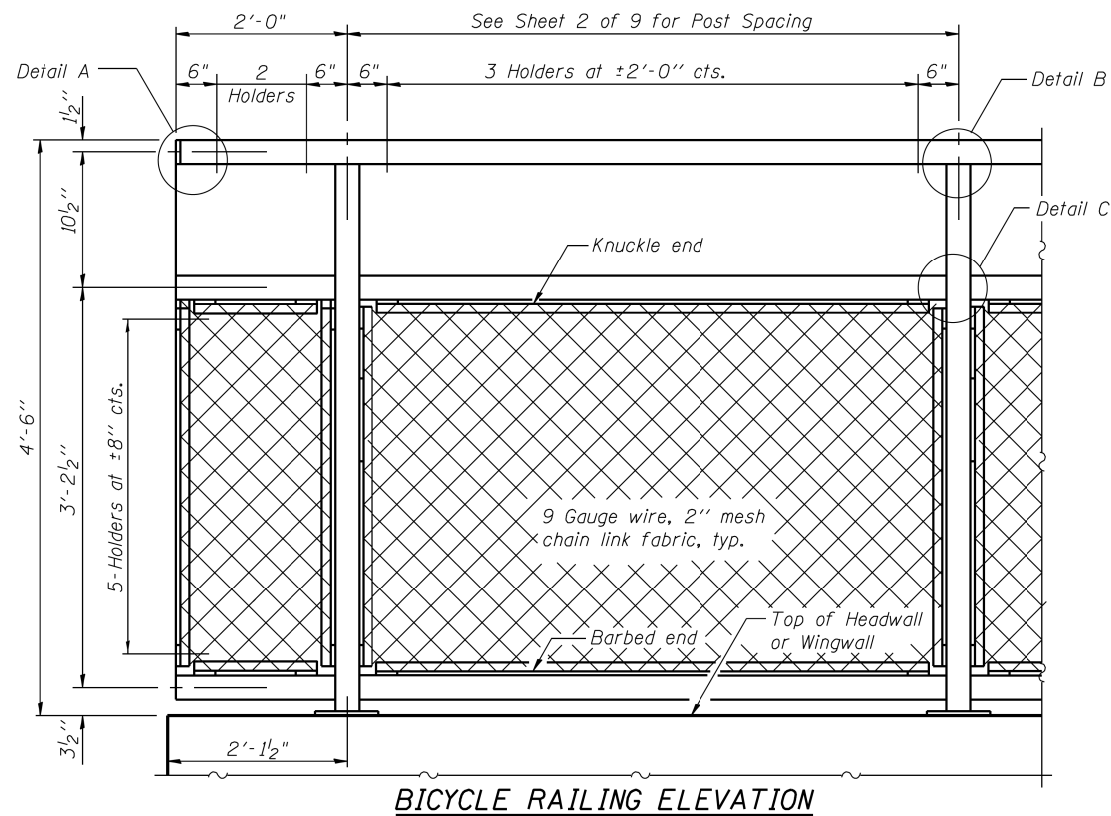
#4 bar = 2'-7"

NOTES:

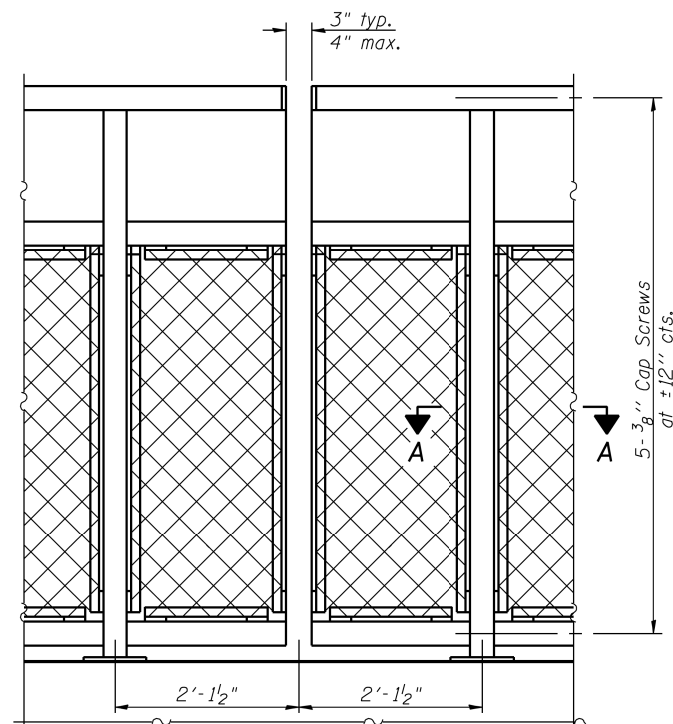
1. Bars indicated thus 6x2- #4 etc. indicates 6 lines of bars with 2 lengths per line.
2. 6'-0" of the barrel shall be poured monolithically with the wingwalls.



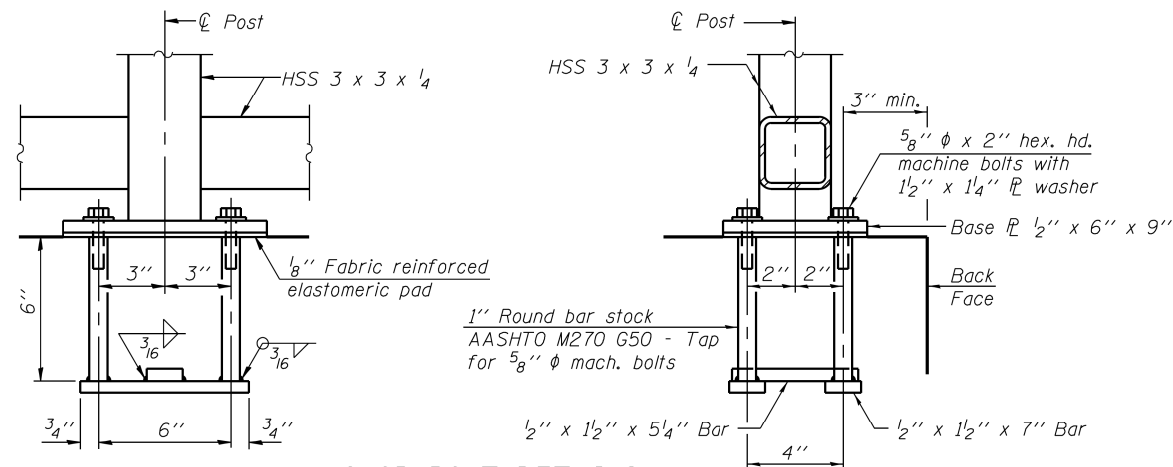
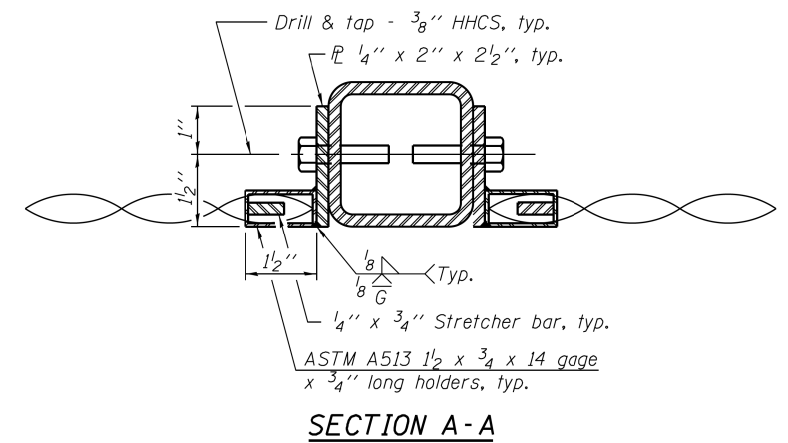
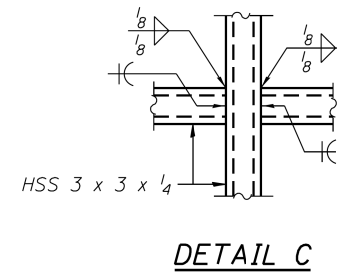
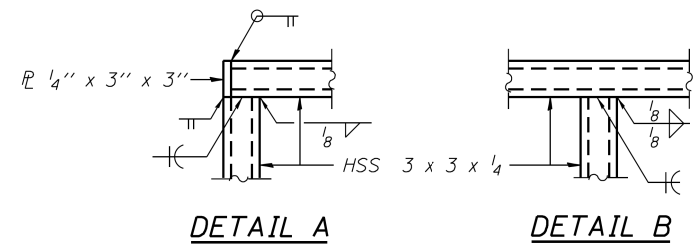
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BICYCLE RAILING ELEVATION



BICYCLE RAILING ELEVATION AT KINK POINT



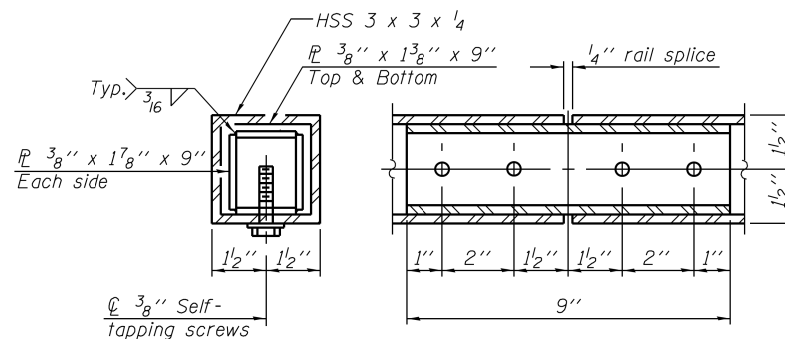
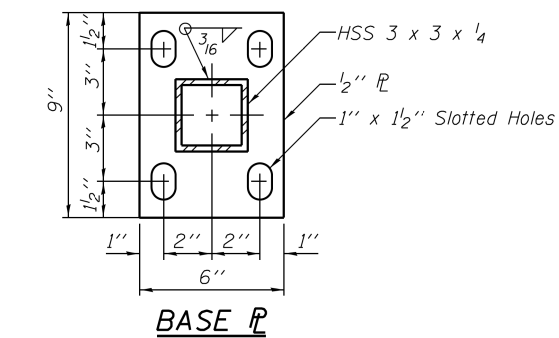
ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" φ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

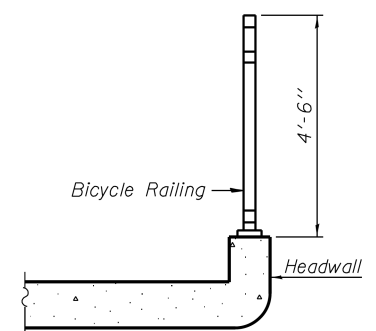
THIS COMPONENT IS INCLUDED IN THE COST OF ERECTING BICYCLE RAILING, IF ELECTED TO BE USED

Notes:

- All structural steel tubing, post and railing, for parapet railing shall be CVN tested according to 1006.34(b) of the Standard Specifications.
- Cost of the Anchor Bolts shall be included with the cost of the Bicycle Railing.



RAIL SPLICE



SECTION THRU CULVERT END SECTION

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	27

All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



USER NAME = sapant
DESIGNED - SAT
CHECKED - JMT
PLOT SCALE = 0.1667' / in.
DRAWN - SAT
PLOT DATE = 12/28/2017
CHECKED - JMT

DESIGNED - SAT
CHECKED - JMT
DRAWN - SAT
CHECKED - JMT

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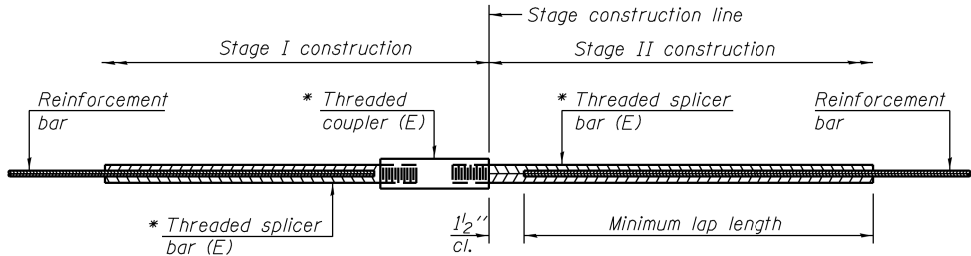
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BICYCLE RAILING
STRUCTURE NO. 045-0335

SHEET NO. 7 OF 9 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	S-N-1	KANE	76	53
CONTRACT NO. 60P66				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DURN\30161 - WD 9 Contract No. 60P66\CA00\CA00 Sheets\Structural\045-0335-60P66-08-Bar Splicer.dgn

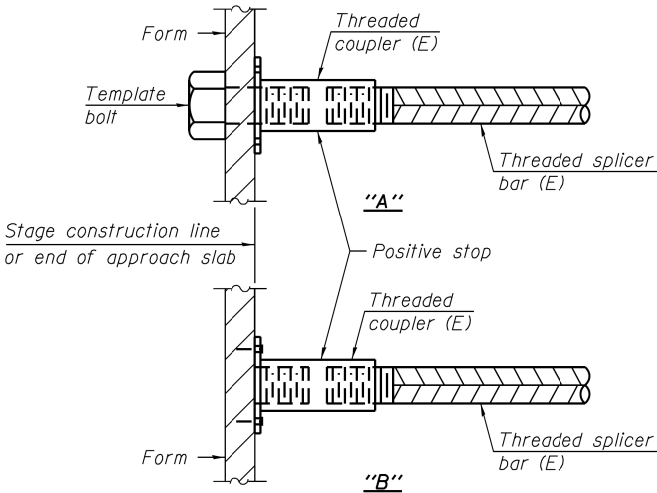


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

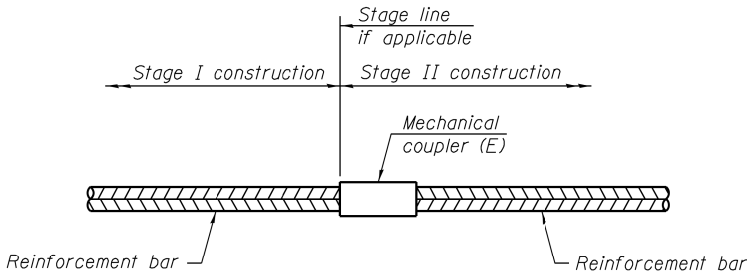
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Top Slab	#5	20	3'-2"
Bottom Slab	#5	20	3'-2"
Sidewalls	#4	12	2'-7"



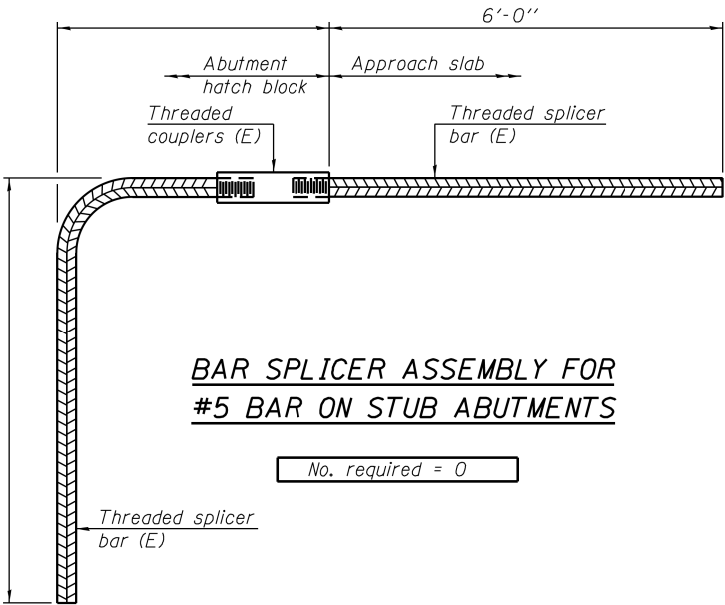
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



**BAR SPLICER ASSEMBLY FOR
#5 BAR ON STUB ABUTMENTS**

No. required = 0

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

6-8-15



USER NAME : sapant	DESIGNED - SAT	REVISED
	CHECKED - JMT	REVISED
PLOT SCALE = 0.1667' / in.	DRAWN - SAT	REVISED
PLOT DATE = 12/28/2017	CHECKED - JMT	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 045-0335

SHEET NO. 8 OF 9 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	S-N-1	KANE	76	54
CONTRACT NO. 60P66				
ILLINOIS FED. AID PROJECT				

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Type	Recovery (%)	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
770.9	777.4	18-inch thick, hard, dark brown, GRAVELLY SILTY CLAY		1			10 6 7	4.50 P	20
		Stiff, brown CLAY LOAM to LOAM; moist		2			4 4 4	NA	13
				3			4 7 9	1.50 P	11
				4			19 31 31	NP	7
				5			45 56 3	NP	9
				6			23 22 25	NP	18
				7			16 30 45	NP	17
				8			65 6	NP	16
				9			8 8 7	0.25 B	12
				10			5 6 7	0.41 B	13
758.9	753.4	Very dense, gray and brown GRAVELLY SAND; moist to saturated		11			4 10 15	NP	11
				12			19 20 18	NP	11
Boring terminated at 30.00 ft									

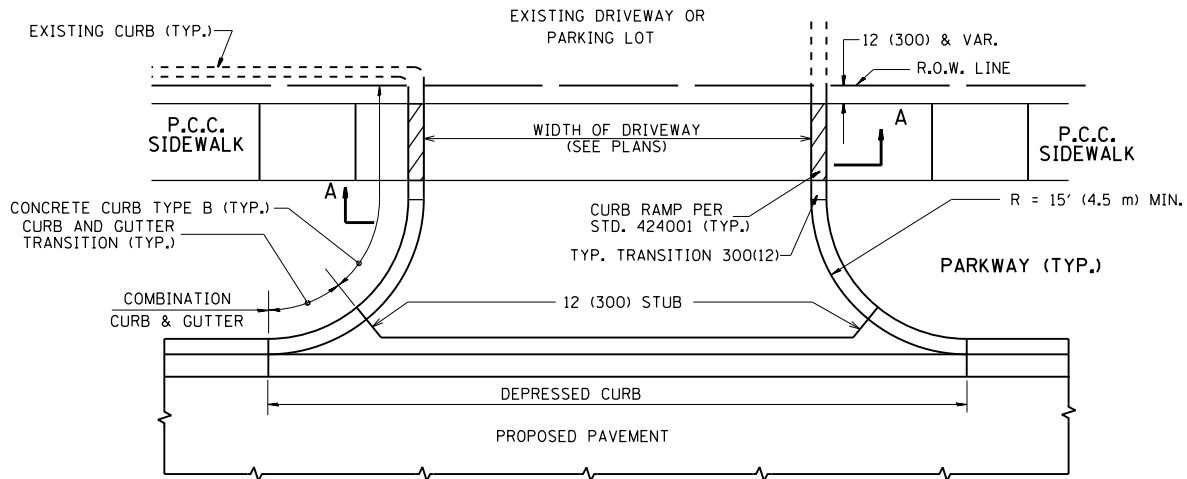
 wangeng@wangeng.com 1145 N Main Street Lombard, IL 60148 Telephone: 630 953-9928 Fax: 630 953-9938	BORING LOG CB-04 WEI Job No.: 491-02-05		Date: NAVD 88 Elevation: 784.01 ft North: 19888814.26 ft East: 993077.21 ft Station: Offset:
	Client _____ Project _____ Location _____	Accurate Group, Inc. IL Route 31 at Miller Road Culvert Kane County, Illinois	

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows in)	Qu (tsf)	Moisture Content (%)
	782.5	7-inch thick, ASPHALT over 6-inch thick, CONCRETE --PAVEMENT-- Medium stiff to stiff, brown CLAY LOAM to SILTY CLAY LOAM, trace gravel			1	4 3 3	0.74 B			728.5	gravel Dense, black and yellowish brown GRAVELLY LOAM to SANDY LOAM; saturated			11	7 9 23	NP	14
		--FILL--			2	2 3 3	1.39 B	22		755.0	Very stiff to hard, pinkish gray CLAY LOAM, trace gravel	30		12	13 20 12	4.84 B	9
					3	2 3 2	1.00 P	21									
	776.0	Medium dense to dense, orange brown GRAVELLY SAND; moist to saturated			4	3 5 9	NP	9						13	9 13 17	4.10 B	13
					5	12 15 10	NP	12									
					6	16 26 15	NP	8						14	7 10 13	3.12 B	13
		--hard drilling, 14 to 16 feet-- --possible cobbles--	15							744.0	Boring terminated at 40.00 ft	40					
	767.5	Loose, gray LOAM; saturated			7	5 3 3	NP	23									
	766.0	Very soft, gray SILTY CLAY			8	0 6 22	0.25 P	31									
	764.5	Very dense, dark brown to yellowish brown GRAVELLY LOAM; wet to saturated	20									45					
		--hard drilling-- --constant chatter, 20 to 22 feet--			9	13 20 32	NP	21									
	759.5	Stiff, gray CLAY LOAM, little	25		10	4 8 10	1.56 B	16				50					

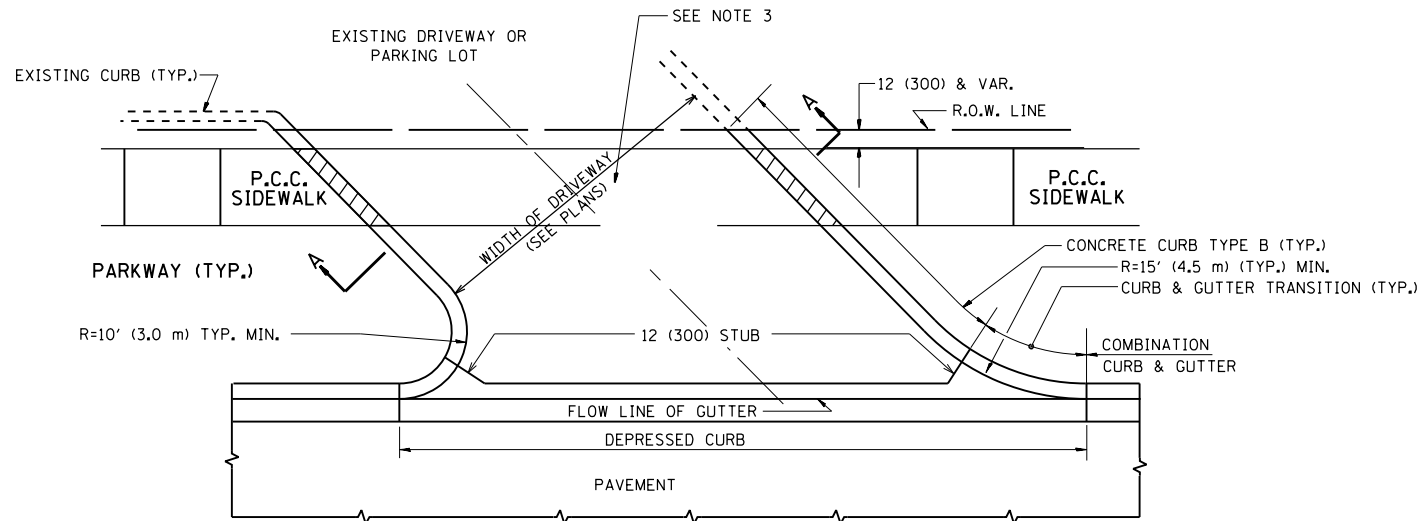
 wangeng@wangeng.com 1145 N Main Street Lombard, IL 60148 Telephone: 630 953-9928 Fax: 630 953-9938	BORING LOG CB-07 ALT WEI Job No.: 491-02-05		Datum: NAVD 88 Elevation: 787.93 ft North: 1988772.18 ft East: 993019.43 ft Station: Offset:
	Client	Accurate Group, Inc.	
	Project	IL Route 31 at Miller Road Culvert	
	Location	Kane County, Illinois	

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
WANGENG GDT 7/6/16	784.7	24.73-inch thick, brown GRAVELLY LOAM --FILL-- Very stiff, brown SILTY CLAY LOAM	1	3	1	3	2.25 B	19		784.8		11	7	11	14	6.64 B	19
	784.6	Stiff to hard, reddish brown to pinkish brown CLAY LOAM, trace gravel	2	2	2	1.65 B	20	30		12	8	11	15	5.08 B	20		
	5	3	3	3	2.46 B	13											
	10	4	3	4	1.39 B	13											
	15	5	3	3	1.07 B	15											
	15	6	3	3	2.62 B	13											
	20	7	4	6	2.54 B	12											
	20	8	6	8	4.10 B	10											
	25	9	5	8	3.94 B	11											
	25	10	4	7	5.17 B	8											
									747.9	Boring terminated at 40.00 ft	40	14	6	11	15	3.69 B	11

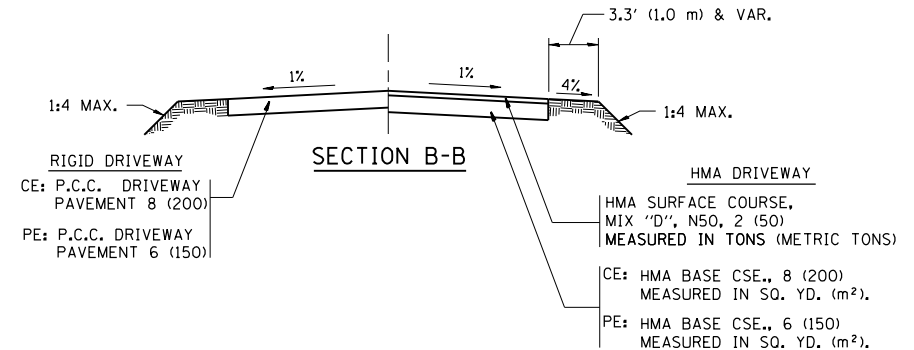
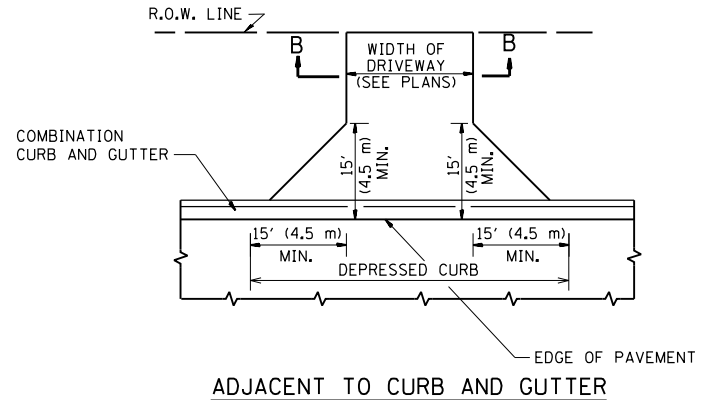
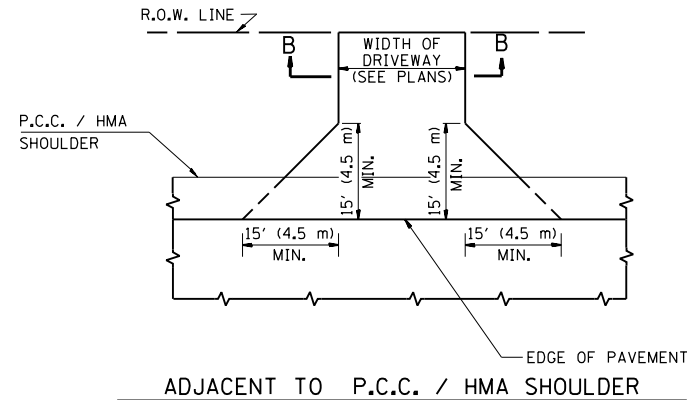
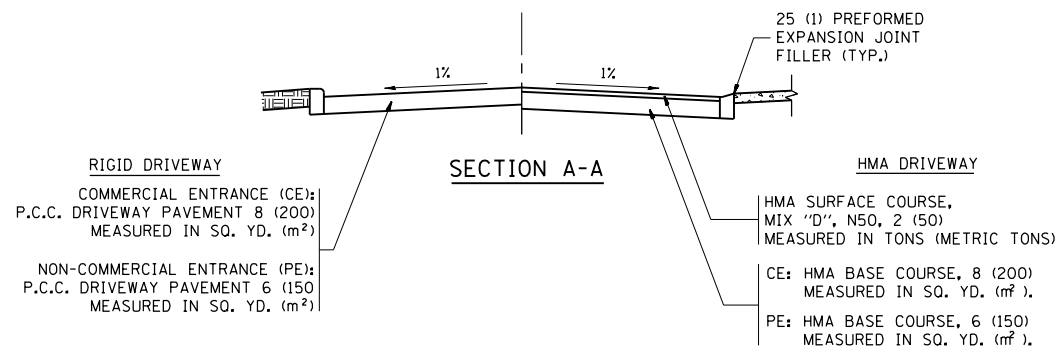
GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	06-29-2016	Complete Drilling	06-29-2016	While Drilling	▽
Drilling Contractor	Wang Testing Service		Drill Rig	CME-55 TMR	At Completion of Drilling
Driller	N&N	Logger	M. Schmelzel	Checked by	CLM
Drilling Method	3.25" IDA HSA, backfilled upon completion				
				Time after Drilling	NA
				Depth to Water	NA
The stratification lines represent the approximate boundary between soil types. The actual transition may be gradual.					



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

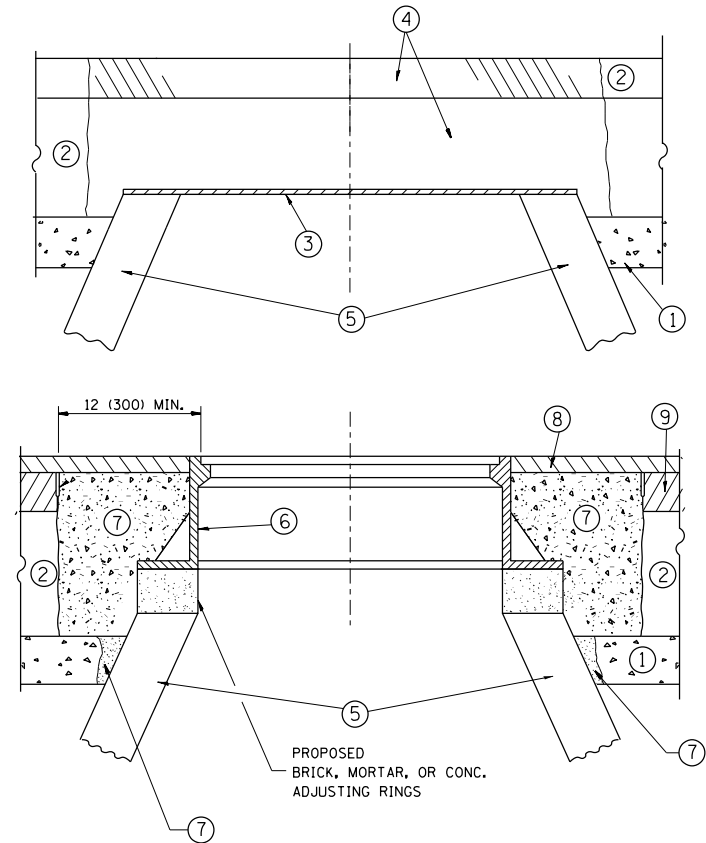
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	PLOT SCALE = 100.0002' / in.	CHECKED -	REVISED - R. BORO 06-11-08
	PLOT DATE = 5/10/2018	DATE - 11-04-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	S-N-1	KANE	76	56
BD0156-07 (BD-01)		CONTRACT NO. 60P66		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
② EXISTING PAVEMENT
③ 36 (900) DIAMETER METAL PLATE
④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
⑤ EXISTING STRUCTURE
⑥ FRAME AND LID (SEE NOTES)
⑦ CLASS PP-1* CONCRETE
⑧ PROPOSED HMA SURFACE COURSE
⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

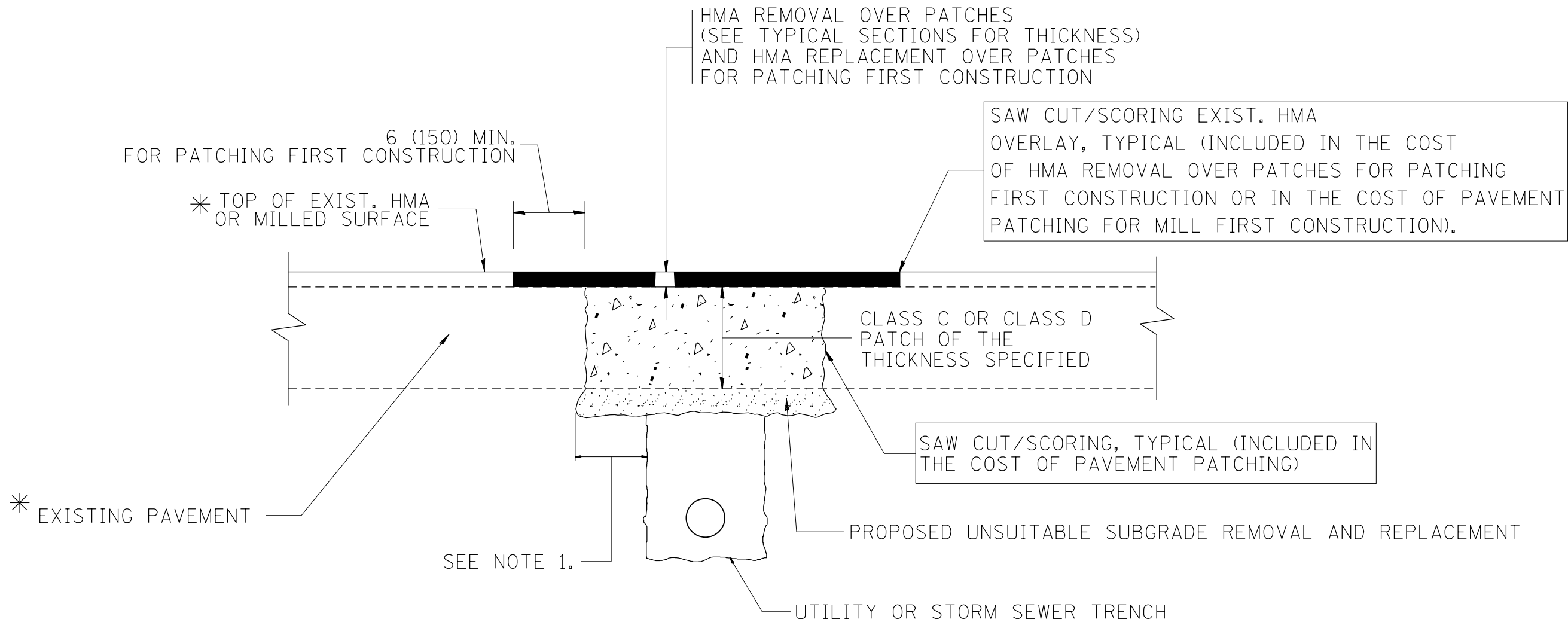
THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME = p:\1\084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\PI4450\Drawings\Design\DistStd.dgn	USER NAME = Bilgramiso	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED - R. BORO 01-01-07					3887	S-N-1	KANE	76	57
		PLOT SCALE = 100.0000' / in.	REVISED - R. BORO 03-09-11					BD600-03 (BD-8)		CONTRACT NO. 60P66		
		PLOT DATE = 5/10/2018	REVISED - R. BORO 12-06-11					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
SCALE: NONE					SHEET NO. 1 OF 1 SHEETS			STA. TO STA.				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

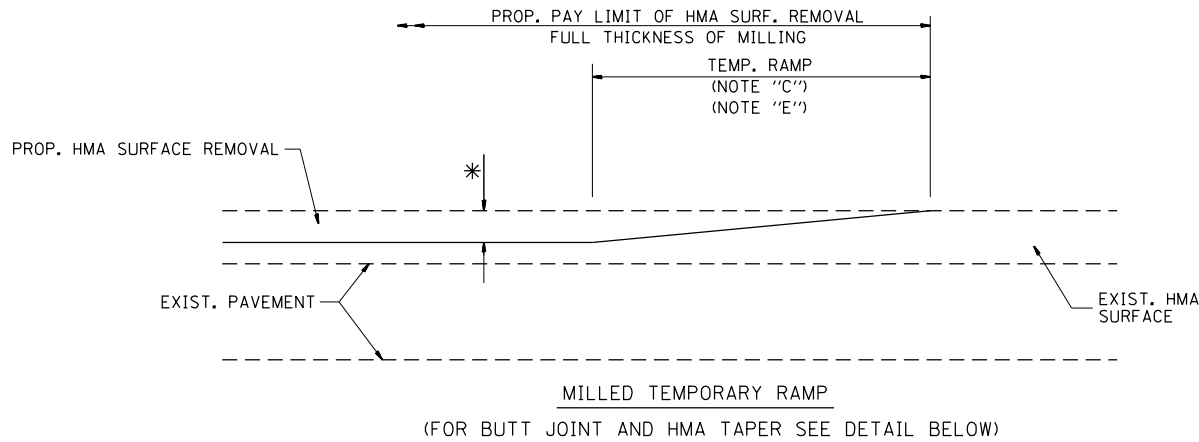
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

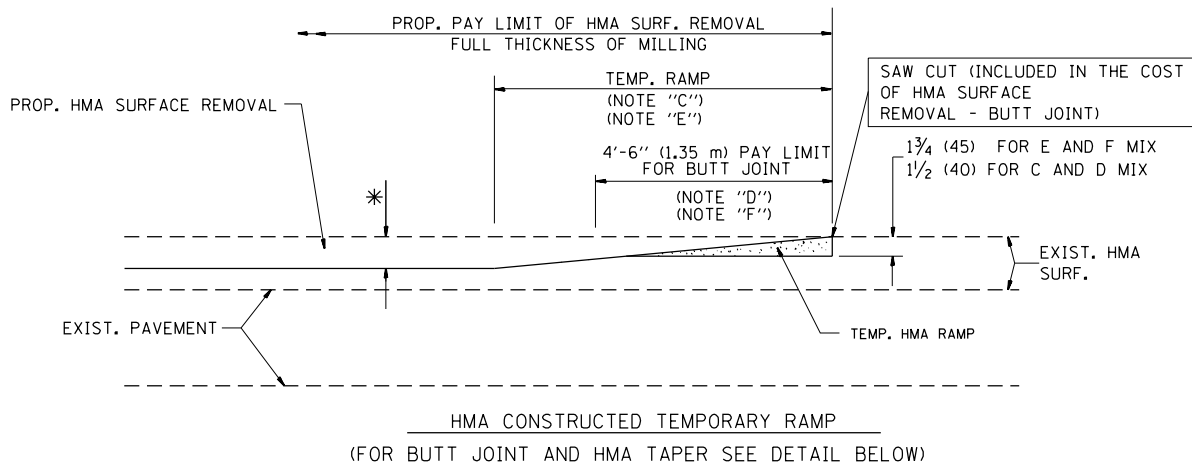
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME = p:\11\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\PI4460\Drawings\Design\DistStd.dgn	USER NAME = Bilgramiso	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED - R. BORO 01-01-07						3887	S-N-1	KANE	76	58
	PLOT DATE = 5/10/2018	DATE - 10-25-94	REVISED - R. BORO 09-04-07						BD400-04 (BD-22)		CONTRACT NO. 60P66		
									REVISED - K. ENG 10-27-08	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
					SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.			

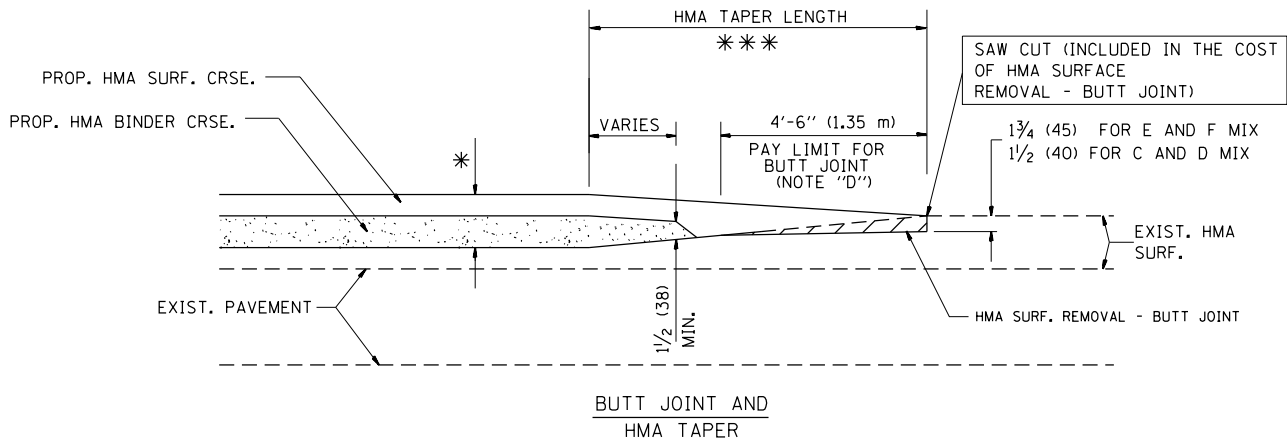


OPTION 1

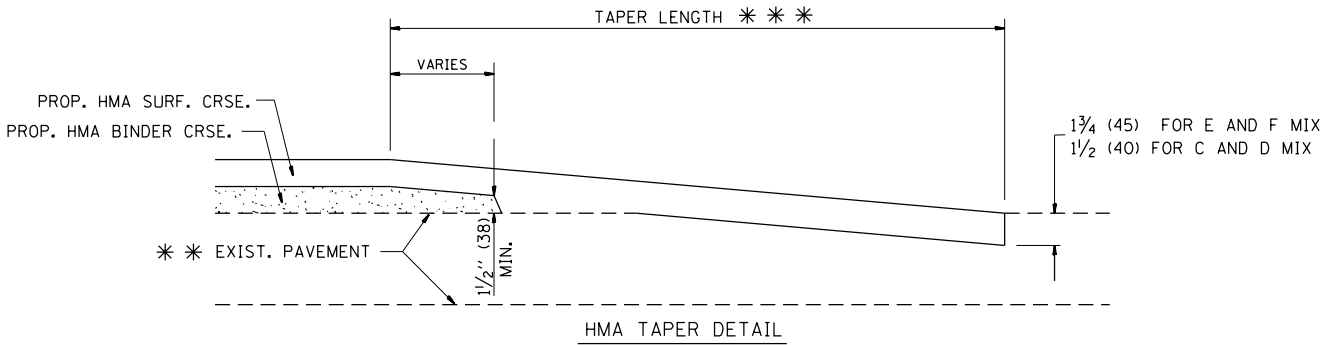
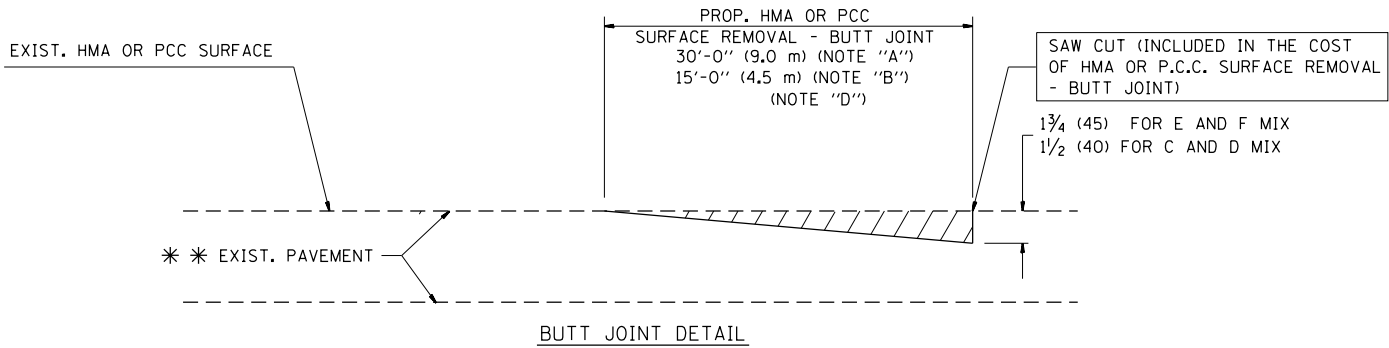


OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

* * * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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

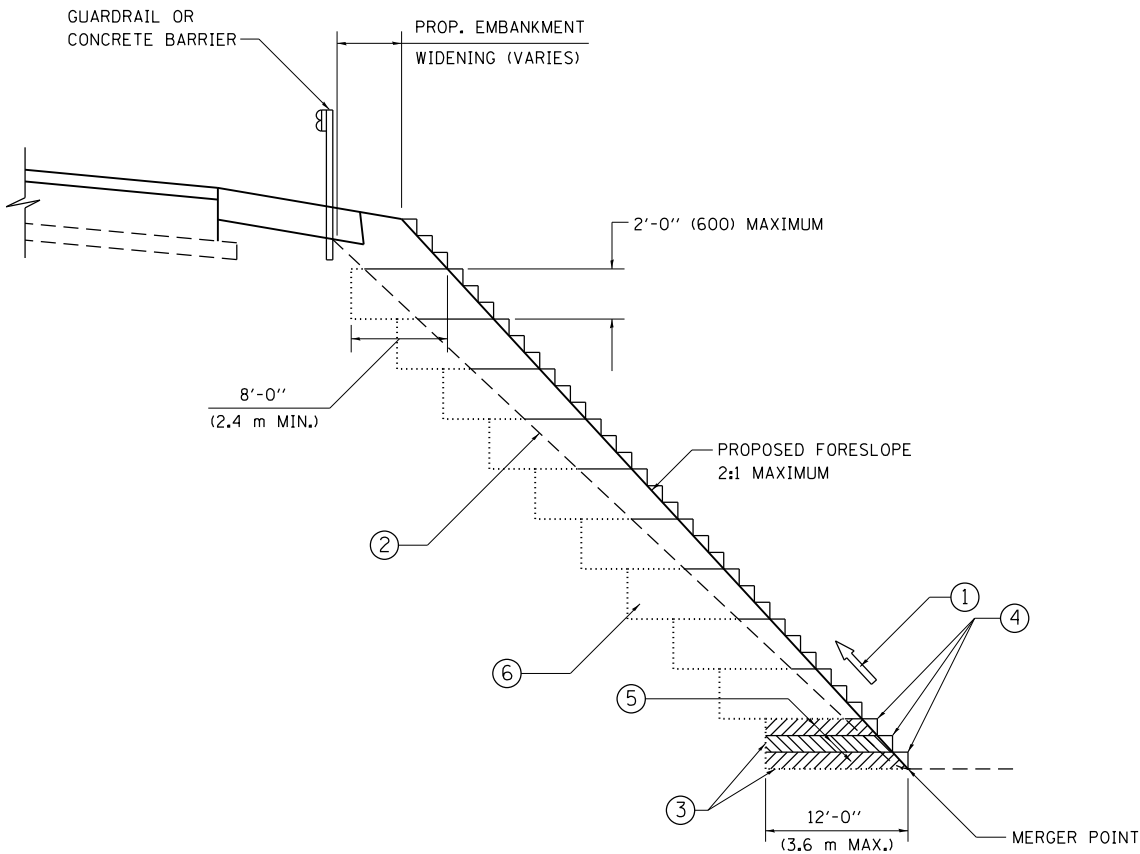
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 5/10/2018	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	S-N-1	KANE	76	59
BD400-05 BD32		CONTRACT NO. 60P66		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

- 1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- 2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- 3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- 4. TRIM TO FINAL SLOPE.
- 5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- 6. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 7. SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

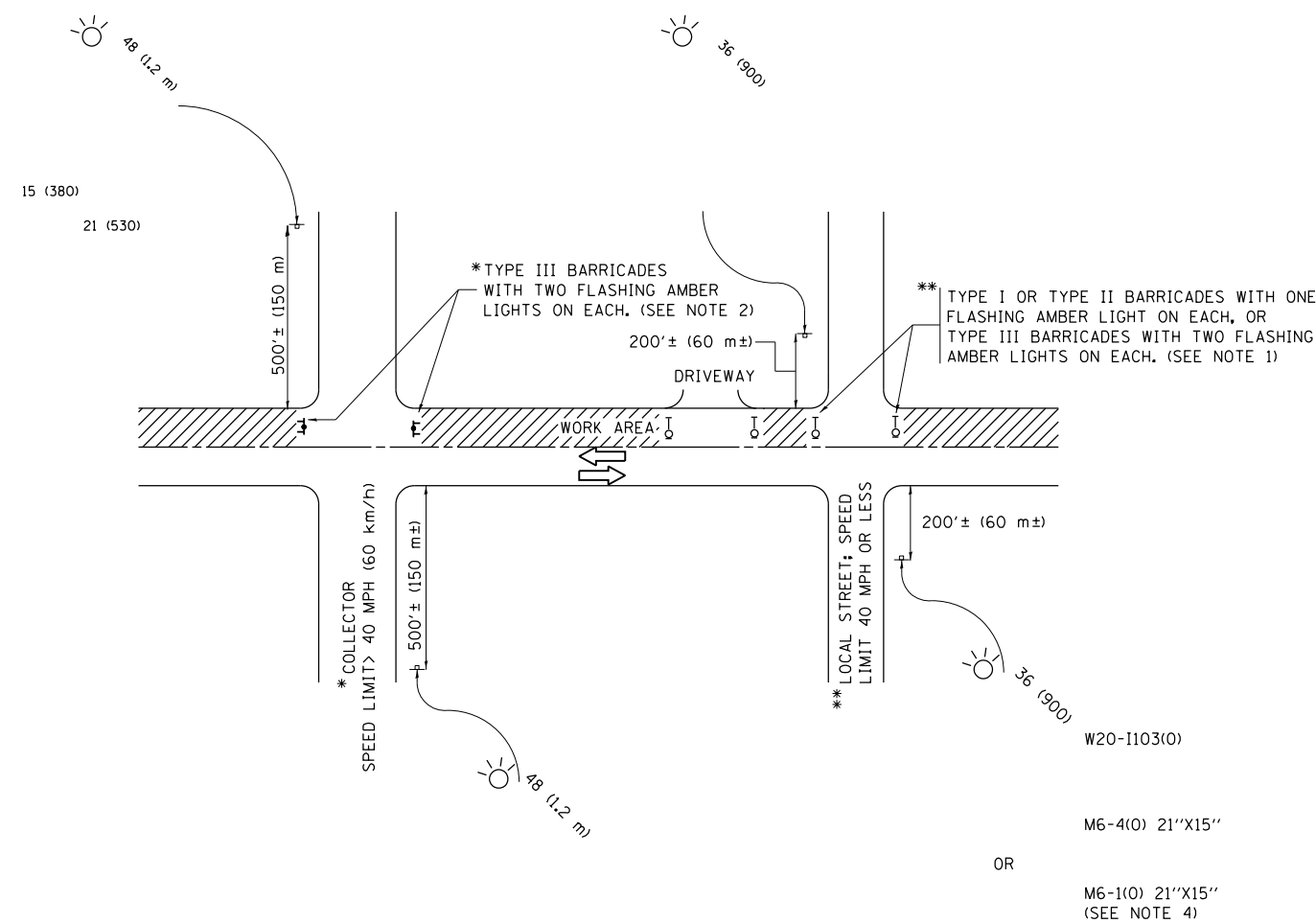
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Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - S.E.B.	REVISED -
	PLOT DATE = 5/10/2018	DATE - 06-16-04	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL
FOR EMBANKMENT WIDENING

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	S-N-1	KANE	76	60
BD-51		CONTRACT NO. 60P66		
ILLINOIS		FED. AID PROJECT		

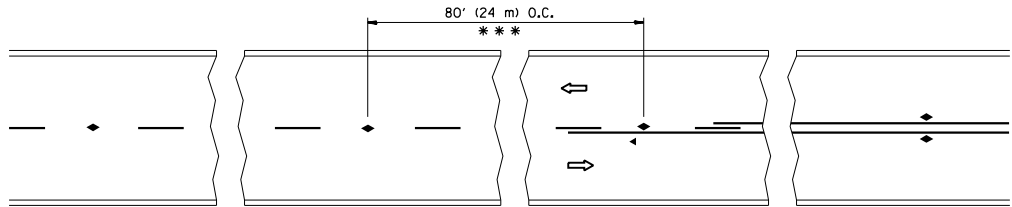


NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

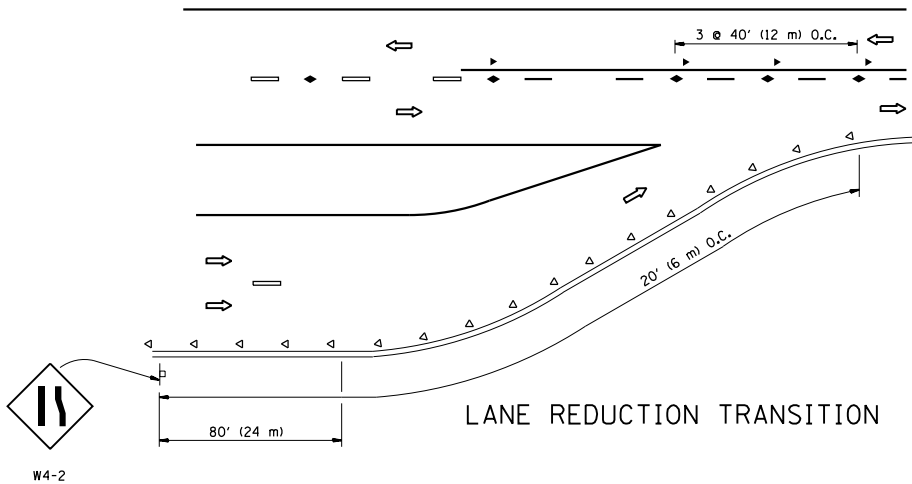
All dimensions are in inches (millimeters) unless otherwise shown.

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p:\11\084EBID\INTEG\Illinois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\PI4450\PI4450\Drawings\Design\DistStd.dgn		REVISED - T. RAMMACHER 01-06-00				3887	S-N-1	KANE	76	61
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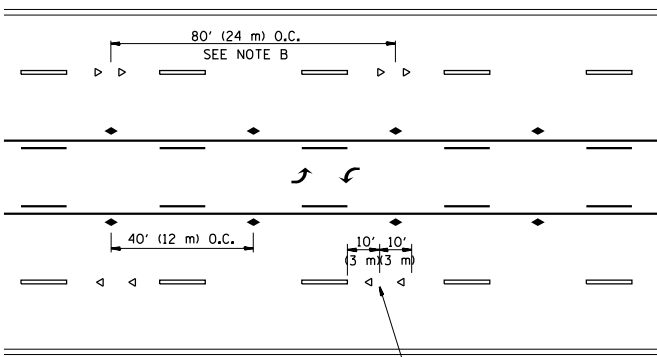


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

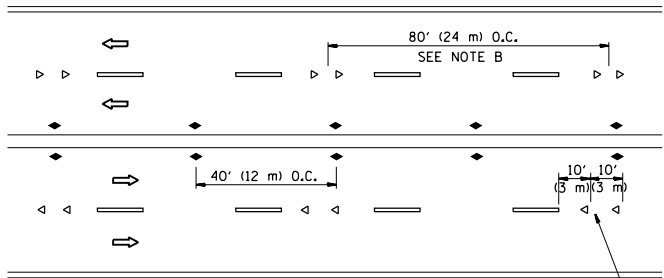


LANE REDUCTION TRANSITION



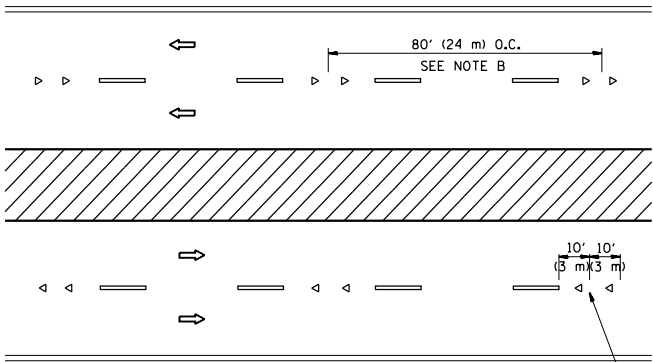
SEE NOTE A

TWO-WAY LEFT TURN



SEE NOTE A

MULTI-LANE/UNDIVIDED



SEE NOTE A

MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

LANE MARKER NOTES

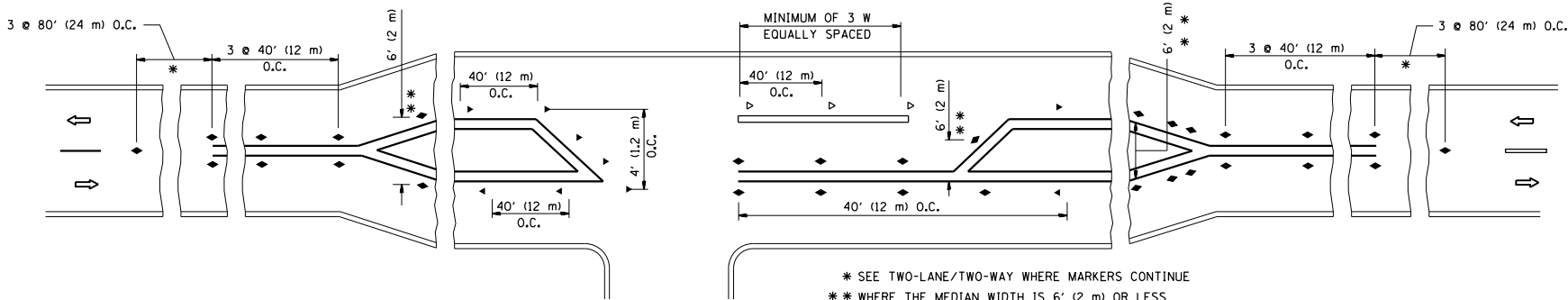
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

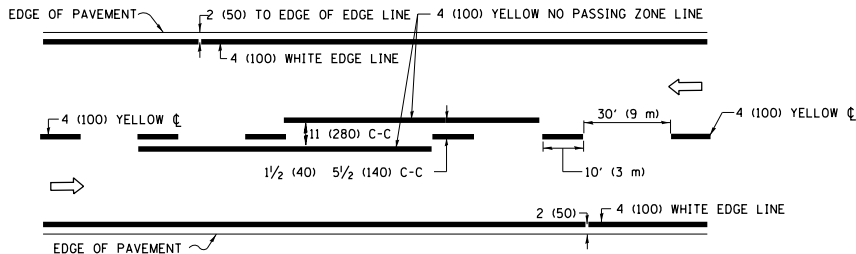


* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS
USE TWO-WAY MARKERS.

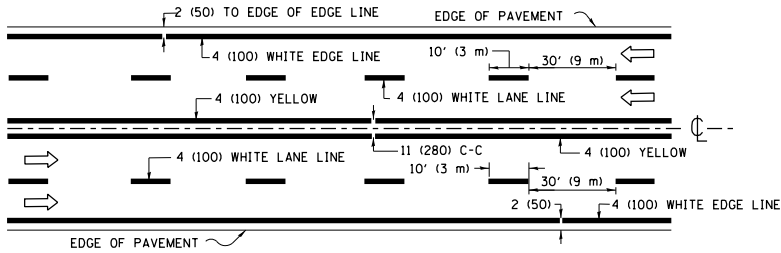
LEFT TURN

All dimensions are in inches (millimeters)
unless otherwise shown.

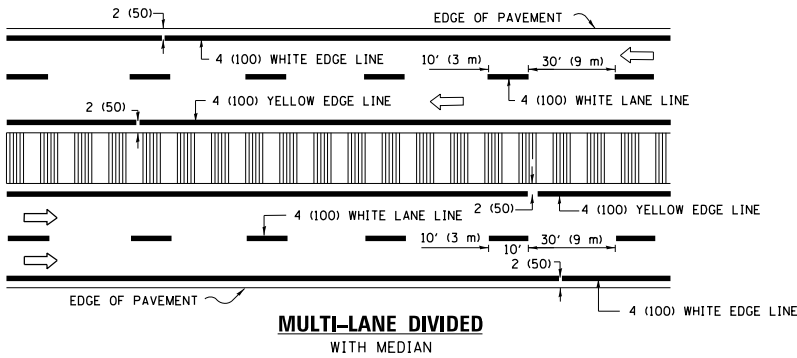
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		CHECKED -	REVISED - T. RAMMACHER 03-12-99					3887	S-N-1	KANE	76	62
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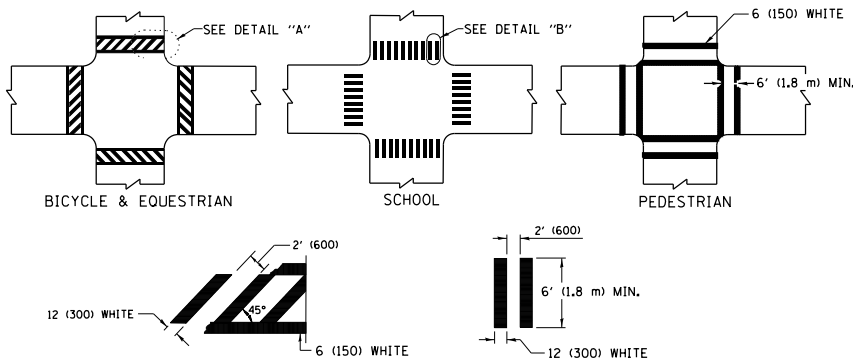
2-LANE ROADWAY



MULTI-LANE UNDIVIDED



TYPICAL LANE AND EDGE LINE MARKING

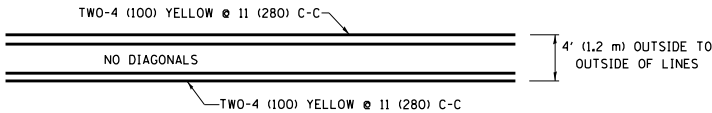


DETAIL "A"

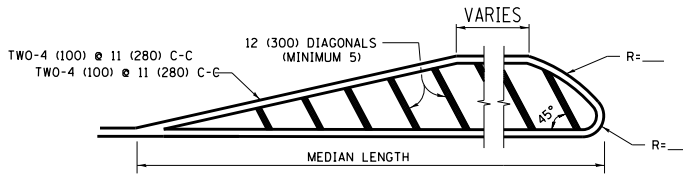
DETAIL "B"

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

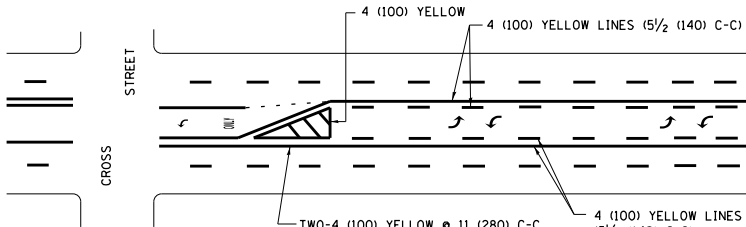


4' (1.2 m) WIDE MEDIANS ONLY

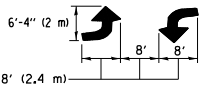


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

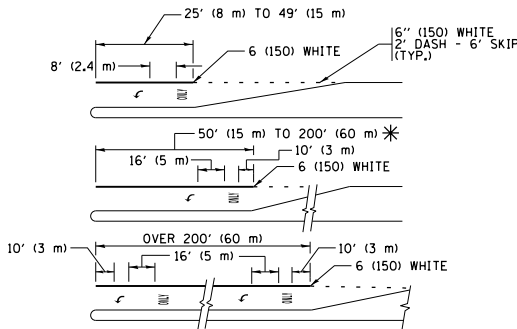


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

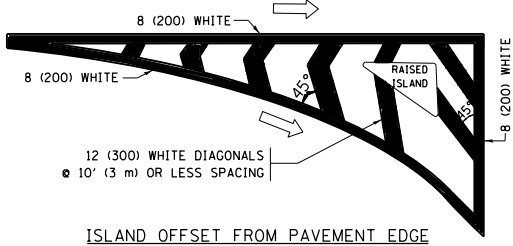


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

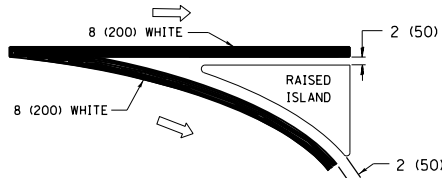
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

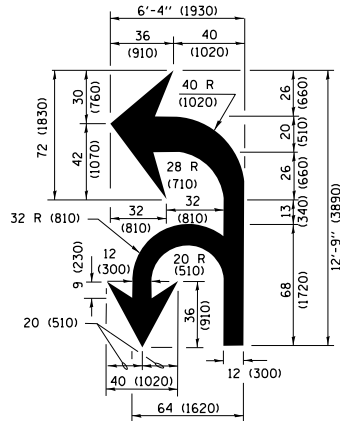


ISLAND OFFSET FROM PAVEMENT EDGE

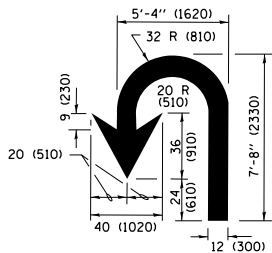


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

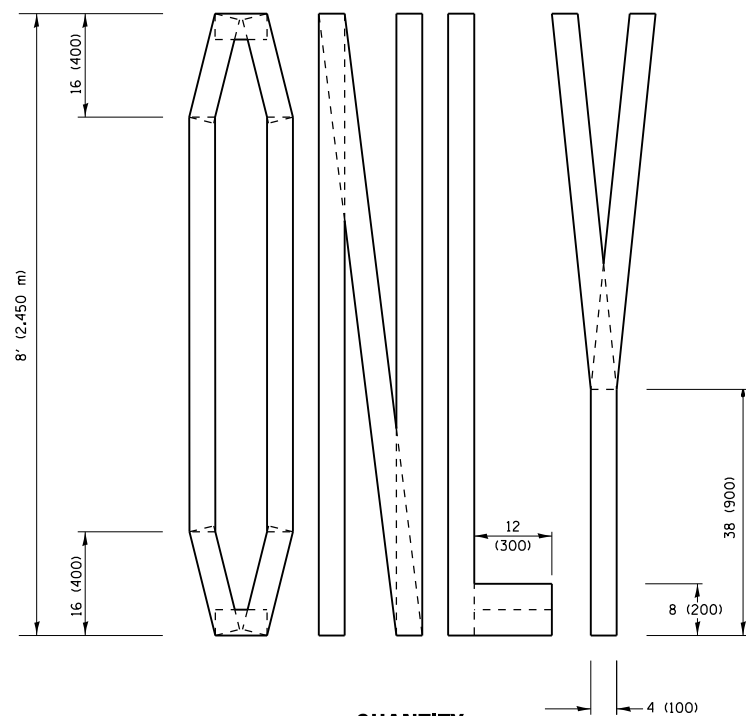
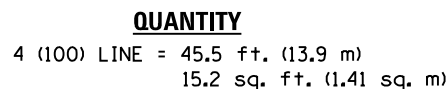
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
Default	PLOT DATE = 5/10/2018	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

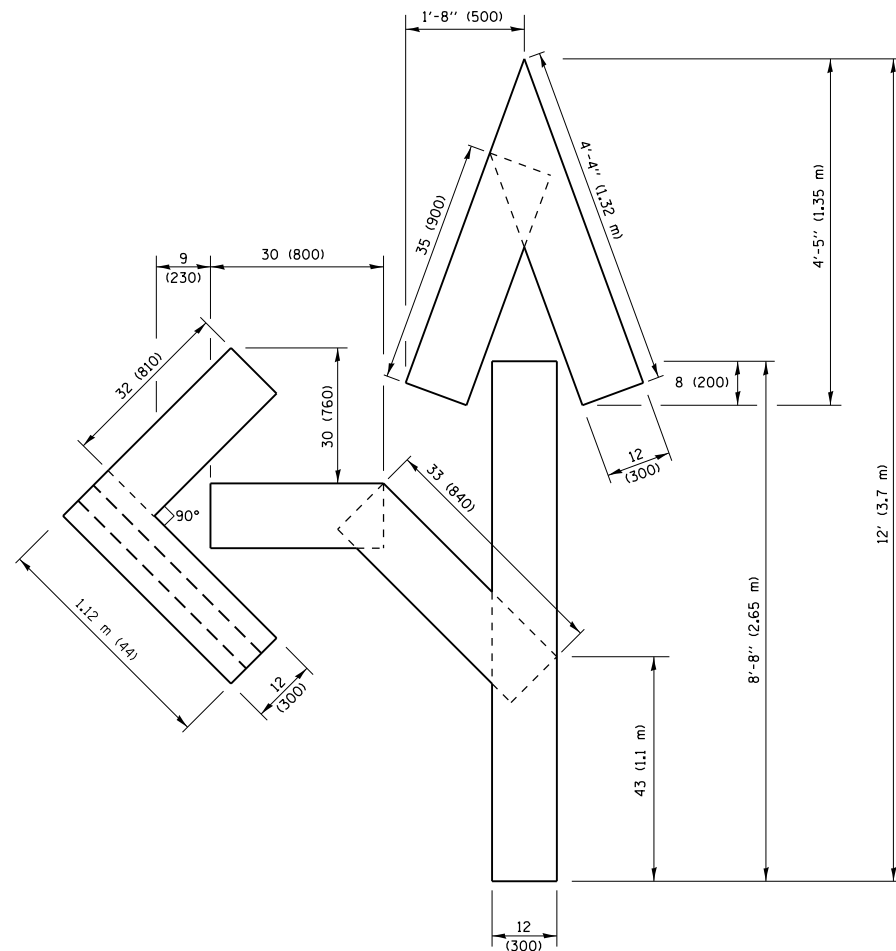
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	S-N-1	KANE	76	63
TC-13		CONTRACT NO. 60P66		
ILLINOIS FED. AID PROJECT				



QUANTITY

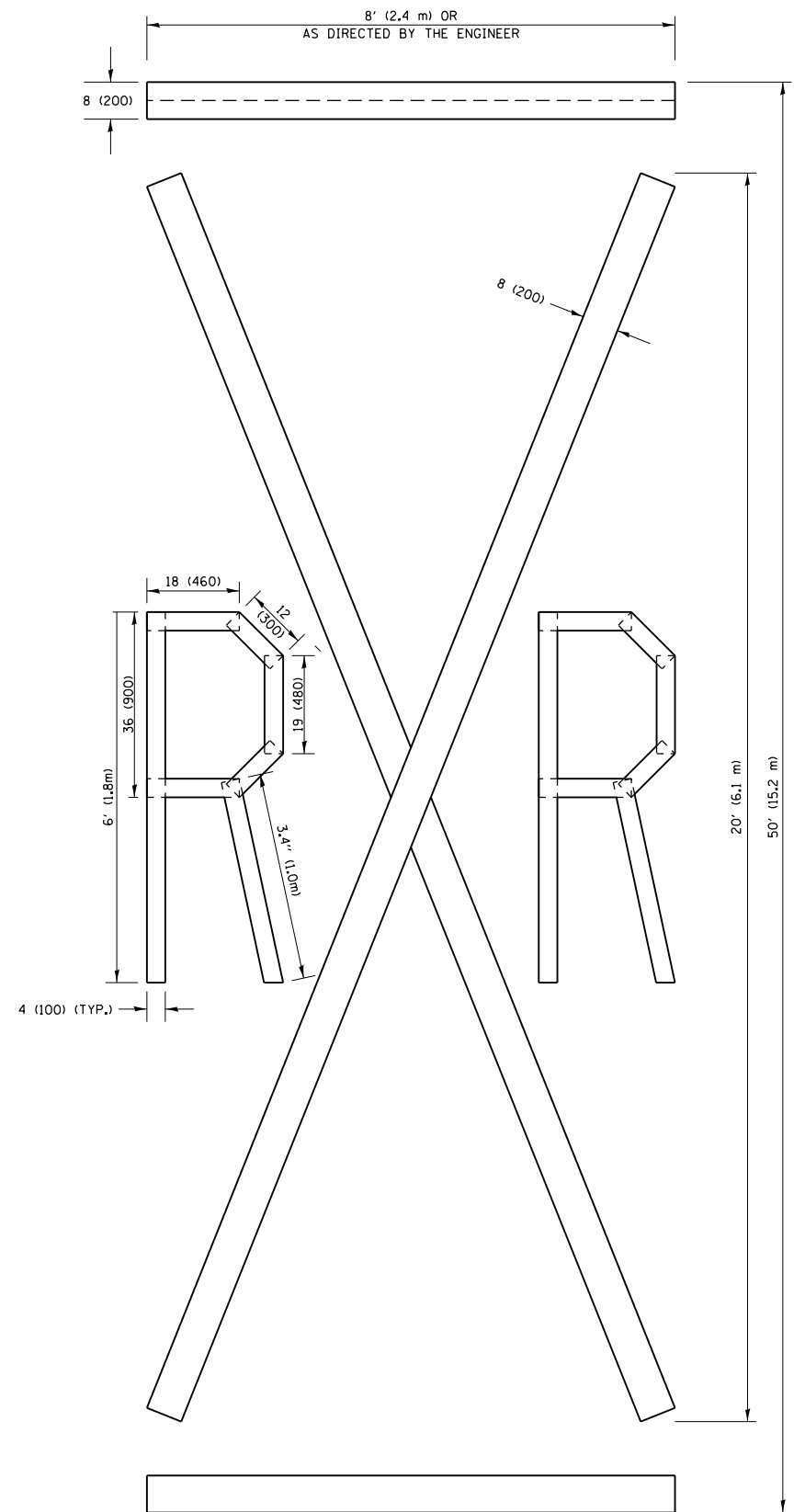
4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)



QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED
IN LINEAR FEET OF 4" LINES TO MATCH THE
4" TEMPORARY TAPE PAY ITEM AND REPRESENTS
THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

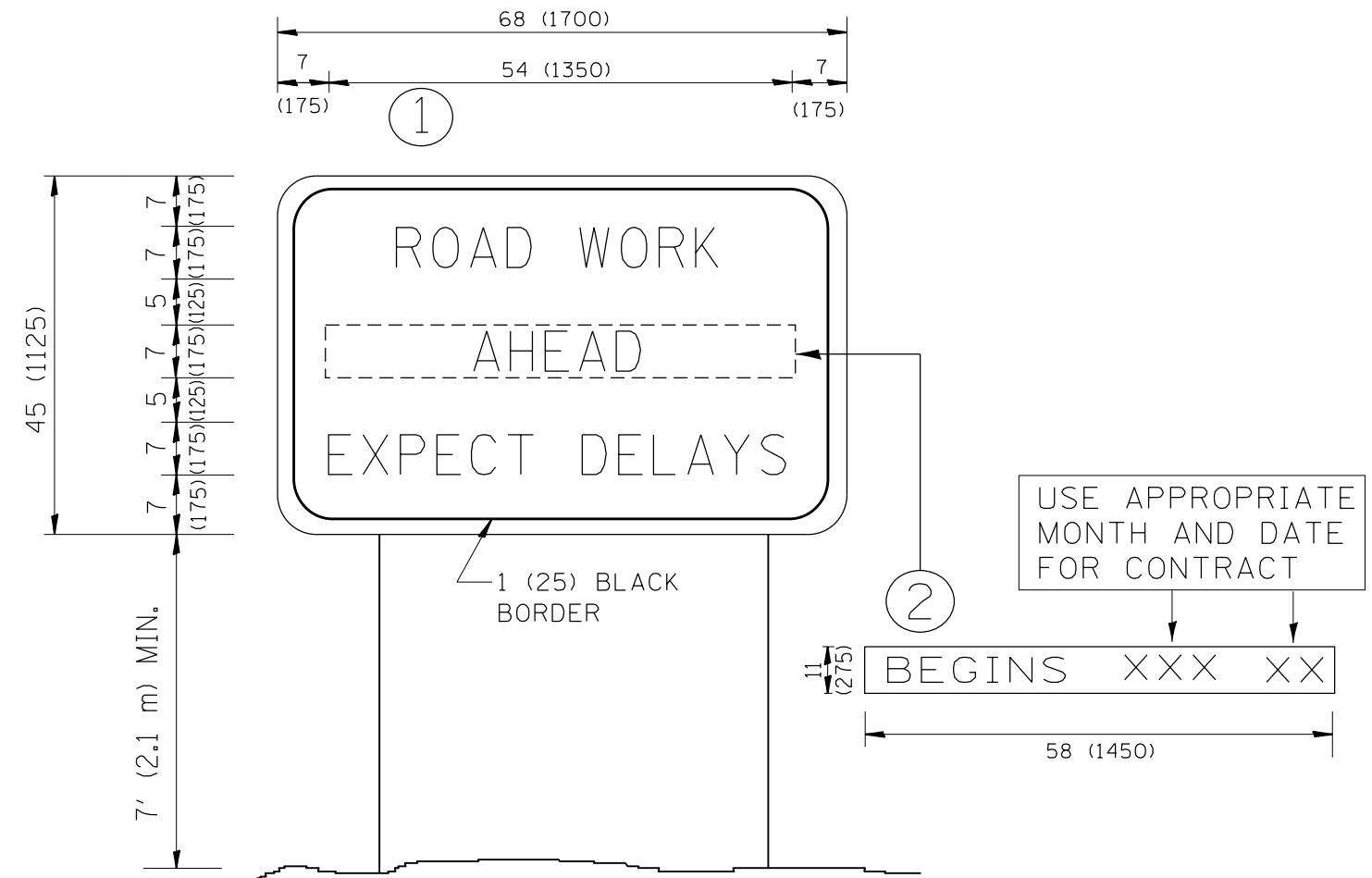
FILE NAME =	USER NAME = Bilgirmise	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
p:\IL084EBIDINTEG.Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\PI4450\PLANNING\Design\DistStd.dgn		CHECKED -	REVISED - E. GOMEZ 08-28-00
	PLOT SCALE = 100.0000 ' / in.		REVISED - E. GOMEZ 08-28-00
	PLOT DATE = 5/10/2018	DATE = 09-18-94	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. _____ TO STA. _____
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	S-N-1	KANE	76	64
TC-16		CONTRACT NO. 60P66		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME = p:\11\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\PI4450\Drawings\Design\DistStd.dgn	USER NAME = Bilgramiso	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			REVISED - R. MIRS 12-11-97							3887	S-N-1	KANE	76	65
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99							TC-22		CONTRACT NO. 60P66		
	PLOT DATE = 5/10/2018	DATE -	REVISED - C. JUCIUS 01-31-07							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

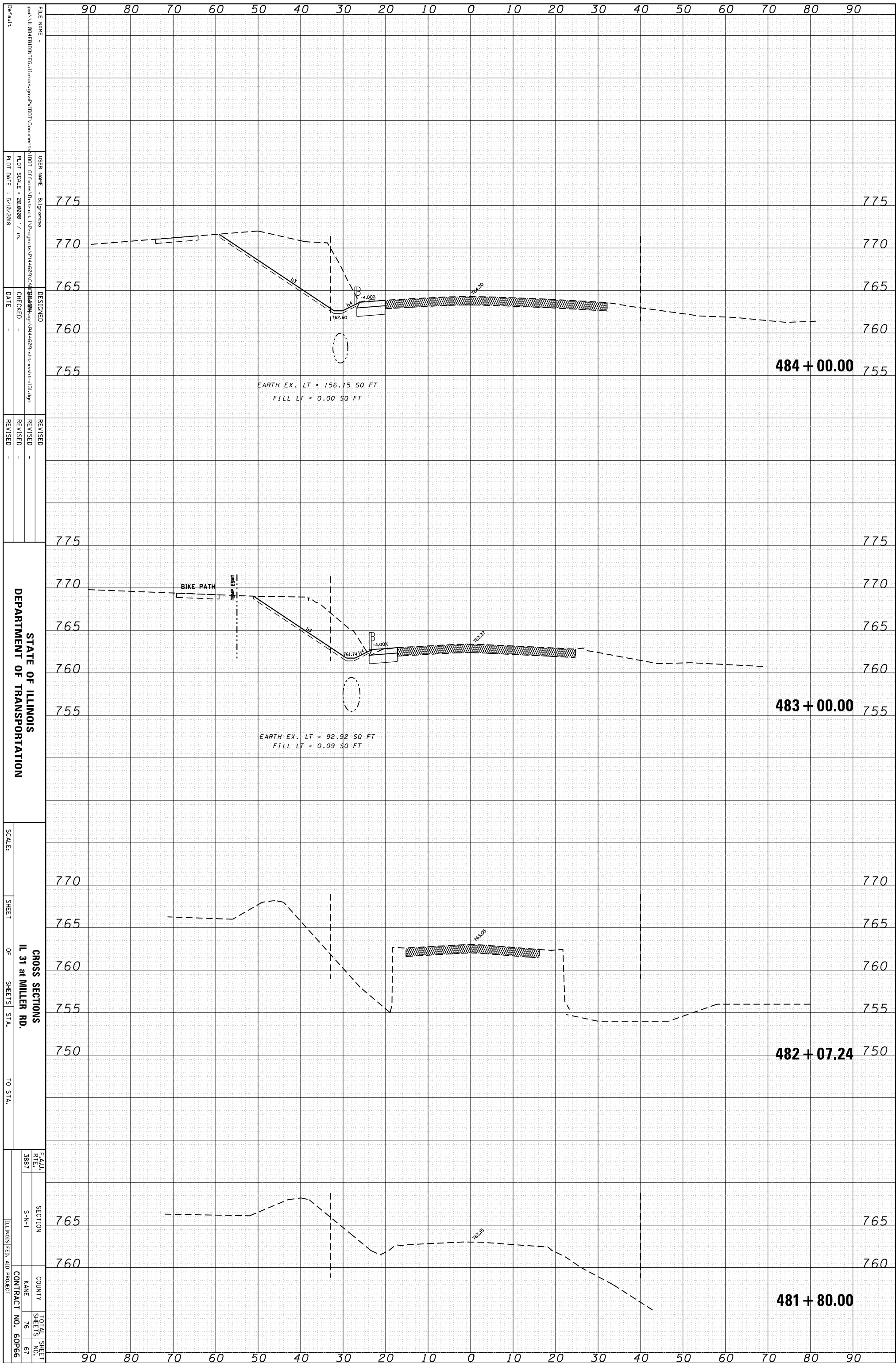
NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING"

FILE NAME =	USER NAME = Bilgramise	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwt\NL084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\PI4604\Auto\Design\DistStd.dgn		CHECKED -	REVISED -						3887	S-N-1	KANE	76	66
PLOT SCALE = 100.0000 ' / in.		DATE -	REVISED -		TC-26				CONTRACT NO. 60P66				
PLOT DATE = 5/10/2018					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			

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

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



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

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

[illegible]