

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 60T23	

DEPARTMENT OF TRANSPORTATION

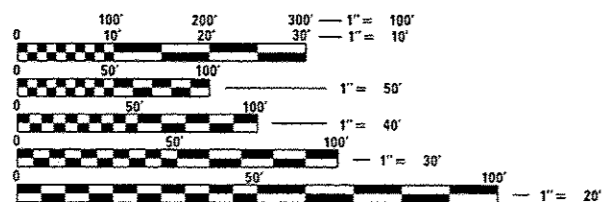
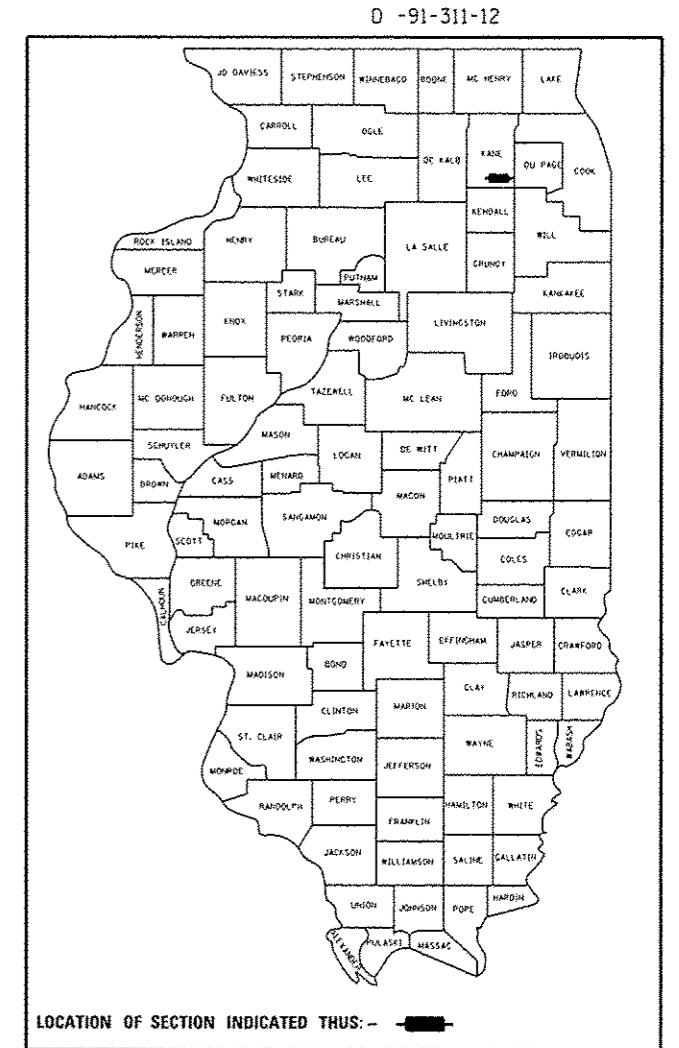
PROPOSED HIGHWAY PLANS

FAP 365 (IL ROUTE 56)
 AT RADDANT ROAD
 SECTION: 60N-3
 INTERSECTION IMPROVEMENT AND
 TRAFFIC SIGNAL INSTALLATION
 PROJECT: ACNHPP-0365(016)

KANE COUNTY
 C-91-311-12

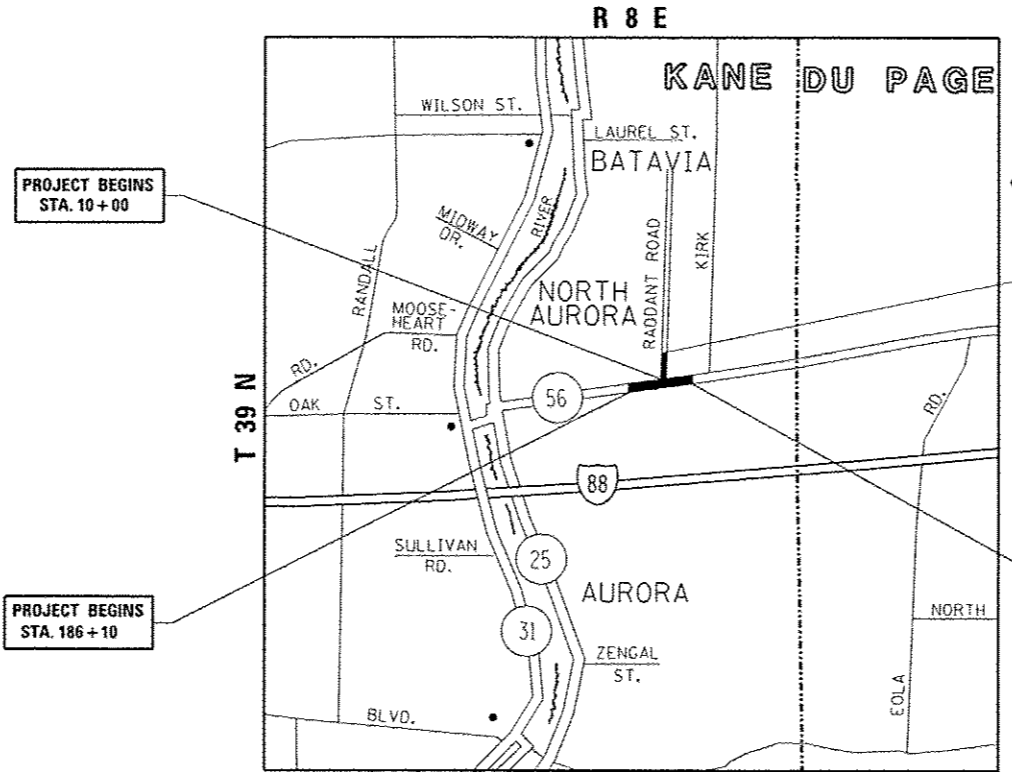
FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED
 IN THE CITY OF AURORA.



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



TRAFFIC DATA
 RADDANT ROAD, 2014 ADT = 2,300
 IL RTE 56, 2014 ADT = 16,600

POSTED SPEED LIMIT
 35/40 MPH (RADDANT ROAD)
 50/55 MPH (IL 56)

PROJECT BEGINS STA. 10+00

PROJECT ENDS STA. 16+22

PROJECT BEGINS STA. 186+10

PROJECT ENDS STA. 205+47

AURORA TOWNSHIP

GROSS & NET LENGTH OF PROJECT = 2,535 LINEAL FEET = 0.48 MILE

PROJECT MANAGER FAWAD AQUEEL (847) 705-4247
 PROJECT ENGINEER JENPAI CHANG (847) 705-4432

CONTRACT NO. 60T23

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED October 20 2016
John Fathman REGIONAL ENGINEER
Dec 9 2016
Maureen M. Addis P.E. ENGINEER OF DESIGN AND ENVIRONMENT
Dec 9 2016
Maureen M. Addis DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

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GENERAL NOTES

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE CITY OF AURORA. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREE UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. HAND EXCAVATION SHALL BE PERFORMED IF MAJOR ROOTS ARE PRESENT. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREA AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDED OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC TO THE REMAINING TREE STRUCTURE.

THE EXPENSE OF ANY REQUIRED HAND EXCAVATION, AS DESCRIBED ABOVE, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT LINE ITEM BEING REMOVED OR INSTALLED AT THAT LOCALTION. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE" AND "WETLAND PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

GENERAL NOTES

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

10 FEET (3 METER) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF AURORA.

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

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/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 MIN. 1:3 (V:H).

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

THE RESIDENT ENGINEER SHALL CONTACT MR. DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER, AT don.chiarugi@illinois.gov A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.

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

THE RESIDENT ENGINEER SHALL DETERMINE THE LOCATIONS OF CLASS "D" PATCHES.

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT PAVEMENT MARKINGS ON ALL FINAL SURFACES.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE 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.

IT IS CONTRACTOR'S RESPONSIBILITY TO PROVIDE A FIELD LABORATORY FOR USE FOR ANY ON SITE TESTING BY THE ENVIRONMENTAL FIRM. NO TESTING OF ANY KIND, CONTAMINATED OR NON-CONTAMINATED FLUID OR SOLID SHALL BE PERMITTED IN THE ENGINEER'S FIELD OFFICE.

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 FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.

IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THIS PROJECT REQUIRES AN US ARMY CORPS OF ENGINEERS 404 PERMIT. THE PERMIT ISSUED TO THE DEPARTMENT DOES NOT COVER THE IN STREAM WORK BY THE CONTRACTOR. THEREFOR AFTER AWARD, THE CONTRACTOR WILL NEED TO SUBMIT THE WORK PLAN TO THE CORPS. THE CORPS WILL NOT BE PROVIDING AN APPROVAL UNLESS STATED OTHERWISE IN THE PERMIT AND IN STREAM WORK CAN COMMENCE AT THE CONTRACTOR'S DISCRETION. GUIDELINES ON ACCEPTABLE IN STREAM WORK TECHNIQUES CAN BE FOUND ON THE CORPS WEBSITE: HTTP://WWW.LRC.USACE.ARMY.MIL/.

STATE STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-09	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHOULDER STRIP/SHOULDER WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" THRU 84"
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311-06	TRAVERSABLE PIPE GRATE
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602001-02	CATCH BASIN, TYPE A
602011-02	CATCH BASIN, TYPE C
602411-05	MANHOLE, TYPE A, 7' DIA.
604001-04	FRAME AND LIDE TYPE 1
604036-03	GRATE TYPE 8
604051-04	FRAME AND GRATE, TYPE 11
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATION, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATION, MULTILANE, MORE THAN 15' (4.5 m) FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATION DAY ONLY FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≥ 45 MPH
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-06	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
877001-06	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

GENERAL NOTES

THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: "PROTECTED WETLAND-NO INTRUSION". THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY A METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847)705-4171. WHEN WORK HAS BEEN COMPLETED, THE SIGN SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY FENCE STAKES AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "TEMPORARY FENCE".

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LIST OF STATE STANDARDS & GENERAL NOTES
IL ROUTE 56 AT RADDANT ROAD

FILE NAME	USER NAME	DESIGNED	REVISED	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\NLCB\EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT\Office\District 1\Projects\PI45309\Design\Design.dgn	shranisb	-	-	365	60N-3	KANE	93	2
		CHECKED	REVISED	CONTRACT NO. 60T23				
		DATE	REVISED	FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				
SCALE:				SHEET NO. OF SHEETS		STA. TO STA.		

URBAN

URBAN

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004	0021	0021	0028	
				80% FED 20% STATE ROADWAY	80% FED 13.3% STATE 6.7% CITY OF AURORA T. SIGNALS	100% CITY OF AURORA WATER MAIN LIGHTING E.V.P.	80% FED 20% CITY OF AURORA SHARED USE PATH	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	12	12				
20101000	TEMPORARY FENCE	FOOT	150	150				
20200100	EARTH EXCAVATION	CU YD	3950	3950				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2455	2455				
20400800	FURNISHED EXCAVATION	CU YD	2360	2360				
20700220	POROUS GRANULAR EMBANKMENT	CU YD	36	36				
20800150	TRENCH BACKFILL	CU YD	200.7	150		50.7		
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	4950	4950				
* 25000210	SEEDING, CLASS 2A	ACRE	2.5	2.5				
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	225	225				
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	225	225				
25000750	MOWING	ACRE	10	10				
25100630	EROSION CONTROL BLANKET	SO YD	28655	28655				
25200200	SUPPLEMENTAL WATERING	UNIT	50	50				
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	500	500				

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
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				80% FED 20% STATE ROADWAY	80% FED 13.3% STATE 6.7% CITY OF AURORA T. SIGNALS	100% CITY OF AURORA WATER MAIN LIGHTING E.V.P.	80% FED 20% CITY OF AURORA SHARED USE PATH	
28000305	TEMPORARY DITCH CHECKS	FOOT	180	180				
28000400	PERIMETER EROSION BARRIER	FOOT	6500	6500				
28000510	INLET FILTERS	EACH	18	18				
28100107	STONE RIPRAP, CLASS A4	SO YD	12	12				
28200200	FILTER FABRIC	SO YD	12	12				
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	183	183				
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	6160	6160				
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SO YD	3170				3170	
31102000	SUBBASE GRANULAR MATERIAL, TYPE C	CU YD	110	110				
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SO YD	75	75				
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	190	190				
35600711	HOT-MIX ASPHALT BASE COURSE WIDENING, 8 3/4"	SO YD	2660	2660				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	11220	11220				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	19	19				
* 40600400	SPECIALTY ITEMS							

15

SUMMARY OF QUANTITIES				URBAN CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004	0021	0021	0028	
				80% FED 20% STATE ROADWAY	80% FED 13.3% STATE 6.7% CITY OF AURORA T. SIGNALS	100% CITY OF AURORA WATER MAIN LIGHTING E.V.P.	80% FED 20% CITY OF AURORA SHARED USE PATH	
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	515	515				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	85	85				
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	740	30			710	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	345	345				
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	1195	1195				
42001300	PROTECTIVE COAT	SQ YD	90	90				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	150				150	
42400800	DETECTABLE WARNINGS	SQ FT	75				75	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	1675	1675				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	7860	7860				
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	170	170				

SUMMARY OF QUANTITIES				URBAN CONSTRUCTION TYPE CODE				
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44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	350	350				
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	112	112				
44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SQ YD	390	390				
48101202	AGGREGATE SHOULDERS, TYPE B	CU YD	85	85				
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	3050	3050				
50104400	CONCRETE HEADWALL REMOVAL	EACH	3	3				
50105220	PIPE CULVERT REMOVAL	FOOT	145	145				
50200100	STRUCTURE EXCAVATION	CU YD	36	36				
50300225	CONCRETE STRUCTURES	CU YD	8.2	8.2				
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2260	2260				
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	1	1				
54010603	PRECAST CONCRETE BOX CULVERTS 6' X 3'	FOOT	190	190				
54213477	END SECTIONS 42"	EACH	1	1				
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1				
	* SPECIALTY ITEMS							

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
OFFICIAL DISTRICT PROJECTS PHAS.309-CA00010-Design PHAS.309-CA00010-Design		CHECKED -	REVISED -
PLOT SCALE = 100000' / 1"		DATE -	REVISED -
PLOT DATE = 10/18/2016			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 56 (BUTTERFIELD ROAD) AT RADDANT ROAD			
SUMMARY OF QUANTITIES			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	4
CONTRACT NO. 60T23				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004	0021	0021	002B
				80% FED 20% STATE ROADWAY	80% FED 13.3% STATE 6.7% CITY OF AURORA T. SIGNALS	100% CITY OF AURORA WATER MAIN LIGHTING E.V.P.	80% FED 20% CITY OF AURORA SHARED USE PATH
54213663	PRECAST REINFORCED CONCRETE FLARED END	EACH	5	5			
	SECTIONS 18"						
54213666	PRECAST REINFORCED CONCRETE FLARED END	EACH	2	2			
	SECTIONS 21"						
54213669	PRECAST REINFORCED CONCRETE FLARED END	EACH	3	3			
	SECTIONS 24"						
54213681	PRECAST REINFORCED CONCRETE FLARED END	EACH	1	1			
	SECTIONS 36"						
54247130	GRATING FOR CONCRETE FLARED END SECTION	EACH	3	3			
	24"						
54260311	TRAVERSABLE PIPE GRATE	FOOT	29.5	29.5			
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	11	11			
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	560	560			
550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	150	150			
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	138	138			
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	7	7			
550A0180	STORM SEWERS, CLASS A, TYPE 1 42"	FOOT	182	182			
55100900	STORM SEWER REMOVAL 18"	FOOT	260	260			

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004	0021	0021	002B
				80% FED 20% STATE ROADWAY	80% FED 13.3% STATE 6.7% CITY OF AURORA T. SIGNALS	100% CITY OF AURORA WATER MAIN LIGHTING E.V.P.	80% FED 20% CITY OF AURORA SHARED USE PATH
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	6	6			
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	60	60			
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	800	800			
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2	2			
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	1			
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
60500050	REMOVING CATCH BASINS	EACH	2	2			
60600095	CLASS 51 CONCRETE (OUTLET)	CU YD	2	2			
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	325	325			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	365	365			
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1			
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1			
13*	SPECIALTY ITEMS						

SUMMARY OF QUANTITIES				URBAN CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004	0021	0021	002B		
				80% FED 20% STATE ROADWAY	80% FED 13.3% STATE 6.7% CITY OF AURORA T. SIGNALS	100% CITY OF AURORA WATER MAIN LIGHTING E.V.P.	80% FED 20% CITY OF AURORA SHARED USE PATH		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6					
67100100	MOBILIZATION	L SUM	1	1					
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	6	6					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2300	2300					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	1150	1150					
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	255	255					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	13355	13355					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1000	1000					
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	240	240					
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	260	260					
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	75	75					
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	1150	1150					
* 72000100	SIGN PANEL - TYPE 1	SO FT	17	17					
* 72000200	SIGN PANEL - TYPE 2	SO FT	15	15					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	255	255					

SUMMARY OF QUANTITIES				URBAN CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004	0021	0021	002B		
				80% FED 20% STATE ROADWAY	80% FED 13.3% STATE 6.7% CITY OF AURORA T. SIGNALS	100% CITY OF AURORA WATER MAIN LIGHTING E.V.P.	80% FED 20% CITY OF AURORA SHARED USE PATH		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	13355	13355					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1000	1000					
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	240	240					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	260	260					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	75	75					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	100	100					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	87	87					
* 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1	1					
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1708	1708					
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	152	152					
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	163	163					
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	230	230					
* 81400100	HANDHOLE	EACH	2	2					
* *	SPECIALTY ITEMS								

FILE NAME =	USER NAME = utrorlab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINOIS ROUTE 56 (BUTTERFIELD ROAD) AT RADDANT ROAD SUMMARY OF QUANTITIES			F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
phy:\VLD\B\EB\INTEG\Illind.sgn\PH1001\Documents\1001	Office\utrorlab\Projects\145309\CAO\Design\PH1001	CHECKED -	REVISED -					365	60N-3	KANE	93	6
	PLOT SCALE = 100,000' = 1" / In.	CHECKED -	REVISED -					CONTRACT NO. 60T23				
	PLOT DATE = 10/21/2006	DATE -	REVISED -					SCALE: SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				URBAN CONSTRUCTION TYPE CODE				SUMMARY OF QUANTITIES				URBAN CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE ROADWAY	0021 80% FED 13.3% STATE 6.7% CITY OF AURORA T. SIGNALS	0021 100% CITY OF AURORA WATER MAIN LIGHTING E.V.P.	002B 80% FED 20% CITY OF AURORA SHARED USE PATH	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE ROADWAY	0021 80% FED 13.3% STATE 6.7% CITY OF AURORA T. SIGNALS	0021 100% CITY OF AURORA WATER MAIN LIGHTING E.V.P.	002B 80% FED 20% CITY OF AURORA SHARED USE PATH
* 81400200	HEAVY-DUTY HANDHOLE	EACH	7		7			* 87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1		1		
* 81400300	DOUBLE HANDHOLE	EACH	1		1			* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3		3		
* 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	1			1		* 87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1		1		
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1			* 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1		1		
* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1			* 87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1		1		
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER. NO. 14 1C	FOOT	1600		1600			* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20		20		
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	258		258			* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4		
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	546		272	274		* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	37		37		
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 5C	FOOT	1277		1277			* 87900200	DRILL EXISTING HANDHOLE	EACH	1		1		
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 7C	FOOT	776		776			* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4		4		
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1458		1458			* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4		4		
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	206		206			* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		2		
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	910		910			* 12	SPECIALTY ITEMS						

SUMMARY OF QUANTITIES				URBAN CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES				URBAN CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004	0021	0021	0028	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004	0021	0021	0028		
				80% FED 20% STATE ROADWAY	80% FED 13.3% STATE 6.7% CITY OF AURORA T. SIGNALS	100% CITY OF AURORA WATER MAIN LIGHTING E.V.P.	80% FED 20% CITY OF AURORA SHARED USE PATH					80% FED 20% STATE ROADWAY	80% FED 13.3% STATE 6.7% CITY OF AURORA T. SIGNALS	100% CITY OF AURORA WATER MAIN LIGHTING E.V.P.	80% FED 20% CITY OF AURORA SHARED USE PATH		
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2		2			* A2006816	TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5					
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2		2			* A2008468	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	6	6					
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	6		6			* K0013000	PERENNIAL PLANTS, PRAIRIE TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	3.52	3.52					
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	6		6			* K0013060	PERENNIAL PLANTS, SEDGE MEADOW TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	2.56	2.56					
* 88600100	DETECTOR LOOP, TYPE I	FOOT	470		470			* K0029632	WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL	GALLON	5	5					
* 88700200	LIGHT DETECTOR	EACH	2			2		* K1005863	TREE ROOT PRUNING	EACH	15	15					
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1			1		* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	274			274			
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	2		2			* X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	10710	10710					
* A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	10	10				* X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	6300	6300					
* A2005040	TREE, GYMNOCLADUS DIOICUS ESPRESSO-JFS (ESPRESSO KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	11	11				* X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1			1			
* A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5				* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1			1			
* 88000000	SPECIALTY ITEMS																

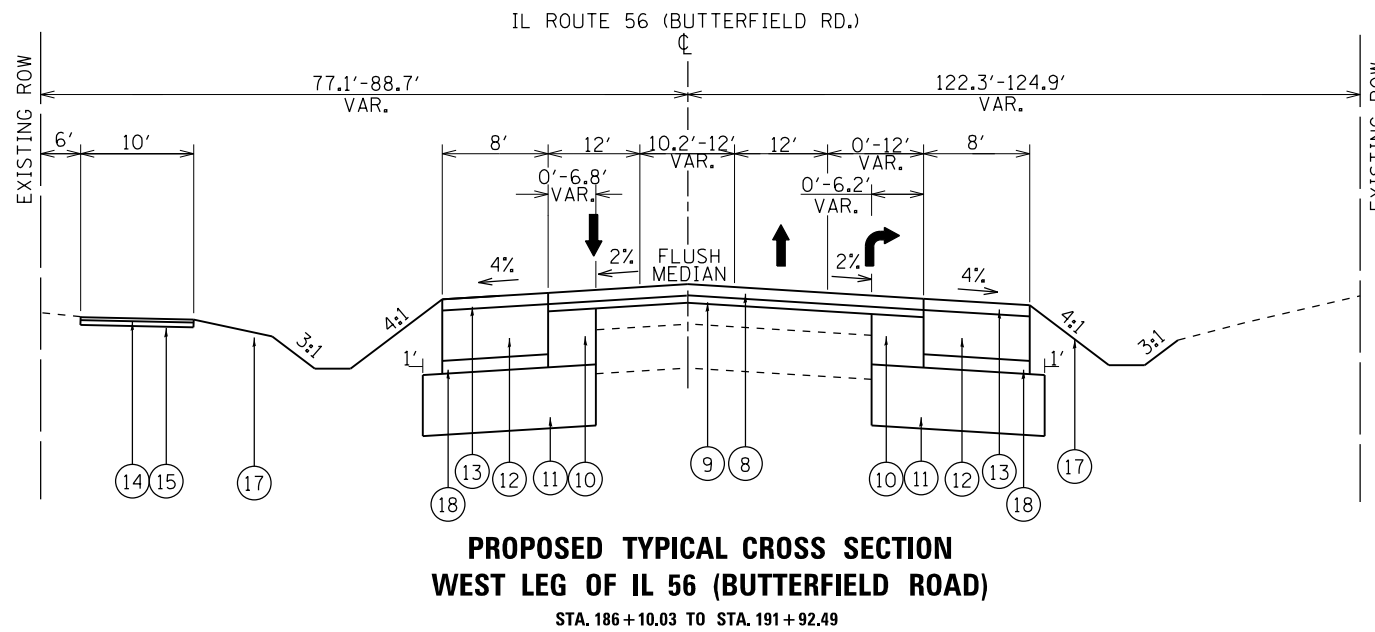
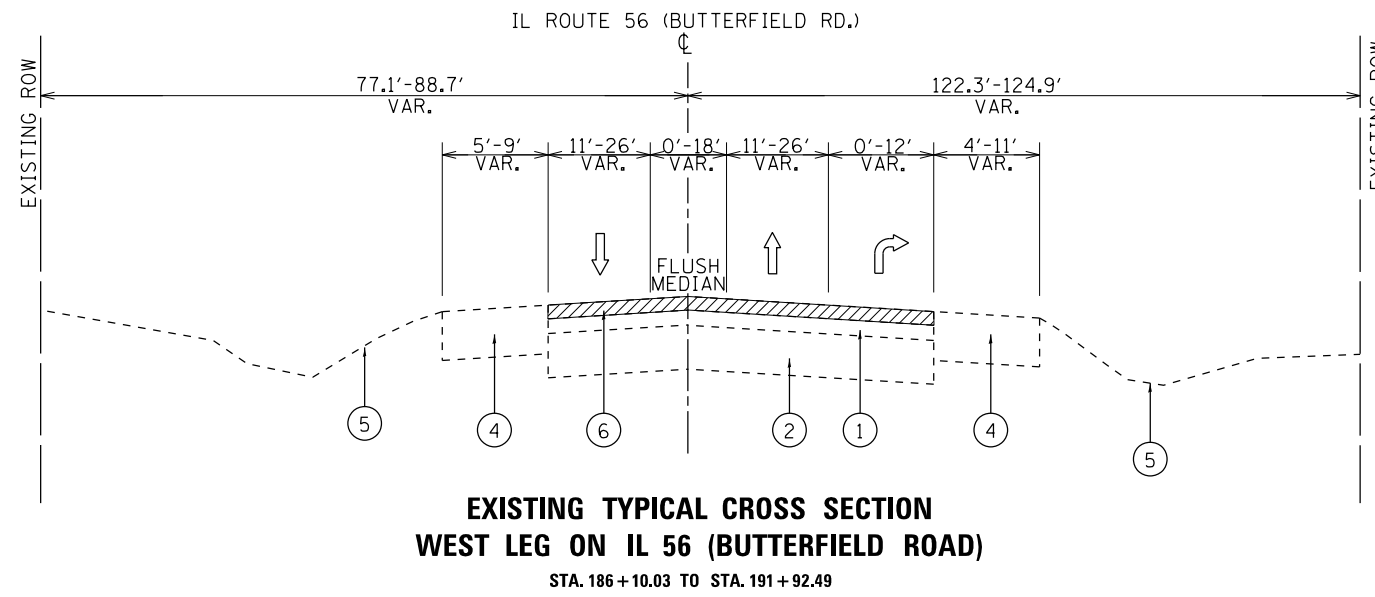
EARTHWORK						
1	2	3	4	5	6	7
IL 56 (BUTTERFIELD RD. AT RADDANT RD.)	EARTH EXCAVATION (CU YD)	EMBANKMENT (CU YD)	ADJUSTMENT FOR SHRINKAGE (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	UNSUITABLE MATERIAL (CU YD)	TOPSOIL EXCAVATION AND PLACEMENT (CU YD)
IL 56 (STA. 183+00 TO STA. 212+00)	3,629	4,824	3,084	-1,741	2,210	4,454
RADDANT RD. (STA. 10+00 TO STA. 16+50)	321	892	273	-619	245	496
TOTAL	3,950	5,716	3,357	-2,360	2,455	4,950

COLUMN 1: LOCATION FROM PLANS
 COLUMN 2: CUT QUANTITIES FROM CROSS SECTIONS, WHICH DOES NOT INCLUDE UNSUITABLE MATERIAL
 COLUMN 3: QUANTITIES FROM CROSS SECTIONS (FILL)
 COLUMN 4: EARTH EXCAVATION THAT IS TO BE USED AS FILL MATERIAL IN THE EMBANKMENT, SHRINKAGE FACTOR IS 15%
 COLUMN 5: COLUMN 4 - COLUMN 3
 POSITIVE QUANTITY = EXTRA EXCAVATION
 NEGATIVE QUANTITY = FURNISHED EXCAVATION NEEDED
 COLUMN 6: CUT MATERIAL THAT IS DETERMINED TO BE EITHER UNSTABLE OR UNSUITABLE FOR USE IN EMBANKMENT
 COLUMN 7: TOPSOIL EXCAVATION AND PLACEMENT = AREA OF SOD AND TOPSOIL

NOTES:

- TOPSOIL SHALL BE EXCAVATED TO A DEPTH OF 12" THROUGHOUT THE PROJECT LIMITS.
- EXCAVATED TOPSOIL REQUIRED AT LOCATIONS OF NEW SOD AS SHOWN ON THE LANDSCAPING PLAN SHALL BE PLACED AT A DEPTH OF 8" AND PAID FOR AS TOPSOIL EXCAVATION AND PLACEMENT.
- EXCAVATED TOPSOIL NOT REQUIRED ON THE PROJECT SHALL BE CONSIDERED UNSUITABLE MATERIAL AND PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

TREE REMOVAL		
TREE REMOVAL (6 TO 15 UNITS DIAMETER)		
IL 56 (BUTTERFIELD ROAD)		
STATION	OFFSET (FT)	UNITS
186+14	66.4 LT	6
186+40	70.0 LT	6
TOTAL:		12



LEGEND

- ① EXISTING HMA OVERLAY, +/-6"
- ② EXISTING HMA BASE COURSE, +/-9"
- ③ EXISTING HMA PAVEMENT, +/-5"
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING TURF GRASS LANDSCAPING
- ⑥ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑦ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ⑧ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
- ⑨ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑩ PROPOSED HMA BASE COURSE, 8 3/4"
- ⑪ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑫ PROPOSED HMA SHOULDER, 8"
- ⑬ PROPOSED HMA SURFACE COURSE, MIX "D" N70, 2"
- ⑭ PROPOSED HMA SURFACE COURSE, MIX "D" N50, 4" (SHARED USE PATH)
- ⑮ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B, 6" (SHARED USE PATH)
- ⑯ PROPOSED AGGREGATE SHOULDER, TYPE B, 6"
- ⑰ PROPOSED TURF (SEE LANDSCAPING PLANS)
- ⑱ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE C

NOTES:

MILLING OF THE ROADWAY SHALL BE DONE PRIOR TO PAVEMENT PATCHING.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE USES	DESIGN AIR VOIDS @ N _{DES}	OMP

PAVEMENT WIDENING AND RESURFACING		
POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, (IL-9.5 mm)	4% AT 70 GYR.	QCP
POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, (IL-9.5 mm)	3.5% AT 50 GYR.	QCP
HMA BASE COURSE (HMA BINDER IL-19.0 mm), 8 3/4"	4% AT 90 GYR.	QCP (NOTE 1)
TEMPORARY PAVEMENT (HMA BINDER IL-19.0 mm), 10"	4% AT 70 GYR.	QC/QA

PATCHING		
CLASS D PATCHES, (HMA BINDER IL-19.0 mm)	4% AT 70 GYR.	QC/QA

SHOULDERS		
HMA SURFACE COURSE, MIX "D", N70, (IL-9.5 mm)	4% AT 70 GYR.	QC/QA
HMA SHOULDER, (HMA BINDER IL-19.0 mm)	4% AT 90 GYR.	QCP (NOTE 1)

SHARED USE PATH		
HMA SURFACE COURSE, MIX "D", N50, (IL-9.5 mm)	4% AT 50 GYR.	QC/QA

DRIVEWAYS		
HMA SURFACE COURSE, MIX "D", N50, (IL-9.5 mm), 2"	4% AT 50 GYR.	QC/QA
HMA BASE COURSE, (HMA BINDER IL-19.0 mm), 8"	4% AT 50 GYR.	QC/QA

OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA);
QUALITY CONTROL FOR PERFORMANCE (QCP)

NOTE 1. THE DENSITY FOR THIS MIX WILL BE ASSIGNED 100 PERCENT PAY FACTOR, BE TESTED RANDOMLY AT THE FREQUENCY REQUIRED IN THE HMA-QUALITY CONTROL FOR PERFORMANCE SPECIAL PROVISION, AND SHALL MEET MINIMUM QC/QA DENSITY REQUIREMENTS IN ACCORDANCE WITH ART. 1030 OF THE STANDARD SPECIFICATIONS.

NOTES:

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

THE "AC TYPE FOR POLYMERIZED HMA MIXES 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.

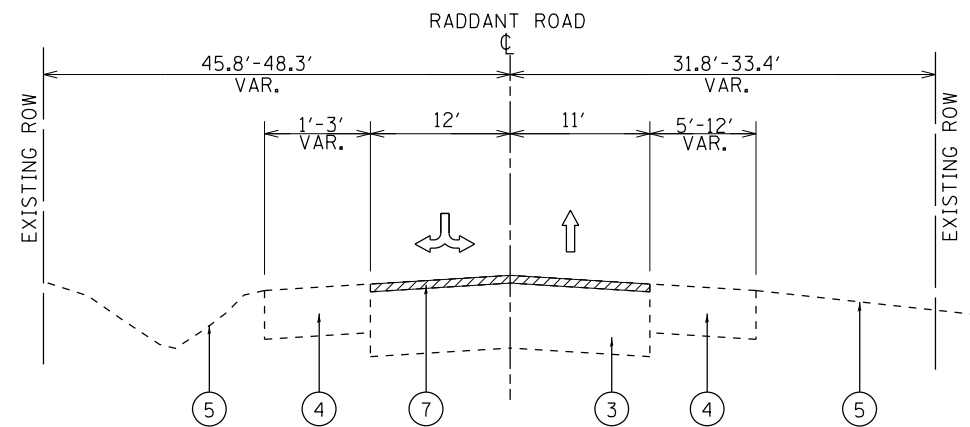
FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -
pw\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\P145309\Design\Design.dgn		CHECKED -	REVISED -
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Default			

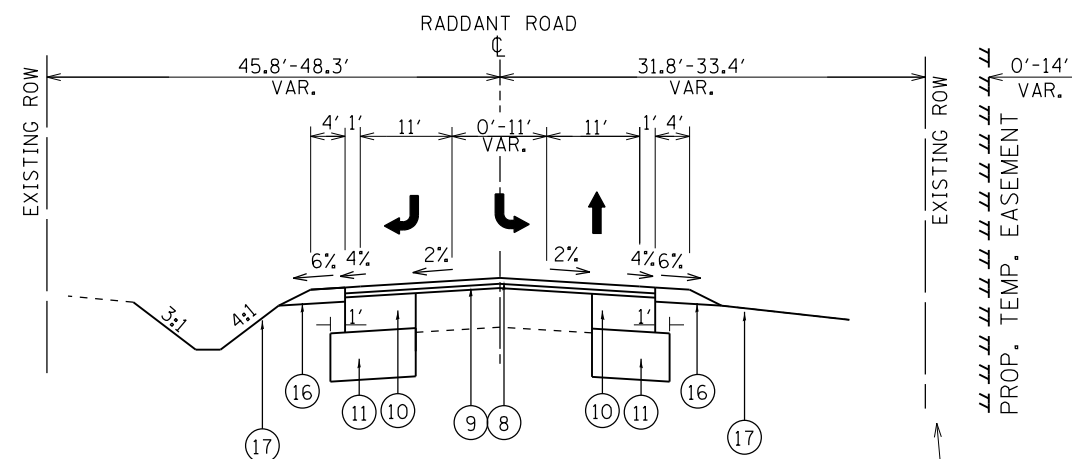
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS			
IL. ROUTE 56 AT RADDANT RD.			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	11
CONTRACT NO. 60T23				
ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL CROSS SECTION
RADDANT ROAD
STA. 10+68 TO STA. 16+22**



**PROPOSED TYPICAL CROSS SECTION
RADDANT ROAD
STA. 10+68 TO STA. 16+22**

EASEMENT NECESSARY WHERE THE EXIST. ROW INTERSECTS W/ IL 56 ROW. (FOR GRADING PURPOSES)

LEGEND

- ① EXISTING HMA OVERLAY, +/-6"
- ② EXISTING HMA BASE COURSE, +/-9"
- ③ EXISTING HMA PAVEMENT, +/-5"
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING TURF GRASS LANDSCAPING
- ⑥ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑦ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ⑧ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
- ⑨ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑩ PROPOSED HMA BASE COURSE, 8 3/4"
- ⑪ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑫ PROPOSED HMA SHOULDER, 8"
- ⑬ PROPOSED HMA SURFACE COURSE, MIX "D" N70, 2"
- ⑭ PROPOSED HMA SURFACE COURSE, MIX "D" N50, 4" (SHARED USE PATH)
- ⑮ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B, 6" (SHARED USE PATH)
- ⑯ PROPOSED AGGREGATE SHOULDER, TYPE B, 6"
- ⑰ PROPOSED TURF (SEE LANDSCAPING PLANS)
- ⑱ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE C

NOTES:

MILLING OF THE ROADWAY SHALL BE DONE PRIOR TO PAVEMENT PATCHING.

SUBGRADE TREATMENT PLAN NOTES:

AGGREGATE SUBGRADE IMPROVEMENT, DISTRICT ONE SPECIAL PROVISION (INCLUDED IN THE CONTRACT DOCUMENTS) IS RECOMMENDED FOR THE SUBGRADE IMPROVEMENT. THIS MATERIAL WILL PROVIDE A STABLE SUBGRADE FOR ROADWAY CONSTRUCTION THROUGHOUT THE MAJORITY OF THE PROJECT. WE RECOMMEND AN UNDERCUT AT THE FOLLOWING LOCATION:

ILLINOIS ROUTE 56 STA. 188+00 TO STA. 192+00 6 INCH UNDERCUT, FULL WIDTH

POTENTIALLY UNSUITABLE/UNSTABLE SOILS IN THE AREA LISTED ABOVE SHOULD BE REPLACED WITH MATERIAL THAT MEETS THE AGGREGATE SUBGRADE IMPROVEMENT SPECIAL PROVISION (INCLUDED IN THE CONTRACT DOCUMENTS). THE MATERIAL USED FOR UNDERCUT REPLACEMENT IS A CUBIC YARD PAY ITEM.

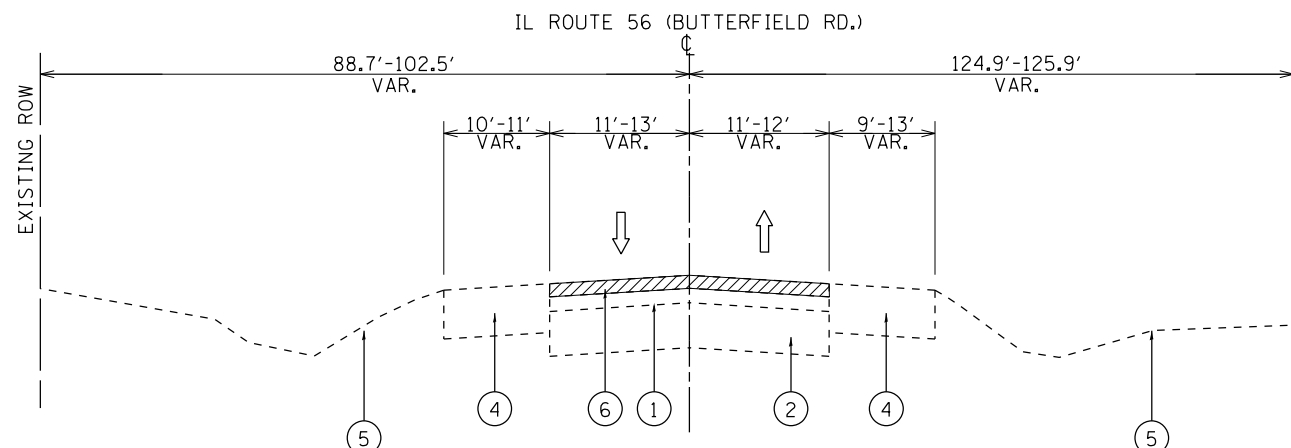
AGGREGATE SUBGRADE IMPROVEMENT (CU YD) IS PROVIDED FOR USE AT LOCATIONS WHERE SUBGRADE SOILS ARE IDENTIFIED AS UNSTABLE AND/OR UNSUITABLE. THE NEED FOR REMOVAL OF SUCH SOILS WILL BE DETERMINED BY A TRAINED SOILS INSPECTOR/ENGINEER THROUGH THE USE OF A STATIC OR DYNAMIC CONE PENETROMETERS AND DEPTH OF REMEDIATION TREATMENT ACCORDING TO THE SUBGRADE STABILITY MANUAL. THE REMOVAL OF SUCH SOILS WILL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD).

PIPE UNDERDRAIN NOTES:

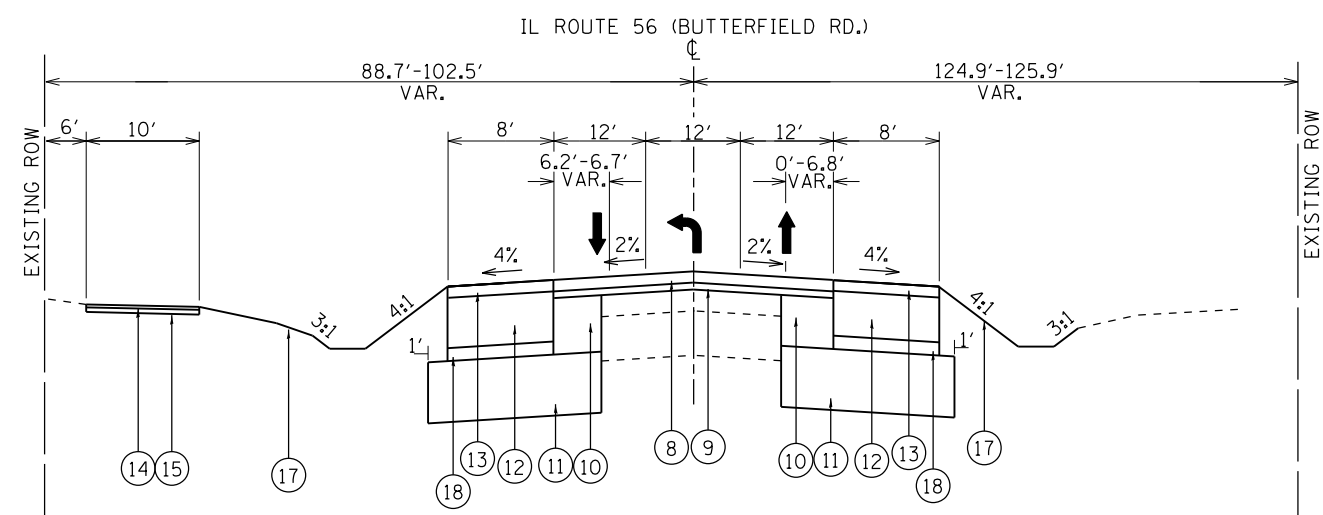
LONGITUDINAL UNDERDRAINS MUST BE PLACED ALONG THE OUTSIDE EDGES OF THE PROPOSED WIDENING FOR BOTH ILLINOIS ROUTE 56 AND RADDANT ROAD AT APPROXIMATELY FOLLOWING LOCATIONS:

ALIGNMENT	STATION LOCATIONS
ILLINOIS ROUTE 56	189+50 TO 190+50, SOUTH SIDE OF ROADWAY 197+00 TO 198+00, SOUTH SIDE OF ROADWAY 194+00 TO 196+00, NORTH SIDE OF ROADWAY 199+00 TO 201+00, NORTH SIDE OF ROADWAY
RADDANT ROAD	11+00 TO 12+00, BOTH SIDES OF ROADWAY

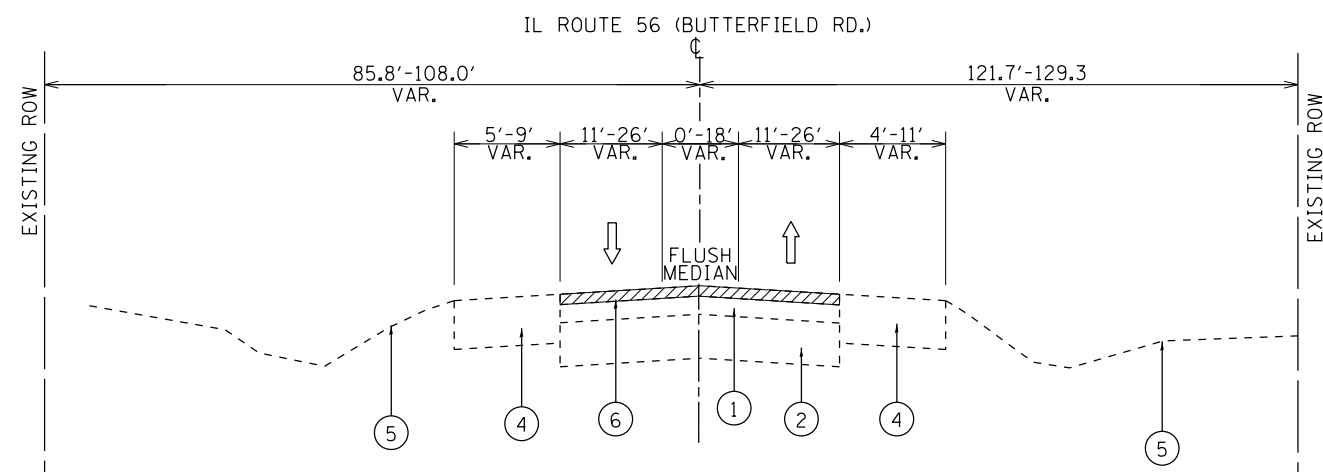
PIPE UNDERDRAINS TYPE 2 SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE SUBGRADE OR UNDERCUT. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF PIPE UNDERDRAINS.



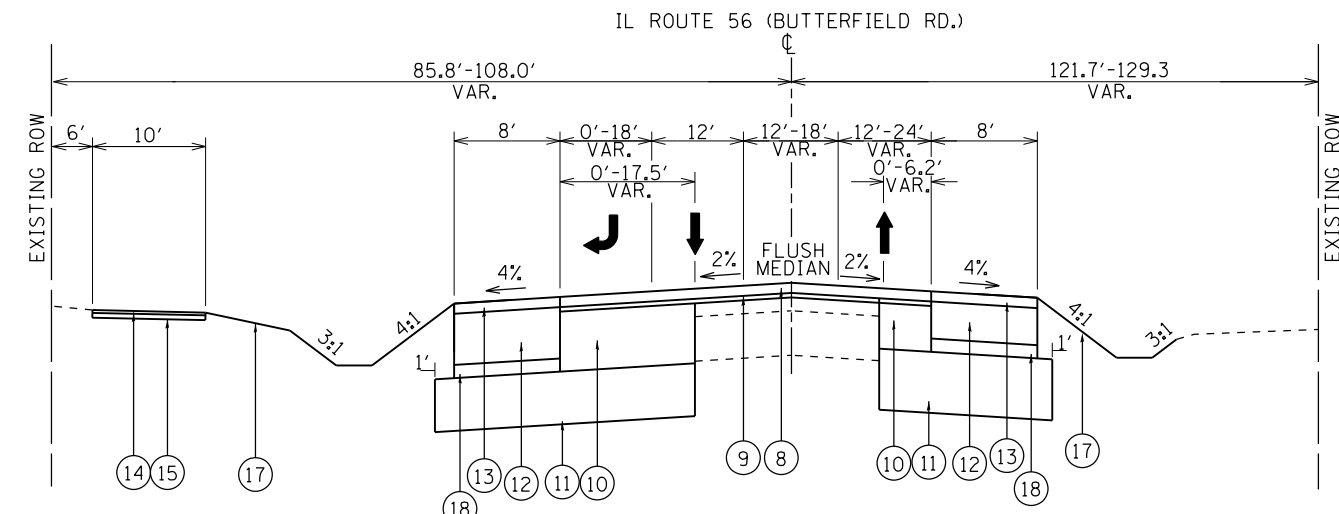
**EXISTING TYPICAL CROSS SECTION
WEST LEG ON IL 56 (BUTTERFIELD ROAD)**
STA. 191+92 TO STA. 196+13



**PROPOSED TYPICAL CROSS SECTION
WEST LEG OF IL 56 (BUTTERFIELD ROAD)**
STA. 191+92 TO STA. 196+13



**EXISTING TYPICAL CROSS SECTION
EAST LEG ON IL 56 (BUTTERFIELD ROAD)**
STA. 196+13 TO STA. 205+47



**PROPOSED TYPICAL CROSS SECTION
EAST LEG OF IL 56 (BUTTERFIELD ROAD)**
STA. 196+13.72 TO STA. 205+47.14

LEGEND

- ① EXISTING HMA OVERLAY, +/-6"
- ② EXISTING HMA BASE COURSE, +/-9"
- ③ EXISTING HMA PAVEMENT, +/-5"
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING TURF GRASS LANDSCAPING
- ⑥ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑦ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ⑧ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
- ⑨ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑩ PROPOSED HMA BASE COURSE, 8 3/4"
- ⑪ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑫ PROPOSED HMA SHOULDER, 8"
- ⑬ PROPOSED HMA SURFACE COURSE, MIX "D" N70, 2"
- ⑭ PROPOSED HMA SURFACE COURSE, MIX "D" N50, 4" (SHARED USE PATH)
- ⑮ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B, 6" (SHARED USE PATH)
- ⑯ PROPOSED AGGREGATE SHOULDER, TYPE B, 6"
- ⑰ PROPOSED TURF (SEE LANDSCAPING PLANS)
- ⑱ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE C

NOTES:

MILLING OF THE ROADWAY SHALL BE DONE PRIOR TO PAVEMENT PATCHING.

FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -
pw\l\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\P145309\Design\Design.dgn		REVISED -	
Default	PLOT SCALE = 100.000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/18/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS			
IL. ROUTE 56 AT RADDANT RD.			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	13
CONTRACT NO. 60T23				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 56
(BUTTERFIELD RD.)

IL. ROUTE 56
(BUTTERFIELD RD.)

IL. ROUTE 56
(BUTTERFIELD RD.)

RADDANT RD.

EXIST. CURVE E_IL56-1
 PI STA. = 206+08.20
 $\Delta = 2^\circ 24' 55''$ (LT)
 $D = 0^\circ 11' 55''$
 $R = 28,850.00'$
 $T = 608.17'$
 $L = 1,216.16'$
 $E = 6.41'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 200+00.03
 P.T. STA. = 212+16.19

EXIST. CURVE E_IL56-2
 PI STA. = 221+47.12
 $\Delta = 1^\circ 31' 54''$ (LT)
 $D = 0^\circ 08' 40''$
 $R = 39,683.42'$
 $T = 530.49'$
 $L = 1,060.92'$
 $E = 3.55'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 216+16.62
 P.T. STA. = 226+77.55

ALIGNMENT COORDINATES - ILL. RTE. 56			
	STATION	N	E
POT	182+74.74	1,873,933.418	994,843.240
PI	186+10.03	1,873,974.175	995,176.045
PI	194+04.79	1,874,074.222	995,964.482
PC	200+00.03	1,874,146.839	996,555.246
PI	206+08.20	1,874,221.041	997,158.902
PT	212+16.19	1,874,320.611	997,758.864

ALIGNMENT COORDINATES - RADDANT DR.			
	STATION	N	E
POT	10+00.00	1,874,111.912	996,271.102
PI	13+14.47	1,874,426.297	996,263.847
PT	15+78.83	1,874,690.635	996,260.282
POT	16+88.10	1,874,799.903	996,259.219

FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -
ca:\pwwork\p145309\shiranisb\d0329964\p145309-sht-ATB.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/3/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS			
IL. ROUTE 56 AT RADDANT ROAD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	14
CONTRACT NO. 60T23				
ILLINOIS FED. AID PROJECT				

SOURCE: NGS BENCHMARKS

STATION DESIGNATION: MF 1232
 ESTABLISHED BY: NGS
 DATE: 1956

ELEVATION: 777.43 (PUBLISHED) 777.43 (MEAS.)
 DATUM: NAVD88
 DESCRIPTION: THE STATION IS LOCATED ALONG ILLINOIS ROUTE 56 (BUTTERFIELD ROAD) EAST OF THE ENTRANCE FOR MARMION MILITARY ACADEMY, 650.0 FT WEST OF THE CENTERLINE OF THE MILITARY ACADEMY ENTRANCE AND 60.0 FT NORTH OF THE CENTERLINE OF ILLINOIS ROUTE 56. THE MONUMENT IS A 3.5 INCH DISK SET IN CONCRETE AND LEVEL WITH ROAD GRADE.

STATION DESIGNATION: AJ3009
 ESTABLISHED BY: NGS
 DATE: 2000

ELEVATION: 758.77 (PUBLISHED) 758.72 (MEAS.)
 DATUM: NAVD88
 DESCRIPTION: THE STATION IS LOCATED NORTHWEST OF THE INTERSECTION OF THE ILLINOIS PRAIRIE PATH WITH KIRK ROAD. THE STATION IS 49.5 FT WEST OF THE CENTERLINE OF KIRK ROAD, 334.0 FT NORTH OF THE CENTERLINE OF THE ILLINOIS PRAIRIE PATH AND 229.0 FT SOUTH OF A GUARDRAIL ALONG THE WEST SIDE OF KIRK ROAD. THE MONUMENT IS A STEEL ROD WITH A LID AT ROAD SURFACE GRADE AND IS FERROMAGNETIC.

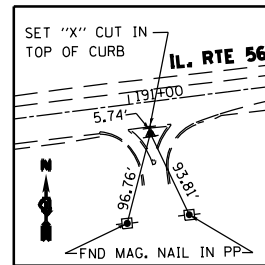
SITE:

STATION DESIGNATION: SBM#1 V3 CP104
 ESTABLISHED BY: V3 COMPANIES
 DATE: 11/19/2009

ELEVATION: 774.83 (MEASURED)
 DATUM: NAVD88
 DESCRIPTION: SET CUT CROSS IN CURB AT NORTHWEST CORNER OF IL-56 (BUTTERFIELD ROAD) AND MARMION ACADEMY DRIVE.

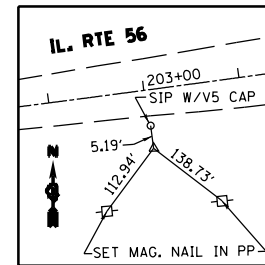
STATION DESIGNATION: SBM#2
 ESTABLISHED BY: V3 COMPANIES
 DATE: 10/25/2009

ELEVATION: 756.24 (MEASURED)
 DATUM: NAVD88
 DESCRIPTION: SET CUT CROSS AT THE NORTHWEST CORNER OF A TRAFFIC CONTROL VAULT AT SOUTHWEST CORNER OF IL-56 (BUTTERFIELD ROAD) AND CHURCH ROAD.



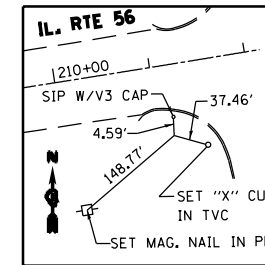
CONTROL POINT #301

SET 3/4" x 30" IRON ROD
 STA. 191+18.19
 OFFSET 33.0' RT
 N=1,874,005.3772
 E=995,684.0683



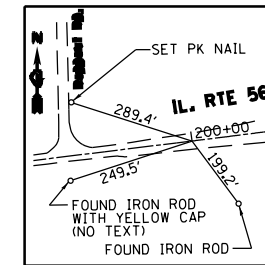
CONTROL POINT #302

SET 3/4" x 30" IRON ROD
 STA. 203+02.71
 OFFSET 37.33' RT
 N=1,874,142.9198
 E=996,860.8133



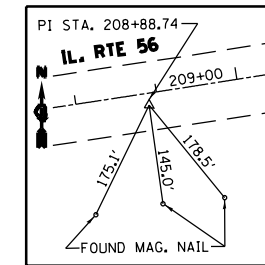
CONTROL POINT #303

SET 3/4" x 30" IRON ROD
 STA. 211+16.79
 OFFSET 67.34' RT
 N=1,874,238.0244
 E=997,671.5164



PC

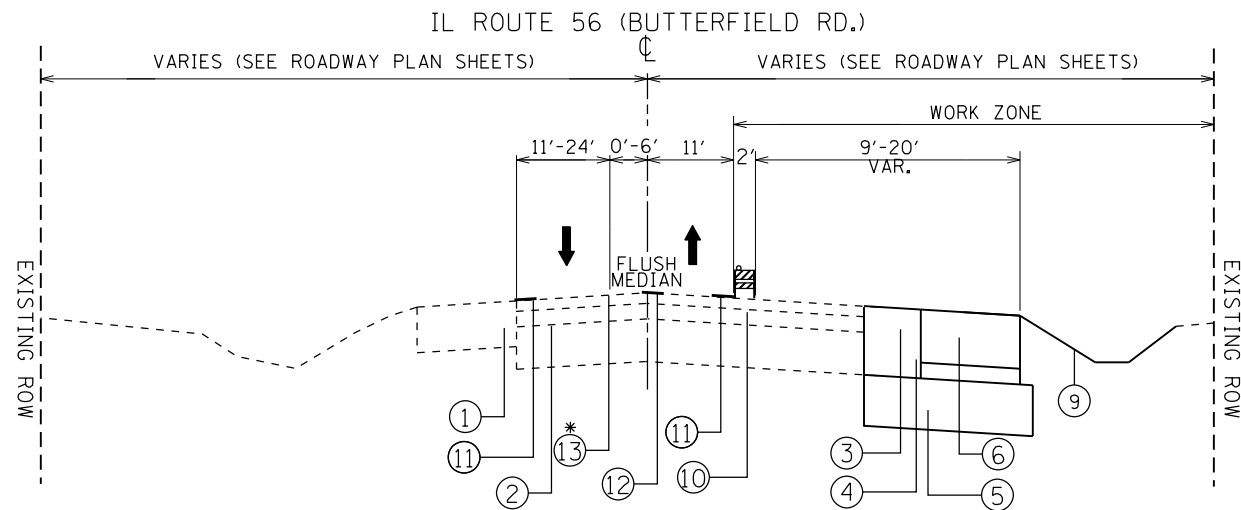
STA. 200+00.03
 OFFSET 0'
 N=1,874,146.839
 E=996,555.246



PI

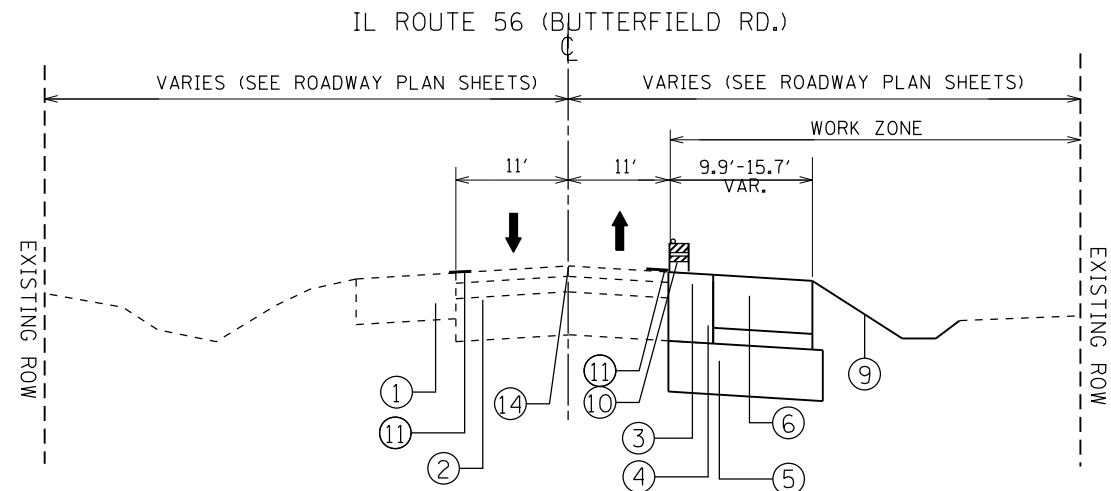
STA. 208+88.74
 OFFSET 14.69' RT
 N=1,874,254.312
 E=997,437.733

FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT, TIES AND BENCHMARKS IL. ROUTE 56 AT RADDANT ROAD				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\shiranisb\140329964\PI140309-sht-ATB.dgn	140309-sht-ATB.dgn	DRAWN -	REVISED -		365	60N-3	KANE	93	15				
Default	PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 60T23				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 6/3/2014	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		



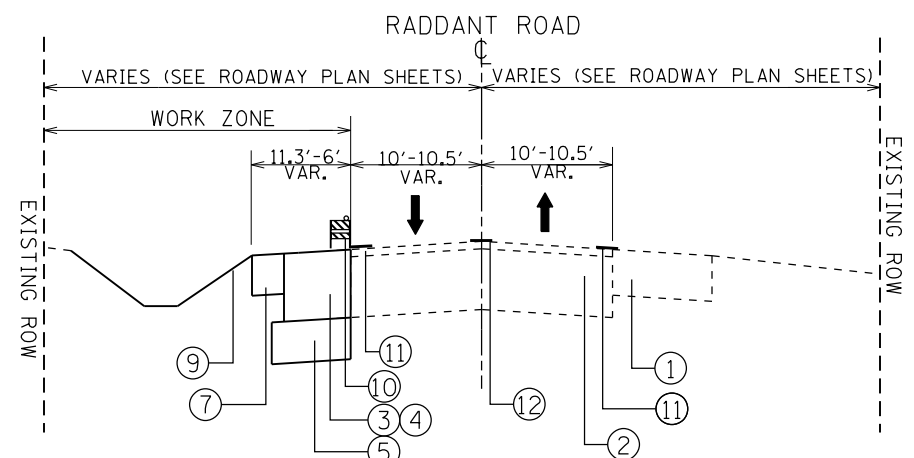
STA. 186+10 TO STA. 191+92
 STA. 199+15 TO STA. 205+47

* SEE SUGGESTED STAGE I & STAGE II MAINTENANCE OF TRAFFIC PLAN SHEETS FOR THE LOCATIONS.



NOTE: THIS SECTION OF STAGE 1 SHALL FOLLOW IDOT STANDARD 701201-03 FOR DAILY LANE CLOSURES DURING OFF-PEAK HOURS (9AM-3PM). TWO LANES MUST BE KEPT OPEN DURING AM AND PM SCHOOL HOURS (7AM-9AM AND 3PM-5PM).

STA. 191+92 TO STA. 199+15



NOTE: THIS SECTION OF STAGE 1 SHALL FOLLOW IDOT STANDARD 701201-03 FOR DAILY LANE CLOSURES DURING OFF-PEAK HOURS (9AM-3PM). TWO LANES MUST BE KEPT OPEN DURING AM AND PM SCHOOL HOURS (7AM-9AM AND 3PM-5PM).

STA. 10+68 TO STA. 16+22.5

LEGEND

- ① EXISTING HMA & AGGREGATE SHOULDER
- ② EXISTING HMA PAVEMENT
- ③ PROPOSED HMA SURFACE COURSE
- ④ PROPOSED HMA BASE COURSE
- ⑤ PROPOSED AGGREGATE SUBGRADE
- ⑥ PROPOSED HMA SHOULDER
- ⑦ PROPOSED AGGREGATE SHOULDER
- ⑧ PROPOSED SHARED USE PATH
- ⑨ PROPOSED TURF GRASS
- ⑩ BARRICADES OR DRUMS WITH STEADY BURN BI-DIRECTIONAL LIGHTS
- ⑪ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (WHITE EDGE LINE)
- ⑫ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE YELLOW LINE)
- ⑬ WET REFLECTIVE TEMPORARY TAPE TYPE III, 6" (WHITE SOLID LINE)
- ⑭ EXISTING PAVEMENT MARKINGS

GENERAL NOTES

ALL OF THE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A SUGGESTED MAINTENANCE OF TRAFFIC.

THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE SPECIAL PROVISIONS, STATE STANDARDS, STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL PROVIDE ADVANCE NOTICE CONSTRUCTION SIGNING. SIGNS SHALL BE ERECTED ONE WEEK IN ADVANCE OF THE START OF CONSTRUCTION. SIGNS SHALL BE TAKEN DOWN AS SOON AS THEY ARE NO LONGER APPLICABLE ON A CONTINUOUS BASIS AND RE-ERECTED AS APPROPRIATE.

THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION.

PRE-STAGE

PRIOR TO THE BEGINNING OF STAGE I CONTRACTOR SHALL UTILIZE APPLICABLE HIGHWAY STANDARDS FOR THE TRAFFIC CONTROL AND PROTECTION FOR DAY TIME LANE CLOSURES TO CONSTRUCT PROPOSED STORM SEWER AND PIPE CULVERT LATERALS, REMOVE/FILL THE EXISTING STORM SEWER AND PIPE CULVERT LATERALS AND PERFORM ANY UTILITY ADJUSTMENTS NECESSARY TO MAINTAIN PROPER DRAINAGE DURING THE TIME OF CONSTRUCTION. IN ORDER TO CONSTRUCT THE PROPOSED BOX CULVERT CROSSING IL 56 DURING THIS STAGE, A SMALL AREA OF TEMPORARY PAVEMENT WIDENING ON SOUTH SIDE OF IL 56 WILL BE CONSTRUCTED TO BE USED JUST DURING THE DAYTIME CLOSURES TO ACCOMMODATE ONE 11 FOOT THRU LANE TO MAINTAIN THE EXISTING TRAFFIC (SEE THE MOT PLANS).

ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY PATCHING OPERATIONS OR AS ADVISED BY THE ENGINEER SHALL BE REPLACED AND PAID FOR IN KIND.

STAGE I

ONE LANE (11 FEET) IN EACH DIRECTION SHALL BE KEPT OPEN TO THROUGH TRAFFIC DURING THE PEAK AM AND PM RUSH HOURS AS NOTED IN PLANS ALONG THE RADDANT ROAD AND IL 56 (BUTTERFIELD ROAD). DURING THE OFF-PEAK HOURS, A SECTION ALONG IL 56 AND WIDENING ALONG THE WEST SIDE OF RADDANT ROAD WHERE WHICH DOES NOT HAVE SUFFICIENT WIDTH TO PROVIDE AN OPEN LANE OF TRAFFIC IN EACH DIRECTION WILL REQUIRE DAILY LANE CLOSURES.

EXISTING PAVEMENT MARKINGS CONFLICTING WITH THE PROPOSED LANE CONFIGURATION SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL. PROPOSED TEMPORARY PAVEMENT MARKINGS SHALL BE ACCORDING TO THE SUGGESTED STAGE I & II MAINTENANCE OF TRAFFIC OR AS DIRECTED BY THE ENGINEER AND SHALL UTILIZE TEMPORARY PAVEMENT MARKING PAINT AND/OR TAPE.

REMOVE EXISTING PAVEMENT, AGGREGATE SHOULDERS, DRAINAGE ITEMS AND ANY ITEMS ALONG THE SOUTH SIDE OF IL 56 AND WEST SIDE OF RADDANT ROAD AS SHOWN FOR REMOVAL ON THE ROADWAY AND DRAINAGE PLAN SHEETS.

IMMEDIATELY AFTER THE REMOVAL, ACCESS TO THE ENTRANCES SHALL BE MAINTAINED USING APPROPRIATE PAY ITEMS FOR TEMPORARY ACCESS.

CONSTRUCT PAVEMENT WIDENING, HMA AND AGGREGATE SHOULDERS, EXTENSION OF PIPE CULVERTS, RELOCATION/REGRADE OF THE DRAINAGE DITCHES ALONG THE SOUTH SIDE OF IL 56 AND WEST SIDE OF RADDANT ROAD AS SHOWN ON THE ROADWAY AND DRAINAGE PLAN SHEETS.

STAGE II

PRIOR TO THE TRAFFIC SHIFT AND THE BEGINNING OF STAGE II CONTRACTOR SHALL MILL EXISTING PAVEMENT EDGE TO PROVIDE TRANSITION BETWEEN PROPOSED WIDENING AND EXISTING PAVEMENT BY UTILIZING PAY ITEM HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH.

ONE LANE (11 FEET) IN EACH DIRECTION SHALL BE KEPT OPEN TO THROUGH TRAFFIC AS NOTED IN PLANS ALONG THE RADDANT ROAD AND IL 56 (BUTTERFIELD ROAD).

REMOVE EXISTING PAVEMENT, AGGREGATE SHOULDERS, DRAINAGE ITEMS AND ANY ITEMS ALONG THE NORTH SIDE OF IL 56 AND EAST SIDE OF RADDANT ROAD AS SHOWN FOR REMOVAL ON THE ROADWAY AND DRAINAGE PLAN SHEETS.

IMMEDIATELY AFTER THE REMOVAL, ACCESS TO THE ENTRANCES SHALL BE MAINTAINED USING APPROPRIATE PAY ITEMS FOR TEMPORARY ACCESS.

CONSTRUCT PAVEMENT WIDENING, HMA AND AGGREGATE SHOULDERS, EXTENSION OF PIPE CULVERTS, RELOCATION/REGRADE OF THE DRAINAGE DITCHES ALONG THE NORTH SIDE OF IL 56 AND EAST SIDE OF RADDANT ROAD AS SHOWN ON THE ROADWAY AND DRAINAGE PLAN SHEETS.

STAGE III

WORK DURING THIS STAGE SHALL BE COMPLETED UTILIZING APPLICABLE HIGHWAY STANDARDS 701306-02 FOR RESURFACING ROADWAY.

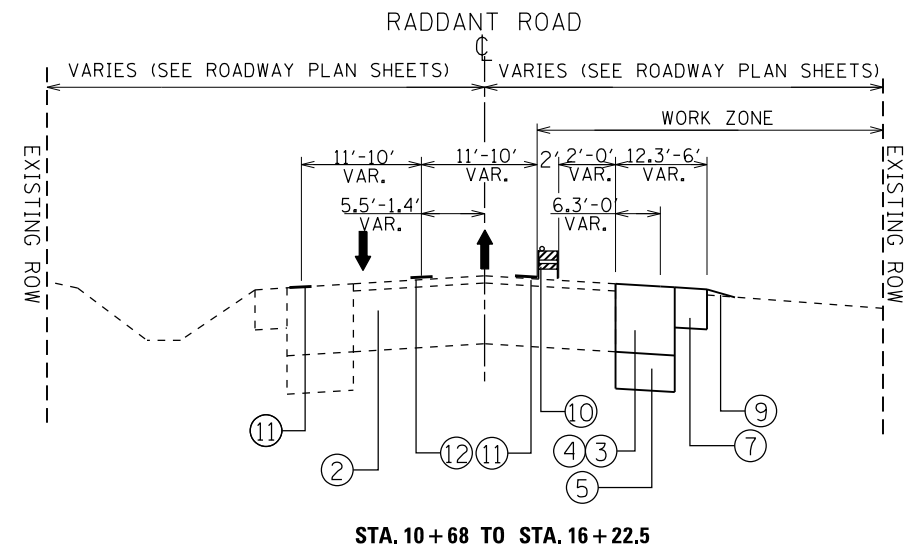
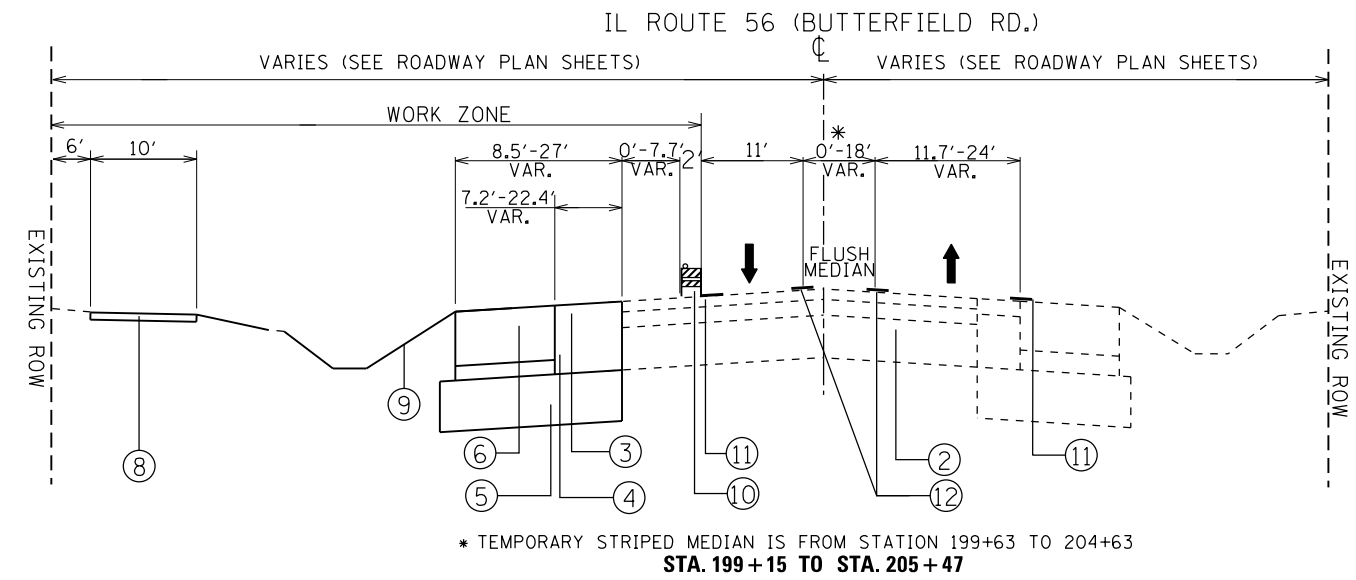
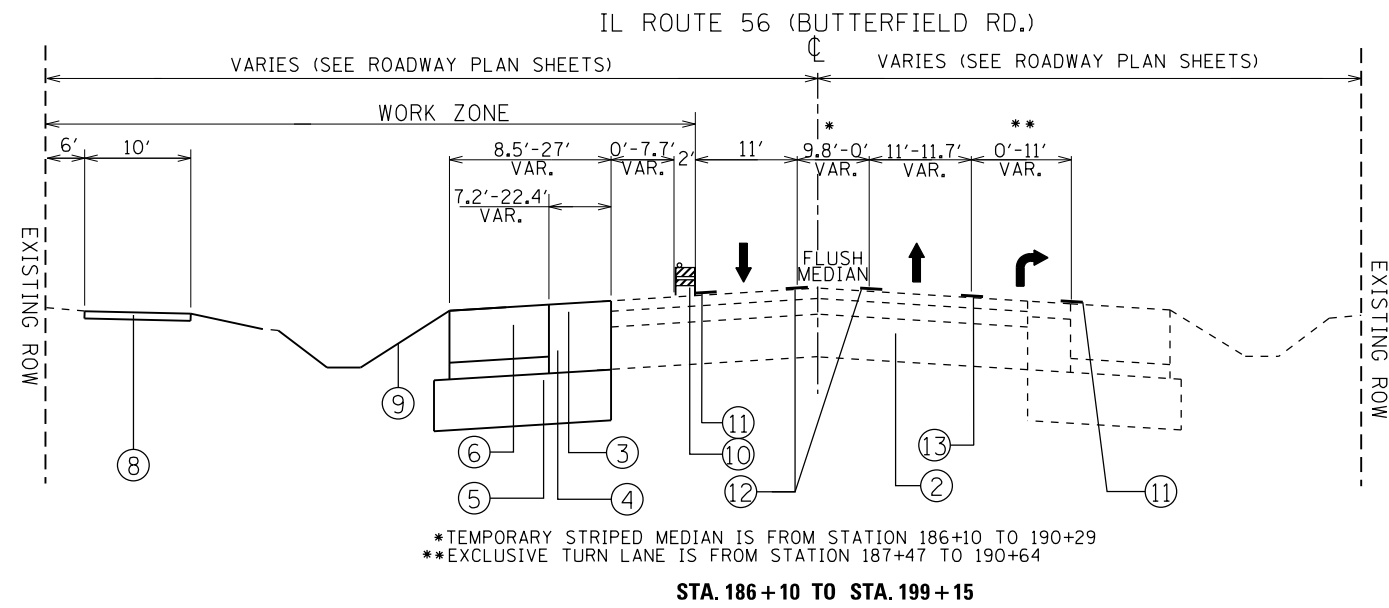
THE EXISTING PAVEMENT WILL BE MILLED AT THE BEGINNING OF THE STAGE III TO MATCH THE ELEVATION OF THE WIDENING CONSTRUCTED DURING STAGE I AND TO MINIMIZE THE TIME THAT MILLED SURFACE IS OPEN TO TRAFFIC.

ONCE THE SURFACE HAS BEEN MILLED, SURFACE COURSE WILL BE CONSTRUCTED.

THE PROPOSED THERMOPLASTIC PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKINGS (WHERE APPLICABLE) WILL BE INSTALLED AFTER PAVING HAS BEEN COMPLETED.

THE LEFT TURN LANES SHALL NOT BE OPENED TO TRAFFIC UNTIL THE PERMANENT TRAFFIC SIGNALS ARE ENERGIZED AND APPROVED FOR OPERATION.

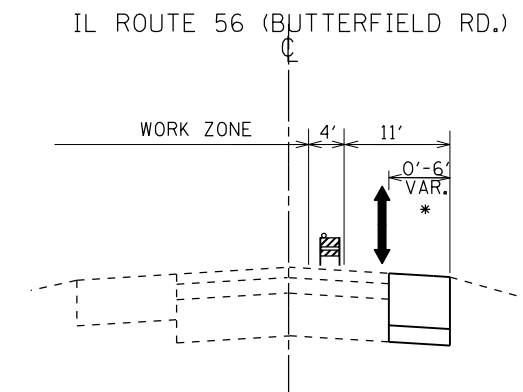
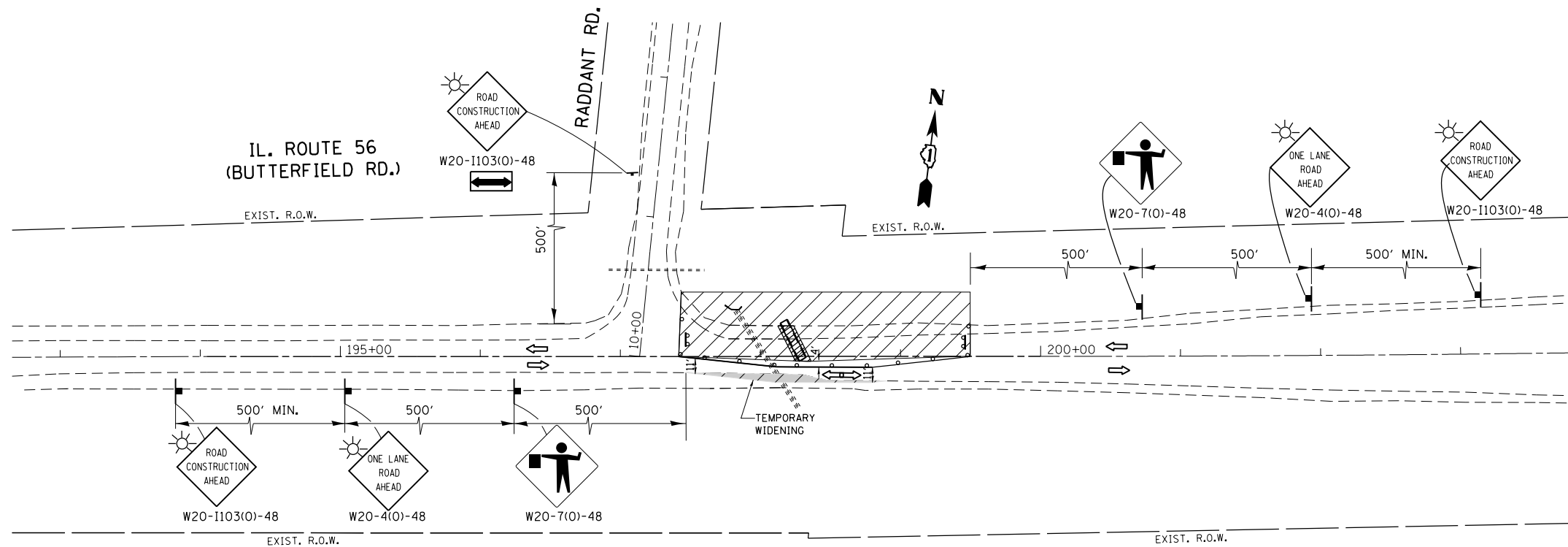
FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC- STAGE 1 IL. ROUTE 56 AT RADDANT RD.			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\IL084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\P145309\Design\Design.dgn		CHECKED -	REVISED -					365	60N-3	KANE	93	16
Default		DATE -	REVISED -		SCALE: NONE SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 60T23				
								ILLINOIS FED. AID PROJECT				



LEGEND

- ① EXISTING HMA & AGGREGATE SHOULDER
- ② EXISTING HMA PAVEMENT
- ③ PROPOSED HMA SURFACE COURSE
- ④ PROPOSED HMA BASE COURSE
- ⑤ PROPOSED AGGREGATE SUBGRADE
- ⑥ PROPOSED HMA SHOULDER
- ⑦ PROPOSED AGGREGATE SHOULDER
- ⑧ PROPOSED SHARED USE PATH
- ⑨ PROPOSED TURF GRASS
- ⑩ BARRICADES OR DRUMS WITH STEADY BURN BI-DIRECTIONAL LIGHTS
- ⑪ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (WHITE EDGE LINE)
- ⑫ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE YELLOW LINE)
- ⑬ WET REFLECTIVE TEMPORARY TAPE TYPE III, 6" (WHITE SOLID LINE)
- ⑭ EXISTING PAVEMENT MARKINGS

FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC – STAGE 2 IL. ROUTE 56 AT RADDANT RD.			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\P145309\Design\Design.dgn		CHECKED -	REVISED -					365	60N-3	KANE	93	17
Default	PLOT SCALE = 100.000' / in.	DATE -	REVISED -		SCALE: NONE			SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 60T23	
	PLOT DATE = 10/18/2016				ILLINOIS FED. AID PROJECT							



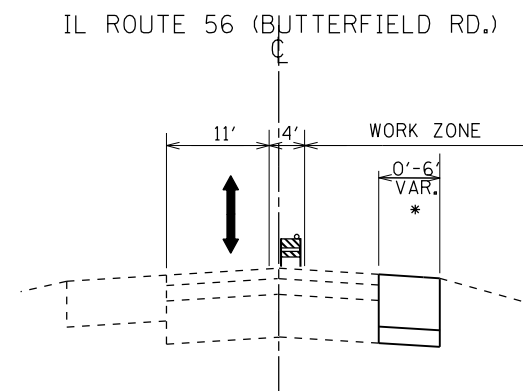
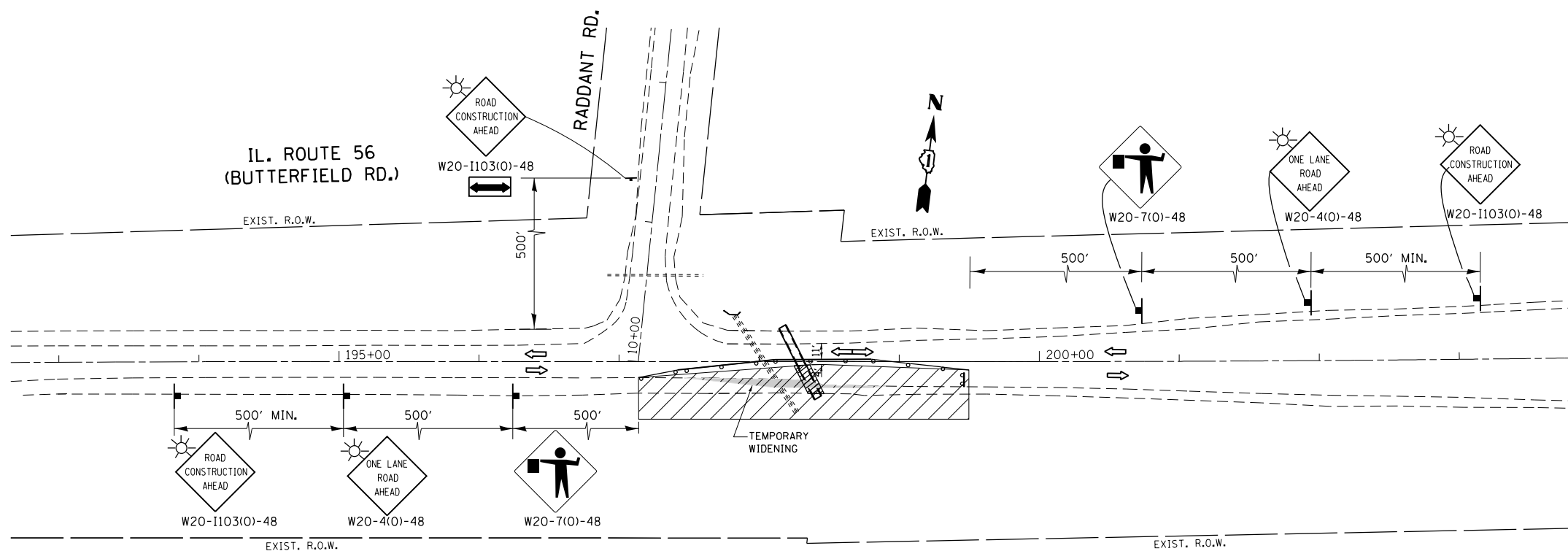
STA. 197+40 TO STA. 199+50
 * TEMPORARY PAVEMENT:
 TEMPORARY PAVEMENT, 10"
 SUBBASE GRANULAR MATERIAL, TYPE B, 4"

PLAN NOTE

ALL WORK IN THE PRE-STAGE IS DONE USING DAILY LANE CLOSURES AS SHOWN IN THIS PLAN SHEET DURING ALLOWABLE HOURS ONLY.

LEGEND

- ↑ SIGN
- DRUMS OR BARRICADES WITH STEADY BURN BI-DIRECTIONAL LIGHTS
- 50' C-C TANGENTS
- 20' C-C LANE SHIFTS & TAPERS
- 10' C-C RADII (TYP.)
- TRAFFIC FLOW DIRECTION
- [Hatched Box] WORK AREA
- [Hatched Area] CLASS D PATCHES
- [Symbol] TYPE III BARRICADES WITH TWO FLASHING AMBER LIGHTS



STA. 197+40 TO STA. 199+50
 * TEMPORARY PAVEMENT:
 TEMPORARY PAVEMENT, 10"
 SUBBASE GRANULAR MATERIAL, TYPE B, 4"

FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.000 / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2016	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

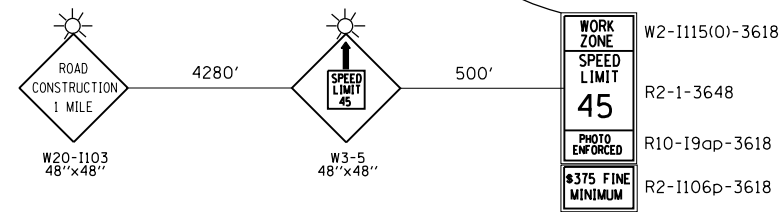
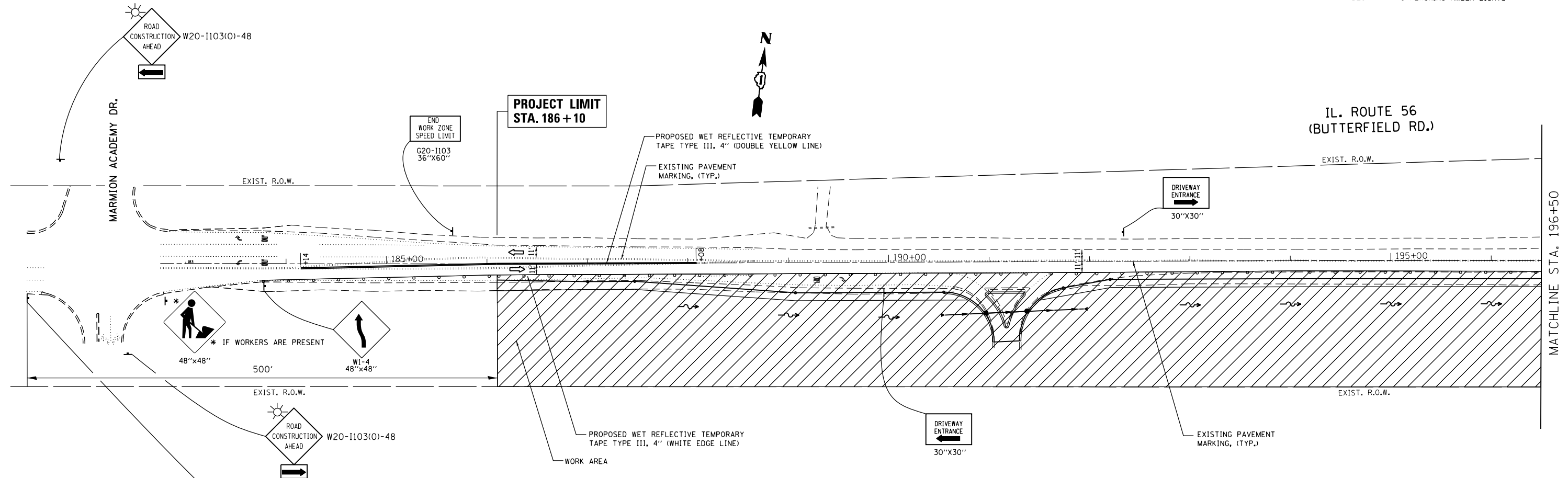
**SUGGESTED PRE-STAGE CONSTRUCTION &
 MAINTENANCE OF TRAFFIC TO CONSTRUCT BOX CULVERT
 IL. RTE. 56 AT RADDANT RD.**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	18
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

LEGEND

- ⊥ SIGN
- DRUMS OR BARRICADES WITH STEADY BURN BI-DIRECTIONAL LIGHTS
- 50' C-C TANGENTS
- 25' C-C LANE SHIFTS & TAPERS
- 10' C-C RADII (TYP.)
- ➔ TRAFFIC FLOW DIRECTION
- ▨ WORK AREA
- ▨ CLASS D PATCHES
- ⊥ TYPE III BARRICADES WITH TWO FLASHING AMBER LIGHTS



FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGE I CONSTRUCTION & MAINTENANCE OF TRAFFIC IL. RTE. 56 AT RADDANT RD.			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	19
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

* IF WORKERS ARE PRESENT



END WORK ZONE SPEED LIMIT

G20-1103 36"x60"



W20-1 36"x36"

WORK ZONE

W2-1115(0)-3618

SPEED LIMIT

35

R2-1-3648

#375 FINE MINIMUM

R2-1106p-3618

LEGEND

- ↑ SIGN
- DRUMS OR BARRICADES WITH STEADY BURN BI-DIRECTIONAL LIGHTS
- 50' C-C TANGENTS
- 25' C-C LANE SHIFTS & TAPERS
- 10' C-C RADII (TYP.)
- TRAFFIC FLOW DIRECTION
- ▨ WORK AREA
- ▨ CLASS D PATCHES
- ⚡ TYPE III BARRICADES WITH TWO FLASHING AMBER LIGHTS

PROJECT LIMIT STA. 16 + 22.5

WORK AREA

RADDANT RD.

MATCHLINE STA. 196+50

WOUS SITE #1
TOTAL SITE = 0.04 AC
PERMANENT IMPACT = 0.03 AC
TEMPORARY IMPACT = 0.01 AC

IL. ROUTE 56 (BUTTERFIELD RD.)

PROJECT LIMIT STA. 205 + 47

DRIVEWAY ENTRANCE

30"x30"



* IF WORKERS ARE PRESENT

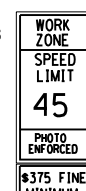
48"x48"

W2-1115(0)-3618

R2-1-3648

R10-19ap-3618

R2-1106p-3618



500'



W3-5 48"x48"

4280'



W20-1103 48"x48"

CHURCH RD.

EXIST. R.O.W.

EXIST. R.O.W.

EXIST. R.O.W.

WETLAND SITE #1
TOTAL SITE = 0.13 AC
PERMANENT IMPACT = 0.07 AC

PROPOSED WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE YELLOW LINE)



W1-4 48"x48"

WORK AREA

DRIVEWAY ENTRANCE

30"x30"

END WORK ZONE SPEED LIMIT

G20-1103 36"x60"

CHURCH RD.

FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -
p:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\P145309\Design\Design.dgn		REVISED -	REVISED -
Default	PLOT SCALE = 100.000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2016	DATE -	REVISED -

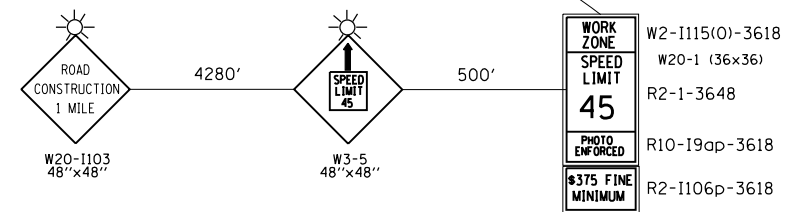
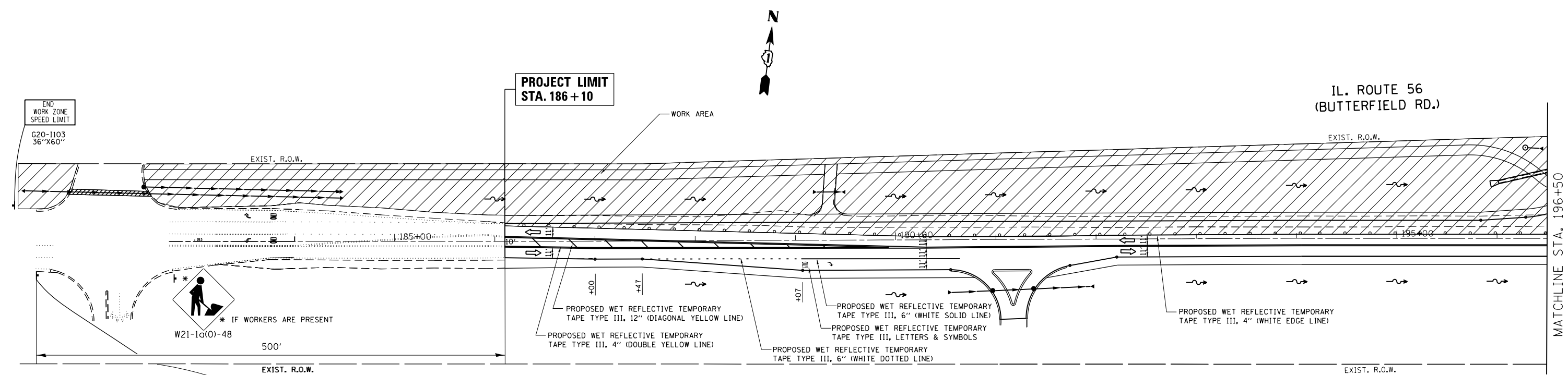
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGE I CONSTRUCTION &
MAINTENANCE OF TRAFFIC
IL. RTE. 56 AT RADDANT RD.**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	20
CONTRACT NO. 60T23				
ILLINOIS FED. AID PROJECT				










- LEGEND**
- ↑ SIGN
 - DRUMS OR BARRICADES WITH STEADY BURN BI-DIRECTIONAL LIGHTS
 - 50' C-C TANGENTS
 - 25' C-C LANE SHIFTS & TAPERS
 - 10' C-C RADII (TYP.)
 - TRAFFIC FLOW DIRECTION
 - ▨ WORK AREA
 - ▨ CLASS D PATCHES
 - ⊕ TYPE III BARRICADES WITH TWO FLASHING AMBER LIGHTS

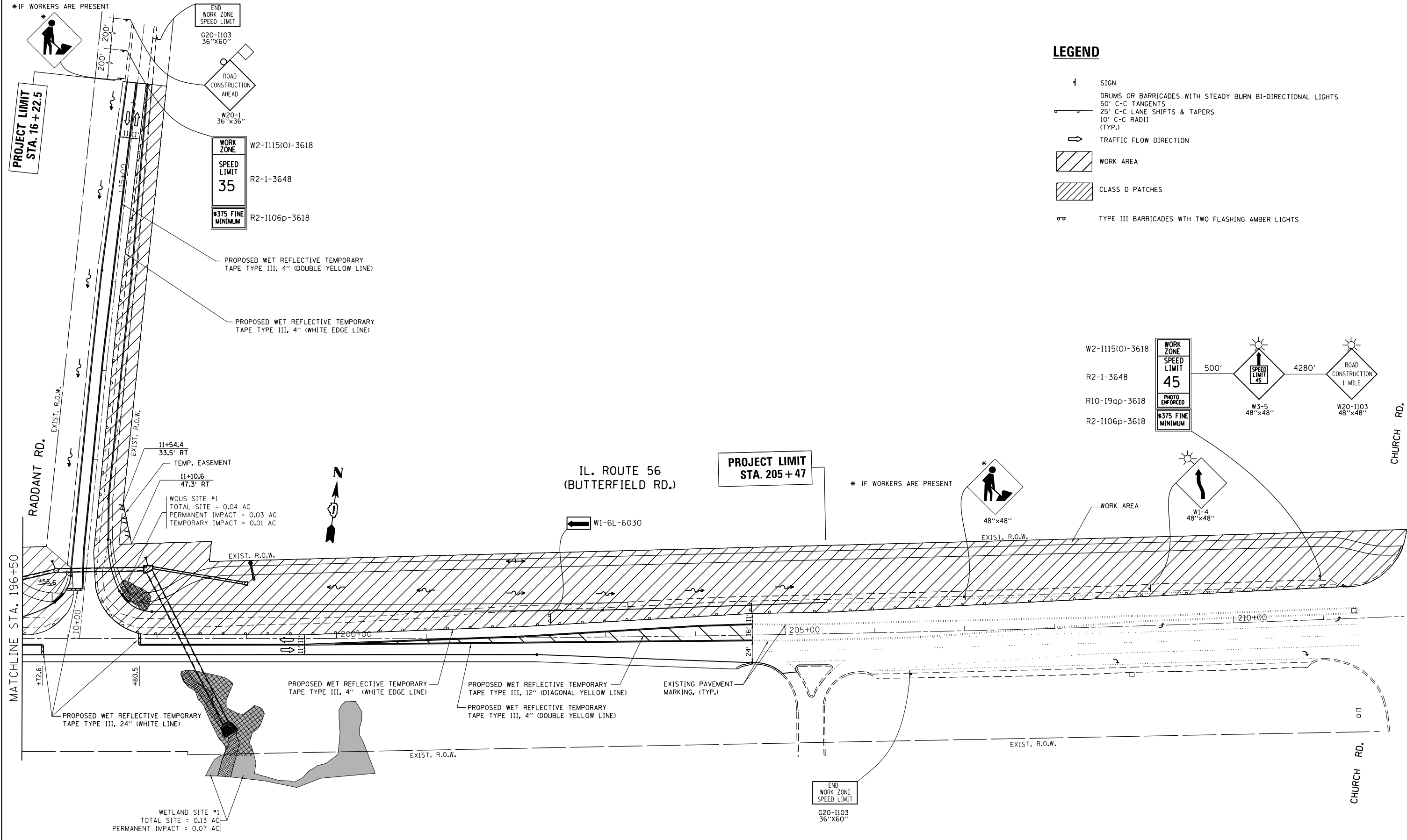


FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGE II CONSTRUCTION & MAINTENANCE OF TRAFFIC IL. RTE. 56 AT RADDANT RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL\084EBIDINTEG\Illinois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\P145309\Design\Design.dgn		DRAWN -	REVISED -			365	60N-3	KANE	93	21
Default	PLOT SCALE = 100.000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60T23				
	PLOT DATE = 10/13/2016	DATE -	REVISED -			SCALE: 1"=50'	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

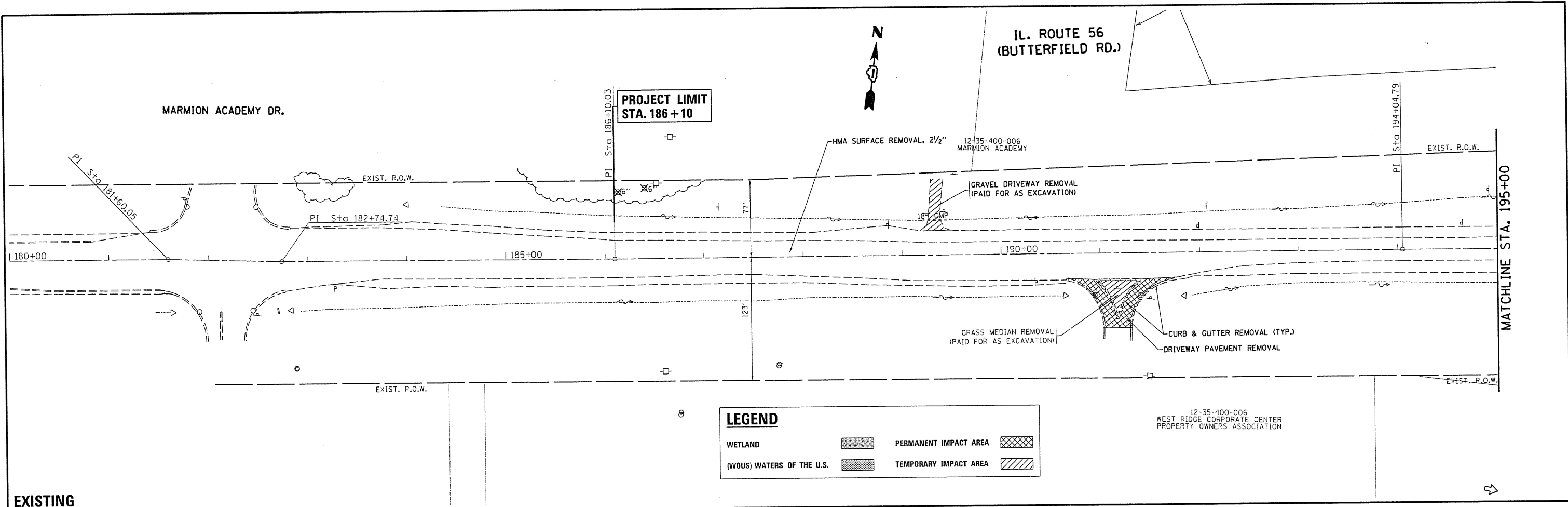
* IF WORKERS ARE PRESENT

LEGEND

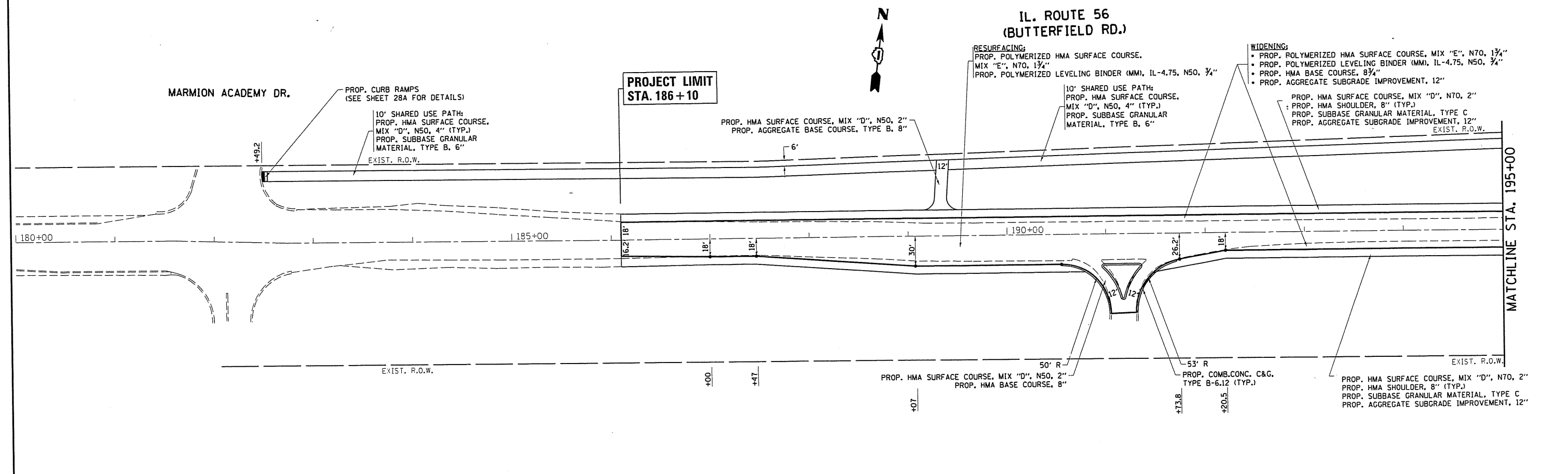
-  SIGN
-  DRUMS OR BARRICADES WITH STEADY BURN BI-DIRECTIONAL LIGHTS
-  50' C-C TANGENTS
-  25' C-C LANE SHIFTS & TAPERS
-  10' C-C RADII (TYP.)
-  TRAFFIC FLOW DIRECTION
-  WORK AREA
-  CLASS D PATCHES
-  TYPE III BARRICADES WITH TWO FLASHING AMBER LIGHTS



FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGE II CONSTRUCTION & MAINTENANCE OF TRAFFIC IL. RTE. 56 AT RADDANT RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P145309\Design\Design.dgn		CHECKED -	REVISED -			365	60N-3	KANE	93	22	
Default	PLOT DATE = 10/13/2016	DATE -	REVISED -			CONTRACT NO. 60T23					
						ILLINOIS FED. AID PROJECT					



EXISTING

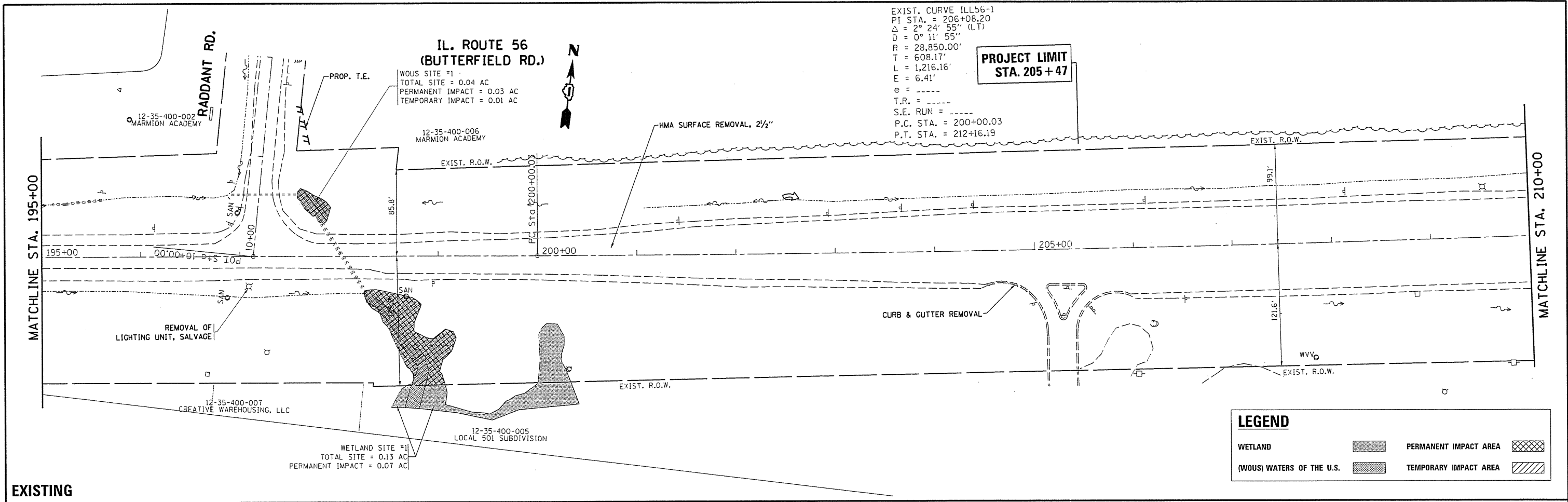


PROPOSED

FILE NAME =	USER NAME = bauerdl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING & PROPOSED ROADWAY PLAN IL. ROUTE 56 AT RADDANT ROAD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBID\INTEG\Illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI4530\RAWData\GADsheets\PI45309-shr-plnprf	RAW	CHECKED -	REVISED -		365	60N-3	KANE	93	23			
Default	Default	DATE -	REVISED -		SCALE: 1"=50'			SHEET OF SHEETS STA. 180+00.00 TO STA. 195+00.00		CONTRACT NO. 60T23		
					ILLINOIS FED. AID PROJECT							

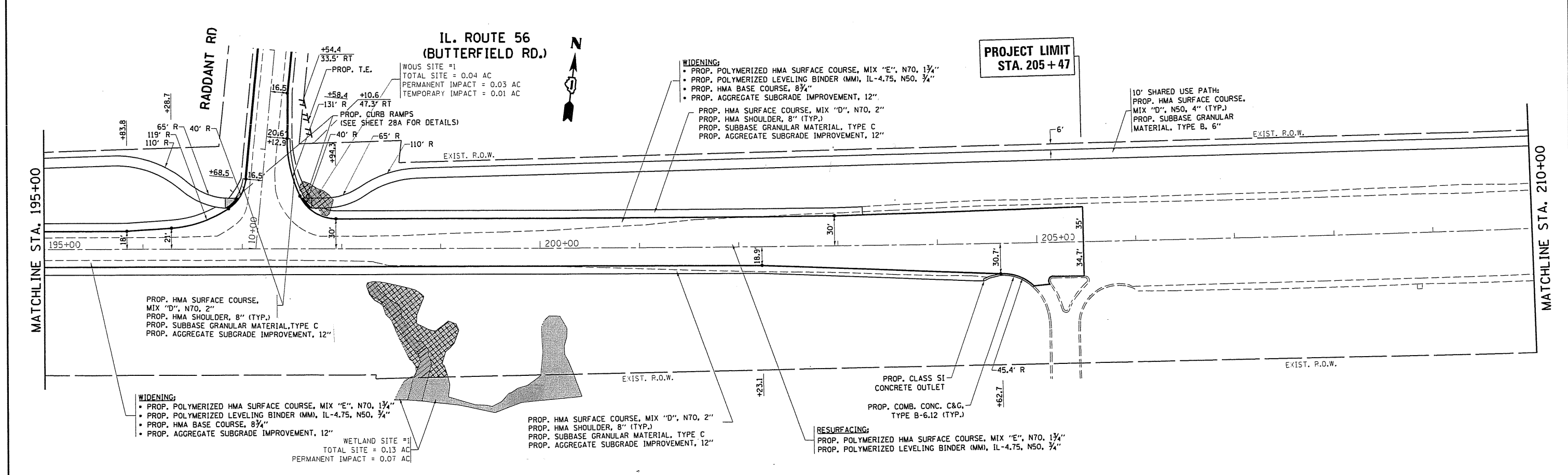
EXIST. CURVE ILL56-1
 PI STA. = 206+08.20
 $\Delta = 2^\circ 24' 55''$ (LT)
 $D = 0^\circ 11' 55''$
 $R = 28,850.00'$
 $T = 608.17'$
 $L = 1,216.16'$
 $E = 6.41'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. \text{ RUN} = \text{---}$
 $P.C. \text{ STA.} = 200+00.03$
 $P.T. \text{ STA.} = 212+16.19$

**PROJECT LIMIT
 STA. 205 + 47**

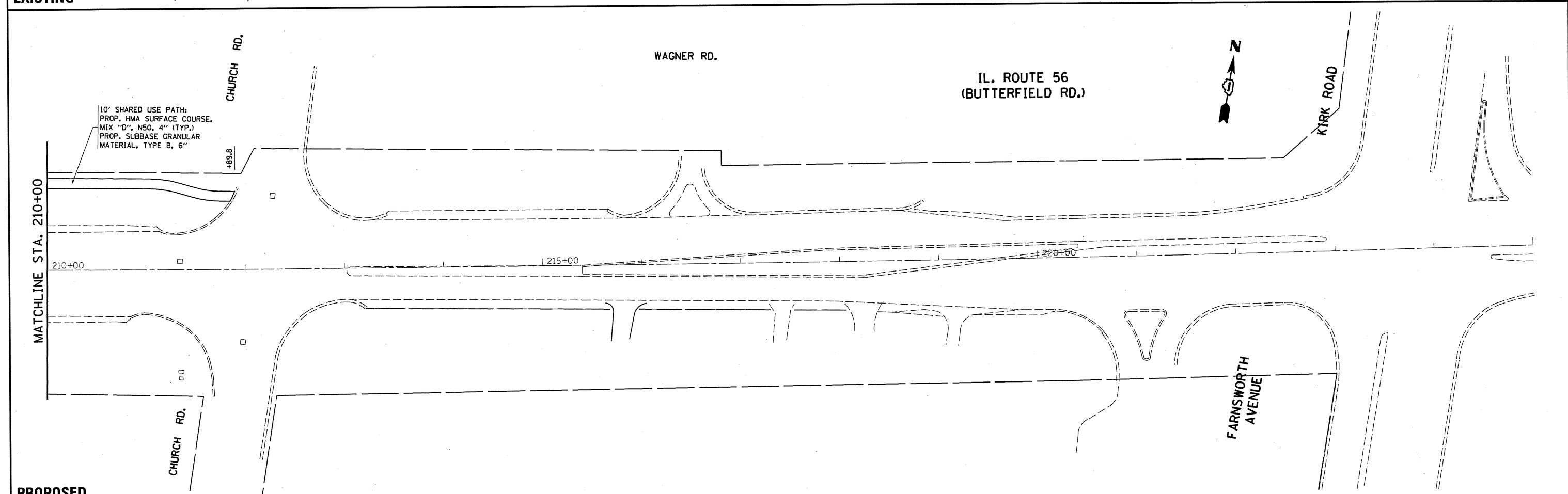
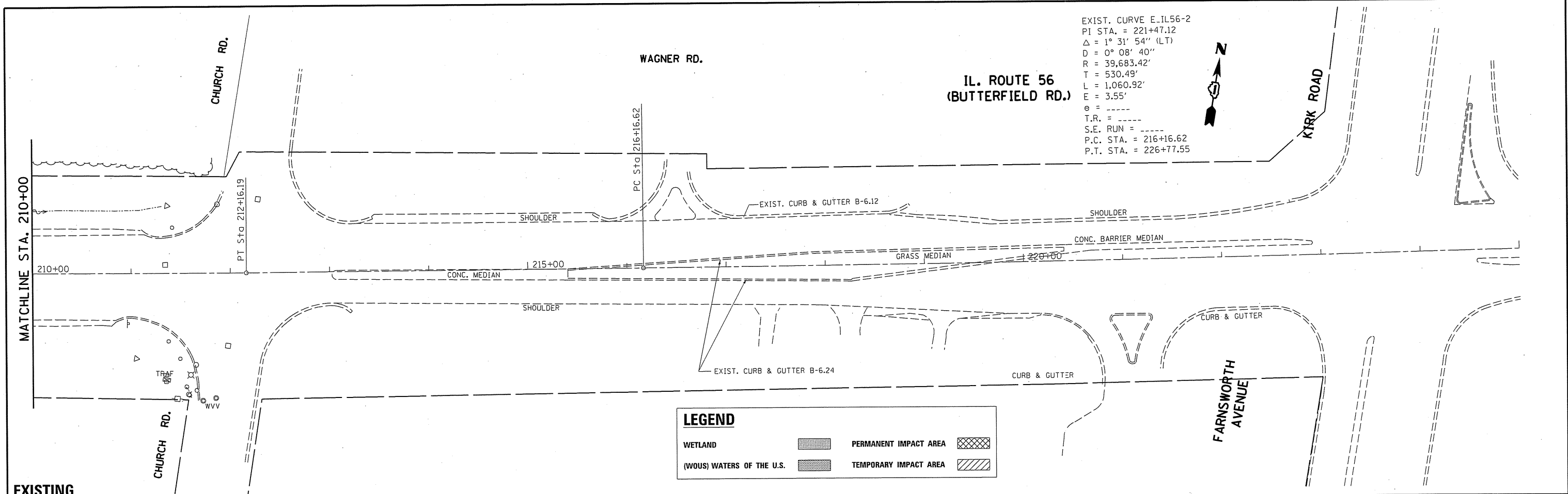


LEGEND

WETLAND	[Symbol]	PERMANENT IMPACT AREA	[Symbol]
(WOUS) WATERS OF THE U.S.	[Symbol]	TEMPORARY IMPACT AREA	[Symbol]



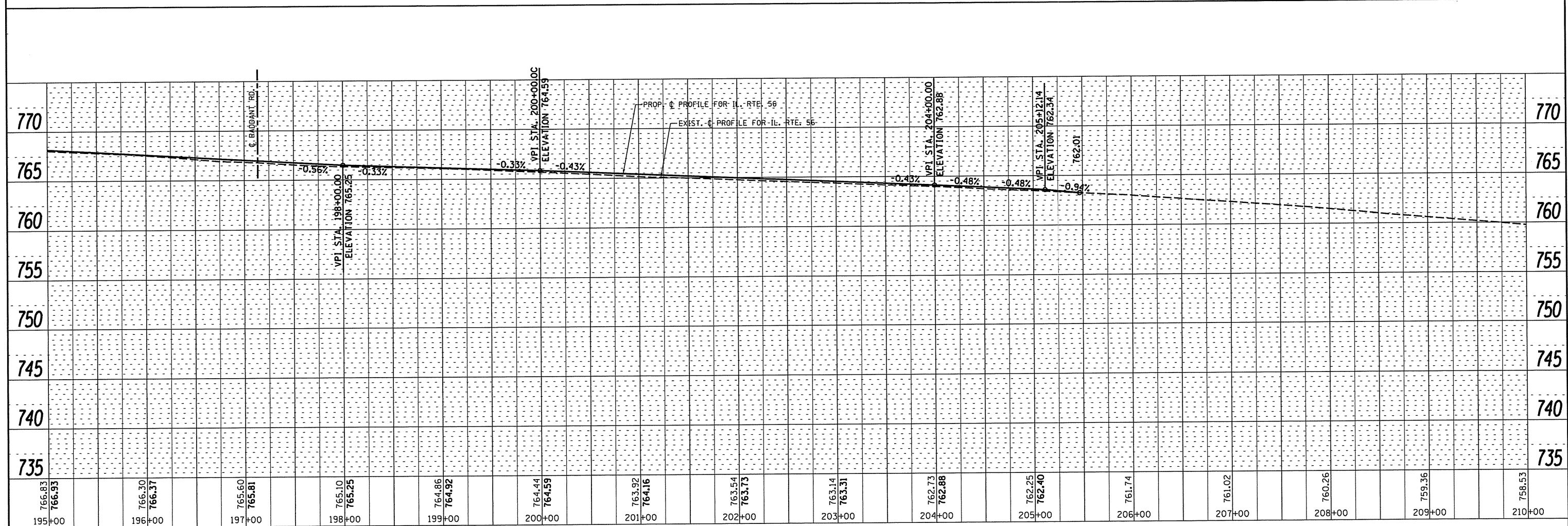
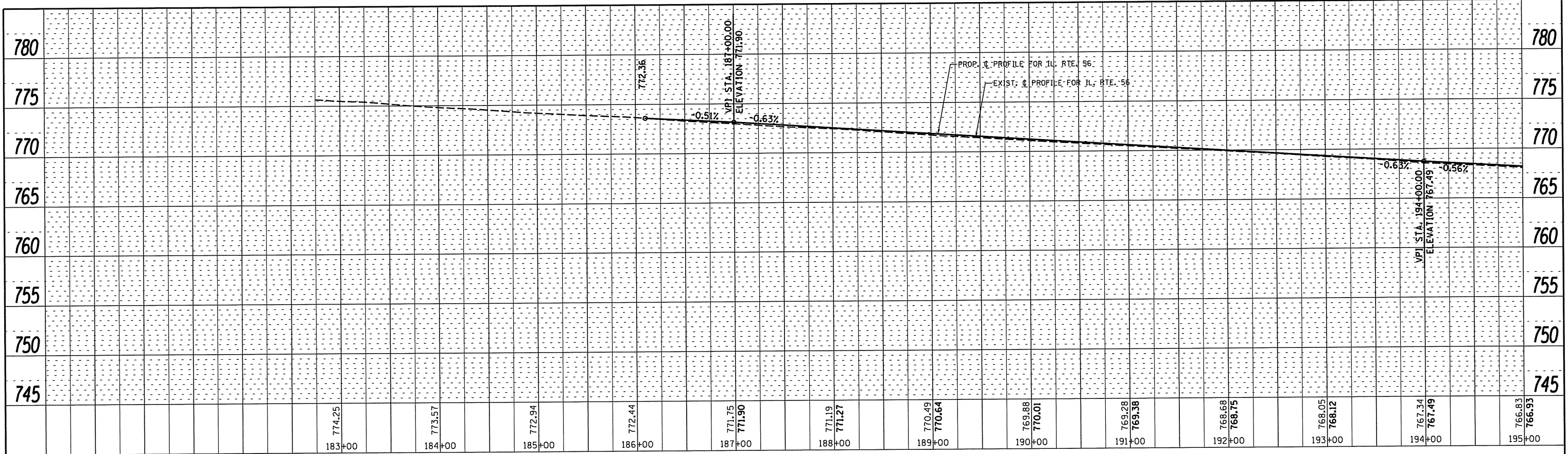
PROPOSED				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				EXISTING & PROPOSED ROADWAY PLAN IL. ROUTE 56 AT RADDANT ROAD				F.A.P. RTE. 365	SECTION 60N-3	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 24
FILE NAME =	USER NAME = bauer1	DESIGNED -	REVISED -	SCALE: 1"=50'				SHEET OF SHEETS STA. 195+00.00 TO STA. 210+00.00				CONTRACT NO. 60T23 ILLINOIS FED. AID PROJECT				
DRWING DATA	CHECKED -	REVISED -														
PLOT SCALE = 100.00000 / in.	DATE -	REVISED -														
PLOT DATE = 10/4/2016																



FILE NAME =	USER NAME = bauerdl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING & PROPOSED ROADWAY PLAN IL. ROUTE 56 AT RADDANT ROAD				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Documents\DOT Offices\District 1\Projects\P145309\Drawings\GA\Drawings\P145309-sht-plnprf	DRAWN -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 195+00.00	TO STA. 210+00.00	KANE	93	25
	PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -										
	PLOT DATE = 10/1/2016	DATE -	REVISED -										
ILLINOIS FED. AID PROJECT											CONTRACT NO. 60T23		

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

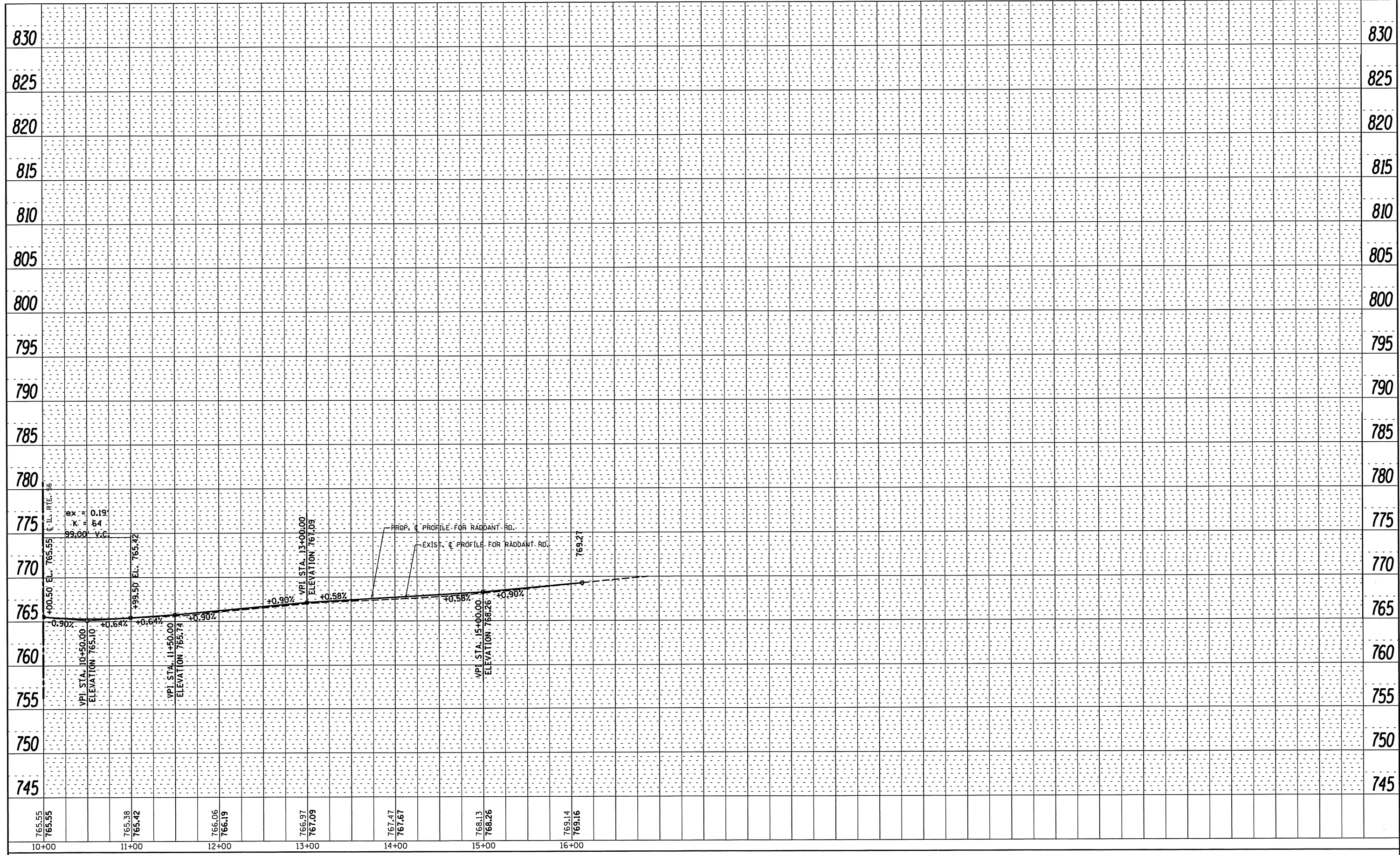
PROFILE	REVISIONS	BY	DATE
NOTE BOOK NO.	PLOTTED		
	GRADES CHECKED		
	RM. NOTED		
	STRUCTURE NOTATIONS CHK'D		



FILE NAME =	USER NAME = shranisb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PROFILE IL. ROUTE 56 AT RADDANT ROAD			F.A.P. RTE. 365	SECTION 60N-3	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 27
Default	Plot Scale = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 183+00.00	TO	STA. 210+00.00	CONTRACT NO. 60T23
	Plot Date = 9/21/2016	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

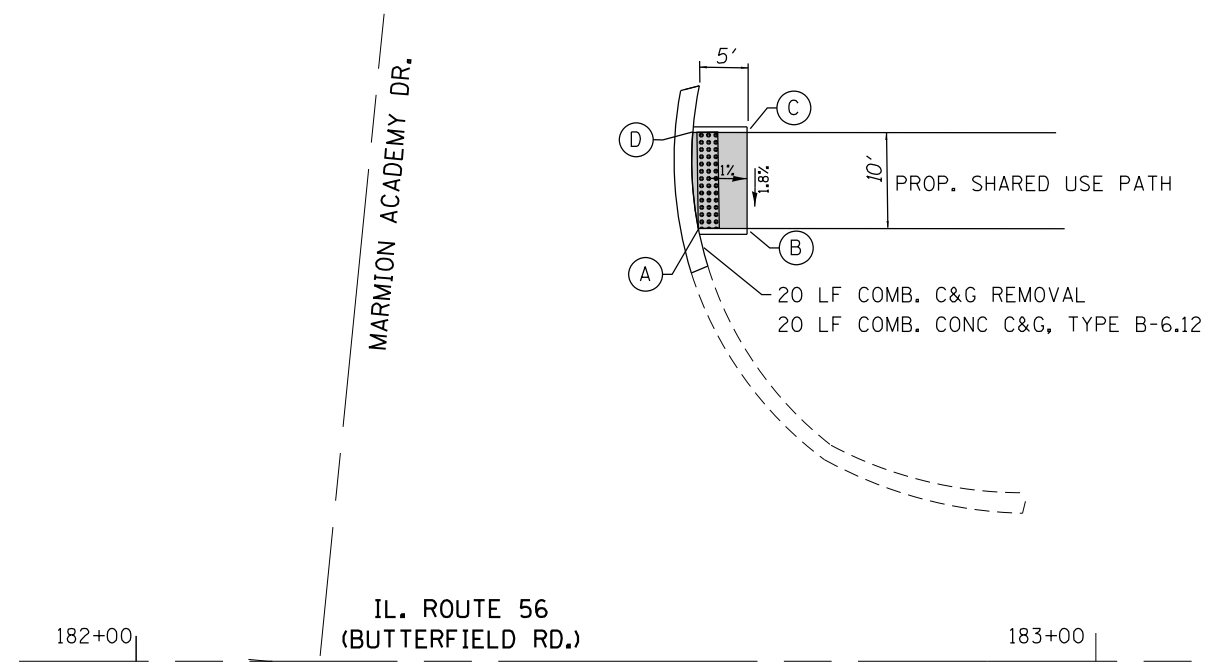
PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	RT. OF WAY CHECKED		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		



765.55 765.55	765.38 765.42	766.06 766.19	766.97 767.09	767.47 767.67	768.13 768.26	769.14 769.16
10+00	11+00	12+00	13+00	14+00	15+00	16+00

FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PROFILE IL ROUTE 56 AT RADDANT ROAD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\shiranisb\8329964\PI45399-shr-plnprf.dgn	DRAWN -	REVISED -	365			60N-3	KANE	93	28	
PLOT SCALE = 1/81.4786' / in.	CHECKED -	REVISED -	CONTRACT NO. 60T23							
Default	DATE = 9/21/2016	DATE -	REVISED -			[ILLINOIS] FED. AID PROJECT				
					SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 10+00.00	TO STA. 16+88.10

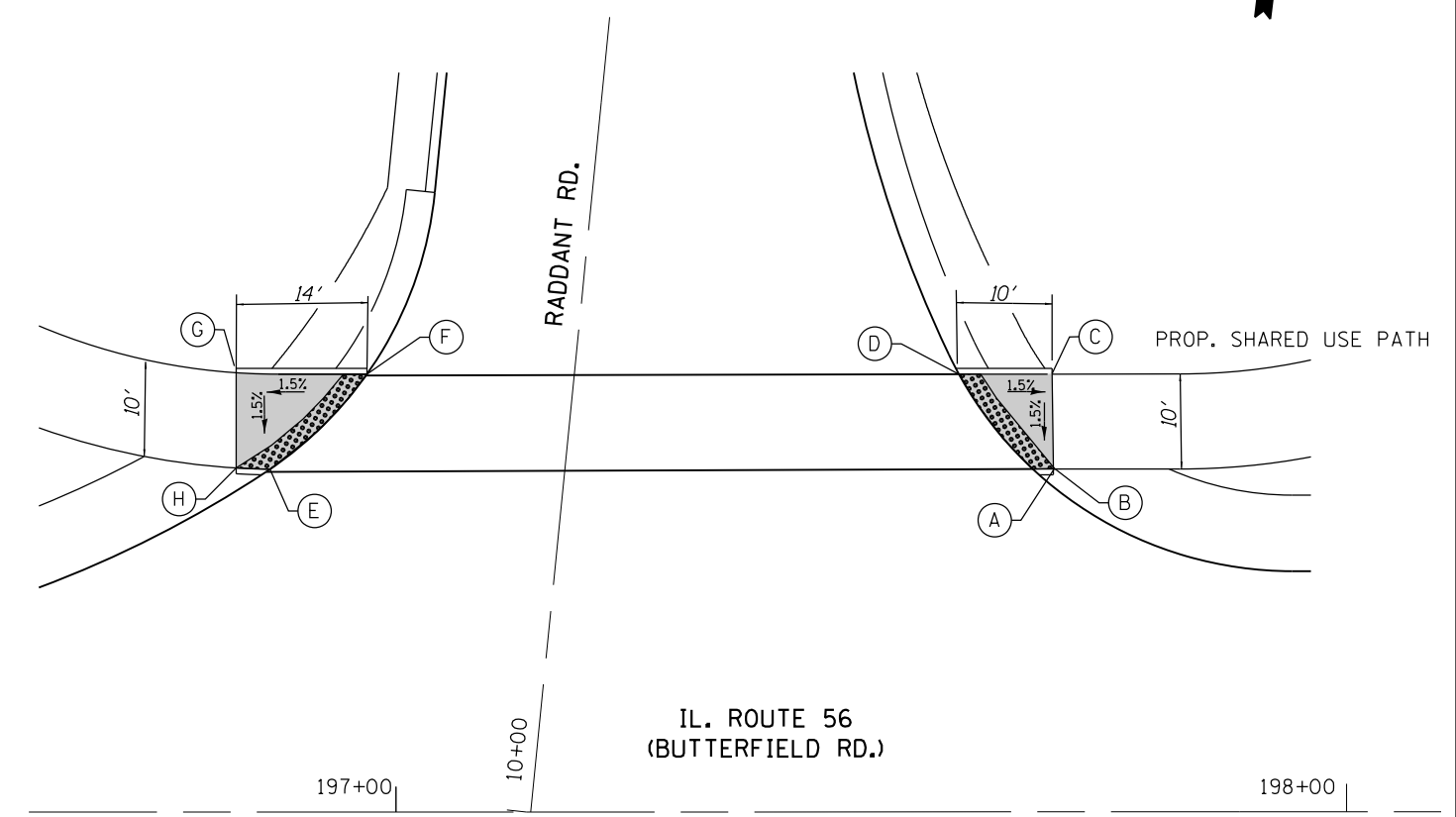


IL. ROUTE 56
(BUTTERFIELD RD.)

182+00

183+00

	STATION	OFFSET	ELEVATION
A	182+48.16	60.96 LT	774.92
B	182+53.22	61.09 LT	774.88
C	182+52.96	71.13 LT	775.06
D	182+47.30	70.94 LT	775.12






IL. ROUTE 56
(BUTTERFIELD RD.)

197+00

198+00

	STATION	OFFSET	ELEVATION
A	10+41.8	48.99 RT	764.12
B	10+40.73	52.00 RT	764.12
C	10+50.76	51.01 RT	764.27
D	10+50.73	40.25 RT	764.42
E	10+40.74	31.25 LT	764.46
F	10+50.73	21.70 LT	764.76
G	10+50.9	35.40 LT	764.60
H	10+40.9	34.40 LT	764.46

LEGEND

-  DETECTABLE WARNINGS
-  PROPOSED SIDEWALK
-  PROPOSED SIDE CURB

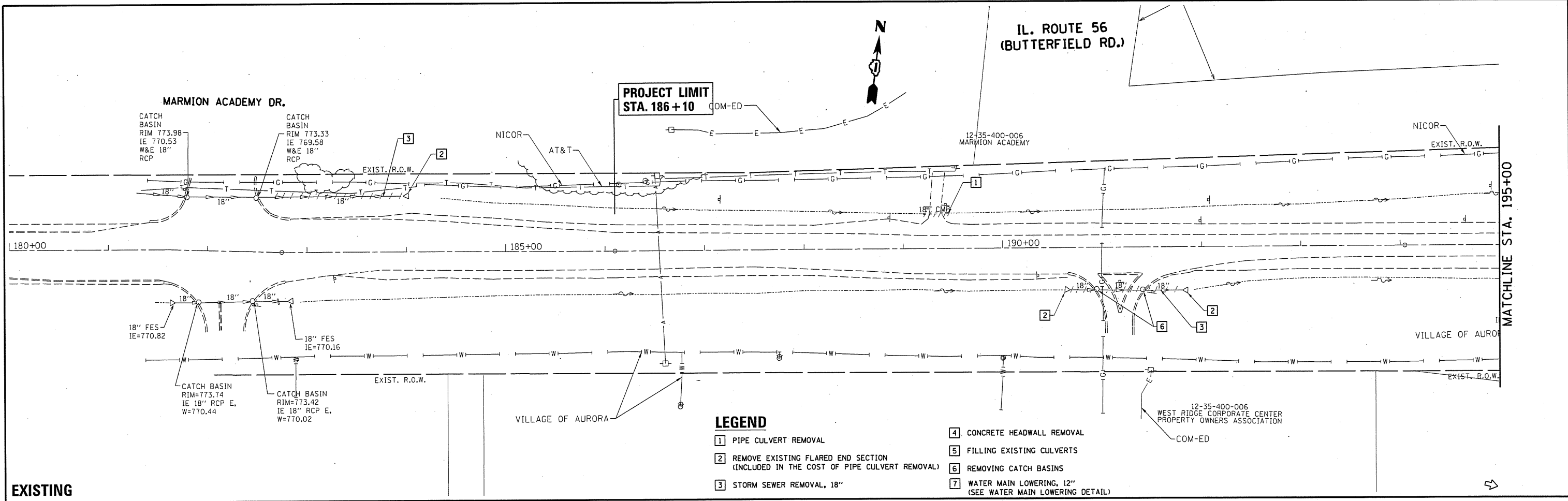
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

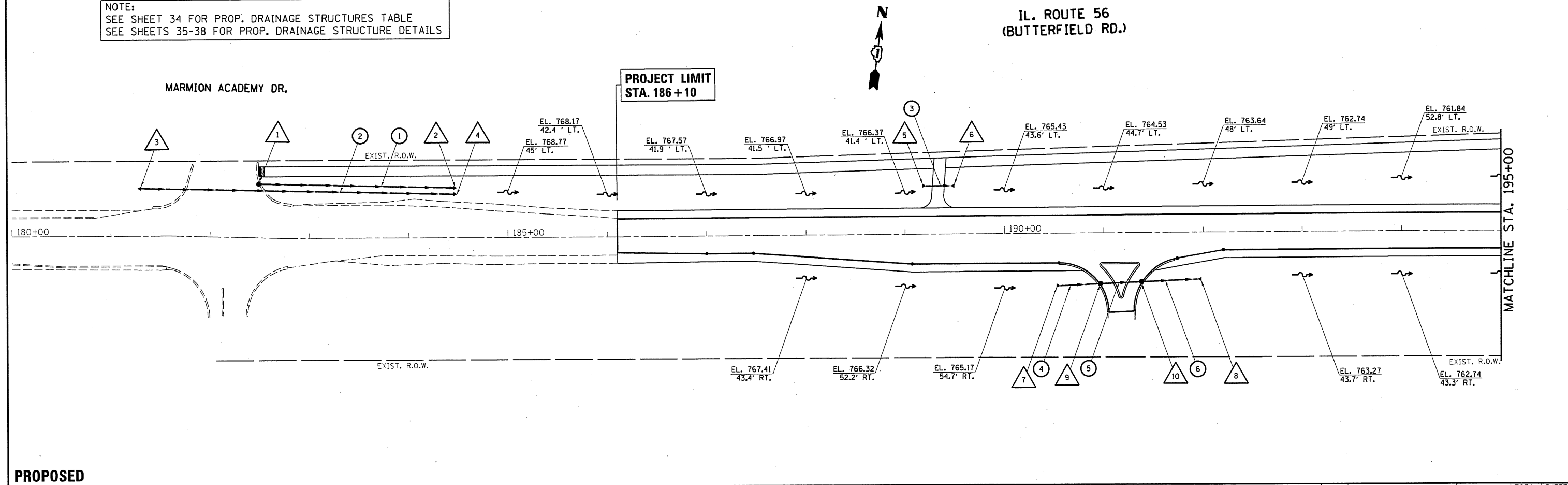
PROPOSED CURB RAMP FOR SIDEWALK DETAILS
ILLINOIS ROUTE 56 AT RADDANT ROAD

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

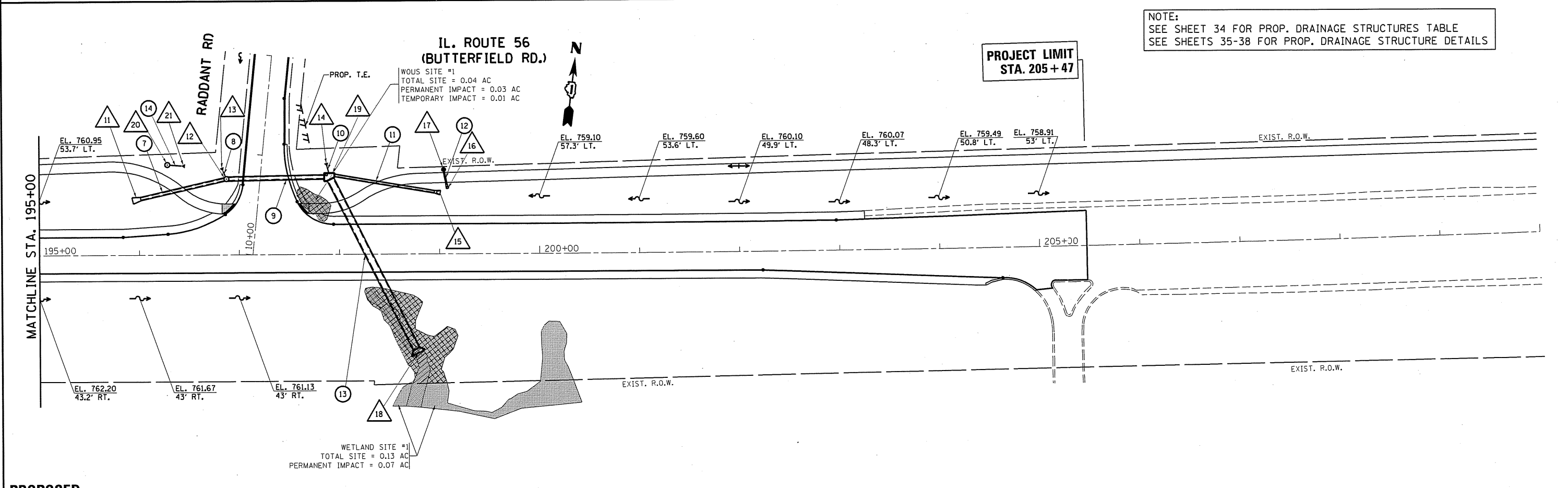
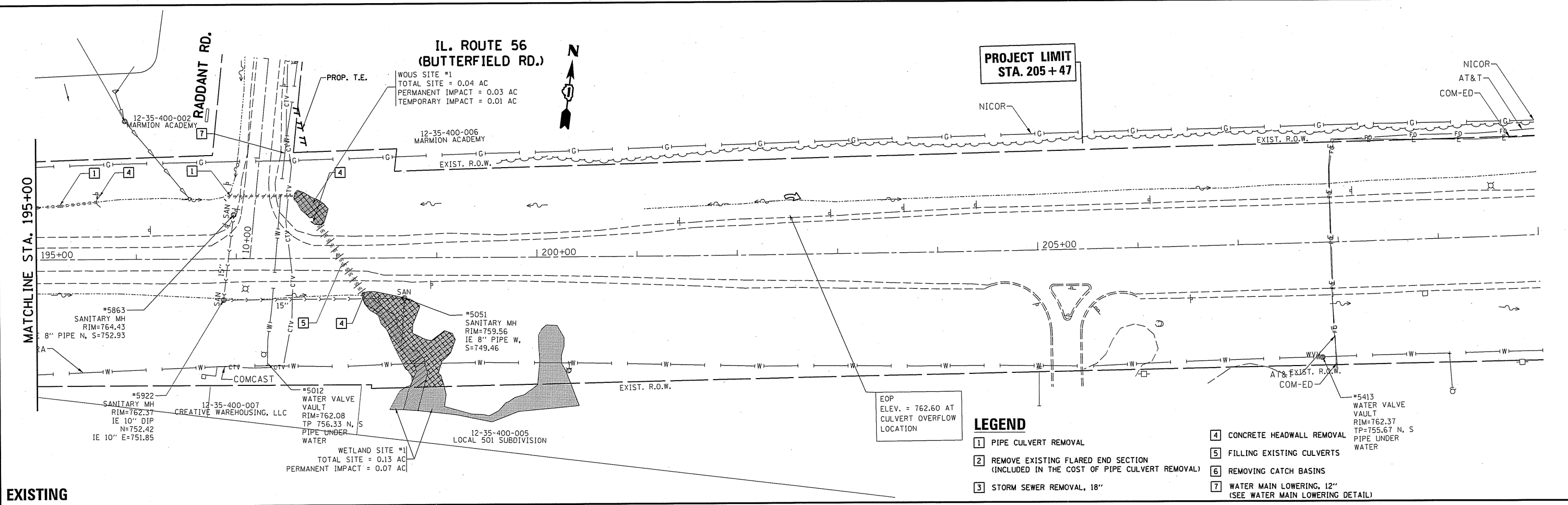
F.A.B. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	28A
CONTRACT NO. 60T23				
ILLINOIS FED. AID PROJECT				



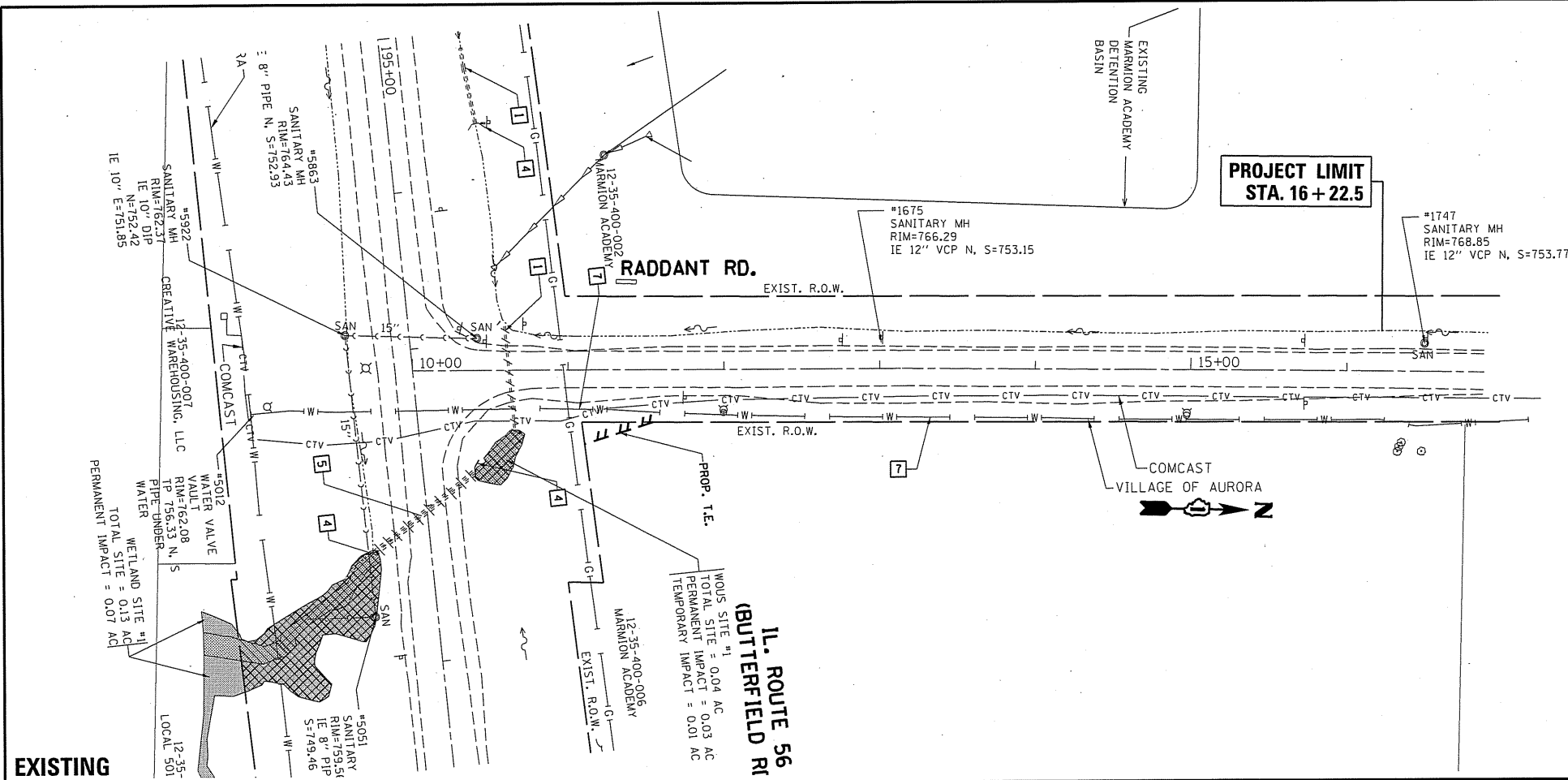
NOTE:
SEE SHEET 34 FOR PROP. DRAINAGE STRUCTURES TABLE
SEE SHEETS 35-38 FOR PROP. DRAINAGE STRUCTURE DETAILS



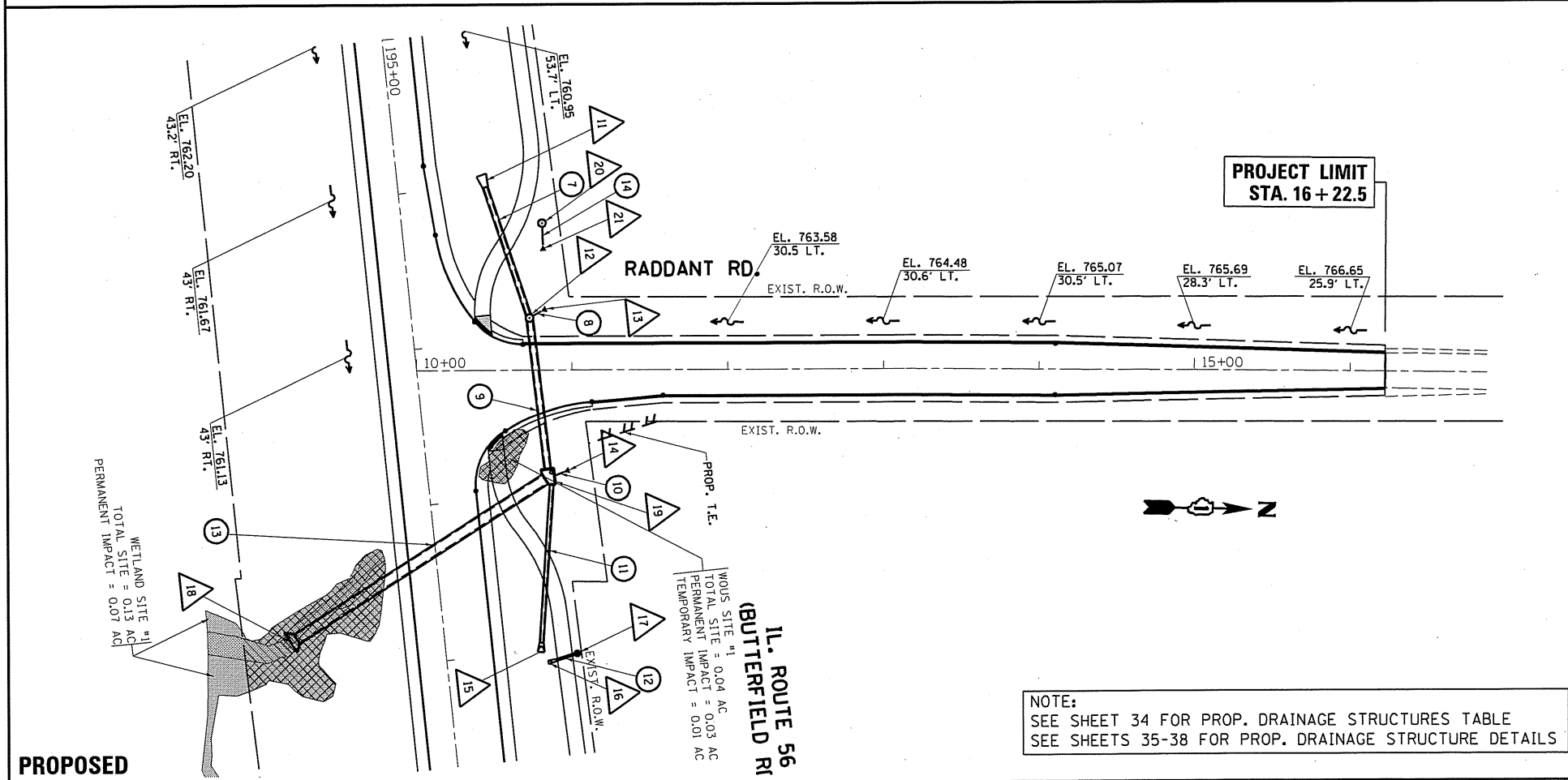
FILE NAME =	USER NAME = bauerdl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING & PROPOSED DRAINAGE PLAN IL. ROUTE 56 AT RADDANT ROAD			F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN -					REVISED -	365	60N-3	KANE	93	29			
CHECKED -					REVISED -	SCALE: 1"=50'			SHEET OF SHEETS STA. 180+00.00 TO STA. 195+00.00			CONTRACT NO. 60T23	
PLOT SCALE = 100.0000' / in.					REVISED -	ILLINOIS FED. AID PROJECT							
Default	PLOT DATE = 10/1/2016	DATE -	REVISED -										



FILE NAME =	USER NAME = bauerdl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING & PROPOSED DRAINAGE PLAN IL. ROUTE 56 AT RADDANT ROAD				F.A.P. RTE. = 365	SECTION = 60N-3	COUNTY = KANE	TOTAL SHEETS = 93	SHEET NO. = 30
Default	Documents\IDOT Offices\District 1\Projects\P145309\Drawings\GAD\Drawings\P145309-sht-drainage	CHECKED -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 195+00.00	TO STA. 210+00.00	CONTRACT NO. 60T23		
	PLOT SCALE = 100.0000 / in.	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
	PLOT DATE = 10/1/2016												



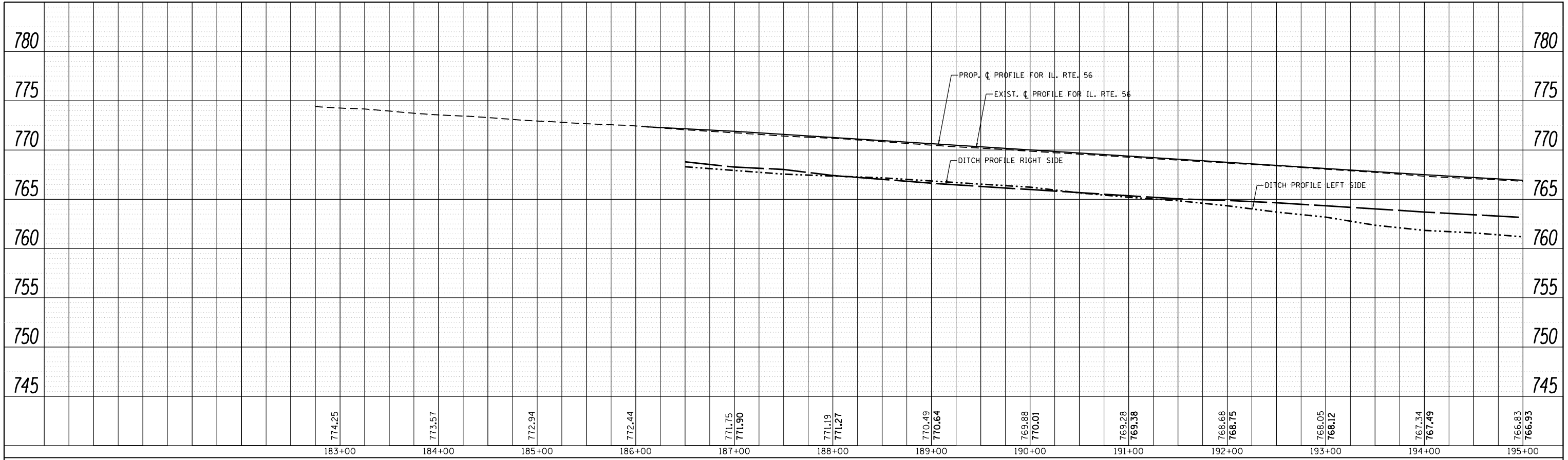
- LEGEND**
- [1] PIPE CULVERT REMOVAL
 - [2] REMOVE EXISTING FLARED END SECTION
(INCLUDED IN THE COST OF PIPE CULVERT REMOVAL)
 - [3] STORM SEWER REMOVAL, 18"
 - [4] CONCRETE HEADWALL REMOVAL
 - [5] FILLING EXISTING CULVERTS
 - [6] REMOVING CATCH BASINS
 - [7] WATER MAIN LOWERING, 12"
(SEE WATER MAIN LOWERING DETAIL)



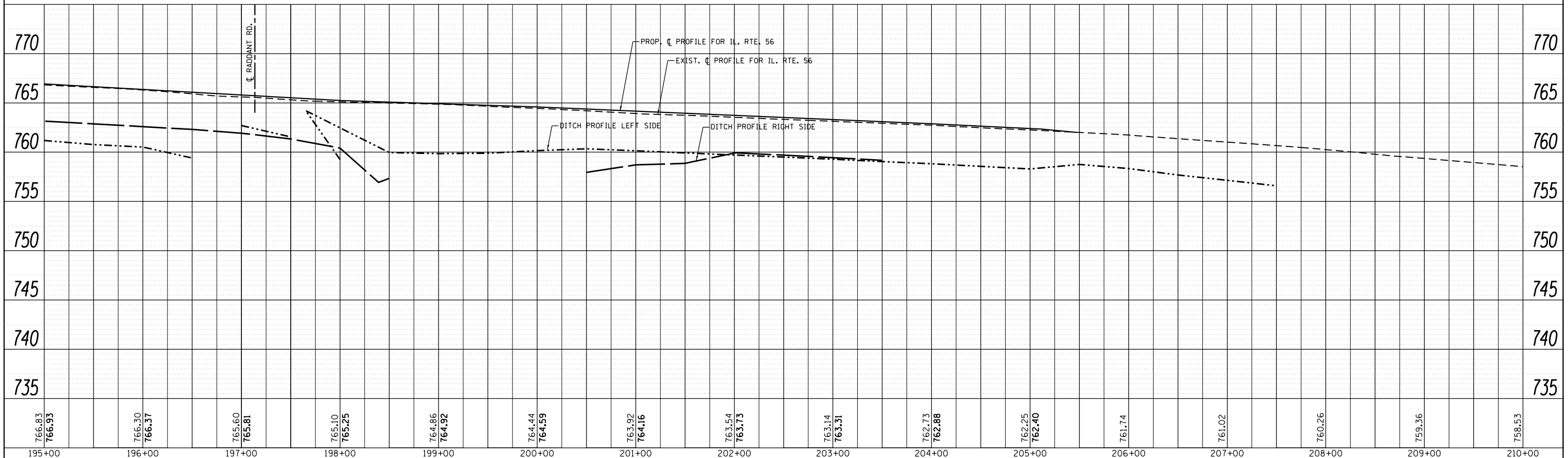
NOTE:
SEE SHEET 34 FOR PROP. DRAINAGE STRUCTURES TABLE
SEE SHEETS 35-38 FOR PROP. DRAINAGE STRUCTURE DETAILS

FILE NAME = p:\N\1084\EBID\INTEG.11\inois.gov\PWIDOT\Do...	USER NAME = bauerdl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING & PROPOSED DRAINAGE PLAN IL. ROUTE 56 AT RADDANT ROAD		F.A.P. RTE. 365	SECTION 60N-3	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 31
	PLLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -				SCALE: 1"=50'			SHEET OF SHEETS STA. 10+00.00 TO STA. 16+88.10	
Default	PLLOT DATE = 10/1/2016	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				

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



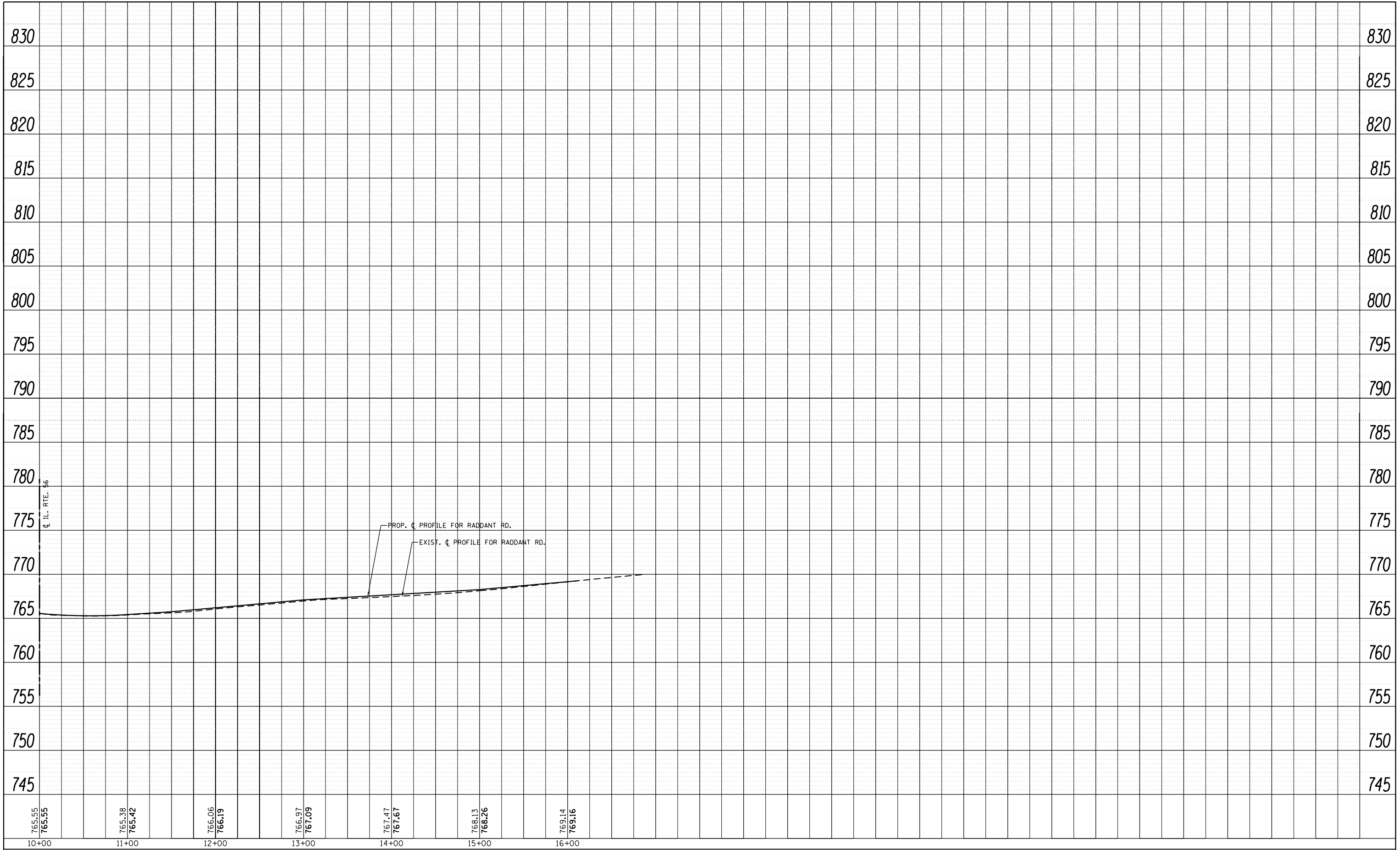
PROFILE	SURVEYED	DATE
NOTE BOOK NO.	CHECKED	BY
	GRADES	
	STRUCTURE	NOT AT THIS OFFICE



FILE NAME =	USER NAME = shiranib	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		DRAINAGE PROFILE IL. ROUTE 56 AT RADDANT ROAD		F.A.P. RTE. 365	SECTION 60N-3	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 32
		CHECKED -	REVISOR -			SCALE: 1"=50'		SHEET OF SHEETS		STA. 183+00.00 TO STA. 210+00.00		CONTRACT NO. 60T23
		DATE -	REVISOR -							ILLINOIS FED. AID PROJECT		

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

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		



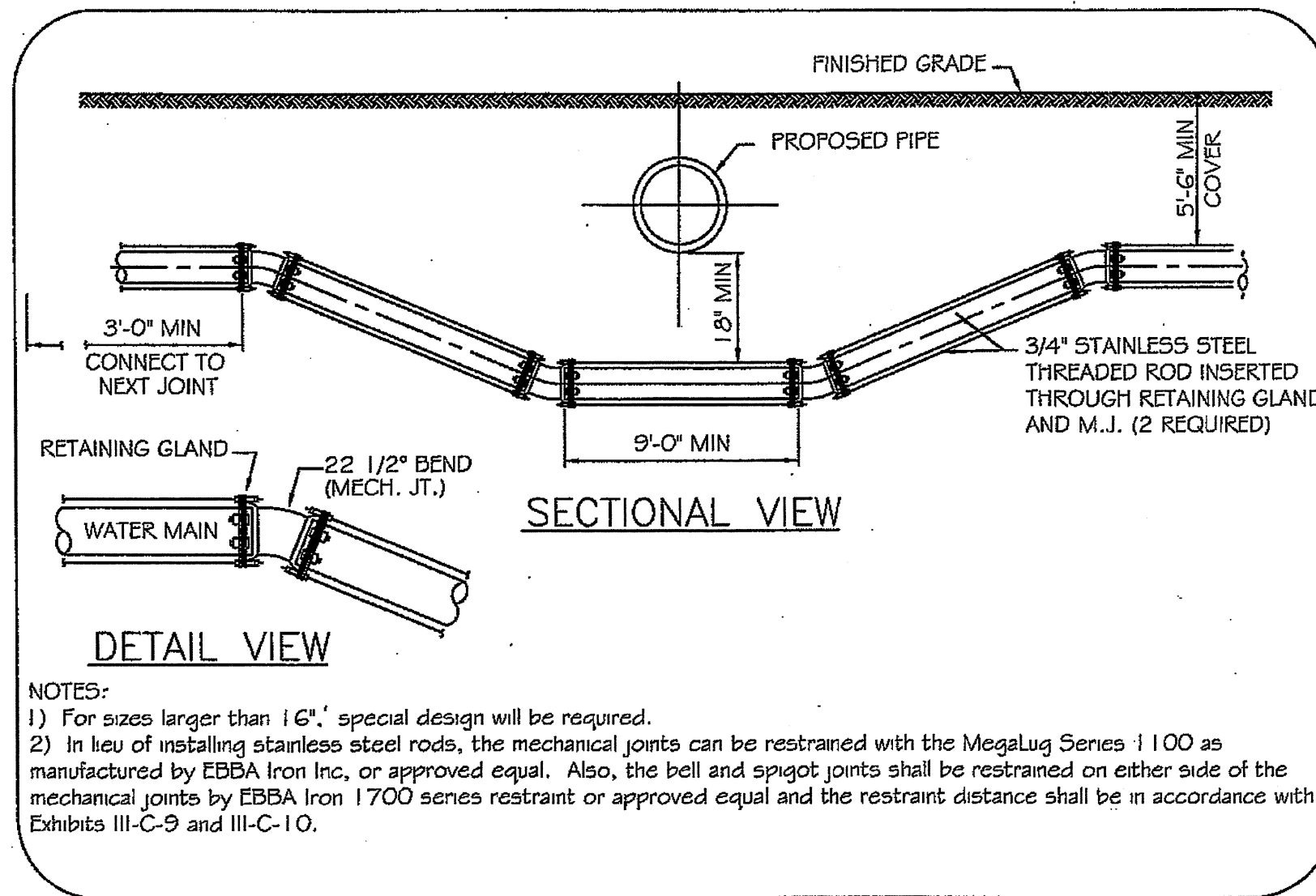
FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -
p:\1\084EBIDINTEG.allinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\P145389\DRAWING\CADsheets\P145389-shd-drain.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/18/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PROFILE
IL. ROUTE 56 AT RADDANT ROAD**

SCALE: 1"=50' SHEET OF SHEETS STA. 10+00.00 TO STA. 16+88.10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	33
CONTRACT NO. 60T23			ILLINOIS FED. AID PROJECT	



NOTES:

- 1) For sizes larger than 16" special design will be required.
- 2) In lieu of installing stainless steel rods, the mechanical joints can be restrained with the MegaLug Series 1100 as manufactured by EBBA Iron Inc, or approved equal. Also, the bell and spigot joints shall be restrained on either side of the mechanical joints by EBBA Iron 1700 series restraint or approved equal and the restraint distance shall be in accordance with Exhibits III-C-9 and III-C-10.

WATER MAIN LOWERING DETAIL

FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN LOWERING DETAIL IL. ROUTE 56 AT RADDANT RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	3309-Design.dgn	DRAWN -	REVISED -	SCALE: NONE	SHEET OF SHEETS	365	60N-3	KANE	93	33-A
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	STA. TO STA.						
	PLOT DATE = 4/29/2016	DATE -	REVISED -							CONTRACT NO. 60T23
ILLINOIS FED. AID PROJECT										

DRAINAGE STRUCTURE TABLE											
NO.	STATION	OFFSET (FT)	STRUCTURE TYPE	DIAMETER (FT)	F&G TYPE	INVERT ELEV. (FT)				RIM ELEV. (FT)	
						N	S	E	W		
1	182+51	54 LT	EXISTING					769.58	-	773.33	
2	184+50	50 LT	PRC FES, 18"		-			769.21			
3	181+25	50 LT	PRC FES, 18"		-				770.88		
4	184+50	46 LT	PRC FES, 18"		-			769.21			
5	189+12	41 LT	PRC FES, 24"		-				766.18		
6	189+49	43 LT	PRC FES, 24"		-			765.96			
7	190+50	55.7 RT	PRC FES, 21"		-				764.60		
8	192+00	47.7 RT	PRC FES, 21"		-			763.81			
9	190+95.8	53.3 RT	CB, T-A	4	T-11			764.36	764.26	768.50	
10	191+38.8	51 RT	CB, T-A	4	T-11			764.12	764.02	768.60	
11	195+98	55 LT	CONC. END SECTION, 42"		-				760.00		
12	196+87.7	75.8 LT	MH, T-A	7	T1-CL			758.50	759.00	764.00	
13	196+89.7	92.5 LT	PRC FES, 18"		-		759.10				
14	197+87.5	90 LT	PRC FES, 36"		-		759.10				
15	198+97.7	61.4 LT	PRC FES, 24"		-				758.50		
16	199+8.0	67.7 LT	PRC FES, 12"		-		759.50				
17	199+4.0	84 LT	CB, T-C	2	T-8 G		759.90			761.45	
*	18	198+77	96 RT	BOX CULVERT END SECTION 1			757.00				
**	19	197+90.3	77 LT	JUNCTION BOX	10'-9"X8'-9"	T1-CL	759.00	758.07	758.15	758.15	763.50
	20	196+28.3	90 LT	MH, T-A	4	T1-CL	759.92		759.92		764.25
	21	196+43.3	89 LT	PRC FES, 18"						759.86	

* SEE BOX CULVERT END SECTION DETAILS

** SEE CONCRETE JUNCTION CHAMBER DETAILS

PIPE TABLE							
NO.	STATION - STATION	CLASS	TYPE	DIAMETER (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU.YD.)
1	182+51-184+50	A	1	18	201	0.18	-
2	181+25-184+50	A	1	18	325	0.51	15.8
3	189+12-189+49	A	1	24	37	0.60	1.9
4	190+50-190+95	A	1	21	45	0.53	-
5	190+95-191+38.8	A	1	21	43	0.53	11.0
6	191+38.8-192+00	A	1	21	60	0.53	-
7	196+1.55-196+87.7	A	1	42	86	1.0	-
8	196+84.3-196+86.7	A	1	18	9	0.59	-
9	196+90.6-197+85.6	A	1	42	96	0.36	21.4
10	10+80.8-10+87.5	A	1	36	7	1.40	-
11	197+95-198+95	A	1	24	101	0.35	-
12	10+71-10+82	A	1	12	11	3.50	-
***	13	197+91.8 LT-198+76 RT		72X36	190	0.56	53.5
	14	196+28.3-196+43.3	A	1	14	0.42	-

*** SEE BOX CULVERT DETAILS

Benchmark: Sanitary Manhole on Raddant Road, Station 13+01.10.
 Offset 16.4' Left (West) of Raddant Road Centerline.
 Top of Rim Elev. = 766.29

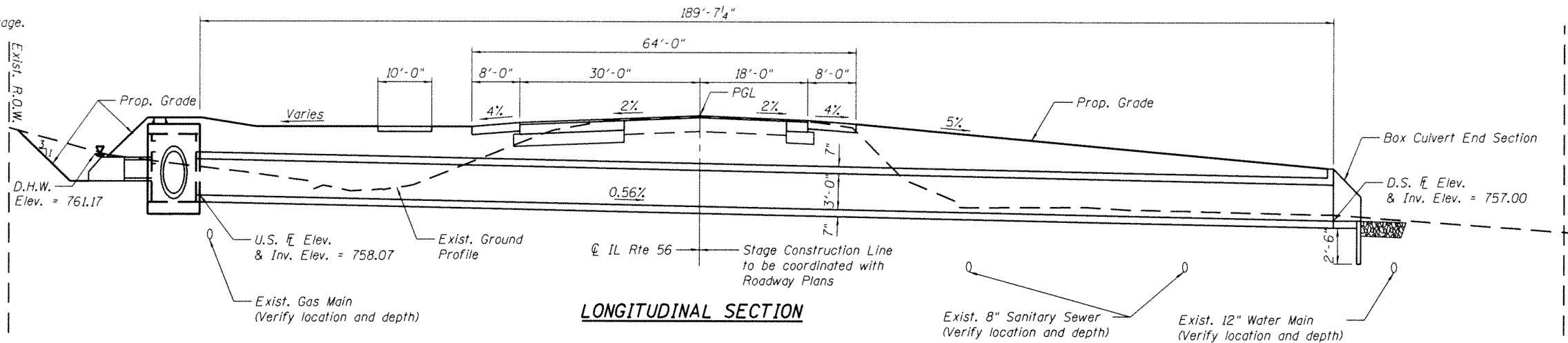
The Proposed Culvert is to be constructed as part of pre-stage construction utilizing day time lane closures. Contractor shall coordinate day time lane closures with IDOT.

Existing Structure:
 Two 18" diameter CMP culverts with concrete end sections.
 Existing culverts to be filled. Existing end sections to be partially removed (as needed) and buried.

WATERWAY INFORMATION

Drainage Area = 105.15 acres		Prop. Low Edge of Pavement = 762.60 at Sta. 202+50.								
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head - Ft.	Headwater El.	Exist.	Prop.	Exist.	Prop.
Design	10	35.80	2.46	15.84	758.89	760.71	3.06	0.00	761.95	759.88
Base	50	80.07	2.46	16.92	759.22	760.89	3.25	0.28	762.47	761.17
Overtopping	100	103.56	2.46	17.40	759.35	760.97	3.33	0.77	762.68	761.74
Max. Calc.										

No Salvage.



LONGITUDINAL SECTION

Note:
 A separate estimate of 2 yr Flow using USGS Streamstats predicts a 90% Prediction Interval Max. 25 cfs

LOADING HL-93
 Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
 2012 AASHTO LRFD Bridge Design Specifications, w/ 2013 Interims

DESIGN STRESSES
FIELD UNITS

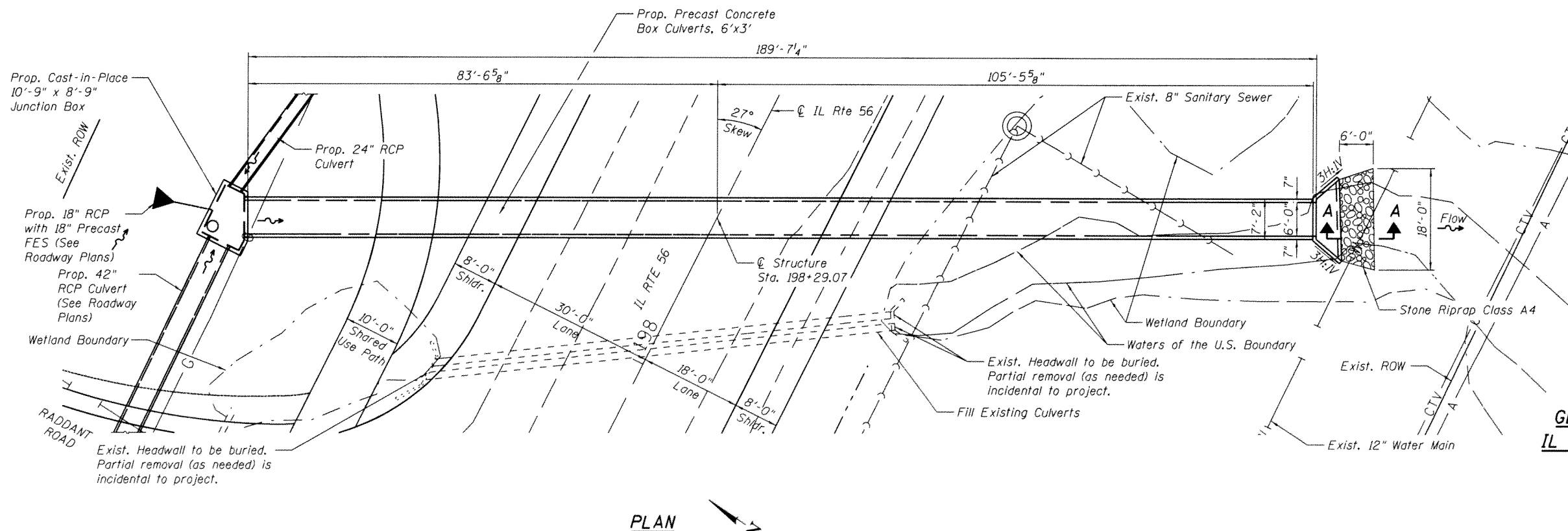
f'c = 3,500 psi
 fy = 60,000 psi (Reinforcement)

PRECAST UNITS

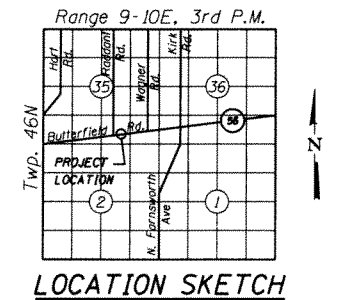
f'c = 5,000 psi
 fy = 65,000 psi

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.065g
 Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.125g
 Soil Site Class = C



PLAN



GENERAL PLAN AND ELEVATION
IL ROUTE 56 (BUTTERFIELD ROAD)
AT RADDANT ROAD
KANE COUNTY
STATION 198+29.07

COMPANY NAME: HRGreen
 PROJECT CONTACT: Sean Connor
 CLIENT: Illinois Department of Transportation
 DATE PLOTTED: 4/28/2014 12:20:30 PM
 PLOT ORIGIN: I:\2013\11-17-14\11-17-14.ctb
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 PEN TABLE: Struct 11/17/14



USER NAME =	DESIGNED - TOR	REVISED
PLOT SCALE =	CHECKED - JMW	REVISED
PLOT DATE =	DRAWN - WJH	REVISED
	CHECKED - RGD	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
 PROPOSED DRAINAGE STRUCTURE DETAILS

SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	35
CONTRACT NO. 60T23				
ILLINOIS FED. AID PROJECT				

INDEX OF SHEETS

1. General Plan and Elevation
2. General Notes and Bill of Materials
3. End Section Details
4. Concrete Junction Chamber Details

GENERAL NOTES

1. Precast concrete culverts, 6'x3' shall conform to the requirements of Article 540.06 of the Standard Specifications, and the applicable requirements of AASHTO M 259 and ASTM C1577-14 for 2'3 feet of cover.

The minimum precast concrete strength shall be 5,000 psi.

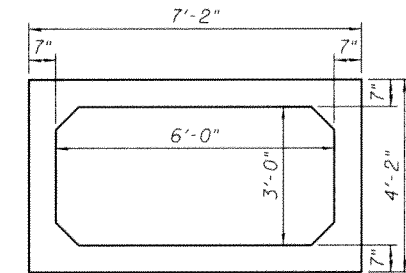
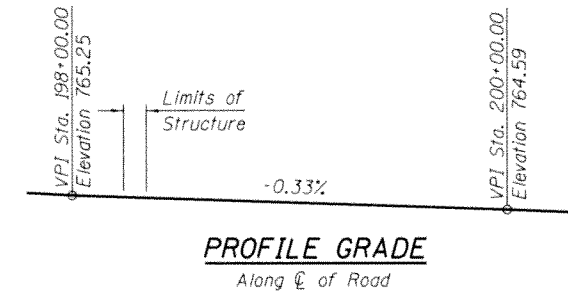
Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.

Fill varies from 2'-0" to 5'-0" within limits of roadway.

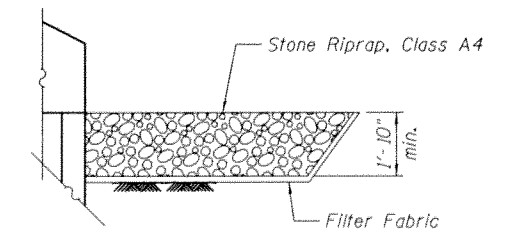
2. Contractor shall maintain ditch flows in accordance with the Standard Specifications Article 502.
3. Reinforcement bars shall conform to the requirements of ASTM A 760 Gr 60. See Special Provisions.
4. Reinforcement bars designated (E) shall be epoxy coated
5. Cover from the face of Cast-in-Place Concrete to Reinforcement bars shall be 3" from surfaces formed against earth and 2" for all other surfaces unless otherwise shown. Cover from face of Precast Concrete to Reinforcement bars shall be 1" for all surfaces.
6. Concrete fillets shall consist of unreinforced Class SI concrete. Construct after apron and walls. Use bonded construction joint (503.09 (b)) between fillet and apron wall surfaces.
7. Chloride containing admixtures shall not be used for Class SI concrete.
8. Up to 3 feet of over excavation may be required at the proposed culvert location. Backfill shall consist of Porous Granular Embankment. Work will be paid for at the contract unit price for Removal and Disposal of Unsuitable Material and Porous Granular Embankment.
9. Filling of Existing Culverts, with a quantity of 1 each includes all existing pipes crossing Rte 56 at the location specified on plans.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material	Cu. Yd.	36
Porous Granular Embankment	Cu. Yd.	36
Stone Riprap, Class A4	Sq. Yd.	12
Filter Fabric	Sq. Yd.	12
Structure Excavation	Cu. Yd.	36
Concrete Structures	Cu. Yd.	8.2
Reinforcement Bars, Epoxy Coated	Pound	2260
Box Culvert End Sections, Culvert No. 1	Each	1
Precast Concrete Box Culverts 6'x3'	Foot	190
Filling Existing Culverts	Each	1



SECTION THRU PRECAST BARREL



SECTION A-A

COMPANY NAME: HRGREEN
 PROJECT CONTACT: Sean Connor
 CLIENT: Illinois Department of Transportation
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 PEN TABLE: Struct 1147121



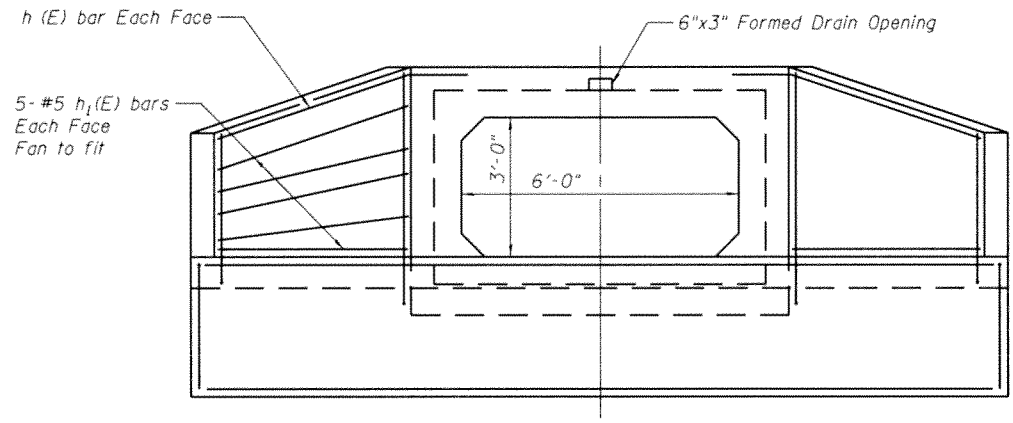
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	CHECKED - JMW	REVISED
PLOT SCALE =	DRAWN - WJH	REVISED
PLOT DATE =	CHECKED - RGD	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

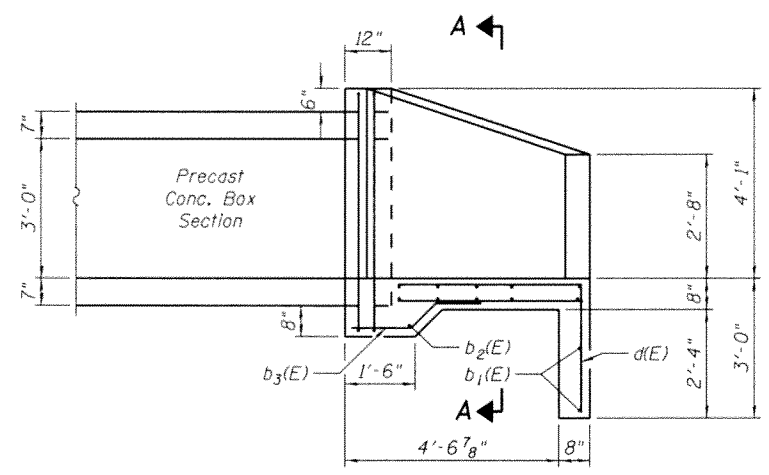
GENERAL NOTES AND BILL OF MATERIAL

SHEET NO. OF SHEETS

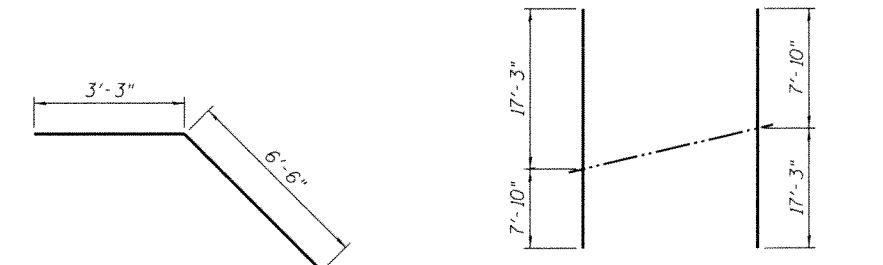
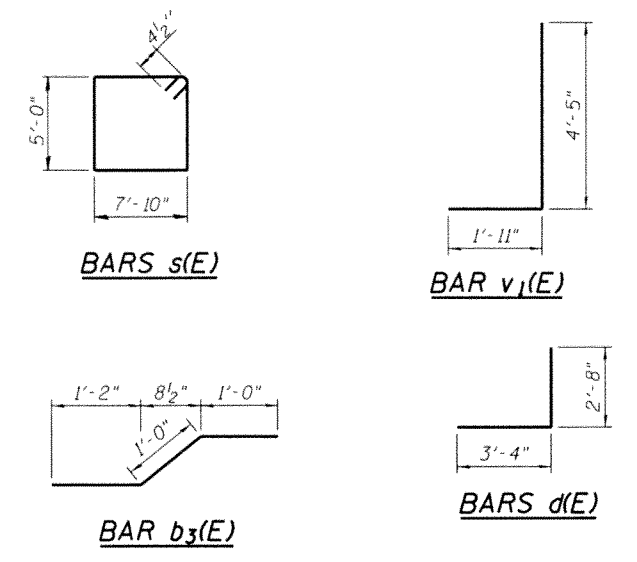
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	36
CONTRACT NO. 60T23				
ILLINOIS FED. AID PROJECT				



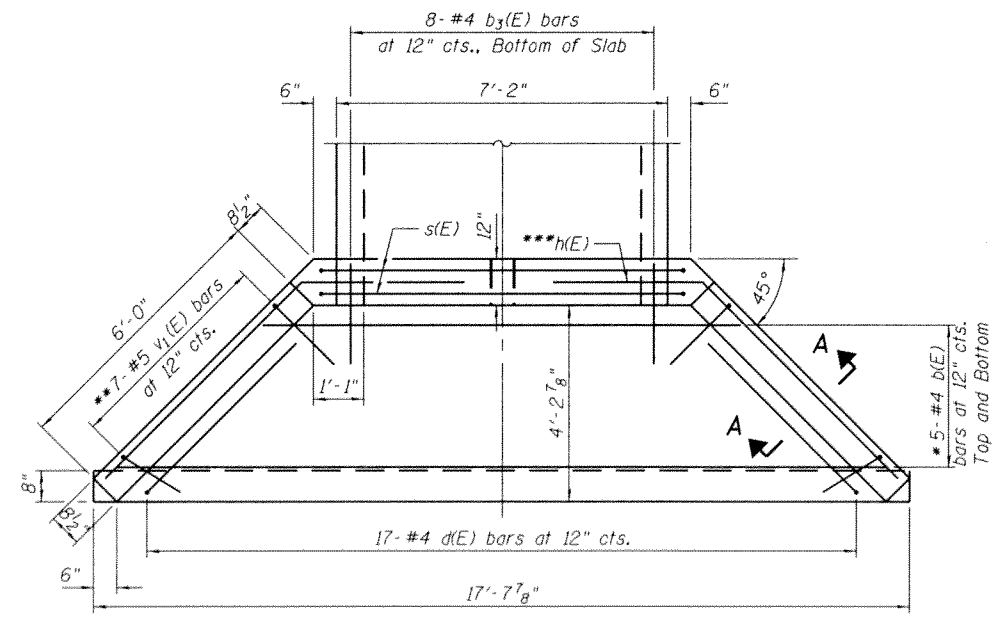
END ELEVATION



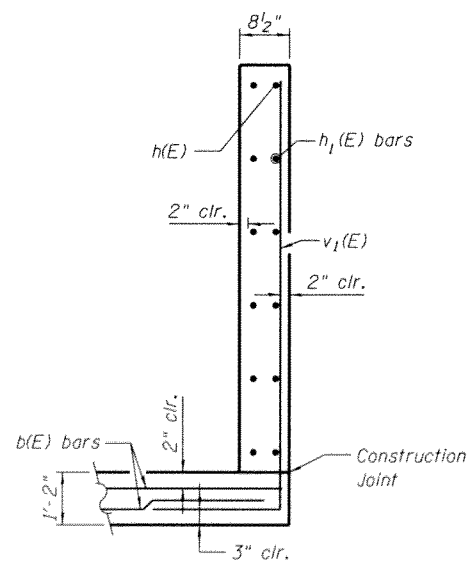
HALF SIDE ELEVATION



*Order b(E) bars full length. Cut as shown and use remainder of bars in bottom of slab.



PLAN



SECTION A-A

BILL OF MATERIAL FOR END SECTION

Bar	No.	Size	Length	Shape	
b(E)	5	#4	25'- 1"	—	
b1(E)	2	#4	17'- 3"	—	
b2(E)	1	#4	7'- 10"	—	
b3(E)	8	#4	3'- 2"	⌋	
d(E)	17	#4	6'- 0"	└	
h(E)	2	#5	9'- 9"	└	
h1(E)	20	#5	6'- 4"	—	
s(E)	2	#5	26'- 5"	□	
v1(E)	14	#5	6'- 4"	└	
Box Culvert End Sections, Culvert 1				Each	1

BOX CULVERT END SECTIONS shall be paid for as noted in Article 540.08, and the Contract Unit Price for BOX CULVERT END SECTIONS shall include all porous granular bedding material, cast in place wingwalls, headwalls, and aprons, cast in place portions between cells, reinforcement, excavation, backfill, and preformed joint filler.

COMPANY NAME: HRGreen
 PROJECT CONTACT: Sean Connor
 CLIENT: Illinois Department of Transportation
 DATE PLOTTED: 4/18/2014 12:00:31 PM
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HRGreen.com
 Illinois Professional Design Firm
 #184-001322

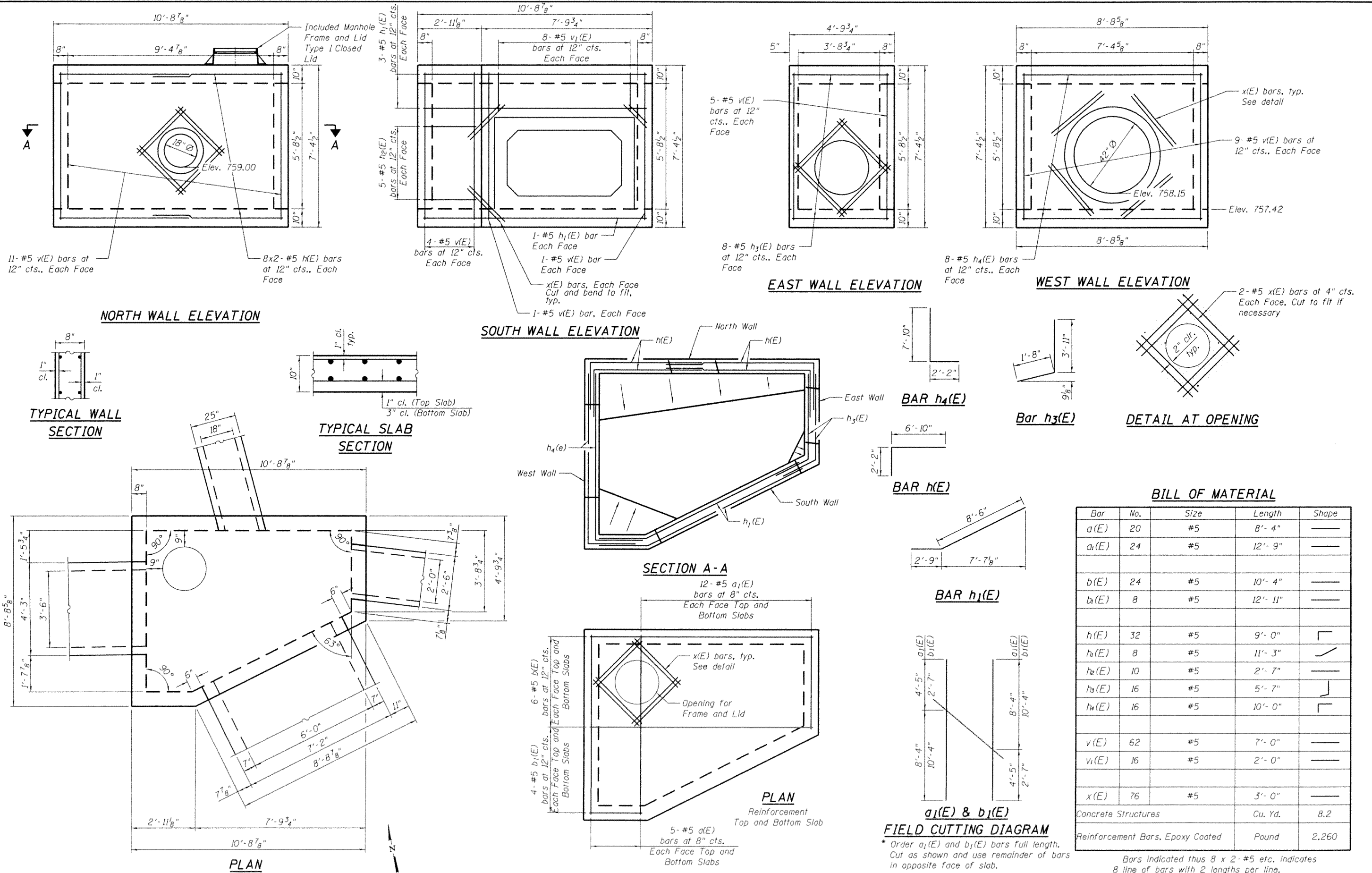
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PLOT SCALE *	CHECKED - JMW	REVISED
PLOT DATE *	DRAWN - WJH	REVISED
	CHECKED - RGD	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

END SECTION DETAILS

SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	37
CONTRACT NO. 60T23				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	20	#5	8'- 4"	—
a1(E)	24	#5	12'- 9"	—
b(E)	24	#5	10'- 4"	—
b1(E)	8	#5	12'- 11"	—
h(E)	32	#5	9'- 0"	┌
h1(E)	8	#5	11'- 3"	┌
h2(E)	10	#5	2'- 7"	—
h3(E)	16	#5	5'- 7"	┌
h4(E)	16	#5	10'- 0"	┌
v(E)	62	#5	7'- 0"	—
v1(E)	16	#5	2'- 0"	—
x(E)	76	#5	3'- 0"	—
Concrete Structures			Cu. Yd.	8.2
Reinforcement Bars, Epoxy Coated			Pound	2,260

Bars indicated thus 8 x 2- #5 etc. indicates 8 line of bars with 2 lengths per line.

COMPANY NAME: HRGreen
 PROJECT CONTACT: Sean Connor
 CLIENT: Illinois Department of Transportation
 DATE PLOTTED: 4/18/2014 12:20:32 PM
 PLOT DEVICE: HPGL-RT1-USB-PC-CP
 PLOT TABLE: Structure.tbl

HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME =
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 CHECKED - JMW
 DRAWN - WJH
 CHECKED - RGD

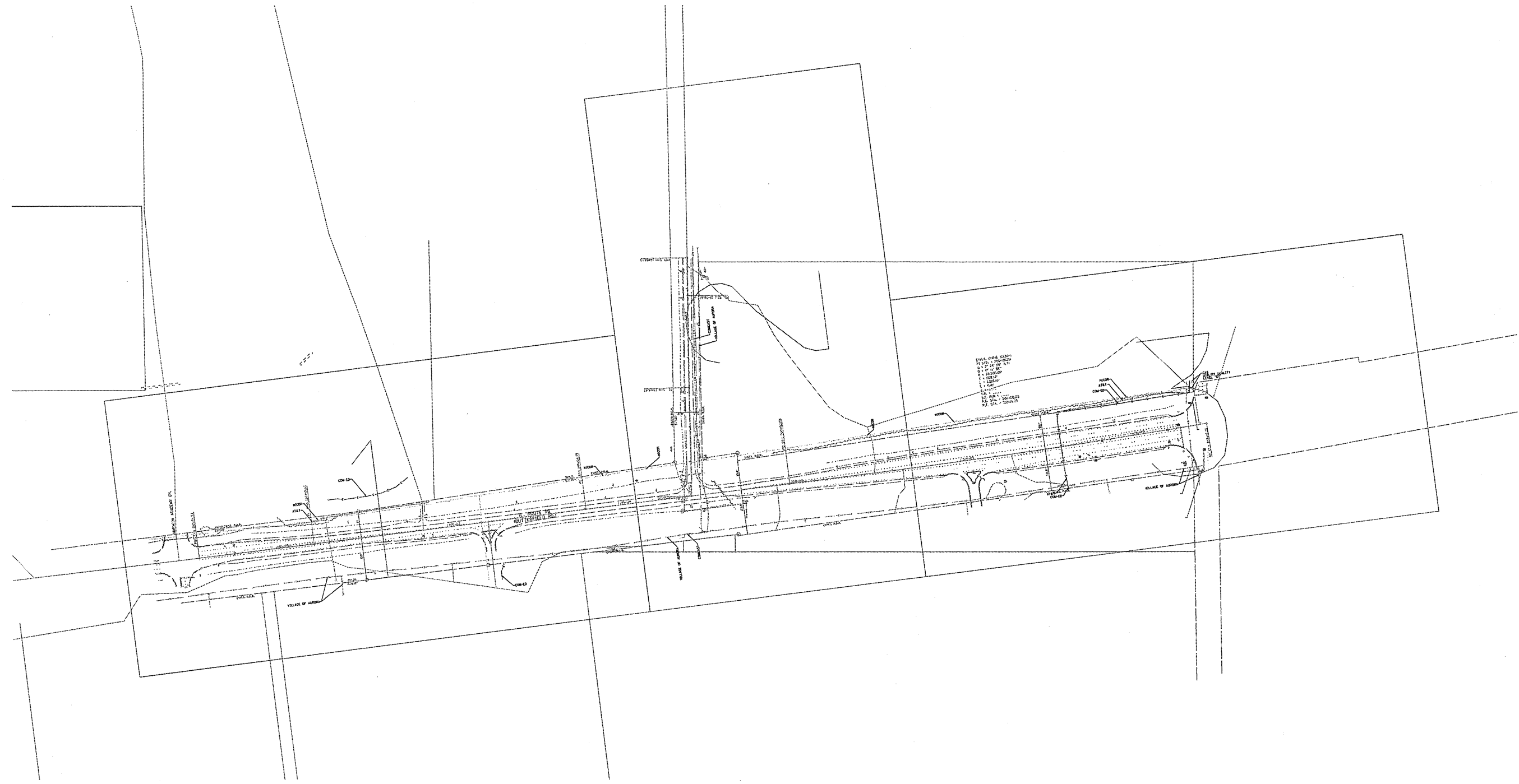
REVISED
 REVISED
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE JUNCTION CHAMBER DETAILS

SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	38
CONTRACT NO. 60T23			ILLINOIS FED. AID PROJECT	



—A—A—A—A—	AERIAL
- - - - -	UNKNOWN
—CTV—CTV—CTV—	CABLE TV
—T—T—T—T—	TELEPHONE
—G—G—G—G—	GAS
—E—E—E—E—	ELECTRIC
—W—W—W—W—	WATER
—FD—FD—FD—	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COMCAST - FIBER OPTIC	
COM-ED - ELECTRIC	
NICOR - GAS	
VILLAGE OF AURORA - WATER	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed 12/19/13 through 1/17/14. Changes to utilities after 1/17/14 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.



TBE Job No. IL09510553
SUE Plan Page: Cover

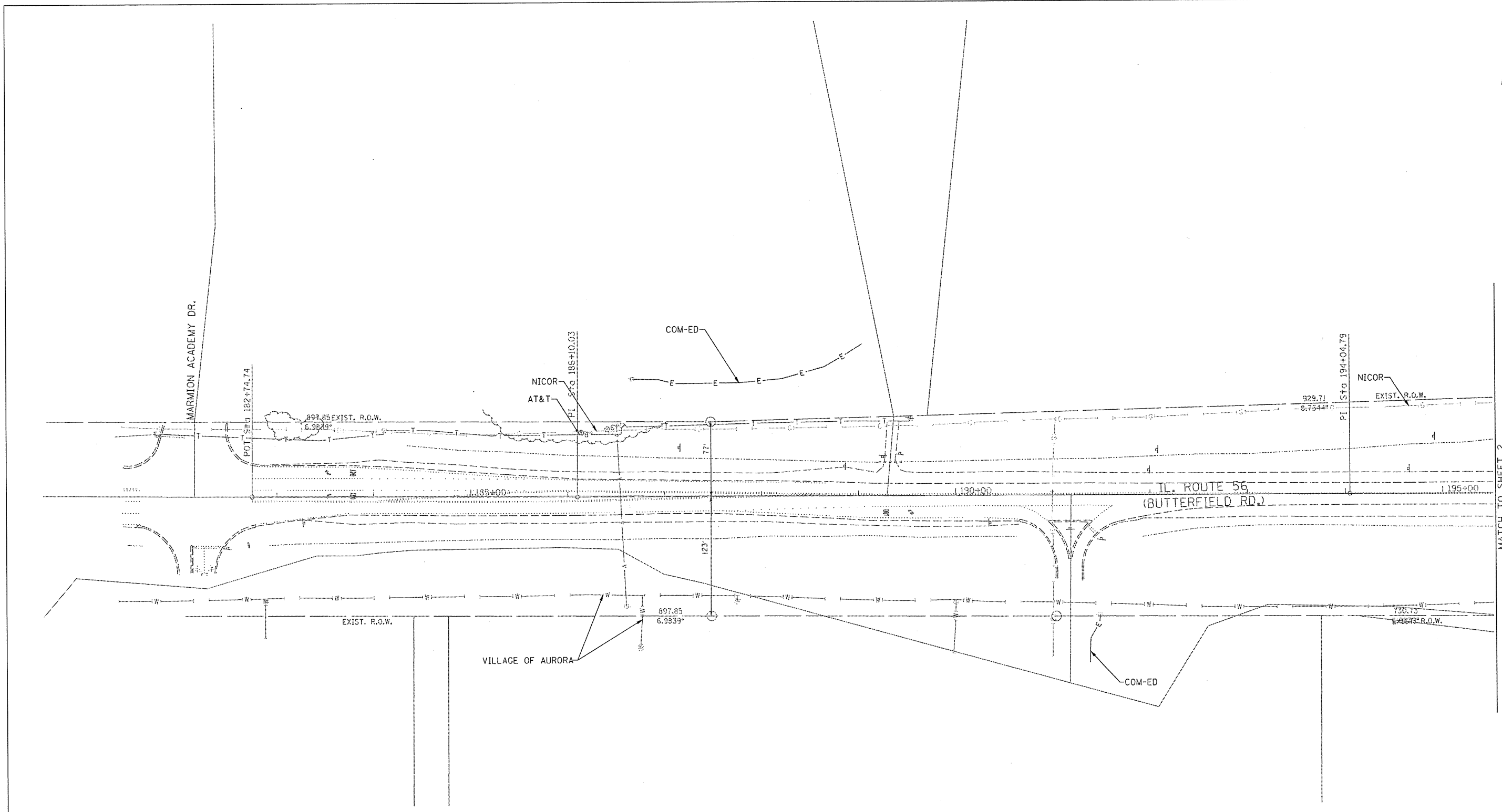
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	MS	REVISED
DRAWN	SRK	REVISED
CHECKED	KFS	REVISED
DATE	1/21/14	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 56 at Raddant Road
Aurora, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Kane	93	39
Contract No. 60T23				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

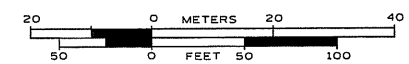


— A — A —	AERIAL
- - - - -	UNKNOWN
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COMCAST - FIBER OPTIC	
COM-ED - ELECTRIC	
NICOR - GAS	
VILLAGE OF AURORA - WATER	

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



TBE Job No. IL09510553
SUE Plan Page: 1 of 3

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 MS	REVISED
DRAWN SRK	REVISED
CHECKED KFS	REVISED
DATE 1/21/14	REVISED

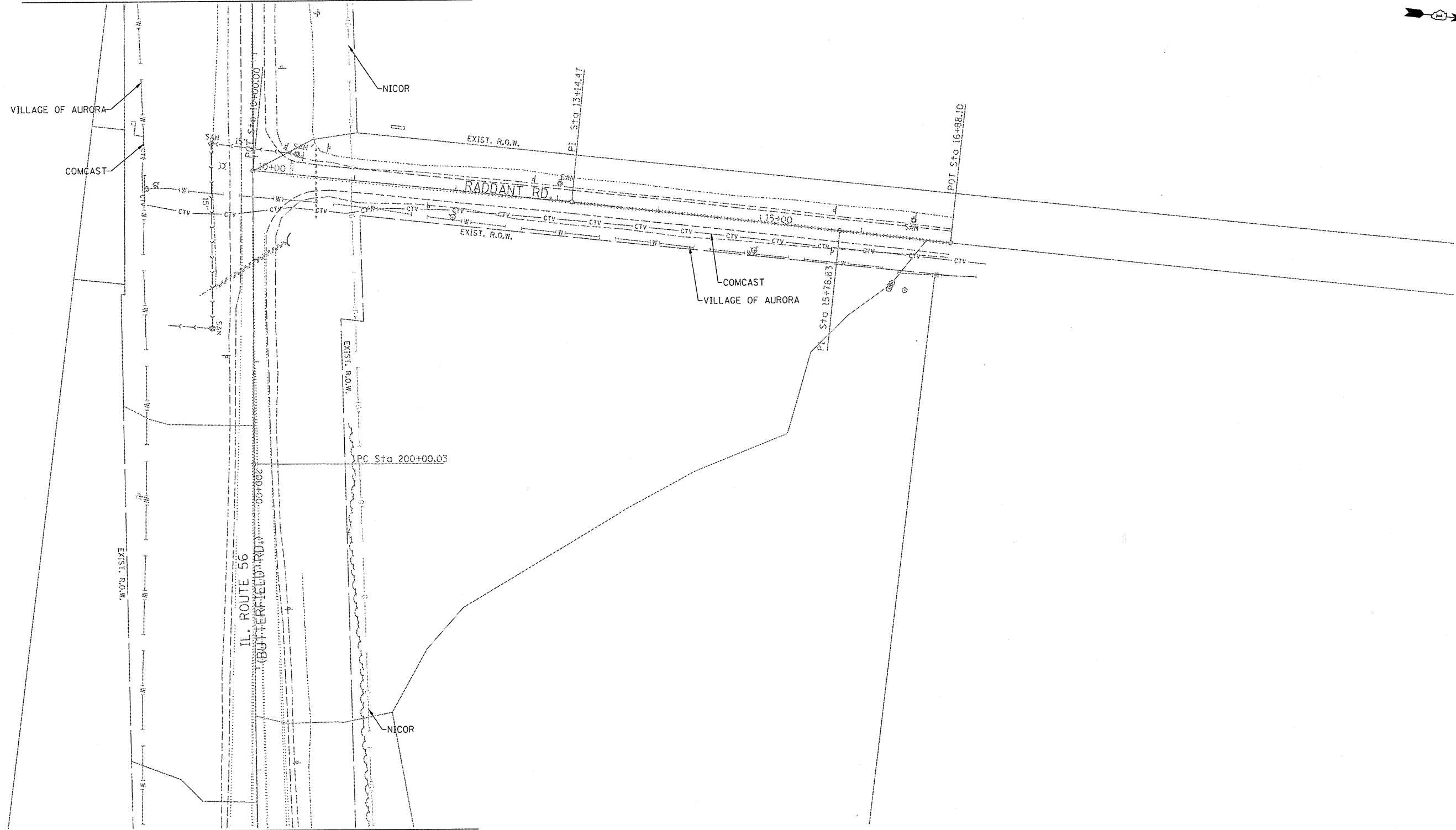
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 56 at Raddant Road
Aurora, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Kane	93	40
FED. ROAD DIST. NO.		ILLINOIS	IDOT Project No.	
			Contract No. 60T23	



MATCH TO SHEET 1



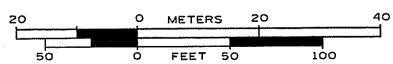
MATCH TO SHEET 3

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— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COMCAST - FIBER OPTIC	
COM-ED - ELECTRIC	
NICOR - GAS	
VILLAGE OF AURORA - WATER	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed 12/19/13 through 1/17/14. Changes to utilities after 1/17/14 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.



TBE Job No. IL09510553
SUE Plan Page: 2 of 3

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 MS	REVISED
DRAWN SRK	REVISED
CHECKED KFS	REVISED
DATE 1/21/14	REVISED

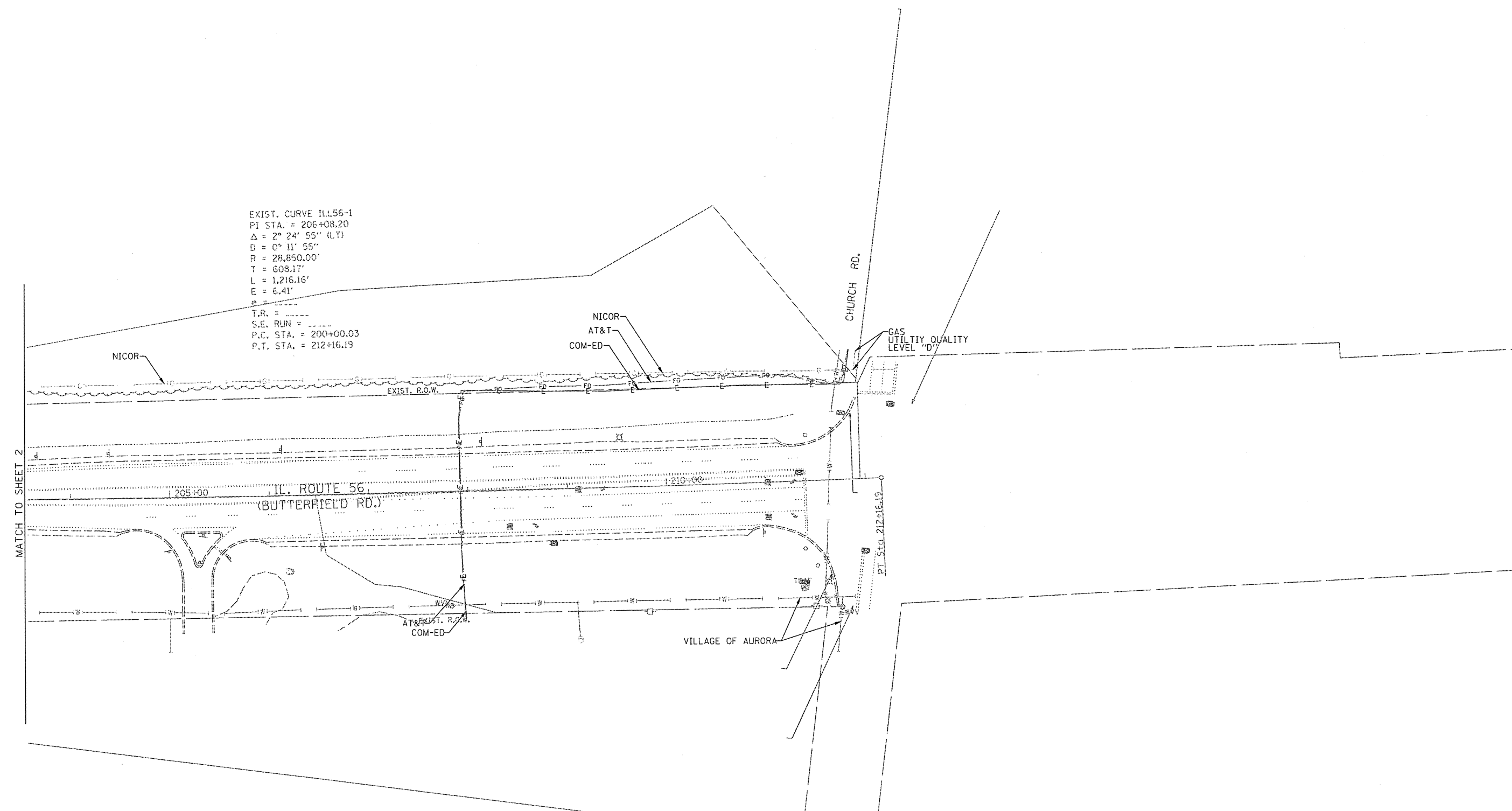
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 56 at Raddant Road
Aurora, Illinois**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Kane	93	41
Contract No. 60T23				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				



EXIST. CURVE ILL56-1
 PI STA. = 206+08.20
 $\Delta = 2^\circ 24' 55''$ (LT)
 $D = 0^\circ 11' 55''$
 $R = 28,850.00'$
 $T = 608.17'$
 $L = 1,216.16'$
 $E = 6.41'$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 200+00.03
 P.T. STA. = 212+16.19

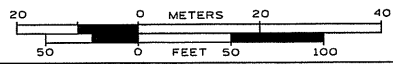


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----- CTV ----- CTV -----	CABLE TV
----- T ----- T -----	TELEPHONE
----- G ----- G -----	GAS
----- E ----- E -----	ELECTRIC
----- W ----- W -----	WATER
----- FO ----- FO -----	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COMCAST - FIBER OPTIC	
COM-ED - ELECTRIC	
NICOR - GAS	
VILLAGE OF AURORA - WATER	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed 12/19/13 through 1/17/14. Changes to utilities after 1/17/14 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.



TBE Job No. IL09510553
 SUE Plan Page: 3 of 3

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 MS	REVISED
DRAWN SRK	REVISED
CHECKED KFS	REVISED
DATE 1/21/14	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

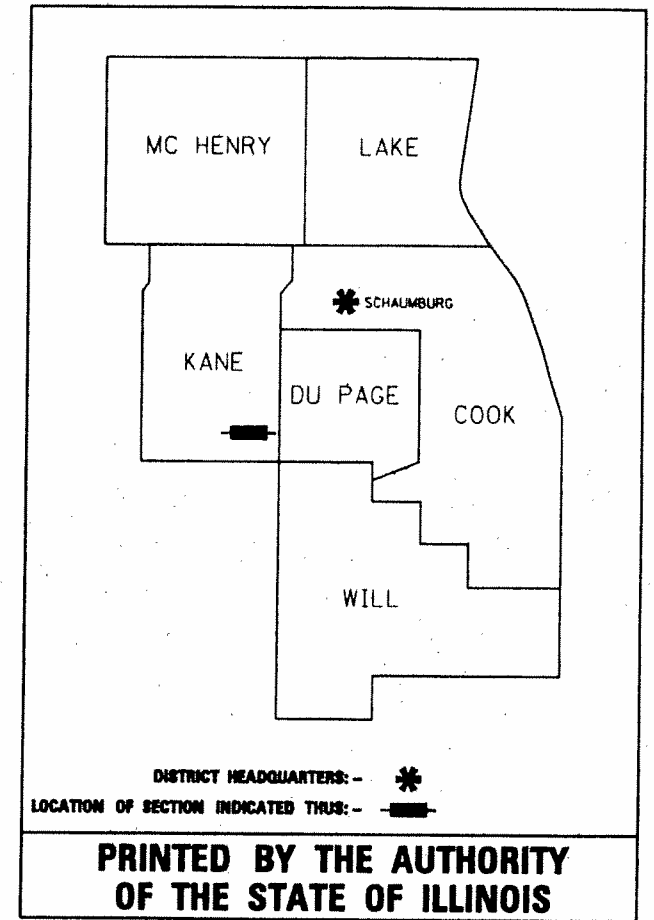
IL 56 at Raddant Road
Aurora, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Kane	93	42
Contract No. 60T23				
FED. ROAD DIST. NO. [ILLINOIS] IDOT Project No.				

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
PLAT OF HIGHWAYS

**IL ROUTE 56
 BUTTERFIELD ROAD
 (AT RADDANT ROAD)
 KANE COUNTY
 JOB NO. R-91-019-13**

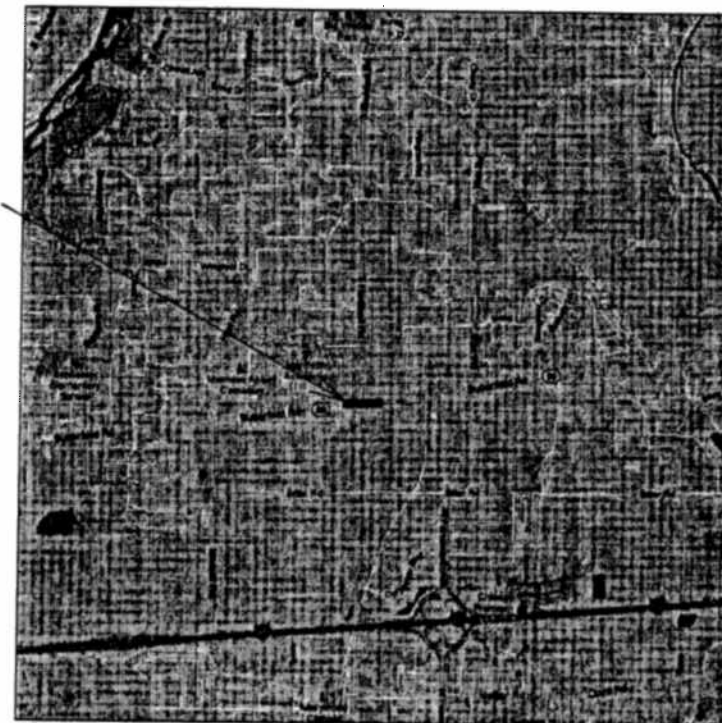
PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
IKJ000ITE	MARMION, A CORPORATION OF ILLINOIS	2	



**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

EEI Engineering Enterprises, Inc.
 CONSULTING ENGINEERS
 52 Wheeler Road
 Sugar Grove, Illinois 60554
 Phone: (630) 466-6700

PROJECT LOCATION



LOCATION MAP

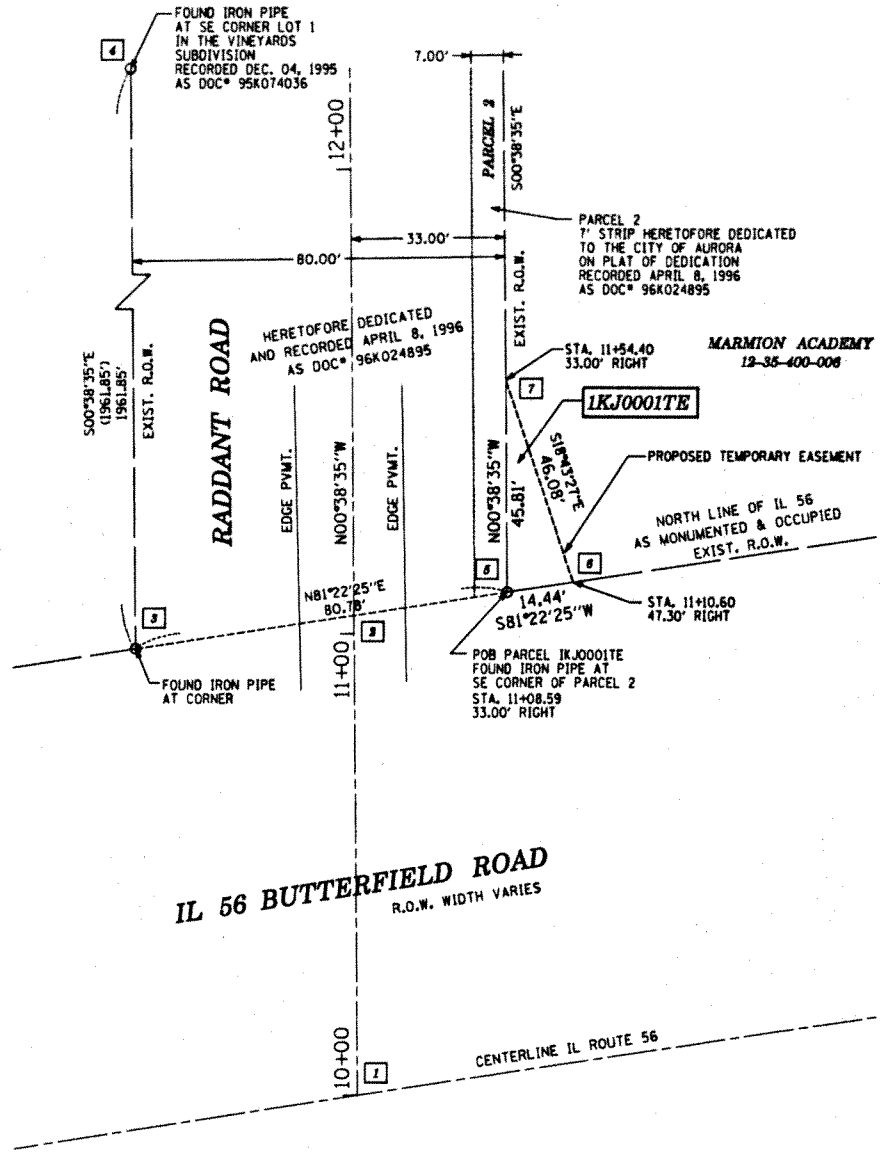
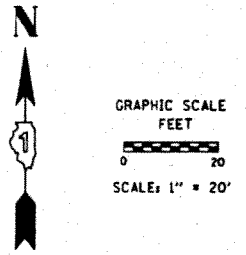
PART OF SECTION 35 IN TWP. 39 N, RANGE 8 EAST OF 3RD. P.M.
 KANE COUNTY, ILLINOIS

RECEIVED
 JUL 08 2013
 PLATS & LEGALS

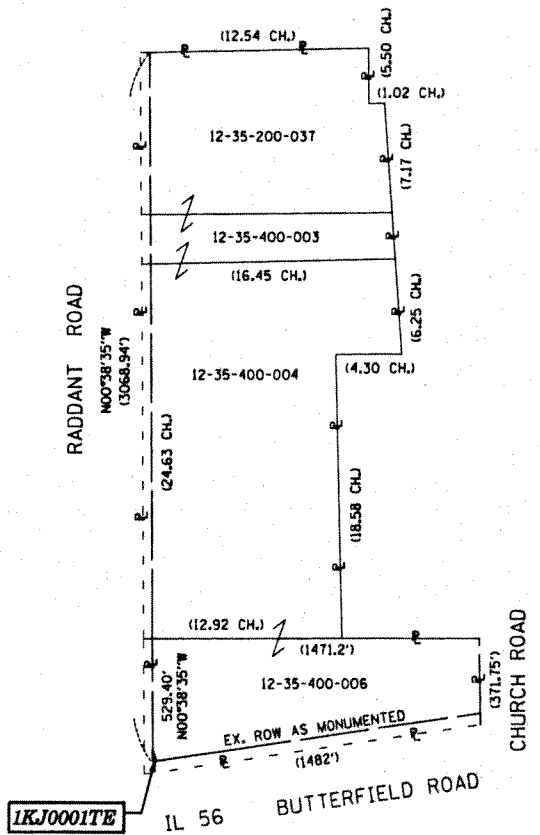
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	43
CONTRACT NO. 60T23				
ILLINOIS FED. AID PROJECT				

PART OF THE SE 1/4 OF SECTION 35, TWP. 39 NORTH, R. 8 EAST OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	AREA TAKEN		AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		EASEMENT PURPOSE	PERMANENT INDEX NUMBER
		ACRES	SQ FEET			ACRES	SQUARE FEET		
1KJ0001TE	71.360	-	-	-	71.360	0.008	327.5	CONSTRUCTION	12-35-400-006 12-35-400-004 12-35-200-037 12-35-400-003



TOTAL HOLDING EXHIBIT



LEGEND

- SECTION LINE
 - - - QUARTER SECTION LINE
 - - - QUARTER, QUARTER SECTION LINE
 - PLATTED LOT LINES
 - PROPERTY (DEED) LINE
 - APL APPARENT PROPERTY LINE
 - EXISTING CENTERLINE
 - PROPOSED CENTERLINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT
 - 129.82' MEASURED DIMENSION
 - 129.82' (COMP) COMPUTED DIMENSION
 - 129.82' (RECOR) RECORDED DIMENSION
 - EXISTING BUILDING
-
- IRON PIPE OR ROD FOUND
 - ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
-
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
 - T2
 - T3
 - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
 - BT2
 - BT3
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S 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 SURVEYOR'S 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
ISS
COUNTY OF KANE

THIS IS TO CERTIFY THAT I, CHRIS E. PETERSON, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 35, TOWNSHIP 39 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 SUGAR GROVE, ILLINOIS THIS DAY OF 2013 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3678
LICENSE EXPIRATION DATE: 11-30-2014

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



All bearings and coordinates are based on the Illinois State Plane Coordinate System East Zone NAD83 (2011 Adjustment). Coordinates are on the ground. All measured and calculated distances are on the ground. combined scale factor = 0.999943130
To obtain State Plane grid coordinates, multiply the northing and easting by the combined scale factor.

STATION EQUATION & COORDINATE TABLE

PT#	COORDINATES	STATION & OFFSET	DESCRIPTION
1	N 1874218.90 E 996326.66	10+00.00, 0.00' RT	BEGIN CL RADDANT
2	N 1874322.86 E 996325.49	11+03.97, 0.00' RT	CL RADDANT @ N LINE 56
3	N 1874315.74 E 996279.57	10+97.38, 47.00' LT	FOUND IRON PIPE
4	N 1876277.47 E 996256.55	30+59.23, 47.00' LT	FOUND IRON PIPE
5	N 1874327.86 E 996358.43	11+08.59, 33.00' RT	FOUND IRON PIPE
6	N 1874330.02 E 996372.71	11+10.60, 47.30' RT	TEMPORARY EASEMENT
7	N 1874373.66 E 996357.92	11+54.40, 33.00' RT	TEMPORARY EASEMENT

RECEIVED
JUL 08 2013
PLATS & LEGALS

ENGINEERING ENTERPRISES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
52 WHEELER ROAD
SUGAR GROVE, ILLINOIS 60554
TEL (630) 466-4700 / www.eetweb.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 56
LIMITS: RADDANT RD. COUNTY: KANE
PROJECT: IL 56 JOB NO.: R-91-019-13
STATION 11+08.59 TO STATION 11+54.40
SCALE: 1"=20' SHEET 2 OF 2

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

EET Job# ID1003H
MADE BY: CEP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	44

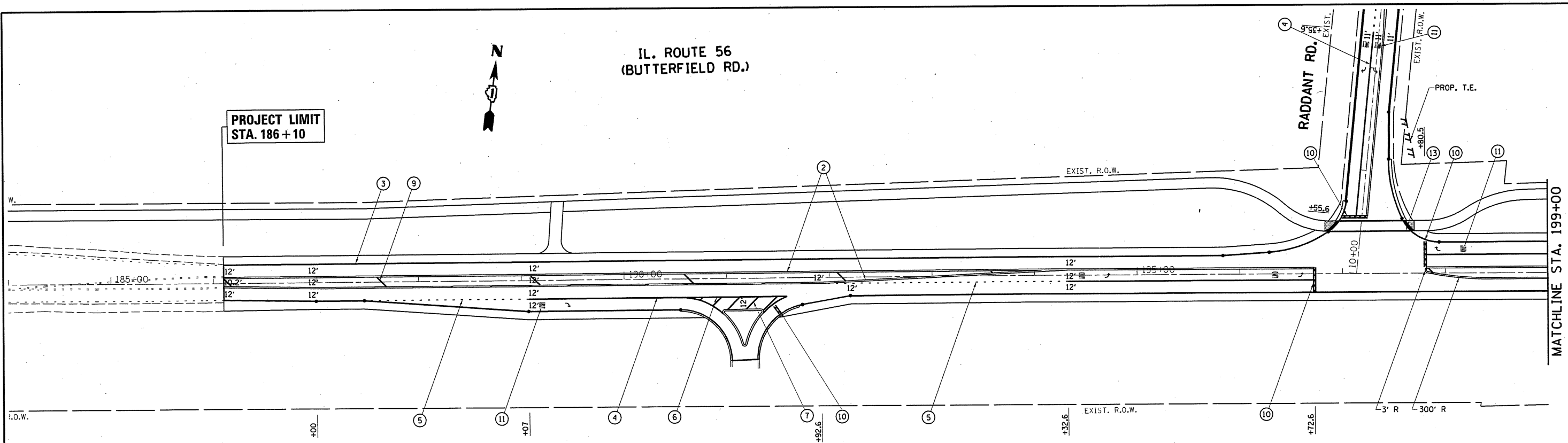
CONTRACT NO. 60T23

REVISION DATE: July 08, 2013

IL. ROUTE 56
(BUTTERFIELD RD.)



PROJECT LIMIT
STA. 186+10



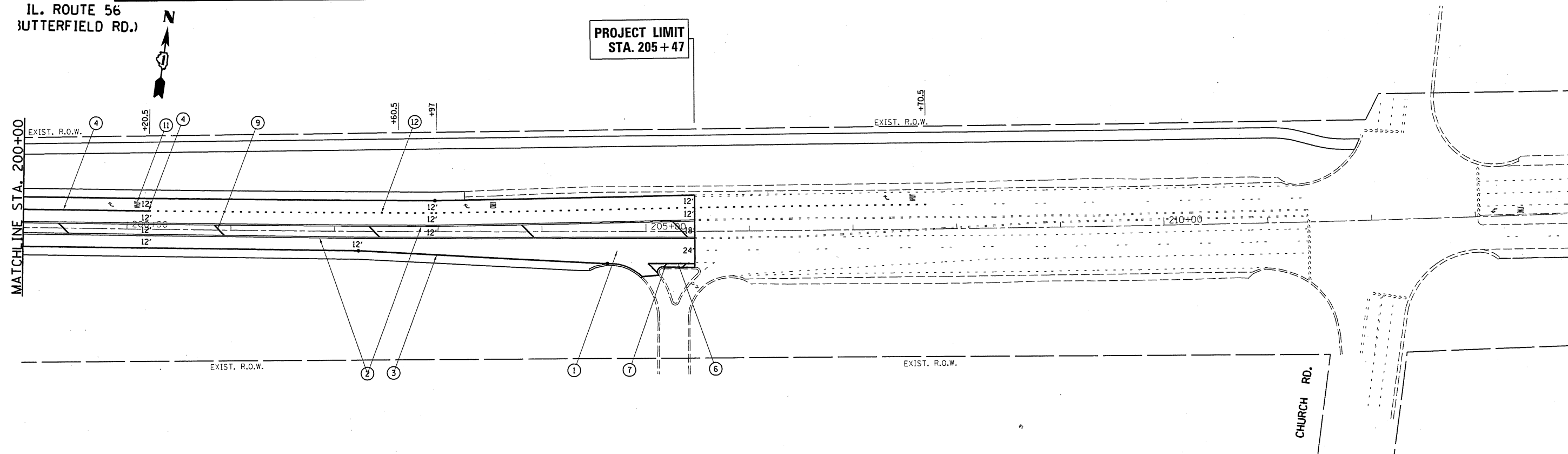
LEGEND

- ① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH @ 30' SKIP & 10' DASH, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE LINE @ 11" C-C, YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" EDGE LINE, WHITE (TYP.)
- ④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" TURN LANE, WHITE (TYP.)
- ⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" DOTTED @ 6' SKIP & 2' DASH, WHITE (TYP.)
- ⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" SOLID, WHITE (TYP.)
- ⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONALS @ 45°, WHITE (TYP.), 10' SPACING
- ⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONALS @ 45°, YELLOW (TYP.), 75' SPACING
- ⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONALS @ 45°, YELLOW (TYP.), 150' SPACING
- ⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" STOP BAR, WHITE (TYP.)
- ⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, WHITE (TYP.)
- ⑫ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" DOTTED @ 9' SKIP & 3' DASH, WHITE (TYP.)
- ⑬ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" CROSSWALK LINES SPACED @ 6' C-C, WHITE (TYP.)

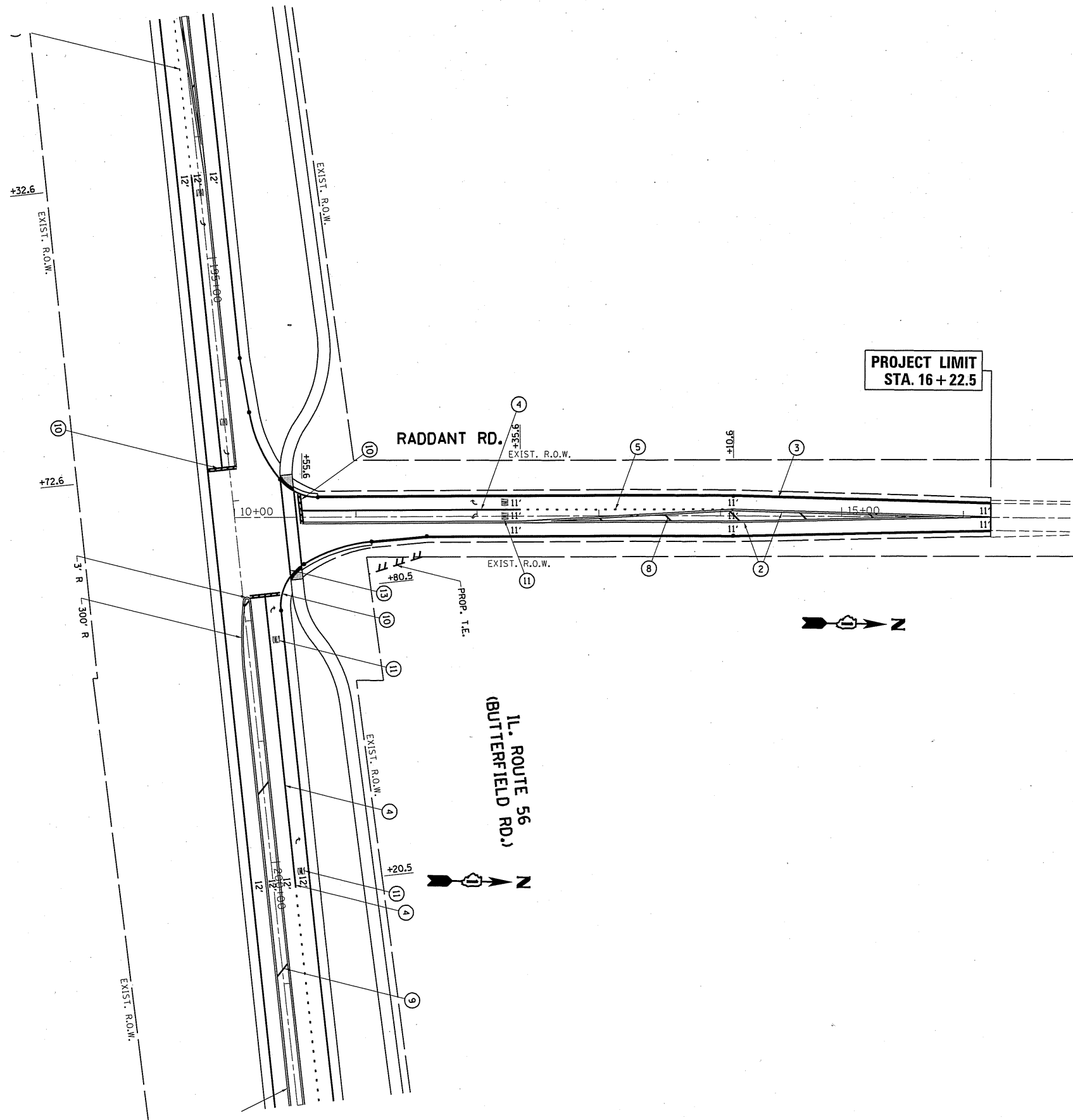
IL. ROUTE 56
(BUTTERFIELD RD.)



PROJECT LIMIT
STA. 205+47



FILE NAME =	USER NAME = bauerdl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN IL. ROUTE 56 AT RADDANT ROAD			F.A.P. RTE. 365	SECTION 60N-3	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 45
Default	Documents\IDOT Offices\District 1\Projects\PI45309\Drawings\GAD\Sheets\PI45309-sht-pmk.dwg	CHECKED -	REVISED -		SCALE: 1"=50'			SHEET OF SHEETS STA. 184+00.00 TO STA. 204+00.00			CONTRACT NO. 60T23	
	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 10/1/2016											



LEGEND

- ① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH @ 30' SKIP & 10' DASH, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE LINE @ 11" C-C, YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" EDGE LINE, WHITE (TYP.)
- ④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" TURN LANE, WHITE (TYP.)
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- ⑬ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" CROSSWALK LINES SPACED @ 6' C-C, WHITE (TYP.)

**PROJECT LIMIT
STA. 16 + 22.5**

RADDANT RD.

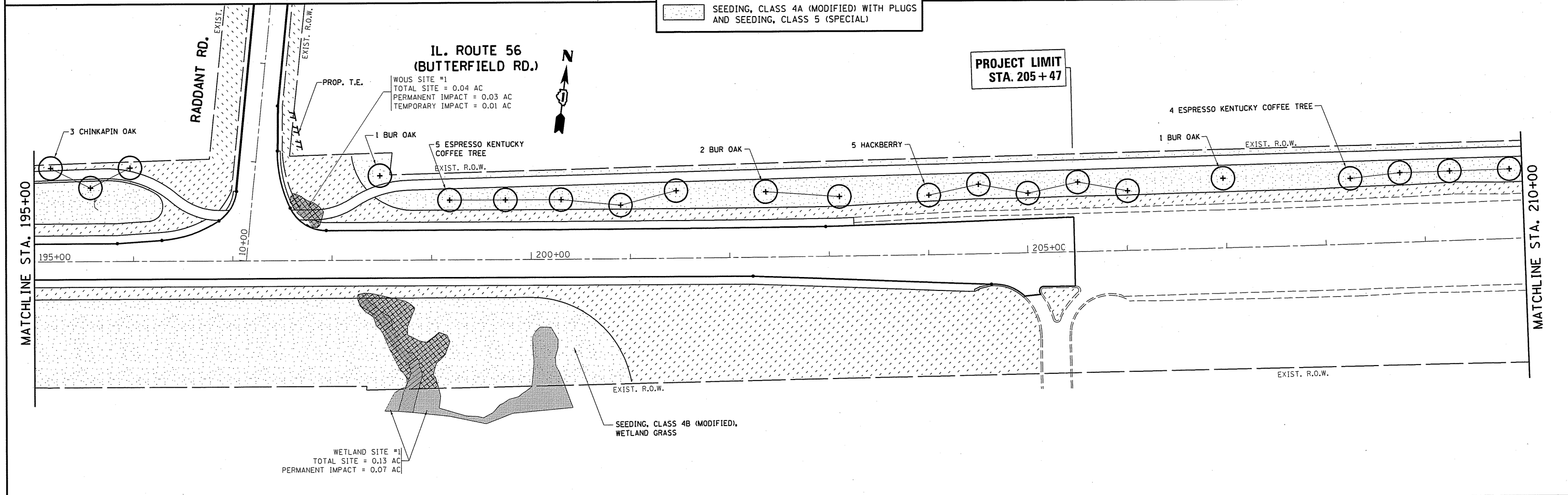
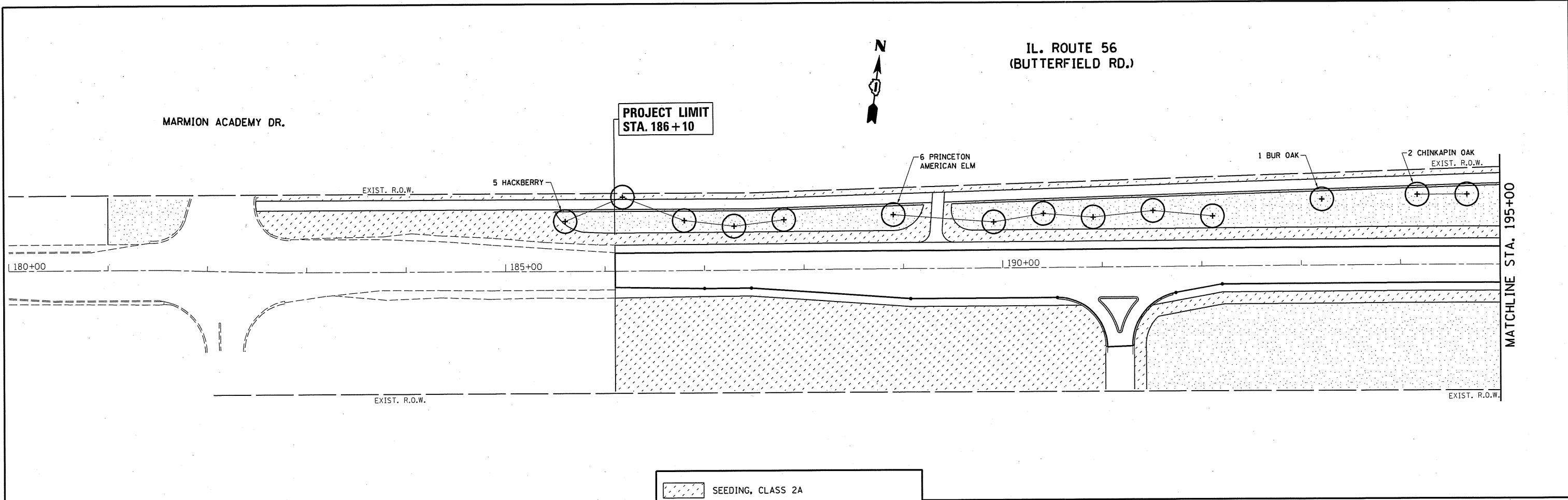
**IL. ROUTE 56
(BUTTERFIELD RD.)**

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
IL. ROUTE 56 AT RADDANT ROAD**
SCALE: 1"=50' SHEET OF SHEETS STA. 10+00.00 TO STA. 16+88.10

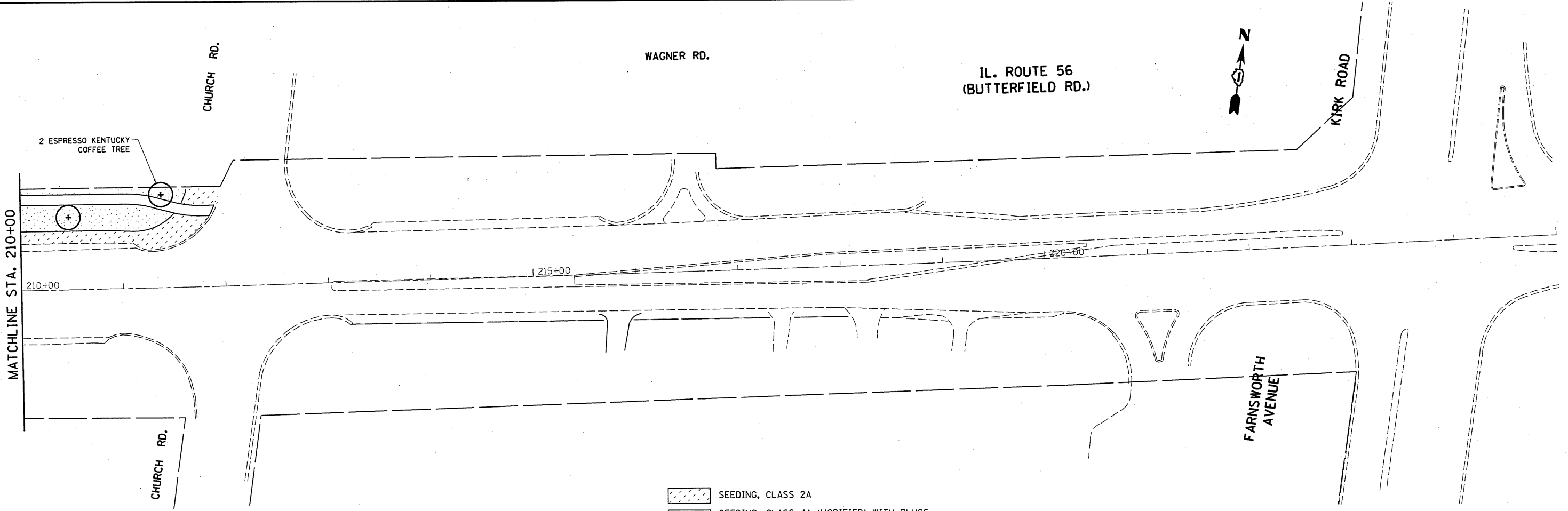
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	46
				CONTRACT NO. 60T23
ILLINOIS FED. AID PROJECT				

FILE NAME =	USER NAME = bauerdl	DESIGNED -	REVISED -
PROJECT DATA =	PROJECT DATA =	CHECKED -	REVISED -
PLOT SCALE = 100.0000' / in.	PLOT DATE = 10/1/2016	DATE -	REVISED -



FILE NAME =	USER NAME = bauerd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPING PLAN IL. ROUTE 56 AT RADDANT ROAD			F.A.P. RTE. 365	SECTION 60N-3	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 47
Default	Documents\DOT Offices\District 1\Projects\P145309\GAD\Sheets\P145309-shr-landscap	CHECKED -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 184+00.00	TO STA. 210+00.00	ILLINOIS FED. AID PROJECT	
	PLOT SCALE = 100,0000' / in.	DATE -	REVISED -		CONTRACT NO. 60T23							
	PLOT DATE = 10/4/2016											

MATCHLINE STA. 210+00



- SEEDING, CLASS 2A
- SEEDING, CLASS 4A (MODIFIED) WITH PLUGS AND SEEDING, CLASS 5 (SPECIAL)

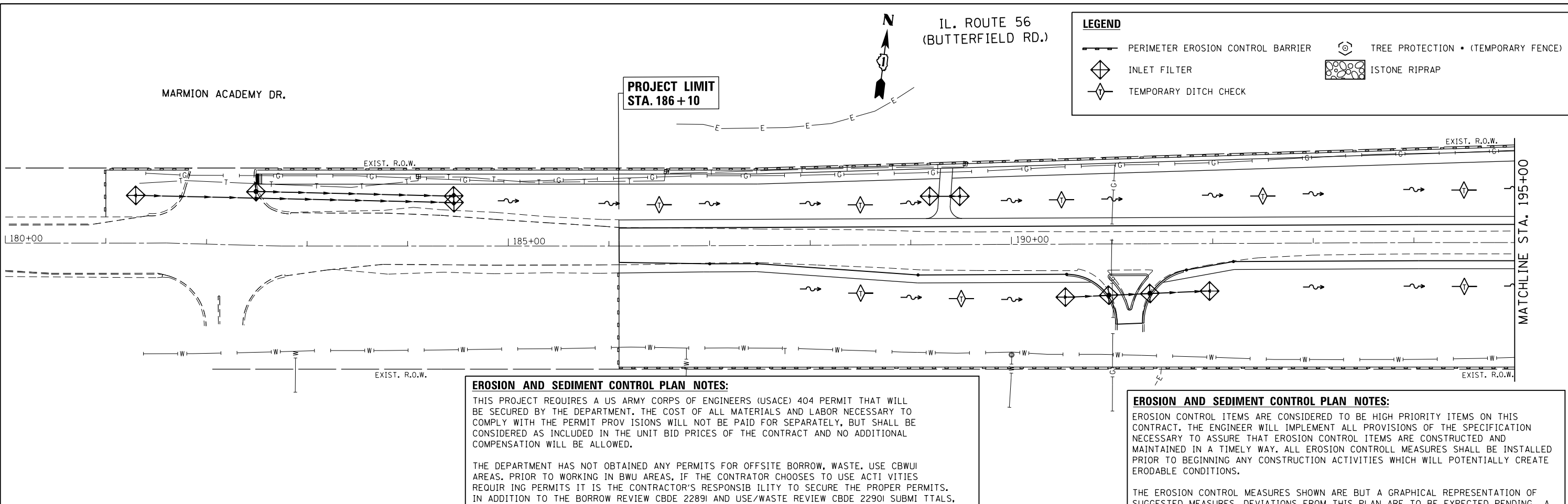
IL. ROUTE 56 AT RADDANT ROAD (PERENNIAL PLANTS)

SCIENTIFIC NAME	COMMON NAME	SIZE	TOTAL	PLANTING DEPTH @ NORMAL WATER LEVEL (NWL)
PERENNIAL PLANTS, PRAIRIE TYPE, 2" DIAMETER BY 4" DEEP PLUG				
BOUPELLOUA CURTIPENDULA	SIDE-OATS GRAMA	PLUG	0.32	N/A
ERAGROSTIS SPECTABILIS	PURPLE LOVEGRASS	PLUG	0.64	N/A
SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	PLUG	1.28	N/A
SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	PLUG	1.28	N/A
TOTAL UNITS:			3.52	
PERENNIAL PLANTS, SEDGE MEADOW TYPE, 2" DIAMETER BY 4" DEEP PLUG				
CALAMAGROSTIS CANADENSIS	BLUE JOINT GRASS	PLUG	0.64	0" (@ NWL)
CAREX CRISTATELLA	CRESTED OVAL SEDGE	PLUG	0.64	0" (@ NWL)
CAREX VULPINOIDEA	BROWN FOX SEDGE	PLUG	0.64	0" (@ NWL)
JUNCUS TORREYI	TORREY'S RUSH	PLUG	0.64	0" (@ NWL)
TOTAL UNITS:			2.56	

LANDSCAPING PLAN NOTES:

THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4A (MODIFIED), 4B (MODIFIED), AND 5 (SPECIAL) SHALL BE FROM NOVEMBER 15 TO MARCH 15. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPEACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.

THE ENGINEER WILL CONTACT FABIOLA QUIROZ OF THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4596, AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT OF THE TREES AND PLUGS.



EROSION AND SEDIMENT CONTROL PLAN NOTES:

THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE PERMIT PROVISIONS 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.

THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE CBWUI AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRATOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW CBDE 22891 AND USE/WASTE REVIEW CBDE 22901 SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL CESC 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. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS 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.

ESC INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) DAYS AND WITHIN TWENTY-FOUR (24) HOURS OR BY THE END OF THE FOLLOWING BUSINESS OR WORK DAY FOLLOWING A HALF (0.5) INCH OR GREATER RAINFALL EVENT OR EQUIVALENT SNOWFALL.

WETLAND EXCLUSION FENCING SHOULD BE SHOWN AND "WETLANDS NO INTRUSION" SIGNAGE SHOULD ALSO BE PROVIDED AT THE BOUNDARY OF ALL UN-IMPACTED WETLANDS AND/OR WOUS WITHIN THE PROJECT LIMITS.

EROSION AND SEDIMENT CONTROL PLAN NOTES:

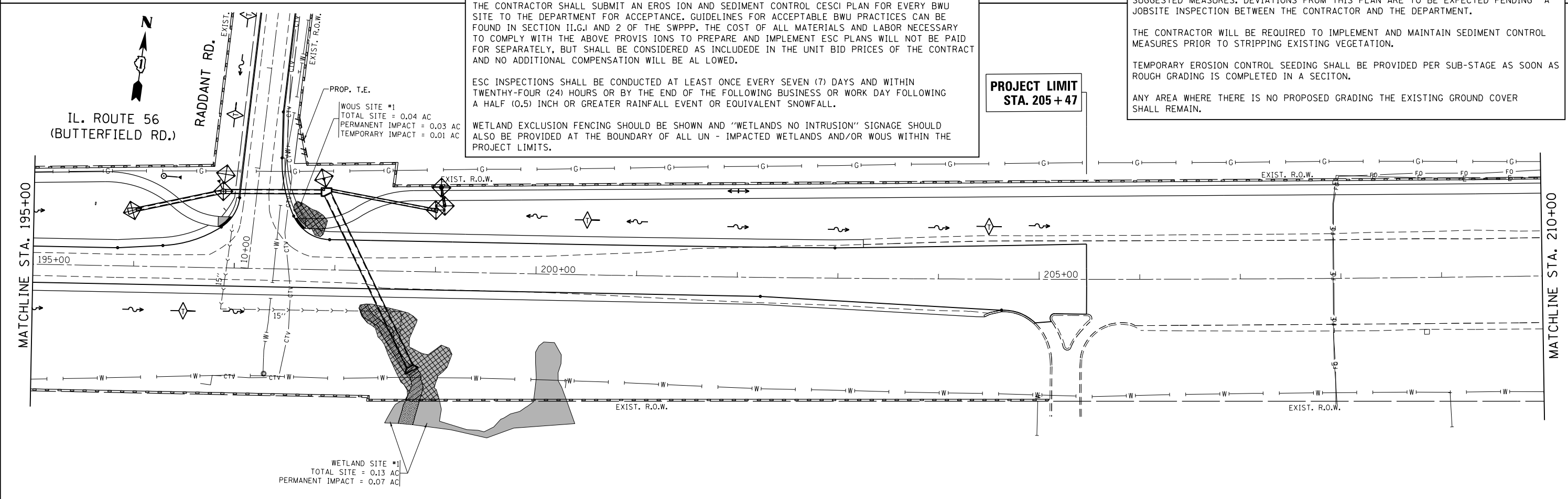
EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.

THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.

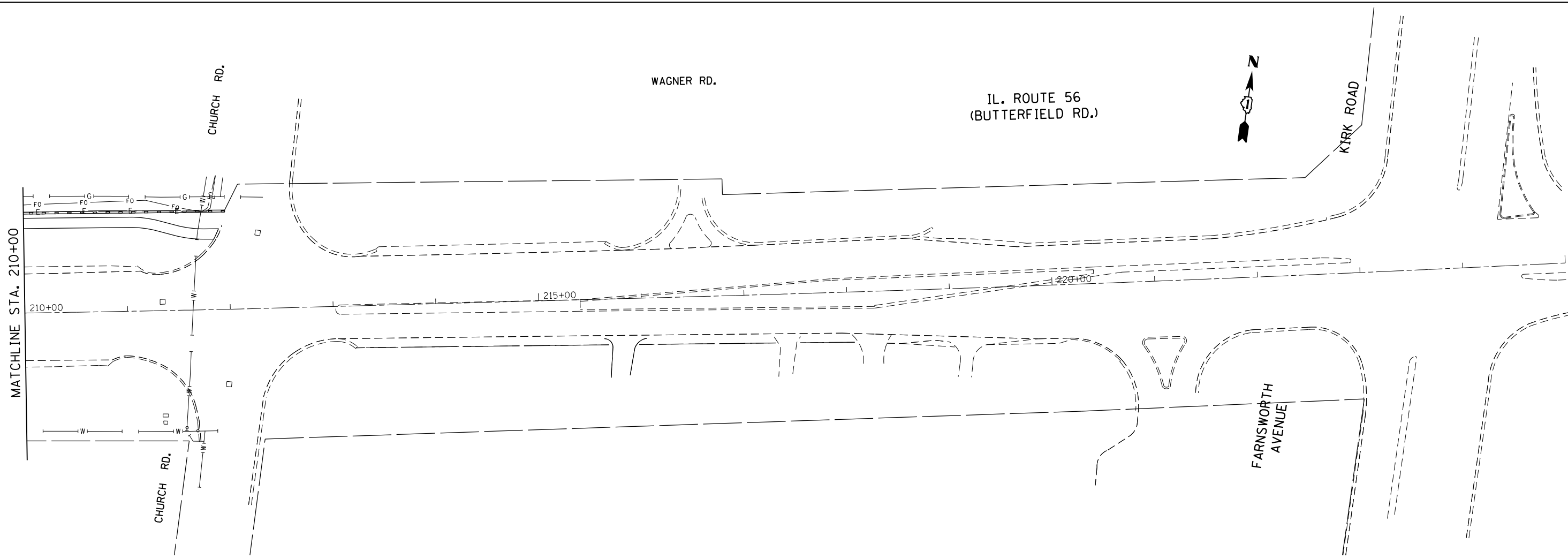
THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.

TEMPORARY EROSION CONTROL SEEDING SHALL BE PROVIDED PER SUB-STAGE AS SOON AS ROUGH GRADING IS COMPLETED IN A SECTION.

ANY AREA WHERE THERE IS NO PROPOSED GRADING THE EXISTING GROUND COVER SHALL REMAIN.



FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN IL. ROUTE 56 AT RADDANT ROAD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\P145309\GAD\Sheets\P145309-shr-eros.dgn		CHECKED -	REVISED -		365	60N-3	KANE	93	50			
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 60T23							
	PLOT DATE = 2/17/2016				ILLINOIS FED. AID PROJECT							



EROSION AND SEDIMENT CONTROL PLAN NOTES:

THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE PERMIT PROVISIONS 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.

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ESC INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) DAYS AND WITHIN TWENTY-FOUR (24) HOURS OR BY THE END OF THE FOLLOWING BUSINESS OR WORK DAY FOLLOWING A HALF (0.5) INCH OR GREATER RAINFALL EVENT OR EQUIVALENT SNOWFALL.

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THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.

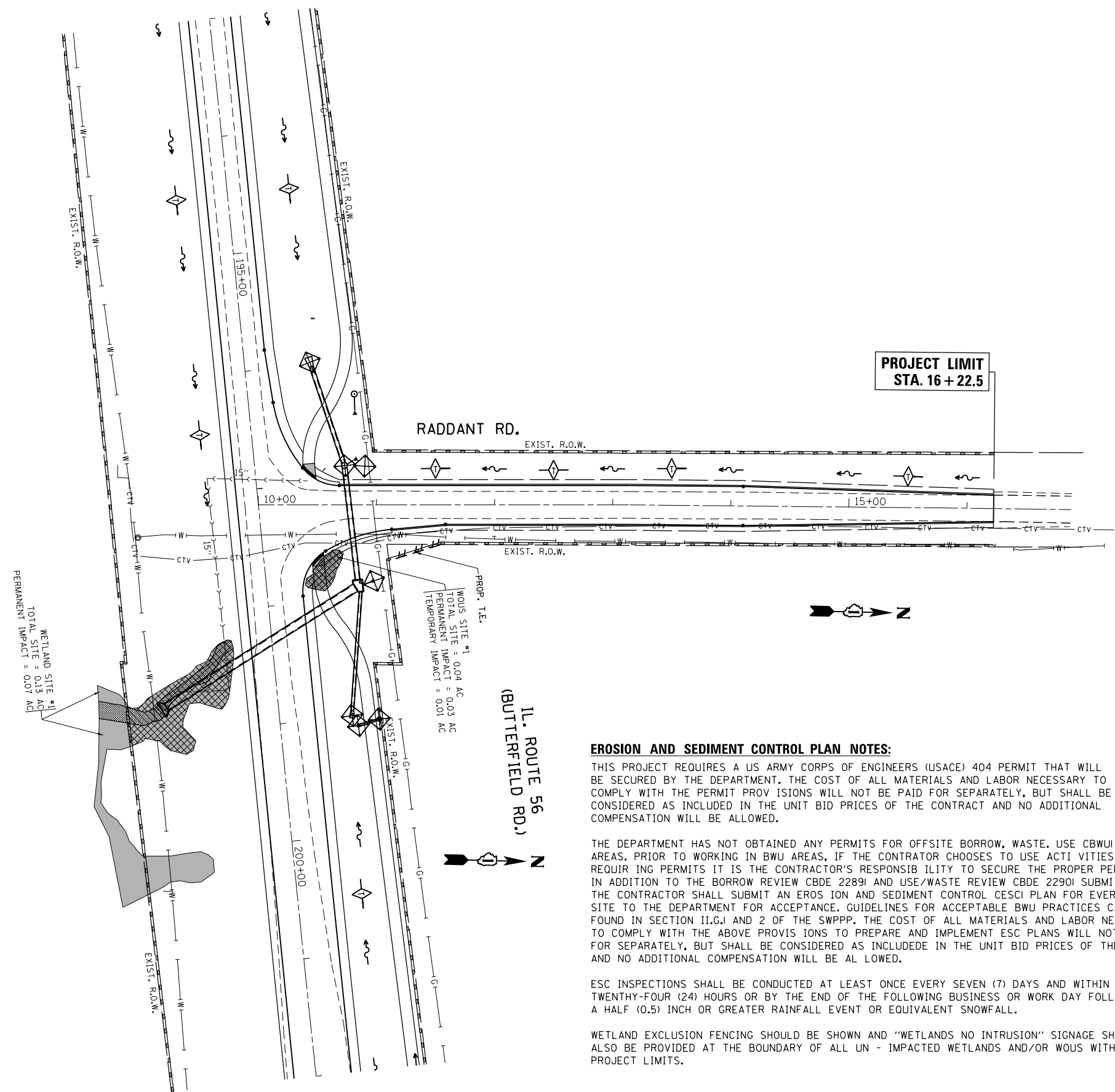
TEMPORARY EROSION CONTROL SEEDING SHALL BE PROVIDED PER SUB-STAGE AS SOON AS ROUGH GRADING IS COMPLETED IN A SECTION.

ANY AREA WHERE THERE IS NO PROPOSED GRADING THE EXISTING GROUND COVER SHALL REMAIN.

LEGEND

- PERIMETER EROSION CONTROL BARRIER
- INLET FILTER
- TEMPORARY DITCH CHECK
- TREE PROTECTION • (TEMPORARY FENCE)
- STONE RIPRAP

FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN IL. ROUTE 56 AT RADDANT ROAD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\ill084EBIDINTEG\illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\P14530\Drawings\CADsheets\P145309-shr-eros.dgn		DRAWN -	REVISED -		365	60N-3	KANE	93	51			
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 60T23							
	PLOT DATE = 2/17/2016	DATE -	REVISED -		SCALE: 1"=50'	SHEET OF SHEETS	STA. 210+00.00 TO STA. 225+00.00	ILLINOIS FED. AID PROJECT				



LEGEND	
	PERIMETER EROSION CONTROL BARRIER
	INLET FILTER
	TEMPORARY DITCH CHECK
	TREE PROTECTION • (TEMPORARY FENCE)
	STONE RIPRAP

PROJECT LIMIT
STA. 16+22.5

RADDANT RD.

IL. ROUTE 56
(BUTTERFIELD RD.)

EROSION AND SEDIMENT CONTROL PLAN NOTES:

THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE PERMIT PROVISIONS 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.

THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE CBWUI AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRATOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRATOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW CBDE 22891 AND USE/WASTE REVIEW CBDE 22901 SUBMITTALS, THE CONTRATOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL CESC 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. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS 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.

ESC INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) DAYS AND WITHIN TWENTY-FOUR (24) HOURS OR BY THE END OF THE FOLLOWING BUSINESS OR WORK DAY FOLLOWING A HALF (0.5) INCH OR GREATER RAINFALL EVENT OR EQUIVALENT SNOWFALL.

WETLAND EXCLUSION FENCING SHOULD BE SHOWN AND "WETLANDS NO INTRUSION" SIGNAGE SHOULD ALSO BE PROVIDED AT THE BOUNDARY OF ALL UN-IMPACTED WETLANDS AND/OR WOUS WITHIN THE PROJECT LIMITS.

EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.

THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRATOR AND THE DEPARTMENT.

THE CONTRATOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.

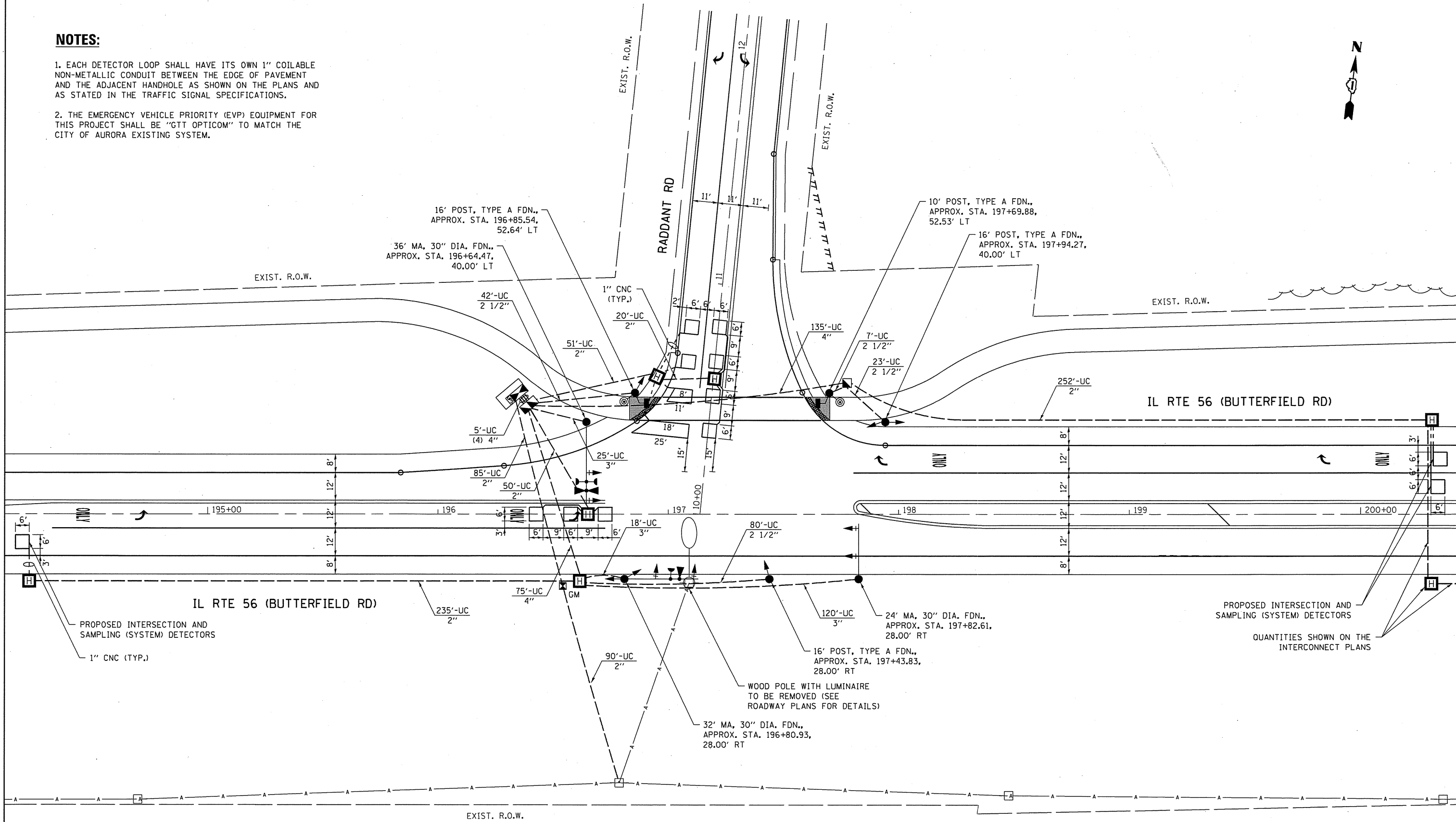
TEMPORARY EROSION CONTROL SEEDING SHALL BE PROVIDED PER SUB-STAGE AS SOON AS ROUGH GRADING IS COMPLETED IN A SECTION.

ANY AREA WHERE THERE IS NO PROPOSED GRADING THE EXISTING GROUND COVER SHALL REMAIN.

FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN IL. ROUTE 56 AT RADDANT ROAD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			365	60N-3	KANE	93	52	
	PLOT DATE = 2/17/2016	DATE -	REVISED -			CONTRACT NO. 60T23					
						SCALE: 1"=50'	SHEET OF SHEETS	STA. 10+00.00	TO STA. 16+88.10	ILLINOIS FED. AID PROJECT	

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. THE EMERGENCY VEHICLE PRIORITY (EVP) EQUIPMENT FOR THIS PROJECT SHALL BE "GTT OPTICOM" TO MATCH THE CITY OF AURORA EXISTING SYSTEM.



TS SHT NO. 8

**TS 11488
EAGLE 16H**

FILE NAME =	USER NAME = pociechal	DESIGNED - LP	REVISED - LP 01/14/15
PROJECT PATH = \\IL084EBID\INTEG\Illinois.gov\PMIDOT\Documents\IDOT Offices\District 1\Projects\P14530\TRAFFIC\Notes\Traffic\145309-sht-ts.dgn		CHECKED - DD	REVISED - LP 08/10/16
Default	PLOT SCALE = 40.0000' / in.	DATE - 10/17/14	REVISED -
	PLOT DATE = 8/18/2016		

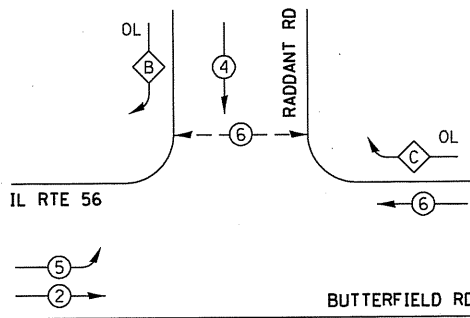
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION
IL RTE 56 AT RADDANT RD**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	53
				CONTRACT NO. 60T23
ILLINOIS FED. AID PROJECT				

CONTROLLER SEQUENCE



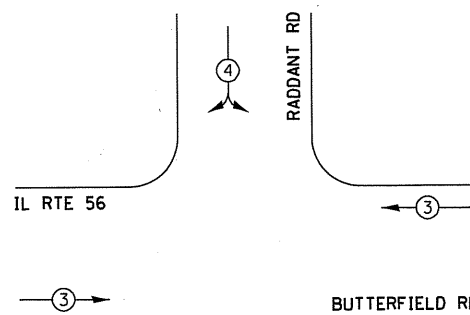
RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
C	= 6	+ 4

LEGEND

- ⊙ DUAL ENTRY PHASE
- ⊙ SINGLE ENTRY PHASE
- ⊙ OL OVERLAP
- ⊙ PEDESTRAIN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE



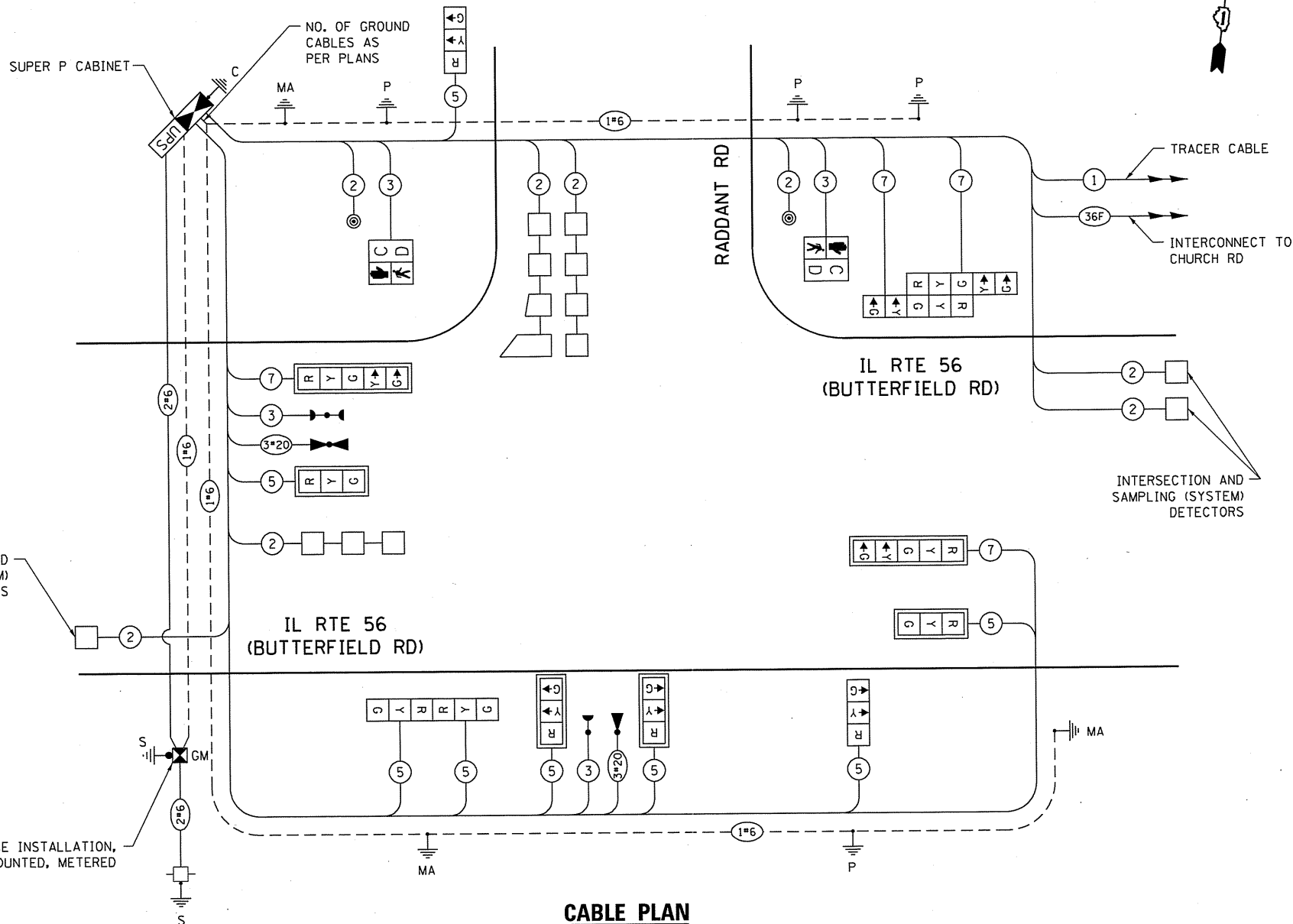
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				315.8

ENERGY COSTS TO:
 CITY OF AURORA
 44 E. DOWNER PLACE
 AURORA, IL 60505
 ENERGY SUPPLY: CONTACT: THOMAS PERKINS
 PHONE: (630) 723-2127
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: 1334009005

NOTES:

- THE EMERGENCY VEHICLE PRIORITY (EVP) EQUIPMENT FOR THIS PROJECT SHALL BE "GTT OPTICOM" TO MATCH THE CITY OF AURORA EXISTING SYSTEM.



CABLE PLAN

TS SHT NO. 9

FILE NAME =	USER NAME = paciechel	DESIGNED - LP	REVISED - LP 01/14/15
PROJECT =	PROJECT =	CHECKED - DD	REVISED - LP 08/10/16
PLOT SCALE = 40,000' / in.	PLOT DATE = 8/10/2016	DATE - 10/17/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

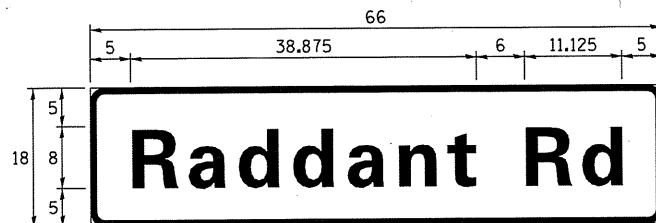
CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE IL RTE 56 AND RADDANT RD

SCALE: NTS SHEET OF SHEETS STA. TO STA.

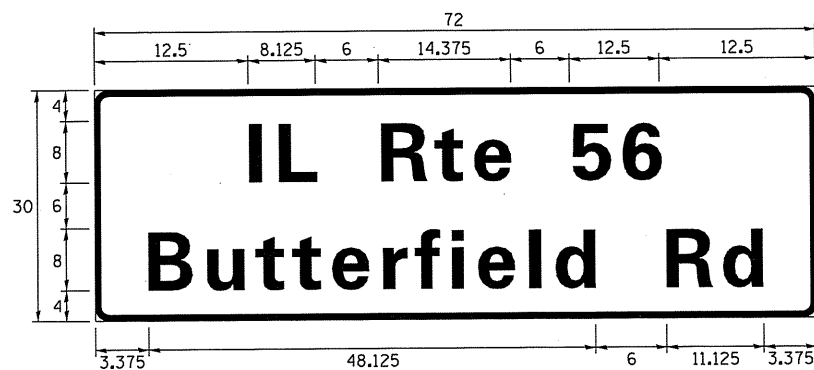
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	54
CONTRACT NO. 60T23				
ILLINOIS FED. AID PROJECT				

TS 11488
 EAGLE 16H

SIGN PANEL - TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	8.25	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	15.00	2	ZZ	1

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SO FT	16.5
SIGN PANEL - TYPE 2	SO FT	15
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	783
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	152
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	163
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	230
HANDHOLE	EACH	1
HEAVY-DUTY HANDHOLE	EACH	6
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	258
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	546
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,277
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	776
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,458
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	206
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	910
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	37
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	6
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	470
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
* PEDESTRIAN PUSH-BUTTON	EACH	2
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	274
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

* 100% COST TO THE CITY OF AURORA

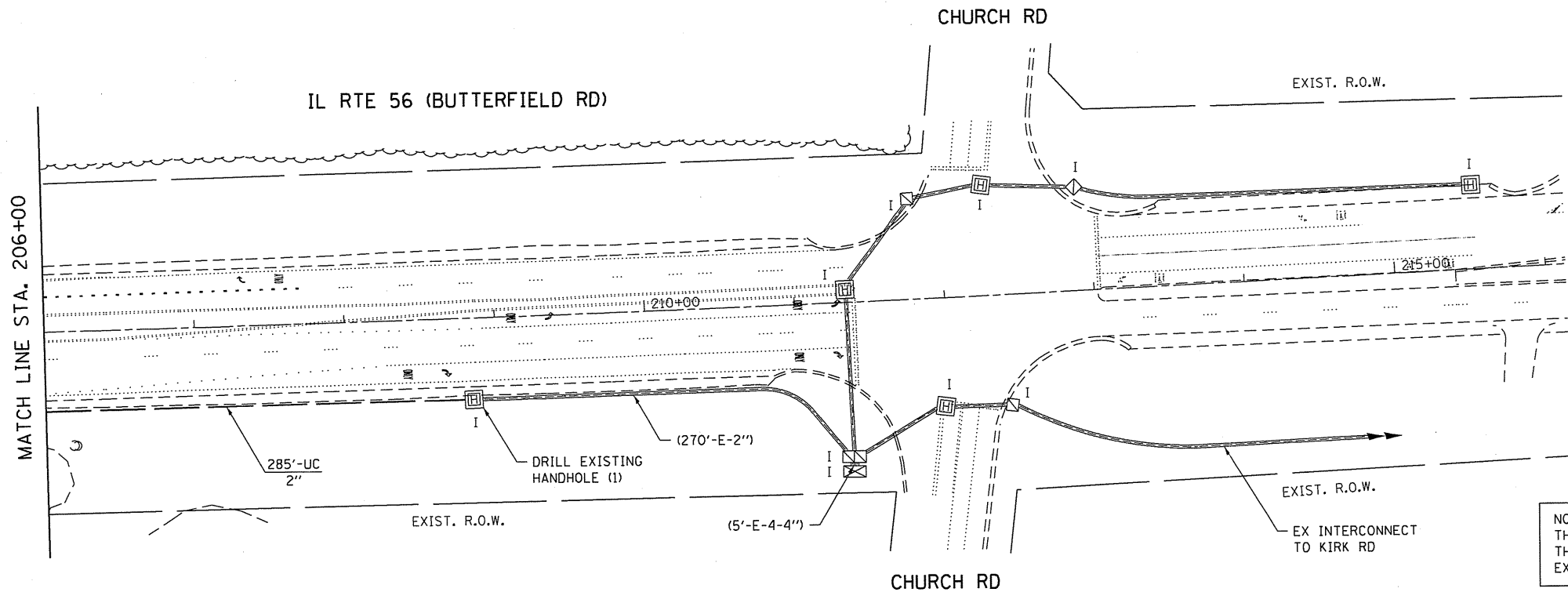
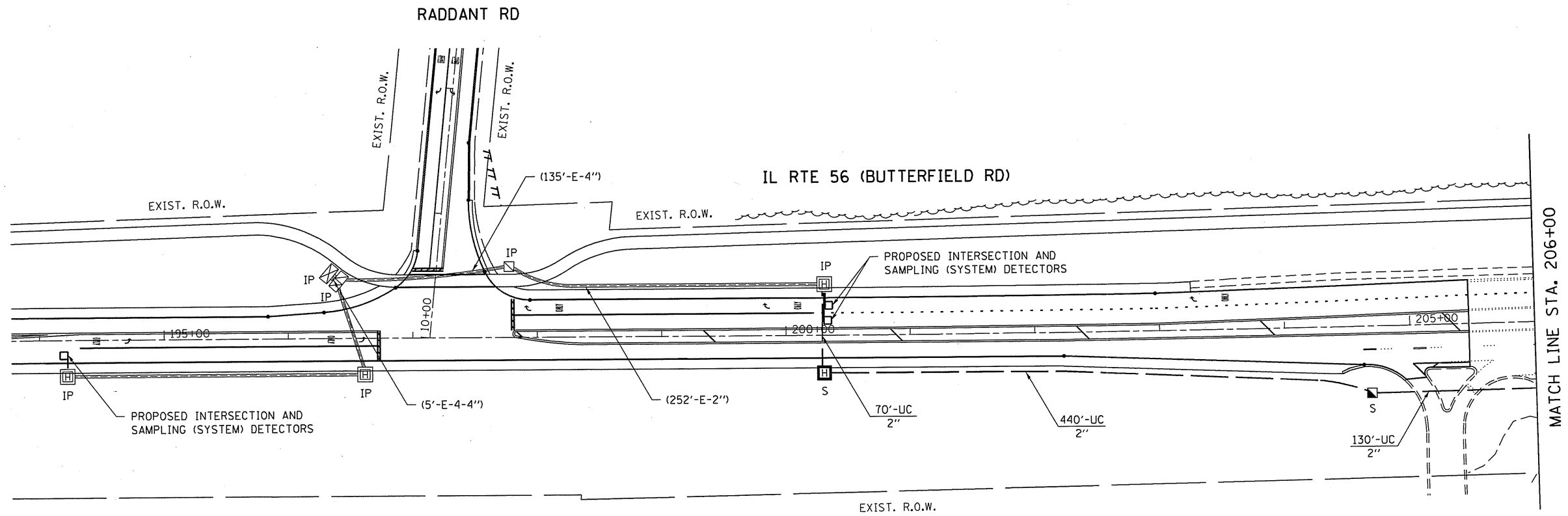
NOTES:

1. THE EMERGENCY VEHICLE PRIORITY (EVP) EQUIPMENT FOR THIS PROJECT SHALL BE "GTT OPTICOM" TO MATCH THE CITY OF AURORA EXISTING SYSTEM.

TS SHT NO. 10

TS 11488
EAGLE 16H

FILE NAME =	USER NAME = pootechal	DESIGNED - LP	REVISED - LP 01/14/15	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES IL RTE 56 AND RADDANT RD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT DATE = 8/18/2016	CHECKED - DD	REVISED - LP 08/10/16			365	60N-3	KANE	93	55	
		DATE - 10/17/14				SCALE: NTS		SHEET OF SHEETS STA.		TO STA.	
						ILLINOIS FED. AID PROJECT CONTRACT NO. 60T23					



NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS SHT NO. 11

FILE NAME =
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Default

USER NAME = poc\techel
5309-shr-ts.dgn
PLOT SCALE = 100.0000' / in.
PLOT DATE = 10/17/2014

DESIGNED - LP
DRAWN - LP
CHECKED - DD
DATE - 10/17/14

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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

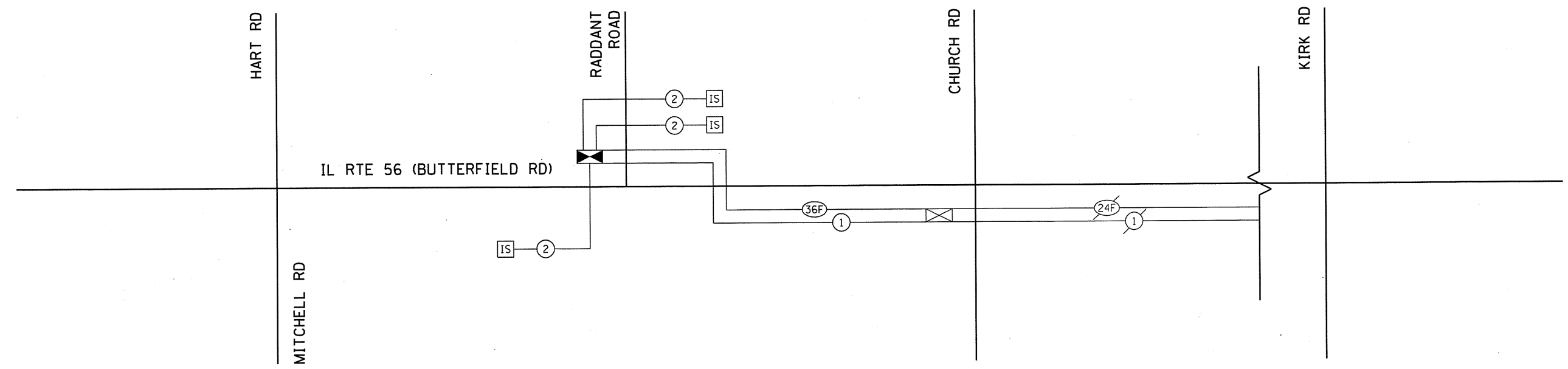
INTERCONNECT PLAN
IL RTE 56 (RADDANT RD TO CHURCH RD)
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	56
CONTRACT NO. 60T23				
ILLINOIS FED. AID PROJECT				

EAGLE 16H



SEE THE NEXT SHEET FOR THE
REST OF THE SYSTEM →



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	925
HANDHOLE	EACH	1
HEAVY-DUTY HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCIEVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,600
DRILL EXISTING HANDHOLE	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1,660
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

EAGLE 16H

TS SHT NO. 12

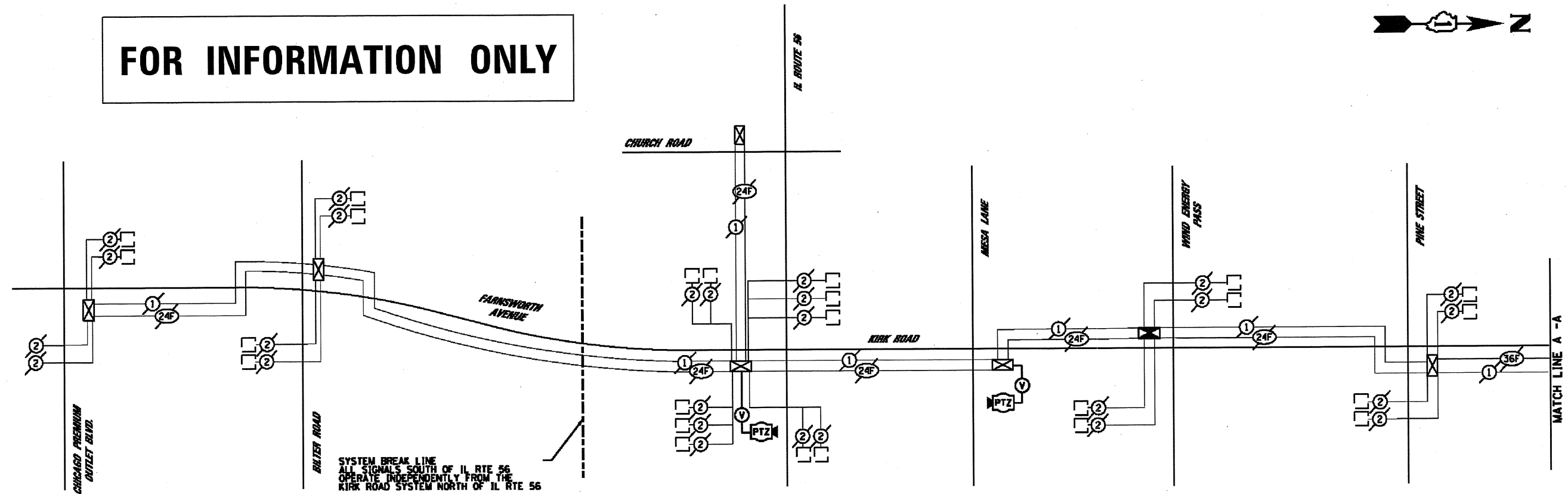
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	PLOT SCALE = 100.0000' / in.	CHECKED - DD	REVISED -
Default	PLOT DATE = 10/17/2014	DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERCONNECT SCHEMATIC			
SCALE: NONE	SHEET	OF	SHEETS
STA.	TO STA.		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	57
CONTRACT NO. 60T23			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY



SEE SHEET 64 FOR TRAFFIC SIGNAL LEGEND

SCHEDULE OF QUANTITIES - INTERCONNECT

PAY ITEM	UNIT	KIRK	DUNHAM	IL 38
CONDUIT IN TRENCH, 2" GALVANIZED STEEL	FOOT	4915	11474	
CONDUIT PUSHED, 2" GALVANIZED STEEL	FOOT	261	942	
CLEAN EXISTING CONDUIT	FOOT	3295		2219
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT		275	
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 8"	EACH		2	
HANDHOLE	EACH	8	25	
DOUBLE HANDHOLE	EACH	1		
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	4915	11474	
DRILL EXISTING HANDHOLE	EACH	3	2	3
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C	FOOT	8992	13306	2343
REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT			3026
FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT	10777	14967	3064
NETWORK CONFIGURATION	L SUM	.34	.33	.33
FIBER OPTIC TERMINATIONS, 6 FIBER	EACH	14	2	1
FIBER OPTIC TERMINATIONS, 48 FIBER	EACH	6	1	1

ETHERNET MANAGED SWITCH TYPE 1 AND TYPE 2 ARE ITEMIZED PER EACH INTERSECTION

KIRK ROAD			DUNHAM ROAD			DUNHAM ROAD		
STATION/OFFSET	DESCRIPTION		STATION/OFFSET	DESCRIPTION		STATION/OFFSET	DESCRIPTION	
M1 544+45 / 30' RT	STANDARD HANDHOLE		M10 593+00 / 25' RT	STANDARD HANDHOLE		M23 662+50 / 25' RT	STANDARD HANDHOLE	
M2 549+70 / 30' RT	STANDARD HANDHOLE		M11 599+15 / 25' RT	STANDARD HANDHOLE		M24 668+75 / 25' RT	STANDARD HANDHOLE	
M3 555+05 / 30' RT	STANDARD HANDHOLE		M12 604+95 / 25' RT	STANDARD HANDHOLE		M25 673+35 / 25' RT	STANDARD HANDHOLE	
M4 555+95 / 30' RT	STANDARD HANDHOLE		M13 609+80 / 25' RT	STANDARD HANDHOLE		M26 679+95 / 25' RT	STANDARD HANDHOLE	
M5 566+90 / 30' RT	STANDARD HANDHOLE		M14 618+95 / 25' RT	STANDARD HANDHOLE		M27 684+30 / 25' RT	STANDARD HANDHOLE	
M6 572+50 / 30' RT	STANDARD HANDHOLE		M15 623+80 / 25' RT	STANDARD HANDHOLE		M28 408+35 / 25' RT	STANDARD HANDHOLE	
M7 578+15 / 30' RT	STANDARD HANDHOLE		M16 628+70 / 25' RT	STANDARD HANDHOLE		M29 251+80 / 25' RT	STANDARD HANDHOLE	
M8 583+90 / 30' RT	STANDARD HANDHOLE		M17 633+90 / 25' RT	STANDARD HANDHOLE		M30 254+70 / 25' RT	STANDARD HANDHOLE	
M9 588+70 / 70' RT	DOUBLE HANDHOLE		M18 638+90 / 25' RT	STANDARD HANDHOLE		M31 259+20 / 30' RT	STANDARD HANDHOLE	
			M19 644+85 / 25' RT	STANDARD HANDHOLE		M32 259+20 / 30' LT	STANDARD HANDHOLE	
			M20 649+90 / 25' RT	STANDARD HANDHOLE		M33 264+00 / 30' LT	STANDARD HANDHOLE	
			M21 651+30 / 25' RT	STANDARD HANDHOLE		M34 264+25 / 30' LT	STANDARD HANDHOLE	
			M22 657+00 / 25' RT	STANDARD HANDHOLE				

NOTE:
OFFSETS ARE APPROXIMATED BASED ON FIELD OBSERVATIONS OF EXISTING UTILITIES. ACTUAL LOCATIONS TO BE SET IN FIELD WITH THE ENGINEER.

JACOBS
ONE NORTH FRANKLIN
CHICAGO IL, 60606
312-251-3000

USER NAME =	DESIGNED - M.J. JS CH	REVISED -
PLOT SCALE =	DRAWN - MP MO, DI	REVISED -
PLOT DATE = 11/4/2011	CHECKED - CH KG	REVISED -
	DATE - *DATE	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

INTERCONNECT SCHEMATIC

SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. TO STA.	F.A.P. RTE. 360	SECTION 10-00403-00-TL	COUNTY KANE	TOTAL SHEETS 72	SHEET NO. 55
						CONTRACT NO. 63648	
						ILLINOIS FED. AID PROJECT	

EAGLE 16H

TS SHT NO. 13

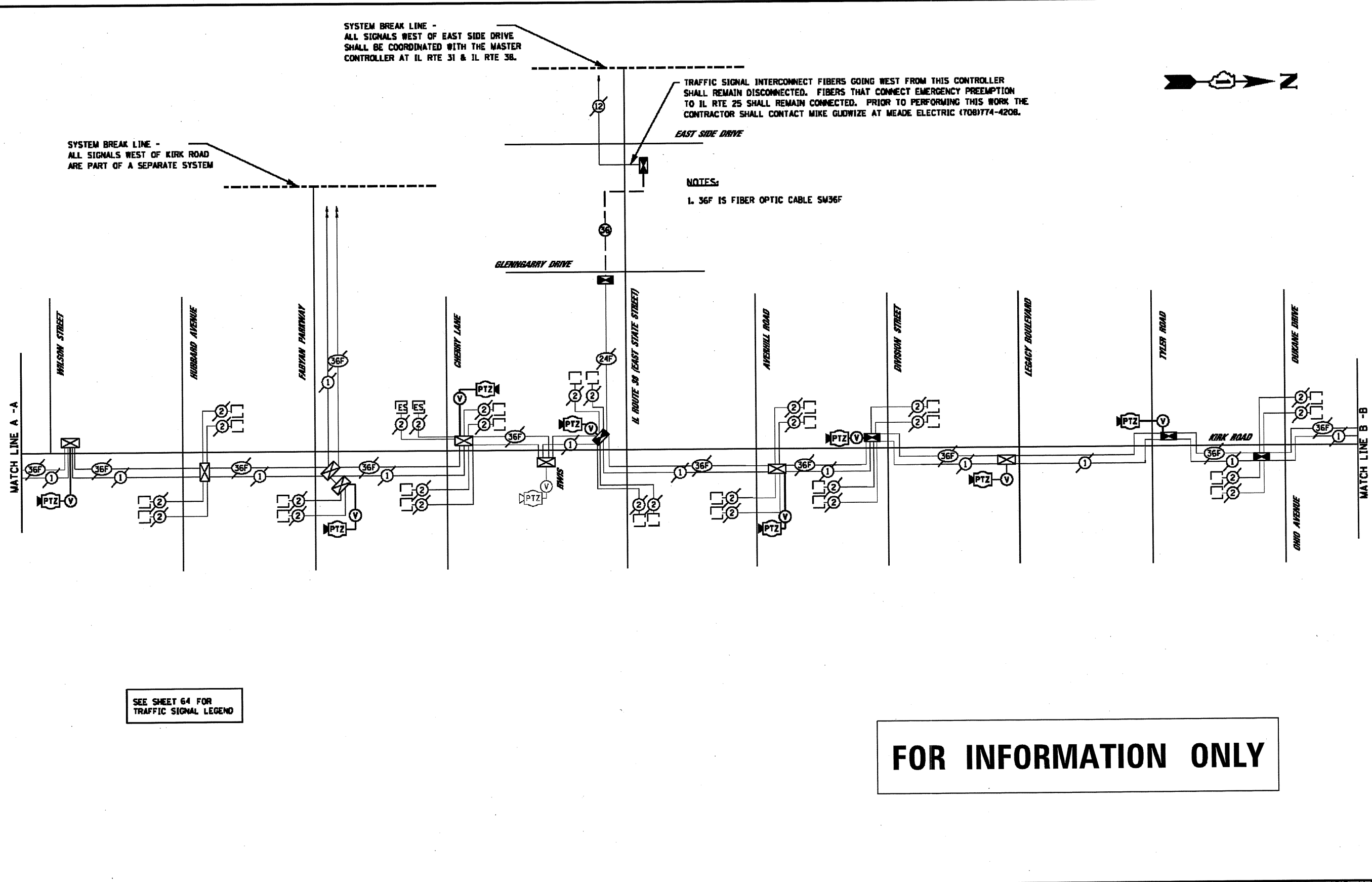
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Default	PLOT SCALE = 100.0000' / in.	CHECKED - DD	REVISED -
	PLOT DATE = 10/17/2014	DATE - 10/17/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC

SCALE: NONE	SHEET OF SHEETS	STA. TO STA.	F.A.P. RTE. 365	SECTION 60N-3	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 58
						CONTRACT NO. 60T23	
						ILLINOIS FED. AID PROJECT	

11/4/2011



SYSTEM BREAK LINE - ALL SIGNALS WEST OF KIRK ROAD ARE PART OF A SEPARATE SYSTEM

SYSTEM BREAK LINE - ALL SIGNALS WEST OF EAST SIDE DRIVE SHALL BE COORDINATED WITH THE MASTER CONTROLLER AT IL RTE 31 & IL RTE 38.

TRAFFIC SIGNAL INTERCONNECT FIBERS GOING WEST FROM THIS CONTROLLER SHALL REMAIN DISCONNECTED. FIBERS THAT CONNECT EMERGENCY PREEMPTION TO IL RTE 25 SHALL REMAIN CONNECTED. PRIOR TO PERFORMING THIS WORK THE CONTRACTOR SHALL CONTACT MIKE GUDWIZE AT MEADE ELECTRIC (708)774-4208.

NOTES:
1. 36F IS FIBER OPTIC CABLE SM36F

SEE SHEET 64 FOR TRAFFIC SIGNAL LEGEND

FOR INFORMATION ONLY

PA: 2011\CA\67891788 CAD & GIS Files\782 Drawings\124 INTERCONNECT SCHEM 12.dgn

JACOBS
ONE NORTH FRANKLIN
CHICAGO IL, 60606
312-251-3000

USER NAME =	DESIGNED - CH	REVISED -
	DRAWN - MO, DI	REVISED -
PLOT SCALE =	CHECKED - KG	REVISED -
PLOT DATE = 11/4/2011	DATE - #DATE	REVISED -

**KANE COUNTY
DIVISION OF TRANSPORTATION**

INTERCONNECT SCHEMATIC

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	10-00403-00-TL	KANE	72	56
CONTRACT NO. 63648				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

EAGLE 16H

TS SHT NO. 14

FILE NAME =
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Default

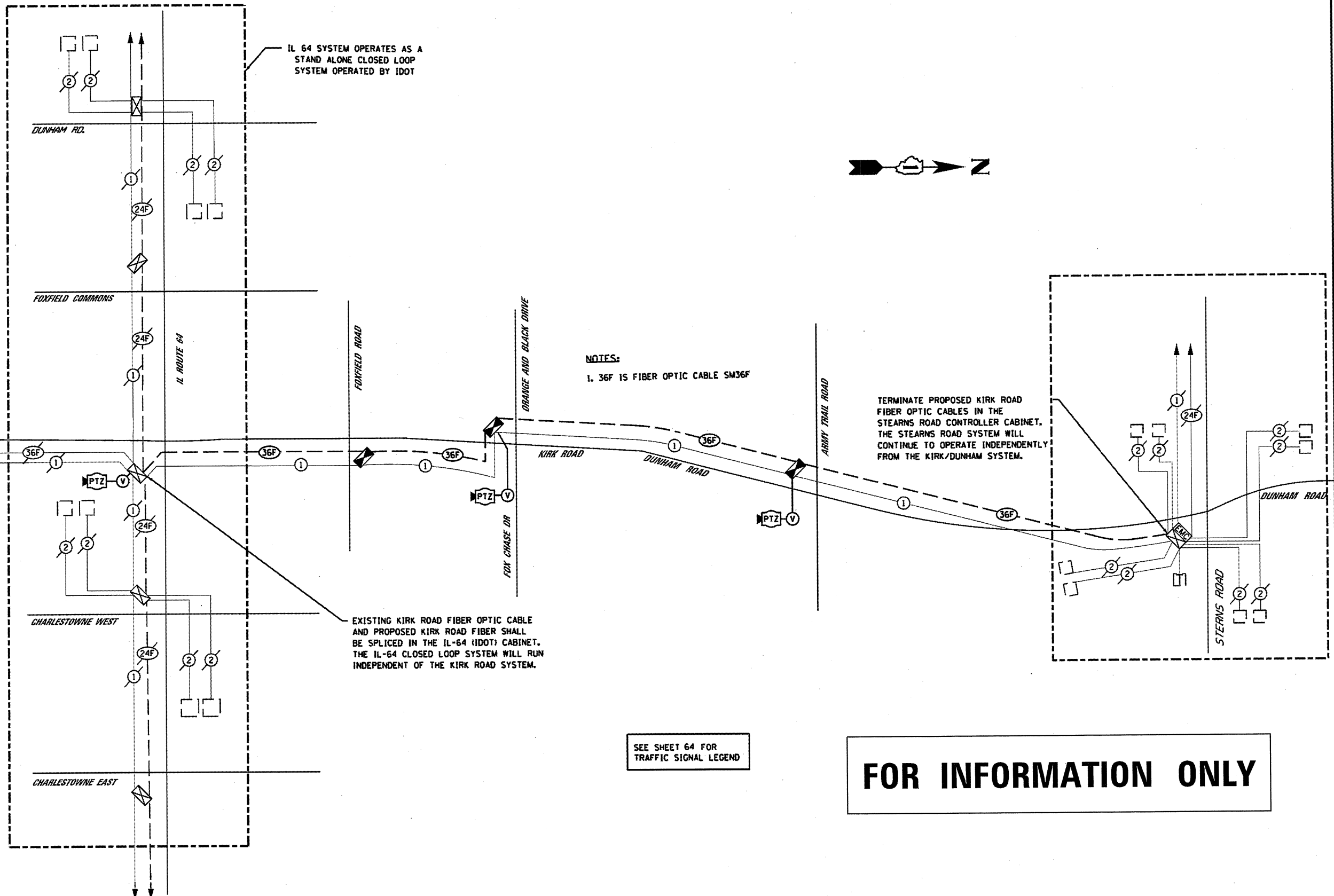
USER NAME = pocicheel	DESIGNED - LP	REVISED -
	DRAWN - LP	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DD	REVISED -
PLOT DATE = 10/17/2014	DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERCONNECT SCHEMATIC

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	59
CONTRACT NO. 60T23				
ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET OF SHEETS STA. TO STA.



SEE SHEET 64 FOR TRAFFIC SIGNAL LEGEND

FOR INFORMATION ONLY

JACOBS
ONE NORTH FRANKLIN
CHICAGO IL, 60606
312-251-3000

USER NAME =	DESIGNED - CH	REVISD -
PLDT SCALE =	DRAWN - MO, DI	REVISD -
PLDT DATE = 10/24/2011	CHECKED - KG	REVISD -
	DATE - #DATE	REVISD -

**KANE COUNTY
DIVISION OF TRANSPORTATION**

INTERCONNECT SCHEMATIC

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	10-00403-00-TL	KANE	72	57
CONTRACT NO. 63648				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

FILE NAME =
c:\pv_work\pwidot\poosichel\0329977\PI

USER NAME = poosichel	DESIGNED - LP	REVISD -
5389-shc-ts.dgn	DRAWN - LP	REVISD -
PLDT SCALE = 100.0000 / in.	CHECKED - DD	REVISD -
PLDT DATE = 10/17/2014	DATE - 10/17/14	REVISD -

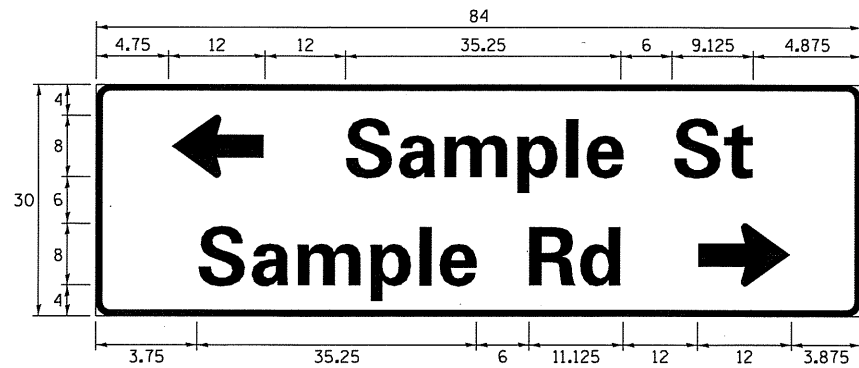
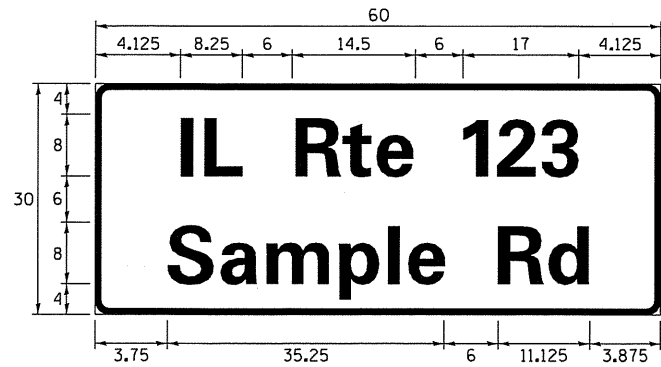
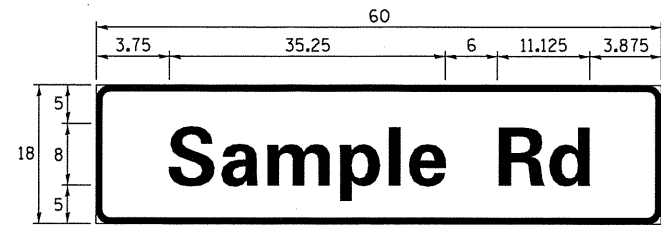
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERCONNECT SCHEMATIC

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	60
CONTRACT NO. 60T23				
ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET OF SHEETS STA. TO STA.

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THERE IS SPACE AVAILABLE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA

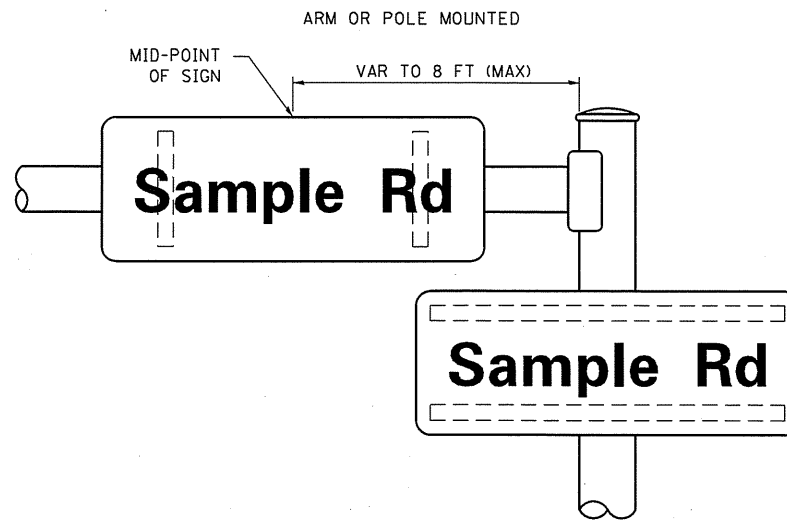
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

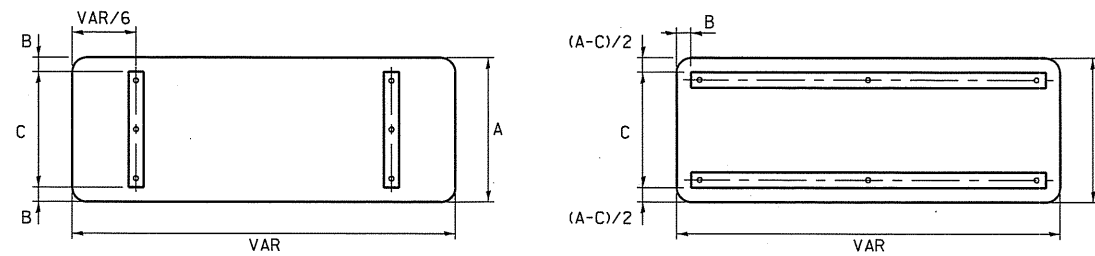
SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
BRACKETS PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"

A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

TS SHT NO. 16

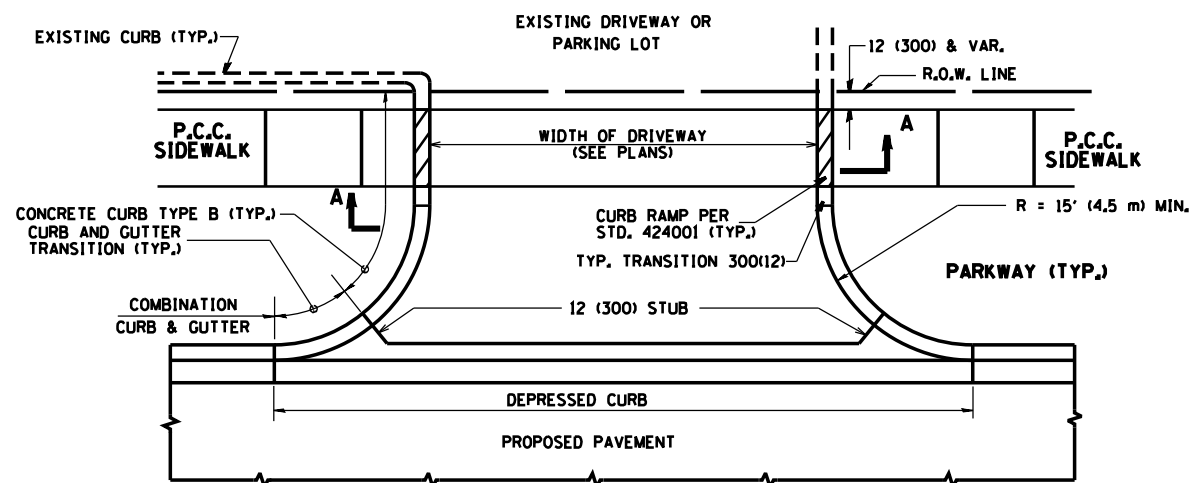
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

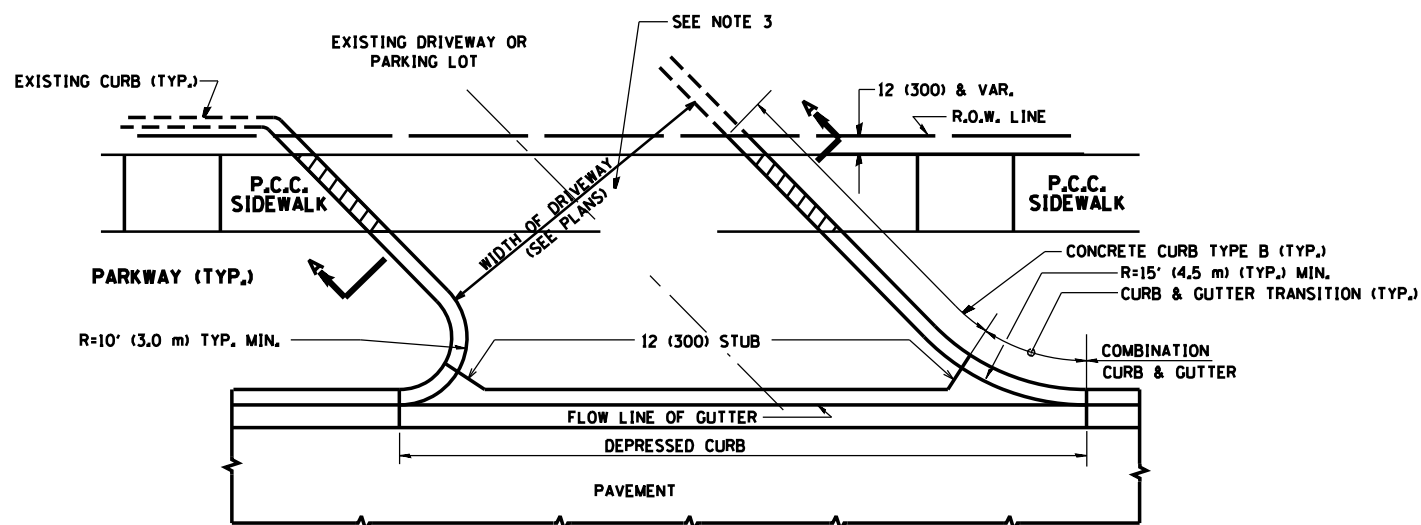
DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

F.A.P. RTE. 365	SECTION 60N-3	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 61
TS-02		CONTRACT NO. 60T23		ILLINOIS FED. AID PROJECT

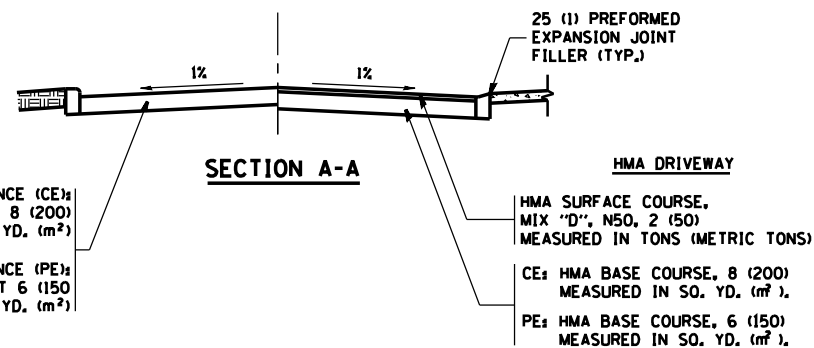
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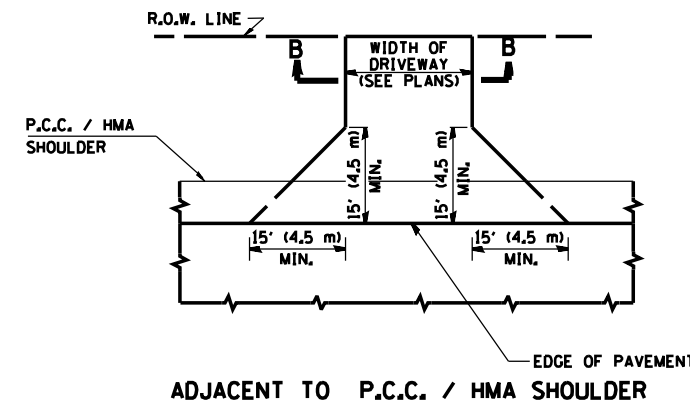
WITH CONCRETE CURB, TYPE B



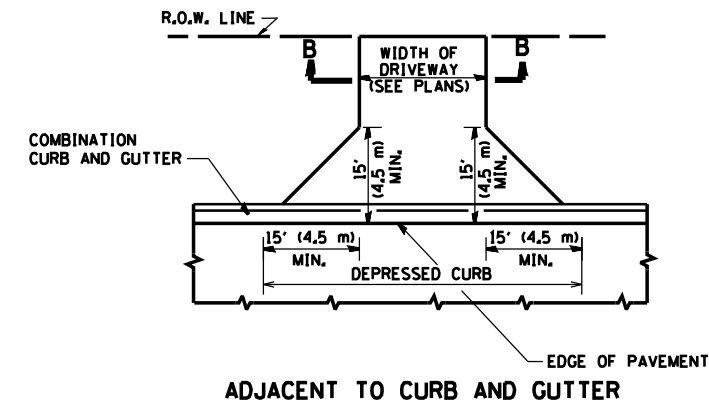
WITH CONCRETE CURB, TYPE B



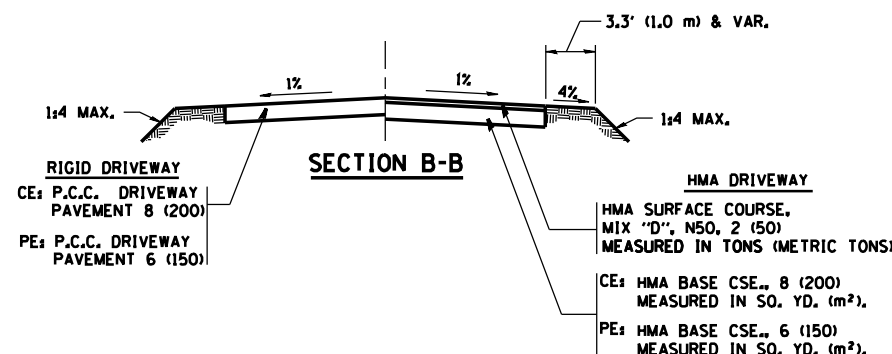
SECTION A-A



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



SECTION B-B

RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX "D", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²)

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.

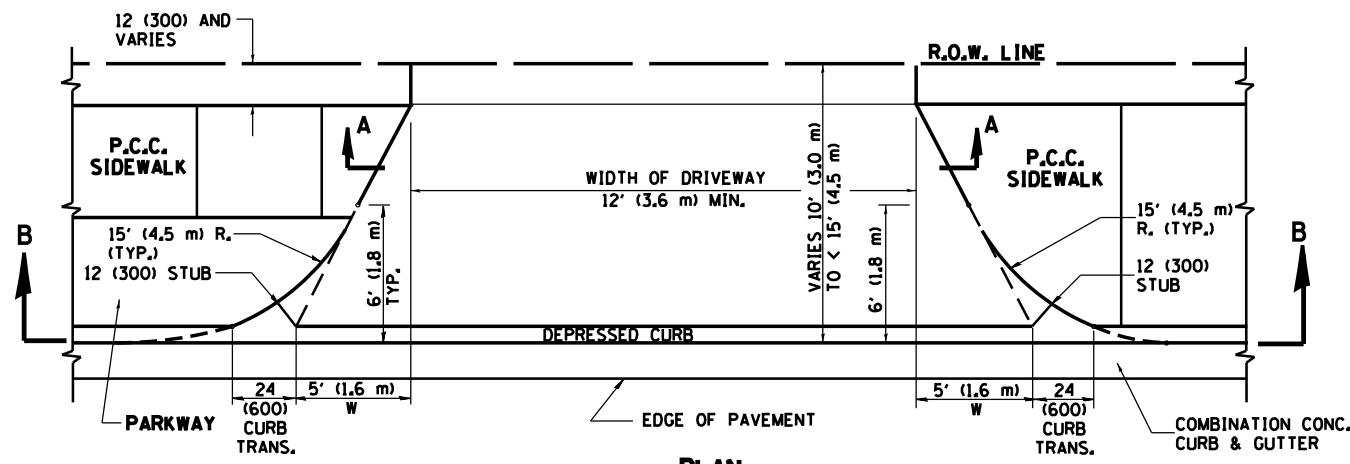
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME =	USER NAME = shiranisb	DESIGNED - R. SHAH	REVISED - P. LoFLUER 04-15-03
et:\pwork\pwork\shiranisb\0329965\01s	Std.dgn	DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0002' / in.	CHECKED -	REVISED - R. BORO 06-11-08
	PLOT DATE = 6/3/2014	DATE - 11-04-95	REVISED - R. BORO 09-06-11

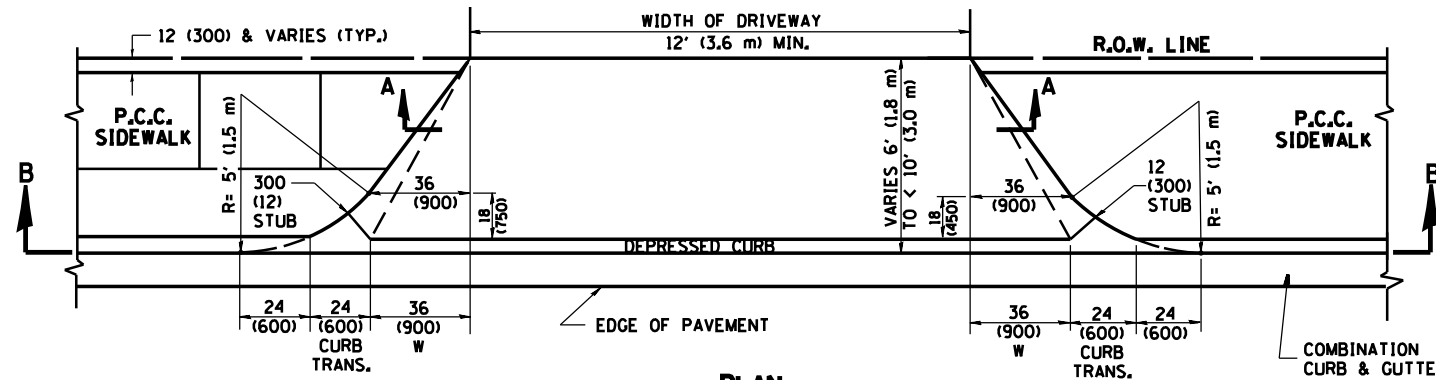
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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.

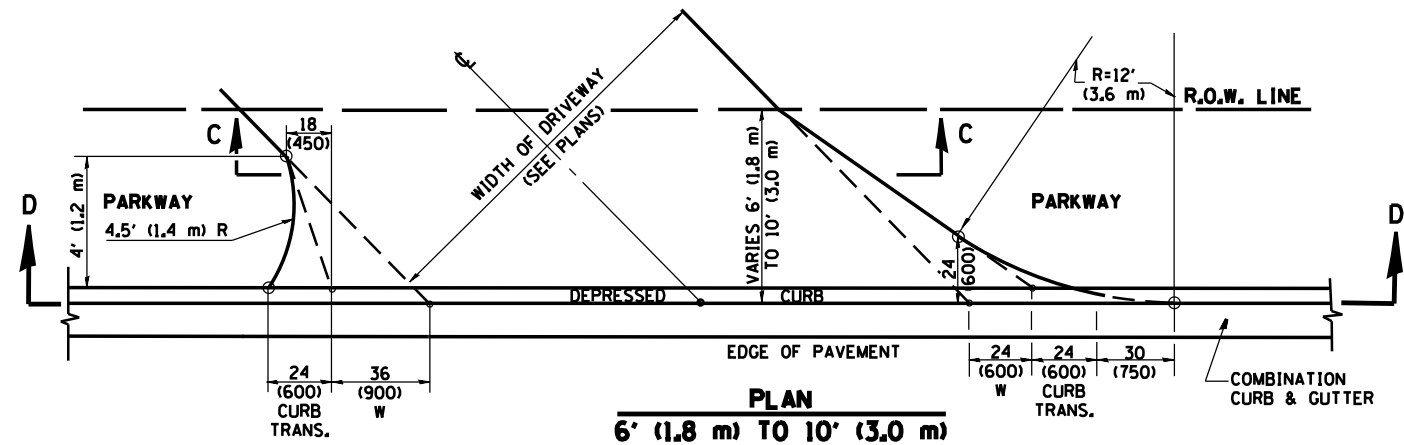
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	62
BD0156-07 (BD-01)			CONTRACT NO. 60T23	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



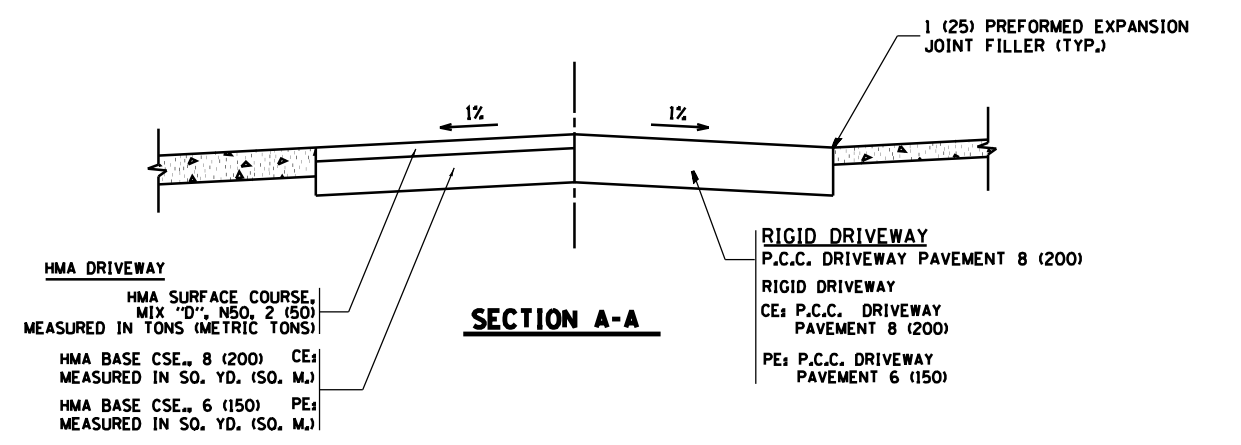
PLAN
10' (3.0 m) TO < 15' (4.5 m)



PLAN
6' (1.8 m) TO < 10' (3.0 m)

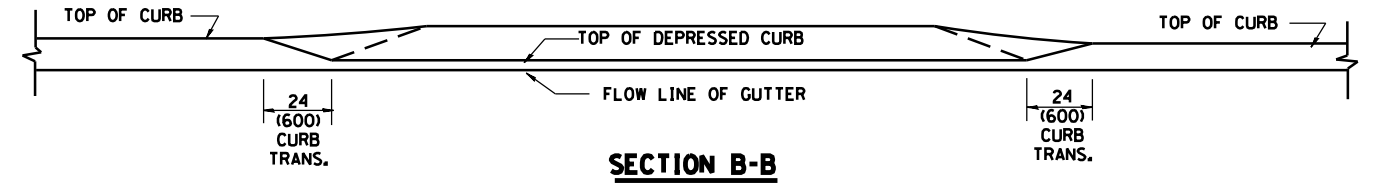


PLAN
6' (1.8 m) TO 10' (3.0 m)

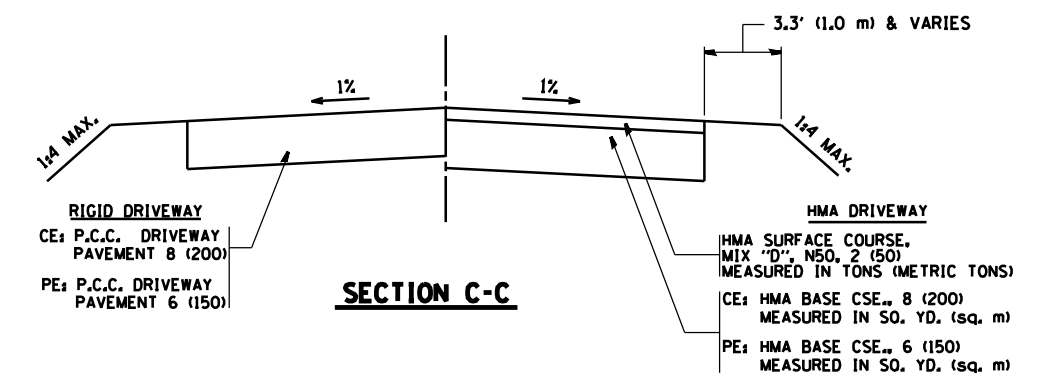


HMA DRIVEWAY
HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)
HMA BASE CSE., 8 (200) MEASURED IN SQ. YD. (SQ. M.)
HMA BASE CSE., 6 (150) MEASURED IN SQ. YD. (SQ. M.)

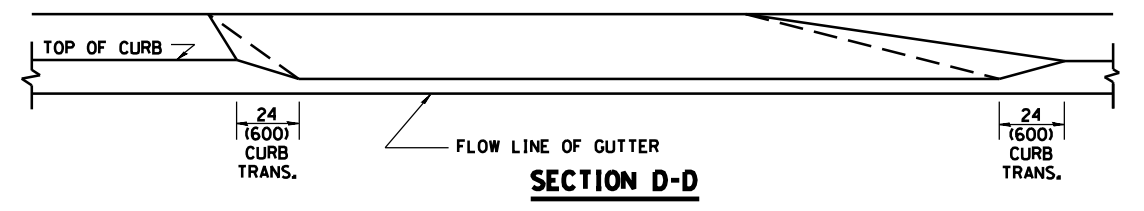
RIGID DRIVEWAY
P.C.C. DRIVEWAY PAVEMENT 8 (200)
RIGID DRIVEWAY CE: P.C.C. DRIVEWAY PAVEMENT 8 (200)
PE: P.C.C. DRIVEWAY PAVEMENT 6 (150)



SECTION B-B



SECTION C-C



SECTION D-D

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 ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF 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.

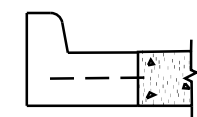
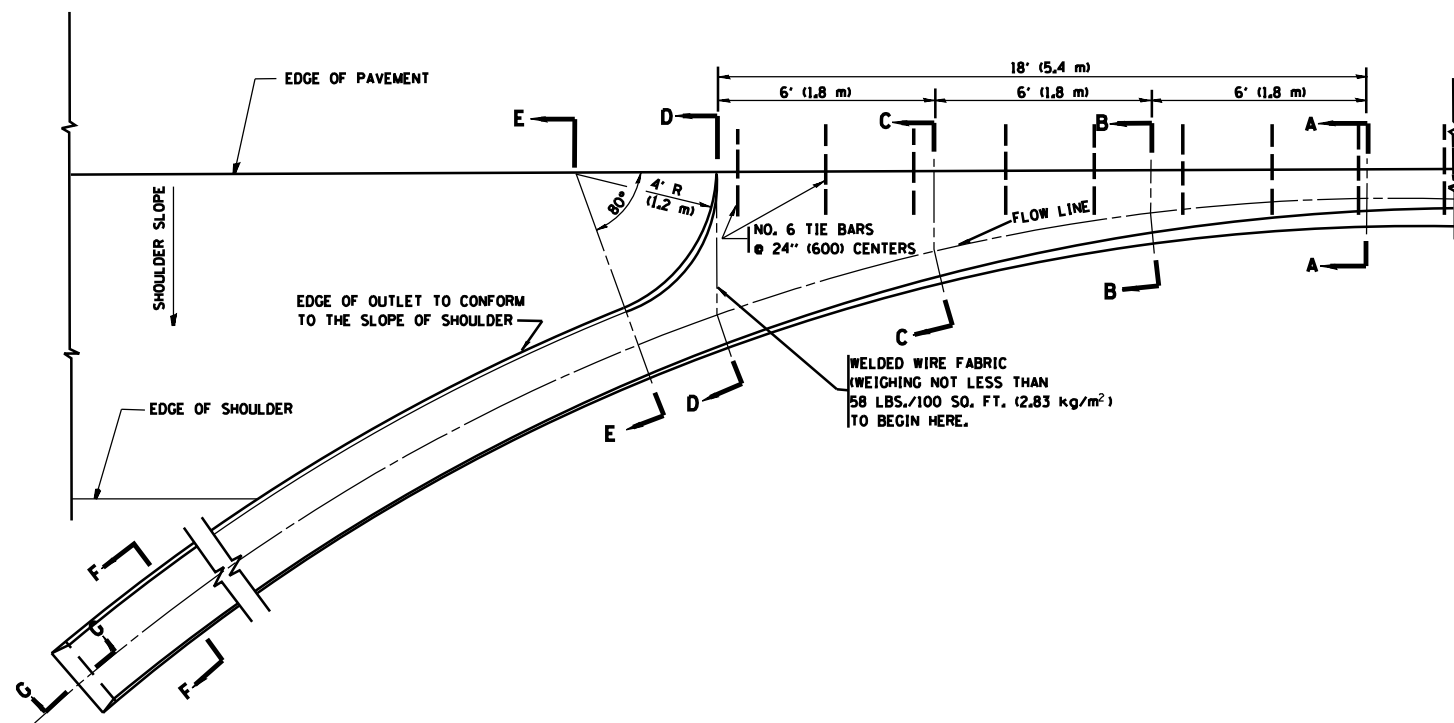
COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 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.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

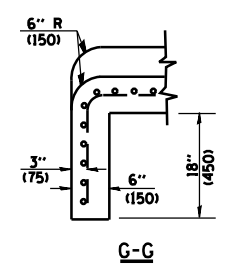
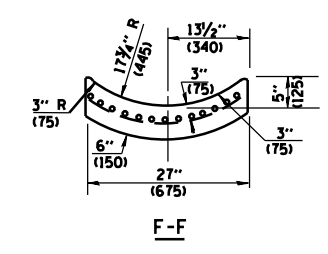
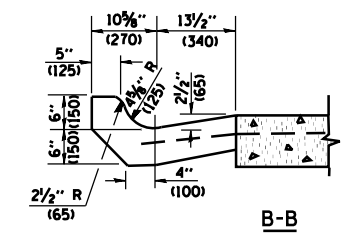
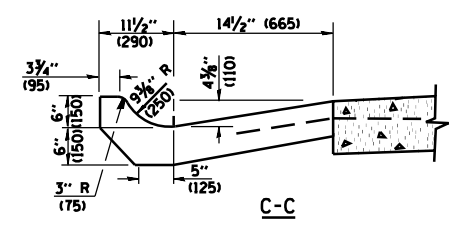
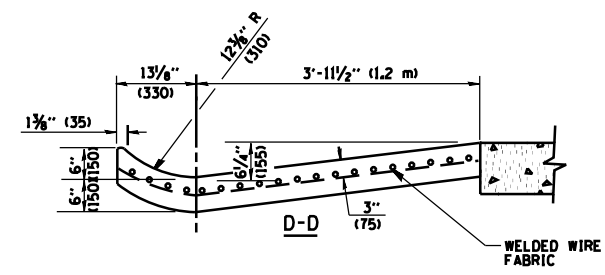
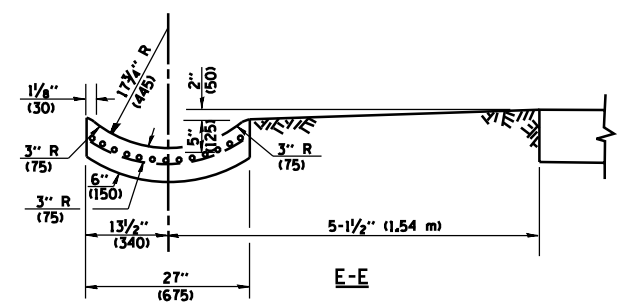
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = shiranisb	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\shiranisb\0329965\01s\Std.dgn		DRAWN -	REVISED - P. LOFLEUR 04-15-03		DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)		365	60N-3	KANE	93	63
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD400-02 (BD-02)		CONTRACT NO. 60T23
PLOT DATE = 6/3/2014		DATE - 11-06-95	REVISED - R. BORO 01-01-07						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



A-A *

* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24\"/>

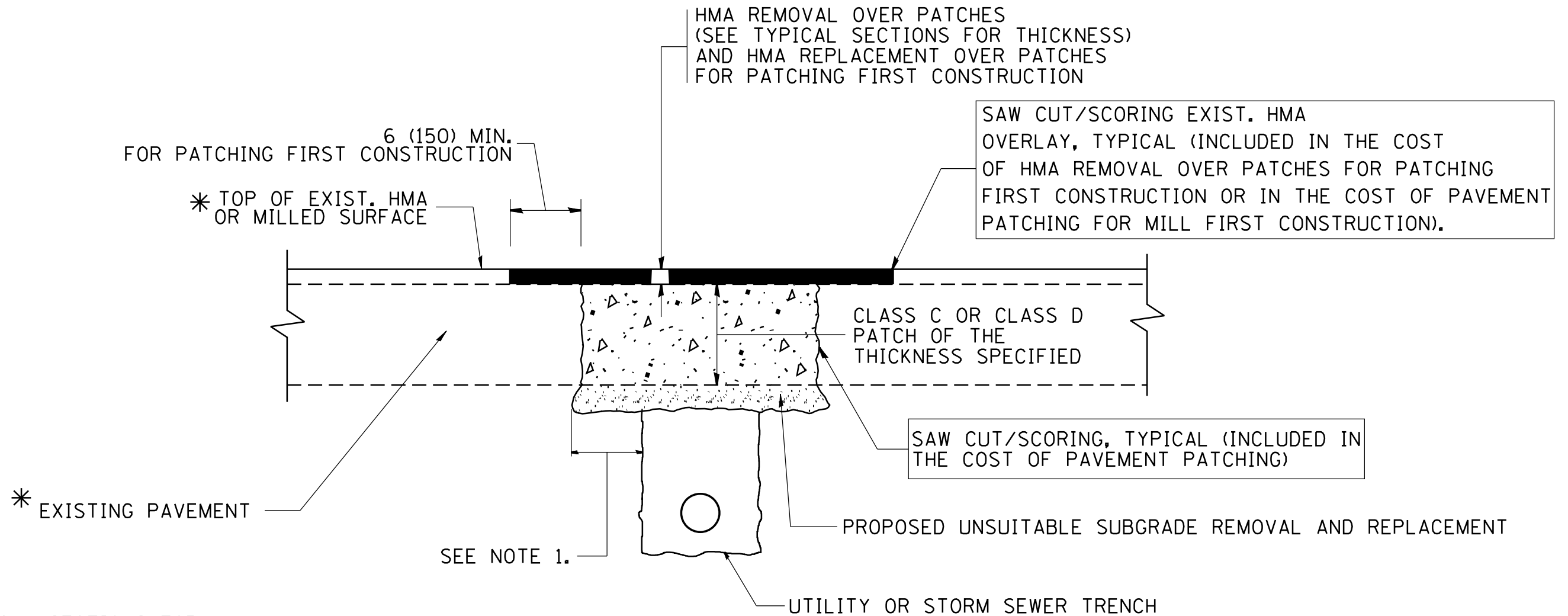
IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL =
 1.25 CU. YDS. (0.96 m³) CLASS SI CONCRETE (OUTLET) FOR 9\"/>

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

FILE NAME =	USER NAME = shiranish	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OUTLET FOR CONCRETE CURB AND GUTTER			F.A.P. RTE. 365	SECTION 60N-3	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 64
c:\pwwork\pwwork\shiranish\d0329965\01s	Std.dgn	DRAWN -	REVISED - R. SHAH 10-25-94		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD600-01	(BD-03)	CONTRACT NO. 60T23		
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - E. GOMEZ 12-21-00		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
	PLOT DATE = 6/3/2014	DATE - 08-04-86	REVISED -									



* 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 =	USER NAME = shiranisb	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\shiranisb\0329965\01s	Std.dgn	DRAWN -	REVISED - R. BORO 01-01-07					365	60N-3	KANE	93	65
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 60T23				
	PLOT DATE = 6/3/2014	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

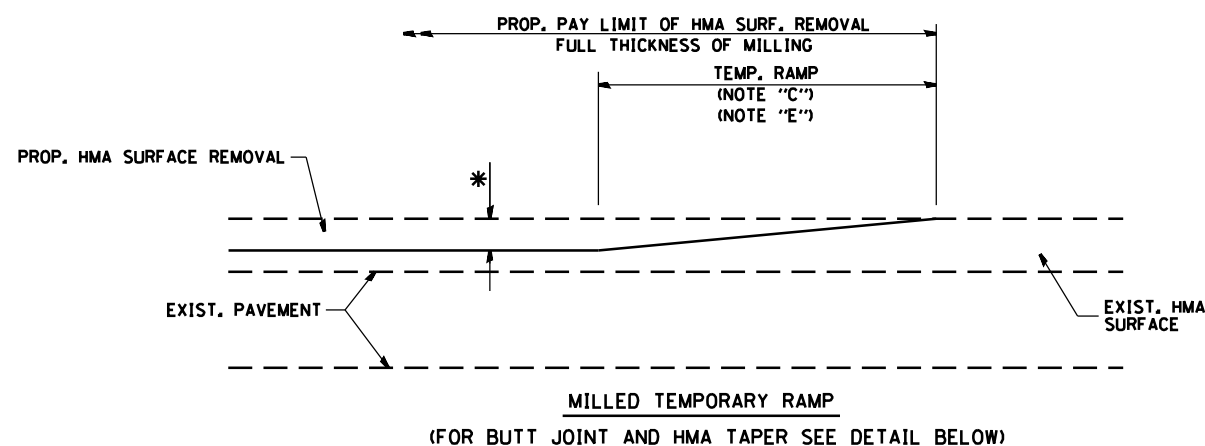
- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
- ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

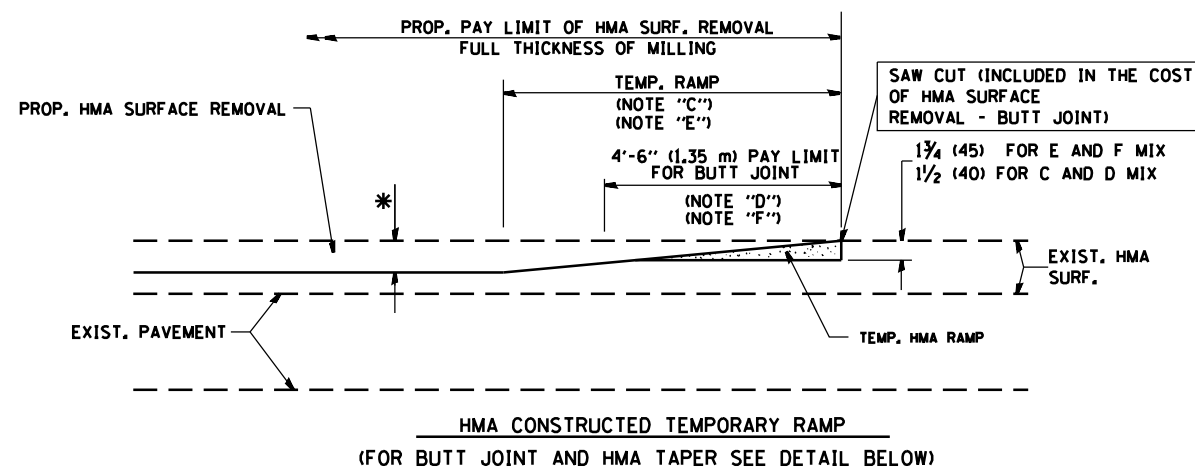
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = shiranisb	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pwork\pwork\shiranisb\0329965\01s	Std.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97					365	60N-3	KANE	93	66
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 01-22-01		BD600-06 (BD-24)			CONTRACT NO. 60T23				
	PLOT DATE = 6/3/2014	DATE - 03-11-94	REVISED - R. BORO 12-15-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

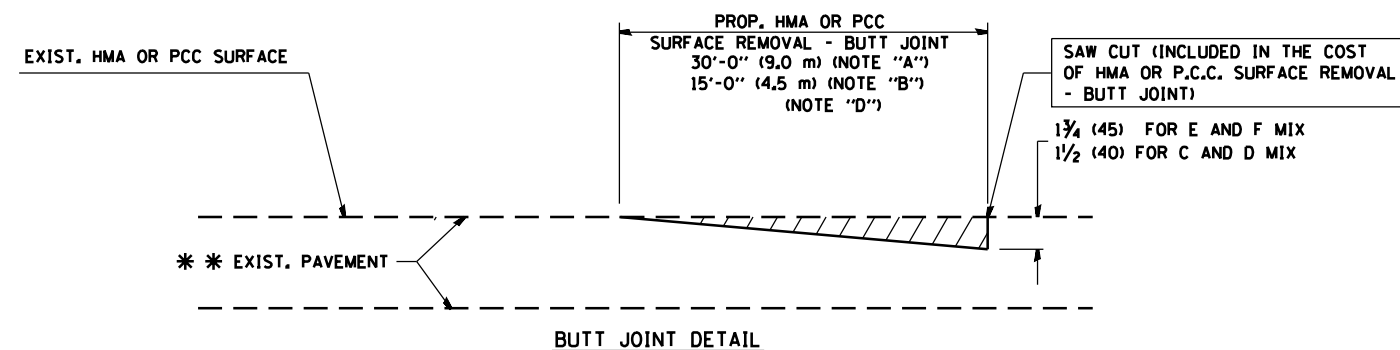


OPTION 1

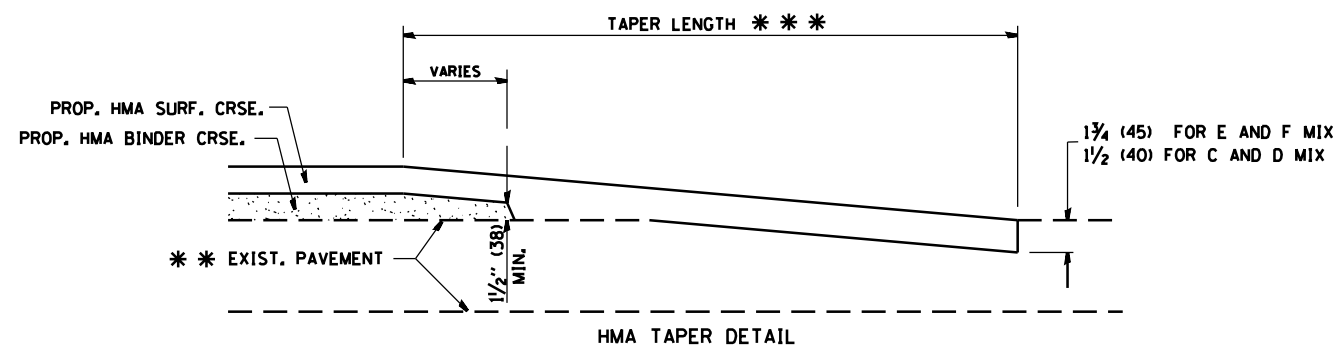


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

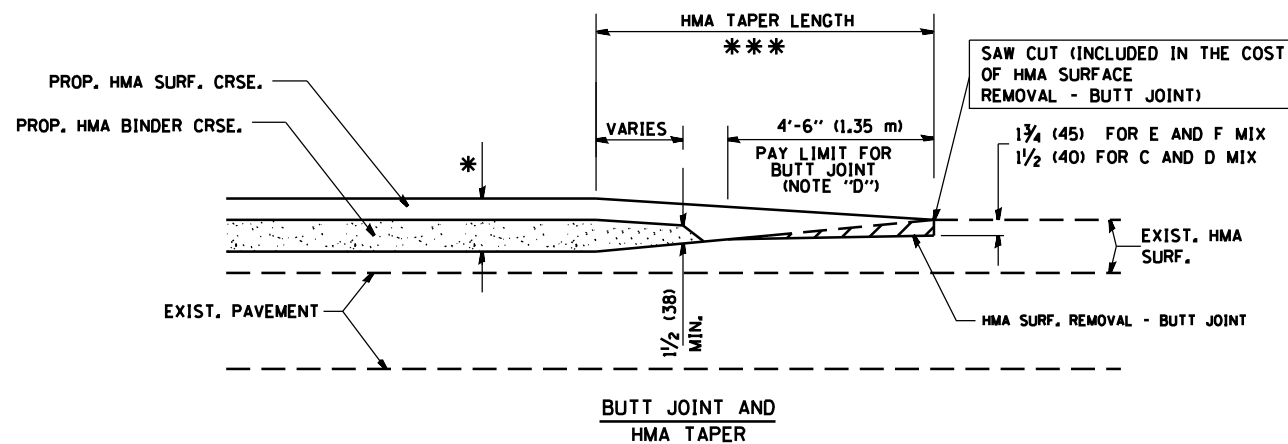
NOTES

- A₂ MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B₂ MINOR SIDE ROADS.
 - C₂ THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D₂ THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E₂ TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F₂ INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G₂ 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.



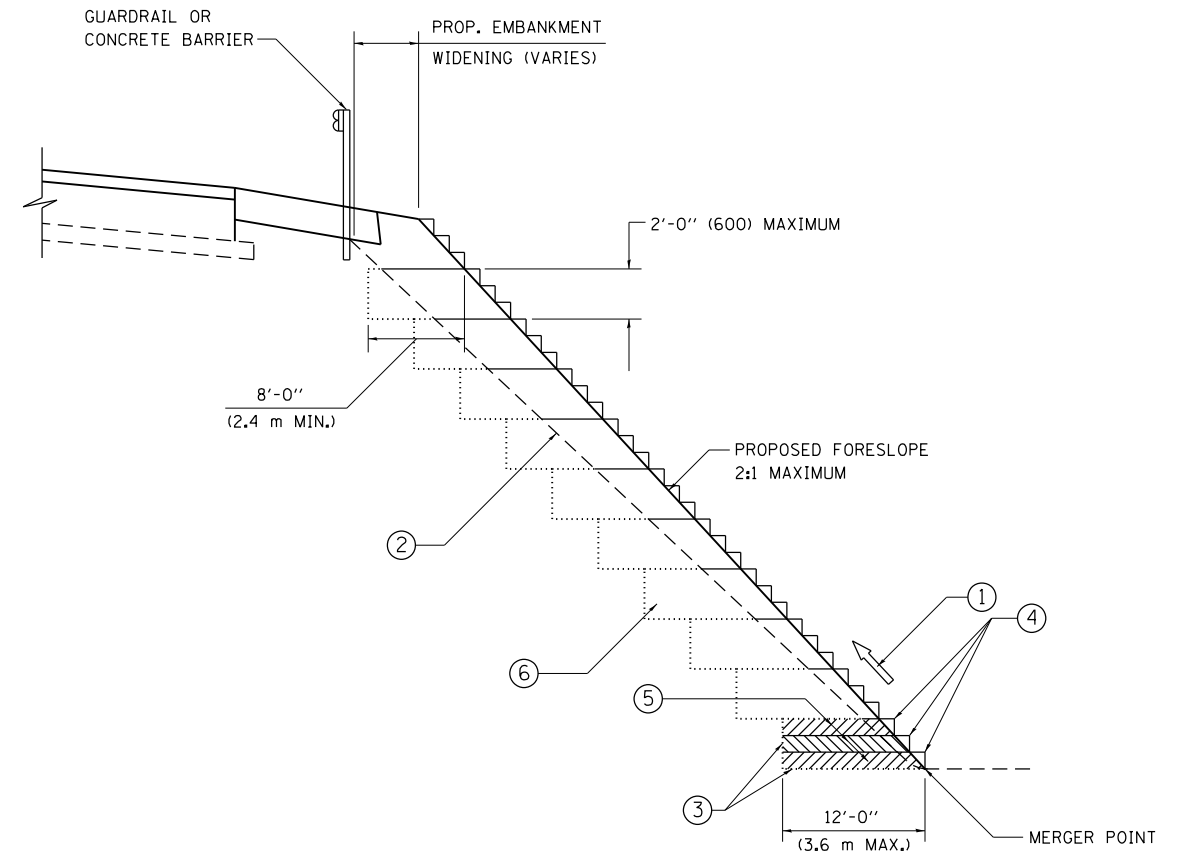
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME =	USER NAME = shiranisb	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
ca:\pwwork\p1dot\shiranisb\10329965\01s	Std.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 6/3/2014	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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	85	67
BD400-05 BD32			CONTRACT NO. 60T23	
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).

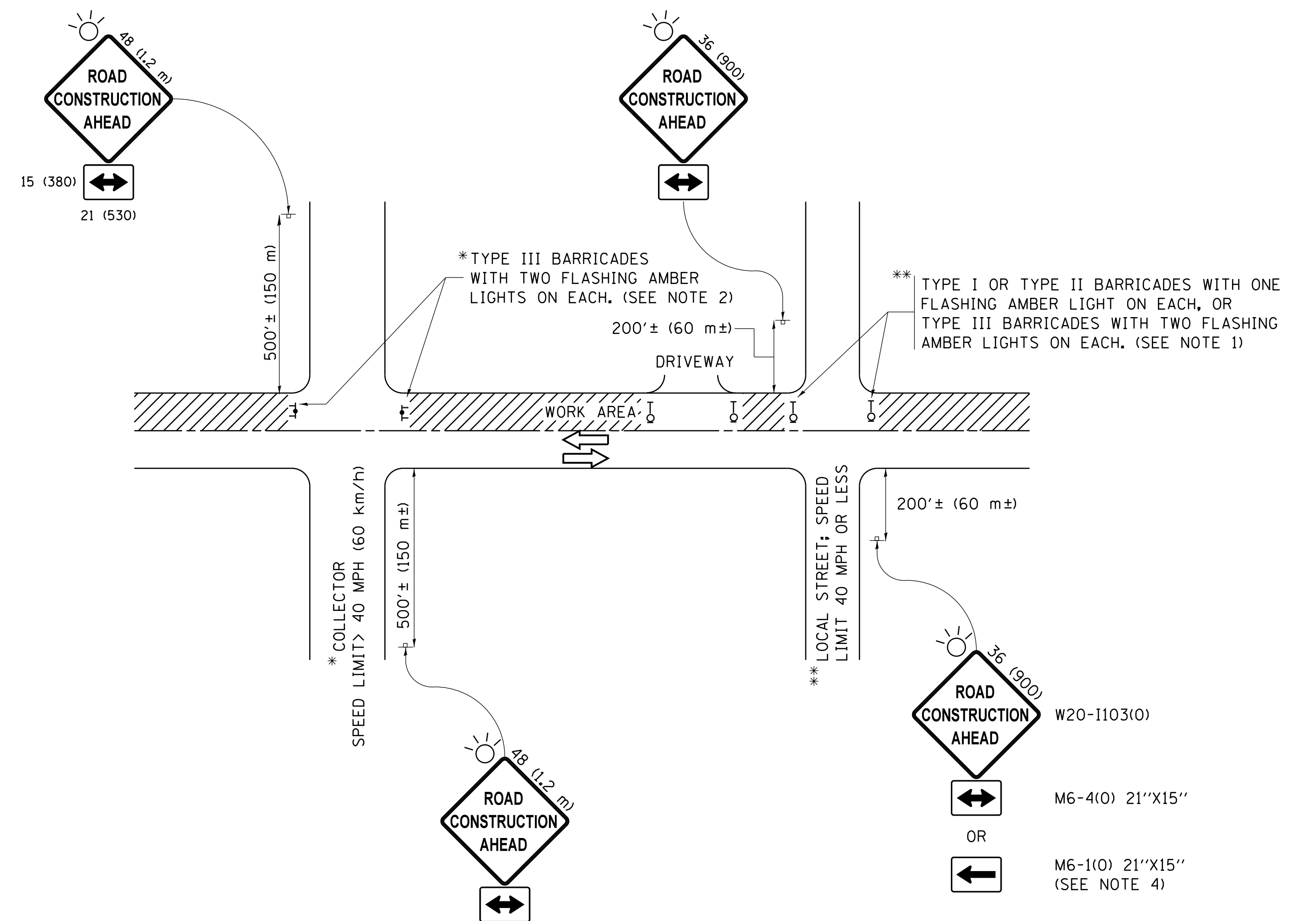
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -
et:\pw\work\p\dot\shiranisb\0329965\01s	Std.dgn	DRAWN - CADD	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - S.E.B.	REVISED -
	PLOT DATE = 1/13/2015	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BENCHING DETAIL FOR EMBANKMENT WIDENING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	68
BD-51			CONTRACT NO. 60T23	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS 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.

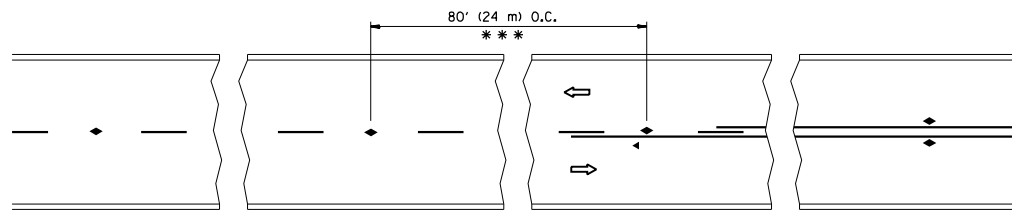
FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
p:\l\084EBID\INTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\Dist	DRAWN\CADDData\CADsheets\tc10.dgn	CHECKED -	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50.000' / in.	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

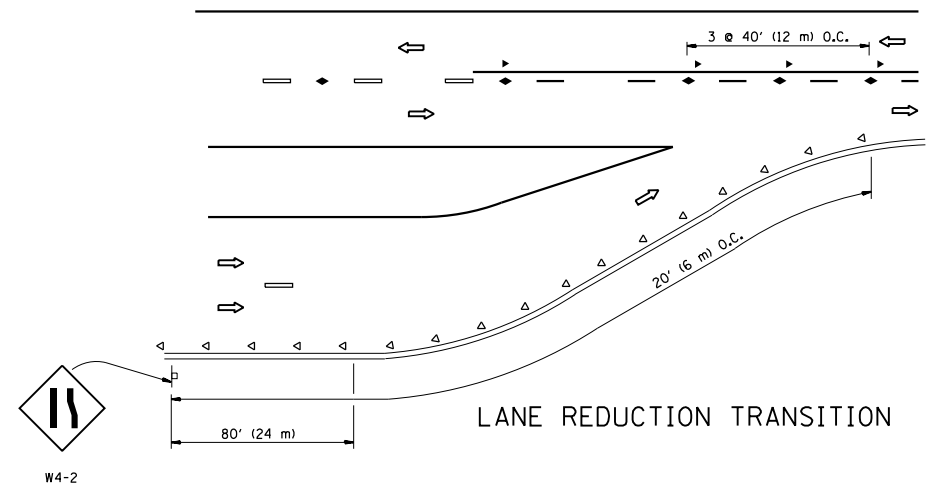
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	69
TC-10			CONTRACT NO. 60T23	
ILLINOIS FED. AID PROJECT				

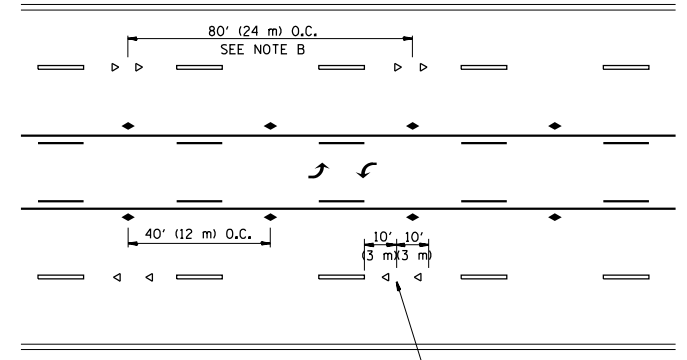


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

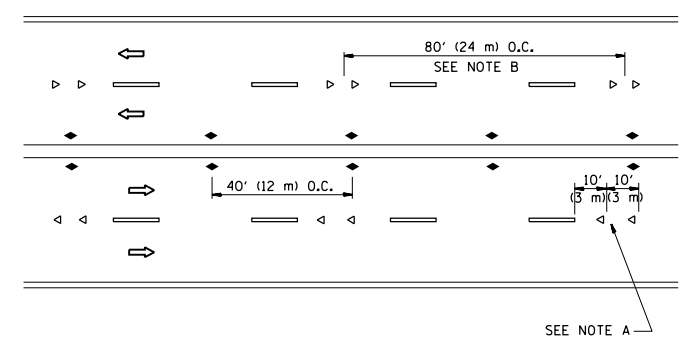
TWO-LANE/TWO-WAY



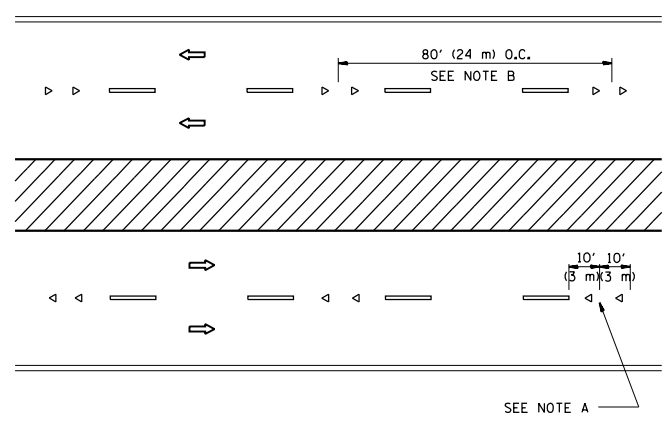
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



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.

SYMBOLS

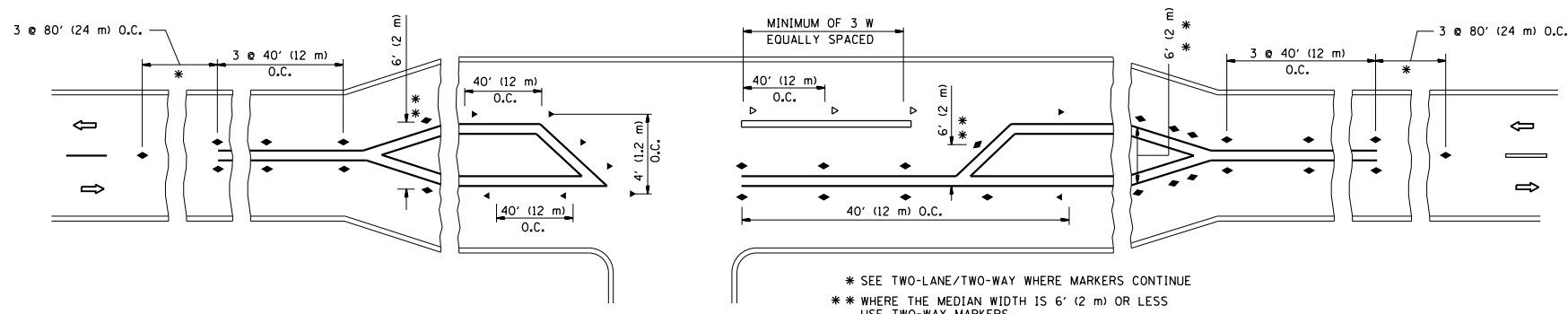
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

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.

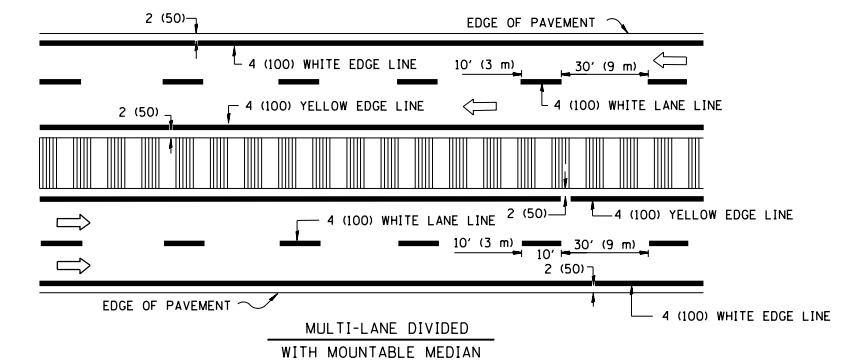
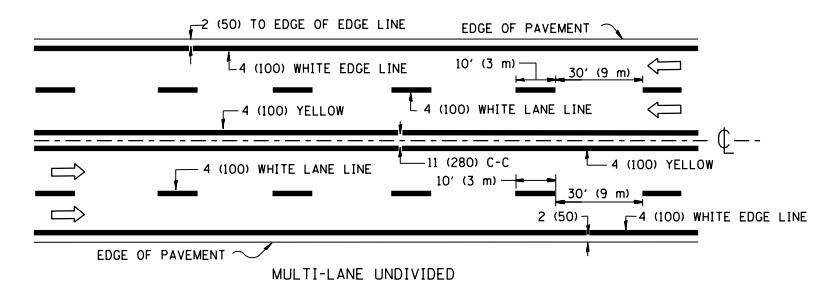
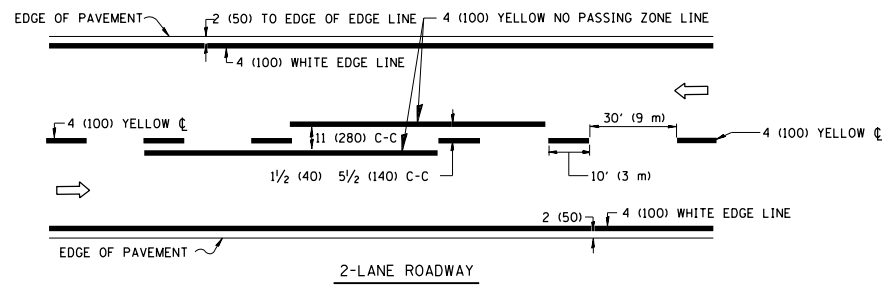


LEFT TURN

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

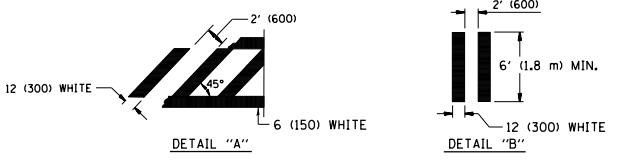
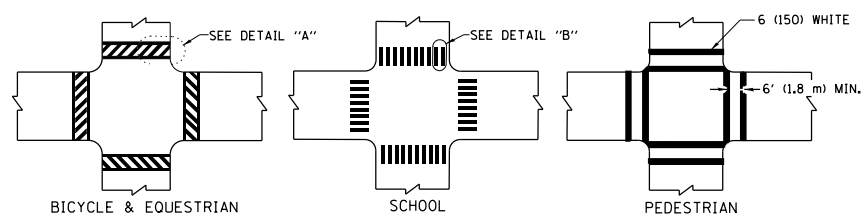
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\id\shiranisb\0329965\015\Std.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99					365	60N-3	KANE	93	70
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00		TC-11			CONTRACT NO. 60T23				
	PLOT DATE = 1/13/2015	DATE -	REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

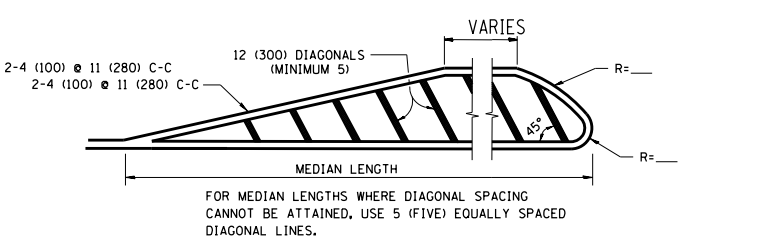
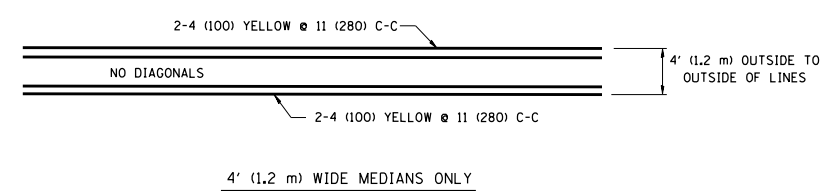


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

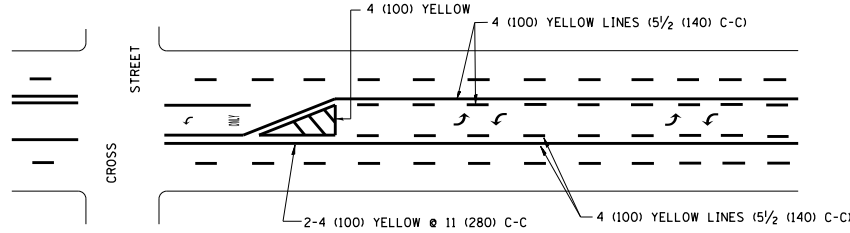


TYPICAL CROSSWALK MARKING

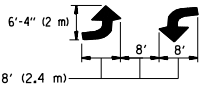


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

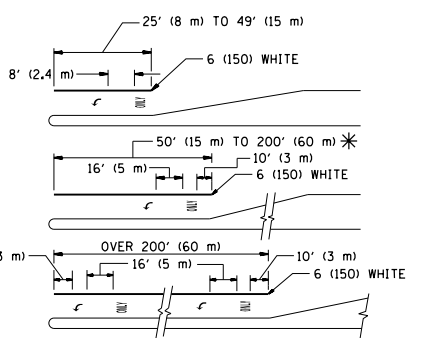


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

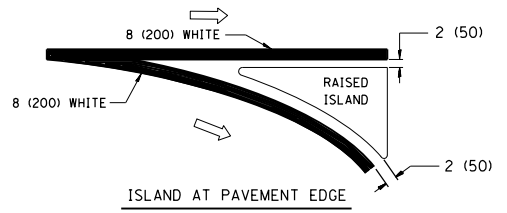
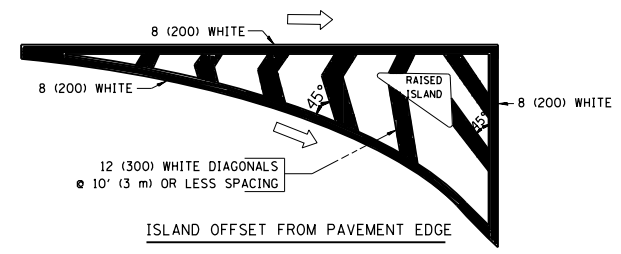


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* 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



TYPICAL ISLAND MARKING

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	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	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 MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
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; 5/2 (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 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" 15 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) EACH
SHOULDER DIAGONALS	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))

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.

FILE NAME =	USER NAME = shiranisb	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/13/2015	DATE - 03-19-90	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	71
TC-13		CONTRACT NO. 60T23		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

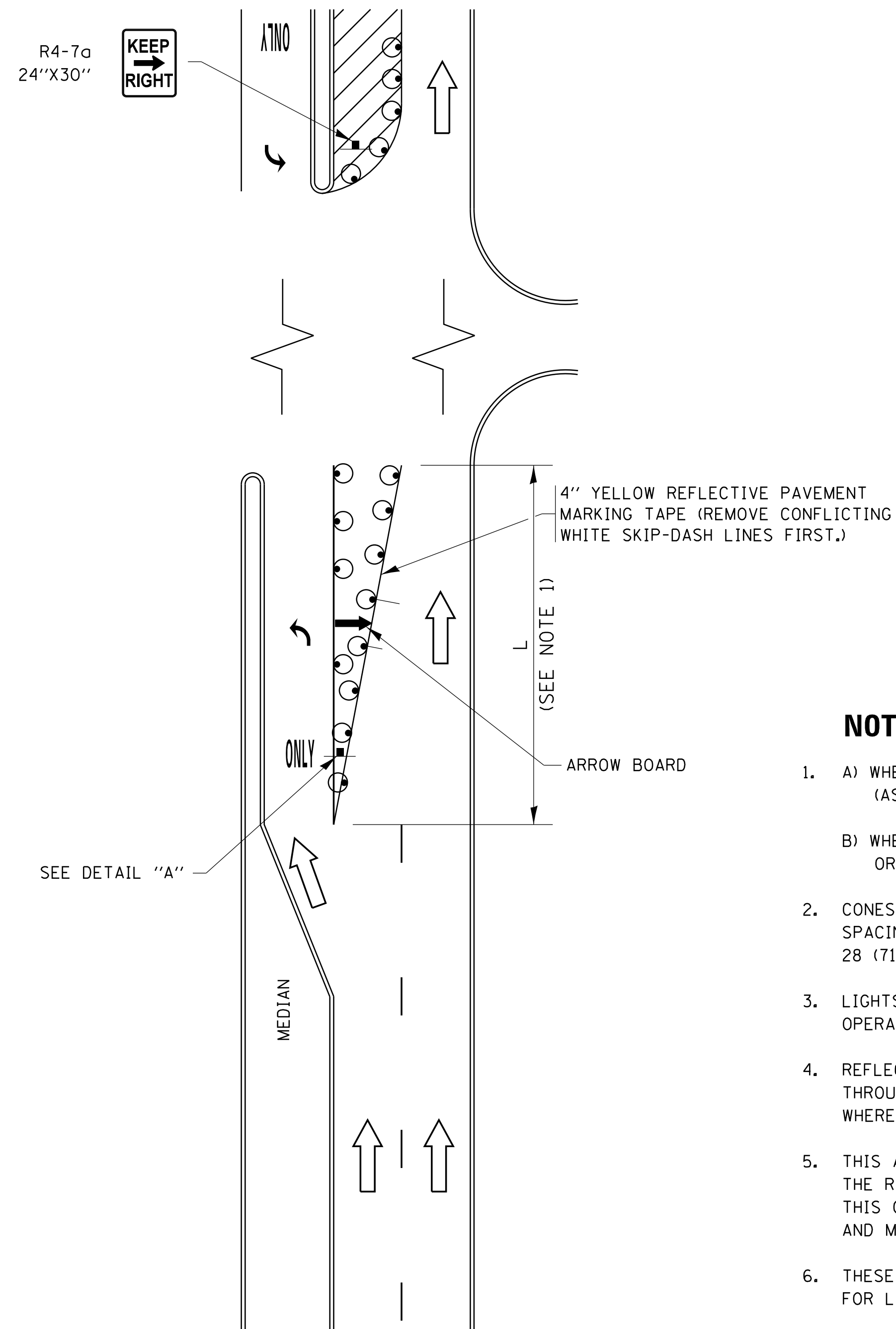
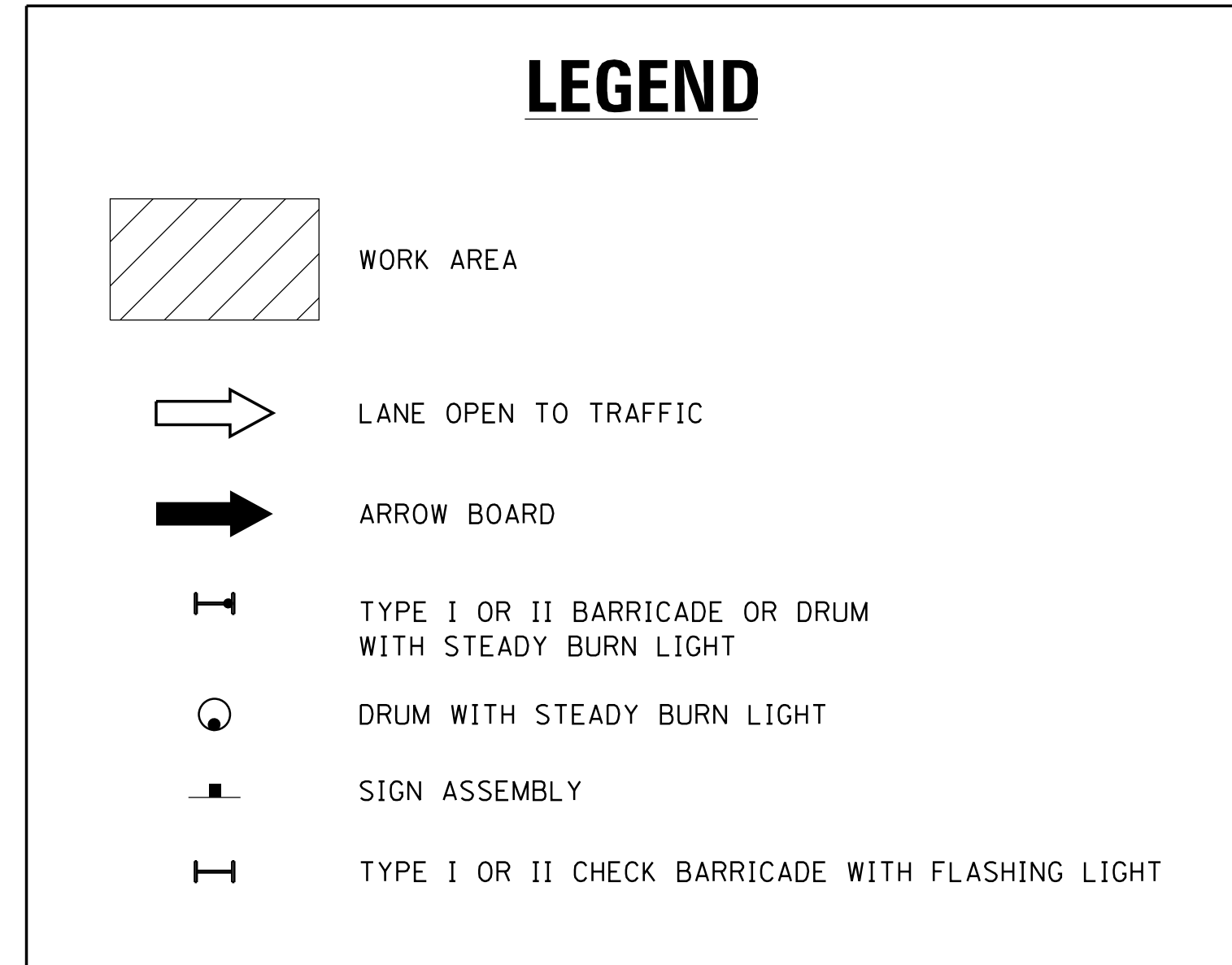


FIGURE 1



NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. 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.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

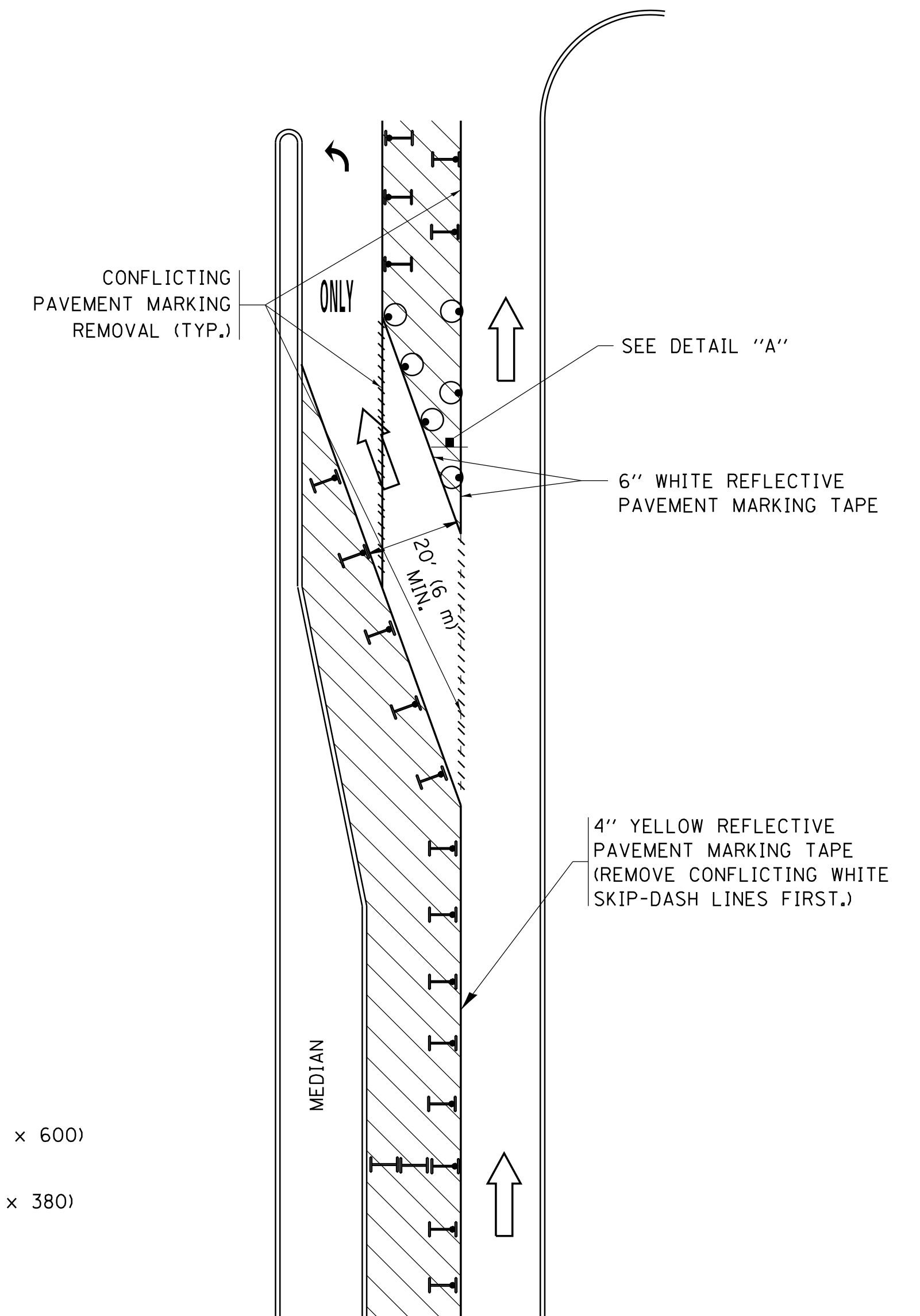
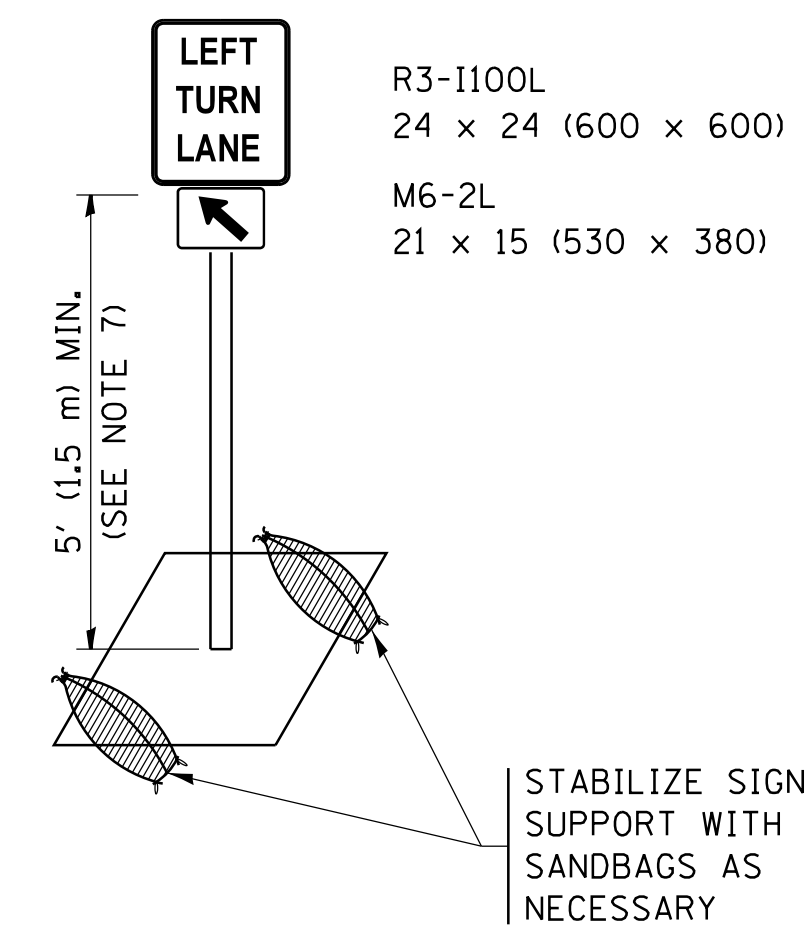


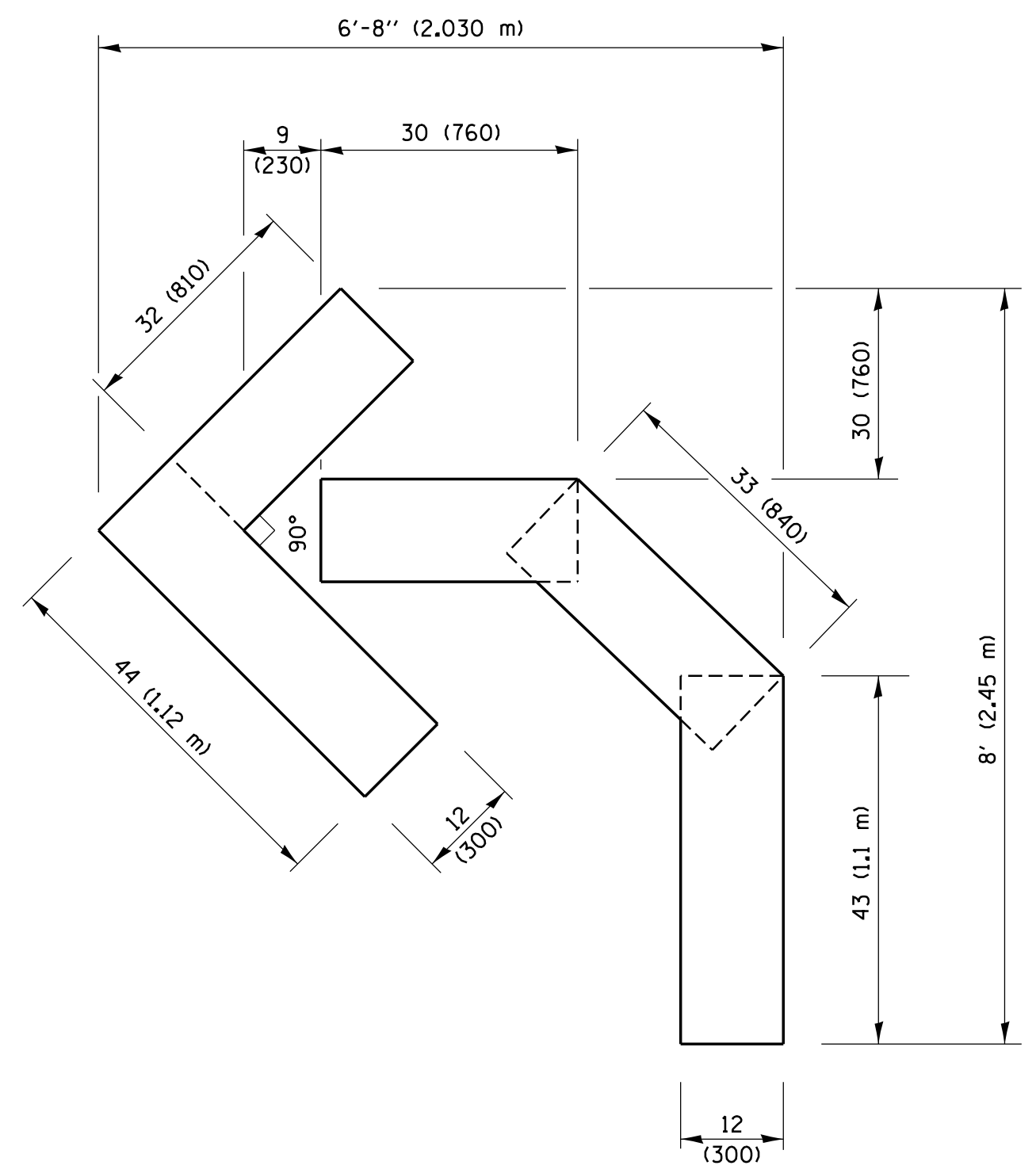
FIGURE 2



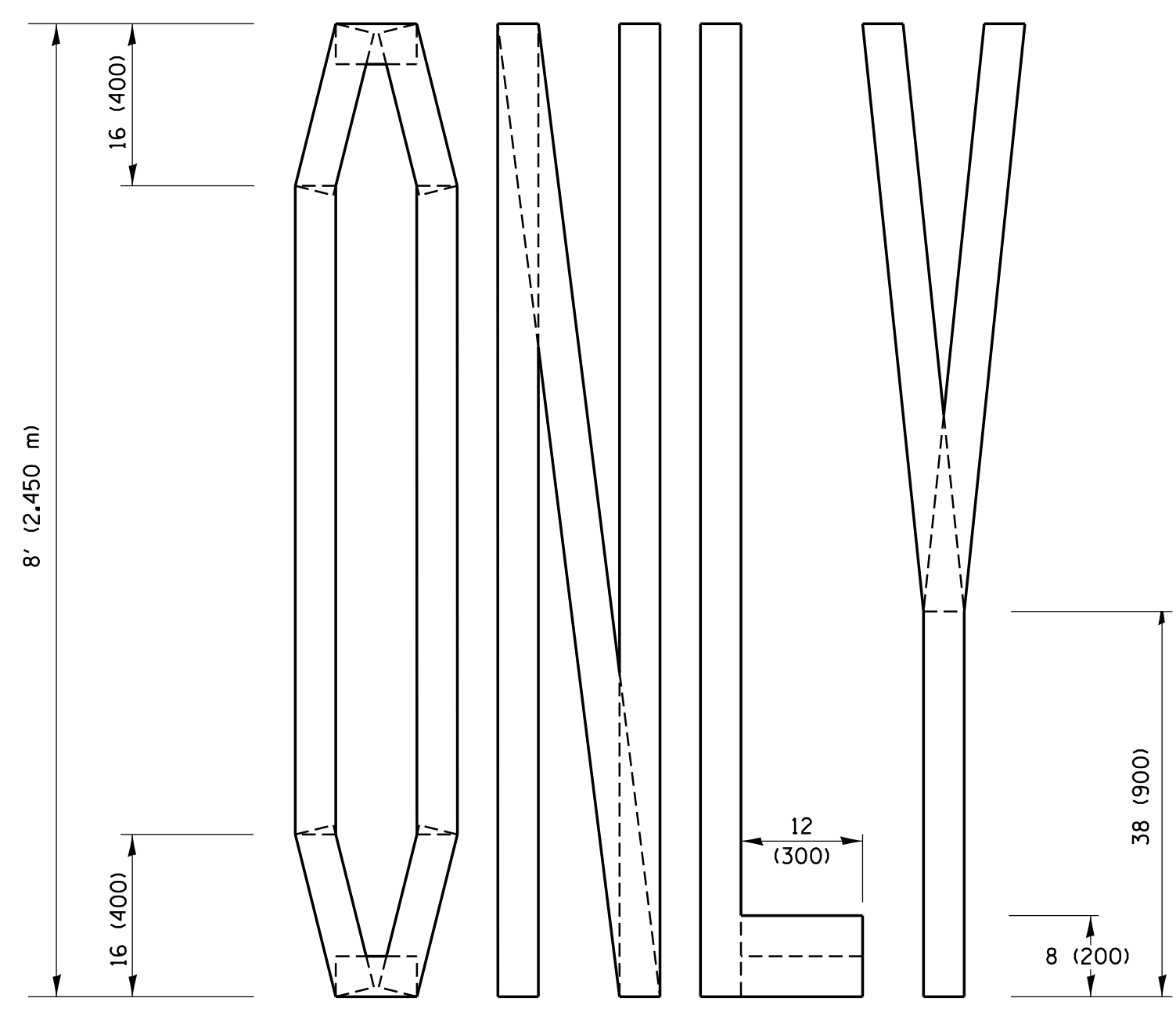
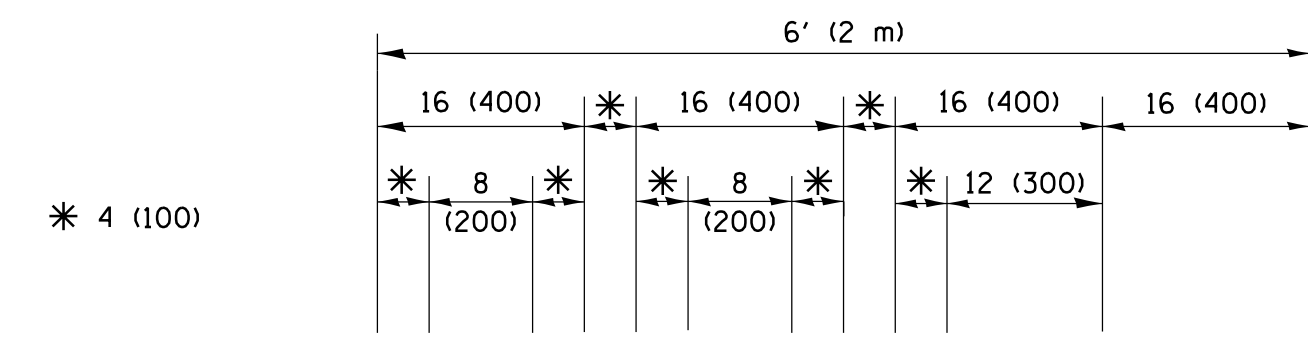
DETAIL A

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

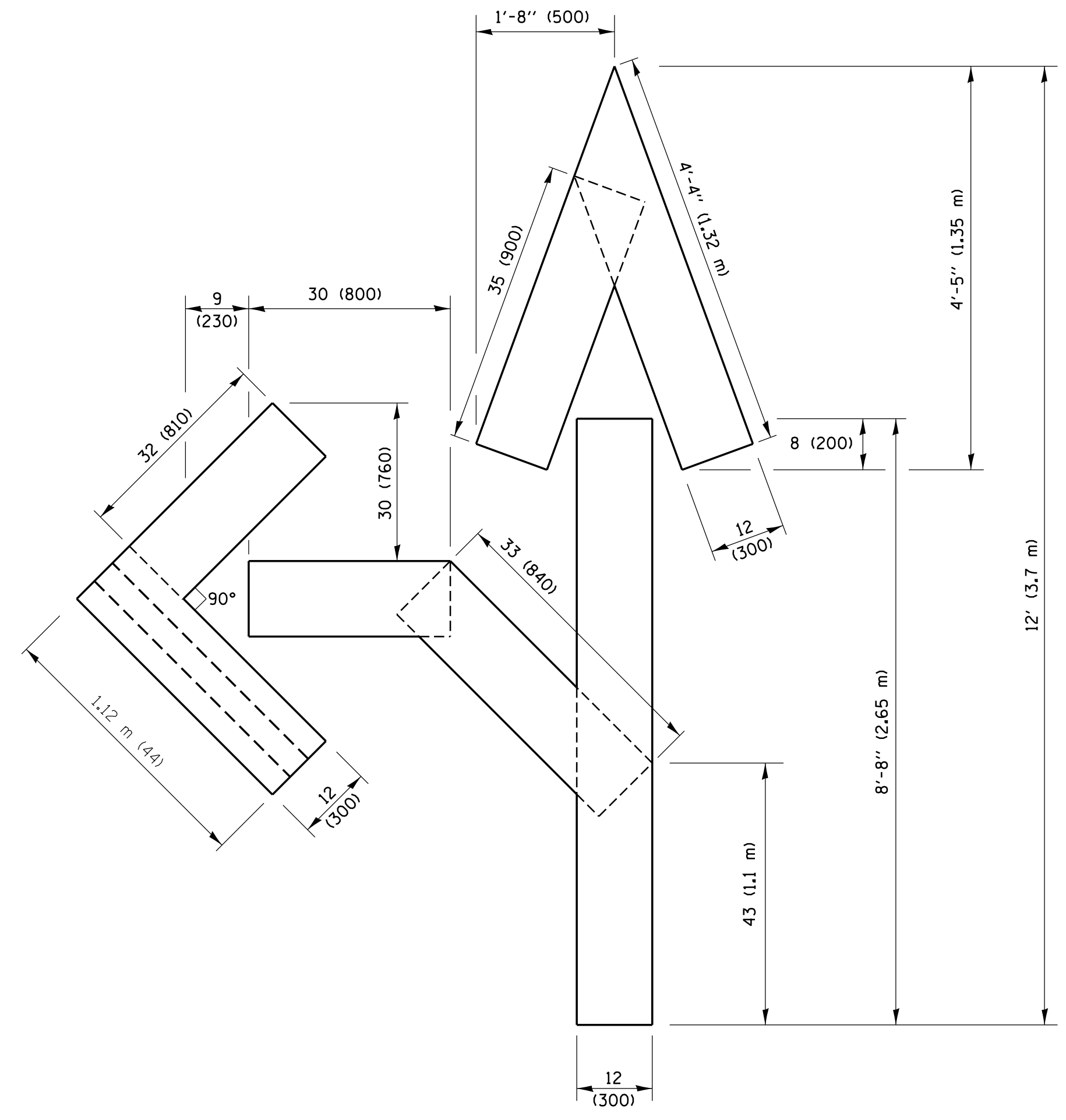
FILE NAME =	USER NAME = footemj	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)				F.A.P. RTEL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\Dist	REVISED - A. HOUSEH 10-07-95	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 09-15-16		365	60N-3	KANE	93	72				
Default	PLOT SCALE = 50.0000' / in.	REVISED - T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	TC-14	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60T23	



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

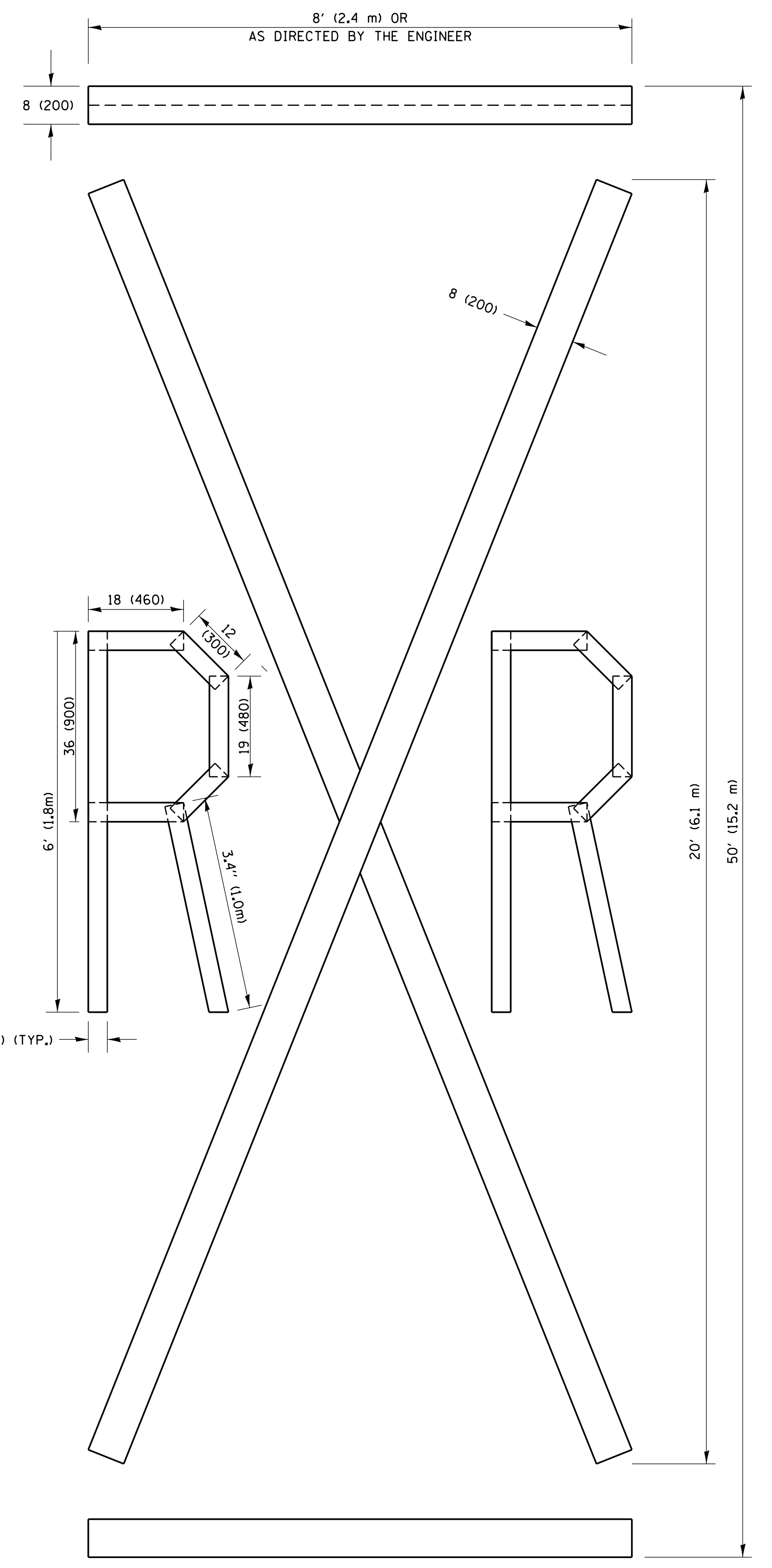


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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

NOTE:
 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)

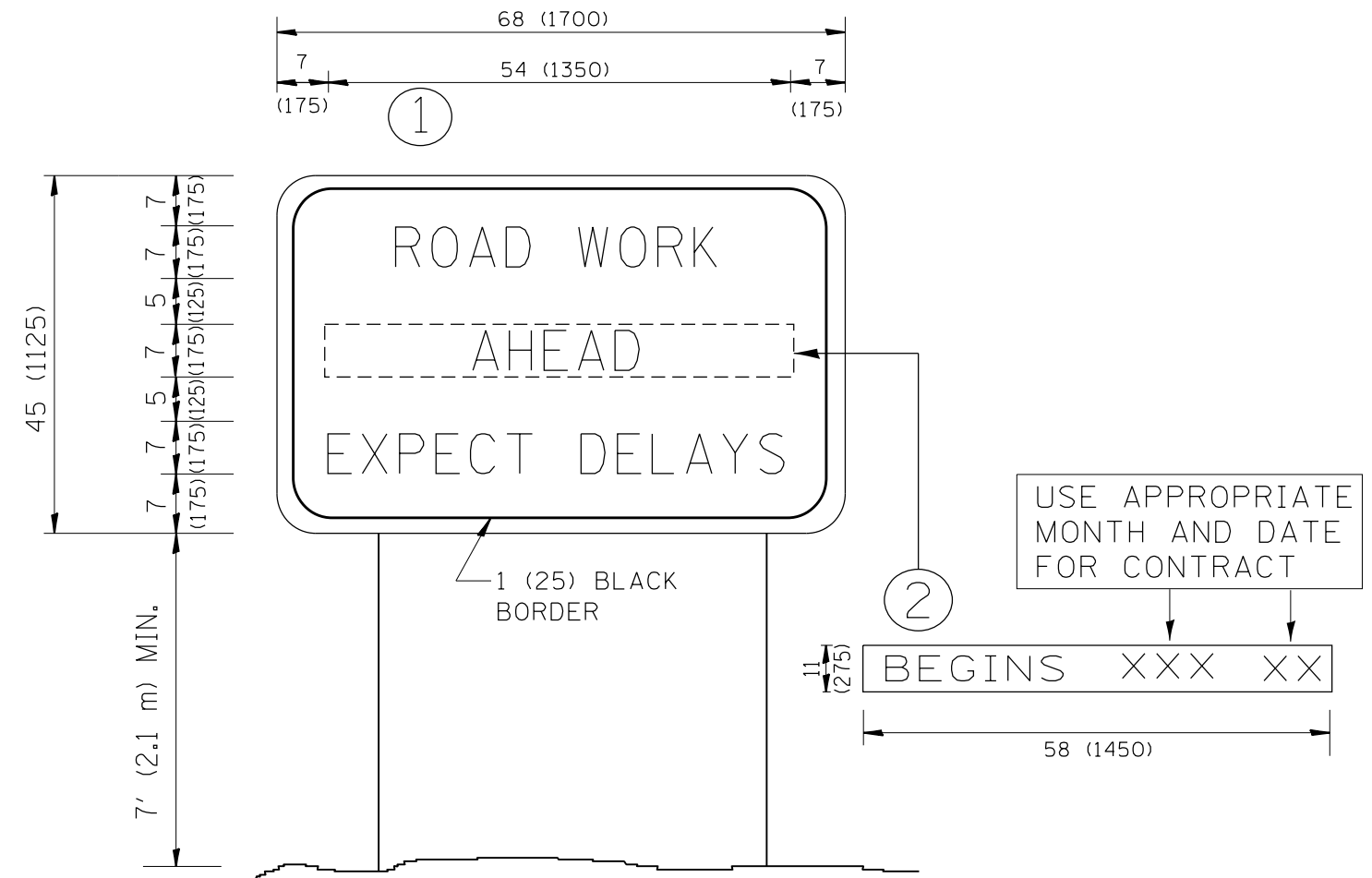
All dimensions are in inches (millimeters) unless otherwise shown.

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		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE -	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.

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	73
TC-16		CONTRACT NO. 60T23		
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.

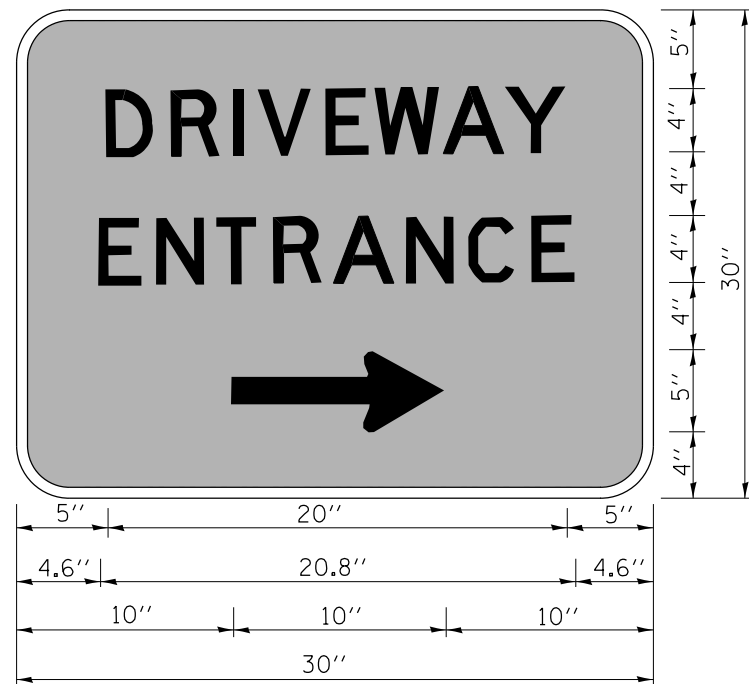
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et:\pw\work\p\idot\shiranisb\0329965\01s	Std.dgn	DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/13/2015	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	74
TC-22			CONTRACT NO. 60T23	
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				



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 = shiranisb	DESIGNED -	REVISED - C. JUCIUS 02-15-07
p:\11\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\PI430\Drawings\Design\DistStd.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 10/21/2016	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	75
TC-26			CONTRACT NO. 60T23	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM		S	S	ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM	R			SIGNAL POST AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			12" (300mm) TRAFFIC SIGNAL SECTION			
GUY WIRE				ABANDON ITEM	A			12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE			
SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER			
SIGNAL HEAD WITH BACKPLATE				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER				RADIO INTERCONNECT			
SIGNAL HEAD OPTICALLY PROGRAMMED				RADIO REPEATER				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
PEDESTRIAN SIGNAL HEAD											
PEDESTRIAN PUSHBUTTON DETECTOR											
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR											
ILLUMINATED SIGN "NO LEFT TURN"											
ILLUMINATED SIGN "NO RIGHT TURN"											
DETECTOR LOOP, TYPE I											
PREFORMED DETECTOR LOOP											
MICROWAVE VEHICLE SENSOR											
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

RAILROAD SYMBOLS

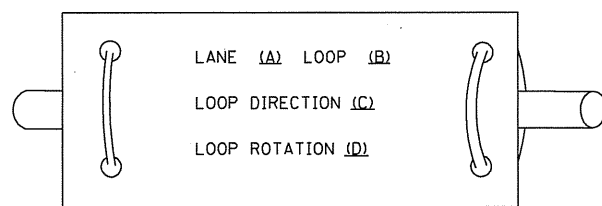
	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

TS SHT NO. 1

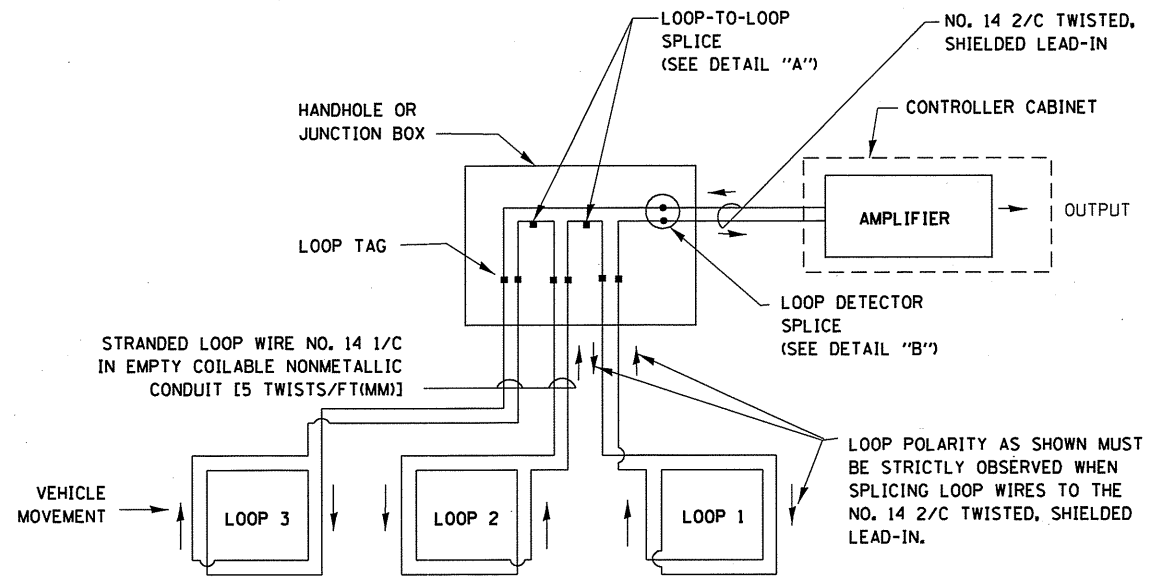
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

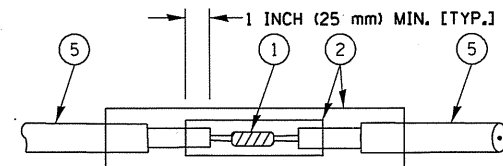


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

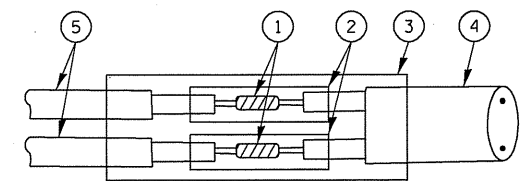


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm), IF IN CONCRETE. THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

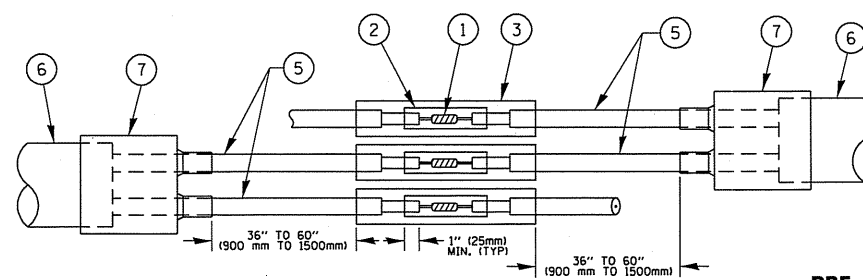


**DETAIL "A"
LOOP-TO-LOOP SPLICE**

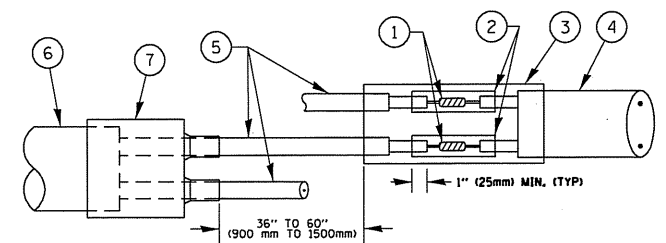


**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

TYPE I LOOP



**DETAIL "A"
LOOP-TO-LOOP SPLICE**



**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

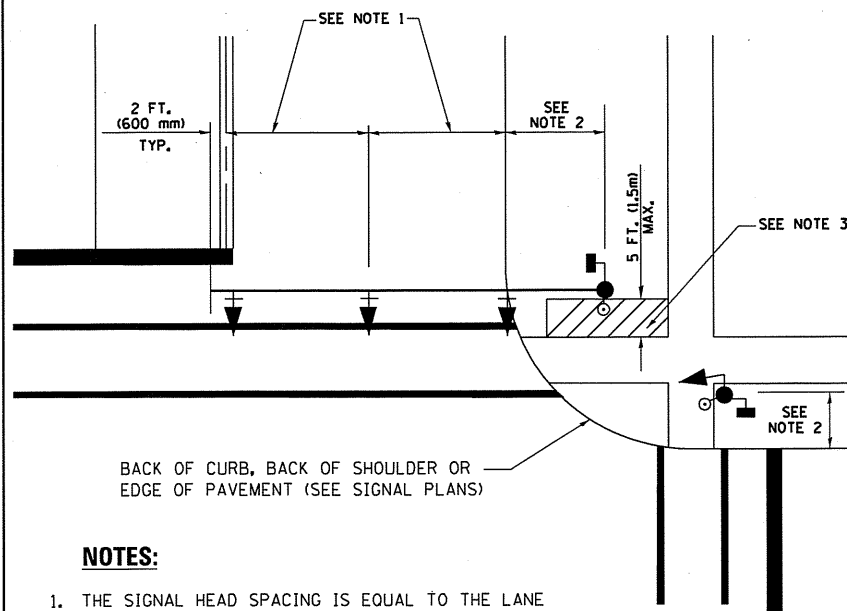
LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PRE-FORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

TS SHT NO. 2

FILE NAME =	USER NAME = pcciechel	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\idot\pcciechel\d0329977\PI	6389-sht-ts.dgn	DRAWN - BCK	REVISED -			365	60N-3	KANE	93	77
PLOT SCALE = 100.0000' / in.	CHECKED - DAD	REVISED -				TS-05		CONTRACT NO. 60T23		
PLOT DATE = 10/17/2014	DATE - 10-28-09	REVISED -				SCALE: NONE		SHEET NO. 2 OF 7 SHEETS		STA. TO STA.
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

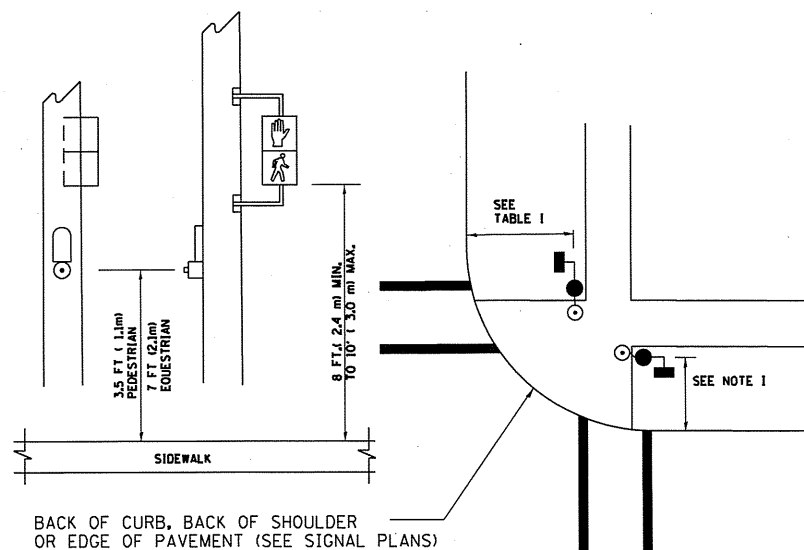
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

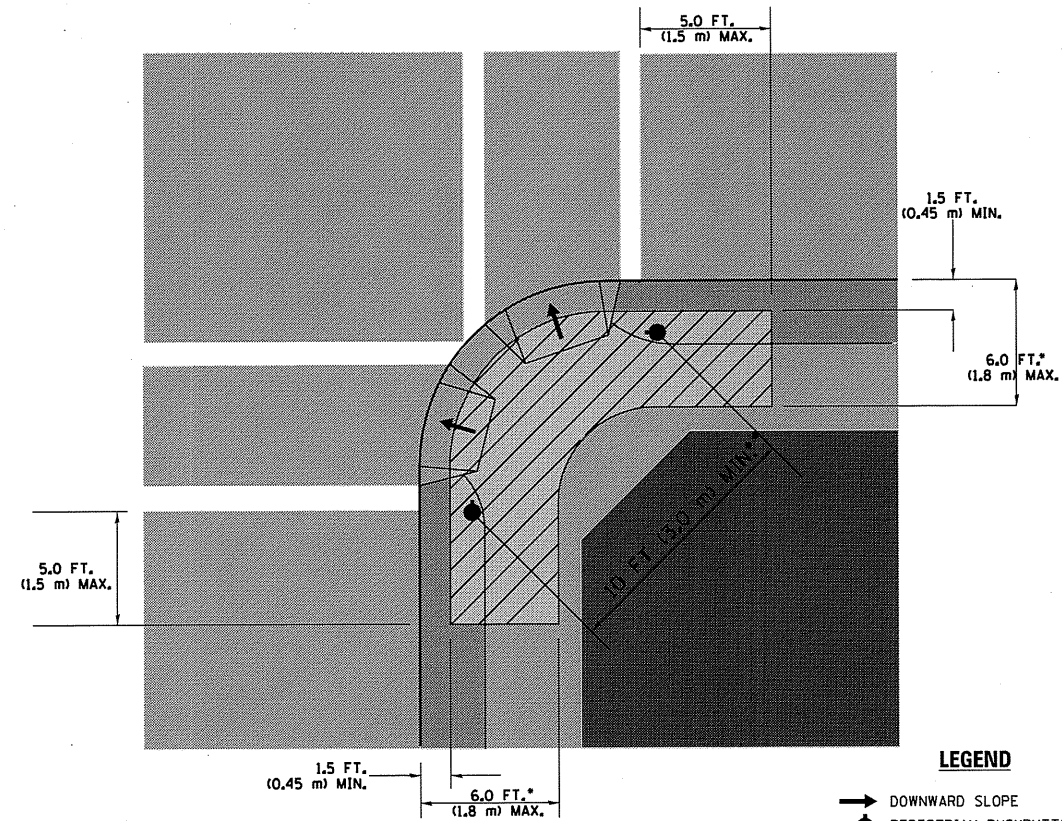
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

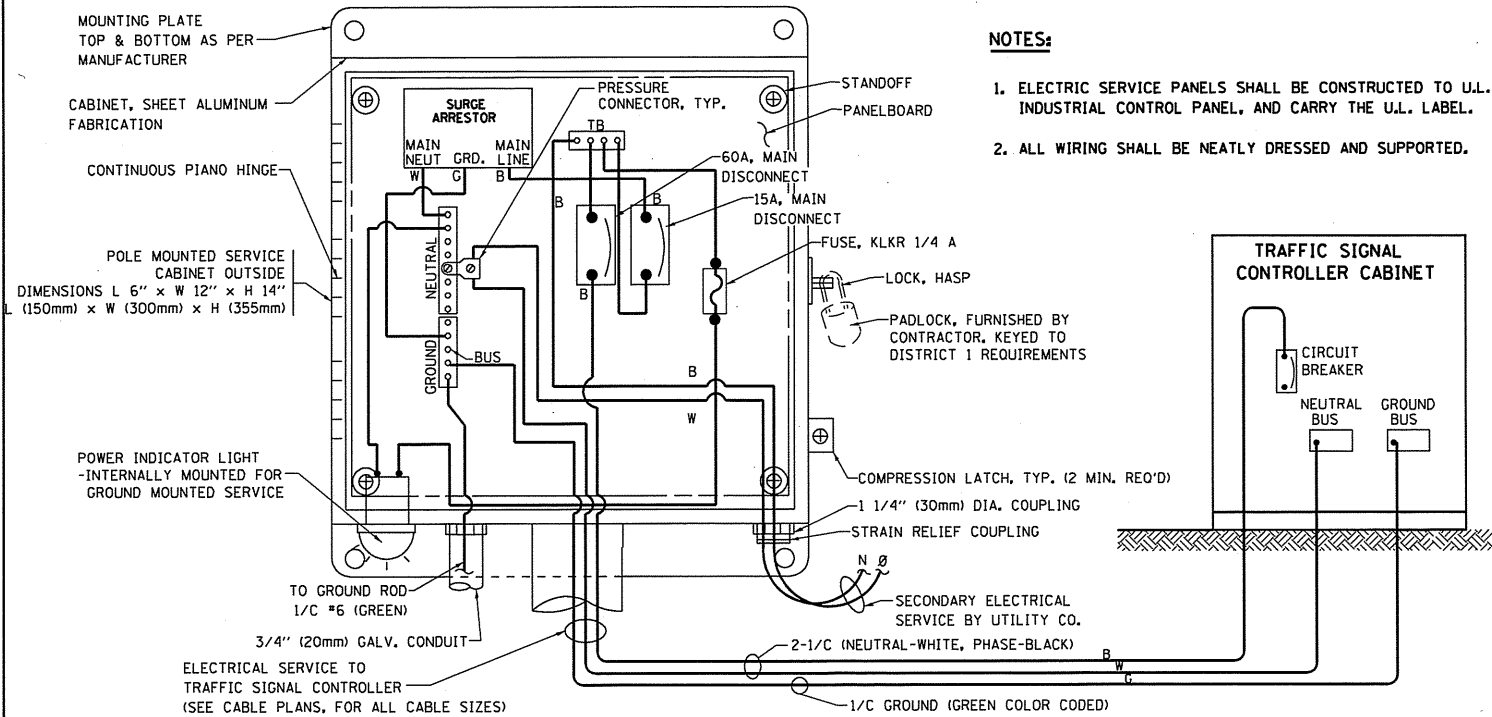
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

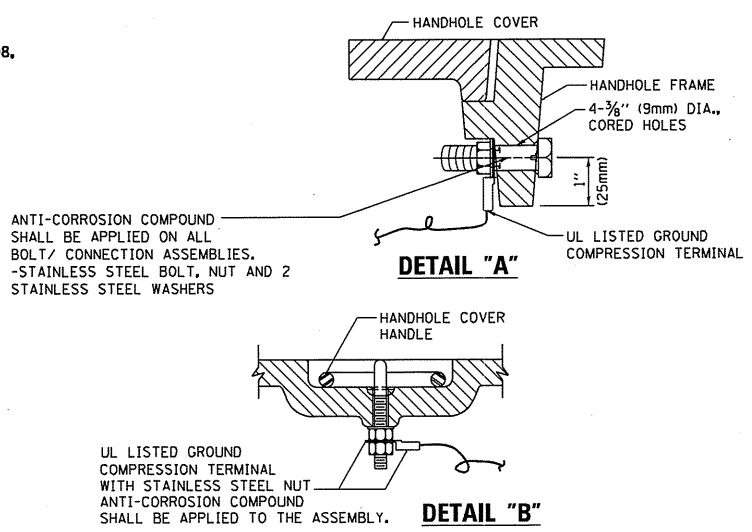
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

TS SHT NO. 3

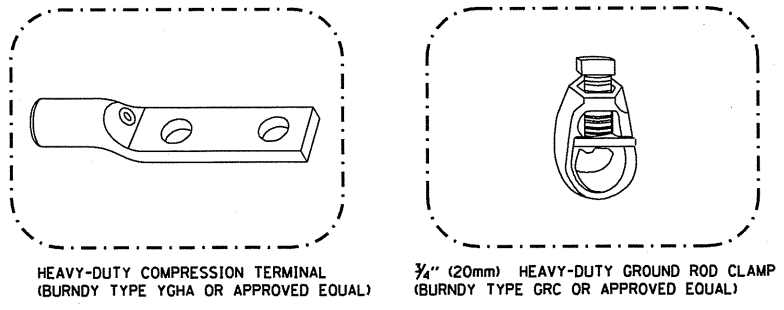
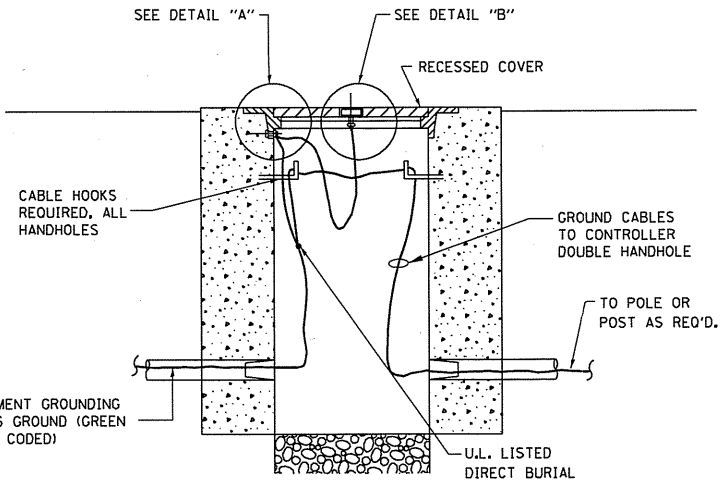
FILE NAME =	USER NAME = pccsachal	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE. = 365	SECTION = 60N-3	COUNTY = KANE	TOTAL SHEETS = 93	SHEET NO. = 78	
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PLOT SCALE = 1/8" = 1'-0"	CHECKED - DAD	REVISID -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
PLOT DATE = 10/17/2014	DATE - 10-28-09	REVISID -									



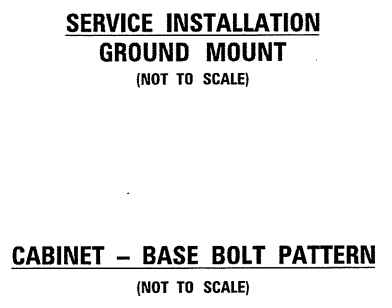
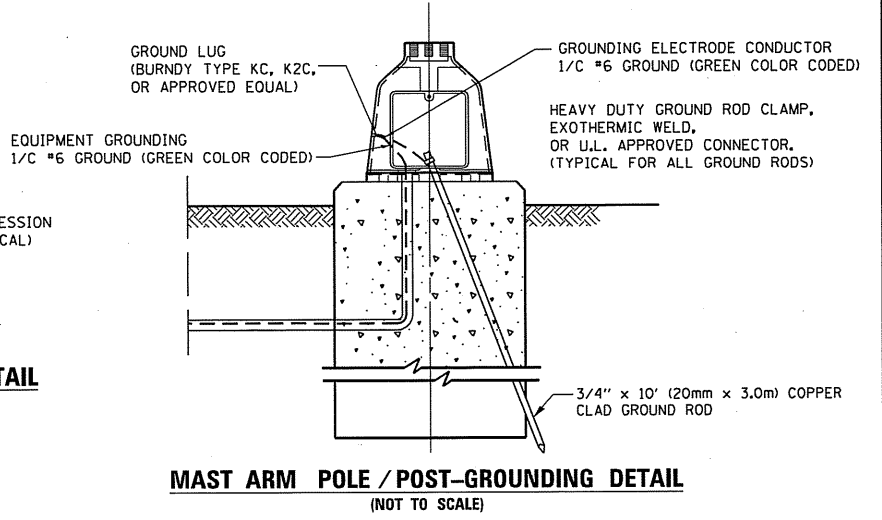
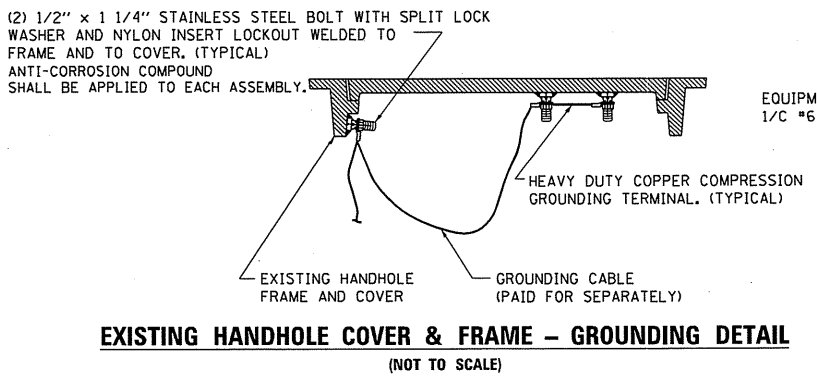
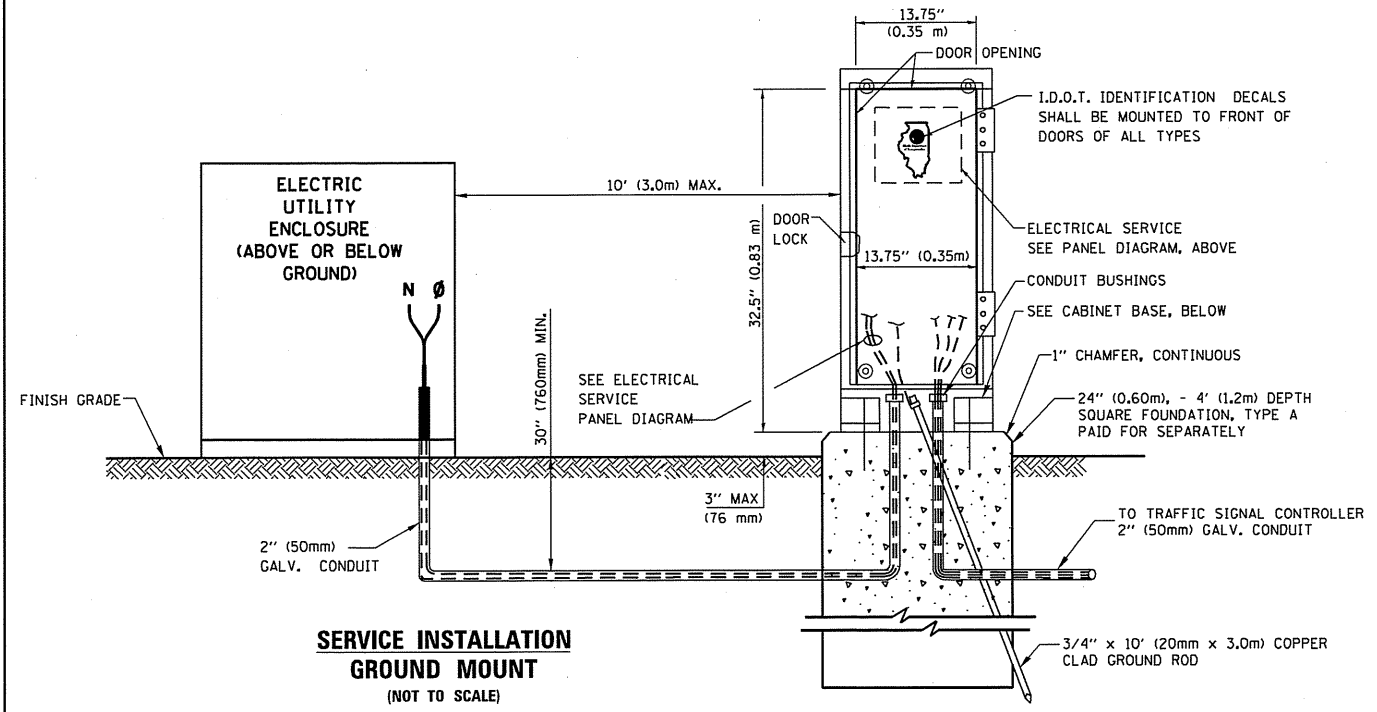
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



- NOTES:**
GROUNDING SYSTEM
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
 2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
 3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
 4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

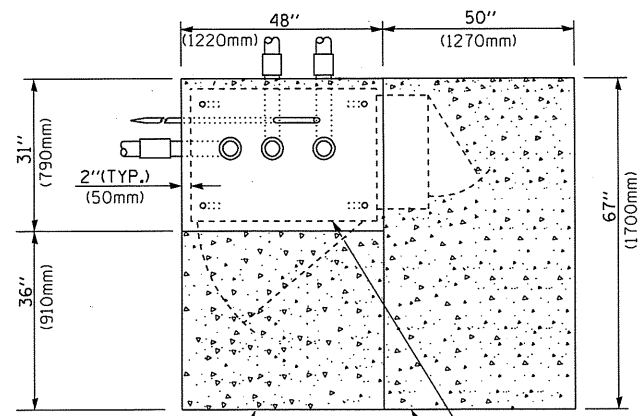


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
 - 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
 - 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
 - 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

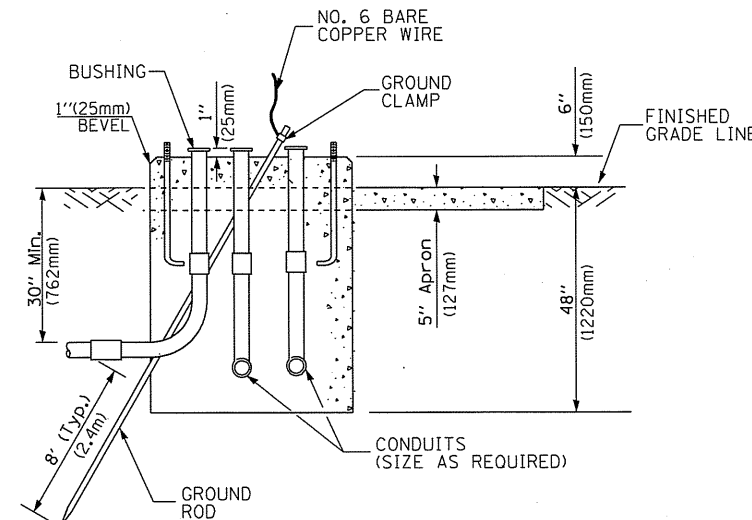


TS SHT NO. 4

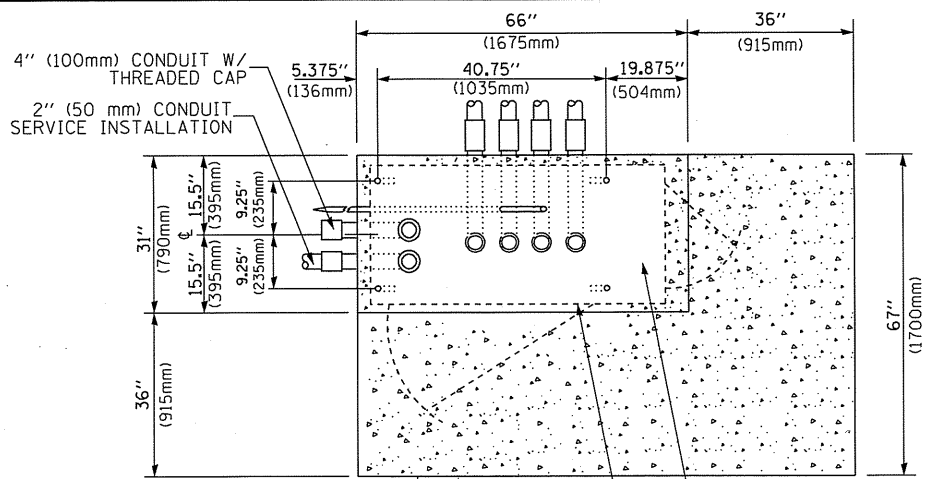
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ai:\pw\work\p\idat\poeiechal\0329977\PI	6309-shr-ts.dgn	DRAWN - BCK	REVISED -			365	60N-3	KANE	93	79
	PLOT SCALE = 100.0000 / in.	CHECKED - DAD	REVISED -			TS-05		CONTRACT NO. 60T23		
	PLOT DATE = 10/17/2014	DATE - 10-28-09	REVISED -			SCALE: NONE	SHEET NO. 4 OF 7 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



TOP VIEW

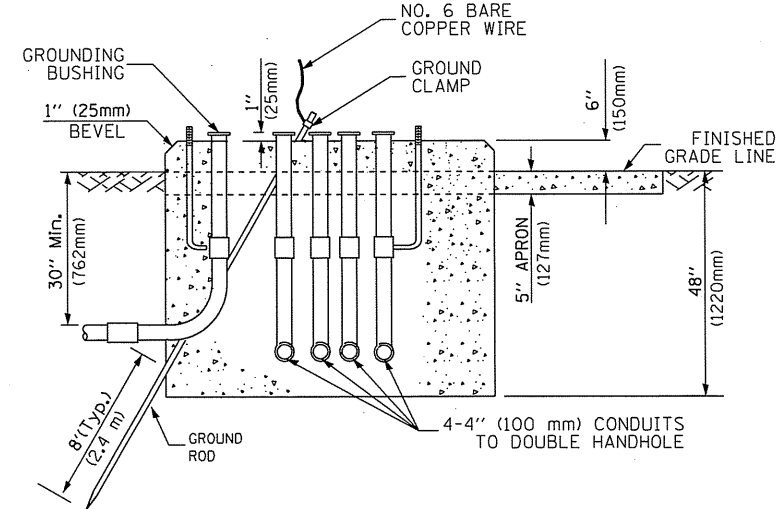


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

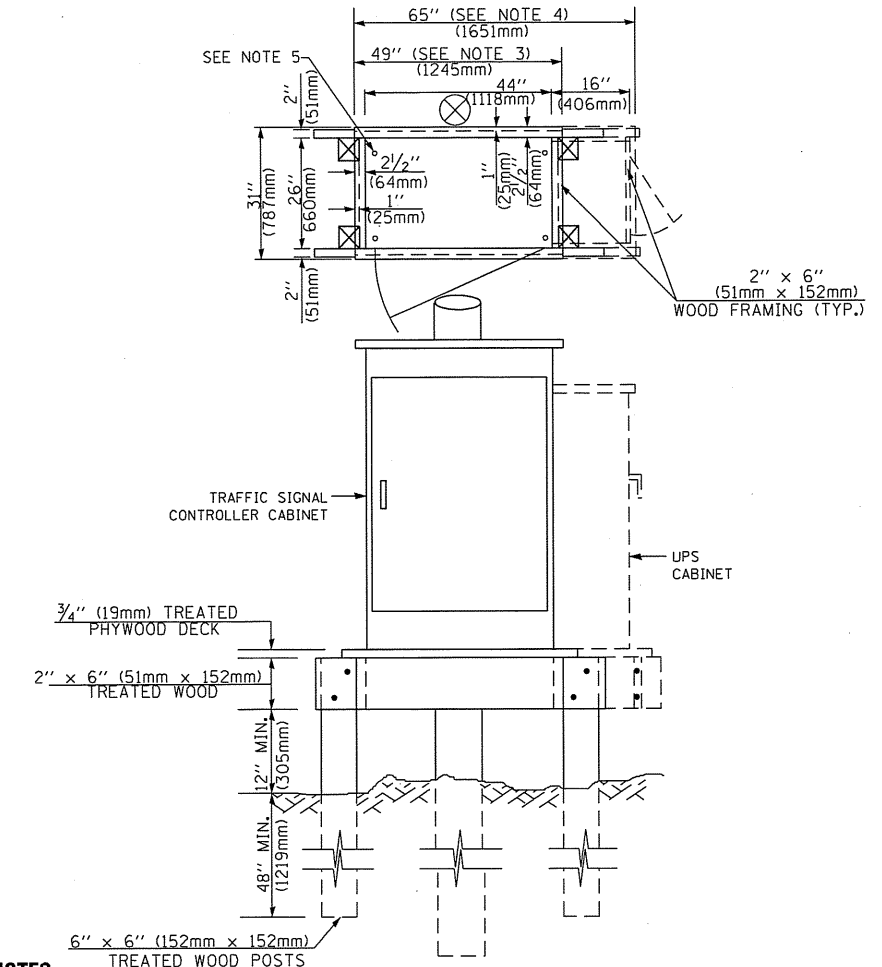


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

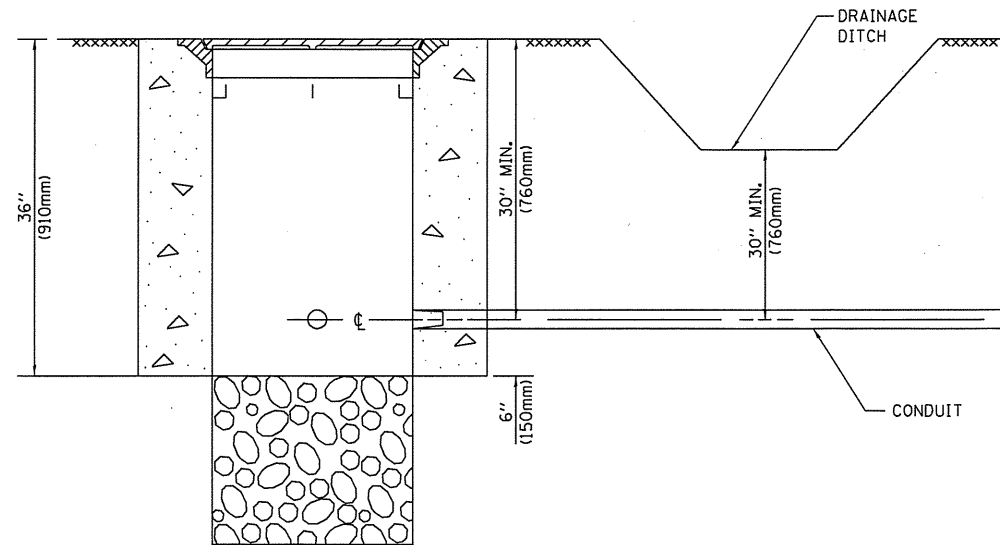
Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

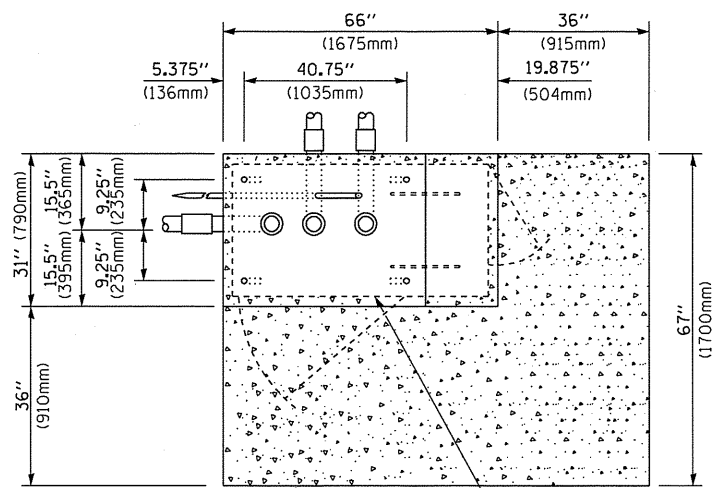
TS SHT NO. 5



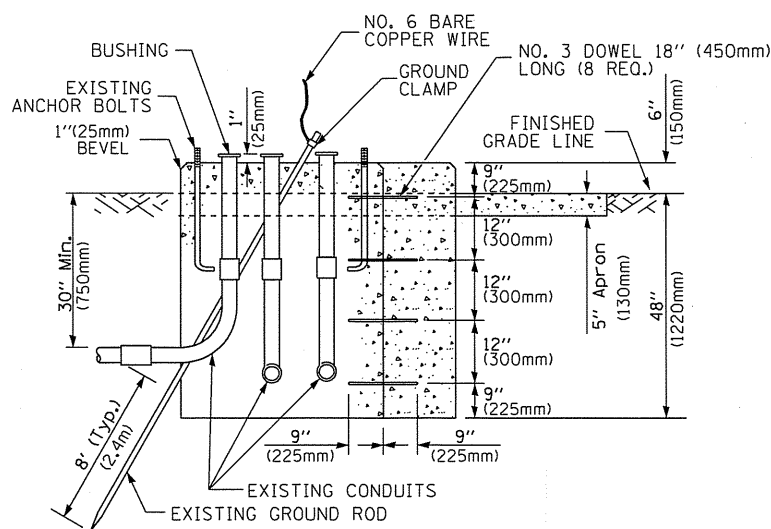
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

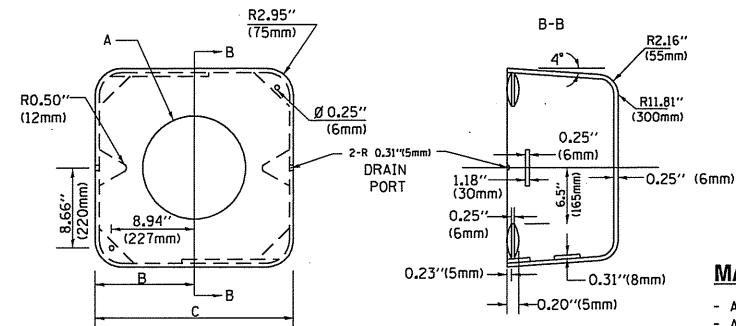
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)



MATERIAL:
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

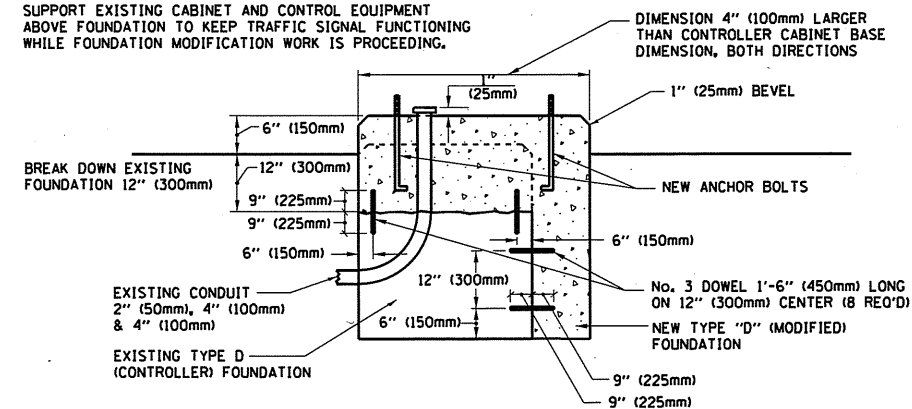
SHROUD

NOTES:

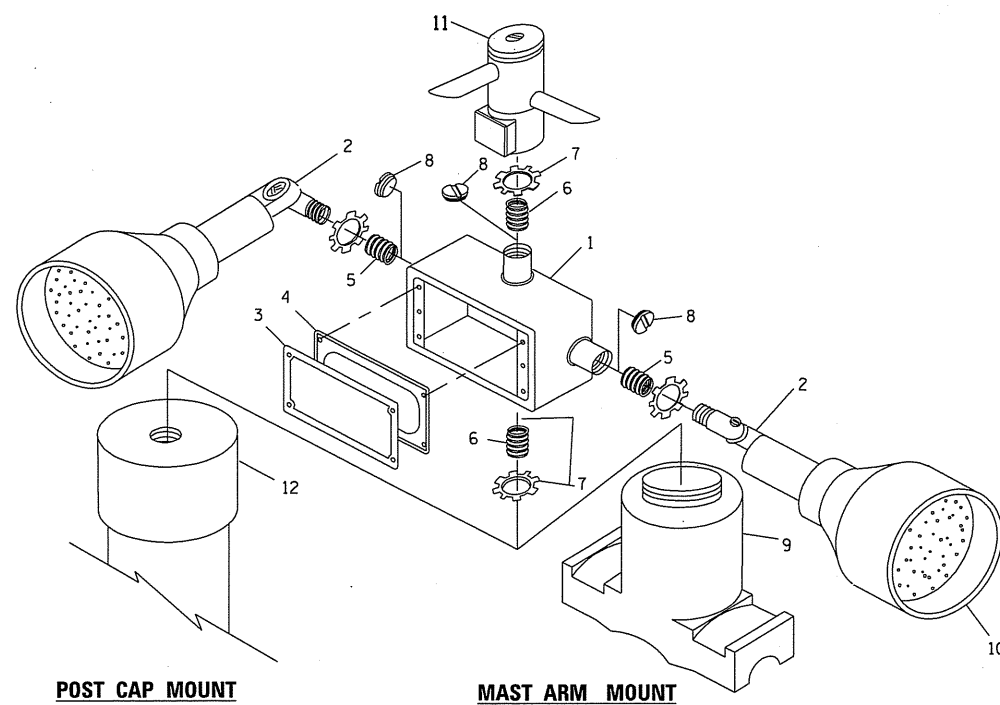
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



POST CAP MOUNT

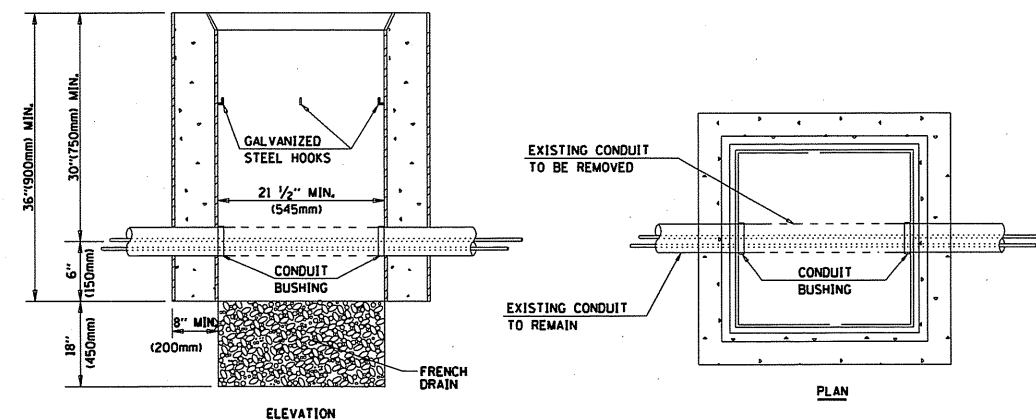
MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4"(19 mm) CLOSE NIPPLE
7	3/4"(19 mm) LOCKNUT
8	3/4"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS SHT NO. 6

FILE NAME =	USER NAME = pociechel	DESIGNED - DAD	REVISED - DAG 1-1-14
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PLOT SCALE = 100.0000 ' / in.		CHECKED - DAD	REVISED -
PLOT DATE = 10/17/2014		DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

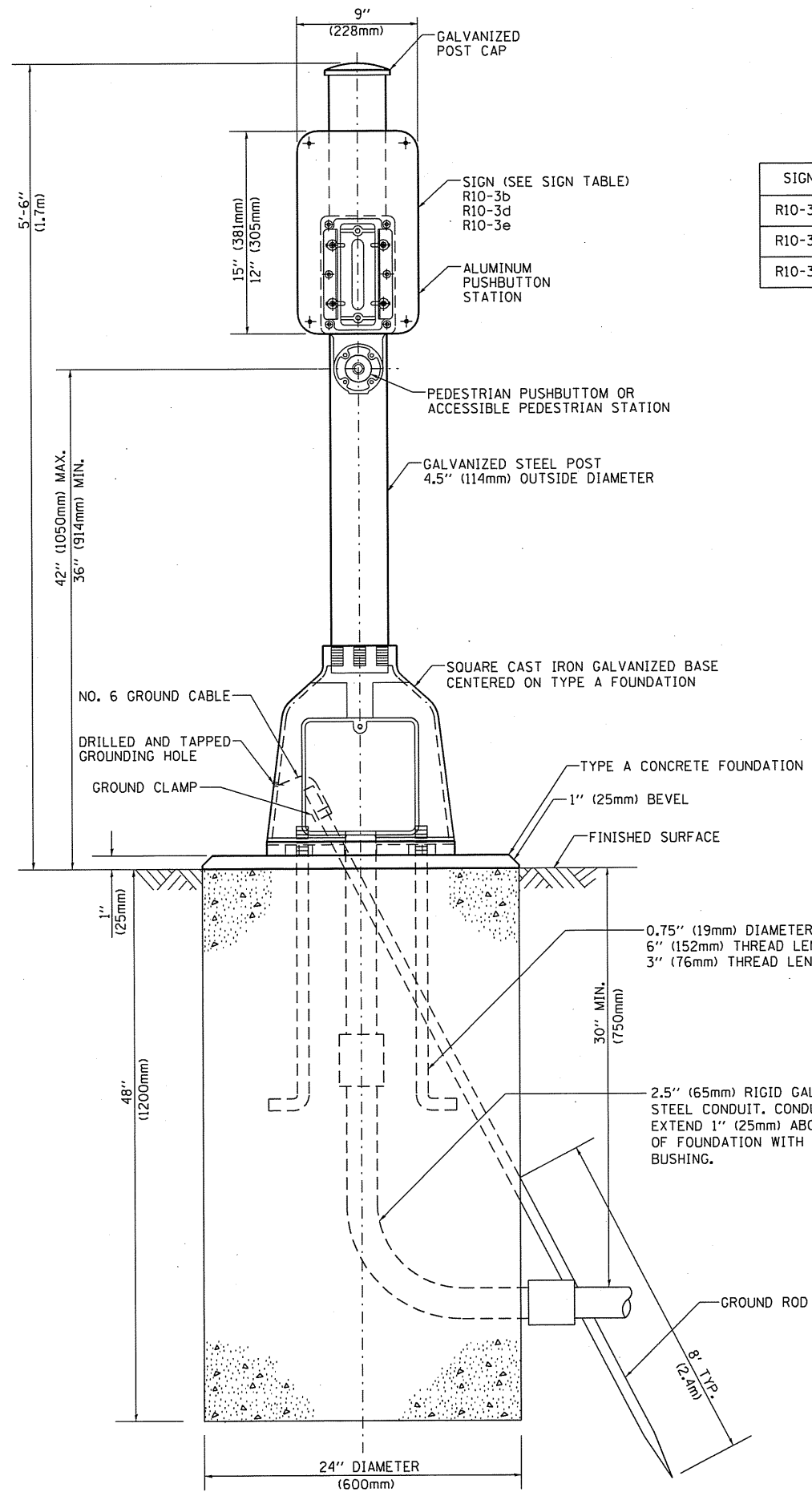
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SHEET NO. 6 OF 7 SHEETS

STA.

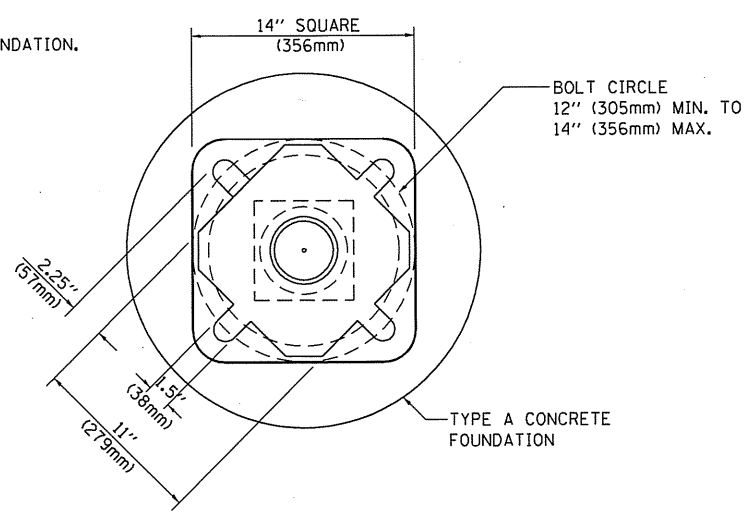
TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	81
TS-05			CONTRACT NO. 60T23	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SIGN TABLE

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

TS SHT NO. 7

FILE NAME =	USER NAME = poeiechel	DESIGNED - DAG	REVISED - DAG 1-1-14
c:\pwork\pwidot\poeiechel\d0329977\PI	6389-sht-ts.dgn	DRAWN - GND	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

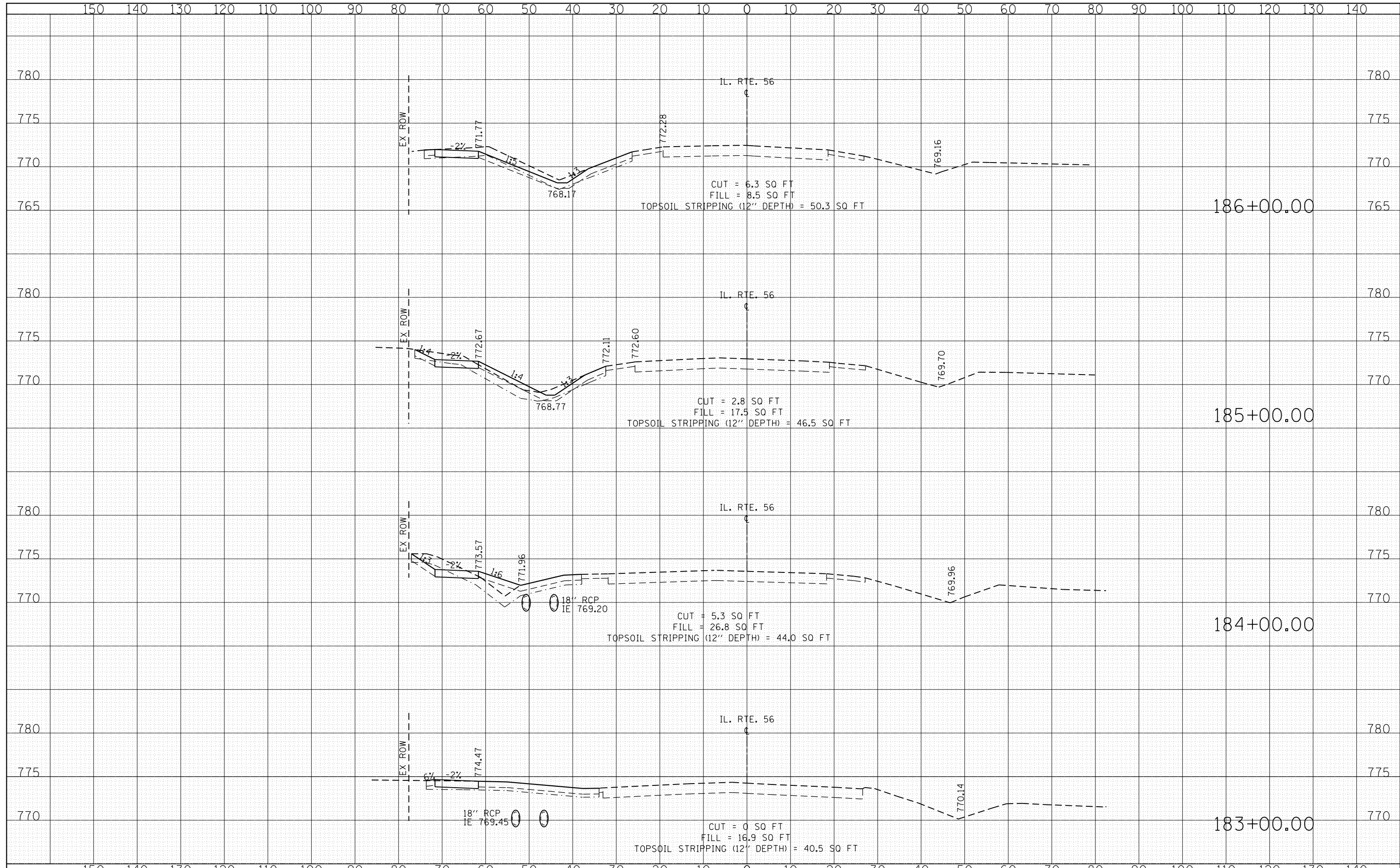
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05			CONTRACT NO. 60T23	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

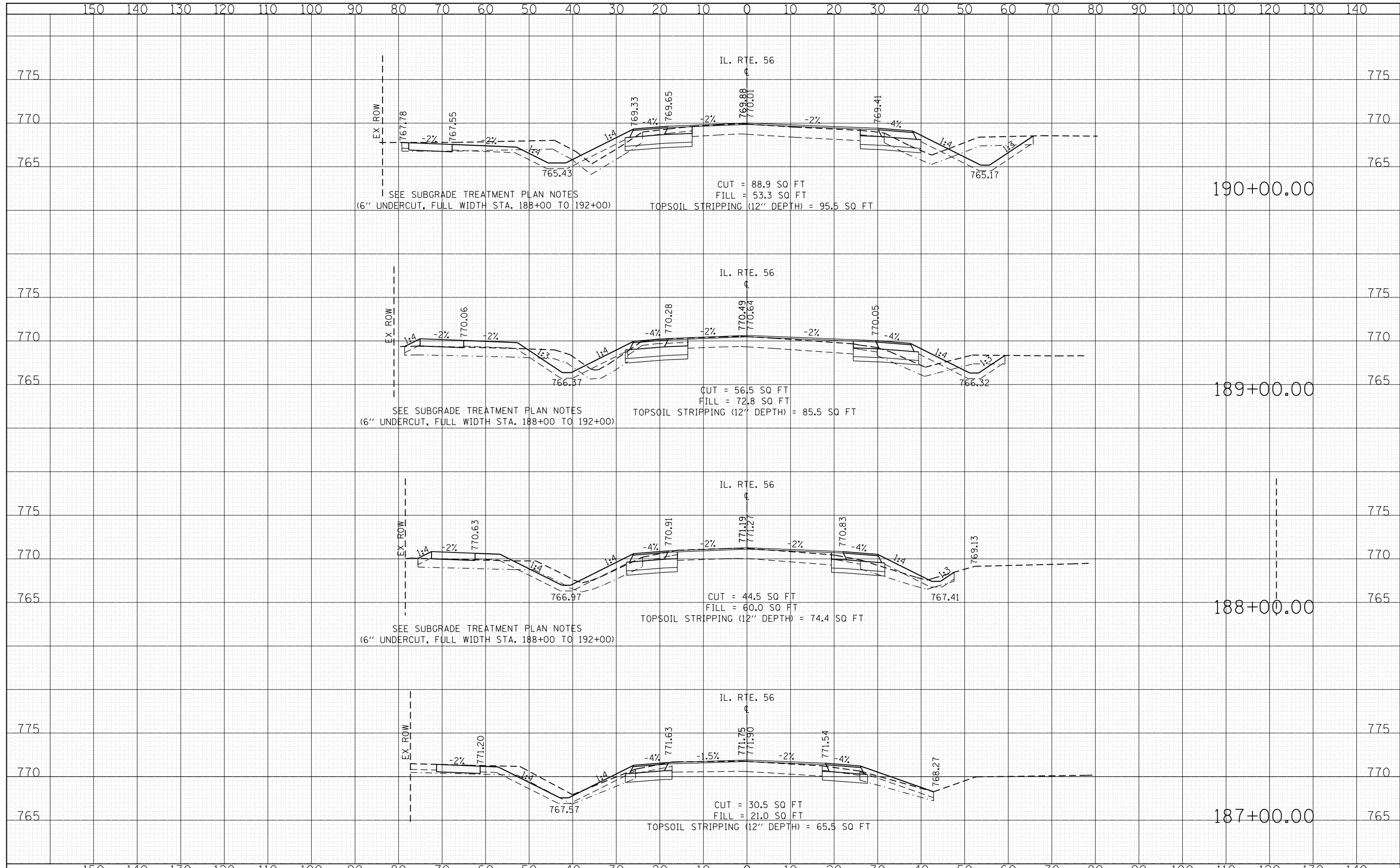
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BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

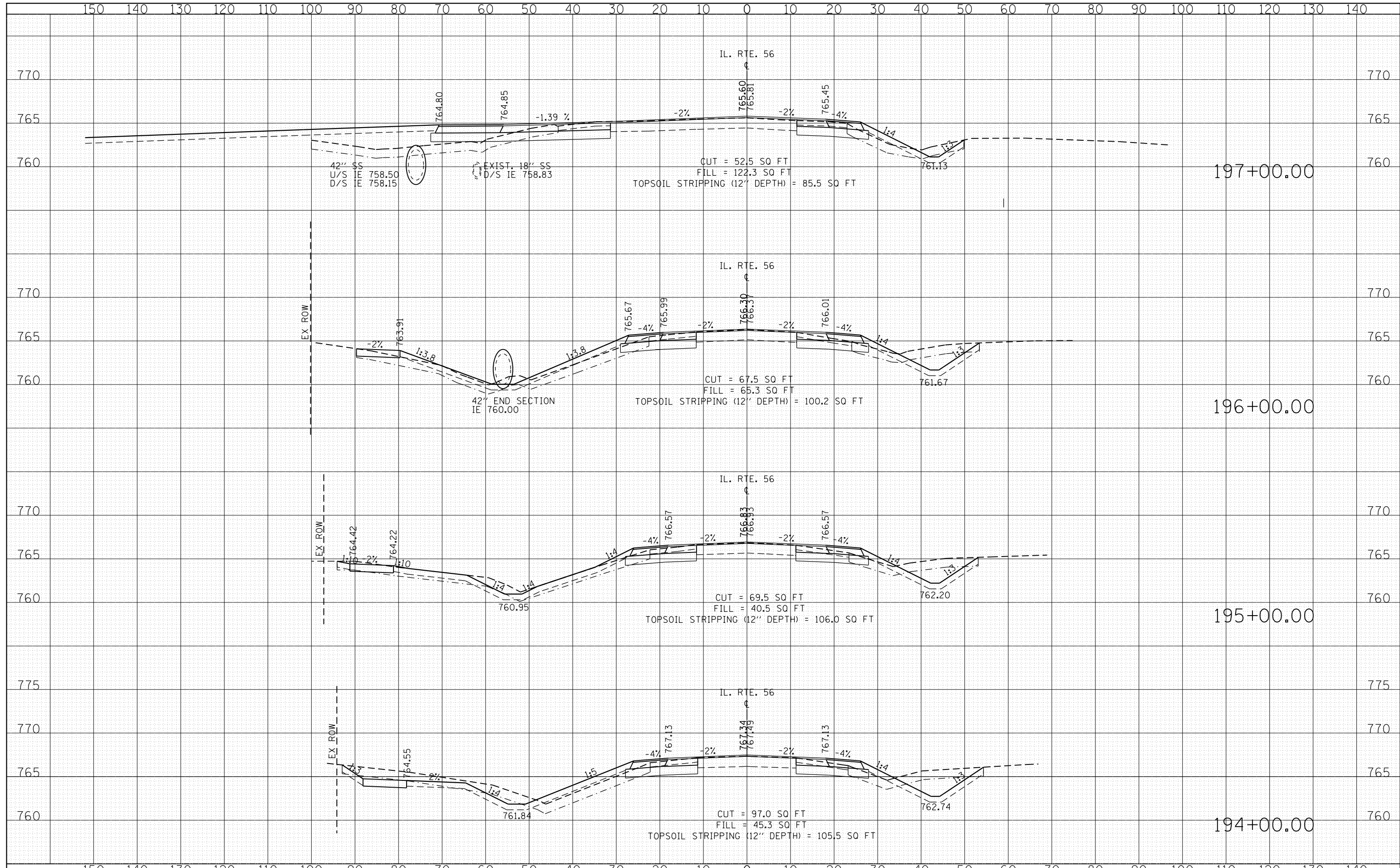
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BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	



FILE NAME =	USER NAME = shiranib	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 56 EXISTING & PROPOSED CROSS SECTIONS		F.A.P. RTE. 365	SECTION 60N-3	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 84
CONTRACT NO. 60T23	SCALE: SHEET OF SHEETS STA. 187+00.00 TO STA. 190+00.00	CONTRACT NO. 60T23	CONTRACT NO. 60T23		ILLINOIS FED. AID PROJECT						
CONTRACT NO. 60T23	CONTRACT NO. 60T23	CONTRACT NO. 60T23	CONTRACT NO. 60T23		CONTRACT NO. 60T23						
CONTRACT NO. 60T23	CONTRACT NO. 60T23	CONTRACT NO. 60T23	CONTRACT NO. 60T23		CONTRACT NO. 60T23						

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

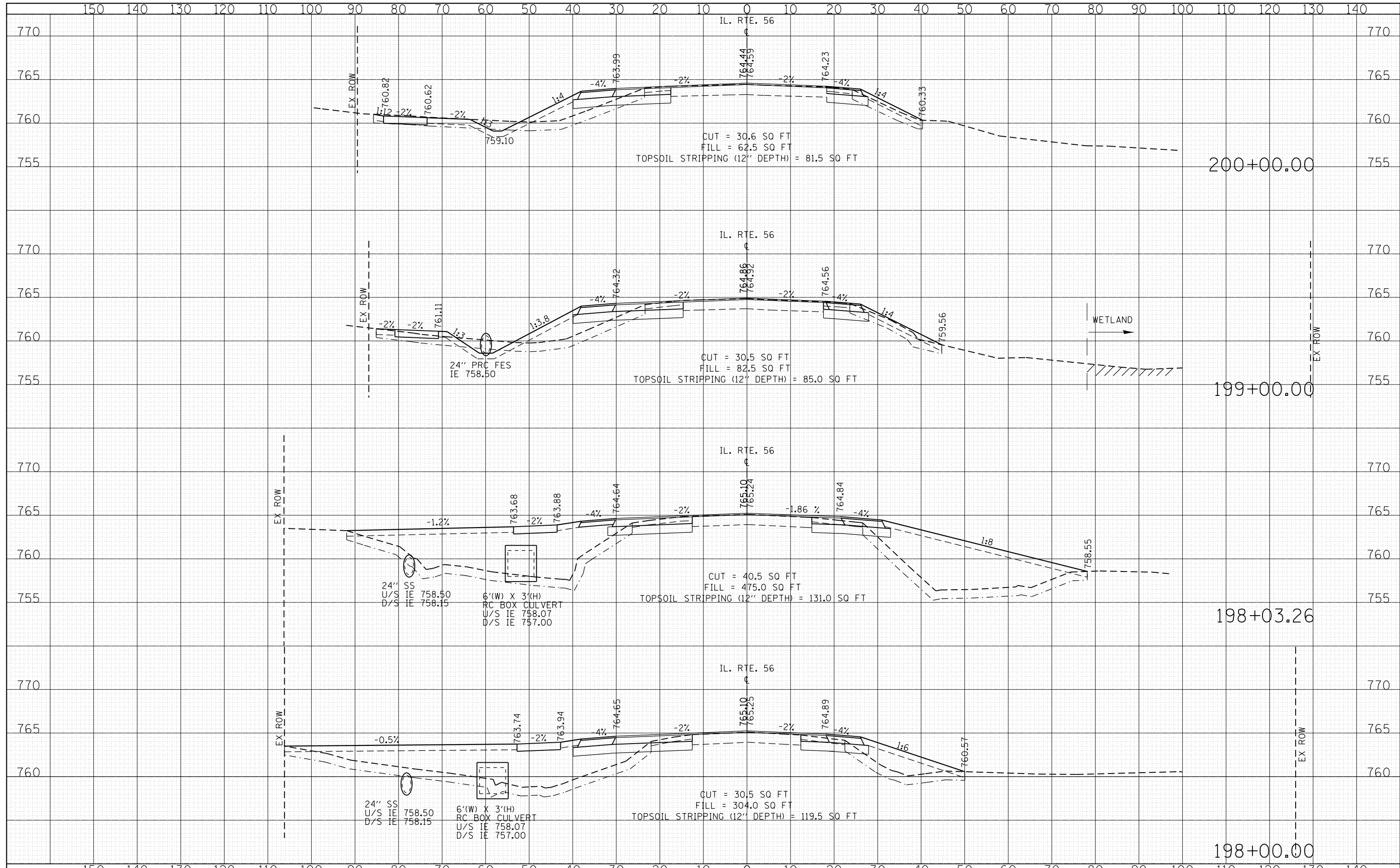
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BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 56 EXISTING & PROPOSED CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	DOT Offices\District 1\Projects\P145309\CAD\DRAWING\145309-sht-xxsht-IL56.OLD.dwg	CHECKED -	REVISED -			365	60N-3	KANE	93	86	
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	PLOT DATE = 10/18/2016		REVISED -			ILLINOIS FED. AID PROJECT					

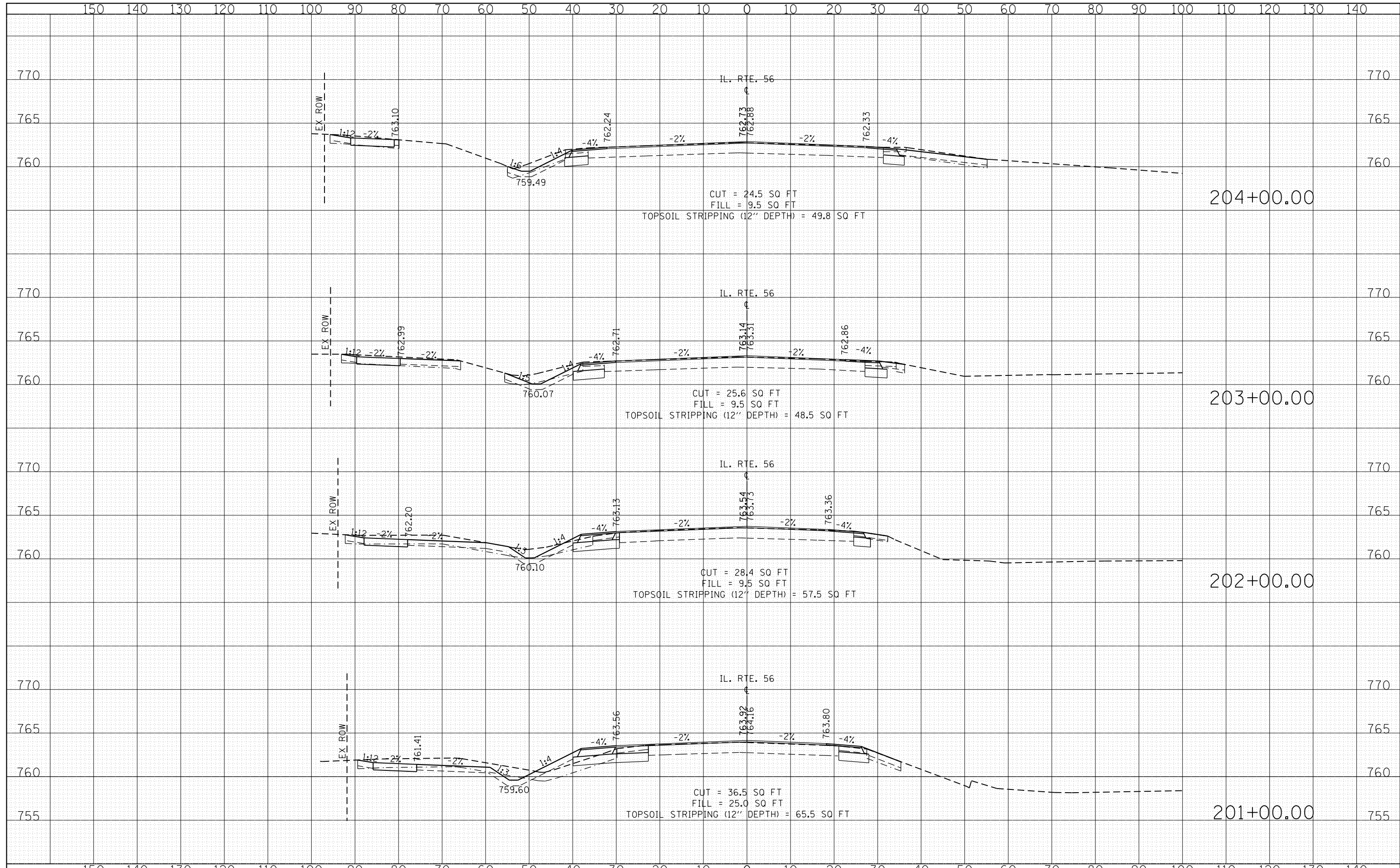
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BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



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

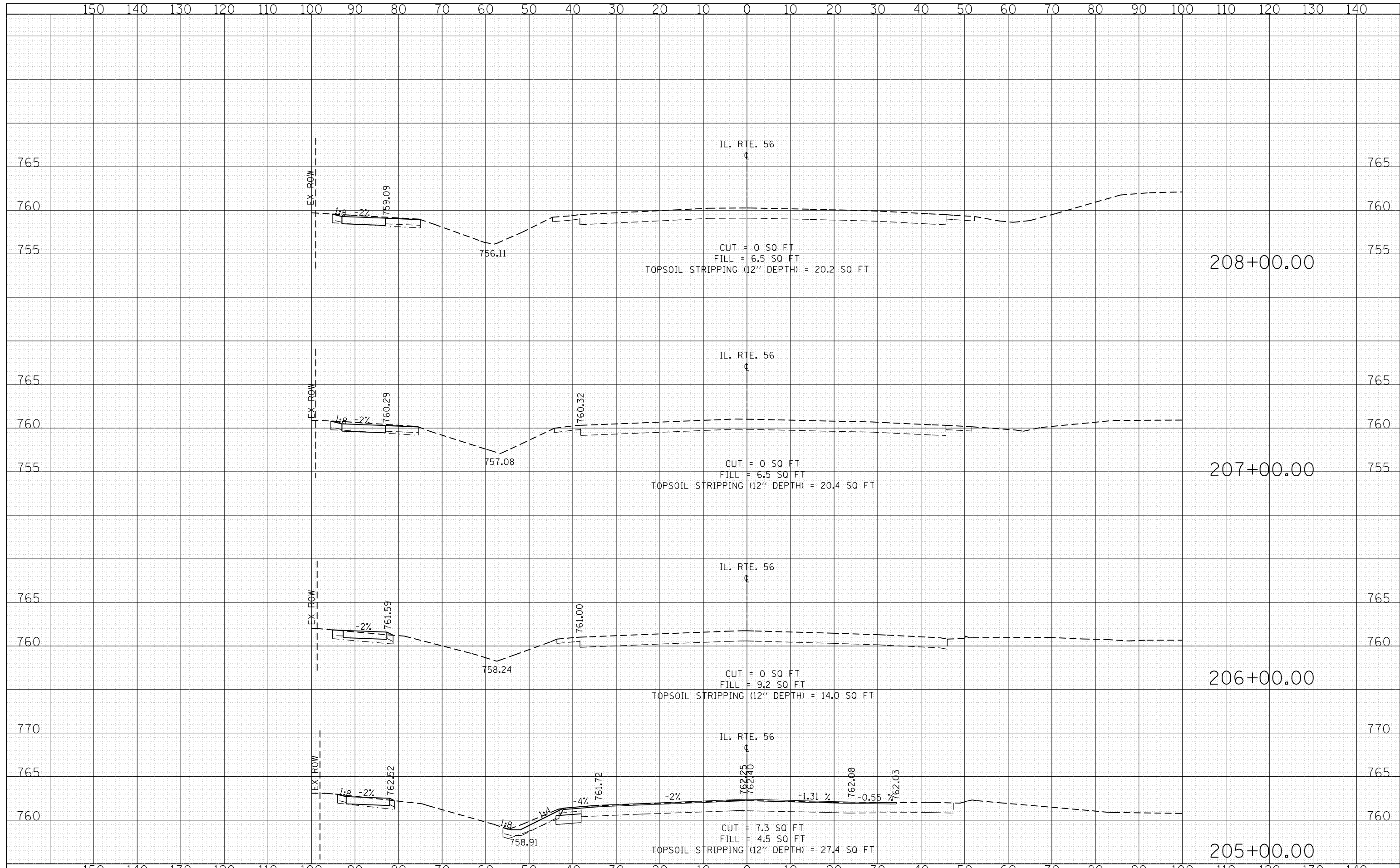
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BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 56 EXISTING & PROPOSED CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -			CONTRACT NO. 60T23			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 10/18/2016	DATE -	REVISIED -			SCALE:	SHEET	OF	SHEETS	STA. 201+00.00 TO STA. 204+00.00

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS	
CHECKED	
NO.	

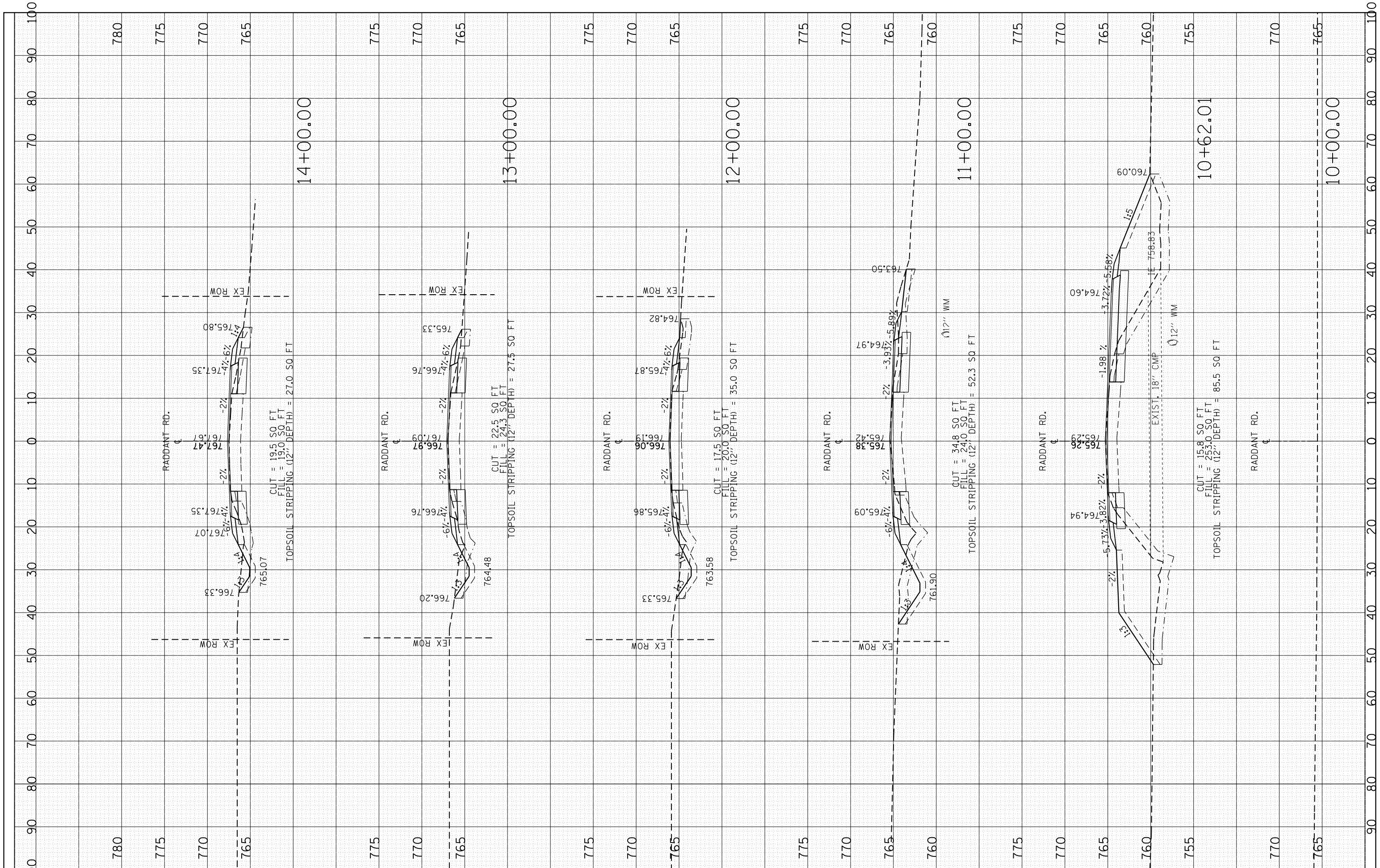
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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FILE NAME =	USER NAME = shiranib	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 56 EXISTING & PROPOSED CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	10/18/2016	CHECKED -	REVISED -			365	60N-3	KANE	93	89	
		DATE -	REVISED -			CONTRACT NO. 60T23					
						SCALE:	SHEET	OF	SHEETS	STA. 205+00.00	TO STA. 208+00.00

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		



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 USER NAME = shiranisb
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 10/18/2016

DESIGNED -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -

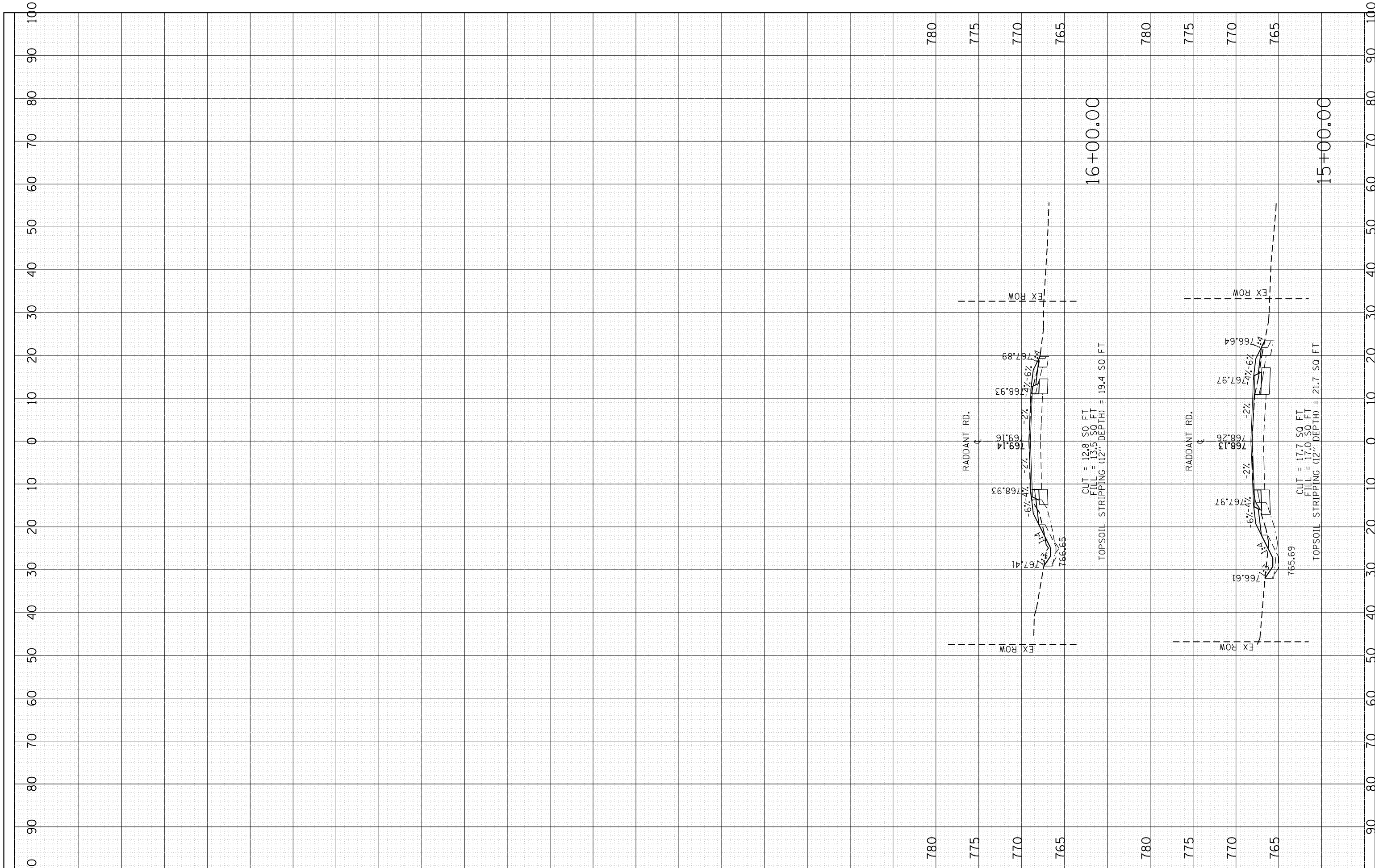
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

RADDANT ROAD
 EXISTING & PROPOSED CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 10+00.00 TO STA. 14+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	92
CONTRACT NO. 60T23				
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME =	USER NAME = shiranisb	DESIGNED -	REVISED -
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Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RADDANT ROAD
EXISTING & PROPOSED CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 15+00.00 TO STA. 16+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	60N-3	KANE	93	93
CONTRACT NO. 60T23				
ILLINOIS FED. AID PROJECT				