

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T	DUPAGE	40	1
		ILLINOIS	CONTRACT NO. 60Y98	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED  
IN THE CITY OF DARIEN

TRAFFIC DATA:

ADT 5,700 | YEAR 2012

SPEED LIMIT:

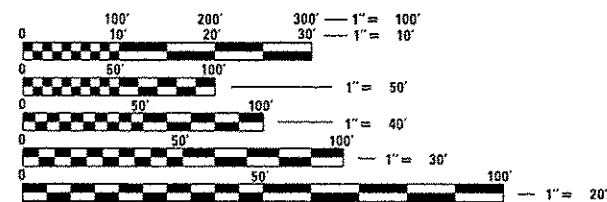
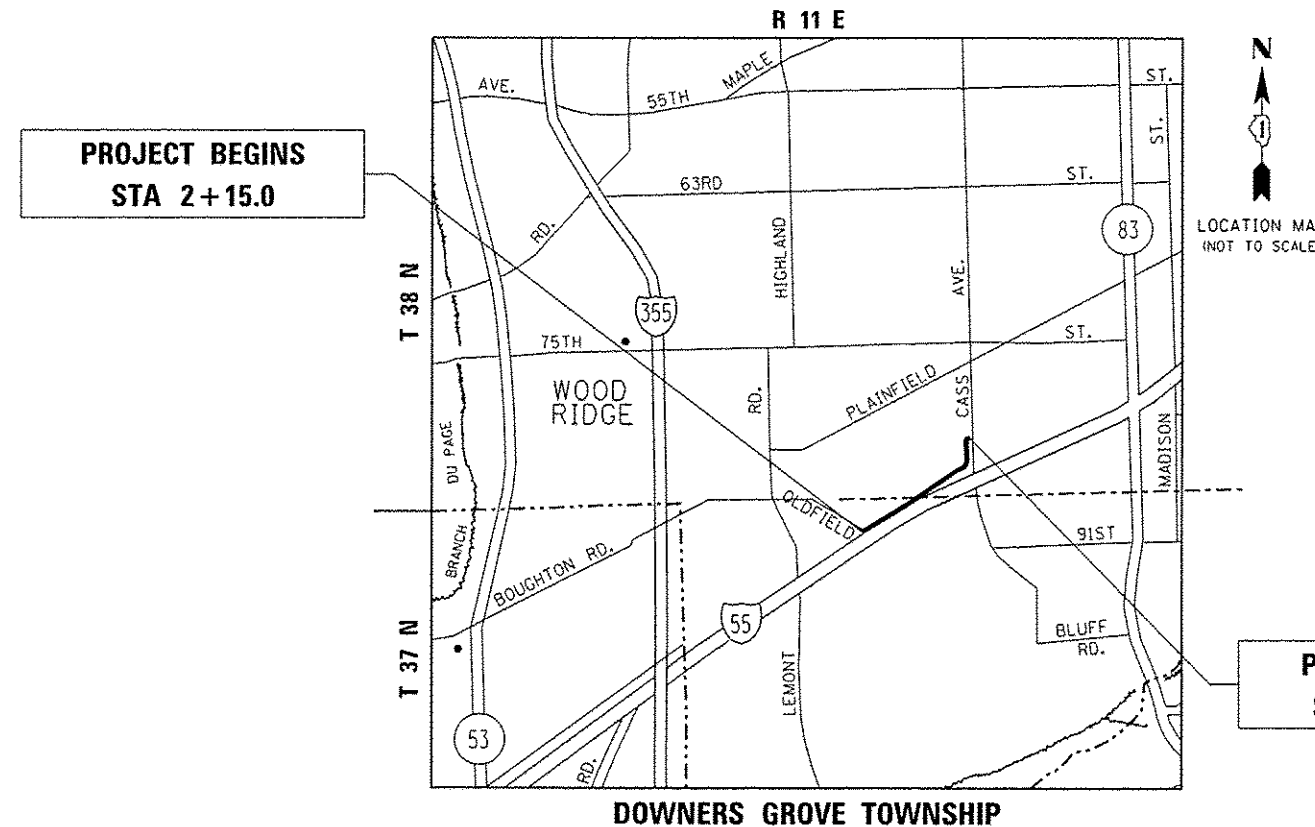
OLDFIELD RD TO BAILEY RD - 40 MPH (POSTED)

BAILEY RD TO CASS AVE - 35 MPH (POSTED)

PROPOSED  
HIGHWAY PLANS

FAI 55: I-55 NORTH FRONTAGE ROAD  
OLDFIELD ROAD TO CASS AVENUE  
SECTION: 2014-063-RS&T  
PROJECT: ACI-0055(456)  
RESURFACING (3P), PEDESTRIAN RAMPS, DRAINAGE  
DuPAGE COUNTY

C-91-045-15



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

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

PROJECT ENGINEER: KARI SMITH (847) 705-4437  
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 60Y98

GROSS AND NET LENGTH = 7,697 FT = 1.458 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED *Mary 19 20 16*

*John Furman*  
REGIONAL ENGINEER

*Julie M. Addis*  
ENGINEER OF DESIGN AND ENVIRONMENT

*Julie M. Addis*  
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

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**GENERAL NOTES (CONTINUED)**

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STANDARD NO.	DESCRIPTION
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
664001-02	CHAIN LINK FENCE
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-05	TRAFFIC CONTROL DEVICES
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

- ONE (1) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER ITEMS OF WORK TO EXISTING CURB AND GUTTER, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1V:3H.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF 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 ERIC CAMPOS, AREA TRAFFIC FIELD ENGINEER VIA E-MAIL AT ERIC.CAMPOS@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.
- ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING.
- FULL DEPTH SAWCUT OF REMOVAL ITEMS AS NOTED ON THE PLANS, SPECIFIED IN THE STANDARD SPECIFICATIONS, OR AS REQUIRED BY THE RESIDENT ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
- ALL PROPOSED SIDE CURB QUANTITIES ARE INCLUDED IN THE "PCC SIDEWALK 5 IN" AND SHALL BE PAID AS SUCH.
- WHEN EXISTING SIDEWALK IS TO BE REMOVED WITHOUT PROPOSED SIDEWALK REPLACEMENT, IT SHALL BE REPLACED WITH TOPSOIL AND SOD.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED INCLUDING PREVIOUSLY SEEDED AREAS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- LANDSCAPED AREAS AFFECTED BY SIDEWALK CONSTRUCTION SHALL BE RESTORED WITH 18-INCH WIDE STRIP OF "SODDING, SALT TOLERANT" AND "TOPSOIL FURNISH AND PLACE, 4-INCH" INSTALLED FROM THE BACK OF THE SIDEWALK, OR AS DETERMINED BY THE RESIDENT ENGINEER/TECHNICIAN.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF CURB OR DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
- THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENT FIRM TO CONTINUOUSLY MONITOR FOR WORKER SAFETY AND SOIL CONTAMINATION AT SEVERAL LOCATIONS. SEE SPECIAL PROVISION AND SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DETECTOR LOOPS DAMAGED DURING CONSTRUCTION.

**GENERAL NOTES**

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF DARIEN
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL CONTACT DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE RESIDENT ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.

**STATE STANDARDS**

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-02	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
424026-01	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542546-01	FLUSH INLET BOX FOR MEDIAN

FILE NAME =	USER NAME = Velsokovvv	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-55 NORTH FRONTAGE ROAD - OLDFIELD RD TO CASS AVE INDEX OF SHEETS, STATE STANDARDS &amp; GENERAL NOTES</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
g:\IL084EBID\INTEG.illinois.gov\41001\Do	Documents\100T_Offices\District 1\Projects\01B	CHECKED -	REVISED -			55	2014-063-RS&T	DuPAGE	40	2
Default	PLT SCALE = 100.0000' / in.	DATE	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE	0044 80% FED 20% STATE				
X1200095	GRATING FOR CONCRETE FLARED END SECTION 18"	EACH	4		4				
X1200076	GRATING FOR CONCRETE FLARED END SECTION 21"	EACH	1		1				
20101000	TEMPORARY FENCE	FOOT	80		80				
20200100	EARTH EXCAVATION	CU YD	189	15	174				
20800150	TRENCH BACKFILL	CU YD	36		36				
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	50		50				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	329	96	233				
21400100	GRADING AND SHAPING DITCHES	FOOT	450		450				
25000210	SEEDING, CLASS 2A	ACRE	0.14		0.14				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	15	2.3	12.7				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	15	2.3	12.7				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	15	2.3	12.7				
25100630	EROSION CONTROL BLANKET	SO YD	682		682				
25200110	SODDING, SALT TOLERANT	SO YD	106	106					
25200200	SUPPLEMENTAL WATERING	UNIT	8	5	3				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE	0044 80% FED 20% STATE				
28000305	TEMPORARY DITCH CHECKS	FOOT	100		100				
28000400	PERIMETER EROSION BARRIER	FOOT	25		25				
28000510	INLET FILTERS	EACH	1		1				
28100107	STONE RIPRAP, CLASS A4	SO YD	144		144				
28200200	FILTER FABRIC	SO YD	144		144				
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	37		37				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	17570	17570					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	42	42					
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), [L-4.75, NS0	TON	941	941					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	312	312					
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "0", N70	TON	2340	2340					
42001300	PROTECTIVE COAT	SO YD	370	370					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	1445	1445					

B

\* = SPECIALTY ITEMS

FILE NAME =	USER NAME = yehnam	DESIGNED -	REVISED -
OFFICE/DIR/PROJECT/DIV/SECTION/DATE	CHECKED -	REVISED -	REVISED -
PLOT SCALE = 800,000 / in	DATE -	REVISED -	REVISED -
PLOT DATE = 5/20/2016			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-55 NORTH FRONTAGE ROAD - OLDFIELD RD TO CASS AVE  
SUMMARY OF QUANTITIES

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T	DUPAGE	40	3
FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 60Y98				

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

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE	0044 80% FED 20% STATE				
42400800	DETECTABLE WARNINGS	SO FT	142	142					
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	5410	5410					
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	22390	22390					
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	37		37				
44000600	SIDEWALK REMOVAL	SO FT	1445	1445					
44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SO YD	178		178				
44201823	CLASS D PATCHES, TYPE I, 15 INCH	SO YD	10	10					
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SO YD	20	20					
44201831	CLASS D PATCHES, TYPE III, 15 INCH	SO YD	25	25					
44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SO YD	1103	1103					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	16	16					
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2		2				
54213666	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH	1		1				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE	0044 80% FED 20% STATE				
54214713	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 18"	EACH	2		2				
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	1		1				
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	80		80				
542A0226	PIPE CULVERTS, CLASS A, TYPE 1 21"	FOOT	75		75				
542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	30		30				
55100700	STORM SEWER REMOVAL 15"	FOOT	22		22				
55100900	STORM SEWER REMOVAL 18"	FOOT	61		61				
60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1					
60255500	MANHOLES TO BE ADJUSTED	EACH	3		3				
60260100	INLETS TO BE ADJUSTED	EACH	2	2					
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1					
66400205	CHAIN LINK FENCE, 5'	FOOT	40		40				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	200	25	175				
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	0.1	0.9			* = SPECIALTY	ITEMS

FILE NAME :	USER NAME : VelloMarr	DESIGNED -	REVISED -
Office: District 1 Project: 0045/5-CAD0000-Design-0045-00000000	PLT SCALE : 1000000 1" = 1M	CHECKED -	REVISED -
	PLT DATE : 5/20/2016	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-55 NORTH FRONTAGE ROAD - OLDFIELD RD TO CASS AVE  
SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T	DuPAGE	40	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y98	

URBAN

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SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE	0044 80% FED 20% STATE		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	2	1		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	5	1		
67100100	MOBILIZATION	LSUM	1	0.8	0.2		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	1			
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	LSUM	1	1			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	0.8	0.2		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1			
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	0.8	0.2		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4900	4900			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	1640	1640			
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	40	40			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	23300	23300			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	255	255			

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE	0044 80% FED 20% STATE		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1050	1050			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	140	140			
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2		2		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	40	40			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	23300	23300			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	255	255			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1050	1050			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	140	140			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	190	190			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	180	180			
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1			
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	156	156			

\* = SPECIALTY ITEMS

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0044 80% FED 20% STATE					0005 80% FED 20% STATE		0044 80% FED 20% STATE			
89502376	REBUILD EXISTING HANDHOLE	EACH	1	1											
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	4		4										
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	8	8											
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	1		1										
△ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	80	80											
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	2	2											
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	135	135											
Z0013798	CONSTRUCTION LAYOUT	LSUM	1		1										
△ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	2	2											
Z0022800	FENCE REMOVAL	FOOT	40		40										
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	52	52											

\* = SPECIALTY ITEMS  
△ = NON-PARTICIPATING WORK (100% STATE)

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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Office\Staff\1st\Projects\DRHS\SCAD\Design\0443		CHECKED -	REVISED -
PLOT SCALE = 100.0000' / 1"		DATE -	REVISED -
PLOT DATE = 5/20/2016			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-55 NORTH FRONTAGE ROAD - OLDFIELD RD TO CASS AVE  
SUMMARY OF QUANTITIES

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
			55	2014-063-RS&T	DuPAGE	40 6
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
55	2014-063-RS&T	DuPAGE	40 6
			CONTRACT NO. 60Y98

CROSS STREET	QUADRANT	RAMP	20200100	21101615	25000400	25000500	25000600	25200110	25200200	42001300	42400200	42400800	44000600	60250200	60260100	60265700	85000200	89502376	Z0004562
			EARTH EXCAVATION CU YD	TOPSOIL FURNISH AND PLACE, 4" SQ YD	NITROGEN FERTILIZER NUTRIENT POUND	PHOSPHORUS FERTILIZER NUTRIENT POUND	POTASSIUM FERTILIZER NUTRIENT POUND	SODDING, SALT TOLERANT SQ YD	SUPPLEMENTAL WATERING UNIT	PROTECTIVE COAT SQ YD	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH SQ FT	DETECTABLE WARNINGS SQ FT	SIDEWALK REMOVAL SQ FT	CATCH BASINS TO BE ADJUSTED EACH	INLETS TO BE ADJUSTED EACH	VALVE VAULTS TO BE ADJUSTED EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH	REBUILD EXISTING HANDHOLE EACH	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT FOOT
OLDFIELD ROAD	NE		2.3 <sup>1</sup>	15.0	0.3	0.3	0.3	16.5	0.7	25	225	10	225			1			0
CARLISLE COURT	NW		1.5	10.0	0.2	0.2	0.2	11.0	0.5	32	150	10	150						10
CARLISLE COURT	NE		0.5	3.3	0.1	0.1	0.1	3.7	0.2	21	50	10	50						10
CARRIAGE GREEN DRIVE	NW		1.0	6.7	0.1	0.1	0.1	7.3	0.3	27	100	10	100		1				10
CARRIAGE GREEN DRIVE	NE		1.0	6.7	0.1	0.1	0.1	7.3	0.3	27	100	10	100		1				10
CURB RAMP AT STA 38+50			1.3	8.3	0.2	0.2	0.2	9.2	0.4	30	125	10	125						10
CURB RAMP AT STA 44+70			1.3	8.3	0.2	0.2	0.2	9.2	0.4	30	125	10	125						10
EVERGREEN LANE	NW		1.0	6.7	0.1	0.1	0.1	7.3	0.3	27	100	10	100						10
EVERGREEN LANE	NE		0.5	3.3	0.1	0.1	0.1	3.7	0.2	21	50	10	50	1					10
BAILEY ROAD	NW		0.9	5.7	0.1	0.1	0.1	6.2	0.3	22	85	8	85						8
BAILEY ROAD	NE		1.1	7.5	0.2	0.2	0.2	8.3	0.4	28	113	10	113						10
BAILEY ROAD	SW	NORTH	QUANTITIES ARE COMBINED WITH THE RAMP BELOW																
BAILEY ROAD	SW	EAST	0.6	4.3	0.1	0.1	0.1	4.7	0.2	32	64	16	64						16
BAILEY ROAD	SE		0.6	3.7	0.1	0.1	0.1	4.1	0.2	19	56	8	56						8
CASS AVENUE	NW		1.0	6.7	0.1	0.1	0.1	7.3	0.3	27	100	10	100				1	1	10
SUB-TOTAL =			14.4	96.2	2.0	2.0	2.0	105.8	4.8	369.3	1442.5	142.0	1442.5	1	2	1	1	1	132.0
DRAINAGE IMPROVEMENT			174.0	233.0	12.7	12.7	12.7		3.4										

<sup>1</sup> = AMOUNT OF SURPLUS MATERIAL RESULTING FROM GRADING AND SHAPING THE SUBGRADE DUE TO PROPOSED SIDEWALK ELEVATION CHANGE. DOES NOT INCLUDE TOPSOIL (TYP FOR ALL PROPOSED CURB RAMPS)

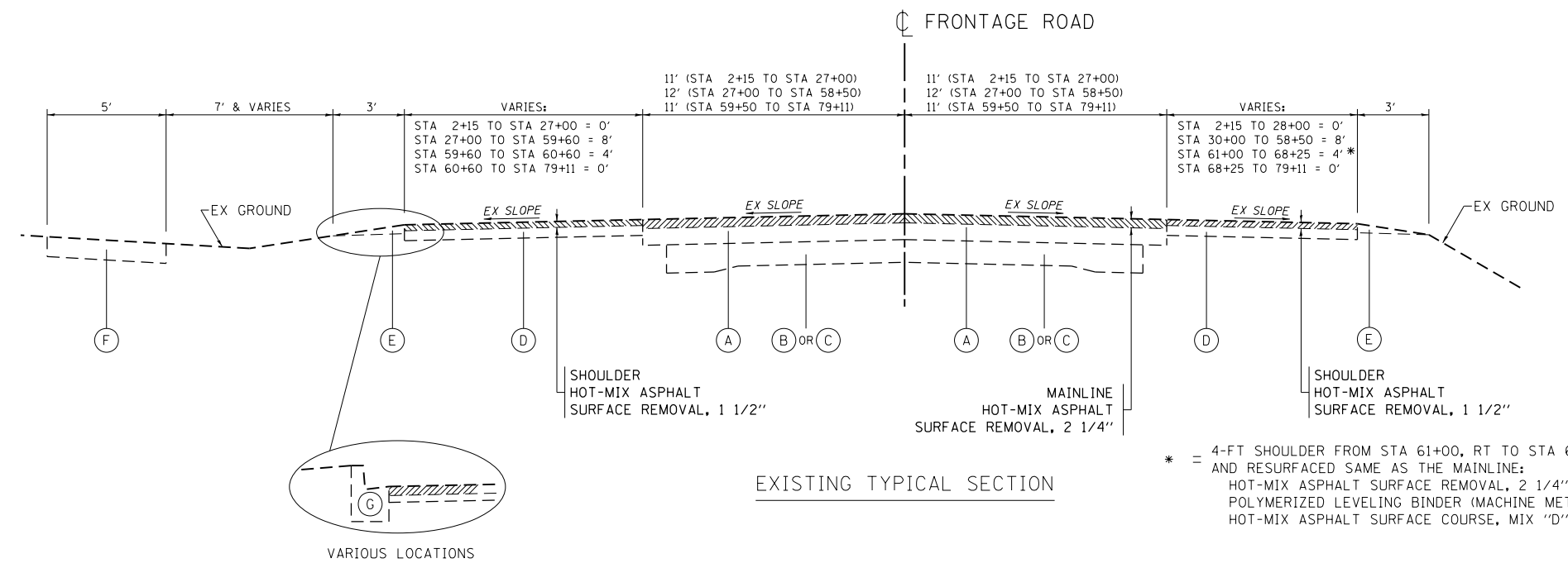
LOCATION <sup>2</sup>	44201735	44201823	44201827	44201831	44201833
	CLASS D PATCHES, TYPE IV, 7 INCH SQ YD	CLASS D PATCHES, TYPE I, 15 INCH SQ YD	CLASS D PATCHES, TYPE II, 15 INCH SQ YD	CLASS D PATCHES, TYPE III, 15 INCH SQ YD	CLASS D PATCHES, TYPE IV, 15 INCH SQ YD
EASTBOUND		10	20	25	590
WESTBOUND		0	0	0	175
NORTH SIDE OF BAILY RD					40
NORTH SIDE OF EVERGREEN LN					89
SOUTH SIDE OF EVERGREEN LN					111
SOUTH SIDE OF CARRIAGE GREEN DR					98
DRAINAGE IMPROVEMENTS	178				
TOTAL =	178	10	20	25	1103

<sup>2</sup> = ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.



LEGEND - EXISTING

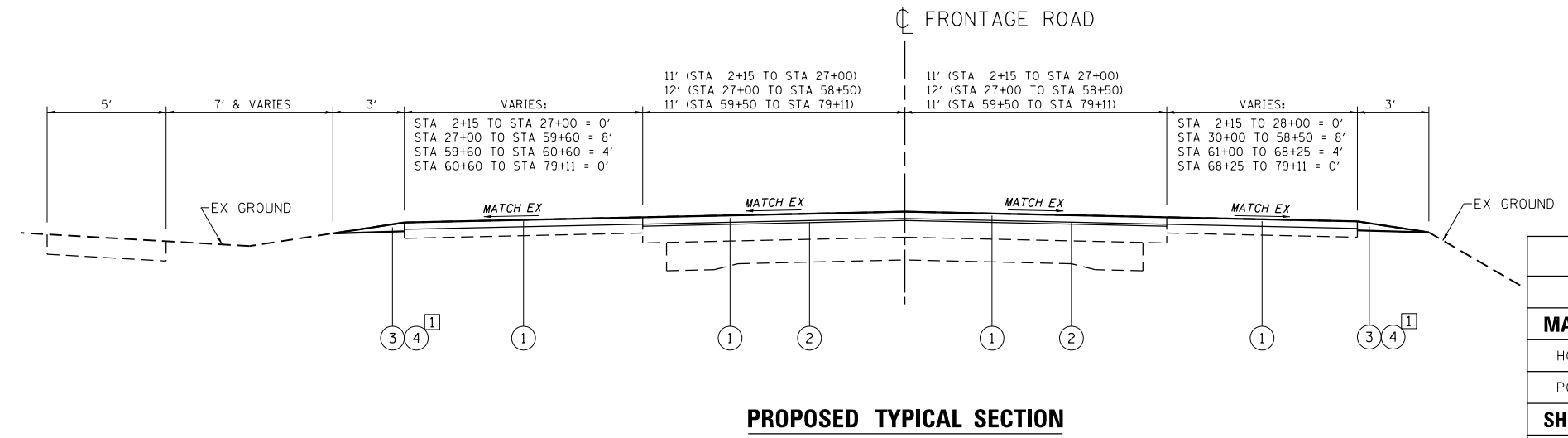
- (A) HMA PAVEMENT, THICKNESS VARIES:
  - STA 10+00 TO STA 53+00: 6.5" - 8"
  - STA 65+00 TO STA 78+00: 15" - 16"
- (B) AGGREGATE BASE, 7" (STA 3+50.5 TO STA 31+00, STA 54+00 TO STA 79+11.5)
- (C) PCC BASE, 7" (STA 32+00 TO STA 53+00)
- (D) BITUMINOUS SHOULDER, THICKNESS UNKNOWN
- (E) AGGREGATE SHOULDER
- (F) PCC SIDEWALK
- (G) COMBINATION CONCRETE CURB AND GUTTER



\* = 4-FT SHOULDER FROM STA 61+00, RT TO STA 68+25, RT TO BE MILLED AND RESURFACED SAME AS THE MAINLINE:  
 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"  
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"  
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"

NOTE:

- 1) MAINLINE: THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING
- 2) THE CONTRACTOR SHALL COMPLETE THE DRAINAGE IMPROVEMENT PAVEMENT OPENING AND PATCHING BEFORE THE RESURFACING.



1 = LOCATIONS OF GRADING AND SHAPING SHOULDERS AND AGGREGATE SHOULDER, TYPE B WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER / TECHNICIAN.

LEGEND - PROPOSED

- 1 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- 2 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- 3 GRADING AND SHAPING SHOULDERS 1
- 4 AGGREGATE SHOULDERS, TYPE B 1

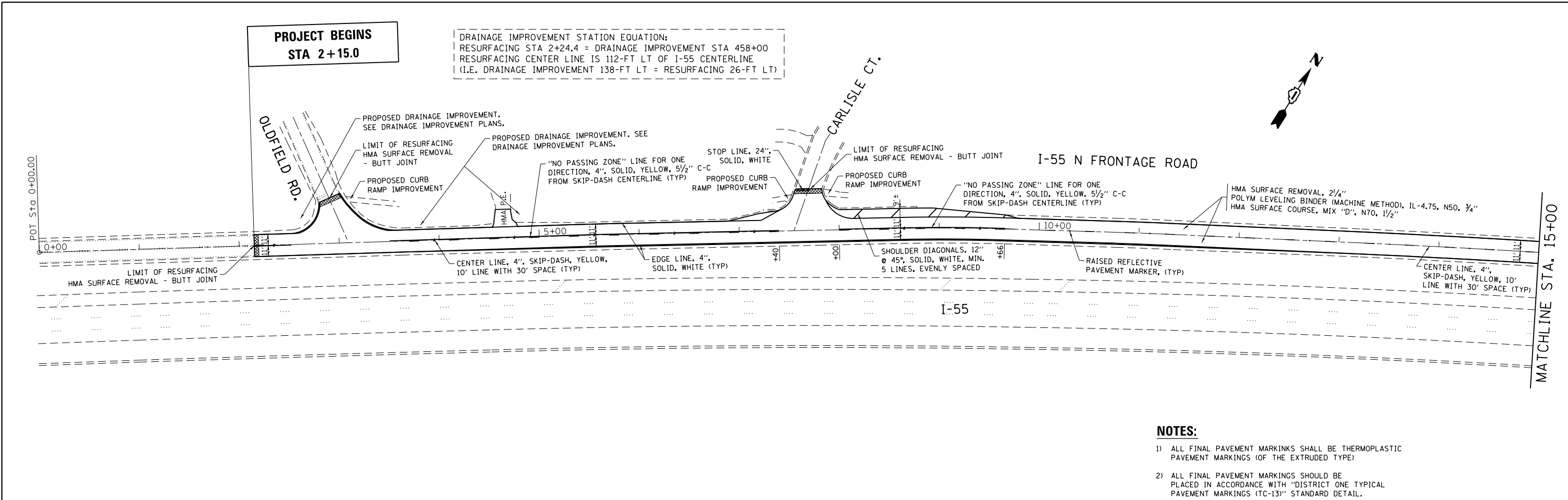
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR Voids Ndes	OMP
<b>MAINLINE PAVEMENT RESURFACING</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	4% AT 70 GYR.	QCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% AT 50 GYR.	QCP
<b>SHOULDER RESURFACING</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	4% AT 70 GYR.	QCP
<b>DRIVEWAY</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 2"	4% AT 70 GYR.	QCP
HMA BASE COURSE (HMA BINDER IL-19 mm); 6"	4% AT 50 GYR.	QC/OA
<b>PATCHING</b>		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% AT 70 GYR.	QC/OA
OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

NOTE 2: 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 SPECIAL PROVISIONS.

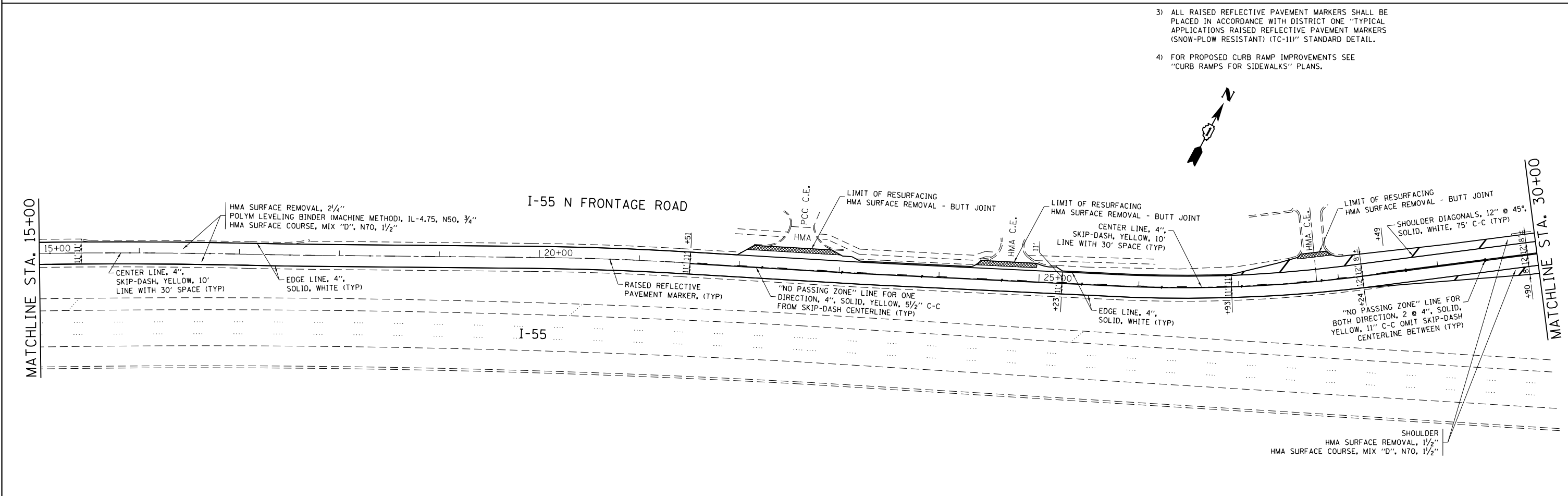
NOTE 3: QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE



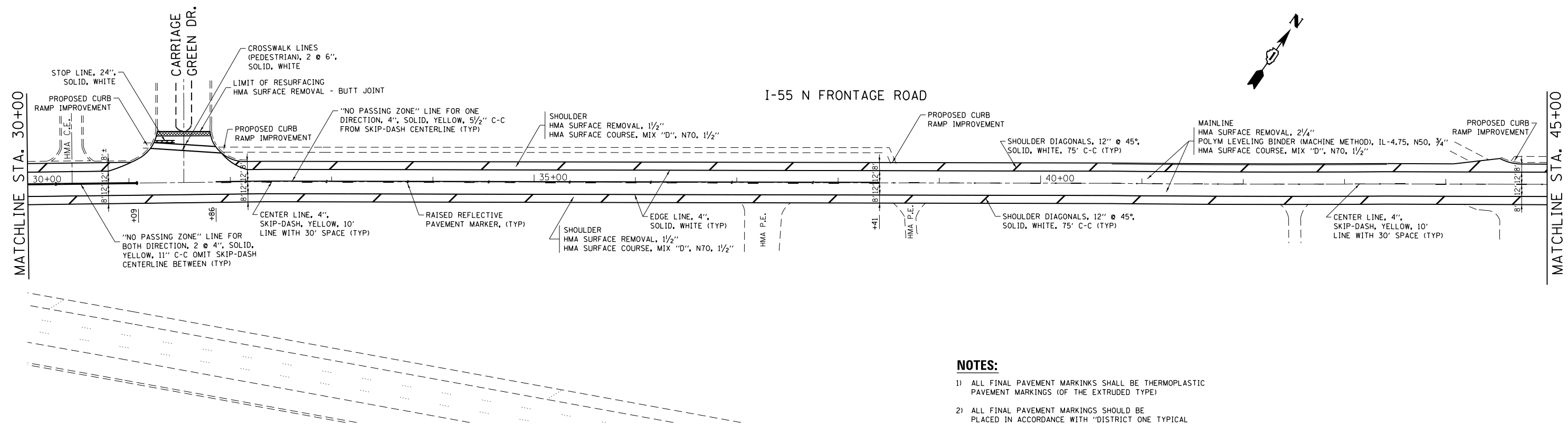


**NOTES:**

- 1) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE)
- 2) ALL FINAL PAVEMENT MARKINGS SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)" STANDARD DETAIL.
- 3) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH DISTRICT ONE "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)" STANDARD DETAIL.
- 4) FOR PROPOSED CURB RAMP IMPROVEMENTS SEE "CURB RAMP FOR SIDEWALKS" PLANS.

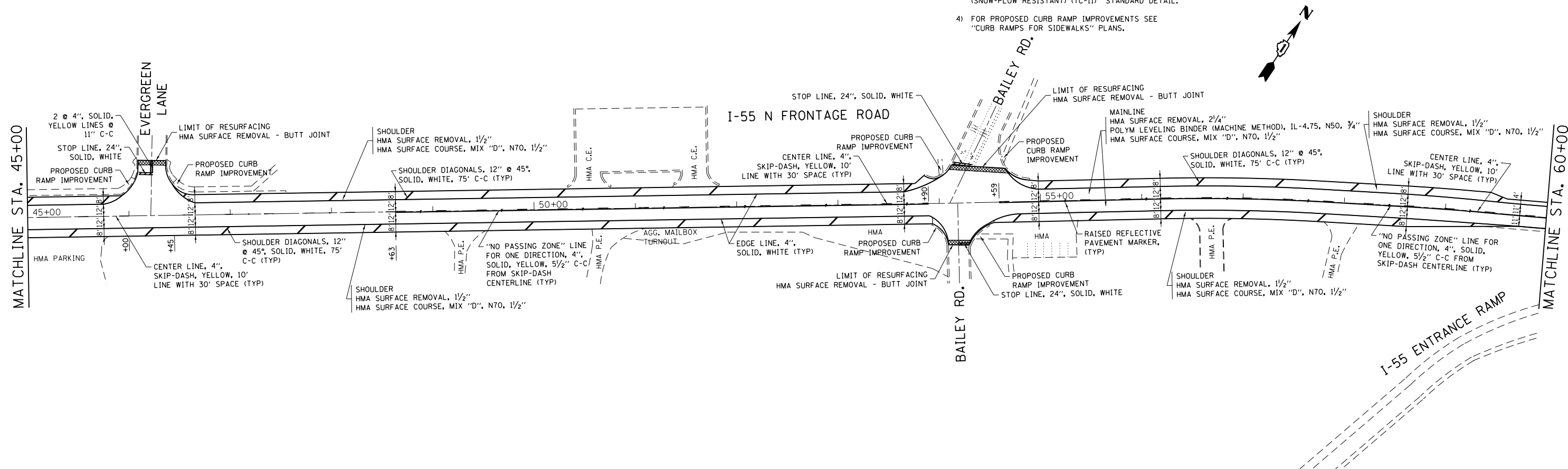


FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-55 N. FRONTAGE ROAD OLDFIELD RD. TO CASS AVE.</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI0455\Drawings\Design\DI04515-sht-plen.dgn		CHECKED -	REVISED -		55	2014-063-RS&T	DuPAGE	40	9			
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE: 1"=50'    SHEET OF SHEETS    STA. 0+00 TO STA. 30+00			CONTRACT NO. 60Y98				
	PLOT DATE = 5/31/2016							ILLINOIS FED. AID PROJECT				

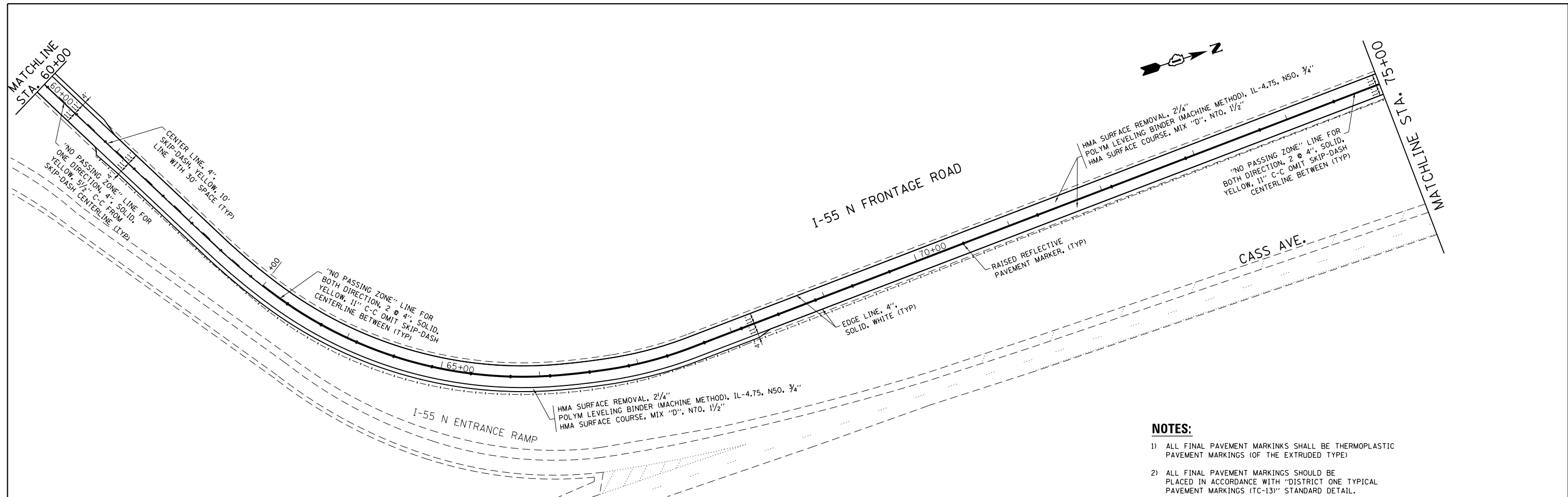


**NOTES:**

- 1) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE)
- 2) ALL FINAL PAVEMENT MARKINGS SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)" STANDARD DETAIL.
- 3) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH DISTRICT ONE "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)" STANDARD DETAIL.
- 4) FOR PROPOSED CURB RAMP IMPROVEMENTS SEE "CURB RAMPS FOR SIDEWALKS" PLANS.

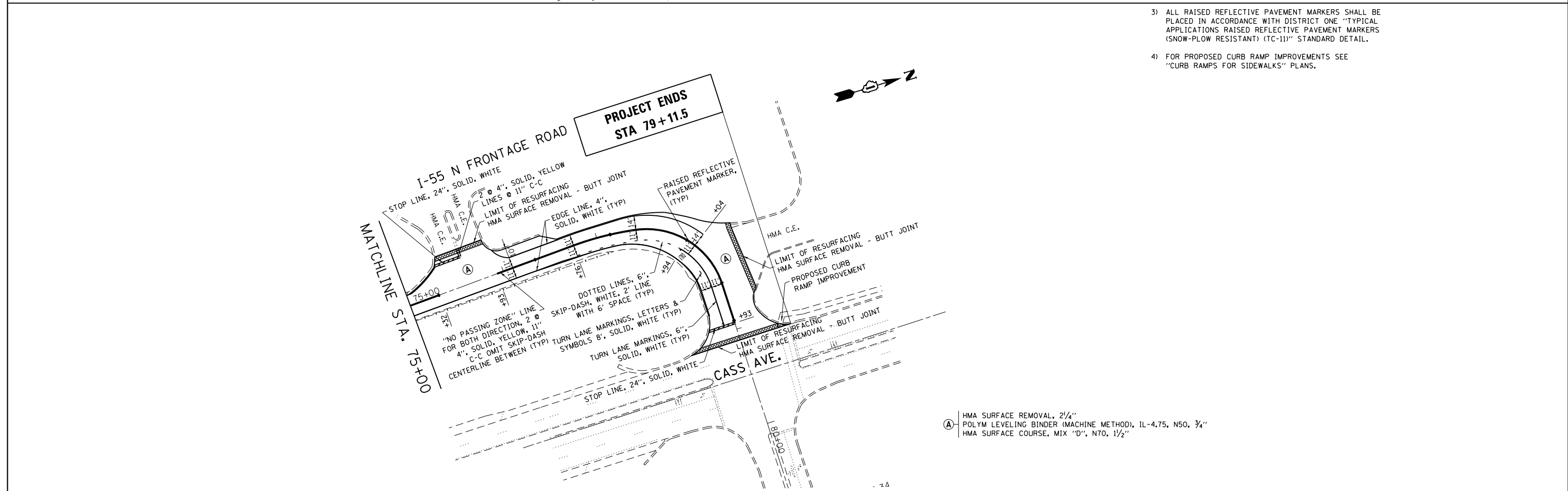


FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-55 N. FRONTAGE ROAD OLDFIELD RD. TO CASS AVE.</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI045\Design\DI04515-sht-plan.dgn		CHECKED -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 30+00	TO STA. 60+00	ILLINOIS FED. AID PROJECT		
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -						55	2014-063-RS&T	DuPAGE	40	10
	PLOT DATE = 5/31/2016								<b>CONTRACT NO. 60Y98</b>				



**NOTES:**


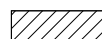
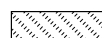
- 1) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE)
- 2) ALL FINAL PAVEMENT MARKINGS SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)" STANDARD DETAIL.
- 3) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH DISTRICT ONE "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)" STANDARD DETAIL.
- 4) FOR PROPOSED CURB RAMP IMPROVEMENTS SEE "CURB RAMP FOR SIDEWALKS" PLANS.



Ⓐ HMA SURFACE REMOVAL, 2 1/4"  
POLYM LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"  
HMA SURFACE COURSE, MIX "D", N70, 1 1/2"

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-55 N. FRONTAGE RD. OLDFIELD RD. TO CASS AVE.</b>			F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI04515\Design\DI04515-sht-pln.dgn		CHECKED -	REVISED -		55	2014-063-RS&T	DuPAGE	40	11			
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 60Y98							
	PLOT DATE = 5/31/2016				ILLINOIS FED. AID PROJECT							

**LEGEND**

-  DETECTABLE WARNING
-  DEPRESSED CURB AND GUTTER
-  SODDING

- ×701.41 EXISTING POINT ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- TW PROPOSED TOP-OF-WALK ELEVATION
- FL PROPOSED FLOW LINE ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT

SITE BENCHMARK  
PK NAIL IN EDGE-OF-PAVEMENT  
(8.3± FT SOUTH OF ORANGE CAP)  
ELEVATION = 727.811  
VERT DATUM: NAVD 88

- NOTES:
- 1) PROPOSED LONGITUDINAL SLOPE OF LOWER LANDING EXCEEDS CURRENT POLICY VALUE. RAMP IS DESIGNED TO THE MAXIMUM EXTENT PRACTICABLE.

I-55 N. FRONTAGE RD.

CARLISLE CT.

SITE BENCHMARK  
TOP OF FIRE HYDRANT  
ELEVATION = 714.109  
VERT DATUM: NAVD 88

EXISTING DECORATIVE STONES IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE TEMPORARY RELOCATED AS DETERMINED BY THE RESIDENT ENGINEER / TECHNICIAN. THE DECORATIVE STONES SHALL BE REINSTALLED WHEN THE RAMP WORK IS COMPLETED. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO RESTORE THE DECORATIVE STONES IN THEIR ORIGINAL APPEARANCE. THE COST FOR RELOCATION AND REINSTALLATION SHALL BE INCLUDED IN THE CONTRACT BID PRICES FOR THIS LOCATION.

NOTE:  
THE PROPOSED RAMP LOCATION DOES NOT MATCH THE EXISTING RAMP LOCATION EXACTLY. USE PROVIDED STATION AND OFFSET TO CONSTRUCT THE PROPOSED RAMP.

- NOTES:
- 1) PROPOSED LONGITUDINAL SLOPE OF LOWER LANDING EXCEEDS CURRENT POLICY VALUE. RAMP IS DESIGNED TO THE MAXIMUM EXTENT PRACTICABLE.

I-55 N. FRONTAGE RD.

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-55 NORTH FRONTAGE ROAD - OLDFIELD RD TO CASS AVE CURB RAMPS FOR SIDEWALKS</b>	F.A.I. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	p:\1\1084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI045\Design\DI04515-sht-plen.dgn	CHECKED -	REVISED -			55	2014-063-RS&T	DuPAGE	40	12
	PLOT DATE = 6/1/2016	DATE -	REVISED -			CONTRACT NO. 60Y98		ILLINOIS FED. AID PROJECT		

SITE BENCHMARK  
SOUTHWEST BOLT OF  
FIRE HYDRANT  
ELEVATION = 711.961  
VERT DATUM: NAVD 88

DECORATIVE WALL  
W/ SIGN

DECORATIVE  
COLUMN W/ SIGN

DECORATIVE WALL  
W/ SIGN

CARRIAGE  
GREEN DR.

EX PCC SIDEWALK

TW 709.89

MATCH EX

709.83

709.81

MATCH EX

PR PCC SIDEWALK, 5"

709.87

TC=TW 709.87

FL 709.83

709.86

EX RIM= 709.8±

709.89

TC=TW 709.89

FL 709.85

INLET TO BE ADJUSTED  
- IF REQUIRED

EX CROSSWALK  
CROSS SLOPE (TYP)

EX RIM= 709.7±

709.80

TC=TW 709.73

709.90

TC=TW 709.90

PR PCC SIDEWALK, 5"

TW 709.81

TW 710.20

TW 710.25

MATCH EX

710.47

EX PCC SIDEWALK

710.55




MATCH EX

TW 710.25

TW 710.33

I-55 N FRONTAGE RD.

### LEGEND

-  DETECTABLE WARNING
-  DEPRESSED CURB AND GUTTER
-  SODDING
- ×701.41 EXISTING POINT ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- TW PROPOSED TOP-OF-WALK ELEVATION
- FL PROPOSED FLOW LINE ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT

EX SIDEWALK CROSS SLOPE EXCEEDS  
2.0% WITHIN THE LIMITS OF SURVEY

CURB RAMP AT  
STA 38+50

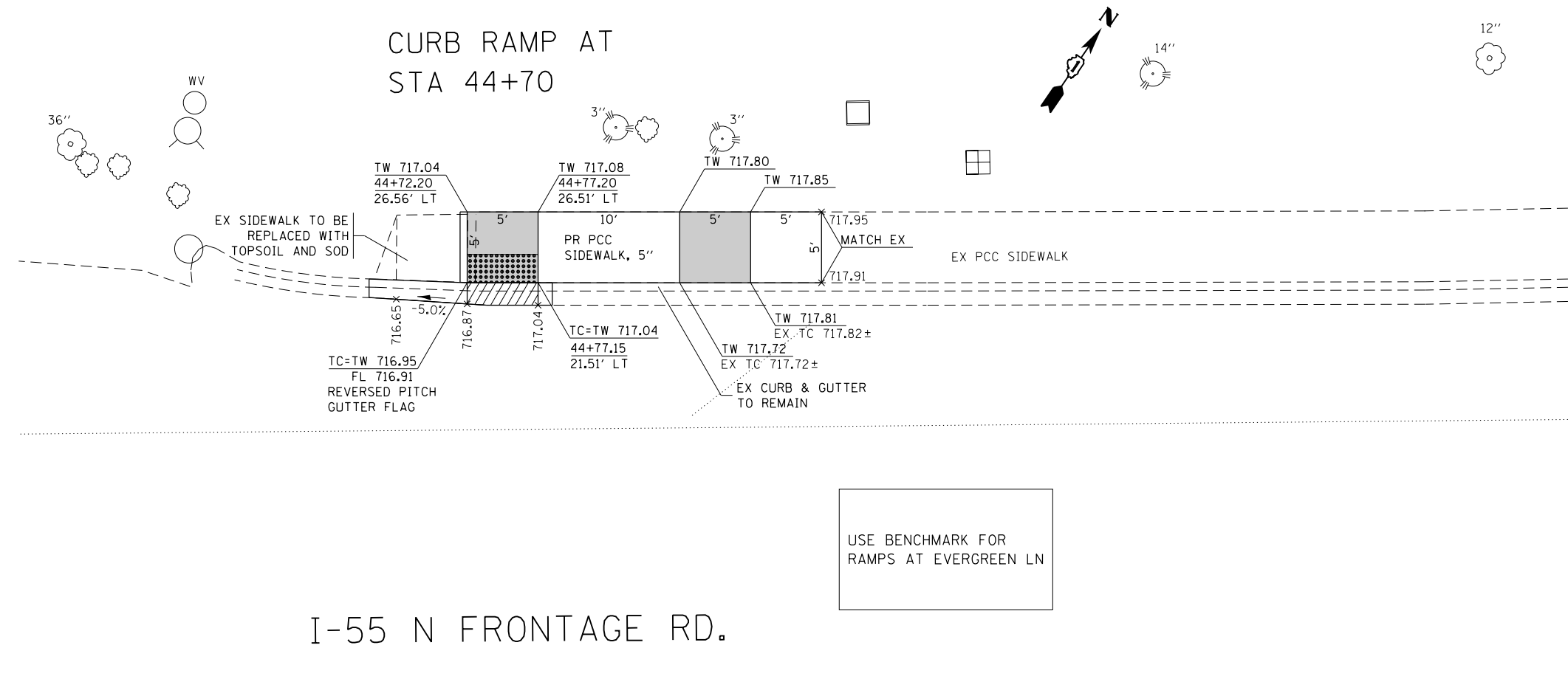
SITE BENCHMARK  
PK NAIL SET IN  
ASPHALT DRIVEWAY  
ELEVATION = 707.880  
VERT DATUM: NAVD 88

HMA SHOULDER

I-55 N FRONTAGE RD.

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-55 NORTH FRONTAGE ROAD - OLDFIELD RD TO CASS AVE CURB RAMPS FOR SIDEWALKS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -			55	2014-063-RS&T	DuPAGE	40	13
	PLOT DATE = 5/31/2016	DATE -	REVISED -			CONTRACT NO. 60Y98				
					SCALE:	SHEET	OF SHEETS	STA.	TO STA.	
					ILLINOIS FED. AID PROJECT					

CURB RAMP AT  
STA 44+70

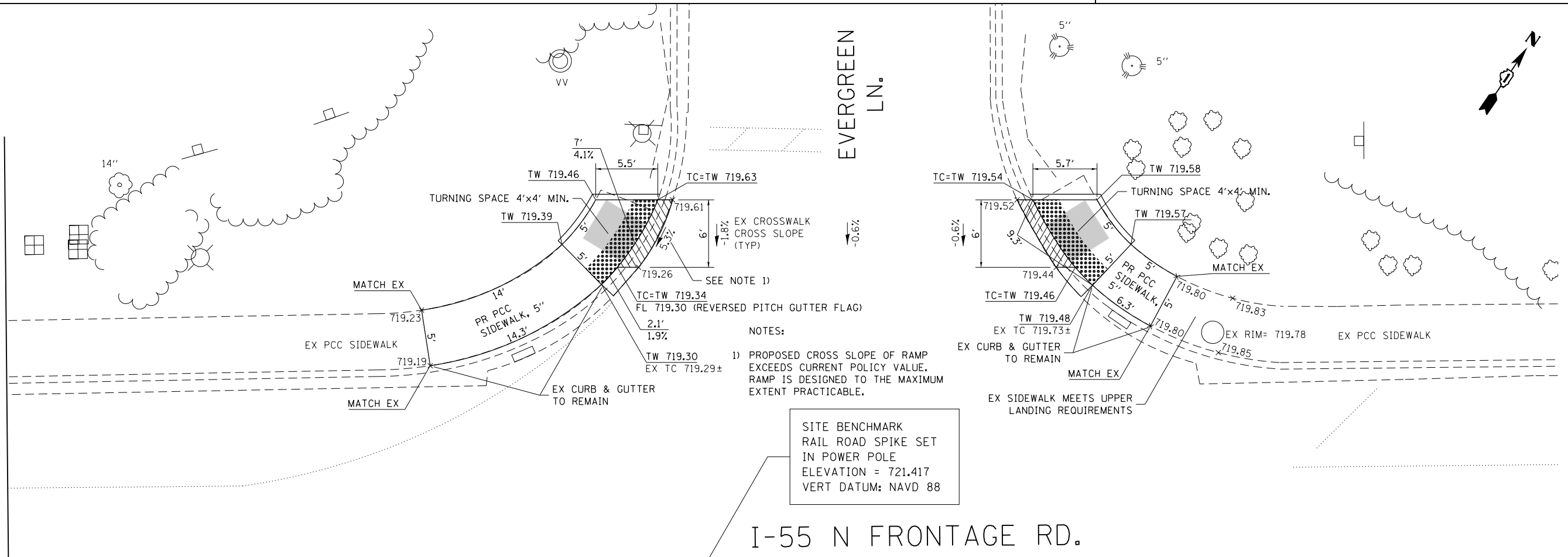


USE BENCHMARK FOR  
RAMPS AT EVERGREEN LN

I-55 N FRONTAGE RD.

MATCHLINE STA. 45+50

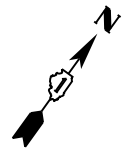
EVERGREEN LN.



SITE BENCHMARK  
RAIL ROAD SPIKE SET  
IN POWER POLE  
ELEVATION = 721.417  
VERT DATUM: NAVD 88

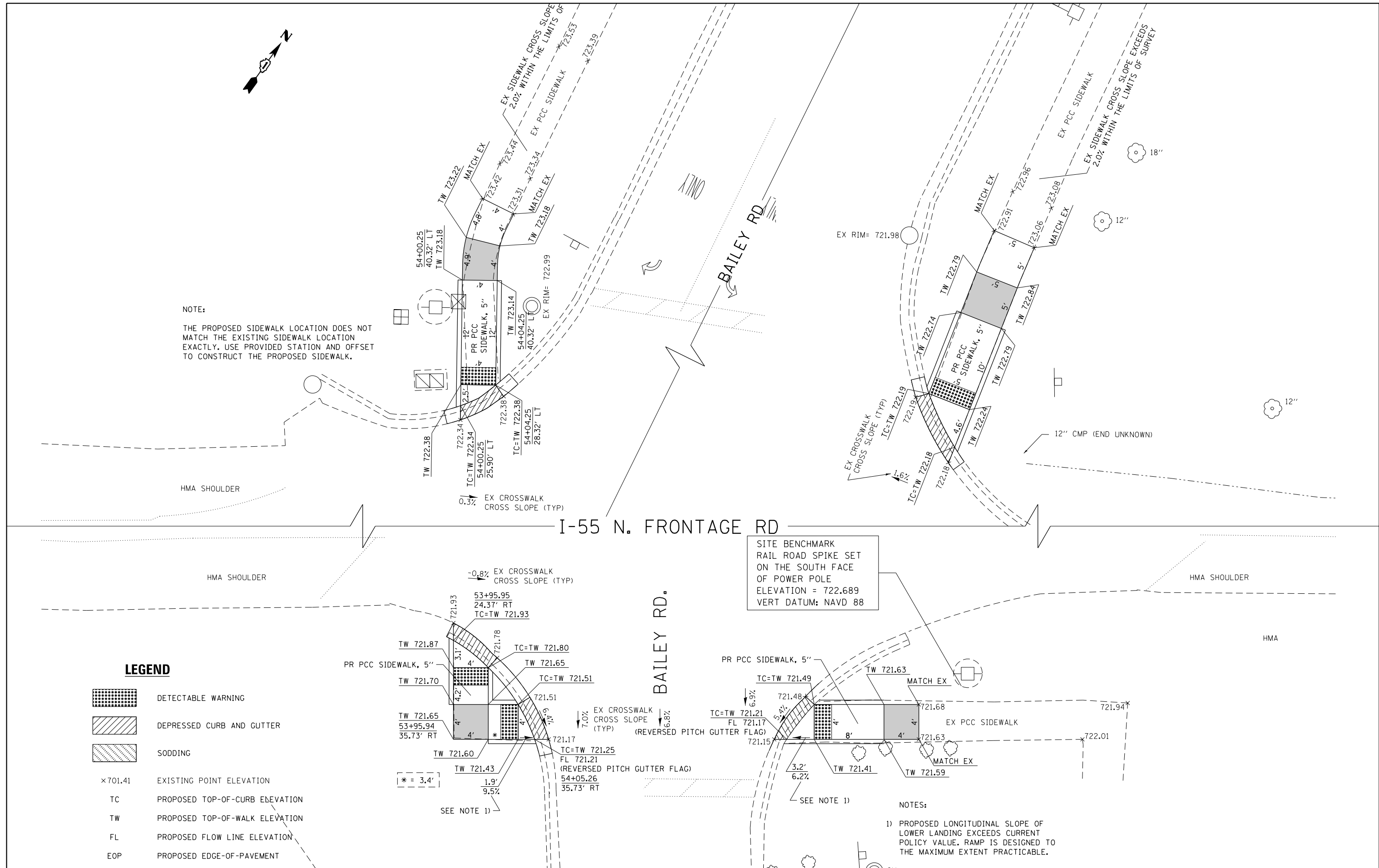
I-55 N FRONTAGE RD.

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-55 NORTH FRONTAGE ROAD - OLDFIELD RD TO CASS AVE CURB RAMPS FOR SIDEWALKS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI0455\Design\DI04515-sht-plen.dgn	DRWN	REVISED -	REVISED -			55	2014-063-RS&T	DUPAGE	40	14
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60Y98			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 6/15/2016	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.



**NOTE:**

THE PROPOSED SIDEWALK LOCATION DOES NOT MATCH THE EXISTING SIDEWALK LOCATION EXACTLY. USE PROVIDED STATION AND OFFSET TO CONSTRUCT THE PROPOSED SIDEWALK.



**LEGEND**

- DETECTABLE WARNING
- DEPRESSED CURB AND GUTTER
- SODDING
- ×701.41 EXISTING POINT ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- TW PROPOSED TOP-OF-WALK ELEVATION
- FL PROPOSED FLOW LINE ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -
p:\IL\084EBID\INTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI0455\Drawings\Design\DI04515-sht-plen.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/2/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 NORTH FRONTAGE ROAD - OLDFIELD RD TO CASS AVE  
CURB RAMPS FOR SIDEWALKS**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T	DuPAGE	40	15
			CONTRACT NO. 60Y98	
ILLINOIS FED. AID PROJECT				

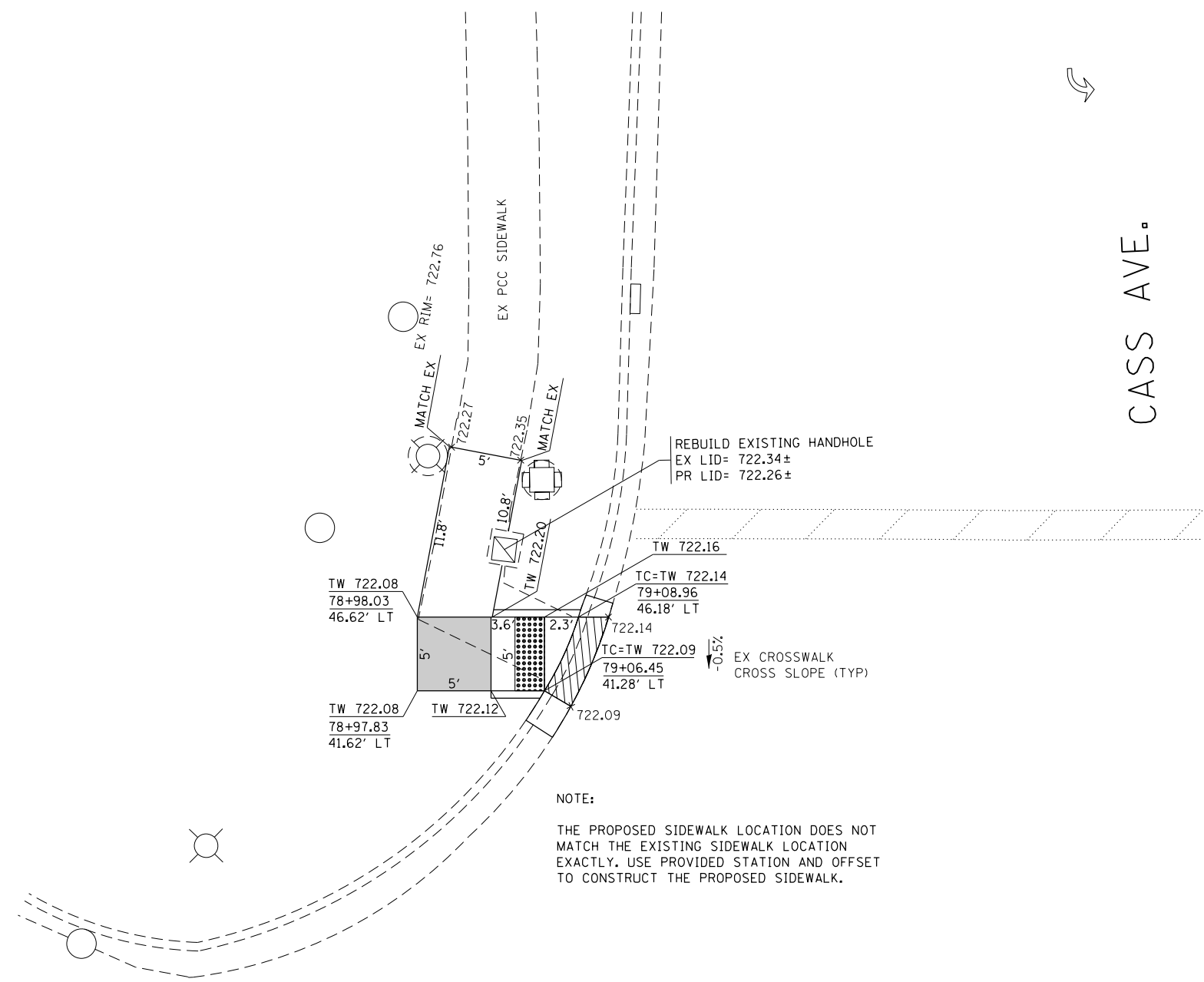
- NOTES:**
- 1) PROPOSED LONGITUDINAL SLOPE OF LOWER LANDING EXCEEDS CURRENT POLICY VALUE. RAMP IS DESIGNED TO THE MAXIMUM EXTENT PRACTICABLE.








CASS AVE.

I-55 N FRONTAGE RD.



**LEGEND**

-  DETECTABLE WARNING
-  DEPRESSED CURB AND GUTTER
-  SODDING
- × 701.41 EXISTING POINT ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- TW PROPOSED TOP-OF-WALK ELEVATION
- FL PROPOSED FLOW LINE ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT

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

**I-55 NORTH FRONTAGE ROAD - OLDFIELD RD TO CASS AVE  
CURB RAMPS FOR SIDEWALKS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T		40	16
CONTRACT NO. 60Y98			ILLINOIS FED. AID PROJECT	

# GENERAL NOTES

THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES IN REGARDS TO THEIR FACILITIES.

MAINTAINING DRAINAGE: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE FOR THE WORK. THE CONTRACTOR SHALL SUPPLY A PLAN AS A SUBMITTAL REVIEW FOR EACH LOCATION PROVIDING A PLAN THAT WILL MAINTAIN FLOWS THAT MEET ALL LOCAL, STATE AND FEDERAL REGULATIONS AND NOT CAUSE ANY DAMAGES UPSTREAM OR TO ANY ADJACENT DRAINAGE WATERSHED. THE PLAN SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF ILLINOIS. THIS PLAN MUST BE SUBMITTED AT LEAST TWO WEEKS PRIOR TO THE START OF ANY CULVERT WORK. COST OF MAINTAINING DRAINAGE FLOWS SHALL BE INCIDENTAL TO THE CONTRACT.

CONTRACTOR SHALL NOT SCALE DIMENSIONS FROM THE CONTRACT PANS FOR CONSTRUCTION PURPOSES. SCALES, IF SHOWN, ARE FOR INFORMATION ONLY.

THE HORIZONTAL CONTROLS SHALL BE BASED ON STATE PLANE COORDINATES (NAD83). THE VERTICAL CONTROLS ARE BASED ON NORTH AMERICAN DATUM 1988 (NAVD88).

RESTORATION AREAS WILL INCLUDE ALL DISTURBED AREAS INCLUDING AREA FOR GRADING AND SHAPING DITCHES AND STABLIZING SLOPES AND THE STABILIZED CONSTRUCTION ENTRANCE WITH PLACING TOPSOIL, SEEDING CLASS 2A, NITROGEN FERTILIZER, POTASSIUM FERTILIZER, PHOSPHOROUS FERTILIZER AND EROSION CONTROL BLANKET. ITEMS LISTED ABOVE WILL BE PAID FOR SEPARATELY.

ANY CLEANING AND REMOVAL OF DEBRIS, SILT AND FOREIGN MATERIAL, VEGETATION, GRASS AND WEEDS ALONG THE DITCH LINE TO THE CULVERT OUTSIDE THE LIMITS OF CULVERT, WILL BE PAID UNDER GRADING AND SHAPING DITCHES.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.J.L.I.E" AT 1-800-892-0123 FOR FIELD LOCATION OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

ALL INVERT ELEVATIONS FOR EXISTING AND PROPOSED PIPES, CULVERTS AND HEADWALLS TO BE CONSTRUCTED SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

### CULVERT STRUCTURE GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM FIELD MEASUREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE JUSTIFICATION FOR SCHEDULING DELAYS OR CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE FOR THE WORK.

THE REMOVAL AND DISPOSAL OF ALL EXISTING CONCRETE AND/OR METAL FLARED END SECTIONS AT LOCATIONS OF NEW END SECTION CONSTRUCTION SHALL BE INCLUDED IN THE COST OF "END SECTIONS" OR "CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS" OF THE DIAMETER SPECIFIED.

ALL EXCAVATION AND BACKFILL REQUIRED FOR THE INSTALLATION OF NEW END SECTIONS SHALL BE INCLUDED IN THE COST OF "END SECTIONS" OR "CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS" OF THE DIAMETER SPECIFIED.

UPON INSPECTION OF CULVERTS TO BE LINED, THE CONTRACTOR SHALL IDENTIFY ALL LATERAL CONNECTIONS AND SHALL INCORPORATE THESE CONNECTIONS INTO THE LINER IN SUCH A WAY AS TO CREATE A WATER TIGHT SEAL. THIS WORK SHALL INCLUDE LINING, EXTENDING, OR GROUTING THE LATERAL PIPE AS NECESSARY TO MAKE THE CONNECTION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF INSERTION CULVERT LINER.

CULVERT LINERS SHALL BE INSTALLED ACCORDING TO THE IDOT STANDARD SPECIFICATIONS SECTION 543 AND THE SPECIAL PROVISION "INSERTION CULVERT LINER" AND SHALL BE PAID FOR AS INSERTION CULVERT LINER OF THE INDICATED MINIMUM INSIDE DIAMETER.

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

THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE CONTRACTOR SHALL CONTACT J.J.L.I E. AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE WITHIN THE AREA.

ANY TURF AREAS OUTSIDE THE CONSTRUCTION SEEDING LIMITS WHICH ARE DISTURBED SHALL BE REPAIRED, RESEEDDED AND COVERED WITH EROSION BLANKET TO THE STAISFACTION OF AND AS DIRECTED BY THE ENGINEER AT THE CONTRACTORS EXPENSE.

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

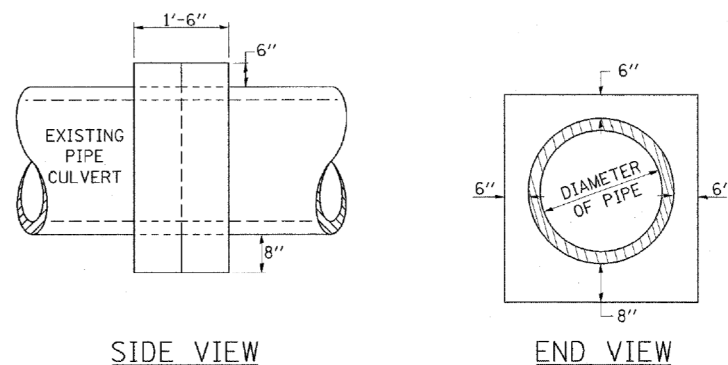
**I-55 FRONTAGE ROAD OLDFIELD RD. TO CARLISLE CT.  
 GENERAL NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T	DUPAGE	40	17
CONTRACT NO. 60Y98			ILLINOIS FED. AID PROJECT	

## DETAILS OF CONCRETE COLLAR

PIPE TO PIPE



TABULATION

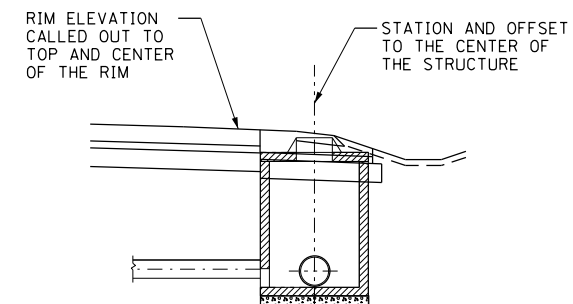
DIAMETER OF PIPE	CL SI CONC CU YDS EST
12"	0.24
15"	0.29
18"	0.32
24"	0.44
30"	0.56
36"	0.66
42"	0.80
48"	0.93
54"	1.07
60"	1.22
72"	1.55

THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR **CONCRETE COLLAR**, AS SHOWN ON THE PLANS, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS THE EXISTING HEADWALLS AS MAY BE REQUIRED.

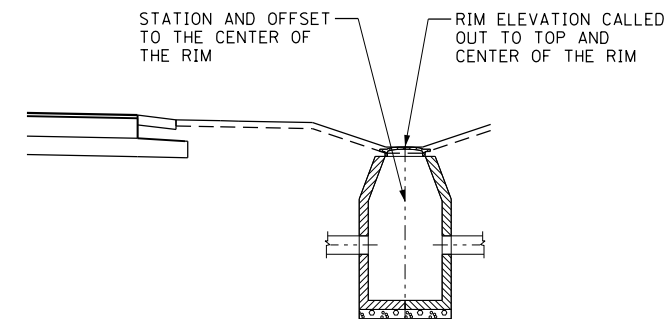
CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

REVISIONS	
DRAWN	7-13-90
REVISED	8-22-94
REVISED	3-26-08
REVISED	

STD. 9-79



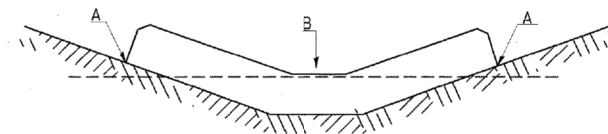
**SECTION  
MANHOLE IN THE SHOULDER  
(CONE AND FLAT SLAB TOP SECTIONS)**



**ELEVATION  
INLET IN DITCH OR SWALE**

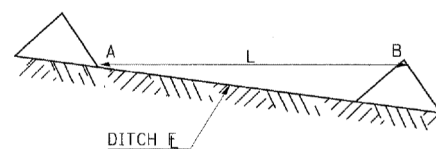
## TEMPORARY DITCH CHECKS

**PLACEMENT OF TEMPORARY  
DITCH CHECK IN DRAINAGE WAY**



POINTS A SHOULD BE HIGHER THAN POINT B

**SPACING BETWEEN TEMPORARY DITCH CHECKS**

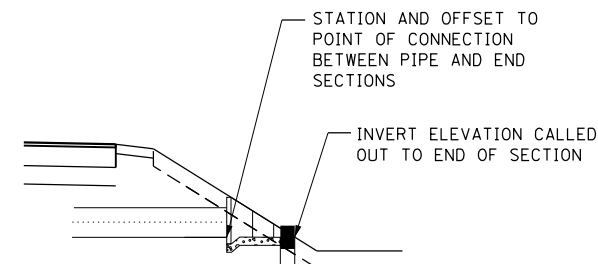


L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION

B = THE LOW POINT IN CENTER OF CHECK

REVISIONS	
DRAWN	9-01-99
REVISED	10-3-01
RESIZED	5-8-08
REVISED	05-04-10

STD. 9-108



**ELEVATION  
CONCRETE END SECTION**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 FRONTAGE ROAD OLDFIELD RD. TO CARLISLE CT.  
DRAINAGE DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T	DUPAGE	40	18
CONTRACT NO. 60Y98				

ILLINOIS FED. AID PROJECT

- NOTE:  
 1. CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED INVERT ELEVATIONS AND PIPE LENGTHS FOR STORM SEWERS, CULVERTS, AND HEADWALLS PRIOR TO CONSTRUCTION  
 2. FIRE HYDRANT TO BE RELOCATED BY OTHERS (CITY OF DARIEN)  
 3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES  
 4. PRIOR TO OBTAINING FENCE MATERIALS CONTRACTOR SHALL VERIFY EXISTING FENCE DIMENSIONS AND MATCH EXISTING DIMENSIONS WITH NEW FENCE INSTALLATION (66400205)  
 5. SEE GENERAL NOTES SHEET FOR ALL NOTES  
 6. FOR REMOVALS REFER TO THE REMOVAL TABLE

PR PRC FLAR END SEC 18"  
 STA. 459+15, 139' LT.  
 INV. 721.71  
 (54213663)  
 GRATING-C FL END S 18

EXISTING 12" RCP

PR 80' - 18" P CUL. CL A, TY. 1 @ 2.46% (542A0223)  
 TBF 10 CU.YD. (20800150)

PR PRC FLAR END SEC 18"  
 STA. 458+35, 138 LT.  
 INV. 723.68  
 (54213663)  
 GRATING-C FL END S 18

IMPROVEMENTS BEGIN, STA. 457+91.00

SEE NOTE 2

PR PRC FLAR END SEC EQ RS 18  
 STA. 460+25, 139 LT.  
 INV. 717.30  
 (54214713)  
 GRATING-C FL END S 18

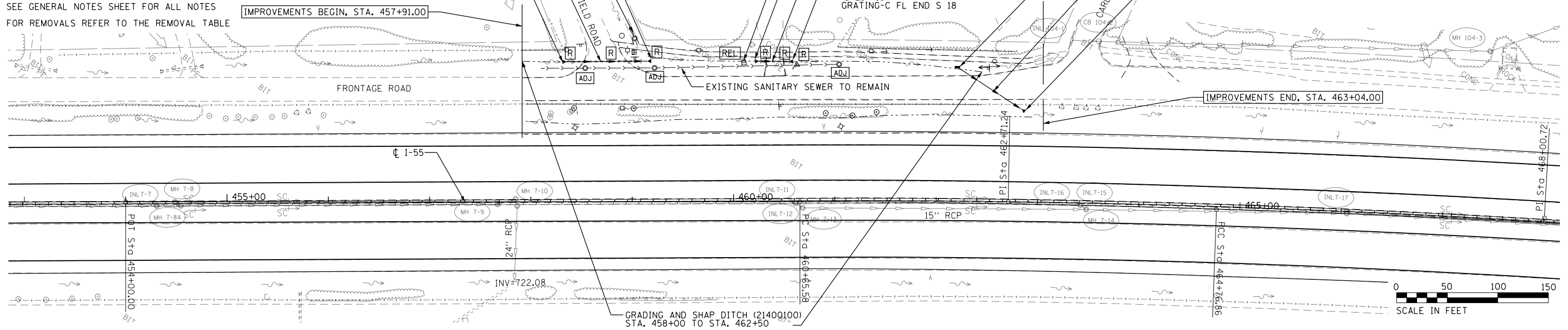
PR 30' - P CUL. CL A, TY. 1 EORS  
 18 @ 2.23% (542A5473)  
 TBF 4 CU.YD. (20800150)

PR PRC FLAR END SEC EQ RS 18  
 STA. 460+55, 139' LT.  
 INV. 716.63  
 (54214713)  
 GRATING-C FL END S 18

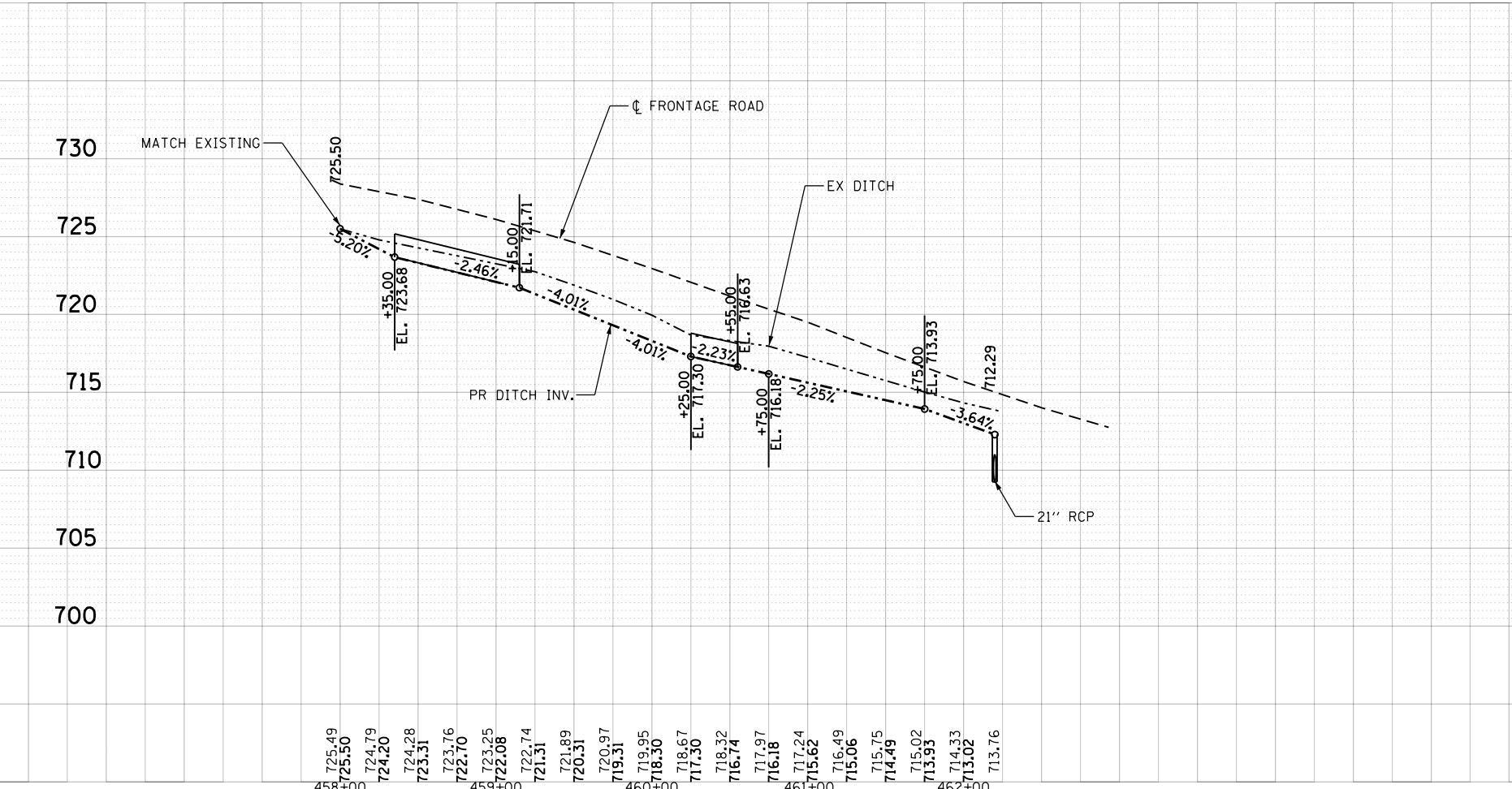
PR FLUSH INLET BOX IN MEDIAN (54244405)  
 STA. 462+20, 133' LT.  
 RIM. 712.29  
 INV. 709.25

PR 75' - 21" P CUL. CL A, TY 1 @ 0.11% (552A0226)  
 TBF 22 CU.YD. (20800150)

PR PRC FLAR END SEC 21" 35° SKEW  
 STA. 462+84, 93' LT.  
 INV. 709.00  
 USE HIGHWAY STANDARD 542201  
 (54213666)  
 GRATING-C FL END S 21



EXISTING	LEGEND	PROPOSED
→	PAVEMENT FLOW	→
↔	SUMMIT	↔
----	STORM CULVERT	----
---	R.O.W.	---
→	SURFACE FLOW	→
→	DITCH FLOW	→
→	STORM SEWER	→
□	ELECTRICAL POLE	■
←	SANITARY SEWER	←
—Fo—	FIBER OPTICS	—Fo—
—E—	UNDERGROUND ELECTRIC	—E—
△	FLARED END SECTION	▲
⌋	CONCRETE HEADWALL	⌋
□	INLET	■
⊙	MANHOLE	⊙
○	CATCH BASIN	●
	STRUCTURE TO BE CLEANED	C
	STRUCTURE TO BE REMOVED	R
	ITEM TO BE RELOCATED	REL
	STRUCTURE TO BE ADJUSTED	ADJ



REMOVALS	
STORM SEWER REM - 18" CMP (550A0090) STA. 458+44 TO STA. 459+05 - 61 FT	730
STORM SEWER REM - 15" CMP (550A0070) STA. 460+30 TO STA. 460+52 - 22 FT	725
REMOV EX FLAR END SEC (X0322936) STA. 458+40, 138' LT. STA. 459+05, 139' LT. STA. 460+30, 139' LT. STA. 460+52, 139' LT.	720
MANHOLES TO BE ADJUSTED (60255500) STA. 458+54, 131.8' LT. STA. 459+22, 132.1' LT. STA. 461+04, 135.7' LT.	715
	710
	705
	700

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 DEPARTMENT OF TRANSPORTATION

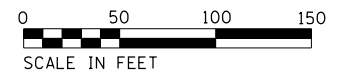
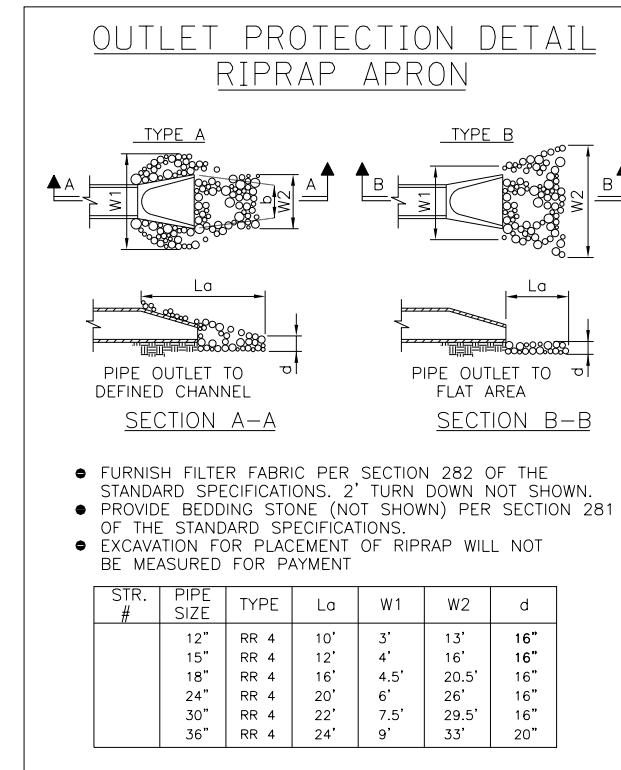
I-55 FRONTAGE ROAD DRAINAGE PLAN & PROFILE  
 OLDFIELD ROAD TO CARLISLE COURT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T	DUPAGE	40	19
CONTRACT NO. 60Y98				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

## SOIL EROSION GENERAL NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO INSTALL AND MAINTAIN SILT FENCE AS INDICATED IN THE PLAN PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE EROSION CONDITIONS.
2. EXISTING CULVERTS WITHIN THE DISTURBED LIMIT SHALL BE PROTECTED PRIOR TO ANY CONSTRUCTION ACTIVITIES COMMENCING UPSTREAM.
3. PERMANENT SEEDING/SODDING SHALL BE IMPLEMENTED ACCORDING TO THE PLAN IN CONJUNCTION WITH CONSTRUCTION STAGING.
4. THE CONTRACTOR SHALL MAKE INSPECTIONS A MINIMUM OF ONCE EVERY SEVEN DAYS OF THE FOLLOWING : 1) DISTURBED AREAS OF THE PROJECT SITE THAT HAVE NOT BEEN FULLY STABILIZED, 2) STRUCTURAL CONTROL MEASURES (SILT FENCE, ETC.) AND 3) LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE. AN ADDITIONAL INSPECTION OF THE ITEMS LISTED ABOVE MUST BE MADE WITHIN TWENTY- FOUR (24) HOURS OF A 0.5-INCH OR GREATER RAINFALL OR EQUIVALENT SNOWFALL.
5. GRASS AREAS DISTURBED OR DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ORIGINAL CONDITIONS. GRASS AREAS SHALL BE SEEDED AND COVERED WITH EXCELSIOR BLANKET AS INDICATED ON THE PLANS OR IN THE SPECIAL PROVISIONS.
6. DUST CONTROL
  - (1) WHEN DUST BLOWING FROM CONSTRUCTION SITES MAY BECOME A TRAFFIC HAZARD OR A DANGER TO THE HEALTH OR COMFORT TO PERSONS DOWNWIND, IT SHALL BE CONTROLLED EITHER PERMANENTLY OR TEMPORARILY DEPENDING UPON THE STATE OF DEVELOPMENT OF THE SITE. DUST CONTROL MEASURES SHALL BE TAKEN WHEN REQUIRED BY THE GOVERNING AUTHORITY.
  - (2) DUST PROBLEMS FROM ACTIVE CONSTRUCTION AREAS SHALL BE KEPT UNDER CONTROL BY MEANS OF WATERING DRY SURFACES AND/OR THE APPLICATION OF CALCIUM CHLORIDE. APPLICATION AND REPETITION RATES SHALL BE AS NECESSARY FOR EFFECTIVE CONTROL.
  - (3) IN THE EVENT OF SEVERE DUST PROBLEMS, THE GOVERNING AUTHORITY MAY STOP SUCH DUST- PRODUCING ACTIVITIES UNTIL THE PROBLEM IS RESOLVED.
  - (4) CONTRACTOR SHALL BE RESPONSIBLE TO TAKE NECESSARY MEASURES TO CONTROL DUST SO THERE WILL BE NO DUST PROBLEMS FOR ADJACENT RESIDENTS CAUSED BY CONSTRUCTION ACTIVITIES.
7. CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED TO MINIMIZE THE TIME SOIL IS EXPOSED AND UNPROTECTED. IN NO CASE SHALL THE EXISTING VEGETATION BE DESTROYED, REMOVED, OR DISTURBED MORE THAN FOURTEEN (14) CALENDAR DAYS PRIOR TO THE INITIATION OF IMPROVEMENTS.



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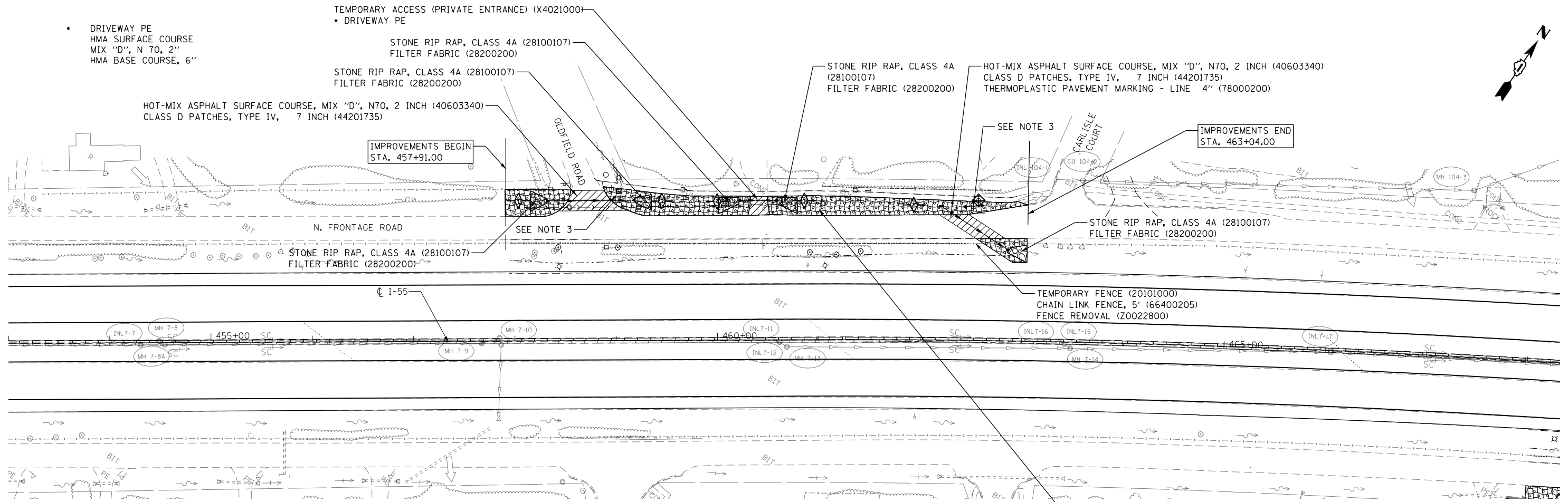
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 FRONTAGE ROAD OLDFIELD RD. TO CARLISLE CT.  
EROSION CONTROL, SEEDING, AND REMOVAL PLAN**

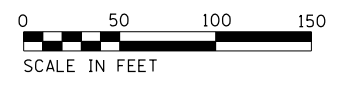
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T	DUPAGE	40	20
CONTRACT NO. 60Y98			ILLINOIS FED. AID PROJECT	



EXISTING		LEGEND		PROPOSED	
-----	STORM CULVERT	-----		-----	
-----	R.O.W.	-----		-----	
	INLET AND PIPE PROTECTION (USING PERIMETER EROSION BARRIER, 28000400)				
	STONE RIPRAP, CLASS A4 (28100107)				
	INLET FILTERS (28000510)				
	STORM PIPE				
	PERIMETER EROSION BARRIER (28000400)				
	EROSION CONTROL BLANKET (25100630) WITH CLASS 2A MIXTURE SEEDING (25000210)				
	SURFACE FLOW				
	DITCH FLOW				
	TEMPORARY DITCH CHECK (28000305)				
	PAVEMENT REMOVAL AND REPLACE				

NOTE:  
 1. THE LABELED SEEDING AREA HAS COVERED THE MAXIMUM POTENTIAL AREA THAT COULD BE DISTURBED. FOR THOSE AREAS THAT ARE NOT DISTURBED BY CONSTRUCTION ACTIVITIES AND CONSTRUCTION EQUIPMENT, THE SEEDING IS NOT NEEDED.  
 2. IF THE CONSTRUCTION ACTIVITY IS SCHEDULED TO CEASE FOR MORE THAN 15 CALENDAR DAYS, TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED TO THE DISTURBED PERVIOUS AREA. TEMPORARY SEEDING SHALL CONSIST OF IDOT CLASS 7 SEED MIXTURE (100 LB/ACRE) AND WOOD FIBER MULCH (METHOD 2) CONTAINING A PRE-BLENDED CHEMICAL TACKIFIER.  
 3. RELOCATE SIGN PANEL ASSEMBLY-TYPE A (72400500)



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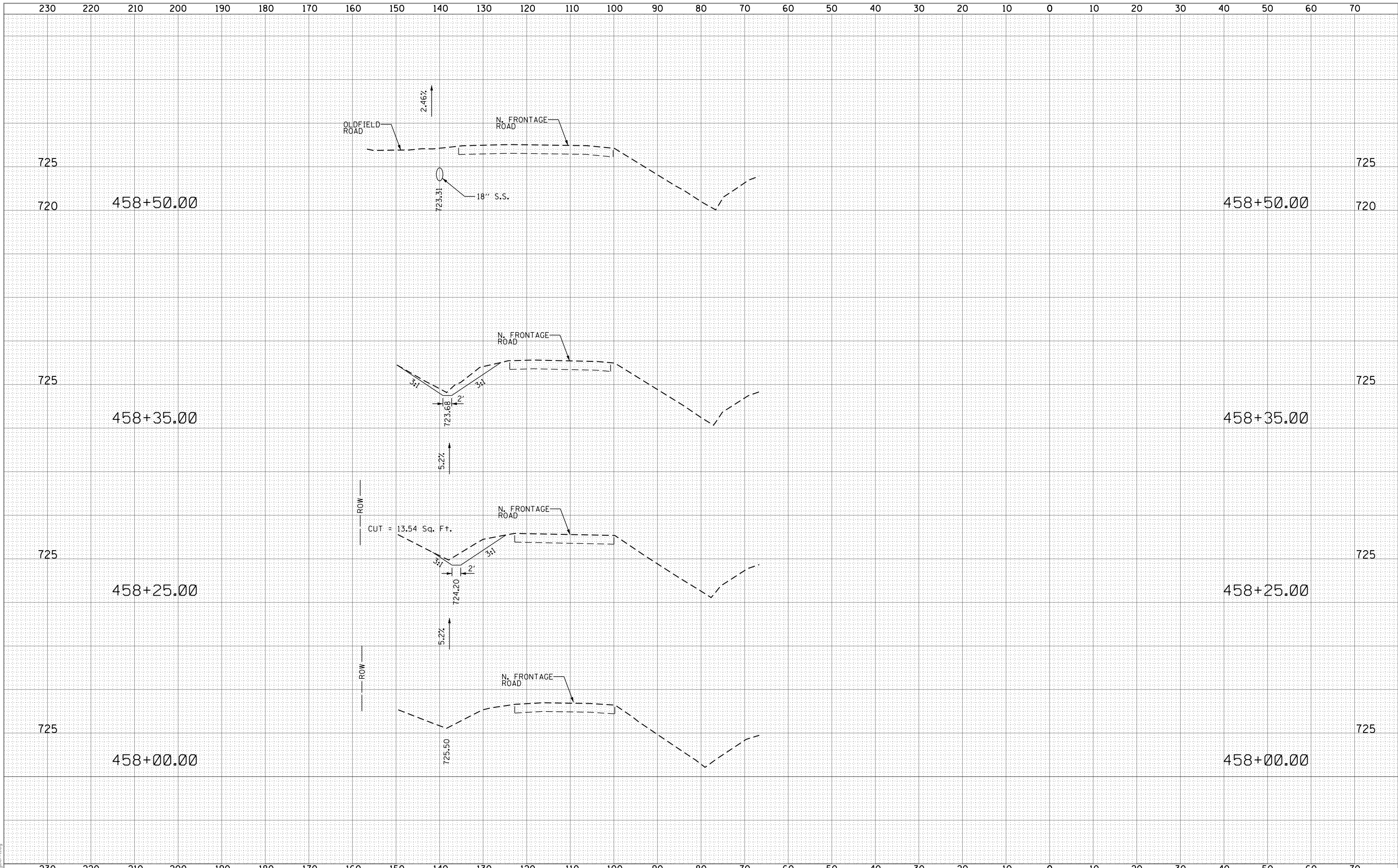
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 FRONTAGE ROAD OLDFIELD RD. TO CARLISLE CT.**  
**EROSION CONTROL, SEEDING, AND REMOVAL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T	DUPAGE	40	21
CONTRACT NO. 60Y98				
ILLINOIS FED. AID PROJECT				



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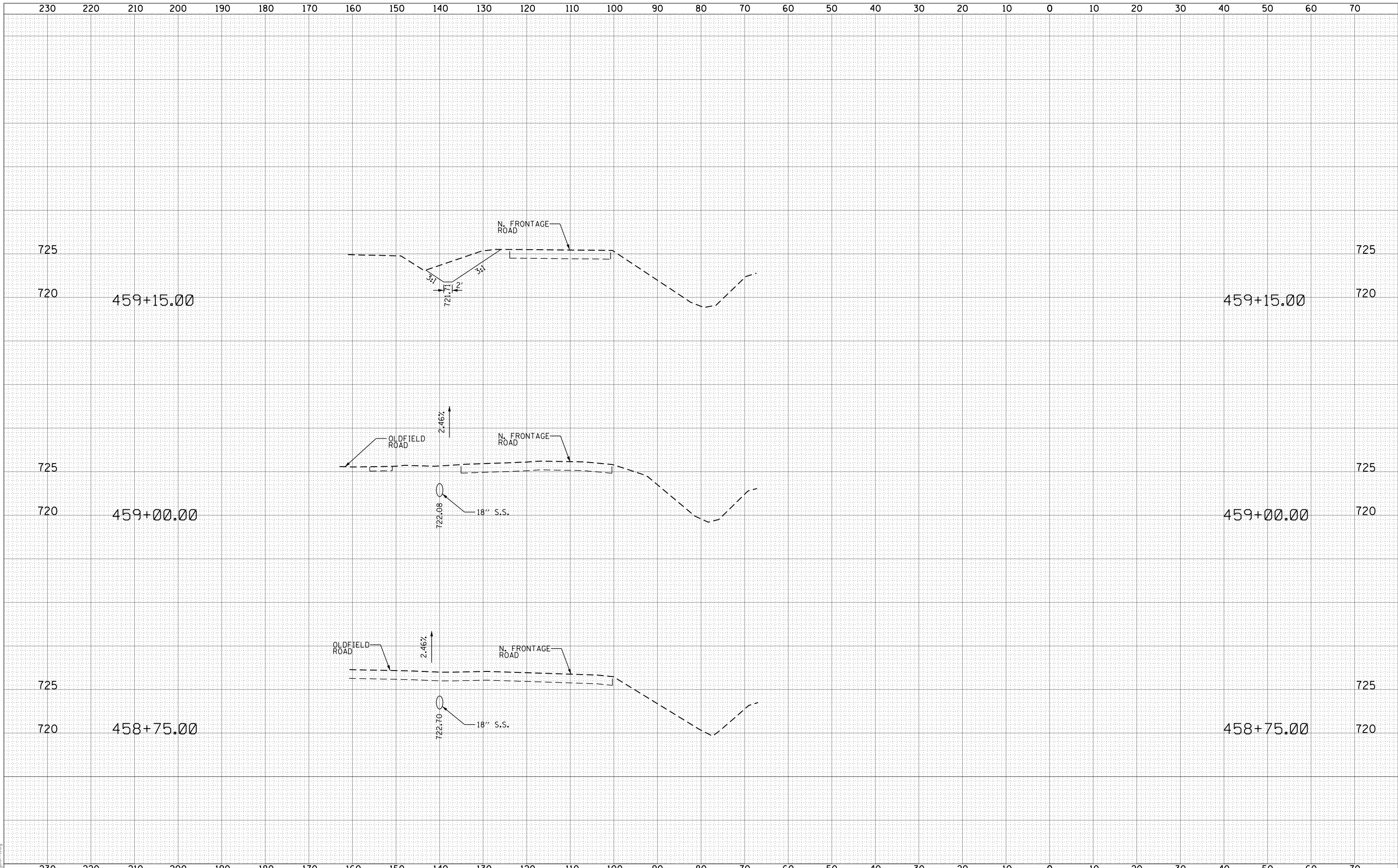
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**I-55 FRONTAGE ROAD  
 CROSS SECTIONS - OLDFIELD ROAD TO CARLISLE COURT**

SCALE: 10'=1"H/5'=1"V SHEET OF SHEETS STA. 458+00.00 TO STA. 458+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-R5&T	DUPAGE	40	22
CONTRACT NO. 60Y98			ILLINOIS FED. AID PROJECT	





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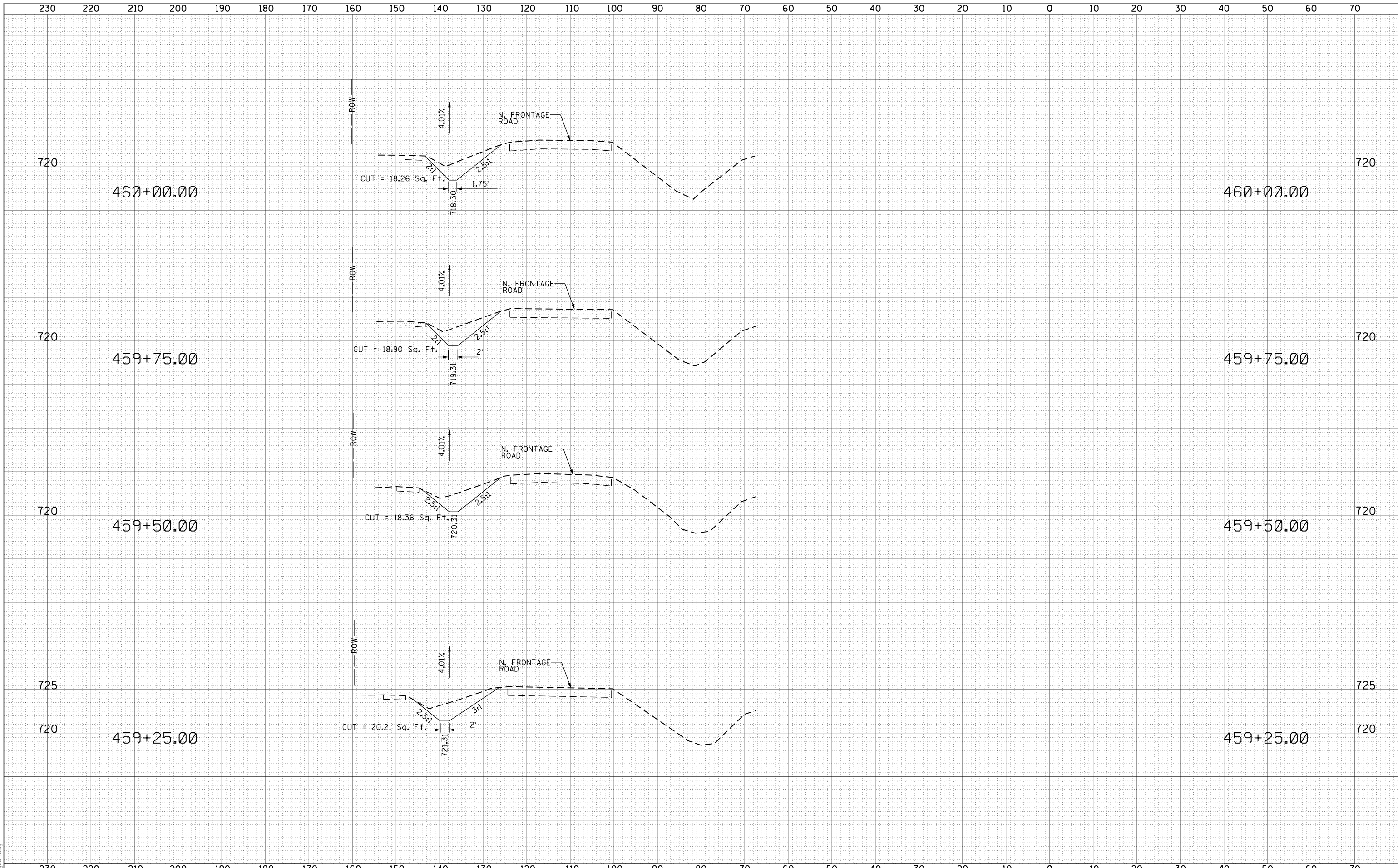
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**I-55 FRONTAGE ROAD  
 CROSS SECTIONS - OLDFIELD ROAD TO CARLISLE COURT**

SCALE: 10'=1"H/5'=1"V SHEET OF SHEETS STA. 458+75.00 TO STA. 459+15.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-R5&T	DUPAGE	40	23
CONTRACT NO. 60Y98				

ILLINOIS FED. AID PROJECT



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 3100 Dundee Road, Suite 502, Northbrook, IL 60062  
 847.753.8020 office 847.753.8023 fax

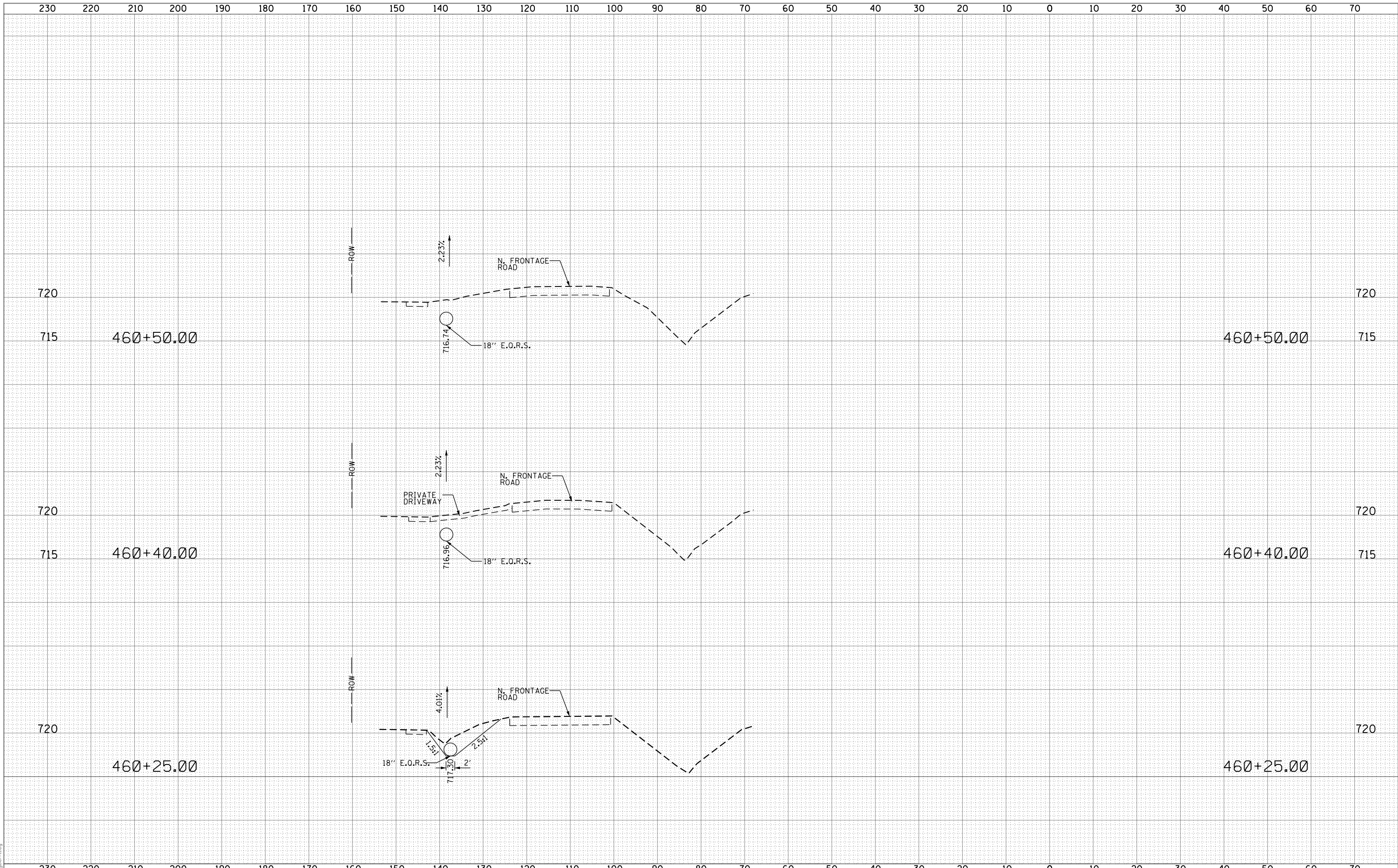
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CHECKED - YO	REVISED -
DATE - 5/02/2016	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**I-55 FRONTAGE ROAD  
 CROSS SECTIONS - OLDFIELD ROAD TO CARLISLE COURT**

SCALE: 10'=1"H/5'=1"V SHEET OF SHEETS STA. 459+25.00 TO STA. 460+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-R5&T	DUPAGE	40	24
CONTRACT NO. 60Y9B			ILLINOIS FED. AID PROJECT	



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**AEG** Ltd.  
 3100 Dundee Road, Suite 502, Northbrook, IL 60062  
 847.753.8020 office 847.753.8023 fax

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DATE - 5/02/2016	REVISED -

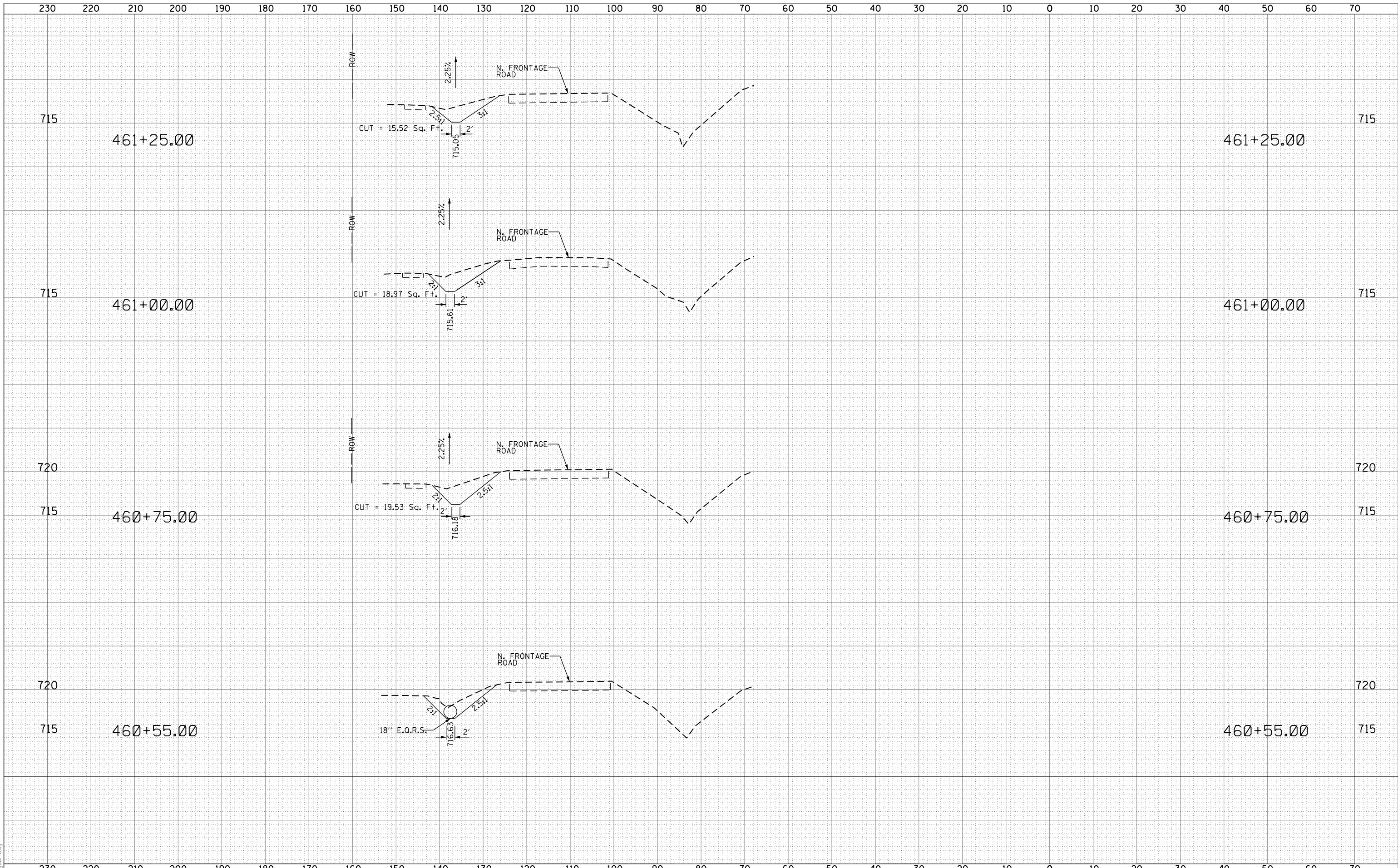
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**I-55 FRONTAGE ROAD  
 CROSS SECTIONS - OLDFIELD ROAD TO CARLISLE COURT**

SCALE: 10'=1"H/5'=1"V SHEET OF SHEETS STA. 460+25.00 TO STA. 460+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-R5&T	DUPAGE	40	25
CONTRACT NO. 60Y98				

ILLINOIS FED. AID PROJECT



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 USER NAME = angbert@idg

**AEG** Ltd.  
 3100 Dundee Road, Suite 502, Northbrook, IL 60062  
 847.753.8020 office 847.753.8023 fax

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DATE - 5/02/2016	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

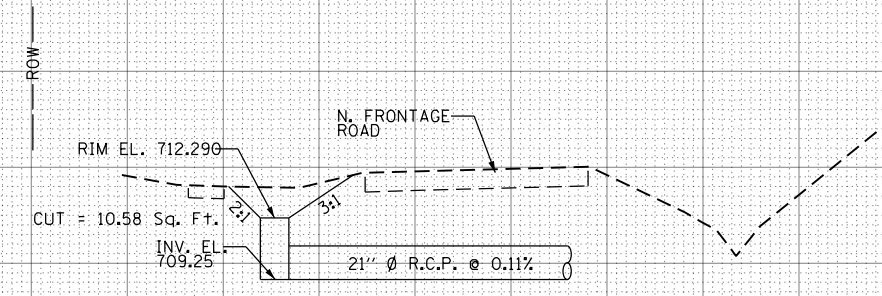
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 CROSS SECTIONS - OLDFIELD ROAD TO CARLISLE COURT**  
 SCALE: 10'=1"H/5'=1"V SHEET OF SHEETS STA. 460+55.00 TO STA. 461+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-R5&T		40	26
CONTRACT NO. 60Y98			ILLINOIS FED. AID PROJECT	

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715

462+20.00

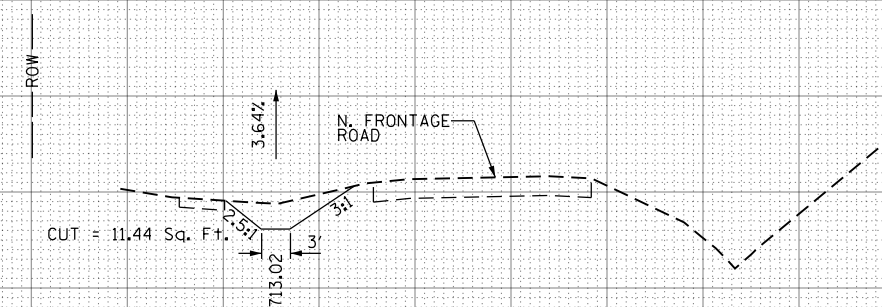


715

462+20.00

715

462+00.00

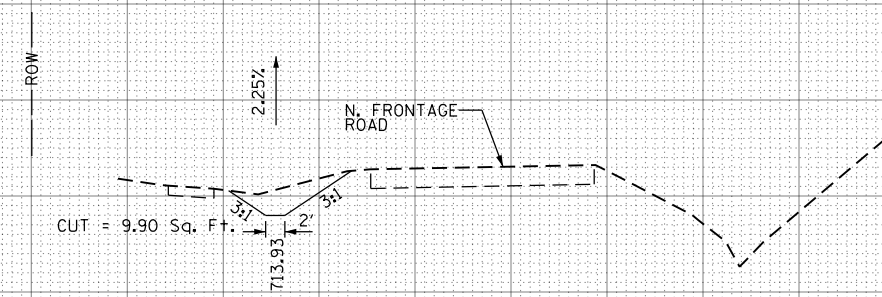


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462+00.00

715

461+75.00

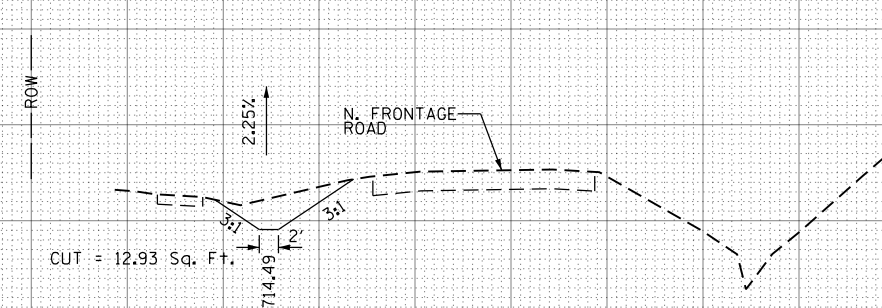


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461+75.00

715

461+50.00



715

461+50.00

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**AEG** Ltd.  
 3100 Dundee Road, Suite 502, Northbrook, IL 60062  
 847.753.8020 office 847.753.8023 fax

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DATE - 5/02/2016	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 FRONTAGE ROAD**  
**CROSS SECTIONS - OLDFIELD ROAD TO CARLISLE COURT**

SCALE: 10'=1"H/5'=1"V SHEET OF SHEETS STA. 461+50.00 TO STA. 462+20.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T	DUPAGE	40	27
CONTRACT NO. 60Y98			ILLINOIS FED. AID PROJECT	

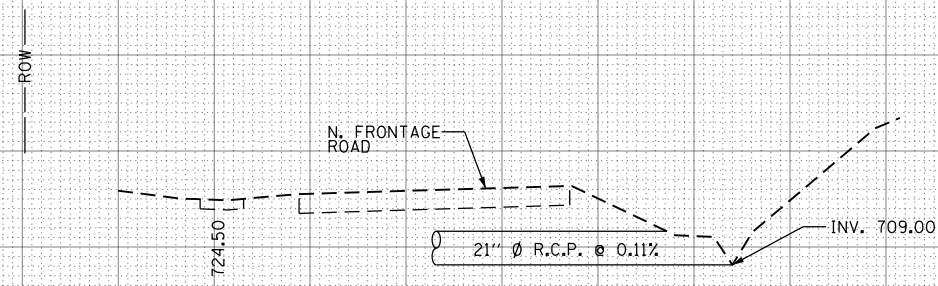


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715

710

462+75.00



715

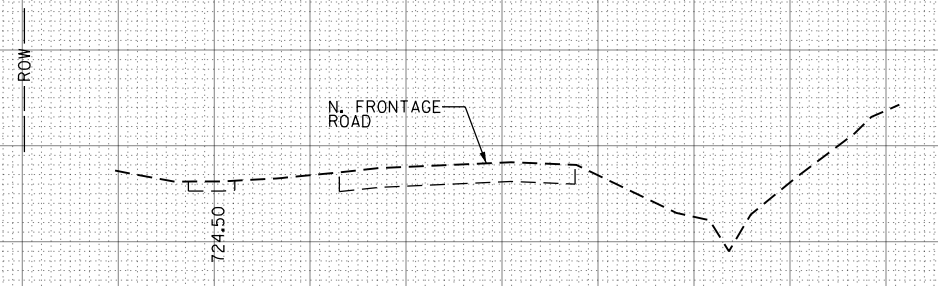
710

462+75.00

715

710

462+50.00



715

710

462+50.00

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 PLOT SCALE = 20.0000 / 1"  
 USER NAME = angbert14

**AEG** Ltd.  
 3100 Dundee Road, Suite 502, Northbrook, IL 60062  
 847.753.8020 office 847.753.8023 fax

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DATE - 5/02/2016	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 FRONTAGE ROAD**  
**CROSS SECTIONS - OLDFIELD ROAD TO CARLISLE COURT**

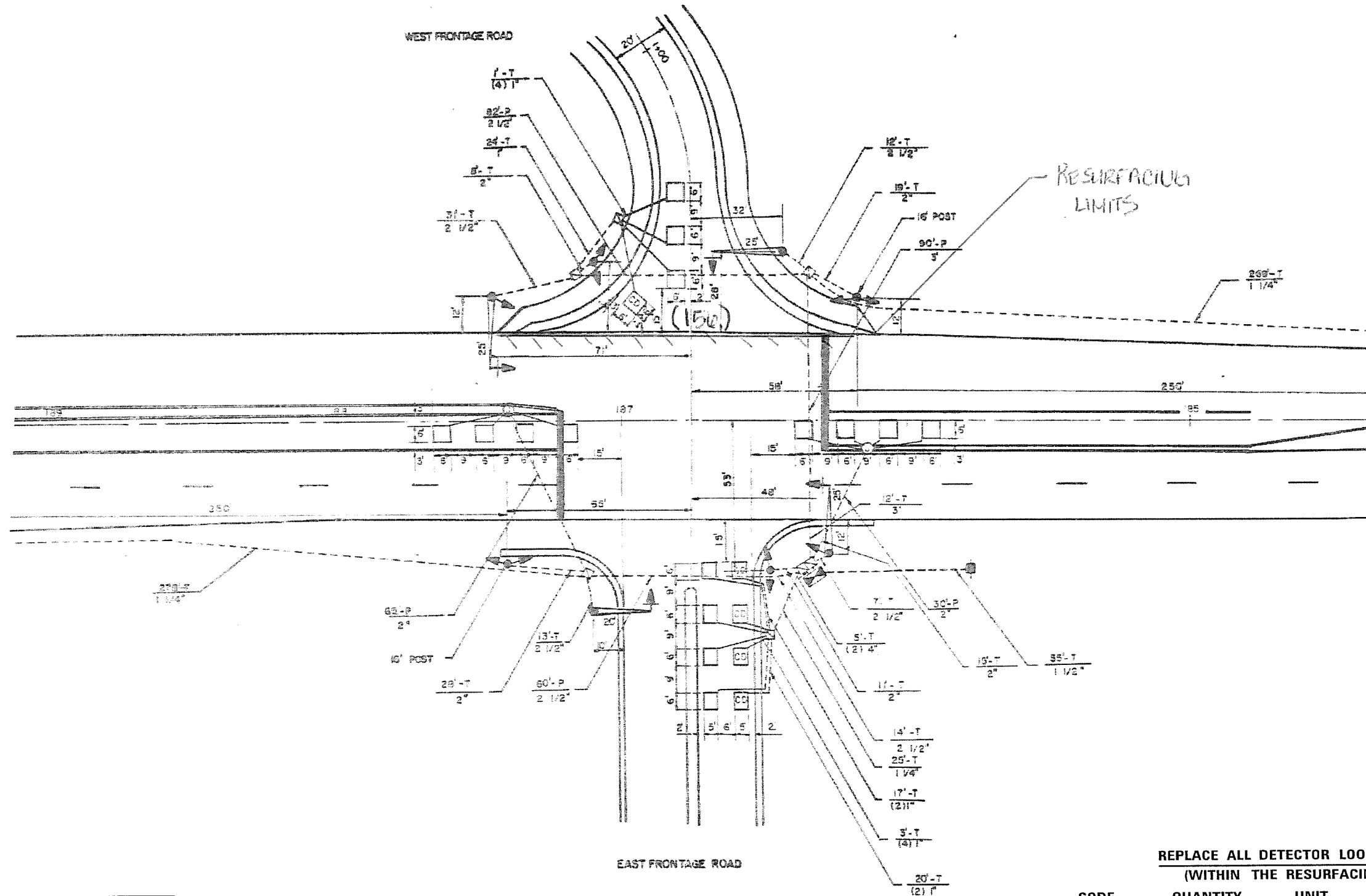
SCALE: 10'=1"H/5'=1"V SHEET OF SHEETS STA. 462+50.00 TO STA. 462+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-R5&T	DUPAGE	40	28
CONTRACT NO. 60Y98			ILLINOIS FED. AID PROJECT	

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

CODE	QUANTITY	UNIT	ITEM
88600600	154	FOOT	DETECTOR LOOP REPLACEMENT

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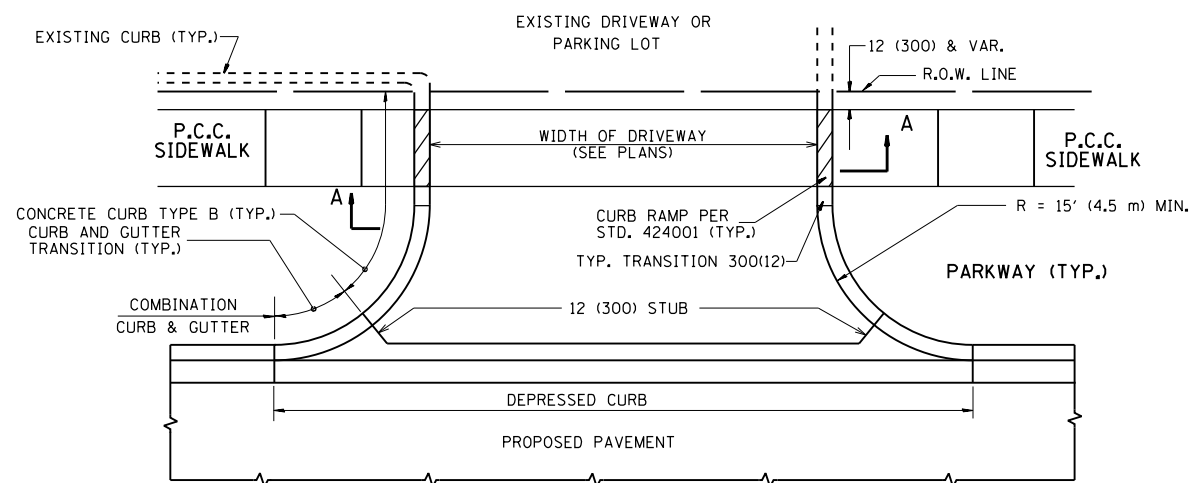
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT  
I-55 Frontage Road at Cass Ave**

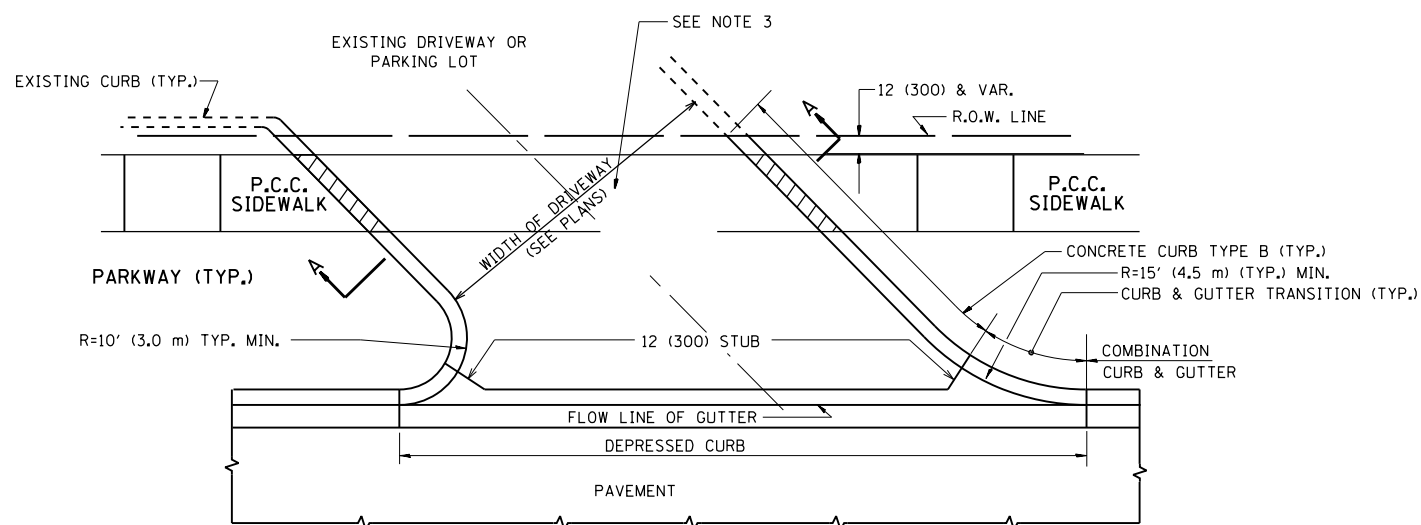
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F.A. RTE.	SECTION	COLNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS	DUPAGE	40	29
CONTRACT NO. 60Y98				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

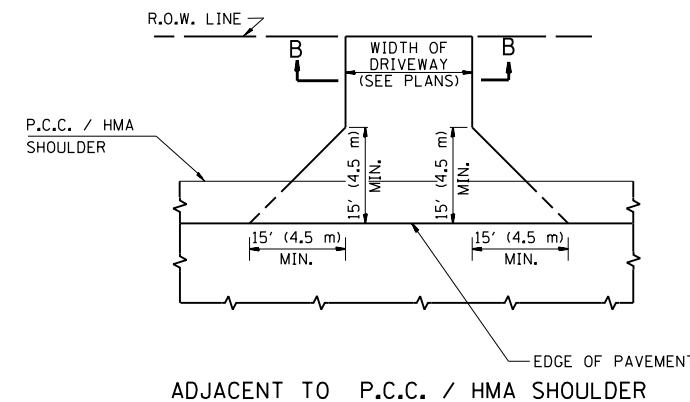
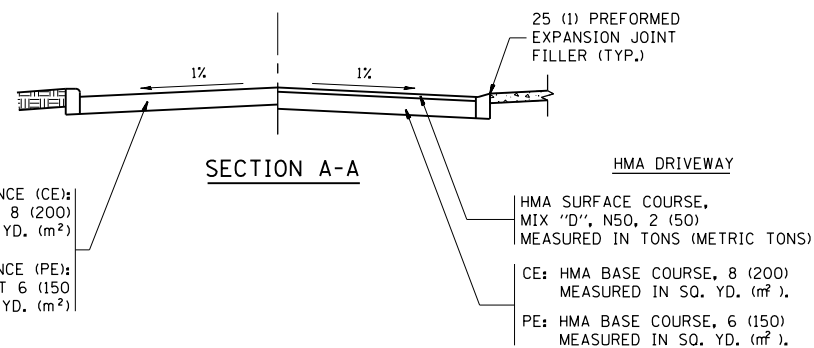




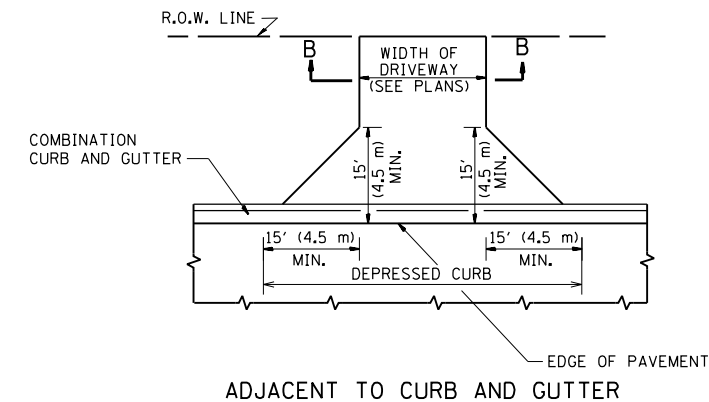
WITH CONCRETE CURB, TYPE B



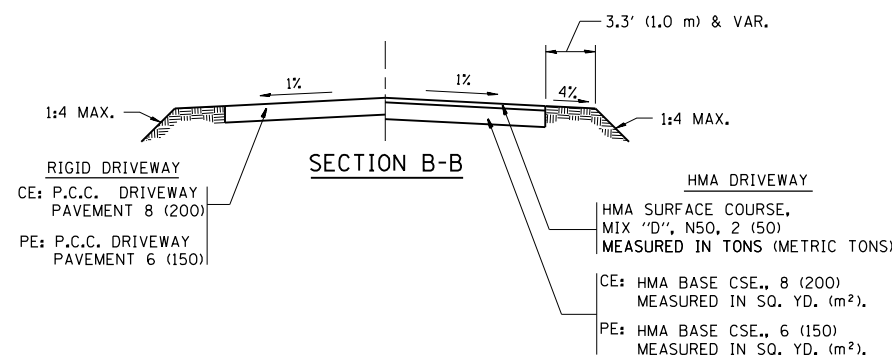
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



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. (m<sup>2</sup>).

**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.

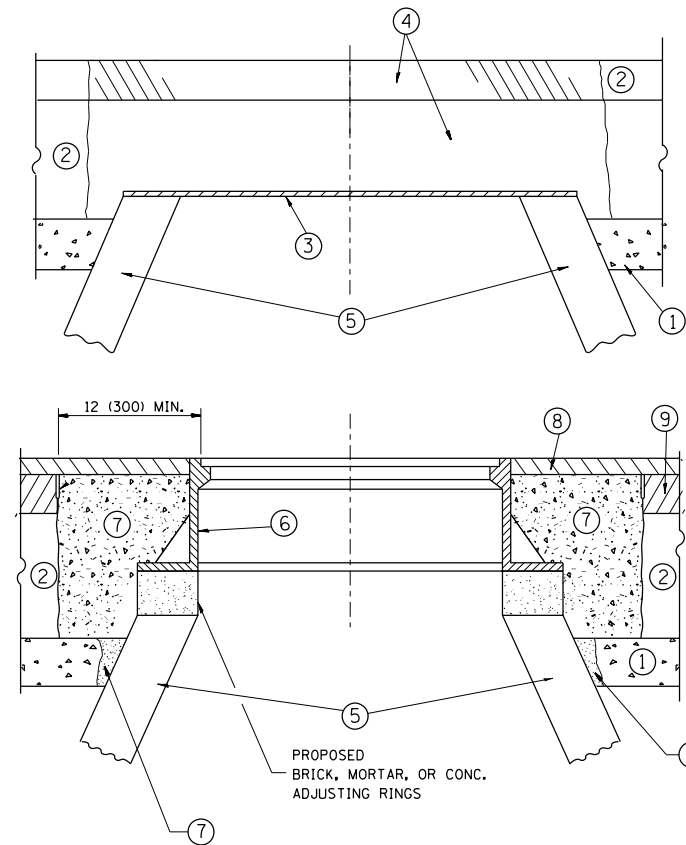
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME =	USER NAME = Velichkovv	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI045\BDRW\Design\DistStd.dgn		CHECKED -	REVISED - R. BORO 01-01-07
		DATE - 11-04-95	REVISED - R. BORO 06-11-08
			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.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T	DuPAGE	40	30
BD0156-07 (BD-01)		CONTRACT NO. 60Y98		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

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

**STAGE 2 (AFTER PAVEMENT MILLING)**

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

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

**LEGEND**

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

**LOCATION OF STRUCTURES:**

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

**BASIS OF PAYMENT:**

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

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

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

**NOTES:**

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

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

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

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

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

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

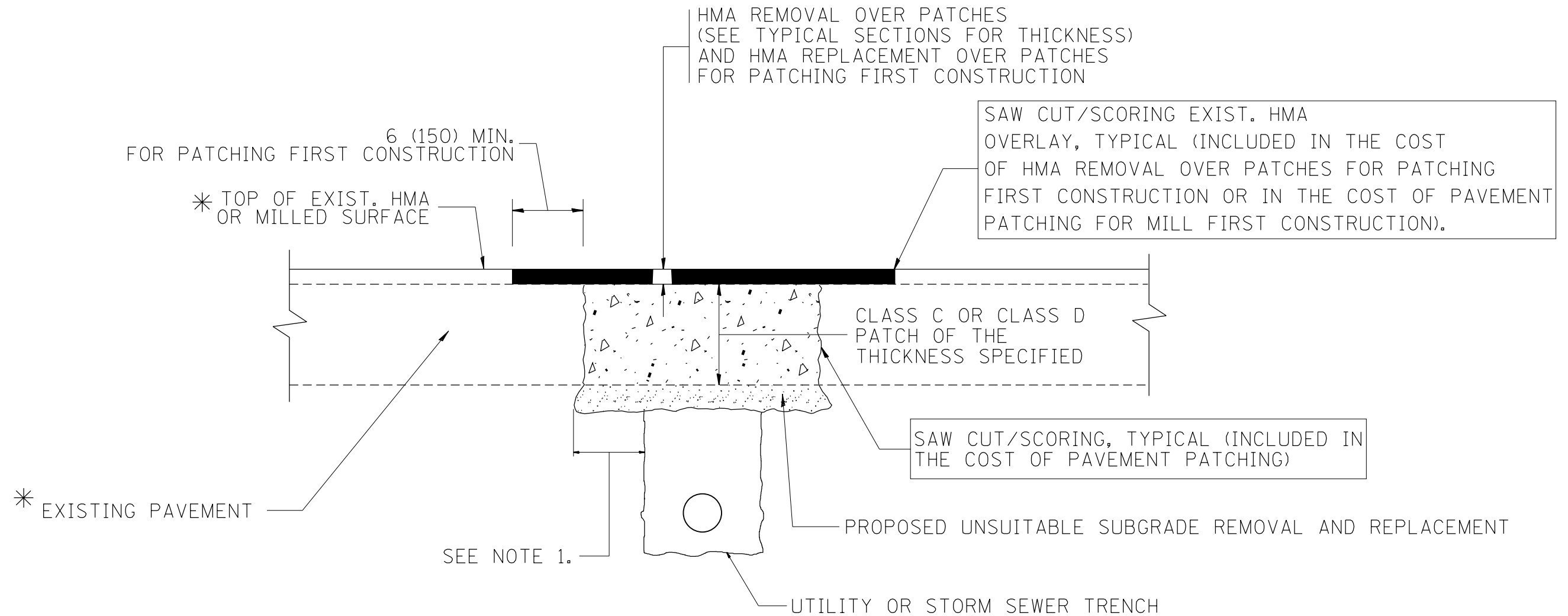
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pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI045\Drawings\Design\DistStd.dgn			REVISED - R. BORO 01-01-07
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	PLOT DATE = 5/20/2016	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T	DuPAGE	40	31
<b>BD600-03 (BD-8)</b>		<b>CONTRACT NO. 60Y98</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



\* 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 = Velichkovv	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI045\Drawings\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					55	2014-063-RS&T	DuPAGE	40	32
	PLOT DATE = 5/20/2016	DATE - 10-25-94	REVISED - R. BORO 09-04-07		<b>BD400-04 (BD-22)</b>			<b>CONTRACT NO. 60Y98</b>				
			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.

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.

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.

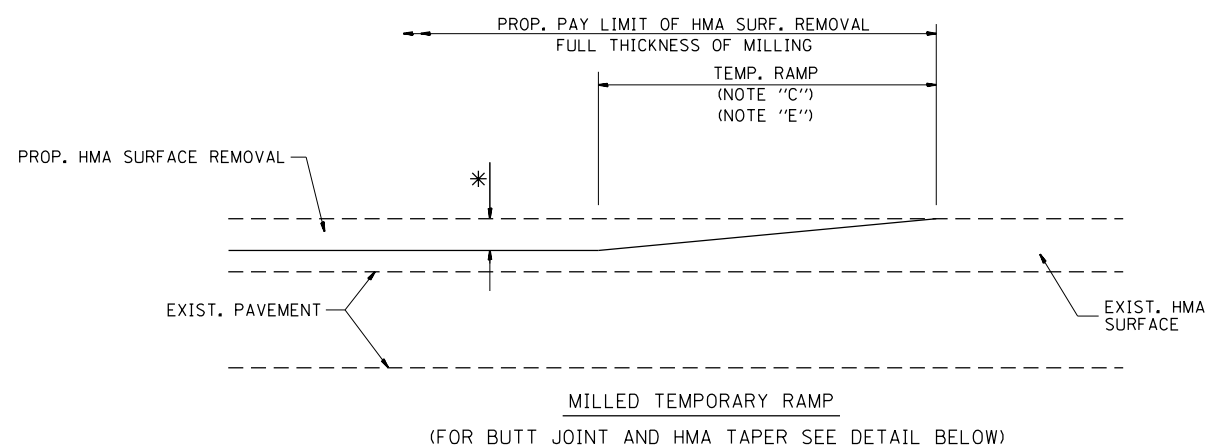
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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".

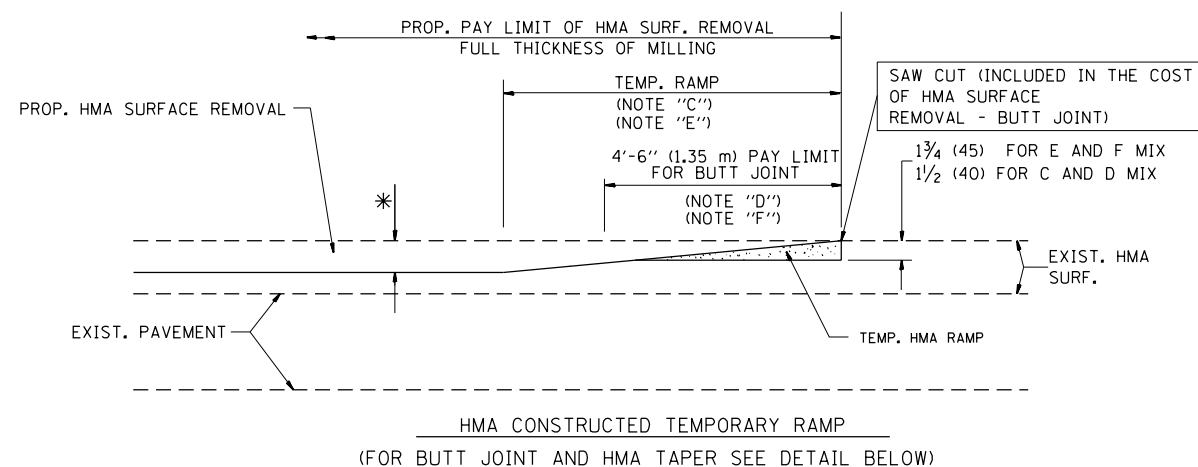
# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = Velichkovv	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>			F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI045\Drawings\Design\DistStd.dgn			REVISED - A. ABBAS 03-21-97					55	2014-063-RS&T	DuPAGE	40	33
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 01-22-01	REVISED - R. BORO 12-15-09		<b>BD600-06 (BD-24)</b>			<b>CONTRACT NO. 60Y98</b>				
PLOT DATE = 5/20/2016	DATE - 03-11-94				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT		

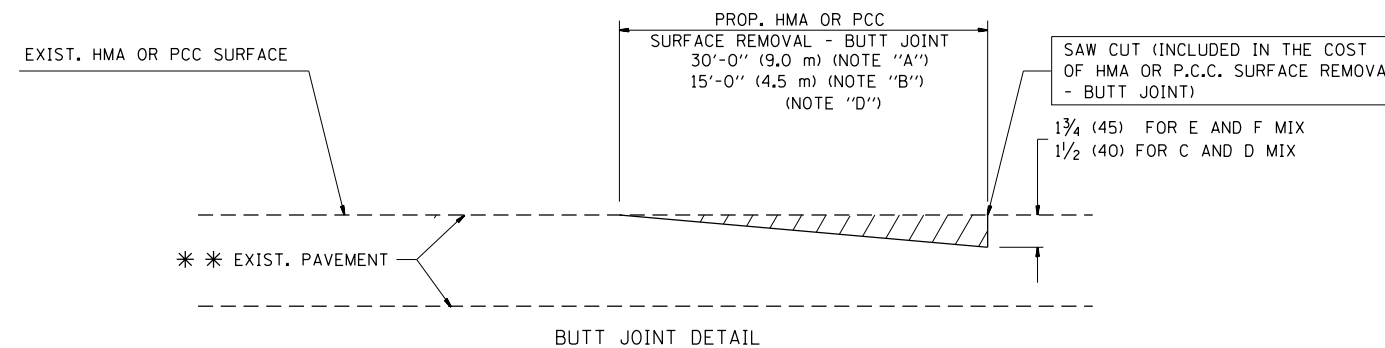


**OPTION 1**

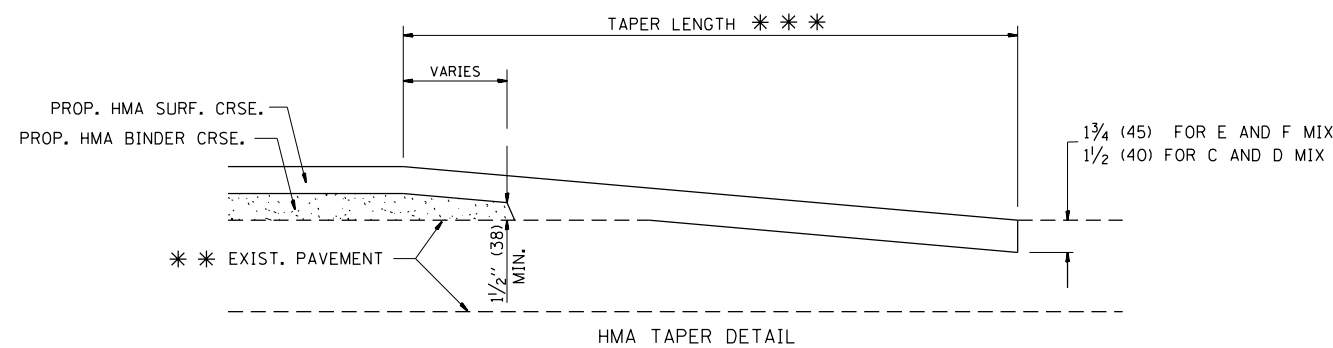


**OPTION 2**

**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.

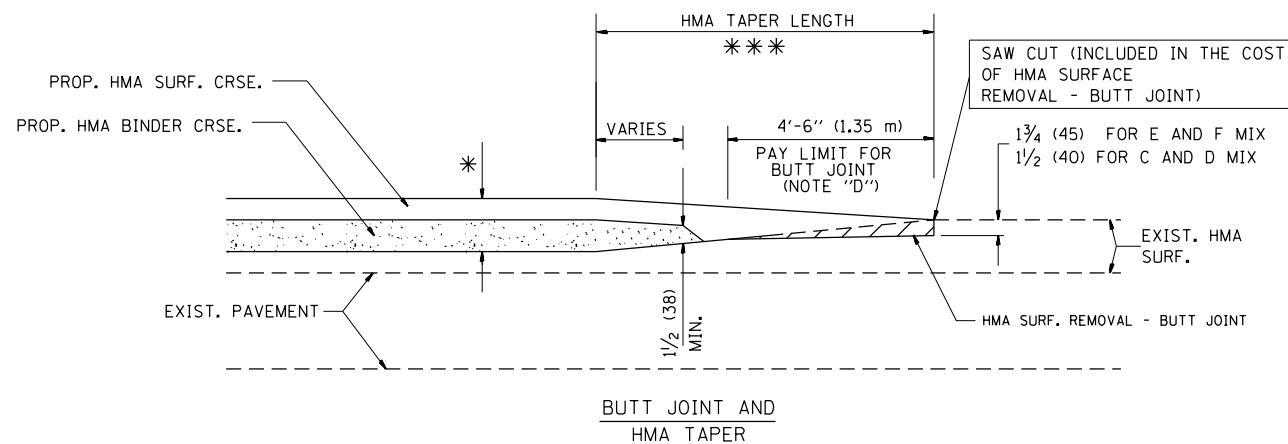
**NOTES**

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - B: MINOR SIDE ROADS.
  - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
  - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
  - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \* \* \* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT:**

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

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



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

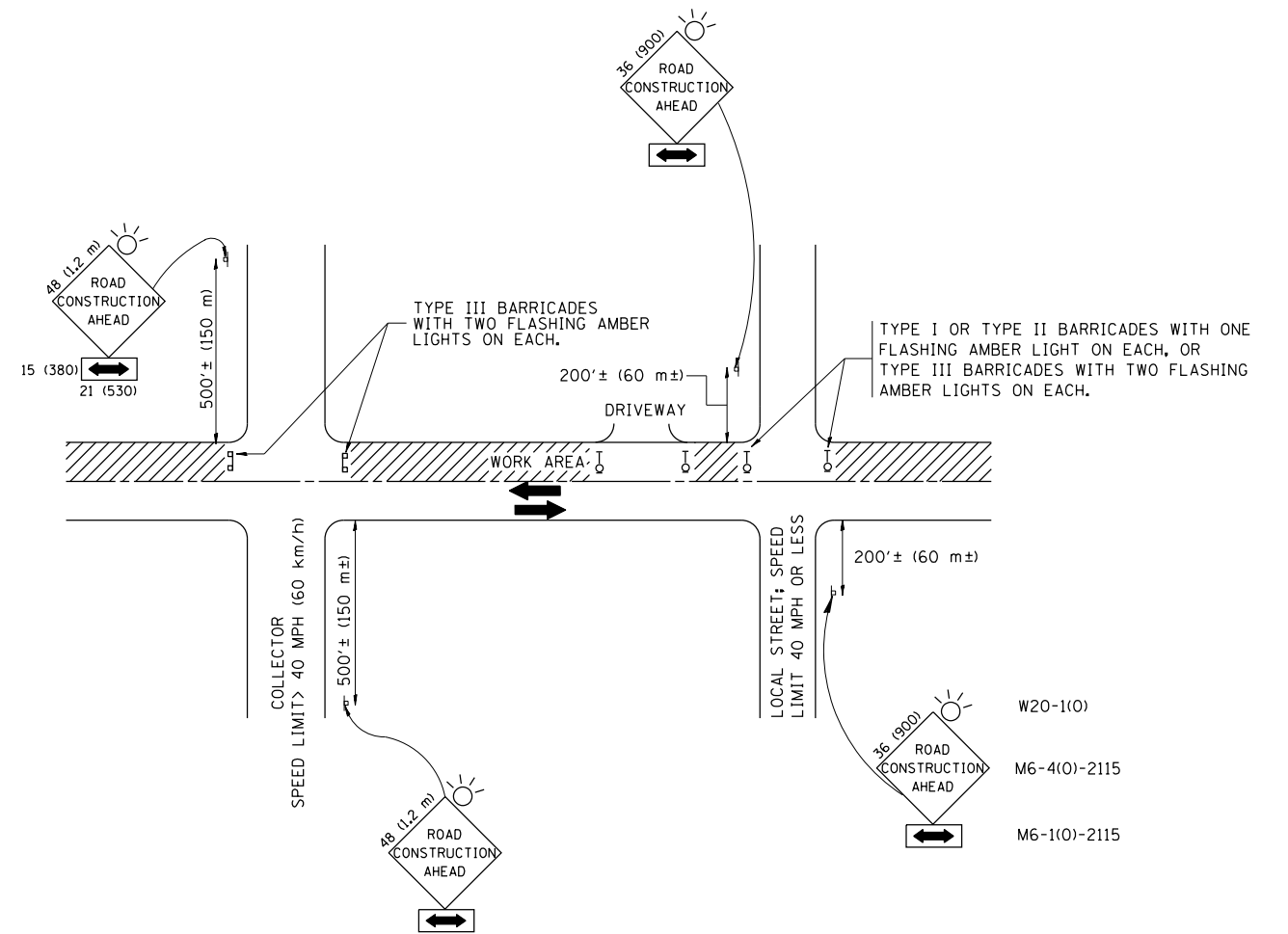
FILE NAME =	USER NAME = Velichkovv	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
p:\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI045\Drawings\Design\DistStd.dgn			REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 5/20/2016	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.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T	DuPAGE	40	34
BD400-05 BD32		CONTRACT NO. 60Y98		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
  1. 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:
    - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) 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.
  2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) 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.
    - b) 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.
  3. 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).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

  - C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
  - D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

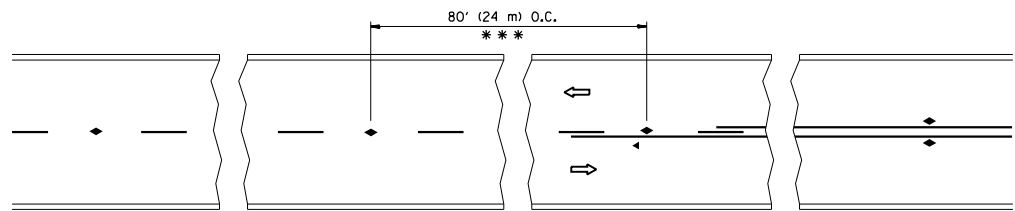
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 5/20/2016	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

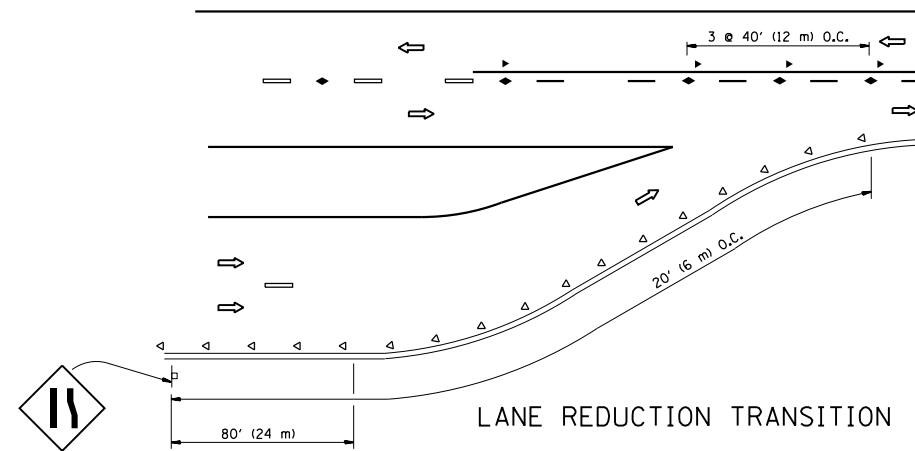
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 60Y98	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

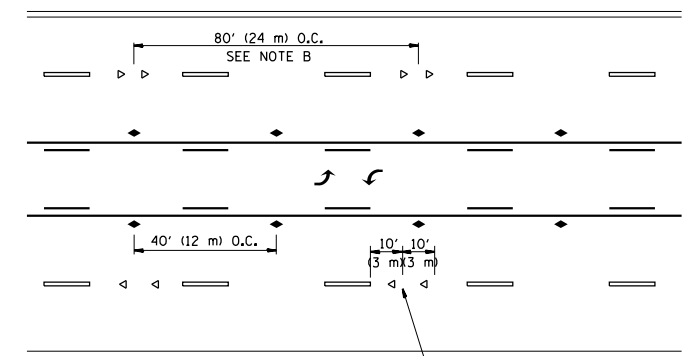


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

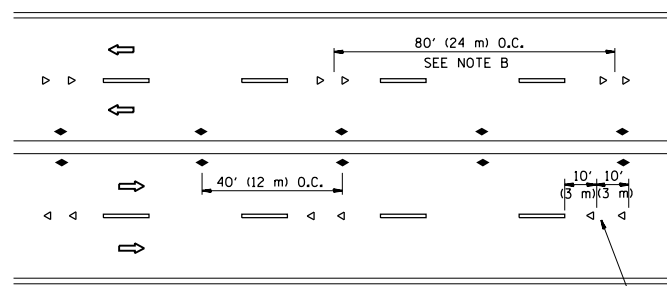
TWO-LANE/TWO-WAY



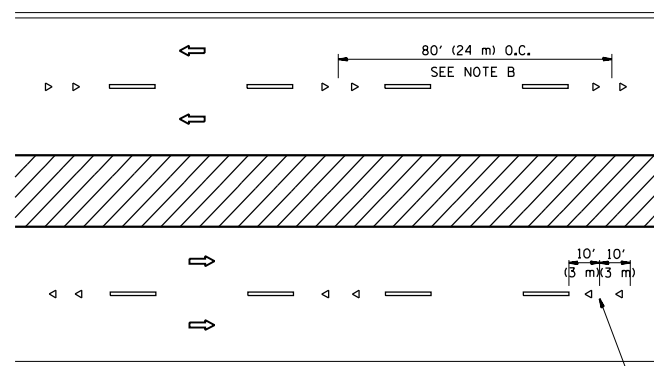
LANE REDUCTION TRANSITION



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

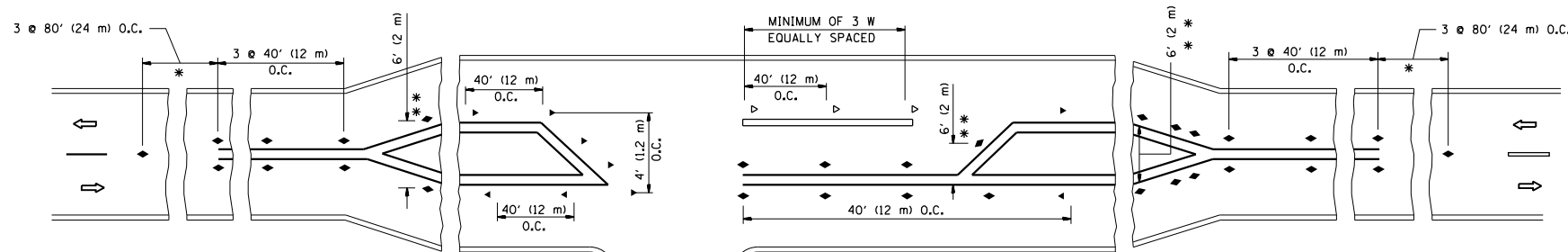
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



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

LEFT TURN

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

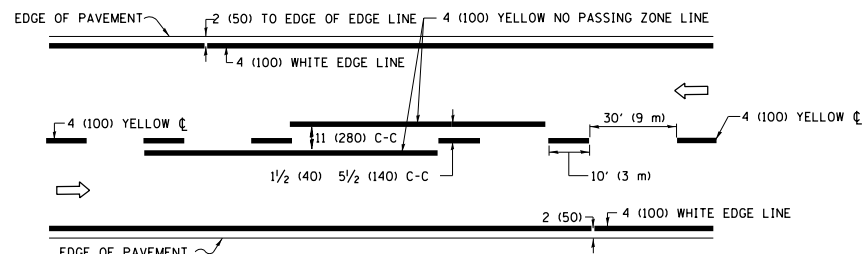
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		DATE -	REVISED - T. RAMMACHER 01-06-00
			REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

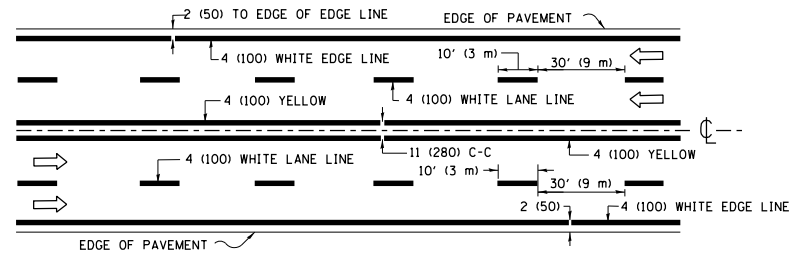
TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-11		CONTRACT NO. 60Y98		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

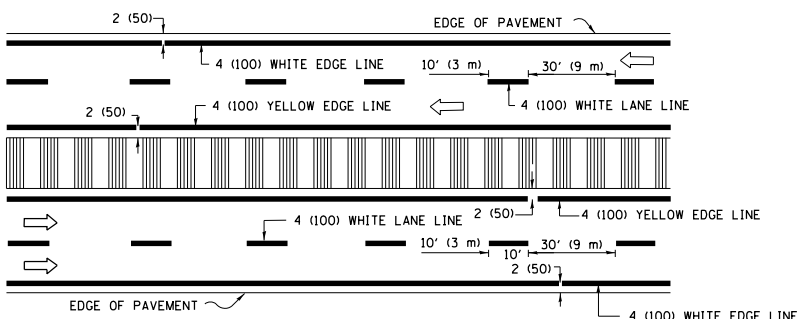




**2-LANE ROADWAY**

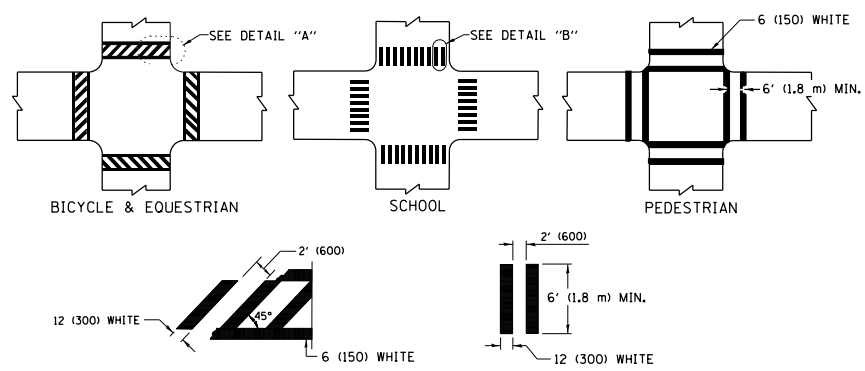


**MULTI-LANE UNDIVIDED**



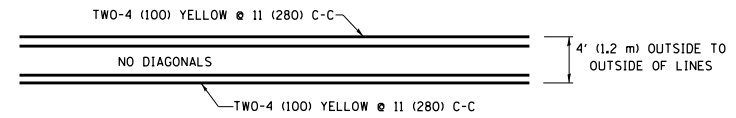
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

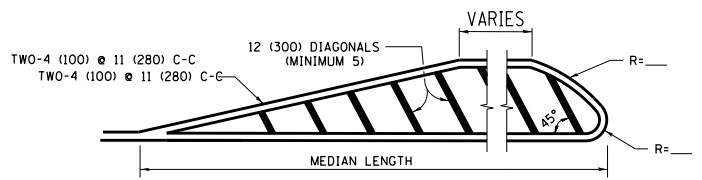


**TYPICAL CROSSWALK MARKING**

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

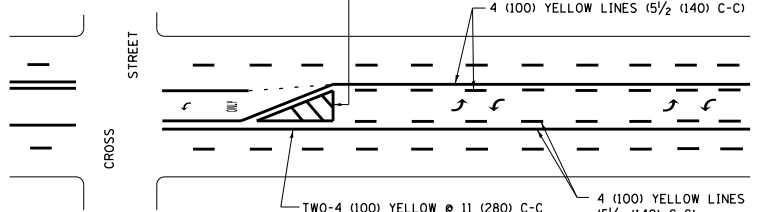


**4' (1.2 m) WIDE MEDIANS ONLY**



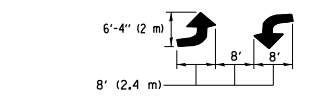
**MEDIANS OVER 4' (1.2 m) WIDE**

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))



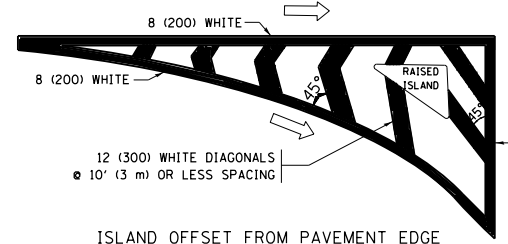
**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**

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.

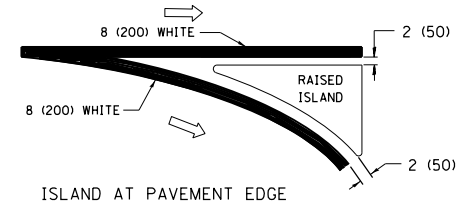


**TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING**

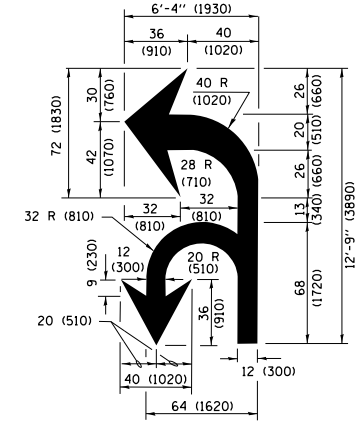
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



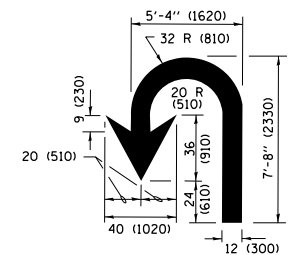
**ISLAND OFFSET FROM PAVEMENT EDGE**



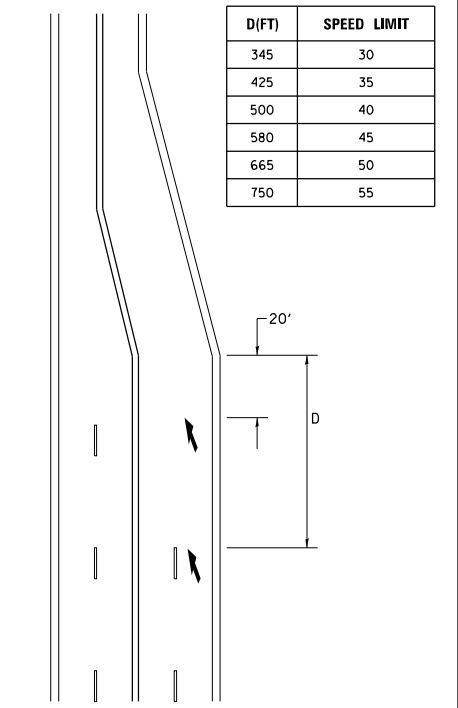
**ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**



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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (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" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

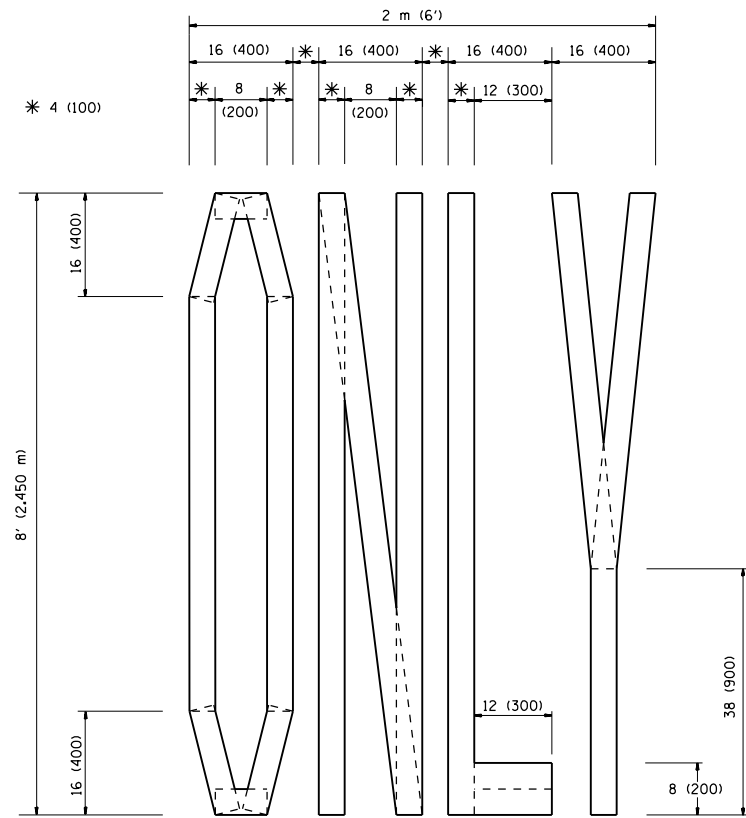
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pw\1\084EBIDINTEG\illinois.gov\PIWDD\Documents\DOT Offices\District 1\Projects\DI045\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 5/20/2016		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

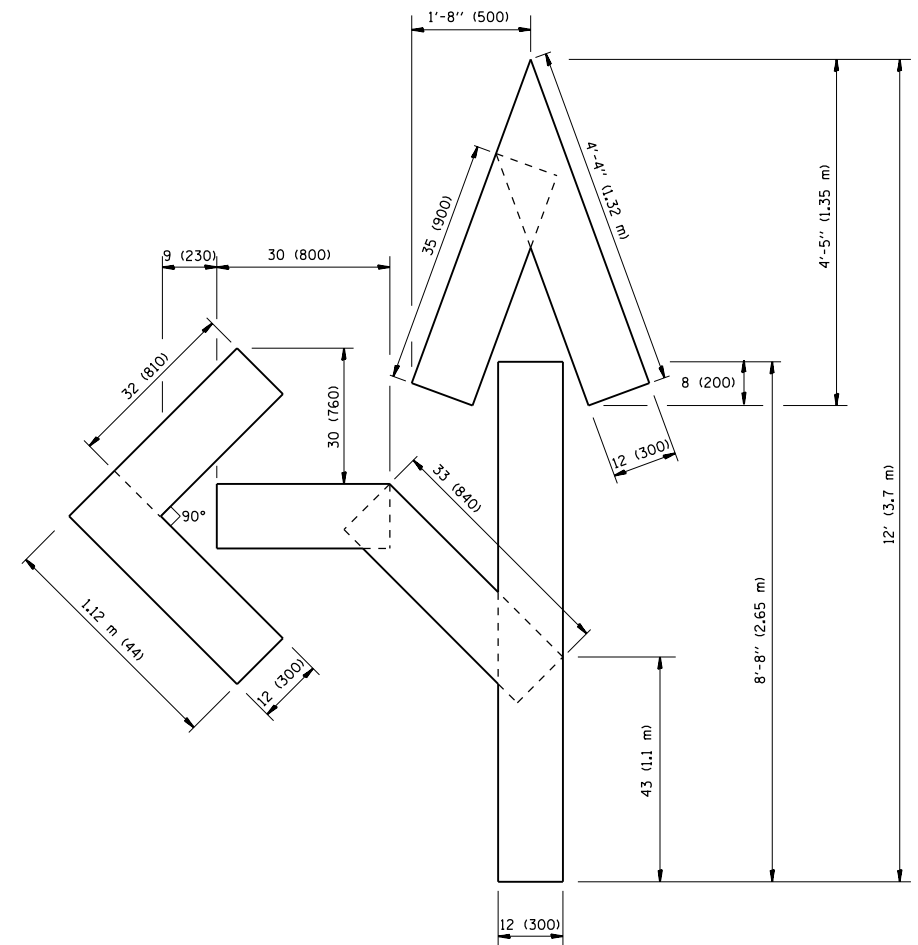
**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

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

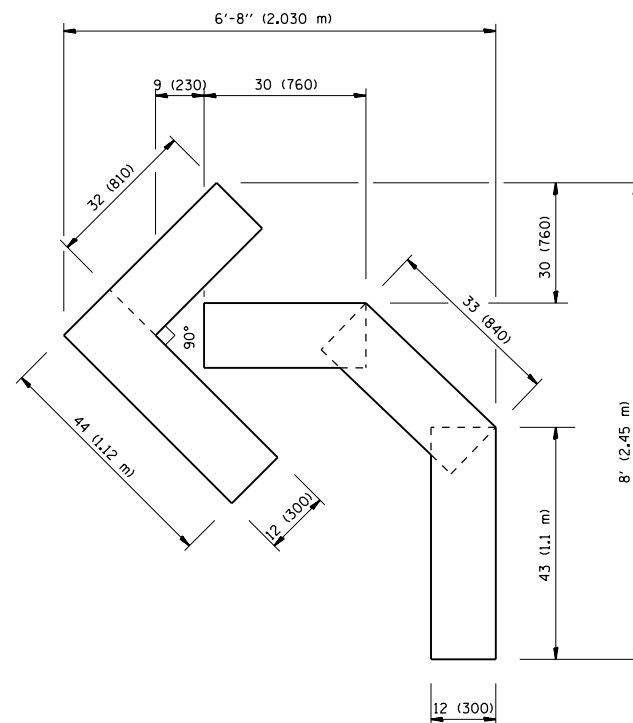
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T	DuPAGE	40	37
<b>TC-13</b>		<b>CONTRACT NO. 60Y98</b>		
ILLINOIS FED. AID PROJECT				



QUANTITY  
 4 (100) LINE = 64.1 ft. (19.7 m)  
 21.1 sq. ft. (1.97 sq. m)



QUANTITY  
 4 (100) LINE = 82.5 ft. (25.3 m)  
 27.5 sq. ft. (2.53 sq. m)



QUANTITY  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.39 sq. m)

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

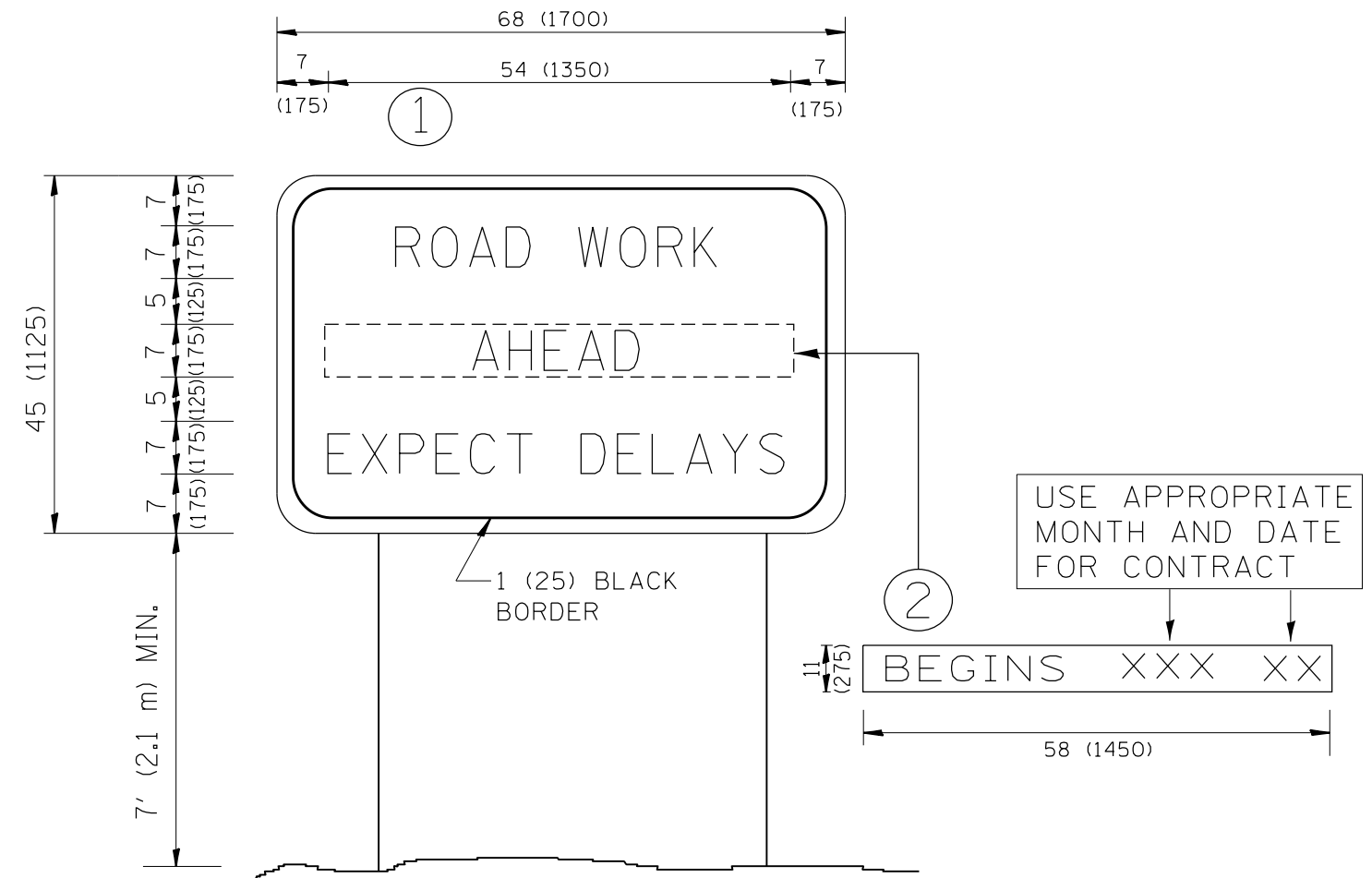
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		CHECKED -	REVISED -T. RAMMACHER 03-02-98
		DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS  
 FOR TRAFFIC STAGING

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T	DuPAGE	40	38
TC-16			CONTRACT NO. 60Y98	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

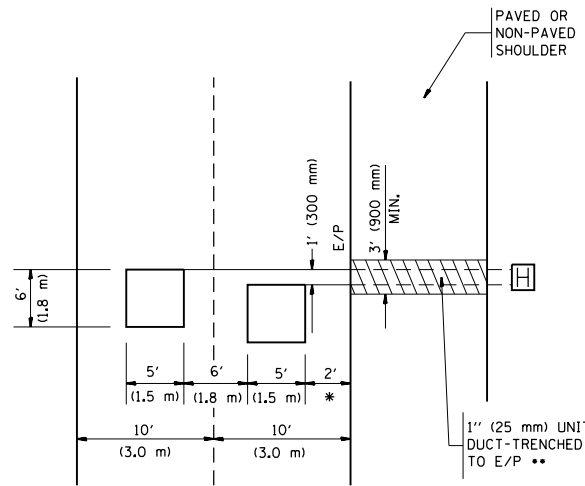
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.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

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

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED - R. MIRS 09-15-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI045\Drawings\Design\DistStd.dgn	DRAWN -	REVISED - R. MIRS 12-11-97	55			2014-063-RS&T	DuPAGE	40	39	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	<b>TC-22</b>			<b>CONTRACT NO. 60Y98</b>				
PLOT DATE = 5/20/2016	DATE -	REVISED - C. JUCIUS 01-31-07	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

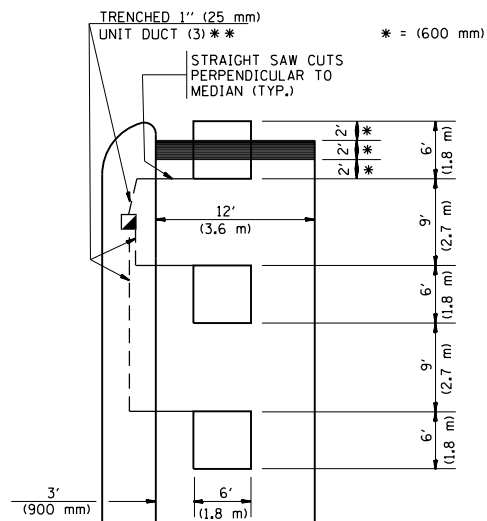


\* = (600 mm)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)

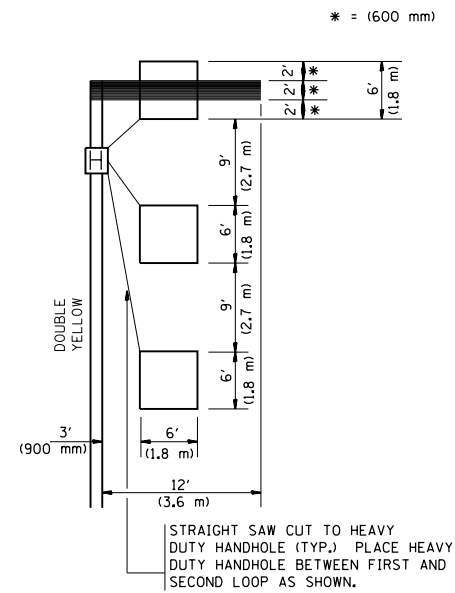
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

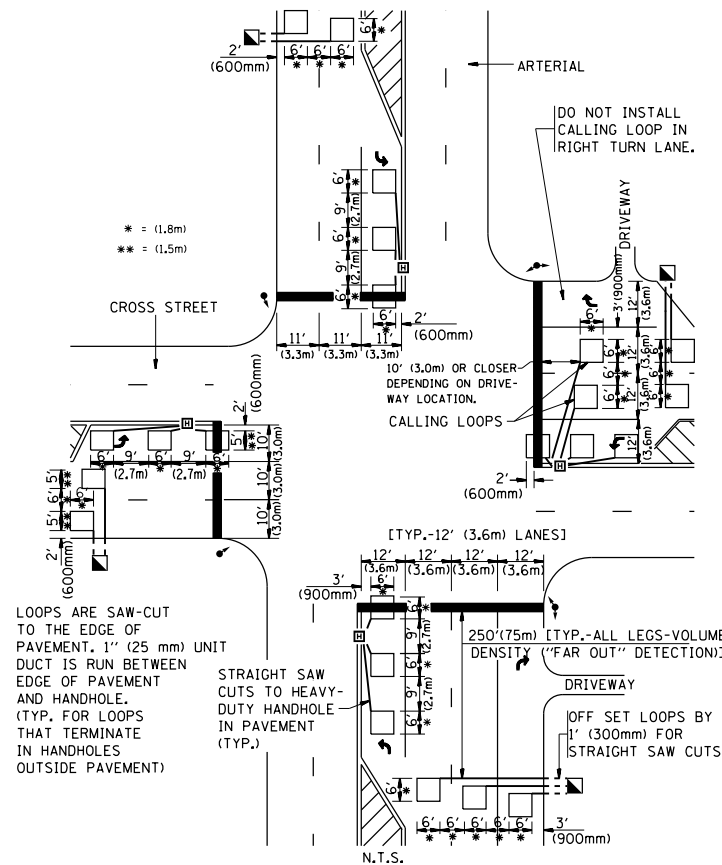
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)



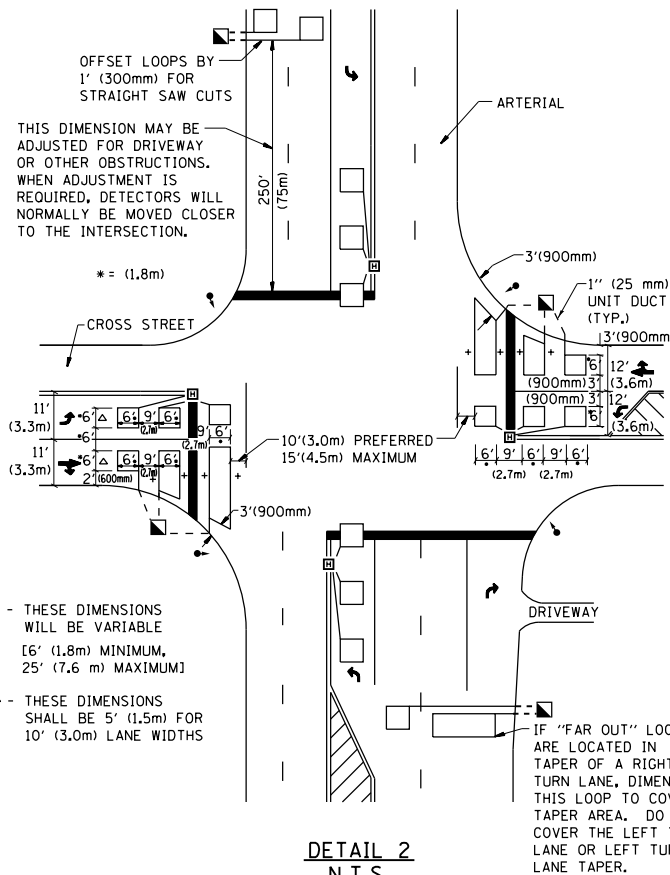
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1  
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2  
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- \* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- \* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- \* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- \* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / in.		CHECKED - R.K.F.	REVISED -
PLOT DATE = 5/20/2016		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION  
DETAILS FOR ROADWAY RESURFACING

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-063-RS&T	DuPAGE	40	40
TS-07			CONTRACT NO. 60Y98	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				