

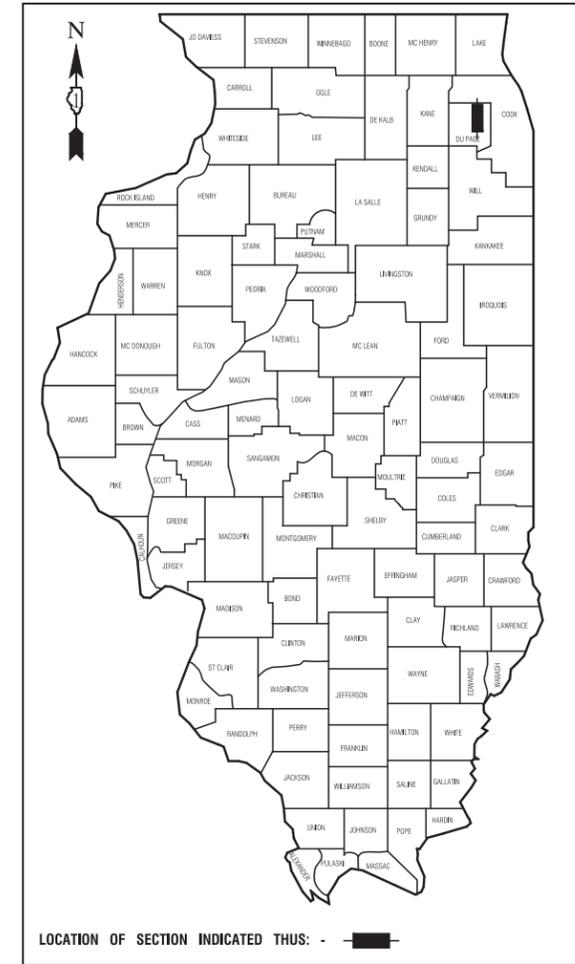
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F. A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DuPAGE	34	1
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT #61F51

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

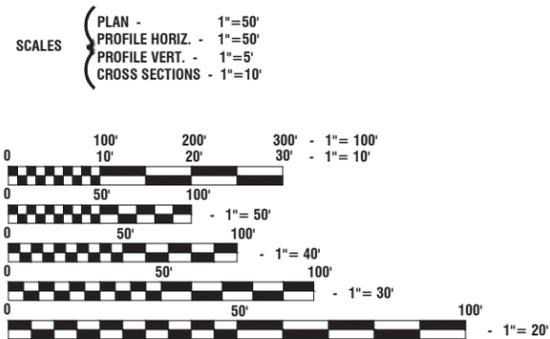
**FAU 2626 (ARLINGTON HEIGHTS ROAD)
PIERCE ROAD TO 700' SOUTH OF PIERCE ROAD
ROADWAY RECONSTRUCTION
SECTION NO.: 17-00064-00-FP
PROJECT NO.: AUSQ(696)
VILLAGE of ITASCA
DuPAGE COUNTY
JOB NO.: C-91-208-17**



**INDEX OF SHEETS
SEE SHEET NO. 2**

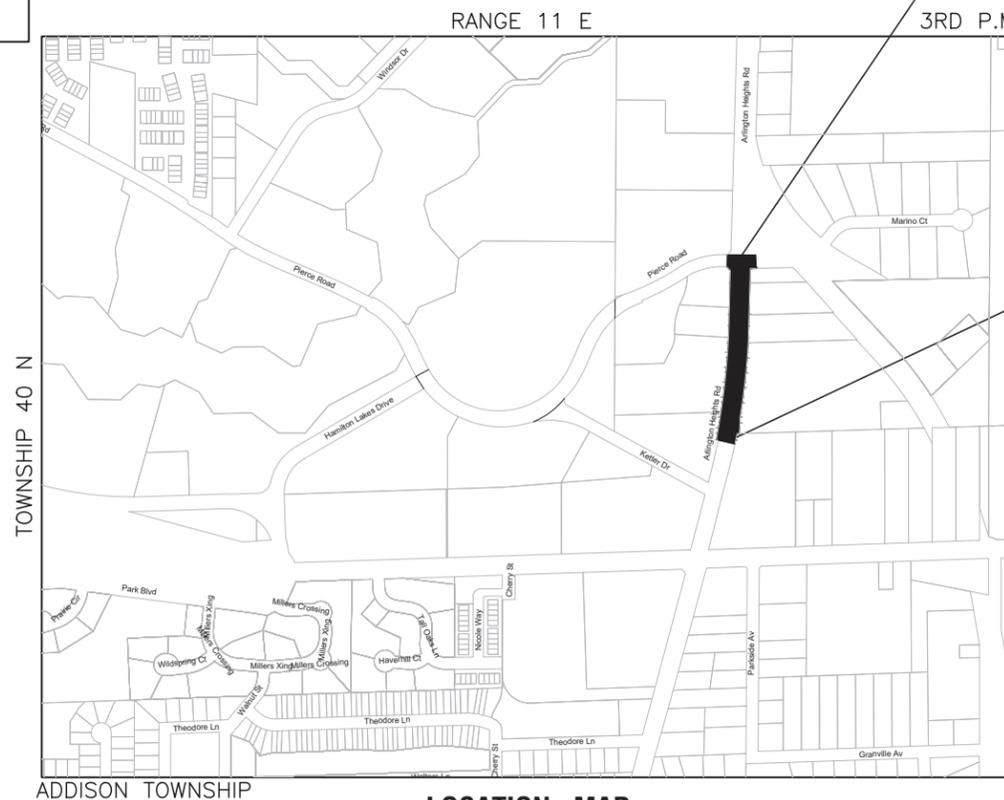
**HIGHWAY STANDARDS
SEE SHEET NO. 2**

DESIGN DESIGNATION - FAU 2626 (ARLINGTON HEIGHTS ROAD) (2030) - MAJOR COLLECTOR	
ADT=14,000 PV=13,300 SU=280 MU=420	
% DESIGN TRAFFIC IN DESIGN LANE	
P=95% S=2.0% M=3.0%	
SSS=FAIR	
FAU 2626 (ARLINGTON HEIGHTS ROAD)	
2014 ADT -	9,600
2030 ADT -	14,000
POSTED SPEED LIMIT -	35 mph
DESIGN PERIOD -	20 YEARS
DESIGN SPEED LIMIT -	45 mph
STREET CLASSIFICATION -	CLASS II



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



LOCATION MAP

GROSS LENGTH=670 FEET=0.13 MILES
NET LENGTH=670 FEET=0.13 MILES

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Approved: _____
President, Village of Itasca

Passed: **DECEMBER 11, 2018**
Christopher Holt
District 1 Engineer of Local Roads & Streets

Released for Bid Based on Limited Review: **DECEMBER 11, 2018**
Anthony J. Quinley / CRB
Regional Engineer

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PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:
Lothar D. Hilse
12-11-18

LOTHAR D. HILSE
062-058722
REGISTERED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
LICENSE EXPIRES: 11/30/19



FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, PE SCHAUMBURG, IL.
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

CONTRACT NO. 61F51

INDEX OF SHEETS

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5. TYPICAL SECTIONS
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10. SUGGESTED CONSTRUCTION STAGING - STAGE 1
11. SUGGESTED CONSTRUCTION STAGING - STAGE 2
12. LANDSCAPING AND EROSION CONTROL
13. DRAINAGE AND UTILITIES
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- 15.-16. ADA RAMP DETAIL
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HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424006-04	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424026-03	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN, TYPE A
602301-04	INLET, TYPE A
602401-04	PRECAST MANHOLE, TYPE A, 4' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAMES AND LIDS, TYPE 1
604036-03	GRATE TYPE B
604051-04	FRAME AND GRATE, TYPE 11
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS-DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTIONS DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKERS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
821101-02	LUMINAIRE WIRING IN POLE

GENERAL NOTES

1. ALL ROADWAY CONSTRUCTION SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016 BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND ALL AMENDMENTS THERETO, AND IN ACCORDANCE WITH THE LATEST EDITION OF THE SPECIFICATIONS FOR CONSTRUCTION IN THE VILLAGE OF ITASCA AND IN CASE OF CONFLICT, THE MORE STRINGENT CODE SHALL TAKE PRECEDENCE.
2. ALL STORM SEWER, SANITARY SEWER AND WATER MAIN CONSTRUCTION SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", PUBLISHED JUNE 2014, AND IN ACCORDANCE WITH THE SPECIFICATIONS FOR CONSTRUCTION IN THE VILLAGE OF ITASCA UNLESS OTHERWISE NOTED ON THE PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. THE ENGINEER DOES NOT WARRANT THE LOCATION OF ANY EXISTING UTILITIES SHOWN ON THE PLAN. THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 800-892-0123 AND THE VILLAGE OF ITASCA FOR UTILITY LOCATIONS.
4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE NATURE AND STATUS OF ALL UTILITY RELOCATION WORK PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ENSURE THAT CONSTRUCTION OPERATIONS DO NOT INTERFERE WITH UTILITY FACILITIES AND RELOCATION WORK. THE SCHEDULE SHOULD REFLECT CONSTRUCTION SEQUENCING, WHICH COORDINATES WITH ALL UTILITY RELOCATION WORK. THE CONTRACTOR SHALL BE REQUIRED TO ADJUST THE ORDER OF ITS WORK FROM TIME TO TIME, TO COORDINATE SAME WITH UTILITY RELOCATION WORK, AND SHALL PREPARE REVISED SCHEDULE (S) IN COMPLIANCE THEREWITH AS DIRECTED BY THE OWNER. THE OWNER AND THE ENGINEER SHALL BE NOTIFIED IN WRITING BY THE CONTRACTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY OPERATION REQUIRED COOPERATION WITH OTHERS. ALL OTHER AGENCIES, UNLESS OTHERWISE NOTED, WILL BE NOTIFIED IN WRITING BY THE CONTRACTOR TEN (10) DAYS PRIOR TO THE START OF ANY SUCH OPERATION. THE UTILITY COMPANIES HAVE BEEN CONTACTED IN REFERENCE TO UTILITIES THEY OWN AND OPERATE WITHIN THE LIMITS FOR THIS PROJECT. ALL KNOWN DATA FROM THESE AGENCIES HAS BEEN INCORPORATED INTO THE PLANS. IT IS HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM OR ESTABLISH THE EXISTENCE OF ALL UTILITY FACILITIES AND THEIR EXACT LOCATIONS, WHETHER CONTAINED IN THE DATA SUBMITTED BY THESE AGENCIES OR NOT, AND TO SAFELY SCHEDULE ALL UTILITY RELOCATIONS.
5. THE CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES UNTIL THEY ARE NO LONGER NEEDED. ANY STAKES DESTROYED OR DISTURBED BY THE CONTRACTOR PRIOR TO THEIR USE SHALL BE RESET BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
6. THE CONTRACTOR SHALL COLLECT AND REMOVE ALL CONSTRUCTION DEBRIS, EXCESS MATERIALS, TRASH, OIL AND GREASE RESIDUE, MACHINERY, TOOLS AND OTHER MISCELLANEOUS ITEMS WHICH WERE NOT PRESENT PRIOR TO PROJECT COMMENCEMENT AT NO ADDITIONAL EXPENSE TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY AND ALL PERMITS NECESSARY FOR THE HAULING AND DISPOSAL REQUIRED FOR CLEAN-UP AS DIRECTED BY THE ENGINEER OR OWNER. BURNING ON THE SITE IS NOT PERMITTED.
7. AT THE CLOSE OF EACH WORKING DAY AND AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.
8. TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND SHALL BE PROTECTED UNDER THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS.
9. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
10. THE THICKNESS OF HMA MIXTURE STATED IN THE SPECIFICATIONS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS FROM THE NOMINAL THICKNESS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA SURFACE IS PLACED.
11. ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES BY LIMITING CURB AND GUTTER REPAIR TO ONE-HALF THE DRIVEWAY WIDTH AT ONE TIME AS THROUGH THE USE OF AGGREGATE FOR TEMPORARY ACCESS.
12. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE OR IDOT RIGHT OF WAY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
13. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470, ROBINSON ENGINEERING (847)250-5635 AND THE VILLAGE OF ITASCA (630)773-0835 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
14. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
15. LONGITUDINAL JOINT SEALANT SHALL BE APPLIED UNDER THE HMA SURFACE LIFT AND UNDER THE TOP HMA BINDER LIFT ON ARLINGTON HEIGHTS ROAD MAINLINE PAVEMENT.

STORM SEWER NOTES

1. ON ALL IMPROVEMENTS THE FRAMES AND LIDS OF EXISTING CATCH BASINS, INLETS, MANHOLES AND VALVE VAULTS WHICH ARE TO BE ABANDONED DUE TO CONSTRUCTION OF THIS IMPROVEMENT ARE TO REMAIN THE PROPERTY OF THE VILLAGE OF ITASCA AND BE SALVAGED. THE OWNER SHALL BE NOTIFIED AS TO AVAILABILITY FOR PICK-UP.
2. THE TOP OF ALL STRUCTURES SHALL BE FLUSH WITH THE ADJACENT SURFACE OR AT THE INDICATED ELEVATIONS SHOWN ON THE PLANS.
3. FRAME ELEVATIONS ARE GIVEN ONLY TO ASSIST IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.

EARTHWORK NOTES

1. GENERAL
 - A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE SOIL AND GROUNDWATER CONDITIONS AT THE SITE.
 - B. ANY QUANTITIES IN THE BID PROPOSAL ARE INTENDED AS A GUIDE FOR THE CONTRACTORS USE IN DETERMINING THE SCOPE OF THE COMPLETED PROJECT. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES AND APPRAISE HIMSELF OF ALL SITE CONDITIONS.
 - C. THE CONTRACTOR WILL NOTE THAT THE ELEVATIONS SHOWN ON THE CONSTRUCTION PLANS ARE FINISHED GRADE AND SUBGRADE ELEVATIONS (AS NOTED) AND THAT PAVEMENT THICKNESS, TOPSOIL, ETC. MUST BE ACCOUNTED FOR.
 - D. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION, AND PREVENT STORMWATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS. THE FAILURE TO PROVIDE PROPER DRAINAGE WILL NEGATE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF. FINAL GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EROSION, SEDIMENTATION AND TRAFFIC.
 - E. PLANS FOR THE SITE DEWATERING, IF EMPLOYED, SHALL BE SUBMITTED AND APPROVED PRIOR TO IMPLEMENTATION. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR DEWATERING DURING CONSTRUCTION.
 - F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE "SOIL EROSION AND SEDIMENTATION CONTROL MEASURES". THE INITIAL ESTABLISHMENT OF EROSION CONTROL PROCEDURES AND THE PLACEMENT OF SILT AND FILTER FENCING, ETC. TO PROTECT ADJACENT PROPERTY, ETC. SHALL OCCUR BEFORE GRADING BEGINS.
 - G. ALL STORM INLETS SHALL BE PROTECTED BY INLET FILTERS. PLACEMENTS AND MAINTENANCE OR SILT BARRIER SHALL BE AS DIRECTED BY THE ENGINEER, BASED ON ACTUAL GRADING. GRADE THE AREA WITHIN FOUR (4) FEET AROUND STRUCTURES ONE (1) FOOT BELOW RIM TO SERVE AS A SEDIMENTATION BASIN DURING CONSTRUCTION.
 - H. FINAL LOCATION OF SILT FENCE SHALL BE ADJUSTED BASED ON ACTUAL SITE GRADING CONDITIONS. ADDITIONAL MEASURES SHALL BE ADDED AS DIRECTED BY THE ENGINEER.
 - I. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESEED AS SOON AS PRACTICAL.

FILE NAME = 16R0459_02-INDX-01 - IDOT-01	USER NAME =	DESIGNED -- JDH	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & STATE STANDARDS	FAU	SECTION	COUNTY	TOTAL	SHEET	
		CHECKED -- WJD	REVISED --			2628	17-00064-00-FP	DUPAGE	34	2	
	PLOT SCALE =	DRAWN -- MED	REVISED --			CONTRACT NO. 61F51					
	PLOT DATE = 12-11-2018	CHECKED -- AG	REVISED --			SCALE:	SHEET NO. 2	OF 34 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1

SUMMARY OF QUANTITIES					ROADWAY	SAFETY	TRAINEE	ITASCA
S. I.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0004	0021	0042	0004
	20101100	TREE TRUNK PROTECTION	EACH	6	6			
	20101400	NITROGEN FERTILIZER NUTRIENT	POUND	35	35			
	20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	35	35			
	20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	35	35			
	20200100	EARTH EXCAVATION	CU YD	20	20			
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	110	110			
	20800150	TRENCH BACKFILL	CU YD	173	173			
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	320	320			
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2760	2760			
△	21301084	EXPLORATION TRENCH 84" DEPTH	FOOT	210	210			
	25200110	SODDING, SALT TOLERANT	SQ YD	2760	2760			
	25200200	SUPPLEMENTAL WATERING	UNIT	30	30			
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	180	180			
	28000305	TEMPORARY DITCH CHECKS	FOOT	60	60			
	28000400	PERIMETER EROSION BARRIER	FOOT	1250	1250			
	28000510	INLET FILTERS	EACH	9	9			
△	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	110	110			
△	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	70	70			
	35101500	AGGREGATE BASE COURSE, TYPE B	CU YD	350	350			
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	146		146		
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	100	100			
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	6360	6360			
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2190	2190			
	40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	22	22			
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	22	22			

SUMMARY OF QUANTITIES					ROADWAY	SAFETY	TRAINEE	ITASCA
S. I.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0004	0021	0042	0004
	40603085	HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70	TON	1266	1266			
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	12	12			
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	359	359			
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1307		1307		
	42400800	DETECTABLE WARNINGS	SQ FT	70		70		
	44000100	PAVEMENT REMOVAL	SQ YD	2830	2830			
	44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	447	447			
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	410	410			
	44000600	SIDEWALK REMOVAL	SQ FT	153		153		
	44003100	MEDIAN REMOVAL	SQ FT	140	140			
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1			
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	291	291			
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	400	400			
	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	16	16			
	55100900	STORM SEWER REMOVAL 18"	FOOT	51	51			
	55101200	STORM SEWER REMOVAL 24"	FOOT	78	78			
△ *	56106600	ADJUSTING WATER MAIN 12"	FOOT	20	20			
	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1061	1061			
	60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
	60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2	2			
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4			
	60219300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1			
	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3	3			
	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	5	5			

* - INDICATES SPECIALTY ITEMS
△ - INDICATES SPECIAL PROVISION

FILE NAME = 16R0459_02-QUAN-01 - IDOT-001

USER NAME =	DESIGNED -- JDH	REVISED --
	CHECKED -- WJD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 12-11-2018	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

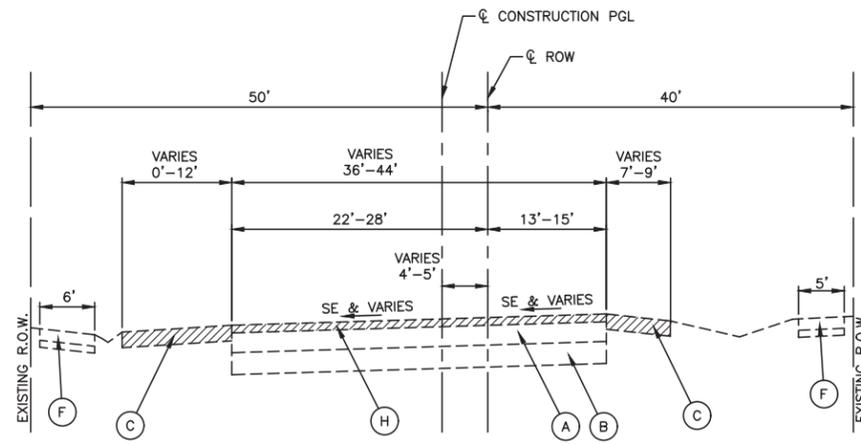
SCALE: SHEET NO. 3 OF 34 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2828	17-00084-00-FP	DUPAGE	34	3
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61F51	

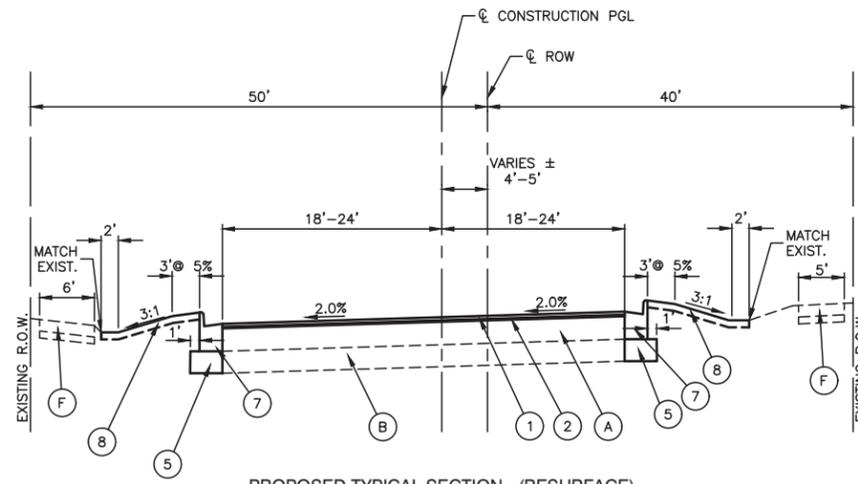
SUMMARY OF QUANTITIES					ROADWAY	SAFETY	TRAINEE	ITASCA
S. I.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0004	0021	0042	0004
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1564	1564			
	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	56	56			
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6			
	67100100	MOBILIZATION	L SUM	1	1			
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	150		150		
△	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	120		120		
△	70300100	SHORT TERM PAVEMENT MARKING	FOOT	400		400		
△	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	140		140		
△	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	219		219		
△	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	4470		4470		
△	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	48		48		
△	70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	30		30		
*	72000100	SIGN PANEL - TYPE 1	SQ FT	58		58		
*	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	8		8		
*	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	9		9		
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	112		112		
*	72900100	METAL POST - TYPE A	FOOT	24		24		
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	219		219		
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1112		1112		
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	488		488		
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	344		344		
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	55		55		
*	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	29		29		

SUMMARY OF QUANTITIES					ROADWAY	SAFETY	TRAINEE	ITASCA
S. I.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0004	0021	0042	0004
△	* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1		
△	* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1		1		
△	* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	400		400		
△	* 81603051	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2570		2570		
△	* 81702440	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 1/0	FOOT	25		25		
△	* 82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1		1		
△	* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	160		160		
△	* 83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	21		21		
△	X0321809	PERMANENT GROUND ANCHOR	EACH	1	1			
△	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	5	5			
△	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		1		
△	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	1080	1080			
△	* X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	21		21		
△	* X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	30		30		
△	Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	3	3			
△	Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	1	1			
△	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	13		13		
△	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	2511	2511			
△	Z0062456	TEMPORARY PAVEMENT	SQ YD	35	35			
△	Z0076600	TRAINEES	HOURL	500			500	
△	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500			500	
△	XX003668	PRECONSTRUCTION VIDEO TAPING	L SUM	1				1

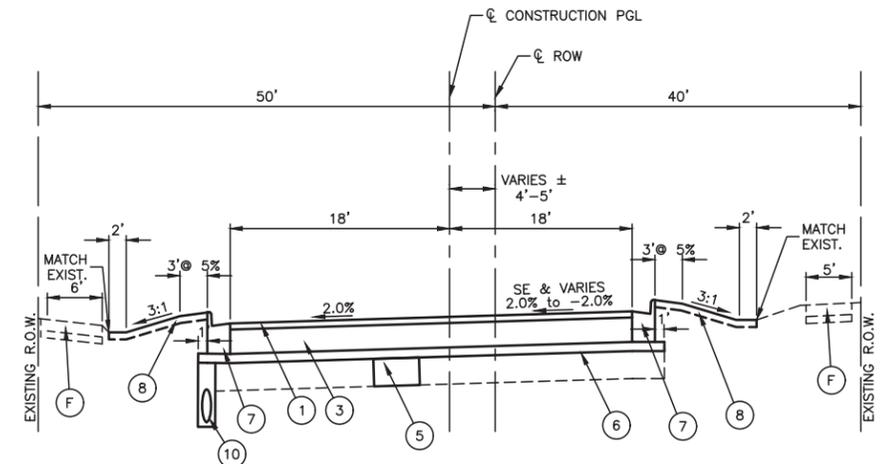
* - INDICATES SPECIALTY ITEMS
△ - INDICATES SPECIAL PROVISION



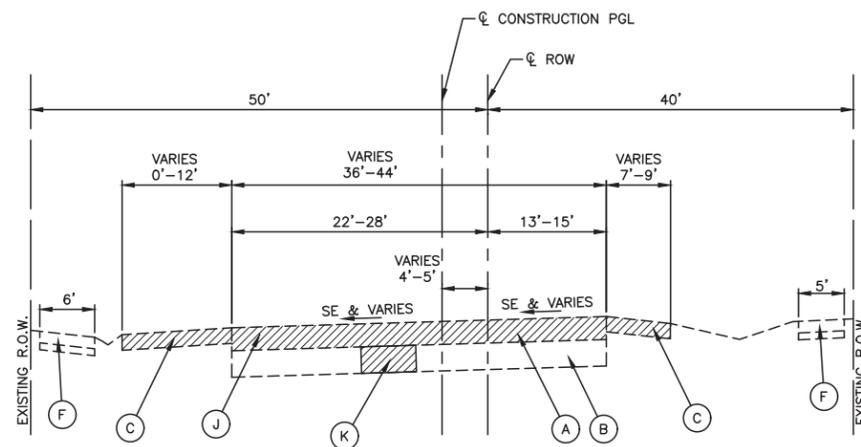
EXISTING TYPICAL SECTION
ARLINGTON HEIGHTS ROAD
STA 509+87.39 TO STA 510+71.50



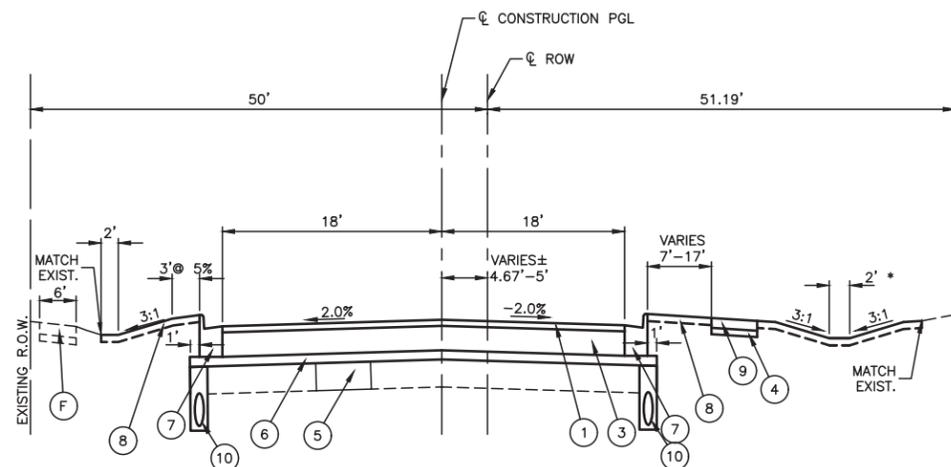
PROPOSED TYPICAL SECTION - (RESURFACE)
ARLINGTON HEIGHTS ROAD
STA 509+87.39 TO STA 510+71.50



PROPOSED TYPICAL SECTION - (RECONSTRUCTION)
ARLINGTON HEIGHTS ROAD
STA 510+71.50 TO STA 514+24.73



EXISTING TYPICAL SECTION
ARLINGTON HEIGHTS ROAD
STA 510+71.50 TO STA 514+50



PROPOSED TYPICAL SECTION - (RECONSTRUCTION)
ARLINGTON HEIGHTS ROAD
STA 514+24.73 TO STA 516+57.65
* PROPOSED DITCH 514+50 TO 515+75

ARLINGTON HEIGHTS ROAD
SUPERELEVATION DETAILS



STA 509+87.39 TO STA 512+90.73
FULL SUPERELEVATION



STA 513+57.73
SUPERELEVATION TRANSITION



STA 514+24.73
NORMAL CROWN

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS
PAVEMENT RECONSTRUCTION	
HOT MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm); 2"	4% @ 70 Gyr.
HOT MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8"	4% @ 70 Gyr.
DRIVEWAYS	
HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 3"	4% @ 50 Gyr.
OVERLAY	
HOT MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm); 2"	4% @ 70 Gyr.
LEVELING BINDER (MACHINE METHOD) N70, (IL-9.5mm) 1" & VARIES	4% @ 70 Gyr.
TEMPORARY PAVEMENT	
HOT MIX ASPHALT BINDER COURSE, IL-19.0, 9" (3 LIFTS)	4% @ 70 Gyr.

NOTE:
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
THE AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" FOR NOM-POLYMERIZED HMA THE
AC TYPE SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISION.

FOR USE OF RECYCLED MATERIAL SEE SPECIAL PROVISIONS.

PCC TEMPORARY PAVEMENT SHALL CONSIST OF 9" OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF
ARTICLE 1020 OF THE STANDARDS AND SPECIFICATION. TEMP PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

EXISTING LEGEND

- (A) EXISTING HMA PAVEMENT (14"±)
- (B) EXISTING AGGREGATE SUBBASE (12"-14"±)
- (C) EXISTING AGGREGATE SHOULDER
- (D) EXISTING CURB AND GUTTER, TYPE B-6.12
- (E) EXISTING CURB AND GUTTER, TYPE B-6.18
- (F) EXISTING PCC SIDEWALK
- (G) EXISTING MEDIAN
- (H) HOT MIX ASPHALT SURFACE REMOVAL, 3"
- (J) PAVEMENT REMOVAL
- (K) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ▨ ITEMS TO BE REMOVED (AS DIRECTED BY ENGINEER)

NOTE: EXISTING PAVEMENT THICKNESS BASED ON PAVEMENT CORES,
ACTUAL THICKNESS MAY VARY.

PROPOSED LEGEND

- (1) HMA SURFACE COURSE, MIX "D" N70, 2"
- ** (2) LEVELING BINDER (MACHINE METHOD). N70 1" & VARIES
- (3) HMA BINDER COURSE, IL-19.0, N70, 8"
- (4) AGGREGATE BASE COURSE, TYPE B 4"
- * (5) AGGREGATE SUBGRADE IMPROVEMENT (CU YD)
- (6) AGGREGATE BASE COURSE TYPE B (CU YD) VARIES, 4±
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (8) TOPSOIL FURNISH AND PLACE, 4" & SODDING, SALT TOLERANT
- (9) PCC SIDEWALK, 5"
- (10) PIPE UNDERDRAINS, TYPE 2, 4" (SEE TABLE ON SHEET 12)

* AS DIRECTED BY ENGINEER
** AS NECESSARY TO ACHIEVE REQUIRED SUPERELEVATION.

FILE NAME = 16R0459_02-TYPX-01 - IDOT P01

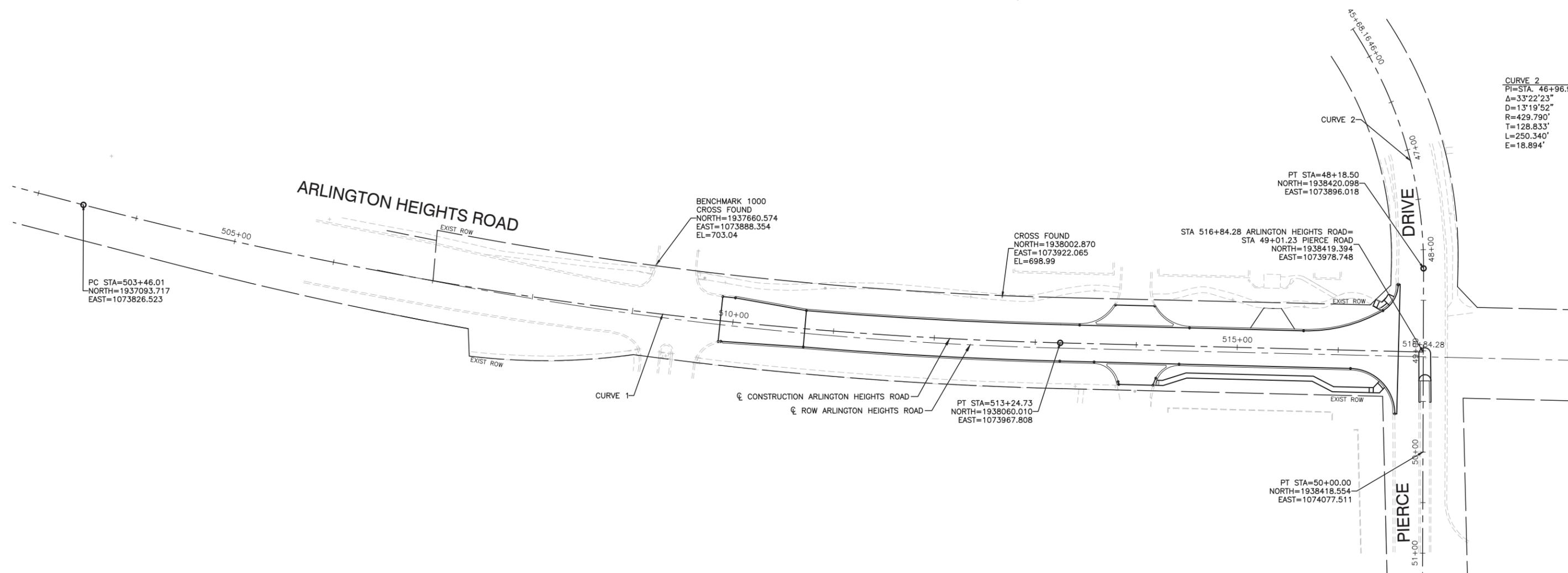
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	CHECKED -- WJD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 12-11-2018	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: SHEET NO. 5 OF 34 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	5
CONTRACT NO. 61F51				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



CURVE 2
 PI=STA. 46+96.99
 Δ=33°22'23"
 D=13'19'52"
 R=429.790'
 T=128.833'
 L=250.340'
 E=18.894'

CURVE 1
 PI=STA. 508+37.53
 Δ=13°09'00"
 D=1'20'37"
 R=4264.379'
 T=491.516'
 L=978.713'
 E=28.233'

BENCH MARK:1000
 CROSS CUT ON CURB SE CORNER OF SOUTH DRIVEWAY AND ARLINGTON HEIGHTS ROAD
 ELEVATION=703.04

BENCH MARK:1001
 CROSS CUT IN SIDEWALK SOUTH OF NORTH DRIVEWAY AND ARLINGTON HEIGHTS ROAD
 ELEVATION=698.99

DATUM
 NAD83 ILLINOIS STATE PLANES, EAST ZONE, US FOOT
 NAVD88 VERTICAL DATUM

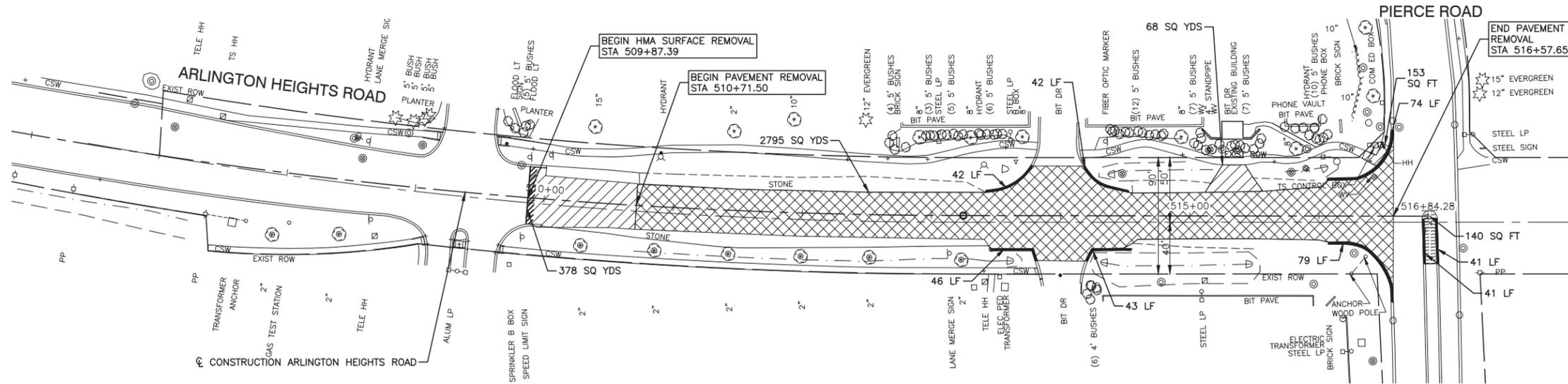
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		CHECKED -- WJD	REVISED --
	PLOT SCALE =	DRAWN -- MED	REVISED --
	PLOT DATE = 12-11-2018	CHECKED -- APG	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

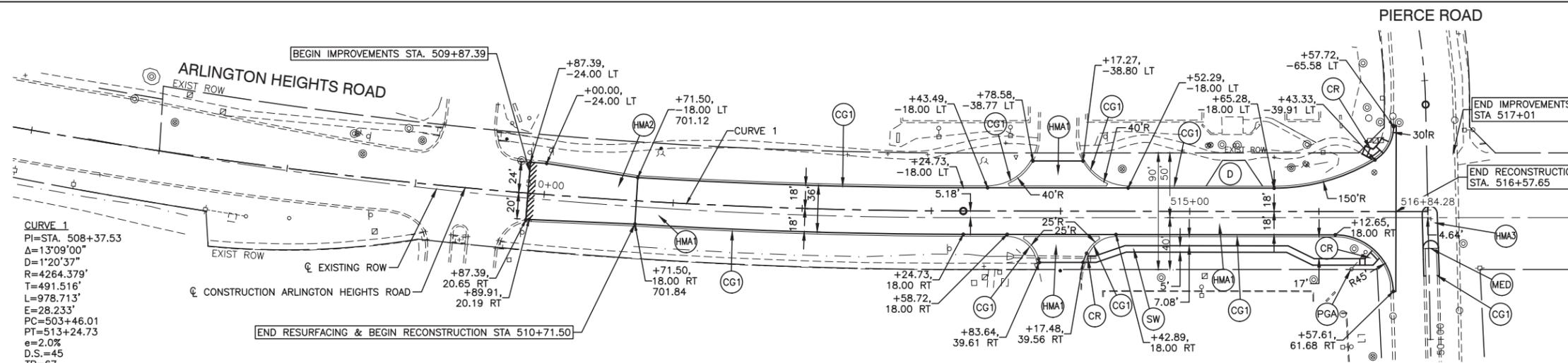
ALIGNMENT AND CONTROL PLAN

SCALE: SHEET NO. 6 OF 34 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	6
CONTRACT NO. 61F51				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	----	



EXISTING CONDITIONS AND REMOVAL PLAN



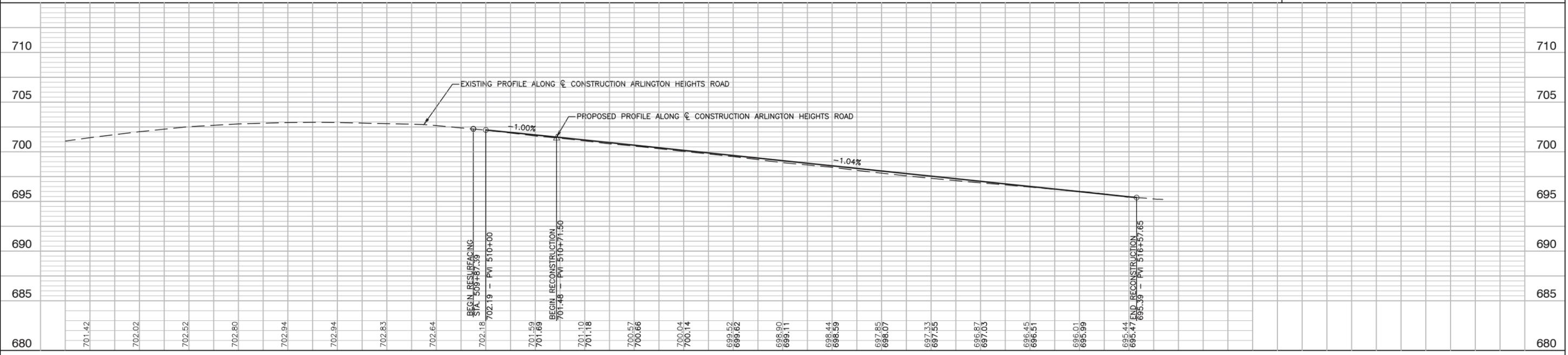
PROPOSED IMPROVEMENTS

PROPOSED LEGEND

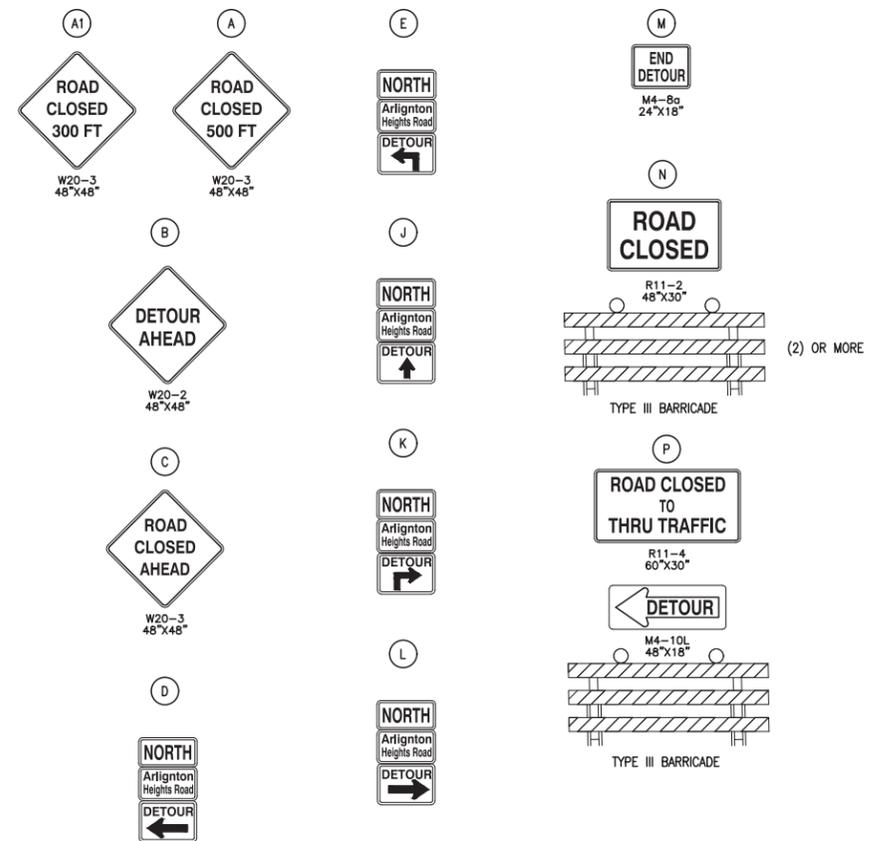
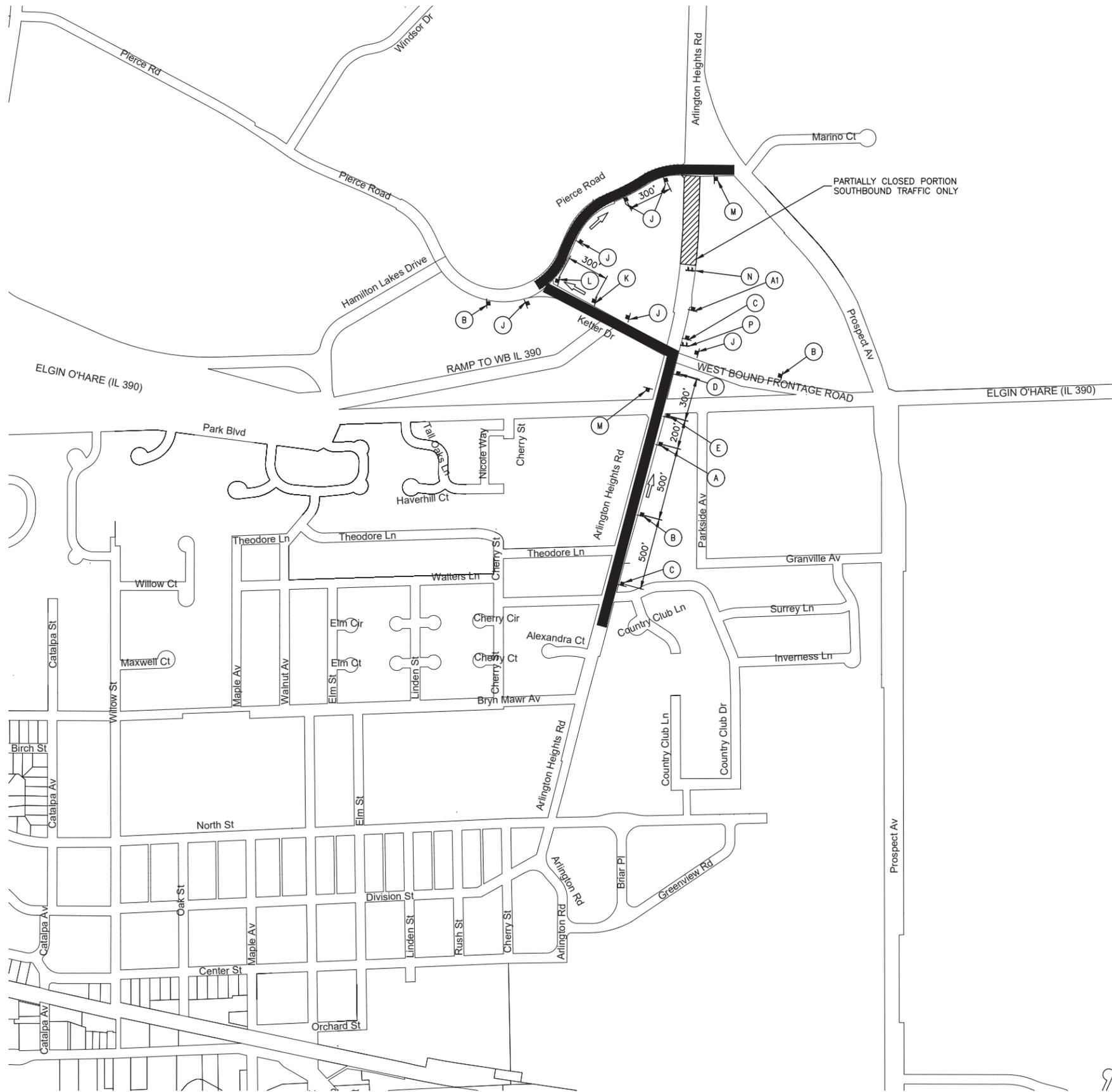
- (CG1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (CR) ADA CURB RAMP & DETECTABLE WARNING
- (MED) CONCRETE MEDIAN, TYPE SB-6.12
- (D) HMA SURFACE COURSE, MIX "D", N50, 3"
- (HMA1) HMA SURFACE COURSE, MIX "D", N70, 2"
- (HMA2) HMA BINDER COURSE, IL-19.0, N70, 8" AGGREGATE BASE COURSE TYPE B (CU YD), VARIES 4"±
- (HMA3) RESURFACING HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" LEVELING BINDER (MACHINE METHOD) N70, 1" & VARIES *
- (HMA3) HMA SURFACE COURSE, MIX "D", N70, 2"
- (HMA3) HMA BINDER COURSE, IL-19.0, N70, 8" AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (SW) PCC SIDEWALK, 5" ON AGGREGATE BASE COURSE, TYPE B, 4"
- (PGA) MODIFY EXISTING GUY WIRE & ANCHOR PAID AS PERMANENT GROUND ANCHOR SEE INTERSECTION DETAIL AND SPECIAL PROVISIONS FOR DETAILS
- [Hatched Box] HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- [Cross-hatched Box] EXISTING PAVEMENT REMOVAL
- [Dotted Box] MEDIAN REMOVAL
- [Diagonal Lines] SIDEWALK REMOVAL
- [Thick Line] COMBINATION CURB AND GUTTER REMOVAL
- [Double Line] BUTT JOINT
- * AS NECESSARY TO ACHIEVE REQUIRED SUPERELEVATION.

NOTE:

SEE INTERSECTION DETAILS SHEET 14 & ADA RAMP DETAILS SHEETS 15 & 16.



FILE NAME = 16R0459_02-PLPR-01 - IDOT PLPR01	USER NAME =	DESIGNED - JDH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE		F.A.U. RTE. = 2626	SECTION = 17-00064-00-FP	COUNTY = DUPAGE	TOTAL SHEETS = 34	SHEET NO. = 7	
	PLOT SCALE = 1"=50'	CHECKED - WJD	REVISED -		SCALE: H 1"=50 V 1"=5'		SHEET NO. 1	OF 1 SHEETS	STA. TO STA.	CONTRACT NO. 61F51		
	PLOT DATE = 12-11-2018	DRAWN - MED	REVISED -									
		CHECKED - APG	REVISED -									



LEGEND

- PARTIALLY CLOSED PORTION OF ARLINGTON HEIGHTS ROAD (SOUTHBOUND TRAFFIC ONLY)
- DETOUR ROUTE
- SIGN POSTS
- TYPE III BARRICADE

NOTES

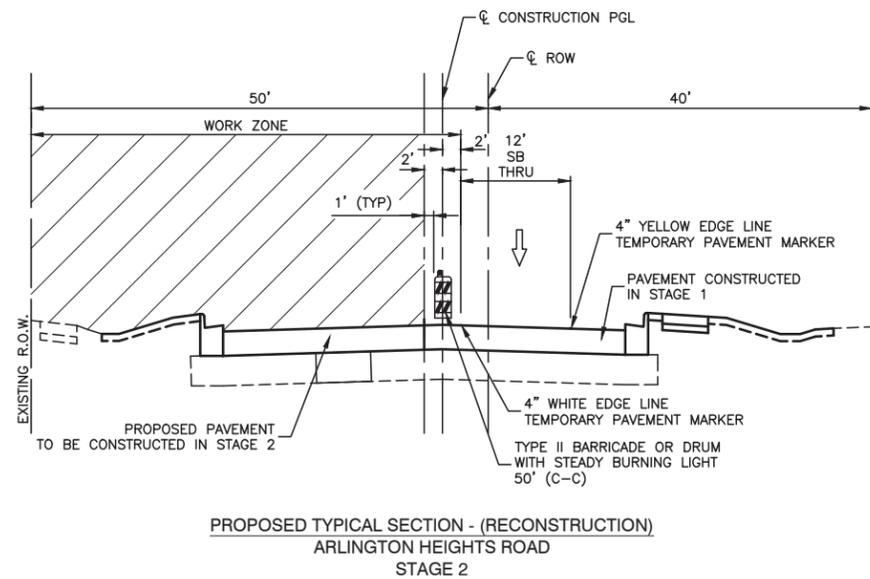
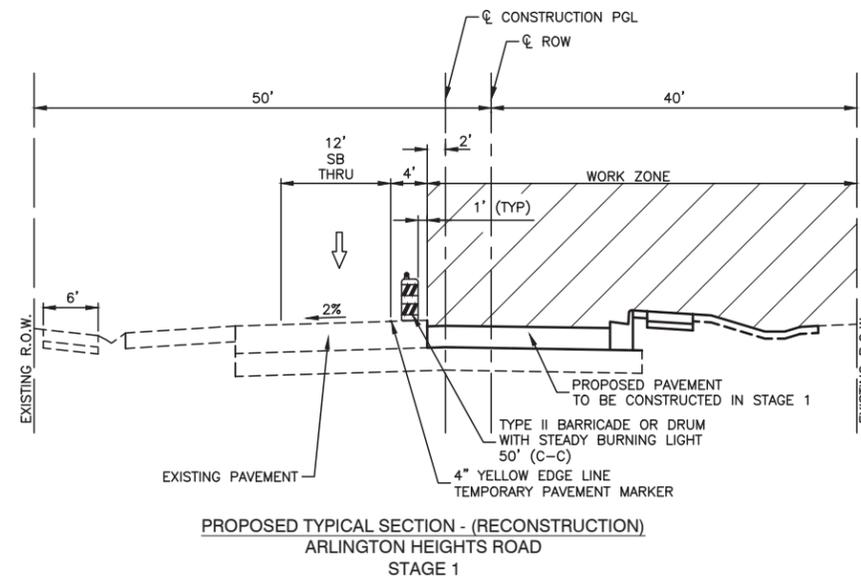
1. ALL SIGNS, BARRICADES, SIGN'S LIGHTS & FLAGS SHALL BE IN ACCORDANCE WITH THOSE INDICATED IN TRAFFIC CONTROL STANDARDS OF MUTCD & STANDARD SPECIFICATIONS.
2. THE VILLAGE OF ITASCA AND I.D.O.T. (DISTRICT 1) SHALL BE NOTIFIED TWO (2) WEEKS IN ADVANCE PRIOR TO THE OPERATION OF THIS DETOUR ROUTE FOR THE SUBJECT CONSTRUCTION.
3. "D3-1" SIGNS SHALL HAVE 6" BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
4. TRAFFIC CONTROL AND PROTECTION, INCLUDING DETOUR PLAN/ROUTING, ALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR THIS PROJECT, SECTION 701 OF THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", APPLICABLE GUIDELINES IN THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL.
4. PRIOR TO THE START OF CONSTRUCTION, REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
5. IDOT TRAFFIC CONTROL STANDARDS LISTED BY REFERENCE ON THE TITLE SHEET SHALL BE USED AS GUIDES IN IMPLEMENTING THE TRAFFIC CONTROL, INCLUDING SIGN LOCATIONS, FOR THIS PROJECT.
6. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE NAMES AND PHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING, PRIOR TO THE START OF WORK.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD LOCATION OF ALL DETOUR AND CONSTRUCTION SIGNING. THE CONTRACTOR MAY REQUEST THE ENGINEER TO FIELD VERIFY THE POSITIONS OF ANY SIGNS.
8. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED, OR REMOVED, BY THE CONTRACTOR IN A MANNER MEETING THE APPROVAL OF THE ENGINEER

FILE NAME = 16R0459_02-DETR-01 - IDOT P01	USER NAME =	DESIGNED -- JDH	REVISED --
		CHECKED -- WJD	REVISED --
	PLOT SCALE =	DRAWN -- MED	REVISED --
	PLOT DATE = 12-11-2018	CHECKED -- APG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=400'		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	
DETOUR PLAN					

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	8
CONTRACT NO. 61F51				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	----	



PRE-STAGE CONSTRUCTION (NOT ILLUSTRATED)

- REMOVE EXISTING MEDIAN ON PIERCE ROAD.
- CONSTRUCT PROPOSED PIERCE ROAD PAVEMENT WIDENING.
- CONSTRUCT PROPOSED PIERCE ROAD TEMPORARY PAVEMENT.
- ERECT AND COVER ALL REQUIRED SIGNAGE ASSOCIATED WITH THE LOCAL ARLINGTON HEIGHTS ROAD NORTHBOUND DETOUR ROUTE UTILIZING PIERCE ROAD AND KETTER DRIVE.

PRE-STAGE TRAFFIC CONTROL

- MAINTAIN TRAFFIC ON ARLINGTON HEIGHTS ROAD AND PIERCE ROAD IN EXISTING TRAVEL LANES.
- THE WORK TO BE PERFORMED IN THE PRE-STAGE MAY BE COMPLETED USING HIGHWAY STANDARDS 701101, 701501 AND 701701.

STAGE 1 CONSTRUCTION

- INSTALL TEMPORARY PAVEMENT MARKINGS ON WEST HALF OF ARLINGTON HEIGHTS ROAD TO REFLECT STAGE 1 TRAFFIC CONFIGURATION.
- REMOVE EXISTING PAVEMENT AND CONSTRUCT PROPOSED PAVEMENT, CURB, SIDEWALK AND INCIDENTAL ITEMS ON EAST HALF OF ARLINGTON HEIGHTS ROAD FROM 2' WEST OF CENTERLINE OF CONSTRUCTION.
- CONSTRUCT STORM SEWER ON EAST SIDE OF ARLINGTON HEIGHTS ROAD.

STAGE 1 TRAFFIC CONTROL

- ESTABLISH AND MAINTAIN THE LOCAL ARLINGTON HEIGHTS ROAD NORTHBOUND DETOUR ROUTE UTILIZING PIERCE ROAD AND KETTER DRIVE.
- MAINTAIN 1-12' SOUTHBOUND LANE OF TRAFFIC ON WEST HALF OF ARLINGTON HEIGHTS ROAD EXISTING PAVEMENT.
- MAINTAIN TRAFFIC ON PIERCE ROAD IN EXISTING TRAVEL LANES.

STAGE 2 CONSTRUCTION

- INSTALL TEMPORARY PAVEMENT MARKINGS ON EAST HALF OF ARLINGTON HEIGHTS ROAD TO REFLECT STAGE 2 TRAFFIC CONFIGURATION.
- REMOVE EXISTING PAVEMENT AND CONSTRUCT PROPOSED PAVEMENT, CURB, SIDEWALK AND INCIDENTAL ITEMS ON WEST HALF OF ARLINGTON HEIGHTS ROAD FROM 2' WEST OF CENTERLINE OF CONSTRUCTION.
- CONSTRUCT STORM SEWER ON WEST SIDE OF ARLINGTON HEIGHTS ROAD.

STAGE 2 TRAFFIC CONTROL

- MAINTAIN THE LOCAL ARLINGTON HEIGHTS ROAD NORTHBOUND DETOUR ROUTE UTILIZING PIERCE ROAD AND KETTER DRIVE.
- MAINTAIN 1-12' SOUTHBOUND LANE OF TRAFFIC ON EAST HALF OF ARLINGTON HEIGHTS ROAD ON PROPOSED PAVEMENT CONSTRUCTED IN STAGE 1.
- MAINTAIN TRAFFIC ON PIERCE ROAD IN EXISTING TRAVEL LANES.

STAGE 3 CONSTRUCTION (NOT ILLUSTRATED)

- REMOVE ALL DETOUR SIGNAGE AND REESTABLISH ALL EXISTING SIGNAGE ON DETOUR ROUTE.
- REMOVE TEMPORARY PAVEMENT AND CONSTRUCT MEDIAN ON PIERCE ROAD.
- PLACE SURFACE COURSE ON ARLINGTON HEIGHTS ROAD.
- PLACE FINAL PAVEMENT MARKINGS
- POST FINAL SIGNAGE.

STAGE 3 TRAFFIC CONTROL

- RE-INSTITUTE TWO-WAY TRAFFIC ON ARLINGTON HEIGHTS ROAD
- MAINTAIN TRAFFIC ON PIERCE ROAD IN EXISTING TRAVEL LANES.
- THE WORK TO BE PERFORMED IN STAGE 3 MAY BE COMPLETED USING HIGHWAY STANDARDS 701101, 701311, 701501 AND 701701.

FILE NAME = 16R0459_02-TYPX-01 - IDOT P01 (3)

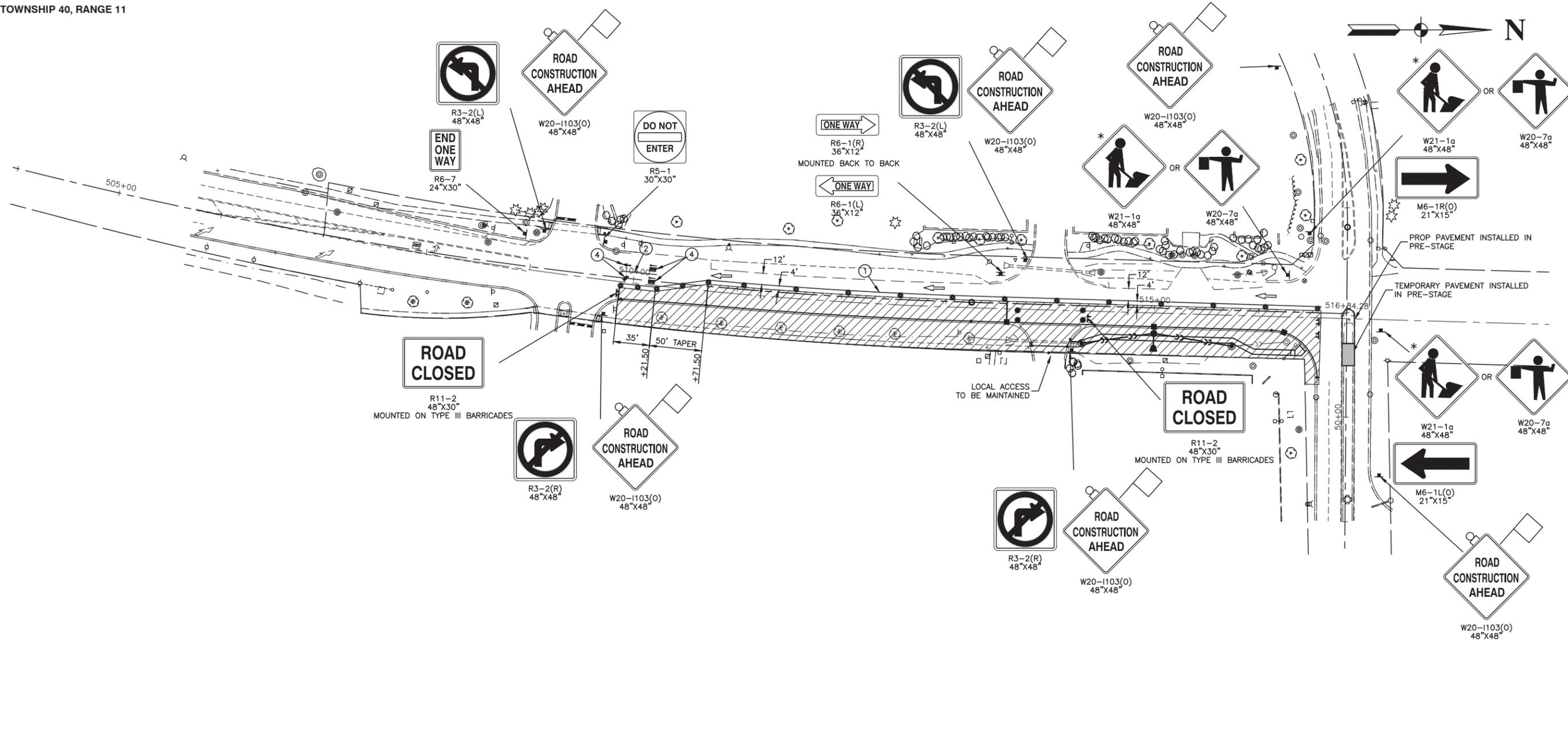
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PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 12-11-2018	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED CONSTRUCTION STAGING SECTIONS

SCALE: SHEET NO. 9 OF 34 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	9
CONTRACT NO. 61F51				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ----				



LEGEND

- ① 4" YELLOW EDGE LINE - TEMPORARY PAVEMENT MARKINGS
- ② 4" WHITE EDGE LINE - TEMPORARY PAVEMENT MARKINGS
- ③ 6" WHITE SKIP DASH (2' LINE, 6' SPACE) - PAVEMENT MARKING TAPE, TYPE III
- ④ TEMPORARY SYMBOLS AND LETTERS, LARGE
- WORK AREA
- TEMPORARY PAVEMENT TO BE CONSTRUCTED - (SEE SHEET 5)
- VERTICAL PANEL WITH STEADY BURNING LIGHT (50' C-C)
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURNING LIGHT (50' C-C)
- TYPE III BARRICADE WITH STEADY BURNING LIGHT
- SIGN
- TYPE F BARRICADE
- CRASH ATTENUATOR
- TRAFFIC FLOW

* TO BE REMOVED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

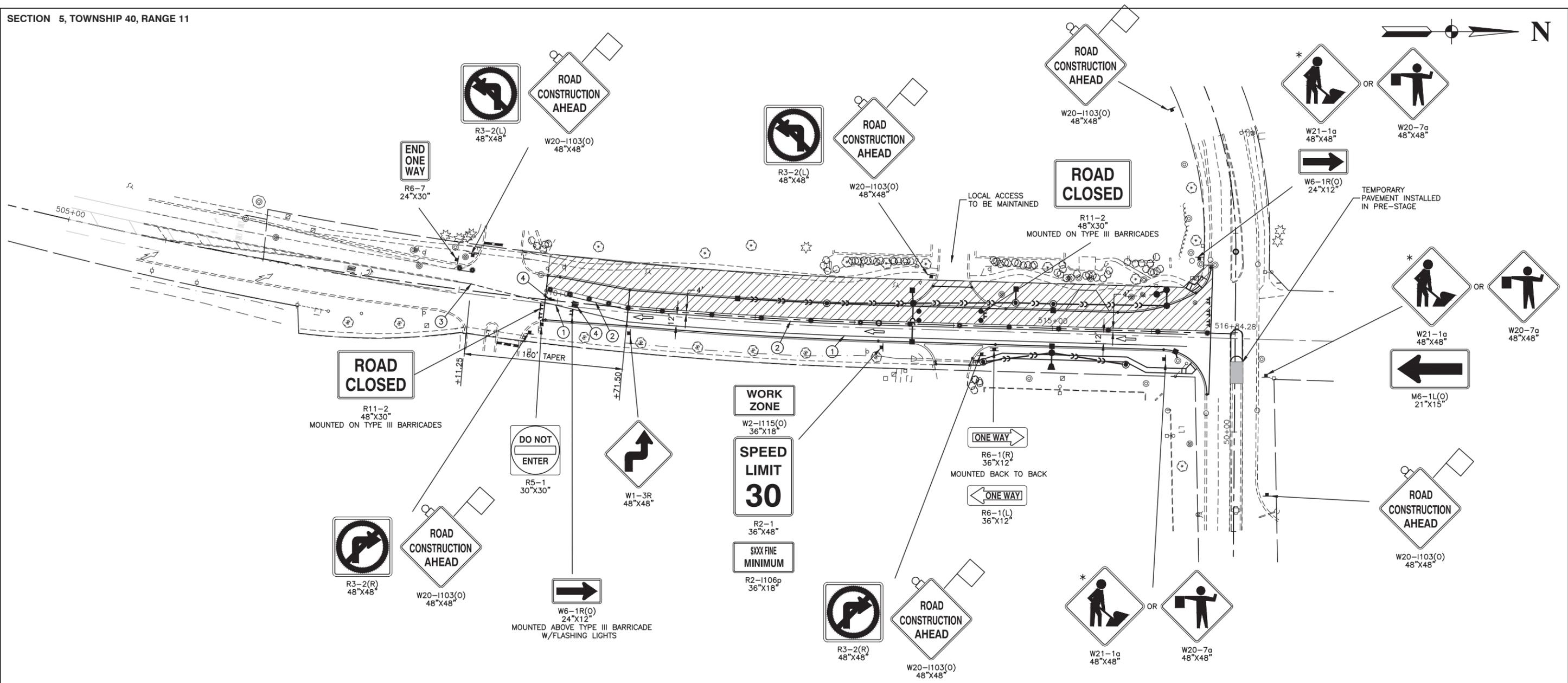
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	CHECKED -- WJD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 12-11-2018	CHECKED -- APG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION STAGING - STAGE 1	
SCALE: 1"=50'	SHEET NO. 10 OF 34 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	10
CONTRACT NO. 61F51				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	----	



LEGEND

- ① 4" YELLOW EDGE LINE - TEMPORARY PAVEMENT MARKINGS
- ② 4" WHITE EDGE LINE - TEMPORARY PAVEMENT MARKINGS
- ③ 6" WHITE SKIP DASH (2' LINE, 6' SPACE) - PAVEMENT MARKING TAPE, TYPE III
- ④ TEMPORARY SYMBOLS AND LETTERS, LARGE
- WORK AREA
- TEMPORARY PAVEMENT TO BE CONSTRUCTED - (SEE SHEET 5)
- VERTICAL PANEL WITH STEADY BURNING LIGHT (50' C-C)
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURNING LIGHT (50' C-C)
- TYPE III BARRICADE WITH STEADY BURNING LIGHT
- SIGN
- TYPE F BARRICADE
- CRASH ATTENUATER
- TRAFFIC FLOW

* TO BE REMOVED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

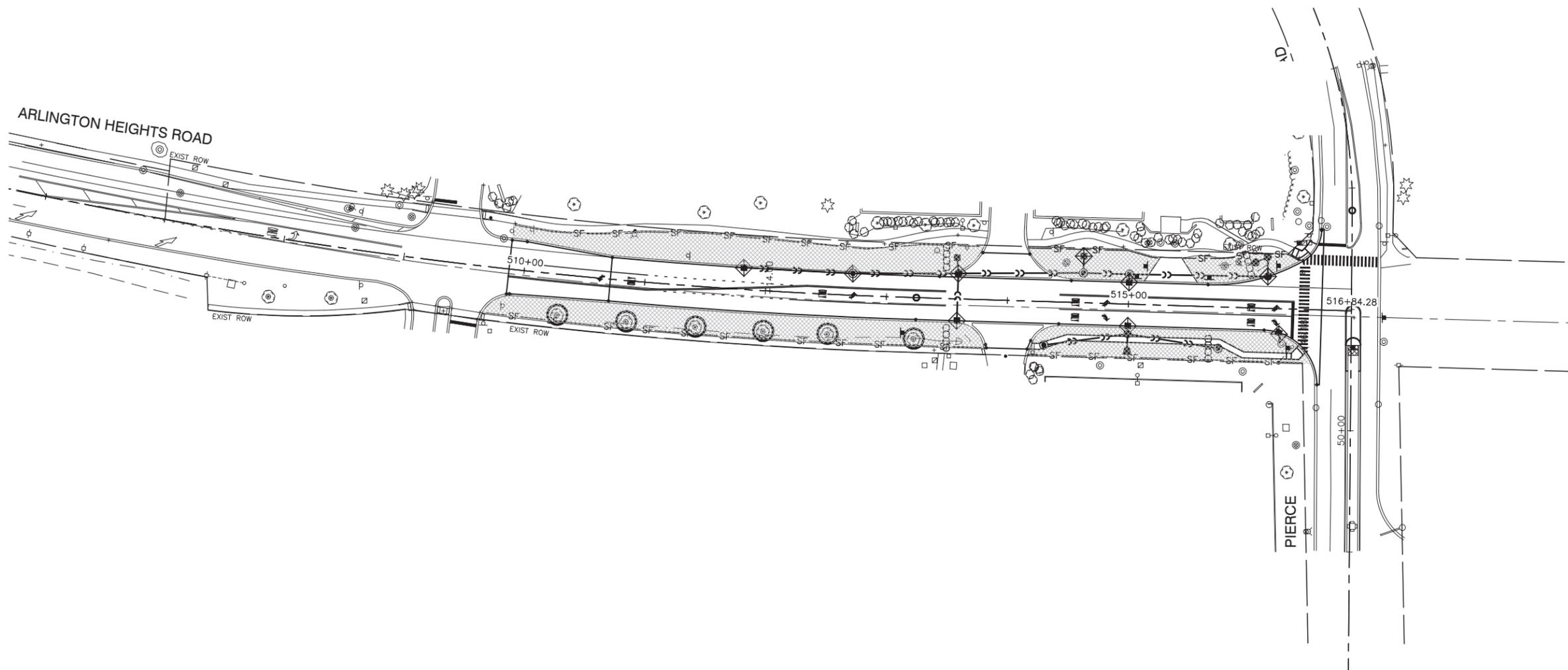
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PLOT SCALE =	DRAWN -- ACAD	REVISED --
PLOT DATE = 12-11-2018	CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION STAGING - STAGE 2	
SCALE: 1"=50'	SHEET NO. 11 OF 34 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	11
CONTRACT NO. 61F51				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	----	



KEY	ITEM NAME
—SF—	PERIMETER EROSION BARRIER TO BE PLACED 1' FROM R.O.W.
⊗	TREE TRUNK PROTECTION
◆	INLET FILTER
⊙⊙⊙⊙	TEMPORARY DITCH CHECKS
▨	TOPSOIL FURNISH AND PLACE, 4" & SODDING, SALT TOLERANT

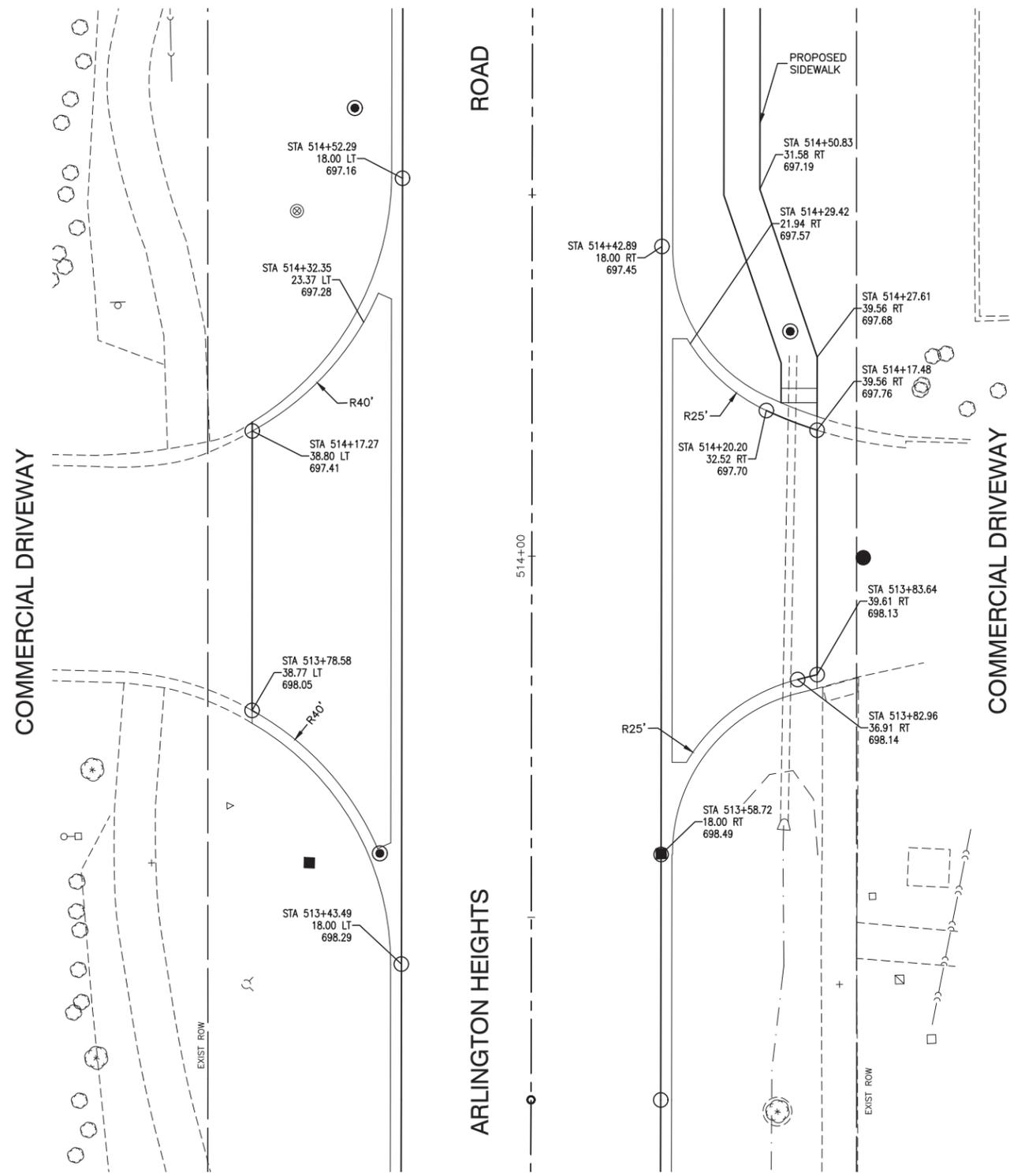
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		CHECKED — WJD	REVISED —
	PLOT SCALE =	DRAWN — MED	REVISED —
	PLOT DATE = 12-11-2018	CHECKED — AG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

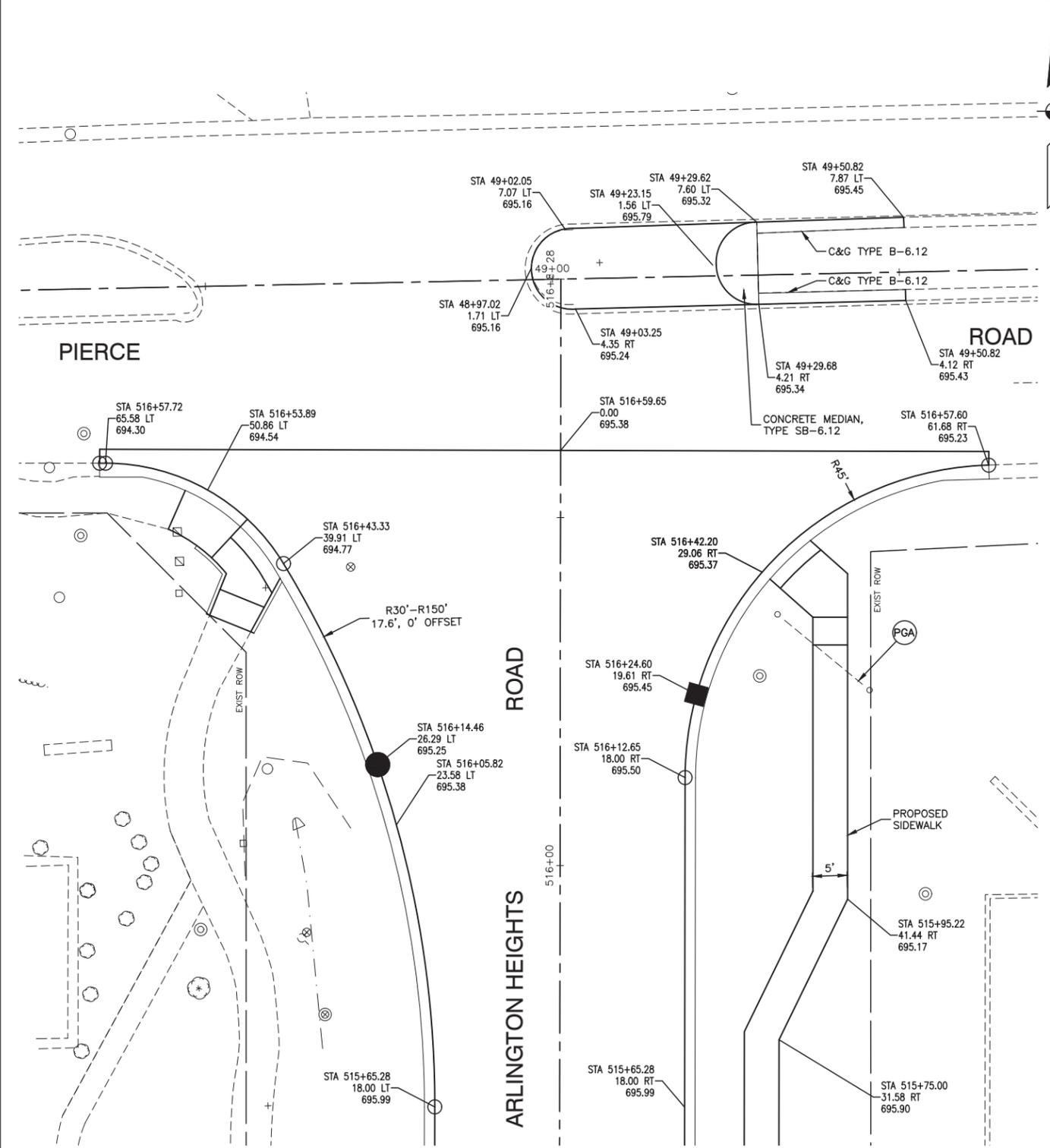
LANDSCAPING & EROSION CONTROL

SCALE: 1"=50' SHEET NO. 12 OF 34 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	12
CONTRACT NO. 61F51				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	----	



INTERSECTION DETAIL
ARLINGTON HEIGHTS ROAD AND COMMERCIAL DRIVEWAYS



INTERSECTION DETAIL
ARLINGTON HEIGHTS ROAD AND PIERCE ROAD

PGA MODIFY EXISTING GUY WIRE & ANCHOR PAID AS PERMANENT GROUND ANCHOR SEE INTERSECTION DETAIL AND SPECIAL PROVISIONS FOR DETAILS

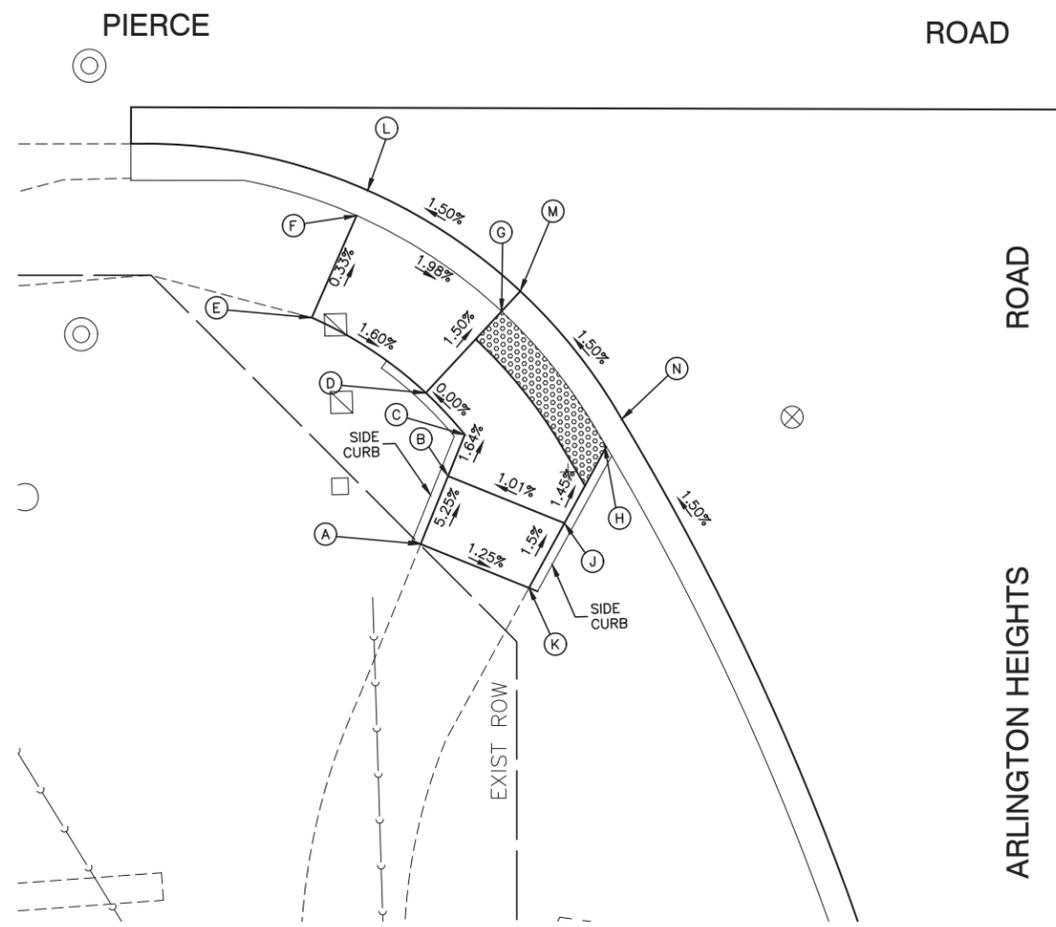
NOTE: SEE ADA RAMP DETAILS SHEET 15 & 16

FILE NAME = 16R0459_02-INTER-01-IDOT_INTER	USER NAME =	DESIGNED -- JDH	REVISED --
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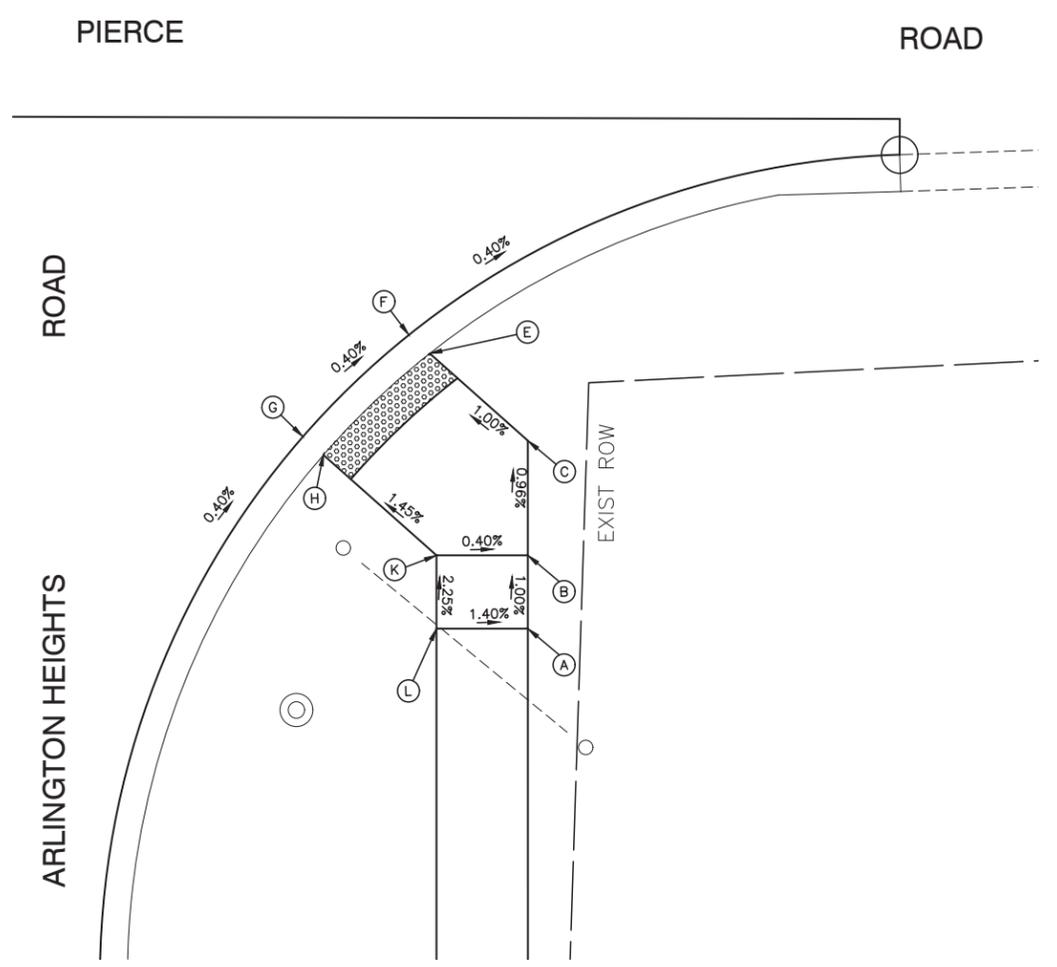
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL	
SCALE: 1"=20'	SHEET NO. 14 OF 34 SHEETS
STA.	TO STA.

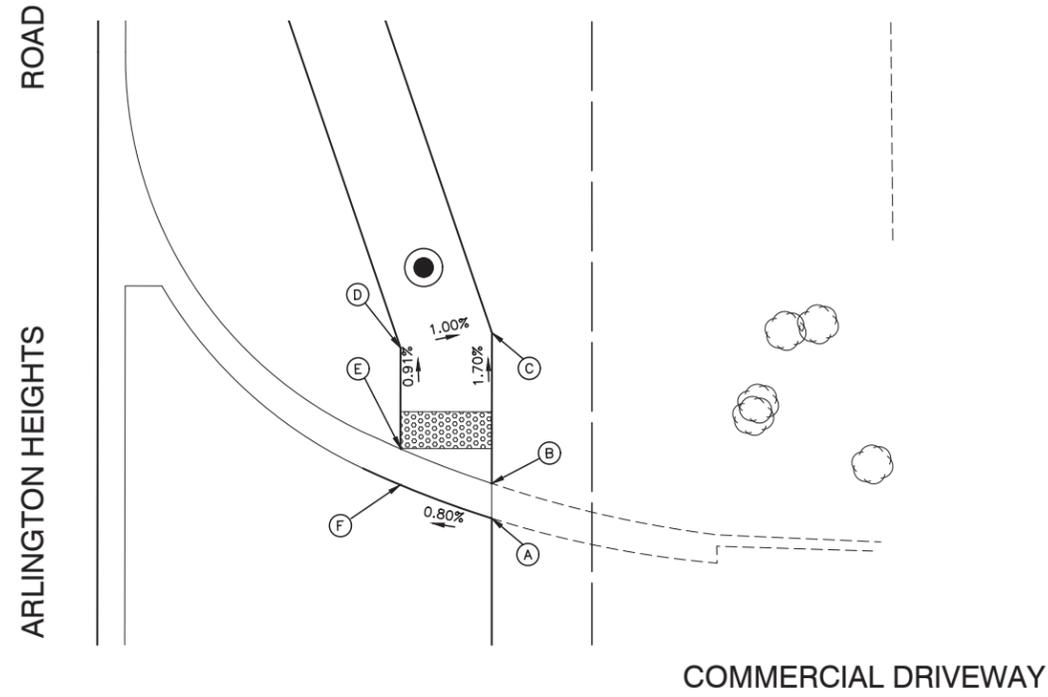
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	14
CONTRACT NO. 61F51				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



POINT	STATION	OFFFSET	ELEVATION	NOTES
A	516+35.91	50.5 LT	695.05	M.E.
B	516+39.62	49.1 LT	694.84	CW
C	516+41.88	48.1 LT	694.80	CW
D	516+44.15	50.3 LT	694.80	CW
E	516+48.25	56.5 LT	694.92	M.E.
F	516+53.82	54.1 LT	694.90	CW/TC
G	516+48.61	46.1 LT	694.71	TC/DEP
H	516+41.24	40.4 LT	694.84	TC/DEP
J	516+37.05	42.7 LT	694.91	CW
K	516+33.52	44.6 LT	694.97	M.E.
L	516+55.19	53.5 LT	694.50	EOP
M	516+49.71	45.1 LT	694.65	EOP
N	516+42.76	39.6 LT	694.78	EOP



POINT	STATION	OFFFSET	ELEVATION	NOTES
A	516+31.75	41.4 RT	695.57	CW
B	516+35.75	41.4 RT	695.53	CW
C	516+42.00	41.4 RT	695.47	CW
E	516+46.75	36.0 RT	695.40	TC/DEP
F	516+47.93	35.1 RT	695.34	EOP
G	516+42.19	29.1 RT	695.37	EOP
H	516+41.21	30.2 RT	695.43	TC/DEP
K	516+35.74	36.4 RT	695.55	CW
L	516+31.74	36.4 RT	695.64	CW



POINT	STATION	OFFSET	ELEVATION	NOTES
A	514+17.48	39.6 RT	697.76	EOP
B	514+19.39	39.6 RT	697.82	T/C DEP
C	514+27.61	39.6 RT	697.68	CW
D	514+26.78	34.6 RT	697.73	CW
E	514+21.33	34.6 RT	697.78	T/C DEP
F	514+19.43	34.5 RT	697.72	EOP

FILE NAME = 16R0459_02-ADA-01 - IDOT_ADA (2)

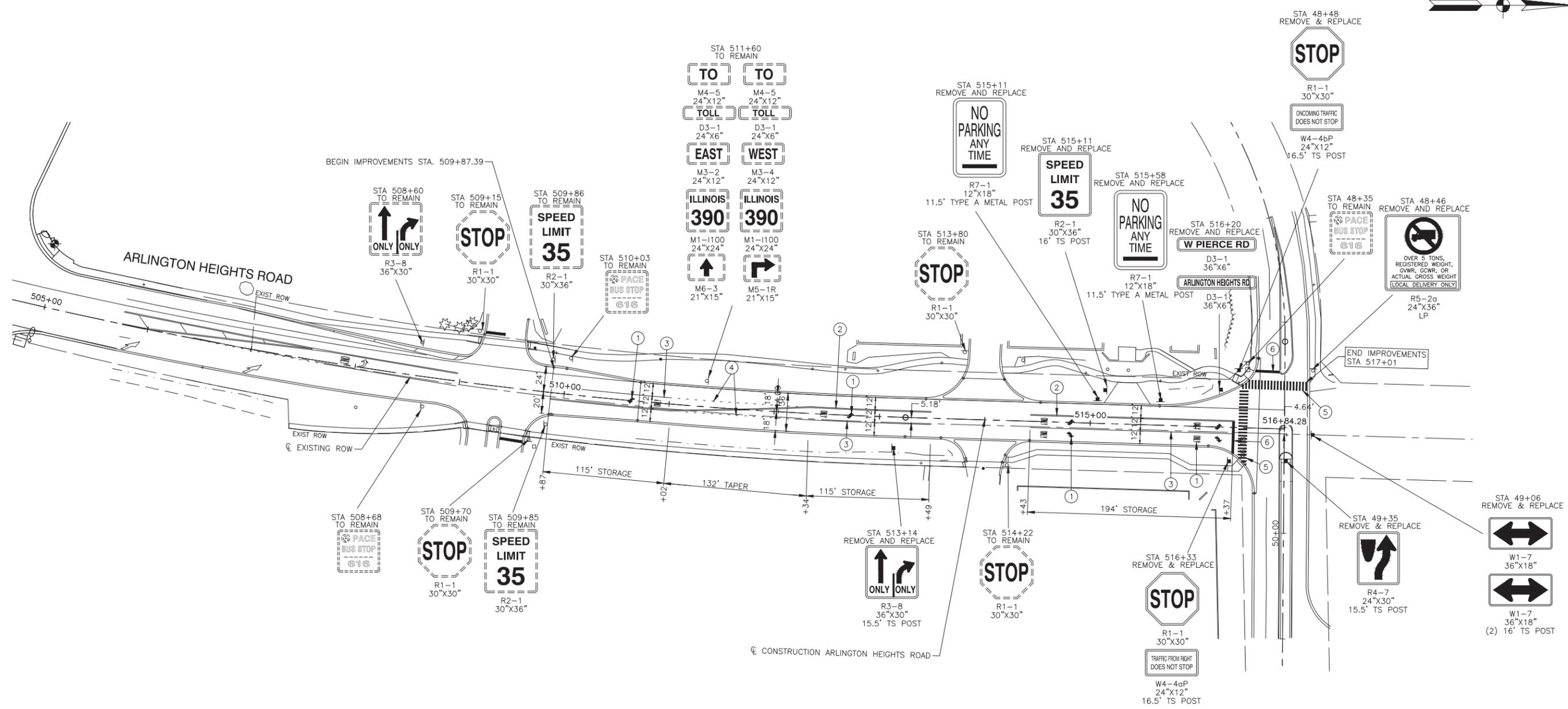
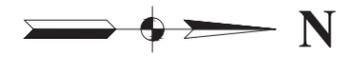
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	CHECKED -- WJD	REVISED --
PLOT SCALE = 1"=5'	DRAWN -- MED	REVISED --
PLOT DATE = 12-11-2018	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS

SCALE: 1"=5' SHEET NO. 16 OF 34 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	16
CONTRACT NO. 61F51				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	----	



PAVEMENT MARKING LEGEND

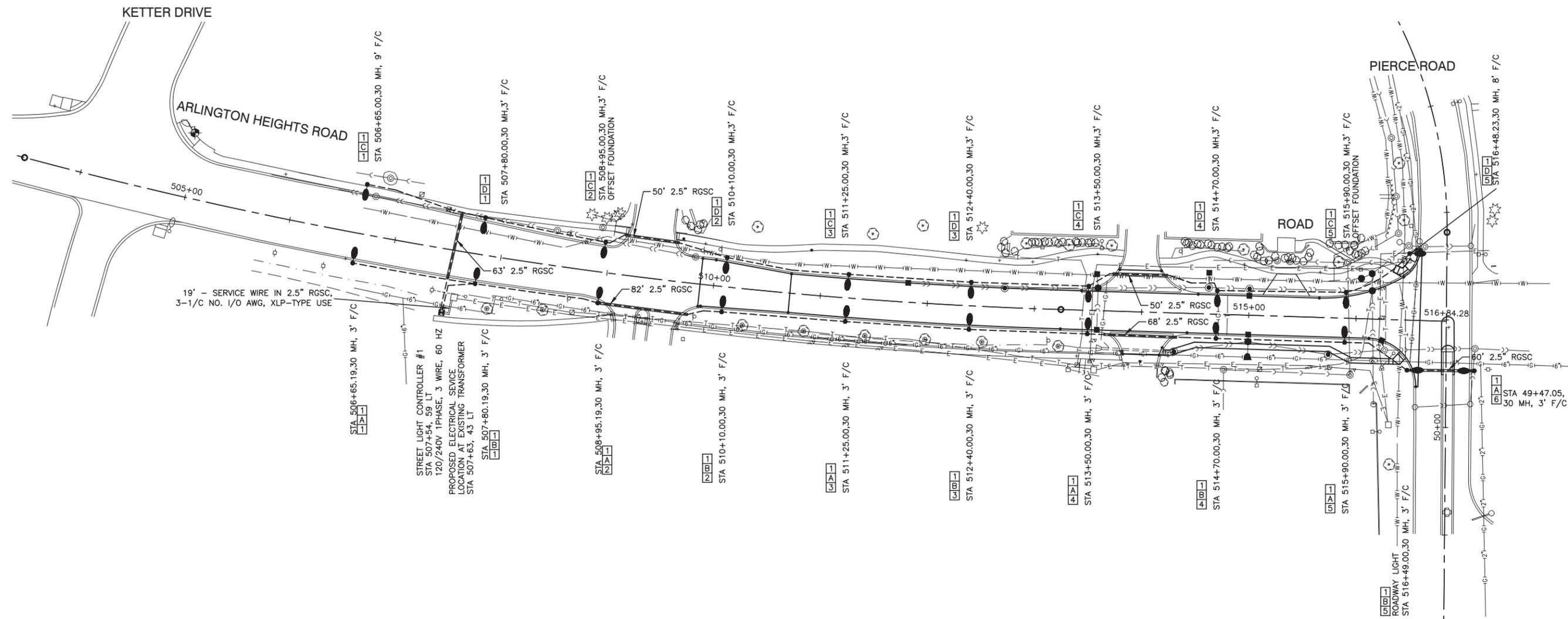
- ① WHITE LETTERS & SYMBOLS
- ② DOUBLE 4" YELLOW CENTERLINE (11" C/C)
- ③ 6" WHITE LANE LINE
- ④ 6" WHITE SKIP-DASH LINE (2' LINE - 6' SPACE)
- ⑤ 12" WHITE CROSSWALK (2' APART 6' WIDE)
- ⑥ 24" WHITE STOP BAR
- PROPOSED TRAFFIC SIGN
- ◻ EXISTING TRAFFIC SIGN
- LP MOUNTED ON POLE

FILE NAME = 16R0459_02-PLAN-01 - IDOT_PMKG	USER NAME =	DESIGNED -- JDH	REVISED --
		CHECKED -- WJD	REVISED --
	PLOT SCALE =	DRAWN -- MED	REVISED --
	PLOT DATE = 12-11-2018	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

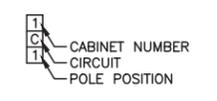
PAVEMENT MARKING & SIGNING	
SCALE: 1"=50'	SHEET NO. 17 OF 34 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	17
CONTRACT NO. 61F51				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



- LEGEND:**
- ⊕ EXISTING POWER POLE
 - EXISTING STORM SEWER
 - EXISTING SANITARY SEWER
 - EXISTING WATER MAIN
 - EXISTING BURIED CABLE TV
 - EXISTING OVERHEAD CABLE TV
 - EXISTING OVERHEAD ELECTRIC
 - EXISTING BURIED TELEPHONE
 - EXISTING GAS MAIN
 - EXISTING STREET LIGHT
 - PROPOSED STREET LIGHT-210W INDUCTION
 - PROPOSED CONTROLLER
 - UNDERGROUND CONDUIT, RIGID GALVANIZED STEEL (RGSC)
 - UNIT DUCT, 600V, 3-1/C, NO.6 AWG AND 1/C NO.8 AWG GROUND, (XLP TYPE USE), 1-1/4" DIA. POLYETHYLENE
 - SERVICE WIRE, 3-1/C, NO. 1/0 AWG.
 - MH MOUNTING HEIGHT
 - MA MAST ARM
 - F/C FACE OF CURB TO CENTER OF FOUNDATION

POLE IDENTIFICATION



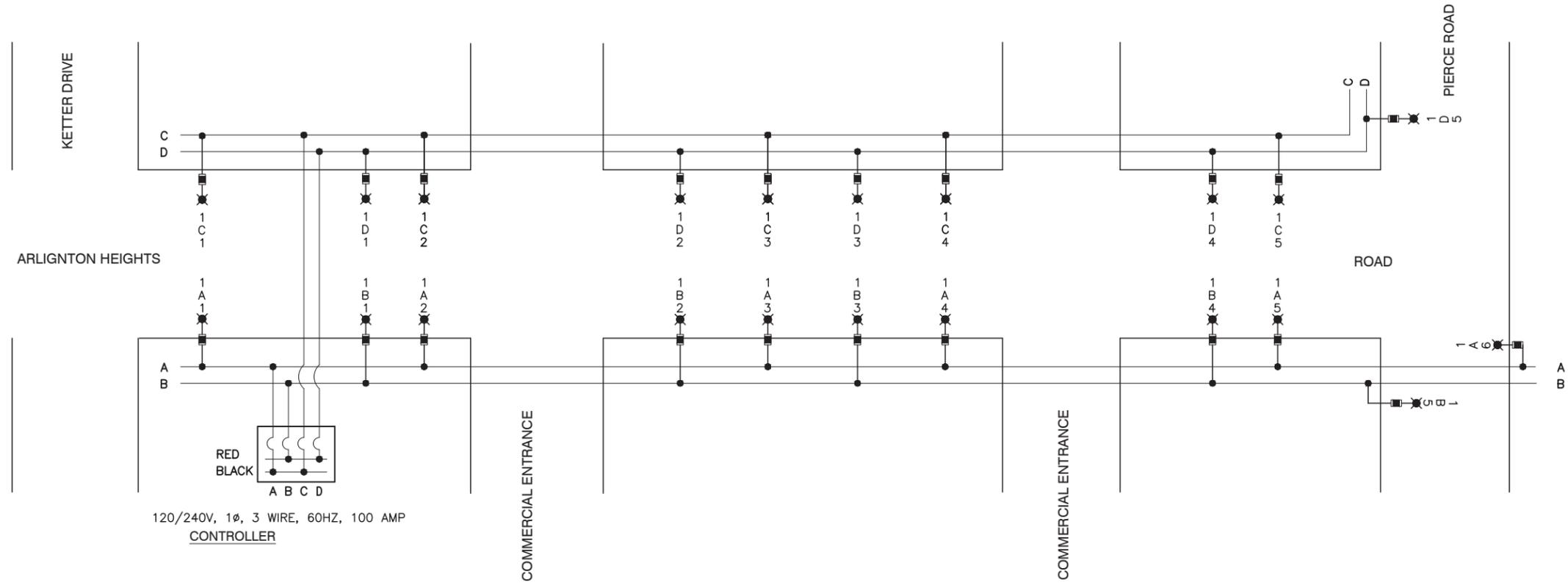
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		CHECKED -- WJD	REVISED --
	PLOT SCALE =	DRAWN -- MED	REVISED --
	PLOT DATE = 12-11-2018	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=50'		SHEET NO. 18 OF 34 SHEETS		STATION TO STA.	
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STREET LIGHTING

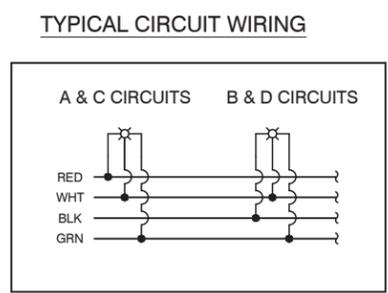
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	18
CONTRACT NO. 61F51				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



120/240V, 1 ϕ , 3 WIRE, 60HZ, 100 AMP
CONTROLLER

NOMINAL WATTAGE	FUSE SIZE
200	3.5 AMP

FUSE SIZE TABLE



CABINET 1 - ARLINGTON HEIGHTS ROAD (PROPOSED)

CIRCUIT	WATTS	AMPS @ 120V	
		RED PHASE	BLACK PHASE
A	1260	10.50	
B	1050		8.75
C	1050	8.75	
D	1050		8.75
SUBTOTAL	4410	19.25	17.50
TOTAL AMPS @ 240 V			36.75

INDIVIDUAL LOAD DATA

NOMINAL	INPUT VOLTS	MAX INPUT AMPS	INPUT WATTS
200	120.00	1.75	210.00

NOTES

- EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BOUNDED AT EACH LIGHT POLE OR OTHER EQUIPMENT.

- LEGEND**
- ☒ PROPOSED LUMINAIRE, - 210W INDUCTION
 - ☒ PROPOSED FUSE - REFER TO FUSE SIZE TABLE
 - A LUMINAIRE CIRCUIT
 - ⌋ CIRCUIT BREAKER
 - CONNECTION

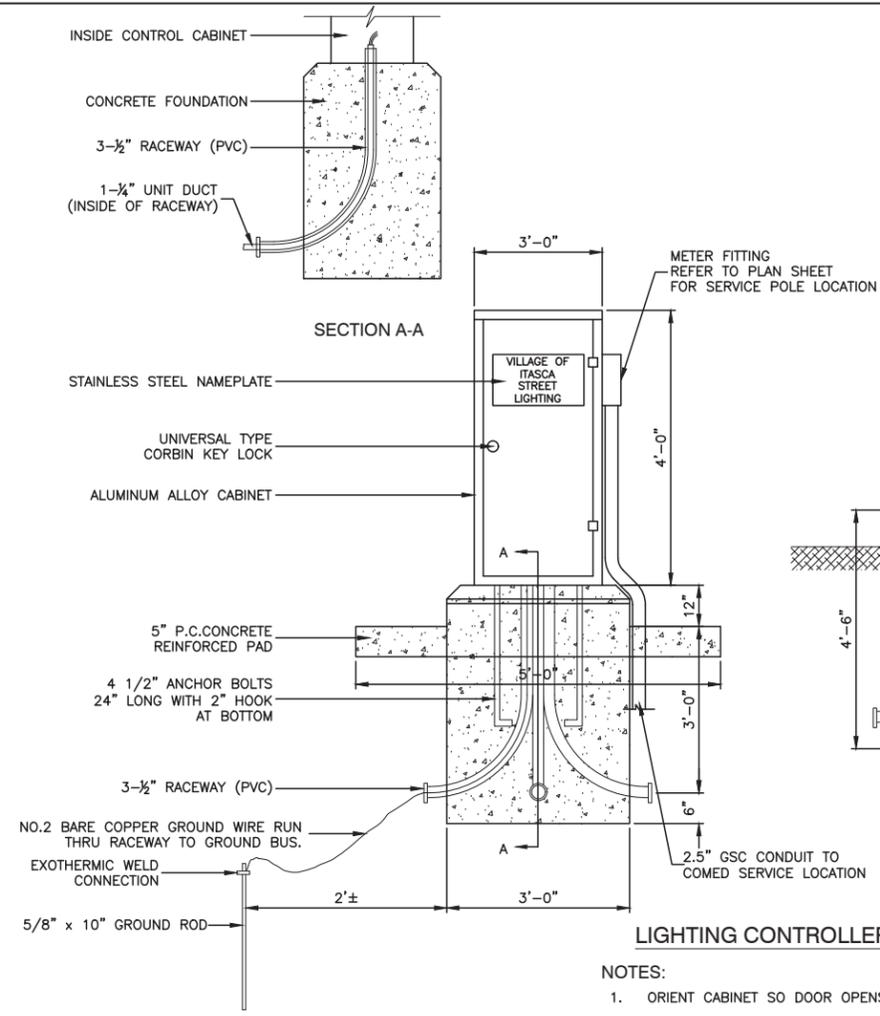
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		CHECKED -- WJD	REVISED --
	PLOT SCALE =	DRAWN -- ACAD	REVISED --
	PLOT DATE = 12-11-2018	CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHT DETAILS

SCALE:	SHEET NO. 19 OF 34 SHEETS	STA.	TO STA.
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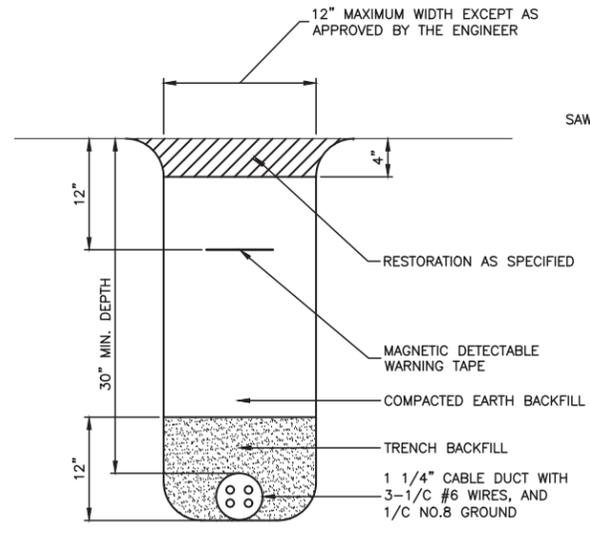
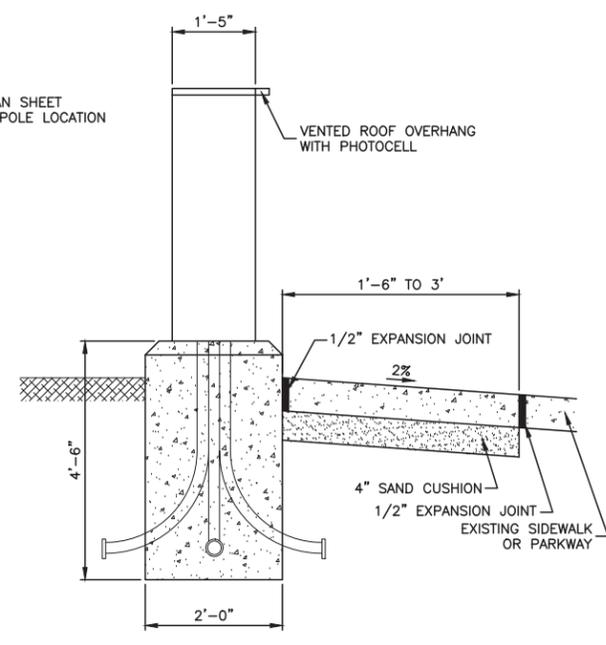
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	19
CONTRACT NO. 61F51				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	----	



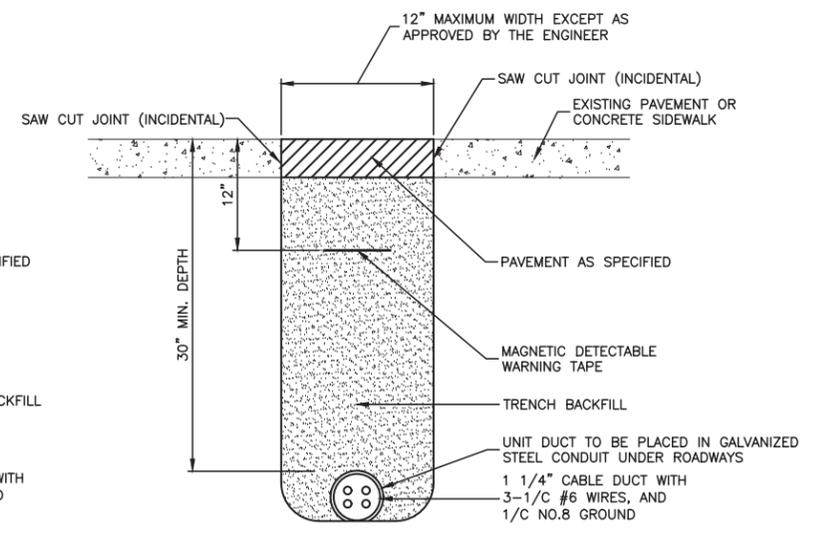
LIGHTING CONTROLLER INSTALLATION

NOTES:

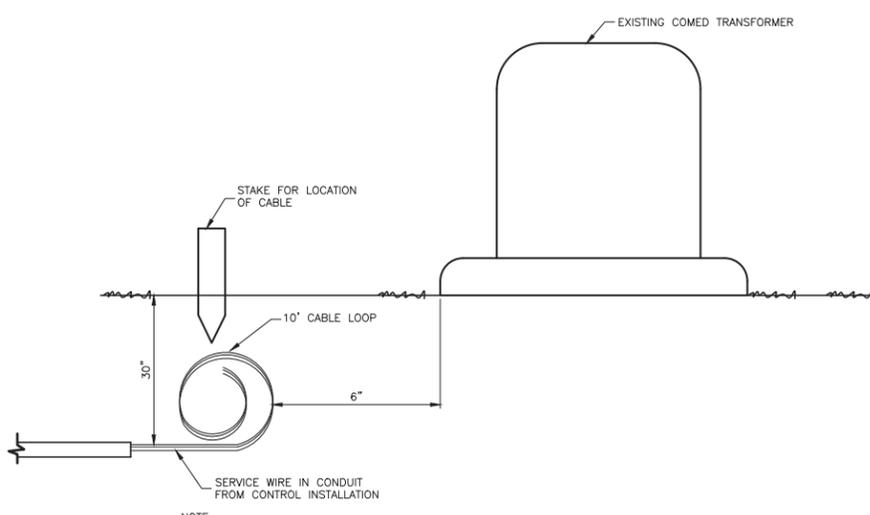
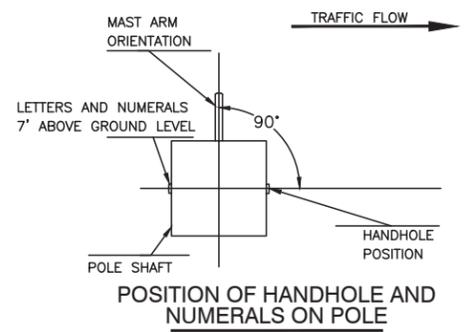
1. ORIENT CABINET SO DOOR OPENS AWAY FROM TRAFFIC.
2. METER FITTING TO BE LOCATED ON THE SIDE OF THE CABINET CLOSEST TO SERVICE POLE.



TRENCH DETAIL - UNPAVED AREAS



TRENCH DETAIL - PAVED AREAS



ELECTRIC UTILITY SERVICE CONNECTION

NOTES:

1. SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
2. UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF ELECTRIC UTILITY SERVICE INSTALLATION.
3. CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED.
4. PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
5. THE SERVICE METER SOCKET, AS APPLICABLE, MOUNTED ELSEWHERE AS INDICATED SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
6. THE SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALLIC TO NON METALLIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
7. PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION.

AGENCY: The Will Group
PROJECT: Village of Itasca
QUOTE#:

POLE
Model: AR30-61S5B801
Top Dia: 5"
Taper: None
Construction: pultruded Fiberglass reinforced isophthalic polyester resin utilizing longitudinal glass roving, continuous strand mat and off axis fibers.
Anchor Base: 11.125 sq. plate 3/4" thick height: 6.5"
Material: A356-T6 Aluminum Alloy.
Bolt Circle: 11.38"
Anchor Bolts 1" x 30" x 4" Galvanized
Ultimate tensile Strength: Transverse-8000 psi
Longitudinal-45000 psi
Ultimate Flexural Strength: Transverse-15000 psi
Longitudinal-45000 psi

Pole Top: Top Cap
Hand Hole: 2 1/2" x 5" @ 18" Above grade
Cover painted to match pole
Color: Dark Bronze
Pole Weight: 164 lbs approx
MAX E.P.A. for attachments: 5.1 @ 90 mph
MAX Attachment Weight: 300 lbs
Base Cover: Optional (OPSH-AR-5)

ANCHOR BASE DETAIL
Bolt Circle: 11.38"
Reinforcing Insert
11.125 sq.
1.25"
6.5"

Shakespeare
19845 US Highway 76
Newberry, SC 29108
phone: (803) 276-5505
fax: (803) 276-8948
www.skd-cs.com

REV	DESCRIPTION	DATE

PART NO. AR30-61S5B801 DESCRIPTION: Pole Assembly
SCALE: 1:44 SIZE: A REV:

DOCUMENTATION	INITIAL	DATE
DRAWING	JTC	8/14/18
QUOTE REQUEST		
TOOLING REQUEST		
FIRST ARTICLE REQUEST		
FIRST ARTICLE INSPECTION		
PRODUCTION RELEASE		

UNLESS OTHERWISE NOTED:
DIMENSIONS ARE IN INCHES
TOLERANCES: DECIMAL .005 ± .03
DECIMAL .005 ± .010
ANGLE ± 1/2

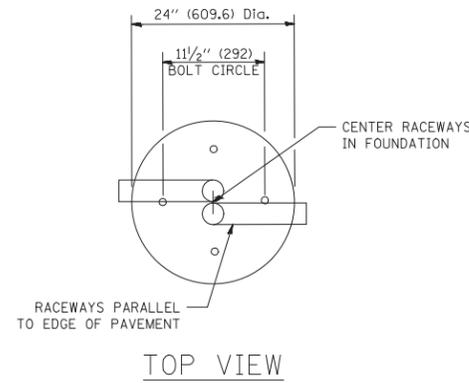
DO NOT SCALE DRAWING

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SHAKESPEARE. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SHAKESPEARE IS PROHIBITED.

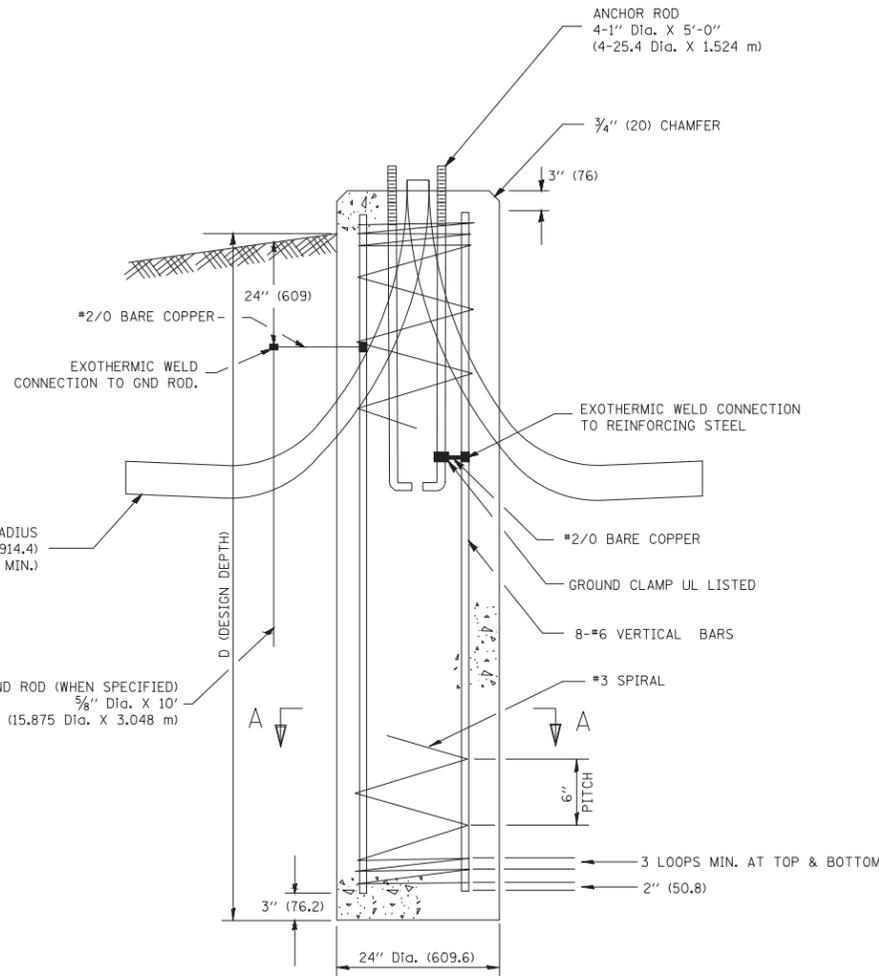
1. THE LIGHTING UNITS SHALL MEET THE MOST RECENT AASHTO LRFD DESIGN CRITERIA.
2. LIGHT POLE AND ALL ASSOCIATED EQUIPMENT SHALL BE UL LISTED.

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

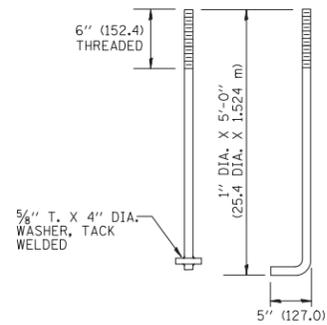
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



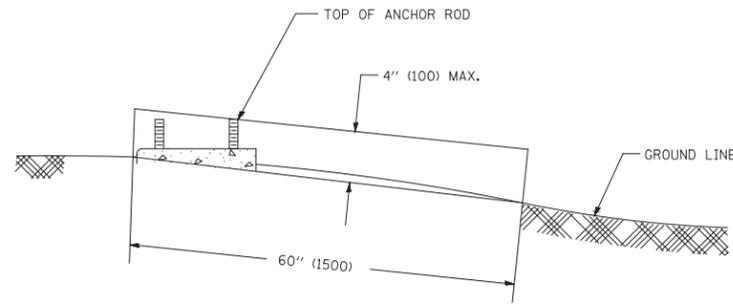
TOP VIEW



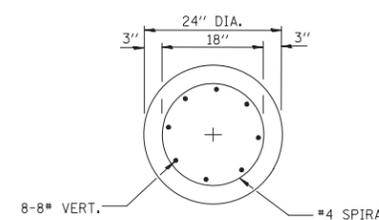
FOUNDATION DETAIL



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS S1. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

FILE NAME = 16R0459_02-DTLS-01 -IDOT-001 (8)

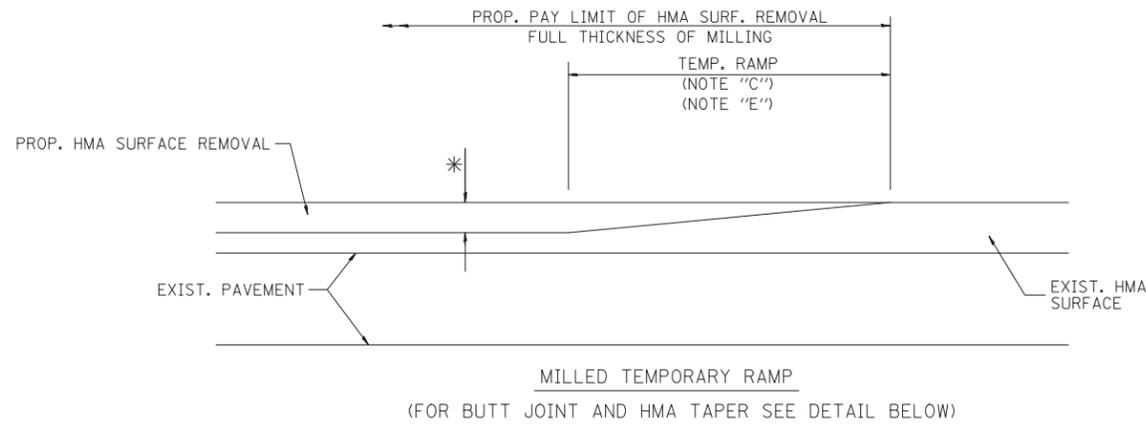
USER NAME =	DESIGNED --	REVISED --
PLOT SCALE =	CHECKED --	REVISED --
PLOT DATE = 12-11-2018	DRAWN --	REVISED --
	CHECKED --	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

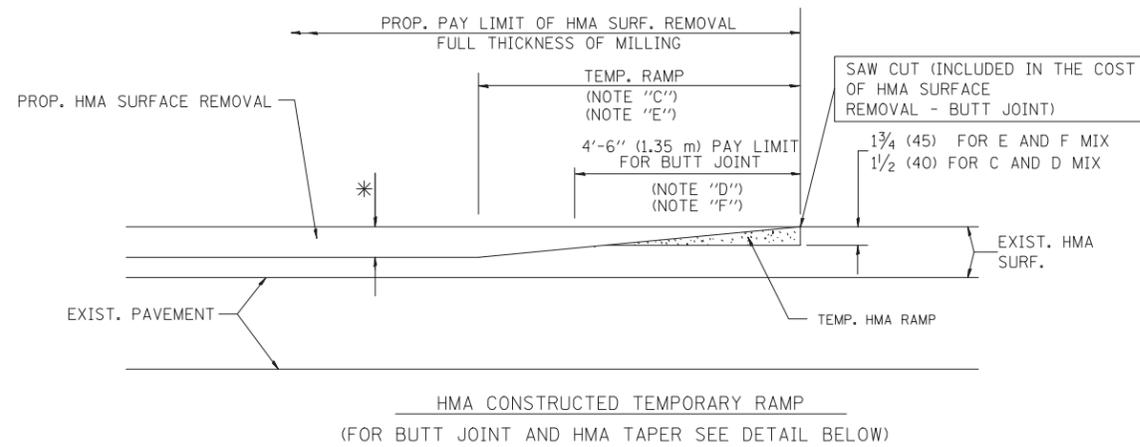
LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	22
BE-300		CONTRACT NO. 61F51		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT ----		

SCALE: SHEET NO. 22 OF 34 SHEETS STA. TO STA.

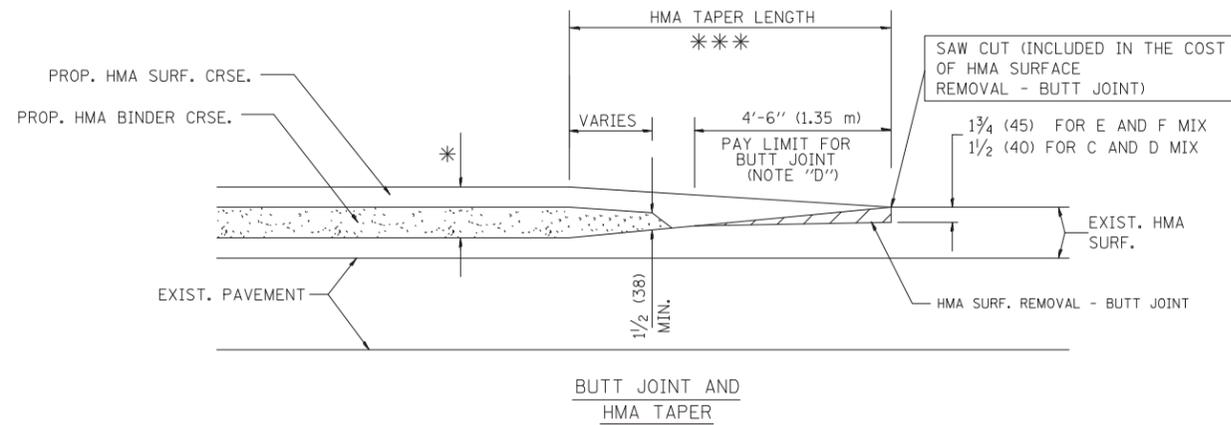


OPTION 1

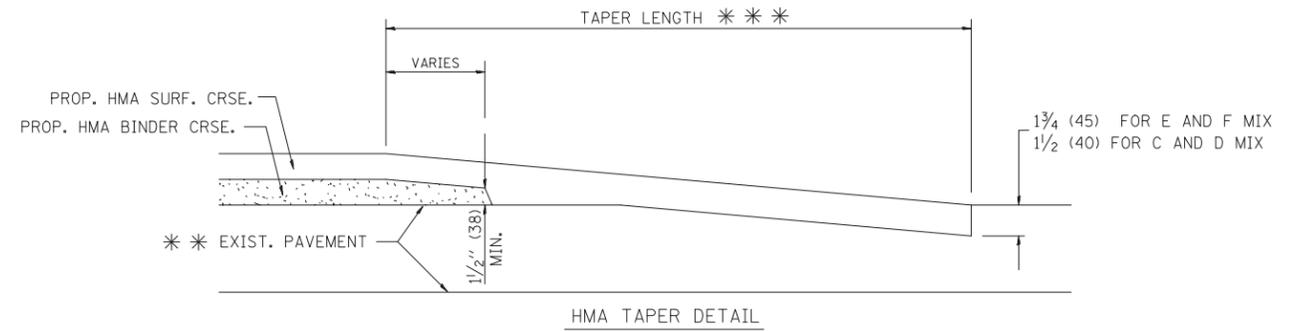
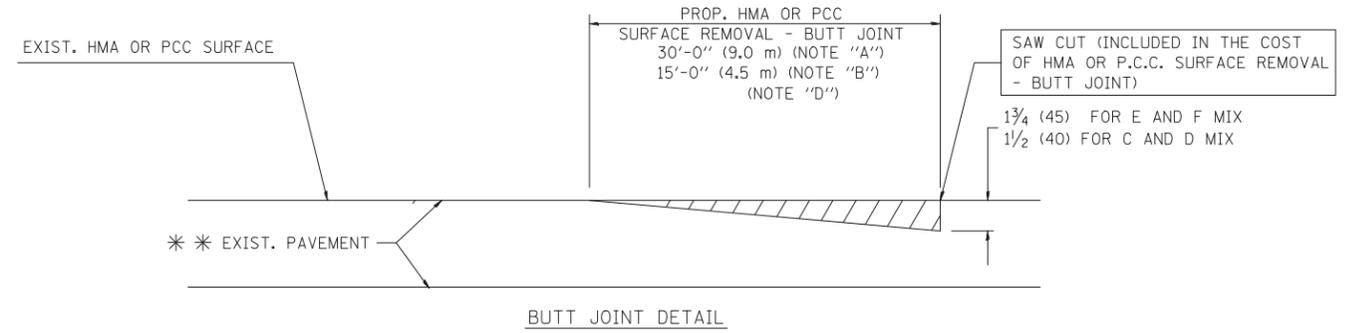


OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

NOTES

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

BASIS OF PAYMENT:

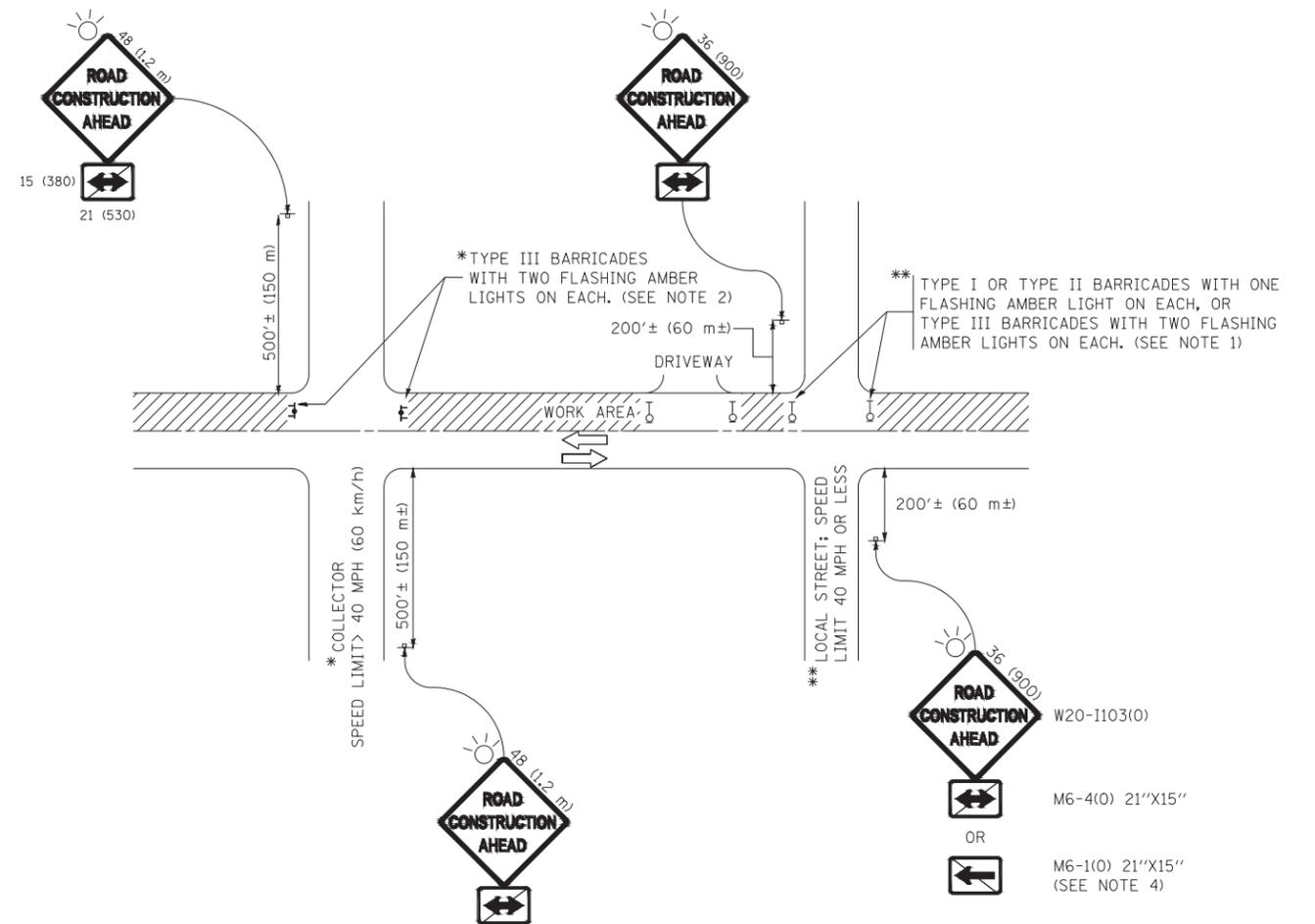
THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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

FILE NAME = 16R0459_02-DTLS-01 - IDOT-001	USER NAME =	DESIGNED -- M. DE YONG	REVISED -- R. SHAH 10-25-94
		CHECKED --	REVISED -- A. ABBAS 03-21-97
	PLOT SCALE =	DRAWN --	REVISED -- M. GOMEZ 04-06-01
	PLOT DATE = 12-11-2018	CHECKED -- 06-13-90	REVISED -- R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET NO. 23 OF 34 SHEETS		STA. TO STA.		F.A.U. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						2626	17-00064-00-FP	DUPAGE	34	23	
						BD400-05		BD32		CONTRACT NO. 61F51	
						FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT ----	



NOTES:

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 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. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

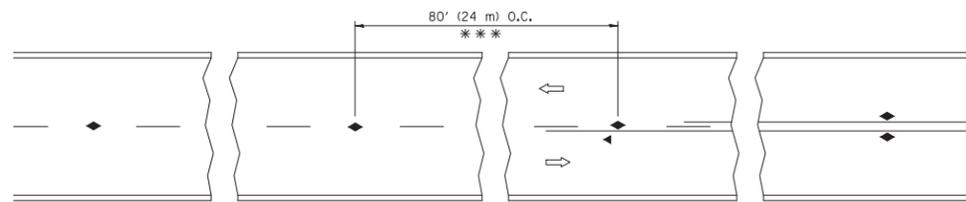
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		CHECKED -- \CADsheets\lct10.dgn	REVISED -- R. RAMMACHER 01-06-00
	PLOT SCALE =	DRAWN --	REVISED -- A. SCHUETZE 07-01-13
	PLOT DATE = 12-11-2018	CHECKED -- 06-89	REVISED -- A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

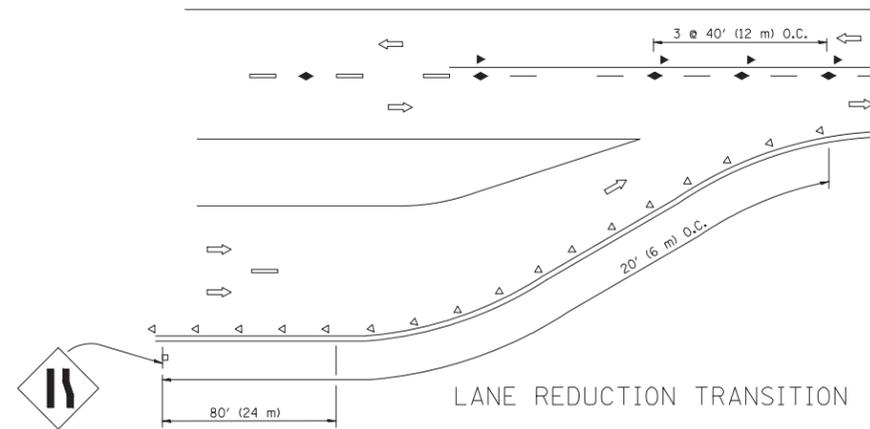
SCALE: SHEET NO. 24 OF 34 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	24
TC-10			CONTRACT NO. 61F51	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ----				

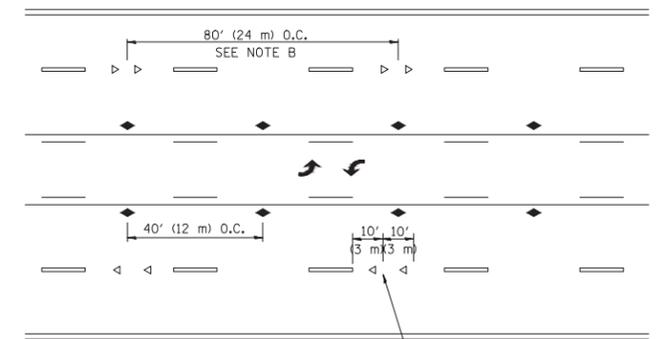


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

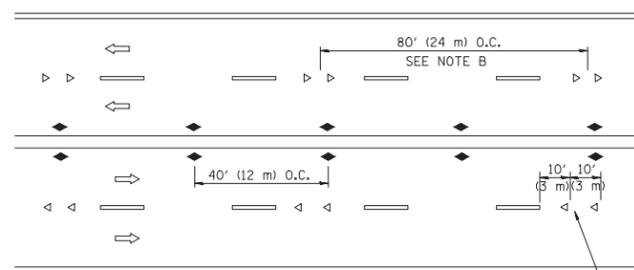
TWO-LANE/TWO-WAY



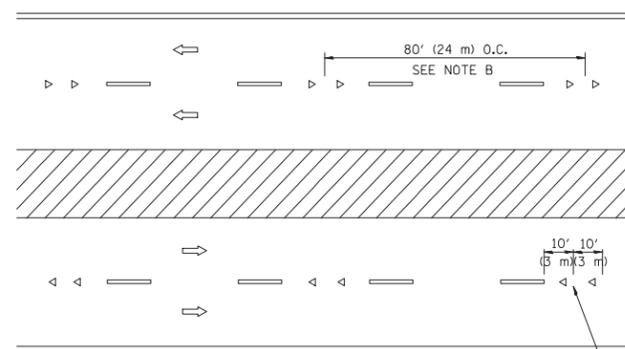
LANE REDUCTION TRANSITION



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

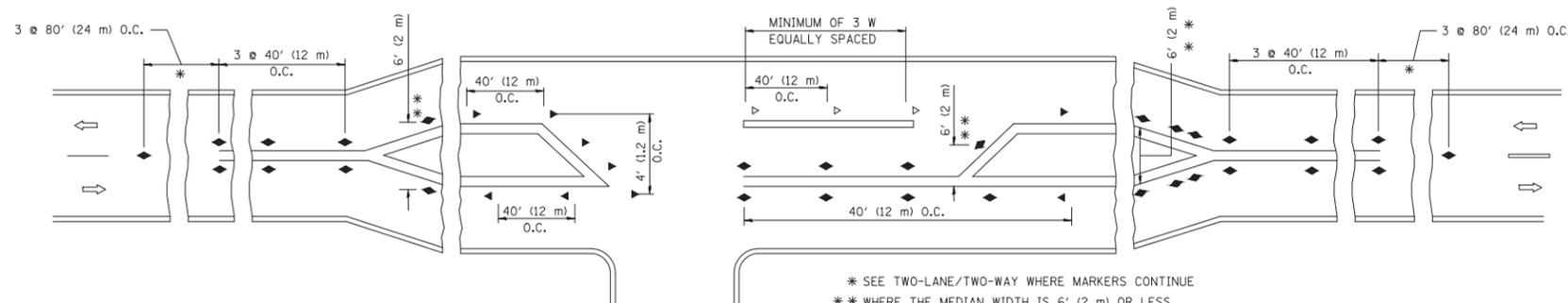
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



LEFT TURN

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

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

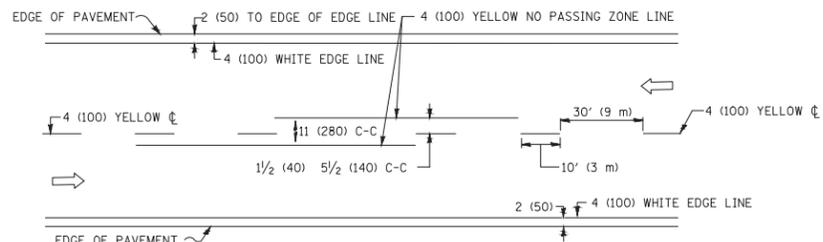
FILE NAME = 16R0459_02-DTLS-01 - IDOT-001 (3)	USER NAME =	DESIGNED =	REVISED = T. RAMMACHER 09-19-94
		CHECKED =	REVISED = T. RAMMACHER 03-12-99
	PLOT SCALE =	DRAWN =	REVISED = T. RAMMACHER 01-06-00
	PLOT DATE = 12-11-2018	CHECKED =	REVISED = C. JUCIUS 09-09-09

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

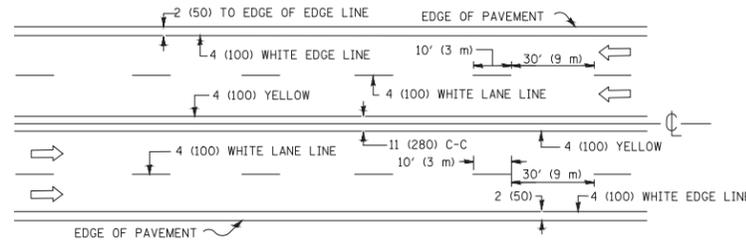
TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SCALE: SHEET NO. 25 OF 34 SHEETS STA. TO STA.

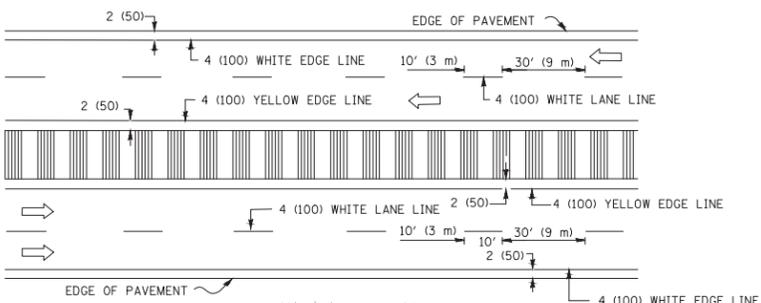
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	25
TC-11			CONTRACT NO. 61F51	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



2-LANE ROADWAY

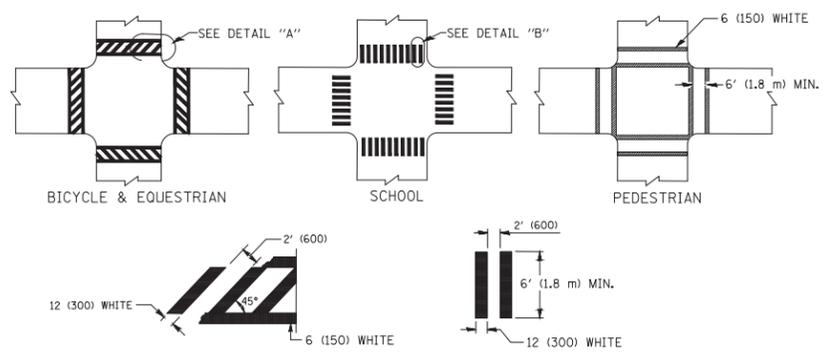


MULTI-LANE UNDIVIDED



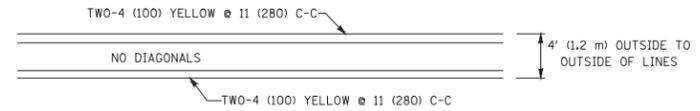
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

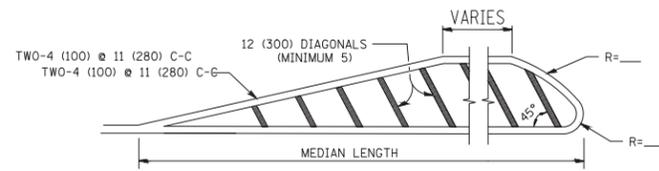


DETAIL "A" DETAIL "B" TYPICAL CROSSWALK MARKING

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

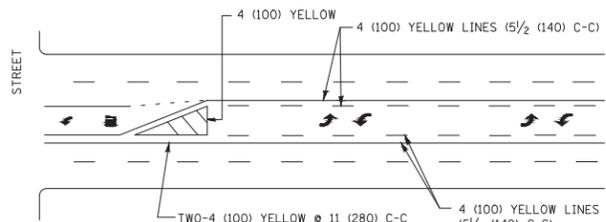


4' (1.2 m) WIDE MEDIANS ONLY



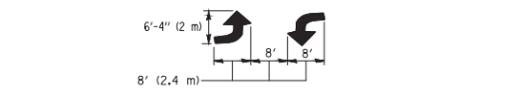
MEDIANS OVER 4' (1.2 m) WIDE

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

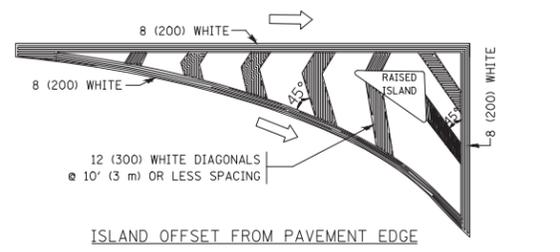
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



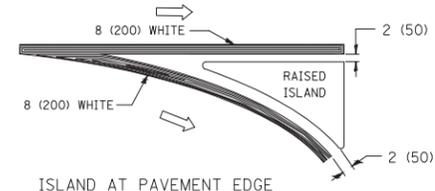
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

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

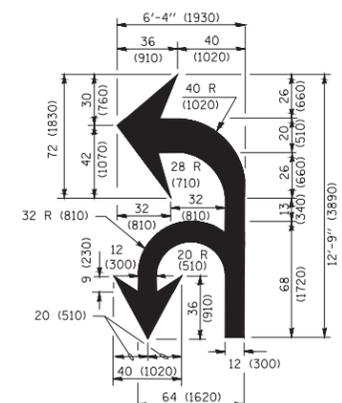
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



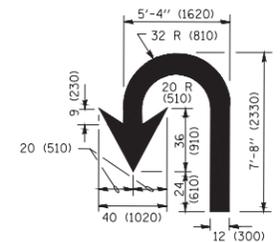
ISLAND OFFSET FROM PAVEMENT EDGE



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 SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

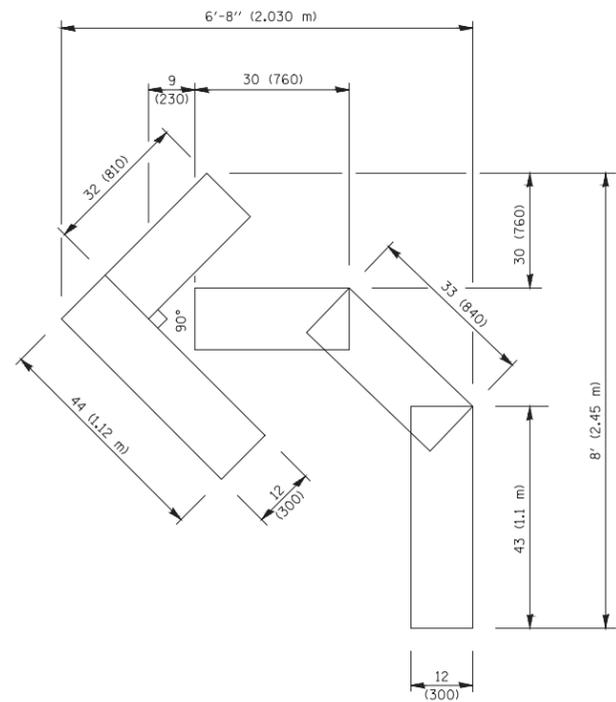
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = 16R0459_02-DTLS-01 - IDOT-001 (4)	USER NAME =	DESIGNED -- EVERS	REVISED -- C. JUCIUS 09-09-09
		CHECKED --	REVISED -- C. JUCIUS 07-01-13
	PLOT SCALE =	DRAWN --	REVISED -- C. JUCIUS 12-21-15
	PLOT DATE = 12-11-2018	CHECKED -- 03-19-90	REVISED -- C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

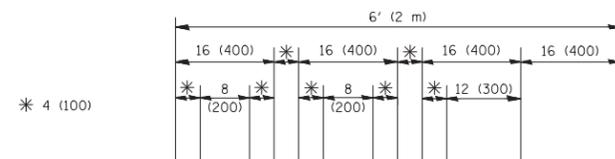
DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE:	SHEET NO. 26 OF 34 SHEETS	STA. TO STA.	F.A.U. RTE. 2626	SECTION 17-00064-00-FP	COUNTY DUPAGE	TOTAL SHEETS 34	SHEET NO. 26
			TC-13		CONTRACT NO. 61F51		
			FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT ----		



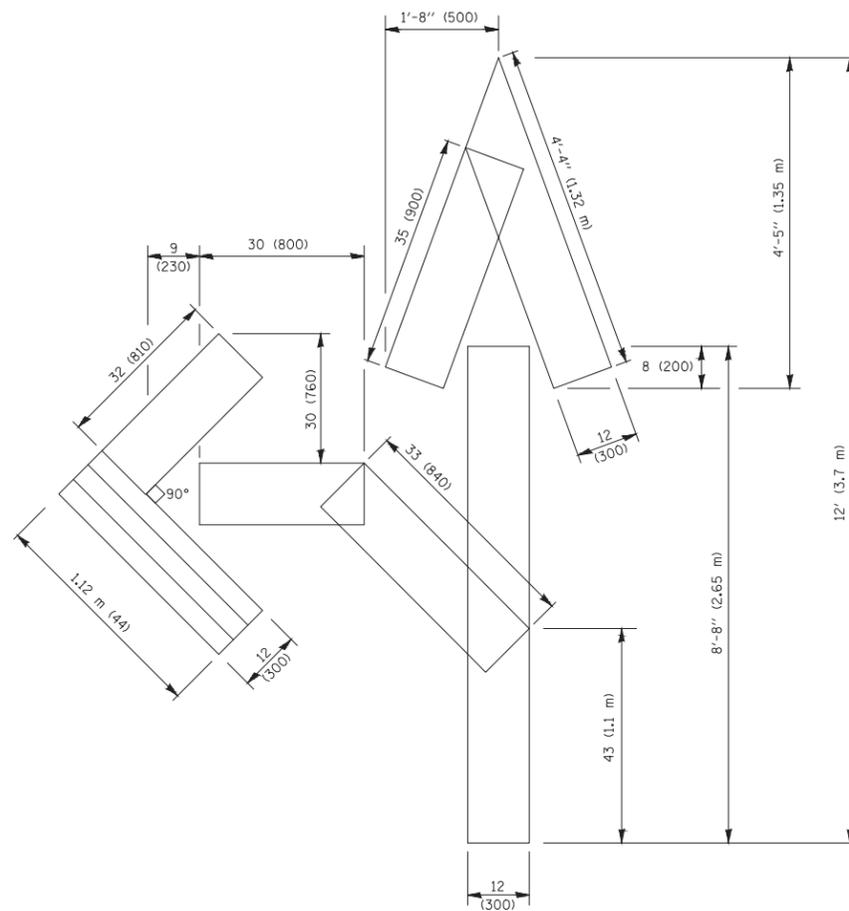
QUANTITY

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



QUANTITY

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

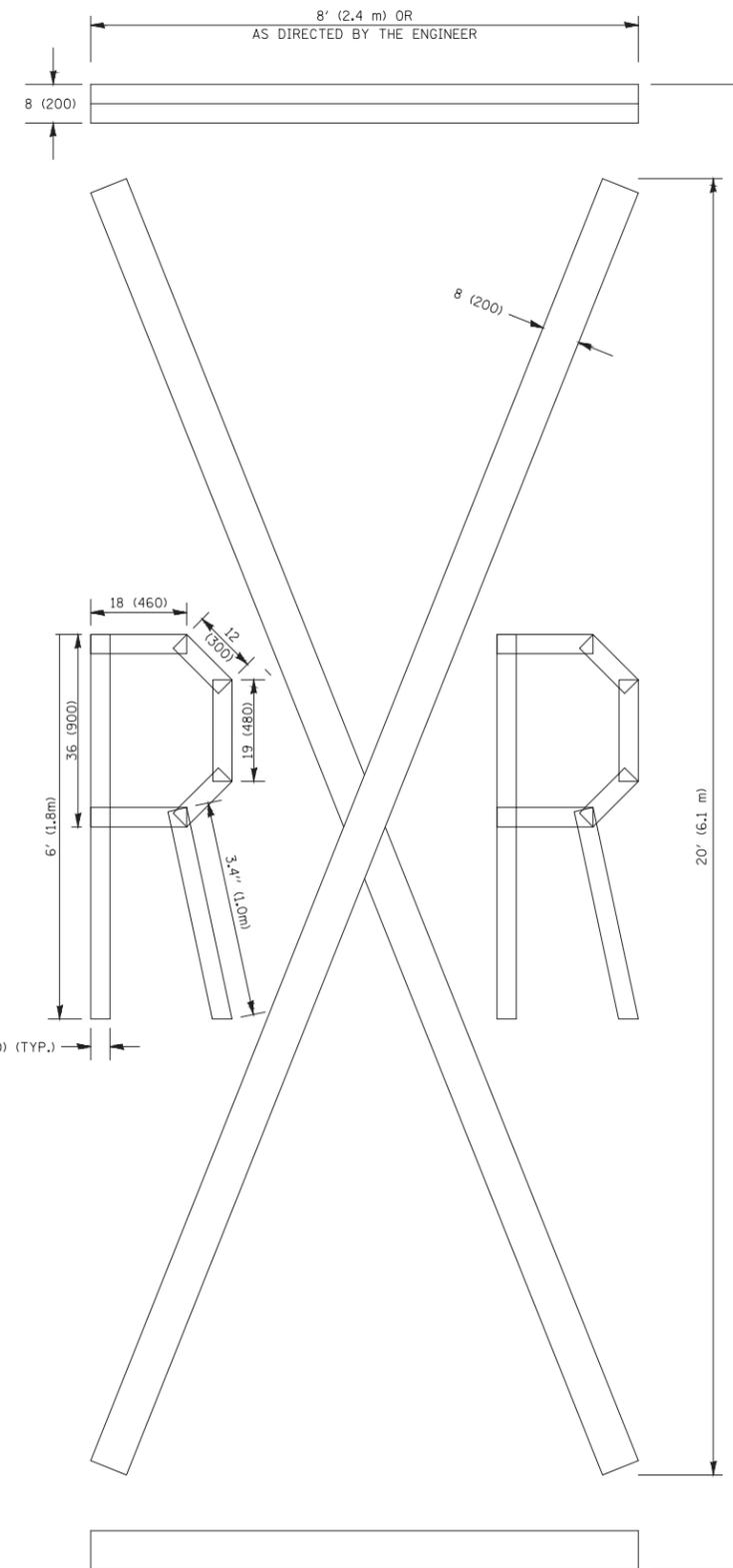


QUANTITY

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

NOTE:

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



QUANTITY

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

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

FILE NAME = 16R0459_02-DTLS-01 - IDOT-001 (5)	USER NAME =	DESIGNED =	REVISED = T. RAMMACHER 03-02-98
		CHECKED = \CAD\sheets\to16.dgn	REVISED = E. GOMEZ 08-28-00
	PLOT SCALE =	DRAWN =	REVISED = E. GOMEZ 08-28-00
	PLOT DATE = 12-11-2018	CHECKED = 09-18-94	REVISED = A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: SHEET NO. 27 OF 34 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	27
TC-16		CONTRACT NO. 61F51		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

ROUTE MARKERS

FOR U.S. ROUTES
M1-40-2424

FOR ILLINOIS ROUTES
M1-50-2424

R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

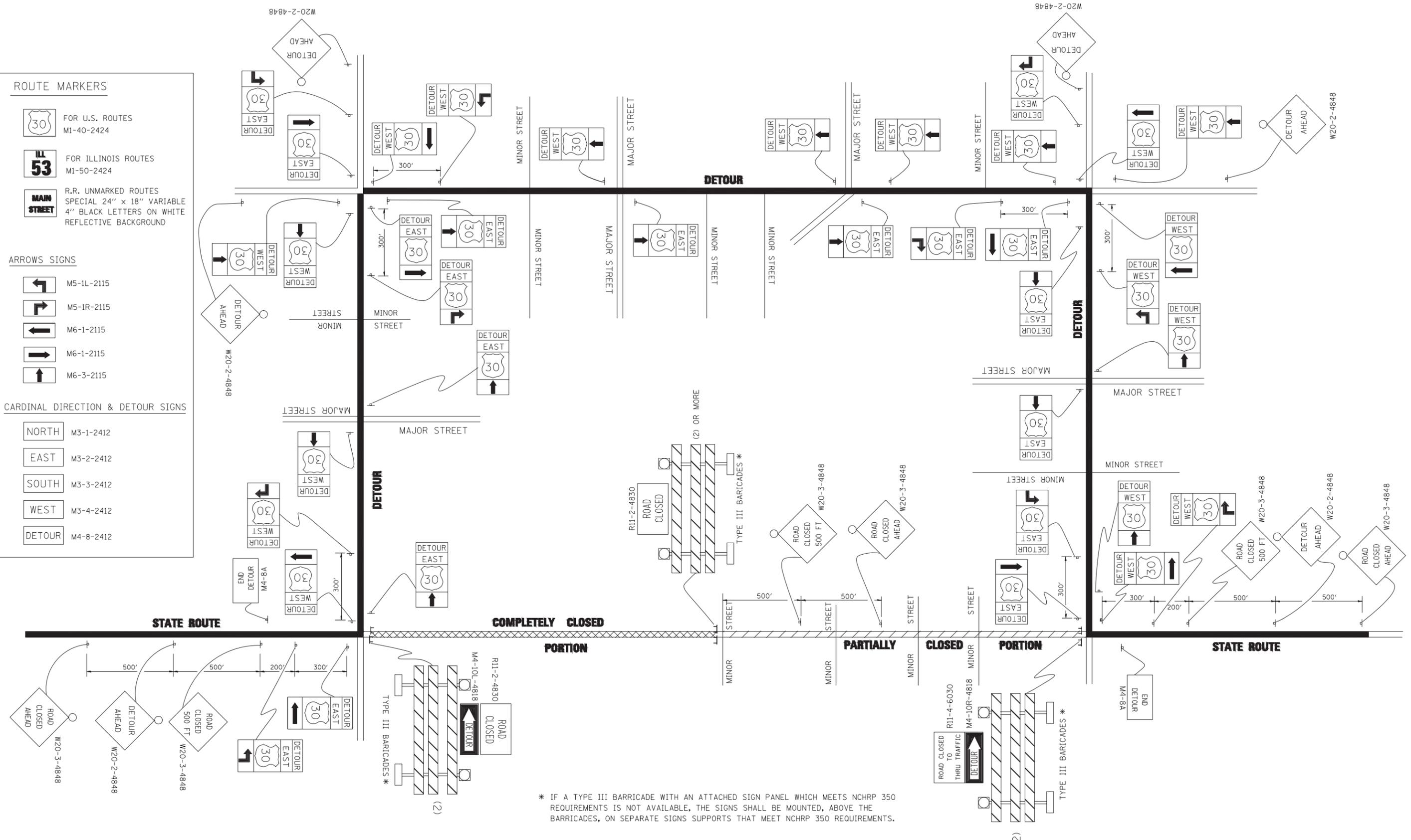
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME = 16R0459_02-DTLS-01 - IDOT-001 (6)	USER NAME =	DESIGNED --	REVISED --10-18-02
		CHECKED --	REVISED --R, BORO 09-14-09
	PLOT SCALE =	DRAWN --	REVISED --
	PLOT DATE = 12-11-2018	CHECKED --	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FOR CLOSING STATE HIGHWAYS		2626	17-00064-00-FP	DUPAGE	34	28
SCALE:		TC-21		CONTRACT NO. 61F51		
SHEET NO. 28 OF 34 SHEETS		STA.		TO STA.		

FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	---
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3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

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

FILE NAME = 16R0459_02-DTLS-01 - IDOT-001 (7)	USER NAME =	DESIGNED --	REVISED -- C. JUCIUS 02-15-07
		CHECKED --	REVISED --
	PLOT SCALE =	DRAWN --	REVISED --
	PLOT DATE = 12-11-2018	CHECKED --	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

SCALE: SHEET NO. 29 OF 34 SHEETS STA. TO STA.

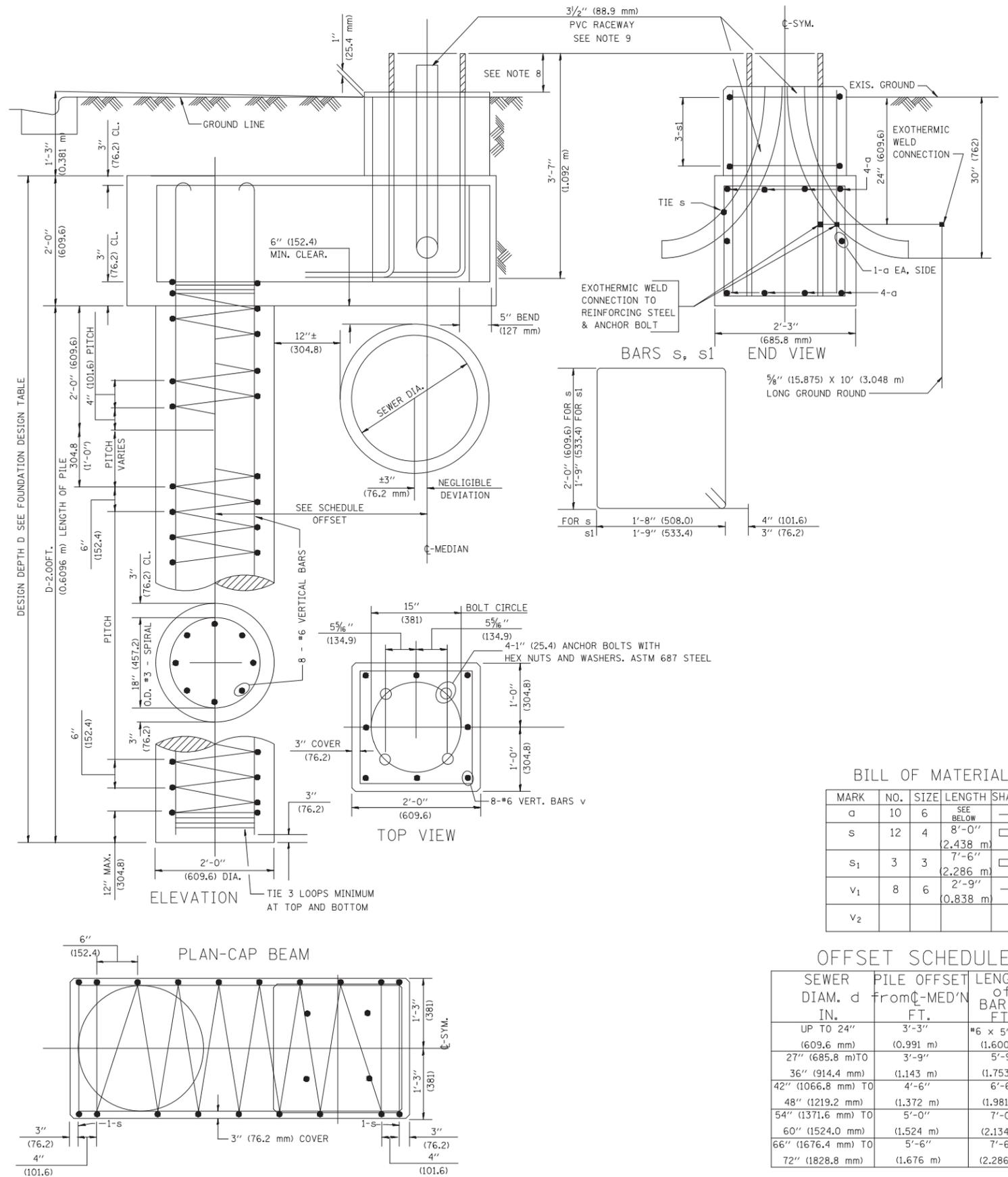
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	29
TC-26			CONTRACT NO. 61F51	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	---	

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	□
s ₁	3	3	7'-6" (2.286 m)	□
v ₁	8	6	2'-9" (0.838 m)	—
v ₂				

OFFSET SCHEDULE

SEWER DIAM. d	PILE OFFSET FROM C-MED'N	LENGTH OF BAR a
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO	3'-9" (1.143 m)	5'-9" (1.753 m)
36" (914.4 mm) TO	4'-6" (1.372 m)	6'-6" (1.981 m)
42" (1066.8 mm) TO	5'-0" (1.524 m)	7'-0" (2.134 m)
48" (1219.2 mm) TO	5'-6" (1.676 m)	7'-6" (2.286 m)
54" (1371.6 mm) TO	6'-0" (1.828 m)	8'-0" (2.438 m)
60" (1524.0 mm) TO	6'-6" (1.981 m)	8'-6" (2.591 m)
66" (1676.4 mm) TO	7'-0" (2.134 m)	9'-0" (2.743 m)
72" (1828.8 mm) TO	7'-6" (2.286 m)	9'-6" (2.900 m)

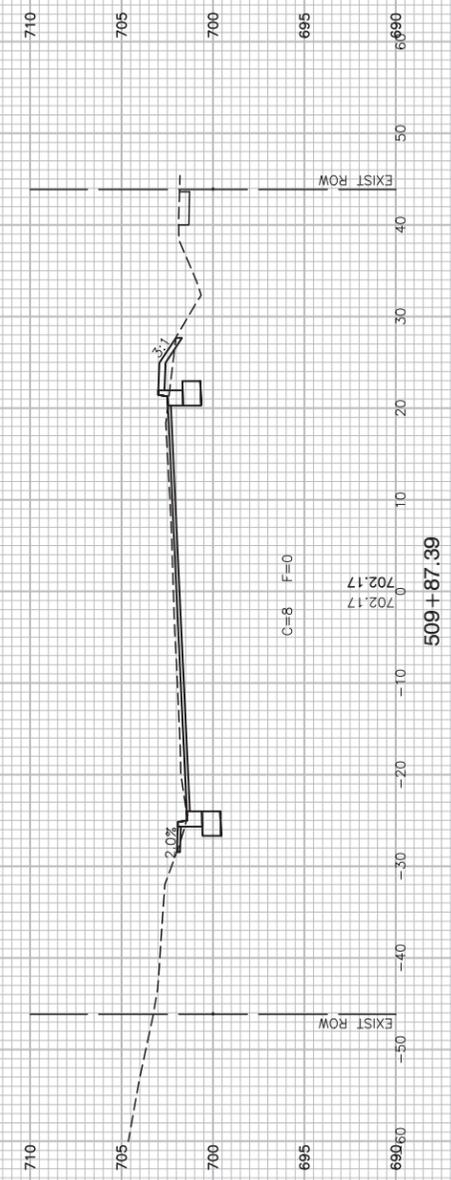
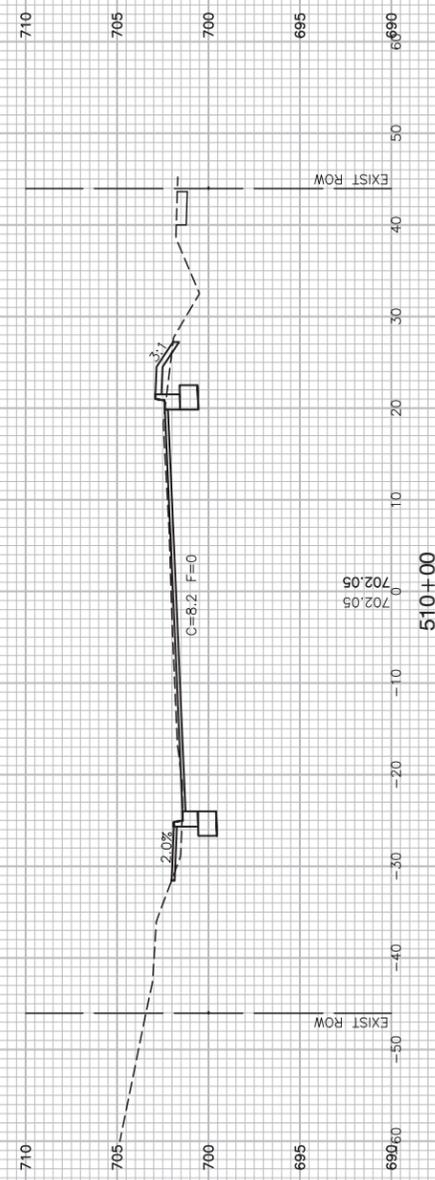
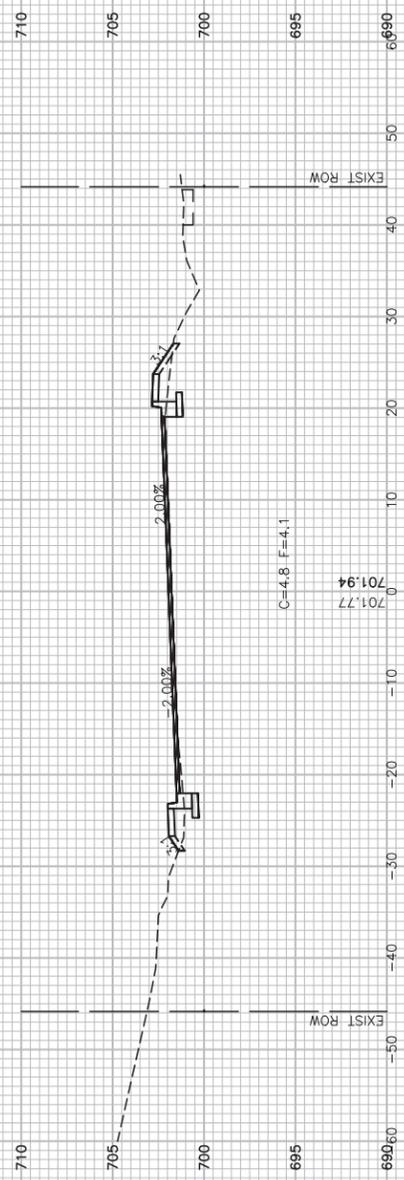
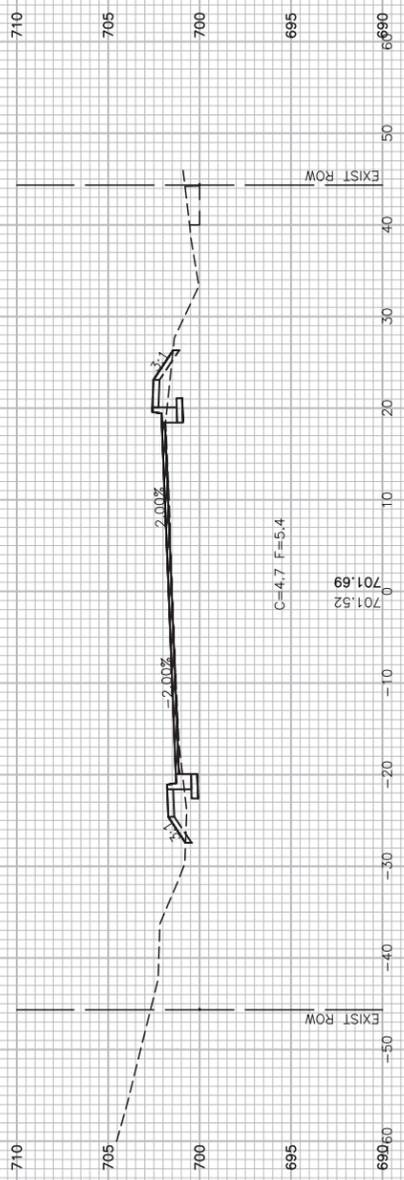
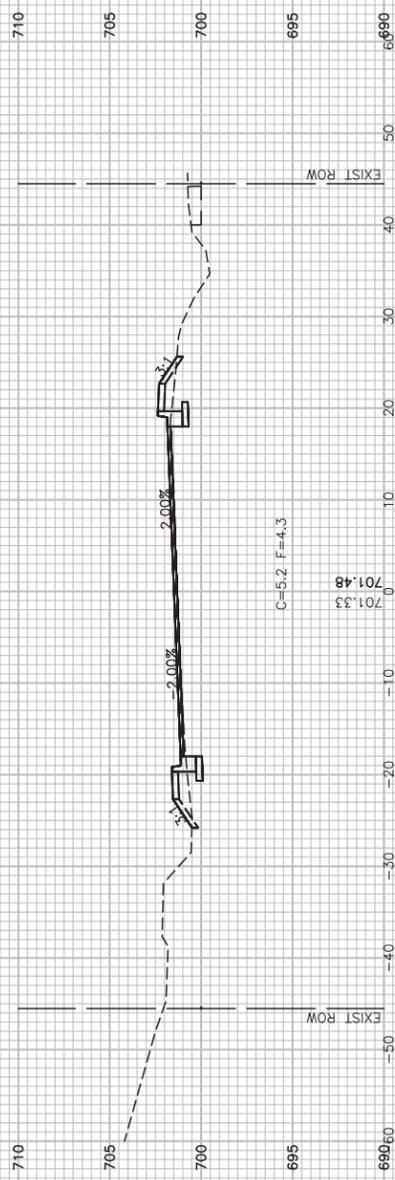
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	PLOT SCALE =	DRAWN —	REVISED —
	PLOT DATE = 12-11-2018	CHECKED —	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION OFFSET
48" (1219.2 mm) TO 47 1/2" (1193.8 mm) M.H.
15" (381 mm) BOLT CIRCLE

SCALE: SHEET NO. 30 OF 34 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	30
BE-310		CONTRACT NO. 61F51		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	---	



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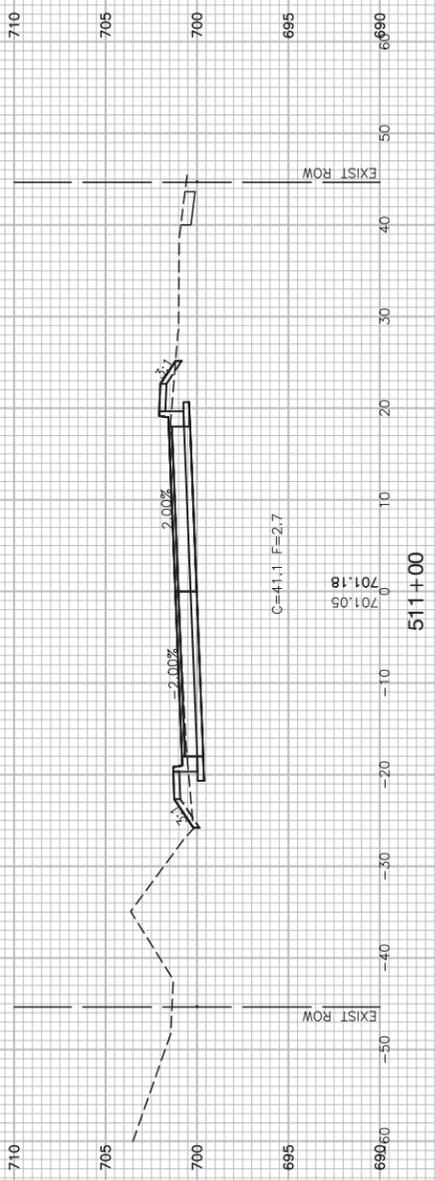
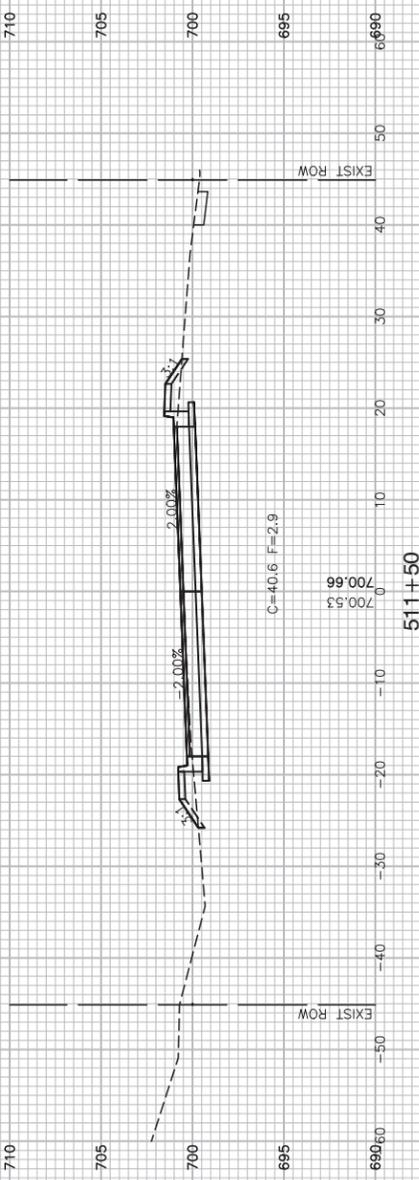
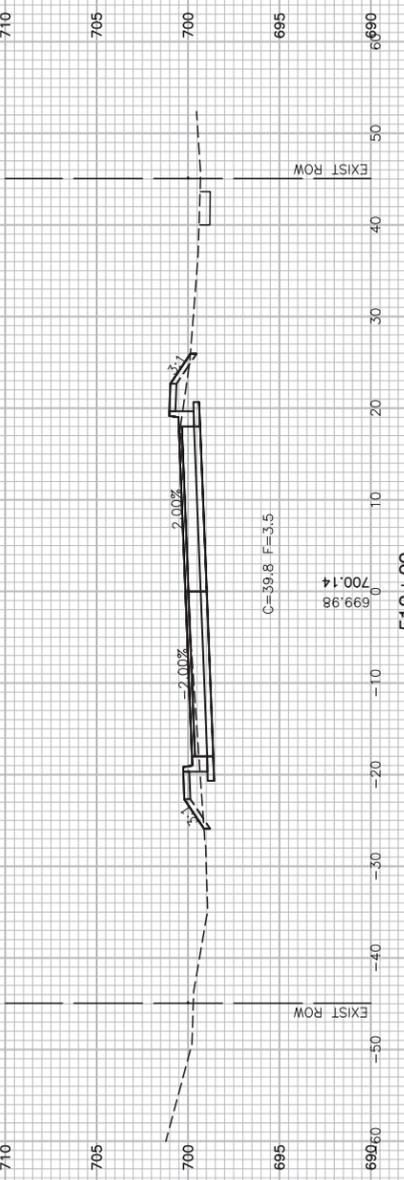
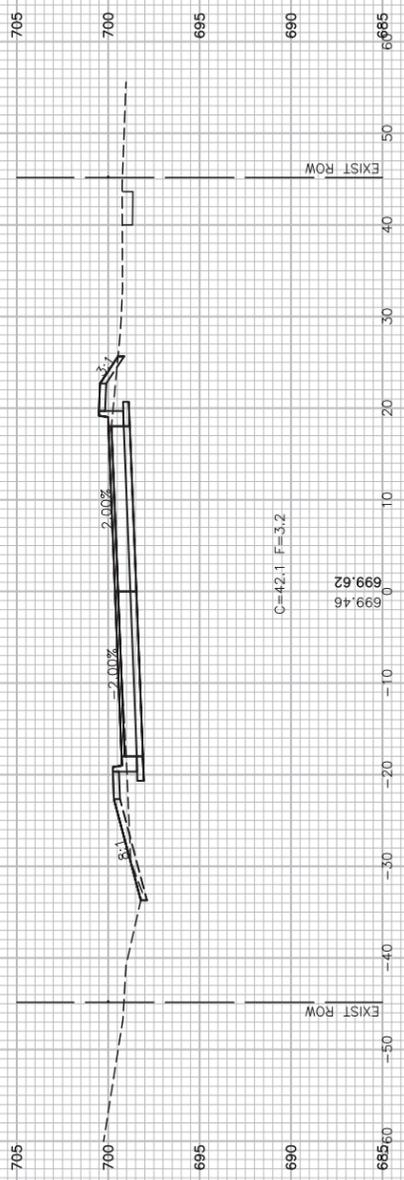
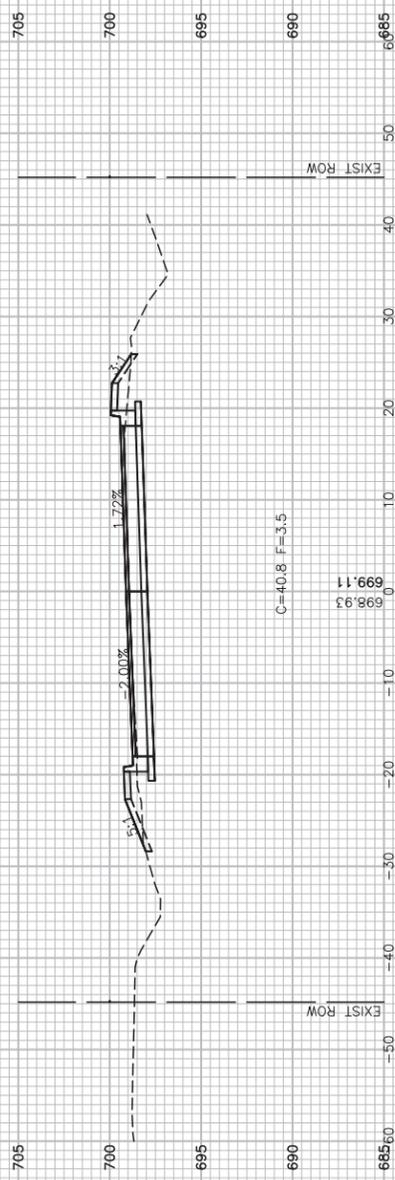
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	CHECKED — WJD	REVISED —
PLOT SCALE =	DRAWN — ACAD	REVISED —
PLOT DATE = 12-11-2018	CHECKED — ACAD	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET NO. 31 OF 34 SHEETS		STA.	TO STA.
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CROSS SECTIONS

F A U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	31
CONTRACT NO. 61F51				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	----	



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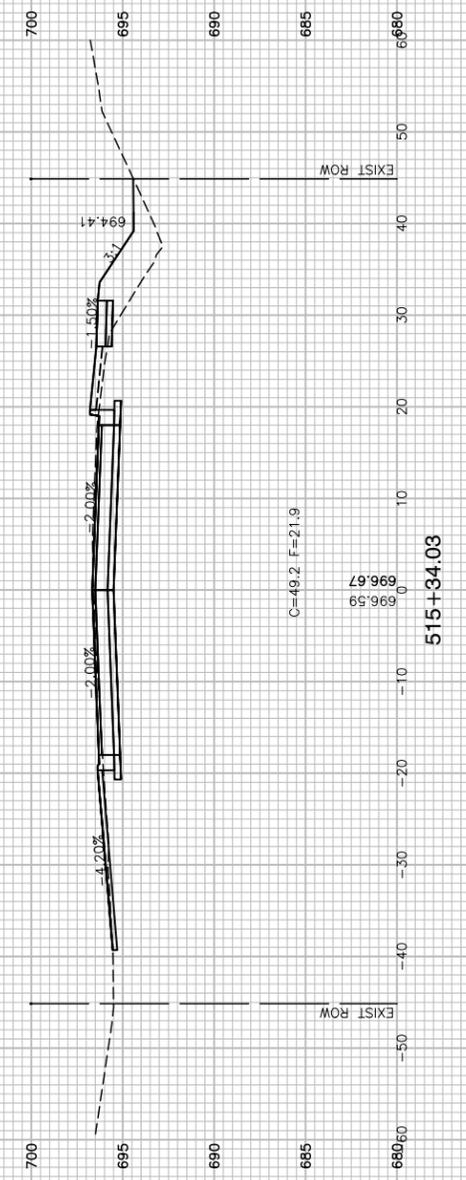
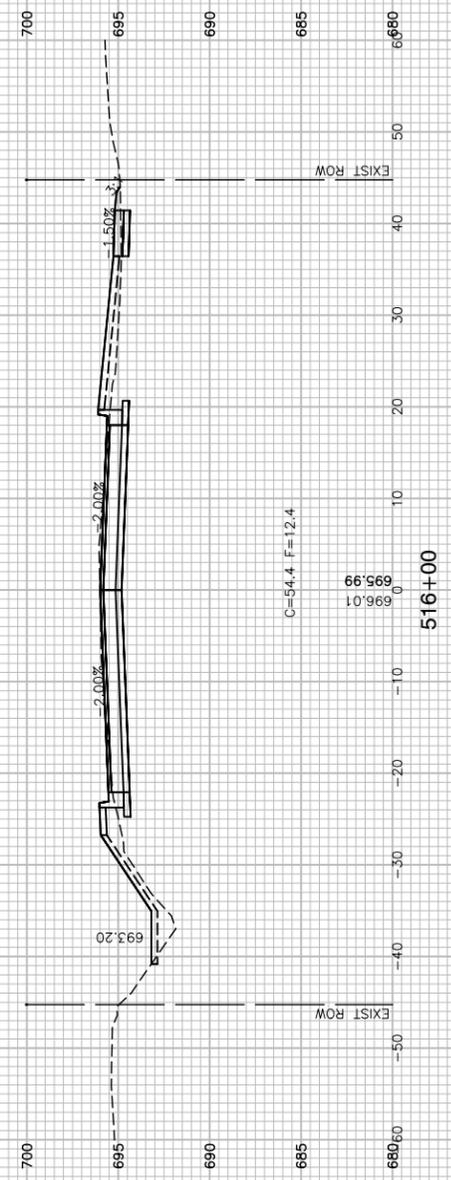
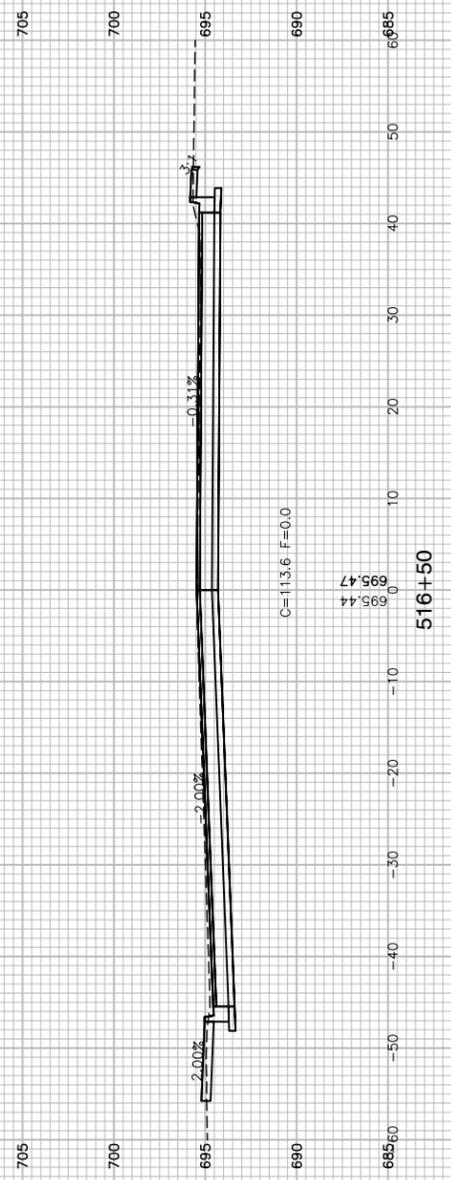
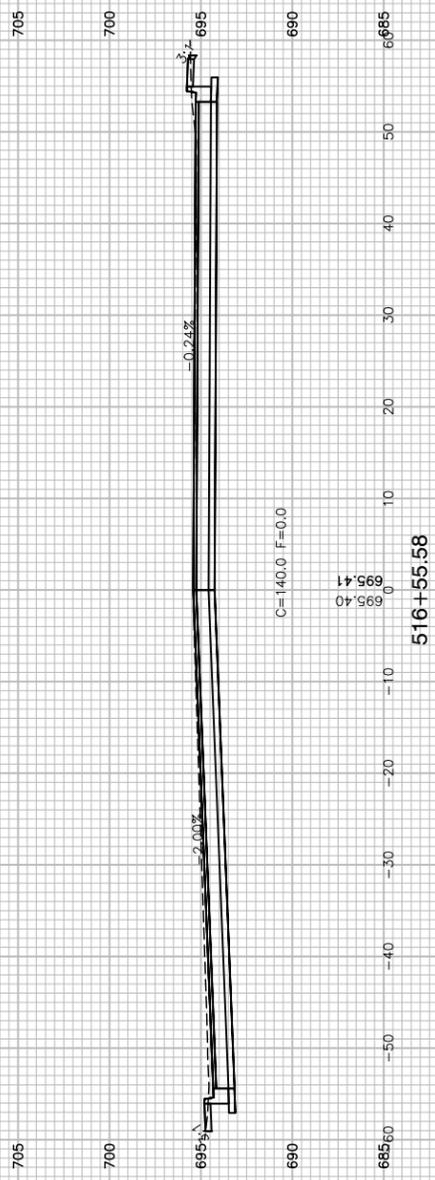
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PLOT DATE = 12-11-2018	CHECKED — ACAD	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET NO. 32 OF 34 SHEETS		STA. TO STA.	
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CROSS SECTIONS

F A U R T E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	32
CONTRACT NO. 61F51				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ----				



FILE NAME = 16R0459_02XSECT-01 - IDOT_X(4)

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	CHECKED -- WJD	REVISED --
PLOT SCALE =	DRAWN -- ACAD	REVISED --
PLOT DATE = 12-11-2018	CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS		
SCALE:	SHEET NO. 34 OF 34 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	17-00064-00-FP	DUPAGE	34	34
CONTRACT NO. 61F51				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ----				