

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 1603 (151st STREET) WEST AVE TO LAGRANGE RD INTERSECTION IMPROVEMENTS

SECTION 13-00071-00-WR PROJECT NO. 8TZ9(371) VILLAGE OF ORLAND PARK JOB NO. C-91-158-18 COOK COUNTY

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1603	13-00071-00-WR	COOK	162	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 61F86	

162+12=174

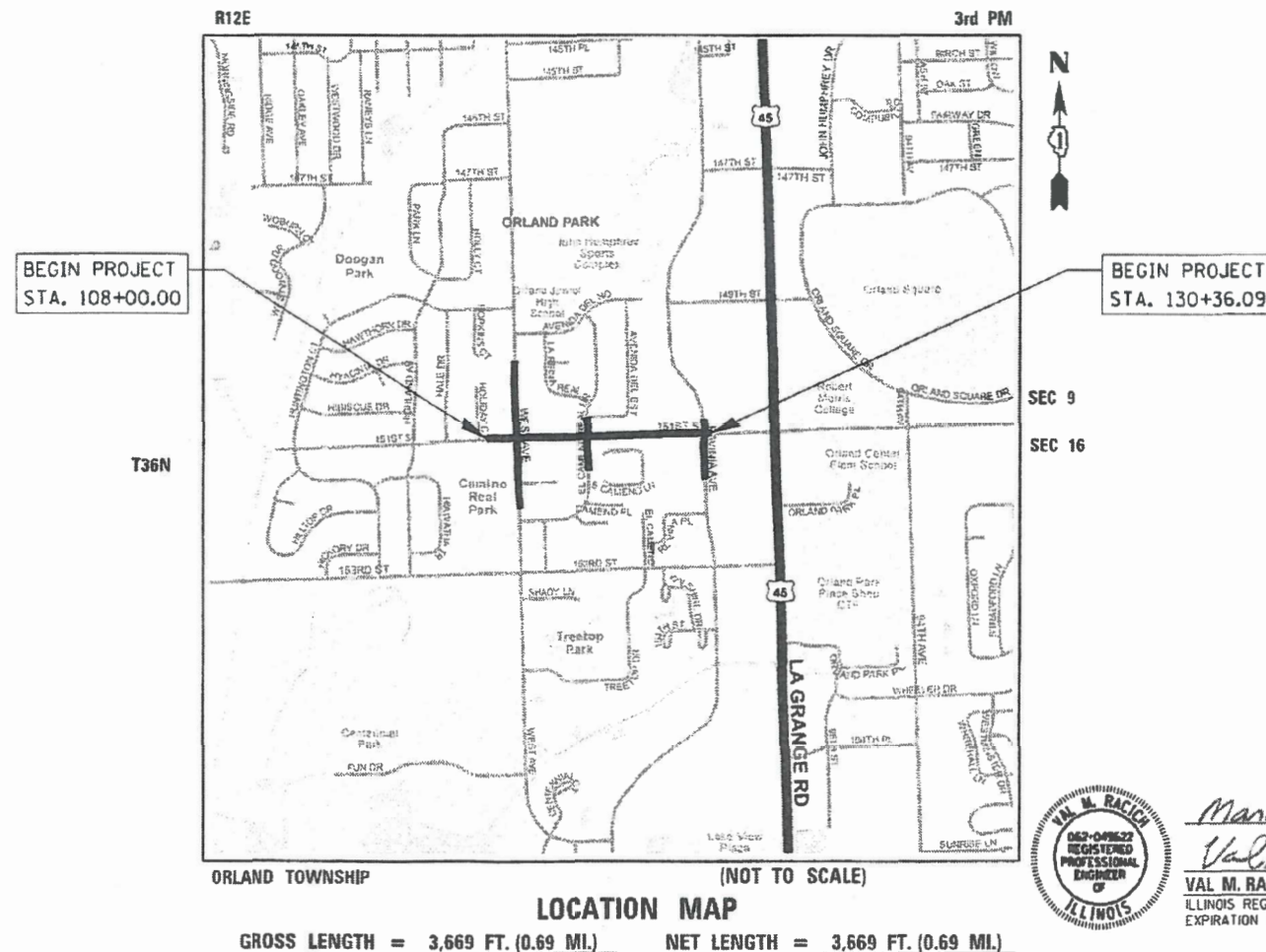
FOR INDEX OF SHEETS, SEE SHEET 2

FOR LIST OF STATE STANDARDS, SEE SHEET 2

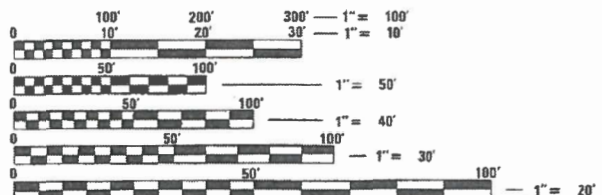
FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAUMBURG, ILLINOIS



LOCATION OF SECTION INDICATED THIS: - [black box] -



**TRAFFIC DATA:**  
 151ST STREET YEAR 2014 ADT = 9050  
 DESIGN DESIGNATION: MAJOR COLLECTOR  
 SPEED LIMIT = 30 MPH



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

J.U.L.I.E.  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1-800-892-0123 OR 811  
 TOWNSHIP 38 NORTH, RANGE 12 EAST, SECTIONS 29 & 30

CONTRACT NO. 61F86



March 5, 2019  
 Val M. Racich  
 ILLINOIS REGISTRATION NO. 062-049622  
 EXPIRATION DATE: 11/30/19



CHRISTOPHER B. BURKE ENGINEERING, LTD.  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

PROFESSIONAL DESIGN FIRM NO.: 184-001175  
 EXPIRATION DATE: APRIL 30, 2021

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	<i>3/7/18</i> <i>[Signature]</i> MAYOR
PASSED	<i>3/14/19</i> <i>[Signature]</i> DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS
RELEASED FOR BID BASED ON LIMITED REVIEW	<i>March 14, 2019</i> <i>[Signature]</i> REGIONAL ENGINEER

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GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "DETAILS" IN THE PLANS, THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS, LATEST EDITIONS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD), THE AMERICANS WITH DISABILITIES ACT OF 1990 ACCESSIBILITY GUIDELINES, THE "DRAFT" REHABILITATION ACT OF 1973 (SECTION 504), AND THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES.
- THE CONTRACTOR SHALL COMPLY WITH ALL RULES AND REGULATIONS OF OSHA DURING CONSTRUCTION OF IMPROVEMENTS AND RESTORATION. NEITHER THE STATE, VILLAGE NOR ITS APPOINTED ENGINEER SHALL BE RESPONSIBLE FOR THE CONTRACTOR'S COMPLIANCE WITH OSHA.
- THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES BEARING ON SAFETY OF PERSONS OR PROPERTY OR THEIR PROTECTION FROM DAMAGE, INJURY OR LOSS.
- ALL PEDESTRIAN ROUTES CONSTRUCTED WITHIN THE LIMITS OF THIS PROJECT SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.
- IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO VERIFY EXISTING DIMENSIONS OR CONDITIONS.
- THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THE WORK AREAS DESIGNATED ON THE PLANS. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL RELOCATE OR REMOVE AND REPLACE SIGNS THAT INTERFERE WITH CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. IF EXISTING SIGNS ARE DAMAGED DURING THE REMOVAL AND REPLACEMENT PROCESS, THE SIGN SHALL BE REPLACED IN ACCORDANCE WITH ARTICLE 107.25.
- AT THE END OF EACH DAY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT ALL STREETS ADJACENT TO THE PROJECT ARE FREE OF ALL CONSTRUCTION RELATED DEBRIS INCLUDING DIRT, STONE, NAILS, ETC. THE WORK SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF ORLAND PARK.
- THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT EXCEPT FOR PERIODS OF SHORT DURATION AS APPROVED BY THE ENGINEER.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOURS NOTIFICATION REQUIRED)
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE RESIDENT ENGINEER SHALL CONTACT CORY JUCIUS, ARTERIAL TRAFFIC FIELD ENGINEER AT [CORY.JUCIUS@ILLINOIS.GOV](mailto:CORY.JUCIUS@ILLINOIS.GOV) A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES, SUCH AS: WATER MAIN, SEWERS, GAS LINES, ETC. AS SHOWN ON THE PLANS, HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ONLY REPRESENT THE OPINION OF THE CITY OF ROLLING MEADOW AS TO THEIR LOCATIONS. THE PROVIDED LOCATIONS OF EXISTING UNDERGROUND UTILITIES IS GIVEN FOR THE CONVENIENCE OF THE BIDDER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48-HOUR NOTIFICATION IS REQUIRED).

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTOR'S EXPENSE.
- DRAINAGE: DURING THE CONSTRUCTION OPERATIONS WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS CAUSED BY THE CONSTRUCTION.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
- THE CONTRACTOR SHALL INSTALL/MAINTAIN/REMOVE INLET FILTERS IN ALL OPEN LID DRAINAGE STRUCTURES IN THE PAVEMENT THAT ARE WITHIN THE WORK ZONE OR ACCEPT STORMWATER THAT FLOWS OUT OF THE WORK ZONE, AND AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- AREAS OF PARKWAY RESTORATION ARE SHOWN ON THE PLANS. AREAS DISTURBED BY THE CONTRACTOR BEYOND THOSE SHOWN IN THE PLANS SHALL BE REPAIRED AT CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, VILLAGE OF ORLAND PARK DEPT. OF PUBLIC WORKS @ 708-403-6350, VILLAGE OF ORLAND PARK POLICE DEPT. @ 708-349-4111, ORLAND FIRE PROTECTION DISTRICT @ 708-349-0074, ORLAND SCHOOL DISTRICT 135 @ 708-364-3300, AND IDOT.
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
- AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.
- PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED A MINIMUM OF 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
- BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ARTICLE 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.
- THE CONTRACTOR SHALL SCHEDULE ALL REMOVALS AND REPLACEMENTS PROPOSED WITHIN THE TEMPORARY CONSTRUCTION EASEMENTS TO DISTURB EACH PROPERTY FOR THE MINIMUM PRACTICABLE TIME. ALL STOCKPILING MUST OCCUR WITHIN THE STREET RIGHTS OF WAY AND NO TEMPORARY CONSTRUCTION EASEMENTS SHALL BE USED FOR THIS PURPOSE UNLESS OTHERWISE APPROVED BY THE ENGINEER.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO  
SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION NOTES

- CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
- DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS AND IDOT HIGHWAY STANDARDS
3-10	SUMMARY OF QUANTITIES
11-22	EXISTING AND PROPOSED TYPICAL SECTIONS
23-24	EARTHWORK SCHEDULE
25-28	ALIGNMENT, TIES AND BENCHMARKS
29-33	EXISTING CONDITIONS AND REMOVAL PLAN
34-42	ROADWAY PLAN AND PROFILE
43	MAINTENANCE OF TRAFFIC GENERAL NOTES
44-45	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
46	MAINTENANCE OF TRAFFIC PRE-STAGE CONSTRUCTION DETAIL
47-48	MAINTENANCE OF TRAFFIC STAGE 1A
49-53	MAINTENANCE OF TRAFFIC STAGE I
54-58	MAINTENANCE OF TRAFFIC STAGE II
59-60	MAINTENANCE OF TRAFFIC STAGE III
61-62	STAGE I & II DETOUR PLANS
63-67	EROSION AND SEDIMENT CONTROL PLAN
68-76	DRAINAGE PLAN AND PROFILE
77-80	PAVEMENT SPOT GRADES
81-97	ADA DETAILS
98-102	PAVEMENT MARKING PLAN
103	SIGNAGE PLAN
104-108	LANDSCAPING PLAN
109-116	TRAFFIC SIGNAL DETAILS
117-127	TRAFFIC SIGNAL PLANS
128	LIGHTING GENERAL NOTES
129-132	LIGHTING PLAN
133-139	LIGHTING DETAILS
140-150	STANDARD DETAILS
151-162	CROSS SECTIONS

IDOT HIGHWAY STANDARDS

000001-07	Standard Symbols, Abbreviations and Patterns
280001-07	Temporary Erosion Control Systems
424001-11	Perpendicular Curb Ramps for Sidewalks
424011-04	Corner Parallel Curb Ramps for Sidewalks
424021-05	Depressed Corner for Sidewalks
424026-03	Entrance / Alley Pedestrian Crossings
424031-02	Median Pedestrian Crossings
442201-03	Class C and D Patches
601001-05	Pipe Underdrains
701006-05	Off-Rd Operations, 2L, 2W, 15' (4.5 m) To 24" (600 mm) From Pavement Edge
701101-05	Off-Rd Operations, Multilane, Less Than 15' (4.5 m) From Pavement Edge
701301-04	Lane Closure, 2L, 2W, Short Time Operations
701311-03	Lane Closure 2L, 2W Moving Operations-Day Only
701427-05	Lane Closure, Multilane, Intermittent or Moving Oper., for Speeds < 40 mph
701501-06	Urban Lane Closure, 2L, 2W, Undivided
701502-09	Urban Lane Closure, 2L, 2W, with Bidirectional Left Turn Lane
701611-01	Urban Half Road Closure, Multilane, 2W with Mountable Median
701606-10	Urban Single Lane Closure, Multilane, 2W with Mountable Median
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 Erection Details
780001-05	Typical Pavement Markings
805001-01	Electrical Service Installation Details
814001-03	Handholes
814006-02	Double Handholes
857001-01	Standard Phase Designation Diagrams and Phase Sequences
862001-01	Uninterruptable Power Supply (UPS)
873001-02	Traffic Signal Grounding & Bonding
877001-08	Steel Mast Arm Assembly and Pole 16' Through 55'
878001-10	Concrete Foundation Details
880001-01	Span Wire Mounted Signals and Flashing Beacon Installation
880006-01	Traffic Signal Mounting Details
886001-01	Detector Loop Installations
886006-01	Typical Layouts For Detection Loops

DISTRICT DETAILS

BD-1	Driveway Details - Distance Between R.O.W. and Face of Curb & Edge of Shoulder > = 15' (4.5m)
BD-2	Driveway Details - Distance Between R.O.W. and Face of Curb < 15' (4.5m)
BD-8	Frames and Lids Adjustment With Milling
BD-22	Pavement for HMA Surfaced Pavement
BD-32	Butt Joint And HMA Taper Details
TC-10	Traffic Control And Protection for Side Roads, Intersections and Driveways
TC-11	Raised Reflective Pavement Markers (Snow-Plow Resistant)
TC-13	District 1 Typical Pavement Markings
TC-14	Traffic Control and Protection at Turn Bays (To Remain Open To Traffic)
TC-16	Short Term Pavement Marking Letters and Symbols
TC-22	Arterial Road Information Sign
TC-26	Driveway Entrance Signaling
TS-05	Standard Traffic Signal Design Details

FILE NAME = N:\ORLANDPARK\1502722_ph2\Consultants\1007\Cadd_Deliverable\0161F86-sht-gen-notes.dgn	USER NAME = vracich	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES, INDEX OF SHEET AND IDOT HIGHWAY STANDARDS</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
Default	PLOT SCALE = 28'	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	1603	13-00071-00-WR	COOK	162	2
	PLOT DATE = 11/5/2019	CHECKED -	REVISED -		<b>CONTRACT NO. 61F86</b>											
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT											

SUMMARY OF QUANTITIES				0004	0043
CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	215		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	60		
20101000	TEMPORARY FENCE	FOOT	525		
S 20101200	TREE ROOT PRUNING	EACH	5		
S 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	5		
S 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	5		
20101700	SUPPLEMENTAL WATERING	UNIT	5		
20200100	EARTH EXCAVATION	CUYD	7605		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CUYD	1230		
* 20800150	TRENCH BACKFILL	CUYD	2600	400	
21001000	GEO TECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1765		
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CUYD	900		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1400		
21101685	TOPSOIL FURNISH AND PLACE, 24"	SQ YD	210		
S 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	98		
S 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	98		
*	INDICATES SPECIAL PROVISION				
S	INDICATES SPECIALTY ITEM				

SUMMARY OF QUANTITIES				0004	0043
CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY	
S 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	98		
S 25200110	SODDING, SALT TOLERANT	SQ YD	7900		
S 25200200	SUPPLEMENTAL WATERING	UNIT	120		
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CUYD	10		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	250		
28000305	TEMPORARY DITCH CHECKS	FOOT	130		
28000400	PERIMETER EROSION BARRIER	FOOT	3000		
28000510	INLET FILTERS	EACH	60		
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	7500		
* 30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	195		
* 30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	18460		
31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	2525		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	152		
40604062	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70	TON	51		
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	1335		
40701881	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	SQ YD	16045		
*	INDICATES SPECIAL PROVISION				
S	INDICATES SPECIALTY ITEM				

SUMMARY OF QUANTITIES				0004	0043
CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY	QUANTITY
42001300	PROTECTIVE COAT	SQ YD	6500		
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	656		
* 42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	22705		
* 42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	600		
* 42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	2325		
42400600	DETECTABLE WARNINGS	SQ FT	600		
44000100	PAVEMENT REMOVAL	SQ YD	14350		
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	456		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1194		
44000300	CURB REMOVAL	FOOT	62		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4262		
44000600	SIDEWALK REMOVAL	SQ FT	20281		
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	10		
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	20		
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	25		
50105220	PIPE CULVERT REMOVAL	FOOT	456		
*	INDICATES SPECIAL PROVISION				
S	INDICATES SPECIALTY ITEM				

SUMMARY OF QUANTITIES				0004	0043
CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY	QUANTITY
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	919		
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	8		
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	102		
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	624		
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	69		
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	322		
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	721		
55100300	STORM SEWER REMOVAL 8"	FOOT	102		
55100500	STORM SEWER REMOVAL 12"	FOOT	546		
55100700	STORM SEWER REMOVAL 15"	FOOT	204		
55100900	STORM SEWER REMOVAL 18"	FOOT	387		
55101200	STORM SEWER REMOVAL 24"	FOOT	57		
55101400	STORM SEWER REMOVAL 30"	FOOT	21		
* S 56103000	DUCTILE IRON WATER MAIN 6"	FOOT			75
* S 56103100	DUCTILE IRON WATER MAIN 8"	FOOT			346
* S 56103300	DUCTILE IRON WATER MAIN 12"	FOOT			3000
*	INDICATES SPECIAL PROVISION				
S	INDICATES SPECIALTY ITEM				



SUMMARY OF QUANTITIES				0004	0043
	CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY
* S	56105000	WATER VALVES 8"	EACH		8
* S	56105200	WATER VALVES 12"	EACH		6
* S	56106600	ADJUSTING WATER MAIN 12"	FOOT		60
* S	56200500	WATER SERVICE LINE 1 1/2"	FOOT		200
* S	56200700	WATER SERVICE LINE 2"	FOOT		200
* S	56201600	CORPORATION STOPS 1 1/2"	EACH		6
* S	56201800	CORPORATION STOPS 2"	EACH		6
* S	56400500	FIRE HYDRANTS TO BE REMOVED	EACH		6
* S	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH		9
* S	56500800	DOMESTIC WATER SERVICE BOXES	EACH		12
	60108106	PIPE UNDERDRAINS, TYPE 1, 6"	FOOT	150	
	60200105	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	
	60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2	
	60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	11	
	60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	2	
	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	3	
* S		INDICATES SPECIAL PROVISION			
S		INDICATES SPECIALTY ITEM			

SUMMARY OF QUANTITIES				0004	0043
	CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY
	60208230	CATCH BASINS, TYPE C, TYPE 23 FRAME AND GRATE	EACH	22	
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	10	
	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	11	
	60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	2	
	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2	
	60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	16	
S	60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH		3
S	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH		6
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	4	
	60255500	MANHOLES TO BE ADJUSTED	EACH	3	
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	10	
	60500040	REMOVING MANHOLES	EACH	8	
	60500050	REMOVING CATCH BASINS	EACH	15	
	60500060	REMOVING INLETS	EACH	16	
	60600605	CONCRETE CURB, TYPE B	FOOT	900	
* S		INDICATES SPECIAL PROVISION			
S		INDICATES SPECIALTY ITEM			

SUMMARY OF QUANTITIES				0004	0043
CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY	QUANTITY
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	8170		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	150		
60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	580		
S 66900200	NON-SPECIAL WASTE DISPOSAL	CUYD	430		
S 66900530	SOIL DISPOSAL ANALYSIS	EACH	2		
S 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1		
S 66901006	REGULATED SUBSTANCE MONITORING	CAL DA	2		
S 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	ISUM	1		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12		
67100100	MOBILIZATION	L SUM	1		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	465		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1500		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	500		
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	842		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	23742		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	558		
*	INDICATES SPECIAL PROVISION				
S	INDICATES SPECIALTY ITEM				

SUMMARY OF QUANTITIES				0004	0043
CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY	QUANTITY
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	150		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1349		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	290		
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	100		
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	5900		
70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	300		
70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	600		
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	100		
S 72000100	SIGN PANEL - TYPE 1	SQ FT	286		
S 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	9		
S 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	41		
S 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1		
S 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	200		
S 72900100	METAL POST - TYPE A	FOOT	200		
S 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	20		
S 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	720		
*	INDICATES SPECIAL PROVISION				
S	INDICATES SPECIALTY ITEM				

SUMMARY OF QUANTITIES				0004	0043
	CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY
S	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9950	
S	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1825	
S	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	135	
S	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	832	
S	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	185	
S	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	40	
S	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	
S	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	
S	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	855	
S	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	218	
S	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	437	
S	81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	3065	
S	81400100	HANDHOLE	EACH	4	
S	81400200	HEAVY-DUTY HANDHOLE	EACH	4	
S	81400300	DOUBLE HANDHOLE	EACH	2	
S	81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	5	
*		INDICATES SPECIAL PROVISION			
S		INDICATES SPECIALTY ITEM			

SUMMARY OF QUANTITIES				0004	0043
	CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY
S	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	9305	
S	81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	6620	
S	81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	105	
* S	82110005	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E	EACH	9	
* S	82110014	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	10	
S	82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1	
S	83005500	LIGHT POLE, ALUMINUM, 30 FT. M.H., 12 FT. MAST ARM	EACH	10	
S	83008500	LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM	EACH	9	
S	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	170	
S	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	9	
S	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	5	
S	84200804	REMOVAL OF POLE FOUNDATION	EACH	6	
S	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1	
S	84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	2	
S	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1320	
S	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1682	
*		INDICATES SPECIAL PROVISION			
S		INDICATES SPECIALTY ITEM			

SUMMARY OF QUANTITIES				0004	0043
	CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY
S	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1225	
S	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2308	
S	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2046	
S	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	92	
S	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1062	
S	87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1	
S	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	5	
S	87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1	
S	87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1	
S	87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1	
S	87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1	
S	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	28	
S	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	
S	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48	
S	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6	
S	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6	
*		INDICATES SPECIAL PROVISION			
S		INDICATES SPECIALTY ITEM			

SUMMARY OF QUANTITIES				0004	0043
	CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY
S	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6	
S	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	
S	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12	
S	88500100	INDUCTIVE LOOP DETECTOR	EACH	10	
S	88600100	DETECTOR LOOP, TYPE I	FOOT	1010	
S	88800100	PEDESTRIAN PUSH-BUTTON	EACH	8	
S	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	
S	89502380	REMOVE EXISTING HANDHOLE	EACH	15	
S	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	12	
S	A2000118	TREE, ACER X FREEMANII (AUTUMN BLAZE FREEMAN MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	6	
S	A2004621	TREE, GLEDITSIA TRIACANTHOS VAR. INERMIS IMPERIAL (IMPERIAL THORNLESS HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED	EACH	5	
S	A2005424	TREE, LIRIODENDRON TULIPIFERA (TULIP TREE), 3" CALIPER, BALLED AND BURLAPPED	EACH	5	
S	A2007624	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 3" CALIPER, BALLED AND BURLAPPED	EACH	5	
S	A2008819	TREE, ULMUS AMERICANA VALLEY FORGE (VALLEY FORGE AMERICAN ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6	
S	B2001624	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	9	
S	B2002724	TREE, MALUS ADIRONDACK (ADIRONDACK CRAB APPLE), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	8	
*		INDICATES SPECIAL PROVISION			
S		INDICATES SPECIALTY ITEM			



SUMMARY OF QUANTITIES				0004	0043
	CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY
§	B2004124	TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	7	
§	B2006124	TREE, SYRINGA PEKINENSIS MORTON (CHINA SNOW PEKING LILAC), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	8	
§	C2003600	SHRUB, HYDRANGEA PANICULATA LITTLE QUICK FIRE (LITTLE QUICK FIRE HYDRANGEA), CONTAINER GROWN, 5 GALLON	EACH	23	
§	C2015300	SHRUB, JUNIPERUS CHINENSIS KALLAY'S COMPACT (KALLAY'S COMPACT JUNIOR), CONTAINER GROWN, 3-GALLON	EACH	10	
§	C2C01836	SHRUB, CORNUS SERICEA ISANTI (ISANTIREDOSIER DOGWOOD), 3' CONTAINER	EACH	24	
§	D2C00724	EVERGREEN, JUNIPERUS CHINENSIS VAR. SARGENTII VIVIDIS (GREEN SARGENT JUNIPER), 2' WIDTH, CONTAINER	EACH	28	
§	D2C00918	EVERGREEN, JUNIPERUS HORIZONTALIS HUGHES (HUGHES CREEPING JUNIPER), 18" WIDTH, CONTAINER	EACH	12	
§	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	2	
§	K1005481	SHREDDED BARK MULCH 3"	SQ YD	75	
*	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	5	
*	X0324058	OUTLET SPECIAL	EACH	1	
*	§	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	296
*	§	X0325839	SIGNAL TIMING	L SUM	1
*	X0326806	WASHOUT BASIN	L SUM	1	
*	§	X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
*	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	600	
*		INDICATES SPECIAL PROVISION			
§		INDICATES SPECIALTY ITEM			

SUMMARY OF QUANTITIES				0004	0043
	CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY
*	§	X1400107	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1
*	§	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
*		X1700010	STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SQ YD	335
*		X1700011	STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH	SQ FT	5750
*		X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	4
*		X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	12
*		X4023000	TEMPORARY ACCESS (ROAD)	EACH	15
*		X4024100	TEMPORARY ACCESS (WINTERIZE)	SQ YD	300
*	§	X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	4918
*	§	X5630006	CUT AND CAP EXISTING 6" WATER MAIN	EACH	3
*	§	X5630008	CUT AND CAP EXISTING 8" WATER MAIN	EACH	1
*	§	X5630010	CUT AND CAP EXISTING 10" WATER MAIN	EACH	2
*	§	X5630012	CUT AND CAP EXISTING 12" WATER MAIN	EACH	7
*		X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	16
*	§	X6026622	VALVE VAULTS TO BE REMOVED	EACH	10
*	§	X6026623	VALVE BOX	EACH	4
*			INDICATES SPECIAL PROVISION		
§			INDICATES SPECIALTY ITEM		

SUMMARY OF QUANTITIES				0004	0043
	CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY
*	S X6026632	VALVE BOXES TO BE REMOVED	EACH		6
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	
*	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	3017	
*	S X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	45	
*	S X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1	
*	S X8900100	TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)	EACH	1	
*	S X8950115	RELOCATE LIGHT DETECTOR	EACH	2	
*	S X8950120	RELOCATE LIGHT DETECTOR AMPLIFIER	EACH	1	
*	XX008195	EXPLORATION EXCAVATION (UTILITY)	FOOT	100	
*	S XX008608	CABLE, SPECIAL	FOOT	766	
*	Z0004522	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 6"	SQ YD	181	
*	Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	955	
*	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	480	
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	
*	Z0017500	DRAINAGE & UTILITY STRUCTURE ADJUSTMENT (SPECIAL)	EACH	1	
*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	155	
*		INDICATES SPECIAL PROVISION			
S		INDICATES SPECIALTY ITEM			

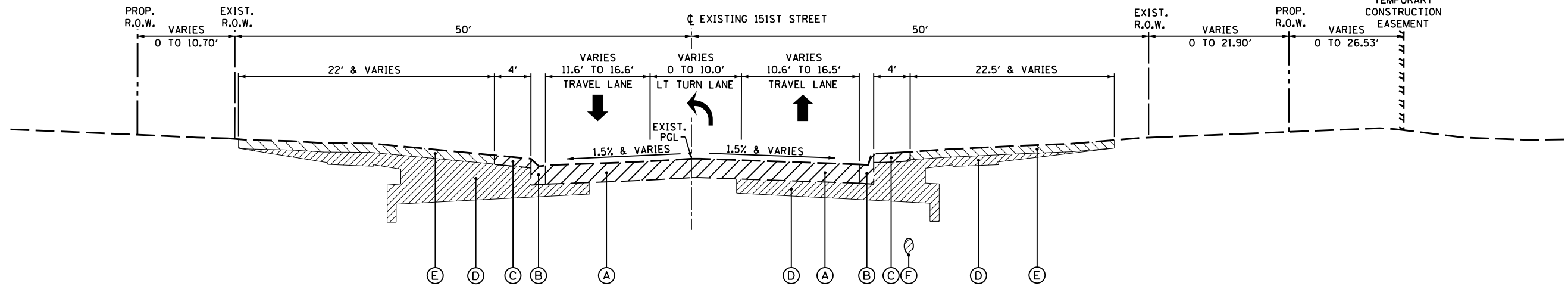
SUMMARY OF QUANTITIES				0004	00 43
	CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY
*	S Z0033024	MAINTAIN EXISTING LIGHTING SYSTEM	L SUM	1	
*	S Z0044800	PRESSURE CONNECTION 8" X 8"	EACH		1
*	Z0056646	STORMSEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 10"	FOOT	25	
*	Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	228	
*	Z0056654	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 24"	FOOT	217	
*	S Z0062456	TEMPORARY PAVEMENT	SQ YD	2600	
*	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	
*	# Z0076600	TRAINEES	HOUR	500	
*	# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	
*	S <del>XX007332</del>	DUCTILE IRON CASING PIPE, 24"	FOOT		63
*		INDICATES SPECIAL PROVISION			
S		INDICATES SPECIALTY ITEM			

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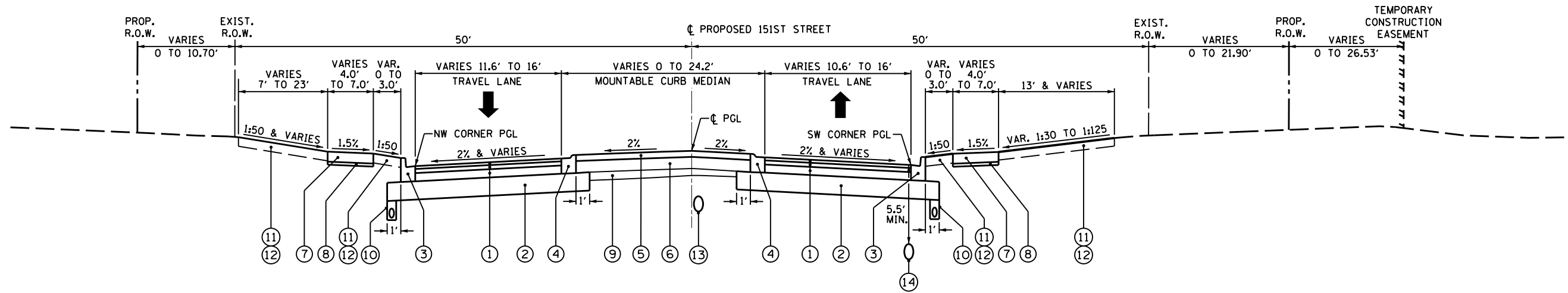
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CHRISTOPHER B. BURKE ENGINEERING LTD.  
 1000 N. WILSON AVENUE  
 SUITE 600  
 CHICAGO, ILLINOIS 60611  
 (847) 823-9500

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**EXISTING TYPICAL SECTION NO. 1**  
 STA. 108+00 TO STA. 109+60.55, 151st STREET



**PROPOSED TYPICAL SECTION NO. 1**  
 STA. 108+00 TO STA. 109+60.55, 151st STREET

**LEGEND**

REMOVAL ITEMS

- (A) EXIST. BIT. PAVEMENT (SEE THICKNESS TABLE BELOW) PAVEMENT REMOVAL (44000100)
- (B) EXISTING CONCRETE CURB AND GUTTER COMBINATION CURB AND GUTTER REMOVAL (44000500)
- (C) EXISTING SIDEWALK SIDEWALK REMOVAL (SEE PLANS FOR LIMITS) (44000600)
- (D) EARTH EXCAVATION (20200100)
- (E) EXISTING TOPSOIL AND GROUND COVER TOPSOIL EXCAVATION AND PLACEMENT (21101505) (6" NOMINAL)
- (F) EXISTING WATER MAINS AND STORM SEWERS (SEE PLANS FOR LOCATIONS)
- (G) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200) AS DIRECTED BY THE ENGINEER

EXISTING PAVEMENT THICKNESSES FROM PAVEMENT CORES

PAVEMENT CORE STATION	ASPHALT THICKNESS
151st ST. STA. 110+95	12"
151st ST. STA. 116+20	10-1/4"
151st ST. STA. 122+00	6-1/2"
151st ST. STA. 125+95	9-1/4"

- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10" (40701881)
- (2) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12 (60608300)
- (5) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH (X1700011)
- (6) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (8) SUBBASE GRANULAR MATERIAL, TYPE B 2" (31101180)
- (9) EMBANKMENT (INCLUDED IN THE COST OF EARTH EXCAVATION)
- (10) PIPE UNDERDRAINS, 4" (SEE PLANS FOR LIMITS) (60107600)
- (11) TOPSOIL EXCAVATION AND PLACEMENT (21101505) (TYP. 4" NOMINAL; 24" IN ROUNDABOUT CENTER)
- (12) SODDING, SALT TOLERANT (25200110)
- (13) STORM SEWER (SIZE VARIES - SEE DRAINAGE PLANS)
- (14) 12" DUCTILE IRON WATER MAIN (SEE UTILITY PLANS)
- (15) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED) (X1700010)
- (16) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

	AIR VOIDS @Ndes
<b>PAVEMENT RECONSTRUCTION</b> HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 1-3/4" (IL-9.5mm) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 8-1/4"	4% @ 70 GYR 4% @ 70 GYR
<b>PAVEMENT RESURFACING</b> HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 2" (IL-9.5mm)	4% @ 70 GYR
<b>DRIVEWAYS, 6" OR 8"</b> HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2" (IL-9.5mm) HMA BINDER COURSE, IL-19.0, N50; 4" (PE) OR 6" (CE)	4% @ 50 GYR 4% @ 50 GYR
<b>CLASS D PATCHES, 10"</b> HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 1-3/4" (IL-9.5mm) HMA BINDER COURSE IL-19.0, N70; 8-1/4"	4% @ 70 GYR 4% @ 70 GYR
<b>TEMPORARY PAVEMENT, 10"</b> HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 2" (IL-9.5mm) HMA BINDER COURSE IL-19.0, N70; 8"	4% @ 70 GYR 4% @ 70 GYR

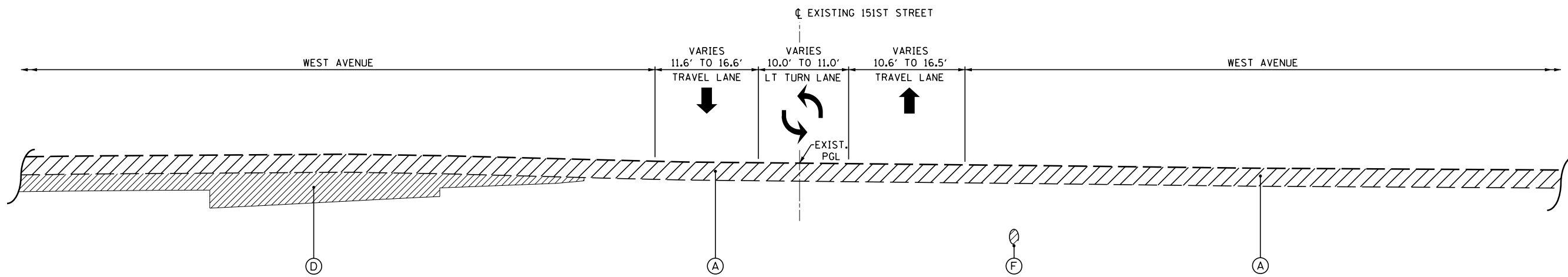
NOTES:

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SO YD/IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS. FOR RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS; THICKNESS SHALL BE 8". TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

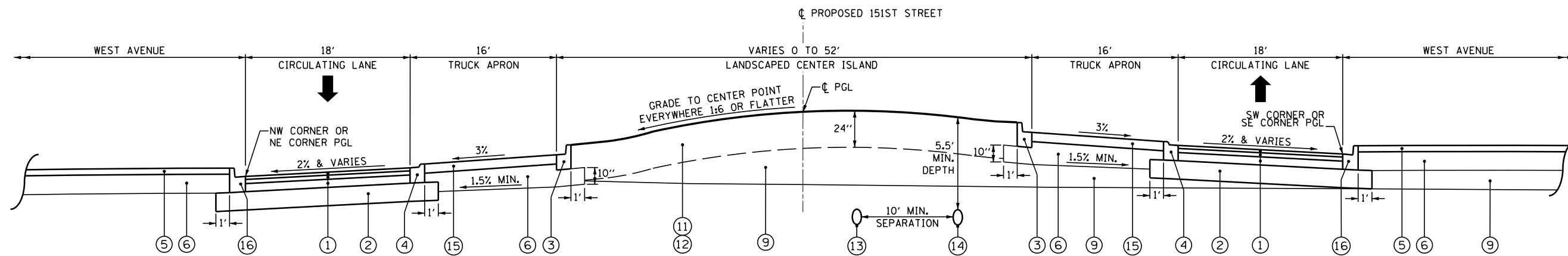
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CHRISTOPHER B. BURKE ENGINEERING LTD.  
 1000 N. WILSON AVENUE, SUITE 600  
 ROSEMOUNT, ILLINOIS 60018  
 (847) 823-9500

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**EXISTING TYPICAL SECTION NO. 2**  
 STA. 109+60.55 TO STA. 110+39.65, 151st STREET



**PROPOSED TYPICAL SECTION NO. 2**  
 STA. 109+60.55 TO STA. 110+39.65, 151st STREET

**LEGEND**

REMOVAL ITEMS

- (A) EXIST. BIT. PAVEMENT (SEE THICKNESS TABLE BELOW) PAVEMENT REMOVAL (44000100)
- (B) EXISTING CONCRETE CURB AND GUTTER COMBINATION CURB AND GUTTER REMOVAL (44000500)
- (C) EXISTING SIDEWALK SIDEWALK REMOVAL (SEE PLANS FOR LIMITS) (44000600)
- (D) EARTH EXCAVATION (20200100)
- (E) EXISTING TOPSOIL AND GROUND COVER TOPSOIL EXCAVATION AND PLACEMENT (21101505) (6" NOMINAL)
- (F) EXISTING WATER MAINS AND STORM SEWERS (SEE PLANS FOR LOCATIONS)
- (G) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200) AS DIRECTED BY THE ENGINEER

EXISTING PAVEMENT THICKNESSES FROM PAVEMENT CORES

PAVEMENT CORE STATION	ASPHALT THICKNESS
151st ST. STA. 110+95	12"
151st ST. STA. 116+20	10-1/4"
151st ST. STA. 122+00	6-1/2"
151st ST. STA. 125+95	9-1/4"

- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10" (40701881)
- (2) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12 (60608300)
- (5) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH (X1700011)
- (6) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (8) SUBBASE GRANULAR MATERIAL, TYPE B 2" (31101180)
- (9) EMBANKMENT (INCLUDED IN THE COST OF EARTH EXCAVATION)
- (10) PIPE UNDERDRAINS, 4" (SEE PLANS FOR LIMITS) (60107600)
- (11) TOPSOIL EXCAVATION AND PLACEMENT (21101505) (TYP. 4" NOMINAL; 24" IN ROUNDABOUT CENTER)
- (12) SODDING, SALT TOLERANT (25200110)
- (13) STORM SEWER (SIZE VARIES - SEE DRAINAGE PLANS)
- (14) 12" DUCTILE IRON WATER MAIN (SEE UTILITY PLANS)
- (15) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED) (X1700010)
- (16) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)

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	PLOT DATE = 7/11/2019	DATE -	REVISED -

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

**151ST STREET**  
**EXISTING AND PROPOSED TYPICAL SECTIONS**  
**STA. 109 + 60.55 TO STA. 110 + 39.65**

NOT TO SCALE SHEET 2 OF 12 SHEETS STA. 109+60.55 TO STA. 110+39.65

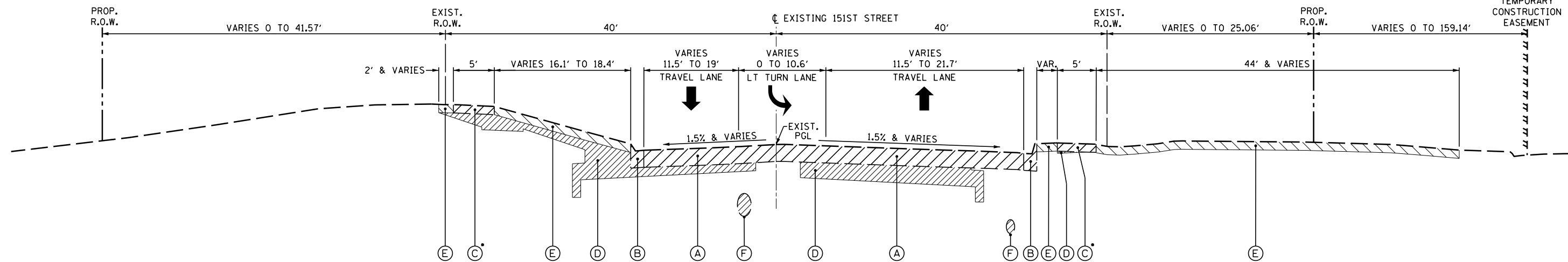
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1603/3000	13-00071-00-WR	COOK	162	12
<b>CONTRACT NO. 61F86</b>				
ILLINOIS FED. AID PROJECT				



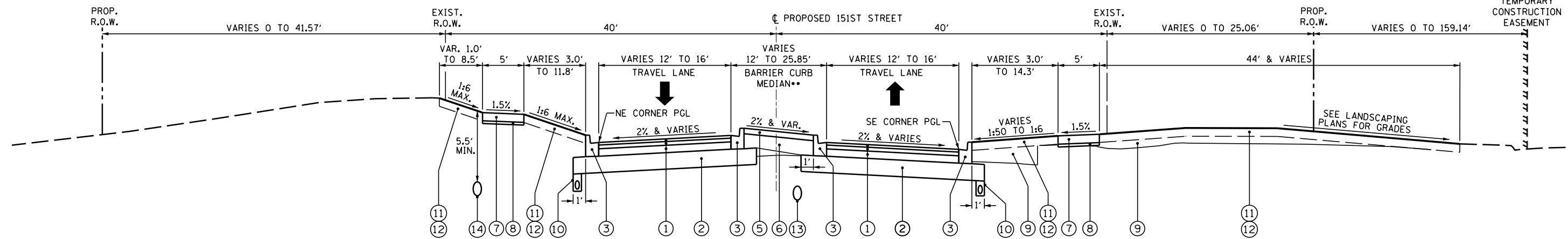
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NO.	
CHRISTOPHER B. BURKE	ENGINEERING LTD.
1801 S. STATE ST.	CHICAGO, IL 60605
(847) 823-9500	

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SURVEYED	
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NOTE BOOK	
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• SEE PLANS FOR STATION LIMITS OF SIDEWALK REMOVAL  
**EXISTING TYPICAL SECTION NO. 3**  
 STA. 110+39.65 TO STA. 113+86.12, 151st STREET



•• BECOMES FLUSH MEDIAN AFTER STA. 112+12.36  
**PROPOSED TYPICAL SECTION NO. 3**  
 STA. 110+39.65 TO STA. 113+86.12, 151st STREET

**LEGEND**

	REMOVAL ITEMS
--	---------------

- (A) EXIST. BIT. PAVEMENT (SEE THICKNESS TABLE BELOW) PAVEMENT REMOVAL (44000100)
- (B) EXISTING CONCRETE CURB AND GUTTER COMBINATION CURB AND GUTTER REMOVAL (44000500)
- (C) EXISTING SIDEWALK SIDEWALK REMOVAL (SEE PLANS FOR LIMITS) (44000600)
- (D) EARTH EXCAVATION (20200100)
- (E) EXISTING TOPSOIL AND GROUND COVER TOPSOIL EXCAVATION AND PLACEMENT (21101505) (6" NOMINAL)
- (F) EXISTING WATER MAINS AND STORM SEWERS (SEE PLANS FOR LOCATIONS)
- (G) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200) AS DIRECTED BY THE ENGINEER

EXISTING PAVEMENT THICKNESSES FROM PAVEMENT CORES

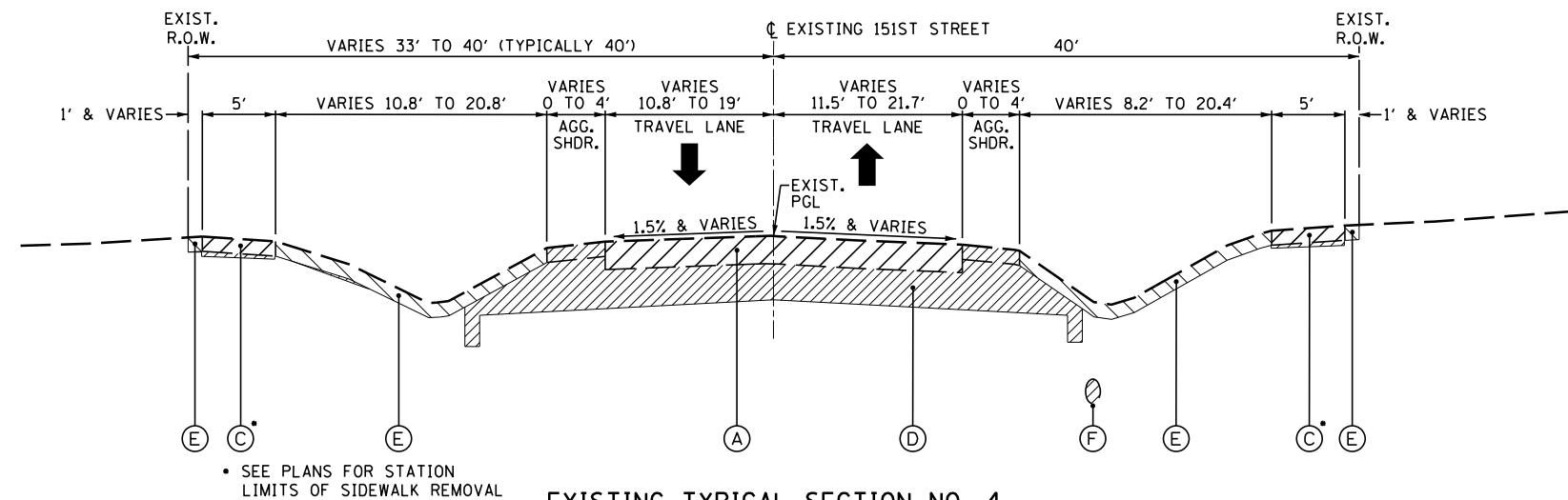
PAVEMENT CORE STATION	ASPHALT THICKNESS
151st ST. STA. 110+95	12"
151st ST. STA. 116+20	10-1/4"
151st ST. STA. 122+00	6-1/2"
151st ST. STA. 125+95	9-1/4"

- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10" (40701881)
- (2) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12 (60608300)
- (5) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH (X1700011)
- (6) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (8) SUBBASE GRANULAR MATERIAL, TYPE B 2" (31101180)
- (9) EMBANKMENT (INCLUDED IN THE COST OF EARTH EXCAVATION)
- (10) PIPE UNDERDRAINS, 4" (SEE PLANS FOR LIMITS) (60107600)
- (11) TOPSOIL EXCAVATION AND PLACEMENT (21101505) (TYP. 4" NOMINAL; 24" IN ROUNDABOUT CENTER)
- (12) SODDING, SALT TOLERANT (25200110)
- (13) STORM SEWER (SIZE VARIES - SEE DRAINAGE PLANS)
- (14) 12" DUCTILE IRON WATER MAIN (SEE UTILITY PLANS)
- (15) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED) (X1700010)
- (16) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)

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ALIGNMENT CHECKED	
CONTRACT NO.	
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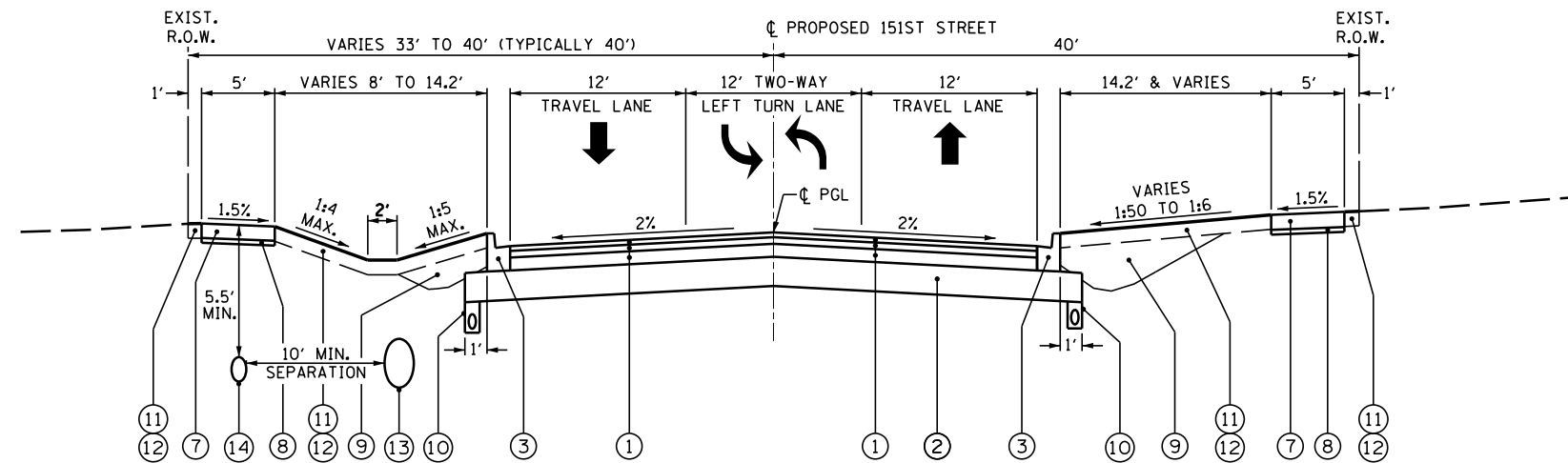
**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
 1000 N. WILSON AVENUE, SUITE 600  
 CHICAGO, ILLINOIS 60611  
 (847) 823-9500

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BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
NOTE BOOK NO.	
STRUCTURE NOTATIONS CHECKED	



**EXISTING TYPICAL SECTION NO. 4**

STA. 113+86.12 TO STA. 122+33.26, 151st STREET



**PROPOSED TYPICAL SECTION NO. 4**

STA. 113+86.12 TO STA. 122+33.26, 151st STREET

**LEGEND**



- REMOVAL ITEMS**
- (A) EXIST. BIT. PAVEMENT (SEE THICKNESS TABLE BELOW) PAVEMENT REMOVAL (44000100)
  - (B) EXISTING CONCRETE CURB AND GUTTER COMBINATION CURB AND GUTTER REMOVAL (44000500)
  - (C) EXISTING SIDEWALK SIDEWALK REMOVAL (SEE PLANS FOR LIMITS) (44000600)
  - (D) EARTH EXCAVATION (20200100)
  - (E) EXISTING TOPSOIL AND GROUND COVER TOPSOIL EXCAVATION AND PLACEMENT (21101505) (6" NOMINAL)
  - (F) EXISTING WATER MAINS AND STORM SEWERS (SEE PLANS FOR LOCATIONS)
  - (G) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200) AS DIRECTED BY THE ENGINEER

- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10" (40701881)
- (2) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12 (60608300)
- (5) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH (X1700011)
- (6) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (8) SUBBASE GRANULAR MATERIAL, TYPE B 2" (31101180)
- (9) EMBANKMENT (INCLUDED IN THE COST OF EARTH EXCAVATION)
- (10) PIPE UNDERDRAINS, 4" (SEE PLANS FOR LIMITS) (60107600)
- (11) TOPSOIL EXCAVATION AND PLACEMENT (21101505) (TYP. 4" NOMINAL; 24" IN ROUNDABOUT CENTER)
- (12) SODDING, SALT TOLERANT (25200110)
- (13) STORM SEWER (SIZE VARIES - SEE DRAINAGE PLANS)
- (14) 12" DUCTILE IRON WATER MAIN (SEE UTILITY PLANS)
- (15) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED) (X1700010)
- (16) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)

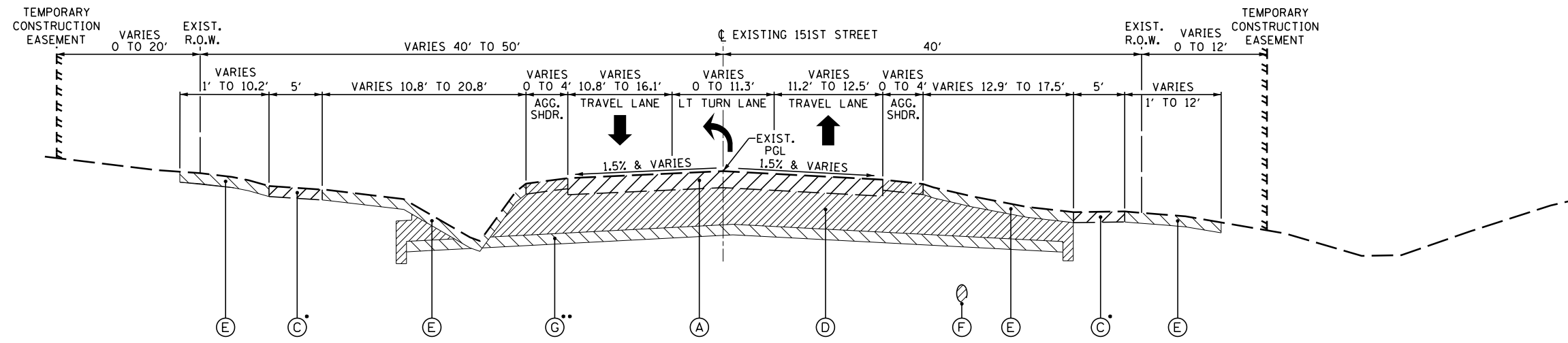
**EXISTING PAVEMENT THICKNESSES FROM PAVEMENT CORES**

PAVEMENT CORE STATION	ASPHALT THICKNESS
151st ST. STA. 110+95	12"
151st ST. STA. 116+20	10-1/4"
151st ST. STA. 122+00	6-1/2"
151st ST. STA. 125+95	9-1/4"

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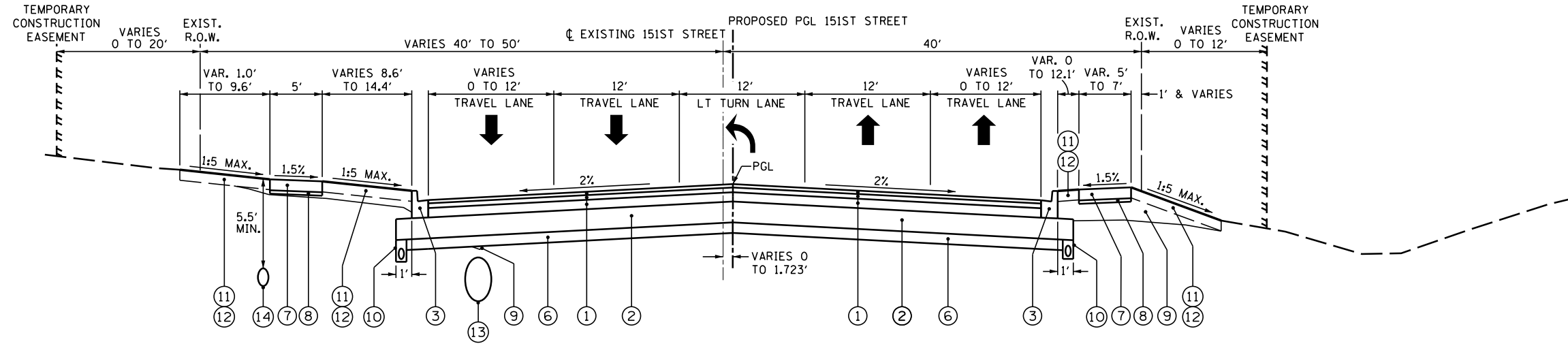
**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
 1000 N. WILSON AVENUE, SUITE 600  
 ROSEMONT, ILLINOIS 60018  
 (847) 823-9500

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BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
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**EXISTING TYPICAL SECTION NO. 5**  
 STA. 122+33.26 TO STA. 128+79.40, 151st STREET

- SEE PLANS FOR STATION LIMITS OF SIDEWALK REMOVAL
- POTENTIAL 6" UNDERCUT STA. 127+25 TO STA. 128+79.40 PER GEOTECHNICAL REPORT



**PROPOSED TYPICAL SECTION NO. 5**  
 STA. 122+33.26 TO STA. 128+79.40, 151st STREET

**LEGEND**



- REMOVAL ITEMS**
- (A) EXIST. BIT. PAVEMENT (SEE THICKNESS TABLE BELOW) PAVEMENT REMOVAL (44000100)
  - (B) EXISTING CONCRETE CURB AND GUTTER COMBINATION CURB AND GUTTER REMOVAL (44000500)
  - (C) EXISTING SIDEWALK SIDEWALK REMOVAL (SEE PLANS FOR LIMITS) (44000600)
  - (D) EARTH EXCAVATION (20200100)
  - (E) EXISTING TOPSOIL AND GROUND COVER TOPSOIL EXCAVATION AND PLACEMENT (21101505) (6" NOMINAL)
  - (F) EXISTING WATER MAINS AND STORM SEWERS (SEE PLANS FOR LOCATIONS)
  - (G) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200) AS DIRECTED BY THE ENGINEER

- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10" (40701881)
- (2) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12 (60608300)
- (5) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH (X1700011)
- (6) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (8) SUBBASE GRANULAR MATERIAL, TYPE B 2" (31101180)
- (9) EMBANKMENT (INCLUDED IN THE COST OF EARTH EXCAVATION)
- (10) PIPE UNDERDRAINS, 4" (SEE PLANS FOR LIMITS) (60107600)
- (11) TOPSOIL EXCAVATION AND PLACEMENT (21101505) (TYP. 4" NOMINAL; 24" IN ROUNDABOUT CENTER)
- (12) SODDING, SALT TOLERANT (25200110)
- (13) STORM SEWER (SIZE VARIES - SEE DRAINAGE PLANS)
- (14) 12" DUCTILE IRON WATER MAIN (SEE UTILITY PLANS)
- (15) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED) (X1700010)
- (16) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)

EXISTING PAVEMENT THICKNESSES FROM PAVEMENT CORES

PAVEMENT CORE STATION	ASPHALT THICKNESS
151st ST. STA. 110+95	12"
151st ST. STA. 116+20	10-1/4"
151st ST. STA. 122+00	6-1/2"
151st ST. STA. 125+95	9-1/4"

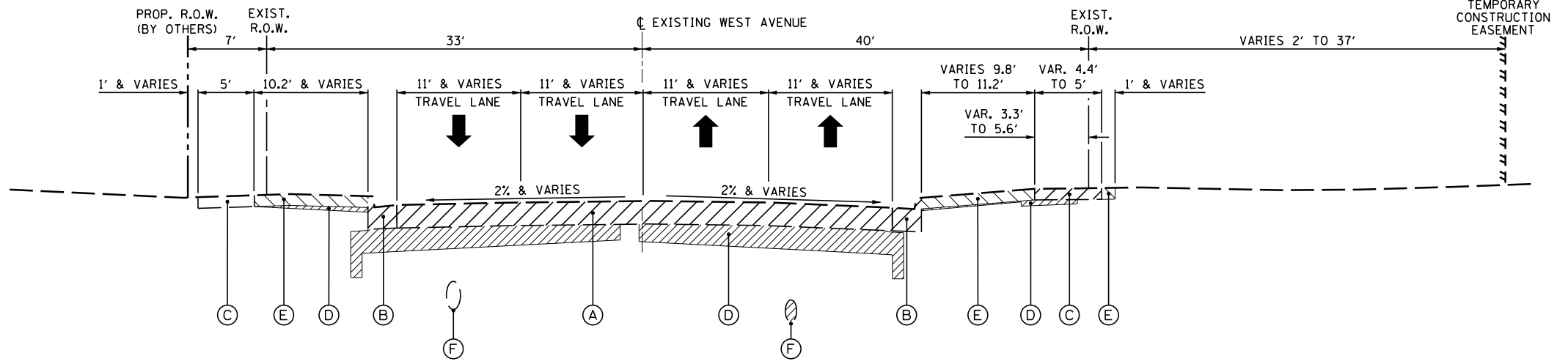




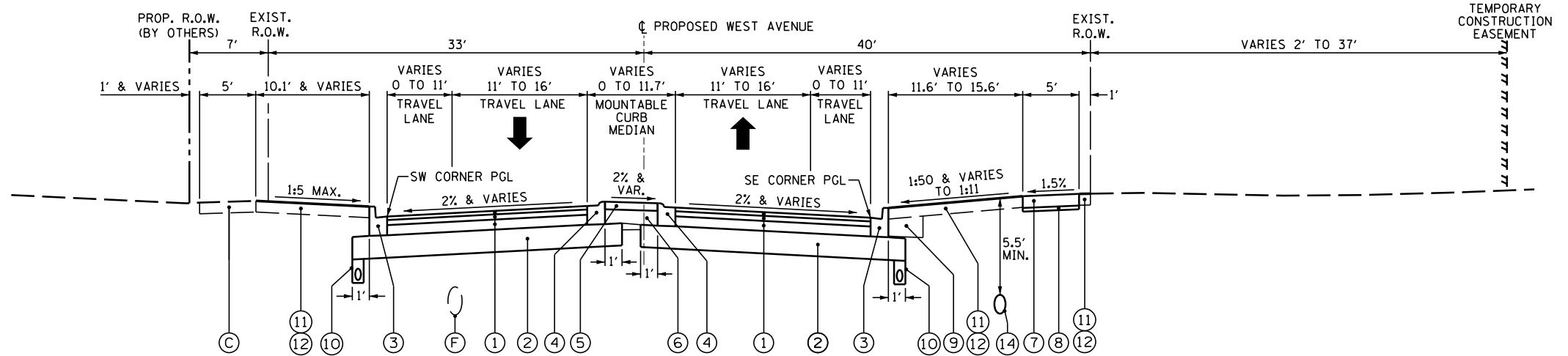
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**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
 1000 N. WILSON AVENUE, SUITE 600  
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 (847) 823-0500

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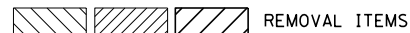


**EXISTING TYPICAL SECTION NO. 7**  
 STA. 203+10.97 TO STA. 205+83.89, WEST AVENUE



**PROPOSED TYPICAL SECTION NO. 7**  
 STA. 203+10.97 TO STA. 205+83.89, WEST AVENUE

**LEGEND**



- (A) EXIST. BIT. PAVEMENT (SEE THICKNESS TABLE BELOW) PAVEMENT REMOVAL (44000100)
- (B) EXISTING CONCRETE CURB AND GUTTER COMBINATION CURB AND GUTTER REMOVAL (44000500)
- (C) EXISTING SIDEWALK SIDEWALK REMOVAL (SEE PLANS FOR LIMITS) (44000600)
- (D) EARTH EXCAVATION (20200100)
- (E) EXISTING TOPSOIL AND GROUND COVER TOPSOIL EXCAVATION AND PLACEMENT (21101505) (6" NOMINAL)
- (F) EXISTING WATER MAINS AND STORM SEWERS (SEE PLANS FOR LOCATIONS)
- (G) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200) AS DIRECTED BY THE ENGINEER

- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10" (40701881)
- (2) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12 (60608300)
- (5) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH (X1700011)
- (6) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (8) SUBBASE GRANULAR MATERIAL, TYPE B 2" (31101180)
- (9) EMBANKMENT (INCLUDED IN THE COST OF EARTH EXCAVATION)
- (10) PIPE UNDERDRAINS, 4" (SEE PLANS FOR LIMITS) (60107600)
- (11) TOPSOIL EXCAVATION AND PLACEMENT (21101505) (TYP. 4" NOMINAL; 24" IN ROUNDABOUT CENTER)
- (12) SODDING, SALT TOLERANT (25200110)
- (13) STORM SEWER (SIZE VARIES - SEE DRAINAGE PLANS)
- (14) 12" DUCTILE IRON WATER MAIN (SEE UTILITY PLANS)
- (15) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED) (X1700010)
- (16) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)

EXISTING PAVEMENT THICKNESSES FROM PAVEMENT CORES

PAVEMENT CORE STATION	ASPHALT THICKNESS	PCC THICKNESS
WEST AVE. STA. 206+00	12-1/4"	---
WEST AVE. STA. 209+00	6-3/4"	5-1/2"

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	PLOT DATE = 7/11/2019	DATE -	REVISED -

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

**WEST AVENUE**  
**EXISTING AND PROPOSED TYPICAL SECTIONS**  
**STA. 203+10.97 TO STA. 205+83.89**

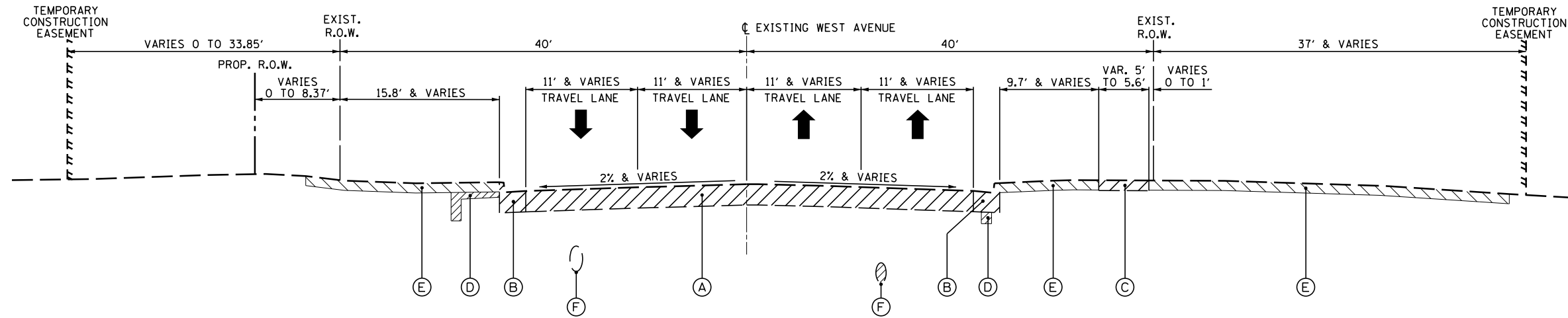
NOT TO SCALE SHEET 7 OF 12 SHEETS STA. 203+10.97 TO STA. 205+83.89

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2705	13-00071-00-WR	COOK	162	17
<b>CONTRACT NO. 61F86</b>				
ILLINOIS FED. AID PROJECT				

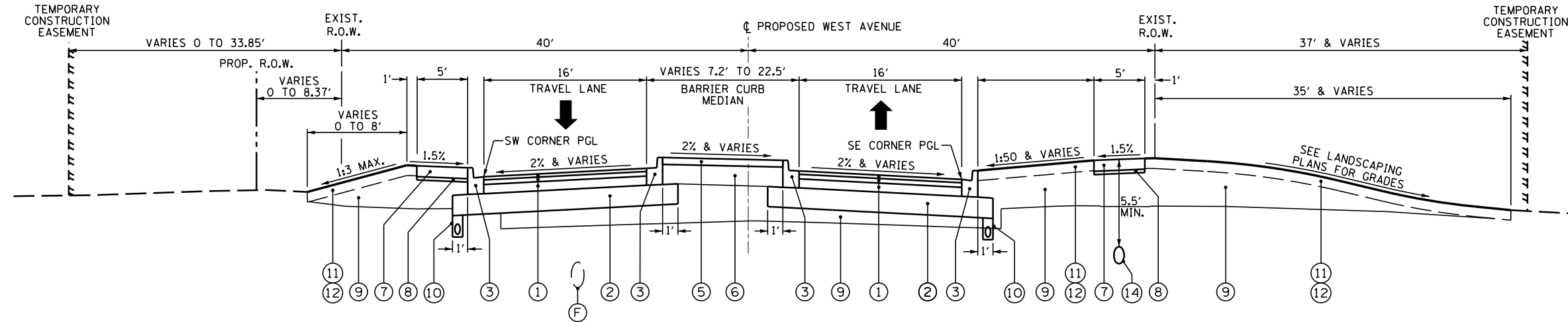
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GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
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**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
 1000 W. WASHINGTON ST. SUITE 600  
 CHICAGO, ILLINOIS 60601  
 (847) 823-9500

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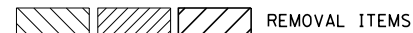


**EXISTING TYPICAL SECTION NO. 8**  
 STA. 205+83.89 TO STA. 206+99.65, WEST AVENUE



**PROPOSED TYPICAL SECTION NO. 8**  
 STA. 205+83.89 TO STA. 206+99.65, WEST AVENUE

**LEGEND**



- (A) EXIST. BIT. PAVEMENT (SEE THICKNESS TABLE BELOW) PAVEMENT REMOVAL (44000100)
- (B) EXISTING CONCRETE CURB AND GUTTER COMBINATION CURB AND GUTTER REMOVAL (44000500)
- (C) EXISTING SIDEWALK SIDEWALK REMOVAL (SEE PLANS FOR LIMITS) (44000600)
- (D) EARTH EXCAVATION (20200100)
- (E) EXISTING TOPSOIL AND GROUND COVER TOPSOIL EXCAVATION AND PLACEMENT (21101505) (6" NOMINAL)
- (F) EXISTING WATER MAINS AND STORM SEWERS (SEE PLANS FOR LOCATIONS)
- (G) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200) AS DIRECTED BY THE ENGINEER

EXISTING PAVEMENT THICKNESSES FROM PAVEMENT CORES

PAVEMENT CORE STATION	ASPHALT THICKNESS	PCC THICKNESS
WEST AVE. STA. 206+00	12-1/4"	---
WEST AVE. STA. 209+00	6-3/4"	5-1/2"

- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10" (40701881)
- (2) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12 (60608300)
- (5) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH (X1700011)
- (6) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (8) SUBBASE GRANULAR MATERIAL, TYPE B 2" (31101180)
- (9) EMBANKMENT (INCLUDED IN THE COST OF EARTH EXCAVATION)
- (10) PIPE UNDERDRAINS, 4" (SEE PLANS FOR LIMITS) (60107600)
- (11) TOPSOIL EXCAVATION AND PLACEMENT (21101505) (TYP. 4" NOMINAL; 24" IN ROUNDABOUT CENTER)
- (12) SODDING, SALT TOLERANT (25200110)
- (13) STORM SEWER (SIZE VARIES - SEE DRAINAGE PLANS)
- (14) 12" DUCTILE IRON WATER MAIN (SEE UTILITY PLANS)
- (15) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED) (X1700010)
- (16) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)

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USER NAME = pmagnelli  
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 PLOT SCALE = 12"  
 PLOT DATE = 7/11/2019

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

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

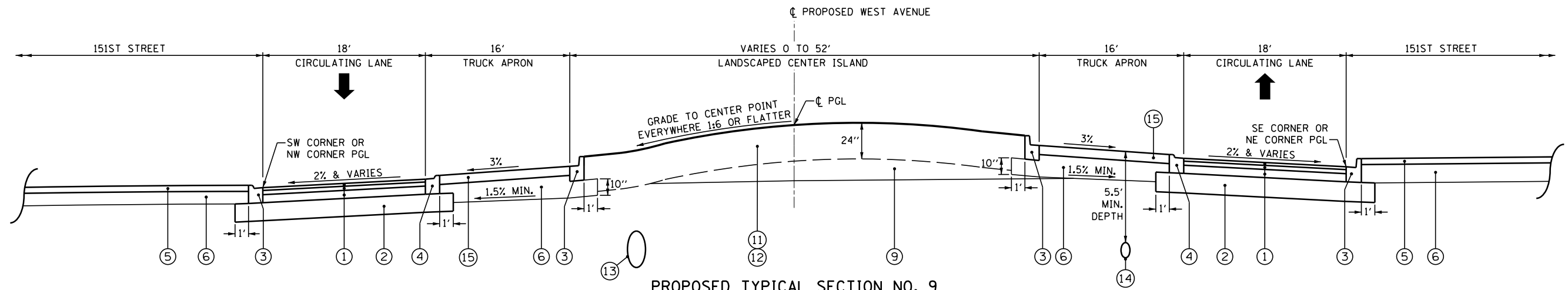
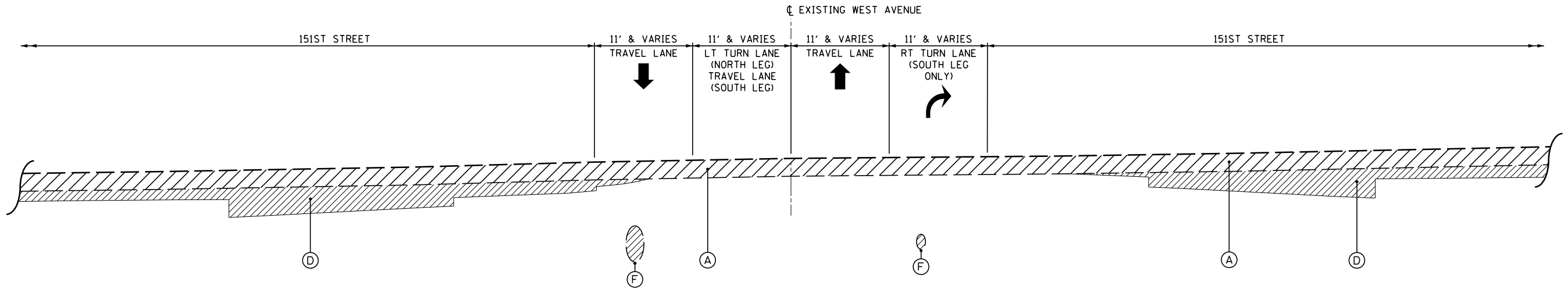
**WEST AVENUE**  
**EXISTING AND PROPOSED TYPICAL SECTIONS**  
**STA. 205 + 83.89 TO STA. 206 + 99.65**  
 NOT TO SCALE SHEET 8 OF 12 SHEETS STA. 205+83.89 TO STA. 206+99.65

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2705	13-00071-00-WR	COOK	162	18
<b>CONTRACT NO. 61F86</b>				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
PLAN	

CHRISTOPHER B. BURKE ENGINEERING LTD.  
 1000 N. WILSON AVENUE, SUITE 600  
 ROSEMONT, ILLINOIS 60018  
 (630) 823-9500

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



**LEGEND**

REMOVAL ITEMS

- (A) EXIST. BIT. PAVEMENT (SEE THICKNESS TABLE BELOW) PAVEMENT REMOVAL (44000100)
- (B) EXISTING CONCRETE CURB AND GUTTER COMBINATION CURB AND GUTTER REMOVAL (44000500)
- (C) EXISTING SIDEWALK SIDEWALK REMOVAL (SEE PLANS FOR LIMITS) (44000600)
- (D) EARTH EXCAVATION (20200100)
- (E) EXISTING TOPSOIL AND GROUND COVER TOPSOIL EXCAVATION AND PLACEMENT (21101505) (6" NOMINAL)
- (F) EXISTING WATER MAINS AND STORM SEWERS (SEE PLANS FOR LOCATIONS)
- (G) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200) AS DIRECTED BY THE ENGINEER

- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10" (40701881)
- (2) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12 (60608300)
- (5) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH (X1700011)
- (6) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (8) SUBBASE GRANULAR MATERIAL, TYPE B 2" (31101180)
- (9) EMBANKMENT (INCLUDED IN THE COST OF EARTH EXCAVATION)
- (10) PIPE UNDERDRAINS, 4" (SEE PLANS FOR LIMITS) (60107600)
- (11) TOPSOIL EXCAVATION AND PLACEMENT (21101505) (TYP. 4" NOMINAL; 24" IN ROUNDABOUT CENTER)
- (12) SODDING, SALT TOLERANT (25200110)
- (13) STORM SEWER (SIZE VARIES - SEE DRAINAGE PLANS)
- (14) 12" DUCTILE IRON WATER MAIN (SEE UTILITY PLANS)
- (15) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED) (X1700010)
- (16) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)

EXISTING PAVEMENT THICKNESSES FROM PAVEMENT CORES

PAVEMENT CORE STATION	ASPHALT THICKNESS	PCC THICKNESS
WEST AVE. STA. 206+00	12-1/4"	---
WEST AVE. STA. 209+00	6-3/4"	5-1/2"

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Default	PLOT SCALE = 12'	CHECKED -	REVISED -
	PLOT DATE = 7/11/2019	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WEST AVENUE  
 EXISTING AND PROPOSED TYPICAL SECTIONS  
 STA. 206 + 99.65 TO STA. 207 + 89.95

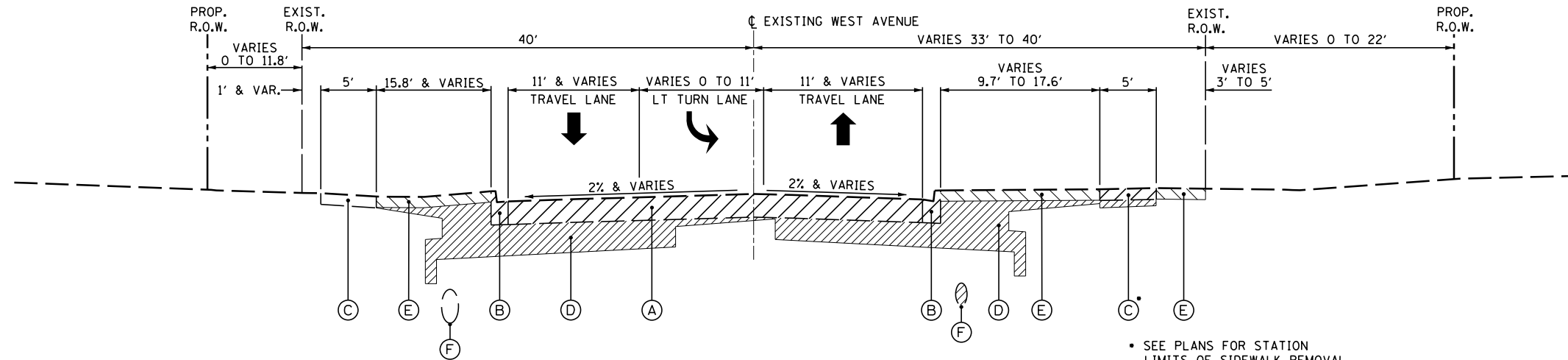
NOT TO SCALE SHEET 9 OF 12 SHEETS STA. 206+99.65 TO STA. 207+89.95

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2705	13-00071-00-WR	COOK	162	19
CONTRACT NO. 61F86				
ILLINOIS FED. AID PROJECT				

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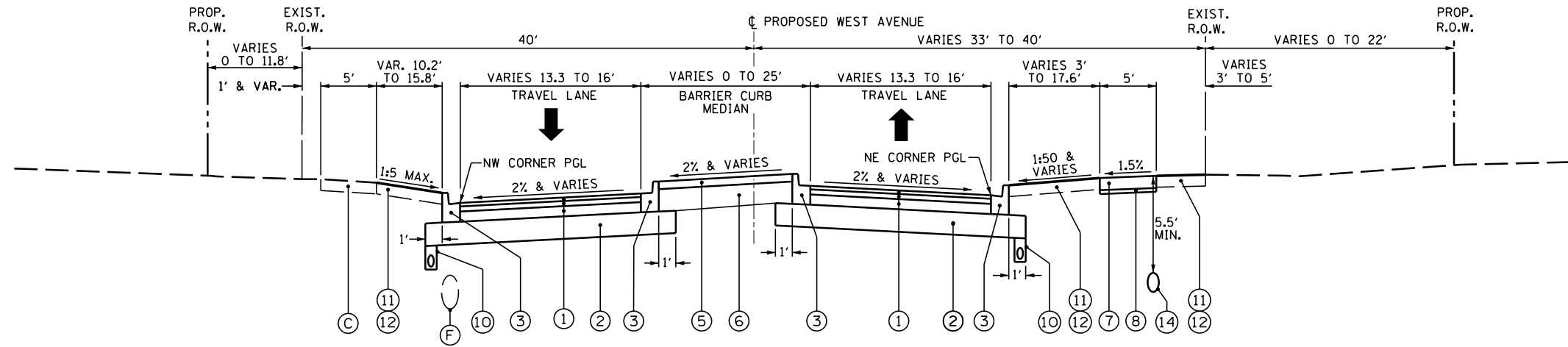
**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
 1000 N. WILSON AVENUE, SUITE 600  
 ROSEMONT, ILLINOIS 60018  
 (630) 520-0500

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GRADES CHECKED	
STRUCTURE	
NOT AT THIS OFFICE	
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NOTE BOOK	
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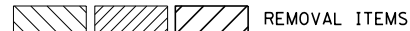
**EXISTING TYPICAL SECTION NO. 10**  
 STA. 207+89.95 TO STA. 211+17.50, WEST AVENUE

SEE PLANS FOR STATION LIMITS OF SIDEWALK REMOVAL



**PROPOSED TYPICAL SECTION NO. 10**  
 STA. 207+89.95 TO STA. 211+17.50, WEST AVENUE

**LEGEND**



- (A) EXIST. BIT. PAVEMENT (SEE THICKNESS TABLE BELOW) PAVEMENT REMOVAL (44000100)
- (B) EXISTING CONCRETE CURB AND GUTTER COMBINATION CURB AND GUTTER REMOVAL (44000500)
- (C) EXISTING SIDEWALK SIDEWALK REMOVAL (SEE PLANS FOR LIMITS) (44000600)
- (D) EARTH EXCAVATION (20200100)
- (E) EXISTING TOPSOIL AND GROUND COVER TOPSOIL EXCAVATION AND PLACEMENT (21101505) (6" NOMINAL)
- (F) EXISTING WATER MAINS AND STORM SEWERS (SEE PLANS FOR LOCATIONS)
- (G) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200) AS DIRECTED BY THE ENGINEER

EXISTING PAVEMENT THICKNESSES FROM PAVEMENT CORES

PAVEMENT CORE STATION	ASPHALT THICKNESS	PCC THICKNESS
WEST AVE. STA. 206+00	12-1/4"	---
WEST AVE. STA. 209+00	6-3/4"	5-1/2"

- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10" (40701881)
- (2) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12 (60608300)
- (5) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH (X1700011)
- (6) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (8) SUBBASE GRANULAR MATERIAL, TYPE B 2" (31101180)
- (9) EMBANKMENT (INCLUDED IN THE COST OF EARTH EXCAVATION)
- (10) PIPE UNDERDRAINS, 4" (SEE PLANS FOR LIMITS) (60107600)
- (11) TOPSOIL EXCAVATION AND PLACEMENT (21101505) (TYP. 4" NOMINAL; 24" IN ROUNDABOUT CENTER)
- (12) SODDING, SALT TOLERANT (25200110)
- (13) STORM SEWER (SIZE VARIES - SEE DRAINAGE PLANS)
- (14) 12" DUCTILE IRON WATER MAIN (SEE UTILITY PLANS)
- (15) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED) (X1700010)
- (16) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)

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Default	PLOT SCALE = 12'	CHECKED -	REVISED -
	PLOT DATE = 7/11/2019	DATE -	REVISED -

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

**WEST AVENUE**  
**EXISTING AND PROPOSED TYPICAL SECTIONS**  
**STA. 207 + 89.95 TO STA. 211 + 17.50**

NOT TO SCALE SHEET 10 OF 12 SHEETS STA. 207+89.95 TO STA. 211+17.50

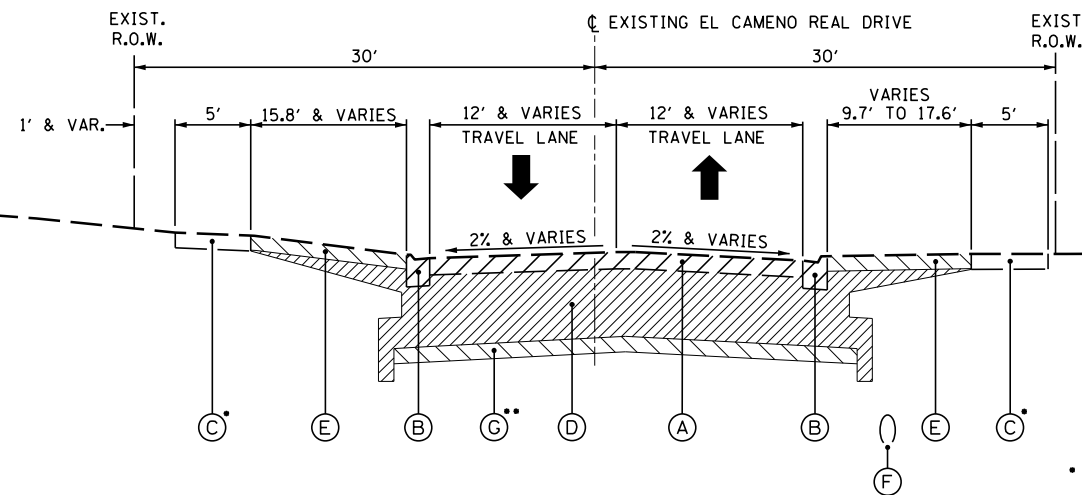
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2705	13-00071-00-WR	COOK	162	20
<b>CONTRACT NO. 61F86</b>				
ILLINOIS FED. AID PROJECT				



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 1000 N. WILSON AVENUE, SUITE 600  
 CHICAGO, ILLINOIS 60611  
 (847) 823-0500

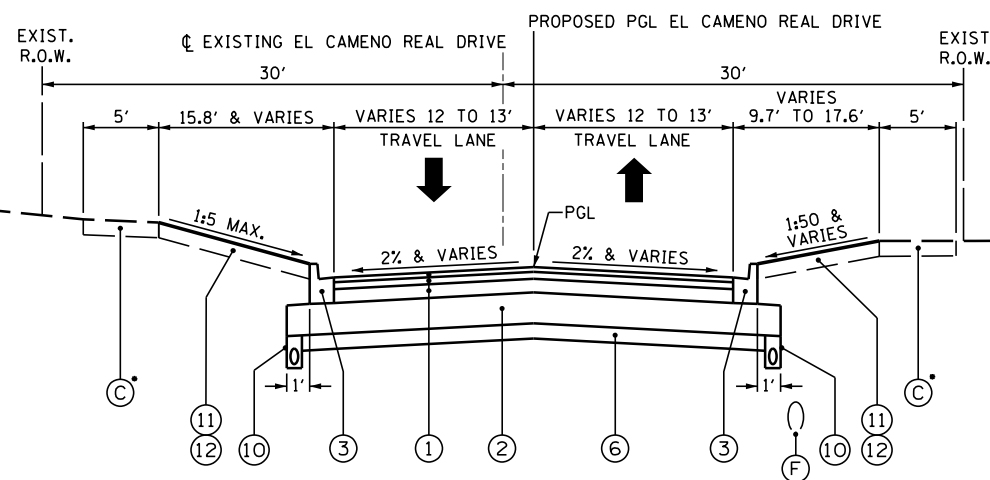
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**EXISTING TYPICAL SECTION NO. 11**

STA. 301+43.55 TO STA. 303+63.70, EL CAMENO REAL DRIVE

- SEE PLANS FOR STATION LIMITS OF SIDEWALK REMOVAL
- POTENTIAL 6" UNDERCUT STA. 302+50 TO STA. 303+63.70 PER GEOTECHNICAL REPORT



**PROPOSED TYPICAL SECTION NO. 11**

STA. 301+43.55 TO STA. 303+63.70, EL CAMENO REAL DRIVE

**LEGEND**

REMOVAL ITEMS

- (A) EXIST. BIT. PAVEMENT (SEE THICKNESS TABLE BELOW) PAVEMENT REMOVAL (44000100)
- (B) EXISTING CONCRETE CURB AND GUTTER COMBINATION CURB AND GUTTER REMOVAL (44000500)
- (C) EXISTING SIDEWALK SIDEWALK REMOVAL (SEE PLANS FOR LIMITS) (44000600)
- (D) EARTH EXCAVATION (20200100)
- (E) EXISTING TOPSOIL AND GROUND COVER TOPSOIL EXCAVATION AND PLACEMENT (21101505) (6" NOMINAL)
- (F) EXISTING WATER MAINS AND STORM SEWERS (SEE PLANS FOR LOCATIONS)
- (G) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200) AS DIRECTED BY THE ENGINEER

- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10" (40701881)
- (2) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12 (60608300)
- (5) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH (X1700011)
- (6) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (8) SUBBASE GRANULAR MATERIAL, TYPE B 2" (31101180)
- (9) EMBANKMENT (INCLUDED IN THE COST OF EARTH EXCAVATION)
- (10) PIPE UNDERDRAINS, 4" (SEE PLANS FOR LIMITS) (60107600)
- (11) TOPSOIL EXCAVATION AND PLACEMENT (21101505) (TYP. 4" NOMINAL; 24" IN ROUNDABOUT CENTER)
- (12) SODDING, SALT TOLERANT (25200110)
- (13) STORM SEWER (SIZE VARIES - SEE DRAINAGE PLANS)
- (14) 12" DUCTILE IRON WATER MAIN (SEE UTILITY PLANS)
- (15) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED) (X1700010)
- (16) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)

EXISTING PAVEMENT THICKNESSES FROM PAVEMENT CORES

PAVEMENT CORE STATION	ASPHALT THICKNESS
EL CAMENO REAL DR. STA. 301+50	5"
EL CAMENO REAL DR. STA. 303+50	5-3/4"

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	PLOT DATE = 7/11/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EL CAMENO REAL DRIVE  
EXISTING AND PROPOSED TYPICAL SECTIONS  
STA. 301 + 43.55 TO STA. 303 + 63.70

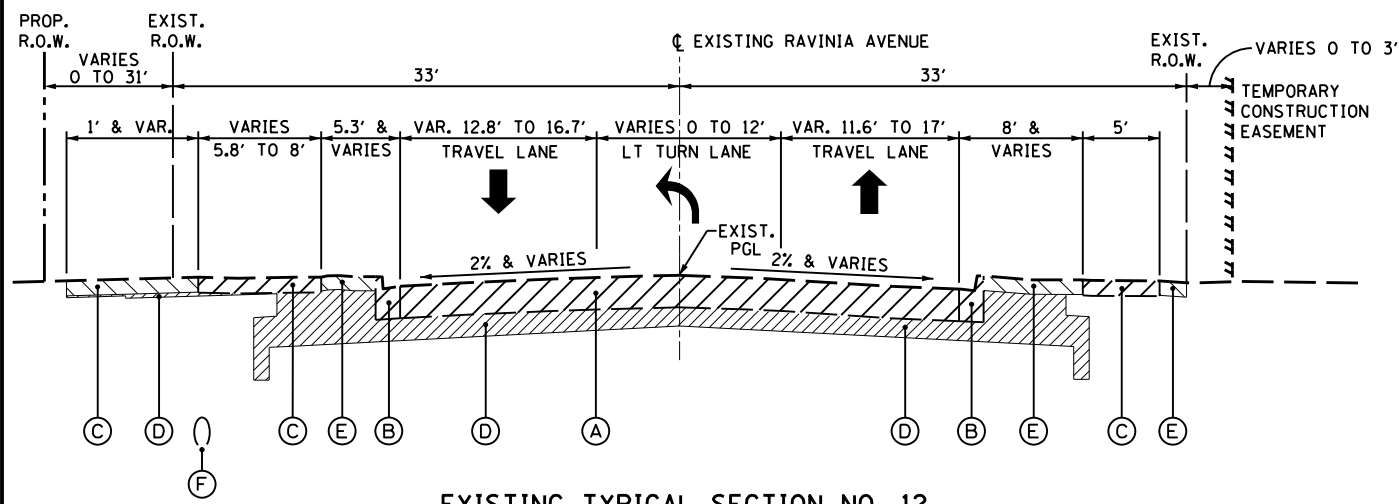
NOT TO SCALE SHEET 11 OF 12 SHEETS STA. 301+43.55 TO STA. 303+63.70

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0359	13-00071-00-WR	COOK	162	21
CONTRACT NO. 61F86				
ILLINOIS FED. AID PROJECT				

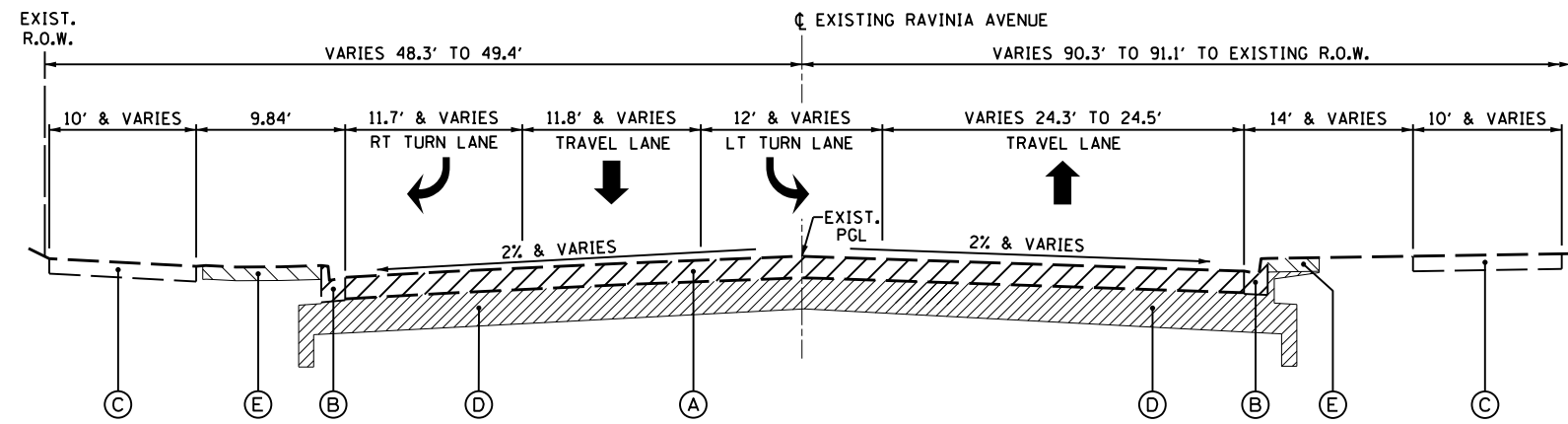
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CHRISTOPHER B. BURKE ENGINEERING LTD.	
1000 N. WILSON AVENUE	
ROSEMONT, ILLINOIS 60018	
(815) 823-9500	

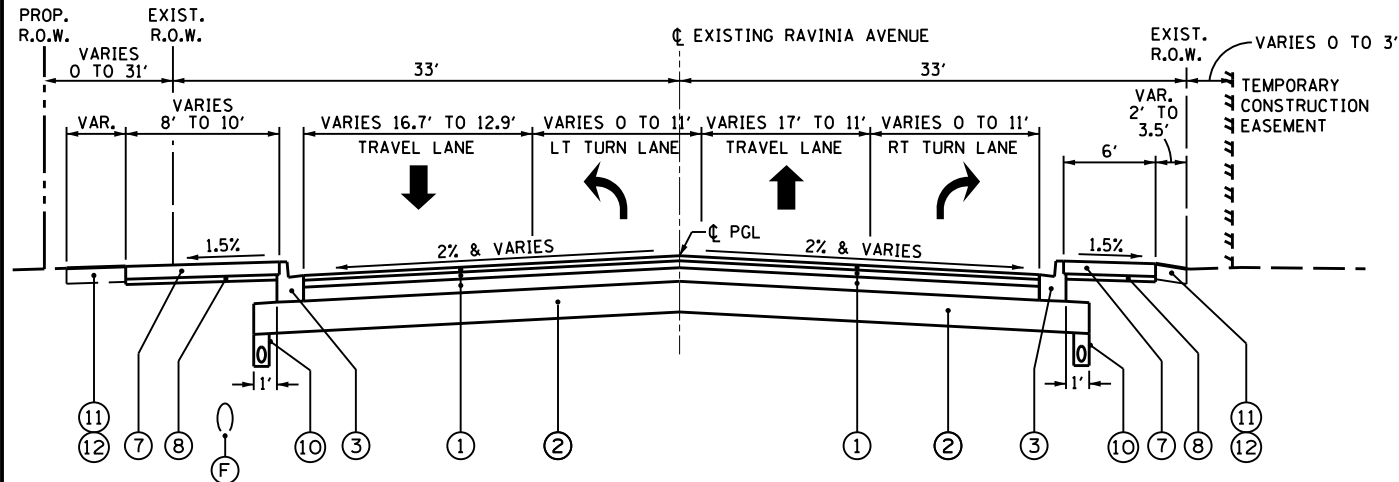
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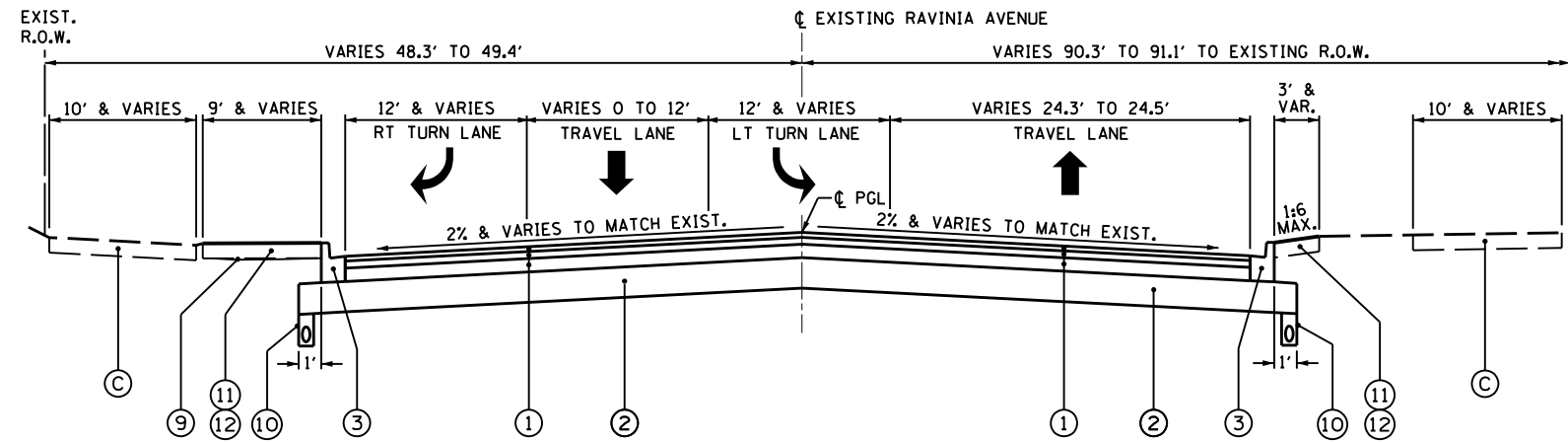
**EXISTING TYPICAL SECTION NO. 12**  
STA. 403+52.45 TO STA. 407+50\* , RAVINIA AVENUE



**EXISTING TYPICAL SECTION NO. 13**  
STA. 407+50 TO STA. 408+55.59\* , RAVINIA AVENUE



**PROPOSED TYPICAL SECTION NO. 12**  
STA. 403+52.45 TO STA. 407+50\* , RAVINIA AVENUE



**PROPOSED TYPICAL SECTION NO. 13**  
STA. 407+50 TO STA. 408+55.59\* , RAVINIA AVENUE

• NOTE: FROM STA. 402+29.40 TO STA. 403+52.45, RAVINIA AVE. WILL BE MILLED 2" AND RESURFACED WITH 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 (40604062)

- LEGEND**
- REMOVAL ITEMS
  - (A) EXIST. BIT. PAVEMENT (SEE THICKNESS TABLE BELOW) PAVEMENT REMOVAL (44000100)
  - (B) EXISTING CONCRETE CURB AND GUTTER COMBINATION CURB AND GUTTER REMOVAL (44000500)
  - (C) EXISTING SIDEWALK SIDEWALK REMOVAL (SEE PLANS FOR LIMITS) (44000600)
  - (D) EARTH EXCAVATION (20200100)
  - (E) EXISTING TOPSOIL AND GROUND COVER TOPSOIL EXCAVATION AND PLACEMENT (21101505) (6" NOMINAL)
  - (F) EXISTING WATER MAINS AND STORM SEWERS (SEE PLANS FOR LOCATIONS)
  - (G) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200) AS DIRECTED BY THE ENGINEER

EXISTING PAVEMENT THICKNESSES FROM PAVEMENT CORES

PAVEMENT CORE STATION	ASPHALT THICKNESS
RAVINIA AVE. STA. 406+00	10-1/2"
RAVINIA AVE. STA. 408+25	8-1/2"

- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10" (40701881)
- (2) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12 (60608300)
- (5) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH (X1700011)
- (6) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (8) SUBBASE GRANULAR MATERIAL, TYPE B 2" (31101180)
- (9) EMBANKMENT (INCLUDED IN THE COST OF EARTH EXCAVATION)
- (10) PIPE UNDERDRAINS, 4" (SEE PLANS FOR LIMITS) (60107600)
- (11) TOPSOIL EXCAVATION AND PLACEMENT (21101505) (TYP. 4" NOMINAL; 24" IN ROUNDABOUT CENTER)
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- (13) STORM SEWER (SIZE VARIES - SEE DRAINAGE PLANS)
- (14) 12" DUCTILE IRON WATER MAIN (SEE UTILITY PLANS)
- (15) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED) (X1700010)
- (16) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)

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	PLOT DATE = 8/22/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RAVINIA AVENUE EXISTING AND PROPOSED TYPICAL SECTIONS STA. 402 + 29.40 TO STA. 408 + 55.59			
NOT TO SCALE	SHEET 12	OF 12 SHEETS	STA. 402+29.40 TO STA. 408+55.59

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	13-00071-00-WR	COOK	162	22
CONTRACT NO. 61F86				
ILLINOIS FED. AID PROJECT				

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NOTE BOOK	
NO.	
CHRISTOPHER B. BURKE ENGINEERING LTD.	
1801 S. STATE ST.	
CHICAGO, IL 60608	
(847) 823-9500	

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CHECKED	
FILE NAME	

STATION	CUT (EXCLUSIVE OF T/S STRIPPING, PAV'T REMOVAL, DRIVEWAY REMOVAL) (SQ FT)	FILL (SQ FT)	CUT VOLUME (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15% SHRINKAGE FACTOR) (CU YD)	FILL (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)
203+54	48.4	4.4	0.0	0.0	0.0	0.0
204+00	55.9	6.2	88.2	74.9	9.0	66.0
204+31	61.8	8.6	68.4	58.1	8.6	49.5
204+50	61.8	7.5	42.6	36.2	5.6	30.6
205+00	52.6	3.5	105.9	90.0	10.2	79.8
205+42	36.2	0.6	68.6	58.3	3.1	55.2
206+00	14.3	24.9	54.5	46.4	27.5	18.8
206+46	3.2	21.2	14.9	12.6	39.1	-26.4
208+50	78.0	3.7	307.4	261.3	93.8	167.4
209+00	86.1	3.8	152.0	129.2	6.9	122.3
209+50	95.7	0.4	168.3	143.0	3.8	139.2
210+00	80.4	1.2	163.0	138.6	1.5	137.1
210+31	67.0	0.8	85.8	72.9	1.2	71.7
210+50	55.2	0.4	42.0	35.7	0.4	35.3
210+73	50.0	0.9	45.4	38.6	0.5	38.1
211+00	45.0	1.3	0.0	0.0	0.0	0.0
<b>TOTALS</b>			<b>1,407</b>	<b>1,196</b>	<b>212</b>	<b>985</b>

STATION	CUT (EXCLUSIVE OF T/S STRIPPING, PAV'T REMOVAL, DRIVEWAY REMOVAL) (SQ FT)	FILL (SQ FT)	CUT VOLUME (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15% SHRINKAGE FACTOR) (CU YD)	FILL (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)
<b>NW Corner</b>			<b>NW Corner</b>			
109+25	33.8	26.2	0.0	0.0	0.0	0.0
109+71	36.8	2.5	60.1	51.1	24.4	26.7
110+00	37.9	5.1	40.1	34.1	4.0	30.0
<b>NE Corner</b>			<b>NE Corner</b>			
110+00	48.0	0.3	0.0	0.0	0.0	0.0
110+41	57.1	0.0	79.2	67.3	0.2	67.1
110+75	63.0	13.0	76.2	64.8	8.2	56.5
<b>SW Corner</b>			<b>SW Corner</b>			
206+75	7.0	13.6	0.0	0.0	0.0	0.0
207+16	24.0	13.5	23.5	19.9	20.6	-0.7
207+50	21.7	4.1	28.8	24.5	11.1	13.3
<b>SW Corner</b>			<b>SW Corner</b>			
206+75	4.9	55.8	0.0	0.0	0.0	0.0
207+11	2.4	19.0	4.9	4.2	50.3	-46.1
207+50	2.5	14.1	3.5	3.0	23.7	-20.7
<b>TOTALS</b>			<b>317</b>	<b>269</b>	<b>143</b>	<b>127</b>

STATION	CUT (EXCLUSIVE OF T/S STRIPPING, PAV'T REMOVAL, DRIVEWAY REMOVAL) (SQ FT)	FILL (SQ FT)	CUT VOLUME (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15% SHRINKAGE FACTOR) (CU YD)	FILL (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)
108+00	37.6	7.2	0.0	0.0	0.0	0.0
108+50	42.8	5.7	74.5	63.3	11.9	51.4
108+73	44.2	2.7	36.6	31.1	3.5	27.6
109+00	42.4	11.9	43.8	37.2	7.4	29.8
109+39	65.7	1.0	78.0	66.3	9.3	57.0
111+00	22.8	17.6	263.9	224.3	55.4	168.9
111+50	62.9	20.3	79.3	67.4	35.1	32.4
111+81	83.8	9.2	83.5	70.9	16.7	54.2
112+00	73.6	4.5	56.2	47.8	4.9	42.9
112+50	75.0	4.2	137.6	117.0	8.0	108.9
112+69	78.9	0.8	55.3	47.0	1.8	45.2
112+92	89.4	2.9	70.0	59.5	1.5	58.0
113+50	85.2	0.0	188.0	159.8	3.1	156.7
114+00	82.2	0.0	155.0	131.8	0.0	131.8
114+68	71.3	5.0	192.6	163.7	6.2	157.5
115+00	65.4	1.1	0.0	0.0	0.0	0.0
115+25	64.0	0.0	58.7	49.9	0.5	49.4
115+50	65.6	0.3	61.2	52.0	0.2	51.9
115+73	71.8	0.0	59.5	50.6	0.1	50.5
116+00	70.3	4.0	70.0	59.5	2.0	57.5
116+25	83.1	0.5	71.5	60.8	2.1	58.7
116+50	74.8	13.3	72.6	61.7	6.3	55.4
116+90	71.7	10.0	109.8	93.3	17.4	75.9
117+36	218.2	0.0	245.3	208.5	8.5	200.0
117+86	72.7	25.9	270.3	229.8	24.1	205.7
118+00	68.6	17.7	35.8	30.4	11.1	19.4
118+50	72.1	7.2	130.3	110.7	23.1	87.7
119+00	68.9	10.7	130.5	111.0	16.6	94.4
119+50	61.5	21.4	120.7	102.6	29.7	72.9
120+00	58.6	20.0	111.2	94.5	38.3	56.2
120+50	57.5	20.3	107.5	91.4	37.4	54.0
121+00	60.6	23.0	109.4	92.9	40.2	52.8
121+50	69.4	29.6	0.0	0.0	0.0	0.0
122+00	113.8	7.5	169.7	144.2	34.3	109.9
122+50	99.7	20.3	197.7	168.0	25.7	142.3
123+00	105.2	27.2	189.7	161.2	44.0	117.2
123+28	152.1	4.8	131.7	111.9	16.4	95.6
123+54	128.7	0.0	139.1	118.2	2.4	115.8
124+00	140.6	4.2	227.4	193.3	3.5	189.8
124+50	90.8	3.3	214.3	182.2	6.9	175.3
124+78	104.3	2.1	102.9	87.5	2.8	84.7
125+00	80.4	1.1	73.6	62.5	1.3	61.3
125+57	77.0	5.5	165.9	141.0	6.9	134.1
126+00	51.6	25.7	102.6	87.2	24.9	62.4
126+50	48.2	35.1	92.4	78.5	56.3	22.3
127+00	52.7	45.5	93.4	79.4	74.6	4.8
127+50	62.7	20.1	106.8	90.8	60.8	30.0
128+00	92.5	21.6	143.7	122.1	38.7	83.4
128+41	106.3	15.5	150.2	127.6	28.0	99.6
129+13	586.9	0.0	923.8	785.2	20.6	764.6
129+90	73.3	0.6	944.8	803.1	0.8	802.3
<b>TOTALS</b>			<b>7,449</b>	<b>6,331</b>	<b>872</b>	<b>5,460</b>

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

CHRISTOPHER B. BURKE ENGINEERING LTD.  
 1000 Rosemont, Irvine, IL 60018  
 (847) 823-9500

DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
ALIGNMENT CHECKED	
STRUCTURE NOTATIONS CHECKED	
PROFILE	
NOTE BOOK NO.	
CADD FILE NAME	

STATION	CUT (EXCLUSIVE OF T/S STRIPPING, PAV'T REMOVAL, C&G REMOVAL, DRIVEWAY REMOVAL) (SQ FT)	FILL (SQ FT)	CUT VOLUME (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15% SHRINKAGE FACTOR) (CU YD)	FILL (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)
301+00	0.0	0.0	0.0	0.0	0.0	0.0
301+50	48.7	5.4	45.0	38.3	5.0	33.3
302+00	88.7	2.9	127.2	108.1	7.7	100.5
302+50						
303+00	58.4	3.3	54.1	46.0	3.0	43.0
303+50	47.8	3.6	98.3	83.6	6.3	77.3
304+00	0.0	0.0	44.2	37.6	3.3	34.3
<b>TOTALS</b>			<b>369</b>	<b>314</b>	<b>26</b>	<b>289</b>

EARTHWORK SUMMARY				
	CUT VOLUME (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15% SHRINKAGE FACTOR) (CU YD)	(FILL) (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)
WEST AVE	1,407	1,196	212	985
ROUNDABOUT RAMPS	317	269	143	127
151st STREET	7,449	6,331	872	5,460
EL CAMENO REAL DRIVE	369	314	26	289
RAVINIA AVE	937	796	53	744
	<b>10,479</b>	<b>8,906</b>	<b>1,306</b>	<b>7,605</b>

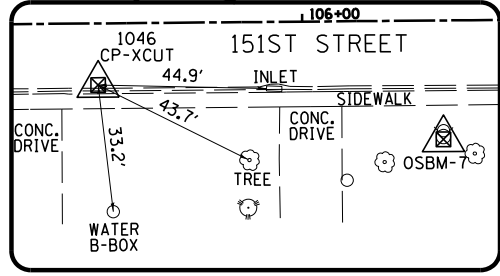
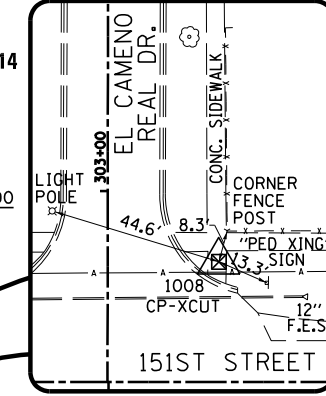
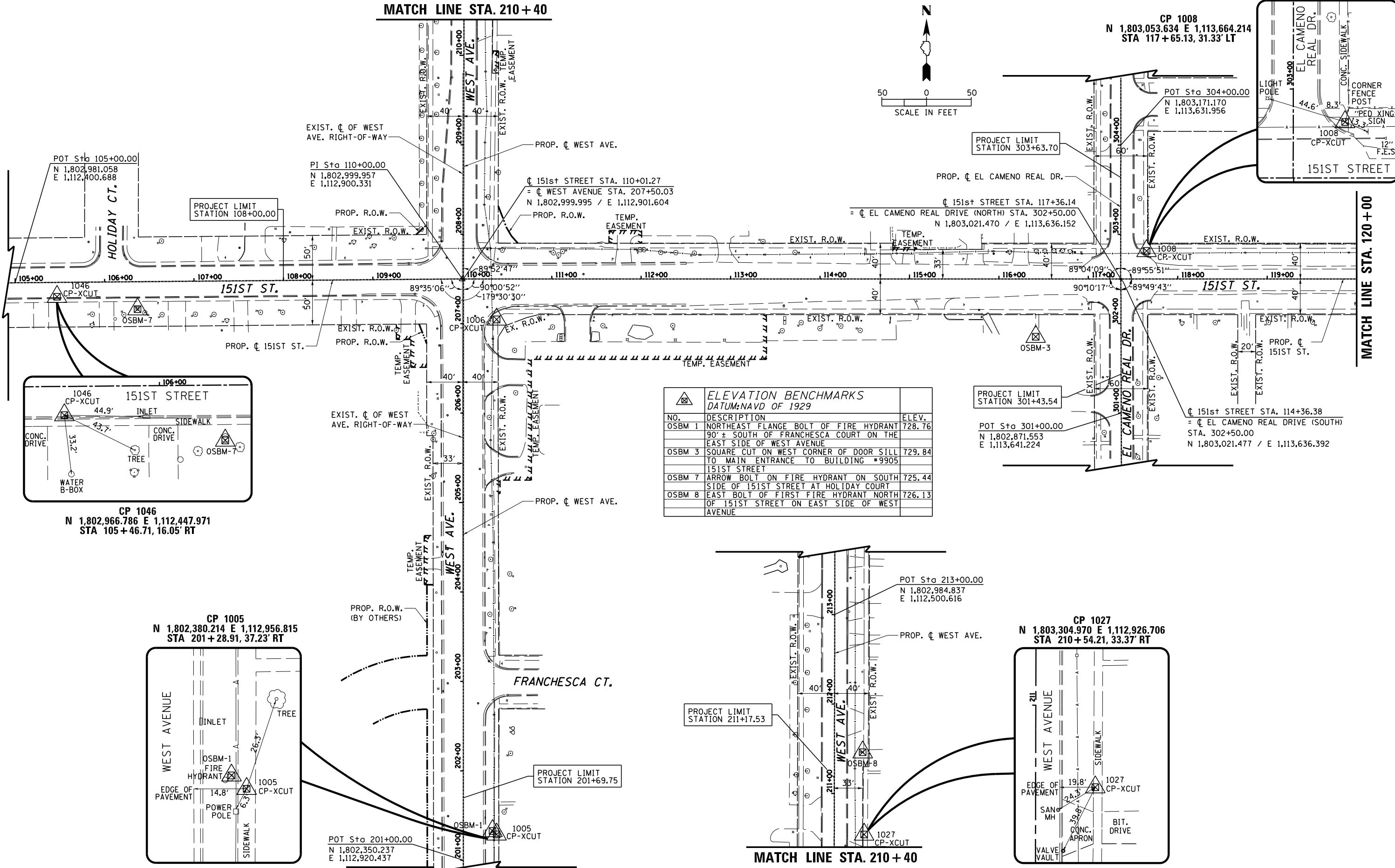
STATION	CUT (EXCLUSIVE OF T/S STRIPPING, PAV'T REMOVAL, C&G REMOVAL, DRIVEWAY REMOVAL) (SQ FT)	FILL (SQ FT)	CUT VOLUME (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15% SHRINKAGE FACTOR) (CU YD)	FILL (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)
403+00	0.0	0.0	0.0	0.0	0.0	0.0
403+50	0.0	0.0	0.0	0.0	0.0	0.0
403+88	35.8	5.3	25.1	21.4	3.7	17.6
404+50	41.2	4.2	88.5	75.2	11.0	64.3
405+00	57.0	2.8	90.9	77.3	6.5	70.8
405+61	71.5	1.3	145.3	123.5	4.6	118.9
406+00	70.9	2.7	102.7	87.3	2.9	84.4
406+50	57.6	8.0	119.0	101.1	9.9	91.2
406+73	51.1	12.2	45.8	39.0	8.5	30.5
407+50						
408+00	151.4	0.6	140.2	119.1	0.6	118.6
408+30	77.4	3.0	127.1	108.0	2.0	106.0
408+50	62.6	4.0	51.8	44.1	2.6	41.5
<b>TOTALS</b>			<b>937</b>	<b>796</b>	<b>53</b>	<b>744</b>

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

CHRISTOPHER B. BURKE ENGINEERING LTD.  
 1000 N. WILSON AVENUE, SUITE 600  
 CHICAGO, ILLINOIS 60642  
 (847) 823-9500  
 CB

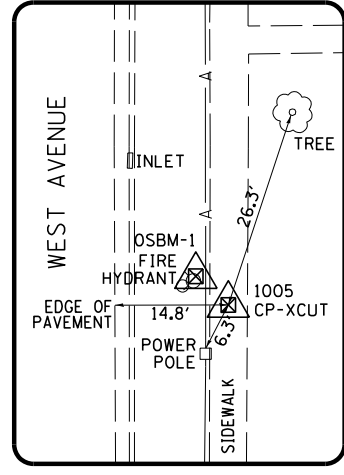
DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 PROFILE NOTE BOOK \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_  
 STRUCTURE NOTATIONS CHPKD

MATCH LINE STA. 210 + 40



CP 1046  
 N 1,802,966.786 E 1,112,447.971  
 STA 105 + 46.71, 16.05' RT

CP 1005  
 N 1,802,380.214 E 1,112,956.815  
 STA 201 + 28.91, 37.23' RT



ELEVATION BENCHMARKS DATUM: NAVD OF 1929		
NO.	DESCRIPTION	ELEV.
OSBM 1	NORTHEAST FLANGE BOLT OF FIRE HYDRANT 90' ± SOUTH OF FRANCESCA COURT ON THE EAST SIDE OF WEST AVENUE	728.76
OSBM 3	SQUARE CUT ON WEST CORNER OF DOOR SILL TO MAIN ENTRANCE TO BUILDING #9905 151ST STREET	729.84
OSBM 7	ARROW BOLT ON FIRE HYDRANT ON SOUTH SIDE OF 151ST STREET AT HOLIDAY COURT	725.44
OSBM 8	EAST BOLT OF FIRST FIRE HYDRANT NORTH OF 151ST STREET ON EAST SIDE OF WEST AVENUE	726.13

MATCH LINE STA. 210 + 40

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

151ST STREET WEST AVENUE TO RAVINIA AVENUE  
 ALIGNMENT, TIES AND BENCHMARKS  
 STA. 106 + 00 TO STA. 120 + 00

FILE NAME = N:\ORLANDPARK\150272\_ph2\Consultants\100T  
 USER NAME = sUSERs  
 Cadd\_Deliverable\DI61F86-shr-atb01.dgn  
 PLOT SCALE = 100'  
 PLOT DATE = 7/11/2019

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

SCALE: 1" = 50' SHEET 1 OF 4 SHEETS STA. 106+00 TO STA. 120+00

F.A.U. RTE. 1603/3000	SECTION 13-00071-00-WR	COUNTY COOK	TOTAL SHEETS 162	SHEET NO. 25
CONTRACT NO. 61F86				
ILLINOIS FED. AID PROJECT				





LAYOUT TABLE

(ALL STATIONS & OFFSETS ARE FROM 151ST ST. OR WEST AVE. PROP. C AS DEFINED ON SHEET #BMHI)

NUMBER	POINT	STATION	OFFSET	BACK OF CURB RADIUS
1	Start Alignment SECORNER	203+42.40	20.35' RT	-
2	PI in Alignment SECORNER	204+30.75	16.00' RT	-
3	Gutter Corner	204+70.06	0.99' RT	-
4	Curb Center of Curvature	204+72.05	0.97' LT	0.42'
5	Median PC	205+77.77	3.69' RT	-
6	Curb Center of Curvature	205+88.60	1.91' LT	4.10'
7	PC Curve SECORNER-1	205+77.33	19.69' RT	-
8	PT Curve SECORNER-1	206+27.63	16.93' RT	-
9	Median PT	206+25.49	1.08' RT	-
10	Median PCC	206+46.26	1.72' LT	-
11	PC Curve SECORNER-2	206+48.28	14.14' RT	-
12	Curb Center of Curvature	206+60.19	4.39' LT	0.42'
13	Curb Center of Curvature	206+72.15	3.03' LT	0.42'
14	Curb Center of Curvature	206+86.03	2.11' LT	2.42'
15	Gutter Corner	206+91.25	5.27' RT	-
16	PCC Curve SECORNER-2,3	110+54.10	37.43' RT	-
17	Gutter Corner	110+57.63	19.26' RT	-
18	Curb Center of Curvature	110+64.13	10.36' RT	1.42'
19	Curb Center of Curvature	110+80.76	8.79' RT	0.42'
20	Curb Center of Curvature	110+92.68	7.22' RT	0.42'
21	Median PT	111+40.52	6.00' RT	-
22	PT Curve SECORNER-3	111+40.52	22.00' RT	-
23	PI in Alignment SECORNER	112+06.11	22.00' RT	-
24	End Alignment SECORNER	113+86.11	18.00' RT	-
25	Start Alignment NECORNER	113+86.11	18.00' LT	-
26	PI in Alignment NECORNER	113+66.01	18.00' LT	-
27	Curb Center of Curvature	112+06.37	4.42' C	4.42'
28	Median PC	111+83.32	6.58' LT	-
29	PC Curve NECORNER-1	111+83.72	22.58' LT	-
30	Median PT	111+31.78	3.43' LT	-
31	PT Curve NECORNER-1	111+29.43	19.26' LT	-
32	Median PC	111+07.06	0.24' RT	-
33	Curb Center of Curvature	110+92.33	3.21' RT	0.42'
34	PC Curve NECORNER-2	111+04.04	15.49' LT	-
35	Curb Center of Curvature	110+80.31	2.67' RT	0.42'
36	Curb Center of Curvature	110+66.10	1.54' RT	2.42'
37	Gutter Corner	110+60.88	6.60' LT	-
38	PCC Curve NECORNER-2,3	110+41.39	49.31' LT	-
39	Gutter Corner	208+07.89	18.94' RT	-
40	Curb Center of Curvature	208+14.15	10.30' RT	1.42'
41	Curb Center of Curvature	208+30.59	8.26' RT	0.42'
42	Curb Center of Curvature	208+42.46	6.26' RT	0.42'
43	PT Curve NECORNER-3	208+90.84	18.38' RT	-
44	Median PT	208+90.75	2.38' RT	-
45	Curb Center of Curvature	209+72.25	1.42' LT	0.42'
46	Gutter Corner	209+74.25	0.53' RT	-
47	End Alignment NECORNER	211+17.53	13.37' RT	-
48	Start Alignment NWCORNER	211+17.53	13.28' LT	-
49	Gutter Corner	209+74.25	4.33' LT	-
50	Median PC	209+32.27	6.40' LT	-
51	PC Curve NWCORNER-1	209+33.06	22.38' LT	-
52	Median PT	208+74.82	3.71' LT	-
53	Median PC	208+54.37	0.77' LT	-
54	PT Curve NWCORNER-1	208+72.55	19.55' LT	-
55	Curb Center of Curvature	208+42.18	2.03' RT	0.42'
56	PC Curve NWCORNER-2	208+52.47	16.66' LT	-
57	Curb Center of Curvature	208+30.19	1.34' RT	0.42'
58	Curb Center of Curvature	208+15.99	1.36' RT	2.42'
59	Gutter Corner	208+10.62	6.87' LT	-
60	PCC Curve NWCORNER-2,3	109+63.27	47.50' LT	-
61	Gutter Corner	109+43.14	16.28' LT	-
62	Curb Center of Curvature	109+37.89	10.62' LT	1.42'
63	Median PT	109+03.08	3.25' LT	-
64	PT Curve NWCORNER-3	108+73.75	16.56' LT	-
65	Curb Center of Curvature	109+03.45	1.29' LT	0.42'
66	End Alignment NWCORNER	108+00.00	16.56' LT	-
67	Start Alignment SWCORNER	108+00.00	16.74' RT	-
68	Median PC	109+10.50	0.78' RT	-
69	PT Curve NWCORNER-3	109+09.76	16.78' RT	-
70	Curb Center of Curvature	109+37.26	2.73' RT	1.42'
71	Gutter Corner	109+41.81	7.88' RT	-
72	Start/End Alignment CENTER	110+42.96	4.92' LT	-
73	PCC Curve SWCORNER-1,2	206+88.77	33.11' LT	-
74	Gutter Corner	206+93.69	17.88' LT	-
75	Curb Center of Curvature	206+87.95	11.11' LT	1.42'
76	Curb Center of Curvature	206+71.83	9.88' LT	0.42'
77	Curb Center of Curvature	206+59.88	8.56' LT	0.42'
78	PT Curve SWCORNER-2	206+21.58	23.70' LT	-
79	Median PT	206+21.62	7.70' LT	-
80	Median PI	205+86.16	7.59' LT	-
81	Curb Center of Curvature	204+72.05	2.07' LT	0.42'
82	Gutter Corner	204+70.04	4.02' LT	-
83	PI in Alignment SWCORNER	203+61.70	22.89' LT	-
84	End Alignment SWCORNER	203+39.48	21.77' LT	-

DATA FOR ALIGNMENT NWCORNER

POB STA. = 108+00.00 (66)  
 PROP. CURVE NWCORNER-1  
 PI STA. = 109+24.04  
 Δ = 38° 07' 44" (LT)  
 D = 39° 30' 52"  
 R = 145.00'  
 T = 50.11'  
 L = 96.49'  
 E = 8.41'  
 e = NORMAL CROWN  
 T.R. = N/A  
 S.E. RUN = N/A  
 PC STA = 108+73.75 (64)  
 PT STA = 109+70.24 (60)

PROP. CURVE NWCORNER-2  
 PI STA. = 110+04.49  
 Δ = 59° 26' 13" (LT)  
 D = 95° 29' 35"  
 R = 60.00'  
 T = 34.25'  
 L = 62.24'  
 E = 9.09'  
 e = NORMAL CROWN  
 T.R. = N/A  
 S.E. RUN = N/A  
 PC STA = 109+70.24 (60)  
 PT STA = 110+32.49 (56)

PROP. CURVE NWCORNER-3  
 PI STA. = 110+83.20  
 Δ = 11° 00' 03" (RT)  
 D = 18° 07' 54"  
 R = 316.00'  
 T = 30.43'  
 L = 60.67'  
 E = 1.46'  
 e = NORMAL CROWN  
 T.R. = N/A  
 S.E. RUN = N/A  
 PC STA = 110+52.77 (54)  
 PT STA = 111+13.45 (51)

POE STA. = 112+98.14 (48)

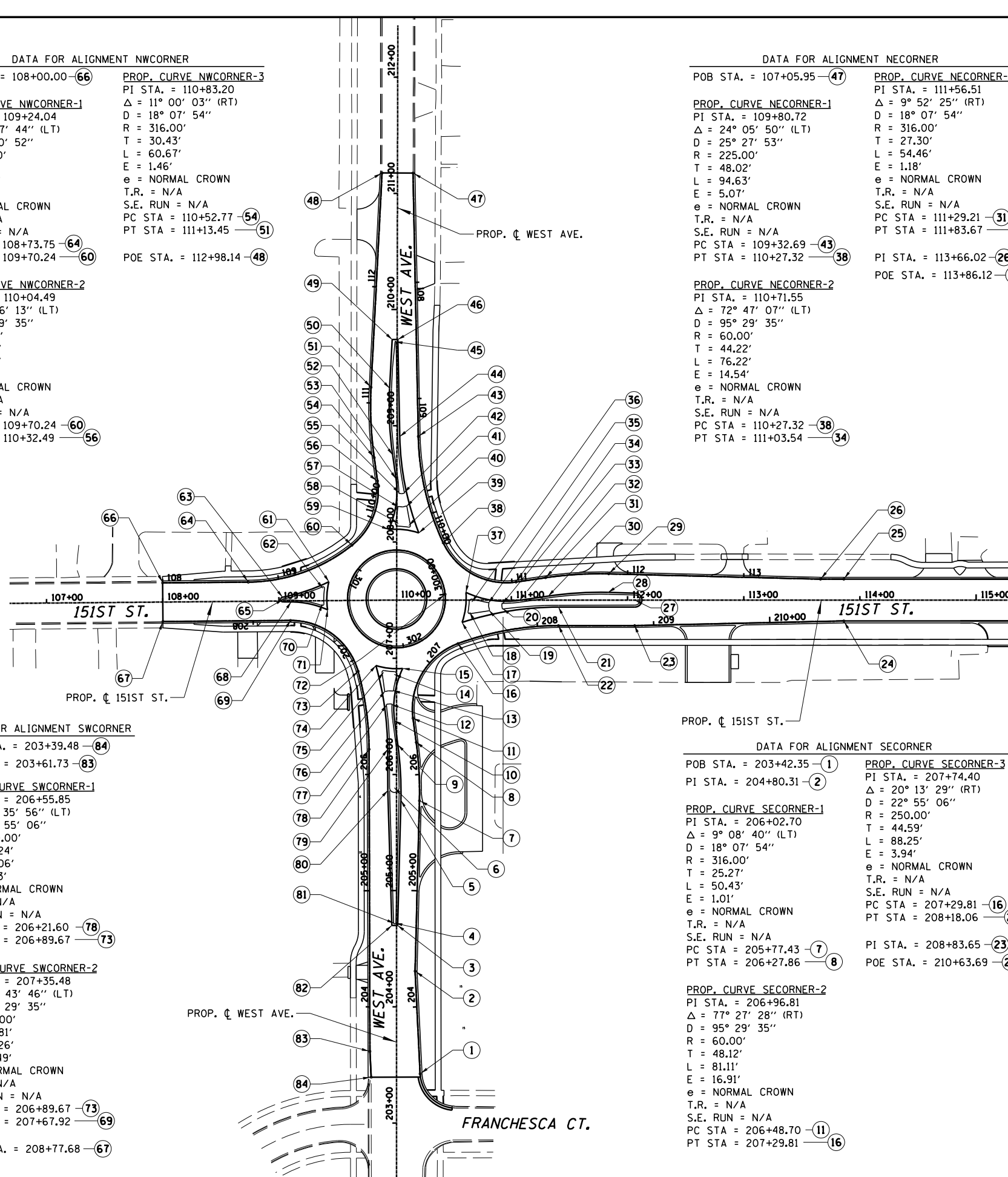
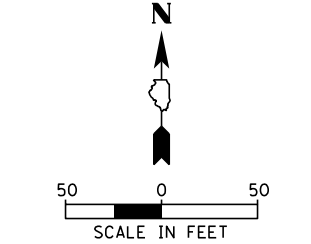
DATA FOR ALIGNMENT NECORNER

POB STA. = 107+05.95 (47)  
 PROP. CURVE NECORNER-1  
 PI STA. = 109+80.72  
 Δ = 24° 05' 50" (LT)  
 D = 25° 27' 53"  
 R = 225.00'  
 T = 48.02'  
 L = 94.63'  
 E = 5.07'  
 e = NORMAL CROWN  
 T.R. = N/A  
 S.E. RUN = N/A  
 PC STA = 109+32.69 (43)  
 PT STA = 110+27.32 (38)

PROP. CURVE NECORNER-2  
 PI STA. = 110+71.55  
 Δ = 72° 47' 07" (LT)  
 D = 95° 29' 35"  
 R = 60.00'  
 T = 44.22'  
 L = 76.22'  
 E = 14.54'  
 e = NORMAL CROWN  
 T.R. = N/A  
 S.E. RUN = N/A  
 PC STA = 110+27.32 (38)  
 PT STA = 111+03.54 (34)

PROP. CURVE NECORNER-3  
 PI STA. = 111+56.51  
 Δ = 9° 52' 25" (RT)  
 D = 18° 07' 54"  
 R = 316.00'  
 T = 27.30'  
 L = 54.46'  
 E = 1.18'  
 e = NORMAL CROWN  
 T.R. = N/A  
 S.E. RUN = N/A  
 PC STA = 111+29.21 (31)  
 PT STA = 111+83.67 (29)

POE STA. = 113+86.12 (25)



DATA FOR ALIGNMENT SWCORNER

POB STA. = 203+39.48 (84)  
 PI STA. = 203+61.73 (83)  
 PROP. CURVE SWCORNER-1  
 PI STA. = 206+55.85  
 Δ = 15° 35' 56" (LT)  
 D = 22° 55' 06"  
 R = 250.00'  
 T = 34.24'  
 L = 68.06'  
 E = 2.33'  
 e = NORMAL CROWN  
 T.R. = N/A  
 S.E. RUN = N/A  
 PC STA = 206+21.60 (78)  
 PT STA = 206+89.67 (73)

PROP. CURVE SWCORNER-2  
 PI STA. = 207+35.48  
 Δ = 74° 43' 46" (LT)  
 D = 95° 29' 35"  
 R = 60.00'  
 T = 45.81'  
 L = 78.26'  
 E = 15.49'  
 e = NORMAL CROWN  
 T.R. = N/A  
 S.E. RUN = N/A  
 PC STA = 206+89.67 (73)  
 PT STA = 207+67.92 (69)

POE STA. = 208+77.68 (67)

DATA FOR ALIGNMENT SECORNER

POB STA. = 203+42.35 (1)  
 PI STA. = 204+80.31 (2)  
 PROP. CURVE SECORNER-1  
 PI STA. = 206+02.70  
 Δ = 9° 08' 40" (LT)  
 D = 18° 07' 54"  
 R = 250.00'  
 T = 25.27'  
 L = 50.43'  
 E = 1.01'  
 e = NORMAL CROWN  
 T.R. = N/A  
 S.E. RUN = N/A  
 PC STA = 205+77.43 (7)  
 PT STA = 206+27.86 (8)

PROP. CURVE SECORNER-2  
 PI STA. = 206+96.81  
 Δ = 77° 27' 28" (RT)  
 D = 95° 29' 35"  
 R = 60.00'  
 T = 48.12'  
 L = 81.11'  
 E = 16.91'  
 e = NORMAL CROWN  
 T.R. = N/A  
 S.E. RUN = N/A  
 PC STA = 206+48.70 (11)  
 PT STA = 207+29.81 (16)

PROP. CURVE SECORNER-3  
 PI STA. = 207+74.40  
 Δ = 20° 13' 29" (RT)  
 D = 22° 55' 06"  
 R = 250.00'  
 T = 44.59'  
 L = 88.25'  
 E = 3.94'  
 e = NORMAL CROWN  
 T.R. = N/A  
 S.E. RUN = N/A  
 PC STA = 207+29.81 (16)  
 PT STA = 208+18.06 (22)

POE STA. = 210+63.69 (24)

DATA FOR ALIGNMENT CENTER

PROP. CURVE CENTER-1  
 PI STA. = N/A  
 Δ = 360° 00' 00" (LT)  
 D = 136° 25' 09"  
 R = 42.00'  
 T = N/A  
 L = 263.89'  
 E = 42.00'  
 e = NORMAL CROWN  
 T.R. = N/A  
 S.E. RUN = N/A  
 PC STA = 300+00.00 (72)  
 PT STA = 302+63.89 (72)

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PLAN	
NO.	

CHRISTOPHER B. BURKE ENGINEERING LTD.  
 1000 N. WILSON AVENUE  
 SUITE 600  
 CHICAGO, IL 60642  
 (773) 832-9500

DATE	
BY	
PROFILE	
NO.	
DATE	
BY	
PROFILE	
NO.	

DATE	
BY	
PLAN	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	

**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
 1100 N. SUPERIOR ST. SUITE 600  
 CHICAGO, IL 60610  
 (847) 823-9500

DATE	
BY	
PROFILE	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	

PROP. CURVE NWCORNER-1  
 PI STA. = 109+24.04  
 $\Delta = 37^\circ 58' 02''$  (LT)  
 $D = 39^\circ 30' 52''$   
 $R = 145.00'$   
 $T = 49.88'$   
 $L = 96.08'$   
 $E = 8.34'$   
 $e = \text{NORMAL CROWN}$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA = 108+74.16$   
 $P.C.C. STA = 109+70.24$

PROP. CURVE NWCORNER-2  
 PI STA. = 110+04.49  
 $\Delta = 59^\circ 26' 13''$  (LT)  
 $D = 95^\circ 29' 35''$   
 $R = 60.00'$   
 $T = 34.25'$   
 $L = 62.24'$   
 $E = 9.09'$   
 $e = \text{NORMAL CROWN}$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C.C. STA = 109+70.24$   
 $P.T. STA = 110+32.49$

PROP. CURVE NWCORNER-3  
 PI STA. = 110+83.20  
 $\Delta = 11^\circ 00' 03''$  (RT)  
 $D = 18^\circ 07' 54''$   
 $R = 316.00'$   
 $T = 30.43'$   
 $L = 60.67'$   
 $E = 1.46'$   
 $e = \text{NORMAL CROWN}$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA = 110+52.77$   
 $P.T. STA = 111+13.45$

PROP. CURVE SWCORNER-1  
 PI STA. = 206+55.85  
 $\Delta = 15^\circ 35' 56''$  (LT)  
 $D = 22^\circ 55' 06''$   
 $R = 250.00'$   
 $T = 34.24'$   
 $L = 68.06'$   
 $E = 2.33'$   
 $e = \text{NORMAL CROWN}$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA = 206+21.60$   
 $P.C.C. STA = 206+89.67$

PROP. CURVE SWCORNER-2  
 PI STA. = 207+35.48  
 $\Delta = 74^\circ 43' 46''$  (LT)  
 $D = 95^\circ 29' 35''$   
 $R = 60.00'$   
 $T = 45.81'$   
 $L = 78.26'$   
 $E = 15.49'$   
 $e = \text{NORMAL CROWN}$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C.C. STA = 206+89.67$   
 $P.T. STA = 207+67.92$

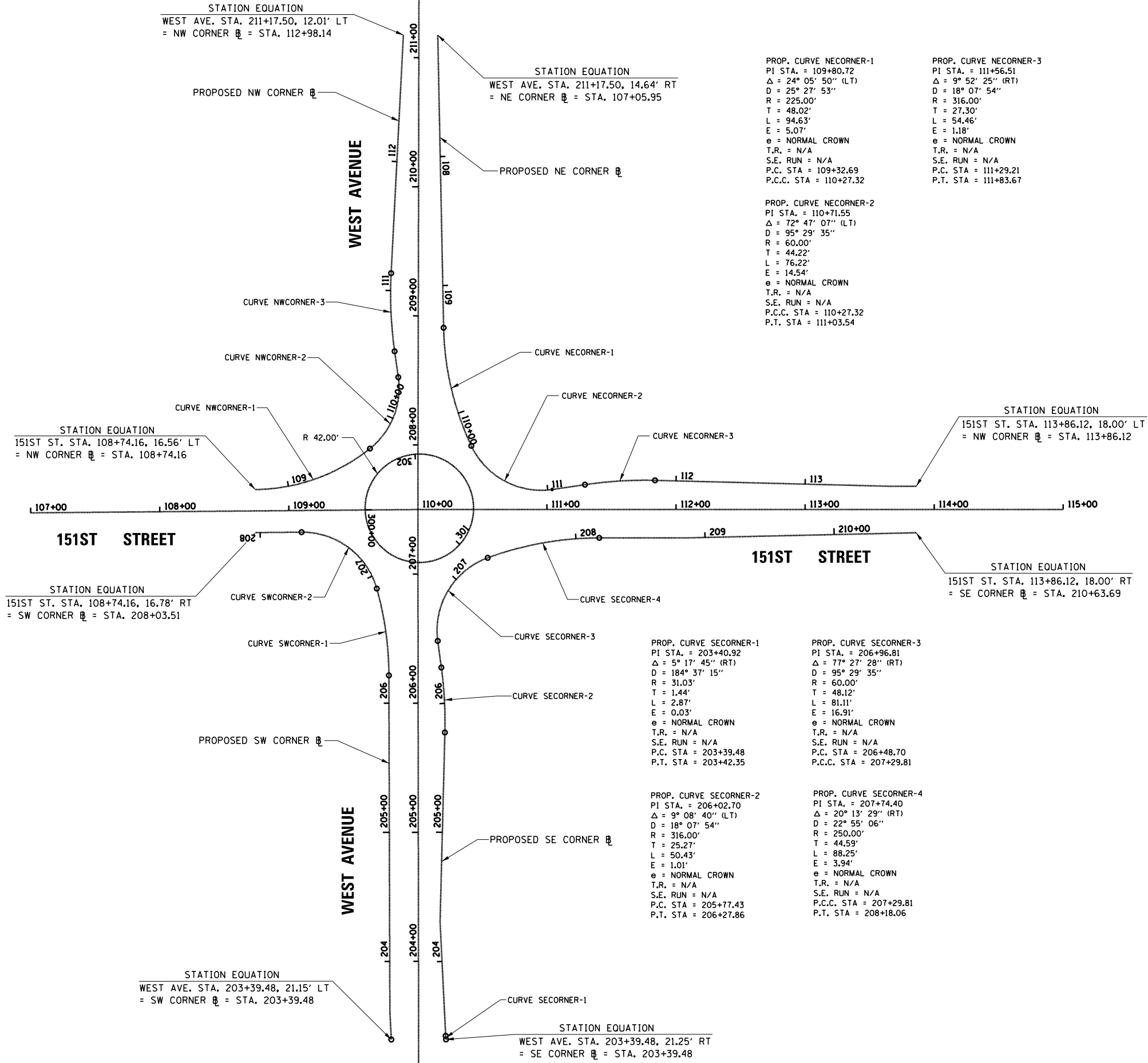
STATION EQUATION  
 WEST AVE. STA. 211+17.50, 12.01' LT  
 = NW CORNER @ = STA. 112+98.14

STATION EQUATION  
 WEST AVE. STA. 211+17.50, 14.64' RT  
 = NE CORNER @ = STA. 107+05.95

PROP. CURVE NECORNER-1  
 PI STA. = 109+80.72  
 $\Delta = 24^\circ 05' 50''$  (LT)  
 $D = 25^\circ 27' 53''$   
 $R = 225.00'$   
 $T = 48.02'$   
 $L = 94.63'$   
 $E = 5.07'$   
 $e = \text{NORMAL CROWN}$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA = 109+32.69$   
 $P.C.C. STA = 110+27.32$

PROP. CURVE NECORNER-3  
 PI STA. = 111+56.51  
 $\Delta = 9^\circ 52' 25''$  (RT)  
 $D = 18^\circ 07' 54''$   
 $R = 316.00'$   
 $T = 27.30'$   
 $L = 54.46'$   
 $E = 1.18'$   
 $e = \text{NORMAL CROWN}$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA = 111+29.21$   
 $P.T. STA = 111+83.67$

PROP. CURVE NECORNER-2  
 PI STA. = 110+71.55  
 $\Delta = 72^\circ 47' 07''$  (LT)  
 $D = 95^\circ 29' 35''$   
 $R = 60.00'$   
 $T = 44.22'$   
 $L = 76.22'$   
 $E = 14.54'$   
 $e = \text{NORMAL CROWN}$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C.C. STA = 110+27.32$   
 $P.T. STA = 111+03.54$



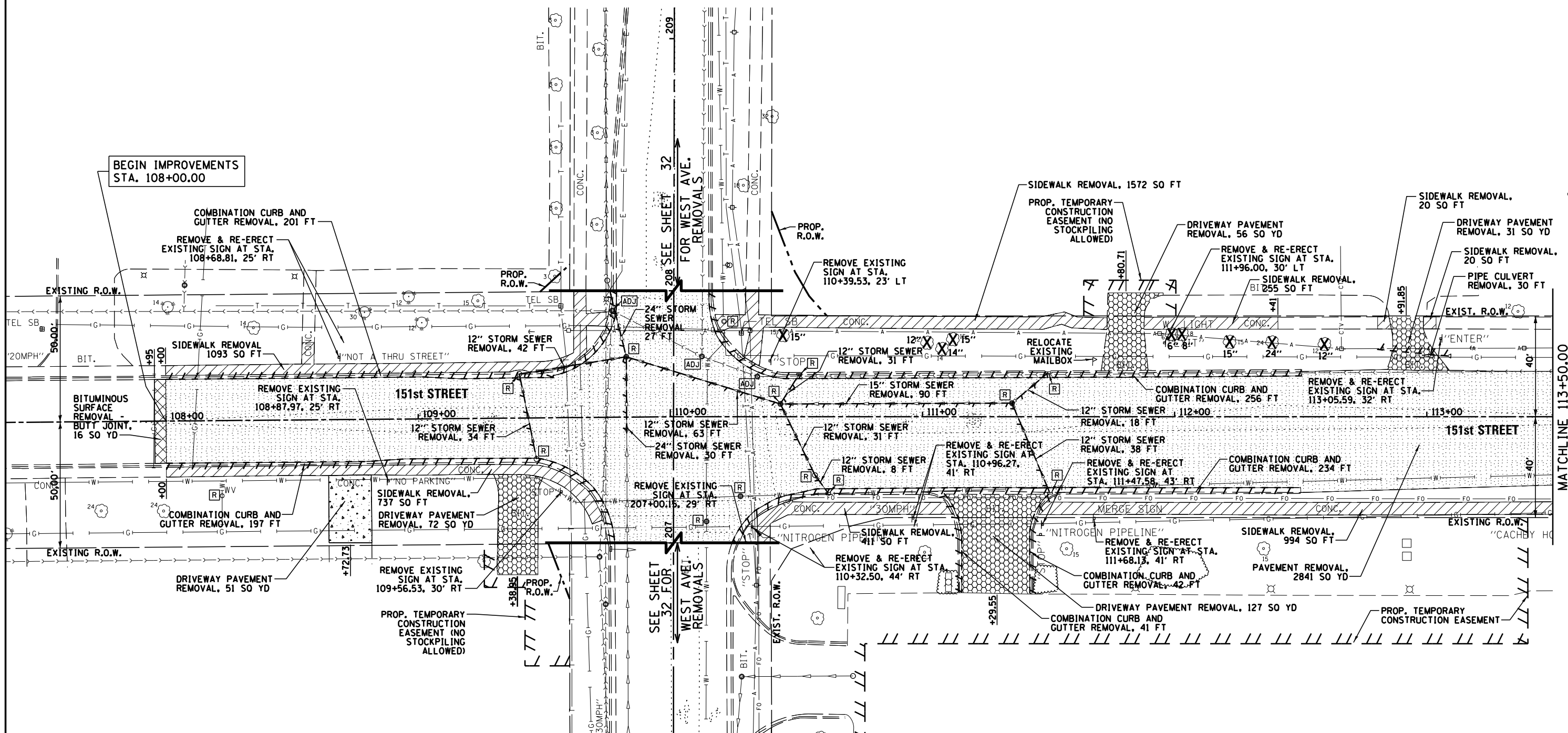
PROP. CURVE SECORNER-1  
 PI STA. = 203+40.92  
 $\Delta = 5^\circ 17' 45''$  (RT)  
 $D = 184^\circ 37' 15''$   
 $R = 31.03'$   
 $T = 1.44'$   
 $L = 2.87'$   
 $E = 0.03'$   
 $e = \text{NORMAL CROWN}$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA = 203+39.48$   
 $P.T. STA = 203+42.35$

PROP. CURVE SECORNER-3  
 PI STA. = 206+96.81  
 $\Delta = 77^\circ 27' 28''$  (RT)  
 $D = 95^\circ 29' 35''$   
 $R = 60.00'$   
 $T = 48.12'$   
 $L = 81.11'$   
 $E = 16.91'$   
 $e = \text{NORMAL CROWN}$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA = 206+48.70$   
 $P.C.C. STA = 207+29.81$

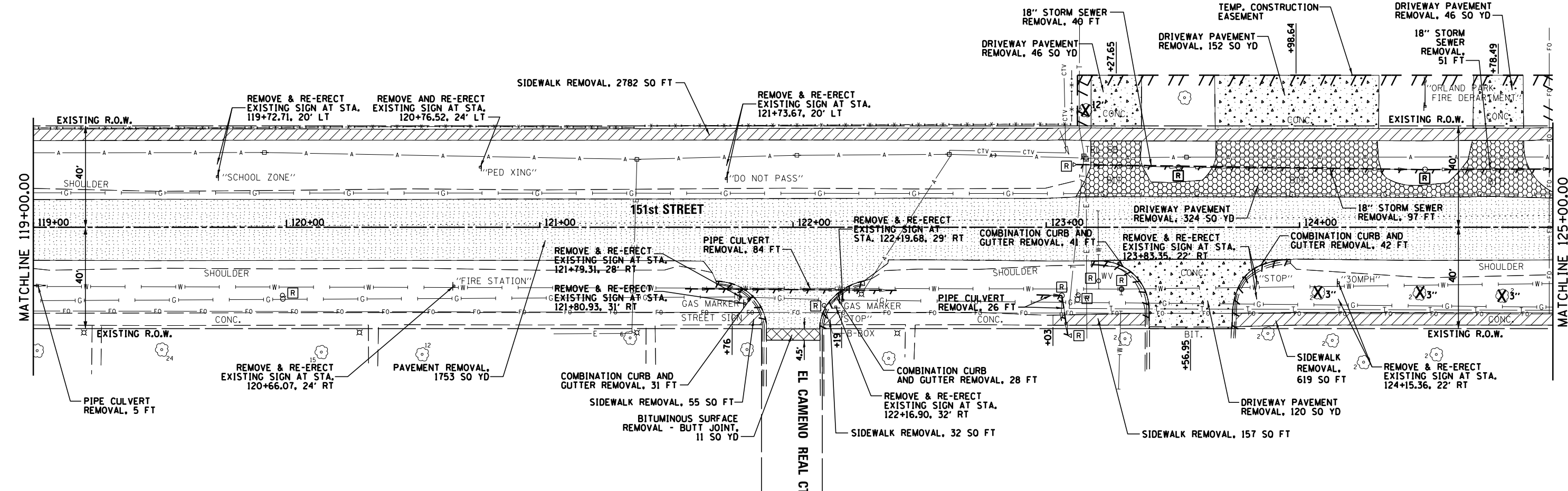
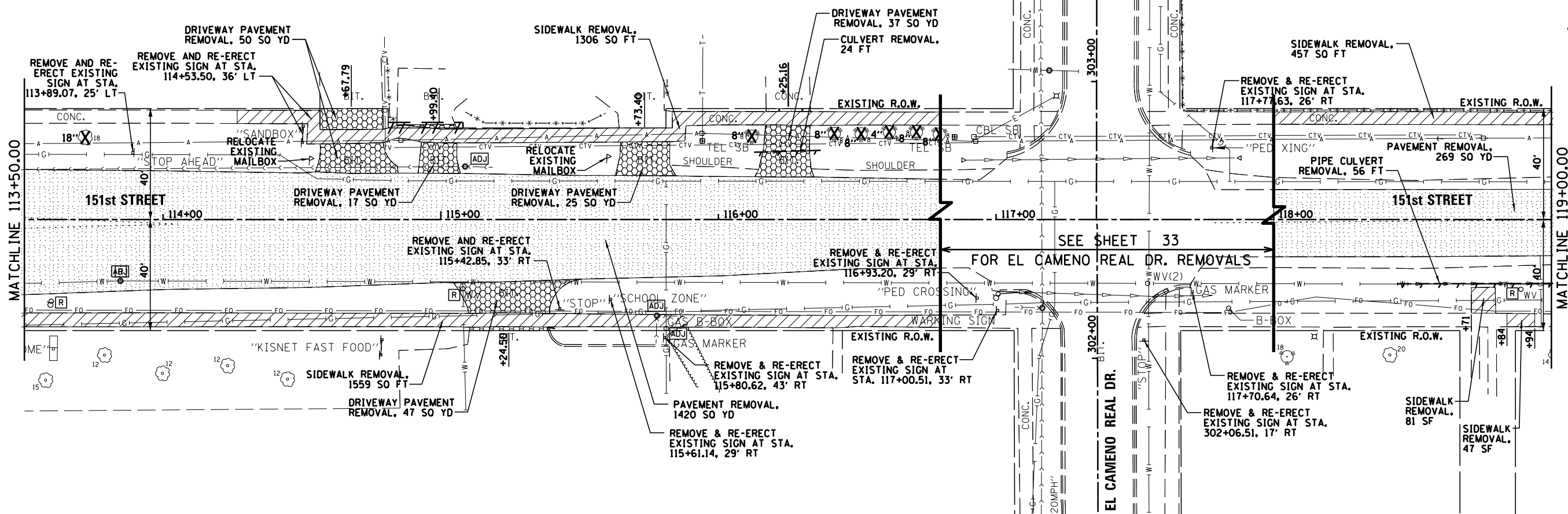
PROP. CURVE SECORNER-2  
 PI STA. = 206+02.70  
 $\Delta = 9^\circ 08' 40''$  (LT)  
 $D = 18^\circ 07' 54''$   
 $R = 316.00'$   
 $T = 25.27'$   
 $L = 50.43'$   
 $E = 1.01'$   
 $e = \text{NORMAL CROWN}$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA = 205+77.43$   
 $P.T. STA = 206+27.86$

PROP. CURVE SECORNER-4  
 PI STA. = 207+74.40  
 $\Delta = 20^\circ 13' 29''$  (RT)  
 $D = 22^\circ 55' 06''$   
 $R = 250.00'$   
 $T = 44.59'$   
 $L = 88.25'$   
 $E = 3.94'$   
 $e = \text{NORMAL CROWN}$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C.C. STA = 207+29.81$   
 $P.T. STA = 208+18.06$

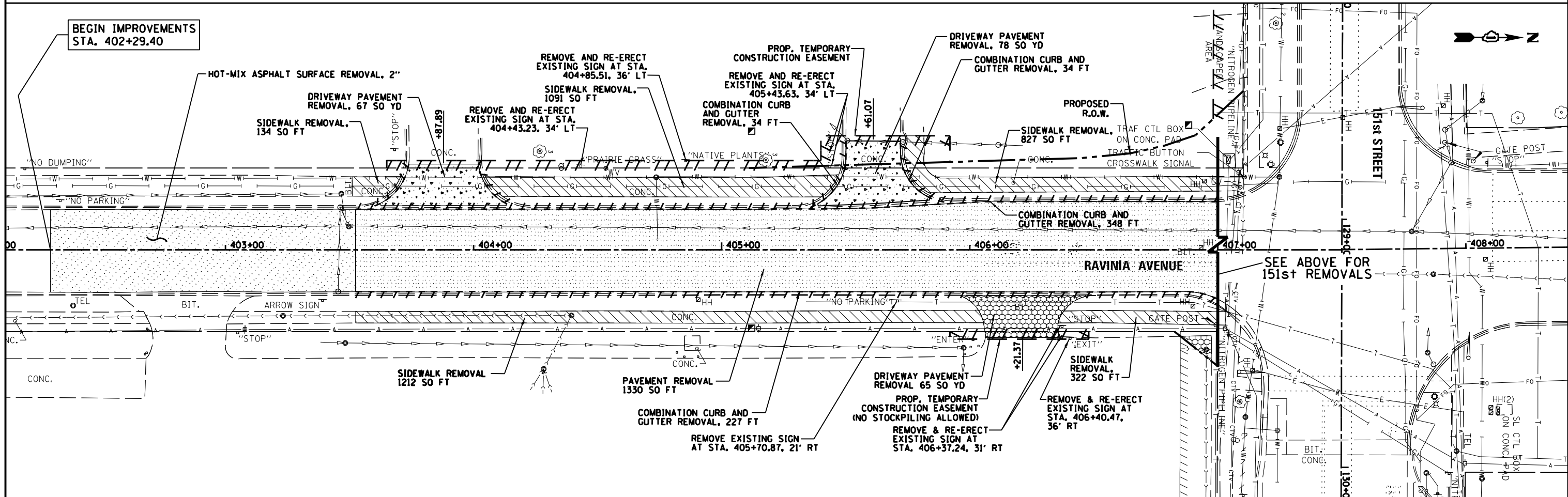
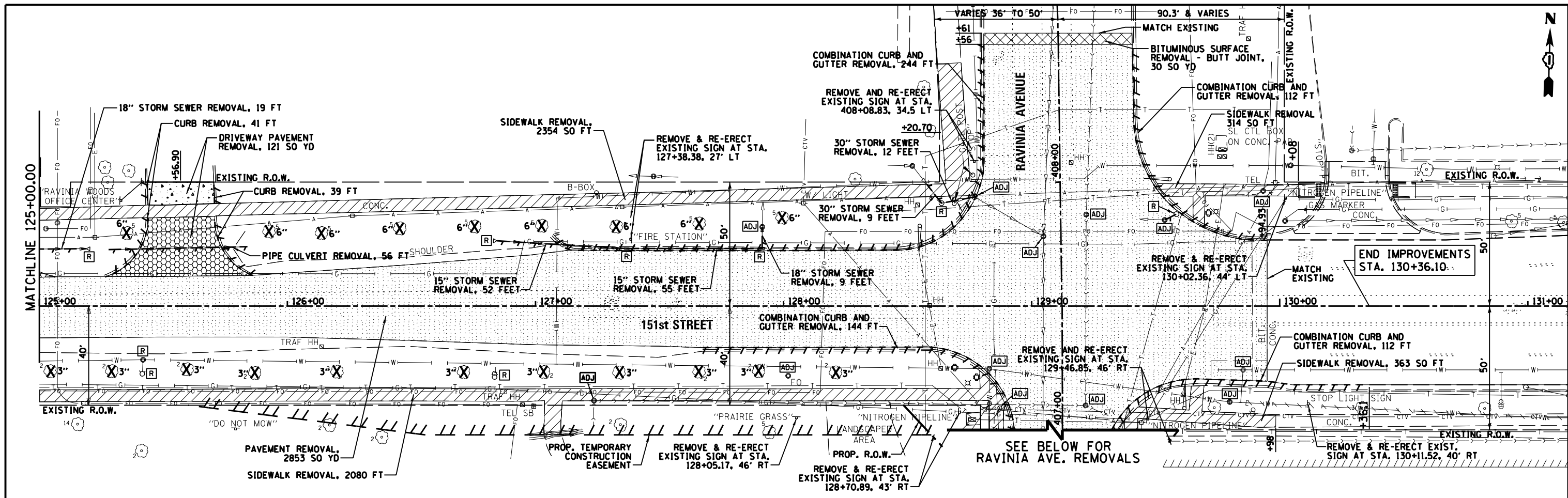
FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>151ST STREET WEST AVENUE TO RAVINIA AVENUE ALIGNMENT, TIES AND BENCHMARKS ROUNDABOUT BASELINE PLAN</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ORLANDPARK\1502722.ph2\Consultants\10101	Cadd\Deliverable\0161F86-sh1-atb04.dgn	DRAWN -	REVISED -			1603/3000	13-00071-00-WR	COOK	162	28
Default	PLOT SCALE = 100'	CHECKED -	REVISED -			<b>CONTRACT NO. 61F86</b>				
	PLOT DATE = 7/11/2019	DATE -	REVISED -			SCALE: NONE	SHEET 4	OF 4 SHEETS	STA. 106+00	TO STA. 120+00



FILE NAME = N:\ORLANDPARK\150272.ph2\Consultants\1007\Cadd_Deliverable\151F86-shr-rem01.dgn	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING CONDITIONS AND REMOVAL PLAN</b>			F.A.U. RTE. = 1603	SECTION = 13-00071-00-WR	COUNTY = COOK	TOTAL SHEETS = 162	SHEET NO. = 29
Default	PLOT SCALE = 48"	CHECKED -	REVISED -		<b>151st STREET</b>			<b>CONTRACT NO. 61F86</b>				
	PLOT DATE = 7/11/2019	DATE -	REVISED -		SCALE: 1" = 20'			SHEET 1 OF 5 SHEETS STA. 108+00.00 TO STA. 113+50.00				
ILLINOIS FED. AID PROJECT												

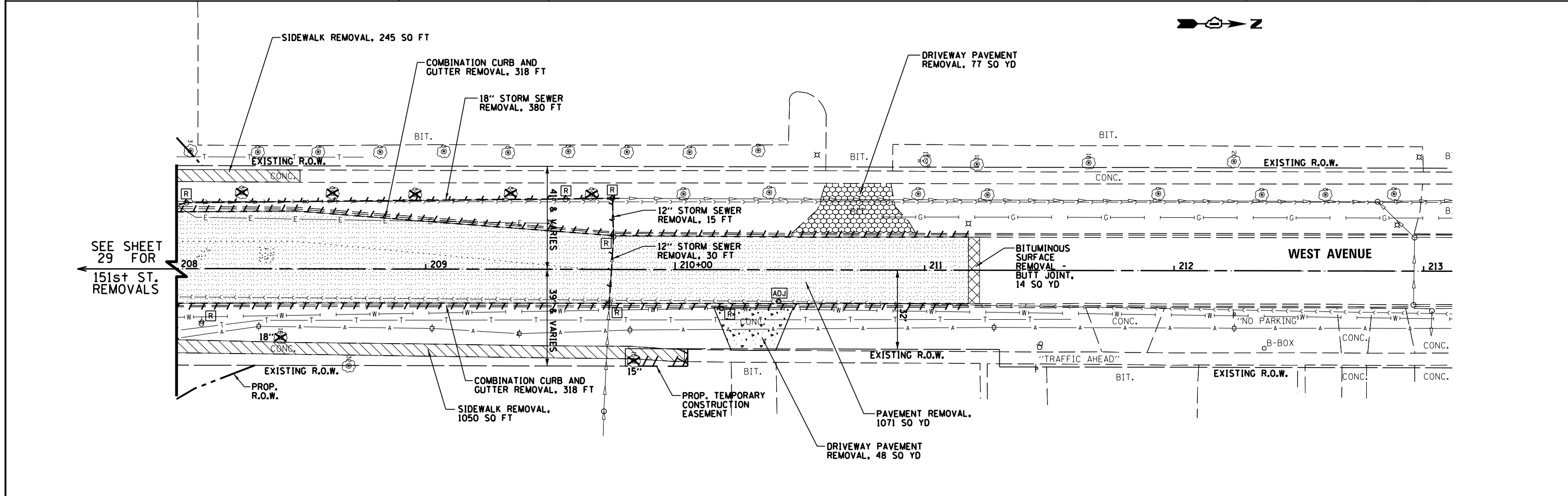
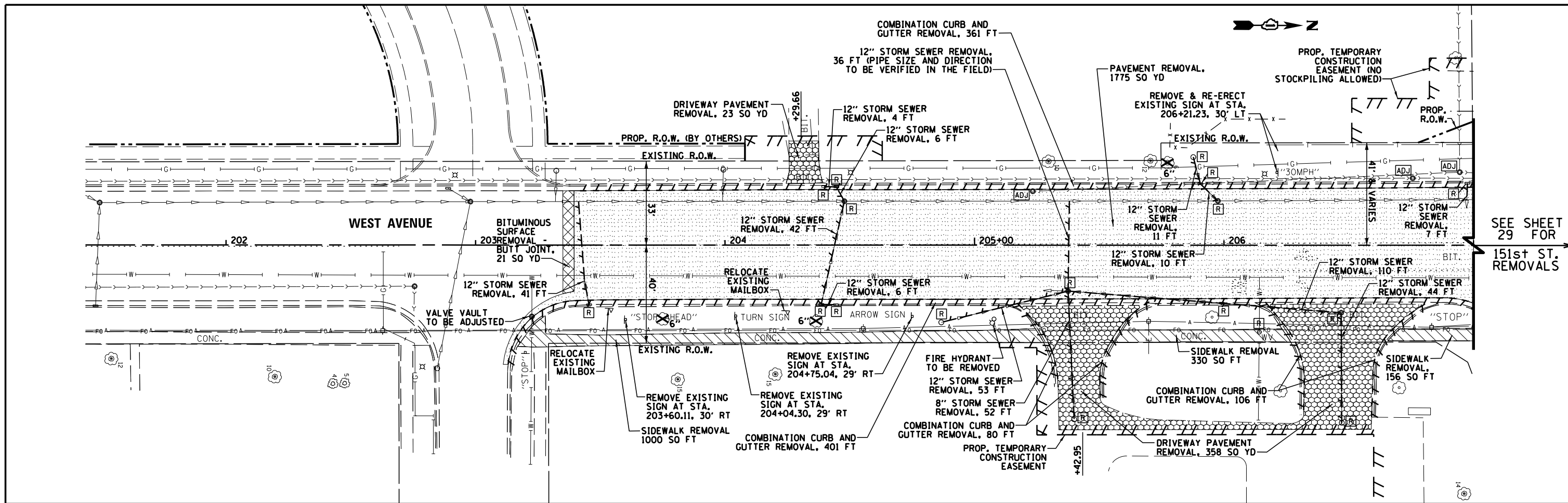


FILE NAME = N:\ORLANDPARK\150272.ph2\Consultants\100\Cadd\Deliverable\161F86-sht-rem02.dgn	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING CONDITIONS AND REMOVAL PLAN</b>			F.A.U. R.T.E. = 1603	SECTION = 13-00071-00-WR	COUNTY = COOK	TOTAL SHEETS = 162	SHEET NO. = 30
Default	PLOT SCALE = 48"	CHECKED -	REVISED -		<b>151st STREET</b>			CONTRACT NO. 61F86				
	PLOT DATE = 7/11/2019	DATE -	REVISED -		SCALE: 1" = 20'			SHEET 1 OF 5 SHEETS STA. 113+50.00 TO STA. 125+00.00				
					ILLINOIS FED. AID PROJECT							

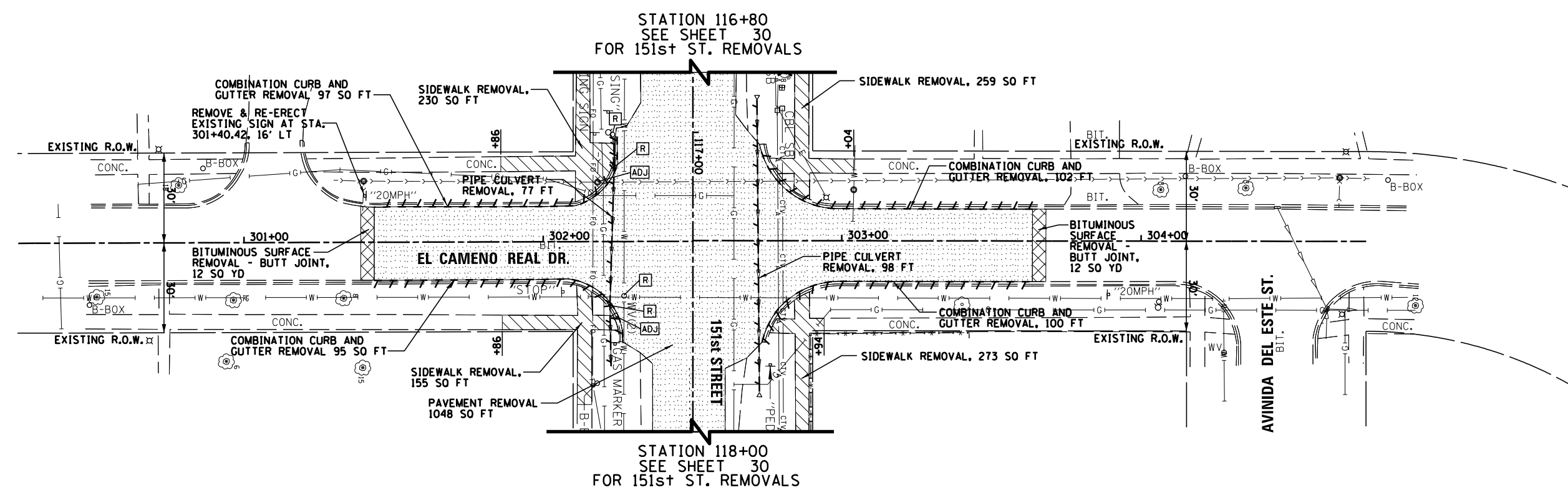


FILE NAME =	USER NAME = vreach	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING CONDITIONS AND REMOVAL PLAN 151st STREET AND RAVINIA AVE</b>	F.A.U. RT. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ORLANDPARK\150272.ph2\Consultants\100\Cadd_Deliverable\161F86-sht-rem03.dgn		DRAWN -	REVISED -			603/1709	13-00071-00-WR	COOK	162	31
Default		CHECKED -	REVISED -			CONTRACT NO. 61F86				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				





FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING CONDITIONS AND REMOVAL PLAN WEST AVE</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ORLANDPARK\150272.ph2\Consultants\100\Cadd\Deliverable\1616F86-shr-rem04.dgn		DRAWN -	REVISED -			603/1709	13-00071-00-WR	COOK	162	32
Default		CHECKED -	REVISED -			CONTRACT NO. 61F86				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



STATION 116+80  
SEE SHEET 30  
FOR 151st ST. REMOVALS

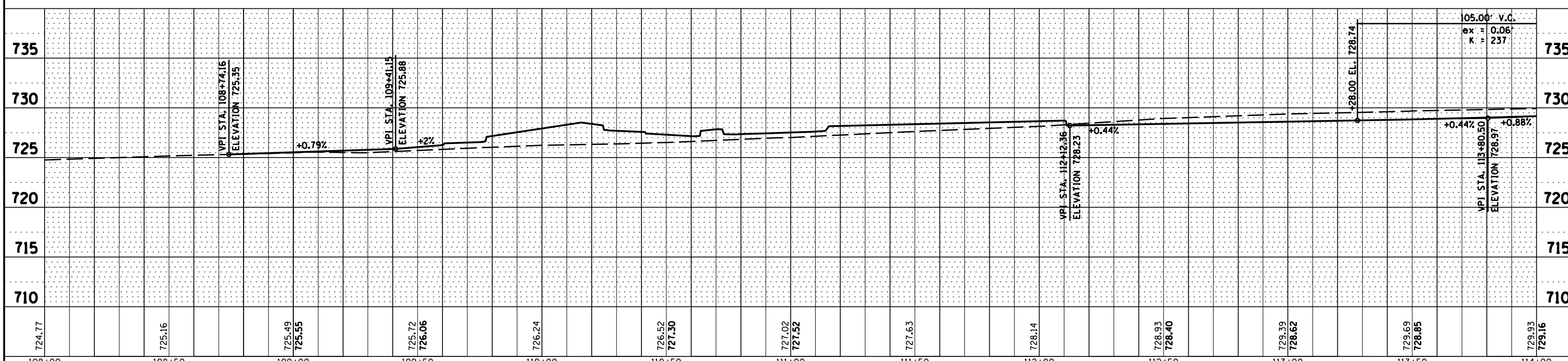
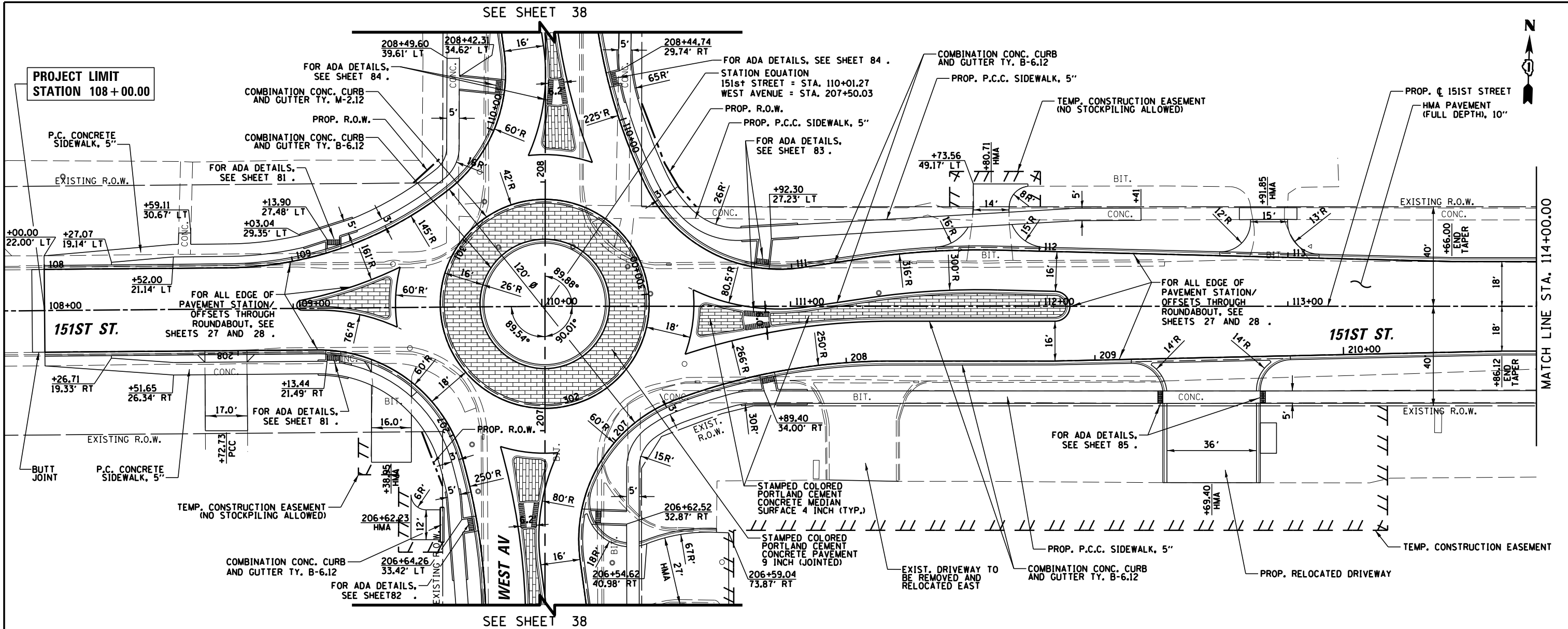
STATION 118+00  
SEE SHEET 30  
FOR 151st ST. REMOVALS

FILE NAME = N:\ORLANDPARK\150272.ph2\Consultants\100	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING CONDITIONS AND REMOVAL PLAN EL CAMENO REAL DRIVE</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	Cadd_Deliverable\0161F86-shr-rem05.dgn	DRAWN -	REVISED -					0359	13-00071-00-WR	COOK	162	33	
Default	PLOT SCALE = 48"	CHECKED -	REVISED -	SCALE: 1" = 20'			SHEET 5 OF 5 SHEETS			STA. 301+43.51 TO STA. 303+63.70		CONTRACT NO. 61F86	
	PLOT DATE = 7/11/2019	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									



DATE	
BY	
PLAN	SURVEYED
	ALIGNED
	NOTED
	FILED
	NO.

DATE	
BY	
PROFILE	SURVEYED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NO.



FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -
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	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 7/11/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

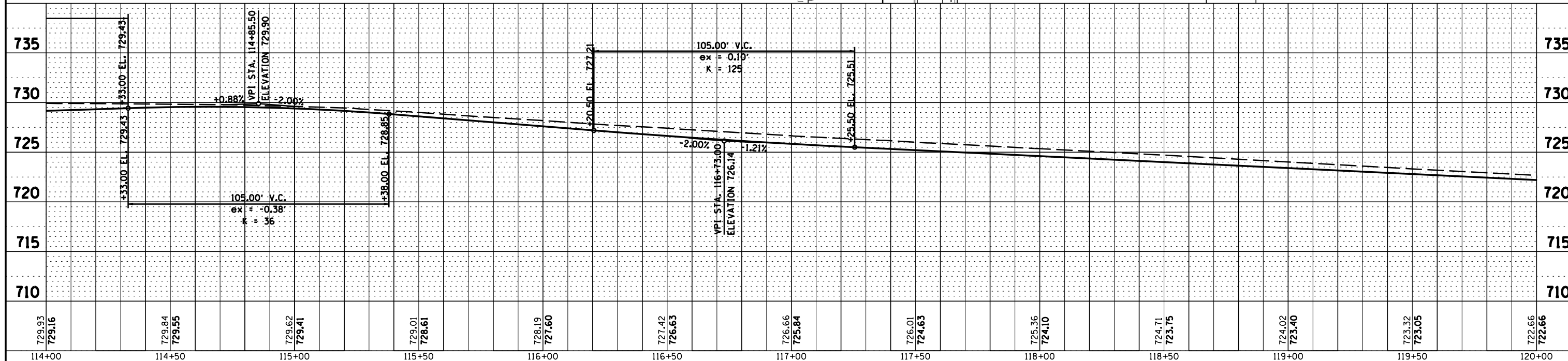
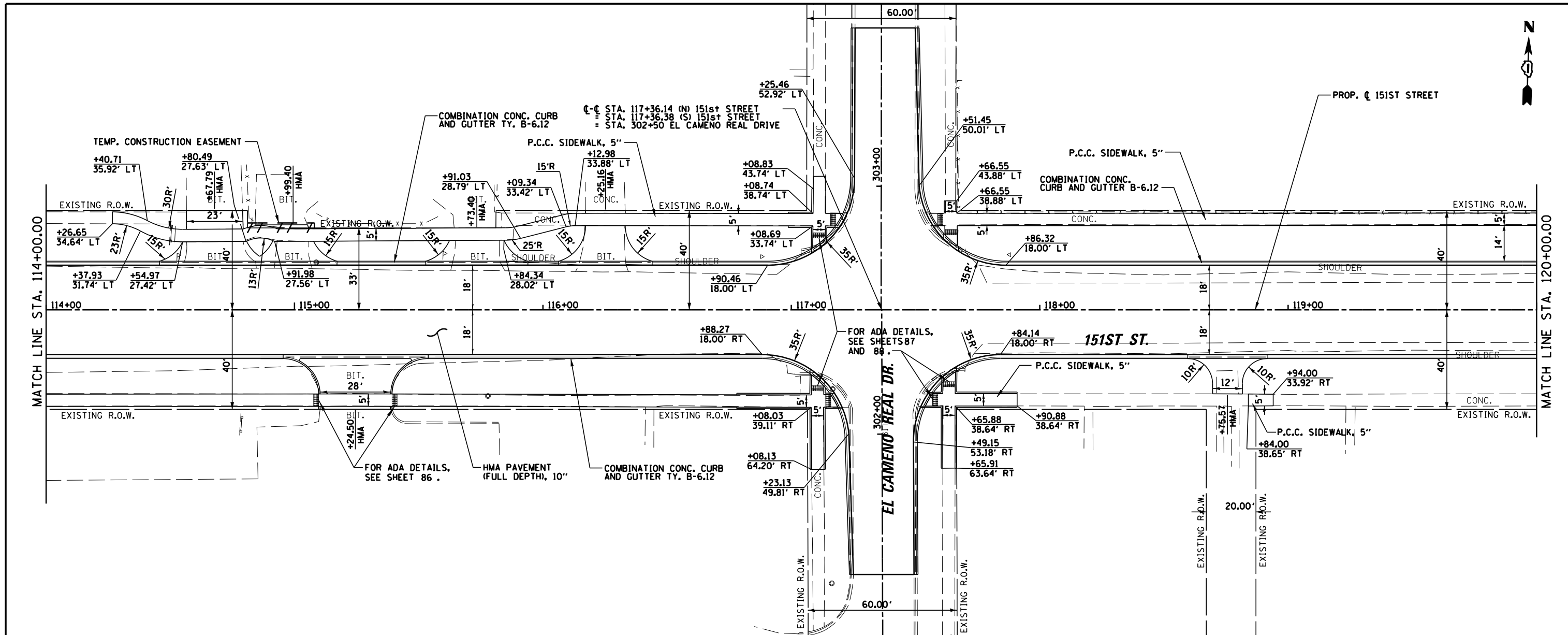
PLAN AND PROFILE  
151st STREET

SCALE: 20H 5V SHEET 1 OF 9 SHEETS STA. 108+59.00 TO STA. 114+00.00

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1603	13-00071-00-WR	COOK	162	34
CONTRACT NO. 61F86			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CPWD	



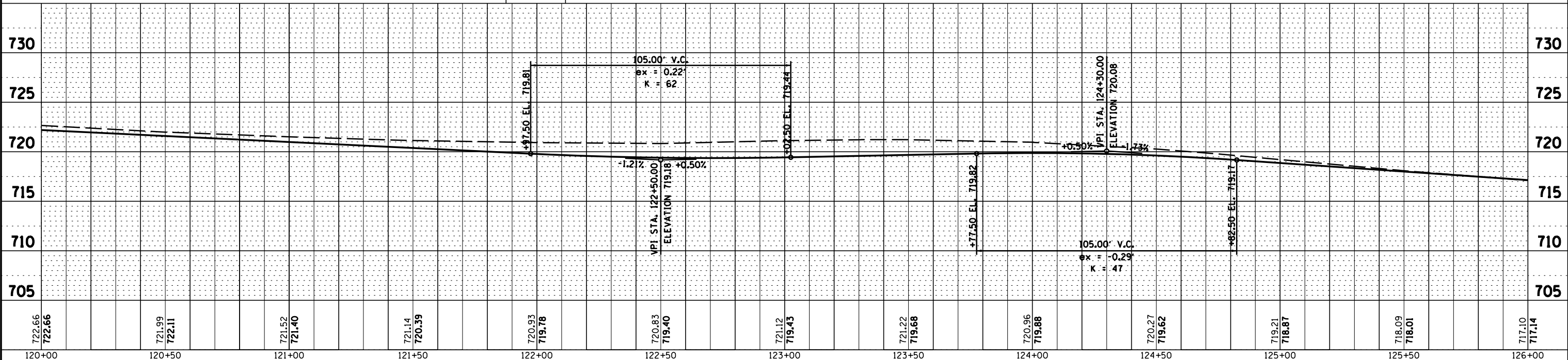
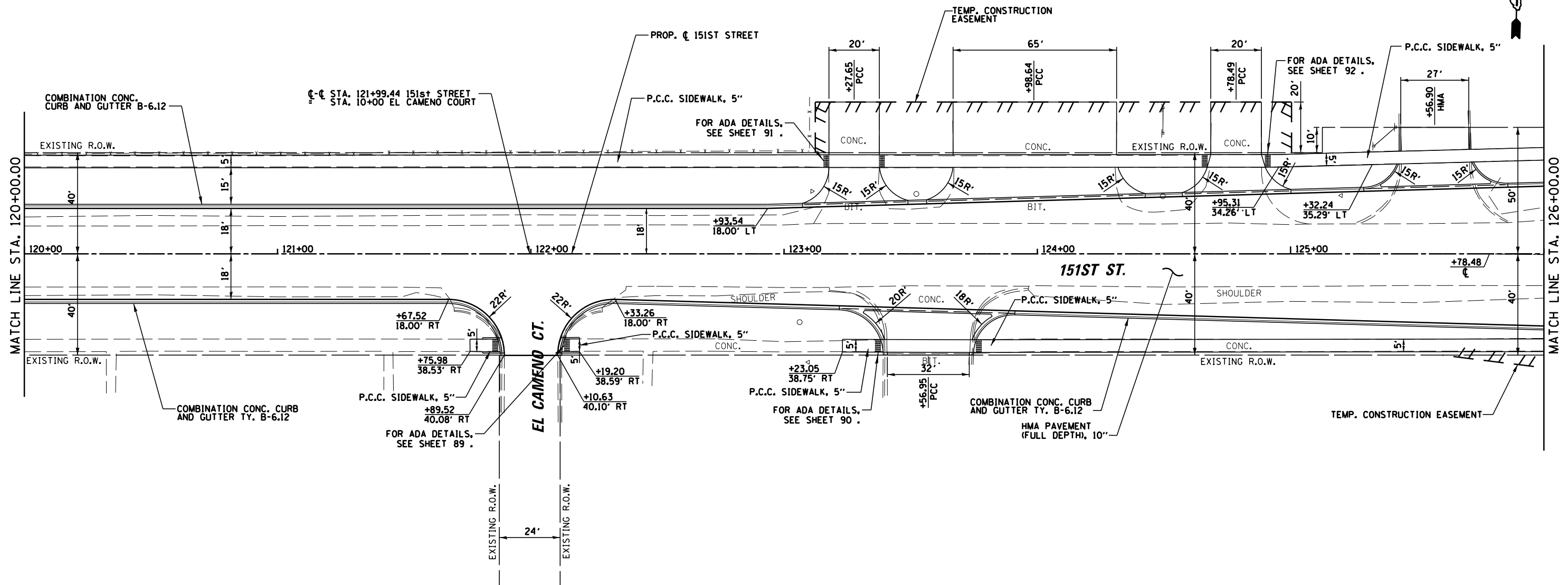
FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE 151st STREET</b>		F.A.U. RT. 1603	SECTION 13-00071-00-WR	COUNTY COOK	TOTAL SHEETS 162	SHEET NO. 35
N:\ORLANDPARK\1502722_ph2\Consultants\1001\Cadd_Deliverable\DI61F86-sht-plnprf02.dgn		DRAWN -	REVISED -		SCALE: 20H 5V	SHEET 2 OF 9 SHEETS	STA. 114+00.00 TO STA. 120+00.00	<b>CONTRACT NO. 61F86</b>		ILLINOIS FED. AID PROJECT	
		CHECKED -	REVISED -								
		DATE -	REVISED -								

ORLAND FIRE PROTECTION DISTRICT



PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	



FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -
N:\ORLANDPARK\1502722.ph2\Consultants\100T	Cadd_Deliverable\DI61F86-shr-plnprf03.dgn	DRAWN -	REVISED -
Default	PLOT DATE = 7/11/2019	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
151st STREET

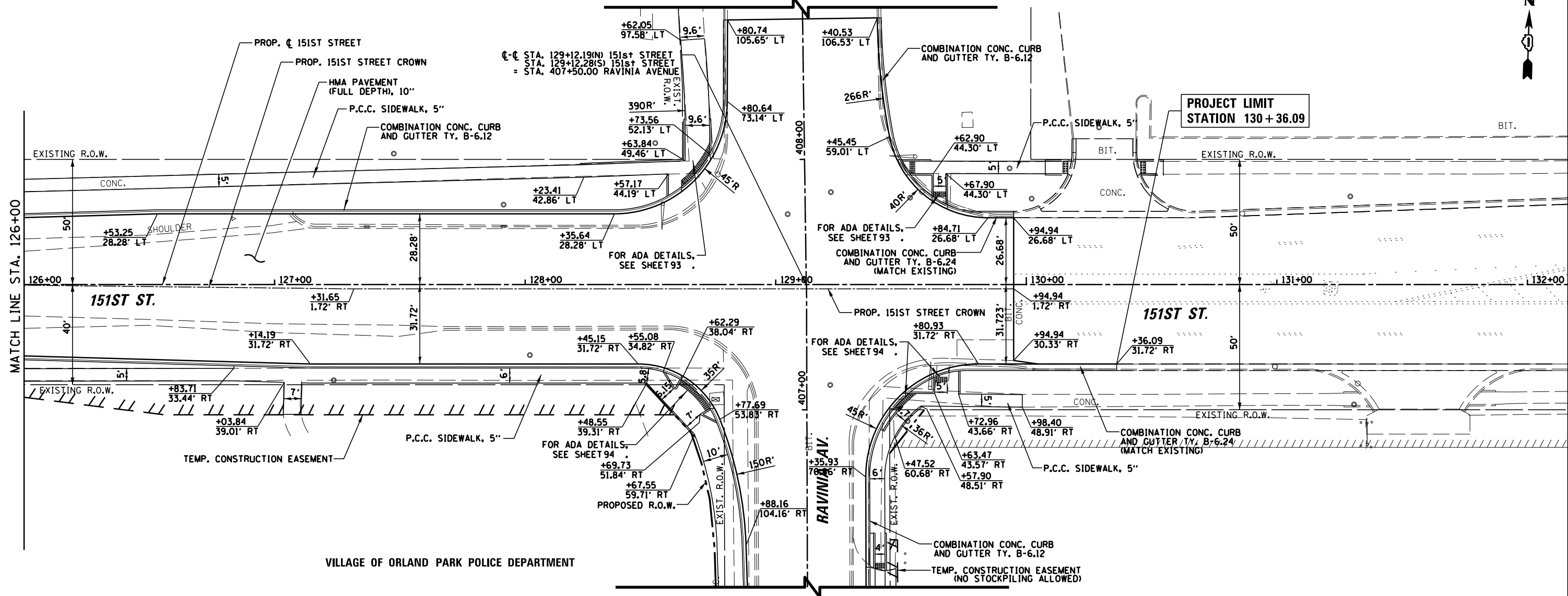
SCALE: 20H 5V SHEET 3 OF 9 SHEETS STA. 120+00.00 TO STA. 126+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1603	13-00071-00-WR	COOK	162	36
CONTRACT NO. 61F86				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

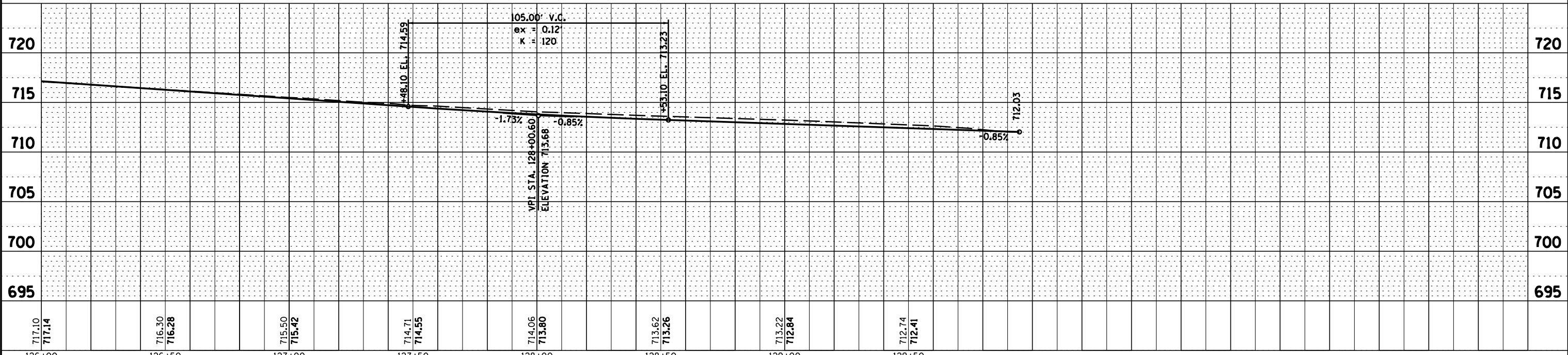
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

SEE SHEET 42



VILLAGE OF ORLAND PARK POLICE DEPARTMENT

SEE SHEET 41

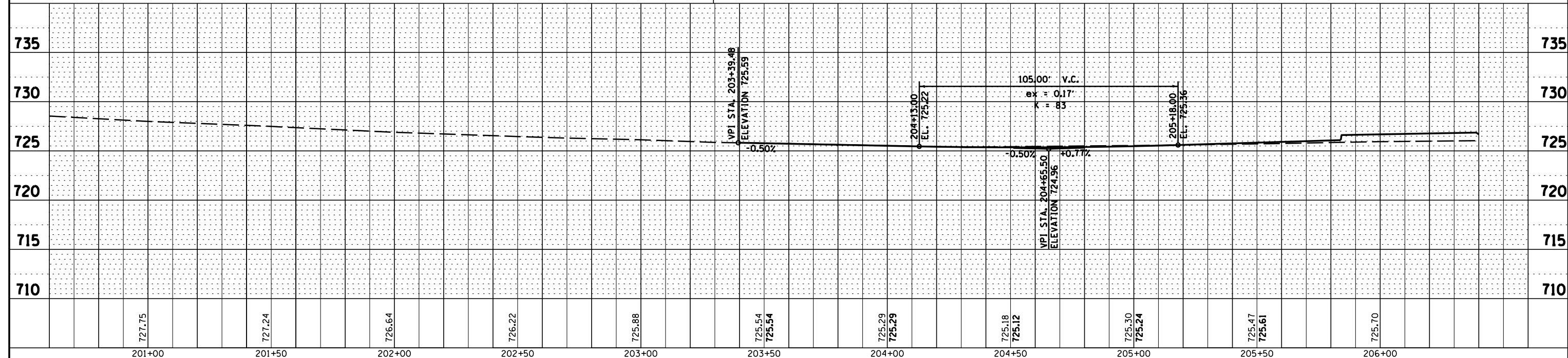
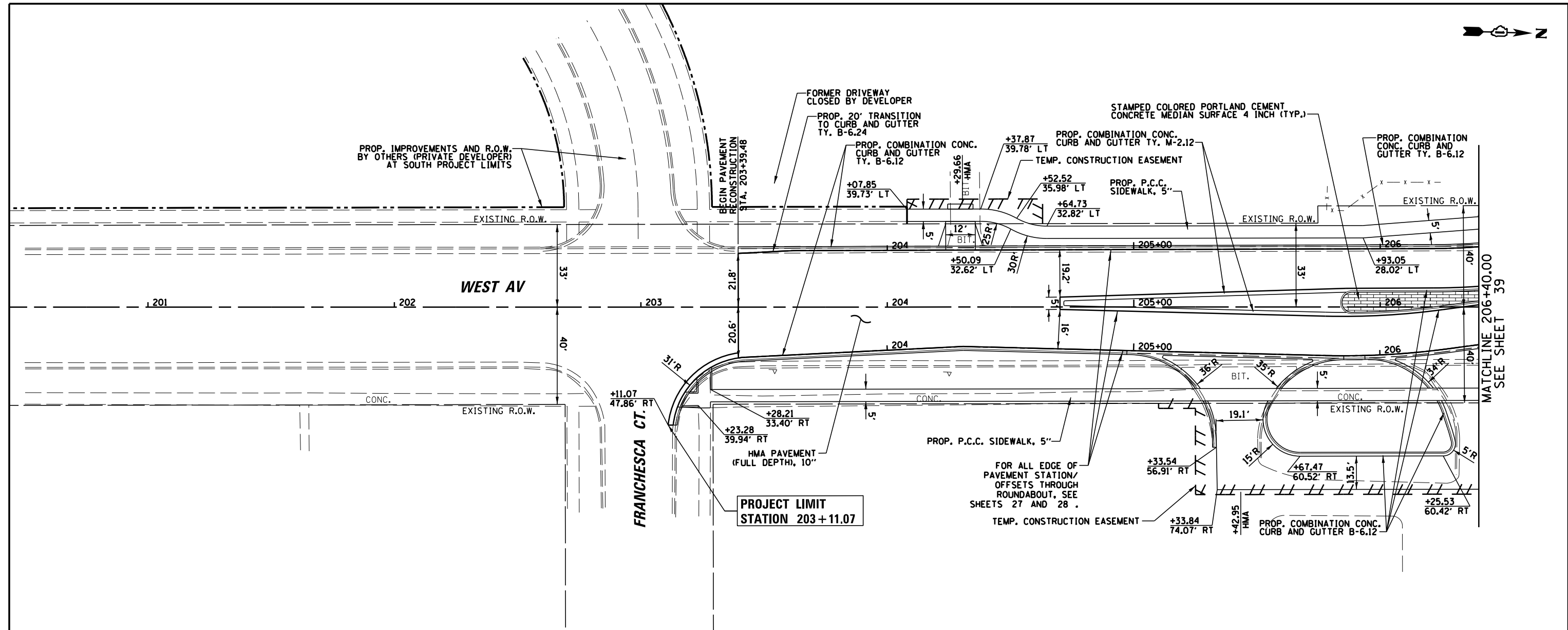


FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE 151st STREET</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ORLANDPARK\1502722_ph2\Consultants\1D0T\Cadd\Deliverable\DI61F86-sht-plnprf04.dgn		DRAWN -	REVISED -			1603	13-00071-00-WR	COOK	162	37
PLOT SCALE = 48"		CHECKED -	REVISED -			<b>CONTRACT NO. 61F86</b>				
PLOT DATE = 7/11/2019		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	

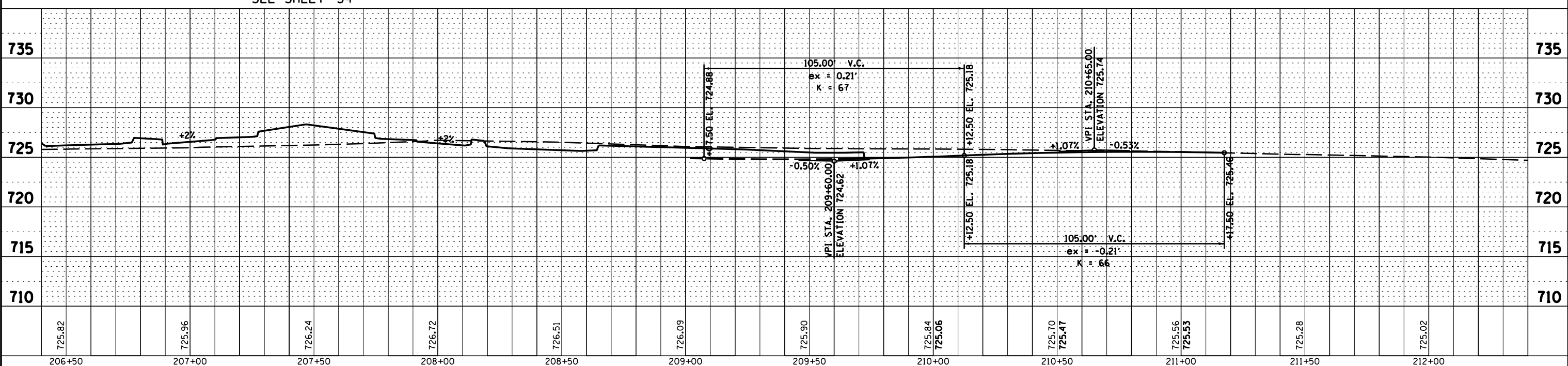
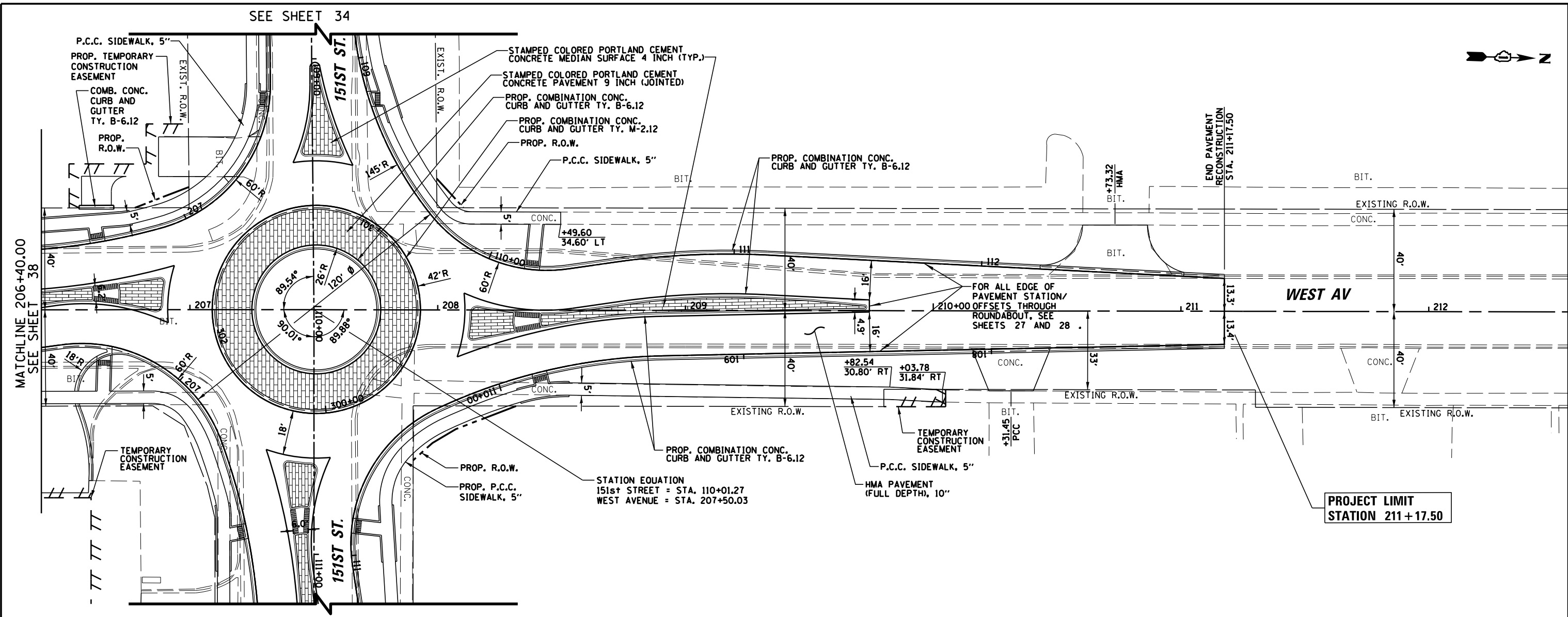


FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE</b> <b>WEST AVENUE</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ORLANDPARK\150272.ph2\Consultants\1001\Cadd_Deliverable\0161F86-shr-plnprf05.dgn		DRAWN -	REVISED -			2705	13-00071-00-WR	COOK	162	38
PLOT SCALE = 48"		CHECKED -	REVISED -			CONTRACT NO. 61F86				
Default		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

MATCHLINE 206+40.00  
SEE SHEET 39

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

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS	
	CPAD	
	NO.	

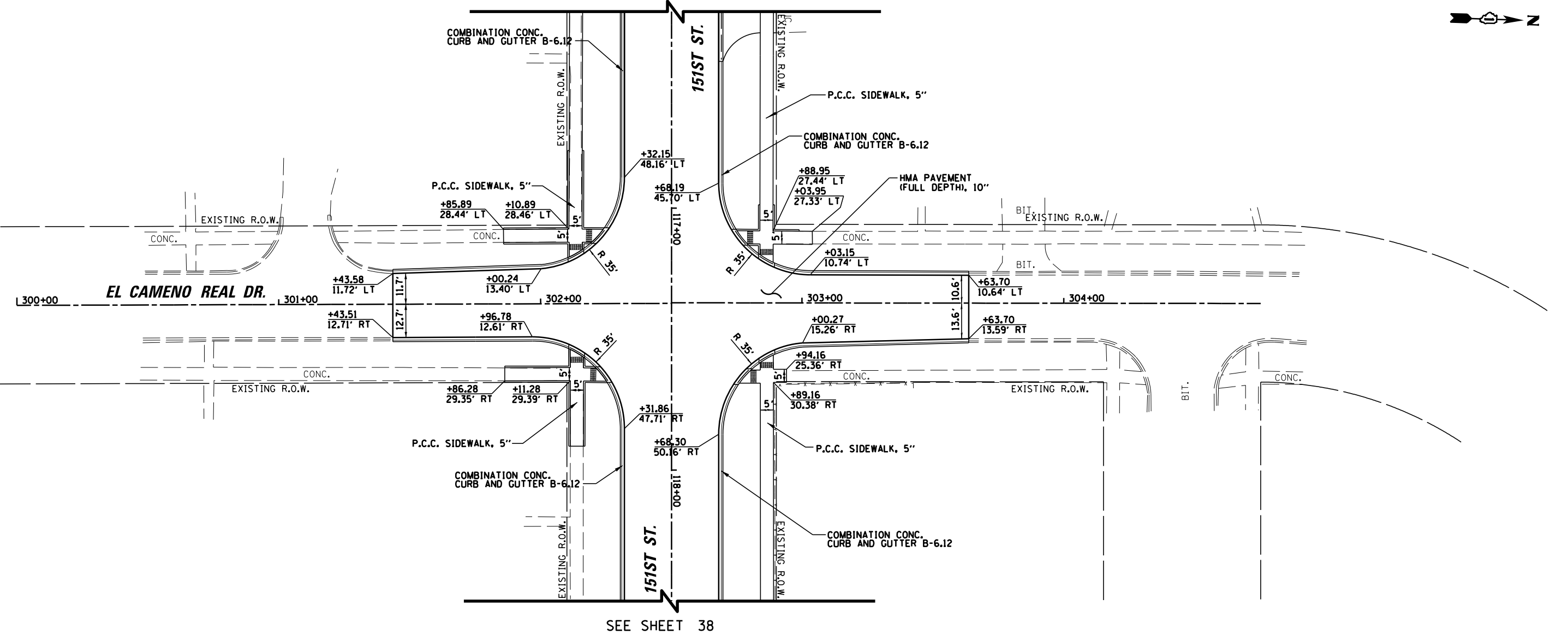


FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE</b> <b>WEST AVENUE</b>	F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ORLANDPARK\1502722_ph2\Consultants\1001	Cadd_Deliverable\DI61F86-shd-plnprf06.dgn	DRAWN -	REVISED -			2705	13-00071-00-WR	COOK	162	39
PLOT SCALE = 48'	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 61F86				
Default	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT				

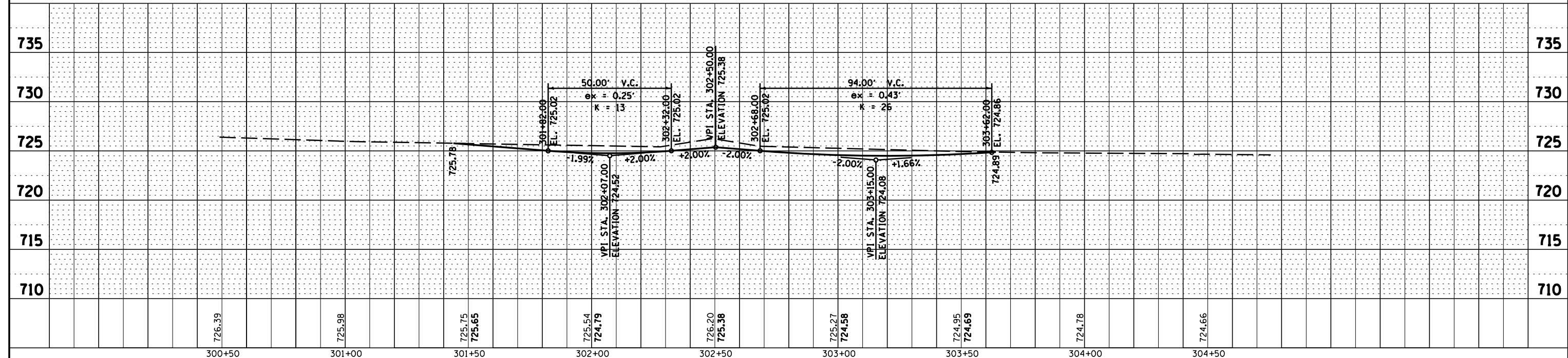
SCALE: 20H 5V SHEET 6 OF 9 SHEETS STA. 206+40.00 TO STA. 212+00.00



SEE SHEET 38



SEE SHEET 38



PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

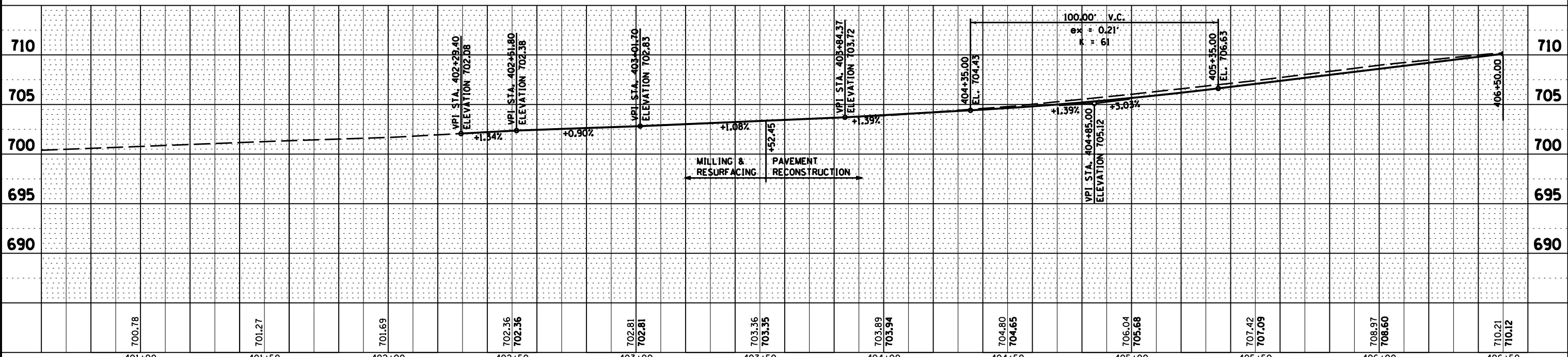
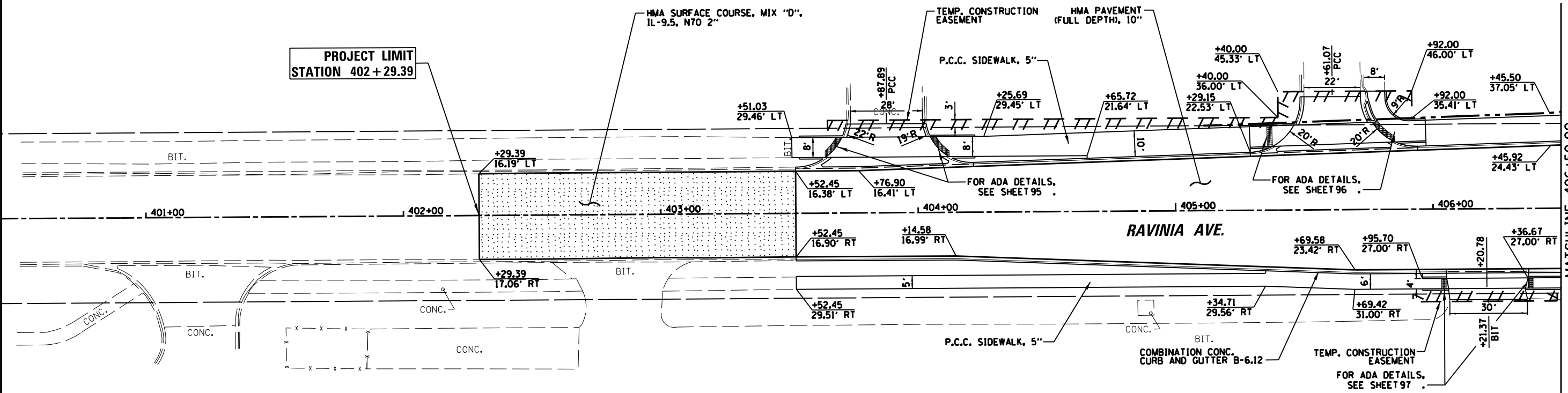
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N:\ORLANDPARK\1502722.ph2\Consultants\100T\Cadd\Deliverable\DI61F86-shr-plnprf07.dgn		DRAWN -	REVISED -		SCALE: 20H 5V	SHEET 7 OF 9 SHEETS	STA. 301+43.51 TO STA. 303+63.70	0359	13-00071-00-WR	COOK	162	40
PLOT SCALE = 48"		CHECKED -	REVISED -								<b>CONTRACT NO. 61F86</b>	
Default		DATE -	REVISED -								ILLINOIS FED. AID PROJECT	



DATE	
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FILE NAME =	USER NAME = vreach	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE</b> <b>RAVINIA AVENUE</b>	F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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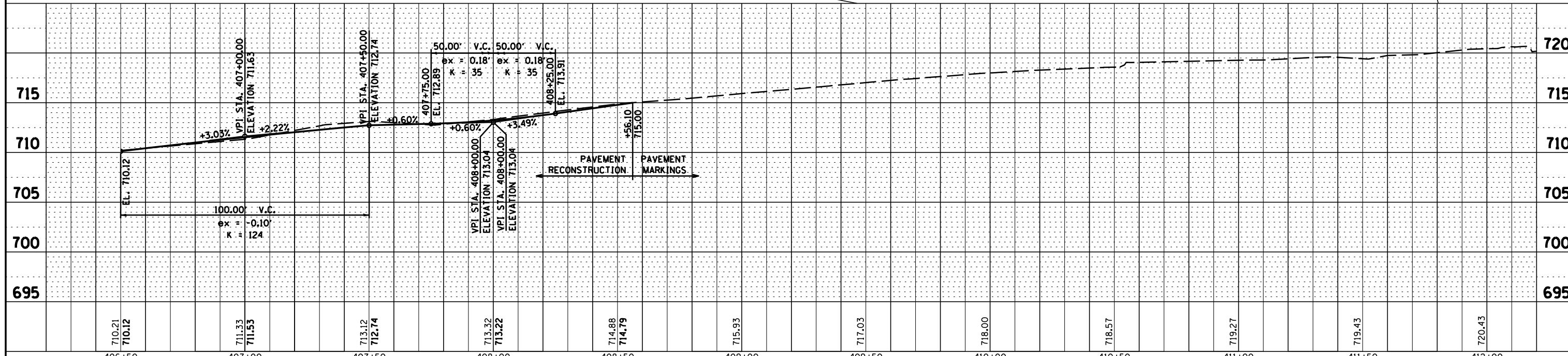
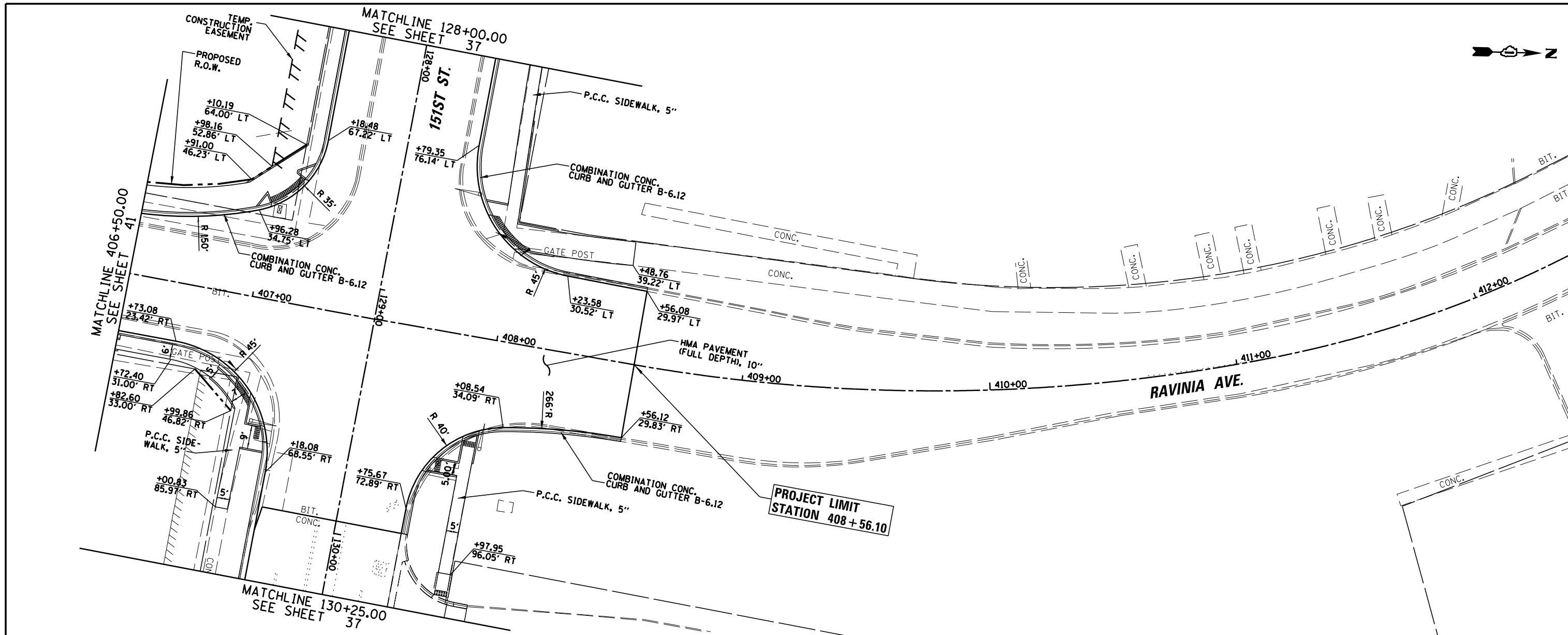
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MATCHLINE 406+50.00 SEE SHEET 42



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

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NO. _____	
	STRUCTURE	
	NOTATIONS CHECKED	
	NO. _____	



FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE RAVINIA AVENUE</b>		F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 48"		CHECKED -	REVISED -				<b>CONTRACT NO. 61F86</b>				
PLOT DATE = 7/11/2019		DATE -	REVISED -				ILLINOIS FED. AID PROJECT				

# MOT GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF ORLAND PARK AT 708-403-6150 AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK AND COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ANY OTHER ROADWAY PROJECTS WITHIN THE AREA THAT ARE UNDER CONSTRUCTION AT THE SAME TIME.
- THE CONTRACTOR WILL COORDINATE THE INSTALLATION OF ALL PERMANENT TRAFFIC SIGNAL EQUIPMENT AND APPURTENANCES PER STAGE.
- LEFT TURN LANES SHALL BE MAINTAINED AT SIGNALIZED INTERSECTIONS AT ALL TIMES, EXCEPT DURING SUBSTAGE WORK. DURING SUBSTAGES, THE CONTRACTOR WILL BE ALLOWED TO CLOSE ONE SIGNALIZED LEFT TURN LANE AT A TIME.
- THE CONTRACTOR SHALL MAINTAIN A 4 FOOT (MINIMUM) SHOULDER ALONG THE TRAFFIC LANE ADJACENT TO THE WORK ZONE. THIS SHOULDER SHALL BE EXISTING PAVEMENT, PROPOSED PAVEMENT, TEMPORARY PAVEMENT OR COMPACTED/STABILIZED MATERIAL TO BE ULTIMATELY USED AS AGGREGATE SUBGRADE IMPROVEMENT 12". THE COST OF THIS WORK IS INCLUDED IN TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- DURING THE CONSTRUCTION OF TEMPORARY PAVEMENT THAT IS ADJACENT TO TRAVEL LANES, THE CONTRACTOR MAY NEED TO IMPLEMENT IDOT STANDARD 701501. IF REQUIRED, THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL). THE CONTRACTOR SHALL WORK EXPEDITIOUSLY TO OPEN TRAFFIC LANES CLOSED DUE TO ROADWORK. THE ENGINEER WILL BE THE SOLE JUDGE OF WHEN A LANE IS READY TO BE OPENED TO TRAFFIC. THE OPENING OF THE LANE TO TRAFFIC WILL BE IN ACCORDANCE WITH SECTION 107.29 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- ROADWORK REQUIRING A CLOSURE OF A LANE, WHICH HAS BEEN OPENED PREVIOUSLY TO TRAFFIC, WILL BE ALLOWED AT THE DISCRETION OF THE ENGINEER AND UNDER THE FOLLOWING CONDITIONS:
  - THE LANE CLOSURE SHALL ONLY BE IN EFFECT WHILE WORKERS ARE PRESENT IN OR NEAR THE CLOSED LANE.
  - THE CLOSED LANE WILL BE REOPENED TO TRAFFIC AT THE END OF THE WORKDAY.
  - ALL TRAFFIC CONTROL DEVICES PERTAINING TO THE LANE CLOSURE SHALL BE REMOVED FROM THE ROADWAY AT THE END OF THE WORKDAY.
- ALL AREAS UNDERCUT FOR AGGREGATE SUBGRADE IMPROVEMENT SHALL NOT BE LEFT UNFILLED OVERNIGHT. DROP-OFFS GREATER THAN 24 INCHES SHALL NOT BE LEFT UNFILLED OVERNIGHT.
- DRIVEWAY ACCESS AND ACCESS TO SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES THROUGH THE USE OF "TEMPORARY ACCESS (PRIVATE ENTRANCE)" AND "TEMPORARY ACCESS (COMMERCIAL ENTRANCE)" AND "TEMPORARY ACCESS (ROAD)". ALL COMMERCIAL DRIVEWAYS AND SIDE ROADS SHALL BE CONSTRUCTED IN STAGES, ONE HALF AT A TIME. SHOULD ANY DRIVEWAY WORK OR SIDE ROAD WORK REMAIN UNFINISHED PRIOR TO WINTER, THE CONTRACTOR SHALL REMOVE THE TOP TWO INCHES OF AGGREGATE AND REPLACE THEM WITH HMA. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR TEMPORARY ACCESS (WINTERIZE).
- IN ADDITION TO THE ABOVE REQUIREMENTS, THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING REGARDING WORK AT THE COMMERCIAL CENTER IN THE SOUTHEAST CORNER AT 151<sup>ST</sup>/WEST:
  - AT LEAST ONE OF THE TWO DRIVEWAYS ONTO WEST AVE. SHALL BE PAVED AND OPEN TO TWO-WAY TRAFFIC AT ALL TIMES DURING CONSTRUCTION.
  - THE REPLACEMENT 151<sup>ST</sup> ST. DRIVEWAY AT STA. 112+69.38 RT SHALL BE PAVED AND OPEN TO TWO-WAY TRAFFIC PRIOR TO CLOSING AND REMOVING THE EXISTING 151<sup>ST</sup> ST. DRIVEWAY AT STA. 111+29.56 RT.
  - THE 151<sup>ST</sup> ST. DRIVEWAY AT STA. 115+24.50 RT MUST BE REPLACED ONE HALF AT A TIME PER NOTE 10.

- THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKINGS WHICH CONFLICT WITH TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH ARTICLE 783.03. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL – WATER BLASTING, AND REMOVAL OF ANY TEMPORARY PAVEMENT MARKINGS SHALL BE PAID FOR AS TEMPORARY PAVEMENT MARKING REMOVAL.
- MAINTENANCE OF TRAFFIC WILL INCLUDE TEMPORARY DRIVEWAY SIGNING (IDOT D1 STANDARD TC-26) AS DIRECTED BY THE ENGINEER, THE COST OF WHICH WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL). ALL ENTRANCE SIGNS WILL BE PLACED BY THE CONTRACTOR.
- THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. THIS WORK WILL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION, (SPECIAL). IF EXISTING SIGNS ARE DAMAGED DURING THE REMOVAL AND REPLACEMENT PROCESS, THE SIGN SHALL BE REPLACED AT THE CONTACTOR'S EXPENSE.
- DURING THE CONSTRUCTION OPERATIONS WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS CAUSED BY THE CONSTRUCTION. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PAY ITEM TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- UTILITY TRENCHES SHALL BE COVERED OR FILLED AT THE END OF EACH DAY. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- SEE TRAFFIC SIGNAL PLANS FOR TEMPORARY TRAFFIC SIGNALS.
- SPACING OF TYPE II BARRICADES, DRUMS OR VERTICAL BARRICADES SHALL BE AS FOLLOWS: 50' C-C ON TANGENTS, 20' C-C ON TAPERS/SHIFTS, 12' C-C AROUND RADII.
- ALL SIGNAGE TO BE IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). SUGGESTED MAINTENANCE OF TRAFFIC SHOWN IS THE MINIMUM REQUIRED; THE CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL MEASURES AS DIRECTED BY RESIDENT ENGINEER. THIS WORK WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- SEE HIGHWAY STANDARDS AND DISTRICT ONE DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.

## CONSTRUCTION STAGING

### PRESTAGE –WATER MAIN, TEMPORARY WIDENING, AND CONSTRUCTION OF THE RIGHT TURN LANE OF RAVINIA AVENUE

- ALL WATER MAIN WORK SHALL BE COMPLETED PRIOR TO STAGE 1. PATCH PAVEMENT.
- CONSTRUCT TEMPORARY PAVEMENT WIDENING IN ACCORDANCE WITH THE STAGE 1A MOT PLAN SHEETS. IT IS ANTICIPATED THAT ALL WORK WILL BE PERFORMED AS DAY-ONLY MOVING OPERATIONS AND WILL BE SIGNED AND FLAGGED PER STANDARD 701011 AND AS DIRECTED BY THE ENGINEER. WORK PERFORMED MORE THAN 15 FT. FROM THE NEAREST TRAVEL LANE WILL BE SIGNED AND FLAGGED PER STANDARD 701006. REMOVE DRAINAGE STRUCTURES AND PIPES SOUTH OF 151<sup>ST</sup> STREET AND CREATE A TEMPORARY DITCH TO ENSURE DRAINAGE THROUGHOUT STAGE 1. DO NOT REMOVE ANY CULVERTS OR DRAINAGE STRUCTURES WHICH ARE NOT SPECIFICALLY CALLED OUT IN THE REMOVAL PLANS. PLACE AND MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES AS DIRECTED BY THE ENGINEER.
- ALL WORK IN PRE-STAGE SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING IDOT STANDARDS 701501-06, 701006-05, 701011-04, 701801-06 AND TO THE SATISFACTION OF THE ENGINEER.

### STAGE 1A – RECONSTRUCTION OF THE NORTH SIDE OF 151<sup>ST</sup> STREET, THE WEST SIDE OF RAVINIA AVE, AND THE EAST SIDE OF WEST AVENUE

- RELOCATE TRAFFIC ON SOUTH RAVINIA AVENUE AS SHOWN ON THE PRE-STAGE MAINTENANCE OF TRAFFIC PLAN SHEETS. INSTALL PROPOSED STORM SEWER ON THE EAST HALF OF RAVINIA AVENUE. CONSTRUCT THE (FINAL PROPOSED) RIGHT TURN LANE OF RAVINIA AVE (SOUTH OF 151<sup>ST</sup> STREET). THE EXISTING STORM SEWER ON THE WEST HALF OF RAVINIA AVE. SHALL REMAIN ACTIVE DURING THIS STAGE.

### STAGE 1 – RECONSTRUCTION OF THE NORTH SIDE OF 151<sup>ST</sup> STREET, THE WEST SIDE OF RAVINIA AVE, AND THE EAST SIDE OF WEST AVENUE

- RELOCATE TRAFFIC AS SHOWN ON THE STAGE 1 MAINTENANCE OF TRAFFIC SHEETS. IMPLEMENT THE STAGE 1 DETOUR ROUTE INCLUDING ALL SIGNAGE. PLACE AND MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES PER THE STORM WATER POLLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER.
- INSTALL PROPOSED STORM SEWER MAIN LINE ALONG 151<sup>ST</sup> STREET. INSTALL STORM SEWER LATERALS TO THE NORTH OF THE MAIN LINE STORM SEWER. INSTALL STORM SEWER LATERALS SOUTH OF THE MAIN LINE TO AT LEAST THE CENTER LINE OF 151<sup>ST</sup> STREET AND TEMPORARILY SEAL. THE EXISTING STORM SEWER ON THE NORTH SIDE OF 151<sup>ST</sup> STREET SHALL REMAIN ACTIVE DURING THIS STAGE.
- RECONSTRUCT THE NORTH HALF OF 151<sup>ST</sup> STREET FROM STATION 113+00 TO STATION 128+50, INCLUDING CURB AND GUTTER AND SIDEWALK. SUBSTAGE WORK WILL BE REQUIRED TO CONSTRUCT PAVEMENT AT VARIOUS INTERSECTIONS. FROM STATION 112+37 TO STA 128+90, 2-WAY ACCESS MUST BE MAINTAINED AT ALL TIMES FOR EMERGENCY VEHICLES ONLY.
- RECONSTRUCT THE WEST HALF OF RAVINIA AVENUE INCLUDING STORM SEWER, CURB AND GUTTER, AND SIDEWALK.
- RECONSTRUCT THE NORTH EAST CORNER AND THE SOUTH EAST CORNER OF THE ROUNDABOUT AT THE INTERSECTION OF WEST AVE AND 151<sup>ST</sup> STREET. CONSTRUCTION SHALL INCLUDE THE CURB AND GUTTER AT AND SIDEWALK AT THE OUTSIDE EDGE OF PAVEMENT. THE CURB AND GUTTER FOR THE SPLITTER ISLANDS AND THE CENTER CIRCLE ISLAND SHALL NOT BE CONSTRUCTED UNTIL STAGE 3.
- CONSTRUCT THE TEMPORARY PAVEMENT AT THE LOCATIONS OF THE SPLITTER ISLANDS AND CENTER ISLAND. LOCATIONS OF TEMPORARY PAVEMENT AS SHOWN ON THE STAGE 2 MAINTENANCE OF TRAFFIC PLAN SHEETS.

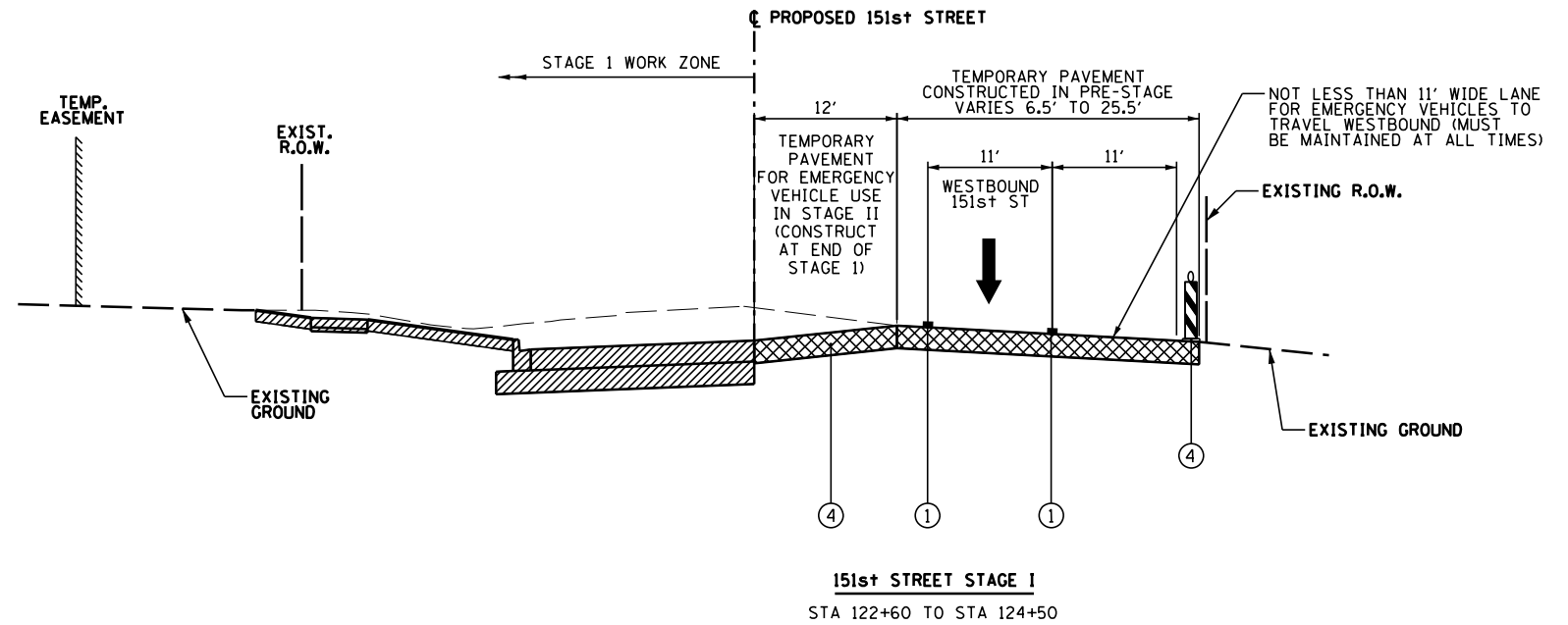
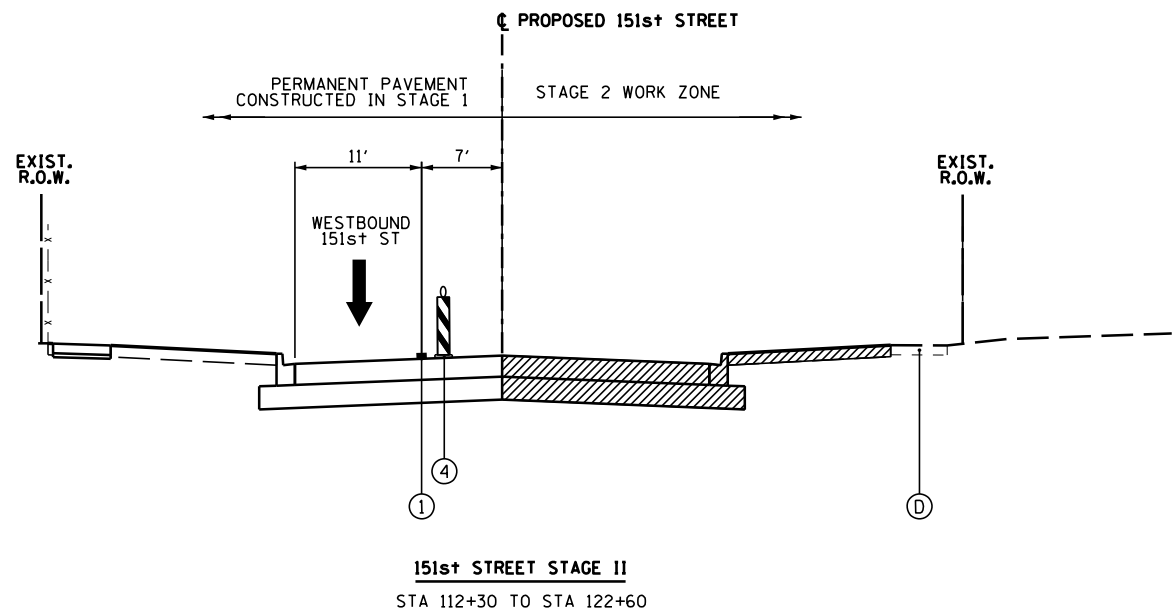
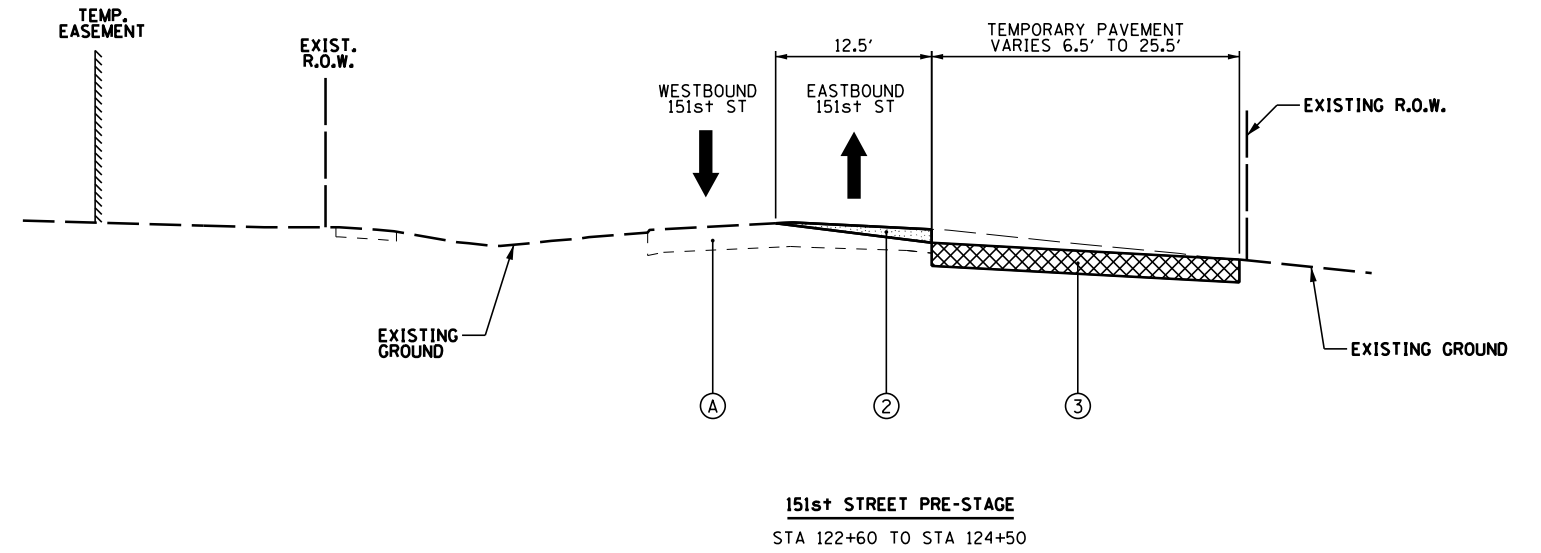
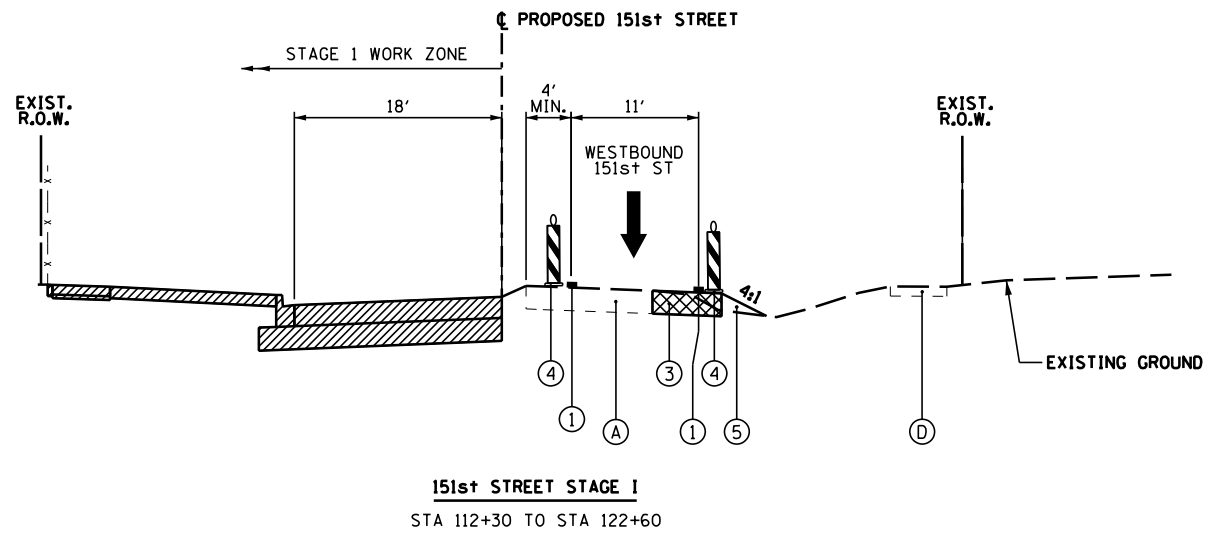
### STAGE 2 – RECONSTRUCTION OF THE SOUTH SIDE OF 151<sup>ST</sup> STREET, THE REMAINING PAVEMENT OF RAVINIA AVE, AND THE REMAINING PAVEMENT OF THE ROUNDABOUT

- RELOCATE TRAFFIC AS SHOWN ON THE STAGE 2 MAINTENANCE OF TRAFFIC SHEETS. IMPLEMENT THE STAGE 2 DETOUR ROUTE INCLUDING ALL SIGNAGE. PLACE AND MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES PER THE STORM WATER POLLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER.
- FINISH INSTALLING THE PROPOSED STORM SEWER LATERALS ON THE SOUTH SIDE OF 151<sup>ST</sup> STREET. FILL THE EXISTING STORM SEWER ON THE NORTH SIDE OF 151<sup>ST</sup> STREET.
- RECONSTRUCT THE SOUTH HALF OF 151<sup>ST</sup> STREET FROM STATION 113+00 TO STATION 128+50, INCLUDING CURB AND GUTTER AND SIDEWALK. SUBSTAGE WORK WILL BE REQUIRED TO CONSTRUCT PAVEMENT AT VARIOUS INTERSECTIONS. FROM STATION 112+37 TO STA 128+90, 2-WAY ACCESS MUST BE MAINTAINED AT ALL TIMES FOR EMERGENCY VEHICLES ONLY.
- CONSTRUCT THE REMAINING PORTIONS OF THE ROUNDABOUT WITH EXCEPTION OF THE CENTER ISLAND AND SPLITTER ISLANDS.

### STAGE 3 – CONSTRUCTION OF THE SPLITTER ISLANDS AND CENTER ISLAND OF THE ROUNDABOUT

- CONSTRUCT THE CENTER ISLAND OF THE ROUNDABOUT AND SPLITTER ISLAND INCLUDING CURB AND GUTTER AND SIDEWALK.
- INSTALL ALL FINAL PAVEMENT MARKINGS, SIGNING, TRAFFIC SIGNALS, AND LANDSCAPING PER THE RELEVANT PLAN SHEETS.

FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC GENERAL NOTES</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 7/11/2019	DATE -	REVISED -		SCALE: 1" = 20'	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				



LEGEND	
	WORK ZONE
	TEMPORARY PAVEMENT
	HOT-MIX ASPHALT SURFACE REMOVAL
(A)	EXISTING PAVEMENT STRUCTURE
(B)	EXISTING BITUMINOUS SHOULDERS
(C)	EXISTING COMBINATION CONCRETE CURB AND GUTTER, TY. B-6.12
(D)	EXISTING SIDEWALK
①	TEMPORARY PAVEMENT MARKING, LINE - 4" (WHITE)
②	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
③	TEMPORARY PAVEMENT
④	TYPE II BARRICADE OR DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT @ 50' SPACING
⑤	EMBANKMENT (INCLUDED IN THE COST OF EARTH EXCAVATION)

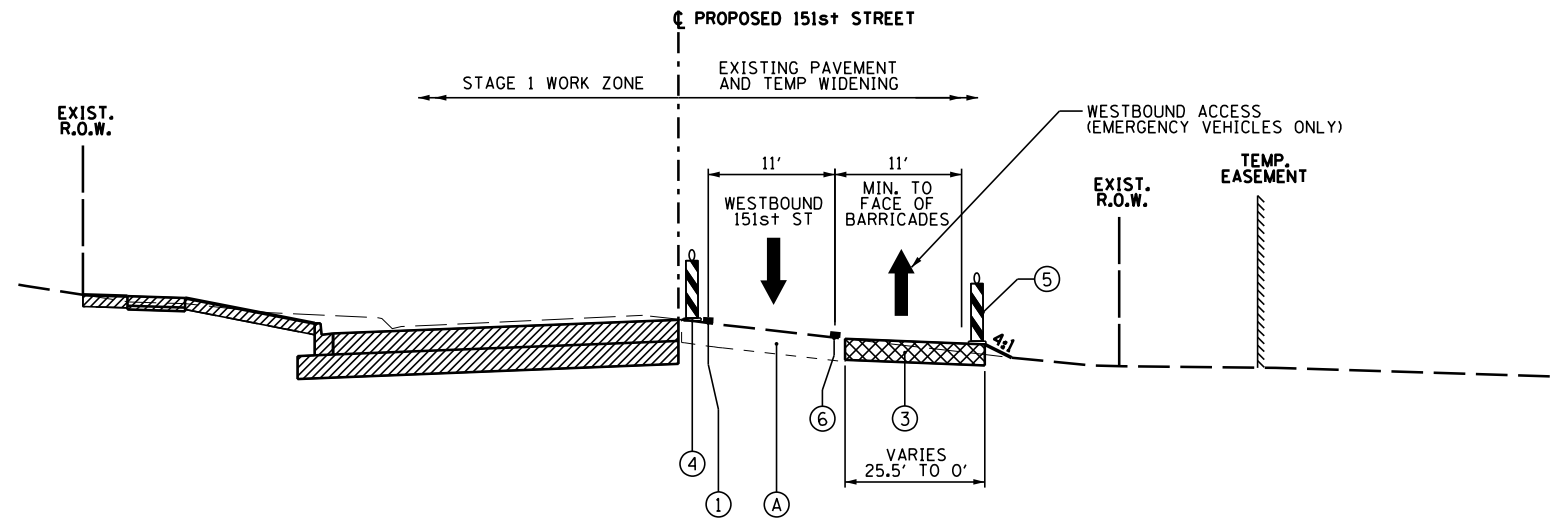
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS  
151st STREET

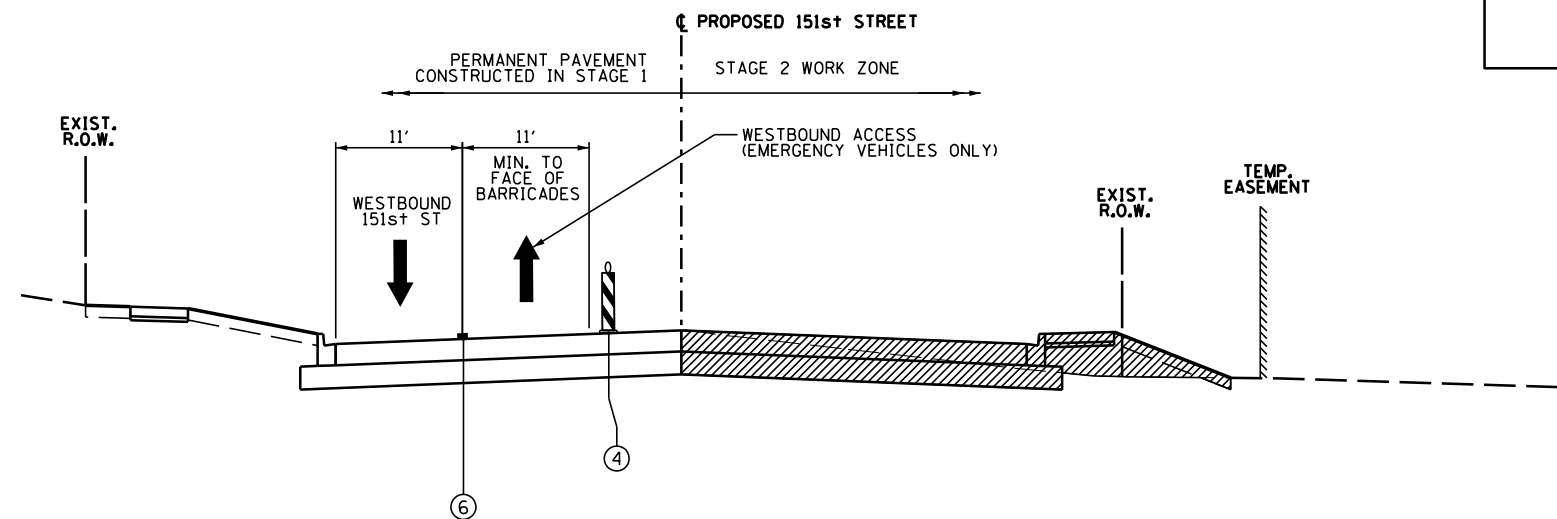
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61F86				
ILLINOIS FED. AID PROJECT				

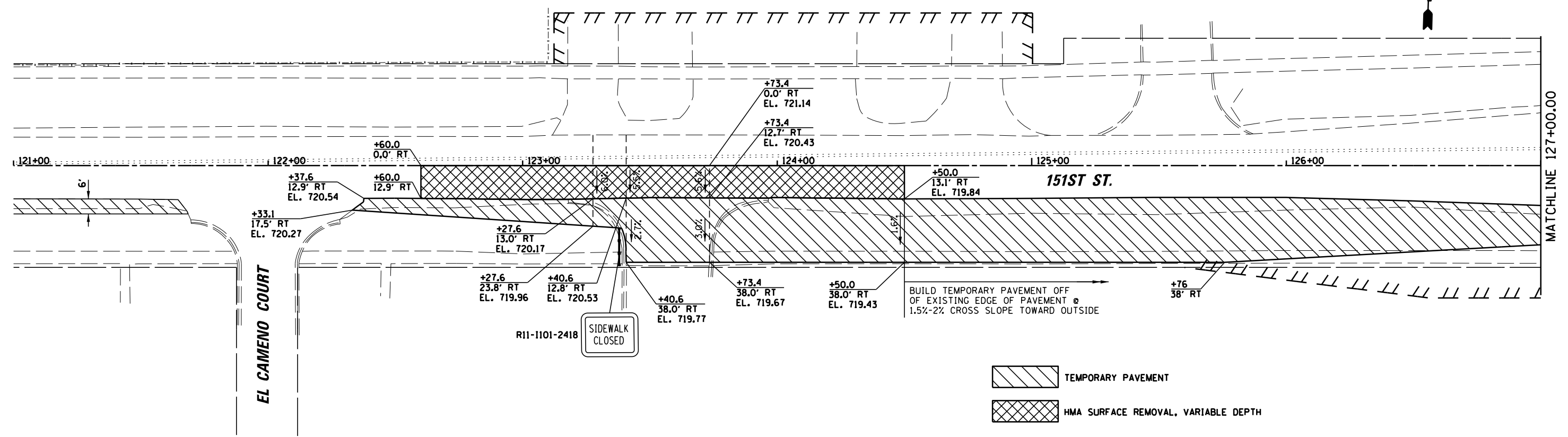


**151st STREET STAGE I**  
STA 124+50 TO STA 128+77

LEGEND			
	WORK ZONE	①	TEMPORARY PAVEMENT MARKING, LINE - 4" (WHITE)
	TEMPORARY PAVEMENT	②	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
	HOT-MIX ASPHALT SURFACE REMOVAL	③	TEMPORARY PAVEMENT
Ⓐ	EXISTING PAVEMENT STRUCTURE	④	TYPE II BARRICADE OR DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT @ 50' SPACING
Ⓑ	EXISTING BITUMINOUS SHOULDERS	⑤	EMBANKMENT (INCLUDED IN THE COST OF EARTH EXCAVATION)
Ⓒ	EXISTING COMBINATION CONCRETE CURB AND GUTTER, TY. B-6.12	⑥	TEMPORARY PAVEMENT MARKING, LINE - 4" (YELLOW)
Ⓓ	EXISTING SIDEWALK		

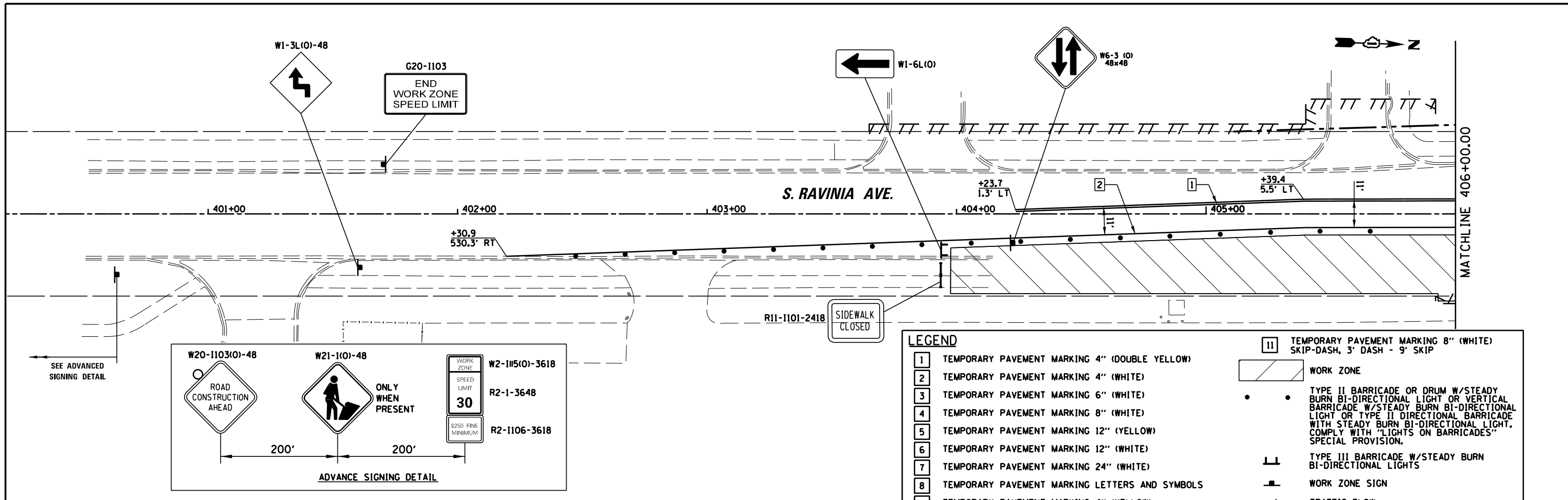


**151st STREET STAGE II**  
STA 122+60 TO STA 128+77

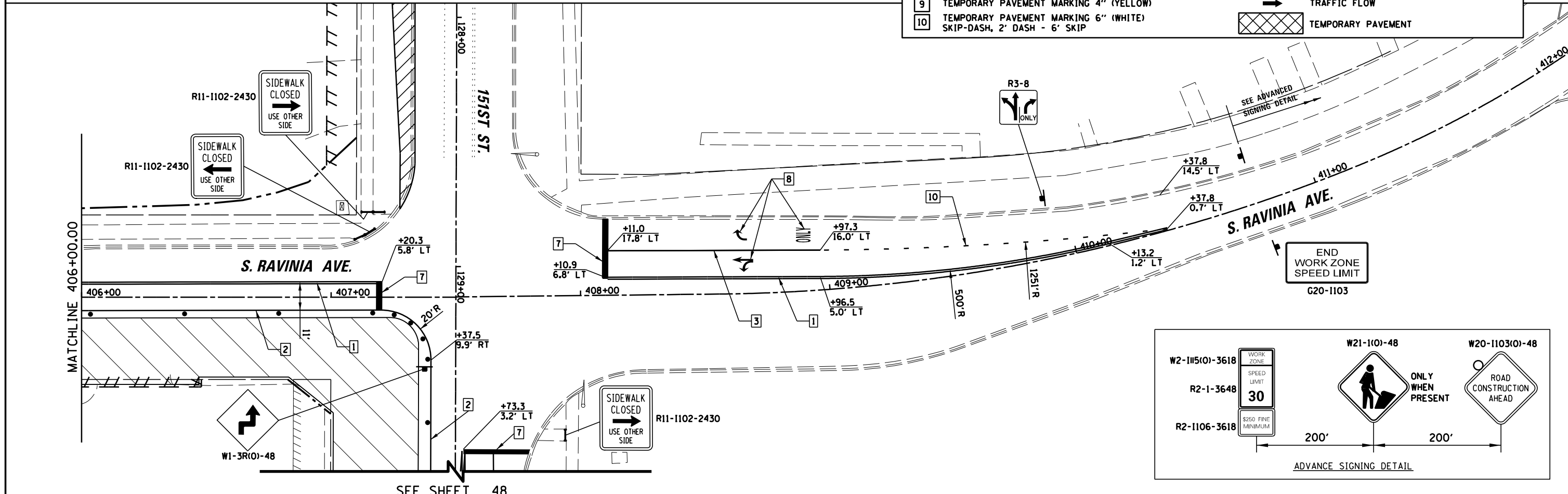


- TEMPORARY PAVEMENT
- HMA SURFACE REMOVAL, VARIABLE DEPTH

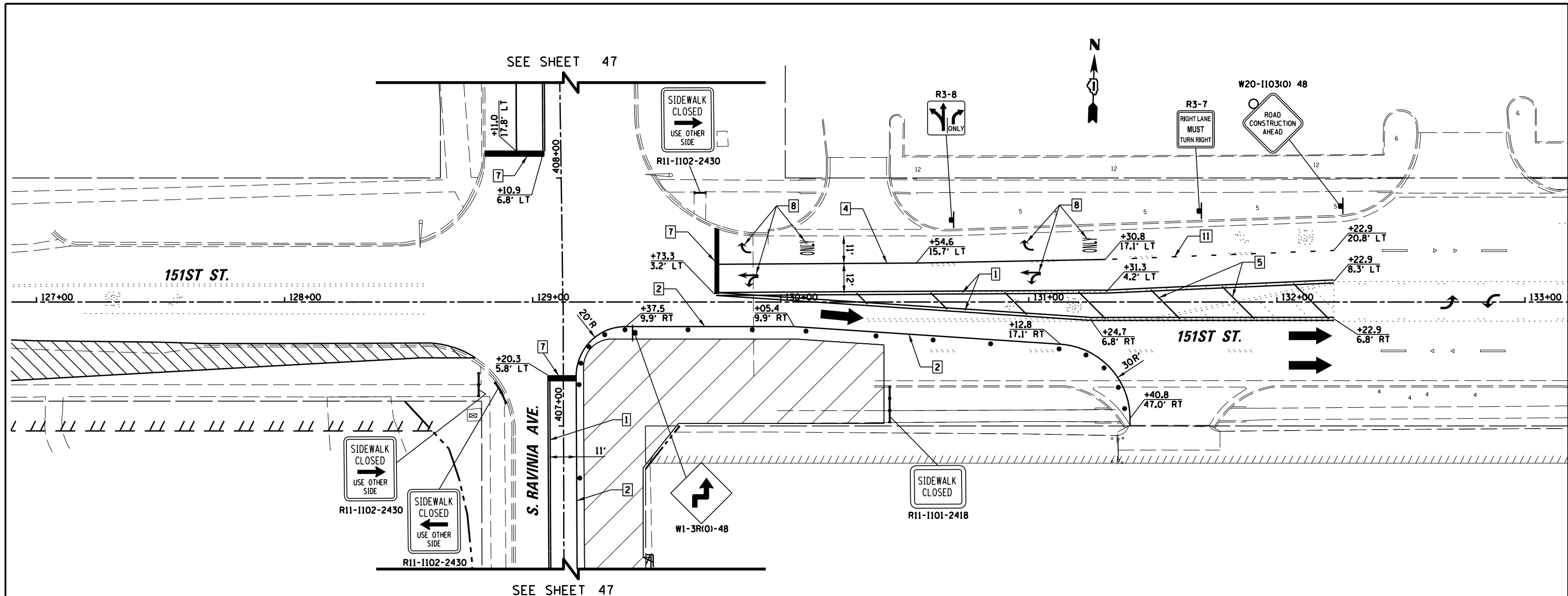
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	PLOT DATE = 7/11/2019	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



LEGEND	
1	TEMPORARY PAVEMENT MARKING 4" (DOUBLE YELLOW)
2	TEMPORARY PAVEMENT MARKING 4" (WHITE)
3	TEMPORARY PAVEMENT MARKING 6" (WHITE)
4	TEMPORARY PAVEMENT MARKING 8" (WHITE)
5	TEMPORARY PAVEMENT MARKING 12" (YELLOW)
6	TEMPORARY PAVEMENT MARKING 12" (WHITE)
7	TEMPORARY PAVEMENT MARKING 24" (WHITE)
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
9	TEMPORARY PAVEMENT MARKING 4" (YELLOW)
10	TEMPORARY PAVEMENT MARKING 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP
11	TEMPORARY PAVEMENT MARKING 8" (WHITE) SKIP-DASH, 3' DASH - 9' SKIP
	WORK ZONE
	TYPE II BARRICADE OR DRUM W/STEADY BURN BI-DIRECTIONAL LIGHT OR VERTICAL BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHT OR TYPE II DIRECTIONAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT. COMPLY WITH 'LIGHTS ON BARRICADES' SPECIAL PROVISION.
	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
	WORK ZONE SIGN
	TRAFFIC FLOW
	TEMPORARY PAVEMENT



FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC - STAGE 1A S RAVINIA AVE</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT SCALE = 48"	DATE -	REVISED -						<b>CONTRACT NO. 61F86</b>				
	PLOT DATE = 7/30/2019								ILLINOIS FED. AID PROJECT				



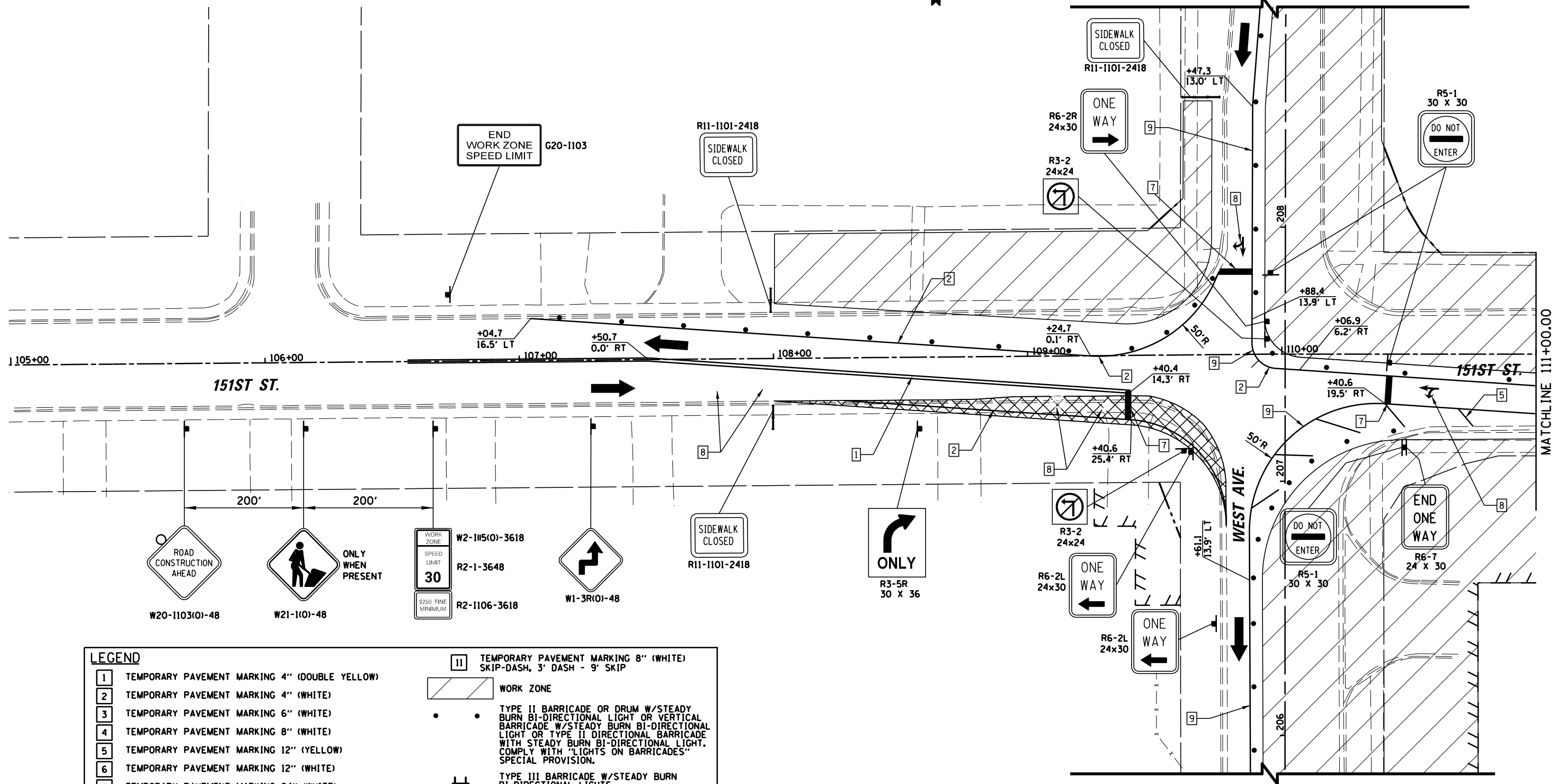
LEGEND	
1	TEMPORARY PAVEMENT MARKING 4" (DOUBLE YELLOW)
2	TEMPORARY PAVEMENT MARKING 4" (WHITE)
3	TEMPORARY PAVEMENT MARKING 6" (WHITE)
4	TEMPORARY PAVEMENT MARKING 8" (WHITE)
5	TEMPORARY PAVEMENT MARKING 12" (YELLOW)
6	TEMPORARY PAVEMENT MARKING 12" (WHITE)
7	TEMPORARY PAVEMENT MARKING 24" (WHITE)
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
9	TEMPORARY PAVEMENT MARKING 4" (YELLOW)
10	TEMPORARY PAVEMENT MARKING 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP
11	TEMPORARY PAVEMENT MARKING 8" (WHITE) SKIP-DASH, 3' DASH - 9' SKIP
	WORK ZONE
	TYPE II BARRICADE OR DRUM W/STEADY BURN BI-DIRECTIONAL LIGHT OR VERTICAL BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHT OR TYPE II DIRECTIONAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT. COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
	WORK ZONE SIGN
	TRAFFIC FLOW
	TEMPORARY PAVEMENT

FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC - STAGE 1A 151st STREET</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ORLANDPARK\150272.ph2\Consultants\1007\Cadd_Deliverable\161F86-sh1-MOT-Stage1A-22	DRAWN -	REVISED -	1603			13-00071-00-WR	COOK	162	48	
Default	PLOT SCALE = 48"	CHECKED -	REVISED -			<b>CONTRACT NO. 61F86</b>				
	PLOT DATE = 7/30/2019	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
						SCALE: 1" = 20'	SHEET 2 OF 2 SHEETS	STA. 121+00.00 TO STA. 133+00.00		



SEE SHEET 53

SEE SHEET 53



LEGEND	
1	TEMPORARY PAVEMENT MARKING 4" (DOUBLE YELLOW)
2	TEMPORARY PAVEMENT MARKING 4" (WHITE)
3	TEMPORARY PAVEMENT MARKING 6" (WHITE)
4	TEMPORARY PAVEMENT MARKING 8" (WHITE)
5	TEMPORARY PAVEMENT MARKING 12" (YELLOW)
6	TEMPORARY PAVEMENT MARKING 12" (WHITE)
7	TEMPORARY PAVEMENT MARKING 24" (WHITE)
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
9	TEMPORARY PAVEMENT MARKING 4" (YELLOW)
10	TEMPORARY PAVEMENT MARKING 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP
11	TEMPORARY PAVEMENT MARKING 8" (WHITE) SKIP-DASH, 3' DASH - 9' SKIP
	WORK ZONE
	TYPE II BARRICADE OR DRUM W/STEADY BURN BI-DIRECTIONAL LIGHT OR VERTICAL BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHT OR TYPE II DIRECTIONAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT. COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
	WORK ZONE SIGN
	TRAFFIC FLOW
	TEMPORARY PAVEMENT

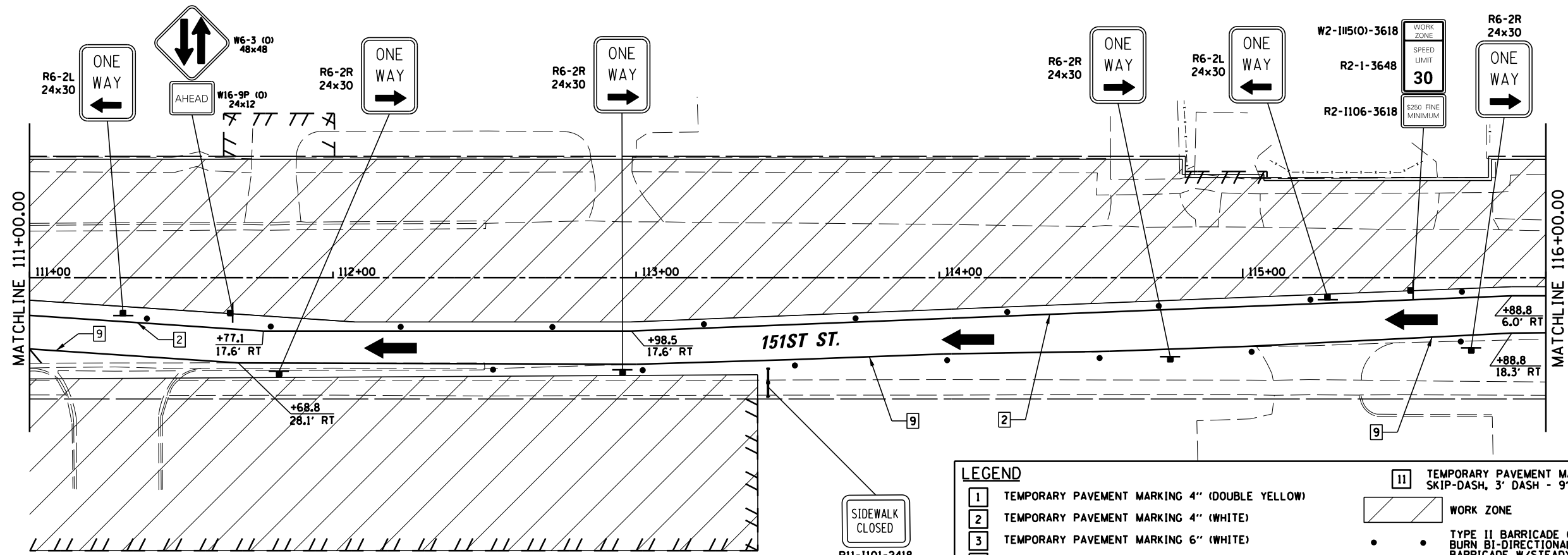
FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -
N:\ORLANDPARK\150272.ph2\Consultants\1007\Cadd_Deliverable\161F86-sh1-MOT-Stage1-01.d		DRAWN -	REVISED -
Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 7/30/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

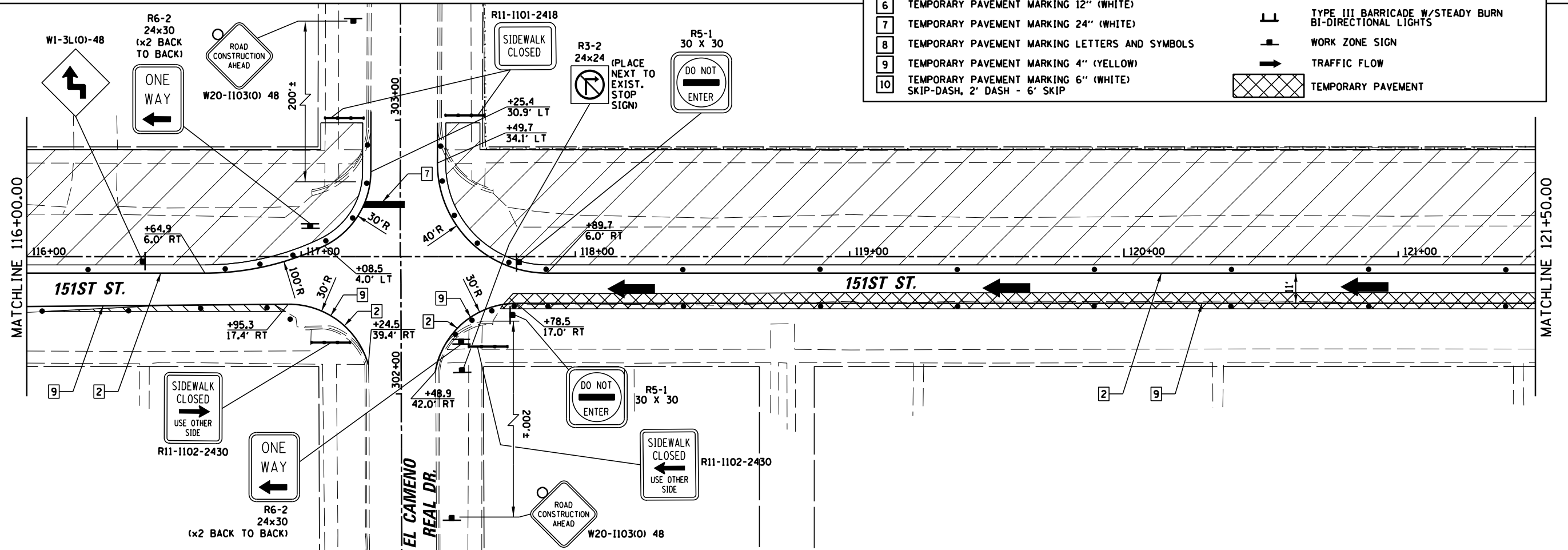
<b>MAINTENANCE OF TRAFFIC - STAGE I</b>			
<b>151st STREET</b>			
SCALE: 1" = 20'	SHEET 1	OF 5 SHEETS	STA. 105+00.00 TO STA. 111+00.00

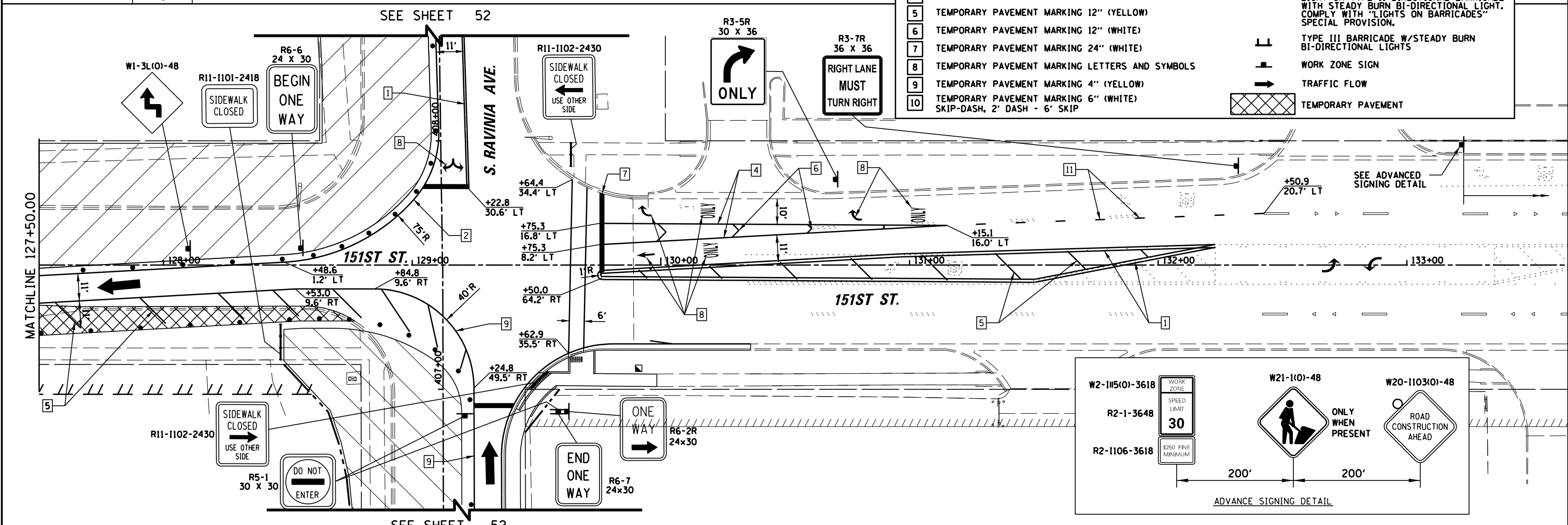
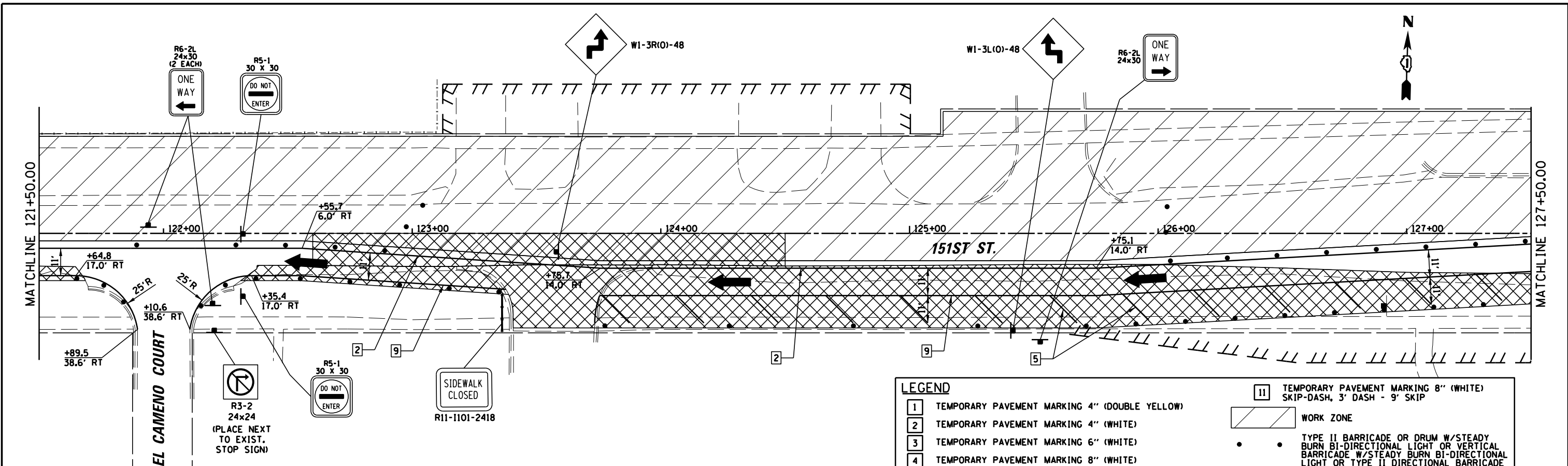
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1603	13-00071-00-WR	COOK	162	49
CONTRACT NO. 61F86				
ILLINOIS FED. AID PROJECT				





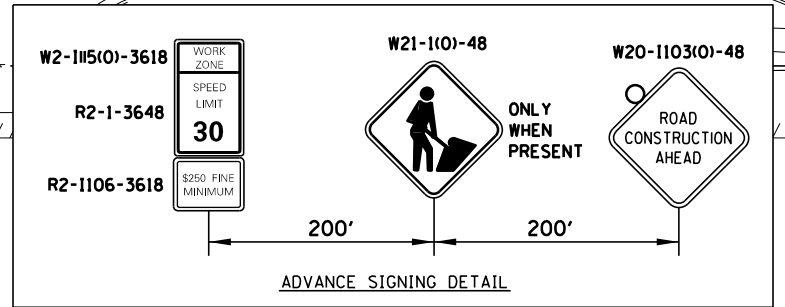
LEGEND	
1	TEMPORARY PAVEMENT MARKING 4" (DOUBLE YELLOW)
2	TEMPORARY PAVEMENT MARKING 4" (WHITE)
3	TEMPORARY PAVEMENT MARKING 6" (WHITE)
4	TEMPORARY PAVEMENT MARKING 8" (WHITE)
5	TEMPORARY PAVEMENT MARKING 12" (YELLOW)
6	TEMPORARY PAVEMENT MARKING 12" (WHITE)
7	TEMPORARY PAVEMENT MARKING 24" (WHITE)
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
9	TEMPORARY PAVEMENT MARKING 4" (YELLOW)
10	TEMPORARY PAVEMENT MARKING 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP
11	TEMPORARY PAVEMENT MARKING 8" (WHITE) SKIP-DASH, 3' DASH - 9' SKIP
[Hatched Box]	WORK ZONE
[Barricade]	TYPE II BARRICADE OR DRUM W/STEADY BURN BI-DIRECTIONAL LIGHT OR VERTICAL BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHT OR TYPE II DIRECTIONAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT. COMPLY WITH 'LIGHTS ON BARRICADES' SPECIAL PROVISION.
[Barricade]	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
[Sign]	WORK ZONE SIGN
[Arrow]	TRAFFIC FLOW
[Cross-hatched Box]	TEMPORARY PAVEMENT

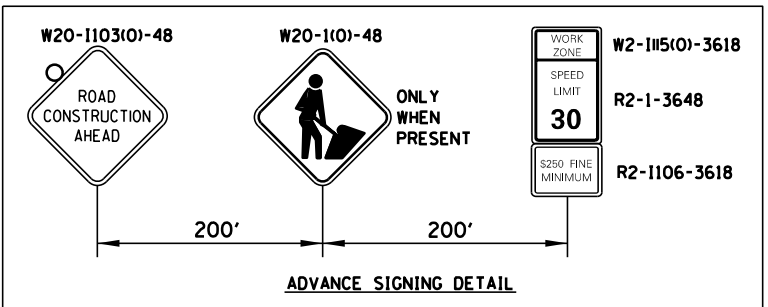
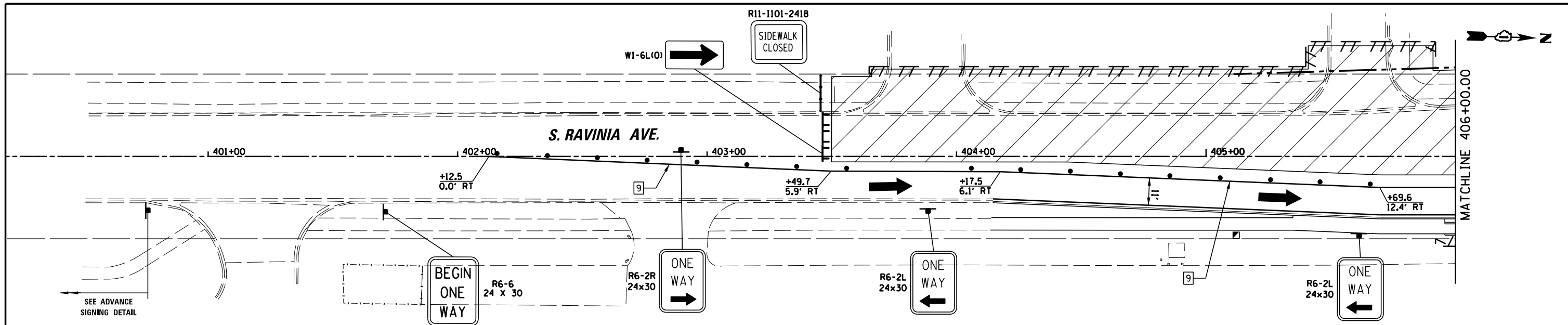




**LEGEND**

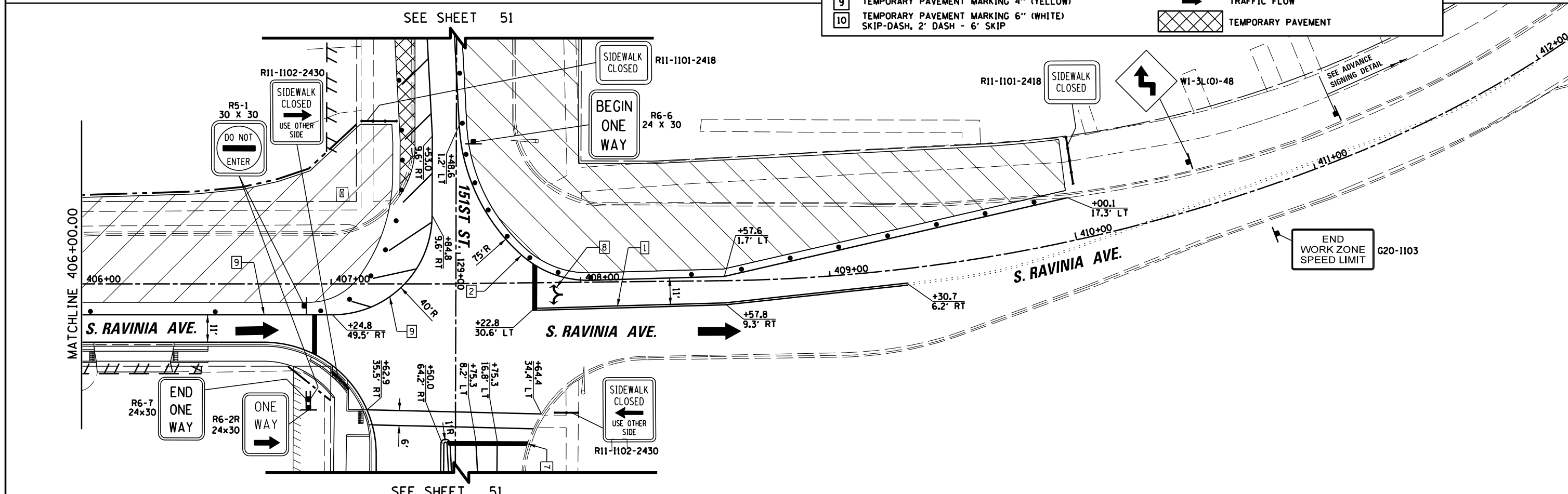
1	TEMPORARY PAVEMENT MARKING 4" (DOUBLE YELLOW)	11	TEMPORARY PAVEMENT MARKING 8" (WHITE) SKIP-DASH, 3' DASH - 9' SKIP
2	TEMPORARY PAVEMENT MARKING 4" (WHITE)	WORK ZONE	
3	TEMPORARY PAVEMENT MARKING 6" (WHITE)	• •	TYPE II BARRICADE OR DRUM W/STEADY BURN BI-DIRECTIONAL LIGHT OR VERTICAL BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHT OR TYPE II DIRECTIONAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT. COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
4	TEMPORARY PAVEMENT MARKING 8" (WHITE)	⊥	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
5	TEMPORARY PAVEMENT MARKING 12" (YELLOW)	—	WORK ZONE SIGN
6	TEMPORARY PAVEMENT MARKING 12" (WHITE)	→	TRAFFIC FLOW
7	TEMPORARY PAVEMENT MARKING 24" (WHITE)	▨	TEMPORARY PAVEMENT
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS		
9	TEMPORARY PAVEMENT MARKING 4" (YELLOW)		
10	TEMPORARY PAVEMENT MARKING 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP		



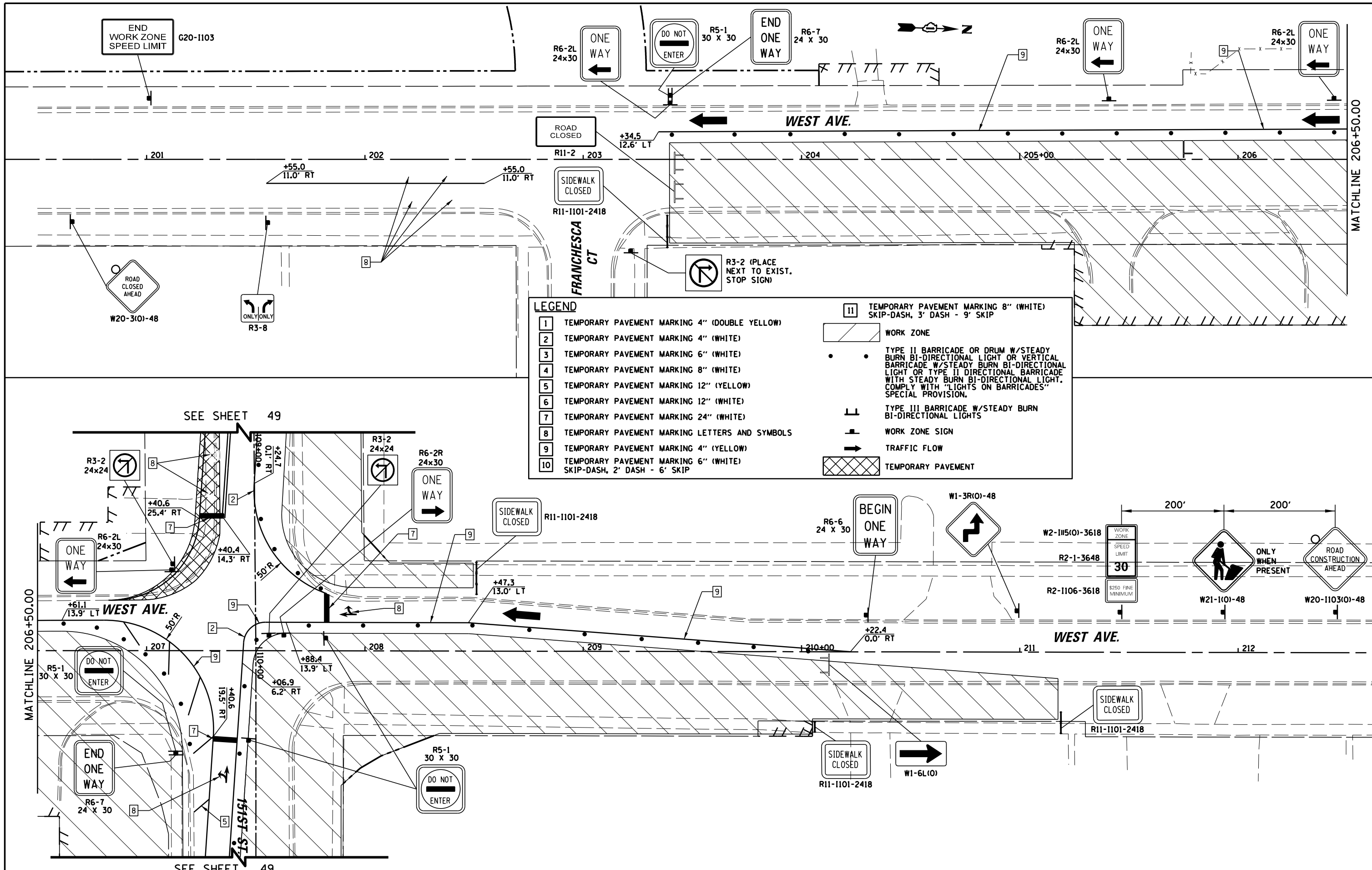


**LEGEND**

1	TEMPORARY PAVEMENT MARKING 4" (DOUBLE YELLOW)	11	TEMPORARY PAVEMENT MARKING 8" (WHITE) SKIP-DASH, 3' DASH - 9' SKIP
2	TEMPORARY PAVEMENT MARKING 4" (WHITE)		WORK ZONE
3	TEMPORARY PAVEMENT MARKING 6" (WHITE)		TYPE II BARRICADE OR DRUM W/STEADY BURN BI-DIRECTIONAL LIGHT OR VERTICAL BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHT OR TYPE II DIRECTIONAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT. COMPLY WITH 'LIGHTS ON BARRICADES' SPECIAL PROVISION.
4	TEMPORARY PAVEMENT MARKING 8" (WHITE)		TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
5	TEMPORARY PAVEMENT MARKING 12" (YELLOW)		WORK ZONE SIGN
6	TEMPORARY PAVEMENT MARKING 12" (WHITE)		TRAFFIC FLOW
7	TEMPORARY PAVEMENT MARKING 24" (WHITE)		TEMPORARY PAVEMENT
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS		
9	TEMPORARY PAVEMENT MARKING 4" (YELLOW)		
10	TEMPORARY PAVEMENT MARKING 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP		



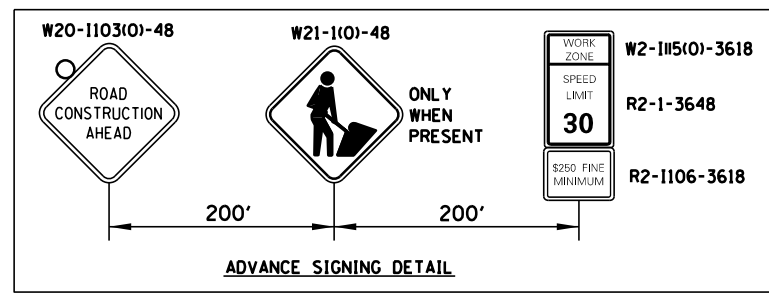
FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC - STAGE I S RAVINIA AVE</b>	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ORLANDPARK\150272.ph2\Consultants\1017\Cadd_Deliverable\1616186-sh1-MOT-Stage1-04.dwg		DRAWN -	REVISED -			1709	13-00071-00-WR	COOK	162	52
Default		CHECKED -	REVISED -			<b>CONTRACT NO. 61F86</b>				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



**LEGEND**

1	TEMPORARY PAVEMENT MARKING 4" (DOUBLE YELLOW)	11	TEMPORARY PAVEMENT MARKING 8" (WHITE) SKIP-DASH, 3' DASH - 9' SKIP
2	TEMPORARY PAVEMENT MARKING 4" (WHITE)		WORK ZONE
3	TEMPORARY PAVEMENT MARKING 6" (WHITE)		TYPE II BARRICADE OR DRUM W/STEADY BURN BI-DIRECTIONAL LIGHT OR VERTICAL BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHT OR TYPE II DIRECTIONAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT. COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
4	TEMPORARY PAVEMENT MARKING 8" (WHITE)		TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
5	TEMPORARY PAVEMENT MARKING 12" (YELLOW)		WORK ZONE SIGN
6	TEMPORARY PAVEMENT MARKING 12" (WHITE)		TRAFFIC FLOW
7	TEMPORARY PAVEMENT MARKING 24" (WHITE)		TEMPORARY PAVEMENT
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS		
9	TEMPORARY PAVEMENT MARKING 4" (YELLOW) SKIP-DASH, 2' DASH - 6' SKIP		
10	TEMPORARY PAVEMENT MARKING 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP		

FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC - STAGE I WEST AVE</b>	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ORLANDPARK\150272.ph2\Consultants\1017\Cadd_Deliverable\1616\F86-sht-MOT-Stage1-05.dwg		DRAWN -	REVISED -			1709	13-00071-00-WR	COOK	162	53	
Default	PLOT SCALE = 48"	CHECKED -	REVISED -			<b>CONTRACT NO. 61F86</b>					
	PLOT DATE = 7/30/2019	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



G20-1103  
END  
WORK ZONE  
SPEED LIMIT

HOLIDAY CT.

R11-1101-2418  
SIDEWALK  
CLOSED

R6-2  
24x30  
(X2 BACK  
TO BACK)  
ONE  
WAY

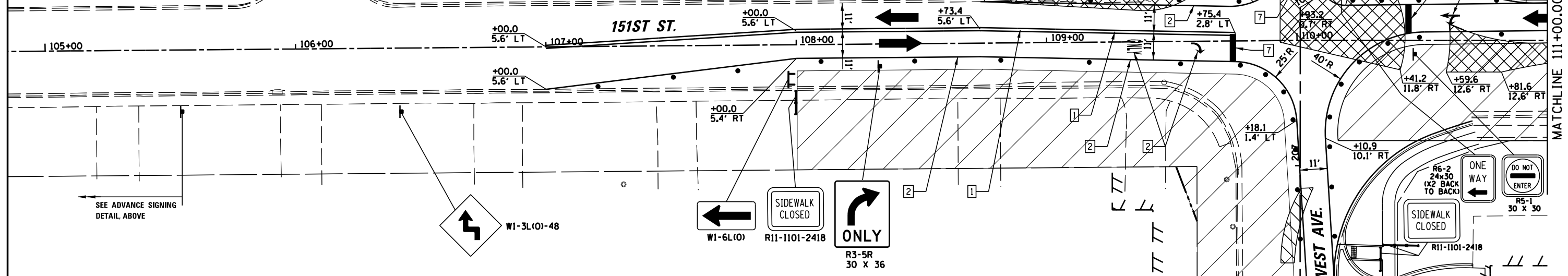
R11-1101-2418  
SIDEWALK  
CLOSED

R5-1  
30 X 30  
DO NOT  
ENTER

R6-7  
24 X 30  
END  
ONE  
WAY

R11-1101-2418  
SIDEWALK  
CLOSED

SEE SHEET 58



SEE ADVANCE SIGNING  
DETAIL, ABOVE

W1-3L(O)-48

W1-6L(O) R11-1101-2418  
SIDEWALK  
CLOSED

R3-5R  
30 X 36  
ONLY

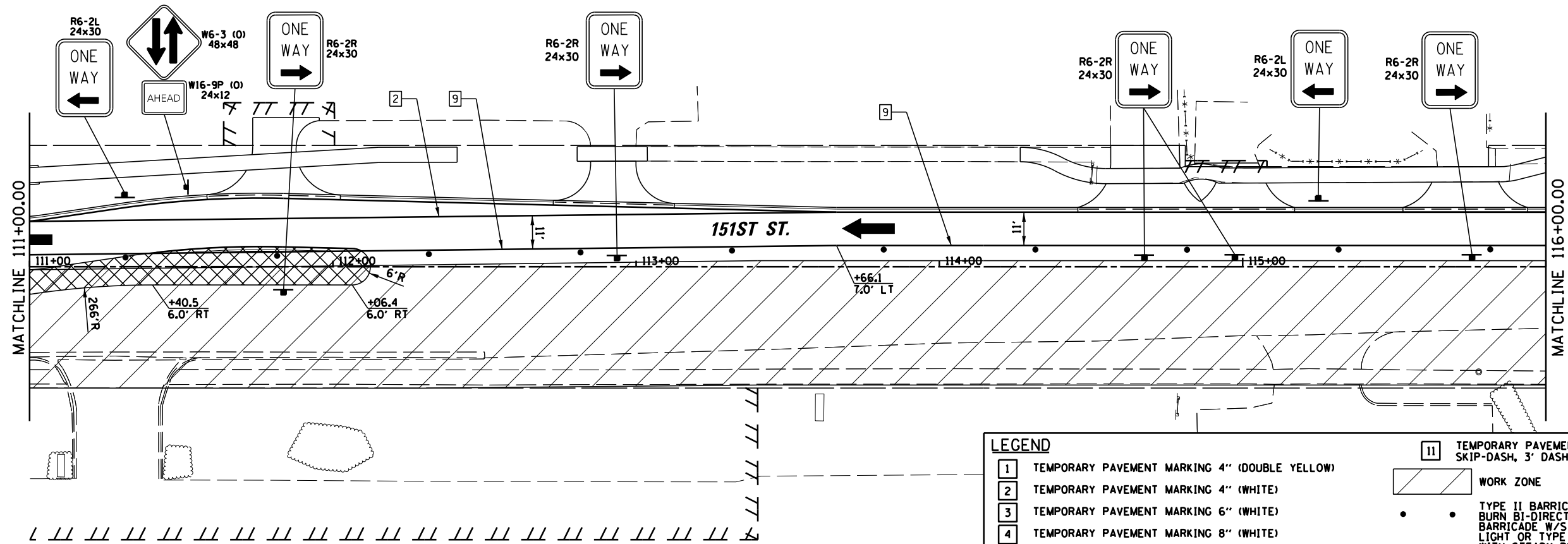
R6-2  
24x30  
(X2 BACK  
TO BACK)  
ONE  
WAY

R5-1  
30 X 30  
DO NOT  
ENTER

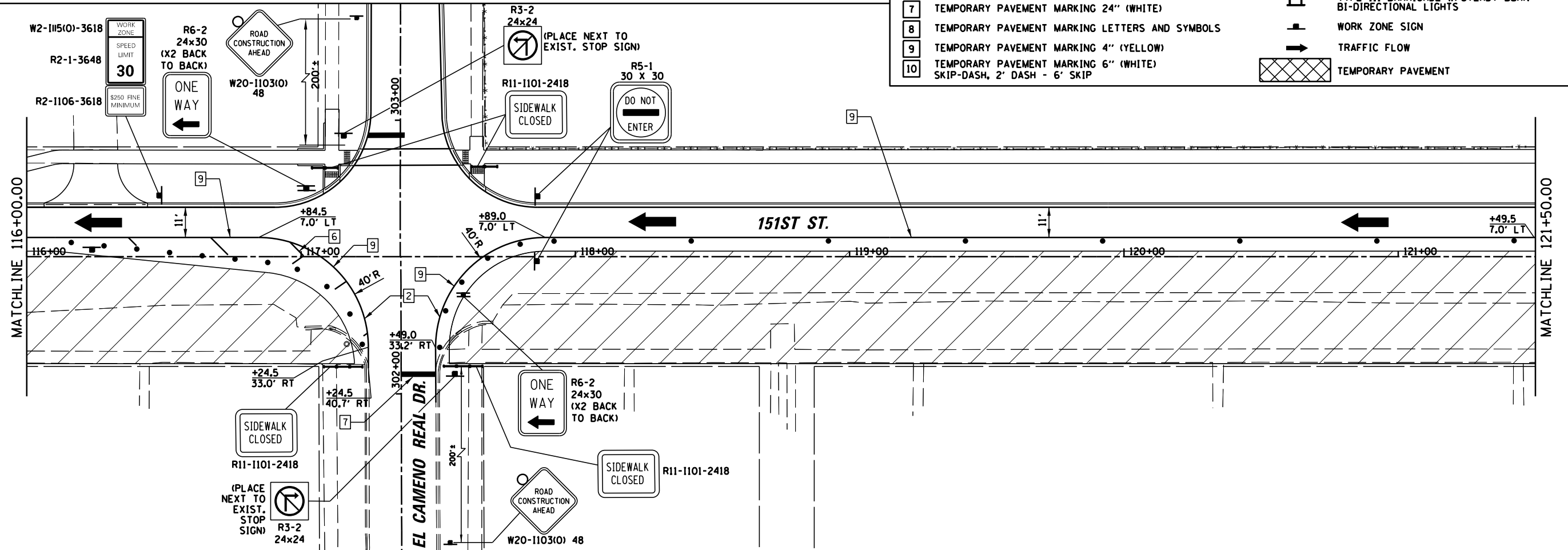
R11-1101-2418  
SIDEWALK  
CLOSED

SEE SHEET 58

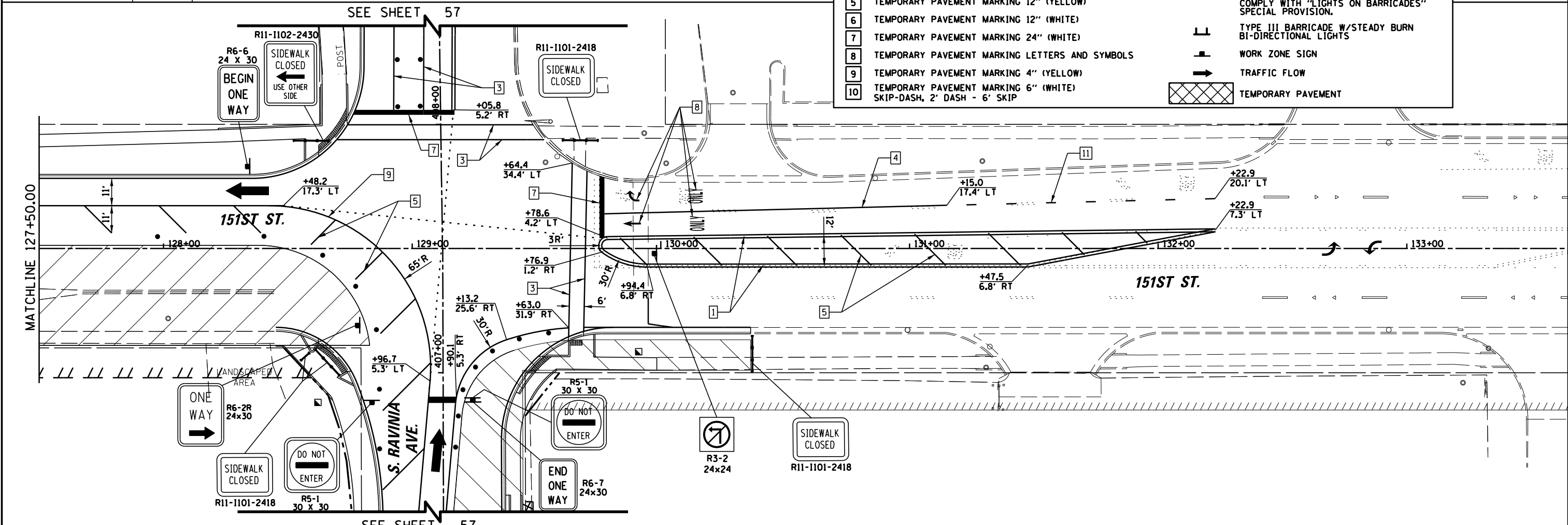
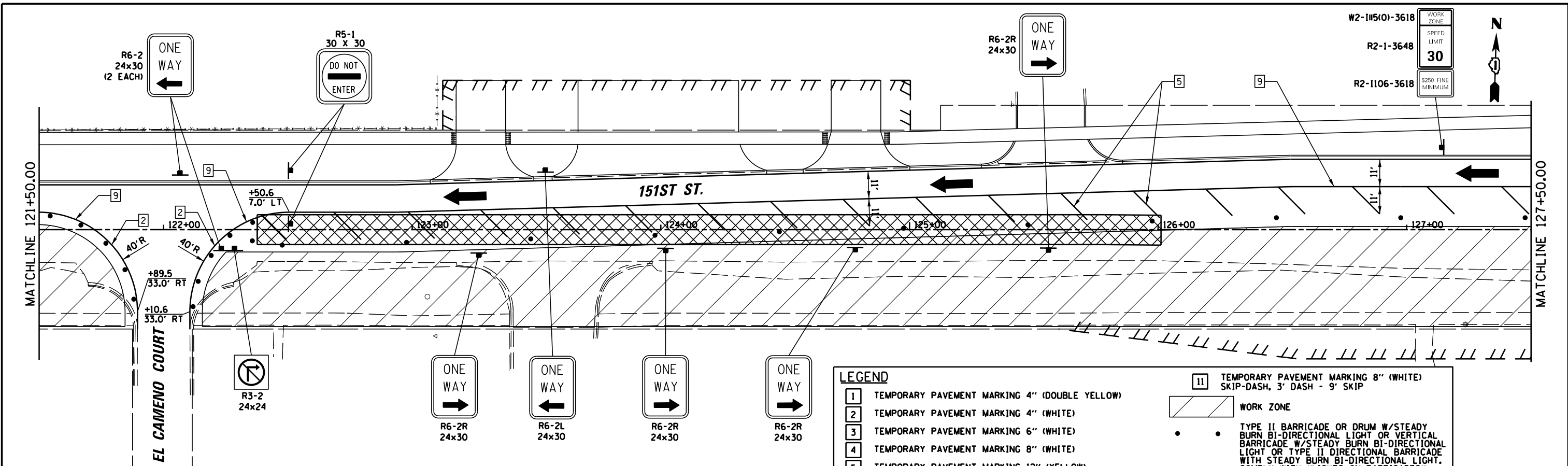
LEGEND	
1	TEMPORARY PAVEMENT MARKING 4" (DOUBLE YELLOW)
2	TEMPORARY PAVEMENT MARKING 4" (WHITE)
3	TEMPORARY PAVEMENT MARKING 6" (WHITE)
4	TEMPORARY PAVEMENT MARKING 8" (WHITE)
5	TEMPORARY PAVEMENT MARKING 12" (YELLOW)
6	TEMPORARY PAVEMENT MARKING 12" (WHITE)
7	TEMPORARY PAVEMENT MARKING 24" (WHITE)
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
9	TEMPORARY PAVEMENT MARKING 4" (YELLOW)
10	TEMPORARY PAVEMENT MARKING 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP
11	TEMPORARY PAVEMENT MARKING 8" (WHITE) SKIP-DASH, 3' DASH - 9' SKIP
	WORK ZONE
	TYPE II BARRICADE OR DRUM W/STEADY BURN BI-DIRECTIONAL LIGHT OR VERTICAL BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHT OR TYPE II DIRECTIONAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT. COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
	WORK ZONE SIGN
	TRAFFIC FLOW
	TEMPORARY PAVEMENT



LEGEND	
1	TEMPORARY PAVEMENT MARKING 4" (DOUBLE YELLOW)
2	TEMPORARY PAVEMENT MARKING 4" (WHITE)
3	TEMPORARY PAVEMENT MARKING 6" (WHITE)
4	TEMPORARY PAVEMENT MARKING 8" (WHITE)
5	TEMPORARY PAVEMENT MARKING 12" (YELLOW)
6	TEMPORARY PAVEMENT MARKING 12" (WHITE)
7	TEMPORARY PAVEMENT MARKING 24" (WHITE)
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
9	TEMPORARY PAVEMENT MARKING 4" (YELLOW)
10	TEMPORARY PAVEMENT MARKING 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP
11	TEMPORARY PAVEMENT MARKING 8" (WHITE) SKIP-DASH, 3' DASH - 9' SKIP
	WORK ZONE
	TYPE II BARRICADE OR DRUM W/STEADY BURN BI-DIRECTIONAL LIGHT OR VERTICAL BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHT OR TYPE II DIRECTIONAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT. COMPLY WITH 'LIGHTS ON BARRICADES' SPECIAL PROVISION.
	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
	WORK ZONE SIGN
	TRAFFIC FLOW
	TEMPORARY PAVEMENT



FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC - STAGE II 151st STREET</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ORLANDPARK\150272.ph2\Consultants\1007\Cadd_Deliverable\DI61F86-sht-M0T-Stage2-02.dwg	DRAWN -	REVISED -	1603			13-00071-00-WR	COOK	162	55		
Default	PLOT SCALE = 48"	CHECKED -	REVISED -			<b>CONTRACT NO. 61F86</b>					
	PLOT DATE = 7/30/2019	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

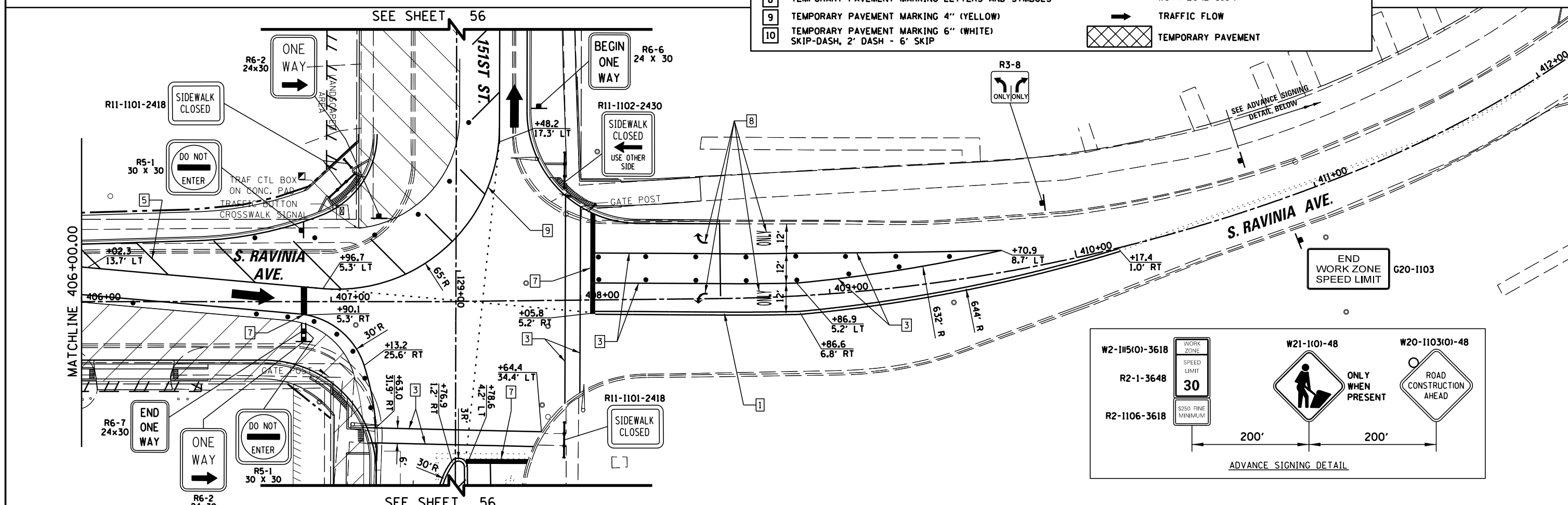
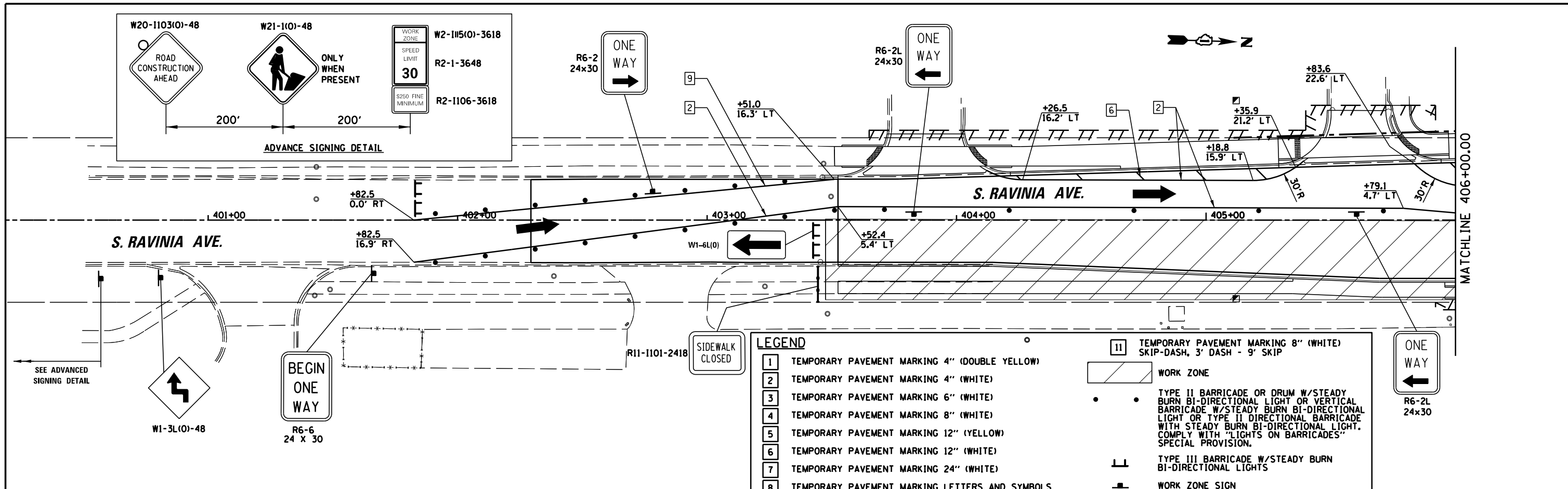


**LEGEND**

1	TEMPORARY PAVEMENT MARKING 4" (DOUBLE YELLOW)	11	TEMPORARY PAVEMENT MARKING 8" (WHITE) SKIP-DASH, 3' DASH - 9' SKIP
2	TEMPORARY PAVEMENT MARKING 4" (WHITE)	[Hatched Box]	WORK ZONE
3	TEMPORARY PAVEMENT MARKING 6" (WHITE)	[Barricade Symbol]	TYPE II BARRICADE OR DRUM W/STEADY BURN BI-DIRECTIONAL LIGHT OR VERTICAL BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHT OR TYPE II DIRECTIONAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT. COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
4	TEMPORARY PAVEMENT MARKING 8" (WHITE)	[Barricade Symbol]	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
5	TEMPORARY PAVEMENT MARKING 12" (YELLOW)	[Sign Symbol]	WORK ZONE SIGN
6	TEMPORARY PAVEMENT MARKING 12" (WHITE)	[Arrow Symbol]	TRAFFIC FLOW
7	TEMPORARY PAVEMENT MARKING 24" (WHITE)	[Cross-hatched Box]	TEMPORARY PAVEMENT
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS		
9	TEMPORARY PAVEMENT MARKING 4" (YELLOW)		
10	TEMPORARY PAVEMENT MARKING 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP		

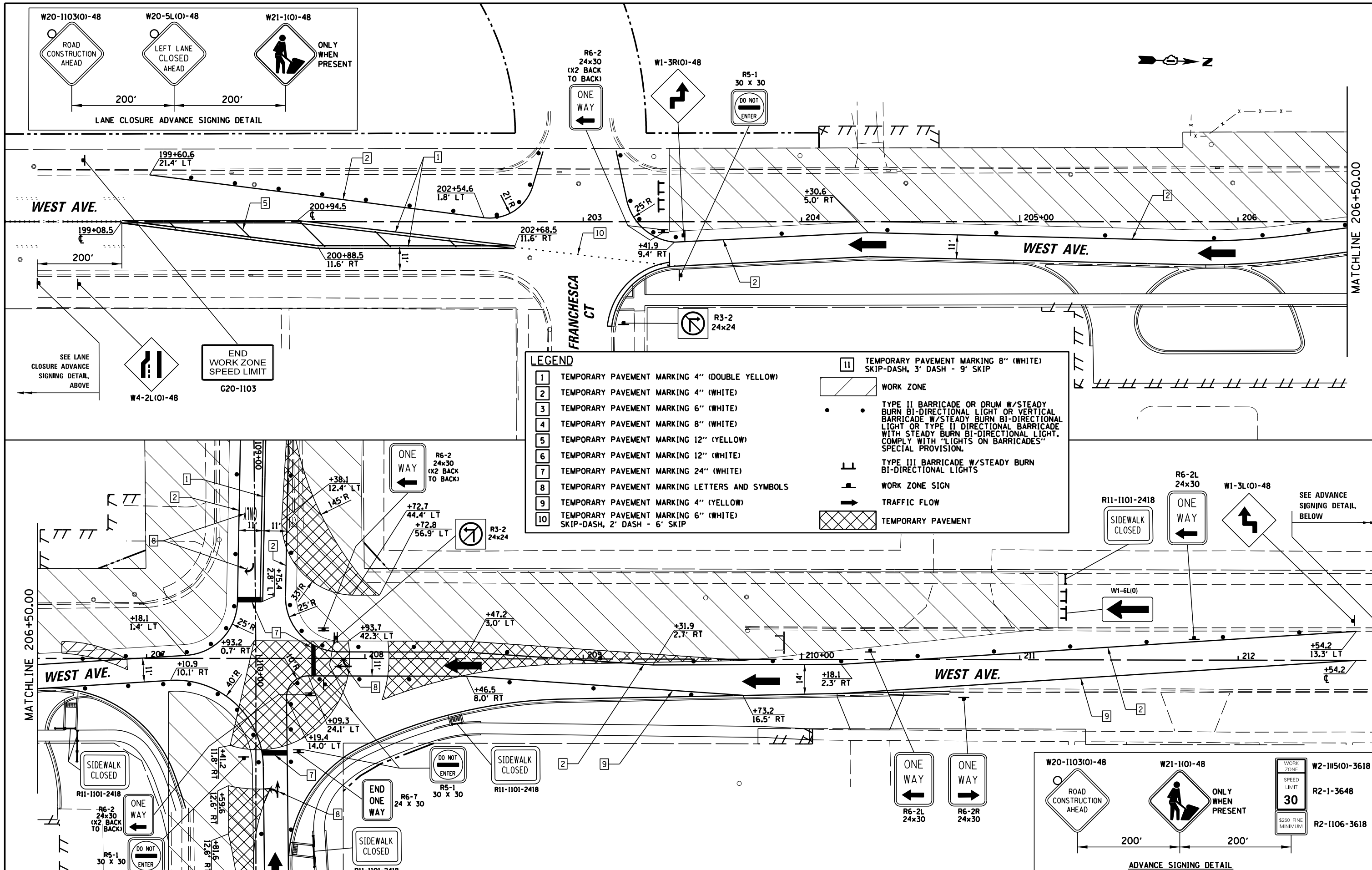
FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC - STAGE II 151st STREET</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ORLANDPARK\150272.ph2\Consultants\1017\Cadd_Deliverable\161F86-sht-MOT-Stage2-03.dwg	DRAWN -	REVISED -	1603			13-00071-00-WR	COOK	162	56	
Default	PLOT SCALE = 48"	CHECKED -	REVISED -			<b>CONTRACT NO. 61F86</b>				
	PLOT DATE = 7/30/2019	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				





**LEGEND**

1	TEMPORARY PAVEMENT MARKING 4" (DOUBLE YELLOW)	11	TEMPORARY PAVEMENT MARKING 8" (WHITE) SKIP-DASH, 3' DASH - 9' SKIP
2	TEMPORARY PAVEMENT MARKING 4" (WHITE)		WORK ZONE
3	TEMPORARY PAVEMENT MARKING 6" (WHITE)		TYPE II BARRICADE OR DRUM W/STEADY BURN BI-DIRECTIONAL LIGHT OR VERTICAL BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHT OR TYPE II DIRECTIONAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT. COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
4	TEMPORARY PAVEMENT MARKING 8" (WHITE)		TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
5	TEMPORARY PAVEMENT MARKING 12" (YELLOW)		WORK ZONE SIGN
6	TEMPORARY PAVEMENT MARKING 12" (WHITE)		TRAFFIC FLOW
7	TEMPORARY PAVEMENT MARKING 24" (WHITE)		TEMPORARY PAVEMENT
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS		
9	TEMPORARY PAVEMENT MARKING 4" (YELLOW)		
10	TEMPORARY PAVEMENT MARKING 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP		

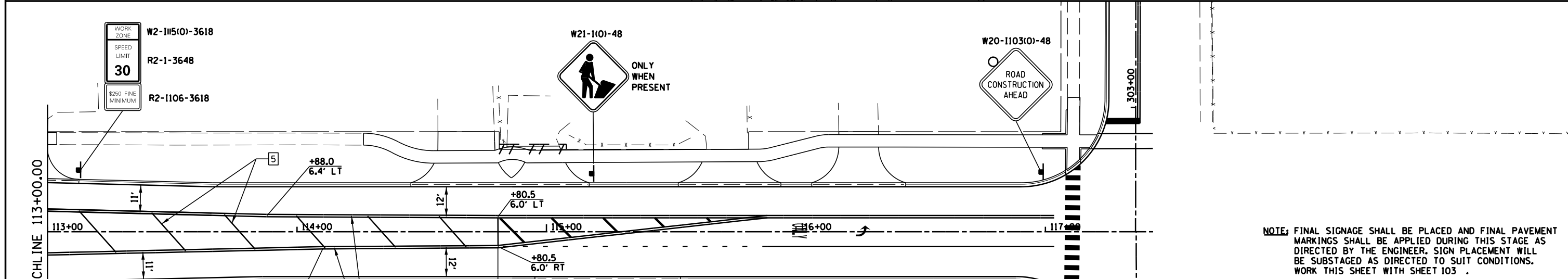
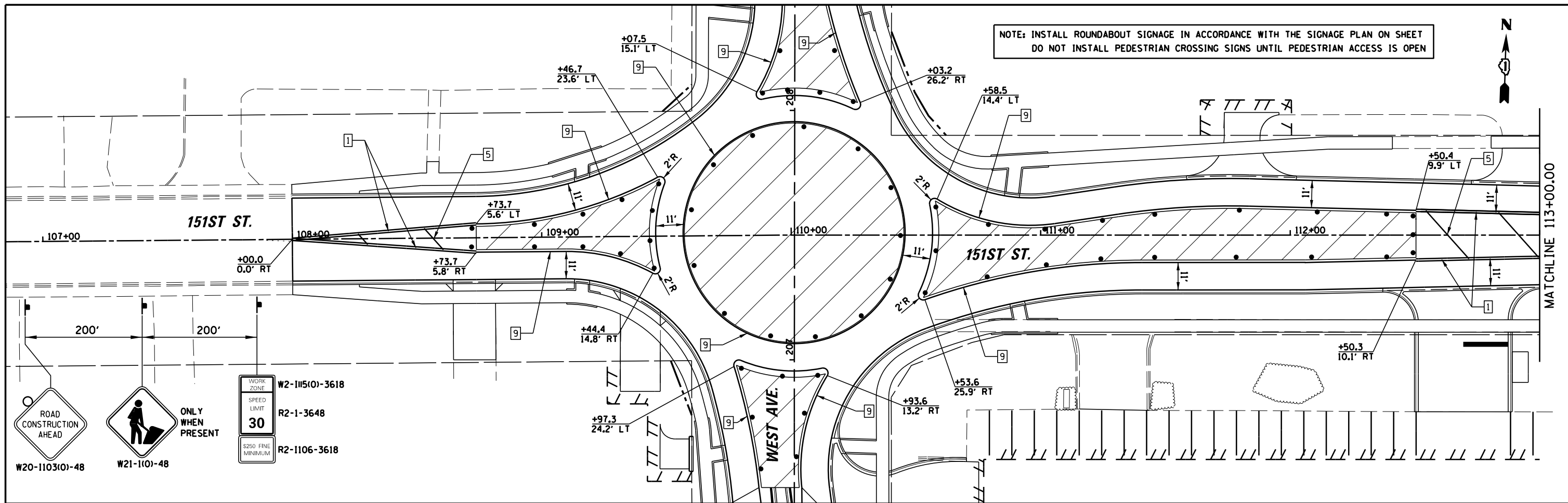


**LEGEND**

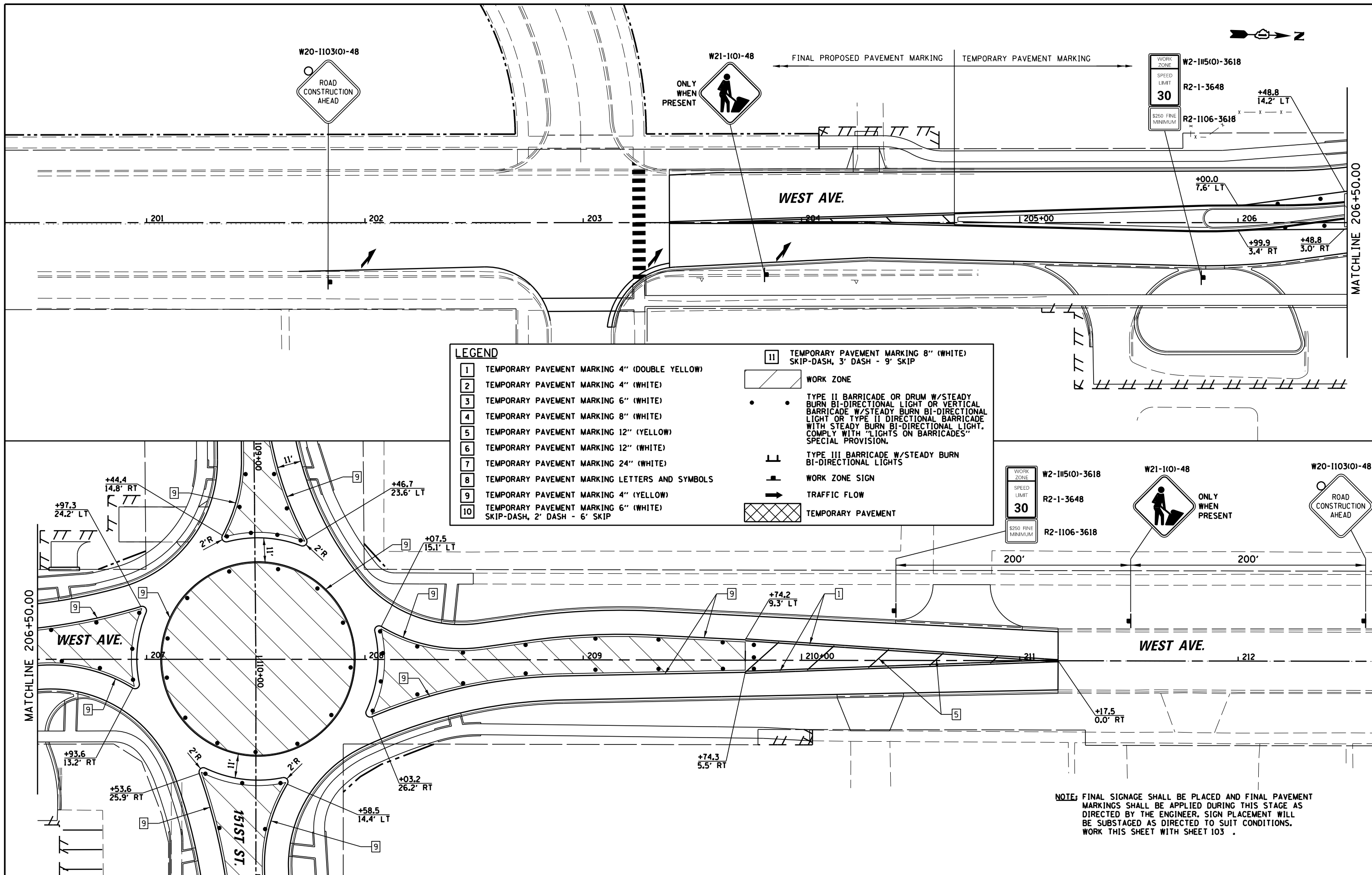
1	TEMPORARY PAVEMENT MARKING 4" (DOUBLE YELLOW)	11	TEMPORARY PAVEMENT MARKING 8" (WHITE) SKIP-DASH, 3' DASH - 9' SKIP
2	TEMPORARY PAVEMENT MARKING 4" (WHITE)	WORK ZONE	
3	TEMPORARY PAVEMENT MARKING 6" (WHITE)	• •	TYPE II BARRICADE OR DRUM W/STEADY BURN BI-DIRECTIONAL LIGHT OR VERTICAL BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHT OR TYPE II DIRECTIONAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT. COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
4	TEMPORARY PAVEMENT MARKING 8" (WHITE)	⊥	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
5	TEMPORARY PAVEMENT MARKING 12" (YELLOW)	⊥	WORK ZONE SIGN
6	TEMPORARY PAVEMENT MARKING 12" (WHITE)	→	TRAFFIC FLOW
7	TEMPORARY PAVEMENT MARKING 24" (WHITE)	▨	TEMPORARY PAVEMENT
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS		
9	TEMPORARY PAVEMENT MARKING 4" (YELLOW)		
10	TEMPORARY PAVEMENT MARKING 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP		

FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC - STAGE II WEST AVE</b>	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ORLANDPARK\150272.ph2\Consultants\1017\Cadd_Deliverable\1616\F86-sht-MOT-Stage2-05.dwg	PLOT SCALE = 48"	DRAWN -	REVISED -			1709	13-00071-00-WR	COOK	162	58	
Default	PLOT DATE = 7/30/2019	CHECKED -	REVISED -			SCALE: 1" = 20'			SHEET 5 OF 5 SHEETS STA. 201+00.00 TO STA. 212+00.00		CONTRACT NO. 61F86
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

NOTE: INSTALL ROUNDABOUT SIGNAGE IN ACCORDANCE WITH THE SIGNAGE PLAN ON SHEET  
DO NOT INSTALL PEDESTRIAN CROSSING SIGNS UNTIL PEDESTRIAN ACCESS IS OPEN



LEGEND	
1	TEMPORARY PAVEMENT MARKING 4" (DOUBLE YELLOW)
2	TEMPORARY PAVEMENT MARKING 4" (WHITE)
3	TEMPORARY PAVEMENT MARKING 6" (WHITE)
4	TEMPORARY PAVEMENT MARKING 8" (WHITE)
5	TEMPORARY PAVEMENT MARKING 12" (YELLOW)
6	TEMPORARY PAVEMENT MARKING 12" (WHITE)
7	TEMPORARY PAVEMENT MARKING 24" (WHITE)
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
9	TEMPORARY PAVEMENT MARKING 4" (YELLOW)
10	TEMPORARY PAVEMENT MARKING 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP
11	TEMPORARY PAVEMENT MARKING 8" (WHITE) SKIP-DASH, 3' DASH - 9' SKIP
	WORK ZONE
	TYPE II BARRICADE OR DRUM W/STEADY BURN BI-DIRECTIONAL LIGHT OR VERTICAL BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHT OR TYPE II DIRECTIONAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT. COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
	WORK ZONE SIGN
	TRAFFIC FLOW
	TEMPORARY PAVEMENT



LEGEND	
1	TEMPORARY PAVEMENT MARKING 4" (DOUBLE YELLOW)
2	TEMPORARY PAVEMENT MARKING 4" (WHITE)
3	TEMPORARY PAVEMENT MARKING 6" (WHITE)
4	TEMPORARY PAVEMENT MARKING 8" (WHITE)
5	TEMPORARY PAVEMENT MARKING 12" (YELLOW)
6	TEMPORARY PAVEMENT MARKING 12" (WHITE)
7	TEMPORARY PAVEMENT MARKING 24" (WHITE)
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
9	TEMPORARY PAVEMENT MARKING 4" (YELLOW)
10	TEMPORARY PAVEMENT MARKING 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP
II	TEMPORARY PAVEMENT MARKING 8" (WHITE) SKIP-DASH, 3' DASH - 9' SKIP
[Hatched Box]	WORK ZONE
[Barricade Symbol]	TYPE II BARRICADE OR DRUM W/STEADY BURN BI-DIRECTIONAL LIGHT OR VERTICAL BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHT OR TYPE II DIRECTIONAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT. COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
[Barricade Symbol]	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
[Sign Symbol]	WORK ZONE SIGN
[Arrow Symbol]	TRAFFIC FLOW
[Cross-hatched Box]	TEMPORARY PAVEMENT

NOTE: FINAL SIGNAGE SHALL BE PLACED AND FINAL PAVEMENT MARKINGS SHALL BE APPLIED DURING THIS STAGE AS DIRECTED BY THE ENGINEER. SIGN PLACEMENT WILL BE SUBSTAGED AS DIRECTED TO SUIT CONDITIONS. WORK THIS SHEET WITH SHEET 103 .

FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC - STAGE III WEST AVE</b>	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ORLANDPARK\150272.ph2\Consultants\1017\Cadd_Deliverable\1511F86-sh1-MOT-Stage3-02.dwg	PLLOT SCALE = 48"	DRAWN -	REVISED -			1709	13-00071-00-WR	COOK	162	60
Default	PLLOT DATE = 7/30/2019	CHECKED -	REVISED -			<b>CONTRACT NO. 61F86</b>				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 201+00.00 TO STA. 212+00.00



NOT TO SCALE

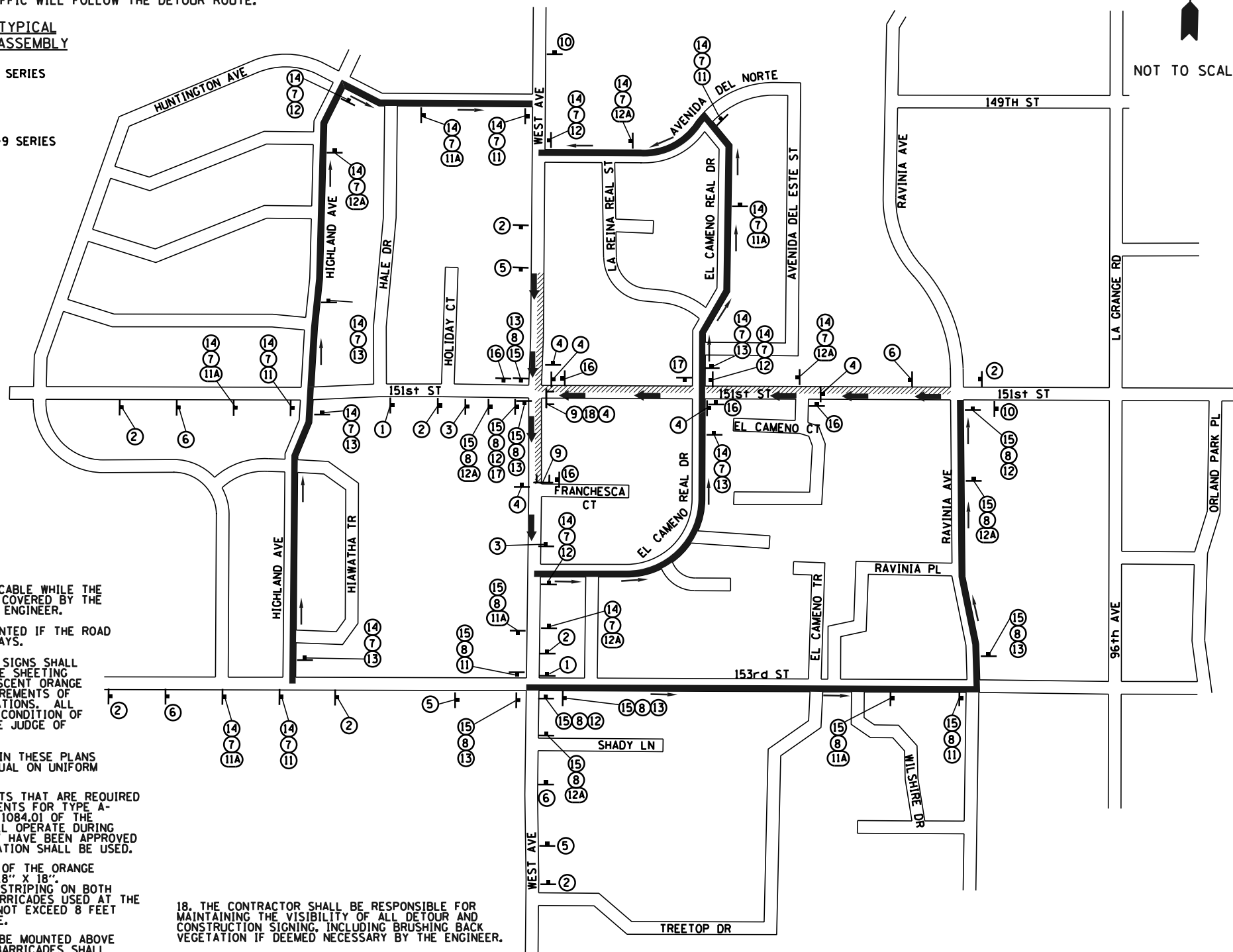
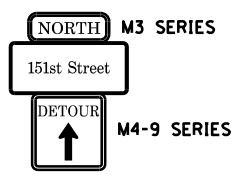
- ① ROAD CLOSED AHEAD  
W20-3(0) 4848
- ② DETOUR AHEAD  
W20-2(0) 4848
- ③ ROAD CLOSED 500 FT  
W20-3(0) 4848
- ④ DO NOT ENTER  
R5-1
- ⑤ BB 151st St CLOSED FROM West Ave TO Ravinia Ave  
SPECIAL VARIABLE x 24 4" BLACK LETTERS ON ORANGE REFLECTIVE BACKGROUND
- ⑥ NB West Ave CLOSED FROM El Cameno Real Dr TO Avenida Del Norte  
SPECIAL VARIABLE x 24 4" BLACK LETTERS ON ORANGE REFLECTIVE BACKGROUND
- ⑦ West Ave  
SPECIAL VARIABLE x 18 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND
- ⑧ 151st St  
SPECIAL VARIABLE x 18 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND
- ⑨ ROAD CLOSED  
R11-2 4830
- ⑩ END DETOUR  
M4-8A 2418
- ⑪ DETOUR ←  
M4-9L 3024
- ⑫ DETOUR →  
M4-9R 3024
- ⑬ DETOUR ↑  
M4-9 3024
- ⑭ NORTH  
M3-1(0) 2412
- ⑮ EAST  
M3-3(0) 2412
- ⑯ R3-1 2424
- ⑰ R3-2 2424
- ⑱ DETOUR →  
M4-10R 4818

**NOTES:**

ONE WAY WESTBOUND TRAFFIC ONLY WILL BE MAINTAINED ON 151st STREET FROM RAVINIA AVENUE TO WEST AVENUE. EASTBOUND TRAFFIC WILL FOLLOW THE DETOUR ROUTE.

ONE WAY SOUTHBOUND TRAFFIC ONLY WILL BE MAINTAINED ON WEST AVENUE FROM AVENIDA DEL NORTE TO 153rd STREET. NORTHBOUND TRAFFIC WILL FOLLOW THE DETOUR ROUTE.

**DETAIL FOR TYPICAL DETOUR SIGN ASSEMBLY**



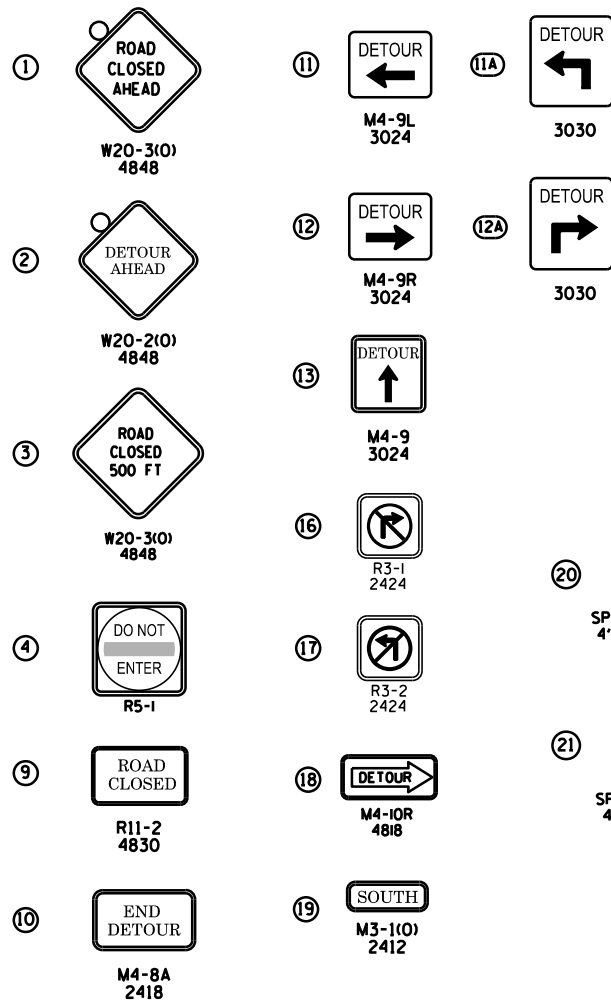
1. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES ADOPTED 2010", THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION.
2. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER SHALL DETERMINE THE HOUR OF CLOSURE. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES. CITY WILL PROVIDE CONTRACTOR WITH AGENCY NAMES AND CONTACT INFORMATION ONCE THE NOTICE IS SUBMITTED TO THE VILLAGE FOR REVIEW.
3. THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING PRIOR TO THE START OF THE WORK. THE VILLAGE OF ORLAND PARK REPRESENTATIVE FOR THIS DETOUR IS: MR. SEAN MARQUEZ, SENIOR PROJECT ENGINEER; 708-403-6171.
4. IF REQUESTED BY THE CONTRACTOR IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT, THE ENGINEER WILL FIELD LOCATE THE POSITIONS OF ANY SIGNS.
5. LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS, WITH THE APPROVAL OF THE ENGINEER.
6. THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM/HER ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.
8. THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLAN IS THE MINIMUM NECESSARY FOR THIS ROAD CLOSURE. THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL THAT IS DEEMED NECESSARY BY THE ENGINEER. ADDITIONS AND DELETIONS OF TRAFFIC CONTROL FOR THIS DETOUR SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

9. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.
10. ALL DETOUR SIGNING SHALL BE POST MOUNTED IF THE ROAD CLOSURE IS TO EXCEED FOUR (4) CALENDAR DAYS.
11. ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF ARTICLE 1084.02 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION OF THE SIGNS. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
12. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
13. AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1084.01 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
14. WHEN REQUIRED THE MINIMUM DIMENSIONS OF THE ORANGE WARNING FLAGS SHOWN IN THESE PLANS ARE 18" X 18". ALL BARRICADES SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THRU TRAFFIC SHALL NOT EXCEED 8 FEET IN WIDTH EACH, FOR A SINGLE APPROACH LANE.
15. THE "ROAD CLOSED" (R11-2) SIGNS SHALL BE MOUNTED ABOVE THE TOP OF THE BARRICADE. ALL TYPE III BARRICADES SHALL HAVE TWO (2) AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINE OF THE SUPPORTS.
16. THE ROAD NAME SIGN SHALL HAVE A BLACK LEGEND ON FLUORESCENT ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE A 9" X VARIABLE OR A 12" X VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6" WITH 5" LOWER CASE.
17. DURING NON-WORKING HOURS AT THE POINT OF ROAD CLOSURE TO ALL TRAFFIC THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
19. THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) HOURS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES. VILLAGE WILL PROVIDE CONTRACTOR WITH AGENCY NAMES AND CONTACT INFORMATION ONCE THE NOTICE IS SUBMITTED TO THE VILLAGE FOR REVIEW.
20. STAGE I WORK ZONES ARE SHOWN. STAGE II DETOUR PLAN IS THE SAME EXCEPT FOR LOCATIONS OF WORK ZONES WITHIN THE RIGHTS OF WAY. THE CONTRACTOR SHALL SHIFT DETOUR SIGNAGE AS NECESSARY FOR SUCCESSIVE TRAFFIC STAGES AND AS DIRECTED BY THE ENGINEER.

**LEGEND**

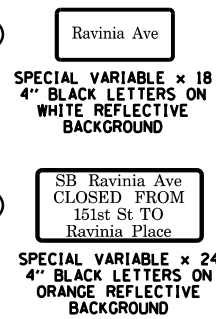
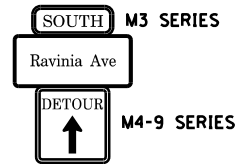
- DETOUR ROUTE AND SIGNAGE ASSOCIATED WITH 151st STREET AND WEST AVENUE LANE CLOSURES
- CONSTRUCTION ZONE
- TRAFFIC FOLLOWING THE DETOUR ROUTE
- ONE WAY TRAFFIC



**NOTES:**

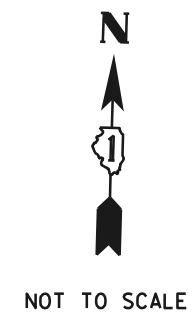
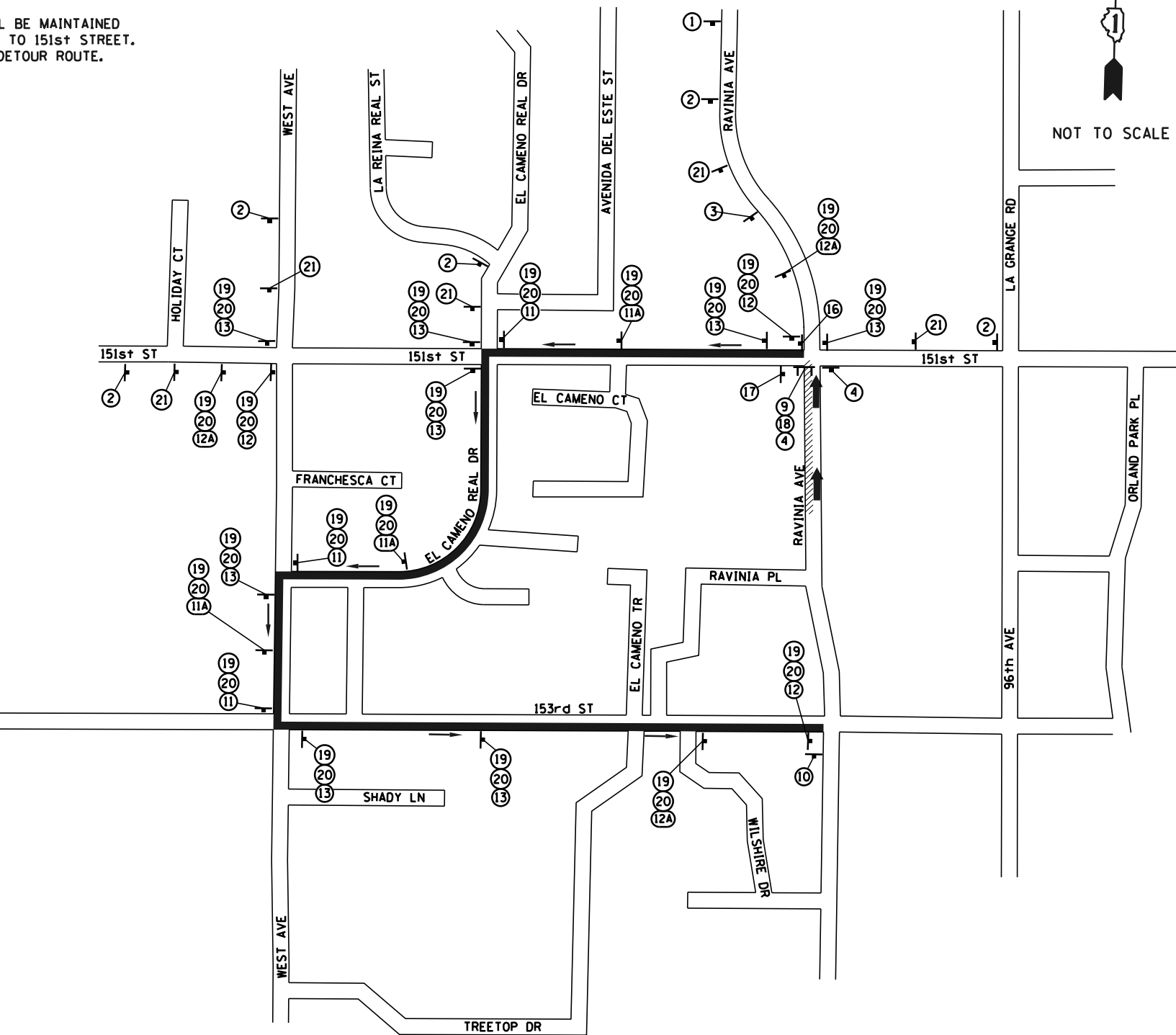
ONE WAY NORTHBOUND TRAFFIC ONLY WILL BE MAINTAINED ON RAVINIA AVENUE FROM RAVINIA PLACE TO 151st STREET. SOUTHBOUND TRAFFIC WILL FOLLOW THE DETOUR ROUTE.

**DETAIL FOR TYPICAL DETOUR SIGN ASSEMBLY**

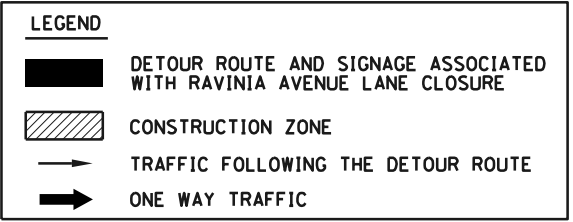


- ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES ADOPTED 2010", THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION.
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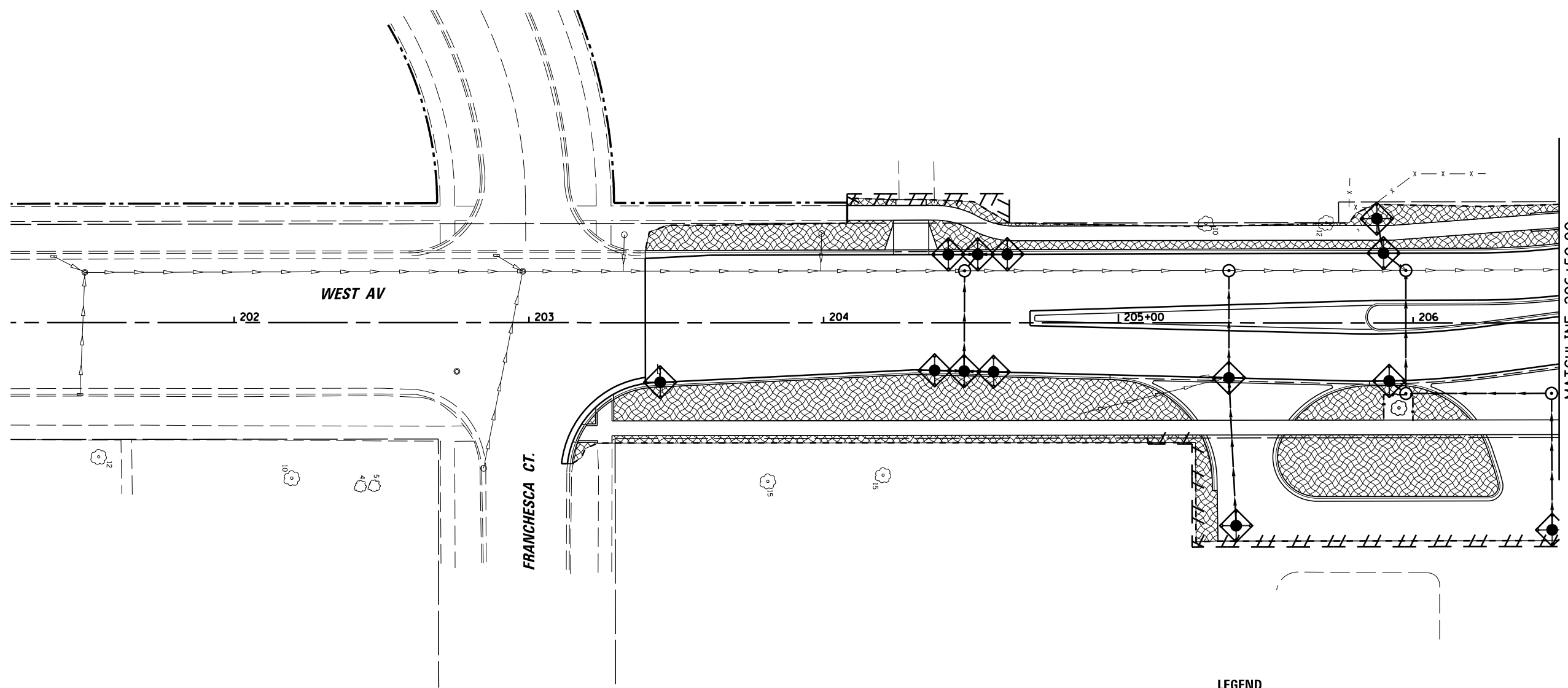
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- ALL DETOUR SIGNING SHALL BE POST MOUNTED IF THE ROAD CLOSURE IS TO EXCEED FOUR (4) CALENDAR DAYS.
- ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF ARTICLE 1084.02 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION OF THE SIGNS. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
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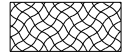


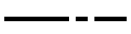
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
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- STAGE I WORK ZONES ARE SHOWN. STAGE II DETOUR PLAN IS THE SAME EXCEPT FOR LOCATIONS OF WORK ZONES WITHIN THE RIGHTS OF WAY. THE CONTRACTOR SHALL SHIFT DETOUR SIGNAGE AS NECESSARY FOR SUCCESSIVE TRAFFIC STAGES AND AS DIRECTED BY THE ENGINEER.



FILE NAME : N:\ORLANDPARK\1502722.ph2\Consultants\1007\Cadd_Deliverable\0161F86-shd-detour02.dgn	USER NAME : pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAVINIA AVENUE STAGE I &amp; II DETOUR PLAN</b>			F.A. RTE. 1603/3000	SECTION 13-00071-00-WR	COUNTY COOK	TOTAL SHEETS 162	SHEET NO. 62
Default	PLOT SCALE : 2"	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT
	PLOT DATE : 7/19/2019	DATE -	REVISED -		<b>CONTRACT NO. 61F86</b>							



**LEGEND**

-  INLET FILTERS
-  TEMPORARY SEEDING
-  TEMPORARY DITCH CHECK
-  TEMPORARY FENCE
-  TREE ROOT PRUNING

NOTE: WHEN PERMANENT PLANTING TREATMENT (SEE LANDSCAPING PLAN) CANNOT TAKE PLACE RIGHT AFTER GRADING, APPLY TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET.

FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -
N:\ORLANDPARK\150272.ph2\Consultants\1007\Cadd_Deliverable\1616186-shd-ECP-01.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 7/11/2019	DATE -	REVISED -

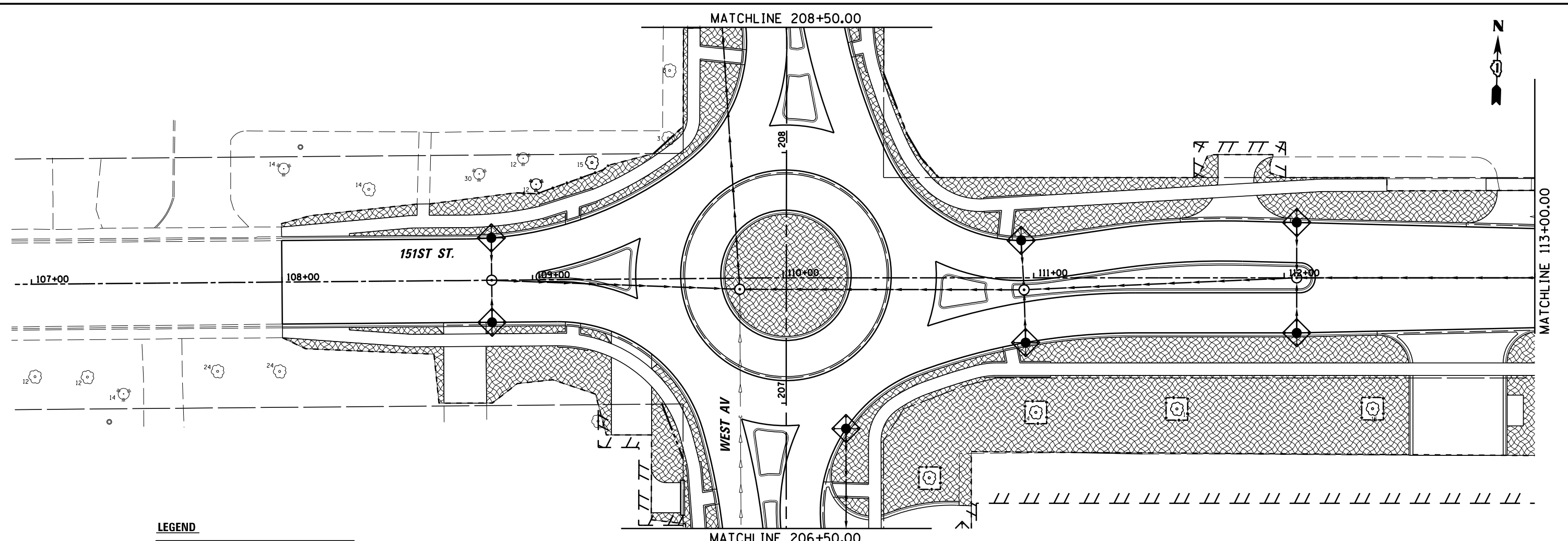
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL AND TREE PROTECTION PLAN  
WEST AVENUE**

SCALE: 1" = 20' SHEET 1 OF 5 SHEETS STA. 201+50.00 TO STA. 206+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1603	13-00071-00-WR	COOK	162	63
<b>CONTRACT NO. 61F86</b>				
ILLINOIS FED. AID PROJECT				

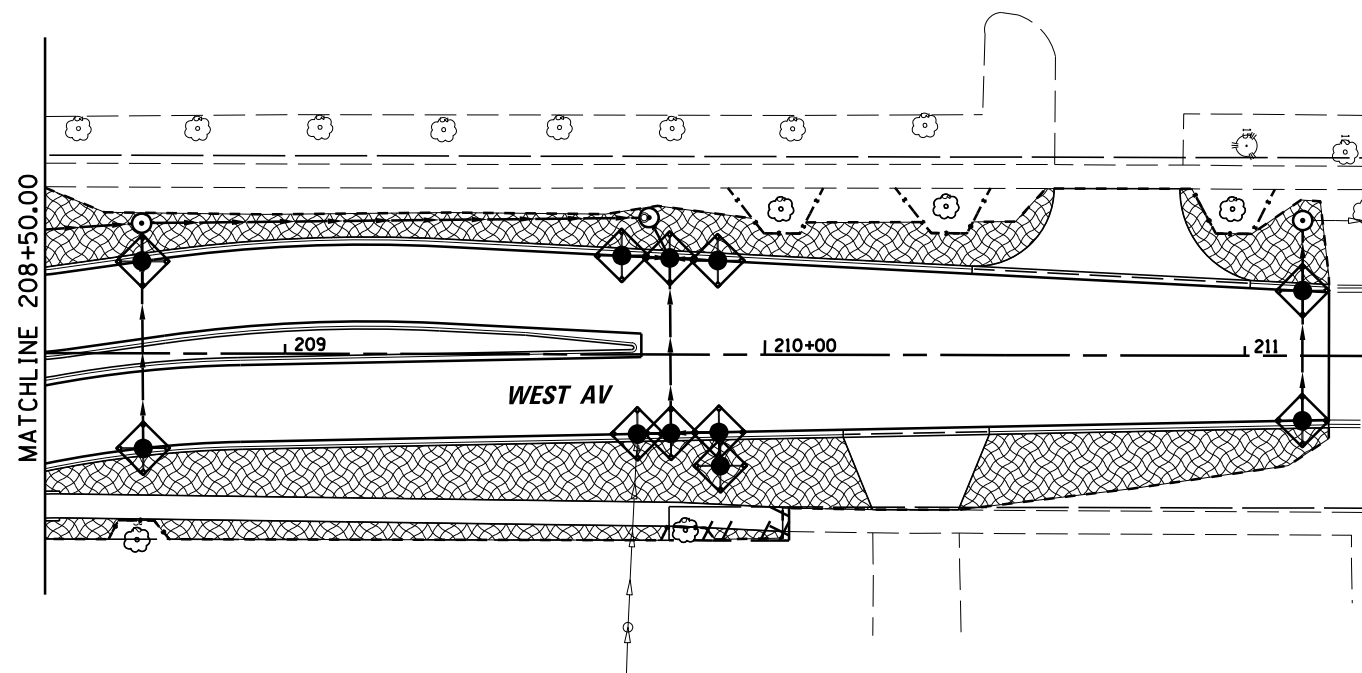




**LEGEND**

	INLET FILTERS
	TEMPORARY SEEDING
	TEMPORARY DITCH CHECK
	TEMPORARY FENCE
	TREE ROOT PRUNING

NOTE: WHEN PERMANENT PLANTING TREATMENT (SEE LANDSCAPING PLAN) CANNOT TAKE PLACE RIGHT AFTER ROUGH GRADING, APPLY TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET.



FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -
N:\ORLANDPARK\150272.ph2\Consultants\1007\Cadd_Deliverable\16161F86-sht-ECP-02.dgn		DRAWN -	REVISED -
Default		CHECKED -	REVISED -
	PLOT DATE = 7/11/2019	DATE -	REVISED -

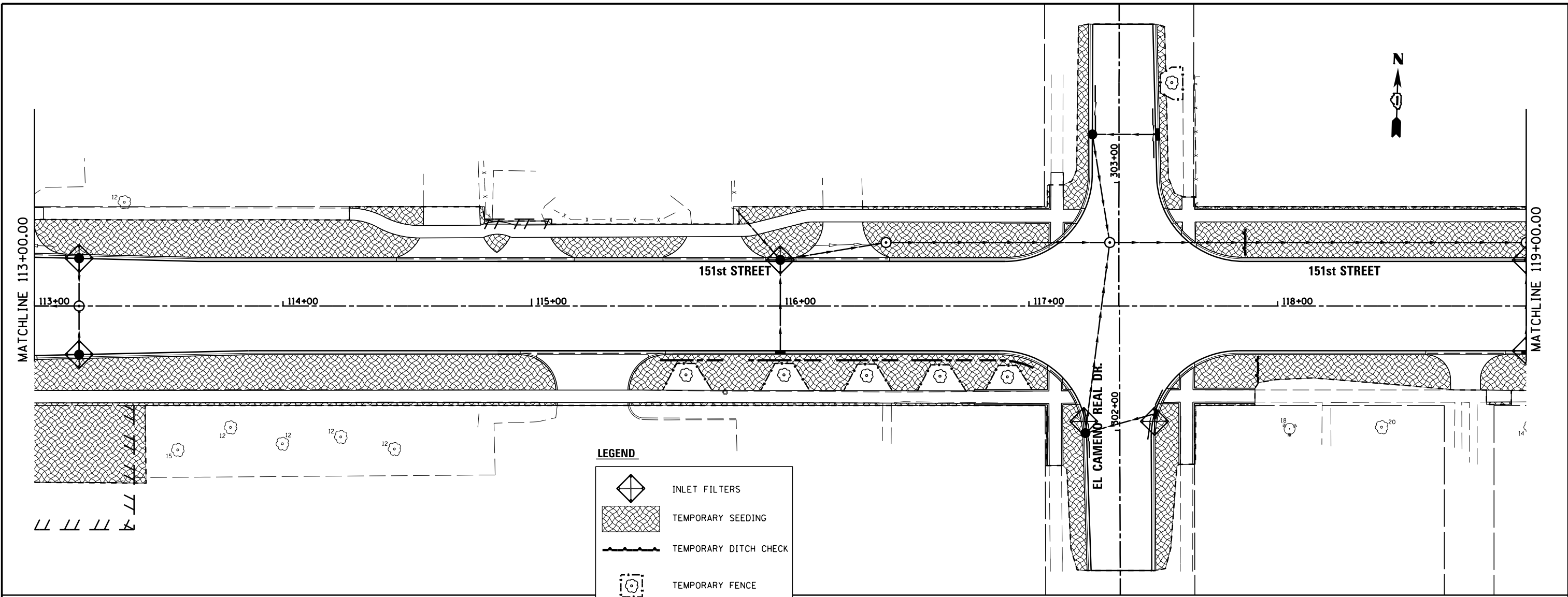
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL AND TREE PROTECTION PLAN  
151st STREET**






SCALE: 1" = 20' SHEET 2 OF 5 SHEETS STA. 108+00.00 TO STA. 113+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1603	13-00071-00-WR	COOK	162	64
<b>CONTRACT NO. 61F86</b>				
ILLINOIS FED. AID PROJECT				

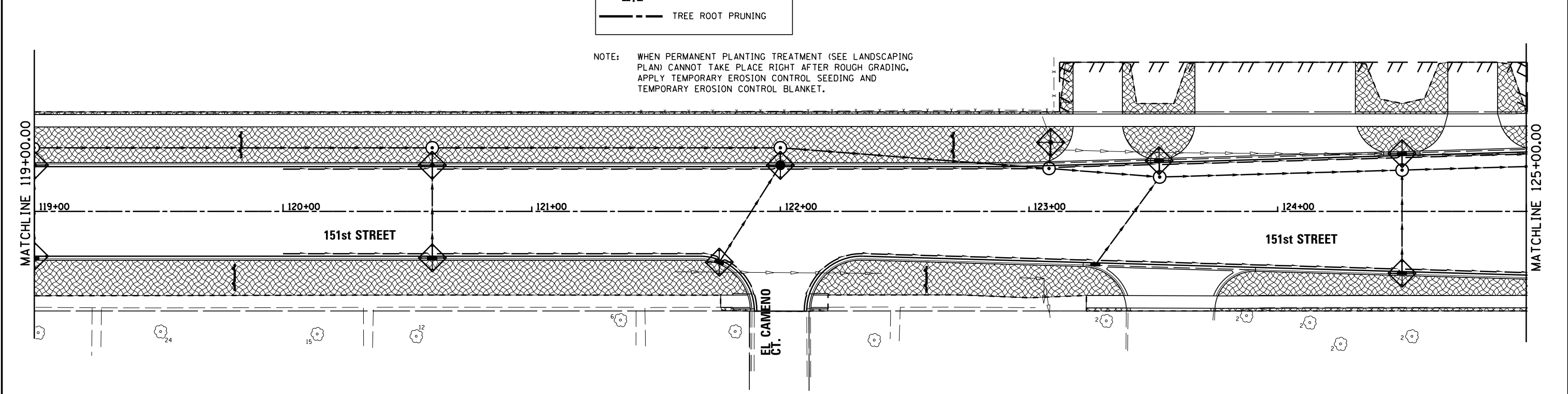




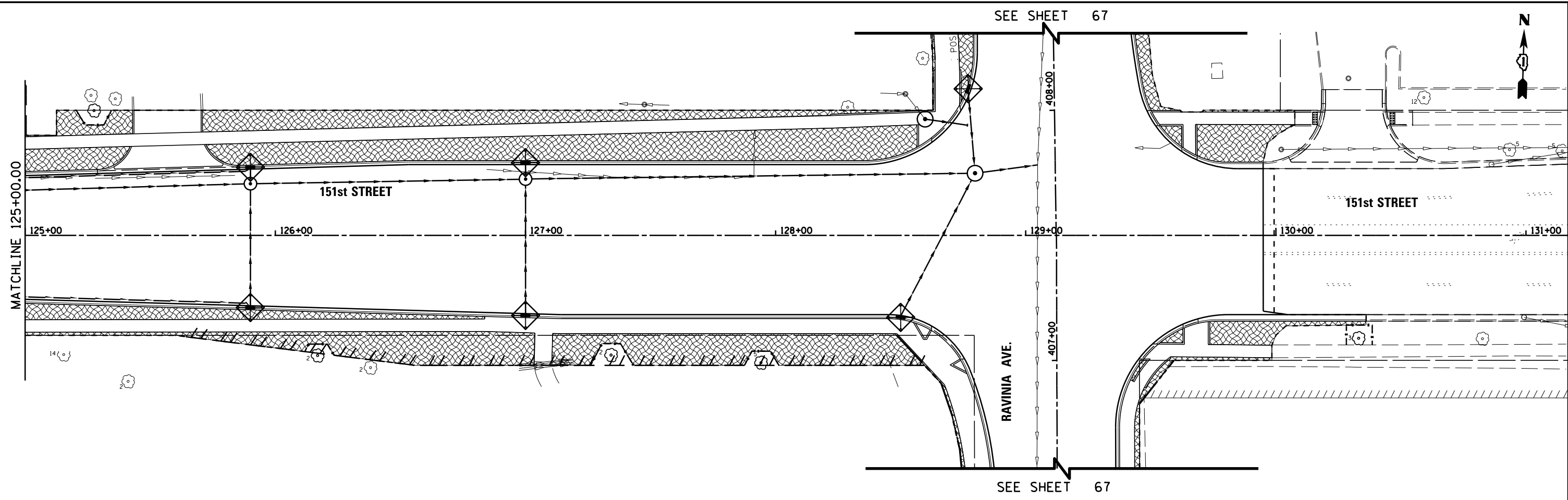
**LEGEND**

-  INLET FILTERS
-  TEMPORARY SEEDING
-  TEMPORARY DITCH CHECK
-  TEMPORARY FENCE
-  TREE ROOT PRUNING

NOTE: WHEN PERMANENT PLANTING TREATMENT (SEE LANDSCAPING PLAN) CANNOT TAKE PLACE RIGHT AFTER ROUGH GRADING, APPLY TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET.



FILE NAME = N:\ORLANDPARK\150272.ph2\Consultants\1007\Cadd_Deliverable\161F86-sh1-ECP-03.dgn	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL AND TREE PROTECTION PLAN 151st STREET</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 48"	DRAWN -	REVISED -			1603	13-00071-00-WR	COOK	162	65	
	PLOT DATE = 7/11/2019	CHECKED -	REVISED -			<b>CONTRACT NO. 61F86</b>					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



**LEGEND**

	INLET FILTERS
	TEMPORARY SEEDING
	TEMPORARY DITCH CHECK
	TEMPORARY FENCE
	TREE ROOT PRUNING

NOTE: WHEN PERMANENT PLANTING TREATMENT (SEE LANDSCAPING PLAN) CANNOT TAKE PLACE RIGHT AFTER ROUGH GRADING, APPLY TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET.

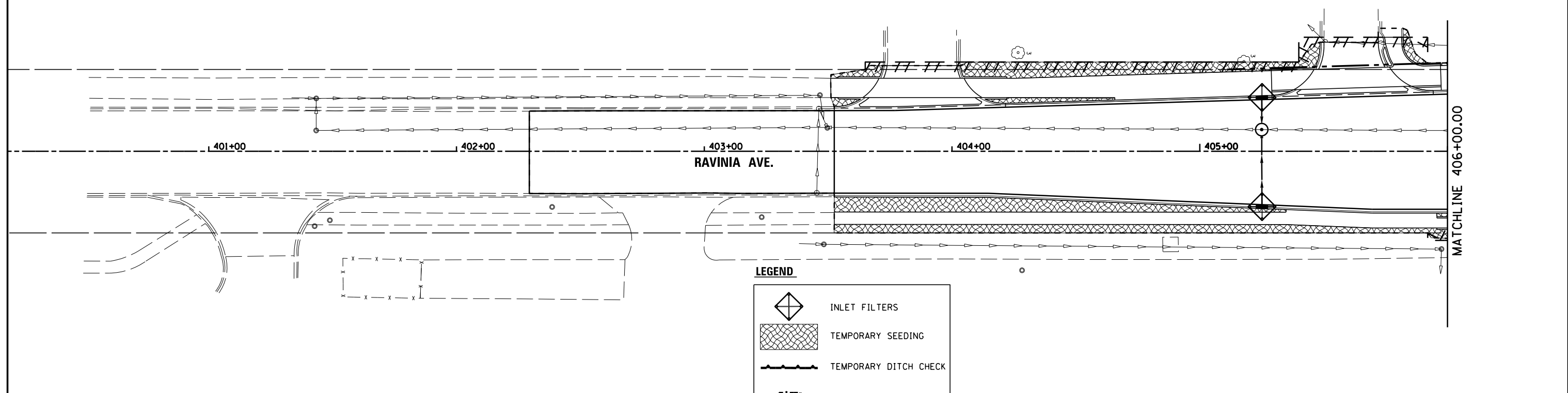
FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -
N:\ORLANDPARK\150272.ph2\Consultants\1007\Cadd_Deliverable\161F86-shr-ECP-04.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 7/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**






**EROSION CONTROL AND TREE PROTECTION PLAN  
151st STREET**

SCALE: 1" = 20' SHEET 4 OF 5 SHEETS STA. 125+00.00 TO STA. END

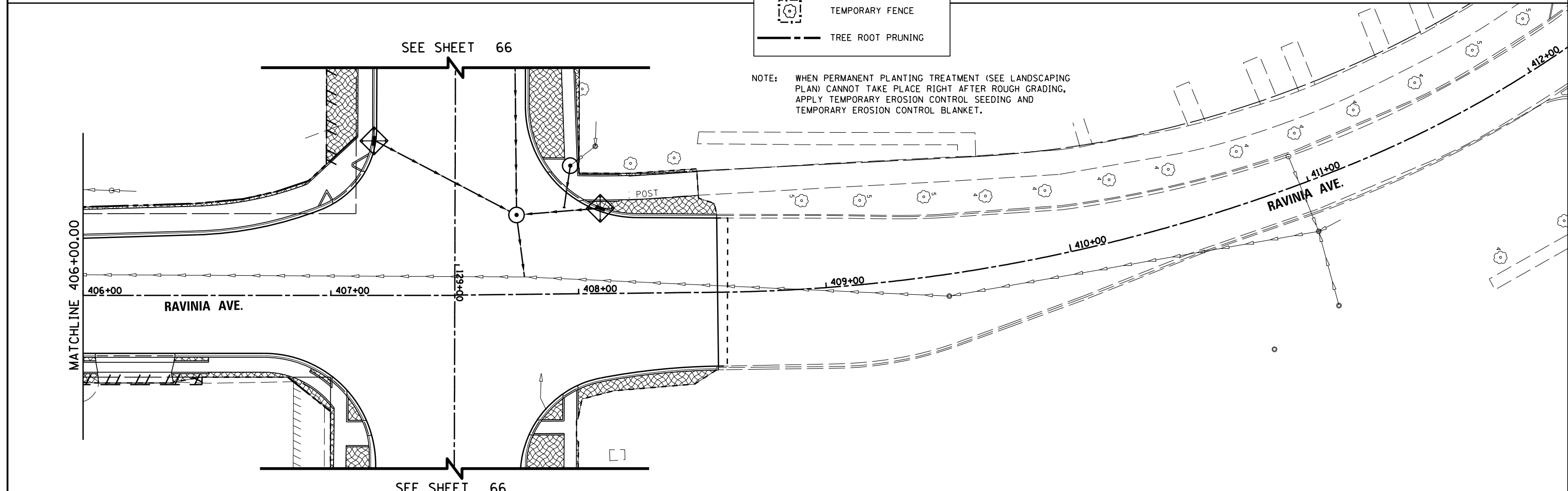
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1603	13-00071-00-WR	COOK	162	66
				<b>CONTRACT NO. 61F86</b>
ILLINOIS FED. AID PROJECT				



**LEGEND**

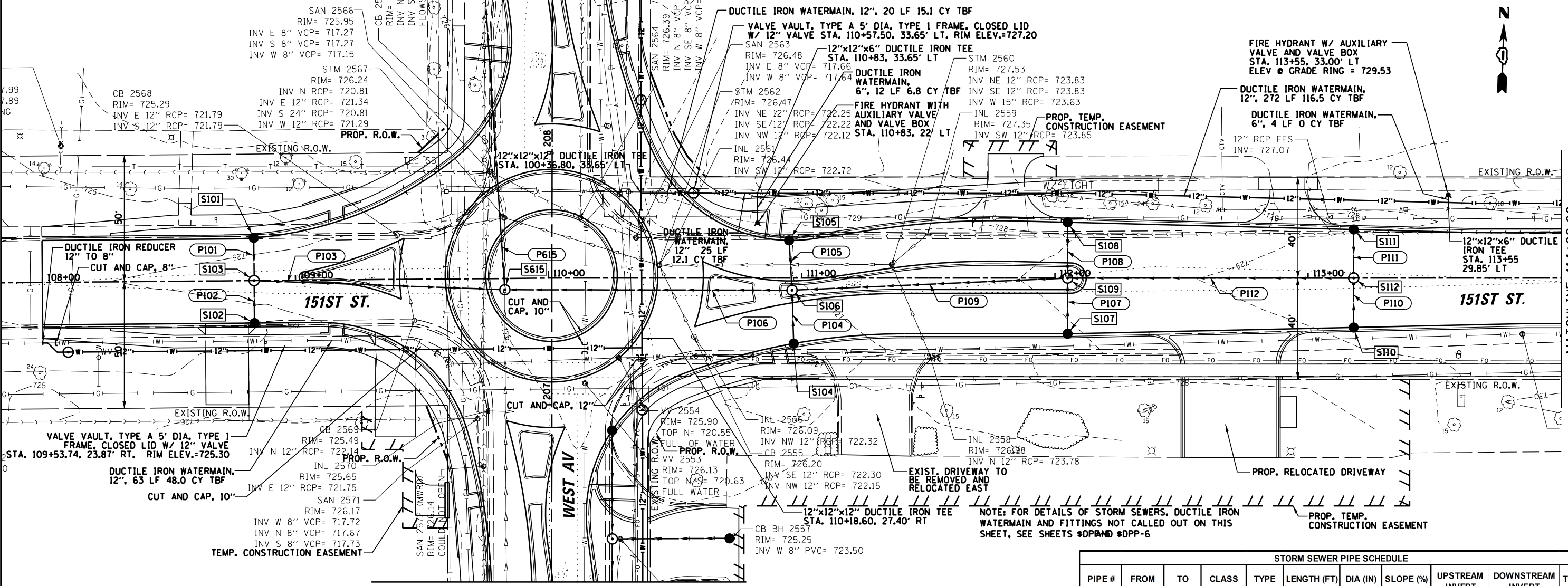
-  INLET FILTERS
-  TEMPORARY SEEDING
-  TEMPORARY DITCH CHECK
-  TEMPORARY FENCE
-  TREE ROOT PRUNING

NOTE: WHEN PERMANENT PLANTING TREATMENT (SEE LANDSCAPING PLAN) CANNOT TAKE PLACE RIGHT AFTER ROUGH GRADING, APPLY TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET.



FILE NAME = N:\ORLANDPARK\150272.ph2\Consultants\1007\Cadd_Deliverable\1616F86-shd-ECP-05.dgn	USER NAME = pmagnelli	DESIGNED -	REVISD -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL AND TREE PROTECTION PLAN RAVINIA AVE</b>	F.A.U. RTE. 1709	SECTION 13-00071-00-WR	COUNTY COOK	TOTAL SHEETS 162	SHEET NO. 67	
Default	PLOT SCALE = 48"	DRAWN -	REVISD -			SCALE: 1" = 20'	SHEET 5 OF 5 SHEETS	STA. 401+00 TO STA. 411+00		<b>CONTRACT NO. 61F86</b>	
	PLOT DATE = 7/11/2019	CHECKED -	REVISD -			ILLINOIS FED. AID PROJECT					
		DATE -	REVISD -								

MATCHLINE 208+60.00 SEE SHEET 72



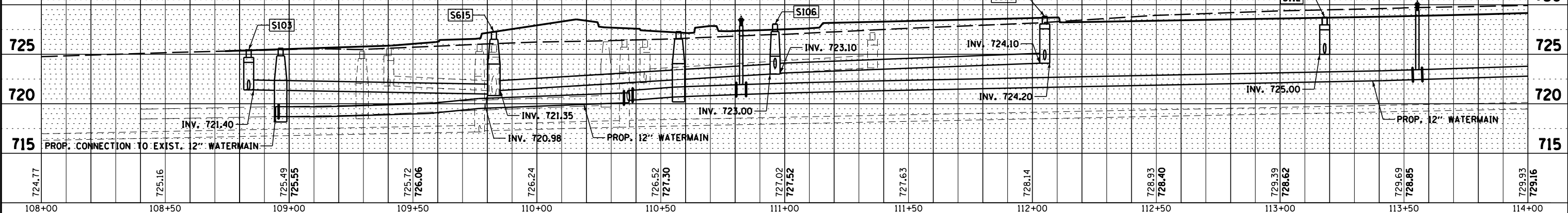
MATCHLINE 206+30.00 SEE SHEET 72

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STRUCTURE	STATION	OFFSET	RIM ELEVATION	INV (N)	INV (S)	INV (E)	INV (W)
S101	60208230	CATCH BASINS TYPE C, TYPE 23 FRAME AND GRATE	108+83.70	16.90' LT	724.78		
S102	60208230	CATCH BASINS TYPE C, TYPE 23 FRAME AND GRATE	108+83.70	16.80' RT	724.60	721.50	721.65
S103	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	108+83.70	CL	725.43	721.50	721.40
S104	60208230	CATCH BASINS TYPE C, TYPE 23 FRAME AND GRATE	110+96.80	25.85' RT	726.87	723.75	
S105	60208230	CATCH BASINS TYPE C, TYPE 23 FRAME AND GRATE	110+96.00	14.90' LT	727.14	724.05	
S106	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	110+96.15	4.80' RT	728.05	723.90	723.10
S107	60208230	CATCH BASINS TYPE C, TYPE 23 FRAME AND GRATE	112+05.00	22.00' RT	727.75	724.65	
S108	60208230	CATCH BASINS TYPE C, TYPE 23 FRAME AND GRATE	112+05.00	22.04' LT	727.75	724.65	
S109	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	112+05.00	CL	728.82	724.45	724.20
S110	60208230	CATCH BASINS TYPE C, TYPE 23 FRAME AND GRATE	113+18.00	19.50' RT	728.33	725.25	
S111	60208230	CATCH BASINS TYPE C, TYPE 23 FRAME AND GRATE	113+18.00	19.20' LT	728.34	725.25	
S112	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	113+18.00	CL	728.72	725.10	725.00

PIPE #	FROM	TO	CLASS	TYPE	LENGTH (FT)	DIA (IN)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TBF (CY)
P101	S101	S103	A	1	14	12	1.07%	721.65	721.50	1.8
P102	S102	S103	A	1	14	12	0.71%	721.50	721.40	1.8
P103	S103	S615	A	1	95	12	0.44%	721.40	720.98	12.5
P104	S104	S106	A	2	18	12	0.83%	723.75	723.60	2.4
P105	S105	S106	A	1	17	12	0.88%	724.05	723.90	2.2
P106	S106	S615	A	2	110	12	1.50%	723.00	721.35	9.6
P107	S107	S109	A	2	19	12	1.05%	724.65	724.45	2.5
P108	S108	S109	A	2	19	12	1.05%	724.65	724.45	2.5
P109	S109	S106	A	2	105	12	0.95%	724.10	723.10	25.8
P110	S110	S112	A	1	17	12	0.88%	725.25	725.10	2.2
P111	S111	S112	A	1	17	12	0.88%	725.25	725.10	2.2
P112	S112	S109	A	2	109	12	0.73%	725.00	724.20	19.1

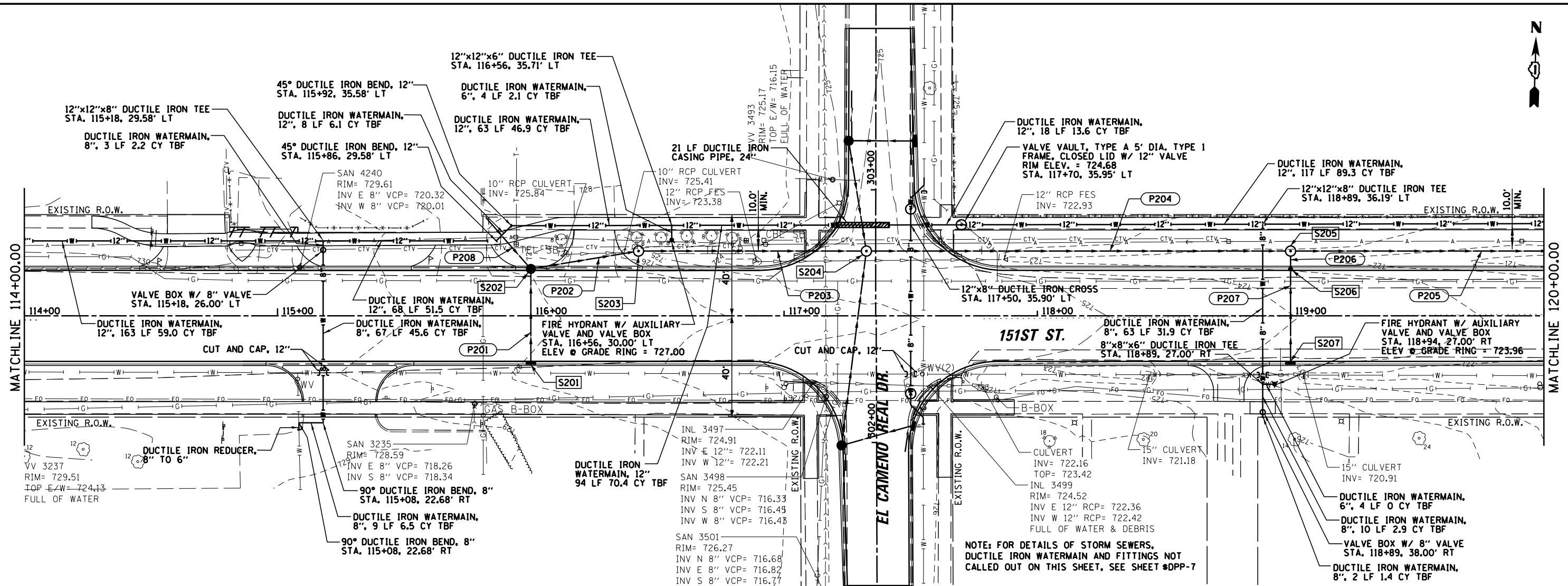






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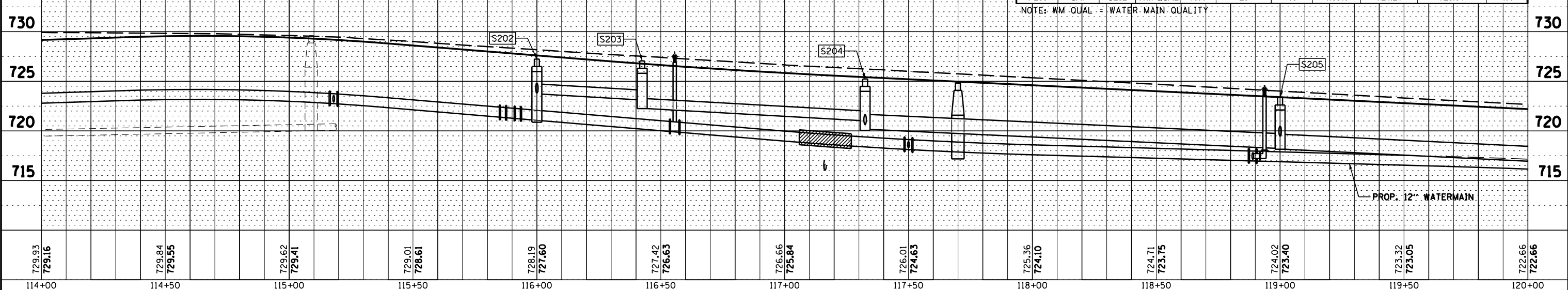
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STRUCTURE	STRUCTURE TYPE	STATION	OFFSET	RIM ELEVATION	INV (N)	INV (S)	INV (E)	INV (W)
S201	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	116+00.00	18.00' RT	727.24	724.15			
S202	CATCH BASINS TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	116+00.00	18.00' LT	727.24	723.94	723.82	723.71	
S203	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	116+42.50	25.58' LT	727.06			722.25	723.14
S204	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	117+32.50	25.58' LT	725.24	720.64	720.65	720.15	721.05
S205	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	119+00.00	25.58' LT	723.36		719.48	718.15	718.25
S206	CATCH BASINS TYPE C, TYPE 23 FRAME AND GRATE	119+00.00	18.00' LT	723.04	719.52	719.62		
S207	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	119+00.00	18.00' RT	723.04	719.95			

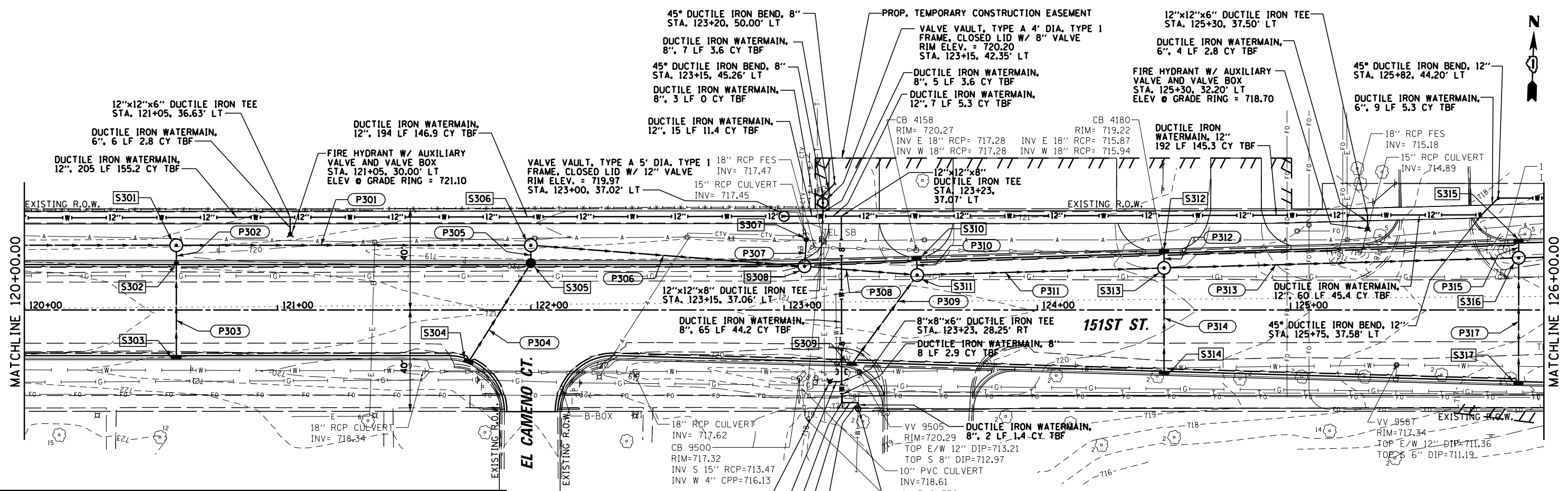
PIPE #	FROM	TO	CLASS	TYPE	LENGTH (FT)	DIA (IN)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TBF (CY)
P201	S201	S202	A	1	36	12	0.92%	724.15	723.82	4.6
P202	S202	S203	A	1	40	12	1.43%	723.71	723.14	8.1
P203	S203	S204	A	2	87	12	1.38%	722.25	721.05	4.8
P204	S204	S205	A	2	165	18	1.15%	720.15	718.25	9.6
P205	S205	S301	A	2	157	18	1.22%	718.15	716.23	0.0
P206	S206	S206	A	1	4	12	1.00%	719.52	719.48	0.7
P207	S207	S206	A	1	36	12	0.92%	719.95	719.62	4.6
P208	CAP	S202	WM QUAL	N/A	25	10	1.08%	724.21	723.94	1.4

NOTE: WM QUAL = WATER MAIN QUALITY

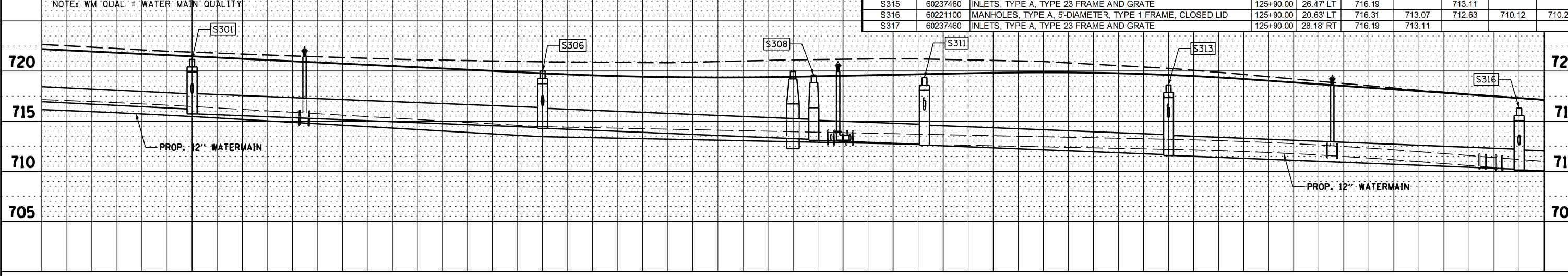


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PIPE #	FROM	TO	CLASS	TYPE	LENGTH (FT)	DIA (IN)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TBF (CY)
P301	S301	S306	A	2	136	24	0.99%	715.73	714.38	0.0
P302	S302	S301	A	1	4	12	1.00%	717.81	717.77	0.7
P303	S303	S302	A	1	36	12	0.94%	718.25	717.91	4.6
P304	S304	S305	A	1	45	12	1.07%	717.45	716.97	5.9
P305	S305	S306	A	1	4	12	1.00%	716.87	716.83	0.7
P306	S306	S308	A	2	105	24	1.04%	714.28	713.19	40.0
P307	S307	S308	A	1	8	15	15.00%	717.35	716.15	0.6
P308	S308	S311	WM QUAL	N/A	41	24	0.95%	713.09	712.70	27.6
P309	S309	S311	WM QUAL	N/A	42	12	1.00%	716.34	715.92	5.4
P310	S310	S311	A	1	4	12	1.00%	716.13	716.09	0.7
P311	S311	S313	A	2	94	24	0.99%	712.60	711.67	69.1
P312	S312	S313	A	1	4	12	1.00%	715.41	715.37	0.7
P313	S313	S316	A	2	136	24	0.99%	711.57	710.22	93.3
P314	S314	S313	A	1	39	12	1.03%	715.41	715.01	5.1
P315	S315	S316	A	1	4	12	1.00%	713.11	713.07	0.7
P316	S316	S402	A	2	106	24	0.99%	710.12	709.07	35.6
P317	S317	S402	A	1	48	12	1.00%	713.11	712.63	6.2



FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		DRAINAGE PLAN AND PROFILE 151st STREET		F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ORLANDPARK\1502722-ph2\Consultants\1001	Cadd_Deliverable\DI61F86-shd-drnplnprf03.dgn	DRAWN -	REVISED -					1603	13-00071-00-WR	COOK	162	70
Default	PLOT SCALE = 48"	CHECKED -	REVISED -					CONTRACT NO. 61F86				
	PLOT DATE = 7/19/2019	DATE -	REVISED -			SCALE: 20H 5V SHEET 3 OF 9 SHEETS STA. 120+00.00 TO STA. 126+00.00		ILLINOIS FED. AID PROJECT				

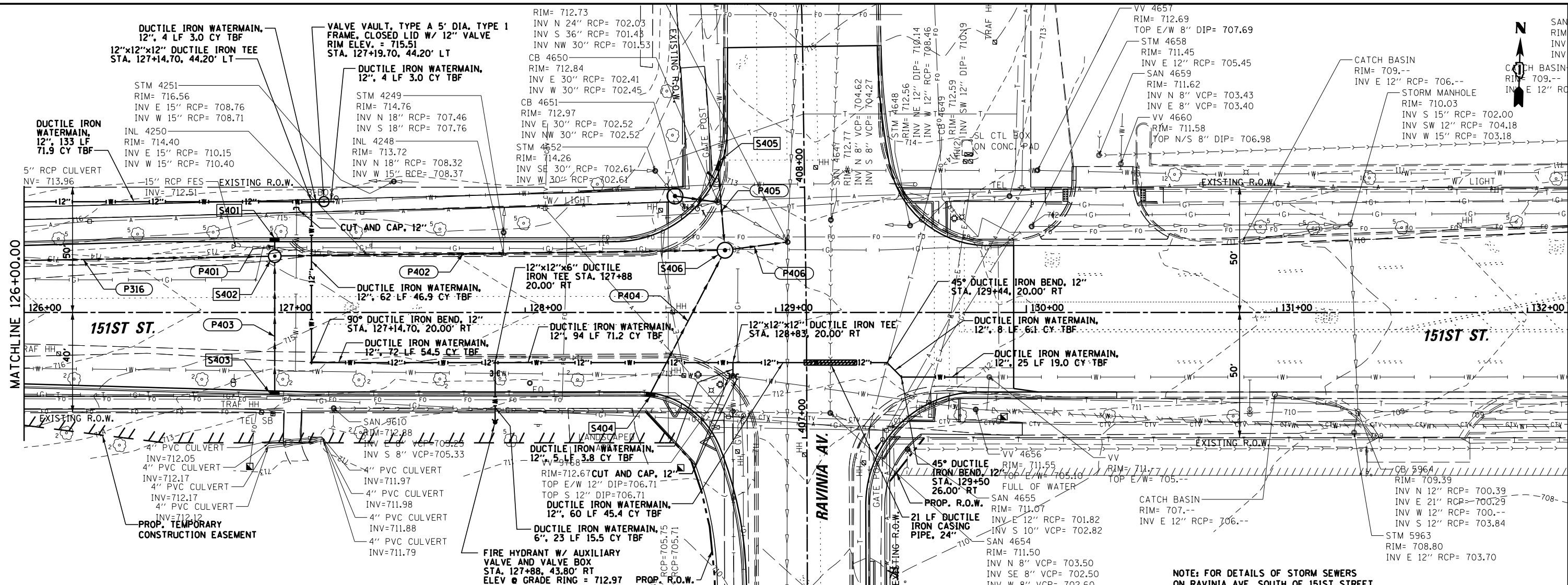
NOTE 1: PAY ITEM FOR 8" X 8" PRESSURE CONNECTION HAS BEEN PROVIDED FOR AT THIS LOCATION (TO BE CONFIRMED BY ENGINEER)

STRUCTURE	STRUCTURE TYPE	STATION	OFFSET	RIM ELEVATION	INV (N)	INV (S)	INV (E)	INV (W)
S301	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	120+60.00	25.58' LT	721.17		717.77	715.63	716.23
S302	CATCH BASINS, TYPE C, TYPE 23 FRAME AND GRATE	120+60.00	18.00' LT	721.34	717.81	717.91		
S303	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	120+60.00	18.00' RT	721.34	718.25			
S304	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	121+75.91	19.66' RT	720.52	717.45			
S305	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	122+00.00	18.00' LT	720.36	716.87	716.97		
S306	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	122+00.00	25.58' LT	720.00		716.83	714.18	714.28
S307	CATCH BASINS, TYPE C, TYPE 23 FRAME AND GRATE	123+08.91	28.82' LT	719.90	717.45	717.35		
S308	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	123+08.06	17.29' LT	719.60	716.15		713.09	713.19
S309	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	123+26.87	20.66' RT	719.42	716.34			
S310	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	123+52.28	19.68' LT	719.21		716.13		
S311	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	123+52.55	13.83' LT	719.35	716.09	715.92	712.60	712.70
S312	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	124+50.00	22.47' LT	718.49		715.41		
S313	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	124+50.00	16.62' LT	718.61	715.37	715.01	711.57	711.67
S314	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	124+50.00	24.17' RT	718.49	715.41			
S315	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	125+90.00	26.47' LT	716.19		713.11		
S316	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	125+90.00	20.63' LT	716.31	713.07	712.63	710.12	710.22
S317	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	125+90.00	28.18' RT	716.19	713.11			



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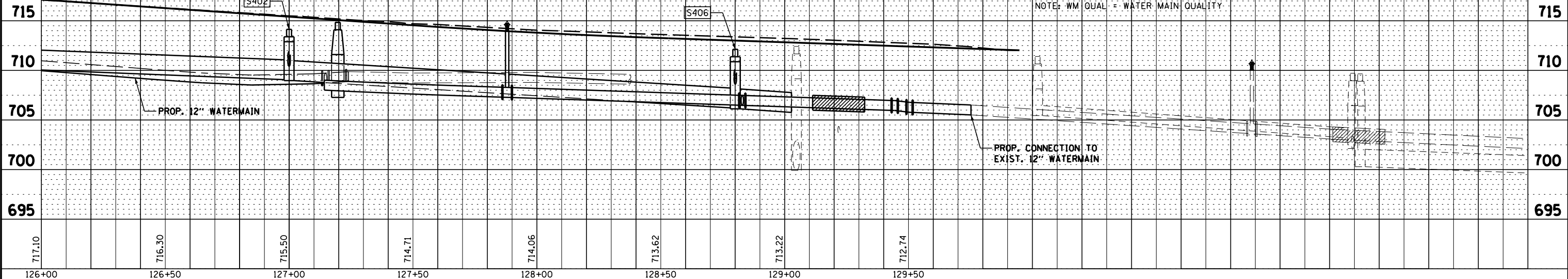


STRUCTURE	STRUCTURE TYPE	STATION	OFFSET	RIM ELEVATION	INV (N)	INV (S)	INV (E)	INV (W)
S401	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	127+00.00	28.28' LT	714.04	710.96	710.96	708.97	709.07
S402	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	127+00.00	22.50' LT	714.14	710.92	710.42	708.97	709.07
S403	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	127+00.00	31.32' RT	714.04	710.96	710.42	708.97	709.07
S404	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	128+50.12	32.08' RT	712.35	709.27			
S405	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	128+77.74	58.16' LT	712.49	709.41	709.41		
S406	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	128+79.74	24.83' LT	712.13	709.12	708.62	706.13	706.23

MATCHLINE 406+30.00  
SEE SHEET 75

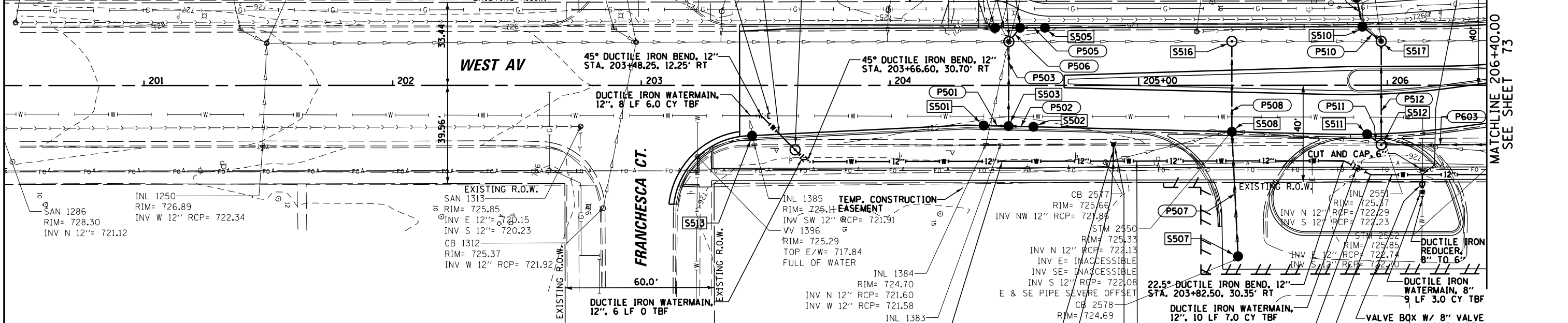
PIPE #	FROM	TO	CLASS	TYPE	LENGTH (FT)	DIA (IN)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TBF (CY)
P401	S401	S402	A	1	4	12	1.00%	710.96	710.92	0.7
P402	S402	S406	WM QUAL	N/A	176	24	1.56%	708.97	706.23	56.3
P403	S403	S402	A	1	53	12	1.02%	710.96	710.42	6.8
P404	S404	S406	WM QUAL	N/A	62	12	1.05%	709.27	708.62	8.2
P405	S405	S406	WM QUAL	N/A	31	12	0.94%	709.41	709.12	4.1
P406	S406	EX	A	2	23	24	1.57%	706.13	705.77	8.6

NOTE: WM QUAL = WATER MAIN QUALITY

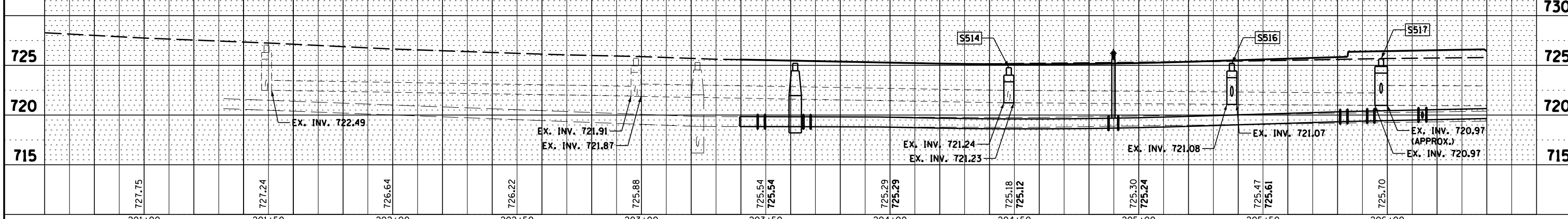


STORM SEWER PIPE SCHEDULE										
PIPE #	FROM	TO	CLASS	TYPE	LENGTH (FT)	DIA (IN)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TBF (CY)
P501	S501	S503	A	1	8	12	1.25%	721.75	721.65	1.1
P502	S502	S503	A	1	8	12	1.25%	721.75	721.65	1.1
P503	S503	S514	A	1	32	12	0.62%	721.65	721.45	4.2
P504	S504	S506	A	1	8	12	1.25%	721.60	721.50	1.1
P505	S505	S506	A	1	8	12	1.25%	721.60	721.50	1.1
P506	S506	S514	A	1	4	12	1.25%	721.50	721.45	0.5
P507	S507	S508	WM QUAL	N/A	48	12	1.04%	722.60	722.10	6.3
P508	S508	S516	A	1	35	12	1.00%	722.10	721.75	4.6
P509	S509	S510	A	1	10	12	1.00%	722.45	722.35	0.3
P510	S510	S517	A	1	8	12	1.25%	722.35	722.25	1.1
P511	S511	S512	A	1	5	12	1.00%	722.45	722.40	0.7
P512	S512	S517	A	1	38	12	1.05%	722.05	721.65	6.0

NOTE: WM QUAL = WATER MAIN QUALITY  
 SAN 1109 (MWRD) RIM= 727.07  
 INV N 12" RCP= 722.49  
 INV S 12" RCP= 722.54  
 INV W 12" RCP= 722.74  
 INL 1121 RIM= 727.07  
 INV N 12" RCP= 722.49  
 INV S 12" RCP= 722.54  
 INV W 12" RCP= 722.74  
 INL 1139 RIM= 725.65  
 INV N 12" RCP= 722.55  
 INV S 12" RCP= 722.55  
 INV W 12" RCP= 722.55  
 EXISTING R.O.W.



DRAINAGE STRUCTURE TABLE									
STRUCTURE	STATION	OFFSET	RIM ELEVATION	INV (N)	INV (S)	INV (E)	INV (W)	STRUCTURE TYPE	
S501	60208230	CATCH BASINS	204+37.67	16.18' RT	724.82	721.75			TYPE C, TYPE 23 FRAME AND GRATE
S502	60208230	CATCH BASINS	204+57.67	16.68' RT	724.82		721.75		TYPE C, TYPE 23 FRAME AND GRATE
S503	60201330	CATCH BASINS	204+47.67	16.43' RT	724.81	721.65	721.65		TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE
S504	60208230	CATCH BASINS	204+42.31	23.15' LT	724.67	721.60			TYPE C, TYPE 23 FRAME AND GRATE
S505	60208230	CATCH BASINS	204+62.31	23.20' LT	724.67		721.60		TYPE C, TYPE 23 FRAME AND GRATE
S506	60201330	CATCH BASINS	204+52.31	23.17' LT	724.66	721.50	721.50		TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE
S507	60206905	CATCH BASINS	205+40.00	68.85' RT	724.69			722.60	TYPE C, TYPE 1 FRAME OPEN LID
S508	60200105	CATCH BASINS	205+37.52	18.69' RT	725.19		722.10	722.10	TYPE A, 4'-DIAMETER, TYPE 1 FRAME OPEN LID
S509	60207605	CATCH BASINS	205+87.70	35.35' LT	724.18		722.45		TYPE C, TYPE 8 GRATE
S510	60201330	CATCH BASINS	205+90.00	23.60' LT	725.46		722.35	722.35	TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE
S511	60208230	CATCH BASINS	205+91.90	19.72' RT	725.54	722.45			TYPE C, TYPE 23 FRAME AND GRATE
S512	60218400	MANHOLES	205+97.56	24.00' RT	726.06	722.15	722.40	722.05	TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
S513	60208230	CATCH BASINS	203+44.55	20.25' RT	725.15	721.90			TYPE C, TYPE 23 FRAME AND GRATE
S514	60218400	MANHOLES	204+47.83	17.60' LT	724.77	721.23	721.24	721.45	TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
S515	60207605	CATCH BASINS	205+04.55	26.55' RT	725.60	722.50			TYPE C, TYPE 8 GRATE
S516	60218400	MANHOLES	205+37.50	17.70' LT	725.18	721.07	721.08	721.75	TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
S517	60221100	MANHOLES	205+97.55	17.75' LT	725.64	720.97	721.65	722.25	TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID



FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				DRAINAGE PLAN AND PROFILE WEST AVENUE				F.A.U. RT. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
N:\ORLAND PARK\1502722.ph2\Consultants\1001	Cadd_Deliverable\DI61F86-sht-drnplnprf05.dgn	DRAWN -	REVISED -					SCALE: 20H 5V				2705	13-00071-00-WR	COOK	162	72
Default	PLOT SCALE = 48"	CHECKED -	REVISED -					SHEET 5 OF 9 SHEETS				CONTRACT NO. 61F86				
	PLOT DATE = 7/11/2019	DATE -	REVISED -					STA. 201+00.00 TO STA. 206+40.00				ILLINOIS FED. AID PROJECT				



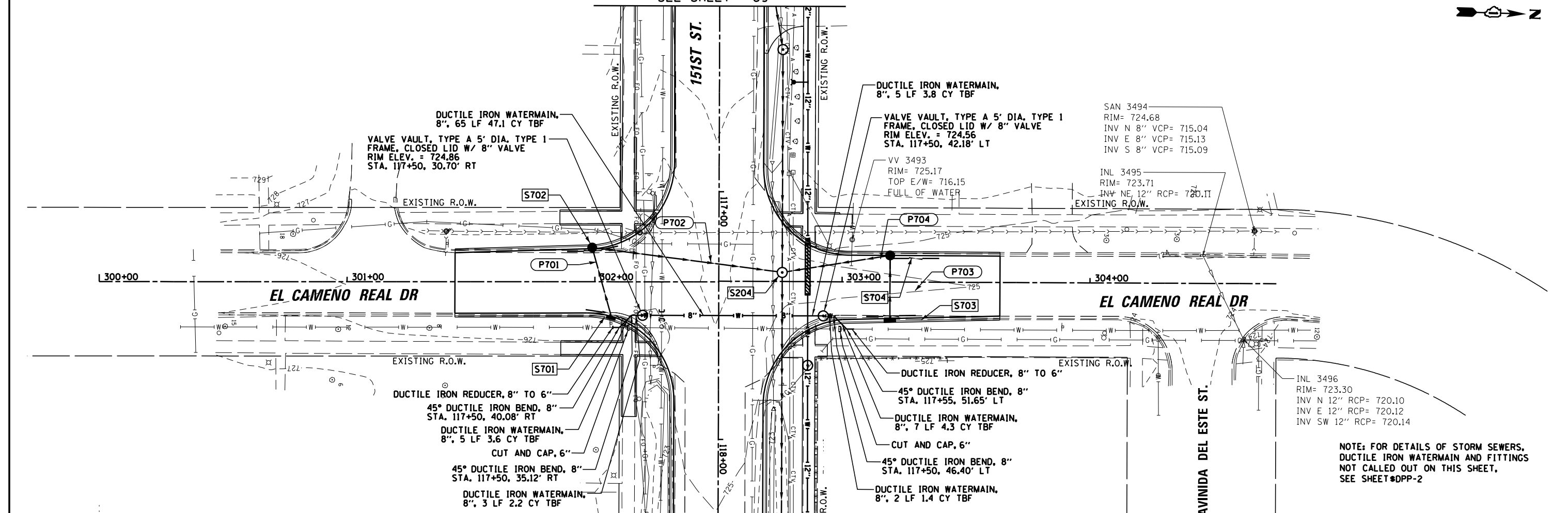


MATCHLINE 116+25.00  
SEE SHEET 69



PLAN	SURVEYED	DATE
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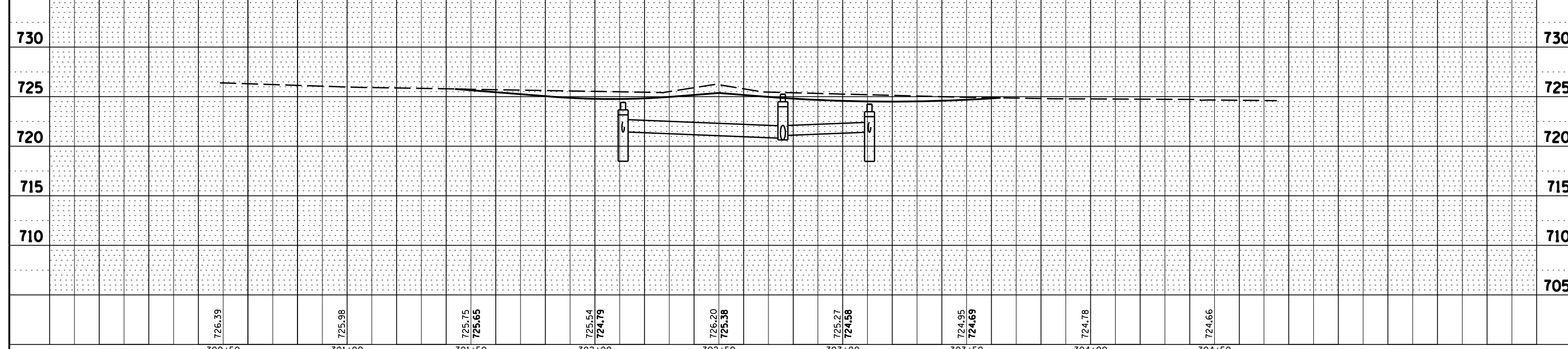
STORM SEWER PIPE SCHEDULE

PIPE #	FROM	TO	CLASS	TYPE	LENGTH (FT)	DIA (IN)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TBF (CY)
P701	S701	S702	A	1	28	12	0.89%	721.68	721.43	3.4
P702	S702	S204	A	2	75	15	0.91%	721.33	720.65	9.7
P703	S703	S704	A	1	25	12	0.48%	721.02	720.90	3.2
P704	S704	S204	A	2	42	12	0.62%	720.90	720.64	7.9

DRAINAGE STRUCTURE TABLE

STRUCTURE	STATION	STRUCTURE TYPE	OFFSET	RIM ELEVATION	INV (N)	INV (S)	INV (E)	INV (W)
S701	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	302+06.90	14.08' RT	724.48			721.68
S702	60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	301+98.83	13.36' LT	724.59	721.33		721.43
S703	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	303+19.32	14.75' RT	724.21			721.02
S704	60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	303+19.32	10.72' LT	724.29		720.90	720.90

MATCHLINE 114+00.00  
SEE SHEET 69



FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<p align="center"><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p> <p align="center"><b>DRAINAGE PLAN AND PROFILE</b> <b>EL CAMENO REAL DRIVE</b></p> <p>SCALE: 20H 5V    SHEET 7 OF 9 SHEETS    STA. 301+43.54 TO STA. 303+63.70</p>	F.A.U. R.T.E. = 0359	SECTION = 13-00071-00-WR	COUNTY = COOK	TOTAL SHEETS = 162	SHEET NO. = 74
N:\ORLANDPARK\1502722_ph2\Consultants\1D0T\Cadd\Deliverable\DI61F86-shd-drn\pln\prf07.dgn		DRAWN -	REVISED -		CONTRACT NO. 61F86				
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT				
Default		DATE = 7/11/2019	REVISED -						



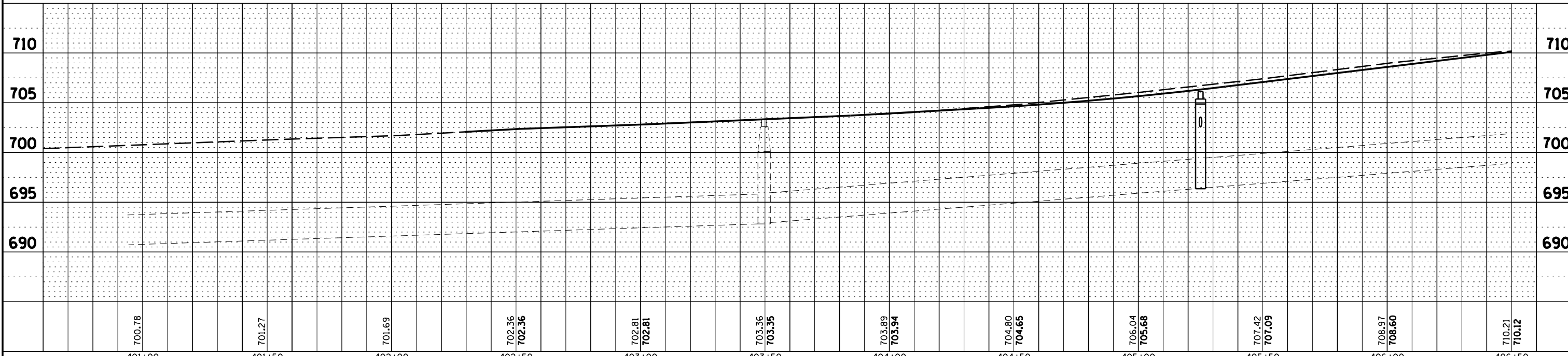
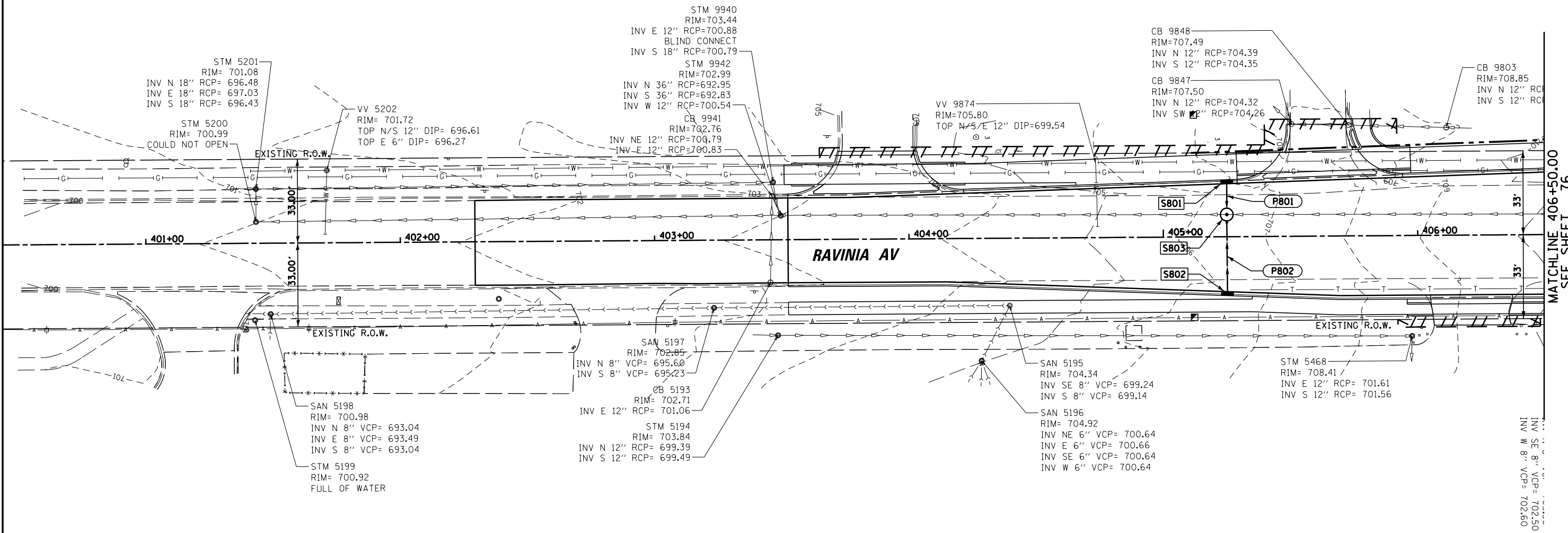
DRAINAGE STRUCTURE TABLE									
STRUCTURE		STRUCTURE TYPE	STATION	OFFSET	RIM ELEVATION	INV (N)	INV (S)	INV (E)	INV (W)
S801	60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	405+25.00	20.83' LT	705.98			703.60	
S802	60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	405+25.00	21.57' RT	705.81				703.42
S803	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	405+25.00	8.72' LT	706.13	696.46	696.37	703.10	703.54

STORM SEWER PIPE SCHEDULE										
PIPE #	FROM	TO	CLASS	TYPE	LENGTH (FT)	DIA (IN)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TBF (CY)
P801	S801	S803	A	1	11	12	0.55%	703.60	703.54	1.3
P802	S802	S803	A	1	29	12	1.10%	703.42	703.10	3.7



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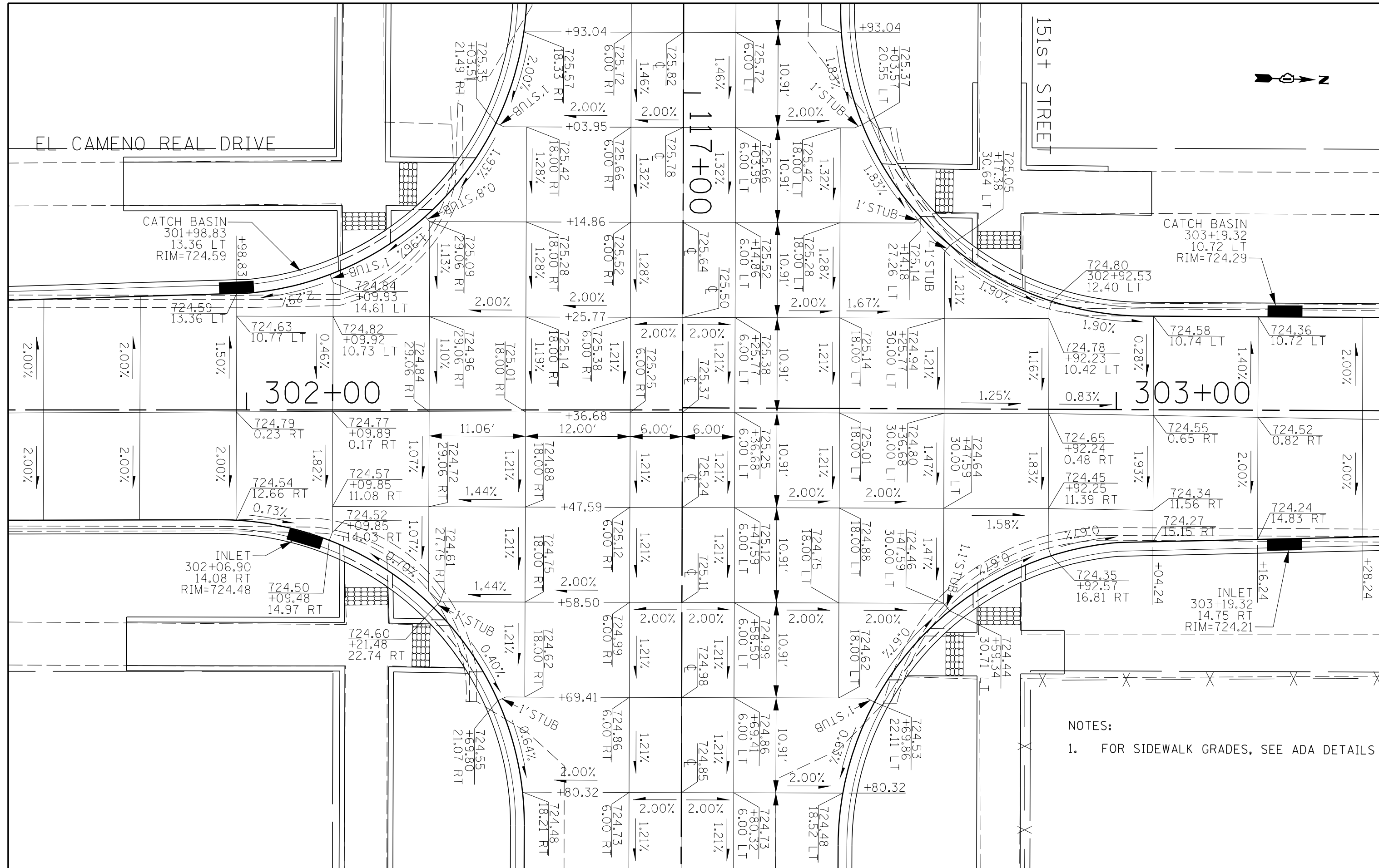
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N:\ORLANDPARK\150272_ph2\Consultants\1001\Cadd\Deliverable\DI61F86-sht-drnplnprf08.dgn		DRAWN -	REVISD -		1709	13-00071-00-WR	COOK	162	75			
PLOT SCALE = 48"		CHECKED -	REVISD -		<b>CONTRACT NO. 61F86</b>							
Default	PLOT DATE = 7/11/2019	DATE -	REVISD -		SCALE: 20H 5V    SHEET 8 OF 9 SHEETS    STA. 401+00.00 TO STA. 406+50.00    ILLINOIS FED. AID PROJECT							





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NOTES:  
 1. FOR SIDEWALK GRADES, SEE ADA DETAILS

FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT SPOT GRADES 151st STREET/EL CAMENO REAL DRIVE</b>	F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ORLANDPARK\150272.ph2\Consultants\1001	Cadd_Deliverable\DI61F86-shr-Pvt\joint01.dgn	DRAWN -	REVISED -			1603	13-00071-00-WR	COOK	162	77	
	PLOT SCALE = 18"	CHECKED -	REVISED -			<b>CONTRACT NO. 61F86</b>					
Default	PLOT DATE = 7/11/2019	DATE -	REVISED -			SCALE: 1" = 5'	SHEET 1 OF 4 SHEETS	STA. 116+93.04 TO STA. 117+80.32	ILLINOIS FED. AID PROJECT		



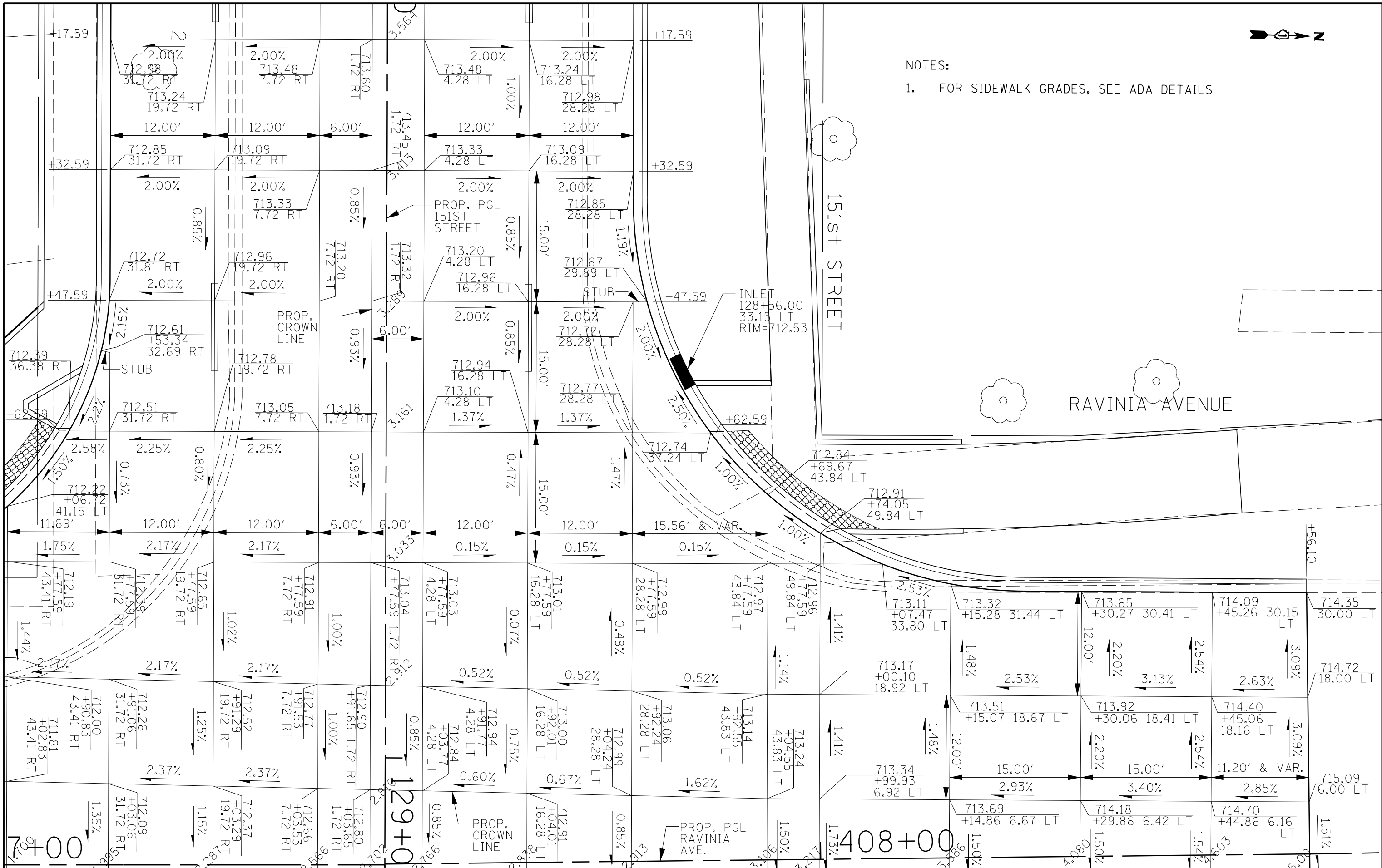


NOTES:

- 1. FOR SIDEWALK GRADES, SEE ADA DETAILS

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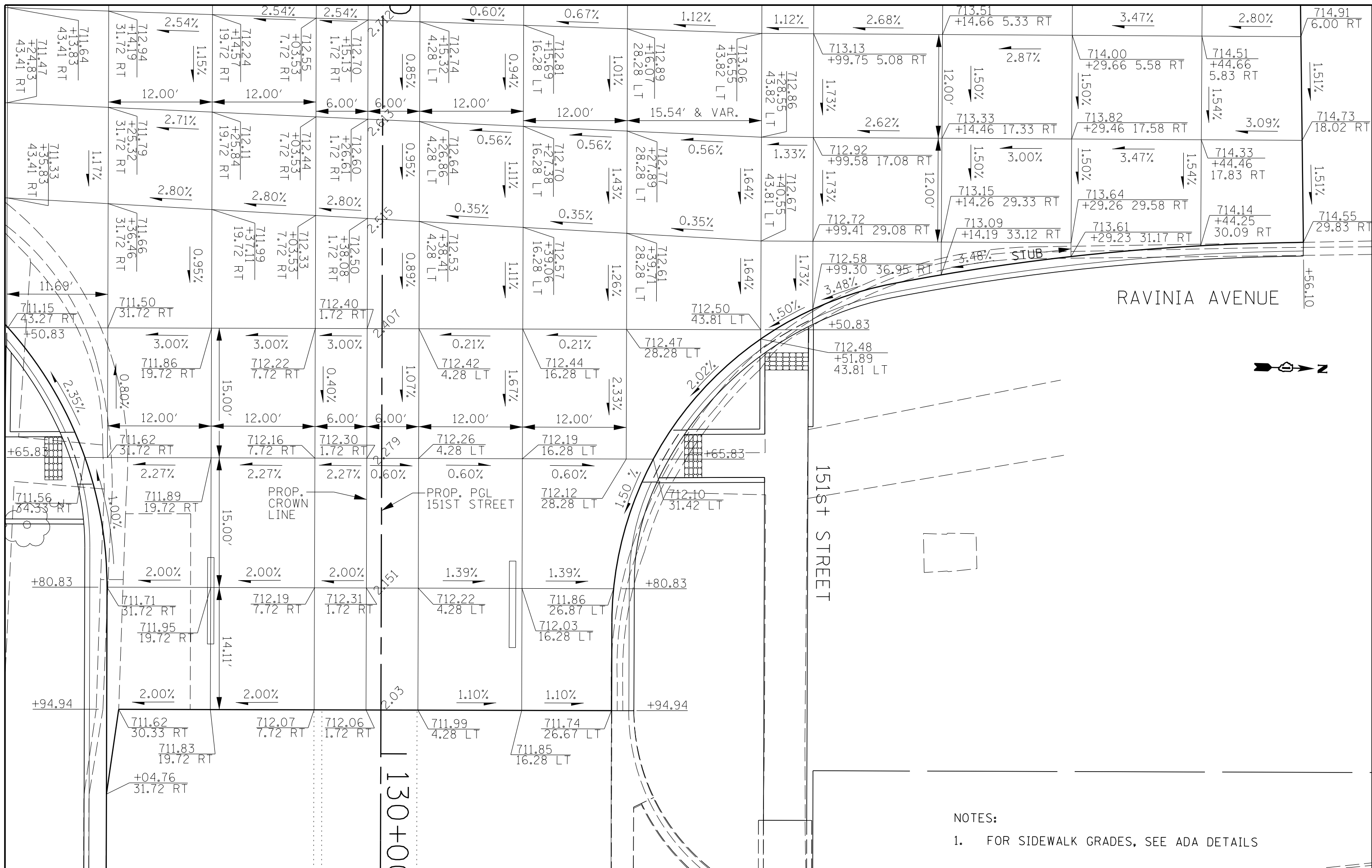
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FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT SPOT GRADES 151st STREET/RAVINIA AVENUE</b>			F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ORLANDPARK\1502722.ph2\Consultants\1001	Cadd_Deliverable\DI61F86-sht-PvtJoint03.dgn	DRAWN -	REVISED -		1603	13-00071-00-WR	COOK	162	79				
Default	PLOT SCALE = 18'	CHECKED -	REVISED -		SCALE: 1" = 5'			SHEET 3 OF 4 SHEETS		STA. 407+06.27 TO STA. 408+56.10		CONTRACT NO. 61F86	
	PLOT DATE = 7/11/2019	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

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NOTES:  
1. FOR SIDEWALK GRADES, SEE ADA DETAILS

FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT SPOT GRADES 151st STREET/RAVINIA AVENUE</b>	F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ORLANDPARK\1502722_ph2\Consultants\1001\Cadd\Deliverable\DI61F86-sht-Pvt\joint04.dgn		DRAWN -	REVISED -			1603	13-00071-00-WR	COOK	162	80
PLOT SCALE = 18"		CHECKED -	REVISED -			<b>CONTRACT NO. 61F86</b>				
PLOT DATE = 7/11/2019		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

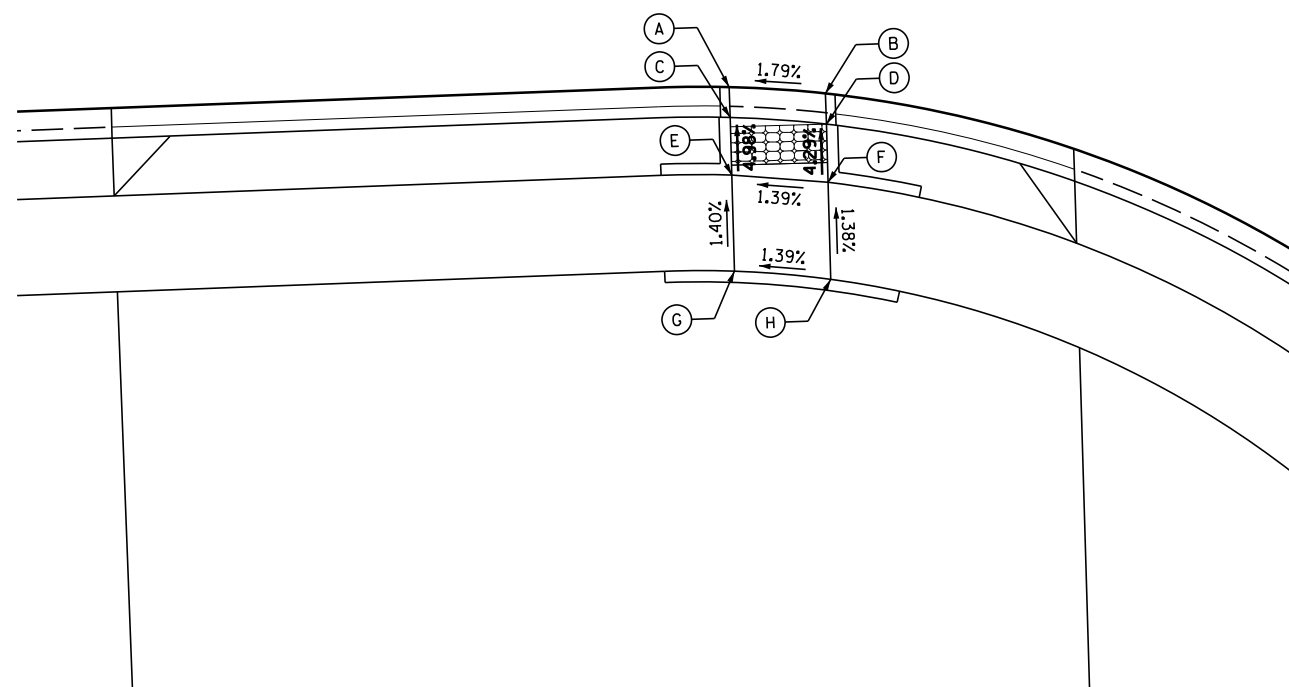
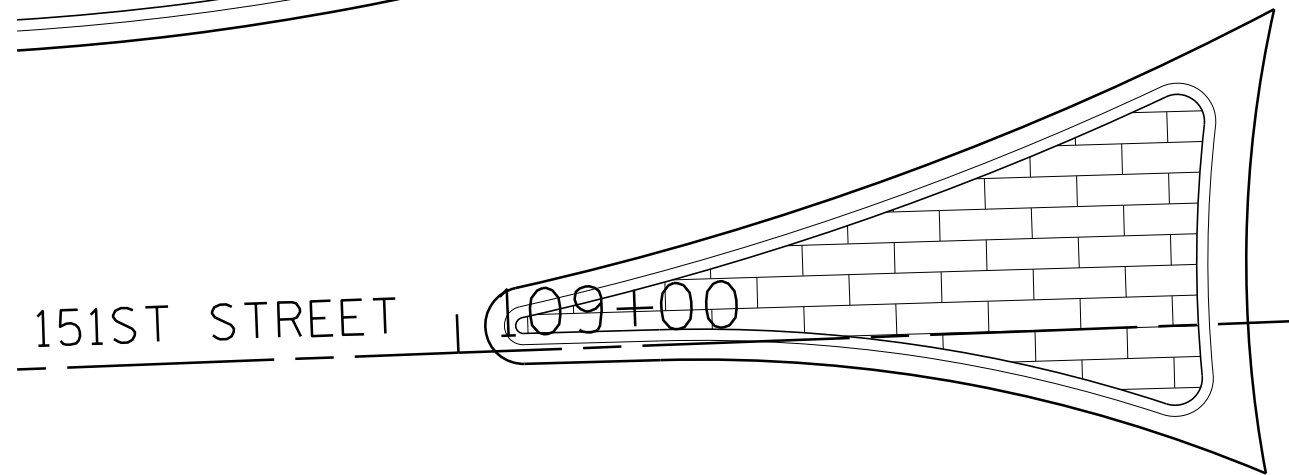
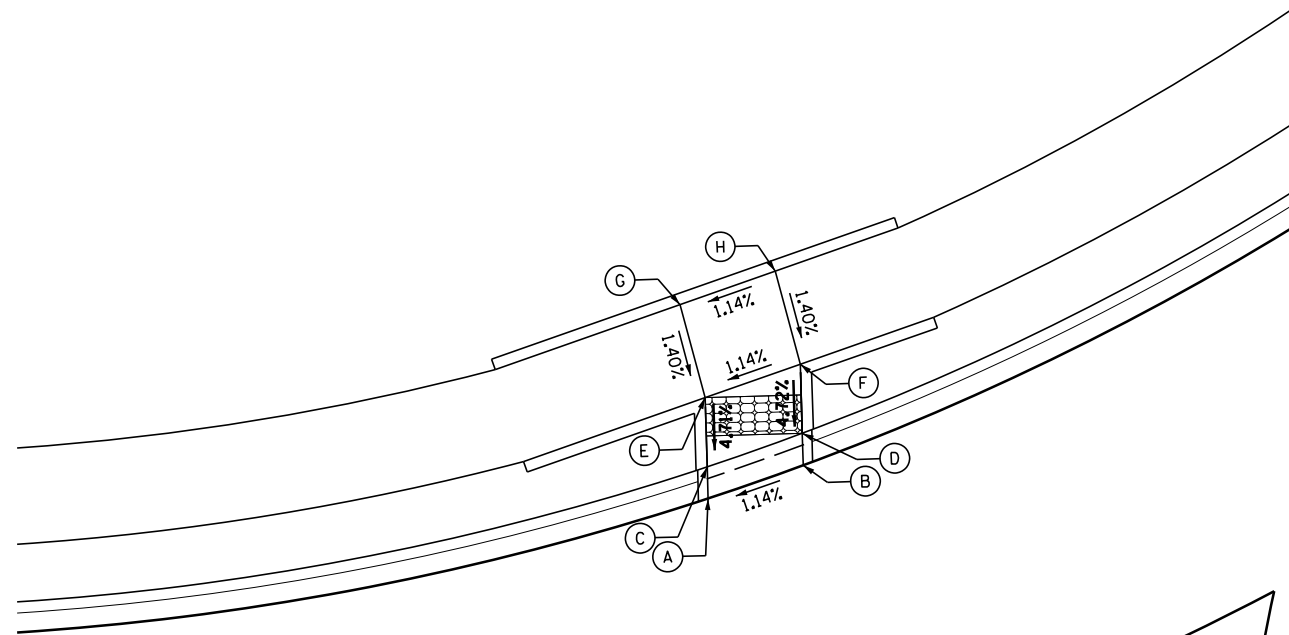
SCALE: 1" = 5' SHEET 4 OF 4 SHEETS STA. 407+06.27 TO STA. 408+56.10



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**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
 151ST STREET  
 ROUNDABOUT IMPROVEMENT  
 08/11/2019

DATE	
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SURVEYED	
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ROUNDAABOUT WEST LEG NORTH RAMP			
POINT	STA	OFFSET	ELEV
A	109+13.86	22.22' LT	725.21
B	109+18.88	23.76' LT	725.27
C	109+13.87	23.87' LT	725.21
D	109+18.88	25.43' LT	725.27
E	109+13.90	27.48' LT	725.38
F	109+18.92	29.03' LT	725.44
G	109+12.78	32.36' LT	725.45
H	109+17.80	33.92' LT	725.51

ROUNDAABOUT WEST LEG SOUTH RAMP			
POINT	STA	OFFSET	ELEV
A	109+13.48	16.90' RT	725.16
B	109+18.47	17.42' RT	725.25
C	109+13.47	18.48' RT	725.16
D	109+18.46	19.02' RT	725.25
E	109+13.44	21.49' RT	725.31
F	109+18.43	22.05' RT	725.38
G	109+13.39	26.49' RT	725.38
H	109+18.39	27.11' RT	725.45

FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -
N:\ORLANDPARK\1502722.ph2\Consultants\100T	Cadd_Deliverable\0161F86-sht-ADA-01.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 10'	CHECKED -	REVISED -
	PLOT DATE = 7/11/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA DETAILS  
ROUNDAABOUT WEST LEG SOUTH RAMP  
ROUNDAABOUT WEST LEG NORTH RAMP

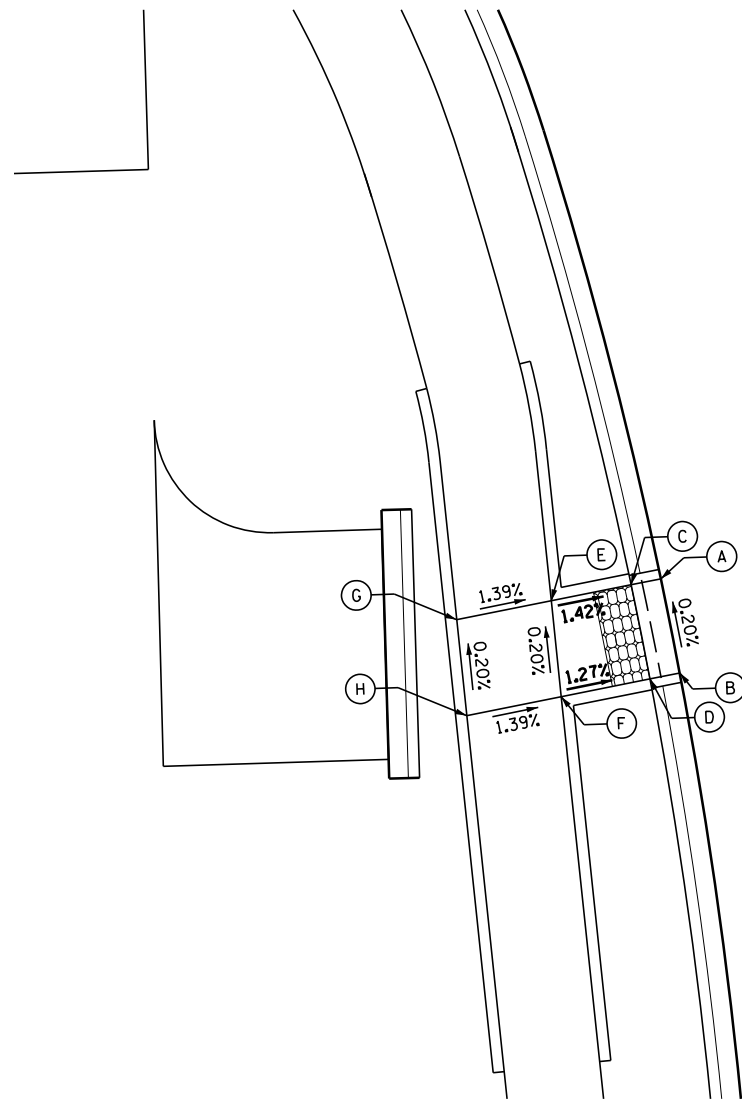
SCALE: 1" = 5' SHEET 1 OF 17 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1603/3000	13-00071-00-WR	COOK	162	81
CONTRACT NO. 61F86				
ILLINOIS FED. AID PROJECT				

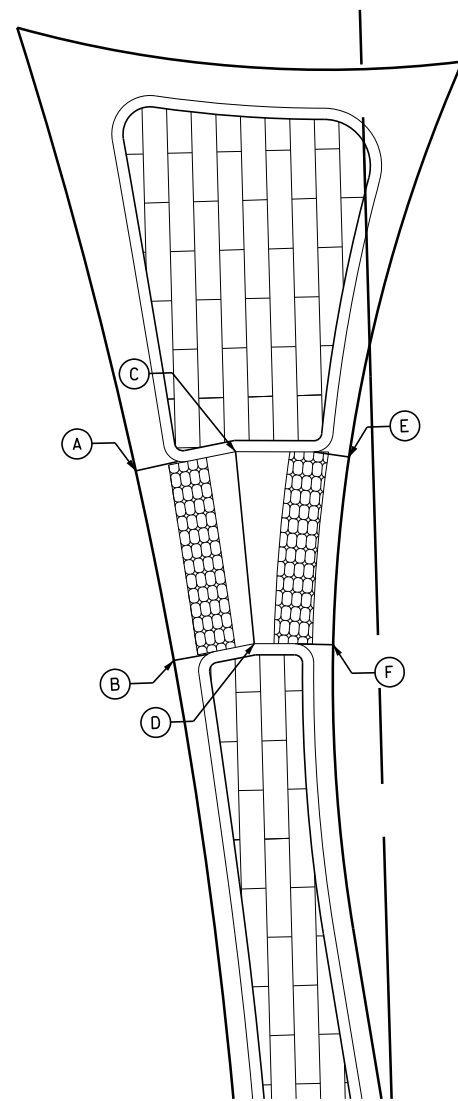
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**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
 1000 N. WILSON AVENUE, SUITE 600  
 ROSEMONT, ILLINOIS 60018  
 (847) 823-0500

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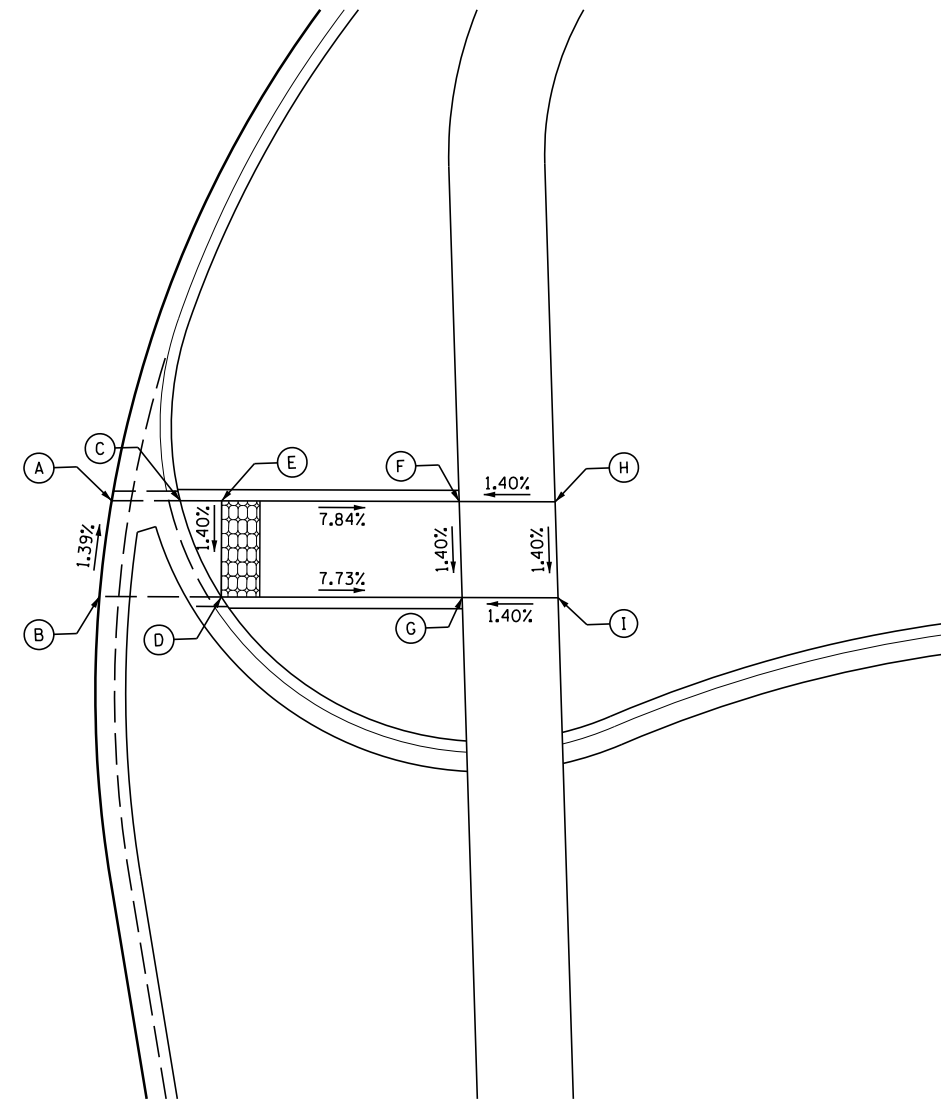


ROUNABOUT SOUTH LEG WEST RAMP			
POINT	STA	OFFSET	ELEV
A	206+65.24	27.68' LT	726.70
B	206+60.31	26.84' LT	726.71
C	206+64.98	29.24' LT	726.70
D	206+60.05	28.40' LT	726.71
E	206+64.27	33.42' LT	726.76
F	206+59.26	33.04' LT	726.77
G	206+63.42	38.37' LT	726.83
H	206+58.41	37.99' LT	726.84

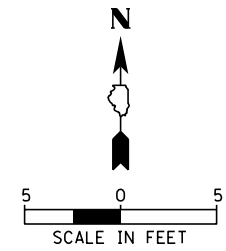


ROUNABOUT SOUTH LEG MEDIAN RAMP			
POINT	STA	OFFSET	ELEV
A	206+70.43	12.37' LT	727.01
B	206+60.50	10.68' LT	727.03
C	206+71.28	7.14' LT	727.11
D	206+61.25	6.45' LT	727.07
E	206+70.83	1.24' LT	727.21
F	206+61.07	2.35' LT	727.10

WEST AVENUE



ROUNABOUT SOUTH LEG EAST RAMP			
POINT	STA	OFFSET	ELEV
A	206+68.09	14.76' RT	726.89
B	206+63.11	13.98' RT	726.82
C	206+67.98	18.33' RT	726.95
D	206+62.91	20.33' RT	726.88
E	206+67.91	20.49' RT	726.95
F	206+67.52	32.86' RT	725.98
G	206+62.52	32.87' RT	725.91
H	206+67.36	37.86' RT	726.05
I	206+62.36	37.87' RT	725.98



FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -
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Default	PLOT SCALE = 18'	CHECKED -	REVISED -
	PLOT DATE = 7/11/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA DETAILS  
ROUNABOUT SOUTH LEG WEST RAMP, MEDIAN RAMP  
EAST RAMP

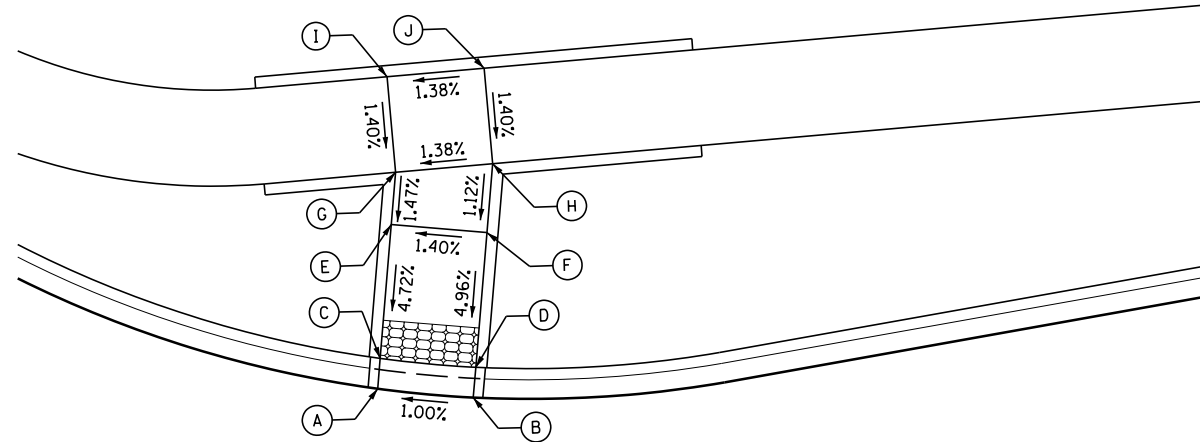
SCALE: 1" = 5' SHEET 2 OF 17 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1603/3000	13-00071-00-WR	COOK	162	82
CONTRACT NO. 61F86				
ILLINOIS FED. AID PROJECT				

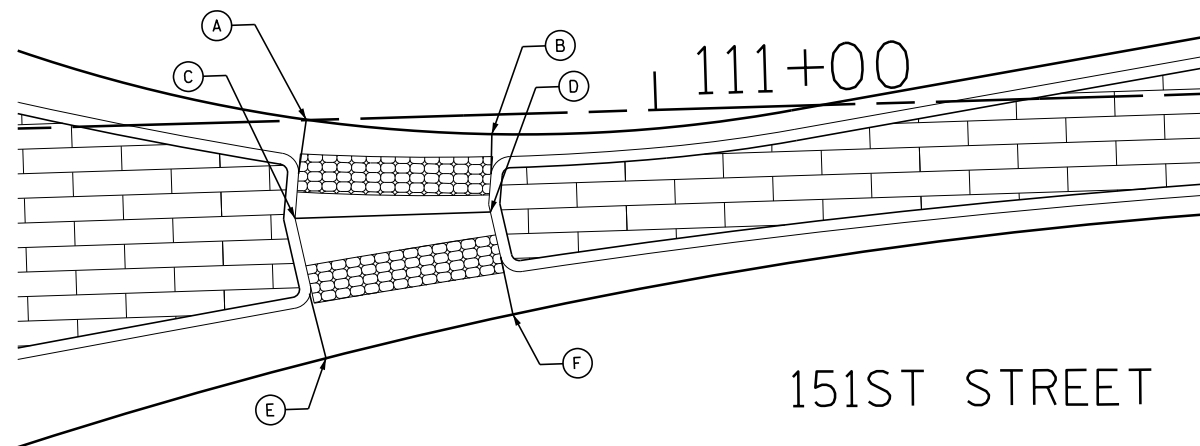
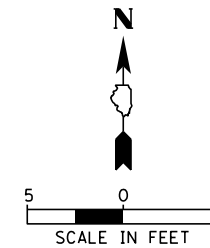
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	PLOTTED	BY
	ALIGNED	CHECKED
	NOTED	FILE NAME
	NO.	

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 1301 W. 111th Street, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-9500

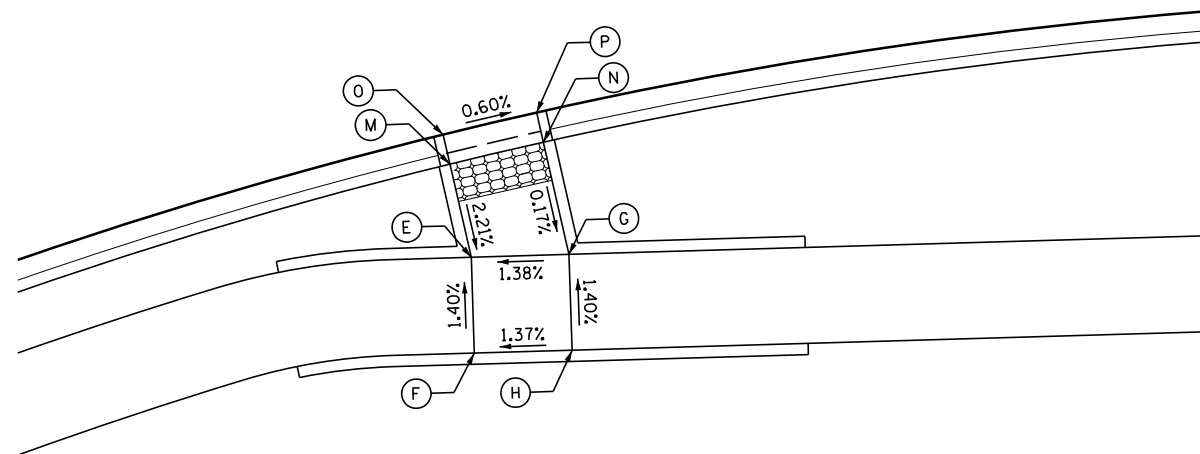
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	CHECKED
	STRUCTURE NOTATIONS CHECKED	
	NO.	



ROUNABOUT EAST LEG NORTH RAMP			
POINT	STA	OFFSET	ELEV
A	110+85.96	15.69' LT	727.04
B	110+90.93	15.09' LT	727.09
C	110+86.14	17.27' LT	727.04
D	110+91.10	16.66' LT	727.09
E	110+86.93	24.22' LT	727.37
F	110+91.89	23.67' LT	727.44
G	110+87.23	26.93' LT	727.41
H	110+92.29	27.23' LT	727.48
I	110+86.93	31.93' LT	727.48
J	110+92.00	32.22' LT	727.55



ROUNABOUT EAST LEG MEDIAN RAMP			
POINT	STA	OFFSET	ELEV
A	110+81.78	0.03' LT	727.35
B	110+91.43	1.02' RT	727.42
C	110+81.04	5.09' RT	727.46
D	110+91.23	5.06' RT	727.48
E	110+82.45	12.43' RT	727.62
F	110+92.25	10.43' RT	727.56



ROUNABOUT EAST LEG SOUTH RAMP			
POINT	STA	OFFSET	ELEV
A	110+88.11	27.57' RT	727.29
B	110+93.01	26.57' RT	727.26
C	110+88.42	29.12' RT	727.29
D	110+93.32	28.12' RT	727.26
E	110+89.39	34.00' RT	727.18
F	110+94.48	34.00' RT	727.25
G	110+89.40	39.00' RT	727.25
H	110+94.50	39.00' RT	727.32

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Default	PLOT SCALE = 18"	CHECKED -	REVISED -
	PLOT DATE = 7/11/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA DETAILS  
ROUNABOUT EAST LEG NORTH RAMP, MEDIAN RAMP  
SOUTH RAMP

SCALE: 1" = 5' SHEET 3 OF 17 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1603/3000	13-00071-00-WR	COOK	162	83
CONTRACT NO. 61F86				
ILLINOIS FED. AID PROJECT				

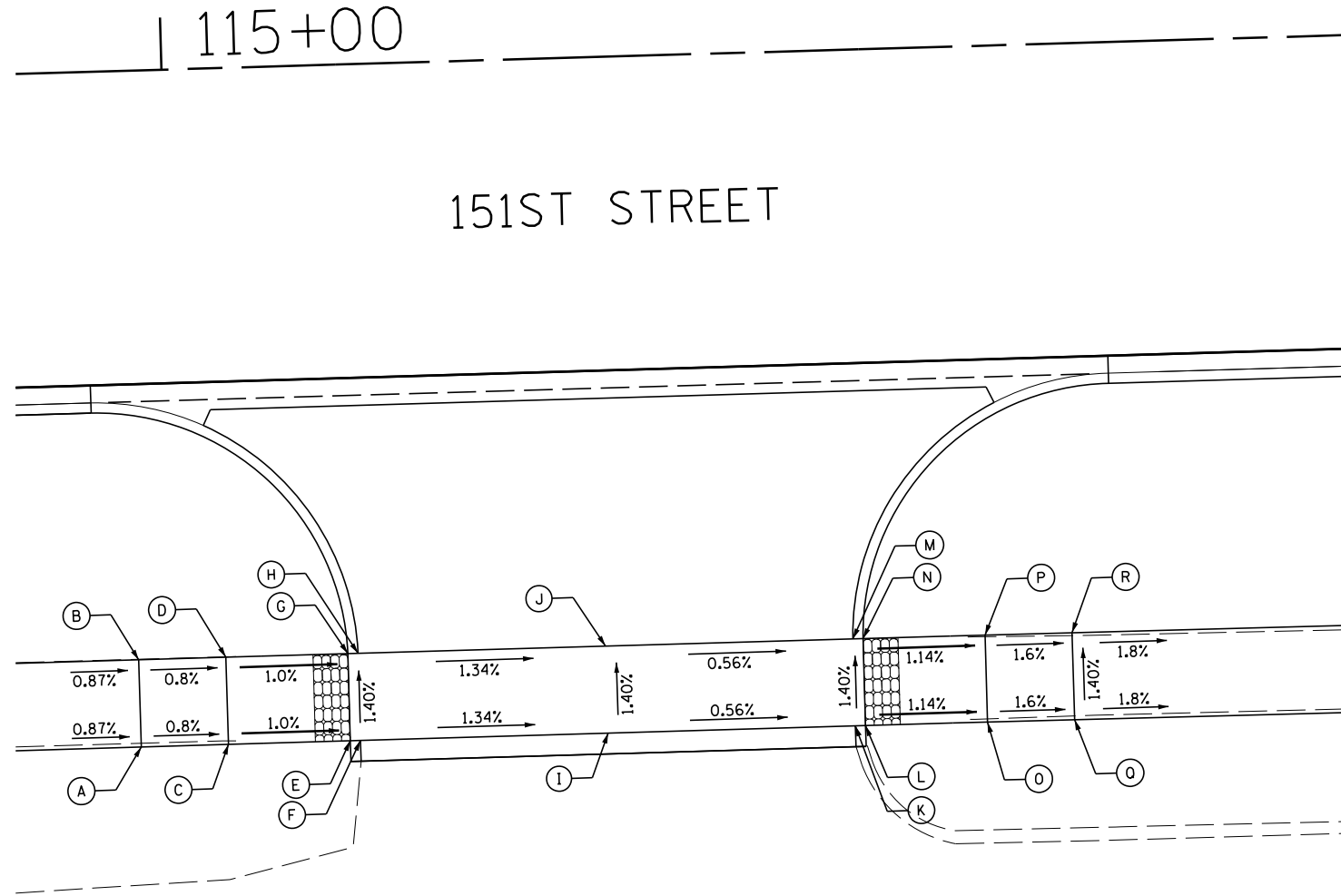




DATE	BY
SURVEYED	PLANNED
PLOTTED	NOTED
ALIGNED	CHECKED
AS BUILT	FILED
NO.	CADD FILE NAME

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 1000 N. RANDOLPH ST. SUITE 600  
 CHICAGO, IL 60606  
 (847) 823-9500

DATE	BY
SURVEYED	PLANNED
GRADES CHECKED	NOTED
STRUCTURE	CHECKED
NO.	CADD FILE NAME



ENTRANCE @ 151ST ST. STA. 115+24.50, RIGHT							
POINT	STA	OFFSET	ELEV	POINT	STA	OFFSET	ELEV
A	114+97.71	38.81' RT	729.55	J	115+24.50	33.81' RT	729.14
B	114+97.71	33.81' RT	729.48	K	115+38.70	38.81' RT	729.13
C	115+02.71	38.81' RT	729.51	L	115+39.29	38.81' RT	729.17
D	115+02.71	33.81' RT	729.44	M	115+38.70	33.81' RT	729.06
E	115+09.71	38.81' RT	729.44	N	115+39.29	33.81' RT	729.10
F	115+10.29	38.81' RT	729.40	O	115+46.29	38.81' RT	729.09
G	115+09.71	33.81' RT	729.37	P	115+46.29	33.81' RT	729.02
H	115+10.29	33.81' RT	729.33	Q	115+51.29	38.82' RT	729.01
I	115+24.50	38.81' RT	729.21	R	115+51.29	33.82' RT	728.94

FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -
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Default	PLOT SCALE = 18'	CHECKED -	REVISED -
	PLOT DATE = 7/11/2019	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ADA DETAILS	
ENTRANCE AT 151ST ST. STA. 115 + 24.50, RIGHT	
SCALE: 1" = 5'	SHEET 6 OF 17 SHEETS STA. TO STA.

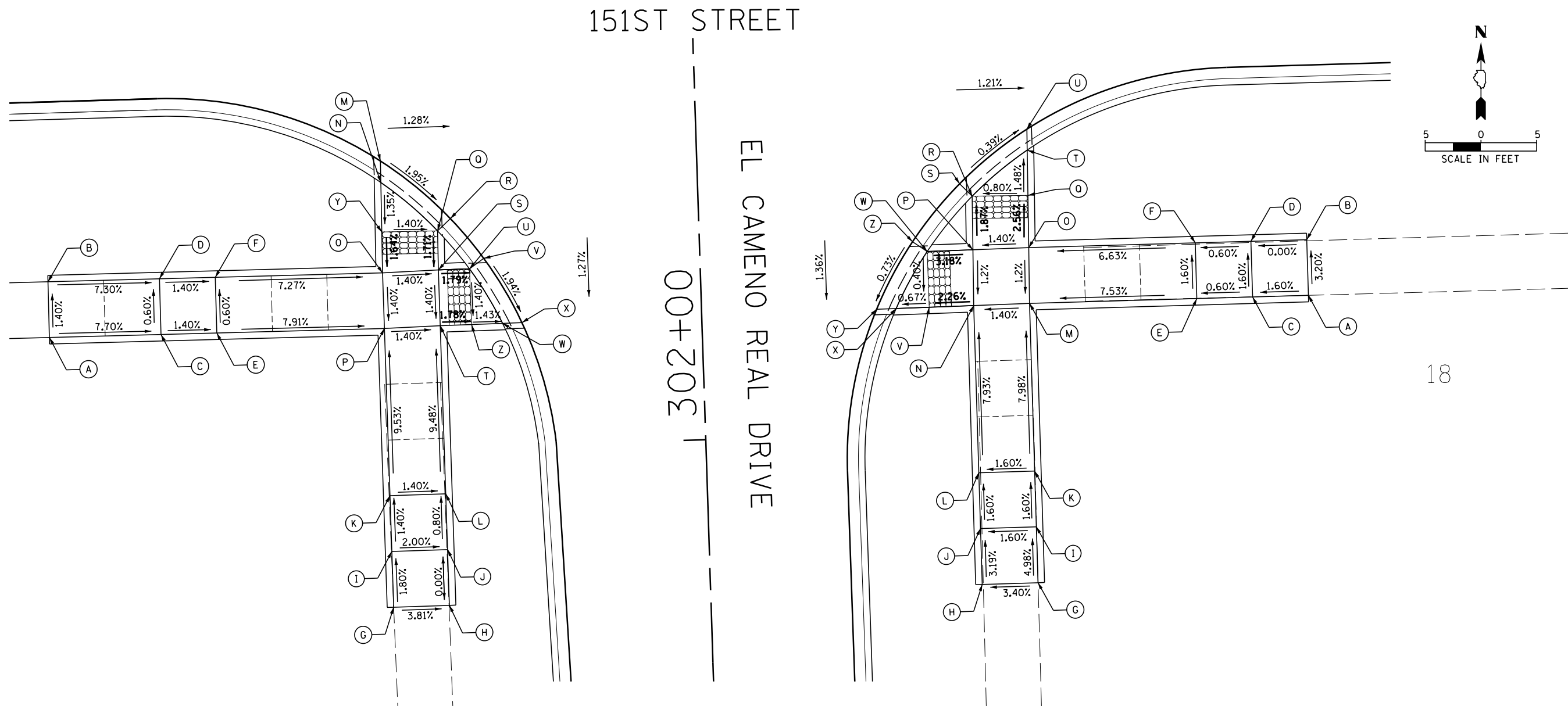
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1603/3000	13-00071-00-WR	COOK	162	86
CONTRACT NO. 61F86				
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
 1800 N. WISCONSIN AVENUE, SUITE 600  
 CHICAGO, IL 60610  
 (847) 823-9500

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



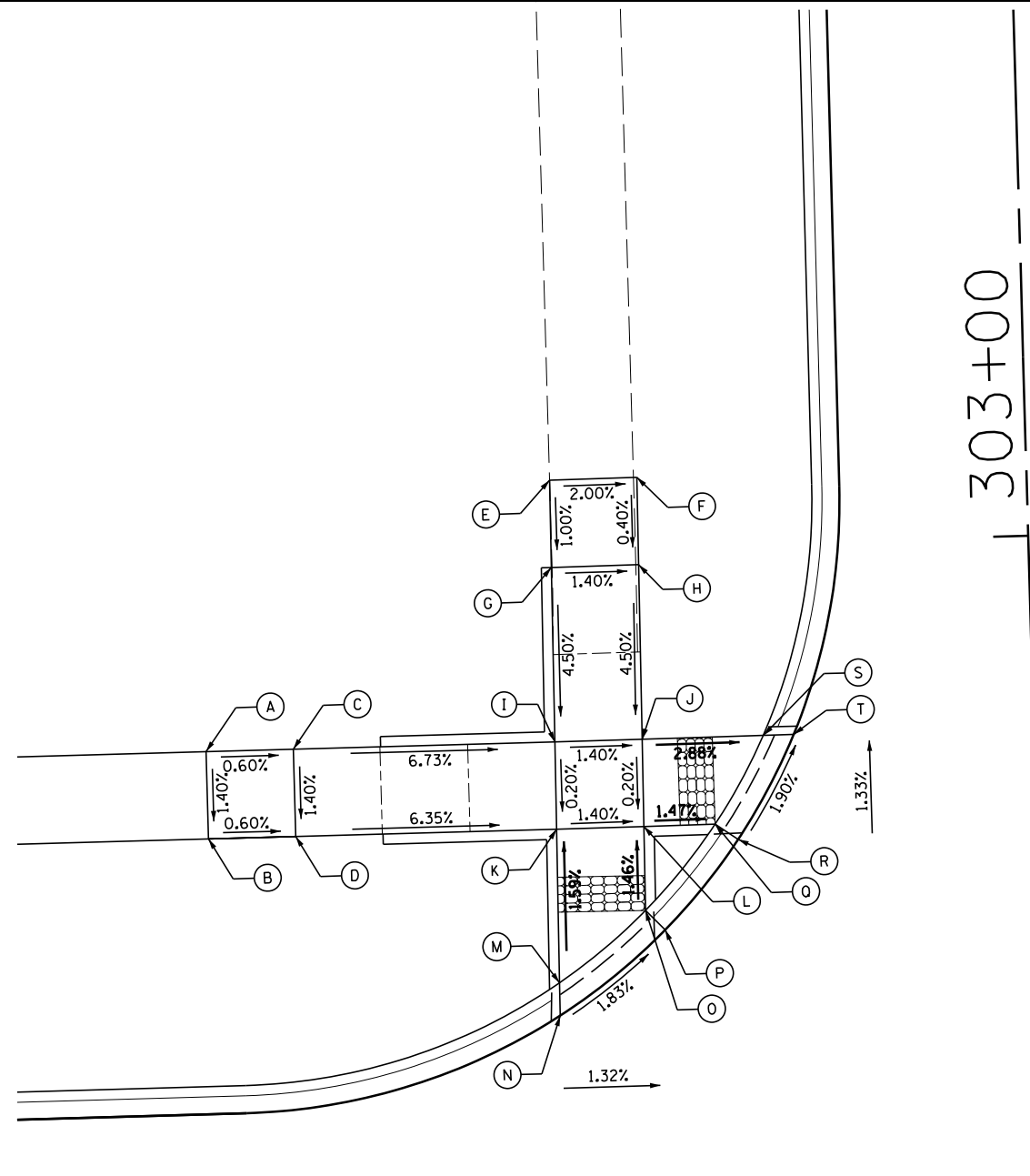
SOUTHWEST CORNER 151ST STREET/EL CAMINO REAL DRIVE							
POINT	STA	OFFSET	ELEV	POINT	STA	OFFSET	ELEV
A	116+78.00	39.12' RT	727.06	N	117+08.10	26.10' RT	725.22
B	116+78.02	34.12' RT	726.99	O	117+08.02	34.19' RT	725.10
C	116+88.00	39.15' RT	726.29	P	117+08.03	39.19' RT	725.03
D	116+88.02	34.15' RT	726.26	Q	117+13.05	30.58' RT	725.09
E	116+93.00	39.16' RT	726.22	R	117+14.23	29.52' RT	725.09
F	116+93.02	34.16' RT	726.19	S	117+13.02	34.09' RT	725.03
G	117+08.13	64.19' RT	726.62	T	117+13.03	39.09' RT	724.96
H	117+13.13	64.17' RT	726.43	U	117+15.81	34.06' RT	724.98
I	117+08.11	59.19' RT	726.53	V	117+17.11	33.17' RT	725.00
J	117+13.11	59.17' RT	726.43	W	117+18.64	39.04' RT	724.87
K	117+08.09	54.19' RT	726.46	X	117+20.36	39.03' RT	724.87
L	117+13.09	54.17' RT	726.39	Y	117+08.05	30.53' RT	725.16
M	117+08.12	24.16' RT	725.25	Z	117+15.85	39.06' RT	724.91

SOUTHEAST CORNER 151ST STREET/EL CAMINO REAL DRIVE							
POINT	STA	OFFSET	ELEV	POINT	STA	OFFSET	ELEV
A	117+90.88	38.64' RT	725.93	N	117+60.88	38.68' RT	724.62
B	117+90.88	33.64' RT	725.77	O	117+65.95	33.64' RT	724.75
C	117+85.88	38.64' RT	725.85	P	117+60.95	33.68' RT	724.68
D	117+85.88	33.64' RT	725.77	Q	117+66.02	28.95' RT	724.63
E	117+80.88	38.64' RT	725.82	R	117+61.02	28.87' RT	724.59
F	117+80.88	33.64' RT	725.74	S	117+59.93	27.73' RT	724.60
G	117+65.91	63.69' RT	726.22	T	117+66.08	24.89' RT	724.57
H	117+60.91	63.69' RT	726.05	U	117+66.11	23.00' RT	724.57
I	117+65.91	58.67' RT	725.97	V	117+65.89	38.71' RT	724.53
J	117+60.91	58.68' RT	725.89	W	117+56.86	33.71' RT	724.55
K	117+65.90	53.67' RT	725.89	X	117+53.92	38.74' RT	724.51
L	117+60.90	53.68' RT	725.81	Y	117+52.18	38.75' RT	724.51
M	117+65.88	38.64' RT	724.69	Z	117+55.56	32.80' RT	724.56

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	

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 1501 S. WILSON AVENUE, SUITE 600  
 CHICAGO, ILLINOIS 60608  
 (847) 823-9500

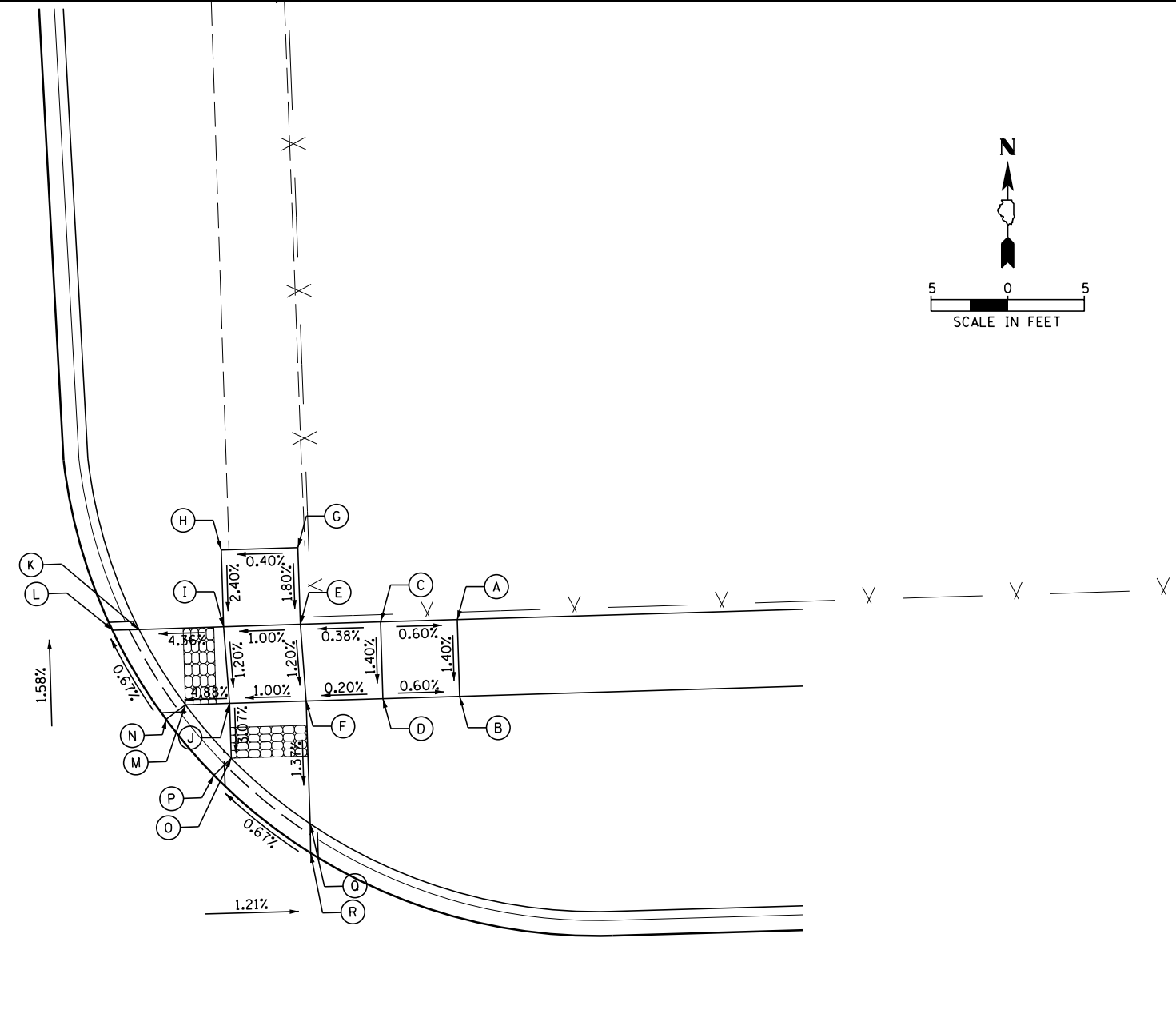
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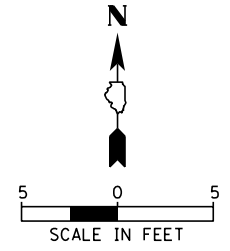
NORTHWEST CORNER 151ST STREET/EL CAMINO REAL DRIVE							
POINT	STA	OFFSET	ELEV	POINT	STA	OFFSET	ELEV
A	116+88.74	38.77' LT	726.12	K	117+08.69	33.74' LT	725.07
B	116+88.74	33.77' LT	726.05	L	117+13.69	33.75' LT	725.00
C	116+93.74	38.76' LT	726.09	M	117+08.61	24.94' LT	725.21
D	116+93.74	33.76' LT	726.02	N	117+08.59	23.06' LT	725.27
E	117+08.87	53.74' LT	725.58	O	117+13.65	28.94' LT	725.07
F	117+13.88	53.75' LT	725.48	P	117+14.75	27.80' LT	725.13
G	117+08.83	48.74' LT	725.53	Q	117+17.78	33.76' LT	724.94
H	117+13.83	48.75' LT	725.46	R	117+19.07	32.85' LT	725.00
I	117+08.74	38.74' LT	725.08	S	117+20.69	38.77' LT	724.81
J	117+13.74	38.75' LT	725.01	T	117+22.43	38.77' LT	724.87

EL CAMINO REAL DRIVE

151ST STREET



NORTHEAST CORNER 151ST STREET/EL CAMINO REAL DRIVE							
POINT	STA	OFFSET	ELEV	POINT	STA	OFFSET	ELEV
A	117+76.80	38.88' LT	724.60	J	117+61.80	33.87' LT	724.50
B	117+76.80	33.88' LT	724.53	K	117+56.05	38.85' LT	724.32
C	117+71.80	38.88' LT	724.63	L	117+54.34	38.85' LT	724.38
D	117+71.80	33.88' LT	724.56	M	117+58.93	33.86' LT	724.36
E	117+66.56	38.88' LT	724.61	N	117+57.63	32.95' LT	724.42
F	117+66.80	33.88' LT	724.55	O	117+61.81	30.29' LT	724.39
G	117+66.55	43.88' LT	724.70	P	117+60.65	29.21' LT	724.45
H	117+61.55	43.87' LT	724.68	Q	117+66.82	25.87' LT	724.44
I	117+61.56	38.87' LT	724.56	R	117+66.79	23.93' LT	724.50



FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -
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Default	PLOT SCALE = 18'	CHECKED -	REVISED -
	PLOT DATE = 7/11/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA DETAILS  
NORTHEAST AND NORTHWEST CORNERS  
151ST STREET /EL CAMINO REAL DRIVE

SCALE: 1" = 5' SHEET 8 OF 17 SHEETS STA. TO STA.

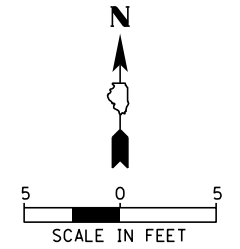
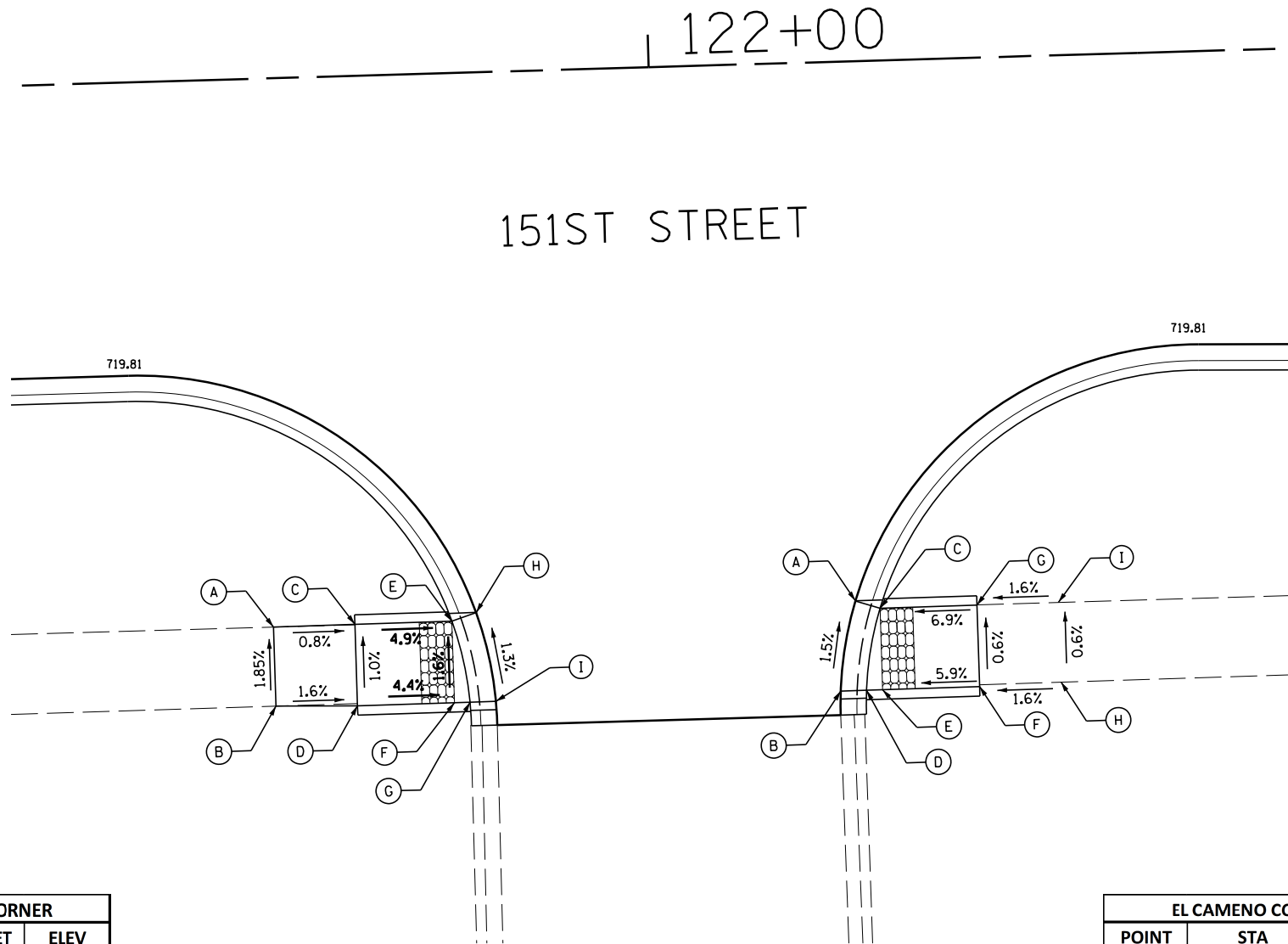
F.A.U. RTE. 1603/3000	SECTION 13-00071-00-WR	COUNTY COOK	TOTAL SHEETS 162	SHEET NO. 88
CONTRACT NO. 61F86				
ILLINOIS FED. AID PROJECT				



DATE	
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PLOTTED	
ALIGNED	
CHECKED	
DATE	
PLAN	
NOTE BOOK	
NO.	

CHRISTOPHER B. BURKE ENGINEERING LTD.  
 Registered Professional Engineer  
 No. 0871 82-9500

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



EL CAMENO COURT SW CORNER			
POINT	STA	OFFSET	ELEV
A	121+75.96	33.67' RT	720.95
B	121+75.98	38.53' RT	721.04
C	121+80.96	33.65' RT	720.91
D	121+80.98	38.65' RT	720.96
E	121+86.92	33.63' RT	720.62
F	121+86.94	38.63' RT	720.70
G	121+87.90	38.63' RT	720.69
H	121+88.43	33.14' RT	720.63
I	121+89.48	38.63' RT	720.70

EL CAMENO COURT SE CORNER			
POINT	STA	OFFSET	ELEV
A	122+11.72	33.11' RT	720.57
B	122+10.67	38.62' RT	720.65
C	122+13.23	33.61' RT	720.56
D	122+12.26	38.61' RT	720.64
E	122+13.24	38.61' RT	720.65
F	122+19.20	38.59' RT	721.00
G	122+19.19	33.59' RT	720.97
H	122+24.20	38.46' RT	721.08
I	122+24.19	33.57' RT	721.05

FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -
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Default	PLOT SCALE = 10'	CHECKED -	REVISED -
	PLOT DATE = 7/11/2019	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ADA DETAILS  
 EL CAMENO COURT

SCALE: 1" = 50' SHEET 9 OF 17 SHEETS STA. TO STA.

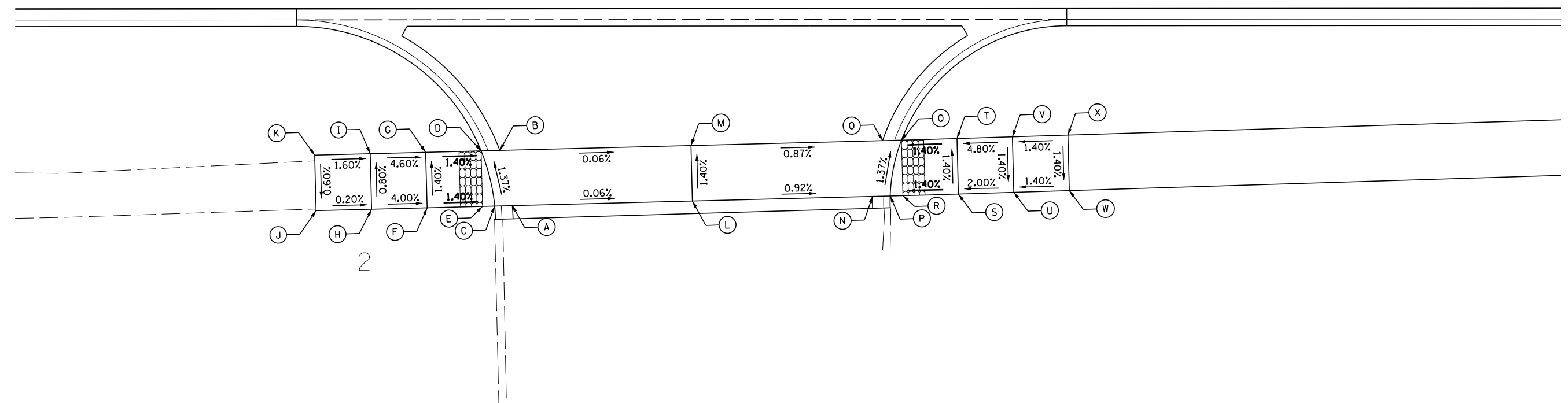
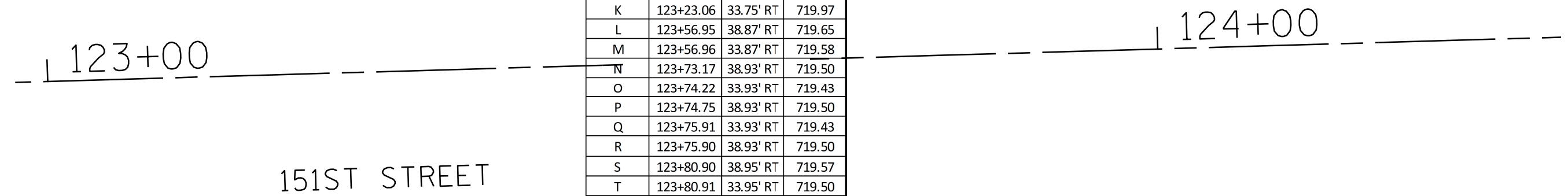
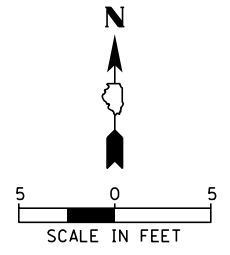
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1603/3000	13-00071-00-WR	COOK	162	89
CONTRACT NO. 61F86				
ILLINOIS FED. AID PROJECT				

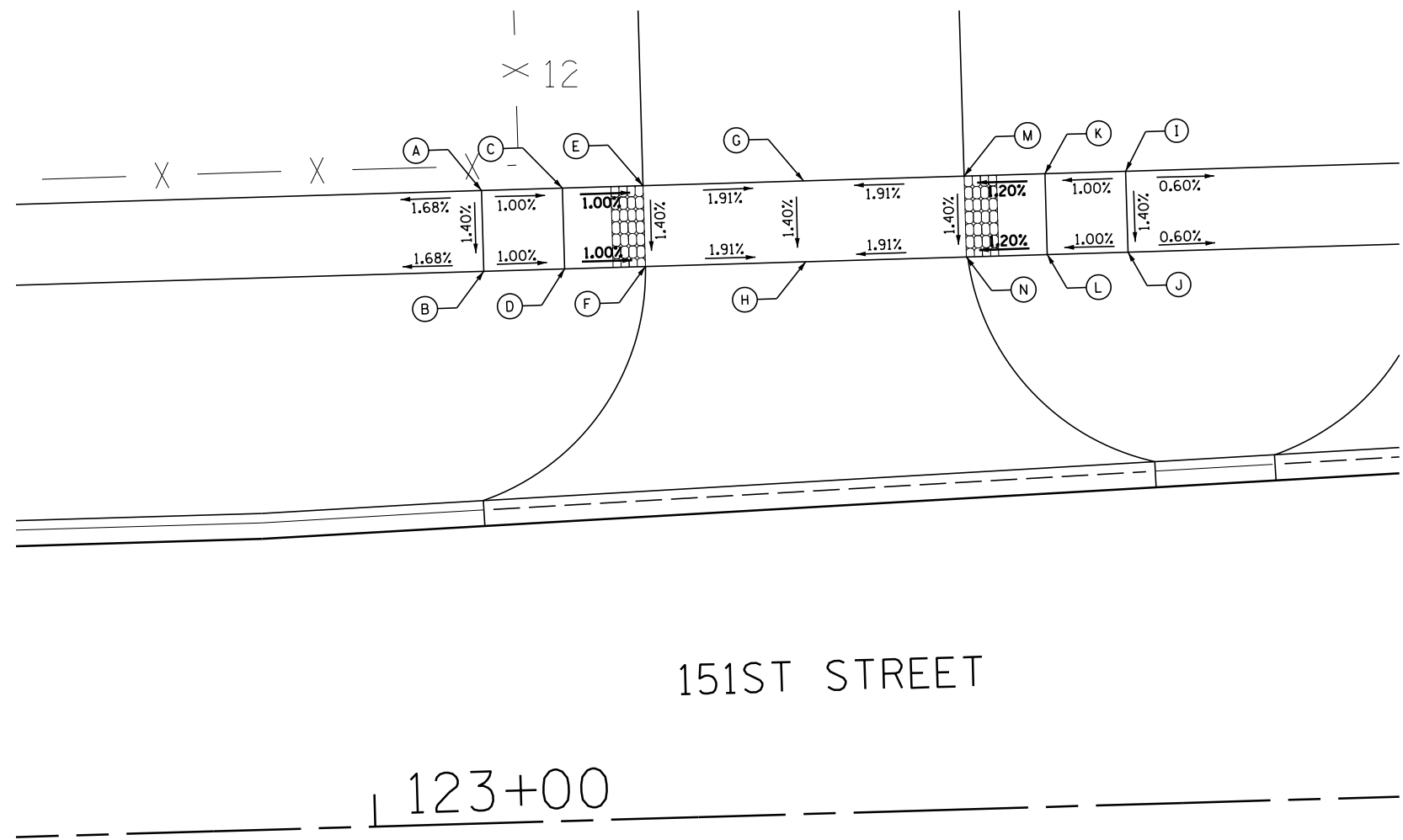
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PLAN	
NOTE BOOK NO.	

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 1000 N. RANDOLPH ST. SUITE 600  
 CHICAGO, ILLINOIS 60610  
 (847) 823-9500

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SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
PROFILE	
NOTE BOOK NO.	

151ST ST. STA. 123+56.95, RT			
POINT	STA	OFFSET	ELEV
A	123+40.72	38.81' RT	719.66
B	123+39.74	33.81' RT	719.59
C	123+39.13	38.81' RT	719.66
D	123+38.06	33.80' RT	719.59
E	123+38.05	38.80' RT	719.66
F	123+33.05	38.78' RT	719.73
G	123+33.06	33.78' RT	719.66
H	123+28.05	38.77' RT	719.93
I	123+28.06	33.77' RT	719.89
J	123+23.05	38.75' RT	719.94
K	123+23.06	33.75' RT	719.97
L	123+56.95	38.87' RT	719.65
M	123+56.96	33.87' RT	719.58
N	123+73.17	38.93' RT	719.50
O	123+74.22	33.93' RT	719.43
P	123+74.75	38.93' RT	719.50
Q	123+75.91	33.93' RT	719.43
R	123+75.90	38.93' RT	719.50
S	123+80.90	38.95' RT	719.57
T	123+80.91	33.95' RT	719.50
U	123+85.90	38.97' RT	719.67
V	123+85.91	33.97' RT	719.74
W	123+90.90	38.92' RT	719.74
X	123+90.91	33.92' RT	719.81





151ST STREET

123+00

ENTRANCE @ 151ST ST. STA. 123+27.65, LEFT							
POINT	STA	OFFSET	ELEV	POINT	STA	OFFSET	ELEV
A	123+07.72	39.16' LT	720.10	H	123+27.65	34.17' LT	719.74
B	123+07.72	34.16' LT	720.03	I	123+47.59	39.18' LT	720.11
C	123+12.72	39.16' LT	720.05	J	123+47.59	34.18' LT	720.04
D	123+12.72	34.16' LT	719.98	K	123+42.59	39.18' LT	720.06
E	123+17.72	39.17' LT	720.00	L	123+42.59	34.18' LT	719.99
F	123+17.72	34.17' LT	719.93	M	123+37.59	39.18' LT	720.00
G	123+27.65	39.17' LT	719.81	N	123+37.59	34.18' LT	719.93

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

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 1000 N. RANDOLPH ST., SUITE 600  
 CHICAGO, ILLINOIS 60610  
 (847) 823-9500

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

FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -
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Default	PLOT SCALE = 10'	CHECKED -	REVISED -
	PLOT DATE = 7/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS  
ENTRANCE AT 151ST ST. STA. 123 + 27.65, LEFT**

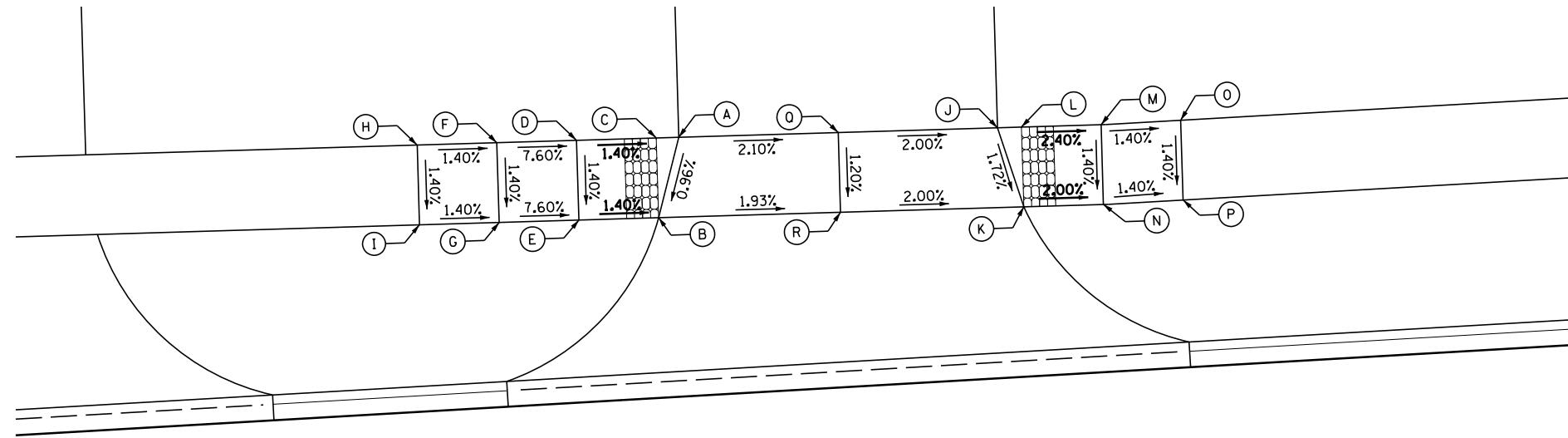
SCALE: 1" = 5'    SHEET 11 OF 17 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1603/3000	13-00071-00-WR	COOK	162	91
CONTRACT NO. 61F86				
ILLINOIS FED. AID PROJECT				

DATE	
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SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
NOTED	
CADD FILE NAME	
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NOTE BOOK	
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**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
 1000 N. RANDOLPH ST. SUITE 600  
 ROSEMONT, ILLINOIS 60018  
 (847) 823-9500

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PLOTTED	
GRADES CHECKED	
NOTED	
STRUCTURE	
NOT AT THIS OFFICE	
PROFILE	
NOTE BOOK	
NO.	



151ST STREET

125+00

151ST ST. STA. 124+78.49, LT			
POINT	STA	OFFSET	ELEV
A	124+68.49	39.25' LT	719.90
B	124+67.07	34.24' LT	719.85
C	124+67.07	39.24' LT	719.92
D	124+62.07	39.24' LT	719.99
E	124+62.07	34.24' LT	719.92
F	124+57.07	39.24' LT	720.37
G	124+57.07	34.24' LT	720.30
H	124+52.07	39.24' LT	720.44
I	124+52.07	34.24' LT	720.37
J	124+88.49	39.26' LT	719.49
K	124+89.99	34.26' LT	719.40
L	124+89.99	39.26' LT	719.49
M	124+94.99	39.26' LT	719.37
N	124+94.99	34.26' LT	719.30
O	124+99.99	39.39' LT	719.30
P	124+99.99	34.39' LT	719.23
Q	124+78.49	39.25' LT	719.69
R	124+78.49	34.25' LT	719.63

FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>151ST STREET WEST AVENUE TO RAVINIA AVENUE ENTRANCE AT 151ST ST. STA 124 + 78.49, LEFT</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ORLANDPARK\1502722.ph2\Consultants\100T	Cadd_Deliverable\DI61F86-sht-ADA-12.dgn	DRAWN -	REVISED -			1603/3000	13-00071-00-WR	COOK	162	92
Default	PLOT SCALE = 10'	CHECKED -	REVISED -			<b>CONTRACT NO. 61F86</b>				
	PLOT DATE = 7/11/2019	DATE -	REVISED -			SCALE: 1" = 5'	SHEET 12 OF 17 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT





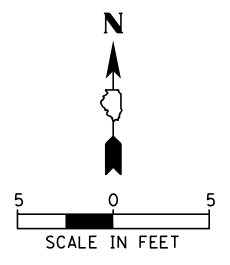
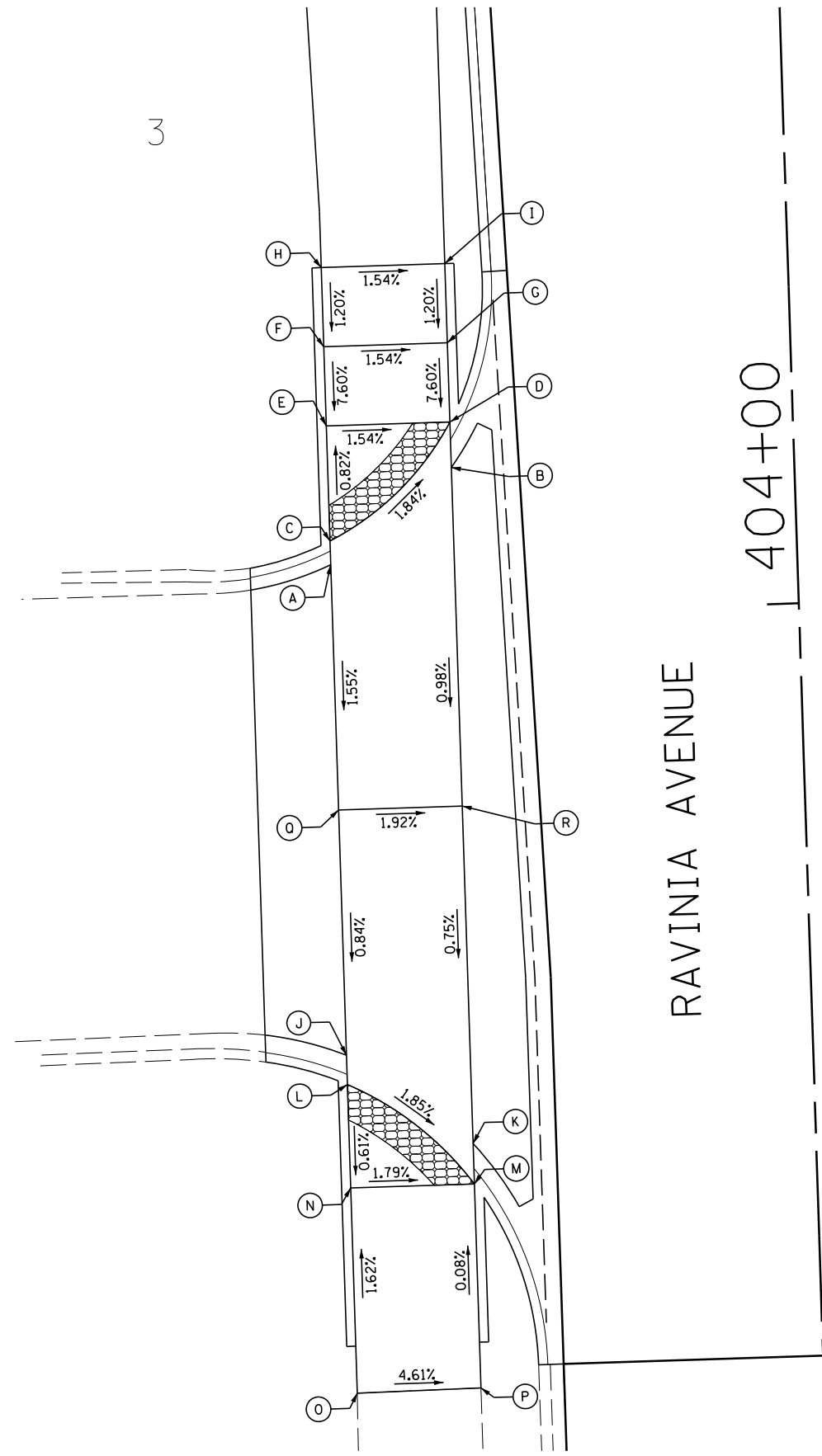


PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	NOTED	FILED
	NO.	CADD FILE NAME

**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
 1000 N. RANDOLPH ST., SUITE 600  
 CHICAGO, ILLINOIS 60608  
 (847) 823-9500

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

3



RAVINIA STA. 403+87.89, LT			
POINT	STA	OFFSET	ELEV
A	404+03.38	29.45' LT	704.12
B	404+09.27	21.65' LT	703.94
C	404+04.88	29.45' LT	704.12
D	404+12.15	21.65' LT	703.94
E	404+12.16	29.45' LT	704.06
F	404+17.16	29.45' LT	704.44
G	404+17.15	21.65' LT	704.32
H	404+22.16	29.45' LT	704.50
I	404+22.15	21.65' LT	704.38
J	403+72.38	29.46' LT	703.75
K	403+66.56	21.65' LT	703.57
L	403+70.54	29.46' LT	703.75
M	403+64.00	21.65' LT	703.57
N	403+64.00	29.46' LT	703.71
O	403+51.03	29.46' LT	703.92
P	403+51.11	21.65' LT	703.56
Q	403+87.89	29.45' LT	703.88
R	403+87.89	21.65' LT	703.73

RAVINIA AVENUE  
 404+00

FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -
N:\ORLANDPARK\1502722.ph2\Consultants\1001	Cadd_Deliverable\DI61F86-sht-ADA-15.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 10'	CHECKED -	REVISED -
	PLOT DATE = 7/11/2019	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ADA DETAILS  
 ORLAND PARK POLICE STATION RAVINIA NORTH DRIVEWAY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1603/3000	13-00071-00-WR	COOK	162	95
CONTRACT NO. 61F86				
ILLINOIS FED. AID PROJECT				

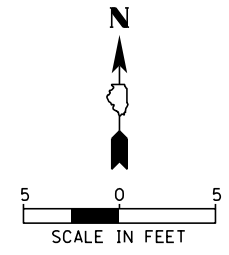
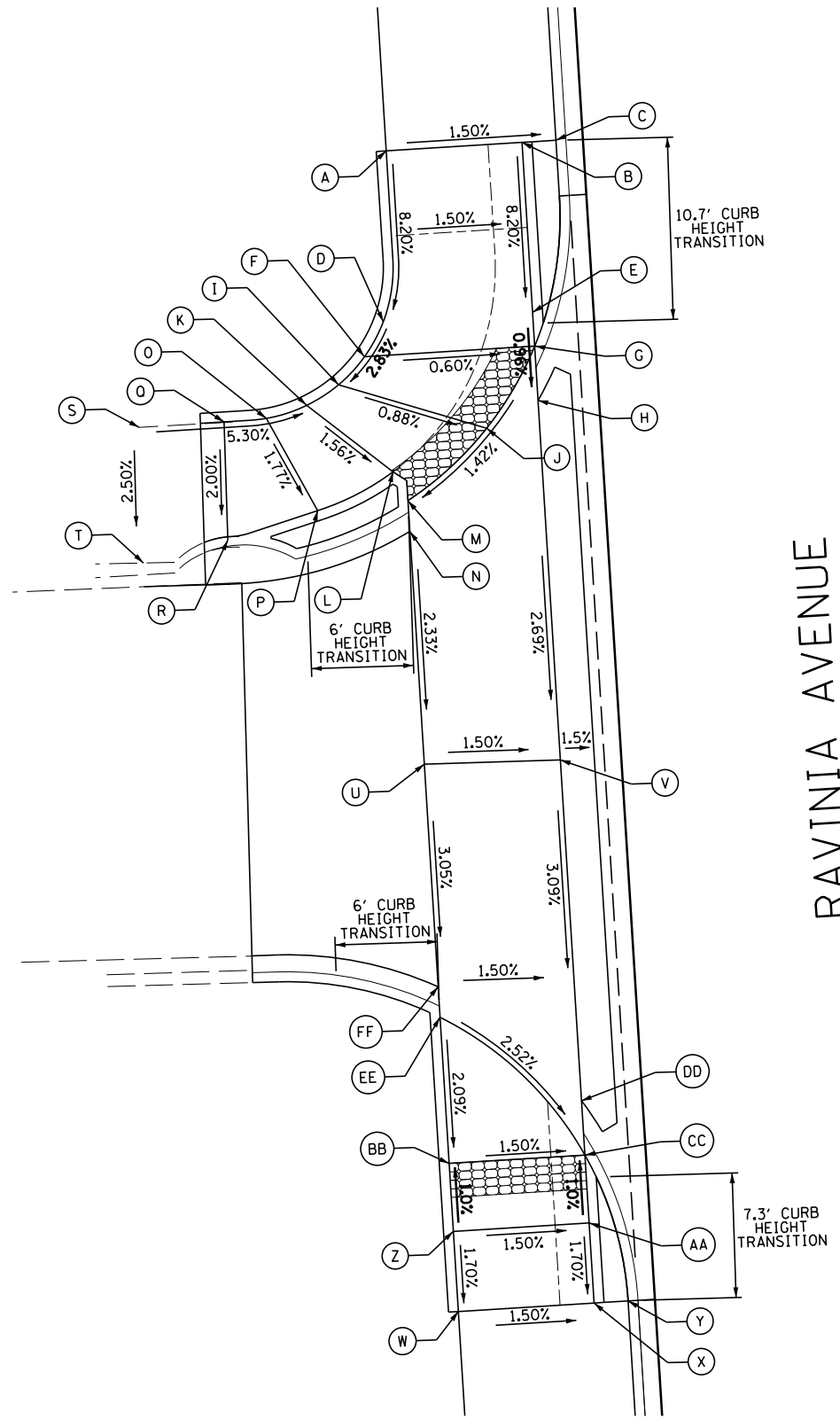
SCALE: 1" = 5' SHEET 15 OF 17 SHEETS STA. TO STA.



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

**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
 1000 N. RANDOLPH ST., SUITE 600  
 CHICAGO, ILLINOIS 60610  
 (847) 823-0500

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



RAVINIA AVENUE

ENTRANCE @ RAVINIA STA. 405+61.07, LEFT							
POINT	STA	OFFSET	ELEV	POINT	STA	OFFSET	ELEV
A	406+00.17	34.66' LT	709.13	Q	405+81.56	44.61' LT	708.31
B	406+00.41	26.66' LT	709.01	R	405+74.60	44.62' LT	708.17
C	406+00.47	24.66' LT	708.98	S	405+81.40	49.61' LT	708.57
D	405+90.18	34.39' LT	708.49	T	405+73.43	49.62' LT	708.37
E	405+90.42	26.36' LT	708.37	U	405+61.07	33.49' LT	707.60
F	405+85.12	36.24' LT	708.14	V	405+61.07	25.49' LT	707.48
G	405+85.42	26.21' LT	708.08	W	405+28.85	32.53' LT	706.97
H	405+82.23	26.12' LT	708.05	X	405+29.09	24.53' LT	706.85
I	405+83.53	37.81' LT	708.08	Y	405+29.15	22.53' LT	706.82
J	405+80.69	29.19' LT	708.00	Z	405+33.57	32.67' LT	707.05
K	405+82.37	39.73' LT	708.04	AA	405+33.81	24.67' LT	706.93
L	405+78.31	34.78' LT	707.94	BB	405+37.56	32.79' LT	707.01
M	405+76.58	33.95' LT	707.91	CC	405+37.80	24.79' LT	706.89
N	405+74.78	33.90' LT	707.92	DD	405+41.00	24.89' LT	706.86
O	405+81.69	42.12' LT	708.17	EE	405+46.16	33.05' LT	707.19
P	405+76.17	39.27' LT	708.06	FF	405+47.97	33.10' LT	707.20

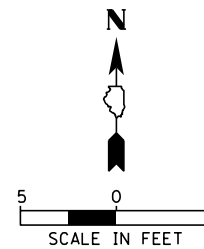
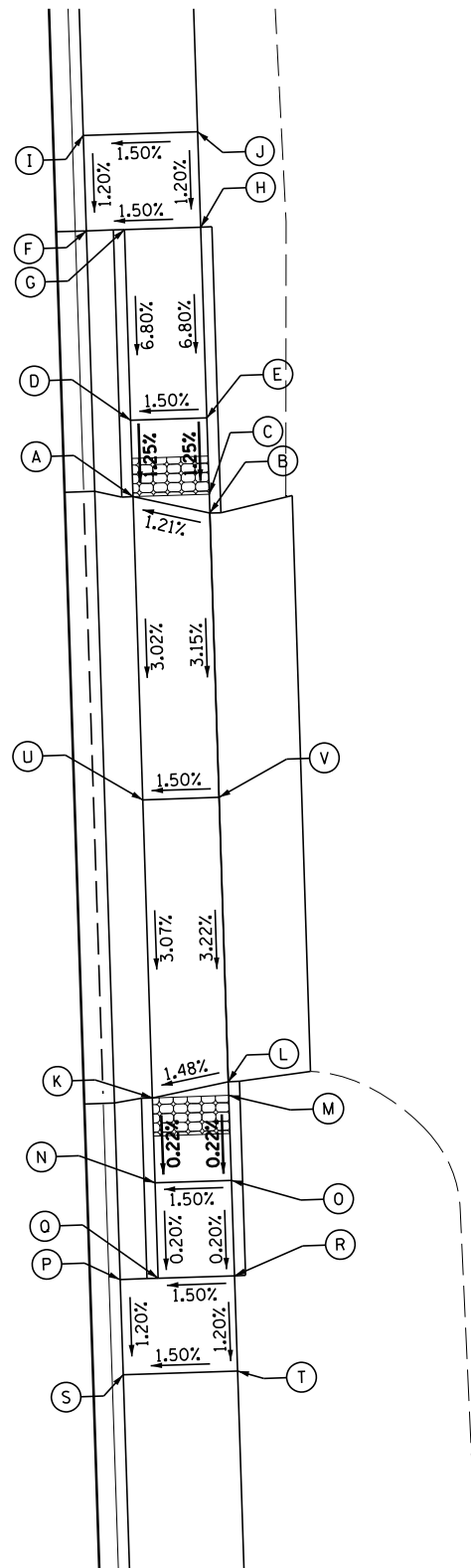
PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	CARD FILE NAME	
	NO.	

**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
 1001 W. 111TH ST., SUITE 600  
 ROSEMONT, ILLINOIS 60018  
 (847) 823-9500

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

406+00

EL CAMENO REAL DRIVE



RAVINIA STA. 406+20.78, RT			
POINT	STA	OFFSET	ELEV
A	406+36.67	27.00' RT	709.36
B	406+35.68	31.00' RT	709.41
C	406+36.67	31.00' RT	709.42
D	406+40.67	27.00' RT	709.41
E	406+40.67	31.00' RT	709.47
F	406+50.67	25.00' RT	710.06
G	406+50.67	27.00' RT	710.09
H	406+50.67	31.00' RT	710.15
I	406+55.67	25.00' RT	710.12
J	406+55.67	31.00' RT	710.21
K	406+05.15	27.00' RT	708.40
L	406+05.87	31.00' RT	708.46
M	406+05.15	31.00' RT	708.46
N	406+00.70	27.00' RT	708.39
O	406+00.70	31.00' RT	708.45
P	405+95.70	25.00' RT	708.35
Q	405+95.70	27.00' RT	708.38
R	405+95.70	31.00' RT	708.44
S	405+90.70	25.00' RT	708.29
T	405+90.70	31.00' RT	708.38
U	406+20.78	27.00' RT	708.88
V	406+20.78	31.00' RT	708.94

FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -
N:\ORLANDPARK\1502722.ph2\Consultants\1001	Cadd_Deliverable\DI61F86-sht-ADA-17.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 10'	CHECKED -	REVISED -
	PLOT DATE = 7/11/2019	DATE -	REVISED -

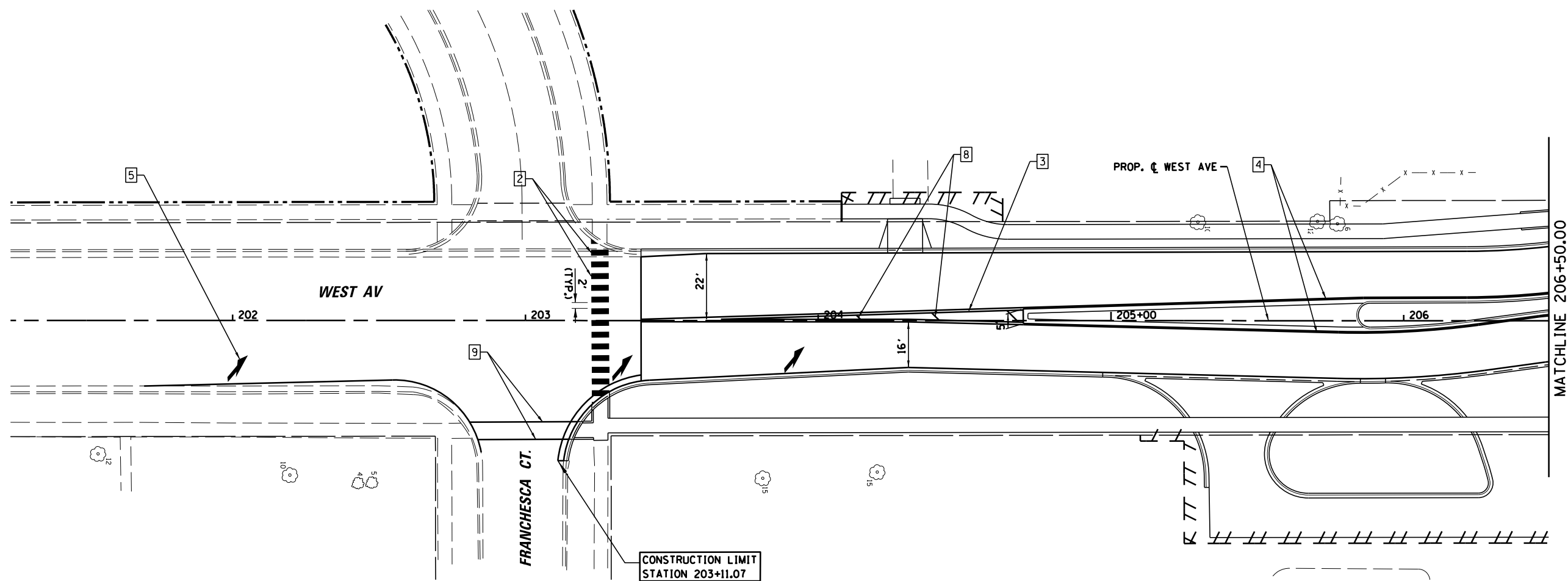
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA DETAILS  
151ST STREET WEST AVENUE TO RAVINIA AVENUE  
ENTRANCE AT RAVINIA ST. STA. 406 + 05.15, RIGHT

SCALE: 1" = 5' SHEET 17 OF 17 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1603/3000	13-00071-00-WR	COOK	162	97
CONTRACT NO. 61F86				

ILLINOIS FED. AID PROJECT



**LEGEND**

1	PAVEMENT MARKING - LINE, 12" (WHITE, 90 DEGREES @ 3' C-C)
2	PAVEMENT MARKING - LINE, 24" (WHITE)
3	PAVEMENT MARKING - LINE, 4" (DOUBLE YELLOW, 11" C-C)
4	PAVEMENT MARKING - LINE, 4" (YELLOW)
5	PAVEMENT MARKING - LETTERS AND SYMBOLS
6	PAVEMENT MARKING - LINE, 6" (WHITE, SKIP-DASH, 2' DASH - 6' SKIP)
7	PAVEMENT MARKING - LINE, 4" (YELLOW, SKIP-DASH, 10' DASH - 30' SKIP)
8	PAVEMENT MARKING - LINE, 12" (YELLOW DIAGNALS @ 45 DEGREES, 20' C-C)
9	PAVEMENT MARKING - LINE, 6" (WHITE)
10	PAVEMENT MARKING - LINE, 4" (WHITE, SKIP-DASH, 10' DASH - 30' SKIP)
11	PAVEMENT MARKING - LINE, 12" (WHITE DIAGNALS @ 45 DEGREES, 3' C-C)
12	RAISED REFLECTIVE PAVEMENT MARKER - ONE WAY CRYSTAL @ 40' O.C.
13	PAVEMENT MARKING - LINE, 8" (WHITE, SKIP-DASH, 2' DASH - 6' SKIP)

**NOTE:** CONTRACTOR TO REINSTATE ALL PAVEMENT MARKINGS OUTSIDE PROJECT LIMITS THAT WERE REMOVED DURING MAINTENANCE OF TRAFFIC.

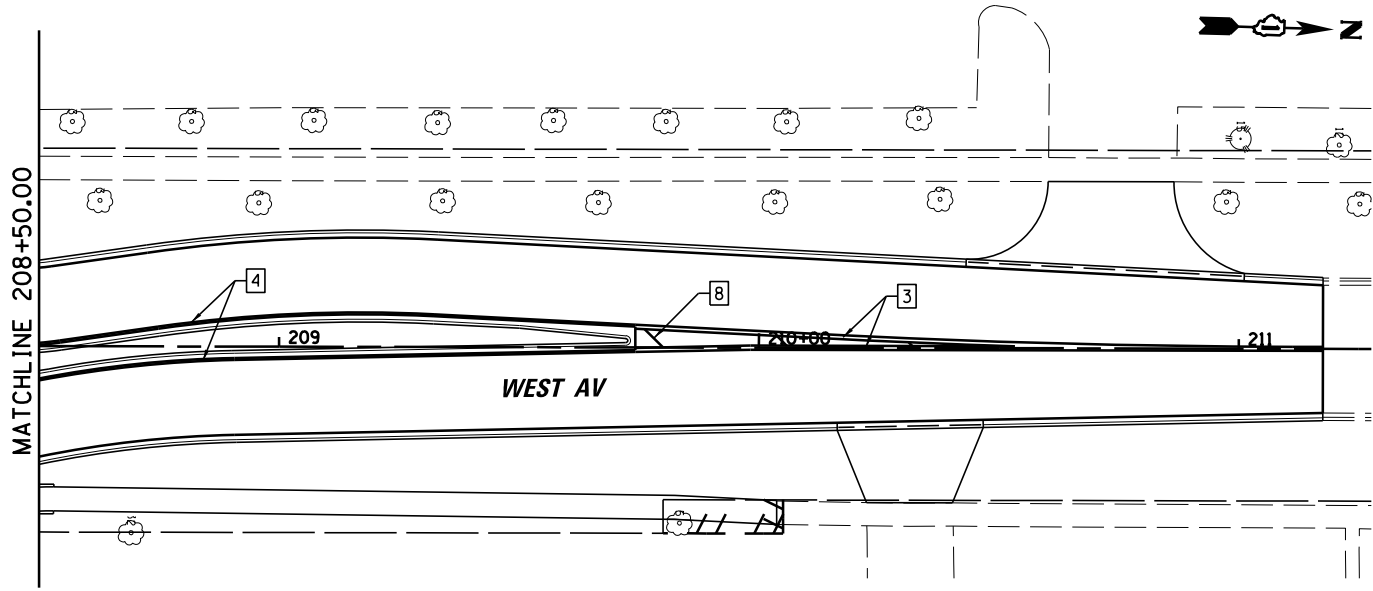
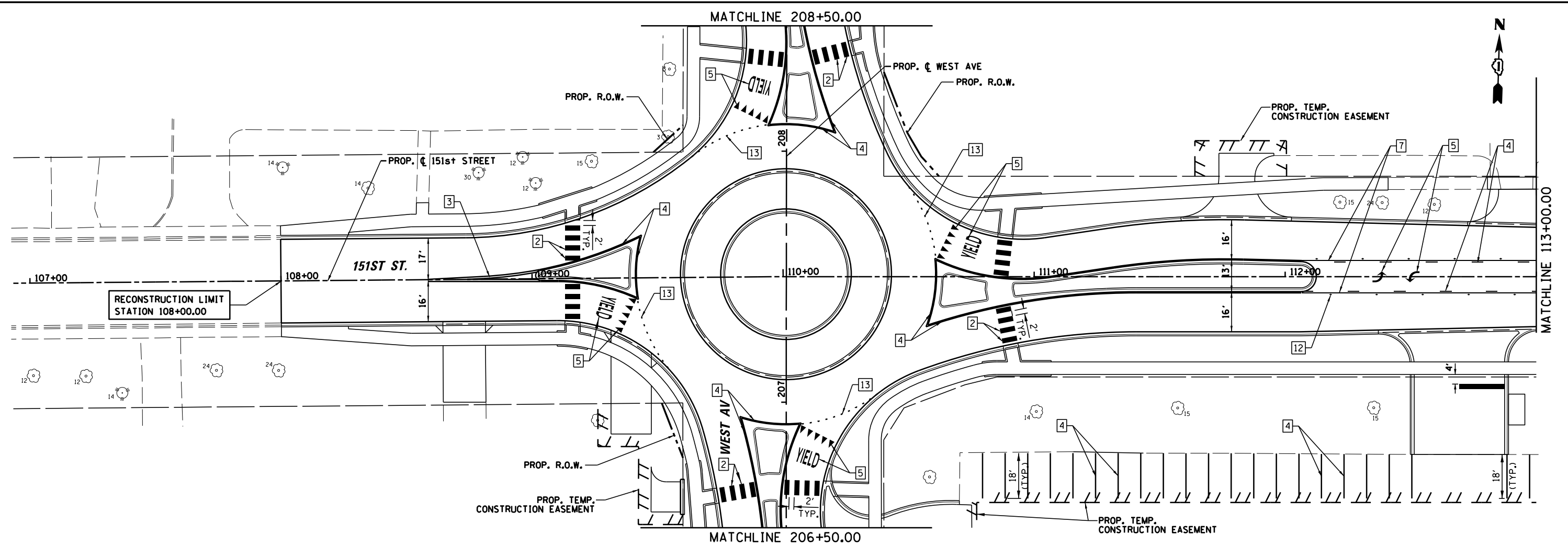
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Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 7/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
WEST AVENUE**

SCALE: 1" = 20'    SHEET 1 OF 5 SHEETS    STA. 201+50.00 TO STA. 206+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2705	13-00071-00-WR	COOK	162	98
<b>CONTRACT NO. 61F86</b>				
ILLINOIS FED. AID PROJECT				

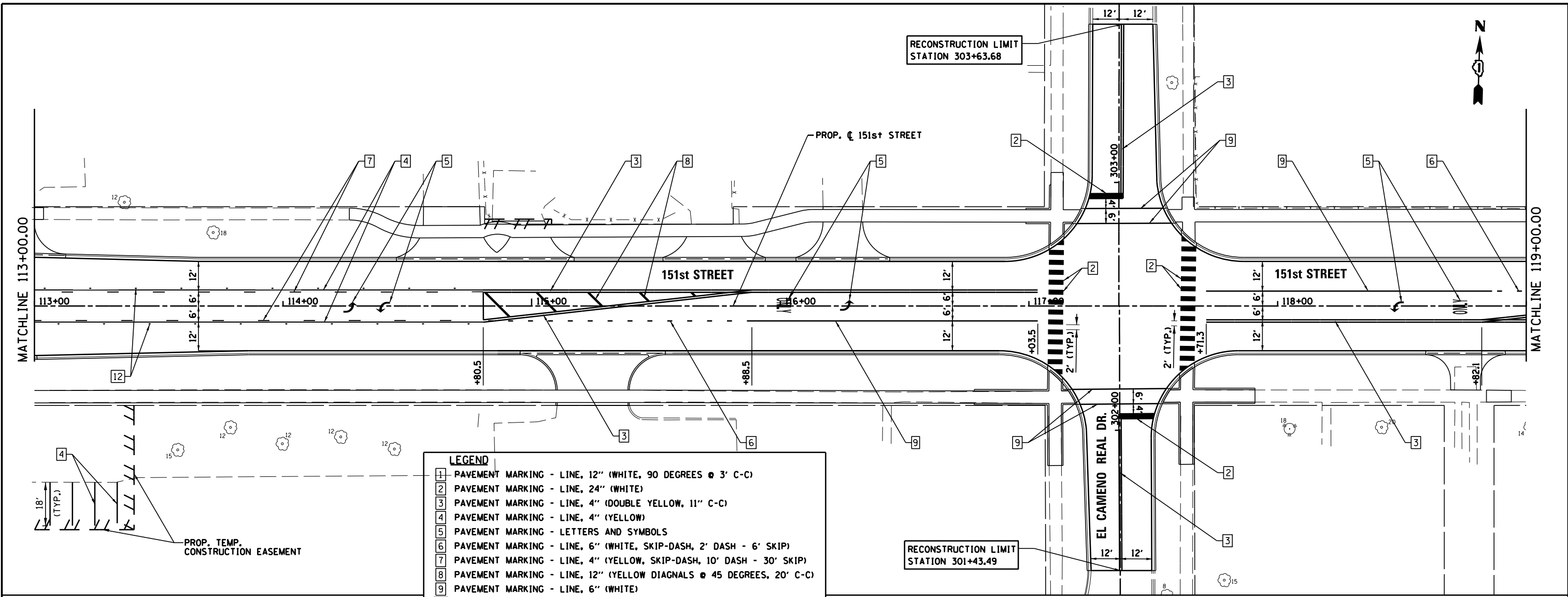


**LEGEND**

- 1 PAVEMENT MARKING - LINE, 12" (WHITE, 90 DEGREES @ 3' C-C)
- 2 PAVEMENT MARKING - LINE, 24" (WHITE)
- 3 PAVEMENT MARKING - LINE, 4" (DOUBLE YELLOW, 11" C-C)
- 4 PAVEMENT MARKING - LINE, 4" (YELLOW)
- 5 PAVEMENT MARKING - LETTERS AND SYMBOLS
- 6 PAVEMENT MARKING - LINE, 6" (WHITE, SKIP-DASH, 2' DASH - 6' SKIP)
- 7 PAVEMENT MARKING - LINE, 4" (YELLOW, SKIP-DASH, 10' DASH - 30' SKIP)
- 8 PAVEMENT MARKING - LINE, 12" (YELLOW DIAGNALS @ 45 DEGREES, 20' C-C)
- 9 PAVEMENT MARKING - LINE, 6" (WHITE)
- 10 PAVEMENT MARKING - LINE, 4" (WHITE, SKIP-DASH, 10' DASH - 30' SKIP)
- 11 PAVEMENT MARKING - LINE, 12" (WHITE DIAGNALS @ 45 DEGREES, 3' C-C)
- 12 RAISED REFLECTIVE PAVEMENT MARKER - ONE WAY CRYSTAL @ 40' O.C.
- 13 PAVEMENT MARKING - LINE, 8" (WHITE, SKIP-DASH, 2' DASH - 6' SKIP)

**NOTE:** CONTRACTOR TO REINSTATE ALL PAVEMENT MARKINGS OUTSIDE PROJECT LIMITS THAT WERE REMOVED DURING MAINTENANCE OF TRAFFIC.

FILE NAME =	USER NAME = pmagnelli	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING PLAN 151st STREET</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ORLANDPARK\150272.ph2\Consultants\1007\Cadd_Deliverable\161F86-sht-PMK-02.dgn		DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET 2 OF 5 SHEETS	STA. 108+00.00 TO STA. 113+00	1603	13-00071-00-WR	COOK	162	99
Default	PLOT SCALE = 48"	CHECKED -	REVISED -					<b>CONTRACT NO. 61F86</b>				
	PLOT DATE = 7/11/2019	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



**LEGEND**

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**NOTE:** CONTRACTOR TO REINSTATE ALL PAVEMENT MARKINGS OUTSIDE PROJECT LIMITS THAT WERE REMOVED DURING MAINTENANCE OF TRAFFIC.

