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## GENERAL NOTES PAVING AND STORM SEWERS

### SPECIFICATIONS

THE APRIL 1, 2016 EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" SHALL GOVERN ALL WORK ASSOCIATED WITH THIS PROJECT. THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" MAY GOVERN OTHER WORK ON THIS PROJECT AS INDICATED BY REFERENCE.

### CARE IN EXCAVATION

THE CONTRACTOR SHALL EXERCISE CARE DURING EARTH AND/OR TRENCHING OPERATIONS TO AVOID DAMAGE TO LOCAL UTILITY SERVICES, WATER VALVES, MANHOLES, CATCH BASINS, INLETS, BUFFALO BOXES, AND OTHER STRUCTURES. ALL DAMAGE DONE BY THE CONTRACTOR, WHETHER THE STRUCTURE OR SERVICE IS VISIBLE AT THE GROUND SURFACE OR NOT, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 105.07 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

### NOTIFICATION OF PUBLIC UTILITIES

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OFFICIALS OF THE PUBLIC WORKS DEPARTMENT OF THE LOCAL MUNICIPALITIES AT (708)749-4700 BERWYN, J.U.L.I.E. AT 1-800-892-0123 OR 811, AND OTHER PUBLIC AND PRIVATE UTILITIES TO MAKE ARRANGEMENTS TO LOCATE THEIR VARIOUS FACILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER THIS CONTRACT, AND TO PROVIDE ADEQUATE PROTECTION AND INSPECTION. THE CONTRACTOR SHALL DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES IN THE FIELD.

### TRAFFIC CONTROL DEVICES

BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 107.14 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

### PROTECTION OF SIGNS AND PROPERTY

ALL TRAFFIC SIGNS, STREET SIGNS, ETC., THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AND PLACED AT NEW LOCATIONS AS DESIGNATED BY THE ENGINEER. IN ADDITION, ALL MAIL BOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE SIMILARLY RELOCATED IN ACCORDANCE WITH ARTICLES 107.20 AND 107.21 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

### SUPERINTENDENCE

THE CONTRACTOR SHALL HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT AND SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVING CONTROL OF ALL THE WORK AS THE AGENT OF THE GENERAL CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.

### CONSTRUCTION LAYOUT STAKES

THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH WOODEN STAKES OR OTHER LAYOUT MATERIALS FOR LAYOUT OF THE LINES AND GRADES OF THE PROJECT. FAILURE TO PROVIDE STAKES IN A TIMELY MANNER WILL RESULT IN A DELAY IN STAKEOUT WHICH WILL BE APPLICABLE AGAINST THE TIME LIMIT FOR COMPLETION SHOWN IN THE PROJECT SPECIFICATIONS. LINE AND GRADE WILL BE ESTABLISHED BY THE ENGINEER AT REGULAR INTERVALS ON PERMANENTLY PAVED SURFACES, SIDEWALKS OR STAKES AT THE ENGINEER'S OPTION, ALL WITHIN THE PUBLIC RIGHT-OF-WAY AND SHALL BE TRANSFERRED BY THE CONTRACTOR TO THE ACTUAL LINE OF CONSTRUCTION.

### PROJECT SAFETY

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

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

THE CONTRACTOR SHALL COMPLY WITH AND OBSERVE THE RULES AND REGULATIONS OF O.S.H.A. AND APPROPRIATE AUTHORITIES REGARDING SAFETY PROVISIONS. THE CONTRACTOR, ENGINEER, AND OWNER SHALL EACH BE RESPONSIBLE FOR THEIR OWN RESPECTIVE AGENTS AND EMPLOYEES.

THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS, OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS/HER WORK IN ACCORDANCE WITH THE DOCUMENTS AND SPECIFICATIONS.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

### MISCELLANEOUS

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

## SPECIAL PROJECT NOTES

- 1.) ALL EXISTING FRAMES AND LIDS THAT ARE TO BE REPLACED (AS DIRECTED BY THE ENGINEER), SHALL BE SALVAGED TO THE CONTRACTOR.
- 2.) MEET EXISTING CURB AND FLOW LINE ELEVATIONS AT REPLACEMENT LIMITS.
- 3.) ALL CATCH BASINS, MANHOLES, INLETS AND SIMILAR STRUCTURES NEWLY CONSTRUCTED, ADJUSTED OR RECONSTRUCTED SHALL BE CLEANED OF ANY SILT AND DEBRIS OF ANY KIND AND BE FREE OF SUCH MATERIALS AT THE TIME OF FINAL INSPECTION IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
- 4.) BUFFALO BOXES WITHIN SIDEWALK AND DRIVEWAY REMOVAL LIMITS SHALL BE ADJUSTED AS DIRECTED.
- 5.) ALL PROPOSED STORM SEWER LATERAL RECONSTRUCTION PIPE SHALL BE PVC (SDR 26), ASTM D-2241, 8" DIA. AND SHALL BE INSTALLED WITH INLET AND CATCH BASIN, SPECIALS.
- 6.) DRAINAGE STRUCTURE FABRICATION WILL NOT COMMENCE PRIOR TO FIELD VERIFICATION OF PIPE CONNECTIONS BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- 7.) DRAINAGE STRUCTURE FABRICATION WILL NOT COMMENCE PRIOR TO FIELD VERIFICATION OF PIPE CONNECTIONS BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- 8.) IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE CANADIAN NATIONAL RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE CN RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.

FILE NAME	CITY OF BERWYN FAU 3569 (RIVERSIDE DRIVE) FAP 0348 (HARLEM AVENUE) TO FAU 1453 (CERMAK ROAD)	USER NAME =	DESIGNED -- AMS	REVISED -- TRB 5/09/18
			DRAWN -- JFP	REVISED -- TRB 7/18/18
		PLOT SCALE =	CHECKED -- TRB	REVISED -- TRB 11/19/18
#13217	RESURFACING, CURB, GUTTER	PLOT DATE =	DATE -- 4/13/18	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, LIST OF DISTRICT 1 STANDARD DETAILS,  
LIST OF ILLINOIS DOT HIGHWAY STANDARDS, GENERAL NOTES,  
SPECIAL PROJECT NOTES**

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

 <b>NOVOTNY ENGINEERING</b>		545 Plainfield Road, Suite A Willowbrook, IL 60527		
		T: (630) 887.8640 F: (630) 887.0132		
<small>Illinois Professional Design Firm No. 184-020928</small>				
F.A.U. PTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	2
<b>CONTRACT NO. 61F01</b>				
FED. AID PROJECT		ILLINOIS FED. AID PROJECT		



## MWRDGC GENERAL NOTES

### A. REFERENCED SPECIFICATIONS

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
  - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
  - STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
  - CITY OF BERWYN MUNICIPAL CODE;
  - THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
  - IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

### B. NOTIFICATIONS

- THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).
- THE CITY OF BERWYN PUBLIC WORKS DEPARTMENT DEPARTMENT MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

### C. GENERAL NOTES

- ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONVERSION FACTOR IS \_\_\_\_\_ FT. (CITY OF CHICAGO DATUM)
- MWRD, THE MUNICIPALITY, SLTSD AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
- THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, SLTSD, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
- THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. SLTSD PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
- THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
- ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER. THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS" SHALL BE REQUIRED FOR MATERIAL AND COMPACTION TESTING.
- THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
- ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
- RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

### D. SANITARY SEWER

- THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
- A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
- DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
- ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
- ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
- ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.

- ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE	ASTM D-3034	ASTM D-3212
6-INCH TO 15-INCH DIAMETER SDR 26	ASTM F-679	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM D-3350	ASTM D-3261,F-2620 (HEAT FUSION)
HIGH DENSITY POLYETHYLENE (HDPE)	ASTM D-3035	ASTM D-3212,F-477 (GASKETED)
WATER MAIN QUALITY PVC		
4-INCH TO 36-INCH	ASTM D-2241	ASTM D-3139
4-INCH TO 12-INCH	AWWA C900	ASTM D-3139
14-INCH TO 48-INCH	AWWA C905	ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D3212, F-477
8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE 1/4" TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12 ABOVE THE TOP OF THE PIPE WHEN USING PVC.		
9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.		
10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.		
11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED: <ol style="list-style-type: none"> <li>A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.</li> <li>REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.</li> <li>WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.</li> </ol>		
12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMANS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.		
13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.		
14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.		
15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.		
16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.		
17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.		

- A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

### E. EROSION AND SEDIMENT CONTROL

- THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
- ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
  - UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
  - ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- 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.
- MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
- TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
- 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.
- ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
- VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
- EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
- STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
- THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMANS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
- ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
- THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.

## EROSION CONTROL NOTES

- CONCRETE TRUCKS MAY NOT WASH OUT ON SITE. DUE TO THE CLOSE PROXIMITY OF THE CONCRETE READY MIX SITE, (LESS THAN 1 MILE), CONCRETE TRUCKS SHALL RETURN TO THE PLANT FOR WASHOUT.
- UPON INSTALLATION OF THE NEW CATCH BASINS AND INLETS WITH OPEN LIDS, INLET FILTERS SHALL IMMEDIATELY BE INSTALLED IN THEM TO CONTROL/PREVENT SEDIMENT INTO THE SEWER SYSTEM.
- IMMEDIATELY AFTER THE INSTALLATION OF THE STREET PAVING, ALL DISTURBED AREAS SHALL BE RESTORED WITH TOPSOIL, SEEDING, AND EROSION CONTROL BLANKET.

FILE NAME CITY OF BERWYN  
FAU 3569 (RIVERSIDE DRIVE)  
FAP 0348 (HARLEM AVENUE) TO FAU 1453 (CERMAX ROAD)  
#13217 RESURFACING, CURB, GUTTER

USER NAME =  
DESIGNED -- AMS  
DRAWN -- JFP  
CHECKED -- TRB  
DATE -- 4/13/18

REVISED -- TRB 5/09/18  
REVISED -- TRB 7/18/18  
REVISED --  
REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MWRDGC GENERAL NOTES  
EROSION CONTROL NOTES

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

 <b>NOVOTNY ENGINEERING</b> <small>Illinois Professional Design Firm No. 184-000928</small>		545 Plainfield Road, Suite A Willowbrook, IL 60527		
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	3
CONTRACT NO. 61F01				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



Specialty Item	Special Provision	Code No	Item	Unit	Total Quantity	Construction Code Roadway 0005
		20200100	EARTH EXCAVATION	CU YD	150	150
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100	100
		20800150	TRENCH BACKFILL	CU YD	60	60
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1300	1300
		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	25	25
		25000500	POTASSIUM FERTILIZER NUTRIENT	POUND	25	25
		25200110	SODDING, SALT TOLERANT	SQ YD	1300	1300
		25200200	SUPPLEMENTAL WATERING	UNIT	20	20
		28000510	INLET FILTERS	EACH	55	55
	SP	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	100	100
	SP	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	17500	17500
		40600400	MIXTURE FOR CRACKS, JOINTS AND FLANGWAYS	TON	35	35
		40600535	LEVELING BINDER (HAND METHOD), N70	TON	80	80
		40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1485	1485
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	525	525
		40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	405	405
		40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2965	2965
		42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 7 INCH	SQ YD	600	600
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8 INCH	SQ YD	100	100
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	13000	13000
		42400800	DETECTABLE WARNINGS	SQ FT	750	750
		44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	25700	25700
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	700	700
		44000600	SIDEWALK REMOVAL	SQ FT	13000	13000
		44002212	HOT-MIX REMOVAL OVER PATCHES, 3"	SQ YD	2400	2400
		44201341	CLASS C PATCHES, TYPE II, 9 INCH	SQ YD	400	400
		44201345	CLASS C PATCHES, TYPE III, 9 INCH	SQ YD	500	500
		44201347	CLASS C PATCHES, TYPE IV, 9 INCH	SQ YD	1500	1500
		44213204	TIE BARS 3/4"	EACH	1500	1500
		55100500	STORM SEWER REMOVAL 12"	FOOT	165	165
	SP	56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	2	2
		60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	9	9
		60250200	CATCH BASINS TO BE ADJUSTED	EACH	9	9
		60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	7	7
		60255500	MANHOLES TO BE ADJUSTED	EACH	2	2
		60260100	INLETS TO BE ADJUSTED	EACH	13	13
		60265700	VALVE VAULTS TO BE ADJUSTED	EACH	2	2
		60257900	MANHOLES TO BE RECONSTRUCTED	EACH	22	22
		60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	3	3
		60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1
		60405000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	25	25
		60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	30	30
		60500060	REMOVING INLETS	EACH	9	9
		60500205	FILLING CATCH BASINS	EACH	1	1
	*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	35	35

Δ 0042

Specialty Item	Special Provision	Code No	Item	Unit	Total Quantity	Construction Code Roadway 0005
*		66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1
*		66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
*		66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DAY	1	1
*		66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
		67100100	MOBILIZATION	L SUM	1	1
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD, 701501	L SUM	1	1
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD, 701701	L SUM	1	1
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD, 701801	L SUM	1	1
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	FOOT	3000	3000
		70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	300	300
		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	5500	5500
		70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1000	1000
		70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1300	1300
		70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	560	560
*		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	250	250
*		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3000	3000
*		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4800	4800
*		78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	200	200
*		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1500	1500
*		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	750	750
*	SP	88600600	DETECTOR LOOP REPLACEMENT	FOOT	2000	2000
*	SP	89502376	REBUILD EXISTING HANDHOLE	EACH	1	1
	SP	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1
		X0322712	STREET NAME SIGNS	EACH	6	6
	SP	X0326806	WASHOUT BASIN	L SUM	1	1
	SP	X0795800	COARSE AGGREGATE	TON	200	200
	SP	X1200160	CONNECTION TO EXISTING DRAINAGE STRUCTURES	EACH	3	3
		X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	27	27
		X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	2
	SP	X4400500	COMBINATION CURB AND GUTTER REMOVAL (SPECIAL)	FOOT	5500	5500
	SP	X6022805	CATCH BASINS, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID, SPECIAL	EACH	3	3
	SP	X6029600	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID, SPECIAL	EACH	1	1
	SP	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	5	5
	SP	X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	5500	5500
	SP	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	65	65
	SP	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	10000	10000
	SP	Z0048665	RAILROAD PROTECTION LIABILITY INSURANCE	L SUM	1	1
	SP	Z0056604	STORM SEWER (WATER MAIN REQUIREMENTS) 8 INCH	FOOT	165	165
		Z0062458	TEMPORARY PAVEMENT (VARIABLE DEPTH)	TON	50	50
Δ	SP	Z0076600	TRAINEES	HOUR	500	500
Δ	SP	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500
		XX003168	WORK ZONE PAVEMENT REMOVAL, SPECIAL	FOOT	3000	3000
	SP	XX003541	CURED-IN-PLACE (CIPP), 12"	FOOT	3109	3109
	SP	XX003544	CURED-IN-PLACE (CIPP), 18"	FOOT	665	665
	SP	XX006464	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED (SPECIAL)	EACH	2	2
	SP	XX008824	CATCH BASINS, SPECIAL	EACH	11	11

FILE NAME CITY OF BERWYN  
FAU 3589 (RIVERSIDE DRIVE)  
FAP 0348 (HARLEM AVENUE) TO FAU 1453 (GERMAK ROAD)  
#13217 RESURFACING, CURB, GUTTER

USER NAME -	DESIGNED - AMS	REVISED - TRB 5/09/18
DRAWN - JFP	CHECKED - TRB	REVISED - TRB 7/18/18
PLOT SCALE -	DATE - 4/13/18	REVISED - TRB 3/08/19
PLOT DATE -		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

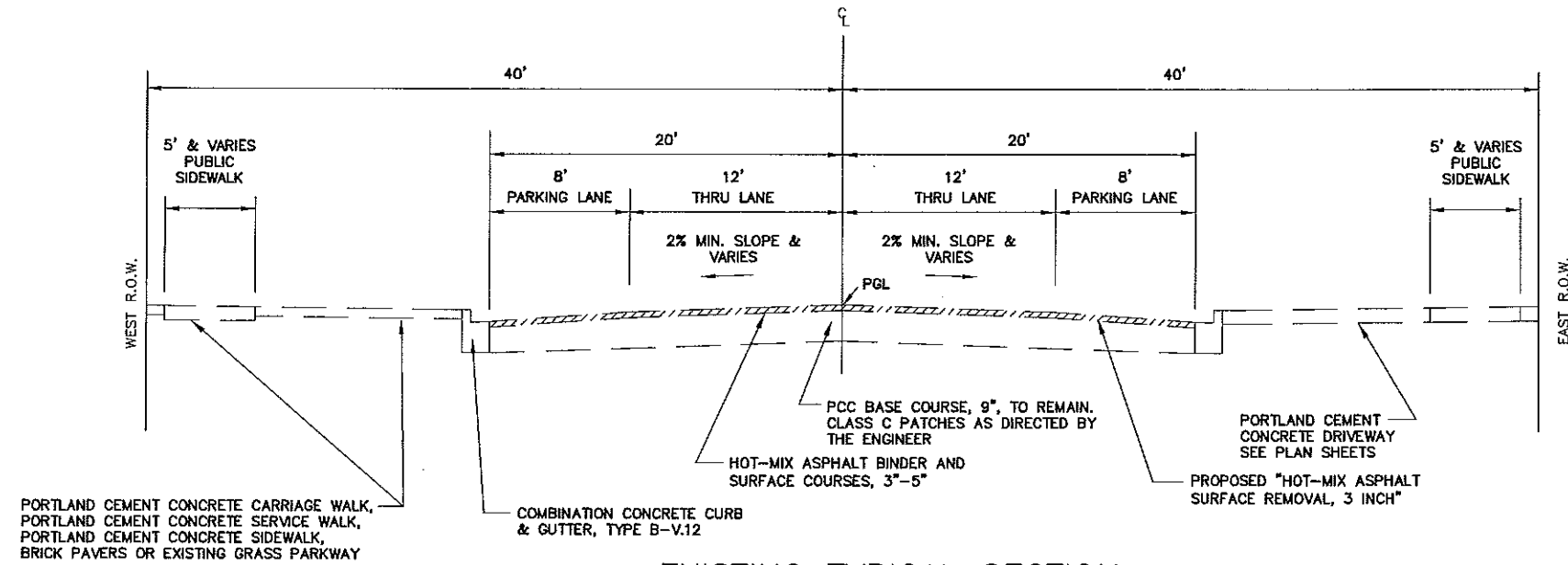
SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.



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Illinois Professional Design Firm No. 184-000928

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3589	16-00174-00-RS	COOK	33	4
CONTRACT NO. 61F01			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



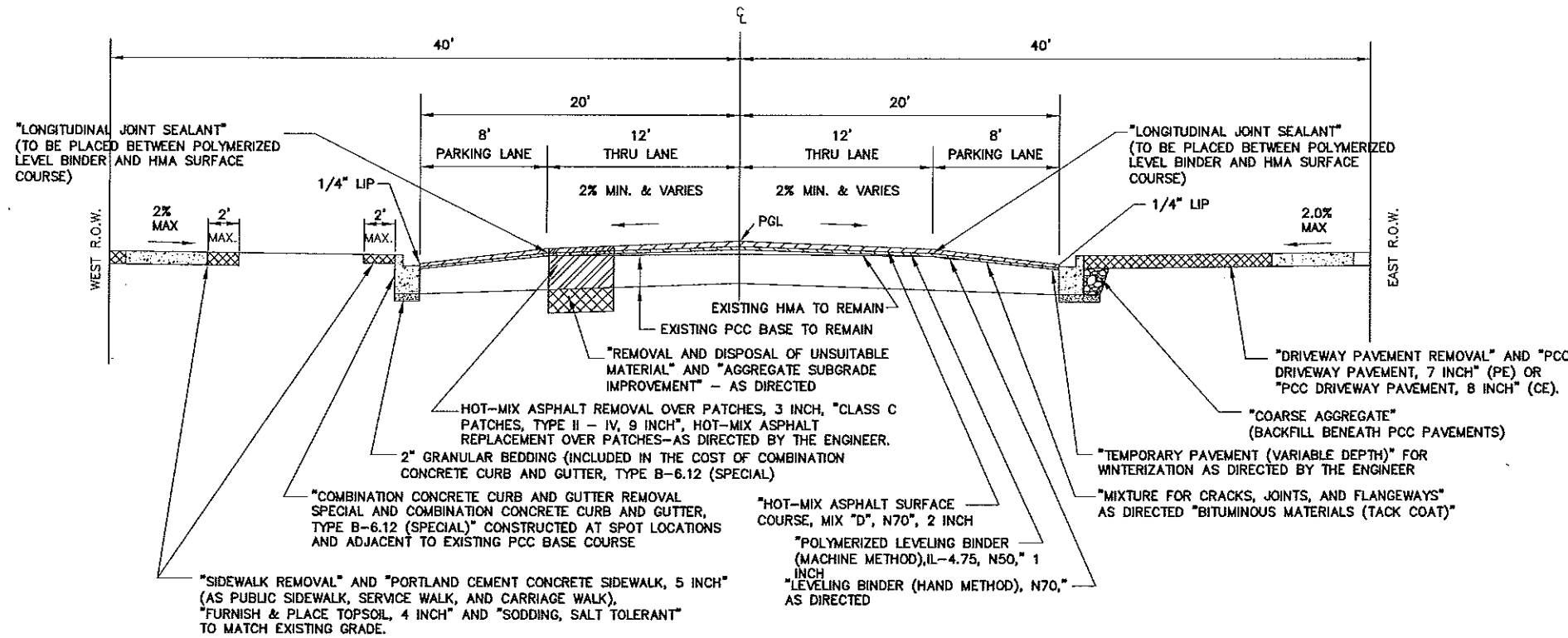


**EXISTING TYPICAL SECTION**  
STA. 0+61 TO STA. 49+45, RIVERSIDE DRIVE

NOTE: CONTRACTOR SHALL PATCH BEFORE MILLING.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ NDES
<b>PAVEMENT RESURFACING</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, (IL-9.5mm)	4% @ 70 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50,	3.5% @ 50 GYR
LEVELING BINDER (HAND METHOD), N70, (IL-9.5mm)	4% @ 70 GYR
<b>PATCHING</b>	
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES, (HMA BINDER, IL-19.0mm), 3"	4% @ 70 GYR
<b>TEMPORARY PAVEMENT (VARIABLE DEPTH)</b>	
LEVELING BINDER (HAND METHOD), N50, (IL-9.5mm)	4% @ 50 GYR

THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD./IN.  
 "THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22"  
 UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS"  
 FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS



**PROPOSED TYPICAL SECTION**  
STA. 0+61 TO STA. 49+45, RIVERSIDE DRIVE

**IMPORTANT!**  
 FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FILE NAME CITY OF BERWYN FAU 3569 (RIVERSIDE DRIVE) FAP 0348 (HARLEM AVENUE) TO FAU 1453 (CERMAK ROAD) #13217 RESURFACING, CURB, GUTTER	USER NAME =	DESIGNED AMS DRAWN - JFP CHECKED - TRB DATE - 4/13/18	REVISED - TRB 5/09/18 REVISED - TRB 7/18/18 REVISED - TRB 7/30/18 REVISED -
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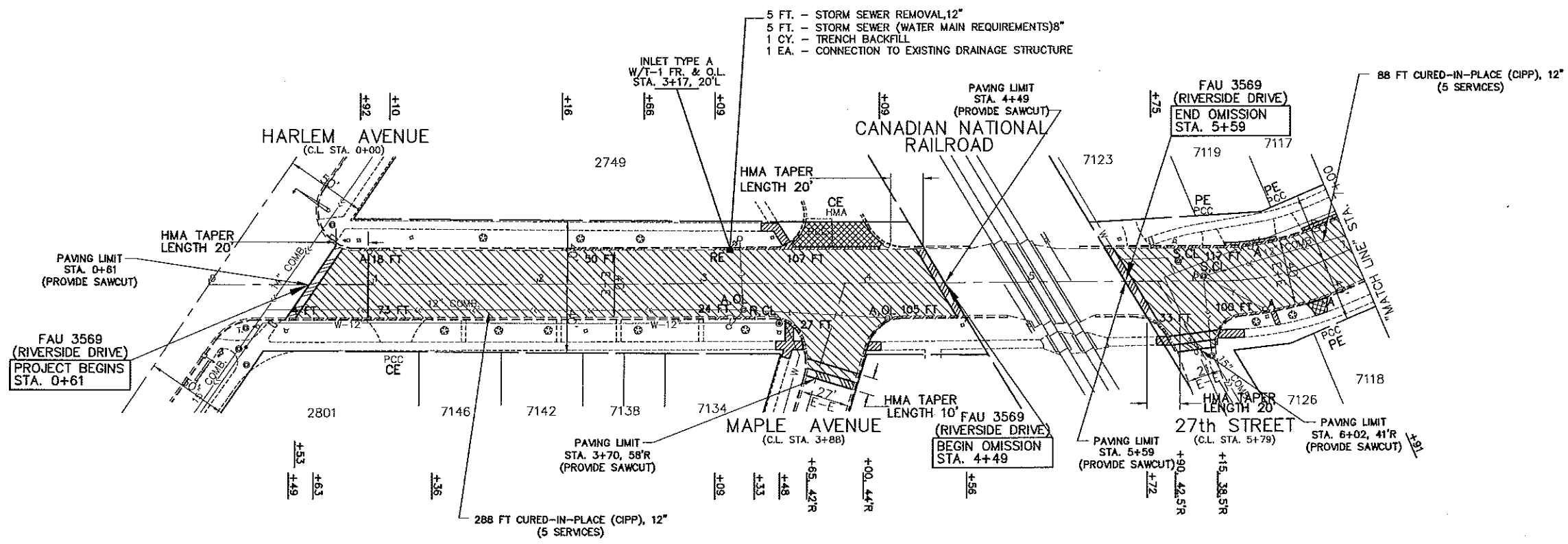
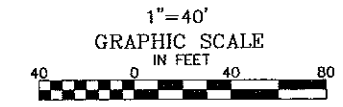
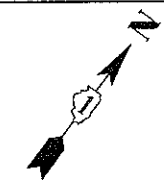
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
HOT-MIX ASPHALT MIXTURE REQUIREMENTS  
SCALE: 1"=5'

F.A.U. R.T.E. 3569	SECTION 16-00174-00-RS	COUNTY COOK	TOTAL SHEETS 33	SHEET NO. 5
	CONTRACT NO. 61F01			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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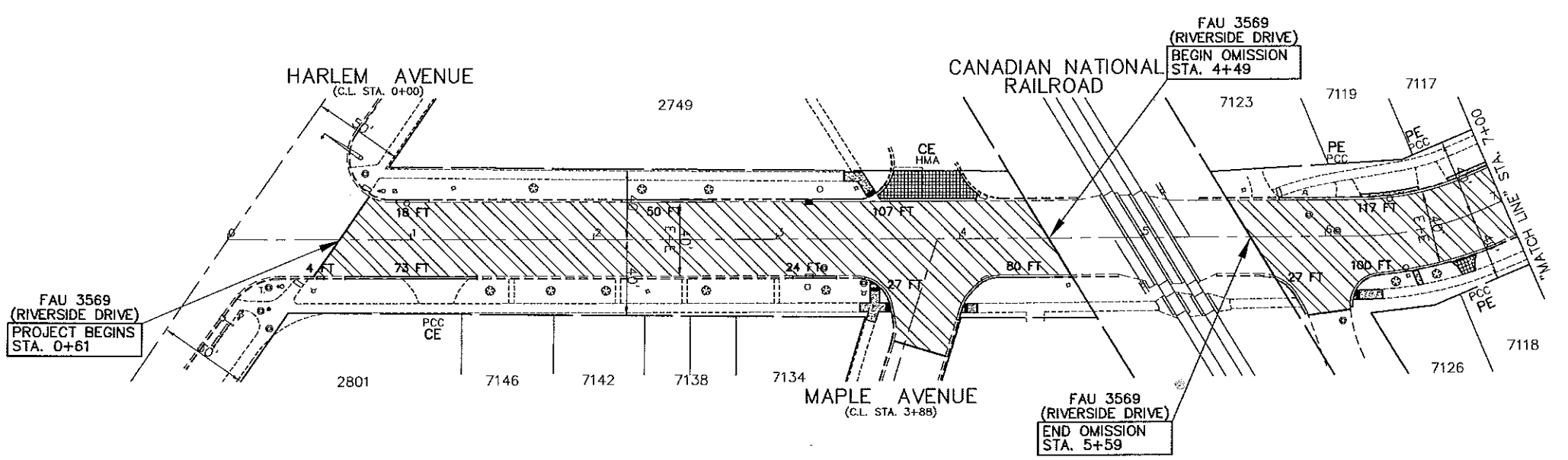


EXISTING

FOR CONTINUATION  
SEE SHEET 7

- REMOVAL LEGEND**
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT
  - DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3 INCH
  - DENOTES DRIVEWAY PAVEMENT REMOVAL
  - DENOTES SIDEWALK REMOVAL
  - 8 FT DENOTES COMBINATION CURB AND GUTTER REMOVAL (SPECIAL)
  - "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, HANDHOLES, INLETS, CATCH BASINS AND MANHOLES TO BE ADJUSTED
  - "BO" DENOTES EXISTING TO BE ADJUSTED (BY OTHERS)
  - "S" DENOTES EXISTING FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
  - "OL" DENOTES NEW FRAMES AND LIDS, TYPE I, OPEN LID
  - "CL" DENOTES NEW FRAMES AND LIDS, TYPE I, CLOSED LID
  - "R" DENOTES EXISTING MANHOLES, CATCH BASINS, AND VALVE VAULTS TO BE RECONSTRUCTED.
  - "RE" DENOTES REMOVING INLETS AND FILLING CATCH BASINS

- PROPOSED PAVEMENT LEGEND**
- DENOTES POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, NSO, 1 INCH AND HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2 INCH
  - DENOTES PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH OR PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
  - 8 FT DENOTES COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH WITH DETECTABLE WARNINGS PER I.D.O.T. STANDARDS FOR HANDICAP RAMPS (WHERE APPLICABLE) SEE CONSTRUCTION HIGHWAY STANDARDS
  - PE DENOTES PRIVATE ENTRANCE
  - CE DENOTES COMMERCIAL ENTRANCE
  - DENOTES CATCH BASINS, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID, SPECIAL OR CATCH BASIN, TYPE C, TYPE 1 FRAME, OPEN LID, SPECIAL OR CATCH BASINS, SPECIAL
  - DENOTES INLETS, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID



PROPOSED  
RIVERSIDE DRIVE

ALL SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

FOR TYPICAL SECTIONS OF NEW PAVEMENT WORK SEE SHEET 7

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

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Illinois Professional Design Firm No. 181-009728

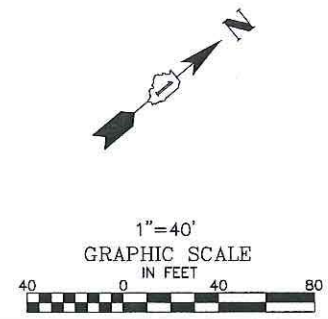
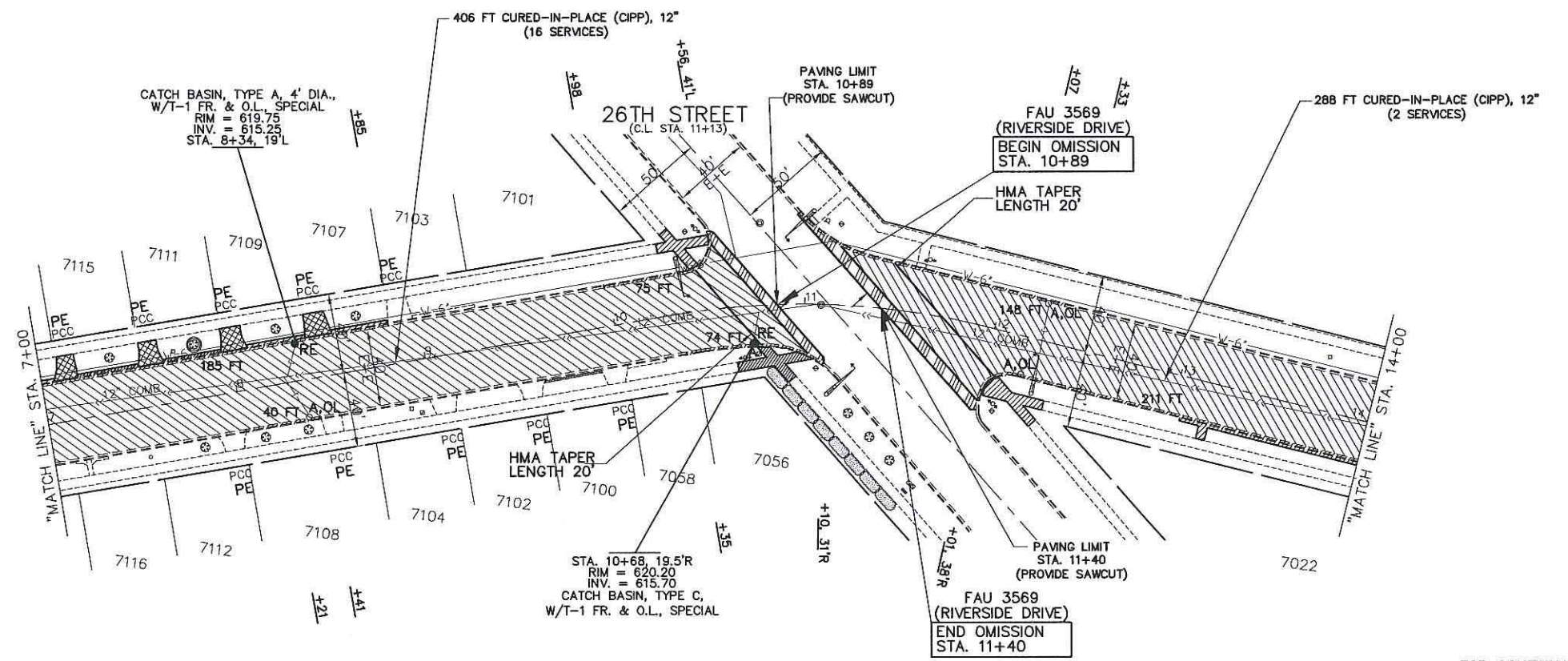
FILE NAME CITY OF BERWYN FAU 3569 (RIVERSIDE DRIVE) FAP 0348 (HARLEM AVENUE) TO FAU 1453 (CERMAK ROAD) #13217 RESURFACING, CURB, GUTTER	USER NAME =	DESIGNED -- AMS	REVISED -- TRB 5/09/18
PLOT SCALE =	CHECKED -- TRB	REVISION -- TRB 7/18/18	REVISION -- TRB 7/30/18
PLOT DATE =	DATE -- 4/13/18	REVISION --	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN: FAU 3569 (RIVERSIDE DRIVE) - STA. 0+61 TO STA. 7+00 (EXISTING & PROPOSED ROADWAY PLAN)			
SCALE: 1"=40'	SHEET NO. OF SHEETS	STA. 0+61 TO STA. 7+00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	6
CONTRACT NO. 61F01				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



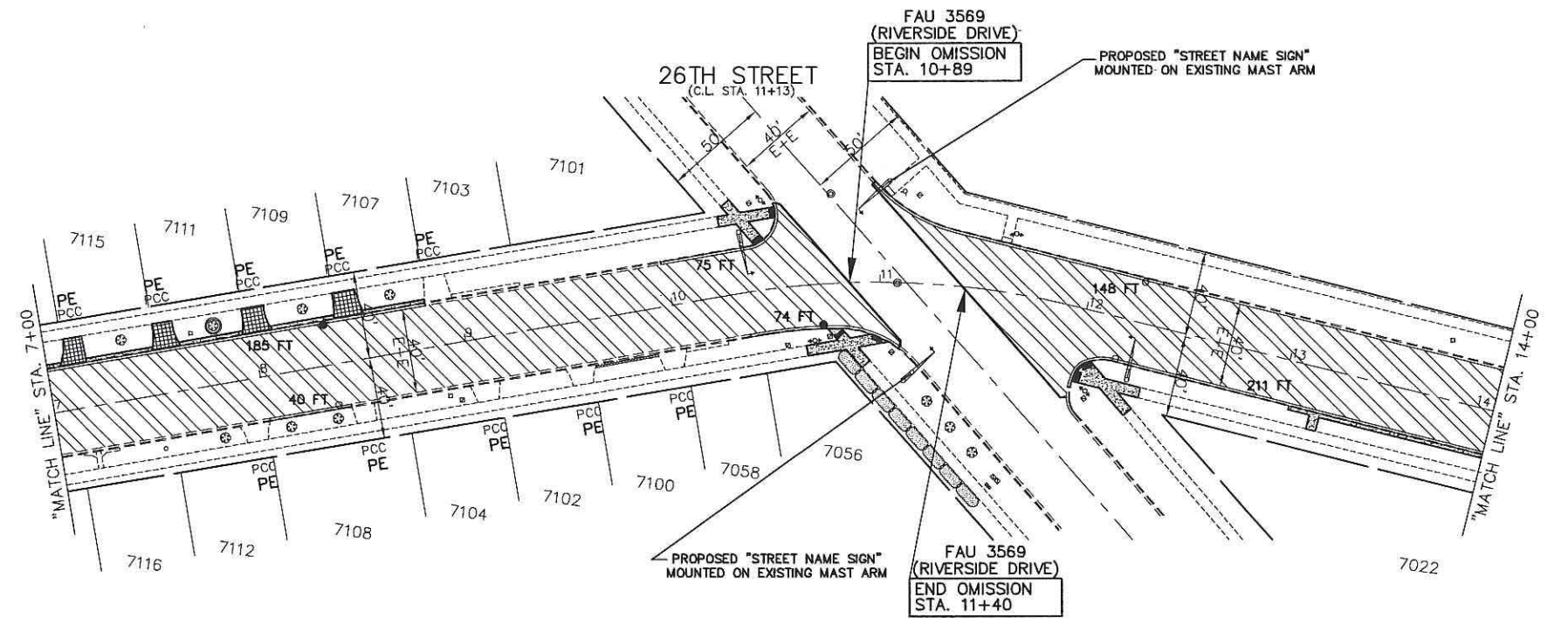


- REMOVAL LEGEND**
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL—BUTT JOINT
  - DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3 INCH
  - DENOTES DRIVEWAY PAVEMENT REMOVAL
  - DENOTES SIDEWALK REMOVAL
  - DENOTES COMBINATION CURB AND GUTTER REMOVAL (SPECIAL)
  - "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, HANDHOLES, INLETS, CATCH BASINS AND MANHOLES TO BE ADJUSTED
  - "BO" DENOTES EXISTING TO BE ADJUSTED (BY OTHERS)
  - "S" DENOTES EXISTING FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
  - "OL" DENOTES NEW FRAMES AND LIDS, TYPE I, OPEN LID
  - "CL" DENOTES NEW FRAMES AND LIDS, TYPE I, CLOSED LID
  - "R" DENOTES EXISTING MANHOLES, CATCH BASINS, AND VALVE VAULTS TO BE RECONSTRUCTED.
  - "RE" DENOTES REMOVING INLETS AND FILLING CATCH BASINS

FOR CONTINUATION  
SEE SHEET 6

FOR CONTINUATION  
SEE SHEET 8

EXISTING



- PROPOSED PAVEMENT LEGEND**
- DENOTES POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1 INCH AND HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2 INCH
  - DENOTES PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH OR PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
  - DENOTES COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH WITH DETECTABLE WARNINGS PER I.D.O.T. STANDARDS FOR HANDICAP RAMPS (WHERE APPLICABLE) SEE CONSTRUCTION HIGHWAY STANDARDS
  - PE DENOTES PRIVATE ENTRANCE
  - CE DENOTES COMMERCIAL ENTRANCE
  - DENOTES CATCH BASINS, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID, SPECIAL OR CATCH BASIN, TYPE C, TYPE 1 FRAME, OPEN LID, SPECIAL OR CATCH BASINS, SPECIAL
  - DENOTES INLETS, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID

ALL SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

FOR TYPICAL SECTIONS OF NEW PAVEMENT WORK SEE SHEET Z

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FILE NAME CITY OF BERWYN FAU 3569 (RIVERSIDE DRIVE) FAP 0348 (HARLEM AVENUE) TO FAU 1453 (CERMAK ROAD) #13217 RESURFACING, CURB, GUTTER	USER NAME =	DESIGNED — AMS	REVISED — TRB 5/09/18
		DRAWN — JFP	REVISED — TRB 7/18/18
		CHECKED — TRB	REVISED —
		DATE — 4/13/18	REVISED —

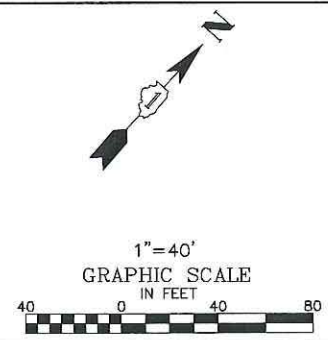
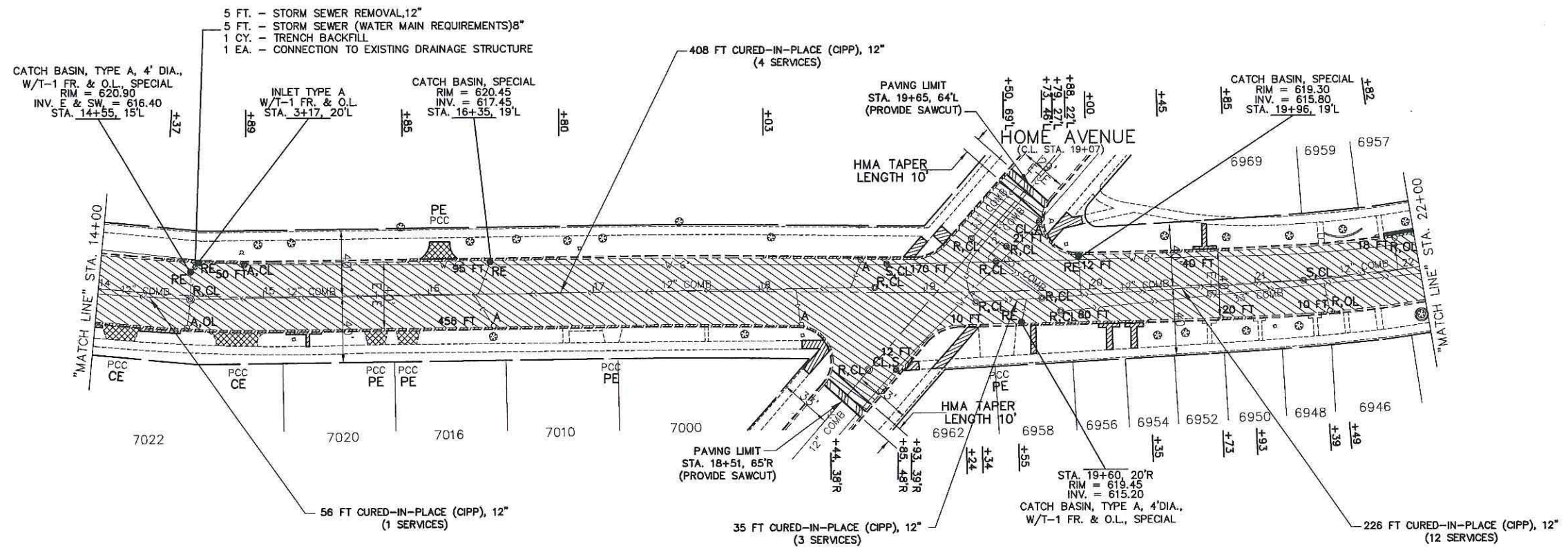
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>PLAN: FAU 3569 (RIVERSIDE DRIVE) -</b>			
STA. 7+00 TO STA. 14+00			
<b>(EXISTING &amp; PROPOSED ROADWAY PLAN)</b>			
SCALE: 1"=40'	SHEET NO.	OF SHEETS	STA. 7+00 TO STA. 14+00

**NOVOTNY ENGINEERING**  
545 Plainfield Road, Suite A  
Willowbrook, IL 60527  
T: 630 887.8440  
F: 630 887.0132  
Illinois Professional Design Firm No. 184-00928

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	7
CONTRACT NO. 61F01				
FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT				



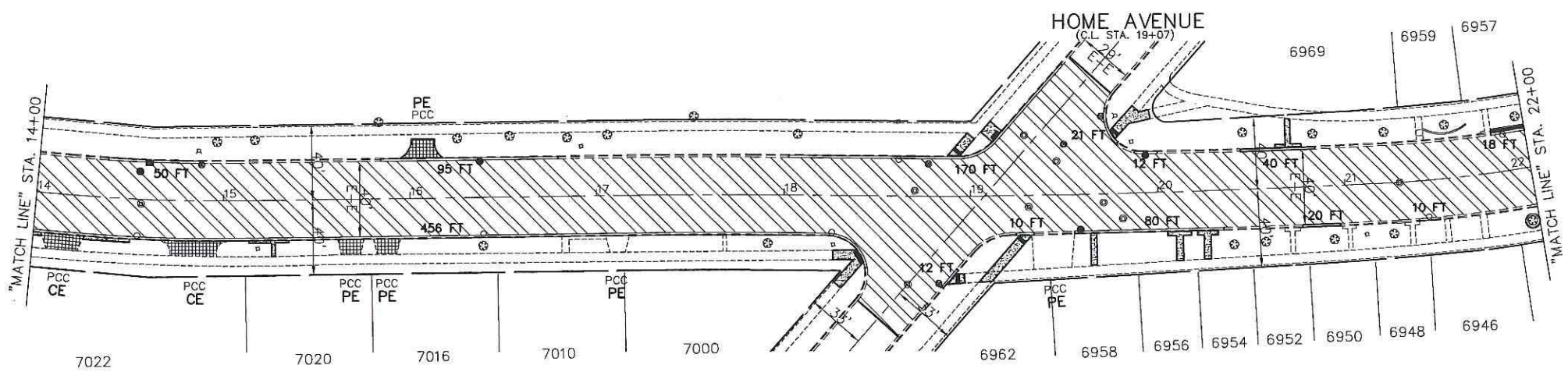


- REMOVAL LEGEND**
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT
  - DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3 INCH
  - DENOTES DRIVEWAY PAVEMENT REMOVAL
  - DENOTES SIDEWALK REMOVAL
  - DENOTES COMBINATION CURB AND GUTTER REMOVAL (SPECIAL)
  - "A"** DENOTES EXISTING VALVE VAULTS, VALVE BOXES, HANDHOLES, INLETS, CATCH BASINS AND MANHOLES TO BE ADJUSTED
  - "BO"** DENOTES EXISTING TO BE ADJUSTED (BY OTHERS)
  - "S"** DENOTES EXISTING FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
  - "OL"** DENOTES NEW FRAMES AND LIDS, TYPE I, OPEN LID
  - "CL"** DENOTES NEW FRAMES AND LIDS, TYPE I, CLOSED LID
  - "R"** DENOTES EXISTING MANHOLES, CATCH BASINS, AND VALVE VAULTS TO BE RECONSTRUCTED.
  - "RE"** DENOTES REMOVING INLETS AND FILLING CATCH BASINS

FOR CONTINUATION  
SEE SHEET 7

FOR CONTINUATION  
SEE SHEET 9

EXISTING



- PROPOSED PAVEMENT LEGEND**
- DENOTES POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1 INCH AND HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2 INCH
  - DENOTES PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH OR PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH.
  - DENOTES COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH WITH DETECTABLE WARNINGS PER I.D.O.T. STANDARDS FOR HANDICAP RAMPS (WHERE APPLICABLE) SEE CONSTRUCTION HIGHWAY STANDARDS
  - PE** DENOTES PRIVATE ENTRANCE
  - CE** DENOTES COMMERCIAL ENTRANCE
  - DENOTES CATCH BASINS, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID, SPECIAL OR CATCH BASIN, TYPE C, TYPE 1 FRAME, OPEN LID, SPECIAL OR CATCH BASINS, SPECIAL
  - DENOTES INLETS, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID

ALL SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

FOR TYPICAL SECTIONS OF NEW PAVEMENT WORK SEE SHEET Z

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FILE NAME CITY OF BERWYN FAU 3569 (RIVERSIDE DRIVE) FAP 0348 (HARLEM AVENUE) TO FAU 1463 (CERMAK ROAD) #13217 RESURFACING, CURB, GUTTER	USER NAME =	DESIGNED - AMS	REVISED - TRB 5/09/18
		DRAWN - JFP	REVISED - TRB 7/18/18
	PLOT SCALE =	CHECKED - TRB	REVISED -
	PLOT DATE =	DATE - 4/13/18	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

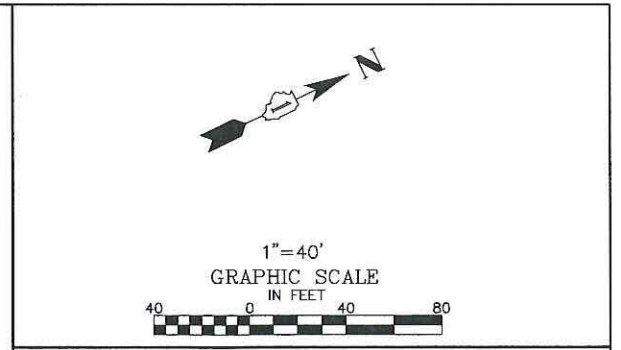
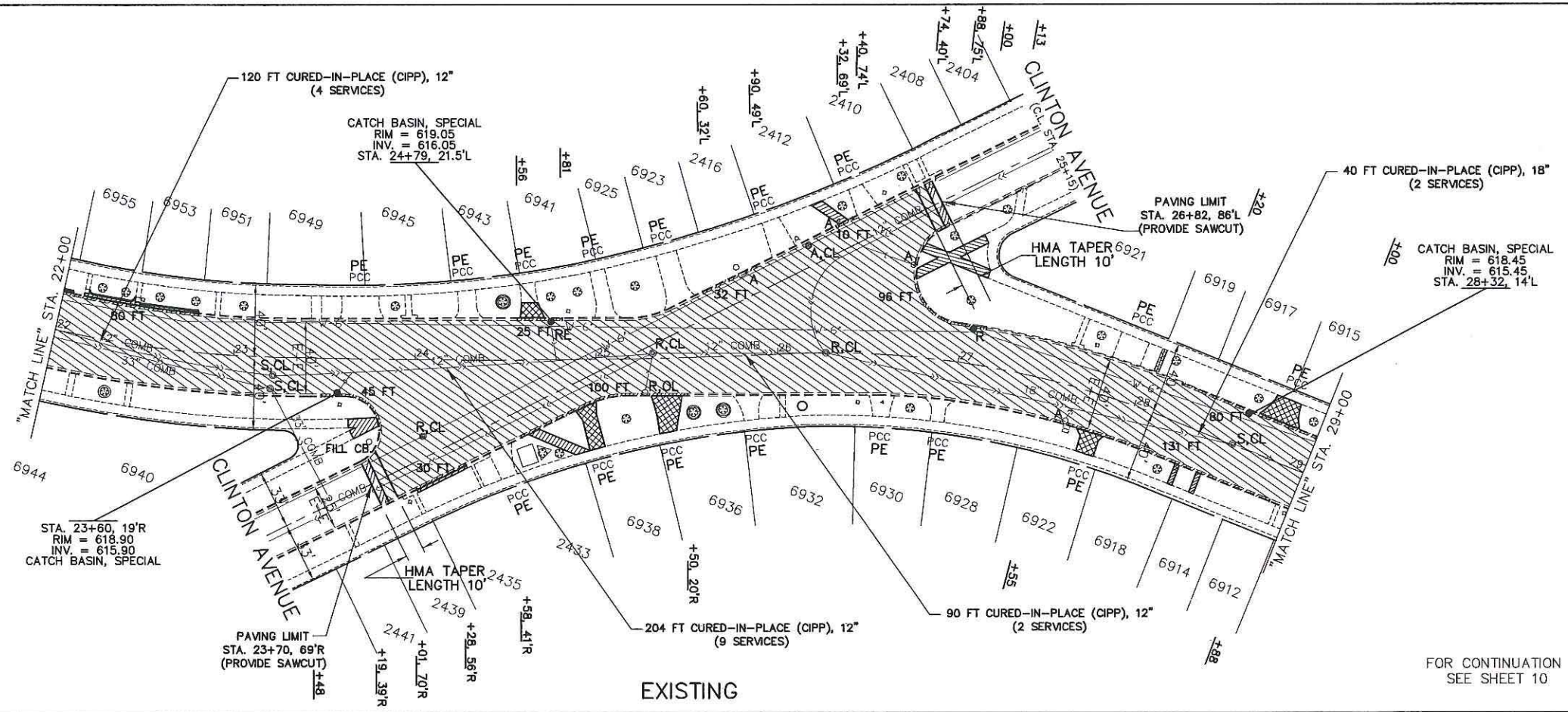
**PLAN: FAU 3569 (RIVERSIDE DRIVE) - STA. 7+00 TO STA. 22+00 (EXISTING & PROPOSED ROADWAY PLAN)**

SCALE: 1"=40' SHEET NO. OF SHEETS STA. 14+00 TO STA. 22+00

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545 Plainfield Road, Suite A  
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Illinois Professional Design Firm No. 186-000928

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	8
CONTRACT NO. 61F01				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

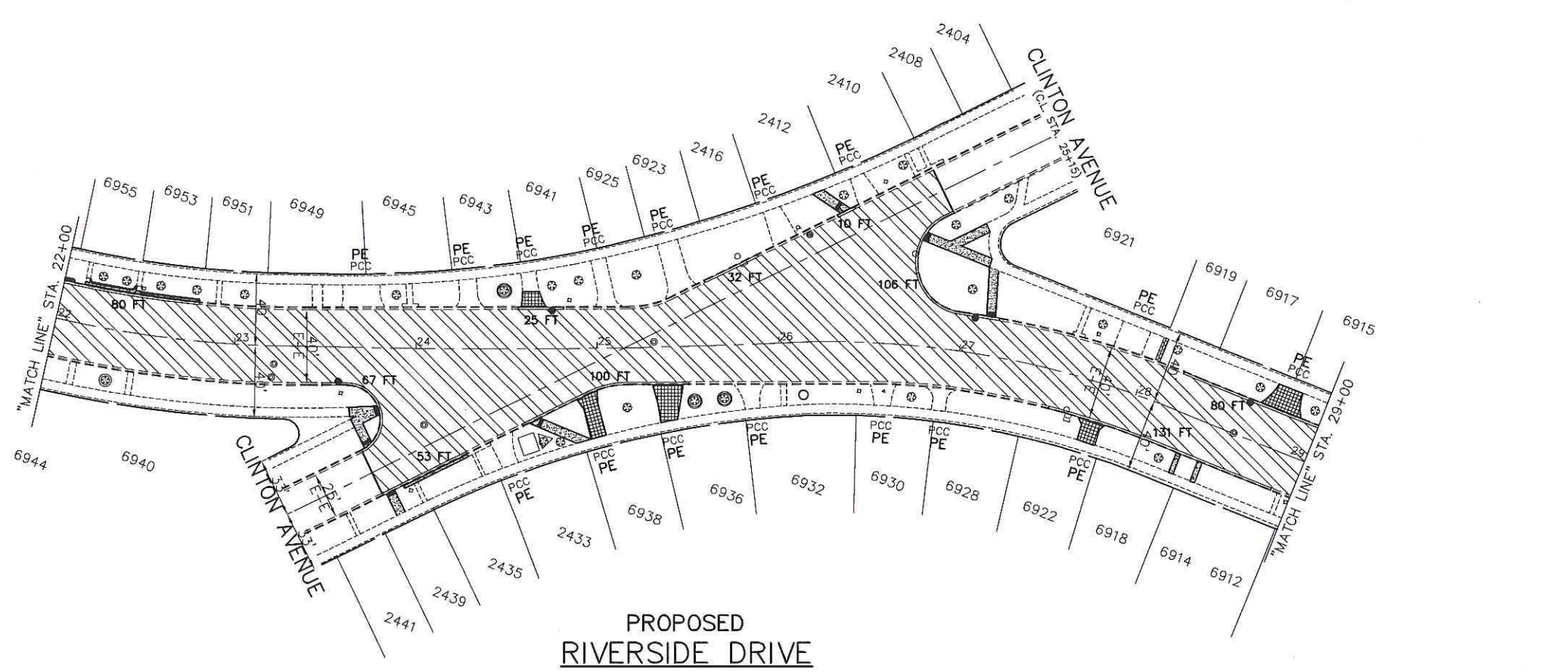




- REMOVAL LEGEND**
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT
  - DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3 INCH
  - DENOTES DRIVEWAY PAVEMENT REMOVAL
  - DENOTES SIDEWALK REMOVAL
  - DENOTES COMBINATION CURB AND GUTTER REMOVAL (SPECIAL)
  - "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, HANDHOLES, INLETS, CATCH BASINS AND MANHOLES TO BE ADJUSTED
  - "BO" DENOTES EXISTING TO BE ADJUSTED (BY OTHERS)
  - "S" DENOTES EXISTING FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
  - "OL" DENOTES NEW FRAMES AND LIDS, TYPE I, OPEN LID
  - "CL" DENOTES NEW FRAMES AND LIDS, TYPE I, CLOSED LID
  - "R" DENOTES EXISTING MANHOLES, CATCH BASINS, AND VALVE VAULTS TO BE RECONSTRUCTED.
  - "RE" DENOTES REMOVING INLETS AND FILLING CATCH BASINS

FOR CONTINUATION  
SEE SHEET 8

FOR CONTINUATION  
SEE SHEET 10



- PROPOSED PAVEMENT LEGEND**
- DENOTES POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, NSO, 1 INCH AND HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2 INCH
  - DENOTES PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH OR PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
  - DENOTES COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH WITH DETECTABLE WARNINGS PER I.D.O.T. STANDARDS FOR HANDICAP RAMPS (WHERE APPLICABLE) SEE CONSTRUCTION HIGHWAY STANDARDS
  - PE DENOTES PRIVATE ENTRANCE
  - CE DENOTES COMMERCIAL ENTRANCE
  - DENOTES CATCH BASINS, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID, SPECIAL OR CATCH BASIN, TYPE C, TYPE 1 FRAME, OPEN LID, SPECIAL OR CATCH BASIN, SPECIAL
  - DENOTES INLETS, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID

ALL SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

FOR TYPICAL SECTIONS OF NEW PAVEMENT WORK SEE SHEET 7

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FILE NAME CITY OF BERWYN FAU 3569 (RIVERSIDE DRIVE) FAP 0348 (HARLEM AVENUE) TO FAU 1453 (CERMAK ROAD) #13217 RESURFACING, CURB, GUTTER	USER NAME =	DESIGNED - AMS	REVISED - TRB 5/09/18
		DRAWN - JFP	REVISED - TRB 7/18/18
	PLOT SCALE =	CHECKED - TRB	REVISED -
	PLOT DATE =	DATE - 4/13/18	REVISED -

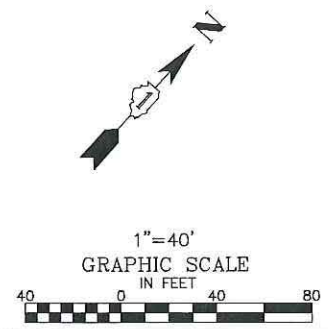
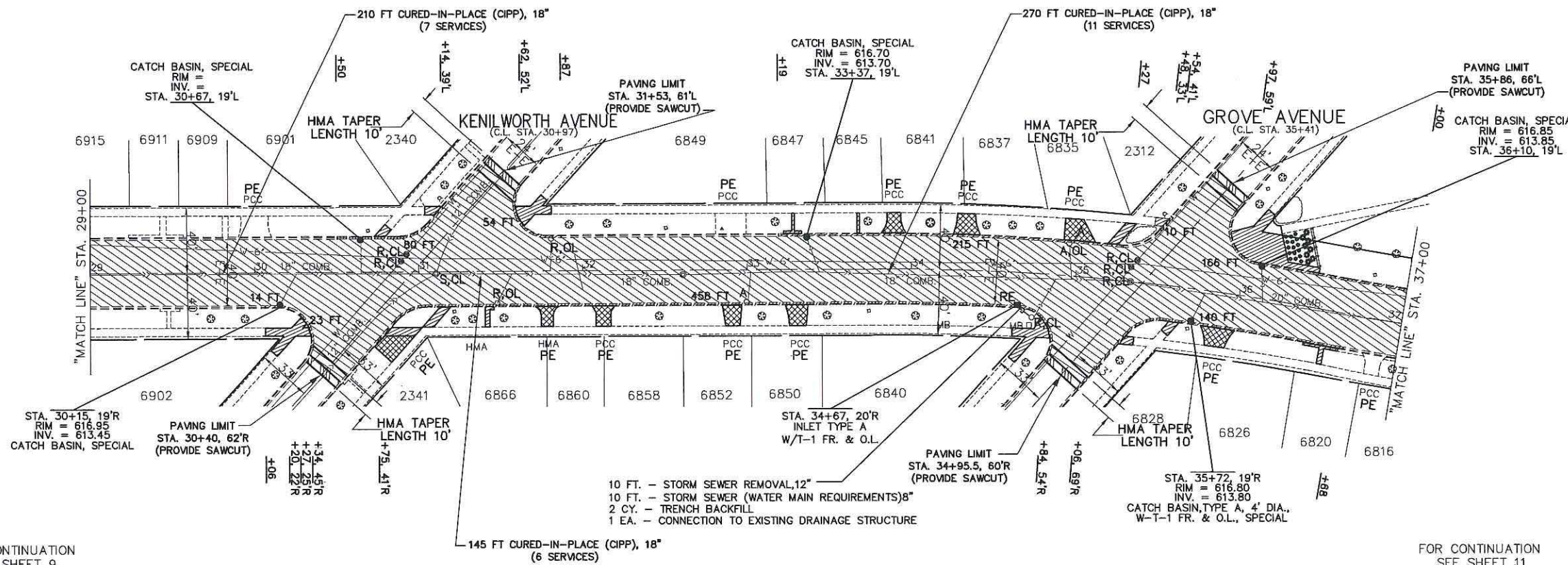
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>PLAN: FAU 3569 (RIVERSIDE DRIVE) -</b>			
STA. 22+00 TO STA. 29+00			
<b>(EXISTING &amp; PROPOSED ROADWAY PLAN)</b>			
SCALE: 1"=40'	SHEET NO. OF SHEETS	STA. 22+00 TO STA. 29+00	

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F.A.U. RTE. 3569	SECTION 16-00174-00-RS	COUNTY COOK	TOTAL SHEETS 33	SHEET NO. 9
CONTRACT NO. 61F01			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



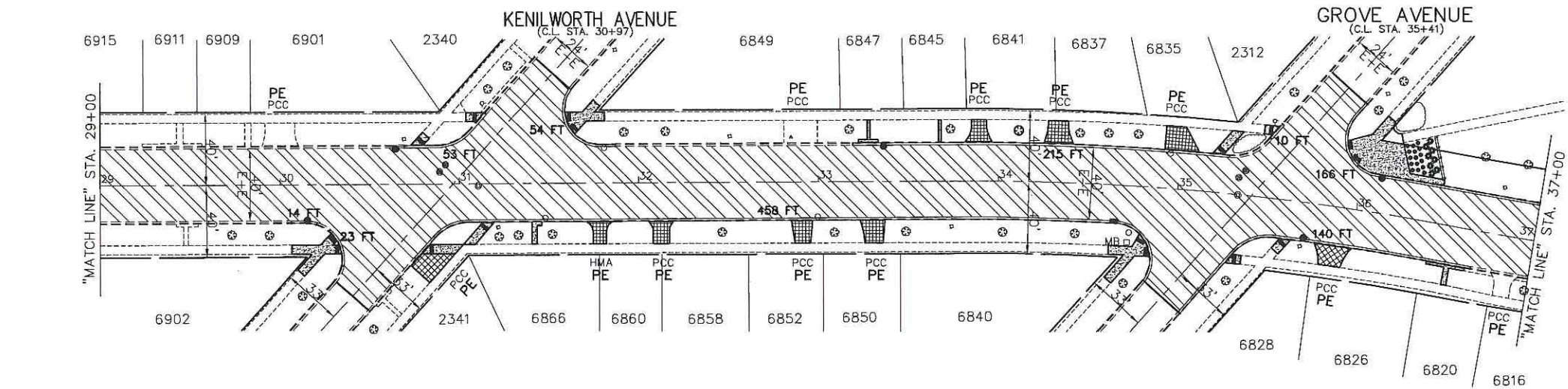


- REMOVAL LEGEND**
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT
  - DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3 INCH
  - DENOTES DRIVEWAY PAVEMENT REMOVAL
  - DENOTES SIDEWALK REMOVAL
  - DENOTES COMBINATION CURB AND GUTTER REMOVAL (SPECIAL)
  - "A"** DENOTES EXISTING VALVE VAULTS, VALVE BOXES, HANDHOLES, INLETS, CATCH BASINS AND MANHOLES TO BE ADJUSTED
  - "BO"** DENOTES EXISTING TO BE ADJUSTED (BY OTHERS)
  - "S"** DENOTES EXISTING FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
  - "OL"** DENOTES NEW FRAMES AND LIDS, TYPE I, OPEN LID
  - "CL"** DENOTES NEW FRAMES AND LIDS, TYPE I, CLOSED LID
  - "R"** DENOTES EXISTING MANHOLES, CATCH BASINS, AND VALVE VAULTS TO BE RECONSTRUCTED.
  - "RE"** DENOTES REMOVING INLETS AND FILLING CATCH BASINS

FOR CONTINUATION  
SEE SHEET 9

FOR CONTINUATION  
SEE SHEET 11

EXISTING



- PROPOSED PAVEMENT LEGEND**
- DENOTES POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1 INCH AND HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2 INCH
  - DENOTES PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH OR PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
  - DENOTES COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH WITH DETECTABLE WARNINGS PER I.D.O.T. STANDARDS FOR HANDICAP RAMPS (WHERE APPLICABLE) SEE CONSTRUCTION HIGHWAY STANDARDS
  - PE** DENOTES PRIVATE ENTRANCE
  - CE** DENOTES COMMERCIAL ENTRANCE
  - DENOTES CATCH BASINS, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID, SPECIAL OR CATCH BASIN, TYPE C, TYPE 1 FRAME, OPEN LID, SPECIAL OR CATCH BASINS, SPECIAL
  - DENOTES INLETS, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID

ALL SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

FOR TYPICAL SECTIONS OF NEW PAVEMENT WORK SEE SHEET 7

**IMPORTANT!**  
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FILE NAME CITY OF BERWYN FAU 3569 (RIVERSIDE DRIVE) FAP 0348 (HARLEM AVENUE) TO FAU 1453 (CERMAK ROAD) #13217 RESURFACING, CURB, GUTTER	USER NAME =	DESIGNED - AMS	REVISED - TRB 5/09/18
		DRAWN - JFP	REVISED - TRB 7/18/18
	PLOT SCALE =	CHECKED - TRB	REVISED -
	PLOT DATE =	DATE - 4/13/18	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

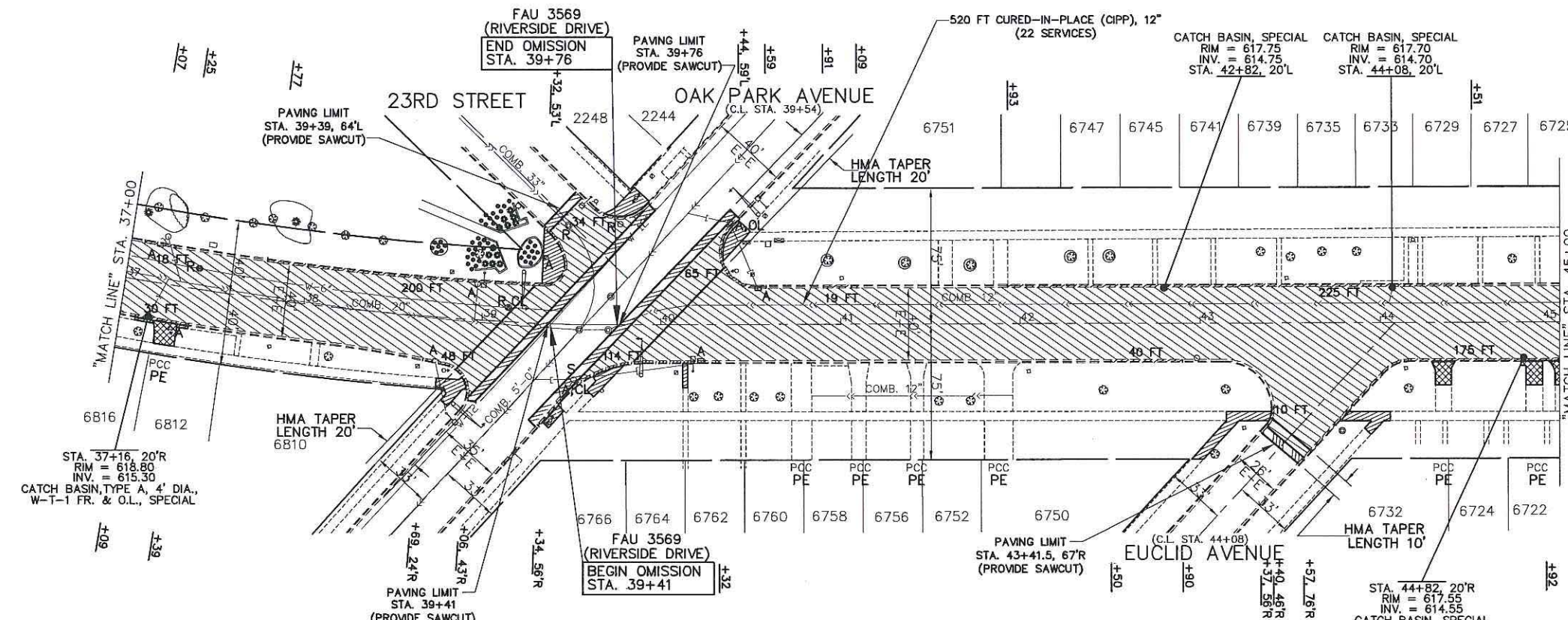
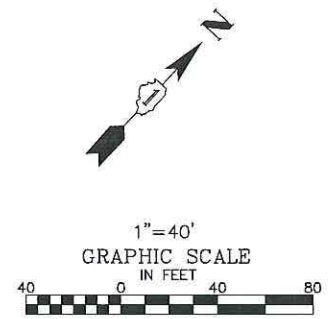
<b>PLAN: FAU 3569 (RIVERSIDE DRIVE) -</b>			
STA. 29+00 TO STA. 37+00			
<b>(EXISTING &amp; PROPOSED ROADWAY PLAN)</b>			
SCALE: 1"=40'	SHEET NO.	OF SHEETS	STA. 29+00 TO STA. 37+00

**NOVOTNY ENGINEERING**  
545 Plainfield Road, Suite A  
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Illinois Professional Design Firm No. 184-00978

F.A.U. RTE. 3569	SECTION 16-00174-00-RS	COUNTY COOK	TOTAL SHEETS 33	SHEET NO. 10
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 61F01



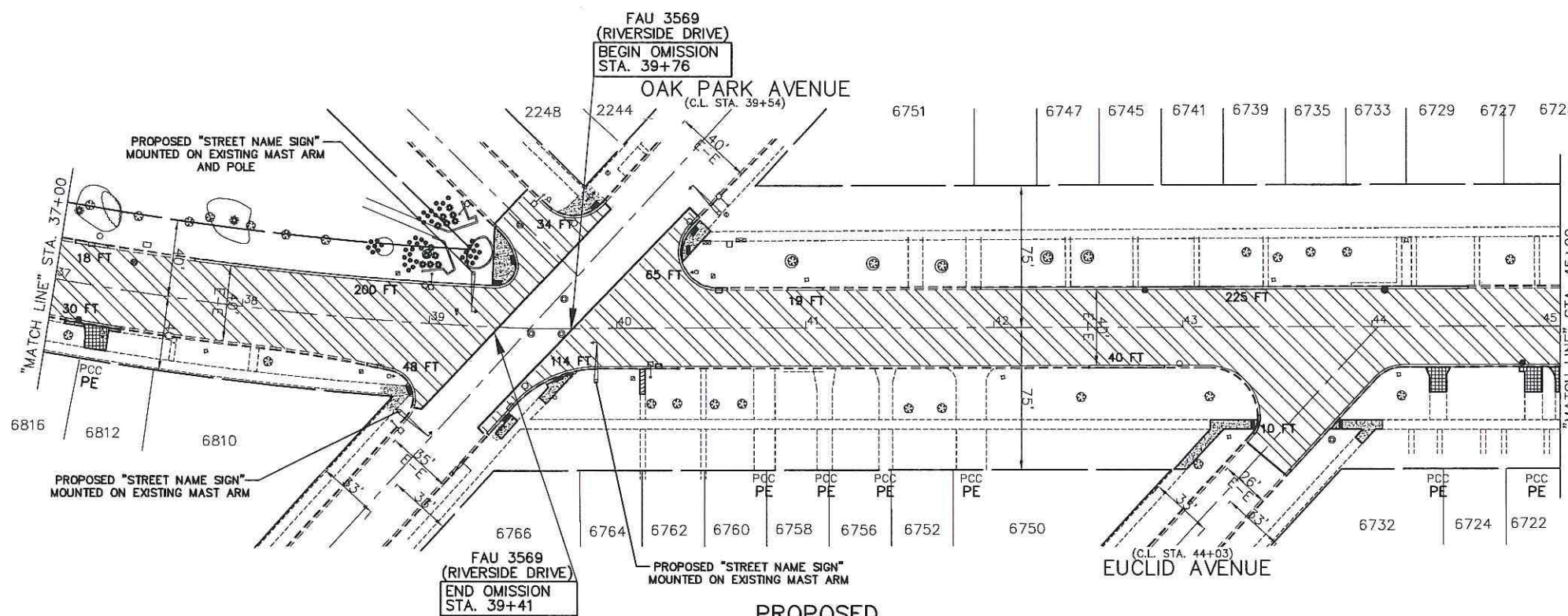


- REMOVAL LEGEND**
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT
  - DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3 INCH
  - DENOTES DRIVEWAY PAVEMENT REMOVAL
  - DENOTES SIDEWALK REMOVAL
  - 8 FT** DENOTES COMBINATION CURB AND GUTTER REMOVAL (SPECIAL)
  - "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, HANDHOLES, INLETS, CATCH BASINS AND MANHOLES TO BE ADJUSTED
  - "BO" DENOTES EXISTING TO BE ADJUSTED (BY OTHERS)
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  - "OL" DENOTES NEW FRAMES AND LIDS, TYPE I, OPEN LID
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  - "R" DENOTES EXISTING MANHOLES, CATCH BASINS, AND VALVE VAULTS TO BE RECONSTRUCTED
  - "RE" DENOTES REMOVING INLETS AND FILLING CATCH BASINS

FOR CONTINUATION  
SEE SHEET 10

FOR CONTINUATION  
SEE SHEET 12

EXISTING



- PROPOSED PAVEMENT LEGEND**
- DENOTES POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1 INCH AND HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2 INCH
  - DENOTES PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH OR PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
  - 8 FT** DENOTES COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH WITH DETECTABLE WARNINGS PER I.D.O.T. STANDARDS FOR HANDICAP RAMPS (WHERE APPLICABLE) SEE CONSTRUCTION HIGHWAY STANDARDS
  - PE DENOTES PRIVATE ENTRANCE
  - CE DENOTES COMMERCIAL ENTRANCE
  - DENOTES CATCH BASINS, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID, SPECIAL OR CATCH BASIN, TYPE C, TYPE 1 FRAME, OPEN LID, SPECIAL OR CATCH BASIN, SPECIAL
  - DENOTES INLETS, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID

ALL SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

FOR TYPICAL SECTIONS OF NEW PAVEMENT WORK SEE SHEET 2

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FILE NAME CITY OF BERWYN FAU 3569 (RIVERSIDE DRIVE) FAP 0348 (HARLEM AVENUE) TO FAU 1453 (CERMAK ROAD) #13217 RESURFACING, CURB, GUTTER	USER NAME =	DESIGNED - AMS	REVISED - TRB 5/09/18
		DRAWN - JFP	REVISED - TRB 7/18/18
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		DATE - 4/13/18	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

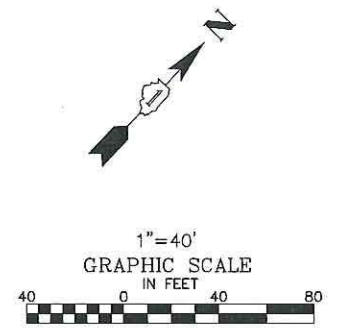
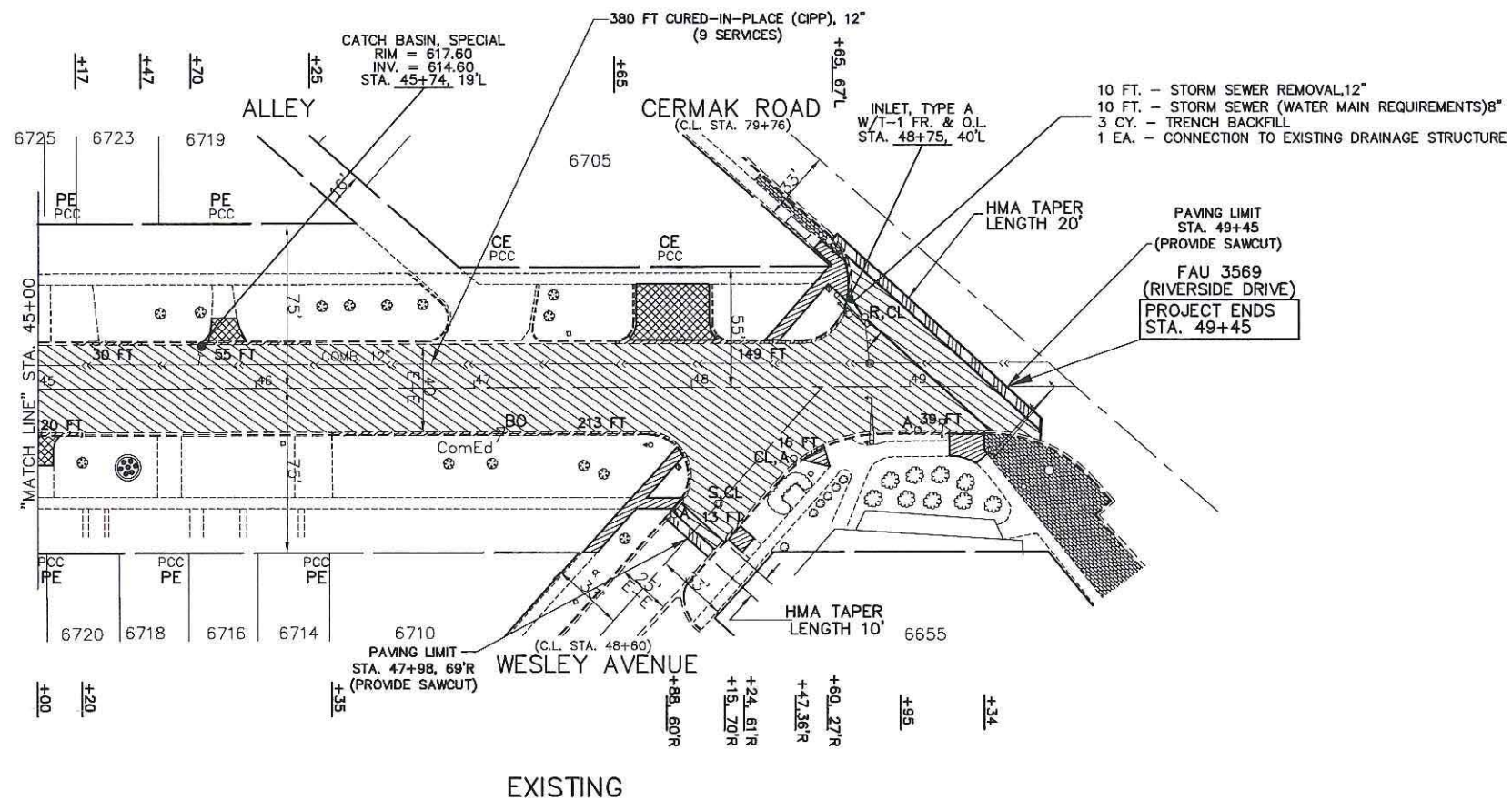
<b>PLAN: FAU 3569 (RIVERSIDE DRIVE) -</b>			
STA. 37+00 TO STA. 45+00			
<b>(EXISTING &amp; PROPOSED ROADWAY PLAN)</b>			
SCALE: 1"=40'	SHEET NO.	OF SHEETS	STA. 37+00 TO STA. 45+00

**NOVOTNY ENGINEERING**  
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Illinois Professional Design Firm No. 184-009228

F.A.U. RTE. 3569	SECTION 16-00174-00-RS	COUNTY COOK	TOTAL SHEETS 33	SHEET NO. 11
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

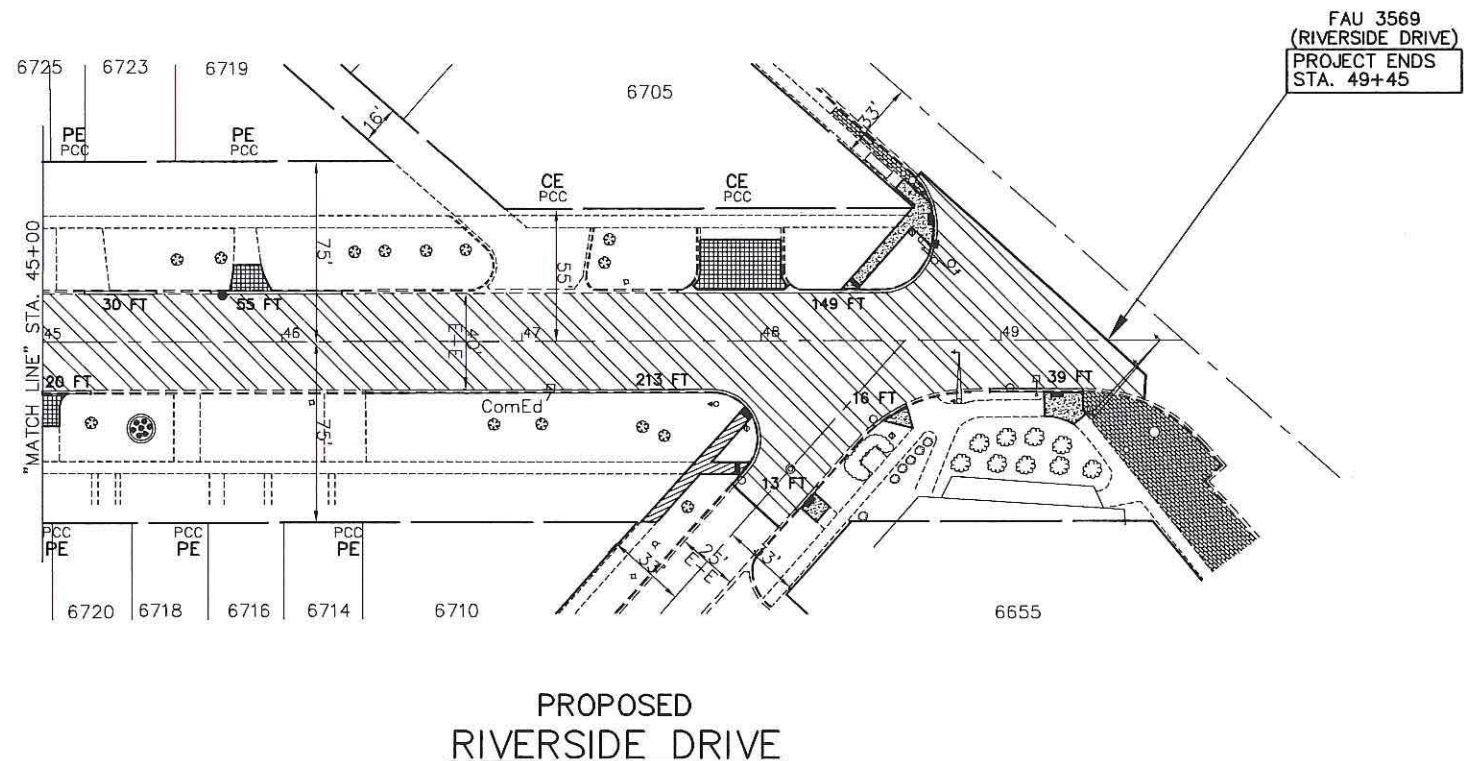
CONTRACT NO. 61F01





- REMOVAL LEGEND**
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT
  - DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3 INCH
  - DENOTES DRIVEWAY PAVEMENT REMOVAL
  - DENOTES SIDEWALK REMOVAL
  - DENOTES COMBINATION CURB AND GUTTER REMOVAL (SPECIAL)
  - "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, HANDHOLES, INLETS, CATCH BASINS AND MANHOLES TO BE ADJUSTED
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  - "RE" DENOTES REMOVING INLETS AND FILLING CATCH BASINS

FOR CONTINUATION  
SEE SHEET 11



- PROPOSED PAVEMENT LEGEND**
- DENOTES POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1 INCH AND HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2 INCH
  - DENOTES PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH OR PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
  - DENOTES COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH WITH DETECTABLE WARNINGS PER I.D.O.T. STANDARDS FOR HANDICAP RAMPS (WHERE APPLICABLE) SEE CONSTRUCTION HIGHWAY STANDARDS
  - PE DENOTES PRIVATE ENTRANCE
  - CE DENOTES COMMERCIAL ENTRANCE
  - DENOTES CATCH BASINS, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID, SPECIAL OR CATCH BASIN, TYPE C, TYPE 1 FRAME, OPEN LID, SPECIAL OR CATCH BASINS, SPECIAL
  - DENOTES INLETS, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID

ALL SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

FOR TYPICAL SECTIONS OF NEW PAVEMENT WORK SEE SHEET 2

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FILE NAME CITY OF BERWYN FAU 3569 (RIVERSIDE DRIVE) FAP 0348 (HARLEM AVENUE) TO FAU 1453 (CERMAK ROAD) #13217 RESURFACING, CURB, GUTTER	USER NAME =	DESIGNED - AMS	REVISED - TRB 5/09/18
		DRAWN - JFP	REVISED - TRB 7/18/18
		CHECKED - TRB	REVISED -
		DATE - 4/13/18	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>PLAN: FAU 3569 (RIVERSIDE DRIVE) -</b>			
STA. 45+00 TO STA. 49+45			
<b>(EXISTING &amp; PROPOSED ROADWAY PLAN)</b>			
SCALE: 1"=40'	SHEET NO.	OF SHEETS	STA. 45+00 TO STA. 49+45

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F.A.U. RTE. 3569	SECTION 16-00174-00-RS	COUNTY COOK	TOTAL SHEETS 33	SHEET NO. 12
CONTRACT NO. 61F01				FED. ROAD DIST. NO.   ILLINOIS   FED. AID PROJECT

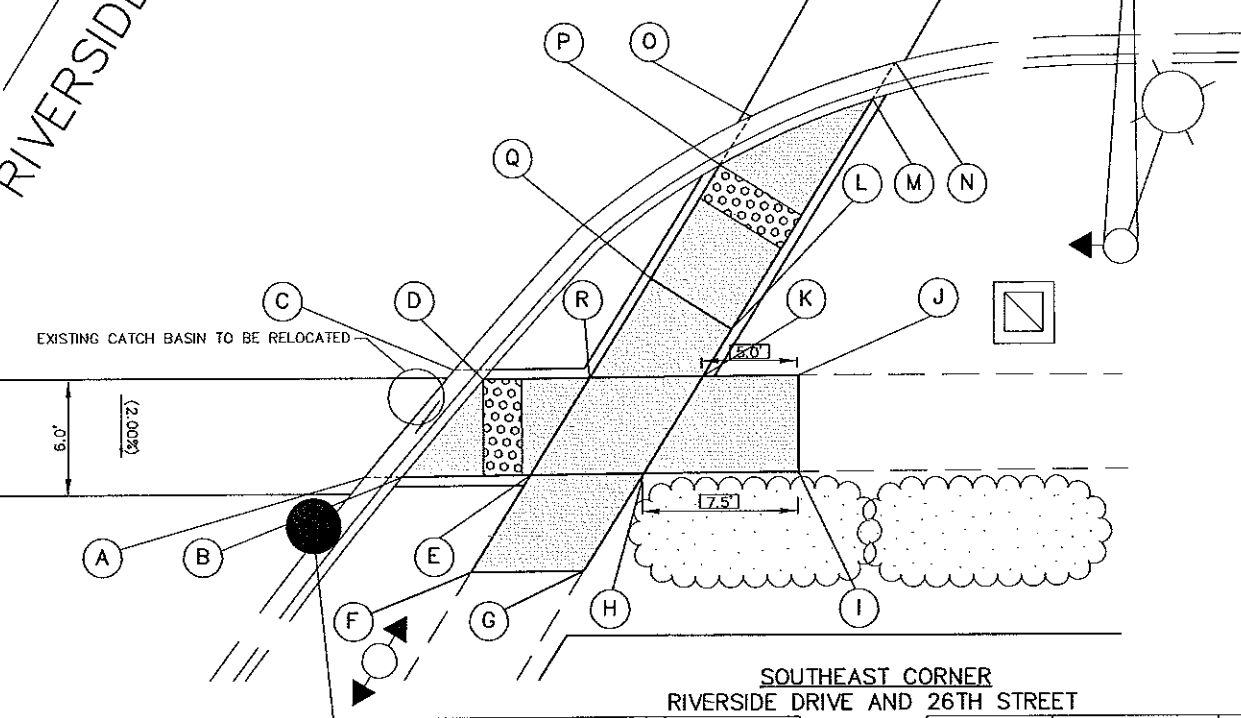
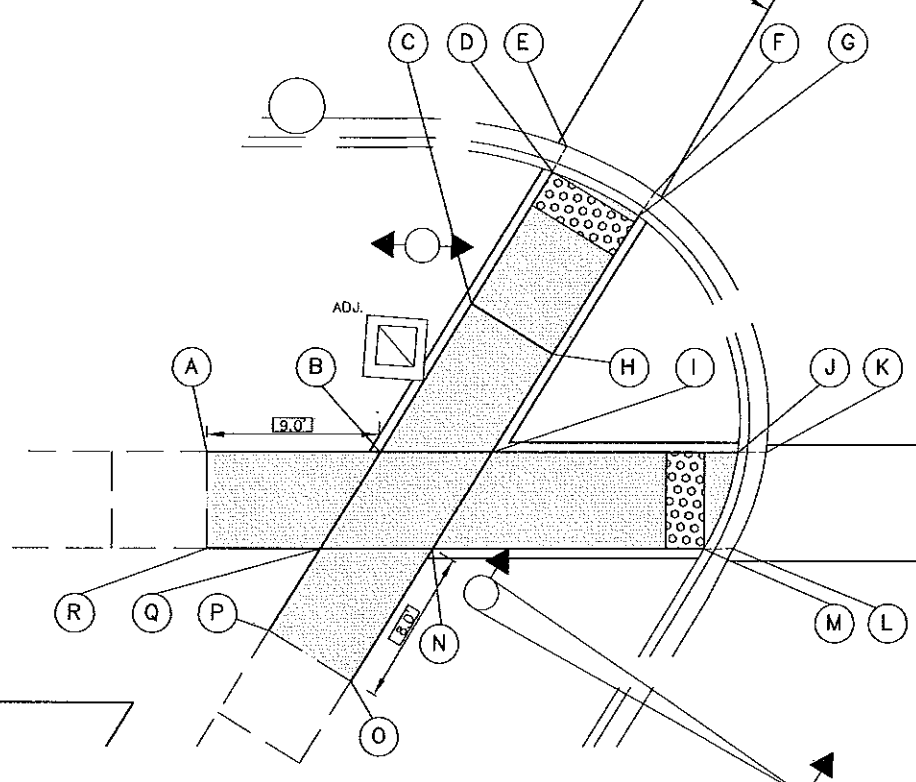
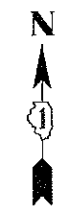


26TH STREET

26TH STREET

RIVERSIDE DRIVE

RIVERSIDE DRIVE



**SOUTHWEST CORNER  
RIVERSIDE DRIVE AND 26TH STREET**

POINT	EX. ELEV.	PR. ELEV.
A	(98.16)	(98.16)
B	(98.01)	(98.01)
C	(97.80)	97.73
D	(97.32)	97.35
E	(97.10)	(97.10)
F	(97.10)	(97.10)
G	(97.35)	(97.35)
H	(97.73)	(97.73)
I	(97.87)	97.89
J	(97.39)	(97.39)
K	(97.31)	(97.31)
L	(97.35)	(97.35)
M	(97.42)	(97.42)
N	(97.97)	97.98
O	(98.01)	(98.01)
P	(98.16)	(98.16)
Q	(98.10)	(98.10)
R	(98.23)	(98.23)

SEGEMENT	LENGTH	SLOPE (%)
A-B	9.0	(1.67)
B-C	9.0	3.11
C-D	8.0	4.75
D-G	5.02*	(0.00)
E-F	5.10*	0.00
G-H	8.0	(4.75)
H-I	6.5	2.46
I-J	13.0	3.85
J-M	5.32*	(0.56)
K-L	5.32*	(0.75)
N-M	14.0	4.00
N-O	8.0	0.37
O-P	5.0	(3.00)
P-Q	5.0	(3.00)
Q-R	6.0	(2.17)
A-R	6.0	(1.40)
B-I	6.0	2.00
C-H	5.0	(1.40)
Q-N	6.0	2.00

\* = ARC LENGTH

**SOUTHEAST CORNER  
RIVERSIDE DRIVE AND 26TH STREET**

POINT	EX. ELEV.	PR. ELEV.
A	(97.10)	(97.10)
B	(97.32)	97.58
C	(97.13)	(97.13)
D	(97.58)	(97.58)
E	(98.12)	97.93
F	(98.25)	(98.25)
G	(98.38)	(98.38)
H	(98.23)	98.05
I	(98.26)	(98.26)
J	(98.19)	(98.19)
K	(98.07)	97.93
L	(97.87)	97.85
M	(97.37)	(97.37)
N	(97.27)	(97.27)
O	(97.36)	(97.36)
P	(97.46)	(97.46)
Q	(97.75)	(97.75)
R	(97.84)	97.81

SEGMENT	LENGTH (FT)	SLOPE (%)
A-C	7.23*	(0.41)
B-D	7.23*	0.00
D-R	5.0	4.60
R-Q	5.0	1.20
Q-P	7.5	3.87
P-M	8.69*	(1.03)
O-N	8.10*	(1.23)
M-L	14.0	3.42
L-K	3.0	2.67
K-J	5.0	5.20
J-I	5.0	(1.40)
I-H	7.5	2.80
H-G	7.0	4.71
G-F	5.0	2.60
F-E	5.0	6.40
B-E	7.0	5.00
E-R	6.0	2.00
R-K	6.0	2.00
E-H	6.0	2.00
H-K	6.0	2.00
Q-L	5.0	2.00

\* = ARC LENGTH

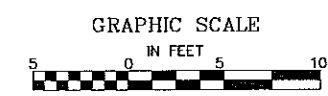
**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

BENCHMARK : SSE BOLT ON FIRE HYDRANT AT NW CORNER OF 26TH STREET & RIVERSIDE DRIVE - ELEVATION =100.00

BENCHMARK : SSE BOLT ON FIRE HYDRANT AT NW CORNER OF 26TH STREET & RIVERSIDE DRIVE - ELEVATION =100.00

**LEGEND**

EXISTING LENGTH	PROPOSED SIDEWALK
PROPOSED SIDE CURB	PROPOSED DETECTABLE WARNINGS
( ) EXISTING ELEVATION/SLOPE	PROPOSED THERMOPLASTIC PAVEMENT MARKINGS



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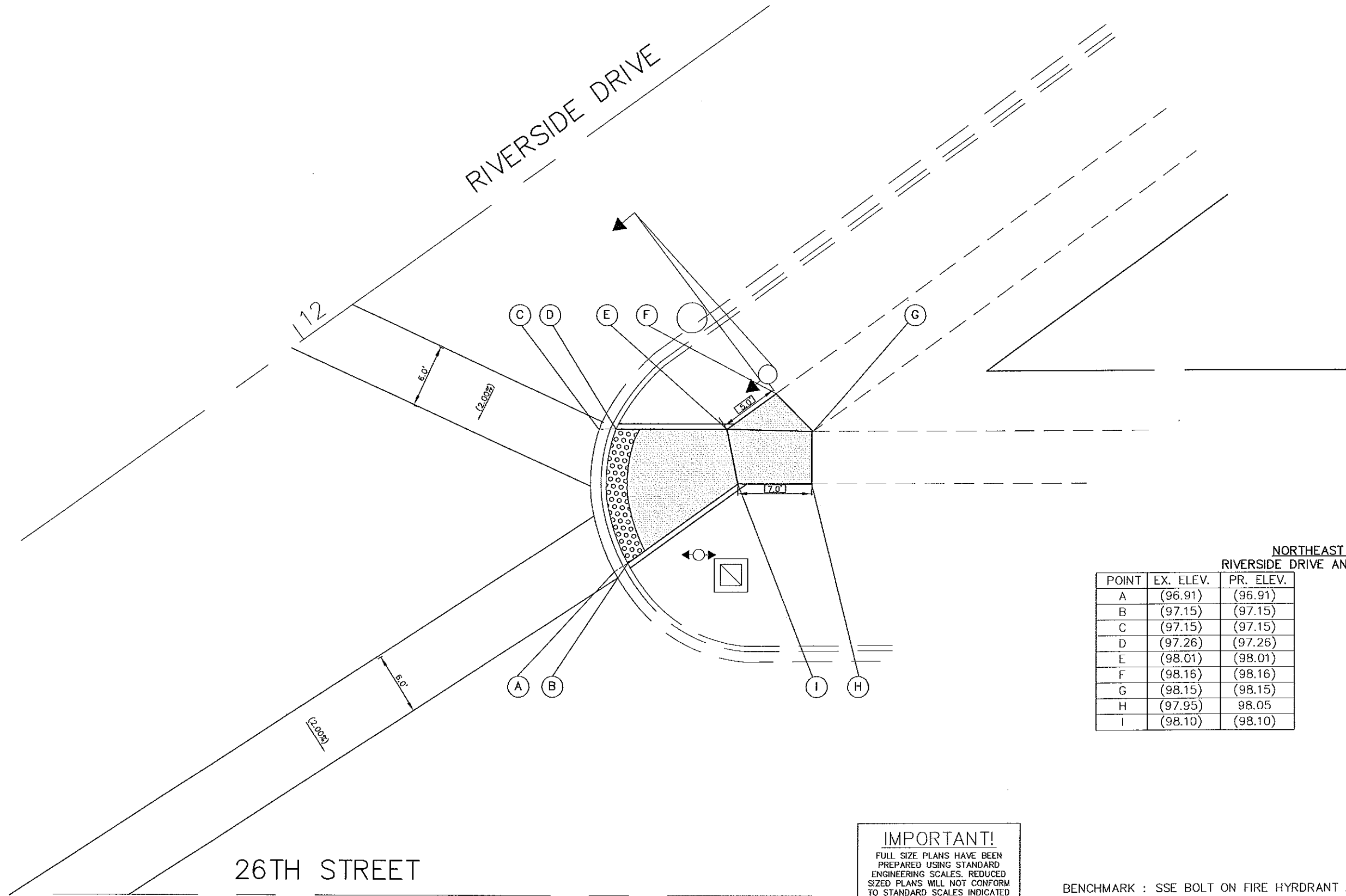
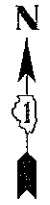
FILE NAME CITY OF BERWYN FAU 3569 (RIVERSIDE DRIVE) FAU 1488 (HARLEM AVE.) TO FAP 0311 (CERMAK RD.) #13217 RESURFACING	USER NAME =	DESIGNED - TRB	REVISED - 7/18/18
	PLOT SCALE =	DRAWN - JEP	REVISED - 7/30/18
	PLOT DATE =	CHECKED - JEF	REVISED -
		DATE - 1/19/18	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**RIVERSIDE DRIVE AND 26TH STREET  
ADA RAMP DETAILS**

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

F.A.U. RTE. 3569	SECTION 16-00174-00-RS	COUNTY COOK	TOTAL SHEETS 33	SHEET NO. 13
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 61F01



NORTHEAST CORNER  
RIVERSIDE DRIVE AND 26TH STREET

POINT	EX. ELEV.	PR. ELEV.
A	(96.91)	(96.91)
B	(97.15)	(97.15)
C	(97.15)	(97.15)
D	(97.26)	(97.26)
E	(98.01)	(98.01)
F	(98.16)	(98.16)
G	(98.15)	(98.15)
H	(97.95)	98.05
I	(98.10)	(98.10)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-C	14.06*	(1.71)
B-D	13.20*	(0.83)
D-E	11.0	(6.81)
E-F	5.0	(3.00)
F-G	5.0	(0.20)
G-H	5.0	(2.00)
H-I	7.0	0.71
I-B	13.0	(7.30)
E-I	5.5	(1.64)
E-G	8.0	(1.75)

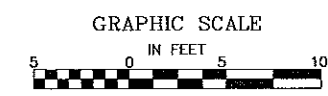
\* = ARC LENGTH

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

BENCHMARK : SSE BOLT ON FIRE HYDRANT AT NW CORNER OF 26TH STREET & RIVERSIDE DRIVE - ELEVATION =100.00

26TH STREET

LEGEND	
EXISTING LENGTH	PROPOSED SIDEWALK
PROPOSED SIDE CURB	PROPOSED DETECTABLE WARNINGS
( ) EXISTING ELEVATION/SLOPE	PROPOSED THERMOPLASTIC PAVEMENT MARKINGS



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545 Plainfield Road, Suite A  
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Illinois Professional Design Firm No. 184-609728

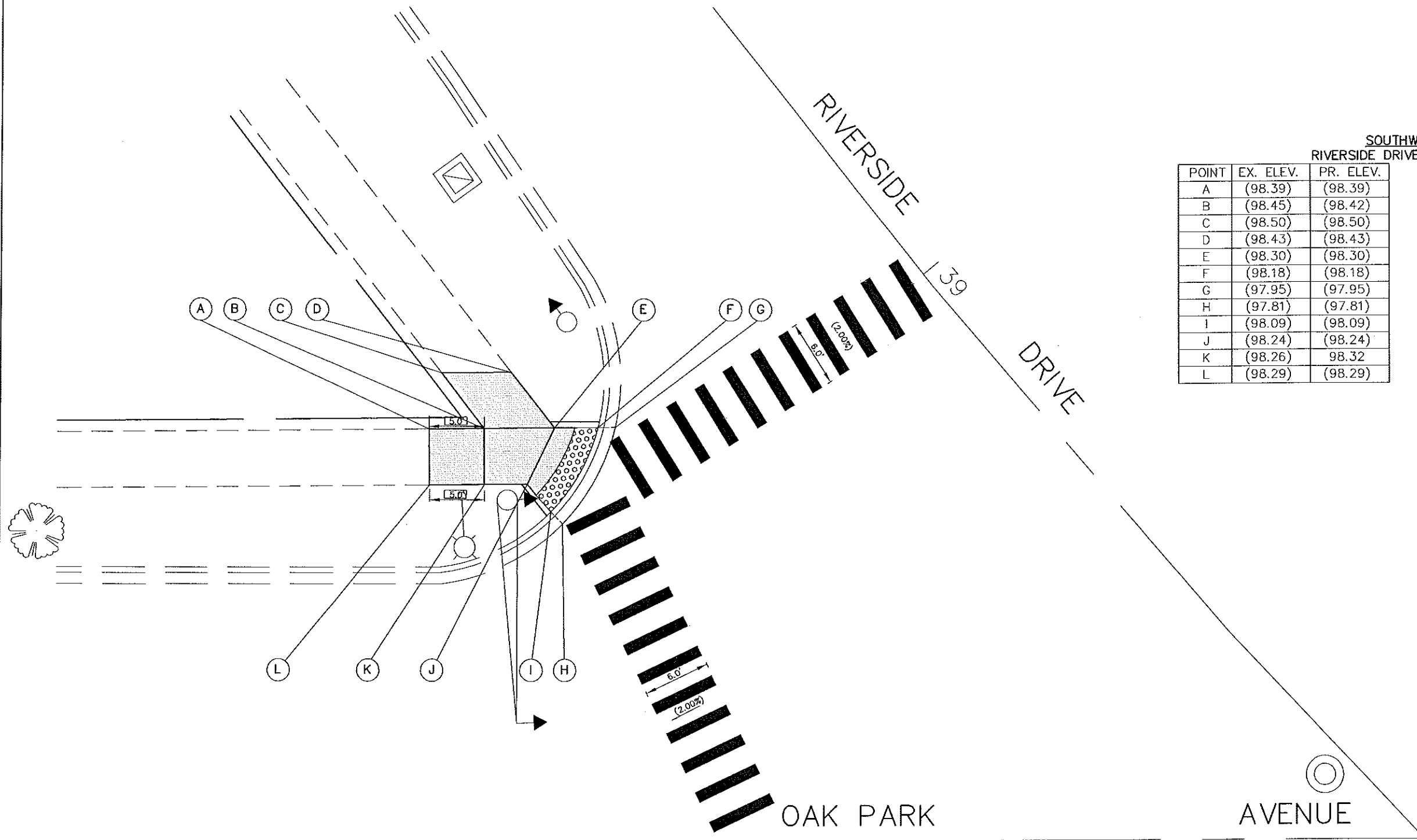
FILE NAME CITY OF BERWYN FAU 3569 (RIVERSIDE DRIVE) FAU 1488 (HARLEM AVE.) TO FAP 0311 (CERMAX RD.) #13217 RESURFACING	USER NAME =	DESIGNED - TRB DRAWN - JEP CHECKED - JEF DATE - 1/19/18	REVISED - 7/18/18 REVISED - 7/30/18 REVISED - REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIVERSIDE DRIVE AND 26TH STREET ADA RAMP DETAILS		SCALE: 1"=5'	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.U. RTE. 3569	SECTION 16-00171-00-RS	COUNTY COOK	TOTAL SHEETS 33	SHEET NO. 14
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		





SOUTHWEST CORNER  
RIVERSIDE DRIVE AND OAK PARK AVENUE

POINT	EX. ELEV.	PR. ELEV.
A	(98.39)	(98.39)
B	(98.45)	(98.42)
C	(98.50)	(98.50)
D	(98.43)	(98.43)
E	(98.30)	(98.30)
F	(98.18)	(98.18)
G	(97.95)	(97.95)
H	(97.81)	(97.81)
I	(98.09)	(98.09)
J	(98.24)	(98.24)
K	(98.26)	98.32
L	(98.29)	(98.29)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.0	0.60
B-C	6.0	(1.33)
C-D	6.0	(1.17)
D-E	6.5	(1.08)
E-F	4.0	(3.00)
F-I	8.77*	(1.03)
G-H	9.94*	(1.41)
I-J	3.5	(4.30)
K-J	4.0	2.00
L-K	5.0	0.60
A-L	5.0	2.00
B-E	6.0	2.00
E-J	5.5	(1.09)

\* = ARC LENGTH

BENCHMARK : SSE BOLT ON FIRE HYDRANT AT NW CORNER OF  
OAK PARK AVENUE & RIVERSIDE DRIVE - ELEVATION =100.00

LEGEND			
	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		PROPOSED DETECTABLE WARNINGS
	( ) EXISTING ELEVATION/SLOPE		PROPOSED THERMOPLASTIC PAVEMENT MARKINGS

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.



**NOVOTNY ENGINEERING**  
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Illinois Professional Design Firm No. 104-000928

FILE NAME CITY OF BERWYN FAU 3569 (RIVERSIDE DRIVE) FAU 1488 (HARLEM AVE.) TO FAP 0311 (CERMAK RD.) #13217 RESURFACING	USER NAME =	DESIGNED -- TRB DRAWN -- JEP CHECKED -- JEF DATE -- 1/19/18	REVISED -- 7/18/18 REVISED -- 7/30/18 REVISED -- REVISED --
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIVERSIDE DRIVE AND OAK PARK AVENUE  
ADA RAMP DETAILS  
SCALE: 1"=5' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 3569	SECTION 16-00174-00-RS	COUNTY COOK	TOTAL SHEETS 33	SHEET NO. 15
CONTRACT NO. 81F01				
FED. ROAD DIST. NO. ILLINDIS FED. AID PROJECT				



67

OAK PARK AVENUE

RIVERSIDE DRIVE

BRICK PLANTER

SOUTHEAST CORNER  
RIVERSIDE DRIVE AND OAK PARK AVENUE

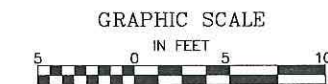
POINT	EX. ELEV.	PR. ELEV.
A	(98.13)	(98.13)
B	(97.95)	(97.95)
C	(98.15)	(98.15)
D	(97.90)	(97.90)
E	(98.17)	(98.17)
F	(98.38)	(98.38)
G	(98.42)	(98.42)
H	(98.62)	(98.62)
I	(98.84)	(98.84)
J	(98.60)	98.48
K	(98.56)	98.53
L	(98.63)	(98.63)
M	(98.27)	(98.27)
N	(98.43)	(98.43)
O	(98.47)	(98.47)
P	(98.32)	(98.32)
Q	(98.22)	98.37
R	(98.27)	98.29
S	(98.09)	(98.09)
T	(98.13)	(98.13)
U	(98.34)	(98.34)
V	(98.47)	(98.47)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-C	5.0	(0.40)
B-D	5.0	(0.10)
C-E	5.0	(0.40)
E-F	6.0	(3.50)
F-G	5.0	(0.80)
G-H	5.0	(4.00)
H-J	5.0	2.80
H-I	5.0	(4.40)
I-J	5.5	(6.54)
K-J	5.0	(1.00)
K-L	5.0	2.00
L-M	5.0	(7.20)
M-A	6.0	(2.33)
C-N	6.0	(4.67)
M-N	5.0	(3.20)
P-O	5.0	(3.00)
P-Q	5.0	1.00
Q-R	3.5	2.29
R-U	20.20*	(0.25)
S-T	23.50*	(0.17)
U-V	18.0	(0.72)
O-V	5.0	(0.00)
P-O	5.0	(3.00)
V-Q	5.0	(2.00)

\* = ARC LENGTH

**LEGEND**

- EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- ▬ PROPOSED SIDEWALK
- ▬ PROPOSED DETECTABLE WARNINGS
- ▬ PROPOSED THERMOPLASTIC PAVEMENT MARKINGS



BENCHMARK : SSE BOLT ON FIRE HYDRANT AT NW CORNER OF OAK PARK AVENUE & RIVERSIDE DRIVE - ELEVATION =100.00

FILE NAME CITY OF BERWYN  
FAU 3569 (RIVERSIDE DRIVE)  
FAU 1488 (HARLEM AVE.) TO FAP 0311 (CERMAK RD.)  
#13217 RESURFACING

USER NAME =  
DESIGNED - TRB  
DRAWN - JEP  
CHECKED - JEF  
DATE - 1/19/18

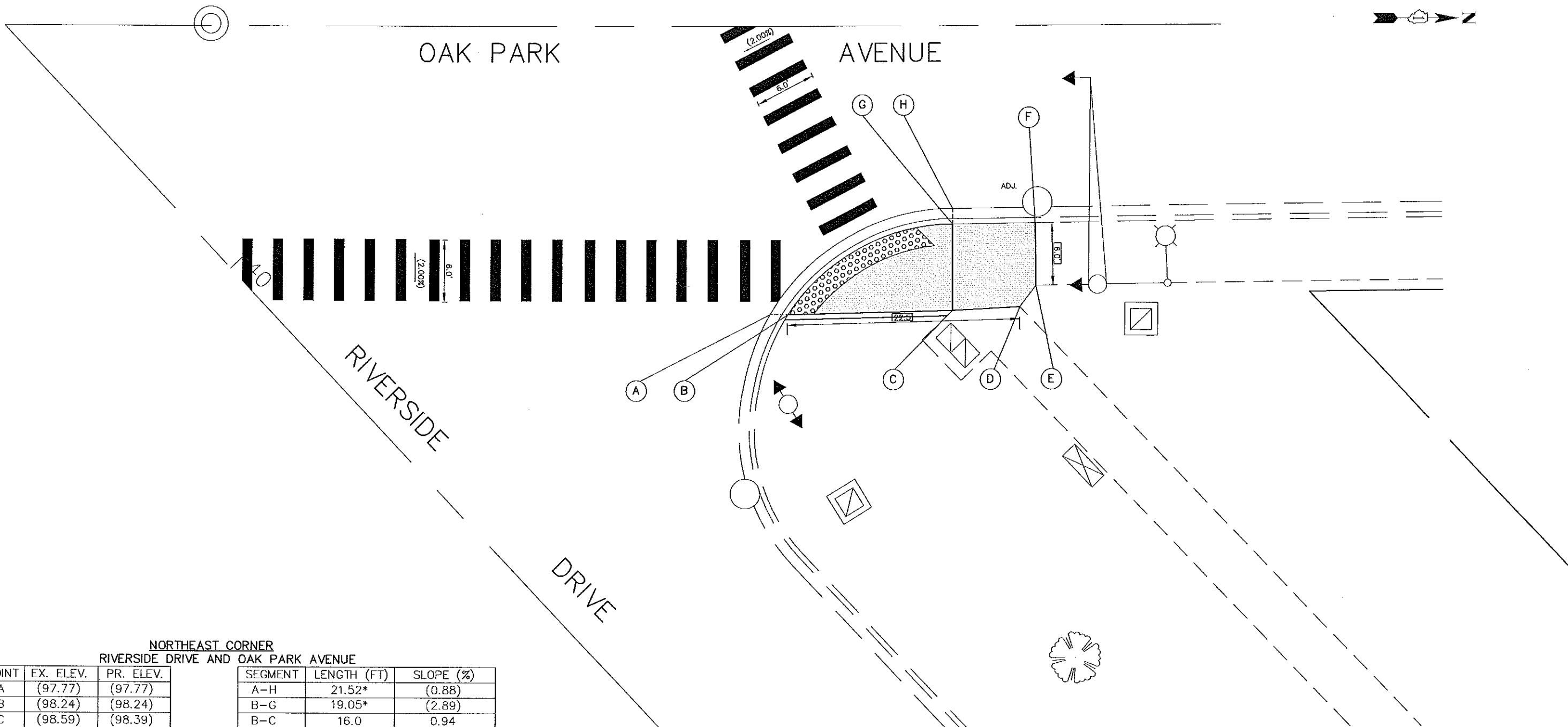
REVISOR -  
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REVISOR -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIVERSIDE DRIVE AND OAK PARK AVENUE  
ADA RAMP DETAILS  
SCALE: 1"=5' SHEET NO. OF SHEETS STA. TO STA.

**NOVOTNY ENGINEERING**  
545 Plainfield Road, Suite A  
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T: (630) 887.8640  
F: (630) 887.0132  
Illinois Professional Design Firm No. 186-00926

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	16
CONTRACT NO. 61F01				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NORTHEAST CORNER  
RIVERSIDE DRIVE AND OAK PARK AVENUE

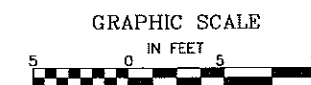
POINT	EX. ELEV.	PR. ELEV.
A	(97.77)	(97.77)
B	(98.24)	(98.24)
C	(98.59)	(98.39)
D	(98.13)	(98.13)
E	(98.13)	(98.13)
F	(97.87)	(97.87)
G	(97.69)	(97.69)
H	(97.58)	(97.58)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-H	21.52*	(0.88)
B-G	19.05*	(2.89)
B-C	16.0	0.94
C-D	6.5	4.00
D-E	2.5	(0.00)
E-F	6.0	(4.33)
F-G	8.0	(2.25)
G-C	8.5	8.24

\* = ARC LENGTH

BENCHMARK : SSE BOLT ON FIRE HYDRANT AT NW CORNER OF  
OAK PARK AVENUE & RIVERSIDE DRIVE - ELEVATION =100.00

LEGEND			
	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		PROPOSED DETECTABLE WARNINGS
	EXISTING ELEVATION/SLOPE		PROPOSED THERMOPLASTIC PAVEMENT MARKINGS



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 545 Plainfield Road, Suite A  
 Willowbrook, IL 60527  
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 F: (630) 887.0132  
Illinois Professional Design Firm No. 184-000928

FILE NAME CITY OF BERWYN FAU 3569 (RIVERSIDE DRIVE) FAU 1488 (HARLEM AVE.) TO FAP 0311 (CERMAK RD.) #13217 RESURFACING	USER NAME =	DESIGNED - TRB DRAWN - JEP CHECKED - JEF DATE - 1/19/18	REVISED - 7/18/18 REVISED - 7/30/18 REVISED - REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIVERSIDE DRIVE AND OAK PARK AVENUE  
ADA RAMP DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	17

CONTRACT NO. 61F01  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



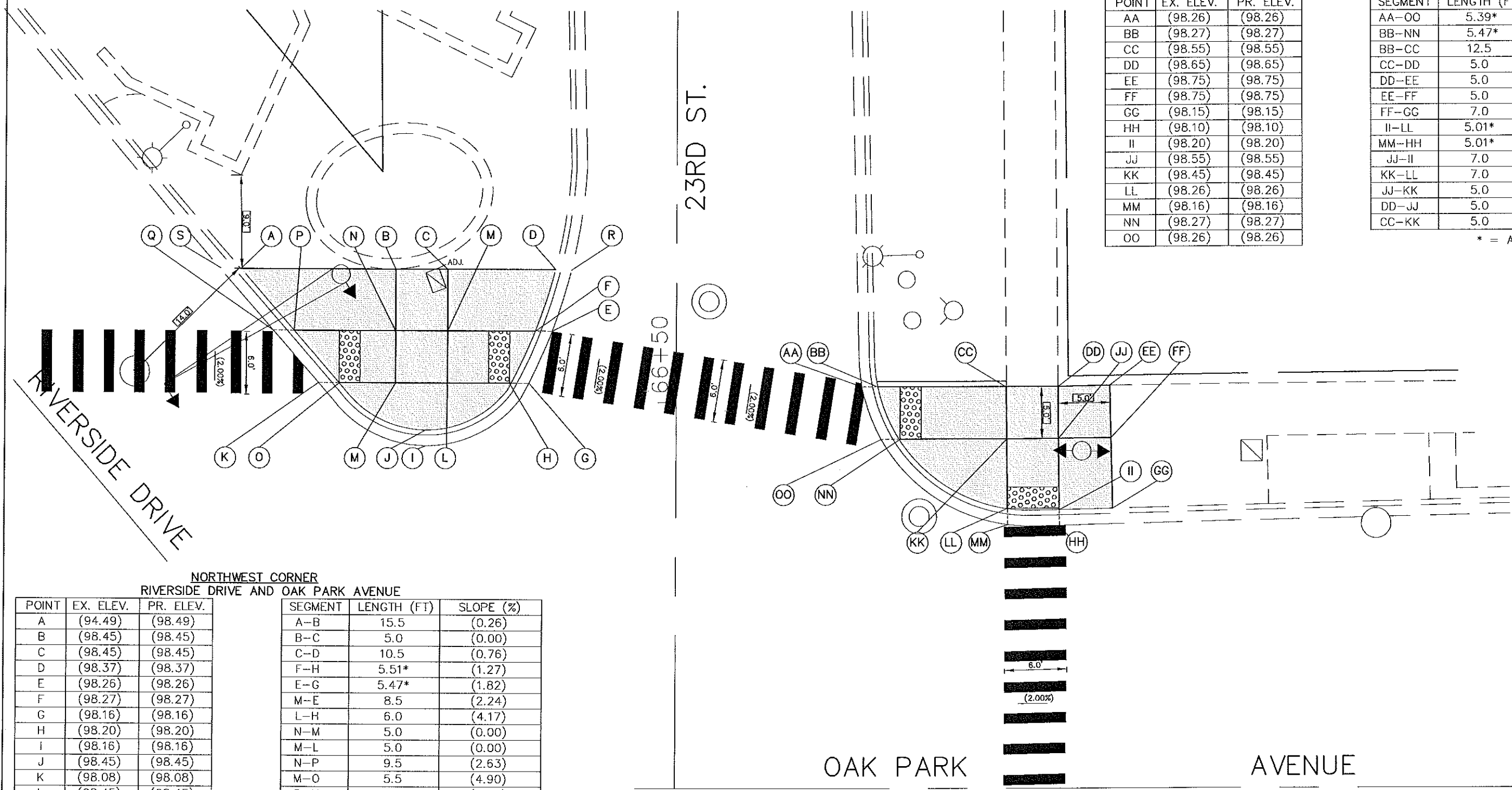


NORTHWEST CORNER  
RIVERSIDE DRIVE AND OAK PARK AVENUE

POINT	EX. ELEV.	PR. ELEV.
AA	(98.26)	(98.26)
BB	(98.27)	(98.27)
CC	(98.55)	(98.55)
DD	(98.65)	(98.65)
EE	(98.75)	(98.75)
FF	(98.75)	(98.75)
GG	(98.15)	(98.15)
HH	(98.10)	(98.10)
II	(98.20)	(98.20)
JJ	(98.55)	(98.55)
KK	(98.45)	(98.45)
LL	(98.26)	(98.26)
MM	(98.16)	(98.16)
NN	(98.27)	(98.27)
OO	(98.26)	(98.26)

SEGMENT	LENGTH (FT)	SLOPE (%)
AA-OO	5.39*	(0.00)
BB-NN	5.47*	(0.00)
BB-CC	12.5	(2.24)
CC-DD	5.0	(2.00)
DD-EE	5.0	(2.00)
EE-FF	5.0	(0.00)
FF-GG	7.0	(8.57)
II-LL	5.01*	(1.20)
MM-HH	5.01*	(1.20)
JJ-II	7.0	(5.00)
KK-LL	7.0	(2.71)
JJ-KK	5.0	(2.00)
DD-JJ	5.0	(2.00)
CC-KK	5.0	(2.00)

\* = ARC LENGTH



NORTHWEST CORNER  
RIVERSIDE DRIVE AND OAK PARK AVENUE

POINT	EX. ELEV.	PR. ELEV.
A	(94.49)	(98.49)
B	(98.45)	(98.45)
C	(98.45)	(98.45)
D	(98.37)	(98.37)
E	(98.26)	(98.26)
F	(98.27)	(98.27)
G	(98.16)	(98.16)
H	(98.20)	(98.20)
I	(98.16)	(98.16)
J	(98.45)	(98.45)
K	(98.08)	(98.08)
L	(98.45)	(98.45)
M	(98.45)	(98.45)
N	(98.45)	(98.45)
O	(98.18)	(98.18)
P	(98.20)	(98.20)
Q	(98.10)	(98.10)
R	(98.12)	(98.12)
S	(98.07)	(98.07)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	15.5	(0.26)
B-C	5.0	(0.00)
C-D	10.5	(0.76)
F-H	5.51*	(1.27)
E-G	5.47*	(1.82)
M-E	8.5	(2.24)
L-H	6.0	(4.17)
N-M	5.0	(0.00)
M-L	5.0	(0.00)
N-P	9.5	(2.63)
M-O	5.5	(4.90)
B-N	6.0	(0.00)
C-M	6.0	(0.00)
N-M	5.0	(0.00)
M-L	5.0	(0.00)
P-O	6.72*	(0.30)
Q-K	6.67*	(0.30)

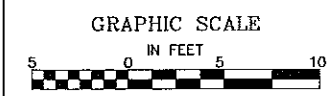
\* = ARC LENGTH

OAK PARK

AVENUE

BENCHMARK : SSE BOLT ON FIRE HYDRANT AT NW CORNER OF  
23RD STREET & OAK PARK AVENUE - ELEVATION =100.00

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.



**LEGEND**

EXISTING LENGTH	PROPOSED SIDEWALK
PROPOSED SIDE CURB	PROPOSED DETECTABLE WARNINGS
( ) EXISTING ELEVATION/SLOPE	PROPOSED THERMOPLASTIC PAVEMENT MARKINGS

FILE NAME CITY OF BERWYN FAU 3569 (RIVERSIDE DRIVE) FAU 1488 (HARLEM AVE.) TO FAP 0311 (CERMAK RD.) #13217 RESURFACING	USER NAME =	DESIGNED -- TRB	REVISED -- 7/18/18
		DRAWN -- JEP	REVISED -- 7/30/18
	PLOT SCALE =	CHECKED -- JEF	REVISED --
	PLOT DATE =	DATE -- 1/19/18	REVISED --

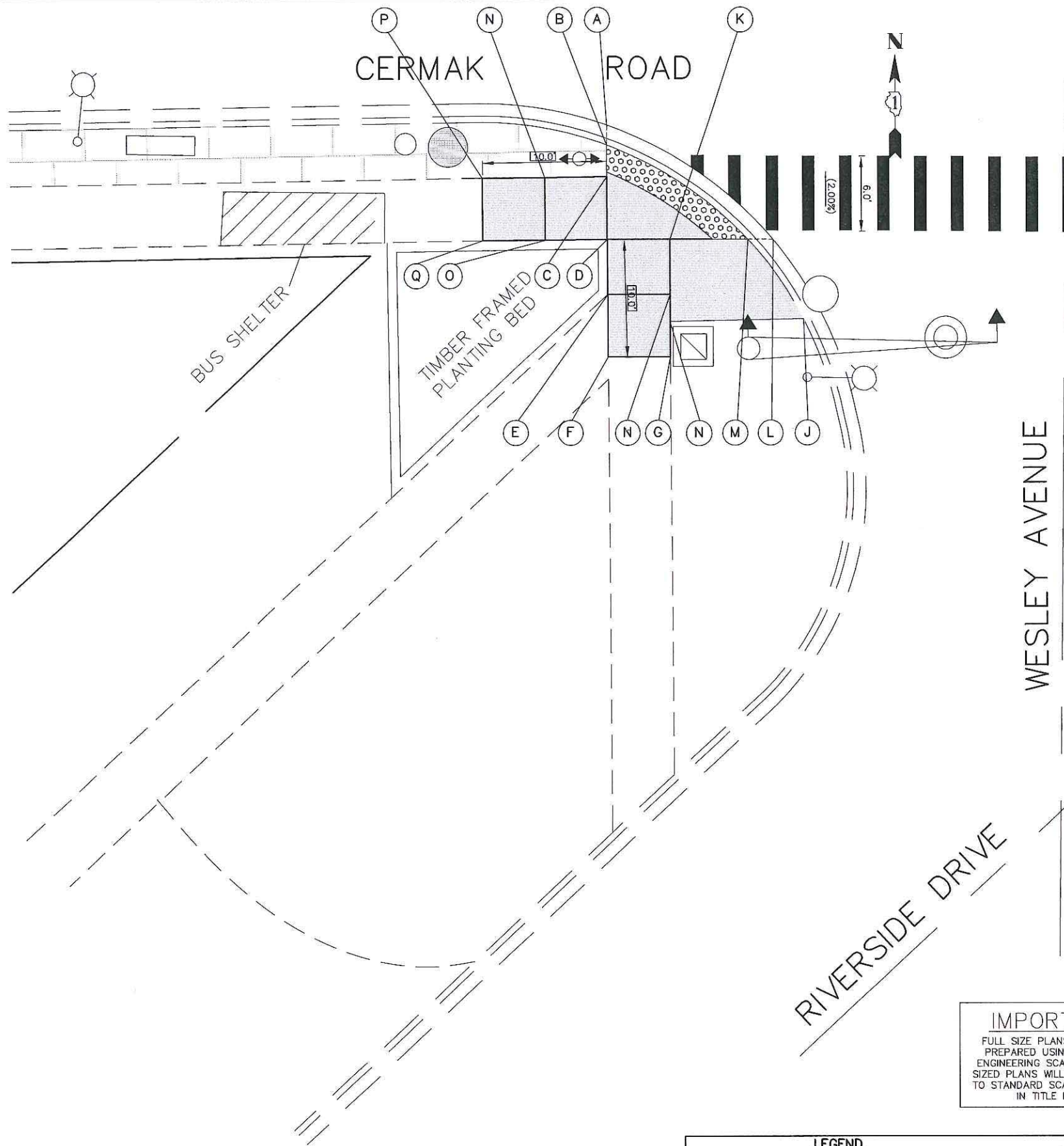
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIVERSIDE DRIVE AND OAK PARK AVENUE  
ADA RAMP DETAILS  
SCALE: 1"=5' SHEET NO. OF SHEETS STA. TO STA.

**NOVOTNY ENGINEERING**  
Illinois Professional Design Firm No. 184-009928

F.A.U. RTE. 3569	SECTION 16-00174-00-RS	COUNTY COOK	TOTAL SHEETS 33	SHEET NO. 18
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545 Plainfield Road, Suite A  
Willowbrook, IL 60527  
T: (630) 887.8640  
F: (630) 887.0132  
CONTRACT NO. 61F01  
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



**SOUTHWEST CORNER  
RIVERSIDE DRIVE AND CERMAK AVENUE**

POINT	EX. ELEV.	PR. ELEV.
A	(97.44)	(97.44)
B	(97.60)	(97.60)
C	(98.58)	97.75
D	(98.06)	(98.06)
E	(98.18)	98.01
F	(98.27)	(98.27)
G	(98.12)	(98.12)
H	(98.09)	(98.09)
I	(98.09)	97.91
J	(97.53)	(97.53)
K	(97.88)	97.81
L	(97.38)	(97.53)
M	(97.53)	(97.53)
N	(98.11)	(97.85)
O	(98.24)	98.16
P	(98.10)	(98.10)
Q	(98.23)	(98.23)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-L	16.32*	(0.37)
B-M	17.50*	(0.40)
H-J	10.5	(5.33)
K-H	6.5	2.00
D-M	11.0	(4.81)
E-I	5.0	(1.03)
D-E	5.0	1.00
E-F	5.0	5.20
F-G	5.0	(3.00)
H-G	5.0	(0.85)
D-O	5.0	2.00
O-Q	5.0	(1.40)
P-Q	5.0	(2.60)
P-N	5.0	5.00
N-C	5.0	2.00
D-B	7.5	(6.13)

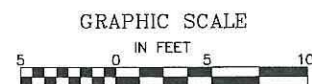
\* = ARC LENGTH

**IMPORTANT!**  
 FULL SIZE PLANS HAVE BEEN  
 PREPARED USING STANDARD  
 ENGINEERING SCALES. REDUCED  
 SIZED PLANS WILL NOT CONFORM  
 TO STANDARD SCALES INDICATED  
 IN TITLE BLOCK.

BENCHMARK : SSE BOLT ON FIRE HYDRANT AT SW CORNER OF  
 WESLEY AVENUE & RIVERSIDE DRIVE - ELEVATION =100.00

**LEGEND**

EXISTING LENGTH	PROPOSED SIDEWALK
PROPOSED SIDE CURB	PROPOSED DETECTABLE WARNINGS
EXISTING ELEVATION/SLOPE	PROPOSED THERMOPLASTIC PAVEMENT MARKINGS



**NOVOTNY ENGINEERING**  
 545 Plainfield Road, Suite A  
 Willowbrook, IL 60527  
 T: (630) 687.8640  
 F: (630) 687.0132  
 Illinois Professional Design Firm No. 184-00728

FILE NAME CITY OF BERWYN FAU 3569 (RIVERSIDE DRIVE) FAU 1488 (HARLEM AVE.) TO FAP 0311 (CERMAK RD.) #13217 RESURFACING	USER NAME =	DESIGNED - TRB DRAWN - JEP CHECKED - JEF DATE - 1/19/18	REVISED 7/18/18 REVISED - REVISED - REVISED -
--	-------------	--	--

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**RIVERSIDE DRIVE, WESLEY AVENUE AND (CERMAK ROAD)  
 ADA RAMP DETAILS**  
 SCALE: 1"=5' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 3569	SECTION 16-00174-00-RS	COUNTY COOK	TOTAL SHEETS 33	SHEET NO. 19
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F01	



SOUTHEAST CORNER  
RIVERSIDE DRIVE AND CERMAK AVENUE

POINT	EX. ELEV.	PR. ELEV.
A	(97.84)	(97.84)
B	(97.78)	(97.78)
C	(97.50)	(97.50)
D	(97.36)	(97.36)
E	(97.41)	(97.41)
F	(97.49)	(97.49)
G	(97.69)	(97.69)
H	(97.90)	(97.90)
I	(97.90)	(97.90)
J	(97.69)	(97.69)
K	(97.49)	(97.49)
L	(97.41)	(98.29)
M	(97.45)	(97.45)
N	(97.41)	(97.41)
O	(97.74)	(97.74)
P	(98.04)	(98.04)
Q	(97.97)	(97.97)
R	(97.68)	(97.68)
S	(97.43)	(97.43)

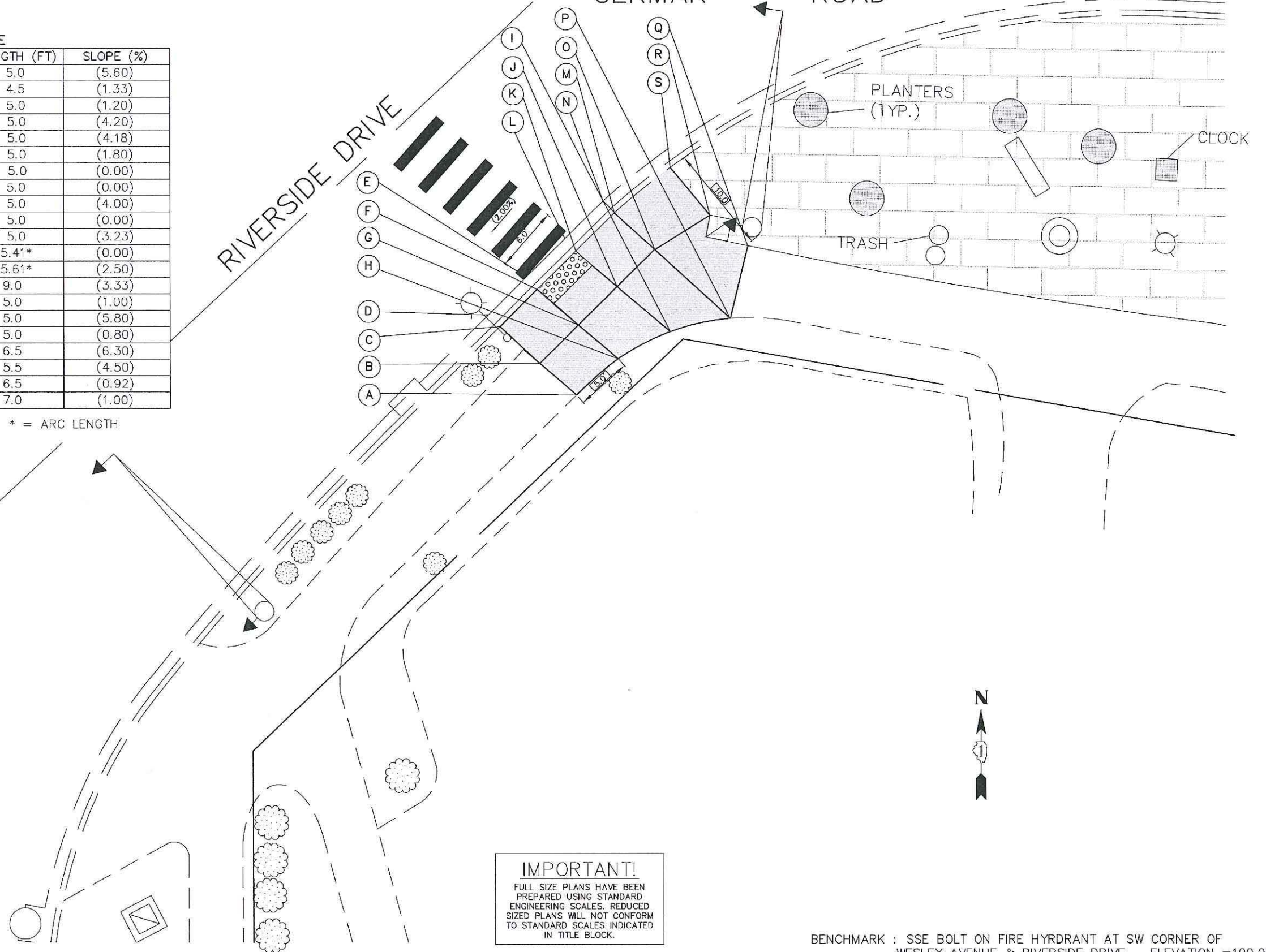
SEGMENT	LENGTH (FT)	SLOPE (%)
C-B	5.0	(5.60)
A-B	4.5	(1.33)
A-H	5.0	(1.20)
H-G	5.0	(4.20)
F-G	5.0	(4.18)
B-G	5.0	(1.80)
E-L	5.0	(0.00)
F-K	5.0	(0.00)
K-J	5.0	(4.00)
G-J	5.0	(0.00)
J-I	5.0	(3.23)
H-I	5.41*	(0.00)
I-P	5.61*	(2.50)
P-O	9.0	(3.33)
O-J	5.0	(1.00)
M-O	5.0	(5.80)
M-K	5.0	(0.80)
M-S	6.5	(6.30)
S-R	5.5	(4.50)
R-O	6.5	(0.92)
P-Q	7.0	(1.00)

\* = ARC LENGTH

RIVERSIDE DRIVE

CERMAK ROAD

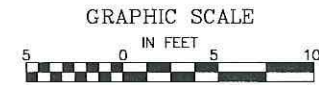
WESLEY AVENUE



**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

BENCHMARK : SSE BOLT ON FIRE HYDRANT AT SW CORNER OF WESLEY AVENUE & RIVERSIDE DRIVE - ELEVATION =100.00

LEGEND	
	EXISTING LENGTH
	PROPOSED SIDE CURB
	EXISTING ELEVATION/SLOPE
	PROPOSED SIDEWALK
	PROPOSED DETECTABLE WARNINGS
	PROPOSED THERMOPLASTIC PAVEMENT MARKINGS



**NOVOTNY ENGINEERING**  
545 Plainfield Road, Suite A  
Willowbrook, IL 60527  
T: (630) 887.8640  
F: (630) 887.0132  
Illinois Professional Design Firm No. 184-000728

FILE NAME CITY OF BERWYN  
FAU 3569 (RIVERSIDE DRIVE)  
FAU 148B (HARLEM AVE.) TO FAP 0311 (CERMAK RD.)  
#13217 RESURFACING

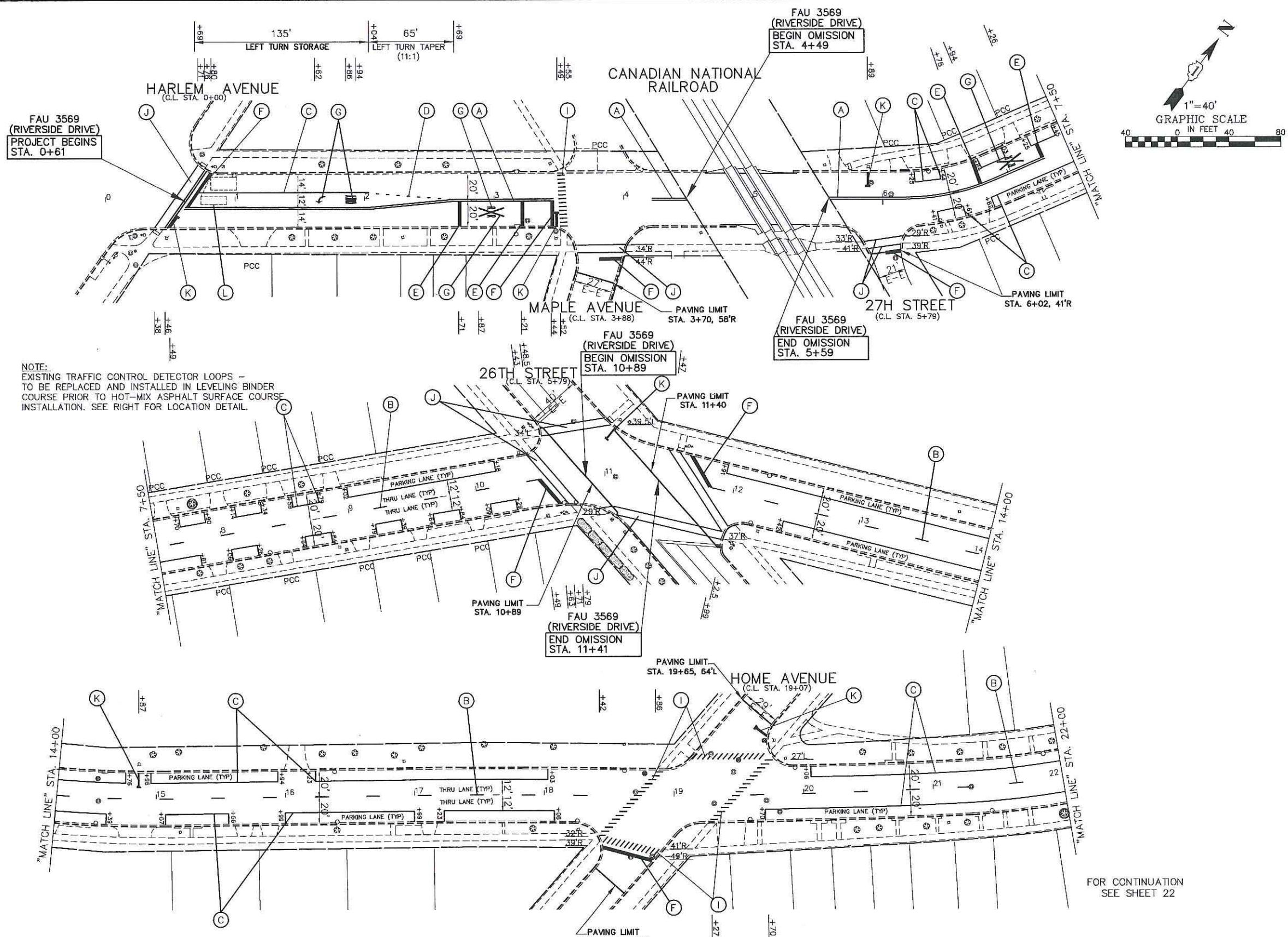
USER NAME =	DESIGNED - TRB	REVISED 7/18/18
PLOT SCALE =	DRAWN - JEP	REVISED -
PLOT DATE =	CHECKED - JEF	REVISED -
	DATE - 1/19/18	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIVERSIDE DRIVE, WESLEY AVENUE AND (CERMAK ROAD)			
ADA RAMP DETAILS			
SCALE: 1"=5'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	20
CONTRACT NO. 61F01				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



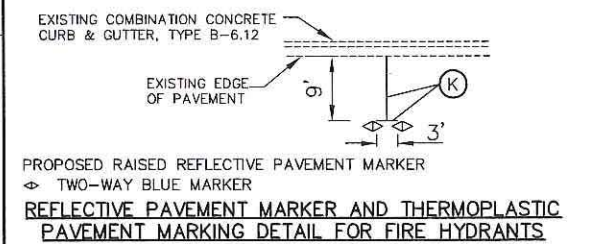


NOTE:  
EXISTING TRAFFIC CONTROL DETECTOR LOOPS -  
TO BE REPLACED AND INSTALLED IN LEVELING BINDER  
COURSE PRIOR TO HOT-MIX ASPHALT SURFACE COURSE  
INSTALLATION. SEE RIGHT FOR LOCATION DETAIL.

NOTE:  
SHORT-TERM PAVEMENT MARKING IS PROPOSED ON THE MILLED  
PAVEMENT, NEW BINDER AND ON THE NEW SURFACE. SEE  
ARTICLE 703.04 OF THE LATEST EDITION OF THE "STANDARD  
SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

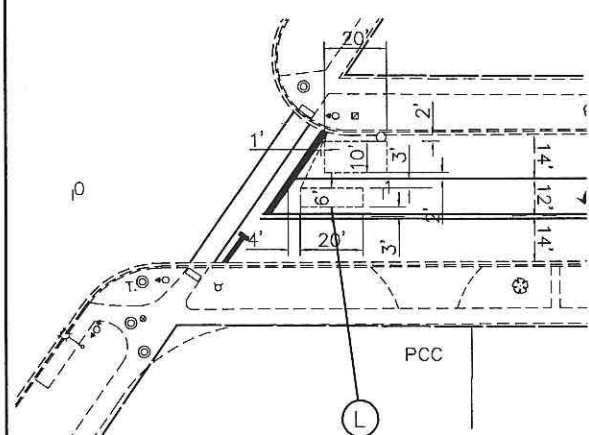
**THERMOPLASTIC PAVEMENT MARKING CODE**

- (A) CENTERLINE - (DOUBLE YELLOW)  
THERMOPLASTIC PAVEMENT MARKING - LINE 4" . 11" O/C
- (B) LANE LINE - (YELLOW)  
THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH, 30' SKIP
- (C) TURN LANE LINE AND PARKING LANE - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING - LINE 6"
- (D) TURN LANE TAPER - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING - LINE 6", 2' DASH, 6' SKIP
- (E) RAILROAD CROSSING BAR - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING - LINE 24"
- (F) STOP BAR - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING - LINE 24"
- (G) LETTERS AND SYMBOLS - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING
- (I) SCHOOL CROSSWALK LINE - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING - LINE 12"
- (J) CROSSWALK LINE - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING - LINE 6"
- (K) FIRE HYDRANT LOCATOR LINE - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING - LINE 8"
- DETECTOR LOOPS**
- (L) PROPOSED DETECTOR LOOP REPLACEMENT



FOR PAVEMENT MARKING DETAILS SEE SHEET 30  
FOR DISTRICT DETAIL TC-13

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	400	FOOT



DETAIL - DETECTOR LOOP REPLACEMENT AT HARLEM AVENUE  
N.T.S.

ALL SAW CUTS SHALL BE CONSIDERED INCLUDED  
IN THE COST OF THE ITEM BEING REMOVED.

FOR TYPICAL SECTIONS  
OF NEW PAVEMENT WORK  
SEE SHEET 6

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN  
PREPARED USING STANDARD  
ENGINEERING SCALES. REDUCED  
SIZED PLANS WILL NOT CONFORM  
TO STANDARD SCALES INDICATED  
IN TITLE BLOCK.

FILE NAME CITY OF BERWYN  
FAU 3569 (RIVERSIDE DRIVE)  
FAP 0348 (HARLEM AVENUE) TO FAU 1453 (CERMAK ROAD)  
#13217 RESURFACING, CURB, GUTTER

USER NAME =	DESIGNED - AMS	REVISED - TRB 5/09/18
PLOT SCALE =	DRAWN - JFP	REVISED -
PLOT DATE =	CHECKED - TRB	REVISED -
	DATE - 4/13/18	REVISED -

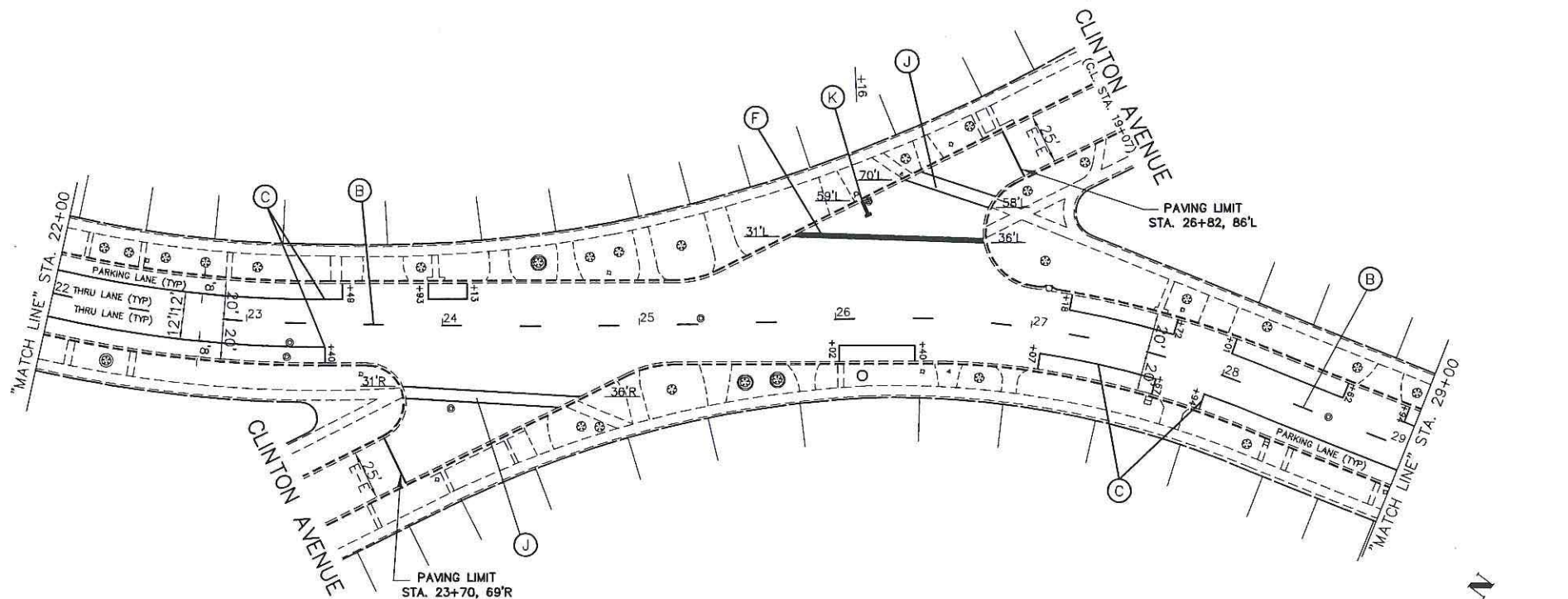
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN: FAU 3569 (RIVERSIDE DRIVE) -  
STA. 0+61 TO STA. 22+00  
(PAVEMENT MARKING PLAN)  
SCALE: 1"=40' SHEET NO. OF SHEETS STA. 0+61 TO STA. 22+00

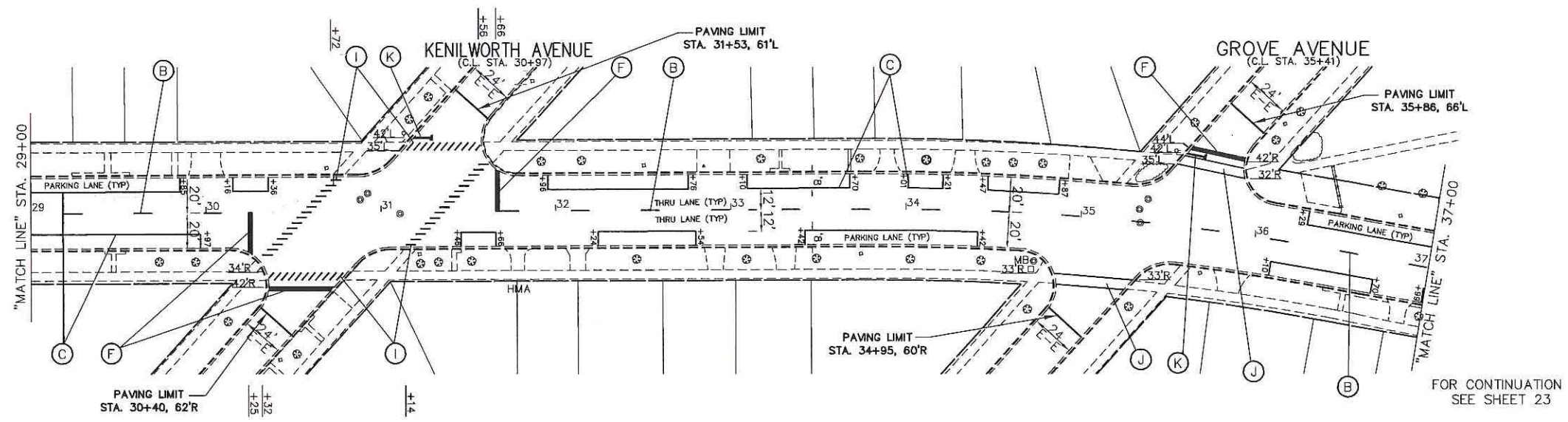
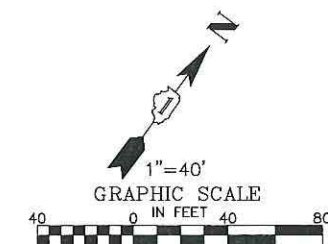
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	21
CONTRACT NO. 61F01				
ILLINOIS FEDERAL AID PROJECT				

**NOVOTNY ENGINEERING**  
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Illinois Professional Design Firm No. 084-009928





FOR CONTINUATION  
SEE SHEET 21



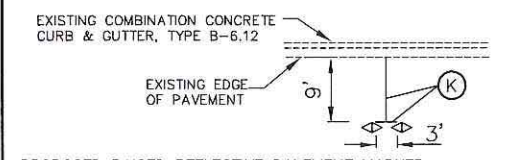
FOR CONTINUATION  
SEE SHEET 23

**RIVERSIDE DRIVE**

NOTE:  
SHORT-TERM PAVEMENT MARKING IS PROPOSED ON THE MILLED PAVEMENT, NEW BINDER AND ON THE NEW SURFACE. SEE ARTICLE 703.04 OF THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

**THERMOPLASTIC PAVEMENT MARKING CODE**

- (A) CENTERLINE - (DOUBLE YELLOW)  
THERMOPLASTIC PAVEMENT MARKING - LINE 4", 11" O/C
- (B) LANE LINE - (YELLOW)  
THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH, 30' SKIP
- (C) TURN LANE LINE AND PARKING LANE - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING - LINE 6"
- (D) TURN LANE TAPER - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING - LINE 6", 2' DASH, 6' SKIP
- (E) RAILROAD CROSSING BAR - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING - LINE 24"
- (F) STOP BAR - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING - LINE 24"
- (G) LETTERS AND SYMBOLS - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING
- (I) SCHOOL CROSSWALK LINE - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING - LINE 12"
- (J) CROSSWALK LINE - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING - LINE 6"
- (K) FIRE HYDRANT LOCATOR LINE - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING - LINE 8"
- DETECTOR LOOPS**
- (L) PROPOSED DETECTOR LOOP REPLACEMENT



PROPOSED RAISED REFLECTIVE PAVEMENT MARKER  
◀ TWO-WAY BLUE MARKER

**REFLECTIVE PAVEMENT MARKER AND THERMOPLASTIC PAVEMENT MARKING DETAIL FOR FIRE HYDRANTS**

FOR PAVEMENT MARKING DETAILS SEE SHEET 30  
FOR DISTRICT DETAIL TC-13

ALL SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

FOR TYPICAL SECTIONS OF NEW PAVEMENT WORK SEE SHEET 6

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

**NOVOTNY ENGINEERING**  
545 Plainfield Road, Suite A  
Willowbrook, IL 60527  
T: (630) 887.8640  
F: (630) 887.0132  
Illinois Professional Design Firm No. 184-000928

FILE NAME CITY OF BERWYN  
FAU 3569 (RIVERSIDE DRIVE)  
FAP 0348 (HARLEM AVENUE) TO FAU 1453 (CERMAK ROAD)  
#13217 RESURFACING, CURB, GUTTER

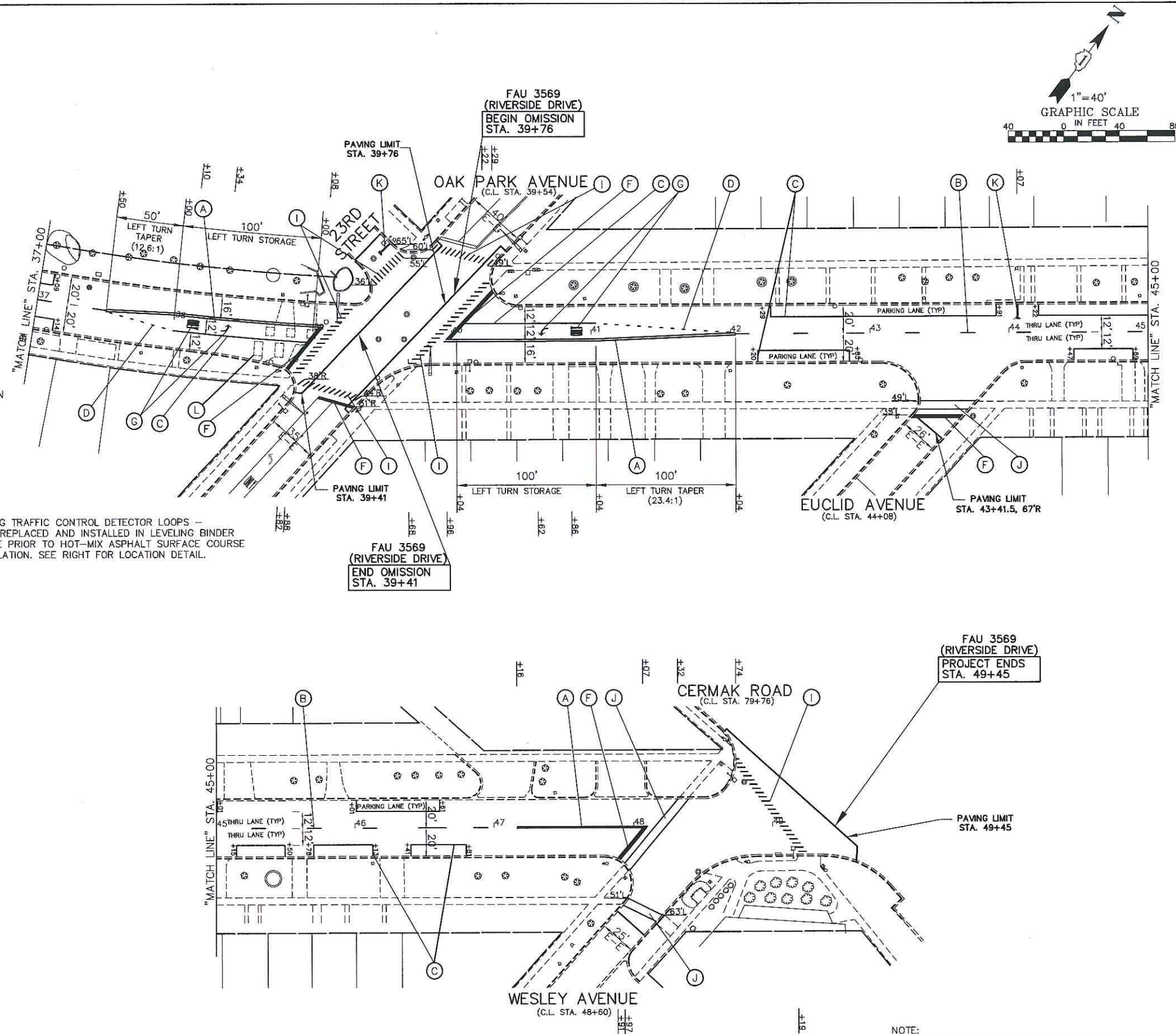
USER NAME =	DESIGNED -- AMS	REVISED -- TRB 5/09/18
PLOT SCALE =	DRAWN -- JFP	REVISED --
PLOT DATE =	CHECKED -- TRB	REVISED --
	DATE -- 4/13/18	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN: FAU 3569 (RIVERSIDE DRIVE) -  
STA. 22+00 TO STA. 37+00  
(PAVEMENT MARKING PLAN)**  
SCALE: 1"=40' SHEET NO. OF SHEETS STA. 22+00 TO STA. 37+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	22
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
CONTRACT NO. 61F01				





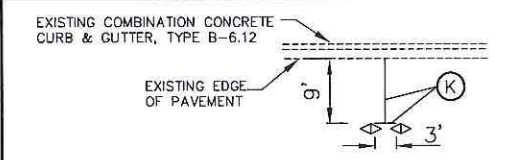
FOR CONTINUATION  
SEE SHEET 22

NOTE:  
EXISTING TRAFFIC CONTROL DETECTOR LOOPS -  
TO BE REPLACED AND INSTALLED IN LEVELING BINDER  
COURSE PRIOR TO HOT-MIX ASPHALT SURFACE COURSE  
INSTALLATION. SEE RIGHT FOR LOCATION DETAIL.

NOTE:  
SHORT-TERM PAVEMENT MARKING IS PROPOSED ON THE MILLED  
PAVEMENT, NEW BINDER AND ON THE NEW SURFACE. SEE  
ARTICLE 703.04 OF THE LATEST EDITION OF THE "STANDARD  
SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

**THERMOPLASTIC PAVEMENT MARKING CODE**

- (A) CENTERLINE - (DOUBLE YELLOW)  
THERMOPLASTIC PAVEMENT MARKING - LINE 4", 11" O/C
  - (B) LANE LINE - (YELLOW)  
THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH, 30' SKIP
  - (C) TURN LANE LINE AND PARKING LANE - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING - LINE 6"
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THERMOPLASTIC PAVEMENT MARKING - LINE 6", 2' DASH, 6' SKIP
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  - (G) LETTERS AND SYMBOLS - (WHITE)  
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THERMOPLASTIC PAVEMENT MARKING - LINE 6"
  - (K) FIRE HYDRANT LOCATOR LINE - (WHITE)  
THERMOPLASTIC PAVEMENT MARKING - LINE 8"
- DETECTOR LOOPS**
- (L) PROPOSED DETECTOR LOOP REPLACEMENT



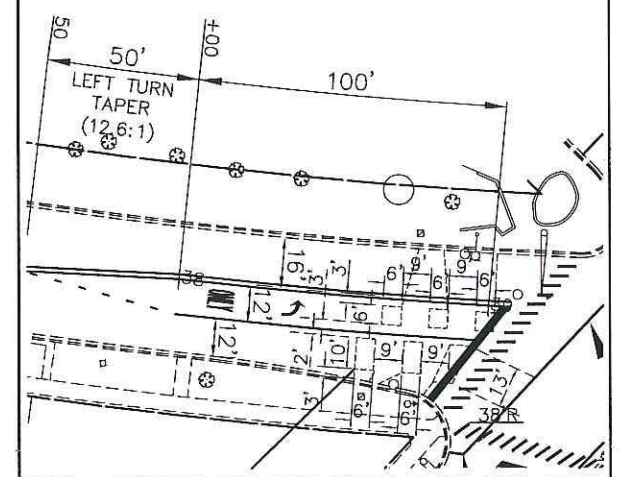
EXISTING COMBINATION CONCRETE  
CURB & GUTTER, TYPE B-6.12

PROPOSED RAISED REFLECTIVE PAVEMENT MARKER  
◁ TWO-WAY BLUE MARKER

**REFLECTIVE PAVEMENT MARKER AND THERMOPLASTIC  
PAVEMENT MARKING DETAIL FOR FIRE HYDRANTS**

FOR PAVEMENT MARKING DETAILS SEE SHEET 30  
FOR DISTRICT DETAIL TC-13

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	600	FOOT



**DETAIL - DETECTOR LOOP REPLACEMENT AT OAK PARK AVENUE**  
N.T.S.

ALL SAW CUTS SHALL BE CONSIDERED INCLUDED  
IN THE COST OF THE ITEM BEING REMOVED.

FOR TYPICAL SECTIONS  
OF NEW PAVEMENT WORK  
SEE SHEET 6

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN  
PREPARED USING STANDARD  
ENGINEERING SCALES. REDUCED  
SIZED PLANS WILL NOT CONFORM  
TO STANDARD SCALES INDICATED  
IN TITLE BLOCK.

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545 Plainfield Road, Suite A  
Willowbrook, IL 60527  
T: (630) 887.8640  
F: (630) 887.0132  
Illinois Professional Design Firm No. 184-009728

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	23

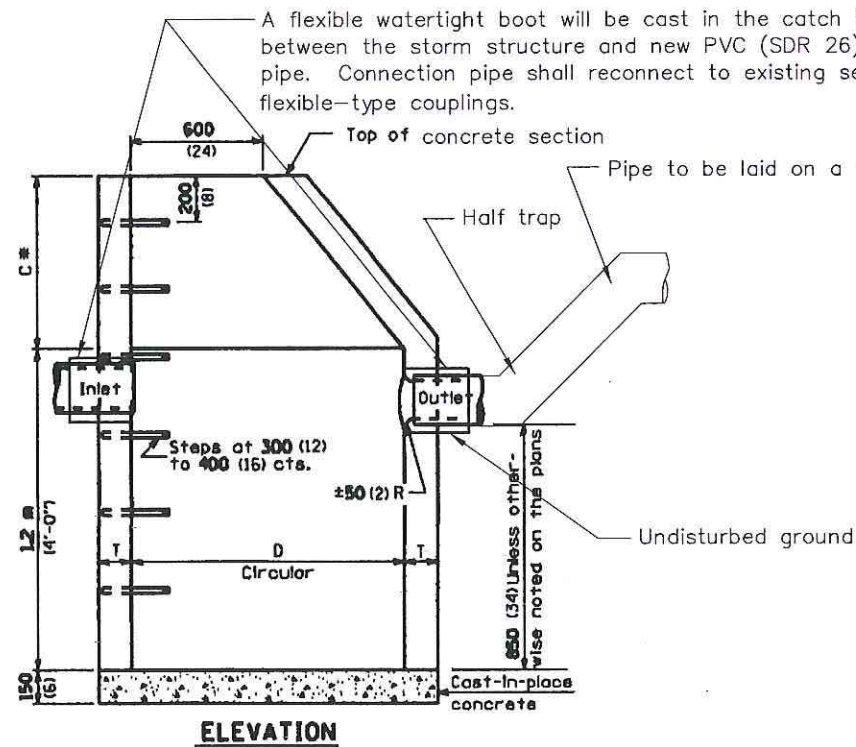
CONTRACT NO. 61F01  
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

FILE NAME CITY OF BERWYN FAU 3569 (RIVERSIDE DRIVE) FAP 0348 (HARLEM AVENUE) TO FAU 1453 (CERMAK ROAD) #13217 RESURFACING, CURB, GUTTER	USER NAME =	DESIGNED - AMS DRAWN - JFP CHECKED - TRB DATE - 4/13/18	REVISED - TRB 5/09/18 REVISED - REVISED - REVISED -
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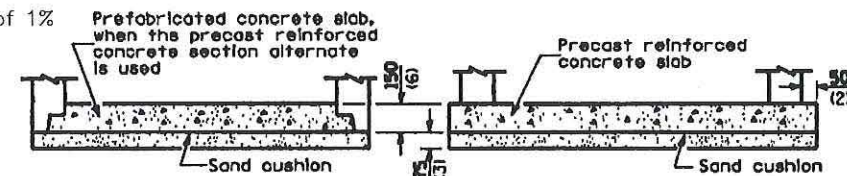
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN: FAU 3569 (RIVERSIDE DRIVE) -  
STA. 37+00 TO STA. 49+45  
(PAVEMENT MARKING PLAN)**  
SCALE: 1" = 40' SHEET NO. OF SHEETS STA. 37+00 TO STA. 49+45





**CATCH BASIN, SPECIAL**



**ALTERNATE BOTTOM SLAB**

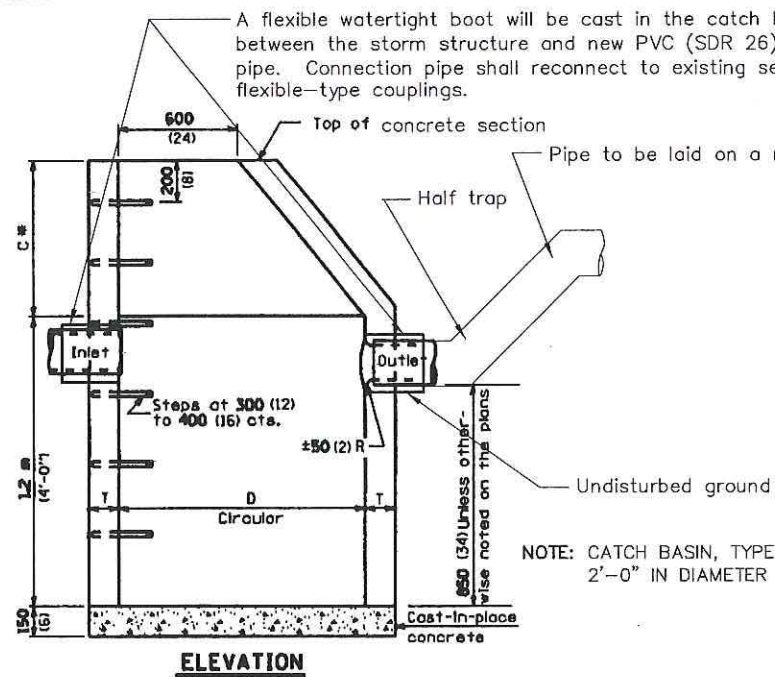
ALTERNATE MATERIALS FOR WALLS	D	C*	T (min.)
Concrete Masonry Unit	36 (900) 4'-0" (1.20 m)	15 (380) 30 (760)	5 (125) 5 (125)
Brick Masonry	36 (900) 4'-0" (1.20 m)	15 (380) 30 (760)	8 (200) 8 (200)
Precast Reinforced Concrete Section	36 (900) 4'-0" (1.20 m)	15 (380) 30 (760)	3 (75) 4 (100)
Cast-in-Place Concrete	36 (900) 4'-0" (1.20 m)	15 (380) 30 (760)	6 (150) 6 (150)

\* For precast reinforced concrete sections, dimension "C" may vary from the dimension given to plus 6 (150).

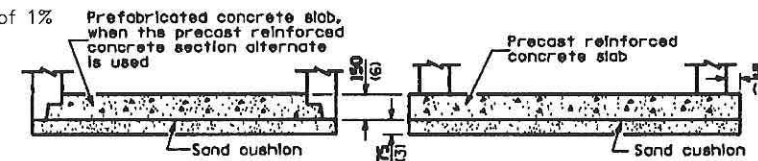
**GENERAL NOTES**

See Standard IDOT 602601 for optional precast reinforced concrete flat slab top.  
See Standard IDOT 602701 for details of steps.  
All dimensions are in millimeters (inches) unless otherwise shown.

\*Dimension C for precast reinforced concrete section may vary from the dimension given to plus 150mm (6").



**CATCH BASIN, TYPE A, SPECIAL**



**ALTERNATE BOTTOM SLAB**

ALTERNATE MATERIALS FOR WALLS	D	C	T (min.)
Precast Reinforced Concrete Section	1.2 m (4'-0") 1.5 m (5'-0")	750 (30) 1,115 m (3'-9")	100 (4) 125 (5)
Cast-in-place Concrete	1.2 m (4'-0") 1.5 m (5'-0")	750 (30) 1,115 m (3'-9")	100 (4) 125 (5)

**GENERAL NOTES**

All catch basins shall be 1.2m (4'-0") in diameter unless otherwise noted on the plans.

\*Dimension C for precast reinforced concrete section may vary from the dimension given to plus 150mm (6").

See Standard IDOT 602601 for optional precast reinforced concrete flat slab top.  
See Standard IDOT 602701 for details of steps.  
All dimensions are in millimeters (inches) unless otherwise shown.

**CATCH BASIN, TYPE C, SPECIAL**

FILE NAME CITY OF BERWYN  
FAU 3569 (RIVERSIDE DRIVE)  
FAP 0348 (HARLEM AVENUE) TO FAU 1453 (CERMAK ROAD)  
#13217 RESURFACING, CURB, GUTTER

USER NAME =  
DESIGNED - AMS  
DRAWN - JFP  
CHECKED - TRB  
DATE - 4/13/18  
REVISED - TRB 5/09/18  
REVISED - TRB 7/18/18  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

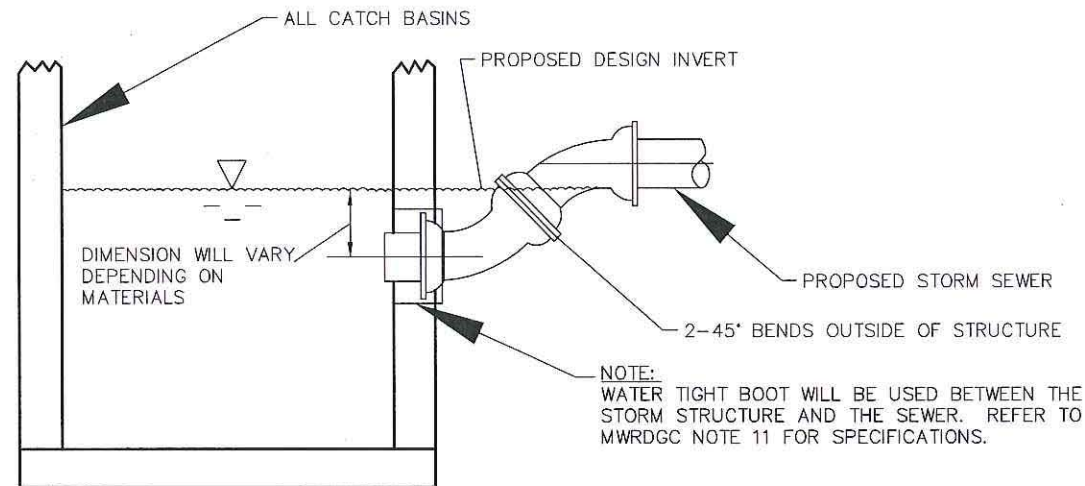
DETAILS - CATCH BASIN, SPECIAL

CATCH BASIN, TYPE A SPECIAL  
CATCH BASIN, TYPE C, SPECIAL

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

	<b>NOVOTNY ENGINEERING</b>		545 Plainfield Road, Suite A Willowbrook, IL 60527 T: 630) 887.8640 F: 630) 887.0132	
	<small>Illinois Professional Design Firm No. 184-000928</small>			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	24
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61F01	



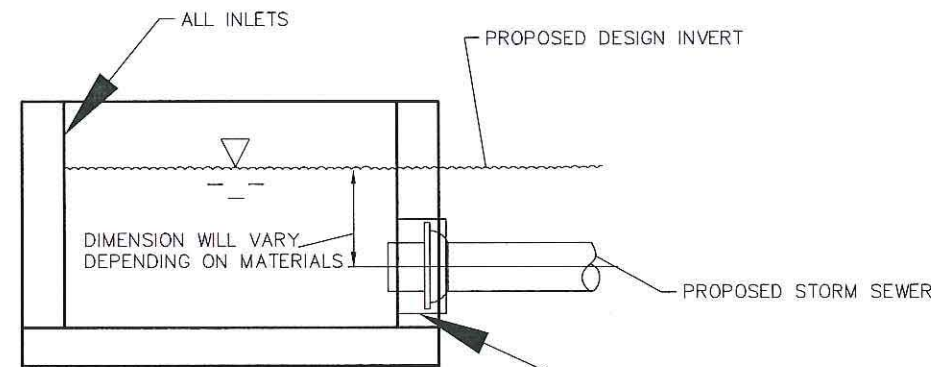


NOTE: WATER TIGHT BOOT WILL BE USED BETWEEN THE STORM STRUCTURE AND THE SEWER. REFER TO MWRDGC NOTE 11 FOR SPECIFICATIONS.

NOTE: ALL PROPOSED OUTFLOW INVERTS SHOWN IN THE STRUCTURE SCHEDULE ARE TO THE TRAPPED ELEVATION OF THE WATER INSIDE AND OUTSIDE OF THE CATCH BASIN.

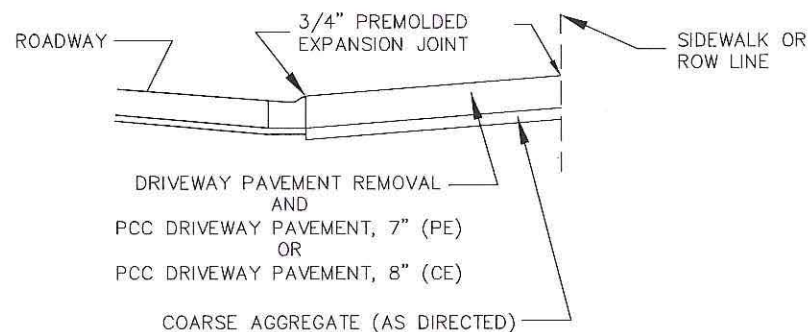
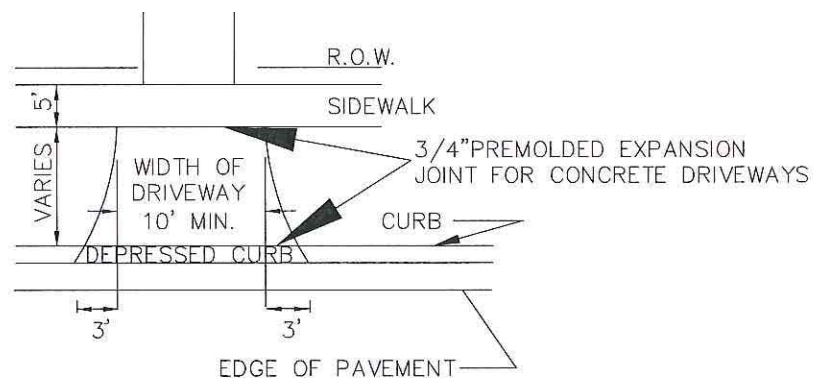
NOTE: THE ACTUAL POSITION OF THE OUTFLOW PIPE IN ALL CATCH BASINS WILL BE LOWER THAN THE DESIGN INVERT ELEVATION, DEPENDING ON THE CONSTRUCTION OF THE TRAP. ALL CONNECTIONS AND PIPING CONSTRUCTION SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE MATERIALS ARE ORDERED.

CATCH BASIN WITH HALF TRAP



A FLEXIBLE WATERTIGHT BOOT, CONFORMING TO ASTM C-923, WILL BE CAST IN THE INLET AT FABRICATION, TO BE USED BETWEEN THE STORM STRUCTURE AND NEW PVC SDR ASTM D-2241, 8" DIA. CONNECTING PIPE. CONNECTION PIPE SHALL RECONNECT TO EXISTING SEWER PIPES USING A NON-SHEAR FLEXIBLE-TYPE COUPLINGS.

INLET, TYPE A



THICKNESS OF CURB AND GUTTER FLAG SHALL BE 9 1/2 INCHES, MIN.

SAWCUTTING AND THE 3/4" PREMOLDED EXPANSION JOINT WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF PCC DRIVEWAY PAVEMENT

TYPICAL DRIVEWAY DETAIL

NOTES:

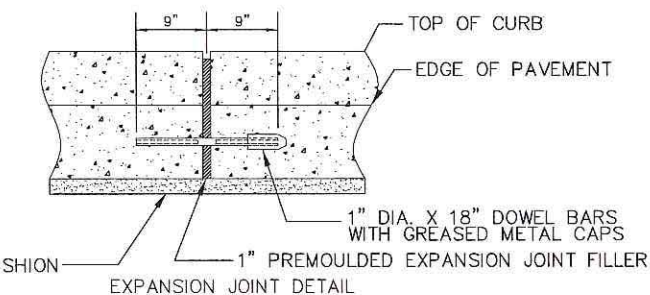
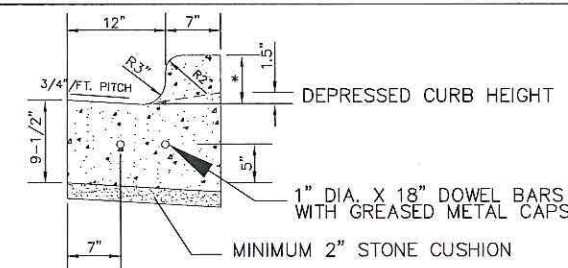
1" PREFORMED EXPANSION MOLDING SHALL BE PLACED WITH TWO SMOOTH 1" DIA, DOWEL BARS WITH GREASED CAPS AT ALL POINTS OF CURVATURE AND CORNERS.

CONTRACTION JOINTS SHALL BE SAW CUT OR TOOLED TO A DEPTH OF 2" @ 15' MINIMUM SPACING. SAW CUT CONTRACTION JOINTS SHALL BE DONE WITHIN 24 HR.. ALL CONTRACTION JOINTS SHALL BE SEALED WITH AN IDOT APPROVED JOINT SEALANT.

AN IDOT APPROVED CURING COMPOUND SHALL BE USED ON ALL PROPOSED CONCRETE CURB AND GUTTER.

3/4" TIE ANCHOR BAR SHALL BE INSTALLED IN THE ENDS OF EXISTING CURB AND GUTTER TO TIE THE NEW CURB TO THE EXISTING. TO BE INCLUDED IN THE COST OF THE "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)" PAY ITEM.

\* TYPE B-6.12 (SPECIAL) = VARIABLE HEIGHT CURB VARIES FROM 4" TO 6"



COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)

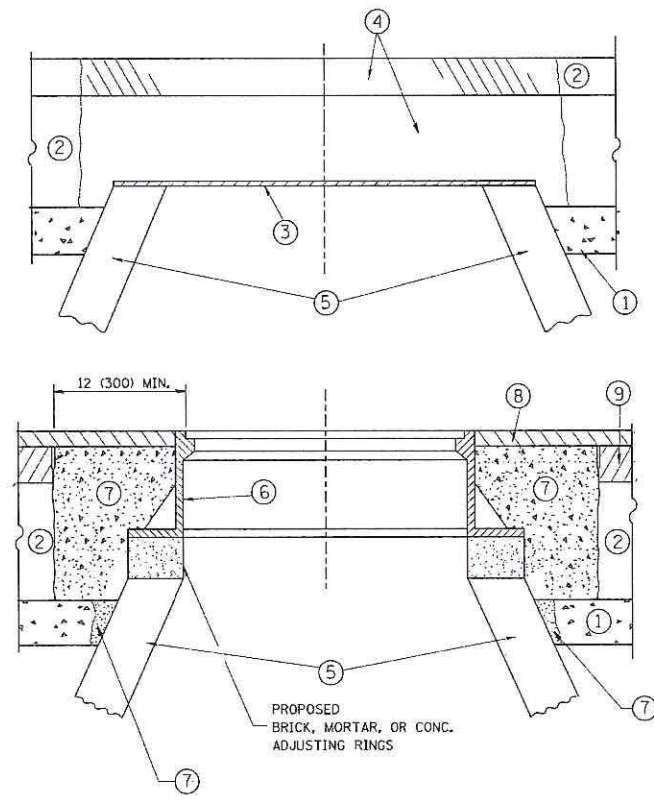
FILE NAME	CITY OF BERWYN	USER NAME =	DESIGNED -- AMS	REVISED -- TRB 5/09/18
	FAU 3569 (RIVERSIDE DRIVE)		DRAWN -- JFP	REVISED -- TRB 7/18/18
	FAP 0348 (HARLEM AVENUE) TO FAU 1453 (CERMAK ROAD)	PLOT SCALE =	CHECKED -- TRB	REVISED --
	#13217 RESURFACING, CURB, GUTTER	PLOT DATE =	DATE -- 4/13/18	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS - CATCH BASIN WITH HALF TRAP, INLET - TYPE A, TYPICAL ALLEY RETURN, COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)			
SCALE: NONE	SHEET NO.	OF SHEETS	STA. TO STA.

<b>NOVOTNY ENGINEERING</b>		545 Plainfield Road, Suite A Willowbrook, IL 60527	
F.A.U. RTE.		COUNTY	TOTAL SHEETS
3569		COOK	33
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	SHEET NO.
			25
		CONTRACT NO. 61F01	





**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

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

**STAGE 2 (AFTER PAVEMENT MILLING)**

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

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

**LEGEND**

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

**LOCATION OF STRUCTURES:**

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

**BASIS OF PAYMENT:**

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

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

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

**NOTES:**

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

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

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

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

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

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

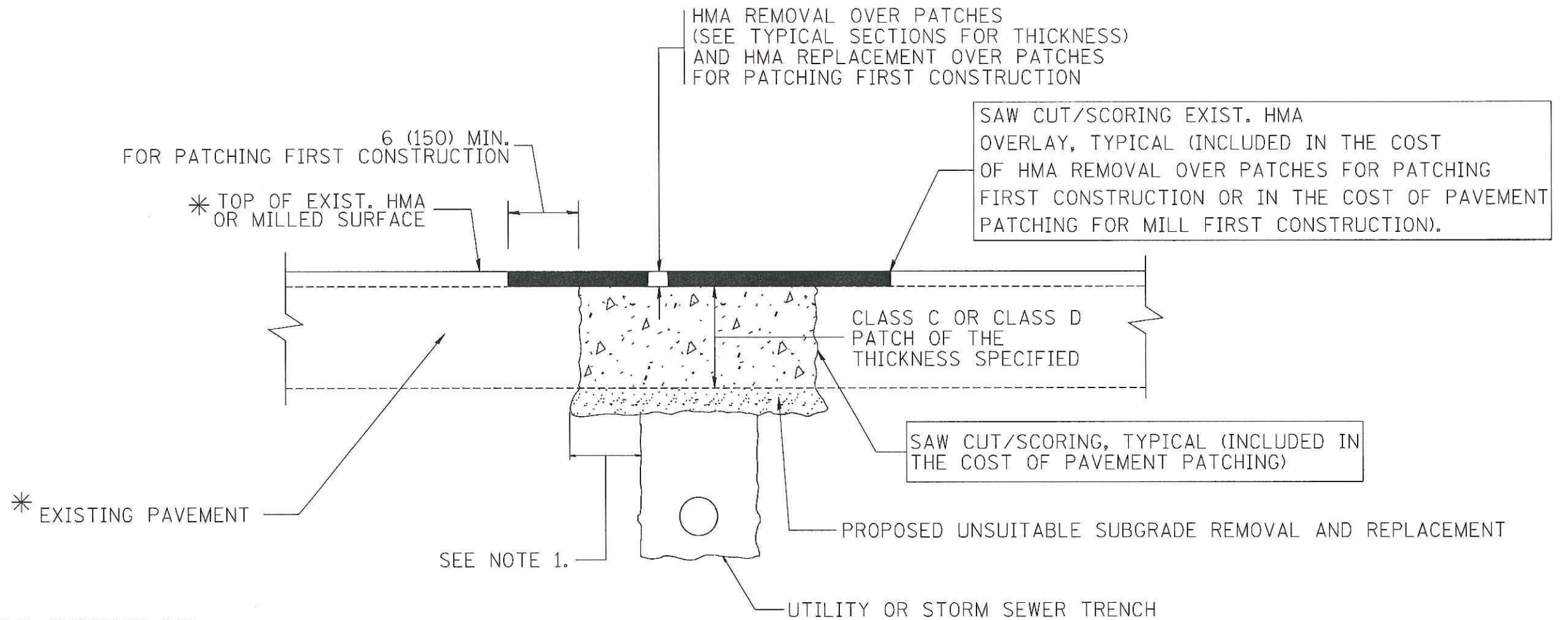
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	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	26
BD600-03 (BD-8)		CONTRACT NO. 61F01		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				





\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

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

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

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

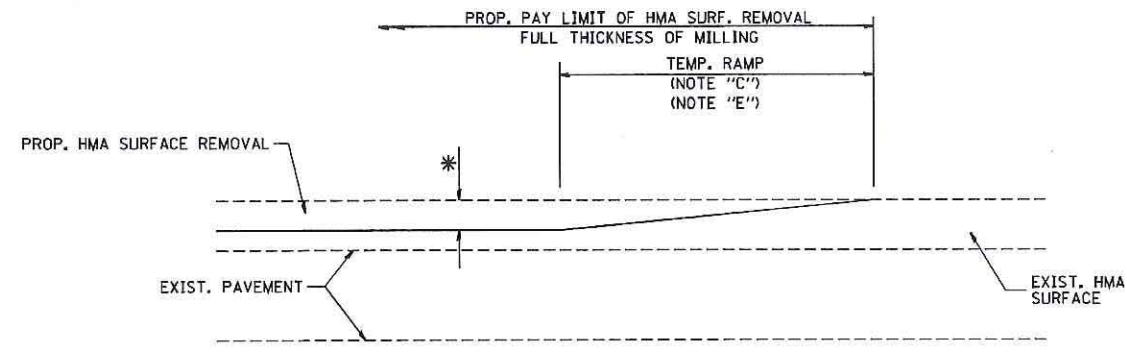
**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

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

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

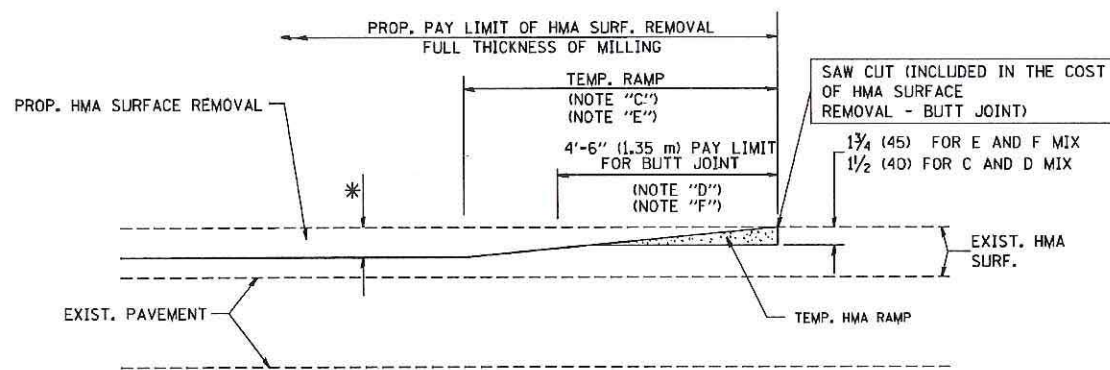
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	PLOT DATE = 10/27/2008	CHECKED -	REVISED - R. BORO 09-04-07		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								
		DATE - 10-25-94	REVISED - K. ENG 10-27-08										





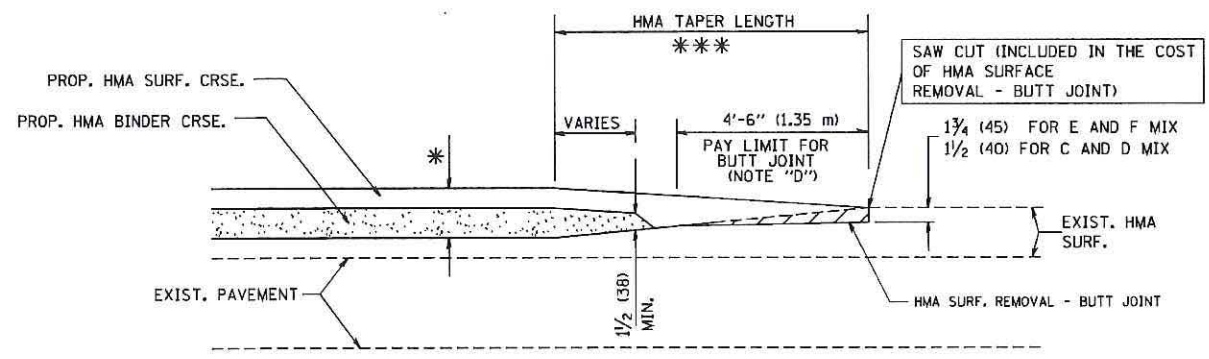
MILLED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

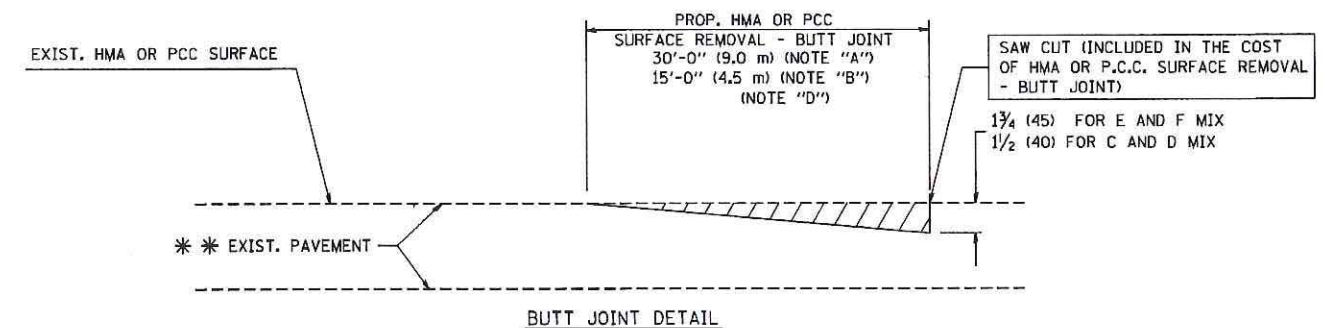


HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

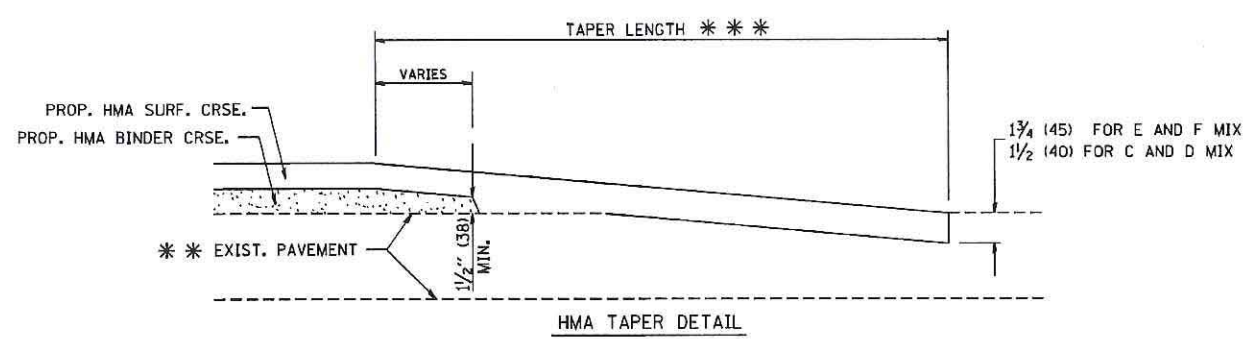
**OPTION 2**  
**TYPICAL TEMPORARY RAMP**



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



BUTT JOINT DETAIL



HMA TAPER DETAIL  
**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

**NOTES**

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

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

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

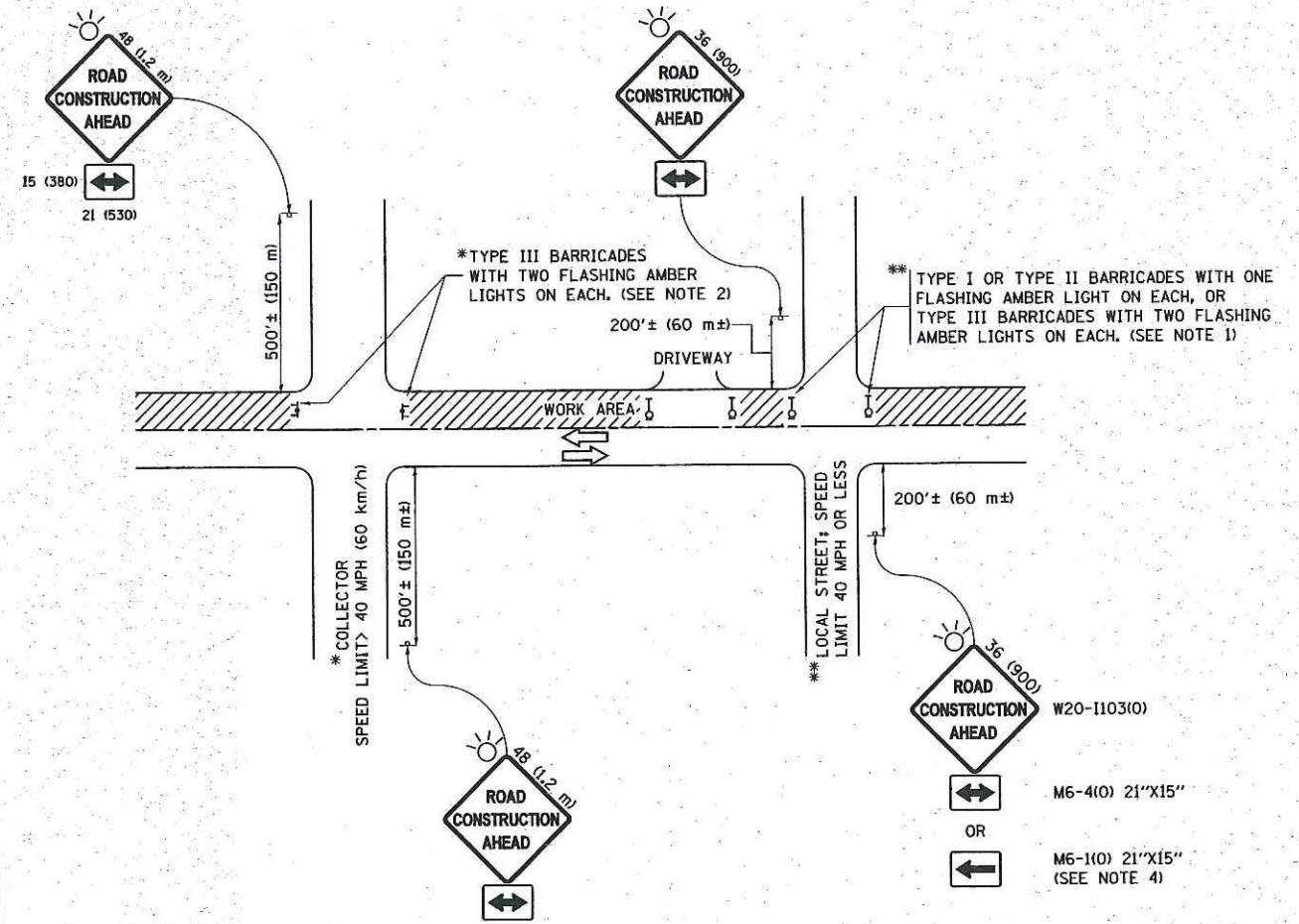
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PLDT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07	

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

<b>BUTT JOINT AND HMA TAPER DETAILS</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	28
<b>BD400-05 BD32</b>			<b>CONTRACT NO. 61F01</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**NOTES:**

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

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

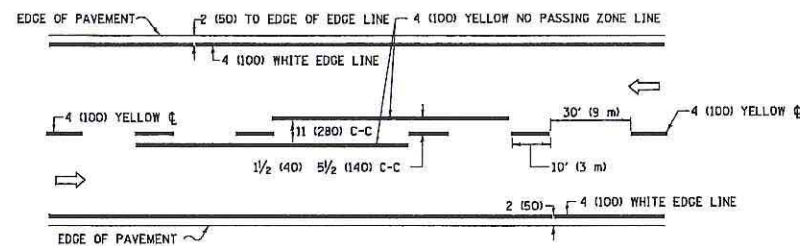
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	PLOT DATE = 9/15/2016		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

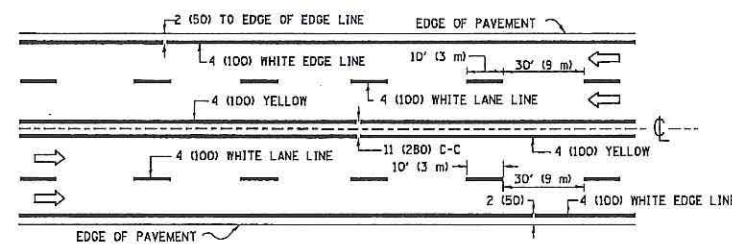
<b>TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	29
<b>TC-10</b>			<b>CONTRACT NO. 61F01</b>	
ILLINOIS FED. AID PROJECT				

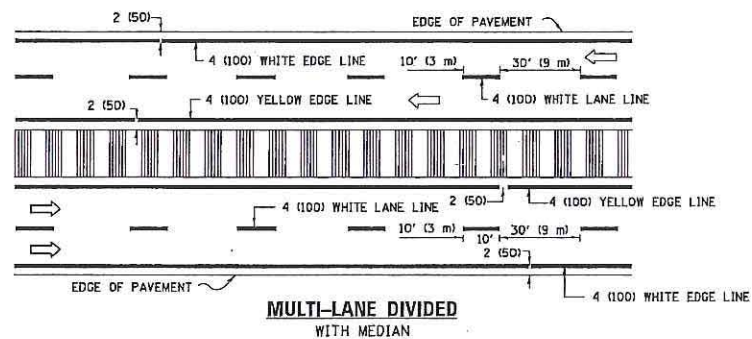




**2-LANE ROADWAY**

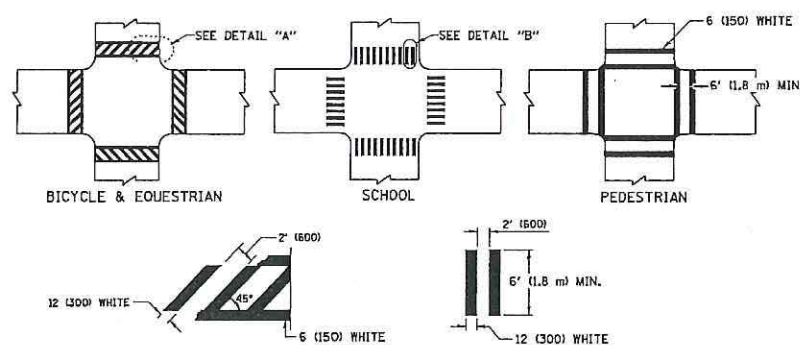


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

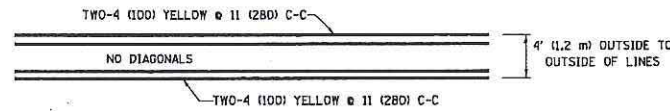


**DETAIL "A"**

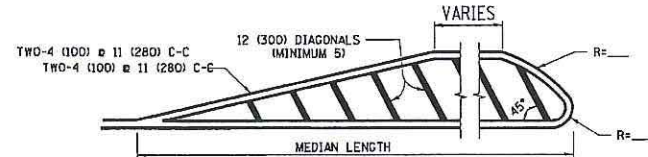
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

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

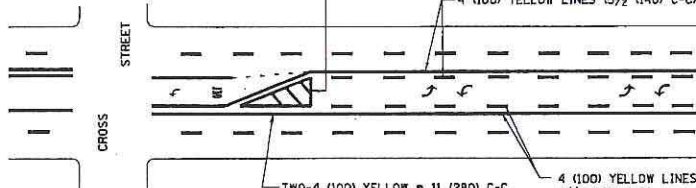


**4' (1.2 m) WIDE MEDIANS ONLY**



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

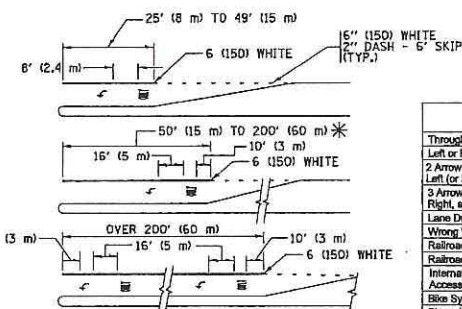
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h))  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



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

**MEDIAN WITH TWO-WAY LEFT TURN LANE**

**TYPICAL PAINTED MEDIAN MARKING**



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

**TYPICAL TURN LANE MARKING**

FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) [ONLY] AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

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

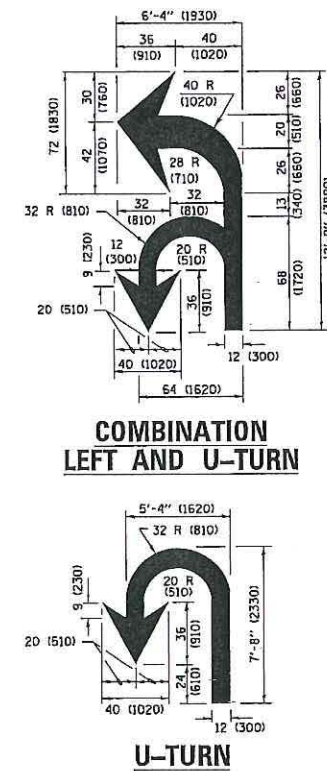
Symbol	Large Size sq ft (sq m)	Small Size sq ft (sq m)
Through Arrow	11.5 (1.07)	6.5 (0.60)
Left or Right Arrow	15.6 (1.47)	8.8 (0.82)
2 Arrow Combination Left (or Right) and Right and Through	26.0 (2.42)	14.7 (1.37)
3 Arrow Combination Left, Right, and Through	38.4 (3.56)	20.9 (1.94)
Lane Drop Arrow	41.5 (3.86)	--
Wrong Way Arrow	24.3 (2.26)	--
Railroad "R" 8 ft (2.4 m)	3.6 (0.33)	--
Railroad "X" 20 ft (6.1 m)	54.0 (5.02)	--
International Symbol of Accessibility	6.0 (0.56)	--
Bike Symbol	4.7 (0.44)	--
Shared Lane Symbol	8.0 (0.74)	--

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

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

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

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



**COMBINATION LEFT AND U-TURN**

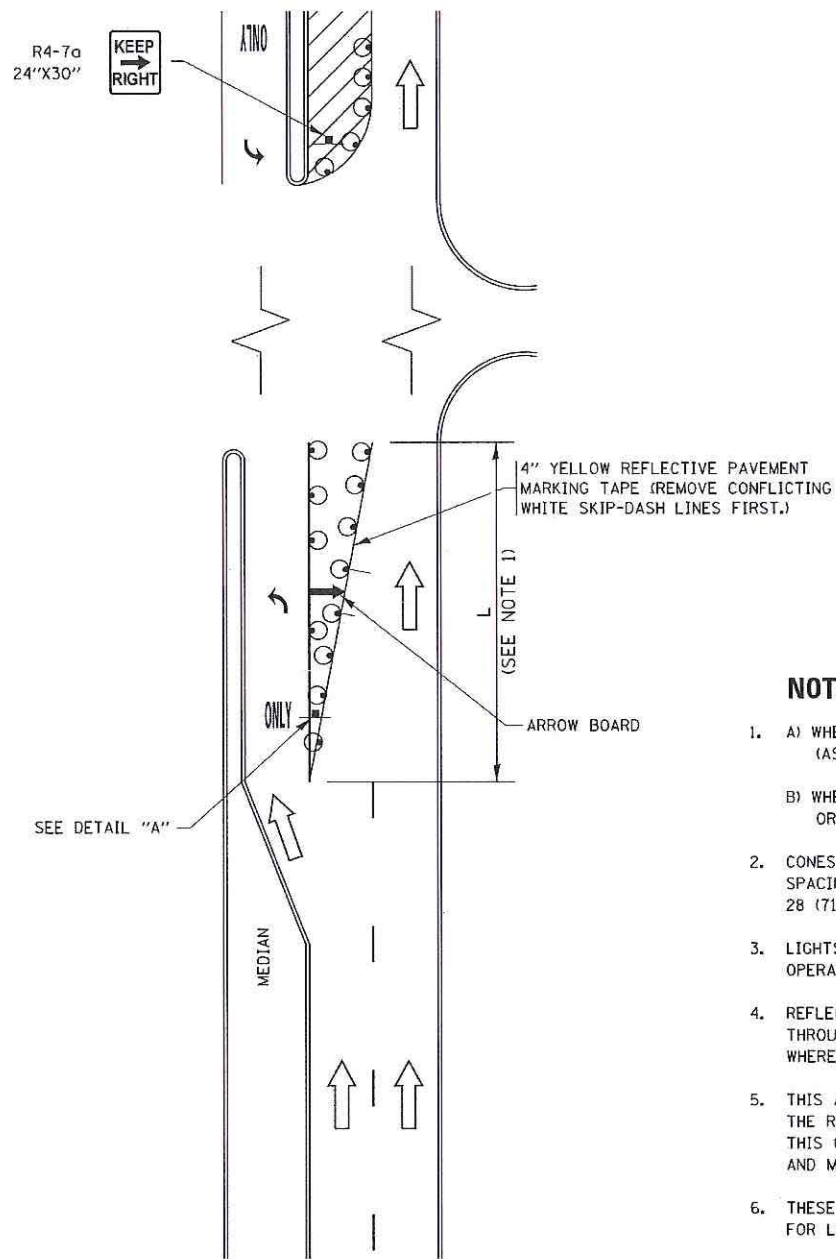
**U-TURN**

**LANE REDUCTION TRANSITION**

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

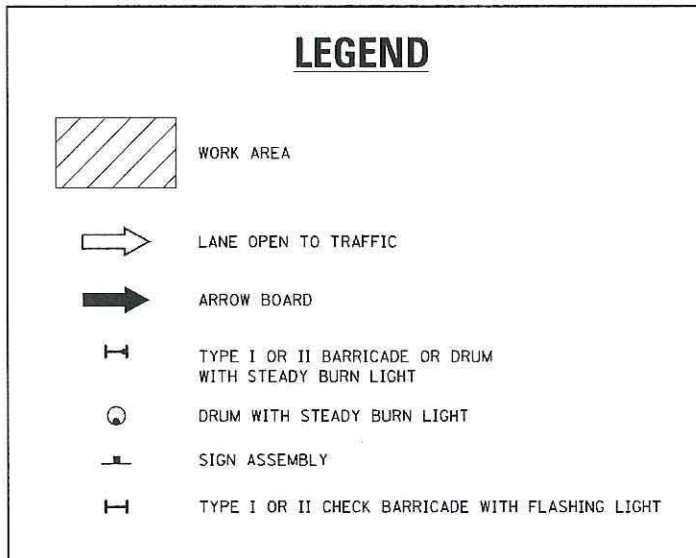


## TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

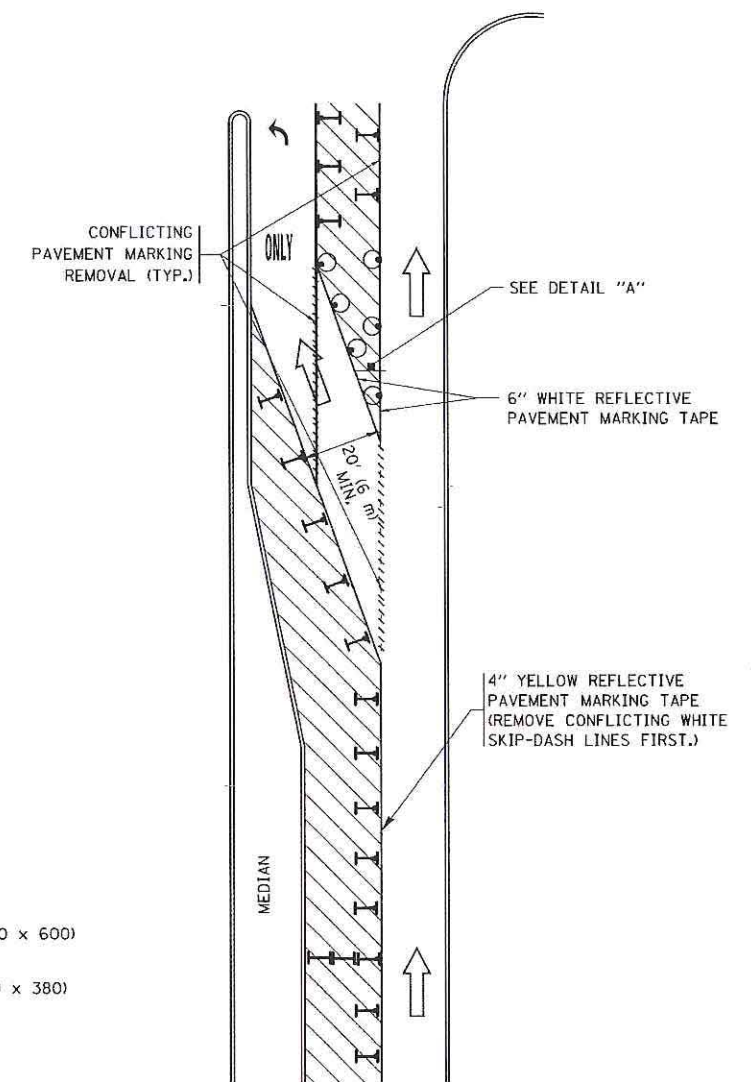
### LEGEND



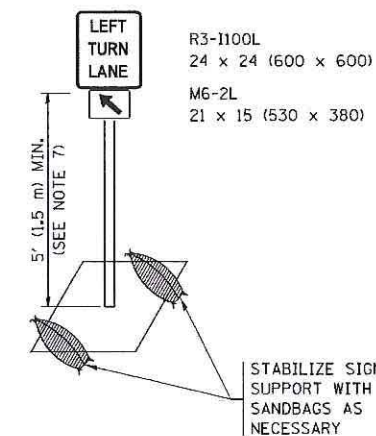
### NOTES:

1. A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

## TURN BAY ENTRANCE WITHIN A LANE CLOSURE



**FIGURE 2**

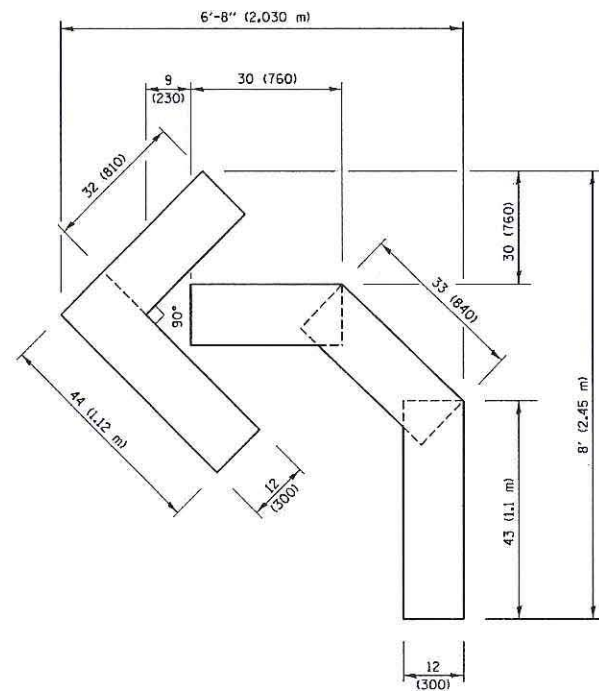


**DETAIL A**

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

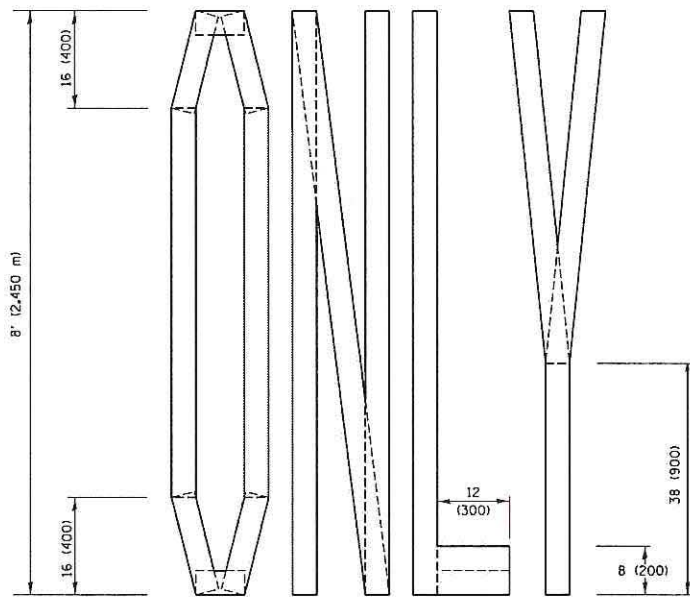
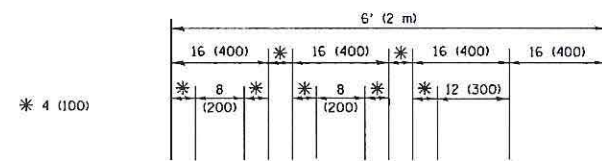
FILE NAME =	USER NAME = footemj	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 50,000 <sup>0</sup> / 1	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 07-01-13			3569	16-00174-00-RS	COOK	33	31
	PLOT DATE = 9/15/2016	REVISED - T. RAMMACHER 01-06-00	REVISED - A. SCHUETZE 09-15-16			SCALE: NONE    SHEET 1 OF 1 SHEETS    STA.    TO STA.		TC-14		CONTRACT NO. 61F01
						ILLINOIS FED. AID PROJECT				





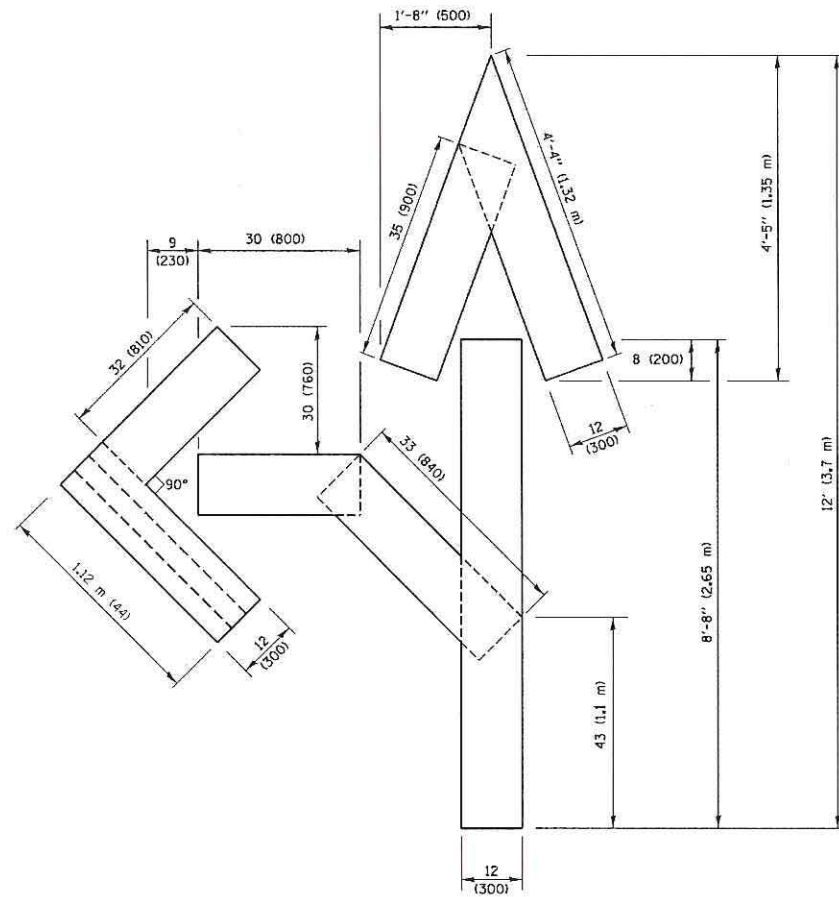
**QUANTITY**

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



**QUANTITY**

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

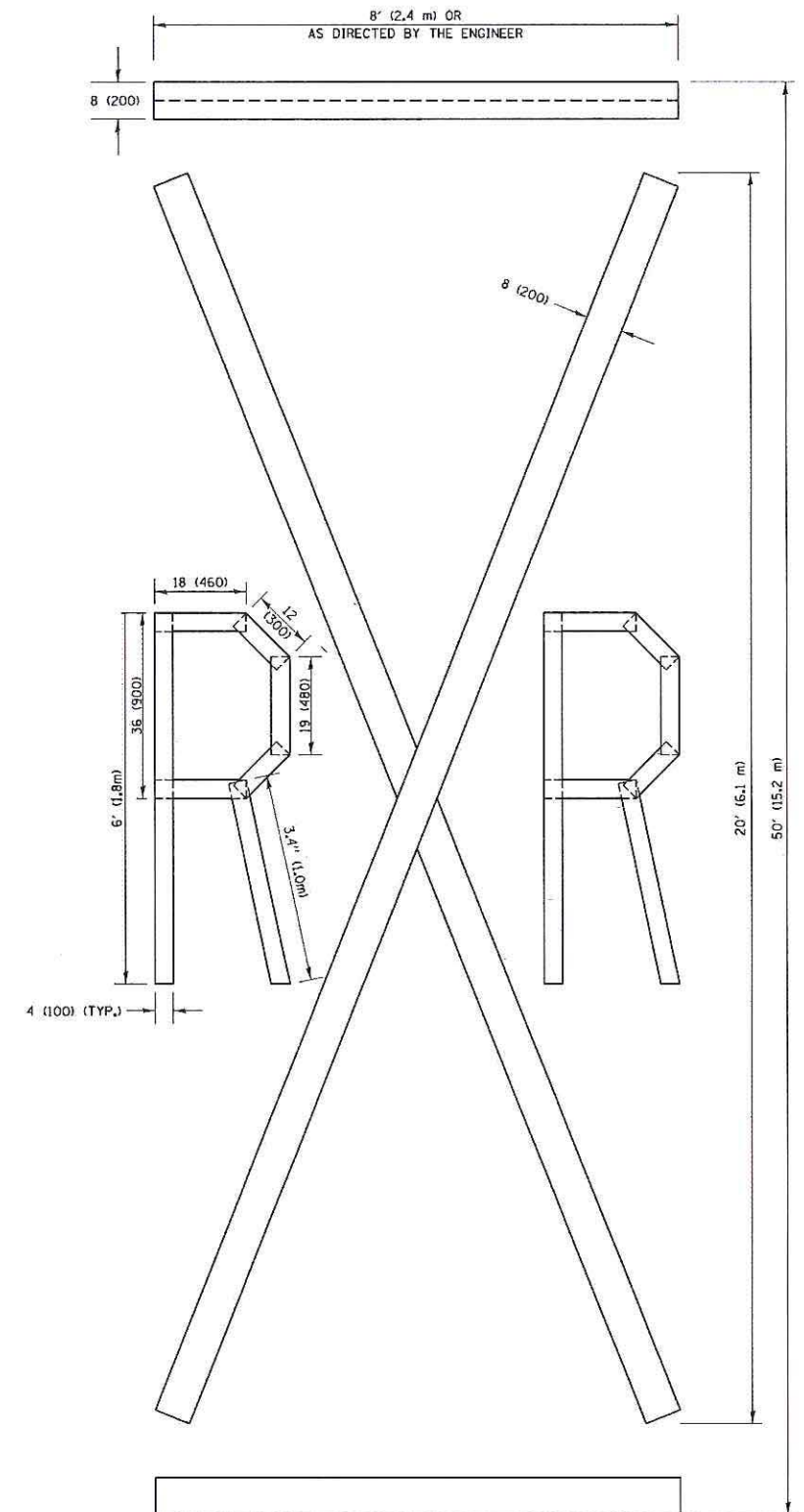


**QUANTITY**

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

**NOTE:**

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



**QUANTITY**

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

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

FILE NAME =	USER NAME = footm	DESIGNED -	REVISED -T, RAMMACHER 03-02-98
pwt\11684EB\IDINTEG\11\inois.gov\11DOT\Documents\11DOT\Offices\District 1\Projects\NDS\DRM\CADData\CADsheets\tcl6.dgn		CHECKED -	REVISED -E, GOMEZ 08-28-00
	PLOT SCALE = 50.0000 1/1 in.	CHECKED -	REVISED -E, GOMEZ 08-28-00
	PLOT DATE = 9/15/2016	DATE - 09-18-94	REVISED -A, SCHUETZE 09-15-16

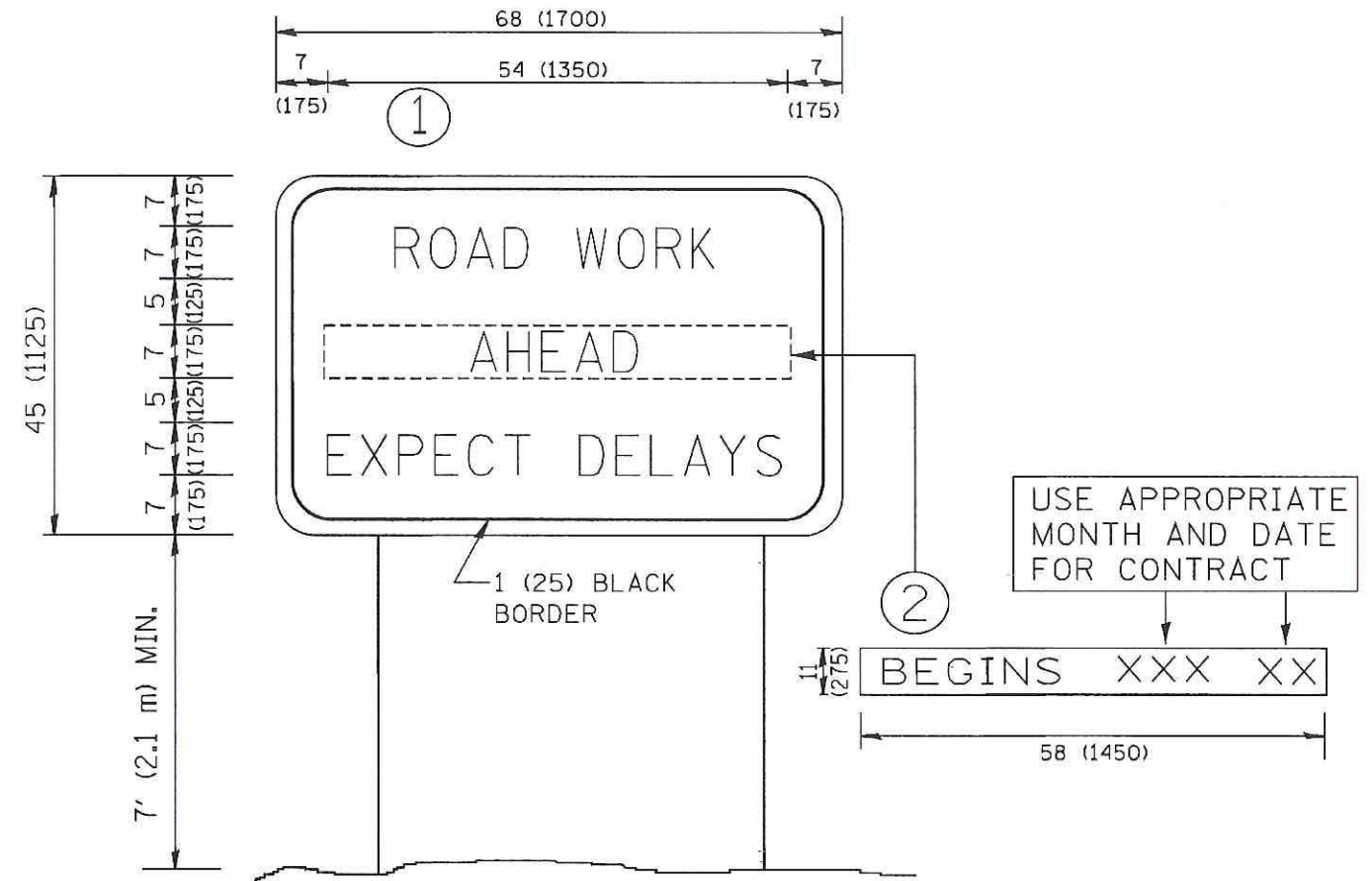
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	32
TC-16			CONTRACT NO. 61F01	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				





**NOTES:**

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

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

FILE NAME = W:\dststd\22x34\to22.dgn	USER NAME = geglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
		CHECKED -	REVISED - T. RAMMACHER 02-02-99
		DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD  
INFORMATION SIGN

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569	16-00174-00-RS	COOK	33	33
TC-22			CONTRACT NO. 61F01	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				