

**HIGHWAY STANDARDS**

280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-09	PAVEMENT JOINTS
420101-06	24' (7.2 m) JOINTED PCC PAVEMENT
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
602301-04	INLET, TYPE A
602306-03	INLET, TYPE B
602401-07	PRECAST MANHOLE, TYPE A, 4' (1.22 m) DIAMETER
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS, TYPE 1
604036-03	GRATE , TYPE 8
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
665001-02	WOVEN WIRE FENCE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-7	TYPICAL APPL. OF T.C.D. FOR RURAL LOC. HWYS. (2-LANE 2 WAY RURAL TRAFF.) (RD. CLOSED TO THRU TRAFF.)

**GENERAL NOTES**

- NOT ALL OF THE EXISTING WATER, SEWER, GAS, POWER AND/OR TELEPHONE LINES WHETHER ABOVE OR BELOW GROUND SURFACE HAVE BEEN SHOWN ON THE PLANS. THE LOCATION OF EXISTING UNDERGROUND UTILITIES HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR MUST ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER SHOWN OR NOT SHOWN, AND MUST REALIZE THAT THE ACTUAL LOCATION OF THE UTILITIES SHOWN ON THE PLANS MAY BE DIFFERENT FOR THE LOCATION INDICATED.
- ALL EXISTING UTILITIES ENCOUNTERED IN THE WORK SHALL BE MAINTAINED IN SERVICE BY THE CONTRACTOR. ANY UTILITY WHICH CAN BE MOVED WITHOUT UNDUE INTERRUPTION OF SERVICE DURING CONSTRUCTION TO CLEAR THE WORK, MAY BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE, UPON RECEIPT OF WRITTEN PERMISSION OF THE UTILITY OWNER. THE CONTRACTOR SHALL NOTIFY AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION THE OWNERS OF UTILITIES AND SHALL COORDINATE WITH THE UTILITY OWNERS TO PREVENT DAMAGE TO THEIR FACILITIES (J.U.L.I.E. 1-800-892-0123).
- WHEN PROPERTY, RIGHT-OF-WAY, BENCHMARKS AND LANDMARKS ARE ENCOUNTERED IN THE WORK, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE DISTURBING MONUMENTS. ALL MARKERS AND MONUMENTS SHALL BE PROTECTED UNTIL THE ENGINEER, LAND SURVEYOR, OR REPRESENTATIVE THEREOF HAS WITNESSED AND REFERENCED THEIR LOCATION. THEY SHALL BE REPLACED BY AN ILL. REG. LAND SURVEYOR.
- SELECT GRANULAR BACKFILL, TYPE A, SHALL BE PLACED AT FULL TRENCH DEPTH WHERE PROPOSED WATER AND SEWER MAIN CROSSES DRIVEWAYS, ROADWAYS AND/OR ORDERED BY THE ENGINEER. CASE V BACKFILL SHALL APPLY AT OTHER LOCATIONS.
- ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESEEDED IN ACCORDANCE WITH THE SPECIFICATIONS.
- ALL WATER AND SEWER MAIN CONSTRUCTION SHALL BE UPON PUBLIC RIGHT-OF-WAY OR PRIVATE EASEMENTS AS SHOWN.
- THE HORIZONTAL AND VERTICAL SEPARATION BETWEEN SANITARY SEWERS, STORM SEWER, COMBINED SEWERS, HOUSE SERVICE CONNECTIONS AND DRAINS AND WATER MAINS SHALL CONFORM TO 35 ILL. ADM. CODE, SEC. 653.119.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD SPECIFICATION FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS". 7TH EDITION, 2014, UNLESS OTHERWISE SHOWN OR NOTED.
- ELEVATIONS OF FINISHED GRADE ON MANHOLE CASTINGS TO BE FIELD ADJUSTED, WHEN NECESSARY.
- OPENING AND CLOSING OF EXISTING VALVES AND/OR STARTUP OR SHUTDOWN OF EXISTING SYSTEM SHALL BE DONE ONLY BY THE ENGINEER OR OWNER'S AUTHORIZED REPRESENTATIVE SO THAT EXISTING FACILITIES ARE NOT DAMAGED OR UNDULY INTERRUPTED.

- ALL WATER MAINS SHALL HAVE 36" MINIMUM COVER OVER TOP OF PIPE UNLESS OTHERWISE SPECIFIED
- FURNISH AND INSTALL READY MIX CONCRETE THRUST BLOCKS AT ALL WATER MAIN BENDS, PIPE ENDS, CHANGES IN PIPE DIRECTIONS AND AS NOTED.
- ALL DUCTILE IRON FITTINGS SHALL BE CEMENT MORTAR LINED IN ACCORDANCE WITH AWWA C104/A21.4
- WATER MAIN SHALL BE PRESSURE TESTED IN ACCORDANCE WITH SPECIFICATIONS PRIOR TO FINAL ACCEPTANCE, IN THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE. PRESSURE TEST AT 100 P.S.I.
- THE CONTRACTOR SHALL DISINFECT THE PROPOSED WATER MAIN IN ACCORDANCE WITH THE SPECIFICATIONS PRIOR TO FINAL ACCEPTANCE BACTERIOLOGICAL SAMPLES SHALL BE TAKEN IN THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE.
- WHERE PLUGS OR COUPLINGS ARE REMOVED FROM EXISTING MAINS, THEY SHALL BE TAGGED AND LOCATION IDENTIFIED AND TURNED OVER TO THE ENGINEER.
- COST FOR FITTINGS (SUCH AS TEES, ELBOWS, REDUCERS, CROSSES, ETC) SHALL BE INCLUDED WITH COST OF WATER MAINS AND SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.
- WATER MAIN PIPE MATERIALS SHALL BE POLYVINYL CHLORIDE (PVC) SDR-21 WITH 200 PSI RATED WORKING PRESSURE, COMPLYING WITH ASTM D-2241 WITH PUSH-ON JOINTS COMPLYING WITH ASTM D-3139. CONTRACTOR SHALL INSTALL A NO. 12 SOLID COPPER WIRE ALONG THE TOP OF THE WATER MAIN CONTINUOUS INTO ALL VALVE BOXES. COST TO BE INCLUDED WITH THE UNIT PRICE OF THE WATER MAIN.
- ALL STORM SEWER PIPING SHALL HAVE PREFORMED FLEXIBLE JOINT SEALANTS CONFORMING TO ASTM C990 WITH EXTERNAL SEALING BANDS CONFORMING TO ASTM C877. PRECAST SECTIONS SHALL CONSIST OF TONGUE AND GROVE JOINTS.
- VOIDS LEFT BY TREE REMOVAL SHALL BE BACKFILLED & COMPACTED WITH CLAY MATERIAL, TO THE SATISFACTION OF THE ENGINEER. THE TOP 6" SHALL BE BACKFILLED WITH TOPSOIL AND SEEDED. COST SHALL BE INCIDENTAL TO TREE REMOVAL.
- THE FOLLOWING APPLICATION RATES ARE USED TO ESTIMATE QUALITIES:  
 COMPACTED AGGREGATE = 2.1 TONS/ CU. YDS.  
 RIP -RAP = 1.5 TONS/ CU. YDS.  
 SEAL COAT AGGREGATE = 25 LB/ SQ. YDS.  
 BITUMINOUS MATERIALS = 0.25 GALLONS/ SQ. YDS.  
 HMA PAVEMENT = 112 LB/ SQ. YDS/ INCH
- MAILBOX RELOCATION SHALL BE INCIDENTAL TO THE CONTRACT SEE SPECIFICATIONS.
- SIGN STORAGE, RELOCATION, AND REINSTALLATION SHALL BE INCIDENTAL TO THE CONTRACT.
- STUMP REMOVAL SHALL BE INCIDENTAL TO CONTRACT
- DUE TO THE POSSIBILITY OF ENDANGERED/THREATENED SPECIES OR HABITAT, CLEARING OF TREES SHALL BE PROHIBITED FROM APRIL 1 THROUGH SEPTEMBER 30.
- WOODEN OR TELESCOPING STEEL SIGN SUPPORTS SHALL BE INCIDENTAL TO PAY ITEM 72000100 AND NO ADDITIONAL PAYMENT SHALL BE ALLOWED.

**BENCHMARKS**

BM NO.1 - TOP CENTER HEADBOLT ON IOWA FIRE HYDRANT ON WEST SIDE OF 7TH STREET AND ±400' SOUTH ENTRANCE TO BOST TRUCKING. AT BASELINE STATION ±17+40, 15' LT. (ELEV. - 411.94)	BM NO.4 - 2- 60d NAILS FOUND IN EAST SIDE OF POWER POLE ON WEST SIDE OF 7TH STREET AND ACROSS THE STREET FROM PLP BATTERY. AT BASELINE STATION ±29+30, 20' LT. (ELEV. - 403.58)	BM NO.7 - "□" CUT FOUND ON TOP OF NORTH END OF 18" CONC. CULVERT AT THE NORTHEAST CORNER OF 7TH STREET AND FUTURE LANE. AT BASELINE STATION ±41+90, 20' RT. (ELEV. - 408.02)
BM NO.2 - RAILROAD SPIKE FOUND IN SOUTHWEST SIDE OF POWER POLE ±60' WEST OF SOUTHWEST CORNER FAGER BUILDERS BUILDING. AT BASELINE STATION ±22+10, 55' RT. (ELEV. - 408.51)	BM NO.5 - TOP OF HEADBOLT NEXT TO "M" IN MUELLER OF FIRE HYDRANT ON THE SOUTH SIDE OF VENTURE LANE ±100' EAST OF 7TH STREET. AT BASELINE STATION ±36+40, 100' RT. (ELEV. - 401.39)	BM NO.8 - TOP OF HEADBOLT NEXT TO "M" IN MUELLER ON FIRE HYDRANT ON THE WEST SIDE OF 7TH STREET 75' SOUTH OF ALLIANCE AVE. AT BASELINE STATION ±49+75, 20' LT. (ELEV. - 412.14)
BM NO.3 - "□" CUT FOUND ON NORTHWEST CORNER CONC. PAD ON WEST SIDE OF CONTROL PANEL FOR SANITARY SEWER PUMP STATION SOUTH PLP BATTERY. AT STATION ±28+55, 60' RT. (ELEV. - 403.21)	BM NO.6 - 2-60d NAILS FOUND IN EAST SIDE OF POWER POLE ON THE WEST SIDE OF 7TH STREET AND ±200' SOUTH OF FUTURE LANE. AT BASELINE STATION ±39+30, 15' LT. (ELEV. - 405.61)	

**LEGEND**

□	- POWER POLE	GV O	- GAS VALVE	INV.	- INVERT	☀	- TREE
□	- UTILITY POLE	GM O	- GAS METER	FL	- FLOW LINE	⋯ 405 ⋯	- EXISTING CONTOUR
☀	- POWER POLE W/ LIGHT	— G —	- GAS LINE	FLG	- CURB FLAG	· 405 ·	- PROPOSED CONTOUR
— UE —	- UNDERGROUND ELECTRIC LINE	— CATV —	- UNDERGROUND CABLE TV CABLE	BC	- BACK OF CURB	— — —	- EXISTING RIGHT-OF-WAY LINE
⊕	- SANITARY SEWER & MANHOLE	— PL —	- PROPERTY LINE	EW	- EDGE OF WALK	— — —	- PROPOSED RIGHT-OF-WAY LINE
FH	- FIRE HYDRANT	— X —	- FENCE LINE	TW	- TOP OF WALL	— — —	- TEMPORARY CONSTRUCTION EASEMENT
WV O	- WATER VALVE	—	- SIGN	SHRUB	- SHRUB	▨	- CONCRETE/BRICK SIDEWALK (TO BE REMOVED)
WM O	- WATER METER	MB ●	- MAILBOX	FLOWERING PLANTS & BUSHES	- FLOWERING PLANTS & BUSHES	▨	- CONCRETE DRIVEWAY (TO BE REMOVED)
6" W	- WATER LINE	RCP	- REINFORCED CONCRETE PIPE CULVERT	ORNAMENTAL GRASS & PLANTS	- ORNAMENTAL GRASS & PLANTS	▨	- HMA SURFACE (TO BE REMOVED)
TP □	- TELEPHONE PEDESTAL	CMP	- CORRUGATED METAL PIPE CULVERT	BUSH	- BUSH	▨	- PROPOSED PCC SIDEWALK
— UT —	- UNDERGROUND TELEPHONE LINE	TC	- TOP OF CASTING	STUMP	- STUMP	▨	- PROPOSED PCC DRIVEWAY
		R.D.	- ROOF DRAIN			▨	- PROPOSED AGGREGATE DRIVEWAY

COMMITMENTS:		
PARCEL	OWNER	COMMITMENT
17, 19, 20	Robert Ellis	Ameren service placed underground. The homeowner will be responsible for the hookup to his distribution box. Construction entrance opposite parcel 17. No trees to be cut. Power poles to be moved to the other side of the road. The homeowner has requested that all ROW monuments are replaced if torn out in construction.
22	Zona Calhoun	The tree at 46+35 LT shall not be removed. The tree at 46+20 LT shall be removed.
37	Dan Bost	The home owner has indicated that a soil disposal area is available on their parcel. The area does not drain well and they would appreciate any additional soil
6	Kimberly McRoberts	Check with the homeowner before removal of any trees
7	Faye Lee	Check with the homeowner before removal of any trees.
21	Sherry Stephenson	Avoid removing the three Bradford pear trees, if possible.
32	Jerry Wright	New concrete shall extend to existing concrete.
25	Peggy Schott	Remove all trees within the easement area. Remove and dispose of pet cemetery.

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

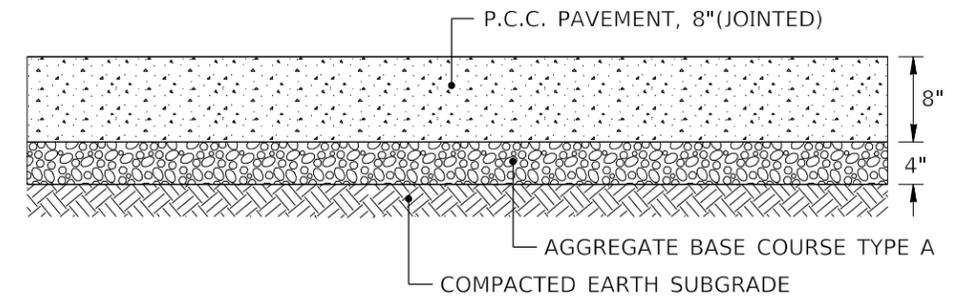
**GENERAL NOTES, LEGEND, HIGHWAY STANDARDS, COMMITMENTS,  
AND BENCHMARKS**

**J. T. BLANKINSHIP, INC.**  
CONSULTING ENGINEERS &  
LAND SURVEYORS  
ILLINOIS PROFESSIONAL  
DESIGN FIRM NO.1394

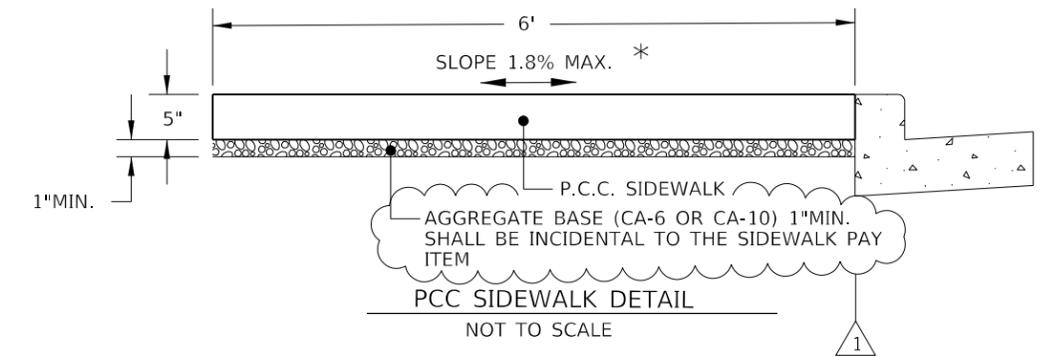
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PLOT SCALE = SCALES	DRAWN -	REVISED -
PLOT DATE = SDATES	CHECKED -	REVISED -
	DATE -	REVISED -

SCALE: N.T.S.	SHEET 2 OF 102 SHEETS	STA. TO STA.	F.A.U. RTE. 9684	SECTION 08-00074-00-R5	COUNTY JACKSON	TOTAL SHEETS 102	SHEET NO. 2
						CONTRACT NO. 99650	
						ILLINOIS FED. AID PROJECT	

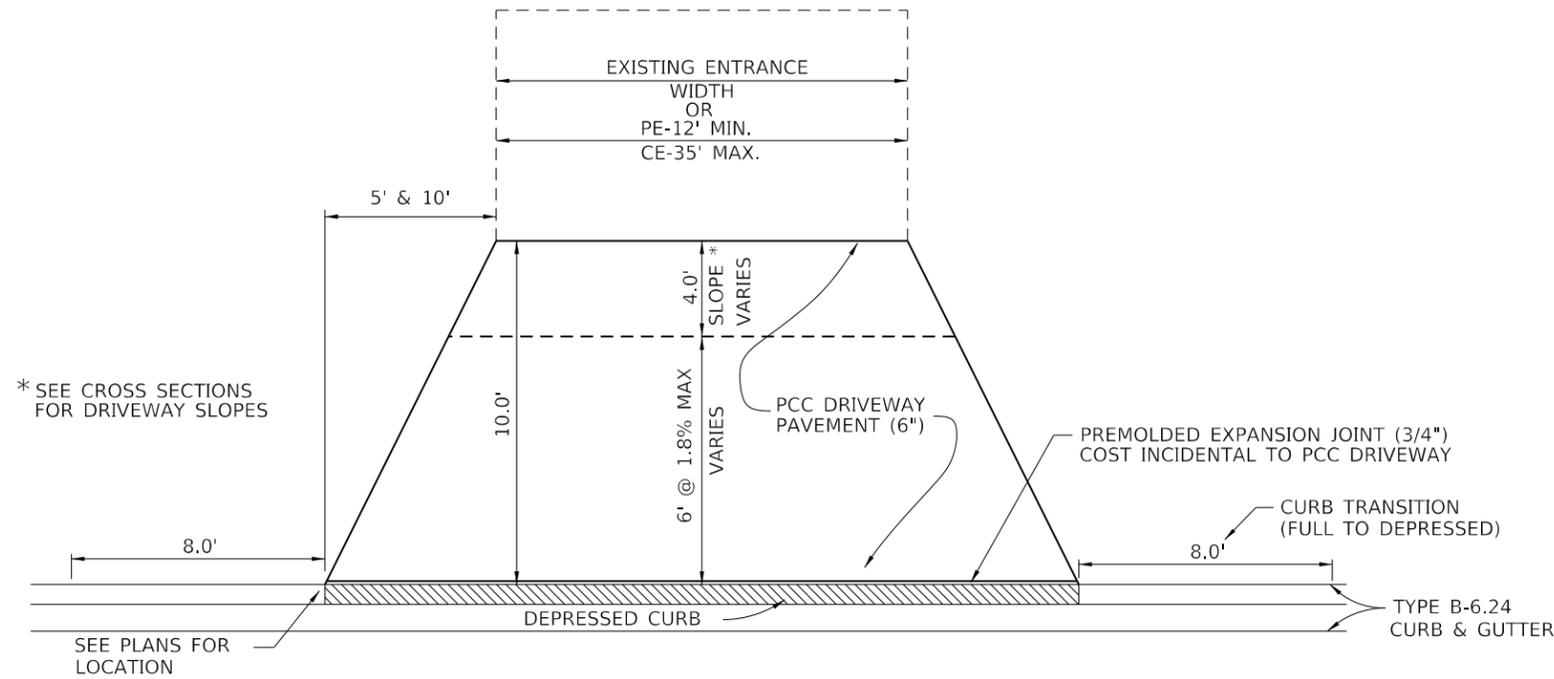
MODEL: M001E\M001E.MXD  
FILE NAME: 811E15



P.C.C. SIDEROAD PAVEMENT DETAIL  
NOT TO SCALE



P.C.C. SIDEWALK DETAIL  
NOT TO SCALE

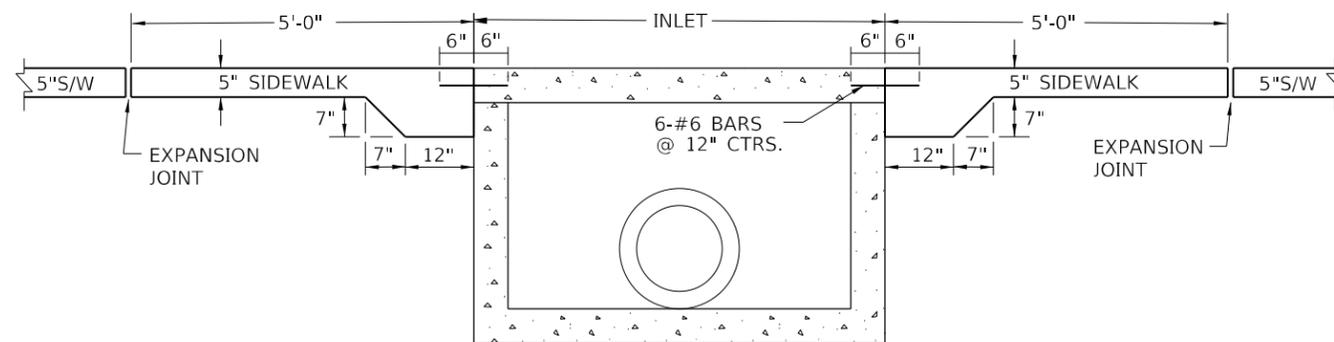


DETAIL OF P.C.C. DRIVEWAY PAVEMENT, 6 INCH  
NOT TO SCALE

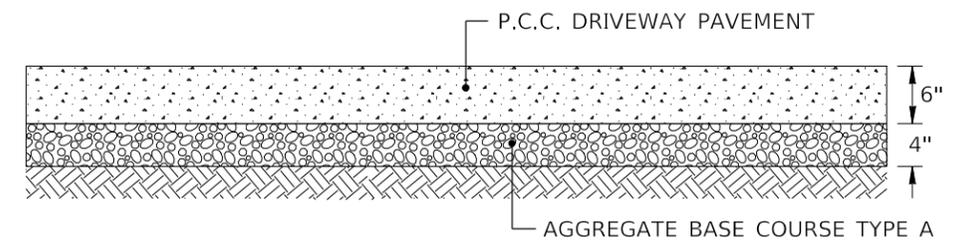
\* SEE CROSS SECTIONS FOR DRIVEWAY SLOPES

SEE PLANS FOR LOCATION

\* SEE CROSS SECTIONS FOR PERCENT AND DIRECTION OF SLOPE.



DETAIL - SIDEWALK JOINT @ INLET BOX W/ SIDEWALK THICKENING  
NOT TO SCALE



P.C.C. DRIVEWAY PAVEMENT - SECTION VIEW  
NOT TO SCALE

MODEL NUMBER: MAM16  
FILE NAME: 911E13

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PLOT SCALE = SCALES	DRAWN -	REVISED -	
PLOT DATE = SDATES	CHECKED -	REVISED -	
	DATE -	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MISCELLANEOUS DETAILS**  
SCALE: N.T.S. SHEET 22 OF 102 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9684	08-00074-00-R5	JACKSON	102	22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 99650	

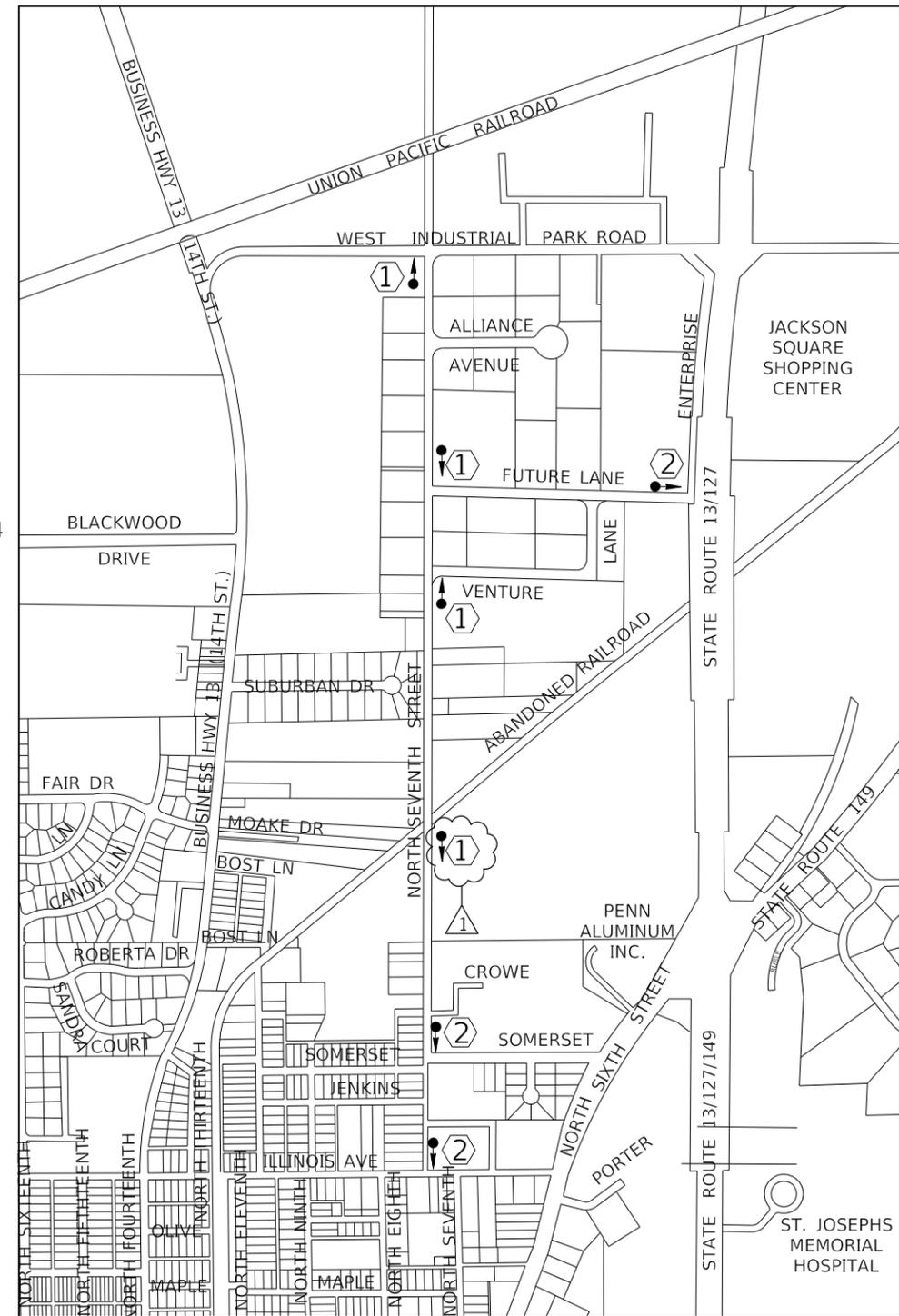
①  
ROAD CLOSED TO THRU TRAFFIC

R11-4 (60X30)  
BLACK ON WHITE  
MOUNTED ON LIGHTED  
TYPE III BARRICADE

②  
ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY

R11-3 (60X30)  
BLACK ON WHITE

1. SIGNS SHALL BE INSTALLED PER STANDARD 701901.
2. ALL SIGNS AND HARDWARE REQUIRED TO INSTALL THE DETOUR ROUTE SIGNING SHALL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION.
3. SIGNS SHALL BE REMOVED ON COMPLETION OF THE CONTRACT AT THE DIRECTION OF THE ENGINEER. THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 724 OF THE STANDARD SPECIFICATIONS. THE SIGNS AND POSTS SHALL BECOME PROPERTY OF THE CONTRACTOR.
4. THE RELOCATING MAINTENANCE OR REPLACEMENT OF SIGNS SHALL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.
5. EXACT SIGN PLACEMENT WILL BE DETERMINED BY THE ENGINEER.
6. SIGNS SHALL COMPLY WITH THE LATEST EDITION OF MUTCD AND ILLINOIS SUPPLEMENT TO THE MUTCD.



TRAFFIC CONTROL AND DETOUR ROUTE PLAN  
NOT TO SCALE

MODEL NUMBER: MAMES  
FILE NAME: 911123

**J. T. BLANKINSHIP, INC.**  
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PLOT SCALE = SCALES	DRAWN -	REVISED -	
PLOT DATE = SDATES	CHECKED -	REVISED -	
	DATE -	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

SCALE: 1" = 20' SHEET 59 OF 102 SHEETS STA. 20+00 TO STA. 56+18.56

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9684	08-0074-00-R5	JACKSON	102	59
CONTRACT NO. 99650				
ILLINOIS FED. AID PROJECT				