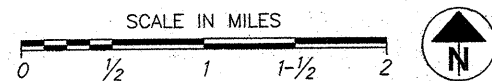


LOCATION MAP

LATITUDE: N 40°22'30" LONGITUDE: W 80°40'00"



PORTION TO BE IMPROVED	—————
INTERSTATE & DIVIDED HIGHWAY	—————
UNDIVIDED STATE & FEDERAL ROUTES	—————
OTHER ROADS	—————

DESIGN DESIGNATION

S.R. 43	
CURRENT ADT (2010)	N/A
DESIGN YEAR ADT (2030)	N/A
DESIGN HOURLY VOLUME (2030)	N/A
DIRECTIONAL DISTRIBUTION	N/A
TRUCKS (24 HOUR B&C)	N/A
DESIGN SPEED	35 MPH
LEGAL SPEED	35 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	URBAN ARTERIAL
NHS PROJECT	NO

DESIGN EXCEPTIONS:

NONE REQUIRED

PLAN PREPARED BY:



355 E. CAMPUS VIEW BOULEVARD
SUITE 250
COLUMBUS, OHIO 43235
614-847-4670 (TELEPHONE)
614-847-1648 (FAX)

**CITY OF STEUBENVILLE
DEPARTMENT OF PUBLIC WORKS**

**JEF-43-1.97
PART 1**

**SUNSET BOULEVARD
RESURFACING IMPROVEMENTS**

JEFFERSON COUNTY

CITY PROJECT NO. 2008-127

**FOR PART 2, SEE JEF-43-1.97 SUNSET BLVD. & JOHN SCOTT HIGHWAY
INTERSECTION SAFETY UPGRADE**

INDEX OF SHEETS:

TITLE SHEET	1
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Final Plans 4/5/10

STANDARD CONSTRUCTION DRAWINGS							SUPPLEMENTAL SPECIFICATIONS	
BP-2.1	7-18-08	MT-35.10	4-20-01	TC-65.10	1-21-05		800	4-16-10
BP-2.2	7-18-08	MT-95.31	7-17-09	TC-65.11	1-21-05		802	1-15-10
BP-2.5	7-18-08	MT-95.32	7-17-09	TC-71.10	1-15-10		832	5-05-09
BP-3.1	10-19-07	MT-95.41	4-17-09	TC-73.10	1-19-01			
BP-5.1	7-28-00	MT-99.20	1-16-09					
BP-7.1	1-19-07	MT-101.70	1-16-09					
		MT-101.90	1-16-09					
CB-2.1	7-15-05	MT-105.10	1-16-09					
CB-2.2	7-15-05							
I-1.2	7-15-05							
DM-1.4	4-21-06							
DM-4.4	4-17-09							
RM-4.2	10-19-07							
								SPECIAL PROVISIONS

ENGINEERS SEAL:



SIGNED: *Kevin J. Grathwol*
DATE: *3/29/10*

PROJECT DESCRIPTION

MILLING AND RESURFACING 2.3 MILES OF S.R. 43 (SUNSET BOULEVARD) FROM JUST WEST OF LINDUFF AVENUE TO THE CITY'S WEST CORPORATION LIMIT. IMPROVEMENTS INCLUDE INSTALLATION OF ADA-COMPLIANT CURB RAMPS, REPAIR/REPLACEMENT OF DETERIORATED DRAINAGE STRUCTURES, AND PLACEMENT OF UPGRADED THERMOPLASTIC PAVEMENT MARKINGS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA = N/A (MAINTENANCE PROJECT)
ESTIMATED CONTRACTOR EARTH DISTURBED AREA = N/A (MAINTENANCE PROJECT)
NOTICE OF INTENT EARTH DISTURBED AREA = N/A (MAINTENANCE PROJECT)

2008 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED *[Signature]*
DATE *3/30/10* STEUBENVILLE CITY ENGINEER

APPROVED *[Signature]*
DATE *03.30.10* STEUBENVILLE CITY MANAGER

UNDERGROUND UTILITIES
CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG
CALL
1-800-362-2764
(TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY
OIL & GAS PRODUCERS PROTECTIVE
SERVICE CALL: 1-800-925-0988

FEDERAL PROJECT NO.
E091281

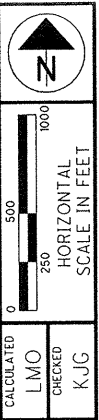
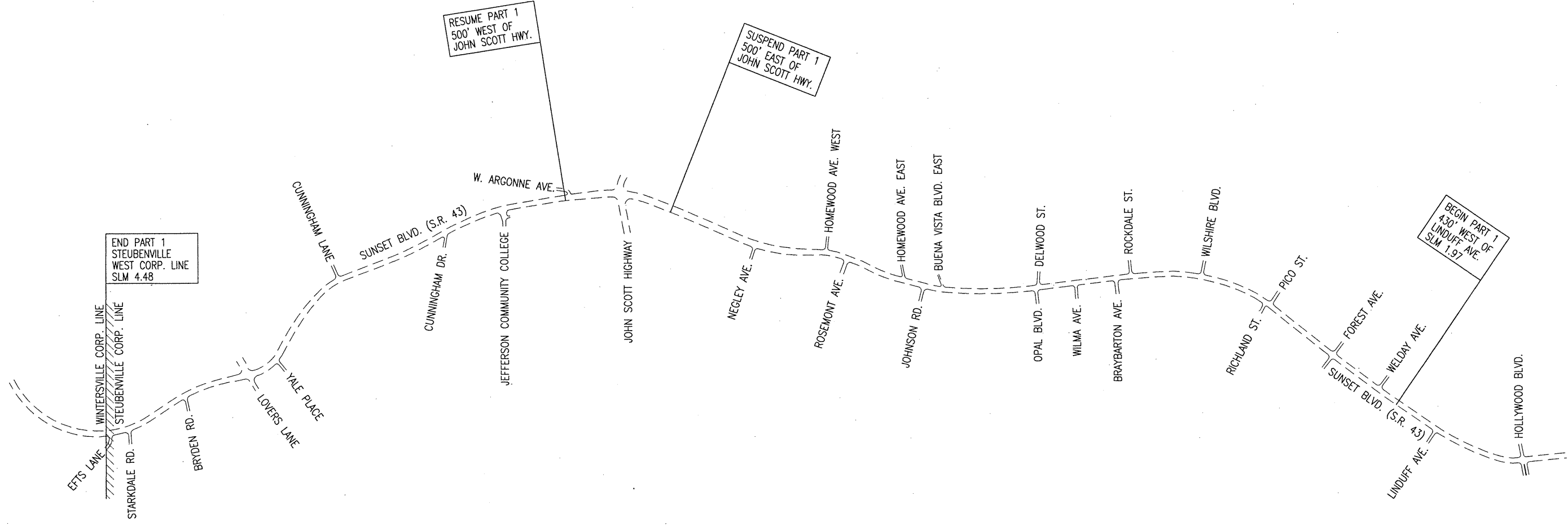
PID NO.
25577

PROJECT NUMBER

RAILROAD INVOLVEMENT
NONE

JEF-43-1.97

1
16



CALCULATED	LMO	CHECKED	KJG
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SCHEMATIC PLAN

JEF-43-1.97

GENERAL

A PRECONSTRUCTION CONFERENCE SCHEDULED BY THE CITY OF STEUBENVILLE ENGINEER SHALL BE HELD PRIOR TO ANY WORK STARTING. IN ADDITION THE CONTRACTOR SHALL PROVIDE (2) TWO WORKING DAYS NOTICE TO THE CITY OF STEUBENVILLE ENGINEER PRIOR TO BEGINNING WORK TO ARRANGE FOR INSPECTION.

EXISTING DATA

EACH CONTRACTOR SHALL VISIT THE SITE PERSONALLY TO ASCERTAIN THE NATURE OF THE WORK AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE SITE PRIOR TO BID SUBMISSION.

EXISTING STRUCTURES, GRADES, PIPING, ETC. ARE INDICATED IN APPROXIMATE LOCATION ON THE PLAN. INFORMATION SHOWN IS NOT GUARANTEED TO BE CORRECT AND COMPLETE. THE DATA SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. THE EXISTENCE OF FACILITIES ABOVE OR BELOW GROUND, WHICH MAY NOT BE SHOWN, WILL NOT BE A BASIS FOR A CLAIM FOR EXTRA WORK.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

COLUMBIA GAS OF OHIO CITY OF STEUBENVILLE
300 LURAY DRIVE 238 S. LAKE ERIE AVE.
WINTERSVILLE, OH 43953 STEUBENVILLE, OH 43952
740-266-2125 740-283-6041

AMERICAN ELECTRIC POWER AT&T-OHIO
110 JOHN SCOTT HIGHWAY 3935 NORTHPOINTE DRIVE
STEUBENVILLE, OH 43952 ZANESVILLE, OH 43701
740-266-3026 740-454-3455

COMCAST JEFFERSON COUNTY ENGINEER
100 WELDAY STREET, SUITE A 3826 COUNTY ROAD 75
WINTERSVILLE, OH 43953 BERGHOLZ, OH 43908
740-346-2265 740-768-2140

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. DUE TO THE NATURE OF THE WORK REQUIRED BY THIS PROJECT, THIS PLAN WAS DEVELOPED VIA EXISTING PLAN INFORMATION OBTAINED FROM THE CITY OF STEUBENVILLE IN LIEU OF DETAILED FIELD SURVEY. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT, OTHER THAN REPLACEMENT OF DRAINAGE STRUCTURES IN KIND, WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER OR ADJACENT TO THE WORK AREA.

AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE OHIO UTILITY PROTECTION SERVICE (1-800-362-2764) AND THE OWNERS OF EACH UNDERGROUND UTILITY FACILITY SHOWN IN THE PLANS. THE OWNER OF THE UNDERGROUND UTILITY FACILITY SHALL WITHIN FORTY EIGHT HOURS, EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, AFTER NOTICE IS RECEIVED, STAKE, MARK, OR OTHERWISE DESIGNATE THE LOCATION OF THE UNDERGROUND UTILITY FACILITIES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO INDICATE THEIR COURSE TOGETHER WITH APPROXIMATE DEPTH AT WHICH THEY WERE INSTALLED. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF THE PLANNED CONSTRUCTION.

STANDARD CONSTRUCTION DETAILS

STANDARD CONSTRUCTION DETAILS FOR "ODOT" ITEMS ARE AVAILABLE FROM THE OHIO DEPARTMENT OF TRANSPORTATION WEB SITE AT THE FOLLOWING ADDRESS:
HTTP://WWW.DOT.STATE.OH.US/DRRC

STANDARD CONSTRUCTION DETAILS FOR "CITY STD." ITEMS ARE INCLUDED IN THE SPECIFICATION BOOK.

INSPECTION, TESTING, PAYMENT

ALL IMPROVEMENT WORK PERFORMED BY THE CONTRACTOR SHALL BE IMMEDIATELY INSPECTED FOLLOWING COMPLETION AND THE CONTRACTOR SHALL SCHEDULE ALL WORK REQUIRED IN A MANNER WHICH WILL MAKE POSSIBLE COMPLETE INSPECTION OF THE WORK INCLUDING TESTING. NO ESTIMATE FOR PAYMENT WILL BE PREPARED FOR WORK WHICH HAS NOT BEEN INSPECTED AND LOGGED BY THE ENGINEER IN ANY AND ALL RESPECTS AND THIS CONDITION WILL NOT BE WAIVED BY THE OWNER UNDER ANY CIRCUMSTANCES.

FAILURE OR NEGLIGENCE ON THE PART OF THE ENGINEER TO CONDEMN OR REJECT INFERIOR WORK OR MATERIALS SHALL NOT BE CONSTRUED TO IMPLY ACCEPTANCE OF SUCH WORK OR MATERIALS IF SUCH BAD OR INFERIOR MATERIALS OR WORK BECOME EVIDENT AT ANY TIME PRIOR TO FINAL ACCEPTANCE OF THE WORK AND THE RELEASE OF THE CONTRACTOR BY THE OWNER. NOR SHALL IT BE CONSTRUED AS BARRING THE OWNER AT ANY SUBSEQUENT TIME FROM RECOVERY OF DAMAGES IN SUCH SUM OF MONEY AS MAY BE NEEDED TO BUILD ANEW ALL PORTIONS OF THE WORK IN WHICH FRAUD WAS PRACTICED OR IMPROPER MATERIALS HIDDEN, WHENEVER FOUND.

SAFETY PROCEDURES

THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS DURING ALL PHASES OF CONSTRUCTION.

NOTIFICATION OF SAFETY FORCES

THE CONTRACTOR SHALL NOTIFY THE CITY POLICE AND FIRE DEPARTMENTS AND LOCAL SCHOOL DISTRICT TRANSPORTATION SUPERVISOR AT LEAST 48 HOURS IN ADVANCE OF ANY TRAFFIC CHANGE.

PRESERVATION OF PROPERTY CORNERS AND SURVEY MARKERS

THE CONTRACTOR SHALL PRESERVE ALL CORNERSTONES, IRON PINS, CONCRETE MONUMENTS OR ANY TYPE OF LAND MONUMENT. HE SHALL HAVE ALL LAND MONUMENTS IN THE PROXIMITY OF THE WORK REFERENCED. HE SHALL REPLACE DESTROYED OR DAMAGED MONUMENTS AND SHALL FURNISH A CERTIFICATION BY AN OHIO REGISTERED SURVEYOR THAT THE MONUMENTS HAVE BEEN RESTORED.

USE OF PRIVATE PROPERTY

THE CONTRACTOR CAN USE PRIVATE PROPERTY FOR THE STORAGE OF EQUIPMENT AND MATERIALS ONLY WITH A WRITTEN AGREEMENT WITH THE PROPERTY OWNER. THE CONTRACTOR SHALL PROVIDE THIS AGREEMENT TO THE ENGINEER PRIOR TO ANY USE OF PRIVATE PROPERTY.

ITEM 608 - CURB RAMP, AS PER PLAN

THIS ITEM SHALL CONFORM TO THE REQUIREMENTS OF ODOT ITEM 608 WITH MODIFICATIONS AS PER THE CITY OF STEUBENVILLE GENERAL SPECIFICATION FOR FIBROUS CONCRETE ALONG WITH ADDITIONAL REQUIREMENTS AS PER THE CITY OF STEUBENVILLE SPECIFICATIONS FOR SIDEWALK.

ALL NEW WALK AND CURB RAMPS SHALL BE INSTALLED OVER A 3" THICK LAYER OF ITEM 304, AGGREGATE BASE. THE COST OF SAID AGGREGATE BASE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 608, CURB RAMP, AS PER PLAN.

MANHOLES AND VALVE BOXES ADJUSTED TO GRADE

THE FOLLOWING CONTINGENCY QUANTITIES HAVE BEEN PROVIDED IN THE PLANS FOR USE AS DIRECTED BY THE ENGINEER:

- ITEM 604, MANHOLE ADJUSTED TO GRADE 12 EACH
- ITEM 638, VALVE BOX ADJUSTED TO GRADE 5 EACH

ITEM 442, ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE B (448), AS PER PLAN

COURSE AGGREGATE USED IN ITEM 442, ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE B (448), AS PER PLAN, SHALL BE AIR-COOLED BLAST FURNACE SLAG.

CONTRACTOR'S RESPONSIBILITIES

CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK COMPETENTLY AND EFFICIENTLY DEVOTING SUCH ATTENTION THERETO AND APPLYING SUCH SKILLS AND EXPERTISE AS MAY BE NECESSARY TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION. CONTRACTOR SHALL NOT BE RESPONSIBLE FOR THE NEGLIGENCE OF OTHERS IN THE DESIGN OR SELECTION OF A SPECIFIC MEANS, METHOD, TECHNIQUE, SEQUENCE OR PROCEDURE OF CONSTRUCTION WHICH IS INDICATED IN AND REQUIRED BY THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO SEE THAT THE FINISHED WORK COMPLIES ACCURATELY WITH THE CONTRACT DOCUMENTS. CONTRACTOR SHALL KEEP ON THE WORK AT ALL TIMES DURING ITS PROGRESS A COMPETENT RESIDENT SUPERINTENDENT, WHO SHALL NOT BE REPLACED WITHOUT WRITTEN NOTICE TO OWNER AND ENGINEER EXCEPT UNDER EXTRAORDINARY CIRCUMSTANCES. THE RESIDENT MUST BE PRESENT DURING ALL WORK, THIS NOT ONLY INCLUDES THE CONTRACTOR'S WORK BUT ALSO ALL OF HIS SUB-CONTRACTORS WORK. THE SUPERINTENDENT WILL BE THE CONTRACTOR'S REPRESENTATIVE AT THE SITE AND SHALL HAVE AUTHORITY TO ACT ON BEHALF OF CONTRACTOR. ALL COMMUNICATIONS GIVEN TO THE SUPERINTENDENT SHALL BE BINDING AS IF GIVEN TO THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE AT LEAST THREE (3) RESPONSIBLE WORKERS FROM THE PROJECT TO ANSWER EMERGENCY CALLS (AND THE CALL ORDER IN WHICH THEY RECEIVED SUCH CALLS) AND PERFORM EMERGENCY SERVICE DURING NON-WORKING HOURS FOR ANY CONDITION RESULTING FROM THE CONTRACTORS CONSTRUCTION ACTIVITIES WHICH REPRESENT A HAZARD TO THE PUBLIC. THESE WORKERS SHALL BE PROVIDED WITH PRIVATE TELEPHONE SERVICE TO BE USED EXCLUSIVELY FOR THIS PURPOSE AND SHALL MAKE THEMSELVES AVAILABLE AT ANY TIME OF THE DAY OR NIGHT AND ANY DAY OF THE WEEK FOR THIS EMERGENCY WORK. THESE WORKERS SHALL ALSO BE PROVIDED WITH A PROPER VEHICLE, SUPPLIES AND MATERIALS AND BE GIVEN SUFFICIENT AUTHORITY TO ADEQUATELY PERFORM THIS EXTENDED ASSIGNMENT.

EXISTING PLANS

EXISTING PLANS ENTITLED JEF-22-12.19, JEF-22-12.21, JEF-22-13.27 AND SUNSET BLVD. (STATE ROUTE 43) & JOHNSON ROAD INTERSECTION MAY BE INSPECTED IN THE CITY ENGINEER'S OFFICE IN STEUBENVILLE.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PREVIOUS CONSTRUCTION PLANS (NOTED ABOVE) SHOWING THE ORIGINAL ALIGNMENT AND PROFILE, ARE AVAILABLE FOR INSPECTION AT THE CITY OF STEUBENVILLE. PERFORM PROPOSED ASPHALT PLANING OPERATIONS AND PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY WITH A UNIFORM THICKNESS AS SHOWN ON THE TYPICAL SECTIONS.

ITEM 653, TOPSOIL FURNISHED AND PLACED

TOPSOIL (4" DEPTH) SHALL BE FURNISHED AND PLACED IN GRASS AREAS DISTURBED DURING CURB RAMP CONSTRUCTION.

THE FOLLOWING QUANTITY IS PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

- ITEM 653, TOPSOIL FURNISHED AND PLACED 45 CU. YD.

ITEM 659, SEEDING AND MULCHING, CLASS 1, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF SEEDING AND MULCHING, FERTILIZING AND WATERING IN ACCORDANCE WITH ITEM 659 OF ALL GRASS AREAS DISTURBED DURING CURB RAMP CONSTRUCTION.

PAYMENT FOR ALL OF THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 659, SEEDING AND MULCHING, CLASS 1, AS PER PLAN.

THE FOLLOWING QUANTITY IS PROVIDED FOR THE WORK NOTED ABOVE:

- ITEM 659, SEEDING AND MULCHING, CLASS 1, AS PER PLAN 400 SQ. YD.

ITEM 202, INLET REMOVED, AS PER PLAN

THIS ITEM SHALL CONSIST OF REMOVAL OF THE UPPER BOX OF THE EXISTING INLETS. IT IS ANTICIPATED THAT THE EXISTING STRUCTURE'S SUMP SECTION AND STORM SEWER PIPE(S) SHALL NOT BE DISTURBED.

ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 202, INLET REMOVED, AS PER PLAN.

ITEM 604, INLET NO. 2-A-(BY SIZE), AS PER PLAN

THIS ITEM SHALL CONSIST OF REPLACEMENT OF THE UPPER BOX OF THE EXISTING INLETS WITH A STRUCTURE OF THE SAME SIZE, AS IDENTIFIED IN THE PLANS AND DETAILED ON STANDARD CONSTRUCTION DRAWING I-1.2. CURB AND GUTTER REPLACEMENT WITHIN THE LIMITS OF THE INLET STRUCTURE SHALL BE INCLUDED UNDER THIS ITEM. IT IS ANTICIPATED THAT THE EXISTING STRUCTURE'S SUMP SECTION AND STORM SEWER PIPE(S) SHALL NOT BE DISTURBED. IF DETERIORATED SUMP WALLS ARE ENCOUNTERED UPON REMOVAL OF THE UPPER BOX, THE CONTRACTOR SHALL REPAIR THE DETERIORATED WALLS AS DIRECTED BY THE ENGINEER. ANY ABUTTING SIDEWALK DISTURBED AS A RESULT OF INLET CONSTRUCTION OPERATIONS SHALL BE REPLACED AS DIRECTED BY THE ENGINEER.

ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 604, INLET, NO. 2-A-(BY SIZE), AS PER PLAN.

ITEM 604, CATCH BASIN, NO. 3 (3A), AS PER PLAN

IN ORDER TO ACCOMMODATE EXISTING PIPE SIZES, INVERTS, AND CONFIGURATIONS, ALL CATCH BASINS SHALL BE CAST-IN-PLACE.

ANY ABUTTING SIDEWALK DISTURBED AS A RESULT OF CATCH BASIN CONSTRUCTION OPERATIONS SHALL BE REPLACED AS DIRECTED BY THE ENGINEER.

ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 604, CATCH BASIN, NO. 3 (3A), AS PER PLAN.

PAVEMENT RESTORATION FOR DRAINAGE STRUCTURE INSTALLATIONS

THE FOLLOWING QUANTITY IS PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION OF ITEM 604, CATCH BASIN, NO. 3 (3A), AS PER PLAN.

- ITEM 305, 9" CONCRETE BASE 45 SQ. YDS.

THE ABOVE QUANTITY IS BASED ON A 305 THICKNESS OF NINE INCHES AND A WIDTH OF TWO FEET AROUND THE PERIMETER OF THE DRAINAGE STRUCTURE.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

CALCULATED LMO CHECKED KJC

GENERAL NOTES

JEF-43-1.97

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ITEM 614. MAINTAINING TRAFFIC

ALL LANES SHALL BE OPEN TO TRAFFIC DURING PERIODS OF TIME THAT THE CONTRACTOR IS NOT WORKING.

DURING PERIODS OF TIME WHEN THE CONTRACTOR IS WORKING WITHIN OR ADJACENT TO THE ROADWAY, A MINIMUM OF ONE (1) LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT AND THE COMPLETED PAVEMENT. REQUIRED LANE CLOSURES SHALL BE IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWINGS MT-95.31 AND MT-95.32. ALL TRAFFIC LANES SHALL BE RE-OPENED TO TRAFFIC AT THE END OF THE WORKING DAY.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

ALL PERMANENT AND TEMPORARY PAVEMENT MARKINGS ARE TO BE MAINTAINED THROUGHOUT THE PROJECT. ANY DAMAGED OR FADED PAVEMENT MARKINGS SHALL BE CORRECTED WITHIN EIGHT HOURS AFTER THE CONTRACTOR'S NOTIFICATION OF THE PROBLEM. IF WEATHER IS NOT CONDUCIVE TO PAVEMENT MARKING INSTALLATION, THEN REPAIRS SHALL BE MADE ON THE FIRST WEATHER PERMISSIVE DAY AFTER NOTIFICATION.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

FLOODLIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

COORDINATION OF RESURFACING AND PLANING OPERATIONS

ONCE THE PAVEMENT PLANING OPERATION HAS BEGUN, IT SHALL PROCEED CONTINUOUSLY UNTIL ALL ELEMENTS OF THE WORK ASSOCIATED WITH THE PAVEMENT PLANING OPERATION ARE COMPLETED. THE PAVEMENT PLANING OPERATION SHALL BE COMPLETED IN A TIMELY MANNER AS DIRECTED BY THE ENGINEER. IN ORDER TO MEET THE REQUIREMENTS OF STANDARD CONSTRUCTION DRAWING MT-101.90 (DROP-OFFS IN WORK ZONES) AND BETTER MAINTAIN THE INTEGRITY OF THE UNDERLYING PAVEMENT, PLACEMENT OF THE INTERMEDIATE RESURFACING COURSE SHALL PROCEED IN A CONTINUOUS OPERATION BEHIND THE PAVEMENT PLANING OPERATION, SUCH THAT THE PLANED SURFACE IS EXPOSED TO TRAFFIC NO MORE THAN ONE (1) DAY PRIOR TO PLACEMENT OF THE INTERMEDIATE RESURFACING COURSE.

THROUGHOUT RESURFACING OPERATIONS, THE CONTRACTOR SHALL PROTECT EXPOSED MANHOLE CASTINGS VIA MANHOLE PROTECTOR RINGS OR ASPHALT WEDGES.

ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP). IN GENERAL, LEOS SHOULD BE POSITIONED AT THE POINT OF LANE RESTRICTION OR ROAD CLOSURE AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH INTERSECTIONS IN WORK ZONES.

WHEN CONSTRUCTION VEHICLES ARE ENTERING/EXITING THE ZONE DIRECTLY FROM/INTO AN OPEN LANE OF TRAFFIC. IF A LANE HAS BEEN CLOSED TO PROVIDE AN ACCELERATION/ DECELERATION LANE FOR THE VEHICLE, THE LEO WILL NOT BE REQUIRED.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. ONCE THE LEO HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THESE SERVICES WITH:

CITY OF STEUBENVILLE POLICE DEPARTMENT
123 SOUTH 3RD STREET
STEUBENVILLE, OHIO 43952
TEL. (740) 283-6000, EXT. 2300 - MAIN LINE
TEL. (740) 283-6000, EXT. 2900 - EMERGENCY ONLY POLICE DISPATCH (OR 911)

LEOS WITH PATROL CAR REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 100 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

WORK ZONE MARKINGS AND SIGNS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS AND SIGNS PER THE REQUIREMENTS OF CMS 614.04 AND 614.11.

ITEM 614, WORK ZONE CENTER LINE, CLASS II 2.46 MILES
ITEM 614, WORK ZONE LANE LINE, CLASS II 4.57 MILES
ITEM 614, WORK ZONE STOP LINE, CLASS I 817 FEET
ITEM 614, WORK ZONE CHANNELIZING LINE, CLASS I 365 FEET
ITEM 614, WORK ZONE DOTTED LINE, CLASS I 120 FEET

PROVIDING CONTINUOUS ACCESS TO RESIDENCES AND BUSINESSES

INGRESS AND EGRESS TO INDIVIDUAL PROPERTIES LOCATED WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED AT ALL TIMES. PROPERTIES WITH MULTIPLE DRIVES MAY HAVE ONE DRIVE CLOSED AT A TIME WHILE WORK IS PERFORMED IN THE AREA OF THE CLOSED DRIVE. IF DRIVEWAY CLOSURE IS NECESSARY TO ENABLE WORK ON OR IN FRONT OF A DRIVEWAY, THE CONTRACTOR SHALL GIVE THE PROPERTY OWNER NOTIFICATION 48 HOURS IN ADVANCE OF SUCH CLOSURE AND SHALL MAKE EVERY EFFORT TO ACCOMMODATE THE OWNER'S NEED FOR ACCESS. CLOSURE IS PERMITTED ONLY DURING WORK HOURS AND ACCESS MUST BE RETURNED AT THE END OF EACH WORKING DAY.

FAILURE TO COMPLY

FOR ANY FAILURE TO COMPLY WITH PROVISIONS FOR TRAFFIC CONTROL SET OUT IN THESE PLANS AND NOTES OR WITH THE PROVISIONS OF THE MANUAL, THE ROADWAY IN THE VICINITY OF THE WORK AREA SHALL BE CONSIDERED IN A CONDITION UNACCEPTABLE FOR THE SAFETY AND CONVENIENT USE BY THE TRAVELING PUBLIC. ANY FAILURE TO KEEP THE ROADWAY IN THE VICINITY OF THE WORKING AREA IN A CONDITION ACCEPTABLE FOR THE SAFE AND CONVENIENT USE BY THE TRAVELING PUBLIC SHALL BE CONSIDERED A BREACH OF THIS CONTRACT. WORK SHALL BE SUSPENDED UNTIL THE CONTRACTOR COMPLIES WITH THE PROVISIONS OF THE AFOREMENTIONED ITEMS.

COOPERATION BETWEEN CONTRACTORS / CONSTRUCTION SEQUENCE

CURRENT WITH THIS PROJECT, THE CITY OF STEUBENVILLE WILL BE COMPLETING TRAFFIC SIGNAL IMPROVEMENTS UNDER SEPARATE PROJECT JEF-43-1.09 THAT WILL REPLACE ALL EXISTING LOOP DETECTION FROM BELLEVIEW BOULEVARD TO LOVERS LANE WITH VIDEO DETECTION. SAID PLANS REQUIRE THE SIGNAL CONTRACTOR TO COMPLETE WORK ON CLOSED LOOP SYSTEM "A" THAT EXTENDS FROM RICHLAND AVENUE TO LOVERS LANE PRIOR TO BEGINNING WORK ON SYSTEM "B" THAT IS BEYOND THE LIMITS OF THE PROPOSED RESURFACING IMPROVEMENTS. IN ADDITION, THE SIGNAL PLANS DIRECT THE CONTRACTOR TO COMPLETE WORK AT THE HIGH TRAFFIC VOLUME INTERSECTIONS OF JOHN SCOTT HIGHWAY AND LOVERS LANE (JOHNSON ROAD INTERSECTION ALREADY INCLUDES VIDEO DETECTION) PRIOR TO WORKING AT THE REMAINING SECONDARY INTERSECTIONS.

IN ORDER TO MINIMIZE DISRUPTION OF THE SR-43 TRAFFIC SIGNAL SYSTEM DURING CONSTRUCTION OF THESE IMPROVEMENTS, THE CONTRACTOR SHALL NOT BEGIN PAVEMENT PLANING AND RESURFACING OPERATIONS PRIOR TO AUGUST 1, 2010. FURTHERMORE, THE CONTRACTOR SHALL BEGIN PAVEMENT PLANING AND RESURFACING AT THE EAST END OF THE PROJECT AND PROCEED WEST. IT IS THE INTENT OF THE CITY TO HAVE VIDEO DETECTION IMPROVEMENTS COMPLETED AND OPERATIONAL AT THE INTERSECTIONS OF JOHN SCOTT HIGHWAY AND LOVERS LANE PRIOR TO PAVING OPERATIONS REMOVING THE EXISTING LOOPS AT THOSE INTERSECTIONS. OTHER INTERSECTIONS MAY REQUIRE THE SIGNALS TO TEMPORARILY OPERATE IN A PRE-TIMED MODE BETWEEN THE TIME DETECTION LOOPS ARE SEVERED AND NEWLY INSTALLED VIDEO DETECTION IS ACTIVATED.

IN ACCORDANCE WITH SECTION 105.08 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, SEPARATE CONTRACTORS WORKING WITHIN THE LIMITS OF THE PROJECT SHALL CONDUCT THEIR WORK WITHOUT INTERFERING WITH OR HINDERING THE PROGRESS OR COMPLETION OF WORK BEING PERFORMED BY OTHER CONTRACTORS AND SHALL COOPERATE WITH EACH OTHER AS DIRECTED BY THE ENGINEER.

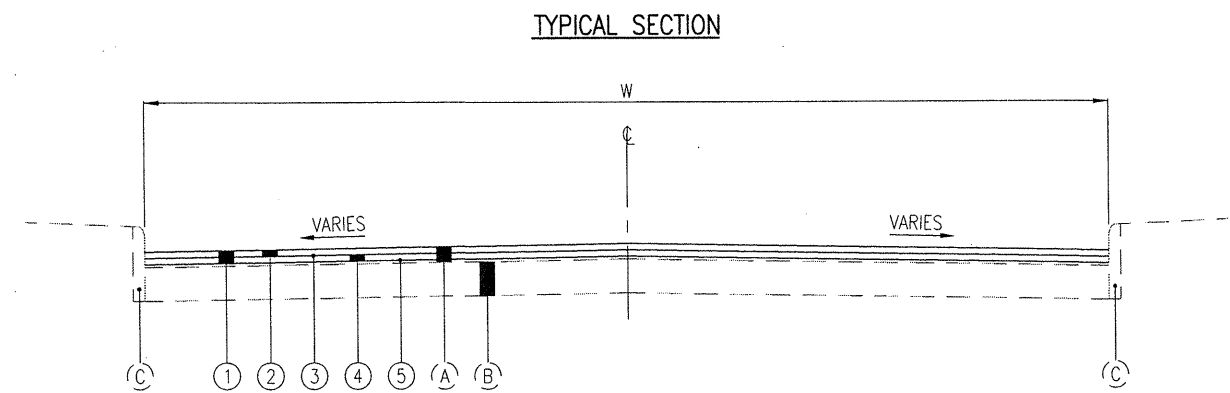
MAINTENANCE OF TRAFFIC NOTES

JEF-43-1.97

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LMO
CHECKED
KJG

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SUNSET BLVD. (S.R. 43) LOCATION		LENGTH (L) FT.	AVERAGE SURFACE WIDTH (W) FT.	SURFACE AREA (A=LxW) SQ. FT.	254	407	407	442	448
FROM	TO				PAVEMENT PLANING, ASPHALT CONCRETE A/9	TACK COAT (0.075 G/SY) 0.075A/9	TACK COAT FOR INTERMEDIATE COURSE (0.04 G/SY) 0.04A/9	1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE B (448), AS PER PLAN (1.5A/12)/27	3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22 (0.75A/12)/27
WEST CORPORATION LIMIT	180' W. OF LOVERS LANE	1254	48	60,192	6688.0	501.6	267.5	278.7	139.3
180' W. OF LOVERS LANE	130' W. OF LOVERS LANE	45	51.5	2318	257.5	19.3	10.3	10.7	5.4
130' W. OF LOVERS LANE	220' E. OF LOVERS LANE	349	55	19,195	2132.8	160.0	85.3	88.9	44.4
220' E. OF LOVERS LANE	140' E. OF YALE PL.	211	51.5	10,867	1207.4	90.6	48.3	50.3	25.2
140' E. OF YALE PL.	500' W. OF JOHN SCOTT HWY.	3014	48	144,672	16,074.7	1205.6	643.0	669.8	334.9
500' W. OF JOHN SCOTT HWY.	500' E. OF JOHN SCOTT HWY.	SEE JEF-43-1.97 PART 2							
500' E. OF JOHN SCOTT HWY.	510' E. OF JOHN SCOTT HWY.	10	60	600	66.7	5.0	2.7	2.8	1.4
510' E. OF JOHN SCOTT HWY.	710' E. OF JOHN SCOTT HWY.	200	53	10,600	1177.8	88.3	47.1	49.1	24.5
710' E. OF JOHN SCOTT HWY.	330' W. OF NEGLEY AVE.	302	46	13,892	1543.6	115.8	61.7	64.3	32.2
330' W. OF NEGLEY AVE.	300' E. OF NEGLEY AVE.	623	48	29,904	3322.7	249.2	132.9	138.4	69.2
300' E. OF NEGLEY AVE.	200' W. OF HOMEWOOD AVE. WEST	148	46	6808	756.4	56.7	30.3	31.5	15.8
200' W. OF HOMEWOOD AVE. WEST	310' W. OF JOHNSON RD.	855	48	41,040	4560.0	342.0	182.4	190.0	95.0
310' W. OF JOHNSON RD.	80' W. OF JOHNSON RD.	230	52	11,960	1328.9	99.7	53.2	55.4	27.7
80' W. OF JOHNSON RD.	300' E. OF JOHNSON RD.	380	56	21,280	2364.4	177.3	94.6	98.5	49.3
300' E. OF JOHNSON RD.	470' E. OF JOHNSON RD.	170	52	8840	982.2	73.7	39.3	40.9	20.5
470' E. OF JOHNSON RD.	30' E. OF DELWOOD ST.	605	48	29,040	3226.7	242.0	129.1	134.4	67.2
30' E. OF DELWOOD ST.	70' W. OF BRAYBARTON BLVD.	625	46	28,750	3194.4	239.6	127.8	133.1	66.6
70' W. OF BRAYBARTON BLVD.	140' E. OF RICHLAND AVE.	1639	48	78,672	8741.3	655.6	349.7	364.2	182.1
140' E. OF RICHLAND AVE.	370' W. OF FOREST AVE.	282	46	12,972	1441.3	108.1	57.7	60.1	30.0
370' W. OF FOREST AVE.	20' E. OF WELDAY AVE.	386	48	18,528	2058.7	154.4	82.3	85.8	42.9
20' E. OF WELDAY AVE.	50' E. OF WELDAY AVE.	554	46	25,484	2831.6	212.4	113.3	118.0	59.0
50' E. OF WELDAY AVE.	430' W. OF LINDUFF AVE.	165	48	7920	880.0	66.0	35.2	36.7	18.3
SIDE ROADS									
	EFTS LN.			1100	122.2	9.2	4.9	5.1	2.5
	STARKDALE RD.			1000	111.1	8.3	4.4	4.6	2.3
	BRYDEN RD.			900	100.0	7.5	4.0	4.2	2.1
	LOVERS LN.			3600	400.0	30.0	16.0	16.7	8.3
	YALE PL.			800	88.9	6.7	3.6	3.7	1.9
	CUNNINGHAM LN.			850	94.4	7.1	3.8	3.9	2.0
	CUNNINGHAM DR.			750	83.3	6.3	3.3	3.5	1.7
	JEFFERSON COMMUNITY COLLEGE DR.			1500	166.7	12.5	6.7	6.9	3.5
	W. ARGONNE AVE.			1200	133.3	10.0	5.3	5.6	2.8
	NEGLEY AVE.			1000	111.1	8.3	4.4	4.6	2.3
	HOMEWOOD AVE. WEST			750	83.3	6.3	3.3	3.5	1.7
	ROSEMONT AVE.			1050	116.7	8.8	4.7	4.9	2.4
	HOMEWOOD AVE. EAST			750	83.3	6.3	3.3	3.5	1.7
	JOHNSON RD.			1350	150.0	11.3	6.0	6.3	3.1
	OPAL BLVD.			750	83.3	6.3	3.3	3.5	1.7
	DELWOOD ST.			800	88.9	6.7	3.6	3.7	1.9
	WILMA AVE.			750	83.3	6.3	3.3	3.5	1.7
	BRAYBARTON BLVD.			900	100.0	7.5	4.0	4.2	2.1
	ROCKDALE ST.			900	100.0	7.5	4.0	4.2	2.1
	WILSHIRE BLVD.			900	100.0	7.5	4.0	4.2	2.1
	PICO ST. / RICHLAND ST.			1650	183.3	13.8	7.3	7.6	3.8
	FOREST AVE.			1700	188.9	14.2	7.6	7.9	3.9
	WELDAY AVE.			800	88.9	6.7	3.6	3.7	1.9
TOTALS CARRIED TO GENERAL SUMMARY					67,698	5077	2708	2821	1410



SUNSET BLVD. (S.R. 43)

LEGEND

- ① ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (2 1/4" DEPTH)
- ② ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE B (448), AS PER PLAN
- ③ ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE @ 0.04 GAL./SQ. YD.
- ④ ITEM 448 - 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22
- ⑤ ITEM 407 - TACK COAT @ 0.075 GAL./SQ. YD.
- (A) EXISTING ASPHALT CONCRETE (2 1/2" - 2 3/4")
- (B) EXISTING BRICK / CONCRETE BASE
- (C) EXISTING CONCRETE CURB

NOTE:
QUANTITIES FOR RESURFACING OF SIDE ROADS ARE BASED ON PROPOSED RESURFACING EXTENDING 20' BEYOND THE THRU EDGE OF PAVEMENT OF S.R. 43.

CALCULATED
L/M/O
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K/J/G

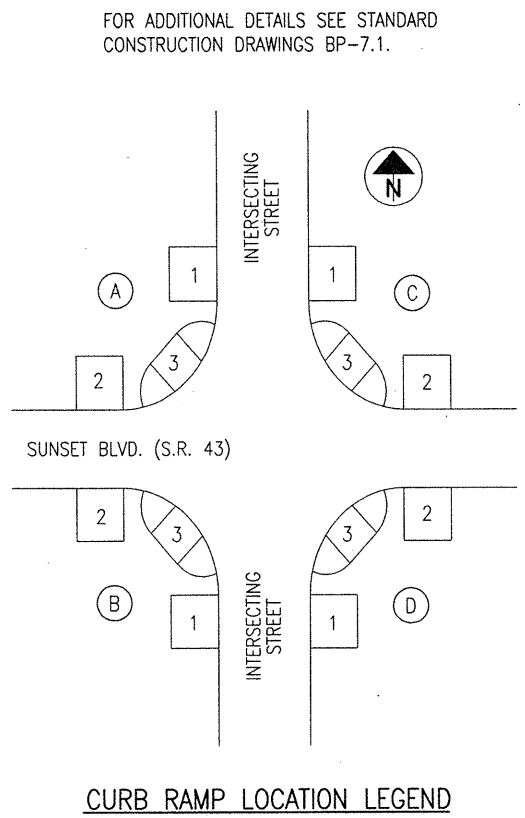
TYPICAL SECTION AND PAVEMENT CALCULATIONS

JEF-43-1.97

6
16

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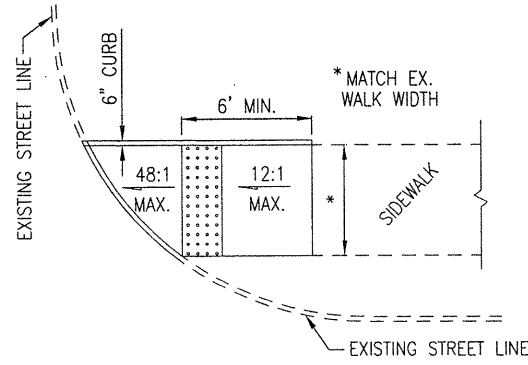
SUNSET BLVD. (S.R. 43) INTERSECTION	LOCATION (SEE LEGEND)	DESIGN NO.	202	202	608	609	638
			CURB REMOVED FT.	WALK REMOVED SQ. FT.	CURB RAMP, AS PER PLAN SQ. FT.	CURB, TYPE 6 FT.	VALVE BOX ADJUSTED TO GRADE EACH
EFTS LANE	C-2		6	25		6	
	B-1	1	15	80	75	15	
	D-1	1	15	85	80	15	1
STARKDALE RD.	B-1	1	15	80	75	15	
	D-1	4	20	160	110	20	1
BRYDEN RD.	B-1	6	20	120	105	20	
	D-1	7	20	120	130	20	
LOVERS LANE	A-3	4	20	130	130	20	
	B-1	4	20	100	110	20	
	B-2	4	20	100	110	20	
	C-3	4	20	100	110	20	
	D-3	4	20	100	110	20	
YALE PLACE	B-1	2	20	100	95	20	
	D-1	2	20	100	95	20	
CUNNINGHAM LANE	A-3	4	20	90	100	20	
	B-2	4	20	80	90	20	
	C-1	3	15	65	70	15	
CUNNINGHAM DR.	B-1	2	20	85	80	20	
	D-1	2	20	55	80	20	
JEFFERSON COMMUNITY COLLEGE	C-2	5	20	95	105	20	
W. ARGONNE AVE.	A-1	2	20	80	80	20	1
	C-1	2	20	80	80	20	
TOTALS CARRIED RIGHT			406	2030	2020	406	3



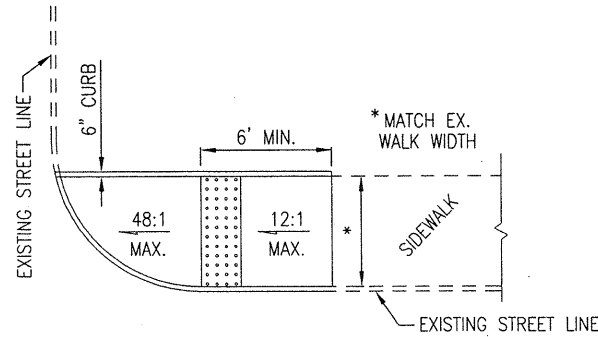
SUNSET BLVD. (S.R. 43) INTERSECTION	LOCATION (SEE LEGEND)	DESIGN NO.	202	202	608	609	638
			CURB REMOVED FT.	WALK REMOVED SQ. FT.	CURB RAMP, AS PER PLAN SQ. FT.	CURB, TYPE 6 FT.	VALVE BOX ADJUSTED TO GRADE EACH
NEGLEY AVE.	B-1	8	15	100	105	15	
	D-1	8	15	105	105	15	
HOMWOOD AVE. WEST	A-1	2	20	95	95	20	
	C-1	6	20	120	115	20	
ROSEMONT AVE.	B-1	4	20	100	100	20	
	C-2	4	20	100	110	20	
	D-3	4	20	100	110	20	
OPAL BLVD.	B-1	4	20	100	110	20	
	D-1	2	20	95	95	20	
DELWOOD ST.	A-1	2	20	95	95	20	
	C-1	2	20	90	95	20	
WILMA AVE.	A-2	4	20	100	110	20	
	C-2	4	20	100	110	20	
BRAYBARTON AVE.	B-1	4	20	100	110	20	
	D-1	4	20	100	100	20	
ROCKDALE ST.	A-1	2	20	95	95	20	
	C-1	2	20	95	95	20	1
WILSHIRE BLVD.	A-1	4	20		110	20	
	C-1	9	15	140	140	15	2
PICO ST. / RICHLAND ST.	A-1	3	15	70	85	15	
	A-2	4	20	140	110	20	
	B-3	4	20	100	110	20	
	C-3	3	15	70	85	15	
	D-1	3	15	85	85	15	
	D-2	4	20	100	110	20	
FOREST AVE.	A-1	4	20	100	110	20	1
	B-1	2	20	90	95	20	
	C-1	4	20	100	110	20	
	D-1	2	20	90	95	20	
WELDAY AVE.	A-1	4	20	100	110	20	
	C-1	2	20	90	95	20	
SUBTOTAL RIGHT			590	2965	3205	590	4
CARRIED FROM LEFT			406	2030	2020	406	3
TOTALS CARRIED TO GENERAL SUMMARY			996	4995	5225	996	7

CALCULATED	LMO	CHECKED	KJG
CURB RAMP SUBSUMMARY			
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16			

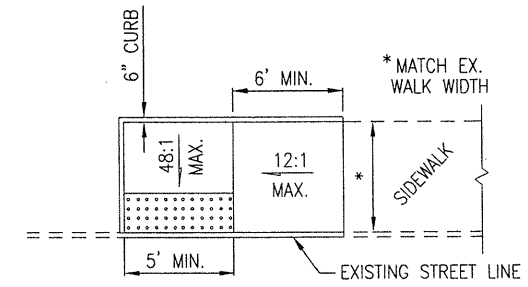
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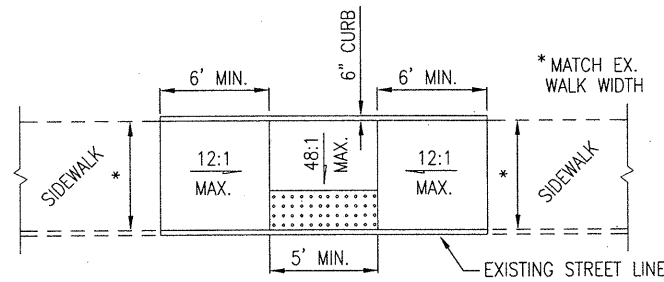
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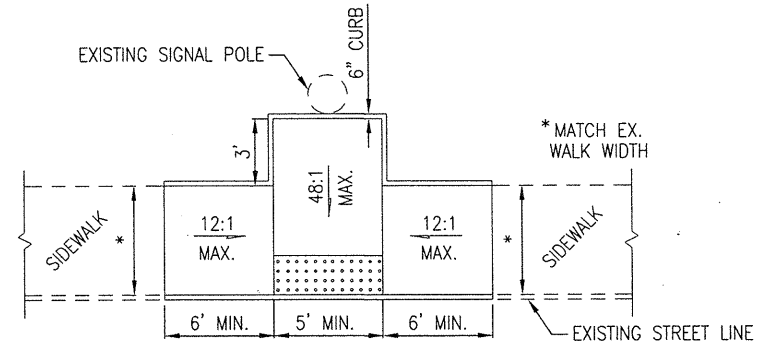
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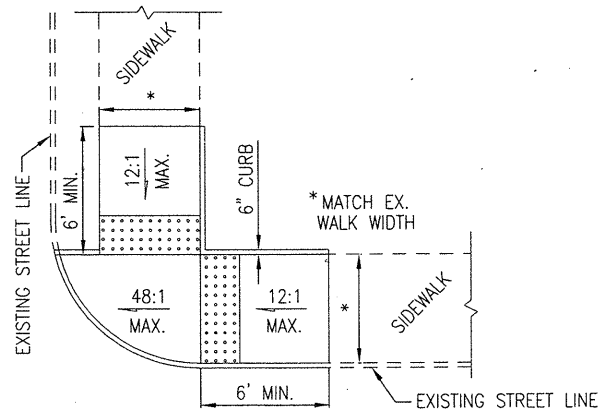
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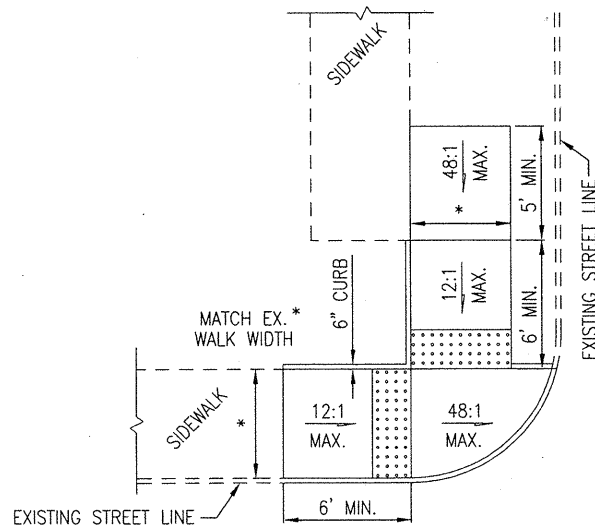
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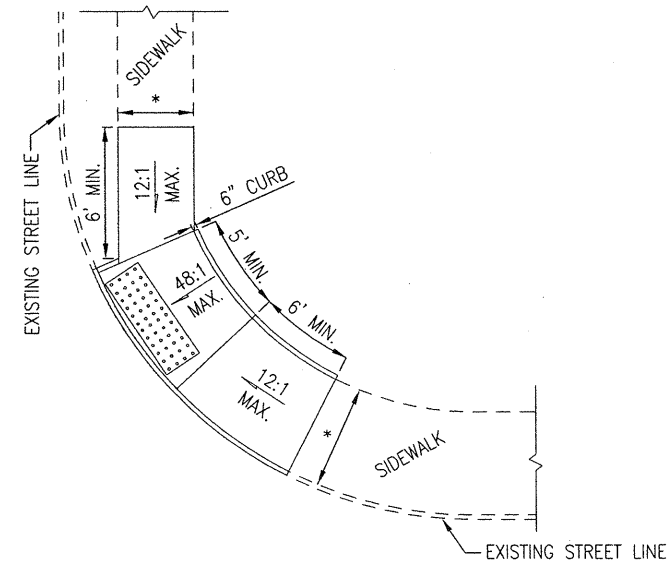
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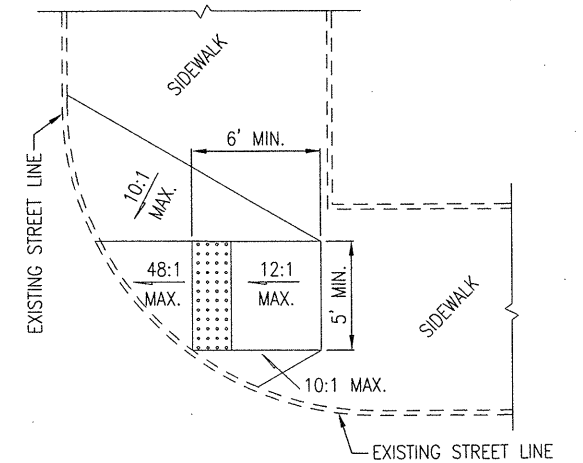
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CURB RAMP DESIGN 7



CURB RAMP DESIGN 8



CURB RAMP DESIGN 9

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CURB RAMP DETAILS

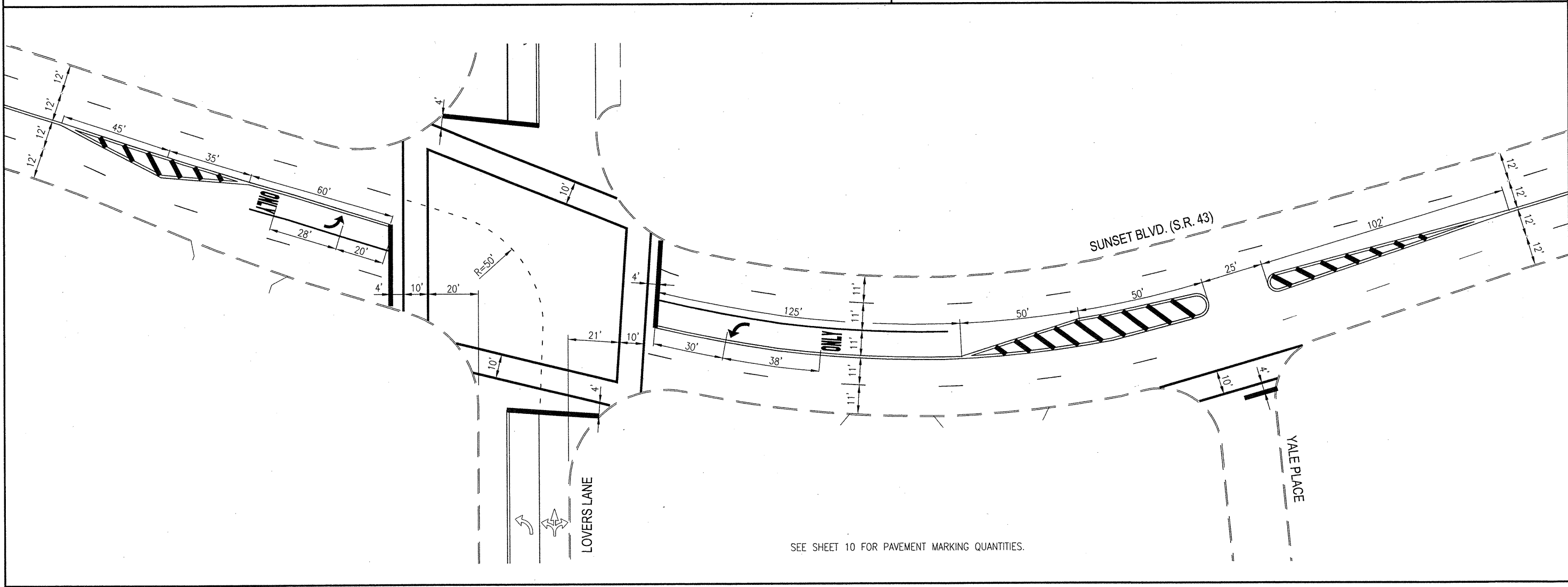
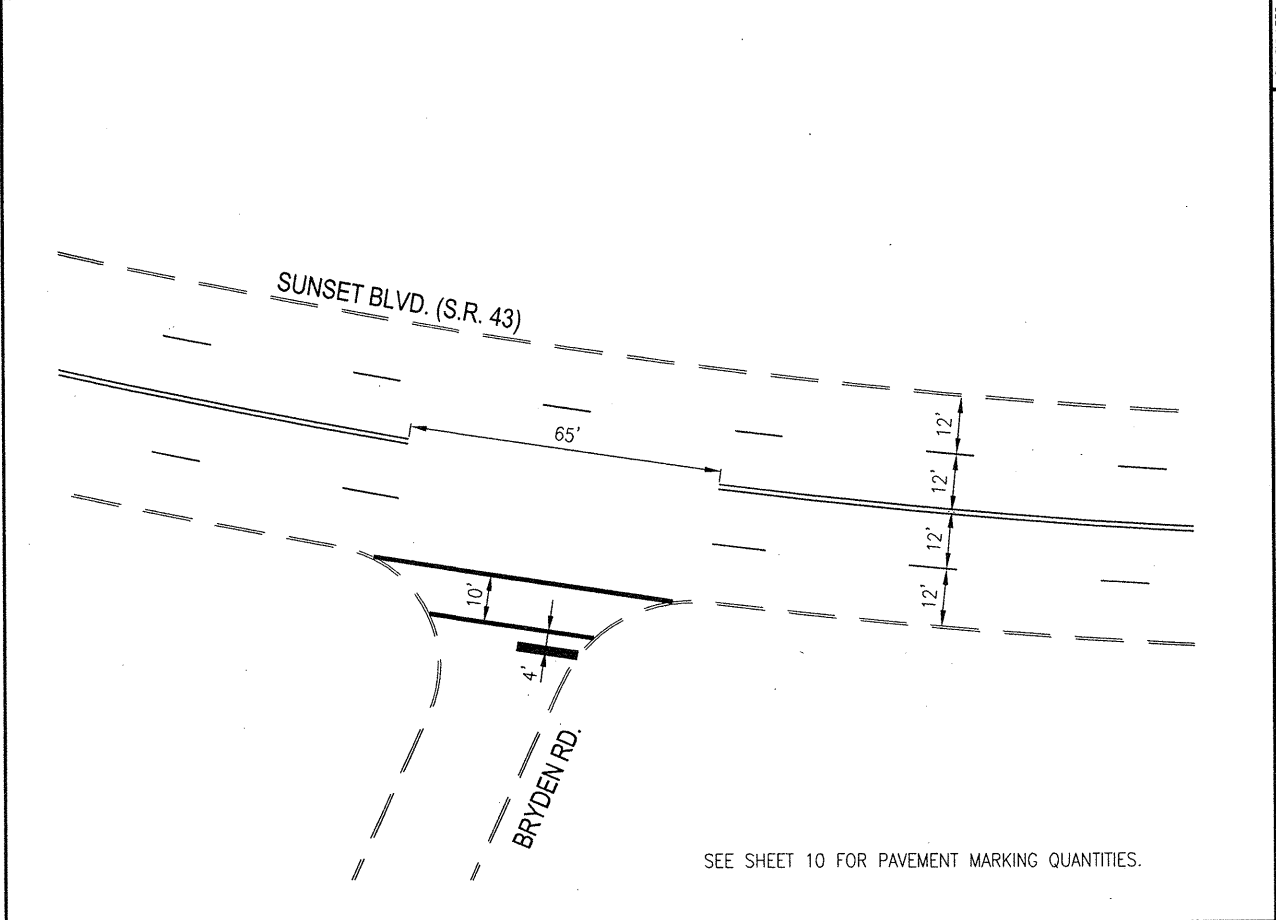
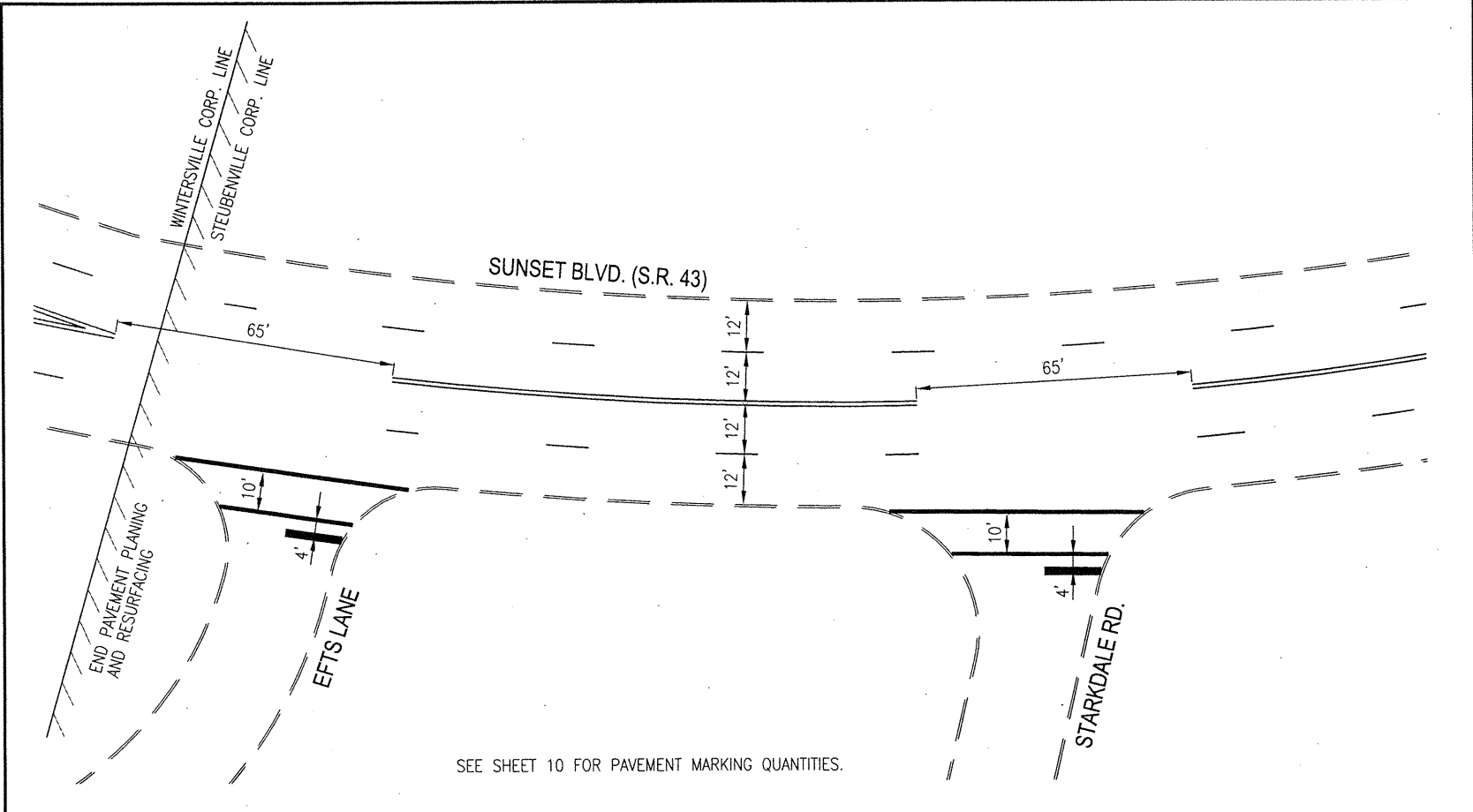
JEF-43-1.97

SUNSET BLVD. (S.R. 43) LOCATION		URBAN PAVING		100% MPO																	CALCULATED L.M.O. CHECKED K.J.G.	
		644	644	644	644	644	644	644	644	644	644											
FROM	TO	MILE	MILE	FT.	FT.	FT.	FT.	EACH	EACH	FT.												
WEST CORPORATION LIMIT	500' W. OF JOHN SCOTT HWY.	0.92	1.85																			
500' W. OF JOHN SCOTT HWY.	500' E. OF JOHN SCOTT HWY.	SEE JEF-43-1.97 PART 2																				
500' E. OF JOHN SCOTT HWY.	430' W. OF LINDUFF AVE.	1.36	2.72																			
SIDE ROADS																						
	EFTS LN.				23	130																
	STARKDALE RD.				15	100																
	BRYDEN RD.				15	90																
	LOVERS LN.	0.06		180	140	555	220	2	2	120												
	YALE PL.				14	90																
	CUNNINGHAM LN.				61	185																
	CUNNINGHAM DR.				12	90																
	JEFFERSON COMMUNITY COLLEGE DR.				78	260																
	W. ARGONNE AVE.				20	100																
	JOHN SCOTT HIGHWAY	0.04					150															
	NEGLEY AVE.				14	85																
	HOMEWOOD AVE. WEST				12	70																
	ROSEMONT AVE.				66	190																
	HOMEWOOD AVE. EAST				12	80																
	JOHNSON RD.	0.08		185	81	235	290	3	1													
	OPAL BLVD.				15	90																
	DELWOOD ST.				15	80																
	WILMA AVE.				58	265																
	BRAYBARTON BLVD.				19	105																
	ROCKDALE ST.				12	70																
	WILSHIRE BLVD.				16	95																
	PICO ST. / RICHLAND ST.				75	350																
	FOREST AVE.				32	190																
	WELDAY AVE.				12	75																
TOTALS CARRIED TO GENERAL SUMMARY		2.46	4.57	365	817	3580	660	5	3	120												

PAVEMENT MARKING SUBSUMMARY

JEF-43-1.97

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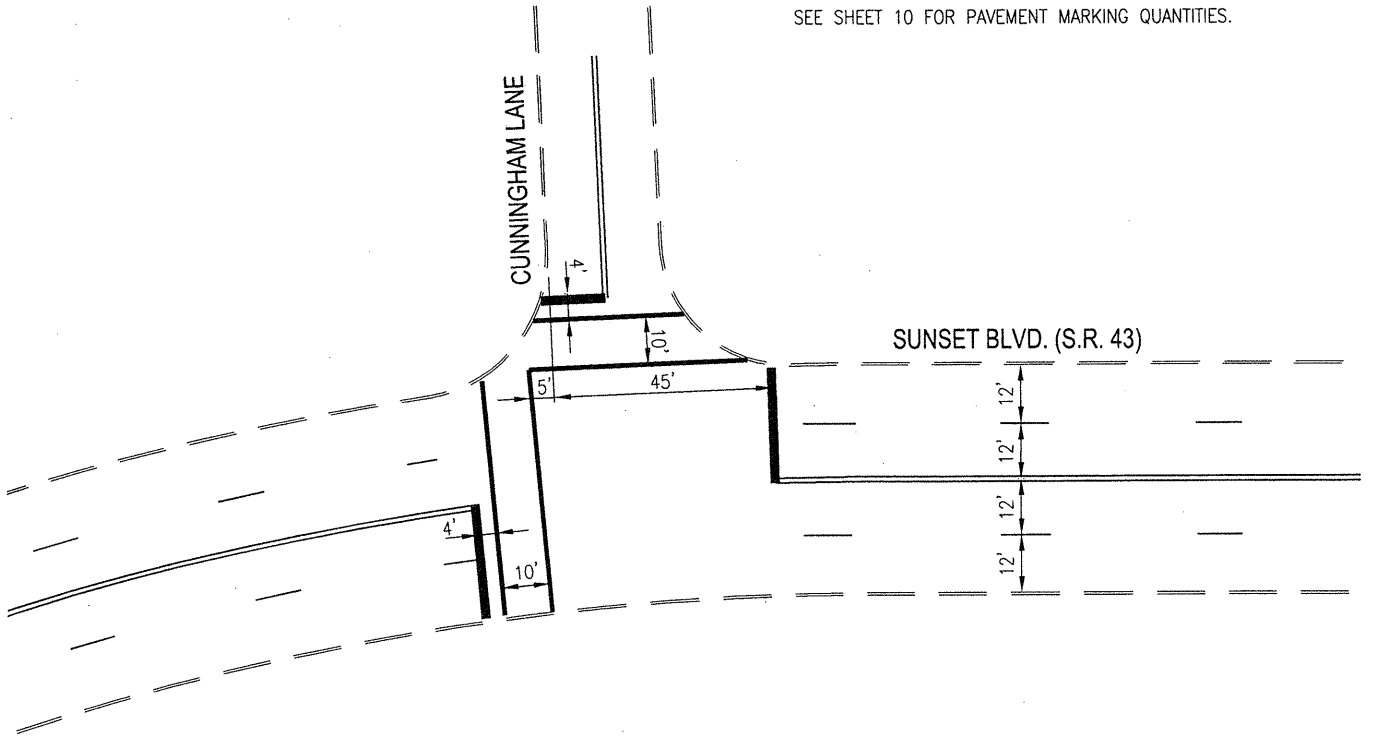
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AUXILIARY PAVEMENT MARKINGS

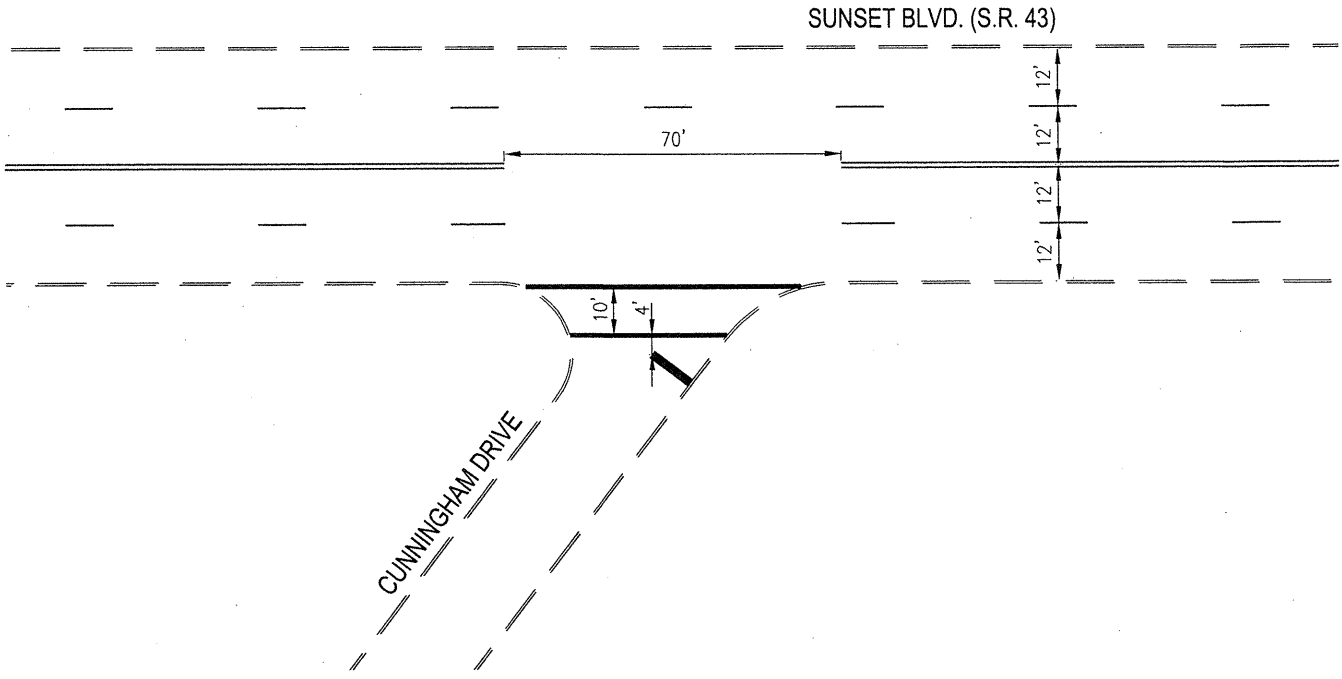
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SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.

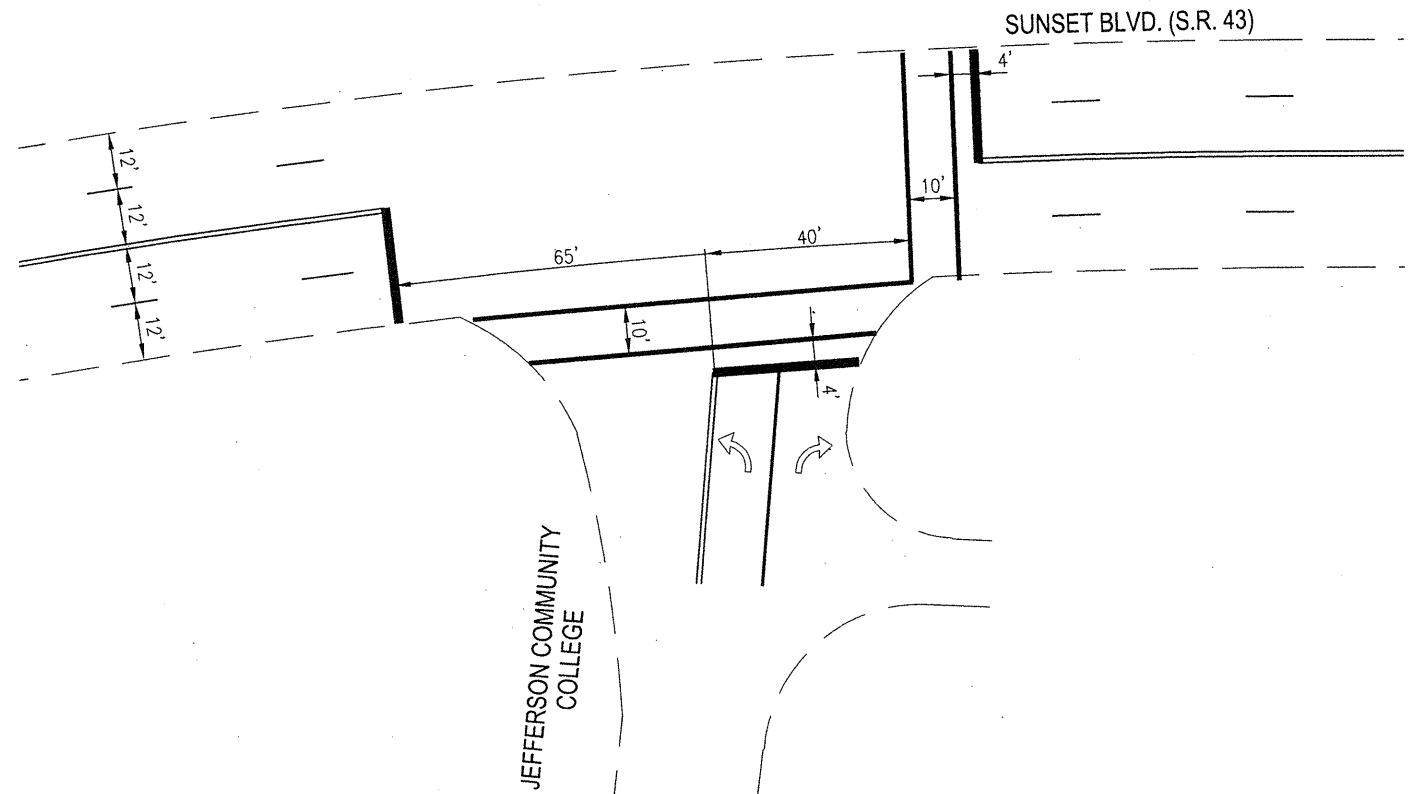


SUNSET BLVD. (S.R. 43)



SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.

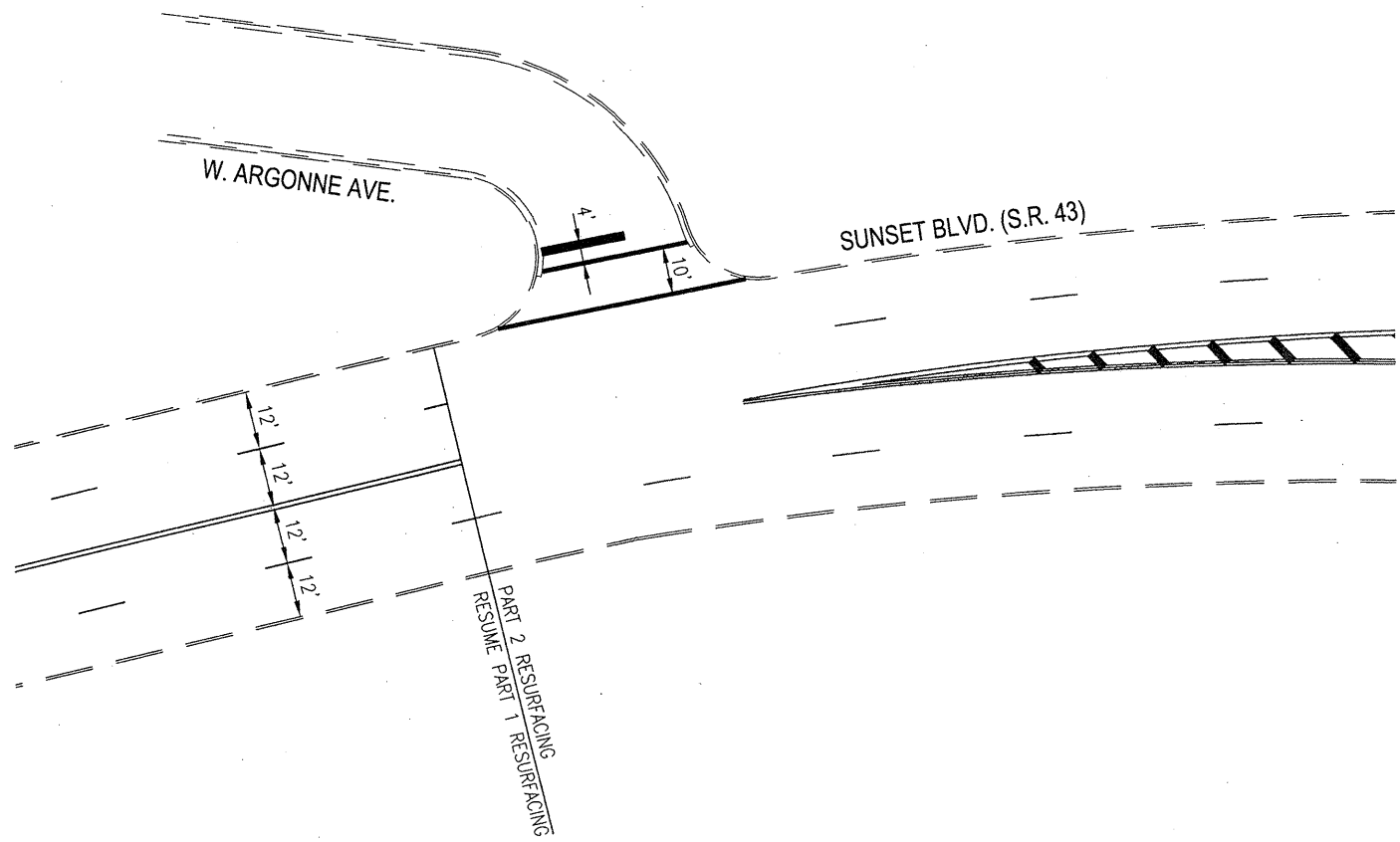
SUNSET BLVD. (S.R. 43)



SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.

W. ARGONNE AVE.

SUNSET BLVD. (S.R. 43)



SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.

CALCULATED
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CHECKED
KJG

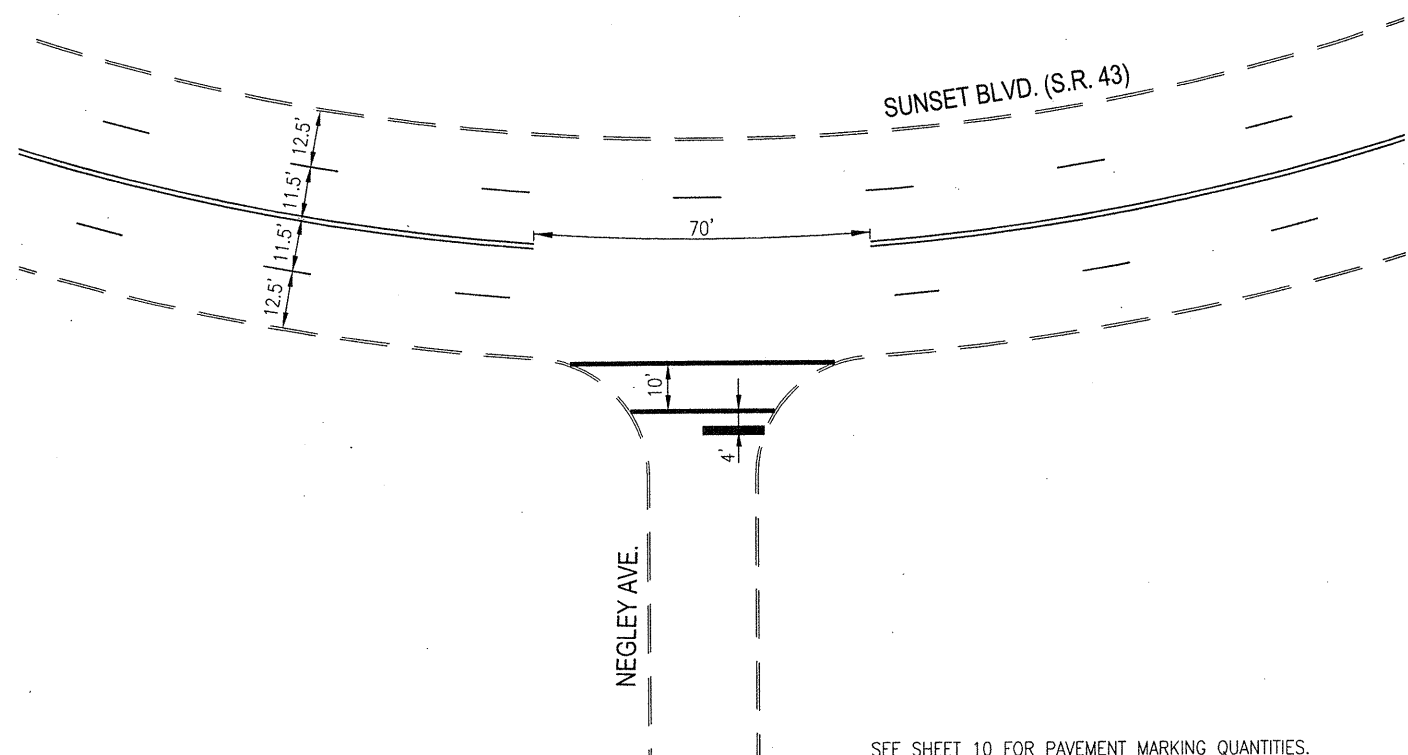
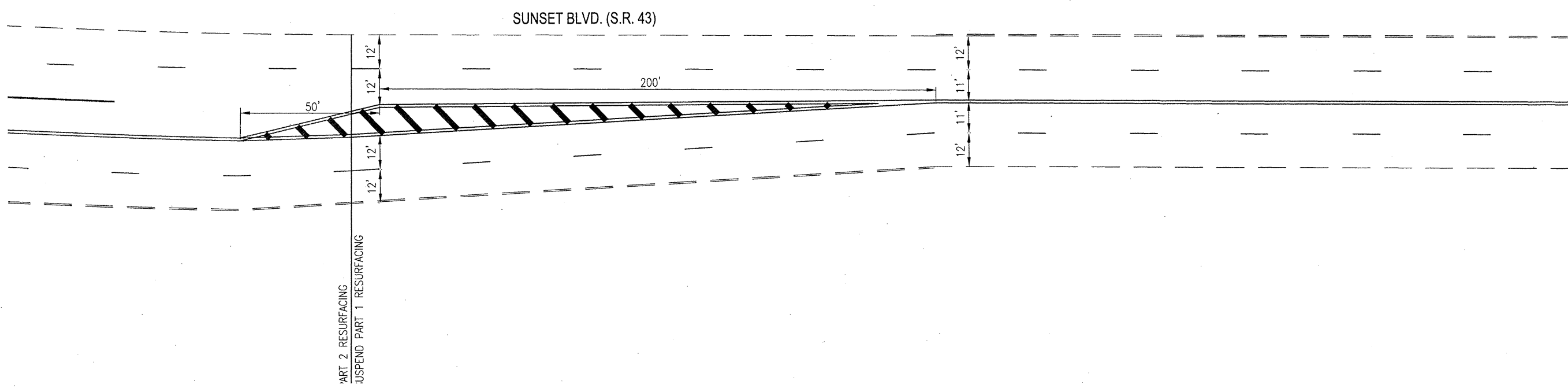
AUXILIARY PAVEMENT MARKINGS

JEF-43-1.97

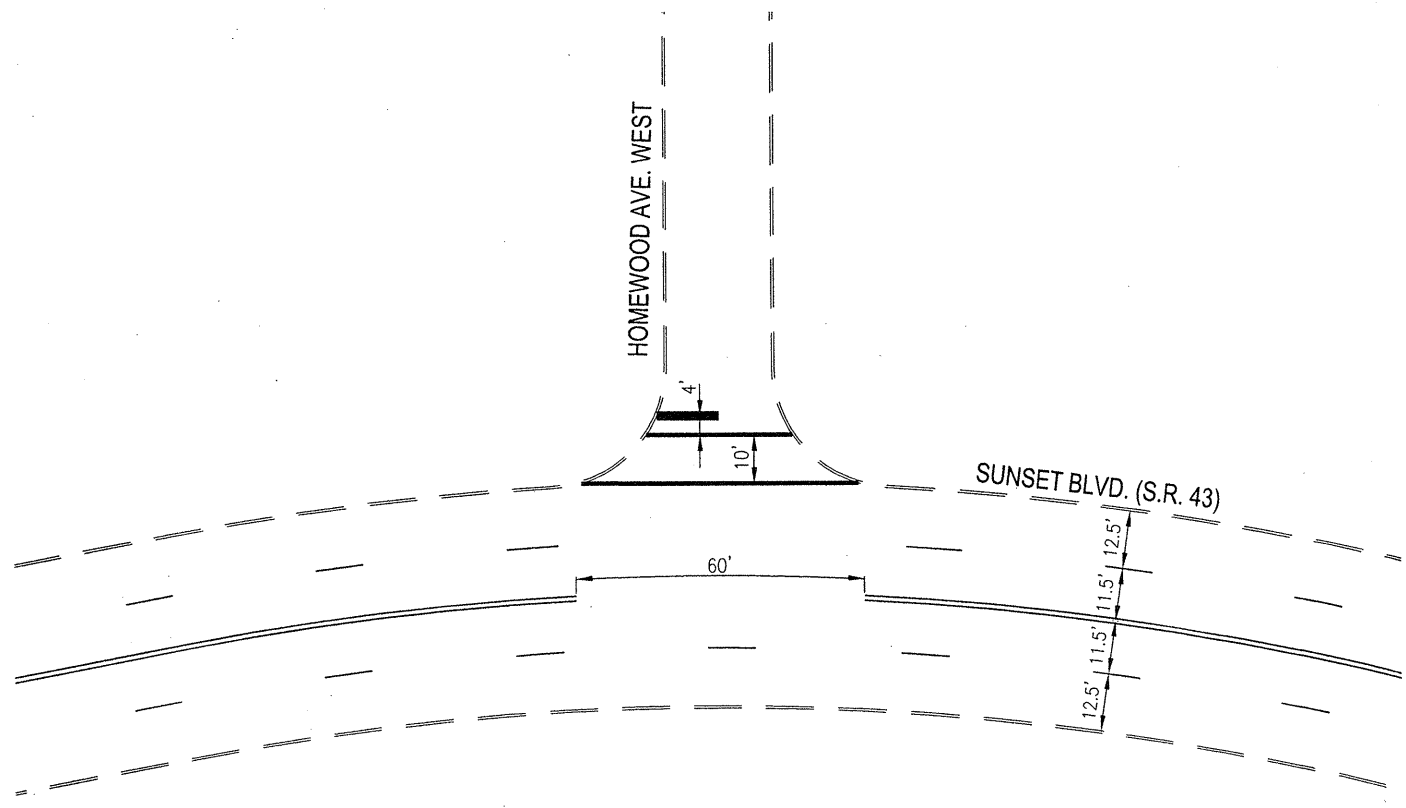
12
16

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SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.



SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.



SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.

CALCULATED
LMO
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KJG

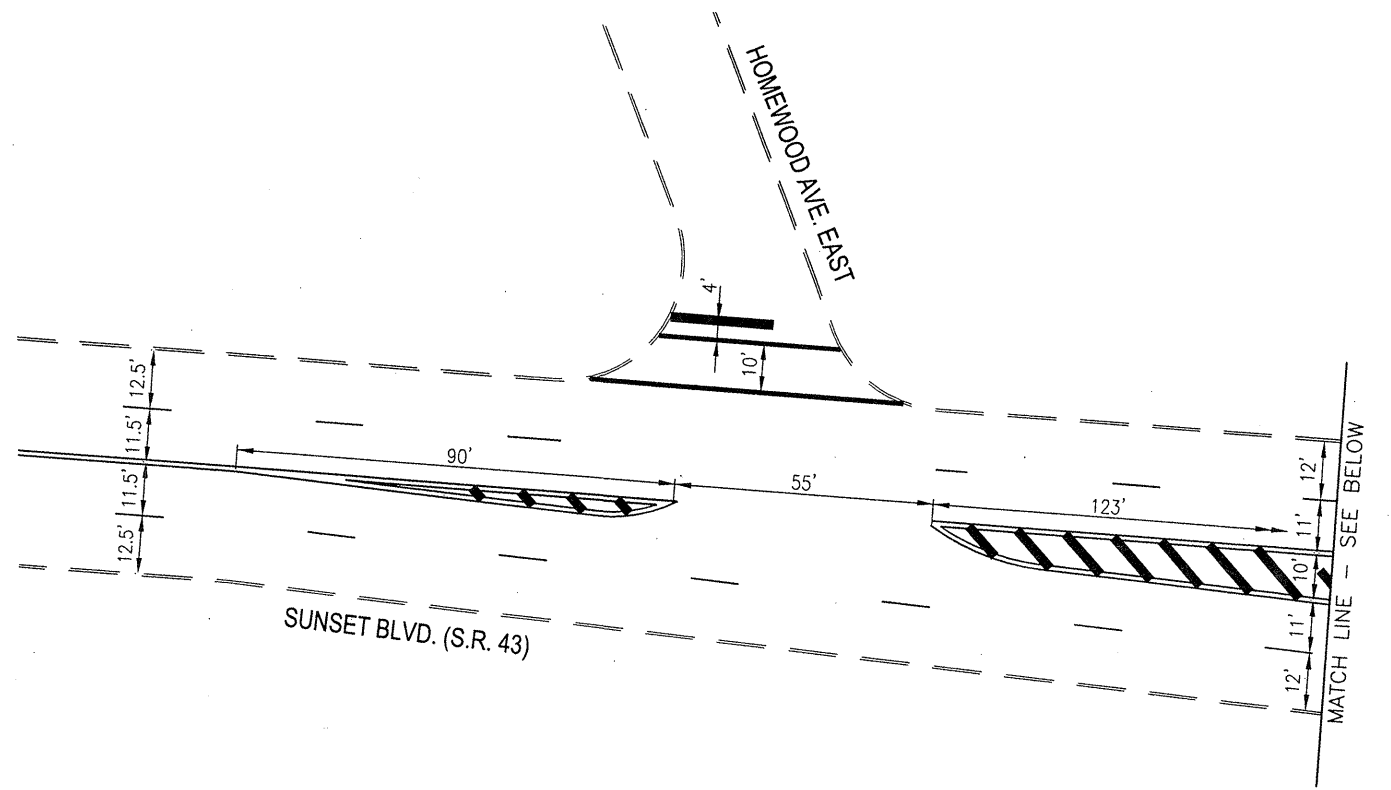
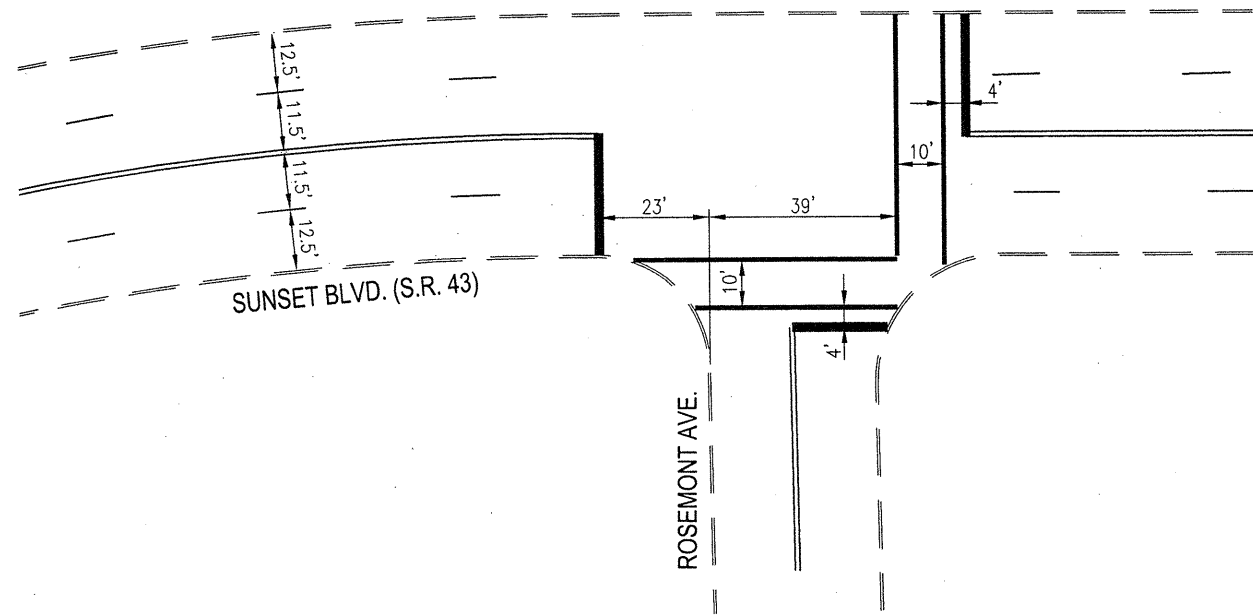
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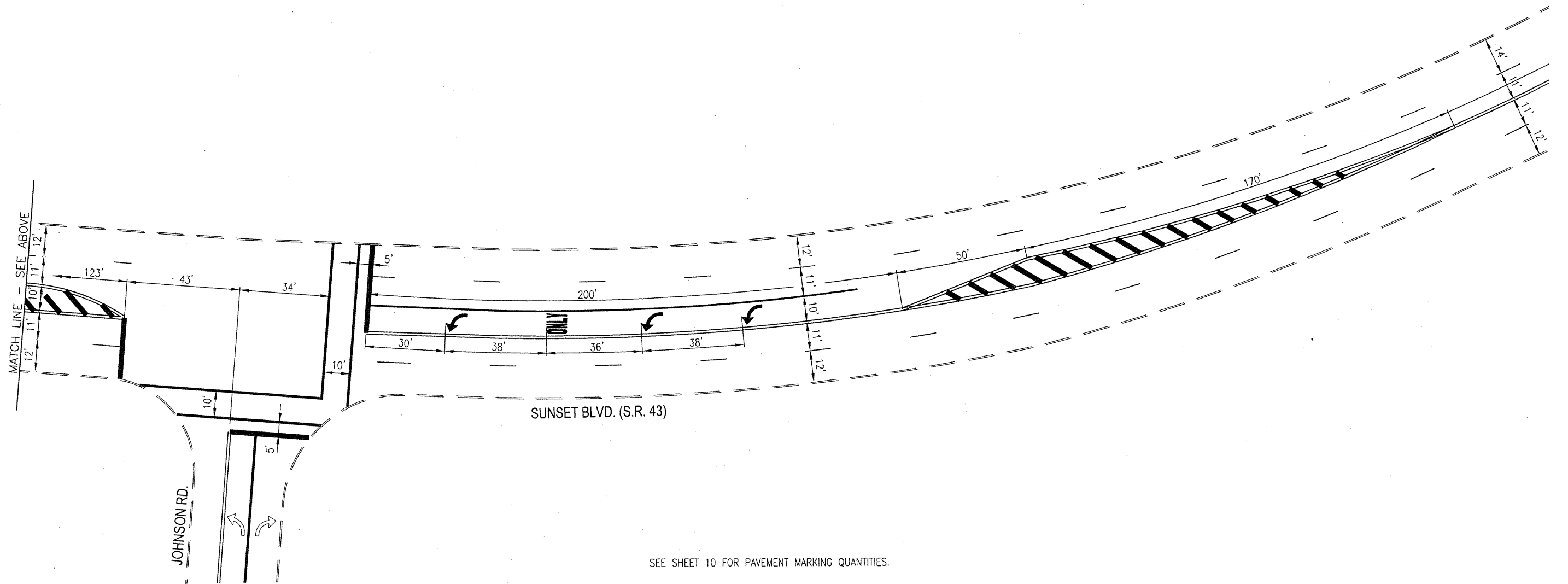
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SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.



SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.



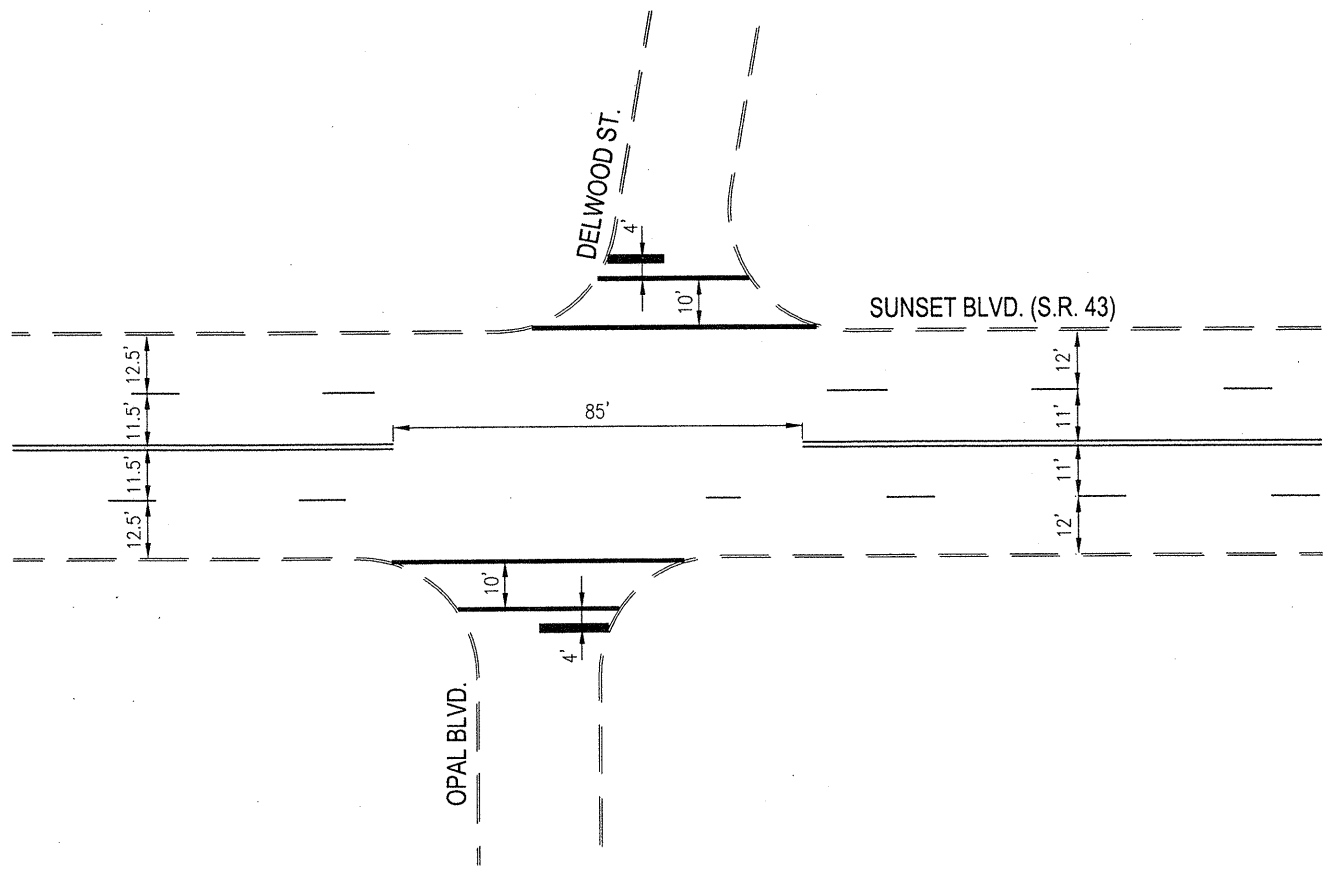
SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.

CALCULATED	LMO
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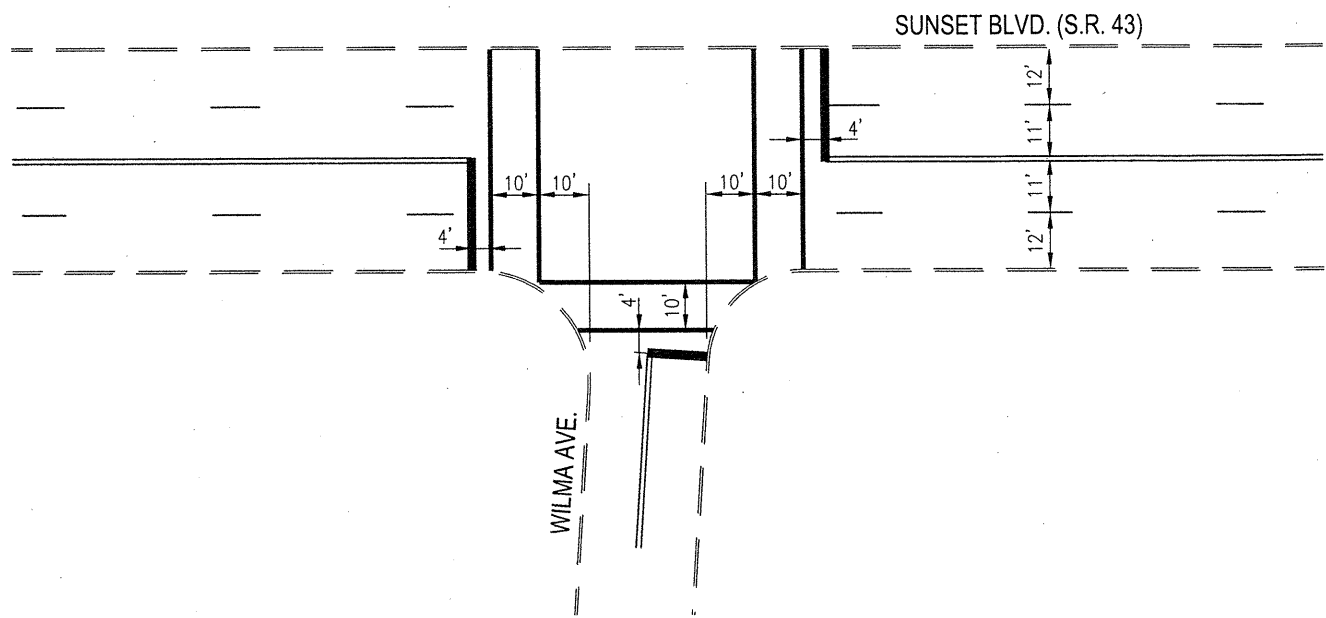
AUXILIARY PAVEMENT MARKINGS

JEF-43-1.97

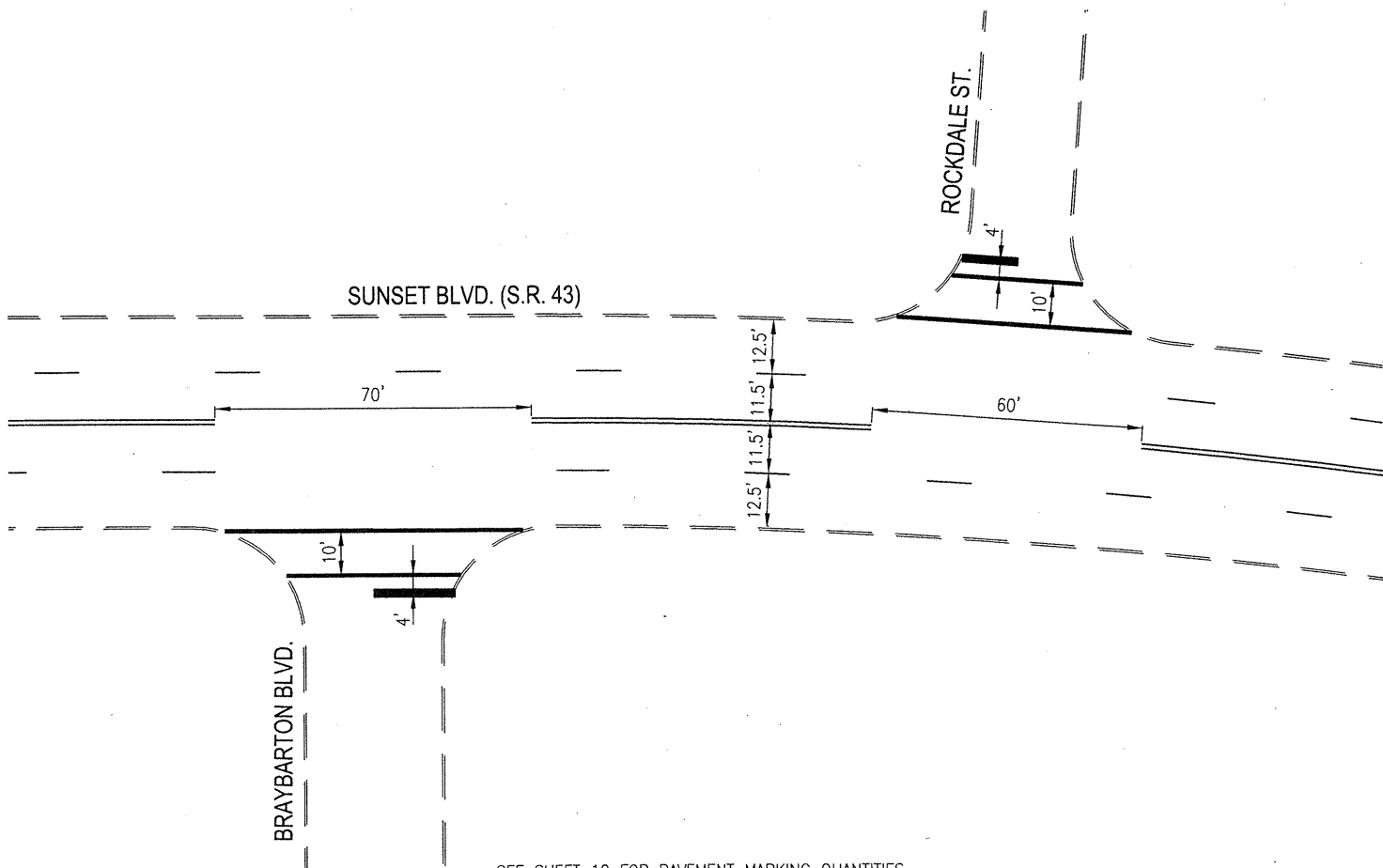
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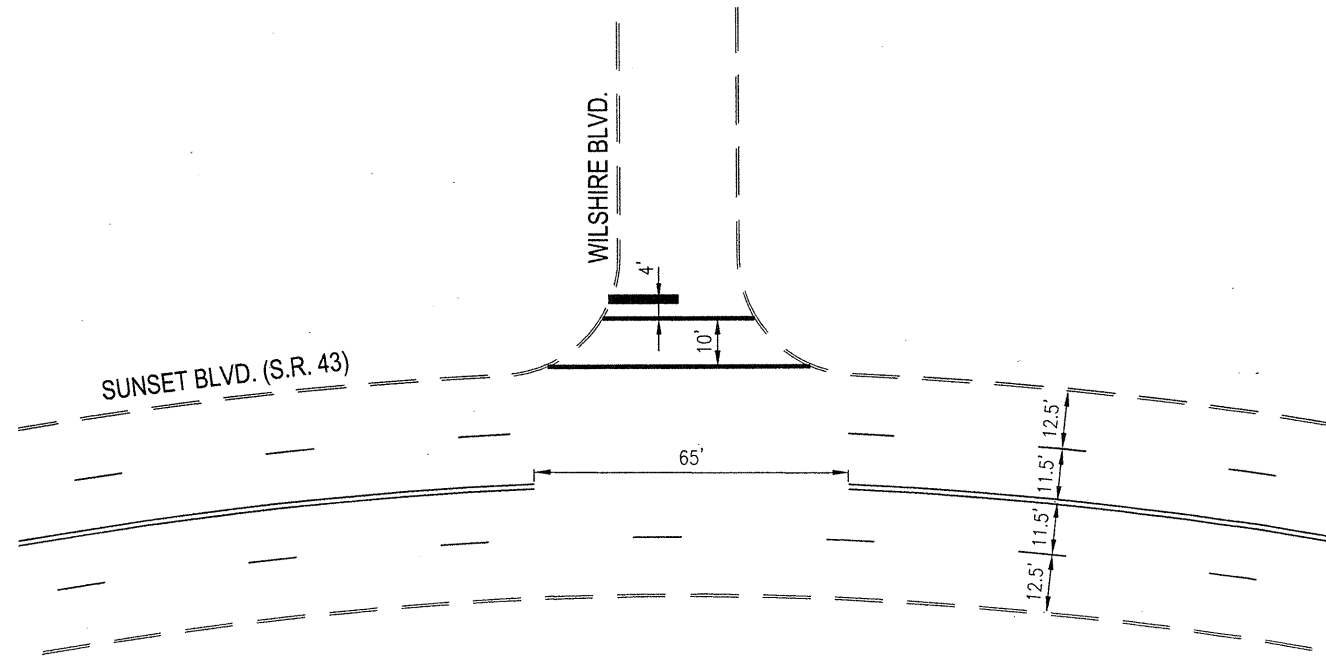
SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.



SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.



SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.



SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.

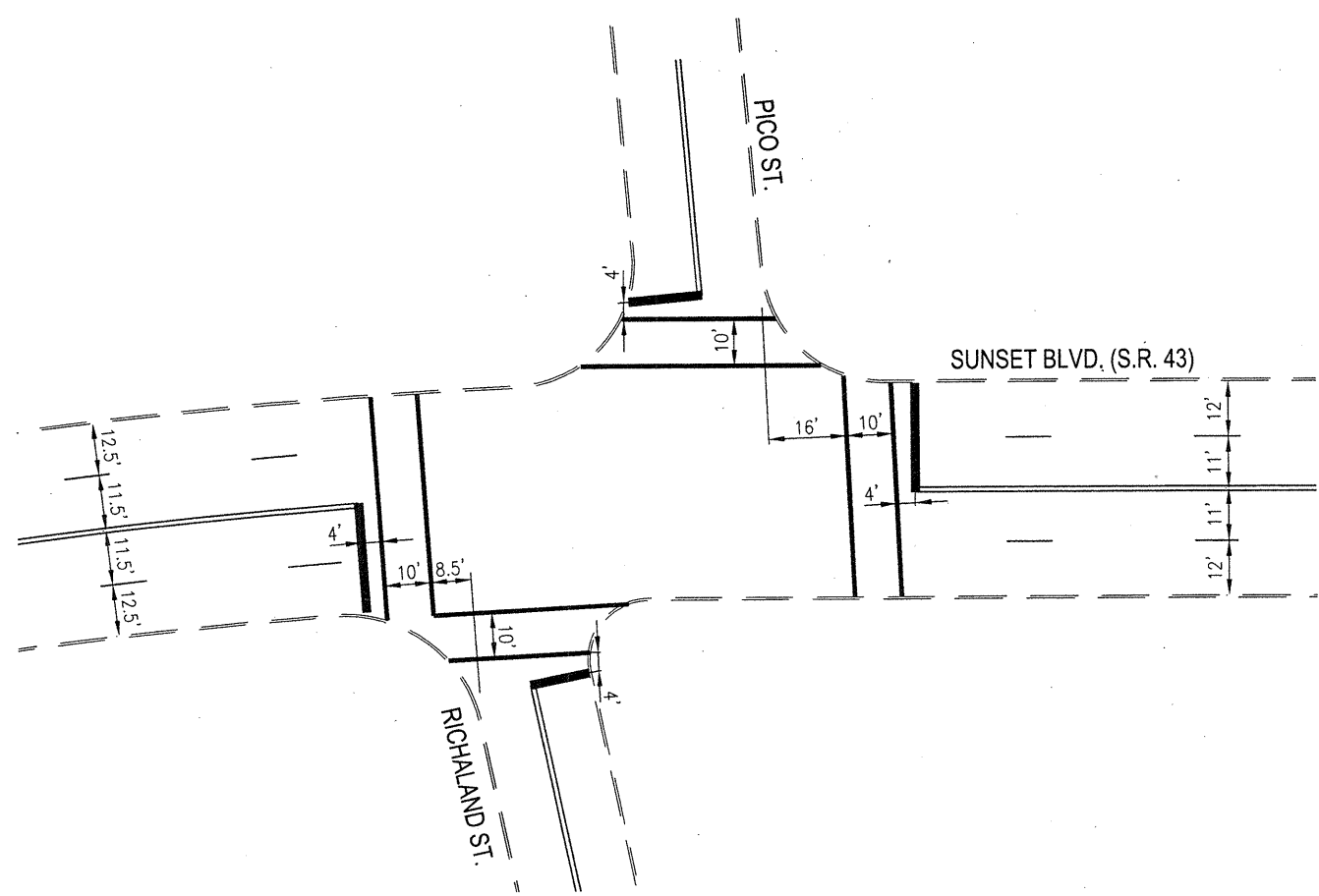
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AUXILIARY PAVEMENT MARKINGS

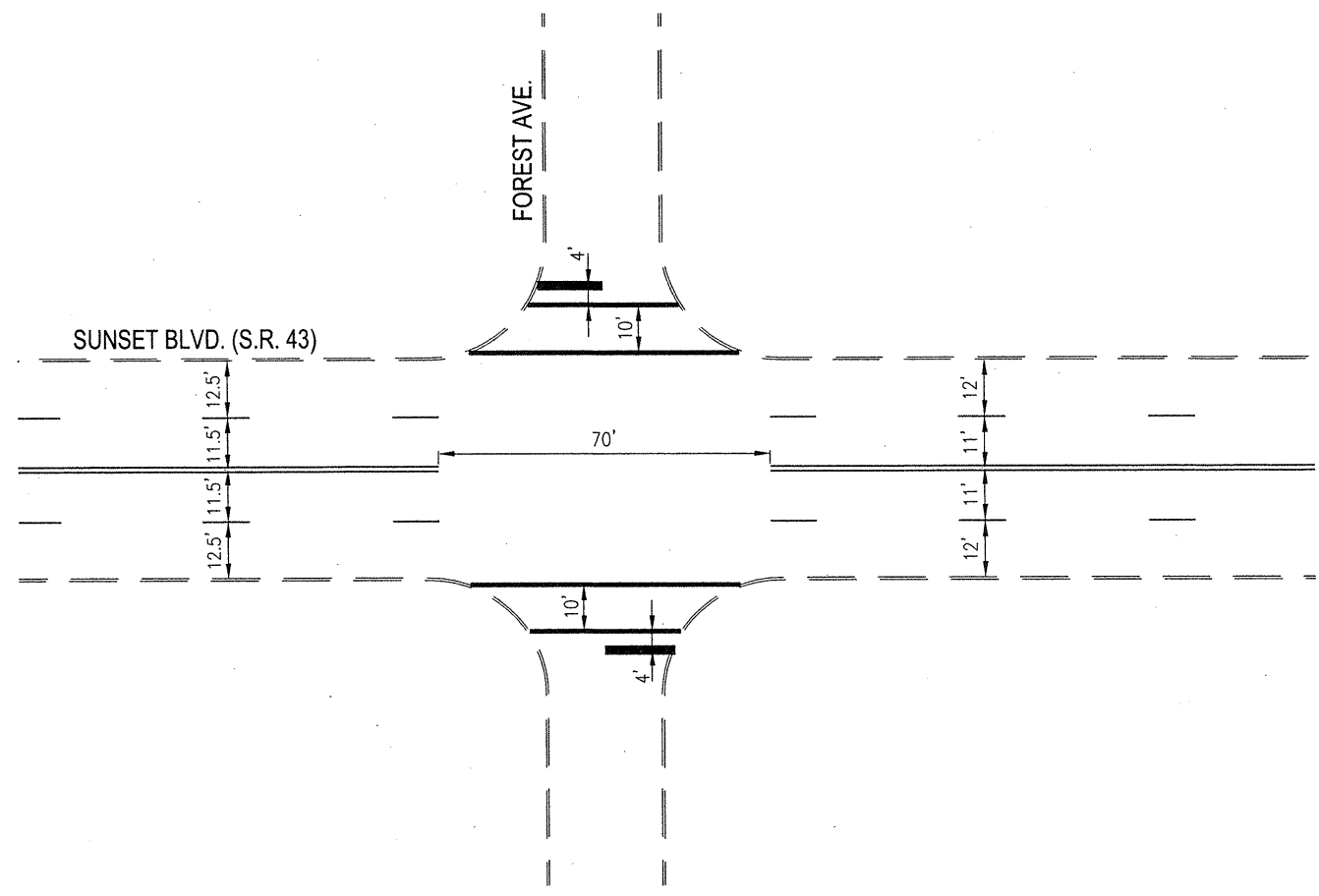
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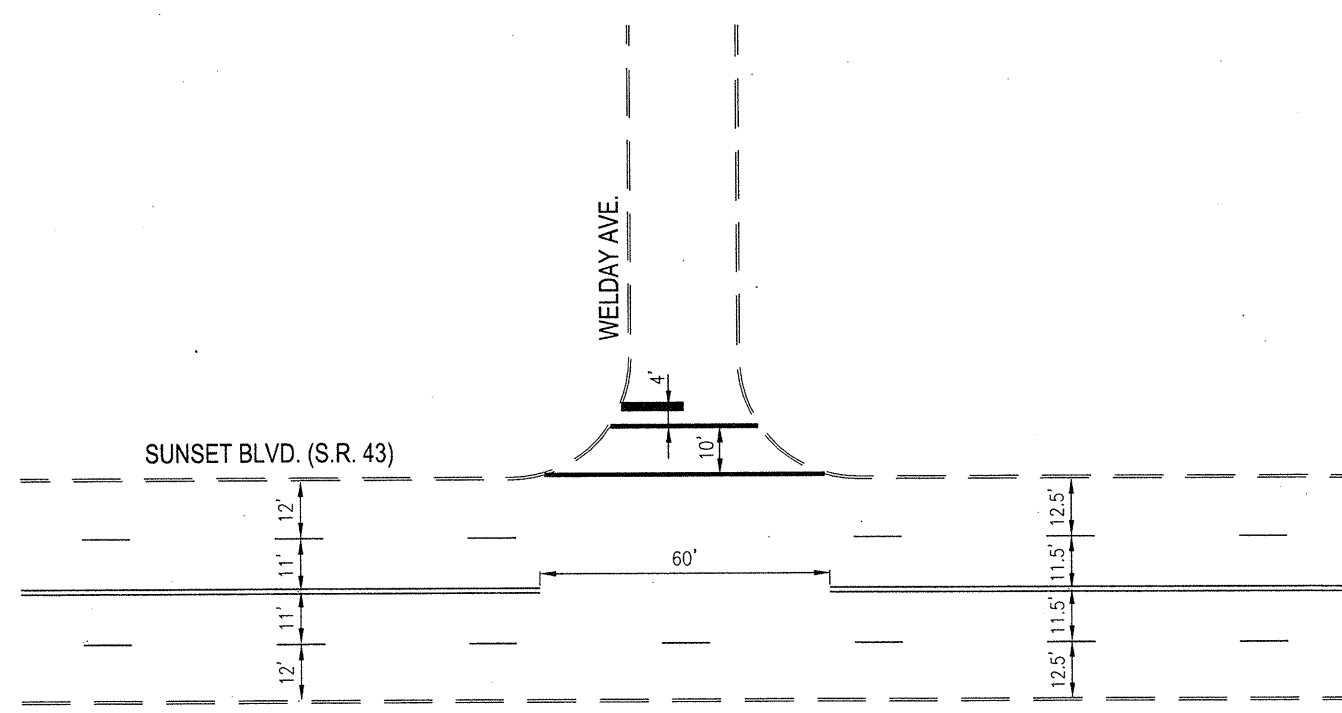
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SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.



SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.



SEE SHEET 10 FOR PAVEMENT MARKING QUANTITIES.

CALCULATED	LMO
	CHECKED
	K.J.G

AUXILIARY PAVEMENT MARKINGS

JEF-43-1.97