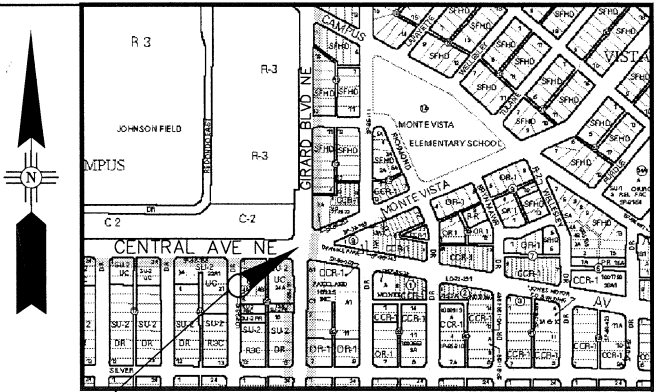


CITY OF ALBUQUERQUE
CONSTRUCTION PLANS

CENTRAL AVENUE AND
GIRARD BOULEVARD

INTERSECTION IMPROVEMENTS
COA Project 7878.59



PROJECT LOCATION

VICINITY MAP
Zone Atlas Map K16-Z

Index of Sheets

SHEET NO.	DESCRIPTION	GROUP
1	COVER SHEET	GENERAL PROJECT INFORMATION
2	GENERAL NOTES	
3	INCIDENTAL ITEMS AND UTILITY CONTACTS	
	SUBTOTAL = 3	
4	INTERSECTION LAYOUT PLAN	INTERSECTION LAYOUT PLAN
	SUBTOTAL = 1	
5	SIGNING & STRIPING NOTES AND QUANTITIES	SIGNING & STRIPING PLANS
6	PERMANENT SIGNING & STRIPING PLANS	
7	SIGNING AND STRIPING DETAILS	
	SUBTOTAL = 3	
8	TRAFFIC SIGNAL GENERAL NOTES	TRAFFIC SIGNAL PLANS
9	TRAFFIC SIGNAL QUANTITIES	
10	TRAFFIC SIGNAL PLAN	
11	TRAFFIC SIGNAL CABLES AND CONDUITS/FUNCTIONS	
	SUBTOTAL = 4	
	TOTAL SHEETS = 11	

50% REDUCED SIZE PLAN SET




REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER	DATE	*****	
		DRC Chairman				APPROVED FOR CONSTRUCTION	
		Transportation					
		ABCWUA					
		Hydrology					
		Parks					
		Constr. Coord.					
		Traffic Eng.				City Engineer	Date
		Traffic Eng.					
		AMAFCA				SHEET	
		PROJECT NO.	7878.59			1 of 11	

GENERAL NOTES:

1. SPECIFICATIONS ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS, 1986 EDITION, UPDATE 7 AND AMENDMENT 1, AND THE 2007 NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, OR AS STATED IN THE SPECIAL PROVISIONS.
2. BUSINESS ACCESS THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ADVISE OF AND SCHEDULE ACCESS CLOSURES, AT LEAST 24 HOURS IN ADVANCE, WITH PROPERTY OWNERS AND THE CITY ENGINEER.
3. DROP-OFF POLICY IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION IN ACCORDANCE WITH THE NMDOT'S CURRENT "DROP-OFF-GUIDELINE". THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
4. CONSTRUCTION SCHEDULE SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE, THAT SHALL BE SUBMITTED AND UPDATED IN ACCORDANCE WITH NMDOT SPECIFICATION 108.3. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. THE CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION.
5. NM ONE-CALL TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
6. PERMITS CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING, AT THEIR OWN EXPENSE, ALL PERMITS NECESSARY FOR CONSTRUCTION. PERMITS SHALL BE CONSIDERED INCIDENTAL TO THE ASSOCIATED WORK PERFORMED.
7. 24-HOUR CONSTRUCTION ALL WORK IMPACTING ARTERIAL ROADWAY MAY REQUIRE 24-HOUR CONSTRUCTION IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE'S ORANGE BARREL POLICY. THE CONSTRUCTION COORDINATION ENGINEER SHALL DETERMINE IF MARATHON CONSTRUCTION IS REQUIRED AND COORDINATE WITH THE CONTRACTOR.
8. INTERSECTION WORK CRITICAL INTERSECTION WORK SHALL NOT START UNTIL THE CONTRACTOR HAS ALL MATERIAL, EQUIPMENT, AND NECESSARY PERSONNEL ON-SITE. TRAFFIC CONTROL DEVICES SHALL NOT BE PLACED PREMATURELY.
9. OVERNIGHT PARKING OVERNIGHT PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CLEAR ZONE THE CONSTRUCTION CLEAR ZONE FOR THIS PROJECT IS 20 FEET FROM THE EDGE OF DRIVING LANE. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN THE CONSTRUCTION CLEAR ZONE UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE PROJECT MANAGER BEFORE IMPLEMENTING. THIS WORK, INCLUDING DESIGN, INSTALLATION, AND REMOVAL OF THE SHIELDING, SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
11. REGULATORY SIGNS THE CONTRACTOR SHALL NOTIFY THE ALBUQUERQUE TRAFFIC ENGINEERING DIVISION THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK REQUIRED REGARDING ALL EXISTING REGULATORY SIGNS AND SIGNALS THAT NEED TO BE REMOVED, RELOCATED, OR REINSTALLED. CALL 857-8680. REFER TO SECTION 18.4.4 OF THE SPECIFICATIONS.
12. SURVEY MONUMENTS THE CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT THE CONTRACTOR'S EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
13. CONSTRUCTION LIMITS THE CONTRACTOR WILL BE REQUIRED TO CONFINE THEIR WORK WITHIN THE CONSTRUCTION LIMITS AND/OR R.O.W. TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES.
14. BUILDING DAMAGE IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT BUILDING STRUCTURES ADJACENT TO THE PROJECT NOT BE DAMAGED DUE TO ANY CONSTRUCTION ACTIVITIES. DAMAGE CAUSED TO ANY BUILDING STRUCTURE WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING ALL COSTS INCURRED IN RESTORING/REPAIRING SAID DAMAGE.
15. PEDESTRIAN ACCESS THE CONTRACTOR SHALL SUBMIT A PROPOSED WORK PLAN FOR PEDESTRIAN IMPROVEMENTS TO THE CITY PROJECT MANAGER FOR REVIEW AND APPROVAL PRIOR TO INITIATING THIS WORK. THIS PLAN SHALL INCLUDE THE METHOD PROPOSED TO MAINTAIN PEDESTRIAN ACCESS TO BUSINESSES, SCHOOLS, HOSPITALS, BUILDINGS, ETC. THROUGHOUT THE PEDESTRIAN IMPROVEMENTS CONSTRUCTION IN PARTICULAR. THE CONTRACTOR, AT MINIMUM, SHALL MAINTAIN A 36" CLEAR PATH FOR PEDESTRIANS SO AS TO MEET ADA ACCESSIBILITY REQUIREMENTS.
16. NEWS MEDIA THROUGHOUT THE LIFE OF THIS PROJECT, THE CONTRACTOR SHALL KEEP THE LOCAL NEWS MEDIA INFORMED OF CONSTRUCTION ACTIVITIES WHICH WILL IMPEDE THE NORMAL FLOW OF TRAFFIC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
17. AS-BUILTS THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN TWO WEEKS, AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE PROJECT MANAGER THROUGHOUT THE PROJECT AND WILL BE REVIEWED BY THE PROJECT MANAGER FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED AND ACCEPTED BY THE CITY PROJECT MANAGER PRIOR TO FINAL PAYMENT.
18. GRAFFITI THE CONTRACTOR SHALL MAINTAIN A GRAFFITI FREE WORK SITE AND SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT AND ROADWAY FEATURES, WHETHER PERMANENT OR TEMPORARY. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASURE OR PAYMENT WILL BE MADE THEREFOR.
19. CONSTRUCTION SIGNING CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT IS ACCEPTED BY THE CITY.

20. EXISTING TIE-IN ALL NEW STREET PAVING, CURB AND GUTTER, SIDEWALKS OR DRIVE PADS SHALL MATCH THE ELEVATIONS OF ABUTTING EXISTING AREAS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE CITY PROJECT MANAGER.
21. PULL BOX WHERE PULL BOXES ABUT BACK OF CURB OR ARE LOCATED IN A CONCRETE PAVED AREA, PROVIDE 3/4" EXPANSION MATERIAL AROUND THE PULL BOX. ALL PULL BOXES TO BE FLUSH WITH SURFACE OF CONCRETE.
22. SAW CUT WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT, TO FULL PAVEMENT DEPTH, THE EXISTING PAVEMENT TO A NEAT VERTICAL STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING. THIS WORK SHALL BE CONSIDERED INCIDENTAL AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFOR.
23. SUBGRADE PREP THE SUBGRADE PREP SHALL EXTEND ONE (1) FOOT BEYOND THE FREE EDGE OF NEW SIDEWALK.
24. DAMAGE REPAIR THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT STRIPING & MARKINGS, CURB AND GUTTER, DRIVEPADS, HANDICAP RAMPS, SIDEWALK AND ANY OTHER PUBLIC INFRASTRUCTURE DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REMOVE AND REPLACE AS PER COA STANDARDS AT THEIR OWN EXPENSE.
25. REMOVALS THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THE PROJECT. ADDITIONAL REMOVALS NOT SHOWN ON THE PLANS WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR 202.01 - REMOVE AND SALVAGE OR DISPOSE STRUCTURES AND OBSTRUCTIONS. HAULING OF REMOVALS AND MATERIAL TO BE DISPOSED SHALL BE PAID FOR UNDER BID ITEM NO. 202.01.
26. CONCRETE REMOVAL WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE TO NEAREST JOINT.
27. DISPOSALS ALL CONSTRUCTION DEBRIS, SPOIL AND NON-SALVAGEABLE ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND PROPER DISPOSAL OF THESE ITEMS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY HAUL COSTS ASSOCIATED WITH THIS WORK IS CONSIDERED INCIDENTAL TO THE PROJECT.
28. SALVAGEABLE MATERIALS FROM THIS PROJECT ARE TO BE HAULED AND STOCKPILED AT THE FOLLOWING LOCATIONS: LUMINAIRES, SIGNAL ITEMS AND SIGNING CITY OF ALBUQUERQUE PINO YARDS, HAUL OF SUCH MATERIAL SHALL BE PERFORMED DURING NORMAL WORKING HOURS AS DIRECTED BY THE CITY PROJECT MANAGER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE FOR EACH SALVAGE ITEM.
29. BACKFILL COMPACTION ALL TRENCH EXCAVATION BACKFILL WITHIN THE ROADWAY PRISM SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR PER ASTM D-698 OR D-1557 AND COA STD. DWG. 2465 AS APPLICABLE.
30. R-VALUE THE DESIGN R-VALUE FOR THIS PROJECT IS 50. WHERE SOILS WITH AN R-VALUE OF LESS THAN 50 OCCUR AT FINISHED SUBGRADE ELEVATION OF PAVED ROADWAY AREAS, THESE SOILS SHALL BE OVER EXCAVATED A VERTICAL DEPTH OF AT LEAST TWO (2) FEET AND FOR A LATERAL DISTANCE OF AT LEAST TWO (2) FEET OUTSIDE OF THE BACK EDGE OF CURB (SEE CITY OF ALBUQUERQUE STANDARD DESIGN SECTIONS). THE OVER EXCAVATED MATERIAL SHALL BE REPLACED WITH A MATERIAL HAVING AN R-VALUE OF AT LEAST 50. OVER EXCAVATION WILL BE PAID FOR UNDER COA ITEM NO. 202.011 - EXCAVATE AND DISPOSE OF UNSUITABLE MATERIAL, COMPLETE.
31. EXISTING UTILITIES IN PLAN ALL EXISTING UTILITIES SHOWN HEREIN WERE TAKEN FROM RECORD DRAWINGS, FIELD SURVEYS, C.O.A. SYSTEMS UTILITIES MAPS AND INFORMATION PROVIDED BY THE UTILITY OWNERS AND ARE APPROXIMATE. IT WILL BE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS AND TYPE OF EXISTING UTILITIES TO BE ADJUSTED OR EXTENDED AND TO PROVIDE PROTECTION FOR ALL UTILITIES WITHIN THE CONSTRUCTION AREA.
32. AVOIDING UTILITIES THE CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION THAT MIGHT RESULT FROM PROJECT CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AND PRESERVE UTILITY EQUIPMENT AFFECTED BY PROJECT CONSTRUCTION. SHOULD THE CONTRACTOR BREAK AN EXISTING UTILITY LINE DURING CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL BE RESPONSIBLE FOR UTILITY REPAIR COSTS.
33. IDENTIFYING UTILITIES THE CONTRACTOR WILL EXPLORE AND IDENTIFY ALL EXISTING UTILITIES AND STORM DRAINAGE PIPE PRIOR TO COMMENCING ANY BORING OPERATIONS. THE CONTRACTOR WILL OFFSET THE PROPOSED DRAINAGE PIPES SO THAT THE BORING OPERATION WILL NOT DAMAGE THE EXISTING PIPE. THE CONTRACTOR WILL PROVIDE A BORING LAYOUT TO THE PROJECT MANAGER 24 HOURS PRIOR TO BEGINNING THE BORING. COST FOR THIS WORK WILL BE CONSIDERED AS INCIDENTAL TO CONSTRUCTION.
34. UTILITY LOCATIONS THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND TYPE OF EXISTING UTILITIES TO BE ADJUSTED OR EXTENDED.
35. OFF-DUTY POLICE OFFICER WHEN EXISTING TRAFFIC SIGNALS ARE TURNED OFF, THE CONTRACTOR SHALL HAVE AN OFF-DUTY POLICE OFFICER DIRECT TRAFFIC. THIS WORK SHALL BE INCIDENTAL TO CONSTRUCTION AND NO ADDITIONAL PAYMENT WILL BE MADE.
36. MATCHING EXISTING GRADES WHERE A PROFILE GRADE IS NOT PROVIDED IN THE PLANS, STREET CENTERLINE GRADES SHALL BE RESTORED BY THE CONTRACTOR TO THE EXISTING CENTERLINE GRADES. CROSS SECTION THE EXISTING ROAD PRIOR TO CONSTRUCTION AS NEEDED TO MATCH EXISTING. MINOR ADJUSTMENTS TO THE STREET GRADES MAY BE NECESSARY AND WILL BE DIRECTED BY THE CITY PROJECT MANAGER. MINOR ADJUSTMENTS TO THE STREET GRADES WILL BE CONSIDERED INCIDENTAL TO THE PAVING BID ITEMS. SMOOTH TRANSITIONS SHALL BE MADE BETWEEN EXISTING PAVEMENT WHICH REMAINS IN PLACE AND PAVEMENT WHICH IS BEING REPLACED. TRAFFIC CONTROL DEVICES, INCLUDING PAVEMENT MARKINGS, MUST BE RESTORED TO THE SAME OR BETTER CONDITION AS BEFORE CONSTRUCTION.
37. IF HUMAN REMAINS ARE ENCOUNTERED, THE CONTRACTOR SHALL CEASE ALL WORK, AND CONTACT THE OFFICE OF MEDICAL EXAMINER FOR FURTHER INSTRUCTIONS.



<div>CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION</div>			
CENTRAL AVE AND GIRARD BLVD INTERSECTION IMPROVEMENTS GENERAL NOTES			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
City Project No. COA 7878.59		Zone Map No. K16	Sheet 2 OF 11

ITEMS LISTED ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS, AND MAY NOT BE COMPLETE. THIS LIST DOES NOT INCLUDE ANY INCIDENTAL WORK OR MATERIALS REQUIRED BY THE SPECIAL PROVISIONS, SERIALS (STANDARD DETAILS), SUPPLEMENTAL SPECIFICATIONS, OR THE STANDARD SPECIFICATIONS.


- UTILITY OWNERS:

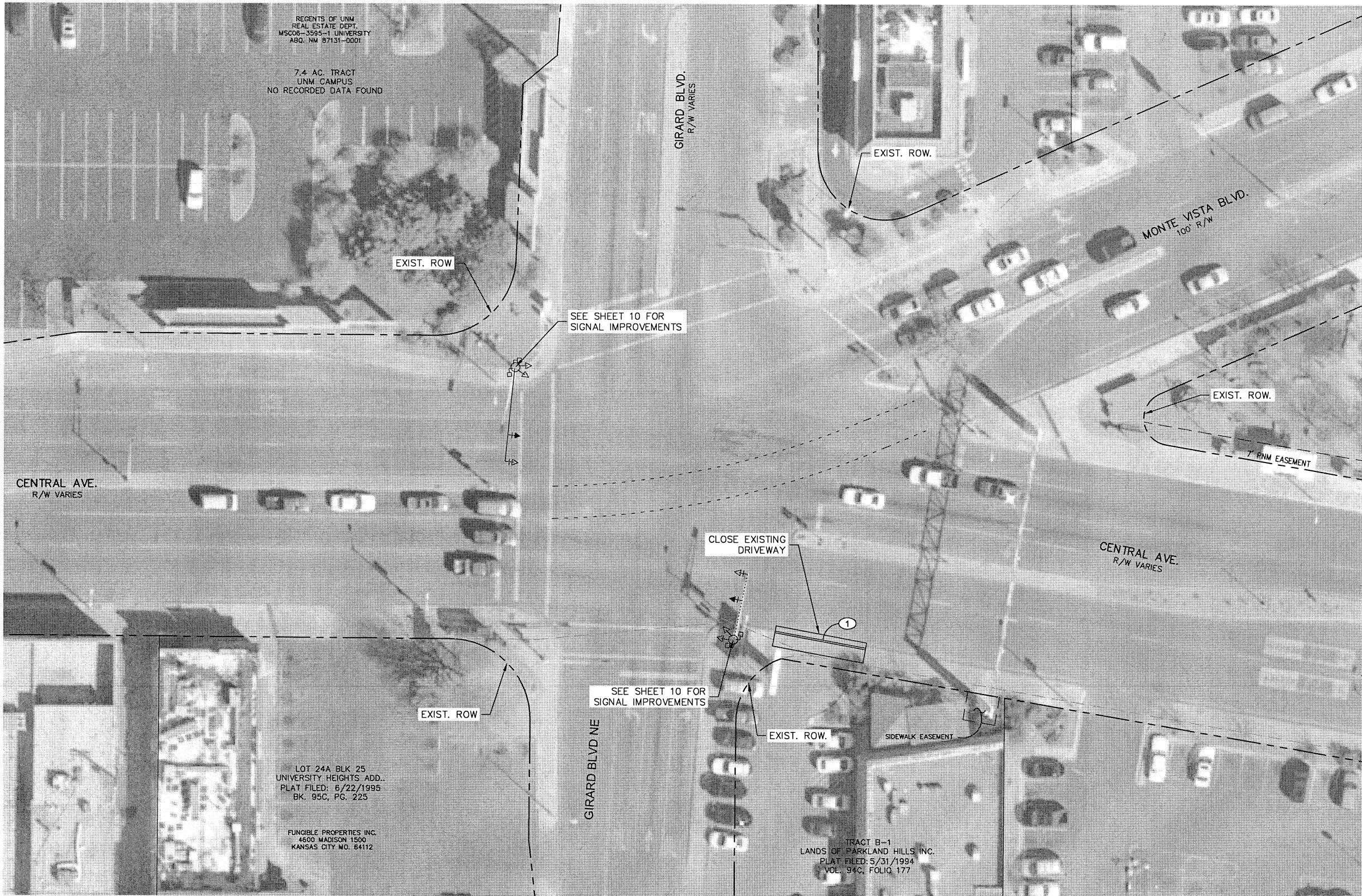
SUMMARY OF QUANTITIES:

ITEM NO.	BID ITEM	UNITS	TOTAL
340.010	SIDEWALK, 4" THICK, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE COMPACTION, CIP. SD 2430	SY	20
340.05	CURB & GUTTER, STANDARD, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE PREPARATION, CIP. SD 2415	LF	35
343.080	EXISTING CURB & GUTTER OR VALLEY GUTTER, PC CONCRETE ,REMOVE & DISPOSE, COMPL.	LF	35
343.085	EXISTING SIDEWALK, 4" PC CONCRETE, REMOVE & DISPOSE	SY	20
422.018	TRAFFIC SIGNAL MASTARM, 35' ARM, TYPE II, TROMBONE, CIP.	EA	1
422.110	TRAFFIC SIGNAL MASTARM, ANY SIZE, REMOVE & SALVAGE, COMPL.	EA	1
426.010	MULTI-CONDUCTOR CABLE, #5, CIP.	LF	230
426.101	EXISTING WIRING, REMOVE & DISPOSE, COMPL.	LS	1
427.002	3 SECTION TRAFFIC SIGNAL ASSEMBLY, CIP.	EA	2
427.XXX	TRAFFIC SIGNAL VISOR	EA	8
427.031	3 SECTION BACKPLATE, CIP.	EA	3
441.001	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 4" WIDTH, CIP.	LF	100
441.005	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 24" WIDTH, CIP.	LF	530
441.010	REFLECTORIZED PLASTIC ARROW, RIGHT, CIP.	EA	6
441.011	REFLECTORIZED PLASTIC ARROW, LEFT, CIP.	EA	7
441.012	REFLECTORIZED PLASTIC ARROW, THRU, CIP.	EA	4
441.020	REFLECTORIZED PLASTIC WORD, ONLY, CIP.	EA	9
443.101	REMOVAL OF PAVEMENT STRIPE, ANY WIDTH, PAINTED OR PLASTIC, COMPL.	LF	815
443.102	REMOVAL OF PAVEMENT ARROW, SYMBOL, OR WORD, PAINTED OR PLASTIC, COMPL.	EA	23
450.001	ALUMINUM PANEL SIGN, CIP.	SF	20

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES				CONTRACTOR	
		NO.	BY	DATE			WORK ORDERED BY
							DATE
							INSPECTOR'S ACCEPTANCE BY
							DATE
		NO. DATE	REMARKS				VERIFICATION BY
							DATE
							DRAWINGS APPROVED BY
							DATE
							<i>MICRO-FILM INFORMATION</i>
							RECORDED BY
							DATE
							NO.
DESIGNED BY: PS		DATE	06/14/11				
DRAWN BY: KC		DATE	06/14/11				
CHECKED BY: DC		DATE	06/14/11				



	CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION												
CENTRAL AVE AND GIRARD BLVD INTERSECTION IMPROVEMENTS INCIDENTAL ITEMS AND UTILITY CONTACTS													
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL												
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City Project No.	Zone Map No.	Sheet											
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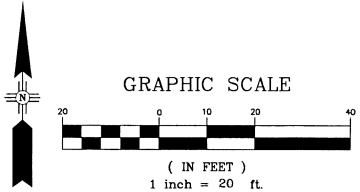
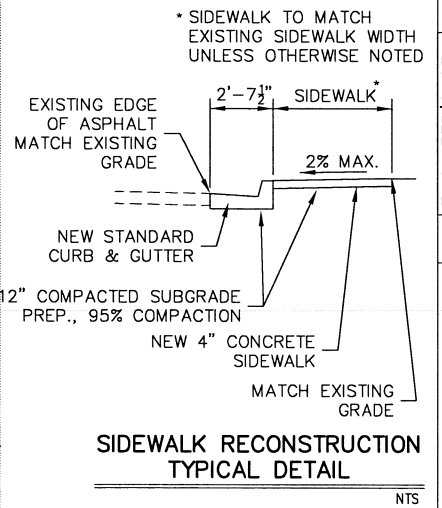


GENERAL NOTES

1. CONCRETE CURB/SIDEWALK/PAVING SHALL BE REMOVED TO NEAREST EXPANSION JOINT AS REQUIRED TO CONSTRUCT IMPROVEMENTS.

KEYED NOTES:

1. REMOVE AND DISPOSE OF EXISTING CURB AND DRIVEPAD AS REQUIRED. RECONSTRUCT CURB AND GUTTER (COA DWG. 2415A/2415B) AND SIDEWALK (COA DWG. 2430) PER DETAIL BELOW.



CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
CENTRAL AVE AND GIRARD BLVD INTERSECTION IMPROVEMENTS INTERSECTION LAYOUT PLAN			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
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GENERAL NOTES FOR PAVEMENT MARKINGS

1. ALL PAVEMENT MARKINGS SHALL CONFORM TO THE CITY OF ALBUQUERQUE STANDARDS AND SPECIFICATIONS OR THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, CURRENT EDITION.
2. THE PERMANENT PAVEMENT MARKINGS MAY BE MODIFIED AS DIRECTED BY THE PROJECT MANAGER.
3. THE CONTRACTOR MAY BE REQUIRED BY THE PROJECT MANAGER TO PREPARE AS-BUILT DRAWINGS OF THE EXISTING STRIPING AND PAVEMENT MARKINGS PRIOR TO CONSTRUCTION. THIS WORK WILL BE CONSIDERED INCIDENTAL TO SIGNING AND STRIPING AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFOR.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF THE PAVEMENT MARKINGS ON FINAL SURFACE COURSE FOLLOWING CONTROL POINTS THAT HAVE BEEN SET NO MORE THAN 50 FEET APART ALONG THE LINES TO BE STRIPED. THE LAYOUT OF ALL PAVEMENT MARKINGS SHALL BE APPROVED BY IVAN CHAVEZ OR TED KORBIN (TRAFFIC ENGINEERING DEPT.) PRIOR TO THE APPLICATION OF MATERIALS.
5. ALL LANE DIMENSIONS ARE FROM CENTER OF LANE STRIPE, CENTER OF DOUBLE LANE STRIPE, FACE OF CURB, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
6. THE FINAL LONGITUDINAL STRIPING SHALL BE 60 MIL. (0.060") THICK PLASTIC RETROREFLECTORIZED STRIPING PLACED OVER THE TEMPORARY STRIPING WITHIN 14 TO 30 CALENDAR DAYS AFTER COMPLETION OF THE FINAL PAVEMENT SURFACE, OR AS DIRECTED BY THE PROJECT MANAGER. ALL OTHER MARKINGS SHALL BE APPLIED AT THE SAME TIME. TEMPORARY STRIPING SHALL BE PAINT UNLESS OTHERWISE NOTED.
7. ALL FINAL TRANSVERSE MARKINGS SHALL BE 90 MIL (0.090") PLASTIC RETROREFLECTORIZED STRIPING. ALL PAVEMENT ARROWS AND LEGENDS SHALL BE A RETROREFLECTORIZED PREFORMED PLASTIC PAVEMENT MARKING.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE FINAL SURFACE COURSE IS PLACED SO THAT THE STRIPING IS OFFSET ONE (1) FOOT CLEAR OF THE PAVEMENT CONSTRUCTION JOINT, UNLESS OTHERWISE DIRECTED BY THE PROJECT MANAGER.
9. THE CONTRACTOR SHALL CLEAN THE ROADWAY SURFACE TO THE SATISFACTION OF THE PROJECT MANAGER BY SWEEPING AND AIR-JET BLOWING IMMEDIATELY PRIOR TO THE PLACEMENT OF ALL PAVEMENT MARKINGS. THE TEMPERATURE SHALL NOT BE LESS THAN 50°F FOR THE PLACEMENT OF THERMOPLASTIC STRIPING, AND 40°F FOR THE PLACEMENT OF RAISED PAVEMENT MARKERS (RPM'S).
10. THE PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS, DETAILS AND STANDARDS WHEN INSTALLING STRIPING, PAVEMENT MARKINGS AND MARKERS.
11. STRIPING ERADICATION SHALL BE ACCOMPLISHED BY WATER BLASTING OR SURFACE PLANING OF THE ROADWAY TO A MAXIMUM DEPTH OF 0.25 INCHES AND FOR A WIDTH EQUAL TO TWO (2) TIMES THE WIDTH OF THE STRIPE OR MARKING TO BE REMOVED. PAINTING OVER EXISTING DOES NOT CONSTITUTE APPROVED REMOVAL OR OBLITERATION.

INCIDENTAL ITEMS

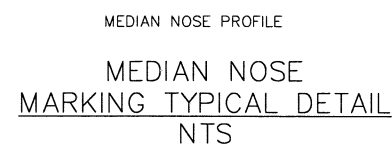
1. MEDIAN NOSE YELLOW PAINT PER NOTE ON SHEET 7.

SUMMARY OF QUANTITIES

ITEM NO.	BID ITEM	UNITS	TOTAL
441.001	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 4" WIDTH, CIP.	LF	100
441.005	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 24" WIDTH, CIP.	LF	530
441.010	REFLECTORIZED PLASTIC ARROW, RIGHT, CIP.	EA	6
441.011	REFLECTORIZED PLASTIC ARROW, LEFT, CIP.	EA	7
441.012	REFLECTORIZED PLASTIC ARROW, THRU, CIP.	EA	4
441.020	REFLECTORIZED PLASTIC WORD, ONLY, CIP.	EA	9
443.101	REMOVAL OF PAVEMENT STRIPE, ANY WIDTH, PAINTED OR PLASTIC, COMPL.	LF	815
443.102	REMOVAL OF PAVEMENT ARROW, SYMBOL, OR WORD, PAINTED OR PLASTIC, COMPL.	EA	23
450.001	ALUMINUM PANEL SIGN, CIP,	SF	20



CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
CENTRAL AVE AND GIRARD BLVD INTERSECTION IMPROVEMENTS SIGNING & STRIPING NOTES AND QUANTITIES			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
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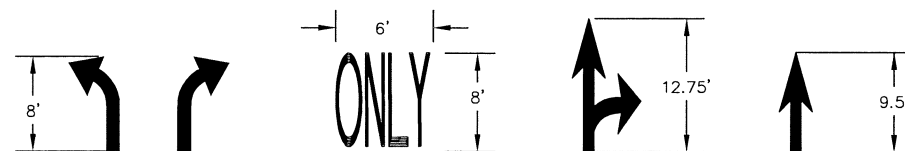
NOTE: TOP AND FACE OF MEDIAN CURB SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT FROM NOSE BACK 5' OR TO THE P.C., WHICH EVER IS GREATER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO SIGNING AND STRIPING AND NO ADDITIONAL PAYMENT SHALL BE MADE.



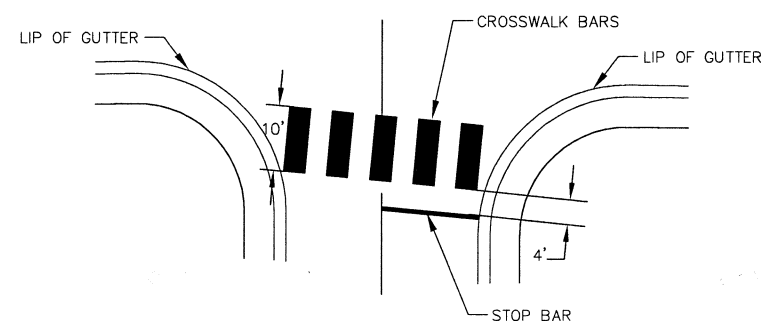
R3-4-24 (R-B/W) 24" X 24" (MOUNT ON PEDESTAL POLE)	R3-2-24 (R-B/W) 24" X 24" (MOUNT ON PEDESTAL POLE)



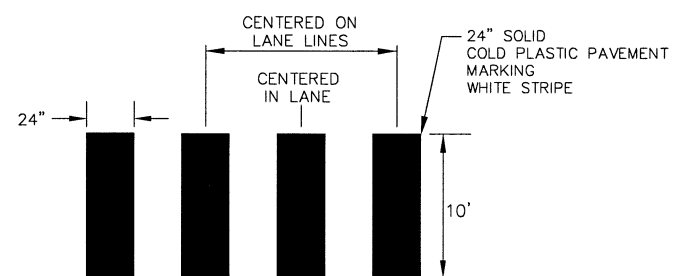
PERMANENT SIGNING DETAILS
NTS



PAVEMENT SYMBOL MARKING DETAILS



CROSSWALK &
STOP BAR TYPICAL
NTS




CROSSWALK BAR SPACING DETAIL
NTS

[illegible]

* NO ADDITIONAL POST NEEDED (SIGN TO BE MOUNTED ON EXISTING MASTARM OR PEDESTAL POLE)
NOTE: SEE NMDOT STANDARD SERIAL "SN-75-1" (SHEETS 1 & 2) FOR ADDITIONAL INFORMATION



	CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION														
	CENTRAL AVE AND GIRARD BLVD INTERSECTION IMPROVEMENTS SIGNING AND STRIPING DETAILS														
DESIGN REVIEW COMMITTEE	QTY ENGINEER APPROVAL		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">MO./DAY/YR.</th> <th style="width: 15%;">MO./DAY/YR.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	MO./DAY/YR.	MO./DAY/YR.										
MO./DAY/YR.	MO./DAY/YR.														
City Project No. COA 7878.59	Zone Map No. K16	Sheet 7 OF 11													



TRAFFIC SIGNAL NOTES

1. THE CONTRACTOR SHALL CONTACT THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING FOR APPROVED PRODUCTS LISTING FOR TRAFFIC SIGNAL COMPONENTS.
2. LOCATIONS OF CONDUITS, FOUNDATIONS, CONTROL CABINETS, POLES, PULL BOXES, MANHOLES, AND SPLICE CABINETS SHOWN ON THE PLANS ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD TO AVOID UTILITIES AND TO MAXIMIZE CLEAR SPACE AVAILABLE FOR PEDESTRIANS AND WHEELCHAIRS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. THE CONTRACTOR SHALL MEET WITH THE PROJECT MANAGER IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING THE WORK. ALL SUCH EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY.
3. THE CONTRACTOR IS WARNED THAT EXISTING CONDUITS MAY CONTAIN AC POWER AND CAUTION SHALL BE EXERCISED IN INTERCEPTING OR INSTALLING CABLE IN EXISTING CONDUIT.
4. MASTARMS SHALL BE PLACED 90° TO THE CENTERLINE UNLESS OTHERWISE NOTED.
5. SPLICING VIDEO DETECTION COAXIAL CABLE WILL NOT BE PERMITTED BETWEEN THE MASTARM BASE AND THE CONTROLLER CABINET. SPLICING OF OPTICAL DETECTOR CABLE WILL NOT BE PERMITTED FROM THE OPTICAL DETECTOR TO THE CONTROLLER CABINET.
6. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE SIGNAL LAB THREE (3) WORKING DAYS IN ADVANCE OF ANY ANTICIPATED WORK ON SIGNALS, LIGHTING, AND POWER SERVICES. CITY TRAFFIC ENGINEERING PERSONNEL MUST BE PRESENT WHEN SIGNALS ARE SHUT OFF OR TURNED ON. THE CONTRACTOR SHALL ALSO NOTIFY THE CITY OF ALBUQUERQUE EACH TIME A TRAFFIC SIGNAL CONTROLLER DOOR IS OPENED. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE SIGNAL LAB TWO (2) WEEKS PRIOR TO TURNING ON NEW SIGNALS.
7. THE CONTRACTOR SHALL REMOVE ALL CONFLICTING SIGNING AND DELIVER THE SIGNING TO THE CITY OF ALBUQUERQUE PINO YARDS WHEN TRAFFIC SIGNALS ARE PUT INTO OPERATION.
8. FOR CONDUITS CONTAINING ONLY LOW VOLTAGE COMMUNICATIONS CABLES THE REQUIREMENTS FOR SINGLE CONDUCTOR BARE COPPER #8 AWG MAY BE WAIVED WHERE PERMITTED BY THE NATIONAL ELECTRICAL CODE.
9. EXISTING CONDUITS TO BE REMOVED OR ABANDONED SHALL HAVE ALL WIRING REMOVED.
10. EXISTING CONDUITS SHALL BE REPAIRED, ADJUSTED, OR REPLACED AS DIRECTED BY THE PROJECT MANAGER WHERE ELECTRICAL PULL BOXES OR TRAFFIC MANHOLES ARE INSTALLED OR REPLACED.
11. THE CONTRACTOR SHALL ARRANGE TO HAVE OFF-DUTY POLICE OFFICERS DIRECT TRAFFIC WHEN NEW SIGNALS ARE PLACED INTO OPERATION OR WHEN EXISTING SIGNALS ARE TEMPORARILY SHUT OFF.
12. THE EXISTING TRAFFIC SIGNAL EQUIPMENT INCLUDING POLES, CONTROLLER, CABINETS, SIGNAL HEADS, PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, FITTINGS, BACK PLATES, LOAD SWITCHES, CONFLICT MONITORS, AND DETECTORS SHALL BE DELIVERED TO THE CITY OF ALBUQUERQUE PINO YARD.
13. THE CONTRACTOR SHALL FURNISH FOUNDATION ELEVATIONS TO THE PROJECT MANAGER FOR APPROVAL BEFORE INSTALLATION. THE CONTRACTOR SHALL GRADE AROUND THE FOUNDATIONS TO PROVIDE TRAVERSABLE SLOPES AS DIRECTED BY THE PROJECT MANAGER. THE CONTRACTOR SHALL SUBMIT CROSS-SECTIONS FOR APPROVAL BASED ON ACTUAL FIELD ELEVATIONS. ALL EXCAVATION AND/OR EMBANKMENT REQUIRED WILL BE CONSIDERED INCIDENTAL.
14. SIGNALS NEAR EXISTING OVERHEAD POWER LINES MUST MAINTAIN A VERTICAL CLEARANCE AND/OR A HORIZONTAL CLEARANCE FROM THE CLOSEST PHASE CONDUCTOR. PNM ELECTRIC WILL ASSIST IN MEASUREMENT AND DETERMINATION OF CLEARANCE.
15. ALL CONDUIT INSTALLED IN A TRENCH SHALL BE FLAGGED WITH CAUTION TAPE ONE FOOT ABOVE THE CONDUIT.

INCIDENTAL ITEMS

1. REMOVAL OF EXISTING PULL BOXES, CONDUITS, POLES AND OTHER SIGNAL EQUIPMENT FOR INSTALLATION OF NEW SIGNAL EQUIPMENT.
2. CABLE TESTING AND DIAGRAMS.
3. BORING, DRILLING, PUSHING, AND TRENCHING, INCLUDING REMOVAL AND REPLACEMENT OF PAVEMENT, SIDEWALKS, DRIVEPADS, VALLEY GUTTERS, WHEELCHAIR RAMPS, CURB AND GUTTER, AND LANDSCAPING (INCLUDING SPRINKLERS), FOR INSTALLATION OF PULL BOXES, CONDUITS, AND SIGNAL FOUNDATIONS, EXCEPT AS NOTED ON THE PLANS.
4. LOCATION OF UTILITY LINES INCLUDING EXPLORATORY TRENCHING AND EXPOSING OF GAS LINES WHEN BORING.
5. DESIGN, MATERIALS, INSTALLATION AND REMOVAL OF SAFETY BARRIER FOR SHIELDING EQUIPMENT OR MATERIAL.
6. APPRISING PUBLIC THROUGH THE LOCAL NEWS MEDIA.
7. HAULING OF MATERIAL TO BE DISPOSED.
8. REMOVAL, SALVAGE, AND TRANSPORTATION OF EXISTING SIGNAL EQUIPMENT TO THE CITY OF ALBUQUERQUE PINO YARDS.
9. LEAN FILL FOR CONDUIT TRENCHES.
10. PULL BOX ADJUSTMENT TO GRADE.
11. OFF-DUTY POLICE OFFICER FOR TRAFFIC CONTROL.
12. REMOVAL AND REPLACEMENT IN KIND OR BETTER OF LANDSCAPING INCLUDING SPRINKLERS FOR INSTALLATION OF PULL BOXES, CONDUITS AND SIGNAL FOUNDATIONS.
13. REMOVAL AND REINSTALLATION OF EXISTING INTERCONNECT COMMUNICATION CABLE IN NEW RELOCATED CONDUIT RUNS.
14. EMBANKMENT MATERIAL (TRAFFIC SIGNAL NOTE #13).
- * ITEMS LISTED ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS, AND MAY NOT BE COMPLETE. THIS LIST DOES NOT INCLUDE ANY INCIDENTAL WORK OR MATERIALS REQUIRED BY THE SPECIAL PROVISIONS SERIALS (STANDARD DETAILS), SUPPLEMENTAL SPECIFICATIONS, OR THE STANDARD SPECIFICATIONS.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REMARKS		DESIGN		MICRO-FILM INFORMATION			
CONTRACTOR	DATE			FIELD NOTES	BY	DATE	[Seal Area]	NO.	DATE	BY	DATE	PS	KC	PS	
INSPECTED BY	DATE														
ACCEPTANCE BY	DATE														
VERIFICATION BY	DATE														
DRAWINGS	DATE														
RECORDED BY	DATE														
NO.															

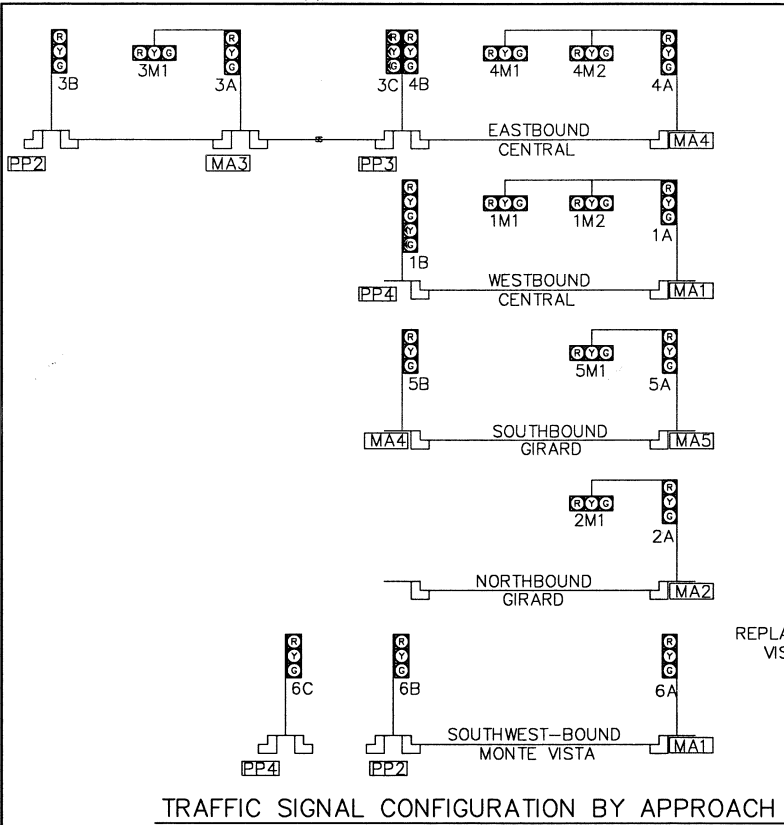


CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
CENTRAL AVE AND GIRARD BLVD INTERSECTION IMPROVEMENTS TRAFFIC SIGNAL GENERAL NOTES			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
City Project No. COA 7878.59	Zone Map No. K16	Sheet 8	OF 11

TRAFFIC SIGNAL QUANTITIES			
ITEM NO.	BID ITEM	UNITS	TOTAL
422.018	TRAFFIC SIGNAL MASTARM, 35' ARM, TYPE II, TROMBONE, CIP.	EA	1
422.110	TRAFFIC SIGNAL MASTARM, ANY SIZE, REMOVE & SALVAGE, COMPL.	EA	1
426.010	MULTI-CONDUCTOR CABLE, #5, CIP.	LF	230
426.101	EXISTING WIRING, REMOVE & DISPOSE, COMPL.	LS	LS
427.002	3 SECTION TRAFFIC SIGNAL ASSEMBLY, CIP.	EA	2
427.XXX	TRAFFIC SIGNAL VISOR	EA	8
427.031	3 SECTION BACKPLATE, CIP.	EA	3



CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
CENTRAL AVE AND GIRARD BLVD INTERSECTION IMPROVEMENTS TRAFFIC SIGNAL QUANTITIES			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
City Project No. COA 7878.59	Zone Map No. K16	Sheet 9	OF 11

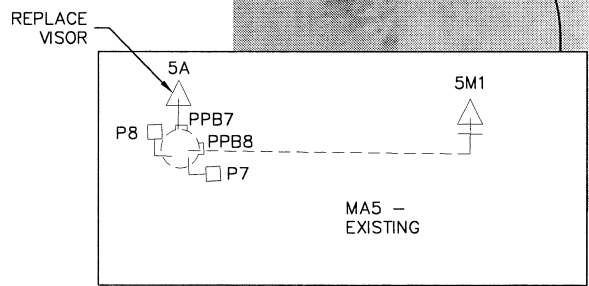
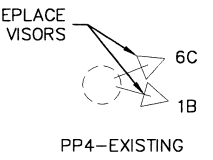


TRAFFIC SIGNAL CONFIGURATION BY APPROACH

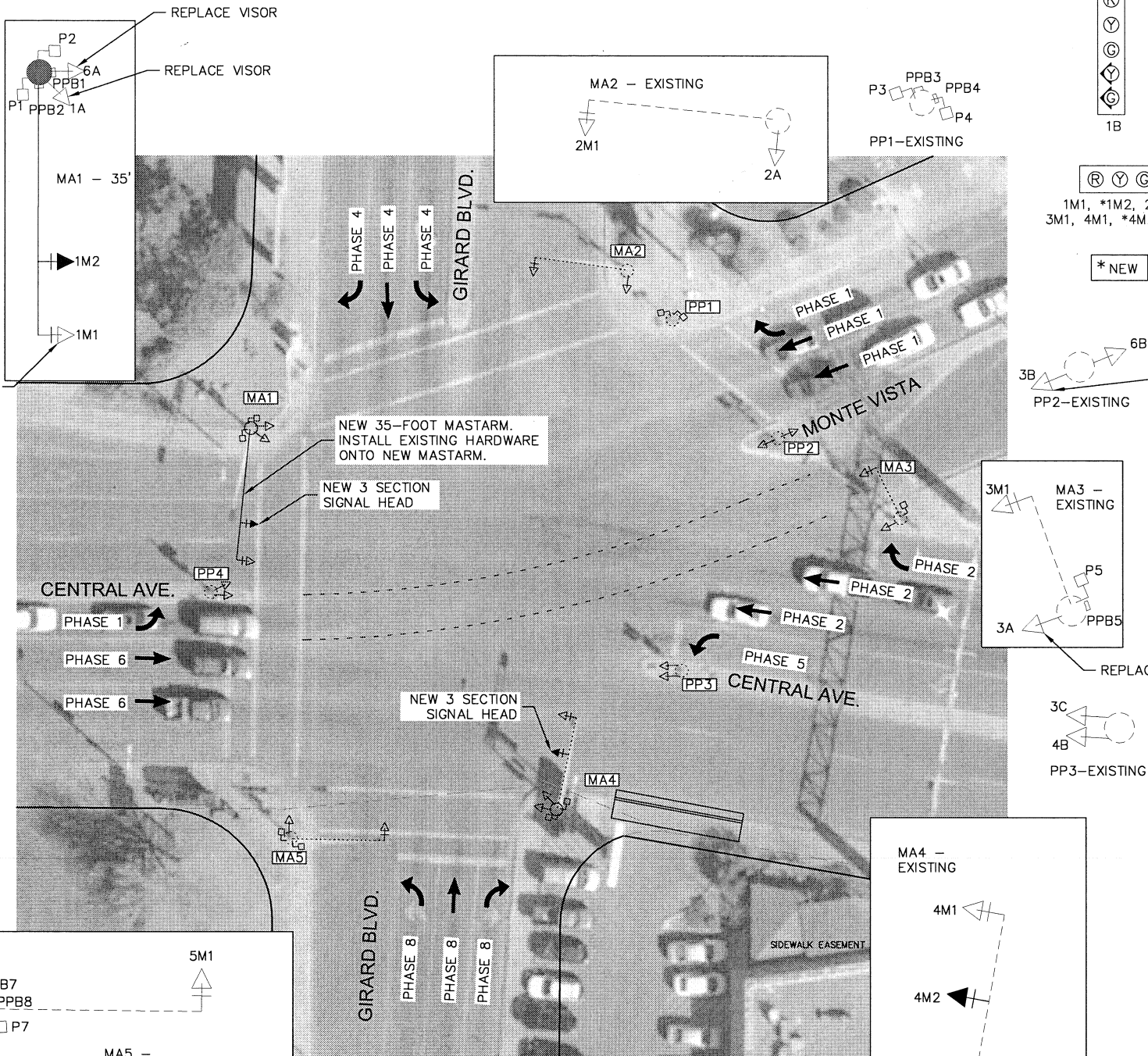
- NOTES**
1. ALL EQUIPMENT SHALL BE CONSTRUCTED WITHIN EXISTING R.O.W.
 2. ALL MASTARM LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION AS PER THE CITY OF ALBUQUERQUE TRAFFIC ENGINEER.
 3. ALL EXISTING SIGNAL HARDWARE SHALL BE REINSTALLED ON MA1 AS SHOWN IN THE PLAN. THE COST OF THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
 4. A PRE-CONSTRUCTION INSPECTION WITH THE CITY OF ALBUQUERQUE SIGNAL LAB SHALL BE CONDUCTED TO VERIFY ALL FUNCTIONING SIGNAL EQUIPMENT. THE COST OF THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.

- ABBREVIATIONS**
- MA1 MASTARM NUMBER
 - PP1 PEDESTAL POLE
 - CC CONTROLLER CABINET
 - PB1 PULL BOX NUMBER (SIGNALS)
 - PBL1 PULL BOX NUMBER (LIGHTING)
 - 3A SIGNAL HEAD NUMBER
 - CAM CAMERA DIRECTION
 - LUM LUMINAIRE
 - P1 PEDESTRIAN SIGNAL #
 - PPB1 PEDESTRIAN PUSH BUTTON #
 - SGN1 ILLUMINATED STREET NAME SIGN

- FLASH CONDITION**
- YELLOW BALL 1M1, 1M2, 1A, 1B
4M1, 4M2, 4A, 4B
 - RED BALL 2M1, 2A
3M1, 3A, 3B, 3C
5M1, 5A, 5B
6A, 6B, 6C



- INITIALIZATION**
ALL RED, THEN PHASES 2 AND 6 GREEN
- SYMBOL KEY**
- MA# MASTARM
 - PP# PEDESTAL POLE

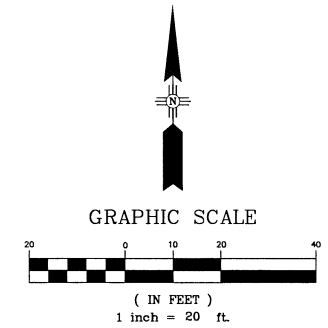
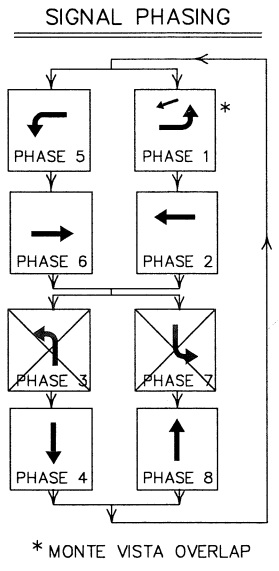
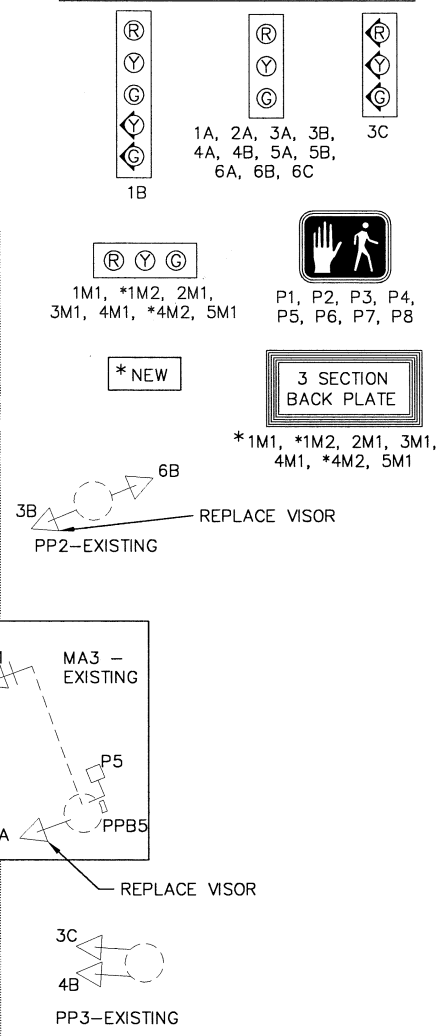


SIGNAL POLES AND MASTARMS

ID #	TYPE	STATION	OFFSET	CAMERA HEIGHT	LUMINAIRE ARM
MA1	TYPE II - 35'	**	**	-	-
MA2	TYPE II - EXISTING	EXISTING	EXISTING	-	-
MA3	TYPE II - EXISTING	EXISTING	EXISTING	-	-
MA4	TYPE II - EXISTING	EXISTING	EXISTING	-	-
MA5	TYPE II - EXISTING	EXISTING	EXISTING	-	-
PP1	TYPE I - EXISTING	EXISTING	EXISTING	-	-
PP2	TYPE I - EXISTING	EXISTING	EXISTING	-	-
PP3	TYPE I - EXISTING	EXISTING	EXISTING	-	-
PP4	TYPE I - EXISTING	EXISTING	EXISTING	-	-

** NEW MASTARM TO BE INSTALLED ON EXISTING FOUNDATION

TYPICAL SIGNAL FACE LENS ARRANGEMENTS



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

CENTRAL AVE AND GIRARD BLVD
INTERSECTION IMPROVEMENTS
TRAFFIC SIGNAL PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No. COA 7878.59 Zone Map No. K16 Sheet 10 OF 11

FUNCTION CHART - 24 VOLT CIRCUIT ³					
CONDUCTOR		RING 1 - MULTI CONDUCTOR CABLE 5		RING 2 - MULTI CONDUCTOR CABLE 5	
NUMBER	BASE COLOR	FUNCTION	FIELD CONNECTION	FUNCTION	FIELD CONNECTION
1	BLACK	PHASE 2	PPB2, PPB3, PPB 4, PPB5	SPARE	SPARE
2	WHITE	COMMON	COMMON	COMMON	COMMON
3	RED	PHASE 4	PPB1 & PPB8	SPARE	SPARE
4	GREEN	SPARE	SPARE	PHASE 6	PPB6 & PPB7
5	ORANGE	SPARE	SPARE	PHASE 8	SPARE
³ IDENTIFY CONDUCTORS LISTED AS "PP8 - LOW VOLTAGE" AT EACH SPLICE POINT. FIVE (5) CONDUCTOR CABLE SHALL BE 24 VOLTS AND USED FOR PUSH BUTTONS ONLY.					

FUNCTION CHART - 115 VOLT CIRCUIT ¹						
CONDUCTOR			RING 1 - MULTI CONDUCTOR CABLE 20		RING 2 - MULTI CONDUCTOR CABLE 20 ²	
CONDUCTOR NUMBER	BASE COLOR	TRACER	FUNCTION	FIELD CONNECTION	FUNCTION	FIELD CONNECTION
1	BLACK	-	SPARE	SPARE	SPARE	SPARE
2	WHITE	-	SPARE	SPARE	SPARE	SPARE
3	RED	-	PHASE 1 RED	RED BALL 3A, 3M1, 3B, 3C, 6A, 6B, 6C	PHASE 5 RED	SPARE
4	GREEN	-	PHASE 1 GREEN	GREEN BALL 3A, 3M1, 3B, 3C, 6A, 6B, 6C	PHASE 5 GREEN	GREEN LEFT TURN ARROW 1B
5	ORANGE	-	PHASE 1 YELLOW	YELLOW BALL 3A, 3M1, 3B, 3C, 6A, 6B, 6C	PHASE 5 YELLOW	YELLOW LEFT TURN ARROW 1B
6	BLUE	-	SPARE	SPARE	SPARE	SPARE
7	WHITE	BLACK	SPARE	SPARE	SPARE	SPARE
8	RED	BLACK	PHASE 2 RED	RED BALL 1A, 1B, 1M1, 1M2	PHASE 6 RED	RED BALL 4A, 4M1, 4M2, 4B
9	GREEN	BLACK	PHASE 2 GREEN	GREEN BALL 1A, 1B, 1M1, 1M2	PHASE 6 GREEN	GREEN BALL 4A, 4M1, 4M2, 4B
10	ORANGE	BLACK	PHASE 2 YELLOW	YELLOW BALL 1A, 1B, 1M1, 1M2	PHASE 6 YELLOW	YELLOW BALL 4A, 4M1, 4M2, 4B
11	BLUE	BLACK	PHASE 2 WALK	PEDESTRIAN WALK P2, P3, P4, P5	PHASE 6 WALK	PEDESTRIAN WALK P6, P7
12	BLACK	WHITE	PHASE 2 DON'T WALK	PEDESTRIAN DON'T WALK P2, P3, P4, P5	PHASE 6 DON'T WALK	PEDESTRIAN DON'T WALK P6, P7
13	RED	WHITE	PHASE 3 RED	SPARE	PHASE 7 RED	SPARE
14	GREEN	WHITE	PHASE 3 GREEN	SPARE	PHASE 7 GREEN	SPARE
15	BLUE	WHITE	PHASE 3 YELLOW	SPARE	PHASE 7 YELLOW	SPARE
16	BLACK	RED	PHASE 4 RED	RED BALL 5A, 5M1, 5B	PHASE 8 RED	RED BALL 2A, 2M1
17	WHITE	RED	PHASE 4 GREEN	GREEN BALL 5A, 5M1, 5B	PHASE 8 GREEN	GREEN BALL 2A, 2M1
18	ORANGE	RED	PHASE 4 YELLOW	YELLOW BALL 5A, 5M1, 5B	PHASE 8 YELLOW	YELLOW BALL 2A, 2M1
19	BLUE	RED	PHASE 4 WALK	PEDESTRIAN WALK P1, P8	PHASE 8 WALK	SPARE
20	RED	GREEN	PHASE 4 DON'T WALK	PEDESTRIAN DON'T WALK P1, P8	PHASE 8 DON'T WALK	SPARE
¹ IDENTIFY CONDUCTORS LISTED AS "115 VOLTS".						
² WRAP RING 2 CABLE AT EACH SPLICE POINT WITH COLORED ELECTRICAL TAPE. THE IDENTIFICATION MARKING SHALL BE PROVIDED ON EACH RING 2 CABLE AT EACH SPLICE AND LOCATED 6" BACK FROM THE END.						

CONDUIT AND CONDUCTOR FILL REQUIREMENTS					
RUN ID	CONDUIT RUN			CONDUCTOR LENGTH AND TYPE	
				MCC 5	MCC 7
MA1			BASE TO 1M1	1 @ 60'	
MA1			BASE TO 1M2	1 @ 50'	
MA1			BASE TO 1A	1 @ 20'	
MA1			BASE TO 6A	1 @ 20'	
MA1			BASE TO P1 & P2	2 @ 15'	
MA1			BASE TO PPB1 & PPB2	2 @ 5'	
MA4			BASE TO 4M2	1 @ 40'	
PROJECT TOTALS	0'	0'		230'	'

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR				FIELD NOTES			
WORK STARTED BY		DATE		BY	DATE		
INSPECTOR'S ACCEPTANCE BY		DATE					
FIELD PLACEMENT BY		DATE					
VERIFICATION BY		DATE					
DRAWINGS CHECKED BY		DATE					
CONDUCTOR BY							
MICRO-FILM INFORMATION							
RECORDED BY		DATE					
NO.							

CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
CENTRAL AVE AND GIRARD BLVD INTERSECTION IMPROVEMENTS TRAFFIC SIGNAL CABLES CONDUITS/FUNCTIONS			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
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