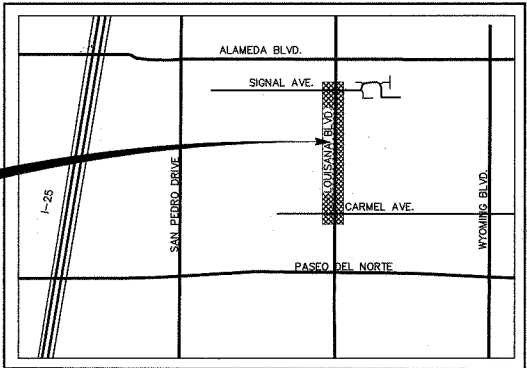


CITY OF ALBUQUERQUE
NEW MEXICO



CONSTRUCTION PLANS
FOR
LOUISIANA BOULEVARD IMPROVEMENT
CARMEL AVENUE TO SIGNAL AVENUE
COA PROJECT NO. 7432-91



COA PROJECT
NO. 7432-91
LOCATION

LOCATION MAP
ZONE ATLAS MAP C18-C19

NTS

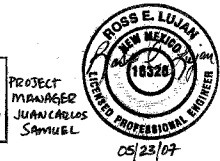
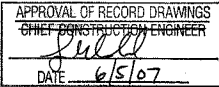
ENGINEER'S STATEMENT OF RECORD DRAWINGS

The undersigned, a professional engineer, on behalf of HDR Engineering, Inc., and its consultants (hereinafter referred to as the "Engineer"), which has performed professional services for the City of Albuquerque, New Mexico (hereinafter referred to as the "Owner"), for the construction of the Louisiana Boulevard Improvement Project located in Albuquerque, New Mexico (hereinafter referred to as the "Project"), hereby states: to the best of my knowledge and belief, the attached record drawings substantially depicts the "as-built" condition of the above referenced Project based upon the representations made to me by the construction contractor retained by the Owner to perform the construction and the engineer retained by the Owner to provide periodic construction observation services, as well as my own observations and that the Project has been completed in general accordance with the Contract Documents, and Amendments thereto, prepared by the Engineer

Dated this 23 day of May, 2007

HDR ENGINEERING, INC.

BY: Ross E. Lujan



NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

HDR

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454

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REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		*****	
		DRC Chairman	5-17-06	APPROVED FOR CONSTRUCTION		 City Engineer Date 5-17-06	
		Transportation	5/9/06				
		Water/Wastewater	5/16/06				
		Hydrology	5/16/06				
		Parks					
		Constr. Mngmt.					
		Constr. Coord.					
		City Project No.		Sheet		Of	
		7432-91		1		49	

PROPOSED	EXISTING	DESCRIPTION
		SANITARY SEWER MANHOLE
		STORM DRAIN MANHOLE
		TELEPHONE MANHOLE
		MANHOLE
		SANITARY SEWER LINE w/SIZE & TYPE
		STORM DRAIN LINE w/SIZE & TYPE
		WATER LINE w/SIZE & TYPE
		OVERHEAD ELECTRICAL LINE
		ELECTRICAL RISER
		UNDERGROUND ELECTRICAL/TRAFFIC CONTROL
		UNDERGROUND TELEPHONE
		OVERHEAD TELEPHONE
		GAS LINE w/SIZE & TYPE
		CABLE TELEVISION LINE
		ENCASEMENT
		STORM INLET (GRADE ELEVATION GIVEN IN PLANS IS EXTENDED FLOW LINE)
		WATER RISER
		WATER VALVE
		BUTTERFLY VALVE
		FIRE HYDRANT
		REDUCER
		SAS SERVICE CONNECTION
		WATER SERVICE CONNECTION
		TEES
		CROSSES
		BENDS
		CAPS & PLUGS
		WATER METER
		GAS METER
		GAS RISER
		VALVE BOX
		POWER POLE
		TRAFFIC SIGNAL
		TRAFFIC CONTROL BOX
		PULL BOX
		TELEPHONE RISER
		TELEPHONE BOOTH
		FIRE ALARM BOX
		CURB & GUTTER
		SIDEWALK
		BLOCK WALL
		CHAIN LINK FENCE
		FIELD FENCE
		RIGHT OF WAY LINES
		PROPERTY LINES(SIDE)
		PUBLIC EASEMENT
		POWER POLE w/LIGHT
		DRIVEWAY
		MOBILITY IMPAIRED ACCESS RAMP
		C.O.A. PROJECT CONTROL POINT OR A.C.S. MONUMENT DO NOT DISTURB
		TEST BORING
		HORIZ. & VERT. CONTROL
		TREE
		BUSH
		SIGN OR BILLBOARD
		PARKING BUMPER

GENERAL NOTES:

- 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 CONSTRUCTION PROJECT MANAGER.
- 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.
- NO MATERIAL PITS HAVE BEEN DESIGNATED FOR THIS PROJECT. THE CONTRACTOR MAY OBTAIN SPECIFICATION BORROW OR SURFACING MATERIAL FROM ANY ACCEPTABLE SOURCE.
- THE CONTRACTOR SHALL CLEAN ALL EXISTING STRUCTURES THAT ARE TO REMAIN OPERATIONAL. STRUCTURES SHALL BE CLEAN AT THE TIME OF FINAL PROJECT ACCEPTANCE. THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO CONSTRUCTION. NO SEPARATE MEASUREMENT AND PAYMENT WILL BE MADE FOR CLEANING OF STRUCTURES.
- SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-5400) PRIOR TO OCCUPYING AN INTERSECTION.
- THE CONTRACTOR SHALL BE RESTRICTED TO THE USE OF 35 TON NON-VIBRATING ROLLER MAXIMUM TO OBTAIN THE REQUIRED COMPACTION IN PAVEMENT STRUCTURE, ROADWAY BACKFILL, EMBANKMENT, AND SUBGRADES IN URBAN AREAS WHERE THE USE OF HEAVIER EQUIPMENT COULD DAMAGE UNDERGROUND UTILITIES OR OTHER PERMANENT STRUCTURES.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION THROUGH UPDATE NO.7, OR AS MODIFIED BY THE PROJECT SPECIFICATIONS TITLED LOUISIANA ROAD IMPROVEMENTS, AS STATED IN THE SPECIAL PROVISIONS.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- ALL NEW STREET PAVING, CURB AND GUTTER, SIDEWALKS OR DRIVEPADS SHALL MATCH THE ELEVATIONS OF ABUTTING EXISTING AREAS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE PROJECT MANAGER.
- THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE THEIR ACTIVITIES TO ALLOW ADDITIONAL CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS.
- 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.
- THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, OR SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE PER CITY OF ALBUQUERQUE STANDARDS AT HIS OWN EXPENSE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING, AT HIS OWN EXPENSE, ALL PERMITS NECESSARY FOR CONSTRUCTION.
- ALL WORK IMPACTING AN ARTERIAL ROADWAY WILL REQUIRE 24-HOUR CONSTRUCTION IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE'S ORANGE BARREL POLICY.
- 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.
- OVERNIGHT PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT HORIZONTAL AND VERTICAL CONTROL SURVEY MONUMENTS, AS SHOWN ON SHEET 4, PRIOR TO INITIATING CONSTRUCTION. IF DURING THE COURSE OF CONSTRUCTION OPERATIONS, THE CONTRACTOR DISTURBS OR DESTROYS A MONUMENT, THE CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR. THE MONUMENT SHALL ONLY BE REPLACED BY THE CITY SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- ALL TRENCH EXCAVATION BACKFILL WITHIN THE ROADWAY PRISM SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR PER ASTM D-698 OR D-1557 AS APPLICABLE.
- ANY EARTHWORK HAUL ON THIS PROJECT WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR ITEM 0202.01 - EXCAVATE AND DISPOSE OF UNCLASSIFIED MATERIAL AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.
- 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 0202.01 - REMOVE AND SALVAGE OR DISPOSE STRUCTURES AND OBSTRUCTIONS.
- BID ITEMS 0343.030- SAWCUT, REMOVE AND DISPOSE ASPHALT CONCRETE PAVEMENT, ANY DEPTH ARE INCLUDED FOR PAVEMENT REMOVALS IN AREAS WHERE THE ROADWAY WILL NOT BE IMMEDIATELY ADJUSTED TO NEW GRADES AS SHOWN IN THE PLANS.
- THE CONSTRUCTION CLEAR ZONE FOR THIS PROJECT IS 14 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.
- 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 REVISED BY THE PROJECT MANAGER FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE PROJECT MANAGER PRIOR TO FINAL PAYMENT.
- A LANDSCAPE REMOVAL ALLOWANCE HAS BEEN INCLUDED AS PART OF THIS PROJECT. THIS ALLOWANCE SHALL COVER THE REMOVAL OF ALL EXISTING LANDSCAPE ITEMS REQUIRED BY THESE PLANS. IT SHALL ALSO COVER THE REMOVAL COSTS OF ANY EXISTING PRIVATE SIGNS. THE CONTRACTOR SHALL CONTACT AND NOTIFY THE OWNER(S) AS WELL AS THE PROJECT MANAGER 24 HOURS PRIOR TO REMOVING THE SIGN, FOUNDATION, AND ANY APPURTENANCES ASSOCIATED THEREIN WITH. THE CONTRACTOR SHALL ALSO OBTAIN THE LOCATION AS TO WHERE THE REMOVED SIGN SHALL BE DELIVERED. IF THE OWNER REQUESTS THAT THE SIGN BE RESET, ARRANGEMENTS FOR THE OWNER'S CONTRACTOR SHALL BE MADE TO ALLOW CONSTRUCTION OF THE SIGN.
- THE CONTRACTOR SHALL BE ADVISED THAT A HIGH PRESSURE (HP) GAS LINE IS LOCATED WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL TAKE EXTREME PRECAUTIONS WHEN WORKING NEAR OR AROUND THE HP GAS LINE. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER AND A PNM GAS REPRESENTATIVE TO ESTABLISH A PRECAUTIONARY PLAN AND PERFORM A FIELD INSPECTION WITH THE PM, AND A PNM DELEGATED REPRESENTATIVE.
- THE DESIGN "R" - VALUE FOR THIS PROJECT IS 50. MATERIAL WITH A "R" - VALUE LESS THAN THE DESIGN "R" - VALUE SHALL NOT BE PLACED IN OR BE ALLOWED TO REMAIN WITHIN THE TOP 24-INCHES OF FINISHED SUBGRADE.
- CONTRACTOR SHALL CONSTRUCT RAMPS WITH A CROSS SLOPE OF 1.5% TO 2.0%.
- ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. AT LEAST (5) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION, 857-8200, TO INITIATE IMPLEMENTATION OF THE NON-PRESSURIZED CONNECTION PLAN.
- THE CONTRACTOR SHALL NOTIFY WATER UTILITY DIVISION OF PUBLIC WORKS 857-8200 AND THE CITY OF ALBUQUERQUE FIRE DEPARTMENT AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF DAY THAT FIRE HYDRANTS WILL BE TAKEN OUT OF AND RETURNED TO SERVICE. REFER TO SECTION 18 (GENERAL CONDITIONS) OF THE SPECIFICATIONS.

UTILITY OWNERS

Bates, Steve	Office phone: (505) 898-2661 EXT 48 Office fax: 898-6379 sbates@coresources.com	New Mexico Utilities 4700 Irving Blvd. NW Suite 201 Albuquerque, NM 87114
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Bouchard, Mark A.	Office phone: (505) 241-3402 Office fax: 241-0559 mbouchard@pnm.com	PNM Electric 4201 Edith Blvd. NE MS-ES61 Albuquerque, NM 87107
Crowel, David	Office phone: (505) 842-2911 Office fax: 842-2890 dcrowel@att.com	AT&T Resource Supervisor 111 3rd Street NW Albuquerque, NM 87103
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Mueller, Rick	Office phone: (505) 244-3161 Office fax: 244-0094 Mobile: 228-3329 rdmueller@mcleadusa.com	McLead USA Supervisor of Outside Techs. 505 Marquette NW (Compass Bank) Suite 1600 Albuquerque, NM 87102
Muller, David	Office phone: (505) 245-8706 Office fax: 245-6733 dmuller@qwest.com	Qwest/US West Capacity Provisioning Specialist 400 Tijeras Ave. NW Suite 710 Albuquerque, NM 87102
Musinski, Nancy	Office phone: (505) 768-2729 Office fax: (505) 768-3629 nbmusch@cobg.gov	City of Albuquerque Engineer, Utility Development P.O. Box 1293 Albuquerque, NM 87103
Dunlop, Joe	Office phone: (505) 241-7703 Office fax: (505) 241-7753 jdunlop@pnm.com	PNM-Gas Co. of NM Project Engineer 4625 Edith Blvd. NE Albuquerque, NM 87107

INCIDENTAL ITEMS *

- CORRECTION OF PAVEMENT DROP-OFF. SEE GENERAL NOTE 2, THIS SHEET.
- CLEAN EXISTING STRUCTURES. SEE GENERAL NOTE 4, THIS SHEET.
- MATCHING EXISTING PAVEMENTS. SEE GENERAL NOTE 11, THIS SHEET.
- CLEAR ZONE SHIELDING. SEE GENERAL NOTE 22, THIS SHEET.
- LOCAL NEWS MEDIA INFORMATION, SEE GENERAL NOTE 24, THIS SHEET.
- CONCRETE FILL INSIDE INLET STRUCTURES SHALL BE INCLUDED IN THE COST OF THE INLET STRUCTURE.
- MEDIAN SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT FROM NOSE BACK 5' OR TO THE P.C., WHICH EVER IS GREATER.
- ANY SIGNS REQUIRED TO BE REMOVED AND RELOCATED SHALL BE CONSIDERED INCIDENTAL.
- ALL EXISTING SIGNS SHALL BE CLEANED AND FREE OF GRAFFITI, DIRT OR OTHER OBSTRUCTIONS.
- TRUNCATED DOMES. SEE GENERAL NOTE 2, SHEET 7.
- STORM PIPE CONNECTION. SEE NOTE, SHEET 39.
- SUBGRADE MATERIAL SHALL BE CONSIDERED INCIDENTAL TO ITEM 340.010 SIDEWALK CONSTRUCTION.
- REMOVAL AND REPLACEMENT OF EXISTING LANDSCAPE GRAVEL AND LANDSCAPING AT INTERSECTIONS WITHIN THE PROJECT LIMITS.



WHEN APPEARING IN ANY PORTION OF THIS CONTRACT, THE WORDS "PLANT MIX BITUMINOUS PAVEMENT" (PMBP) WILL HAVE THE SAME MEANING AS AND MAY BE USED INTERCHANGEABLY WITH THE WORDS "ASPHALT CONCRETE".

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	MANUAL SURVEY DATE 12/06	THE STA. MARK IS A STANDARD USCGO BRASS TABLET	DATE	NO.	BY		REMARKS
WORK	MANUAL SURVEY DATE 12/06	STAMPED "HEAVEN 1969" TO REACH THE STA. 60 NORTH ON WYOMING TO PASO DEL NORTE WEST ON PASO DEL NORTE	DATE	NO.	BY		
INSPECTOR	COA Count. Div. DATE 8/06	STAMPED TO PASO DEL NORTE WEST ON PASO DEL NORTE	DATE	NO.	BY	DESIGNED BY: REL	DATE: 12/29/05
ACCEPTANCE BY	COA Count. Div. DATE 12/06	STAMPED TO PASO DEL NORTE WEST ON PASO DEL NORTE	DATE	NO.	BY	DRAWN BY: JLS	DATE: 12/29/05
REVISIONS	COA Count. Div. DATE 12/06	STAMPED TO PASO DEL NORTE WEST ON PASO DEL NORTE	DATE	NO.	BY	CHECKED BY: PJB	DATE: 12/29/05
MICRO-FILM INFORMATION		RECORD BY		NO.		DATE	
RECORD BY		NO.		DATE		DATE	
NOTICE OF EXTENDED PAYMENT PROVISION							
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.							
HDR							
2155 LOUISIANA BLVD., NE SUITE 9500 ALBUQUERQUE, NM 87110 PHONE: (505) 830-5400 FAX: (505) 830-5454							
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION							
TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS CARMEL AVE. TO SIGNAL AVE							
LEGEND, GENERAL NOTES, INCIDENTALS & UTILITY OWNERS							
Design Review Committee		City Engineer Approval		Mo./Day/Yr.		Mo./Day/Yr.	
APPROVED		APPROVED		Mo./Day/Yr.		Mo./Day/Yr.	
DESIGN REVIEW COMMITTEE		CITY ENGINEER		Mo./Day/Yr.		Mo./Day/Yr.	
City Project No.		Zone Map No.		Sheet		Of	
7432-91		C18-19		2		49	

COA ITEM NO.	ITEM DESCRIPTION	UNIT	ROADWAY		CONSTRUCTION SIGNING		PERMANENT SIGNING		STRUCTURES		LIGHTING		PROJECT TOTAL	
			ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
4.010	Construction Staking, compl.	L.S.	1										1	1
4.020	Construction Surveying, compl.	L.S.	1										1	1
6.050	Construction Mobilization, compl.	L.S.	1										1	1
6.060	Construction Demobilization, compl.	L.S.	1										1	1
6.010	Construction Project Sign	EACH	2										2	2
19.010	Construction Traffic Control & Barricading, compl.	L.S.			1								1	1
30.020	NPDES Permitting, compl	L.S.	1										1	1
201.010	Site Clearing And Grubbing, compl.	L.S.	1										1	1
201.060	Erosion Control, incl. all plant, labor, equip., & materials, excl. silt fence, cip.	L.S.	1										1	1
201.061	Erosion Control Silt Fence, 3' high, w/ 5' steel posts @ 10' on center, cip.	LIN. FT.	1700										1700	1500
202.010	Excavate & Dispose Unclassified Material, more than 2' deep, for roadways, compl.	CU. YD.	1100										1100	0
202.011	Excavate & Dispose of unsuitable material, compl.	CU. YD.	2000										2000	10028
205.010	Borrow, Hauling & Compaction of suitable fill material when not obtained from within limits of construction, compl.	CU. YD.	2800										2800	0
301.020	Subgrade Prep. 12" at 95% compaction, cip	SQ. YD.	19200										19200	19200
302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip. SD 2408 (2 Lifts)	SQ. YD.	19200										19200	19200
329.010	Seal Coat, Plant Mix, 5/8" thick, cip. SD 2408	SQ. YD.	16500										16500	16500
336.010	Prime Coat, Emulsified Asphalt, cip.	SQ. YD.	19200										19200	19200
336.035	Arterial Asphalt Concrete, Type SP III, 2 inch thick, machine laydown, cip.	SQ. YD.	16500										16500	16500
336.037	Arterial Asphalt Concrete, Type SP III, 2 1/2 inch thick, machine laydown, cip.	SQ. YD.	16500										16500	16500
336.120	Track Coat, Cationic Emulsified Asphalt, cip. (1 Application)	SQ. YD.	16500										16500	16500
340.010	Sidewalk, 4" thick, Portland Cement Concrete, incl. Subgrade Compaction, cip. SD 2430	SQ. YD.	2500										2500	2705
340.025	Wheelchair Access Ramp, 4" PCC, Std. Curb., cip. SD 2418	EACH	14										14	15
340.030	Valley Gutter & Curb, Portland Cement Concrete, incl. reinforcement and subgrade compaction, cip. SD 2420	SQ. YD.	20										20	26
340.050	Curb And Gutter, Standard, Portland Cement Concrete, cip. SD 2415	LIN. FT.	4160										4160	4112
340.060	Curb And Gutter, Median, Portland Cement Concrete, cip. SD 2408	LIN. FT.	3650										3650	3659
340.084	Pinned Curb, Type III & IV, Portland Cement Concrete cip SD 2416	LIN. FT.								877			877	870
343.030	Existing Pavement, Asphalt Concrete, more than 4" thick, sawcut, remove & dispose, compl.	SQ. YD.	8900										8900	8900
343.080	Existing Curb & Gutter or Valley Gutter, PC Concrete, remove & dispose, compl.	LIN. FT.	124										124	100
343.085	Existing Sidewalk, 4" PC Concrete, remove & dispose, cip	SQ. YD.	25										25	333
346.100	Textured Median Pavement, 4" thick, Colored PC Concrete, incl. subgrade compaction, cip. SD 2408	SQ. YD.	3160										3160	0
421.006	Service Riser (lighting), cip	EACH									1		1	1
421.011	Meter Pedestal (lighting), cip	EACH									1		1	1
421.016	Service Riser (lighting), cip	EACH									1		1	1
421.025	Lighting Control Cabinet, six circuit, metered, cip	EACH									1		1	1
422.030	Street Light Standard, single arm, 30', (Type V, DAVIT) cip.	EACH									8		8	8
423.020	Luminaire Foundation for Luminaire Height of 40' Or Less, cip.	EACH									8		8	8
424.005	Electrical Conduit, 2" incl. trenching, backfill, & patching, cip	LIN. FT.									1900		1900	1860
425.003	Electrical Pull Box, large, cip.	EACH									1		1	1
426.005	Single Conductor, #10, cip.	LIN. FT.									2200		2200	720
432.001	Roadway Luminaire, Type 25S, cip.	EACH									17		17	8
441.001	Reflectorized Plastic Pavement Markings, 4" width, cip.	LIN. FT.					2350						2350	2481
441.002	Reflectorized Plastic Pavement Markings, 6" width, cip.	LIN. FT.					3700						3700	3416
441.003	Reflectorized Pastic Pavement Markings, 8" width, cip.	LIN. FT.					250						250	198
441.004	Reflectorized Pastic Markings, 12" width, cip.	LIN. FT.					200						200	132
441.010	Reflectorized Plastic Arrow, Right, cip.	EACH					2						2	2
441.011	Reflectorized Plastic Arrow, Left, cip.	EACH					2						2	2
441.020	Reflectorized Word (Only)	EACH					2						2	2
441.031	Reflectorized plastic Symbol, Bicycle, cip.	EACH					8						8	8
450.001	Aluminum Panel Signs	SQ. YD.					120						120	97
450.005	Object Marker, Type II	EACH					8						8	8
450.010	Square Tube Steel Post and Base Post for Panel Signs	LIN. FT.					250						250	48
510.110	Structural, Reinforced PC Concrete, 4000 PSI, Incl. Formwork, cip.	CU. YD.								127			127	130
701.100	Trenching Backfilling and Compaction for 18" to 36" pipe, <8' depth	LIN. FT.	697										697	665
801.002	6" Water Line excl. Fittings (std spec. sec 801) Incl. Trench and Compaction Backfill to 6' Depth, cip.	LIN. FT.	62										62	40
801.007	16" Water Line excl. Fittings (std spec. sec 801) Incl. Trench and Compaction Backfill to 6' Depth, cip.	LIN. FT.	530										530	20
801.081	6" Gate Valve, ip SD 2333	EACH	2										2	0
801.087	16" Butterfly Valve, cip SD 2351	EACH	2										2	0
801.112	Valve Box, Ring & Cover, Adjust to Grade, cip. SD 2328	EACH	12										12	12
801.113	Fire Hydrant, 4' bury, JM, incl. blocking & aggregate, cip. SD 2340	EACH	2										2	2
801.150	Mechanical Joint Restraining Gland, DI & PVC, 4" - 8", cip.	EACH	4										4	3
801.152	Mechanical Joint Restraining Gland, DI & PVC, 14" - 16", cip.	EACH	20										20	8
910.006	18" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip.	LIN. FT.	50										50	159
910.009	24" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip.	LIN. FT.	109										109	0
910.014	30" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip.	LIN. FT.	206										206	206
910.015	30" equivalent, 22 1/2 x 36 1/4 Arch Pipe, cip.	LIN. FT.	250										250	250
910.104	Drainline removal, 21" to 48", Excl. trenching, compl.	LIN. FT.	50										50	50
915.010	Catch Basin, Type "A", Single Grate, cip. SD 2203	EACH	3										3	3
915.030	Catch Basin, Type "C", Single Grate, cip. SD 2203	EACH	1										1	1
915.070	Catch Basin, Existing, Remove and Dispose, any type, incl. cleanup, compl., SD 2200	EACH	2										2	2
920.070	Manhole, 4'dia. Type "C" and "E", 6' to 10' deep, cip. SD 2101	EACH	2										2	2
920.400	Manhole Frame And Cover (Vented)	EACH	11										11	10
920.410	Existing Manhole Frame & Cover, adjust to grade with metal rings, 2" or less, cip. SD 2111	EACH	13										13	13
1010.030	3"-4" PVC, Irrigation Sleeve, Incl. trench and compacted backfill, cip.	LIN. FT.	1310										1310	5130

AS-BUILT <u>NOTICE OF EXTENDED PAYMENT PROVISION</u> THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.				ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
		NO. DATE		REMARKS		FIELD NOTES		THE STA. MARK IS A STANDARD USCARO BRASS TABLET		CONTRACTOR	
NO. DATE		REVISIONS		BY		NO. BY DATE		WORK		INSPECTORS	
DESIGNED BY: REL		HDR INC.		DATE: 12/29/05		NO. DATE		WYOMING TO PASO DEL NORTE WEST ON PASO DEL NORTE		ACCURATE SURVEY DATE 8/06	
DRAWN BY: JLS		DATE: 12/29/05		0.15 MI TO STA ON THE LEFT. X=407,051.31, Y=1,518,737.03,		NO. DATE		COA CONST. DTH DATE 12/06		REMARKS	
CHECKED BY: PJB		DATE: 12/29/05		EL=5278.79, GRN TO GRID FACTOR .99985283 (3RD ORDER).		NO. DATE		COA CONST. DTH DATE 12/06		REMARKS	
LAST DESIGN UPDATE		Mo./Day/Yr.		Mo./Day/Yr.		NO. DATE		COA CONST. DTH DATE 12/06		REMARKS	
CITY PROJECT NO.		Zone Map No.		Sheet		Of		NO. DATE		COA CONST. DTH DATE 12/06	
7432-91		C18-19		3		49		NO. DATE		COA CONST. DTH DATE 12/06	

SUMMARY OF QUANTITIES														
COA ITEM NO.	ITEM DESCRIPTION	UNIT	ROADWAY		CONSTRUCTION SIGNING		PERMANENT SIGNING		STRUCTURES		LIGHTING		PROJECT TOTAL	
			ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
4.010	Construction Staking, compl.	L.S.	1											1
4.020	Construction Surveying, compl.	L.S.	1											1
6.050	Construction Mobilization, compl.	L.S.	1											1
6.060	Construction Demobilization, compl.	L.S.	1											1
6.010	Construction Project Sign	EACH	2											2
19.010	Construction Traffic Control & Barricading, compl.	L.S.			1									1
30.020	NPDES Permitting, compl	L.S.	1											1
201.010	Site Clearing And Grubbing, compl.	L.S.	1											1
201.080	Erosion Control, incl. all plant, labor, equip., & materials, excl. silt fence, cip.	L.S.	1											1
201.061	Erosion Control Silt Fence, 3' high, w/ 5' steel posts @ 10' on center, cip.	LIN.FT.	1700											1700
202.010	Excavate & Dispose Unclassified Material, more than 2' deep, for roadways, compl.	CU.YD.	1100											1100
202.011	Excavate & Dispose of unsuitable material, compl.	CU.YD.	2000											2000
205.010	Borrow, Hauling & Compaction of suitable fill material when not obtained from within limits of construction, compl.	CU.YD.	2800											2800
301.020	Subgrade Prep. 12" at 95% compaction, cip	SQ.YD.	19200											19200
302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip. SD 2408 (2 Lifts)	SQ.YD.	19200											19200
329.010	Seal Coat, Plant Mix, 5/8" thick, cip. SD 2408	SQ.YD.	16500											16500
336.010	Prime Coat, Emulsified Asphalt, cip.	SQ.YD.	19200											19200
336.035	Arterial Asphalt Concrete, Type SP III, 2 inch thick, machine laydown, cip.	SQ.YD.	16500											16500
336.037	Arterial Asphalt Concrete, Type SP III, 2½ inch thick, machine laydown, cip.	SQ.YD.	16500											16500
336.120	Tack Coat, Cationic Emulsified Asphalt, cip. (1 Application)	SQ.YD.	16500											16500
340.010	Sidewalk, 4" thick, Portland Cement Concrete, incl. Subgrade Compaction, cip. SD 2430	SQ.YD.	2500											2500
340.025	Wheelchair Access Ramp, 4" PCC, Std. Curb., cip. SD 2418	EACH	14											14
340.030	Valley Gutter & Curb, Portland Cement Concrete, incl. reinforcement and subgrade compaction, cip. SD 2420	SQ.YD.	20											20
340.050	Curb And Gutter, Standard, Portland Cement Concrete, cip. SD 2415	LIN.FT.	4160											4160
340.060	Curb And Gutter, Median, Portland Cement Concrete, cip. SD 2408	LIN.FT.	3650											3650
340.084	Pinned Curb, Type III & IV, Portland Cement Concrete, cip. SD 2416	LIN.FT.							877					877
343.030	Existing Pavement, Asphalt Concrete, more than 4" thick, sawcut, remove & dispose, compl	SQ.YD.	8900											8900
343.080	Existing Curb & Gutter or Valley Gutter, PC Concrete, remove & dispose, compl.	LIN.FT.	124											124
343.085	Existing Sidewalk, 4" PC Concrete, remove & dispose, cip.	SQ.YD.	25											25
346.100	Textured Median Pavement, 4" thick, Colored PC Concrete, incl. subgrade compaction, cip. SD 2408	SQ.FT.	3160											3160
421.006	Service Riser (lighting), cip.	EACH									1			1
421.011	Meter Pedestal (lighting), cip.	EACH									1			1
421.016	Service Connection (lighting), cip.	EACH									1			1
421.025	Lighting Control Cabinet, six circuit, metered, cip.	EACH									1			1
422.030	Street Light Standard, single arm, 30', (Type V, DAVIT) cip.	EACH									8			8
423.020	Luminaire Foundation for Luminaire Height of 40' Or Less, cip	EACH									8			8
424.005	Electrical Conduit, 2", incl. trenching, backfill, & patching, cip.	LIN.FT.									1900			1900
425.003	Electrical Pull Box, large, cip.	EACH									1			1
426.005	Single Conductor, #10, cip.	LIN.FT.									2200			2200
432.001	Roadway Luminaire, Type 250S, cip.	EACH									17			17
441.001	Reflectorized Plastic Pavement Markings, 4" width, cip	LIN.FT.					2350							2350
441.002	Reflectorized Plastic Pavement Markings, 6" width, cip	LIN.FT.					3700							3700
441.003	Reflectorized Plastic Pavement Markings, 8" width, cip	LIN.FT.					250							250
441.004	Reflectorized Plastic Markings, 12" width, cip	LIN.FT.					200							200
441.010	Reflectorized Plastic Arrow, Right, cip	EACH					2							2
441.011	Reflectorized Plastic Arrow, Left, cip	EACH					2							2
441.020	Reflectorized Word (Only)	EACH					2							2
441.031	Reflectorized Plastic Symbol, Bicycle, cip	EACH					8							8
450.001	Aluminum Panel Signs	SQ.FT.					120							120
450.005	Object Marker, Type II	EACH					8							8
450.010	Square Tube Steel Post and Base Post for Panel Signs	LIN.FT.					250							250
510.110	Structural, Reinforced PC Concrete, 4000 PSI, Incl. Formwork, cip	CU.YD.							127					127
701.100	Trenching Backfilling and Compaction for 18" to 36" pipe, < 8' depth	LIN.FT.	697											697
801.002	6" Water Line Excl. Fittings (std. spec. sec 801) Incl. Trench and Compaction Backfill to 6' Depth, cip	LIN.FT.	62											62
801.007	16" Water Line Excl. Fittings (std. spec. sec 801) Incl. Trench and Compaction Backfill to 6' Depth, cip	LIN.FT.	530											530
801.081	6" Gate Valve, cip SD 2333	EACH	2											2
801.087	16" Butterfly Valve, cip SD 2351	EACH	2											2
801.112	Valve Box, Ring & Cover, Adjust to Grade, cip. SD 2328	EACH	12											12
801.113	Fire Hydrant, 4" bury, MJ, incl. blocking & aggregate, cip. SD 2340	EACH	2											2
801.150	Mechanical Joint Restraining Gland, DI & PVC, 4" - 8", cip	EACH	4											4
801.152	Mechanical Joint Restraining Gland, DI & PVC, 14" - 16", cip	EACH	20											20
910.006	18" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip.	LIN.FT.	50											50
910.009	24" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip	LIN.FT.	109											109
910.014	30" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip.	LIN.FT.	206											206
910.015	30" Equivalent, 22½ x 36¼ Arch Pipe, cip.	LIN.FT.	250											250
910.104	Drainline Removal, 21" to 48", Excl. trenching, compl.	LIN.FT.	50											50
915.010	Catch Basin, Type "A", Single Grate, cip. SD 2203	EACH	3											3
915.030	Catch Basin, Type "C", Single Grate, cip. SD 2203	EACH	1											1
915.070	Catch Basin, Existing, Remove and Dispose, any type, incl. cleanup, compl., SD 2200	EACH	2											2
920.070	Manhole, 4' dia., Type "C" and "E", 6' to 10' deep, cip. SD 2101	EACH	2											2
920.400	Manhole Frame And Cover (Vented)	EACH	11											11
920.410	Existing Manhole Frame & Cover, adjust to grade with metal rings, 2" or less, cip. SD 2111	EACH	13											13
1010.030	3"-4" PVC, Irrigation Sleeve, Incl. trench & compacted backfill, cip	LIN.FT.	1310											1310

NOTICE OF EXTENDED PAYMENT PROVISION
THIS CONTRACT ALLOWS THE OWNER TO
MAKE PAYMENT WITHIN 45 DAYS AFTER
SUBMISSION OF AN UNDISPUTED REQUEST
FOR PAYMENT.



2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
PHONE: (505) 830-5400
FAX: (505) 830-5454

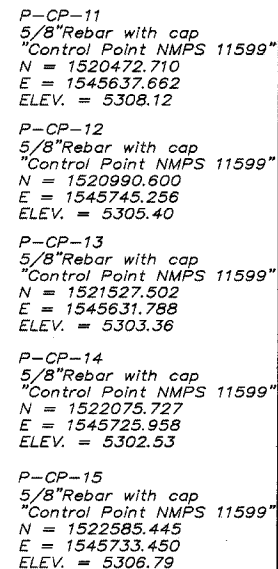


CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE
SUMMARY OF QUANTITIES



City Project No. 7432-91 Zone Map No. C18-19 Sheet 3 of 49



ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		THE STA. MARK IS A STANDARD US&CG BRASS TARGET STAMPED "HEAVEN 1969". TO REACH THE STA. GO NORTH ON		CONTRACTOR <u>Manzanita Slopes, Inc.</u>	
		NO. BY DATE		WORK ORDER BY <u>Manzanita Slopes, Inc.</u> DATE <u>12/29/05</u>		WORK ORDER BY <u>Manzanita Slopes, Inc.</u> DATE <u>12/29/05</u>	
				WYOMING TO PASEO DEL NORTE WEST ON PASEO DEL NORTE		REVISIONS	
				0.15 MI TO STA ON THE LEFT. X=407,051.31, Y=1,516,737.03.		APPROVED BY <u>COA Const. Inc.</u> DATE <u>12/29/05</u>	
				EL=5376.79, GRN TO GRID FACTOR .999945263 (3RD ORDER).		DRAWING BY <u>MANZANITA SLOPES, INC.</u> DATE <u>5/8/97</u>	
				NAD 1927		CORRECTED BY <u>MANZANITA SLOPES, INC.</u> DATE <u>12/29/05</u>	
						MICRO-FILM INFORMATION	
						RECORDED BY <u>DATE</u>	
						MS.	

PETER I. BRAKENHOFF
NEW MEXICO
14225
REGISTERED PROFESSIONAL ENGINEER

DATE: 12/29/05		DATE: 12/29/05	
DRAWN BY: DAS		DATE: 12/29/05	
CHECKED BY: PJB / REL		DATE: 12/29/05	

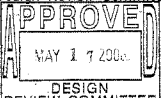
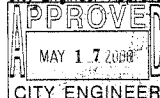
SHEET 4 OF 49
 IMPROVEMENTS
 AL AVE
 DL

Ms./Day/Yr.
 Ms./Day/Yr.

NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

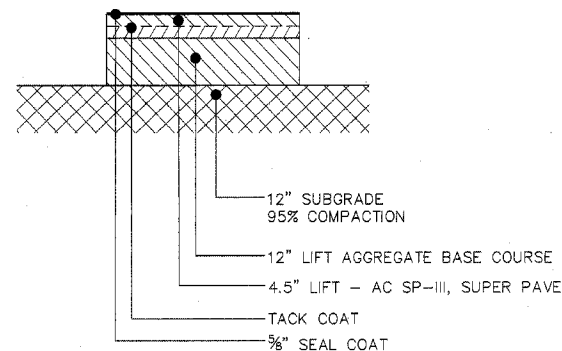


	2155 LOUISIANA BLVD., NE SUITE 9500 ALBUQUERQUE, NM 87110 MARK (505) 830-8400 FAX: (505) 830-5454		NO. 104	DESIGNED BY:	CHECKED BY:
	CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION				
TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS CARMEL AVE. TO SIGNAL AVE SURVEY CONTROL					
Design Review Committee 	City Engineer Approval 	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.	
City Project No. 7432-91	Zone Map No. C18-19	Sheet 4	Of 49		

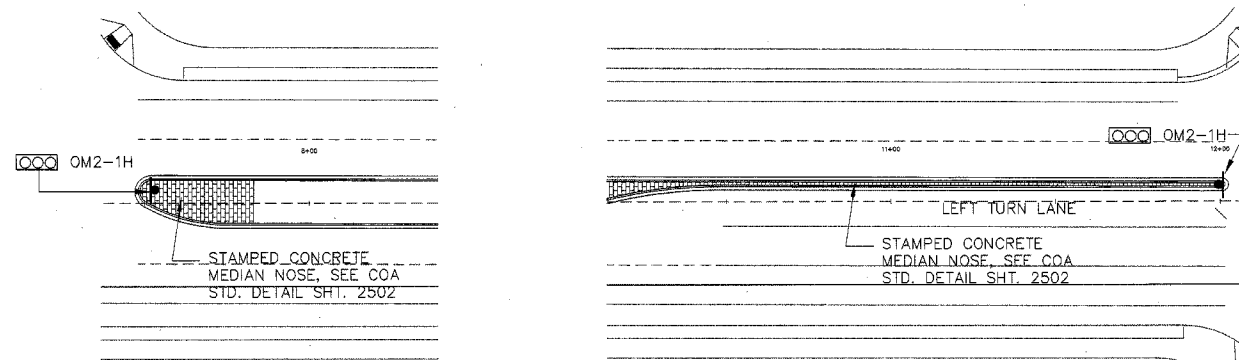
DISCLAIMER

Underground utility locations are based on physical features such as manholes, valves, pedestals and spotting in the field and are approximate only. No digging was performed to locate the actual locations of buried utilities. The surveyor does not guarantee the completeness or accuracy of the buried utility data shown hereon. Actual locations should be verified prior to any excavating.

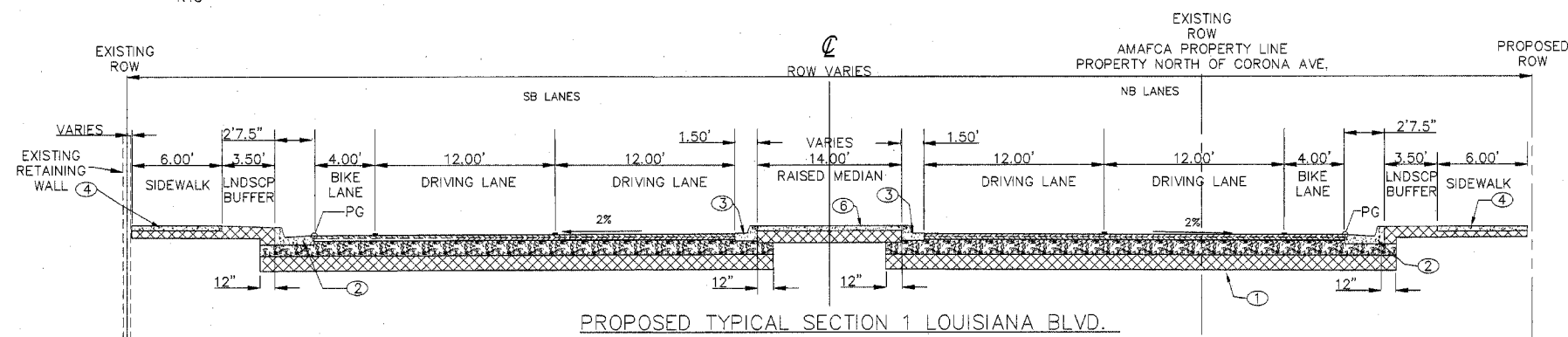
NOTE: CONTRACTOR SHALL OBTAIN ALL COPIES OF
RECORDED PLATS & TCPS FOR CONSTRUCTION
FROM THE CITY OF ALBUQUERQUE AT THEIR
OWN EXPENSE.



PAVEMENT STRUCTURAL SECTION 1
NTS

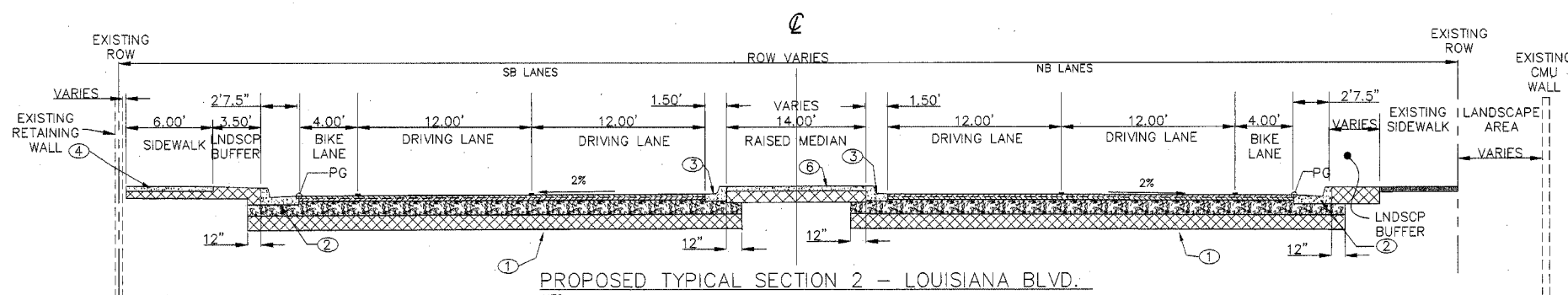


MEDIAN CONCRETE PAVEMENT DETAIL
NTS



PROPOSED TYPICAL SECTION 1 LOUISIANA BLVD.
NTS
STA. 7+85.34 TO STA. 9+66.38

TRANSITION STATIONS
STA. 3+71.15 TO STA. 5+10.12, TRANSITION FROM TS-3 TO TS-4
STA. 9+66.38 TO STA. 10+50.47, TRANSITION FROM TS-1 TO TS-4
STA. 14+26.22 TO STA. 15+70.19, TRANSITION FROM TS-3 TO TS-4
STA. 19+57.05 TO STA. 21+08.97, TRANSITION FROM TS-3 TO TS-4



PROPOSED TYPICAL SECTION 2 - LOUISIANA BLVD.
NTS

**STA. 12+76.18 TO STA. 17+29.18

**TYPICAL SECTION 2 FALLS WITHIN THE STATION RANGES FOR TYPICAL SECTIONS 3 AND 4. IT IS SHOWN TO INDICATE THE AREA WHERE EXISTING SIDEWALK WILL REMAIN.

KEYED NOTES

- PAVEMENT STRUCTURAL SECTION 1, SEE THIS SHEET.
- STANDARD CURB & GUTTER, PER COA STANDARD DWG. 2415 A.
- MEDIAN CURB & GUTTER, PER COA STANDARD DWG. 2415 B.
- SIDEWALK, 4" PER COA STANDARD DWG. 2430.
- PCCP VALLEY GUTTER, PER COA STANDARD DWG. 2420. (SEE SHEET 12)
- MEDIAN PCC PAVEMENT - 4" PER COA STANDARD DWG. 2408.

*MATCH EXISTING CROSS SLOPE.

**SUBGRADE MATERIAL SHALL BE CONSIDERED INCIDENTAL TO ITEM 340.010 SIDEWALK CONSTRUCTION.

NOTE:

PG(=PROFILE GRADE) DENOTES PROPOSED ELEVATION ALONG LIP OF CURB. (WEST AND EAST OUTSIDE CURB)

AS-BUILT

NOTICE OF EXTENDED PAYMENT PROVISION
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

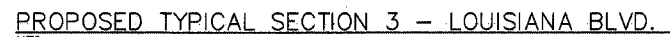
HDR
2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
PHONE: (505) 830-5400
FAX: (505) 830-5404

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: **LOUISIANA BLVD. ROADWAY IMPROVEMENTS**
CARMEL AVE. TO SIGNAL AVE
TYPICAL SECTIONS

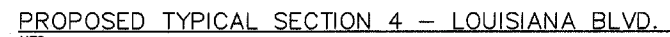
Design Review Committee APPROVED MAY 17 2006 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED MAY 17 2006 CITY ENGINEER	Mo./Day/Yr.	Mo./Day/Yr.
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City Project No. 7432-91 Zone Map No. C18-19 Sheet 5 of 49



TRANSITION STATIONS

STA. 3+71.15 TO STA. 5+10.12, TRANSITION FROM TS-3 TO TS-4.
STA. 9+66.38 TO STA. 10+50.47, TRANSITION FROM TS-1 TO TS-4.
STA. 14+26.22 TO STA. 15+70.19, TRANSITION FROM TS-3 TO TS-4.
STA. 19+57.05 TO STA. 21+08.97, TRANSITION FROM TS-3 TO TS-4



P:\21675-COA Louisiana\6.0 PDEV\6.1 CAD\6.1.3 Submittal\FINAL\SS01.dwg
Jan 04, 2006 - 3:04pm

SURFACING SCHEDULE

DESCRIPTION	STATION	to	STATION	LENGTH (FT)	301.020		302.010		329.010		336.010		336.035		336.036		336.120	
					SUBGRADE PREP. 12" @ 95% COMPACTION, C/P.		AGGREGATE BASE COURSE, CRUSHED, 8" @ 95% COMPACTION, C/P. SD 2408 (2 LIFTS)		SEAL COAT, PLANT MIX, 5/8" THICK, C/P. SD 2408		PRIME COAT, EMULSIFIED ASPHALT, C/P.		ARTERIAL ASPHALT CONCRETE, TYPE SP II, 2" THICK, MACHINE LAYDOWN, C/P.		ARTERIAL ASPHALT CONCRETE, TYPE SP II, 2- 1/2" THICK, MACHINE LAYDOWN, C/P.		TACK COAT, CATIONIC EMULSIFIED ASPHALT, C/P. (1 APPLICATION)	
					AVG WIDTH (FT)	AREA (SQ YDS)	AVG WIDTH (FT)	AREA (SQ YDS)	AVG WIDTH (FT)	AREA (SQ YDS)	AVG WIDTH (FT)	AREA (SQ YDS)	AVG WIDTH (FT)	AREA (SQ YDS)	AVG WIDTH (FT)	AREA (SQ YDS)	AVG WIDTH (FT)	AREA (SQ YDS)
LOUISIANA BLVD NB LANES																		
	2+21.15		4+26.08	204.93	34.13	777.14	34.13	777.14	28.00	637.56	34.13	777.14	28.00	637.56	28.00	637.56	28.00	637.56
Turn Lane Transition	4+26.08		5+10.12	84.04	40.13	374.73	40.13	374.73	34.00	317.48	40.13	374.73	34.00	317.48	34.00	317.48	34.00	317.48
	5+10.12		6+80.12	150.00	48.13	768.83	48.13	768.83	40.00	666.67	48.13	768.83	40.00	666.67	40.00	666.67	40.00	666.67
Anaheim	6+80.12		7+48.08	87.96	80.25	784.31	80.25	784.31	73.00	713.45	80.25	784.31	73.00	713.45	73.00	713.45	73.00	713.45
Anaheim			Calculated Area	-	-	270.77	-	270.77	-	223.87	-	270.77	-	223.87	-	223.87	-	223.87
	7+48.08		9+66.38	218.30	34.13	827.84	34.13	827.84	28.00	679.16	34.13	827.84	28.00	679.16	28.00	679.16	28.00	679.16
Turn Lane Transition	9+66.38		10+50.42	84.04	40.13	374.73	40.13	374.73	34.00	317.48	40.13	374.73	34.00	317.48	34.00	317.48	34.00	317.48
	10+50.42		12+00.43	150.01	48.13	768.88	48.13	768.88	40.00	666.71	48.13	768.88	40.00	666.71	40.00	666.71	40.00	666.71
Corona	12+00.43		12+76.18	75.75	80.25	675.44	80.25	675.44	73.00	614.42	80.25	675.44	73.00	614.42	73.00	614.42	73.00	614.42
Corona			Calculated Area	-	-	541.85	-	541.85	-	668.67	-	541.85	-	668.67	-	668.67	-	668.67
	12+76.18		14+95.49	219.31	34.13	831.67	34.13	831.67	28.00	682.30	34.13	831.67	28.00	682.30	28.00	682.30	28.00	682.30
Turn Lane Transition	14+95.49		15+79.19	83.70	40.13	373.21	40.13	373.21	34.00	316.20	40.13	373.21	34.00	316.20	34.00	316.20	34.00	316.20
	15+79.19		17+29.18	149.99	48.13	768.78	48.13	768.78	40.00	666.62	48.13	768.78	40.00	666.62	40.00	666.62	40.00	666.62
Wilshire	17+29.18		18+07.06	77.88	80.25	694.43	80.25	694.43	73.00	631.69	80.25	694.43	73.00	631.69	73.00	631.69	73.00	631.69
Wilshire			Calculated Area	-	-	582.32	-	582.32	-	487.05	-	582.32	-	487.05	-	487.05	-	487.05
	18+07.06		20+25.28	218.22	34.13	827.54	34.13	827.54	28.00	678.91	34.13	827.54	28.00	678.91	28.00	678.91	28.00	678.91
Turn Lane Transition	20+25.28		21+08.97	83.69	40.13	373.16	40.13	373.16	34.00	316.16	40.13	373.16	34.00	316.16	34.00	316.16	34.00	316.16
	21+08.97		22+60.16	151.19	46.13	774.93	46.13	774.93	40.00	671.96	46.13	774.93	40.00	671.96	40.00	671.96	40.00	671.96
Carmel			Calculated Area	-	-	87.12	-	87.12	-	48.88	-	87.12	-	48.88	-	48.88	-	48.88
Signal			Calculated Area	-	-	87.00	-	87.00	-	48.76	-	87.00	-	48.76	-	48.76	-	48.76
SB LANES																		
	2+21.15		3+71.15	150.00	46.13	768.83	46.13	768.83	40.00	666.67	46.13	768.83	40.00	666.67	40.00	666.67	40.00	666.67
Turn Lane Transition	3+71.15		4+55.19	84.04	40.13	374.73	40.13	374.73	34.00	317.48	40.13	374.73	34.00	317.48	34.00	317.48	34.00	317.48
	4+55.19		6+80.12	204.93	34.13	777.14	34.13	777.14	28.00	637.56	34.13	777.14	28.00	637.56	28.00	637.56	28.00	637.56
Anaheim	6+80.12		7+48.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaheim			Calculated Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7+48.08		12+00.43	452.35	34.13	1,715.41	34.13	1,715.41	28.00	1,407.31	34.13	1,715.41	28.00	1,407.31	28.00	1,407.31	28.00	1,407.31
Corona	12+00.43		12+76.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corona			Calculated Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12+76.18		14+26.18	150.00	46.13	768.83	46.13	768.83	40.00	666.67	46.13	768.83	40.00	666.67	40.00	666.67	40.00	666.67
Turn Lane Transition	14+26.18		15+09.92	83.74	40.13	373.39	40.13	373.39	34.00	316.35	40.13	373.39	34.00	316.35	34.00	316.35	34.00	316.35
	15+09.92		17+29.18	219.26	34.13	831.48	34.13	831.48	28.00	682.14	34.13	831.48	28.00	682.14	28.00	682.14	28.00	682.14
Wilshire	17+29.18		18+07.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wilshire			Calculated Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18+07.06		19+57.05	149.99	46.13	768.78	46.13	768.78	40.00	666.62	46.13	768.78	40.00	666.62	40.00	666.62	40.00	666.62
Turn Lane Transition	19+57.05		20+41.09	84.04	40.13	374.73	40.13	374.73	34.00	317.48	40.13	374.73	34.00	317.48	34.00	317.48	34.00	317.48
	20+41.09		22+60.16	219.07	34.13	830.76	34.13	830.76	28.00	681.55	34.13	830.76	28.00	681.55	28.00	681.55	28.00	681.55
SUBTOTAL						19,148.77		19,148.77		16,413.84		19,148.77		16,413.84		16,413.84		16,413.84
USE						19,200		19,200		16,500		19,200		16,500		16,500		16,500

CURB & GUTTER, MEDIAN, PORTLAND CEMENT CONCRETE, CP. SD 2408 ITEM NO. 340.060						
STATION	LOCATION	TO	STATION	LOCATION	LIN. FT.	REMARKS
WEST SIDE (LEFT)						
2+21.14	LT.		3+71.15	LT.	150.01	
4+55.19	LT.		6+80.12	LT.	204.93	
7+49.52	LT.		12+00.43	LT.	450.91	
12+76.18	LT.		14+24.00	LT.	147.82	
15+09.92	LT.		17+29.18	LT.	219.26	
18+07.05	LT.		19+57.05	LT.	150.00	
20+41.09	LT.		22+60.16	LT.	219.07	
TRANSITIONS AND MEDIAN NOSES					295.36	
					SUBTOTAL	1,837.36
EAST SIDE (RIGHT)						
2+21.14	RT.		4+26.08	RT.	204.94	
5+10.12	RT.		6+80.12	RT.	150.00	
7+45.34	RT.		9+66.38	RT.	181.04	
10+50.00	RT.		12+00.43	RT.	150.43	
12+76.18	RT.		14+95.49	RT.	219.31	
15+79.19	RT.		17+29.18	RT.	149.99	
18+07.05	RT.		20+25.28	RT.	218.23	
21+10.00	RT.		22+60.16	RT.	150.16	
TRANSITIONS AND MEDIAN NOSES					379.64	
					SUBTOTAL	1,803.74
					TOTAL	3,641.10
					USE	3,650

TEXTURED MEDIAN PAVEMENT, 4" THICK, COLORED PC CONCRETE, INCL. SUBGRADE COMPACTION, CP. SD 2408 ITEM NO. 346.100						
STATION	LOCATION	TO	STATION	LOCATION	SQ. FT.	REMARKS
2+20.14	RT.		3+71.15	RT.	302.02	
3+71.15	RT.		4+01.15	RT.	90.00	
4+80.12	LT.		5+10.12	LT.	90.00	
5+10.12	LT.		6+61.12	LT.	302.00	
7+47.01	LT.		7+85.37	RT.	410.84	
10+20.42	LT.		10+50.42	LT.	90.00	
10+50.42	LT.		12+01.42	LT.	302.00	
12+75.19	RT.		14+26.22	RT.	302.06	
14+26.22	RT.		14+56.22	RT.	90.00	
15+49.19	LT.		15+79.19	LT.	90.00	
15+79.19	LT.		17+30.19	LT.	302.00	
18+06.05	RT.		19+57.05	RT.	302.00	
19+57.05	RT.		19+87.05	RT.	90.00	
20+78.97	LT.		21+08.97	LT.	90.00	
21+08.97	LT.		22+59.97	LT.	302.00	
TOTAL					3,154.92	
USE					3,160	

* STATIONS TAKEN FROM MID-POINT OF EDGE OF MEDIAN PAVEMENT

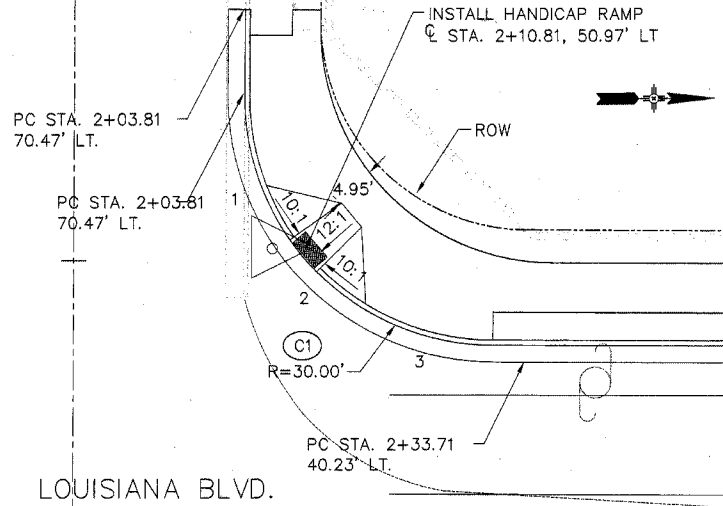
VALLEY GUTTER & CURBS, PORTLAND CEMENT CONCRETE, INCL. REINFORCEMENT AND SUBGRADE COMPACTION, CP. SD 2420 ITEM NO. 340.030						
STATION	LOCATION	TO	STATION	LOCATION	SQ. YD.	REMARKS
1+82.67	RT.		2+01.27	RT.	12.40	
TOTAL					12.40	
USE					20	

* STATIONS TAKEN AT BACK OF VALLEY GUTTER

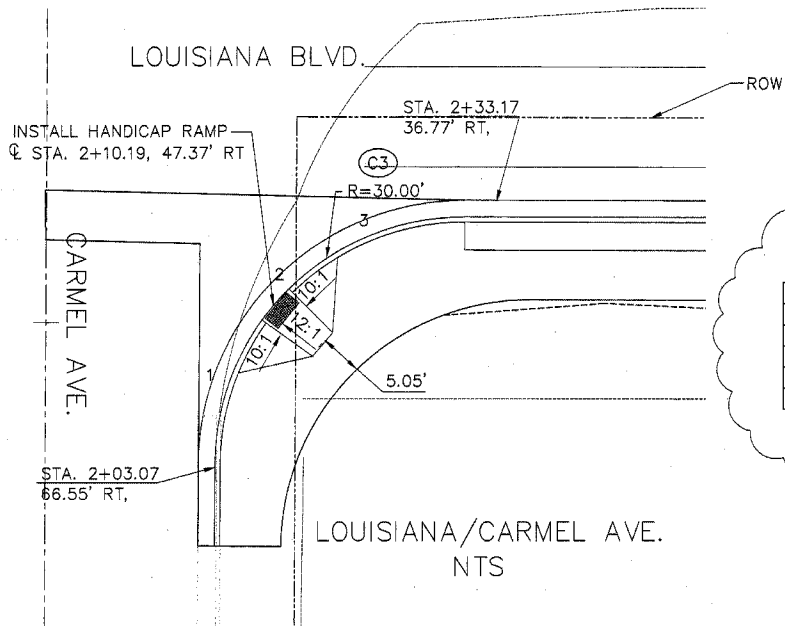
SIDEWALK, 4" THICK, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE COMPACTION, CP. SD 2430 ITEM NO. 340.010							
STATION	LOCATION	TO	STATION	LOCATION	LIN. FT.	WIDTH (FT.)	REMARKS

P:\21675-COA Louisiana\06_00_Project_Engineering_and_Design\6.1 CAD\6.1.5 Submittal\AS-BUILT\21675A001.dwg
May 16, 2007 - 12:37pm

CARMEL AVE.

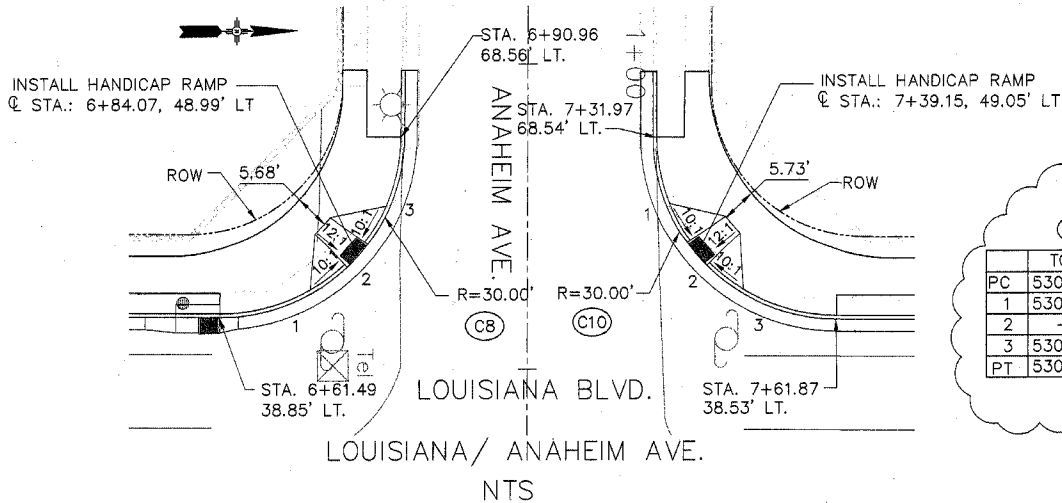


LOUISIANA BLVD.



CARMEL AVE.

LOUISIANA/CARMEL AVE.
NTS



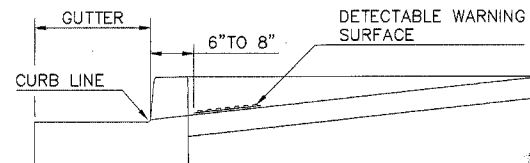
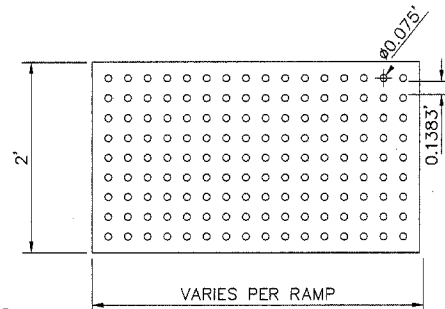
LOUISIANA BLVD.
LOUISIANA/ ANAHEIM AVE.
NTS

CONSTRUCTION NOTE:

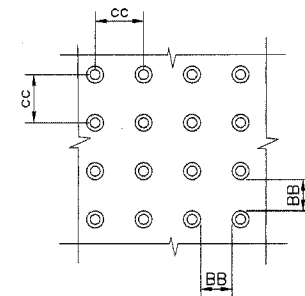
1. ALL CURB ACCESS RAMPS TO BE CONSTRUCTED AS SHOWN ON COA STND DWG 2441.

GENERAL NOTES:

1. FOR ADDITIONAL ADA RAMP DETAILS REFER TO NMDOT STANDARD SPECIFICATION SERIAL NO. PAD-001-3/10.
2. TRUNCATED DOMES SHALL BE PREFORMED PLASTIC PANELS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE ADA PEDESTRIAN RAMPS AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFORE.
3. COLOR FOR THE TRUNCATED DOMES SHALL BE TRAFFIC YELLOW.
4. DETECTABLE WARNING SURFACES SHALL EXTEND 24" MIN. IN THE DIRECTION OF TRAVEL AND FULL WIDTH OF THE CURB RAMP, LANDING, OR TRANSITION. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE CROSSWALK TO PERMIT WHEELS TO ROLL BETWEEN DOMES.

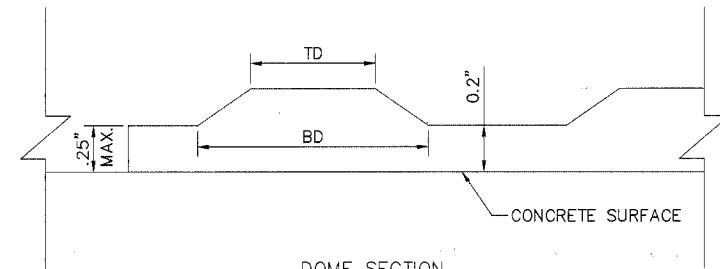


LOCATION



CC-CENTER TO CENTER SPACING
1.6" MIN TO 2.4" MAX.

BB-BASE TO BASE SPACING
0.65" MIN.



DOMES SECTION

BD=BASE DIAMETER-0.9" MIN TO 1.4" MAX

TD=TOP DIAMETER-50% OF BD MIN TO 65% OF BD MAX.

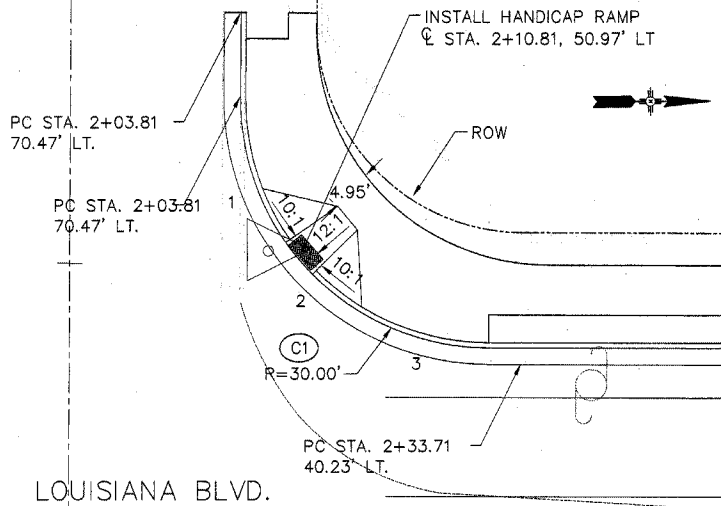
AS-BUILT

NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

HDR 2155 LOUISIANA BLVD., NE SUITE 9500 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454	
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION	
TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS CARMEL AVE. TO SIGNAL AVE MISCELLANEOUS DETAILS	
Design Review Committee	City Engineer Approval
City Project No. 7432-91	Zone Map No. C18-19
Sheet 8	Of 49

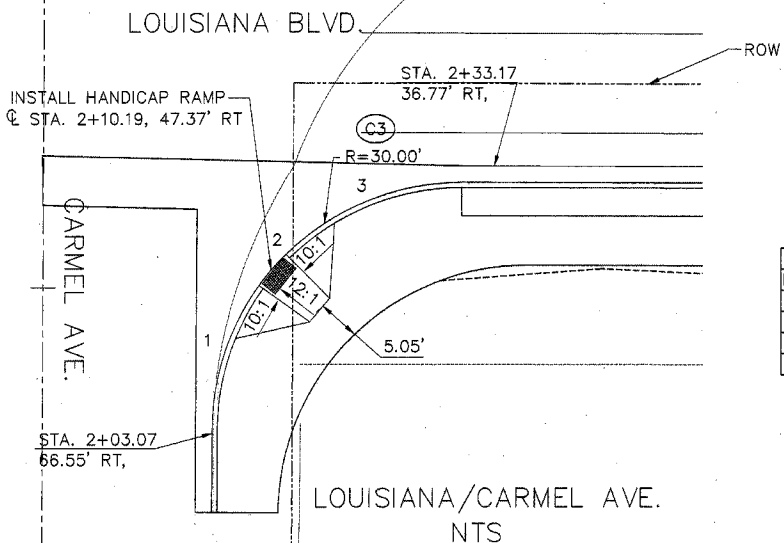
CARMEL AVE.



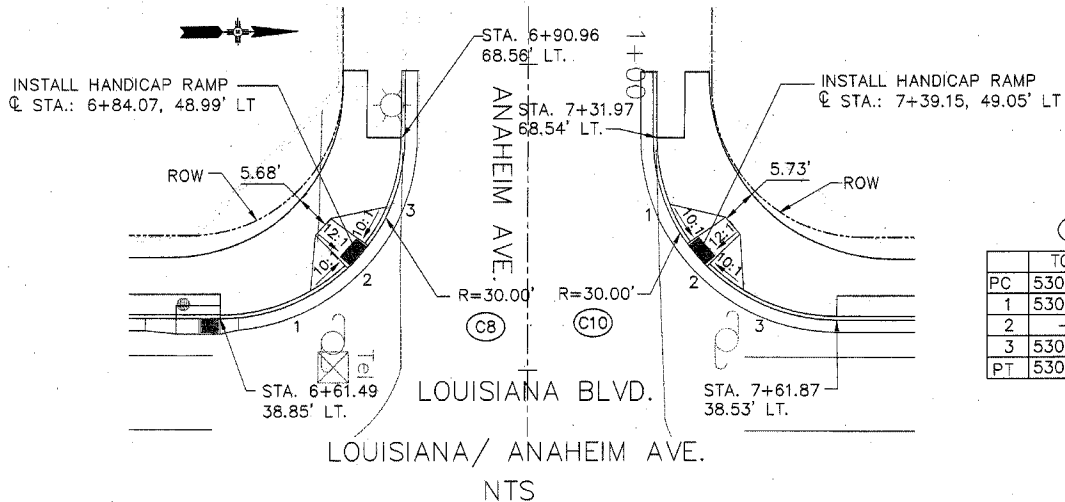
CONSTRUCTION NOTE:

1. ALL CURB ACCESS RAMPS TO BE CONSTRUCTED AS SHOWN ON COA STND DWG 2441.

C1		
	TC	FL
PC	5307.29	5306.62
1	5307.68	5307.00
2	-	5307.38
3	5308.43	5307.76
PT	5308.80	5308.13



C3		
	TC	FL
PC	5310.57	5309.90
1	5310.19	5309.52
2	-	5309.15
3	5309.45	5308.78
PT	5309.08	5308.41

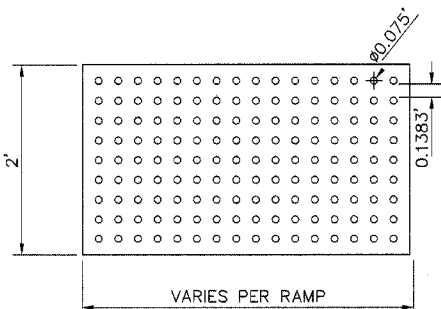


C8		
	TC	FL
PC	5306.50	5305.83
1	5306.31	5305.64
2	-	5305.45
3	5305.92	5305.25
PT	5305.73	5305.06

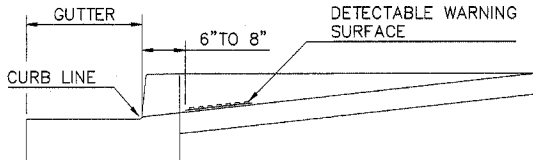
C10		
	TC	FL
PC	5306.01	5305.34
1	5306.00	5305.92
2	-	5305.16
3	5305.73	5305.06
PT	5305.64	5304.97

GENERAL NOTES:

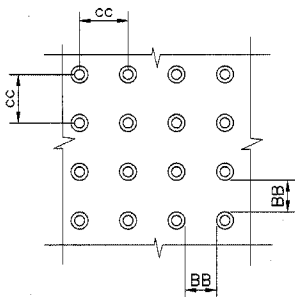
- FOR ADDITIONAL ADA RAMP DETAILS REFER TO NMDOT STANDARD SPECIFICATION SERIAL NO. PAD-001-3/10.
- TRUNCATED DOMES SHALL BE PREFORMED PLASTIC PANELS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE ADA PEDESTRIAN RAMPS AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFORE.
- COLOR FOR THE TRUNCATED DOMES SHALL BE TRAFFIC YELLOW.
- DETECTABLE WARNING SURFACES SHALL EXTEND 24" MIN. IN THE DIRECTION OF TRAVEL AND FULL WIDTH OF THE CURB RAMP, LANDING, OR TRANSITION. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE CROSSWALK TO PERMIT WHEELS TO ROLL BETWEEN DOMES.



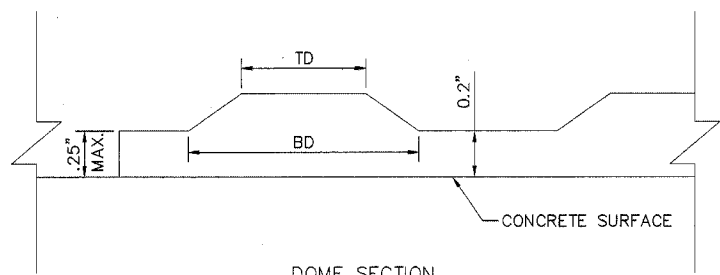
TRUNCATED DOME
TYPICAL DETAIL
NTS



LOCATION



CC-CENTER TO CENTER SPACING
1.6" MIN TO 2.4" MAX.
BB-BASE TO BASE SPACING
0.65" MIN.



DOMES SECTION

BD=BASE DIAMETER-0.9" MIN TO 1.4" MAX
TD=TOP DIAMETER-50% OF BD MIN. TO 65% OF BD MAX.

NOTICE OF EXTENDED PAYMENT PROVISION
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

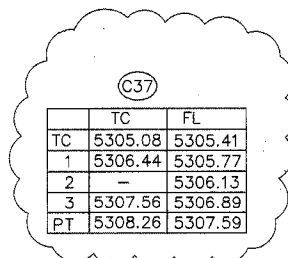
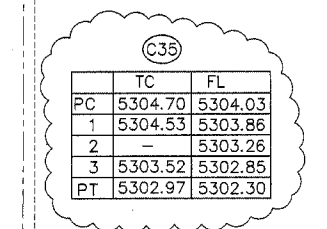


CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: **LOUISIANA BLVD. ROADWAY IMPROVEMENTS**
CARMEL AVE. TO SIGNAL AVE
MISCELLANEOUS DETAILS

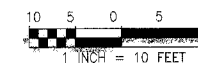


City Project No. 7432-91 Zone Map No. C18-19 Sheet 8 of 49



NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.



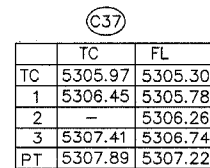
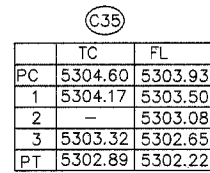
2155 LOUISIANA BLVD.,
SUITE 9500
ALBUQUERQUE, NM 87
MAIN: (505) 830-5400
FAX: (505) 830-5454



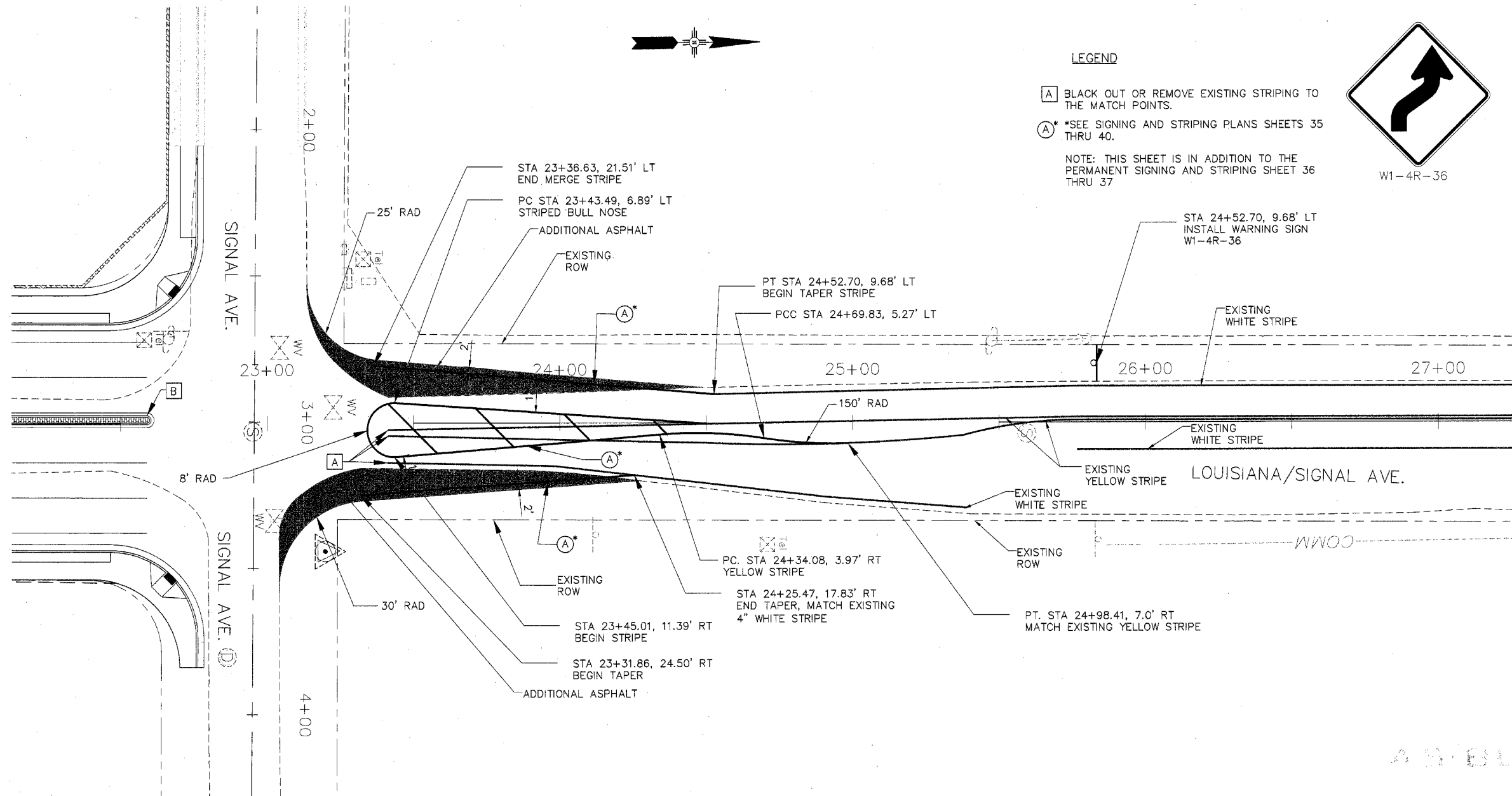
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: **LOUISIANA BLVD. ROADWAY IMPROVEMENTS,
CARMEL AVE. TO SIGNAL AVE
MISCELLANEOUS DETAILS**

Design Review Committee		City Engineer Approval		Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.		Zone Map No.	Sheet	Of		
7432-91		C18-19	10	49		



	2155 LOUISIANA BLVD., NE SUITE #500 ALBUQUERQUE, NM 87110 MAIL: (505) 830-3400 FAX: (505) 830-3454		NO.	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	
	CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION							
TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS CARMEL AVE. TO SIGNAL AVE MISCELLANEOUS DETAILS								
Design Review Committee		City Engineer Approval		Ms./Day/Yr.		Ms./Day/Yr.		
				Last Design Update				
City Project No.		Zone Map No.		Sheet		Of		
7432-91		C18-19		10		49		



W1-4R-36

COA ITEM NO.	COA ITEM NO.	UNIT	ESTIMATE
336.037	ARTERIAL ASPHALT CONCRETE, TYPE SP III, 2-1/2" INCH THICK, MACHINE LAYDOWN, CIP	SQ. YD.	57
441.001	REFLECTORIZED PLASTIC PAVEMENT MARKING, 4" WIDTH, CIP	LF	146**

**QUANTITIES REFLECTS ONLY THE ADDITIONAL QUANTITIES

AS-BUILT

NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

H&R

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE
MISCELLANEOUS DETAILS

Design Review Committee	
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City Engineer Approval

Last Design Update

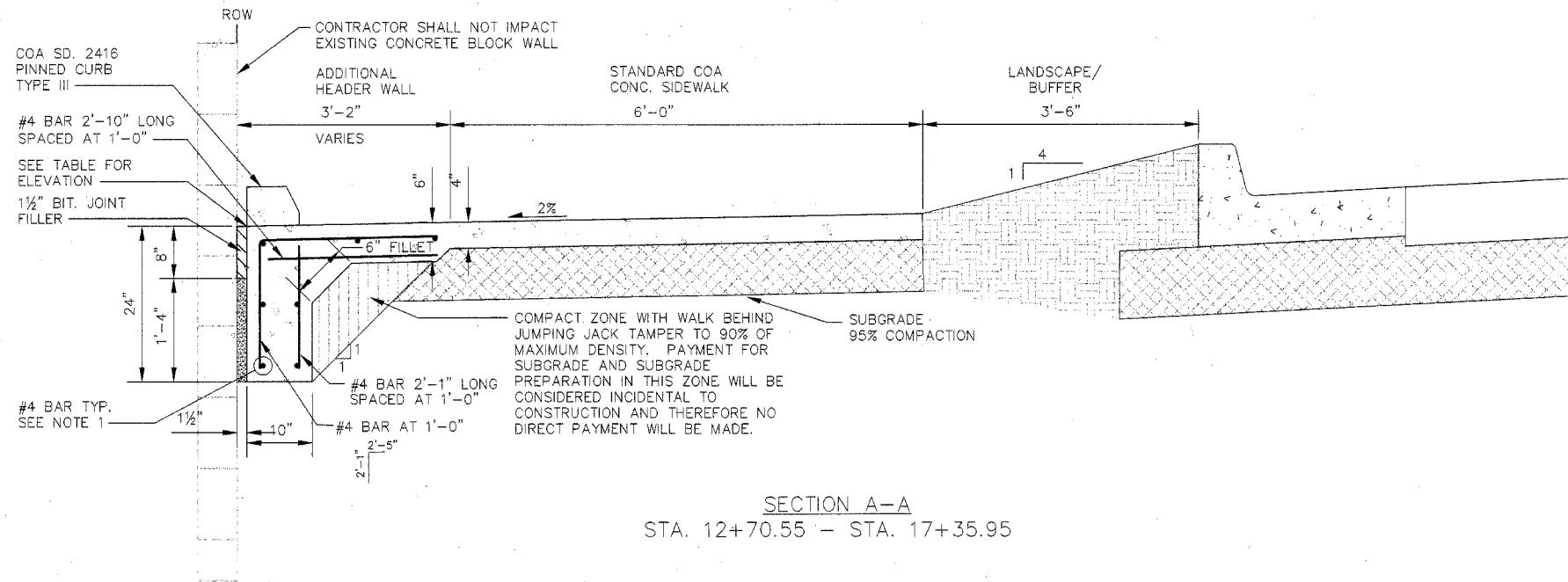
Mo./Day/Yr.

Mo./Day/Yr.

City Project No.	7432-91
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Zone Map No.	C18-19
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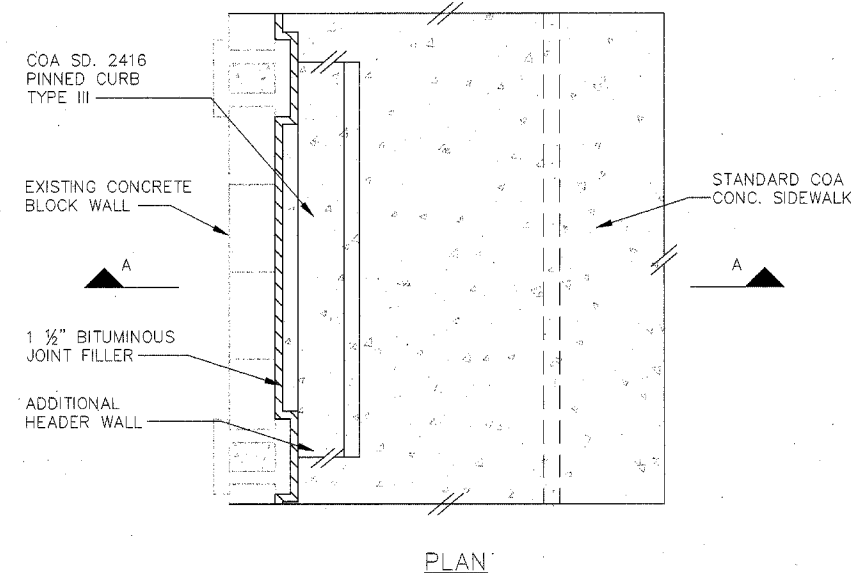
Sheet	Of
10a	49



SECTION A-A
STA. 12+70.55 - STA. 17+35.95

NOTES:

1. THE MINIMUM SPLICE LENGTH IS THE GREATER, 1'-0" OR CLASS "B".
2. CLEAR COVER FOR REINFORCEMENT SHALL BE 2" UNLESS NOTED OTHERWISE.
3. CONTRACTOR TO OBTAIN REQUIRED COMPACTION UNDERNEATH AND NEXT TO RETAINING WALL.
4. THE MINIMUM BENDING RADIUS FOR REINFORCEMENT SHALL BE 1 1/2".



ADDITIONAL HEADER WALL QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
340.081	PINNED CURB, TYPE III & IV, PORTLAND CEMENT CONCRETE, CIP, SD 2416	LF	877
510.110	STRUCTURAL, REINFORCED PC CONCRETE, 4000 PSI, INCL. FORMWORK, CIP.	CU. YD.	127
*	1 1/2" THICK BITUMINOUS JOINT FILLER	SQ. FT.	12
*	1 1/2" THICK POLYSTYRENE JOINT FILLER	SQ. FT.	30
*	REINFORCING BARS	LB.	11154
*	SUBGRADE	SQ. YD.	184
* FOR CONTRACTOR INFORMATION ONLY			

HEADER WALL ELEVATIONS		
STATION	OFFSET	ELEVATION
12+69.46	76.88 LT	MATCH EXISTING
12+72.60	66.46 LT	5303.69
12+79.22	57.84 LT	5303.76
12+88.49	52.15 LT	5303.87
12+99.18	50.13 LT	5302.91
14+00.00	49.75 LT	5302.26
15+00.00	49.37 LT	5301.62
16+00.00	48.99 LT	5300.97
17+00.00	48.61 LT	5300.45
17+06.90	48.58 LT	5300.45
17+17.68	50.52 LT	5300.62
17+27.03	56.24 LT	5300.77
17+33.73	64.70 LT	5300.87
17+36.85	75.40 LT	MATCH EXISTING

- BITUMINOUS JOINT FILLER
- EXPANDED POLYSTYRENE JOINT FILLER
- SUBGRADE 95% COMPACTION
- SUBGRADE 90% COMPACTION

AS-BUILT

HDR
2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MARK: (505) 830-5400
FAX: (505) 830-5454

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: **LOUISIANA BLVD. ROADWAY IMPROVEMENTS**
CARMEL AVE. TO SIGNAL AVE
STRUCTURE PLANS

Design Review Committee APPROVE MAY 17 2006 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVE MAY 17 2006 CITY ENGINEER	Last Design Update
---	--	--------------------

City Project No. 7432-91 Zone Map No. C18-19 Sheet 11 Of 48

AS-BUILT INFORMATION	
CONTRACTOR	Monmouth Survey DATE 12/06
STAMPED BY	Accurate Survey DATE 12/06
INSPECTOR'S	COA Count. Inv. DATE 12/06
FIELD NOTES BY	COA Count. Inv. DATE 12/06
VERIFICATION BY	COA Count. Inv. DATE 12/06
CHECKED BY	HDR Inc. DATE 12/06
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	DATE

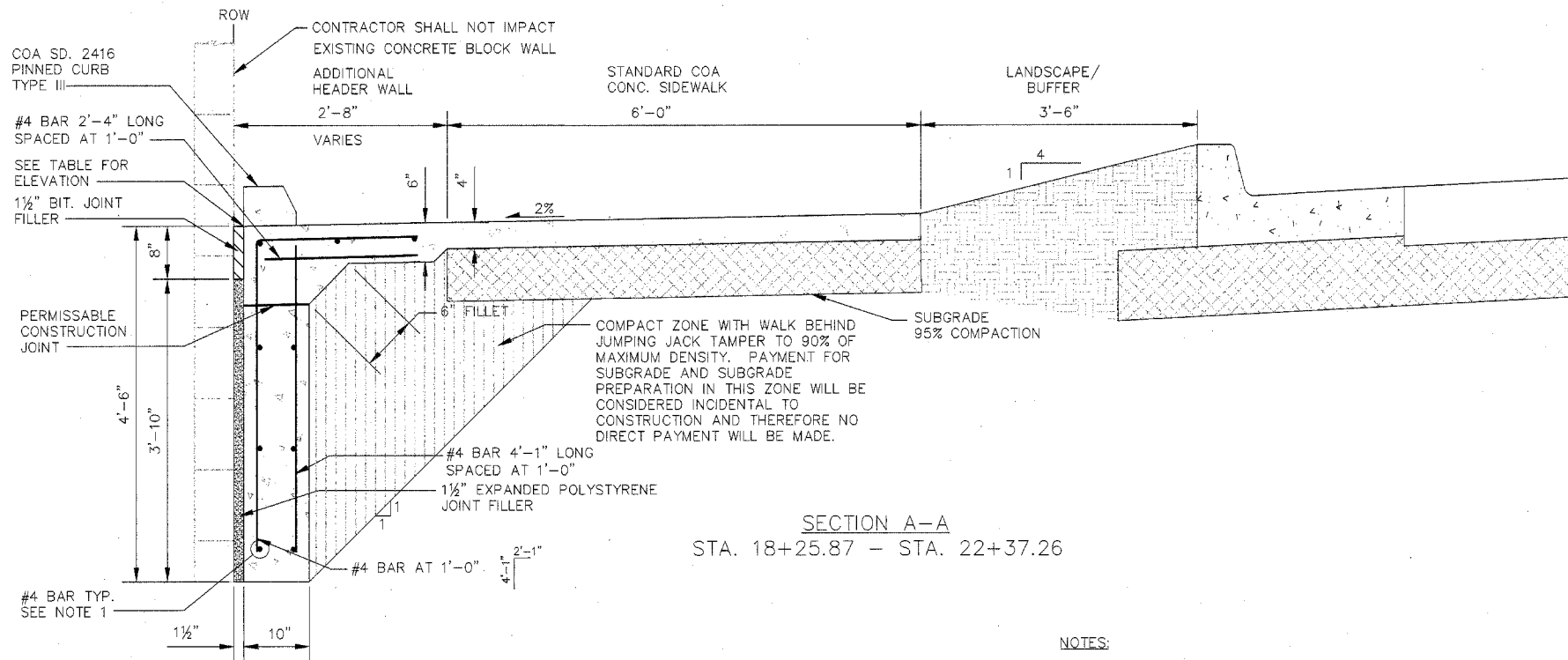
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THE STA. MARK IS A STANDARD US&CG BRASS TABLET	
STAMPED "HEAVEN 1967". TO REACH THE STA. GO NORTH ON WYOMING TO PASO DEL NORTE WEST ON PASO DEL NORTE 0.15 MI TO STA ON THE LEFT. X=407,051.31, Y=1518,737.03, EL=5375.79, GRN TO GRID FACTOR 99965263 (3RD ORDER). NAD 1927	

SURVEY INFORMATION	
FIELD NOTES	DATE
NO.	BY

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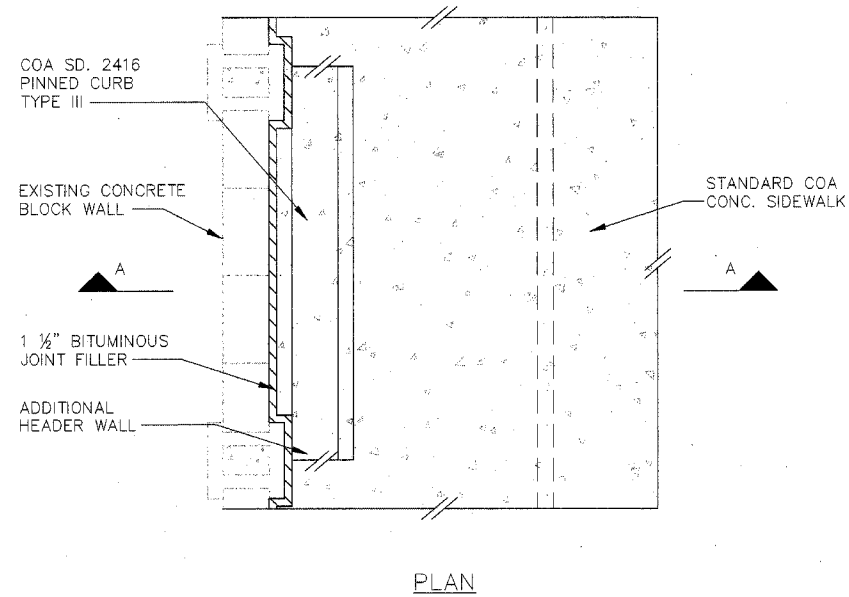
REVISIONS	
NO.	DATE
BY	DATE
REMARKS	DATE
HDR INC.	DATE
DESIGNED BY: LUF	DATE: 8/12/05
DRAWN BY: JLS	DATE: 8/12/05
CHECKED BY: LUF	DATE: 8/12/05

P:\21525-COA Louisiana\6.0 PDEV\6.1 CADD\6.1.5 Submitted\FINAL\RETAIN-Signal-Wishire.dwg
Feb 17, 2006 9:15am



NOTES:

1. THE MINIMUM SPLICE LENGTH IS THE GREATER, 1'-0" OR CLASS "B".
2. CLEAR COVER FOR REINFORCEMENT SHALL BE 2" UNLESS NOTED OTHERWISE.
3. CONTRACTOR TO OBTAIN REQUIRED COMPACTION UNDERNEATH AND NEXT TO RETAINING WALL.
4. THE MINIMUM BENDING RADIUS FOR REINFORCEMENT SHALL BE 1 1/2".



HEADER WALL ELEVATIONS		
STATION	OFFSET	ELEVATION
18+25.87	47.74 LT	5301.12
19+00.00	47.45 LT	5301.69
20+00.00	47.15 TL	5302.30
21+00.00	46.84 LT	5302.80
22+00.00	46.58 LT	5303.30
22+37.26	46.52 LT	5303.49

- BITUMINOUS JOINT FILLER
EXPANDED POLYSTYRENE JOINT FILLER
SUBGRADE 95% COMPACTION
SUBGRADE 90% COMPACTION

AS-BUILT

HDR

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: **LOUISIANA BLVD. ROADWAY IMPROVEMENTS**
CARMEL AVE. TO SIGNAL AVE
STRUCTURE PLANS

Design Review Committee
APPROVED
MAY 17 2006
DESIGN REVIEW COMMITTEE

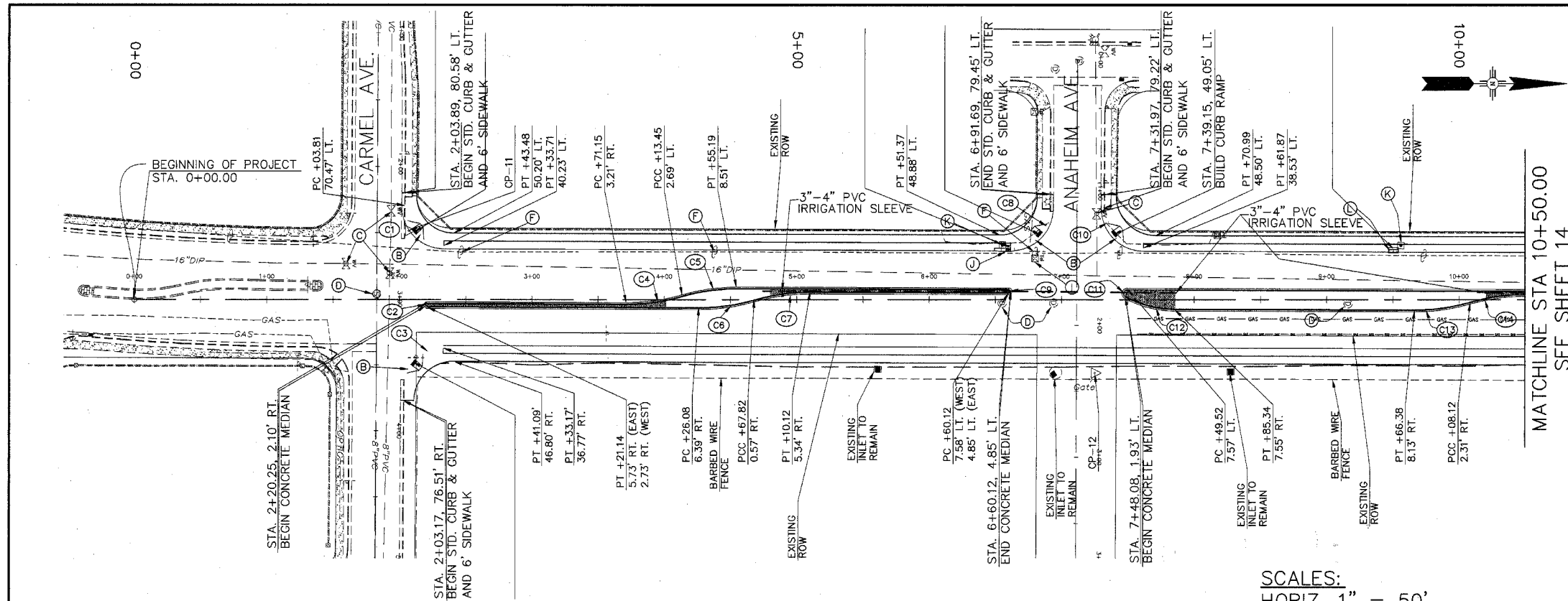
City Engineer Approval
APPROVED
MAY 17 2006
CITY ENGINEER

Ms./Day/Yr.
Ms./Day/Yr.
Last Design Update

City Project No. 7432-91 Zone Map No. C18-19 Sheet 12 of 48

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE 12/06	THE STA. MARK IS A STANDARD US&CGO BRASS TABLET	DATE	FIELD NOTES	DATE		
STAMPED BY	DATE 8/06	TO REACH THE STA. 60 NORTH ON	DATE	BY	DATE		
INSPECTOR'S	DATE 12/06	WYOMING TO PASEO DEL NORTE WEST ON PASO DEL NORTE	DATE	NO.	DATE	REMARKS REVISIONS HDR INC.	
FIELD	DATE 12/06	0.15 MI TO STA ON THE LEFT, X=407,001.31, Y=1,518,737.03	DATE		DATE		
ADJUSTMENT BY	DATE 5/07	EL=5378.74, GRN TO GRID FACTOR .99962803 (3RD ORDER)	DATE		DATE	DESIGNED BY: LUF DRAWN BY: JLS CHECKED BY: LUF	
CHECKED BY	DATE	NAD 1927	DATE		DATE		
MICRO-FILM INFORMATION		RECORDED BY					

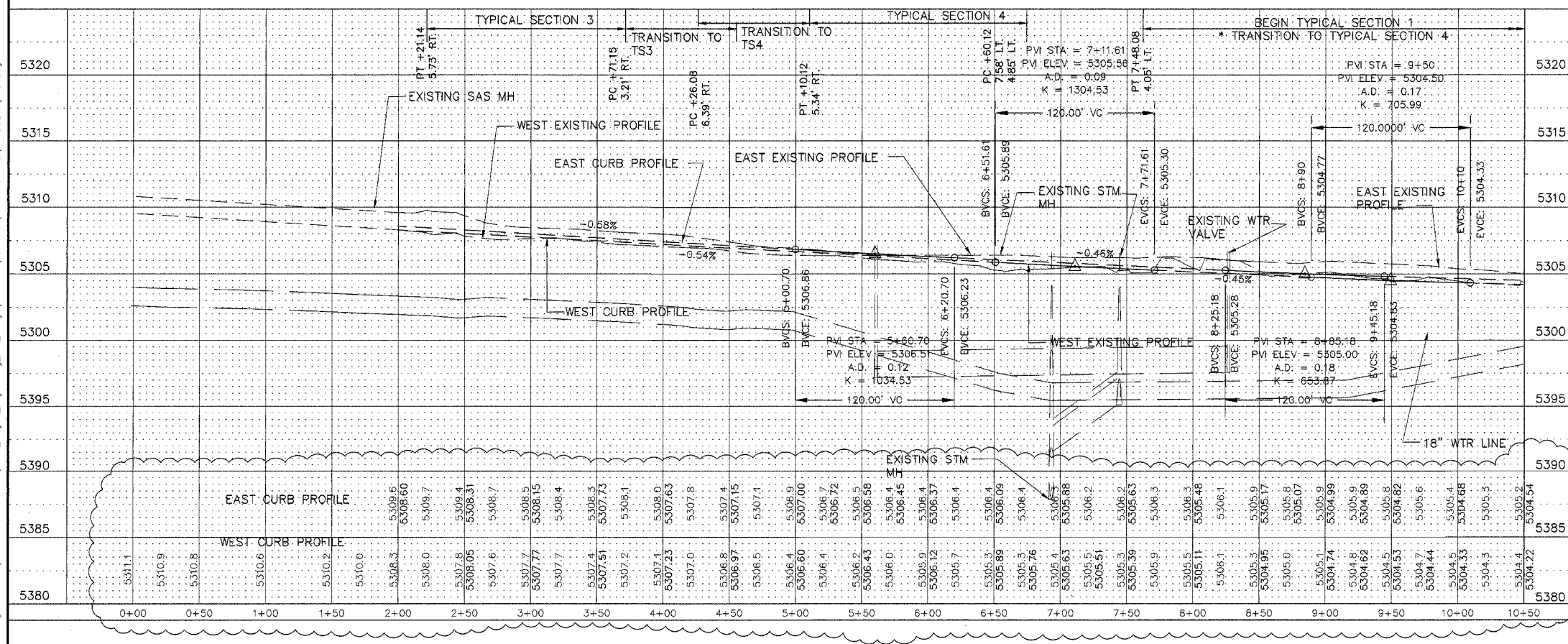
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MATCHLINE STA 10+50.00
SEE SHEET 14

SCALES:
HORIZ. 1" = 50'
VERT. 1" = 5'

LOUISIANA BLVD.



CONSTRUCTION KEYED NOTES:

- CONSTRUCTION IS NOT THE SAME AS E ROADWAY SEE TYPICAL SECTIONS FOR OFFSET DISTANCES.
- PROFILE GRADES SHOWN ARE AT THE LIP OF GUTTER ON THE EAST AND WEST CURB LIPS.
- SEE SHEETS 41-46 FOR PROPOSED UTILITIES, (STORM, WATER, ELECTRICAL, STREET LIGHTING, ETC.).
- SEE SHEET 4 FOR SURVEY CONTROL POINT INFORMATION.

CONSTRUCTION KEYED NOTES:

- STA 21+50 LT TO STA. 23+75 LT. CONSTRUCT CONCRETE STANDARD CURB AND GUTTER. SEE COA STANDARD DRAWING 2415 FOR DETAILS.
- CONSTRUCT STANDARD CURB RAMP PER COA STANDARD DWG 2440.
- ADJUST VALVE BOX TO FINISHED GRADE. SEE COA STND DWG 2460.
- ADJUST EXISTING MANHOLE RIM TO FINISHED GRADE. SEE STND DWG 2460.
- CONSTRUCT 4" PCC MEDIAN PAVEMENT. SEE SHEETS 5 & 6 AND COA STANDARD DRAWING 2501 FOR DETAILS.
- POWER POLE TO BE RELOCATED SEE TRAFFIC CONTROL PLAN SHEETS 42 & 43.
- WATCH EXISTING ASPHALT
- BACK OF SIDEWALK
- COMMUNICATION RISER TO BE MOVED BY OTHERS.
- STA 6+61.49, 38.85' LT. CONSTRUCT NEW "TYPE A" STORM INLET AND TIE TO EXISTING 24" STORM DRAIN LINE. PER COA STND. DWG 2201 AND COLLAR DETAIL SHEET 39. GRATE EL. = 5305.85; INV EL. = 5301.52
- STA 9+50.39, 37.92' LT. CONSTRUCT NEW "TYPE A" STORM INLET AND TIE TO EXISTING 24" STORM DRAIN LINE. PER COA STND. DWG 2201 AND COLLAR DETAIL SHEET 39. GRATE EL. = 5304.52; INV EL. = 5300.19

C12 CURVE DATA

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	90°18'43"	30.00	47.27	30.15
C2	180°00'00"	1.50	4.71	INFINITE
C3	89°45'24"	30.00	46.98	29.86
C4	15°38'19"	150.73	41.14	20.70
C5	16°26'00"	150.00	43.02	21.68
C6	16°15'37"	150.00	42.57	21.43
C7	16°15'37"	150.00	42.57	21.43
C8	89°36'52"	30.00	46.91	29.79
C9	180°00'00"	1.50	4.71	INFINITE
C10	89°51'54"	30.00	47.04	29.92
C11	151°50'00"	3.00	7.95	11.96
C12	27°59'11"	80.00	39.08	19.94
C13	16°15'36"	150.00	42.57	21.43
C14	16°15'37"	150.00	42.57	21.43

CURVE DATA SHOWN FOR FACE
UNLESS OTHERWISE NOTED.

AS-BUILT

NOTICE OF EXTENDED PAYMENT PROMISION

THIS CONTRACT ALLOWS THE OWNER TO
MAKE PAYMENT WITHIN 45 DAYS AFTER
SUBMISSION OF AN UNDISPUTED REQUEST
FOR PAYMENT.



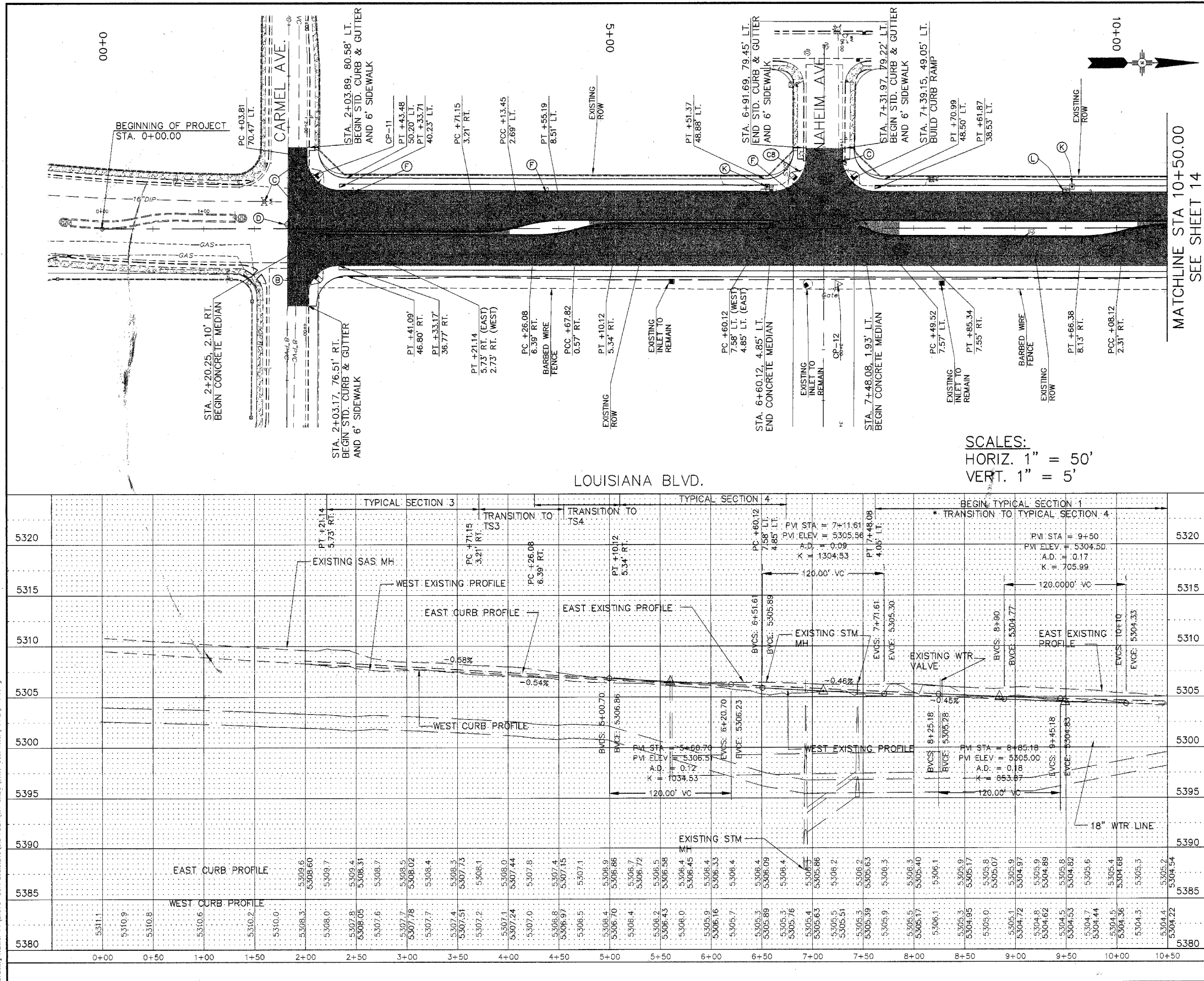
2155 LOUISIANA BLVD., NE
SUITE 6000
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: **LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE**
CONSTRUCTION PLAN AND PROFILE

Design Review Committee	City Engineer Approval	Ms./Bos./Tr.	Ms./Bos./Tr.

City Project No. 7432-91 Zone Map No. C18-19 Sheet 13 of 49



CONSTRUCTION KEYED NOTES:

- CONSTRUCTION IS NOT THE SAME AS ROADWAY SEE TYPICAL SECTIONS FOR OFFSET DISTANCES.
- PROFILE GRADES SHOWN ARE AT THE TOP OF GUTTER ON THE EAST AND WEST CURB LIPS.
- SEE SHEETS 41-46 FOR PROPOSED UTILITIES, (STORM, WATER, ELECTRICAL, STREET LIGHTING, ETC.).
- SEE SHEET 4 FOR SURVEY CONTROL POINT INFORMATION.

CONSTRUCTION KEYED NOTES:

- STA 21+50 LT TO STA. 23+75 LT, CONSTRUCT CONCRETE STANDARD CURB AND GUTTER. SEE COA STANDARD DRAWING 2415 FOR DETAILS.
- CONSTRUCT STANDARD CURB RAMP PER COA STANDARD DWG 2440.
- ADJUST VALVE BOX TO FINISHED GRADE. SEE COA STD DWG 2460.
- ADJUST EXISTING MANHOLE RIM TO FINISHED GRADE. SEE STD DWG 2460.
- CONSTRUCT 4" PCC MEDIAN PAVEMENT. SEE SHEETS 5 & 6 AND COA STANDARD DRAWING 2501 FOR DETAILS.
- POWER POLE TO BE RELOCATED SEE TRAFFIC CONTROL PLAN SHEETS 42 & 43.
- MATCH EXISTING ASPHALT
- BACK OF SIDEWALK
- COMMUNICATION RISER TO BE MOVED BY OTHERS.
- STA 6+61.49, 38.85' LT. CONSTRUCT NEW "TYPE A" STORM INLET AND TIE TO EXISTING 24" STORM DRAIN LINE. PER COA STD. DWG 2201 AND COLLAR DETAIL SHEET 39. GRATE EL. = 5305.85; INV EL. = 5301.52
- REMOVE AND DISPOSE OF EXISTING AREA STORM INLET.
- STA 9+50.39, 37.92' LT. CONSTRUCT NEW "TYPE A" STORM INLET AND TIE TO EXISTING 24" STORM DRAIN LINE. PER COA STD. DWG 2201 AND COLLAR DETAIL SHEET 39. GRATE EL. = 5304.52; INV EL. = 5300.19

SCALES:
HORIZ. 1" = 50'
VERT. 1" = 5'

CURVE DATA

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	90°18'43"	30.00	47.27	30.15
C2	180°00'00"	1.50	4.71	INFINITE
C3	89°45'24"	30.00	46.98	29.86
C4	15°38'19"	150.73	41.14	20.70
C5	18°28'00"	150.00	43.02	21.66
C6	16°15'37"	150.00	42.57	21.43
C7	16°15'37"	150.00	42.57	21.43
C8	89°36'52"	30.00	46.91	29.79
C9	180°00'00"	1.50	4.71	INFINITE
C10	89°51'54"	30.00	47.04	29.92
C11	151°50'00"	3.00	7.95	11.96
C12	27°59'11"	80.00	39.08	19.94
C13	16°15'36"	150.00	42.57	21.43
C14	16°15'37"	150.00	42.57	21.43

CURVE DATA SHOWN FOR FACE UNLESS OTHERWISE NOTED.

NOTICE OF EXTENDED PAYMENT PROVISION
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

HDR
2155 LOUISIANA BLVD., NE
SUITE 9000
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE
CONSTRUCTION PLAN AND PROFILE

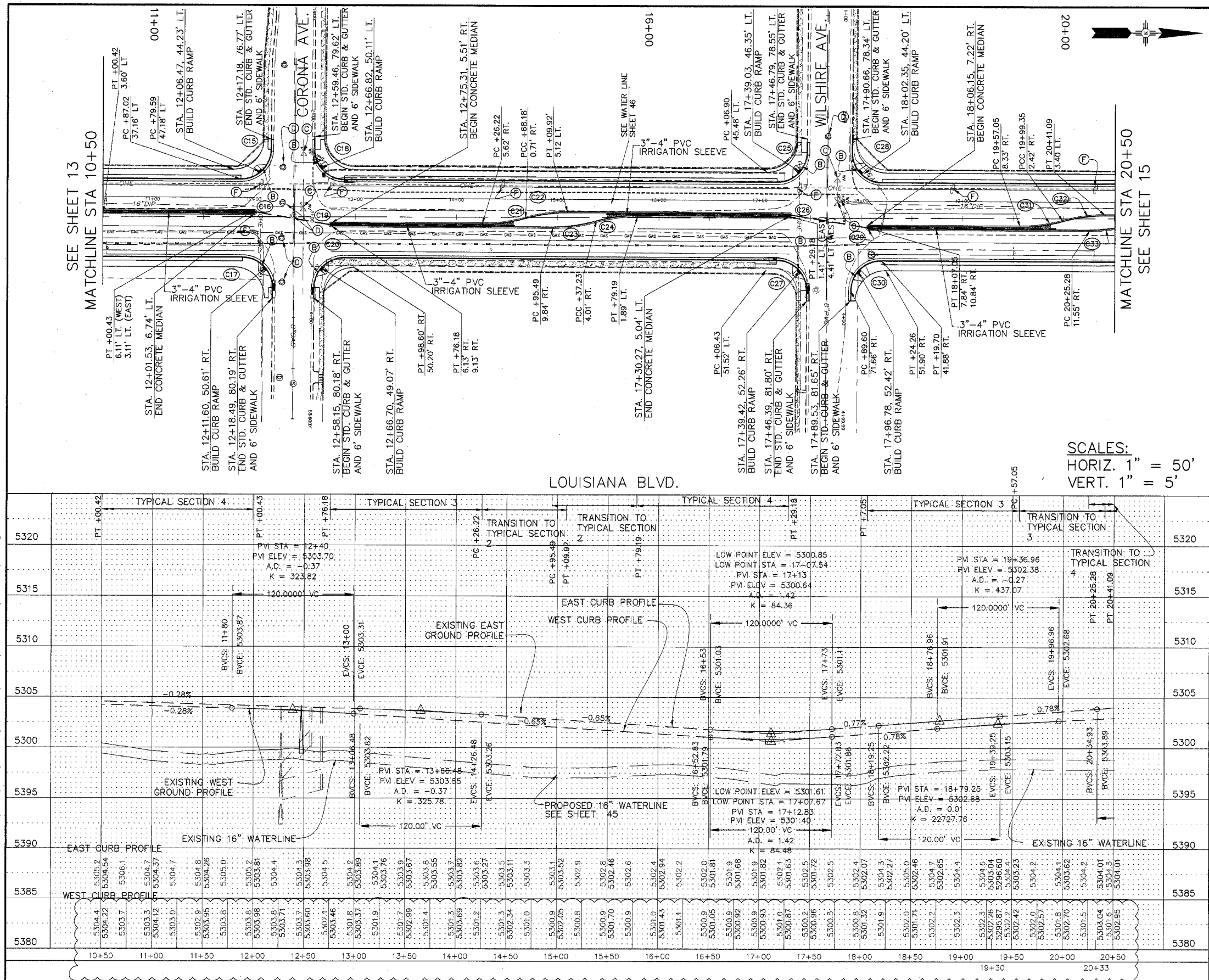
Design Review Committee: APPROVED MAY 17 2006
City Engineer: APPROVED MAY 17 2006

City Project No. 7432-91
Zone Map No. C18-19
Sheet 13 of 49

ENGINEER'S SEAL
PELTER L. BRAKENHOFF
REGISTERED PROFESSIONAL ENGINEER
NO. 4225
STATE OF NEW MEXICO

AS BUILT INFORMATION
CONTRACTOR: DATE: WORK BY: DATE: INSPECTOR'S ACCEPTANCE BY: DATE: DRAWINGS BY: DATE: CHECKED BY: DATE: MICRO-FILM INFORMATION: NO. DATE: RECORDED BY: DATE:

SURVEY INFORMATION
FIELD NOTES: NO. BY DATE: ENGINEER'S SEAL: NO. DATE: REMARKS: REVISIONS: HDR INC. DESIGNED BY: PJB DATE: 12/29/05 DRAWN BY: DAS DATE: 12/29/05 CHECKED BY: E.H. DATE: 12/29/05



SCALES:
HORIZ. 1" = 50'
VERT. 1" = 5'

- CONSTRUCTION KEYED NOTES:
1. CONSTRUCTION IS NOT THE SAME AS ROADWAY SEE TYPICAL SECTIONS FOR OFFSET DISTANCES.
 2. PROFILE GRADES SHOWN ARE AT THE LIP OF GUTTER ON THE EAST AND WEST CURB LIPS.
 3. SEE SHEETS 41-46 FOR PROPOSED UTILITIES, (STORM, WATER, ELECTRICAL, STREET LIGHTING, ETC.).
 4. SEE SHEET 4 FOR SURVEY CONTROL POINT INFORMATION.

- CONSTRUCTION KEYED NOTES:
- A. STA. 21+50 TO STA. 23+75 LT. CONSTRUCT CONCRETE STANDARD CURB AND GUTTER. SEE COA STANDARD DRAWING 2415 FOR DETAILS.
 - B. CONSTRUCT STANDARD CURB RAMP PER COA STANDARD DWG 2440.
 - C. ADJUST VALVE BOX TO FINISHED GRADE. SEE COA STD DWG 2460.
 - D. ADJUST EXISTING MANHOLE RIM TO FINISHED GRADE. SEE STD DWG 2460.
 - E. CONSTRUCT 4" PCC MEDIAN PAVEMENT. SEE SHEETS 5 & 6 AND COA STANDARD DRAWING 2501 FOR DETAILS.
 - F. POWER POLE TO BE RELOCATED SEE TRAFFIC CONTROL PLAN SHEETS 42 & 43.
 - G. MATCH EXISTING ASPHALT
 - H. BACK OF SIDEWALK
 - I. COMMUNICATION RISER TO BE MOVED BY OTHERS.
 - J. STA. 6+61.49, 38.85' LT. CONSTRUCT NEW "TYPE A" STORM INLET AND TIE TO EXISTING 24" STORM DRAIN LINE. PER COA STD. DWG 2201 AND COLLAR DETAIL SHEET 39. GRATE EL. = 5305.85; INV EL. = 5301.52
 - K. REMOVE AND DISPOSE OF EXISTING AREA STORM INLET.
 - L. STA. 9+50.39, 37.92' LT. CONSTRUCT NEW "TYPE A" STORM INLET AND TIE TO EXISTING 24" STORM DRAIN LINE. PER COA STD. DWG 2201 AND COLLAR DETAIL SHEET 39. GRATE EL. = 5304.52; INV EL. = 5300.19

C12 CURVE DATA

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C15	89°52'57"	30.00	47.05	29.93
C16	180°00'00"	1.50	4.71	INFINITE
C17	90°23'35"	30.00	47.31	30.20
C18	90°09'33"	30.00	47.19	30.07
C19	180°00'00"	1.50	4.71	INFINITE
C20	89°47'11"	30.00	47.00	29.88
C21	16°15'37"	150.00	42.57	21.43
C22	16°15'37"	150.00	42.57	21.43
C23	16°15'37"	150.00	42.57	21.43
C24	16°15'37"	150.00	42.57	21.43
C25	89°33'27"	30.00	46.88	29.76
C26	180°00'00"	1.50	4.71	INFINITE
C27	90°07'51"	30.00	47.18	30.06
C28	90°12'36"	30.00	47.22	30.10
C29	180°00'00"	1.50	4.71	INFINITE
C30	89°47'55"	30.00	47.00	29.88
C31	16°15'37"	150.00	42.57	21.43
C32	16°15'37"	150.00	42.57	21.43
C33	16°15'37"	150.00	42.57	21.43

CURVE DATA SHOWN FOR FACE UNLESS OTHERWISE NOTED.

AS-BUILT

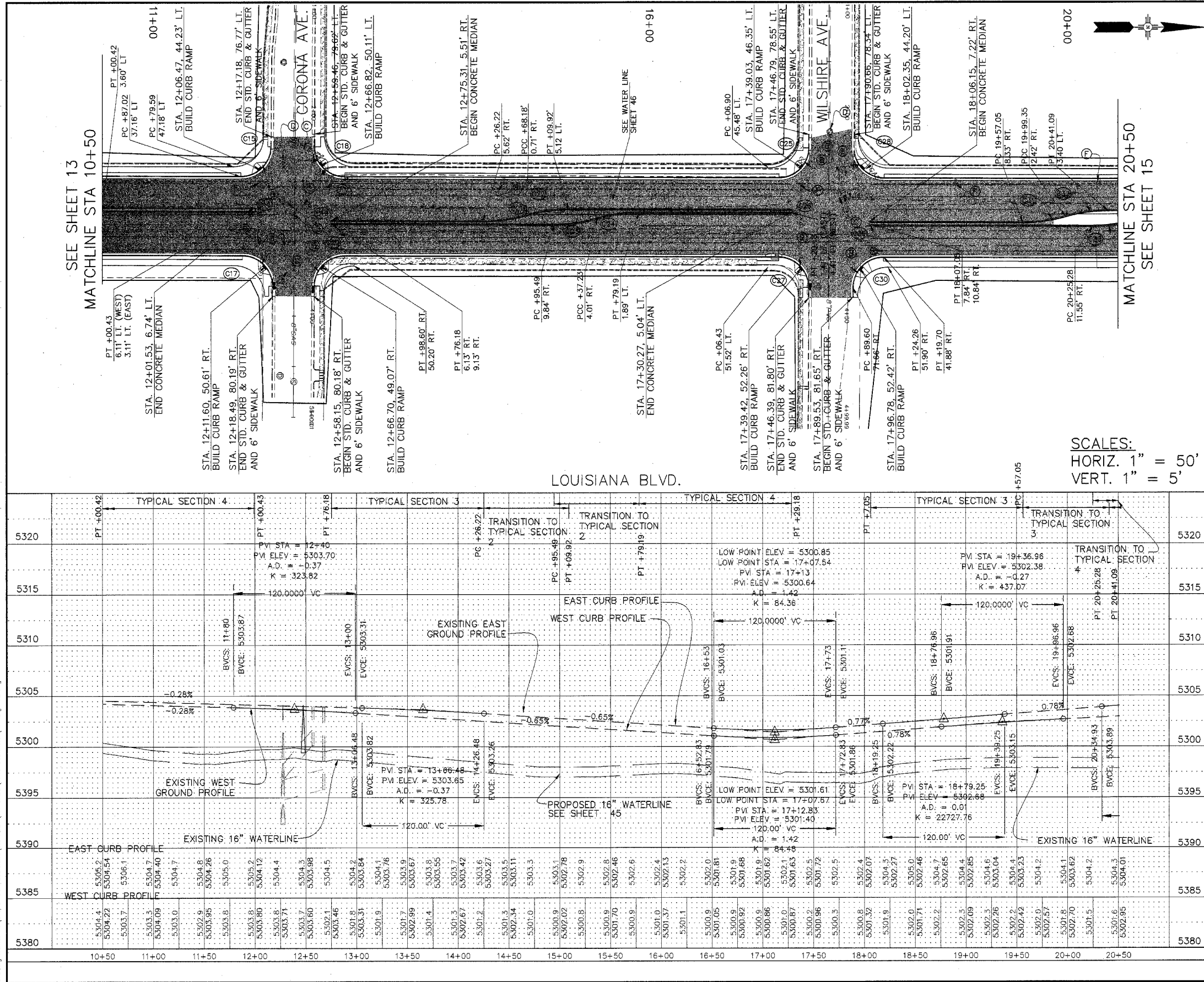
NOTICE OF EXTENDED PAYMENT PROVISION
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: **LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE**
CONSTRUCTION PLAN AND PROFILE

Design Review Committee	City Engineer Approval	Me./Sp./Tr.	Me./Sp./Tr.



CONSTRUCTION KEYED NOTES:

- CONSTRUCTION IS NOT THE SAME AS E. ROADWAY SEE TYPICAL SECTIONS FOR OFFSET DISTANCES.
- PROFILE GRADES SHOWN ARE AT THE LIP OF GUTTER ON THE EAST AND WEST CURB LIPS.
- SEE SHEETS 41-46 FOR PROPOSED UTILITIES, (STORM, WATER, ELECTRICAL, STREET LIGHTING, ETC.).
- SEE SHEET 4 FOR SURVEY CONTROL POINT INFORMATION.

CONSTRUCTION KEYED NOTES:

- STA 21+50 LT TO STA 23+75 LT, CONSTRUCT CONCRETE STANDARD CURB AND GUTTER. SEE COA STANDARD DRAWING 2415 FOR DETAILS.
- CONSTRUCT STANDARD CURB RAMP PER COA STANDARD DWG 2440.
- ADJUST VALVE BOX TO FINISHED GRADE. SEE COA STD DWG 2460.
- ADJUST EXISTING MANHOLE RIM TO FINISHED GRADE. SEE STD DWG 2460.
- CONSTRUCT 4" PCC MEDIAN PAVEMENT. SEE SHEETS 5 & 6 AND COA STANDARD DRAWING 2501 FOR DETAILS.
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- BACK OF SIDEWALK
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- REMOVE AND DISPOSE OF EXISTING AREA STORM INLET.
- STA 9+50.39, 37.92' LT. CONSTRUCT NEW "TYPE A" STORM INLET AND TIE TO EXISTING 24" STORM DRAIN LINE. PER COA STD. DWG 2201 AND COLLAR DETAIL SHEET 39. GRATE EL = 5304.52; INV EL = 5300.19

SCALES:
HORIZ. 1" = 50'
VERT. 1" = 5'

CURVE DATA

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C15	89°52'57"	30.00	47.05	28.93
C16	180°00'00"	1.50	4.71	INFINITE
C17	90°23'35"	30.00	47.31	30.20
C18	90°09'33"	30.00	47.19	30.07
C19	180°00'00"	1.50	4.71	INFINITE
C20	89°47'11"	30.00	47.00	29.88
C21	181°5'37"	150.00	42.57	21.43
C22	181°5'37"	150.00	42.57	21.43
C23	181°5'37"	150.00	42.57	21.43
C24	181°5'37"	150.00	42.57	21.43
C25	89°33'27"	30.00	46.86	28.76
C26	180°00'00"	1.50	4.71	INFINITE
C27	90°07'51"	30.00	47.18	30.06
C28	90°12'36"	30.00	47.22	30.10
C29	180°00'00"	1.50	4.71	INFINITE
C30	89°47'55"	30.00	47.00	29.88
C31	181°5'37"	150.00	42.57	21.43
C32	181°5'37"	150.00	42.57	21.43
C33	181°5'37"	150.00	42.57	21.43

NOTICE OF EXTENDED PAYMENT PROVISION

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HDR

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MAIN: (505) 830-5400
FAX: (505) 830-5454

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

**TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE**

CONSTRUCTION PLAN AND PROFILE

Design Review Committee: **APPROVE** MAY 17 2006
City Engineer Approval: **APPROVE** MAY 17 2006

City Project No. 7432-91
Zone Map No. C18-19
Sheet 14 of 49

DESIGNED BY: PJH
DRAWN BY: EJM
CHECKED BY: EJM

REVISIONS
NO. DATE BY

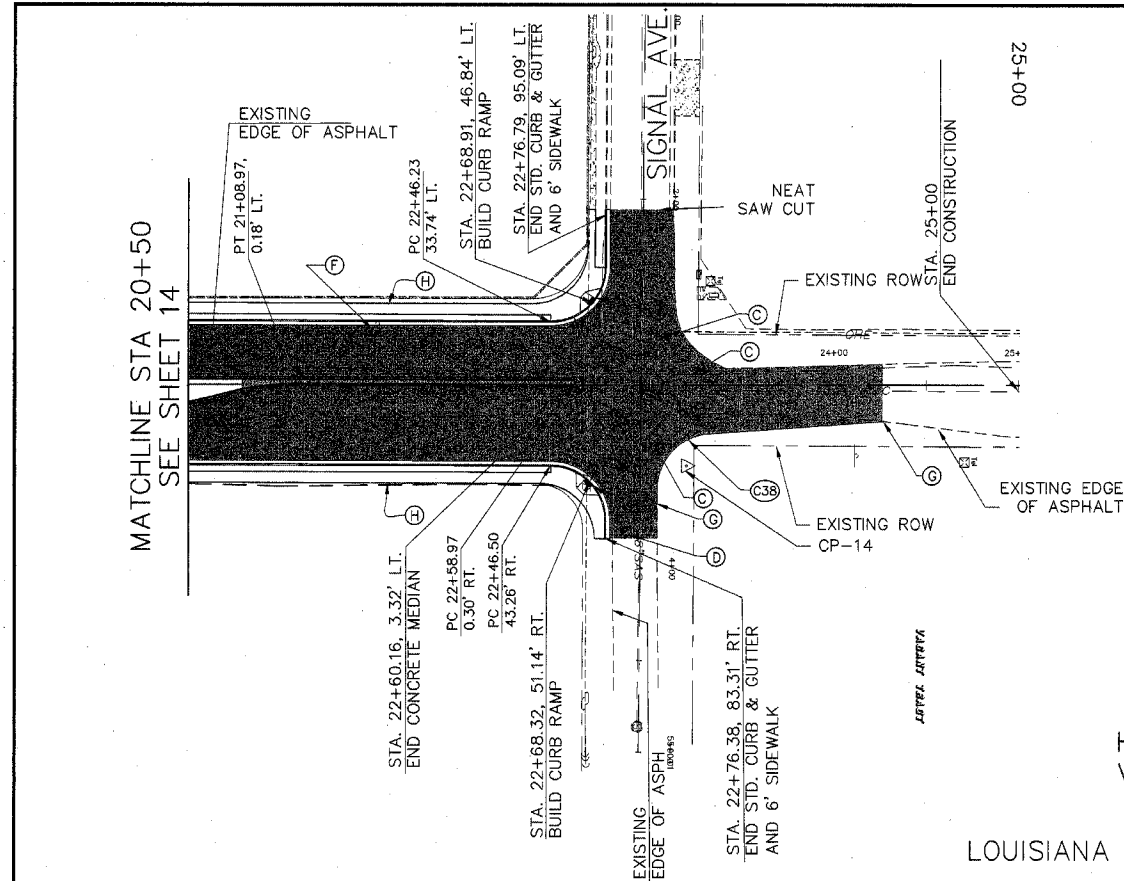
ENGINEER'S SEAL
PELLO L. BRAKENHOFF
REGISTERED PROFESSIONAL ENGINEER
14225

AS BUILT INFORMATION
CONTRACTOR: DATE: WORK: DATE: INSPECTOR: DATE: FIELD ADJUSTMENT BY: DATE: DRAWING BY: DATE: MICRO-FILM INFORMATION: RECORDED BY: DATE:

SURVEY INFORMATION
FIELD NOTES
NO. DATE BY

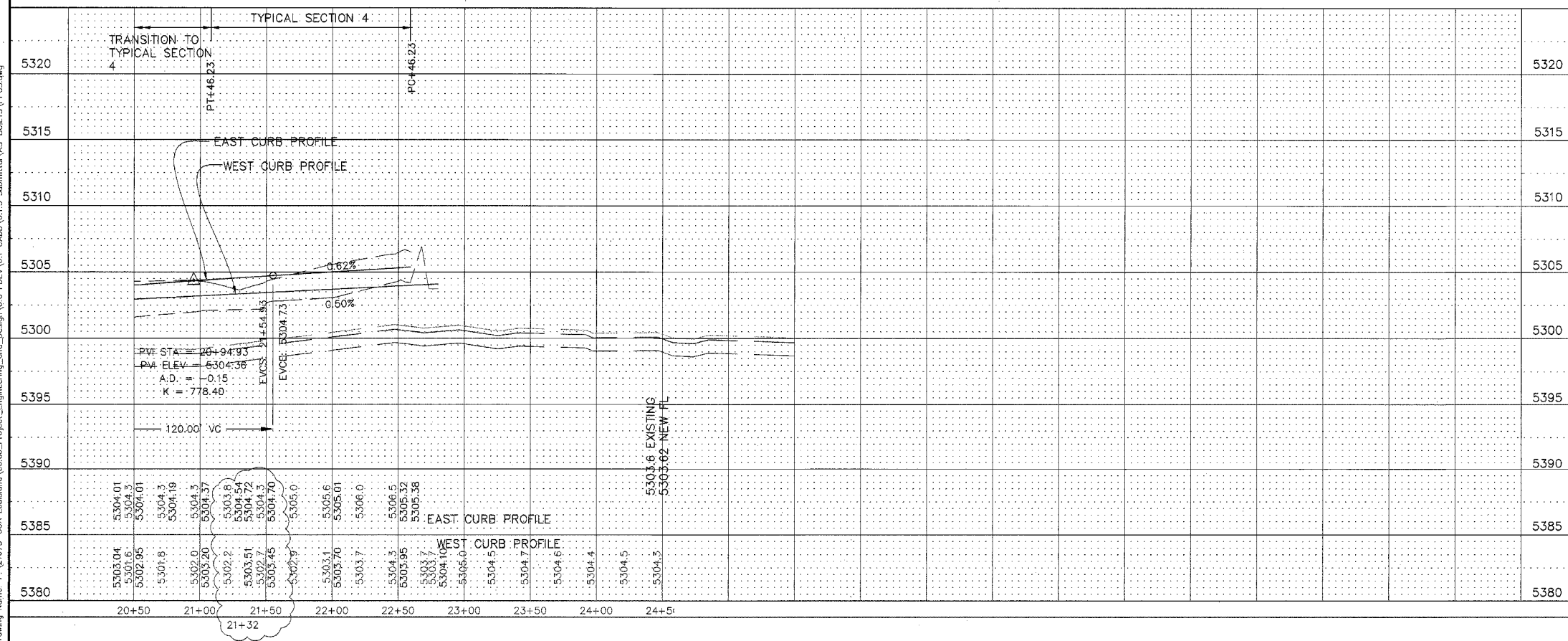
BENCH MARKS
THE STA. MARK IS A STANDARD USCOBS BRASS TABLET STAMPED "HEAVEN 1068". TO REACH THE STA. GO NORTH ON WYOMING TO PASEO DEL NORTE WEST ON PASEO DEL NORTE 0.15 MI TO STA ON THE LEFT. X=407,061.31, Y=5,518,737.03 EL=5378.79, GRN TO GRID FACTOR .99965263 (3RD ORDER). NAD 1927

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SCALES:
HORIZ. 1" = 50'
VERT. 1" = 5'

LOUISIANA BLVD.



CONSTRUCTION KEYED NOTES:

- CONSTRUCTION IS NOT THE SAME AS ROADWAY SEE TYPICAL SECTIONS FOR OFFSET DISTANCES.
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CONSTRUCTION KEYED NOTES:

- STA 21+50 LT TO STA. 23+75 LT. CONSTRUCT CONCRETE STANDARD CURB AND GUTTER. SEE COA STANDARD DRAWING 2415 FOR DETAILS.
- CONSTRUCT STANDARD CURB RAMP PER COA STANDARD DWG 2440.
- ADJUST VALVE BOX TO FINISHED GRADE. SEE COA STD DWG 2460.
- ADJUST EXISTING MANHOLE RIM TO FINISHED GRADE. SEE STD DWG 2460.
- CONSTRUCT 4" PCC MEDIAN PAVEMENT. SEE SHEETS 5 & 6 AND COA STANDARD DRAWING 2501 FOR DETAILS.
- POWER POLE TO BE RELOCATED SEE TRAFFIC CONTROL PLAN SHEETS 42 & 43.
- MATCH EXISTING ASPHALT
- BACK OF SIDEWALK
- COMMUNICATION RISER TO BE MOVED BY OTHERS.
- STA 6+61.49, 38.88' LT. CONSTRUCT NEW "TYPE A" STORM INLET AND TIE TO EXISTING 24" STORM DRAIN LINE. PER COA STD. DWG 2201 AND COLLAR DETAIL SHEET 39. GRATE EL = 5305.65; INV EL = 5301.52
- REMOVE AND DISPOSE OF EXISTING AREA STORM INLET.
- STA 9+50.39, 37.92' LT. CONSTRUCT NEW "TYPE A" STORM INLET AND TIE TO EXISTING 24" STORM DRAIN LINE. PER COA STD. DWG 2201 AND COLLAR DETAIL SHEET 39. GRATE EL = 5304.52; INV EL = 5300.19

C12 CURVE DATA

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C34	16°15'37"	150.00	42.57	21.43
C35	90°07'24"	30.00	47.17	30.05
C36	180°00'00"	1.50	4.71	INFINITE
C37	89°57'25"	30.00	47.09	29.97
C38	85°55'28"	30.00	44.99	27.93

CURVE DATA SHOWN FOR FACE
UNLESS OTHERWISE NOTED.

AS-BUILT

NOTICE OF EXTENDED PAYMENT PROMOTION

THIS CONTRACT ALLOWS THE OWNER TO
MAKE PAYMENT WITHIN 45 DAYS AFTER
SUBMISSION OF AN UNDISPUTED REQUEST
FOR PAYMENT.

HDR

2155 LOUISIANA BLVD., NE
SUITE 9000
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5404



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: **LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE
CONSTRUCTION PLAN AND PROFILE**

Design Review Committee City Engineer Approval

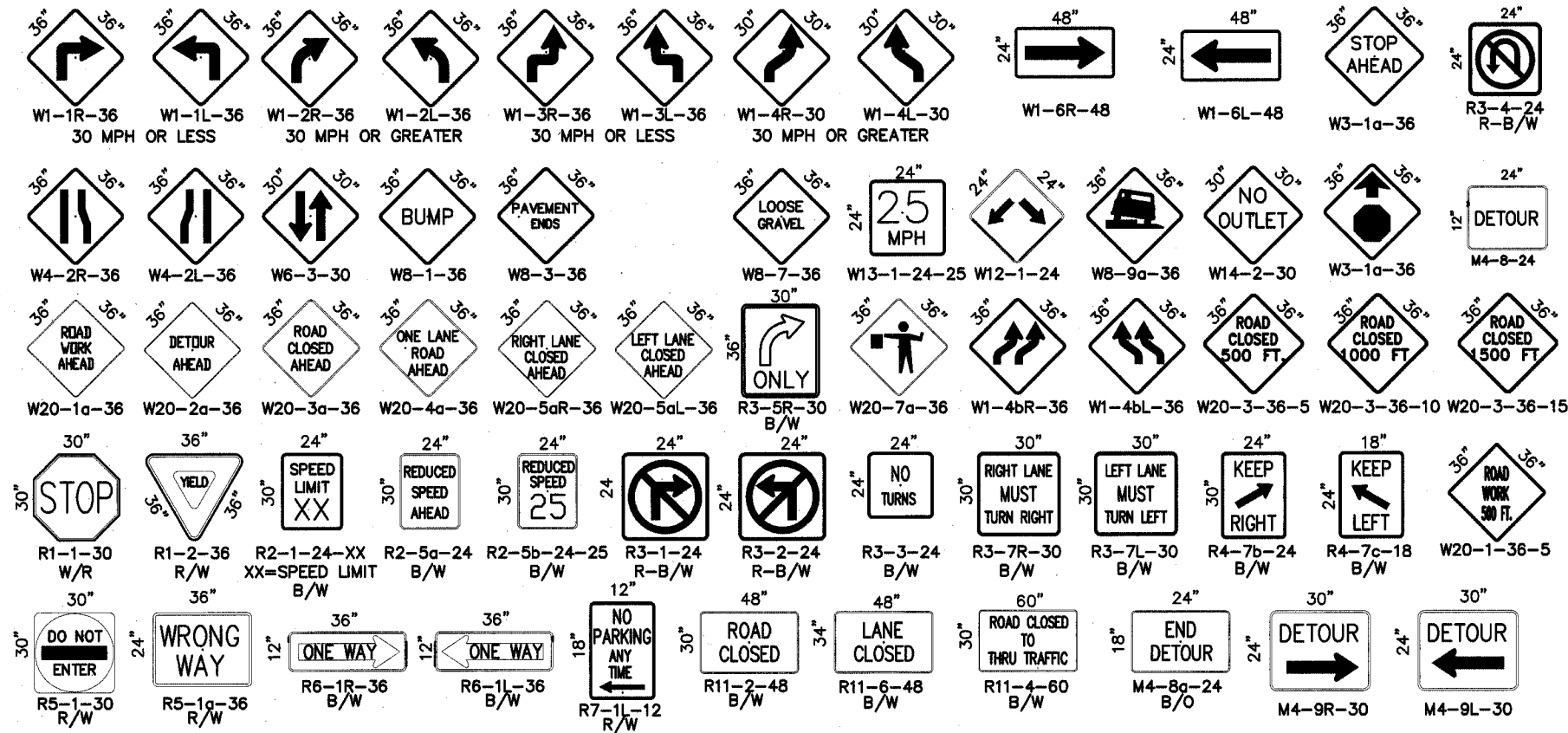
City Project No. 7432-91

Zone Map No. C18-19

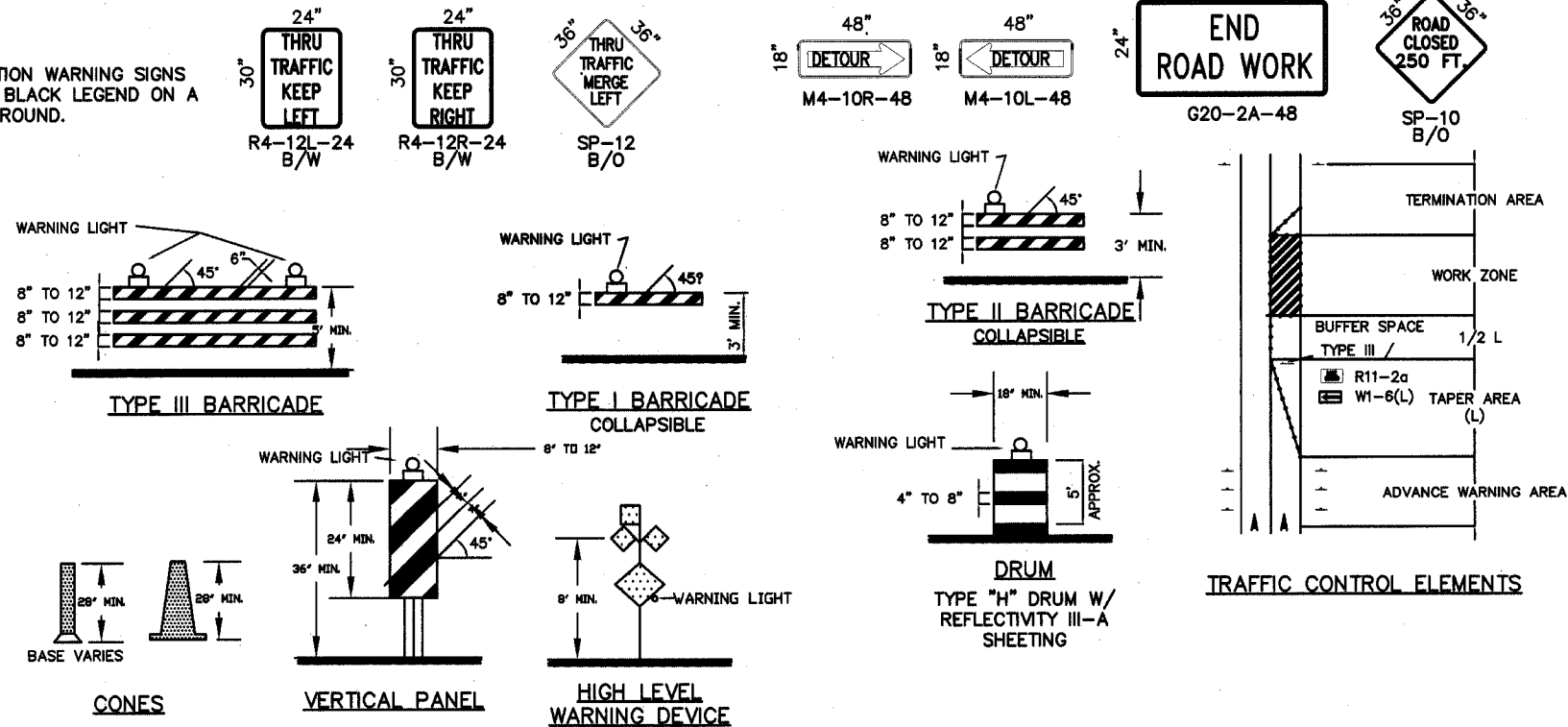
Sheet 15 of 49

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	THE STA. MARK IS A STANDARD USGS BRASS TABLE	DATE	NO.	BY	REMARKS	BY
MONUMENT SURVEY	DATE	STAMPED "HEAVEN 1968" TO REACH THE STA. GO NORTH ON	DATE	DATE	DATE		
ACCEPTANCE	DATE	WYOMING TO PASO DEL NORTE WEST ON PASO DEL NORTE	DATE				
FIELD RECORD	DATE	0.15 MI TO STA ON THE LEFT. X=407.051,31, Y=1,518,737.03	DATE				
DRAWINGS	DATE	EL=5378.79, GRN TO GRID FACTOR .9995263 (3RD ORDER).	DATE				
CORRECTED BY	DATE		DATE				
MICRO-FILM INFORMATION	DATE		DATE				
RECORDED BY	DATE		DATE				
NO.							

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.



NOTICE OF EXTENDED PAYMENT PROVISION
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

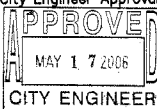
HDR 2155 LOUISIANA BLVD., NE SUITE 9000 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454		DESIGNER: JLS DRAWN BY: JLS CHECKED BY: PJB DATE: 12/29/05 DATE: 12/29/05 DATE: 12/29/05	
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS CARMEL AVE. TO SIGNAL AVE TRAFFIC CONTROL PLAN - SIGN FACE DETAILS			
Design Review Committee APPROVED MAY 17 2006 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED MAY 17 2006 CITY ENGINEER	No. 1527/11 No. 1527/11	No. 1527/11 No. 1527/11
City Project No. 7432-91	Zone Map No. C18-19	Sheet 16	Of 49

P:\21675~COA Louisiana\6.0 PDEV\6.1 CADD\6.1.5 Submittal\FINAL\TCP Standard Notes.dwg
Dec 30, 2005 - 10:04am

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID NOT AS PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTER AND MALLS SHALL BE LISTED AS SUCH.
18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
19. 24 HOURS PRIOR TO OCCUPYING OR CLOSING A RIGHT -OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.
21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
 - 1) STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - 2) THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 - 3) SECTION 19, 1200 AND 2800 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW/CLEAN CONDITION, WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE TEMPORARY TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.
26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE MUTCD.
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI FREE WORK SITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.

NOTICE OF EXTENDED PAYMENT PROMISION

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

HDR		2155 LOUISIANA BLVD., NE SUITE B500 ALBUQUERQUE, NM 87110 PHONE: (505) 630-5400 FAX: (505) 830-5454		NO.	DATE	DESIGNED BY:	DRAWN BY:	CHECKED BY:	
		CITY OF ALBUQUERQUE							
MUNICIPAL DEVELOPMENT DEPARTMENT									
TRANSPORTATION DEVELOPMENT DIVISION									
TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS									
CARMEL AVE. TO SIGNAL AVE									
TRAFFIC CONTROL PLAN - STANDARD NOTES									
Design Review Committee		City Engineer Approval		Last Design Update		Ms./Bsp./Tr.		Ms./Bsp./Tr.	
									
City Project No.		Zone Map No.		Sheet		Of			
7432-91		C18-19		17		49			

SUGGESTED SEQUENCE OF CONSTRUCTION

PHASE A:

1. CONSTRUCT TEMPORARY PAVEMENT FROM STA. 10+36.88 TO STA. 12+16.04.
2. SHIFT TRAFFIC TO THE TEMPORARY SHO-O-FLY AT CORONA AVE.
3. CONSTRUCT CONNECTION OF NEW 30" RCP STORM DRAIN TO THE EXISTING STUB-OUT PER THE CONSTRUCTION PLAN.

NOTE:

REALIGNMENT OF PNM GAS 24" TRANSMISSION LINE AT THE INTERSECTION OF CORONA AVE AND LOUISIANA MAY OCCUR DURING THIS PHASE. CONTRACTOR SHALL COORDINATE WITH PNM GAS PRIOR TO INITIATING ANY ACTIVITIES.

PHASE 1:

THE PROCESS TO RELOCATE THE PNM POWER POLES HAS ALREADY BEGUN. CONTRACTOR SHALL COORDINATE WITH PNM DURING PHASE 1 TO ENSURE THE RELOCATION IS COMPLETE.

1. CONSTRUCT TEMPORARY PAVEMENT FOR USE IN PHASE 2.

PHASE 2:

1. SHIFT TRAFFIC ON LOUISIANA BOULEVARD TO THE TEMPORARY PAVEMENT CONSTRUCTED IN PHASE 1.
2. INSTALL 16" PVC WATERLINE, FIRE HYDRANTS AND VALVES PER THE CONSTRUCTION PLANS.
3. INSTALL NEW 30", 24" AND 18" RCP STORM DRAIN PER THE CONSTRUCTION PLANS.
4. CONSTRUCT THE SOUTHBOUND LANES, CURB & GUTTER, SIDEWALK AND MEDIAN PER THE CONSTRUCTION PLANS.
5. INSTALL PERMANENT SIGNING AND STRIPING.

PHASE 3:

1. CONSTRUCT TEMPORARY PAVEMENT AT THE NORTHWEST CORNER OF THE LOUISIANA/SIGNAL INTERSECTION. UTILIZE A RIGHT LANE CLOSURE. SEE CITY OF ALBUQUERQUE TYPICAL TRAFFIC CONTROL, DRAWING 2806.
2. SHIFT NORTHBOUND LOUISIANA TRAFFIC TO THE NEW INSIDE SOUTHBOUND LANE CONSTRUCTED IN PHASE 2. SHIFT SOUTHBOUND TRAFFIC TO THE NEW OUTSIDE SOUTHBOUND LANE.
3. REMOVE TEMPORARY PAVEMENT CONSTRUCTED IN PHASE 1.
4. CONSTRUCT THE NEW NORTHBOUND LANES, CURB & GUTTER, SIDEWALK AND MEDIAN PER THE CONSTRUCTION PLANS.
5. INSTALL NEW 24" AND 18" RCP STORM DRAIN PER THE CONSTRUCTION PLANS.
6. INSTALL NEW SIGNING AND STRIPING PER THE CONSTRUCTION PLANS.

NOTICE OF EXTENDED PAYMENT PROVISION
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

HDR
2155 LOUISIANA BLVD., NE
SUITE 9000
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

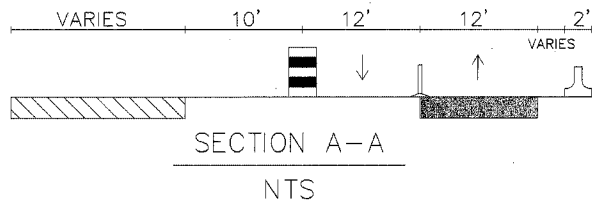
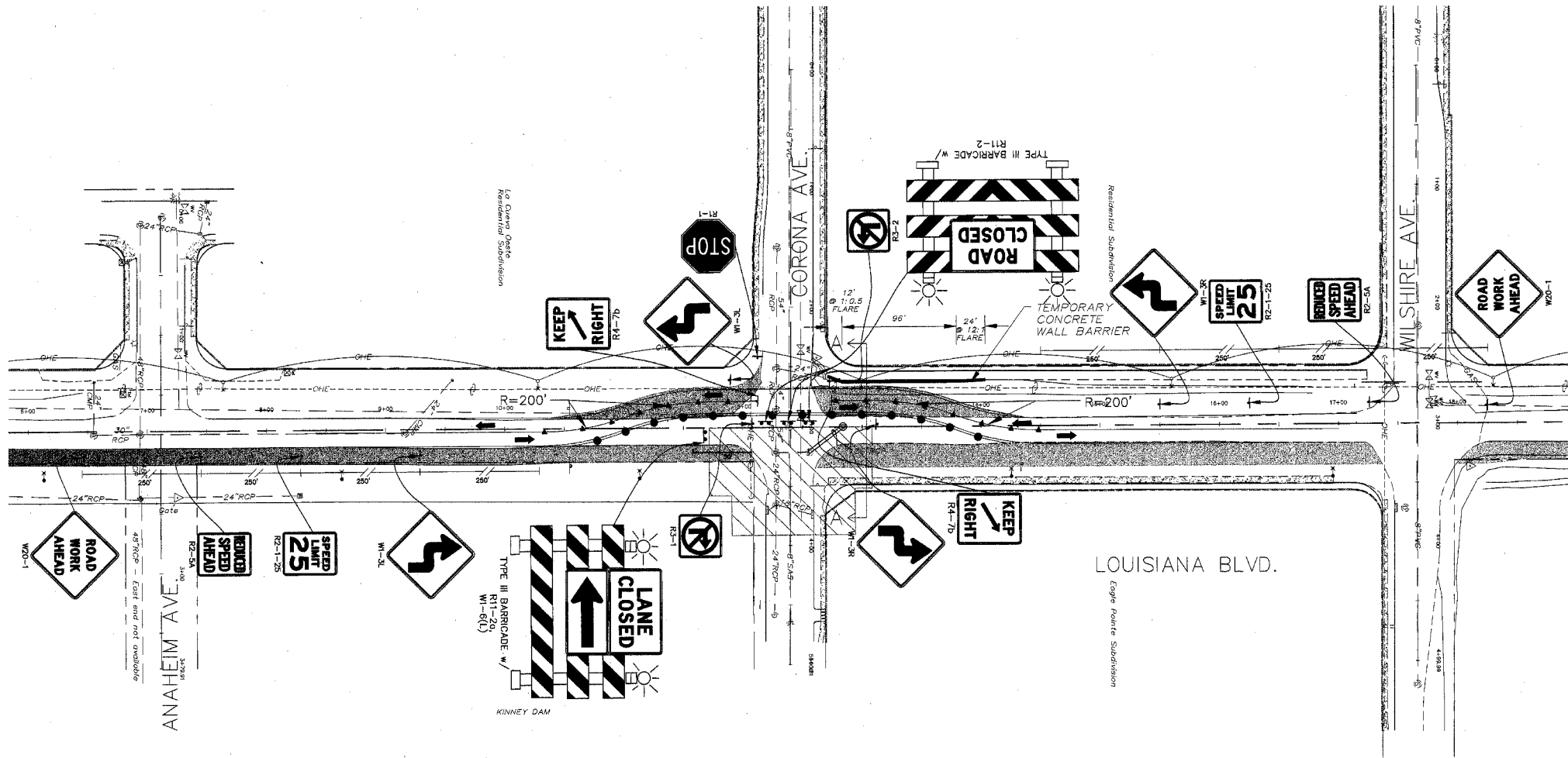
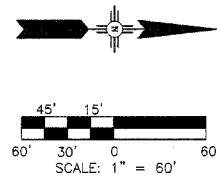
TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE
TRAFFIC CONTROL PLAN - SUGGESTED SEQUENCE OF CONSTRUCTION

Design Review Committee
APPROVED
MAY 17 2006
DESIGN REVIEW COMMITTEE

City Engineer Approval
APPROVED
MAY 17 2006
CITY ENGINEER

Ms./Csg./Yr.
Ms./Csg./Yr.
Last Design Update

City Project No. 7432-91 Zone Map No. C18-19 Sheet 18 Of 49



LEGEND

- ▲ TRAFFIC CONTROL DEVICE - TUBULAR MARKER
- TRAFFIC CONTROL DEVICE - DRUM
- TRAFFIC CONTROL SIGN
- TYPE III BARRICADE
- DIRECTIONAL ARROW
- ▨ WORK ZONE
- ▨ TEMPORARY PAVEMENT

PHASE A:

1. CONSTRUCT TEMPORARY PAVEMENT FROM STA. 10+36.88 TO STA. 12+16.04.
2. SHIFT TRAFFIC TO THE TEMPORARY SHOULDER AT CORONA AVE.
3. CONSTRUCT CONNECTION OF NEW 30" RCP STORM DRAIN TO THE EXISTING STUB-OUT PER THE CONSTRUCTION PLAN.

NOTE:
REALIGNMENT OF PNM GAS 24" TRANSMISSION LINE AT THE INTERSECTION OF CORONA AVE AND LOUISIANA MAY OCCUR DURING THIS PHASE. CONTRACTOR SHALL COORDINATE WITH PNM GAS PRIOR TO INITIATING ANY ACTIVITIES.

NOTE:
FOR ADVANCED WARNING SIGNS FOR ALAMEDA AND SIDESTREETS, SEE SHEET 26.

NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

HDR

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: **LOUISIANA BLVD. ROADWAY IMPROVEMENTS**
CARMEL AVE. TO SIGNAL AVE
TRAFFIC CONTROL PLAN - PHASE A, SHEET 1

Design Review Committee
APPROVE
MAY 17 2006
DESIGN REVIEW COMMITTEE

City Engineer Approval
APPROVE
MAY 17 2006
CITY ENGINEER

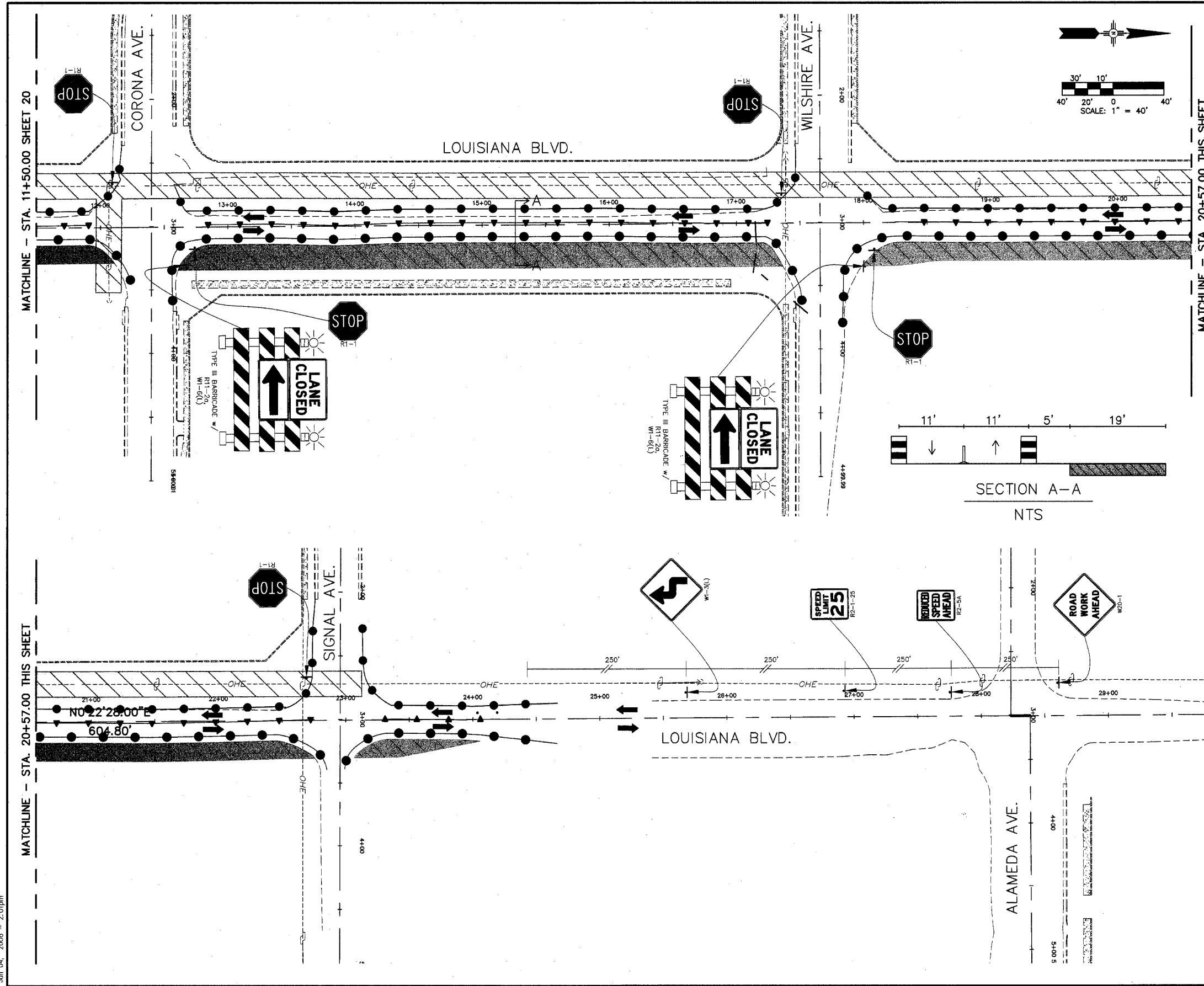
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Mc/500/yr
Last Design Update

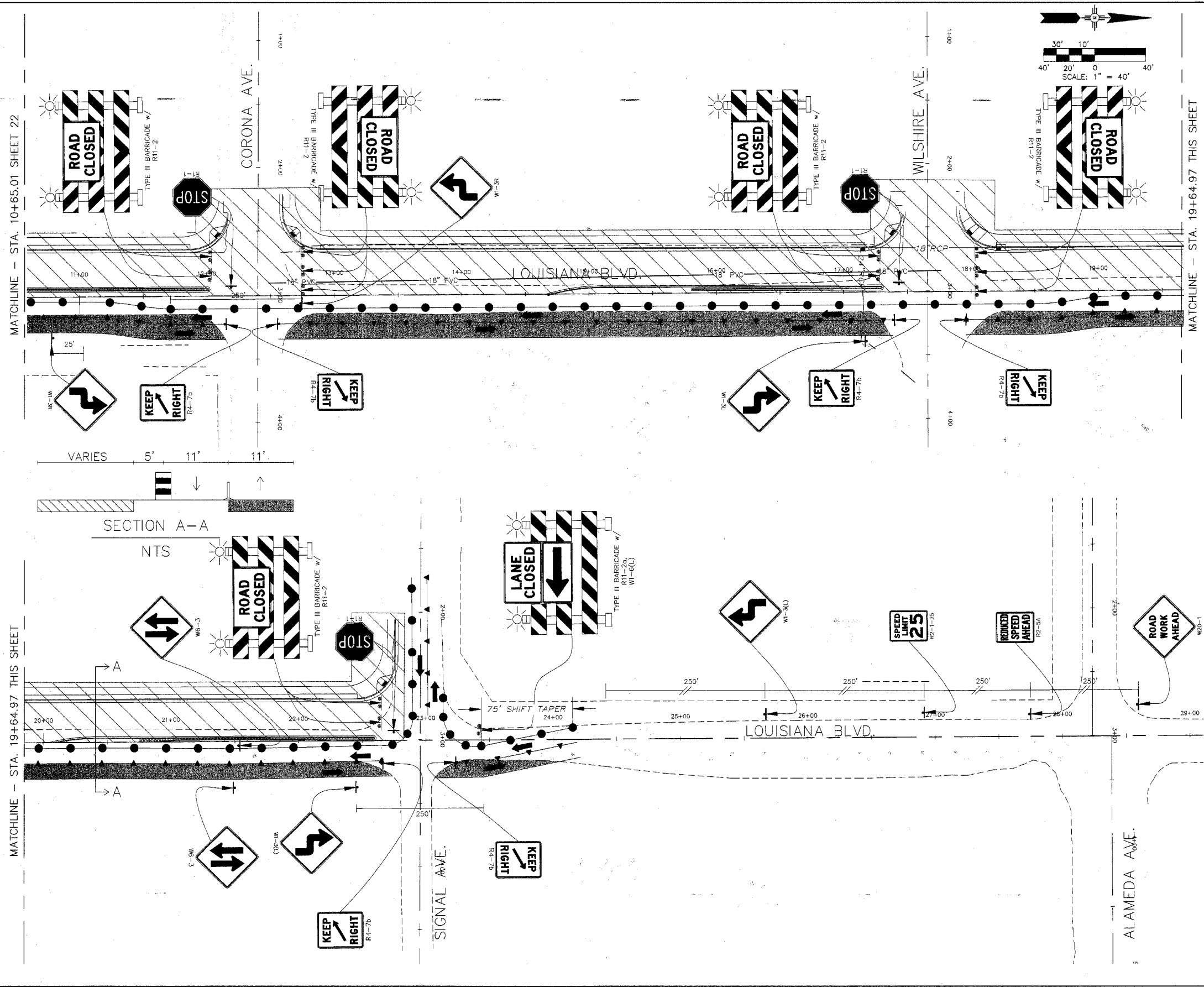
City Project No. 7432-91 Zone Map No. C18-19 Sheet 19 of 49

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	Monte State Date 12/06	STAMPED BY	Accurate Survey Date 8/06	STAMPED BY	COA Const. Date 12/06	DATE	BY	NO.			
INSPECTOR'S	COA Const. Date 12/06	FIELD	COA Const. Date 12/06	FIELD	COA Const. Date 12/06	DATE	BY	NO.			
RECORDED BY	HDR Inc.	DATE	EL-5378.79, GRN TO GRID FACTOR 99965263 (3RD ORDER)	EL-5378.79, GRN TO GRID FACTOR 99965263 (3RD ORDER)	EL-5378.79, GRN TO GRID FACTOR 99965263 (3RD ORDER)	DATE	BY	NO.	DESIGNED BY: JLS DRAWN BY: JLS CHECKED BY: REL		
RECORDED BY	HDR Inc.	DATE	EL-5378.79, GRN TO GRID FACTOR 99965263 (3RD ORDER)	EL-5378.79, GRN TO GRID FACTOR 99965263 (3RD ORDER)	EL-5378.79, GRN TO GRID FACTOR 99965263 (3RD ORDER)	DATE	BY	NO.			
RECORDED BY	HDR Inc.	DATE	EL-5378.79, GRN TO GRID FACTOR 99965263 (3RD ORDER)	EL-5378.79, GRN TO GRID FACTOR 99965263 (3RD ORDER)	EL-5378.79, GRN TO GRID FACTOR 99965263 (3RD ORDER)	DATE	BY	NO.	DATE: 12/29/05 DATE: 12/29/05 DATE: 12/29/05		
RECORDED BY	HDR Inc.	DATE	EL-5378.79, GRN TO GRID FACTOR 99965263 (3RD ORDER)	EL-5378.79, GRN TO GRID FACTOR 99965263 (3RD ORDER)	EL-5378.79, GRN TO GRID FACTOR 99965263 (3RD ORDER)	DATE	BY	NO.			

Sheet 20 Of 49

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Jan 04, 2006 - 2:01pm





LEGEND

- ▲ TRAFFIC CONTROL DEVICE - TUBULAR MARKER
- TRAFFIC CONTROL DEVICE - DRUM
- TRAFFIC CONTROL SIGN
- DIRECTIONAL ARROW
- ▨ WORK ZONE
- ▩ TEMPORARY PAVEMENT

PHASE 2:

- SHIFT TRAFFIC ON LOUISIANA BOULEVARD TO THE TEMPORARY PAVEMENT CONSTRUCTED IN PHASE 1.
- INSTALL 16" PVC WATERLINE, FIRE HYDRANTS AND VALVES PER THE CONSTRUCTION PLANS.
- INSTALL NEW 30", 24" AND 18" RCP STORM DRAIN PER THE CONSTRUCTION PLANS.
- CONSTRUCT THE SOUTHBOUND LANES, CURB & GUTTER, SIDEWALK AND MEDIAN PER THE CONSTRUCTION PLANS.
- INSTALL PERMANENT SIGNING AND STRIPING.

NOTE:
FOR ADVANCED WARNING SIGNS FOR ALAMEDA AND SIDESTREETS, SEE SHEET 26.

SEE SHEETS 27-30 FOR TRAFFIC CONTROL DETOURS DURING INTERSECTION CONSTRUCTION.

NOTICE OF EXTENDED PAYMENT PROVISION
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

HDR
2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
PHONE: (505) 830-5425
FAX: (505) 830-5454

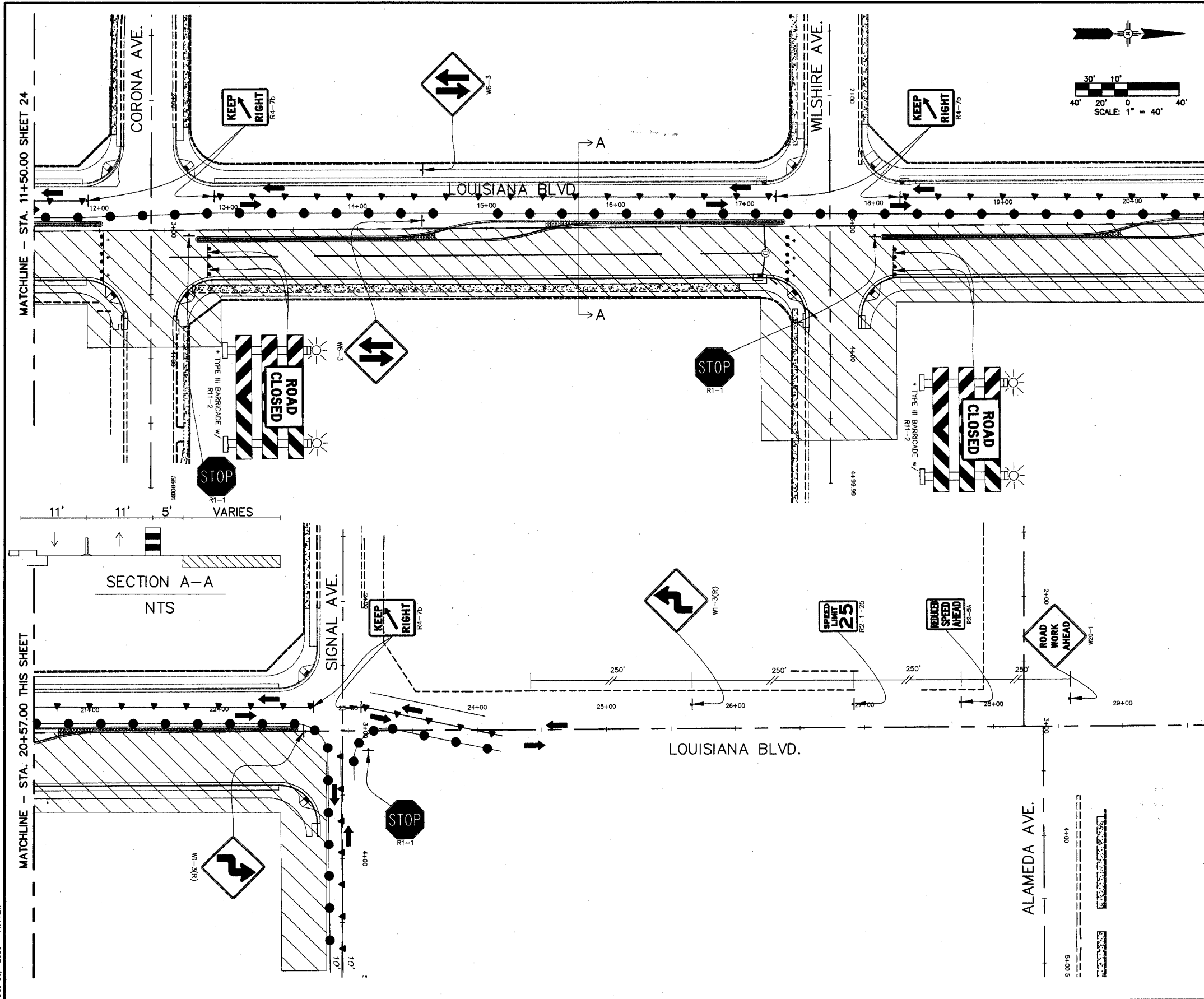
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION
TITLE: **LOUISIANA BLVD. ROADWAY IMPROVEMENTS**
CARMEL AVE. TO SIGNAL AVE
TRAFFIC CONTROL PLAN - PHASE 2, SHEET 2

Design Review Committee: **APPROVED** MAY 1 7 2006
City Engineer Approval: **APPROVED** MAY 1 7 2006
Last Design Update: _____

City Project No. 7432-91 Zone Map No. C18-19 Sheet 23 of 49

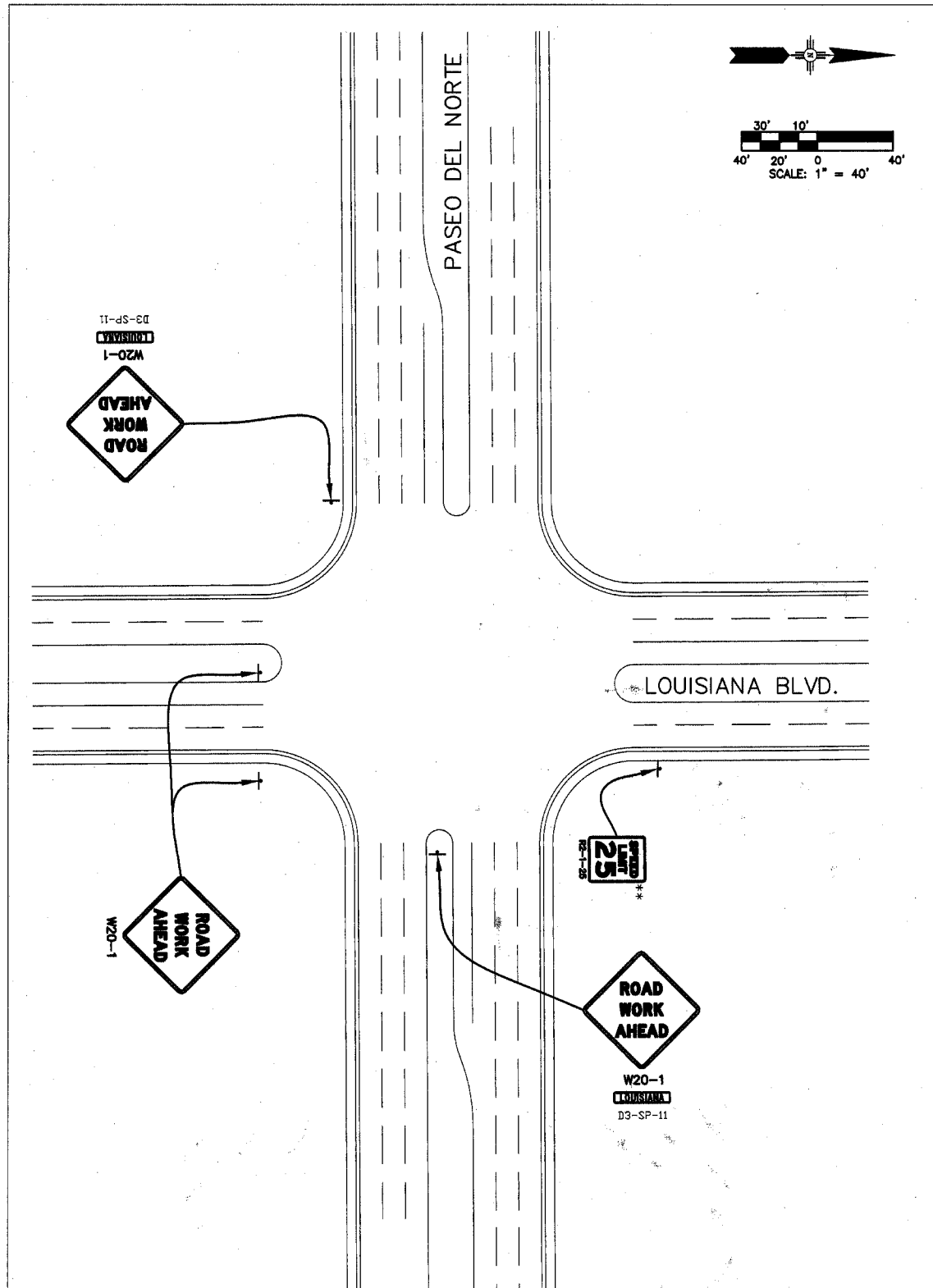
SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	DATE	CONTRACTOR	CONTRACTOR	CONTRACTOR
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			BY	BY	BY
			REMARKS	REMARKS	REMARKS
			REVISIONS	REVISIONS	REVISIONS
			NO.	NO.	NO.
			DATE	DATE	DATE
			DESIGNED BY: REL	DESIGNED BY: REL	DESIGNED BY: REL
			DRAWN BY: JLS	DRAWN BY: JLS	DRAWN BY: JLS
			CHECKED BY: PUB	CHECKED BY: PUB	CHECKED BY: PUB

Zone Map No.	Sheet	Of
C18-19	24	49

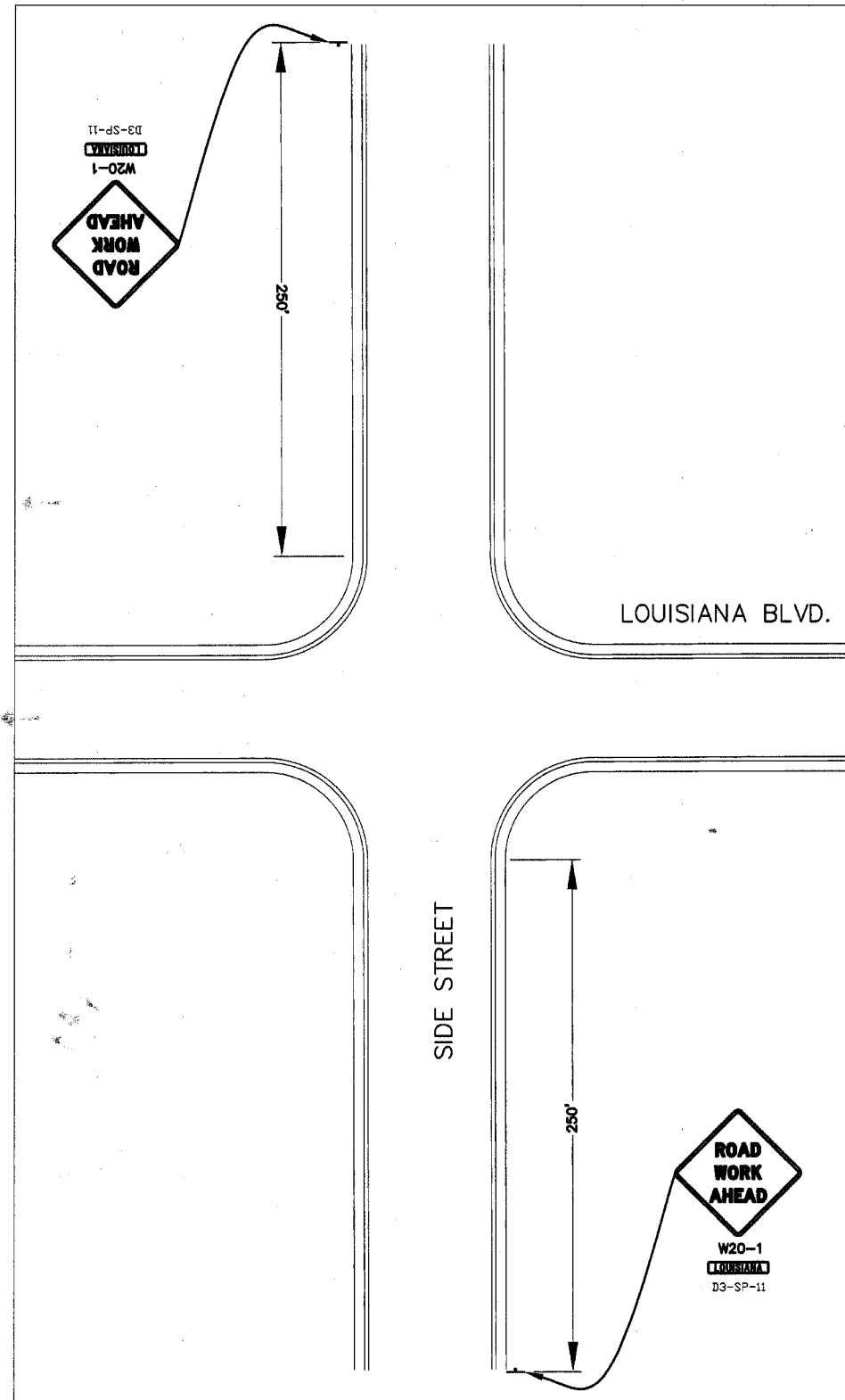


LEGEND		PHASE 3:	
▲	TRAFFIC CONTROL DEVICE - TUBULAR MARKER	1.	CONSTRUCT TEMPORARY PAVEMENT AT THE NORTHWEST CORNER OF THE LOUISIANA/SIGNAL INTERSECTION. UTILIZE A RIGHT LANE CLOSURE. SEE CITY OF ALBUQUERQUE TYPICAL TRAFFIC CONTROL, DRAWING 2806.
●	TRAFFIC CONTROL DEVICE - DRUM	2.	SHIFT NORTHBOUND LOUISIANA TRAFFIC TO THE NEW INSIDE SOUTHBOUND LANE CONSTRUCTED IN PHASE 2. SHIFT SOUTHBOUND TRAFFIC TO THE NEW OUTSIDE SOUTHBOUND LANE.
+	TRAFFIC CONTROL SIGN	3.	REMOVE TEMPORARY PAVEMENT CONSTRUCTED IN PHASE 1.
→	DIRECTIONAL ARROW	4.	CONSTRUCT THE NEW NORTHBOUND LANES, CURB & GUTTER, SIDEWALK AND MEDIAN PER THE CONSTRUCTION PLANS.
▨	WORK ZONE	5.	INSTALL A NEW 24" AND 18" RCP PER THE CONSTRUCTION PLANS.
■	TEMPORARY PAVEMENT	6.	INSTALL PERMANENT SIGNING AND STRIPING.
		NOTE: FOR ADVANCED WARNING SIGNS FOR ALAMEDA AND SIDESTREETS, SEE SHEET 26.	
		SEE SHEETS 31 AND 32 FOR TRAFFIC CONTROL DETOURS DURING INTERSECTION CONSTRUCTION.	
		NOTICE OF EXTENDED PAYMENT PROVISION THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.	
HDR 2155 LOUISIANA BLVD., NE SUITE 9000 ALBUQUERQUE, NM 87110 MARK: (505) 830-5400 FAX: (505) 830-5454		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS CARMEL AVE. TO SIGNAL AVE TRAFFIC CONTROL PLAN - PHASE 3, SHEET 2	
Design Review Committee APPROVED MAY 17 2006 DESIGN REVIEW COMMITTEE		City Engineer Approval APPROVED MAY 17 2006 CITY ENGINEER	
City Project No. 7432-91		Zone Map No. C18-19	
Sheet 25 of 49		DESIGNED BY: REL DRAWN BY: JLS CHECKED BY: PJB DATE: 12/29/05 DATE: 12/29/05	

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Dec 30, 2005 - 9:01am



ADVANCE WARNING SIGNS
FOR PHASES A, 1, 2, AND 3



ADVANCE WARNING SIGNS FOR SIDE STREETS
(ALAMEDA BLVD AND CARMEL, ANAHEIM, CORONA,
WILSHIRE AND SIGNAL AVENUES)

- LEGEND**
- ▲ TRAFFIC CONTROL DEVICE - TUBULAR MARKER
 - TRAFFIC CONTROL DEVICE - DRUM
 - TRAFFIC CONTROL SIGN
 - TYPE III BARRICADE
 - DIRECTIONAL ARROW
 - ▨ WORK ZONE
 - TEMPORARY PAVEMENT

** SIGN TO BE USED IN PHASES
2 AND 3 ONLY.

NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO
MAKE PAYMENT WITHIN 45 DAYS AFTER
SUBMISSION OF AN UNDISPUTED REQUEST
FOR PAYMENT.

HDR 2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
PHONE: (505) 830-5400
FAX: (505) 830-5454

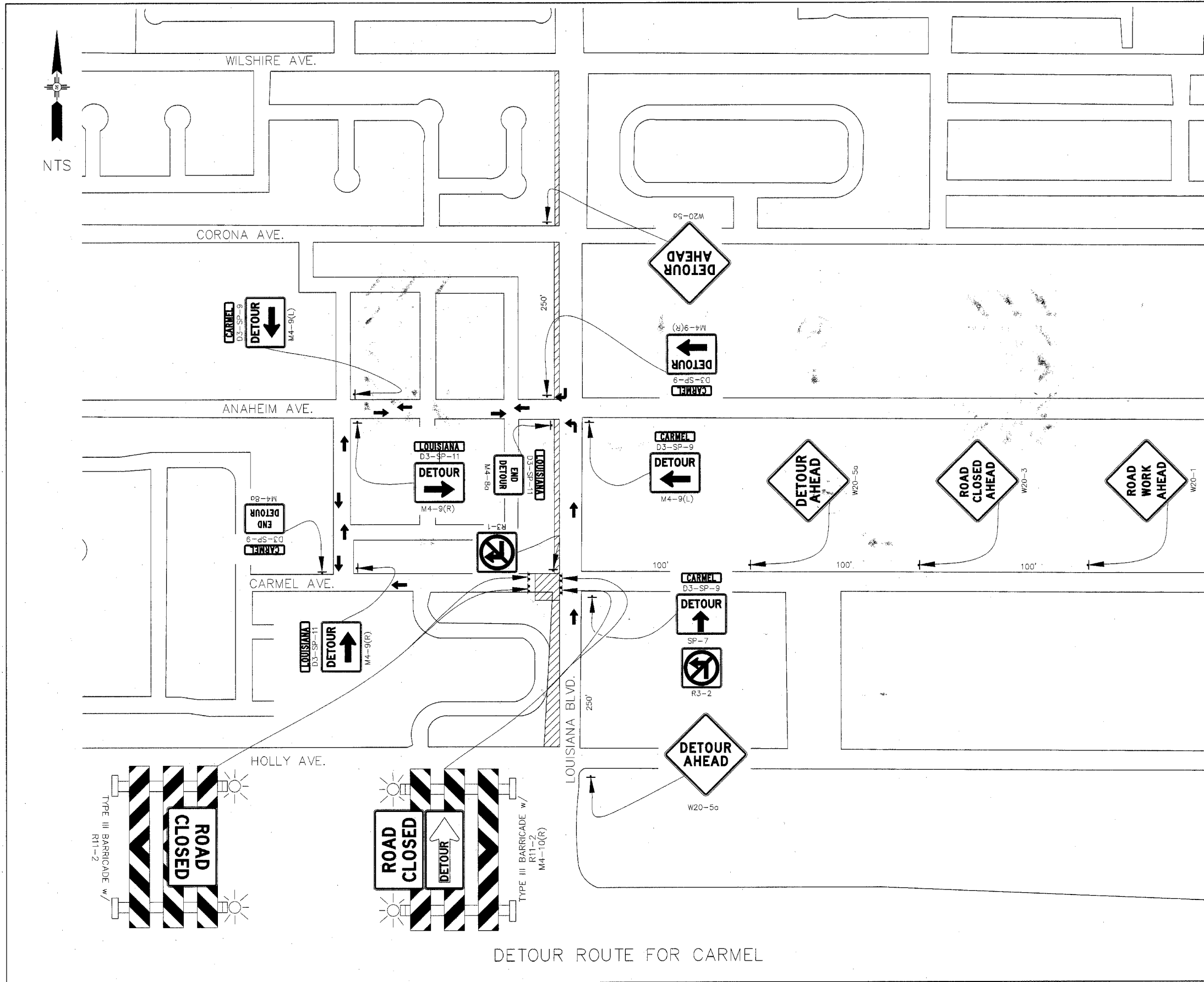
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION
TITLE: **LOUISIANA BLVD. ROADWAY IMPROVEMENTS**
CARMEL AVE. TO SIGNAL AVE
TRAFFIC CONTROL PLAN - ADVANCED WARNING SIGNS

Design Review Committee
APPROVED
MAY 17 2006
DESIGN REVIEW COMMITTEE

City Engineer Approval
APPROVED
MAY 17 2006
CITY ENGINEER

City Project No. 7432-91 Zone Map No. C18-19 Sheet 26 Of 49

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	THE STA. MARK IS A STANDARD US&CG BRASS TABLET STAMPED "HEAVEN 1889". TO REACH THE STA. GO NORTH ON WYOMING TO PASO DEL NORTE WEST ON PASO DEL NORTE 0.15 MI TO STA ON THE LEFT. X=407,051.31, Y=1,516,737.03, EL.=5378.79, GRN TO GRID FACTOR .99965583 (3RD ORDER). CORRECTED BY: HDR INC. NAD 1927	CONTRACTOR	MEASURED SURVEY DATE 12/06
				WORK	MEASURED SURVEY DATE 12/06
				ADJUSTED BY COA CONSULTING INC.	ADJUSTED BY COA CONSULTING INC. DATE 12/06
				DRAWINGS	DATE 12/06
				CORRECTED BY	DATE 12/06
				RECORDED BY	DATE 12/06
				NO.	DATE



LEGEND

- ▲ TRAFFIC CONTROL DEVICE - TUBULAR MARKER
- TRAFFIC CONTROL DEVICE - DRUM
- TRAFFIC CONTROL SIGN
- TYPE III BARRICADE
- DIRECTIONAL ARROW
- ▨ WORK ZONE
- ▩ TEMPORARY PAVEMENT

NOTE:

THIS DETOUR WILL BE UTILIZED WHILE THE INTERSECTION OF CARMEL/LOUISIANA IS BEING CONSTRUCTED DURING PHASE 2.

DISTANCES SHOWN ARE MEASURED AS THE DISTANCE BETWEEN TRAFFIC CONTROL SIGNS.

NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITH IN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

HDR

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
PHONE: (505) 830-5400
FAX: (505) 830-5454

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE.
TRAFFIC CONTROL PLAN - DETOUR ROUTE FOR CARMEL AVE.

Design Review Committee

APPROVED
MAY 17 2006
DESIGN REVIEW COMMITTEE

City Engineer Approval

APPROVED
MAY 17 2006
CITY ENGINEER

No.	DATE	REVISIONS	BY

DESIGNED BY: REL	DATE: 12/29/05
DRAWN BY: JLS	DATE: 12/29/05
CHECKED BY: PJB	DATE: 12/29/05

AS BUILT INFORMATION	
CONTRACTOR	DATE
Mountain State	12/29/05
WARRANT	DATE

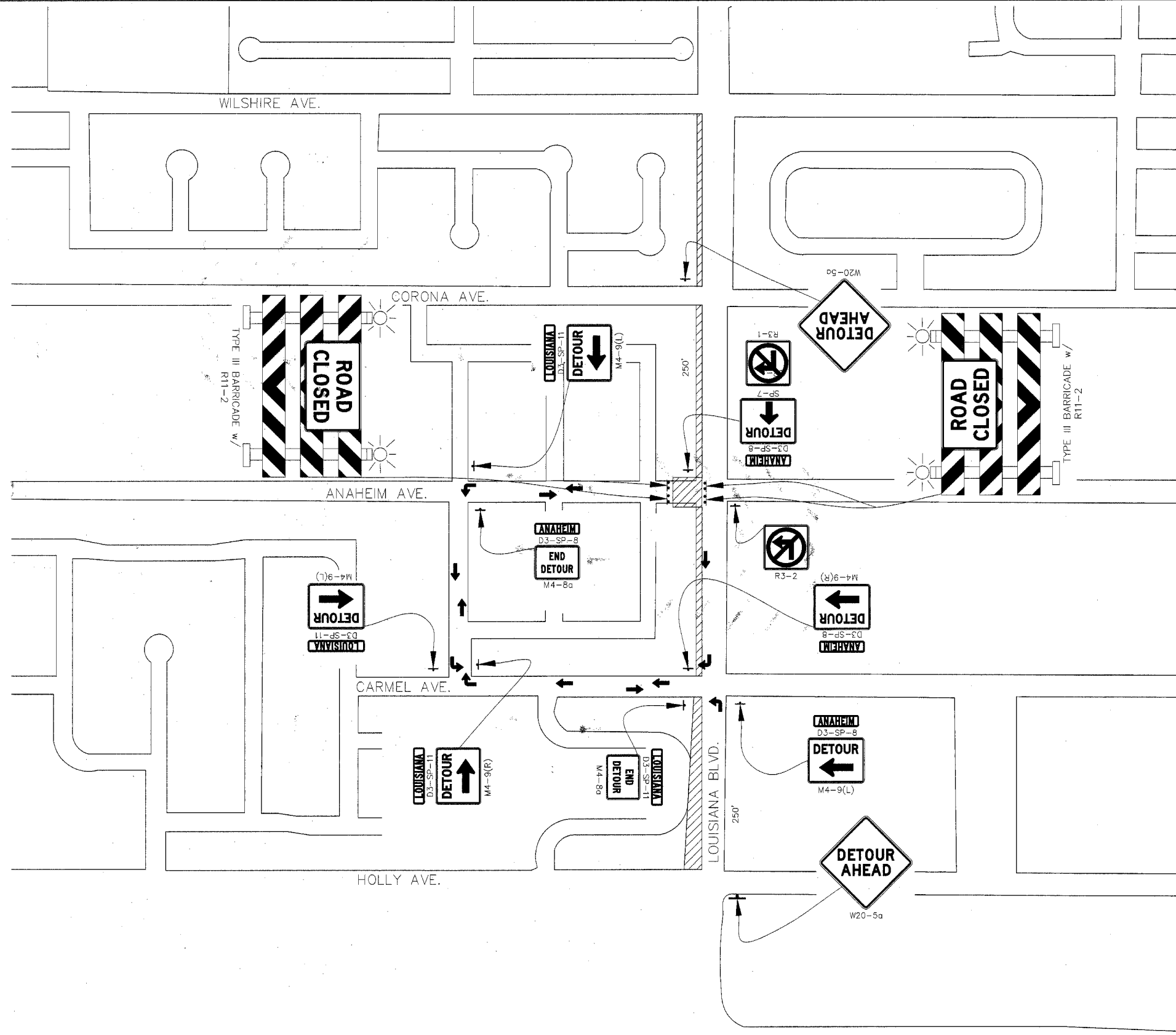
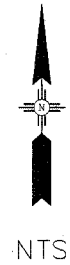
SURVEY INFORMATION	
FIELD NOTES	DATE
NO.	BY

ENGINEER'S SEAL	

MICRO-FILM INFORMATION	
RECORDED BY	DATE

City Project No. 7432-91 Zone Map No. C18-19 Sheet 27 Of 49

P:\21675-COA Louisiana\6.0 PREV\6.1 CAD\6.1.5 Submittal\FINAL\TOP08.dwg
Dec 30, 2005 - 9:50am



DETOUR ROUTE FOR ANAHEIM

- LEGEND**
- ▲ TRAFFIC CONTROL DEVICE - TUBULAR MARKER
 - TRAFFIC CONTROL DEVICE - DRUM
 - TRAFFIC CONTROL SIGN
 - TYPE III BARRICADE
 - ➔ DIRECTIONAL ARROW
 - ▨ WORK ZONE
 - TEMPORARY PAVEMENT

NOTE:

THIS DETOUR WILL BE UTILIZED WHILE THE INTERSECTION OF ANAHEIM/LOUISIANA IS BEING CONSTRUCTED DURING PHASE 2.

DISTANCES SHOWN ARE MEASURED AS THE DISTANCE BETWEEN TRAFFIC CONTROL SIGNS.

NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

HDR
2155 LOUISIANA BLVD., NE
SUITE 8500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454

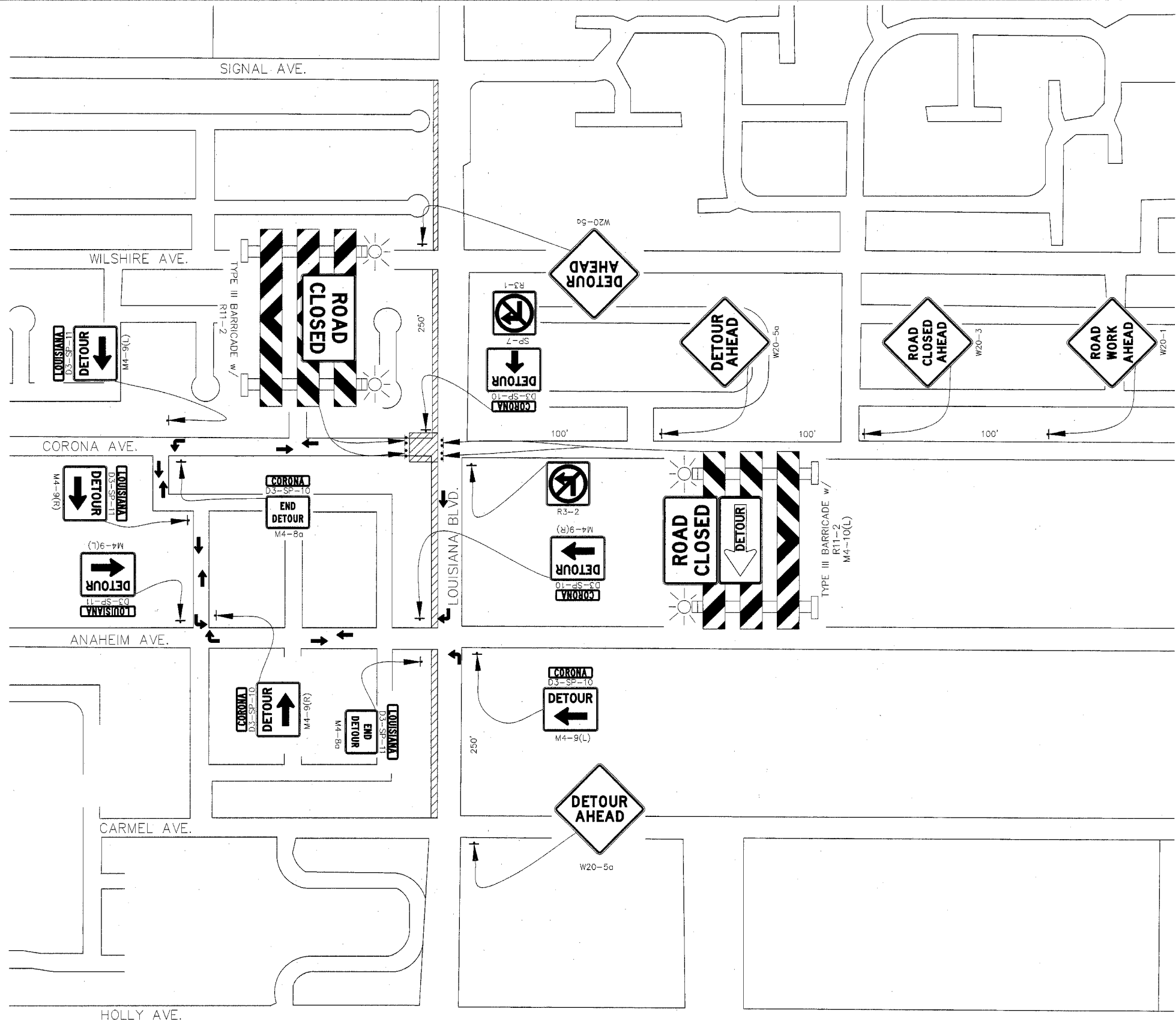
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION
**TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE.**
TRAFFIC CONTROL PLAN - DETOUR ROUTE FOR ANAHEIM AVE.

Design Review Committee
APPROVED
MAY 17 2006
DESIGN REVIEW COMMITTEE

City Engineer Approval
APPROVED
MAY 17 2006
CITY ENGINEER

City Project No. 7432-91 Zone Map No. C18-19 Sheet 28 Of 49

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL				REVISIONS			
CONTRACTOR	MOBILE STATES DATE 12/06	STARTED BY	ACCURATE SURVEY DATE 8/06	STAMPED	HEAVEN 1968"	TO REACH THE STA. 60 NORTH ON	WYOMING TO PASO DEL NORTE WEST ON PASO DEL NORTE	DATE	BY	NO.	DATE	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
INSPECTOR'S	COA Const. Div. DATE 12/06	FIELD	ADJUSTED BY	COA Const. Div. DATE 12/06	0.15 MI TO STA ON THE LEFT. X=407,051.31, Y=1,518,737.03	EL=5378.79, GRN TO GRID FACTOR 99965263 (3RD ORDER).	NAD 1927												
CORRECTED BY				MICRO-FILM INFORMATION				DESIGNED BY: REL				DATE: 12/29/05				DRAWN BY: JLS			
RECORDED BY				NO.				CHECKED BY: PJB				DATE: 12/29/05							



- LEGEND**
- ▲ TRAFFIC CONTROL DEVICE - TUBULAR MARKER
 - TRAFFIC CONTROL DEVICE - DRUM
 - TRAFFIC CONTROL SIGN
 - TYPE III BARRICADE
 - ➔ DIRECTIONAL ARROW
 - ▨ WORK ZONE
 - ▨ TEMPORARY PAVEMENT

NOTE:

THIS DETOUR WILL BE UTILIZED WHILE THE INTERSECTION OF CORONA/LOUISIANA IS BEING CONSTRUCTED DURING PHASE 2.

DISTANCES SHOWN ARE MEASURED AS THE DISTANCE BETWEEN TRAFFIC CONTROL SIGNS.

NOTICE OF EXTENDED PAYMENT PROVISION

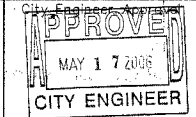
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

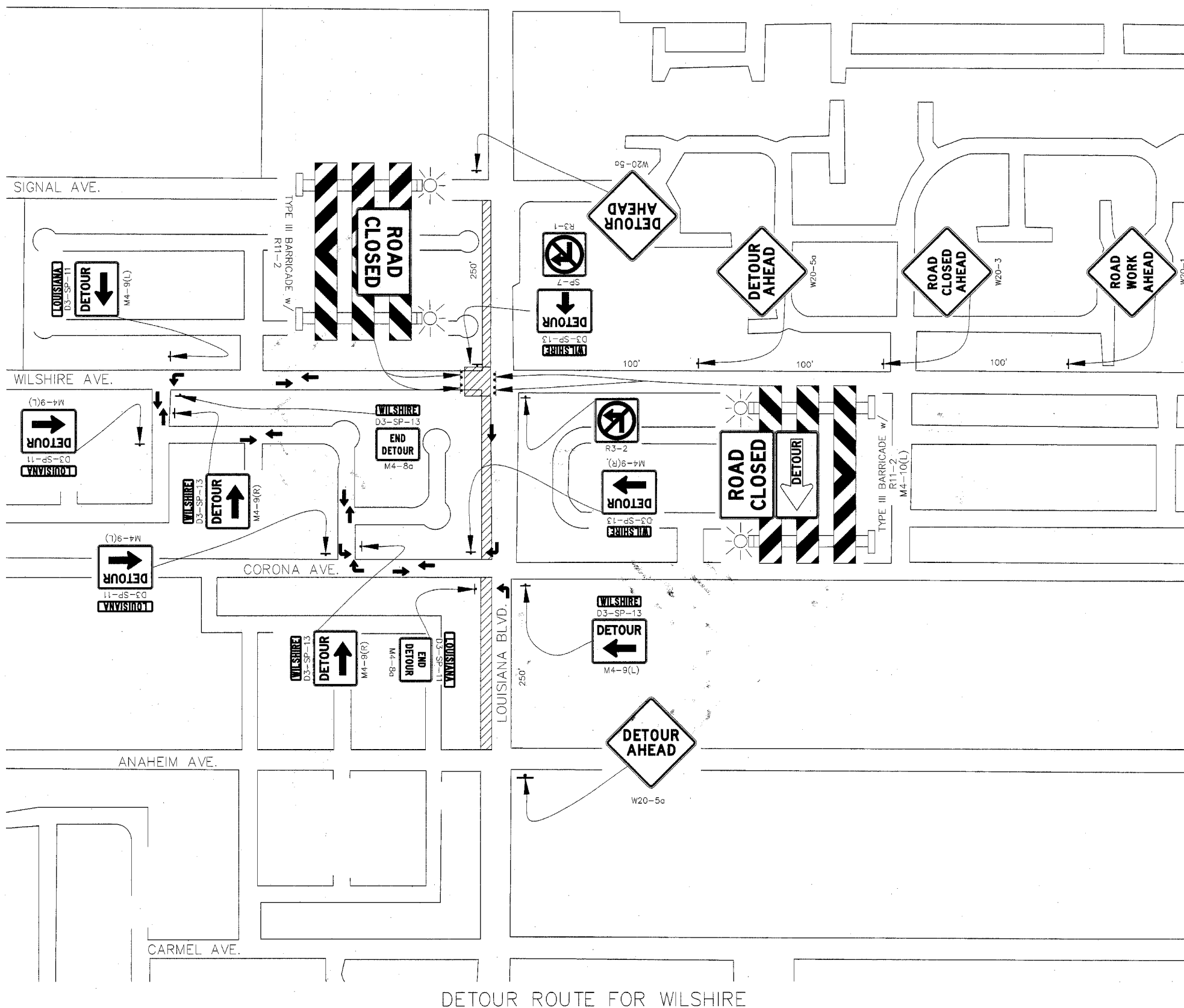
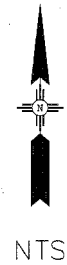
**TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE.**

TRAFFIC CONTROL PLAN - DETOUR ROUTE FOR CORONA AVE.



City Project No.	7432-91	Zone Map No.	C18-19	Sheet	29	Of	49
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AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	Wentworth Survey	DATE	12/06	THE STA. MARK IS A STANDARD USC&GGS BRASS TABLET	STAMPED	HEAVEN 1989"	TO REACH THE STA. CO NORTH ON	FIELD NOTES	DATE	BY	NO.				
STARTED BY	Accurate Survey	DATE	12/06	WYOMING TO PASCO DEL NORTE WEST ON PASCO DEL NORTE											
APPROVED BY	COA Const. Div.	DATE	12/06	0.15 MI TO STA. ON THE LEFT. X=407,051.31, Y=1,518,137.03								REMARKS REVISIONS			
APPROVED BY	HDR Inc.	DATE	5/07	EL=5378.79, GRN TO GRID FACTOR .99965263 (3RD ORDER).											
MICRO-FILM INFORMATION												DESIGNED BY: REL DRAWN BY: JLS CHECKED BY: PJB			
RECORDED BY		DATE													
NO.												DATE: 12/29/05 DATE: 12/29/05 DATE: 12/29/05			



DETOUR ROUTE FOR WILSHIRE

- LEGEND**
- ▲ TRAFFIC CONTROL DEVICE - TUBULAR MARKER
 - TRAFFIC CONTROL DEVICE - DRUM
 - TRAFFIC CONTROL SIGN
 - TYPE III BARRICADE
 - DIRECTIONAL ARROW
 - ▨ WORK ZONE
 - ▩ TEMPORARY PAVEMENT

NOTE:

THIS DETOUR WILL BE UTILIZED WHILE THE INTERSECTION OF WILSHIRE/LOUISIANA IS BEING CONSTRUCTED DURING PHASE 2.

DISTANCES SHOWN ARE MEASURED AS THE DISTANCE BETWEEN TRAFFIC CONTROL SIGNS.

NOTICE OF EXTENDED PAYMENT PROVISION

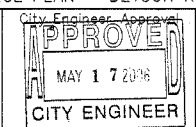
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITH IN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

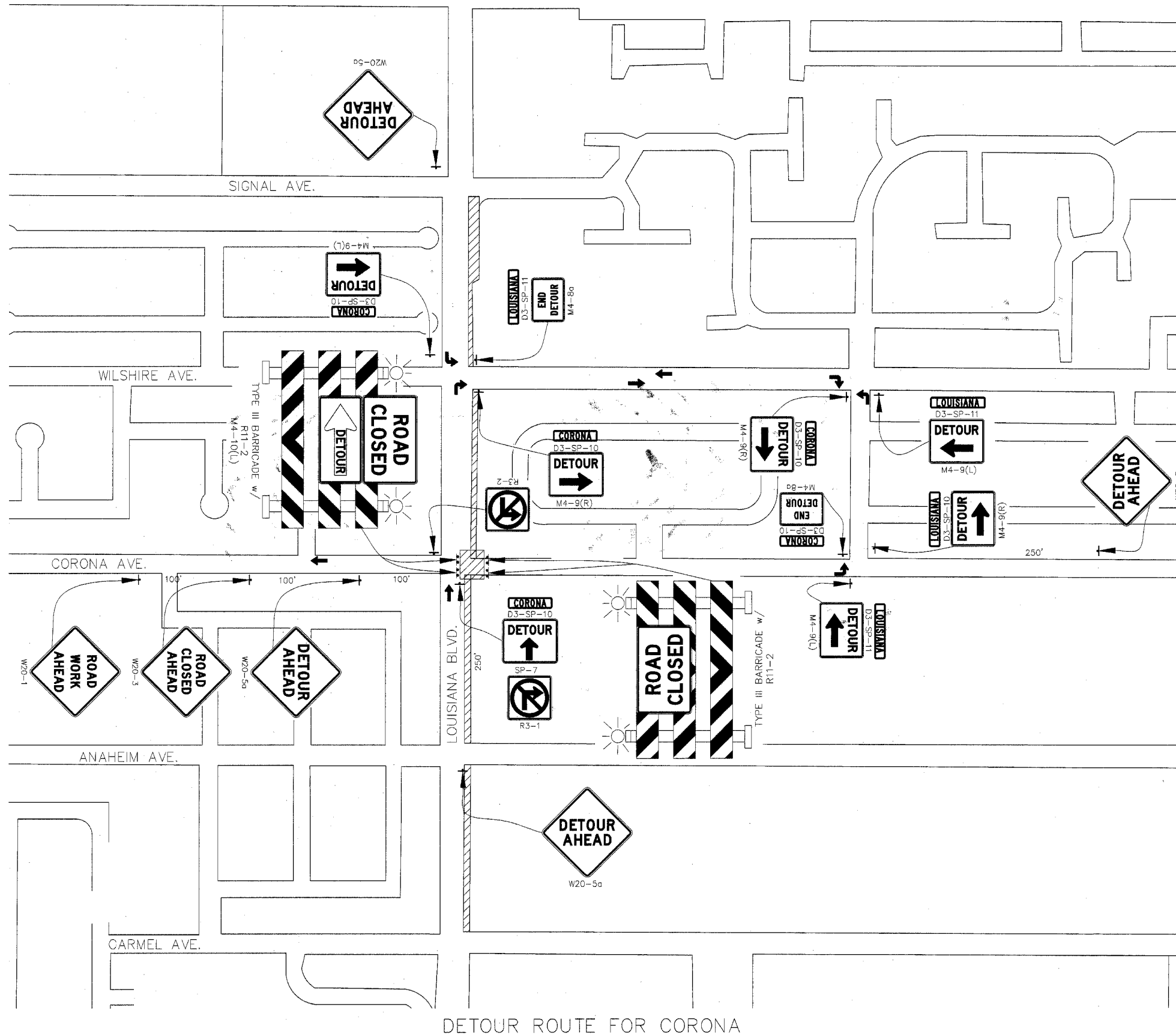
**TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE.**

TRAFFIC CONTROL PLAN - DETOUR ROUTE FOR WILSHIRE AVE.



City Project No. 7432-91 Zone Map No. C18-19 Sheet 30 of 49

						ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION					
								FIELD NOTES		THE STA. MARK IS A STANDARD USC&GS BRASS TABLET STAMPED "HEAVEN 1969". TO REACH THE STA. GO NORTH ON WYOMING TO PASO DEL NORTE WEST ON PASO DEL NORTE 0.15 MI TO STA ON THE LEFT. X=407,051.31, Y=1,518,737.03, EL=5378.79, GRN TO GRID FACTOR .99965263 (3RD ORDER). NAD 1927		CONTRACTOR Measuris Singapore 12/96 STAMPED BY ACCURATE SURVEY DATE 8/96 FIELD REVISION BY COA CONST. DATE 12/96 ADJUSTABLE BY COA CONST. DATE 12/96 CORRECTED BY MEK INC. 5/97 DATE		MICRO-FILM INFORMATION RECORDED BY DATE NO.			
NO. DATE		REMARKS		BY													



NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: **LOUISIANA BLVD. ROADWAY IMPROVEMENTS**
CARMEL AVE. TO SIGNAL AVE
TRAFFIC CONTROL PLAN - DETOUR ROUTE FOR CORONA AVE.

City Engineer Approval

APPROVED

MAY 17 2006

CITY ENGINEER

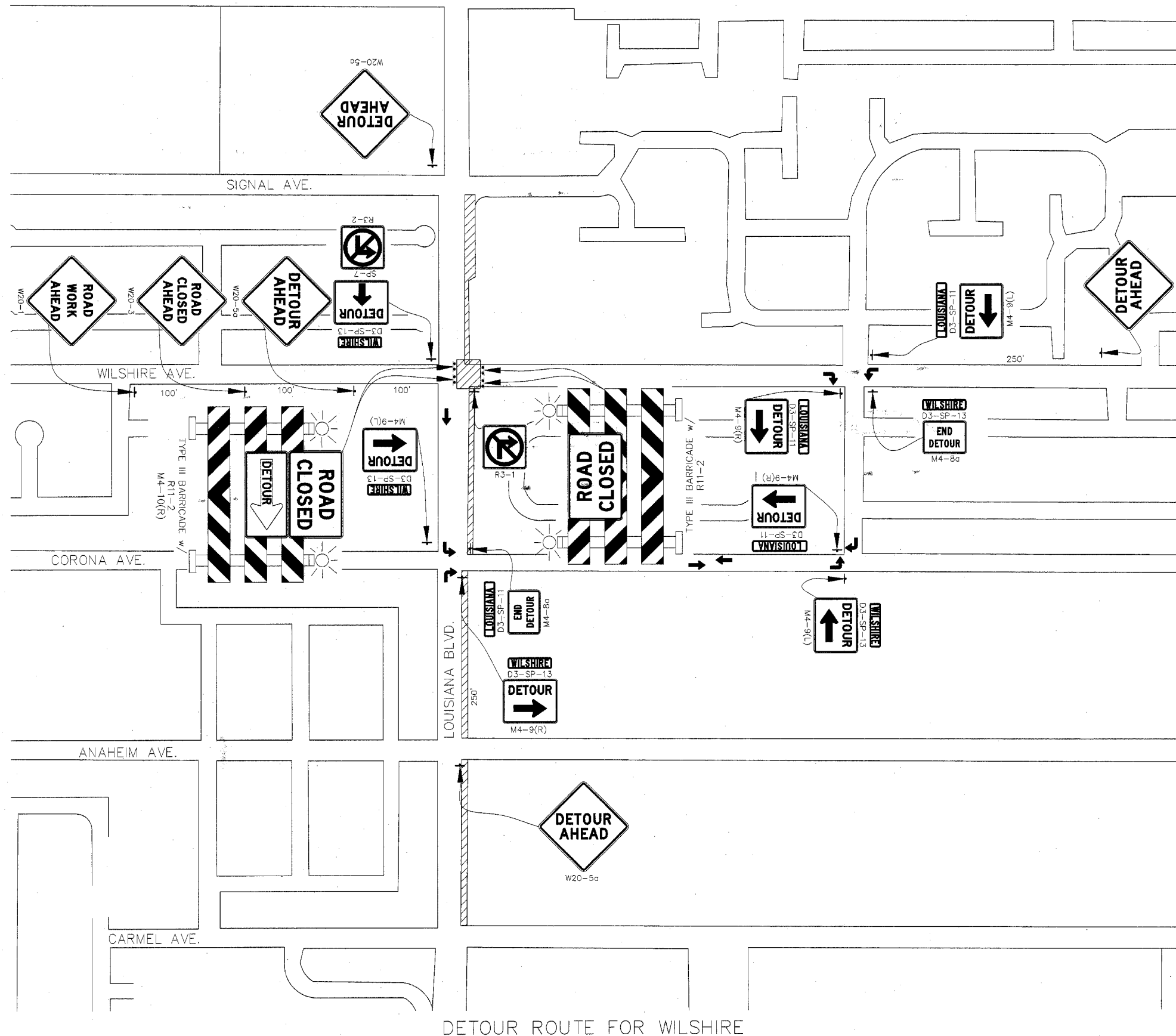
Zone Map No.
C18-19

[illegible]

Sheet	Of
31	49

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	DATE	BY	CONTRACTOR	MEASUREMENT DATE
	THE STA. MARK IS A STANDARD USCGCS BRASS TABLET STAMPED "HEAVEN 1969". TO REACH THE STA. GO NORTH ON WYOMING TO PASO DEL NORTE WEST ON PASO DEL NORTE 0.15 MI TO STA ON THE LEFT. X=407,051.31, Y=1,518,737.03, EL=5378.79, GRN TO GRID FACTOR: .9965263 (3RD ORDER).			WORK STARTED ON: 8/6/10 ACCEPTED BY: COA Coast. Div. FIELD MEASUREMENT BY: HDN Inc. DRAWINGS BY: HDN Inc. CONSTRUCTED BY: HDN Inc.	12/06 12/06 12/06 5/97
	NAD 1927			RECORDED BY: DATE: NO.	MICRO-FILM INFORMATION

NO.	DATE	REMARKS	BY
<i>REVISIONS</i>			
HDR INC.			
DESIGNED BY: REL		DATE: 12/29/05	
DRAWN BY: JLS		DATE: 12/29/05	
CHECKED BY: PJB		DATE: 12/29/05	



	TRAFFIC CONTROL DEVICE — TUBULAR MARKER
	TRAFFIC CONTROL DEVICE — DRUM
	TRAFFIC CONTROL SIGN
	TYPE III BARRICADE
	DIRECTIONAL ARROW
	WORK ZONE
	TEMPORARY PAVEMENT

THIS DETOUR WILL BE
UTILIZED WHILE THE INTERSECTION OF
WILSHIRE/LOUISIANA IS BEING
CONSTRUCTED DURING PHASE 3.

DISTANCES SHOWN ARE MEASURED AS
THE DISTANCE BETWEEN TRAFFIC
CONTROL SIGNS.

THIS CONTRACT ALLOWS THE OWNER TO
MAKE PAYMENT WITH IN 45 DAYS AFTER
SUBMISSION OF AN UNDISPUTED REQUEST
FOR PAYMENT.



2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: **LOUISIANA BLVD. ROADWAY IMPROVEMENTS**
CARMEL AVE. TO SIGNAL AVE
TRAFFIC CONTROL PLAN - DETOUR ROUTE FOR WILSHIRE AVE.

Design Review Committee

APPROVED

MAY 1 9 2000

DESIGN
REVIEW COMMITTEE

City Engineer Approval

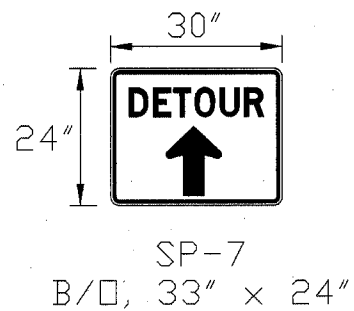
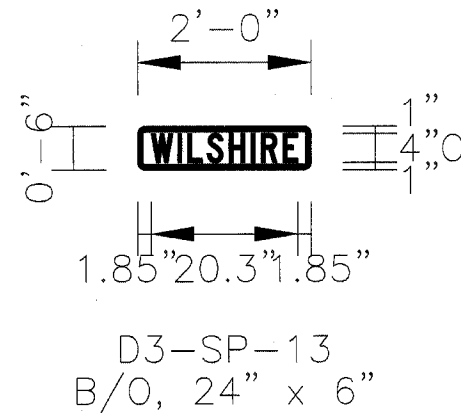
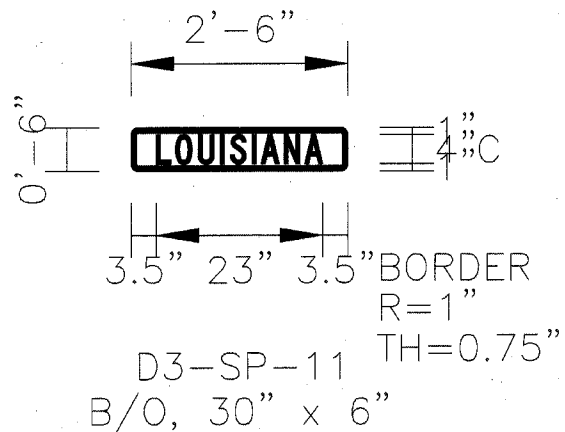
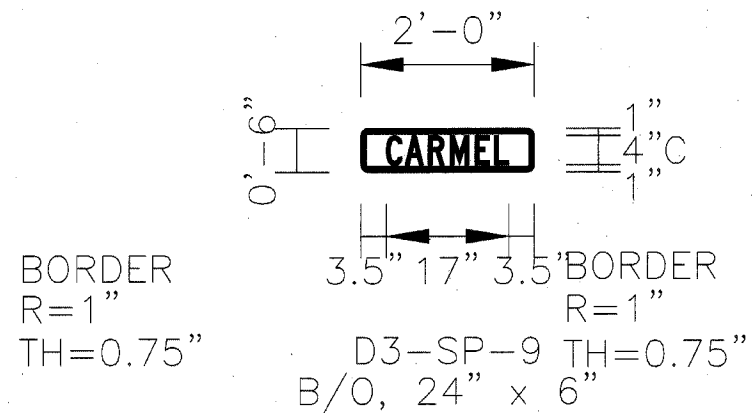
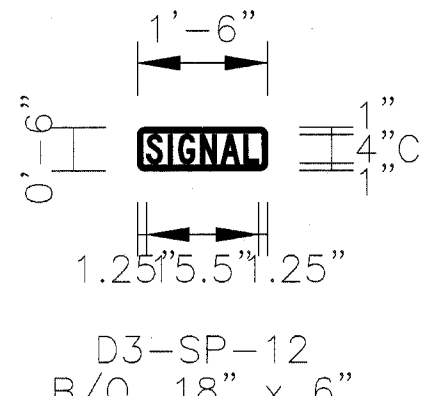
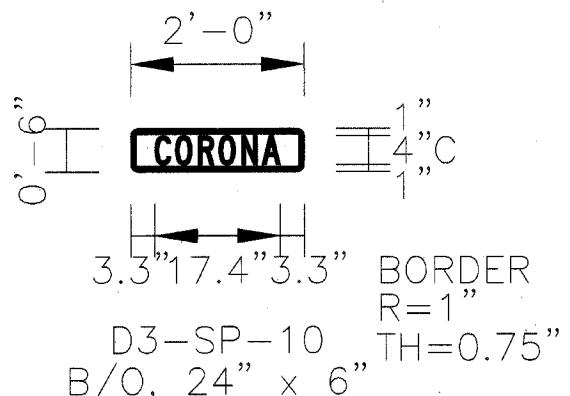
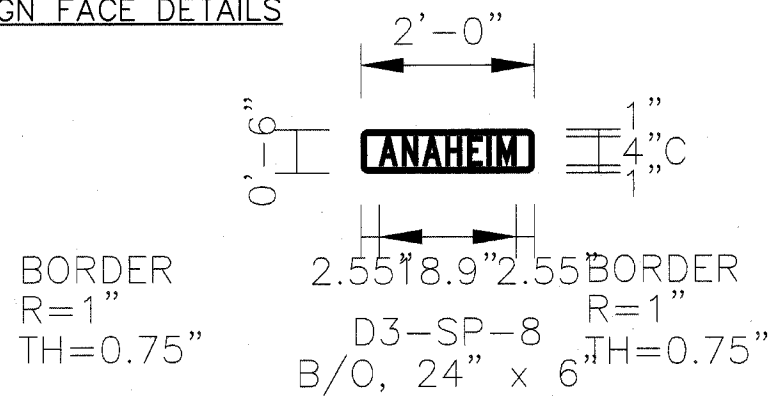
APPROVED

MAY 17 2006

CITY ENGINEER

City Project No.	7432-91	Zone Map No.	C18-19	Sheet	32	Of	49
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SIGN FACE DETAILS



NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.



2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

**TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE
CONSTRUCTION SIGN FACE DETAILS**

Design Review Committee

APPROVED

MAY 14 2004

DESIGN
REVIEW COMMITTEE

City Engineer Approval
APPROVED
MAY 17 2006
CITY ENGINEER

Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	7432-91	Zone Map No.	C18-19	Sheet	33	Of	49
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TRAFFIC CONTROL SIGNING - SUMMARY OF QUANTITIES

SIGN CODE	NO. OF SIGNS	TOTAL SIGN AREA SQ FT	POST LENGTHS				MOUNTING REQUIREMENTS						PORTABLE SIGN SUPPORT (EACH)	BASE POSTS	
							U-CHANNEL			SQUARE TUBE POST					
			LEFT	CENTER	RIGHT	TOTAL	2.50 LB/FT	3.00 LB/FT	4.00 LB/FT	1.75"X 1.75" 12 ga.	2.0"X 2.0" 12 ga.	2.25"X 2.25" 12 ga.		NO.	TOTAL LENGTH
PHASE A - CONSTRUCTION OF 30" RCP STORM DRAIN															
W20-1	(8)	(72.00)											(8)		
W1-3(L)	(2)	(18.00)											(2)		
W1-3(R)	(2)	(18.00)											(2)		
W1-6(L)	(1)	(6.00)											**		
R11-2a	(1)	(10.00)											**		
R11-2	(1)	(10.00)											**		
R4-7b	(2)	(10.00)											(2)		
R3-2	(1)	(4.00)											(1)		
R3-1	(1)	(4.00)											(1)		
R2-1-25	(2)	(10.00)											(2)		
R2-5a	(2)	(10.00)											(2)		
R1-1	(1)	(6.25)											(1)		
D3-SP-11	(4)	(5.00)											*		
SUBTOTAL=		0.00											0		
PHASE 1 - CONSTRUCTION OF TEMPORARY PAVEMENT															
W20-1	(18)	(144.00)											(18)		
W1-3(L)	(3)	(27.00)											(3)		
W1-6(L)	3	18.00											**		
R11-2a	3	30.00											**		
R2-1-25	3	15.00											3		
R2-5a	3	15.00											3		
R1-1	8	50.00											8		
D3-SP-11	13	16.25											*		
SUBTOTAL=		144.25											14		
PHASE 2 - CONSTRUCTION OF SOUTHBOUND LOUISIANA															
W20-5(L)	2	18.00											2		
W20-5a	(3)	(27.00)											(3)		
W20-3	1	9.00											1		
W20-1	17	153.00											17		
W6-3	(4)	(36.00)											(4)		
W4-2(L)	(2)	(18.00)											(2)		
W1-6R	1	6.00											**		
W1-6(L)	(1)	(6.00)											**		
W1-3R	3	27.00											(2)		
W1-3(L)	2	18.00											4		
R11-2	26	260.00											**		
R11-2a	(2)	(20.00)											**		
R4-7b	10	50.00											(10)		
R3-2	(1)	(4.00)											(1)		
R3-1	1	4.00											1		
R2-5a	1	5.00											1		
R2-1-25	(2)	(10.00)											*		
R1-1	(5)	(31.25)											(5)		
M4-10R	2	12.00											2		
M4-9R	3	15.00											3		
M4-9(L)	4	20.00											4		
M4-6a	2	6.00											2		
D3-SP-8	4	4.00											*		
D3-SP-9	5	5.00											*		
D3-SP-10	5	5.00											*		
D3-SP-11	17	21.25											*		
D3-SP-13	6	8.00											*		
SP-7	1	5.50											*		
SP-8 PROJECT SIGN	1	5.00											*		
SUBTOTAL=		654.75											37		

TRAFFIC CONTROL SIGNING - SUMMARY OF QUANTITIES

SIGN CODE	NO. OF SIGNS	TOTAL SIGN AREA SQ FT	POST LENGTHS				MOUNTING REQUIREMENTS						PORTABLE SIGN SUPPORT	BASE POSTS	
							U-CHANNEL			SQUARE TUBE POST				NO.	TOTAL LENGTH
			LEFT	CENTER	RIGHT	TOTAL	2.50 LB/FT	3.00 LB/FT	4.00 LB/FT	1.75"X 1.75" 12 ga.	2.0"X 2.0" 12 ga.	2.25"X 2.25" 12 ga.			
PHASE 3 - CONSTRUCTION OF NORTHBOUND LOUISIANA															
W20-5(R)	2	18.00											2		
W20-5a	4	36.00											4		
W20-1	(16)	(144.00)											(16)		
W6-3	6	54.00											6		
W4-2(R)	2	18.00											2		
W1-6(L)	(1)	(6.00)											**		
W1-3R	(2)	(18.00)											(2)		
W1-3(L)	(1)	(9.00)											1		
R11-2	(23)	(230.00)											**		
R11-2a	(1)	(10.00)											**		
R4-7b	(10)	(50.00)											(10)		
R3-2	(4)	(16.00)											(4)		
R3-1	(1)	(5.00)											*		
R2-5a	(1)	(5.00)											(1)		
R2-1-25	2	10.00											2		
R1-6L	1	3.00											1		
R1-1	(5)	(31.25)											5		
M4-10L	2	12.00											2		
M4-10R	(2)	(10.00)											(2)		
M4-9R	(3)	(15.00)											(3)		
M4-9(L)	(3)	(15.00)											(3)		
M4-8a	(2)	(6.00)											(2)		
D3-SP-10	(5)	(5.00)											*		
D3-SP-11	(17)	(21.25)											*		
D3-SP-13	(5)	(5.00)											*		
SP-7	(1)	(0.17)											*		
SP-8 PROJECT SIGN	(1)	(5.00)											*		
SUBTOTAL=		151.00											25		
TOTAL		805.75					0.00								0
USE		810					0								0

* SIGN TO BE MOUNTED ON COMMON POST WITH ANOTHER SIGN

** SIGN TO BE MOUNTED ON TYPE III BARRICADE

() INDICATES ITEM IS A RE-USE ITEM AND NO ADDITIONAL PAYMENT WILL BE MADE

NOTE: SUMMARY OF QUANTITIES FOR TRAFFIC CONTROL SIGNS AND DEVICES IS FOR CONTRACTOR INFORMATION ONLY

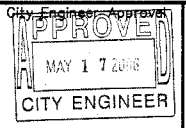
TRAFFIC CONTROL DEVICES SUMMARY

DEVICES	PHASE A	PHASE 1	PHASE 2	PHASE 3
TYPE III BARRICADE	(4)	(3)	(24)	24
DRUMS	(15)	198	(109)	(116)
TUBULAR MARKERS	(14)	(78)	(96)	123



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE
TRAFFIC CONTROL PLAN - QUANTITIES



City Project No. 7432-91 Zone Map No. C18-19 Sheet 34 of 49

CONTRACTOR: MEMPHIS STATE DATE: 12/29/05		INSPECTOR: ACCURATE SURVEY DATE: 8/8/06		REVIEWER: COA CONST. DIV. DATE: 12/29/05		APPROVED BY: COA CONST. DIV. DATE: 12/29/05		RECORDED BY: TRK REC. DATE: 5/9/07		MICRO-FILM INFORMATION	
THE STA. MARK IS A STANDARD USCARO BRASS TABLET		STAMPED "HEAVEN 1969". TO REACH THE STA. GO NORTH ON WYOMING TO PASEO DEL NORTE WEST ON PASEO DEL NORTE 0.15 MI. TO STA. ON THE LEFT. X=407,051.31, Y=1,518,737.03, EL.=5378.79, GRN TO GRID FACTOR .99965263 (3RD ORDER).		MAD 1927		RECORDED BY: _____ DATE: _____		NO. _____		DATE: _____	

1. ALL PAVEMENT MARKINGS SHALL CONFORM TO THE CITY OF ALBUQUERQUE STANDARDS AND SPECIFICATIONS OR THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, 2000 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 SHALL BE CONSIDERED INCIDENTAL TO SIGNING AND STRIPING AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFOR.
4. THE DESIGN SPEED FOR THE ROAD IS: 40 MPH. THE DESIGN VEHICLE IS: WB-50. THE POSTED SPEED LIMIT IS: 35 MPH.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF 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 THE PROJECT MANAGER PRIOR TO THE APPLICATION OF MATERIALS.
6. ALL LANE DIMENSIONS ARE FROM CENTER OF LANE STRIPE, CENTER OF DOUBLE LANE STRIPE, FACE OF CURB, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
7. THE FINAL LONGITUDINAL STRIPING SHALL BE 60 MIL (0.060") THICK HOT-SPRAYED 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 NOTED OTHERWISE.
8. ALL FINAL TRANSVERSE MARKINGS SHALL BE HOT-SPRAYED 90 MIL (0.090") PLASTIC RETROREFLECTORIZED STRIPING. ALL PAVEMENT ARROWS AND LEGENDS SHALL BE A RETROREFLECTORIZED PERFORMED PLASTIC PAVEMENT MARKING.
9. 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.
10. 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 PLASTIC STRIPING.
11. THE PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS, DETAILS AND STANDARDS WHEN INSTALLING PAVEMENT, STRIPING, MARKINGS AND MARKERS.

1. ALL NEW SIGNS SHALL MEET THE MINIMUM REQUIREMENTS SPECIFIED IN THE MUTCD, CURRENT EDITION.
2. ANY SIGNS REQUIRED TO BE REMOVED AND RELOCATED SHALL BE CONSIDERED INCIDENTAL AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFORE.
3. ALL EXISTING SIGNS SHALL BE CLEANED AND FREE OF GRAFFITI, DIRT OR OTHER OBSTRUCTIONS. THIS WORK SHALL BE CONSIDERED INCIDENTAL AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFORE.
4. ANY EXISTING SIGNS CONFLICTING WITH THE INTERSECTION OPERATION OR OTHER SIGNS SHALL BE REMOVED AS DIRECTED BY THE PROJECT MANAGER.
5. CONTACT CHRIS SALAZAR AT 857-8000 EXT. 8601 FOR HANDLING ARRANGEMENTS OF EXISTING SIGNS THAT ARE INDICATED AS TO BE REMOVED AND SALVAGED.
6. UNLESS SPECIFIED OTHERWISE, ALL NEW SIGNS SHALL BE MOUNTED ON A SINGLE 12 GAUGE POST, AS MANUFACTURED BY TELESAR OR APPROVED EQUAL. POSTS SHALL BE SQUARE WITH DIMENSIONS AS FOLLOWS:
1 1/2" x 1 1/2" NO PARKING SIGNS, BIKE LANE SIGNS
2 1/4" x 2 1/4" ALL OTHER SIGNS
7. CONTRACTOR SHALL INSTALL A CORRESPONDINGLY SIZED 30 INCH LONG BASE POST WITH AN 18 INCH LONG BASE POST SLEEVE. SIGN POSTS SHOULD BE INSERTED 6 INCHES INTO THE BASE POST OR PER MANUFACTURER'S RECOMMENDATIONS.
8. ALL NEW SIGNS SHALL AT A MINIMUM, USE SUPER ENGINEERING GRADE REFLECTIVE SHEETING WITH GRAFFITI RESISTANT INKS OR COATING AS APPROVED BY THE TRAFFIC ENGINEER.



FACE DETAILS

3'-6"

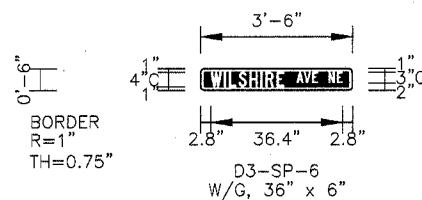
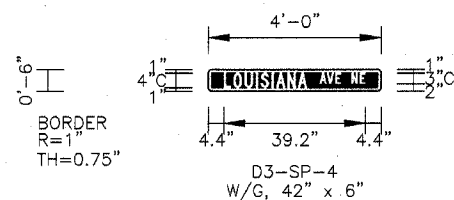
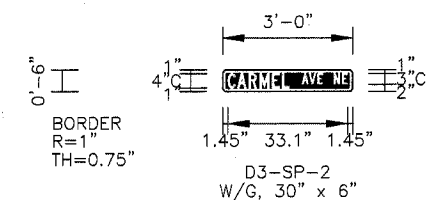
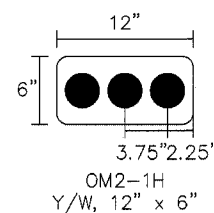
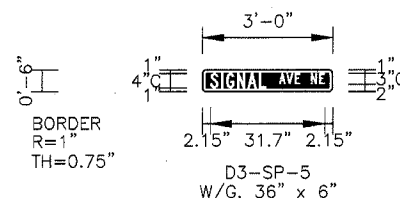
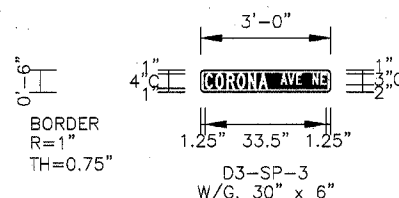
4 1/2"

1 1/2"

3.55" 34.9" 3.55"

D3-SP-1
W/G, 36" x 6"

BORDER
R=1"
TH=0.75"



NOTICE OF EXTENDED PAYMENT PROMISION

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE
PERMANENT STRIPING AND SIGNING GENERAL NOTES

Design Review Committee

APPROVED

11/11/2000

DESIGN
REVIEW COMMITTEE

City Engineer Approval

APPROVED

MAY 17 2006

CITY ENGINEER

City Project No. 74.32-91

Zone Map No.
C18-19

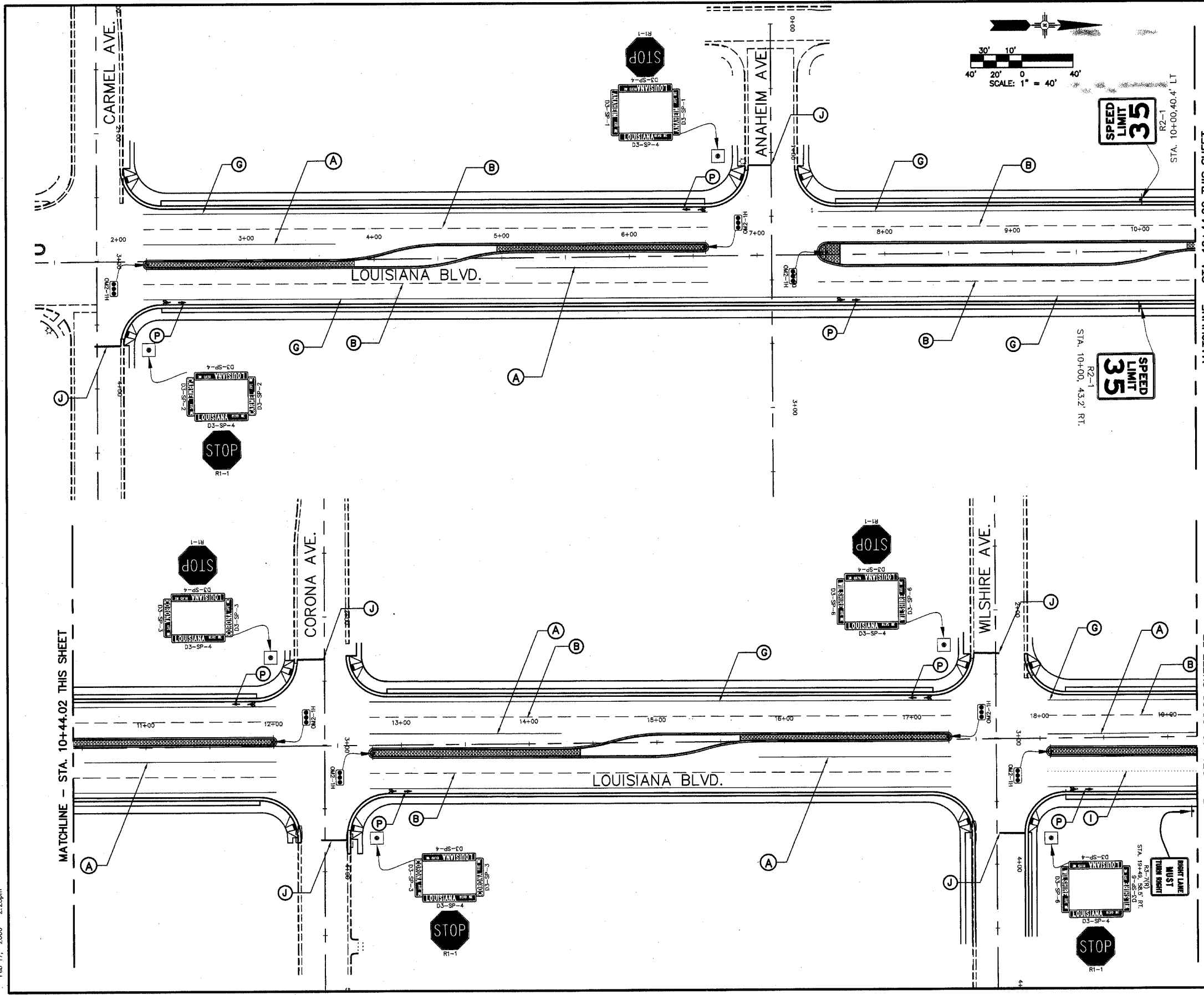
Sheet	Of
35	49

CONTRACTOR	Monsieur States	DATE	12/86
AS BUILT INFORMATION	Accurate Survey	DATE	8/86
DESIGNED BY	COA Const. Div.	DATE	12/86
SUPERVISOR	COA Const. Div.	DATE	12/86
FIELD	COA Const. Div.	DATE	5/87
APPROVED BY	HDOR Inc.	DATE	
RECORDED BY		DATE	
MICRO-FILM INFORMATION			

BENCH MARKS	
E STA. MARK IS A STANDARD USCGCS BRASS TABLET	
UNLAMPED "HEAVEN 1969", TO REACH THE STA. GO NORTH ON	
ROADWAY TO PASSED DEL NORTE WEST ON PASSED DEL NORTE	
1.5 MI TO STA ON THE LEFT. X=407,091.31, Y=1,518,737.03	
X=5378.79, ORN TO GRID FACTOR. 99990383 (3RD ORDER).	
D 1827	

[illegible][illegible]

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Feb 17, 2006 - 2:23pm



- STRIPING LEGEND**
- (A) 4" SOLID WHITE RETROREFLECTORIZED PLASTIC STRIPE
 - (B) 4" DASHED WHITE RETROREFLECTORIZED PLASTIC STRIPE
 - (C) 4" SOLID YELLOW RETROREFLECTORIZED PLASTIC STRIPE
 - (D) 4" DASHED YELLOW RETROREFLECTORIZED PLASTIC STRIPE
 - (E) 4" SOLID DOUBLE YELLOW RETROREFLECTORIZED PLASTIC STRIPE
 - (F) 4" SOLID & DASHED YELLOW RETROREFLECTORIZED PLASTIC STRIPE
 - (G) 6" SOLID WHITE REFLECTORIZED PLASTIC STRIPE
 - (H) 8" SOLID WHITE RETROREFLECTORIZED PLASTIC STRIPE
 - (I) 8" SOLID WHITE DOTTED (3' STRIPE, 7' SKIP) RETROREFLECTORIZED PLASTIC STRIPE
 - (J) 12" SOLID WHITE RETROREFLECTORIZED PLASTIC STRIPE (STOP BAR)
 - (K) 24" SOLID WHITE RETROREFLECTORIZED PLASTIC STRIPE
 - (L) RETROREFLECTORIZED PLASTIC COMBO (THRU & RT) ARROW
 - (M) RETROREFLECTORIZED PLASTIC RIGHT ARROW
 - (N) RETROREFLECTORIZED PLASTIC LEFT ARROW
 - (O) RETROREFLECTORIZED PLASTIC WORD (ONLY)
 - (P) RETROREFLECTORIZED PLASTIC BIKE SYMBOL
 - (Q) 12" SOLID YELLOW REFLECTORIZED PLASTIC STRIPE

NOTE:

- MEDIAN NOSES 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 THEREFOR.
- CONTRACTOR SHALL CONTACT CITY OF ALBUQUERQUE TRAFFIC OPERATIONS MANAGER UPON COMPLETION OF STRIPING LAYOUT, BUT PRIOR TO INSTALLATION OF PERMANENT SIGNING AND STRIPING.

AS-BUILT

NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

HDR 2155 LOUISIANA BLVD., NE
SUITE 1000
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454

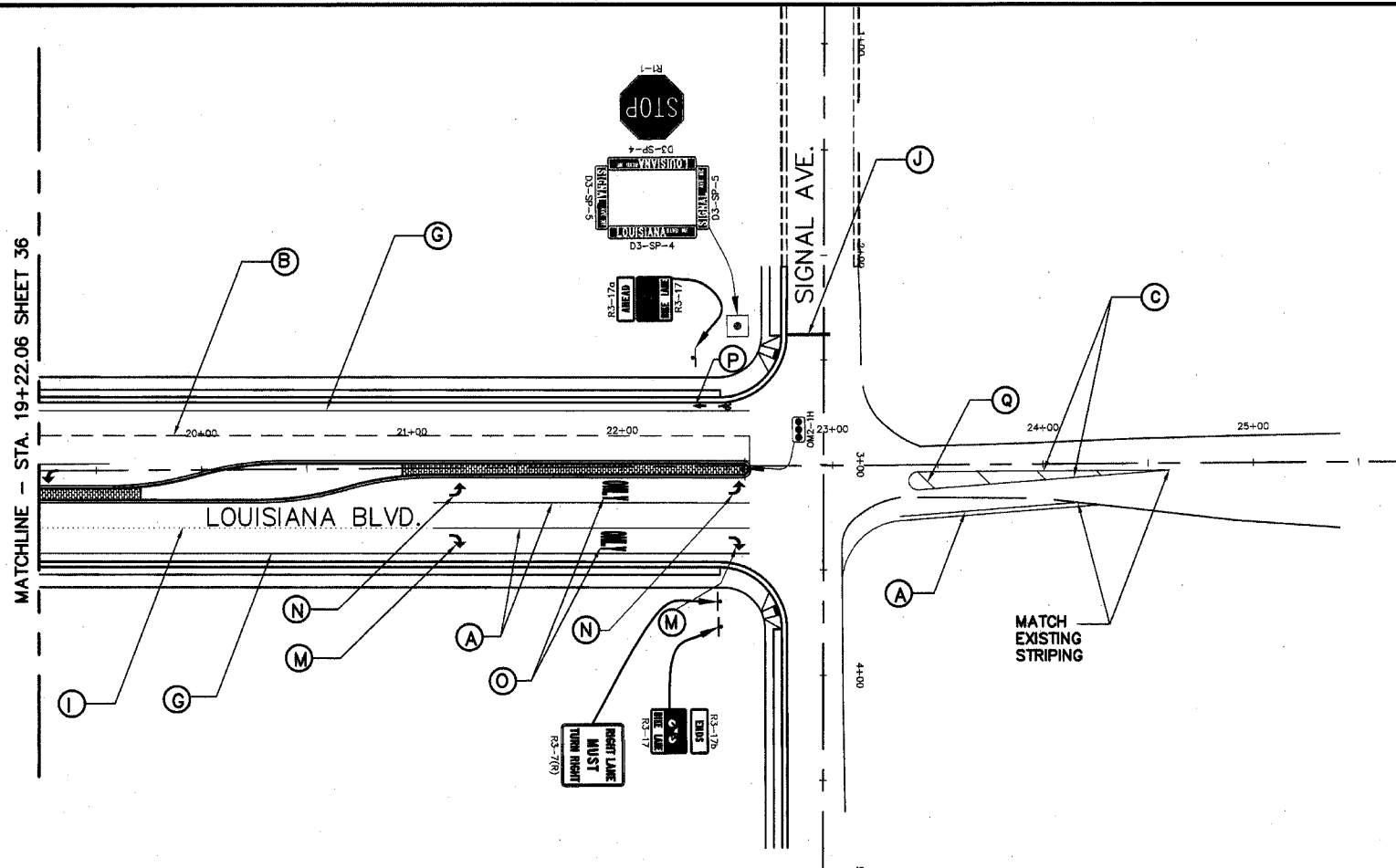
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE
PERMANENT STRIPING AND SIGNING

Design Review Committee **APPROVED** MAY 17 2006
City Engineer Approval **APPROVED** MAY 17 2006

City Project No. 7432-91 Zone Map No. C18-19 Sheet 36 of 49

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	Mountain States, Inc. DATE 12/06	THE STA. MARK IS A STANDARD USCGC BRASS TABLET	DATE	FIELD NOTES	NO.		
STAMPED "HEAVEN 1989" TO REACH THE STA. 00 NORTH ON		DATE	BY	DATE	BY		
BY	Accurate Survey DATE 8/06	DATE	BY	DATE	BY	REMARKS	REVISIONS
INSPECTORS	COA Const. Div. DATE 12/06	DATE	BY	DATE	BY	NO.	DATE
ADJUSTMENTS	COA Const. Div. DATE 12/06	DATE	BY	DATE	BY	DESIGNED BY: REL	DATE: 12/29/05
PROPOSED	YORK Inc. DATE 5/07	DATE	BY	DATE	BY	DRAWN BY: JLS	DATE: 12/29/05
REVISIONS	YORK Inc. DATE 5/07	DATE	BY	DATE	BY	CHECKED BY: PJB	DATE: 12/29/05
MICRO-FILM INFORMATION		RECORDED BY		DATE			



STRIPING LEGEND	
(A)	4" SOLID WHITE RETROREFLECTORIZED PLASTIC STRIPE
(B)	4" DASHED WHITE RETROREFLECTORIZED PLASTIC STRIPE
(C)	4" SOLID YELLOW RETROREFLECTORIZED PLASTIC STRIPE
(D)	4" DASHED YELLOW RETROREFLECTORIZED PLASTIC STRIPE
(E)	4" SOLID DOUBLE YELLOW RETROREFLECTORIZED PLASTIC STRIPE
(F)	4" SOLID & DASHED YELLOW RETROREFLECTORIZED PLASTIC STRIPE
(G)	6" SOLID WHITE REFLECTORIZED PLASTIC STRIPE
(H)	8" SOLID WHITE RETROREFLECTORIZED PLASTIC STRIPE
(I)	8" SOLID WHITE DOTTED (3' STRIPE, 7' SKIP) RETROREFLECTORIZED PLASTIC STRIPE
(J)	12" SOLID WHITE RETROREFLECTORIZED PLASTIC STRIPE (STOP BAR)
(K)	24" SOLID WHITE RETROREFLECTORIZED PLASTIC STRIPE
(L)	RETROREFLECTORIZED PLASTIC COMBO (THRU & RT) ARROW
(M)	RETROREFLECTORIZED PLASTIC RIGHT ARROW
(N)	RETROREFLECTORIZED PLASTIC LEFT ARROW
(O)	RETROREFLECTORIZED PLASTIC WORD (ONLY)
(P)	RETROREFLECTORIZED PLASTIC BIKE SYMBOL
(Q)	12" SOLID YELLOW REFLECTORIZED PLASTIC STRIPE

NOTE:

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AS-BUILT

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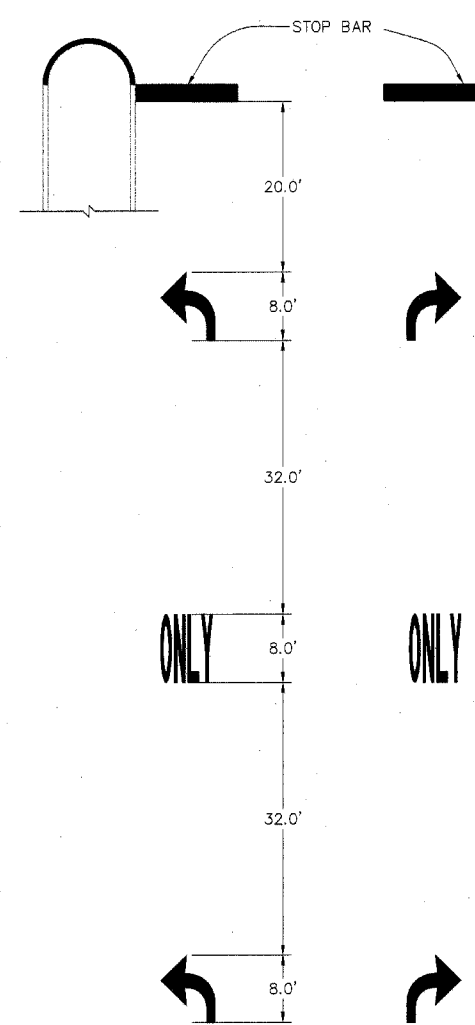
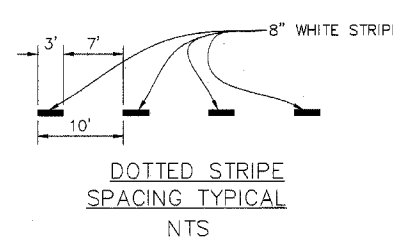
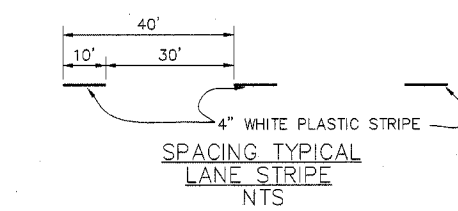
ENGINEER'S SEAL	

SURVEY INFORMATION	
NO.	DATE
BY	

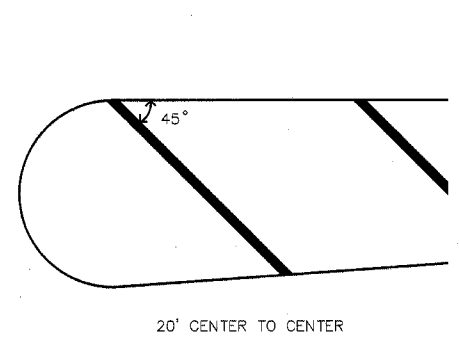
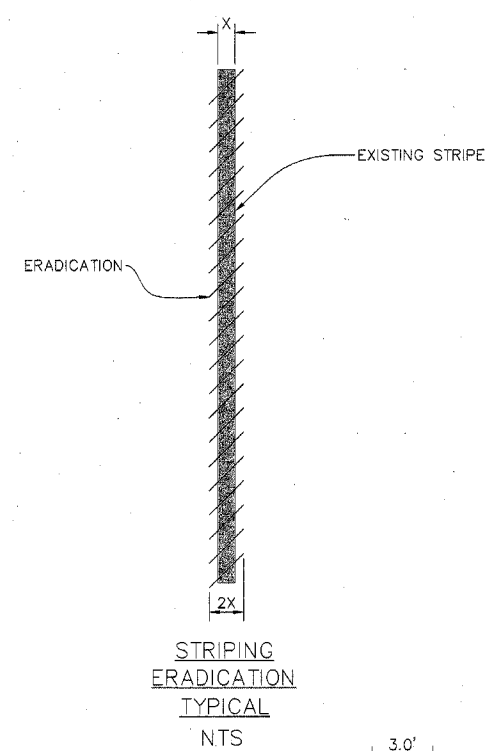
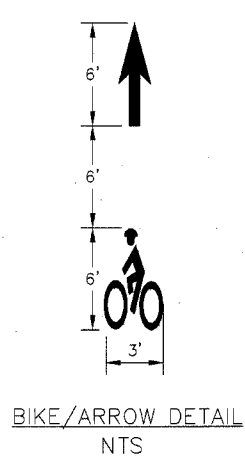
BENCH MARKS	
THE STA. MARK IS A STANDARD USCARO BRASS TABLET STAMPED "HEAVEN 1989". TO REACH THE STA. GO NORTH ON WYOMING TO PASO DEL NORTE WEST ON PASO DEL NORTE 0.15 MI TO STA ON THE LEFT. X=407,051.31, Y=1518,737.03, EL=5372.79, GRN TO GRID FACTOR .99465283 (3RD ORDER).	

AS BUILT INFORMATION	
CONTRACTOR	MANHOLE SHIMS
STAMPED BY	DATE 12/06
ACCEPTED BY	DATE 12/06
FIELD	DATE 12/06
REVISIONS	DATE 12/06
DESIGNED BY: REL	DATE: 12/29/05
DRAWN BY: JLS	DATE: 12/29/05
CHECKED BY: PJB	DATE: 12/29/05

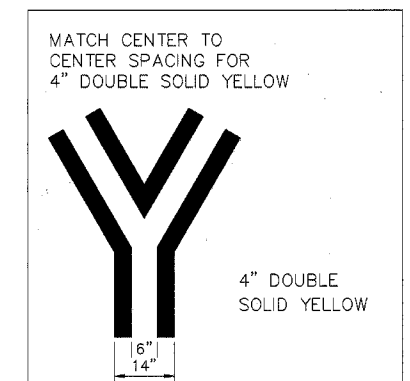
CITY OF ALBUQUERQUE	
MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION	
TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS CARMEL AVE. TO SIGNAL AVE PERMANENT STRIPING AND SIGNING	
Design Review Committee	City Engineer Approval
City Project No.	Zone Map No.
7432-91	C18-19
Sheet	Of
37	49



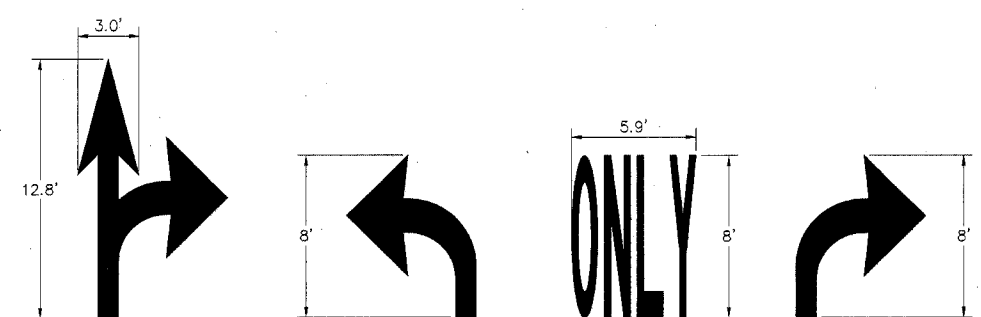
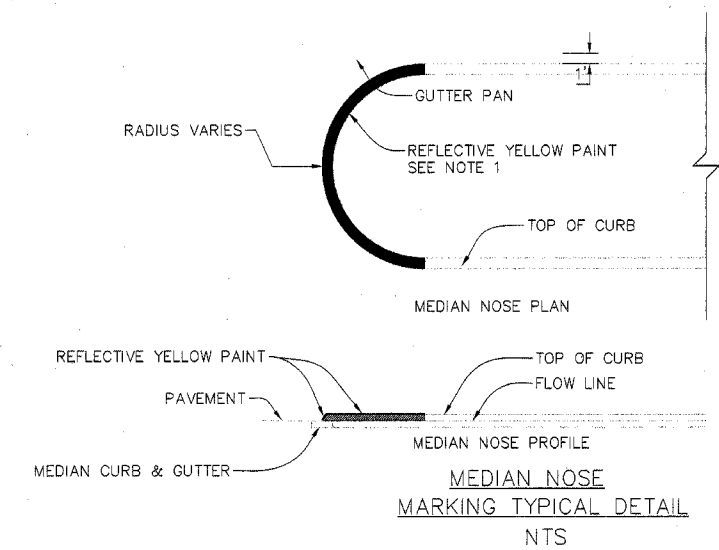
TURN LANE TYPICAL
NTS



MEDIAN ISLAND
STRIPING
NTS



DOUBLE YELLOW
STRIPE SPACING DETAIL
NTS



NOTE:
1. MEDIAN SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT FROM NOSE BACK 5' OR TO THE P.C., WHICHEVER IS GREATER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO SIGNING AND STRIPING AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFOR.

AS-BUILT

NOTICE OF EXTENDED PAYMENT PROVISION
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

HDR
2155 LOUISIANA BLVD., NE
SUITE 9000
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION
TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE
PERMANENT STRIPING DETAILS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAY 17 2006 DESIGN REVIEW COMMITTEE	APPROVED MAY 17 2006 CITY ENGINEER		

City Project No. 7432-91 Zone Map No. C18-19 Sheet 38 of 49

AS-BUILT INFORMATION			
CONTRACTOR	MANUAL SURVEY	DATE	12/29/05
WORK BY	ACCURATE SURVEY	DATE	9/06
INSPECTOR'S	COA CANT. DIV.	DATE	12/06
ACCEPTANCE BY	COA CANT. DIV.	DATE	12/06
REVISIONS	BY	DATE	5/07
SUBMITTED BY	HDR INC.	DATE	
MICRO-FILM INFORMATION			
RECORDED BY		DATE	
NO.			

RETROREFLECTORIZED PAVEMENT STRIPE SUMMARY

STATION TO STATION				PLASTIC PAVEMENT STRIPING (LIN. FT.)												REMARKS
				ITEM 441.001 4"						ITEM 441.002 6"	ITEM 441.003 8"		ITEM 441.004 12"			
				SOLID WHITE	DASHED WHITE	DOTTED WHITE	SOLID YELLOW	SOLID DOUBLE YELLOW	DASHED YELLOW	SOLID WHITE	SOLID WHITE	DOTTED WHITE	SOLID WHITE	SOLID YELLOW		
2+19.45	-	6+61.11	NB AND SB LANES	-	220.83	-	-	-	-	441.66	-	-	-	-	LANE AND BIKE STRIPES	
2+19.45	-	12+01.77	NB LANE	-	-	-	-	-	-	982.32	-	-	-	-	BICYCLE LANE STRIPE	
7+47.83	-	12+01.77	SB LANE	-	226.97	-	-	-	-	453.94	-	-	-	-	BICYCLE LANE STRIPE	
12+75.28	-	17+30.13	NB AND SB LANES	-	227.43	-	-	-	-	909.70	-	-	-	-	THRU AND BICYCLE LANE STRIPES	
18+05.93	-	21+10.08	NB LANE	-	-	-	-	-	-	-	-	91.25	-	-	STRIPING FOR FORCED TURN MOVEMENT	
18+05.93	-	22+60.08	NB LANE	-	113.54	-	-	-	-	-	-	-	-	-	LANE STRIPE	
18+05.93	-	22+60.08	NB AND SB LANES	-	-	-	-	-	-	908.30	-	-	-	-	BICYCLE LANE STRIPE	
21+10.08	-	22+60.08	NB LANE	-	-	-	-	-	-	-	150.00	-	-	-	FORCED RIGHT TURN LANE	
23+40.00	-	24+60.00	NB AND SB LANES	-	-	-	240.00	-	-	-	-	-	-	-	MEDIAN STRIPING	
-	-	-	MEDIAN NOSE	-	-	-	13.50	-	-	-	-	-	-	-	MEDIAN STRIPING	
-	-	-	VARIOUS	-	-	-	-	-	-	-	-	-	127.00	-	SIDE STREET STOP BARS	
-	-	-	VARIOUS	-	-	-	-	-	-	-	-	-	-	30.00	MEDIAN STRIPING	
-	-	-	VARIOUS	1300.00	-	-	-	-	-	-	-	-	-	-	TURN STORAGE AND TRANSITION STRIPING	
SUBTOTAL				1300.00	788.76	0.00	253.50	0.00	0.00	3695.92	150.00	91.25	127.00	30.00		
TOTAL WHITE / YELLOW				2090.00			255.00			3695.92	241.25		157.00			
TOTAL STRIPING				2345.00						3695.92	241.25		157.00			
USE (LIN FT)				2350						3700	250		200			

RETROREFLECTORIZED PLASTIC PAVEMENT MARKINGS SUMMARY

STATION	LOCATION	ITEM 441.010 RETROREFLECTORIZED PLASTIC RIGHT ARROW	ITEM 441.011 RETROREFLECTORIZED PLASTIC LEFT ARROW	ITEM 441.020 RETROREFLECTORIZED PLASTIC WORD "ONLY"	ITEM 441.031 RETROREFLECTORIZED PLASTIC BIKE SYMBOL	REMARKS
2+37.8	NB LOUISIANA				1	
6+56.53	SB LOUISIANA				1	
7+65.67	NB LOUISIANA				1	
11+82.5	SB LOUISIANA				1	
12+93.14	NB LOUISIANA				1	
17+12.17	SB LOUISIANA				1	
18+26.65	NB LOUISIANA				1	
21+21.49	NB LOUISIANA - EB SIGNAL	1				
21+21.49	NB LOUISIANA - WB SIGNAL		1			
21+94.93	NB LOUISIANA - EB SIGNAL			1		
21+95.04	NB LOUISIANA - WB SIGNAL			1		
22+39.42	SB LOUISIANA				1	
22+54.18	NB LOUISIANA - EB SIGNAL	1				
22+54.24	NB LOUISIANA - WB SIGNAL		1			
	SUBTOTAL	2	2	2	8	
	USE (EACH)	2	2	2	8	

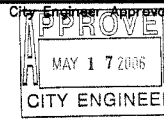
AS-BUILT

NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.



 CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION
TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE
PERMANENT STRIPING - QUANTITIES



City Project No.	7432-91	Zone Map No.	C18-19	Sheet	39	Of	49
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May 12, 2006 - 2:34pm

PERMANENT SIGNING - SUMMARY OF QUANTITIES

SIGN CODE	NO. OF SIGNS	TOTAL SIGN AREA SQ FT	POST LENGTHS				MOUNTING REQUIREMENTS							BASE POSTS	
							U-CHANNEL			SQUARE TUBE POST					
			LEFT (FT.)	CENTER (FT.)	RIGHT (FT.)	TOTAL (FT.)	2.5 LB/FT	3.00 LB/FT	4.00 LB/FT	1.75"X 1.75" 12 ga.	2.0"X 2.0" 12 ga.	2.25"X 2.25" 12 ga.	NO.	TOTAL LENGTH (FT.)	
D3-SP-1	2	3.50											*		
D3-SP-2	2	3.00											*		
D3-SP-3	4	6.00											*		
D3-SP-4	14	28.00											*		
D3-SP-5	2	3.00											*		
D3-SP-6	4	7.00											*		
R3-17	2	10.00		12.33		24.67				x			2	6	
R3-17a	1	2.50											*		
R3-17b	1	2.50											*		
R1-1	7	43.75		12.33		86.33				x			7	21	
R3-7R	2	12.50		12.33		24.67				x			2	6	
R2-1	2	10.00		12.33		24.67				x			2	6	
TOTAL		131.75					160.33								39
USE		140					170								40

* SIGN TO BE MOUNTED ON COMMON POST WITH ANOTHER SIGN

OBJECT MARKER - SUMMARY OF QUANTITIES

HAZARD MARKER CODE	NO. OF HAZARD MARKERS	POST LENGTHS				MOUNTING REQUIREMENTS						BASE POSTS	
						U-CHANNEL			SQUARE TUBE POST				
	EACH	LEFT	CENTER	RIGHT	TOTAL	2.5	3.00	4.00	1.75"X 1.75"	2.0"X 2.0"	2.25"X 2.25"	NO.	TOTAL LENGTH
						LB/FT	LB/FT	LB/FT	12 ga.	12 ga.	12 ga.		
OM2-1H	8		4.00		32.00	x						8	28
TOTAL	8.00				32.00								28
USE	8				40								30

* U-CHANNEL POST QUANTITIES INCLUDED IN PAY ITEM 450.010, SQUARE TUBE STEEL POST AND BASE POST FOR PANEL SIGNS

AS-BUILT

NOTICE OF EXTENDED PAYMENT PROMOTION
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITH IN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST

HDR 2155 LOUISIANA BLVD., NE SUITE 9000 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS CARMEL AVE. TO SIGNAL AVE PERMANENT SIGNING - QUANTITIES	
DESIGNED BY: REL	DATE: 12/29/05	CHECKED BY: PJB	DATE: 12/29/05
DRAWN BY: JLS	DATE: 12/29/05	CHECKED BY: PJB	DATE: 12/29/05
DESIGN REVIEW COMMITTEE APPROVED MAY 1 7 2006 DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL APPROVED MAY 1 7 2006 CITY ENGINEER	
City Project No.	7432-91	Zone Map No.	C18-19
Sheet	40	Of	49



SURVEY INFORMATION	
FIELD NOTES	DATE
NO.	BY

BENCH MARKS	
THE STA. MARK IS A STANDARD USDEGS BRASS TABLET STAMPED "HEAVEN 1969". TO REACH THE STA. GO NORTH ON WYOMING TO PASSED DEL NORTE WEST ON PASSED DEL NORTE 0.15 MI TO STA ON THE LEFT. X=407,001.31, Y=1,516,737.03, EL.=5378.79, GRN TO GRID FACTOR .99985263 (3RD ORDER).	DATE

AS-BUILT INFORMATION	
CONTRACTOR: MERRILL STARR DATE: 12/06	WORKED BY: ACCURATE SURVEY DATE: 9/06
INSPECTOR: COA CONSULTING DATE: 12/06	APPROVED BY: COA CONSULTING DATE: 12/06
DRAWN BY: HDR INC. DATE: 5/07	CHECKED BY: HDR INC. DATE: 5/07
MICRO-FILM INFORMATION	
RECORDED BY:	DATE:
NO.	

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Drawing Name: P:\21675-COA Louisiana V.6.0 PDEV\6.1 CAD\6.1.5 Submittal\FINAL\21675LT01.dwg

LIGHTING NOTES

- THE RELOCATION OF POWER POLES AND THE INSTALLATION OF STREET LIGHT LUMINAIRES ON THE WEST SIDE OF LOUISIANA BLVD. WILL BE COMPLETED BY PNM ELECTRIC COMPANY. CONTRACTOR WILL NOT BE ALLOWED TO BID ON THESE ITEMS.
- LOCATIONS OF CONDUIT, FOUNDATIONS, PULL BOXES, AND CONTROL 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. ALL SUCH EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT OF WAY.
- CONTRACTOR SHALL REMOVE EXISTING CONDUITS AND PULL BOXES THROUGHOUT THE PROJECT AS DIRECTED BY PROJECT MANAGER.
- ALL ROADWAY LUMINAIRES AND WOODEN POLES SHALL BE REMOVED BY PNM ELECTRIC COMPANY.
- EACH TIME A ROADWAY LUMINAIRE, IS TURNED ON OR OFF THE CONTRACTOR SHALL COORDINATE WITH THE FOLLOWING REPRESENTATIVES:

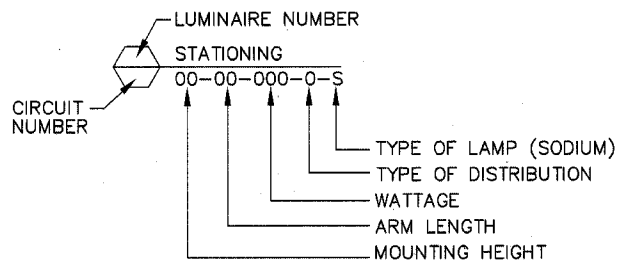
PNM ELECTRIC COMPANY
CITY OF ALBUQUERQUE
- POWER SHALL NEITHER BE TURNED ON OR OFF UNTIL RESPONSIBLE PARTIES FOR EACH LIGHTING SYSTEM HAVE BEEN NOTIFIED.
- ROADWAY LIGHTING SYSTEM SHALL BE ACCEPTED AND MAINTAINED BY THE CITY OF ALBUQUERQUE AND PNM ELECTRIC COMPANY. THE CONTRACTOR SHALL PROVIDE PNM ELECTRIC COMPANY FIVE (5) WORKING DAYS NOTICE IN ADVANCE OF TURNING ON THE SYSTEM TO ALLOW CITY OF ALBUQUERQUE AND PNM ELECTRIC COMPANY TO INSPECT AND APPROVE THE SYSTEM BEFORE IT IS TURNED ON.
- ALL LUMINAIRES SHALL INCLUDE PHOTO ELECTRIC CELLS.
- ALL ROADWAY LUMINAIRES SHALL BE TYPE II, 250 WATT, HIGH PRESSURE SODIUM, FULL CUTOFF FLAT GLASS LUMINAIRES WITH INDIVIDUAL PHOTO CELLS AND BACKPLATES TO CONFORM WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT. REFER TO CITY OF ALBUQUERQUE STANDARD DRAWING 2581 FOR INSTALLATION AND POLE DETAILS. FOR FOUNDATION AND MISCELLANEOUS DETAILS, REFER TO CITY OF ALBUQUERQUE STANDARD DRAWING 2580.
- THE CONTRACTOR SHALL ARRANGE A NIGHT INSPECTION OF THE LIGHTING SYSTEM WITH THE PROJECT MANAGER, CITY OF ALBUQUERQUE AND PNM ELECTRIC COMPANY TO ENSURE COMPLIANCE WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT AND PROPER LEVELING OF LUMINAIRE HEADS.
- LIGHTING IS TO BE SERVED BY METER PEDESTAL. REFER TO CITY OF ALBUQUERQUE STANDARD DRAWING 2572 FOR DETAILS.
- THE CONTRACTOR SHALL REMOVE EXISTING SERVICE RISERS, SERVICE POLES, CONTROL CABINETS, AND EXISTING WIRING AS REQUIRED BY PNM ELECTRIC COMPANY AND AS DIRECTED BY THE PROJECT MANAGER.
- LIGHTING SHALL BE LOCATED AS FOLLOWS:
 - WOODEN POLES, PLACED DIRECTLY BEHIND WESTERN OUTSIDE CURB LINE AS SHOWN IN LIGHTING PLANS. (PNM TO PERFORM WORK)
 - ALUMINUM LUMINAIRES, PLACED DIRECTLY BEHIND EASTERN CURB LINE AS SHOWN IN LIGHTING PLANS.
- PNM ELECTRIC COMPANY WILL ASSIST WITH IDENTIFICATION OF EXISTING CIRCUITS. CONTRACTOR SHALL BE REQUIRED TO TIE THE NEW CIRCUITS INTO EXISTING CIRCUITS. CONTRACTOR SHALL USE APPROPRIATE CAUTION WHEN INTERCEPTING EXISTING CIRCUITS.

LIGHTING NOTES (CONTINUED)

- LIGHTS NEAR EXISTING OVERHEAD TRANSMISSION LINES MUST MAINTAIN VERTICAL CLEARANCE AND HORIZONTAL CLEARANCE FROM THE CLOSEST PHASE CONDUCTOR. THE LOCAL POWER COMPANY WILL ASSIST IN MEASUREMENT AND DETERMINATION OF CLEARANCE.
- LIGHTING WILL BE COMPLETED WITH CONSTRUCTION PHASING, REFER TO SHEETS 19 TO 32. NEW LIGHTING SHALL BE OPERATIONAL PRIOR TO OPENING ROADWAY TO TRAFFIC.

LIGHTING LEGEND

NEW	EXISTING	ITEM
		LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
		WOOD POLE WITH LUMINAIRE AS INDICATED
		LIGHTING STANDARD WITH DOUBLE ARM LUMINAIRE AS INDICATED
---	---	CONDUIT RUN
		PULL BOX
		JUNCTION BOX
		SERVICE POLE WITH SERVICE RISER
		LIGHTING CONTROL CABINET
		METER PEDESTAL



LIGHTING INCIDENTAL ITEMS

- COSTS FOR LOCAL POWER COMPANY TO PROVIDE POWER SERVICE.

AS-BUILT

NOTICE OF EXTENDED PAYMENT PROVISION
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

HDR

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

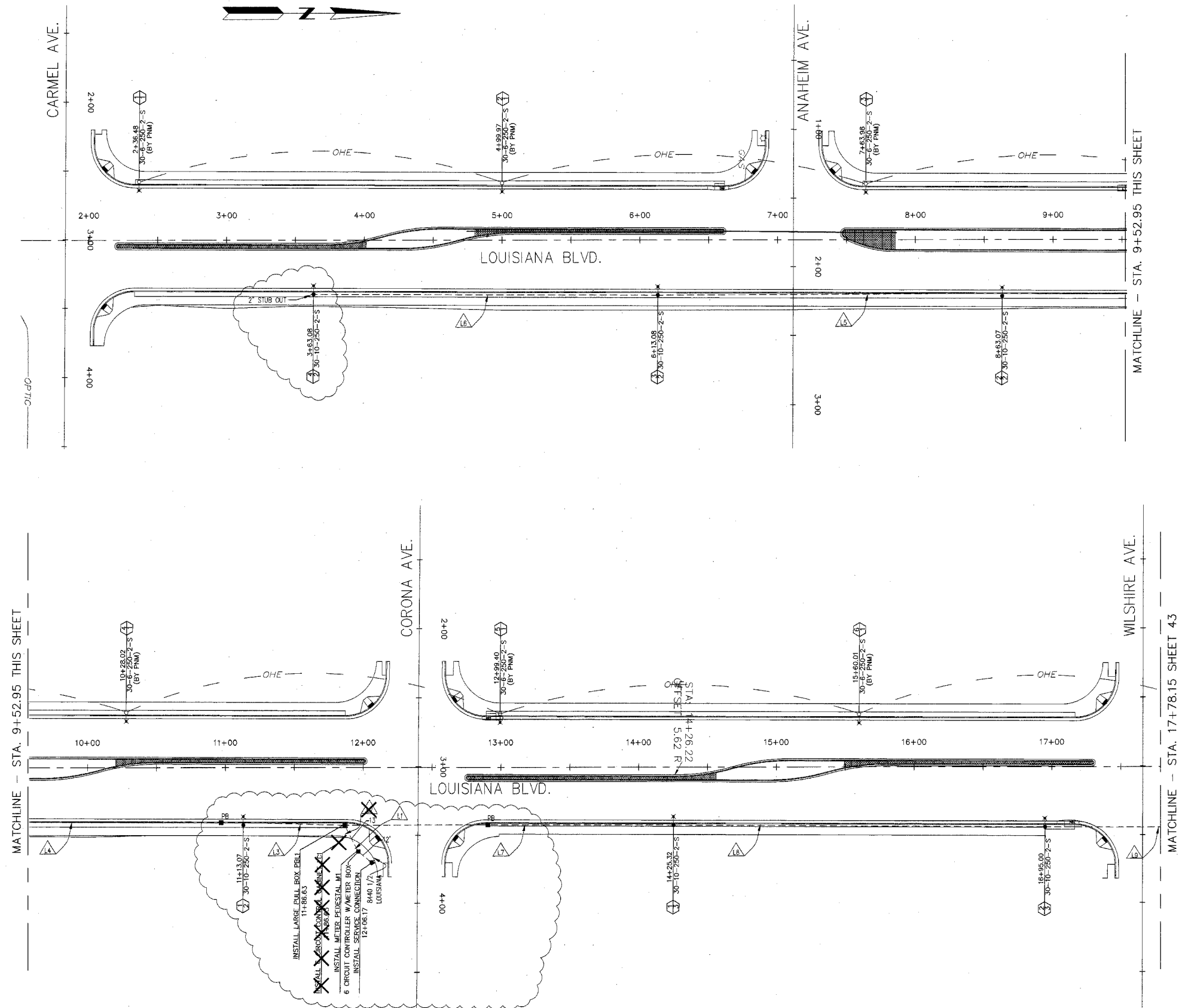
TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE.
LIGHTING PLANS

Design Review Committee
APPROVE
MAY 1 7 2006
DESIGN REVIEW COMMITTEE

City Engineer Approval
APPROVE
MAY 1 7 2006
CITY ENGINEER

REVISIONS
NO. DATE BY
1 12/29/05 JLS
2 12/29/05 PJB

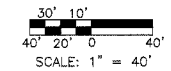
City Project No. 7432-91 Zone Map No. C18-19 Sheet 41 Of 49



SYMBOL KEY & ABBREVIATIONS

- LC1 LIGHTING CONTROL CABINET
- PBL1 PULL BOX NUMBER (LIGHTING)
- ALL PIPE IS 2 INCH PVC CONDUIT RUN ID (LIGHTING)
- OHE- OVER HEAD ELECTRIC
- ALL WIRE IS 2 # 2'S AND 1 #8 UNDERGROUND ELECTRIC
- OVERHEAD CABLE RUN ID (LIGHTING)
- SERVICE POLE WITH SERVICE RISER
- M1 METER PEDESTAL

NOTE:
LUMINAIRES ARE AT A HEIGHT OF 30'
AND SPACING OF APPROXIMATELY 250'.



AS-BUILT

NOTICE OF EXTENDED PAYMENT PROVISION
THIS CONTRACT ALLOWS THE OWNER TO
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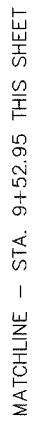
2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE
LIGHTING PLANS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of
7432-91	C18-19	42	49

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	THE STA. MARK IS A STANDARD USC&G BRASS TABLET STAMPED "HEAVEN 1987". TO REACH THE STA. CO NORTH ON WYOMING TO PASO DEL NORTE WEST ON PASO DEL NORTE 0.15 MI TO STA ON THE LEFT. X=407,051.31, Y=1,518,737.03, EL=5378.79, GRN TO GRID FACTOR .99965263 (3RD ORDER). NAD 1927	CONTRACTOR	MONTECALA STATE DATE 12/96
				STATIONED BY	ACCURATE SURVEY DATE 8/06
				DESIGNED BY	COA CONSULTING DATE 12/06
				FIELD	COA CONSULTING DATE 12/06
				PREPARED BY	COA CONSULTING DATE 12/06
				CHECKED BY	COA CONSULTING DATE 12/06
				RECORDED BY	COA CONSULTING DATE 12/06
					NO.

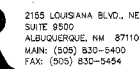


MATCHLINE - STA. 17+78.15 SHEET 43

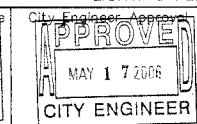
LC1	LIGHTING CONTROL CABINET
PBL1	PULL BOX NUMBER (LIGHTING)
	CONDUIT RUN ID (LIGHTING)
-OHE-	OVER HEAD ELECTRIC
- - - -	UNDERGROUND ELECTRIC
	OVERHEAD CABLE RUN ID (LIGHTING)
	SERVICE POLE WITH SERVICE RISER
M1	METER PEDESTAL

NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO
MAKE PAYMENT WITH IN 45 DAYS AFTER
SUBMISSION OF AN UNDISPUTED REQUEST



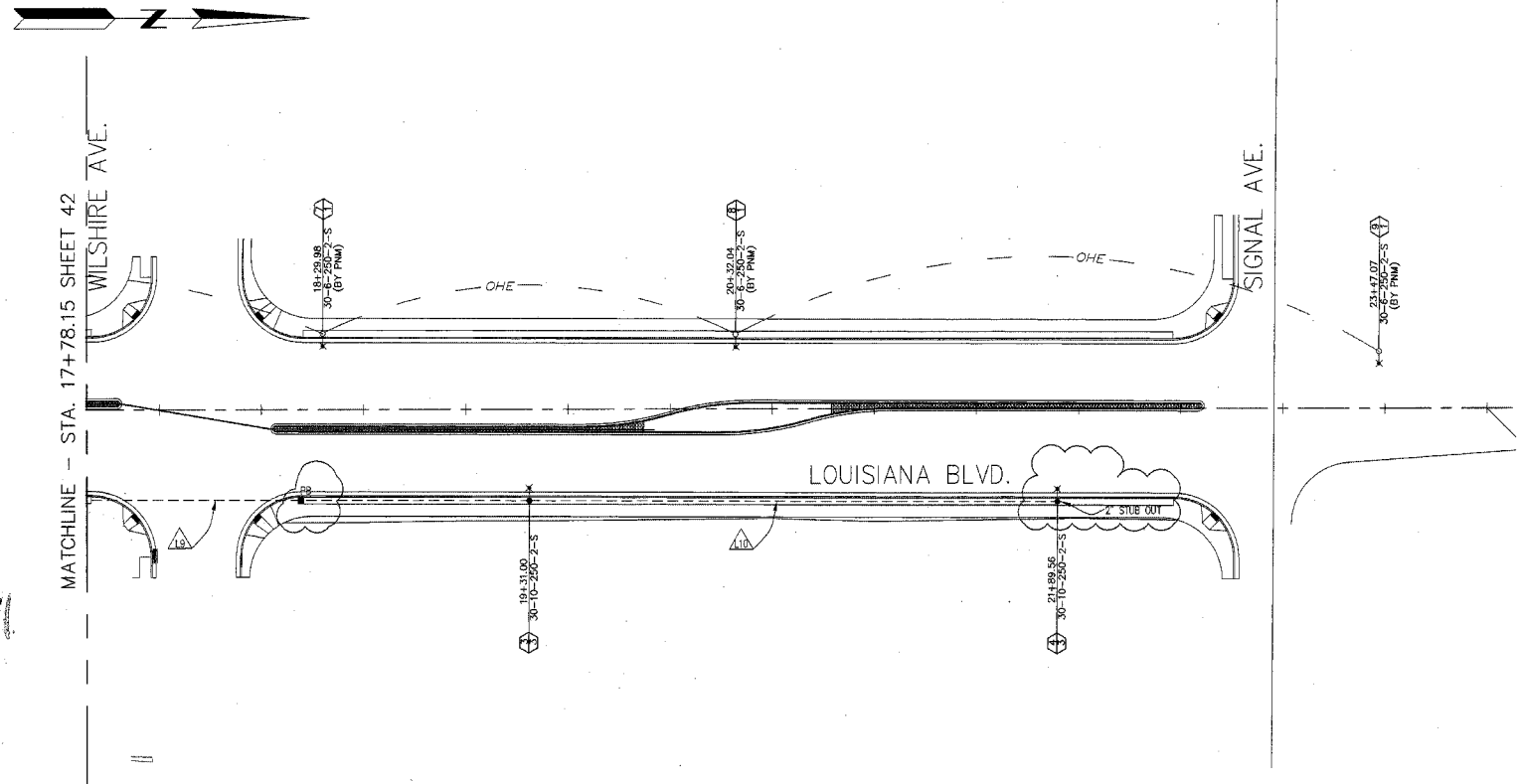
TITLE: **LOUISIANA BLVD. ROADWAY IMPROVEMENTS**
CARMEL AVE. TO SIGNAL AVE
LIGHTING PLANS



City Project No.	7432-91	Zone Map No.	C18-19	Sheet	42	Of	49
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ENGINEER'S SEAL						SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
						FIELD NOTES					
						NO.	BY	DATE			
									THE STA. MARK IS A STANDARD USCGC BRASS TARGET	CONTRACTOR	DATE
									STAMPED "HEAVEN 1969". TO REACH THE STA. GO NORTH ON	INSPECTOR'S	DATE
									WYOMING TO PASEO DEL NORTE WEST ON PASO DEL NORTE	FIELD FORCE BY	DATE
									0.15 MI TO STA ON THE LEFT. X=407,051.31, Y=-1,518,737.03,	FIELD	DATE
									EI=-5378.79; GRN TO GRID FACTOR .99965263 (3RD ORDER).	CONNECTED BY	DATE
									NAD 1927	MICRO-FILM INFORMATION	
										RECORDED BY	DATE
										NO.	

Date: May 09, 2007 - 2:39pm siguras Layout: 203310LT03
Drawing Name: P:\21675-COA Louisiana 06.00_Projct_Engineering_and_Design\6.0 FDC\6.1.5 Summary\AS-Built\21675LT03.dwg



SYMBOL KEY & ABBREVIATIONS

- LC1 LIGHTING CONTROL CABINET
- PBL1 PULL BOX NUMBER (LIGHTING)
- △_{LX} CONDUIT RUN ID (LIGHTING)
- OHE- OVER HEAD ELECTRIC
- UNDERGROUND ELECTRIC
- △_{OX} OVERHEAD CABLE RUN ID (LIGHTING)
- SERVICE POLE WITH SERVICE RISER
- M1 METER PEDESTAL

NOTE:
LUMINAIRES ARE AT A HEIGHT OF 30'
AND SPACING OF APPROXIMATELY
250'.

30' 10' 40'
SCALE: 1" = 40'

AS-BUILT

NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO
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SUBMISSION OF AN UNDISPUTED REQUEST

HDR

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
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FAX: (505) 830-8454



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

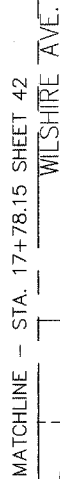
TITLE: **LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE**

LIGHTING PLANS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
7432-91	C18-19	43	49

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	FIELD NOTES	DATE	BY	CONTRACTOR	DATE
				CONTRACTOR: Mountain State	DATE: 12/06
				WORK: Accurate Survey	DATE: 8/06
				INSPECTORS: COA Const. Inc.	DATE: 12/06
				ACCEPTANCE BY: COA Const. Inc.	DATE: 12/06
				REVISIONS BY: HDR Inc.	DATE: 5/07
				CORRECTED BY: HDR Inc.	DATE: 5/07
				RECORDED BY: NAD 1927	DATE: 12/29/05
					DATE: 12/29/05



SIGNAL AVE.

LC1	LIGHTING CONTROL CABINET
PBL1	PULL BOX NUMBER (LIGHTING)
	CONDUIT RUN ID (LIGHTING)
-OHE-	OVER HEAD ELECTRIC
---	UNDERGROUND ELECTRIC
	OVERHEAD CABLE RUN ID (LIGHTING)
	SERVICE POLE WITH SERVICE RISER
M1	METER PEDESTAL

30' 10'

40' 20' 0 40'

SCALE: 1" = 40'

HDR

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SUITE 9500
ALBUQUERQUE, NM 87110
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FAX: (505) 830-5454



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

LIGHTING PLANS

APPROVED
MAY 17 2006
CITY ENGINEER

7432-91

Zone Map No.	Sheet	Of
C18-19	43	49

Date: Jan 04, 2006 - 1:47pm dierchaz Layout: 203310.T01
Drawing Name: P:\21675-COA Louisiana V6.0 PDEV\6.1 CAD\6.1.3 Submitted\FINAL\21675L T05_updated.dwg

LIGHTING CONDUIT AND CONDUCTOR REQUIREMENTS

CONDUIT LENGTH, SIZE AND TYPE				
RUN ID	CONDUIT SIZE / LENGTH (FT.) 2"	TYPE	REMARKS	** SCC #10 (# @ FT.)
L1	29.21	* REC	POWER TO LC1	29.21
L2	13.61	* REC	LC1 TO PBL1	13.61
L3	76.48	* REC	PBL2 TO LUM 1/2	113.48
L4	253.00	* REC	LUM 1/2 TO LUM 2/2	290.00
L5	252.99	* REC	LUM 2/2 TO LUM 3/2	289.99
L6	253.00	* REC	LUM 3/2 TO LUM 4/2	290.00
L7	241.69	* REC	PBL2 TO LUM 1/3	278.69
L8	272.68	* REC	LUM 1/3 TO LUM 2/3	309.68
L9	239.00	* REC	LUM 2/3 TO LUM 3/3	276.00
L10	261.56	* REC	LUM 3/3 TO LUM 4/3	298.56
TOTAL	1893.22			2189.22
USE	1900			2200

- * RIGID ELECTRICAL CONDUIT
** SINGLE CONDUCTOR CABLE

LUMINAIRE SCHEDULE

STATION	LOCATION	TYPE	QUANTITY (EACH)
2+36.48	42.56 L	250 W HPS, TYPE II	1 *
3+63.07	39.50 R	250 W HPS, TYPE II	1
4+99.96	41.59 L	250 W HPS, TYPE II	1 *
6+13.06	40.31 R	250 W HPS, TYPE II	1
7+63.98	40.80 L	250 W HPS, TYPE II	1 *
8+63.06	41.12 R	250 W HPS, TYPE II	1
10+28.02	39.89 L	250 W HPS, TYPE II	1 *
11+13.06	41.92 R	250 W HPS, TYPE II	1
12+99.42	38.93 L	250 W HPS, TYPE II	1 *
14+25.32	42.18 R	250 W HPS, TYPE II	1
15+60.01	38.24 L	250 W HPS, TYPE II	1 *
16+95.00	43.80 R	250 W HPS, TYPE II	1
18+29.98	37.41 L	250 W HPS, TYPE II	1 *
19+31.00	44.56 R	250 W HPS, TYPE II	1
20+32.05	36.75 L	250 W HPS, TYPE II	1 *
21+89.56	45.39 R	250 W HPS, TYPE II	1
23+47.07	28.00 L	250 W HPS, TYPE II	1 *
TOTAL			17

- * INSTALLATION BY PNM

LIGHTING QUANTITIES (ESTIMATED)

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	USE
421.006	SERVICE RISER (LIGHTING), CIP	EACH	1	1
421.011	METER PEDESTAL (LIGHTING), CIP	EACH	1	1
421.016	SERVICE CONNECTION (LIGHTING), CIP	EACH	1	1
421.025	LIGHT CONTROL CABINET, SIX CIRCUIT, METERED, CIP	EACH	1	1
422.032	STREET LIGHT STANDARD, SINGLE ARM, 30' (TYPE V, DAVIT), CIP	EACH	8	8
423.020	LUMINAIRE FOUNDATION FOR LUMINAIRE HEIGHT OF 30' OR LESS, CIP	EACH	8	8
424.005	ELECTRICAL CONDUIT, 2", INCL. TRENCHING, BACKFILL & PATCHING, CIP	LIN FT	1893.22	1900
425.003	ELECTRICAL PULL BOX (LARGE), CIP	EACH	1	1
426.005	SINGLE CONDUCTOR, #10, CIP	LIN FT	2189.22	2200
432.001	ROADWAY LUMINAIRE, TYPE 250S, CIP	EACH	17	17

- * 9 OF THE 17 LUMINAIRES ALONG LOUISIANA BOULEVARD TO BE INSTALLED BY PNM

NOTICE OF EXTENDED PAYMENT PROVISION
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SUBMISSION OF AN UNDISPUTED REQUEST

HDR
2155 LOUISIANA BLVD., NE
SUITE 9000
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE
LIGHTING PLANS - QUANTITIES

Design Review Committee
APPROVED
MAY 17 2006
DESIGN
REVIEW COMMITTEE

City Engineer Approval
APPROVED
MAY 17 2006
CITY ENGINEER

Last Design Update
Mo./Day/Yr.
Mo./Day/Yr.

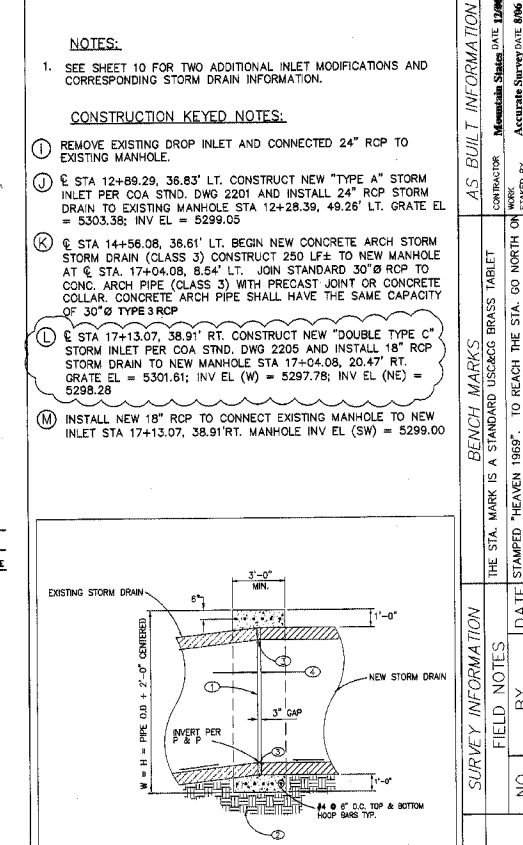
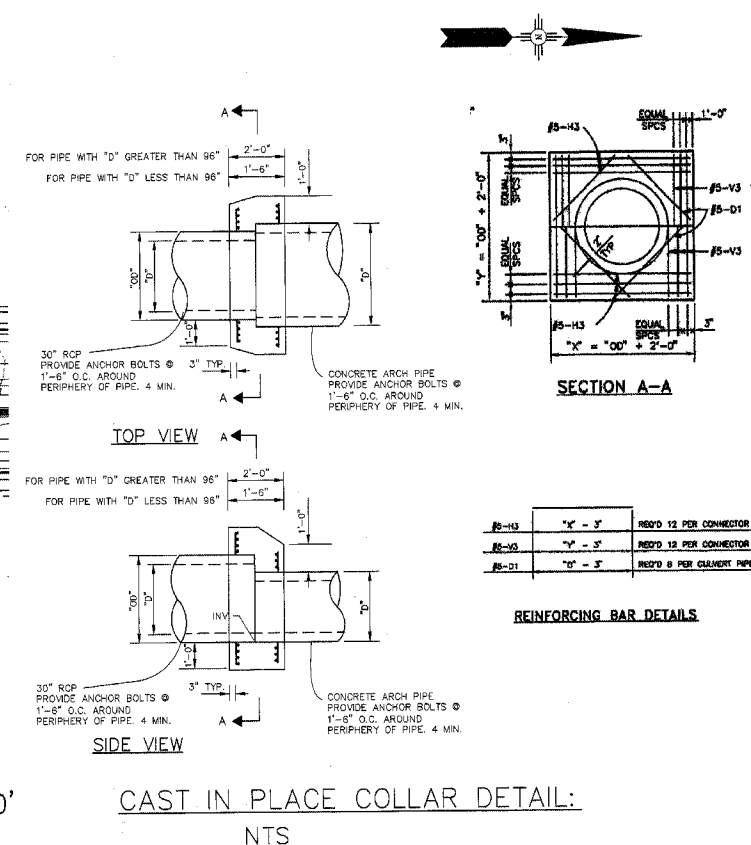
City Project No. 7432-91 Zone Map No. C18-19 Sheet 44 Of 49



ENGINEER'S SEAL
SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REVISIONS
NO. DATE REMARKS
BY
DESIGNED BY: REL DATE: 12/29/05
DRAWN BY: JLS DATE: 12/29/05
CHECKED BY: PJB DATE: 12/29/05

BENCH MARKS
THE STA. MARK IS A STANDARD US2000 BRASS TABLET
STAMPED "HEAVEN 1989". TO REACH THE STA. GO NORTH ON
WYOMING TO PASSED DEL NORTE WEST ON PASO DEL NORTE
0.15 MI TO STA ON THE LEFT. X=407,051.31, Y=1518,757.03,
E.L.=5378.79, GRN TO GRID FACTOR .99982563 (3RD ORDER).
NAD 1927
AS BUILT INFORMATION
CONTRACTOR DATE
WORK BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
DRAWINGS BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

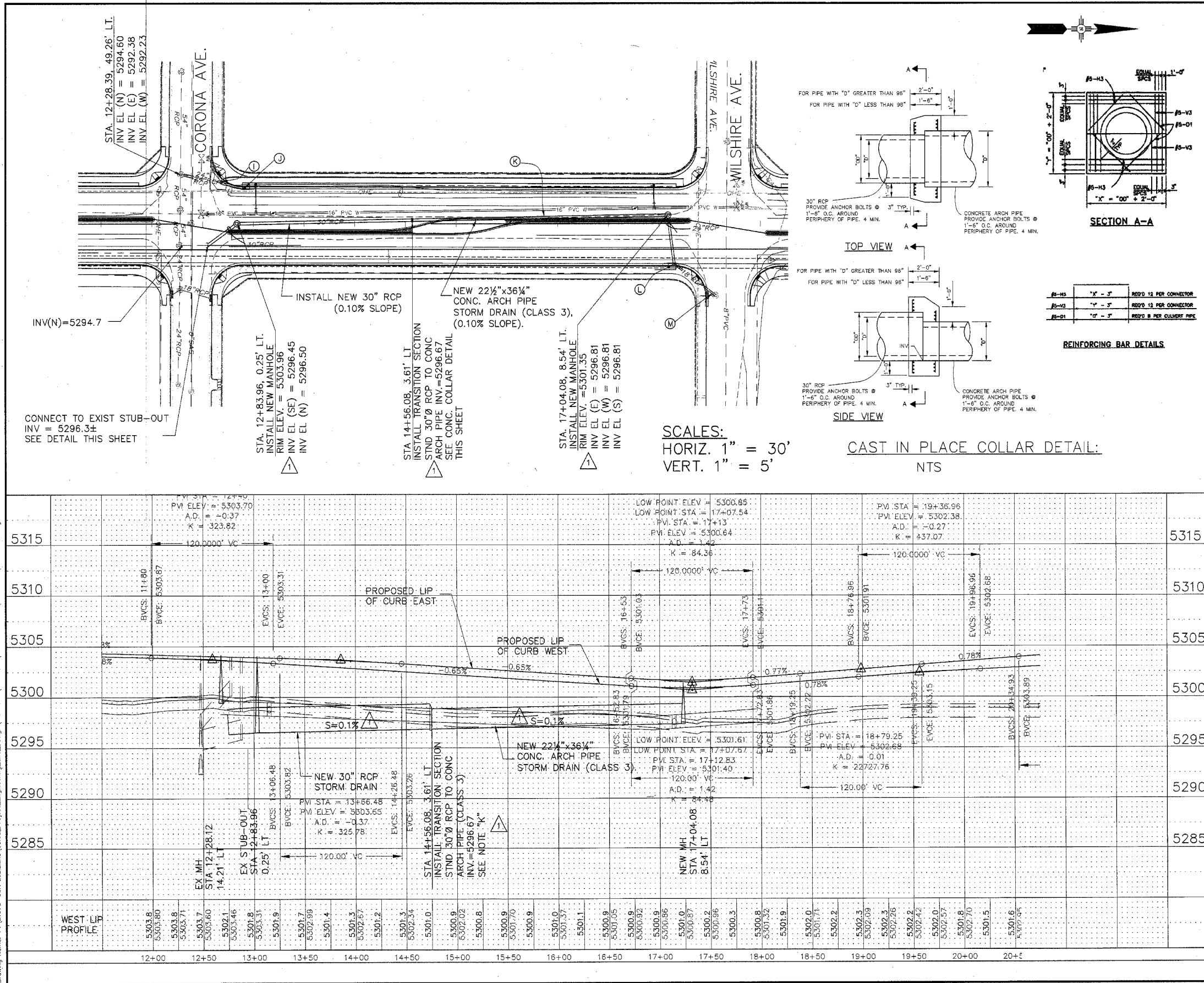


AS-BUILT

NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO
MAKE PAYMENT WITH IN 45 DAYS AFTER
SUBMISSION OF AN UNDISPUTED REQUEST
FOR PAYMENT.

[illegible]



NOTES:

1. SEE SHEET 10 FOR TWO ADDITIONAL INLET MODIFICATIONS AND CORRESPONDING STORM DRAIN INFORMATION.

CONSTRUCTION KEYED NOTES:

① REMOVE EXISTING DROP INLET AND CONNECTED 24" RCP TO EXISTING MANHOLE.

② STA 12+89.29, 36.83' LT. CONSTRUCT NEW "TYPE A" STORM INLET PER COA STND. DWG 2201 AND INSTALL 24" RCP STORM DRAIN TO EXISTING MANHOLE STA 12+28.39, 49.26' LT. GRATE EL = 5303.38; INV EL = 5299.05

③ STA 14+56.08, 36.81' LT. BEGIN NEW CONCRETE ARCH STORM STORM DRAIN (CLASS 3) CONSTRUCT 250 LF± TO NEW MANHOLE AT STA 17+04.08, 8.54' LT. JOIN STANDARD 30" RCP TO CONC. ARCH PIPE (CLASS 3) WITH PRECAST JOINT OR CONCRETE COLLAR. CONCRETE ARCH PIPE SHALL HAVE THE SAME CAPACITY OF 30" TYPE 3 RCP

④ STA 17+13.07, 38.91' RT. CONSTRUCT NEW "DOUBLE TYPE C" STORM INLET PER COA STND. DWG 2205 AND INSTALL 24" RCP STORM DRAIN TO NEW MANHOLE STA 17+04.08, 20.47' RT. GRATE EL = 5301.61; INV EL (W) = 5297.78; INV EL (NE) = 5298.28

⑤ INSTALL NEW 18" RCP TO CONNECT EXISTING MANHOLE TO NEW INLET STA 17+13.07, 38.91' RT. MANHOLE INV EL (SW) = 5299.00

REINFORCING BAR DETAILS

Bar	Size	Spacing	Notes
#5-HS	"X" - 5"	REQ'D 12 PER CONNECTOR	
#5-VS	"Y" - 5"	REQ'D 12 PER CONNECTOR	
#5-D1	"X" - 5"	REQ'D 8 PER CULVERT PIPE	

CONCRETE COLLAR ON EXISTING STORM DRAIN

SCALE: NONE

KEYED NOTES:

① SAWCUT EXISTING RCP AT SPECIFIED STATION TO CONSTRUCT COLLAR.

② 12" SUBGRADE COMPACTED TO 95% ASTM D-1557

③ MASTIC AND/OR GROUT FOR WATER TIGHT SEAL.

④ GAP NOT TO EXCEED 3".

NOTICE OF EXTENDED PAYMENT PROVISION

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITH IN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

HDR

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
PHONE: (505) 830-5400
FAX: (505) 830-5454

CITY OF ALBUQUERQUE

MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE
STORM DRAIN PLAN AND PROFILE

Design Review Committee City Engineer Approval

City Project No. 7432-91 Zone Map No. C18-19 Sheet 45 of 49

AS BUILT INFORMATION

CONTRACTOR: [Blank] DATE: 12/06
INSPECTED BY: [Blank] DATE: 12/06
DRAWN BY: [Blank] DATE: 12/06
CHECKED BY: [Blank] DATE: 12/06
RECORDED BY: [Blank] DATE: 12/06

ENGINEER'S SEAL

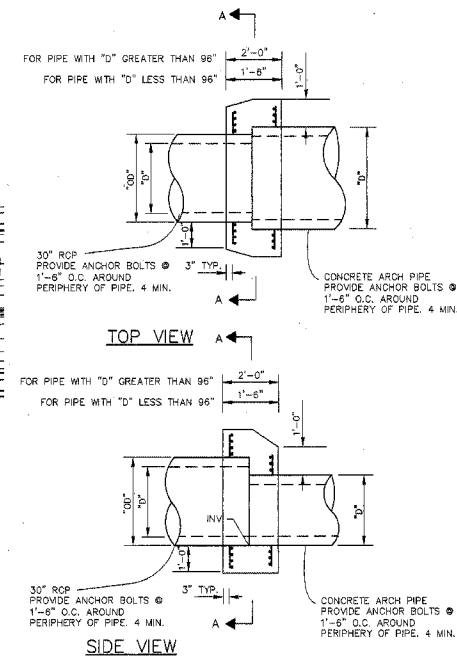
Professional Engineer
No. 17629
Exp. 12/29/05

REVISIONS

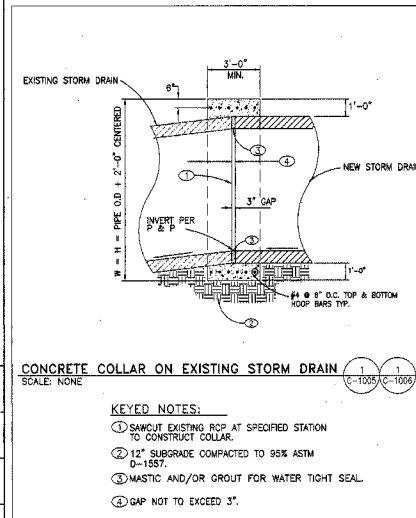
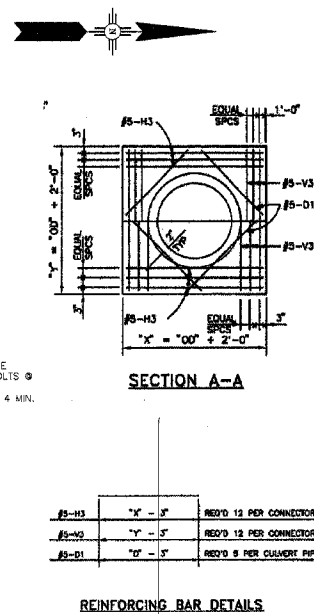
NO.	DATE	REMARKS	BY	KB
1	09/06	REVISE PROFILE		

DESIGNED BY: PJB
DRAWN BY: DAS
CHECKED BY: EJM

DATE: 12/29/05
DATE: 12/29/05
DATE: 12/29/05



CAST IN PLACE COLLAR DETAIL:
NTS



NOTICE OF EXTENDED PAYMENT PROVISION

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 CITY OF ALBUQUERQUE
 MUNICIPAL DEVELOPMENT DEPARTMENT
 TRANSPORTATION DEVELOPMENT DIVISION
TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE
STORM DRAIN PLAN AND PROFILE

Design Review Committee

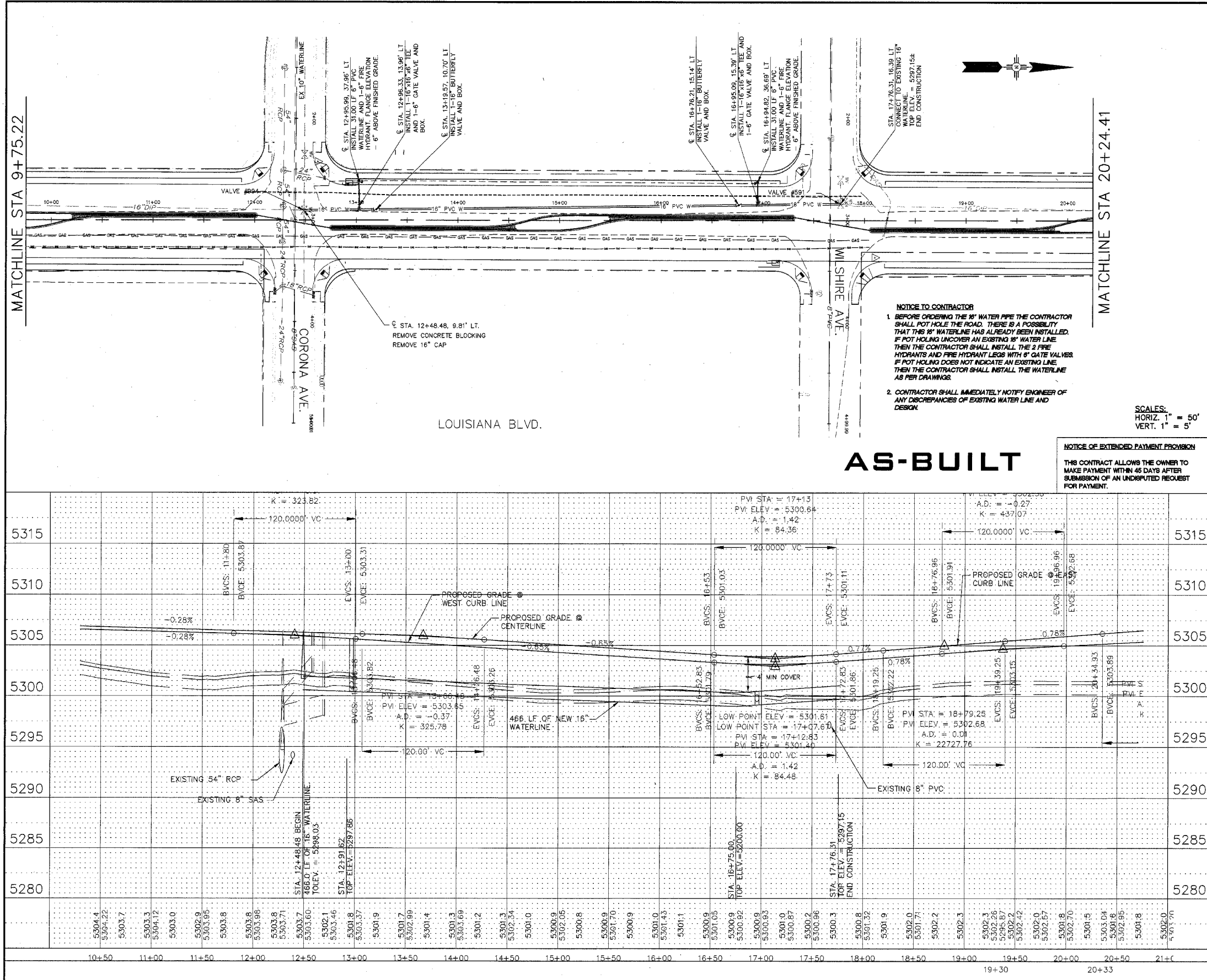
APPROVED

1 MAY 1 1990

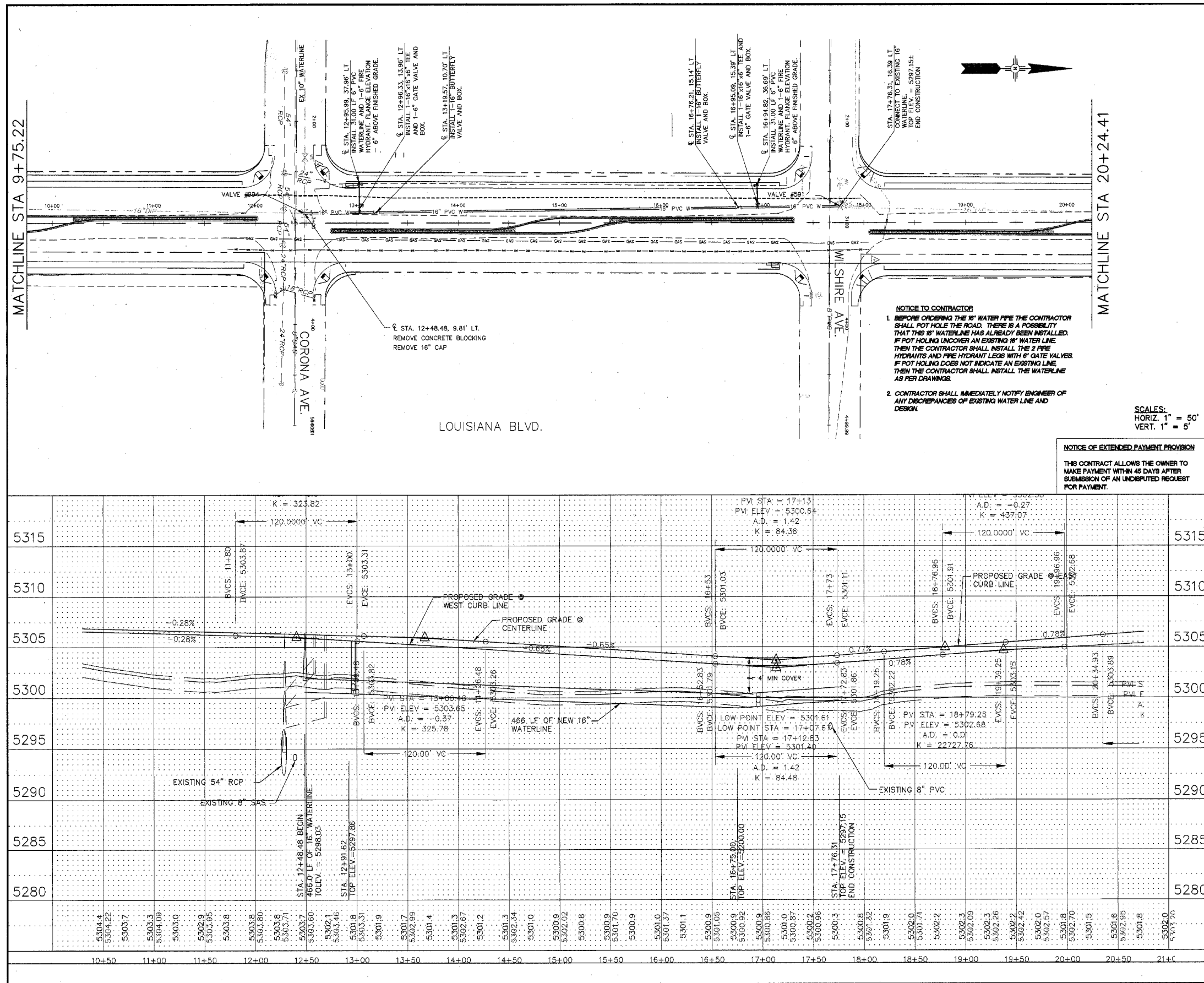
DESIGN
REVIEW COMMITTEE

City Engineer Approval
APPROVED
MAY 17 2006
CITY ENGINEER

[illegible]



Date: May 15, 2008 - 10:00am
Drawing Name: P:\1675-COA Louisiana\6.0 REV\6.1 CAD\6.1.5 Submittal\FINAL\21675W01_r_5-11-06.dwg
Author: J. B. Bland
CADD: J. B. Bland



WATER LINE CONSTRUCTION NOTES

NOTE: ALL STATIONS AND OFFSETS ARE BASED ON LOUISIANA BLVD. ALIGNMENT.

1. INSTALL MECHANICAL RESTRAINT JOINTS ON ALL WATERLINE.
2. CONSTRUCT ALL VALVE BOXES PER COA VALVE BOX DETAIL NO 2325.
3. CONSTRUCT ALL FIRE HYDRANTS PER DESIGNATED DEPTHS AND LENGTHS PER STD. DWG. 2340. USED FULL RESTRAINT ON FIRE HYDRANT LEGS FROM MAIN TO FIRE HYDRANT FLANGE.
4. CONSTRUCT ALL SINGLE AND DOUBLE WATER SERVICE LINES PER STD. DWG 2361, 2362 AND 2363.
5. ALL WATERLINES SHALL BE C-800 PVC TO 12" AND C-905 PVC 16", UNLESS OTHERWISE NOTED.
6. FIRE HYDRANTS, PER COA SD 2340.

WATER SHUT OFF PLAN

CONST. AT CORONA
1. SHUT OFF VALVE (16")
No. 993

CONST. AT WILSHIRE AVE.
1. SHUT OFF VALVES (8")
No. 611, 931, 932
2. SHUT OFF VALVES (16")
No. 591

WATERLINE RESTRAINT TABLES

LENGTH OF RESTRAINT FOR TEES (FT)	
BRANCH SIZE	16" x 16" x BRANCH*
6"	AT FITTING
16"	40'

* EACH RUN PIPE SHALL HAVE MINIMUM 10' W/O JOINTS ON EACH SIDE OF BRANCH.

LENGTH OF RESTRAINED PIPE (FEET) FOR HORIZONTAL BENDS				
PIPE SIZE	90°	45°	22-1/2°	11-1/4°
6"	20'	20'	20'	20'
16"	40'	20'	20'	20'

NOTE: RESTRAINING GLANDS SHALL BE USED AT ALL FITTINGS AND THE CONNECTIONS SHALL BE RESTRAINED WITH HARNESSES

LENGTH OF RESTRAINED PIPE (FEET) FOR REDUCERS			
PIPE SIZE	PIPE SIZE	SMALL SIDE	LARGE SIDE
16"	6"	100'	100'

WATER PLAN AND PROFILE

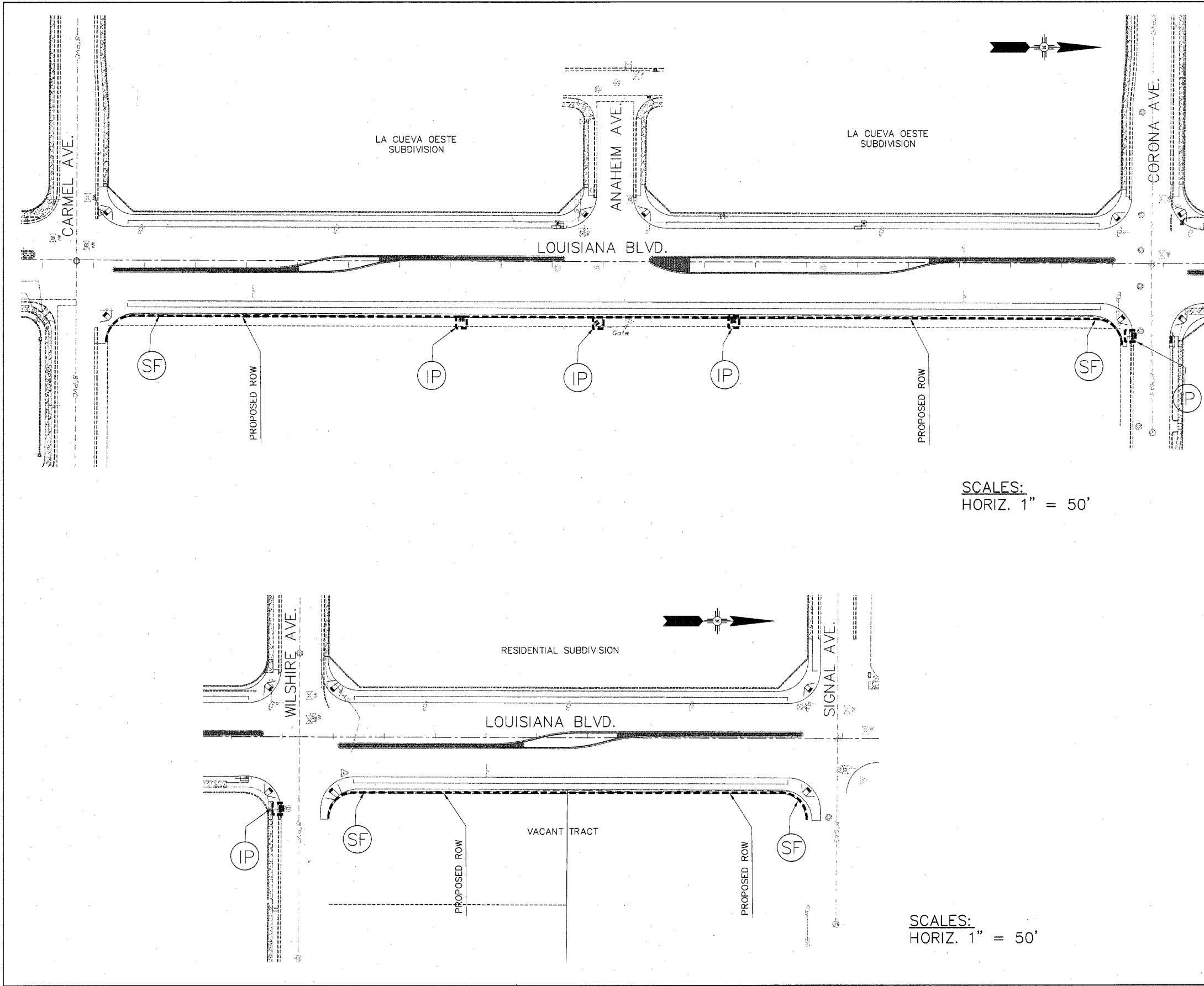
City Project No. 7432-91
Zone Map No. C18-19
Sheet 46 of 49

DESIGN REVIEW COMMITTEE
CITY ENGINEER

DESIGNED BY: FJB
DRAWN BY: DAS
CHECKED BY: EJM

DATE: 12/29/05
DATE: 12/29/05
DATE: 12/29/05

Date: Feb 17, 2006 -- 9:34am c:\sanchez Layout: Layout1
Drawing Name: P:\21675-COA Louisiana\6.0 DEV\6.1 CAD\6.1.5 Submittal\FINAL\EVRO_1.dwg



LEGEND:

- (SF) SILT FENCE
(IP) INLET PROTECTION

SEE SHEETS 48 AND 49 FOR
EROSION CONTROL DETAILS

SCALES:
HORIZ. 1" = 50'

SCALES:
HORIZ. 1" = 50'

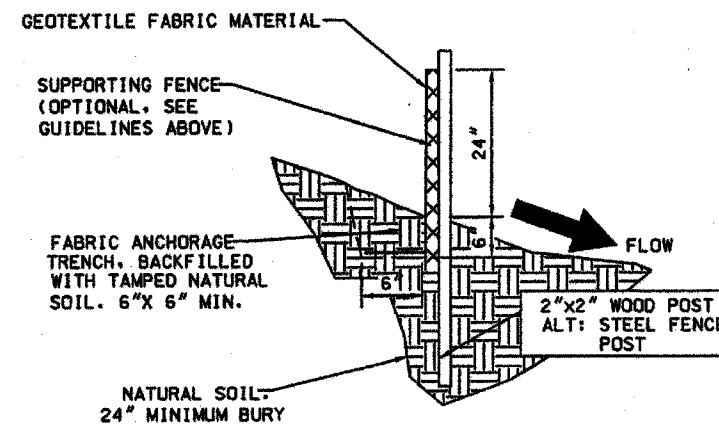
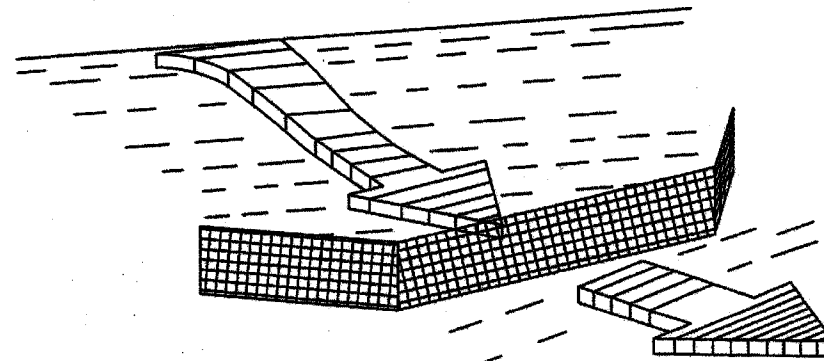
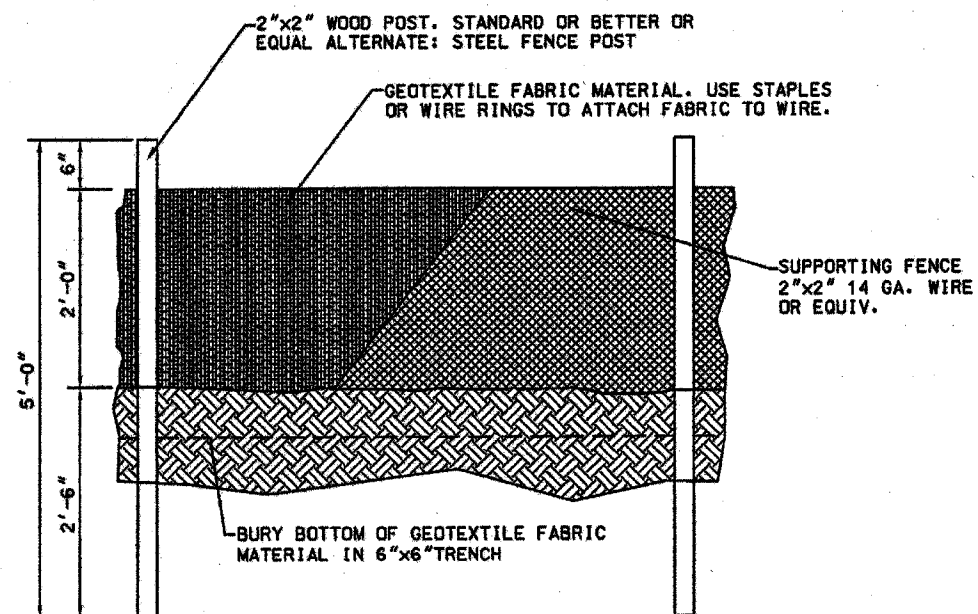
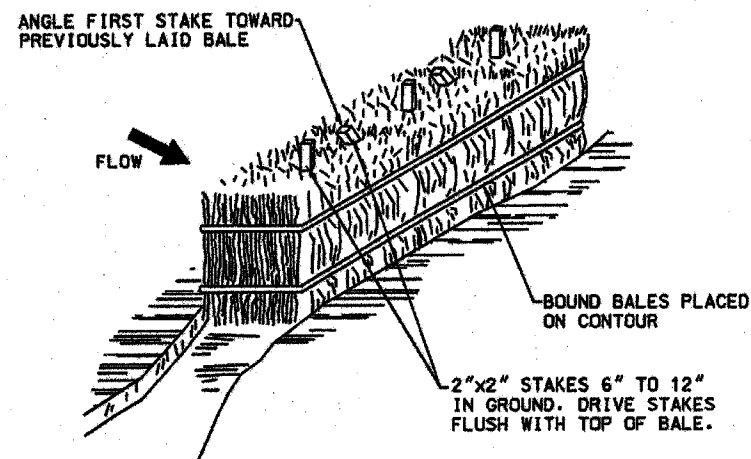
HDR
2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
PHONE: (505) 830-5400
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION
TITLE: **LOUISIANA BLVD. ROADWAY IMPROVEMENTS
CARMEL AVE. TO SIGNAL AVE
EROSION AND SEDIMENT CONTROL PLAN**



City Project No. 7432-91 Zone Map No. C18-19 Sheet 47 Of 49

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES			THE STA. MARK IS A STANDARD US&CG BRASS TABLE STAMPED "HEAVEN 1969". TO REACH THE STA. GO NORTH ON WYOMING TO PASO DEL NORTE WEST ON PASO DEL NORTE 0.15 MI TO STA ON THE LEFT. X=+07.051.31, Y=+1.518.737.03. EL=-5378.79 GRN TO GRID FACTOR 99965263 (3RD ORDER). NAD 1927		CONTRACTOR	MANUAL STATE DATE
NO.	BY	DATE			WORK BY	DATE
					ACURATE SURVEYING	9/06
					ACCEPTANCE BY	COA CONST. DIV. DATE
					DESIGNED BY	COA CONST. DIV. DATE
					DRAWING BY	HDR INC. DATE
					CHECKED BY	DATE
					RECORDED BY	DATE
					NO.	



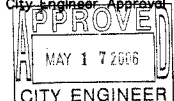
NOTES: SILT FENCE AND CHECK DAM

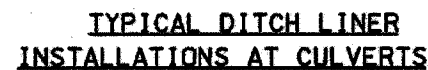
THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE POST SPACING FOR SILT FENCES TO MINIMIZE MAINTENANCE.

1. POST SPACING SHALL BE 4 FT. MAXIMUM WITHOUT SUPPORTING FENCE, 10 FT. MAXIMUM WITH SUPPORTING FENCE.
2. POSTS FOR 4 FT. MAXIMUM POST SPACING SHALL BE 2 INCH SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS, OR STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 2 LBS. PER. LINEAR FOOT.

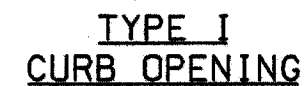
POSTS FOR 10 FT. MAXIMUM POST SPACING SHALL BE 4-INCH SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS, OR STEEL POSTS AS SPECIFIED ABOVE.

3. SUPPORTING FENCE SHALL BE WIRE MESH (14 GA. MIN., 1 INCH MAX. MESH OPENINGS), SNOW FENCE, PLASTIC FENCE OR APPROVED.
4. SUPPORTING FENCE SHALL BE FASTENED SECURELY TO POSTS WITH STAPLES OR WIRE TIES. GEOTEXTILE FABRIC SHALL BE FASTENED SECURELY TO SUPPORTING FENCE WITH WIRE TIES SPACED AT 2 FT. CENTERS ALONG THE TOP AND MID-SECTION. WHEN A SUPPORTING FENCE IS NOT USED, GEOTEXTILE FABRIC SHALL BE SECURELY FASTENED TO POSTS WITH STAPLES OR WIRE TIES.
5. WHEN SILT FENCE IS USED FOR CHECK DAMS INSTALLED IN DITCHES, A SUPPORTING FENCE SHALL BE PROVIDED, WITH MAXIMUM POST SPACING OF 10 FT.
6. STANDARD "T" OR "U" SECTION STEEL POSTS SHALL NOT BE USED WITHIN THE CONSTRUCTION CLEAR ZONE RECOVERY AREA.
7. STRAW BALES ARE NOT INTENDED FOR USE ON NEW MEXICO DEPARTMENT OF TRANSPORTATION PROJECTS.

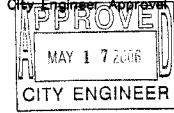
	2155 LOUISIANA BLVD., NE SUITE 9000 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5404		NO.	DATE	DESIGNED BY DRAWN BY CHECKED BY
	CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION				
TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS CARMEL AVE. TO SIGNAL AVE EROSION AND SEDIMENT CONTROL DETAILS					
Design Review Committee		City Engineer Approval		Mr. /Ms. /Mr.	Mr. /Ms. /Mr.
				Last Design Update	
City Project No.		Zone Map No.		Sheet	of
7432-91		C18-19		48	49



DROP INLET PROTECTION



TYPE II
CURB DROP INLET

	2155 LOUISIANA BLVD., NE SUITE #500 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454	NO.		DATE		DESIGNED BY DRAWN BY	
	CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION						
	TITLE: LOUISIANA BLVD. ROADWAY IMPROVEMENTS CARMEL AVE. TO SIGNAL AVE EROSION AND SEDIMENT CONTROL PLAN						
Design Review Committee		City Engineer Approval		Ms. Goy/Tr.		Ms. Goy/Tr.	
				Last Design Update		Sheet	
City Project No.		Zone Map No.		Sheet		Of	
7432-91		C18-19		49		49	