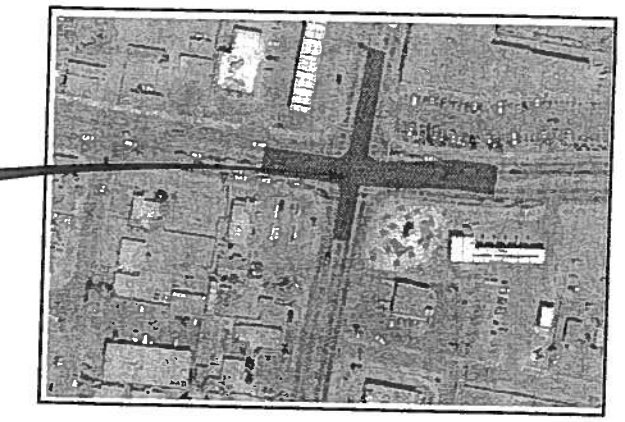
CITY OF ALBUQUERQUE
NEW MEXICO



LOCATION MAP
ZONE ATLAS MAP F-14

NTS

CONSTRUCTION PLANS
FOR
4TH STREET/MONTANO BLVD
INTERSECTION IMPROVEMENTS

INDEX

1. TITLE, LOCATION MAP & INDEX OF SHEETS
2. LEGEND, GENERAL NOTES, INCIDENTALS & UTILITY OWNERS
3. SUMMARY OF QUANTITIES
4. SURVEY CONTROL
5. SITE DEMOLITION PLAN
6. CURB & GUTTER - GRADING PLAN- MONTANO BLVD
7. CURB & GUTTER - GRADING PLAN- 4TH STREET
8. TRAFFIC SIGNAL RELOCATION
9. PERMANENT SIGNING & STRIPING GENERAL NOTES
10. PERMANENT STRIPING DETAILS
11. PERMANENT SIGNING & STRIPING PLAN

HDR
2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 884-6065
FAX: (505) 884-5969

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE

APPROVALS	ENGINEER	DATE
DRC Chairman		
Transportation		
Water/Wastewater		
Hydrology		
Parks		
Constr. Mngmt.		
Constr. Coord.		

APPROVED FOR CONSTRUCTION

City Engineer Date

City Project No. 5900.92

Sheet 1 Of 11

P:\19094 COA DRAINAGE OnCall\4thST-Montano\13.0_CADD\13.1.4DESIGN\Traff\Perm Sign-Stripe\6727COVER FINAL.dwg
Feb 11, 2005 - 3:24pm

PROPOSED	EXISTING	DESCRIPTION
MH		SANITARY SEWER MANHOLE
SD		STORM DRAIN MANHOLE
TMH		TELEPHONE MANHOLE
		MANHOLE
—SAS—		SANITARY SEWER LINE w/SIZE & TYPE
—SD—		STORM DRAIN LINE w/SIZE & TYPE
— W —		WATER LINE w/SIZE & TYPE
		OVERHEAD ELECTRICAL LINE
		ELECTRICAL RISER
—UE—		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
WM		WATER METER
GM		GAS METER
GV		GAS RISER
VB		VALVE BOX
PP		POWER POLE
SP		TRAFFIC SIGNAL
TC		TRAFFIC CONTROL BOX
PB		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
		DRIVEPAD
		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

P:\19094 COA DRAINAGE OnCall\4thST-Montano\13.0_CADD\13.1.4DESIGN\Traff\Perm Sign-Stripe\67271GN01.dwg
Feb 11, 2005 - 2:03pm

GENERAL NOTES:

1. 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.

2. 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.

3. NO MATERIAL PITS HAVE BEEN DESIGNATED FOR THIS PROJECT. THE CONTRACTOR MAY OBTAIN SPECIFICATION BORROW OR SURFACING MATERIAL FROM ANY ACCEPTABLE SOURCE.

4. 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 SEPERATE MEASUREMENT AND PAYMENT WILL BE MADE FOR CLEANING OF STRUCTURES.

5. FIVE (5) 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 (768-2551) PRIOR TO OCCUPYING AN INTERSECTION.

6. 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.

7. 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 AND THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, 2000 EDITION, OR AS MODIFIED BY THE PROJECT SPECIFICATIONS TITLED MONTGOMERY BLVD. & CARLISLE INTERSECTION IMPROVEMENTS, AS STATED IN THE SPECIAL PROVISIONS.

8. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.

9. 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.

10. 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.

11. 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.

12. 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.

13. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING, AT HIS OWN EXPENSE, ALL PERMITS NECESSARY FOR CONSTRUCTION.

14. ALL WORK IMPACTING AN ARTERIAL ROADWAY WILL REQUIRE 24-HOUR CONSTRUCTION IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE'S ORANGE BARREL POLICY.

15. 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.

16. OVERNIGHT PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

17. 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 SURVEY SECTION AT THE CONTRACTOR'S EXPENSE.

18. 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.

19. 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.

20. 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.

21. 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.

22. 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.

23. WHEN EXISTING TRAFFIC SIGNALS ARE TURNED OFF, THE CONTRACTOR SHALL HAVE AN OFF-DUTY POLICE OFFICER DIRECT TRAFFIC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO ADDITIONAL PAYMENT WILL BE MADE.

24. THROUGHOUT THE LIFE OF THIS PROJECT, THE CONTRACTOR SHALL KEEP THE LOCAL NEWS MEDIA INFORMED OF CONSTRUCTION ACTIVITIES WHICH WILL IMPEDE OR DISRUPT THE NORMAL FLOW OF TRAFFIC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO ADDITIONAL PAYMENT WILL BE MADE THERFOR.

25. 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.

26. 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 APPURTENCES 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.

27. THE CONTRACTOR SHALL BE ADVISED THAT A HIGH PRESSURE (HP) GAS LINE MAYBE 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.

28. THE DESIGN "R" - VALUE FOR THIS PROJECT IS 23. MATERIAL WITH A "R" - VALUE LESS THAN THE DESIGN "R" - VALUE SHALL NOT BE PLACED IN OR BE ALLOWED TO REMAIN WITHIN THE TOP 12-INCHES OF FINISHED SUBGRADE.

29. CONTRACTOR SHALL CONSTRUCT RAMPS WITH A CROSS SLOPE OF 1.5% TO 2.0%.

PROJECT DESCRIPTION:

THIS PROJECT INVOLVES WIDENING 4th STREET TO INCLUDE AN NORTH BOUND RIGHT-TURN LANE AND AN ADDITIONAL WEST BOUND LEFT-TURN LANE. CONSTRUCTION INCLUDES: REMOVING AND REPLACING CURB, GUTTER, DROP INLETS AND SIDEWALKS; REMOVING AND RECONSTRUCTING MEDIAN CURB AND GUTTER; REMOVING AND RELOCATING TRAFFIC SIGNAL EQUIPMENT; RELOCATING EXISTING ROADWAY LUMINAIRE STANDARDS; FIRE HYDRANTS; NEW PAVEMENT; STORM DRAIN INLETS, MILL EXISTING, OVERLAY AND SEAL COAT.

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.

UTILITY OWNERS

Bates, Steve	Office phone: (505) 898-2661 EXT 48 Office fax: 898-6379 sbates@ecoresources.com	New Mexico Utilities 4700 Irving Blvd. NW Suite 201 Albuquerque, NM 87114
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Darnell, Andy	Office phone: (505) 346-4470 Office fax: 346-4481 Andy.Darnell@mci.com	MCI Worldcom Operations Manager 6001 Midway Park NE Albuquerque, NM 87109
Erickson, Rita	Office phone: (505) 761-6235 Office fax: (505) 761-0599 rita_erickson@cable.comcast.com	Comcast Planning and Oesign Supervisor 4611 Montbel Place NE Albuquerque, NM 87107
Harrison, Royal	Office phone: (505) 938-7339 Office fax: 938-7380 Royal.Harrison@twtelecom.com	Time Warner Telecom Plant Manager 3830 Singer Blvd. NE Suite 1000 Albuquerque, NM 87109
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Martinez, Jamie	Office phone: (505) 328-2675 Office fax: (505) 217-0070 Jhcookco_in@att.net	Universal Access 505 Marquette Ave NW #119A Albuquerque, NM 87102
Mueller, Rick	Office phone: (505) 244-3161 Office fax: 244-0094 Mobile: 228-3329 rdmueller@mcleodusa.com	McLeod USA Supervisor of Outside Techs. 505 Marquette NW (Compass Bank) Suite 1600 Albuquerque, NM 87102
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Olson, Greg	Office phone: (505) 768-2719 Office fax: (505) 768-3629 golsen@cabq.gov	City of Albuquerque Principal Engineer, Utility Oevelopment P.O. Box 1293 Albuquerque, NM 87103
Romanowshi, Jeff	Office phone: (505) 241-7703 Office fax: (505) 241-7753 jromano@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.
* OFF-DUTY POLICE OFFICER. SEE GENERAL NOTE 23, 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 CAST IN PLACE, COLOR CONCRETE. SEE GENERAL RAMP NOTES, SHEET 7.

CALL BEFORE YOU DIG!
STATEWIDE
1-800-321-ALERT
ALBUQUERQUE
260-1990

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".

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
THE STA. MARK IS A STANDARD COA BRASS TABLET STAMPED "14-F14" SET IN TOP CONCRETE POST FLUSH WITH THE SURFACE. THE STA. IS LOCATED 7' EAST OF THE MEDIAN NOSE, IN THE MIDDLE OF THE EAST BOUND TO NORTH BOUND TURNLANE OF MONTANO BLVD. AND 4TH STREET. X=383162.85, Y=1505911.96, EL=4974.079, GRN TO GRID FACTOR .99987778 (2ND ORDER).

AS BUILT INFORMATION
CONTRACTOR WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

HDR INC.
DESIGNED BY: COA DATE: 12/01/04
DRAWN BY: DAS DATE: 12/01/04
CHECKED BY: PJB DATE: 12/01/04

HDR
2155 LOUISIANA BLVD., NE
SUITE 8500
ALBUQUERQUE, NM 87110
MAIN: (505) 884-0065
FAX: (505) 884-3968

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: 4TH ST. & MONTANO BLVD. INTERSECTION IMPROVEMENTS
TRANSPORTATION IMPROVEMENTS
LEGEND, GENERAL NOTES, INCIDENTALS & UTILITY OWNERS

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

City Project No.	Zone Map No.	Sheet	Of
5900.92	F-14	2	11

SUMMARY OF QUANTITIES

COA ITEM NO.	SHORT DESCRIPTION	UNIT	ROADWAY		CONSTRUCTION ENGINEERING		CONSTRUCTION SIGNING		PERMANENT SIGNING		SIGNALIZATION		LIGHTING		PROJECT TOTAL	
			ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
4.010	CONSTRUCTION STAKING BY THE CONTRACTOR. COMPL.															
4.020	CONSTRUCTION SURVEYING BY THE CONTRACTOR, COMPL.	LS			1											
6.010	CONSTRUCTION PROJECT SIGN	LS			1										1	
6.050	CONSTRUCTION MOBILIZATION, COMPL.	EACH					4								1	
6.060	CONSTRUCTION DEMOBILIZATION, COMPL.	LS	1												4	
19.010	CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPL.	LS	1												1	
301.020	SUBGRADE PREP. 12"	LS					1								1	
302.015	AGGREGATE BASE COURSE, CRUSHED, 4" @ 95% COMPACTION, CIP, SD 2408	SQ YD	1902												1	
329.010	SEAL COAT, PLANT MIX 5/8" THICK, CIP, SD 2408	SQ YD	3804												1902	
336.010	BITUMINOUS MATERIAL FOR PRIME COAT, EMULSIFIED ASPHALT, CIP	SQ YD	1902												3804	
336.036	ARTERIAL ASPHALT CONCRETE, TYPE A, 2.5" THICK, MACHINE LAYDOWN, CIP	SQ YD	1902												1902	
336.120	TACK COAT, CATIONIC EMULSIFIED ASPHALT, CIP	SQ YD	5706												1902	
340.010	SIDEWALK, 4" PCC, INCLUDE SUBGRADE COMPACTION, CIP, SD 2430	SQ YD	7608												5706	
340.020	DRIVEPAD, 6" PCC, INCLUDE SUBGRADE COMPACTION, CIP, SD 2425	SQ YD	481												7608	
340.050	CURB & GUTTER STANDARD, PCC, INCLUDE SUBGRADE PREP., CIP, SD 2415	SQ YD	41												481	
340.060	CURB & GUTTER, MEDIAN, PCC, CIP, SD 2408	LIN FT	867												41	
343.030	EXISTING PAVEMENT, ASPHALT CONCRETE, MORE THAN 4" THICK, SAWCUT, REMOVE & DISPOSE, COMPL.	LIN FT	1416												867	
343.080	EXISTING CURB & GUTTER OR VALLEY GUTTER, PCC, REMOVE & DISPOSE, COMPL.	SQ YD	541												1416	
343.085	EXISTING SIDEWALK, 4" PCC, REMOVE & DISPOSE, COMPL.	LIN FT	2003												541	
346.100	TEXTURED MEDIAN PAVEMENT, 4" THICK, COLORED PCC, INCLUDE SUBGRADE COMPACTION, CIP, SD 2408	SQ YD	602												2003	
422.102	TR SG, PP REMOVE AND RELOCATE	SQ FT	1236												602	
422.112	TR SG MA REMOVE AND RELOCATE	EACH													1236	
423.001	TRAFFIC SIGNAL FOUNDATION FOR PEDESTRIAN POLE	EACH									3				3	
423.002	TRAFFIC SIGNAL MASTARM FOUNDATION	EACH									1				1	
423.101	TRAFFIC SIGNAL MASTARM FOUNDATION, REMOVE AND DISPOSE	EACH									3				3	
423.102	TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL POLE AND SPLICE CABINET, REMOVE AND DISPOSE	EACH									1				1	
424.010	ELECTRICAL CONDUIT, 3", INCLUDING TRENCHING, BACKFILL, PATCHING, PUSHING, BORING AND JACKING	EACH									1				1	
425.003	ELECTRICAL PULL BOX, (LARGE)	LIN FT									3				3	
425.101	EL PB, REMOVE AND DISPOSE	EACH									174				174	
426.010	MULTI CONDUCTOR CABLE, #5	LIN FT									3				3	
426.014	MULTI CONDUCTOR CABLE, #20	LIN FT									3				3	
441.001	REFLECTORIZED PLASTIC MARKING 4"	LIN FT									348				348	
441.003	REFLECTORIZED PLASTIC MARKING 8"	LIN FT									348				348	
441.004	REFLECTORIZED PLASTIC MARKINGS 12"	LIN FT							775						775	
441.010	REFLECTORIZED PLASTIC ARROW, RIGHT, CIP	LIN FT							175						175	
441.011	REFLECTORIZED PLASTIC ARROW, LEFT, CIP	EACH							823						823	
441.013	REFLECTORIZED PLASTIC ARROW, THRU & RIGHT, CIP	EACH							3						3	
441.020	REFLECTORIZED WORD (ONLY)	EACH							10						10	
441.XXX	REFLECTORIZED PLASTIC RIGHT LANE DROP ARROW, CIP	EACH							1						1	
443.101	REMOVAL OF PAVEMENT STRIPE, ANY WIDTH, PAINTED OR PLASTIC, COMPL.	EACH							6						6	
443.102	REMOVAL OF PAVEMENT ARROW, SYMBOL OR WORD, PAINTED OR PLASTIC, COMPL.	LIN FT							1						1	
450.001	ALUMINUM PANEL SIGNS	EACH							2640						2640	
450.010	SQUARE TUBE STEEL POST AND BASE POST FOR PANEL SIGNS	SQ FT							20						20	
701.100	TRENCHING, BACKFILLING & COMPACTION FOR 18" TO 36" PIPE, < 8' DEPTH	LIN FT							63						63	
801.113	FIRE HYDRANT, 4' BURY, MJ, INCLUDING BLOCKING & AGGREGATE, CIP SD 2340	LIN FT	23						153						153	
801.119	FIRE HYDRANT, EXISTING, REMOVE & SALVAGE, COMPL.	EACH	2												23	
915.030	CATCH BASIN, TYPE "C" , SINGLE GRATE, CIP, SP 2201	EACH	2												2	
915.070	CATCH BASIN, EXISTING, REMOVE & DISPOSE, ANY TYPE, INCL. CLEANUP, COMPL., SD 2200	EACH	2												2	
1000.XXX	LANDSCAPE REMOVAL	EACH	2												2	
		ALLOW	1												2	
															1	

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.

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

THE STA. MARK IS A STANDARD COA BRASS TABLET STAMPED "14-F14" SET IN TOP CONCRETE POST FLUSH WITH THE SURFACE. THE STA. IS LOCATED 7' EAST OF THE MEDIAN NOSE, IN THE MIDDLE OF THE EAST BOUND TO NORTH BOUND TURNLANE OF MONTANO BLVD. AND 4TH STREET, X=383162.85, Y=1505911.96, EL=4974.079, GRN TO GRID FACTOR .99967778 (2ND ORDER).

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

HDR INC.

DESIGNED BY: COA — DATE: 12/01/04
DRAWN BY: DAS — DATE: 12/01/04
CHECKED BY: PJB — DATE: 12/01/04

HDR
2155 LOUISIANA BLVD., NE
SUITE 9300
ALBUQUERQUE, NM 87110
MAIN: (505) 884-6065
FAX: (505) 884-5969

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DEVELOPMENT DIVISION

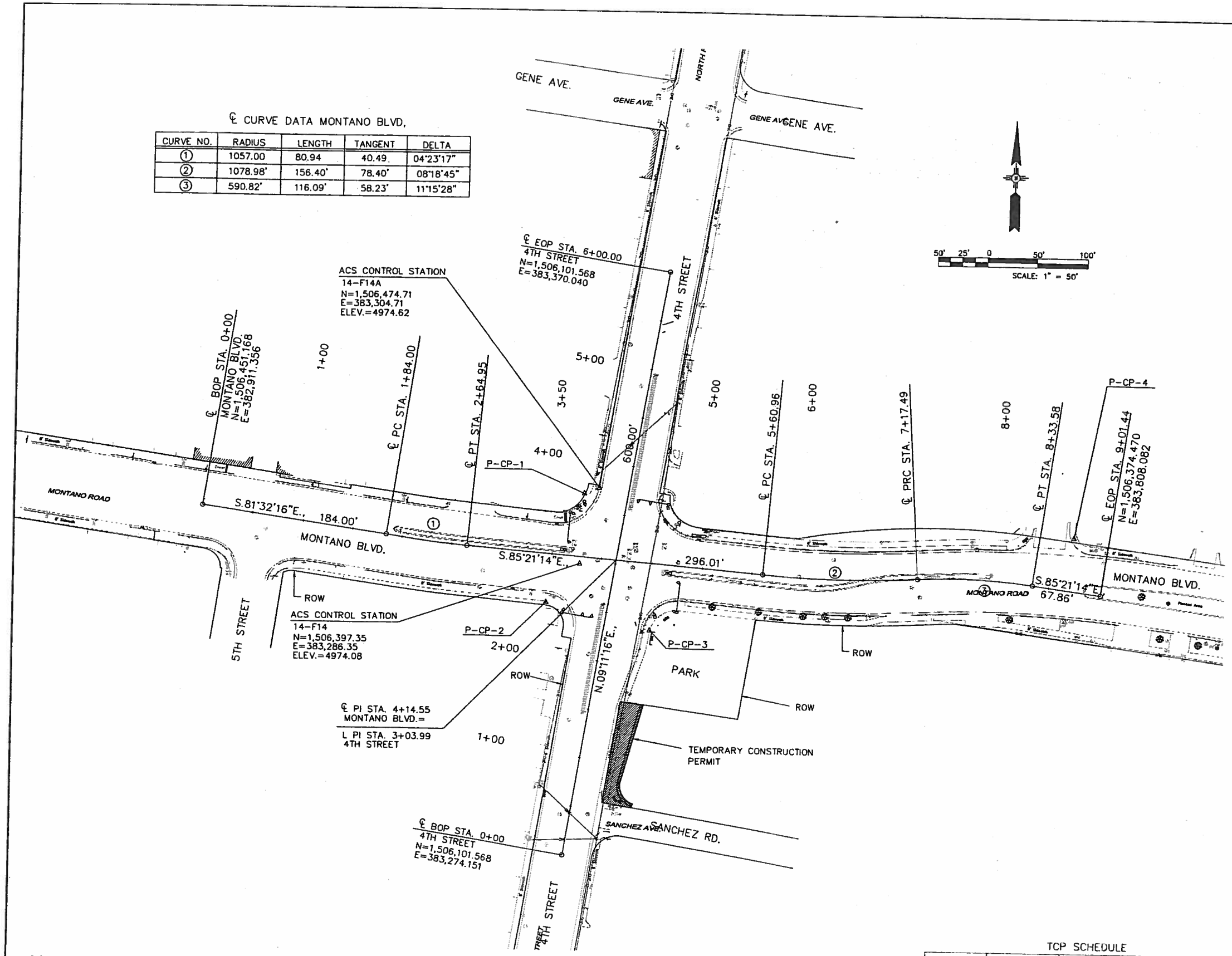
TITLE: 4TH ST. & MONTANO BLVD. INTERSECTION IMPROVEMENTS
TRANSPORTATION IMPROVEMENTS
SUMMARY OF QUANTITIES

Design Review Committee | City Engineer Approval | Mo./Day/Yr. | Mo./Day/Yr.
Last Design Update

City Project No. 5900.92 | Zone Map No. F-14 | Sheet 3 of 11

℄ CURVE DATA MONTANO BLVD,

CURVE NO.	RADIUS	LENGTH	TANGENT	DELTA
①	1057.00	80.94	40.49	04°23'17"
②	1078.98'	156.40'	78.40'	08°18'45"
③	590.82'	116.09'	58.23'	11°15'28"



PROJECT CONTROL POINTS

P-CP-1 No.5 RB STAMPED "PC 11599"
N=1,506,468.44
E=383,289.96
ELEV=4974.75

P-CP-2 No.5 RB STAMPED "PC 11599"
N=1,506,357.90
E=383,253.02
ELEV=4974.07

P-CP-3 No.5 RB STAMPED "PC 11599"
N=1,506,330.88
E=383,357.05
ELEV=4974.62

P-CP-4 60d SPIKE IN SIDEWALK
N=1,506,432.17
E=383,781.12
ELEV=4973.99

Notes:

1.) Coordinates are modified (surface) New Mexico State Plane Coordinates, Central Zone, NAD 27 and have been adjusted to the ACS control points 12-E14, and 14-F14. To obtain true state plane grid coordinates, multiply the coordinates hereon by the project average combined ground to grid factor CF = .99967778. Elevations are referred to sea level, NGVD 29, and have been adjusted to the ACS benchmark 14-F-14A.

2.) Property lines and / or Right-of-way lines shown hereon are included for reference purposes and are approximate only. The property lines and right-of-way lines were constructed using record plat information.

TCP SCHEDULE

TCP NO.	AREA (SF)	LOCATION
1		
2		
3		
4		

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

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
THE STA. MARK IS A STANDARD COA BRASS TABLET STAMPED "14-F14" SET IN TOP CONCRETE POST FLUSH WITH THE SURFACE. THE STA. IS LOCATED 7' EAST OF THE MEDIAN NOSE, IN THE MIDDLE OF THE EAST BOUND TO NORTH BOUND TURNLANE OF MONTANO BLVD. AND 4TH STREET. X=383162.85, Y=1505911.96, EL=4974.079, GRN TO GRID FACTOR .99967778. (2ND. ORDER).

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

HDR INC.
2155 LOUISIANA BLVD., NE
SUITE 8500
ALBUQUERQUE, NM 87110
PHONE: (505) 884-0083
FAX: (505) 884-3969

DESIGNED BY: COA DATE: 12/01/04
DRAWN BY: DAS DATE: 12/01/04
CHECKED BY: PJB DATE: 12/01/04

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: 4TH ST. & MONTANO BLVD. INTERSECTION IMPROVEMENTS
TRANSPORTATION IMPROVEMENTS
SURVEY CONTROL

Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5900.92 | Zone Map No. F-14 | Sheet 4 Of 11

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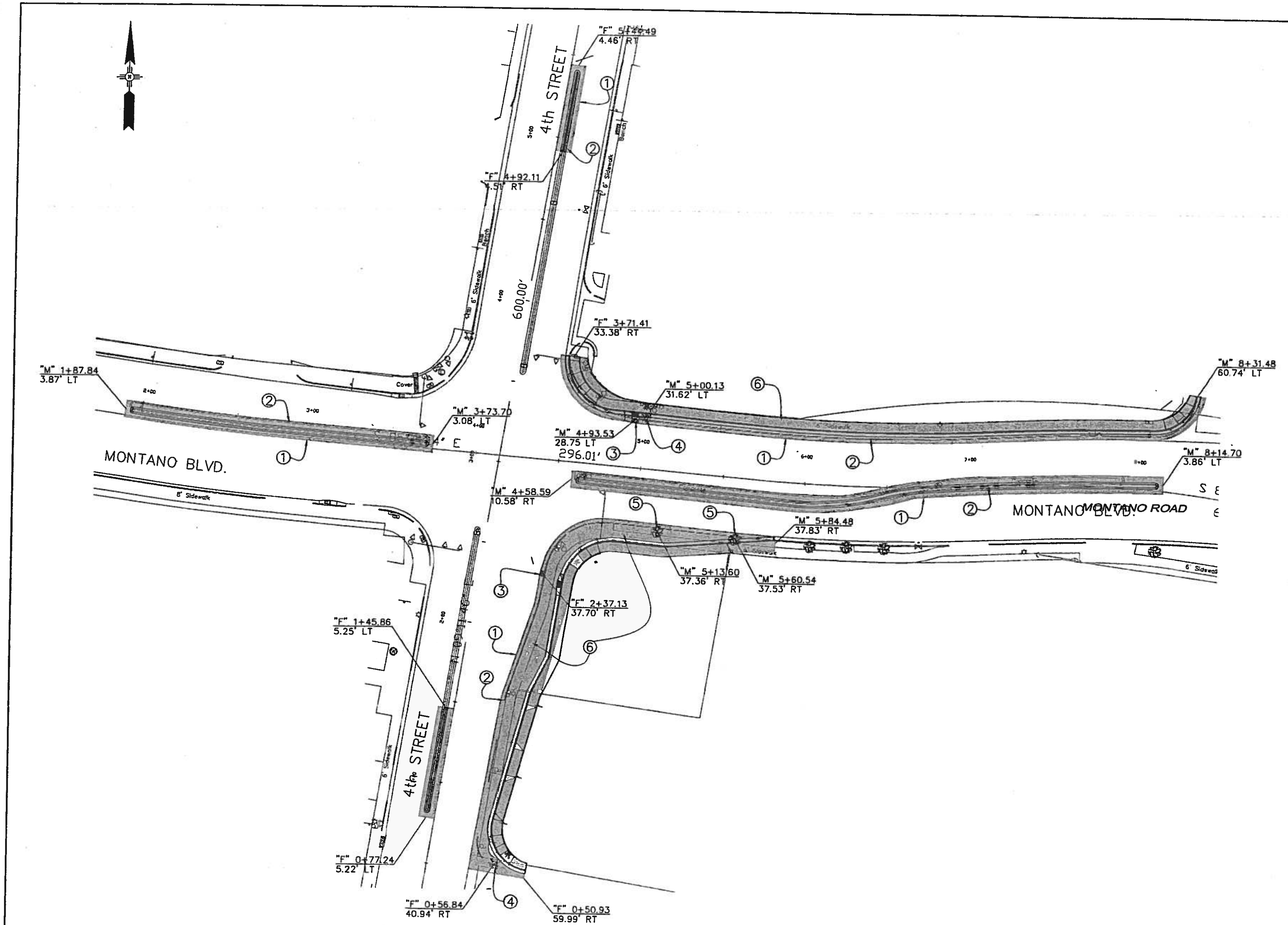

KEYED BUILD NOTES

NOTE: "F" REPRESENTS FOURTH STREET ALIGNMENT. "M" REPRESENTS MONTANO BLVD. ALIGNMENT.

1. SAWCUT AND REMOVE EXISTING AC PAVEMENT.
2. REMOVE EXISTING CURB & GUTTER.
3. REMOVE & RELOCATE EXISTING DROP INLET.
4. REMOVE & RELOCATE EXISTING FIRE HYDRATE.
5. REMOVE EXISTING TREE.
6. REMOVE EXISTING SIDEWALK.

SCALE: 1" = 30'

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.

AS BUILT INFORMATION

CONTRACTOR	DATE
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

THE STA. MARK IS A STANDARD COA BRASS TABLET STAMPED "14-F14" SET IN TOP CONCRETE POST FLUSH WITH THE SURFACE. THE STA. IS LOCATED 7' EAST OF THE MEDIAN NOSE, IN THE MIDDLE OF THE EAST BOUND TO NORTH BOUND TURNLANE OF MONTANO BLVD. AND 4TH STREET, X=383162.85, Y=1505911.96, EL=4974.079, GRN TO GRID FACTOR .99967778 (2ND ORDER).

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

HDR INC.

DESIGNED BY: COA	DATE: 12/01/04
DRAWN BY: DAS	DATE: 12/01/04
CHECKED BY: PJB	DATE: 12/01/04

HDR
2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
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FAX: (505) 884-5969

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: 4TH ST. & MONTANO BLVD. INTERSECTION IMPROVEMENTS
TRANSPORTATION IMPROVEMENTS

DEMOLITION & REMOVAL PLAN

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

City Project No.	Zone Map No.	Sheet	Of
5900.92	F-14	5	11

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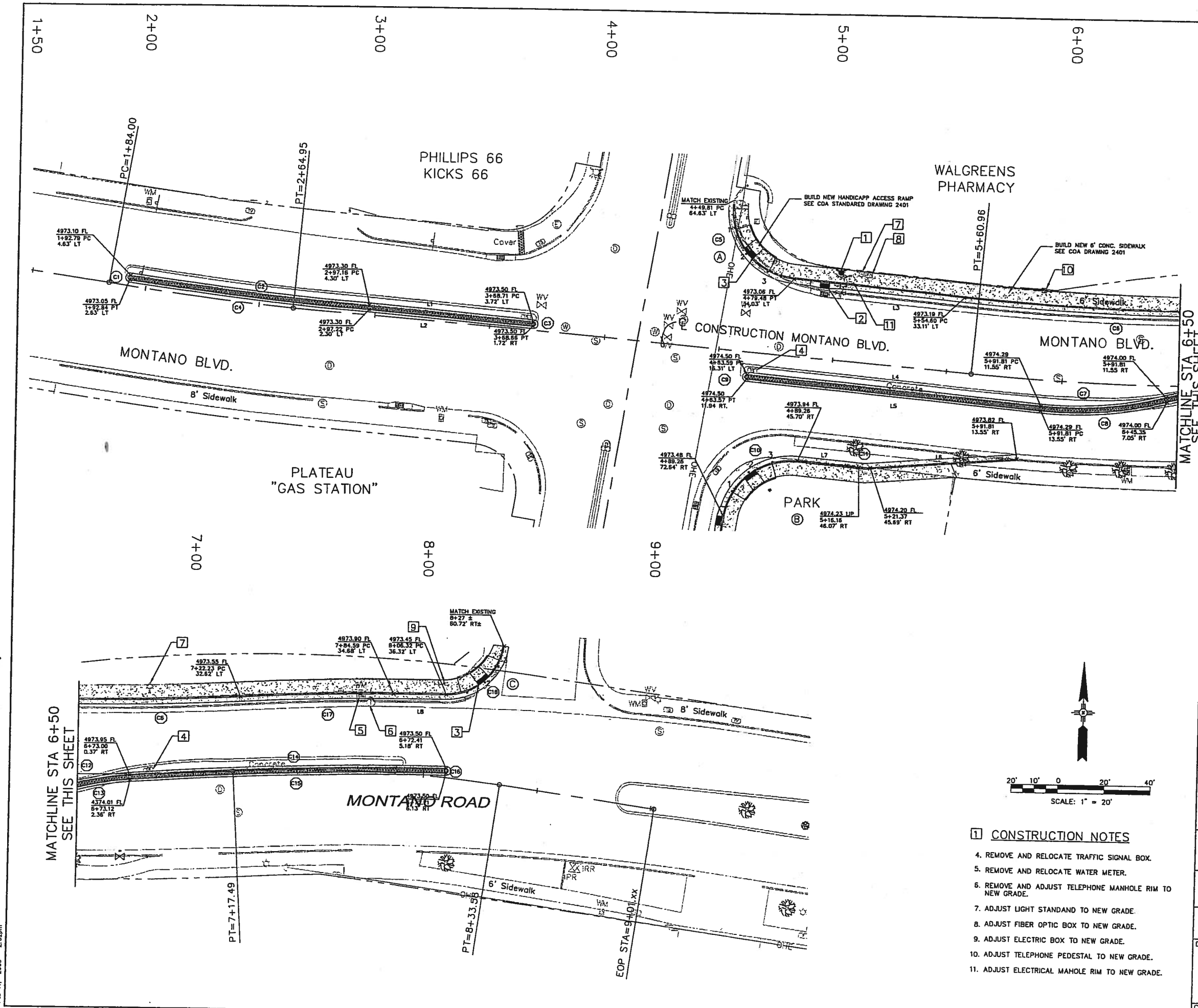

QUATER POINT INFORMATION

Ⓐ

	T/C	FL
1.	74.18	73.51
2.	74.04	73.37
3.	73.90	73.23

Ⓑ

	T/C	FL
1.	74.26	73.59
2.	74.38	73.71
3.	74.50	73.83

Ⓒ

	T/C	FL
1.	74.27	73.60
2.	74.42	73.75
3.	74.56	73.89

NOTES:

1. ALL STATION INFORMATION SHOWN ON THIS SHEET IS TAKEN FROM THE MONTANO BLVD. CENTERLINE. SEE SURVEY SHEET 4 FOR MORE INFORMATION.
2. ALL CURVE DATA SHOWN FOR STANDARD C&G AND FOR MEDIAN C&G IS TO THE LIP OF THE CURB.

CURB & GUTTER CURVE TABLE

	DELTA	RADIUS	LENGTH	TANGENT
C1	180°00'00"	1.00'	3.14'	–
C2	04°07'14"	1446.29'	104.01'	52.03'
C3	180°00'00"	1.00'	3.14'	–
C4	04°07'13"	1448.29'	104.15'	52.10'
C5	90°27'22"	30.00'	47.36'	30.24'
C6	08°49'52"	1059.00	163.22'	81.77'
C7	10°57'22"	150.00'	28.70'	14.40'
C8	10°57'22"	148.00'	28.32'	14.20'
C9	180°00'00"	1.00'	3.14'	–
C10	84°56'23"	30.00'	44.47'	27.46'
C11	09°59'35"	30.00'	5.23'	2.62'
C12	10°57'52"	150.00'	28.70'	14.40'
C13	10°57'52"	148.00'	28.32'	14.20'
C14	05°07'14"	1532.97'	137.04'	68.57'
C15	05°07'01"	1531.68'	136.79'	68.44'
C16	180°00'00"	1.00'	3.14'	–
C17	03°30'01"	1059.00	65.93'	32.98'
C18	82°49'17"	25.00'	36.14'	22.05'

NOTE: CURVE DATA PROVIDED AT LIP OF C & G.

CURB & GUTTER LINE TABLE

L1	N.84°53'20"W.	71.55'
L2	N.84°53'30"W.	71.48'
L3	N.84°39'24"W.	75.13'
L4	N.84°48'10"W.	128.53'
L5	N.84°48'10"W.	128.60'
L6	S.85°26'16"W.	63.71'
L7	N.84°34'09"W.	26.90'
L8	N.89°58'56"E.	23.09'

NOTE: LINE DATA PROVIDED AT LIP OF C & G.

1 CONSTRUCTION NOTES

1. REPLACE REMOVED AND SALVAGED FIRE HYDRANT AT STA. 4+99.94, 38.66' LT. PER COA STND. DWG 2340.
2. INSTALL SINGLE TYPE "C" INLET AT STA. 4+93.57, 33.85' RT. PER COA STND. DWG 2205. INSTALL 12.00± LF OF 18" RCP S=2% FROM NEW DI TO EXISTING PIPE.
3. BUILD NEW CONCRETE HANDICAPP ACCESS RAMP, SEE GENERAL RAMP NOTES, SHEET 7, ALSO SEE COA STND. DWGS. 2440, 2441.

20' 10' 0 20' 40'

SCALE: 1" = 20'

1 CONSTRUCTION NOTES

4. REMOVE AND RELOCATE TRAFFIC SIGNAL BOX.
5. REMOVE AND RELOCATE WATER METER.
6. REMOVE AND ADJUST TELEPHONE MANHOLE RIM TO NEW GRADE.
7. ADJUST LIGHT STANDAND TO NEW GRADE.
8. ADJUST FIBER OPTIC BOX TO NEW GRADE.
9. ADJUST ELECTRIC BOX TO NEW GRADE.
10. ADJUST TELEPHONE PEDESTAL TO NEW GRADE.
11. ADJUST ELECTRICAL MAHOLE RIM TO NEW GRADE.

AS BUILT INFORMATION

	DATE
CONTRACTOR	
WORK STAKED BY	
INSPECTOR'S ACCEPTANCE BY	
FIELD VERIFICATION BY	
DRAWINGS CORRECTED BY	

BENCH MARKS

THE STA. MARK IS A STANDARD COA BRASS TABLET STAMPED "14-F14" SET IN TOP CONCRETE POST FLUSH WITH THE SURFACE. THE STA. IS LOCATED 7' EAST OF THE MEDIAN NOSE, IN THE MIDDLE OF THE EAST BOUND TO NORTH BOUND TURNLANE OF MONTANO BLVD. AND 4TH STREET. X=383162.85, Y=1505911.98, EL=4974.079, GRN TO GRID FACTOR .99987778 (2ND ORDER).

MICRO-FILM INFORMATION

	DATE
RECORDED BY	
NO.	

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

HDR INC.

DESIGNED BY: COA DATE: 12/01/04
DRAWN BY: DAS DATE: 12/01/04
CHECKED BY: PJB DATE: 12/01/04

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

TITLE: 4TH ST. & MONTANO BLVD. INTERSECTION IMPROVEMENTS
TRANSPORTATION IMPROVEMENTS

CURB & GUTTER AND GRADING PLAN

Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5900.92 | Zone Map No. F-14 | Sheet 6 Of 11

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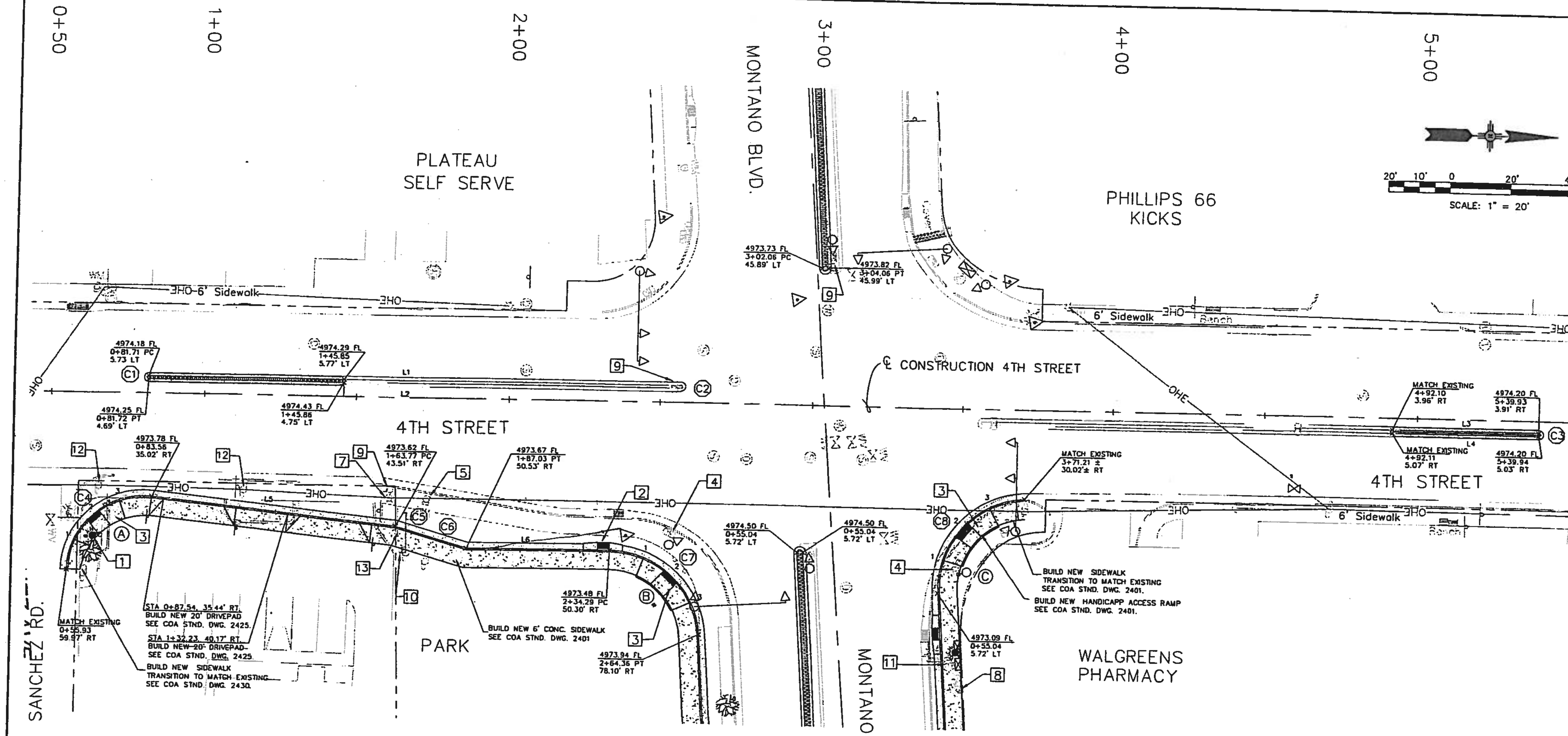


QUATER POINT INFORMATION

Ⓐ

	T/C	FL
1.	74.33	73.66
2.	74.37	73.70
3	74.41	73.74

Ⓑ

	T/C	FL
1.	74.26	73.59
2.	74.38	73.71
3.	74.50	73.83

Ⓒ

	T/C	FL
1.	73.90	73.23
2.	74.04	73.37
3.	74.18	73.51

NOTES:

1. ALL STATION INFORMATION SHOWN ON THIS SHEET IS TAKEN FROM THE 4th STREET CENTERLINE. SEE SURVEY SHEET 4 FOR MORE INFORMATION.
2. ALL CURVE DATA SHOWN FOR STANDARD C&G AND FOR MEDIAN C&G IS TO THE LIP OF THE CURB.

CURB & GUTTER CURVE TABLE

	DELTA	RADIUS	LENGTH	TANGENT
C1	180°00'00"	0.50'	1.59'	–
C2	180°00'00"	0.50'	1.59'	–
C3	180°00'00"	0.56'	1.76'	–
C4	96°15'45"	25.00'	42.00	27.89'
C5	24°58'49"	25.00'	10.90'	5.54'
C6	31°18'22"	25.00'	13.66'	7.01'
C7	86°30'44"	30.00'	45.30'	28.23'
C8	90°27'32"	30.00'	47.33'	30.24'

NOTE: CURVE DATA PROVIDED AT LIP OF C & G.

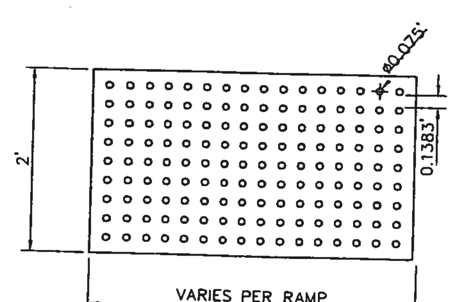
CURB & GUTTER LINE TABLE

L1	N.09°09'50"E.	175.07'
L2	N.09°09'50"E.	175.07'
L3	N.09°08'27"E.	47.83'
L4	N.09°08'27"E.	47.83'
L5	N.15°14'40"E.	80.65'
L6	N.08°55'07"E.	47.26'

NOTE: LINE DATA PROVIDED AT LIP OF C & G.

GENERAL RAMP NOTES:

1. FOR ADDITIONAL ADA RAMP DETAILS REFER TO COA STANDARD DRAWING 2441.
2. TRUNCATED DOMES SHALL BE CAST IN PLACE, COLORED CONCRETE. 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 SPECIFIED BY THE PROJECT MANAGER.



TRUNCATED DOME TYPICAL DETAIL
NTS

☐ CONSTRUCTION NOTES

4. REMOVE AND RELOCATE TRAFFIC SIGNAL BOX.
5. REMOVE AND RELOCATE WATER METER.
6. REMOVE AND ADJUST TELEPHONE MANHOLE RIM TO NEW GRADE.
7. RELOCATE LIGHT STANDARD.
8. ADJUST FIBER OPTIC BOX TO NEW GRADE.
9. RELOCATE AND ADJUST ELECTRIC BOX TO NEW GRADE.
10. ADJUST TELEPHONE PEDESTAL TO NEW GRADE.
11. ADJUST ELECTRICAL MAHOLE RIM TO NEW GRADE.
12. REMOVE AND RELOCATE POWER POLE AND LIGHT.
13. REMOVE AND RELOCATE GAS LINE MONITORING STATION.

☐ CONSTRUCTION NOTES

1. REPLACE REMOVED AND SALVAGED FIRE HYDRANT AT STA. 00+70.59, 54.49' RT. PER COA STND.DWG 2340.
2. INSTALL SINGLE TYPE "C" INLET AT STA. 2+32.29, 50.31' RT. PER COA STND. DWG 2205. INSTALL 12.00± LF OF 18" RCP S=2% FROM NEW DI TO EXISTING PIPE.
3. BUILD NEW CONCRETE HANDICAPP ACCESS RAMP SEE NOTES THIS THIS SHEET ALSO COA STND. DWGS. 2440, 2441.

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

THE STA. MARK IS A STANDARD COA BRASS TABLET STAMPED "14-F14" SET IN TOP CONCRETE POST FLUSH WITH THE SURFACE. THE STA. IS LOCATED 7' EAST OF THE MEDIAN NOSE, IN THE MIDDLE OF THE EAST BOUND TO NORTH BOUND TURNLANE OF MONTANO BLVD. AND 4TH STREET, X=383162.85, Y=1505911.96, EL=4974.079, GRN TO GRID FACTOR .99967778 (2ND ORDER).

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS
HDR INC.

DESIGNED BY: COA — DATE: 12/01/04
DRAWN BY: DAS — DATE: 12/01/04
CHECKED BY: PJB — DATE: 12/01/04

HDR
2155 LOUISIANA BLVD. NE
SUITE 9500
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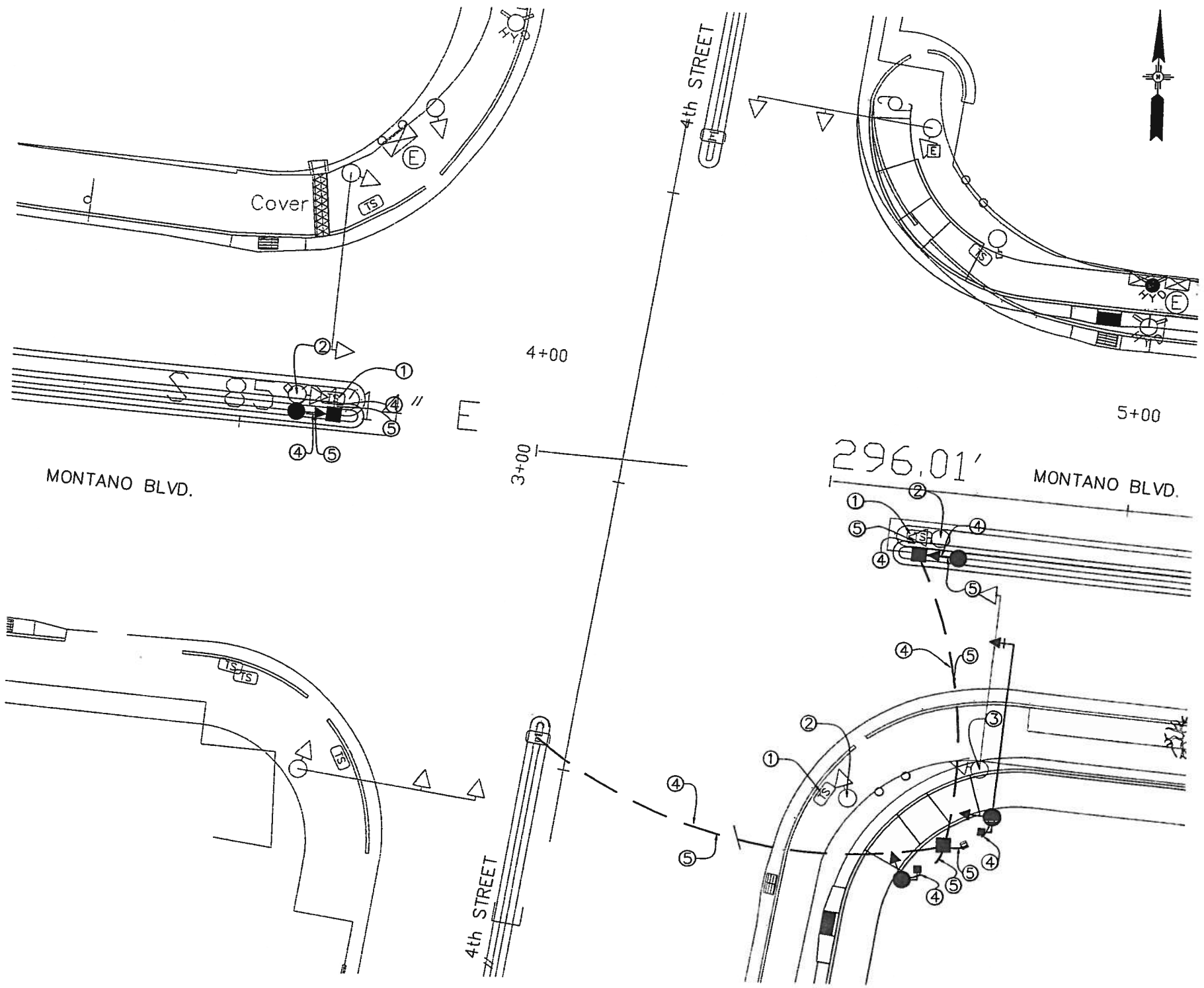
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: 4TH ST. & MONTANO BLVD. INTERSECTION IMPROVEMENTS
TRANSPORTATION IMPROVEMENTS
CURB & GUTTER AND GRADING PLAN

Design Review Committee | City Engineer Approval | Mo./Day/Yr. | Mo./Day/Yr. | Last Design Update

City Project No. 590092 | Zone Map No. F-14 | Sheet 7 of 11



KEYED BUILD NOTES

NOTE: ALL STATIONS AND OFFSETS ARE BASED ON MONTANO BLVD. AUGMENT.

1. REMOVE PULL BOX FROM 4+65.41 7.90' RT. AND REPLACE AT 4+65.87 11.06' RT. PER COA STANDARD DRAWING 2550.

   REMOVE PULL BOX FROM STA. 5+54.57 53.53' RT. AND REPLACE AT STA. 4+75.06 60.15' RT. PER COA STANDARD DRAWING 2550.

   REMOVE PULL BOX FROM STA. 3+65.26 5.39' LT. AND REPLACE AT STA. 3+65.62 2.61' LT. PER COA STANDARD DRAWING 2550.

2. REMOVE TYPE I POLE FROM STA. 3+59.27 5.52' LT. AND RELOCATE AT STA. 3+59.41 2.64' LT.

   REMOVE TYPE I POLE FROM STA. 4+58.52 53.74' RT. AND RELOCATE AT STA. 4+68.82 66.67' RT.

   REMOVE TYPE I POLE FROM STA. 4+69.10 8.01' RT. AND RELOCATE AT STA. 4+72.36 11.03' RT.

3. REMOVE TYPE II POLE FROM STA. 4+79.84 46.60' RT. AND RELOCATE AT STA. 4+82.78 54.50' RT.

4. PLACE 3" CONDUIT FROM STA. 4+65.41 7.90' RT. TO STA. 4+65.87 11.06' RT.

   PLACE 3" CONDUIT FROM STA. 4+65.87 11.06' RT. TO STA. 4+75.06 60.15' RT.

   PLACE 3" CONDUIT FROM STA. 4+65.87 11.06' RT. TO STA. 4+72.36 11.03 RT.

   PLACE 3" CONDUIT FROM STA. 4+75.06 60.15' RT. TO STA. 4+82.78 54.50' RT.

   PLACE 3" CONDUIT FROM STA. 4+75.06 60.15' RT. TO STA. 4+68.82 66.67' RT.

   PLACE 3" CONDUIT FROM STA. 4+75.06 60.15' RT. TO STA. 4+05.31 48.79' RT.

   PLACE 3" CONDUIT FROM STA. 3+65.26 5.39' LT. TO STA. 3+65.62 2.61 LT.

   PLACE 3" CONDUIT FROM STA. 3+65.62 2.61' LT. TO STA. 3+59.41 2.64' LT.

5. PLACE MCC 5 AND MCC 20 CABLE FROM STA. 4+65.41 7.90' RT. TO STA. 4+65.87 11.06' RT.

   PLACE MCC 5 AND MCC 20 CABLE FROM STA. 4+65.87 11.06' RT. TO STA. 4+75.06 60.15' RT.

   PLACE MCC 5 AND MCC 20 CABLE FROM STA. 4+65.87 11.06' RT. TO STA. 4+72.36 11.03 RT.

   PLACE MCC 5 AND MCC 20 CABLE FROM STA. 4+75.06 60.15' RT. TO STA. 4+82.78 54.50' RT.

   PLACE MCC 5 AND MCC 20 CABLE FROM STA. 4+75.06 60.15' RT. TO STA. 4+68.82 66.67' RT.

   PLACE MCC 5 AND MCC 20 CABLE FROM STA. 4+75.06 60.15' RT. TO STA. 4+05.31 48.79' RT.

   PLACE MCC 5 AND MCC 20 CABLE FROM STA. 3+65.26 5.39' LT. TO STA. 3+65.62 2.61 LT.

   PLACE MCC 5 AND MCC 20 CABLE FROM STA. 3+65.62 2.61' LT. TO STA. 3+59.41 2.64' LT.

8' 4' 10' 6' 2' 0 10' 20'

SCALE: 1" = 10'

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.

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S FIELD ACCEPTANCE BY — DATE
VERIFICATION BY CHANGES — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

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SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

HDR INC.

DESIGNED BY: COA — DATE: 12/01/04
DRAWN BY: DAS — DATE: 12/01/04
CHECKED BY: PJB — DATE: 12/01/04

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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: 4TH ST. & MONTANO BLVD. INTERSECTION IMPROVEMENTS
TRANSPORTATION IMPROVEMENTS

TRAFFIC SIGNAL RELOCATION PLAN

Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5900.92 | Zone Map No. F-14 | Sheet 8 Of 11

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GENERAL NOTES FOR PAVEMENT MARKINGS

1. ALL PAVEMENT MARKINGS SHALL CONFORM TO THE CITY OF ALBUQUERQUE STANDARDS.
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 PREFORMED 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.
12. STRIPING ERADICATION SHALL BE ACCOMPLISHED BY WATER BLASTING OR SURFACE PLANING OF THE ROADWAY TO A MAXIMUM DEPTH OF 0.25 INCHES AND FOR A WIDTH EQUAL TO TWO TIMES THE WIDTH OF THE STRIPE OR MARKING TO BE REMOVED. SEE STRIPING ERADICATION DETAIL ON SHEET 59.

GENERAL NOTES FOR PERMANENT SIGNS

1. ALL NEW SIGNS SHALL MEET THE MINIMUM REQUIREMENTS SPECIFIED IN THE MUTCD 2003.
2. ALL EXISTING SIGNS TO REMAIN, UNLESS DIRECTED BY THE PROJECT MANAGER FOR REMOVAL.
3. ANY SIGNS REQUIRED TO BE REMOVED AND RELOCATED SHALL BE CONSIDERED INCIDENTAL AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFORE.
4. 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.
5. ANY EXISTING SIGNS CONFLICTING WITH THE INTERSECTION OPERATION OR OTHER SIGNS SHALL BE REMOVED AS DIRECTED BY THE PROJECT MANAGER.
6. CONTACT ALBERT ORTIZ AT 857-8000 EXT. 8601 FOR HANDLING ARRANGEMENTS OF EXISTING SIGNS THAT ARE INDICATED AS TO BE REMOVED AND SALVAGED.
7. UNLESS SPECIFIED OTHERWISE, ALL NEW SIGNS SHALL BE MOUNTED ON A SINGLE 12 GAUGE POST, AS MANUFACTURED BY TELESPAR 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
8. 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.
9. 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.

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

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Feb 11, 2005 - 2:06pm

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

BENCH MARKS

THE STA. MARK IS A STANDARD COA BRASS TABLET STAMPED "14-F14" SET IN TOP CONCRETE POST FLUSH WITH THE SURFACE. THE STA. IS LOCATED 7' EAST OF THE MEDIAN NOSE, IN THE MIDDLE OF THE EAST BOUND TO NORTH BOUND TURNLANE OF MONTANO BLVD. AND 4TH STREET. X=383162.85, Y=1505911.96, EL=4974.079, GRN TO GRID FACTOR .99967778 (2ND ORDER).

AS BUILT INFORMATION

CONTRACTOR	DATE
WORK STAKED BY	DATE
INSPECTOR'S FIELD ACCEPTANCE BY	DATE
VERIFICATION BY CONTRACTOR	DATE
CORRECTED BY	DATE
RECORDED BY	DATE

MICRO-FILM INFORMATION

NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

HDR INC.
2155 LOUISIANA BLVD., NE
SUITE 8500
ALBUQUERQUE, NM 87110
MAIN: (505) 884-6065
FAX: (505) 884-5969

DESIGNED BY: COA DATE: 12/01/04
DRAWN BY: DAS DATE: 12/01/04
CHECKED BY: PJB DATE: 12/01/04

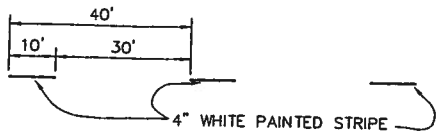
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: 4TH ST. & MONTANO BLVD. INTERSECTION IMPROVEMENTS
TRANSPORTATION IMPROVEMENTS

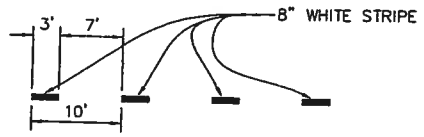
PERMANENT STRIPING & SIGNING GENERAL NOTES

Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

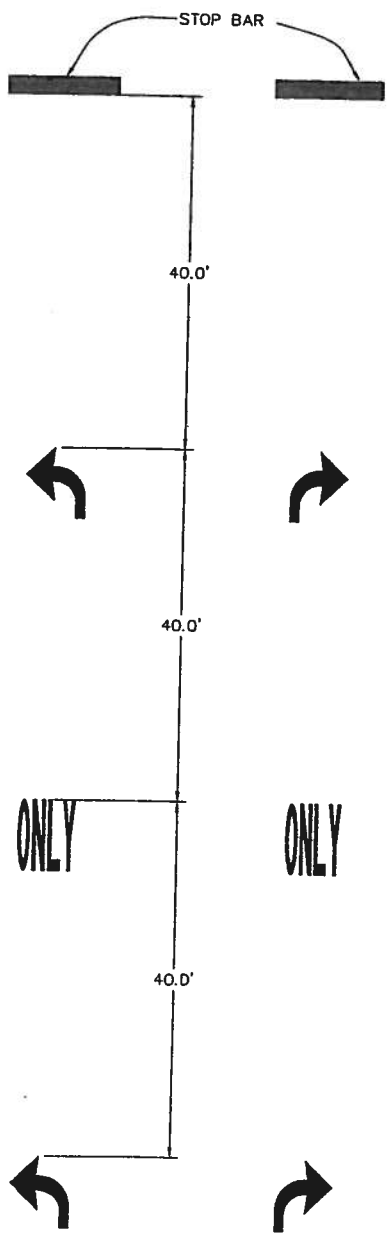
City Project No. 5900.92 | Zone Map No. F-14 | Sheet 9 Of 11



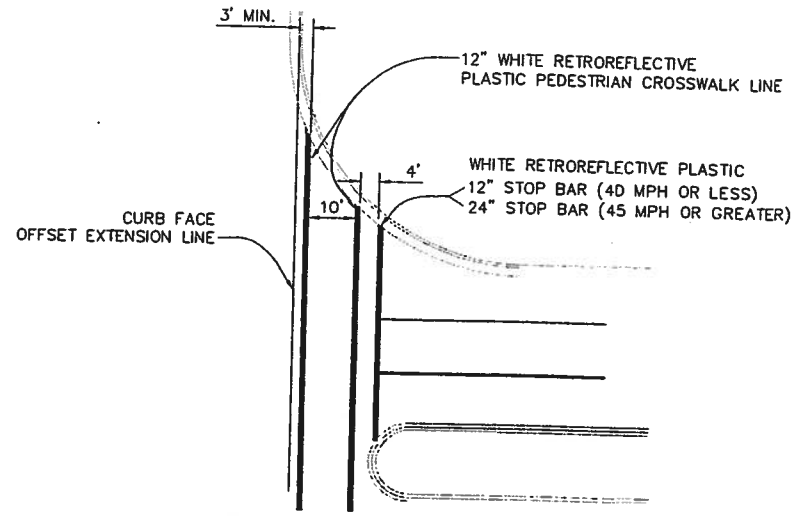
LANE STRIPE
SPACING TYPICAL
NTS



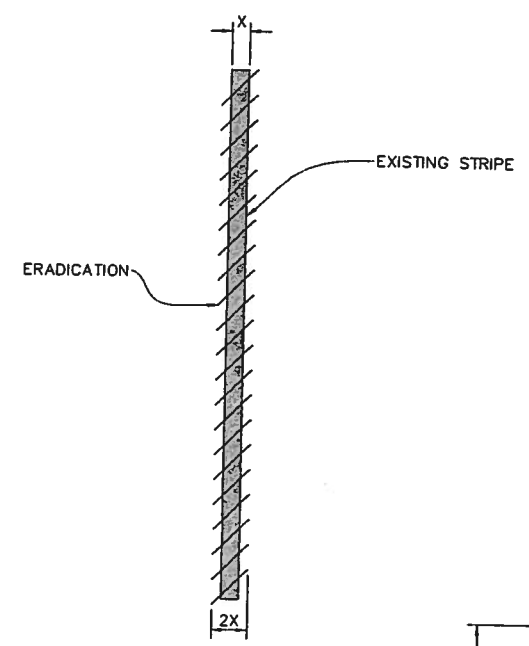
DOTTED STRIPE
SPACING TYPICAL
NTS



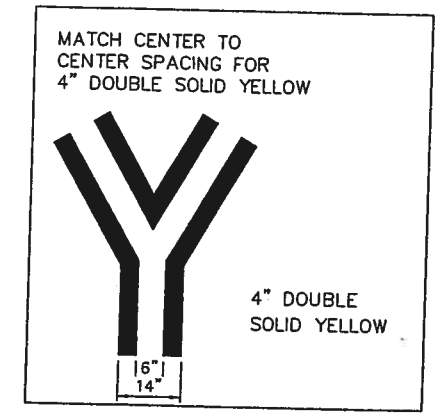
TURN LANE TYPICAL
NTS



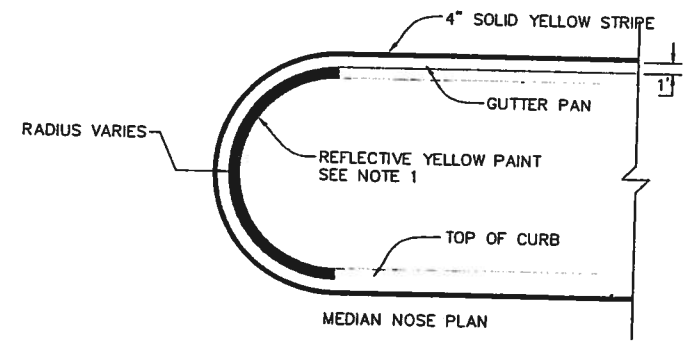
CROSSWALK &
STOP BAR TYPICAL
NTS



STRIPING
ERADICATION
TYPICAL
NTS

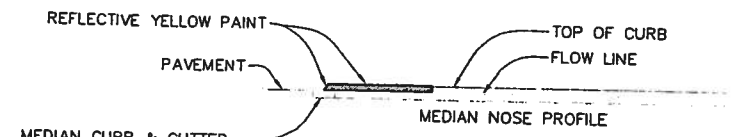


DOUBLE YELLOW
STRIPE SPACING DETAIL
NTS

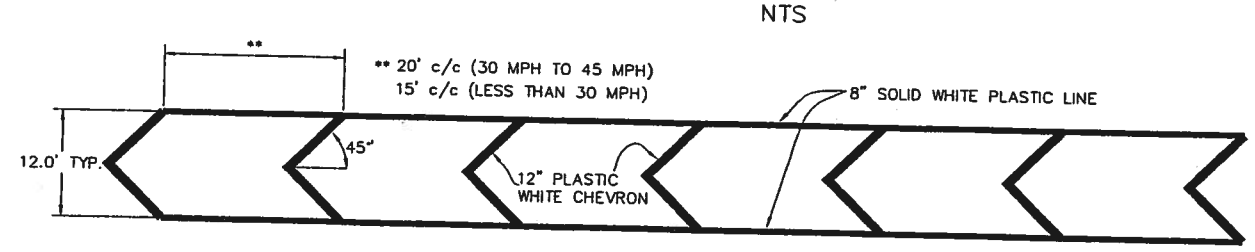


NOTE:

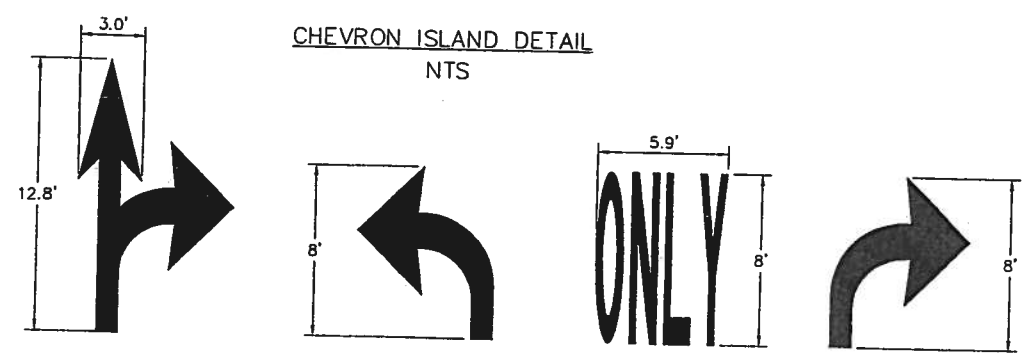
1. MEDIAN SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT FROM NOSE BACK 5' OR TO THE P.C., WHICH EVER IS GREATER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO SIGNING AND STRIPING AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFOR.



MEDIAN NOSE
MARKING TYPICAL DETAIL
NTS



CHEVRON ISLAND DETAIL
NTS



PAVEMENT SYMBOL MARKING DETAILS
NTS

AS BUILT INFORMATION

CONTRACTOR	DATE
WORK STAKED BY	DATE
INSPECTOR ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

THE STA. MARK IS A STANDARD COA BRASS TABLET STAMPED "14-F14" SET IN TOP CONCRETE POST FLUSH WITH THE SURFACE. THE STA. IS LOCATED 7' EAST OF THE MEDIAN NOSE, IN THE MIDDLE OF THE EAST BOUND TO NORTH BOUND TURNLANE OF MONTANO BLVD. AND 4TH STREET. X=383162.85, Y=1505911.96, EL=4974.079, GRN TO GRID FACTOR .999677778 (2ND ORDER).

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

HDR INC.

DESIGNED BY: COA DATE: 12/01/04
DRAWN BY: DAS DATE: 12/01/04
CHECKED BY: PJB DATE: 12/01/04

NOTICE OF EXTENDED PAYMENT PROVISION

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HDR
2155 LOUISIANA BLVD., NE
SUITE #500
ALBUQUERQUE, NM 87110
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FAX: (505) 884-3969

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: 4TH ST. & MONTANO BLVD. INTERSECTION IMPROVEMENTS
TRANSPORTATION IMPROVEMENTS
PERMANENT STRIPING DETAILS

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

City Project No.	Zone Map No.	Sheet	Of
5900.92	F-14	10	11

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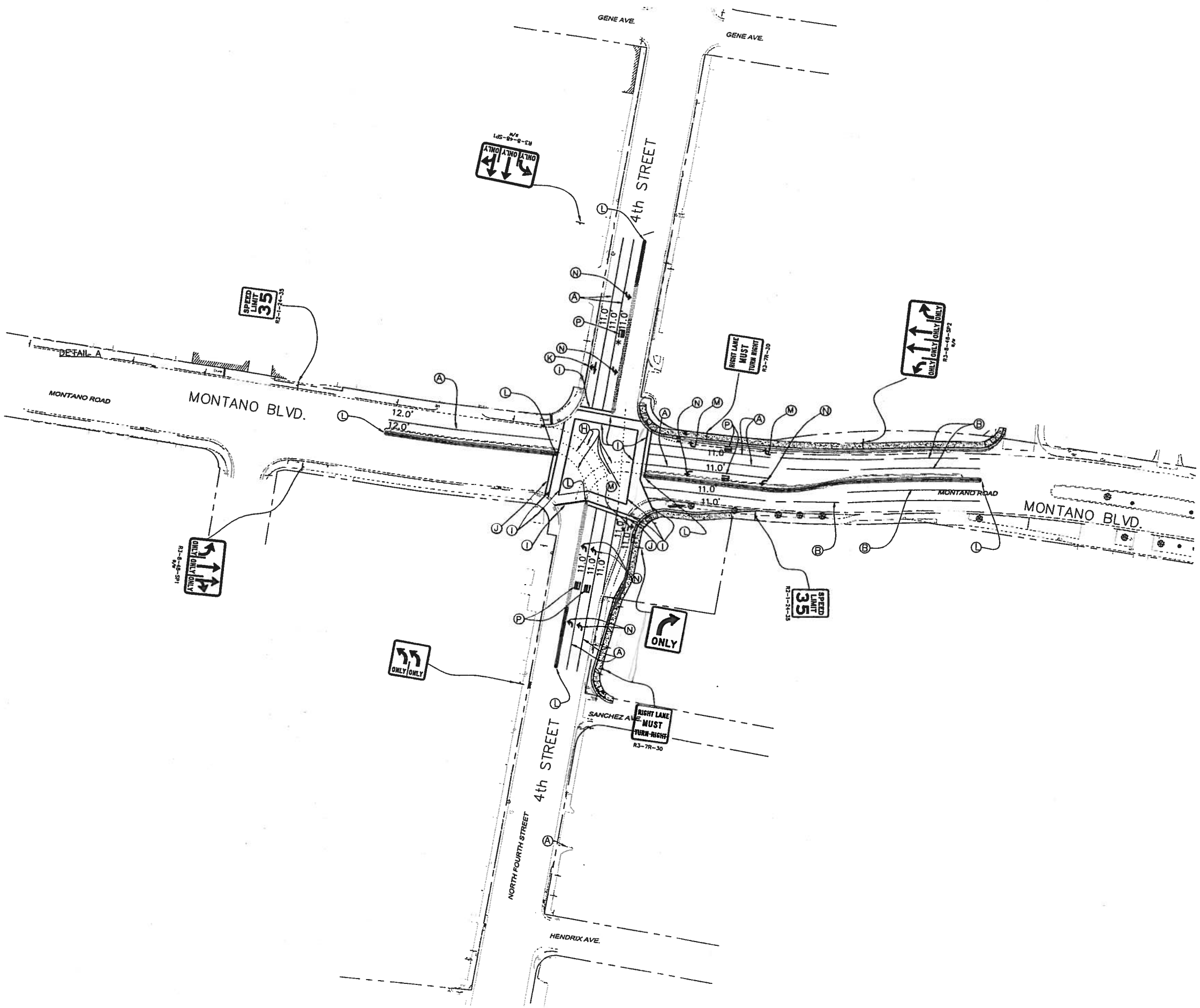

STRIPING LEGEND

- (A) 4" SOLID WHITE RETROREFLECTORIZED PAINTED STRIPE
- (B) 4" DASHED WHITE RETROREFLECTORIZED PAINTED STRIPE
- (C) 4" SOLID YELLOW RETROREFLECTORIZED PAINTED STRIPE
- (D) 4" DASHED YELLOW RETROREFLECTORIZED PAINTED STRIPE
- (E) 4" SOLID DOUBLE YELLOW RETROREFLECTORIZED PAINTED STRIPE
- (F) 4" SOLID & DASHED YELLOW RETROREFLECTORIZED PAINTED STRIPE
- (G) 8" SOLID WHITE RETROREFLECTORIZED PLASTIC STRIPE
- (H) 8" SOLID WHITE DOTTED RETROREFLECTORIZED PLASTIC STRIPE
- (I) 12" SOLID WHITE RETROREFLECTORIZED PLASTIC STRIPE
- (J) 24" SOLID WHITE RETROREFLECTORIZED PLASTIC STRIPE
- (K) RETROREFLECTORIZED PLASTIC COMBO (THRU & RT) ARROW
- (L) SOLID YELLOW RETROREFLECTORIZED PAINTED NOSE
- (M) RETROREFLECTORIZED PLASTIC RIGHT ARROW
- (N) RETROREFLECTORIZED PLASTIC LEFT ARROW
- (P) RETROREFLECTORIZED PLASTIC WORD (ONLY)

NOTES:

1. REFER TO SHEET 58 AND TO SIGNAL PLANS FOR STREET NAME SIGNS.

20' 10' 0 20' 40'

SCALE: 1" = 20'

AS BUILT INFORMATION

	DATE
CONTRACTOR	
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DRAWINGS CORRECTED BY	
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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: 4TH ST. & MONTANO BLVD. INTERSECTION IMPROVEMENTS
TRANSPORTATION IMPROVEMENTS
PERMANENT SIGNING AND STRIPING PLAN

Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 590092 | Zone Map No. F-14 | Sheet 11 Of 11

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