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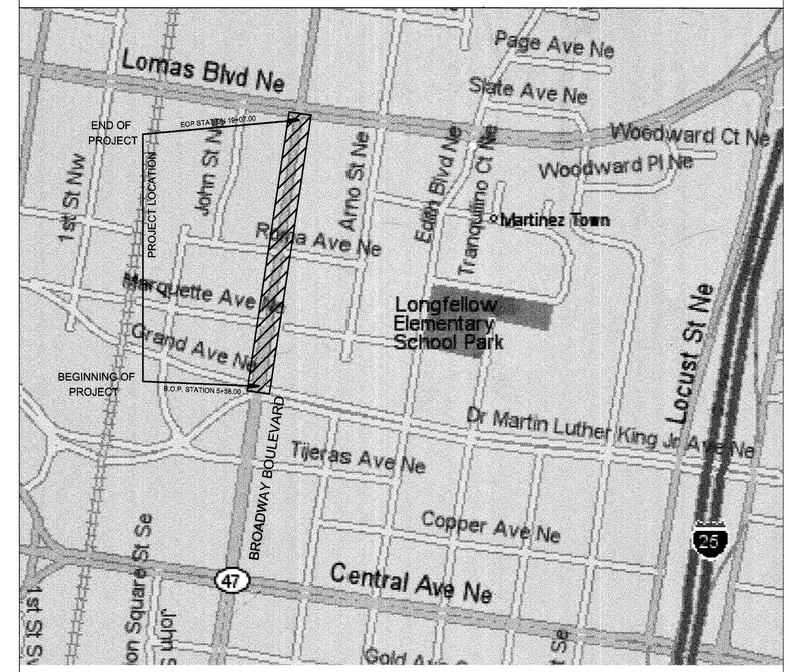
CONSTRUCTION PLANS
FOR
BROADWAY BOULEVARD
MARTIN LUTHER KING JR. AVENUE TO
LOMAS BOULEVARD

PUBLIC WORKS DEPARTMENT
CITY OF ALBUQUERQUE

COA PROJECT NO. 589191

VICINITY MAP

ZONE ATLAS J-14-Z & K-14-Z



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GENERAL NOTES:

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THE 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 AS REVISED THROUGH UPDATE #6.

2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

3. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, INC. @ 260-1990 FOR LOCATION OF EXISTING UTILITIES.

4. TRAFFIC CONTROL: 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. THE CONTRACTOR SHALL NOTIFY THE BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.

5. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS SHOWN IN THE PLANS.

6. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.

7. THE CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. THE CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.

8. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES OF ANY ADJUSTMENT OR RELOCATION OF EXISTING UTILITIES REQUIRED DUE TO THE CONSTRUCTION OPERATIONS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR WORK. NO ADDITIONAL COSTS WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY CREWS.

9. EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.

10. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL BECOME INFORMED OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY THE FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCE, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES, IN PLANNING AND CONDUCTING EXCAVATION OPERATIONS, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "NEW MEXICO ONE CALL SYSTEMS, INC." PROCEDURES, OR OTHERWISE.

11. THE CONTRACTOR SHALL CONFINE HIS WORK WITHIN THE STREET RIGHT-OF-WAY. OVERNIGHT PARKING OF THE CONTRACTOR'S EQUIPMENT SHALL NOT OBSTRUCT ACCESS ROADS OR TRAFFIC LANES.

12. THE CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. THE CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

13. ORANGE BARREL POLICY (#PW-021). CERTAIN PORTIONS OF THE WORK COVERED BY THESE DRAWINGS MAY BE AFFECTED BY THE CITY ORANGE BARREL POLICY FOR CIP PROJECTS AS DETERMINED BY THE PUBLIC WORKS DEPARTMENT DURING THE WORK ORDER PHASE AND IN CONJUNCTION WITH SECURING A BARRICADING PERMIT FOR THE WORK.

14. THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF THE SURVEY MONUMENTS. THE CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MARKERS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, THE CONTRACTOR SHALL, AT HIS EXPENSE ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

15. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT BUSINESSES, PROPERTIES, ALLEYS AND CROSS ROADS DURING CONSTRUCTION.

16. ALL BORROW AND SURFACING MATERIALS SHALL BE OBTAINED FROM CITY APPROVED COMMERCIAL SOURCES.

17. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.

18. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION (857-8200) FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION THREE (3) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.

SUGGESTED CONSTRUCTION SEQUENCE

1. CONSTRUCT CURB & GUTTER AND SIDEWALK AT THE FOLLOWING LOCATIONS:
   East-side, between MLK and Roma Avenue
   East-side, between Roma Avenue and turnout to McDonald's
   West-side, between MLK and Roma Avenue
2. CONSTRUCT SIDEWALK ON WEST SIDE BETWEEN ROMA AVE. AND LOMAS BLVD.
3. REMOVE MEDIAN BETWEEN MLK AND MARQUETTE AVENUE.
4. CLOSE NORTH BOUND LANES AND PLACE PAVEMENT.
5. CLOSE SOUTH BOUND LANES AND PLACE PAVEMENT.

TRAFFIC LUMINARE RELOCATION

CONTRACTOR TO COORDINATE STREET LUMINARE RELOCATION WITH PNM.

TRAFFIC NOTES

1. THE CONTRACTOR SHALL RESTRICT THE LANE CLOSURES TO BETWEEN THE HOURS OF 9:00am AND 3:00pm.
2. THE CONTRACTOR SHALL HAVE TWO LANES OPEN IN EACH DIRECTION ON BROADWAY BOULEVARD AT THE END OF THE DAY.
3. IF THE CONTRACTOR MUST MAINTAIN A LANE CLOSED TO TRAFFIC AT THE END OF THE EXPECTED WORK SHIFT DUE TO A SAFETY CONCERN, THEN THE CONTRACTOR MUST CONTINUOUSLY WORK ON A 24-HOUR PER DAY BASIS UNTIL ALL LANES ARE OPENED TO TRAFFIC.
4. THE CONTRACTOR SHALL ACCOMPLISH AS MUCH WORK AS POSSIBLE PRIOR TO STARTING CONSTRUCTION OPERATIONS THAT WILL AFFECT TRAFFIC. THE CONTRACTOR SHALL PROVIDE A LISTING OF SUCH WORK TO THE CITY PROJECT MANAGER AND ENGINEER FOR APPROVAL PRIOR TO STARTING CONSTRUCTION OPERATIONS.
5. THE CONTRACTOR SHALL MAINTAIN LEFT-TURN LANES, AT ALL TIMES, AT THE BROADWAY/MARTIN LUTHER KING AND BROADWAY/LOMAS INTERSECTIONS.
6. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE LANE OPEN IN BOTH DIRECTION AT ALL TIMES.

UTILITY COMPANIES

PUBLIC SERVICE COMPANY OF NEW MEXICO (GAS SERVICES & GAS LINES) - 241-7752 - (ELISABETH GABEL)
PUBLIC SERVICE COMPANY OF NM (ELECTRICAL SERVICES & ELECTRIC LINES) - 241-3334 - (ROCKY FERRAN)
Qwest/US WEST (TELEPHONE SERVICES) - 245-8706 - (DAVID MULLER)
AT&T (TELEPHONE SERVICES) - 842-2911 - (DAVID CROWEL)
MCI WORLDCOM (TELEPHONE SERVICES) - 346-4476 - (ANDY DARNELL)
CITY NET TELECOMMUNICATIONS (TELEPHONE SERVICES) - 991-2120 - (JOSHUA NELSON)
COMCAST (CABLE TELEVISION) - 761-6235 (RITA ERICKSON)
TIME WARNER TELECOM (CABLE TELEVISION) - 938-7339 (ROYAL HARRISON)
CITY OF ALBUQUERQUE (UTILITY DEVELOPMENT) - 768-2719 - (GREG OLSON)
E. SPIRE - 998-2274 - JOHN MARES
McLEOD USA - 244-3161 - RICK MUELLER

FOR INFORMATION ONLY

INDEX TO DRAWINGS

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13 - 21 of 21	LANDSCAPING PLANS

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

ENGINEERS STAMP & SIGNATURE

MIKE E. BRAZIE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 7-17-02

APPROVALS	ENGINEER	DATE
DRC Chairman		9-9-02
Transportation	Tom Blaine	08/01/02
Water/Wastewater	Billy G. Gonzales	7-22-02
Hydrology	Carlos A Montoya	8-2-02
CIP		
Constr. Mngmt.		
Constr. Coord.		9-9-02

* * * * * * * *

APPROVED FOR CONSTRUCTION

7/9/02

City Engineer Date

City Project No. 589191

Sheet 1 Of 21

Harding ESE
MACTEC COMPANY
6400 Uptown Boulevard
Suite 310E
Albuquerque, New Mexico 87110
Telephone: 505/248-0017
Fax: 505/248-0021
Home Page: www.mactec.com

SUMMARY OF QUANTITIES

ITEM NO.	SHORT DESCRIPTION	LONG DECRIPTION	UNIT	PROJECT TOTAL ESTIMATE	PROJECT TOTAL FINAL
4.010	STKG	CONSTRUCTION STAKING	LS	1	
4.020	SURVEY	Construction Surveying, Compl.	LS	1	
6.010	CONST SIGN	Construction Project Sign, per Contract Special Provisions, cip	EA	1	
6.050	MOB	Construction Mobilization, compl.	%	incidental	
6.060	DEMOB	Construction Demobilization, compl.	%	incidental	
19.010	TRAFF CONT & BARR	Construction Control & Barricading, compl.	%	incidental	
116.010	ART ASP CONC TYPE A	Arterial Asphalt Concrete Type A, Complete	TON	4060	
116.012	ART ASP CONC TYPE B	Arterial Asphalt Concrete Type B, Complete	TON	4060	
205.010	FILL, BORROW, HAUL & COMP	Borrow, Hauling & Compaction of suitable fill material when not obtained from within limits of construction, compl.	CY	650	
301.025	SUBGRADE PREP. 12" W/EXIST AC PAVE	Subgrade Prep. 12" at 95% compaction, using existing pulvarized & mixed asphalt pavement	SY	11,500	
302.010	ABS, 6"	Aggregate Base Course, crushed, 6" at 95% compaction, cip. SD 2408	SY	6900	
302.030	REM & REPL EXT ABS	Remove and replace existing aggregate, cip	SY	6900	
336.010	PRIME CT	Prime Coat, emulsified asphalt, cip.	SY	6900	
336.120	TACK CT	Tack Coat, catonic emulsified asphalt, cip.	SY	6900	
340.010	SDWK, 4", PCC	Sidewalk, 4" thick, Portland Cement Concrete, incl. subgrade compaction, cip. SD 2430	SY	1047	
340.020	DRVPD, 6", PCC	Drivepad, 6" thick, Portland Cement Concrete, incl. subgrade compaction, cip. SD 2425	SY	420	
340.025	WLCHR ACC RAMP, 4" PCC	Wheelchair Access Ramp, 4" PCC, Std. Curb., cip. SD 2418	EA	9	
340.050	C&G, STD, PCC	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	LF	1570	
340.060	C&G, MDN, PCC	Curb & Gutter, Median, Portland Cement Concrete, cip. SD 2408	LF	2470	
340.300	4" MED PVMT, PCC	4" Median Pavement, Portland Cement Concrete, incl. subgrade compaction. cip.	SY	1035	
343.075	CURB & GUT, PCC, R&D	Existing Curb and Gutter, PC Concrete, remove, dispose & replace	LF	1570	
343.085	SDWK, 4" PCC , R&D	Existing Sidewalk, 4", PC Concrete, remove & dispose	SY	700	
343.090	SDWK & DRVPD, SAW, R&D	Existing Sidewalk & Drivepad, sawcut, remove and dispose, compl.	SY	360	
343.132	ART PVMT, R&R, W/M	Arterial Pavement, Existing, Remove and replace, incl. 2" extra asphalt thickness, with machine laydown, & with processing existing subbase material, any thickness, cip.	SY	6900	
343.140	SAW AC PVMT,<6"	Sawcut AC Pavement, 6" thickness or less. compl	LF	1750	
346.110	4" MED PVMT, CLR,PCC	4" Median Pavement, Colored Portland Cement Concrete, incl. subgrade compaction. cip.	SY	207	
347.020	BRICK SW, CONC BED	Brick Sidewalk on Conc. bed, incl. subgrade prep. & header brick, cip.	SF	774	
410.030	CH LK FNC, REM & REINST	Existing Chain Link Fence, remove and reinstall, compl.	SF	3000	
422.132	ST LT REM & REL	Street Light Standard, any size, Remove and Relocate, compl.	EA	10	
424.005	EL CON 2" TBP	Electricl Conduit, 2", incl. Trenching, backfill, cip.	LF	1500	
427.102	TSA REM & REL	Traffic Signal Assembly, any size, Remove and Relocate, compl.	EA	3	
428.031	PREF DTR LP 6X20	Preformed Detector Loop, 6x20, cip.	EA	1	
429.102	SIG CONT REM & REL	Signal controller, any type, Remove & Relocate, compl.	EA	5	
440.011	REF PNT ARW RT	Reflectorized Painted Arrow, Right, cip.	EA	2	
440.012	REF PNT ARW LT	Reflectorized Painted Arrow, Left, cip.	EA	5	
440.013	REF PNT ARW TH	Reflectorized Painted Arrow, Thru, cip.	EA	24	
440.021	REF PNT WD ONLY	Reflectorized Painted Word, Only, cip.	EA	8	
440.031	REF PNT SYM BIKE	Reflectorized Painted Symbol, Bicycle, cip.	EA	12	
440.041	ADH MRK TP CSTR	Adhesive Marking Tape for Construction Zones, cip.	LF	incidental	
441.001	REF PLAS MRK 4"	Reflectorized Plastic Pavement Markings, 4" width, cip.	LF	2665	
441.001	REF PLAS MRK 4"	Reflectorized Plastic Pavement Markings(BROKEN), 4" width, cip.	LF	1593	
441.004	REF PLAS MRK 12"	Reflectorized Plastic Pavement Markings, 12" width, cip.	LF	210	
441.007	REF PLAS MRK 24"	Reflectorized Plastic Pavement Markings, 24" width, cip.	LF	90	
443.101	REM PAV STRP	Removal of Pavement Stripe, any width, painted or plastic, compl.	LF	3500	

ITEM NO.	SHORT DESCRIPTION	LONG DECRIPTION	UNIT	PROJECT TOTAL ESTIMATE	PROJECT TOTAL FINAL
450.001	ALM PNL SGN	Aluminum Panel Sign, cip.	SF	80	
450.010	SQ TB POST	Square Tube Posts & Base Posts for Aluminum Panel Sign, cip.	LF	180	
450.102	SGN & POST, REM & RELOC	Sign, Post, & Base Post, Remove and Relocate, compl.	EA	15	
801.111	WTR VAL BOX, ADJ	Valve box, Adjust to Grade, cip. SD 2332	EA	23	
801.112	WTR VAL, RG & CVR, ADJ	Valve box, Ring & Cover, Adjust to Grade, cip. SD 2328	EA	23	
801.118	EXST FH, REM & REL	Fire Hydrant, Existing, Remove & Relay, compl.	EA	5	
802.500	3/4" – 1" WTR MTR BOX	Water Meter Box, 3/4"–1" , incl conc pad, cover & pad cip SD 2367	EA	8	
802.570	WTR MTR BOX, REM & PEPL	Water Meter Box, Remove and Replace, incl. cover & lid, compl.	EA	8	
910.005	18" RCP, III	18" Reinforced Concrete Pipe, Class III, Furnish and Place in trench	LF	151	
915.010	CTH BSN, A, SG	Catch Basin, Type "A", Single Grate, cip. SD 2201	EA	8	
915.070	CTH BSN, REM	Catch basin, Existing, Remove and Dispose, any type, incl. cleanup, compl., SD 2200	EA	8	
920.420	MH F&C, ADJ W/MSRNY,>2"	Existing Manhole Frame & Cover, adjust to grade with masonry, over 2", cip. sd 2111	EA	13	

FOR INFORMATION ONLY

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

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
MARK E. BRAZIE NEW MEXICO 9376 REGISTERED PROFESSIONAL ENGINEER 9/19/02

NO.	REMARKS	BY
	REVISIONS	

DESIGN
DESIGNED BY C.O.A. STANDARDS DATE
DRAWN BY F. MARQUEZ DATE
CHECKED BY M.BRAZIE DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
SUMMARY OF QUANTITIES

DESIGN REVIEW COMMITTEE: SEP - 9 2002
CITY ENGINEER APPROVAL: SEP - 9 2002
LAST UPDATE MO./DAY/YR. MO./DAY/YR.

PROJECT NO. 589191 | MAP NO. J-14-Z | SHEET 2 OF 21

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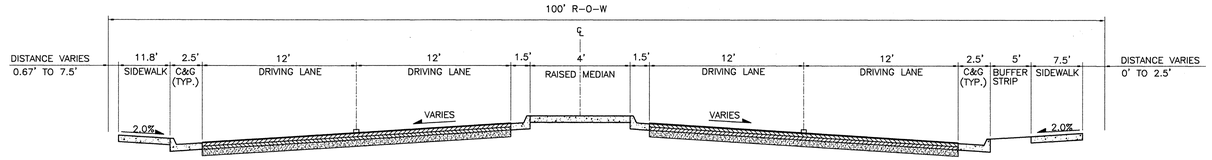
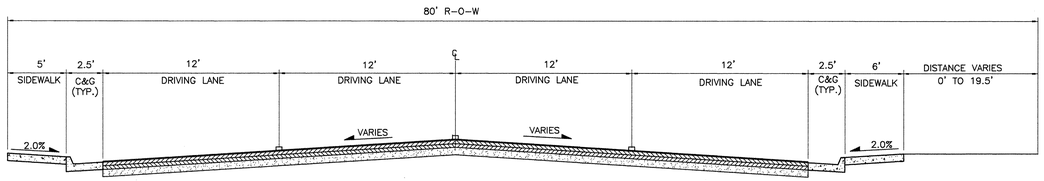


EXISTING TYPICAL SECTION – BROADWAY BOULEVARD
BETWEEN MARTIN LUTHER KING JR. DRIVE AND MARQUETTE AVENUE

STA. B.O.P. TO 8+40

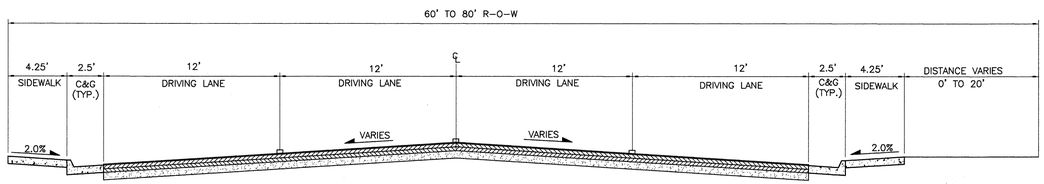
NOT TO SCALE



EXISTING TYPICAL SECTION – BROADWAY BOULEVARD
BETWEEN MARQUETTE AVENUE AND ROMA AVENUE

STA. 8+40 TO 12+00

NOT TO SCALE

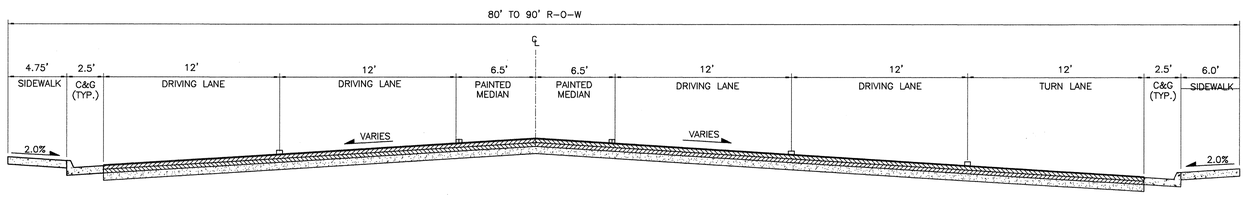


EXISTING TYPICAL SECTION – BROADWAY BOULEVARD

BETWEEN ROMA AVENUE AND LOMAS BOULEVARD

STA. 12+00 TO 17+00

NOT TO SCALE



EXISTING TYPICAL SECTION – BROADWAY BOULEVARD

BETWEEN ROMA AVENUE AND LOMAS BOULEVARD

17+00 TO E.O.P.

NOT TO SCALE

FOR INFORMATION ONLY

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

25-J14 LOCATED AT THE ESE QUADRANT OF LOMAS & BROADWAY NE

ELEVATION 4954.26

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

MIKE E. BRAZIE 9376 REGISTERED PROFESSIONAL ENGINEER

REVISIONS

NO.		BY

DESIGNED BY	F. MARQUEZ	DATE
DRAWN BY	F. MARQUEZ	DATE
CHECKED BY	M.BRAZIE	DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **BROADWAY MEDIANS**
LOMAS TO MARTIN LUTHER KING JR.
TYPICAL SECTIONS–EXISTING

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR.	MO./DAY/YR.
SEP - 9 2002	SEP - 9 2002			

PROJECT NO.	MAP NO.	SHEET	OF
589191	J-14-Z	3	21

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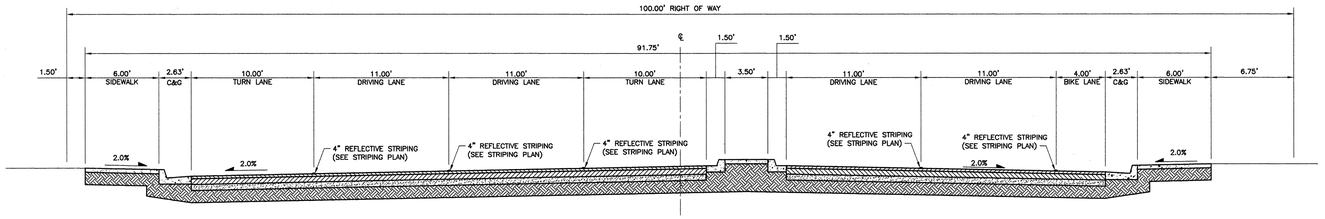
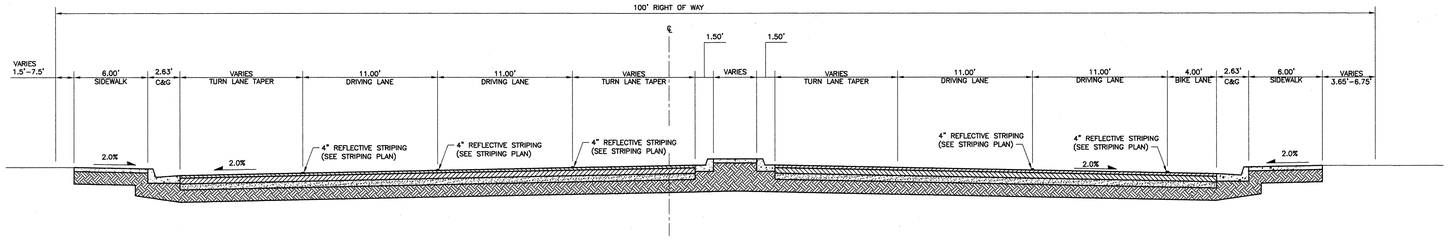
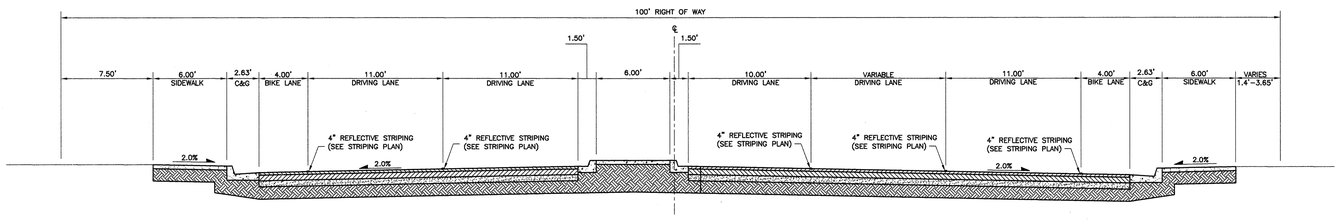


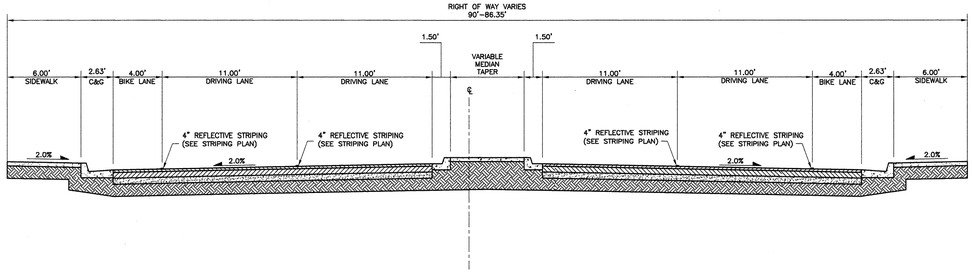
PROPOSED TYPICAL SECTION – BROADWAY BOULEVARD
NORTH OF MARTIN LUTHER KING JR. AVENUE
NOT TO SCALE
STA 5+58.50 TO 6+33.50



PROPOSED TYPICAL SECTION – BROADWAY BOULEVARD
NORTH OF MARTIN LUTHER KING JR. AVENUE
NOT TO SCALE
STA 6+33.50 TO 7+48.12



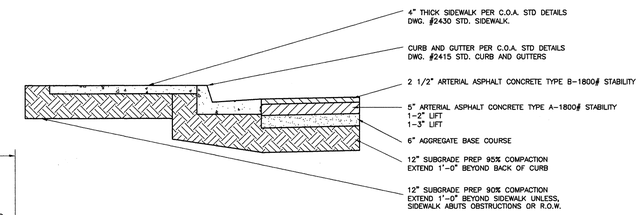
PROPOSED TYPICAL SECTION – BROADWAY BOULEVARD
SOUTH OF MARQUETTE AVENUE
NOT TO SCALE
STA 7+48.12 TO 8+23.12



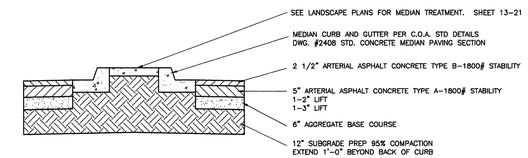
PROPOSED TYPICAL SECTION – BROADWAY BOULEVARD
NORTH OF MARQUETTE AVENUE
NOT TO SCALE
STA 8+97.77 TO 10+31.59

NOTES

1. COMPACTION IN CITY OR STTE R-O-W SHALL MEET OR EXCEED MINIMUM SPECIFIED REQUIREMENTS. 95% COMPACTION
2. CURB AND GUTTER PER C.O.A. STD DETAILS DWG. #2415 STD. CURB AND GUTTERS
3. MEDIAN CURB AND GUTTER PER C.O.A. STD. DETAILS DWG. #2408 STD. CONCRETE MEDIAN PAVING SECTION
4. SEE PAVEMENT PLAN AND PROFILE SHEETS FOR LIMITS OF NEW PAVEMENT CONSTRUCTION.
5. SEE LANDSCAPE PLANS FOR MEDIAN TREATMENT. SHEET 13-21
6. SEE PLAN AND PROFILE SHEETS FOR LIMITS OF TYPICAL SECTIONS.



TYPICAL CURB AND GUTTER DETAIL
NOT TO SCALE



TYPICAL MEDIAN-CURB AND GUTTER DETAIL
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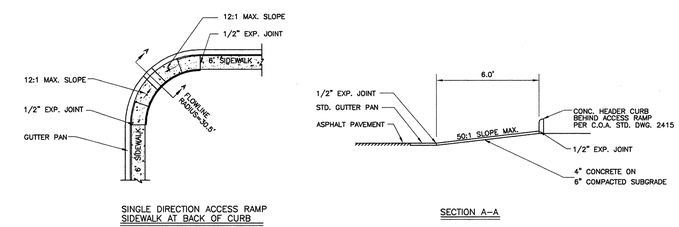


SINGLE DIRECTION ACCESS RAMP
SIDEWALK AT BACK OF CURB
C.O.A. STD. DWG 2418

SECTION A–A

TYPICAL ACCESS RAMP–CURB AND GUTTER DETAIL
NOT TO SCALE

FOR INFORMATION ONLY

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
25-J14 LOCATED AT THE ESE QUADRANT OF LOMAS & BROADWAY NE
ELEVATION 4954.26

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
MICHAEL E. BRAZIE
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
9376

REVISIONS
NO. | BY

DESIGNED BY F.MARQUEZ DATE
DRAWN BY F.MARQUEZ DATE
CHECKED BY M. BRAZIE DATE

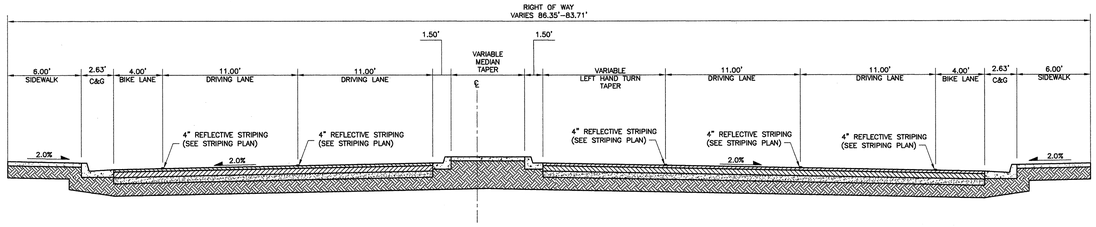
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
TYPICAL SECTIONS–PROPOSED

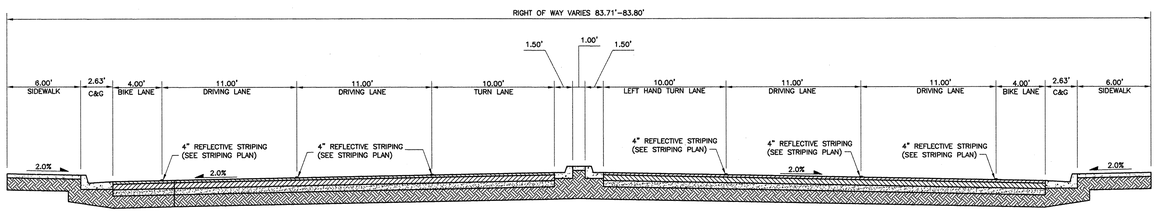
DESIGN REVIEW COMMITTEE: SEP - 9 2002
CITY ENGINEER APPROVAL: SEP - 9 2002 CITY
LAST UPDATE | MO./DAY/YR. | MO./DAY/YR.

PROJECT NO. 589191 | MAP NO. J-14-Z | SHEET 4 OF 21

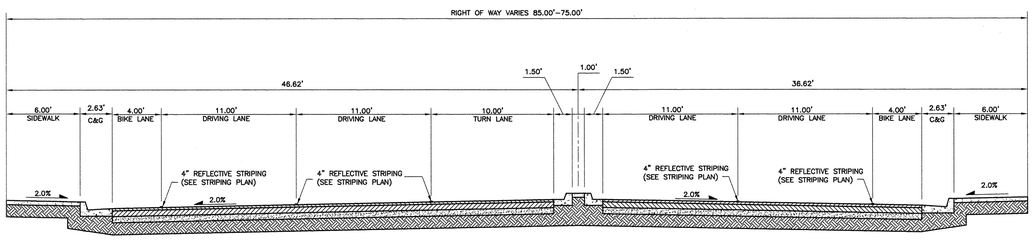
P:\40000\42964\CAD\FSM2002\05-21.DWG



PROPOSED TYPICAL SECTION – BROADWAY BOULEVARD
SOUTH OF ROMA AVENUE
NOT TO SCALE
STA 10+31.59 TO 11+08.37



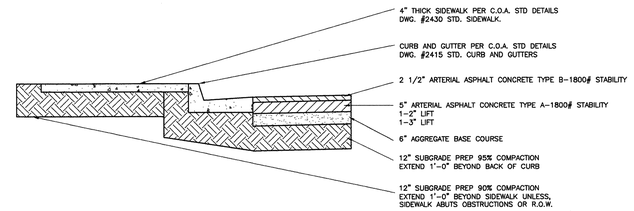
PROPOSED TYPICAL SECTION – BROADWAY BOULEVARD
SOUTH OF ROMA AVENUE
NOT TO SCALE
STA 11+08.37 TO 11+83.37



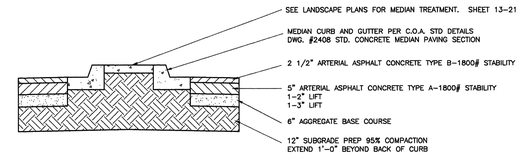
PROPOSED TYPICAL SECTION – BROADWAY BOULEVARD
NORTH OF ROMA AVENUE
NOT TO SCALE

NOTES

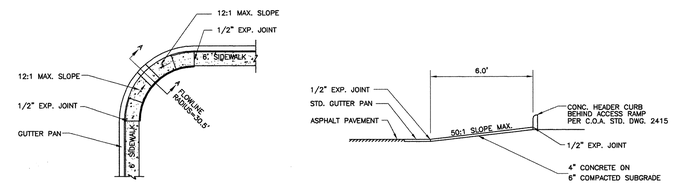
1. COMPACTION IN CITY OR SITE R-O-W SHALL MEET OR EXCEED MINIMUM SPECIFIED REQUIREMENTS. 95% COMPACTION
2. CURB AND GUTTER PER C.O.A. STD DETAILS DWG. #2415 STD. CURB AND GUTTERS
3. MEDIAN CURB AND GUTTER PER C.O.A. STD. DETAILS DWG. #2408 STD. CONCRETE MEDIAN PAVING SECTION
4. SEE PAVEMENT PLAN AND PROFILE SHEETS FOR LIMITS OF NEW PAVEMENT CONSTRUCTION.
5. SEE LANDSCAPE PLANS FOR MEDIAN TREATMENT. SHEET 13-21
6. SEE PLAN AND PROFILE SHEETS FOR LIMITS OF TYPICAL SECTIONS.



TYPICAL CURB AND GUTTER DETAIL
NOT TO SCALE



TYPICAL MEDIAN-CURB AND GUTTER DETAIL
NOT TO SCALE



SINGLE DIRECTION ACCESS RAMP
SIDEWALK AT BACK OF CURB
C.O.A. STD. DWG 2418

SECTION A-A

TYPICAL ACCESS RAMP-CURB AND GUTTER DETAIL
NOT TO SCALE

FOR INFORMATION ONLY

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
25-J14 LOCATED AT THE ESE
QUADRANT OF LOMAS & BROADWAY NE
ELEVATION 4954.26

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
ALICE E. BRAZIE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 9376

REVISIONS

NO.		BY

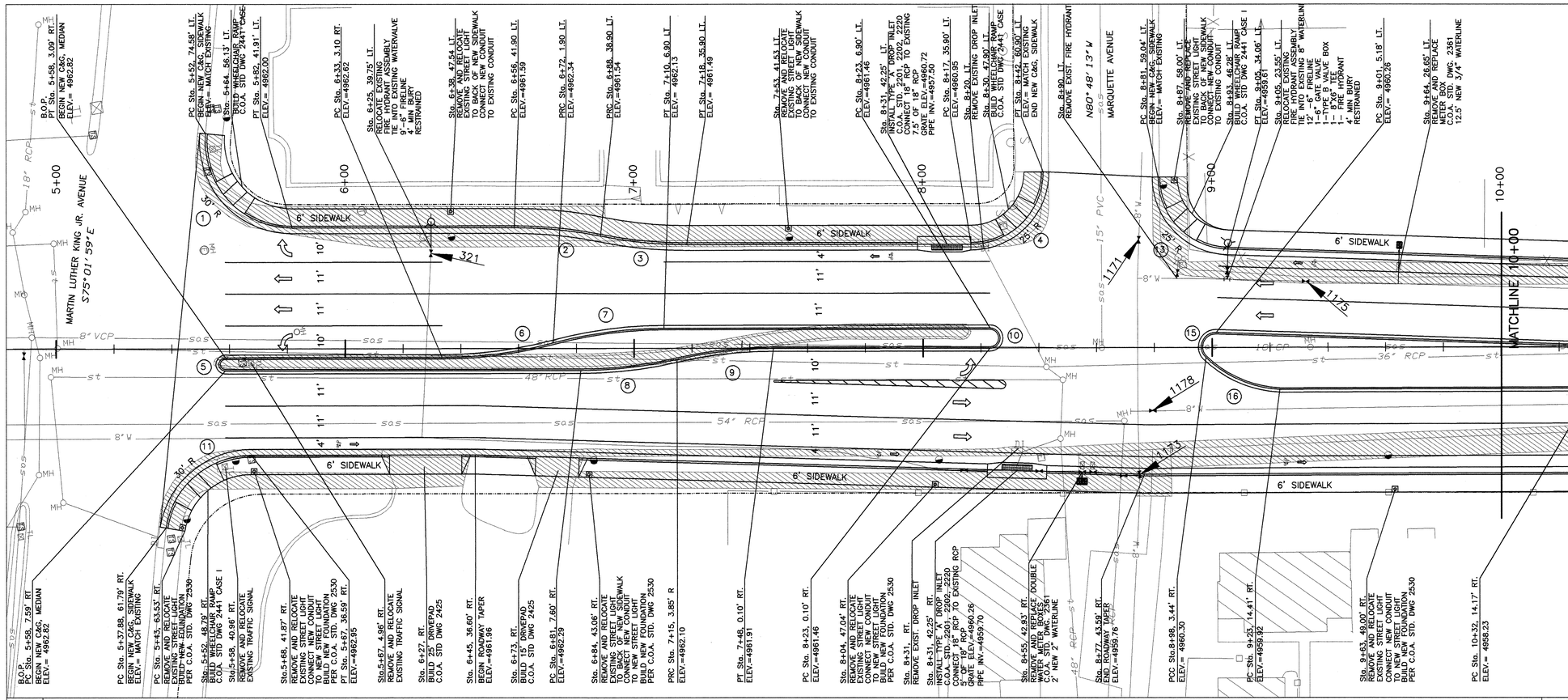
DESIGNED BY F.MARQUEZ DATE
DRAWN BY F.MARQUEZ DATE
CHECKED BY M. BRAZIE DATE

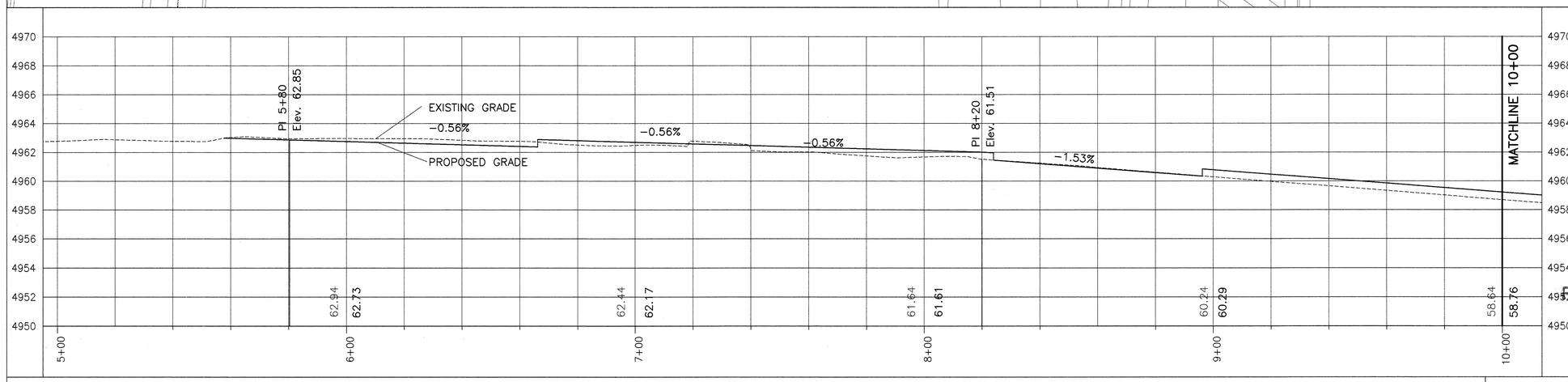
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
TYPICAL SECTIONS-PROPOSED

DESIGN REVIEW COMMITTEE: SEP - 9 2002 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: SEP - 9 2002
LAST UPDATE — MO./DAY/YR. — MO./DAY/YR.

PROJECT NO. 589191 | MAP NO. J-14-Z | SHEET 5 OF 21





- EXISTING ELECTRIC BOX/TRANSFORMERS
- EXISTING TRAFFIC SIGNAL
- EXISTING TRAFFIC SIGNAL CONTROL BOX
- EXISTING MANHOLE
- EXISTING STREET LUMINARE
- PROPOSED STREET LUMINARE LOCATION
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT RELOCATION
- EXISTING WATER METER
- PROPOSED WATER METER LOCATION
- EXISTING DROP INLET
- PROPOSED DROP INLET
- EXISTING ENTITIES LINETYPE
- PROPOSED ENTITIES LINETYPE
- AREAS OF REMOVAL
- R-O-W

① R=30.00' L=49.79' Δ=95.10' T=32.80'
② R=150.00' L=30.05' Δ=11.48' T=15.08'
③ R=150.00' L=30.05' Δ=11.48' T=15.08'
④ R=25.00' L=39.27' Δ=90.00' T=25.00'
⑤ R=2.25' L=7.07' Δ=180.00' T=n/a
⑥ R=150.00' L=38.85' Δ=14.84' T=19.53'
⑦ R=150.00' L=38.85' Δ=14.84' T=19.53'
⑧ R=150.00' L=33.61' Δ=12.84' T=16.88'
⑨ R=150.00' L=33.61' Δ=12.84' T=16.88'
⑩ R=30.00' L=49.79' Δ=95.10' T=n/a
⑪ R=30.00' L=42.29' Δ=80.46' T=25.52'
⑫ R=25.00' L=38.41' Δ=88.03' T=24.15'
⑬ R=4.50' L=10.87' Δ=138.41' T=11.85'
⑭ R=40.00' L=28.14' Δ=40.70' T=14.84'

NOTE:

CONTRACTOR TO FIELD PROVIDE DETAIL SHOP DRAWING OF STORM DRAIN CONNECTIONS AT ALL ANGULAR CONNECTIONS.

VALVE SHUT-OFF PLAN

1. CONTRACTOR WILL CONTACT WATER SYSTEMS AT 857-8200 SEVEN (7) WORKING DAYS PRIOR TO NECESSARY SHUT-OFF.
2. VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES.
3. TURN OFF VALVES 321, 1171, 1173, 1175, & 1178 AS SHOWN ABOVE.
4. VALVE NUMBERS WERE TAKEN FROM ALBUQUERQUE WATER DISTRIBUTION SYSTEM SECTIONAL MAPS, GRID J-14, AND ARE SUBJECT TO CORRECTION.

RESTRAINED JOINT LENGTHS FOR BENDS, VALVES, DEAD ENDS (FT.)

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	3'	2'	46'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAINED BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTHS FOR TEES (FT.) VALVES, DEAD ENDS (FT.)

PIPE SIZE	RUN	BRANCH
8"x8"x6"	7'	5'

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

25-J14 LOCATED AT THE ESE QUADRANT OF LOMAS BLVD. & BROADWAY NE
ELEVATION 4954.26

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

MIKE E. BRAZIE
NEW MEXICO
NO. 10175
REGISTERED PROFESSIONAL ENGINEER
7-17-02

NO.	REMARKS	BY
	REVISIONS	
	DESIGN	

		DATE
DESIGNED BY	F. MARQUEZ	DATE
DRAWN BY	F. MARQUEZ	DATE
CHECKED BY	MIKE E. BRAZIE	DATE

C.O.A. STANDARDS

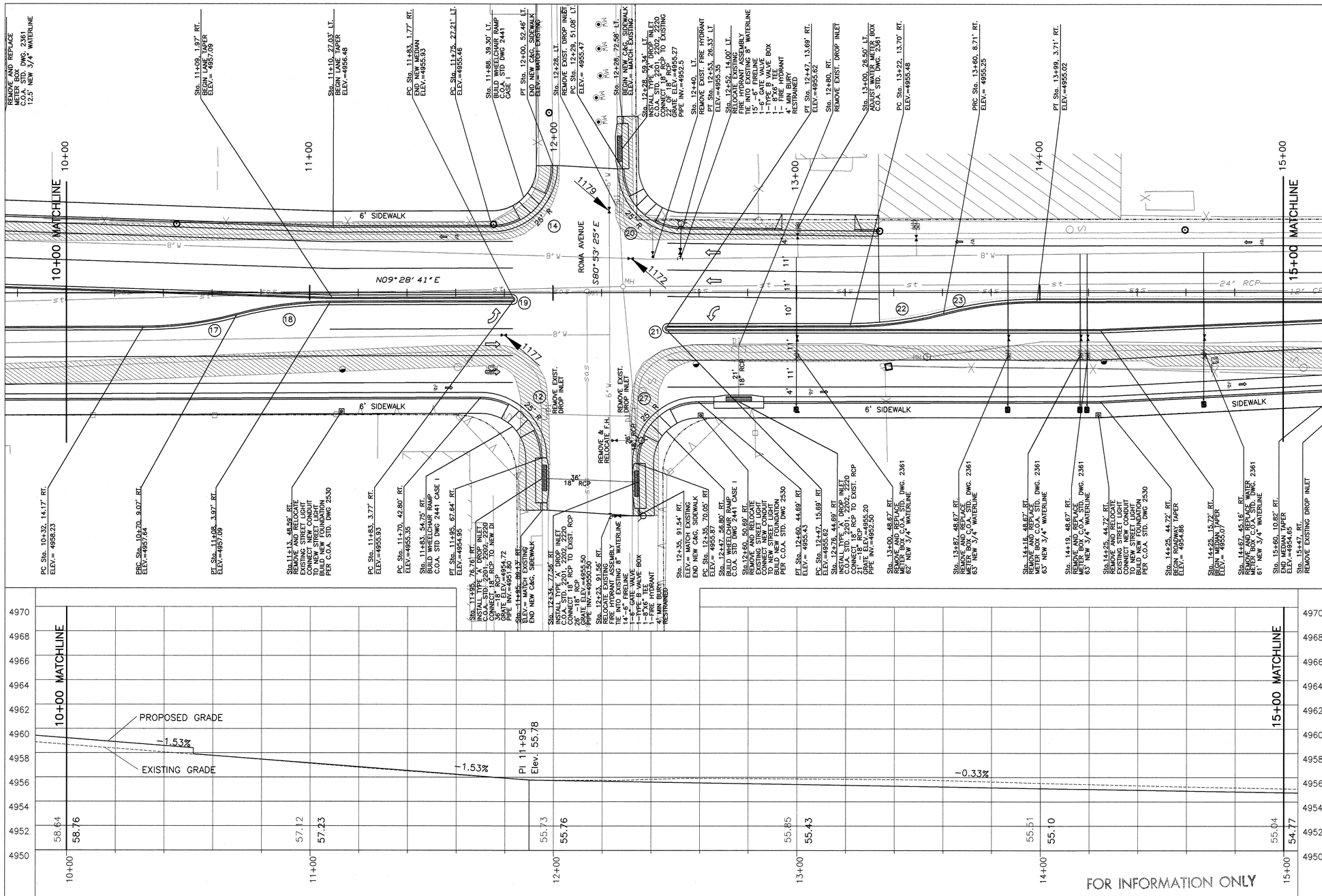
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
PAVEMENT PLAN AND PROFILE

DESIGN REVIEW COMMITTEE: SEP - 9 2002 — DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: SEP - 9 2002 — CITY

LAST UPDATE: MO./DAY/YR. MO./DAY/YR.

PROJECT NO. 589191 | MAP NO. J-14-Z | SHEET 6 OF 21



GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

EXISTING ELECTRIC BOX/TRANSFORMERS
EXISTING TRAFFIC SIGNAL
EXISTING TRAFFIC SIGNAL CONTROL BOX
EXISTING MANHOLE
EXISTING STREET LUMINARE
PROPOSED STREET LUMINARE LOCATION
EXISTING WATER VALVE
EXISTING FIRE HYDRANT
PROPOSED FIRE HYDRANT RELOCATION
EXISTING WATER METER
PROPOSED WATER METER LOCATION
EXISTING DROP INLET
PROPOSED DROP INLET
EXISTING ENTITIES LINETYPE
PROPOSED ENTITIES LINETYPE
AREAS OF REMOVAL
R-O-W

⑫ R=25.00' L=39.17' Δ=89.76° T=24.90'
⑭ R=25.00' L=39.46' Δ=90.43° T=25.19'
⑰ R=150.00' L=38.85' Δ=14.84° T=19.53'
⑲ R=150.00' L=38.85' Δ=14.84° T=19.53'
⑱ R=1.00' L=3.14' Δ=180.00° T=n/a
⑳ R=25.00' L=38.69' Δ=88.68° T=24.43'
㉑ R=1.00' L=3.14' Δ=180.00° T=n/a
㉒ R=25.00' L=39.63' Δ=90.82° T=25.36'

NOTE:

CONTRACTOR TO FIELD PROVIDE DETAIL SHOP DRAWING OF STORM DRAIN CONNECTION AT ALL ANGULAR CONNECTIONS.

VALVE SHUT-OFF PLAN

1. CONTRACTOR WILL CONTACT WATER SYSTEMS AT 857-8200 SEVEN (7) WORKING DAYS PRIOR TO NECESSARY SHUT-OFF.
2. VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES.
3. TURN OFF VALVES 1175, 1177, 1179, 1121, 1122 & 1181 AS SHOWN ABOVE AND ON SHEET 9-23. (VALVE 1181 IS LOCATED AT THE INTERSECTION OF ARNO AND ROMA STREETS, EAST OF THIS PROJECT).
4. VALVE NUMBERS WERE TAKEN FROM ALBUQERQUE WATER DISTRIBUTION SYSTEM SECTIONAL MAPS, GRID J-14, AND ARE SUBJECT TO CORRECTION.

RESTRAINED JOINT LENGTHS FOR BENDS, VALVES, DEAD ENDS (FT.)

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	3'	2'	46'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAINED BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTHS FOR TEES (FT.) VALVES, DEAD ENDS (FT.)

PIPE SIZE	RUN	BRANCH
8"x8"x6"	7'	5'

AS BUILT INFORMATION

		DATE
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

25-J14 LOCATED AT THE ESE QUADRANT OF LOMAS BLVD. & BROADWAY NE
ELEVATION 4954.26

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

MIKE E. BRAZIE
NEW MEXICO
9376
REGISTERED PROFESSIONAL ENGINEER
7-17-02

NO.	BY	REMARKS

C.O.A. STANDARDS
REVISIONS
DESIGN

		DATE
DESIGNED BY	F. MARQUEZ	DATE
DRAWN BY	F. MARQUEZ	DATE
CHECKED BY	MIKE E. BRAZIE	DATE

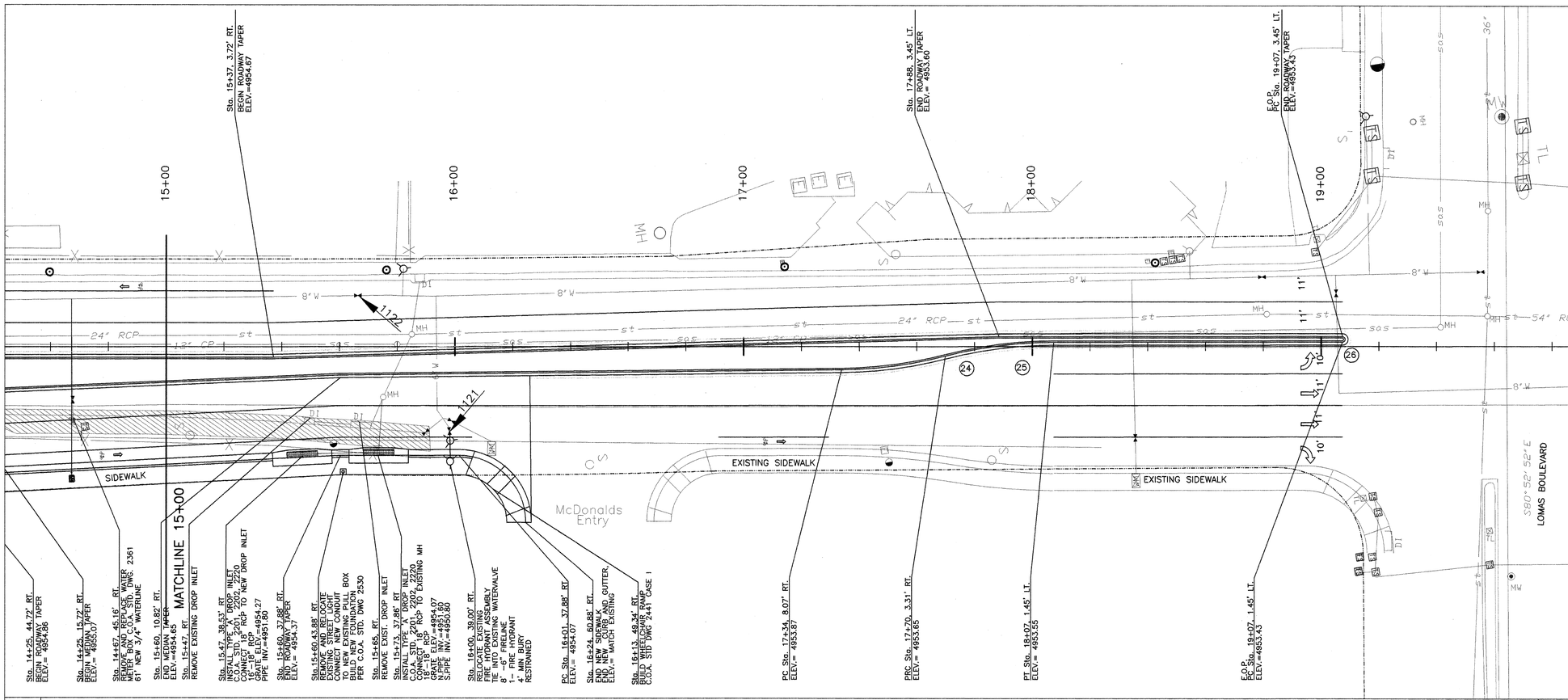
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

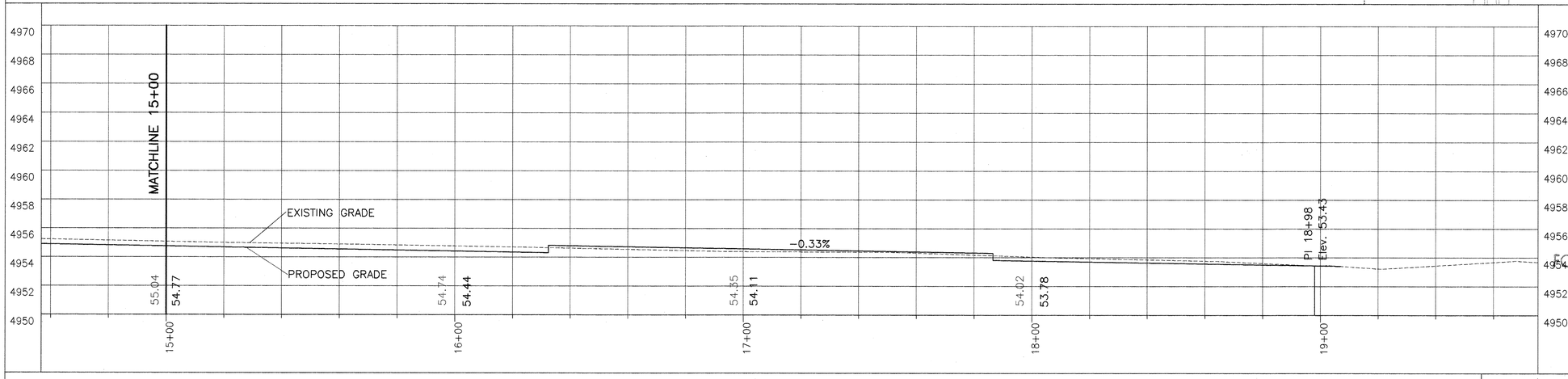
TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
PAVEMENT PLAN AND PROFILE

DESIGN REVIEW COMMITTEE: SEP - 9 2002
CITY ENGINEER APPROVAL: SEP - 9 2002 CITY

LAST UPDATE: MO./DAY/YR. MO./DAY/YR.

PROJECT NO. 589191 | MAP NO. J-14-Z | SHEET 7 OF 21





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

25-J14 LOCATED AT THE ESE QUADRANT OF LOMAS BLVD. & BROADWAY NE
ELEVATION 4954.26

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

MIKE E. BRAZIE
NEW MEXICO
9376
7-17-02
REGISTERED PROFESSIONAL ENGINEER

NO.	BY	REMARKS	DATE
		REVISIONS	
		DESIGN	
		DESIGNED BY F. MARQUEZ	DATE
		DRAWN BY F. MARQUEZ	DATE
		CHECKED BY MIKE E. BRAZIE	DATE
		C.O.A. STANDARDS	

㉔ R=150.00' L=38.62' Δ=14.83° T=19.52'

㉕ R=150.00' L=38.62' Δ=14.83° T=19.52'

㉖ R=150.00' L=36.39' Δ=13.90° T=18.28'

㉗ R=150.00' L=37.91' Δ=14.48° T=19.05'

㉘ R=1.00' L=3.14' Δ=180.00' T=n/a

NOTE:

CONTRACTOR TO FIELD PROVIDE DETAIL SHOP DRAWING OF STORM DRAIN CONNECTIONS AT ALL ANGULAR CONNECTIONS.

VALVE SHUT-OFF PLAN

1. CONTRACTOR WILL CONTACT WATER SYSTEMS AT 857-8200 SEVEN (7) WORKING DAYS PRIOR TO NECESSARY SHUT-OFF.
2. VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES.
3. TURN OFF VALVES 1175, 1177, 1179, 1121 & 1122 AS SHOWN ABOVE. AND ON SHEET 7-23.
4. VALVE NUMBERS WERE TAKEN FROM ALBUQUERQUE WATER DISTRIBUTION SYSTEM SECTIONAL MAPS, GRID J-14, AND ARE SUBJECT TO CORRECTION.

RESTRAINED JOINT LENGTHS FOR BENDS, VALVES, DEAD ENDS (FT.)

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	3'	2'	46'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAINED BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTHS FOR TEES (FT.) VALVES, DEAD ENDS (FT.)

PIPE SIZE	RUN	BRANCH
8"x8"x6"	7'	5'

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
PAVEMENT PLAN AND PROFILE

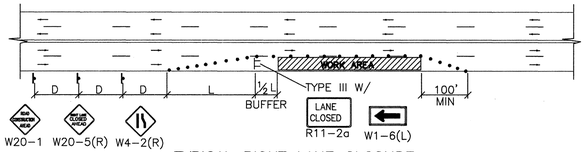
DESIGN REVIEW COMMITTEE: SEP - 9 2002 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: SEP - 9 2002 CITY

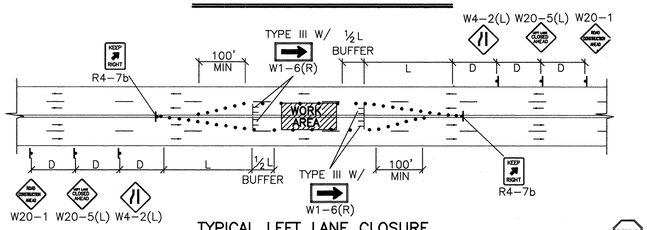
LAST UPDATE	MO./DAY/YR.	MO./DAY/YR.

PROJECT NO.	MAP NO.	SHEET	OF
589191	J-14-Z	8	21

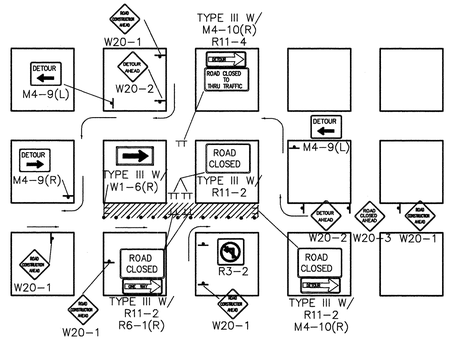
P:\40000\42964\CAD\FSH2002\09-21.DWG



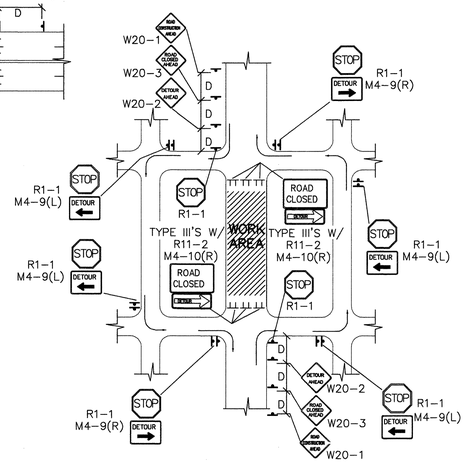
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE



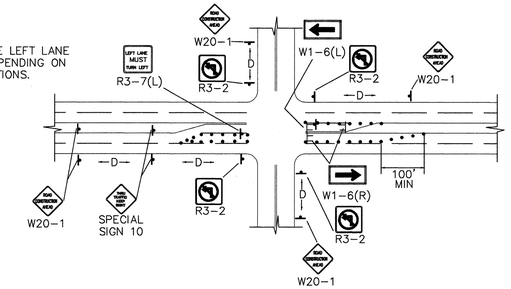
TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

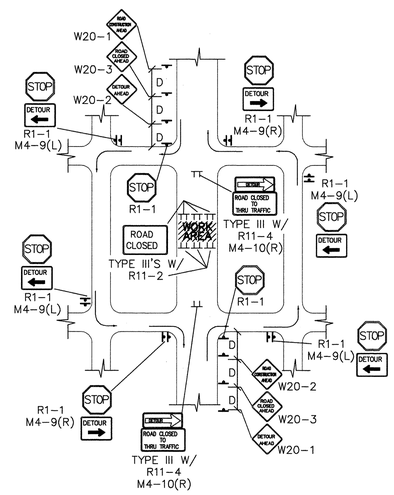
NOTE: (R1-1) BASED ON FIELD CONDITIONS.

NOTE:
MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.



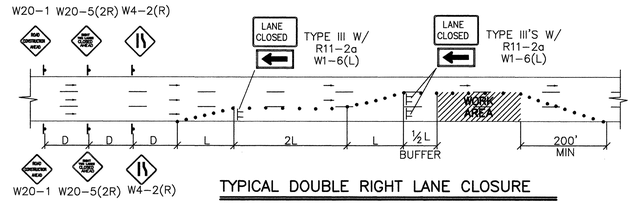
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.

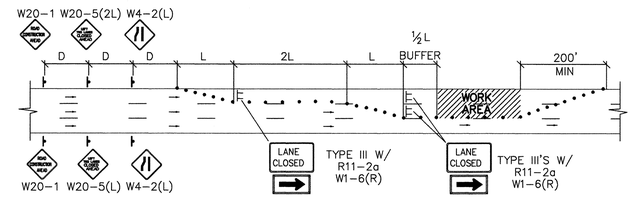


TYPICAL MID-BLOCK CLOSURE

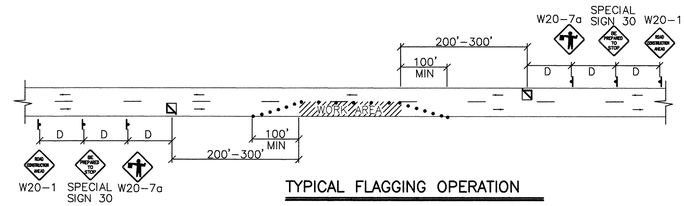
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



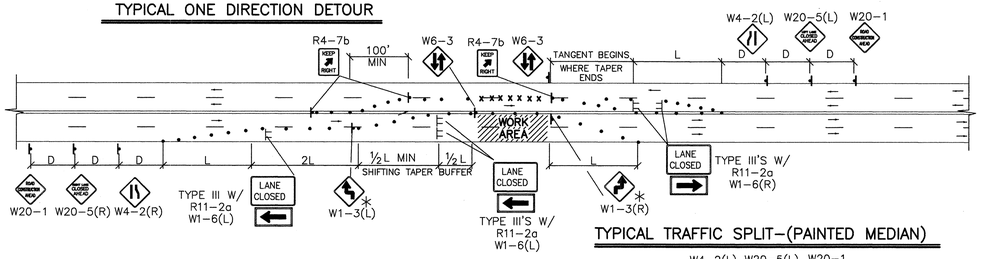
TYPICAL DOUBLE RIGHT LANE CLOSURE



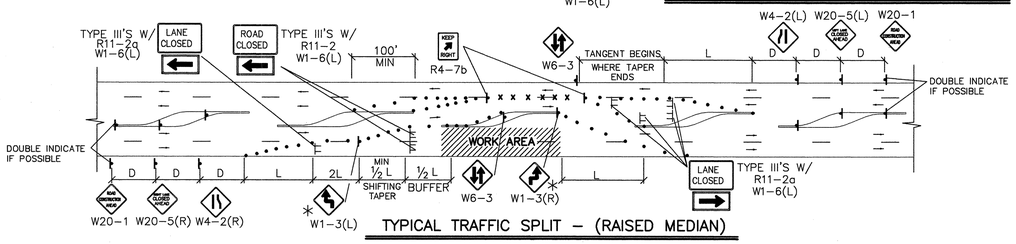
TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



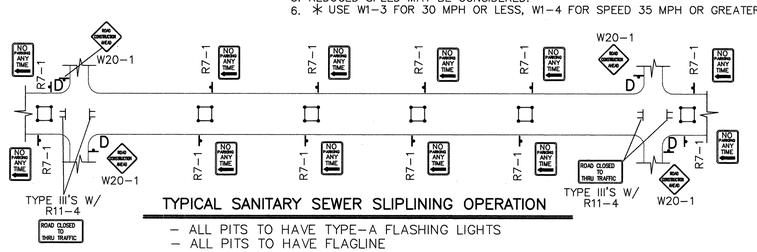
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT – (RAISED MEDIAN)

TRAFFIC SPLIT NOTES:

1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



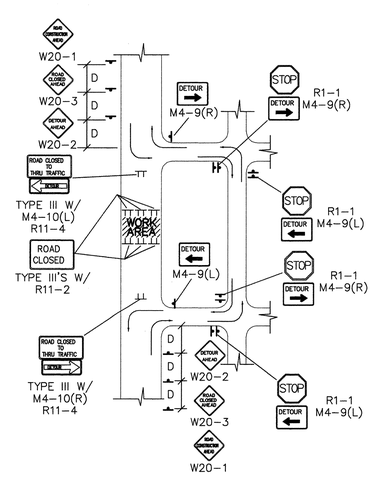
TYPICAL SANITARY SEWER SLIPLINING OPERATION

- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

GENERAL NOTE:

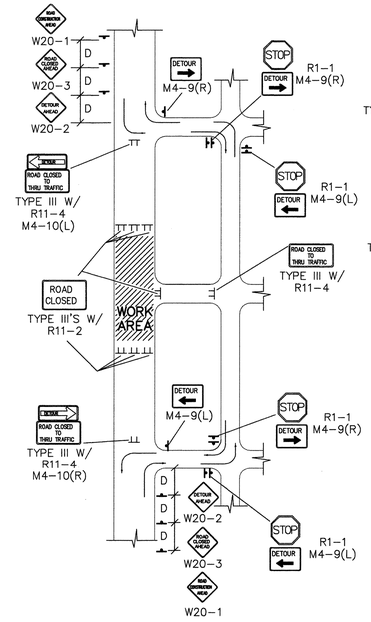
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

△1 ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.



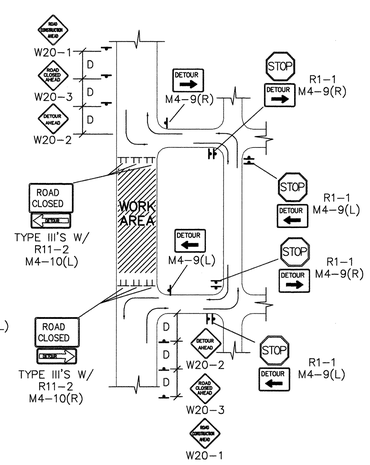
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

FOR INFORMATION ONLY

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

SURVEY INFORMATION
FIELD NOTES
NO. / BY / DATE

ENGINEER'S SEAL

CITY OF ALBUQUERQUE STANDARD DRAWING

NO.	DATE	REVISED GENERAL NOTE	BY
△1	9/24/97		J.D.L.

REMARKS
REVISIONS

DESIGN
DESIGNED BY BOHANNAN HUSTON DATE 5-97
DRAWN BY BOHANNAN HUSTON DATE 5-97
CHECKED BY BOHANNAN HUSTON DATE 5-97

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF MUTCD)

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
589191	J-14-Z	9	21

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CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPERATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

△1 11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

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 AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS 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.

△2 19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF 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 OF THE CITY OF ALBUQUERQUE'S 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 IT'S PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

△3 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 M.U.T.C.D.

△4 27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPTMENT, BOTH PERMANENT AND TEMPORARY.

SPECIAL PROJECT TRAFFIC CONTROL NOTES

1. CONTRACTOR SHALL PERFORM AS MUCH WORK AS POSSIBLE BEHIND THE THE EXISTING CURB & GUTTER PRIOR TO STARTING WORK ON THE ROADWAY AND AFFECTING TRAFFIC ON EITHER BROADWAY OR LOMAS.

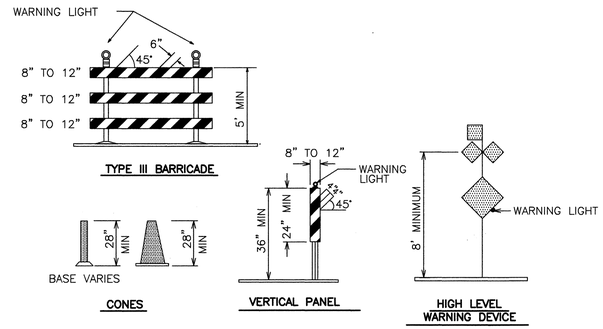
2. CONTRACTOR SHALL MAINTAIN AT LEAST ONE LANE IN EACH DIRECTION ON BROADWAY BOULEVARD AT ALL TIMES.

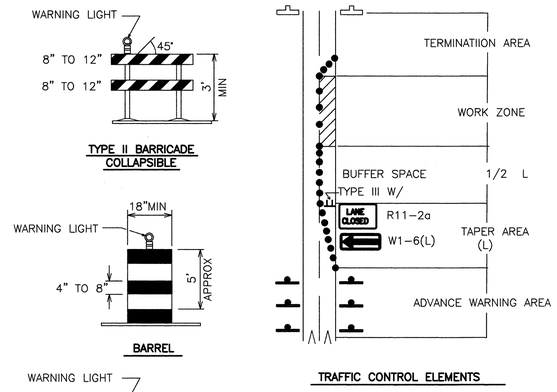
3. CONTRACTOR SHALL MAINTAIN AT LEAST ONE LEFT TURN LANE ONTO BOTH MARTIN LUTHER KING JR. BOULEVARD AND LOMAS BOULEVARD FROM BROADWAY AT ALL TIMES..

4. DUE TO OTHER ON-GOING PROJECTS IN THE AREA, REQUESTS FOR PERMITS MAY BE DENIED OR DELAYED.

5. WHEN CONTRACTOR HAS LESS THAN TWO LANES OPEN TO TRAFFIC IN EITHER DIRECTION BROADWAY BOULEVARD, CONTRACTOR SHALL WORK CONTINUOUSLY, 24-HOURS PER DAY, UNTIL TWO LANES ARE OPENED IN EACH DIRECTION.

MIKE E. BRANDENBURG 9376 REGISTERED PROFESSIONAL ENGINEER 9/9/02





LEGEND

- WORK AREA
- BARRICADE – TYPE I, TYPE II, OR BARREL
- BARRICADE – TYPE III
- VERTICAL PANEL
- WARNING SIGN
- D — DISTANCE BETWEEN SIGNS – A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- S — SPACING BETWEEN BARRICADES – A DISTANCE MEASURED IN FEET EQUAL TO THE STREET LIMIT OF THE STREET
- L — TAPER LENGTH – SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENT

SPEED LIMIT (MPH)	TAPER LENGTH(L) (FEET) 10' LANE	11' LANE	12' LANE	MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

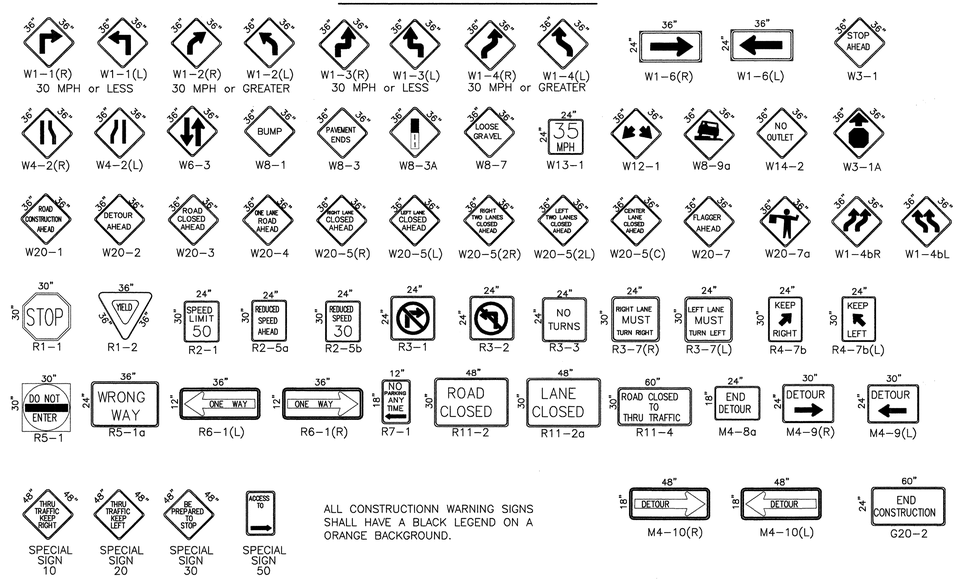
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
40 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

SIGN FACE DETAILS



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

FOR INFORMATION ONLY

NO.	DATE	REMARKS	BY
△3	9/25/97	ADD NOTE NO. 27	J.D.L.
△2	9/24/97	REVISED NOTE NO. 26	J.D.L.
△1	9/24/97	REVISED NOTE NO. 19	J.D.L.
△4	9/24/97	REVISED NOTE NO. 11	J.D.L.

REVISIONS

DESIGN
DESIGNED BY BOHANNAN HUSTON DATE 5-97
DRAWN BY BOHANNAN HUSTON DATE 5-97
CHECKED BY BOHANNAN HUSTON DATE 5-97

ENGINEER'S SEAL

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

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

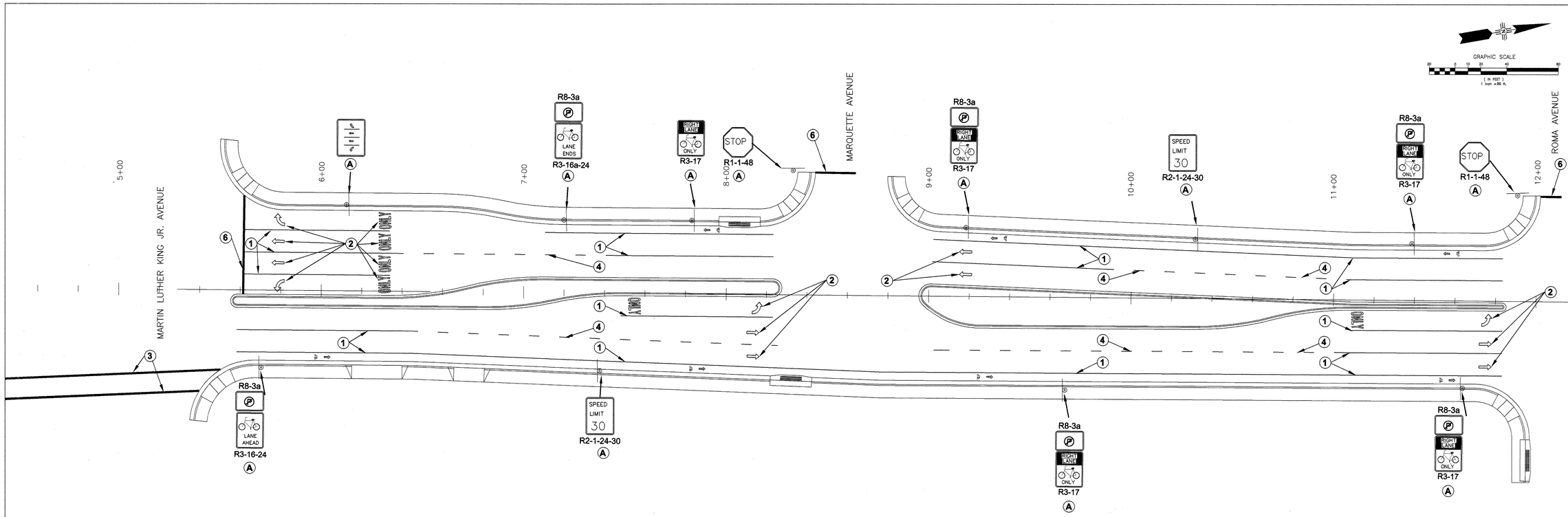
CITY OF ALBUQUERQUE STANDARD DRAWING

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

DESIGN REVIEW COMMITTEE — SEP - 9 2002
CITY ENGINEER APPROVAL — SEP - 9 2002
LAST DESIGN UPDATE — MO./DAY/YR. — MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
589191	J-14-Z	10	21



STRIPING KEYED NOTES ①

① NEW 4" SOLID WHITE REFLECTIVE PLASTIC STRIPE.

② NEW REFLECTIVE PLASTIC DIRECTIONAL ARROW-8' AND "ONLY"-8'.

③ NEW 12" SOLID WHITE REFLECTIVE PLASTIC STRIPE CROSSWALK.

④ NEW 4" BROKEN WHITE PLASTIC STRIPE.

⑤ NEW 4" DOUBLE YELLOW LINE PLASTIC STRIPE.

⑥ NEW 24" SOLID WHITE REFLECTIVE PLASTIC STRIPE BAR

SIGN KEYED NOTES Ⓐ

Ⓐ NEW SIGN

Ⓑ CONTRACTOR SHALL CAREFULLY REMOVE SIGN, SIGN POST AND BASE POST AND RETURN TO THE CITY OF ALBUQUERQUE PUBLIC WORKS YARD. THIS WORK SHALL BE INCIDENTAL TO THE PROJECT AND NO DIRECT PAYMENT WILL BE MADE THEREFORE.

Ⓒ EXISTING SIGN TO REMAIN

1. ALL NEW PAVEMENT MARKINGS INCLUDING STOP BAR, CROSSWALKS, AND DIRECTIONAL ARROWS SHALL BE EITHER HOT OR COLD PLASTIC.

2. HOT PLASTIC SHALL BE A MINIMUM OF 90 MIL THICKNESS FOR LANE LINES AND 125 MIL FOR ALL TRANSVERSE LINES. TEN POUND DROP-ON GLASS BEADS FOR 100 SQ. FT. IS REQUIRED. ALL TRANSVERSE LINES SHALL BE ALKYD THERMOPLASTIC.

3. CONTRACTOR SHALL REMOVE ALL CONFLICTING EXISTING PAVEMENT MARKINGS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO COMPLETION OF THE PROJECT AND NO DIRECT PAYMENT WILL BE MADE THEREFORE.

4. CONTRACTOR SHALL CAREFULLY REMOVE SIGN, SIGN POST AND BASE POST AND RELOCATE SIGN, SIGN POST AND BASE POST AT THE LOCATION SHOWN ON PLANS.

5. CONTRACTOR SHALL INSTALL NEW SIGN, SIGN POST AND BASE POST AT THE LOCATION SHOWN ON THE PLANS. ALL SIGNS, POSTS AND BASE POSTS SHALL COMPLY TO THE M.U.T.C.D..

6. CONTRACTOR SHALL INSTALL ALL NEW STRIPING AS SHOWN.

7. ALL LETTERS AND SYMBOL MARKINGS ON THE PAVEMENT SHALL BE IN ACCORDANCE WITH THE STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS.

8. THE LONGITUDINAL SPACE BETWEEN THE WORD "ONLY" AND THE DIRECTIONAL ARROW IS 37.5 FEET.

9. THE LONGITUDINAL SPACE BETWEEN DIRECTIONAL ARROWS IS 75 FEET UNLESS OTHERWISE NOTED.

10. TYPICAL WIDTH OF CROSSWALKS IS 10'-0".

11. TIE ALL NEW STRIPING TO EXISTING. \

12. STOP SIGN LOCATION ON PLANS IS SCHEMATIC. LOCATION TO BE VARIFIED IN THE FIELD.

FOR INFORMATION ONLY

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

25-J14 LOCATED AT THE ESE QUADRANT OF LOMAS BLVD. & BROADWAY NE
ELEVATION 4954.26

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

MIKE E. BRAZIE
NEW MEXICO
9375
REGISTERED PROFESSIONAL ENGINEER
10/7/02

NO.	REMARKS	BY

C.O.A. STANDARDS
REVISIONS
DESIGN

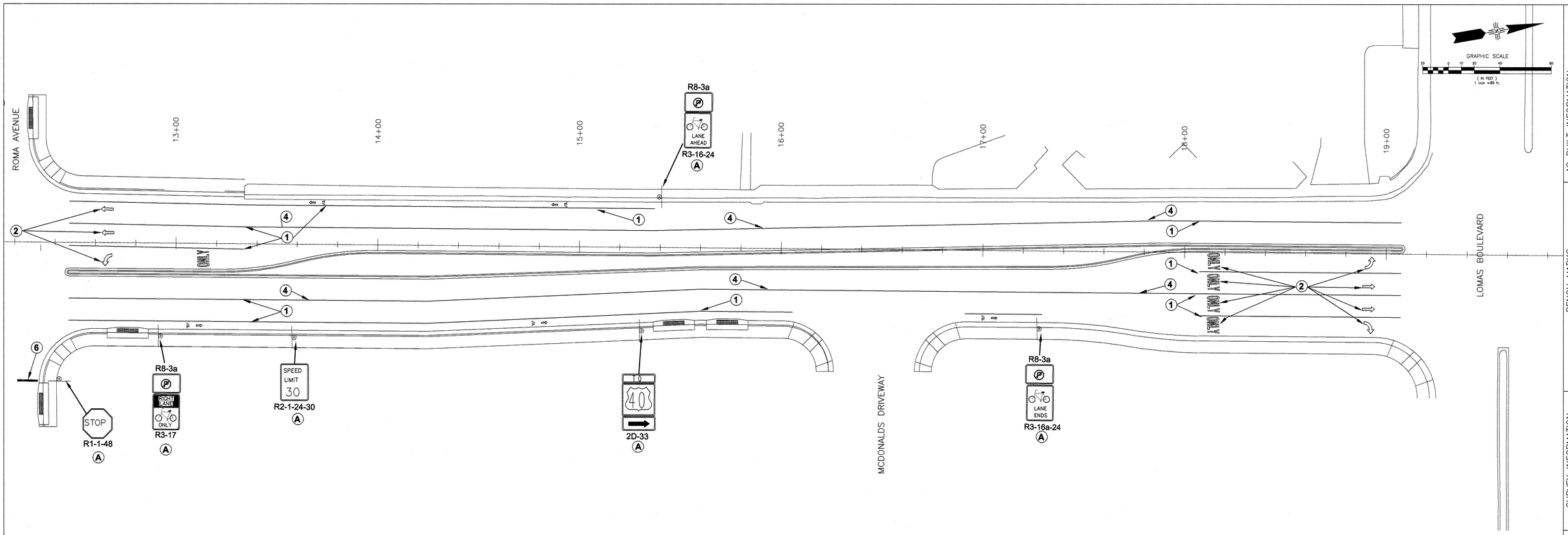
		DATE
DESIGNED BY	F. MARQUEZ	
DRAWN BY	F. MARQUEZ	DATE
CHECKED BY	MIKE E. BRAZIE	DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
SIGNING AND STRIPING PLANS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR.	MO./DAY/YR.
SEP - 9 2002	SEP - 9 2002			

PROJECT NO.	MAP NO.	SHEET	OF
589191	J-14-Z	11	21



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3. CONTRACTOR SHALL REMOVE ALL CONFLICTING EXISTING PAVEMENT MARKINGS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO COMPLETION OF THE PROJECT AND NO DIRECT PAYMENT WILL BE MADE THEREFORE.
4. CONTRACTOR SHALL CAREFULLY REMOVE SIGN, SIGN POST AND BASE POST AND RELOCATE SIGN, SIGN POST AND BASE POST AT THE LOCATION SHOWN ON PLANS.
5. CONTRACTOR SHALL INSTALL NEW SIGN, SIGN POST AND BASE POST AT THE LOCATION SHOWN ON THE PLANS. ALL SIGNS, POSTS AND BASE POSTS SHALL COMPLY TO THE M.U.T.C.D..
6. CONTRACTOR SHALL INSTALL ALL NEW STRIPING AS SHOWN.
7. ALL LETTERS AND SYMBOL MARKINGS ON THE PAVEMENT SHALL BE IN ACCORDANCE WITH THE STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS.
8. THE LONGITUDINAL SPACE BETWEEN THE WORD "ONLY" AND THE DIRECTIONAL ARROW IS 37.5 FEET.
9. THE LONGITUDINAL SPACE BETWEEN DIRECTIONAL ARROWS IS 75 FEET UNLESS OTHERWISE NOTED.
10. TYPICAL WIDTH OF CROSSWALKS IS 10'-0".
11. TIE ALL NEW STRIPING TO EXISTING.
12. STOP SIGN LOCATION ON PLANS IS SCHEMATIC. LOCATION TO BE VERIFIED IN THE FIELD.

FOR INFORMATION ONLY

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
25-J14 LOCATED AT THE ESE QUADRANT OF LOMAS BLVD. & BROADWAY NE
ELEVATION 4954.26

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
MIKE E. BRAZIE REGISTERED PROFESSIONAL ENGINEER 13376

NO.	REMARKS	BY
	REVISIONS	

C.O.A. STANDARDS

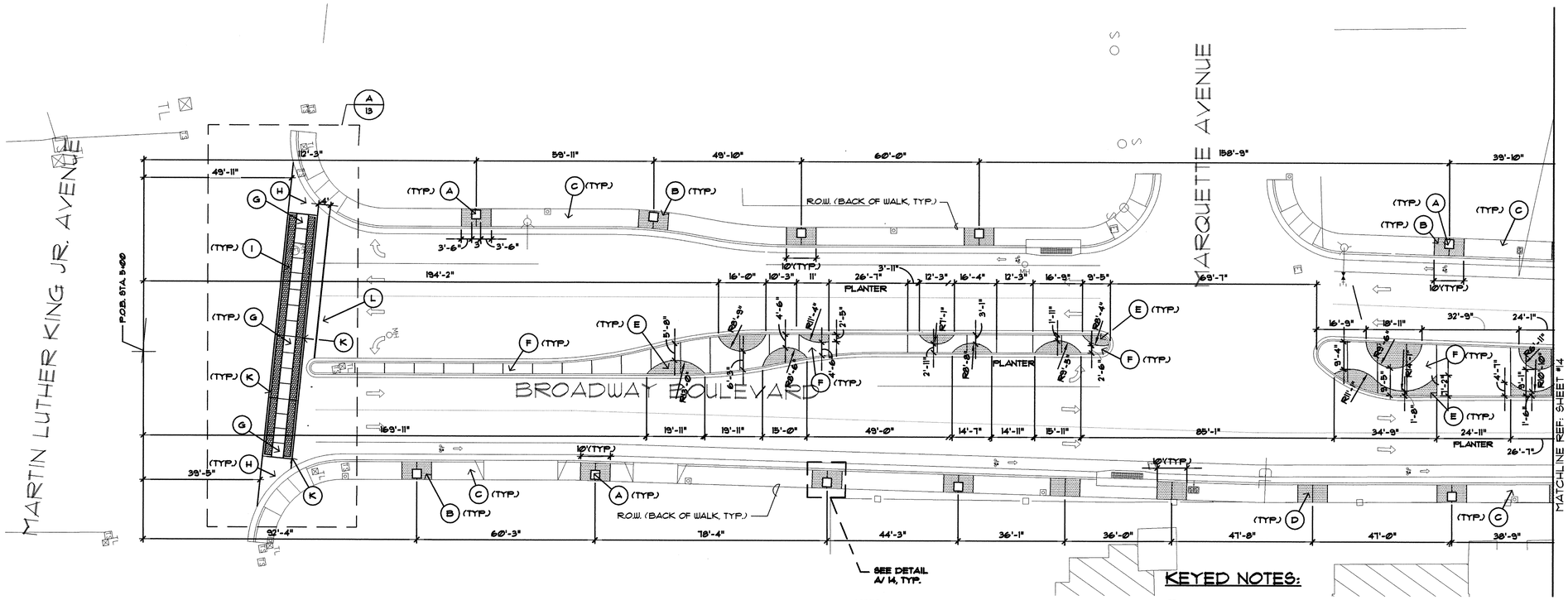
DESIGN
DESIGNED BY F. MARQUEZ — DATE
DRAWN BY F. MARQUEZ — DATE
CHECKED BY MIKE E. BRAZIE — DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
SIGNING AND STRIPING PLANS

DESIGN REVIEW COMMITTEE: SEP - 9 2002 — DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: SEP - 9 2002 — CITY ENGINEER
LAST UPDATE — MO./DAY/YR. — MO./DAY/YR.

PROJECT NO. 589191 | MAP NO. | SHEET 12 OF 21



KEYED NOTES:

(A) ADA COMPLIANT TREE GRATE W/ FRAME, IRONSMITH 'THISTLE' VARIATION (A) #13616 OR EQUAL. COLOR TO BE GRAPHITE W/ SLATE GREEN INSERT TYPICAL OF 25. REFERENCE DETAIL A/16. AVAILABLE FROM IRONSMITH (800) 338-4766.

(B) COLORED CONCRETE WALK. REFERENCE DETAIL A/14.

(C) CONTRACTOR SHALL CONSTRUCT STANDARD GREY CONCRETE, TYPICAL OF NON-HATCHED AREAS OF SIDEWALKS. SEE CIVIL DWGS.

(D) COLORED CONCRETE WALK PER COA DWGS. 2430 & 2720. COLOR: DAVIS SANDSTONE #5237, .75 LB./ PER 94 LB. SACK OF CEMENT, TYPICAL OF HATCHED AREA ON WALKWAY.

(E) COLORED CONCRETE MEDIAN PAVEMENT PER COA DWGS. 2408 (SIM.) & 2720. COLOR: DAVIS SANDSTONE #5237, .75 LB./ PER 94 LB. SACK OF CEMENT, TYPICAL OF HATCHED AREAS ON MEDIANS.

(F) COLORED CONCRETE MEDIAN PAVEMENT PER COA DWGS. 2408 (SIM.) & 2720. COLOR: DAVIS GREEN SLATE # 3685, 3 LBS./ PER 94 LB. SACK OF CEMENT, TYPICAL OF NON-HATCHED AREAS ON MEDIANS.

(G) COLORED CONCRETE COLOR: DAVIS SANDSTONE #5237, .75 LB./ PER 94 LB. SACK OF CEMENT. REFERENCE DETAIL A/18.

(H) CONCRETE PAVING, REFERENCE DETAIL B/18. COLOR: STANDARD GREY.

(I) ENDICOTT 'DESERT IRONSPOT' BRICK PAVERS, 3-5/8" X 2-5/8" X 7-5/8". AVAILABLE FROM KINNEY BRICK CO. (505) 877-4550.

(J) 4/16" X 4" RYERSON STEEL EDGING OR EQUAL, REFERENCE DETAIL B/15.

(K) CONCRETE CONTAINMENT WALL, REFERENCE DETAIL A/18.

(L) 24" WIDE REFLECTORIZED PLASTIC STOP BAR 4' FROM CROSSWALK.

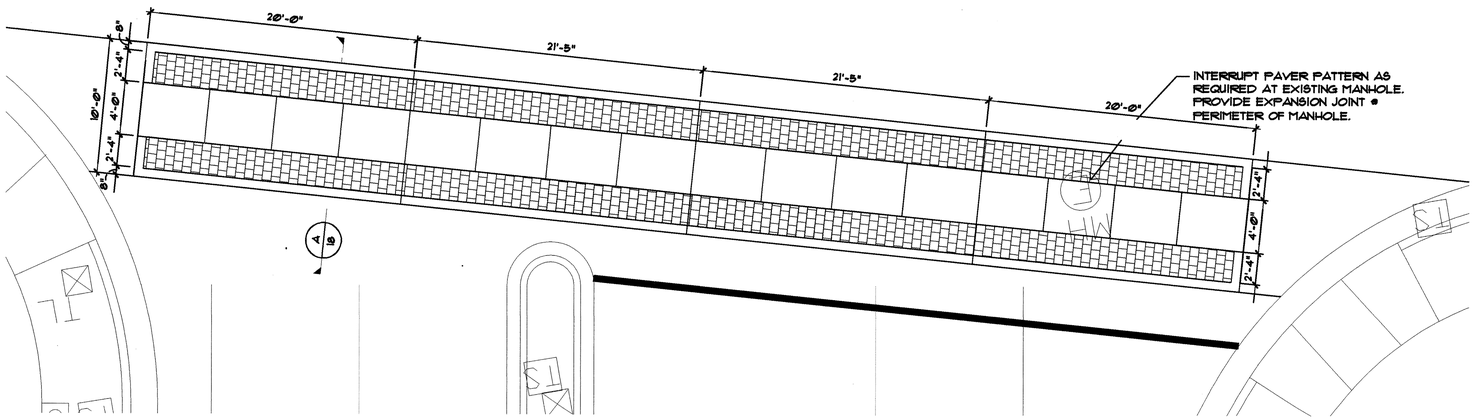
(M) EXISTING SIDEWALK TO REMAIN SEE CIVIL DRAWINGS. IN EXISTING SIDEWALKS SAW CUT CONCRETE FOR 10'-0" COLORED CONCRETE SLABS.

NOTES:

1. CONCRETE CONTROL JOINTS SHALL TO BE PLACED 5'-0" O.C. WITH EXPANSION JOINTS 20'-0" O.C. AND WHERE CONCRETE ABUTS STRUCTURES OR CURBS.

2. TOP OF ALL CONCRETE FLAT WORK SHALL BE CONSTRUCTED FLUSH WITH TOP OF ADJACENT CURB.

3. SEE CIVIL DRAWINGS FOR LIMIT OF CONCRETE CONSTRUCTRUCTION.



A/13 SOUTH CROSSWALK DIMENSION PLAN

MCD901 092399

3/16" = 1'

0 10 20 40 80

SCALE: 1" = 20'-0"

FOR INFORMATION ONLY

MORROW REARDON WILKINSON, LTD., LANDSCAPE ARCHITECTS
210 La Veta NE, Albuquerque, NM 87108
505.268.2366 FAX 505.265.9637
mrw@mrwnm.com

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
INSPECTED BY
ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	DATE

ENGINEERS SEAL

STATE OF NEW MEXICO
DENNIS C. WILKINSON
NO. 149
REGISTERED LANDSCAPE ARCHITECT
6-28-02

NO.	DATE	REMARKS
		REVISIONS
		DESIGN

DESIGNED BY	JSP	DATE 6-18-02
DRAWN BY	JSP	DATE 6-18-02
CHECKED BY	ECR\DCW	DATE 6-18-02

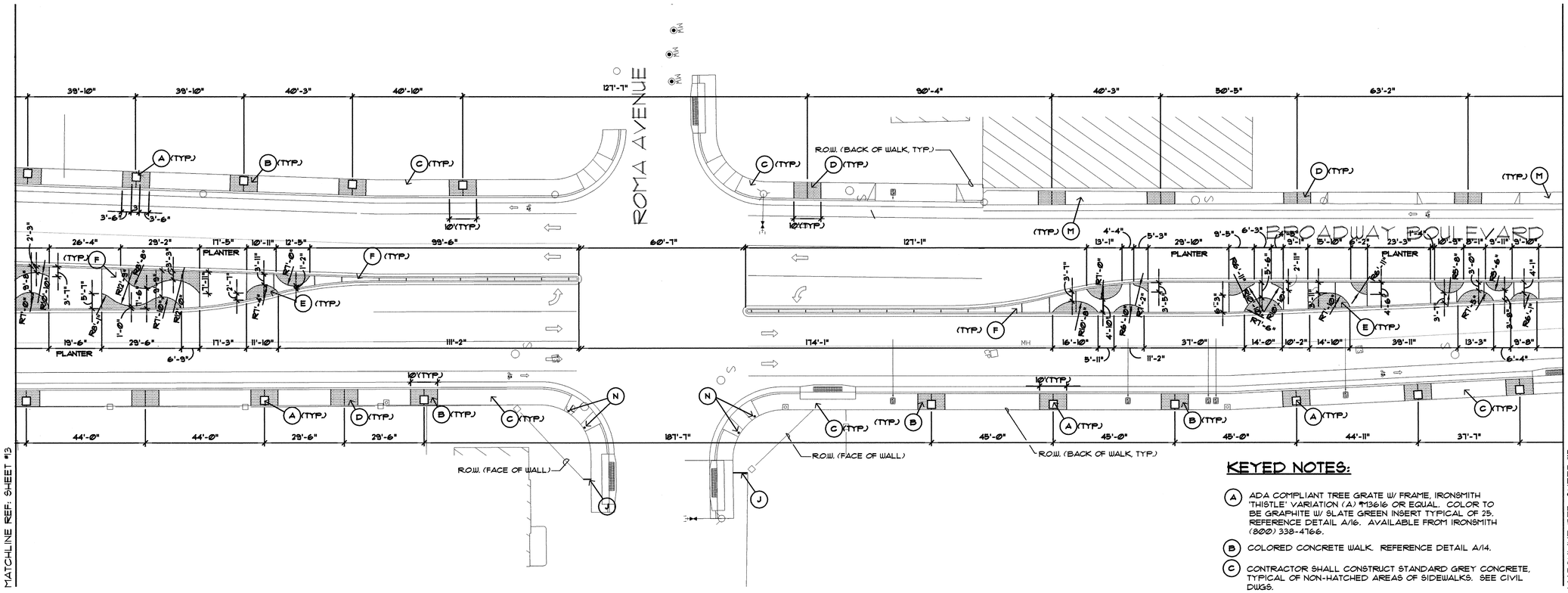
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
CONSTRUCTION AND DIMENSION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED SEP - 9 2002 REVIEW COMMITTEE	APPROVED SEP - 9 2002 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
5891.91	J-14-Z	13	21

NAME:0599A-100%-3-12-02/ BrdwyDIM.DWG DATE: JUNE 28, 2002 PLOT: 1:1 VIEW: SHEET1A



KEYED NOTES:

1. CURB AND GUTTER - SEE CIVIL DWGS.
2. COLORED CONCRETE WALK PER COA DWGS. 2430 & 2720. COLOR: DAVIS SANDSTONE #5237, .75 LB./ PER 94 LB. SACK OF CEMENT, TYPICAL AT ALL TREE GRATES. CONCRETE COLOR MIX SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS.
3. STANDARD GREY CONCRETE (SEE CIVIL DWGS.)
4. COLORED CONCRETE CURB PER DETAIL A/14 SECTION A-A'. COLOR: DAVIS SANDSTONE #5237, .75 LB./ PER 94 LB. SACK OF CEMENT, TYPICAL AT ALL TREE GRATES. CONCRETE COLOR MIX SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS.
5. 1/2" EXP. JT.
6. TREE GRATE

NOTES:

1. CONCRETE CONTROL JOINTS SHALL TO BE PLACED 5'-0" O.C. WITH EXPANSION JOINTS 20'-0" O.C. AND WHERE CONCRETE ABUTS STRUCTURES OR CURBS.
2. TOP OF ALL CONCRETE FLAT WORK SHALL BE CONSTRUCTED FLUSH WITH TOP OF ADJACENT CURB.
3. SEE CIVIL DRAWINGS FOR LIMIT OF CONCRETE CONSTRUCTRUCTION.

KEYED NOTES:

- (A) ADA COMPLIANT TREE GRATE W/ FRAME, IRONSMITH 'THISTLE' VARIATION (A) #13616 OR EQUAL. COLOR TO BE GRAPHITE W/ SLATE GREEN INSERT TYPICAL OF 25. REFERENCE DETAIL A/16. AVAILABLE FROM IRONSMITH (800) 338-4766.
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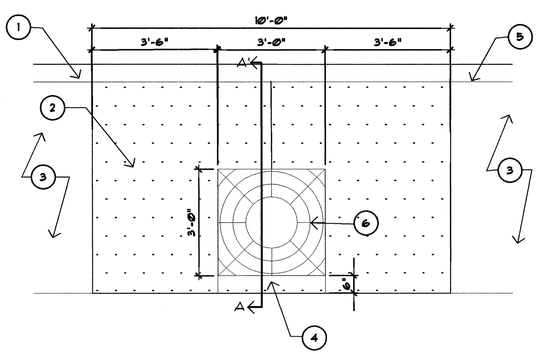
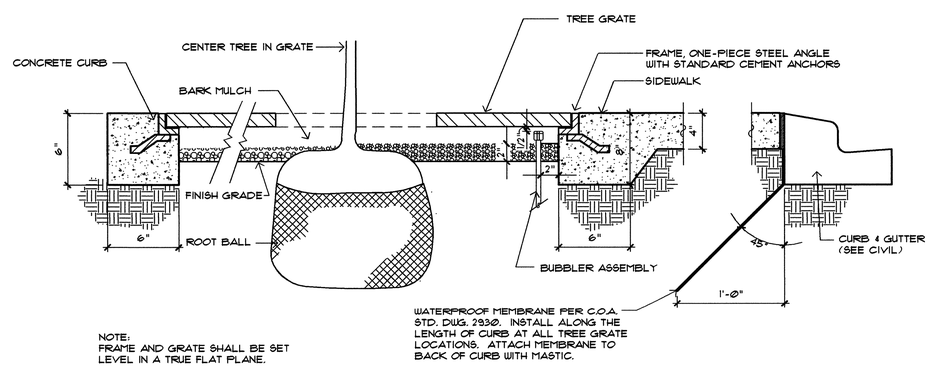
- (N) CONTRACTOR SHALL FURNISH AND INSTALL CONCRETE BOLLARD. BOLLARD SHALL BE TF6035 WEATHERSTONE, SAND (B3). INSTALL WITH CONCRETE FOOTING PER MANUFACTURER'S SPECIFICATION (STYLE B MOUNTING), AVAILABLE FROM WAUSAU TILE (800-388-8728).



PLAN

MCD-901 02/16/01 1/2"=1'-0"



NOTE:
FRAME AND GRATE SHALL BE SET LEVEL IN A TRUE FLAT PLANE.

SECTON A-A'

N.T.S.

A/14 TREE GRATE

SCALE AS SHOWN

MORROW REARDON WILKINSON, LTD., LANDSCAPE ARCHITECTS
210 La Veta NE, Albuquerque, NM 87108
505.268.2266 FAX 505.265.9637
mrw@mrwnm.com

0 10 20 40 80

SCALE: 1" = 20'-0"

FOR INFORMATION ONLY

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

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. DATE

ENGINEERS SEAL
STATE OF NEW MEXICO
NM 149
DENNIS O. WILKINSON
REGISTERED LANDSCAPE ARCHITECT
6-28-02

NO.	DATE	REMARKS	DATE
		REVISIONS	
		DESIGN	

DESIGNED BY	JSP	DATE 6-18-02
DRAWN BY	JSP	DATE 6-18-02
CHECKED BY	ECR\DCW	DATE 6-18-02

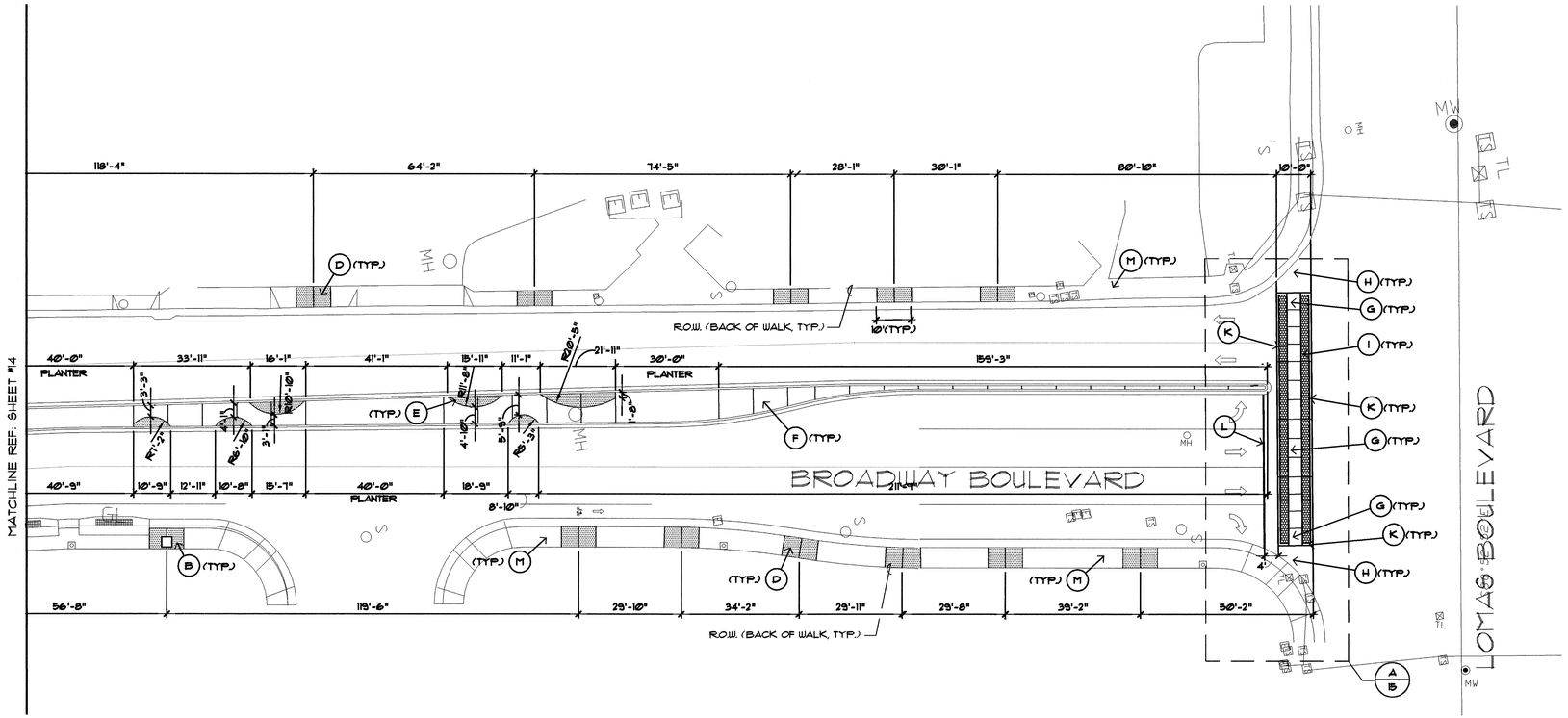
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
CONSTRUCTION AND DIMENSION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
SEP - 9 2002	SEP - 9 2002			

City Project No. 5891.91 | Zone Map No. J-14-Z | Sheet 14 Of 21

NAME:0599A-100%-3-12-02/BrdwyDIM.DWG DATE: JUNE 28, 2002 PLOT: 1:1 VIEW: SHEET2A LK



KEYED NOTES:

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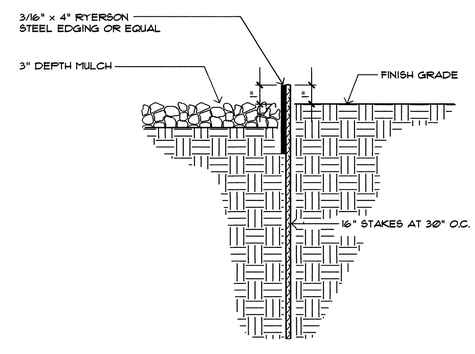
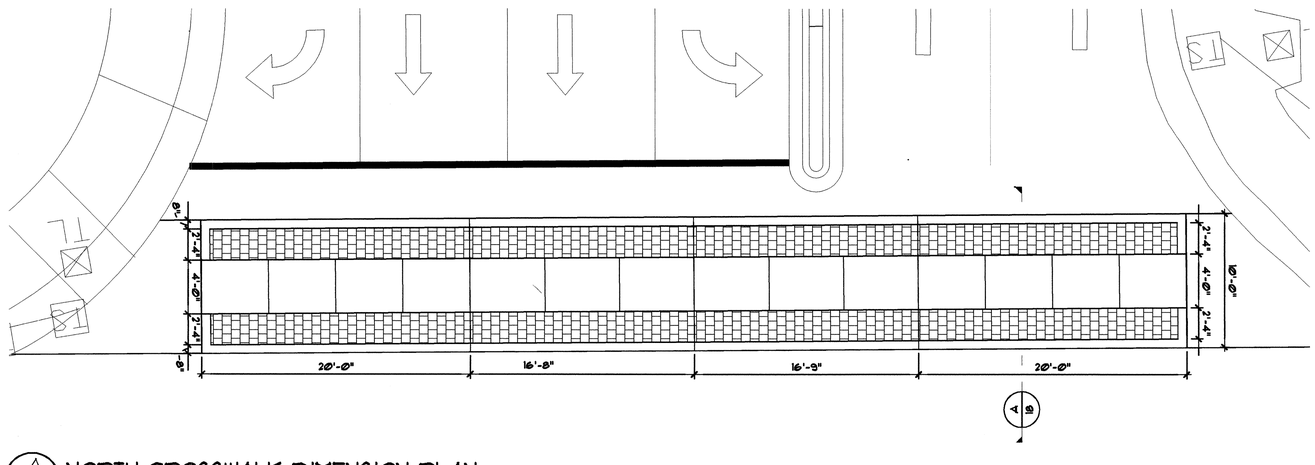


B/15 STEEL EDGING SECTION
MCD-0001 110795 N.T.S.



A/15 NORTH CROSSWALK DIMENSION PLAN
MCD900 092399 3/16" = 1'

FOR INFORMATION ONLY

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210 La Veta NE, Albuquerque, NM 87108
505.268.2266 FAX 505.265.9637
mrw@mrwnm.com

0 10 20 40 80
SCALE: 1" = 20'-0"

AS BUILT INFORMATION
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NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. DATE

ENGINEERS SEAL
STATE OF NEW MEXICO
DENNIS C. WILKINSON
NO. 149
REGISTERED LANDSCAPE ARCHITECT
6-28-02

NO.	DATE	REMARKS
		REVISIONS
		DESIGN

		DATE
DESIGNED BY	JSP	6-18-02
DRAWN BY	JSP	6-18-02
CHECKED BY	EOR\DCW	6-18-02

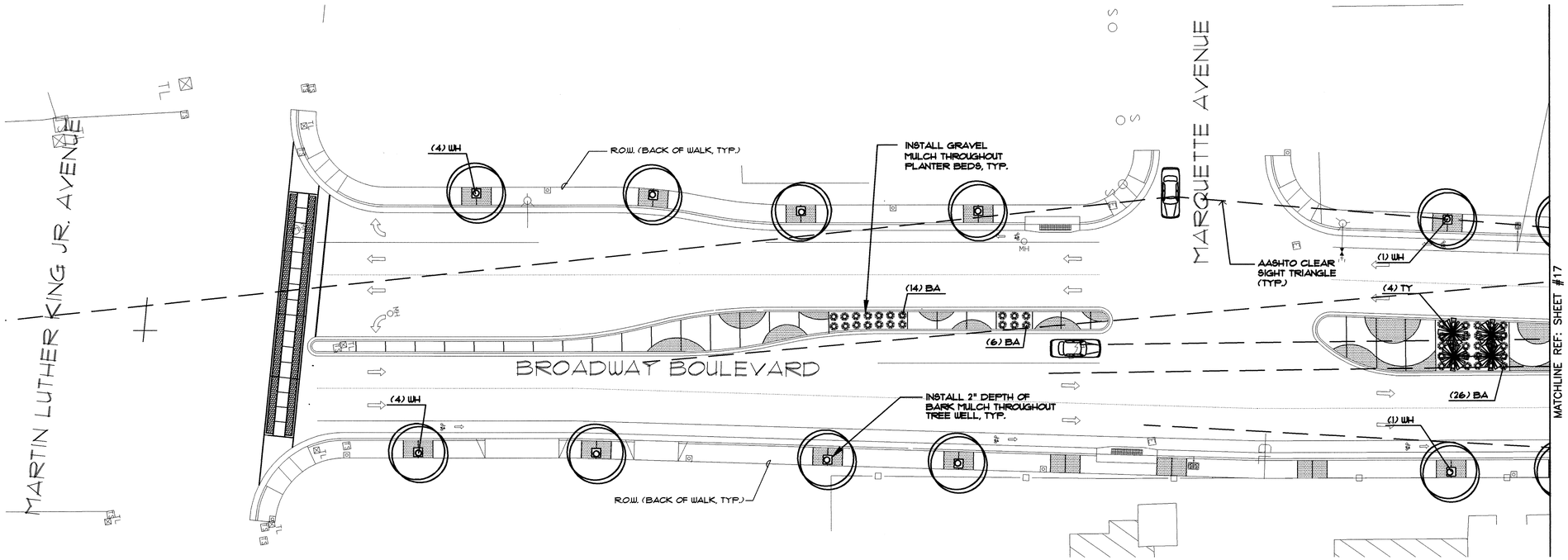
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
CONSTRUCTION AND DIMENSION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
SEP - 9 2002 DESIGN REVIEW COMMITTEE	SEP - 9 2002 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
5891.91	J-14-Z	15	21

NAME:0599A-100%-3-12-02/ BrdwyDIM.DWG DATE: JUNE 28, 2002 PLOT: 1:1 VIEW: SHEET3A



PLANT LIST						
SYMBOL	COMMON NAME	BOTANICAL NAME	QTY.	SIZE	MATURE SIZE	COMMENTS
	TREES:					
	WH WASHINGTON HAWTHORN	CRATAEGUS PHAENOPYRUM	25	2" CAL	25' HT., 20' SPD.	SINGLE TRUNK
	TY TORREY YUCCA	YUCCA TORREYI	11	4'-6'HT.	15' HT., 10' SPD.	
	GRASSES/SHRUBS					
	BA BLUE AVENA	HELICTOTRICHON SEMPERVIRENS	179	5-GAL	24" HT., 24" SPD.	
	CS CHERRY SAGE	SALVIA GREGGII	14	5-GAL	36" HT., 36" SPD.	
	ST SILKY THREAD GRASS	STIPA TENNUIFOLIA	16	5-GAL	18" HT., 12" SPD.	
	TH THRIFT	ARMERIA MARITIMA	80	4" POTS	12" HT., 12" SPD.	

NOTE:

SEE SHEET #1 FOR PLANTING NOTES

FOR INFORMATION ONLY

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LANDSCAPE ARCHITECTS
210 La Veta NE, Albuquerque, NM 87108
505.268.2266 FAX 505.265.9637
mrw@mrwnm.com

0 10 20 40 80
SCALE: 1" = 20'-0"

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
PLANTING PLAN

Design Review Committee: APPROVED SEP - 9 2002 REVIEW DATE
City Engineer Approval: APPROVED SEP - 9 2002 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5891.91 | Zone Map No. J-14-Z | Sheet 16 Of 21

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
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NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. DATE

ENGINEERS SEAL
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DENNIS G. WILKINSON
NO. 149
REGISTERED LANDSCAPE ARCHITECT
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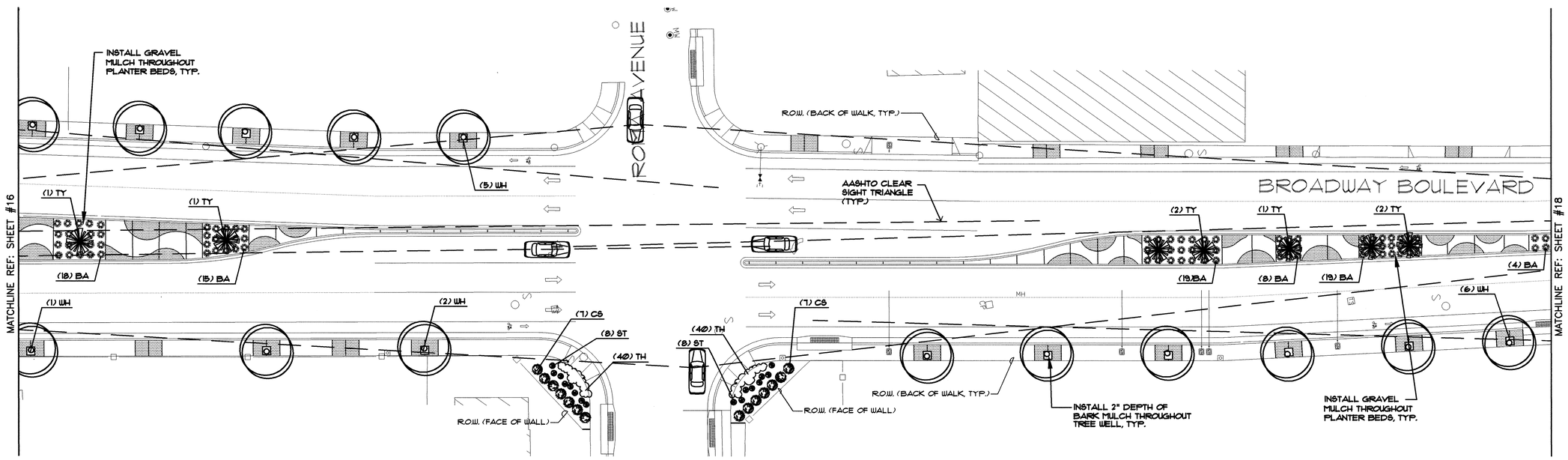
NO.	DATE	REMARKS
		REVISIONS
		DESIGN

DESIGNED BY JSP DATE 6-18-02
DRAWN BY JSP DATE 6-18-02
CHECKED BY ECR/DCW DATE 6-18-02

NAME: 05998-100%-3-12-02/Brdwyp1.DWG DATE: JUNE 28, 2002 PLOT 1:1 VIEW: SHEET1A VW



PLANT LIST

SYMBOL	COMMON NAME	BOTANICAL NAME	QTY.	SIZE	MATURE SIZE	COMMENTS
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TH	THRIFT	ARMERIA MARITIMA	80	4" POTS	12" HT., 12" SPD.	

PLANTING NOTES

1. IN CASE OF DISCREPANCY IN PLANT QUANTITIES SHOWN ON THE PLANT LIST AND THOSE SHOWN ON THE PLANTING PLANS, THE QUANTITIES SHOWN ON THE PLAN SHALL GOVERN.
2. QUANTITIES SHOWN ON THE PLANT LIST ARE ESTIMATES ONLY. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID AND INSTALLATION. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY DISCREPANCIES IN QUANTITIES BETWEEN THE PLANTING PLAN AND THE PLANT LIST.
3. GRAVEL MULCH @ PLANTER BEDS SHALL BE A 3" DEPTH OF 3/4" SANTA ANA TAN CRUSHED GRAVEL MULCH WITH WEED BARRIER UNDER SHALL BE INSTALLED THROUGHOUT ALL SHRUB BEDS. WEED BARRIER SHALL BE MIN. 3.5 OZ. WOVEN, NEEDLE PUNCHED POLYPROPLYENE (DEWITT OR EQUAL). OVERLAY ENDS 3". TURN DOWN PERIMETER EDGES 6". TOP OF MULCH SHALL BE SET 1" BELOW TOP OF ADJACENT CONCRETE SURFACES.
4. BARK MULCH @ TREE GRATES SHALL BE 3"-5" DECORATIVE CHIPPED PINE BARK WITH WEED BARRIER UNDER. WEED BARRIER SHALL BE MIN. 3.5 OZ. WOVEN, NEEDLE PUNCHED POLYPROPLYENE (DEWITT OR EQUAL) OVERLAY ENDS 3". TURN DOWN PERIMETER EDGES 6". TOP OF MULCH SHALL BE SET 1" BELOW TOP OF ADJACENT CONCRETE SURFACES.
5. THE CONTRACTOR SHALL PRUNE LOWER BRANCHES OF DECIDUOUS TREES TO 6 FEET ABOVE FINISH GRADE.
6. SHRUBS SHALL BE PLANTED IN ACCORDANCE WITH C.O.A. STANDARD DRAWING # 2718.
7. TREES SHALL BE PLANTED IN ACCORDANCE WITH C.O.A. STANDARD DRAWING #2715.

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210 La Veta NE, Albuquerque, NM 87108
505.268.2256 FAX 505.265.9637
mrw@mrwnm.com

0 10 20 40 80
SCALE: 1" = 20'-0"

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ENGINEERS SEAL
STATE OF NEW MEXICO
DENNIS C. WILKINSON
NO. 149
REGISTERED LANDSCAPE ARCHITECT
6-28-02

NO.	DATE	REMARKS	DATE
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	JSP	6-18-02
DRAWN BY	JSP	6-18-02
CHECKED BY	ECR/DCW	6-18-02

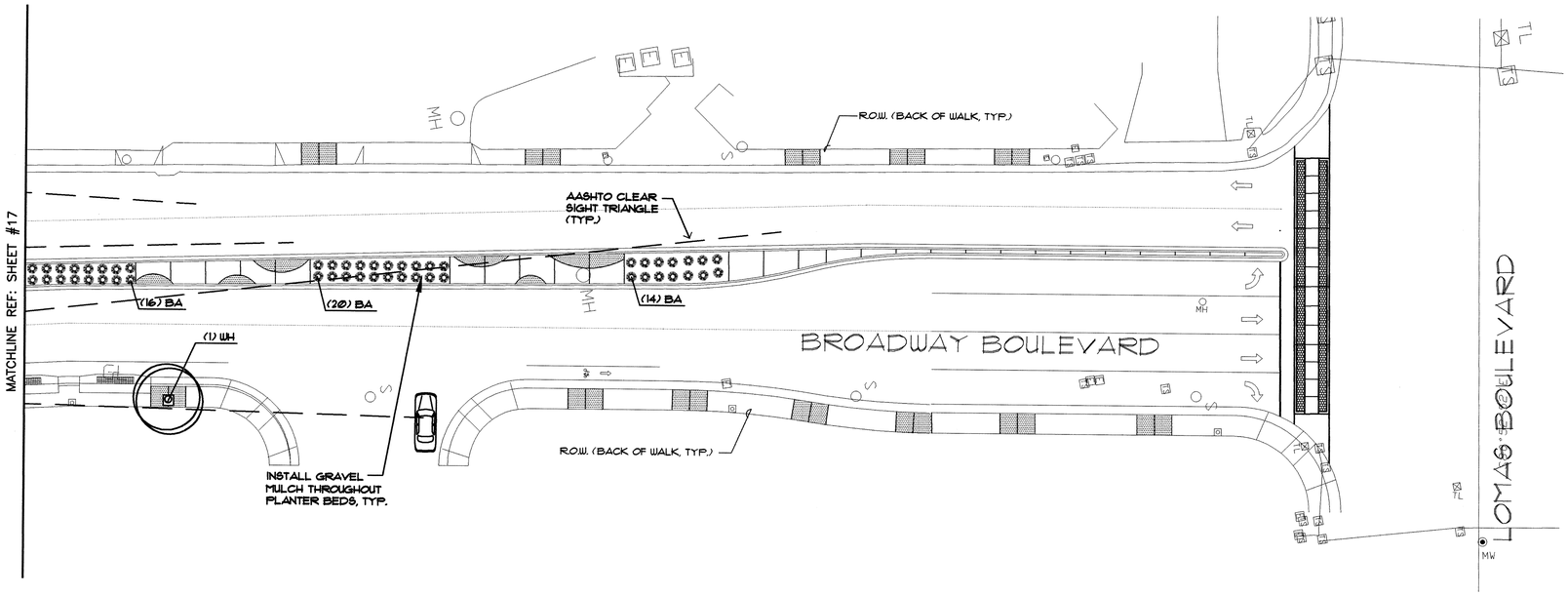
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
PLANTING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED SEP - 9 2002 DESIGN REVIEW COMMITTEE	APPROVED SEP - 9 2002 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
5891.91	J-14-Z	17	21

NAME: 05998-100%-3-12-02/Brdwyplt.DWG DATE: JUNE 28, 2002 PLOT 1:1 VIEW: SHEET2A VW

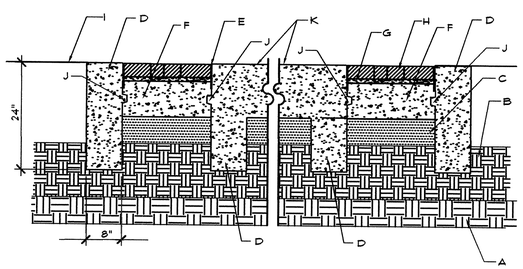


PLANT LIST

SYMBOL	COMMON NAME	BOTANICAL NAME	QTY.	SIZE	MATURE SIZE	COMMENTS
	TREES:					
WH	WASHINGTON HAWTHORN	CRATAEGUS PHAENOPYRUM	25	2" CAL	25' HT., 20' SPD.	SINGLE TRUNK
TY	TORREY YUCCA	YUCCA TORREYI	11	4'-6' HT.	15' HT., 10' SPD.	
	GRASSES/SHRUBS					
BA	BLUE AVENA	HELICTOTRICHON SEMPERVIRENS	179	5-GAL	24" HT., 24" SPD.	
CS	CHERRY SAGE	SALVIA GREGGII	14	5-GAL	36" HT., 36" SPD.	
ST	SILKY THREAD GRASS	STIPA TENNUIFOLIA	16	5-GAL	18" HT., 12" SPD.	
TH	THRIFT	ARMERIA MARITIMA	80	4" POTS	12" HT., 12" SPD.	

NOTE:

SEE SHEET #1 FOR PLANTING NOTES



A/18 CROSSWALK WITH BRICK PAVER SECTION

SCALE: 1/2"=1'-0"

KEYED CONSTRUCTION NOTES:

A. COMPACTED SUBGRADE 90% COMPACTION.

B. 12" COMPACTED SUBGRADE 95% COMPACTION.

C. 6" C.T.B.

D. 8"X24", 4000 PSI CONCRETE CONTAINMENT (PROVIDE CONTAINMENT WALL @ EAST & WEST EDGE OF BRICK PAVING ALSO).

E. 1/2" MASTIC JOINT MATERIAL.

F. 8", 4000 PSI CONCRETE PAVEMENT.

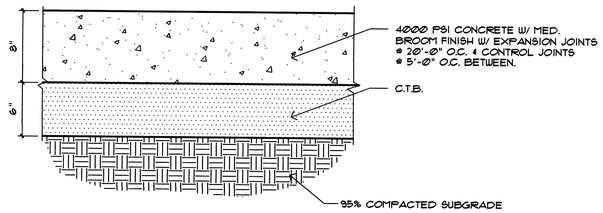
G. 3/8" - 1/2" MORTAR SETTING BED, TYPE S MORTAR.

H. BRICK PAVER IN RUNNING BOND PATTERN LAYED PERPENDICULAR TO FLOW OF TRAFFIC.

I. EXISTING ASPHALT OR CONCRETE STREET SURFACE.

J. KEYED JOINT REFERENCE C.O.A. DWG. 2450.

K. 11"-11 1/8", 4000 PSI CONCRETE PAVEMENT.



B/18 CONCRETE

MCD-CON 062901 1 1/2" = 1'-0"

GENERAL NOTE

CONTRACTOR SHALL PROVIDE EXPANSION JOINTS @ 20'-0" O.C. AND CONTROL JOINTS @ 5'-0" O.C. IN BETWEEN. CONTRACTOR SHALL PROVIDE A CONTINUOUS EXPANSION JOINT BETWEEN BRICK PAVERS AND CONCRETE.

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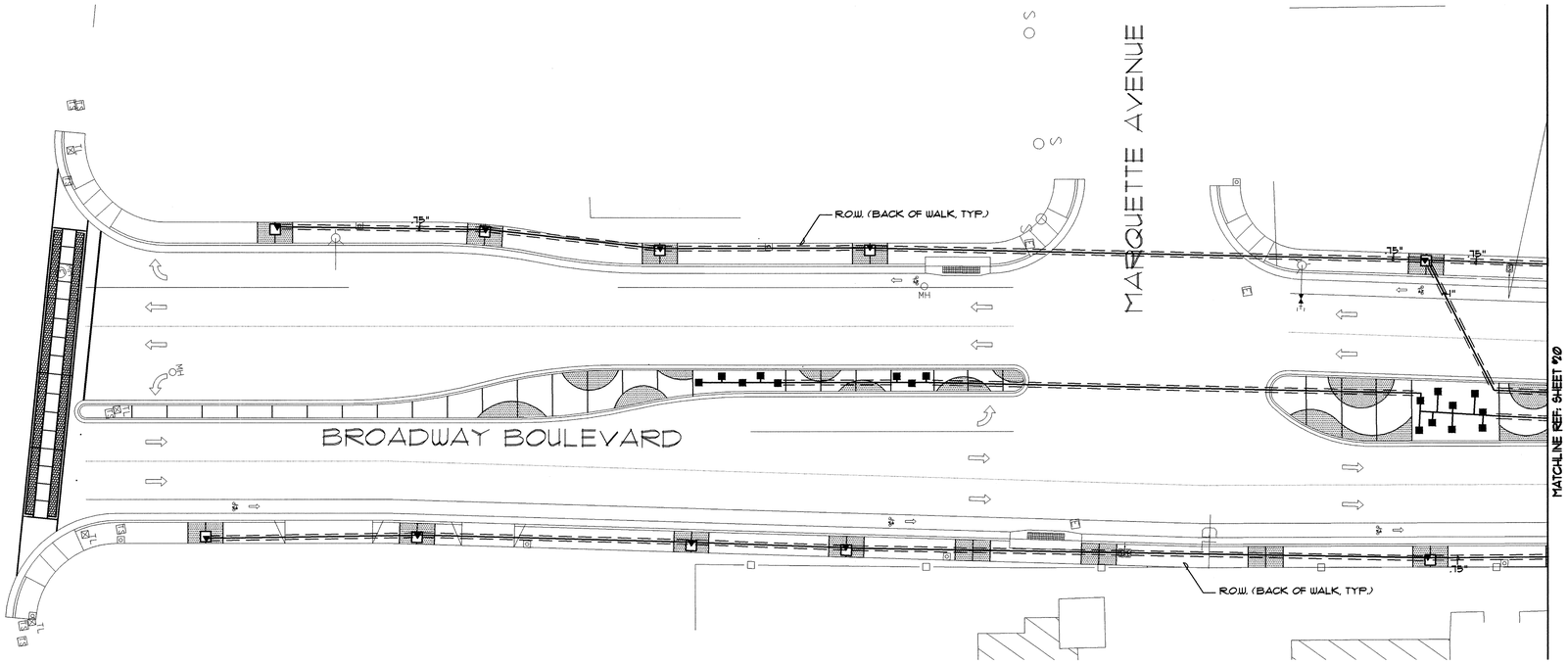


IRRIGATION LEGEND

- (M) WATER METER, SIZE 1". INSTALL PER CITY OF ALBUQUERQUE (C.O.A.) DRAWINGS NO. 2362 AND NO. 2368. SEE IRRIGATION NOTE NO. 9 BELOW.
- ===== 24-VOLT WIRE SLEEVE, SIZE 2".
- = = = SLEEVE PIPING FOR LATERALS AND IRRIGATION MAIN LINE. CLASS 200 SDR-21, SOLVENT WELD PVC. SLEEVE SHALL BE TWO SIZES LARGER THAN PIPE TO BE SLEEVED. SLEEVE DEPTH FOR LATERALS SHALL BE 18". SLEEVE DEPTH FOR IRRIGATION MAIN LINE SHALL BE 18".
- BACKFLOW PREVENTER ASSEMBLY, FEBCO F825Y-1" REDUCED PRESSURE BACKFLOW PREVENTER WITH WEATHERMATIC #1000 SERIES MASTER VALVE WITH 1" MASTER METER FLOW METER MASTER VALVE UNIT IN HOT BOX # ENCLOSURE.PER C.O.A. DETAIL 2101
- — — — IRRIGATION MAINLINE SCH. 40 BELL END, SOLVENT WELD PVC, SIZE 125", 18" DEPTH OF BURY.
- AUTOMATIC VALVE ASSEMBLY, WEATHERMATIC #1000 SERIES PLASTIC BODY AUTOMATIC VALVE ASSEMBLY WITH FLOW CONTROL AND MANUAL ACTIVATION, SIZE AS SHOUN ON PLAN__PER C.O.A. DETAIL 2103
- ——— LATERAL PIPING SCH. 40, BELL END, SOLVENT WELD PVC, 18" DEPTH OF BURY, SIZE AS SHOUN ON PLAN. SIZES NOT SHOUN SHALL BE 3/4".
- SOLVENT WELD CAP, SCH. 40 PVC SIZE.
- (C) IRRIGATION CONTROLLER MOTOROLA SCORPIO M55-25-51 8 STATION CONTROLLER IN TORO STAINLESS STEEL CABINET WITH #V-300 KEYBOARD & #RRA-4900 ANTENNA WITH 24 VAC SURGE PROTECTION ON CITY FREQUENCY__SEE DETAIL A/19.
- FIXED BUBBLER ASSEMBLY RAINBIRD #1400 SERIES PRESSURE COMPENSATING BUBBLER ON FIXED RISER PER C.O.A. DETAILS 2110 AND 2111

MODEL	GPM	PSI
▼ 1401	.25 GPM @	30 PSI
▼ 1402	.50 GPM @	30 PSI

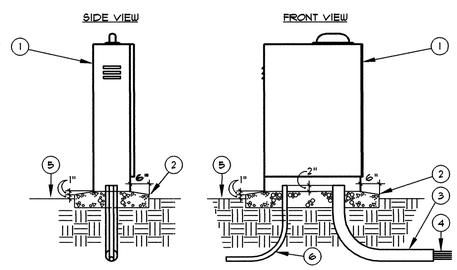
- ■ RAINBIRD #XBD-80-XERI-BIRD 8 OUTLET EMISSION DEVICE WITH #XB-20 2 GALLON PER HOUR EMITTERS SEE DETAIL B/19.

EMITTER SCHEDULE

2 EMITTERS PER SHRUB
4 EMITTERS PER TREE

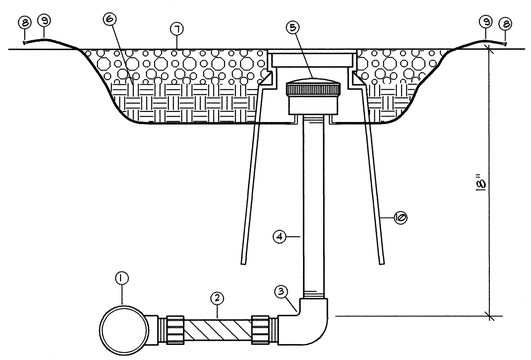
IRRIGATION NOTES

1. VALVE BOXES SHALL BE INSTALLED AT A MINIMUM OF 12" FROM BACK OF CURB.
2. 24-VOLT WIRE SHALL BE MARKED WITH A 3" WIDE RED MARKER TAPE AND MARKED "WARNING -ELECTRICAL". LAY MARKER TAPE HORIZONTALLY 6" ABOVE WIRE.
3. THE CONTRACTOR SHALL ADJUST ALL VALVES, BUBBLERS, AND EMITTERS FOR OPTIMUM COVERAGE, AND SHALL PROVIDE AND INSTALL NOZZLES OTHER THAN THOSE SPECIFIED AS INSTRUCTED BY THE LANDSCAPE ARCHITECT AT NO ADDITIONAL COST TO THE OUNER.
4. CONTRACTOR SHALL EXTEND 120-VOLT A.C. FROM EXISTING POWER TO PROPOSED CONTROLLER AND BACKFLOW PREVENTER LOCATIONS. ALL ELECTRICAL WORK SHALL BE PER LOCAL CODES AND N.E.C. STANDARDS.
5. ALL EXISTING WATER MAINLINE LOCATIONS ARE SCHEMATIC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO POT HOLE AND FIELD CHECK TO DETERMINE ACTUAL LOCATIONS AS AN INCIDENTAL REQUISITE TO THE CONSTRUCTION CONTRACT.
6. THE PROPOSED CONTROLLER LOCATION INDICATED ON THE PLANS IS APPROXIMATE. ACTUAL LOCATION OF THE CONTROLLER SHALL BE DETERMINED BY OWNER'S REPRESENTATIVE IN THE FIELD.
7. THIS SYSTEM WAS DESIGNED AT 50 PSI STATIC WATER PRESSURE AT THE METER. THE CONTRACTOR SHALL VERIFY THE ACTUAL STATIC WATER PRESSURE PRIOR TO CONSTRUCTION AND INFORM THE LANDSCAPE ARCHITECT IN WRITING OF THE RESULTS. A DETERMINATION WILL BE MADE BY THE LANDSCAPE ARCHITECT AS TO WHAT DESIGN MODIFICATIONS MAY NEED TO BE RESOLVED BEFORE ACTUAL CONSTRUCTION BEGINS.
8. HOTBOX ENCLOSURE SHALL BE BEIGE IN COLOR AS MANUFACTURED BY HOTBOX.
9. CONTRACTOR SHALL PERFORM & PAY FOR ALL COSTS ASSOCIATED WITH INSTALLATION OF 1" WATER SERVICE INCLUDING BUT NOT LIMITED TO SAW-CUTS, PAVEMENT REMOVALS AND PAVEMENT REPLACEMENTS, PRESSURE TAP, METER BOX, METER LID, METER SETTER, CURB STOP, CORPORATION STOP, SERVICE LINE, FITTINGS, CONCRETE COLLAR, ETC. THE C.O.A. WILL PROVIDE AND INSTALL METER ONTO METER SETTER. UTILITY EXPANSION, STAND-BY AND PRO-RATA CHARGES WILL ALSO BE PAID BY THE C.O.A.



1. IRRIGATION CONTROLLER WITH PEDESTAL, SEE IRRIGATION LEGEND. INSTALL TO MANUFACTURER'S STANDARDS
2. 4000 PSI CONCRETE BASE. 8" MINIMUM THICKNESS. EDGES SHALL BE TOOLED WITH 1/2" RADIUS
3. 4" RIGID PVC LONG SWEEP ELL EXTEND 12" BEYOND ADJACENT WALKS
4. 24-VOLT WIRES FROM CONTROLLER TO AUTOMATIC VALVES,
5. FINISH GRADE.
6. 120-VOLT SERVICE IN CONDUIT, PER N.E.C.

A/19 IRRIGATION CONTROLLER AND PEDESTAL
MCD-0165 110295 N.T.S.



1. PVC LATERAL PIPE FITTING
2. EXCALIBUR 506-MM 1/2" x 6" PVC FLEX NIPPLE
3. 1/2" SCH. 40 PVC THREADED ELBOW
4. 1/2" SCH. 80 PVC NIPPLE, LENGTH AS REQUIRED
5. RAINBIRD XERI-BIRD-8 8 MULTI-OUTLET EMISSION DEVICE WITH #XB-20 2 GALLON PER HOUR EMITTERS SPACED EVENLY AROUND PLANT AT THE DRIP LINE OF THE PLANT. EMITTERS SHALL BE PLACED ABOVE MULCH WITH MAXIMUM 4" OF TUBING EXPOSED.
6. FINISH GRADE.
7. TOP OF GRAVEL MULCH.
8. OCTA-BUBBLER 2133-100 INSECT PLUG, TYPICAL
9. PEPCO 220V SERIES, 7/32" VINYL TUBING, LENGTH AS REQUIRED BURIED 6" BELOW FINISH GRADE
10. RAINBIRD SEB - 6X 6" VALVE BOX

B/19 LOW FLOW BUBBLER ASSEMBLY (8 PORTS)
MCD-0183 111195 N.T.S.

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CITY OF ALBUQUERQUE
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TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
IRRIGATION PLAN

Design Review Committee: APPROVED SEP - 9 2002 DESIGN REVIEW COMMITTEE
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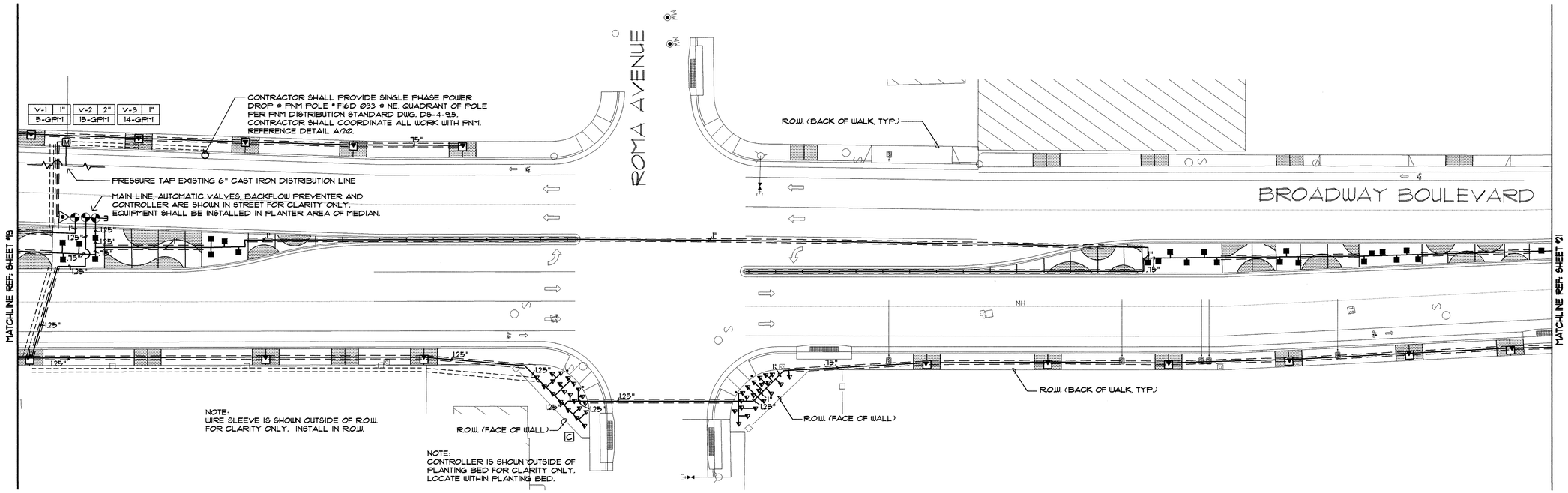
City Project No. 5891.91 | Zone Map No. J-14-Z | Sheet 19 Of 21

NAME: 0599a-100%-3-12-02/Brdwyirr.DWG DATE: JUNE 28, 2002 VIEW SHEETIA



IRRIGATION NOTES

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4. CONTRACTOR SHALL EXTEND 120-VOLT A.C. FROM EXISTING POWER TO PROPOSED CONTROLLER AND BACKFLOW PREVENTER LOCATIONS. ALL ELECTRICAL WORK SHALL BE PER LOCAL CODES AND N.E.C. STANDARDS.
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IRRIGATION LEGEND

- (M) WATER METER, SIZE 1". INSTALL PER CITY OF ALBUQUERQUE (C.O.A.) DRAWINGS NO. 2362 AND NO. 2368. SEE IRRIGATION NOTE NO. 9 BELOW.
- ===== 24-VOLT WIRE SLEEVE, SIZE 2".
- = = = SLEEVE PIPING FOR LATERALS AND IRRIGATION MAIN LINE, CLASS 200 SDR-21, SOLVENT WELD PVC. SLEEVE SHALL BE TWO SIZES LARGER THAN PIPE TO BE SLEEVED. SLEEVE DEPTH FOR LATERALS SHALL BE 18". SLEEVE DEPTH FOR IRRIGATION MAIN LINE SHALL BE 18".
- BACKFLOW PREVENTER ASSEMBLY, FEBCO #825Y-1" REDUCED PRESSURE BACKFLOW PREVENTER WITH WEATHERMATIC #1000 SERIES MASTER VALVE WITH 1" MASTER METER FLOW METER MASTER VALVE UNIT IN HOT BOX # ENCLOSURE.PER C.O.A. DETAIL 2701
- — — — IRRIGATION MAINLINE SCH. 40 BELL END, SOLVENT WELD PVC, SIZE 125", 18" DEPTH OF BURY.
- AUTOMATIC VALVE ASSEMBLY, WEATHERMATIC #1000 SERIES PLASTIC BODY AUTOMATIC VALVE ASSEMBLY WITH FLOW CONTROL AND MANUAL ACTIVATION, SIZE AS SHOWN ON PLAN__PER C.O.A. DETAIL 2703
- ——— LATERAL PIPING SCH. 40, BELL END, SOLVENT WELD PVC, 18" DEPTH OF BURY, SIZE AS SHOWN ON PLAN. SIZES NOT SHOWN SHALL BE 3/4".
- ⊐ SOLVENT WELD CAP, SCH. 40 PVC SIZE.
- (C) IRRIGATION CONTROLLER MOTOROLA SCORPIO MS6-25-51 8 STATION CONTROLLER IN TORO STAINLESS STEEL CABINET WITH *V-300 KEYBOARD & *RRA-4908 ANTENNA WITH 24 VAC SURGE PROTECTION ON CITY FREQUENCY__SEE DETAIL A/19.

FIXED BUBBLER ASSEMBLY RAINBIRD #1400 SERIES PRESSURE COMPENSATING BUBBLER ON FIXED RISER PER C.O.A. DETAILS 2710 AND 2711

	MODEL	GPM	PSI
V	1401	25 GPM @	30 PSI
▼	1402	50 GPM @	30 PSI

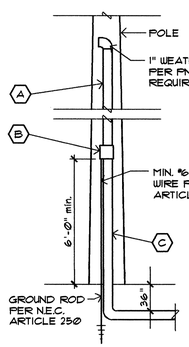
- ■ RAINBIRD *XBD-80-XERI-BIRD 8 OUTLET EMISSION DEVICE WITH *XB-20 2 GALLON PER HOUR EMITTERS SEE DETAIL B/19.

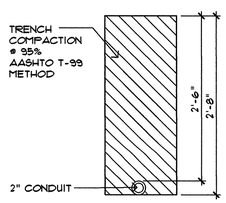
EMITTER SCHEDULE

2 EMITTERS PER SHRUB
4 EMITTERS PER TREE

GENERAL NOTES:

1. ELECTRICAL SERVICE SHALL BE OBTAINED FROM PNM POLE NO. FIELD Ø33. SEE SHEET NO. 22 FOR LOCATION.
2. ALL ELECTRICAL CONDUITS SHALL BE INSTALLED A MINIMUM OF 30" BELOW GRADE. COORDINATE WITH LANDSCAPE AND IRRIGATION PIPING TO PREVENT CONFLICTS.
3. CONTRACTOR SHALL INSTALL RISER ON NORTHEAST QUADRANT OF POLE.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO BID SO AS TO INFORM HIMSELF OF EXISTING CONDITIONS AFFECTING HIS BID.
5. CONTRACTOR SHALL MOUNT 1" DIAMETER RISER DIRECTLY ONTO POWER POLE USING U-CLAMPS INSTALLED 30" ON CENTER THROUGHOUT RISER LENGTH.
6. THE CONTRACTOR SHALL USE AN APPROVED, UNBROKEN CONDUIT COMPLETE WITH WIRE FROM THE SERVICE POINT TO THE FUSE DISCONNECT SWITCH AND UNBROKEN CONDUIT FROM THE FUSE DISCONNECT TO THREE (3) FEET BELOW GRADE OF PNM'S POLE.





DIRECT BURY TRENCH DETAIL

KEYED NOTES

- (A) 1" RGS CONDUIT W/ 2 #6 CU. USE CABLE FROM DISCONNECT SWITCH UP POLE TO POWER CONNECT POINT. LEAVE ENOUGH CABLE EXPOSED SO PNM CAN TERMINATE LATER.
- (B) FUSED DISCONNECT SWITCH-1 POLE, 120 VOLT, FUSED WITH 50 AMP (MAX) FUSES, WEATHERPROOF, AND LOCKABLE. INSTALL ON PNM POLE AT 10' (MIN.) HEIGHT.
- (C) 1" RGS CONDUIT WITH 2 #6 CU. USE CABLE FROM DISCONNECT SWITCH DOWN POLE THEN UNDERGROUND TO THE IRRIGATION SYSTEM CONTROL BOX.

(A/20) POWER RISER
MCD-0154 110895 N.T.S.

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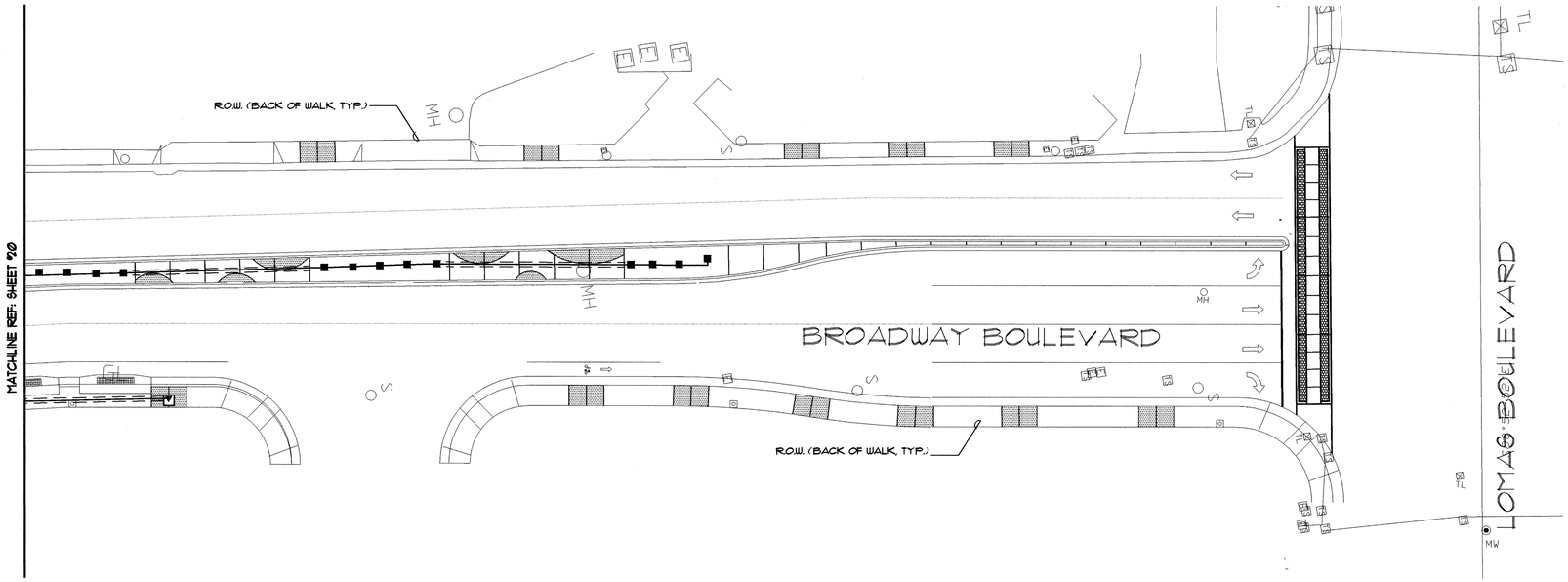

IRRIGATION NOTES

1. VALVE BOXES SHALL BE INSTALLED AT A MINIMUM OF 12" FROM BACK OF CURB.
2. 24-VOLT WIRE SHALL BE MARKED WITH A 3" WIDE RED MARKER TAPE AND MARKED "WARNING -ELECTRICAL". LAY MARKER TAPE HORIZONTALLY 6" ABOVE WIRE.
3. THE CONTRACTOR SHALL ADJUST ALL VALVES, BUBBLERS, AND EMITTERS FOR OPTIMUM COVERAGE, AND SHALL PROVIDE AND INSTALL NOZZLES OTHER THAN THOSE SPECIFIED AS INSTRUCTED BY THE LANDSCAPE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
4. CONTRACTOR SHALL EXTEND 120-VOLT A.C. FROM EXISTING POWER TO PROPOSED CONTROLLER AND BACKFLOW PREVENTER LOCATIONS. ALL ELECTRICAL WORK SHALL BE PER LOCAL CODES AND N.E.C. STANDARDS.
5. ALL EXISTING WATER MAINLINE LOCATIONS ARE SCHEMATIC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO POT HOLE AND FIELD CHECK TO DETERMINE ACTUAL LOCATIONS AS AN INCIDENTAL REQUISITE TO THE CONSTRUCTION CONTRACT.
6. THE PROPOSED CONTROLLER LOCATION INDICATED ON THE PLANS IS APPROXIMATE. ACTUAL LOCATION OF THE CONTROLLER SHALL BE DETERMINED BY OWNER'S REPRESENTATIVE IN THE FIELD.
7. THIS SYSTEM WAS DESIGNED AT 50 PSI STATIC WATER PRESSURE AT THE METER. THE CONTRACTOR SHALL VERIFY THE ACTUAL STATIC WATER PRESSURE PRIOR TO CONSTRUCTION AND INFORM THE LANDSCAPE ARCHITECT IN WRITING OF THE RESULTS. A DETERMINATION WILL BE MADE BY THE LANDSCAPE ARCHITECT AS TO WHAT DESIGN MODIFICATIONS MAY NEED TO BE RESOLVED BEFORE ACTUAL CONSTRUCTION BEGINS.
8. HOTBOX ENCLOSURE SHALL BE BEIGE IN COLOR AS MANUFACTURED BY HOTBOX.
9. CONTRACTOR SHALL PERFORM & PAY FOR ALL COSTS ASSOCIATED WITH INSTALLATION OF 1" WATER SERVICE INCLUDING BUT NOT LIMITED TO SAW-CUTS, PAVEMENT REMOVALS AND PAVEMENT REPLACEMENTS, PRESSURE TAP, METER BOX, METER LID, METER SETTER, CURB STOP, CORPORATION STOP, SERVICE LINE, FITTINGS, CONCRETE COLLAR, ETC. THE C.O.A. WILL PROVIDE AND INSTALL METER ONTO METER SETTER. UTILITY EXPANSION, STAND-BY AND PRO-RATA CHARGES WILL ALSO BE PAID BY THE C.O.A.

IRRIGATION LEGEND

M	WATER METER, SIZE 1". INSTALL PER CITY OF ALBUQUERQUE (C.O.A.) DRAWINGS NO. 2362 AND NO. 2368. SEE IRRIGATION NOTE NO. 9 BELOW.
=====	24-VOLT WIRE SLEEVE, SIZE 2".
= = =	SLEEVE PIPING FOR LATERALS AND IRRIGATION MAIN LINE, CLASS 200 SDR-21, SOLVENT WELD PVC. SLEEVE SHALL BE TWO SIZES LARGER THAN PIPE TO BE SLEEVED. SLEEVE DEPTH FOR LATERALS SHALL BE 18". SLEEVE DEPTH FOR IRRIGATION MAIN LINE SHALL BE 18".
▷	BACKFLOW PREVENTER ASSEMBLY, FEBCO F825Y-1" REDUCED PRESSURE BACKFLOW PREVENTER WITH WEATHERMATIC #1000 SERIES MASTER VALVE WITH 1" MASTER METER FLOW METER MASTER VALVE UNIT IN HOT BOX #1 ENCLOSURE.PER C.O.A. DETAIL 2101
— — —	IRRIGATION MAINLINE SCH. 40 BELL END, SOLVENT WELD PVC, SIZE 1.25", 18" DEPTH OF BURY.
◐	AUTOMATIC VALVE ASSEMBLY, WEATHERMATIC #1000 SERIES PLASTIC BODY AUTOMATIC VALVE ASSEMBLY WITH FLOW CONTROL AND MANUAL ACTIVATION, SIZE AS SHOWN ON PLAN__PER C.O.A. DETAIL 2103
———	LATERAL PIPING SCH. 40, BELL END, SOLVENT WELD PVC, 18" DEPTH OF BURY, SIZE AS SHOWN ON PLAN. SIZES NOT SHOWN SHALL BE 3/4".
⊐	SOLVENT WELD CAP, SCH. 40 PVC SIZE.
C	IRRIGATION CONTROLLER MOTOROLA SCORPIO M56-25-S1 8 STATION CONTROLLER IN TORO STAINLESS STEEL CABINET WITH #V-300 KEYBOARD & #RRA-4900 ANTENNA WITH 24 VAC SURGE PROTECTION ON CITY FREQUENCY__SEE DETAIL A/19.
	FIXED BUBBLER ASSEMBLY RAINBIRD #1400 SERIES PRESSURE COMPENSATING BUBBLER ON FIXED RISER PER C.O.A. DETAILS 2110 AND 2111
▼	MODEL 1401 — GPM 25 — PSI GPM • 30 PSI
▼	1402 — 50 GPM • 30 PSI
■	RAINBIRD #XBD-80-XERI-BIRD 8 OUTLET EMISSION DEVICE WITH #XB-20 2 GALLON PER HOUR EMITTERS SEE DETAIL B/19.

EMITTER SCHEDULE

2 EMITTERS PER SHRUB
4 EMITTERS PER TREE

FOR INFORMATION ONLY

PUBLIC INFORMATION ONLY

MORROW REARDON WILKINSON, LTD., LANDSCAPE ARCHITECTS
210 La Veta NE, Albuquerque, NM 87108
505.268.2266 FAX 505.265.9637
mrw@mrwnm.com

0 10 20 40 80
SCALE: 1" = 20

AS BUILT INFORMATION

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

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	DATE

ENGINEERS SEAL

STATE OF NEW MEXICO
DENNIS C. WILKINSON
NO. 149
REGISTERED LANDSCAPE ARCHITECT
6-28-02

NO.	DATE	REMARKS

REVISIONS

DESIGN		DATE
DESIGNED BY	RM	6-18-02
DRAWN BY	JFB/ARU	6-18-02
CHECKED BY	ECR/DCW	6-18-02

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BROADWAY MEDIANS
LOMAS TO MARTIN LUTHER KING JR.
IRRIGATION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED SEP - 9 2002 DESIGN REVIEW COMMITTEE	APPROVED SEP - 9 2002 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
5891.91	J-14-Z	21	21

NAME: 0599a-100%-3-12-02/Brdwyirr.DWG DATE: JUNE 28, 2002 VIEW SHEET3A