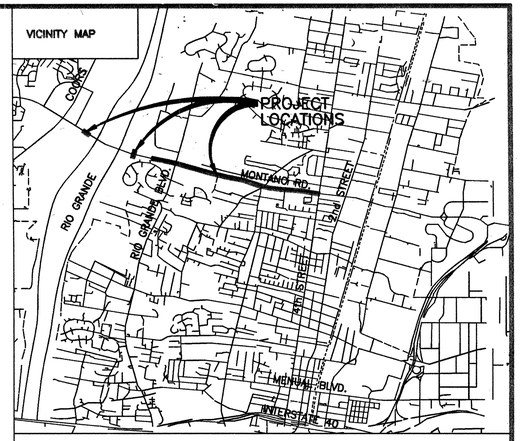
CITY OF ALBUQUERQUE, NEW MEXICO
PUBLIC WORKS DEPARTMENT

MONTANO ROAD
PEDESTRIAN PATHWAY & LANDSCAPING
(STA. 67+01.14 TO STA. 150+67)
COA 5900.91

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES AND LEGEND
3	RIVERSIDE & CORRALES RIVERSIDE DRAIN TRAILS PLAN
4–9	PEDESTRIAN PATHWAY PLANS
10	KEYSTONE BLOCK WALL LAYOUTS
11–27	LANDSCAPING / IRRIGATION PLANS
28–38	TRAFFIC CONTROL PLANS

VICINITY MAP



ZONE ATLAS F-13-Z & F-14-Z

NOTES:

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

THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVE PADS, HANDICAP RAMPS, AND SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER C.O.A. STANDARDS AT HIS OWN EXPENSE.

THE CONTRACTOR SHALL WORK A MINIMUM 12 HOURS PER DAY FOR 5 DAYS A WEEK FOR THE DURATION OF THE PROJECT SCHEDULE. 24 HOUR WORK IS NOT REQUIRED FOR THIS PROJECT.

SCOTT F. FERRAN NEW MEXICO 10272 REGISTERED PROFESSIONAL ENGINEER 6-30-98

CERTIFICATION:
THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION FURNISHED BY R.M.C.I , C.O.A TO REFLECT THE CONSTRUCTION AS ACTUALLY ACCOMPLISHED.

SHEETS		
3, 4, 4A, 5, 6, 6A, 7, 11, 12, 15, 16, 17		
RECORD DRAWINGS	CITY ENGINEER	

WILSON & COMPANY
4775 INDIAN SCHOOL ROAD N.E.
SUITE 200
ALBUQUERQUE, NEW MEXICO 87110

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE

ENGINEERS STAMP & SIGNATURE

SCOTT F. FERRAN NEW MEXICO 10272 REGISTERED PROFESSIONAL ENGINEER 6-19-98

APPROVALS	ENGINEER	DATE
DRC Chairman		6-30-98
Transportation		6-18-98
Water/Wastewater		6/22/98
Hydrology		6-19-98
C.I.P.		6-23-98
Const. Mngmt.		6-9-98
Const. Coord.		6-9-98

APPROVED FOR CONSTRUCTION

City Engineer Date

City Project No. 5900.91

SHEET NO. 1 OF 38

RECORD DRAWING
DATE 1-10-00

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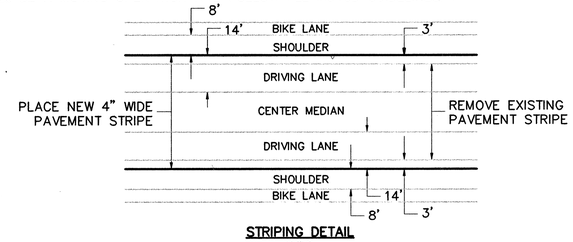
GENERAL NOTES

1. ALL RADII OF CURB RETURNS ARE SHOWN TO FACE OF CURB.
2. UNLESS OTHERWISE SHOWN, ALL DIMENSIONS ARE TO FACE OF CURB.
3. ALL FINISH GRADES AND PROFILES SHOWN ARE TOP OF CURB GRADES, UNLESS OTHERWISE NOTED. MATCH FLOW LINES OF GUTTERS WHEN CONNECTING NEW CURB AND GUTTER TO EXISTING.
4. ALL UTILITY POLES ARE TO BE RELOCATED BY OTHERS BEFORE OR IN CONJUNCTION WITH PROJECT CONSTRUCTION.
5. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
6. WHEN ABUTTING NEW PAVEMENT TO EXISTING, SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING.
7. WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE TO NEAREST JOINT.
8. ALL GAS VALVE BOXES, GAS MANHOLES, ELECTRICAL MANHOLES, AND TELEPHONE MANHOLES WILL BE ADJUSTED TO GRADE BY OWNERS, BEFORE OR IN CONJUNCTION WITH THE PROJECT CONSTRUCTION.
9. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NM ONE CALL SYSTEM, 260–1990, FOR LOCATION OF EXISTING UTILITIES.
10. CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UNDERGROUND UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION THAT MIGHT RESULT FROM PROJECT CONSTRUCTION. IT SHALL BE HIS RESPONSIBILITY TO PROTECT AND PRESERVE UTILITY EQUIPMENT AFFECTED BY PROJECT CONSTRUCTION.
11. EXACT LOCATION OF DRIVE PADS AND WHEELCHAIR RAMPS WILL BE DETERMINED IN THE FIELD BY THE FIELD ENGINEER. LOCATIONS SHOWN ON PLANS AND PROFILES SHEETS ARE APPROXIMATE.
12. ALL WATER METER BOXES IN THE CONSTRUCTION AREA ARE TO BE ADJUSTED TO FINISH GRADE UNDER THIS CONTRACT. THIS WORK WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO PAYMENT WILL BE MADE THEREFORE.
13. SUBGRADE PREPARATION UNDER CURB AND GUTTER, DRIVEPADS AND SIDEWALK SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH AND SHALL BE INCLUDED IN THE BID PRICE FOR SUCH ITEMS.
14. A DISPOSAL SITE, COMPLYING WITH ALL CITY ORDINANCES, SHALL BE OBTAINED BY THE CONTRACTOR FOR THE DISPOSAL OF ALL EXCESS EXCAVATION MATERIAL, ASPHALTIC PAVEMENT (EXCEPT MILLED BITUMINOUS CONCRETE PAVEMENT) AND OTHER WASTE MATERIALS. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE OF THE LOCATION OF THE DISPOSAL SITE PRIOR TO THE REMOVAL OF ACTUAL DISPOSAL MATERIAL. ALL COSTS IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.
15. THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR R.O.W. TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES.
16. FIFTY (50) TON ROLLER OPERATION SHALL NOT BE USED IN THE PROJECT WHERE UNDERGROUND UTILITIES ARE PRESENT. THE REQUIRED COMPACTION AT THESE LOCATIONS SHALL BE EFFECTED BY OTHER MEANS.
17. ALL EXCAVATIONS FOR STORM DRAINS, AND OTHER EXCAVATIONS AS NECESSARY, SHALL BE GOVERNED BY THE OSHA, SAFETY & HEALTH REGULATIONS FOR CONSTRUCTION (TITLE 29, CFR, PART 1926.650 SUBPART P AND PART 1910 AS APPLICABLE TO CONSTRUCTION WORK – PUBLISHED IN THE FEDERAL REGISTER ON OCTOBER 31, 1989).
18. THE CONTRACTOR SHALL NOTIFY THE ALBUQUERQUE TRAFFIC ENGINEERING DIVISION 3 WORKING DAYS IN ADVANCE OF ANY WORK REQUIRED REGARDING ALL EXISTING REGULATORY SIGNS AND SIGNALS THAT NEED TO BE REMOVED, RELOCATED OR REINSTALLED. CALL CITY PINO YARD–TRAFFIC SHOP 857–8000.
19. WHERE PULL BOXES ABUT BACK OF CURB OR ARE LOCATED IN CONCRETE PAVED AREA PROVIDE 1/2" EXPANSION MATERIAL. ALL PULL BOXES TO BE FLUSH WITH SURFACE OF CONCRETE.
20. CONTRACTOR WILL BE HELD RESPONSIBLE FOR CONNECTING NEW CONDUIT TO EXISTING OR NEW TRAFFIC CONTROL FACILITIES. THIS WORK WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.
21. CONSTRUCTION SIGNING AND STRIPING SHALL BE BY CONTRACTOR.
22. EXISTING MEDIAN CURB AND GUTTER OR STANDARD CURB AND GUTTER, NOT DISTURBED BY THE CONTRACTOR, THAT IS OUT OF ALIGNMENT, DISPLACED VERTICALLY, BADLY BROKEN OR DETERIORATED WILL BE REPLACED AS DIRECTED BY THE FIELD ENGINEER, AND WILL BE PAID FOR AT CONTRACT UNIT PRICES.
23. ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE CURRENT EDITION OF "MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES."
24. ALL TRAFFIC CONTROL SIGNS MUST BE INSTALLED BEFORE CONSTRUCTION BEGINS FOR EACH PHASE OF THE WORK AND DIRECTED BY THE FIELD ENGINEER. ALL SIGN LOCATIONS WILL BE SELECTED IN THE FIELD AND APPROVED BY THE FIELD ENGINEER. SIGN HEIGHT SHALL BE 7 FT. ABOVE THE SIDEWALK LEVEL TO THE BOTTOM OF SIGN.
25. ALL DRUMS USED FOR TRAFFIC CONTROL MAY BE FILLED WITH SAND OR WATER BALLAST LIMITED TO 100 LBS. MAXIMUM PER DRUM.
26. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELING PEDESTRIAN AND BICYCLE TRAFFIC AROUND ALL WORK AREAS THROUGHOUT THE CONSTRUCTION PERIOD.
27. ALL ADVANCE WARNING SIGNS AND AND ALL BARRICADES SHALL BE EQUIPPED WITH FLASHING WARNING LIGHTS, TYPE A, EXCEPT ALL CHANNELIZING BARRICADES SHALL HAVE STEADY BURNING WARNING LIGHTS, TYPE C.
28. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED AT ALL CURB RETURNS CONSTRUCTED ON THIS PROJECT AT LOCATIONS SHOWN ON THE PLANS, IN ACCORDANCE WITH CURRENT ADA GUIDELINES. WHEELCHAIR RAMPS SHALL BE MEASURED AND PAID FOR AS WHEELCHAIR ACCESS RAMP AND CONCRETE CURB AND GUTTER.
29. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION – 1986 EDITION (REFERRED TO HEREIN AS THE STANDARD SPECIFICATIONS) – (THROUGH UPDATE SIX).
30. CONTRACTOR SHALL MOVE ALL BARRICADES TO THE EDGE OF PAVEMENT DURING WEEKENDS IF NO WORK IS TO BE DONE.
31. CONTRACTOR SHALL, IF NEEDED, BORE ALL CONDUITS OR IRRIGATION SLEEVES UNDER THE ROADWAY. NO OPEN CUTS TO THE ROADWAY WILL BE ALLOWED.
32. CONTRACTOR SHALL FIELD VERIFY LOCATION AND TYPE OF EXISTING UTILITIES TO BE ADJUSTED OR EXTENDED.
33. THE CONTRACTOR IS CAUTIONED THAT UTILITY RELOCATION BY PRIVATELY OWNED UTILITY COMPANIES MAY OCCUR SIMULTANEOUSLY WITH CONSTRUCTION OF THE PROJECT. UTILITY RELOCATION'S REQUIRED BY THE CONSTRUCTION OF THIS PROJECT ARE TO BE COORDINATED BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. ANY DAMAGE TO LINES, VALVES, METERS, ETC. WILL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
34. WATER SYSTEMS DIVISION SHALL BE THE ONLY AUTHORIZED PERSONNEL TO OPERATE EXISTING VALVES, FIRE HYDRANTS, ETC. ALL WORK SHUTOFFS MUST BE COORDINATED WITH SAID DIVISION (857–8200) FIVE (5) FULL WORKING DAYS PRIOR TO PROPOSED SHUTOFFS. WATER SYSTEM DIVISION SHALL HAVE THE AUTHORITY TO CANCEL ALL SCHEDULED SHUTOFFS AND SHALL BE SUBJECT TO APPROVAL BY WATER SYSTEMS DIVISION.
35. THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS DIVISION AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF WHEN FIRE HYDRANTS WILL BE TAKEN OUT OF SERVICE AND RETURNED TO SERVICE. CALL WATER SYSTEMS DIVISION (857–8200.)
36. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT WILL BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL AT HIS OWN 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.
37. THE CONTRACTOR SHALL ADHERE TO SECTION 19 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS – 1986 FOR PUBLIC WORKS CONSTRUCTION.
38. ALL WALL BARRIERS MUST BE REFLECTORIZED.
39. THE CONTRACTOR SHALL INSTALL ALL TEMPORARY FENCE PRIOR TO STARTING ANY OTHER CONSTRUCTION, AND ALL AREAS WITHIN THE FENCING SHALL BE KEPT SECURE DURING NON–WORKING HOURS.
40. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN ACCESS TO ALL RESIDENCES AND BUSINESS DURING CONSTRUCTION THE CONTRACTOR WILL BE REQUIRED TO PREPARE AN ACCESS CONTROL PLAN AND SUBMIT IT FOR APPROVAL PRIOR TO STARTING CONSTRUCTION. THE ACCESS SHALL BE MAINTAINED BY THE CONTRACTOR DURING THE LIFE OF PROJECT. THIS WORK WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO SEPARATE PAYMENT WILL BE MADE THEREFORE. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS ACCESS TO ALL PROPERTY DURING ACTUAL PAVING OPERATIONS IN FRONT OF EACH RESIDENCE OR BUSINESS.
41. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATIONS 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 BARRICADE ENGINEER (768–2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
42. THE CONTRACTOR WILL REMOVE AND SALVAGE ALL DESIGNATED ITEMS IN THE PLANS AND DELIVER THEM TO THE CITY PINO YARDS. THE CONTRACTOR WILL NOTIFY THE CITY PINO YARDS TWO (2) WORKING DAYS PRIOR TO DELIVERY AT 857–8025. THIS WORK WILL BE CONSIDERED INCIDENTAL AND NO SEPARATE PAYMENT WILL BE MADE THEREFORE.
43. THE CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING EDGE OF DRIVING LANE PAVEMENT STRIPES ON MONTANO FROM COORS BLVD. TO 4TH STREET PER THE DETAIL BELOW. TRAFFIC CONTROL AND CONSTRUCTION SIGNING SHALL BE A MOVING OPERATION AND FOLLOW ALL MUTCD GUIDELINES.



STRIPING DETAIL
N.T.S.

44. THE BID ITEM "CRUSHER FINES, 4" THICK " SHALL HAVE THE FOLLOWING GRADATION:

SIEVE #	PERCENT PASSING
#4	90–100%
#8	65–90%
#16	45–90%
#30	30–50%
#50	18–30%
#100	10–21%
#200	5–15%

45. THE CONTRACTOR SHALL VERIFY ALL PATHWAY, ASPHALT DITCH AND KEYSTONE WALL LOCATIONS/ELEVATIONS PRIOR TO PLACEMENT WITH THE ENGINEER. FIELD MODIFICATIONS ARE ANTICIPATED TO MATCH EXISTING CONDITIONS AND PROVIDE PROPER CONVEYANCE OF DRAINAGE. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.

⚠1 46. WHEN FILL CONSTRUCTION IS REQUIRED ABOVE EXISTING GRADES WITH SLOPES, THE CONTRACTOR SHALL BENCH THE NEW FILL INTO THE EXISTING GRADES. SEE SECTION 204 – FILL CONSTRUCTION OF THE STANDARD SPECIFICATIONS.

INCIDENTAL ITEMS

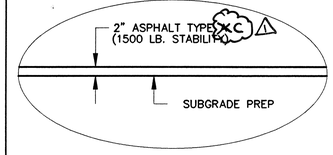
THE FOLLOWING ARE INCIDENTAL ITEMS TO THE COMPLETION OF THE PROJECT AND NO SEPARATE PAYMENT WILL BE MADE THEREFORE. THIS LIST IS NOT NECESSARILY ALL INCLUSIVE THE CONTRACTOR WILL VERIFY WITH THE ENGINEER ITEMS CONSIDERED INCIDENTAL.

1. ADJUST EXISTING WATER METER BOXES TO FINISH GRADE.
2. SUBGRADE PREP UNDER CURB & GUTTER, DRIVE PADS, AND SIDEWALKS. (INCIDENTAL TO BID ITEMS)
3. GENERAL NOTES 14, 20 & 45
4. MAINTAIN ACCESS TO RESIDENCES & BUSINESSES.
5. TREE TRIMMING AS DIRECTED BY THE ENGINEER.
6. PLUGGING EXIST. DRAIN PIPE W/GROUT @ STA. 90+39~RT.
7. RELOCATING & MAINTAINING EXISTING PROPERTY OWNERS IRRIGATION.
8. REMOVAL AND DISPOSAL OF EXISTING CONCRETE HEADWALLS AND IRRIGATION DITCHES TO ROW (STA. 95+17~LT. AND STA. 103+62~LT.)
9. REMOVAL AND DISPOSAL OF EXISTING SHRUBS AND TREES (< 4" DIA.) AS DIRECTED BY THE ENGINEER.
10. REMOVAL AND DISPOSAL OF EXISTING BRICK EDGERS AS DIRECTED BY THE ENGINEER.

PATHWAY DETAILS

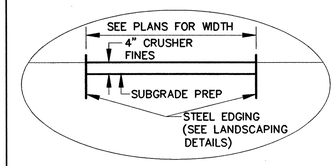
NOTE:
UNLESS NOTED ON PLANS, THE CONTRACTOR SHALL BUILD THE PATHWAYS ON SHEETS 4 TO 8 ACCORDING TO THE BELOW DETAILS.

*THE PATHWAYS FROM STA. 56+00 ~ RT. TO STA. 114+38 ~ RT. SHALL BE ASPHALT. (SEE ASPHALT DETAIL)



ASPHALT DETAIL
N.T.S.

*THE PATHWAYS FROM STA. 66+83 ~ LT. TO STA. 110+60 ~ LT. SHALL BE CRUSHER FINES. (SEE CRUSHER FINE DETAIL)



CRUSHER FINE DETAIL
N.T.S.

NOTE:
STEEL EDGE IS NOT REQUIRED WHEN CRUSHER FINE PATHWAY IS ABUTTING BACK OF CURB & GUTTER OR FACE OF KEYSTONE WALL.

RECORD DRAWING
DATE 1-10-00

WILSON &COMPANY
4775 Indian School Road, N.E., Suite 200
Albuquerque, New Mexico 87110
Ph. (505)-254-4000

AS-BUILT INFORMATION
BENCH MARKS
CONTRACTOR — DATE
STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
FINAL CHECK CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
2	1/10/00	REVISED PER ADDENDUM NO. 2	DDM

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: DDM — DATE: JULY 25, 1997
DRAWN BY: RAG — DATE: JULY 25, 1997
CHECKED BY: SFP — DATE: JULY 25, 1997

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTAÑO PEDESTRIAN PATHWAY & LANDSCAPING GENERAL NOTES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JAN 3 2000 DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No. 5900 | MAP NO. F-13 & F-14 | SHEET 2 OF 38

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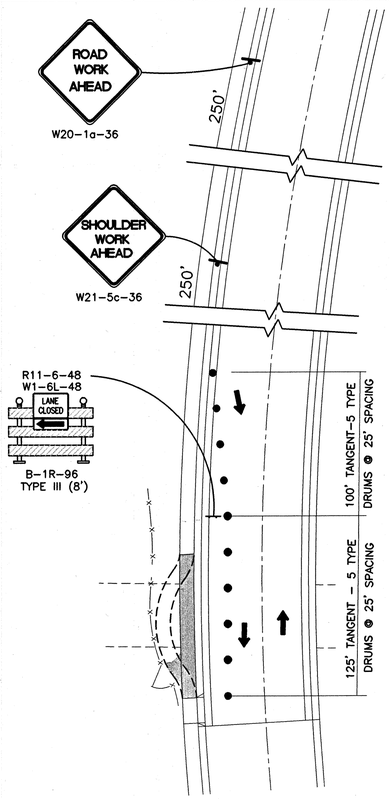
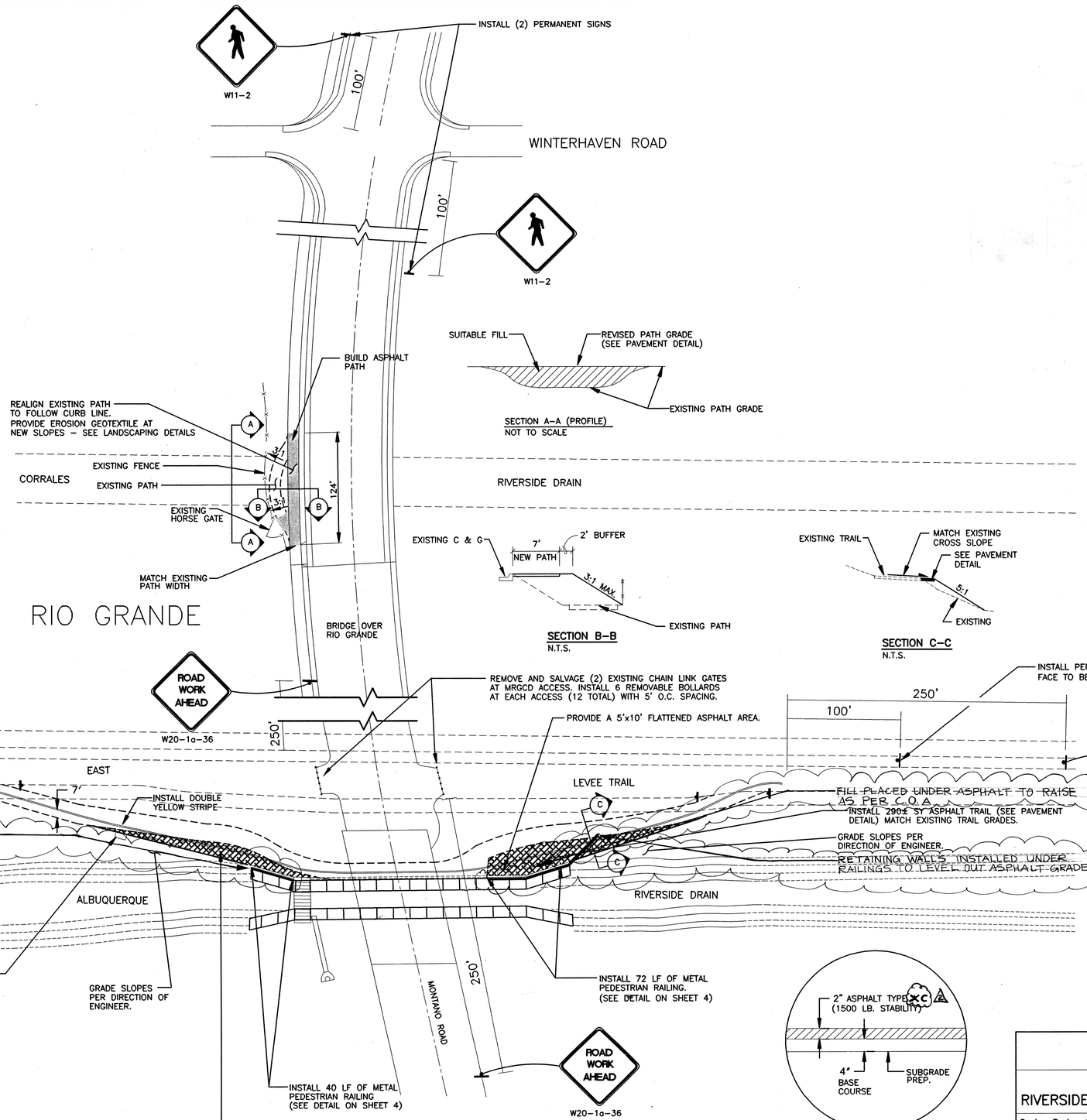


TRAFFIC CONTROL DETAIL
N.T.S.

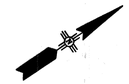


SECTION A-A (PROFILE)
NOT TO SCALE

SECTION B-B
N.T.S.

SECTION C-C
N.T.S.

PAVEMENT DETAIL
N.T.S.



NOT TO SCALE

RECORD DRAWING
DATE 1-10-00

WILSON &COMPANY
4775 Indian School Road, N.E., Suite 200
Albuquerque, New Mexico 87110
Ph. (505)-254-4000

NO.	DATE	REMARKS	BY
1	1-7-00	RECORD DRAWING INFO.	MP
2	1/10/00	REVISED PER ADDENDUM No. 2	DDM

REVISIONS
WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: DDM DATE: JULY 30, 1997
DRAWN BY: MP DATE: JULY 30, 1997
CHECKED BY: SFP DATE: JULY 30, 1997

ENGINEER'S SEAL

AS-BUILT INFORMATION

	DATE
CONTRACTOR	
WORK DONE BY	
INSPECTOR'S ACCEPTANCE BY	
FIELD VERIFICATION BY	
AS-BUILTS CORRECTED BY	

MICRO-FILM INFORMATION

	DATE
RECORDED BY	
NO.	

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RIVERSIDE & CORRALES RIVERSIDE DRAIN TRAILS PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUN 30 1998 DESIGN REVIEW COMMITTEE	APPROVED JUL 1998 CITY ENGINEER			

City Project No. 5900.91 | MAP NO. F 13 | SHEET 3 OF 38

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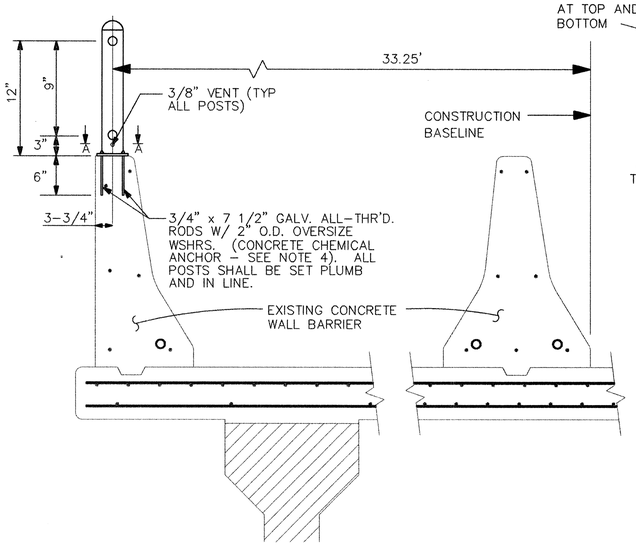
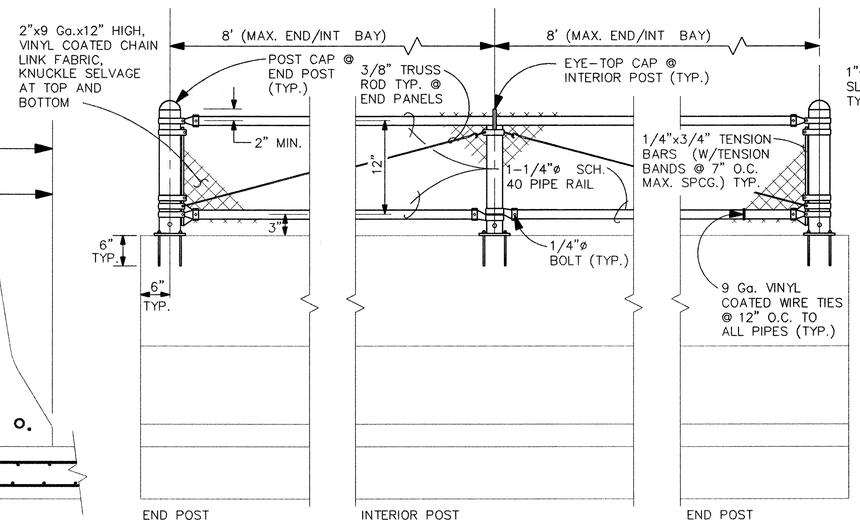
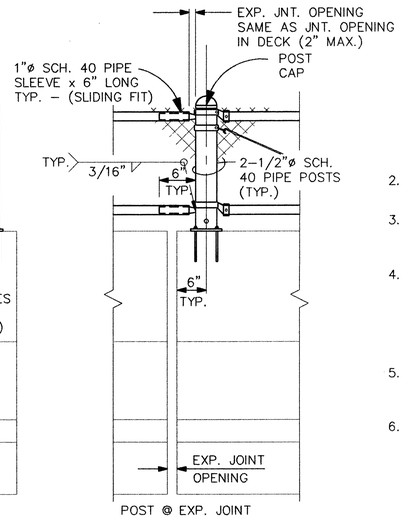


TYPICAL SECTION
NTS

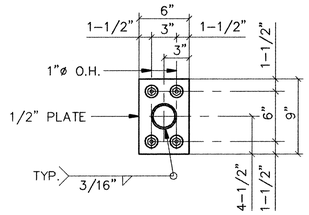


TYPICAL ELEVATION
NTS



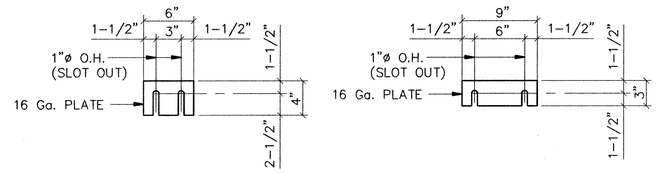
GENERAL NOTES

1. ALL METAL COMPONENTS OF THE PEDESTRIAN SCREENING, INCLUDING THE FABRIC, POSTS, RAILS AND ALL ASSOCIATED HARDWARE SHALL BE VINYL-COATED STEEL IN ACCORDANCE WITH AASHTO M 181 FOR CLASS "A" PVC COATING AS SPECIFIED IN SECTION 410 "FENCES" OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION THROUGH UPDATE #6. EXPOSED PORTIONS OF THE BOLTS, NUTS AND WASHERS SHALL BE FIELD PAINTED AFTER ERECTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE STEEL STRUCTURE PAINTING COUNCIL SPECIFICATIONS (SSPC-SP). THE COLOR OF THE PAINT SHALL MATCH THE COLOR OF THE VINYL COATING. IN LIEU OF PAINTING, BOLTS, NUTS AND WASHERS MAY BE MECHANICALLY GALVANIZED IN ACCORDANCE WITH AASHTO M 298, CLASS "50".
2. THE COLOR OF THE VINYL COATING SHALL BE "CLAYMONT K-48" BY DUPONT.
3. FABRICATION AND ERECTION OF THE PEDESTRIAN SCREEN SHALL CONFORM TO SECTION 410 "FENCES" OF THE STANDARD SPECIFICATIONS.
4. CONTRACTOR SHALL DRILL, CLEAN AND EPOXY ANCHOR RODS WITH SIMPSON CONCRETE CHEMICAL ANCHOR OR APPROVED EQUAL. THE CONTRACTOR SHALL STRICTLY ADHERE TO THE MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS RE-GARDING HOLE PREPARATION AND INSTALLATION OF THE CHEM-ICAL ANCHORS, INCLUDING WEATHER AND TEMPERATURE LIMITATIONS.
5. CAULK AROUND POST BASE PLATES WITH COLD APPLIED NON-SAGGING COMPOUND CONFORMING TO THE REQUIREMENTS OF FEDERAL SPECIFICATIONS TT-S-001543A OR TT-S-230C.
6. TUBULAR STEEL RAILS, TUBULAR STEEL POSTS AND STEEL SLEEVES FOR TUBULAR RAILS SHALL CONFORM TO ASTM F 1083. HIGH STRENGTH BOLTS, THREADED RODS, NUTS AND WASHERS SHALL CONFORM TO AASHTO M 164, M 292, AND M 293. BARS AND PLATES SHALL CONFORM TO AASHTO M 183. ASSEMBLY HARDWARE SHALL CONFORM TO ASTM A 307 OR AASHTO M 183.



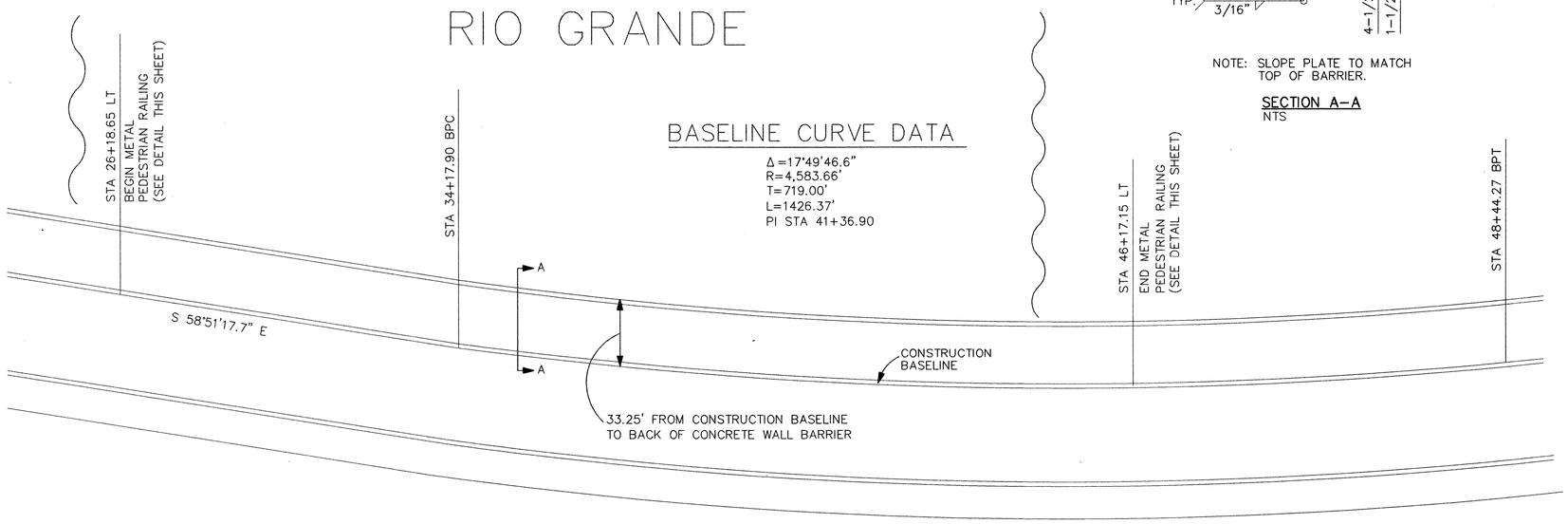
NOTE: SLOPE PLATE TO MATCH TOP OF BARRIER.

SECTION A-A
NTS



NOTE: PROVIDE TWO OF EACH PLATE PER POST (USE AS REQUIRED)

SHIM PLATE
NTS



RECORD DRAWING
DATE 1-10-00

WILSON & COMPANY
4775 Indian School Road, N.E., Suite 200
Albuquerque, New Mexico 87110
Ph. (505)-254-4000

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: DATE
SURVEY 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
SCOTT F. DAVIS NEW MEXICO 12227 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: DDM DATE: JULY 13, 1998
DRAWN BY: KDM DATE: JULY 13, 1998
CHECKED BY: SFP DATE: JULY 13, 1998

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RIVER BRIDGE RAILING

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

City Project No. 5900.91 | MAP NO. X XX | SHEET 3A OF 38

X:\PUBLIC\PROJECTS\97036.01\TYRAILING.DWG 7-23-98 9:56:02 am EST

△ = 07°00'54"
R = 2291.83'
T = 140.48'
L = 280.60'

PC = 65+85.84

PT = 68+66.44

PT = 71+51.05

56+00

70+00

75+00

STA. 66+83
BUILD PATH

STA. 68+45 ~ 30.4' LT. &
STA. 68+49 ~ 33.4' RT.
REMOVE AND RELOCATE EXISTING SIGN

STA. 67+01.14 TO STA. 67+75
BUILD CONCRETE MEDIAN PAVEMENT

STA. 68+06 TO STA. 69+21
BUILD KEYSTONE WALL AT
AT BACK EDGE OF 5' WIDE PATH.
SEE DETAILS ON SHEET 10.

STA. 69+00 TO STA. 71+92 ~ 31' RT.
BUILD KEYSTONE WALL AT BACK OF
CURB & GUTTER. BUILD 292 L.F. OF
METAL PEDESTRIAN RAILING. SEE
SECTION D-D AND SHEET 10.

STA. 70+25± ~ 30' RT.
REMOVE EXISTING CURB AND
GUTTER FOR DRIVEPAD AND
REPLACE WITH 30 L.F. OF
STD. CURB & GUTTER

N76°45'44"W
1741.57'

S83°46'38"E
33.82'

4975

6' WIDE PATH

D

D

STA. 68+00.7
42.26' RT.
R = 3'

PROVIDE A 10' x 5'
FLATTENED ASPHALT AREA

GRADE PATH TO PROVIDE
A MAXIMUM SLOPE OF 5%

STA. 56+00 TO STA. 67+01.14
BUILD 1178± SY ASPHALT PATH
OVER EXISTING CRUSHER FINES
CONTRACTOR SHALL PRESERVE
ALL EXISTING LANDSCAPING.

STA. 67+01.14 ~ 40' RT.
BUILD 10' WIDE PATH

STA. 69+85.87 ~ 69.50' RT. TO
STA. 70+03.75 ~ 83.56' RT.
BUILD (2) 22 L.F. METAL PEDESTRIAN
RAILINGS AT EDGE OF PATH OVER
THE EXISITING CBC. (SEE DETAIL THIS SHEET)

STA. 69+26.67
49.76' RT.
R = 100'

STA. 69+94.65
76.08' RT.

STA. 70+00 ~ 380.47' RT.
INSTALL 1 PIPE BOLLARD
@ CENTER OF PATH
REMOVE AND DISPOSE OF
EXISTING CONCRETE WALL
BARRIER

PC = 69+00.26

△ = 10°01'54"
R = 1432.39'
T = 125.72'
L = 250.79'

10' WIDE PATH

STA. 71+59.99
193.70' RT.
R = 100'

STA. 71+73.32
204.87' RT.

FILL IN DEPRESSED AREA
TO MINIMUM 4975 ELEV.
WITH APPROX. 200 CY OF FILL

STA. 72+32 ~ 249' RT. TO
STA. 72+55 ~ 273' RT.
BUILD KEYSTONE WALL
SEE DETAILS ON SHEET 10

STA. 73+36 ~ 333' RT.
INSTALL (3) PIPE BOLLARDS
@ 5' CENTER TO CENTER

EXISTING GRADE

STA. 73+21 ~ 383' RT.
BUILD 12' WIDE PIPE GATE
SEE C.O.A. STD. DWG. #2251

NEW BOLLARDS

STA. 73+46.48 ~ 333.60' RT.
END 10' WIDE PATH

STA. 70+32.25 ~ 48.59' RT. TO
STA. 70+45.20 ~ 38.24' RT.
BUILD KEYSTONE WALL.
SEE DETAILS ON SHEET 10.

STA. 74+66 ~ 86' RT. TO
STA. 74+24 ~ 229' RT.
REMOVE AND RELOCATE 150 LF
EXISTING BARBED WIRE FENCE

STA. 73+99.38 ~ 160.03' RT. TO
STA. 73+98.63 ~ 219.85' RT.
BUILD KEYSTONE WALL.
SEE DETAILS ON SHEET 10.

STA. 74+40 ~ 167' RT.
RELOCATE EXISTING MAIL
BOX PER DIRECTION OF
ENGINEER

STA. 73+89.91 ~ 219.67' RT.
BUILD 8' WIDE PATH

STA. 73+65.13
~ 302.55' RT.

90° RAD.

STA. 73+94 ~ 292.3' RT.
REMOVE AND RELOCATE
EXISTING SIGN OUTSIDE OF PATH

STA. 73+40.39 ~ 294.29' RT. TO
STA. 73+35.77 ~ 333.60' RT.
REMOVE AND DISPOSE OF 67 L.F.
EXISTING FENCE AND 75 L.F. OF
EXISTING HEADER CURB

STA. 73+87.35 ~ 292.43' RT. TO
STA. 73+86.21 ~ 346.66' RT.
BUILD 8' WIDE ASPHALT PATH
CONNECTION. MATCH PATH TO EDGE
OF SHOULDER AND CONTINUE 2%
CROSS SLOPE. MATCH ASPHALT AT
EXISTING INLET & PROPOSED DRIVEWAY.
BUILD 10' TURNOUT W/5' RADII.

RIO GRANDE BLVD.

REBAR W/CAP
LS 10855

ASPHALT PATH TO
BE DONE BY OTHERS

STA. 73+75.45 MONTANO ROAD =
STA. 50+00.00 RIO GRANDE BLVD.

REBAR W/CAP
LS 10855

STA. 74+05 TO STA. 78+50 RT.
BUILD 445 L.F. OF METAL
METAL PEDESTRIAN RAILING
AT EXISTING KEYSTONE
WALL (SEE DETAIL THIS SHEET)

STA. 76+10.45 ~ 48' LT.
BUILD 7' WIDE ASPHALT PATH

REPLACE MONITORING WELL
LIDS (3). FOR MODEL OF
REPLACEMENT LID, CALL
CONDE THORN @ USGS
(262-5300 EXT. 5311)

STA. 74+03± TO
STA. 79+28± ~ RT.
REMOVE AND SALVAGE 525 L.F.
EXISTING 6' CHAIN LINK
FENCE

7' WIDE ASPHALT PATH

STA. 79+11 ~ 44'LT.
END CRUSHER FINE PATH
BEGIN ASPHALT PATH

STA. 79+50 ~ LT.
END ASPHALT PATH
BEGIN CRUSHER FINE
PATH

6' WIDE CRUSHER FINE PATH

7' WIDE CRUSHER FINE PATH

MONTANO ROAD

8' WIDE PATH

6' WIDE PATH

200' RAD.

200' RAD.

60' RAD.

B

B

C

C

N73°44'44"W
1422.70'

MATCH LINE STA. 80+00.00

STA. 74+39.67
129.67' RT. - PC

STA. 74+68± & 74+86±
~ 81' RT. REMOVE EXISTING
(2) TREES (< 30" DIA.)

STA. 75+00 ~ 72' RT.
MATCH EXISTING DRIVEWAY

REMOVE AND DISPOSE 180 L.F.
EXISTING WOOD FENCE

STA. 74+36.33 ~ 218.77' RT.
TO STA. 77+00 ~ 72' RT.
BUILD 16' WIDE, BASE COURSE
DRIVEWAY, 4" THICK

STA. 74+06 ~ 219' RT.
INSTALL (3) PIPE BOLLARDS
@ 5' CENTER TO CENTER

SEE NEW DETAIL
ON SHEET 4A

4" AGGREGATE
BASE COURSE

2" ASPHALTIC CONCRETE
1500 LB STABILITY (TYP.)

STA. 74+24.05 ~ 246.14' RT. - PC

STA. 74+16 ~ 254' RT. REMOVE
EXISTING (4) TREES (< 6" DIA.)

STA. 73+82 ~ 266.50' RT. TO
STA. 74+36.33 ~ 218.77' RT.
BUILD ASPHALT DRIVEWAY @ 45°
SKEW. (SEE DRIVEWAY PAVING DETAIL)

STA. 73+96 ~ 307' RT. TO
STA. 74+01 ~ 332' RT.
BUILD KEYSTONE WALL SEE DETAILS ON SHEET 10.

STA. 78+55 ~ 42.1' RT.
ADJUST FIRE HYDRANT
TO FINISH GRADE OF PATH
AND RELOCATE TO END OF
KEYSTONE WALL

16'

20'

40'

63.25'

45°

10'R

5:1

SUBGRADE PREP

DRIVEWAY PAVING DETAIL
N.T.S.

R/W
7'-0" PEDESTRIAN PATHWAY
VARIES LANDSCAPING
3'-0" 2" ASPHALT
3.5' EXISTING ROAD TAPER
EDGE OF BIKE LANE
2%
VARIES 3:1 MAX.
5:1
EXISTING ROAD

SECTION B-B
N.T.S.

0 50 100 150 200
SCALE: 1" = 50'

6'-0" (TYP.) 2'-0"
1'-1" 1'-1" 1'-1" 1'-4" 1'-6"
1 1/2"ø SEAMLESS STEEL PIPE
FINISH GRADE OF PATH AND KEYSTONE WALL
10"

5' PEDESTRIAN PATHWAY
METAL PEDESTRIAN RAILING (SEE DETAIL)
2%
VARIES
FACE OF KEYSTONE WALL
SUITABLE FILL PER KEYSTONE WALL SPECIFICATION

METAL PEDESTRIAN RAILING DETAIL
NTS

NOTE: WELD ALL JOINTS WITH A CONTINUOUS BEAD AND DRESS SMOOTH. ROUND ALL CORNERS.

ALL METAL PORTIONS OF THE PEDESTRIAN RAILING SHALL BE PAINTED USING "CLAYMONT" K-48 BY DUPONT. A 1'x1' COLOR SAMPLE PANEL SHALL BE PREPARED AND APPROVED BY THE ENGINEER PRIOR TO THE CONTRACTOR ORDERING ANY MATERIALS. THE PANEL SHALL BE USED AS A CONTROL TO MATCH THE PEDESTRIAN RAILING. THE COST OF THE PAINT AND FOUNDATIONS IS TO BE INCLUDED WITH THE UNIT BID PRICE FOR METAL PEDESTRIAN RAILING.

SECTION D - D
N.T.S.

R/W
3.5' EXISTING ROAD TAPER
3'-0" 2" ASPHALT
7'-0" PEDESTRIAN PATHWAY
VARIES LANDSCAPE AREA
EDGE OF BIKE LANE
EXISTING GROUND
2%
5:1
VARIES 3:1 MAX.
EXISTING ROAD

SECTION C - C
N.T.S.

RECORD DRAWING
DATE 1-10-00

NOTE:
ALL STATIONS AND OFFSETS ARE BASED ON THE CENTERLINE OF MONTANO ROAD

ALL METER BOXES, CATV BOXES, TELEPHONE PEDESTALS, AND ANY OTHER UTILITY EQUIPMENT PROTRUDING INTO PATH SHALL BE ADJUSTED TO GRADE BY UTILITY OWNER. WORK SHALL BE DONE IN CONJUNCTION WITH PATH CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS ABOUT SCHEDULING.

AS-BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S FIELD NOTES BY — DATE
FIELD VERIFICATION BY — DATE
MARKED/NOTED CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS 14-F13:
A 3-1/4" ALUMINUM CAP RIVETED TO AN ALUMINUM PIPE PROJECTING 0.25' ABOVE THE GROUND AND IS STAMPED "14-F13, 1991."
ELEVATION = 4972.838

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

MP | DDM

RECORD DRAWING INFO
1"=10'-00 | 1|0|00 | REVISED PER ADDENDUM NO. 2

NO. | DATE | REMARKS | BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: DDM — DATE: JULY 30, 1997
DRAWN BY: MES — DATE: JULY 30, 1997
CHECKED BY: SFP — DATE: JULY 30, 1997

WILSON & COMPANY
4775 Indian School Road, N.E.,
Suite 200
Albuquerque, New Mexico
87110
Ph. (505)-254-4000

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
PEDESTRIAN PATHWAY PLAN

Design Review Committee — City Engineer Approval
APPROVED JUN 30 1998 DESIGN REVIEW COMMITTEE
APPROVED CITY ENGINEER

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 4 OF 38

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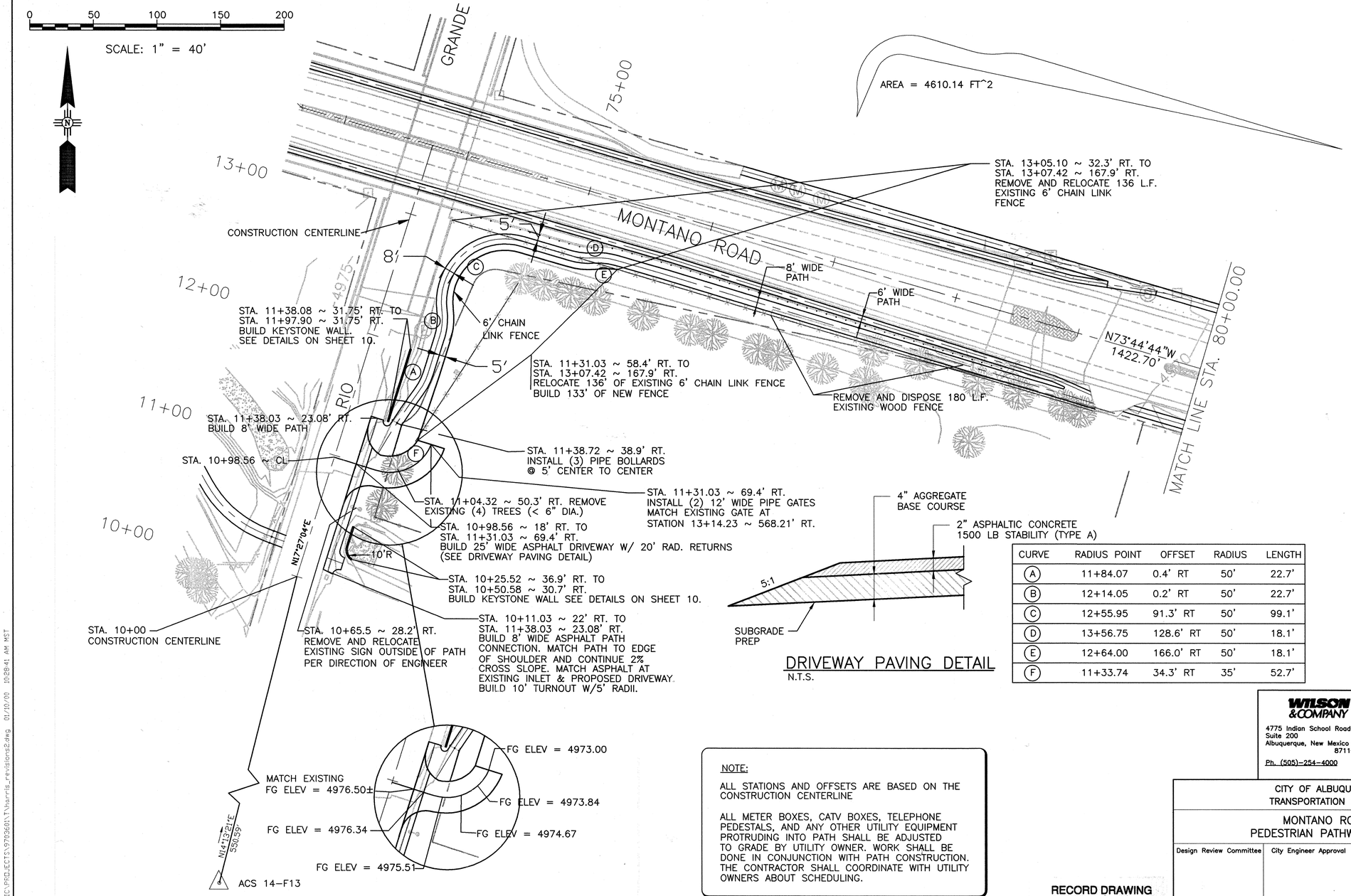

CURVE	RADIUS POINT	OFFSET	RADIUS	LENGTH
(A)	11+84.07	0.4' RT	50'	22.7'
(B)	12+14.05	0.2' RT	50'	22.7'
(C)	12+55.95	91.3' RT	50'	99.1'
(D)	13+56.75	128.6' RT	50'	18.1'
(E)	12+64.00	166.0' RT	50'	18.1'
(F)	11+33.74	34.3' RT	35'	52.7'

NOTE:

ALL STATIONS AND OFFSETS ARE BASED ON THE CONSTRUCTION CENTERLINE

ALL METER BOXES, CATV BOXES, TELEPHONE PEDESTALS, AND ANY OTHER UTILITY EQUIPMENT PROTRUDING INTO PATH SHALL BE ADJUSTED TO GRADE BY UTILITY OWNER. WORK SHALL BE DONE IN CONJUNCTION WITH PATH CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS ABOUT SCHEDULING.

RECORD DRAWING
DATE 1-10-00

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

BENCH MARKS
ACS 14-F13:
A 3-1/4" ALUMINUM CAP RIVETED TO AN ALUMINUM PIPE PROJECTING 0.25' ABOVE THE GROUND AND IS STAMPED "14-F13, 1991."
ELEVATION = 4972.838

AS-BUILT INFORMATION
CONTRACTOR
NOTES BY
STAKED BY
ACCEPTANCE BY
VERIFICATION BY
COMPUTED BY
DRAWN BY
DATE

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

ENGINEER'S SEAL

MP

NO.	DATE	REMARKS
2	3/20/99	REVISED TRAIL & FENCE
1	1/22/99	REVISED TRAIL & DWWY.

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: DDM — DATE: JULY 30, 1997
DRAWN BY: MES — DATE: JULY 30, 1997
CHECKED BY: SFP — DATE: JULY 30, 1997

1"=10'-00 RECORD DRAWING

WILSON & COMPANY
4775 Indian School Road, N.E.,
Suite 200
Albuquerque, New Mexico
87110
Ph. (505)-254-4000

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
PEDESTRIAN PATHWAY PLAN

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 4A OF 38

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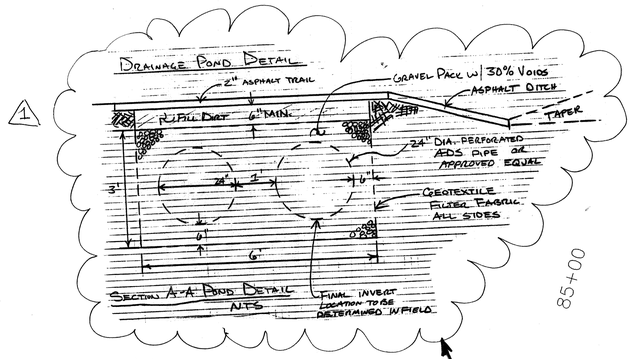
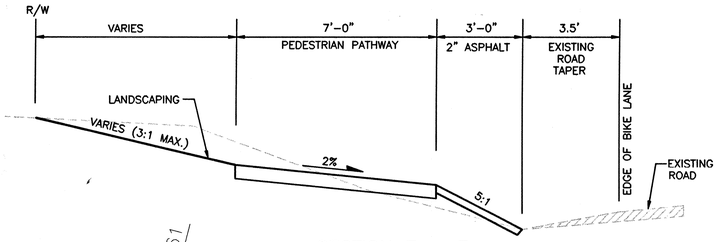
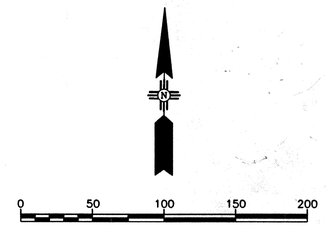




SECTION E – E
N.T.S.



SCALE: 1" = 50'

MATCH LINE STA. 80+00

N73°44'44"W 1422.70'

STA. 81+25.00 ~ 42' LT.

STA 83+36.00 ~ 53' LT.

85+00

PC = 85+73.75

PT = 87+50.61

Δ = 01°46'07"
R = 5729.58'
T = 88.44'
L = 176.86'

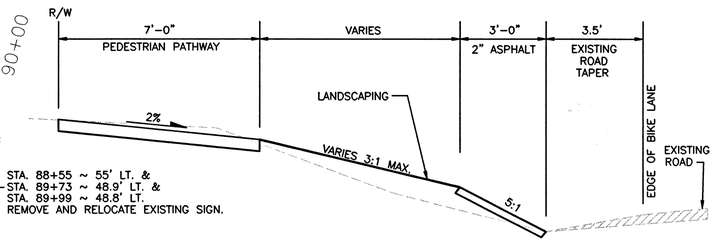
STA. 85+24 ~ 53' LT. AND
STA. 85+61 ~ 53' LT.
BUILD (2) 8' WIDE TURNOUTS
FOR GRIEGOS DRAIN ACCESS.

STA. 85+39 ~ 42' LT. AND
STA. 85+10 ~ 42' RT.
REMOVE AND RELOCATE EXISTING
HORSE CROSSING SIGNS TO 100'
WEST AND EAST OF THE GRIEGOS
DRAIN RESPECTIVELY.

STA. 86+55 ~ 53' LT. TO
STA. 88+49 ~ 53' LT.
BUILD 195 L.F. HEADER CURB @ R/W
SEE COA STD. DWG. 2415

STA. 87+93± & STA. 88+75±
RELOCATE EXISTING 6" DIA.
TREES (2) TO R/W LINE

STA. 88+55 ~ 55' LT. &
STA. 89+73 ~ 48.9' LT. &
STA. 89+99 ~ 48.8' LT.
REMOVE AND RELOCATE EXISTING SIGN.



SECTION B–B
N.T.S.

7' WIDE PATH

STA. 91+54 ~ 52' LT.
ADJUST FIRE HYDRANT
TO FINISH GRADE

ROUGH GRADED DIRT AREA

STEEL EDGE

16'

STA. 84+30 ROUGH GRADE DIRT
HORSE CROSSING WITH STEEL
EDGE BORDER PER MEDIAN DETAIL.

SEE DETAILS

GRIEGOS DRAIN

STA. 84+85 ~ 53' RT. AND
STA. 85+22 ~ 53' RT.
BUILD (2) 8' WIDE TURNOUTS
FOR GRIEGOS DRAIN ACCESS.

STA. 89+29± ~ 38' RT.
INSTALL (1) NEENAH R-4030
GRATE (FOR 12" PIPE SIZE)
W/ SLOTTED OPENINGS,
OR APPROVED EQUAL.
ONTO END OF 12" RCP BELL
PROVIDE A 3' x 3' x 2" THICK
ASPHALT PAD AROUND GRATE.

STA. 89+29± ~ 38' RT. TO
STA. 90+04± ~ 38' RT.
INSTALL 75 L.F. OF 12" RCP
CORE DRILL INTO EXISTING 12"
PIPE @ WEST SIDE OF INLET. MATCH
INLET INVERT & GROUT CONNECTION
OF PIPES. PROVIDE 2' WIDE CUT AT
DRIVEWAY AND REPLACE PAVEMENT TO
MATCH EXISTING. PAYMENT FOR DRIVEWAY
CUT AND PAVEMENT SHALL BE CON-
SIDERED INCIDENTAL TO THE TRENCHING
AND NO ADDITIONAL PAYMENT WILL BE
MADE THEREFORE.

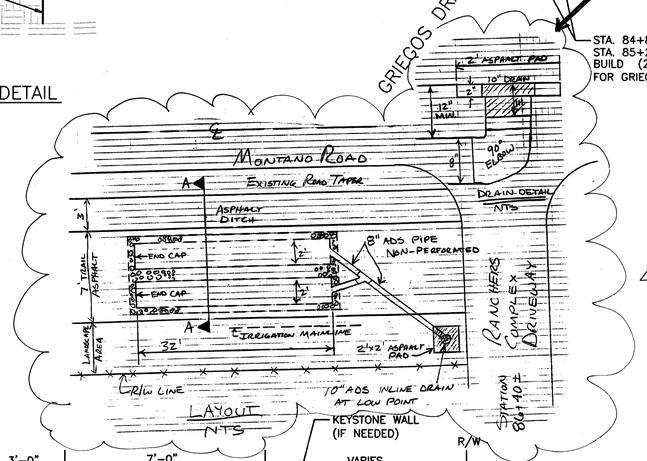
STA. 90+39 ~ 53' RT.
PLUG EXISTING DRAIN PIPE
WITH GROUT, AND COVER.
INCIDENTAL TO COMPLETION
OF PROJECT.

STA. 91+20± ~ 50' RT. TO
STA. 91+29± ~ 60' RT.
REMOVE 10 L.F. OF EXISTING
CONCRETE HEADER CURB.
BUILD 20± S.F. KEYSTONE
BLOCK WALL PER DIRECTION
OF THE ENGINEER.

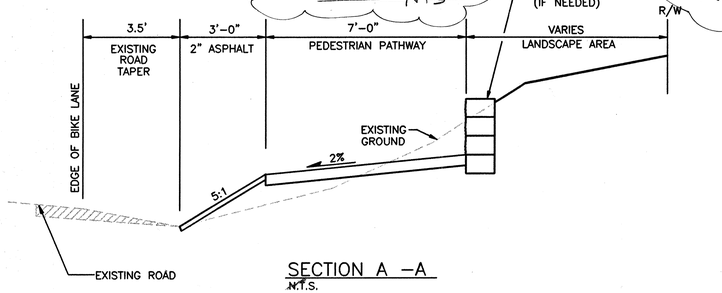
7' WIDE PATH

STA. 91+56 ~ 50.3' RT.
ADJUST FIRE HYDRANT
TO FINISH GRADE

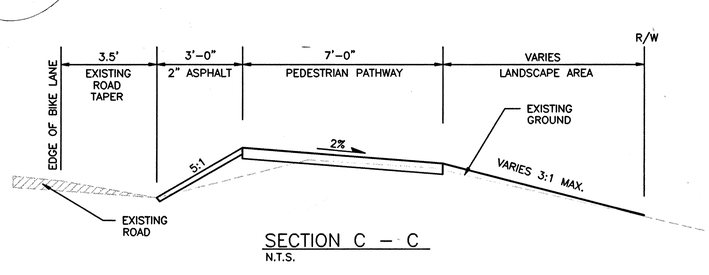
MATCH LINE STA. 95+00.00



MEDIAN DETAIL
N.T.S.



SECTION A –A
N.T.S.



SECTION C – C
N.T.S.

NOTE:
ALL METER BOXES, CATV BOXES, TELEPHONE PEDESTALS, AND ANY OTHER UTILITY EQUIPMENT PROTRUDING INTO PATH SHALL BE ADJUSTED TO GRADE BY UTILITY OWNER. WORK SHALL BE DONE IN CONJUNCTION WITH TRAIL CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS ABOUT SCHEDULING.

RECORD DRAWING
DATE 1-10-00

WILSON & COMPANY
4775 Indian School Road, N.E.,
Suite 200
Albuquerque, New Mexico
87110
Ph. (505)-254-4000

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
PEDESTRIAN PATHWAY PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUN 30 1998 DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No. 5900.91 | MAP NO. F 13 | SHEET 5 OF 38

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

BENCH MARKS
ACS 14-F13:
DATE A 3-1/4" ALUMINUM CAP RIVETED TO AN ALUMINUM PIPE PROJECTING 0.25' ABOVE THE GROUND AND IS STAMPED "14-F13, 1991."
ELEVATION = 4972.838

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
SCOTT F. PATTERSON 12703 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	MP
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY: DDM — DATE: JULY 30, 1997	
		DRAWN BY: MES — DATE: JULY 30, 1997	
1	1-10-00	RECORD DRAWINGS INFO	
		CHECKED BY: SFP — DATE: JULY 30, 1997	

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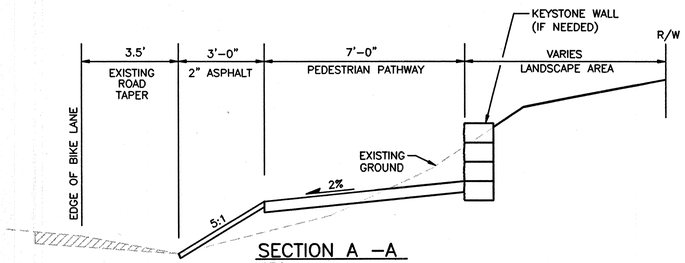
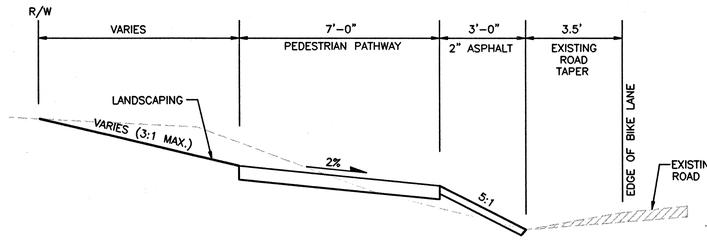
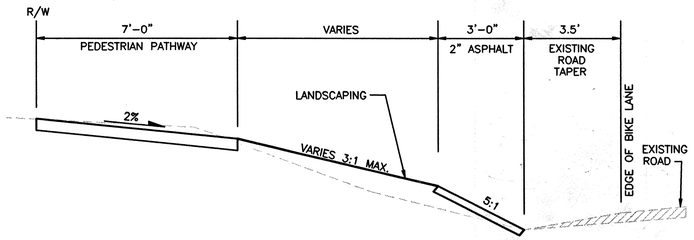


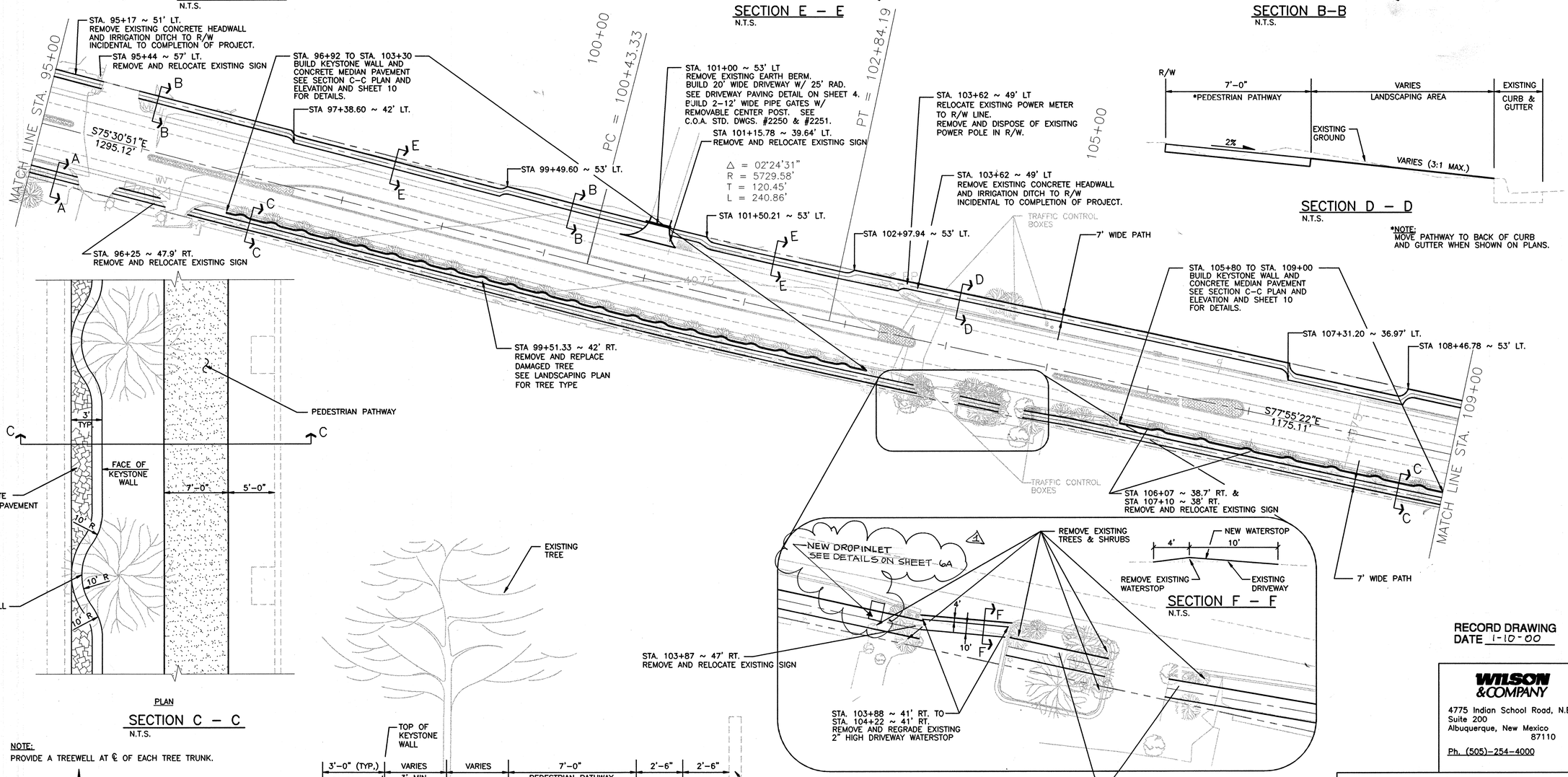
SECTION A –A
N.T.S.



SECTION E – E
N.T.S.



SECTION B–B
N.T.S.



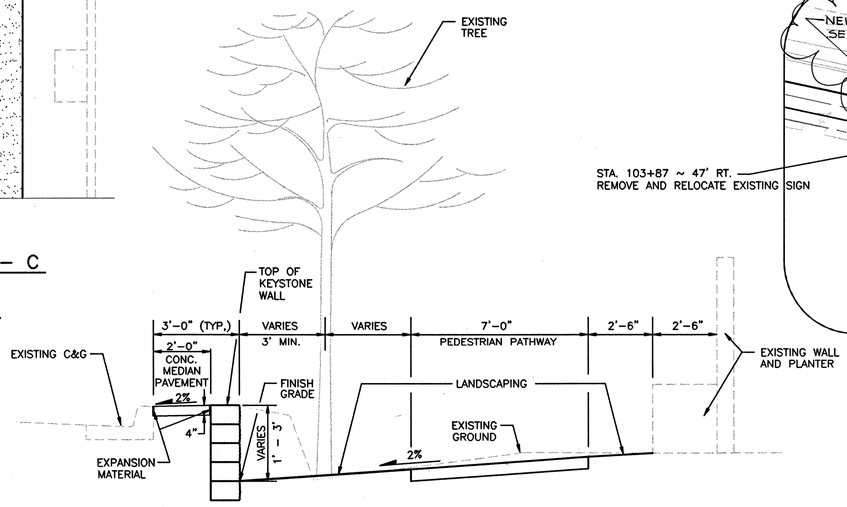
SECTION D – D
N.T.S.

*NOTE:
MOVE PATHWAY TO BACK OF CURB AND GUTTER WHEN SHOWN ON PLANS.

PLAN

SECTION C – C
N.T.S.

NOTE:
PROVIDE A TREEWELL AT ℄ OF EACH TREE TRUNK.



ELEVATION

SECTION C – C
N.T.S.

SECTION F – F
N.T.S.

NOTE:
ALL METER BOXES, CATV BOXES, TELEPHONE PEDESTALS, AND ANY OTHER UTILITY EQUIPMENT PROTRUDING INTO PATH SHALL BE ADJUSTED TO GRADE BY UTILITY OWNER. WORK SHALL BE DONE IN CONJUNCTION WITH TRAIL CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS ABOUT SCHEDULING.

0 50 100 150 200
SCALE: 1" = 50'

RECORD DRAWING
DATE 1-10-00

WILSON &COMPANY
4775 Indian School Road, N.E.,
Suite 200
Albuquerque, New Mexico
87110
Ph. (505)–254–4000

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

BENCH MARKS
ACS 14–F13:
A 3–1/4" ALUMINUM CAP RIVETED TO AN ALUMINUM PIPE PROJECTING 0.25' ABOVE THE GROUND AND IS STAMPED "14–F13, 1991."
ELEVATION = 4972.838

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

MP

NO.	DATE	REMARKS
1	1-10-00	RECORD DRAWING INFO
		REVISIONS
		WILSON & COMPANY, ENGINEERS & ARCHITECTS
		DESIGNED BY: DDM — DATE: JULY 30, 1997
		DRAWN BY: MES — DATE: JULY 30, 1997
		CHECKED BY: SFP — DATE: JULY 30, 1997

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
PEDESTRIAN PATHWAY PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUN 30 1998 DESIGN REVIEW COMMITTEE	APPROVED JUL 1 1998 CITY ENGINEER			

City Project No. 5900.91 | MAP NO. F 13 | SHEET 6 OF 38

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PT = 102+84.19

EXISTING 8' DIA. MH
INV. 18" (S) = 4960.33

PP

UP

103+00

EXISTING 18" RCP
STUBOUT

REMOVE AND REPLACE
EXISTING PAVEMENT REQUIRED
FOR CONSTRUCTION. LIMITS
OF REPLACEMENT TO BE
DETERMINED BY ENGINEER.
MATCH EXISTING PAVEMENT
SECTION.

104+00

EXISTING 66" RCP

END OF EXISTING 18" RCP
INV. =

BUILD SINGLE TYPE "A" STORM INLET
T.C. ELEV. =
INV. 18" (S) =
INSTALL ' x 18" RCP (CL III)

105+00

BUILD 4'- DIA. TYPE "C" MH
INV. 18" (N. FROM INLET) =
INV. 18" (N. FROM STUBOUT) =
RIM ELEV. =
INSTALL ' x18" RCP (CL III)
MATCH EXISTING 18" INVERT

REMOVE ' OF EXISTING
CURB AND GUTTER
BUILD ' STANDARD
CURB AND GUTTER
MATCH EXISTING TOP OF CURB

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL CONSTRUCTION WITH THE ENGINEER.

2. THE CONTRACTOR IS CAUTIONED THAT UTILITY RELOCATION BY PRIVATE OWNED UTILITY COMPANIES WILL OCCUR SIMULTANEOUSLY WITH CONSTRUCTION. CONTRACTOR SHALL COORDINATE THIS WORK.

N

0 10 20 30 40

SCALE: 1" = 20'

RECORD DRAWING
DATE 1-10-00

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
ACS 14-F13:
A 3-1/4" ALUMINUM CAP RIVETED TO AN ALUMINUM PIPE PROJECTING 0.25' ABOVE THE GROUND AND IS STAMPED "14-F13, 1991."
ELEVATION = 4972.838

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: DATE
INSPECTOR'S ASSISTANCE BY: DATE
FIELD VERIFICATION BY: DATE
REMARKS OR CORRECTED BY:
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

SEAL
ENGINEER'S SEAL

RECORD DRAWING INFO
MP
1-10-00

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY
4775 Indian School Road, N.E.,
Suite 200
Albuquerque, New Mexico
87110
Ph. (505)-254-4000

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: DDM DATE: JULY 30, 1997
DRAWN BY: MES DATE: JULY 30, 1997
CHECKED BY: SFP DATE: JULY 30, 1997

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RANCHO CABALLERO MANHOLE

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 6A OF 1

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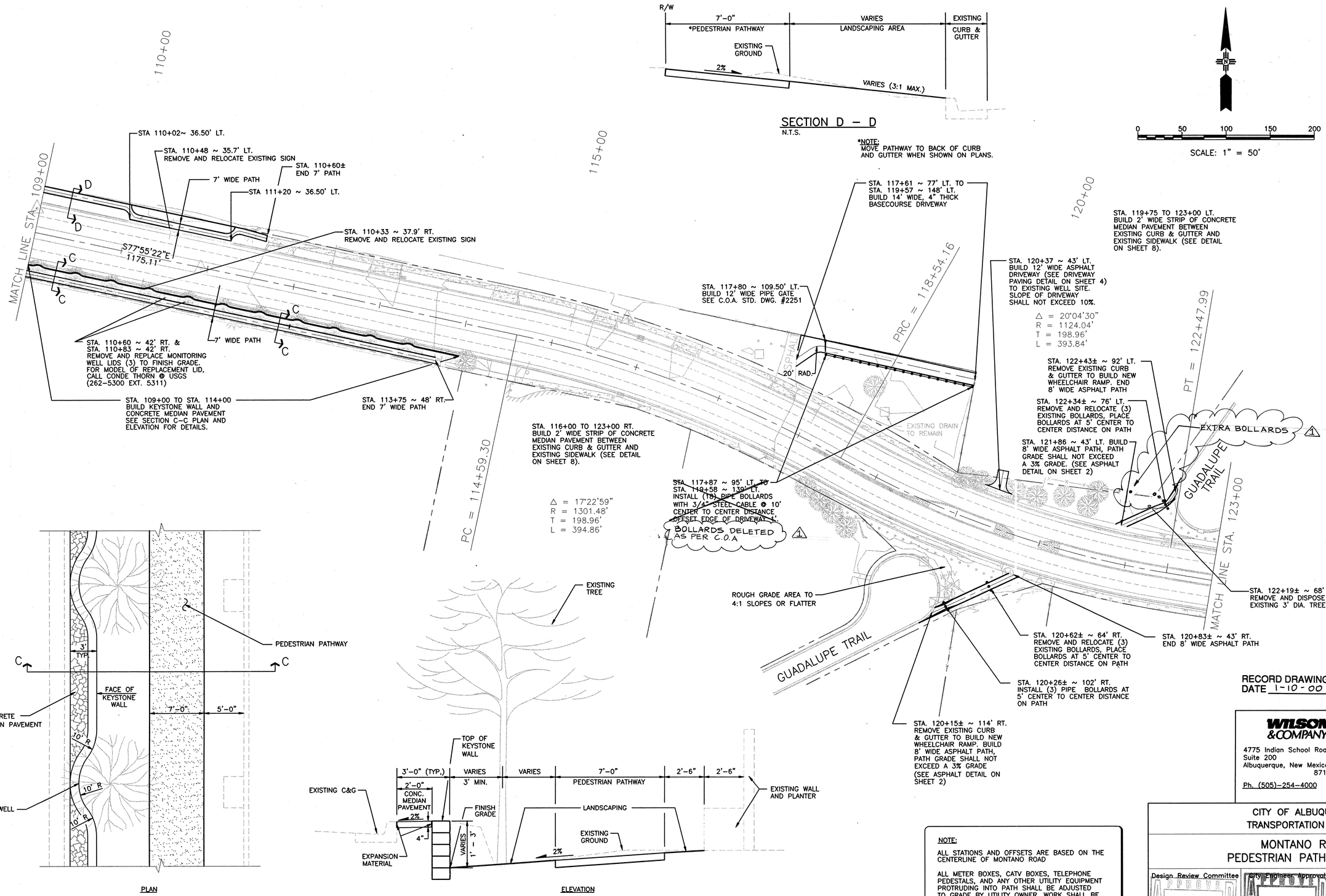

NOTE:
PROVIDE A TREEWELL AT ℄ OF EACH TREE TRUNK.

NOTE:
ALL STATIONS AND OFFSETS ARE BASED ON THE CENTERLINE OF MONTANO ROAD

ALL METER BOXES, CATV BOXES, TELEPHONE PEDESTALS, AND ANY OTHER UTILITY EQUIPMENT PROTRUDING INTO PATH SHALL BE ADJUSTED TO GRADE BY UTILITY OWNER. WORK SHALL BE DONE IN CONJUNCTION WITH TRAIL CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS ABOUT SCHEDULING.

RECORD DRAWING
DATE 1-10-00

WILSON & COMPANY
4775 Indian School Road, N.E., Suite 200
Albuquerque, New Mexico 87110
Ph. (505)-254-4000

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
ACS 14-F13:
A 3-1/4" ALUMINUM CAP RIVETED TO AN ALUMINUM PIPE PROJECTING 0.25' ABOVE THE GROUND AND IS STAMPED "14-F13, 1991."
ELEVATION = 4972.838

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

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	1-7-00	RECORD DRAWING INFO.	MP

REVISIONS
WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: DDM DATE: JULY 30, 1997
DRAWN BY: MES DATE: JULY 30, 1997
CHECKED BY: SFP DATE: JULY 30, 1997

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
PEDESTRIAN PATHWAY PLAN

Design Review Committee: APPROVED JAN 30 1998 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 1 1998 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5900.91 | MAP NO. F 13 | SHEET 7 OF 38

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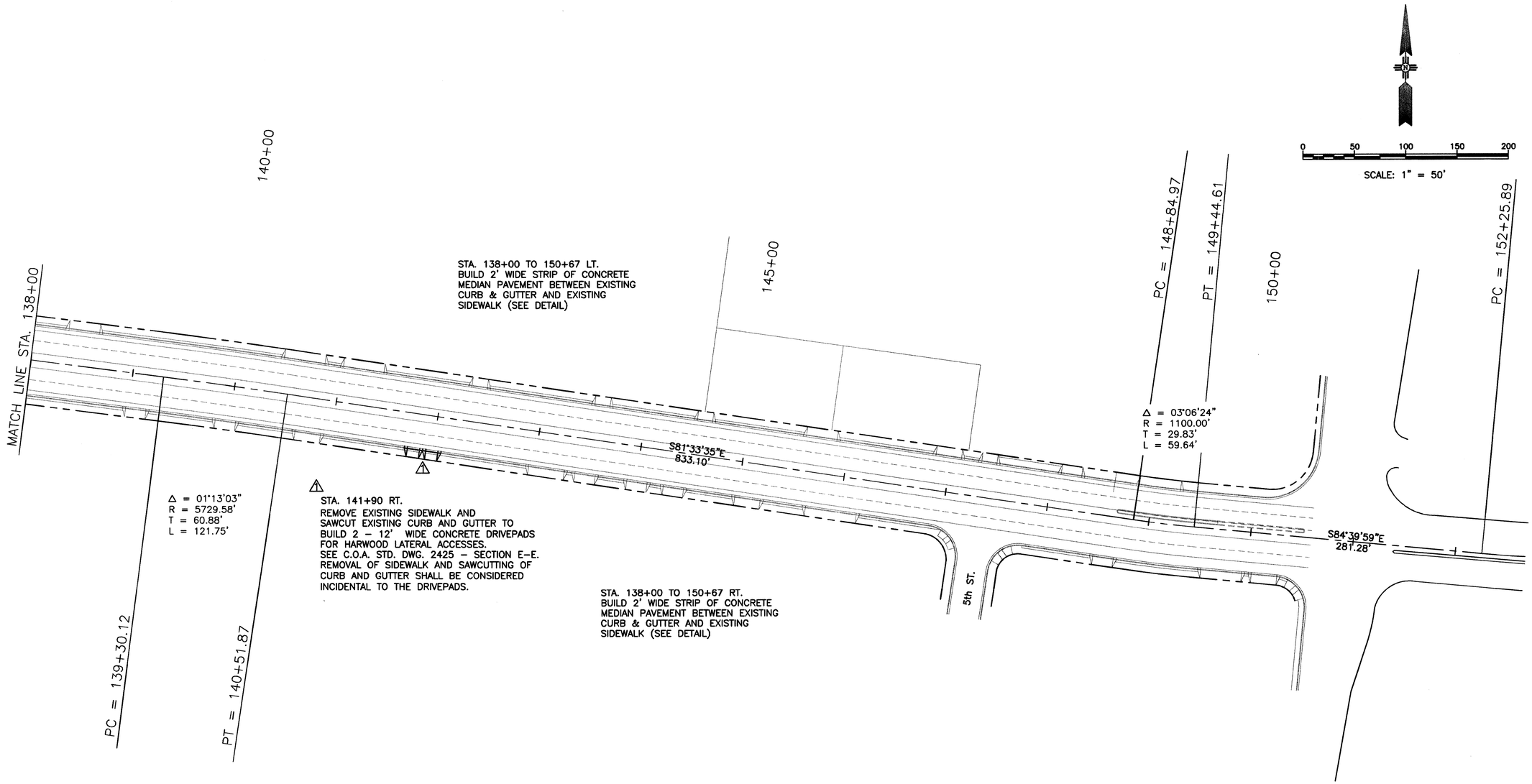

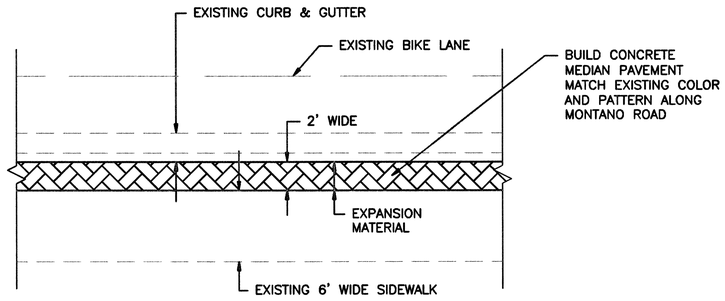

MEDIAN PAVEMENT DETAIL
N.T.S.

RECORD DRAWING
DATE 1-10-00

NOTE:

ALL STATIONS AND OFFSETS ARE BASED ON THE CENTERLINE OF MONTANO ROAD

ALL METER BOXES, CATV BOXES, TELEPHONE PEDESTALS, AND ANY OTHER UTILITY EQUIPMENT PROTRUDING INTO PATH SHALL BE ADJUSTED TO GRADE BY UTILITY OWNER. WORK SHALL BE DONE IN CONJUNCTION WITH TRAIL CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS ABOUT SCHEDULING.

WILSON &COMPANY
4775 Indian School Road, N.E.,
Suite 200
Albuquerque, New Mexico
87110
Ph. (505)-254-4000

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: DATE
INSPECTED BY: DATE
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

NO.	DATE	REMARKS	BY
1	7/24	ADDED DRIVEPAD CONSTR.	DDM

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: DDM DATE: JULY 30, 1997
DRAWN BY: MES DATE: JULY 30, 1997
CHECKED BY: SFP DATE: JULY 30, 1997

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
PEDESTRIAN PATHWAY PLAN

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 9 OF 38

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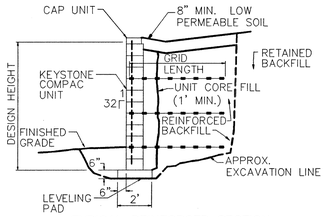
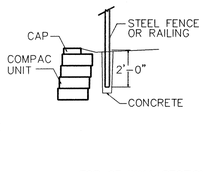
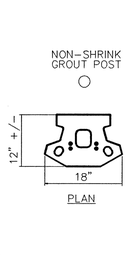


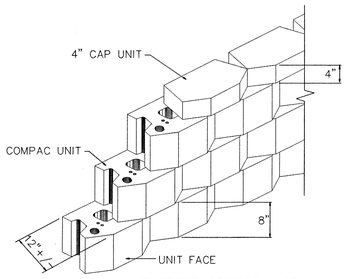
TYPICAL REINFORCED SECTION
COMPAC UNIT – NEAR VERTICAL WALL
SCALE: NONE



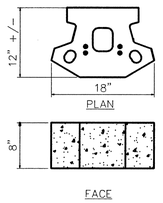
TOP OF WALL SECTION
FENCE DETAIL
SCALE: NONE



PLAN

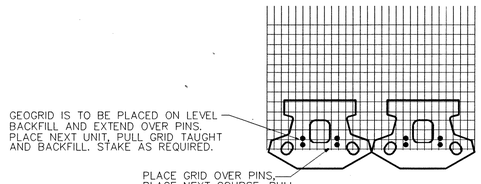


KEYSTONE COMPAC UNIT
ISOMETRIC
SCALE:NONE

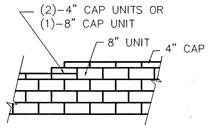


KEYSTONE COMPAC UNIT
SCALE: NONE

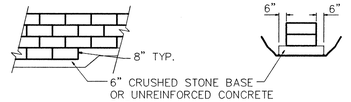
UNIT DETAILS



KEYSTONE COMPAC UNIT
GRID/PIN CONNECTION
SCALE: NONE



TOP OF WALL STEPS
SCALE: NONE



LEVELING PAD AND STEP DETAILS
SCALE: NONE

GENERAL NOTES FOR KEYSTONE BLOCK WALLS

1. ALL STATIONING AND OFFSETS ARE TO FACE OF WALL FROM ℄ MONTANO ROAD.
2. KEYSTONE WALLS SHALL BE PAID PER SQUARE FOOT OF FACE OF KEYSTONE BLOCK.
3. KEY STONE WALLS SHALL CONFORM TO THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS FOR KEYSTONE RETAINING STRUCTURES, SECTION 562.
4. THE MAXIMUM ALLOWABLE BEARING PRESSURE FOR THE DESIGN OF KEYSTONE WALLS WITH HEIGHTS UP TO 7.5 FEET SHALL BE 3000 PSF. THE COEFFICIENT OF SLIDING USED FOR DESIGN SHALL BE 0.40.
5. KEYSTONE WALL SHALL BE CONCRETE FACE BLOCK AND SOIL REINFORCEMENT TYPE.
6. STRUCTURE BACKFILL MATERIAL BEHIND THE KEYSTONE WALLS WILL BE PAID FOR UNDER BID ITEM 7, EMBANKMENT FOR KEYSTONE.
7. DESIGN OF KEYSTONE WALLS SHALL BE AS PER AASHTO REQUIREMENTS EXCEPT AS FOLLOWS:
   A. DESIGN SHALL BE FOR STATIC AND SEISMIC LOAD CASES. SEISMIC ACCELERATION TO BE 0.18 g.
8. THE DESIGN OF HORIZONTAL PRESSURES ON BLOCK FACES SHALL BE DETERMINED USING MEYERHOF'S ASSUMPTIONS ACCOUNTING FOR SOIL REINFORCEMENT AND MASS ECCENTRICITY.

11. THE KEYSTONE WALLS (REINFORCED OR UNREINFORCED) SHALL BE EMBEDDED PER MANUFACTURER'S RECOMMENDATIONS. THE ESTIMATED QUANTITY FOR THIS PROJECT ASSUMED AN EMBEDDED DEPTH OF 8 INCHES. ⚠1

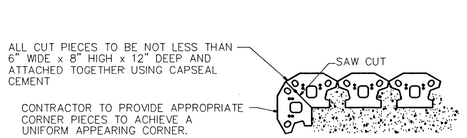
9. LEVELING PAD SHALL BE CAST IN PLACE ON COMPACTED SOIL AS DETERMINED BY AASHTO T99, METHOD C OR D, WITH OVERSIZE CORRECTION AS OUTLINED IN NOTE 7, TO NINTY FIVE PERCENT (95%) OF THE MAXIMUM DENSITY.
10. EXPOSED SURFACES OF KEYSTONE WALLS SHALL BE COLORED WITH DAVIS COLOR "GALLUP GOLD" OR OWNER APPROVED EQUAL ADDED TO CEMENT AS AN INTERGAL COLOR. A 1'x 1' COLOR SAMPLE SHALL BE PREPARED AND APPROVED BY THE PROJECT MANAGER PRIOR TO ORDERING ANY MATERIALS. THIS PANEL SHALL BE USED AS A CONTROL TO MATCH AREAS GIVEN THE SPECIAL SURFACE FINISH.

ANTI-GRAFFITI PROTECTIVE COATING

A PIGMENTED ANTI-GRAFFITI PROTECTIVE COATING WILL BE APPLIED TO THE FOLLOWING SURFACES DESIGNATED TO RECEIVE A SPECIAL SURFACE FINISH. EXPOSED AGGREGRATE AND PAINTED STEEL SURFACES SHALL RECEIVE A CLEAR ANTI-GRAFFITI PROTECTIVE

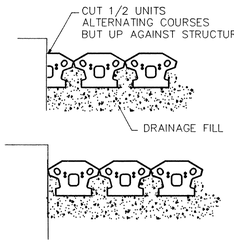
1. EXPOSED SURFACES OF ALL KEYSTONE WALLS

THIS WORK SHALL BE CONSIDERED INCIDENTAL TO KEYSTONE WALLS AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFOR.



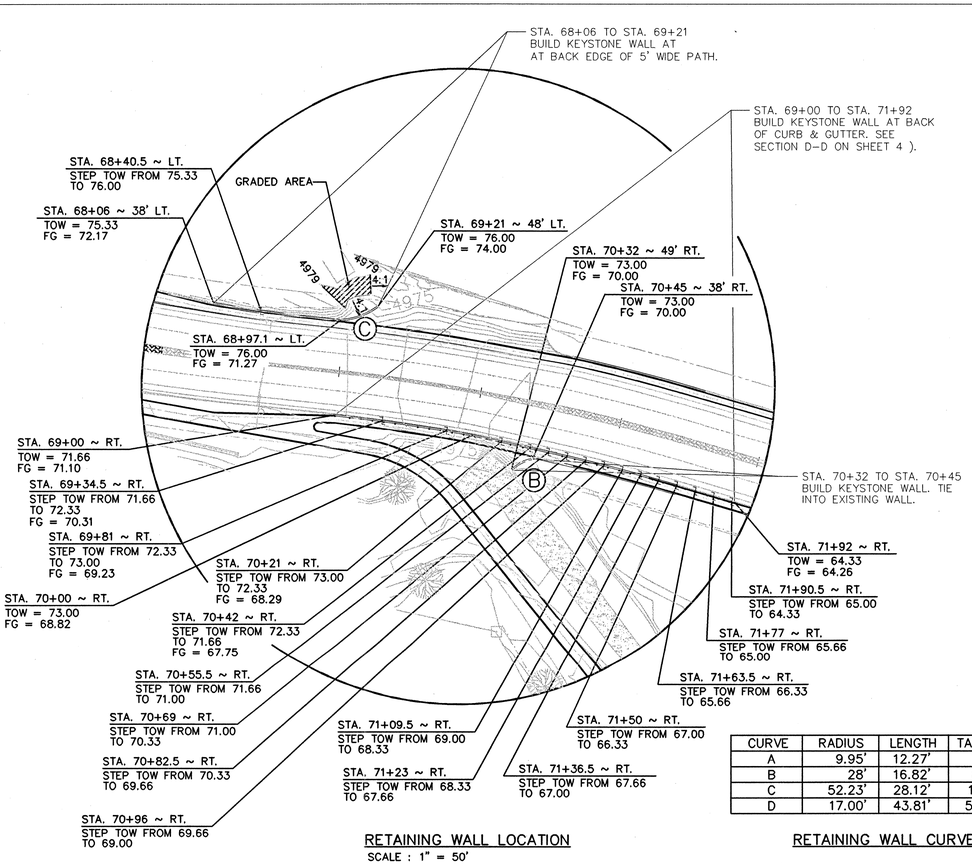
TYPICAL CORNER DETAIL

PLAN
SCALE: NONE



CONSTRUCTION ABUTTING WALLS

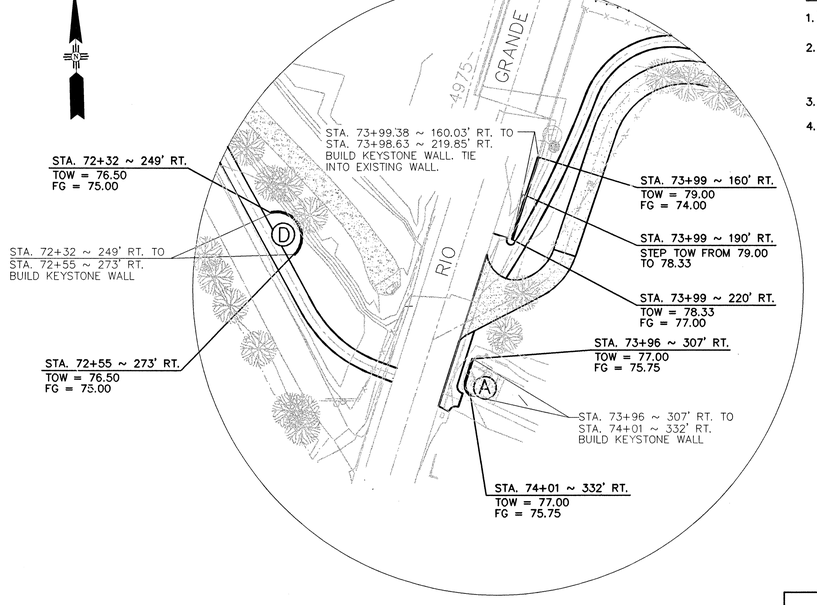
PLAN
SCALE: NONE



RETAINING WALL LOCATION
SCALE : 1" = 50'

CURVE	RADIUS	LENGTH	TANGENT	DELTA
A	9.95'	12.27'	7.06'	70°42'12"
B	28'	16.82'	8.67'	34°25'38"
C	52.23'	28.12'	14.41'	30°50'51"
D	17.00'	43.81'	58.59'	147°38'26"

RETAINING WALL CURVE DATA



RETAINING WALL LOCATION
SCALE : 1" = 50'

NOTES:

1. ⌐ INDICATES STEP IN WALL.
2. TOW INDICATES TOP OF WALL ELEVATION. FG INDICATES FINNISH GRADE ELEVATION AT BASE OF WALL.
3. ADD 4900' TO ALL ELEVATIONS.
4. TOP OF WALL AND FINISH GRADE ELEVATIONS FOR KEYSTONE WALL FROM STA. 96+92 TO STA. 103+30 AND STA. 105+80 TO STA. 114+00 SHALL BE PER SECTION C-C (ELEVATION) ON SHEETS 6 & 7.

RECORD DRAWING
DATE 1-10-00

WILSON & COMPANY
4775 Indian School Road, N.E., Suite 200
Albuquerque, New Mexico 87110
Ph. (505)-254-4000

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 14-F13:
A 3-1/4" ALUMINUM CAP RIVETED TO AN ALUMINUM PIPE PROJECTING 0.25 ABOVE THE GROUND AND IS STAMPED "14-F13,1991."
ELEVATION = 4972.838

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
FIELD INSPECTION BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS COMPILED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	1/00	REVISED PER ADDENDUM NO. 2	DDM

REVISIONS
WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY DDM DATE 05 1998
DRAWN BY RAG DATE 05 1998
CHECKED BY SFP DATE 05 1998

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

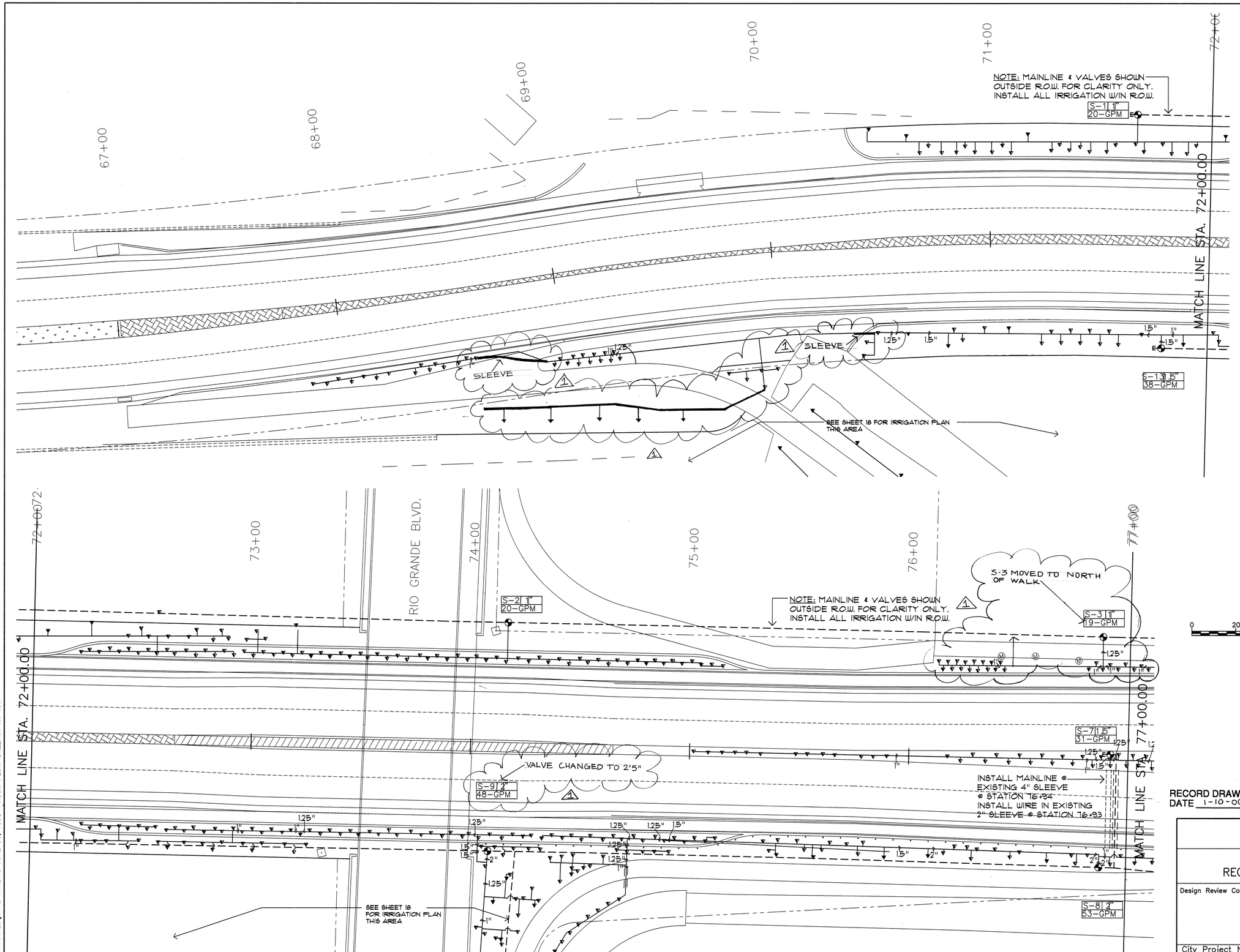
MONTANO ROAD
KEYSTONE BLOCK WALL LAYOUTS

Design Review Committee: APPROVED — DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 1 1998 CITY ENGINEER
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No. 5900.91 | MAP NO. | SHEET 10 OF 38

WILSON & COMPANY

X:\PUBLIC\PROJECTS\97036-01\TK\KEYSTONE.DWG 6-22-98 10:58:47 am EST



0 20 40 60 80

SCALE: 1" = 20'

RECORD DRAWING
DATE 1-10-00

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 265-2266 FAX: 505 265-9637

WILSON & COMPANY
4775 Indian School Road, N.E., Suite 200
Albuquerque, New Mexico 87110
Ph. (505)-254-4000

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
DATE
INSPECTION'S ACCEPTANCE BY
DATE
FIELD MODIFICATIONS BY
DATE
MARKINGS CORRECTED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
ELIZABETH C. FISH
NO. 2647
REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS	BY
		REVISIONS	
1	1-10-00	RECORD DRAWING INFO.	MP

WILSON & COMPANY, ENGINEERS & ARCHITECTS DATE: JULY 1998
DESIGNED BY: RM DATE: JULY 1998
DRAWN BY: RM DATE: JULY 1998
CHECKED BY: ECR DATE: JULY 1998

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RECREATIONAL TRAILS/IRRIGATION PLAN

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 11 OF 38

D:\MNTOTRLS\MTRL_IRR.DWG JUNE 30, 1998 11:30M PLOT: SHEET1A 1:1 RHT

77+00 MATCH LINE STA. 77+00.00

78+00

79+00

80+00

81+00

82+00

MOVED TO NORTH SIDE OF ASPHALT

NOTE: MAINLINE & VALVES SHOWN OUTSIDE R.O.W. FOR CLARITY ONLY. INSTALL ALL IRRIGATION W/ IN R.O.W.

1.25"

4970

NOTE: MAINLINE & VALVES SHOWN OUTSIDE R.O.W. FOR CLARITY ONLY. INSTALL ALL IRRIGATION W/ IN R.O.W.

MATCH LINE STA. 82+00

82+00

83+00

84+00

85+00

86+00

87+00 MATCH LINE STA. 87+00

S-4 | 2" | 58-GPM

NOTE: MAINLINE & VALVES SHOWN OUTSIDE R.O.W. FOR CLARITY ONLY. INSTALL ALL IRRIGATION W/ IN R.O.W.

CONNECT CONTROLLER'S TO 120 VOLT POWER POWER SUPPLY FROM POLE #268

MOVED

INSTALL WIRE IN EXISTING 2" SLEEVE

GRIEGO DRAIN

CONTRACTOR SHALL PROVIDE TRANSFORMER & POWER DROP FROM EXISTING POLE #268 PER PNM DISTRIB. STD. DS-4-10.0 CONTRACTOR SHALL COORDINATE W/ PNM FOR INSTALLATION OF TRANSFORMER

INSTALL MAINLINE @ EXISTING 4" SLEEVE @ STATION 83+57

INSTALL WIRE IN EXISTING 2" SLEEVE @ STATION 83+56 (TYP @ NORTH & SOUTH)

BORE UNDER EXISTING DRIVE TO INSTALL SLEEVE FOR LATERAL

S-5 | 2" | 49-GPM

NOTE: METER, VALVE, & RP SHOWN IN STREET FOR CLARITY ONLY. INSTALL IN MEDIAN.

TIE INTO EXISTING 2" STUB OUT @ STATION 83+75

S-6 | 1" | 12-GPM

INSTALL LATERAL W/ IN EXISTING 4" SLEEVE

0 20 40 60 80

SCALE: 1" = 20'

RECORD DRAWING
DATE 1-10-00

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 256-2266 FAX: 505 265-9637

WILSON & COMPANY
4775 Indian School Road, N.E., Suite 200
Albuquerque, New Mexico 87110
Ph. (505)-254-4000

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RECREATIONAL TRAILS/IRRIGATION PLAN

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 12 OF 38

ENGINEER'S SEAL
STATE OF NEW MEXICO
ELIZABETH C. FISH
NO. 26
REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS / REVISIONS	BY
1	1-7-00	RECORD DRAWING INFO	MP

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: RM DATE: JULY 1998
DRAWN BY: RM DATE: JULY 1998
CHECKED BY: EOR DATE: JULY 1998

AS-BUILT INFORMATION
CONTRACTOR
WORK STARTED BY: DATE
WORK COMPLETED: DATE
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

D:\MNTOTRLS\MTRL-PLT.DWG JUNE 30, 1998 12:04 PM PLOT: VIEW SHEET2A 1:1 RHT

87+00 88+00 89+00 90+00 91+00 92+00

1-1 | 1.5" | 38-GPM

1-2 | 1" | 5-GPM

NOTE: MAINLINE & VALVES SHOWN OUTSIDE R.O.W. FOR CLARITY ONLY. INSTALL ALL IRRIGATION W/ IN R.O.W.

INSTALL MAINLINE IN EXISTING 4" SLEEVE INSTALL WIRE IN EXISTING 2" SLEEVE

INSTALL MAINLINE IN EXISTING 4" SLEEVE INSTALL WIRE IN EXISTING 2" SLEEVE

1.5" 1" 1" 1.25" 1.25" 1.25" 1.25" 1" 1" 1" 1"

BORE UNDER EXISTING PAVEMENT TO INSTALL 4" SLEEVE FOR LATERAL

970

INSTALL MAINLINE IN EXISTING 4" SLEEVE

REMOVE & CAP EXISTING HEADS LOCATED IN R.O.W.

92+00 93+00 94+00 95+00 96+00 97+00

1-3 | 2" | 38-GPM

NOTE: MAINLINE & VALVES SHOWN OUTSIDE R.O.W. FOR CLARITY ONLY. INSTALL ALL IRRIGATION W/ IN R.O.W.

1-4 | 2" | 38-GPM

INSTALL MAINLINE IN EXISTING 4" SLEEVE INSTALL WIRE IN EXISTING 2" SLEEVE

INSTALL LATERAL IN EXISTING 4" SLEEVE @ STATION 92+21

MATCH LINE STA. 92+00

MATCH LINE STA. 97+00

REMOVE & CAP EXISTING HEADS LOCATED W/ IN R.O.W.

0 20 40 60 80

SCALE: 1" = 20'

RECORD DRAWING
DATE 1-10-00

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 268-2266 FAX: 505 265-9637

WILSON & COMPANY
4775 Indian School Road, N.E., Suite 200
Albuquerque, New Mexico 87110
Ph. (505)-254-4000

AS-BUILT INFORMATION
CONTRACTOR
NOTES BY
DATE
STAKED BY
INSPECTIONS BY
ADDITIONS BY
FIELD VERIFICATIONS BY
DRAWINGS
CORRECTED BY
DATE

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
ELIZABETH C. FISH
NO. 26
REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS / REVISIONS	BY
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY: RM	DATE: JULY 1998
		DRAWN BY: RM	DATE: JULY 1998
		CHECKED BY: EOR	DATE: JULY 1998

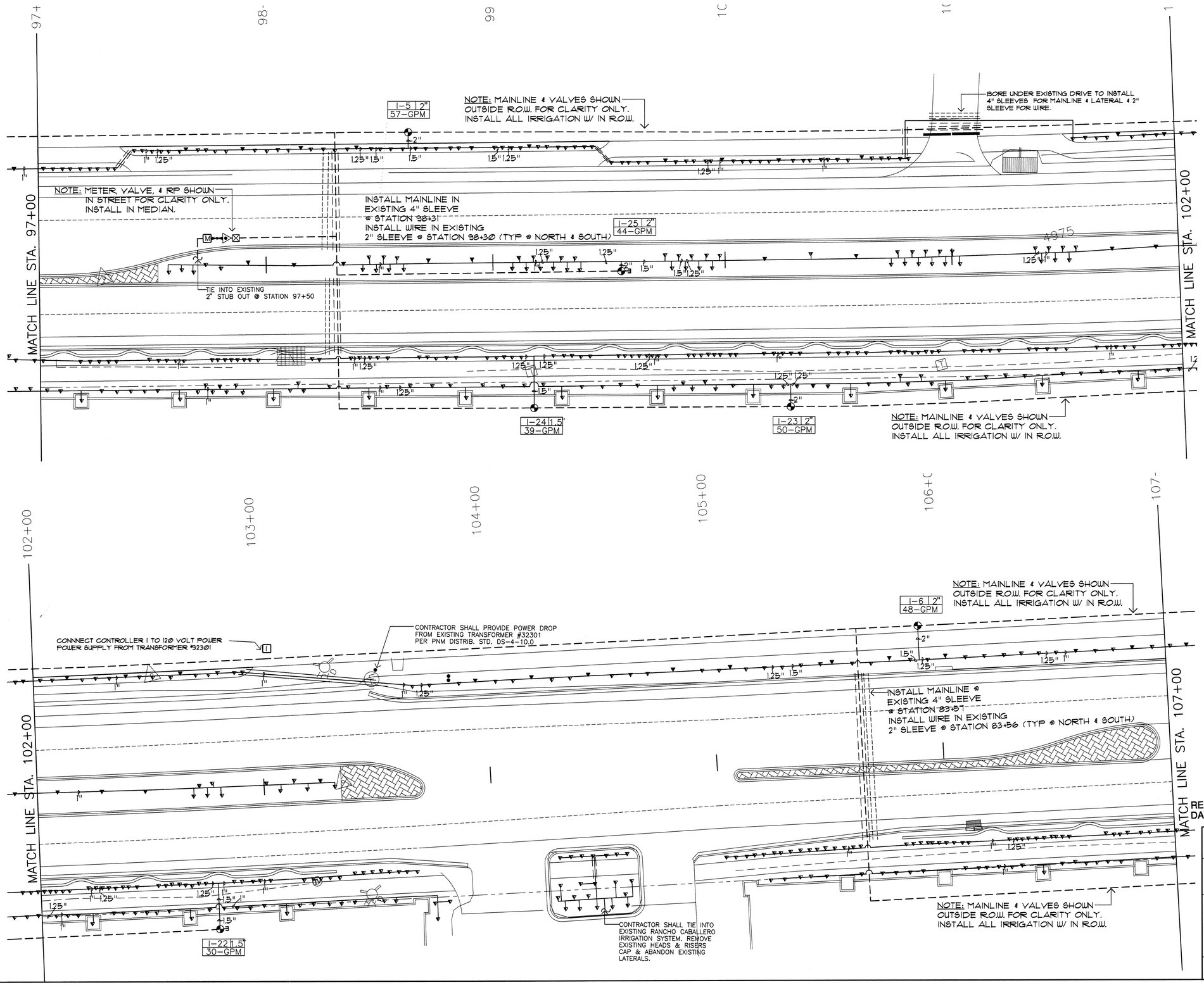
CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RECREATIONAL TRAILS/IRRIGATION PLAN

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 13 OF 38

D:\MNTOTRLS\MTRL-PLTO.DWG JUNE 30, 1998 12:17 PM PLOT: VIEW SHEET3A 1:1 RHT



RECORD DRAWING
DATE 1-10-00

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
DATE
AS-BUILTED BY
ACCEPTANCE BY
DATE
FIELD LOCATION BY
DATE
DRAWINGS CORRECTED BY
DATE

BENCH MARKS

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
ELIZABETH C. FISH
NO. 268
REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS / REVISIONS	BY
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY: RM	DATE: JULY 1998
		DRAWN BY: RM	DATE: JULY 1998
		CHECKED BY: ECR	DATE: JULY 1998

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Vota N.E.
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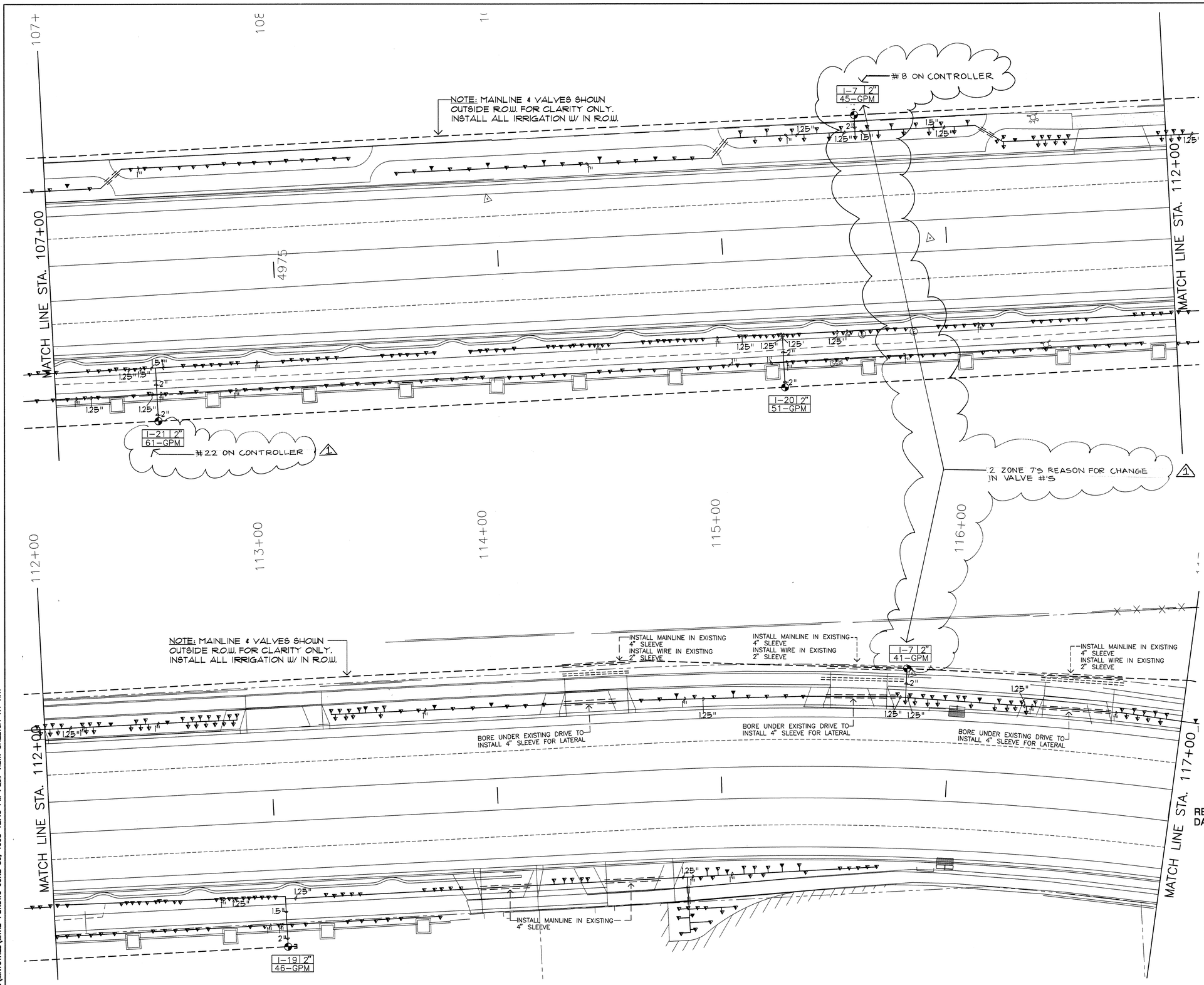
CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RECREATIONAL TRAILS/IRRIGATION PLANS

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 14 OF 38

D:\MNTOTRLS\MTRL-IRR.DWG JUNE 30, 1998 12: 38 PM PLOT: VIEW SHEET4A 1:1 R4T



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

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
ELIZABETH C. FISH
NO. 26
REGISTERED LANDSCAPE ARCHITECT

RECORD DRAWING INFO

NO.	DATE	REMARKS	BY
1-7-00		REVISIONS	MP

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: RM — DATE: JULY 1998
DRAWN BY: RM — DATE: JULY 1998
CHECKED BY: ECR — DATE: JULY 1998

RECORD DRAWING
DATE 1-10-00

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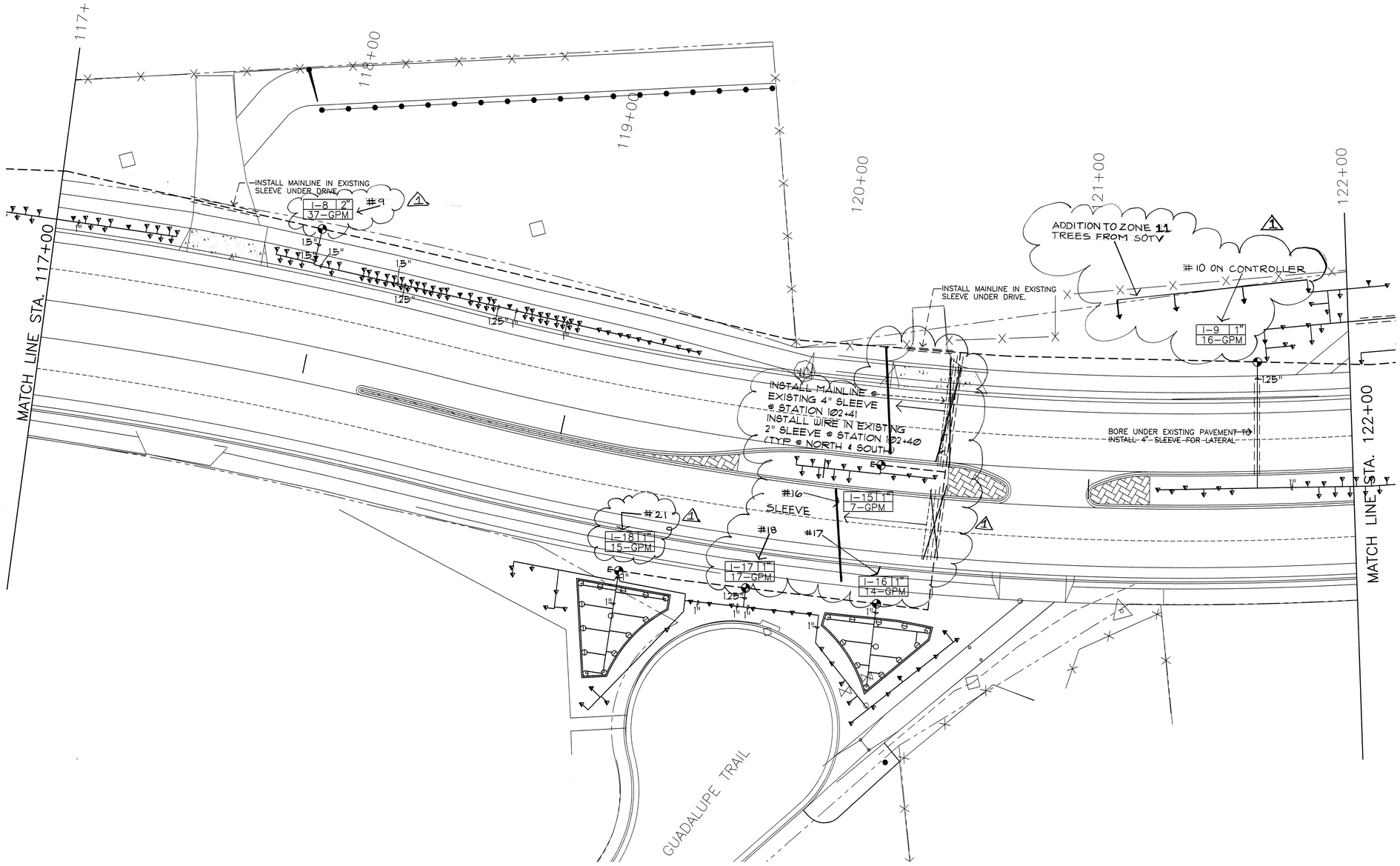
CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RECREATIONAL TRAILS/IRRIGATION PLAN

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 15 OF 38



RECORD DRAWING
DATE 1-10-00

WILSON & COMPANY
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Ph. (505)-254-4000

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

AS-BUILT INFORMATION
CONTRACTOR
WORK BY
STAKED BY DATE
INSPECTION'S
MADE BY DATE
FIELD
VERIFICATION BY DATE
MARKED
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

ENGINEER'S SEAL
STATE OF NEW MEXICO
ELIZABETH C. FISH
NO. 26
REGISTERED
LANDSCAPE ARCHITECT

NO.	DATE	REMARKS	BY
1	7-00	RECORD DRAWING INFO	MP

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: RM DATE: JULY 1998
DRAWN BY: RM DATE: JULY 1998
CHECKED BY: ECR DATE: JULY 1998

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RECREATIONAL TRAILS/IRRIGATION PLAN

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

City Project No.	MAP NO.	SHEET	OF
5900.91	F 13	16	38

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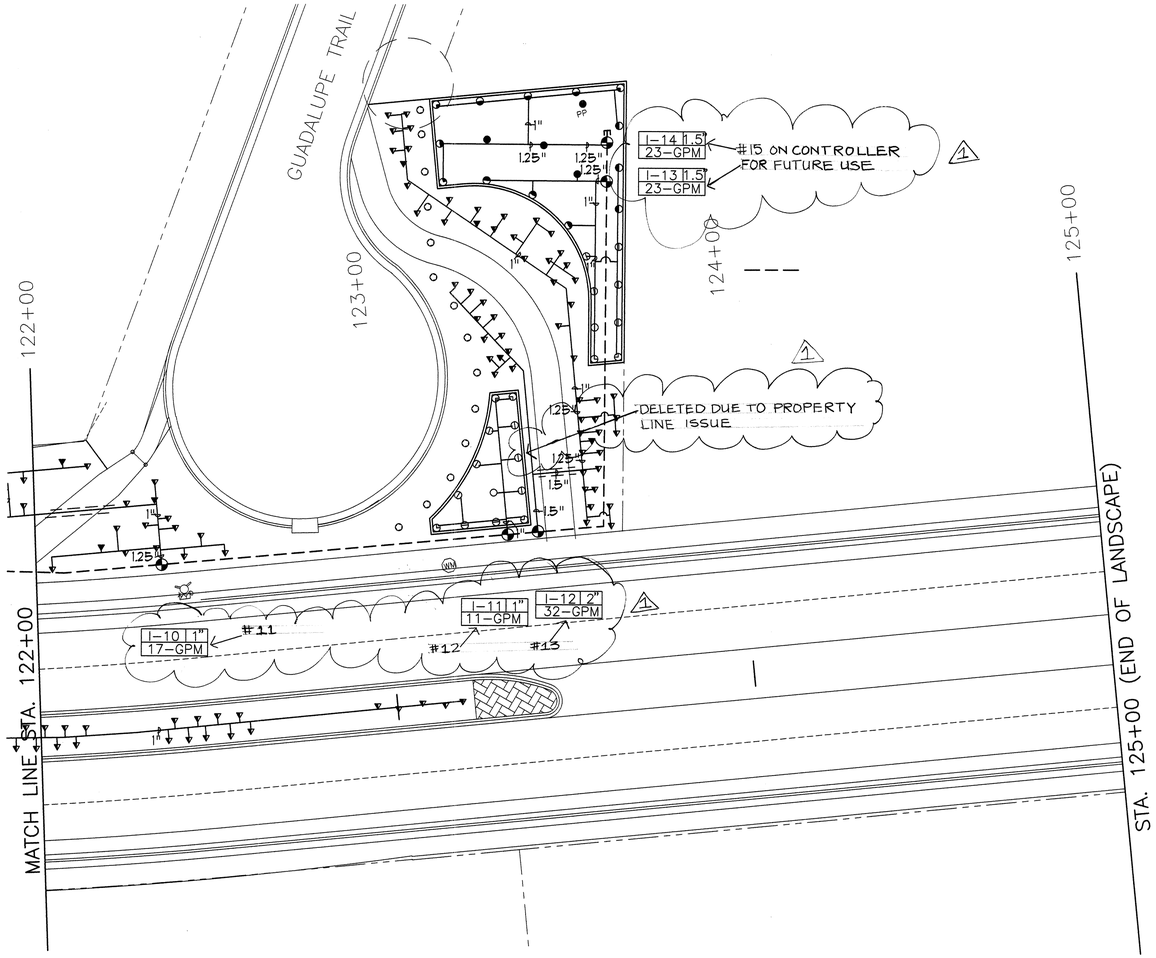

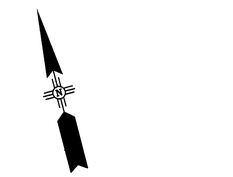

SCALE: 1" = 20'

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Albuquerque, N.M. 87108
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RECORD DRAWING
DATE 1-10-00

A
25

D:\MMTOTRLS\MTRL-IRR.DWG JUNE 30, 1998 1:04M PLOT: VIEW SHEET7A 1:1 RHT

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS

AS-BUILT INFORMATION
CONTRACTOR
NOTED BY DATE
STAKED BY
INSPECTOR'S NOTATIONS BY DATE
FIELD
VERIFICATION BY DATE
MARKUPS
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
STATE OF NEW MEXICO
ELIZABETH C. FISH
NO. 28
REGISTERED LANDSCAPE ARCHITECT

RECORD DRAWING INFO
MP
NO. | DATE | REMARKS | BY
1 | 1-7-00 | RECORD DRAWING

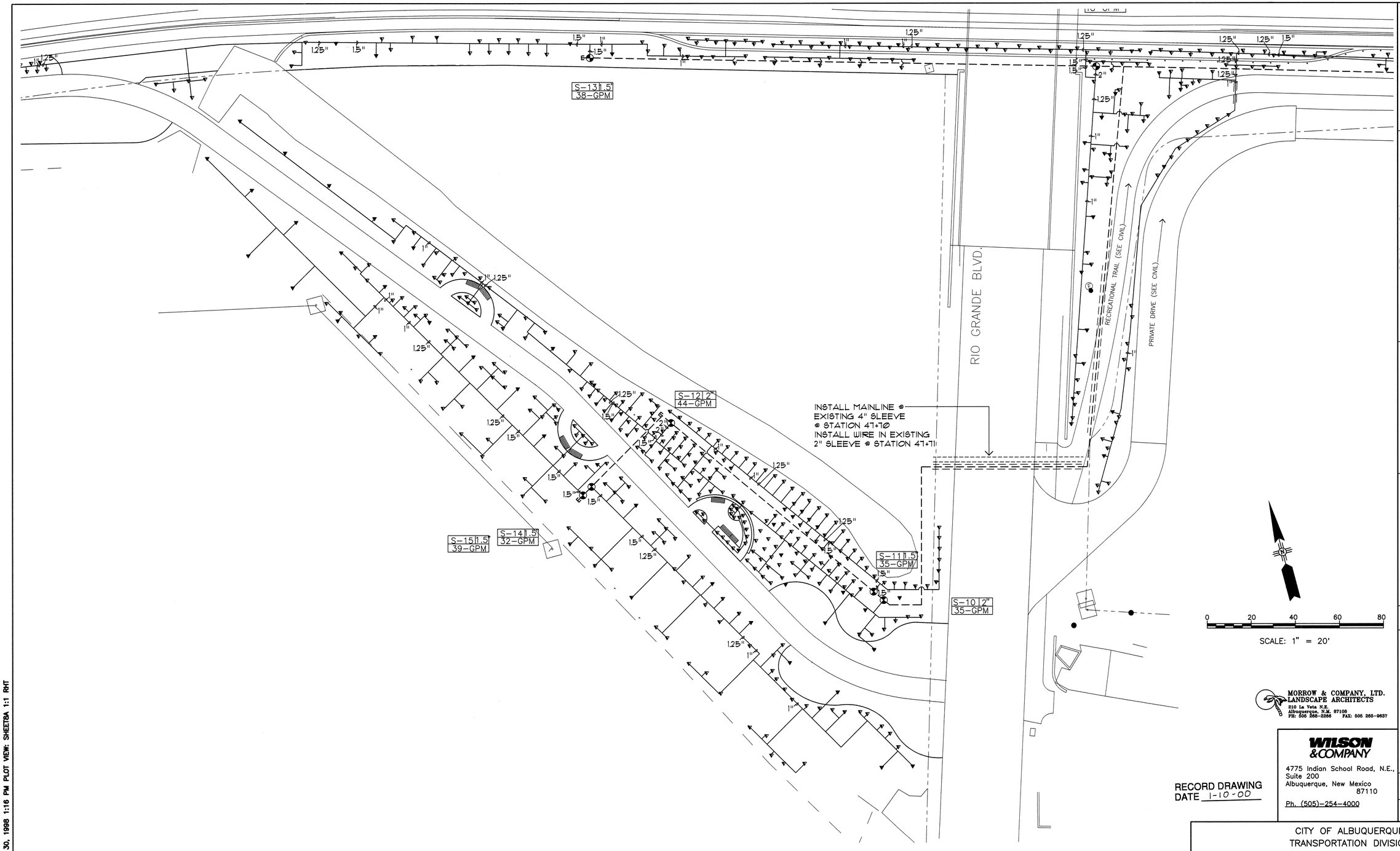
REVISIONS
WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: RM DATE: JULY 1998
DRAWN BY: RM DATE: JULY 1998
CHECKED BY: ECR DATE: JULY 1998

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RECREATIONAL TRAILS/IRRIGATION PLANS

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 17 OF 38



AS-BUILT INFORMATION

CONTRACTOR
WORK STAKED BY: DATE
ACCEPTANCE BY: DATE
FIELD VERIFICATIONS 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

STATE OF NEW MEXICO
ELIZABETH C. FISH
NO. 28
REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS	BY
		REVISIONS	

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 266-2266 FAX: 505 265-9637

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: RM DATE: JULY 1998
DRAWN BY: RM DATE: JULY 1998
CHECKED BY: ECR DATE: JULY 1998

WILSON & COMPANY
4775 Indian School Road, N.E.,
Suite 200
Albuquerque, New Mexico
87110
Ph. (505)-254-4000

RECORD DRAWING
DATE 1-10-00

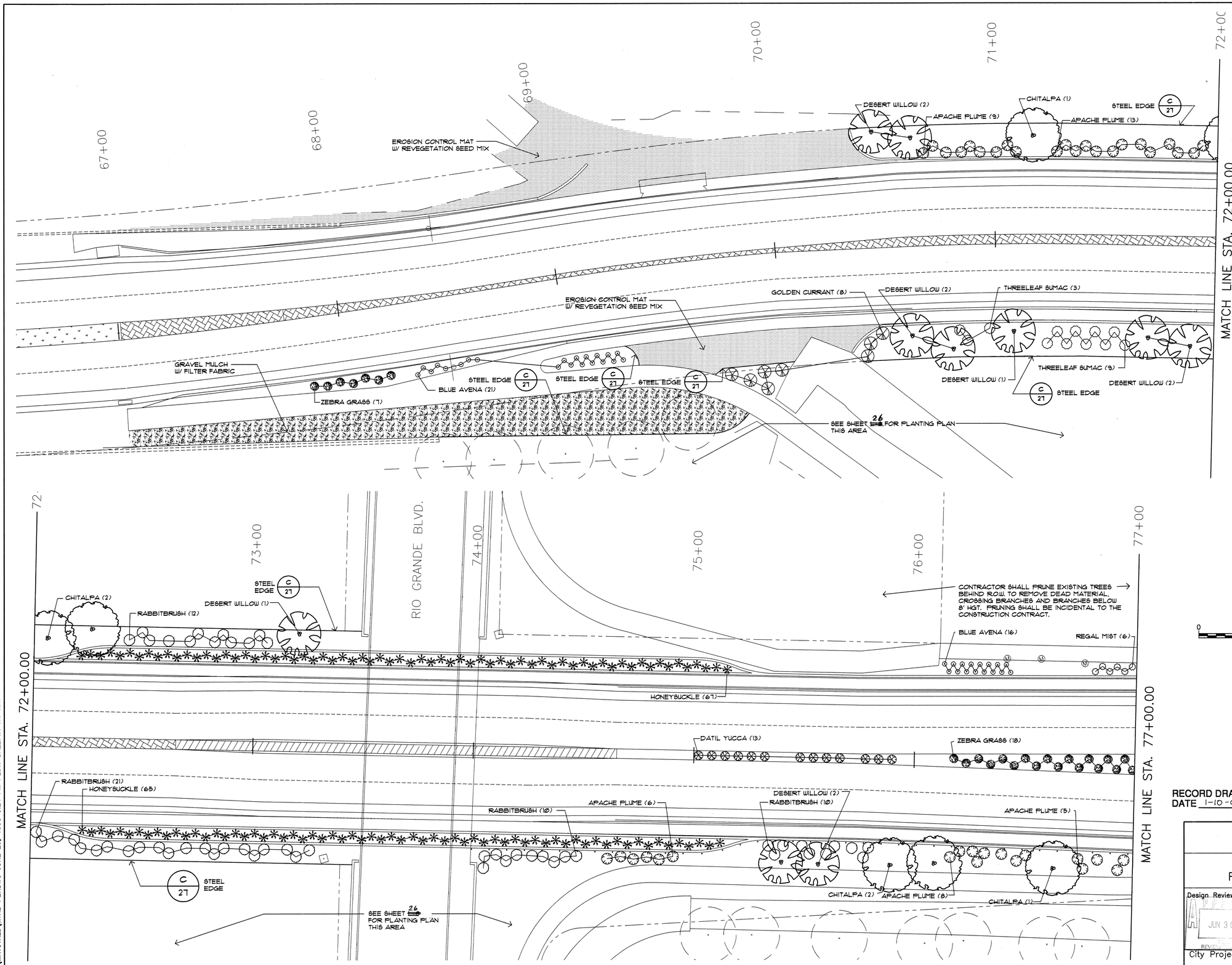
CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RECREATIONAL TRAILS/IRRIGATION PLAN

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 18 OF 38

D:\MNTOTRLS\MTRL-IRR.DWG JUNE 30, 1998 1:16 PM PLOT VIEW: SHEETBA 1:1 RHT



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AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
ACCEPTANCE INSPECTION 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
STATE OF NEW MEXICO
ELIZABETH C. FISH
NO. 2785
REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: ECR — DATE: JUNE 1998
DRAWN BY: RHT — DATE: JUNE 1998
CHECKED BY: ECR — DATE: JUNE 1998

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 268-2266 FAX: 505 265-9637

WILSON & COMPANY
4775 Indian School Road, N.E.,
Suite 200
Albuquerque, New Mexico
87110
Ph. (505)-254-4000

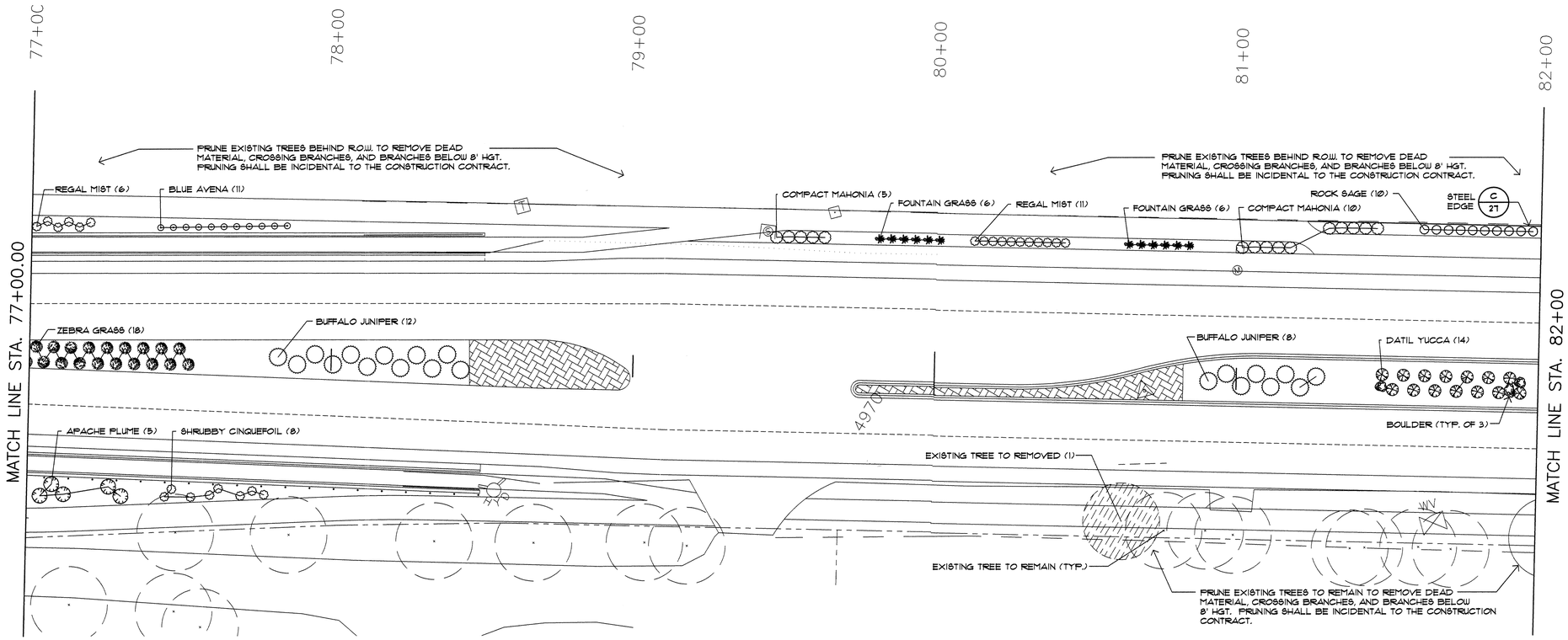
RECORD DRAWING
DATE 1-10-00

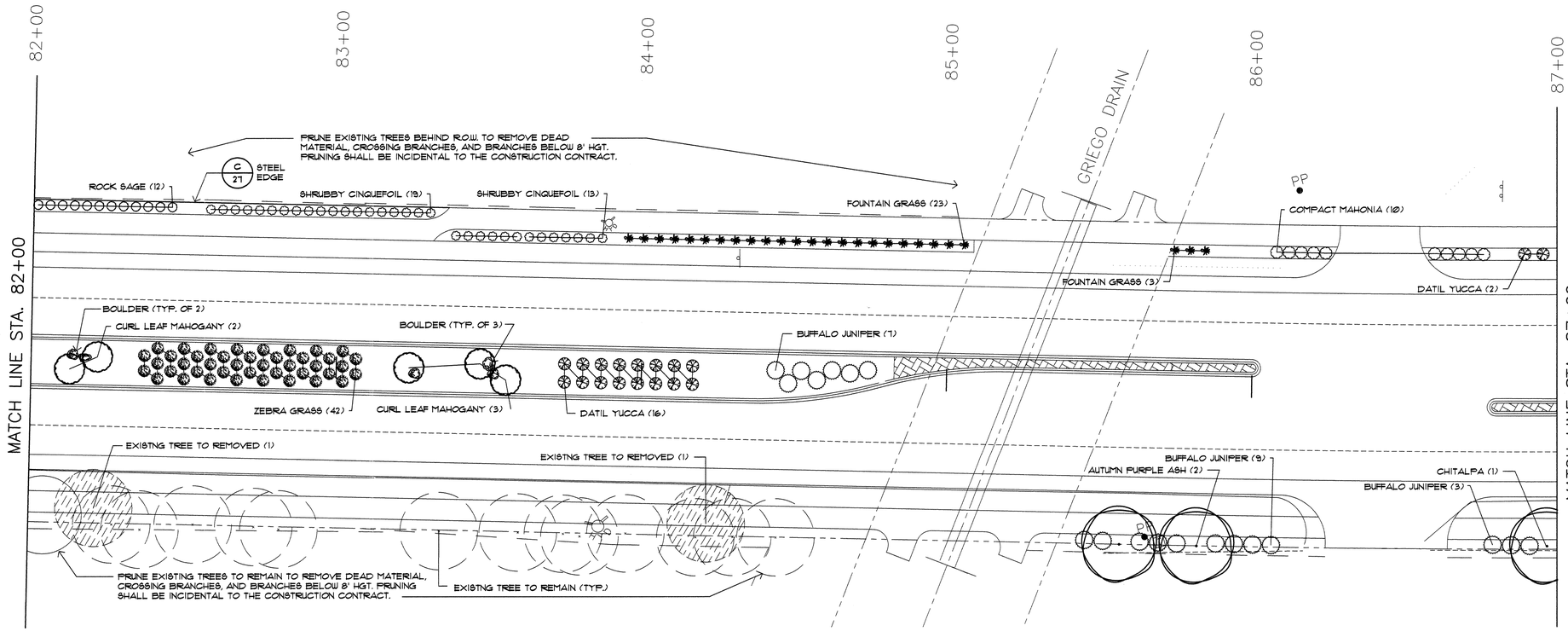
CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RECREATIONAL TRAILS/LANDSCAPE PLAN

Design Review Committee — APPROVED — JUN 30 1998 — REV.
City Engineer Approval — APPROVED — JUL 1 1998 — CITY ENGINEER
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No. 5900.91 | MAP NO. F 13 | SHEET 19 OF 38





0 20 40 60 80

SCALE: 1" = 20'

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
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WILSON & COMPANY
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Albuquerque, New Mexico 87110
Ph. (505)-254-4000

RECORD DRAWING
DATE 1-10-00

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
ACCEPTANCE INSPECTION BY — DATE
FIELD REVISIONS 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
STATE OF NEW MEXICO
ELIZABETH C. FISH
NO. 258
REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS
		REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: ECR — DATE: JUNE 1998
DRAWN BY: RHT — DATE: JUNE 1998
CHECKED BY: ECR — DATE: JUNE 1998

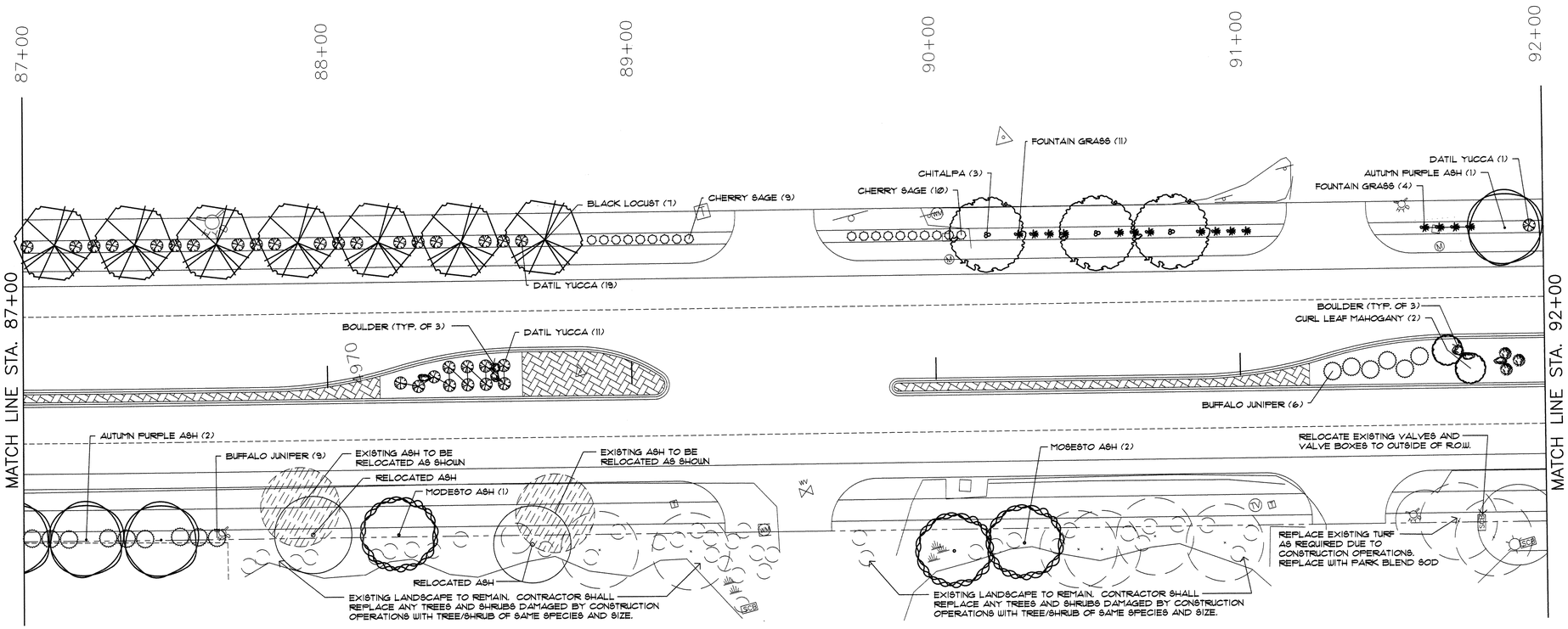
CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

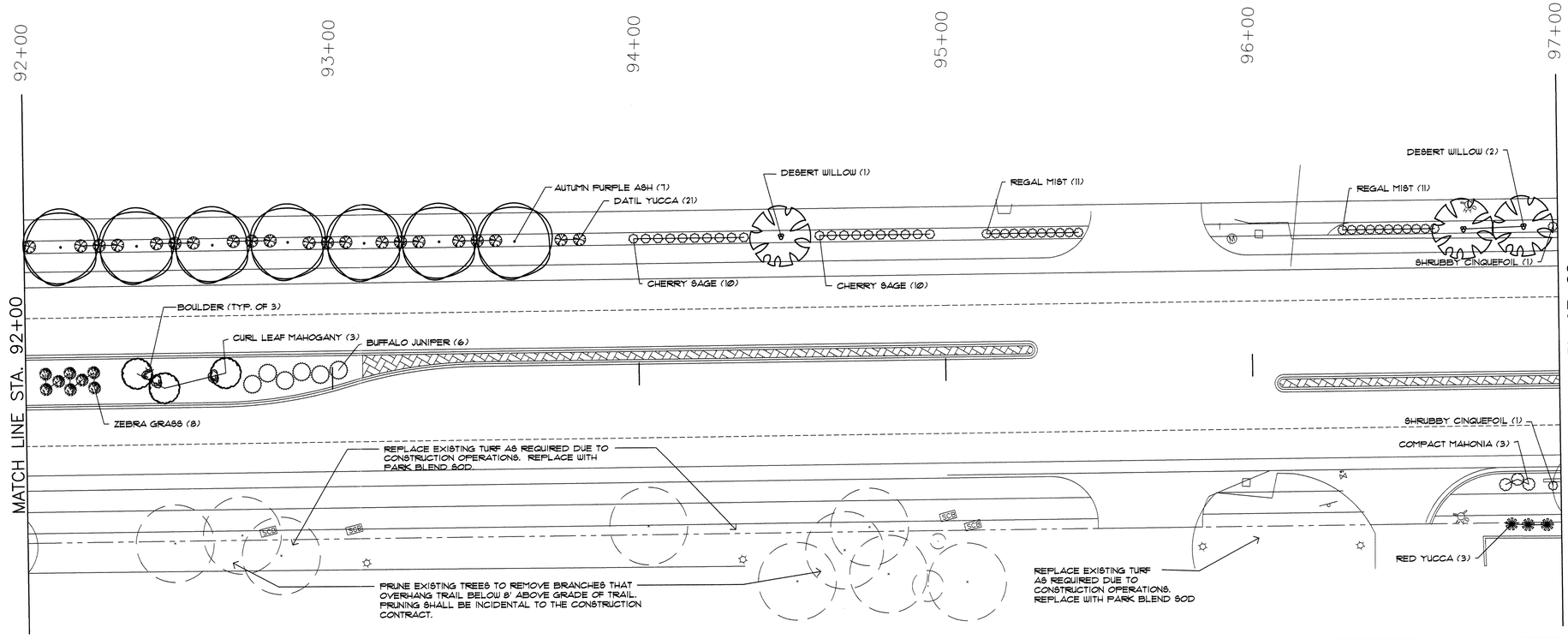
MONTANO ROAD
RECREATIONAL TRAILS/LANDSCAPE PLAN

Design Review Committee — APPROVED JUN 30 1998
City Engineer Approval — APPROVED JUL 1 1998 CITY ENGINEER
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No. 5900.91 | MAP NO. F 13 | SHEET 20 OF 38

D:\MNTOTRLS\MTRL-PLT.DWG JUNE 29, 1998 3:40 PM PLOT: VIEW SHEET2A 1:1 RHT





0 20 40 60 80

SCALE: 1" = 20'

RECORD DRAWING
DATE 1-10-00

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LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
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87110
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ENGINEER'S SEAL

STATE OF NEW MEXICO
ELIZABETH C. FISH
NO. 238
REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS	BY
		REVISIONS	
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY: ECR	DATE: JUNE 1998
		DRAWN BY: RHT	DATE: JUNE 1998
		CHECKED BY: ECR	DATE: JUNE 1998

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY — DATE
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

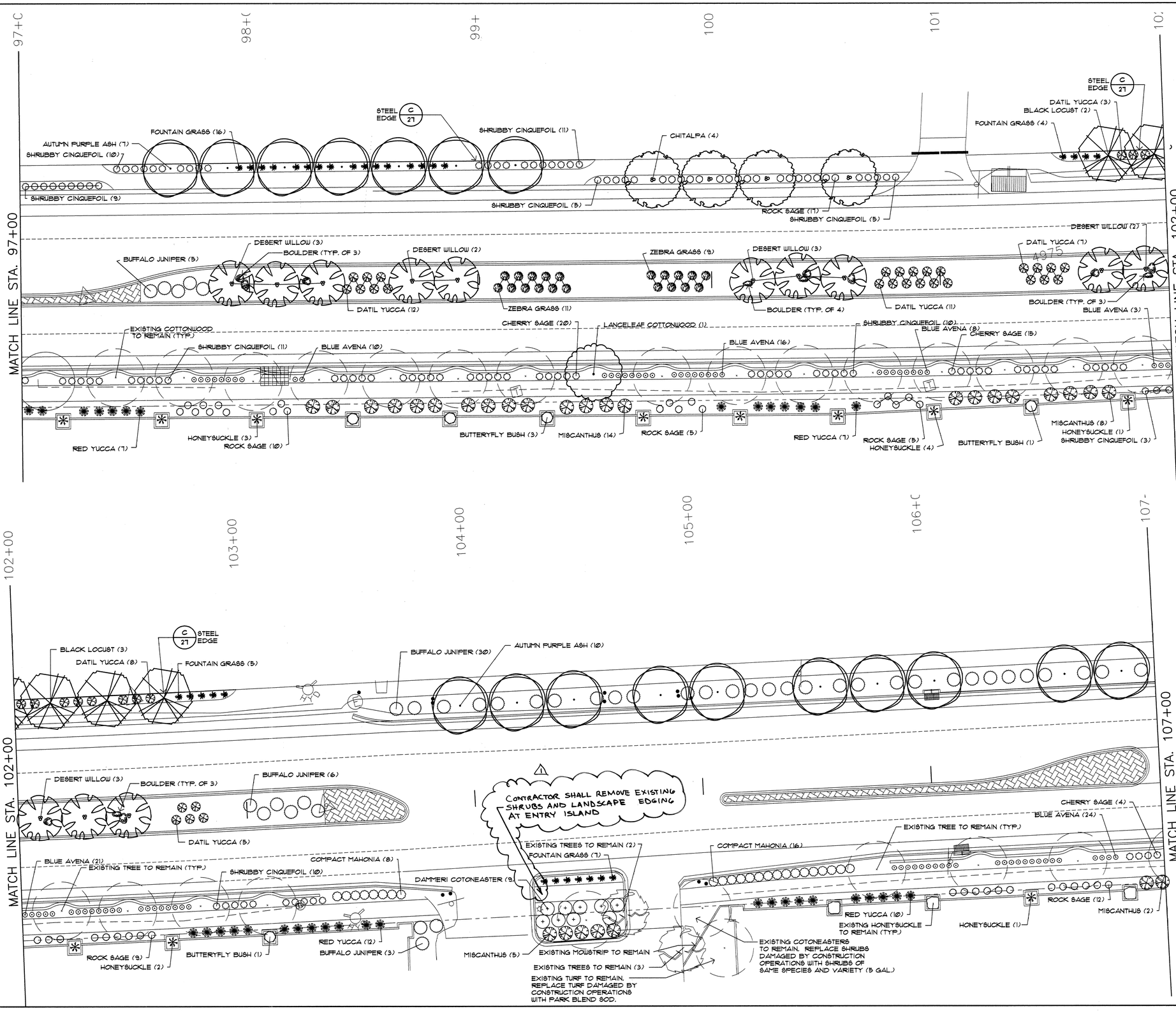
CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RECREATIONAL TRAILS/LANDSCAPE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUN 30 1998 REVISED	APPROVED JUL 1 1998 CITY ENGINEER			

City Project No. 5900.91 | MAP NO. F 13 | SHEET 21 OF 38

D:\MNTOTRLS\MTRL-PLTO.DWG JUNE 29, 1998 4:20 PM PLOT: VIEW SHEET3A 1:1 RHT



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0 20 40 60 80

SCALE: 1" = 20'

MORROW & COMPANY, LTD.
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Albuquerque, N.M. 87108
PH: 505 268-2266 FAX: 505 265-9537

RECORD DRAWING
DATE 1-10-00

WILSON & COMPANY
4775 Indian School Road, N.E.,
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Albuquerque, New Mexico
87110
Ph. (505)-254-4000

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE 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
STATE OF NEW MEXICO
ELIZABETH C. FISH
NO. 38
REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS	BY
1	11/98	REVISED PER ADDENDUM NO. 1	DBM

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: ECR DATE: JUNE 1998
DRAWN BY: RHT DATE: JUNE 1998
CHECKED BY: ECR DATE: JUNE 1998

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

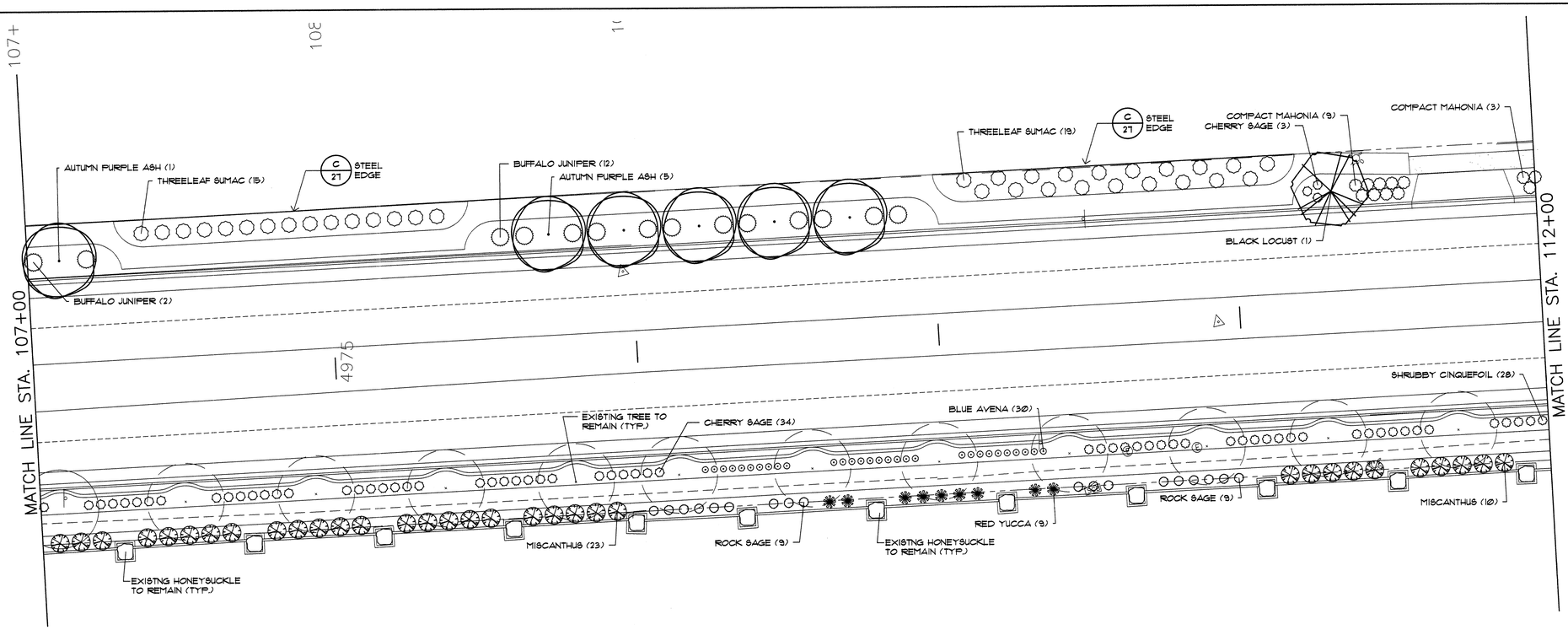
MONTANO ROAD
RECREATIONAL TRAILS/LANDSCAPE PLANS

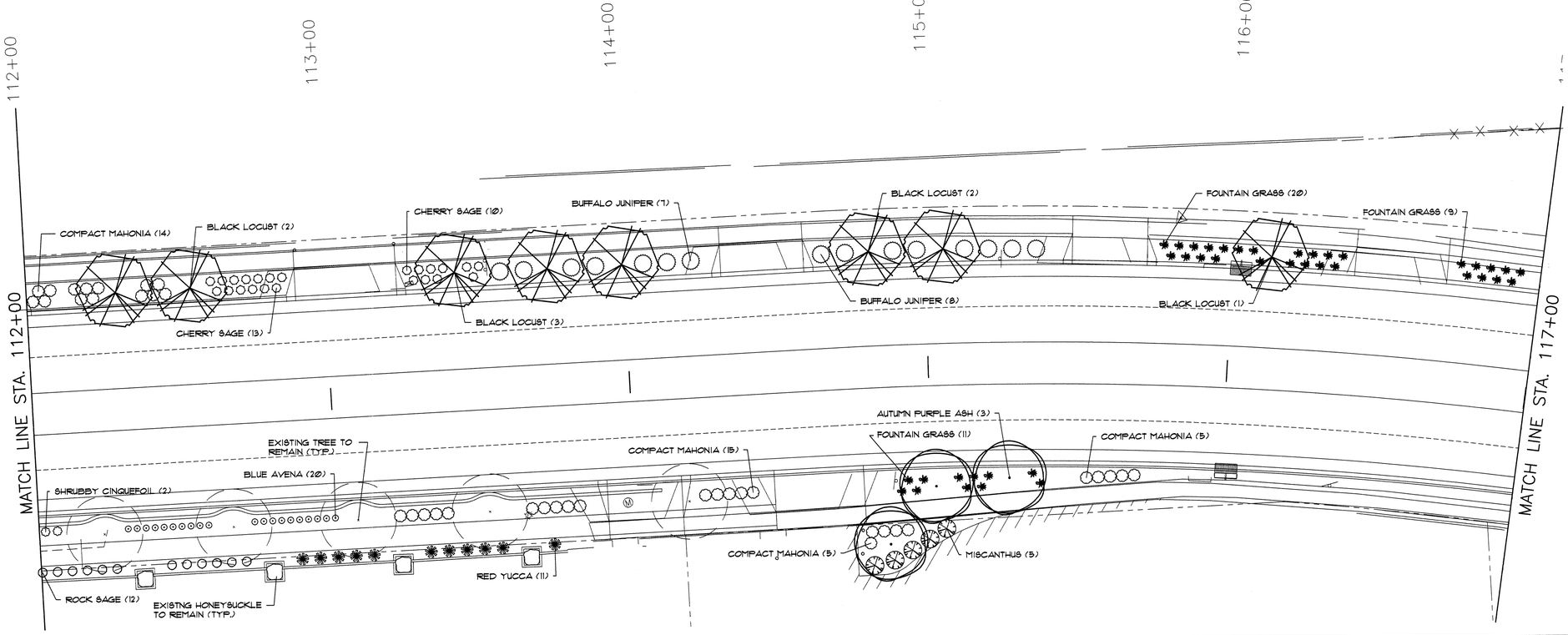
Design Review Committee
APPROVED
JUN 30 1998
REVIEWED

City Engineer Approval
APPROVED
JUL 1 1998
CITY ENGINEER

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 22 OF 38





112+00 113+00 114+00 115+00 116+00

0 20 40 60 80

SCALE: 1" = 20'

RECORD DRAWING
DATE 1-10-00

WILSON &COMPANY
4775 Indian School Road, N.E.,
Suite 200
Albuquerque, New Mexico
87110
Ph. (505)-254-4000

AS-BUILT INFORMATION
CONTRACTOR
WORK STARTED 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
STATE OF NEW MEXICO
ELIZABETH C. FISH
NO. 268
REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS	BY
		REVISIONS	
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY: ECR	DATE: JUNE 1998
		DRAWN BY: RHT	DATE: JUNE 1998
		CHECKED BY: ECR	DATE: JUNE 1998

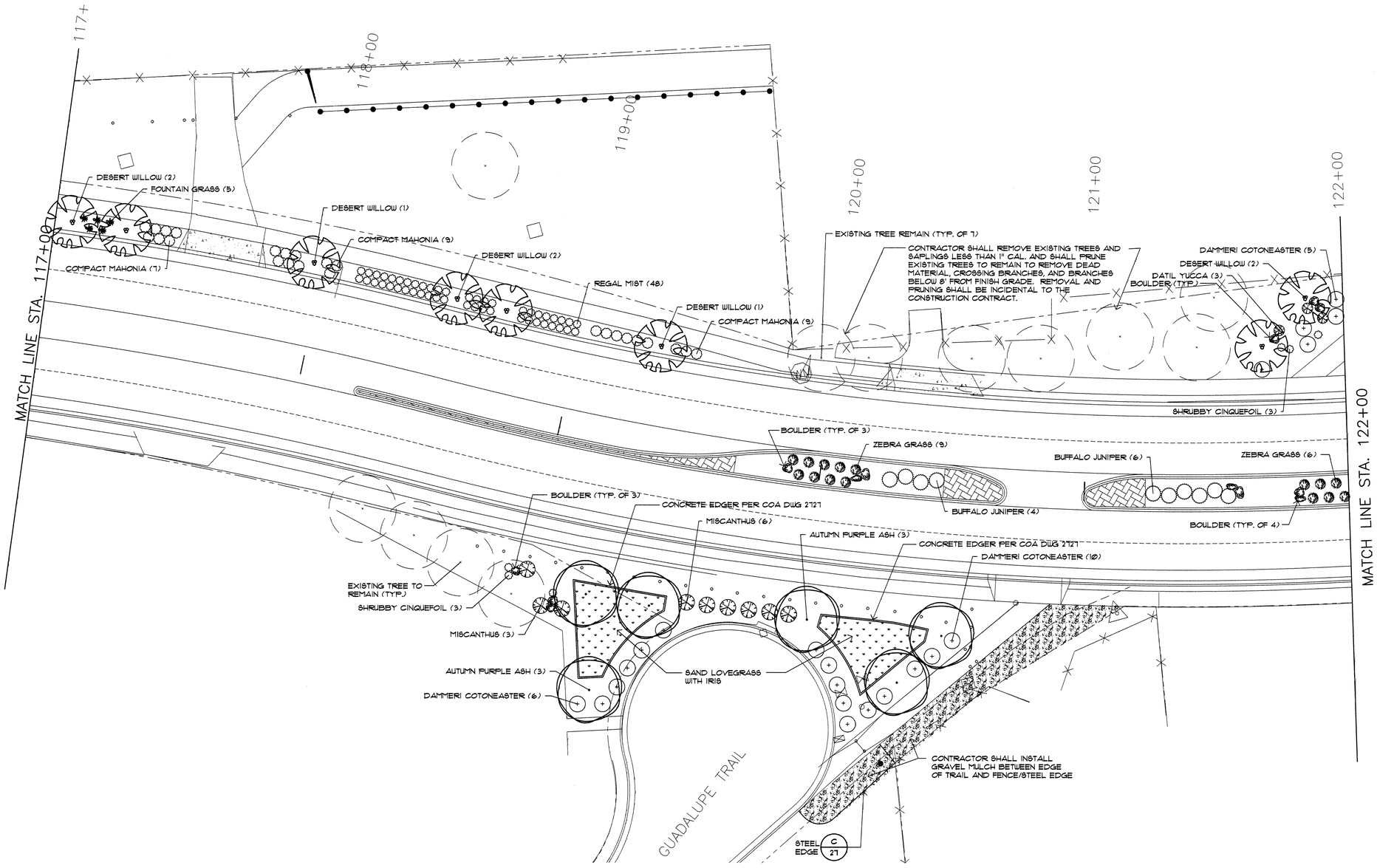
CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RECREATIONAL TRAILS/LANDSCAPE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUN 30 1998 DESIGN REVIEW	APPROVED JUL 1 1998 CITY ENGINEER			

City Project No. 5900.91 | MAP NO. F 13 | SHEET 23 OF 38

D:\MNTOTRLS\MTRL-PLT.DWG JUNE 29, 1998 4:26 PM PLOT VIEW: SHEET5A 1:1 RHT



0 20 40 60 80

SCALE: 1" = 20'

RECORD DRAWING
DATE 1-10-00

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4775 Indian School Road, N.E.,
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Albuquerque, New Mexico
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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S NOTICE(S) BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
STATE OF NEW MEXICO
NO. 392
ELIZABETH C. FISH
REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: ECR — DATE: JUNE 1998
DRAWN BY: RHT — DATE: JUNE 1998
CHECKED BY: ECR — DATE: JUNE 1998

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RECREATIONAL TRAILS/LANDSCAPE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
JUN 30 1998	APPROVED JUL 1 1998 CITY ENGINEER			

City Project No. 5900.91 | MAP NO. F 13 | SHEET 24 OF 38

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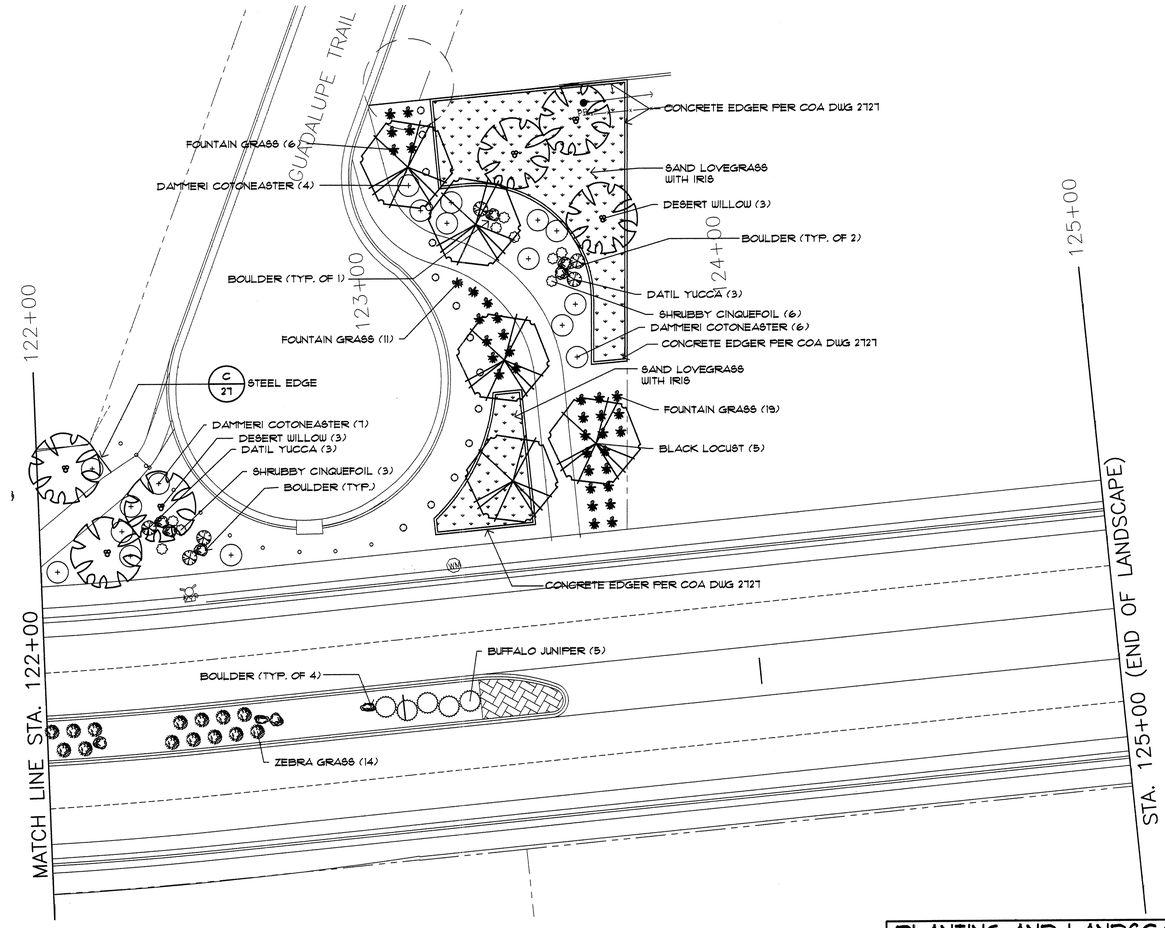


PLANT LIST

COMMON NAME	BOTANICAL NAME	QUANTITY	SIZE INSTALLED	SIZE MATURE	REMARKS
TREES					
Autumn Purple Ash	Fraxinus americana 'Autumn Purple'	46	2" cal., 14'-16' hgt.	40' ht., 25' spd.	30" box
Black Locust	Robinia pseudoacacia	40	2" cal., 12'-14' hgt.	40' hgt., 25' spd.	30" box
Chitalpa	Chitalpa tashkentensis	14	2" cal., 12'-14' hgt.	30' ht., 20' spd.	15 gallon
Desert Willow	Chilopsis linearis	48	2" cal., 10'-12' hgt.	25' ht., 20' spd.	24" box
Lanceleaf Cottonwood	Populus acuminata	33	2" cal., 14'-16' hgt.	60' ht., 30' spd.	30" box
Modesto Ash	Fraxinus velutina 'Modesto'	3	2" cal., 14'-16' hgt.	40' ht., 25' spd.	30" box
SMALL ACCENT TREE/ LARGE SHRUB					
Curl Leaf Mahogany	Cercocarpus ledifolius	~~10~~ 11	8'-10' hgt.	12' hgt., 8' spd.	15 gallon
New Mexico Olive	Forestiera neomexicana		8'-10' hgt.	15' hgt., 10' spd.	15 gallon
SHRUBS					
Apache Plume	Fallugia paradoxa	73	Min. 18" hgt.	5' hgt. & spd.	5 gallon
Austrian Copper Rose	Rosa foetida bicolor	52	2'-3' hgt.	5' hgt., 8' spd.	5 gallon
Blue Avena	Helictotrichon sempervirens	188	Min. 6" hgt.	24" hgt. & spd.	5 gallon
Buffalo Juniper	Juniperus sabina 'Buffalo'	148	Min. 12" spd.	10" hgt. & 6' spd.	5 gallon
Butterfly Bush	Buddleia davidii	21	Min. 24" hgt.	6' hgt., 5' spd.	5 gallon
Cherry Sage	Salvia greggii	198	8"-12" ht. & spd.	3' hgt. & spd.	5 gallon
Compact Mahonia	Mahonia aquifolium 'Compacta'	128	Min. 8" hgt.	2' hgt. & spd.	5 gallon
Dammeri Cotoneaster	Cotoneaster dammeri	47	Min. 12" spd.	6" hgt., 8' spd.	5 gallon
Datil Yucca	Yucca baccata	150	Min. 12" hgt.	4' hgt. & spd.	5 gallon
Fountain Grass	Pennisetum alopecuroides	166	Min. 12" hgt.	3' hgt. & spd.	5 gallon
Golden Currant	Ribes aureum	35	Min. 12" ht.	6' hgt. and spd.	5 gallon
Honeysuckle	Lonicera sempervirens	252	Min. 12" runner	4' hgt. & spd.	5 gallon
Miscanthus	Miscanthus sinensis 'Gracillimus'	76	Min. 12" hgt.	6' hgt. & spd.	5 gallon
Rabbitbrush	Chrysothamnus nauseosus	109	8"-12" spd.	5' hgt. & spd.	5 gallon
Regal Mist	Muhlenbergia 'Regal Mist'	98	Min. 12" hgt.	3' hgt., 3' spd.	5 gallon
Rock Sage	Salvia pinguefolia	118	Min. 18" hgt.	5' hgt., 3' spd.	5 gallon
Russian Sage	Perovskia atriplicifolia	19	Min. 12" hgt.	4' hgt. & 3' spd.	5 gallon
Shrubby Cinquefoil	Potentilla fruticosa	198	Min. 12" hgt.	3' hgt. & spd.	5 gallon
Three Leaf Sumac	Rhus trilobata	46	Min. 18" hgt.	5' hgt. & spd.	5 gallon
Zebra Grass	Miscanthus sinensis 'Zebrinus'	145	Min. 18" hgt.	4' hgt. & spd.	5 gallon
RED YUCCA	HESPERALOE PARVIFLORA	59	MIN. 12" HGT.	3' HGT. & 4' SPD.	5 GALLON (2)
REVEGETATION SEED MIX					
Curtis & Curtis 'Pioneer's Pride' or equal	----	5725 s.f.	----	----	Seed @ 1 lb. PLS/ 1000 SF
NATIVE GRASS & BULBS					
Sand Lovegrass	Eragrostis tricodes	6540 s.f.	----	----	Seed @ 1 oz. PLS/500 SF
Iris-Tall Bearded	Iris spp.				Bulbs @ 2' o.c.

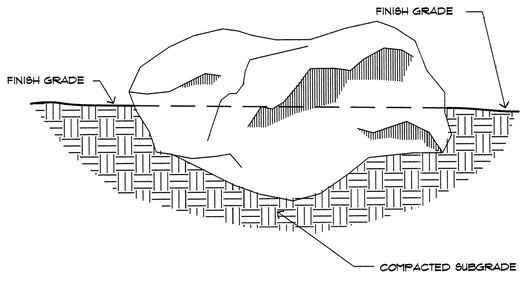
PLANTING AND LANDSCAPE NOTES

1. IN CASE OF DISCREPANCY IN PLANT QUANTITIES SHOWN ON THE PLANT LIST AND THOSE SHOWN ON THE PLANTING PLAN, THE QUANTITIES SHOWN ON THE PLAN SHALL GOVERN. 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.
2. A 4" DEPTH OF 3/4" 'SANTA FE BROWN' CRUSHED GRAVEL MULCH WITH FILTER FABRIC UNDER SHALL BE INSTALLED THROUGHOUT PLANTING BEDS AND WHERE INDICATED ON PLAN.
3. FILTER FABRIC SHALL BE MIN. 4 OZ. WOVEN NEEDLE PUNCHED POLYPROPLYENE (DEWITT OR EQUIVALENT). OVERLAP ENDS 3", TURN DOWN EDGES 6".
4. A 36" DIAMETER OF 2" DEPTH BARK MULCH SHALL BE PROVIDED AT BASE OF ALL TREES IN NATIVE GRASS AREAS.
5. THE CONTRACTOR SHALL PRUNE LOWER BRANCHES OF DECIDUOUS TREES TO 8 FEET ABOVE FINISH GRADE.
6. IF THERE IS A DISCREPANCY IN THE FIELD OR NURSERY PLANTS BETWEEN THE CONTAINER SIZE CALLED OUT UNDER "REMARKS" AND HEIGHT & SPREAD CALLED OUT UNDER "SIZE", THE SPECIFIED PLANT MUST MEET HEIGHT & SPREAD REQUIREMENTS SPECIFIED UNDER "SIZE", EVEN IF THE LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS,AT NO ADDITIONAL COST TO THE OWNER.
7. ~~TREES AND SHRUBS SHALL BE PLANTED PER COA DWGS 2713 AND 2714. NATIVE GRASS SHALL BE PLANTED PER COA SPEC SECTION 1011.~~ (2)
   REVEGETATION SEED MIX SHALL BE PLANTED PER COA SPECIFICATION SECTION 1012. (1)
8. BOULDERS SHALL BE 27 CF TO 36 CF OF MOSS ROCK, BURIED 1/3 TO 1/2 OF MASS PER DETAIL A/L25.
9. BLACK LOCUSTS ARE AVAILABLE FROM SANTA ANA NATIVE PLANTS (869-1323).
10. EROSION CONTROL MAT SHALL BE LANDLOK TRM 450 POLYOLEFIN FIBER MATRIX, AVAILABLE FROM CONTECH (505-842-8282). AFTER SUBGRADE PREPARATION, INSTALL PER MANUFACTURERS' SPECIFICATIONS OVER AREAS NOTED ON PLANS TO BE REVEGETATED. EXTEND MAT 3' OVER CREST OF SLOPE. ANCHOR TOP EDGE IN A 12" X 6" TRENCH, ANCHORED WITH U-SHAPED WIRE STAPLES @ 12" O.C. BACKFILL AND COMPACT TRENCH. UNROLL DOWN SLOPE WITH SMALL NETTING ON BOTTOM AND LARGE NETTING ON TOP. OVERLAP ADJACENT ROLLS 3" AND ANCHOR OVERLAPS WITH U-SHAPED STAPLES @ 18" O.C. LAY MAT LOOSELY ENOUGH TO MAINTAIN DIRECT CONTACT WITH SOIL. ANCHOR WITH U-SHAPED STAPLES AS FOLLOWS:

SLOPE	ANCHORS
1:1	2.5/SY
2:1	2/SY
3:1	1.5/SY
LESS THAN 3:1	1/SY

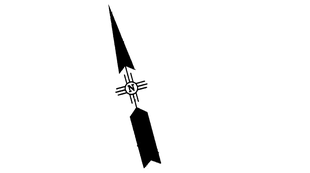
    SEED OVER MAT W/ SPECIFIED MIX. AFTER SEEDING, SPREAD AND LIGHTLY RAKE 3/4" OF FINE TOPSOIL INTO THE MAT, COMPLETELY FILLING THE VOIDS (RAKE WITH BACKSIDE OF RAKE OR FLAT TOOL.) SMOOTH SOIL FILL TO EXPOSE TOP NETTING OF MAT.
11. TREES SHALL BE TRANSPLANTED USING A VERMEER (OR EQUAL) TREE SPADE OF MINIMUM 80 INCHES. CONTRACTOR SHALL DIG A MINIMUM OF 8" OF ROOT BALL PER 1" OF TRUNK CALIPER. CALIPER MEASUREMENT SHALL BE MADE 6" ABOVE FINISH GRADE. PRIOR TO DIGGING THE TREE TO BE TRANSPLANTED, THE CONTRACTOR SHALL PREPARE THE PLANTING HOLE TO WHICH THE TREE IS TO BE RELOCATED. THE PLANTING HOLE SHALL BE A MINIMUM 24" WIDER THAN AND THE SAME DEPTH AS THE ROOT BALL OF THE TREE TO BE TRANSPLANTED. THE PLANTING HOLE SHALL HAVE VERTICAL SIDES. THE ROOT BALL OF THE TRANSPLANTED TREE SHALL BE PLACED ON FIRM GROUND IN THE PLANTING HOLE, NOT ON BACKFILL. THE TREE SHALL BE PLACED IN AN UPRIGHT POSITION WITH ITS ROOT CROWN NEITHER ABOVE NOR BELOW ORIGINAL GROUND LEVEL WITH THE TREE IN THE SAME ORIENTATION IT HAD IN THE ORIGINAL SITE. LOWER THE TREE INTO THE PLANTING HOLE GENTLY. DO NOT DISTURB THE ROOT BALL OR ALLOW HAIR ROOTS TO DRY. WATER SHALL BE ADDED TO THE PLANTING HOLE DURING INSTALLATION, AND BACKFILL MATERIAL SHALL BE GENTLY TAMPED AND FIRMED INTO PLACE. BACKFILL MATERIAL SHALL BE NATIVE SOIL WITH A MINIMUM OF 1/3 BY BULK DECOMPOSED BARK MULCH OR EQUAL HUMUS PRODUCING MATERIAL. THE TRANSPLANTED TREES SHALL IMMEDIATELY BE WATERED THOROUGHLY WITH 2"-3" OF WATER (1-1/4 TO 3-3/4 GALLONS OF WATER PER SQUARE FOOT OF WOIL SURFACE.) THE WATER SHALL BE APPLIED SLOWLY ENOUGH TO ENSURE GOOD PENETRAION WITH MINIMUM RUNOFF. THE TREE SHALL BE WATERED AS SPECIFIED ABOVE 1 TO 2 TIMES PER WEEK OR AS NEEDED DEPENDING ON NATURAL RAINFALL FOR A MINIMUM OF THREE MONTHS. A DILUTED SOLUTION OF ROOT STIMULATOR SHALL BE APPLIED FOR THE FIRST MONTH OF WATERING. FOLLOW MANUFACTURER'S RECOMMENDATION WHEN MIXING AND APPLYING ROOT STIMULANT. RELOCATED PLANTS SHALL BE WARRANTED IN ACCORDANCE WITH THE SPECIFICATIONS. REPLACEMENT OF PLANT MATERIAL THAT IS NOT ALIVE AND IN SATISFACTIORY GROWTH AT THE END TO THE WARRANTY PERIOD SHALL BE REPLACED WITH TREE OF SAME SPECIES, VARIETY, AND SIZE.
12. BENCHES SHALL BE WABASH VALLEY CD 8212 6' BENCH WITH BACK MOUNTED IN CONCRETE FOOTINGS PER MANUFACTURER'S SPECIFICATIONS. COLOR: TEEL.

7. TREES AND SHRUBS SHALL BE PLANTED PER COA DWGS. 2714 AND 2717. NATIVE GRASS SHALL BE PLANTED PER COA SPEC. SECTION 1011. TREES IN NATIVE GRASS SHALL BE PLANTED PER COA DWG. 2713. (2)



NOTE:
1/3 TO 1/2 OF ROCK SHALL BE BURIED.

A/25 LANDSCAPE BOULDER
MCD-0091 1107.95 N.T.S.



SCALE: 1" = 20'

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
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RECORD DRAWING
DATE 1-10-00

AS-BUILT INFORMATION
CONTRACTOR
WORK STARTED BY / DATE
WORK ACCEPTANCE BY / DATE
PUNCH LIST BY / DATE
DRAWINGS CORRECTED BY / DATE
MICRO-FILM INFORMATION
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NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
ELIZABETH C. FISH
NO. 26
REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS	BY
1	1/10/00	REVISED PER ADDENDUM NO. 1	DDM
2	1/10/00	REVISED PER ADDENDUM NO. 2	DDM

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: ECR DATE: JUNE 1998
DRAWN BY: RHT DATE: JUNE 1998
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CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RECREATIONAL TRAILS/LANDSCAPE PLANS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUN 30 1998 REVISED	APPROVED JUL 1 1998 CITY ENGINEER			

City Project No. 5900.91 | MAP NO. F 13 | SHEET 25 OF 38

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LANCELEAF COTTONWOOD (9)
APACHE PLUME (3)
AUSTRIAN COPPER ROSE (6)
BENCH (TYP. OF 2)
SHRUBBY CINQUEFOIL (11)
AUSTRIAN COPPER ROSE (3)
AUSTRIAN COPPER ROSE (3)
HONEYSUCKLE (59)
STEEL EDGE C 27
AUSTRIAN COPPER ROSE (31)
RUSSIAN SAGE (11)
EXISTING TREE TO REMAIN (TYP.)
APACHE PLUME (5)
APACHE PLUME (3)
SHRUBBY CINQUEFOIL (5)
BENCH (TYP. OF 2)
BUTTERFLY BUSH (5)
APACHE PLUME (5)
APACHE PLUME (5)
AUSTRIAN COPPER ROSE (9)
CONTRACTOR SHALL PRUNE EXISTING TREES TO REMAIN TO REMOVE DEAD MATERIAL, CROSSING BRANCHES, AND BRANCHES BELOW 8' HGT'.
BENCH (TYP. OF 3)
BLUE AVENA (9)
DESERT WILLOW (3)
BUTTERFLY BUSH (7)
ROCK SAGE (8)
HONEYSUCKLE (44)
RECREATIONAL TRAIL
RABBITBRUSH (39)
NEW MEXICO OLIVE (5)
GOLDEN CURRANT (12)
SAND LOVEGRASS W/ IRIS
LANCELEAF COTTONWOOD (3)
SAND LOVEGRASS W/ IRIS
GOLDEN CURRANT (15)
NEW MEXICO OLIVE (3)
EMERGENCY VECHICULAR ACCESS
STEEL EDGE C 27
RIO GRANDE BLVD.
BOULDER (TYP.)
SHRUBBY CINQUEFOIL (5)
RUSSIAN SAGE (3)
NEW MEXICO OLIVE (2)
DATIL YUCCA (1)
RABBITBRUSH (9)
SHRUBBY CINQUEFOIL (2)
DATIL YUCCA (2)
SHRUBBY CINQUEFOIL (5)
RABBITBRUSH (5)
RECREATIONAL TRAIL (SEE CIVIL)
PRIVATE DRIVE (SEE CIVIL)
RUSSIAN SAGE (2)
RABBITBRUSH (3)
APACHE PLUME (6)
SHRUBBY CINQUEFOIL (5)
DESERT WILLOW (2)
SHRUBBY CINQUEFOIL (2)
RUSSIAN SAGE (3)
DESERT WILLOW (1)
SHRUBBY CINQUEFOIL (3)
N
0 20 40 60 80
SCALE: 1" = 20'

RECORD DRAWING
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BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
ELIZABETH C. FISH
NO. 38
REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS	BY
1	1/10/00	REVISED PER ADDENDUM NO. 1	bdm

REVISIONS
WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: ECR DATE: JUNE 1998
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CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RECREATIONAL TRAILS/LANDSCAPE PLAN

Design Review Committee: APPROVED JUN 30 1998 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 1 1998 CITY ENGINEER
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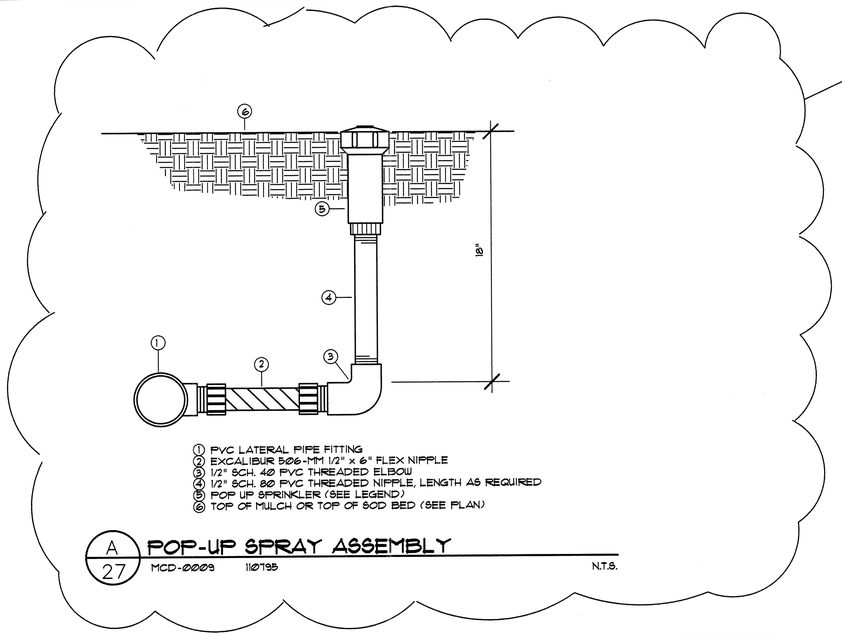
City Project No. 5900.91 | MAP NO. F 13 | SHEET 26 OF 38

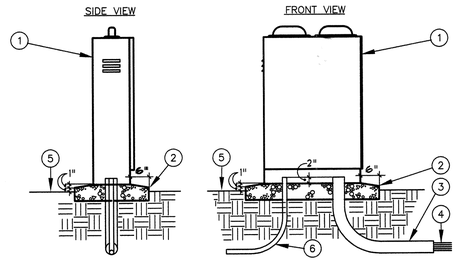
D:\MNTOTRLS\MTRL-PLT.DWG JUNE 30, 1998 9:28M PLOT VIEW: SHEET8A 1:1 RHT



1. PVC LATERAL PIPE FITTING
2. EXCALIBUR B06-MM 1/2" x 6" FLEX NIPPLE
3. 1/2" SCH. 40 PVC THREADED ELBOW
4. 1/2" SCH. 80 PVC THREADED NIPPLE, LENGTH AS REQUIRED
5. POP UP SPRINKLER (SEE LEGEND)
6. TOP OF MULCH OR TOP OF SOD BED (SEE PLAN)

A / 27 POP-UP SPRAY ASSEMBLY

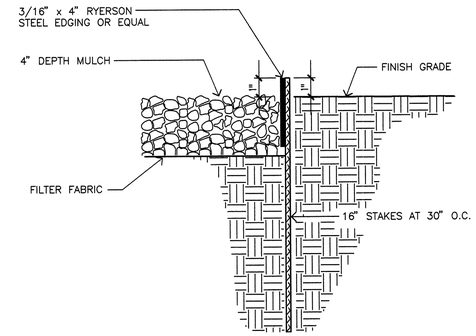
MCD-0009 110795 N.T.S.



1. IRRIGATION CONTROLLER WITH PEDESTAL, SEE IRRIGATION LEGEND. INSTALL TO MANUFACTURER'S STANDARDS
2. 4000 PSI CONCRETE BASE. 8" MINIMUM THICKNESS. ALL 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, SEE SPECIFICATIONS
5. FINISH GRADE.
6. 120-VOLT SERVICE IN CONDUIT, PER N.E.C.

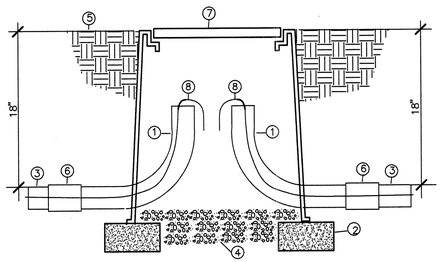
B / 27 IRRIGATION CONTROLLER AND PEDESTAL

ARU-0165 081495 N.T.S.



C / 27 STEEL EDGING SECTION

MCD-0001 110795 N.T.S.



1. 3" SWEEP 90
2. CMU BLOCK
3. 3" SCH. 80 PVC ELECTRICAL CONDUIT
4. PEA GRAVEL-3 CUBIC FEET
5. FINISH GRADE
6. 3" SCH. 80 COUPLING
7. BROOKS PRODUCTS, INC. 1730 SERIES VALVE BOX WITH 1730 BOLT DOWN COVER MARKED ELECTRICAL W/ 8" EXTENSIONS AS REQUIRED
8. NYLON PULL STRING 36" OUT OF SWEEP

TAPE CLOSED EACH END OF 90 SWEEP ELLS

D / 27 ELECTRICAL PULL BOX ASSEMBLY

MCD-0414 050296 N.T.S.

IRRIGATION NOTES

1. VALVE BOXES SHALL BE INSTALLED AT A MINIMUM OF 12" FROM WALKS, MOW-STRIPS, DRIVE PADS, ETC.
2. ALL VALVE BOXES SHALL BE SUPPORTED BY CINDER BLOCKS, (MINIMUM 4 PER VALVE BOX). INSTALL BLOCKS IN A MANNER WHICH WILL PREVENT CONTACT WITH PIPING, WIRES, VALVES, ETC. ALL CMU BLOCKS SHALL BE SOLID.
3. MARK ALL 24-VOLT WIRE ENDS WITH 3M STD-09 WIRE MARKER TAPE AT THE VALVE BOX AND CONTROLLER LOCATIONS.
4. ALL 24-VOLT WIRE SHALL BE MARKED WITH A 4" WIDE YELLOW MARKER TAPE AND MARKED "WARNING-ELECTRICAL". LAY MARKER TAPE HORIZONTALLY 6" ABOVE WIRE.
5. 24-VOLT WIRE SHALL BE IN COMMON TRENCH WITH MAIN LINE AND SHALL HAVE SEPARATE SLEEVE WHERE CROSSING ALL HARD CONSTRUCTION. ALL SLEEVE PIPING FOR 24-VOLT WIRE SHALL BE 2" CLASS 200 PVC.
6. WHERE PROPOSED PIPING CROSSES EXISTING ASPHALT AND/OR CONCRETE, THE CONTRACTOR SHALL SAW-CUT, REMOVE AND PROPERLY DISPOSE OF WASTE, EXCAVATE, INSTALL SLEEVE PIPING, MAINS AND LATERALS, BACKFILL AND COMPACT TO 95%. CONTRACTOR SHALL REPLACE ASPHALT AND/OR CONCRETE TO MATCH EXISTING.
7. THE CONTRACTOR SHALL ADJUST ALL VALVES AND BUBBLERS 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.
8. CONTRACTOR SHALL TAPE CLOSED ALL SLEEVE PIPE OPENINGS USING DUCT TAPE TO PREVENT DEBRIS FROM ENTERING SLEEVES.
9. 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.
10. ALL EXISTING WATER MAIN LINE 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.
11. 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.
12. LOCATIONS OF ALL SLEEVE PIPING SHALL BE VERIFIED BY THE CONTRACTOR. EXCAVATION, POT-HOLING, ASSOCIATED WORK, MATERIALS, LABOR, ETC., SHALL BE THE RESPONSIBILITY OF CONTRACTOR. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR FOR LOCATING SLEEVES
13. THIS SYSTEM WAS DESIGNED AT 50 PSI STATIC WATER PRESSURE AND 42 GPM. 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.
14. HOTBOX ENCLOSURE SHALL BE BEIGE IN COLOR AS MANUFACTURED BY HOTBOX.
15. ~~CONTRACTOR~~ SHALL PAY FOR ALL COSTS ASSOCIATED WITH INSTALLATION OF ~~WATER METER~~ INCLUDING BUT ~~NOT LIMITED~~ TO MATERIALS AND INSTALLATION OF ~~WATER~~ METER PER WATER PURVEYER'S MOST RECENT STANDARDS, ~~PRESSURE TAP~~, SAW-CUTS, PAVEMENT REMOVALS, PAVEMENT REPLACEMENTS, ~~METER~~, METER BOX, CONCRETE COLLARS, ~~STAND-BY~~, PRO-RATA, UTILITY ~~EXPANSION~~ AND OTHER CHARGES, COMPLETE IN PLACE. SEE DRAWINGS ~~FOR METER SIZE~~.
16. ~~CONTRACTOR SHALL INSTALL ONE EXTRA CONTROL WIRE FROM IRRIGATION CONTROLLER TO EACH VALVE VALVE BOX LOCATION.~~
17. CONTRACTOR SHALL CONNECT TWO (2) BLUE WIRES BETWEEN THE FLOW SENSOR IMPULSE WIRES AND THE CONTROLLER. THE ACTUATORS FOR THE BERMAD SHALL BE A WHITE WIRE AND A RED WIRE.

15. THE OWNER WILL PAY FOR THE UTILITY EXPANSION CHARGE AND FOR THE PURCHASE OF THE WATER METERS. THE CONTRACTOR SHALL PICK UP AND INSTALL THE METER, COMPLETE IN PLACE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE INSTALLATION OF THE IRRIGATION SYSTEM AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFORE.

16. BORING (SEE SHEETS 11 TO 18 OF 38) SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF THE IRRIGATION SYSTEM AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFORE.

IRRIGATION LEGEND

- M — 2" PROPOSED WATER METER @ 2" TAP.
- = = = 24-VOLT WIRE SLEEVES, 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 28". (2)
- ~~3" SCH. 80 PVC ELECTRICAL CONDUIT WITH PULL WIRES AT 18" DEPTH OF BURY. SEE DETAIL D/23.~~
- ~~PULL BOX BROOKS 1730 SERIES VALVE BOX WITH LID LABELED ELECTRICAL. SEE DETAIL D/23.~~
- MANUAL VALVE ASSEMBLIES SPEARS TRUE UNION SCHEDULED 80 PVC BALL VALVE MAIN LINE SIZE.....SEE C.O.A. STANDARD DETAIL 2706
- BACKFLOW PREVENTER ASSEMBLIES, FEBCO 825-Y-BV-2.5" REDUCED PRESSURE BACKFLOW PREVENTER WITH BERMAD 910-P-2" FLOW METER MASTER VALVE UNIT IN HOT BOX #3 ENCLOSURE.....SEE C.O.A. DETAIL 2701-A. SEE ALSO IRRIGATION NOTE #17. (1)
- ~~IRRIGATION MAINLINE SCH.40 BELL END, SOLVENT WELD PVC, SIZE 2.5", 28" DEPTH OF BURY WITH THRUST BLOCKS PER C.O.A. STANDARD DETAIL 2704~~ (1)
- AUTOMATIC VALVE ASSEMBLY, RAINBIRD PEB SERIES PLASTIC BODY AUTOMATIC VALVE ASSEMBLY WITH FLOW CONTROL AND MANUAL ACTIVATION, SIZE AS SHOWN ON PLAN SEE C.O.A. STANDARD DETAIL 2703 (1)
- LATERAL PIPING SCH. 40, BELL END, SOLVENT WELD PVC, 18" DEPTH OF BURY ALL LATEREL 3/4" UNLESS OTHERWISE INDICATED ON PLAN. (1) (2) (1) (1)
- C — SOLVENT WELD CAP, SCH. 40 PVC SIZE.
- IRRIGATION CONTROLLER MOTOROLA IRRNET ~~MSS-25-S1~~ MST-2T-508 WITH KEYBOARD V-308 AND ANTENNA RRA-4908 & 24 VAC SURGE PROTECTION IN TORO STAINLESS STEEL ENCLOSURE.....SEE DETAIL B/23
- S — IRRIGATION CONTROLLER MOTOROLA SCORPIO ~~MSS-25-S1~~ WITH ANTENNA WITH 24 VAC SURGE PROTECTION IN TORO STAINLESS STEEL ENCLOSURE.....SEE DETAIL B/23.
- FIXED SPRAY POP-UP SPRINKLER ASSEMBLIES HUNTER #PS-04 4" POP-UP BODY ASSEMBLIES WITH ADJUSTABLE NOZZLES AS FOLLOWS: .....SEE DETAIL A/27 (1)

NOZZLE	AREA OF COVERAGE	GPM	PSI
10Q	10' RADIUS	.5	40
10H	10' RADIUS	1.2	40
10F	10' RADIUS	2.4	40
15Q	15' RADIUS	1.2	40
15H	15' RADIUS	2.1	40
15F	15' RADIUS	4.4	40

- BUBBLER ASSEMBLY RAINBIRD 1400 SERIES PRESSURE COMPENSATING BUBBLER ASSEMBLY SEE C.O.A. STANDARD DETAILS 2710/2711 (1)

MODEL	GPM	PSI
1402	.50 GPM @	40 PSI
1404	1.0 GPM @	40 PSI

IRRIGATION MAINLINE CLASS 200 RING AND GASKET PVC, SIZE 2.5", 28" DEPTH OF BURY PER COA SPECIFICATION SECTION 1001. INSTALL WITH THRUST BLOCKS PER COA DWG. 2704. (2)

VALVE SYMBOL KEY

A=VALVE WIRED TO SCORPIO — S-1 | 1.5" | 38-GPM
B=VALVE WIRED TO IRRNET — I-1 | 1.5" | 38-GPM
(VALVE NUMBER; VALVE SIZE; GALLONS PER MINUTE)

RECORD DRAWING
DATE 1-10-00

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 266-2286 FAX: 505 265-9637

WILSON & COMPANY
4775 Indian School Road, N.E., Suite 200
Albuquerque, New Mexico 87110
Ph. (505)-254-4000

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: DATE
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ACCEPTANCE BY: DATE
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DRAWINGS CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL
STATE OF NEW MEXICO — ELIZABETH C. FISH — NO. 726 — REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REVISIONS	BY	ECR
1	7/9/98	DETAIL A/27, LEGEND REVISED		
2	11/6/98	REVISED PER ADDENDUM NO. 2	DAM	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: ECR DATE: JUNE 1998
DRAWN BY: RHT DATE: JUNE 1998
CHECKED BY: ECR DATE: JUNE 1998

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
RECREATIONAL TRAILS/LANDSCAPE PLAN

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 27 OF 38

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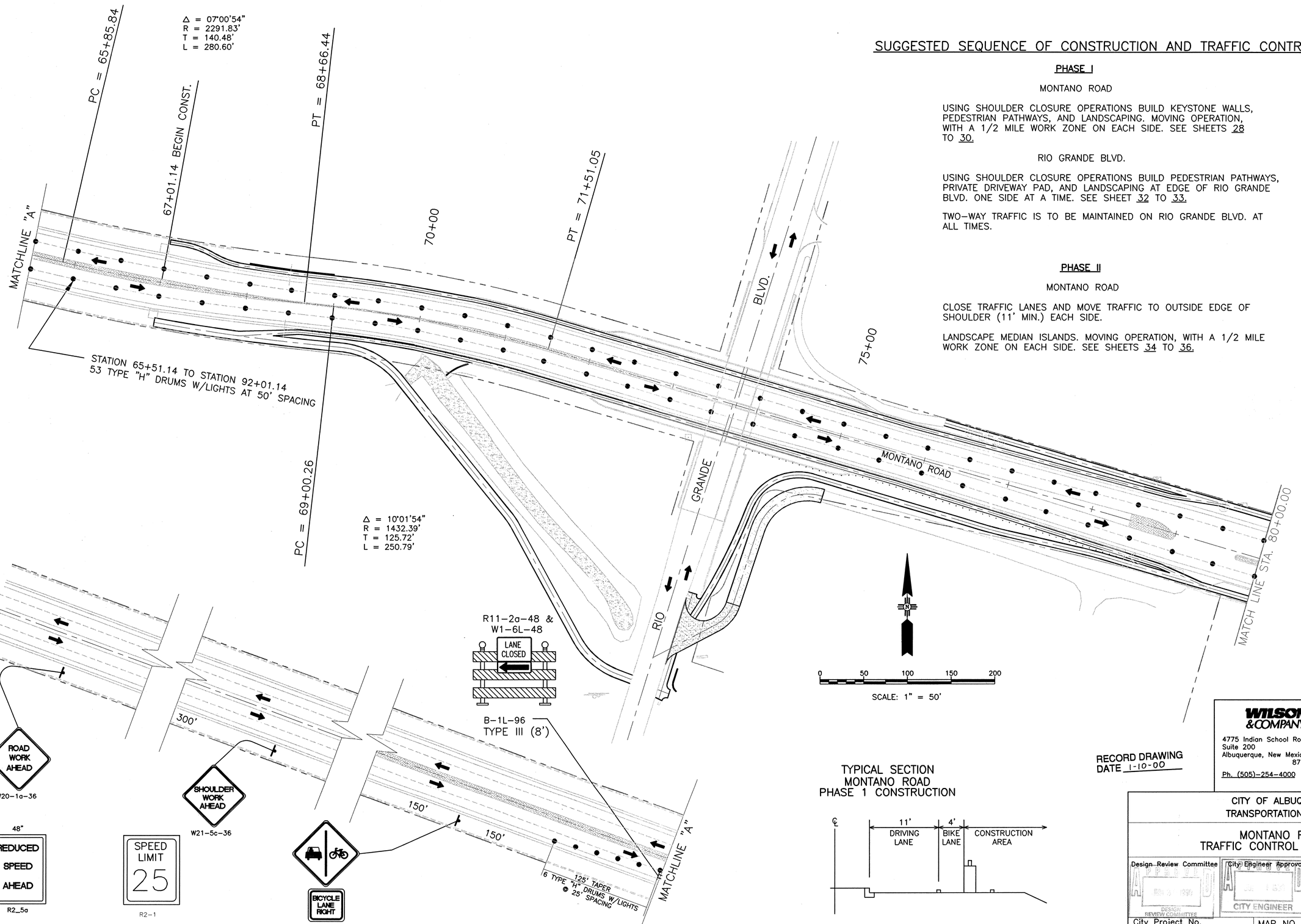

SUGGESTED SEQUENCE OF CONSTRUCTION AND TRAFFIC CONTROL

PHASE I

MONTANO ROAD

USING SHOULDER CLOSURE OPERATIONS BUILD KEYSTONE WALLS, PEDESTRIAN PATHWAYS, AND LANDSCAPING. MOVING OPERATION, WITH A 1/2 MILE WORK ZONE ON EACH SIDE. SEE SHEETS 28 TO 30.

RIO GRANDE BLVD.

USING SHOULDER CLOSURE OPERATIONS BUILD PEDESTRIAN PATHWAYS, PRIVATE DRIVEWAY PAD, AND LANDSCAPING AT EDGE OF RIO GRANDE BLVD. ONE SIDE AT A TIME. SEE SHEET 32 TO 33.

TWO-WAY TRAFFIC IS TO BE MAINTAINED ON RIO GRANDE BLVD. AT ALL TIMES.

PHASE II

MONTANO ROAD

CLOSE TRAFFIC LANES AND MOVE TRAFFIC TO OUTSIDE EDGE OF SHOULDER (11' MIN.) EACH SIDE.

LANDSCAPE MEDIAN ISLANDS. MOVING OPERATION, WITH A 1/2 MILE WORK ZONE ON EACH SIDE. SEE SHEETS 34 TO 36.

TYPICAL SECTION
MONTANO ROAD
PHASE 1 CONSTRUCTION

RECORD DRAWING
DATE 1-10-00

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: DATE
ACCEPTANCE INSPECTION 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

NO.	DATE	REMARKS	BY
		REVISIONS	
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY: DDM	DATE: JULY 30, 1997
		DRAWN BY: MES	DATE: JULY 30, 1997
		CHECKED BY: SFP	DATE: JULY 30, 1997

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CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
TRAFFIC CONTROL - PHASE I

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 28 OF 38

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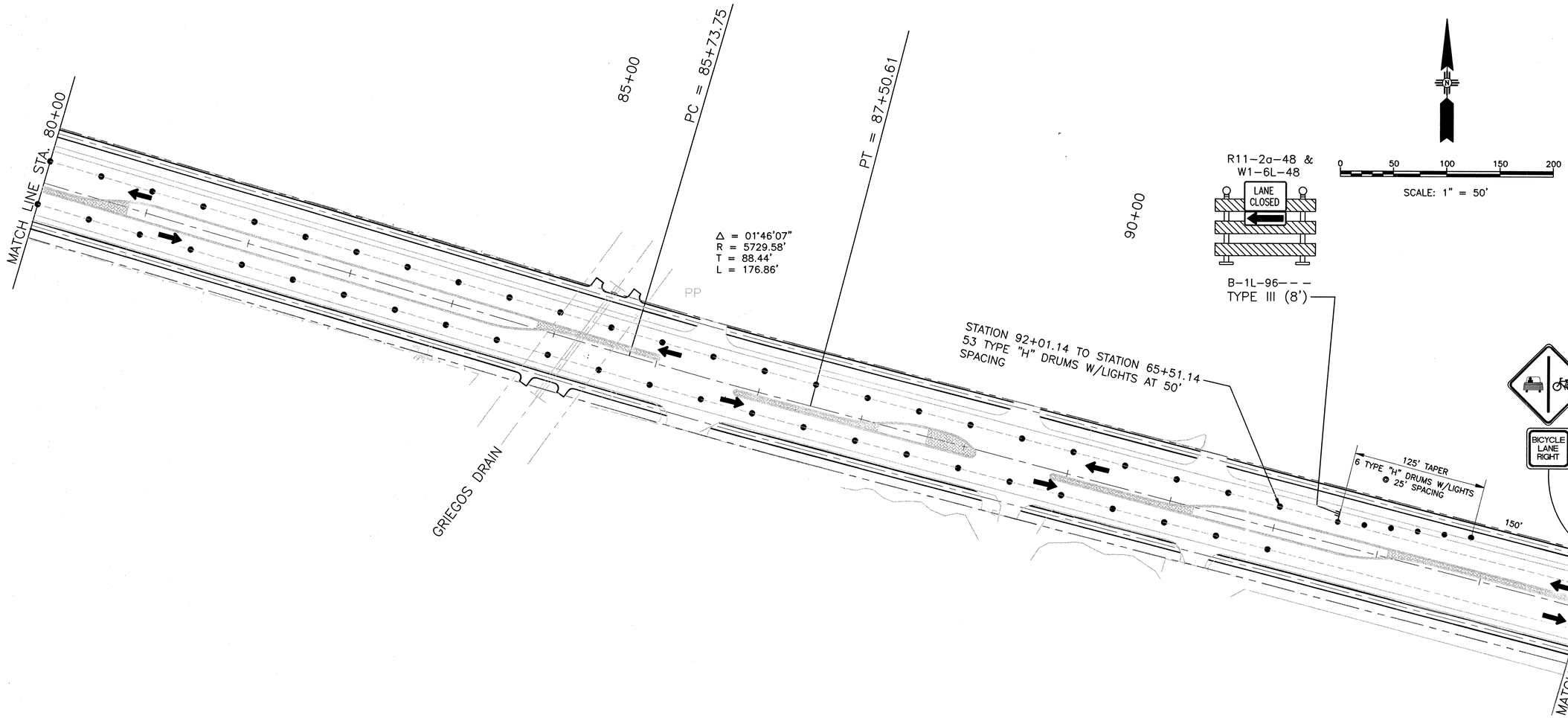
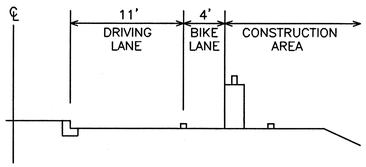


TYPICAL SECTION
MONTANO ROAD
PHASE 1 CONSTRUCTION



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DATE 1-10-00

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4775 Indian School Road, N.E.,
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Albuquerque, New Mexico
87110
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SURVEY INFORMATION
FIELD NOTES
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BENCH MARKS

AS-BUILT INFORMATION
CONTRACTOR
WORK STARTED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
COMPLETED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

ENGINEER'S SEAL
BY:

NO.	DATE	REMARKS
		REVISIONS

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CHECKED BY: SFP | DATE: JULY 30, 1997

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
TRAFFIC CONTROL – PHASE I

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUL 30 1997 DESIGN REVIEW COMMITTEE	APPROVED JUL 1997 CITY ENGINEER			

City Project No. 5900.91 | MAP NO. F 13 | SHEET 29 OF 38

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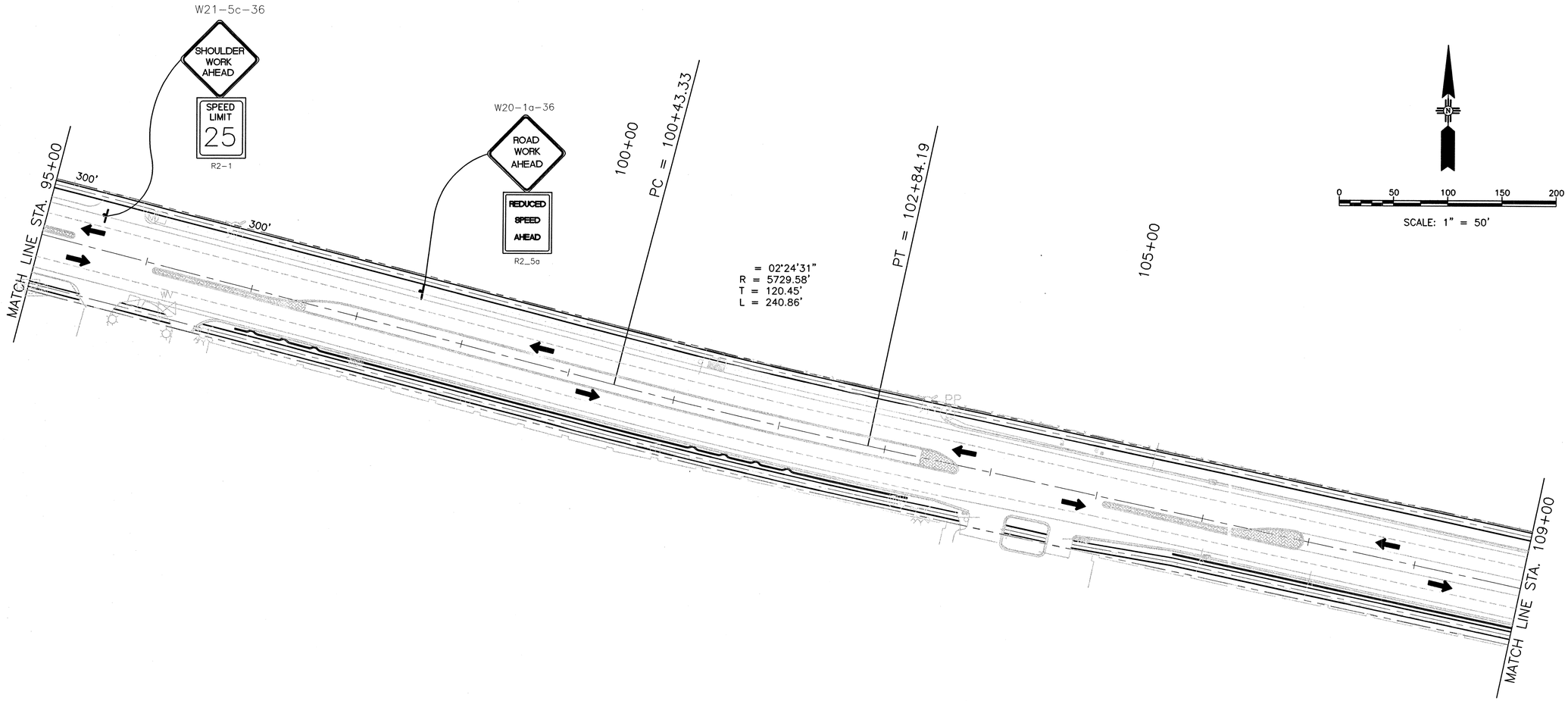
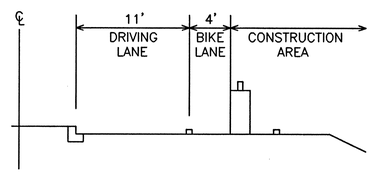


TYPICAL SECTION
MONTANO ROAD
PHASE 1 CONSTRUCTION



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DATE 1-10-00

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CONTRACTOR
WORK STAKED BY — DATE
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MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. — BY — DATE

ENGINEER'S SEAL
SCOTT E. [illegible] 10272 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: DDM — DATE: JULY 30, 1997
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CHECKED BY: SFP — DATE: JULY 30, 1997

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
TRAFFIC CONTROL – PHASE 1

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 30 OF 38

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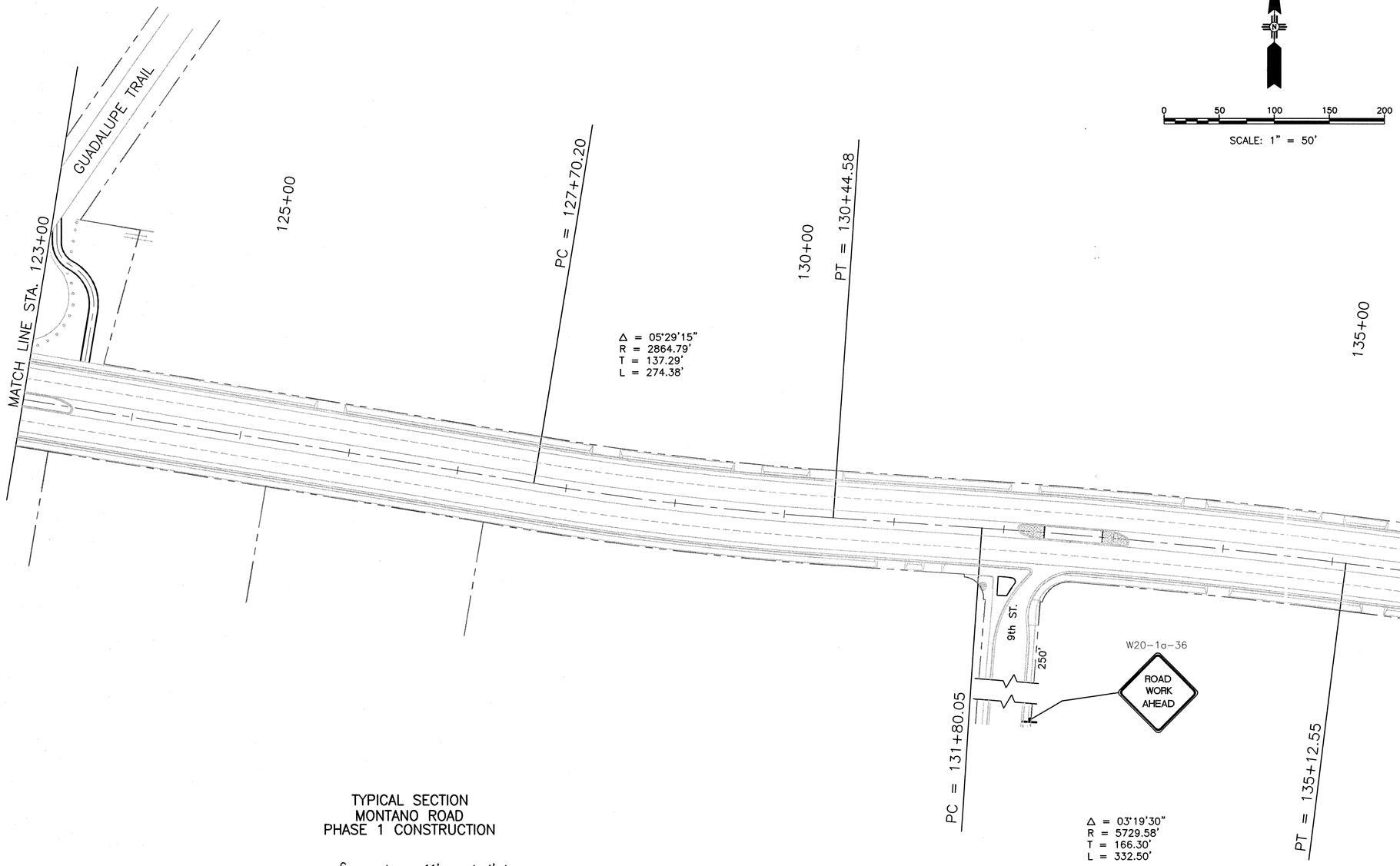
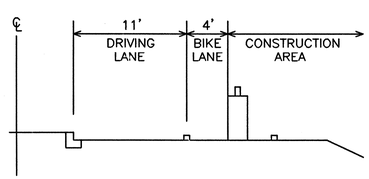


TYPICAL SECTION
MONTANO ROAD
PHASE 1 CONSTRUCTION



RECORD DRAWING
DATE 1-10-00

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: DATE
INSPECTED BY: DATE
ACCEPTANCE BY: DATE
FIELD VERIFICATION BY: DATE
DRAWINGS CORRECTED BY: DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
BY DATE
NO.

ENGINEER'S SEAL
SCOTT F. SHULTZ 10272 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: DDM DATE: JULY 30, 1997
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CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
TRAFFIC CONTROL – PHASE I

Design Review Committee: DESIGN REVIEW COMMITTEE
City Engineer Approval: CITY ENGINEER
Last Design Update: Mo./Day/Yr. Mo./Day/Yr.

City Project No. 5900.91 | MAP NO. F 13 | SHEET 31 OF 38

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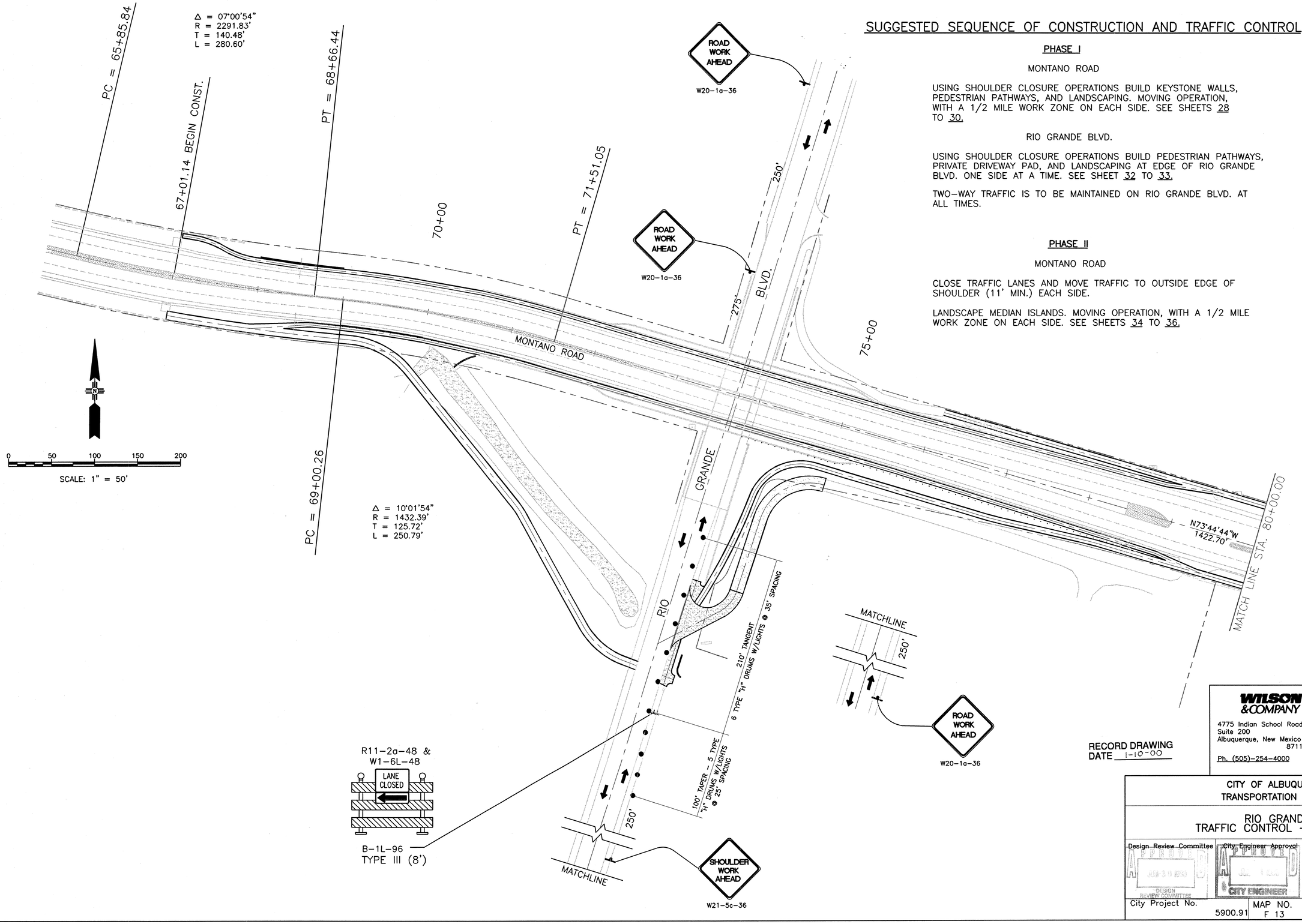

SUGGESTED SEQUENCE OF CONSTRUCTION AND TRAFFIC CONTROL

PHASE I

MONTANO ROAD

USING SHOULDER CLOSURE OPERATIONS BUILD KEYSTONE WALLS, PEDESTRIAN PATHWAYS, AND LANDSCAPING. MOVING OPERATION, WITH A 1/2 MILE WORK ZONE ON EACH SIDE. SEE SHEETS 28 TO 30.

RIO GRANDE BLVD.

USING SHOULDER CLOSURE OPERATIONS BUILD PEDESTRIAN PATHWAYS, PRIVATE DRIVEWAY PAD, AND LANDSCAPING AT EDGE OF RIO GRANDE BLVD. ONE SIDE AT A TIME. SEE SHEET 32 TO 33.

TWO-WAY TRAFFIC IS TO BE MAINTAINED ON RIO GRANDE BLVD. AT ALL TIMES.

PHASE II

MONTANO ROAD

CLOSE TRAFFIC LANES AND MOVE TRAFFIC TO OUTSIDE EDGE OF SHOULDER (11' MIN.) EACH SIDE.

LANDSCAPE MEDIAN ISLANDS. MOVING OPERATION, WITH A 1/2 MILE WORK ZONE ON EACH SIDE. SEE SHEETS 34 TO 36.

RECORD DRAWING
DATE 1-10-00

AS-BUILT INFORMATION
CONTRACTOR
WORK INSPECTED 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

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WILSON & COMPANY, ENGINEERS & ARCHITECTS
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CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

RIO GRANDE
TRAFFIC CONTROL - PHASE I

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUN 3 1 1998 DESIGN REVIEW COMMITTEE	APPROVED JUL 1 1998 CITY ENGINEER			

City Project No. 5900.91 | MAP NO. F 13 | SHEET 32 OF 38

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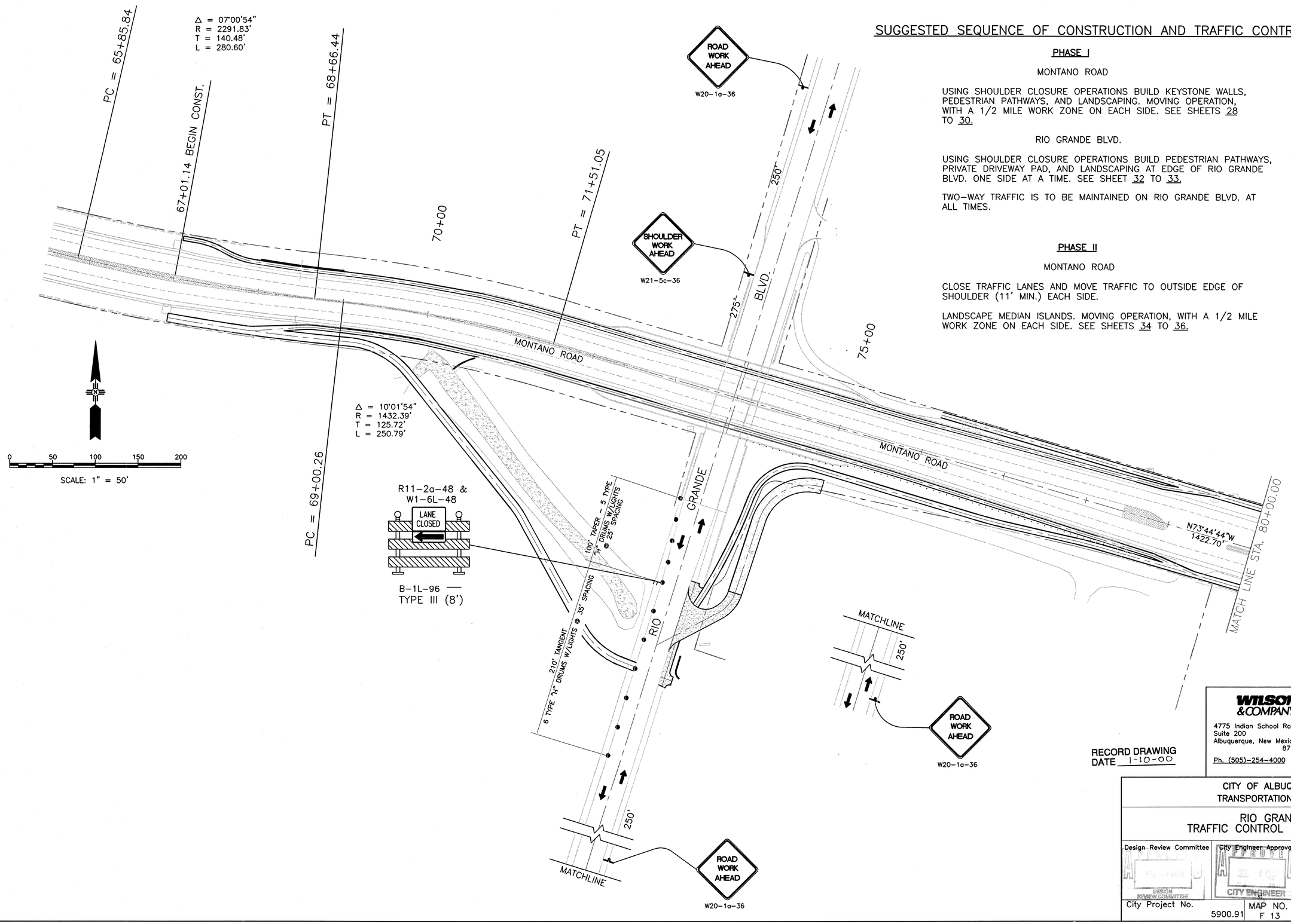

SUGGESTED SEQUENCE OF CONSTRUCTION AND TRAFFIC CONTROL

PHASE I

MONTANO ROAD

USING SHOULDER CLOSURE OPERATIONS BUILD KEYSTONE WALLS, PEDESTRIAN PATHWAYS, AND LANDSCAPING. MOVING OPERATION, WITH A 1/2 MILE WORK ZONE ON EACH SIDE. SEE SHEETS 28 TO 30.

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PHASE II

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LANDSCAPE MEDIAN ISLANDS. MOVING OPERATION, WITH A 1/2 MILE WORK ZONE ON EACH SIDE. SEE SHEETS 34 TO 36.

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MICRO-FILM INFORMATION
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NO.

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FIELD NOTES
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ENGINEER'S SEAL

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Ph. (505)-254-4000

RECORD DRAWING
DATE 1-10-00

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

RIO GRANDE
TRAFFIC CONTROL - PHASE I

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 33 OF 38

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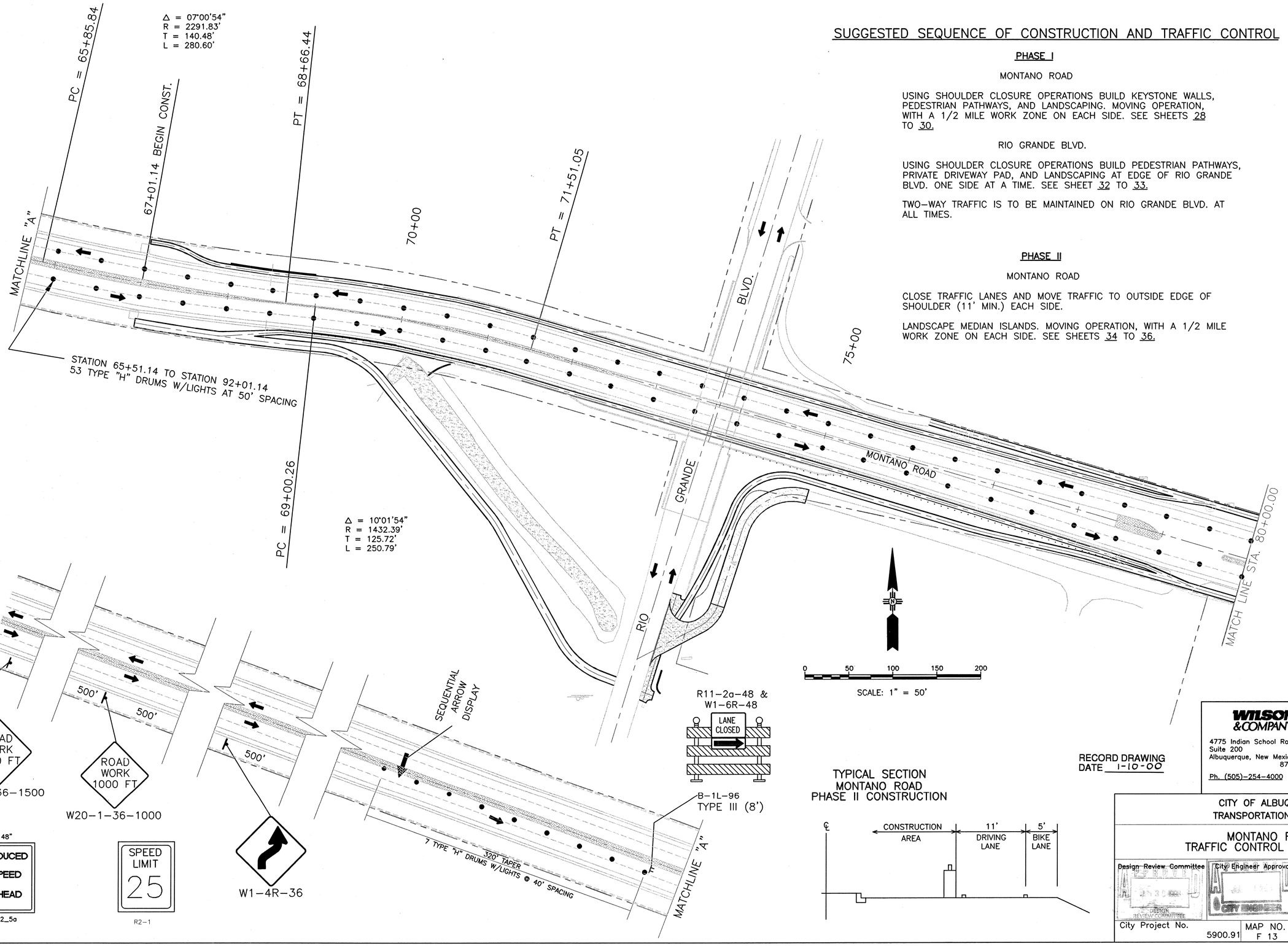

SUGGESTED SEQUENCE OF CONSTRUCTION AND TRAFFIC CONTROL

PHASE I

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USING SHOULDER CLOSURE OPERATIONS BUILD KEYSTONE WALLS, PEDESTRIAN PATHWAYS, AND LANDSCAPING. MOVING OPERATION, WITH A 1/2 MILE WORK ZONE ON EACH SIDE. SEE SHEETS 28 TO 30.

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PHASE II

MONTANO ROAD

CLOSE TRAFFIC LANES AND MOVE TRAFFIC TO OUTSIDE EDGE OF SHOULDER (11' MIN.) EACH SIDE.

LANDSCAPE MEDIAN ISLANDS. MOVING OPERATION, WITH A 1/2 MILE WORK ZONE ON EACH SIDE. SEE SHEETS 34 TO 36.

TYPICAL SECTION MONTANO ROAD PHASE II CONSTRUCTION

RECORD DRAWING
DATE 1-10-00

WILSON & COMPANY
4775 Indian School Road, N.E., Suite 200
Albuquerque, New Mexico 87110
Ph. (505)-254-4000

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: DATE
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

NO.	DATE	REMARKS	BY
		REVISIONS	
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY: DDM DATE: JULY 30, 1997	
		DRAWN BY: MES DATE: JULY 30, 1997	
		CHECKED BY: SFP DATE: JULY 30, 1997	

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
TRAFFIC CONTROL - PHASE II

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 34 OF 38

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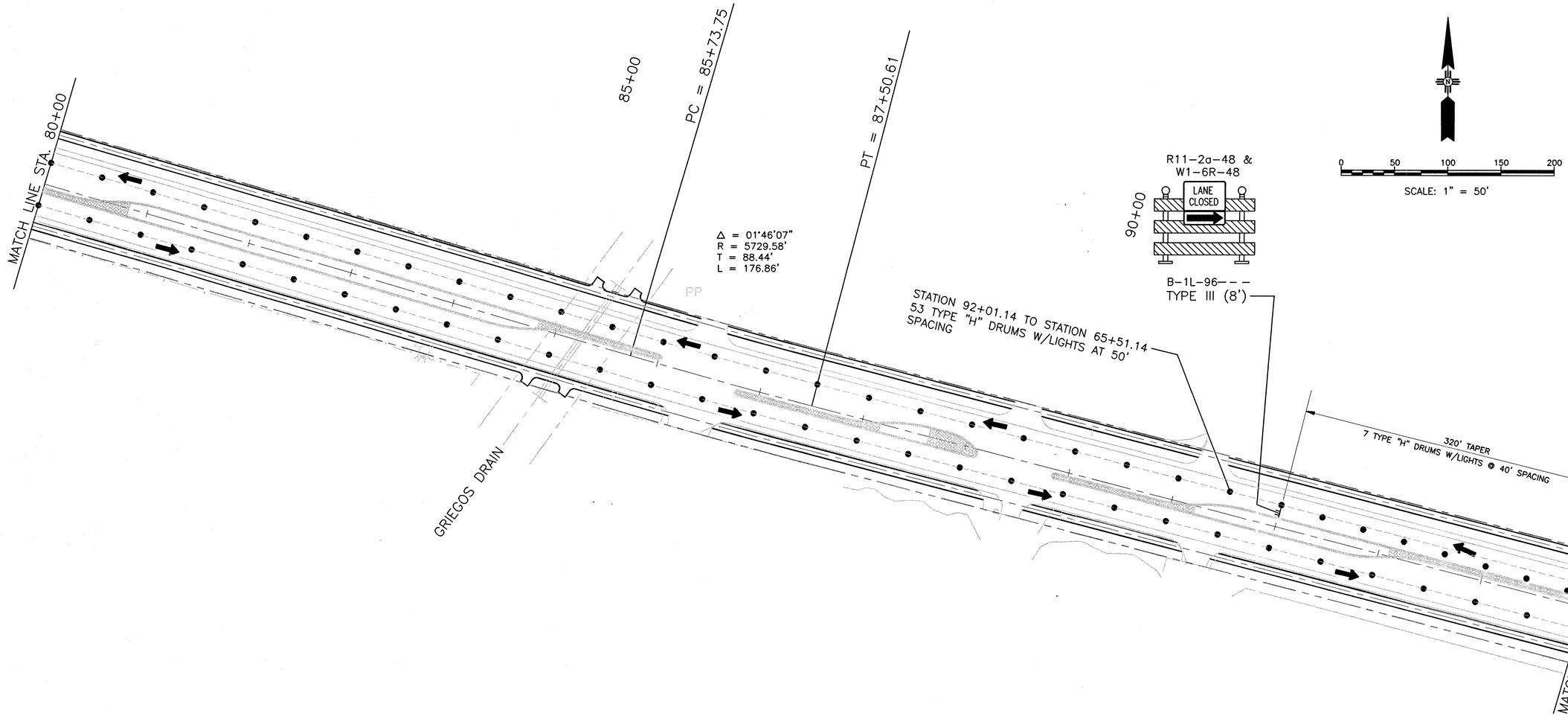
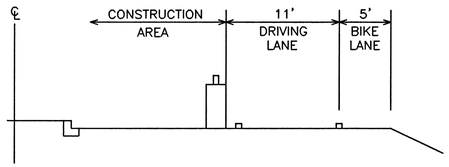


TYPICAL SECTION
MONTANO ROAD
PHASE II CONSTRUCTION



RECORD DRAWING
DATE 1-10-00

AS-BUILT INFORMATION
CONTRACTOR
WORK STARTED 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

NO.	DATE	REMARKS
		REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: DDM — DATE: JULY 30, 1997
DRAWN BY: MES — DATE: JULY 30, 1997
CHECKED BY: SFP — DATE: JULY 30, 1997

WILSON & COMPANY
4775 Indian School Road, N.E.,
Suite 200
Albuquerque, New Mexico
87110
Ph. (505)-254-4000

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
TRAFFIC CONTROL – PHASE II

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

City Project No. 5900.91 | MAP NO. F 13 | SHEET 35 OF 38

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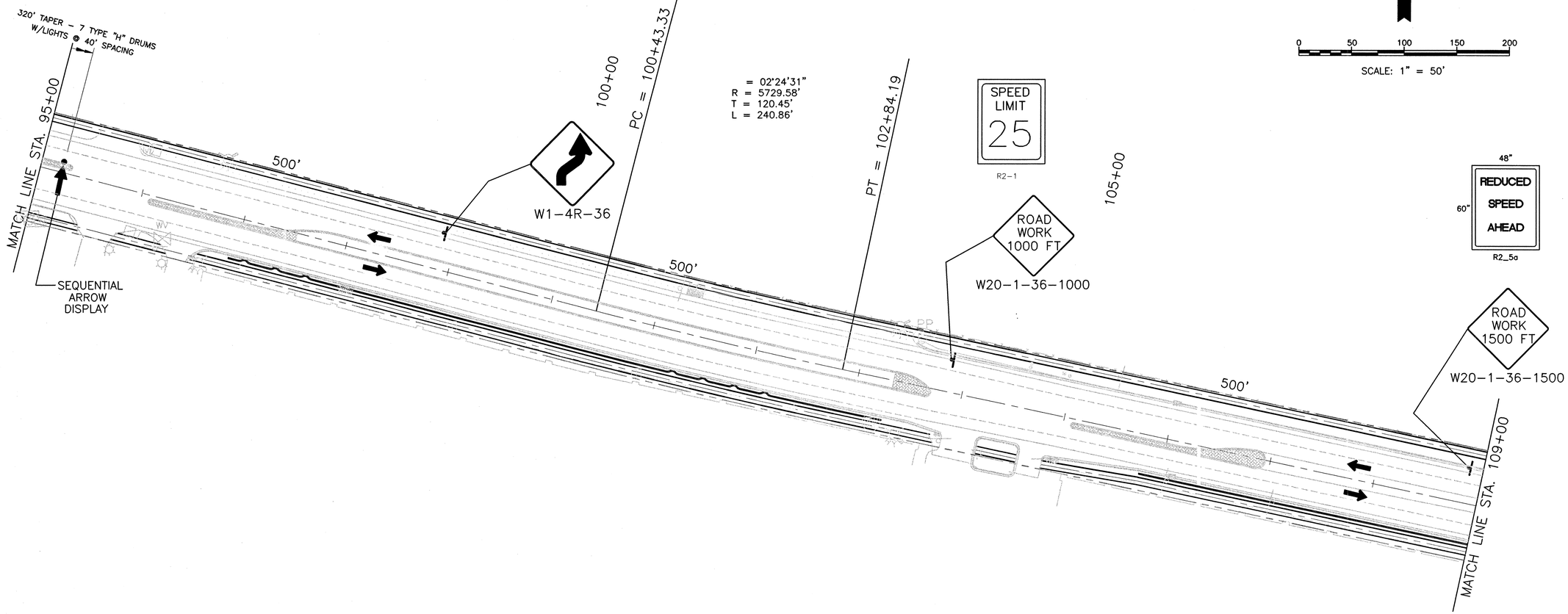
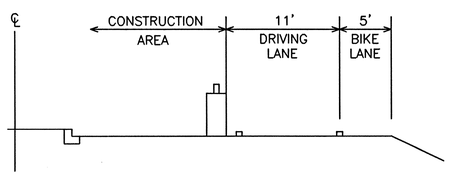


TYPICAL SECTION
MONTANO ROAD
PHASE II CONSTRUCTION



RECORD DRAWING
DATE 1-10-00

WILSON & COMPANY
4775 Indian School Road, N.E.,
Suite 200
Albuquerque, New Mexico
87110
Ph. (505)-254-4000

AS-BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
STAKED GRADES BY DATE
ACCEPTANCE BY DATE
FINAL VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
RECORDED BY DATE

BENCH MARKS

MICRO-FILM INFORMATION
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
SCOTT F. WILSON 10272 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY: DDM DATE: JULY 30, 1997
DRAWN BY: MES DATE: JULY 30, 1997
CHECKED BY: SFP DATE: JULY 30, 1997

CITY OF ALBUQUERQUE
TRANSPORTATION DIVISION

MONTANO ROAD
TRAFFIC CONTROL – PHASE II

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUN 30 1997 DESIGN REVIEW COMMITTEE	APPROVED JUL 1 1997 CITY ENGINEER			

City Project No. 5900.91 | MAP NO. F 13 | SHEET 36 OF 38

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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 SEPARATE 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.

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

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 TRAVELLED 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.

19. (2) 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.

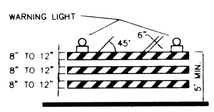
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

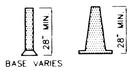
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGTH AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D. (3)

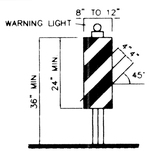
27 CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY. (4)



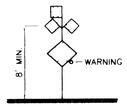
TYPE III BARRICADE



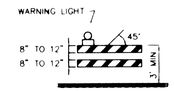
CONES



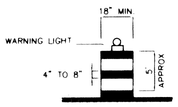
VERTICAL PANEL



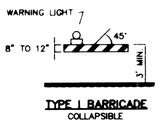
HIGH LEVEL WARNING DEVICE



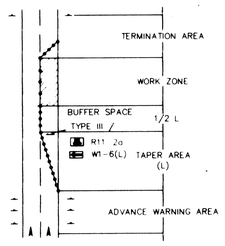
TYPE II BARRICADE COLLAPSIBLE



BARREL



TYPE I BARRICADE COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

LEGEND

	WORK AREA
•	BARRICADE - TYPE I, TYPE II, OR BARREL
⊥	BARRICADE - TYPE III
X	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 SPEED LIMIT OF THE STREET
L	TAPER LENGTH - SEE CHART BELOW

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

TAPER REQUIREMENTS

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

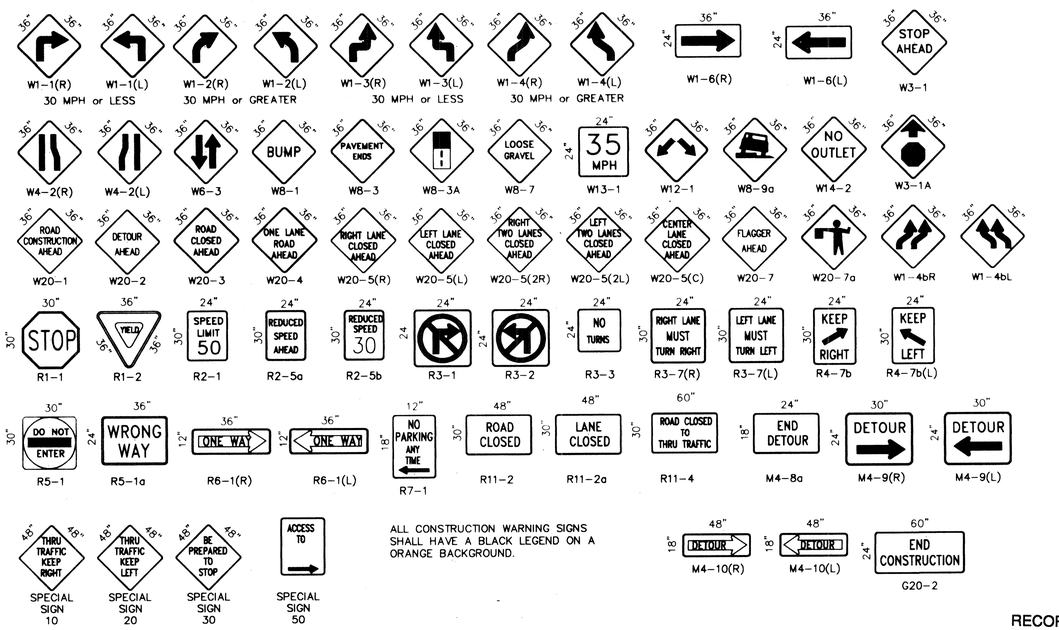
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 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 CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

RECORD DRAWING
DATE 1-10-00

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S FIELD NOTES BY — DATE
VERIFICATION BY — DATE
AS-BUILTS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
NO. | FIELD NOTES BY | DATE

ENGINEER'S SEAL
RICHARD P. RUTKAUSKAS — NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	9/25/97	ADD NOTE NO. 27	J.D.L.
2	9/24/97	REVISED NOTE NO. 26	J.D.L.
3	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 — DATE
C.O.A. STANDARDS — DRAWN BY — DATE
CHECKED BY — DATE

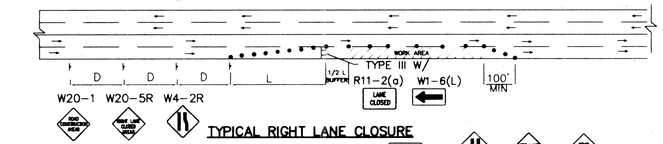
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

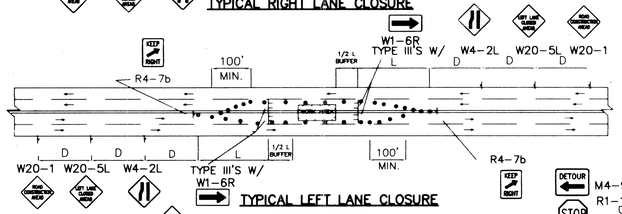
DESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR	MO./DAY/YR
C.O.A. Standard				

PROJECT NO. 5900.91 | MAP NO. | SHEET 37 OF 38

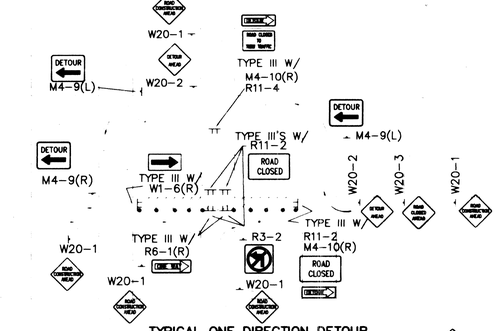
CTCSTND1.DWG



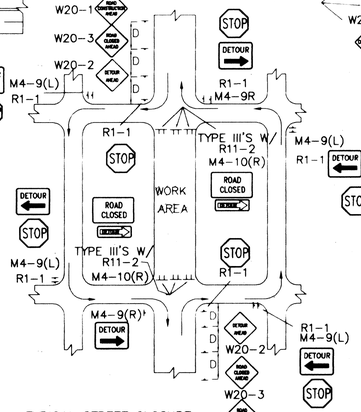
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE

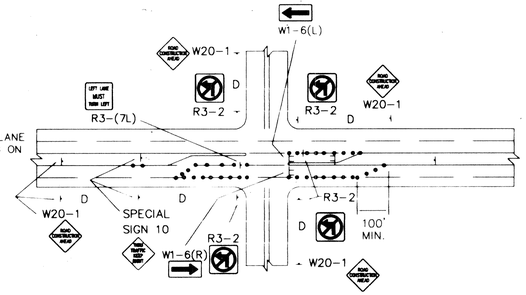


TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

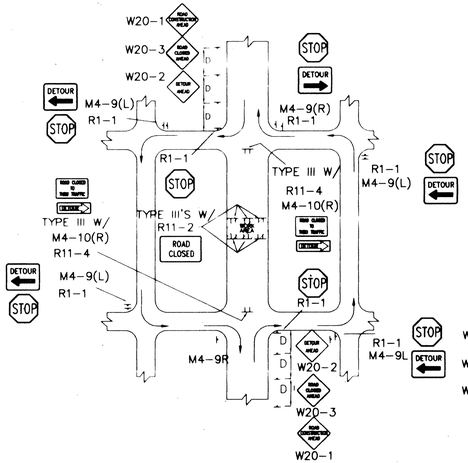
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



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

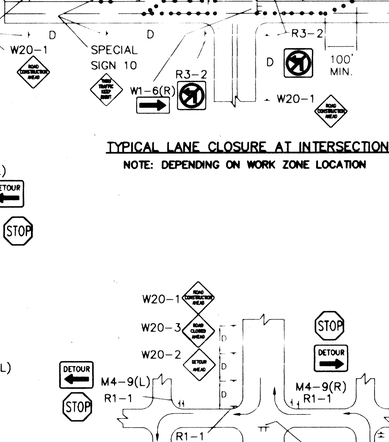
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION



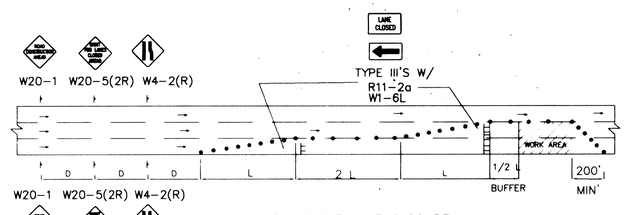
TYPICAL MID-BLOCK CLOSURE

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

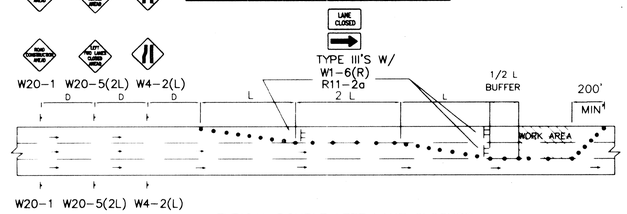


TYPICAL STREET CLOSURE

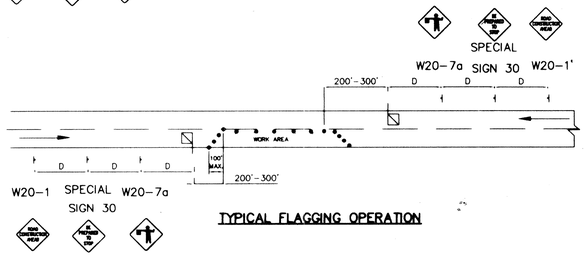
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



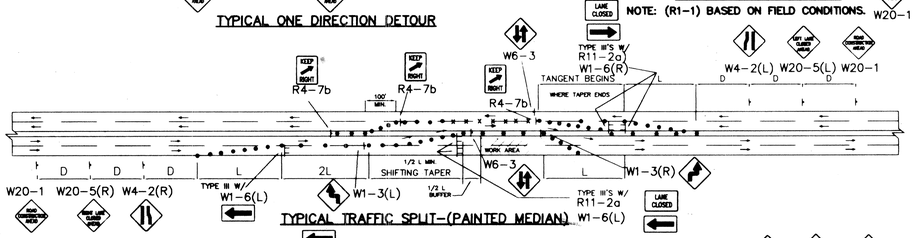
TYPICAL DOUBLE RIGHT LANE CLOSURE



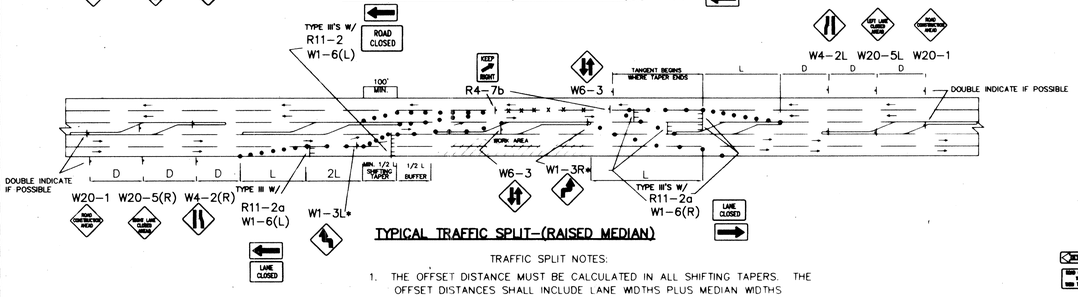
TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



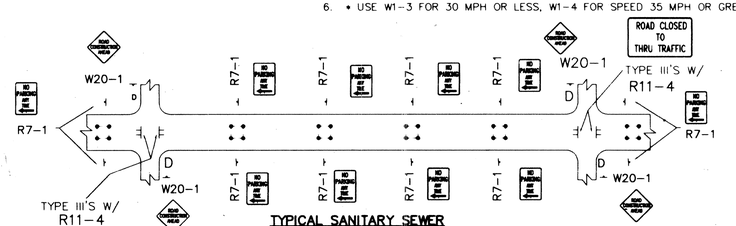
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



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 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.



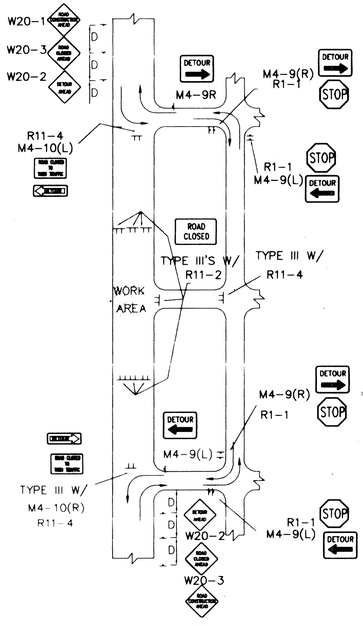
TYPICAL SANITARY SEWER SLIPLINING OPERATION

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

GENERAL NOTE:

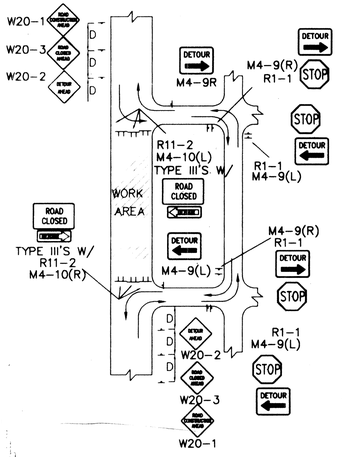
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

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.

RECORD DRAWING
DATE 1-10-00

AS BUILT INFORMATION		
CONTRACTOR		DATE
MARKED BY		DATE
STAKED BY		
INSPECTOR'S ACCEPTANCE		DATE
FIELD CHANGES BY		
DRAWING BY		DATE
CORRECTED BY		
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS		

SURVEY INFORMATION		
NO.	BY	DATE

ENGINEER'S SEAL

BLAINE B. ROTHROCK
NEW MEXICO
14729
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISED GENERAL NOTE	BY
1	9/24/97	REMARKS	J.D.L.
		REVISIONS	
		DESIGN	
		DESIGNED BY C.O.A. STANDARDS	DATE
		DRAWN BY	DATE
		CHECKED BY	DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)

DESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR	MO./DAY/YR
	COA standard			

PROJECT NO.	MAP NO.	SHEET OF
5900.91		38 38

CTGSTND2.DWG