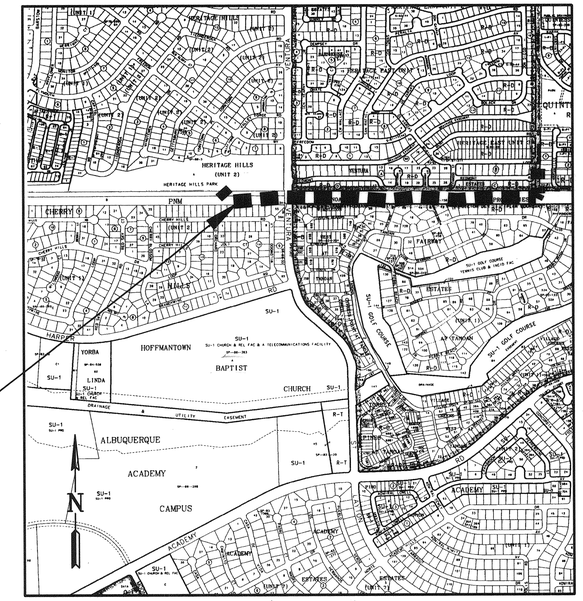
SAN ANTONIO CORRIDOR TRAIL
VENTURA TO HOLBROOK

CONSTRUCTION PLANS
ALBUQUERQUE, NEW MEXICO



VICINITY MAP — ZONE ATLAS E-20-Z — N.T.S.

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17 OF 17	TRAFFIC CONTROL – TYPICAL EXAMPLES

APPROVAL OF RECORD DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Theresa M. Baca
DATE 8-5-05
Project Manager

RECORD DRAWINGS
Revisions by ZNO Date 12/09/04
THESE RECORDS HAVE BEPREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OR COMPONENT, NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS, WHICH HAVE BEEN INCORPORATED INTO THE DRAWINGS.

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2 6 6 4 4 6 . 0 2 0 1 0 5

Resource Technology, Inc.
Civil Engineering
Environmental Sciences
Water Resources
Landscape Architecture
Planning
5501 Jefferson NE, Suite 200
Albuquerque, New Mexico 87109
E-mail: rti@nm.net
Telephone: (505) 243-7300
Facsimile: (505) 243-7400

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

ENGINEERS STAMP & SIGNATURE — ALFREDO MUÑOZ — NEW MEXICO — 7111 — REGISTERED PROFESSIONAL ENGINEER — 5/20/02

APPROVALS	ENGINEER	DATE
DRC CHAIRMAN		5-24-02
TRANSPORTATION		4/26/02
WATER/WASTEWATER	Billy J. Goolsby	4/30/02
HYDROLOGY		4-30-02
~~CIP~~ Parks	Diane Selna	4/30/02
CONSTR. COORD.		5-24-02

APPROVED FOR CONSTRUCTION
5/24/02
CITY ENGINEER — DATE

CITY PROJECT NO. 644602

SHEET 1 OF 17

GENERAL NOTES

GOVERNING SPECIFICATIONS

1) ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION (INCLUDING MOST RECENT UPDATES).

MONUMENTATION INFORMATION

2) INFORMATION PERTAINING TO THE MONUMENTATION FOR THIS PROJECT MAY BE OBTAINED FROM THE CITY OF ALBQ. PUBLIC WORKS DEPT, SURVEY SECTION.

3) THE 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 THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT OF ANY COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED, REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS

EARTHWORK

4) THE EARTHWORK QUANTITIES ARE BASED ON FINAL VOLUMES COMPACTED IN PLACE. ON-SITE EXCAVATION AND BACKFILL QUANTITY (BID ITEM 0204.01) IS BASED ON A SHRINKAGE FACTOR OF 15%.

5) ALL SIDESLOPES TO BE 3H:1V MAXIMUM, KEEPING SLOPES FLATTER WHEREVER POSSIBLE. SLOPES SHALL TRANSITION SMOOTHLY TO EXISTING GRADES AND ADJACENT STRUCTURES IN ALL CASES.

6) NO MATERIAL PITS HAVE BEEN IDENTIFIED FOR THIS PROJECT. THE CONTRACTOR MAY OBTAIN SUITABLE MATERIAL FROM ANY ACCEPTABLE SOURCE, PROVIDED THAT IT MEETS PROJECT SPECIFICATIONS. ALL MATERIAL PIT ACTIONS SHALL BE IN COMPLIANCE WITH SECTION 205 OF THE C.O.A. SPECIFICATIONS. NO ADDITIONAL PAYMENT SHALL BE MADE FOR HAULING OF SUCH MATERIAL.

6a.) THE DESIGN "R" VALUE FOR THIS PROJECT IS 50. MATERIAL WITH AN "R" VALUE OF LESS THAN 50 SHALL NOT BE PLACED IN, NOR ALLOWED TO REMAIN WITHIN, THE TOP TWO FEET OF FINISHED SUBGRADE.

7) THE CONTRACTOR SHALL WARP SLOPES WHERE NECESSARY TO STAY WITHIN THE RIGHT-OF-WAY OR CONSTRUCTION LIMITS, OR TO MEET EXISTING STRUCTURES.

8) ALL EXCAVATION SHALL BE GOVERNED BY FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.

9) THE CONTRACTOR SHALL BE RESTRICTED TO THE USE OF A 35 TON NON-VIBRATING ROLLER MAXIMUM TO OBTAIN THE REQUIRED COMPACTION IN EMBANKMENT AND SUB GRADE IN URBAN OR OTHER AREAS WHERE THE USE OF HEAVIER EQUIPMENT COULD DAMAGE UNDERGROUND UTILITIES OR OTHER PERMANENT STRUCTURES.

WASTE DISPOSAL REQUIREMENTS

10) THE CONTRACTOR SHALL PROPERLY HANDLE AND DISPOSE OF ALL ASPHALT PAVEMENT MATERIAL REMOVED ON THE PROJECT BY: BREAKING DOWN TO MAXIMUM 4" SIZE AND PLACING WITHIN NEW ROADWAY PRISM AT LEAST 2 FEET BELOW FINISHED GRADE; RECYCLING; STOCK PILING; AND/OR, HAULING TO AN APPROVED LANDFILL; IN ACCORDANCE WITH THE REGULATIONS OF THE NEW MEXICO SOLID WASTE ACT.

11) ITEMS DESIGNATED FOR REMOVAL WITHOUT SALVAGE, UNSUITABLE CONSTRUCTION MATERIALS AND DEBRIS FROM CLEARING AND GRUBBING, ARE TO BE PLACED IN AN ENVIRONMENTALLY SUITABLE DISPOSAL SITE DECIDED UPON AND COORDINATED BY THE CONTRACTOR, WITH THE APPROPRIATE REGULATORY AGENCIES. THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IN WRITING OF THE DETAILS OF DISPOSAL OPERATIONS. BORROW MATERIAL, ROCK WASTE, VEGETATIVE DEBRIS, ETC., SHALL NOT BE PLACED IN WETLAND AREAS OR AREAS WHICH MAY IMPACT ENDANGERED SPECIES OR ARCHAEOLOGICAL RESOURCES. AN ARCHAEOLOGICAL SURVEY AND ENVIRONMENTAL CLEARANCE SHALL BE OBTAINED BY THE CONTRACTOR BEFORE DISPOSAL SITES ARE ACCEPTED.

HAZARDOUS SPILLS REQUIREMENTS

12) THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING AND CLEANUP OF SPILLS ASSOCIATED WITH PROJECT CONSTRUCTION AND SHALL REPORT AND RESPOND TO SPILLS OF HAZARDOUS MATERIALS SUCH AS GASOLINE, DIESEL, MOTOR OILS, SOLVENTS, CHEMICALS, TOXIC AND CORROSIVE SUBSTANCES, ETC., WHICH MAY BE A THREAT TO PUBLIC HEALTH OR THE ENVIRONMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING DISCOVERIES OF PAST SPILLS AND OF CURRENT SPILLS NOT ASSOCIATED WITH CONSTRUCTION. REPORTS SHALL BE MADE IMMEDIATELY TO THE NM ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE AT 827-4308 OR 470-3657.

ENVIRONMENTAL COMPLIANCE

13) THE CONTRACTOR SHALL COMPLY WITH ALL REGULATIONS OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY, INCLUDING THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEMS (NPDES) PROGRAM. FOR INFORMATION, CONTACT THE NPDES HOTLINE AT (703) 821-4823.

14) THE AIR POLLUTION CONTROL REGULATION OF THE ALBUQUERQUE - BERNALILLO COUNTY AIR QUALITY CONTROL BOARD LIMIT EMISSIONS OF PARTICULATE MATTER AND THE USE OF CUT BACK ASPHALT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CLARIFY THESE RESTRICTIONS WITH THE ENVIRONMENTAL HEALTH DEPARTMENT PRIOR TO SUBMITTAL OF BIDS TO AVOID CONFLICT WITH THE REGULATIONS. CALL THE ENVIRONMENTAL HEALTH DEPARTMENT AT 768-2600.

UTILITIES

15) CAUTION - ALL EXISTING UTILITIES SHOWN REFLECT THE BEST INFORMATION AVAILABLE AND ARE APPROXIMATE ONLY. EXACT DEPTH OF UTILITIES IS UNKNOWN. ADDITIONAL UTILITIES MAY ALSO EXIST WHICH ARE NOT SHOWN.

16) THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES WHEN WORKING NEAR THEIR SYSTEMS. UTILITY COMPANIES SHALL BE GIVEN 48 HOURS (WEEKENDS EXCLUDED) ADVANCE NOTICE FOR LINE LOCATION. CALL NEW MEXICO ONE CALL SYSTEM INC. AT 260-1990 REGARDING LOCATION OF UTILITY LINES.

17) IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES. ANY DAMAGE RESULTING FROM CONSTRUCTION ACTIVITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

18) ALL UTILITY VALVE BOXES, MANHOLES, AND/OR UTILITY POLES WHICH FALL WITHIN CONSTRUCTION ZONE SHALL BE ADJUSTED TO GRADE OR RELOCATED BY THE RESPECTIVE UTILITIES, UNLESS OTHERWISE NOTED ON PLANS. THE CONTRACTOR SHALL COORDINATE SUCH ACTIVITIES IN ORDER TO FACILITATE ADJUSTMENT OR RELOCATION IN A TIMELY MANNER.

GENERAL CONSTRUCTION

19) THE CONTRACTOR IS TO COORDINATE ALL WORK WITH THE PROJECT MANAGER.

20) IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO SECURE AND SUPPLY WATER FOR THE PROJECT. THE COST WILL BE INCIDENTAL TO COMPLETION OF THE PROJECT AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.

21) THE CONTRACTOR SHALL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR RIGHT-OF-WAY LIMITS.

21a.) ALL EXISTING TREES, SHRUBS AND TURF ON AN EXISTING IRRIGATION SYSTEM SHALL BE PROTECTED AND WATERED DURING CONSTRUCTION; ANY VARIANCE SHALL BE CLEARED THROUGH THE PROJECT MANAGER. REMOVAL OF ANY OTHER EXISTING NON-IRRIGATED TREES OR SHRUBS NECESSARY TO COMPLETE THE PROJECT SHALL BE COORDINATED WITH AND APPROVED BY THE PROJECT MANAGER PRIOR TO ANY REMOVALS.

21b.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THE PROJECT. ADDITIONAL REMOVALS NOT SHOWN ON THE PLANS MAY BE DESIGNATED BY THE PROJECT MANAGER. ALL REMOVALS, UNLESS OTHERWISE INDICATED WILL BE INCIDENTAL TO BID ITEM 0201.01-SITE CLEARING AND GRUBBING.

21c.) ANY SALVAGEABLE MATERIALS REMOVED FROM THIS PROJECT SHALL BE HAULED AND STOCK PILED AT A LOCAL LOCATION DETERMINED BY PROJECT MANAGER. HAUL OF SUCH MATERIALS SHALL BE INCIDENTAL TO BID ITEM 0201.01-SITE CLEARING AND GRUBBING.

22) THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY HIM TO EXISTING WALLS, FENCES, SIDEWALKS, TRAIL SURFACES, IRRIGATION LINES, VALVE BOXES, MANHOLES, CURB AND GUTTER ETC. DURING CONSTRUCTION AND SHALL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTATION OF ANY EXISTING DAMAGE PRIOR TO START OF CONSTRUCTION.

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

24) FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE COA STANDARD SPECIFICATIONS.

25) THE CONTRACTOR SHALL BE THE RESPONSIBLE PARTY FOR THE IMPLEMENTATION AND MAINTENANCE OF ALL TRAFFIC CONTROL PROCEDURES AND MATERIALS. THE CONTRACTOR SHALL HAVE PERSONNEL AVAILABLE 24 HOURS PER DAY, SEVEN (7) DAYS PER WEEK TO INSPECT AND MAINTAIN TRAFFIC CONTROL DEVICES AS DIRECTED BY THE PROJECT ENGINEER.

26) THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN A TRAFFIC CONTROL DIARY, WHICH SHALL BE AVAILABLE FOR REVIEW BY THE CITY PROJECT MANAGER. COST OF THIS WORK IS TO BE INCLUDED IN THE UNIT BID PRICE FOR BID ITEM 0019.01 CONSTRUCTION TRAFFIC CONTROL.

27) ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.

28) ALL SIGNS AND CODING WILL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS - "TRAFFIC CONTROL DEVICES FOR BICYCLE FACILITIES," PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION. COORDINATE LOCATION FOR NEW SIGNS AND/OR POSTS WITH ENGINEER.

29) WHEN ABUTTING NEW PAVEMENT TO EXISTING INTERSECTING ASPHALT, SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AND AT RIGHT ANGLES TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING.

30) WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE BACK TO NEAREST SUITABLE JOINT UNLESS OTHERWISE NOTED.

31) REMOVE AND REPLACE PAVEMENT 1' WIDE ADJACENT TO LIP OF GUTTER WHEN CONSTRUCTING CURB AND GUTTER ADJACENT TO EXISTING ASPHALT CONCRETE PAVEMENT. REFERENCE COA STANDARD DRAWING #2415.

32) THE FINAL SURFACE OF THE REPLACED PAVEMENT AND GUTTER SHALL CONFORM TO A GRADE LINE SET BY THE CONTRACTOR SUCH THAT THE PAVEMENT AND GUTTER WILL READILY DRAIN AND DOES NOT VARY SIGNIFICANTLY FROM ADJACENT EXISTING GRADES.

33) APPLY 4" YELLOW REFLECTIVE STRIPE TO CENTERLINE OF ASPHALT TRAIL; SOLID FOR 50 FEET BACK FROM TOP OF CONCRETE RAMPS AT INTERSECTIONS, DASHED FOR REMAINDER OF TRAIL. (SPUR TRAIL CONNECTIONS NEED NOT BE STRIPED.)

34) UPON COMPLETION OF CONSTRUCTION ALL AREAS WITHIN PROJECT LIMITS WHICH ARE DISTURBED OR ARE TO BE REVEGETATED SHALL BE SEEDED IN ACCORDANCE WITH SECTION 1012 - "NATIVE PLANT SEEDING" OF THE STANDARD SPECIFICATIONS, EXCEPT AS MODIFIED HEREIN.

35) THE CONTRACTOR SHALL MAINTAIN AN UP-TO-DATE SET OF AS-BUILT PLANS FOR THE PROJECT. THESE SHALL BE KEPT CURRENT WITHIN TWO WEEKS AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE PROJECT ENGINEER THROUGHOUT THE PROJECT. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE PROJECT ENGINEER PRIOR TO FINAL PAYMENT.

36) QUANTITIES SHOWN HEREIN, FOR THE VARIOUS BID ITEMS, ARE FOR THE CONTRACTOR'S INFORMATION ONLY. PAYMENT SHALL BE BASED ON ACTUAL QUANTITIES AS CONSTRUCTED.

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

CONSTRUCTION STAKING

38) BID ITEM 004.01 CONSTRUCTION STAKING SHALL INCLUDE ALL SURVEYING AND CONTROL STAKING NECESSARY TO ESTABLISH PROJECT CENTERLINE, TOE OF SLOPE CATCH POINTS AND OTHER FEATURES AS REQUIRED FOR CONSTRUCTION OF THE PROJECT.

CONSTRUCTION SURVEYING

39) THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND RECORDING ALL EXISTING AND FINAL GRADES BY CROSS-SECTIONING OR OTHER MEANS, FOR THE PURPOSE OF DETERMINING EARTHWORK QUANTITIES. THESE RECORDS WILL BE SUBJECT TO REVIEW BY THE CITY AND/OR ENGINEER FOR VERIFICATION OF PAY QUANTITIES.

UTILITY CONTACTS

BUSINESS	NAME	PHONE NUMBER
PNM-ELECTRIC	BLAKE FORBES	848-2973
PNM-GAS	~~KELLY BOUSKA~~	241-7752 ~~VS~~ ELISABETH GABEL
COMCAST	RITA ERICKSON	761-6235

AS BUILT INFORMATION
CONTRACTOR Sar Paving
WORK STAKED BY Blue Sky DATE 4/03
ASBUILTED BY Chron DATE 5/03
FIELD VERIFICATION BY (1st) Blue Sky DATE 5/03
FIELD VERIFICATION BY (2nd) ENO DATE 12/03
DRAWINGS CORRECTED BY Paul CAO DATE 12/03
MICRO-FILM INFORMATION
RECORDED BY DATE
XX COA Inspector:
O. Cardona

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL
PAUL O. WEBB NEW MEXICO 11121 REGISTERED PROFESSIONAL ENGINEER

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 64446.02 0205

RECORD DRAWINGS
Revisions by CVO Date 12/09/04
THESE RECORDS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OR COMPONENT, NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS, WHICH HAVE BEEN INCORPORATED INTO THE DRAWINGS.

NO.	DATE	REMARKS	BY
		REVISIONS DESIGN	
		DESIGNED BY RMO	DATE 7/13/01
		DRAWN BY RMO	DATE 7/2/01
		CHECKED BY	DATE 4/15/02

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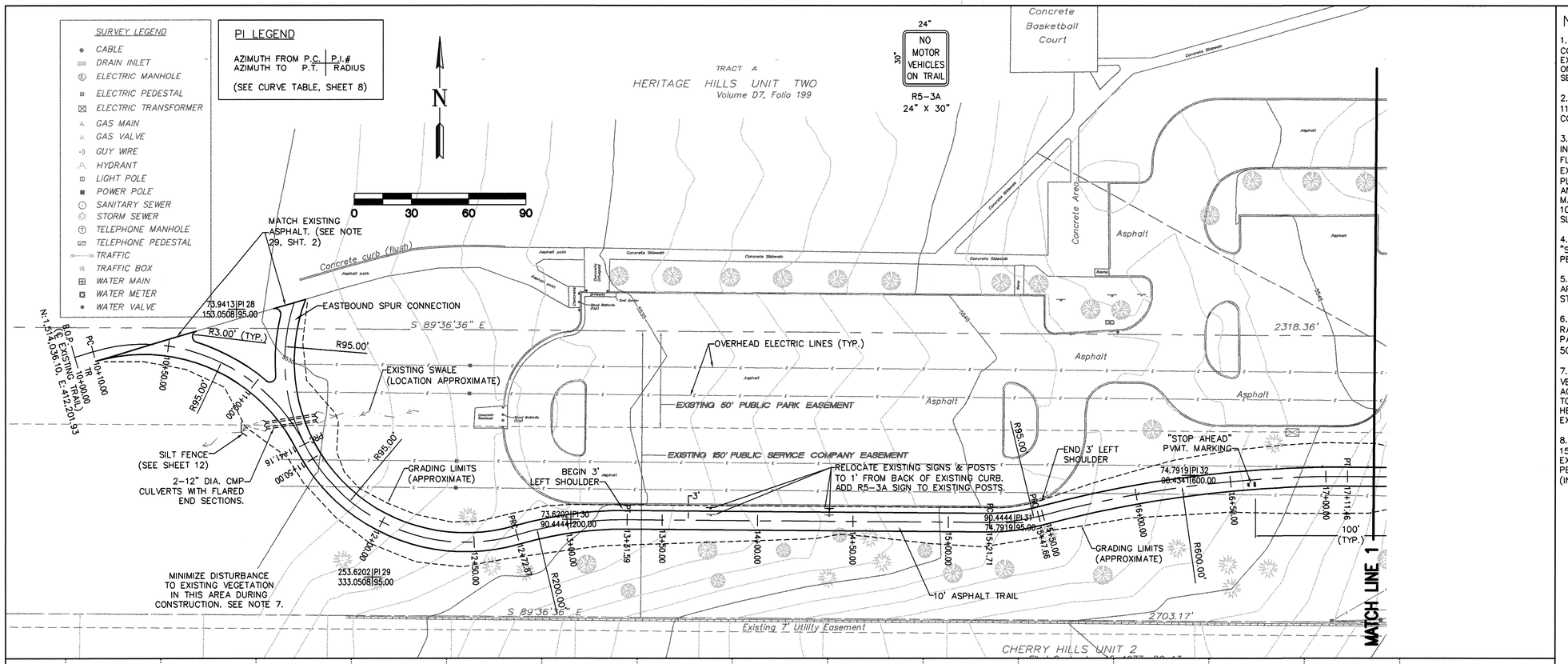
CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
PLANNING AND DESIGN DIVISION

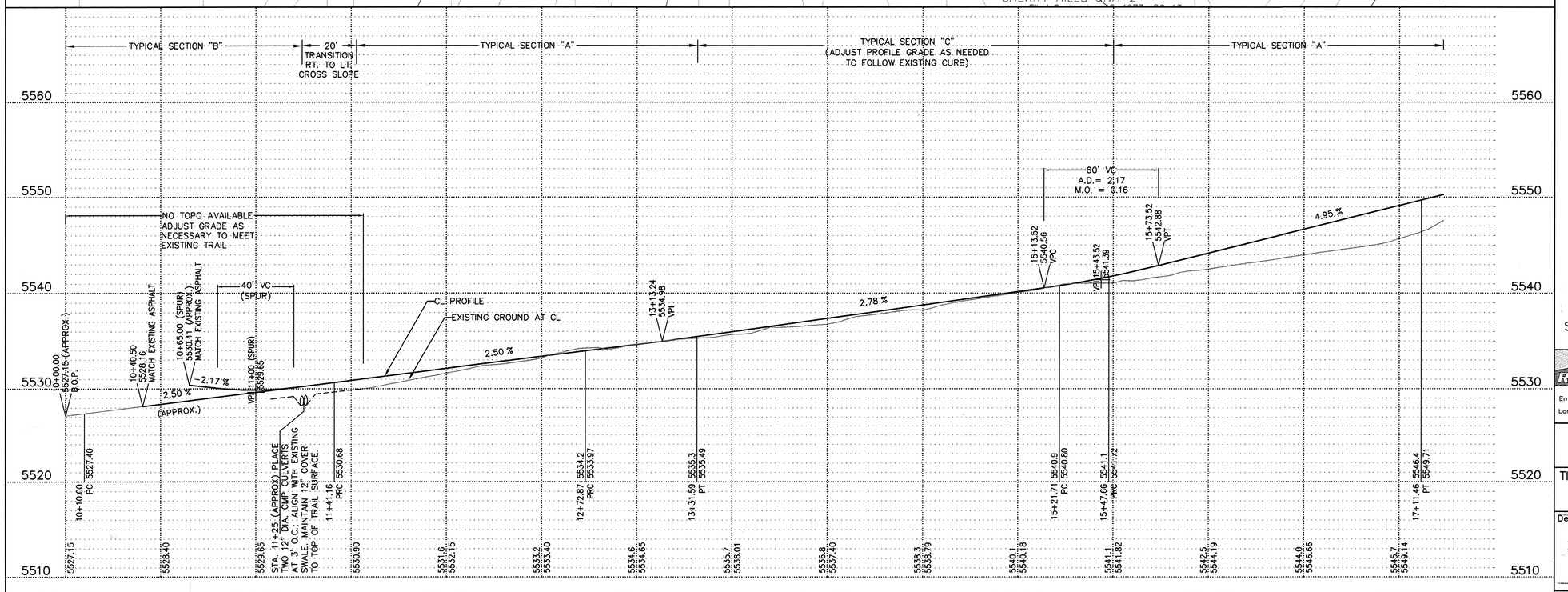
TITLE: COA TRAILS 2001
SAN ANTONIO CORRIDOR TRAIL
GENERAL NOTES

Design Review Committee: APPROVED MAY 24 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAY 24 2002 CITY ENGINEER

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

PROJECT NO. 644602
MAP NO. E-20
SHEET 2 OF 17





NOTES:

1. STA. 10+10.00 (OFFSET 5' RT.)–BEGIN CONSTRUCTION OF 10' ASPHALT TRAIL ABUTTING EXISTING ASPHALT TRAIL. SEE CURVE REPORT ON SHEET 8 FOR FULL ALIGNMENT GEOMETRY. SEE SHT. 9 FOR TYPICAL SECTIONS.

2. STA. 10+93.43 (OFFSET 46' LT.) TO STA. 11+41.16 (C.L.)–BUILD 10' ASPHALT SPUR CONNECTION TO EXISTING ASPHALT TRAIL.

3. STA. 11+25 (APPROX.) 13' RT. TO 13' LT. – INSTALL TWO 12" DIA. CMP CULVERTS WITH FLARED END SECTIONS, 36" O.C., ALIGNED WITH EXISTING DRAINAGE SWALE. (COORDINATE FINAL PLACEMENT WITH PROJECT ENGINEER.) WIDEN AND GRADE EXISTING SWALE AS NEEDED TO MATCH INVERTS OF NEW CULVERT PIPES AT MAX. 10H:1V CHANNEL SLOPE AND 4H:1V SIDE SLOPES. SEE DETAILS, SHT. 9.

4. STA. 16+60 (APPROX.), 2.5' RT. – APPLY "STOP AHEAD" REFLECTIVE PAVEMENT MARKING PER DETAILS, SHEET 10.

5. STA. 10+00 (B.O.P.) TO STA. 17+13.75 – APPLY 4" DASHED YELLOW REFLECTIVE PAINTED STRIPE ALONG CENTERLINE OF TRAIL.

6. STA. 17+13.75 TO STA. 17+63.75 (TOP OF RAMP) – APPLY 4" SOLID YELLOW REFLECTIVE PAINTED STRIPE ALONG CENTERLINE OF TRAIL, 50' BACK FROM TOP OF CONCRETE RAMP.

7. STA. 10+00 TO STA.17+70 (B.O.P. TO VENTURA) – COORDINATE CONSTRUCTION ACTIVITIES WITH COA PARK MAINTENANCE DEPT. TO AVOID DAMAGE TO EXISTING SPRINKLER HEADS IN NATIVE GRASS AREAS. PROTECT ALL EXISTING TREES, PHONE #857–8650.

8. STA. 14+43 (7' RT.), 14+59 (8' RT.), AND 15+50 (10' RT.) – COORDINATE PRUNING OF EXISTING TREES WITH PARK MAINTENANCE PERSONNEL TO PROVIDE CLEARANCE FOR TRAIL (INCIDENTAL TO CONSTRUCTION).

AS BUILT INFORMATION
CONTRACTOR: Sol Paving DATE: 7/6/02
WORK STAKED BY: Blue Sky DATE: 7/6/02
INSPECTOR (COA): D. Adams DATE: 7/6/02
ACCEPTANCE (COA): ENG DATE: 7/6/02
VERIFICATION (COA): ENG DATE: 7/6/02
DRAWINGS CORRECTED BY: RMO/LVO DATE: 7/9/02
MICRO-FILM INFORMATION
RECORDED BY: COA Engineer / D. Cheetham
DATE:

BENCH MARKS
STATION NAME: 13-D21
LOCATED ON TOP OF THE WEST CURB OF EUBANK BLVD. NE 26.5' NORTH OF THE CENTERLINE OF SANTA MONICA AVE. NE.
NORTHING: 1,514,010.29
EASTING: 418,042.94
ELEVATION: 5717.09' NGVD 1929

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE
4/01 | SURV-TEK, INC.

ENGINEERS SEAL
NEW MEXICO
STATE OF
REGISTERED PROFESSIONAL ENGINEER
Signature 5/9/02

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 64446.02 0305

RECORD DRAWINGS
Revisions by CVO Date 12/09/04
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SCALE: 1"=30' HORIZ.
1"=5' VERT.

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY RMO DATE 7/13/01	
		DRAWN BY RMO/JJG DATE 9/19/01	
		CHECKED BY EVD DATE 4/5/02	

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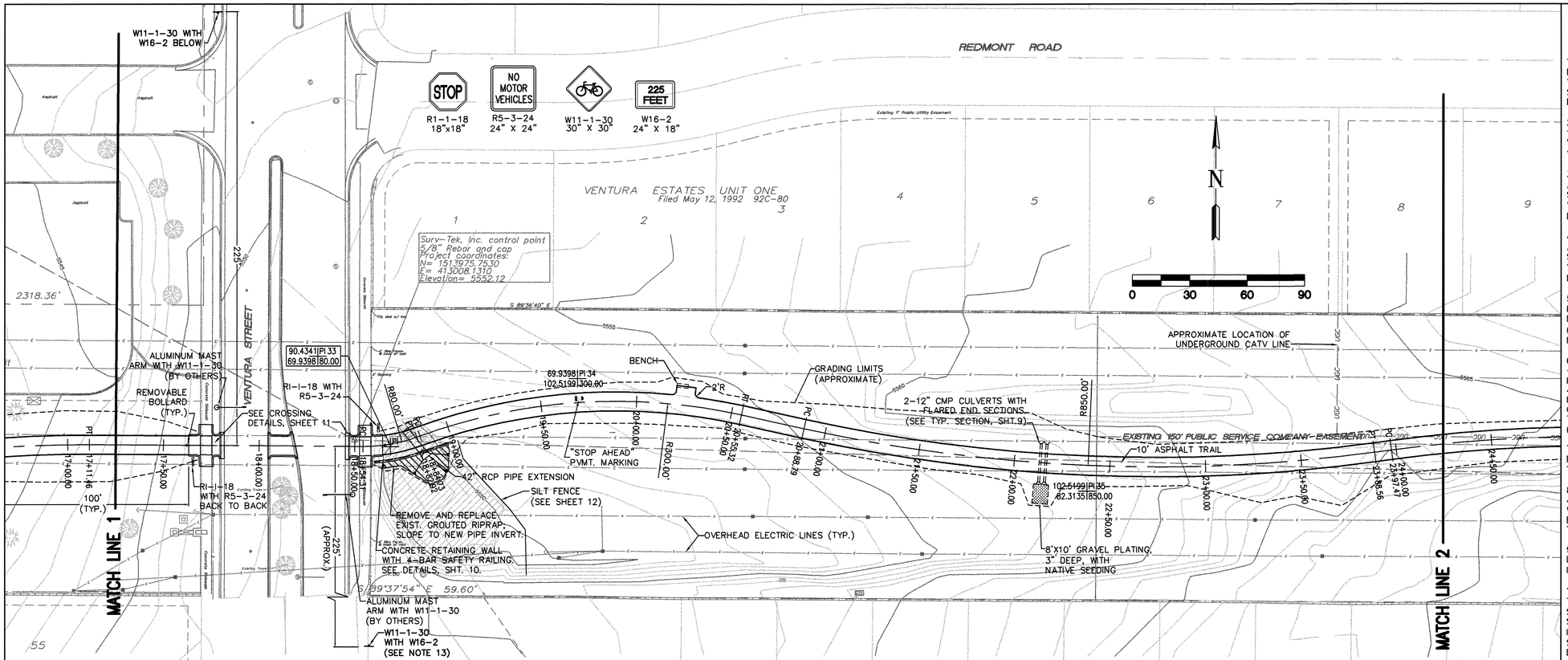
CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
PLANNING AND DESIGN DIVISION

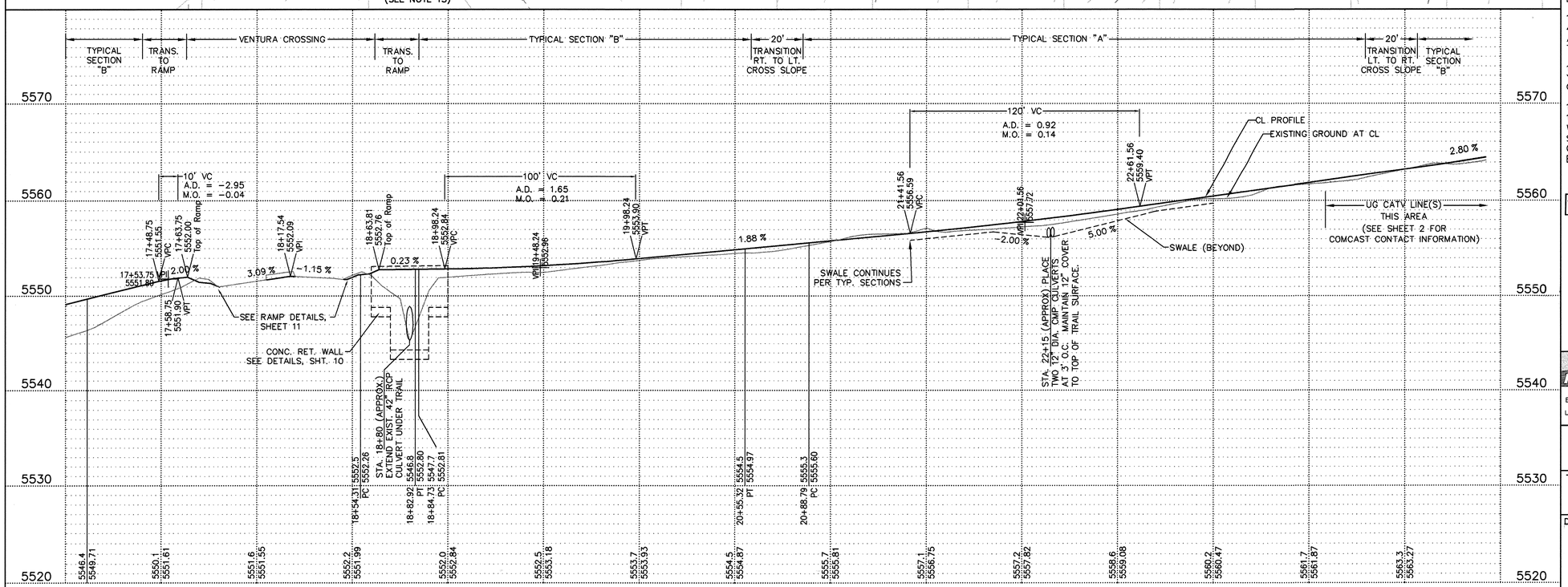
TITLE: COA TRAILS 2001
SAN ANTONIO CORRIDOR TRAIL
PLAN AND PROFILE

Design Review Committee: APPROVED MAY 2 4 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAY 2 4 2002 CITY ENGINEER

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

PROJECT NO. 644602 | MAP NO. E-20 | SHEET 3 OF 17





NOTES:

1. STA. 17+63.25 – INSTALL REMOVABLE BOLLARD AT CENTERLINE OF TRAIL (6" FROM TOP OF RAMP) PER COA STD. DWG. 2250. SEE SHEET 10 FOR STRIPING DETAIL AROUND BOLLARD.

2. STA. 17+66.75 (OFFSET 8' RT.) AND STA. 18+60.81 (OFFSET 8' LT.) – INSTALL R1-1-18 "STOP" SIGN AND R5-3-24 "NO MOTOR VEHICLES" SIGN 3' FROM FACE OF EACH CURB.

3. STA. 17+77.50 (OFFSET 20' LT.) – ALUMINUM MAST ARM WITH W11-1-30 "BICYCLE" SYMBOL SIGN CENTERED OVER SOUTHBOUND VENTURA TRAFFIC LANES. (BY COA TRAFFIC DEPT.)

4. STA. 18+50.00 (OFFSET 25' RT.) – ALUMINUM MAST ARM WITH W11-1-30 "BICYCLE SYMBOL SIGN CENTERED OVER NORTHBOUND VENTURA TRAFFIC LANES. (BY COA TRAFFIC DEPT.)

5. STA. 18+59 (OFFSET 11' RT. TO 11' LT.) – REMOVE 22' LF. EXISTING WIRE FENCE AS NEEDED TO ACCOMMODATE NEW TRAIL RAMP. (FENCE TO BE REPLACED WITH HIGH-TENSILE FENCE, BY OTHERS)

6. STA. 18+60 TO STA. 19+00 (OFFSET 8' RT.) – BUILD 40 LF. CONCRETE RETAINING WALL WITH PIPE PENETRATION (SEE NOTE 7 BELOW) AND 4-BAR SAFETY RAIL. SEE SHEETS 10 AND 11 FOR DETAILS. REMOVE AND REPLACE EXISTING GROUTED RIPRAP AS NECESSARY TO TRANSITION TO NEW PIPE INVERT AT 6H:1V CHANNEL SLOPE (1.5H:1V MAX. SIDE SLOPE)

7. STA. 18+64.31 – INSTALL REMOVABLE BOLLARD AT CENTERLINE OF TRAIL (6" FROM TOP OF CONC. RAMP) PER COA STD. DWG. 2250.

8. STA. 18+80 (APPROX.) – EXTEND EXISTING 42" RCP CULVERT THROUGH NEW RETAINING WALL. RELOCATE EXISTING BEVELED END TO NEW END OF PIPE. SLOPE RIPRAP AWAY FROM WALL TO DIRECT DRAINAGE INTO FLARED END.

9. STA. 20+25 (5' LT.) – BUILD 5' WDE BY 10' LONG ASPHALT PAD ADJACENT TO TRAIL, AND INSTALL 6' BENCH. SEE SHEET 11 FOR DETAILS.

10. STA. 22+15 (10' RT. TO 10' LT.) – INSTALL TWO 12" CMP CULVERTS WITH FLARED END SECTIONS. MAINTAIN MIN. 12" COVER TO TRAIL SURFACE. GRADE NORTH SWALE TO MATCH PIPE INVERTS (5% MAX. CHANNEL SLOPE, 4H:1V SIDE SLOPES). PROVIDE SMOOTH TRANSITION TO EXISTING GROUND AT PIPE OUTFALL.

11. STA. 18+63.81 TO STA. 19+13.81 – APPLY 4" SOLID YELLOW REFLECTIVE PAINTED STRIPE ALONG CENTERLINE OF TRAIL, 50' BACK FROM TOP OF CONC. RAMP.

12. STA. 19+14 TO E.O.P. – APPLY 4" DASHED YELLOW REFLECTIVE PAINTED STRIPING ALONG CENTERLINE OF TRAIL.

13. STA. 17+77.50 (OFFSET 225' LT.) AND STA. 18+50.00 (OFFSET 225' RT.) – INSTALL W11-1-30 "BICYCLE" AND W16-2 "225 FEET" SIGNS ON STEEL POST 3' FROM BACK OF CURB OR SIDEWALK. COORDINATE PLACEMENT WITH ENGINEER.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6446.02 0405

Revisions by EVD Date 12/09/04

RECORD DRAWINGS

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SCALE: 1"=30' HORIZ.
1"=5' VERT.

AS BUILT INFORMATION
CONTRACTOR Jaz Paving
WORK STAKED BY Blue Sky DATE 11/6/03
ACCEPTANCE INSPECTION BY M.D. Cardon DATE 5/6/03
FIELD LOCATION BY ESD, P.E.C. DATE 9/6/03
DRAWINGS CORRECTED BY ESD, P.E.C. DATE 12/9/04
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
STATION NAME: 13-D21
LOCATED ON TOP OF THE CURB OF EUBANK BLVD. NE 26.5' NORTH OF THE CENTERLINE OF SANTA MONICA AVE. NE.
NORTHING: 1,514,010.29
EASTING: 418,042.94
ELEVATION: 5717.09' NGVD 1929

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE
SURV-TEK, INC. | 4/01

ENGINEERS SEAL

NO.	DATE	REMARKS	BY
		REVISIONS: DESIGN	
		DESIGNED BY RMO	DATE 7/13/01
		DRAWN BY RMO/JJG	DATE 9/19/01
		CHECKED BY EVD	DATE 4/15/02

Resource Technology, Inc.
Civil Engineering
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Landscape Architecture
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5501 Jefferson Blvd. NE, Suite 200
Albuquerque, New Mexico 87109
E-mail: rti@nm.net
Telephone: (505) 243-7300
Facsimile: (505) 243-7400

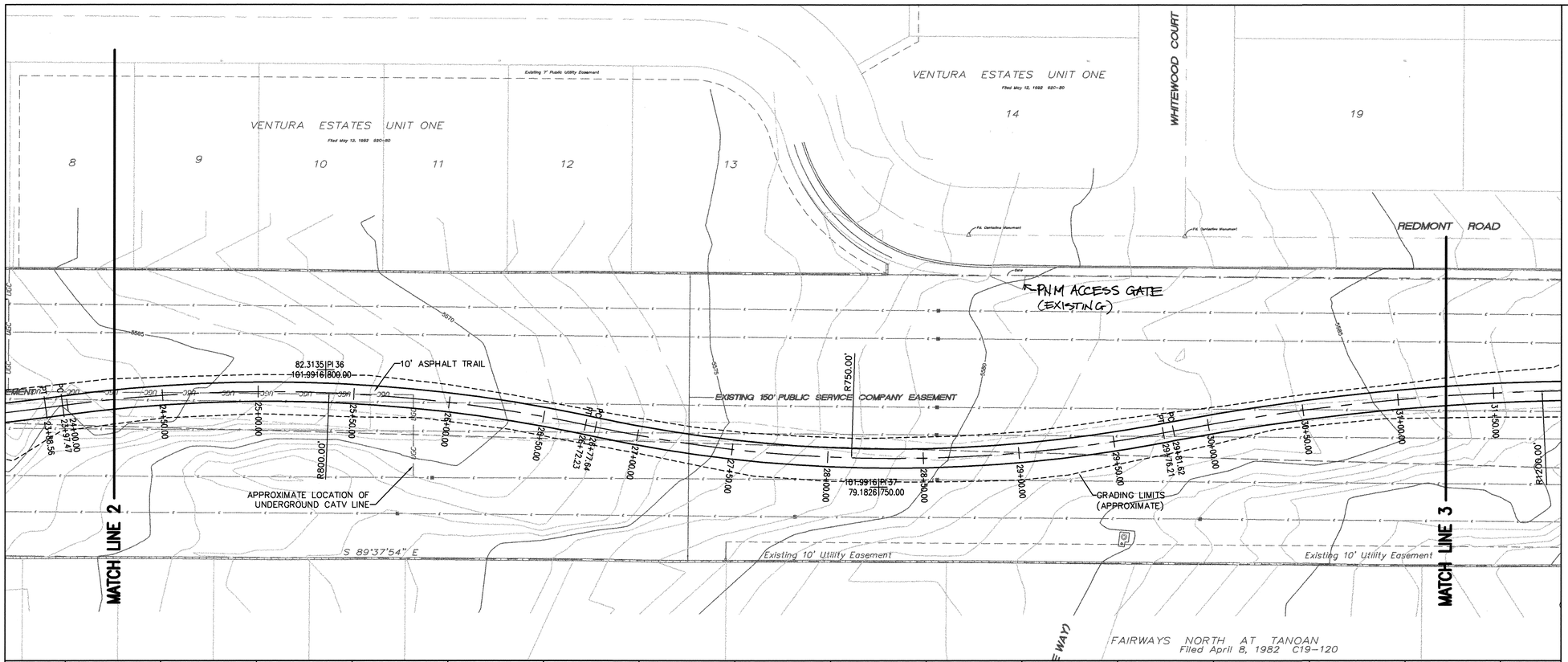
CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
PLANNING AND DESIGN DIVISION

TITLE: COA TRAILS 2001
SAN ANTONIO CORRIDOR TRAIL
PLAN AND PROFILE

Design Review Committee: APPROVED MAY 24 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAY 24 2002 CITY ENGINEER

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

PROJECT NO. 644602 | MAP NO. E-20 | SHEET 4 OF 17



AS BUILT INFORMATION

CONTRACTOR Star Paving DATE 4/5/02
MARKED BY Blue Sky DATE 4/5/02
INSPECTOR'S CHECK Todd Cadman DATE 4/5/02
FIELD VERIFICATION BY PMO DATE 5/6/02
AS-BUILTS CORRECTED BY PMO/CVO DATE 12/9/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

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LOCATED ON TOP OF THE CURB OF EUBANK BLVD. NE 26.5' NORTH OF THE CENTERLINE OF SANTA MONICA AVE. NE.
NORTHING: 1,514,010.29
EASTING: 418,042.94
ELEVATION: 5717.09' NGVD 1929

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	SURV-TEK, INC.	4/01

ENGINEERS SEAL

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RECORD DRAWINGS
Revisions by CVO Date 12/09/04
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		DESIGN	
		DESIGNED BY RMO	DATE 7/13/01
		DRAWN BY RMO/JJG	DATE 9/19/01
		CHECKED BY EVD	DATE 4/5/02

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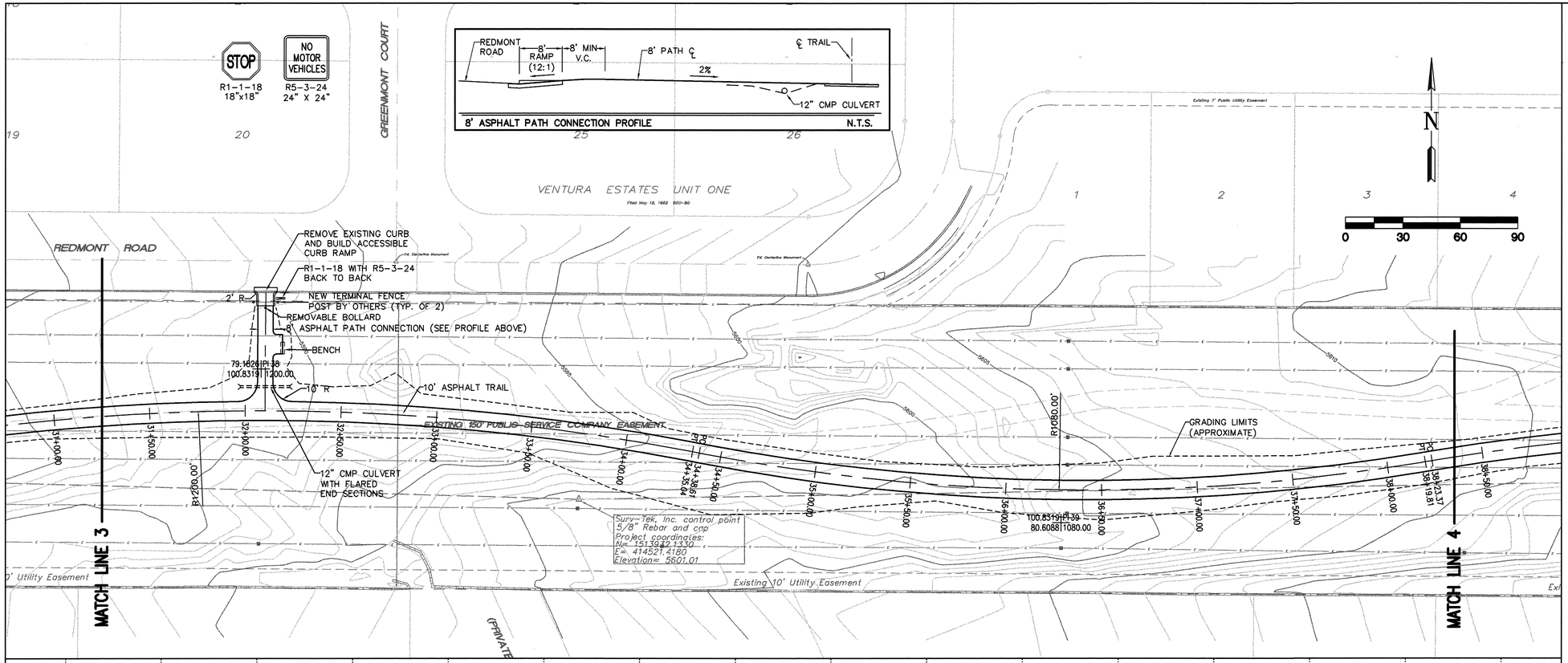
CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
PLANNING AND DESIGN DIVISION

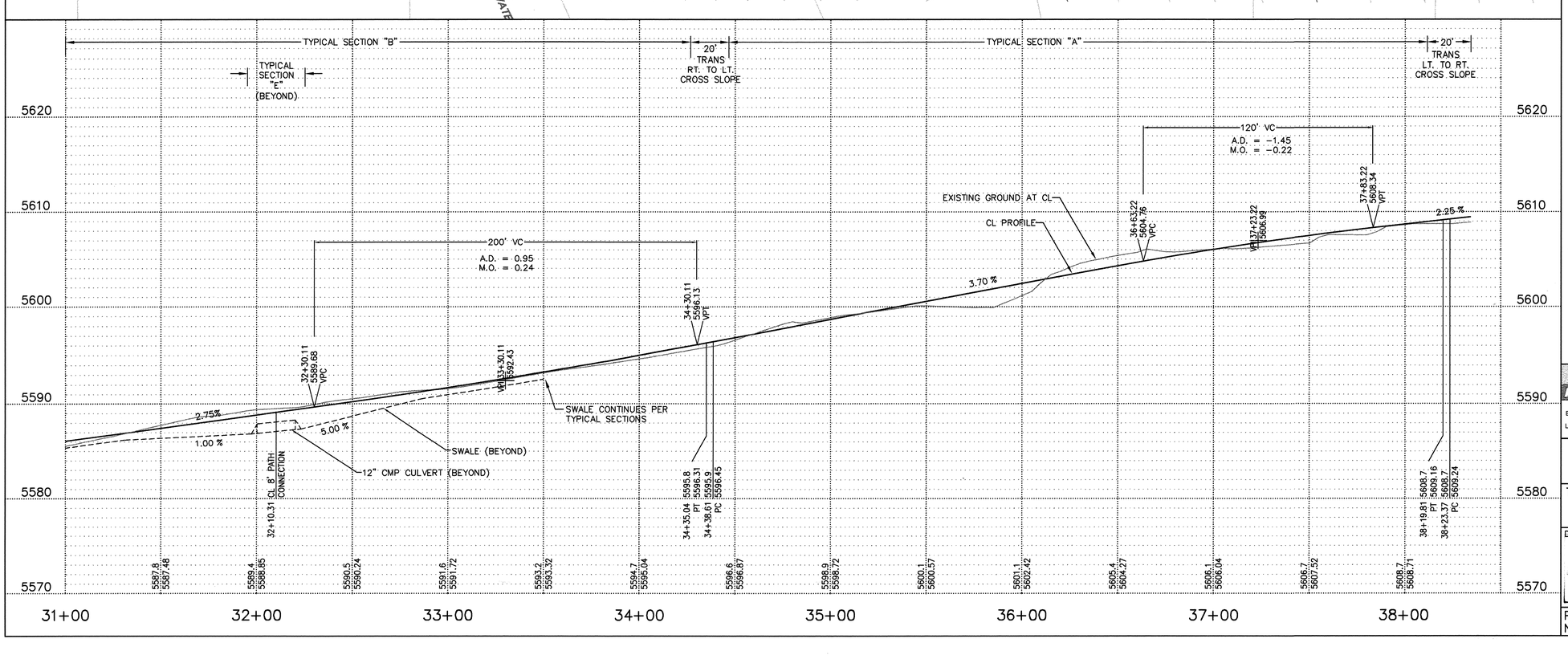
TITLE: **COA TRAILS 2001**
SAN ANTONIO CORRIDOR TRAIL
PLAN AND PROFILE

Design Review Committee: APPROVED MAY 24 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAY 24 2002 CITY ENGINEER

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

PROJECT NO. 644602
MAP NO. E-20
SHEET 5 OF 17





NOTES:

1. STA. 32+10.31 (LT.) – BUILD 8' ASPHALT PATH CONNECTION TO REDMONT ROAD PER SECTION "E", SHEET 9, AND PROFILE AT LEFT. BUILD ACCESSIBLE CONCRETE RAMP AT EXISTING CURB, 12H:1V MAX. GRADE (SIMILAR TO DETAILS ON PAGE 11). REMOVE EXISTING WIRE FENCE AS NEEDED TO ACCOMMODATE NEW RAMP. INSTALL REMOVABLE BOLLARD AT CENTERLINE OF PATH, 6" FROM TOP OF RAMP.

2. STA. 32+00.31 TO STA. 32+20.31 (OFFSET 12' LT., APPROX.) – INSTALL 20' CMP CULVERT BENEATH 8' PATH CONNECTION. SEE TYPICAL PIPE SECTION DETAIL ON SHEET 9.

3. STA. 32+14.31 (OFFSET 35' LT.) – BUILD 5' WIDE BY 10' LONG ASPHALT PAD ADJACENT TO 8' TRAIL SPUR. INSTALL 6' BENCH PER DETAILS ON SHEET 11.

4. STA. 32+17.31 (OFFSET 59' LT.) – INSTALL R1-1-18 "STOP" AND R5-3-24 "NO MOTOR VEHICLES" SIGNS BACK-TO-BACK ON POST 3' FROM BACK OF RAMP AND STREET CURBS.

5. STA. 28+30 (95' LT.) TO STA. 35+16 (90' LT.) – COA PARKS TO REPLACE EXISTING WIRE FENCE WITH NEW HIGH-TENSILE WIRE FENCE. (NOT IN CONTRACT).

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	SURV-TEK, INC.	4/01

AS BUILT INFORMATION
CONTRACTOR Star Paving
WORK STAKED BY Blue Sky DATE 5/03
AS-BUILTED BY Gerald Carmona DATE 5/03
FIELD CHECKED BY Ed Pino DATE 5/03
DRAWINGS CORRECTED BY Ernie Cruz DATE 12/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION NAME: 13-D21
LOCATED ON TOP OF THE CURB OF EUBANK BLVD. NE 26.5' NORTH OF THE CENTERLINE OF SANTA MONICA AVE. NE.
NORTHING: 1,514,010.29
EASTING: 418,042.94
ELEVATION: 5717.09' NGVD 1929

ENGINEERS SEAL
EDWARD MAC DILLON 7767 REGISTERED PROFESSIONAL ENGINEER

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 64 46. 02 06 05

RECORD DRAWINGS
Revisions by CND Date 12/09/04
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SCALE: 1"=30' HORIZ.
1"=5' VERT.

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY RMO DATE 7/13/01
DRAWN BY RMO/JJG DATE 9/19/01
CHECKED BY EVD DATE 4/15/02

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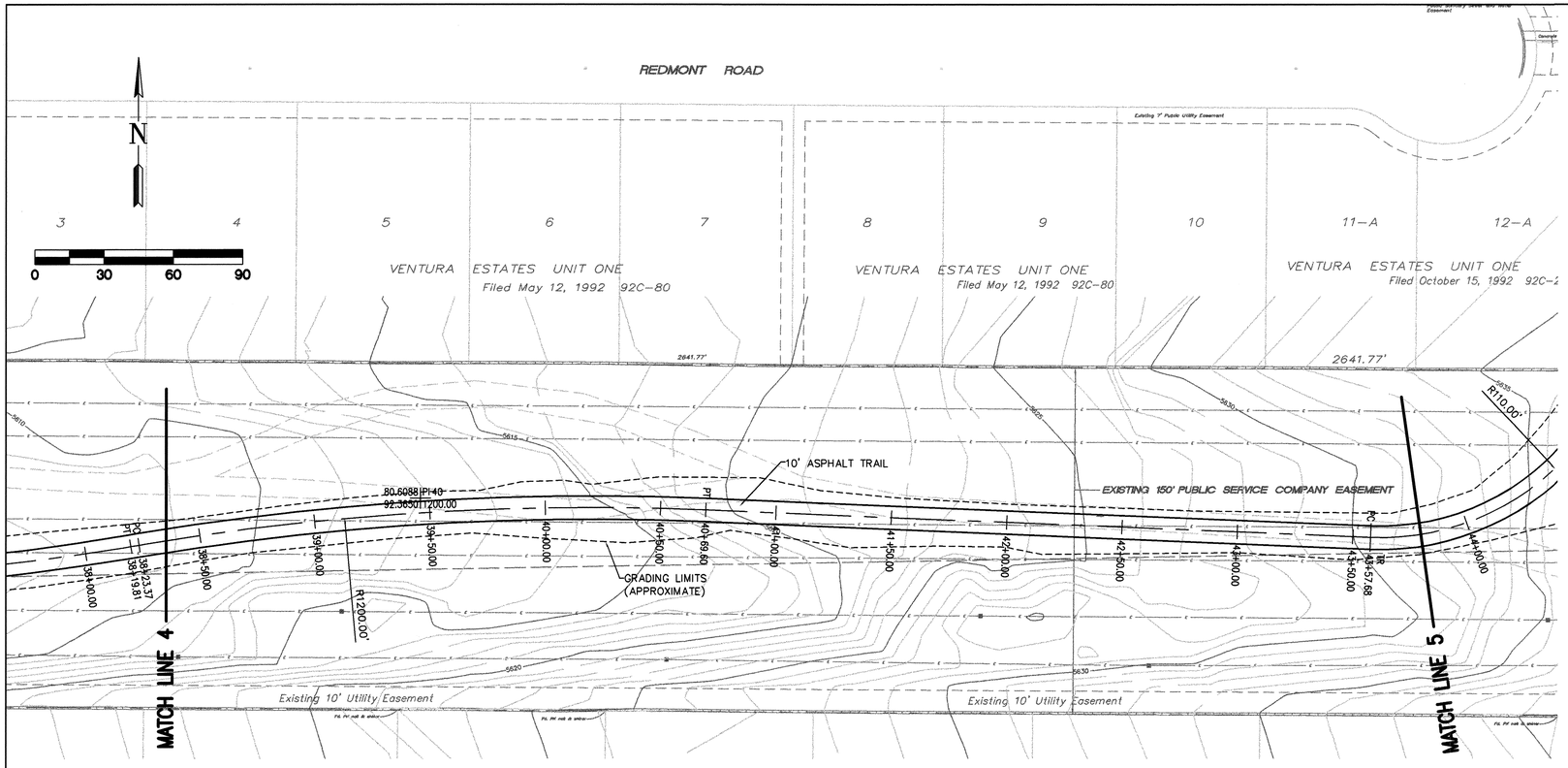
CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
PLANNING AND DESIGN DIVISION

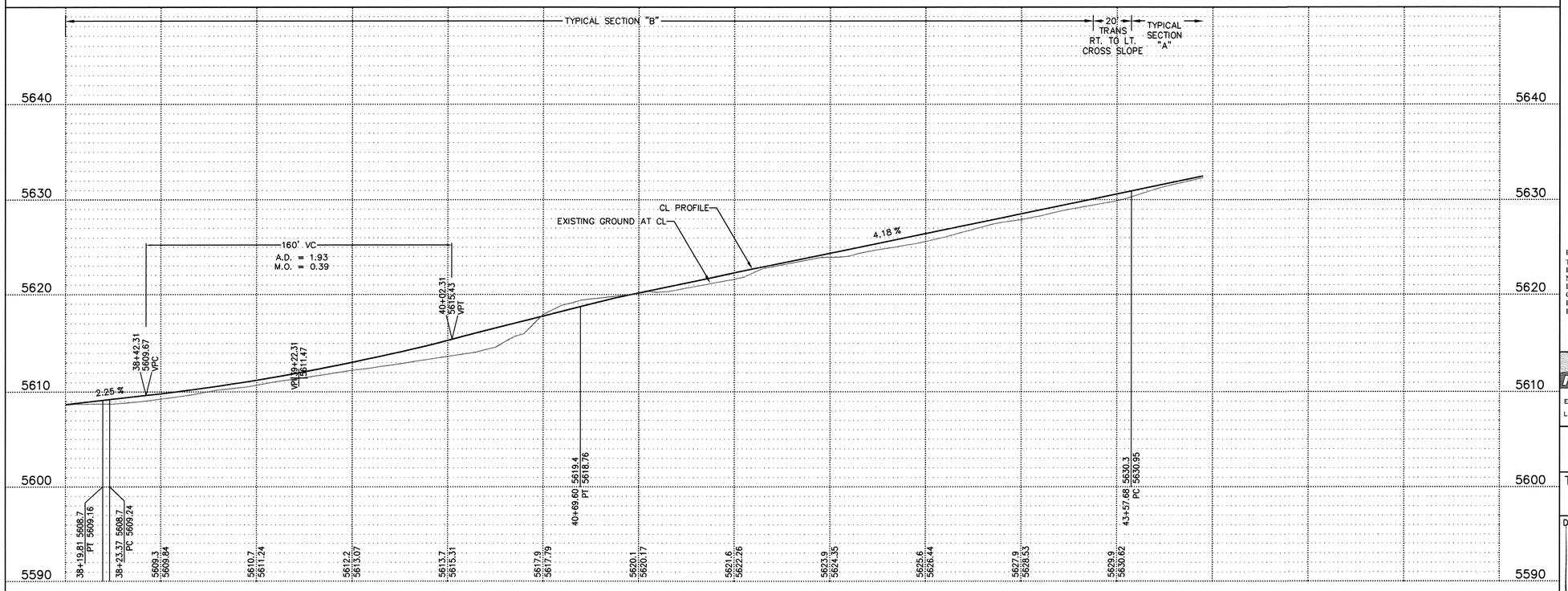
TITLE: **COA TRAILS 2001**
SAN ANTONIO CORRIDOR TRAIL
PLAN AND PROFILE

Design Review Committee: APPROVED MAY 24 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAY 24 2002 CITY ENGINEER

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

PROJECT NO. 644602
MAP NO. E-20
SHEET 6 OF 17





SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	SURV-TEK, INC.	4/01

BENCH MARKS
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EASTING: 418,042.94
ELEVATION: 5717.09' NGVD 1929

AS BUILT INFORMATION
CONTRACTOR San Pavia DATE 7/13/01
WORK INSPECTED BY The Sky DATE 9/19/01
INSPECTED AS BUILT BY Ted D'Lamar DATE 9/26/01
PLOTTED BY Ernie DATE 9/26/01
VERIFICATION BY Ernie DATE 9/26/01
CORRECTED BY Ernie Lee DATE 9/26/01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
10705

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6446.082 0705

RECORD DRAWINGS
Revisions by CJO Date 12/09/04
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DESIGNED BY RMO DATE 7/13/01
DRAWN BY RMO/JJG DATE 9/19/01
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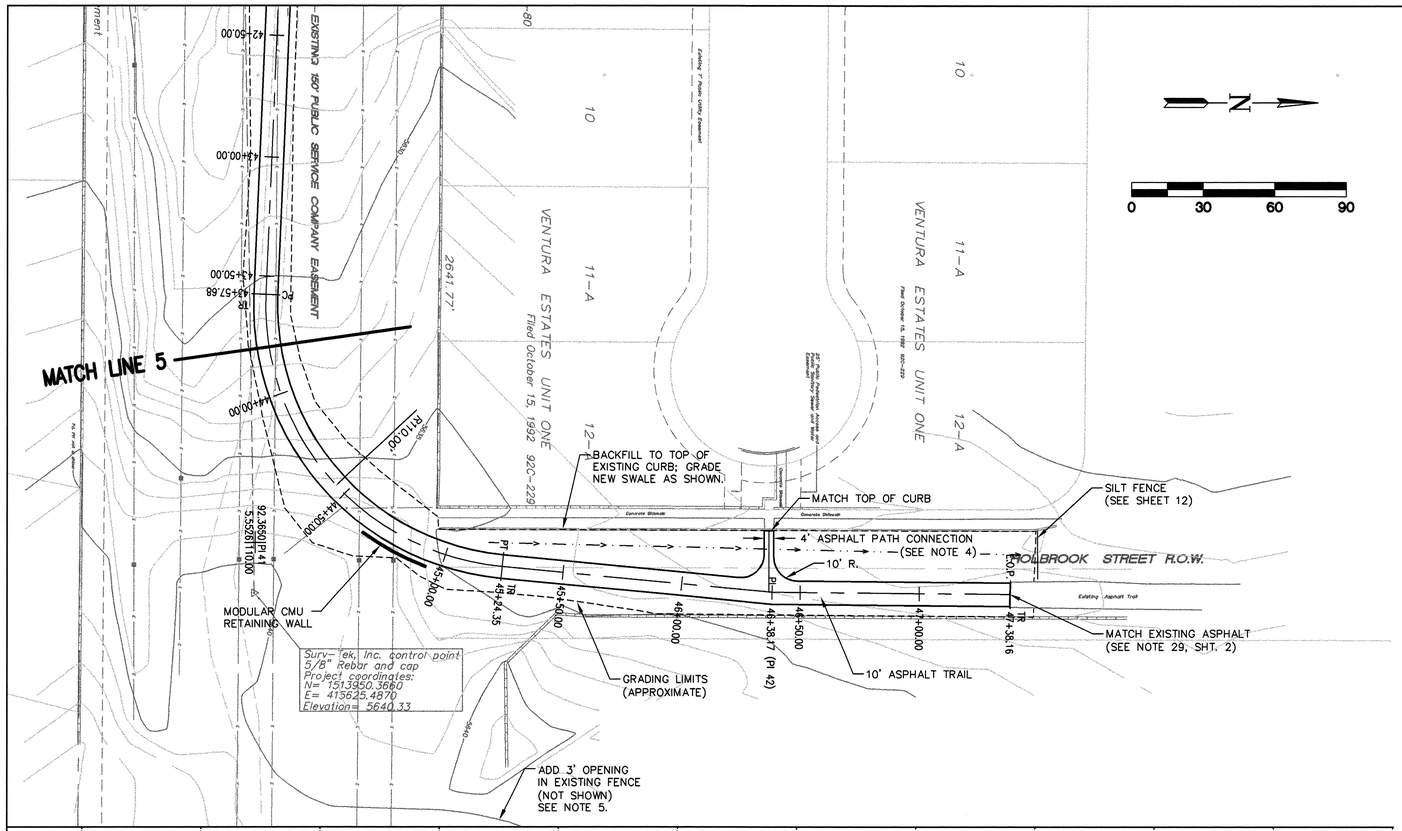
CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
PLANNING AND DESIGN DIVISION

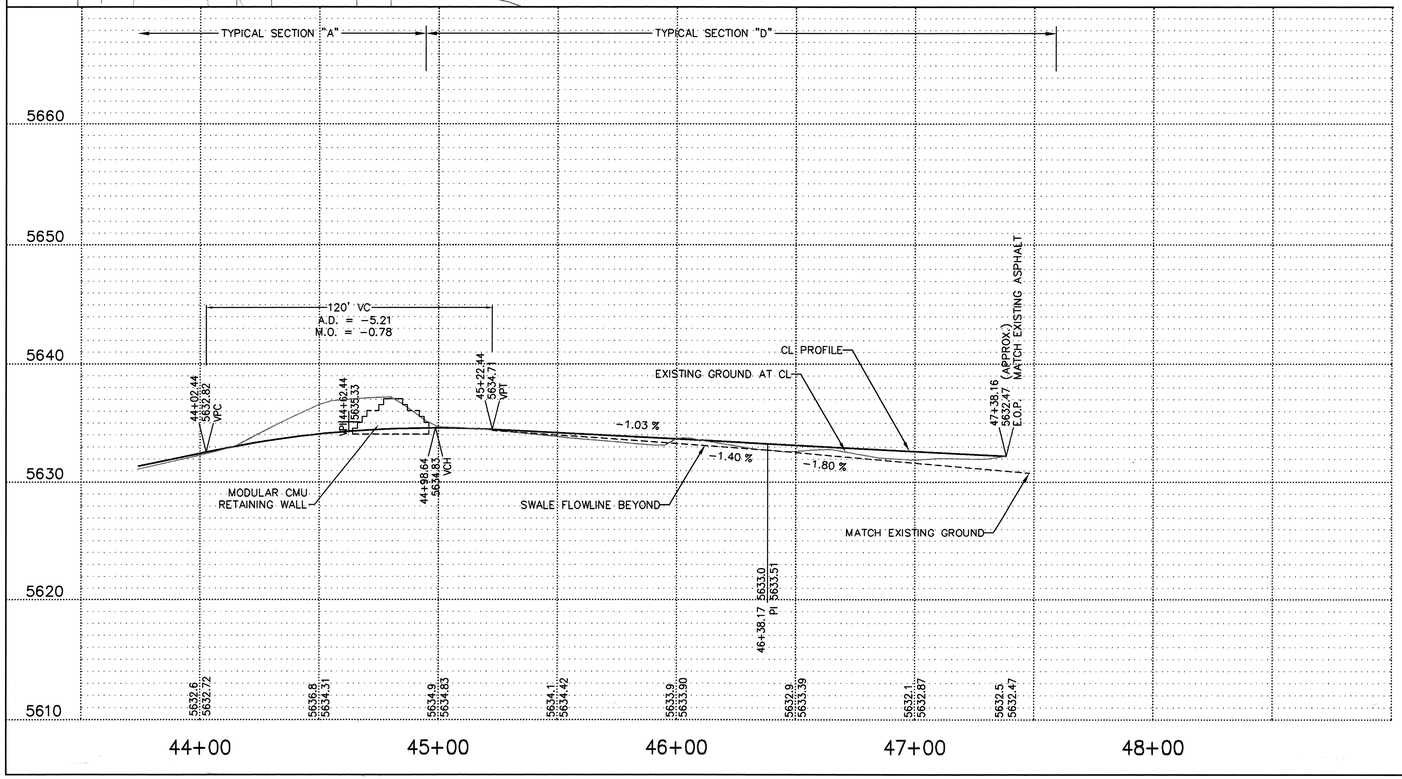
TITLE: **COA TRAILS 2001**
SAN ANTONIO CORRIDOR TRAIL
PLAN AND PROFILE

Design Review Committee: APPROVED MAY 24 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAY 24 2002 CITY ENGINEER

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

PROJECT NO. 644602 | MAP NO. E-20 | SHEET 7 OF 17





CURVE REPORT BASED ON ALL PI BLOCKS
COORDINATES ARE NORTHING, EASTING

****

BOP 1514036.10 , 412201.93 STATION 10+00.00

PI NUMBER 28 ALIGNMENT TR
PI 1514060.57 , 412286.94 DIST. FROM BOP = 88.46'
RADIUS 95.00
PC 1514038.87 , 412211.54 STATION 10+10.00
PC AZIMUTH 73.9413
PT 1513990.63 , 412322.50 STATION 11+41.16
PT AZIMUTH 153.0508

PI NUMBER 29 ALIGNMENT TR
PI 1513920.28 , 412358.26 DIST. FROM PI 28 = 157.38'
RADIUS 95.00
PC 1513942.54 , 412433.97 STATION 12+72.87
PC AZIMUTH 253.6202
PT 1513990.63 , 412322.50 STATION 11+41.16
PT AZIMUTH 333.0508

PI NUMBER 30 ALIGNMENT TR
PI 1513950.88 , 412462.35 DIST. FROM PI 29 = 108.49'
RADIUS 200.00
PC 1513942.54 , 412433.97 STATION 12+72.87
PC AZIMUTH 73.6202
PT 1513950.65 , 412491.93 STATION 13+31.59
PT AZIMUTH 90.4444

PI NUMBER 31 ALIGNMENT TR
PI 1513949.07 , 412695.09 DIST. FROM PI 30 = 232.75'
RADIUS 95.00
PC 1513949.17 , 412682.03 STATION 15+21.71
PC AZIMUTH 90.4444
PT 1513952.50 , 412707.69 STATION 15+47.66
PT AZIMUTH 74.7919

PI NUMBER 32 ALIGNMENT TR
PI 1513974.12 , 412787.22 DIST. FROM PI 31 = 95.47'
RADIUS 600.00
PC 1513952.50 , 412707.69 STATION 15+47.66
PC AZIMUTH 74.7919
PT 1513973.49 , 412869.63 STATION 17+11.46
PT AZIMUTH 90.4341

PI NUMBER 33 ALIGNMENT TR
PI 1513972.30 , 413026.93 DIST. FROM PI 32 = 239.72'
RADIUS 80.00
PC 1513972.41 , 413012.47 STATION 18+54.31
PC AZIMUTH 90.4341
PT 1513977.26 , 413040.52 STATION 18+82.92
PT AZIMUTH 69.9398

PI NUMBER 34 ALIGNMENT TR
PI 1514007.95 , 413124.57 DIST. FROM PI 33 = 103.94'
RADIUS 300.00
PC 1513977.88 , 413042.22 STATION 18+84.73
PC AZIMUTH 69.9398
PT 1513988.95 , 413210.15 STATION 20+55.32
PT AZIMUTH 102.5199

PI NUMBER 35 ALIGNMENT TR
PI 1513948.86 , 413390.68 DIST. FROM PI 34 = 272.60'
RADIUS 850.00
PC 1513981.69 , 413242.83 STATION 20+88.79
PC AZIMUTH 102.5199
PT 1513969.12 , 413540.78 STATION 23+88.56
PT AZIMUTH 82.3135

PI NUMBER 36 ALIGNMENT TR
PI 1513988.87 , 413687.11 DIST. FROM PI 35 = 299.11'
RADIUS 800.00
PC 1513970.31 , 413549.61 STATION 23+97.47
PC AZIMUTH 82.3135
PT 1513960.04 , 413822.82 STATION 26+72.23
PT AZIMUTH 101.9916

PI NUMBER 37 ALIGNMENT TR
PI 1513927.48 , 413976.10 DIST. FROM PI 36 = 295.45'
RADIUS 750.00
PC 1513958.92 , 413828.12 STATION 26+77.64
PC AZIMUTH 101.9916
PT 1513955.88 , 414124.70 STATION 29+76.21
PT AZIMUTH 79.1826

PI NUMBER 38 ALIGNMENT TR
PI 1513999.95 , 414355.39 DIST. FROM PI 37 = 386.15'
RADIUS 1200.00
PC 1513956.89 , 414130.02 STATION 29+81.62
PC AZIMUTH 79.1826
PT 1513956.83 , 414580.75 STATION 34+35.04
PT AZIMUTH 100.8319

PI NUMBER 39 ALIGNMENT TR
PI 1513919.97 , 414773.42 DIST. FROM PI 38 = 425.62'
RADIUS 1080.00
PC 1513956.16 , 414584.25 STATION 34+38.61
PC AZIMUTH 100.8319
PT 1513951.40 , 414963.44 STATION 38+19.81
PT AZIMUTH 80.6088

PI NUMBER 40 ALIGNMENT TR
PI 1513972.14 , 415088.85 DIST. FROM PI 39 = 319.71'
RADIUS 1200.00
PC 1513951.98 , 414966.96 STATION 38+23.37
PC AZIMUTH 80.6088
PT 1513967.04 , 415212.29 STATION 40+69.60
PT AZIMUTH 92.3650

PI NUMBER 41 ALIGNMENT TR
PI 1513950.86 , 415604.08 DIST. FROM PI 40 = 515.57'
RADIUS 110.00
PC 1513955.15 , 415500.13 STATION 43+57.68
PC AZIMUTH 92.3650
PT 1514054.42 , 415614.15 STATION 45+24.35
PT AZIMUTH 5.5526

PI NUMBER 42 ALIGNMENT TR DIST. FROM PI 41 = 217.87

PI 1514167.70 , 415625.17 STATION 46+38.17

E.O.P. 1514267.70 , 415626.04 STATION 47+38.16

NOTES:

1. STA. 44+50 (OFFSET 35' RT.) TO STA. 44.86 (OFFSET 17' LT.) – REMOVE AND DISPOSE OF 70 L.F. OF 4' CHAINLINK FENCING.

2. STA. 44+65 TO STA 44+95 (OFFSET 7' RT.) – BUILD 32' LT. "VERSALOK" MODULAR RETAINING WALL PER DETAILS, SHT. 11.

3. STA. 44+94 TO E.O.P. (LT.) – RIP OLD ROAD BED TO 12" DEPTH AND BACKFILL FLUSH WITH TOP OF EXISTING CURB. GRADE SHALLOW SWALE TO DRAIN TO NORTH (ACROSS 4' PATH CONNECTION). SEE SECTION "D", SHT. 9 FOR TYPICAL CONFIGURATION. RESEED WITH NATIVE GRASS/WILDFLOWER MIX PER SPECIFICATIONS.

4. STA. 46+36.93 (LT.) – BUILD 4' ASPHALT TRAIL CONNECTION TO EXISTING SIDEWALK. PATH TO FOLLOW FINISHED GRADE AS DESCRIBED IN NOTE 3 ABOVE, WITH 2% CROSS SLOPE TOWARD THE NORTH. TOP OF ASPHALT TO BE 1/2" MAX. ABOVE ADJACENT GRADE.

5. STA. 45+25 (RT.) – MODIFY EXISTING WIRE FENCE (NOT SHOWN; EAST OF EXISTING BLOCK WALL SHOWN) TO CREATE 3'-WIDE OPENING FOR PEDESTRIAN ACCESS FROM LARNACA RD./MARSEILLE PL. (MAY INVOLVE CUTTING EXISTING FENCE AND ADDING NEW TERMINAL POSTS, OR MOVING EXISTING END POST AWAY FROM WALL AND SHORTENING FENCE ACCORDINGLY). COORDINATE LOCATION AND CONFIGURATION WITH ENGINEER AND PARKS DEPARTMENT.

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY
		SURV-TEK, INC.
	4/01	

BENCH MARKS
STATION NAME: 13-D21
LOCATED ON TOP OF THE CURB OF EUBANK BLVD. NE 26.5' NORTH OF THE CENTERLINE OF SANTA MÓNICA AVE. NE.

AS BUILT INFORMATION
CONTRACTOR
WORK PERFORMED BY
INSPECTOR'S ACCEPTANCE BY
AS BUILT VERIFICATION BY
DRAWINGS PREPARED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.
NORTHING: 1,514,010.29
EASTING: 418,042.94
ELEVATION: 5717.09' NGVD 1929
DATE

ENGINEERS SEAL

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 64496.02 08305

RECORD DRAWINGS
Revisions by ZVO Date 12/09/04
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1"=5' VERT.

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY RMO	DATE 7/13/01
		DRAWN BY RMO/JJG	DATE 9/19/01
		CHECKED BY EVD	DATE 4/15/02

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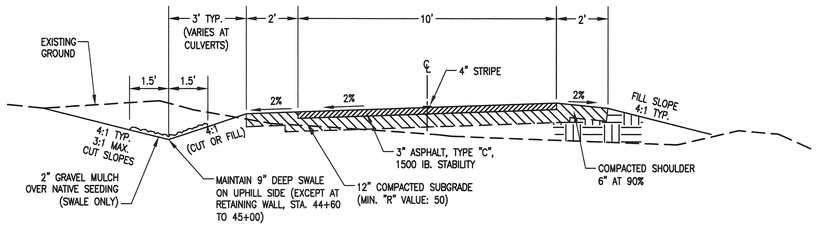
CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
PLANNING AND DESIGN DIVISION

TITLE: **COA TRAILS 2001**
SAN ANTONIO CORRIDOR TRAIL
PLAN AND PROFILE

Design Review Committee: APPROVED MAY 2 4 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAY 2 4 2002 CITY ENGINEER

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

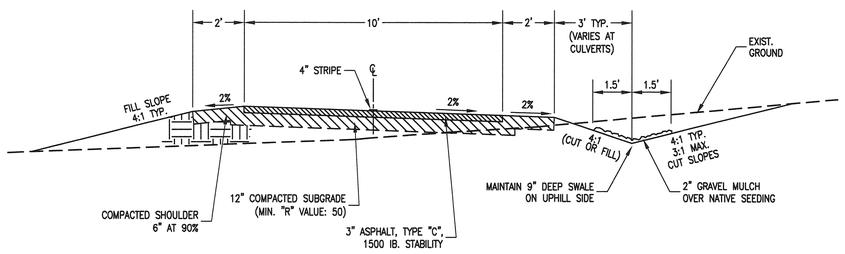
PROJECT NO. 644602
MAP NO. E-20
SHEET 8 OF 17



TYPICAL SECTION A – LEFT CROSS SLOPE

STA. 11+51 TO 13+30
STA. 15+50 TO 17+43
STA. 20+82 TO 23+83
STA. 26+85 TO 29+69
STA. 34+47 TO 38+32
STA. 43+58 TO 44+95

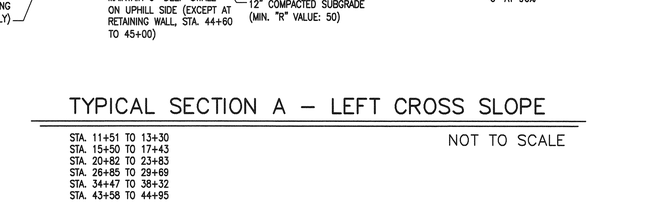
NOT TO SCALE



TYPICAL SECTION B – RIGHT CROSS SLOPE

STA. 10+10 TO 11+31
STA. 18+83 TO 20+62
STA. 24+03 TO 26+65
STA. 29+89 TO 34+27
STA. 38+32 TO 43+38

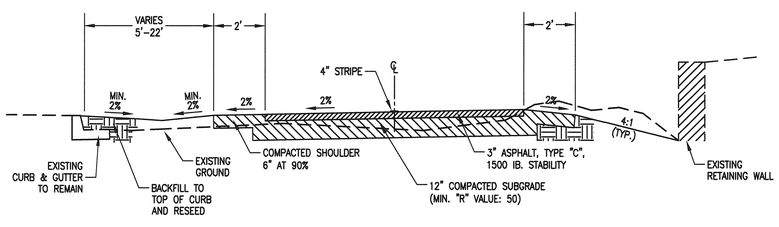
NOT TO SCALE



TYPICAL SECTION C – TRAIL ALONG PARKING AREA

STA. 13+30 TO 15+50

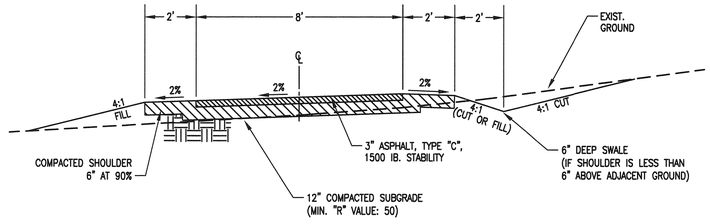
NOT TO SCALE



TYPICAL SECTION D – HOLBROOK R.O.W.

STA. 44+95 TO 47+40

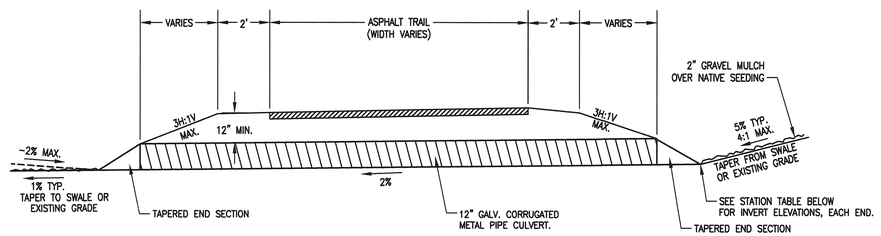
NOT TO SCALE



TYPICAL SECTION E – 8' PATH CONNECTION

STA. 32+10 (LEFT) CONNECTION TO REDMONT

NOT TO SCALE



TYPICAL PIPE CULVERT SECTION

STA. 11+25 (APPROX.)	LT. INVERT 5528.56	RT. INVERT 5527.97	NOT TO SCALE
STA. 22+15	LT. INVERT 5556.13	RT. INVERT 5555.58	
STA. 32+10 (12' LEFT)	LT. INVERT 5587.12	RT. INVERT 5587.59	

NOTES:

1. EMBANKMENT FILL SHALL BE COMPRISED OF NATIVE MATERIAL BORROWED FROM CUT AREAS ELSEWHERE IN PROJECT AREA, INSOFAR AS POSSIBLE. IMPORTED FILL, IF NECESSARY, SHALL BE OF SIMILAR CHARACTER, AND SHALL MEET THE FOLLOWING CRITERIA:

GRADATION:

SIEVE	%PASSING
1 INCH	100
NO. 4	40–100
NO. 200	10–60

PLASTICITY INDEX:
SHALL NOT EXCEED 15, PER ASTIM D–423 AND D–424.

2. EMBANKMENT FILL SHALL BE PLACED IN 8–INCH LAYERS AND COMPACTED TO 95% OF MAXIMUM DENSITY UNDER TRAIL SURFACE AREAS, AND 90% OF MAXIMUM IN ALL SIDE SLOPE EMBANKMENTS. MOISTURE SHALL BE WITHIN 2% OF OPTIMUM AT TIME OF COMPACTION.

3. SHOULDERS SHALL BE COMPRISED OF SUITABLE GRANULAR MATERIAL, SUCH AS DECOMPOSED GRANITE (EXISTING OR IMPORTED) OR CRUSHER FINES, AND SHALL BE COMPACTED AS SHOWN. SHOULDER SHALL BE FLUSH WITH, OR NOT MORE THAN ONE–HALF INCH BELOW, THE EDGE OF ASPHALT TRAIL.

4. ALL DISTURBED AREAS OUTSIDE OF TRAIL SHOULDERS SHALL BE RESEEDED ACCORDING TO SECTION 1012 OF THE COA STANDARD SPECIFICATIONS AS MODIFIED IN THE CONTRACT DOCUMENTS. NOTE THAT ALL HAUL ROADS OR OTHER HEAVILY COMPACTED AREAS SHALL BE RIPPED TO A DEPTH OF 12" PRIOR TO SEED BED PREPARATION.

5. ADJUST PROFILE GRADE AS NECESSARY ALONG EXISTING PARKING AREA (STA. 13+30 TO STA. 15+50) TO MAINTAIN CONSTANT 2% CROSS SLOPE TO TOP OF CURB. SEE TYPICAL SECTION "C".

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	SURV-TEK, INC.	4/01

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

BENCH MARKS
STATION NAME: 13-D21
LOCATED ON TOP OF THE CURB OF EUBANK BLVD. NE 26.5' NORTH OF THE CENTERLINE OF SANTA MONICA AVE. NE.
NORTHING: 1,514,010.29
EASTING: 418,042.94
ELEVATION: 5717.08' NGVD 1929

ENGINEERS SEAL

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2 6 6 4 4 6 . 0 2 0 7 6 5

RECORD DRAWINGS
Revisions by CVO Date 12/09/04
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NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY RMO DATE 7/13/01
DRAWN BY RMO/JJG DATE 9/19/01
CHECKED BY EVD DATE 1/15/02

Resource Technology, Inc.
Civil Engineering
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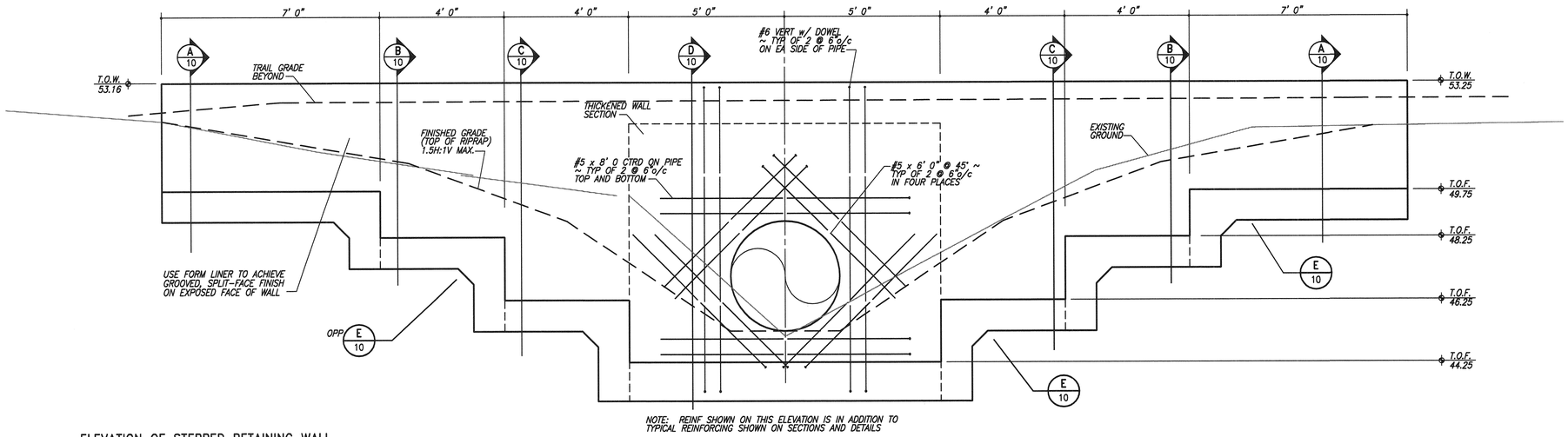
CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
PLANNING AND DESIGN DIVISION

TITLE: **COA TRAILS 2001**
SAN ANTONIO CORRIDOR TRAIL
TYPICAL SECTIONS

Design Review Committee: APPROVED MAY 24 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAY 24 2002 CITY ENGINEER

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

PROJECT NO. 644602
MAP NO. E-20
SHEET 9 OF 17

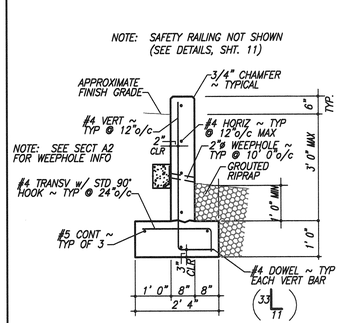


NOTE: REINF SHOWN ON THIS ELEVATION IS IN ADDITION TO TYPICAL REINFORCING SHOWN ON SECTIONS AND DETAILS

ELEVATION OF STEPPED RETAINING WALL

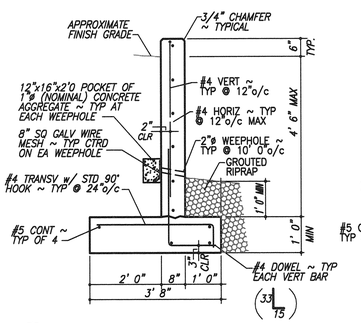
SCALE: 1/2" = 1' 0"

GENERAL NOTE: AS A MINIMUM, GROUTED RIPRAP MUST EXTEND DOWN TO BOTTOM OF FOOTING.



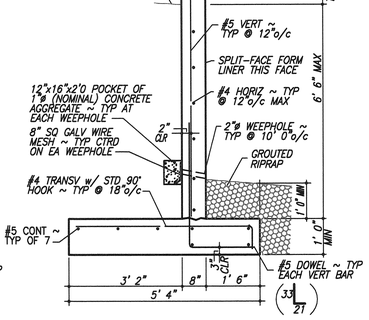
A 10 WALL END SECTIONS

SCALE: 1/2" = 1' 0"



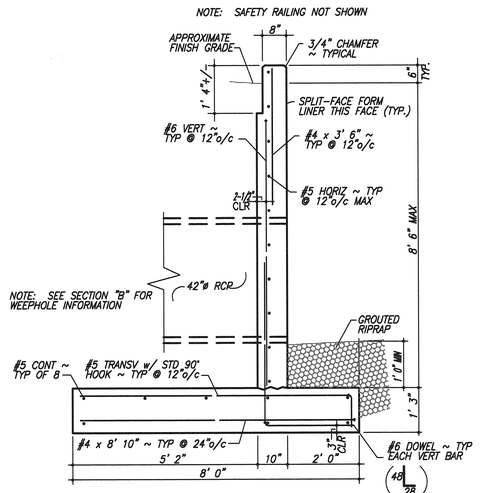
B 10 SHALLOW RETAINING WALL

SCALE: 1/2" = 1' 0"



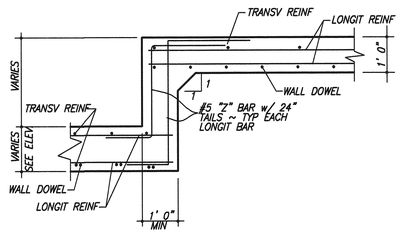
C 10 RETAINING WALL AT TRANSITION

SCALE: 1/2" = 1' 0"



D 10 DEEP RETAINING WALL

SCALE: 1/2" = 1' 0"



E 10 FOOTING STEP DETAIL

SCALE: 1/2" = 1' 0"

NOTES:

1. South (exposed) face of retaining wall shall be textured by the use of form liners with a grooved, split-face pattern. Acceptable liner patterns include "Splitface 603" or pattern 129 "2-inch Fractured Brown and Root" by the Burke Company; No. 367 "VA D.O.T. Fractured Rib" or No. 373 "Fractured Fin" by Greenstreak Plastic Products Co.; or an approved equivalent product. Form liner installation and concrete placement shall be according to manufacturer's recommendations.

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

STATION NAME: 13-D21

LOCATED ON TOP OF THE CURB OF EUBANK BLVD. NE 26.5' NORTH OF THE CENTERLINE OF SANTA MONICA AVE. NE.

NORTHING: 1,514,010.29

EASTING: 418,042.94

ELEVATION: 5717.09' NGVD 1929

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL

EILEEN H. LAMBERT, NEW MEXICO, 10203, REGISTERED PROFESSIONAL ENGINEER

04-17-02

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	DATE	10/02/01	
DESIGNED BY		RMO	
	DATE	10/04/01	
DRAWN BY		RMO/JJG	
	DATE	10/04/01	
CHECKED BY		RMO	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

2 6 6 4 4 6 . 0 2 1 0 0 5

RECORD DRAWINGS

Revisions by CVO Date 12/04/04

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CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
PLANNING AND DESIGN DIVISION

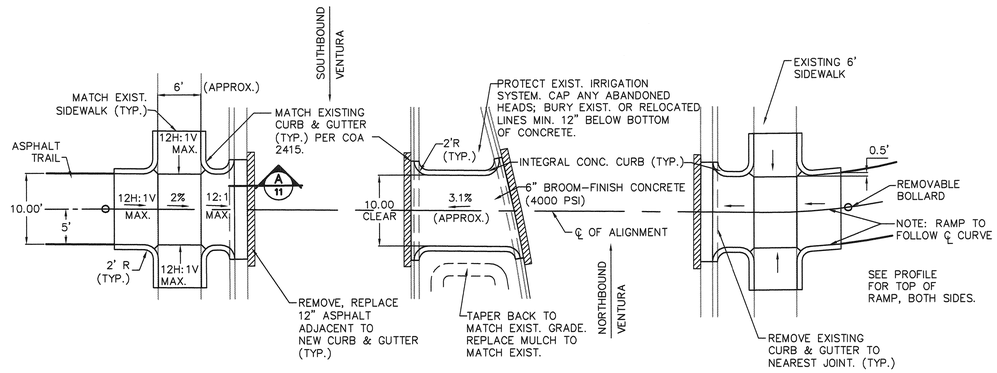
TITLE: **SAN ANTONIO CORRIDOR TRAIL**
VENTURA TO HOLBROOK
DETAIL SHEET

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAY 2 4 2002 DESIGN REVIEW COMMITTEE	APPROVED MAY 2 4 2002 CITY ENGINEER			

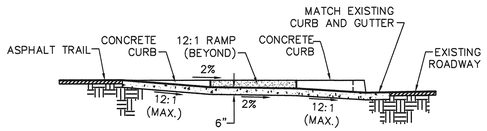
PROJECT NO. 644602

MAP NO. E-20

SHEET 10 OF 17



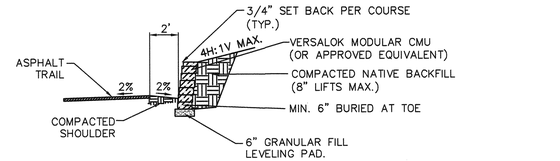
PLAN VIEW **SCALE: 1"=10'**



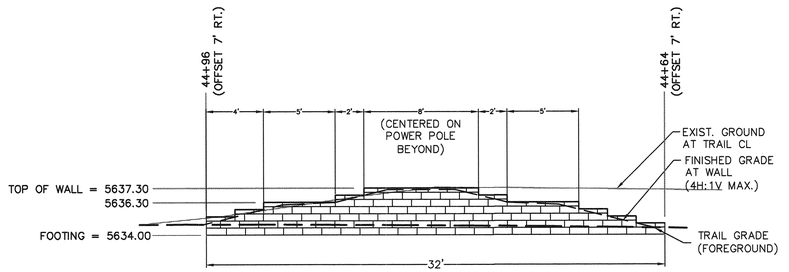
RAMP SECTION Ⓐ **1"=5'**

ACCESSIBLE RAMP/ MEDIAN REFUGE DETAILS

(REFER TO COA STD. DWG. 2415)



SECTION **SCALE: 1"=5'**



PLAN VIEW **SCALE: 1"=5'**

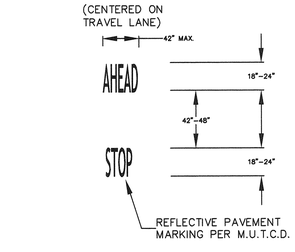
32' RETAINING WALL AT POWER POLE

NOTES:

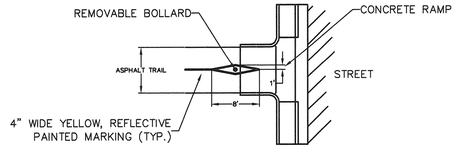
1) MODULAR CMU RETAINING WALL TO BE CONSTRUCTED USING VERSALOK (OR APPROVED EQUIVALENT) BLOCKS INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. CAP UNITS SHALL BE BONDED TO UNDERLYING COURSE USING MANUFACTURER-APPROVED ADHESIVE. PROVIDE BLOCK COLOR SAMPLES TO ENGINEER FOR SELECTION AND APPROVAL PRIOR TO INSTALLATION.

2) RAILINGS TO BE FABRICATED FROM STANDARD SCH. 40 PIPE IN ACCORDANCE WITH SECTIONS 520 AND 550 OF THE C.O.A. STANDARD SPECIFICATIONS. PIPE RAILINGS SHALL BE SAND BLASTED AND PAINTED WITH ONE SHOP COAT OF RUST-INHIBITIVE PRIMER AND TWO COATS OF FINISH COLOR, IN ACCORDANCE WITH SECTION 157 OF THE C.O.A. STANDARD SPECIFICATIONS. FINISH COLOR SHALL BE NEUTRAL TAN OR BEIGE, AS APPROVED BY C.O.A. PARKS AND GENERAL SERVICES.

3. CONTRACTOR SHALL PROVIDE COLOR SAMPLES FROM MANUFACTURER FOR BENCH AND POST COLOR SELECTION PRIOR TO ORDERING BENCHES

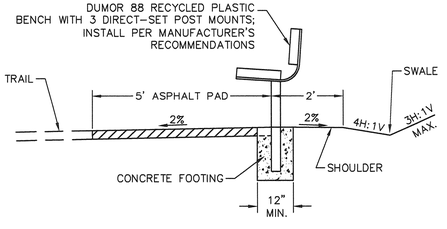


PAVEMENT LETTERING DETAIL **N.T.S.**
(APPROACHES TO VENTURA)

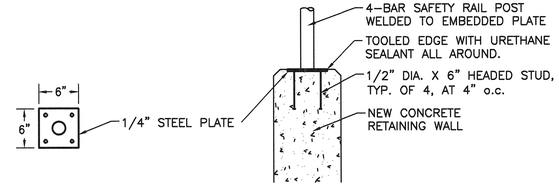


STRIPING DETAIL AT REMOVABLE BOLLARD **N.T.S.**

PAVEMENT STRIPING DETAILS

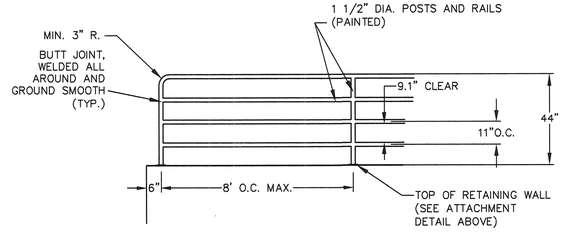


BENCH DETAILS N.T.S.



PLAN VIEW OF STEEL PLATE **SECTION VIEW**

EMBEDDED STEEL PLATE DETAIL N.T.S.



4-BAR RAIL DETAIL N.T.S.

AS BUILT INFORMATION
CONTRACTOR — DATE
WORKED BY — DATE
INSPECTOR'S INITIALS BY — DATE
FIELD VERIFICATION BY — DATE
MARKUPS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION NAME: 13-D21
LOCATED ON TOP OF THE WEST CURB OF EUBANK BLVD. NE 26.5' NORTH OF THE CENTERLINE OF SANTA MONICA AVE. NE.
NORTHING: 1,514,010.29
EASTING: 418,042.94
ELEVATION: 5717.09' NGVD 1929

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY RMO	DATE 10/02/01
		DRAWN BY RMO/JJG	DATE 10/04/01
		CHECKED BY EVD	DATE 1/15/02

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2 6 6 4 4 6 . 0 2 1 1 0 5

RECORD DRAWINGS
Revisions by EVD Date 12/09/04
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CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
PLANNING AND DESIGN DIVISION

TITLE: **SAN ANTONIO CORRIDOR TRAIL**
VENTURA TO HOLBROOK
DETAIL SHEET

Design Review Committee: APPROVED MAY 24 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAY 24 2002 CITY ENGINEER

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

PROJECT NO. 644602 | MAP NO. E-20 | SHEET 11 OF 17

TEMPORARY EROSION CONTROL MEASURES

Temporary erosion control measures will be required at certain locations until permanent measures are installed. These are listed below by type and location:

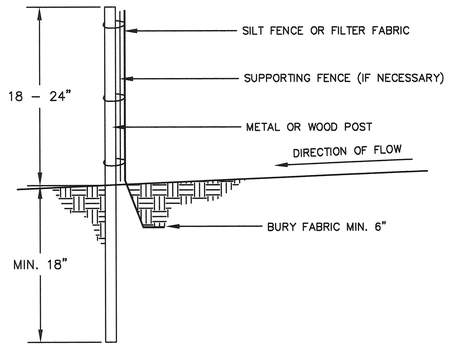
Type of Control	From Trail CL	Station / Offset	To Trail CL	Station / Offset	Quantity	Comment
Silt Fence or Straw Bales	11+20	30' right	11+30	30' right	10 l.f.	Downstream form pipe outfall
Silt Fence or Straw Bales	19+00	10' right	19+25	85' right	80 l.f.	Above riprap settling basin
Silt Fence or Straw Bales	47+50	8' left	47+50	26' left	18 l.f.	

All temporary erosion control measures shall be removed once permanent erosion control is in place. No additional payment shall be made for removals.

DUST ABATEMENT: All exposed soil areas shall kept dust–free at all times during construction. Dust abatement measures may include application of water or temporary soil stabilant. If watering equipment is used for dust abatement, this operation shall be given priority over any other use of this equipment. Pits, haul roads, and other areas occupied by the contractor in connection with the work shall be maintained for the duration of the project.

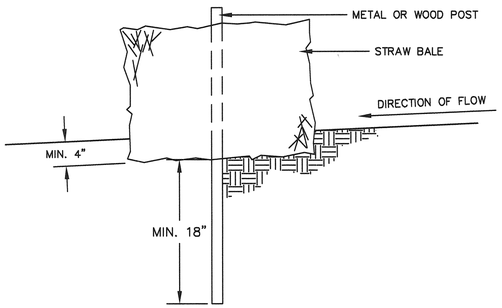
If work operations are suspended or exposed areas will not be worked for more than seven (7) days, the contractor shall apply temporary soil stabilant as approved by the project manager. Application shall be according to manufacturer's instruction, unless such application is not producing acceptable results. In this case, rate of application should be increased until acceptable results are obtained.

Dust abatement activities as described above are incidental to the project, and no direct payment shall be made.



SILT FENCE DETAIL

NOT TO SCALE



STRAW BALE FILTER DAM DETAIL

NOT TO SCALE

PERMANENT EROSION CONTROL MEASURES

All soil areas exposed during construction shall be treated with native seeding, in accordance with section 1012 of the COA standard specifications, as modified in the project supplemental technical specifications. The native seed mix for this project shall be as follows:

COMMON NAME	SCIENTIFIC NAME	LBS. PLS/AC
GRASSES		
Sideoats Grama	Boutelova curtipendula	2
Blue Grama	Boutelova gracilis "Hachita"	3
Galleta	Hilaria jamesii "Viva"	3
Indian Ricegrass	Oryzopsis Hymenoides	2
WILDFLOWERS		
Purple Aster	Aster bigelovii	0.5
Desert Marigold	Baileya multiradiata	0.5
Dakota Verbena	Verbena bipinnatifolia	1
	TOTAL:	12

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTIONS DATE
AS-BUILTING BY
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION NAME: 13-D21
LOCATED ON TOP OF THE CURB OF EUBANK BLVD. NE 26.5' NORTH OF THE CENTERLINE OF SANTA MONICA AVE. NE
NORTHING: 1,514,010.29
EASTING: 418,042.94
ELEVATION: 5717.09' NGVD 1929

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2 6 6 4 4 6 . 0 2 1 2 0 5

RECORD DRAWINGS
Revisions by CVO Date 12/09/04
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NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY RMO	DATE 01/2002
		DRAWN BY RMO	DATE 01/2002
		CHECKED BY RMO	DATE 01/2002

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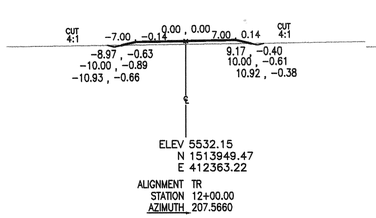
CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
PLANNING AND DESIGN DIVISION

TITLE: **SAN ANTONIO CORRIDOR TRAIL**
VENTURA TO HOLBROOK
EROSION CONTROL AND REVEGITATION SHEET

Design Review Committee: APPROVED MAY 2 4 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAY 2 4 2002 CITY ENGINEER

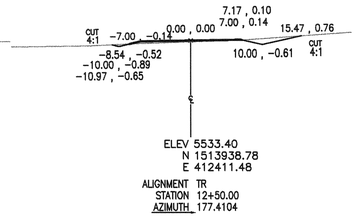
Last Design Update: Mo./Day/Yr. ____ Mo./Day/Yr. ____

PROJECT NO. 644602
MAP NO. E-20
SHEET 12 OF 17



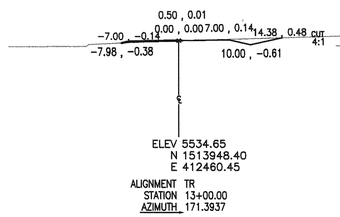
ELEV 5532.15
N 1513949.47
E 412363.22

ALIGNMENT TR
STATION 12+00.00
AZIMUTH 207.5660



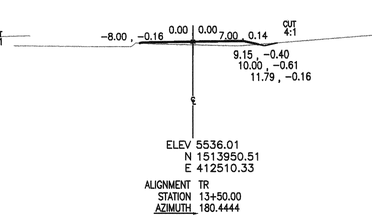
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E 412411.48

ALIGNMENT TR
STATION 12+50.00
AZIMUTH 177.4104



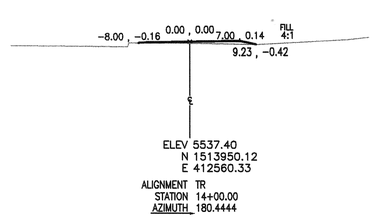
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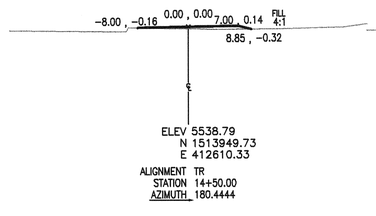
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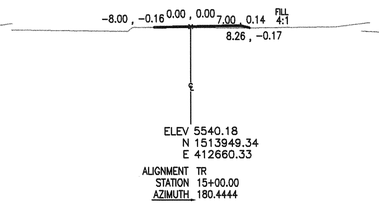
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ALIGNMENT TR
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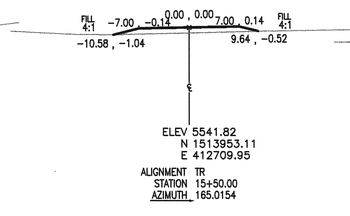
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E 412610.33

ALIGNMENT TR
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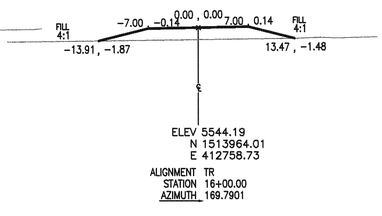
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ALIGNMENT TR
STATION 15+00.00
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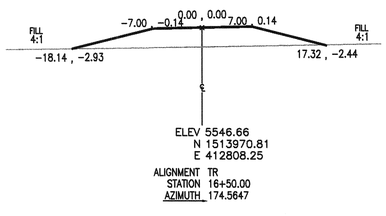
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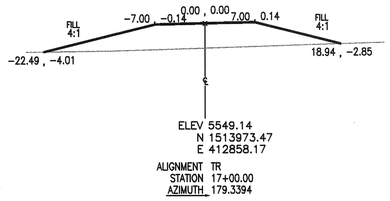
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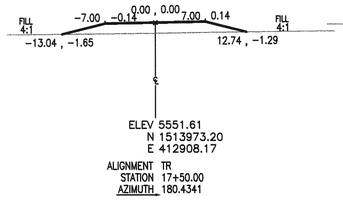
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STATION 16+50.00
AZIMUTH 174.5647



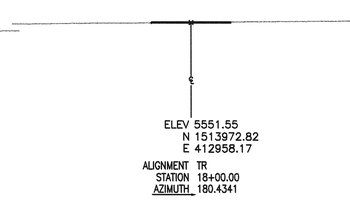
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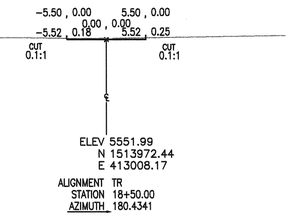
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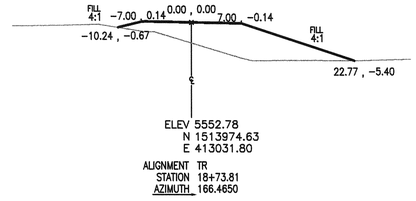
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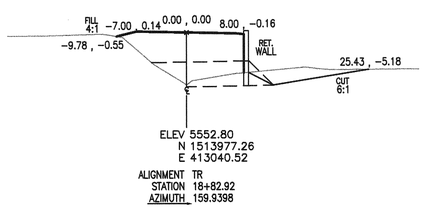
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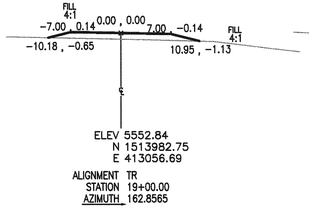
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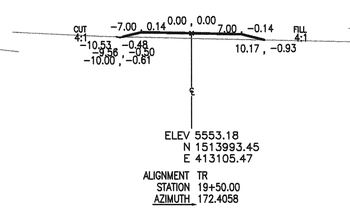
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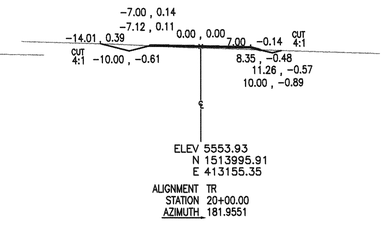
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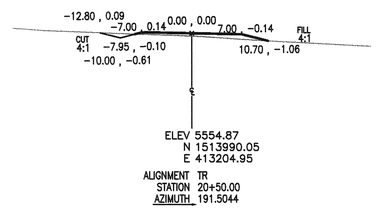
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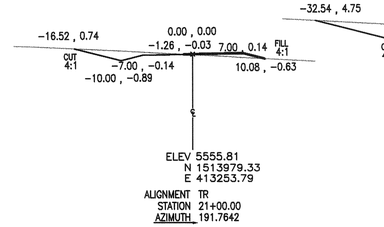
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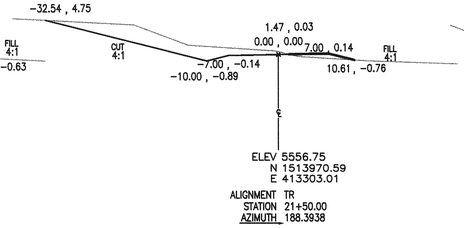
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ALIGNMENT TR
STATION 20+50.00
AZIMUTH 191.5044



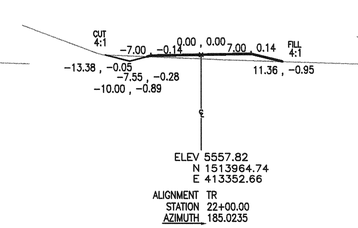
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AZIMUTH 191.7642



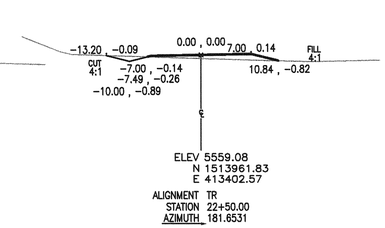
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E 413303.01

ALIGNMENT TR
STATION 21+50.00
AZIMUTH 188.3938



ELEV 5557.82
N 1513964.74
E 413352.66

ALIGNMENT TR
STATION 22+00.00
AZIMUTH 185.0235



ELEV 5559.08
N 1513961.83
E 413402.57

ALIGNMENT TR
STATION 22+50.00
AZIMUTH 181.6531

VERTICAL SCALE FACTOR = 1X

NOTES:

1. SECTIONS SHOWN ON THESE PAGES ARE GENERALIZED FOR EARTHWORK CALCULATION PURPOSES. X,Y COORDINATES AS SHOWN DO NOT REFLECT 2% SHOULDER SLOPE ON HIGH SIDE OF TRAIL.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	SURV-TEK, INC.	4/01

BENCH MARKS

STATION NAME: 13-D21
LOCATED ON TOP OF THE CURB OF EUBANK BLVD. NE 26.5' NORTH OF THE CENTERLINE OF SANTA MONICA AVE. NE.

NORTHING: 1,514,010.29
EASTING: 418,042.94
ELEVATION: 5717.09' NGVD 1929

AS BUILT INFORMATION

CONTRACTOR
STAKED BY
INSPECTOR'S
ACCEPTANCE BY
FIELD
VERIFICATION BY
REMARKS
CORRECTED BY

MICRO-FILM INFORMATION

RECORDED BY
NO.

ENGINEERS SEAL

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
5/01/02

NO.	DATE	REMARKS	BY
		REVISIONS:	
		DESIGN	DATE 7/13/01
			DESIGNED BY RMO
			DATE 7/2/01
			DRAWN BY RMO
			DATE 4/5/02
			CHECKED BY

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6944.62 1305

RECORD DRAWINGS
Revisions by CVO Date 12/09/04
THESE RECORDS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OR COMPONENT, NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS, WHICH HAVE BEEN INCORPORATED INTO THE DRAWINGS.

SCALE: 1"=10'

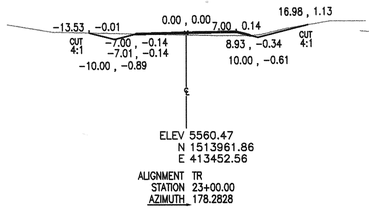
Resource Technology, Inc.
Civil Engineering
Environmental Sciences
Water Resources
Landscape Architecture
Planning
5501 Jefferson Blvd. NE, Suite 200
Albuquerque, New Mexico 87109
E-mail: rti@rtinet
Telephone (505) 243-7300
Facsimile (505) 243-7400

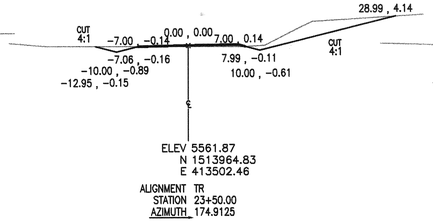
CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
PLANNING AND DESIGN DIVISION

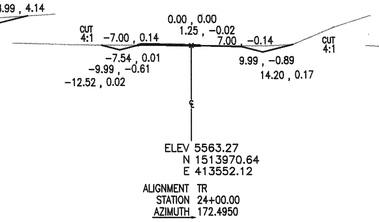
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SAN ANTONIO CORRIDOR TRAIL
EARTHWORK SECTIONS

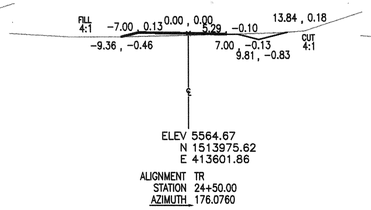
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAY 24 2002 DESIGN REVIEW COMMITTEE	APPROVED MAY 24 2002 CITY ENGINEER			

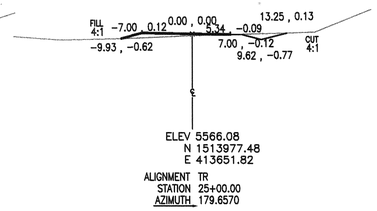
PROJECT NO.	MAP NO.	SHEET
644602	E-20	13 OF 17

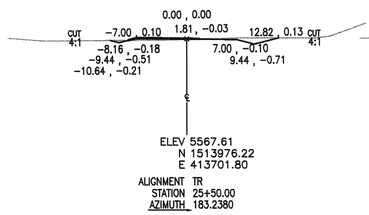


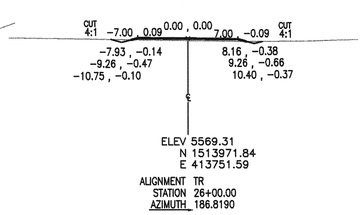


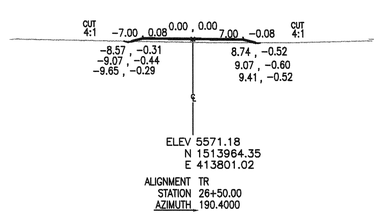


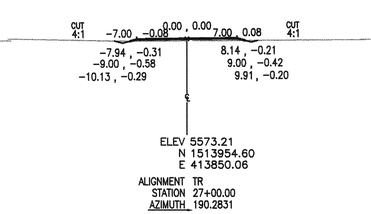


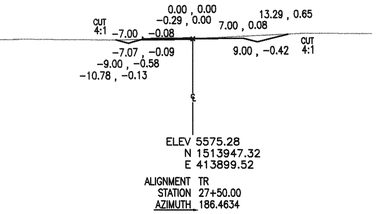


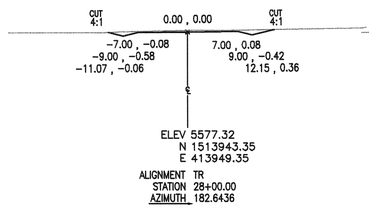


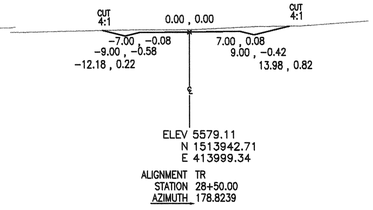


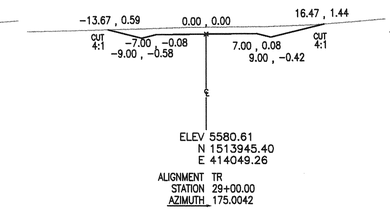


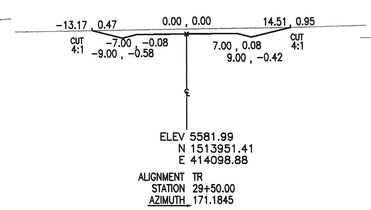


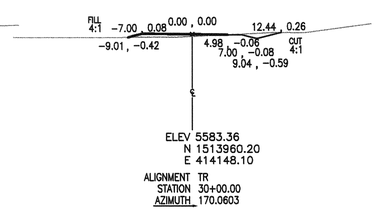


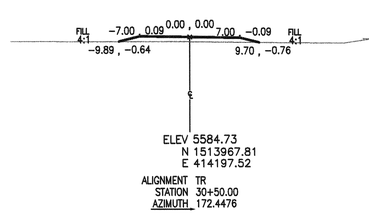


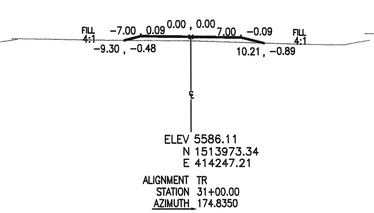


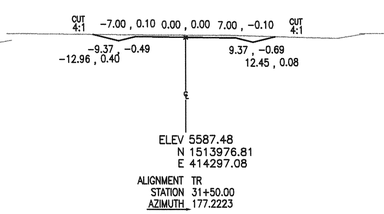


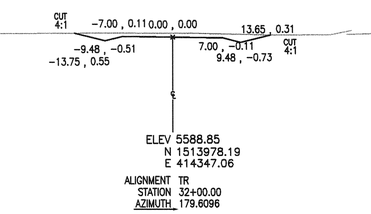


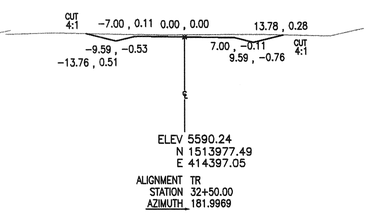


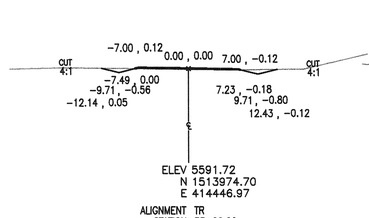


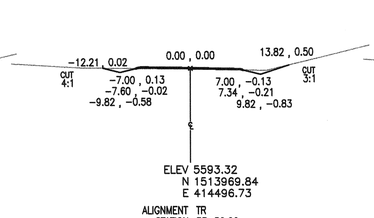


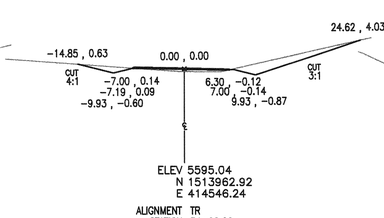


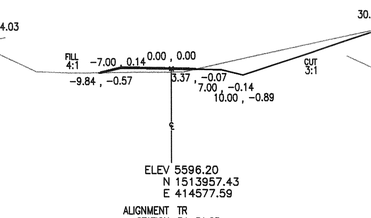


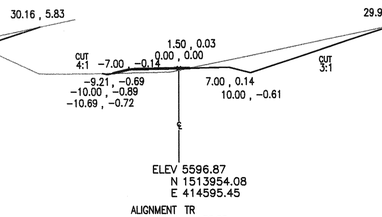












VERTICAL SCALE FACTOR = 1X

NOTES:

1. SECTIONS SHOWN ON THESE PAGES ARE GENERALIZED FOR EARTHWORK CALCULATION PURPOSES. X,Y COORDINATES AS SHOWN DO NOT REFLECT 2% SHOULDER SLOPE ON HIGH SIDE OF TRAIL.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	SURV-TEK, INC.	4/01

BENCH MARKS

STATION NAME: 13-D21
LOCATED ON TOP OF THE CURB OF EUBANK BLVD. NE 26.5' NORTH OF THE CENTERLINE OF SANTA MONICA AVE. NE.

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

NORTHING: 1,514,010.29
EASTING: 418,042.94
ELEVATION: 5717.09' NGVD 1929

ENGINEERS SEAL

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6 6 4 6 . 0 2 1 4 0 5

RECORD DRAWINGS
Revisions by CVO Date 12/09/04
THESE RECORDS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OR COMPONENT, NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS, WHICH HAVE BEEN INCORPORATED INTO THE DRAWINGS.

SCALE: 1"=10'

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
	7/13/01	DESIGNED BY RMO	
	7/2/01	DRAWN BY RMO	
	4/5/02	CHECKED BY	

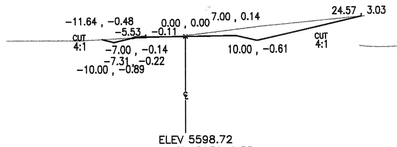
Resource Technology, Inc.
Civil Engineering
Environmental Sciences
Water Resources
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5501 Jefferson Blvd. NE, Suite 200
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CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
PLANNING AND DESIGN DIVISION

TITLE: **COA TRAILS 2001**
SAN ANTONIO CORRIDOR TRAIL
EARTHWORK SECTIONS

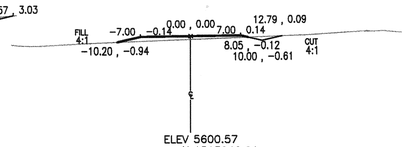
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAY 24 2002 DESIGN REVIEW COMMITTEE	APPROVED MAY 24 2002 CITY ENGINEER			

PROJECT NO. 644602 | MAP NO. E-20 | SHEET 14 OF 17



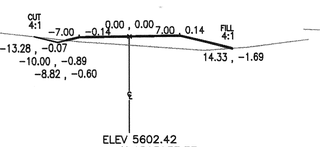
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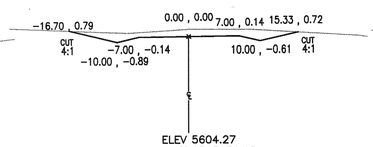
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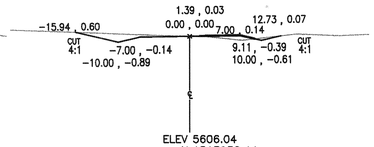
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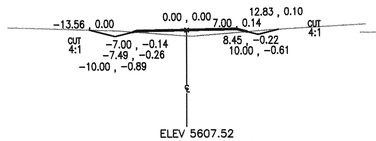
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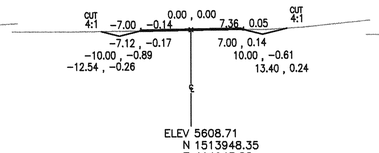
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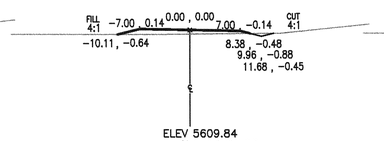
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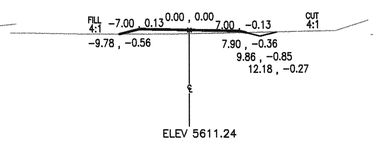
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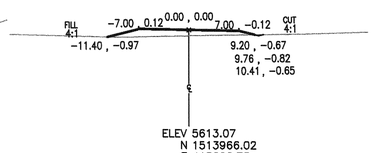
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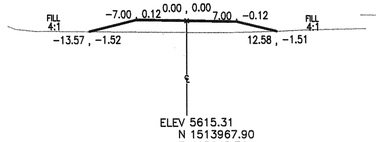
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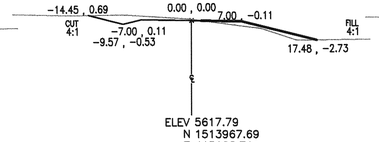
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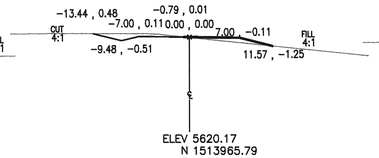
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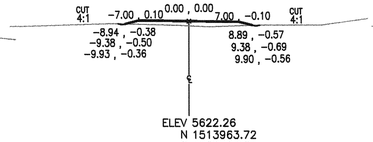
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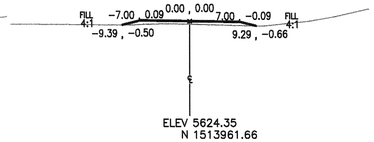
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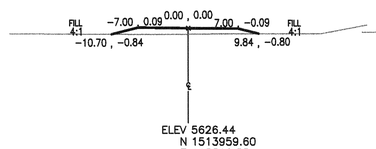
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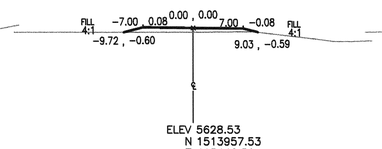
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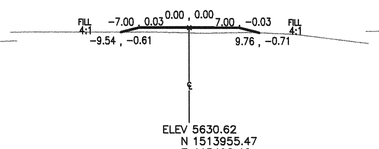
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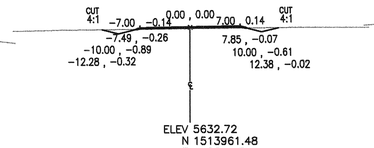
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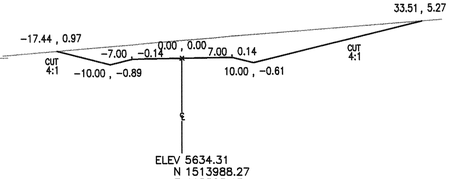
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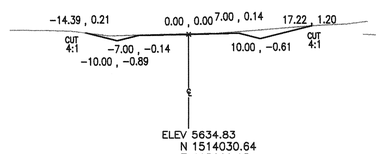
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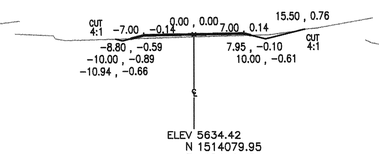
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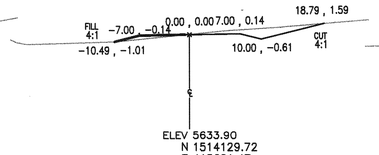
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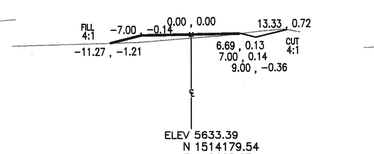
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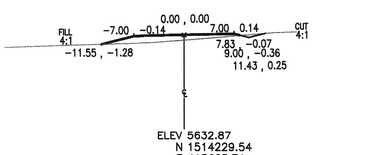
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VERTICAL SCALE FACTOR = 1X

NOTES:

1. SECTIONS SHOWN ON THESE PAGES ARE GENERALIZED FOR EARTHWORK CALCULATION PURPOSES. X,Y COORDINATES AS SHOWN DO NOT REFLECT 2% SHOULDER SLOPE ON HIGH SIDE OF TRAIL.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	SURV-TEK, INC.	4/01

BENCH MARKS

STATION NAME: 13-D21

LOCATED ON TOP OF THE CURB OF EUBANK BLVD. NE 26.5' NORTH OF THE CENTERLINE OF SANTA MONICA AVE. NE.

NORTHING: 1,514,010.29
EASTING: 418,042.94
ELEVATION: 5717.09' NGVD 1929

AS BUILT INFORMATION

CONTRACTOR

	DATE
WORK STAKED BY	
WORKS COMPLETED	
ACCEPTANCE BY	
FIELD LOCATION BY	
DRAWINGS CORRECTED BY	

MICRO-FILM INFORMATION

RECORDED BY

NO.

ENGINEERS SEAL

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2 6 6 4 4 6 . 6 2 1 5 0 5

RECORD DRAWINGS
Revisions by CVD Date 12/09/04
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SCALE: 1"=10'

NO.	DATE	REMARKS
		REVISIONS
		DESIGN
	DATE	7/13/01
DESIGNED BY	RMO	
	DATE	7/2/01
DRAWN BY	RMO	
	DATE	4/15/02
CHECKED BY		

Resource Technology, Inc.
Civil Engineering
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5501 Jefferson Blvd. NE, Suite 200
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Telephone: (505) 243-7300
Facsimile: (505) 243-7400

CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
PLANNING AND DESIGN DIVISION

TITLE: **COA TRAILS 2001**
SAN ANTONIO CORRIDOR TRAIL
EARTHWORK SECTION

Design Review Committee: APPROVED MAY 24 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAY 24 2002 CITY ENGINEER

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

PROJECT NO. 644602
MAP NO. E-20
SHEET 15 OF 17

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

⚠2 19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

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

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

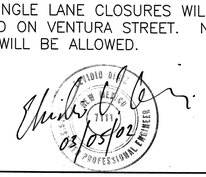
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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

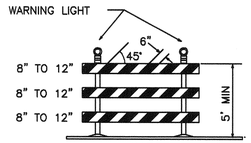
⚠3 27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPTMENT, BOTH PERMANENT AND TEMPORARY.

SPECIAL PROJECT TRAFFIC CONTROL NOTE:

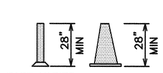
1. ONLY SINGLE LANE CLOSURES WILL BE ALLOWED ON VENTURA STREET. NO TRAFFIC SPLITS WILL BE ALLOWED.



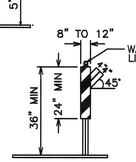




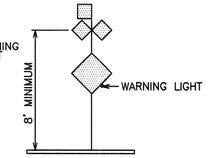
TYPE III BARRICADE



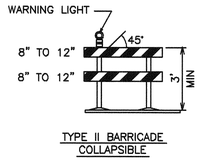
CONES



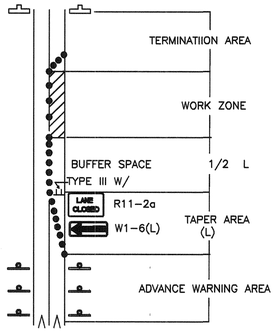
VERTICAL PANEL



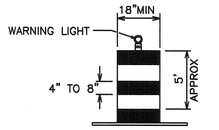
HIGH LEVEL WARNING DEVICE



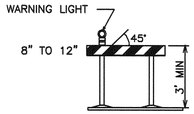
TYPE II BARRICADE COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS



BARREL



TYPE I BARRICADE COLLAPSIBLE

LEGEND

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

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

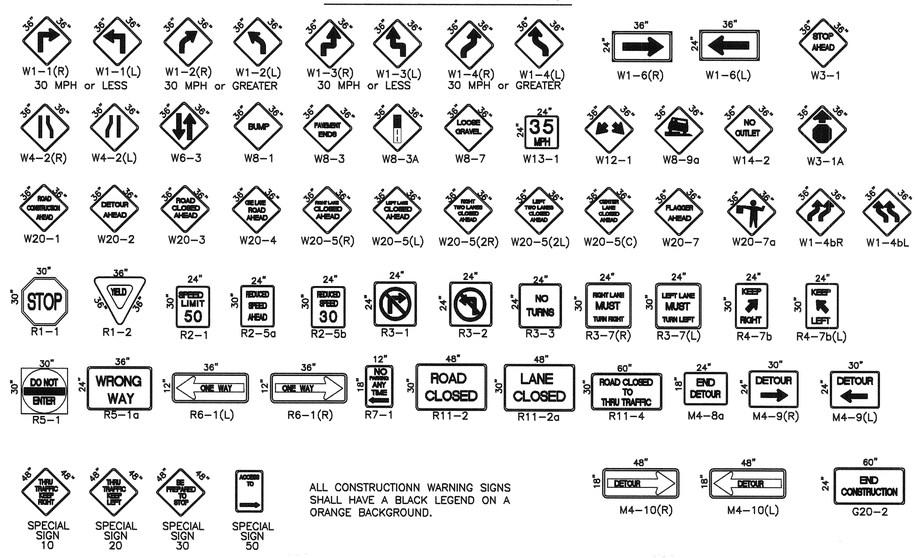
TAPER REQUIREMENT

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

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

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

SIGN FACE DETAILS



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

TAPER CRITERIA

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

TAPER LENGTH COMPUTATION

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

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

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2 6 6 4 4 6 . 0 2 1 6 0 5

RECORD DRAWINGS
Revisions by Avo Date 12/09/97
THESE RECORDS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OR COMPONENT, NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS, WHICH HAVE BEEN INCORPORATED INTO THE DRAWINGS.

AS-BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTORS NOTES — DATE
FIELD ADJUSTMENTS 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

COA STD.

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

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

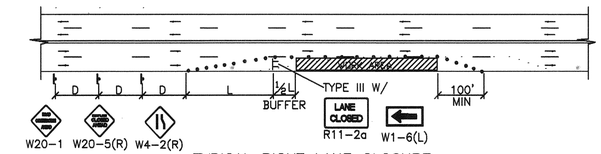
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TRAFFIC CONTROL
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

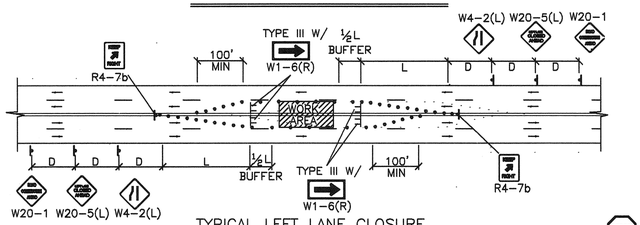
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
COA	STD.			

CITY PROJECT NO. 644602 | ZONE MAP NO. E-20 | SHEET 16 | OF 17

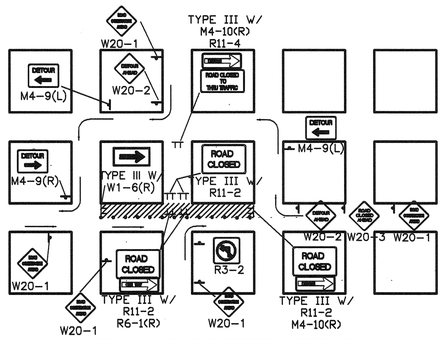
CITYSIGN.DWG 6-11-97



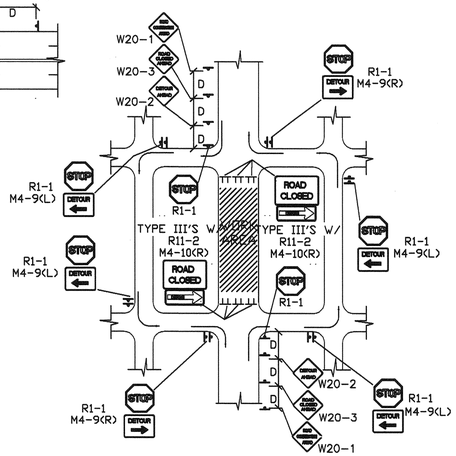
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE

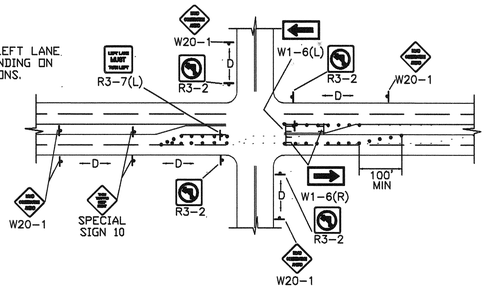


TYPICAL ONE DIRECTION DETOUR



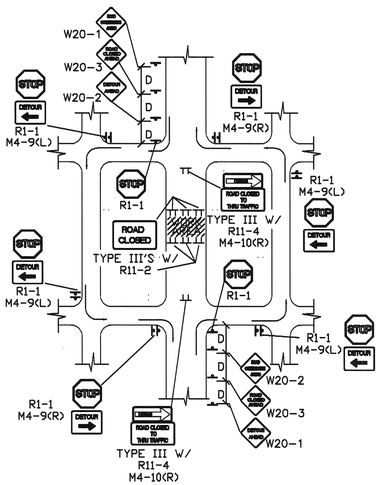
TYPICAL STREET CLOSURE

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



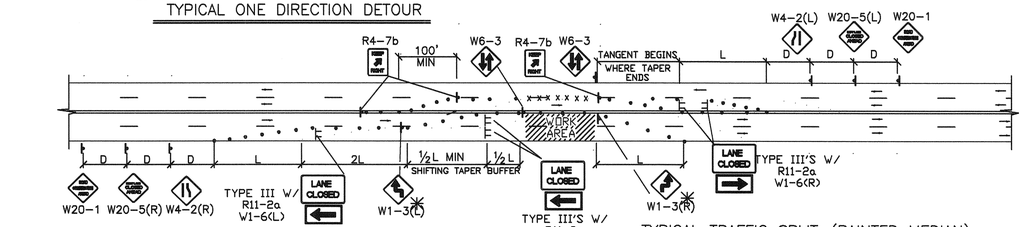
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.

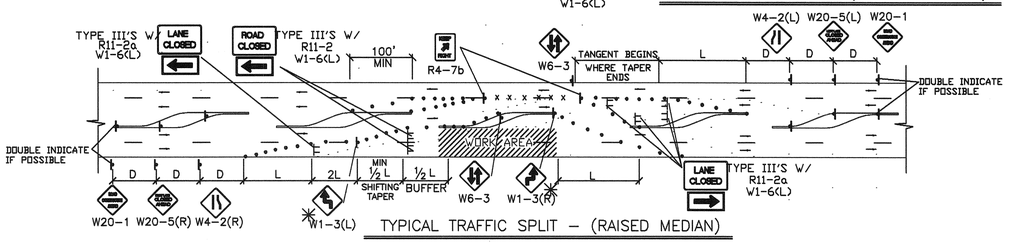


TYPICAL MID-BLOCK CLOSURE

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



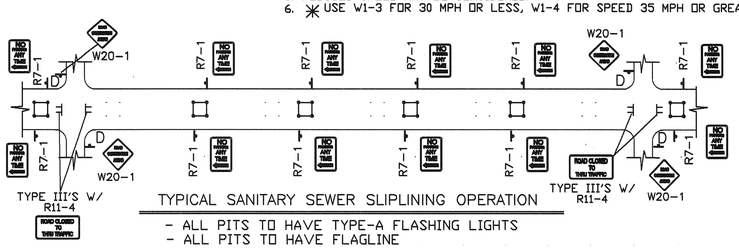
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT – (RAISED MEDIAN)

TRAFFIC SPLIT NOTES:

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



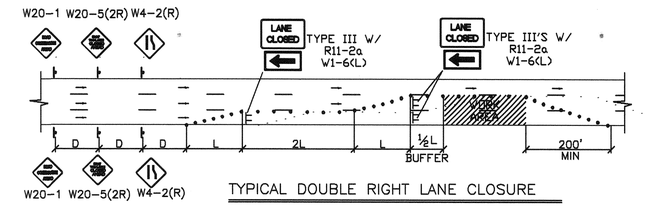
TYPICAL SANITARY SEWER SLIPLINING OPERATION

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

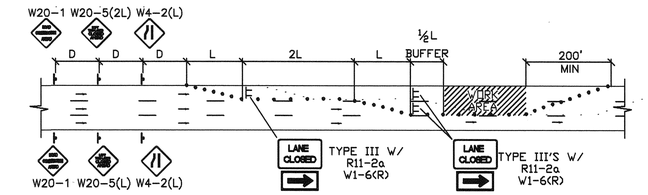
GENERAL NOTE:

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

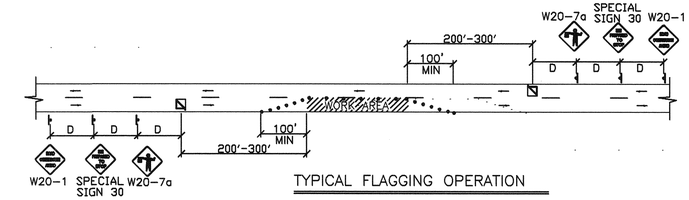
⚠ ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.



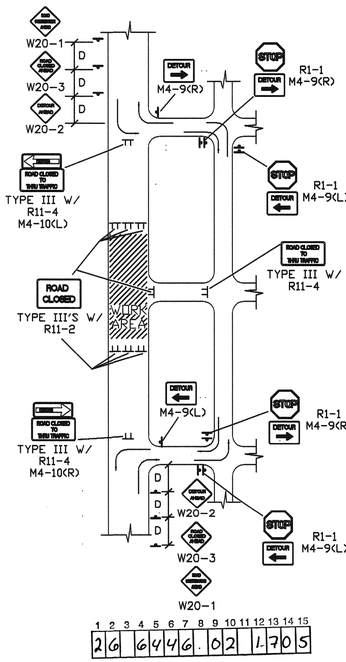
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE



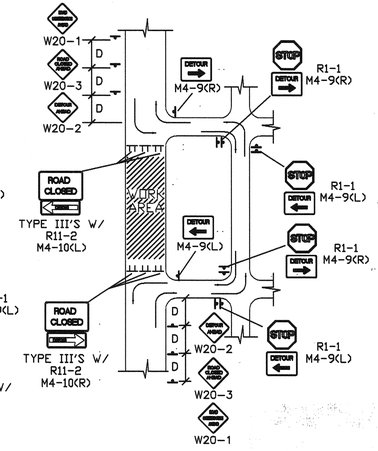
TYPICAL FLAGGING OPERATION



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2 6 6 4 4 6 . 0 2 L 7 0 5

TYPICAL STREET CLOSURE

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



TYPICAL STREET CLOSURE

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

RECORD DRAWINGS

Revisions by CNO Date 12/04/04

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SURVEY INFORMATION — FIELD NOTES — NO. — BY — DATE

BENCH MARKS

AS-BUILT INFORMATION — DATE — CONTRACTOR — WORK STARTED BY — DATE — INSPECTOR'S FIELD DISPATCHER BY — DATE — VERIFICATION BY — DATE — CORRECTED BY — DATE

MICRO-FILM INFORMATION — DATE — RECORDED BY — NO.

ENGINEER'S SEAL

COA STD.

NO.	DATE	BY	REMARKS
			REVISIONS
			DESIGN
1	9/24/97	U.D.L.	REVISED GENERAL NOTE
			DESIGNED BY BOHANNAN HUSTON DATE 5-97
			DRAWN BY BOHANNAN HUSTON DATE 5-97
			CHECKED BY BOHANNAN HUSTON DATE 5-97

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF MUTCD)

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
644602	E-20	17	17

CITYTRAF.DWG 6-11-97