



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

CONSTRUCTION PLANS
FOR

BOCA NEGRA
CANYON TRAIL

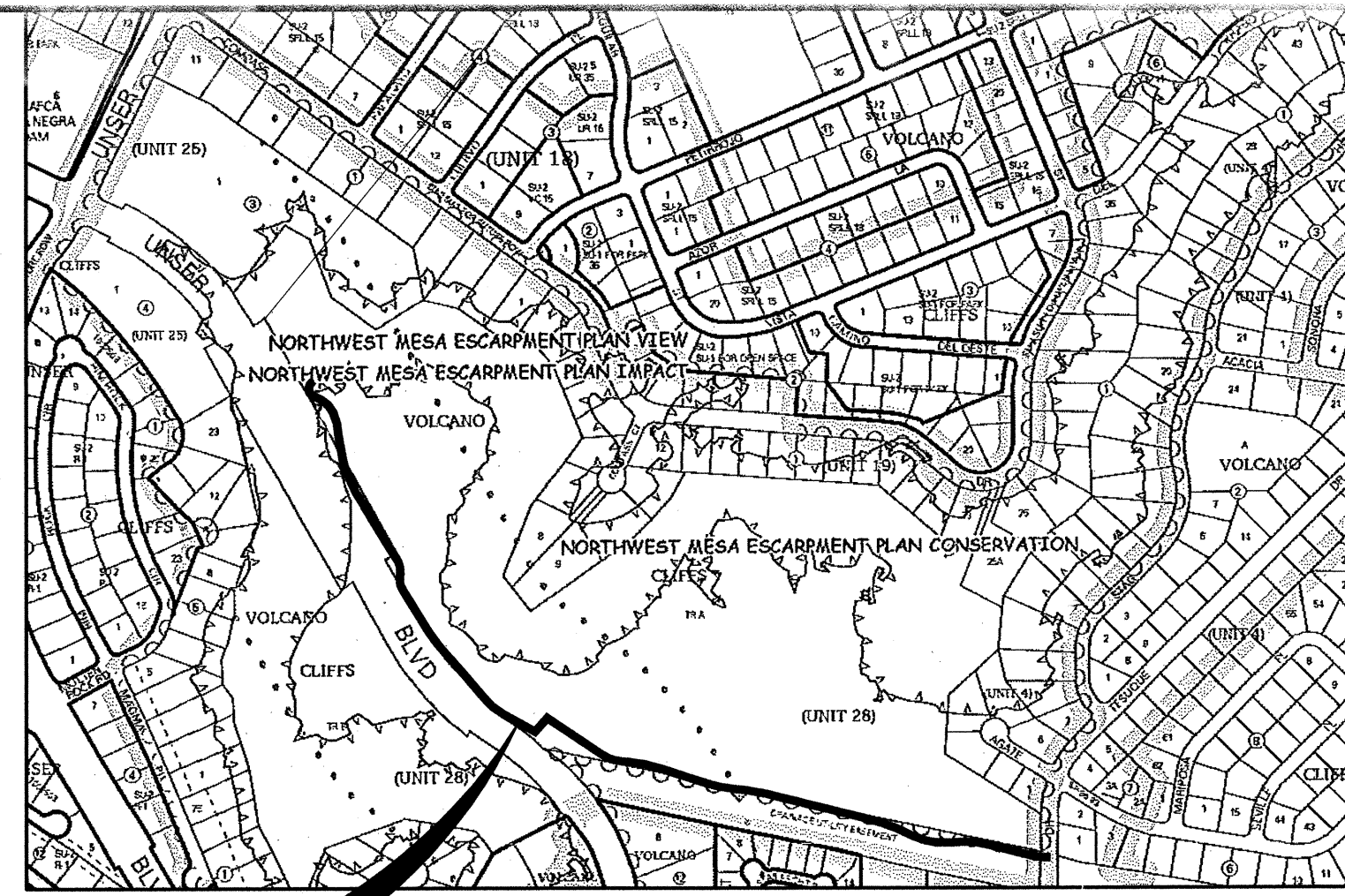
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GENERAL NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE ALBUQUERQUE TRAFFIC ENGINEERING DIVISION THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK REQUIRED REGARDING ALL EXISTING REGULATORY SIGNS AND SIGNALS THAT NEED TO BE REMOVED, RELOCATED, OR REINSTALLED. CALL 857-8680. REFER TO SECTION 18.4.4 OF THE SPECIFICATIONS.
2. THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR R.O.W. TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES. CONSTRUCTION LIMITS SHALL BE COORDINATED WITH CITY OPEN SPACE DIVISION.
3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELING PEDESTRIAN TRAFFIC AROUND ALL WORK AREAS THROUGHOUT THE CONSTRUCTION PERIOD.
4. A DISPOSAL SITE, COMPLYING WITH ALL CITY ORDINANCES, SHALL BE OBTAINED BY THE CONTRACTOR FOR THE DISPOSAL OF ALL EXCESS EXCAVATION MATERIAL, ASPHALTIC PAVEMENT (EXCEPT MILLED BITUMINOUS CONCRETE PAVEMENT) AND OTHER WASTE MATERIALS. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE OF THE LOCATION OF THE DISPOSAL SITE PRIOR TO THE REMOVAL AND ACTUAL DISPOSAL OF THE MATERIAL. ALL COSTS IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.
5. CONTRACTOR TO CAREFULLY FIELD REVIEW SITE TO ASSESS EXTENT OF TRASH REMOVAL. TRASH REMOVAL SHALL BE INCLUDED IN BID ITEM "CLEARING & GRUBBING".
6. ALL FINISHED GRADES AND PROFILES SHOWN ARE CENTERLINE GRADES, UNLESS OTHERWISE NOTED.
7. WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE TO NEAREST JOINT.
8. WHEN ABUTTING NEW PAVEMENT TO EXISTING PAVEMENT, SAW CUT EXISTING PAVEMENT IN A STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. PRIOR TO LAYING NEW PAVEMENT, THE EXPOSED EXISTING ASPHALT EDGE SHALL BE TACK-COATED.
9. CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION THAT MIGHT RESULT FROM PROJECT CONSTRUCTION. IT SHALL BE HIS RESPONSIBILITY TO PROTECT AND PRESERVE UTILITY EQUIPMENT AFFECTED BY PROJECT CONSTRUCTION. SHOULD HE BREAK AN EXISTING UTILITY LINE DURING CONSTRUCTION ACTIVITIES HE SHALL BE RESPONSIBLE FOR UTILITY REPAIR COSTS.
10. CONTRACTOR SHALL FIELD VERIFY LOCATION AND TYPE OF EXISTING UTILITIES TO BE ADJUSTED OR EXTENDED.
11. THE CONTRACTOR SHALL MEET ALL THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) AS WELL AS LOCAL REGULATIONS.
12. ROCK EXCAVATION SHALL BE THE HARD BASALT THAT CANNOT BE EXCAVATED WITH NORMAL EARTHMOVING EQUIPMENT PER COA SPECIFICATION 701.11.
13. THE CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY ENTITIES AS NEEDED FOR RELOCATION AND INSTALLATION OF PRIVATE UTILITIES. ENGINEER HAS NOTIFIED THE PRIVATE UTILITIES OF THIS PROJECT.
14. TEMPORARY EROSION FENCING (OR PERMANENT WALLS OR FENCING) SHALL BE USED TO PROTECT EXISTING RESIDENTIAL PROPERTY, STREETS LANDSCAPING AND THE DRAINAGE SYSTEMS FROM THE DEPOSITION OF ERODED MATERIAL.
15. CONSTRUCTION AREA SHALL BE CONTROLLED TO PREVENT TRESPASS USE BY 4WD'S, ORV'S AND MOTORCYCLES TO MINIMIZE NOISE, DUST, DESTRUCTION OF VEGETATION, WIND AND WATER EROSION.
16. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
17. WHENEVER ROCK IS ENCOUNTERED IN TRENCHES, A DEPTH OF 12" MINIMUM SHALL BE EXCAVATED BELOW OUTSIDE BOTTOM OF CONDUIT.
18. ALL DISTURBED AREAS OUTSIDE OF TRAIL SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH SECTION 1012 OF THE SPECIFICATIONS.



PROJECT LOCATION VICINITY MAP
ZONE ATLAS MAP NO. D-10-Z

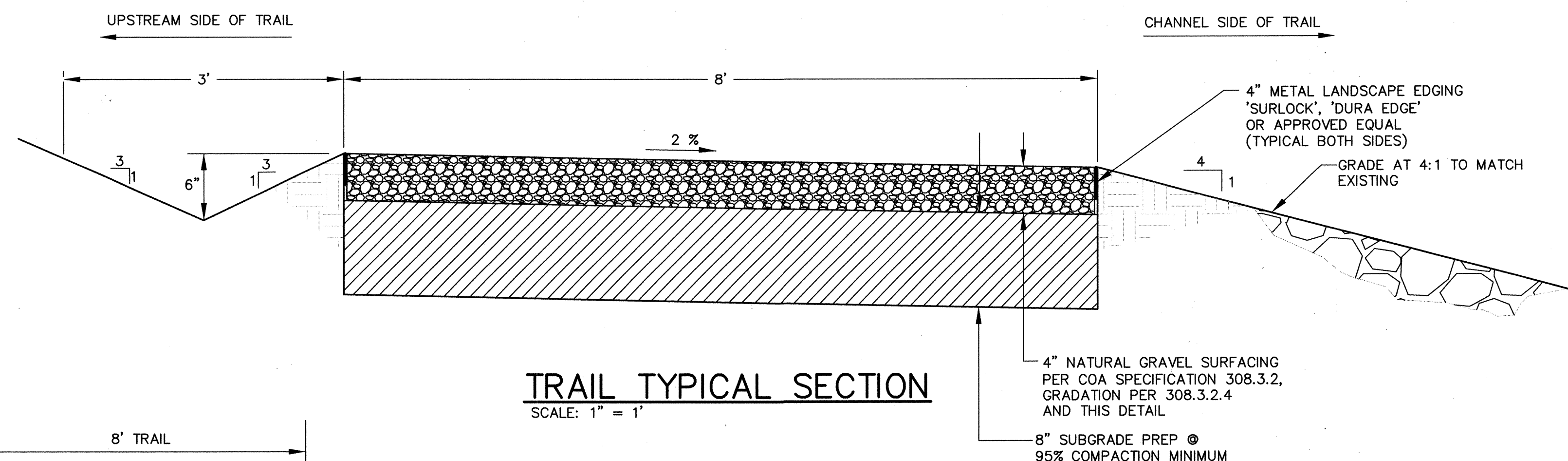
- NOTES**
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, AS AMENDED THROUGH UPDATE #7.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THE EXECUTION OF THE WATER VALVE SHUT-OFF PLAN WITH THE WATER AUTHORITY (857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER UTILITIES.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALLS SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATIONS DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- 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 COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR (24) CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- WHENEVER ROCK IS ENCOUNTERED IN TRENCHES, A DEPTH OF 12" MINIMUM SHALL BE EXCAVATED BELOW OUTSIDE BOTTOM OF CONDUIT.
- WHERE OBJECTS OF HISTORICAL, ARCHAEOLOGICAL, AND PALEONTOLOGICAL VALUE, INCLUDING RUINS, SITES, BUILDINGS, ARTIFACTS, FOSSILS, AND OTHER OBJECTS OF ANTIQUITY ARE ENCOUNTERED WITHIN THE AREAS ON WHICH CONTRACTOR'S OPERATIONS ARE PERFORMED, CONTRACTOR SHALL POSTPONE OPERATIONS IN THE AREA, PRESERVE SUCH OBJECTS FROM DISTURBANCE OR DAMAGE, AND IMMEDIATELY NOTIFY OWNER AND ENGINEER OF THEIR EXISTENCE AND LOCATION.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE COA.
- THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED:
- ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
 - ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
 - ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
 - ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
 - ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
 - ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

UTILITY CONTACTS

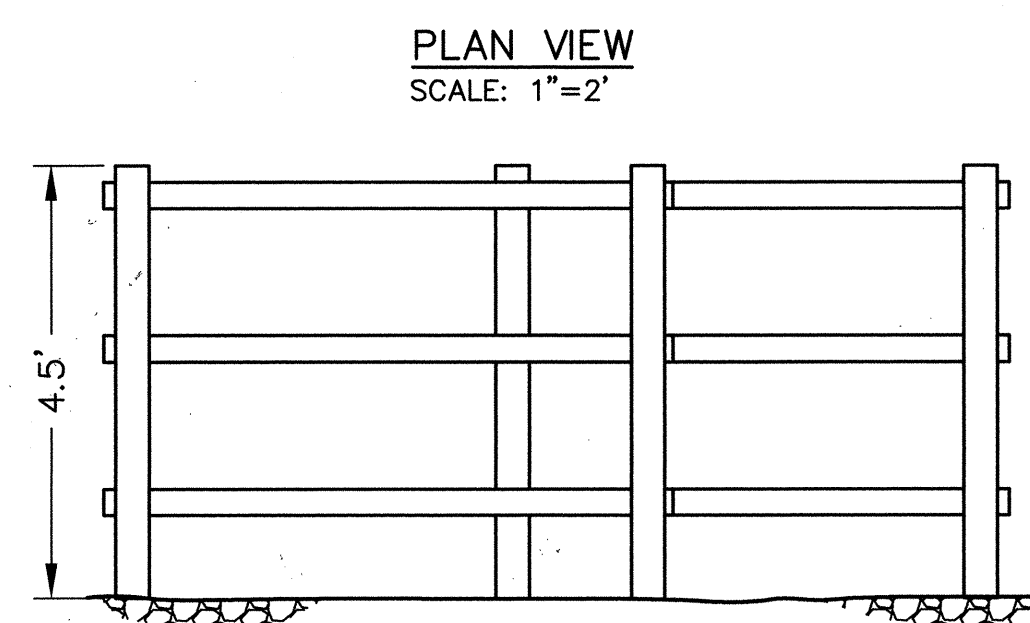
COMPANY	PHONE	MOBILE	CONTACT
ABCWUA	768-2729		NANCY MUSINSKI
PNM - ELECTRIC	241-3305		EARL HOSKINS
PNM - GAS	241-3305		EARL HOSKINS
QWEST	245-6374		ROSA KNIFFIN
COMCAST	761-6221		ROBERT MARTINEZ

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman	<i>D. Wilson</i>	8/4/08	APPROVED FOR CONSTRUCTION		
		Traffic Engineering	<i>[Signature]</i>	7/14/08			
		Water Authority	<i>[Signature]</i>	7/14/08			
		Hydrology	<i>[Signature]</i>	7/14/08			
		Parks	<i>[Signature]</i>	7/14/08			
		Geotech. Mngmt.					
		Constr. Coord.					
City Project No.		763385		Sheet		Of	
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SCALE: 1" = 1'



PLAN VIEW
SCALE: 1"=2'

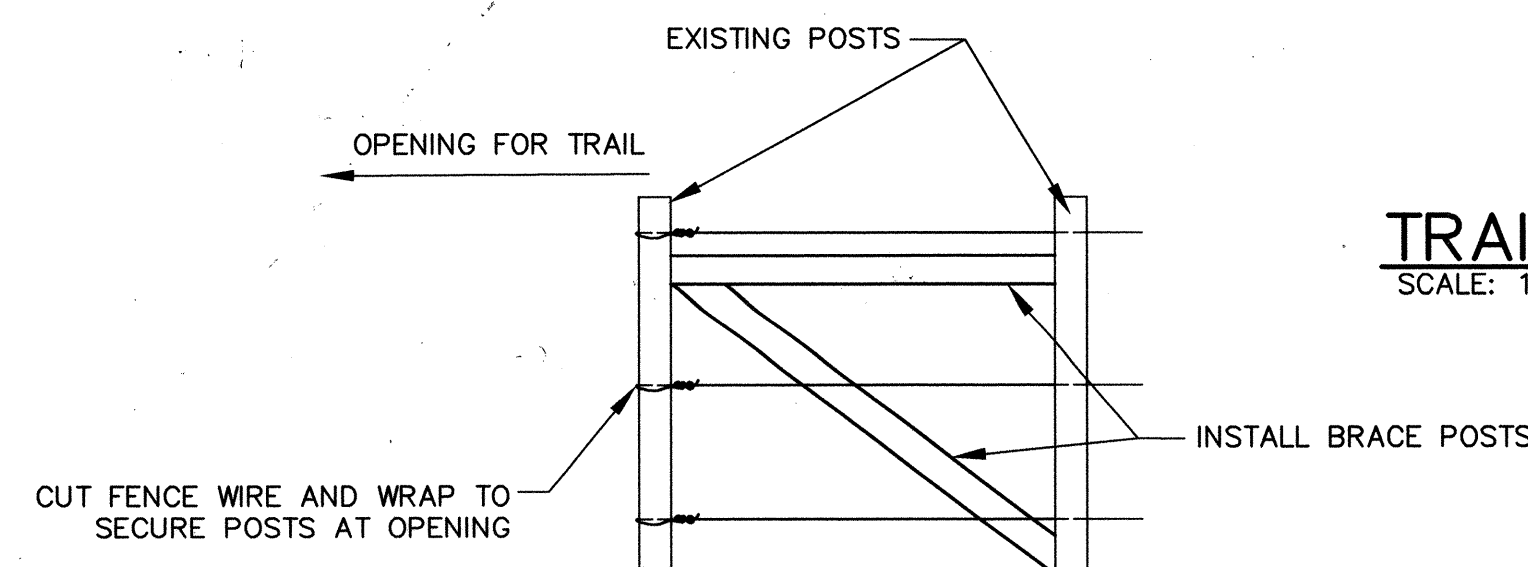
ELEVATION VIEW
SCALE: 1"=2'



TRAIL TIE DETAIL@

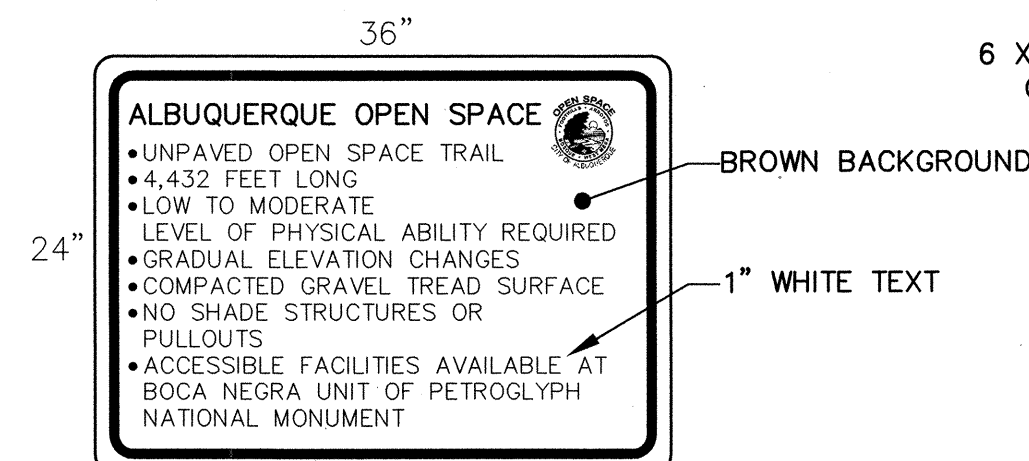
TRAILHEAD AND PARK ENTRANCE ROAD

SCALE: 1" = 2'



FENCE POST BRACE DETAIL

SCALE: 1"=2'



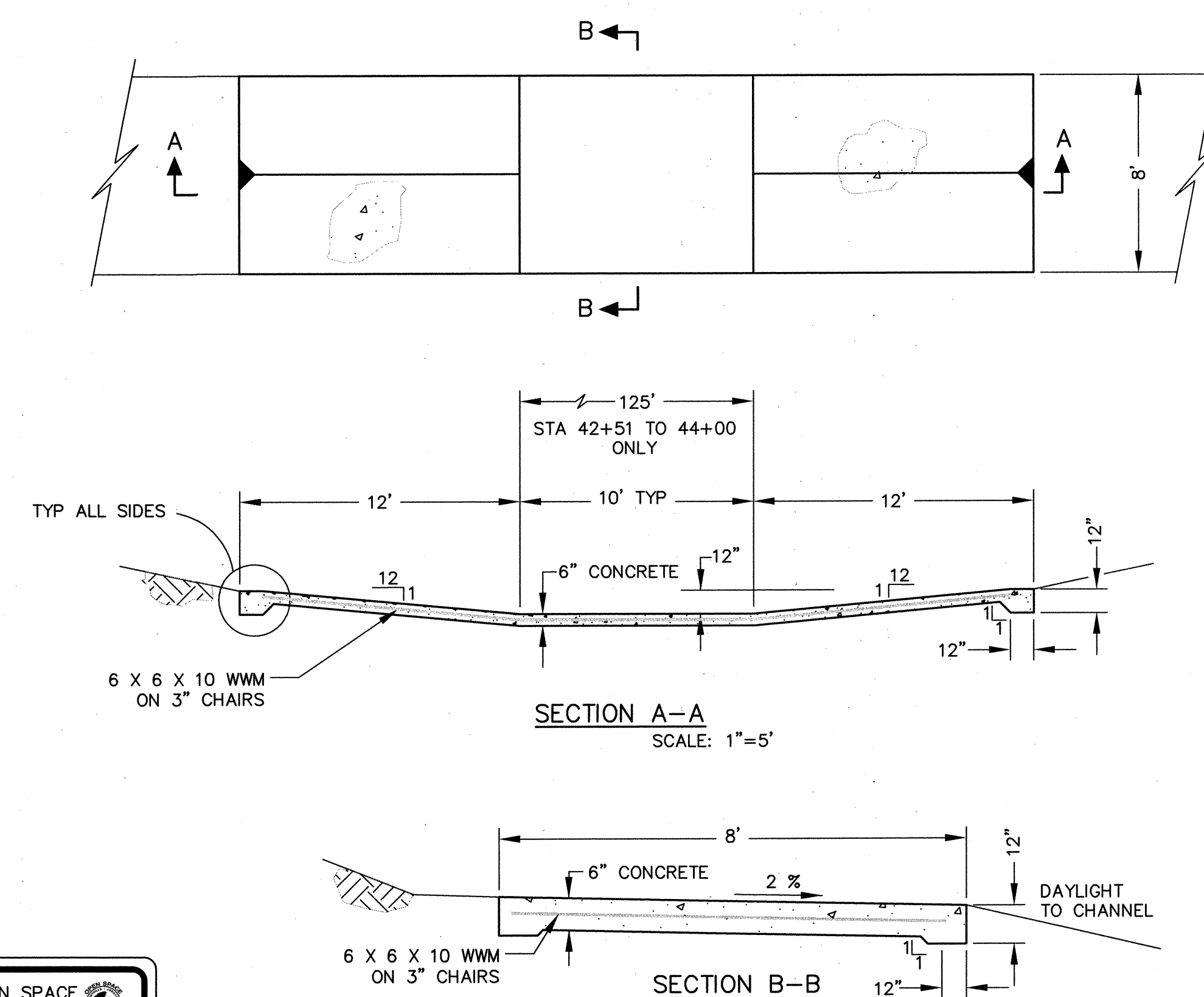
TRAIL INFORMATION SIGN DETAIL

SCALE: 1"=1



W8-5&41-0336

SIGN DETAIL



LOW WATER CROSSING DETAIL

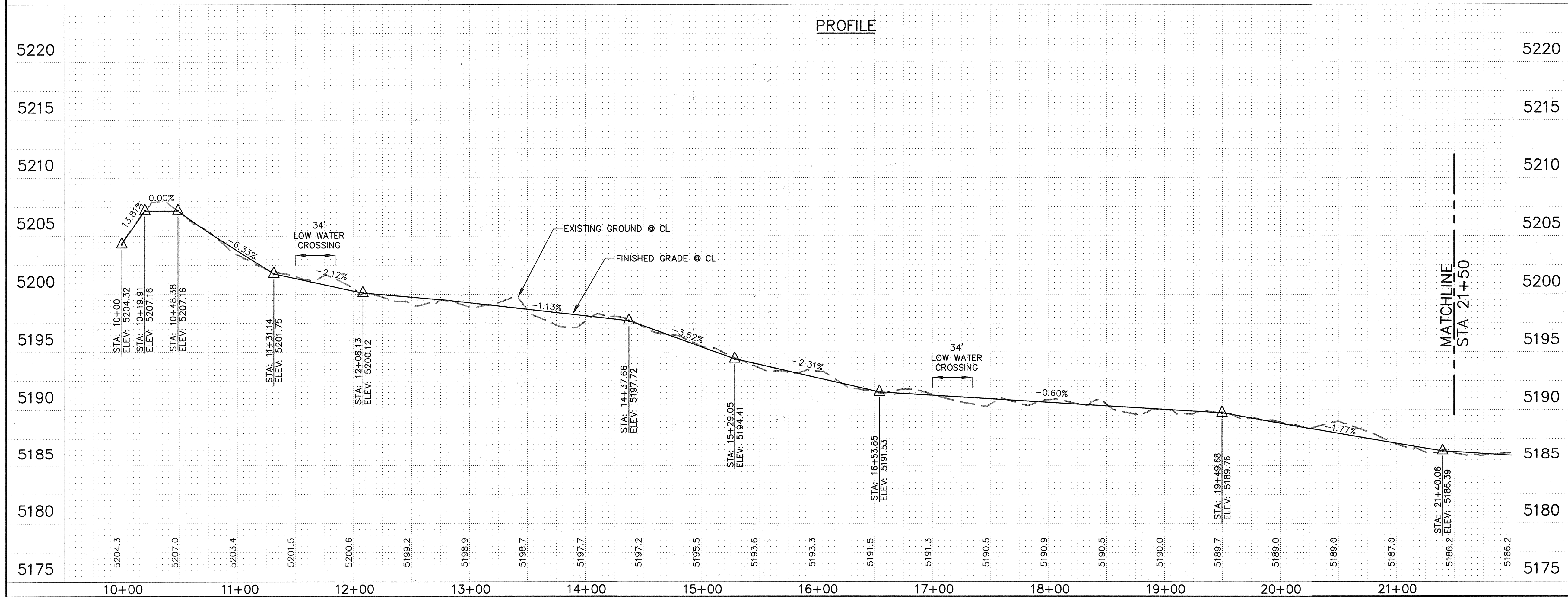
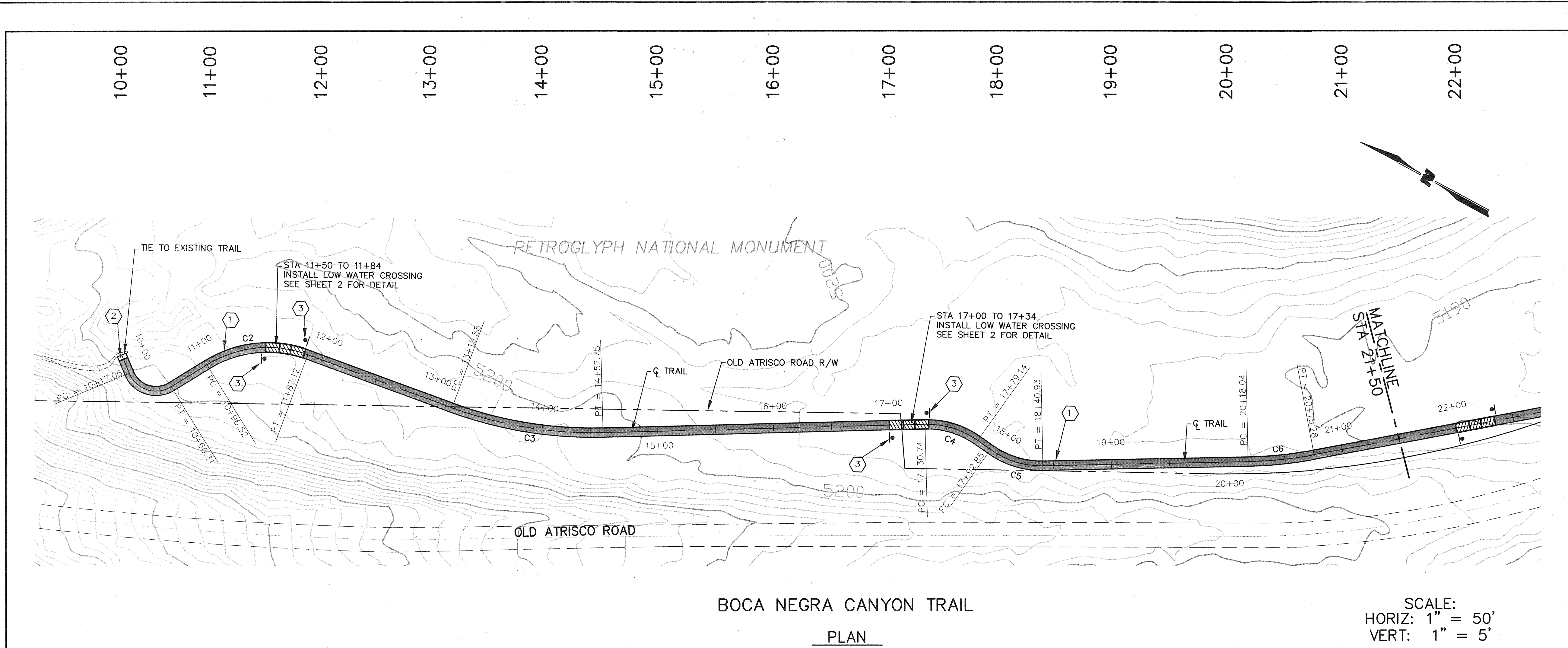
SCALE: 1" = 2'

ENGINEER'S SEAL			SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
				FIELD NOTES	THE STATION IS A 1 3/4" ALUMINUM DISK STAMPED "ACS BM 18-D10" 32.5 FT. NE OF THE CENTERLINE OF UNSER BLVD., 0.11 MI. SE OF 81 ST. STREET NW AT THE NW BOUNDARY OF THE INDIAN PETROGLYPH PARK OBSERVATION AREA. SET ON TOP OF A LAVA ROCK. IN A VOLCANIC ROCK OUTCROPPING. (NAVD 1988), ELEV. = 5310.460 FT.		CONTRACTOR	
			NO.	BY	DATE		WORKED BY	DATE
							INSPECTOR'S	DATE
							ACCEPTANCE BY	DATE
							VERIFICATION BY	DATE
							DRAWINGS	DATE
			MICRO-FILM INFORMATION					
			RECORDED BY					
WILSON & COMPANY, ENGINEERS & ARCHITECTS DESIGNED BY DSA DATE APRIL 2008 DRAWN BY RKS DATE APRIL 2008								

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DETAILS

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

Sheet 2 Of 5



PAVING CONSTRUCTION NOTES

I.D.# DESCRIPTION

1 SEE SHEET 2 FOR TYPICAL SECTION

2 SEE SHEET 2 FOR TRAIL TIE DETAILS

3 SEE SHEET 2 FOR SIGN DETAIL

NOTE: SLOPES SHOWN ARE TO SHOW INTENT. CONTRACTOR SHALL GRADE FOR SMOOTH TRAIL WITH MINIMAL DISTURBANCE.

CURVE TABLE

CURVE	LENGTH	RADIUS
C1	43.26	25.00
C2	90.60	100.00
C3	132.88	350.00
C4	48.39	75.00
C5	48.07	75.00
C6	57.24	350.00

AS-BUILT INFORMATION

CONTRACTOR

DATE

INSPECTOR'S

DATE

ACCEPTANCE BY

DATE

DRAWINGS BY

DATE

VERIFICATION BY

DATE

MICRO-FILM INFORMATION

RECORDED BY

DATE

NO.

BENCH MARKS

THE STATION IS A 1 3/4" ALUMINUM DISK STAMPED "ACS BM 18-D10" 32.5 FT. NE OF THE CENTERLINE OF UNSER BLVD. 0.11 MI. SE OF 81 ST. STREET NW AT THE NW BOUNDARY OF THE INDIAN PETROGLYPH PARK OBSERVATION AREA, SET ON TOP OF A LAVA ROCK IN A VOLCANIC ROCK OUTCROPPING. (NAVD 1989). ELEV. = 5310.460 FT.

SURVEY INFORMATION

FIELD NOTES

DATE

BY

NO.

ENGINEER'S SEAL

REVISIONS

NO. DATE

REMARKS

BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY DSA

DATE APRIL 2008

DRAWN BY RKS

DATE APRIL 2008

CHECKED BY DSA

DATE APRIL 2008

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

BOCA NEGRA CANYON TRAIL
PAVING PLAN & PROFILE
STA: 10+00 TO 21+50

Design Review Committee

APPROVED

AUG 04 2008

DESIGN REVIEW COMMITTEE

City Engineer Approval

APPROVED

SEP 26 2008

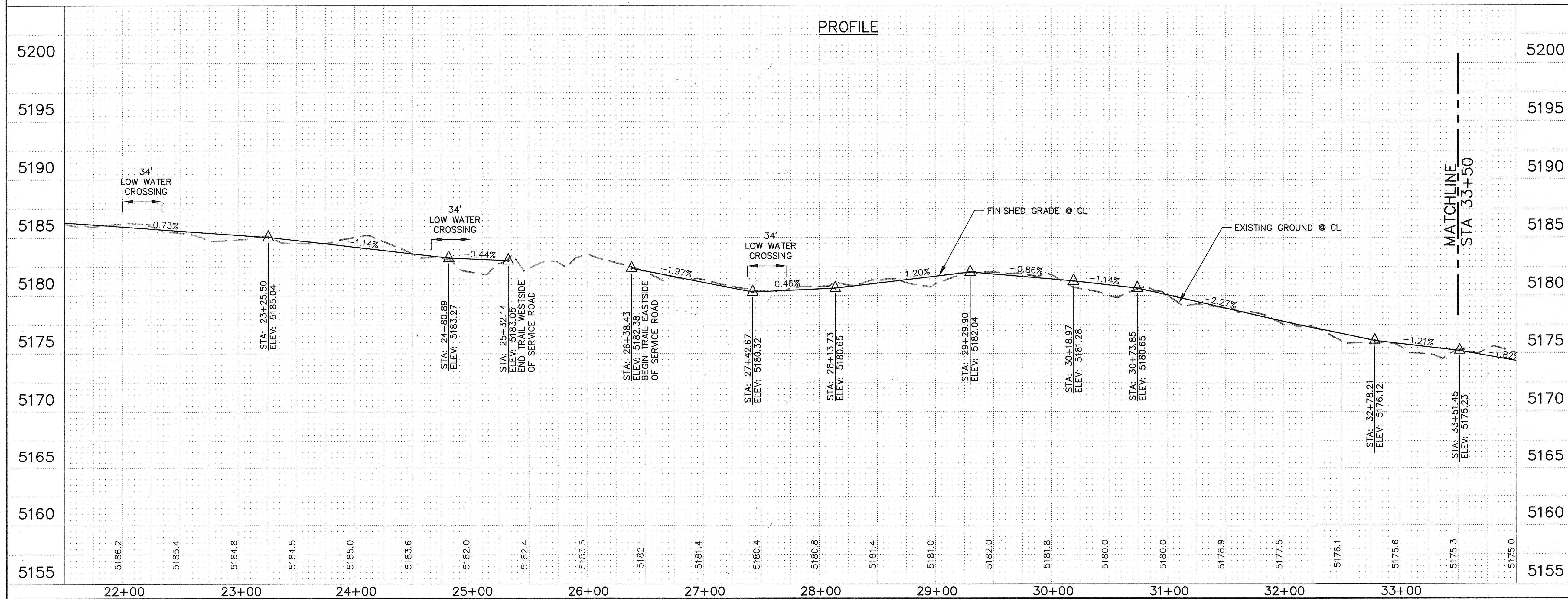
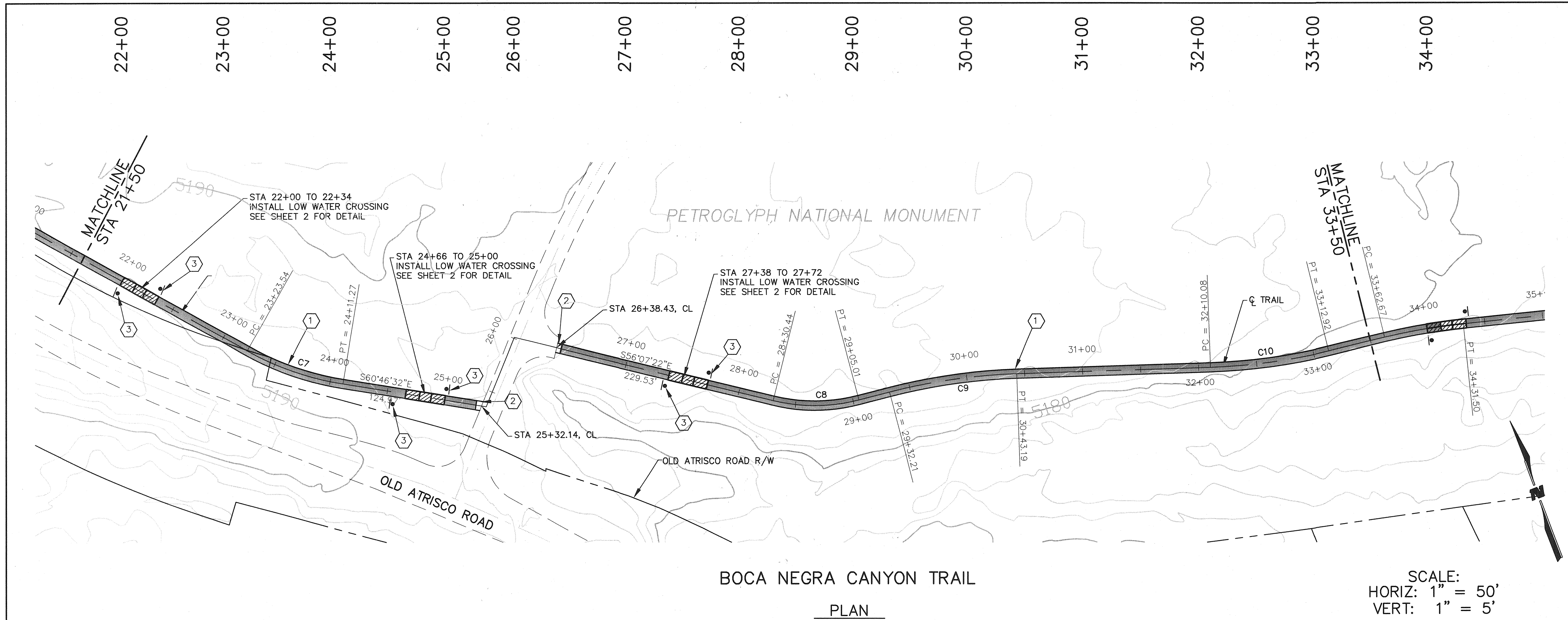
CITY ENGINEER

City Project No. 763385

Zone Map No. D-10-Z

Sheet 3 Of 5

WILSON & COMPANY



PAVING CONSTRUCTION NOTES

I.D.#

DESCRIPTION

1

SEE SHEET 2 FOR TYPICAL SECTION

2

SEE SHEET 2 FOR TRAIL TIE DETAILS

3

SEE SHEET 2 FOR SIGN DETAIL

NOTE: SLOPES SHOWN ARE TO SHOW INTENT. CONTRACTOR SHALL GRADE FOR SMOOTH TRAIL WITH MINIMAL DISTURBANCE.

CURVE TABLE		
CURVE	LENGTH	RADIUS
C7	87.73	250.00
C8	74.56	150.00
C9	110.99	500.00
C10	102.84	500.00

AS-BUILT INFORMATION

CONTRACTOR

WORK ORDER NO.

DATE

INSPECTOR'S ACCEPTANCE BY

DATE

DRAWINGS VERIFICATION BY

DATE

MICRO-FILM INFORMATION

RECORDED BY

DATE

BENCH MARKS

THE STATION IS A 1 3/4" ALUMINUM DISK STAMPED "ACS BM 18-D10" 32.5 FT. NE OF THE CENTERLINE OF UNSER BLVD. 0.11 MI. SE OF 81 ST. STREET NW AT THE NW BOUNDARY OF THE INDIAN PETROGLYPH PARK OBSERVATION AREA. SET ON TOP OF A LAVA ROCK. IN A VOLCANIC ROCK OUTCROPPING. (NAVD 1988). ELEV. = 5310.460 FT.

SURVEY INFORMATION

FIELD NOTES

DATE

BY

NO.

ENGINEER'S SEAL

REVISIONS

NO.

DATE

BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY

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DRAWN BY

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CHECKED BY

DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

BOCA NEGRA CANYON TRAIL
PAVING PLAN & PROFILE
STA: 21+50 TO 33+50

Design Review Committee

APPROVED

AUG 04 2008

DESIGN REVIEW COMMITTEE

City Engineer Approval

APPROVED

SEP 06 2008

CITY ENGINEER

City Project No. 763385

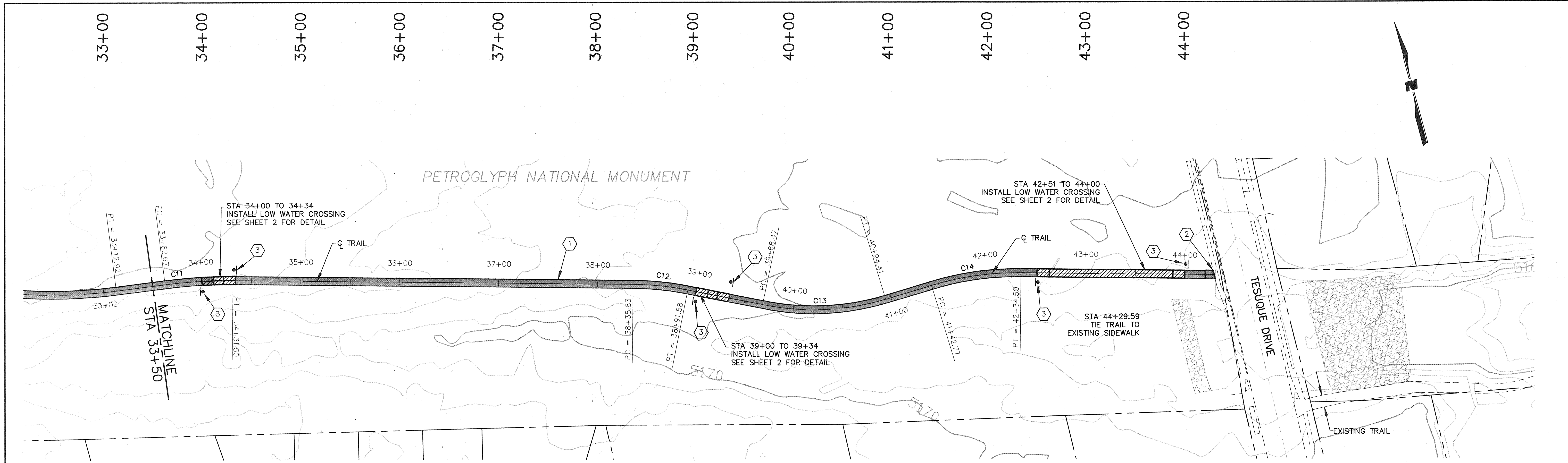
Zone Map No. D-10-Z

Sheet 4 of 5

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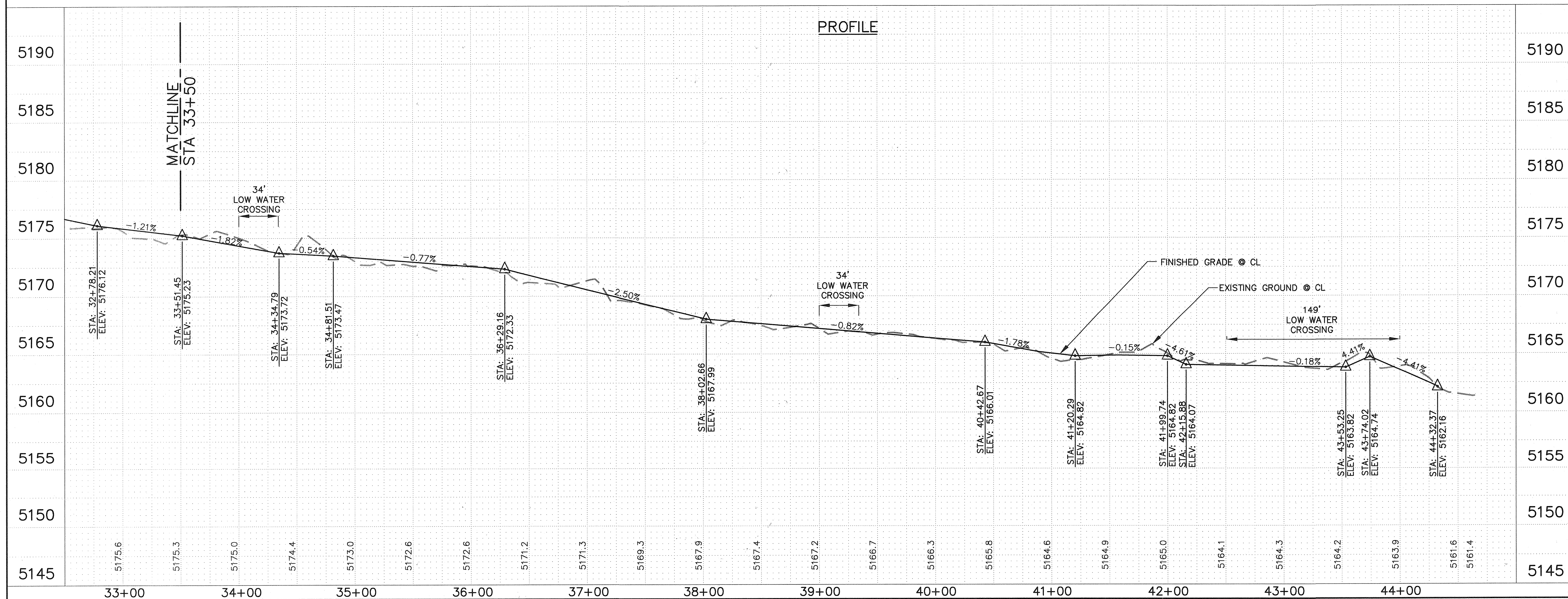
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BOCA NEGRA CANYON TRAIL

PLAN

SCALE:
HORIZ: 1" = 50'
VERT: 1" = 5'



PROFILE

PAVING CONSTRUCTION NOTES	
I.D.#	DESCRIPTION
1	SEE SHEET 2 FOR TYPICAL SECTION
2	SEE SHEET 2 FOR TRAIL TIE DETAILS
3	SEE SHEET 2 FOR SIGN DETAIL

NOTE: SLOPES SHOWN ARE TO SHOW INTENT. CONTRACTOR SHALL GRADE FOR SMOOTH TRAIL WITH MINIMAL DISTURBANCE.

CURVE TABLE		
CURVE	LENGTH	RADIUS
C11	68.83	500.00
C12	91.74	300.00
C13	125.94	250.31
C14	91.74	300.00

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

BOCA NEGRA CANYON TRAIL
PAVING PLAN & PROFILE
STA: 33+50 TO 44+32.37

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED AUG 04 2008 DESIGN REVIEW COMMITTEE	SEP 26 2008 CITY ENGINEER		

AS-BUILT INFORMATION	
CONTRACTOR	DATE
WORK	DATE
INSPECTOR'S	DATE
ACCEPTANCE BY	DATE
VERIFICATION BY	DATE
DRAWINGS	DATE
BY	DATE
RECORDED BY	DATE
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BENCH MARKS	
THE STATION IS A 1 3/4" ALUMINUM DISK STAMPED "ACS BM 18-D10" 32.5 FT. NE OF THE CENTERLINE OF UNSER BLVD. 0.11 MI. SE OF 81 ST. STREET NW AT THE NW BOUNDARY OF THE INDIAN PETROGLYPH PARK OBSERVATION AREA. SET ON TOP OF A LAVA ROCK IN A VOLCANIC ROCK OUTCROPPING. (NAVD 1988).	
ELEV. = 5310.460 FT.	

SURVEY INFORMATION	
FIELD NOTES	DATE
NO.	BY

ENGINEER'S SEAL	
11955	REGISTERED PROFESSIONAL ENGINEER

REVISIONS	
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