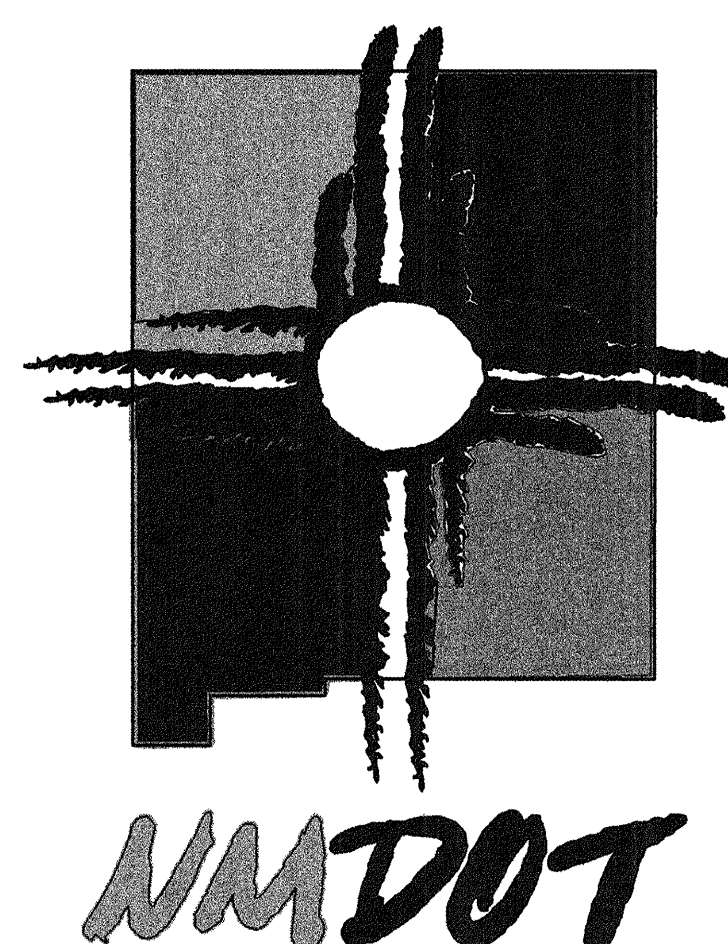


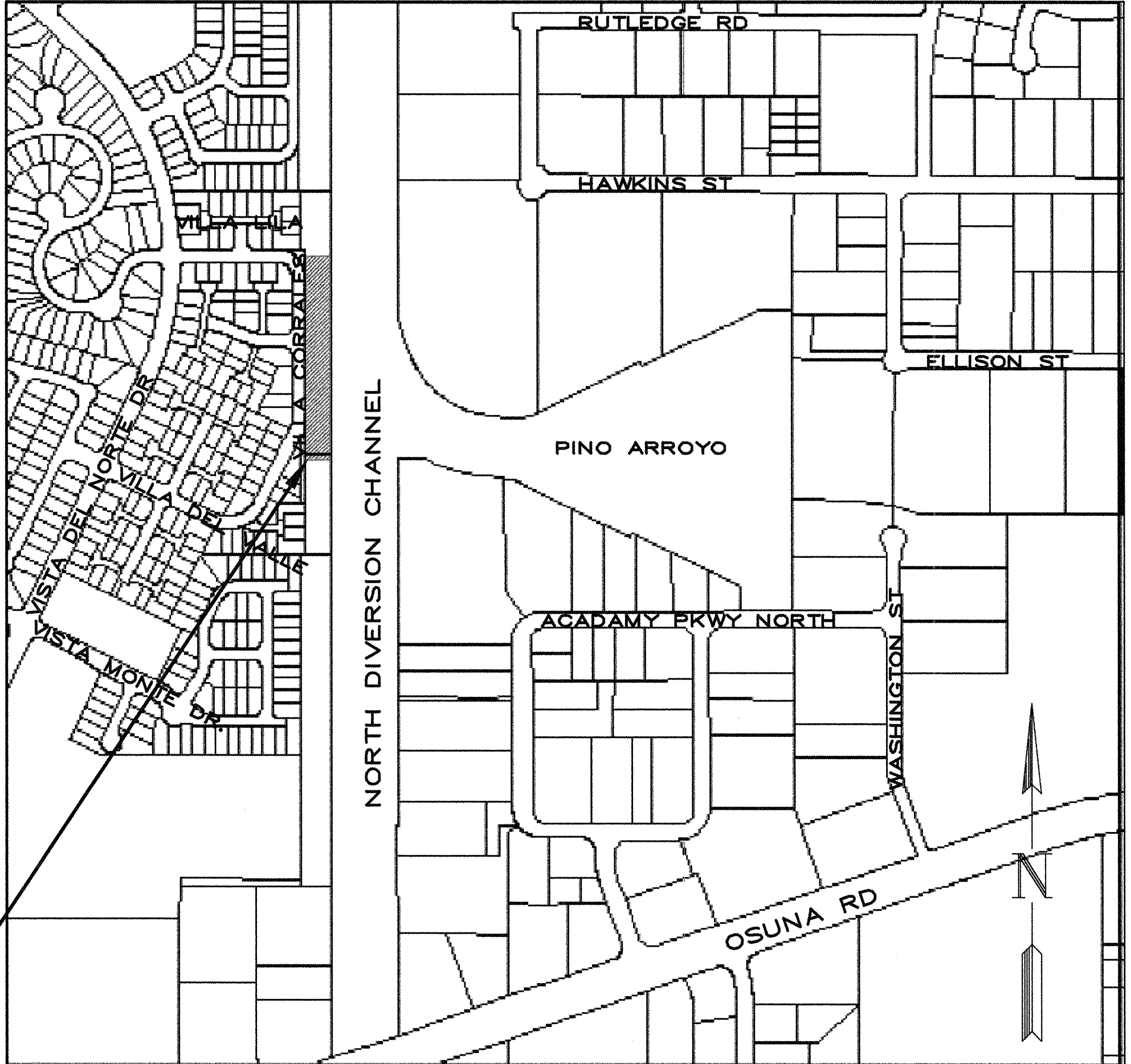
JOURNAL CENTER TRAILS VISTA DEL NORTE CONNECTION

CONSTRUCTION PLANS ALBUQUERQUE, NEW MEXICO

NM PROJECT NO. TPE-7701 (38)
CN 7107



SITE



VICINITY MAP

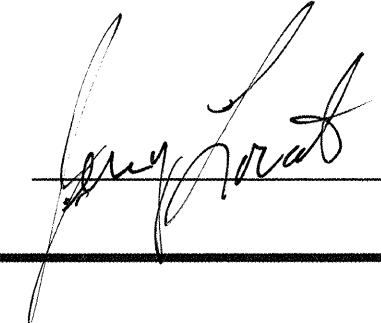
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INDEX OF SHEETS

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4 OF 7	SIGNING AND MISCELLANEOUS QUANTITIES
5 OF 7	PLAN AND PROFILE
6 OF 7	TYPICAL SECTIONS AND DETAILS
7 OF 7	EARTHWORK SECTIONS

FOR INFORMATION ONLY

RECORD DRAWINGS
Revisions by END Date 1/17/06
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.

APPROVED: 

AMAFCA

DATE: 8/2/04

APPROVAL OF RECORD DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE

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

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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 (UP TO AND INCLUDING UPDATE 7).

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 20%.
- 5) ALL SIDESLOPE 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.
- 7) 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.
- 8) THE CONTRACTOR SHALL WARP SLOPES WHERE NECESSARY TO STAY WITHIN THE RIGHT-OF-WAY OR CONSTRUCTION LIMITS, OR TO MEET EXISTING STRUCTURES.
- 9) ALL EXCAVATION SHALL BE GOVERNED BY FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 10) 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

- 11) 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.
- 12) 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 GAINED BY THE CONTRACTOR BEFORE DISPOSAL SITES ARE ACCEPTED.

HAZARDOUS SPILLS REQUIREMENTS

- 13) 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 827-9329. NON-EMERGENCIES MAY BE REPORTED TO 428-2500.

ENVIRONMENTAL COMPLIANCE

- 14) 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 CONTACT FOR THE STATE OF NEW MEXICO AT (505) 827-2855. THE CONTRACTOR IS RESPONSIBLE FOR SECURING ALL PERMITS REQUIRED BY FEDERAL, STATE, AND CITY REGULATIONS FOR NPDES COMPLIANCE.
- 15) 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

- 16) 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.
- 17) 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 RELOCATION OF UTILITY LINES.
- 18) 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.
- 19) 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

- 20) THE CONTRACTOR IS TO COORDINATE ALL WORK WITH THE PROJECT MANAGER.
- 21) 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 THEREFORE.
- 22) ALL EXISTING TREES, SHRUBS OR 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.
- 23) 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.
- 24) 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.
- 25) THE CONTRACTOR SHALL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR RIGHT-OF-WAY LIMITS.
- 26) 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.
- 27) 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.
- 28) 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 (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE COA STANDARD SPECIFICATIONS.
- 29) 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.
- 30) THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN A TRAFFIC CONTROL DIARY, WHICH SHALL BE AVAILABLE FOR REVIEW BY THE CITY AND /OR HIGHWAY DEPARTMENT PROJECT MANAGERS. COST OF THIS WORK IS TO BE INCLUDED IN THE UNIT BID PRICE FOR BID ITEM 0019.01 CONSTRUCTION TRAFFIC CONTROL.

- 31) 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.

- 32) 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.

- 33) 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.

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

- 35) REMOVE AND REPLACE PAVEMENT 1' WIDE ADJACENT TO LIP OF GUTTER WHEN CONSTRUCTING CURB AND GUTTER ADJACENT TO EXISTING ASPHALT CONCRETE PAVEMENT, UNLESS PRIOR APPROVAL IS OBTAINED FROM THE ENGINEER. REFERENCE COA STANDARD DRAWING #2415.

- 36) 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.

- 37) PROVIDE 4" WIDE SOLID YELLOW CENTER LINE ON ASPHALT TRAIL APPROXIMATELY 50' BACK FROM END OF CONCRETE RAMP, UNLESS OTHERWISE SHOWN ON PLAN.

- 38) 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. NO SEEDING SHALL OCCUR WITHIN TWO FEET (2') OF EDGE OF ASPHALT TRAIL (COMPACTED SHOULDER).

- 39) 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.

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

CONSTRUCTION STAKING

- 41) 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.

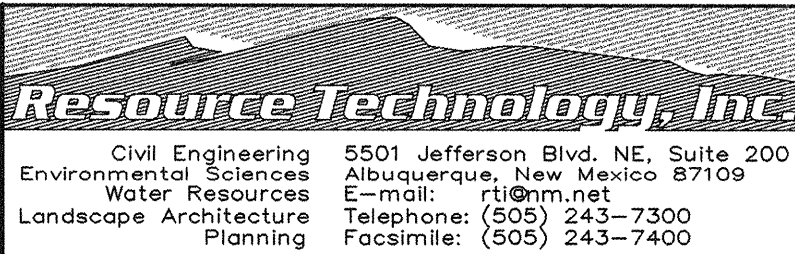
CONSTRUCTION SURVEYING

- 42) 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	CONTACT	PHONE NO.
AT&T	DAVID CROWEL	842-2911
CITY OF ALBUQUERQUE	GREG OLSON	768-2719
COMCAST	RITA ERICKSON	761-6235
LEVEL 3 COMMUNICATIONS	ROGER WEATHERS	720-888-5688
MCI WORLDCOM	ANDY DARNELL	346-4470
McLEOD USA	RICK MUELLER	244-3161
NEW MEXICO UTILITIES	BOB GAY	898-2661
PNM-ELECTRIC	MARK BOUCHARD	241-3402
PNM-GAS	JEFF ROMANOWSKI	241-7745
QWEST	DAVID MULLER	245-8706
QWEST LONG DISTANCE	LARRY KELLY	244-4062
TIME WARNER TELECOM	ROYAL HARRISON	938-7339
UNIVERSAL ACCESS, INC	JAIME MARTINEZ	328-2675
XSPEDIUS MANAGEMENT CO.	STEVE BENJAMIN	998-2220

FOR INFORMATION ONLY



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

TITLE: **TRAIL CONNECTION
TO VISTA DEL NORTE SUBDIVISION
PLAN AND PROFILE**

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED SEP 21 2004 DESIGN REVIEW COMMITTEE	APPROVED SEP 21 2004 CITY ENGINEER			

COA PROJECT # **630195** MAP **D-16-Z**
NMDOT # **TPE-7701 (38)** NO. **E-16-Z**

SHEET **2** OF **7**

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		FIELD NOTES		NO.		BY		DATE		REMARKS		DESIGN		RMO & CAT		RMO & CAT		RMO		DATE	
CONTRACTOR	Plani Co.	STATION NAME	ACS MONUMENT "NAA-8"	NO.	BY	DATE																					
WORK BY	J. Gallegos																										
SURVEYED BY	L. Polite																										
ACCEPTANCE BY	L. Polite																										
FIELD LAYOUT BY	RMO																										
DRAWINGS CORRECTED BY	RMO																										
MICRO-FILM INFORMATION																											
RECORDED BY																											
NO.																											

NORTHING: 1,513,713.15
EASTING: 393,902.61
ELEVATION: 5075.02

SUMMARY OF QUANTITIES

[illegible]

INCIDENTAL ITEMS		
DESCRIPTION	LOCATION	INCIDENTAL TO BID ITEM NO.
WATER FOR GEN. PROJECT USE	PROJECT	6.050
PAINT FOR 2-BAR RAILING	PROJECT	410.109
GRANULAR FILL FOR CMU WALL FOOTING	10+22 TO 11+68, RIGHT 12+16 TO 13+96, RIGHT	540.029
EARTHWORK HAUL	PROJECT	205.010
NEW TERMINAL POSTS FOR EXISTING WIRE FENCE	STA. 16+35 (+/-)	410.379

Resource Technology, Inc.

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

FOR INFORMATION ONLY

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

TITLE: TRAIL CONNECTION
TO VISTA DEL NORTE SUBDIVISION
MISCELLANEOUS QUANTITIES

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
 APPROVED SEP 21 2004 DESIGN REVIEW COMMITTEE	 APPROVED SEP 21 2004 CITY ENGINEER	Last Design Update	

COA PROJECT #	630195	MAP	D-16-Z
NMDOT #	TPE-7701 (38)	NO.	E-16-Z

		<i>REVISIONS</i>		
	NO.	DATE	REMARKS	BY
DESIGN				
DESIGNED BY	RMO & CAT	DATE	JUNE 2003	
DRAWN BY	RMO & CAT	DATE	JAN 2004	
CHECKED BY	RMO	DATE	FEB 2004	

BENCH MARKS		AS BUILT INFORMATION	
STATION NAME:	ACS MONUMENT "NAA-8"	CONTRACTOR	<i>Khani Co.</i>
		WORK STARTED BY:	<i>J. Gallagos</i>
		DATE OF WORK	<i>DATE 9/08</i>
		ACCEPTANCE BY	<i>L. Kshke</i>
		FIELD VERIFICATION BY	<i>EMO</i>
		DATE	<i>1/06</i>
		DRAWINGS	<i>EMO</i>
		CORRECTED BY	<i>EMO</i>
		<i>MICRO-FILM INFORMATION</i>	
NORTHING:	1513.71315	RECORDED BY	DATE
EASTING:	393.90261	NO.	
ELEVATION:	5075.02		

SURVEY INFORMATION

ENGINEERS: SFAI

BENCH MARKS

AS BUILT INFORMATION

SURFACING QUANTITIES				301.020 – TRAIL SUBGRADE PREP, 12"		301.030 – SHOULDER COMPACTION, 6"		336.054 3" ASPHALT PAVING		340.020 – 6" PCC DRIVEPAD/WHLCHR. RAMP	
DESCRIPTION	BEGIN STATION	END STATION	LENGTH (FT)	WIDTH (FT)	SY	WIDTH (FT)	SY	WIDTH (FT)	SY	WIDTH (FT)	SY
CONC. 6" DRIVEPAD/RAMP	10+00	10+13	13			INCIDENTAL				9	24
ASPHALT TRAIL CONNECTION	10+13	10+22	9	9.5	10	4	4	8.5	9		
ASPHALT TRAIL – EXTRA WIDTH	10+22	11+44	122	12	163	2	27	11	149		
ASPHALT BIKE TRAIL	11+44	12+26	82	9	82	4	36	8	73		
ASPHALT TRAIL – EXTRA WIDTH	12+26	13+90	164	12	219	4	73	11	200		
ASPHALT BIKE TRAIL	13+90	15+89	199	9	199	4	88	8	177		
ASPHALT TRAIL – EXTRA WIDTH	15+89	16+45	56	10	62	4	25	9	56		
ASPHALT BIKE TRAIL – SB CXN.	16+45	17+11	66	9	66	4	29	8	59		
ASPHALT BIKE TRAIL – NB CXN.	16+25	17+13	88	9	88	4	39	8	78		
TOTALS					889		321		801		24

SURFACING DEMOLITION QUANTITIES					343.08 – CONC. CURB AND GUTTER, R&D		343.020–SAWCUT & REMOVE ASPHALT < 4"	
DESCRIPTION	BEGIN STATION	END STATION	LOCATION	LENGTH (FT)	LF		WIDTH (FT)	SY
CONCRETE CURB & GUTTER – R&D	10+00	10+00	7' LT TO 6' RT		13			
ASPHALT–SAWCUT & REMOVE	17+12	17+13 N.B.	12.5' LT TO 12.5 RT	1			25.00	3
ASPHALT–SAWCUT & REMOVE	17+10	17+11 S.B.	12.5' LT TO 12.5' RT	1			25.00	3
TOTALS					13			6

RAILINGS, FENCING, AND GUARD POST QUANTITIES				410.109 2–BAR SAFETY RAIL	410.399 – WIRE FENCE REMOVE AND DISPOSE	410.379 – NEW WIRE FENCE	550.06–REMOVABLE GUARD POST
DESCRIPTION	BEGIN STATION	END STATION	LOCATION	LF	LF	EA	EA
2–BAR RAILING	11+15	16+05	5.5' LEFT	490			
WIRE FENCE & POST–REM./DISP.	16+35	16+35	14' LT TO 18' RT		52		
NEW 4–STRAND WIRE FENCE	16+50	16+50	6' RT TO 6' LT			47	
REMOVABLE BOLLARD	10+02.5	10+02.5	CENTERLINE				1
REMOVABLE BOLLARD	16+54.5	16+54.5	CENTERLINE (S.B. CXN.)				1
REMOVABLE BOLLARD	16+49.52	16+52	CENTERLINE (N.B. CXN.)				1
TOTALS				490	52	47	3

RETAINING WALL QUANTITIES					540.029 CMU RETAINING WALL	
DESCRIPTION	BEGIN STATION	END STATION	LOCATION	LENGTH (FT)	HEIGHT	SF
MODULAR CMU RETAINING WALL	10+22	11+44	7' RIGHT OF TRAIL	122	VARIES	280
MODULAR CMU RETAINING WALL	12+26	13+90	7' RIGHT OF TRAIL	164	VARIES	364
TOTALS						644

BID ITEM 450.001 – ALUMINUM PANEL SIGN				BID ITEM 450.010 – STEEL POST AND BASE POST			
STATION	LOCATION	SIGN CODE	NO. OF FACES	TOTAL SQUARE FEET	NO. POSTS 2" SQ.	POST LENGTH	BASE–POST LENGTH
10+04	8' LEFT	R5–3	1	4	1	8	3.5
10+04	8' LEFT	R1–1	1	2.25	*	–	–
10+80.8	8' LEFT	W1–1–R	1	2.25	1	8	3.5
16+65.74	8' LEFT	W1–1–L	1	2.25	1	8	3.5
16+71.14	8' LEFT	W1–4–R	1	2.25	1	8	3.5
17+15.45	100' RIGHT	W2–2–L	1	2.25	1	8	3.5
17+17.68	100' LEFT	W2–2–R	1	2.25	1	8	3.5
TOTAL				17.5	SUBTOTAL: 48		SUBTOTAL: 24.5
					TOTAL LENGTH:		72.5
* THIS SIGN TO BE MOUNTED ON COMMON POST WITH ANOTHER SIGN							

* THIS SIGN TO BE MOUNTED ON COMMON POST WITH ANOTHER SIGN.

BID ITEM 440.001 – REFLECTORIZED PAINTED MARKING					
BEGIN STA.	END STA.	4" BROKEN YELLOW**	4" SOLID YELLOW	4" SOLID WHITE	REMARKS
10+14	10+64		50		CENTERLINE STRIPE
10+64	15+88	22' 131			CENTERLINE STRIPE
15+88	16+15		27		CENTERLINE STRIPE
16+15	17+12	43.5 48			CENTERLINE STRIPES (No connectors)
10+22.72	11+55		132		RIGHT OF CENTERLINE/LEFT OF CMU WALL
12+25	13+84		159		RIGHT OF CENTERLINE/LEFT OF CMU WALL
SUBTOTALS:		65.5 179	77	291	GRAND TOTAL: 433.5 L.F. 547

**BROKEN STRIPING SHALL BE AT A 1:3 RATIO: 4' STRIPES SEPARATED BY 12' GAPS.

BID ITEM 440.021 – REFLECTORIZED PAVEMENT MARKING			
BEGIN STA.	END STA.	LOCATION	REMARKS
11+04	11+12	CENTERED ON SOUTHBOUND LANE	"STOP AHEAD"

AS BUILT INFORMATION			
CONTRACTOR	Khari Co.	DATE	2/25
WORK STARTED BY	J. Callegos	DATE	2/25
INSPECTOR'S FIELD VERIFICATION BY	L. Koke	DATE	2/25
INSPECTOR'S CORRECTION BY	RMO	DATE	2/25
MICRO–FILM INFORMATION			
RECORDED BY		DATE	
NO.			

BENCH MARKS	
STATION NAME:	ACS MONUMENT "NAA–8"
NORTHING:	1,513,713.15
EASTING:	393,902.61
ELEVATION:	5075.02

SURVEY INFORMATION	
FIELD NOTES	DATE
BY	
NO.	

ENGINEERS' SEAL	
	

REVISIONS	
NO.	DATE
1	8/27/04
2	Revised Quantities
3	REMARKS
4	BY
DESIGN	
DESIGNED BY	RMO & CAT
DATE	JUNE 2003
DRAWN BY	RMO & CAT
DATE	JAN 2004
CHECKED BY	RMO
DATE	FEB 2004

FOR INFORMATION ONLY

Resource Technology, Inc.
Civil Engineering
Environmental Sciences
Water Resources
Landscape Architecture
Planning

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Albuquerque, New Mexico 87109
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Telephone: (505) 243–7300
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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

TITLE:
TRAIL CONNECTION
TO VISTA DEL NORTE SUBDMISION
MISCELLANEOUS QUANTITIES

Design-Review Committee
City Engineer Approval

SEP 2 1 2004

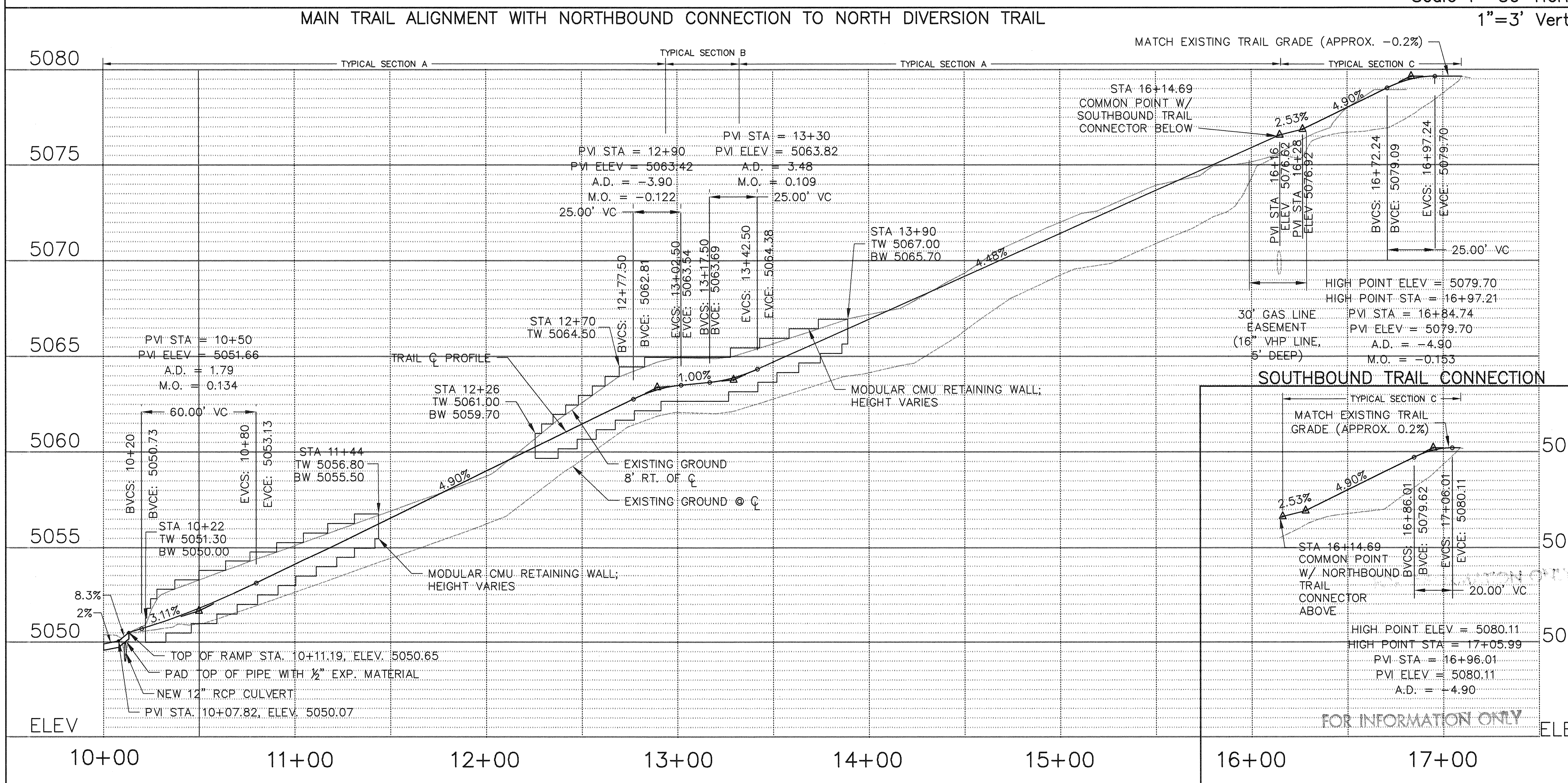
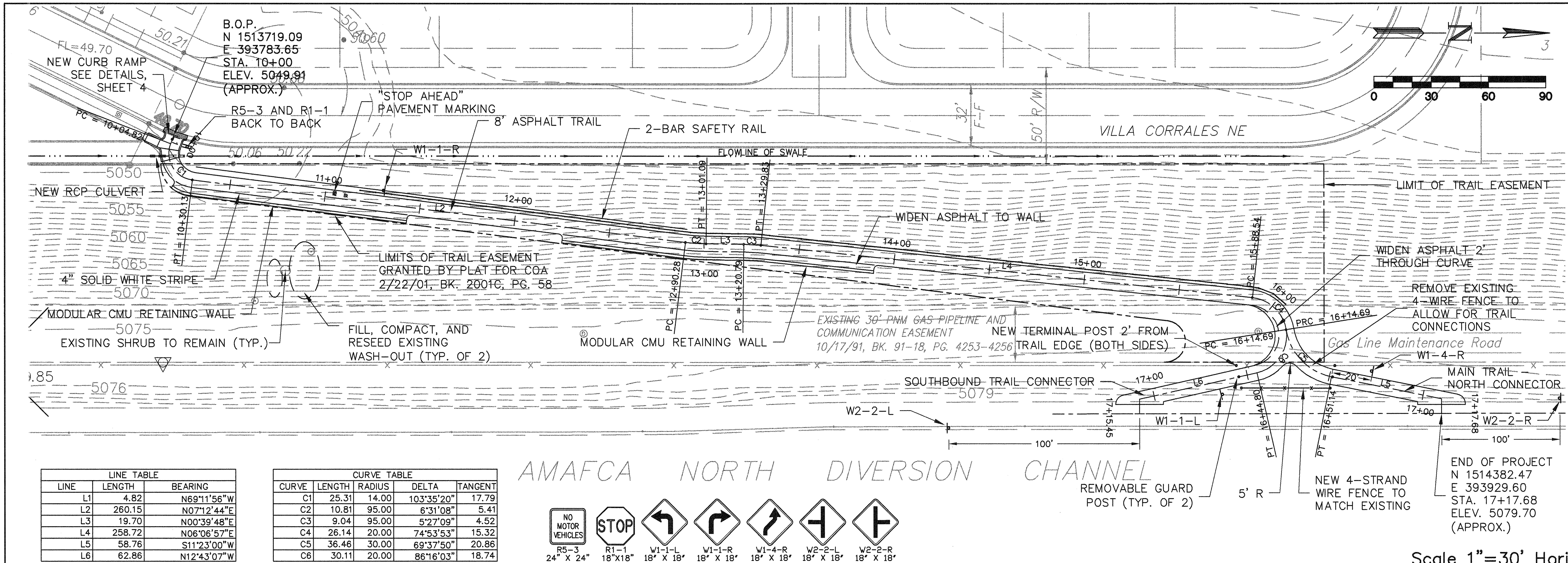
DESIGN REVIEW COMMITTEE

SEP 2 1 2004

CITY ENGINEER

COA PROJECT # 630195 MAP D-16-Z
NMDOT # TPE-7701 (38) INO. E-16-Z

SHEET 4 OF 7



NOTES:

- STA. 10+00 TO STA. 10+13 - BUILD NEW CONCRETE RAMP AND SIDEWALK CONNECTION PER DETAILS ON SHEET 4, AND COA STD. DWG 2430, 2440, AND 2441. REMOVE EXISTING CURB AND GUTTER TO NEAREST JOINT, AS NEEDED. INSTALL 12" CULVERT PER DETAIL PAGE 7.
- STA. 10+13 TO STA. 17+17 - BUILD APPROX. 802 L.F. OF 8'-WIDE ASPHALT TRAIL, INCLUDING NORTH AND SOUTHBOUND CONNECTORS TO EXISTING NORTH CHANNEL TRAIL. GRADE AND/OR ANGLE OF NORTH AND/OR SOUTHBOUND CONNECTORS MAY BE ADJUSTED SLIGHTLY, AS NEEDED, TO MATCH EXISTING TRAIL. TRAIL GRADE MAY NOT EXCEED 5%.
- STA. 10+75 TO STA. 11+00 (RT.) - FILL AND COMPACT TWO EXISTING WASHOUT AREAS UPSLOPE FROM TRAIL, APPROX. TOTAL FILL OF 70 CY. COORDINATE LIMITS WITH ENGINEER.
- STA. 11+15 TO STA. 16+05 (5.5' LT.) - INSTALL 2-BAR SAFETY RAILING 1.5' FROM EDGE OF TRAIL (TYP).
- STA. 10+22 TO 11+44 AND STA. 12+26 TO 13+90 (7' RT.) - BUILD APPROX. 326 L.F. MODULAR CMU RETAINING WALL (HT. VARIES; 24" MAX). WIDEN ASPHALT TRAIL TO BASE OF WALL. ADD 4" SOLID WHITE STRIPE 3' FROM WALL. SEE TYPICAL SECTION A, SHEET 3.
- STA. 10+14 TO 10+64 - APPLY 4" SOLID YELLOW REFLECTIVE STRIPE ALONG CENTERLINE OF TRAIL.
- STA. 10+64 TO STA. 15+88 - APPLY 4" DASHED REFLECTIVE YELLOW STRIPE ALONG CENTERLINE OF TRAIL.
- STA. 15+88 TO 16+15 - APPLY 4" SOLID YELLOW CENTER LINE STRIPE THROUGH CURVE ALONG CENTERLINE OF TRAIL.
- STA. 16+15 TO 17+12 (NORTH AND SOUTHBOUND) - APPLY 4" DASHED YELLOW STRIPE ALONG CENTERLINE OF EACH TRAIL CONNECTOR.
- STA. 16+35 (BOTH CONNECTORS, 2' FROM TRAIL EDGE) - REMOVE APPROX. 52 L.F. EXISTING 4-STRAND WIRE FENCE. INSTALL NEW TERMINAL POST AT NEW END OF EXISTING FENCE.
- STA. 16+50 (BETWEEN CONNECTOR TRAILS, 2' FROM EDGES OF TRAIL) - INSTALL NEW 4-STRAND WIRE FENCE TO MATCH EXISTING FENCE.
- STA. 17+11 MAIN ALIGNMENT (12.5' LT. AND RT.), AND STA. 17+09 SOUTHBOUND CONNECTOR (12.5' LT. AND RT.) - SAWCUT AND REMOVE TAPERED EDGE OF EXISTING ASPHALT TRAIL. CUT TO CLEAN, STRAIGHT EDGES. APPLY TACK COAT TO CUT SURFACE AND TIE CONNECTOR TRAIL INTO EXISTING TRAIL AT EXISTING GRADE.
- STA. 10+02 (CL) - INSTALL REMOVABLE GUARD POST PER COA STD DWG 2250.
- STA. 16+55 (SOUTHBOUND) AND 16+52 (NORTHBOUND) - INSTALL ONE REMOVABLE BOLLARD ON CENTERLINE OF EACH TRAIL CONNECTION (TOTAL 2 BOLLARDS), ALIGNED WITH NEW TERMINAL FENCE POSTS.
- STA. 10+04 (8' LT.) - INSTALL R5-3 (NO MOTOR VEHICLES) AND R1-1 (STOP) SIGNS BACK TO BACK ON NEW POST.
- STA. 11+04 (2' LT.) - APPLY "STOP AHEAD" REFLECTIVE PAVEMENT MARKING, CENTERED IN SOUTHBOUND LANE, PER DETAIL SHEET 7.
- STA. 11+30 (8' LT.) - INSTALL W1-1-R (SHARP CURVE) SIGN ON NEW POST.
- STA. 16+71 (8' LT.) - INSTALL W1-4-R (REVERSE CURVES) SIGN ON NEW POST.
- STA. 16+65 SOUTHBOUND SPUR (8' LT.) - INSTALL W1-1-L (SHARP CURVE) SIGN ON NEW POST.
- 100' SOUTH OF SOUTHBOUND SPUR CONNECTION TO NORTH CHANNEL TRAIL - INSTALL W2-2-L (INTERSECTION) SIGN BETWEEN EXISTING RAILING AND EDGE OF CHANNEL.
- 100' NORTH OF NORTHBOUND (MAIN) TRAIL CONNECTION - INSTALL W2-2-R (INTERSECTION) SIGN 3' FROM WEST EDGE OF EXISTING TRAIL.
- SEE GENERAL NOTE 38, SHEET 2, FOR RESEEDING REQUIREMENTS.

CONTRACTOR: **Khari Co.**

WORK STARTED BY: **T. Gallardo** DATE: **2/2/04**

ACCEPTANCE BY: **L. Korte** DATE: **2/2/04**

FIELD VERIFICATION BY: **Rmo** DATE: **1/26/04**

CORRECTED BY: **Rmo** DATE: **1/26/04**

RECORDED BY: **NO.**

NORTHING: **1513713.15**

EASTING: **393902.61**

ELEVATION: **5075.02**

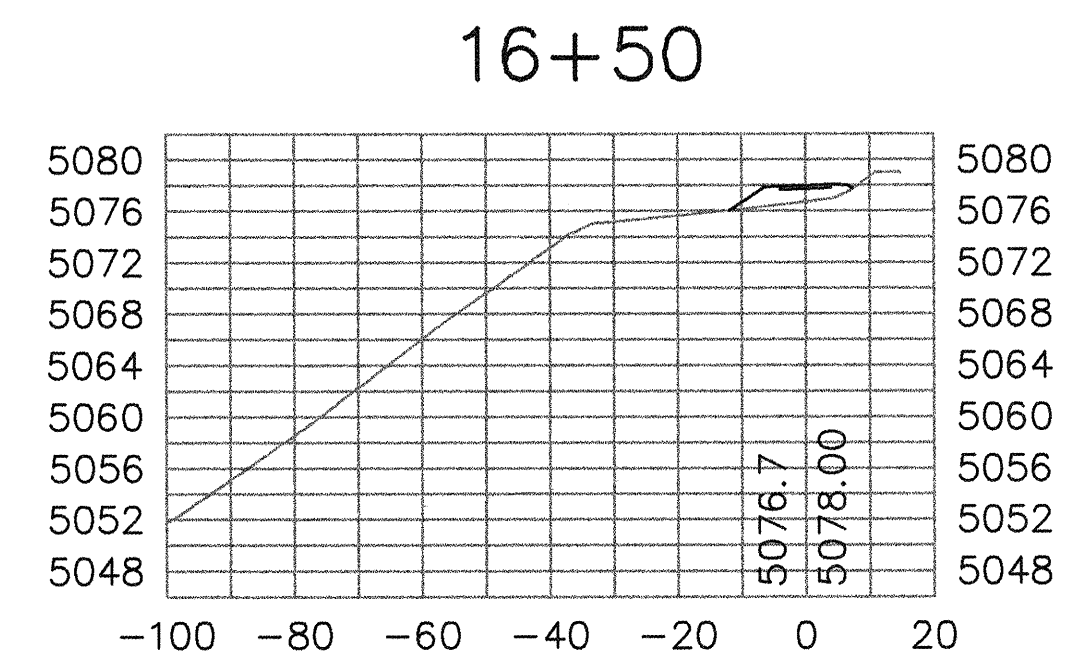
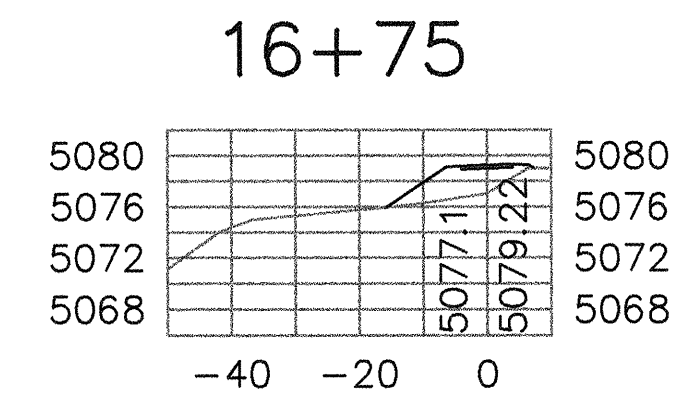
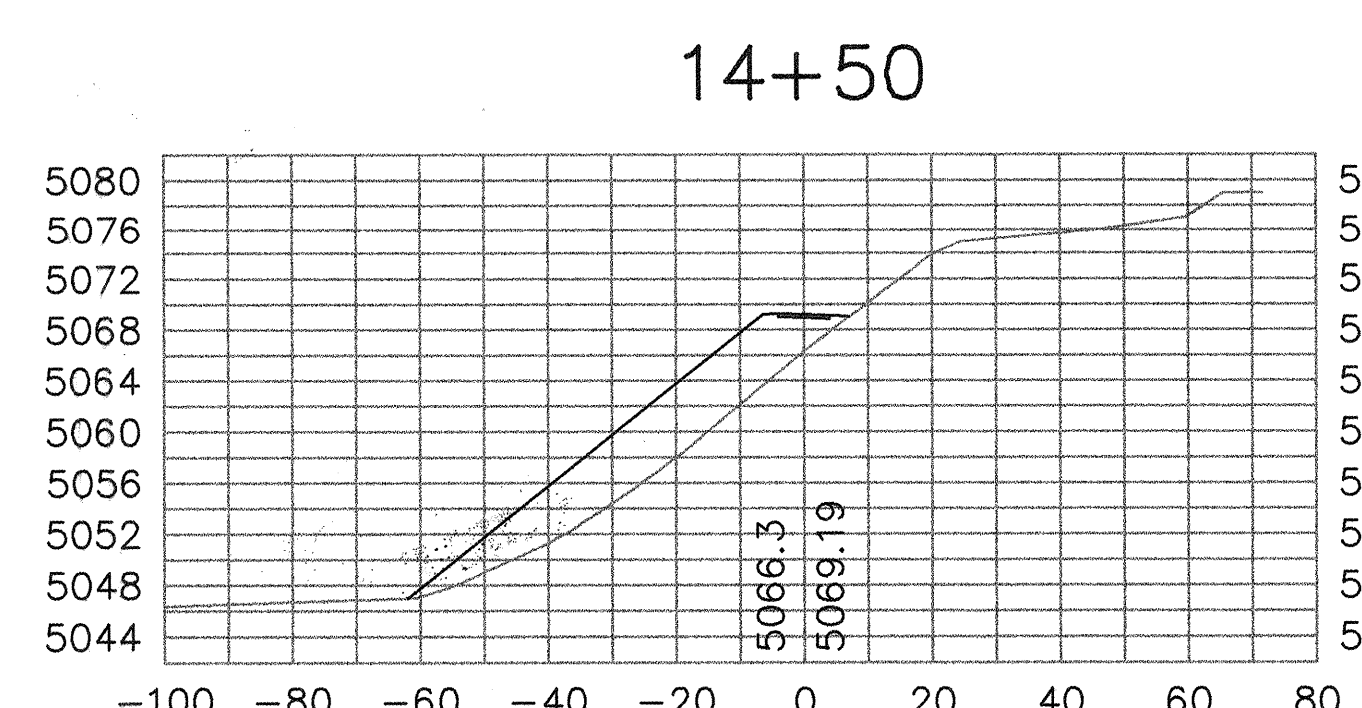
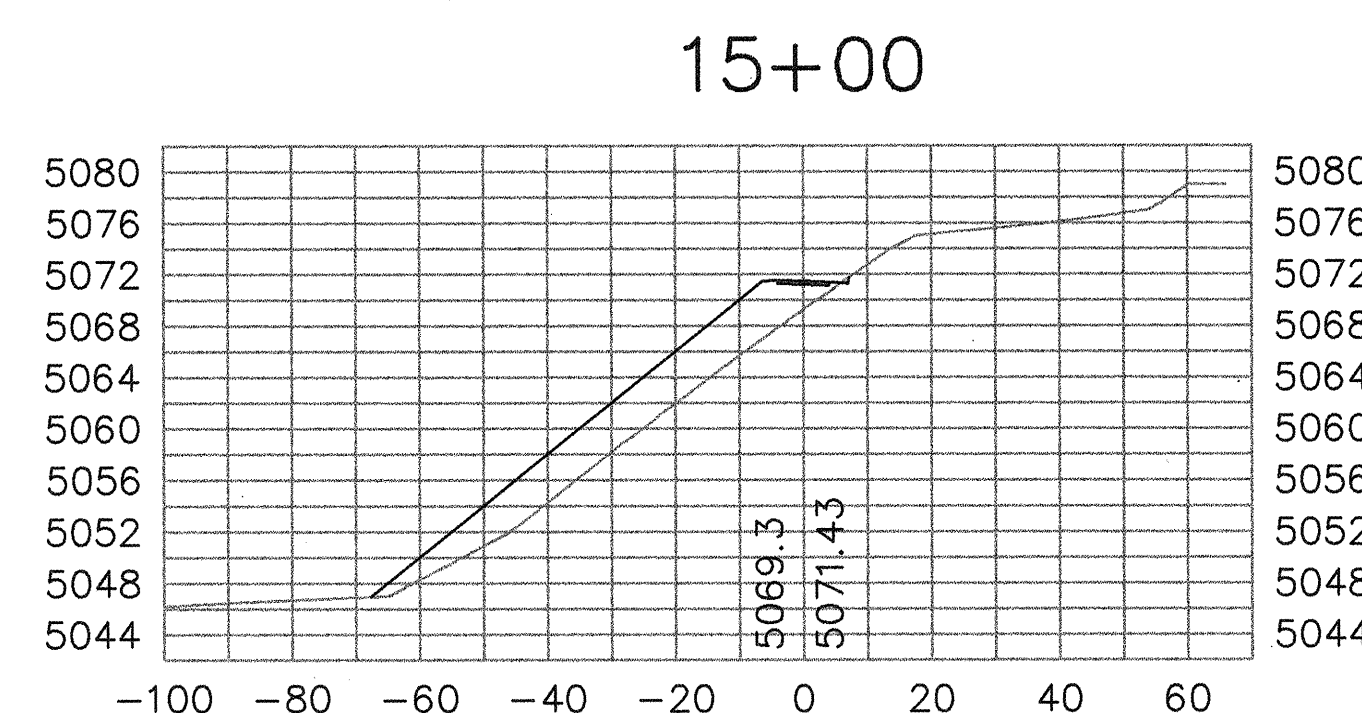
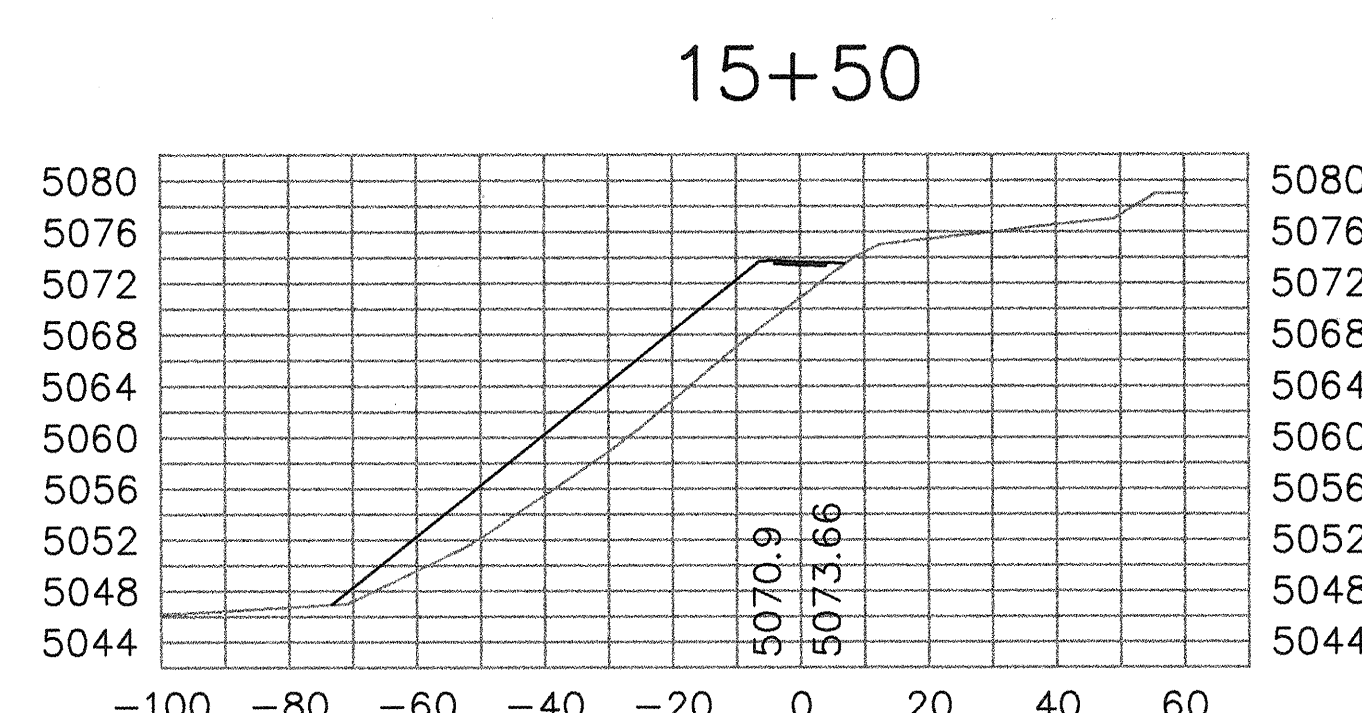
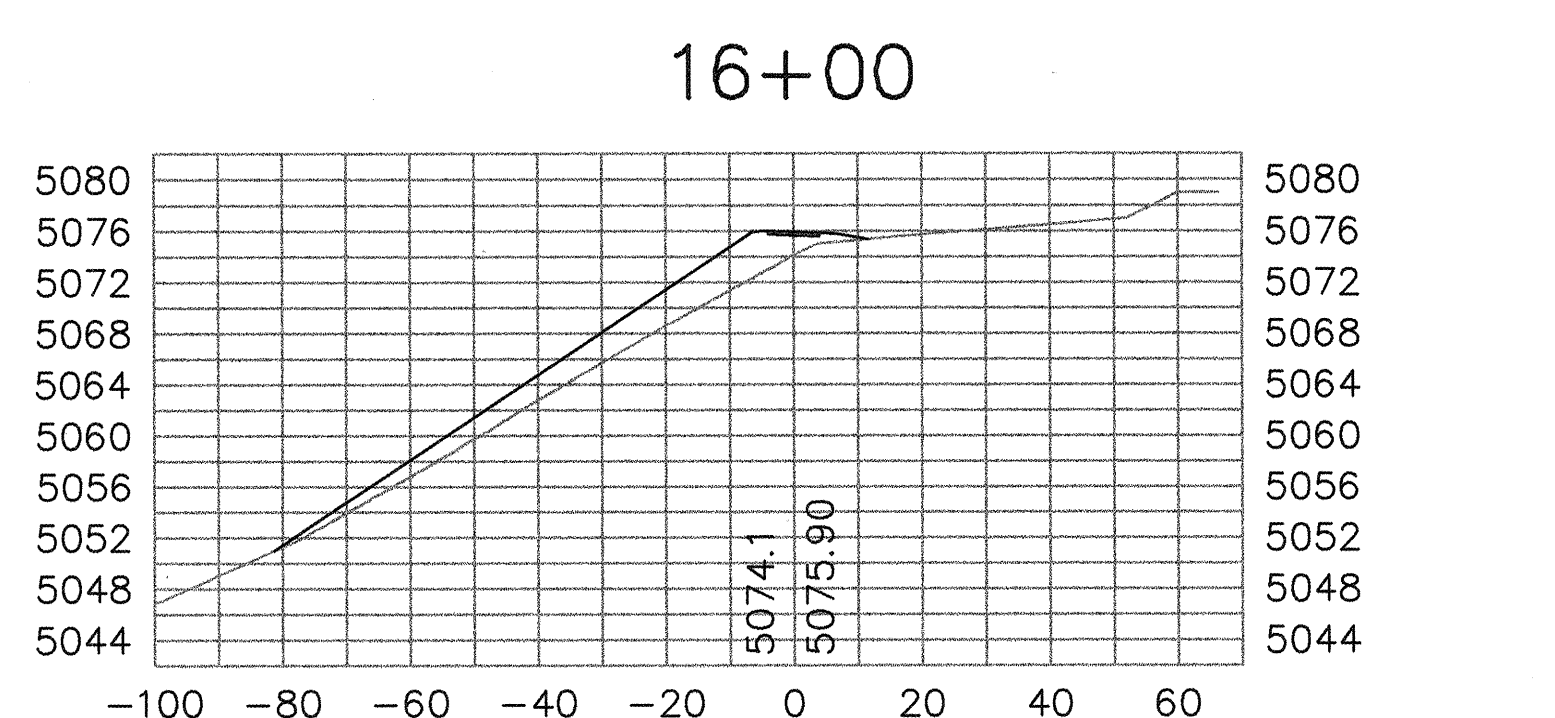
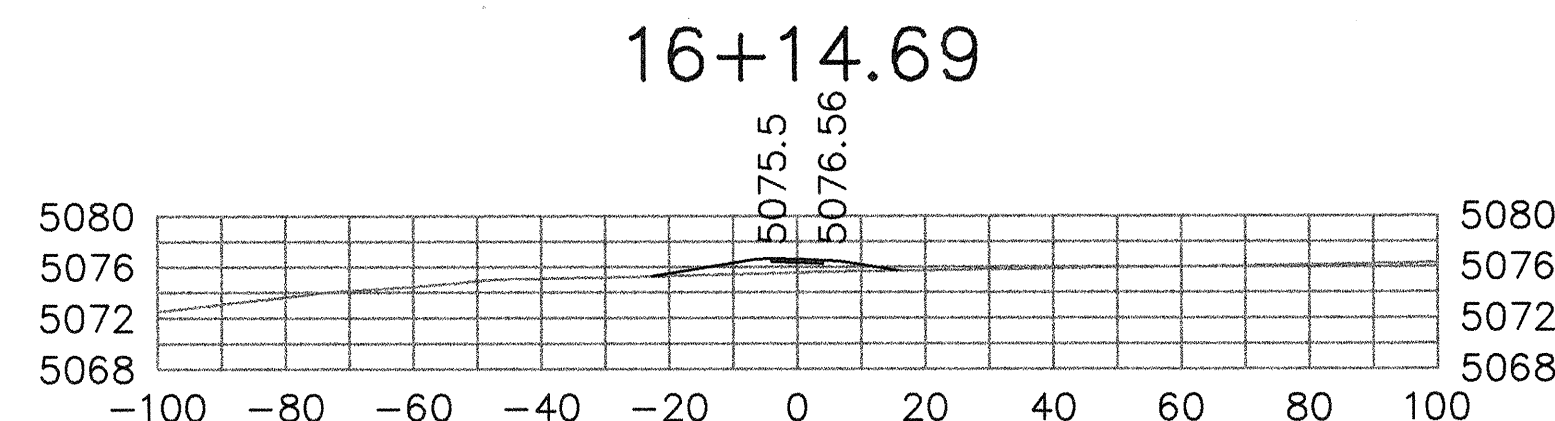
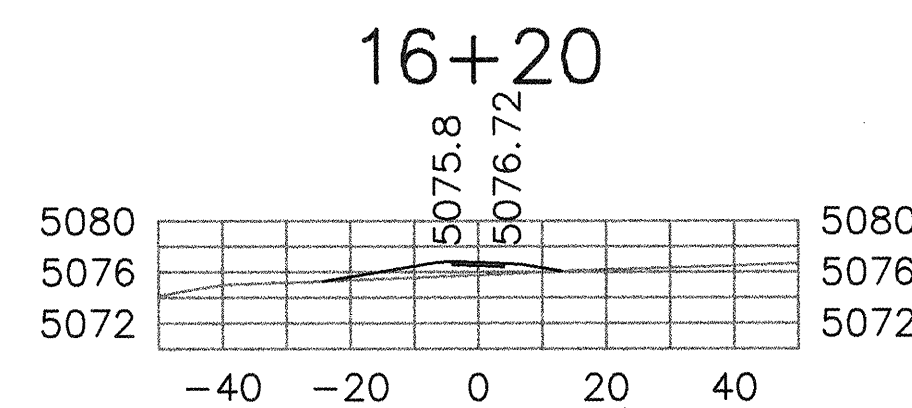
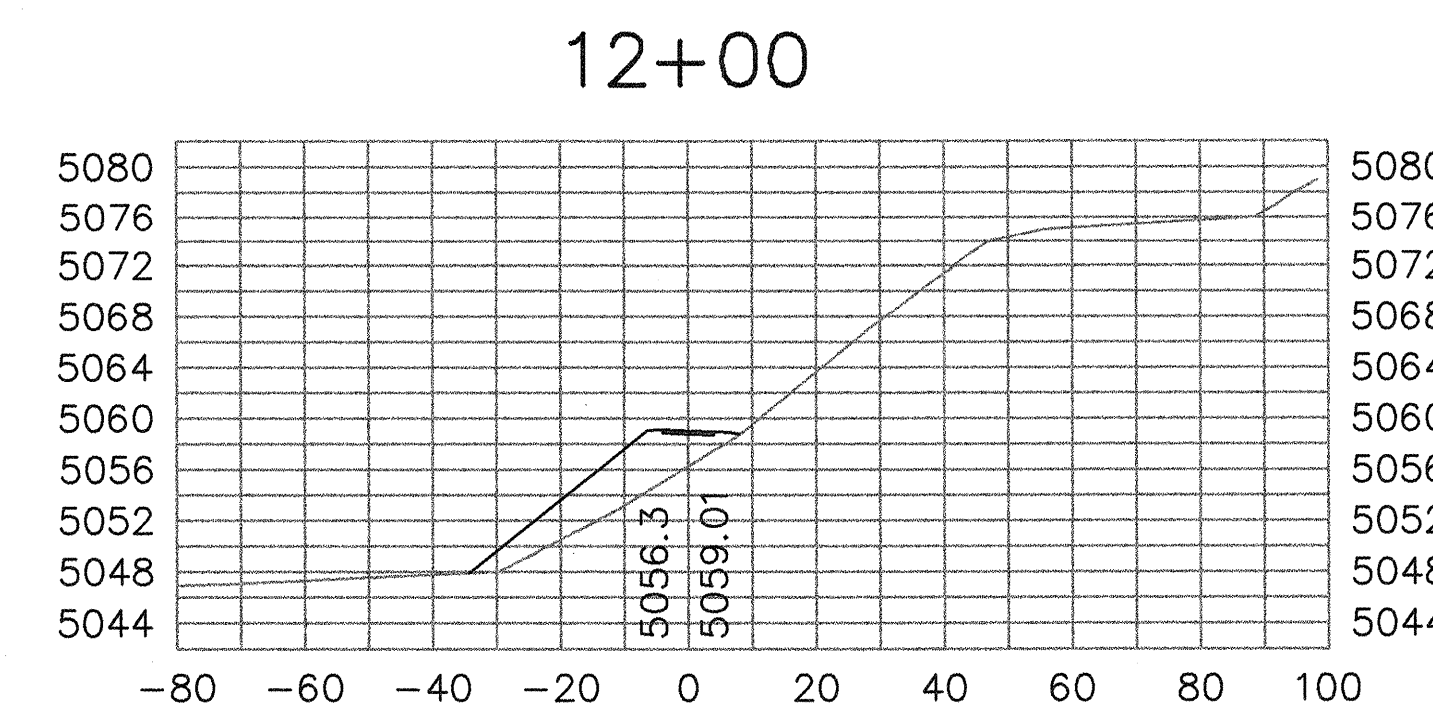
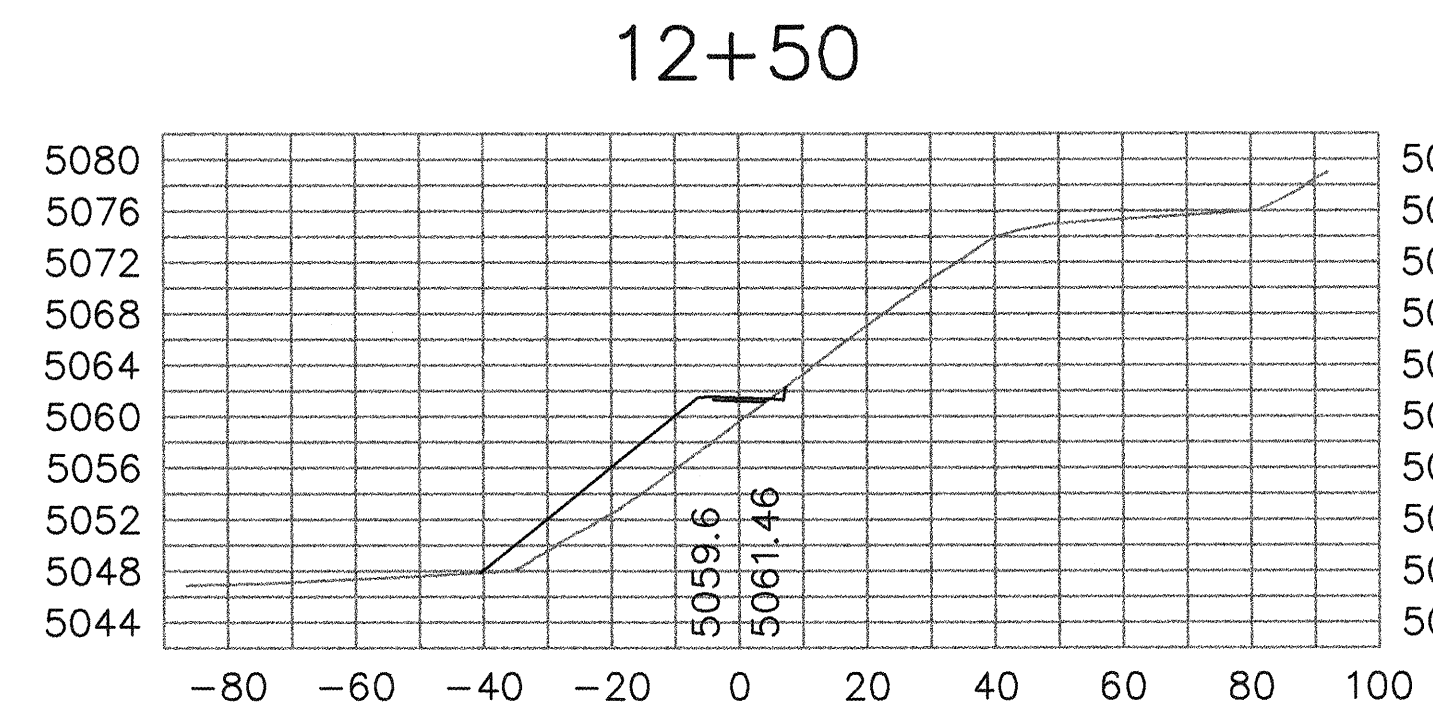
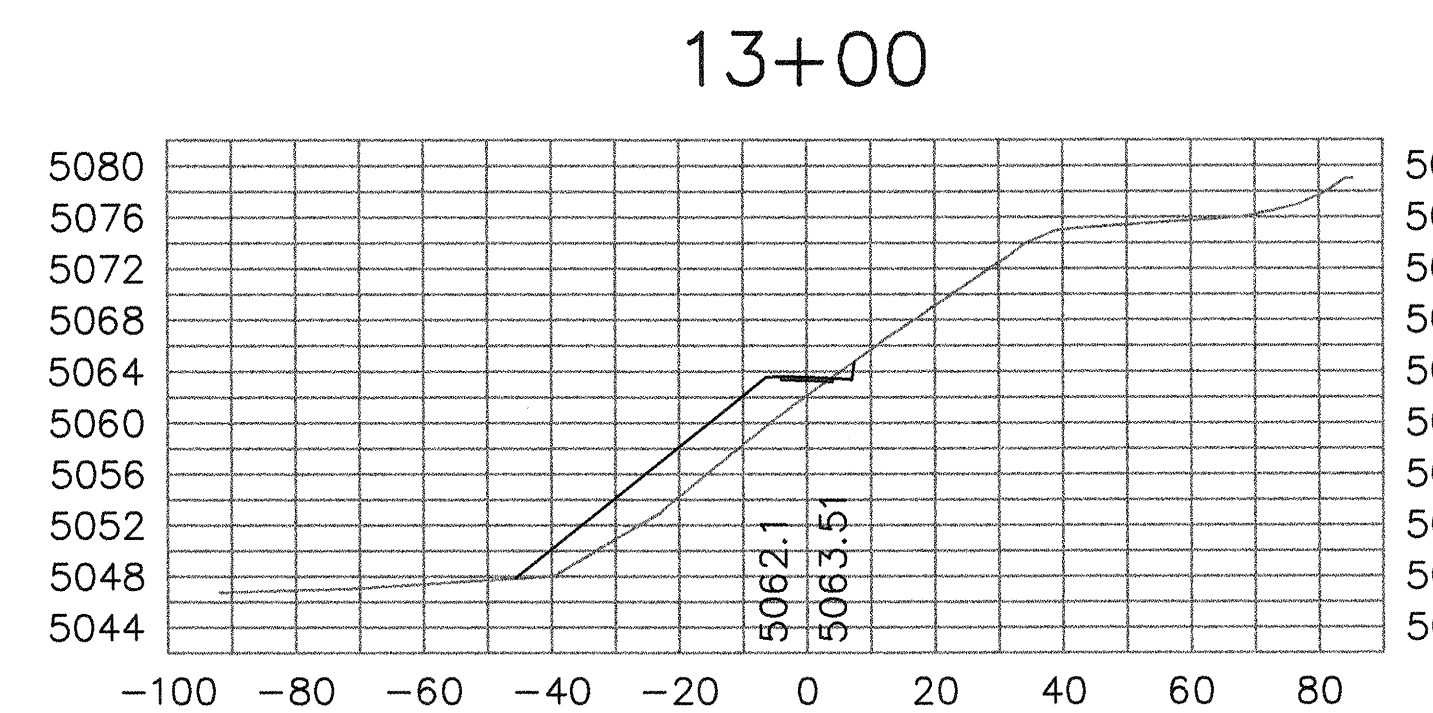
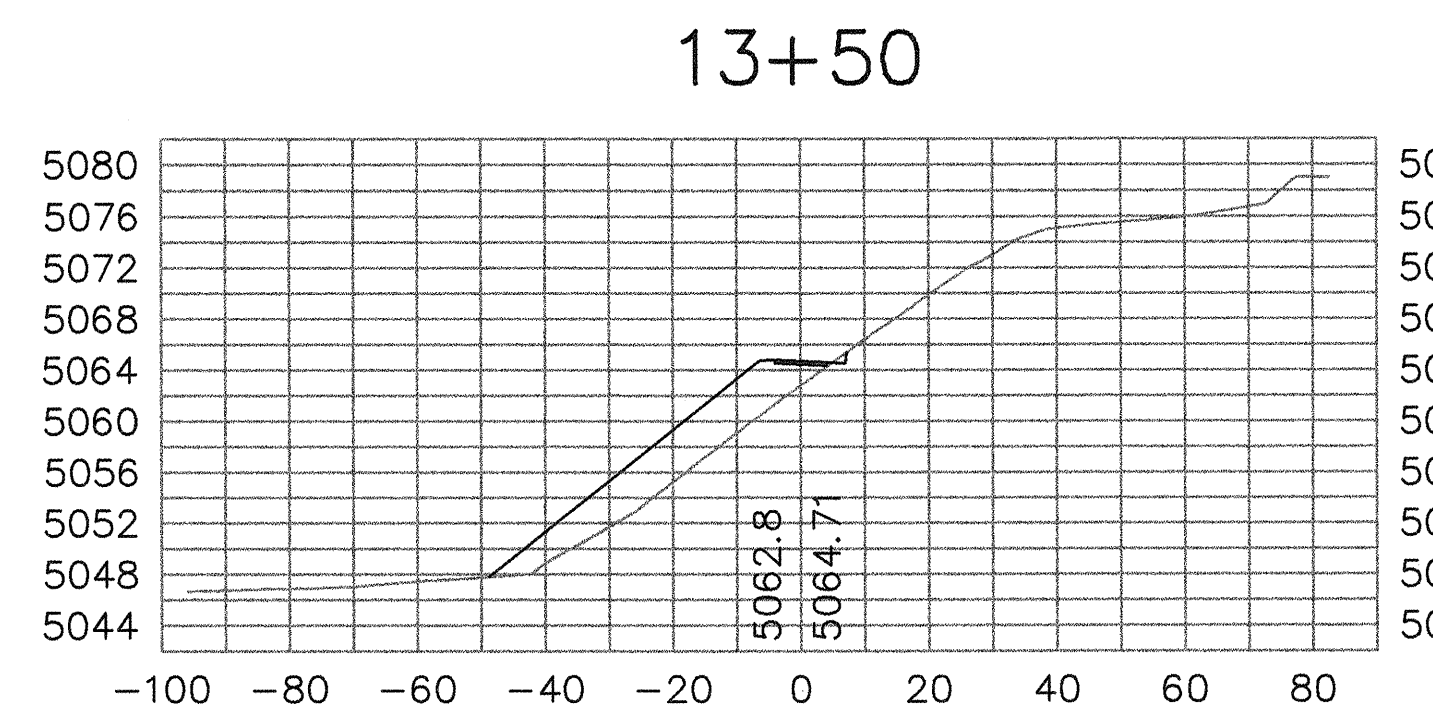
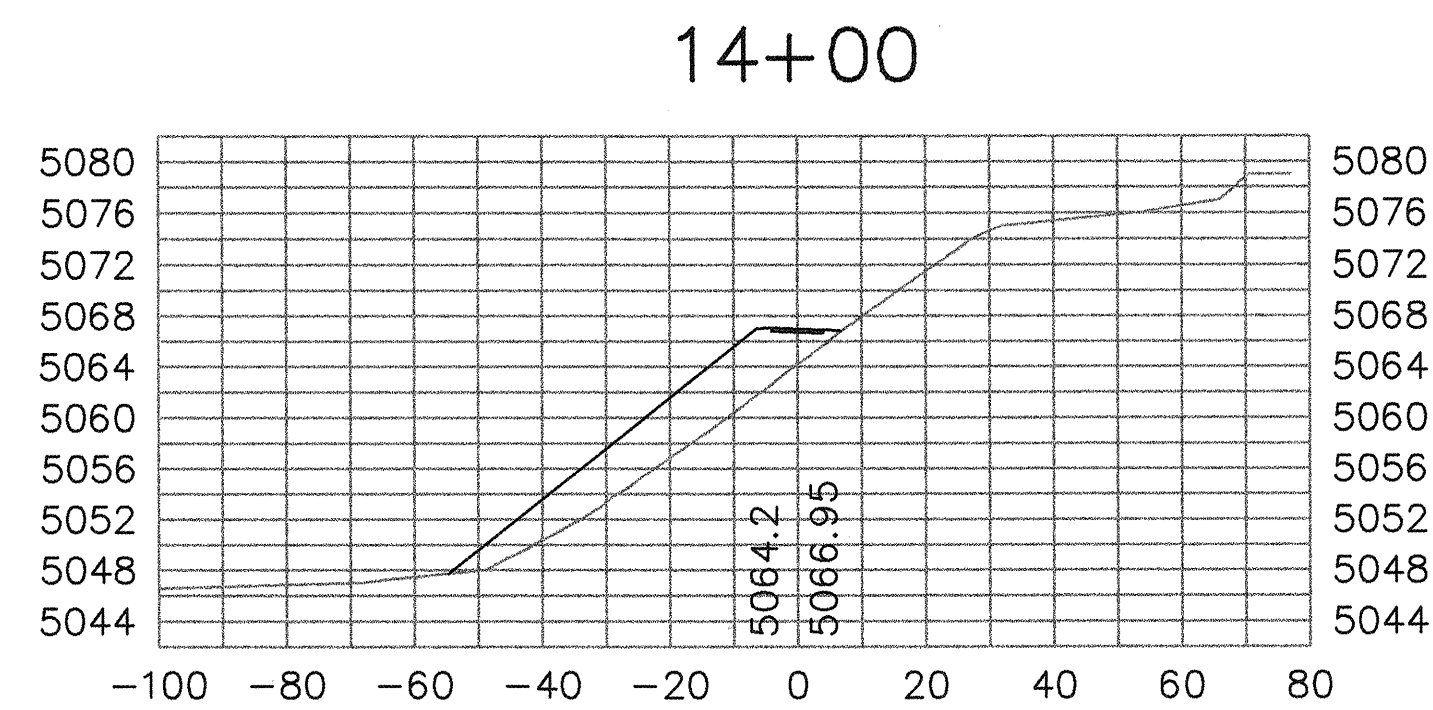
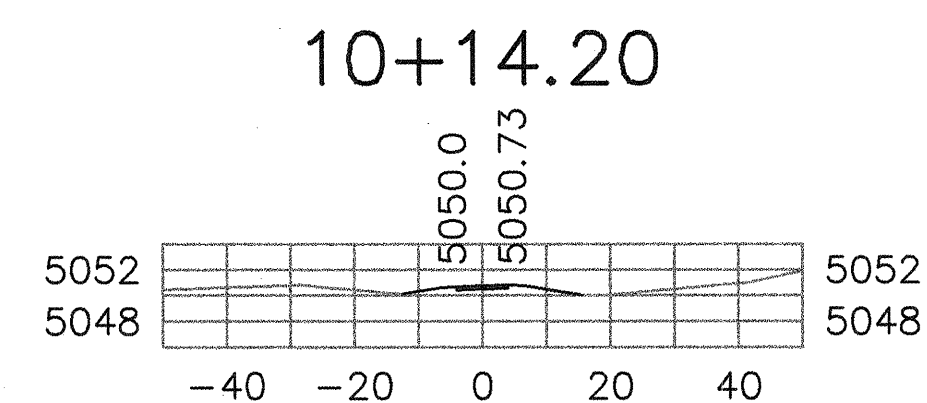
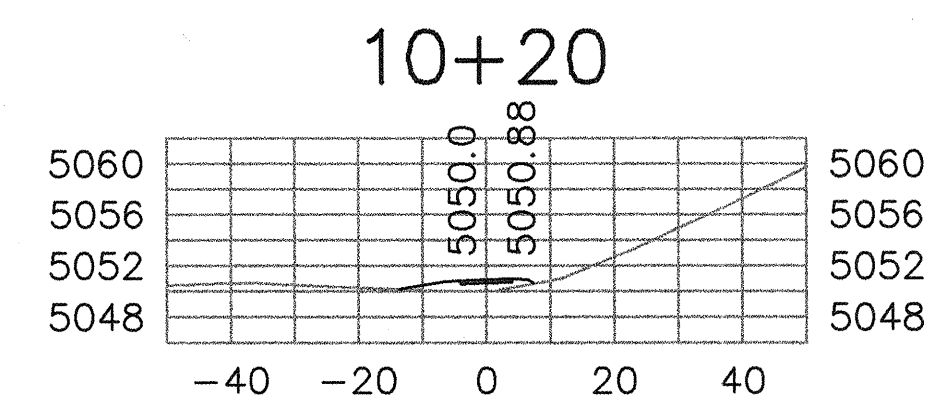
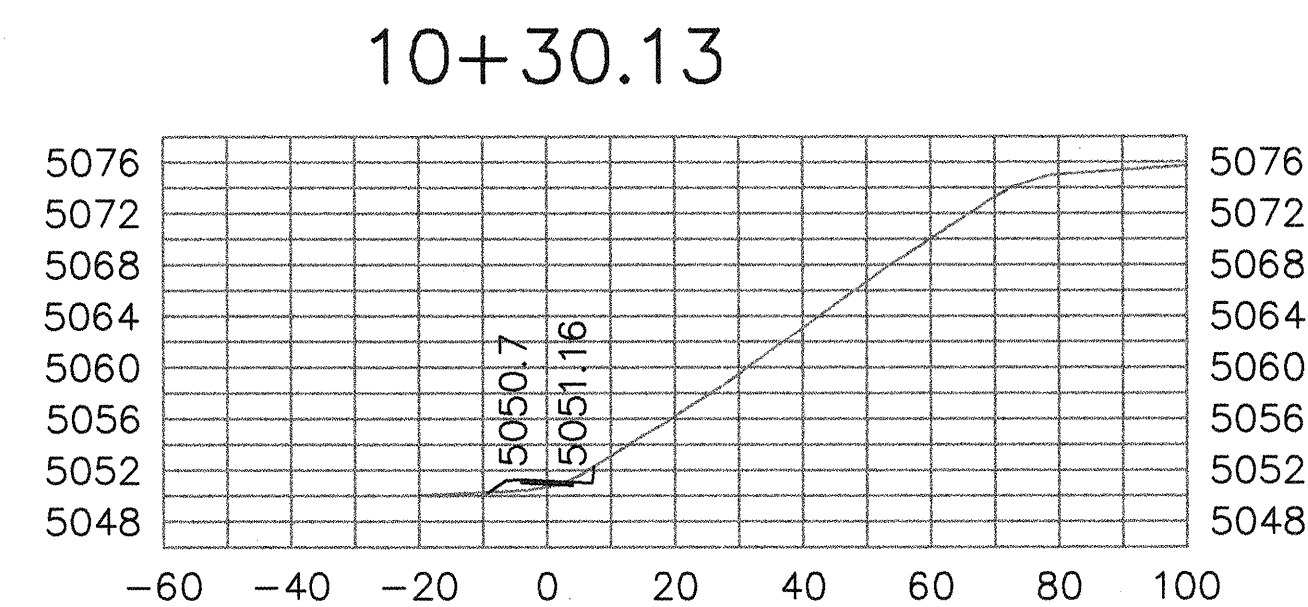
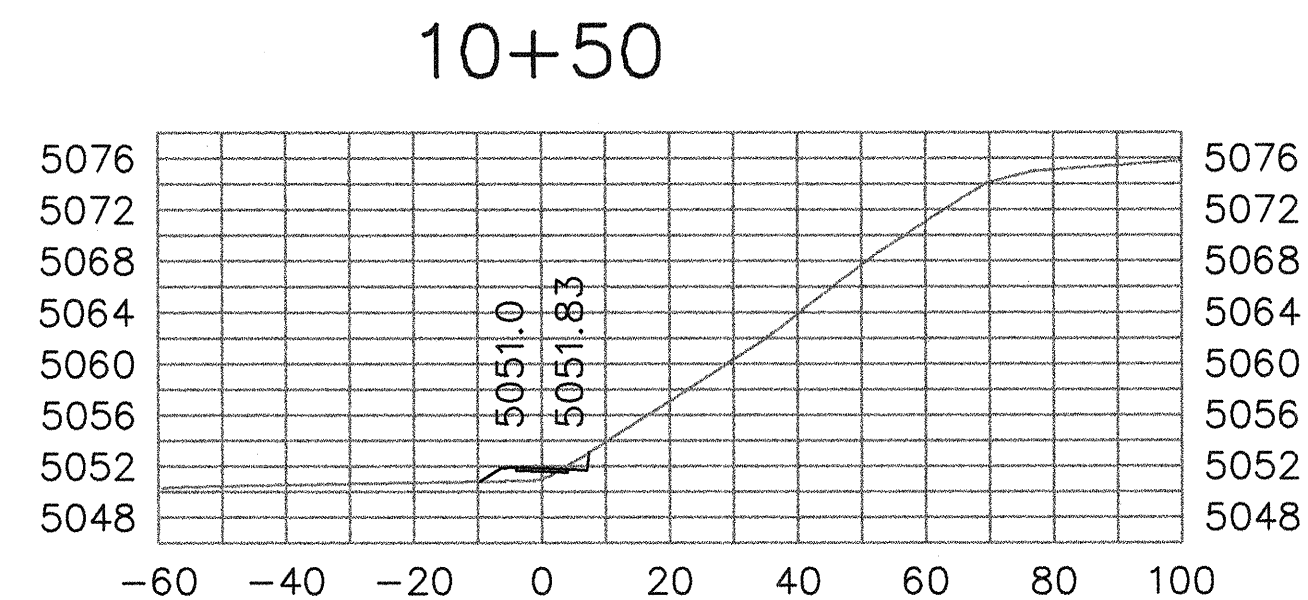
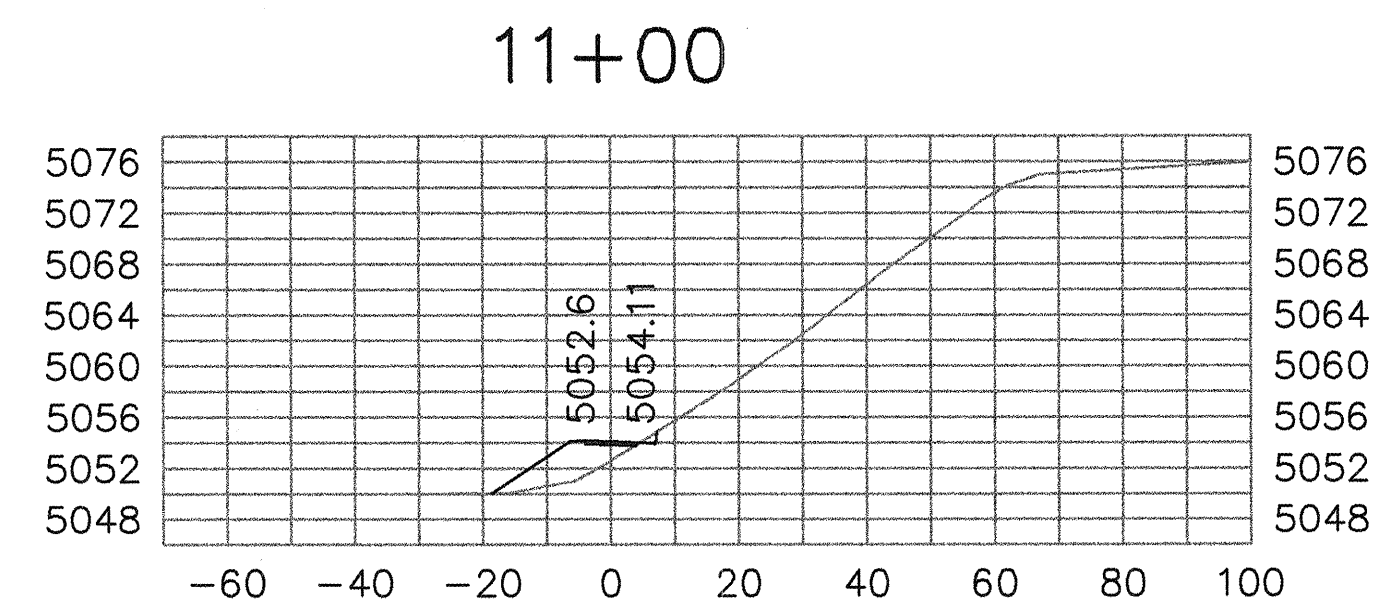
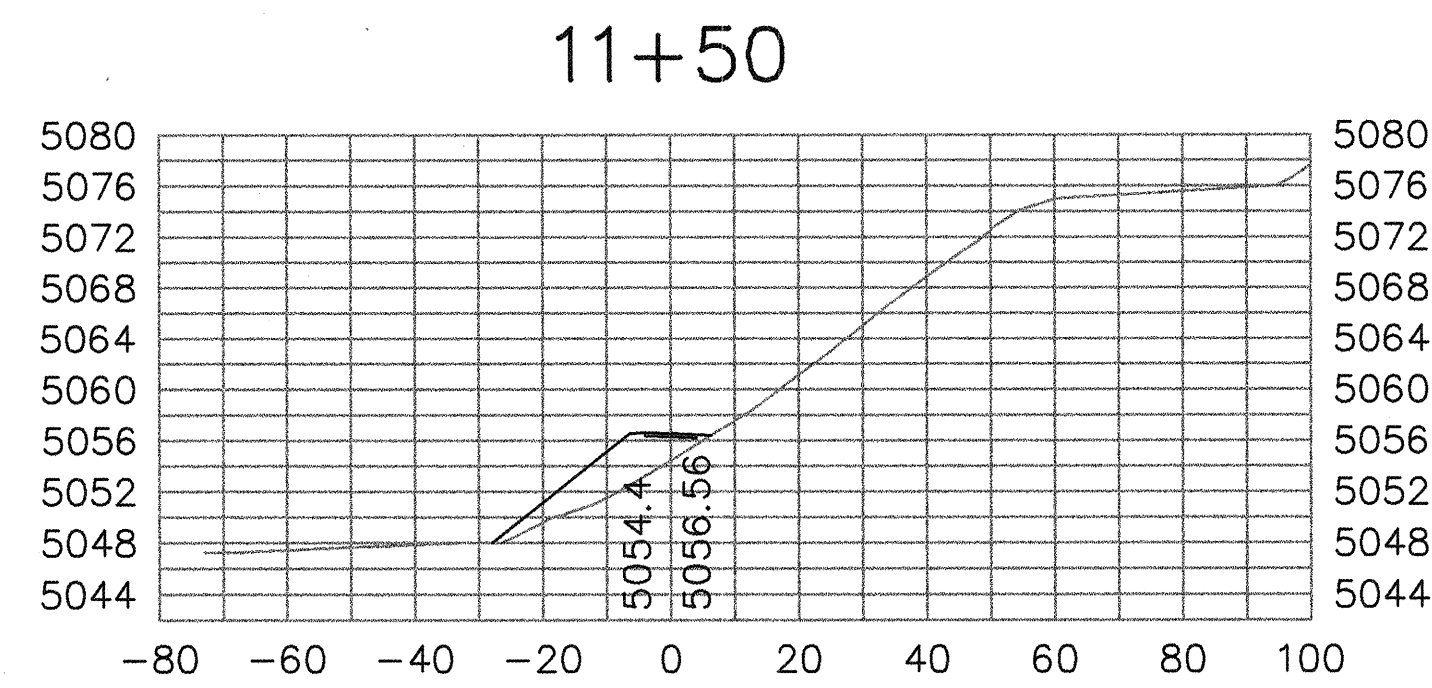
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

TITLE: **TRAIL CONNECTION
TO VISTA DEL NORTE SUBDIVISION
PLAN AND PROFILE**

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED SEP 2 1 2004 DESIGN REVIEW COMMITTEE	APPROVED SEP 2 1 2004 CITY ENGINEER		

COA PROJECT # **630195** MAP **D-16-Z**
NMDOT # **TPE-7701 (38)** NO. **E-16-Z**

SHEET **5** OF **7**

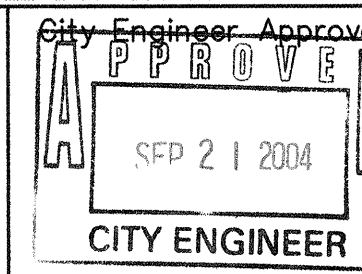
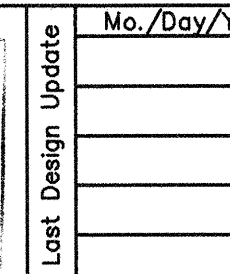


STATION	AREAS		VOLUMES		CUMULATIVE VOLUMES	
	Square Feet		Cubic Yards		Cubic Yards	
	CUT	FILL	CUT	FILL	CUT	FILL
10+00	0.10	0.00				
10+04.82	0.00	1.16	0.01	0.10	0.01	0.10
10+14.20	0.00	12.75	0.00	2.54	0.01	2.65
10+20	0.00	10.80	0.00	2.44	0.01	5.09
10+30.13	2.87	5.20	0.64	2.24	0.65	7.33
10+50	3.02	8.20	2.17	4.93	2.82	12.26
11+00	1.20	37.71	3.91	42.51	6.72	54.77
11+50	0.09	72.91	1.19	102.42	7.91	157.19
11+60	0.00	81.21	0.02	28.54	7.93	185.73
12+00	0.00	115.85	0.00	145.97	7.93	331.70
12+25	0.00	125.68	0.00	111.82	7.93	443.52
12+50	1.12	123.94	0.52	115.56	8.45	559.08
12+90.28	2.44	137.41	2.66	194.93	11.11	754.01
13+00	2.42	140.60	0.93	39.37	12.04	793.38
13+01.09	2.35	141.25	0.10	4.45	12.14	797.83
13+20.79	1.39	152.06	1.37	107.01	13.50	904.84
13+29.83	1.20	153.38	0.40	62.11	13.91	966.95
13+50	0.85	163.43	0.76	118.36	14.67	1085.31
14+00	0.00	214.10	0.78	349.56	15.45	1434.87
14+50	0.00	275.64	0.00	453.47	15.45	1888.34
15+00	0.24	231.85	0.22	469.90	15.67	2358.24
15+50	0.00	310.35	0.22	502.04	15.89	2860.28
15+88.54	0.00	319.64	0.00	449.64	15.89	3309.91
16+00	0.00	166.10	0.00	261.56	15.89	3571.47
16+14.69	0.00	24.71	0.00	93.39	15.89	3664.87
16+20	0.00	22.63	0.00	4.03	15.89	3668.89
16+50	0.00	18.20	0.00	19.92	15.89	3688.81
16+51.14	0.00	18.94	0.00	0.72	15.89	3689.53
16+75	0.00	33.47	0.00	23.15	15.89	3712.69
17+00	0.00	0.00	0.00	15.49	15.89	3728.18
			0.00	0.00	15.89	3728.18

NOTES:
1. SOUTHBOUND CONNECTION TO NORTH CHANNEL
TRAIL ADDS 39 CU. YDS. OF FILL (NO ADDITIONAL CUT)
2. FILLING AND COMPACTION OF TWO WASHOUT AREAS
PER NOTE 3, SHT. 5, ADDS APPROX 70 CY OF FILL.

FOR INFORMATION ONLY

Scale 1"=30' Horiz.
1"=15' Vert.

		CIVIL ENGINEERING ENVIRONMENTAL SCIENCES WATER RESOURCES LANDSCAPE ARCHITECTURE PLANNING		5501 JEFFERSON BLVD. NE, SUITE 200 ALBUQUERQUE, NEW MEXICO 87109 E-MAIL: rth@rti.net TELEPHONE: (505) 243-7300 FACSIMILE: (505) 243-7400		NO.	DATE	DESIGNED BY	DRAWN BY	REVIEWED BY
CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT TRANSPORTATION DIVISION										
TITLE: TRAIL CONNECTION TO VISTA DEL NORTE SUBDIVISION EARTHWORK SECTIONS										
Design Review Committee			City Engineer Approval			Mo./Day/Yr.		Mo./Day/Yr.		
						Last Design Update 				
COA PROJECT # 630195					MAP D-16-Z		SHEET 7 OF 7			
NMDOT # TPE-7701 (38)					E-16-Z					