



PUBLIC WORKS DEPARTMENT
CITY OF ALBUQUERQUE, NEW MEXICO

CONSTRUCTION PLANS
FOR
PASEO DEL NORTE, WEST
AND
PASEO DEL VOLCAN
IMPROVEMENTS

INTERIM ROADWAY
FROM DOUBLE EAGLE II AIRPORT TO PARADISE BOULEVARD

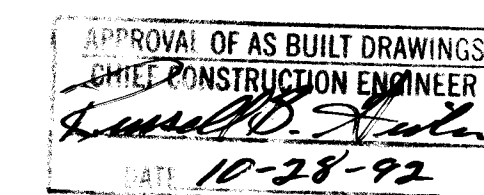
JUNE 1991

SHEET No. TITLE

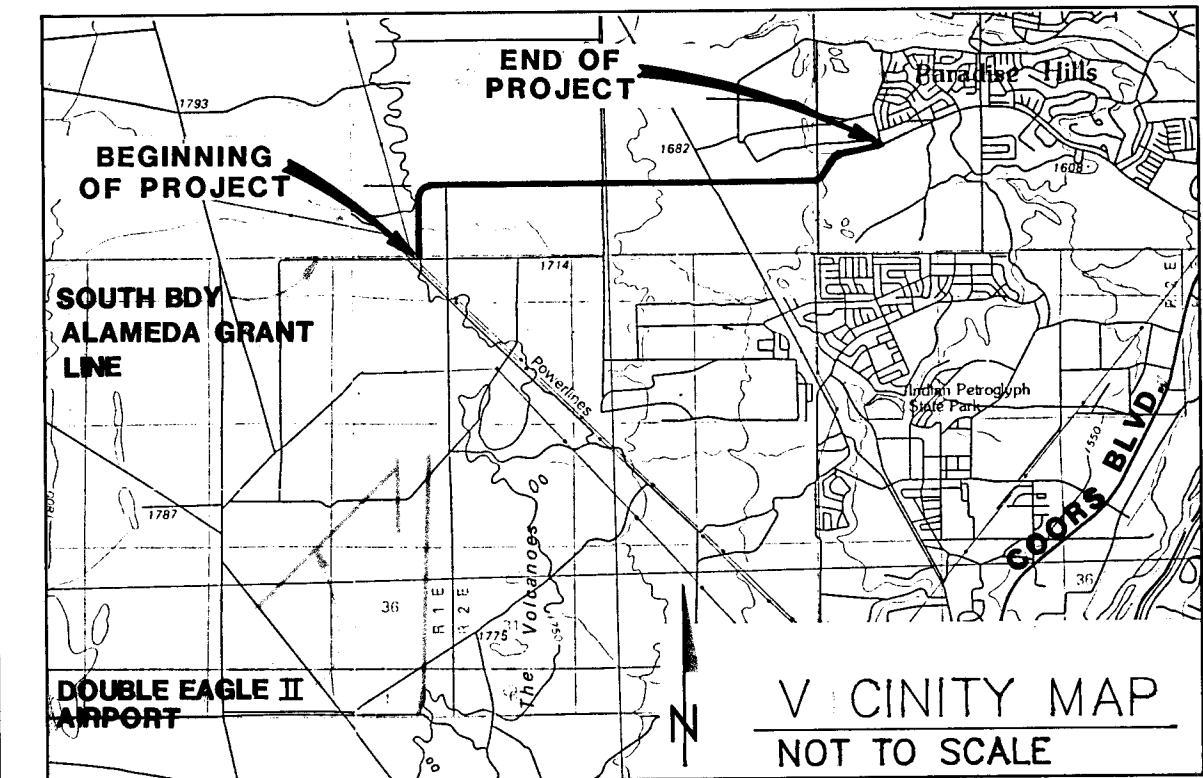
- 1 COVER SHEET, VICINITY MAP, GENERAL NOTES
- 2 SHEET LOCATER MAP
- 3 TYPICAL PAVING DETAILS
(PAVING PLAN AND PROFILE)
- 4 STA. 10 + 00 TO STA. 34 + 00
- 5 STA. 34 + 00 TO STA. 46 + 00
- 6 STA. 46 + 00 TO STA. 69 + 00
- 7 STA. 69 + 00 TO STA. 93 + 00
- 8 STA. 93 + 00 TO STA. 117 + 00

SHEET No. TITLE

- 9 STA. 117 + 00 TO STA. 141 + 00
- 10 STA. 141 + 00 TO STA. 165 + 00
- 11 STA. 165 + 00 TO STA. 189 + 00
- 12 STA. 189 + 00 TO STA. 213 + 00
- 13 STA. 213 + 00 TO STA. 235 + 00
- 14 STA. 235 + 00 TO STA. 259 + 00
- 15 STA. 259 + 00 TO STA. 266 + 35.56
- 16 UTILITY ROAD PROFILES
- 17 BOCA NEGRA ARROYO GRADING PLAN
- 18 PRECAST CONCRETE CULVERT PLAN & SECTIONS
- 19-30 ROADWAY CROSS-SECTIONS



6 of 6 with Maps & Records
26 35450192



GENERAL NOTES:

1. THE SPECIFICATIONS USED FOR THIS PROJECT ARE THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION "1986".
2. DISPOSAL OF ALL WASTE MATERIALS SHALL BE IN CITY APPROVED WASTE AREAS SECURED BY AND AT THE EXPENSE OF THE CONTRACTOR.
3. THE AIR POLLUTION CONTROL REGULATIONS OF THE ALBUQUERQUE-BERNALILLO COUNTY AIR QUALITY CONTROL BOARD LIMIT EMISSION OF PARTICULATE MATTER AND THE USE OF CUT-BACK ASPHALT.
4. WHEN ABUTTING NEW PAVEMENT TO EXISTING INTERSECTING STREETS, 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.
5. THE CONTRACTOR SHALL COORDINATE WATER VALVE SHUT OFFS WITH NEW MEXICO UTILITIES, INC., NOT LESS THAN TWO WORKING DAYS PRIOR TO THE SHUT OFF, PHONE (505) 898-2261.
6. THE CONTRACTOR SHALL NOTIFY THE LINE LOCATING SERVICE BY CALLING "NEW MEXICO ONE CALL", (505) 260-1990, TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, FOR LOCATION OF EXISTING UTILITIES. AT SAME TIME HE SHALL NOTIFY NEW MEXICO UTILITIES FOR LOCATION OF THEIR UTILITIES.
7. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY HIM TO EXISTING VALVE BOXES, SIDEWALKS, TRAFFIC CONDUIT, MANHOLES AND CURB AND GUTTER DURING CONSTRUCTION AND SHALL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE.
8. CAUTION - ALL EXISTING UTILITIES SHOWN REFLECT THE BEST INFORMATION AVAILABLE AND ARE APPROXIMATE ONLY. EXACT DEPTH OF UTILITIES IS UNKNOWN.
9. ALL MANHOLE FRAMES, COVERS, WATER VALVE FRAMES AND LIDS SHALL BE ADJUSTED WITH CONCRETE COLLARS IN ACCORDANCE WITH THE STANDARD DETAILS. ALL MANHOLE FRAMES, COVERS, WATER VALVE FRAMES AND LIDS ON PARADISE BLVD., WITHIN PROJECT LIMITS, SHALL NOT BE ADJUSTED UNTIL AFTER THE THREE (3) INCH SURFACE COURSE HAS BEEN PLACED AND COMPACTED TO INSURE PROPER FINISHED GRADE.
10. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
11. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
12. BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
13. ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
14. QUANTITIES SHOWN HEREIN, FOR THE VARIOUS BID ITEMS, ARE FOR THE CONTRACTOR'S INFORMATION ONLY. PAYMENT SHALL BE BASED ON ACTUAL QUANTITIES AS CONSTRUCTED.

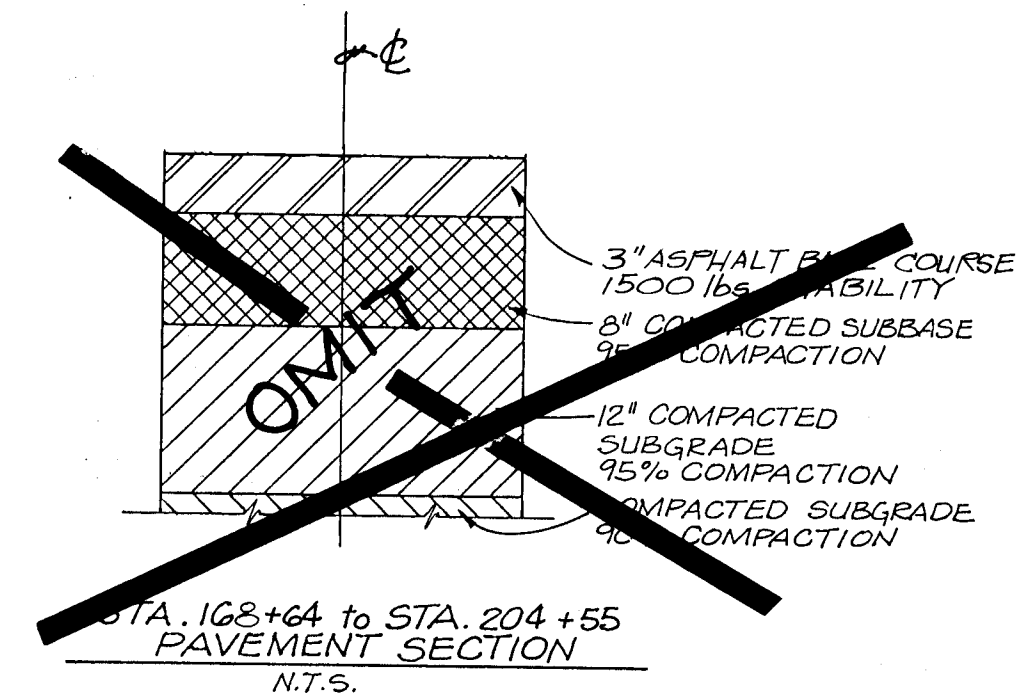
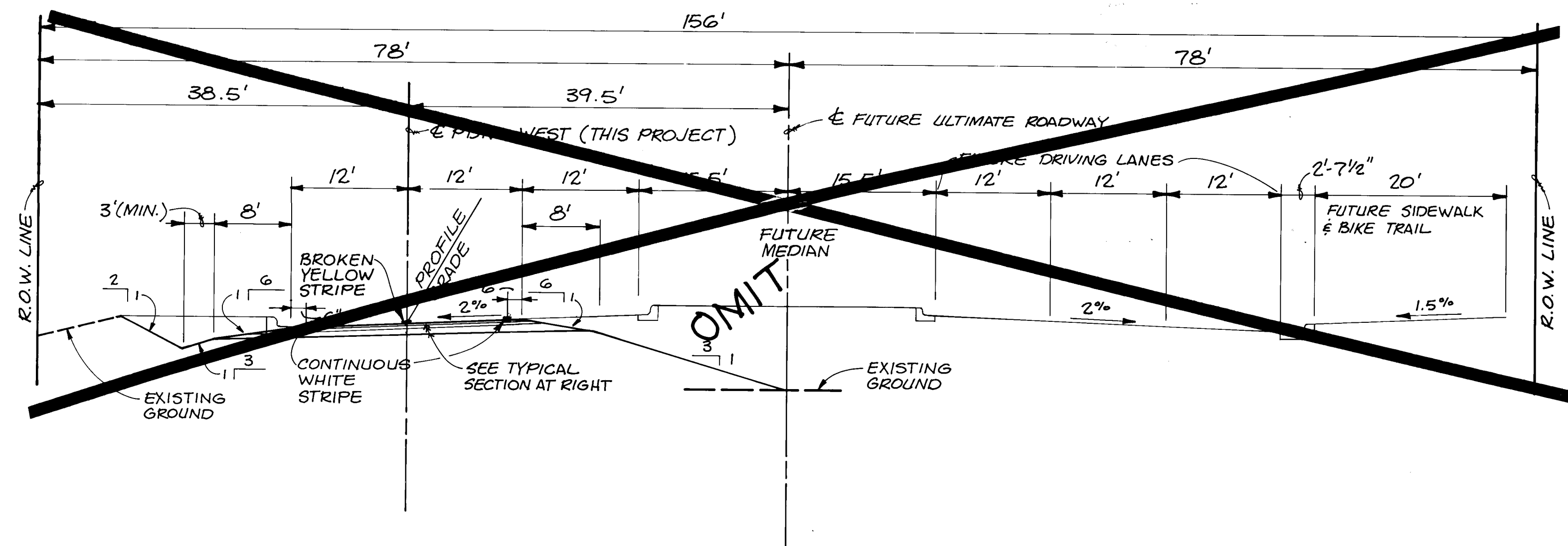
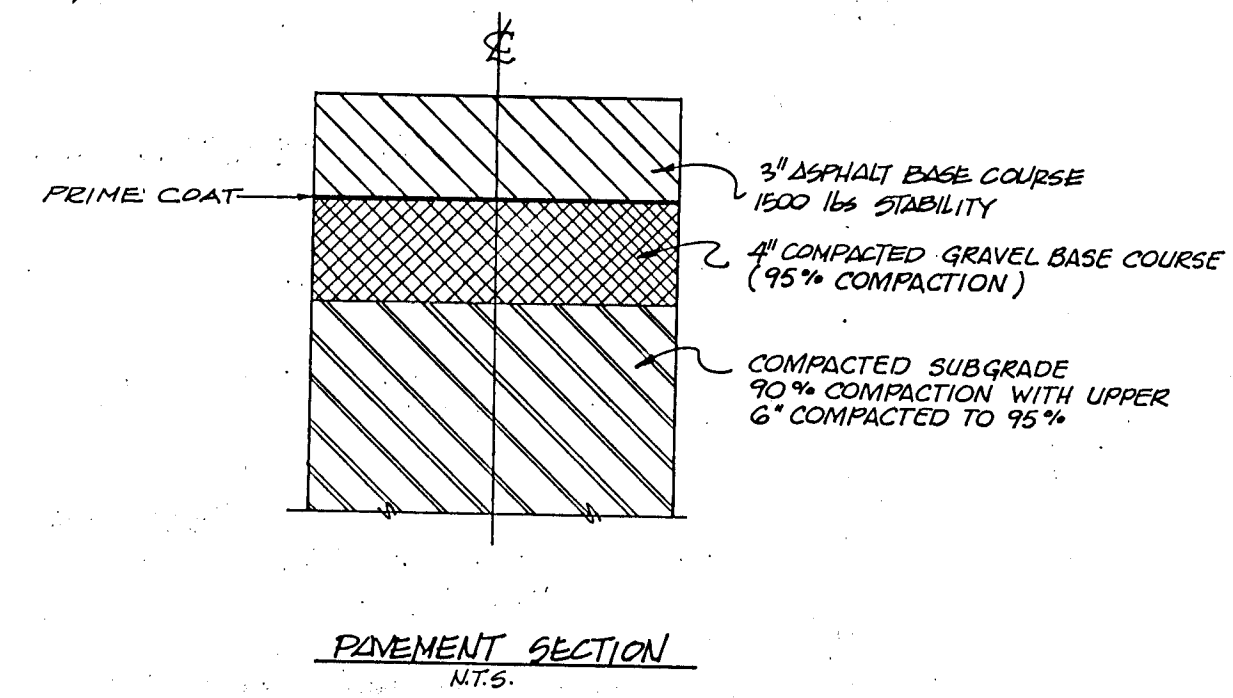
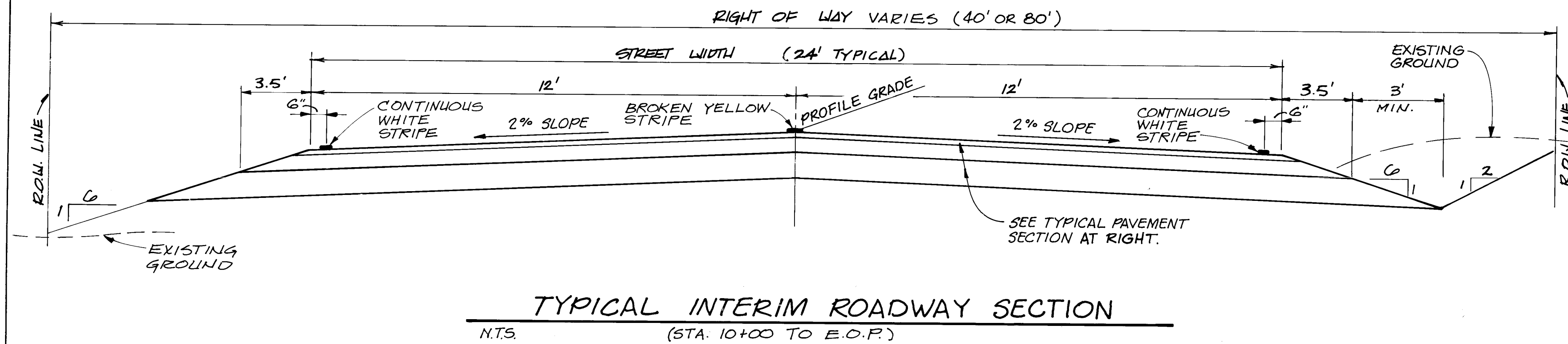
TRAFFIC CONTROL NOTES

1. CONTRACTOR SHALL ADHERE TO SECTION 19 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR CONSTRUCTION, 1986.
2. CONTRACTOR SHALL LIMIT OPERATION WITHIN ROADWAY TO THE HOURS SPECIFIED BY THE BARRICADING OR CONSTRUCTION COORDINATION ENGINEER AT 768-2552.
3. FOR STRIPING PLAN & DETAILS SEE SHEETS 3 & 5

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
APPROVAL OF REVISIONS							

		APPROVED FOR CONSTRUCTION <i>Raymond Lordy</i> CITY ENGINEER DATE 8-24-91 PLAN SET No.
PROJECT NUMBER 3545		SHEET 1 OF 30

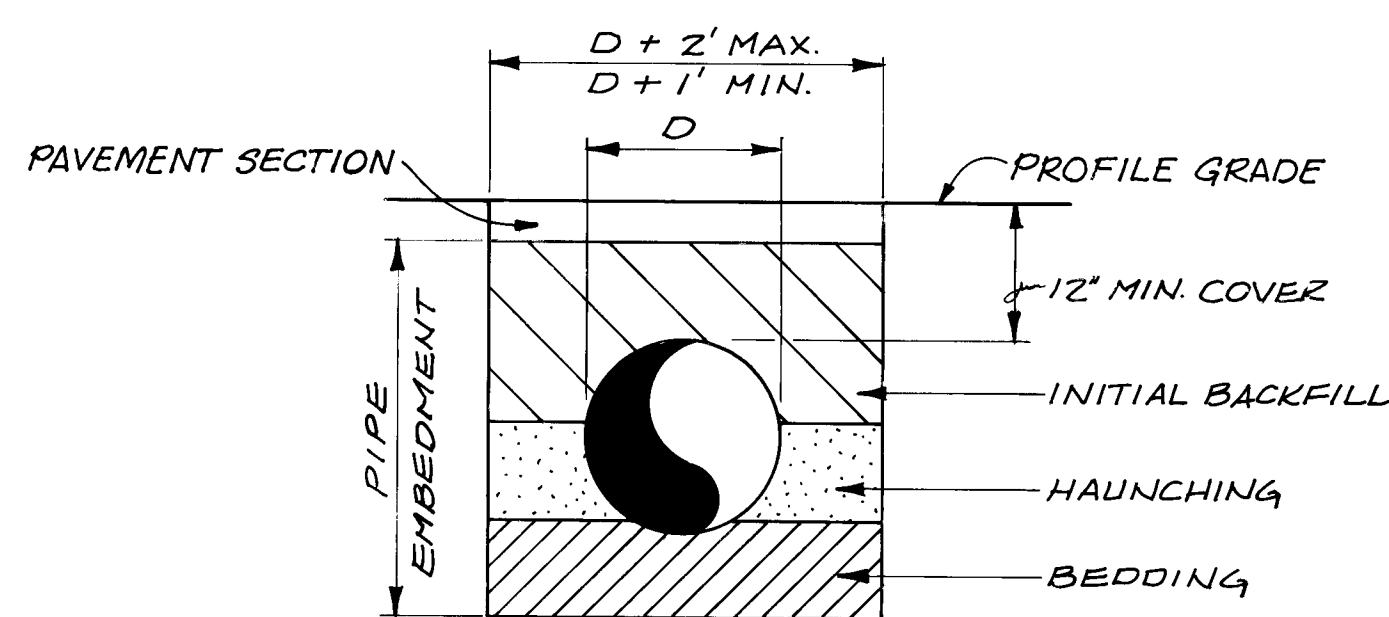
AS-BUILT



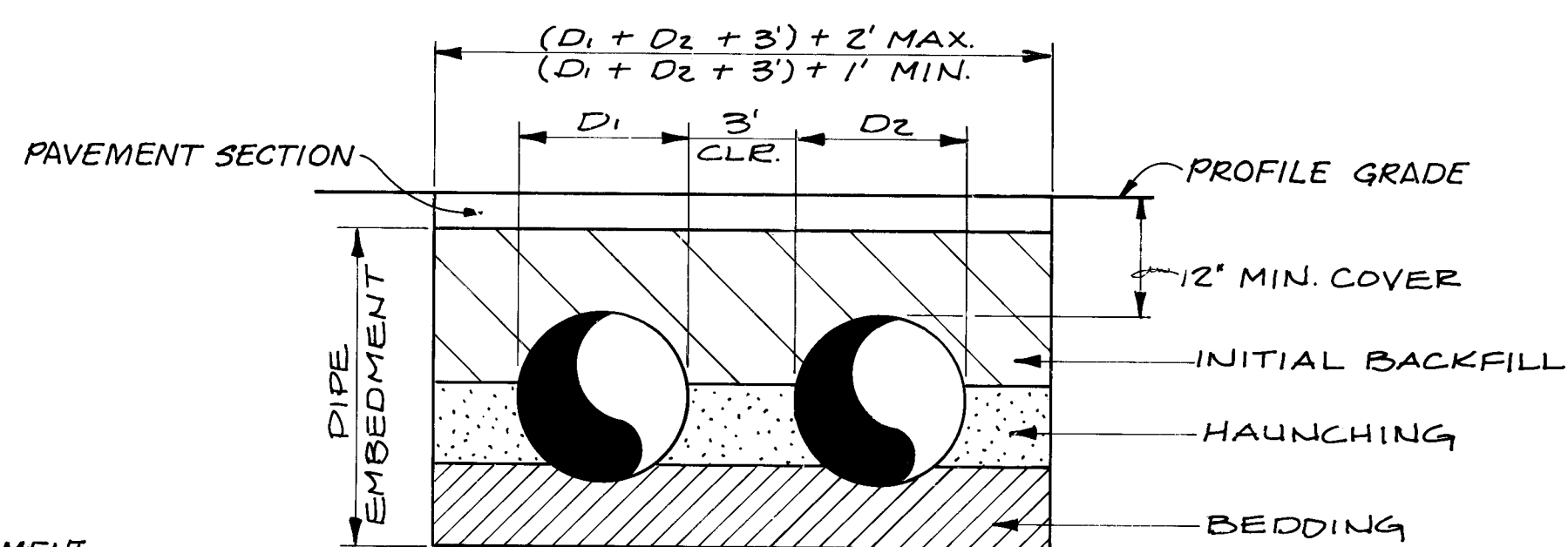
TYPICAL ULTIMATE ROADWAY SECTION
N.T.S. (STATION 168+64 TO 204+55)

STRIPING NOTES

- EDGE OF PAVEMENT MARKINGS SHALL BE 4" WIDE CONTINUOUS, WHITE LINES EXCEPT AS NOTED ON PLANS.
- CENTERLINE PAVEMENT MARKINGS SHALL BE 4" WIDE BROKEN, YELLOW LINES WITH 10 FT SEGMENTS AND 30 FT GAPS, TYPICAL.
- NO PASS ZONE MARKINGS SHALL BE 4" WIDE YELLOW CONTINUOUS LINES PLACED AS CALLED OUT ON PLANS.



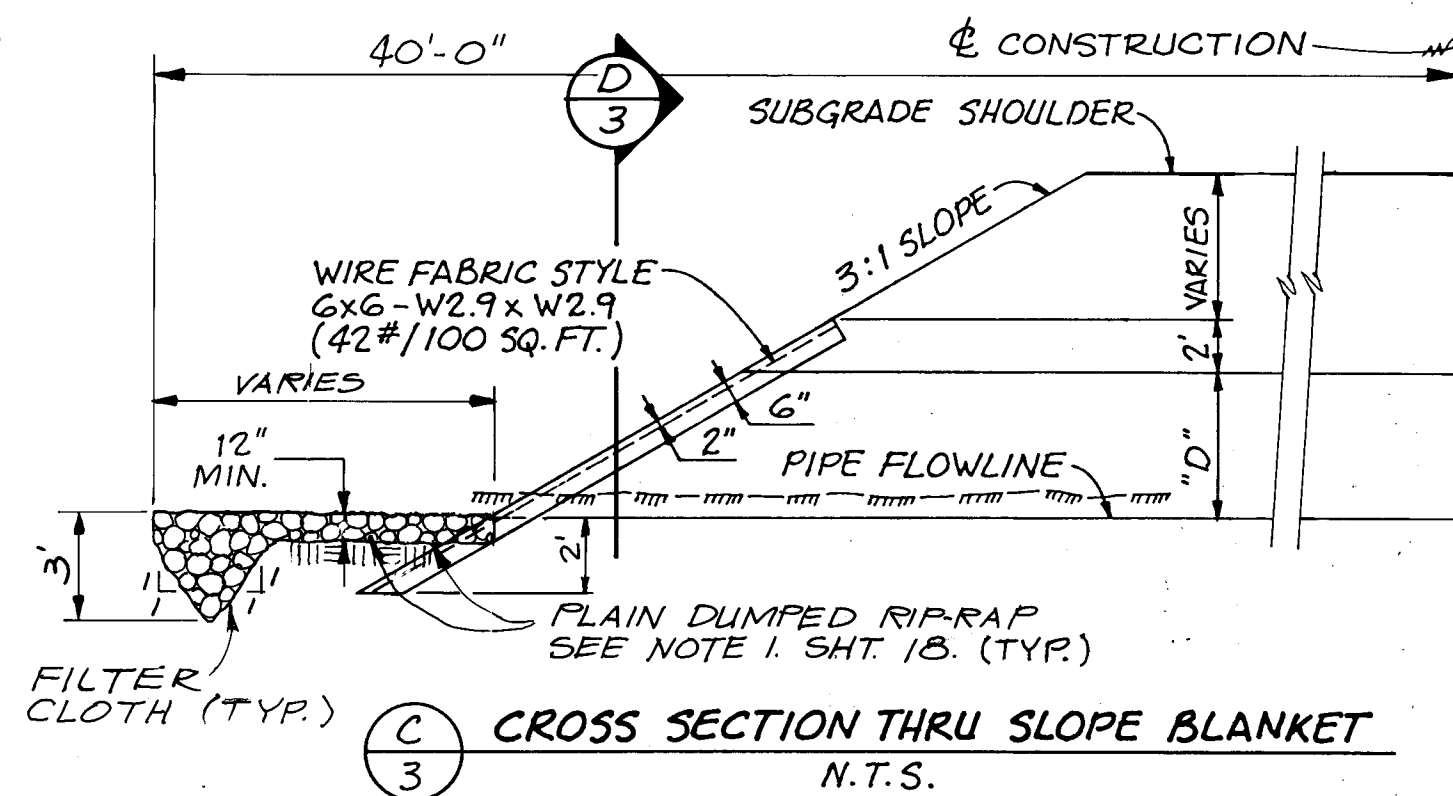
(A) SINGLE C.M.P. SECTION
N.T.S.



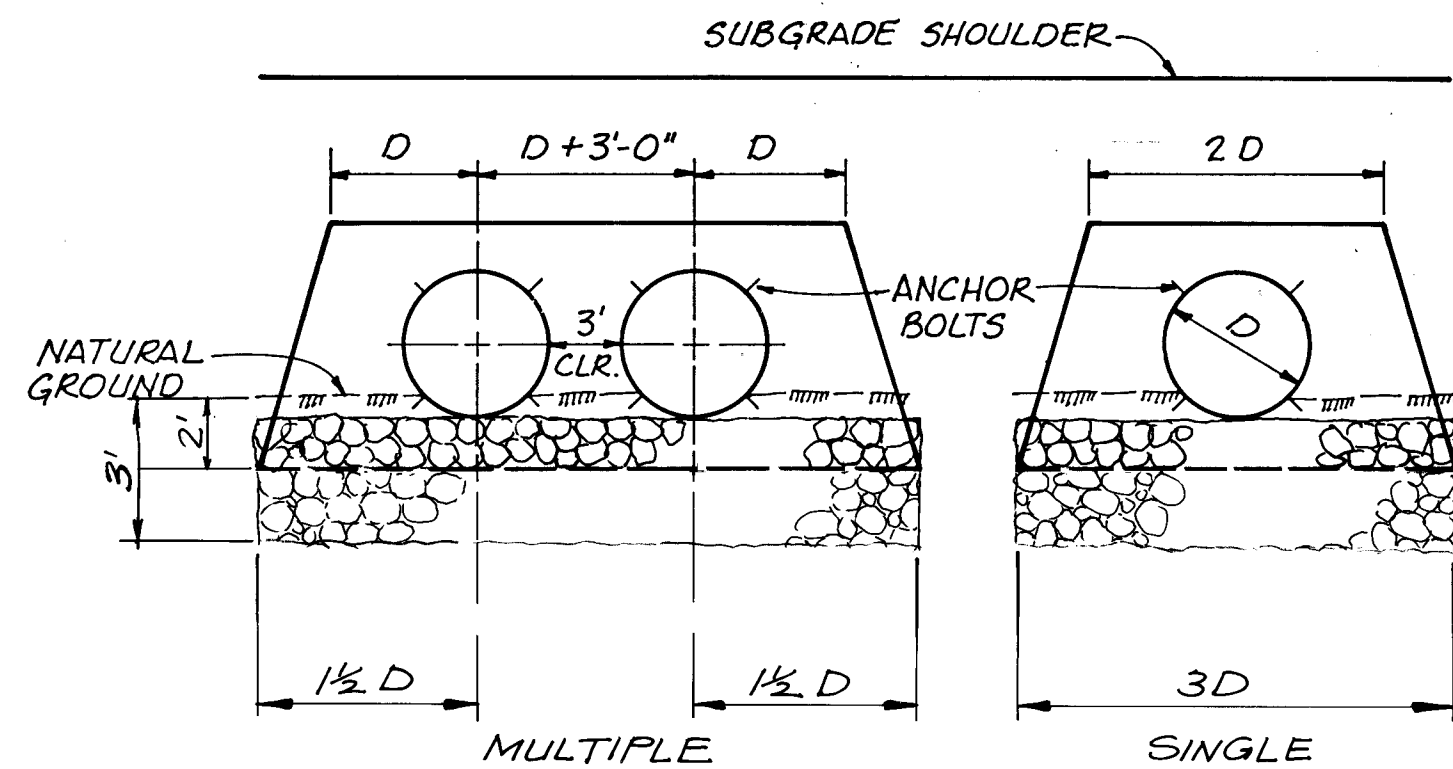
(B) MULTIPLE C.M.P. SECTION
N.T.S.

LEGEND

- ⊙ L.P. LIGHT POLE
- ⊕ PRESSURE RELEASE VALVE MANHOLE
- ⊗ WATER VALVE
- ⊙ W.M. WATER METER
- ⊙ EXISTING FIREHYDRANT
- ⊙ EXISTING SANITARY SEWER MANHOLE
- 16" SAS --- EXISTING SANITARY SEWER LINE
- G --- EXISTING GAS LINE
- 12" W --- EXISTING WATER LINE
- W --- EXISTING WATER MAIN
- FINISHED GRADE
- EXISTING GRADE
- SLOPE LIMITS
- TEMPORARY CONSTRUCTION EASEMENT
- TRACT BOUNDARY LINE
- SECTION LINE
- R/W --- RIGHT-OF-WAY LINE



(C) CROSS SECTION THRU SLOPE BLANKET
N.T.S.



(D) SECTION FOR NORMAL INSTALLATION
N.T.S.

C.M.P. NOTES:

- C.M.P. SHALL BE LAID WITH EXTERNAL LAPS OF THE CIRCUMFERENTIAL SEAMS TOWARD THE INLET END. SEAMS ARE TO BE PLACED AT THE SIDES NOT ON THE BOTTOM.
- CLASS IV OR V SOIL SHALL NOT BE USED FOR EMBEDMENT.
- PLACE EMBEDMENT IN LIFTS OF 8" MAX. HAUNCHING SHALL BE COMPACTED WITH HAND TAMPERS WITH DUE CAUTION NOT TO DAMAGE PIPE.
- BEDDING DEPTH SHALL BE A MIN. OF 4" FOR PIPE SIZES 27" AND SMALLER AND 1/8" PIPE O.D. FOR SIZES GREATER THAN 27".
- HAUNCHING AND BEDDING SHALL BE CLASS II OR III MATERIALS COMPACTED TO A DENSITY NOT LESS THAN 95% OF MAX DENSITY PER ASTM D 1557.
- THE USE OF MECHANICAL VIBRATORY COMPACTORS DIRECTLY OVER THE PIPE IS PROHIBITED IN THE EMBEDMENT AREA.
- INITIAL BACKFILL SHALL BE COMPACTED TO A DENSITY NOT LESS THAN 90% OF MAX. DENSITY PER ASTM D 1557. AND SHALL CONSIST OF HOMOGENEOUS NATIVE MATERIALS, EXCLUDING BOULDERS, FROZEN CLUMPS, RUBBLE OR CLASS IV SOILS. SEE PAVEMENT SECTION FOR ADDITIONAL COMPACTION REQUIREMENTS, UNDER ROADWAY.
- SEE SECTION 701 OF THE SPECIFICATIONS FOR ADDITIONAL TRENCHING & BACKFILL REQUIREMENTS.
- ALL C.M.P. PIPE SHALL BE A MINIMUM OF 16 GA. THICKNESS W/ BEVELED ENDS.

SLOPE BLANKET NOTES:

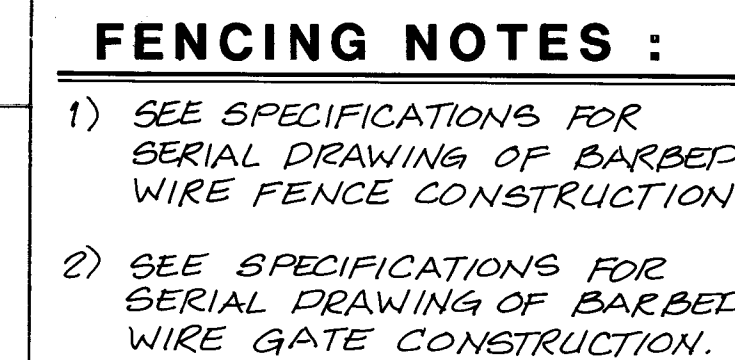
- ANCHOR BOLTS SHALL BE 3/4" x 6" GALV. HEX. W/ DOUBLE NUTS. BOLTS SHALL BE SET AT APPROX. 19" CENTERS AROUND THE PERIMETER OF THE PIPE AT THE 1/2 OF THE BLANKET & SHALL BE BENT 90° TO MAINTAIN THIS POSITION. ANCHOR BOLTS WILL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE WORK AND NO MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.
- ENDS OF BEVELED PIPE SHALL BE CORRECTED FOR INVERT GRADE WHEN FLOWLINE GRADE OF PIPE EXCEEDS 2%.
- D = INSIDE DIAMETER OF METAL PIPE.
- CONCRETE SHALL BE STRUCTURAL CONCRETE, 4000 P.S.I.
- RIPRAP PROTECTION SHALL BE PLACED UPSTREAM AND DOWNSTREAM OF CULVERTS TYP. AS SHOWN U.N.O. ON CULVERT DETAILS.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
PLANNING DIVISION

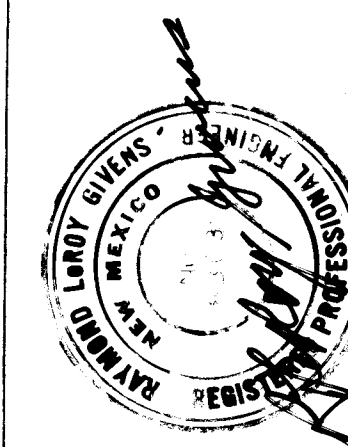
TITLE: PASEO del NORTE, WEST/PASEO del VOLCAN
PAVING DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	8-28-94	
A.C.E. Design	8-27-94		Traffic	8-28-94	
A.C.E. Hydrology	8-27-94		Water	8-28-94	

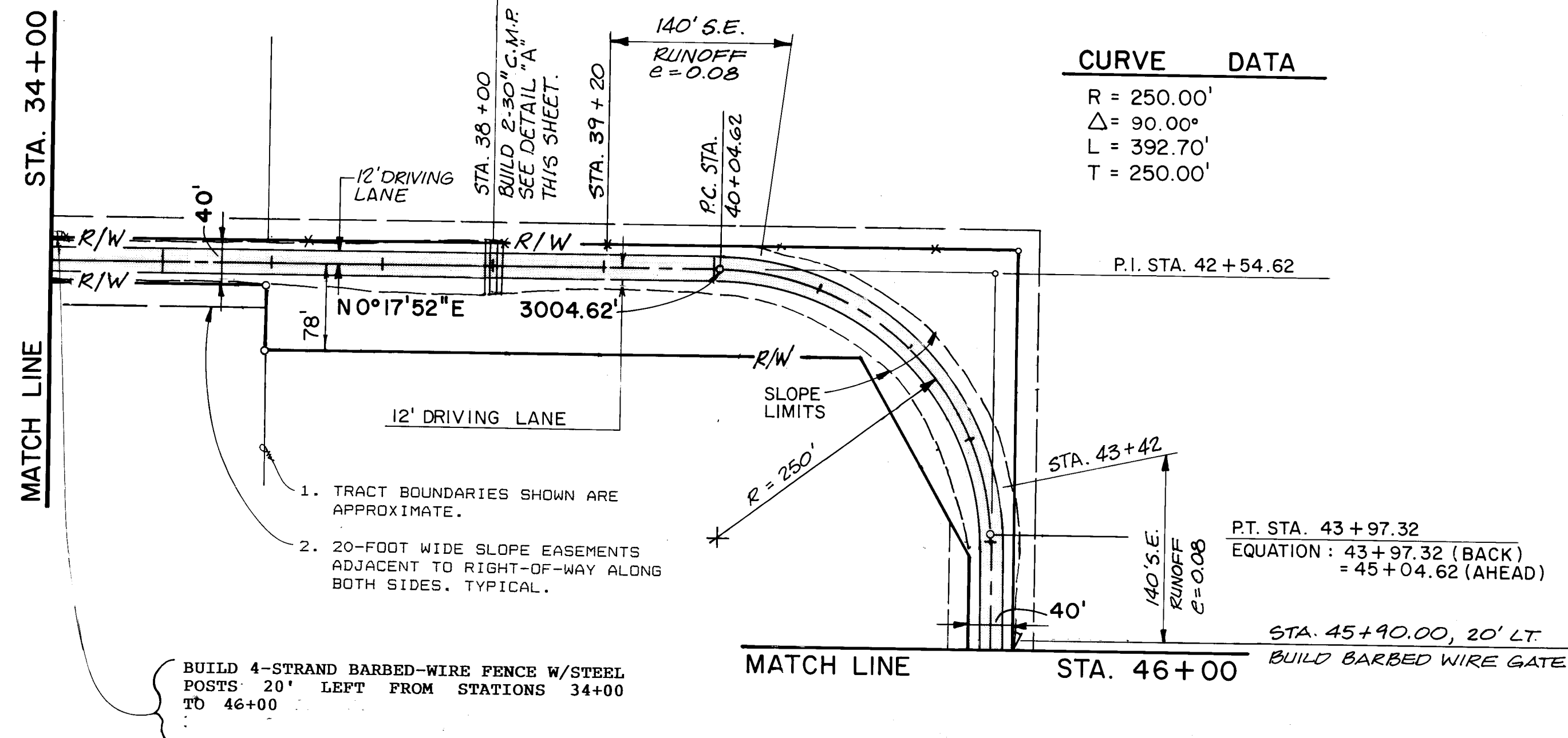
DRAWING NO. 3545 MAP NO. SHEET 3 OF 30



1) CONTRACTOR SHALL FIELD VERIFY CULVERT ALIGNMENTS, LENGTHS AND INVERT ELEVATIONS AND SHALL NOTIFY PROJECT ENGINEER OF ANY SIGNIFICANT DEVIATIONS.

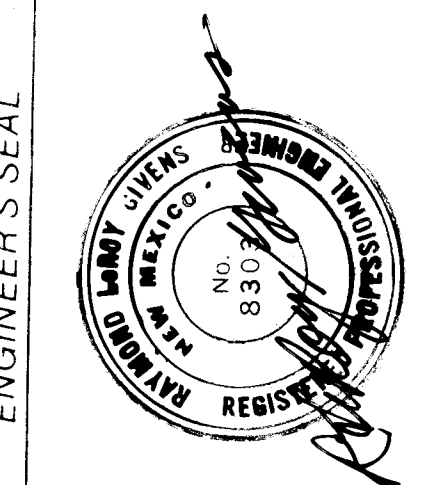
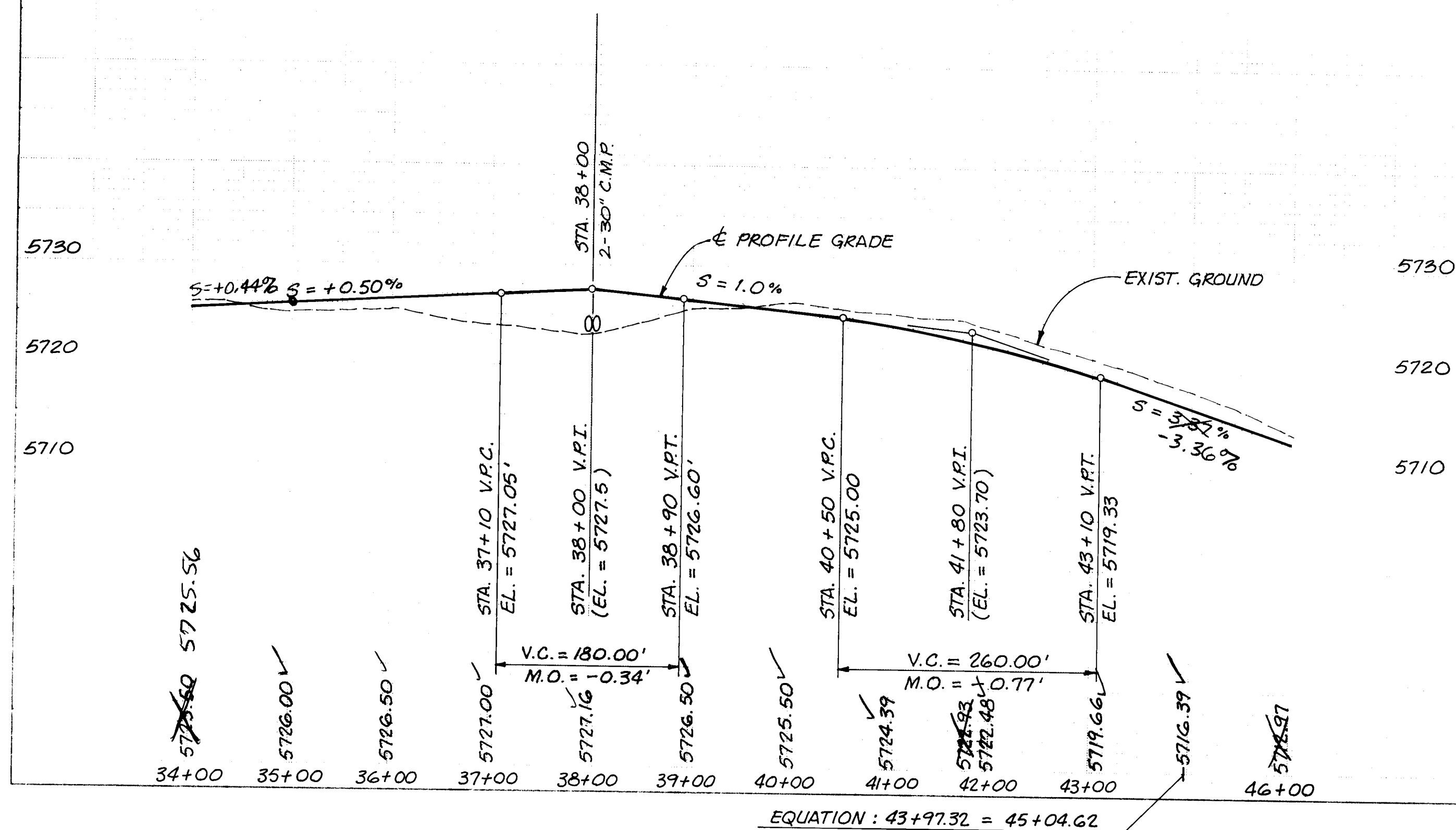
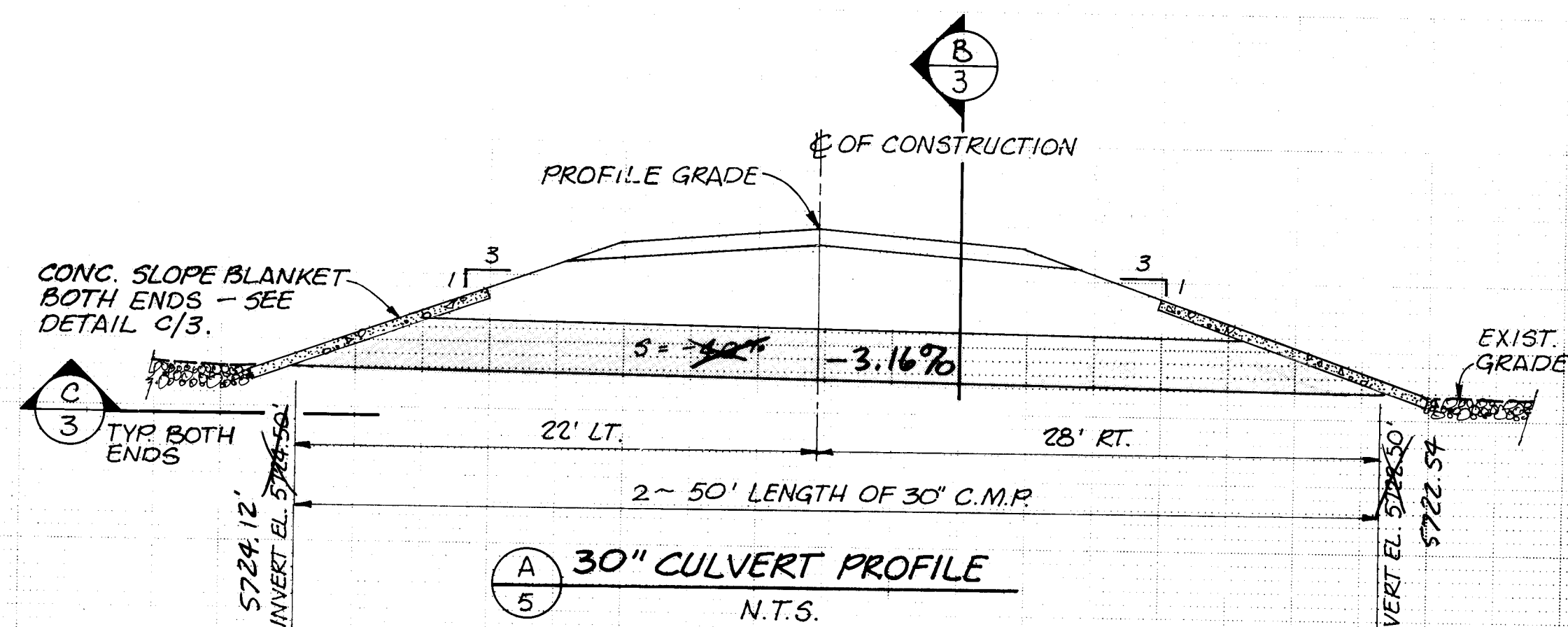
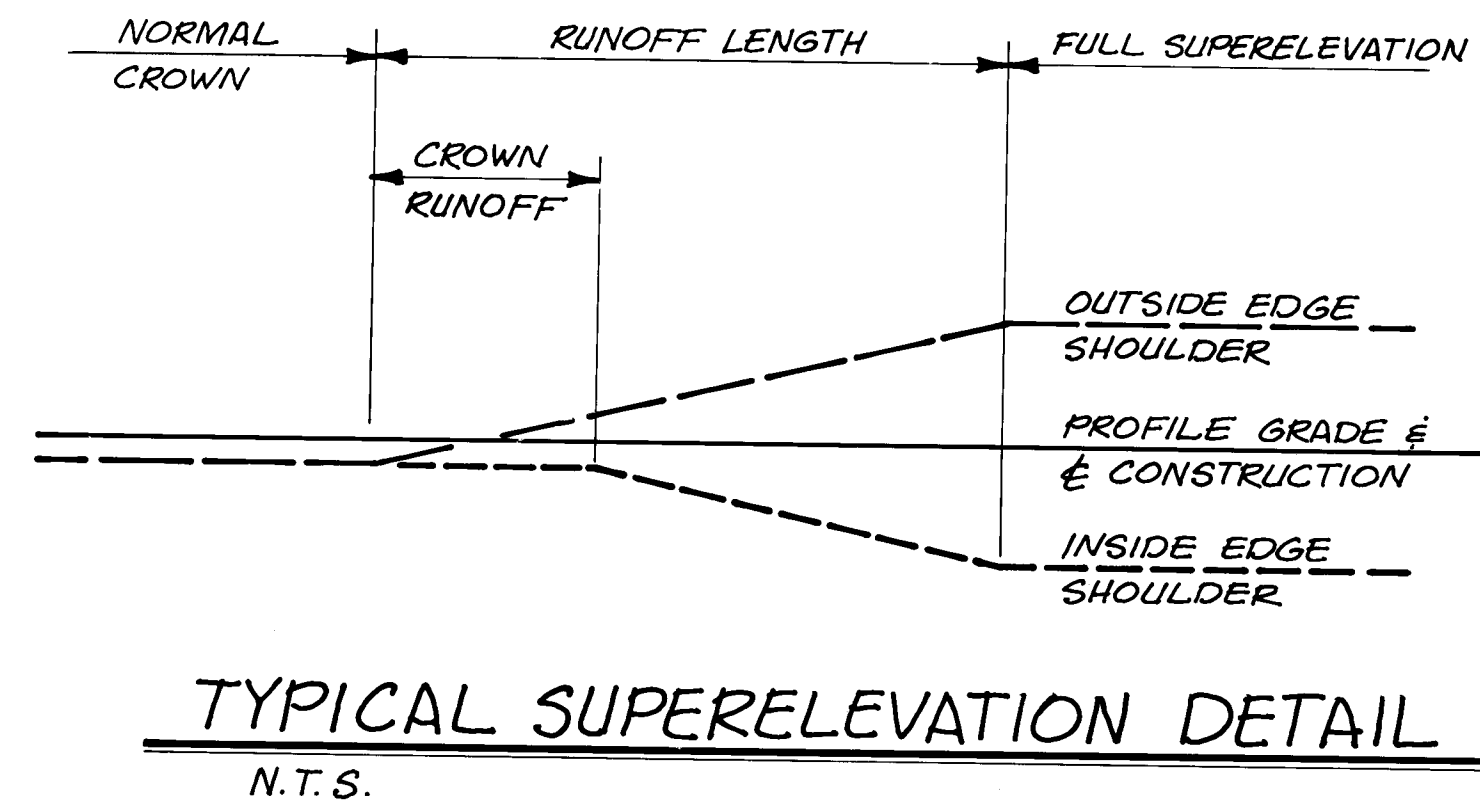
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TOWN OF ALAMEDA GRANT



HORIZ: 1"=100'
VERT: 1"=10'

PASEO DEL VOLCAN

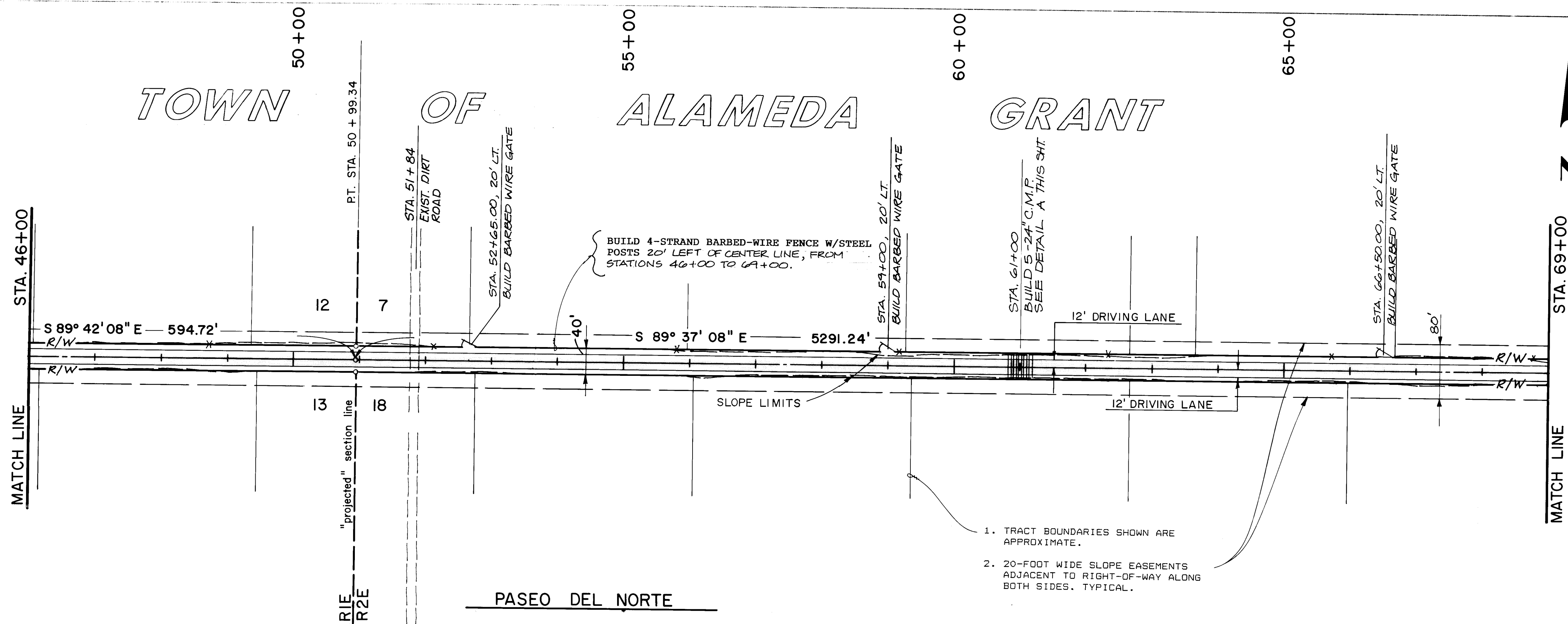


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PASEO del NORTE, WEST /PASEO del VOLCAN
PAVING: sta. 34+00 to sta. 46+00

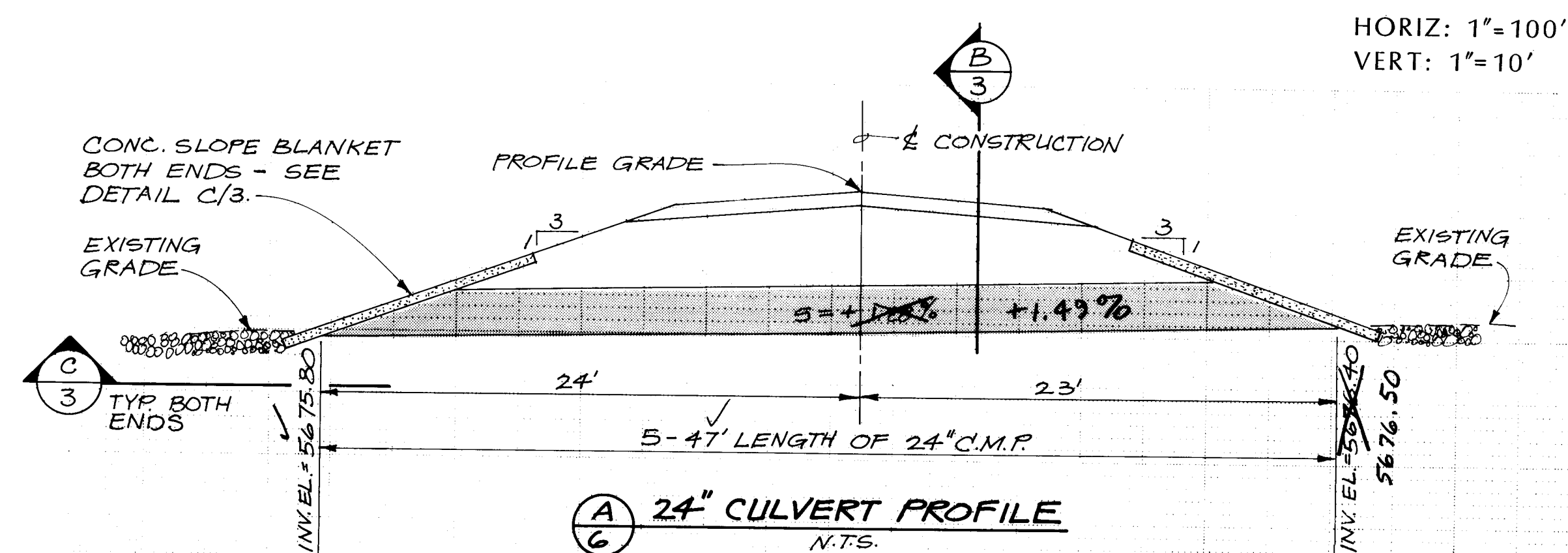
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design	Rogel	8/29/91	Traffic		
A.C.E. - Hydrology			Water		
N.M. Utilities	N/A				

DRAWING NO. 3545 MAP NO. B-7, C-7 SHEET 5 OF 30



1. TRACT BOUNDARIES SHOWN ARE APPROXIMATE.
2. 20-FOOT WIDE SLOPE EASEMENTS ADJACENT TO RIGHT-OF-WAY ALONG BOTH SIDES. TYPICAL.

PASEO DEL NORTE



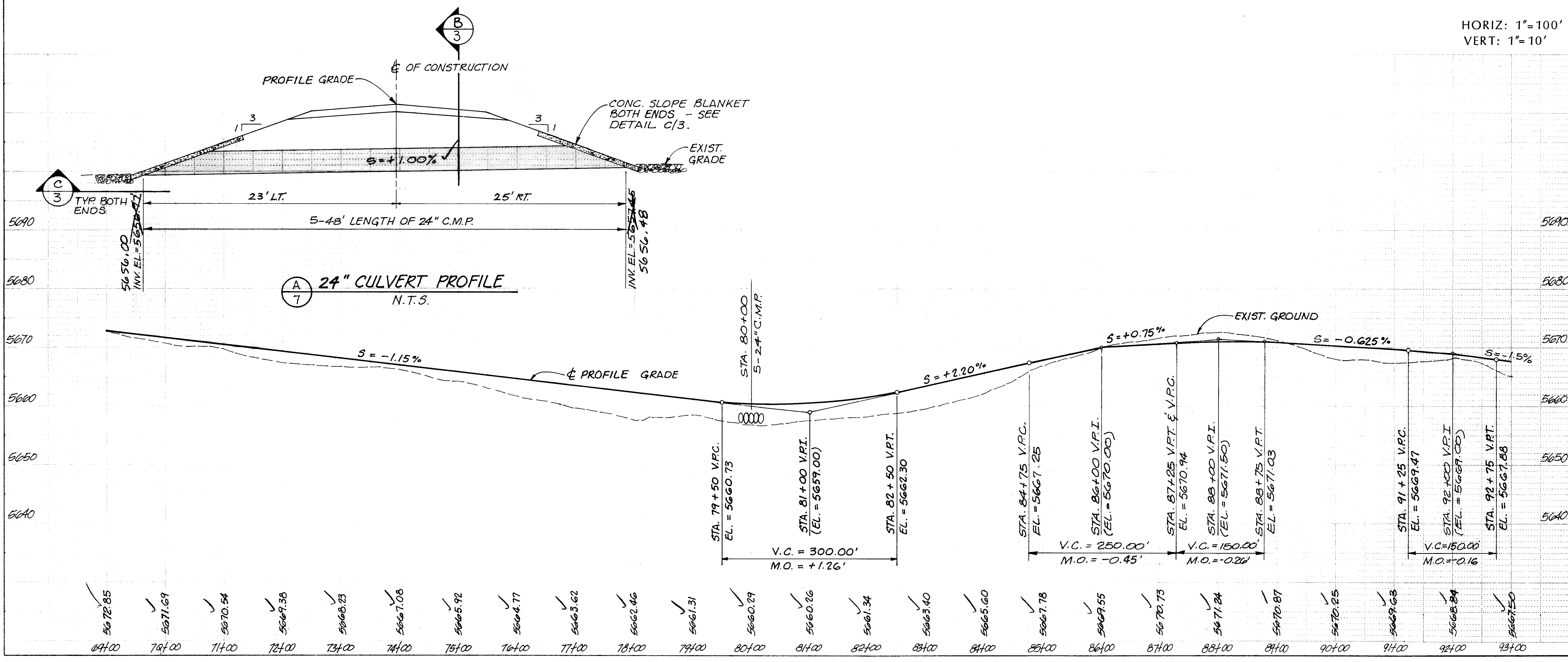
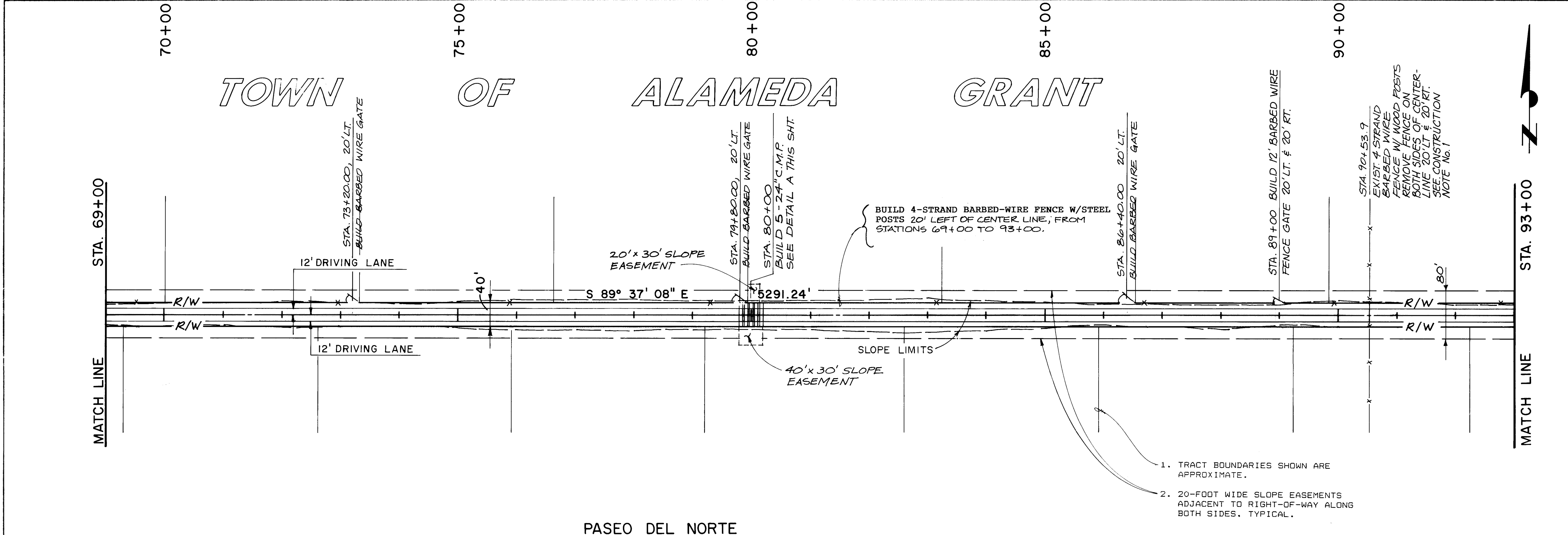
24" CULVERT PROFILE
N.T.S.

HORIZ: 1"=100'
VERT: 1"=10'

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		STANDARD A.C.S. BRASS TABLE "1-C9" LOCATED NEAR SECTIONS 16 & 17 T.11 N. R.2E ALONG THE SOUTH BOUNDARY OF THE TOWN OF ALAMEDA GRANT. ELEVATION = 5485.18'		CCM, INC.	
		NO.	DATE	DATE		DATE	
REVISIONS		BY		DATE		DATE	
DESIGNED BY G.A.S.		DATE 8/88		DATE 8/88		DATE 8/88	
DRAWN BY R.R.H.		DATE 8/88		DATE 8/88		DATE 8/88	
CHECKED BY R.L.G.		DATE 6/91		DATE 6/91		DATE 6/91	

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: PASEO del NORTE, WEST / PASEO del VOLCAN			
PAVING: sta. 46+00 to sta. 69+00			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	Roger A. H. H. H.	8/27/91	Liquid Waste
A.C.E. Design	R. L. G.	8-27-91	Traffic
A.C.E. Hydrology	N/A		Water
N.M. Utilities	N/A		
DRAWING NO.	3545	MAP NO.	B-7, C-7
SHEET 6		OF 30	

AF 224801



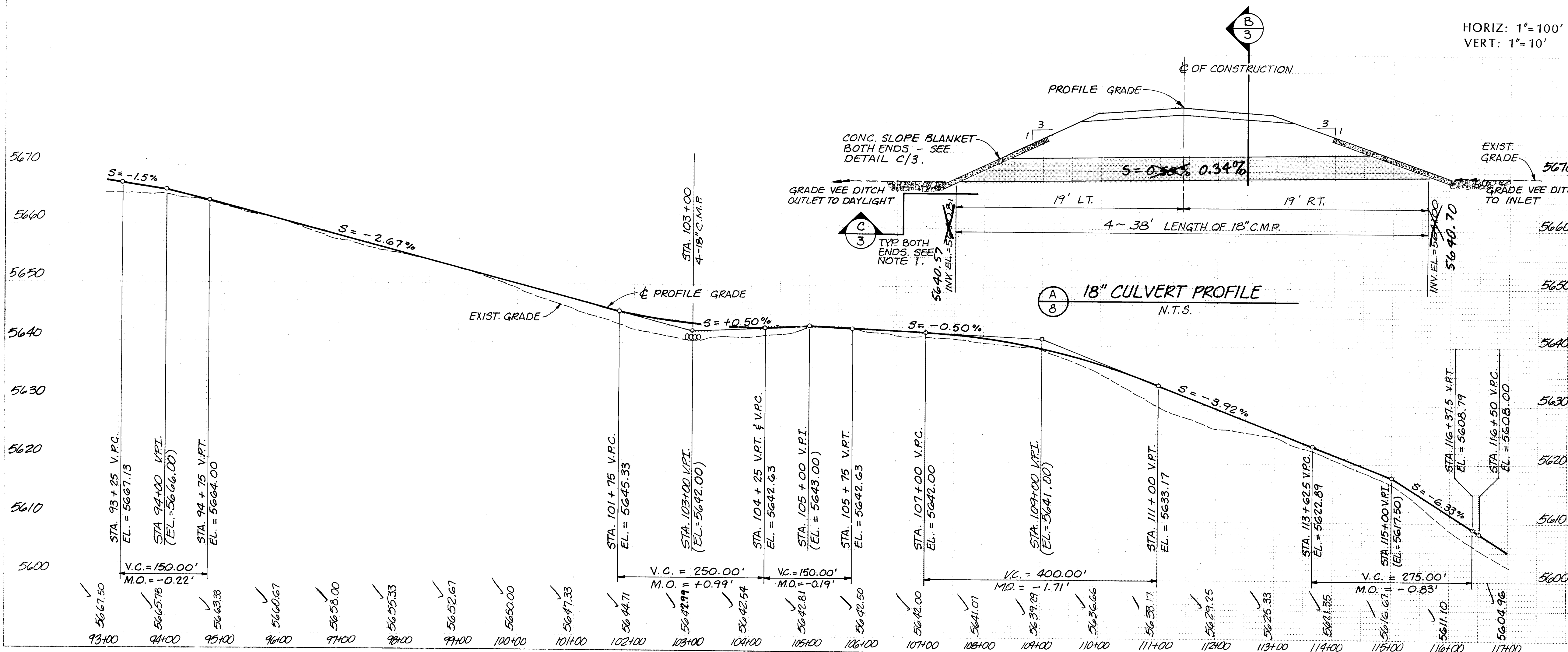
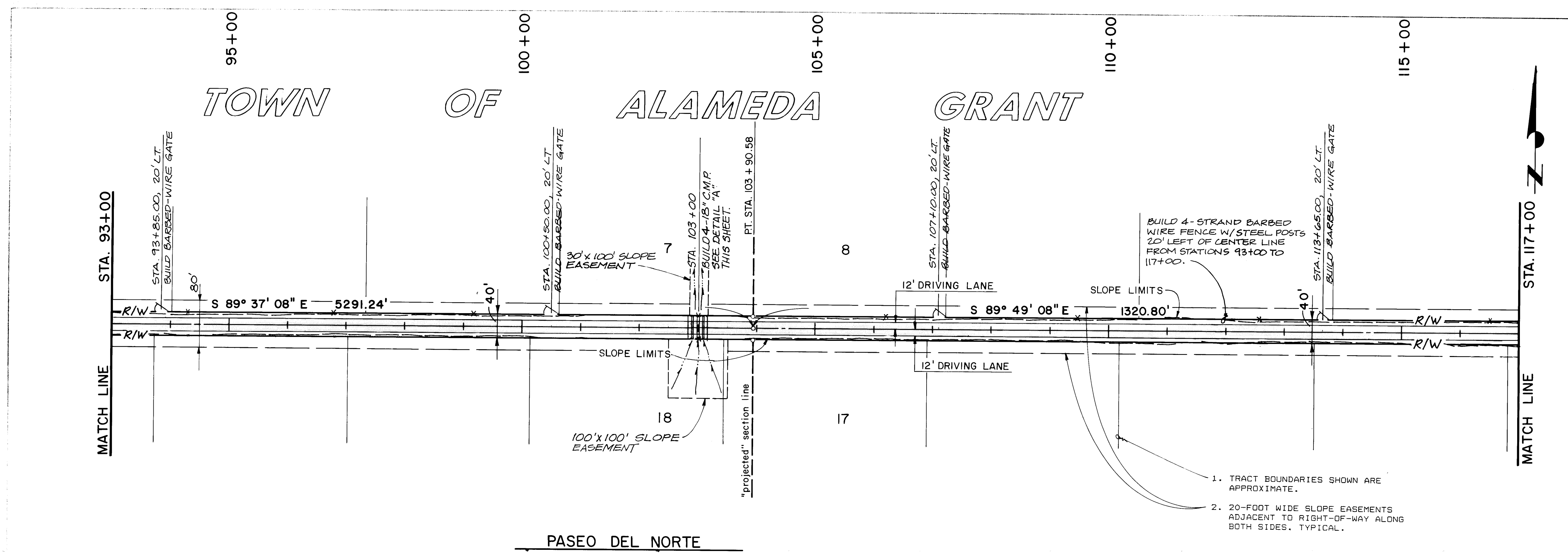
CONSTRUCTION NOTES :

- CONTRACTOR TO INSTALL PULL PANELS AT FENCE BREAKS. REMOVAL OF 40 L.F. OF EXIST. FENCE AND INSTALLATION OF PULL PANELS SHALL BE INCIDENTAL TO ROADWAY CONSTRUCTION. NO ADDITIONAL PAYMENT WILL BE MADE THEREFORE.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: PASEO del NORTE, WEST /PASEO del VOLCAN			
PAVING: sta. 69+00 to sta. 93+00			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer			Liquid Waste
A C E - Design			Traffic
A C E - Hydrology			Water
N.M. Utilities			
DRAWING NO.	3545	MAP NO.	B-7, C-7
SHEET 7		OF 30	



PAVEMENT MARKING NOTES

- STATION 103+00 TO STATION 116+00, CONTRACTOR SHALL INSTALL A CONTINUOUS YELLOW NO-PASS ZONE LINE RIGHT OF CENTERLINE; SEE DETAIL, SHEET 5.
- STATION 111+00 TO STATION 115+00, CONTRACTOR SHALL INSTALL A CONTINUOUS YELLOW NO-PASS ZONE LINE LEFT OF CENTERLINE; SEE DETAIL, SHEET 5.
- CONTRACTOR SHALL DISCONTINUE BROKEN YELLOW CENTERLINE BETWEEN STATION 111+00 AND 115+00.

CONSTRUCTION NOTES

- CONTRACTOR SHALL ADHERE TO DETAIL (C) 3 FOR CONSTRUCTION OF SLOPE PROTECTION FOR CULVERT AT STATION 103+00 EXCEPT THE LIMITS OF THE RIP-RAP WILL BE EXTENDED TO 120' LEFT AND RIGHT OF CENTERLINE OF ROADWAY.

AS BUILT INFORMATION

STANDARD A.C.S. BRASS TABLET "T-C" LOCATED NEAR SECTIONS 16 & 17 T-11 N. R.2E ALONG THE SOUTH BOUNDARY OF THE TOWN OF ALAMEDA GRANT. ELEVATION = 5485.18'	DATE	NO.	BY
CCM, INC.	ALS	92	

SURVEY INFORMATION

FIELD NOTES	DATE	NO.	BY

ENGINEER'S SEAL

REMARKS: DESIGN

NO. DATE

REVISIONS

DESIGNED BY: G.A.S. DATE: 8/88

DRAWN BY: R.R.H. DATE: 8/88

CHECKED BY: R.L.G. DATE: 6/91

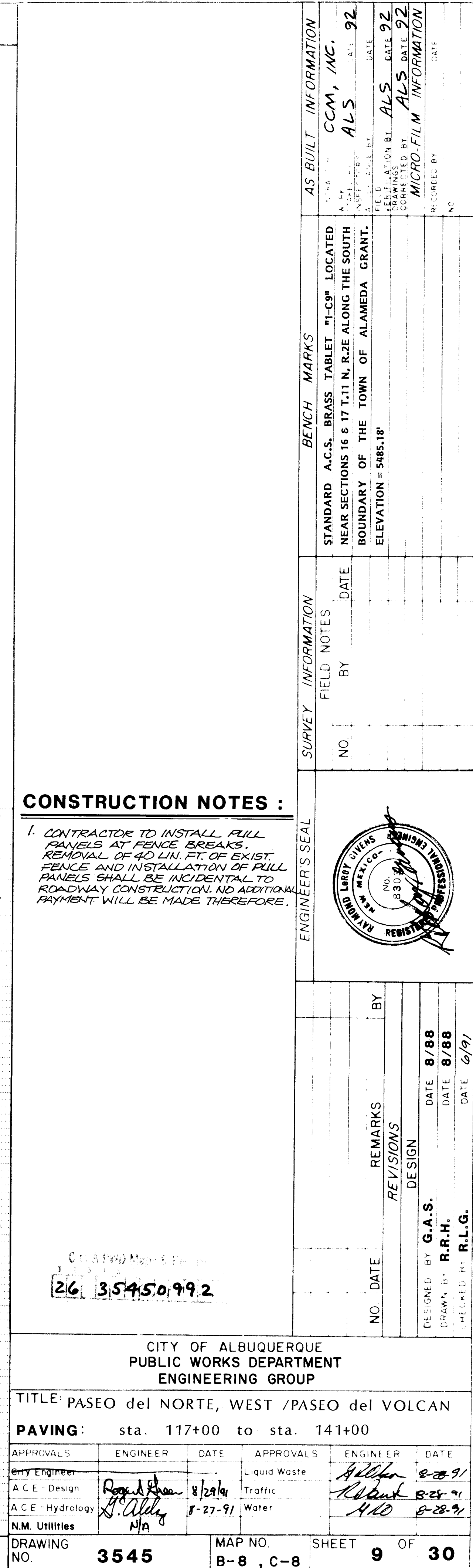
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP

TITLE: PASEO del NORTE, WEST / PASEO del VOLCAN

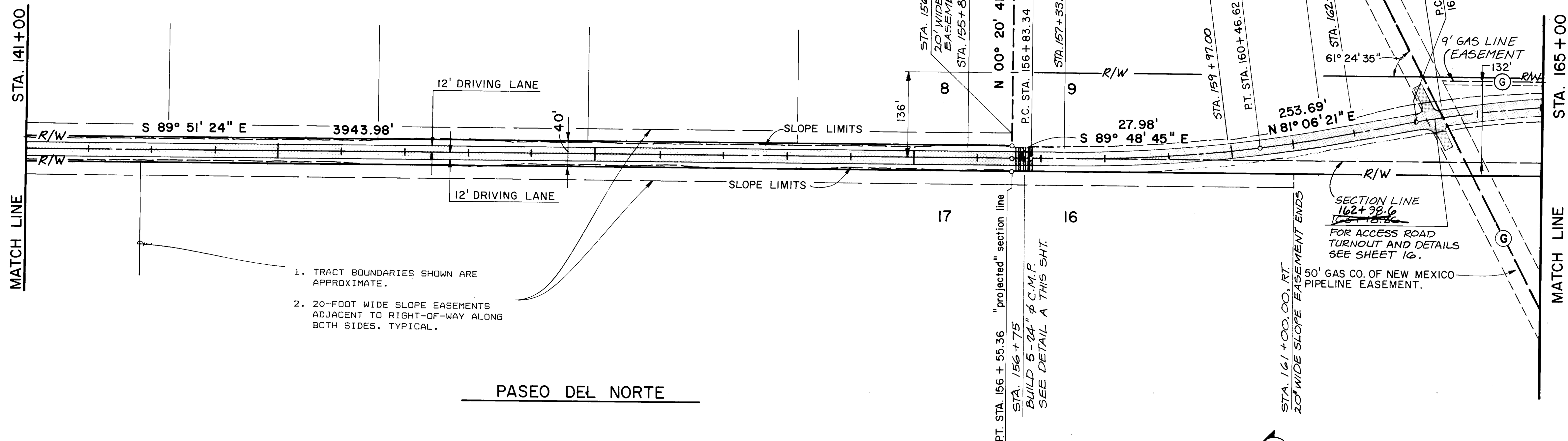
PAVING: sta. 93+00 to sta. 117+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
N.M. Utilities					

DRAWING NO. 3545 MAP NO. B-7, B-8, C-7, C-8 SHEET 8 OF 30



TOWN OF ALAMEDA GRANT PARADISE WEST



- TRACT BOUNDARIES SHOWN ARE APPROXIMATE.
- 20-FOOT WIDE SLOPE EASEMENTS ADJACENT TO RIGHT-OF-WAY ALONG BOTH SIDES, TYPICAL.

CURVE DATA
R = 2292.00'
Δ = 09° 04' 53"
L = 363.29'
T = 182.02'

CURVE DATA
R = 2292.00'
Δ = 09° 04' 54"
L = 363.29'
T = 182.03'

CONSTRUCTION NOTES :

- SEE SHEET 16 FOR UTILITY ACCESS ROAD CROSSING.
- SEE SHEET 5 FOR SUPER-ELEVATION DETAIL.
- SPECIAL CARE SHALL BE TAKEN WHEN WORKING OVER THE 12" AND 20" TRANSMISSION GAS LINES. HEAVY EQUIPMENT CANNOT BE USED OVER THE GAS LINES UNTIL 3 FEET OF COVER IS OVER THE PIPES. CONTRACTOR SHALL CONTACT GAS CO. OF N.M. MAINLINE CREW FOR LINE LOCATIONS WHEN WORK COMMENCES IN THE AREA AT 345-1877.

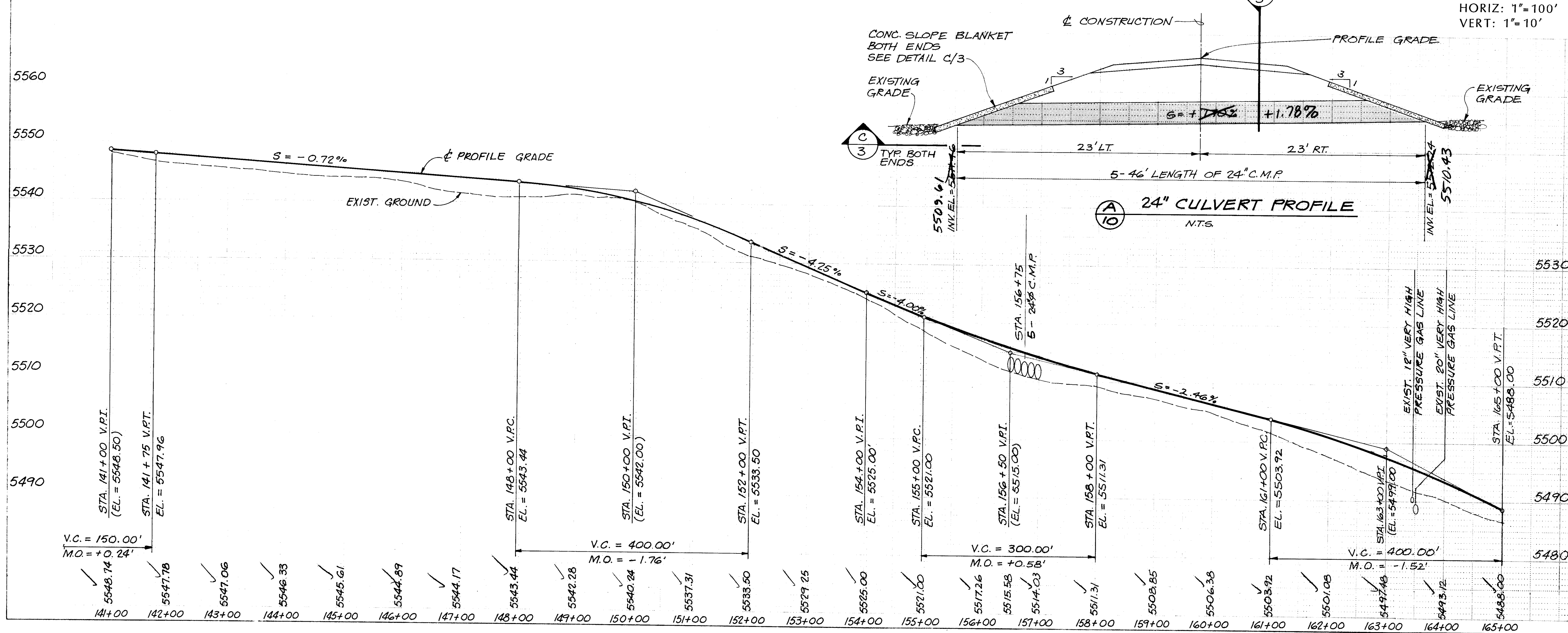
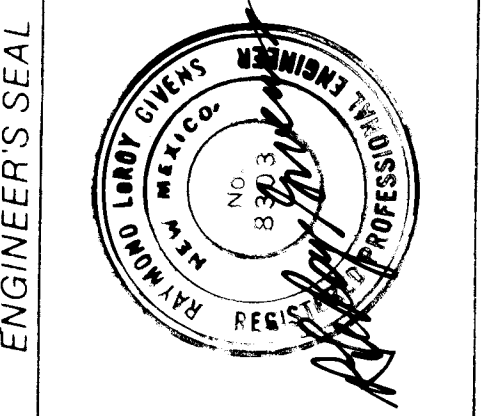
AS BUILT INFORMATION	BENCH MARKS	STANDARD A.C.S. BRASS TABLET "I-C" LOCATED NEAR SECTIONS 16 & 17 T.11 N. R.2E ALONG THE SOUTH BOUNDARY OF THE TOWN OF ALAMEDA GRANT. ELEVATION = 5485.18'
DATE	DATE	DATE
NO.	NO.	NO.

SURVEY INFORMATION	FIELD NOTES
NO.	NO.
BY	BY

ENGINEER'S SEAL	REVISIONS
NO.	NO.
DATE	DATE
BY	BY

PAVEMENT MARKING NOTES

- STATION 144+00 TO STATION 148+00, CONTRACTOR SHALL INSTALL A CONTINUOUS YELLOW NO-PASS ZONE LINE RIGHT OF CENTERLINE.
- STATION 151+50 TO STATION 155+00, CONTRACTOR SHALL INSTALL A CONTINUOUS YELLOW NO-PASS ZONE LINE LEFT OF CENTERLINE.



HORIZ: 1"=100'
VERT: 1"=10'

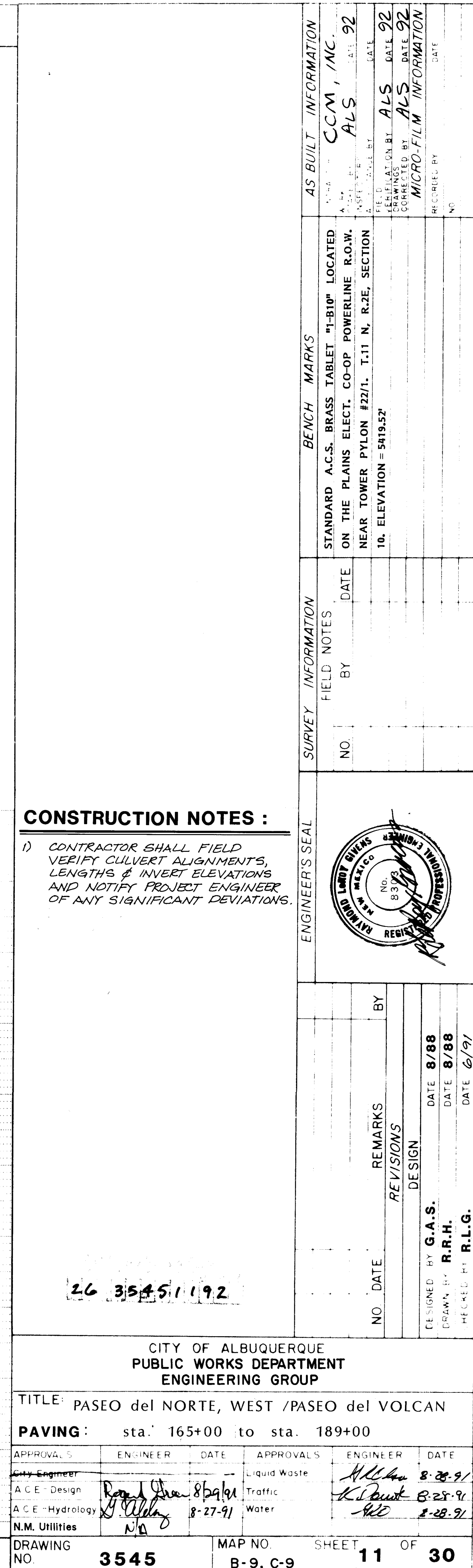
24" CULVERT PROFILE
N.T.S.

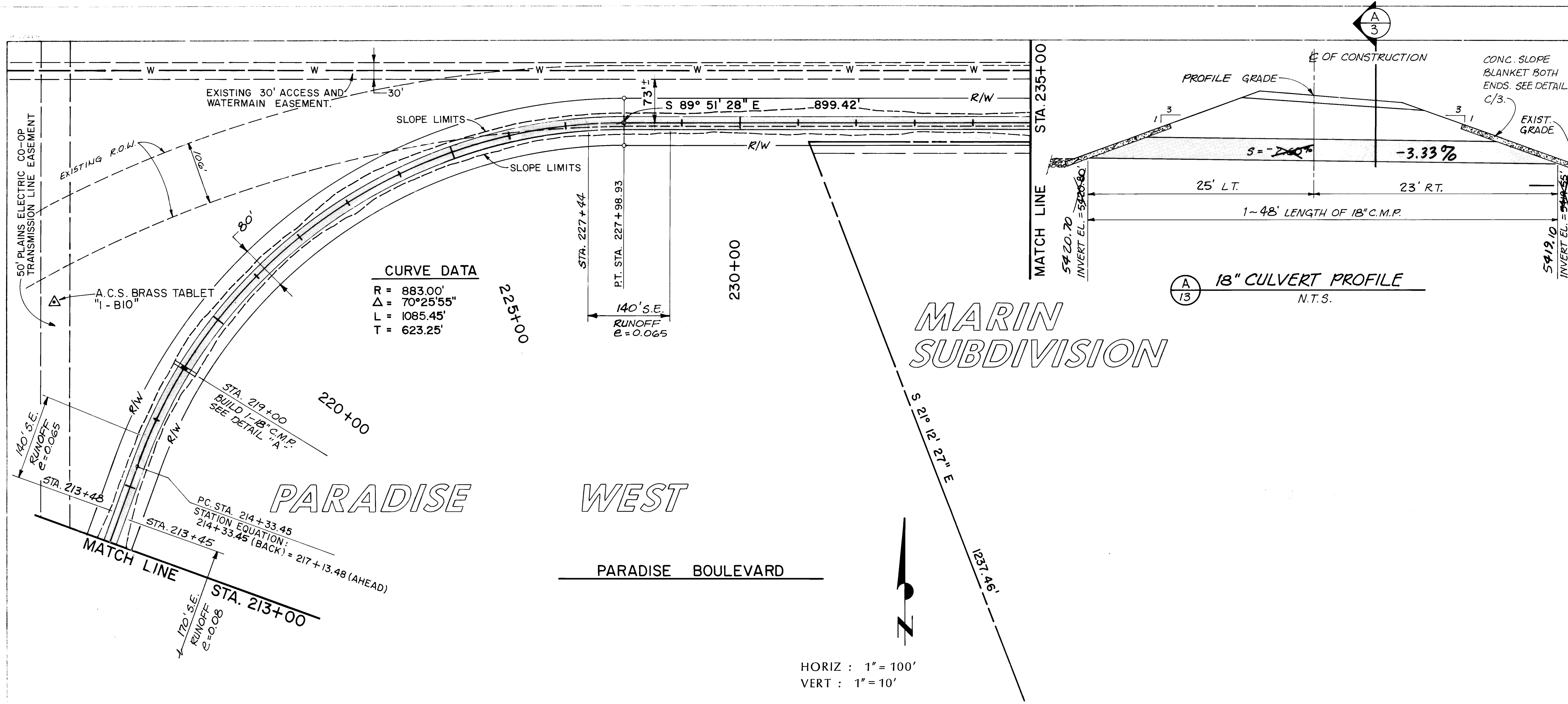
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PASEO del NORTE, WEST / PASEO del VOLCAN
PAVING: sta. 141+00 to sta. 165+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	David Brown	8/24/91	Liquid Waste	ALB	8/28/91
A.C.E. Design	David Brown	8/24/91	Traffic	ALB	8/28/91
A.C.E. Hydrology	David Brown	8/27/91	Water	ALB	8/28/91
N.M. Utilities	David Brown	8/27/91			

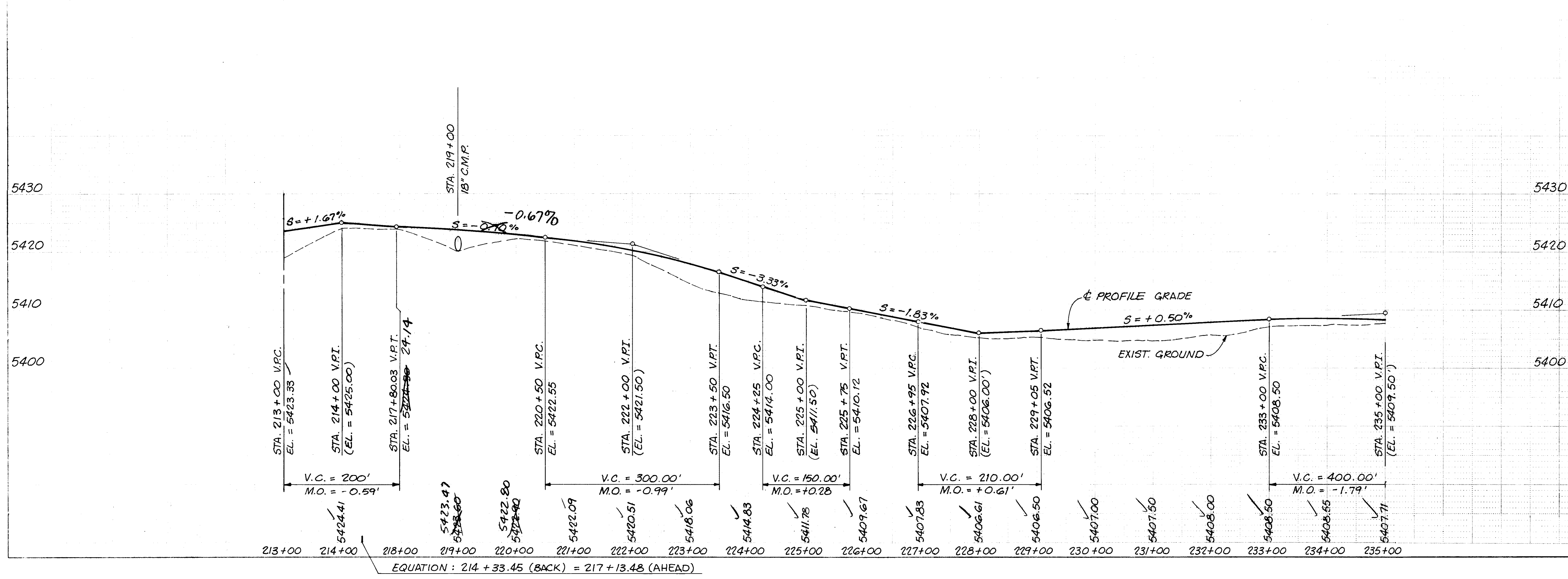
DRAWING NO. 3545
MAP NO. B-8, B-9
SHEET 10 OF 30



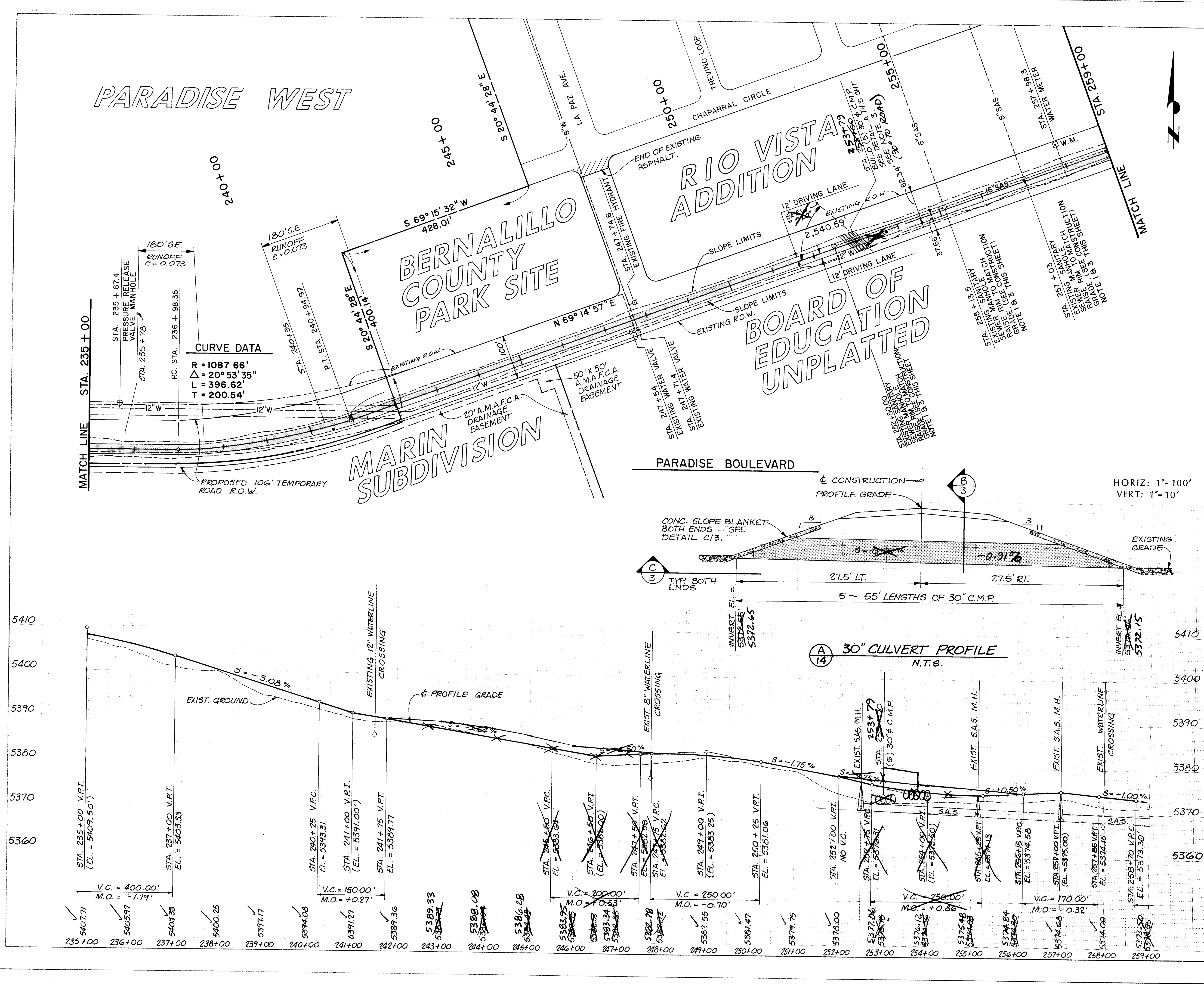


CONSTRUCTION NOTES :

1. SEE SHEET 5 FOR SUPER-ELEVATION DETAIL.



AS BUILT INFORMATION			
STANDARD A.C.S. BRASS TABLE "I-BIO" LOCATED ON THE PLAINS ELECT. CO-OP POWERLINE R.O.W. NEAR TOWER PYLON #22/1. T.11 N. R.2E. SECTION 10. ELEVATION = 5419.52'	BENCH MARKS	DATE	NO.
CCM, INC.	ALS	8/92	92
SURVEY INFORMATION			
FIELD NOTES	BY	DATE	NO.
ENGINEER'S SEAL			
REVISIONS			
NO.	DATE	REMARKS	BY
DESIGNED BY G.A.S.	DATE 8/88		
DRAWN BY R.R.H.	DATE 8/88		
CHECKED BY R.L.G.	DATE 6/91		
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: PASEO del NORTE, WEST /PASEO del VOLCAN PAVING: sta. 213+00 to sta. 235+00			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer			Liquid Waste
A.C.E. Design			Traffic
A.C.E. Hydrology			Water
N.M. Utilities			
DRAWING NO. 3545	MAP NO. B-10, C-10	SHEET 13 OF 30	



CONSTRUCTION NOTES:

- 1) SEE SHEET 5 FOR SUPER-ELEVATION DETAIL.
- 2) CONTRACTOR SHALL FIELD VERIFY CULVERT ALIGNMENTS, LENGTHS, AND INVERT ELEVATIONS, AND SHALL NOTIFY PROJECT ENGINEER OF ANY SIGNIFICANT DEVIATIONS.
- 3) EXISTING MANHOLE RIM TO BE ADJUSTED TO NEW GRADE USING A BARREL SECTION OF APPROPRIATE LENGTH.

NO.	DATE	REVISIONS

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: PASEO del NORTE, WEST / PASEO del VOLCAN					
PAVING: sta. 235+00 to sta. 259+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		
N.M. Utilities					
DRAWING NO.	3545	MAP NO.	B-10, C-10	SHEET	14 OF 30

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	STANDARD A.C.S. BRASS TABLET "T-810" LOCATED ON THE PLAINS ELECT. CO-OP POWERLINE R.O.W. NEAR TOWER PYLON #221/1. T-11 N. R-2E. SECTION 10. ELEVATION = 5419.52'	MARKS	DATE	BY

ENGINEER'S SEAL		REVISIONS		DATE	
NO.	DATE	REVISIONS	DATE	NO.	DATE

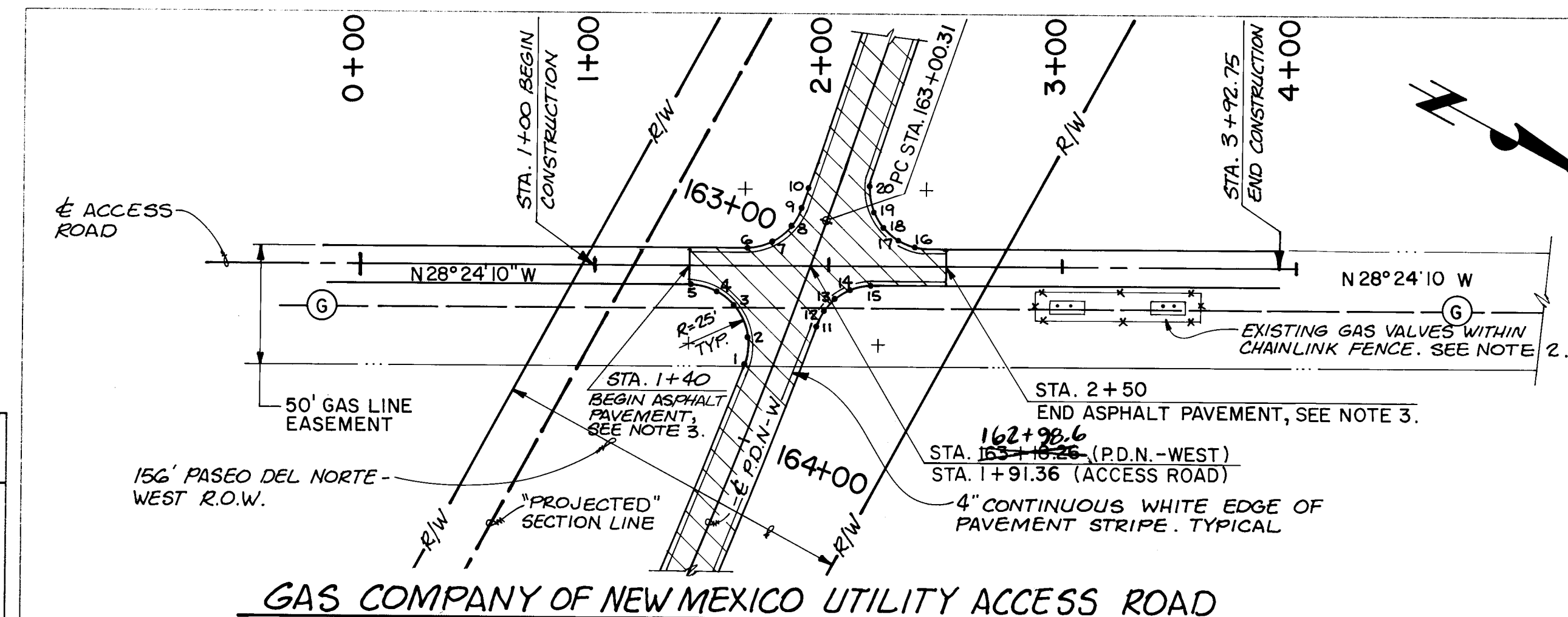
REVISIONS		DATE	
NO.	DATE	NO.	DATE

PLAN

DATE	BY
SURVEYED	NOTED
ALIGNED	NOTED
BY	BY
DATE	DATE

PROFILE

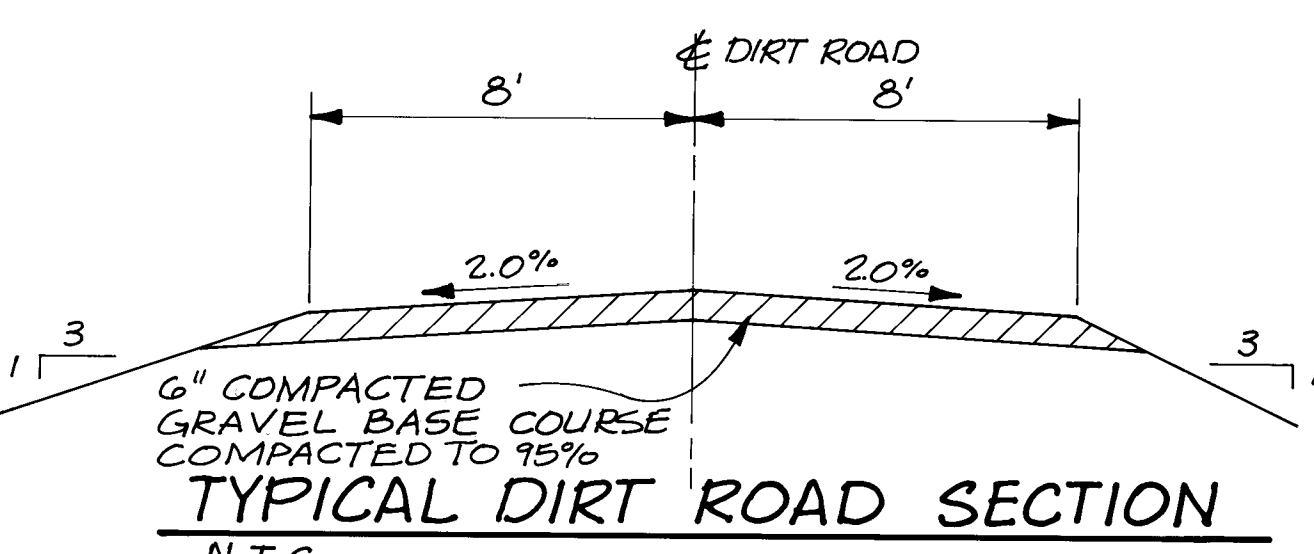
DATE	BY
SURVEYED	NOTED
ALIGNED	NOTED
BY	BY
DATE	DATE



RADIUS RETURN 1/4 POINT ELEV'S.

SOUTHEAST		SOUTHWEST	
LOC	ELEV	LOC	ELEV
1	492.09	6	496.19
2	492.80	7	496.03
3	493.52	8	495.87
4	494.23	9	495.71
5	494.94	10	495.55

NORTHEAST		NORTHWEST	
LOC	ELEV	LOC	ELEV
11	495.07	16	495.28
12	495.68	17	495.95
13	496.28	18	496.61
14	496.89	19	497.28
15	497.49	20	497.94



* RADIUS RETURN POINTS ON PASEO DEL NORTE - WEST:

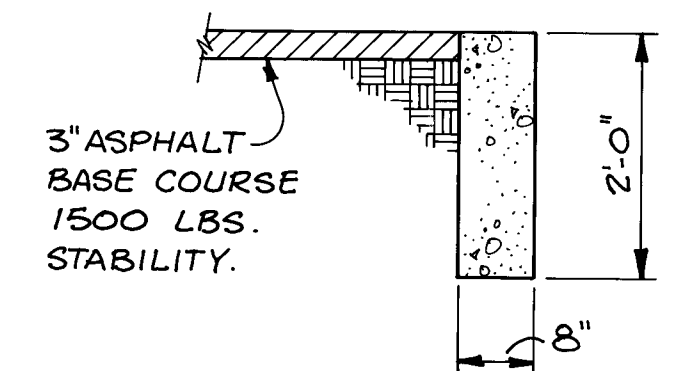
PT.	STATION	OFFSET
10	163 + 34.92	12' RT.
20	162 + 94.59	12' LT.
1	164 + 10.08	12' RT.
11	163 + 69.75	12' LT.

+ RADIUS RETURN POINTS ON GAS COMPANY ACCESS ROAD

PT.	STATION	OFFSET
5	1 + 49.76	8' RT.
6	1 + 85.73	8' LT.
15	2 + 34.04	8' RT.
16	2 + 70.01	8' LT.

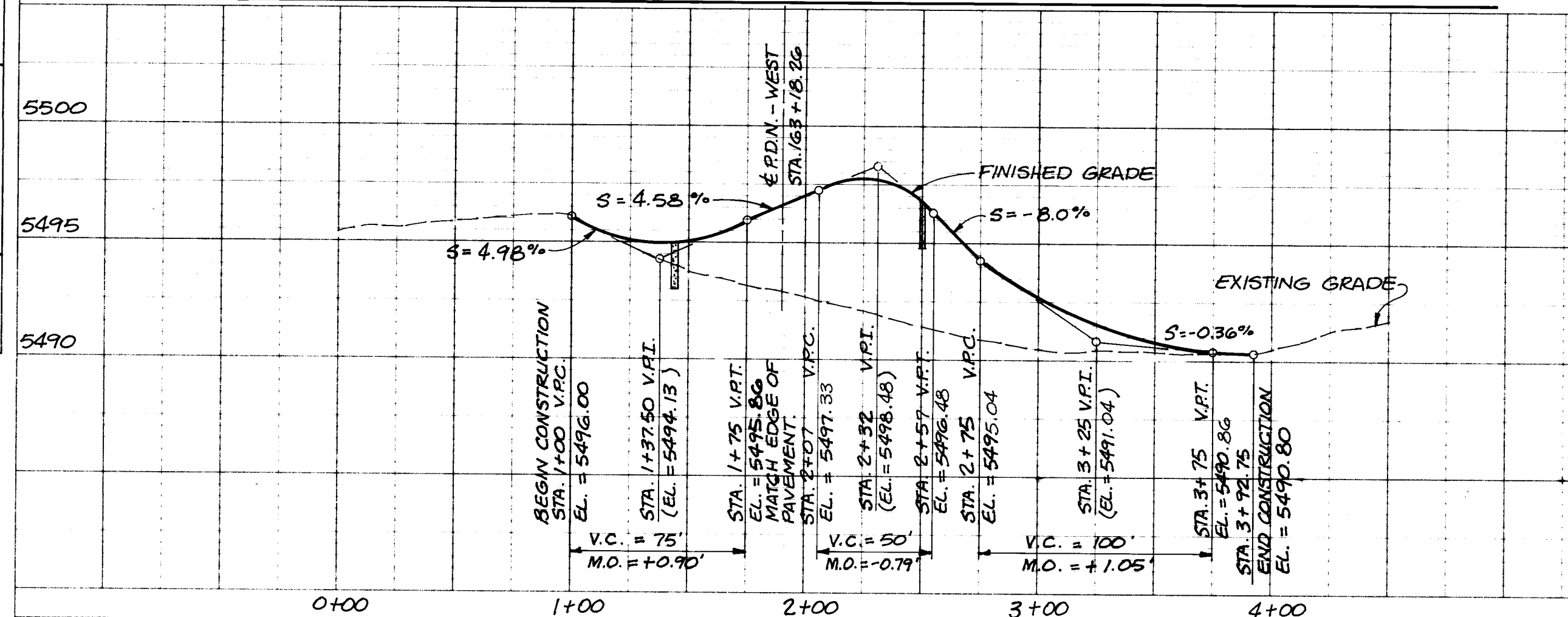
CONSTRUCTION NOTES:

- 1) USE TYPICAL INTERIM ROADWAY PAVEMENT SECTION ON SHEET 3 FOR ACCESS ROAD TURNOUTS.
- 2) CONTRACTOR SHALL WARP FILL SLOPES AT OR NEAR GAS VALVE FENCING TO AVOID ENCROACHMENT.
- 3) CONTRACTOR SHALL CONSTRUCT CONCRETE CUT-OFF WALL 16 FEET WIDE PER C.O.A. STD. DWG. 2415.



STRIPING NOTES:

- 1) CONTRACTOR SHALL CONTINUE 4" WHITE EDGE OF PAVEMENT STRIPES AROUND TURNOUT RADIUS RETURNS. TYPICAL AS SHOWN.



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

RADIUS RETURN 1/4 POINT ELEV'S.

SOUTHEAST		SOUTHWEST	
LOC	ELEV	LOC	ELEV
1	422.75	6	424.19
2	422.98	7	424.04
3	423.22	8	423.88
4	423.44	9	423.73
5	423.68	10	423.58

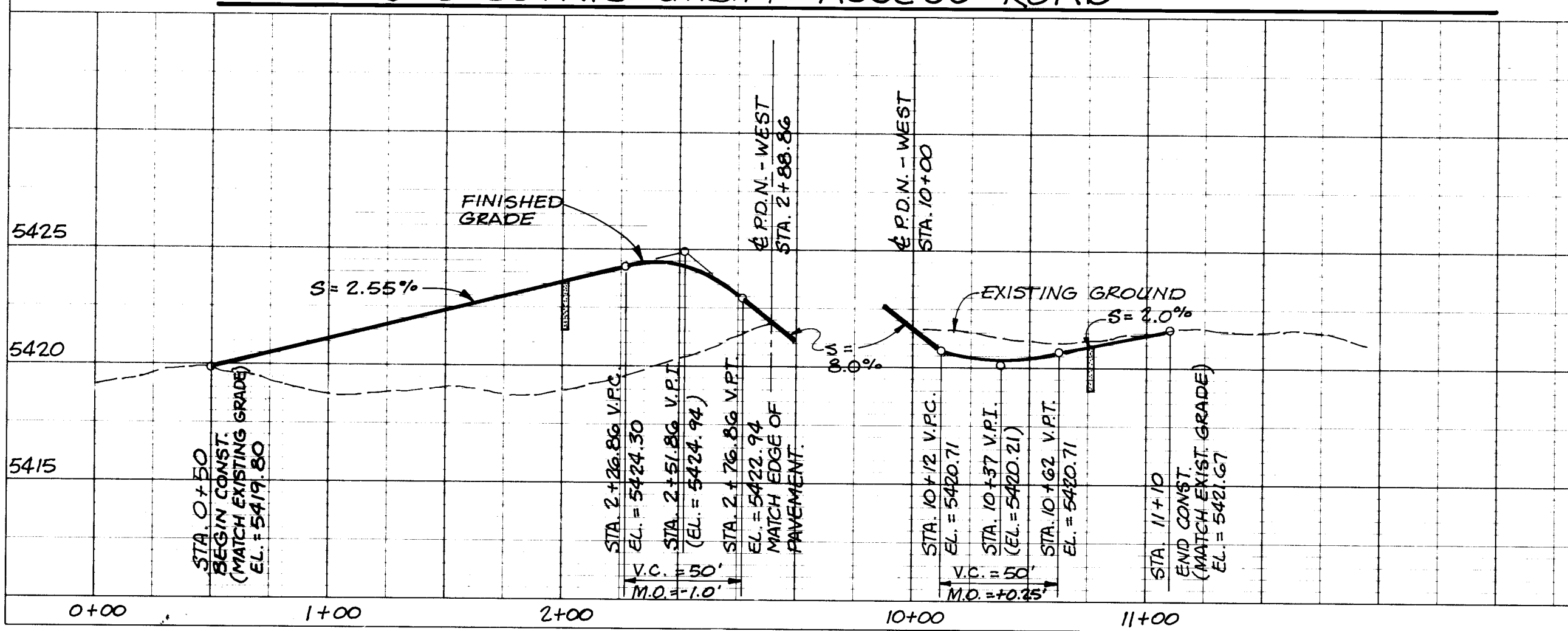
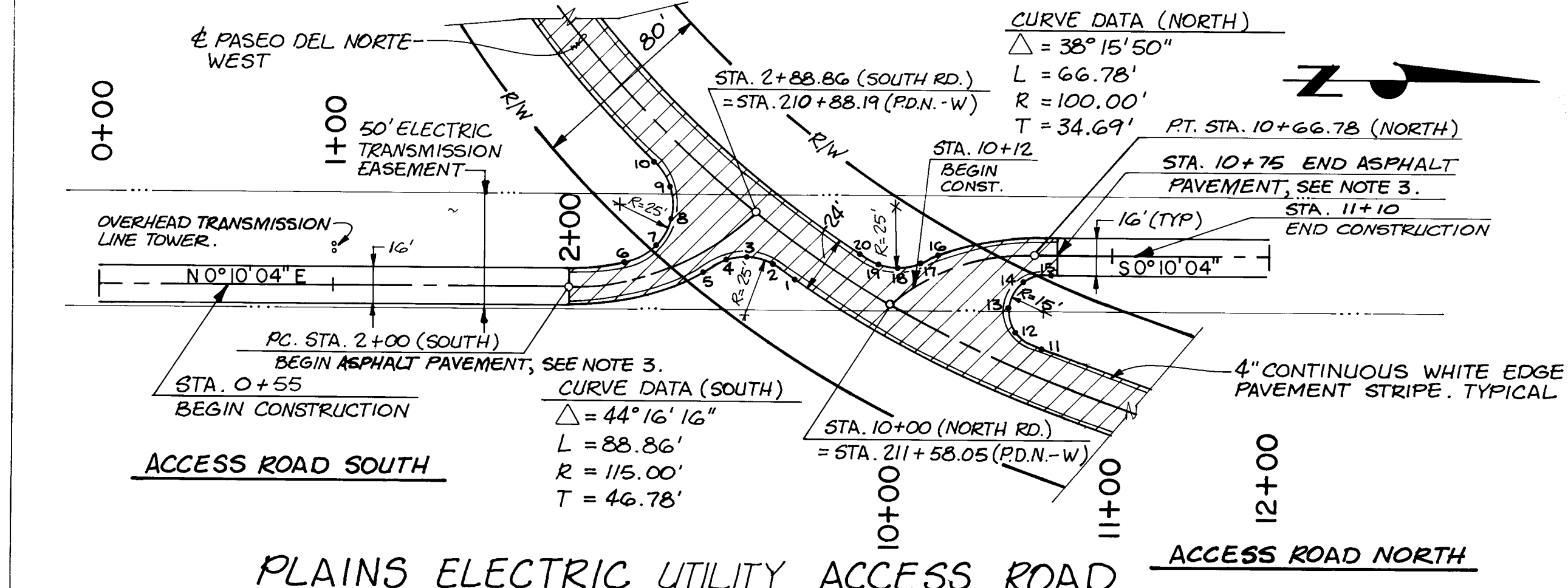
NORTHEAST		NORTHWEST	
LOC	ELEV	LOC	ELEV
11	421.51	16	420.40
12	421.30	17	420.48
13	421.10	18	420.56
14	420.89	19	420.64
15	420.68	20	420.72

* RADIUS RETURN POINTS ON PASEO DEL NORTE - WEST:

PT.	STATION	OFFSET
10	210 + 42.86	12' RT.
1	211 + 11.21	12' RT.
20	211 + 39.25	12' LT.
11	212 + 17.48	12' LT.

+ RADIUS RETURN POINTS ON PLAINS ELEC. ACCESS ROAD

PT.	STATION	OFFSET
6	2 + 29.08	8' LT.
5	2 + 63.09	8' RT.
16	10 + 21.39	8' LT.
15	10 + 68.54	8' RT.



ENGINEER'S SEAL

STANDARD A.C.S. BRASS TABLET "1-B10" LOCATED ON THE PLAINS ELEC. CO-OP POWERLINE R.O.W. NEAR TOWER Pylon #2271. T.I.I. N. R.Z.E. SECTION 10. ELEVATION = 5419.52'

AS BUILT INFORMATION

CCM, AZ

ALS

ALS

ALS

ALS

DATE 9/89

DATE 9/89

DATE 6/91

REVISIONS

DESIGN

DESIGNED BY G.A.S.

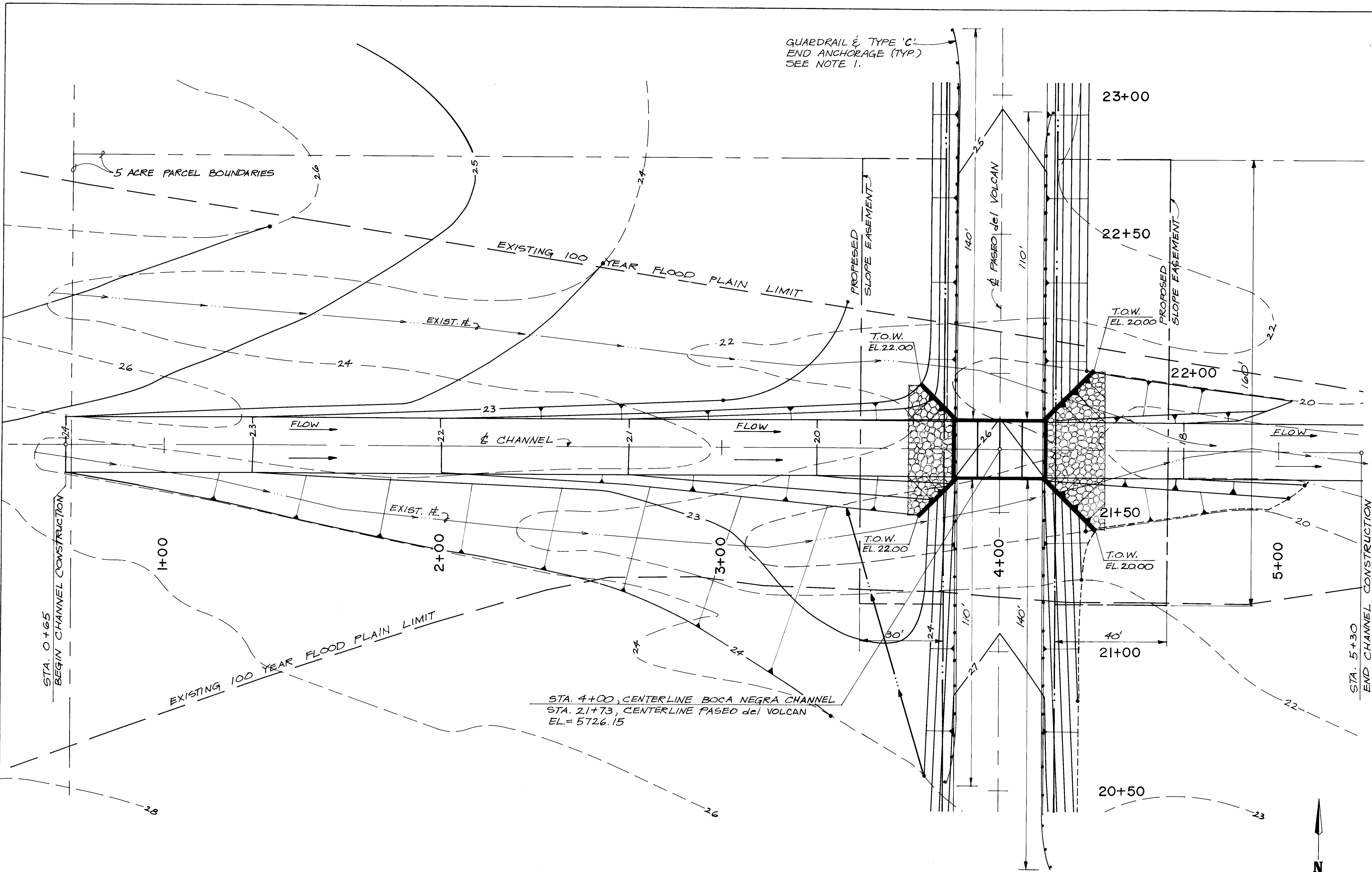
DRAWN BY R.R.H.

CHECKED BY R.L.G.

DATE 9/89

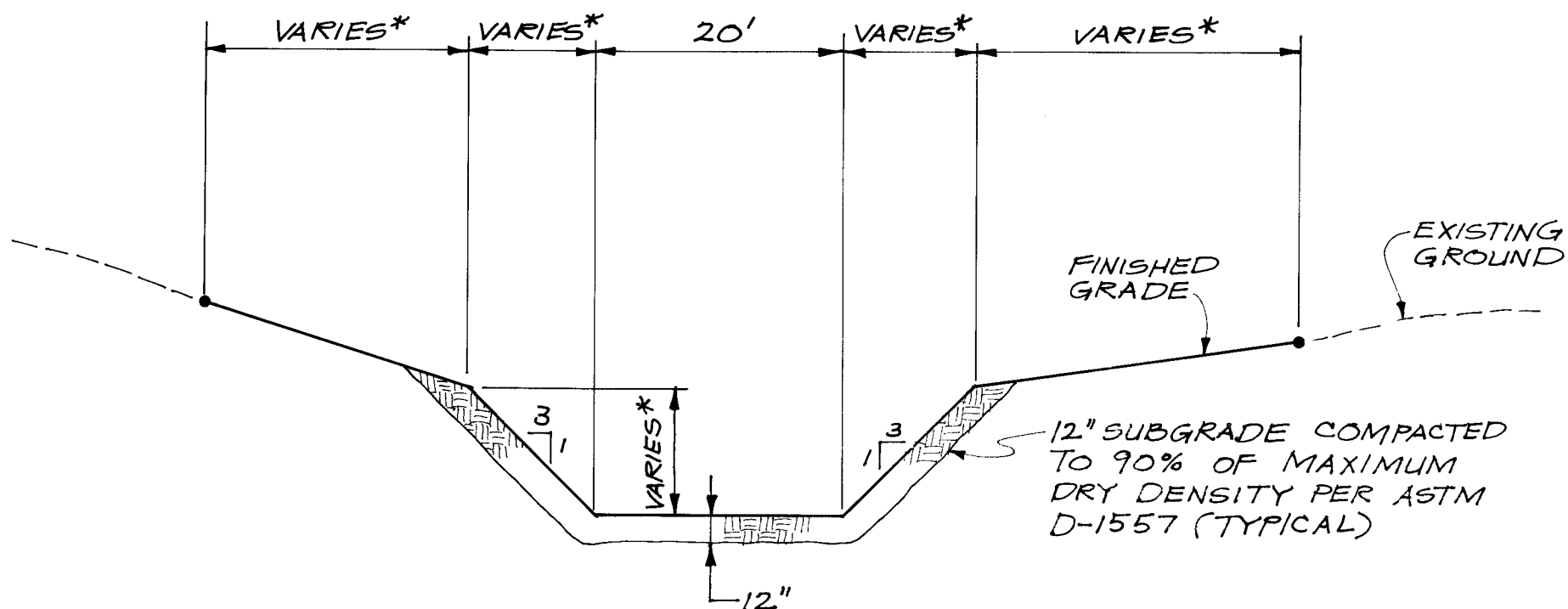
DATE 9/89

DATE 6/91



BOCA NEGRA CHANNEL GRADING PLAN

SCALE: 1"=20'



TYPICAL EARTH CHANNEL SECTION

*SEE GRADING PLAN ABOVE.

N.T.S.

- LEGEND**
- 20 --- EXISTING CONTOUR
 - 25 --- FINISHED CONTOUR
 - PROPOSED SLOPE EASEMENT
 - PROPOSED SLOPE EASEMENT
 - EXISTING 5 ACRE PARCEL (APPROX.)
 - EXISTING 100 YR. FLOOD PLAIN LIMIT
 - EXISTING FLOWLINE
 - GUARDRAIL
 - SLOPE LIMITS

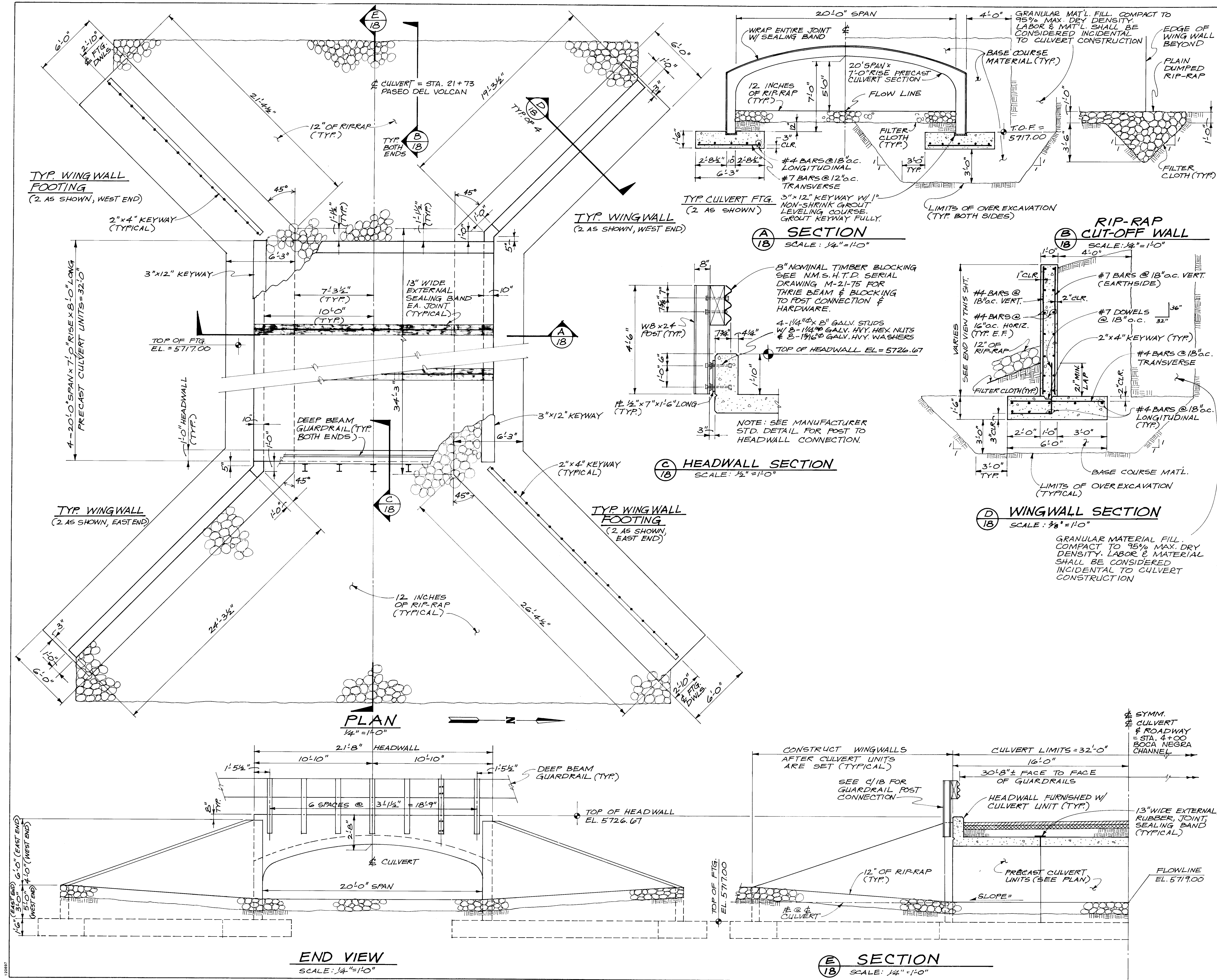
CONSTRUCTION NOTES

- SEE SPECIFICATIONS FOR SERIAL DRAWINGS OF CONSTRUCTION & LAYOUT OF GUARDRAIL AND FOR TRANSITION TO TYPE "C" END ANCHORAGE.
- CONTRACTOR SHALL PLACE & OF GUARDRAIL POSTS 17' LEFT OR RIGHT OF & ROADWAY, TYPICAL EXCEPT AT FLARES TO TYPE "C" END ANCHORAGES (VARIES) AND AT PRECAST CULVERT (SEE DETAIL C/18).

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACT NO.	CCM	1111	STANDARD A.C.S. BRASS TABLET "1-C9" LOCATED NEAR SECTIONS 16 & 17 T.11 N. R.2E ALONG THE SOUTH BOUNDARY OF THE TOWN OF ALAMEDA GRANT. ELEVATION = 5485.18'	DATE	92	NO.	BY	DATE			
INSPECTOR'S NAME	ALS	DATE	FIELD CHANGE BY	DATE	92	NO.	BY	DATE			
VERIFICATION BY	ALS	DATE	CORRECTED BY	DATE	92	NO.	BY	DATE	REVISIONS		
MICRO-FILM INFORMATION			RECORDED BY	DATE		NO.	BY	DATE			
DESIGNED BY G.A.S.			DATE 9/89			DRAWN BY B.E.C.			DATE 9/89		
CHECKED BY R.L.G.			DATE 6/91								

26 3545117192

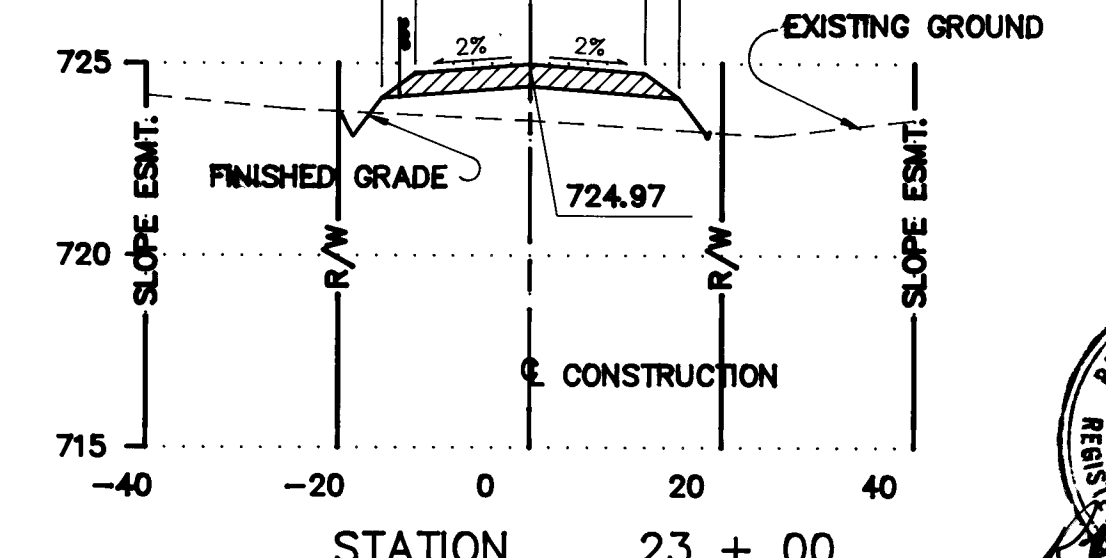
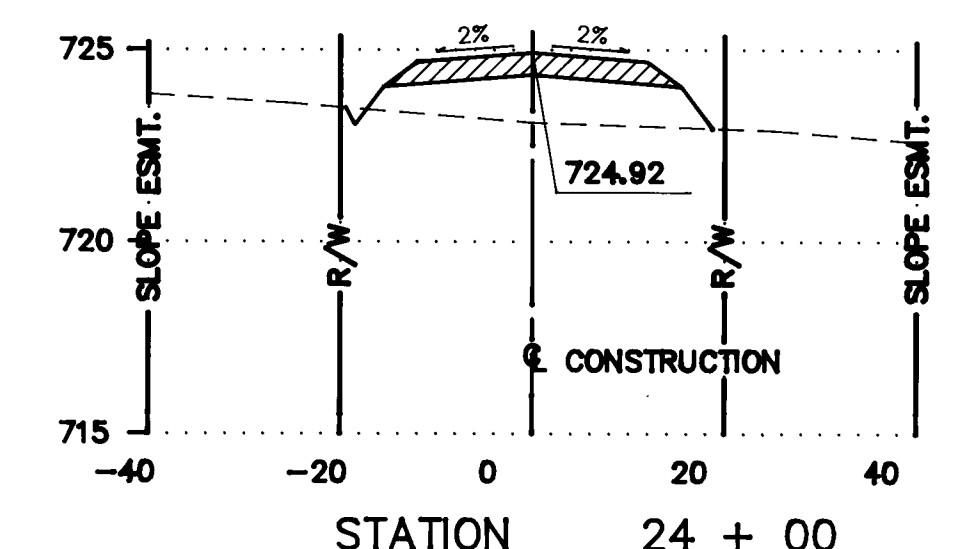
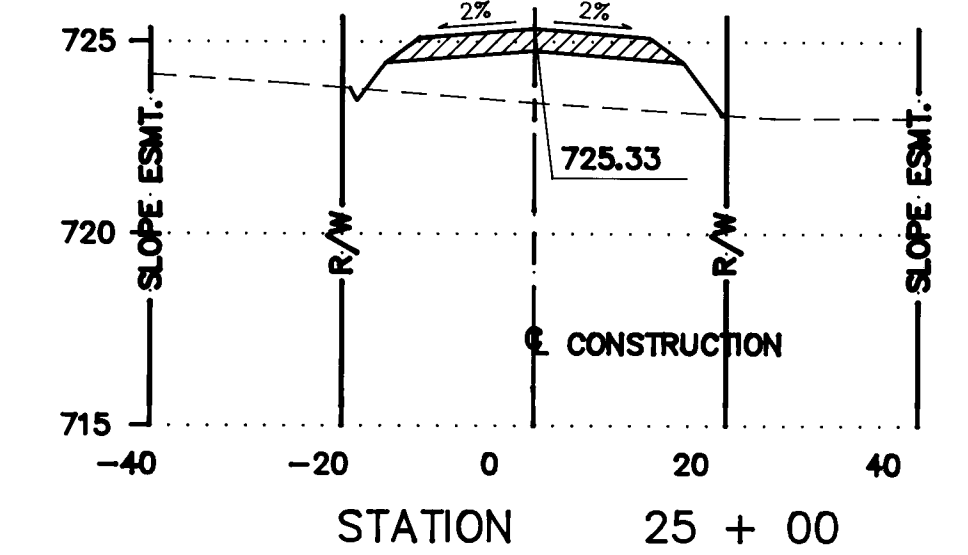
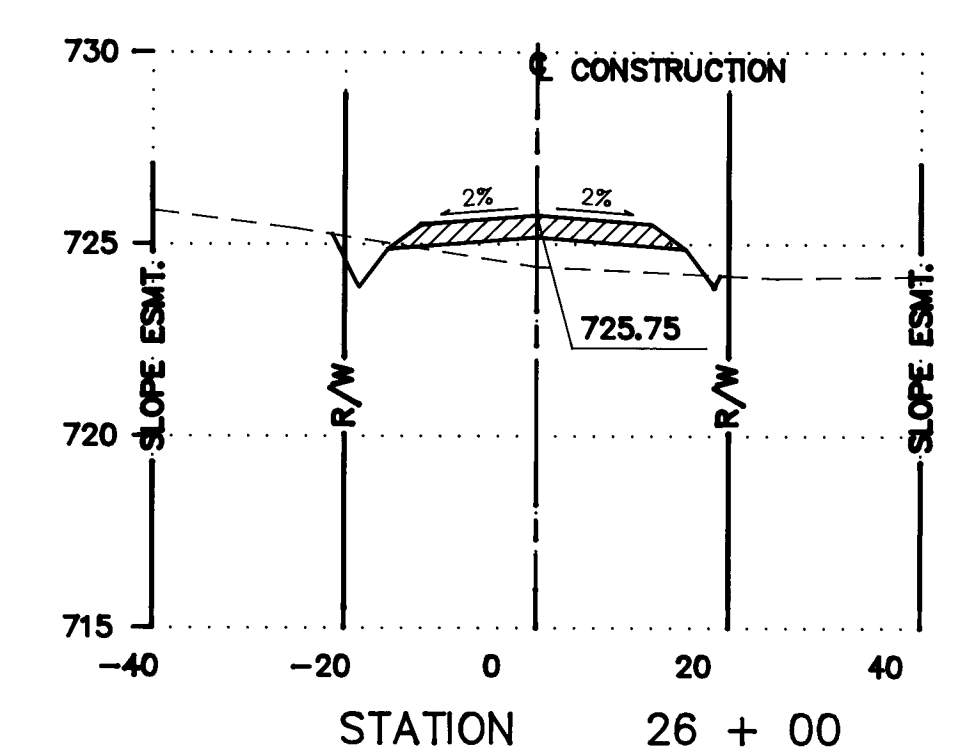
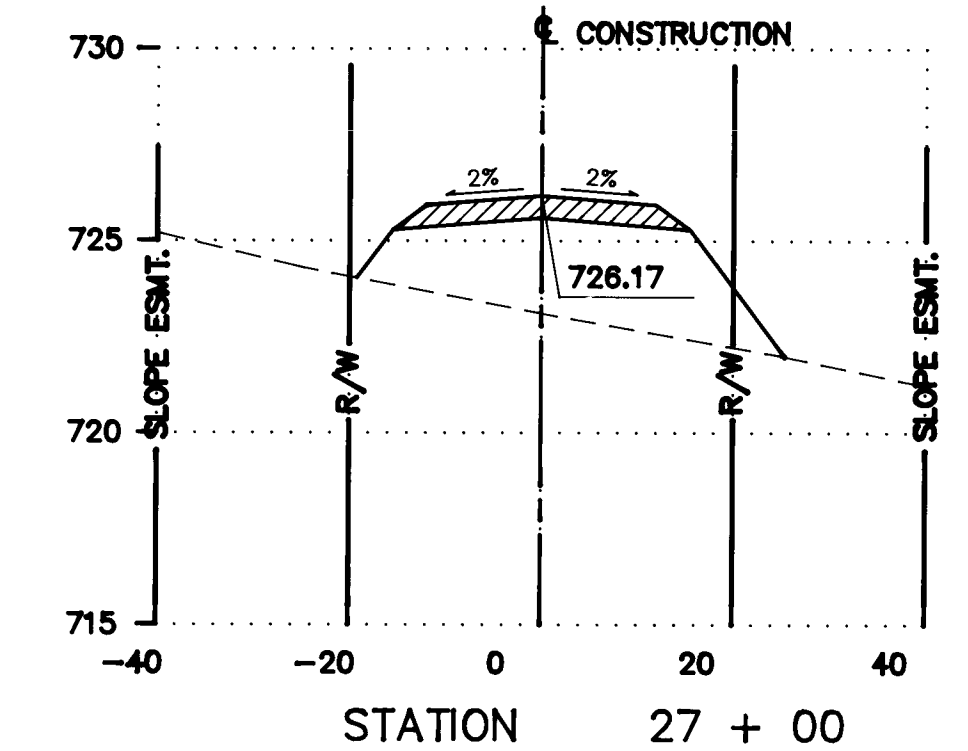
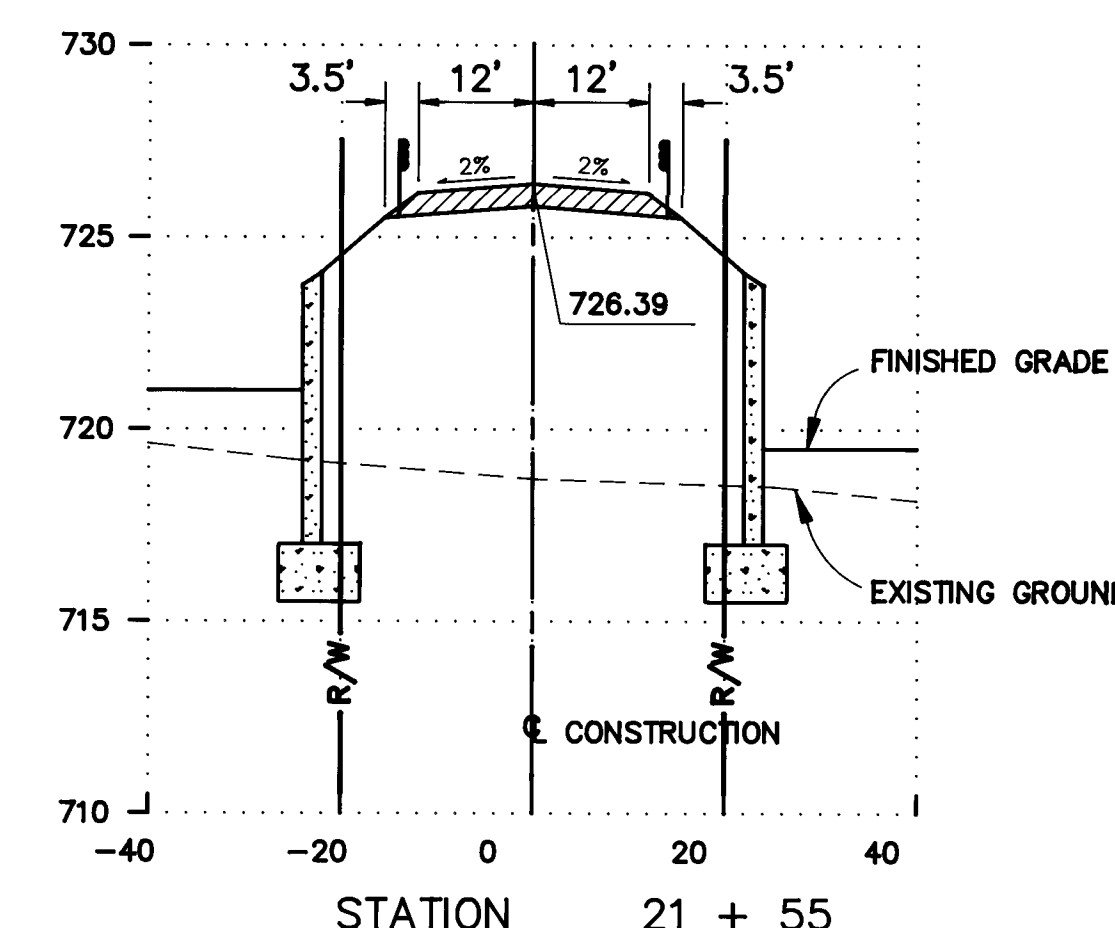
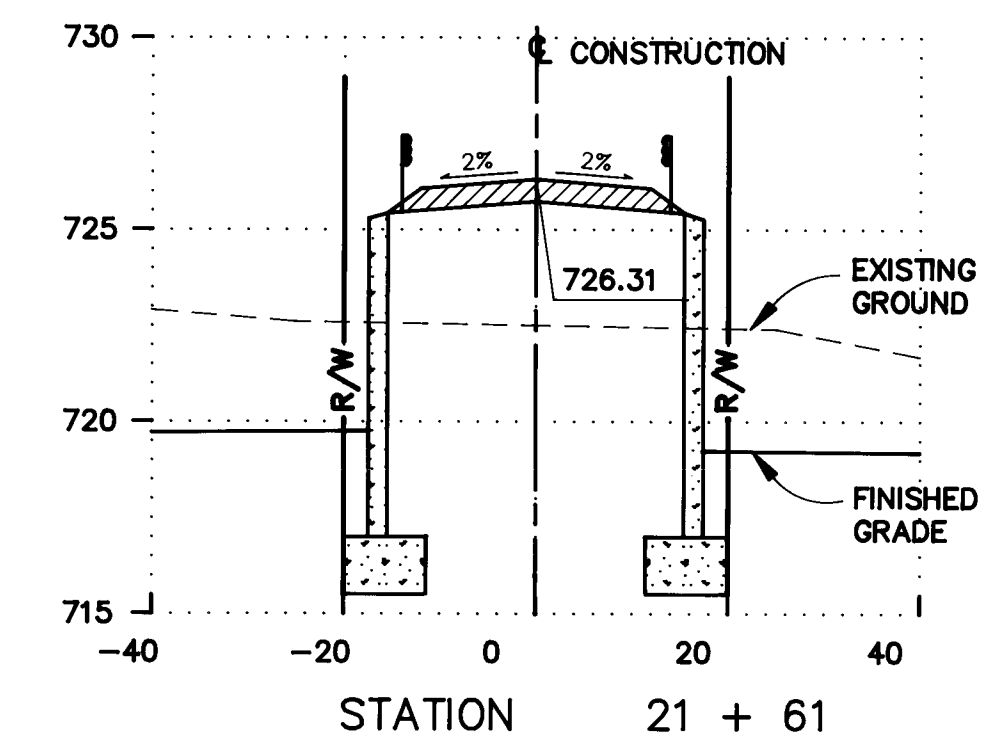
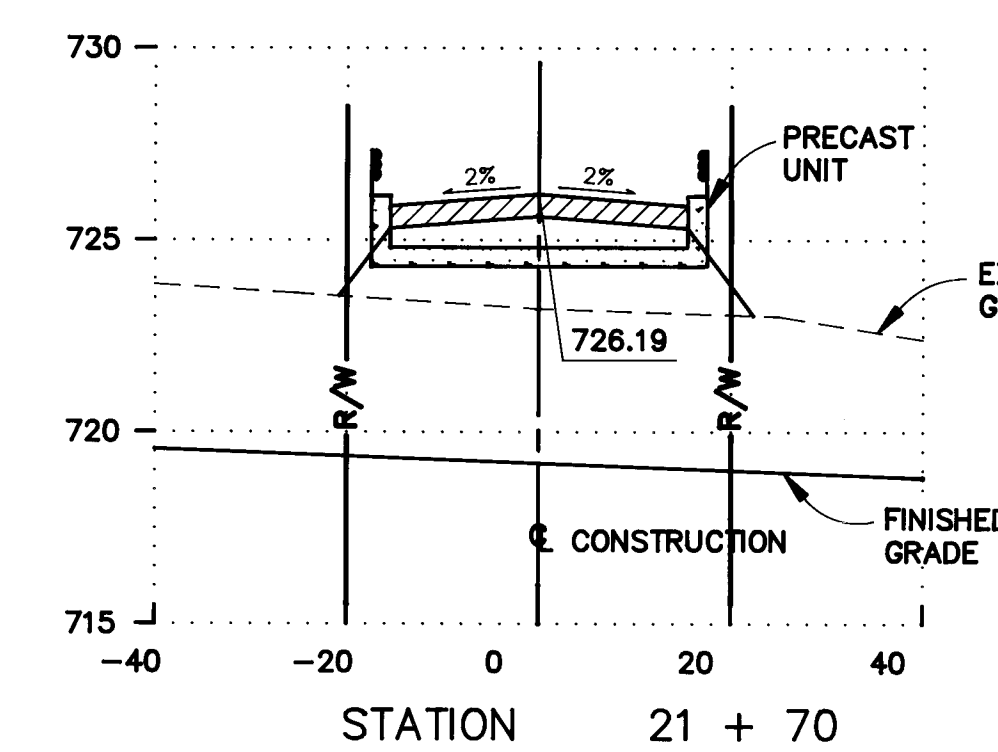
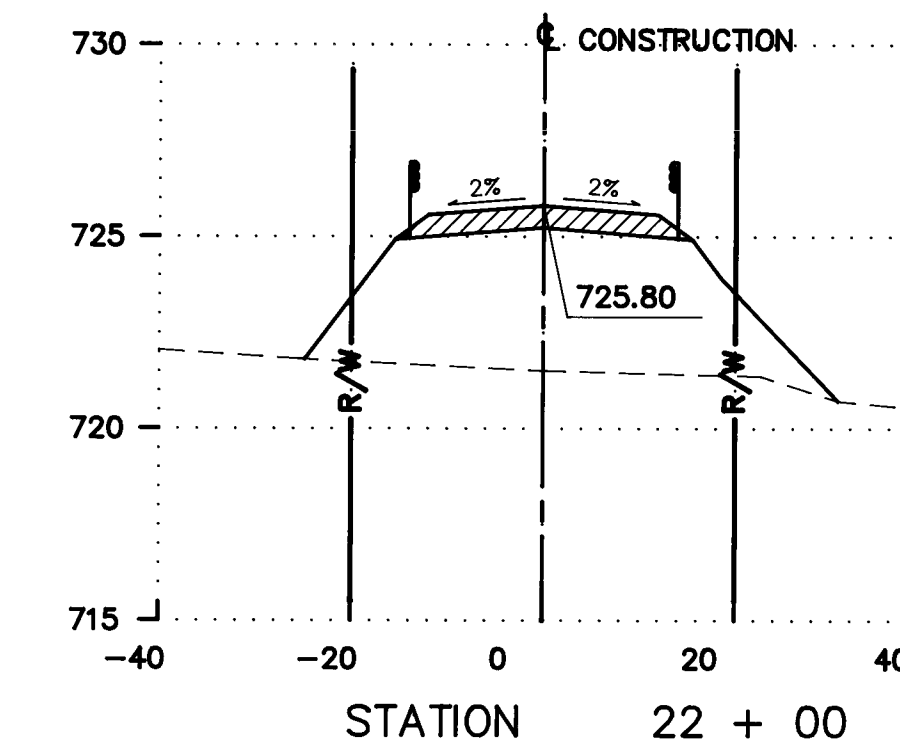
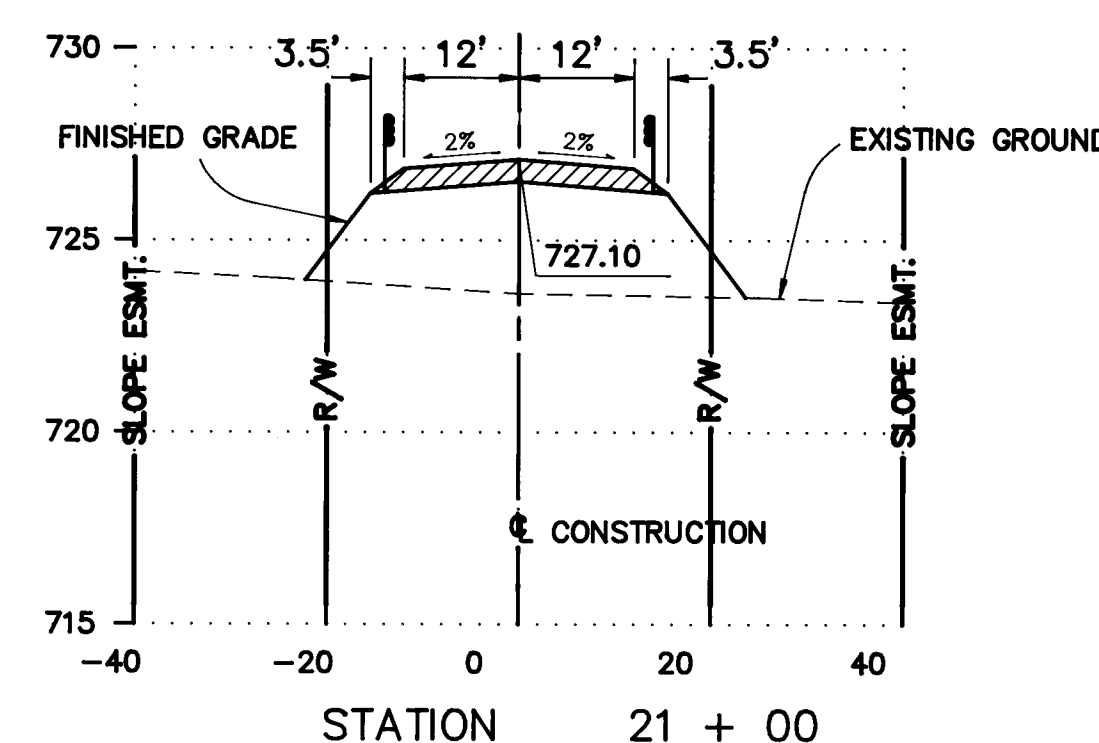
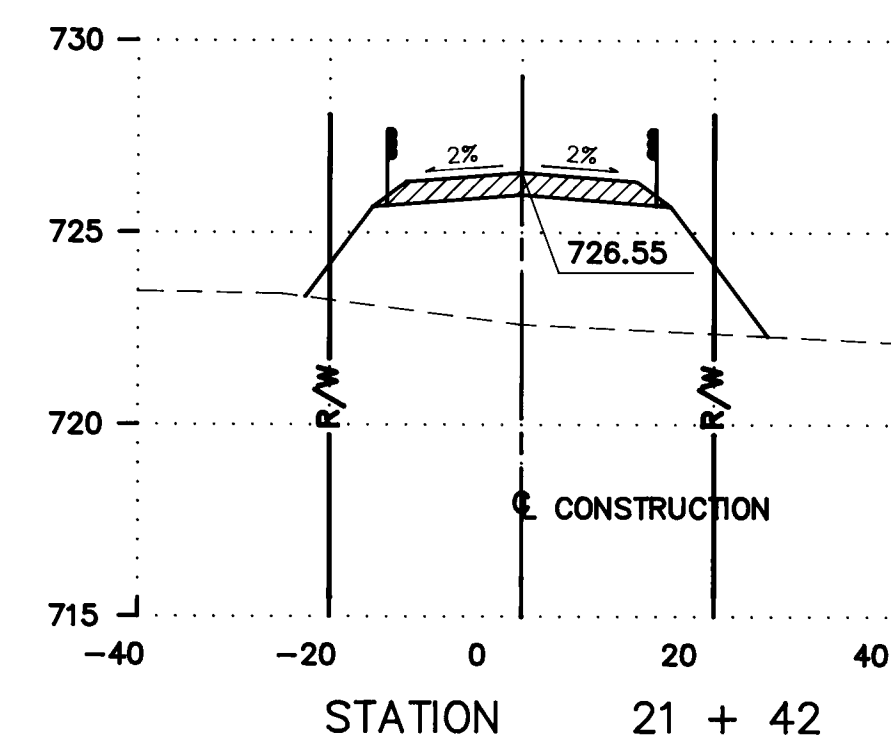
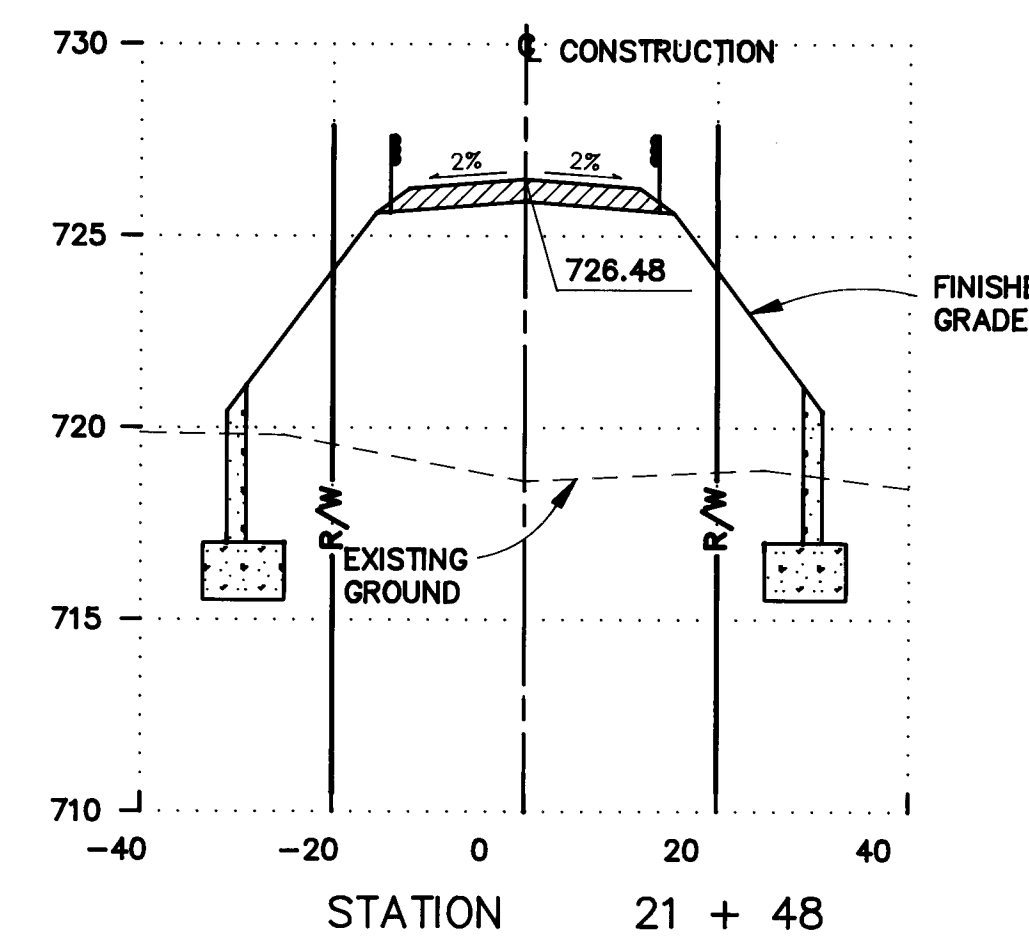
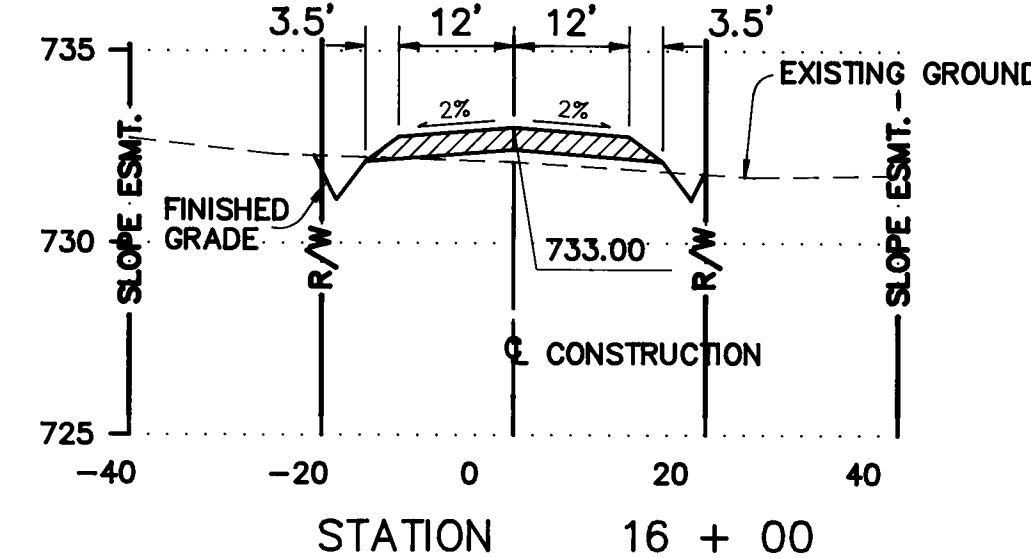
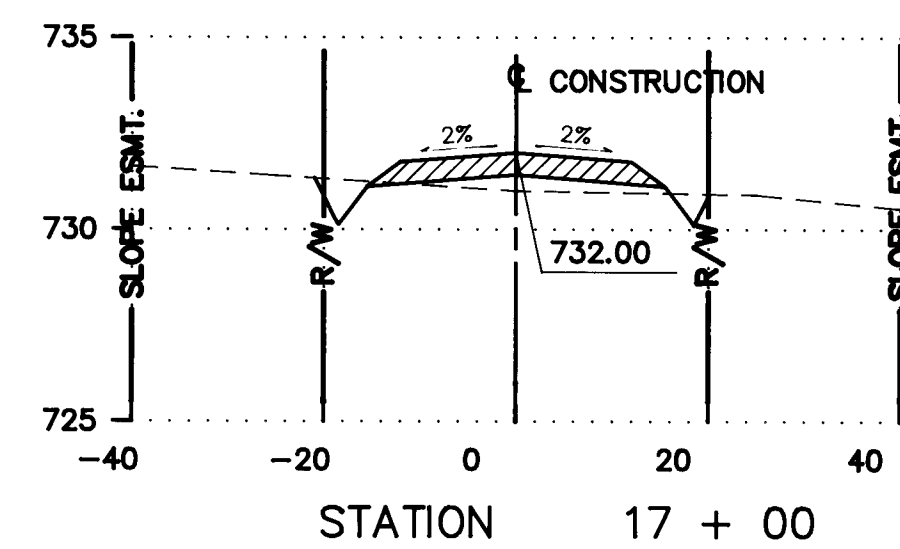
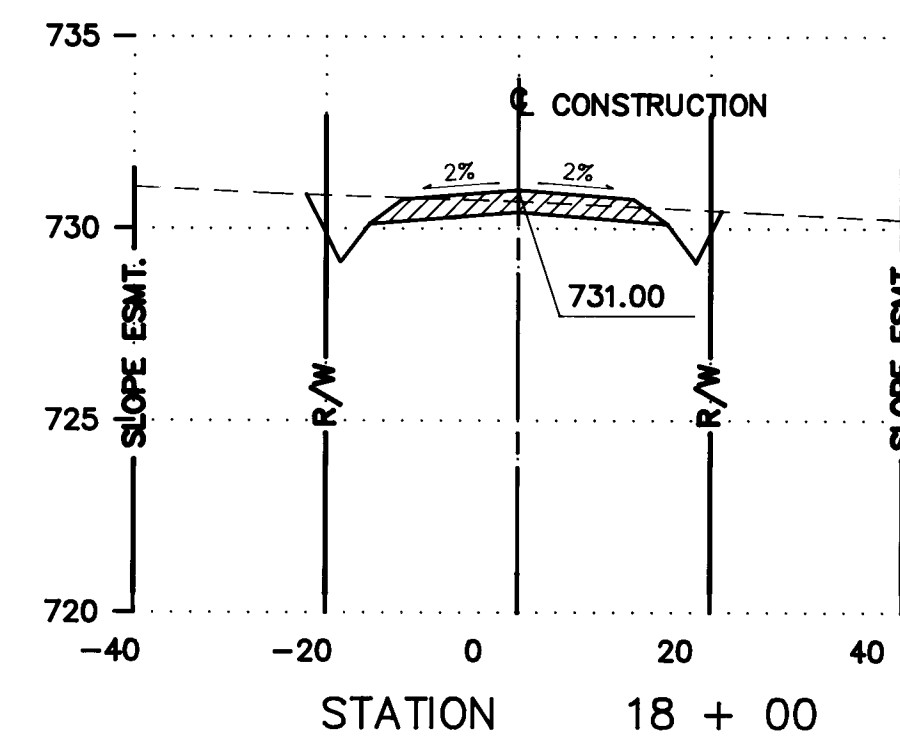
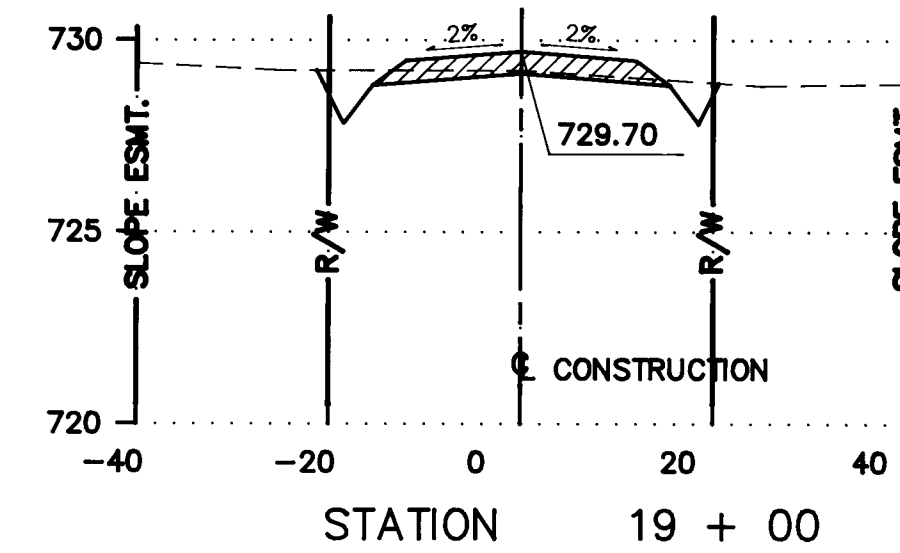
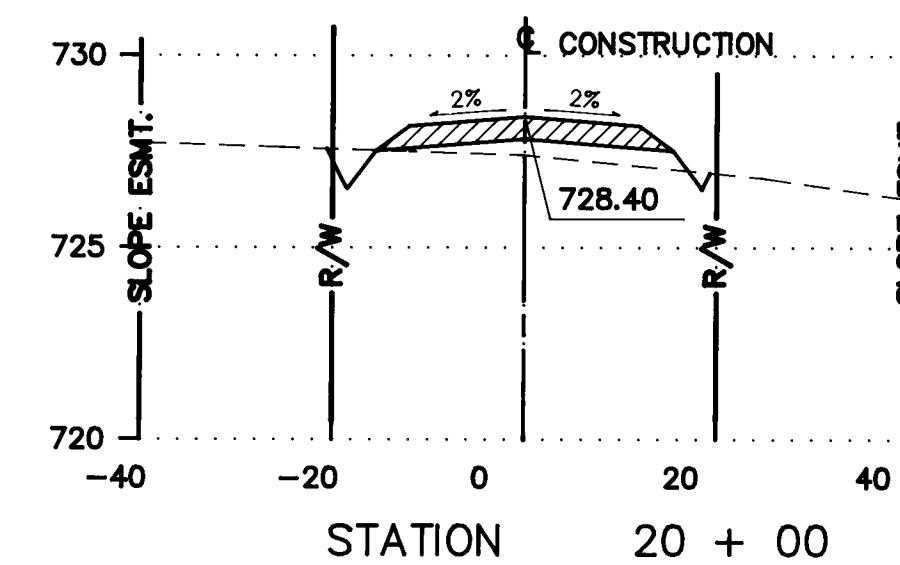
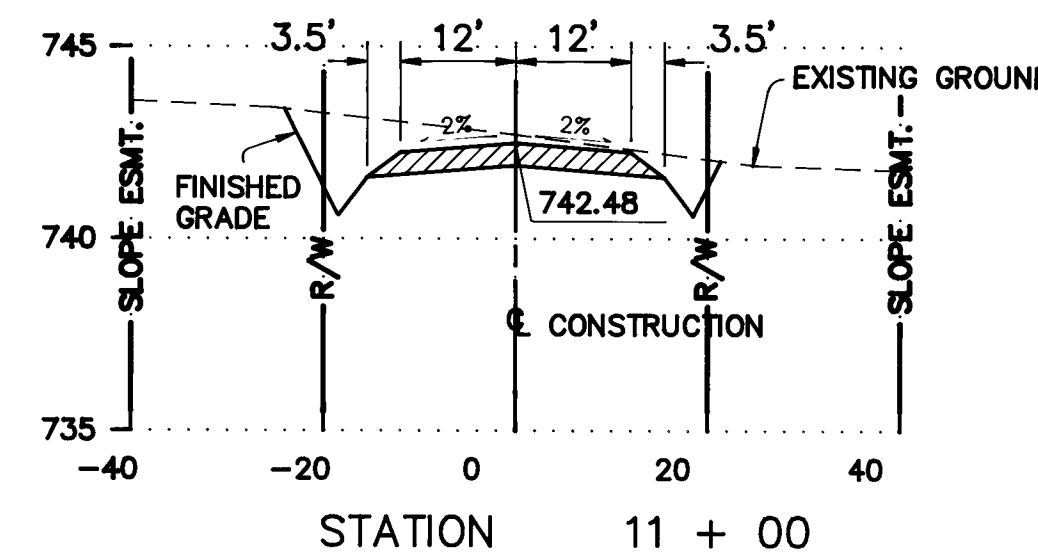
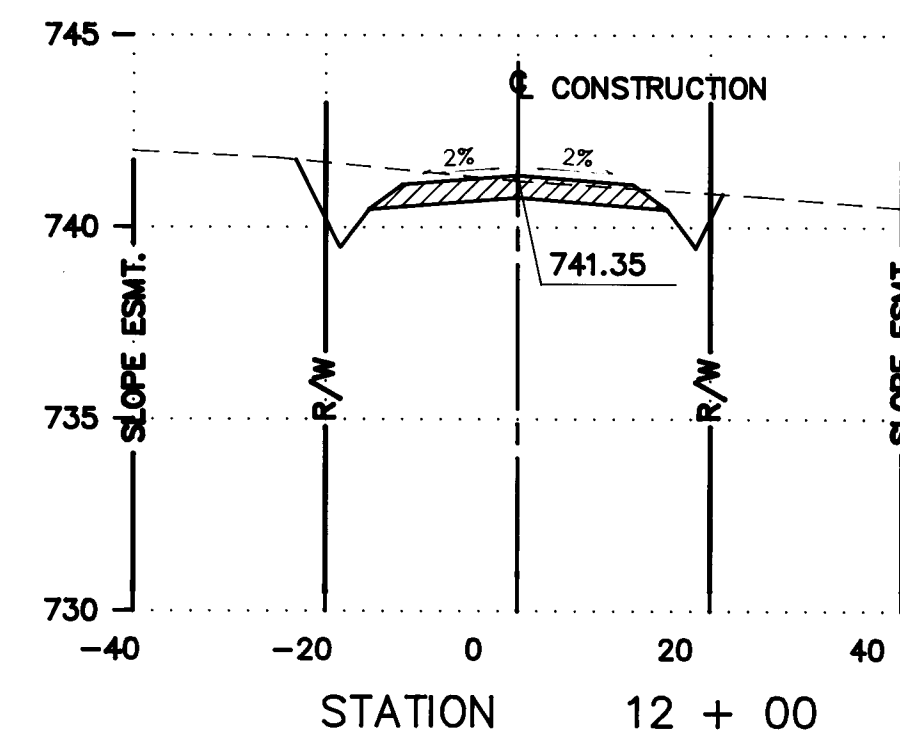
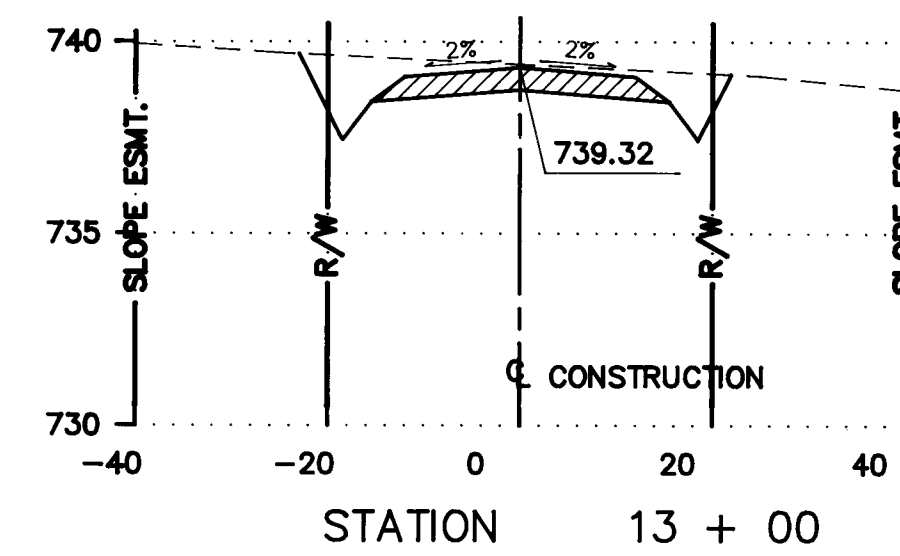
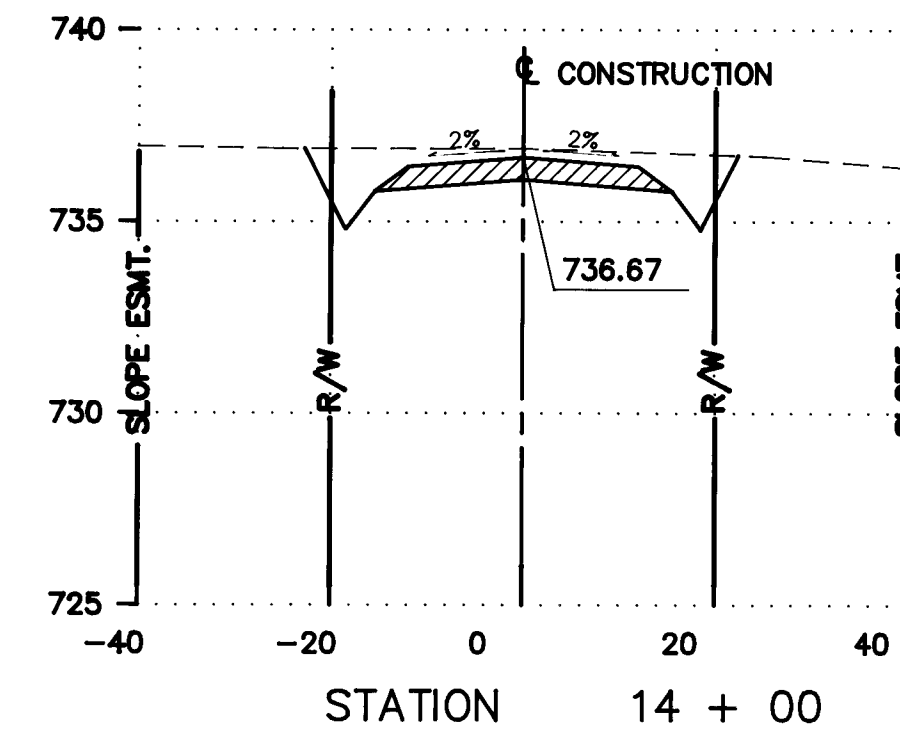
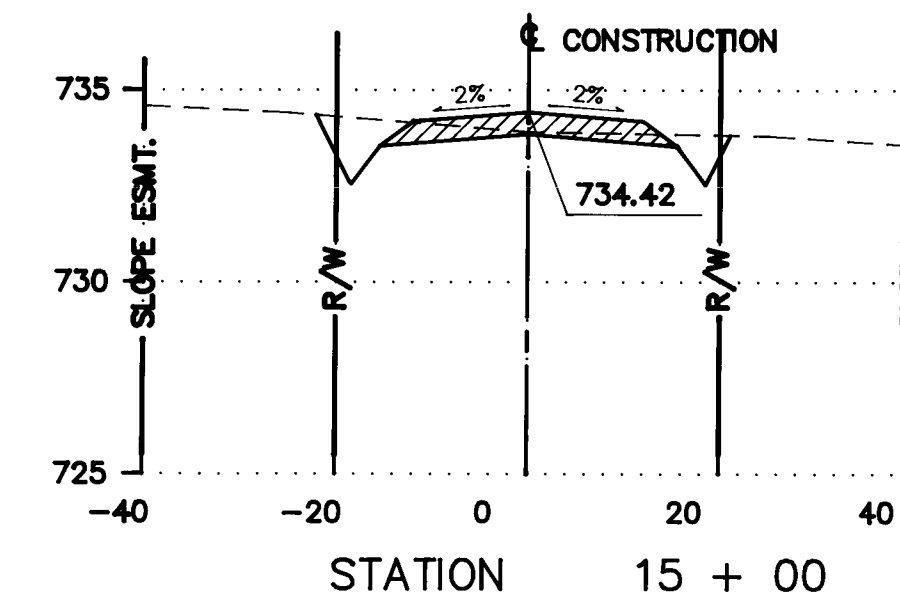
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: PASEO del NORTE, WEST/PASEO del VOLCAN BOCA NEGRA ARROYO GRADING PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		8/29/91			
Trans. Dev		8-27-91			
Utility Dev		8-28-91			
Hydrology		8-27-91			
DRAWING NO.	3545	MAP NO. C-7	SHEET 17	OF 30	



CONSTRUCTION NOTES:

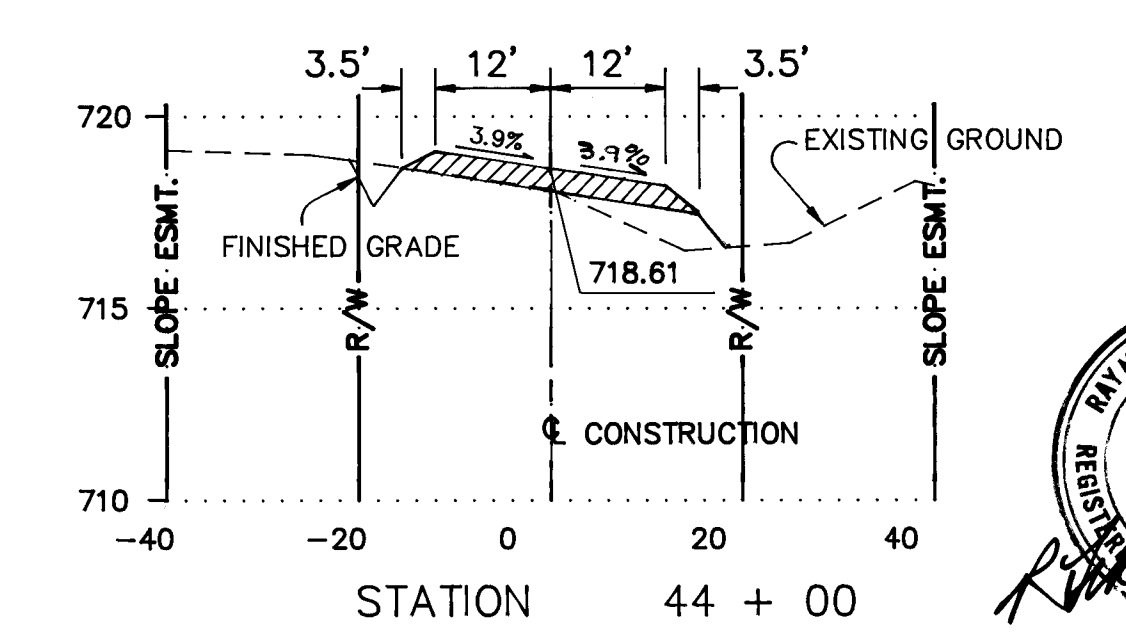
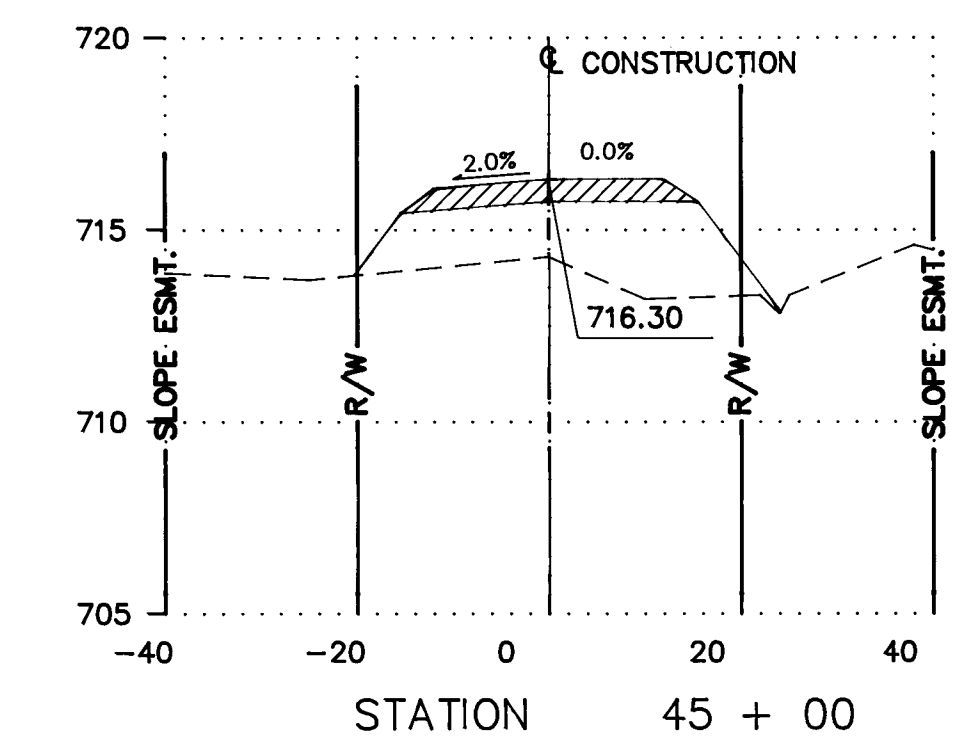
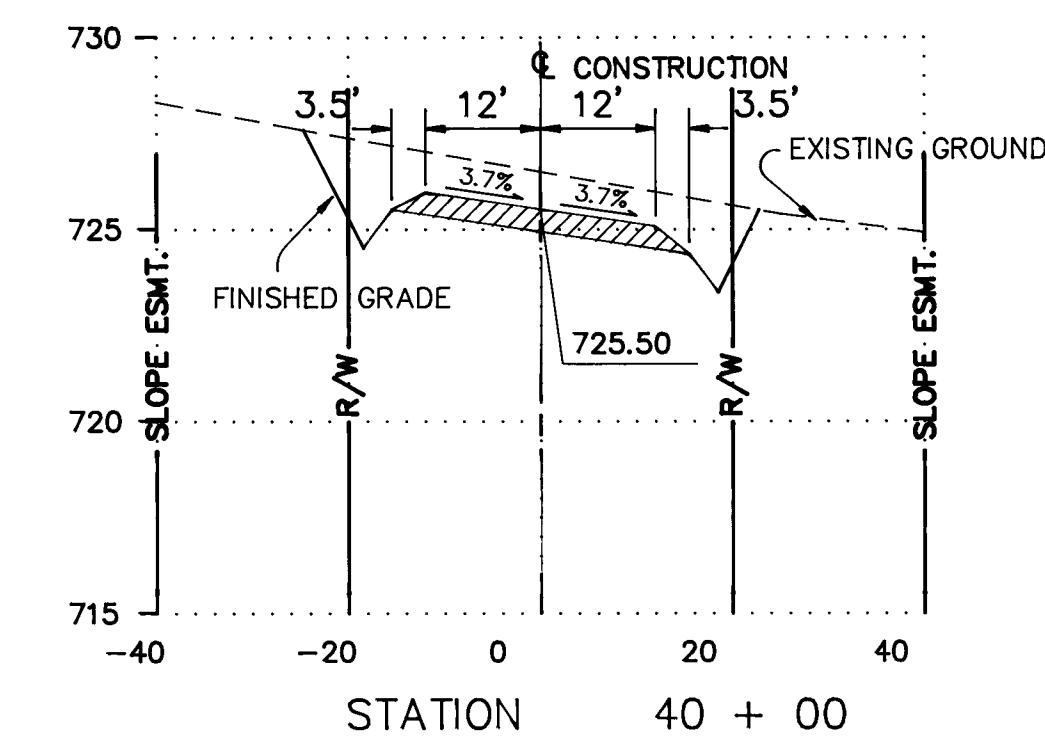
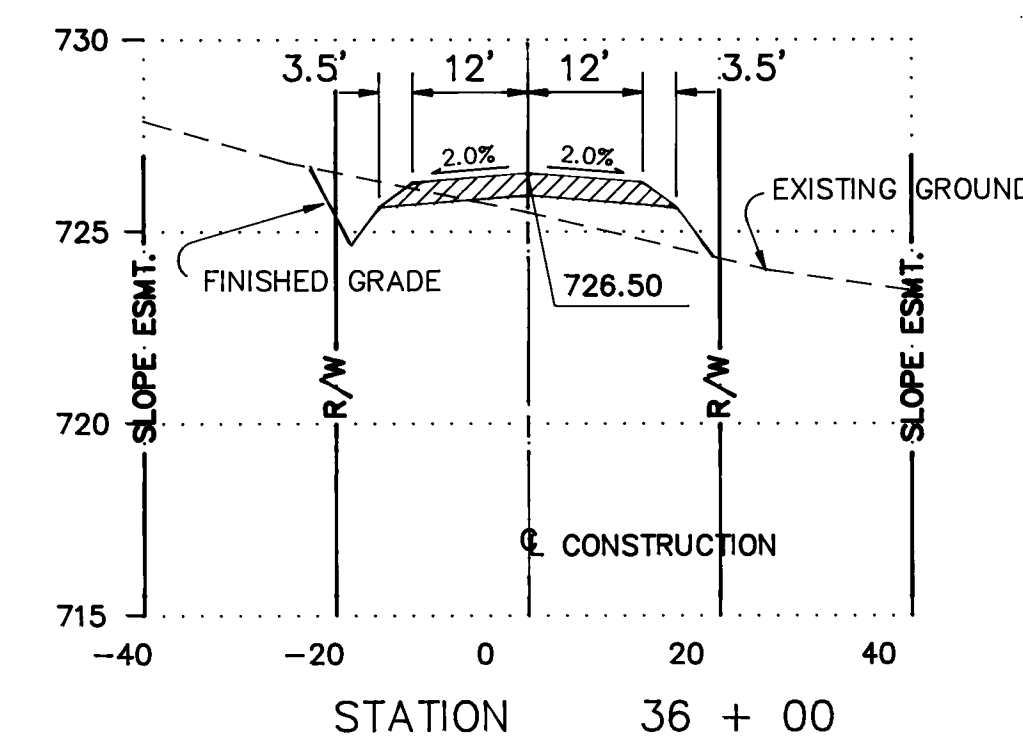
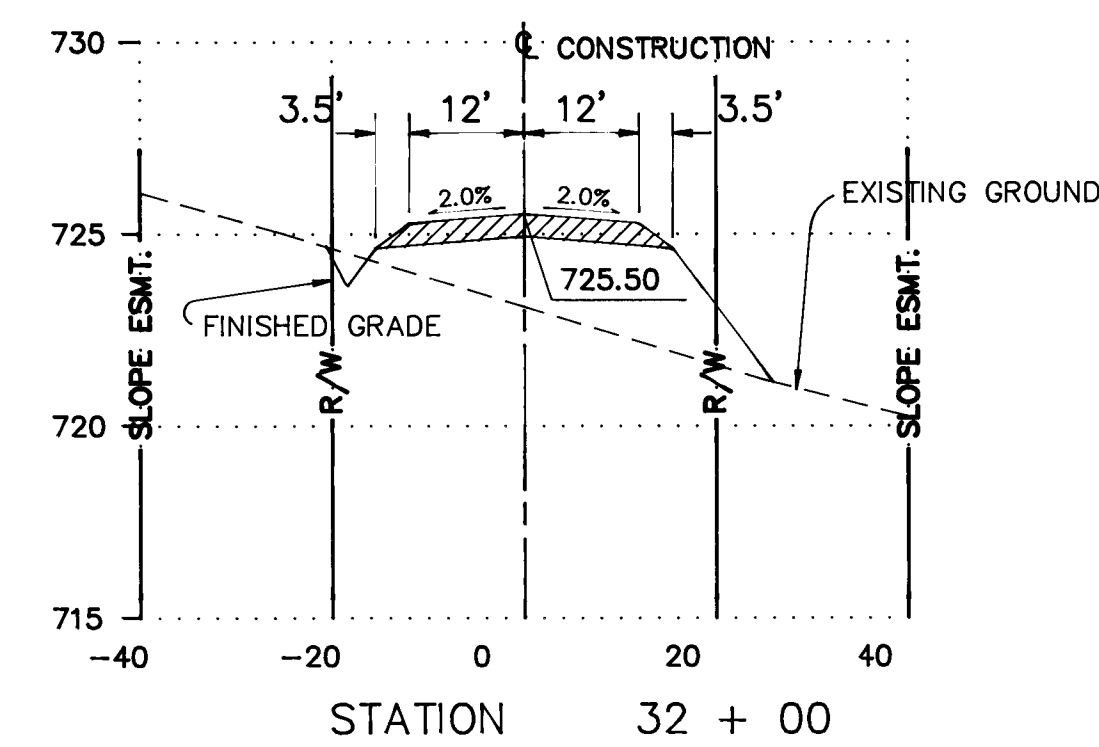
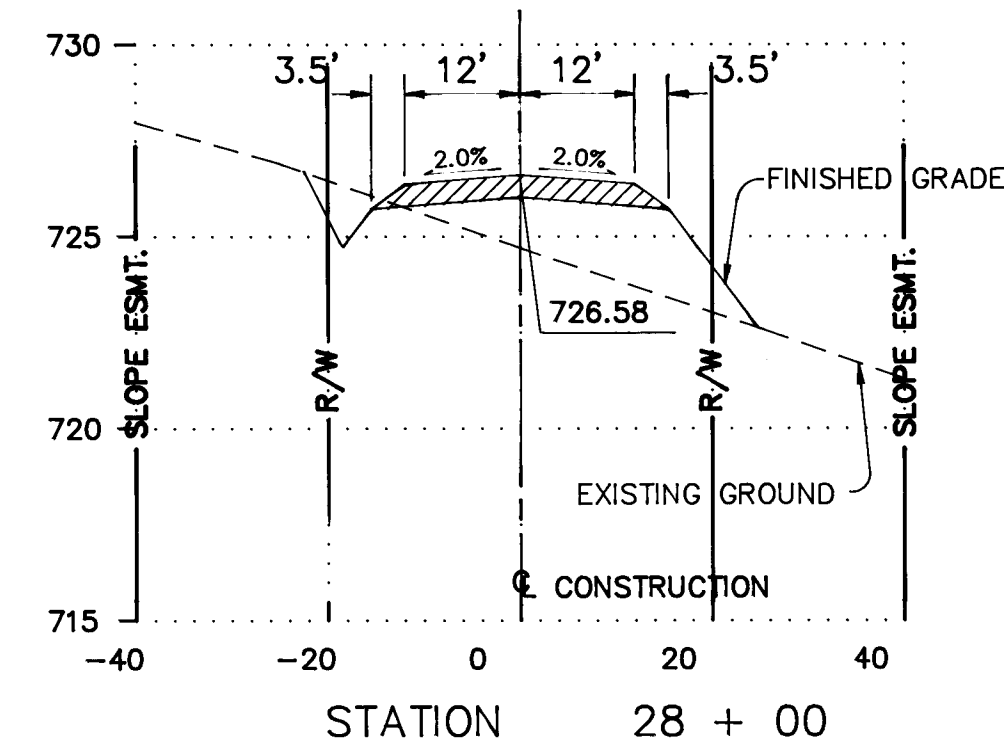
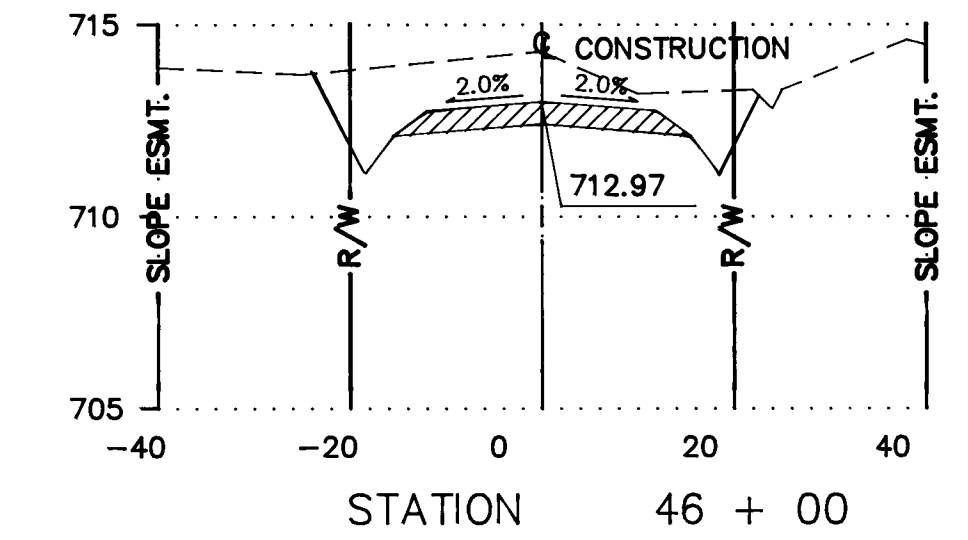
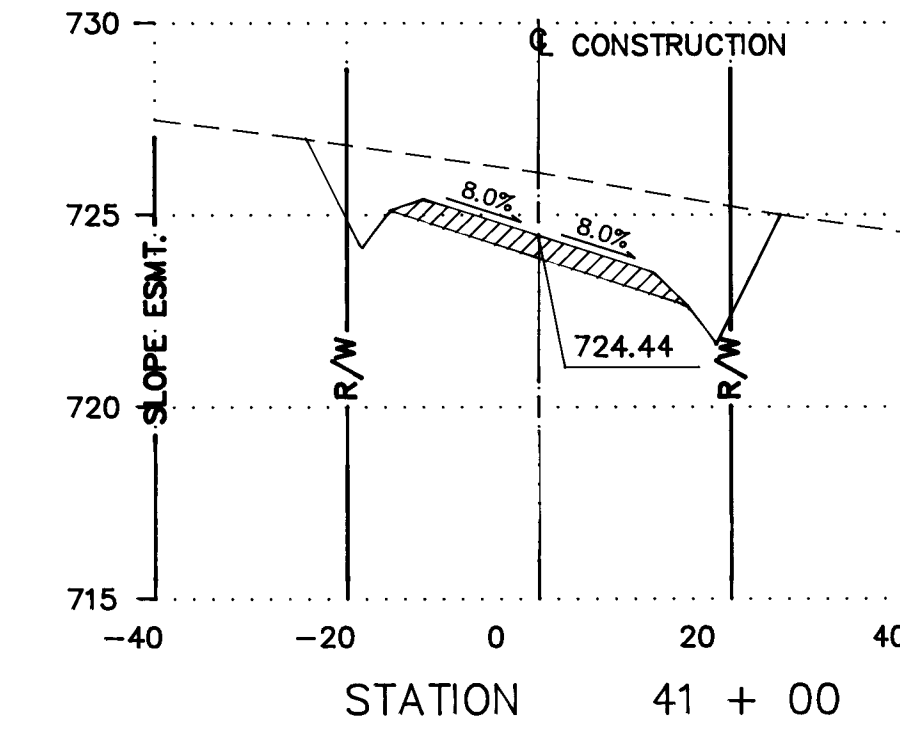
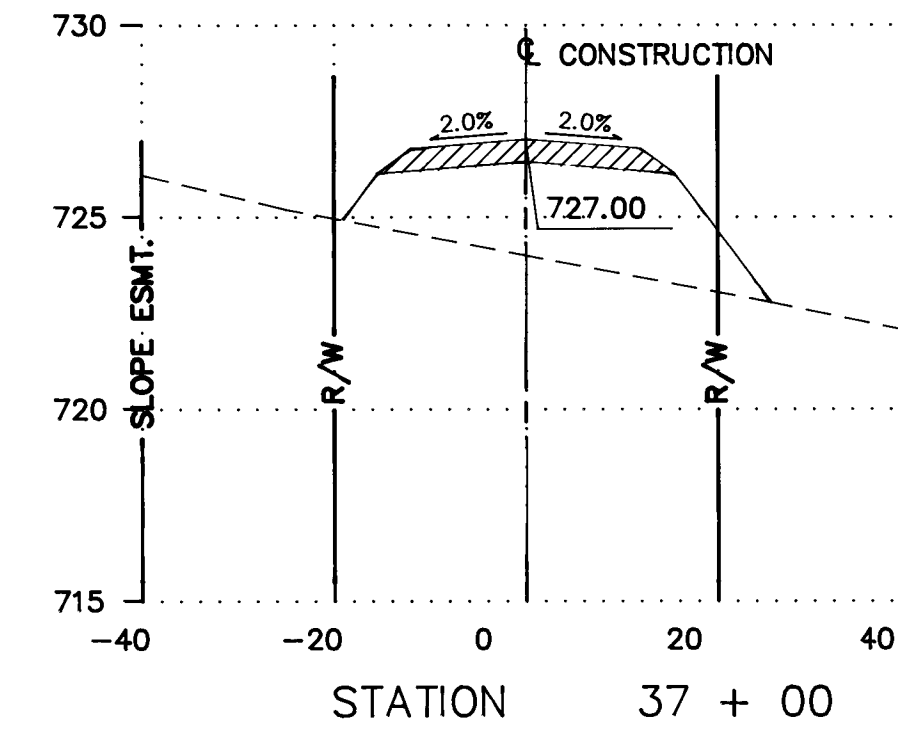
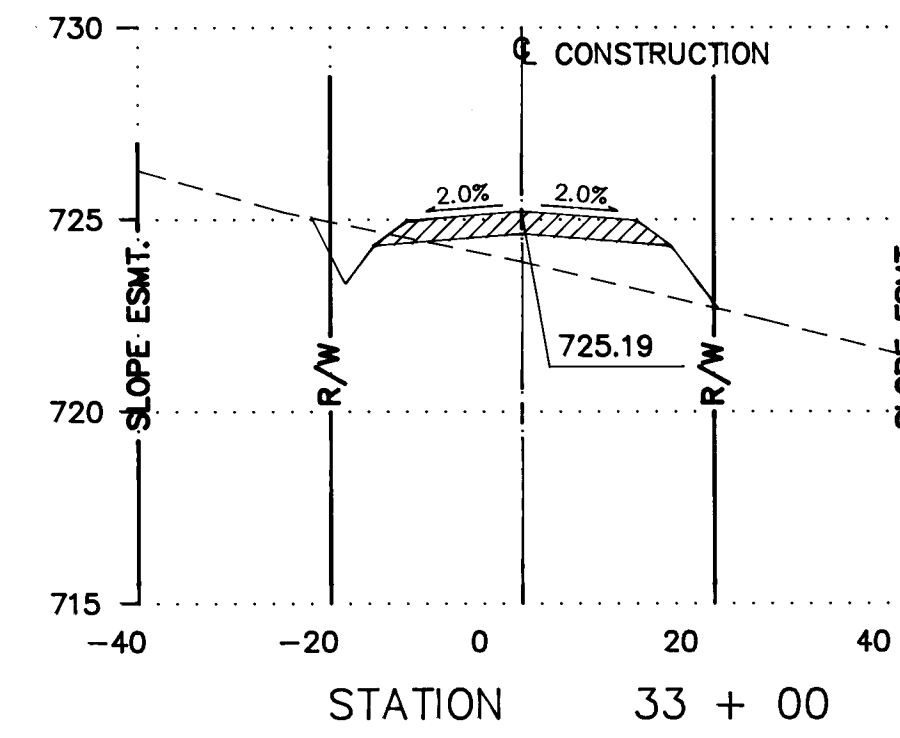
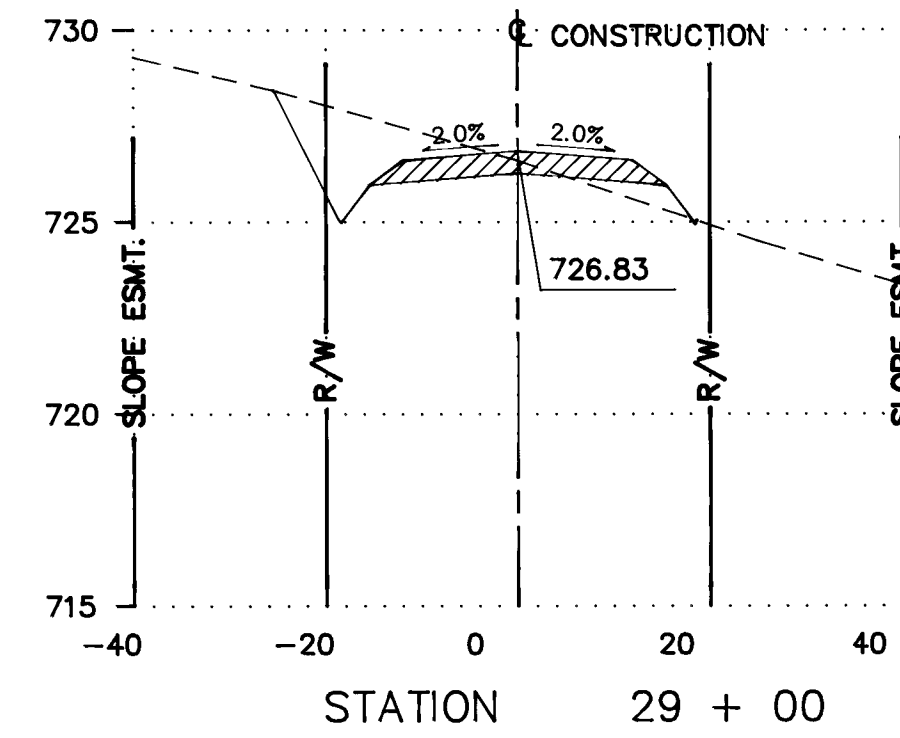
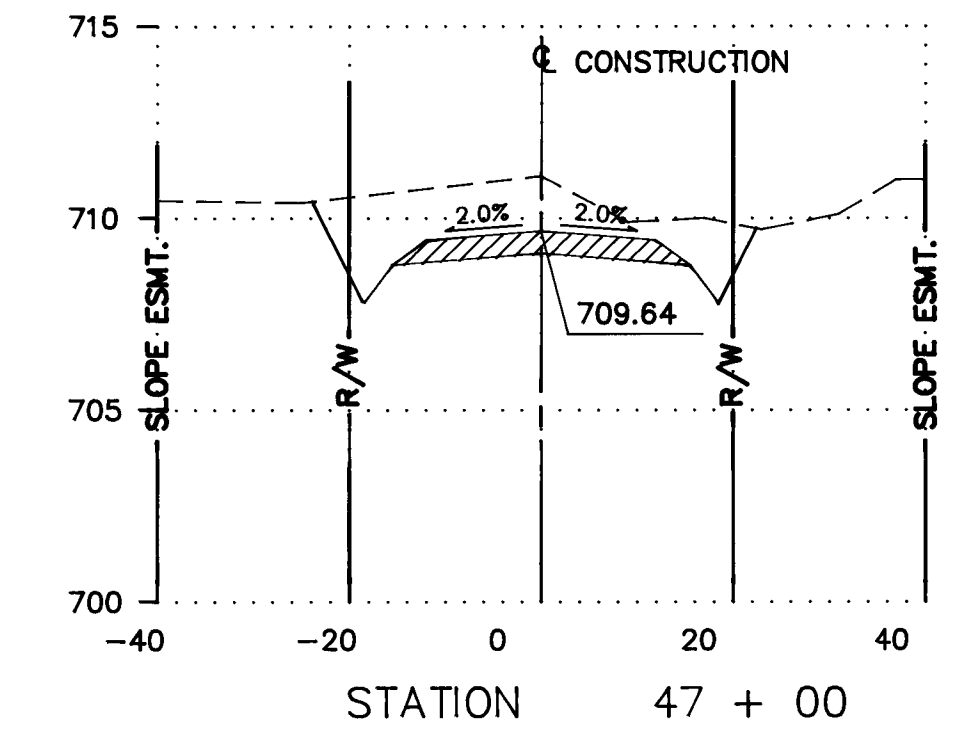
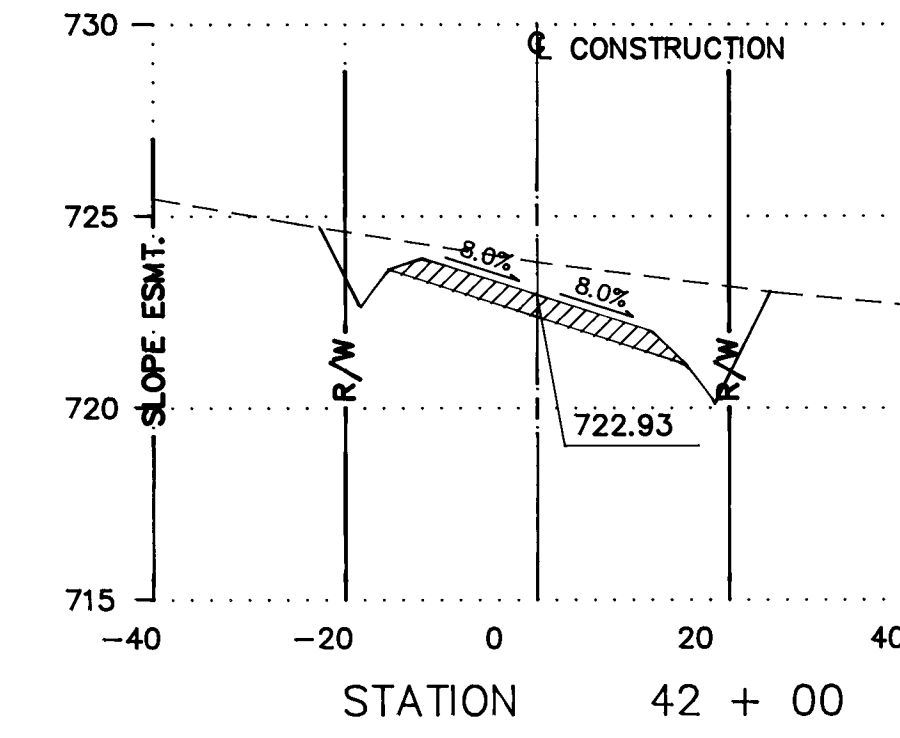
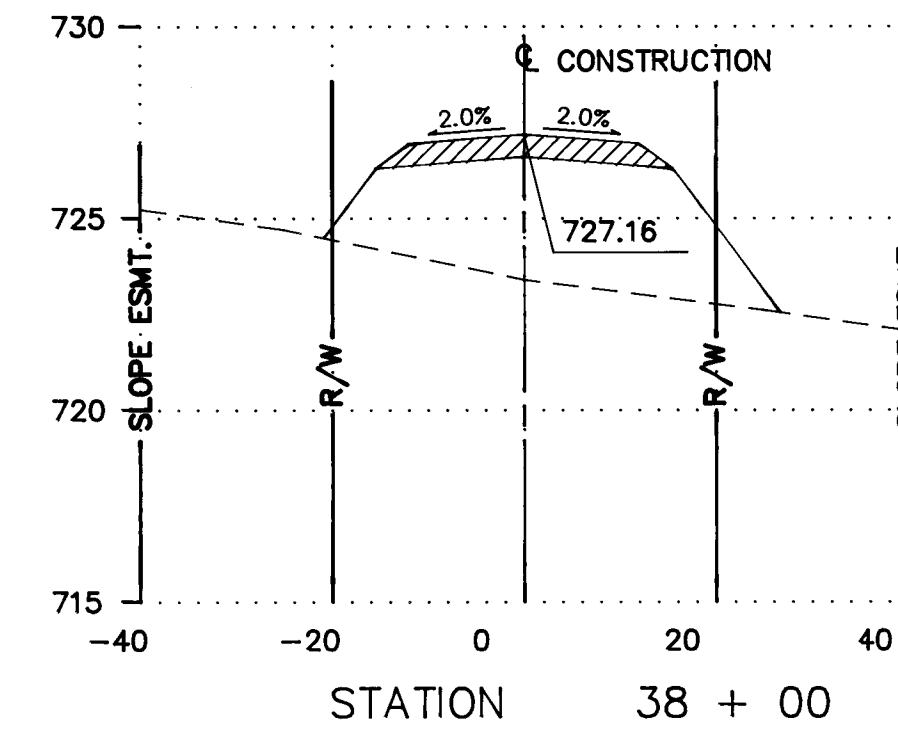
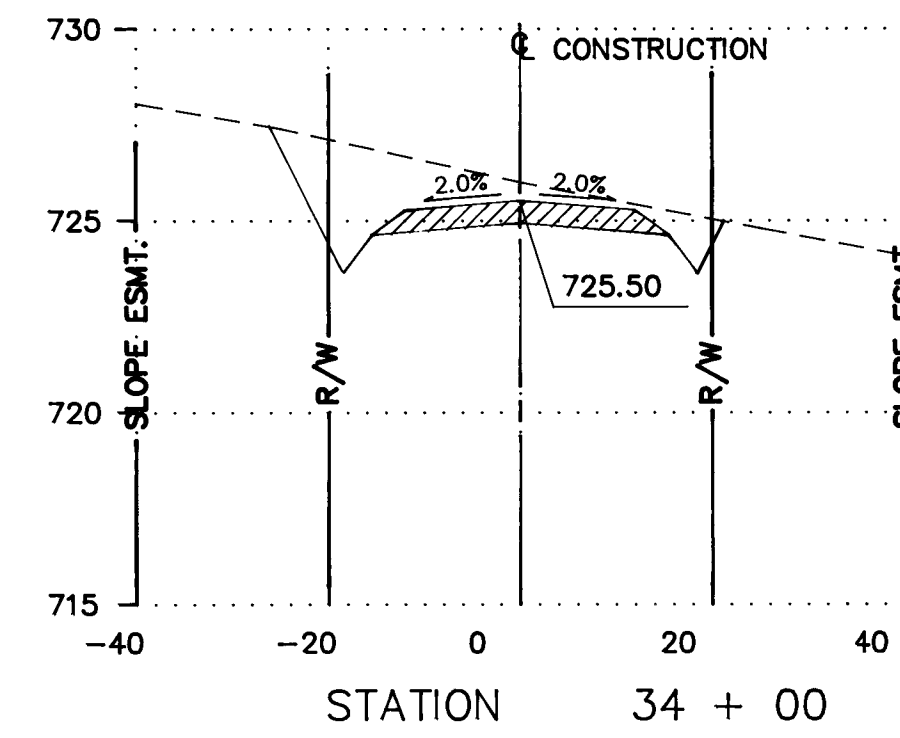
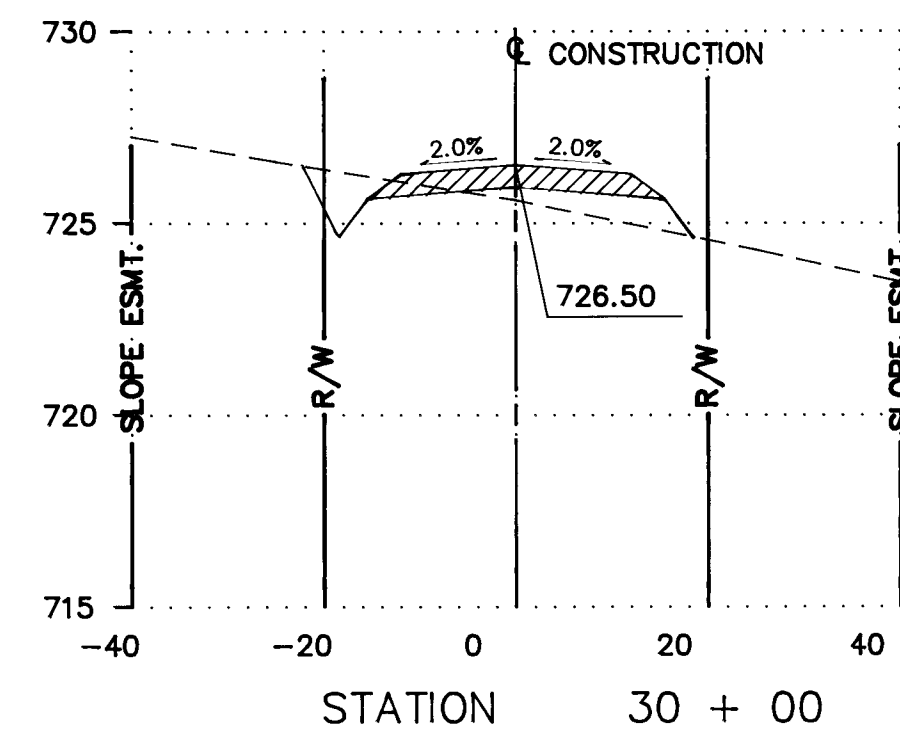
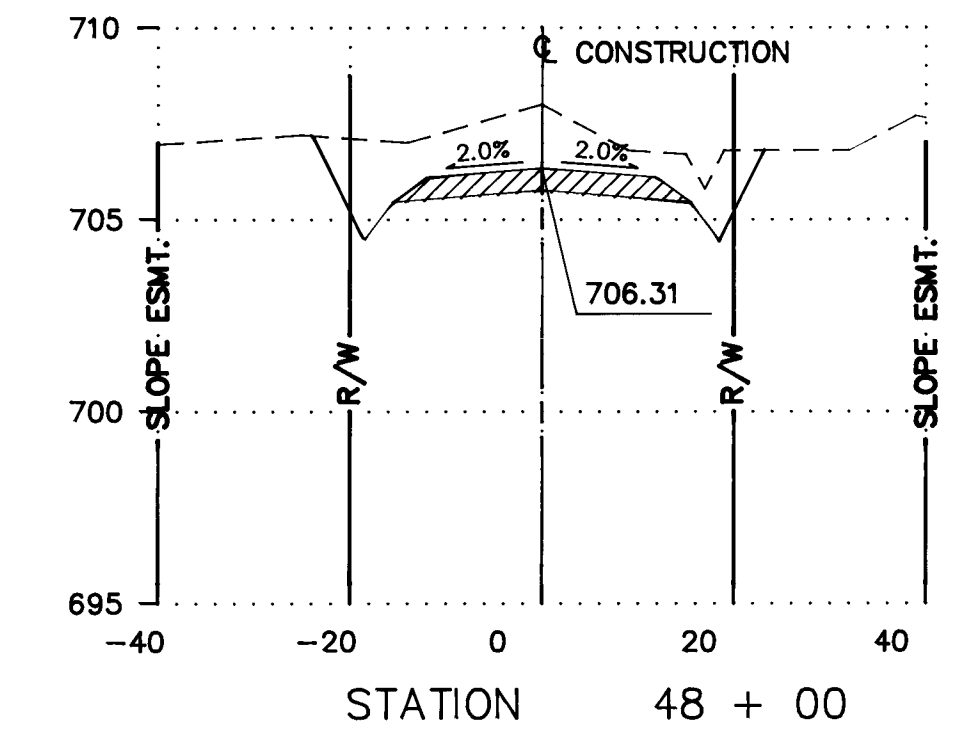
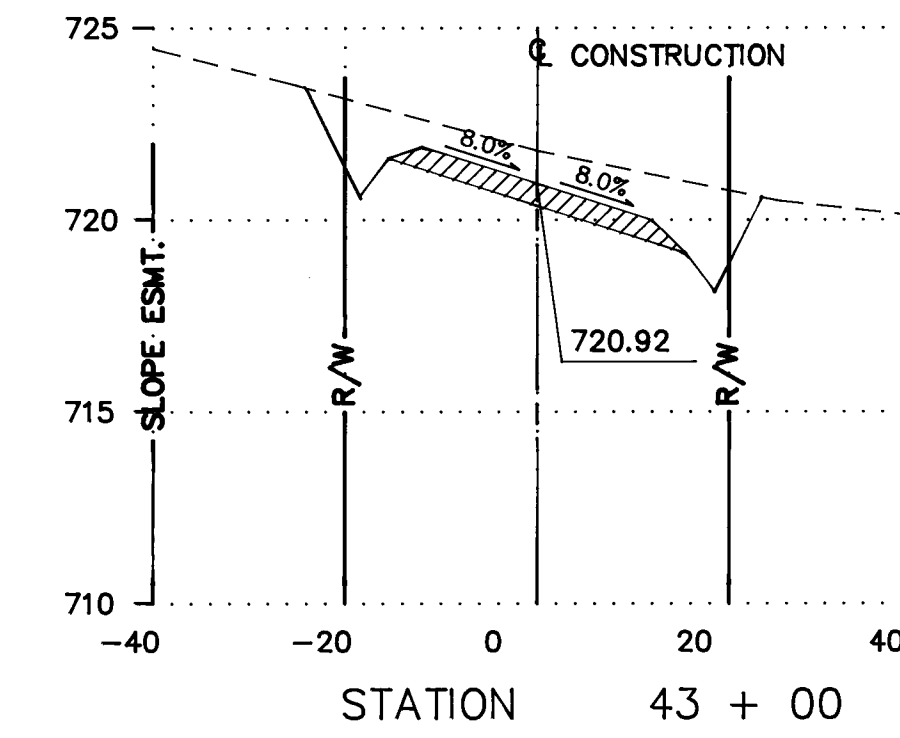
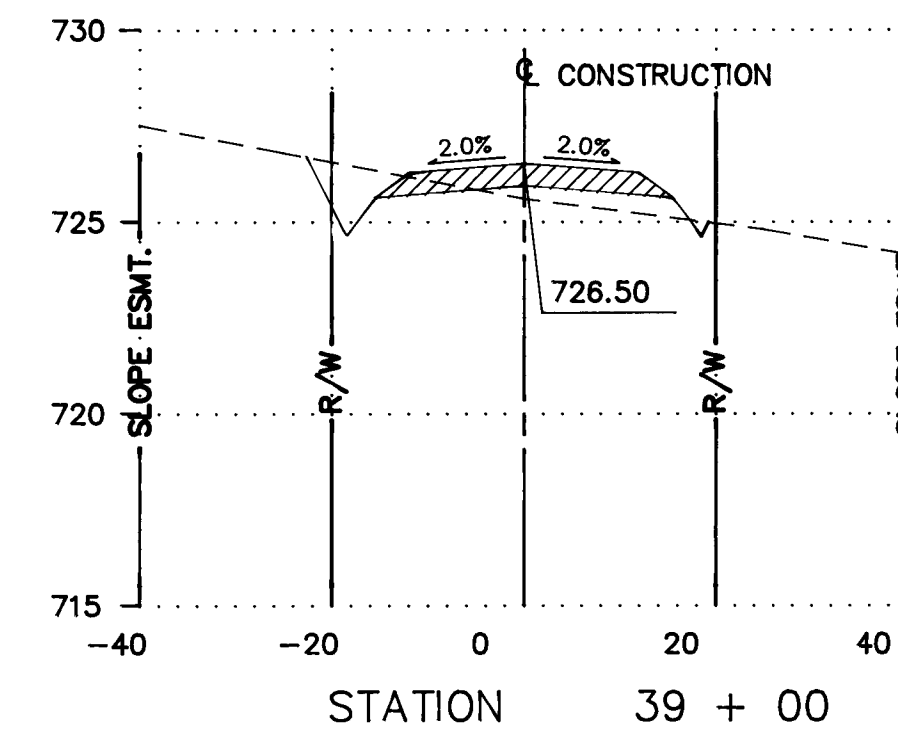
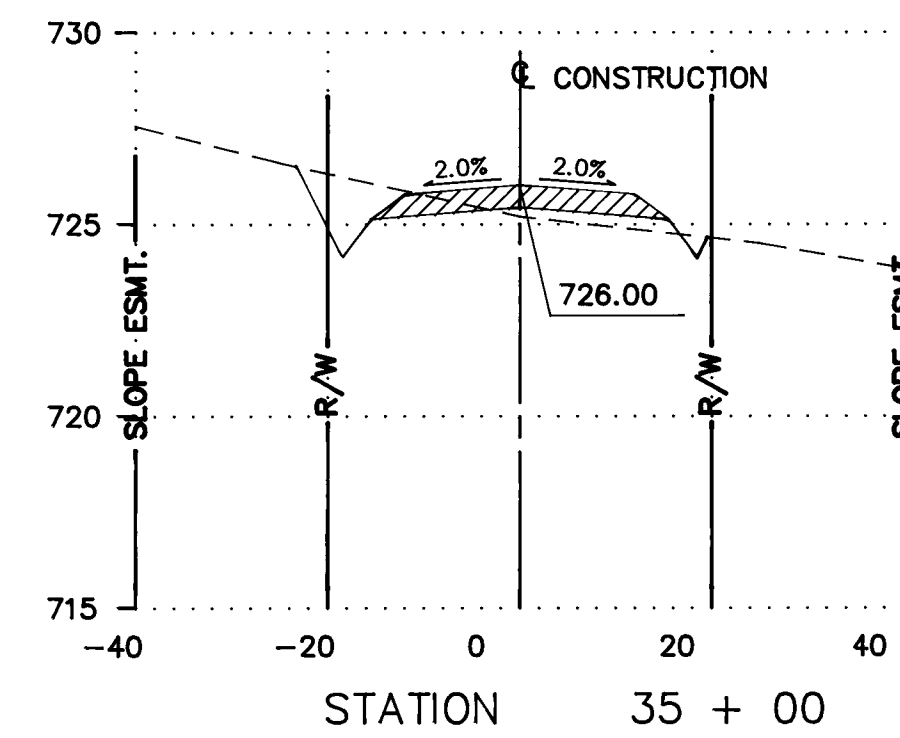
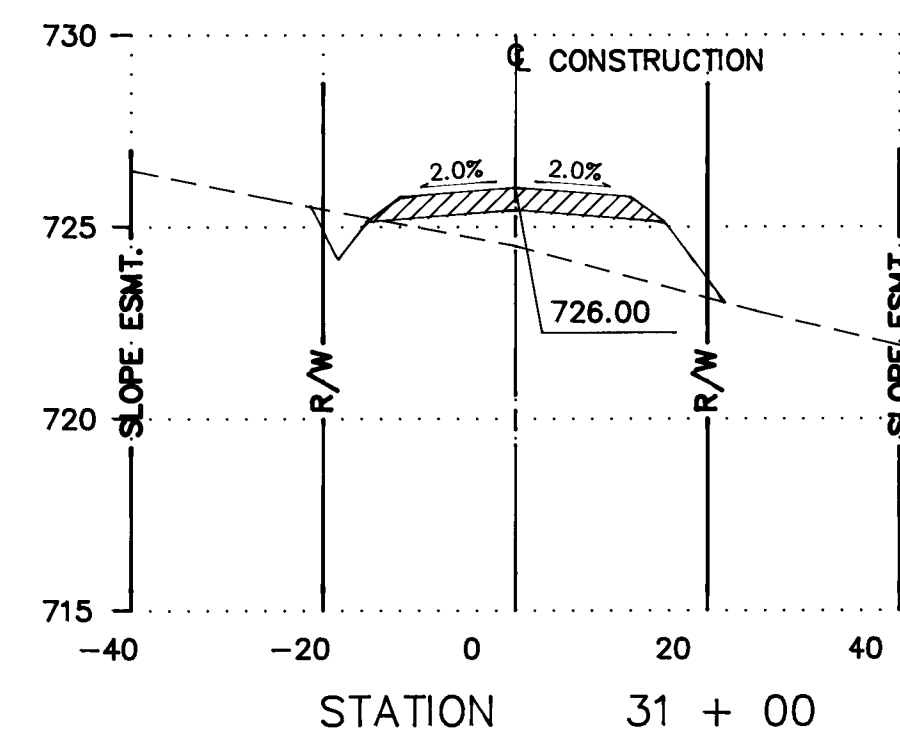
- 1) ALL RIP-RAP MATERIAL USED SHALL BE 6" MIN. GRADEATION CONFORMING TO C.O.A. STD. SPEC. SECTION 109, TABLE 109, TYPE VL.
- 2) CONTRACTOR SHALL REFER TO SUPPLEMENTAL TECHNICAL SPECIFICATION SECTION 513 FOR ADDITIONAL INFORMATION FOR CONSTRUCTION OF PRECAST CULVERT.

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACT NO.	DATE	BY	STANDARD A.C.S. BRASS TABLET #1-C99	LOCATED	NEAR SECTIONS 16 & 17 T.11 N. R.2E ALONG THE SOUTH BOUNDARY OF THE TOWN OF ALAMEDA GRANT.	NO.	BY	DATE			
WORK ORDER NO.	DATE	BY	FIELD NO.	DATE	ELEVATION = 5485.18'	NO.	BY	DATE			
FIELD NO.	DATE	BY	FIELD NO.	DATE	ELEVATION = 5485.18'	NO.	BY	DATE			
MICRO-FILM INFORMATION			REVISIONS			DESIGN			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	8-23-91	R. L. G.	1	8-23-91	R. L. G.	1	8-23-91	R. L. G.	1	8-23-91	R. L. G.
2	8-27-91	R. L. G.	2	8-27-91	R. L. G.	2	8-27-91	R. L. G.	2	8-27-91	R. L. G.
DRAWING NO. 3545			MAP NO. C-7			SHEET 18 OF 30			SHEET 18 OF 30		



26 3545.19.92

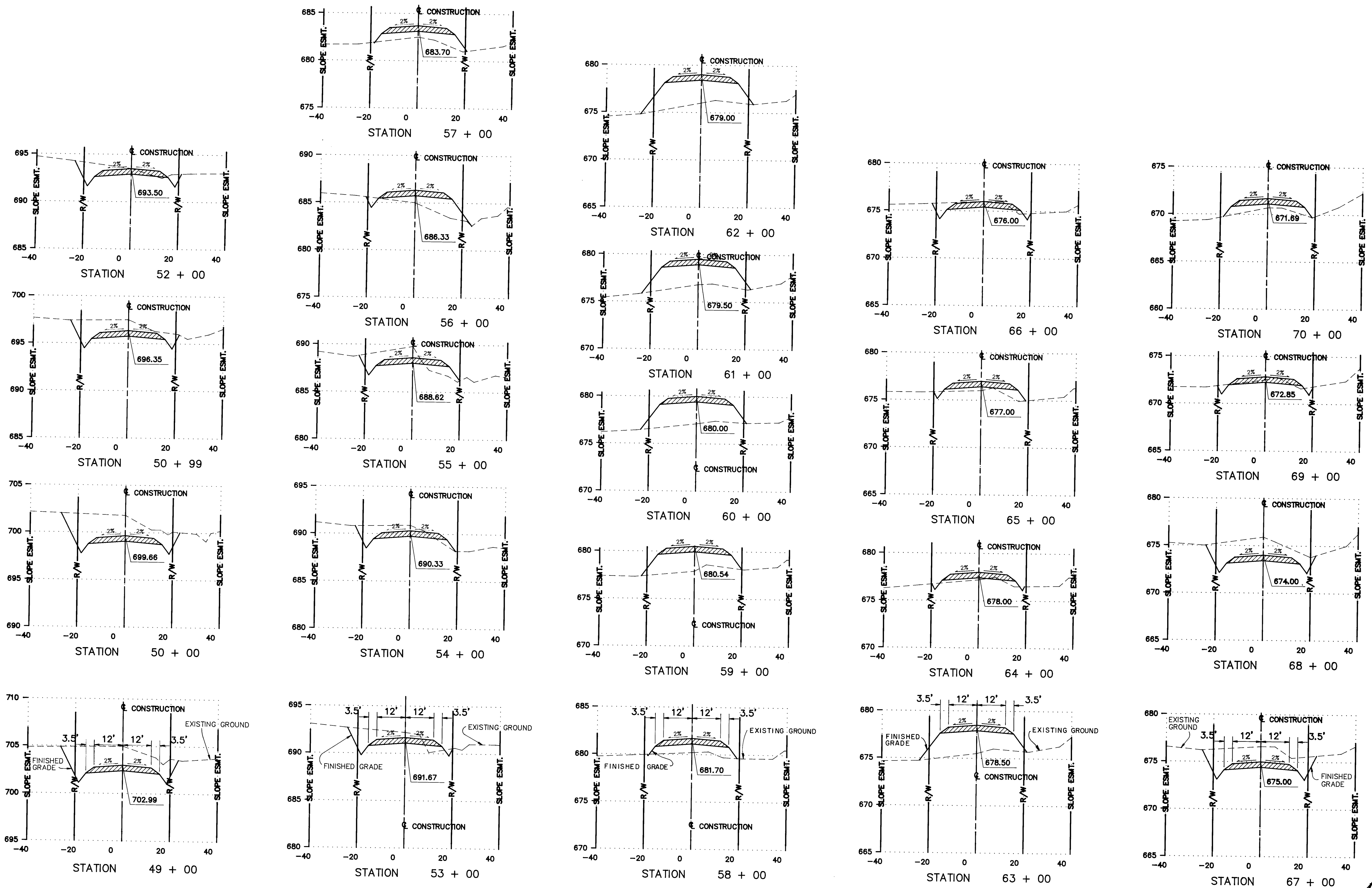
ROADWAY CROSS SECTIONS
STATION 11 + 00 TO STATION 27 + 00
PASEO DEL NORTE, WEST / PASEO DEL VOLCAN



26 38452092

ROADWAY CROSS SECTIONS
STATION 28 + 00 TO STATION 48 + 00
PASEO DEL NORTE, WEST / PASEO DEL VOLCAN

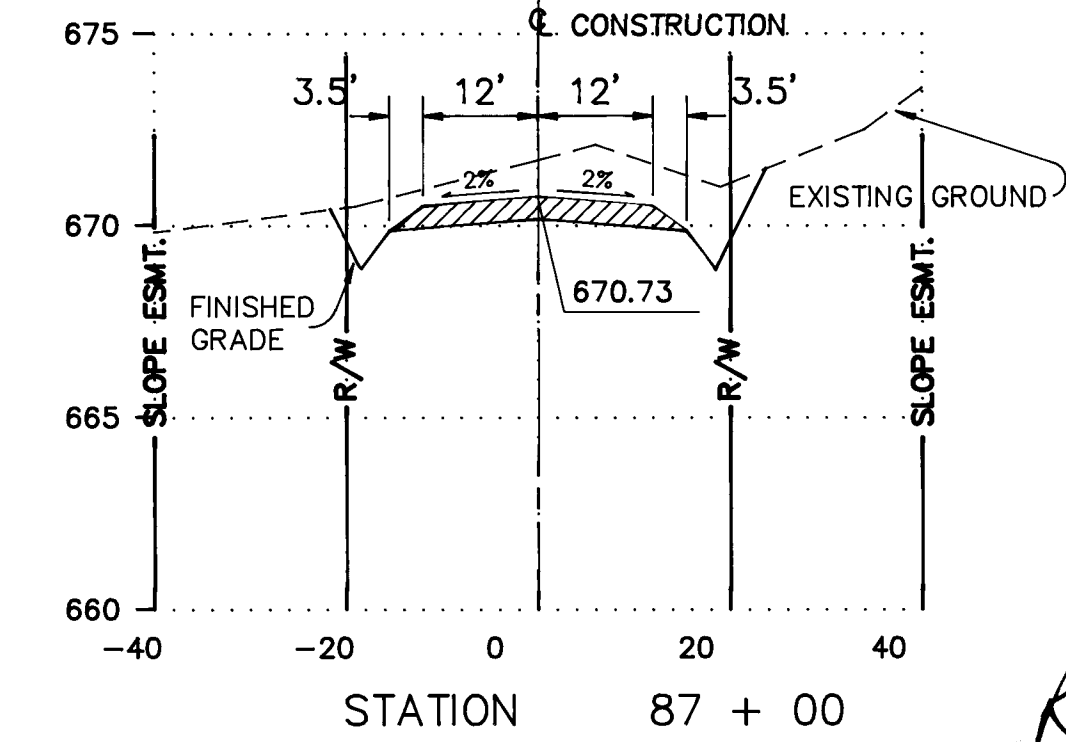
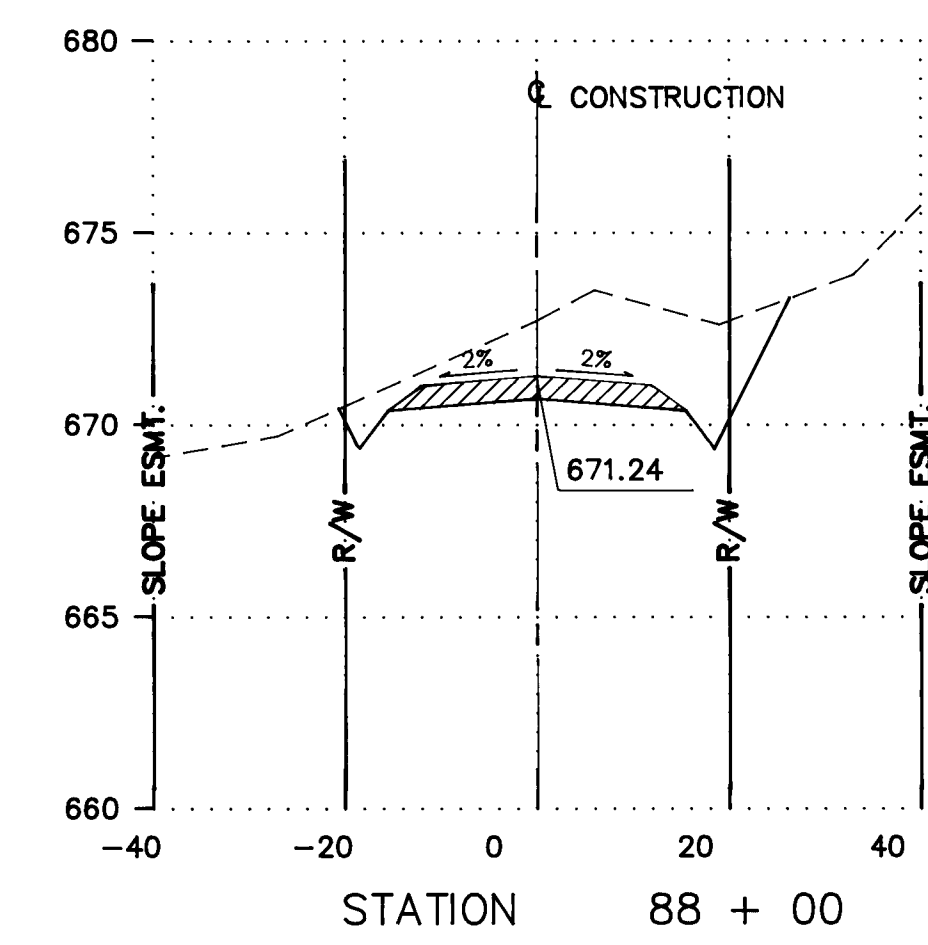
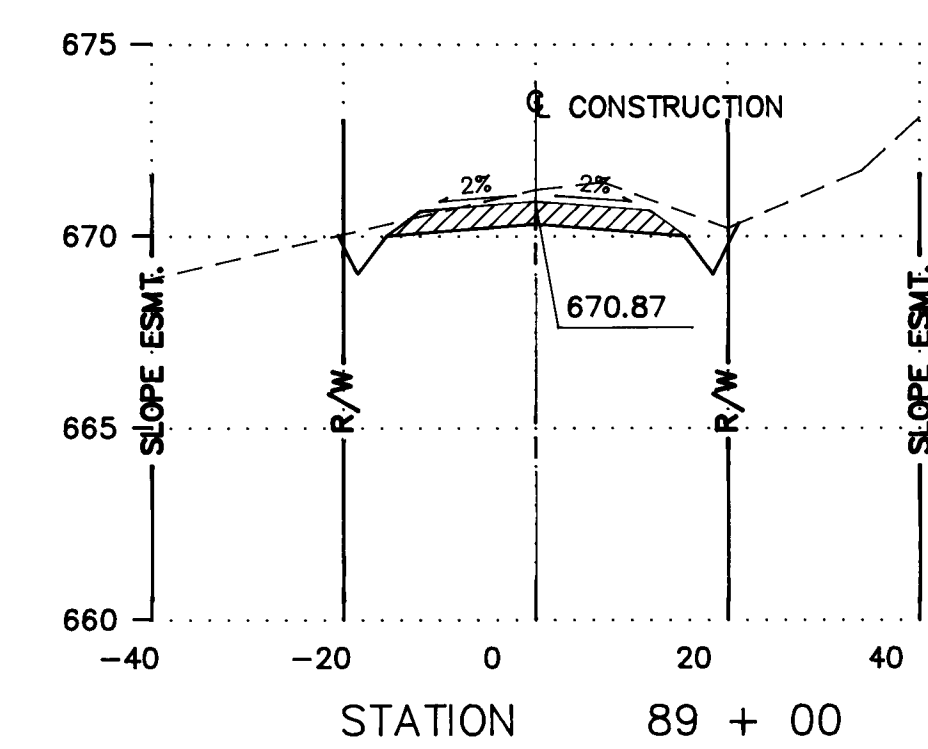
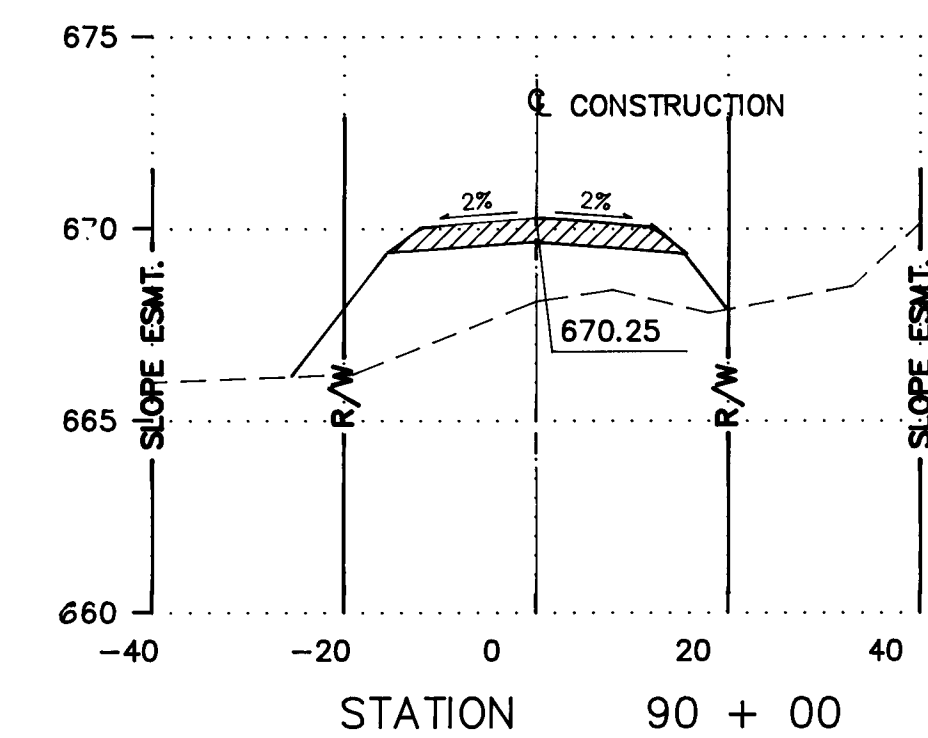
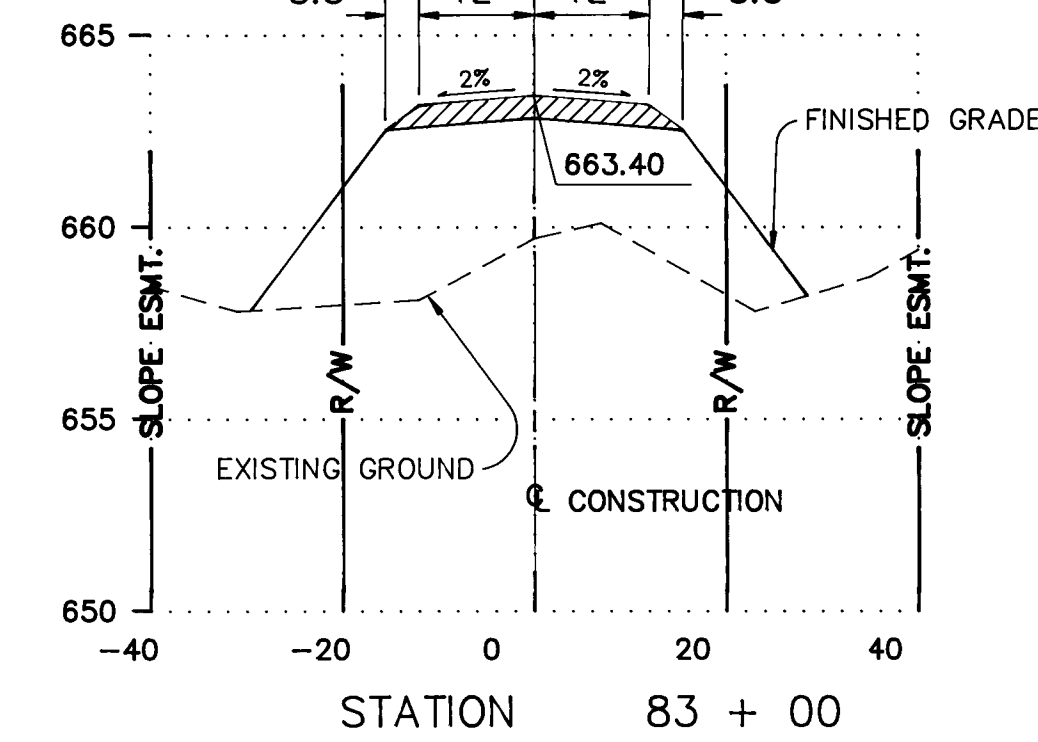
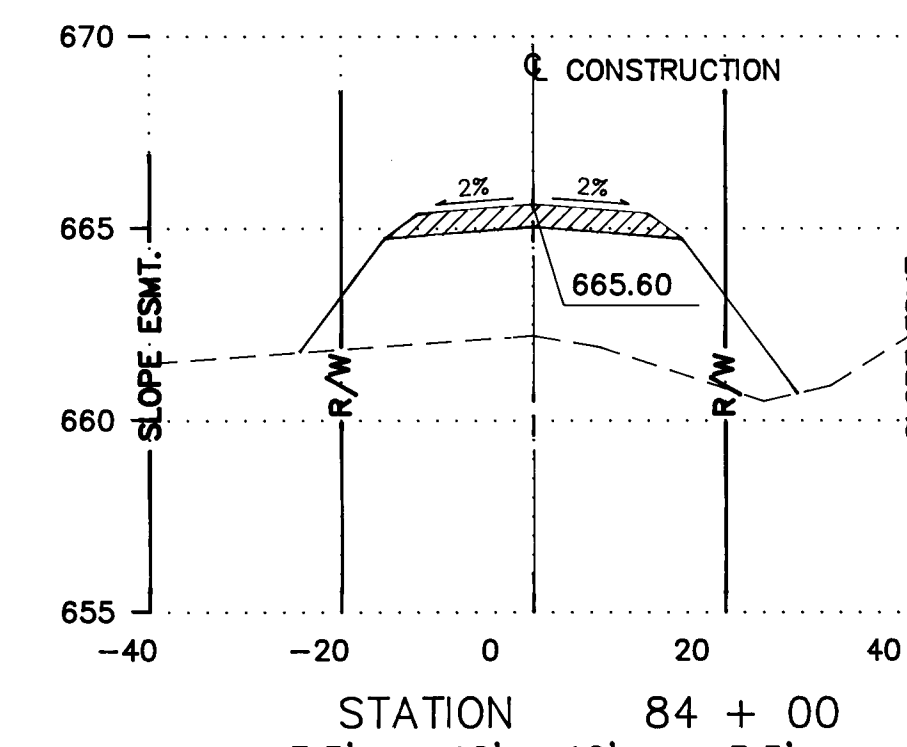
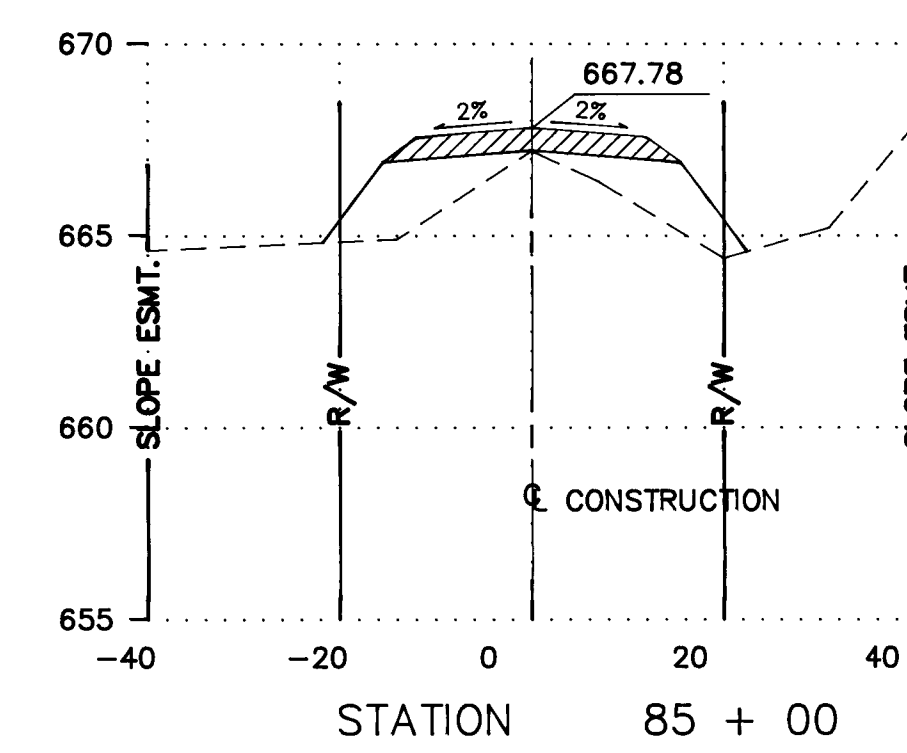
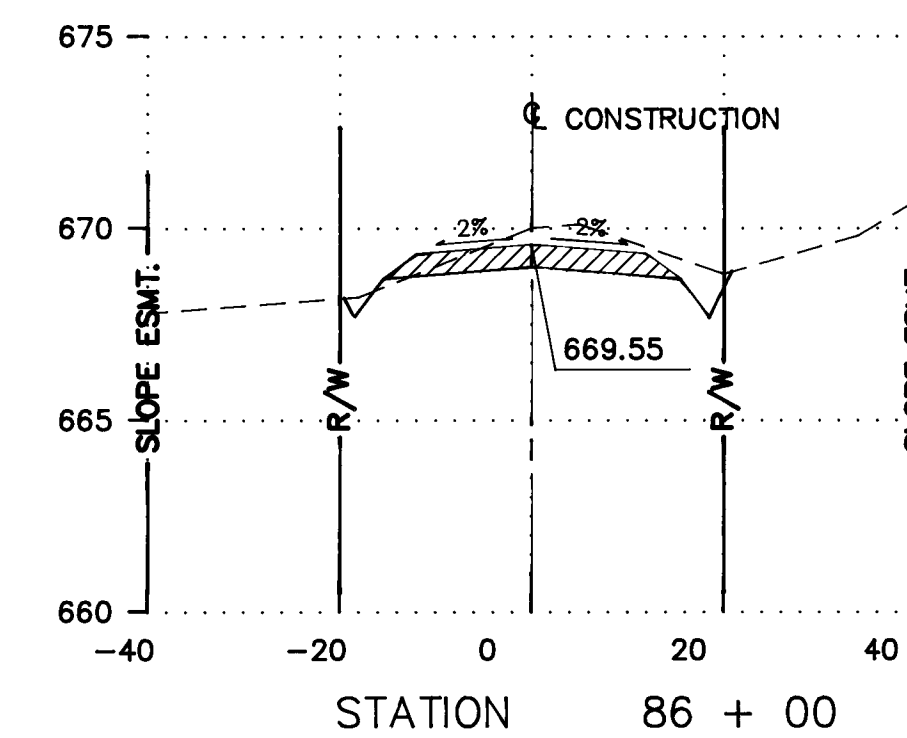
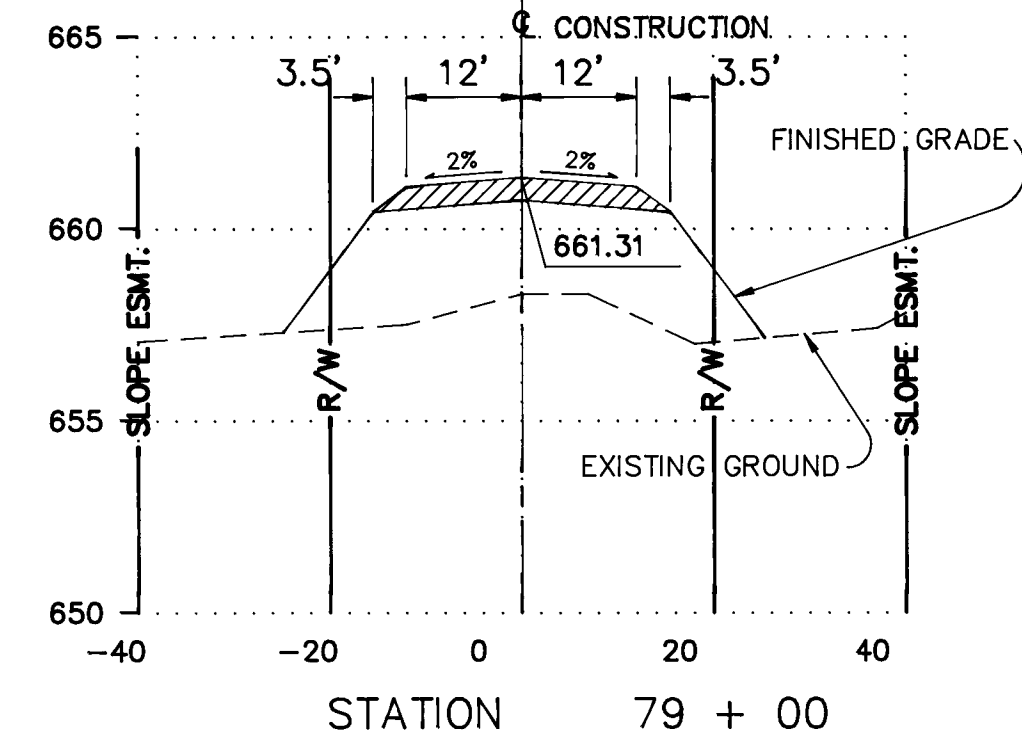
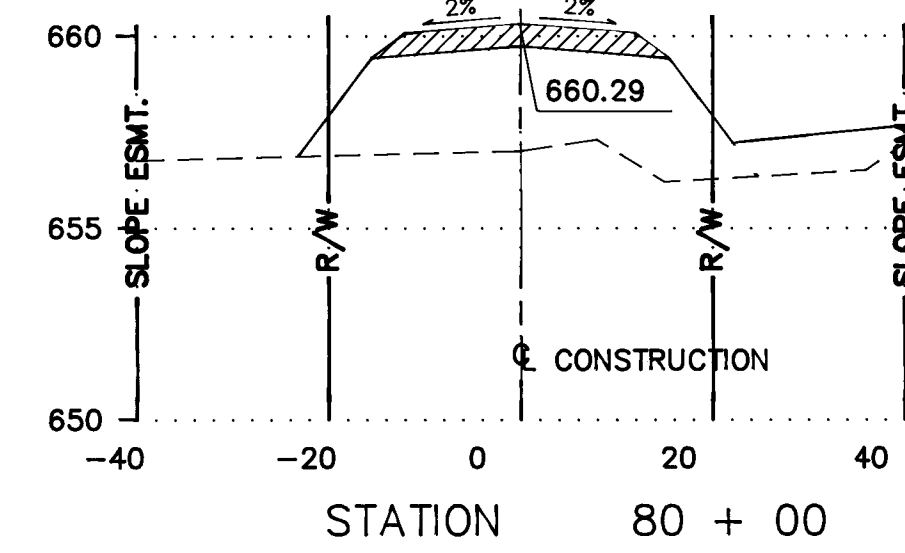
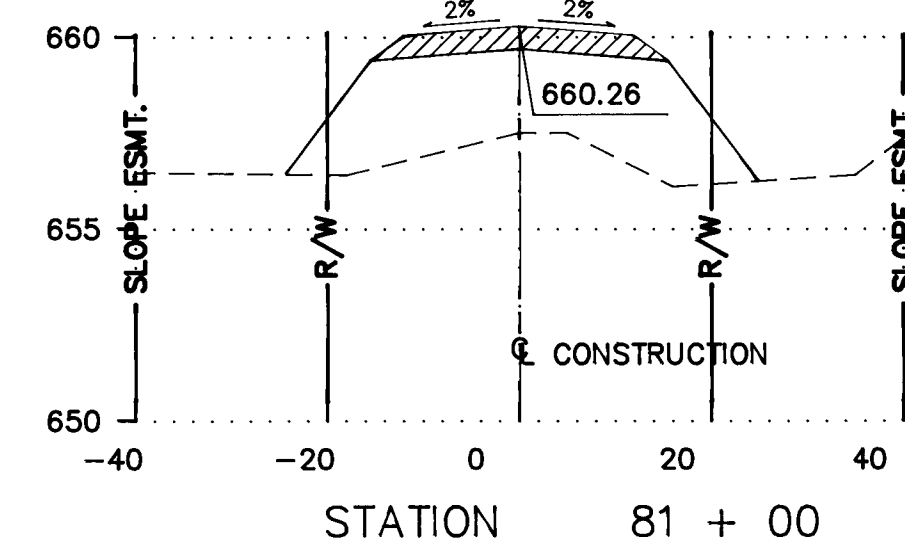
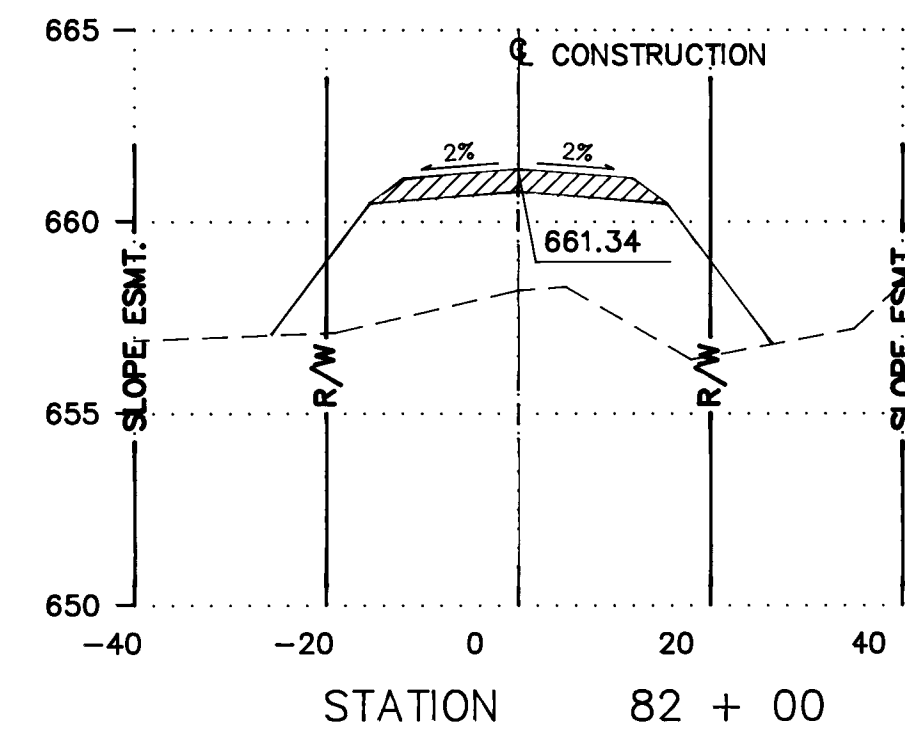
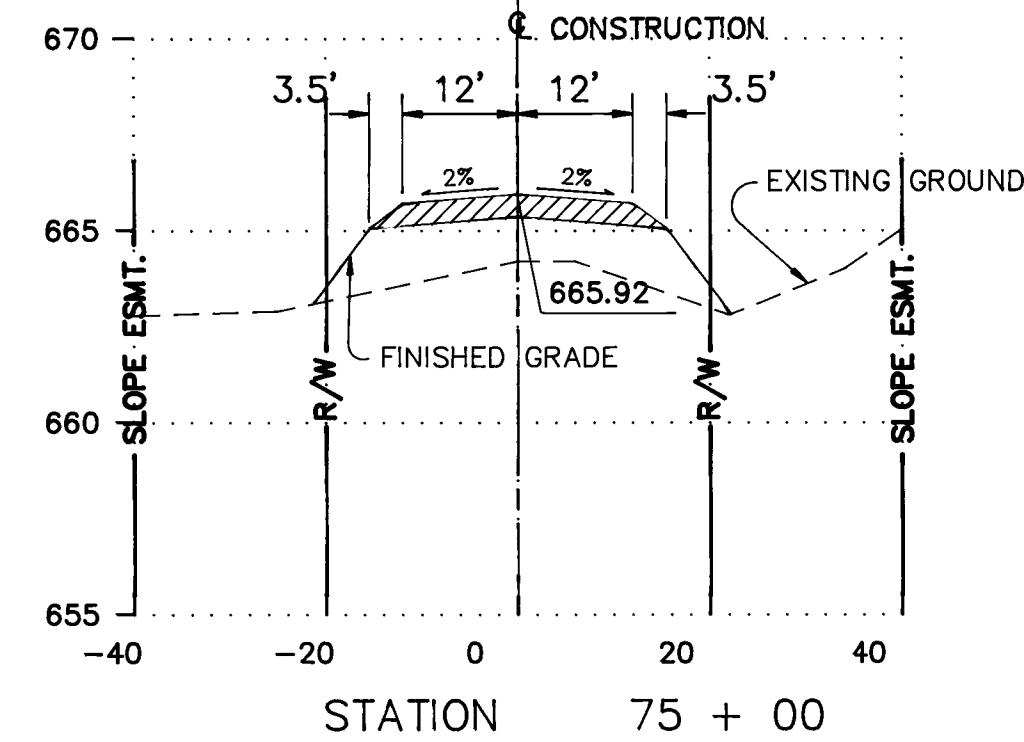
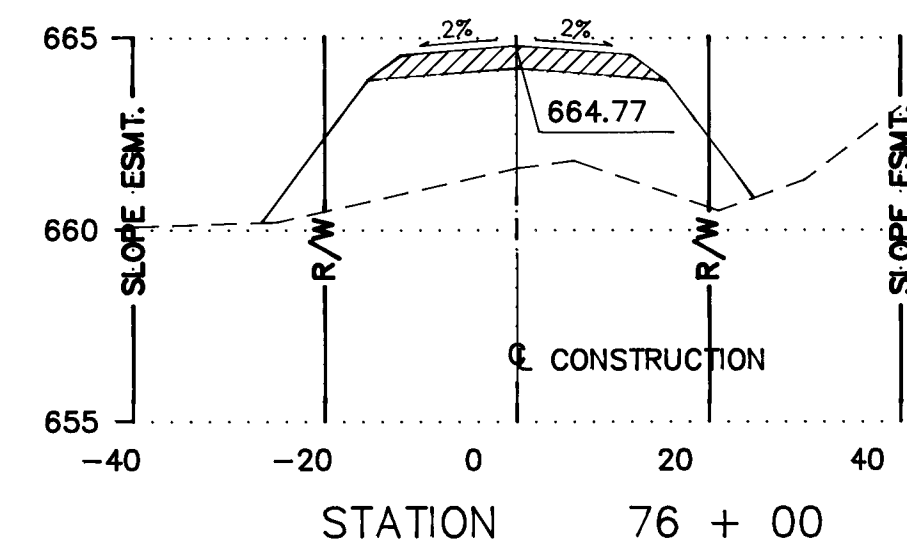
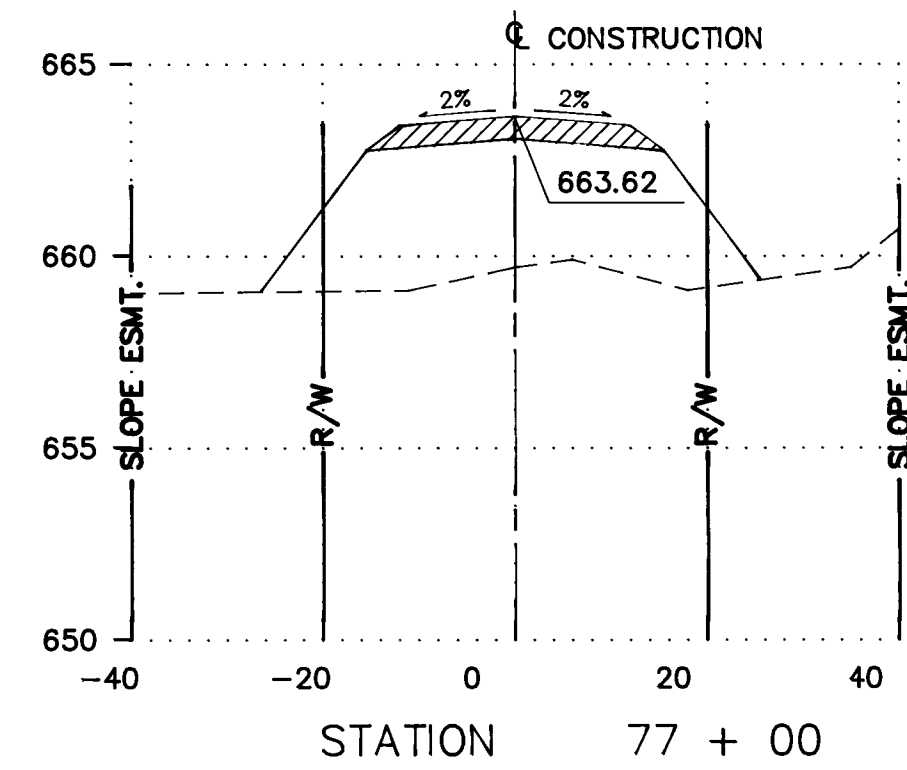
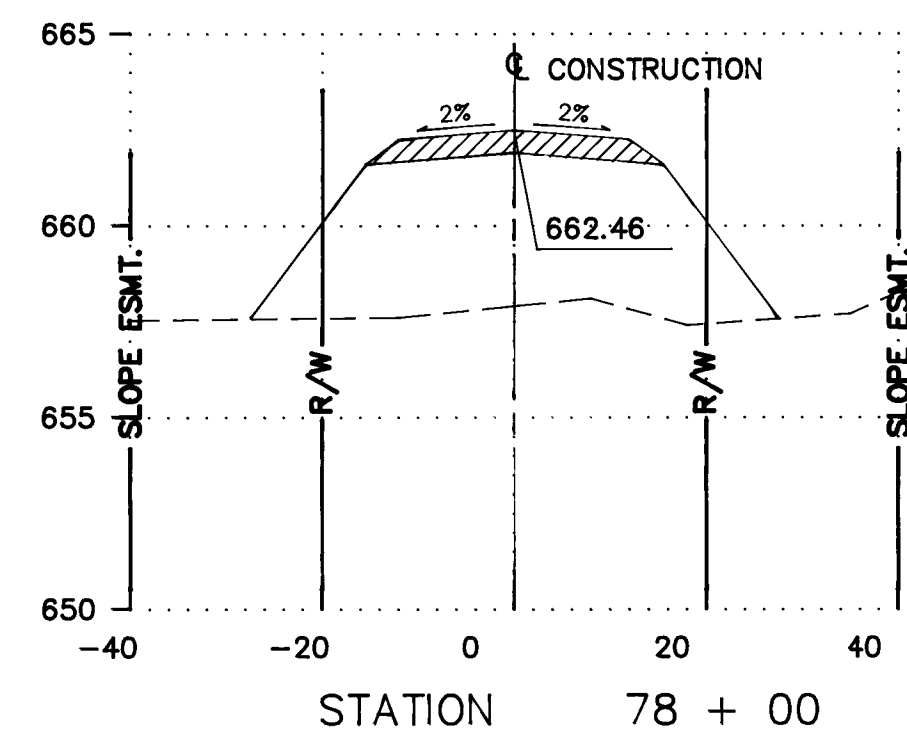
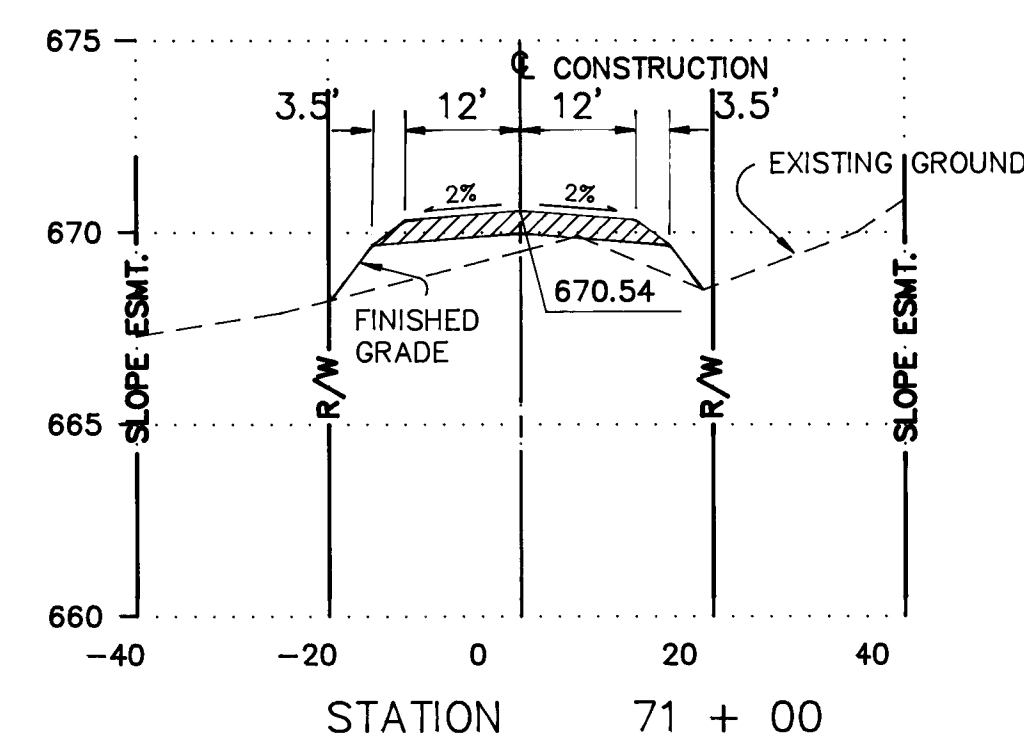
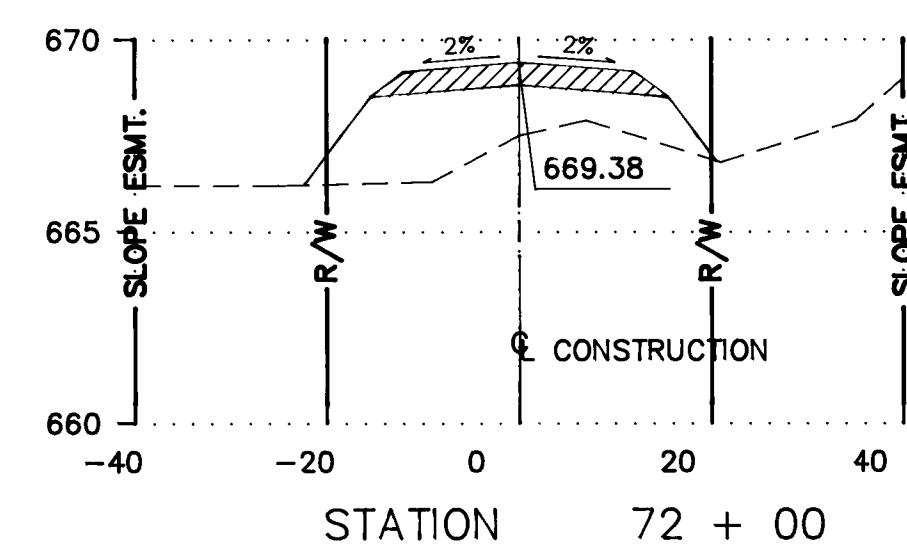
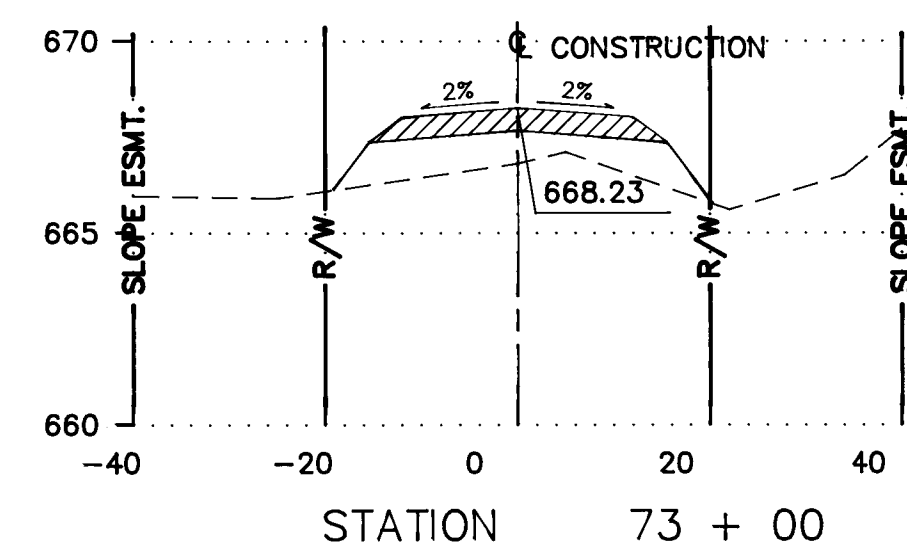
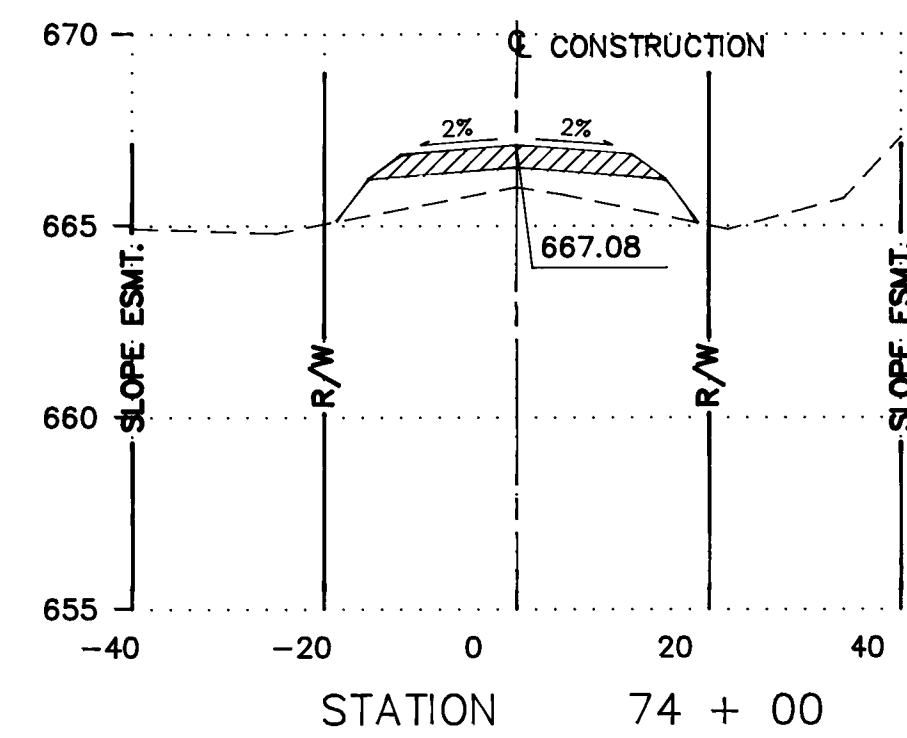




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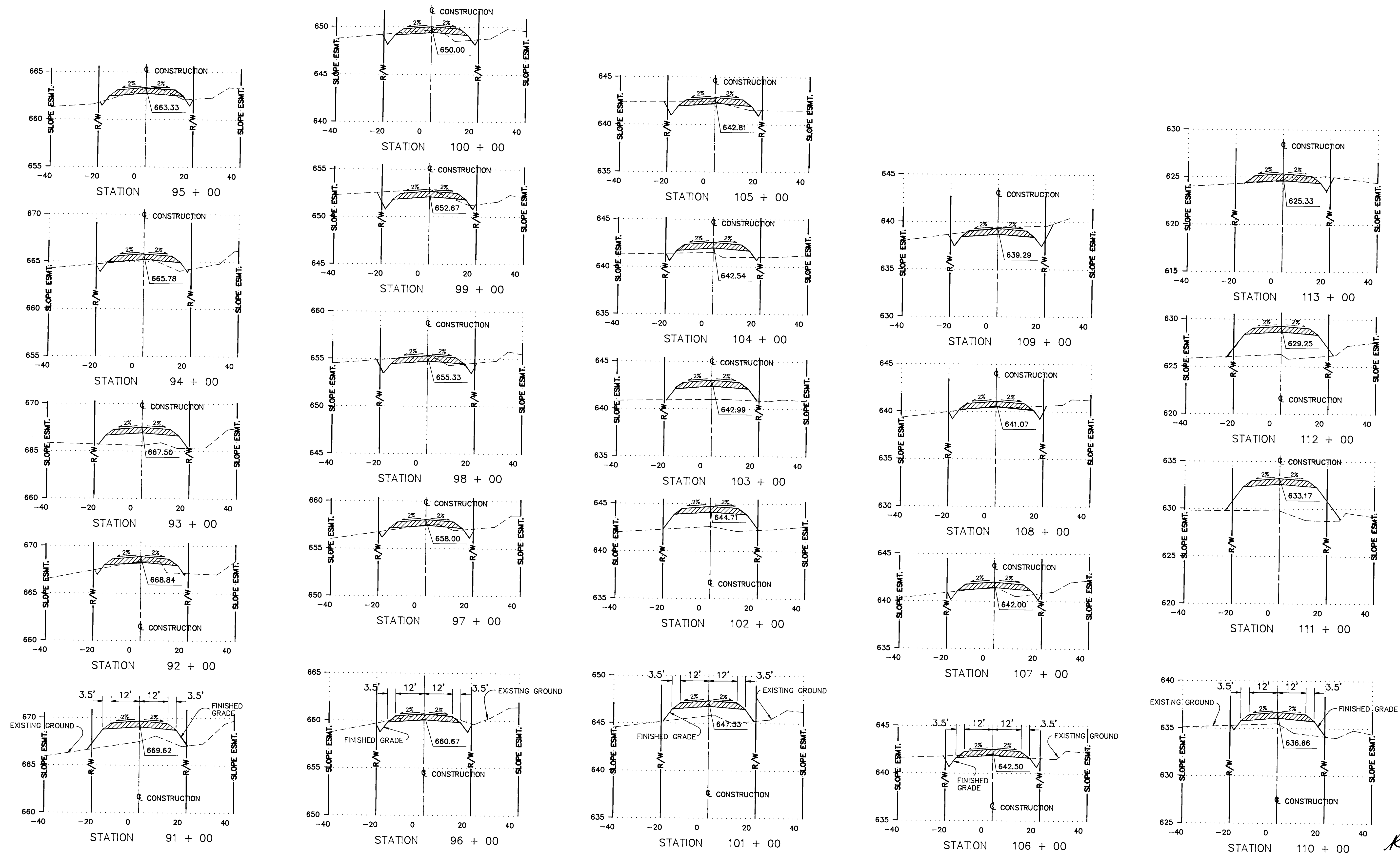
ROADWAY CROSS SECTIONS
STATION 49 + 00 TO STATION 70 + 00
PASEO DEL NORTE, WEST / PASEO DEL VOLCAN





ROADWAY CROSS SECTIONS
STATION 71 + 00 TO STATION 90 + 00
PASEO DEL NORTE, WEST / PASEO DEL VOLCAN

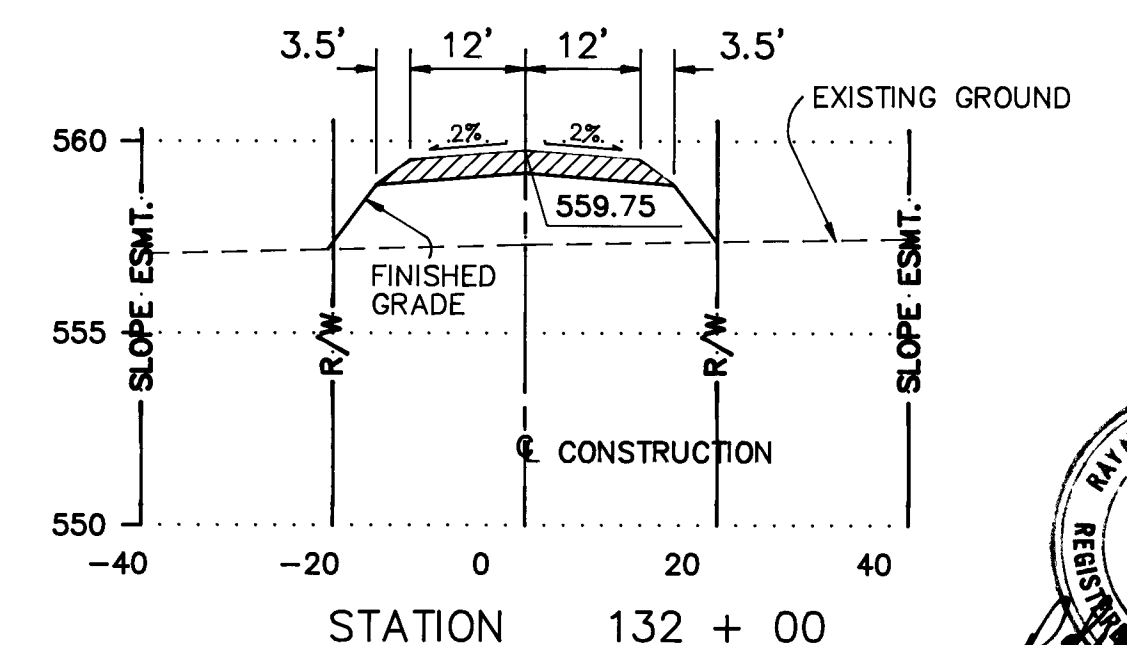
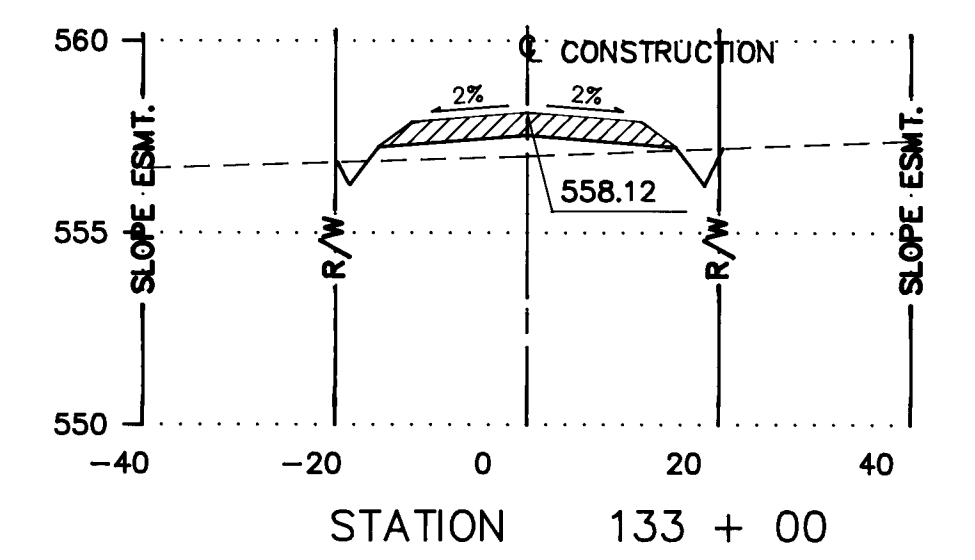
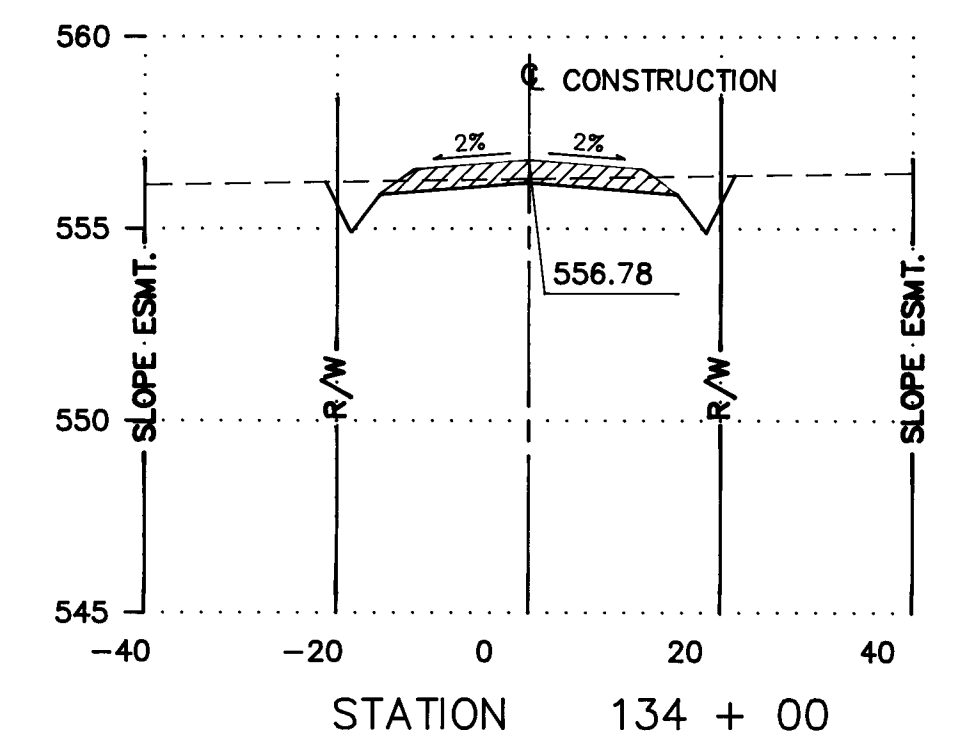
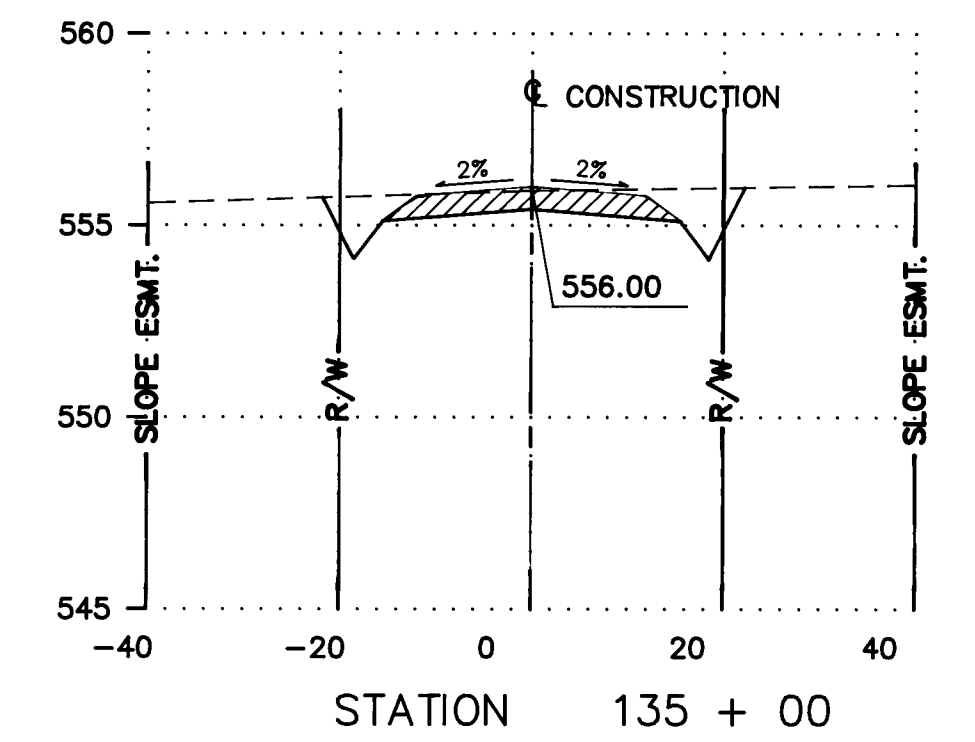
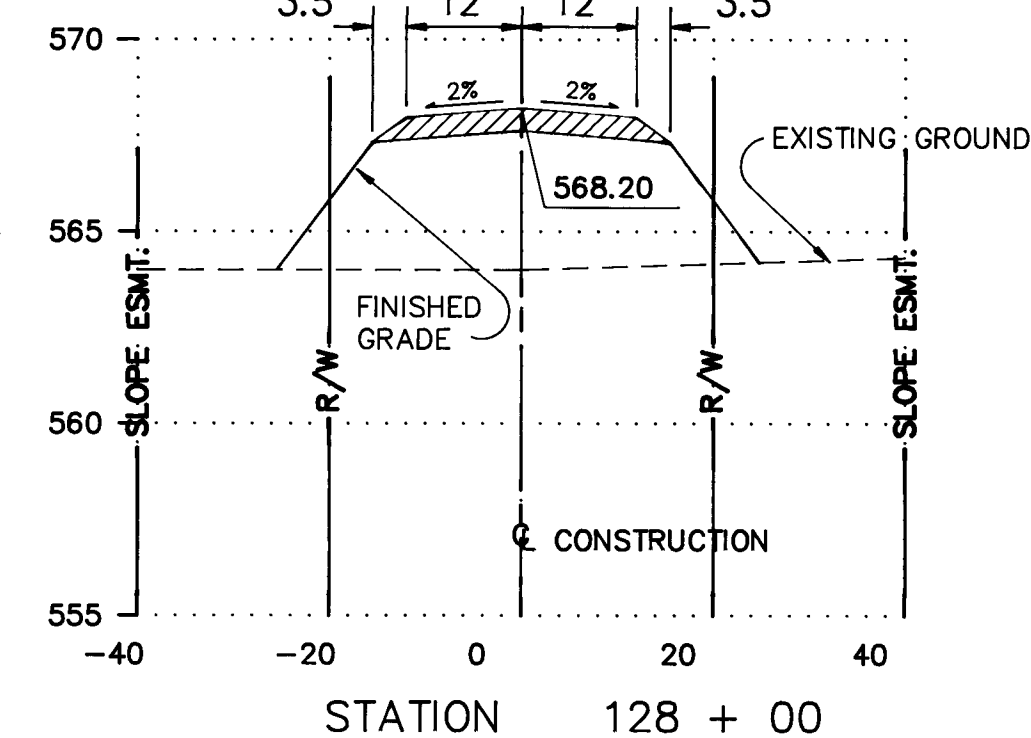
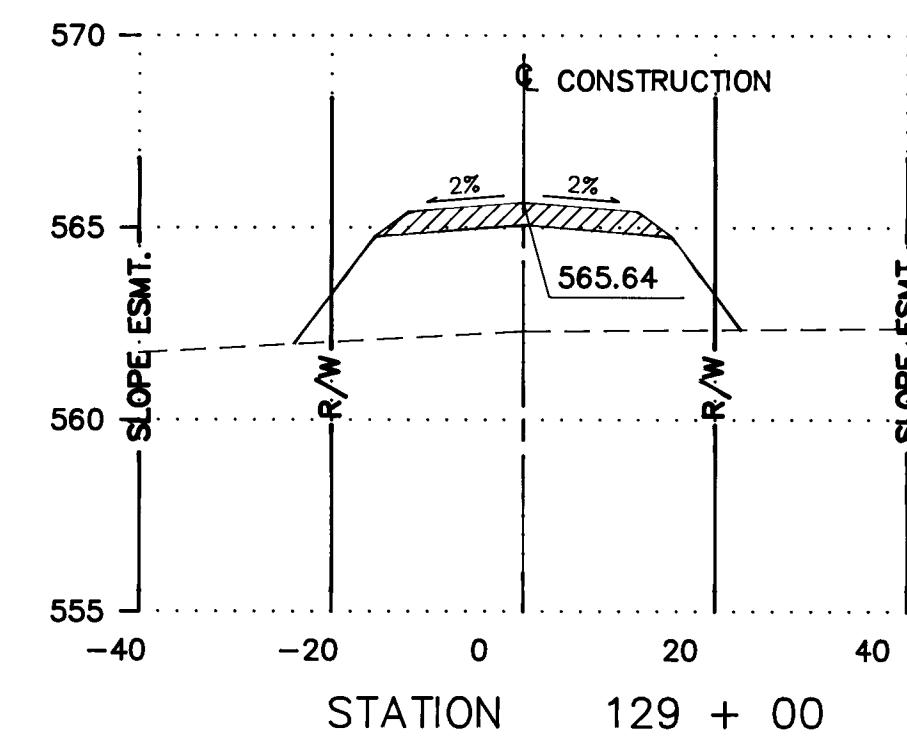
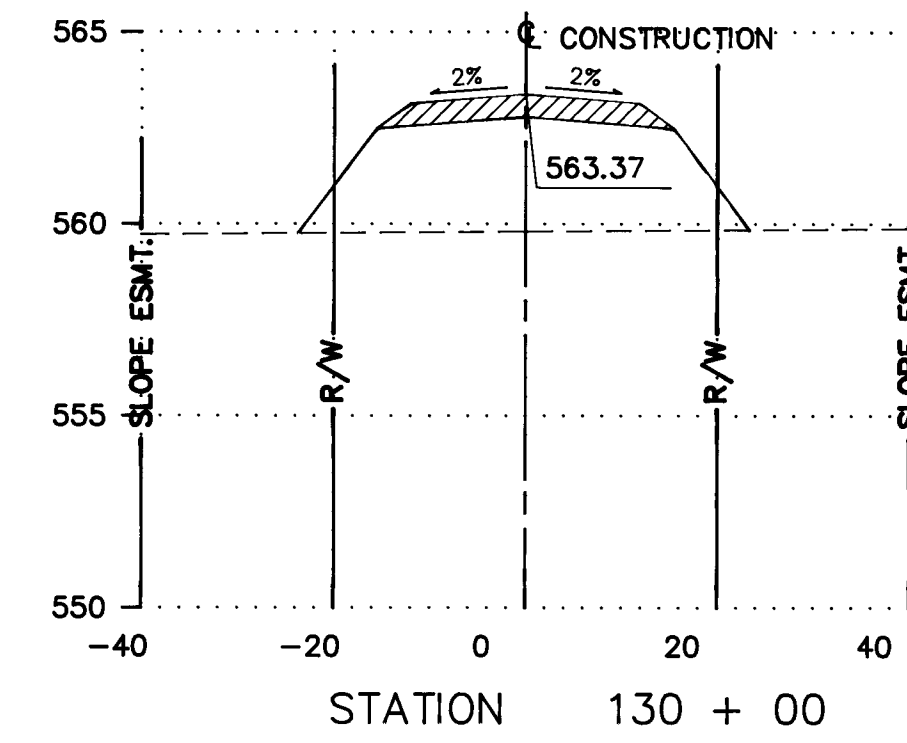
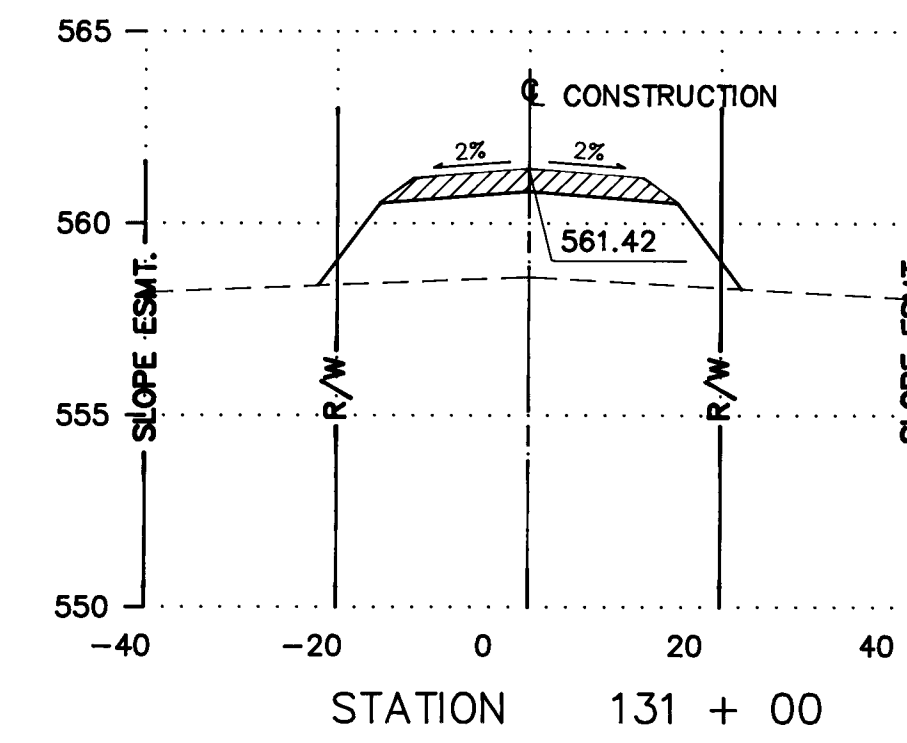
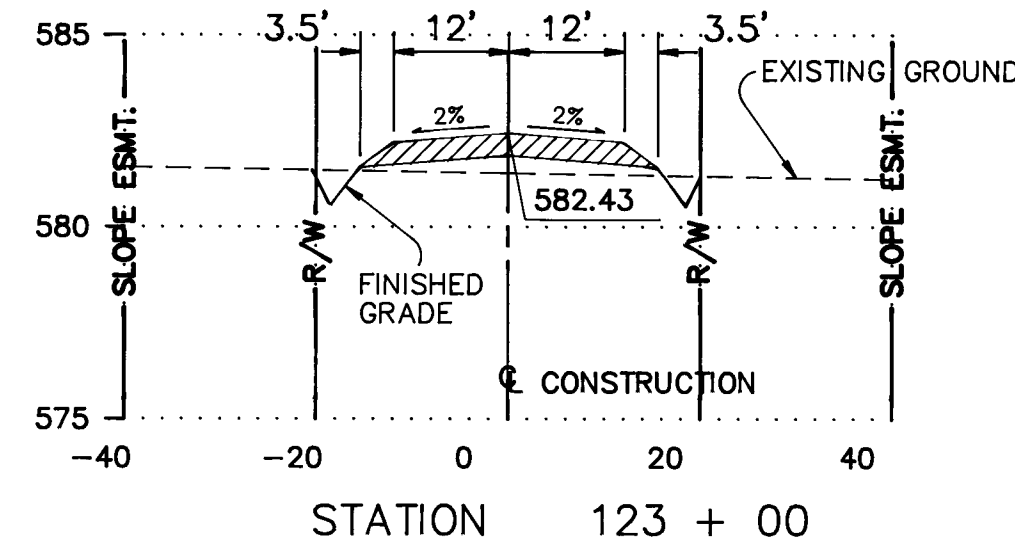
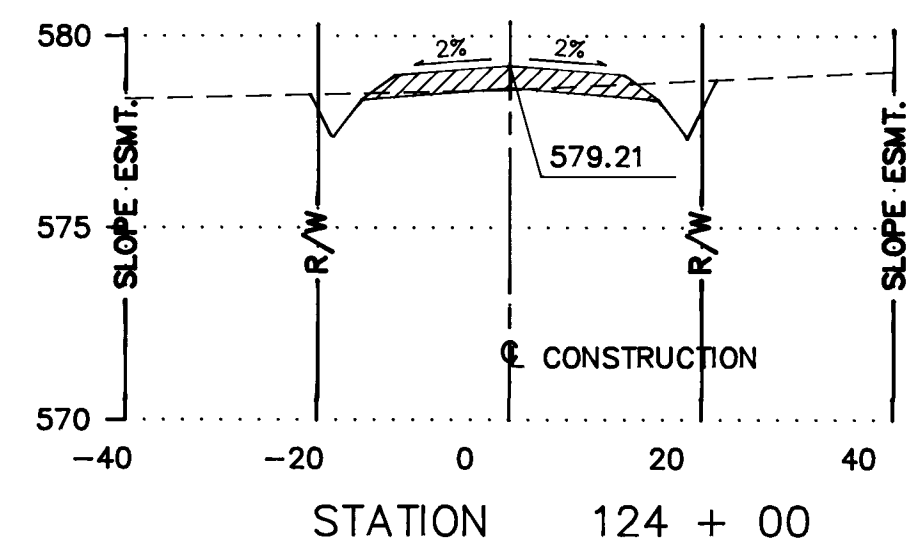
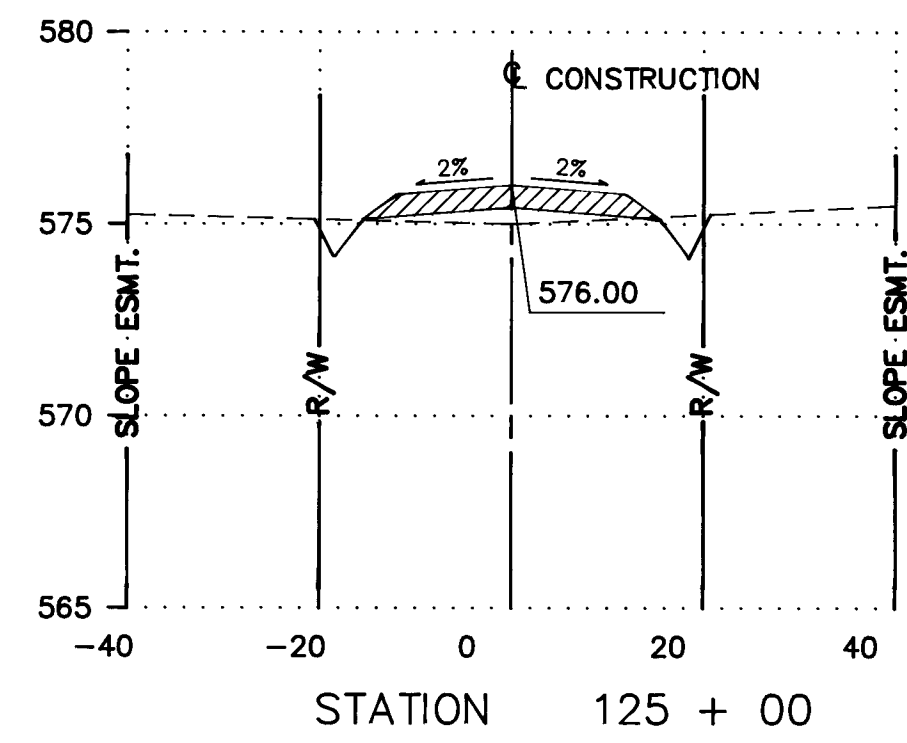
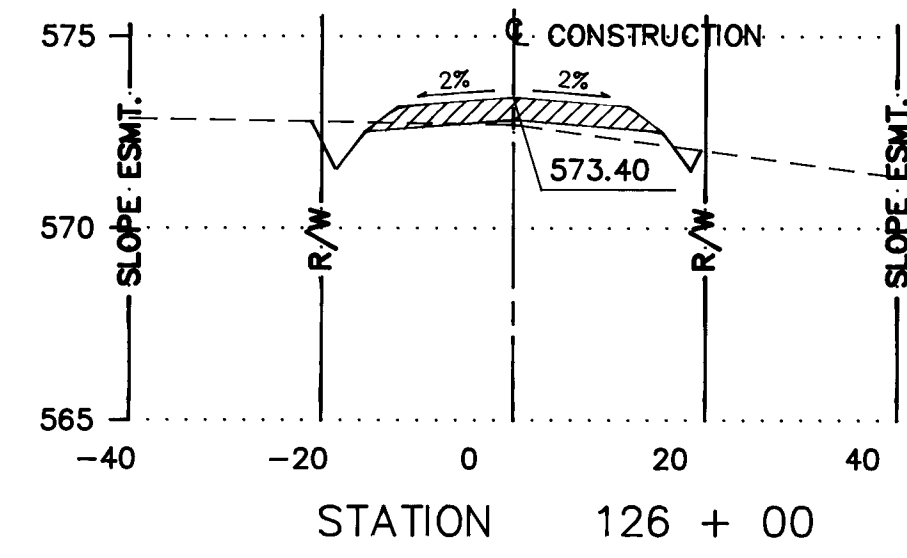
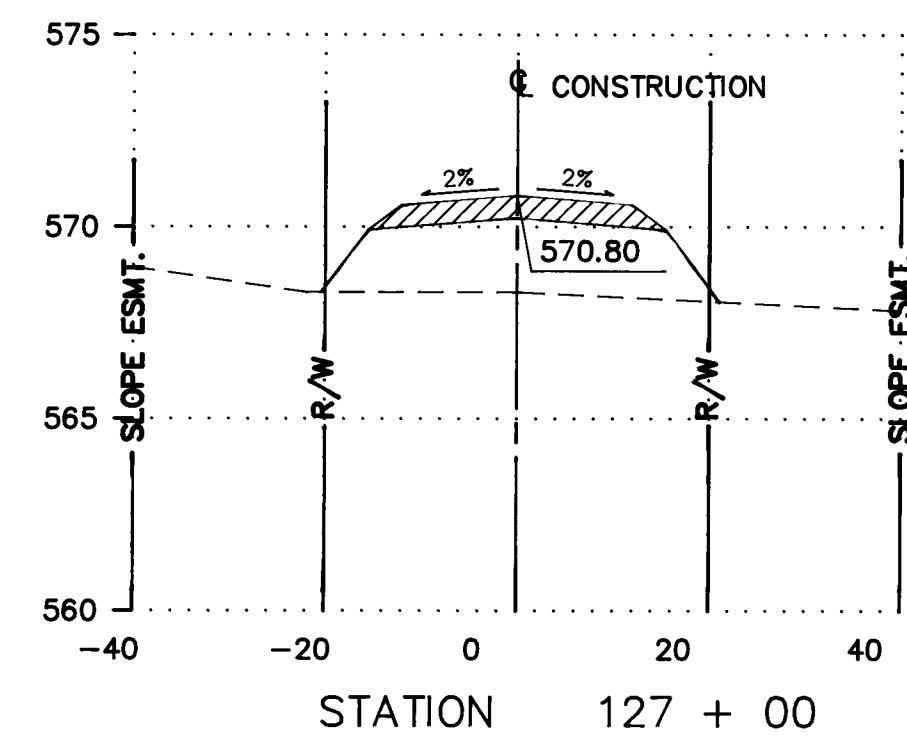
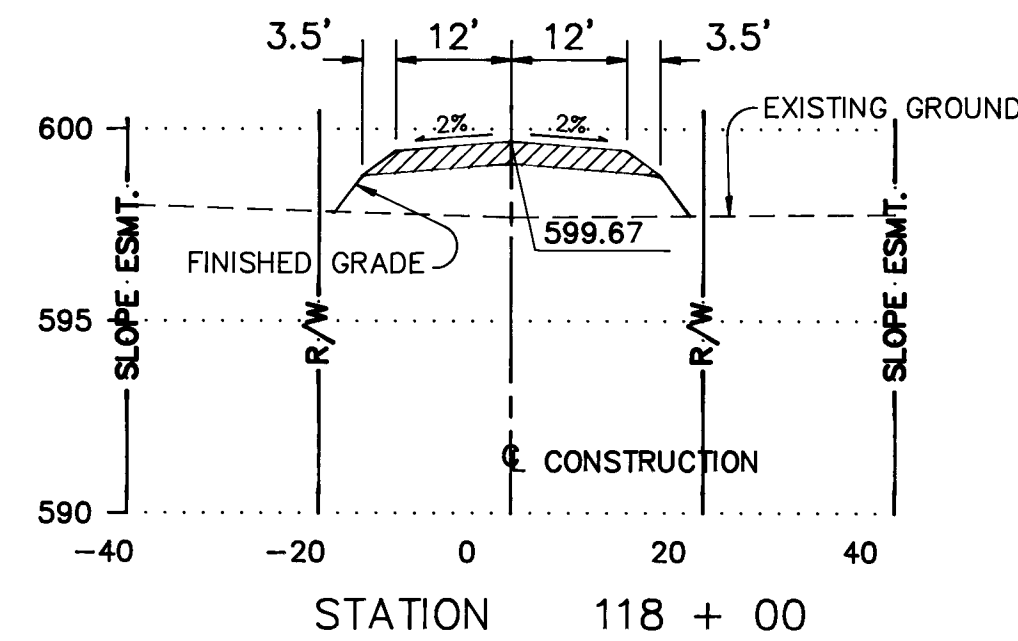
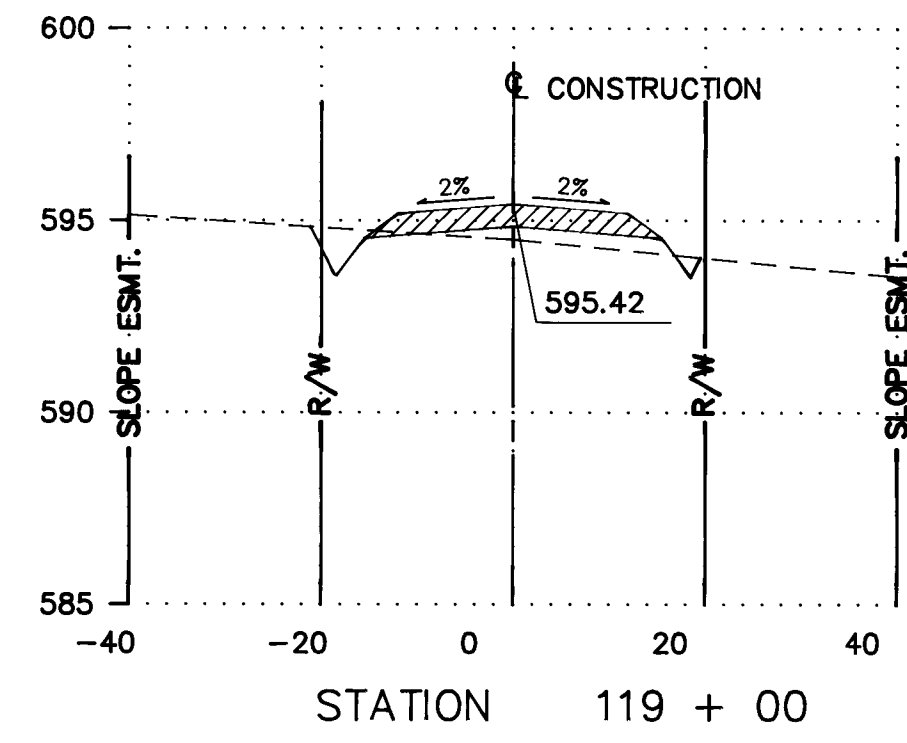
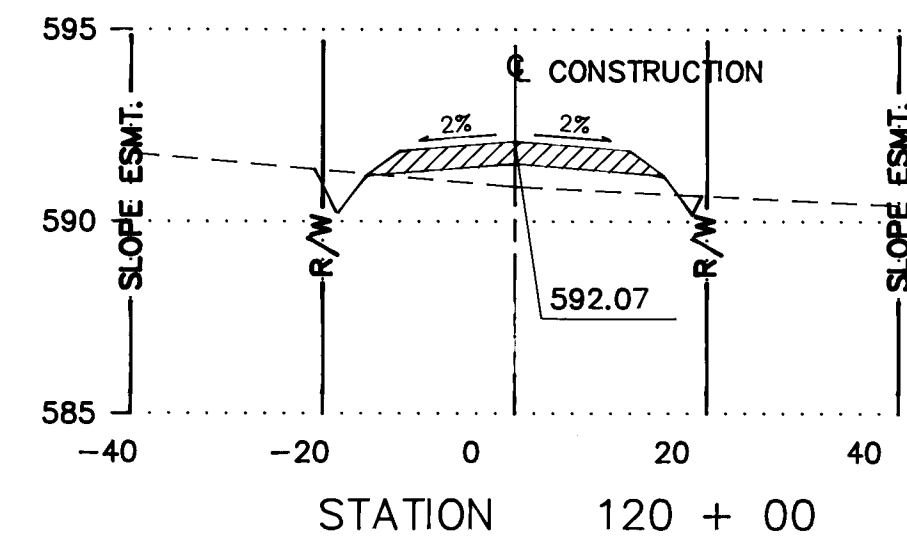
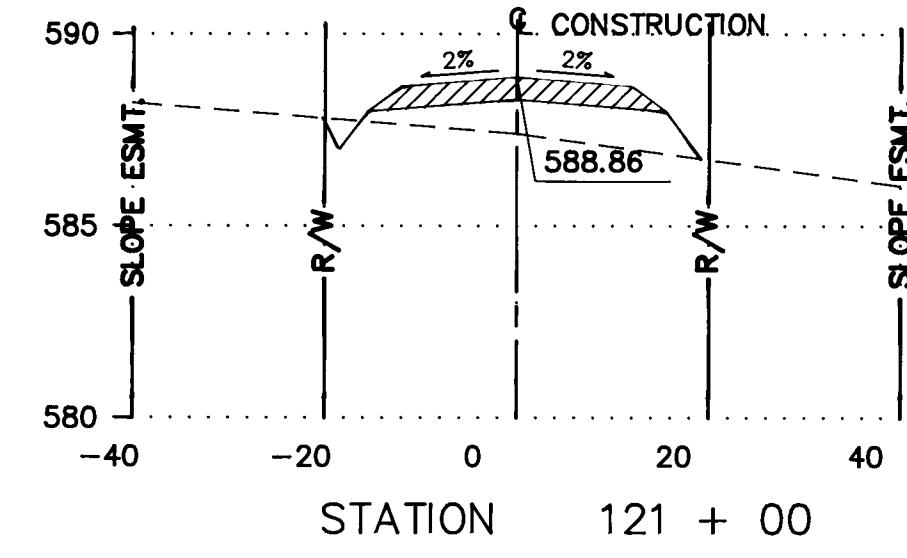
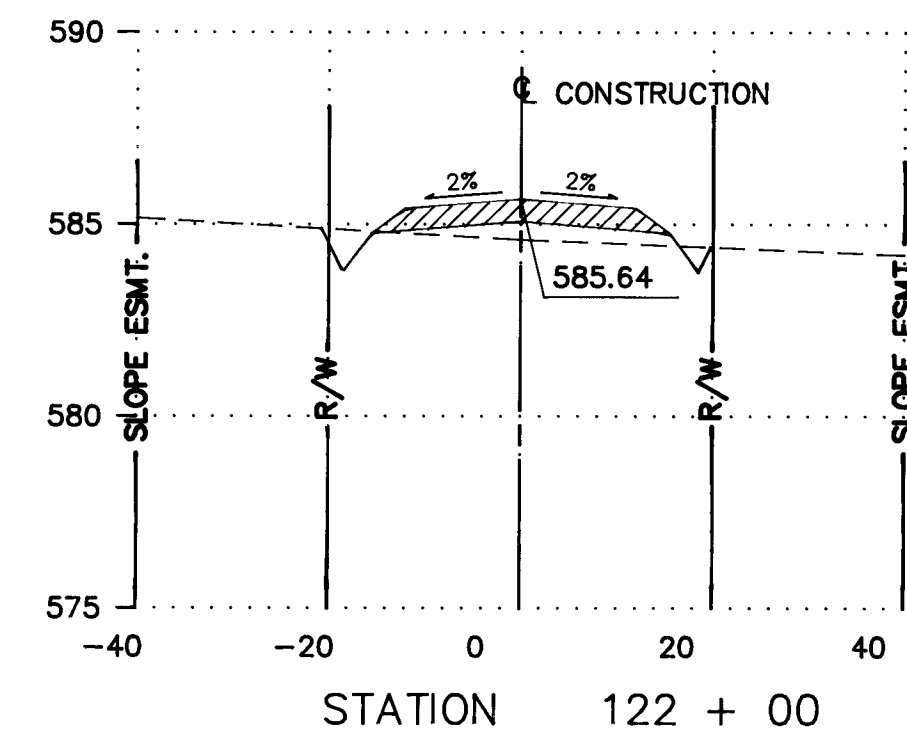
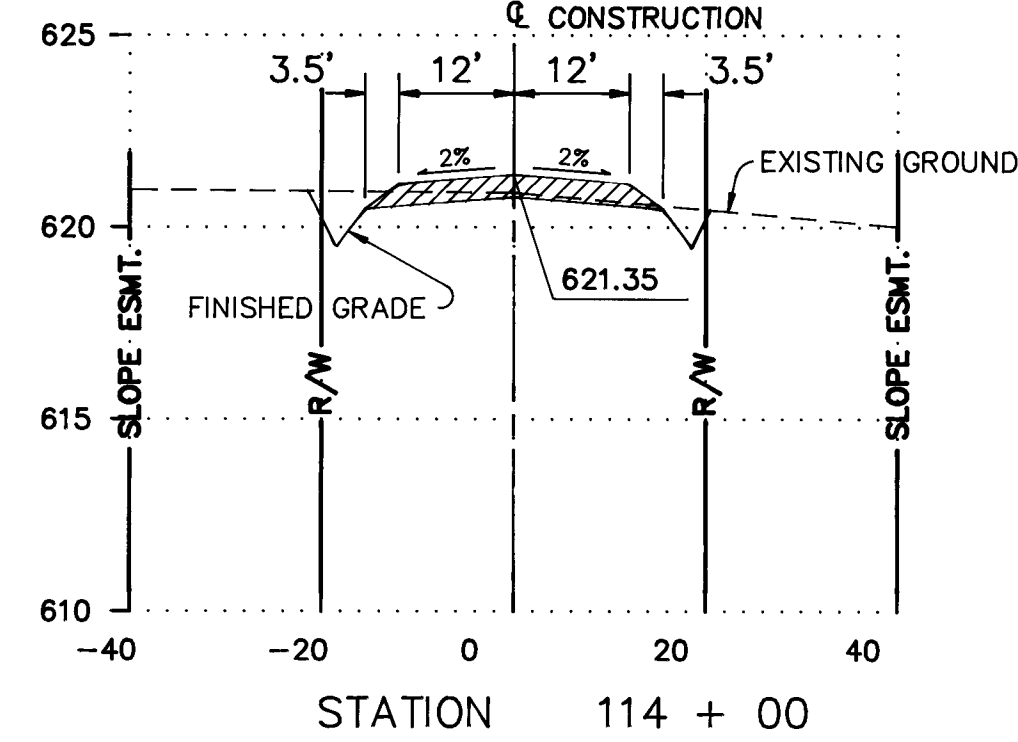
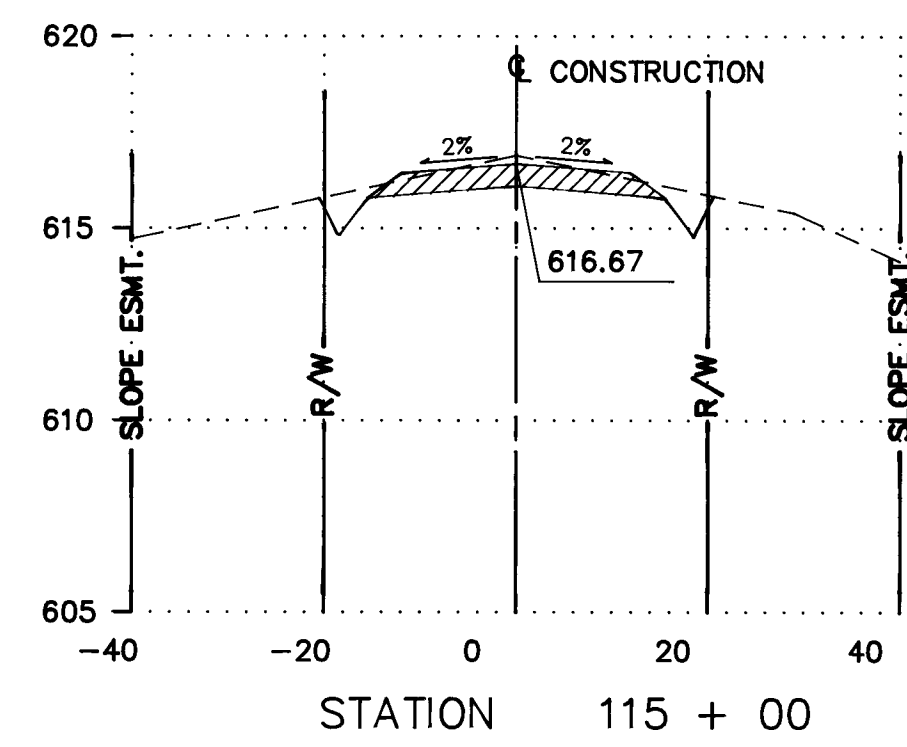
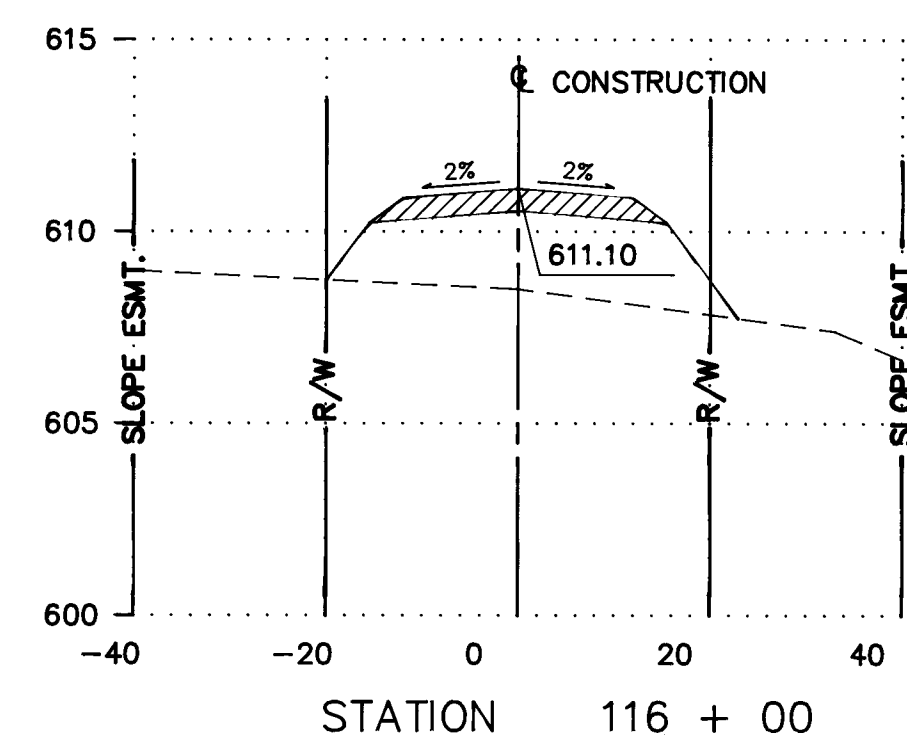
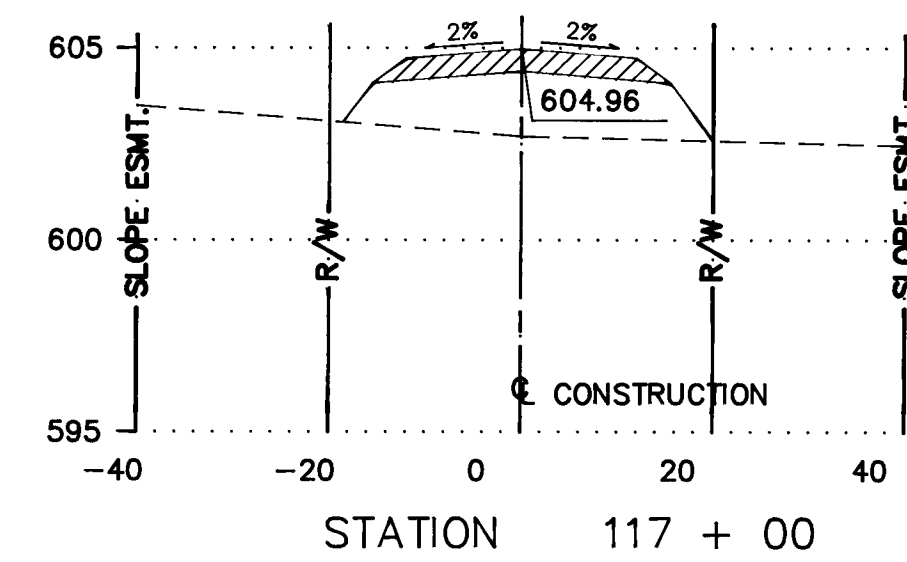
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ROADWAY CROSS SECTIONS
STATION 91 + 00 TO STATION 113 + 00
PASEO DEL NORTE, WEST / PASEO DEL VOLCAN

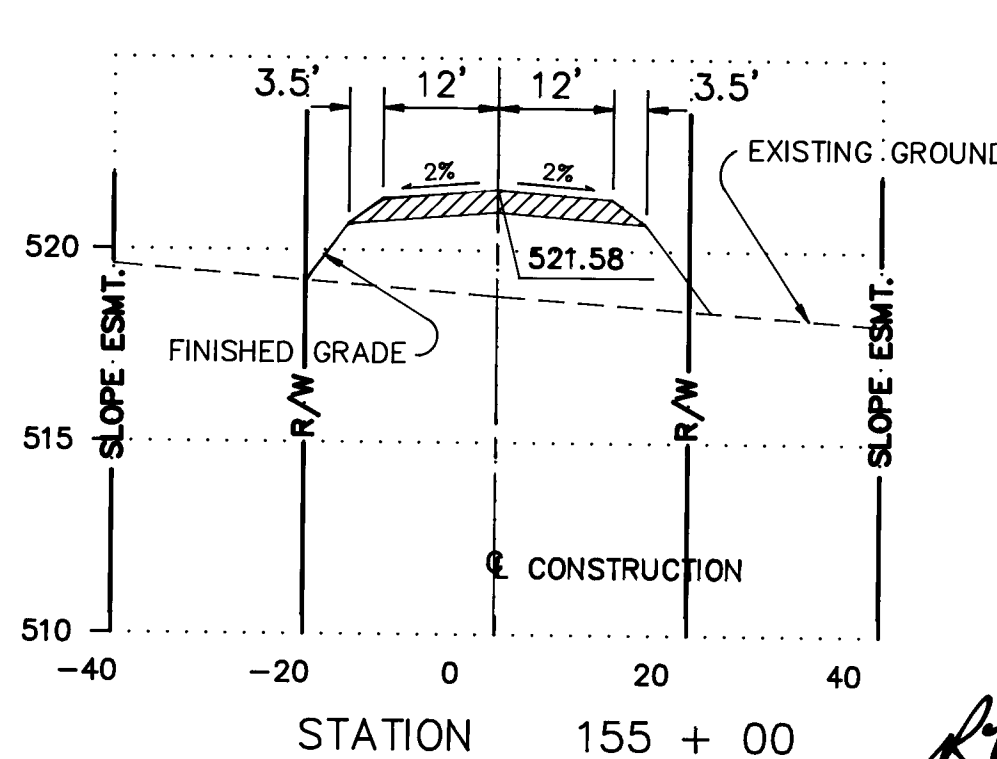
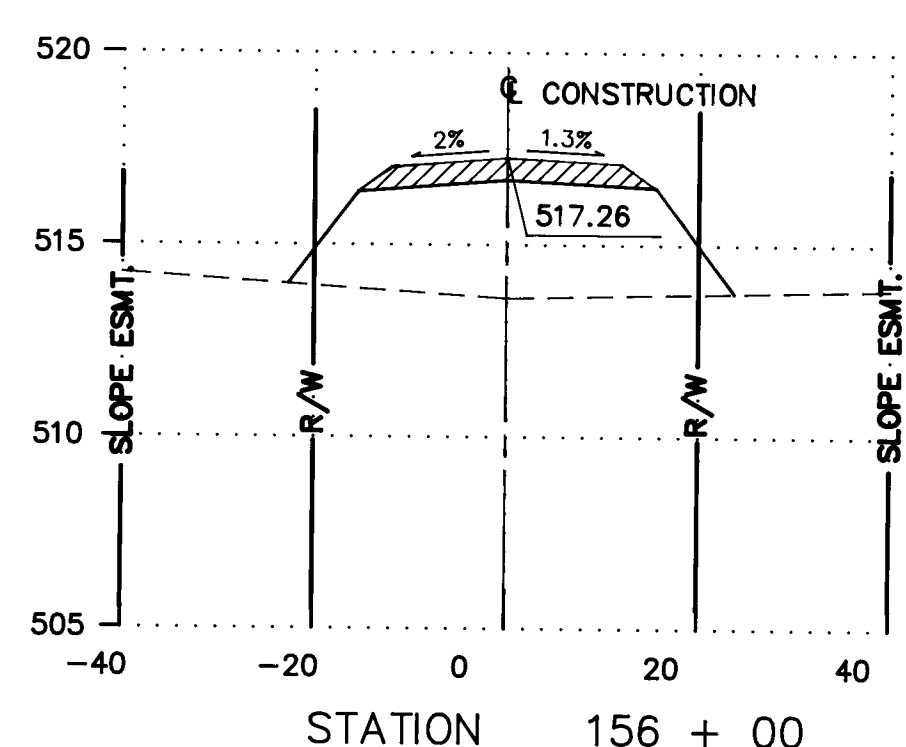
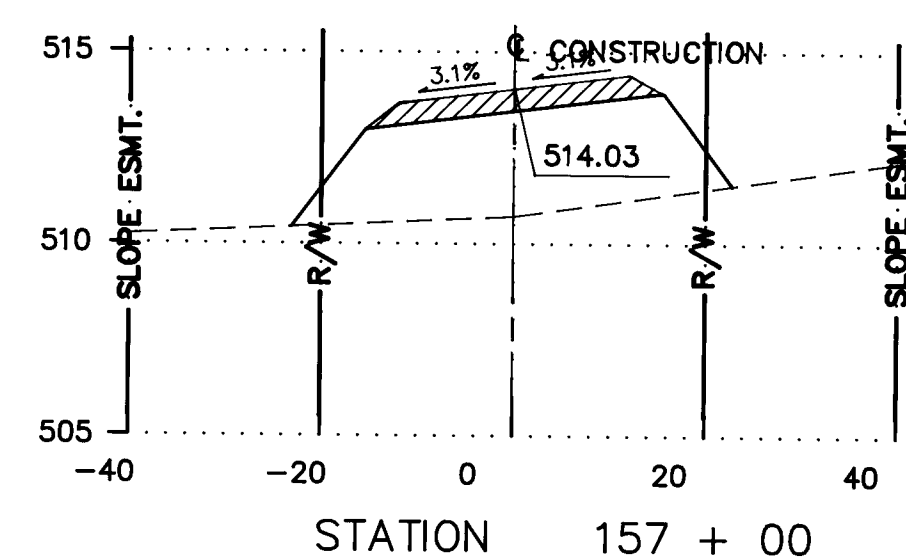
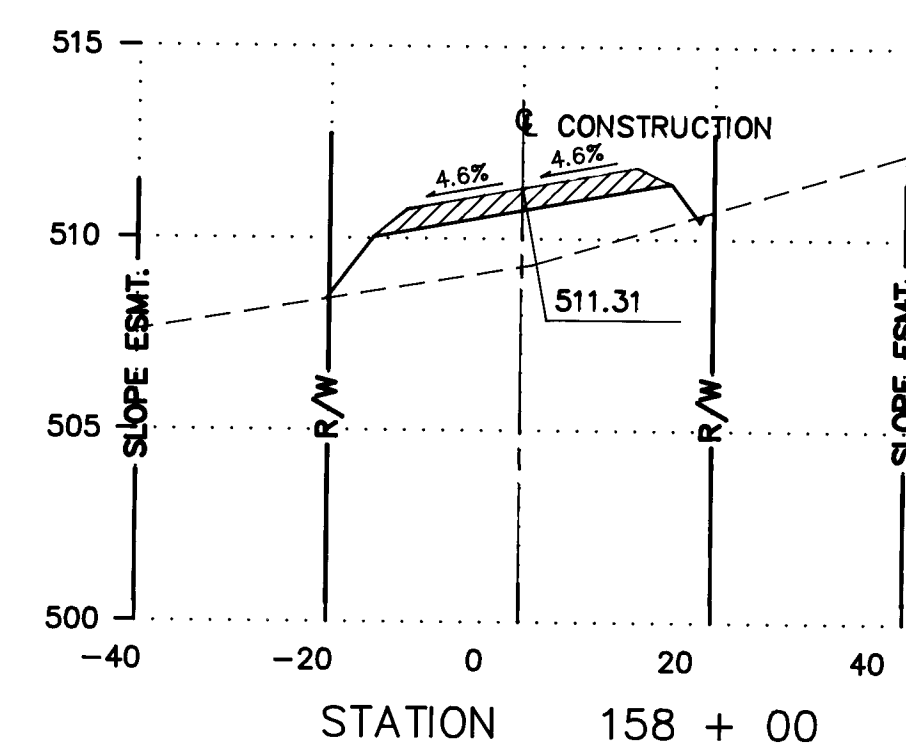
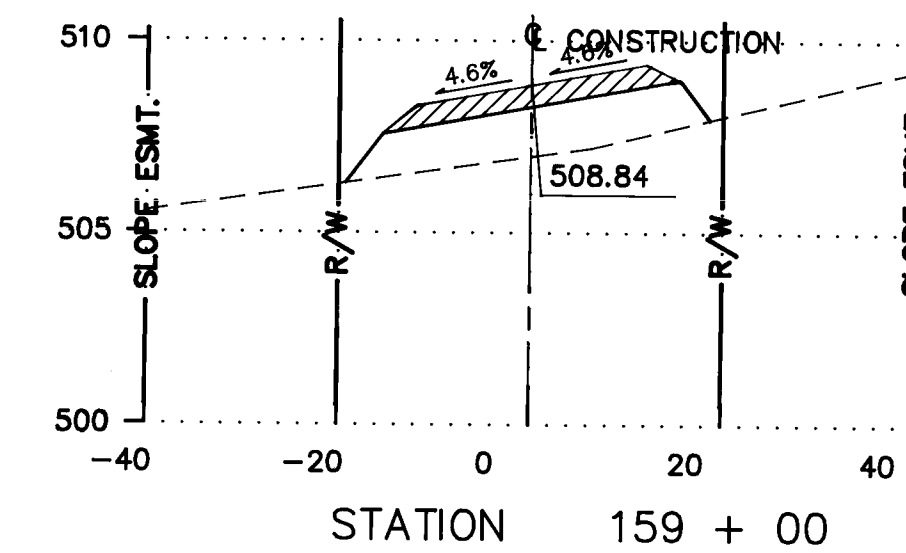
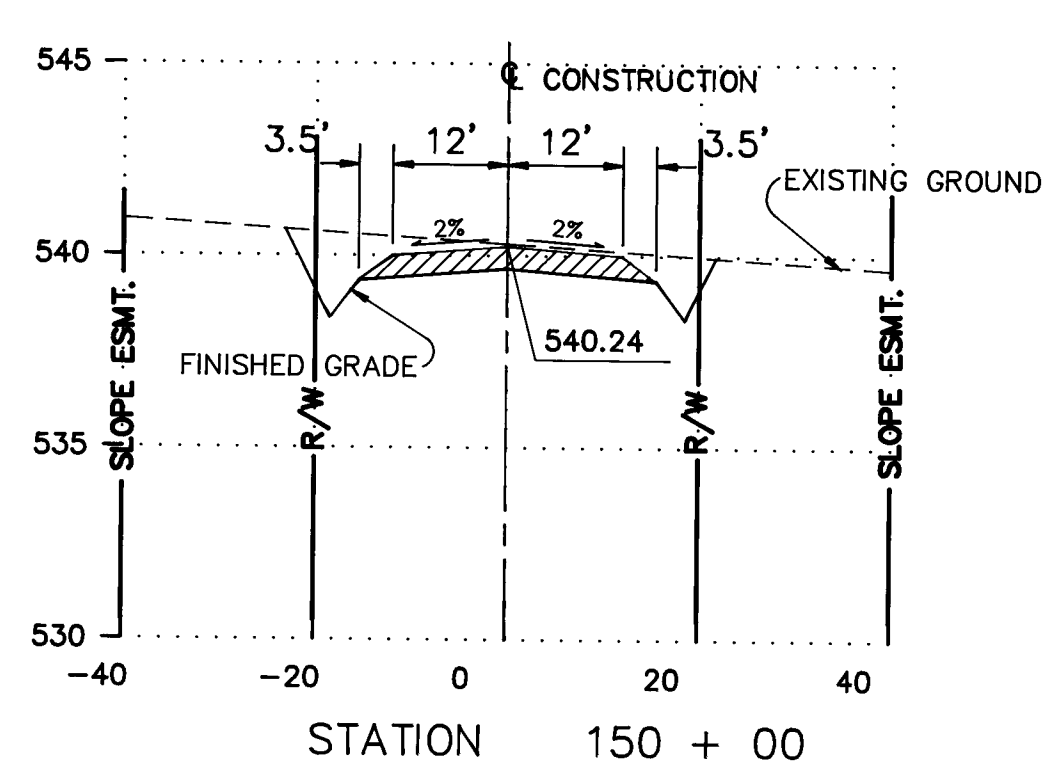
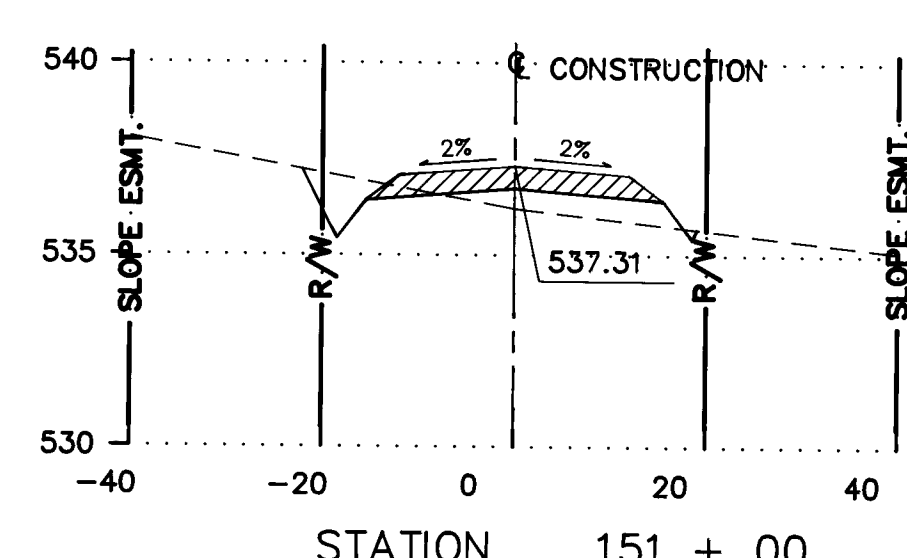
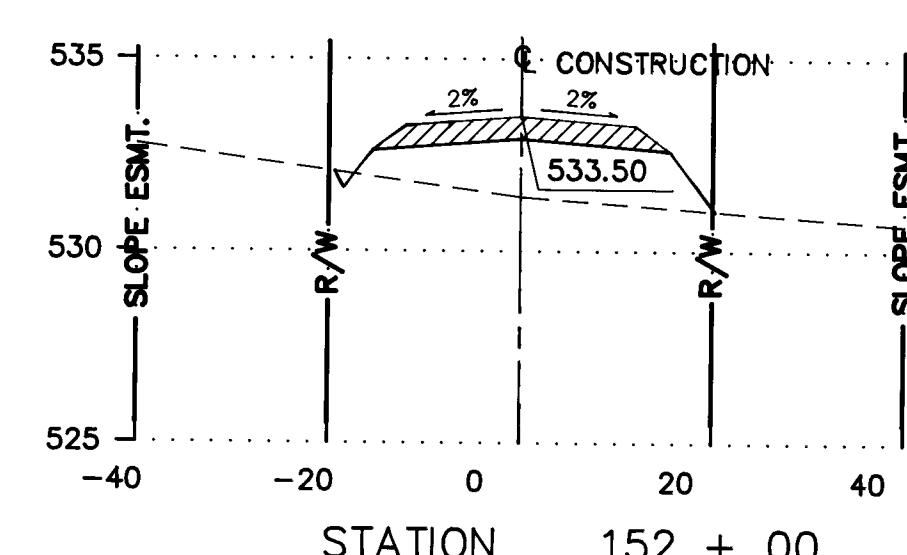
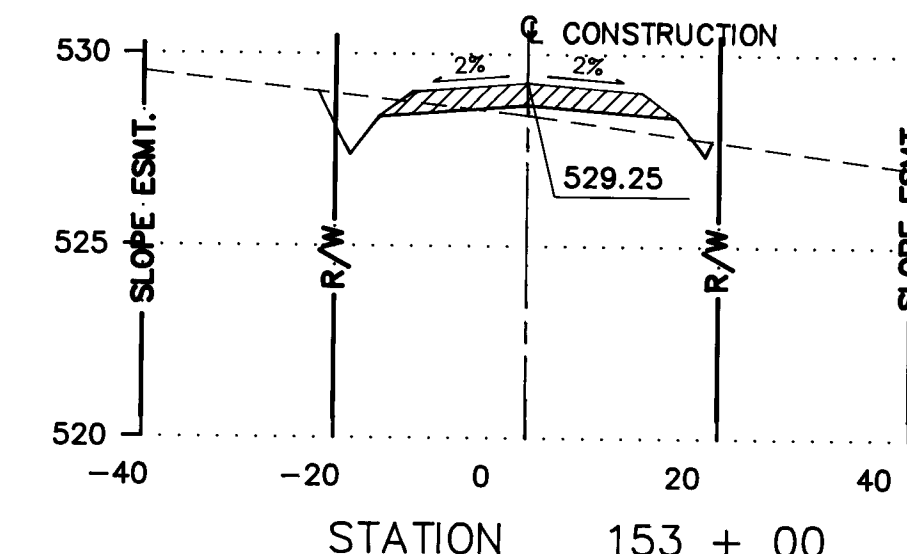
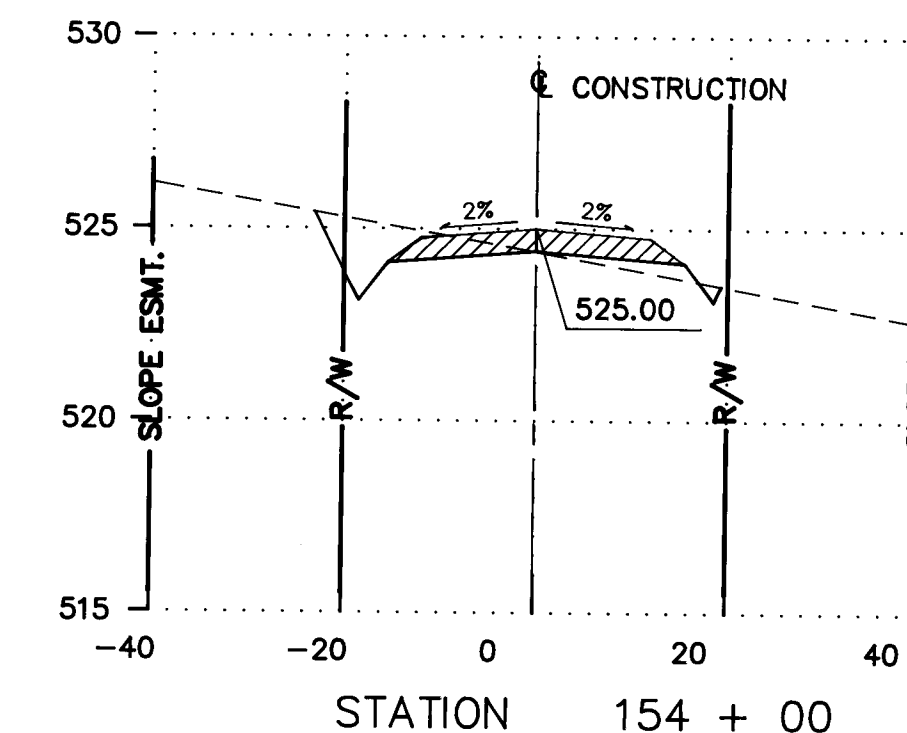
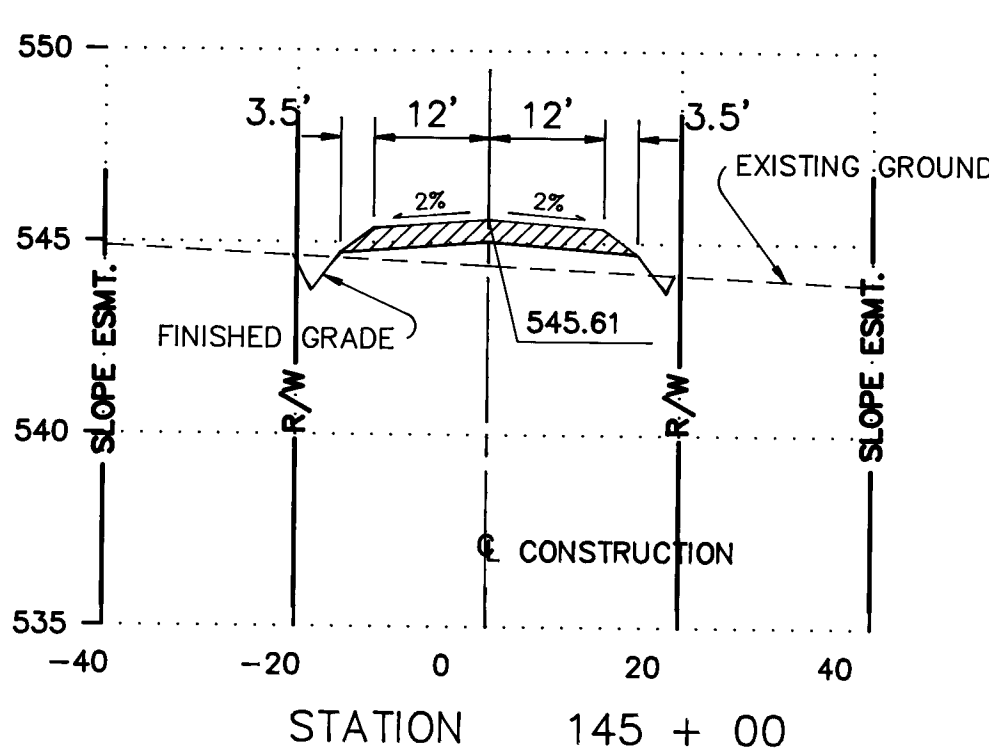
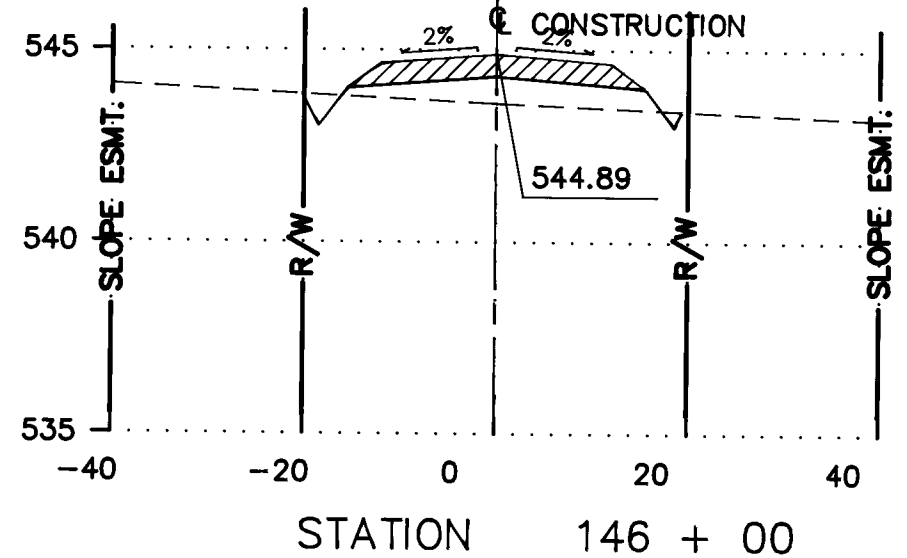
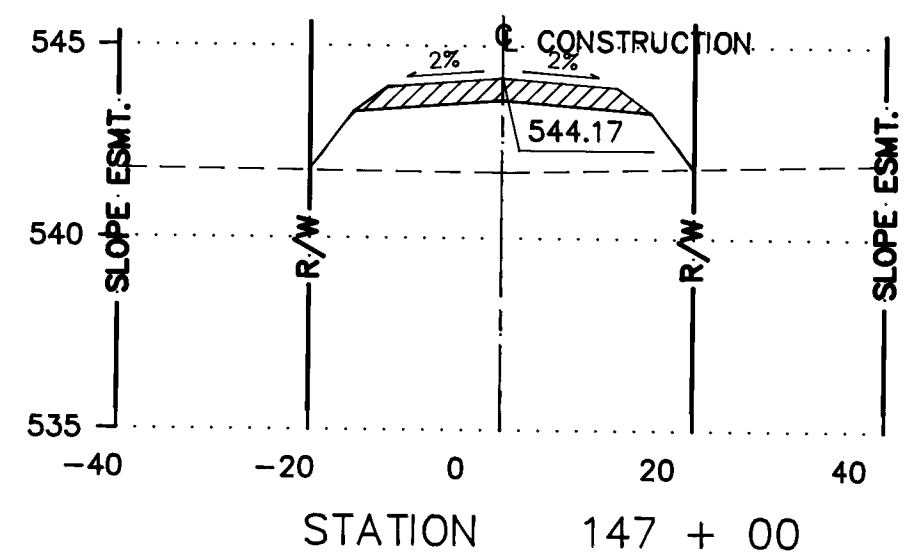
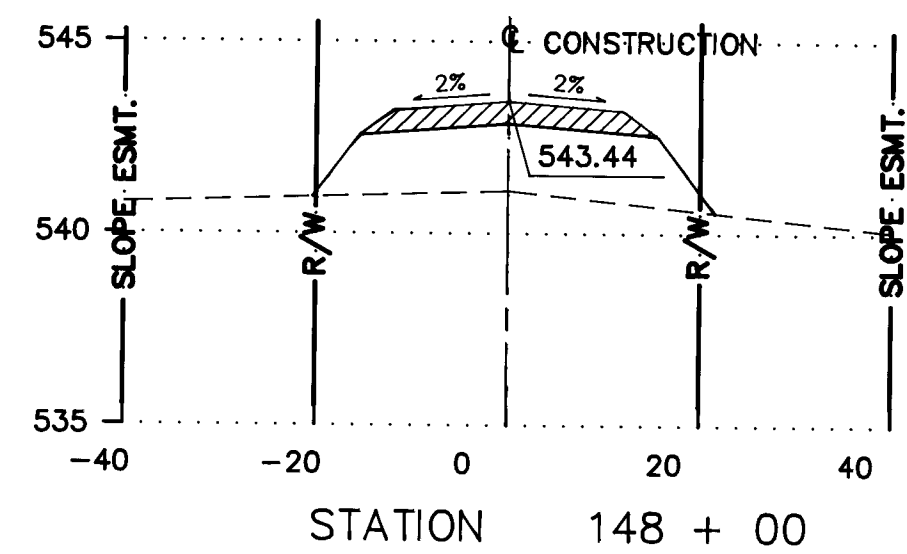
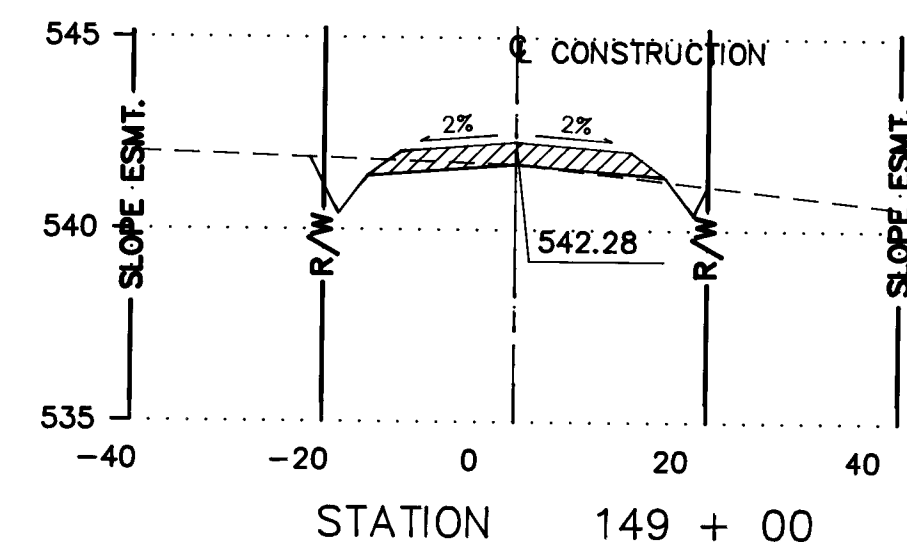
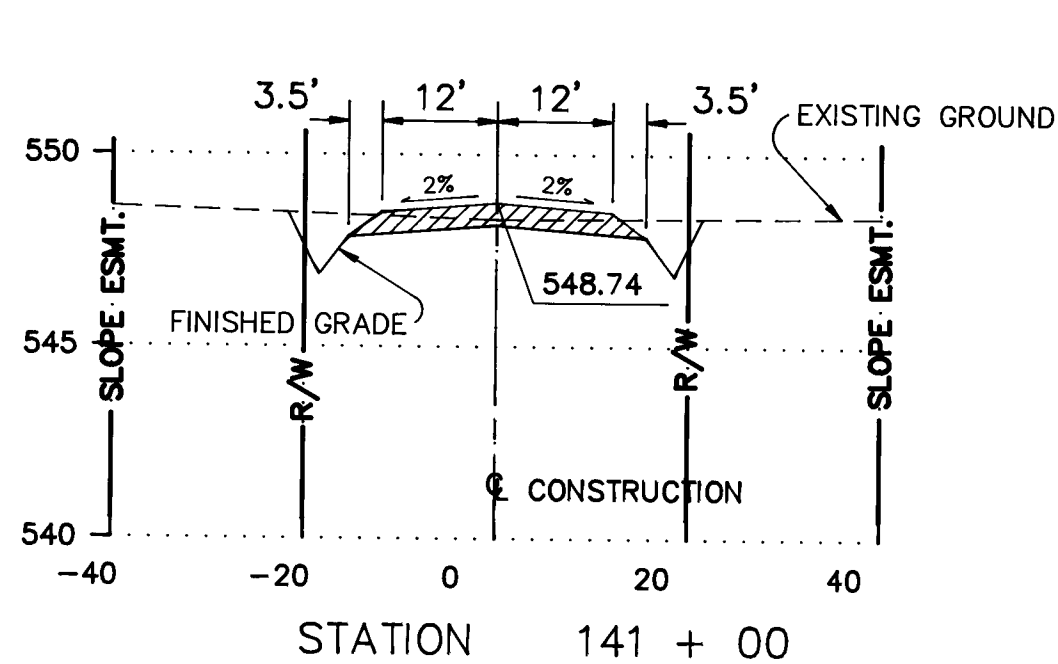
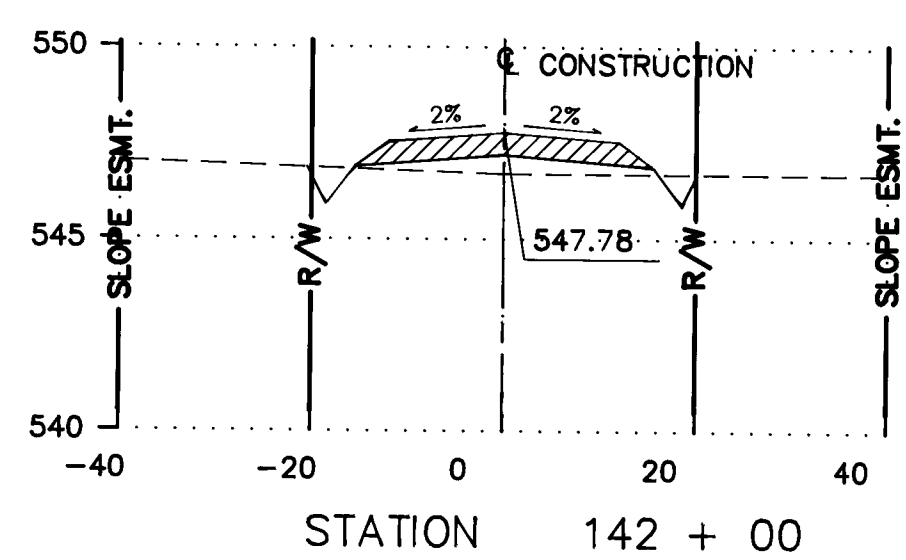
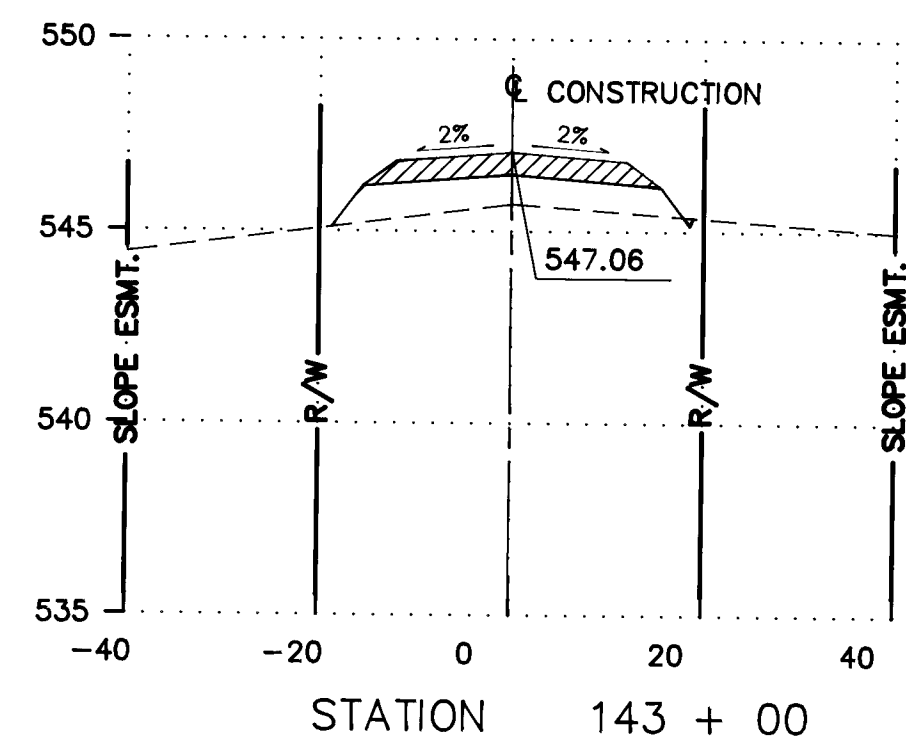
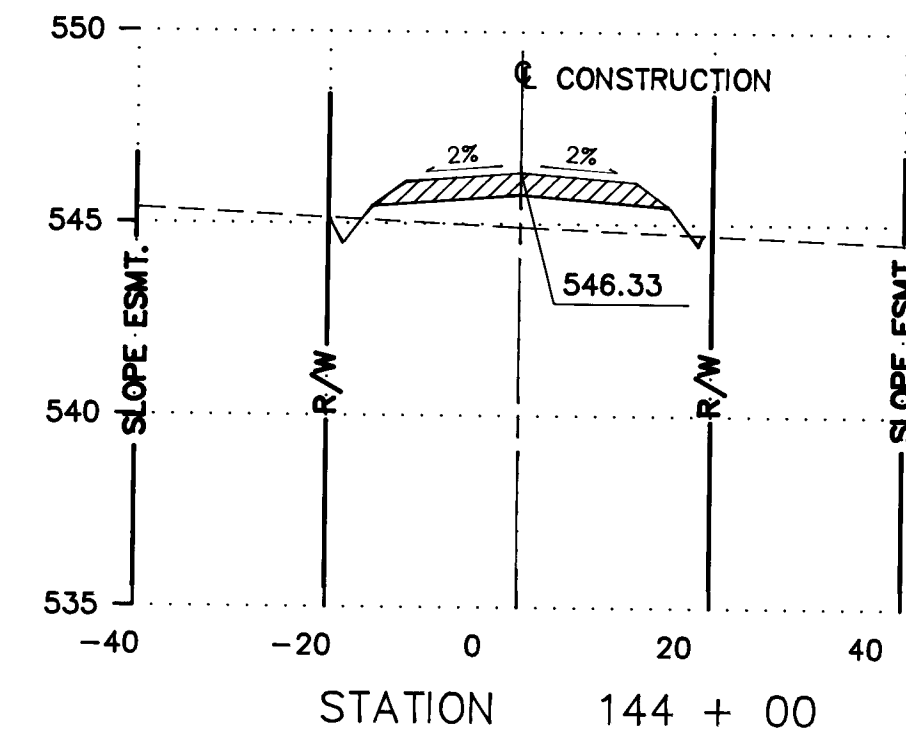
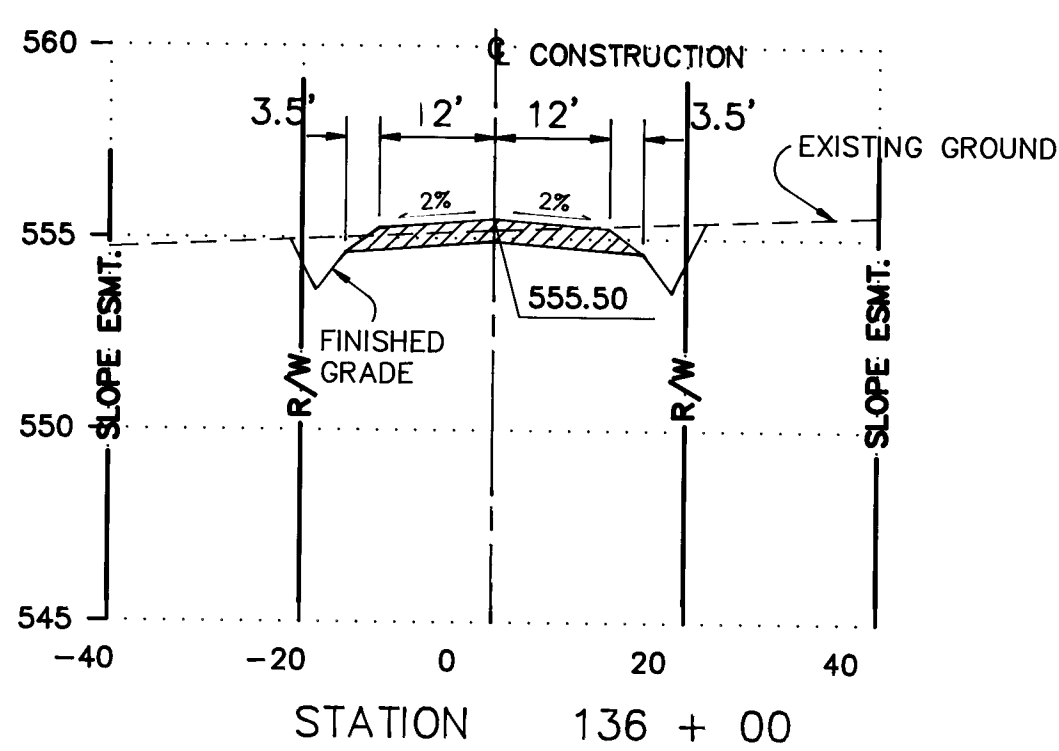
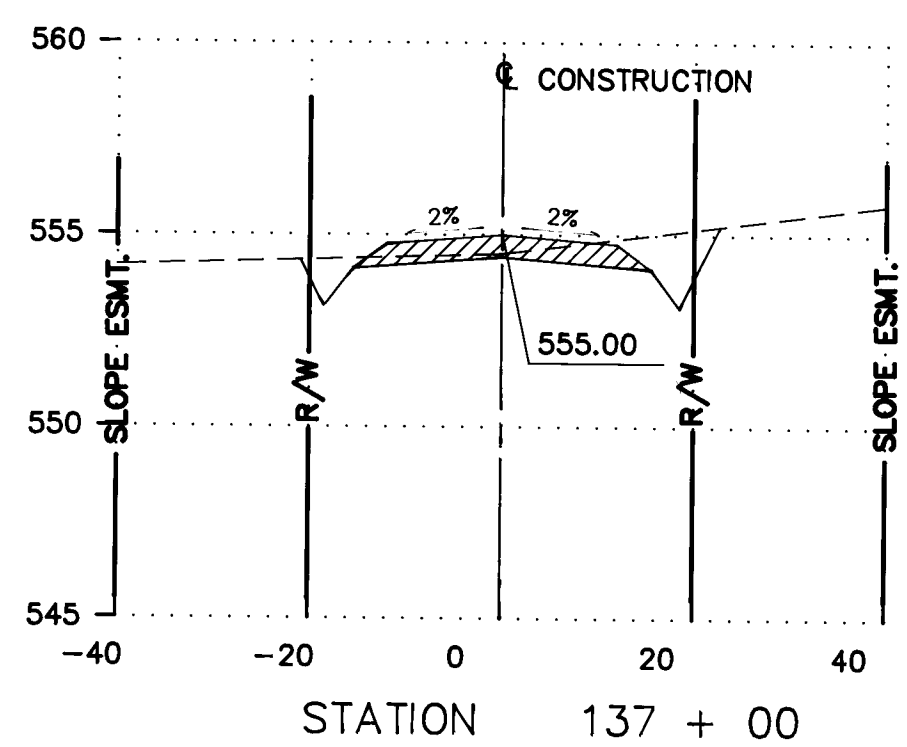
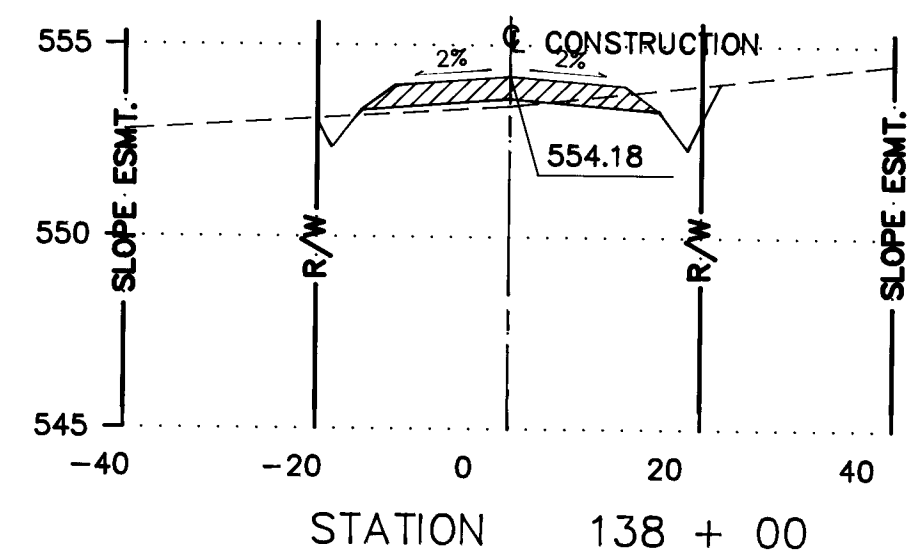
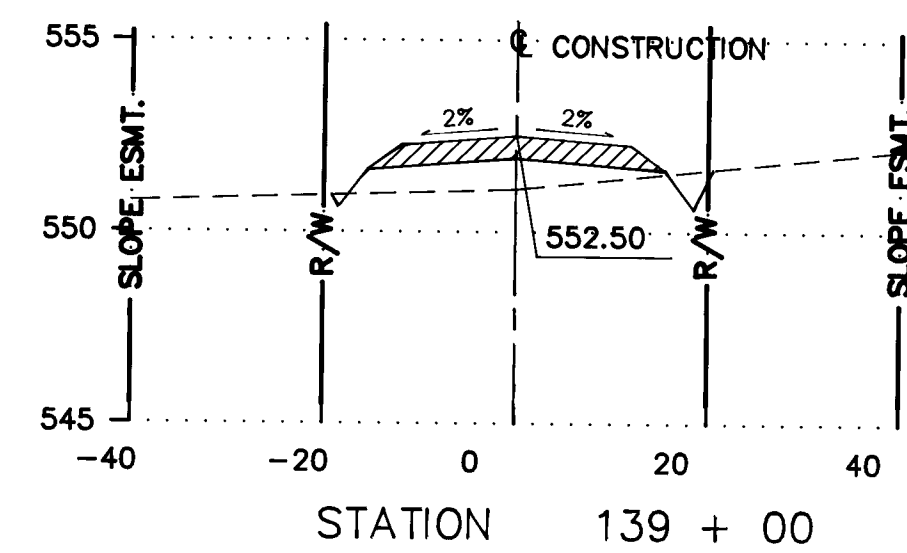
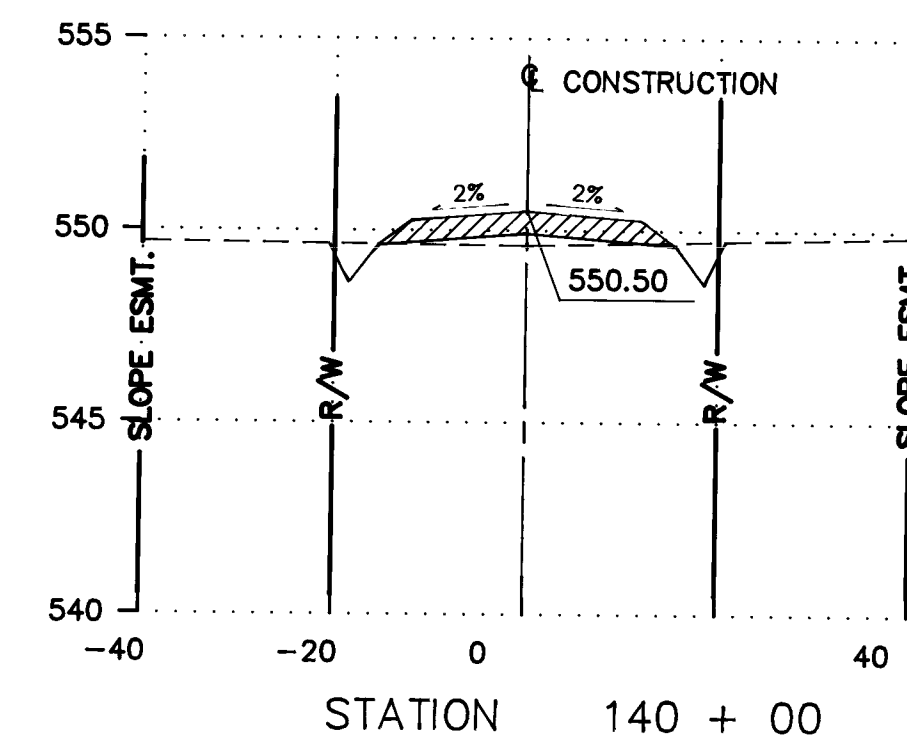




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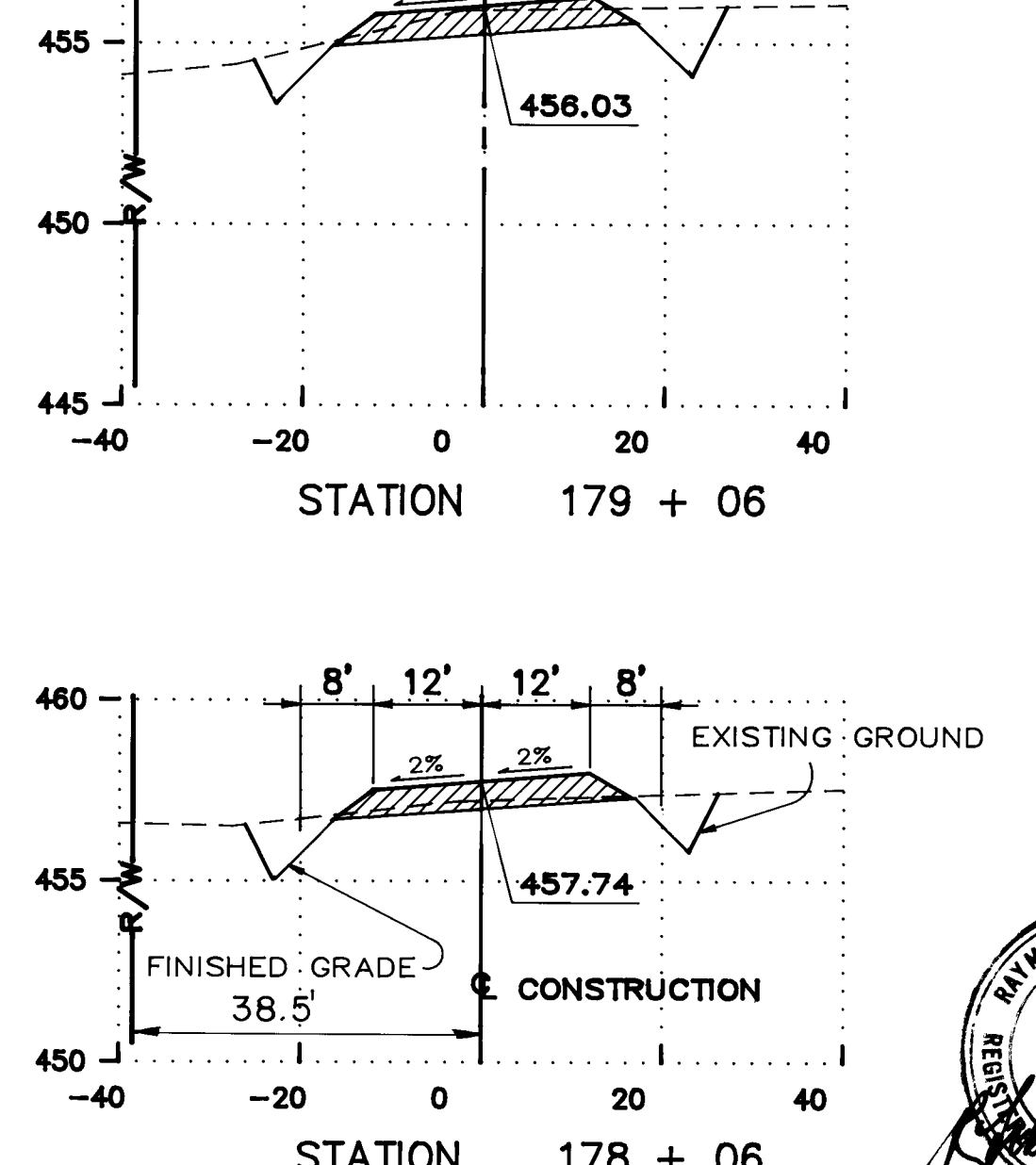
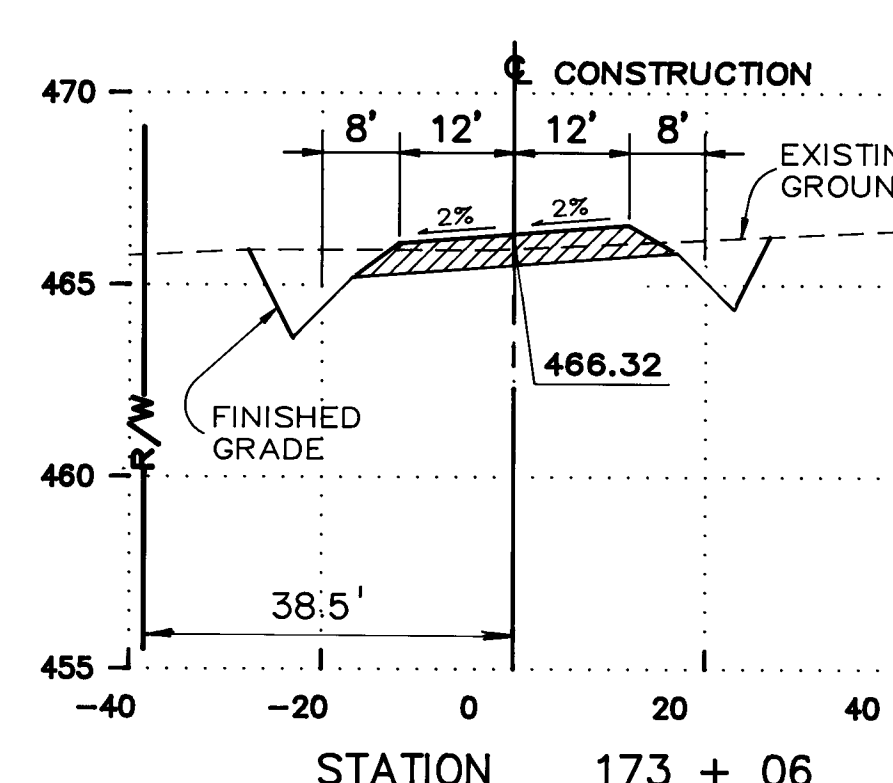
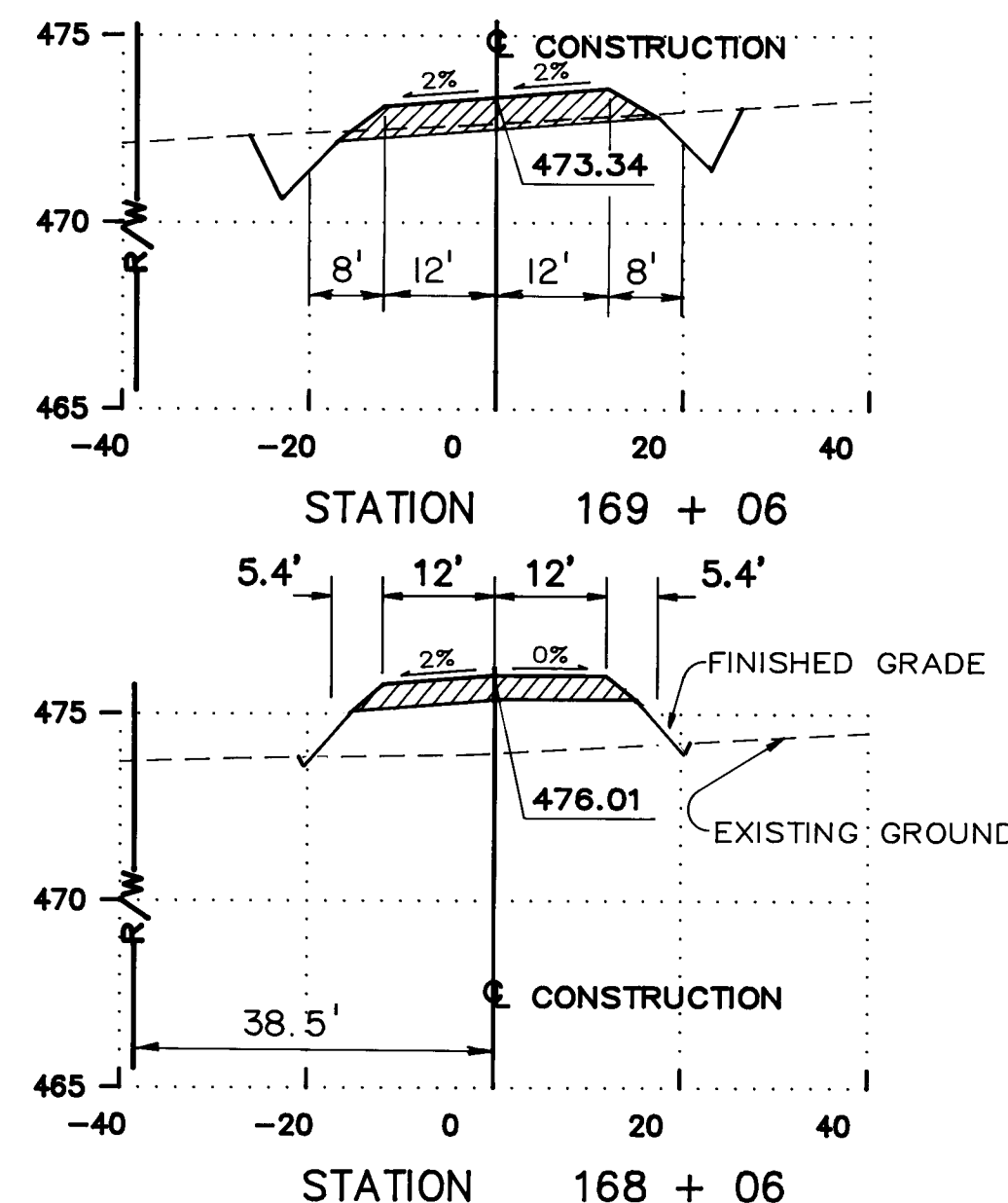
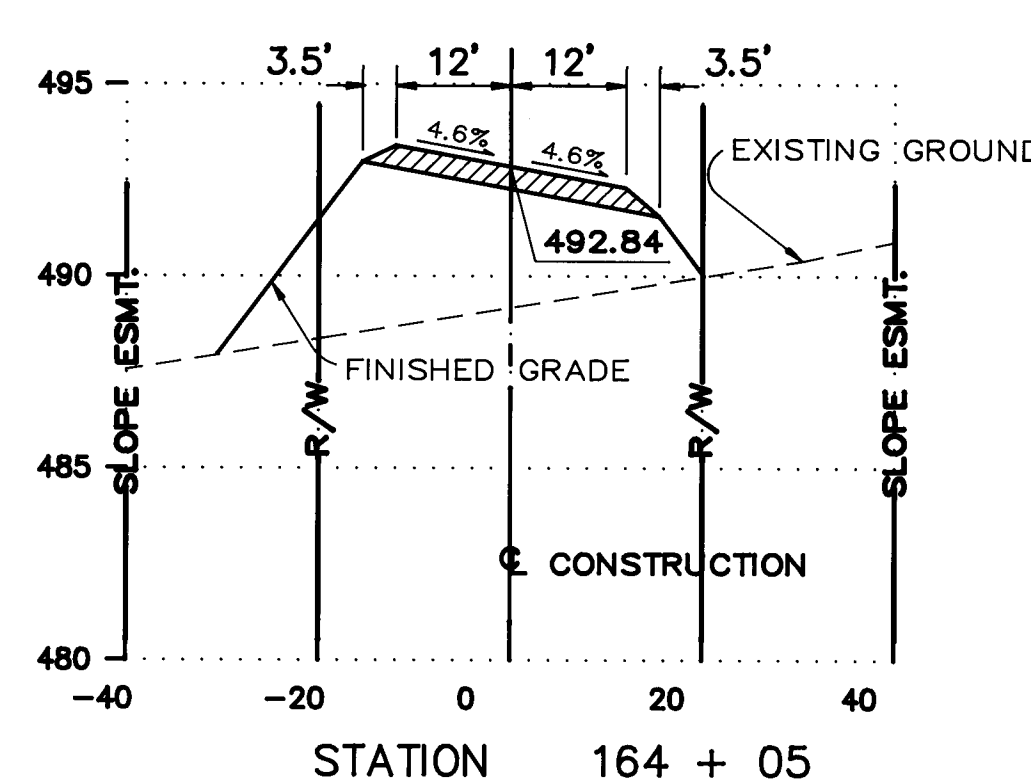
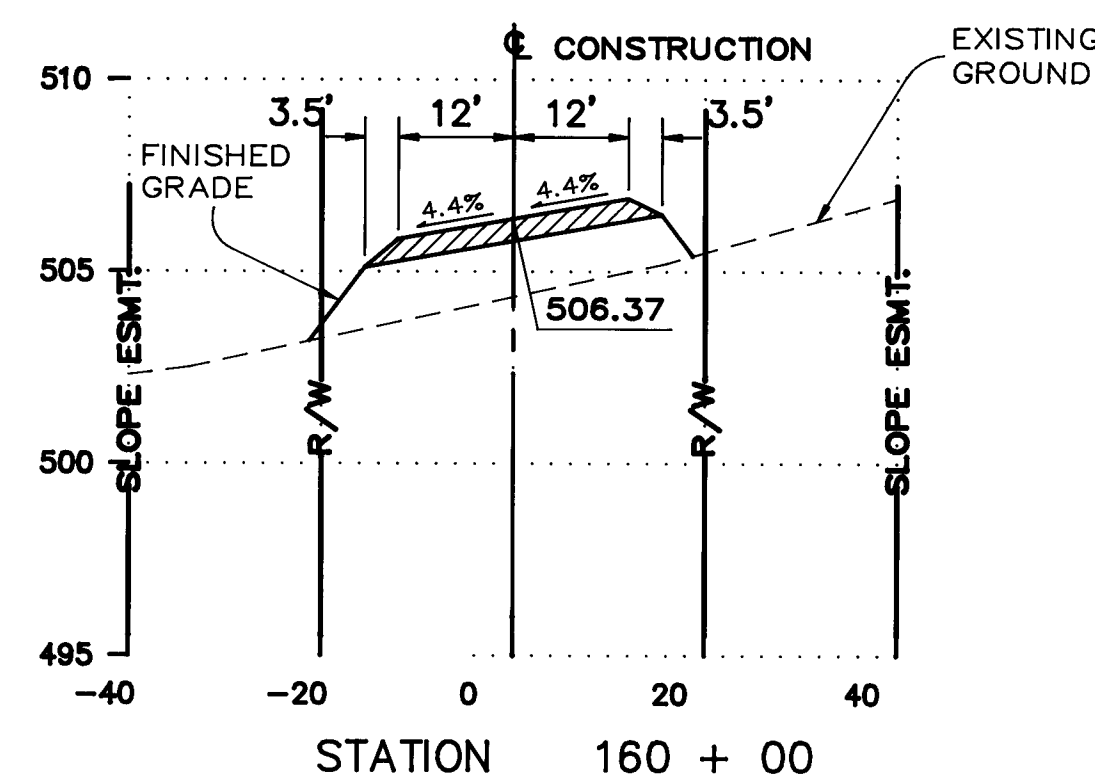
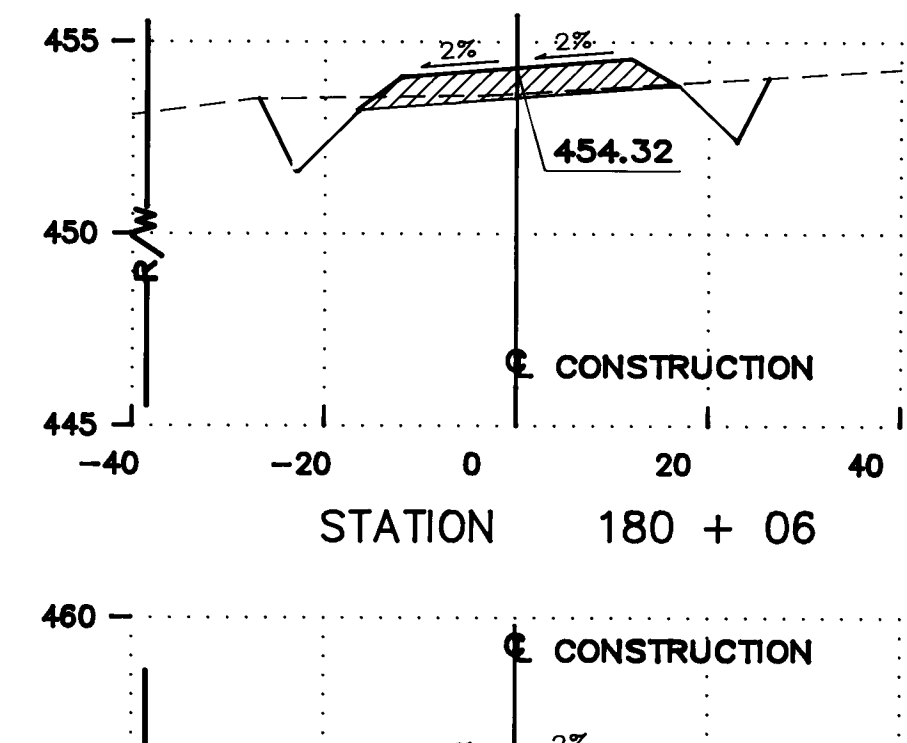
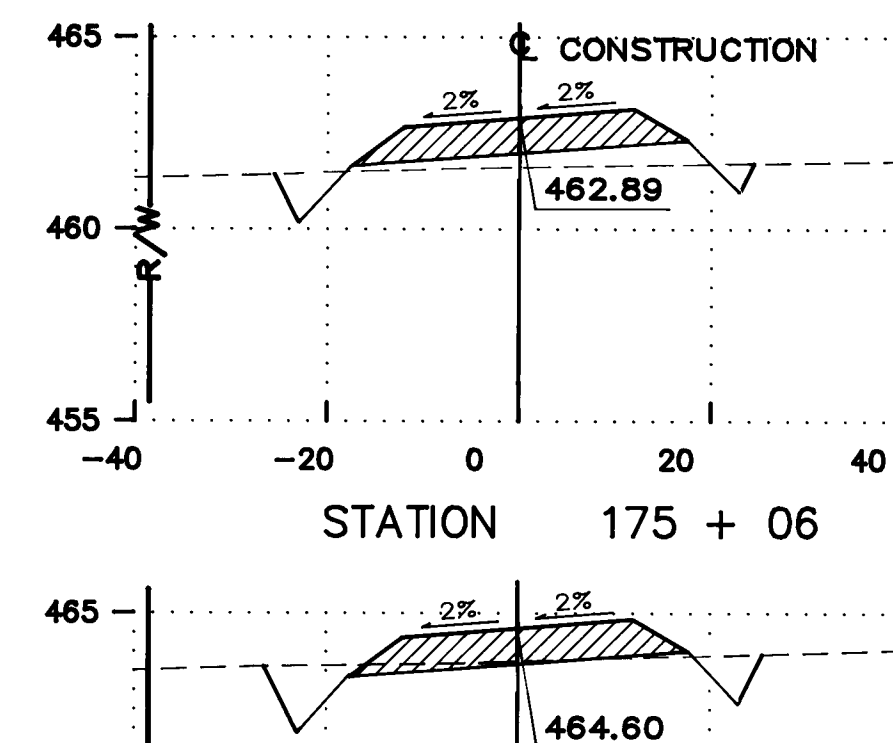
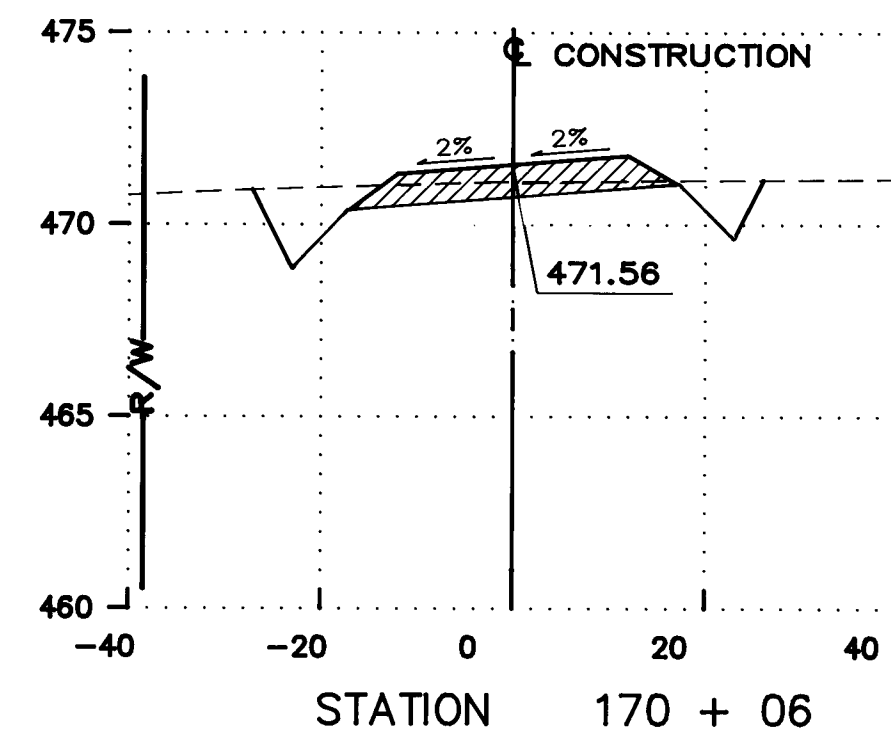
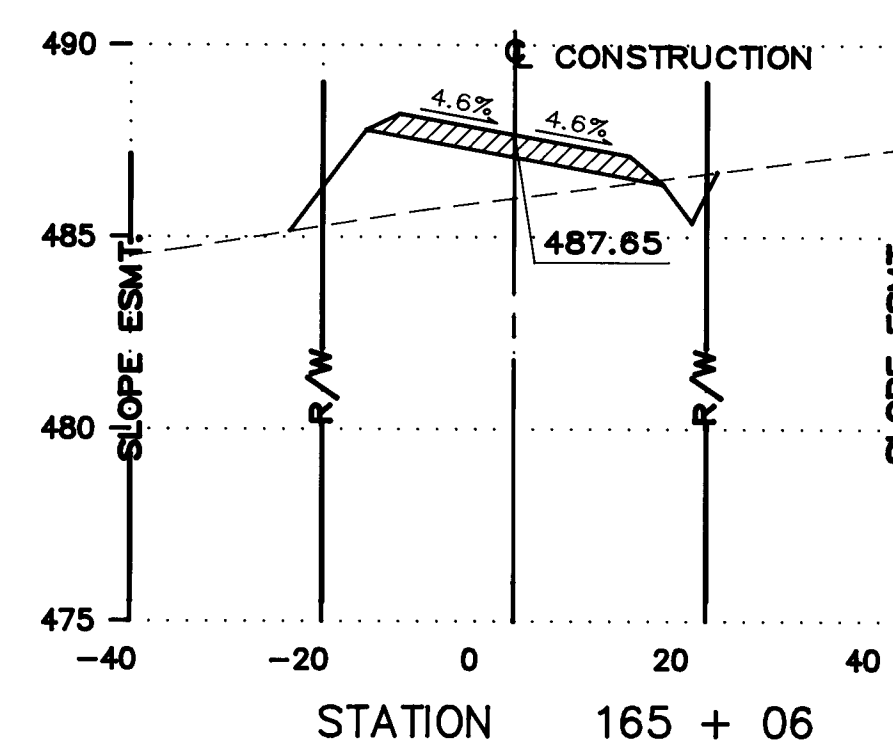
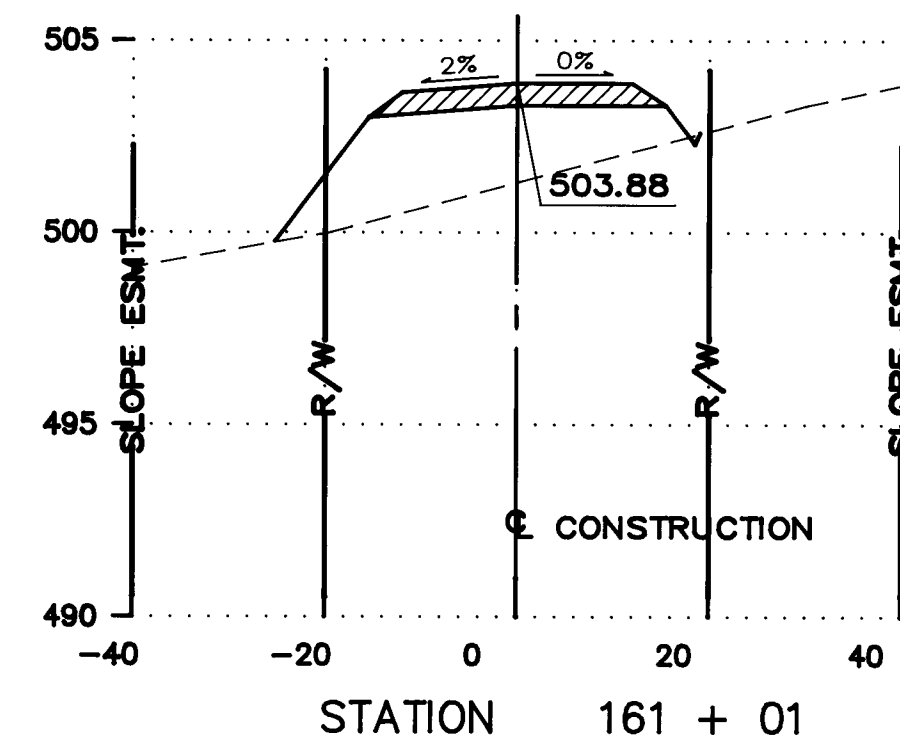
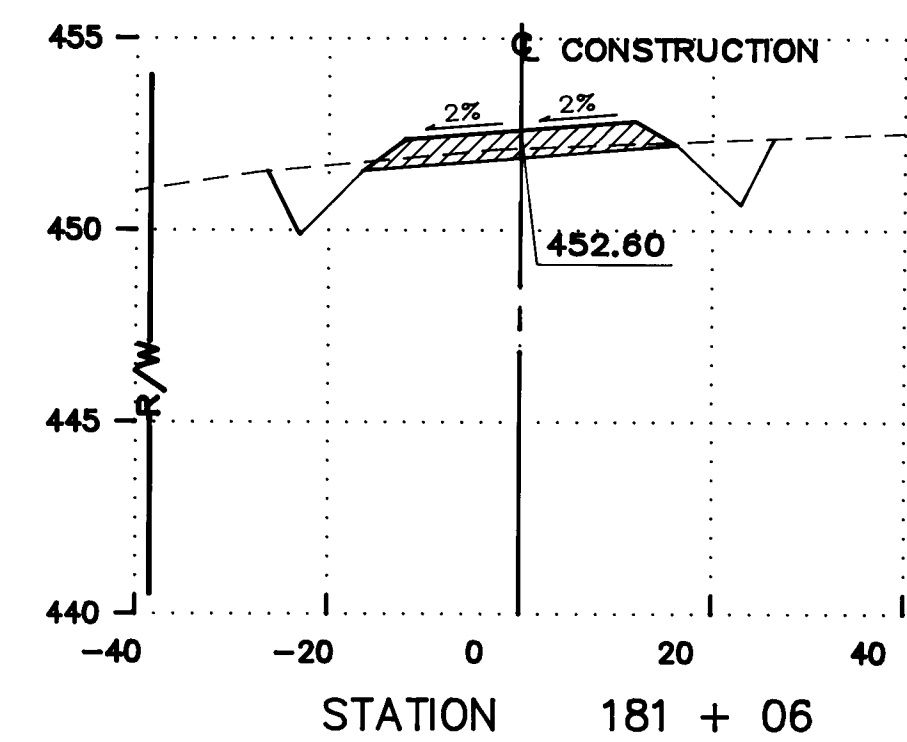
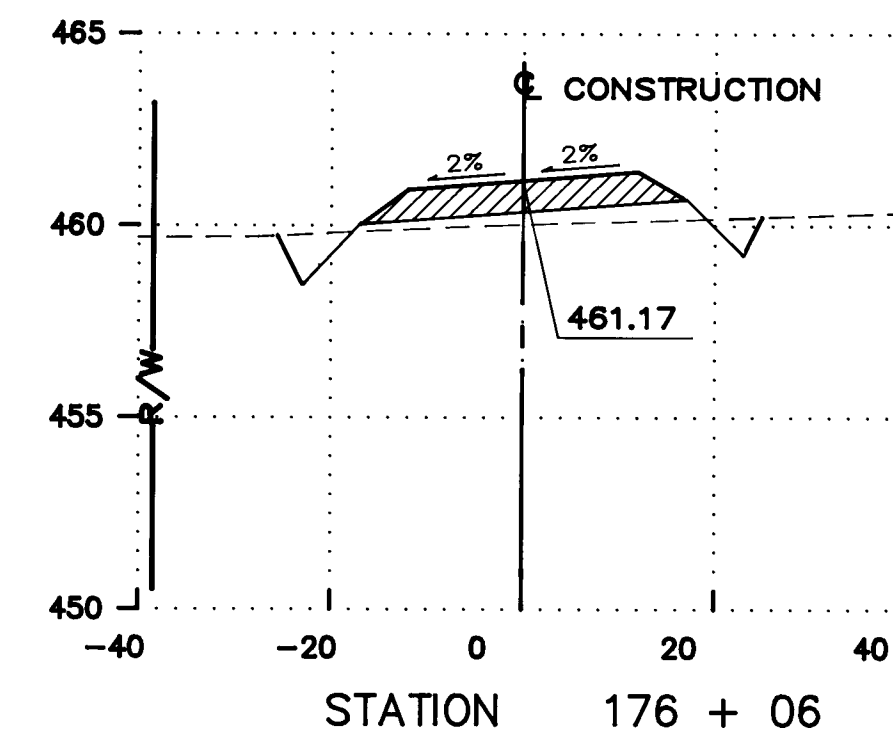
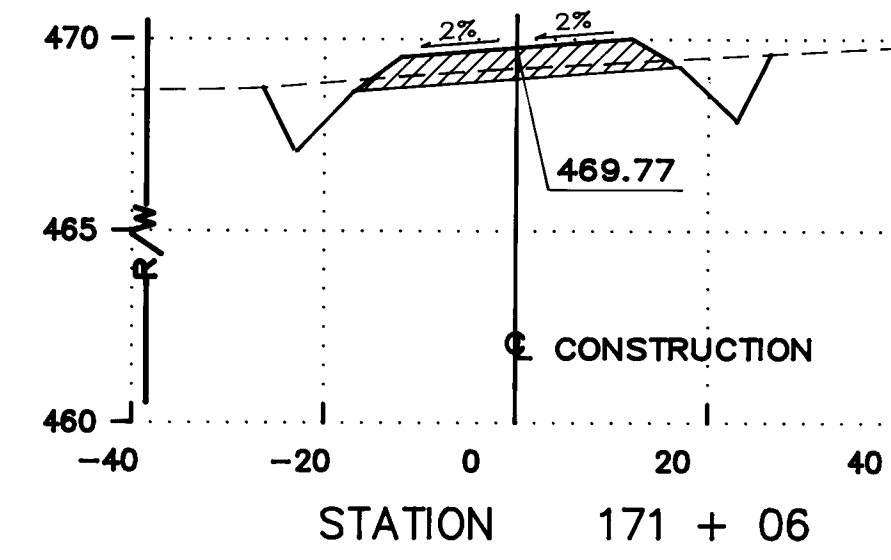
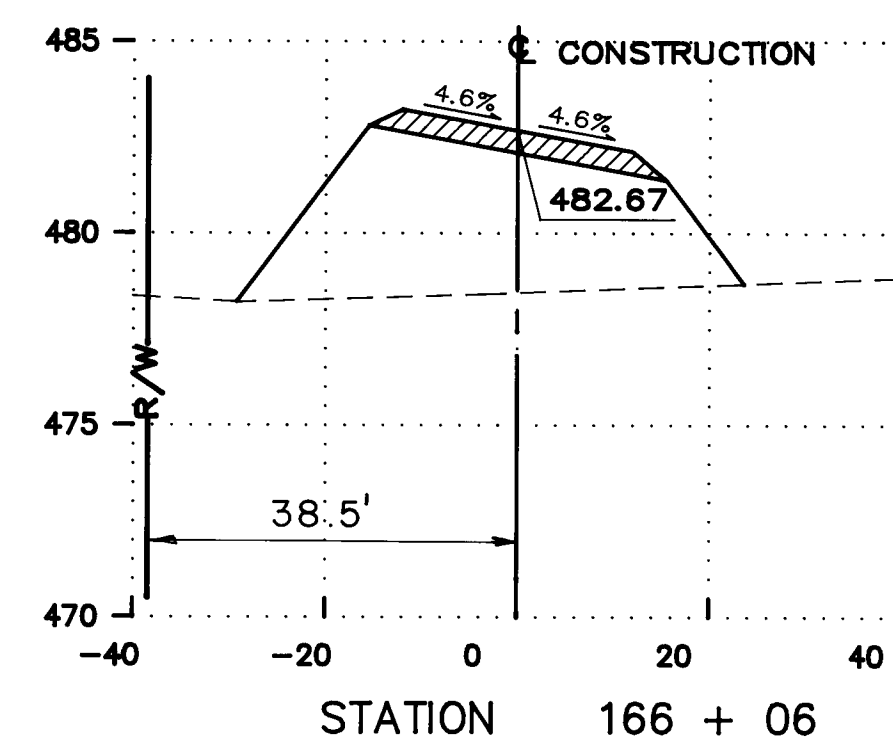
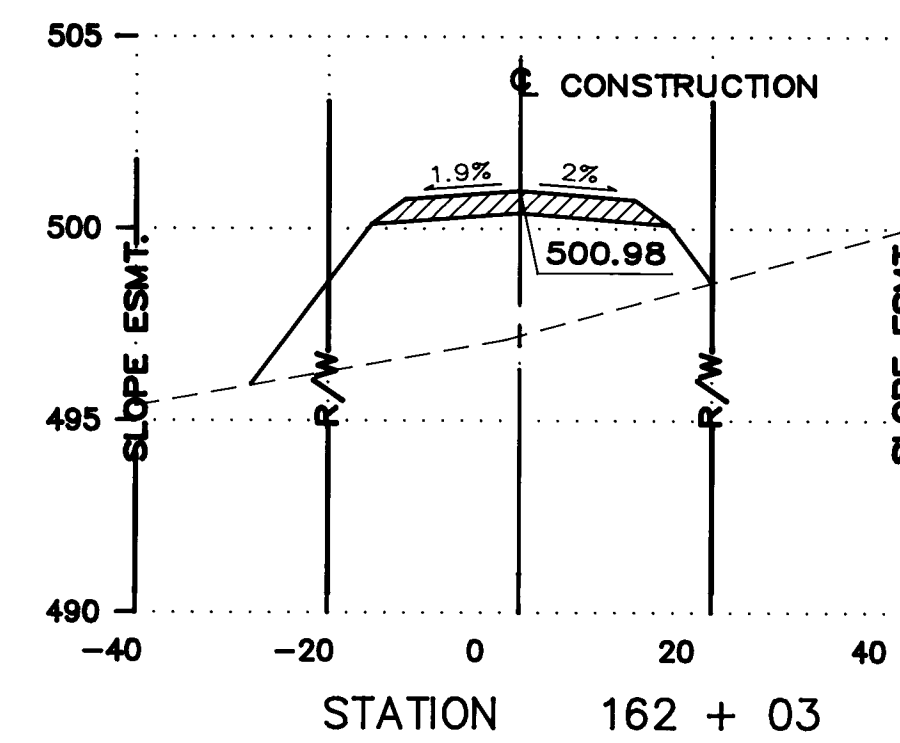
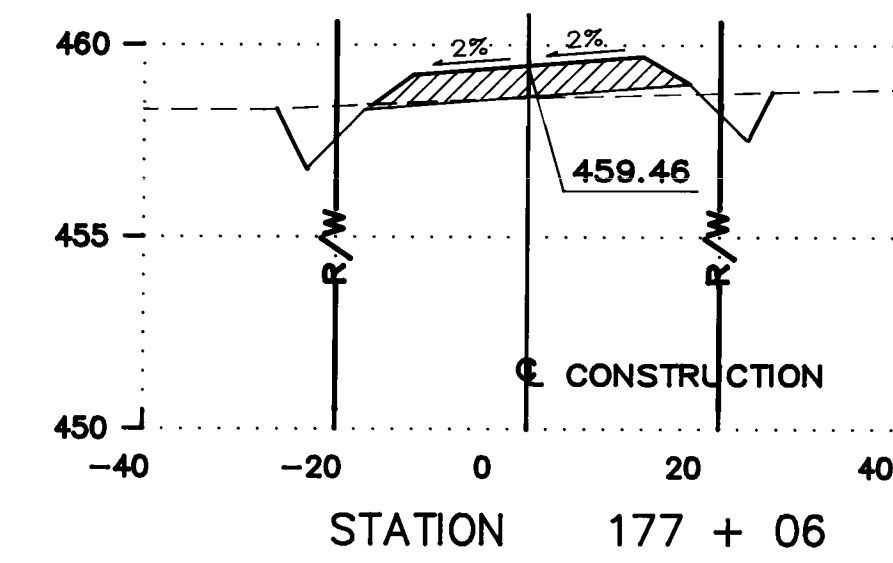
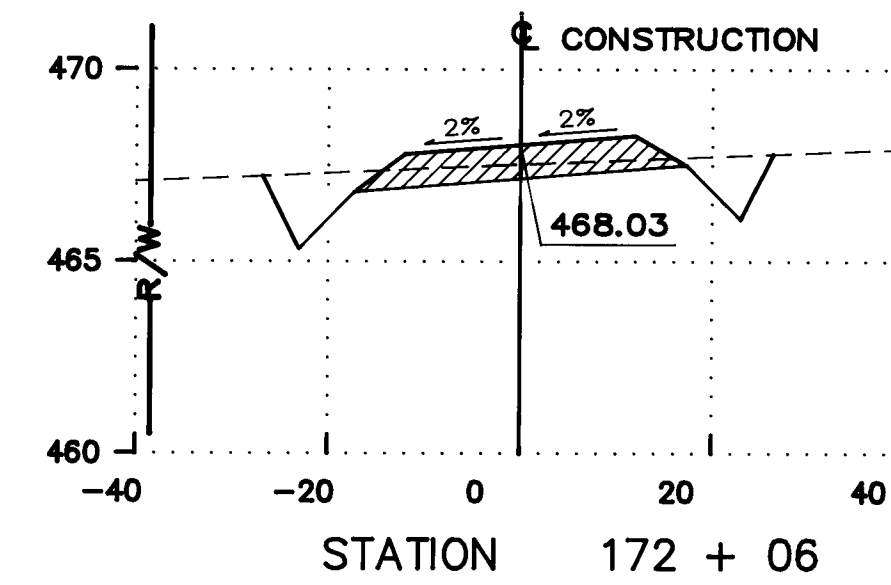
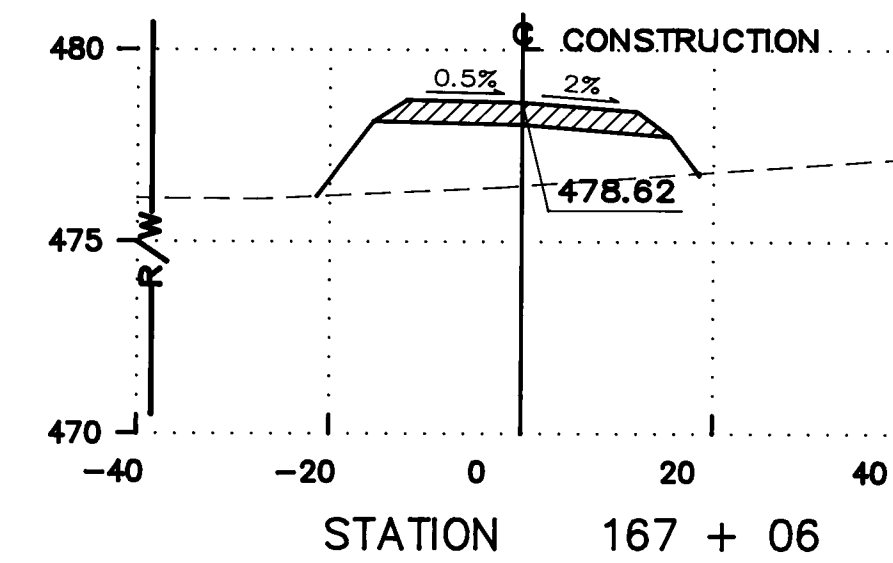
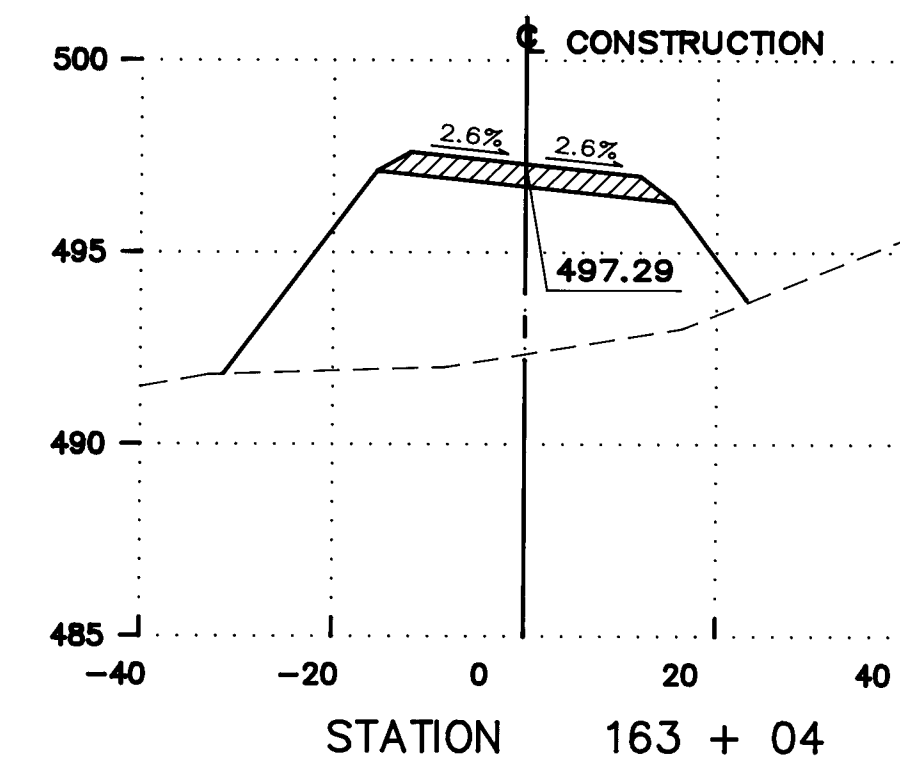
ROADWAY CROSS SECTIONS
STATION 114 + 00 TO STATION 135 + 00
PASEO DEL NORTE, WEST / PASEO DEL VOLCAN





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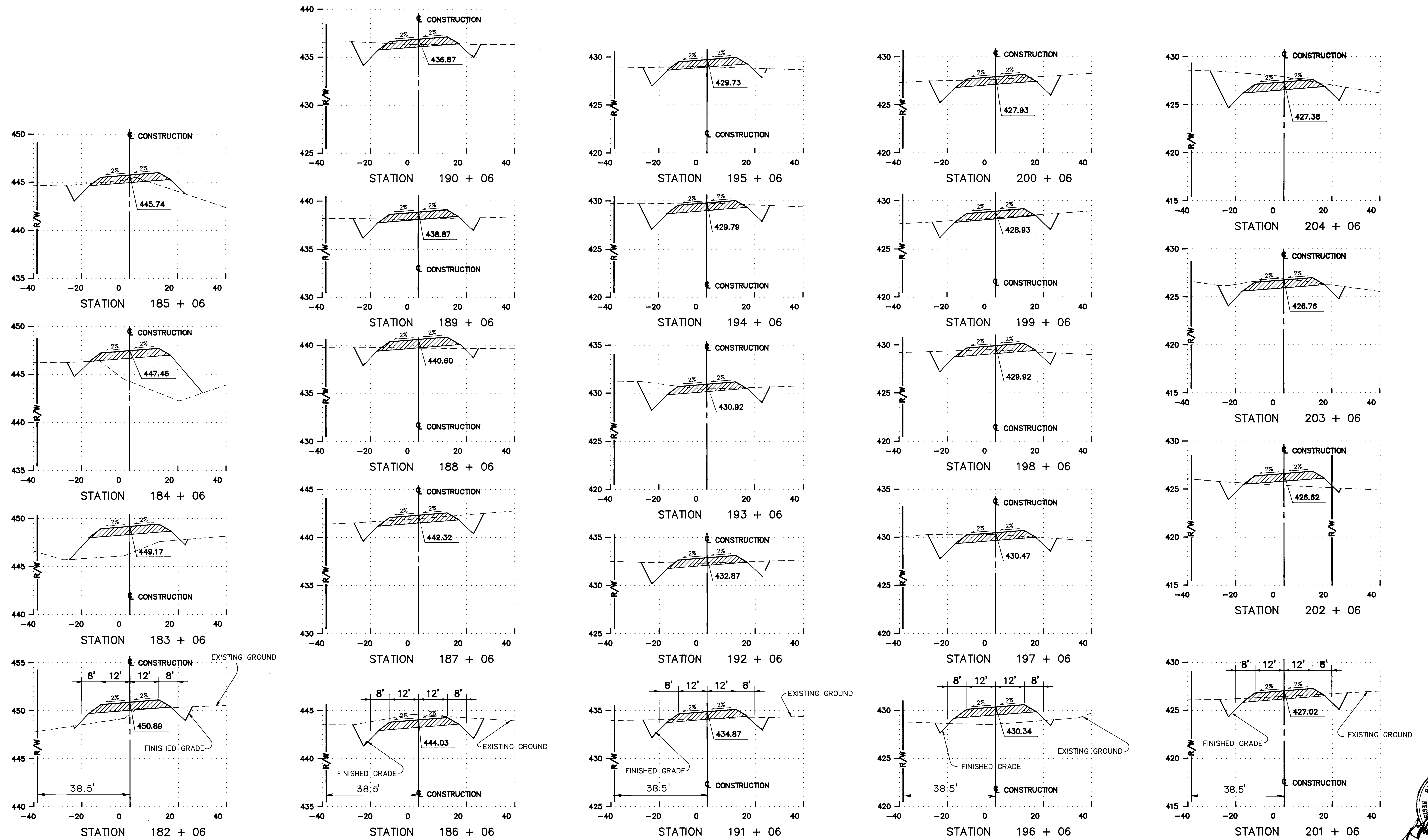
ROADWAY CROSS SECTIONS
STATION 136 + 00 TO STATION 159 + 00
PASEO DEL NORTE, WEST / PASEO DEL VOLCAN



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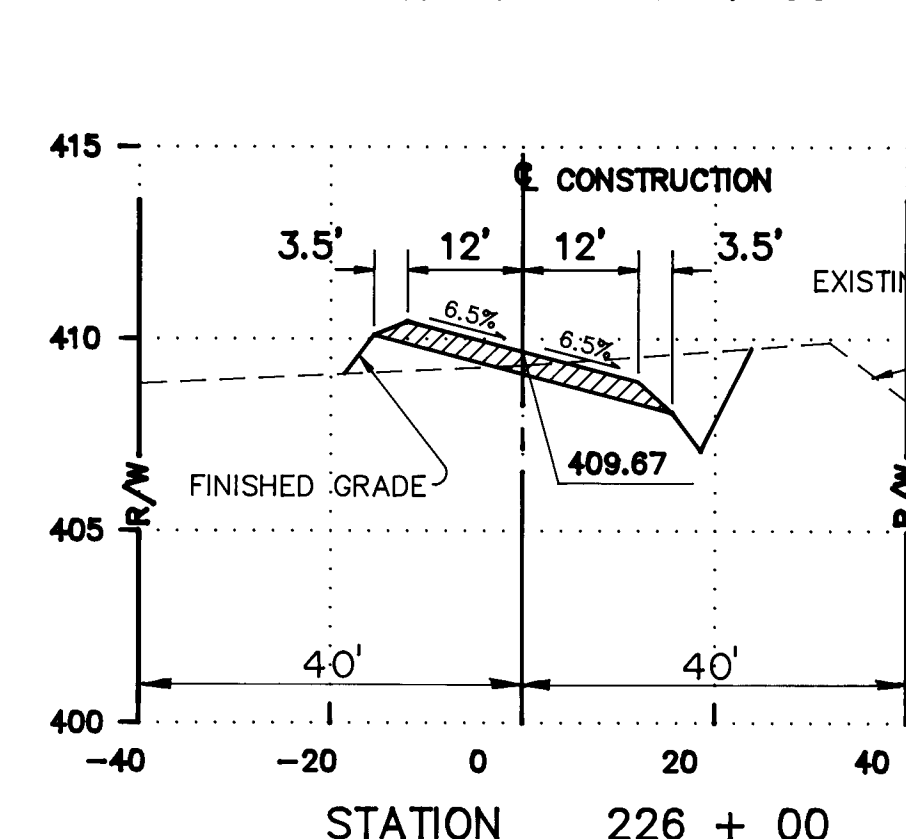
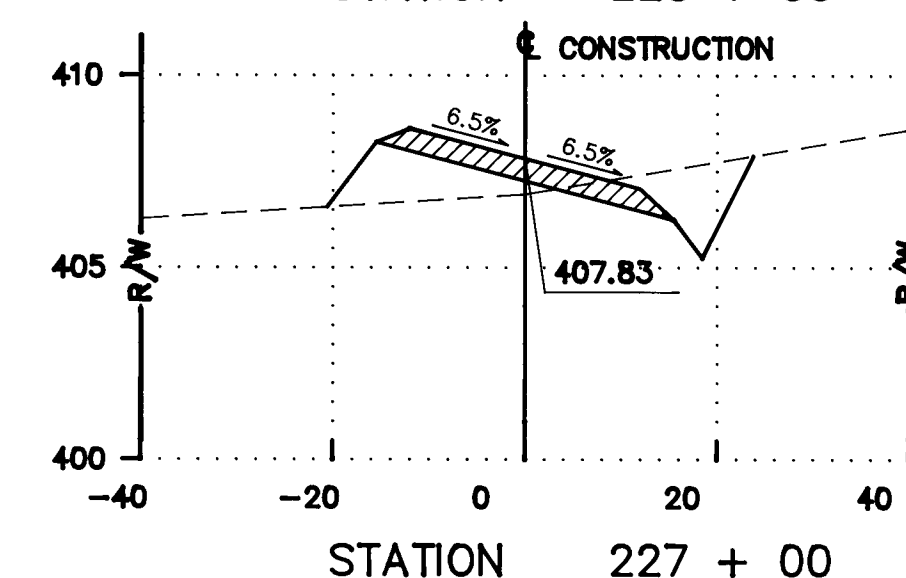
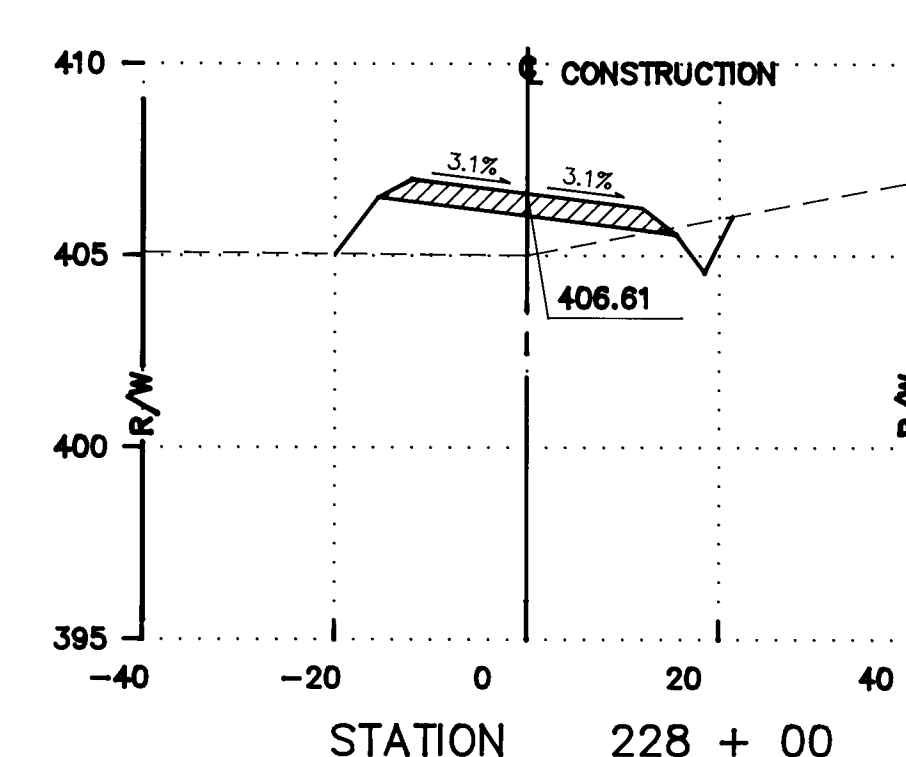
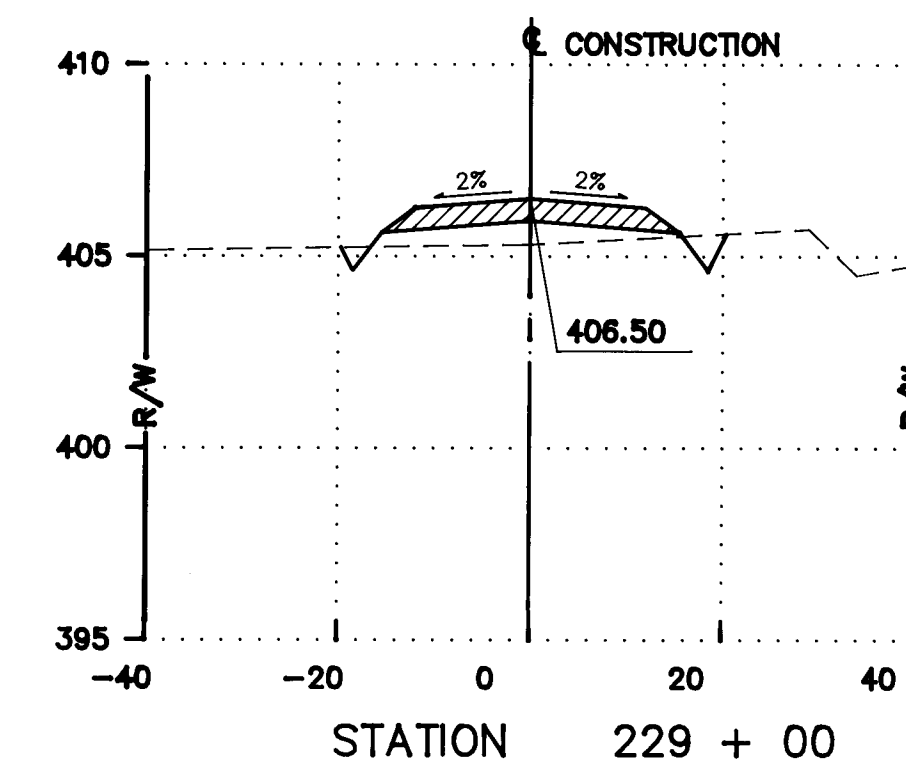
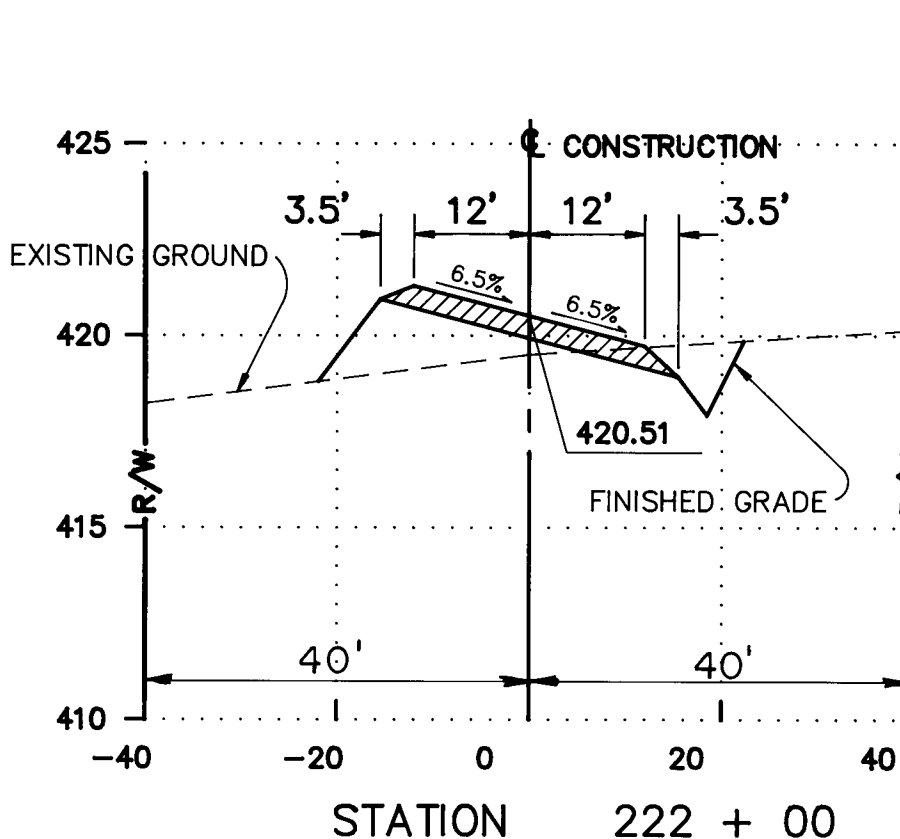
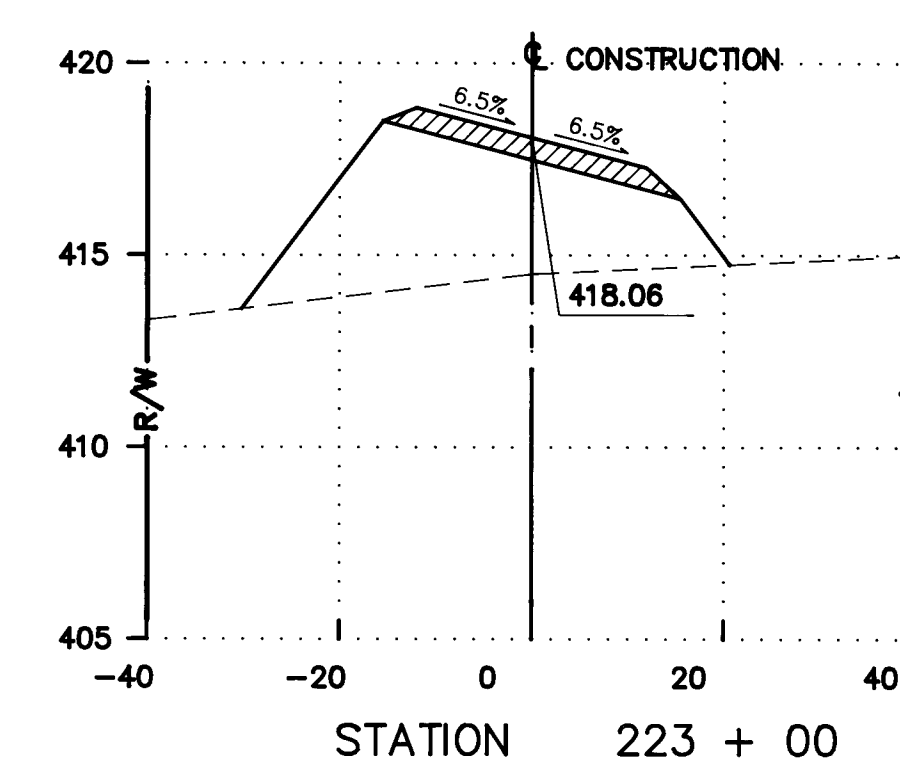
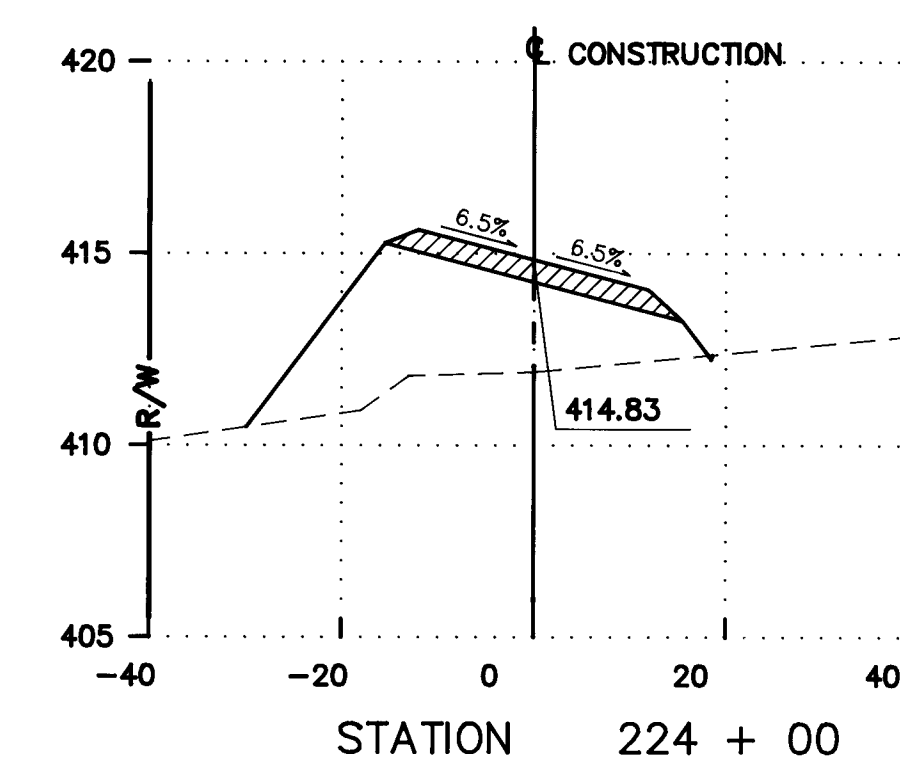
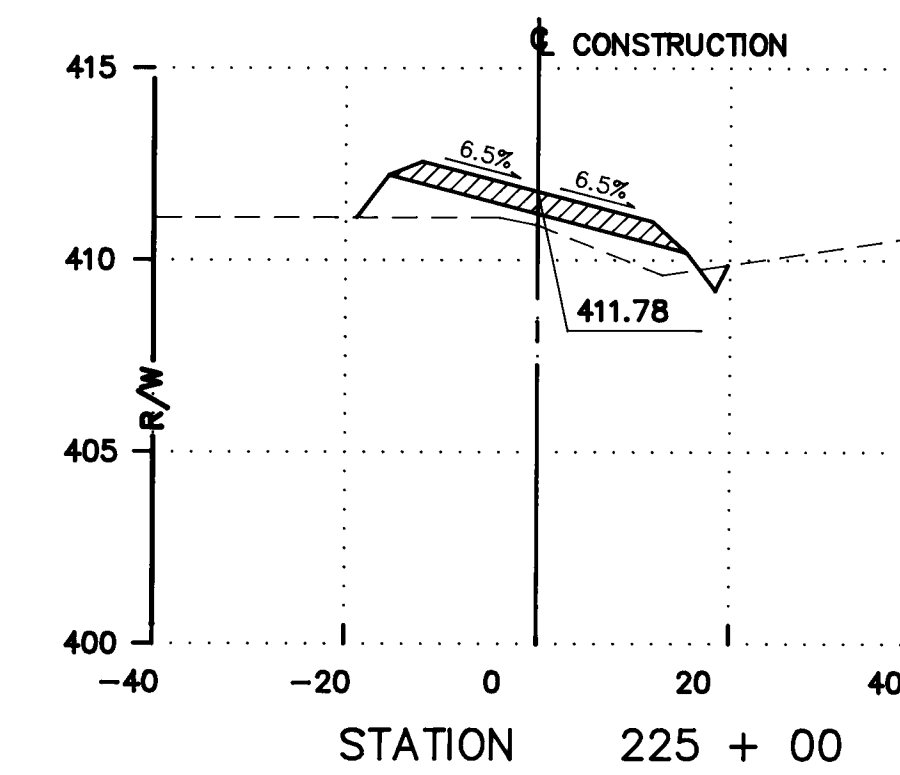
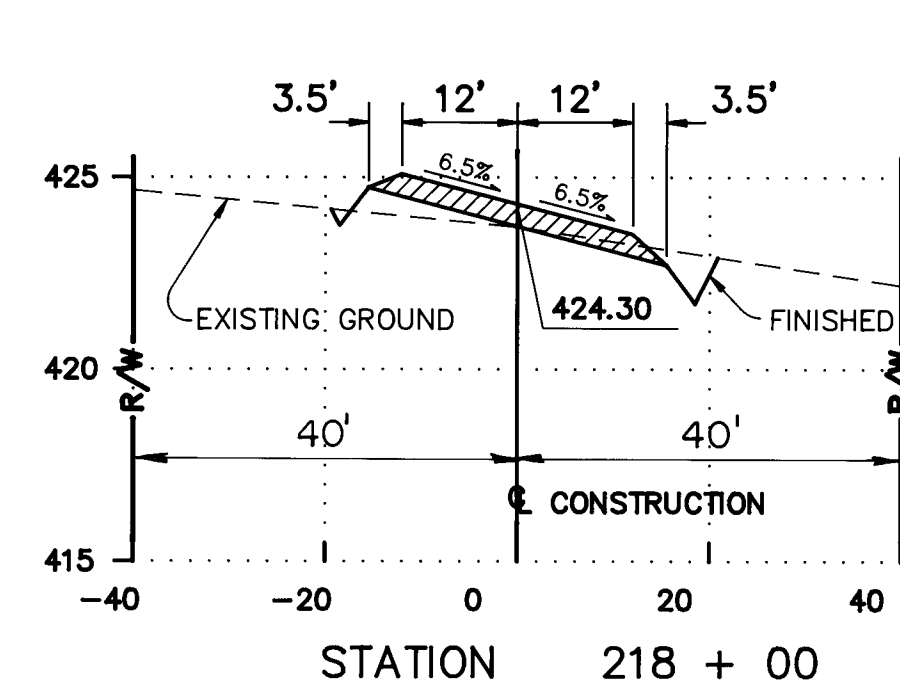
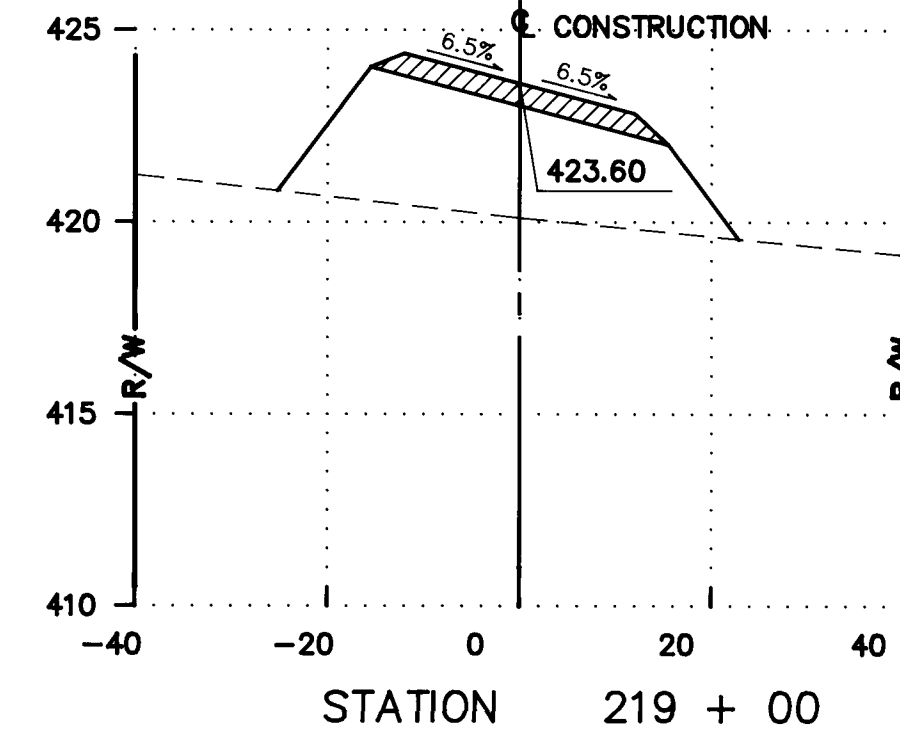
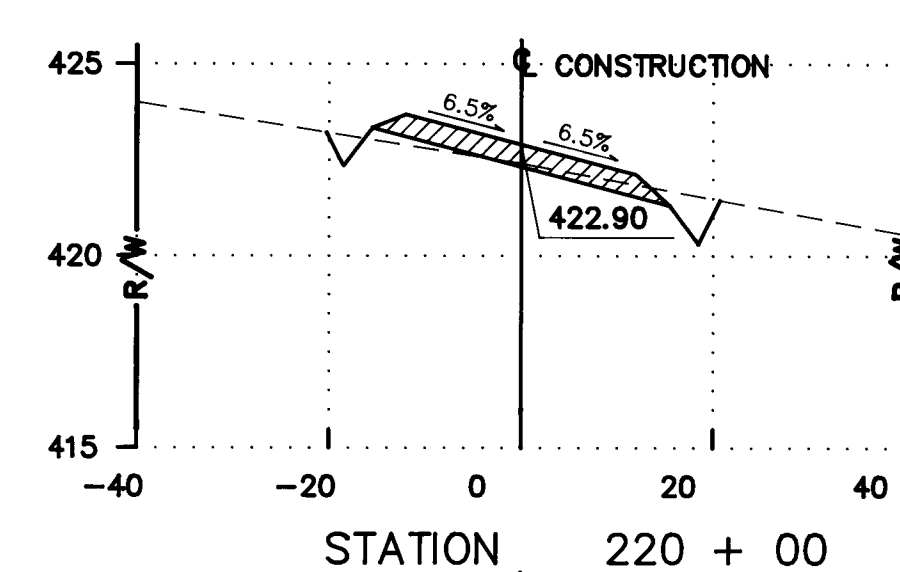
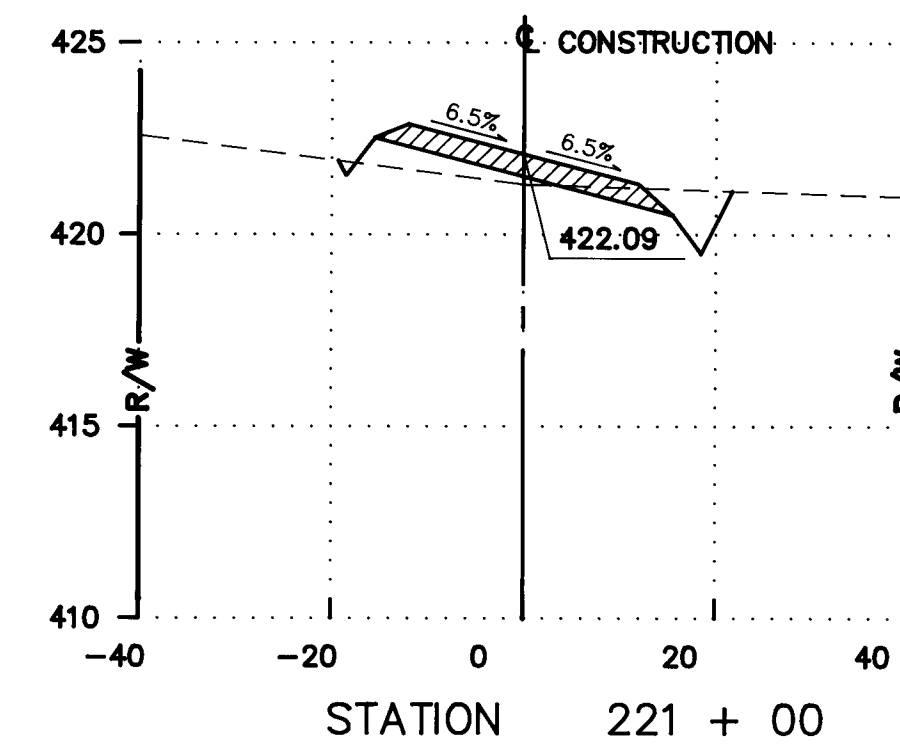
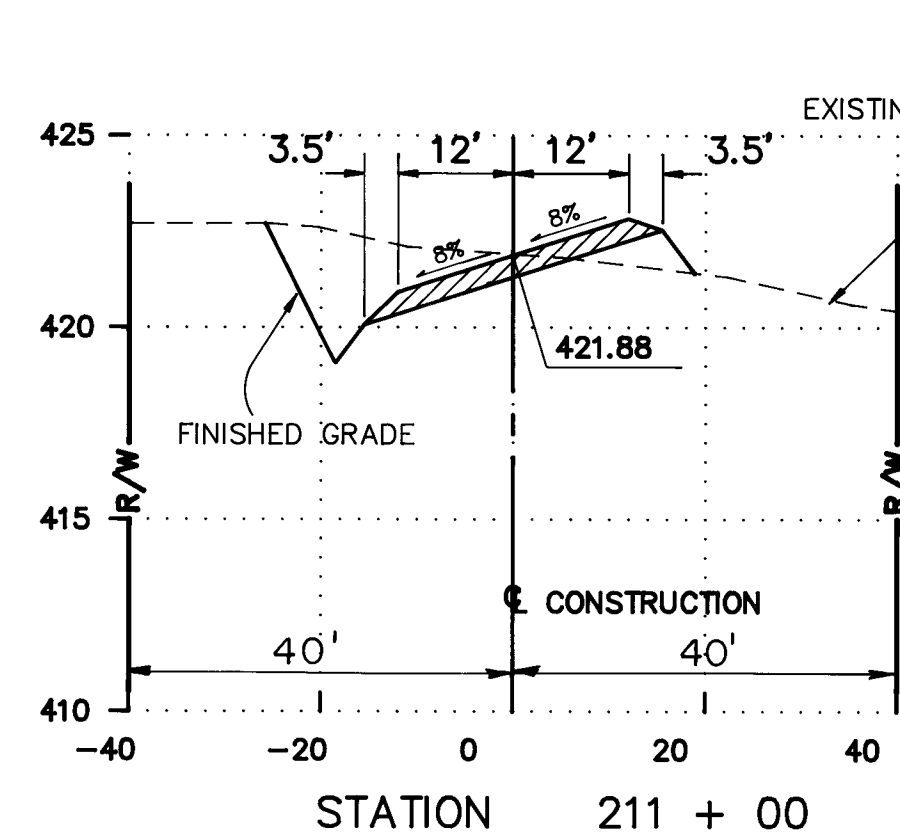
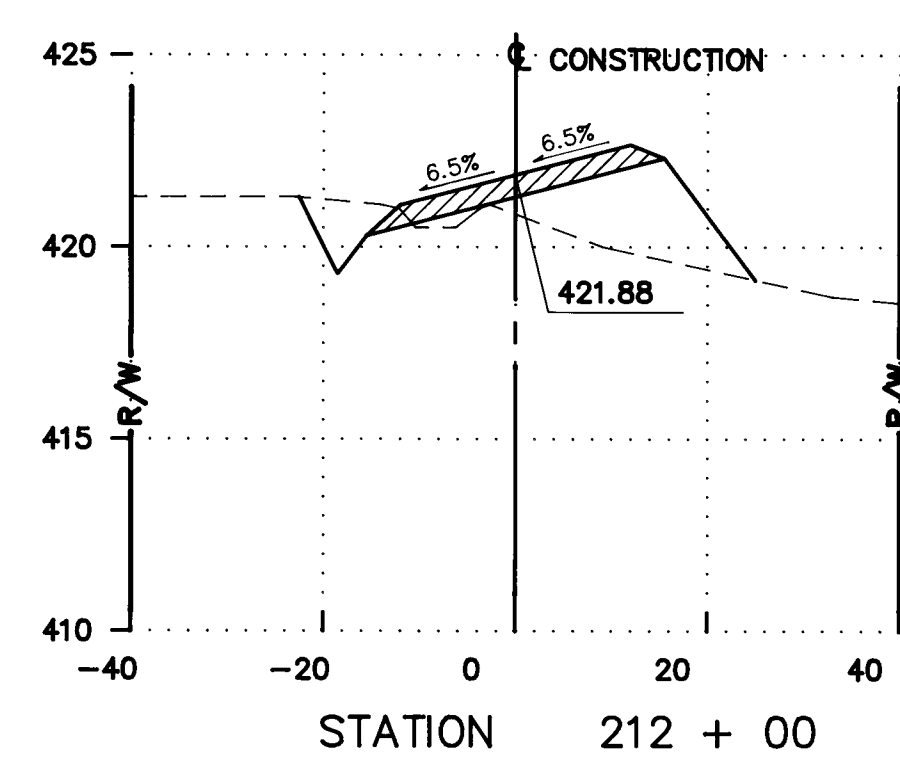
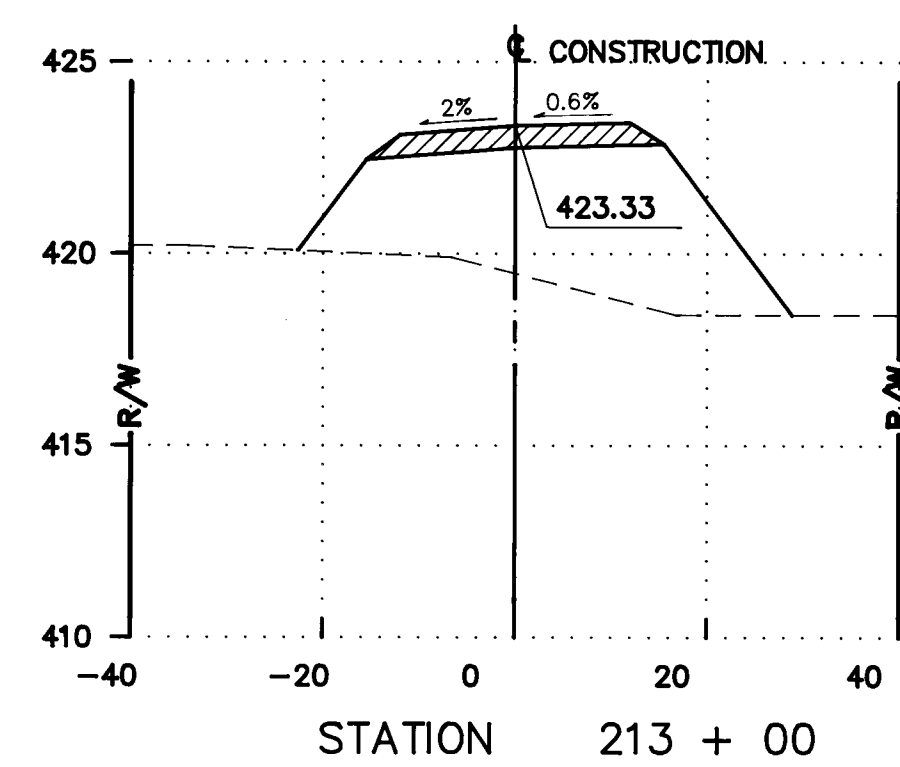
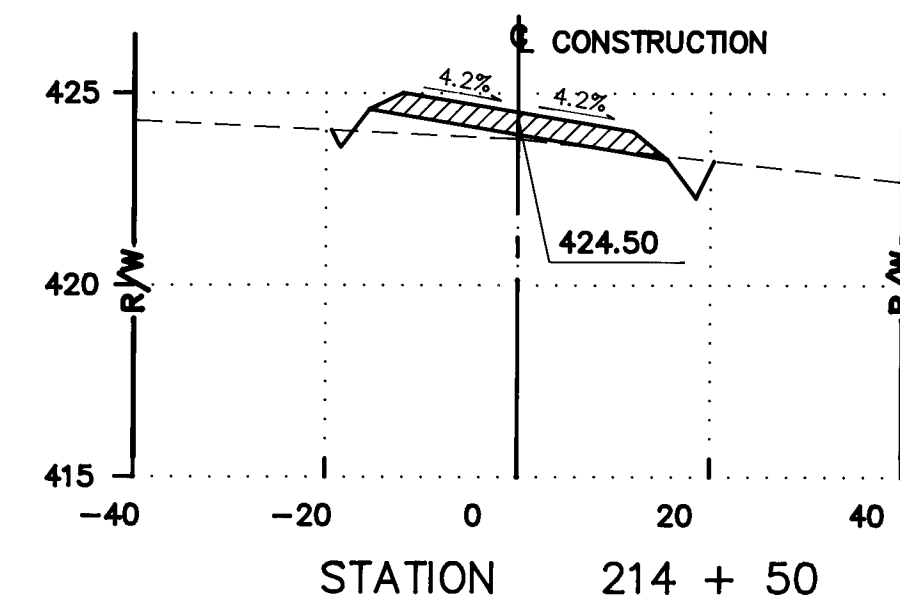
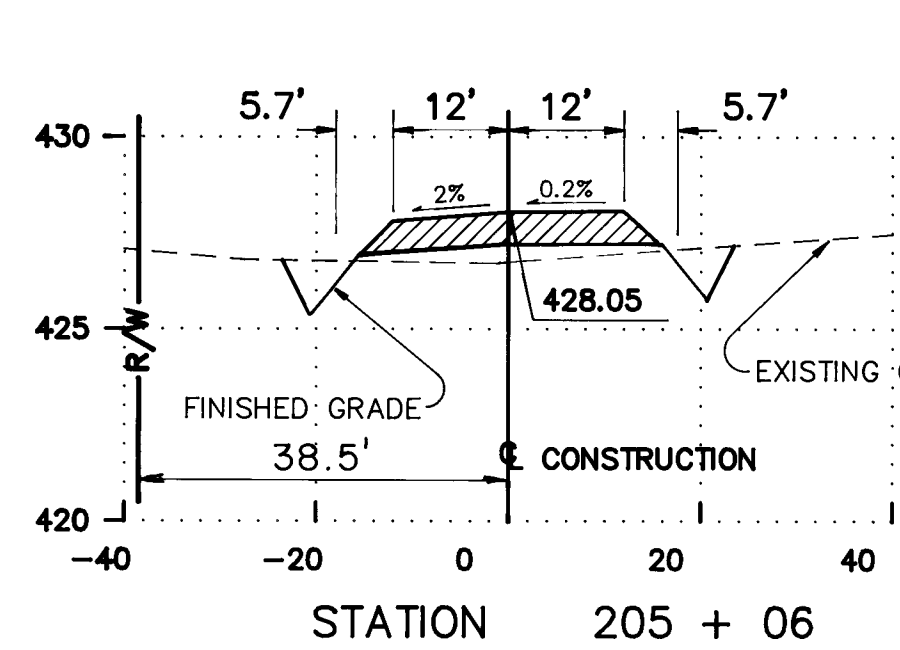
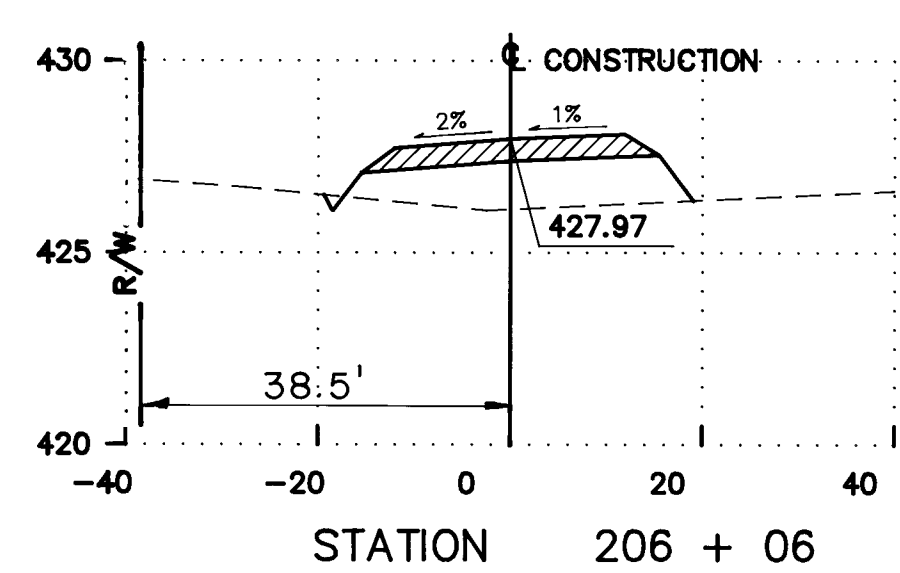
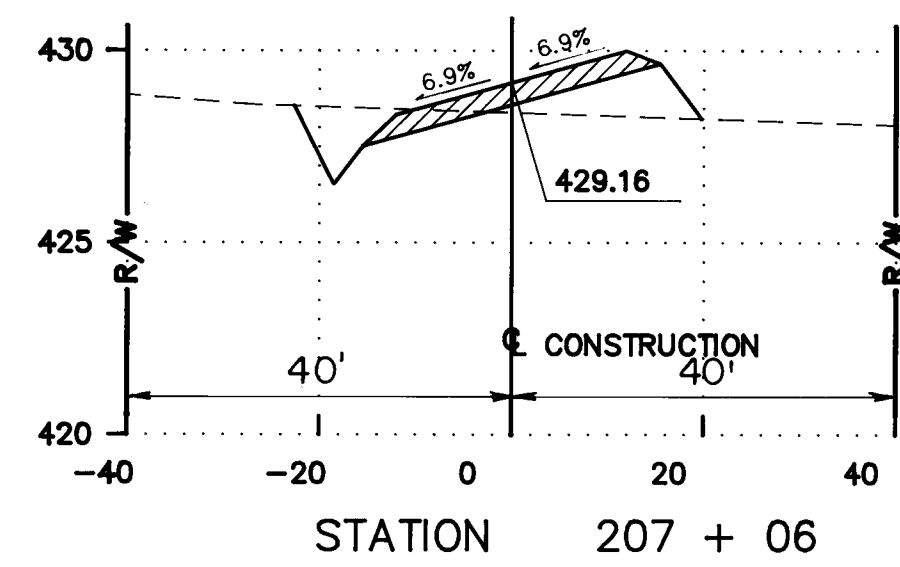
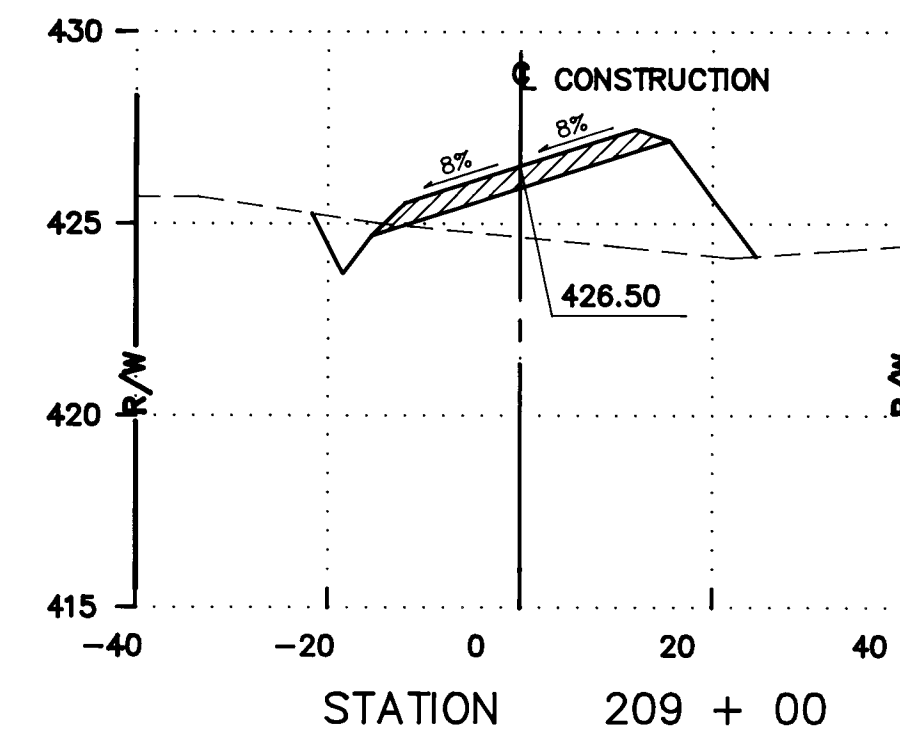
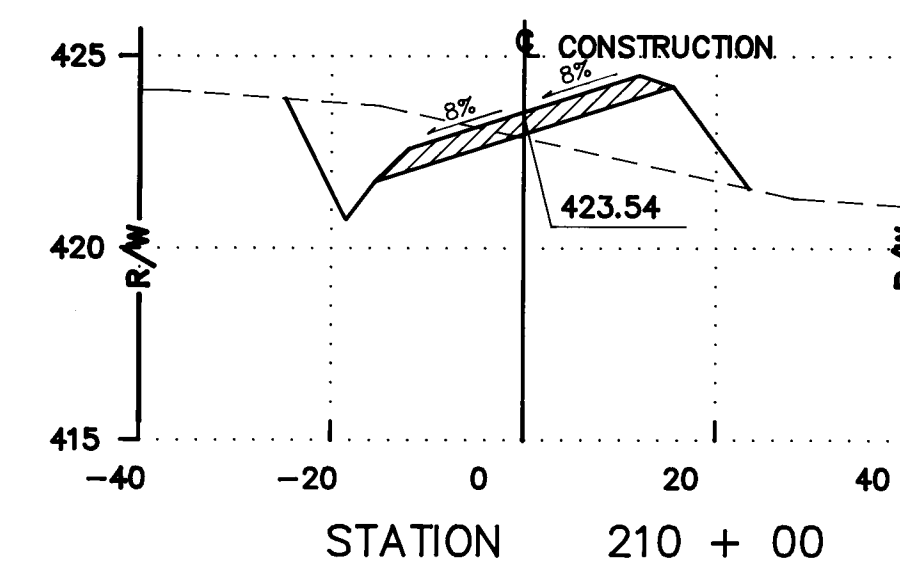
ROADWAY CROSS SECTIONS
STATION 160 + 00 TO STATION 181 + 06
PASEO DEL NORTE, WEST / PASEO DEL VOLCAN





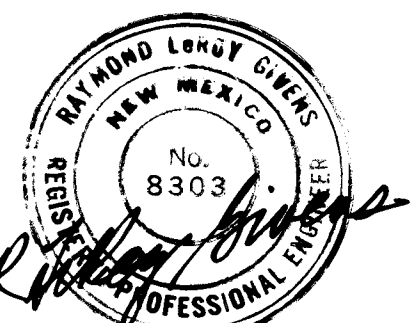
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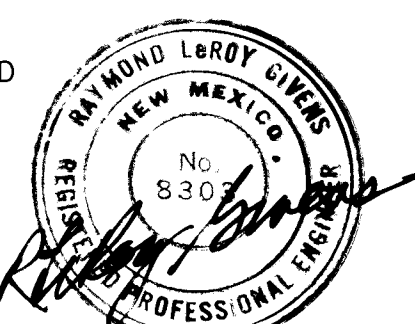
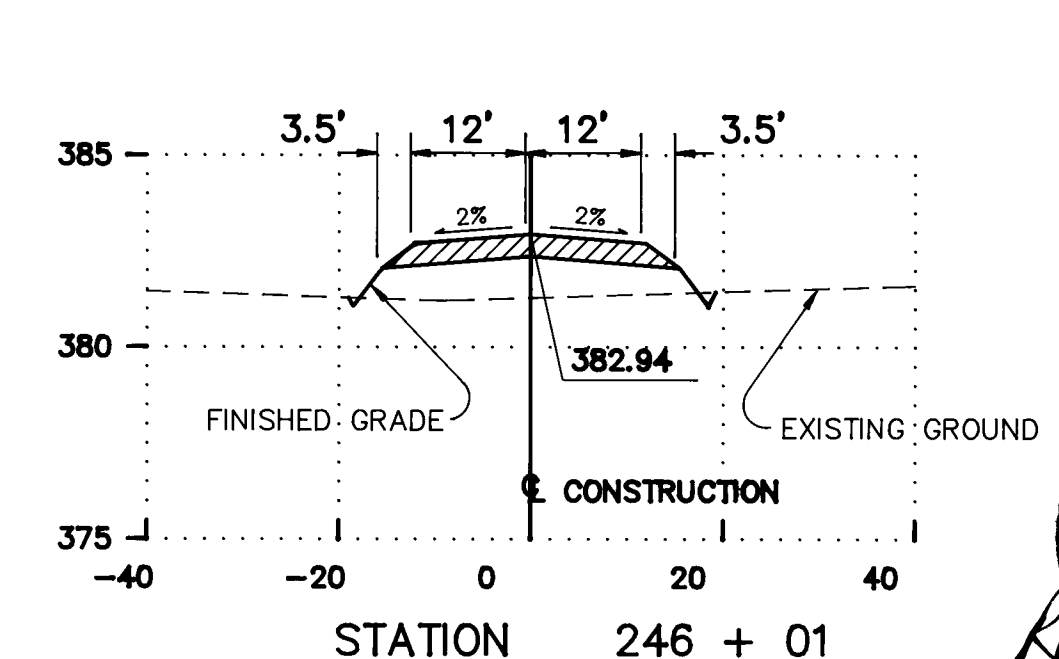
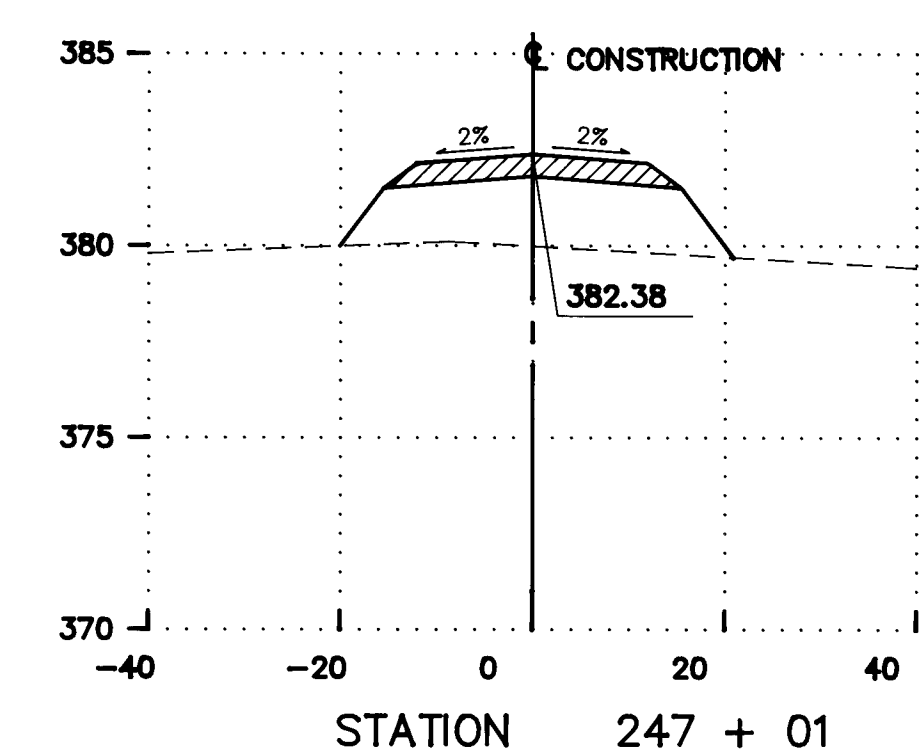
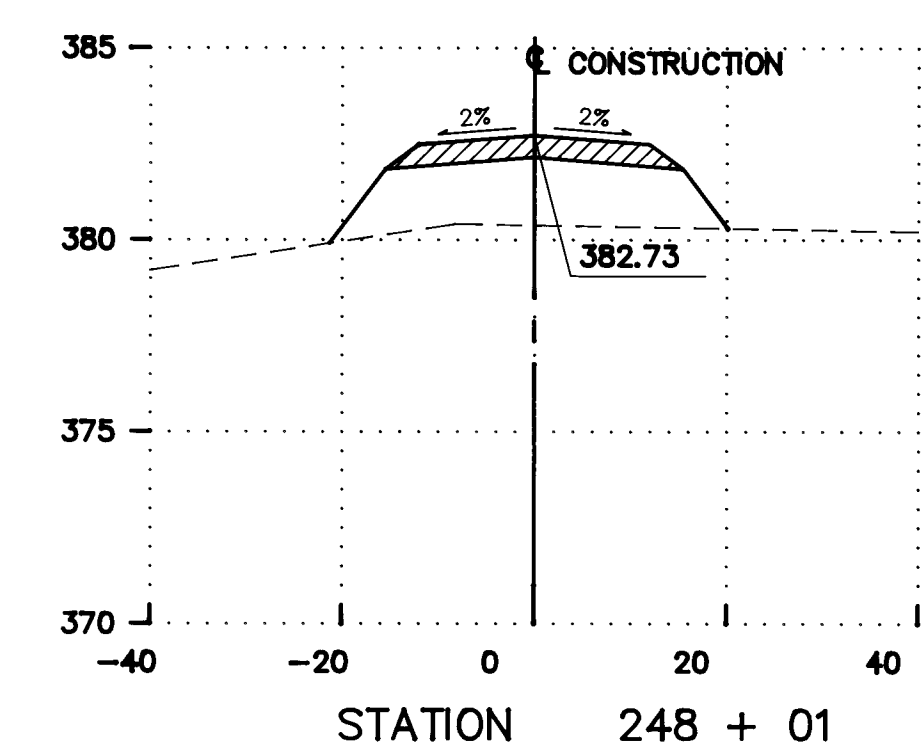
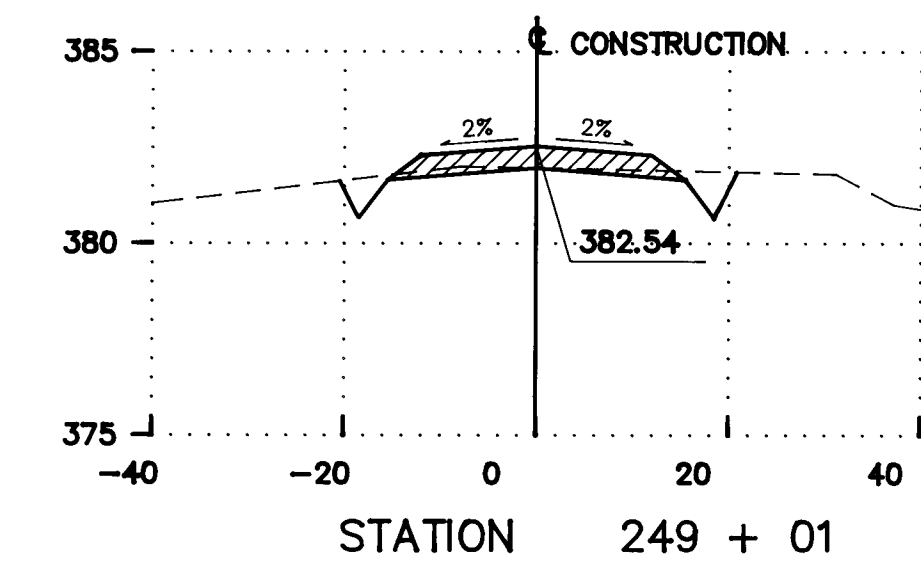
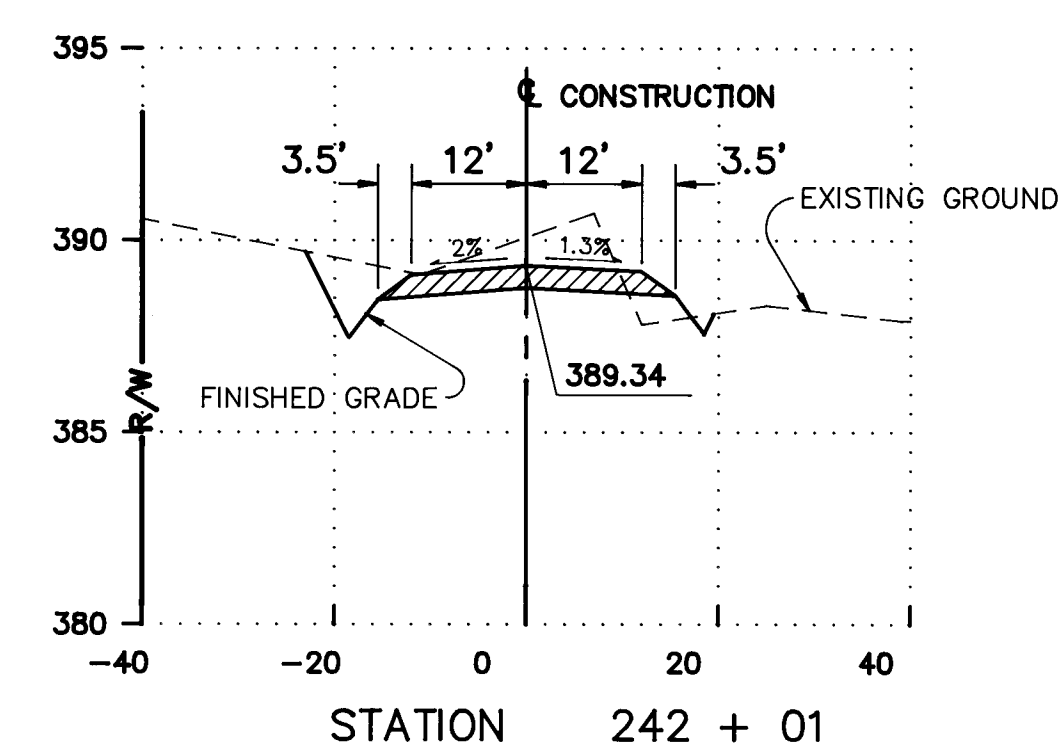
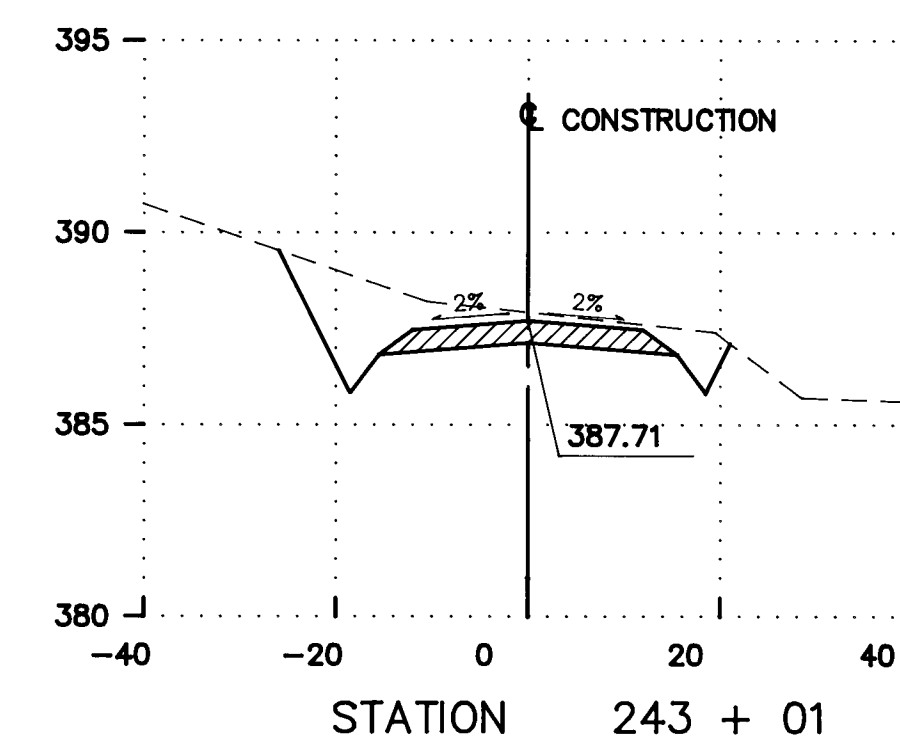
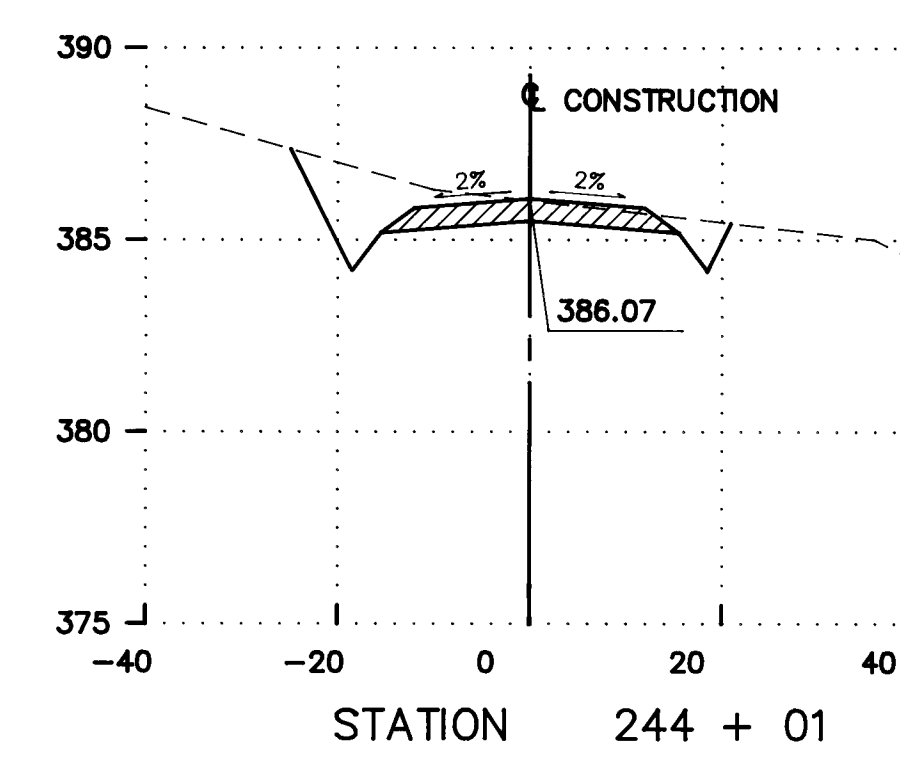
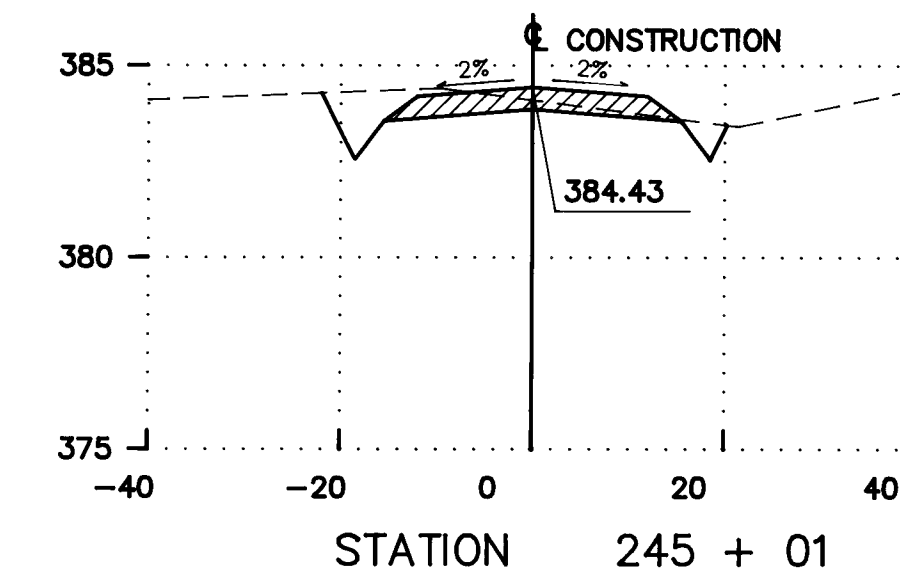
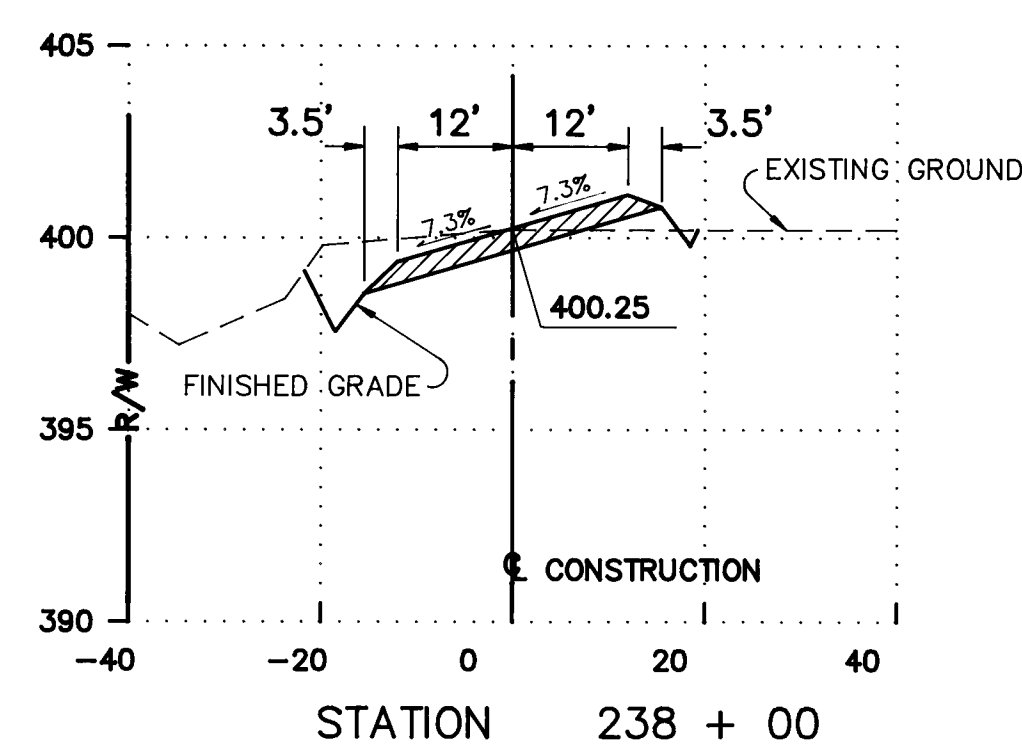
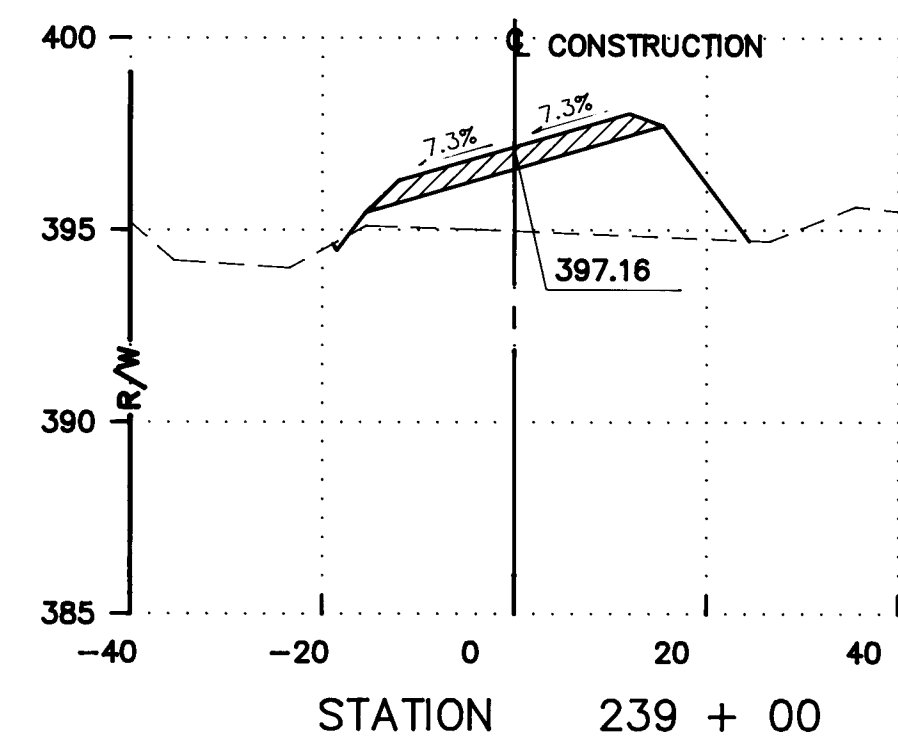
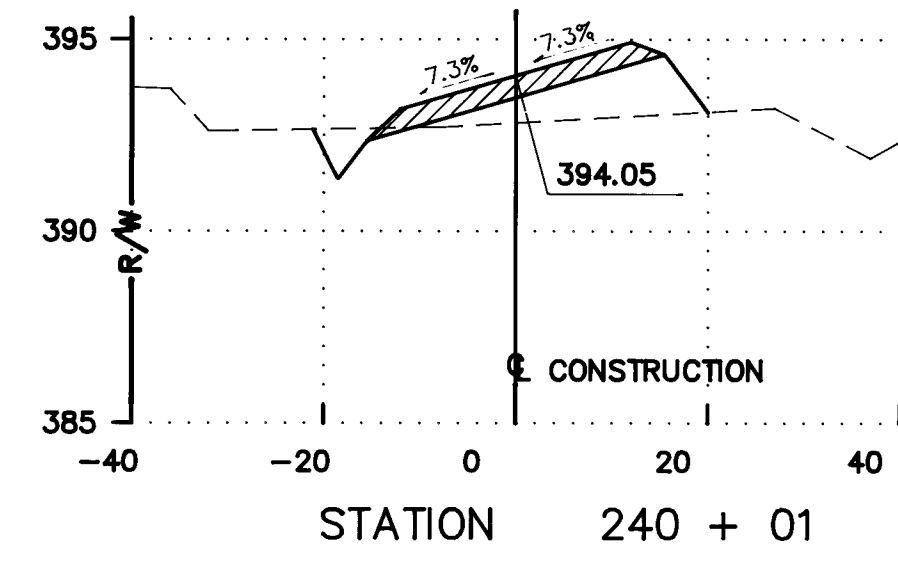
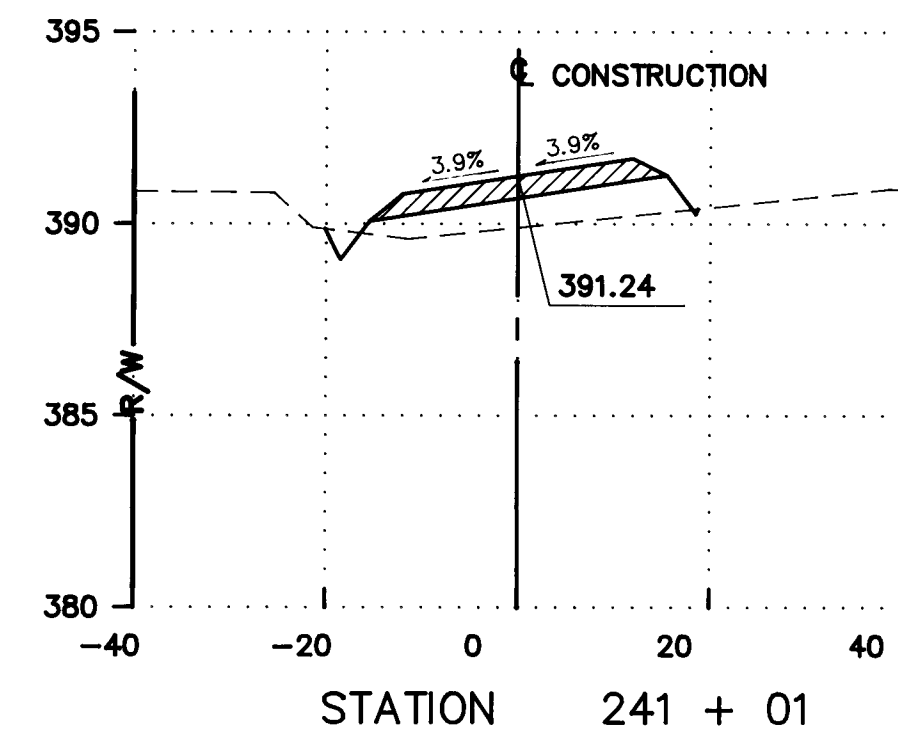
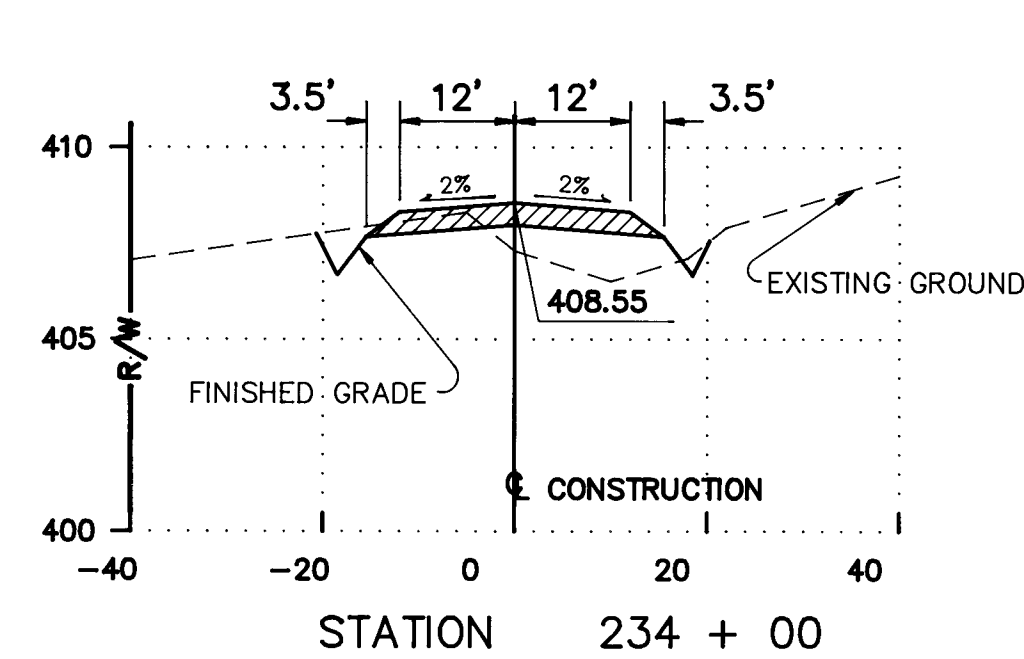
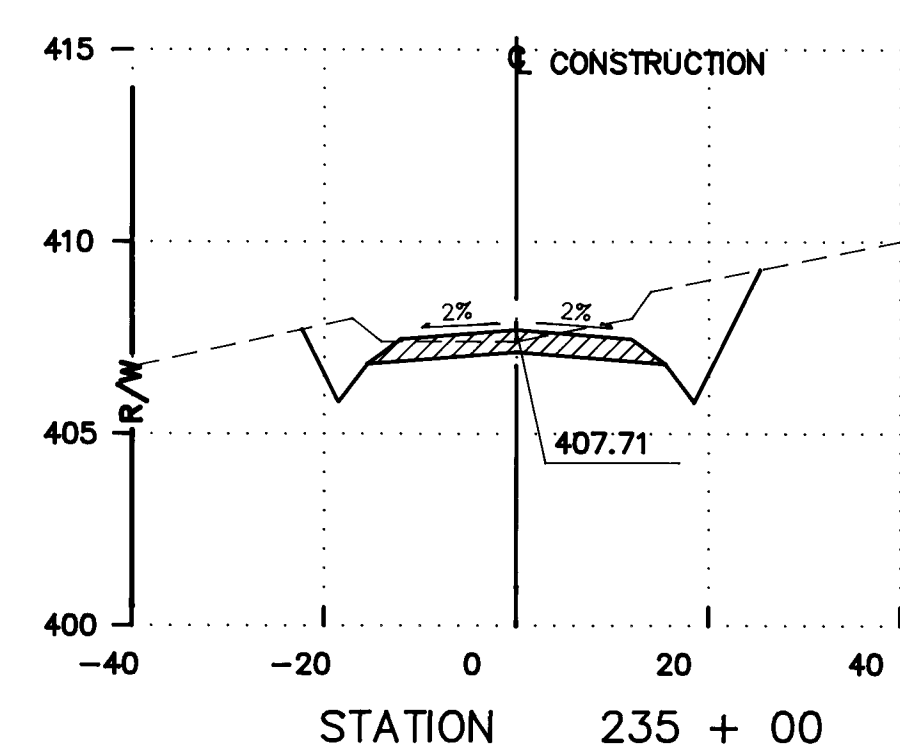
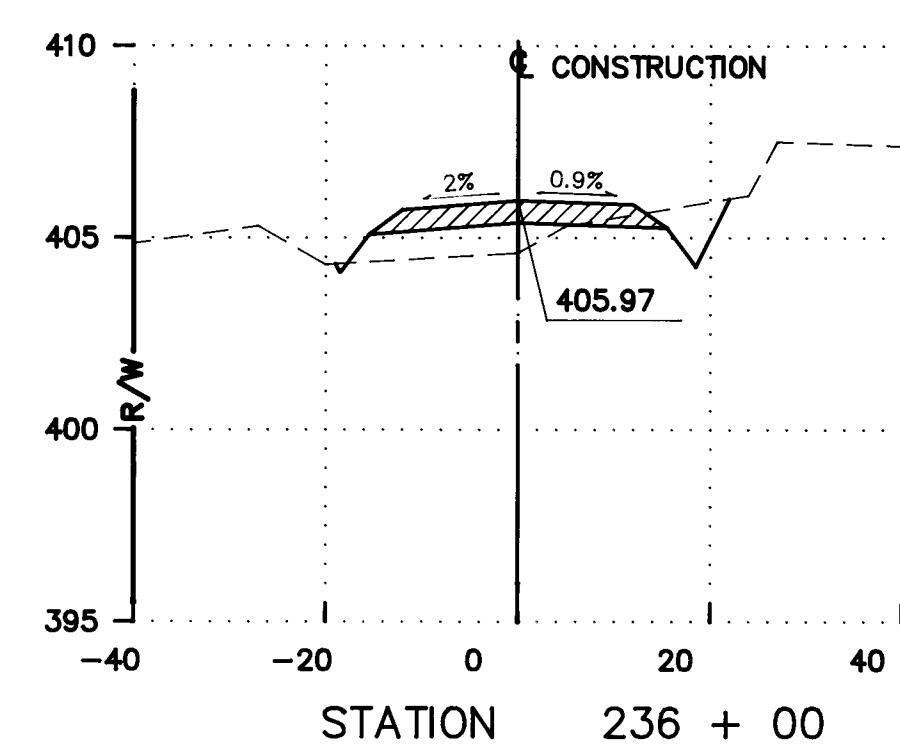
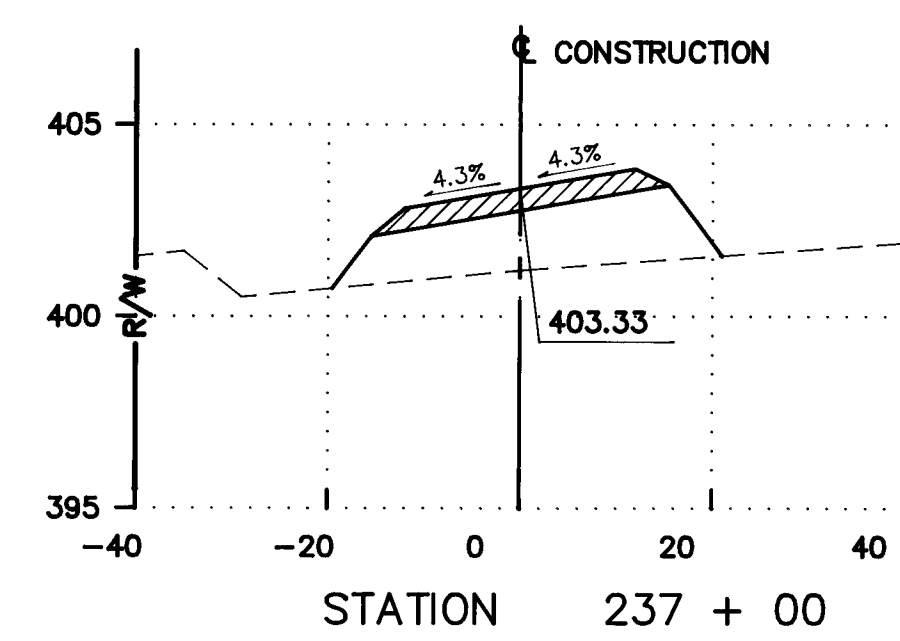
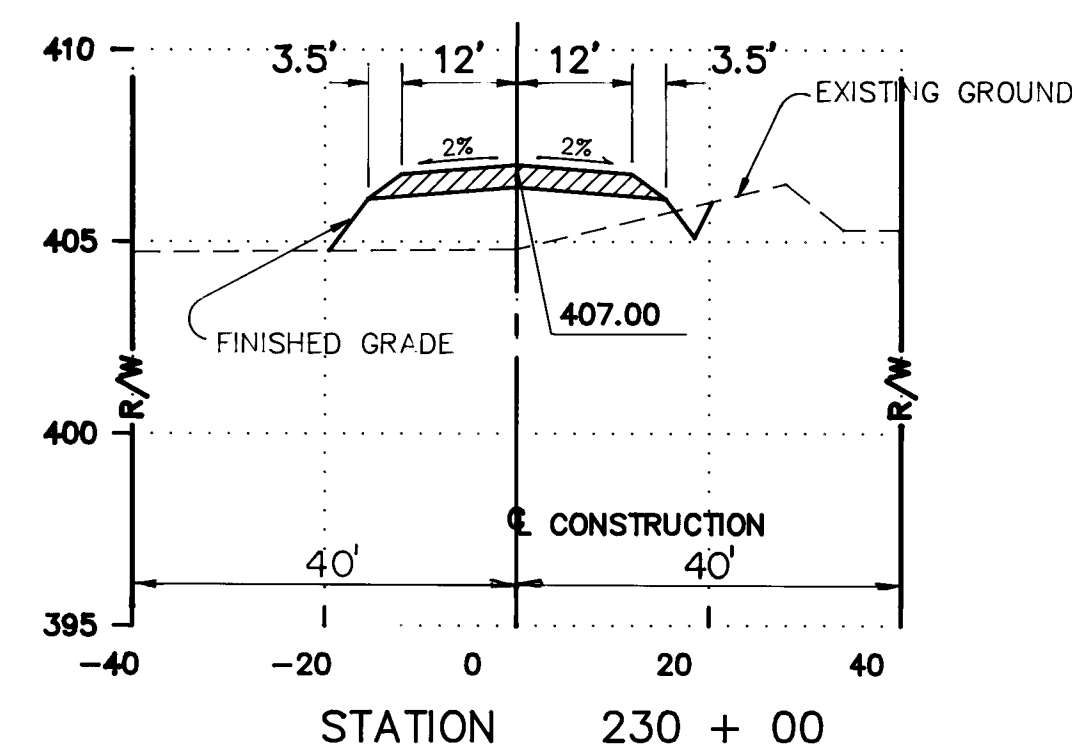
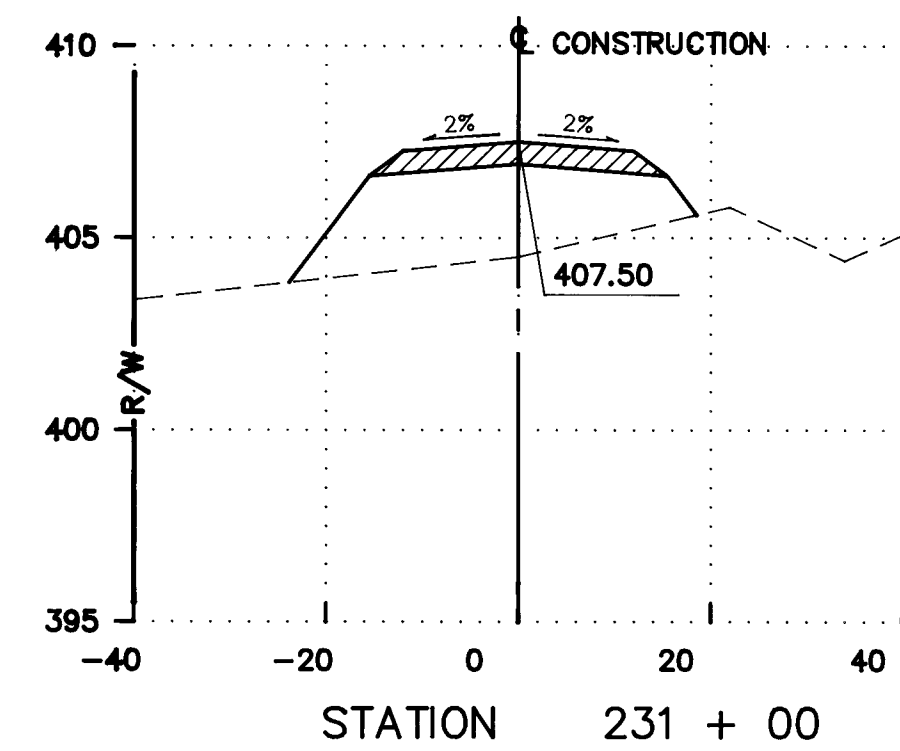
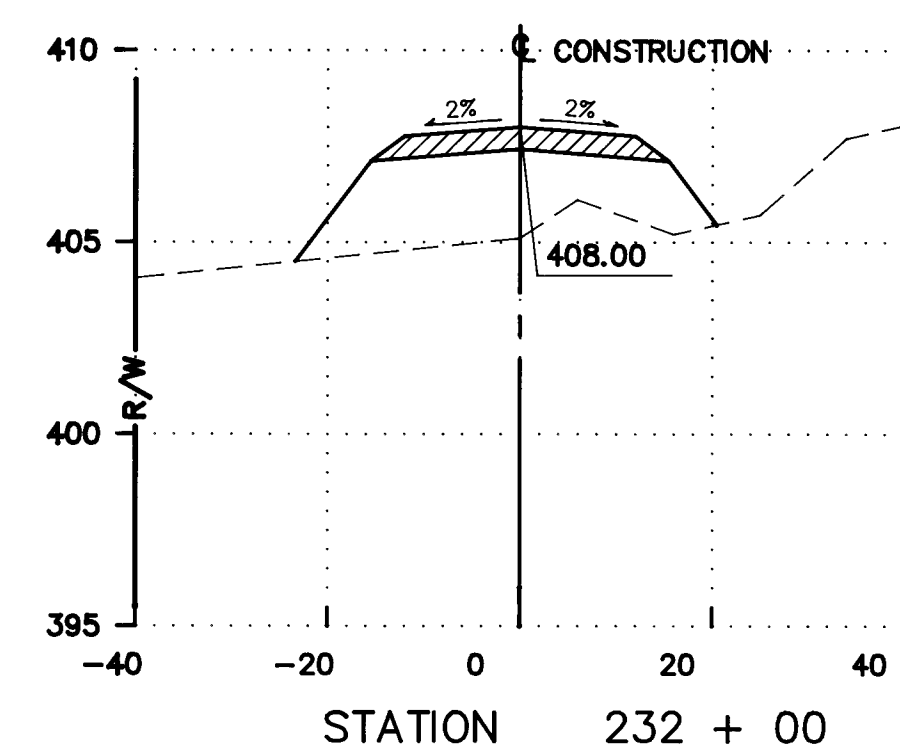
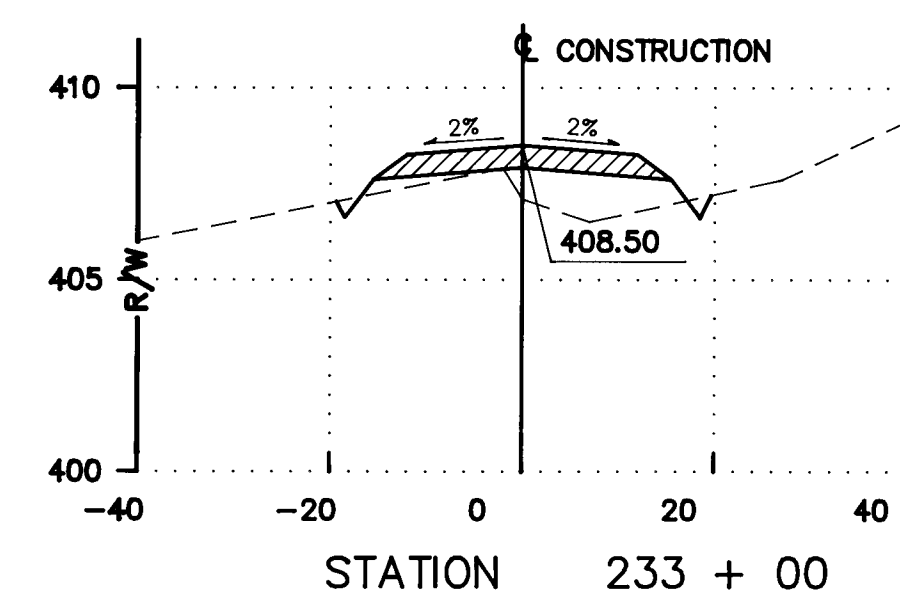
ROADWAY CROSS SECTIONS
STATION 182 + 06 TO STATION 204 + 06
PASEO DEL NORTE, WEST / PASEO DEL VOLCAN



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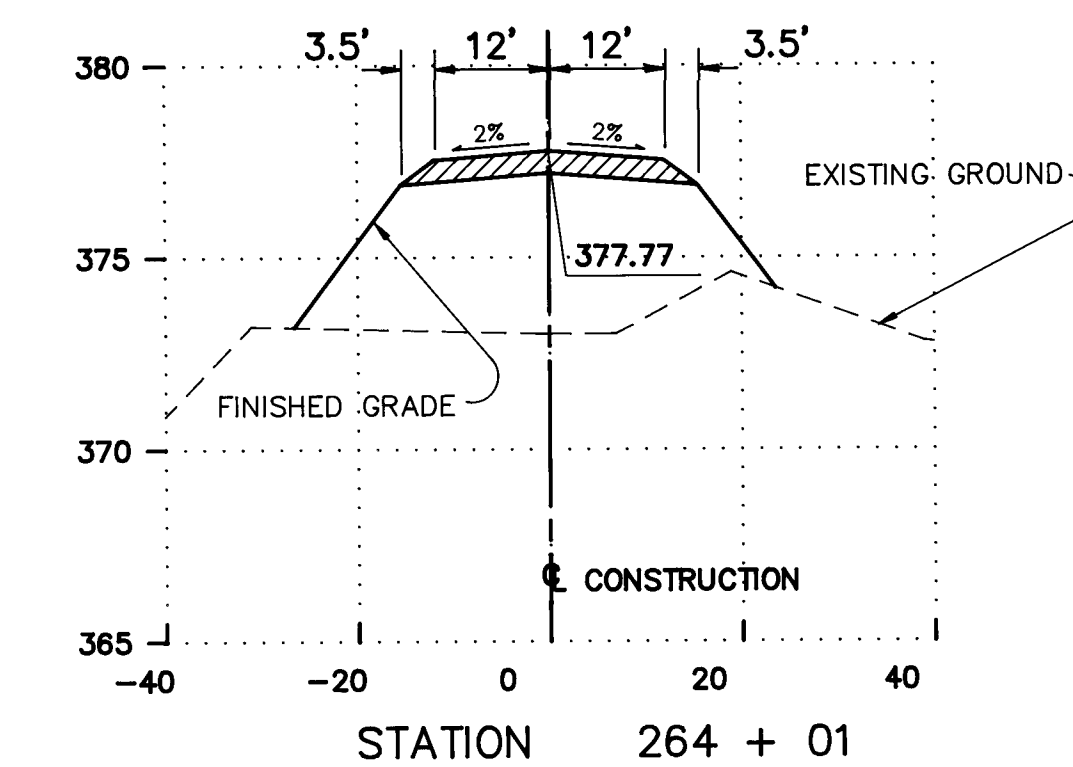
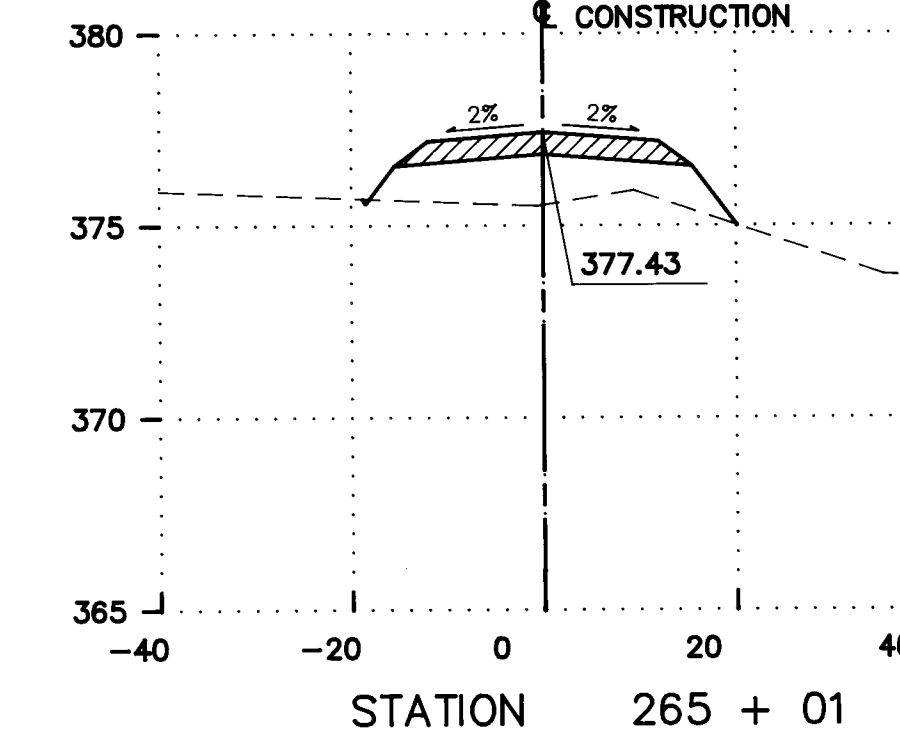
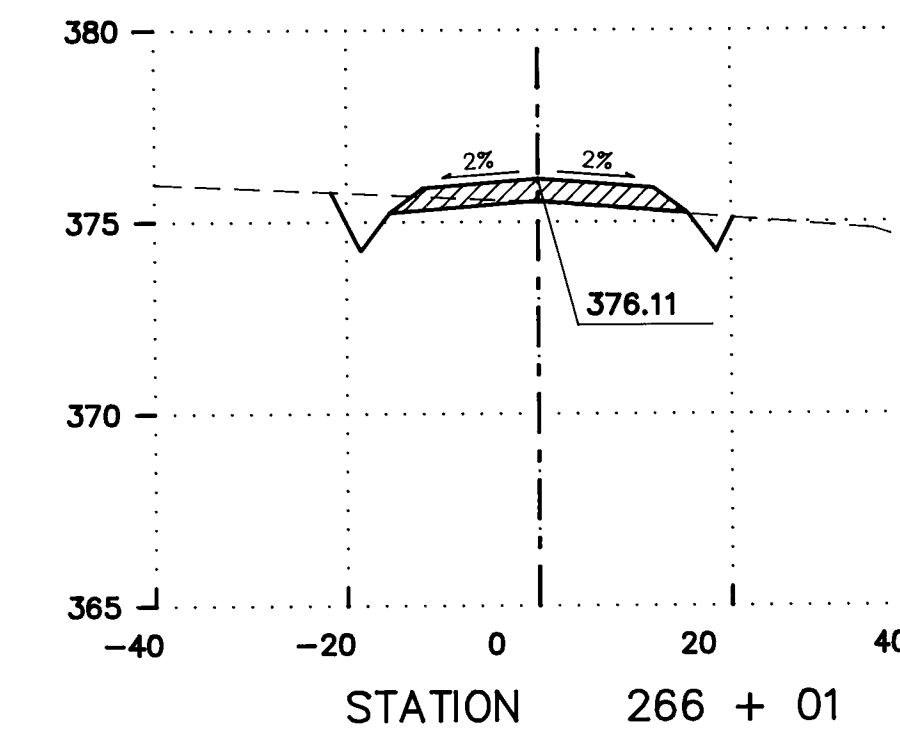
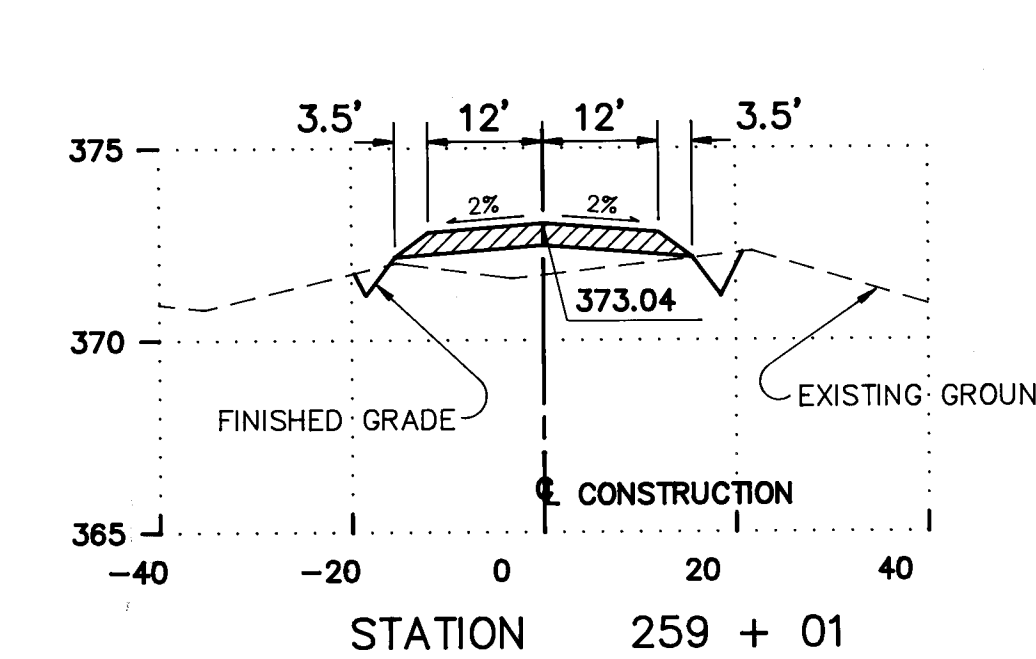
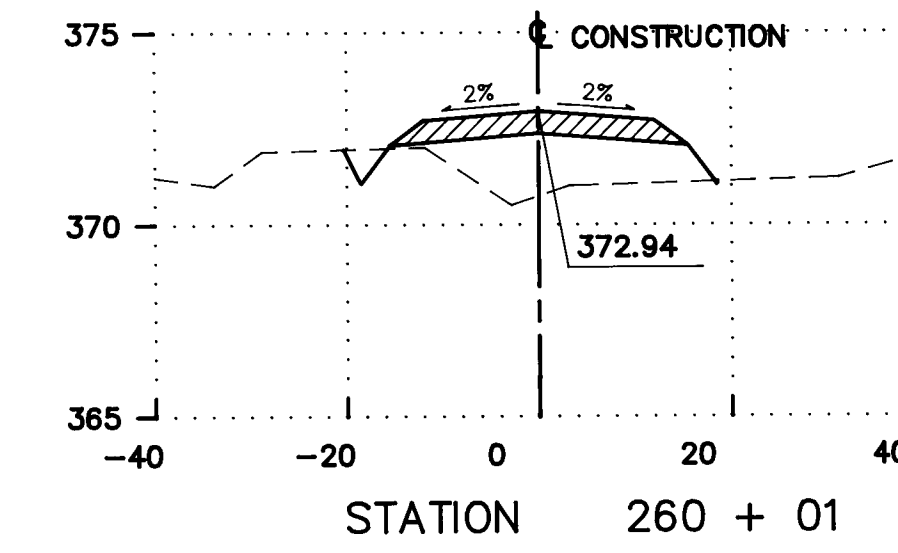
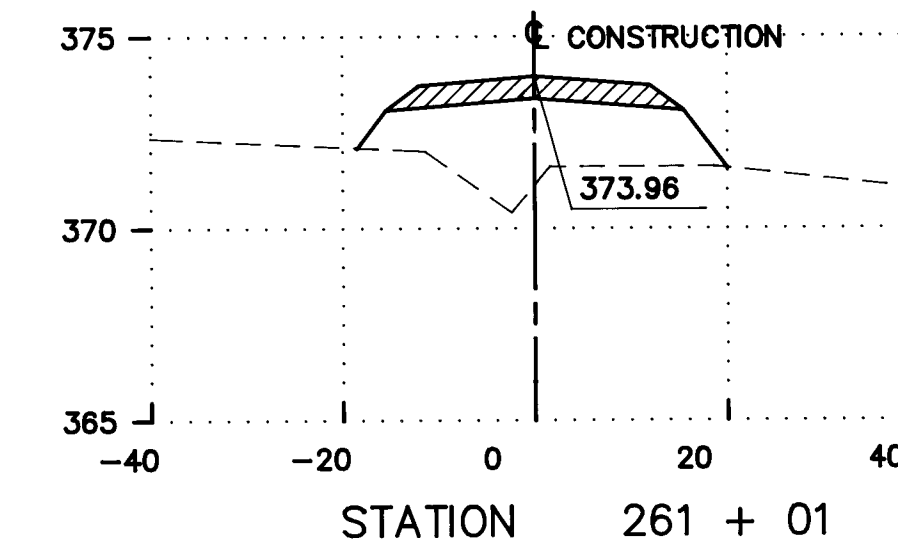
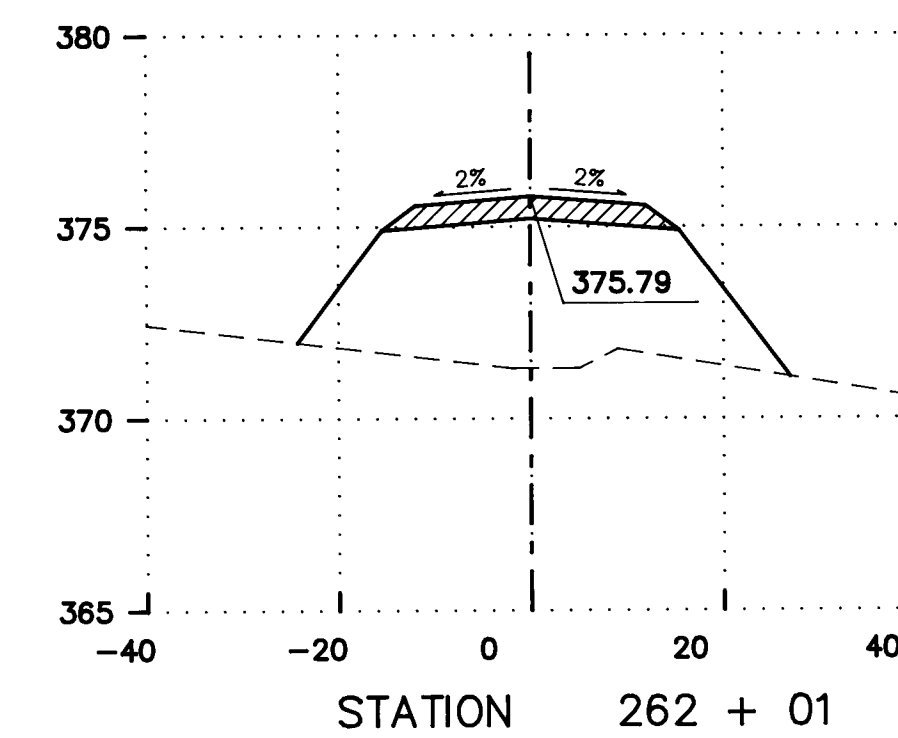
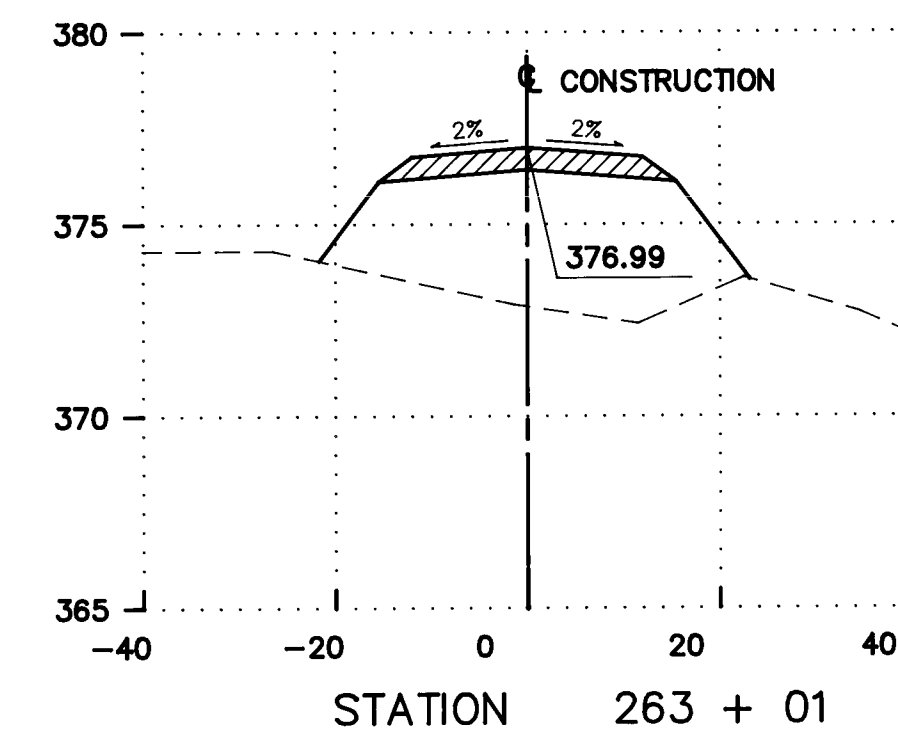
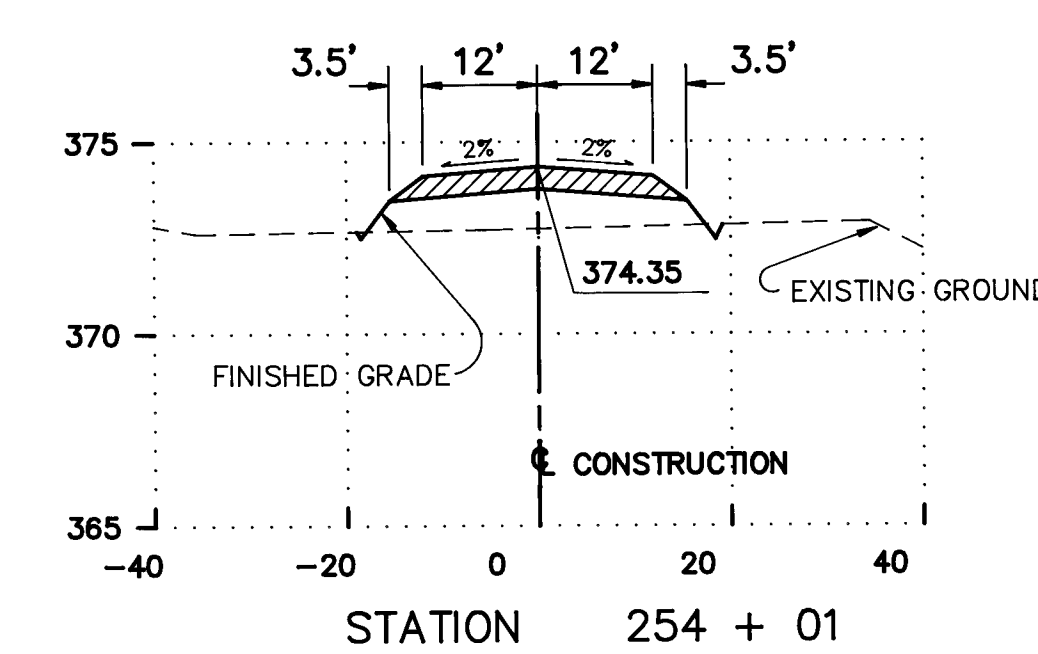
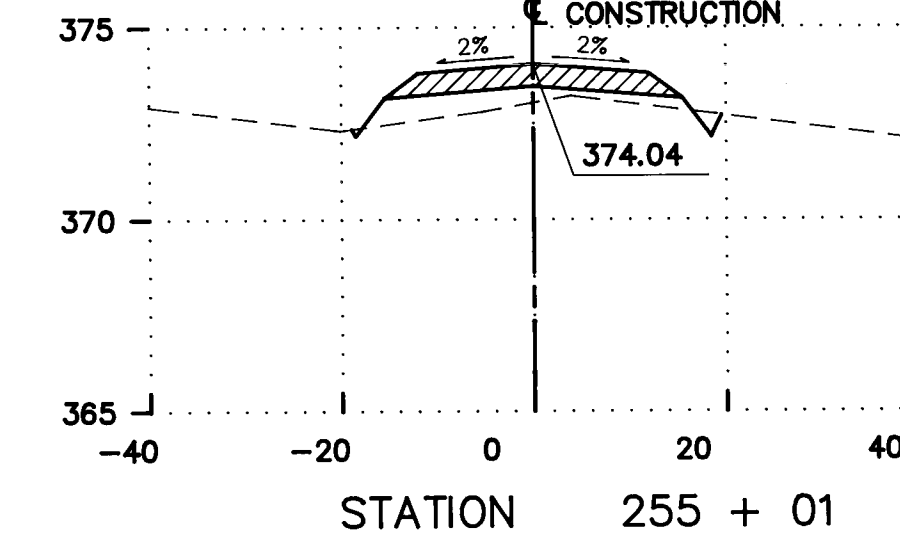
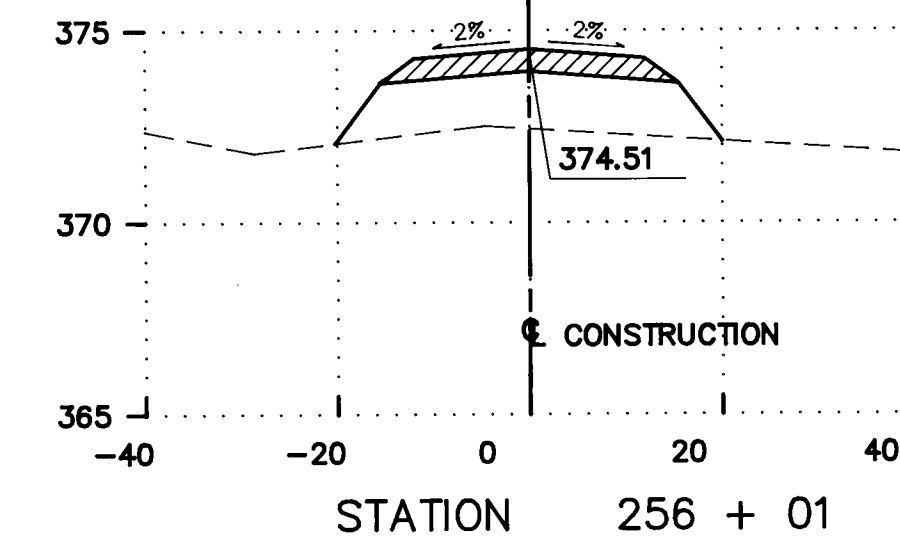
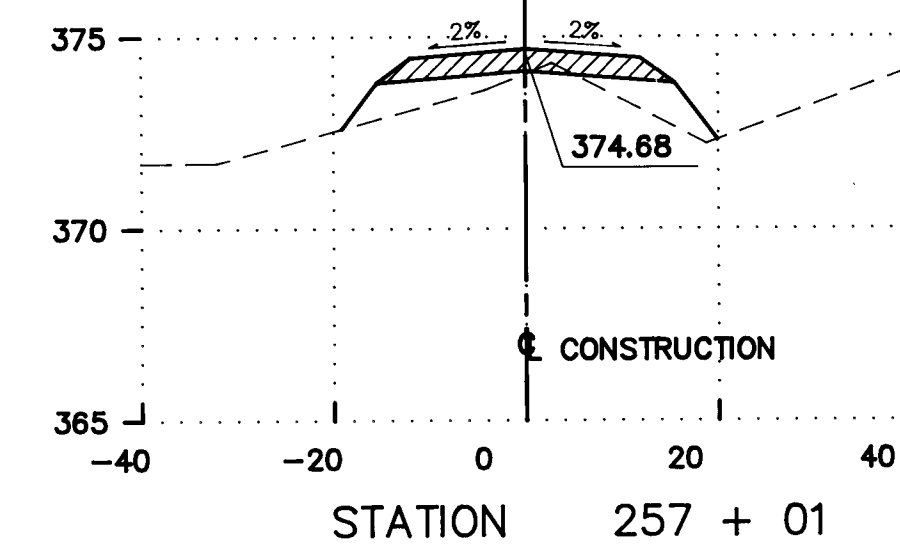
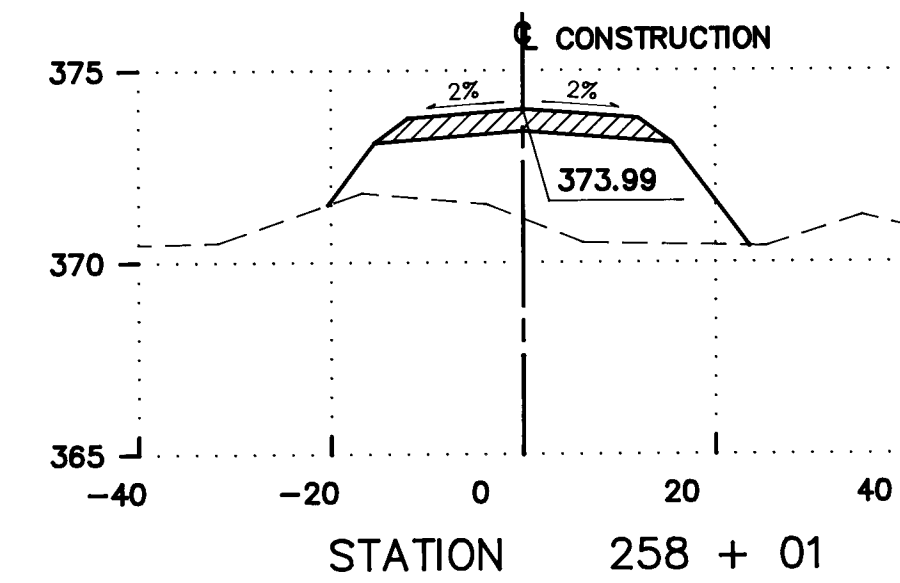
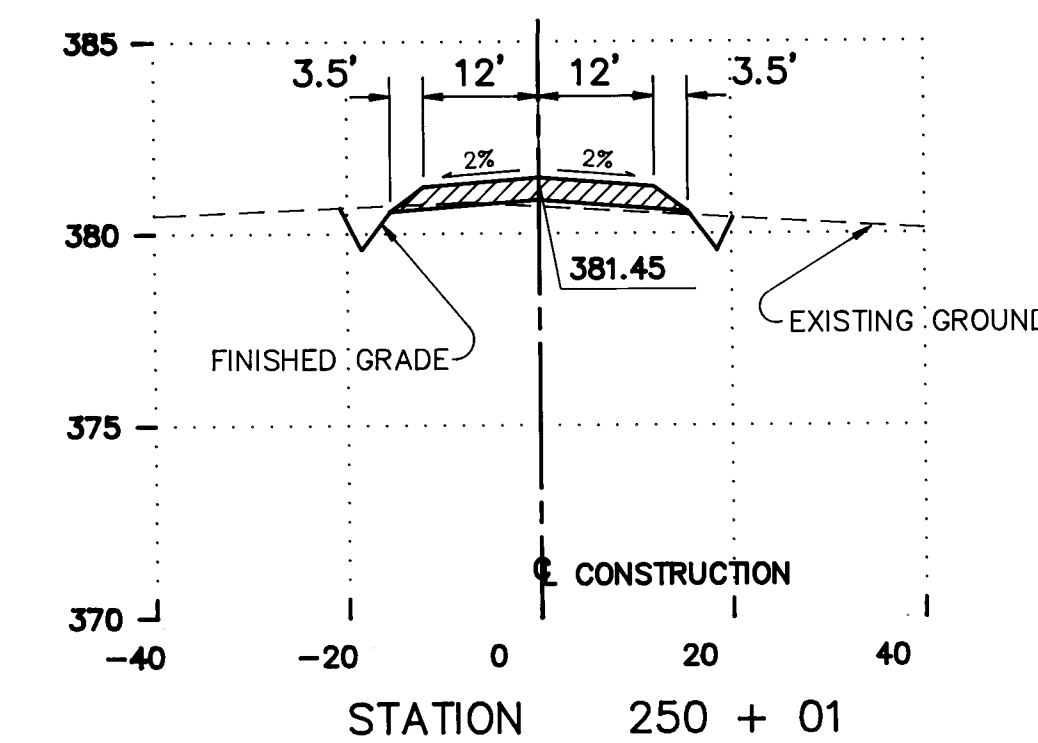
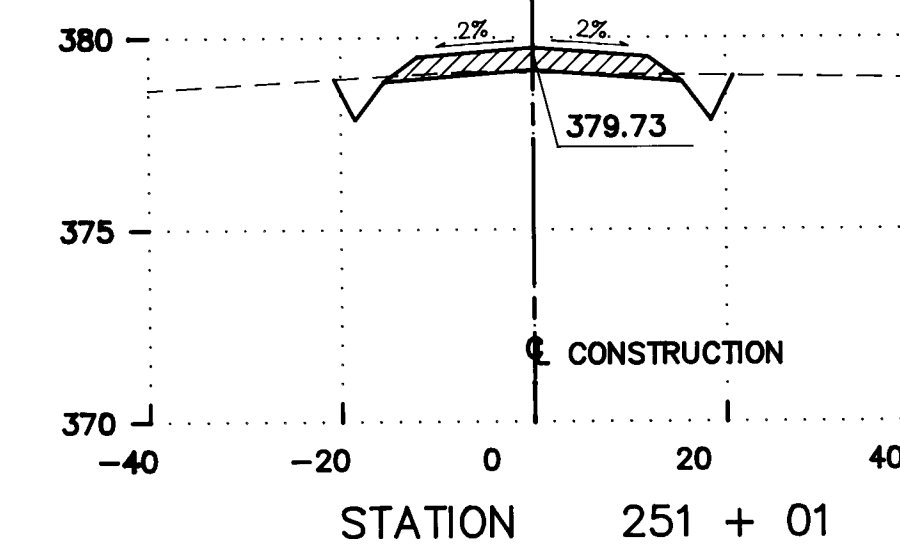
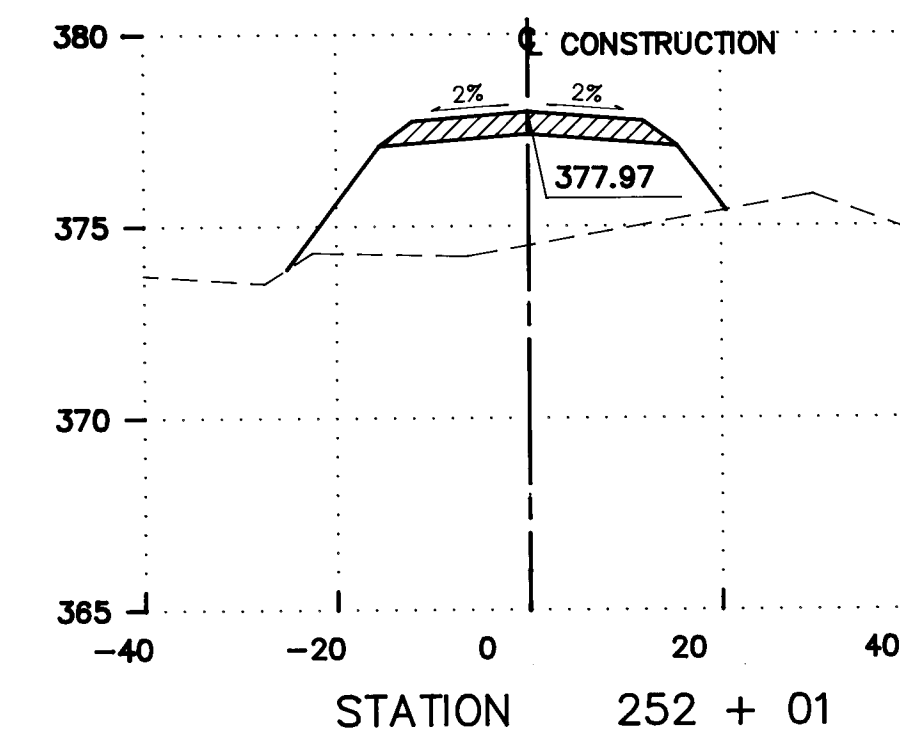
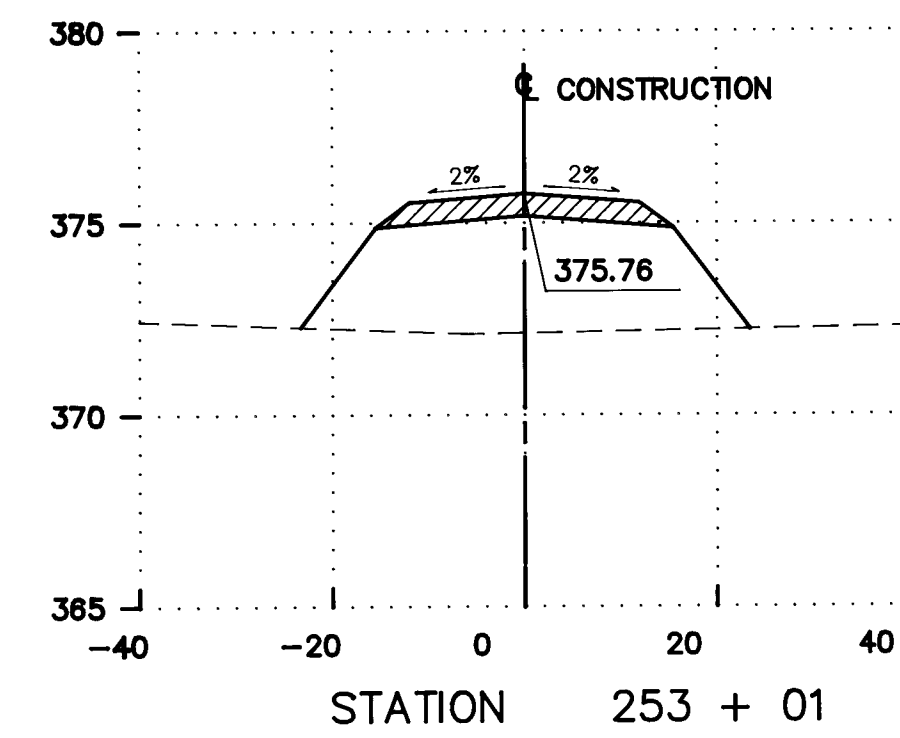
ROADWAY CROSS SECTIONS
STATION 205 + 06 TO STATION 229 + 00
PASEO DEL NORTE, WEST / PASEO DEL VOLCAN





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ROADWAY CROSS SECTIONS
STATION 230 + 00 TO STATION 249 + 01
PASEO DEL NORTE, WEST / PASEO DEL VOLCAN



26 35453092

ROADWAY CROSS SECTIONS
STATION 250 + 01 TO STATION 266 + 01
PASEO DEL NORTE, WEST / PASEO DEL VOLCAN

