

PUBLIC WORKS DEPARTMENT
CITY OF ALBUQUERQUE, NEW MEXICO

CONSTRUCTION PLANS
FOR

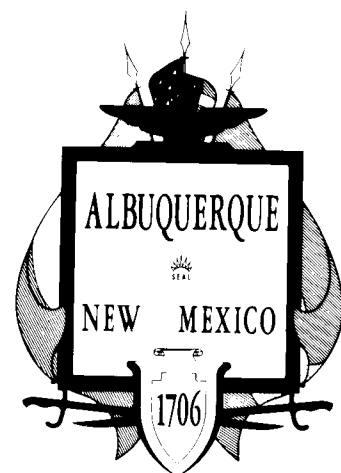
EMBUDO ARROYO
CHANNEL LINING

PHASE II

CHELWOOD PARK BOULEVARD

TO

TRAMWAY BOULEVARD

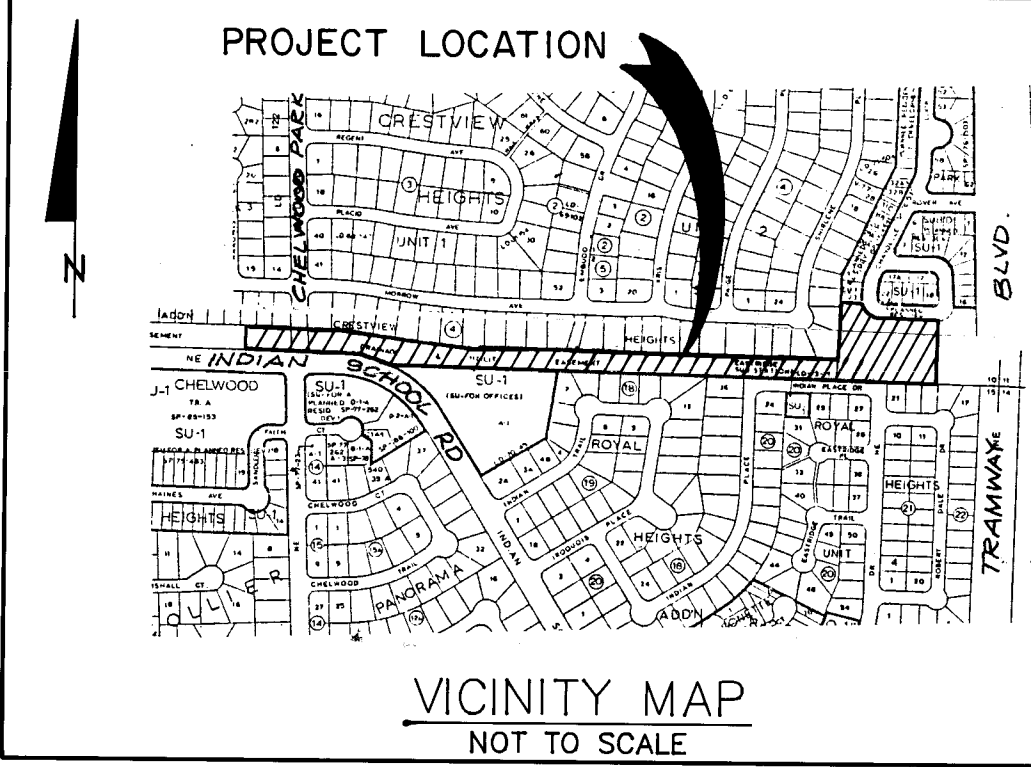


INDEX

SHEET NO.

SHEET TITLE

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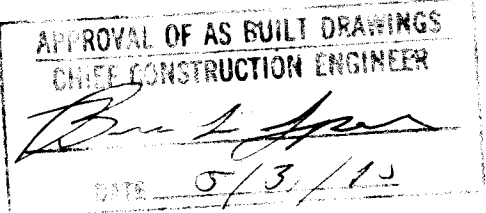


GENERAL NOTES:

1. TOPOGRAPHIC ORTHOPHOTO MAPS USED IN THE CONSTRUCTION PLANS WERE DEVELOPED FROM AERIAL PHOTOGRAPHS TAKEN ON SEPTEMBER 19, 1988.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 (REFERRED TO HEREFTER AS THE STANDARD SPECIFICATIONS).
3. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATION SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. THE CONTRACTOR SHALL EXERCISE CARE TO AVOID DISTURBING ALL EXISTING UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMAL AMOUNT OF DELAY.
6. ALL EXISTING MANHOLES AND VALVE BOXES WITHIN THE CONSTRUCTION LIMITS SHALL BE ADJUSTED TO THE NEW FINISH GRADE AS PART OF THE PAVING OPERATIONS.
7. CONTRACTOR SHALL NOTIFY THE CITY TRAFFIC ENGINEER (768-2780) THREE (3) WORKING DAYS PRIOR TO THE OPENING OF ANY DETOUR, AND SHALL ADHERE TO SECTION 19 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.
8. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVING OR CURB AND GUTTER DURING CONSTRUCTION, APART FROM ANY SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE.
9. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLITION DEBRIS. SALVAGE OF ANY MATERIAL SHALL BE IDENTIFIED BY THE ENGINEER. WORK MATERIALS SHALL BE DISPOSED OF IN CITY APPROVED WASTE AREAS SECURED BY AND AT THE EXPENSE OF THE CONTRACTOR.

THE FOLLOWING ITEMS ALSO APPLY WHEN CHECKED:

- ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☒ TACK COAT FOR SURFACE COURSE REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE NEW CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.



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



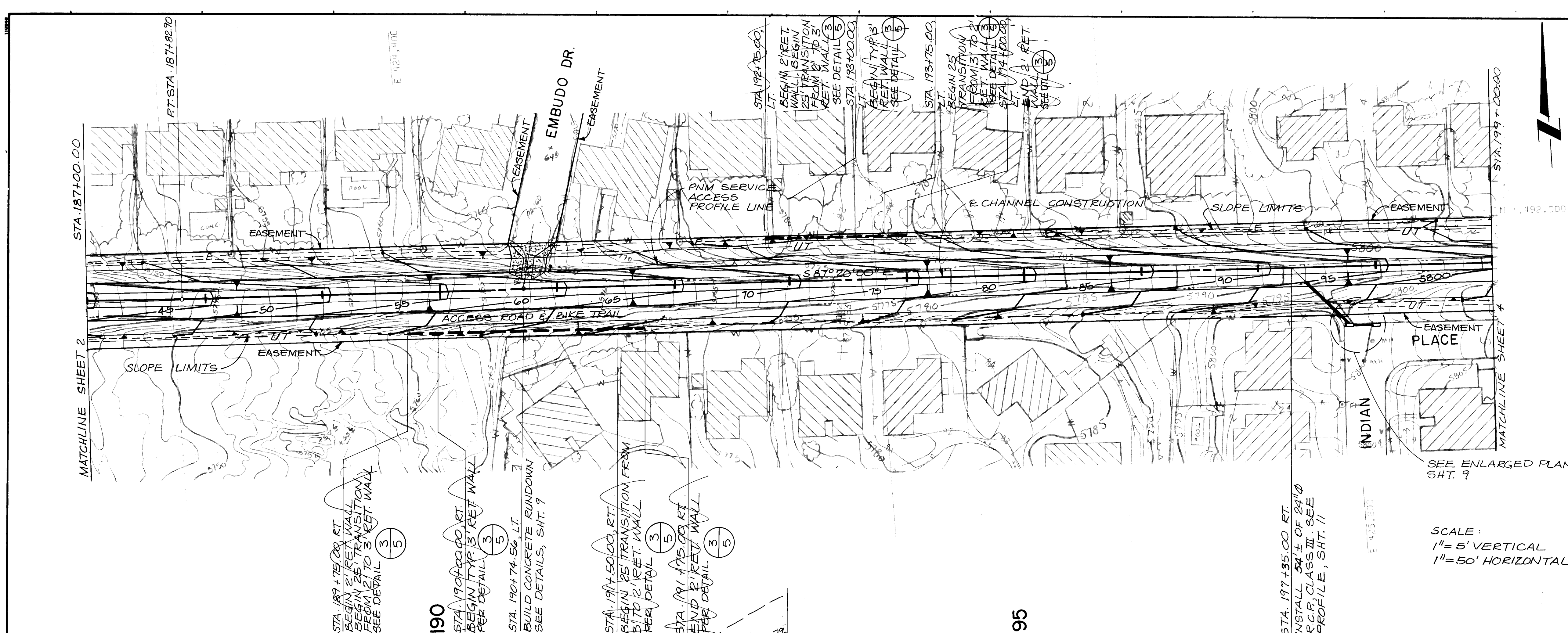
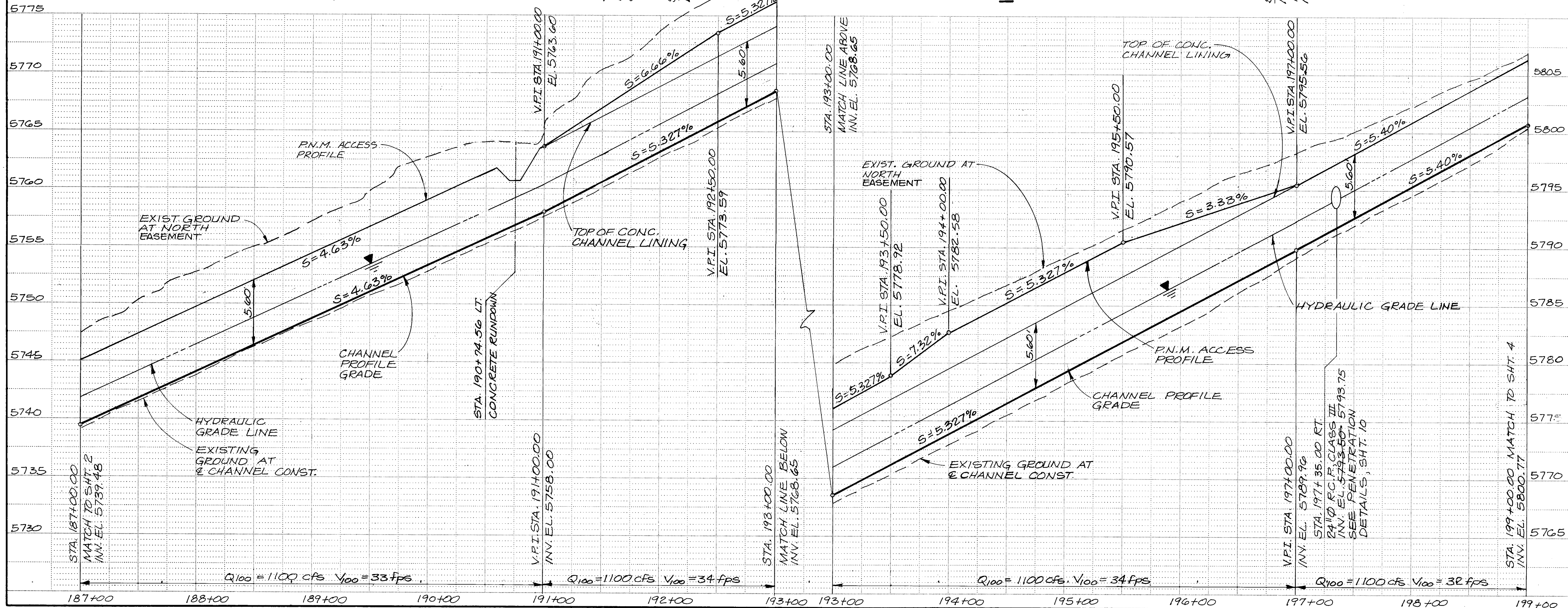
BOYLE
ENGINEERING CORPORATION

APPROVED FOR
CONSTRUCTION
Russell B. Siler 9/5/89
CITY ENGINEER DATE

PROJECT NO. 3602

PLAN SET NO.
SHEET 1 OF 20

26 36020190



LEGEND

- LP EXISTING LIGHT POLE
- PP EXISTING POWER POLE
- EXISTING MANHOLE
- EXISTING FIRE HYDRANT
- TREE OR SHRUB
- EXISTING BUILDING
- W EXISTING BLOCK WALL
- 5710 CONTOUR LINE
- OHE OVERHEAD ELECTRIC LINE
- UE UNDERGROUND ELECTRIC LINE
- G 4" HP UNDERGROUND HIGH PRESSURE GAS LINE
- UT UNDERGROUND TELEPHONE
- W 8" C.I. UNDERGROUND CAST-IRON WATER LINE
- SLOPE LIMIT LINE
- RETAINING WALL
- CONCRETE RUNDOWN
- EXISTING RIP-RAP

AS BUILT INFORMATION

CONTRACTOR: MUELLER & COMPANY
WORK: STANDARD A.C.S. BEASS CAP "UT-34"
LOCATED APPROXIMATELY 38' FT. SOUTH OF HANES AVE. N.E.
JUAN TABO BLVD. N.E. EL. = 5613.964
DATE: 11-89
DATE: 4-90
DATE: 4-90
DATE: 4-90

BENCH MARKS

STANDARD A.C.S. BEASS CAP "UT-34"
LOCATED APPROXIMATELY 38' FT. SOUTH OF HANES AVE. N.E.
JUAN TABO BLVD. N.E. EL. = 5613.964
DATE: 11-89
DATE: 4-90
DATE: 4-90
DATE: 4-90

ENGINEER'S SEAL

NO. DATE BY

REVISIONS

NO.	DATE	BY	REVISIONS
1	5/1/90	AS BUILT	

DESIGN

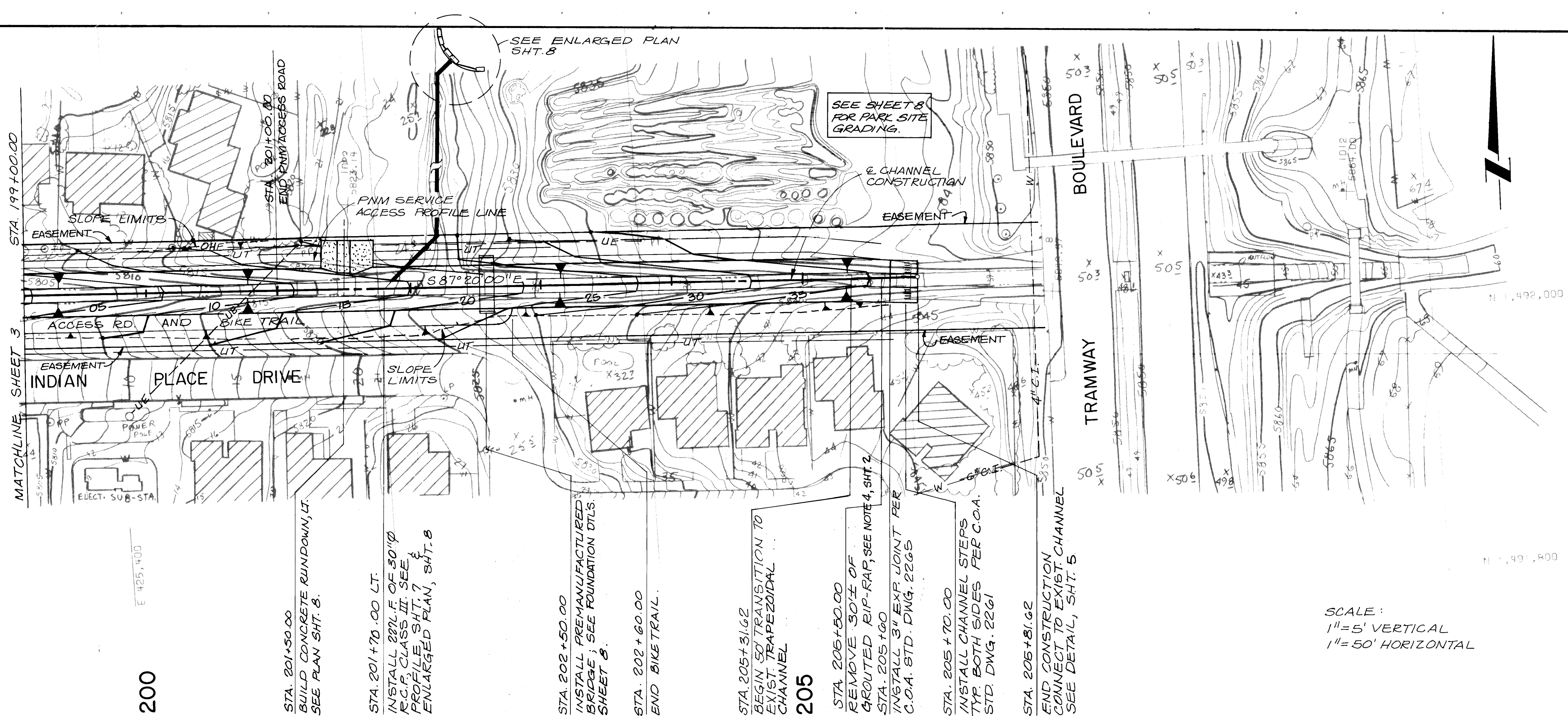
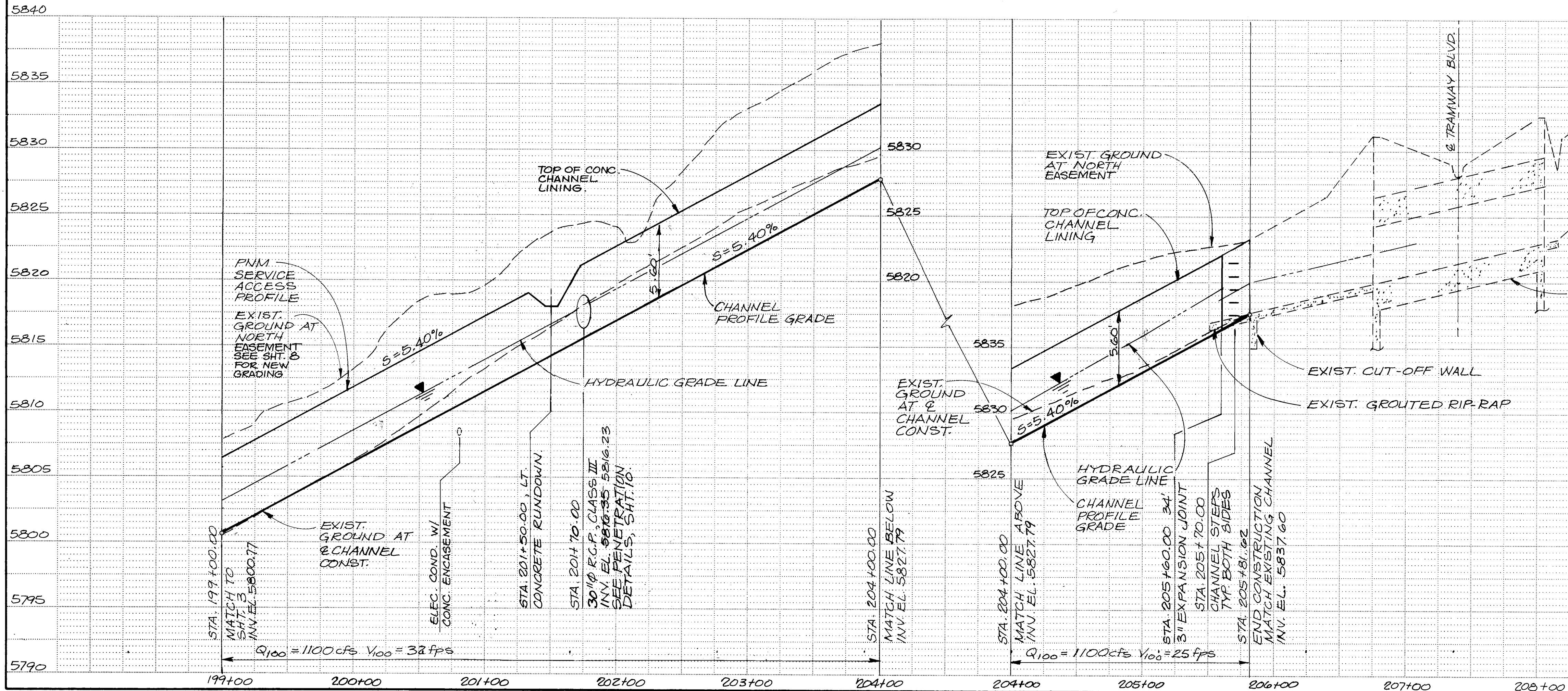
DESIGNED BY G.A.S.
DRAWN BY S.B.H./M.W.M.
CHECKED BY T.W.P.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP

TITLE: CHANNEL PLAN AND PROFILE
STA. 187+00 TO STA. 199+00
EMBUDO ARROYO CHANNEL LINING

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	R. J. R.	9-14-89			
Trans. Dev.	N/A	9-14-89			
Utility Dev.	N/A	9-12-89			
Hydrology	C.A.M.	9-14-89			

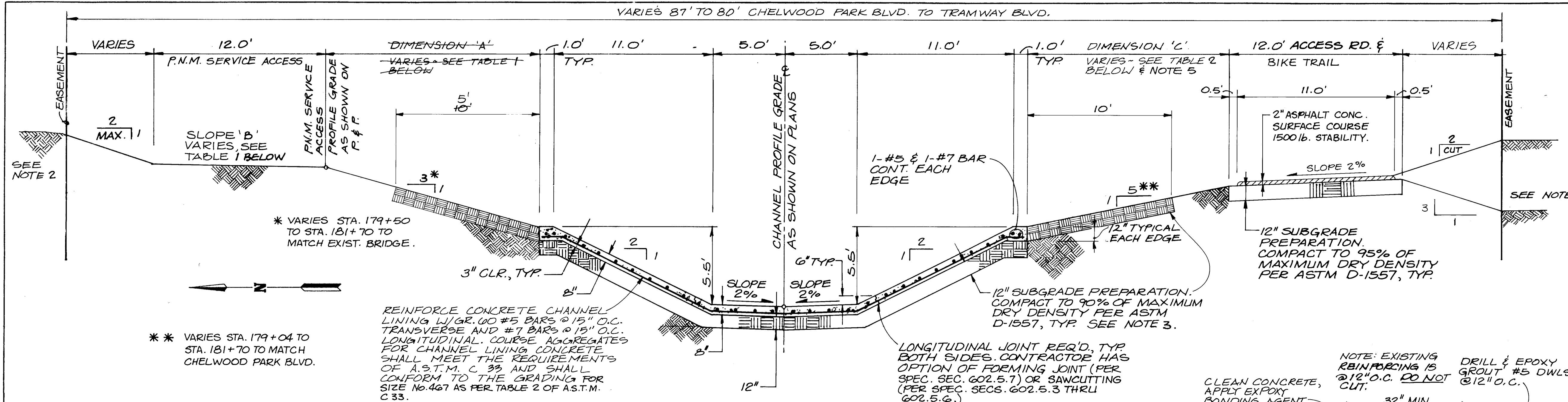
DRAWING NO. 3602
MAP NO. H-22
SHEET 3 OF 20



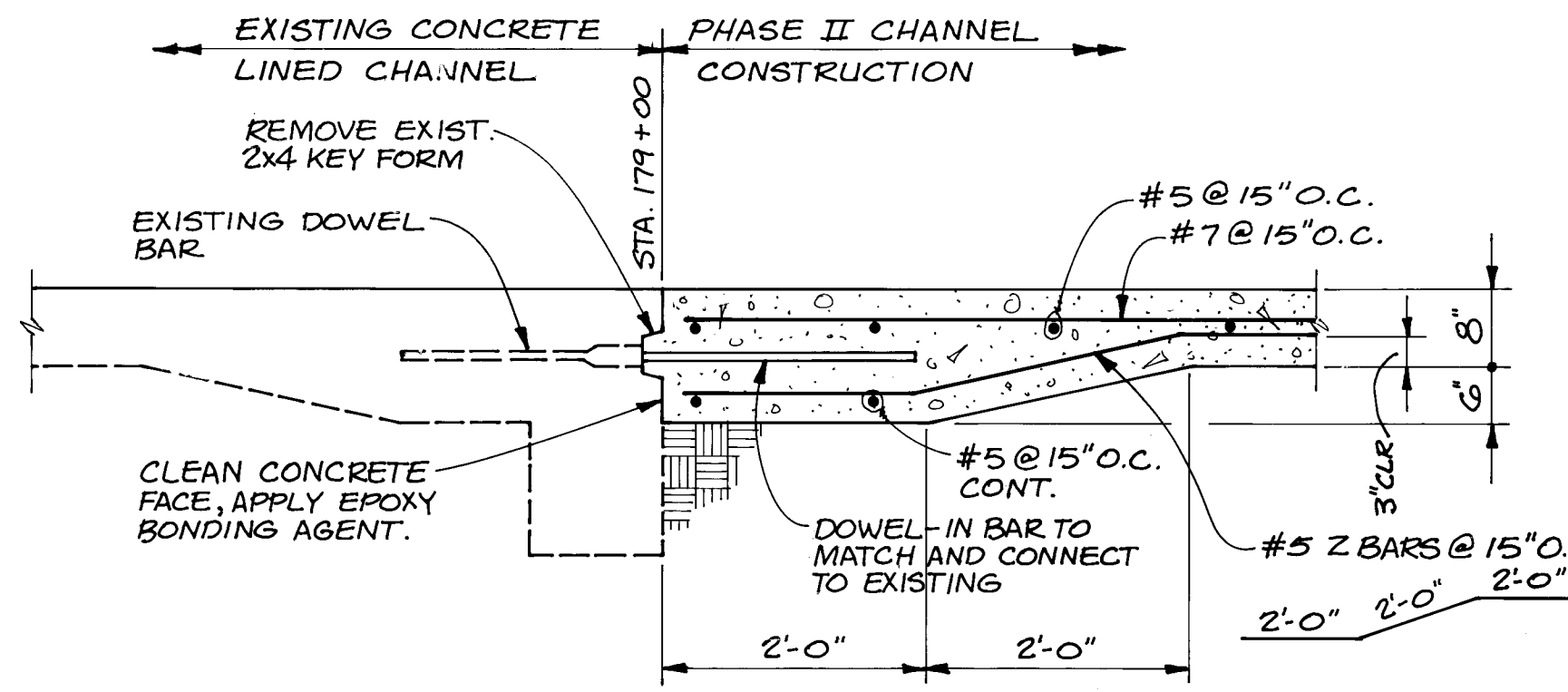
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: CHANNEL PLAN AND PROFILE STA. 199+00 TO STA. 205+81.62 EMBUDO ARROYO CHANNEL LINING					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Rose A. Rios	9-14-89			
Trans. Dev.	N.A. RUK	9-14-89			
Utility Dev.	N.A. RUK	9-12-89			
Hydrology	L.A.M.	9-14-89			
DRAWING NO.	3602		MAP NO.	H-22	
			SHEET	4	OF 20

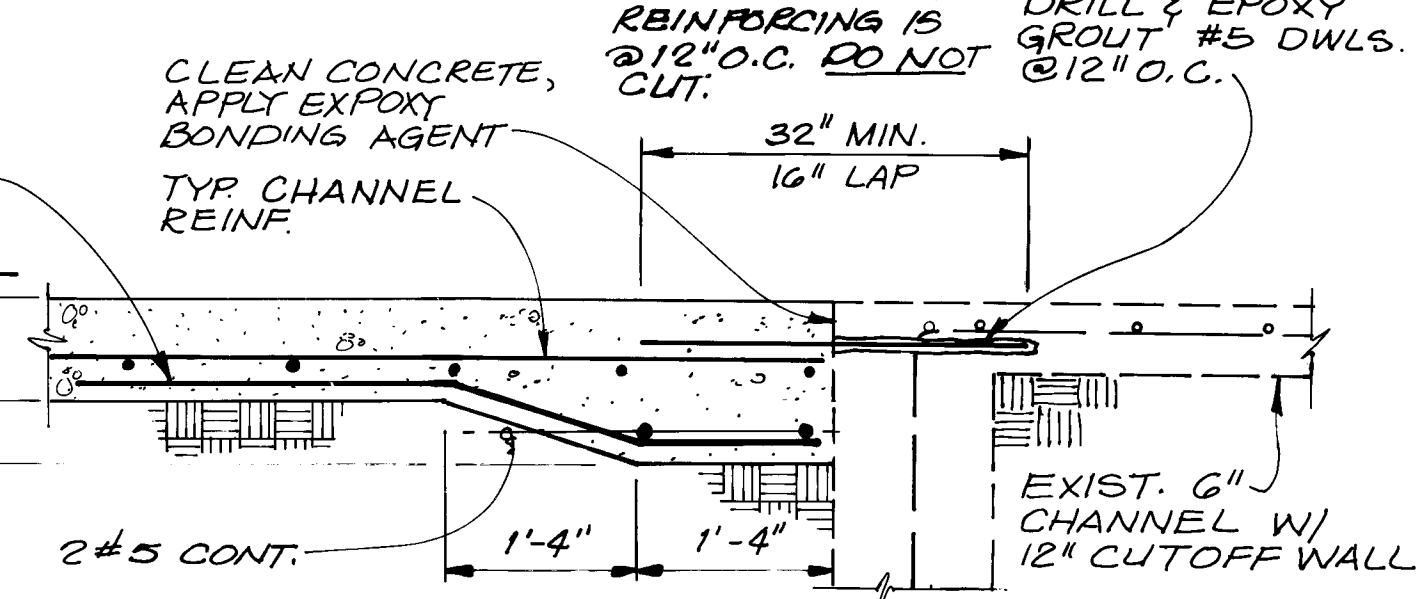
ENGINEER'S SEAL			REVISIONS			DESIGN			AS BUILT INFORMATION		
			NO. DATE			DATE			CONTRACTOR		
			BY			DATE			HAINES AVE. N.E. & JULIAN TABO		
			DATE			DATE			BLVD. N.E. EL. 5613.76-4		
			DATE			DATE			CORRECTED BY BOILE		
			DATE			DATE			MICRO-FILM INFORMATION		
			DATE			DATE			RECORDED BY		
			DATE			DATE			NO		



TYPICAL CHANNEL SECTION
SCALE: 1" = 4'



4 CONNECTION TO EXISTING CHANNEL
SCALE: 3/4" = 1'-0"



2 CHANNEL TERMINUS JOINT
NO SCALE

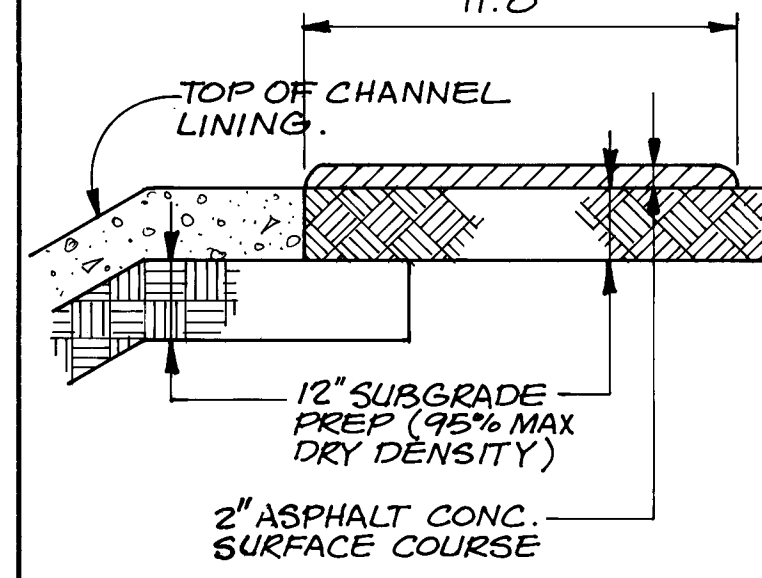
TABLE 1

STA. TO STA.	DIMENSION 'A'	SLOPE 'B'
179+00 TO 179+50	9'	2.0%
179+50 TO 180+00	VARIES TO MATCH BRIDGE	VARIES TO MATCH BRIDGE
180+70 TO 181+70	VARIES TO 9'	VARIES TO 10%
183+00 TO 184+00	9'	VARIES 10.0% TO 2.0%
184+50 TO 186+00	VARIES 9' TO 0'	2.0%
187+00 TO 188+00	0'	VARIES 2.0% TO 8.0%
191+00 TO 192+50	VARIES 0' TO 6'	8.0%
193+50 TO 194+00	VARIES 6' TO 9'	VARIES 8.0% TO 10.0%
195+50 TO 197+00	VARIES 9' TO 0'	10%
201+18 TO 205+82	MATCH PARK SITE GRADING	MATCH PARK SITE GRADING

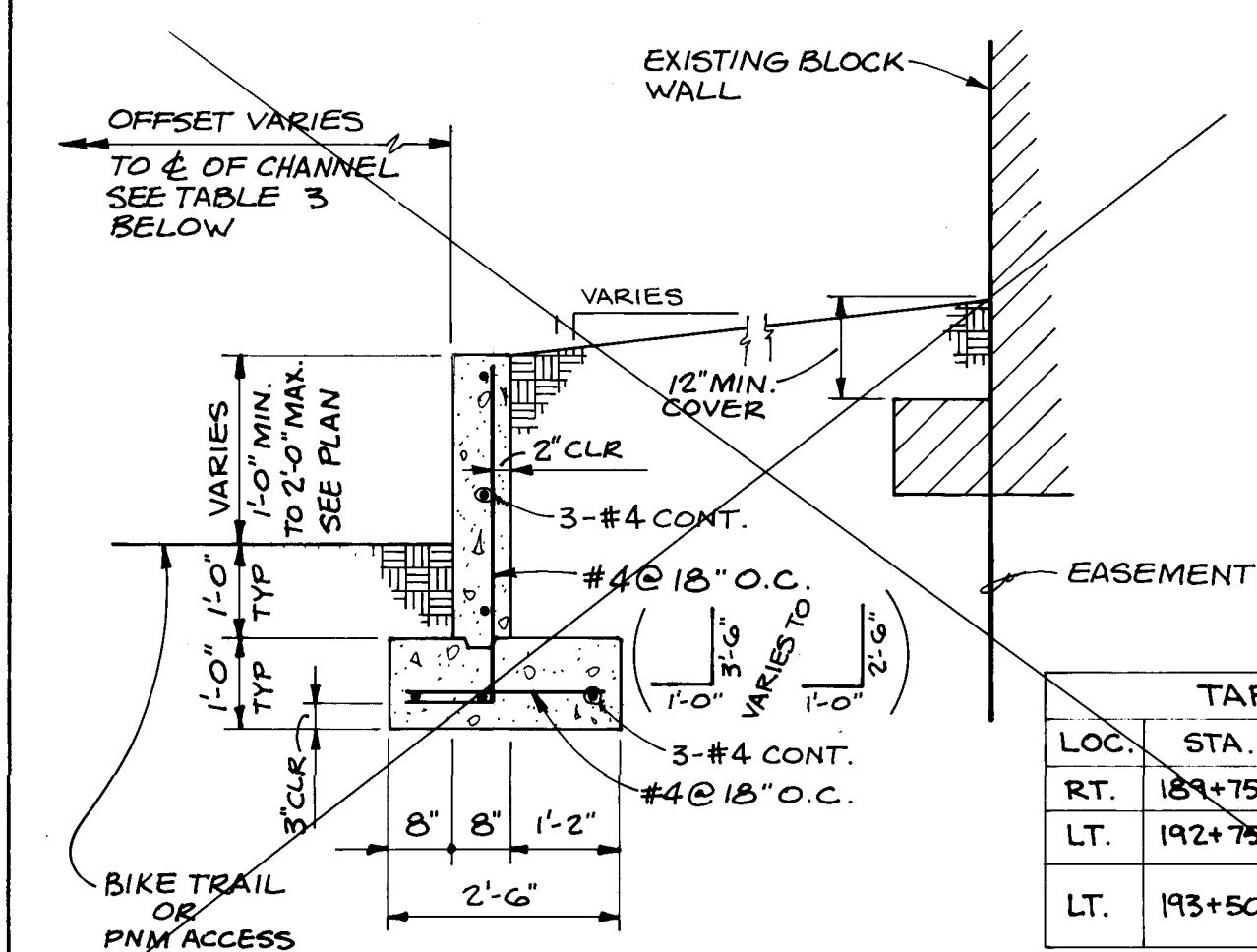
TABLE 2

STA. TO STA.	DIMENSION 'C'
179+04 TO 181+70	VARIES TO MATCH CHELWOOD PARK BLVD.
181+70 TO 182+00	VARIES 10' TO 5'
182+00 TO 183+00	VARIES 5' TO 3'
183+00 TO 184+00	VARIES 3' TO 0'
184+00 TO 185+00	VARIES 0' TO 5'
185+00 TO 186+00	VARIES 5' TO 0'
186+00 TO 187+00	VARIES 0' TO 10'

- CONSTRUCTION NOTES:**
- ALL STEEL REINFORCEMENT SHALL BE GRADE 60 IN CONFORMANCE WITH SECTION 102 OF THE STANDARD SPECIFICATIONS.
 - WARP SLOPES WHERE REQ'D. TO REMAIN WITHIN EASEMENT.
 - SUBGRADE PREPARATION SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE CHANNEL LINING AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFOR.
 - PAYMENT FOR ACCESS ROAD SUBGRADE PREPARATION WILL BE MADE AT THE UNIT PRICE FOR BID SPECIFICATION ITEM 0301.02 SUBGRADE PREPARATION FOR ARTERIAL/COLLECTOR ROADWAYS, AS STATED IN THE BID PROPOSAL.
 - AT LOCATION WHERE DIMENSION 'C' IS 0.00; ABUT 2" ASPHALT CONCRETE SURFACE COURSE AGAINST CONCRETE LINING AS SHOWN BELOW.



1 NOT USED



3 RETAINING WALL
SCALE: 1/2" = 1'-0"

TABLE 3

LOC.	STA. TO STA.	OFFSET
RT.	189+75 TO 191+75	34'
LT.	192+75 TO 193+50	35'
LT.	193+50 TO 194+00	VARIES 35' TO 50'

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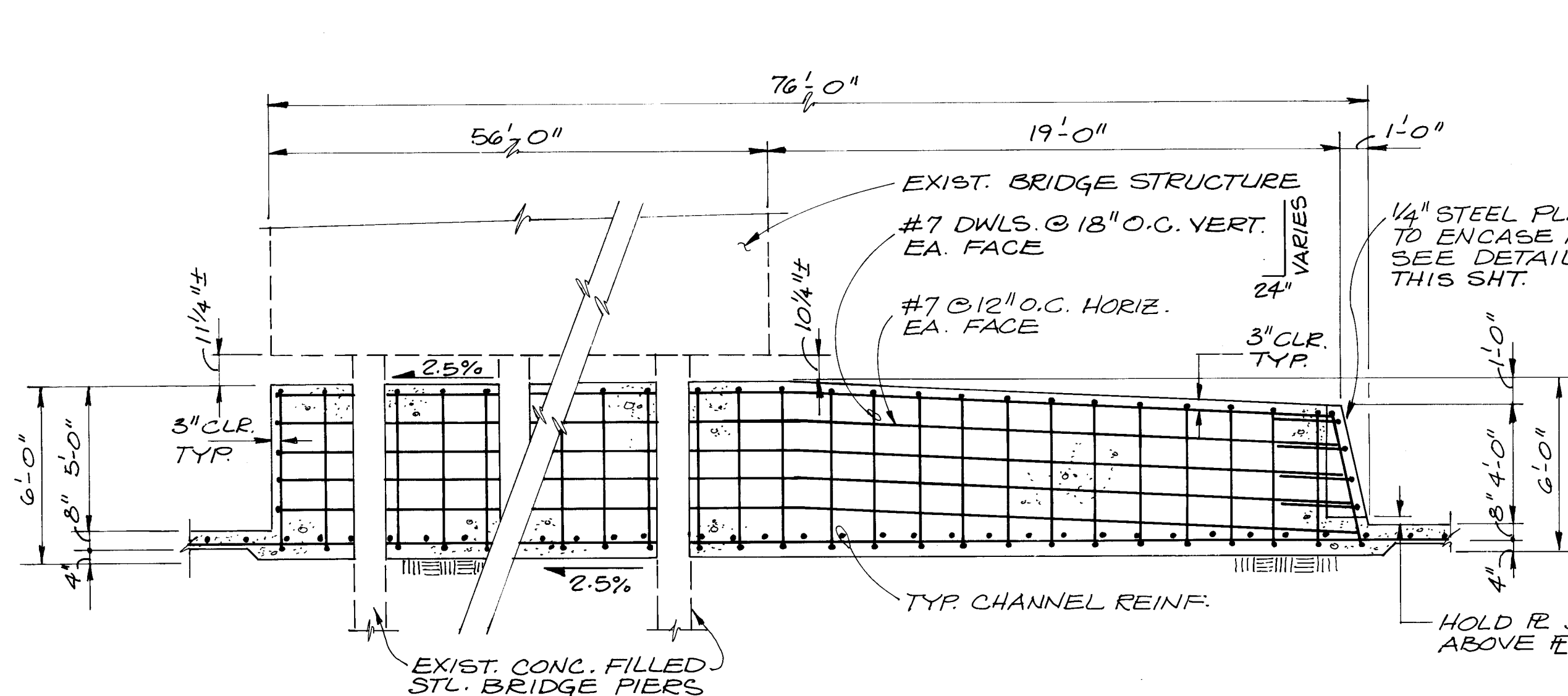
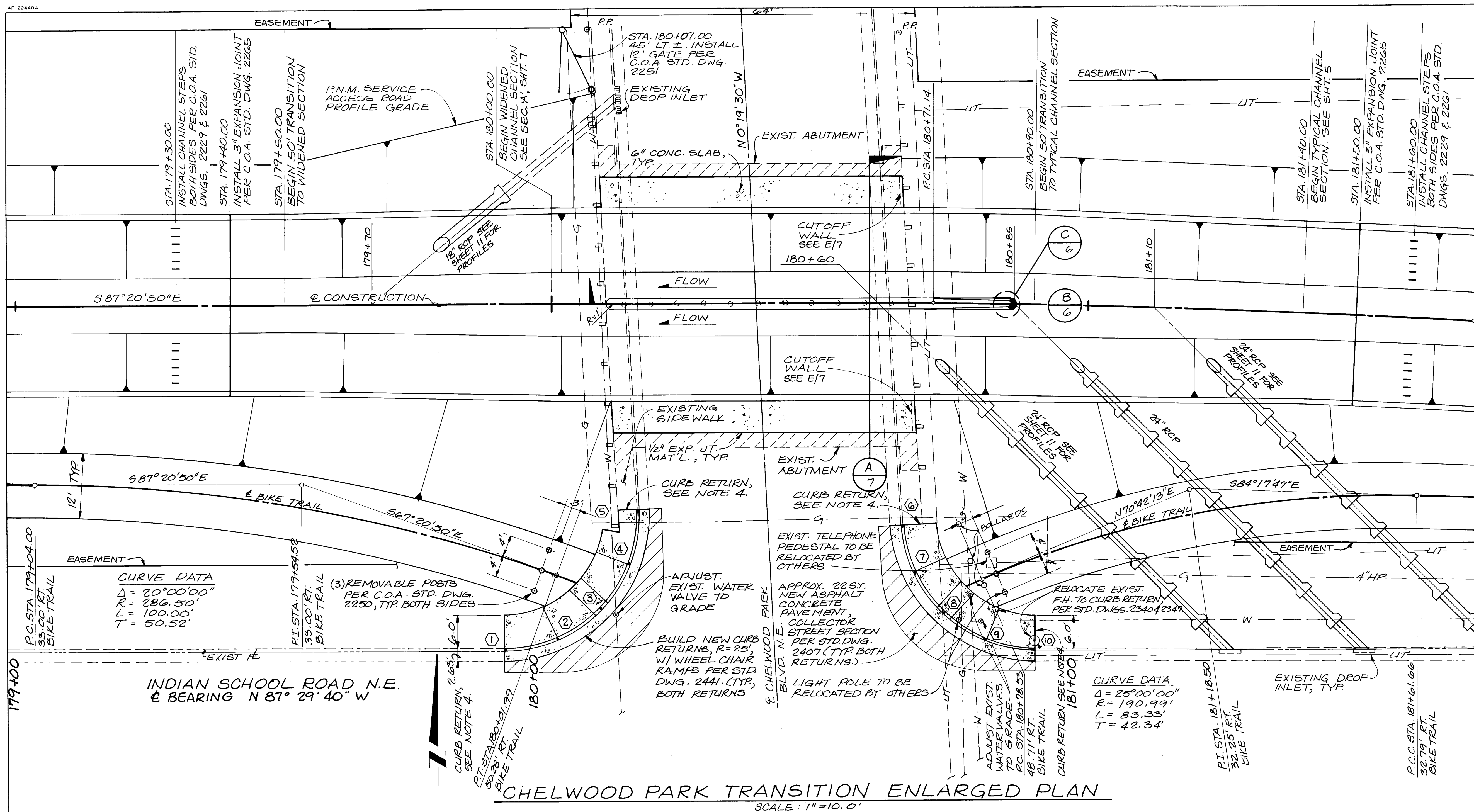
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TYPICAL CHANNEL SECTION & DETAILS
EMBUDO ARROYO CHANNEL LINING

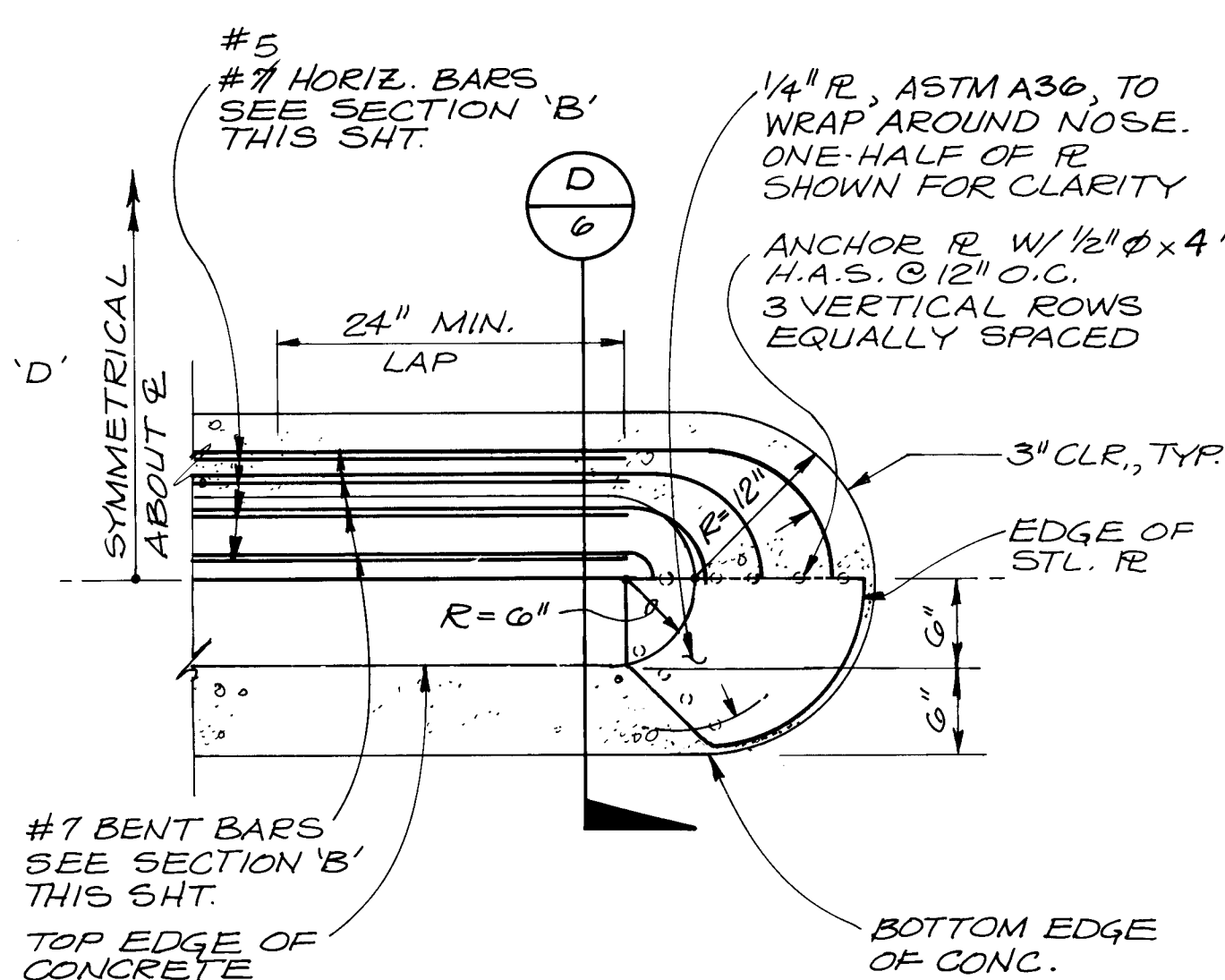
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger A. Perea	9-14-89			
Trans. Dev.	N/A	9-14-89			
Utility Dev.	N/A	9-12-89			
Hydro.	CAM	9-14-89			

DESIGNED BY GAS
DRAWN BY B.E.C.
CHECKED BY T.W.P.

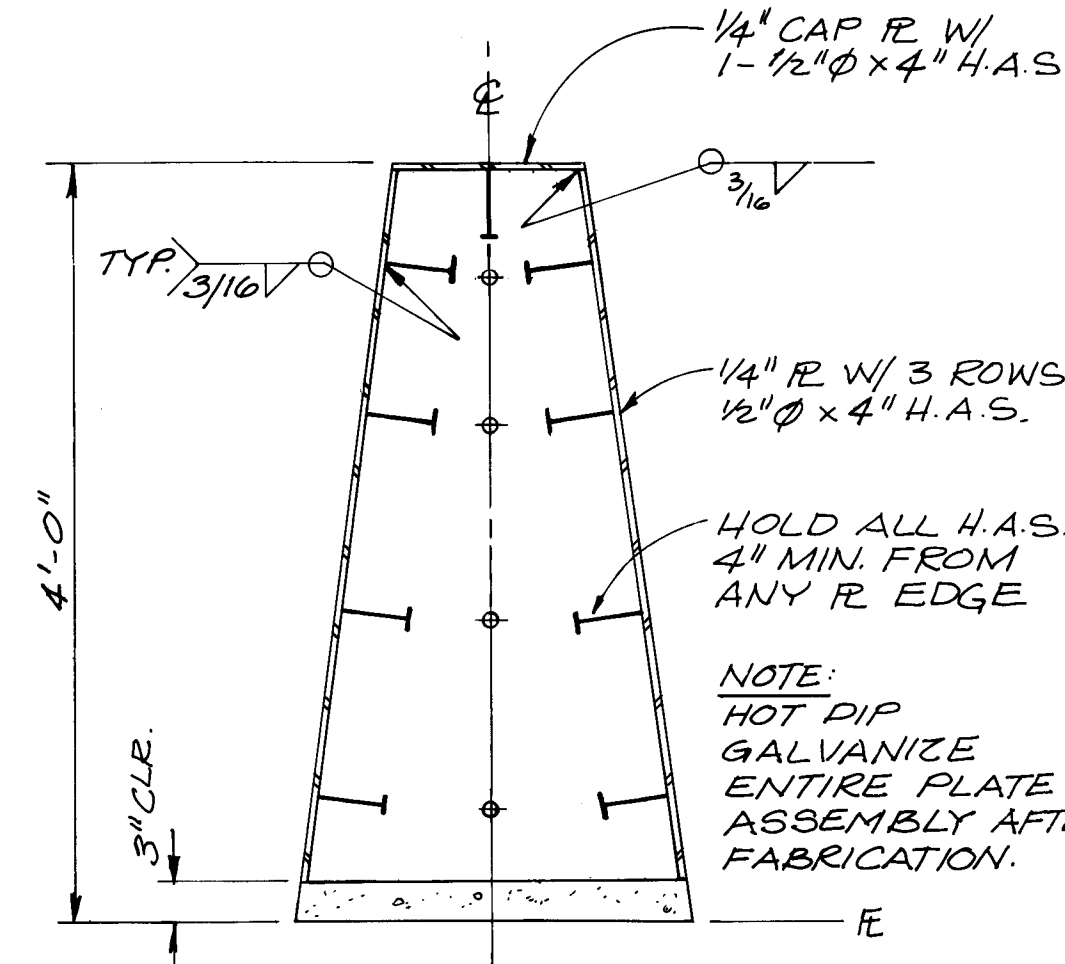
DRAWING NO. 3602
MAP NO. H-22
SHEET 5 OF 20



 SECTION
SCALE: $\frac{1}{4}'' = 1'-0''$



 **DETAIL**
SCALE: 1" = 1'-0"



 SECTION
NO SCALE

CONSTRUCTION NOTES:

1. PLACE CONCRETE CHANNEL LINING BENEATH EXISTING BRIDGE. BRIDGE DECK NOT SHOWN FOR CLARITY.
2. REMOVAL OF EXISTING ASPHALT CURB & GUTTER, SIDEWALK, CONCRETE RUMDOWN & OTHER MISCELLANEOUS EXISTING STRUCTURES SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR DRAINAGE STRUCTURES, REMOVAL & DISPOSAL, AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFOR.
3. REMOVAL OF EXISTING C.M.P. & R.C.P. SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR THE DRAINAGE STRUCTURE, REMOVAL AND DISPOSAL, AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFOR.
4. REMOVE EXISTING CURB & GUTTER & SIDEWALK TO NEAREST JOINT PAST CURB RETURN. REPLACE W/ NEW CITY STANDARD CURB & GUTTER AND 6' SIDEWALK. END NEW SIDEWALK AT CURB RETURN. ON INDIVIDUAL SCHOOL ROAD, MODIFY WIDTH AS NEEDED ON CHILWOOD PARK TO MISS EXISTING BRIDGE STRUCTURE AND RAILING. SEE TABLE 'A' BELOW FOR QUARTER POINT ELEVATIONS.

SURVEY INFORMATION		BENCH MARKS	AS BUILT INFORMATION	
FIELD NOTES			CONTRACTOR	
NO.	BY	DATE	WORK STARTED BY	DATE
			STANDARD A.C.S. BRASS CAP "UT-34"	
			LOCATED APPROXIMATELY 38 FEET SOUTH OF HAINES AVE. N.E. & JUAN TABO BLVD. N.E. EL=5613.964	
			FIELD OBSERVATION BY	DATE
			REVISIONS CORRECTED BY	DATE
			MICRO-FILM INFORMATION	
			RECORDED BY	DATE
			NO	



RECORD DRAWING

THIS IS A RECORD DRAWING OF THE FACILITIES IDENTIFIED IN
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THE BASIS OF INFORMATION SUPPLIED AND FURNISHED BY
THE PERSON OR PERSONS WHOSE NAMES AND OTHER (S) WILL NOT
BE RESPONSIBLE FOR THE ACCURACY OF THE MISSION (S) WHICH
WAS OR WERE BEING CARRIED OUT AT THE TIME THE ACTUAL
DRAWING WAS MADE. THE CONDITIONS SHOWN ON THIS
DRAWING ARE NOT GUARANTEED. THE PERSONS WHOSE NAMES MAY BE
MENTIONED HEREIN ARE NOT GUARANTEED. THE ACCURACY OF ANY FACILITY IS REQUI-
RED BY THE PERSON OR PERSONS WHOSE NAMES ARE LISTED IN THE PRE-
SENCE OF AN EMPLOYEE WHOSE NAME IS LISTED IN THE PRESENCE OF
THE DRAWING. THE DRAWING IS NOT TO BE USED FOR ANY OTHER PURPOSE.

TABLE A
(BACK OF CURB RETURNS)

LOCATION POINT	ELEVATION
①	5714.56'
②	14.88'
③	14.53'
④	15.52'
⑤	15.84'
⑥	17.29'
⑦	17.31'
⑧	16.79'
⑨	17.72'
⑩	5718.00'

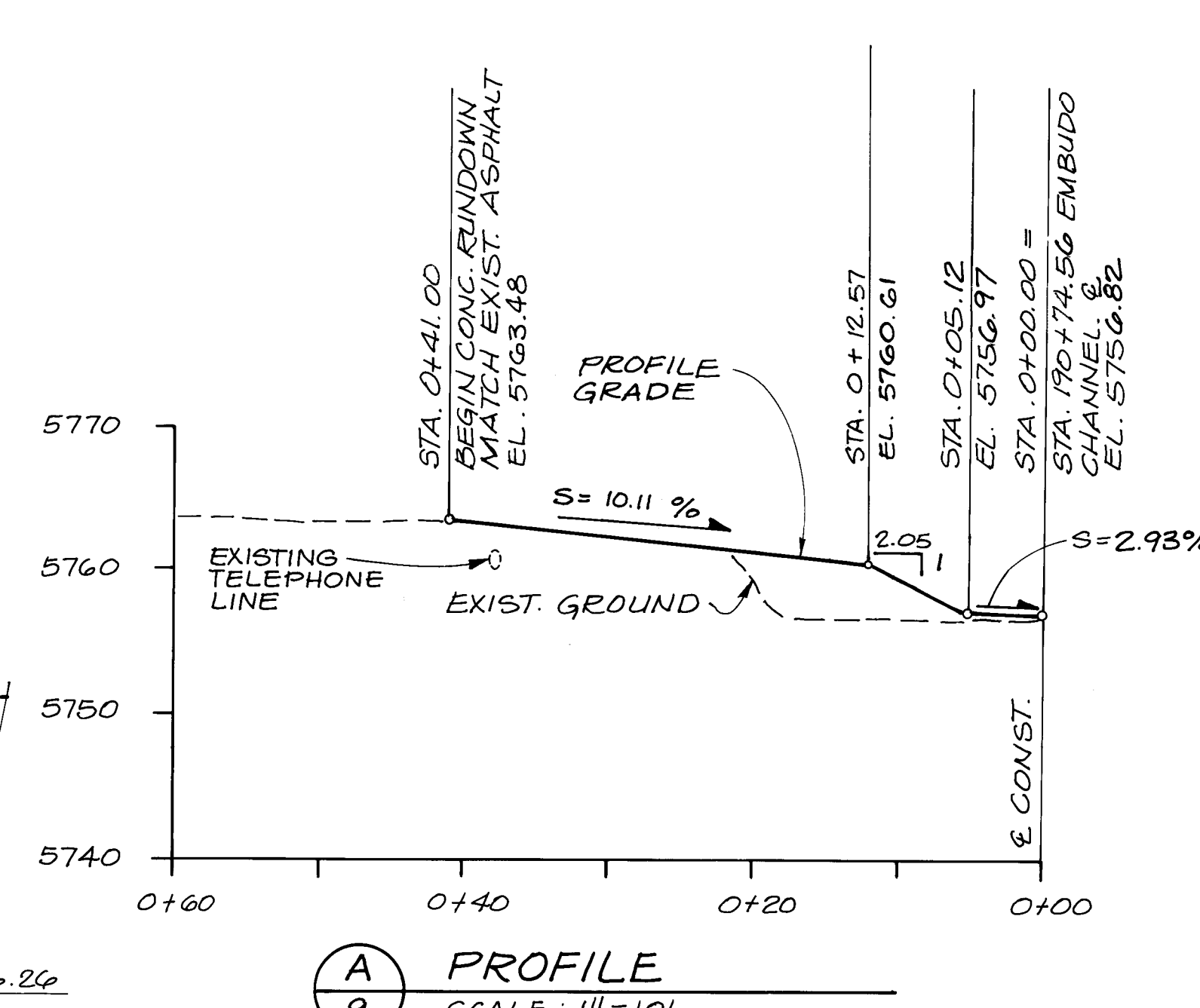
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DESIGNED BY	DATE	7/89	
DRAWN BY	DATE	7/89	
CHECKED BY	DATE	7/89	
REVISIONS			
NO.	DATE	REMARKS	
Δ	5/11/90	AS BUILT	B
			M

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

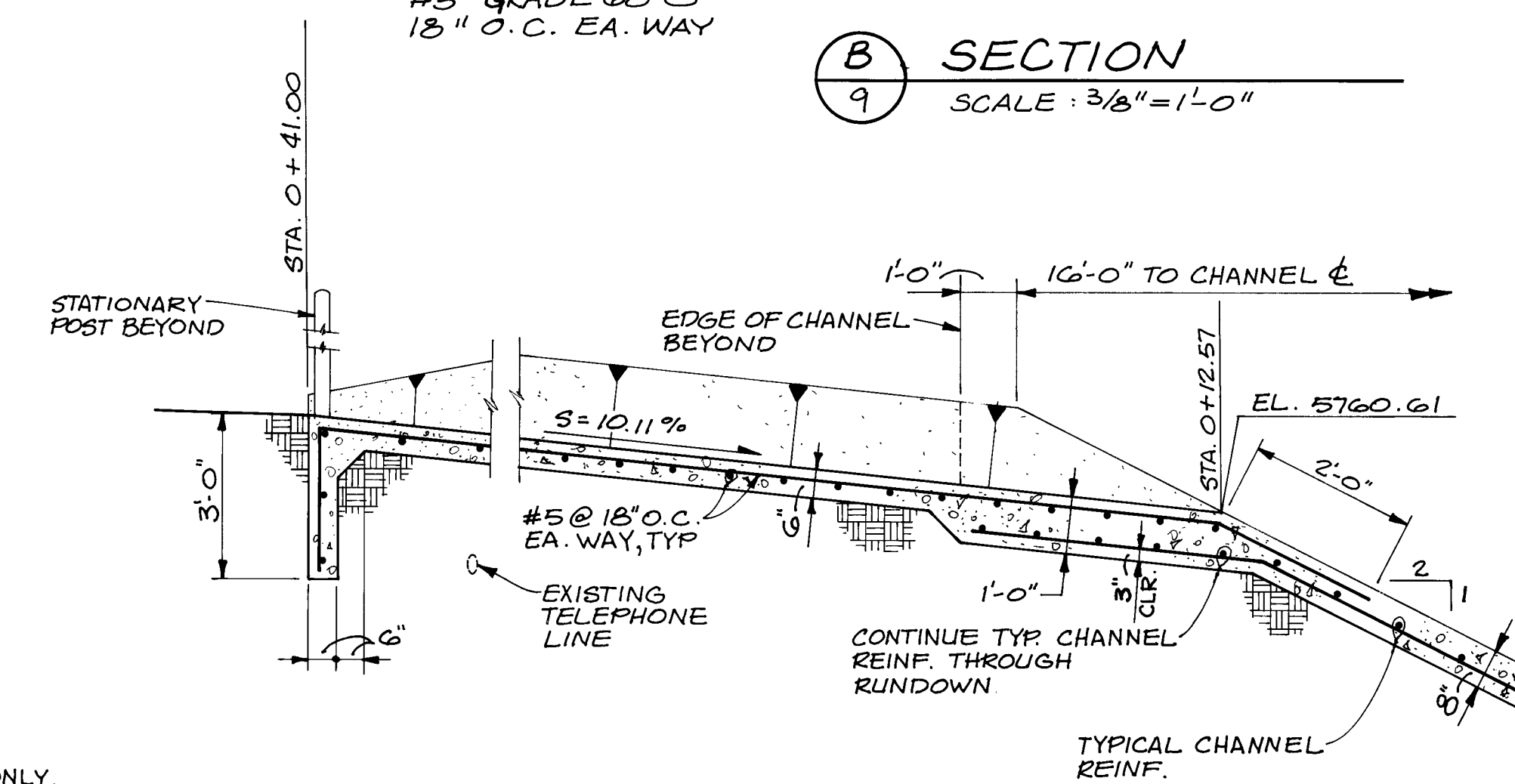
TITLE:	CHELWOOD PARK TRANSITION PLAN AND DETAILS
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EMBUDO ARROYO CHANNEL LINING			EMBUDO ARROYO CHANNEL LINING		
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>Roger A. Green</i>	9-14-89			
Trans. Dev.	<i>RHD</i>	9-14-89			
Utility Dev.	<i>N/A RWK</i>	9-12-89			
Hydro logy	<i>CAM</i>	9-14-89			

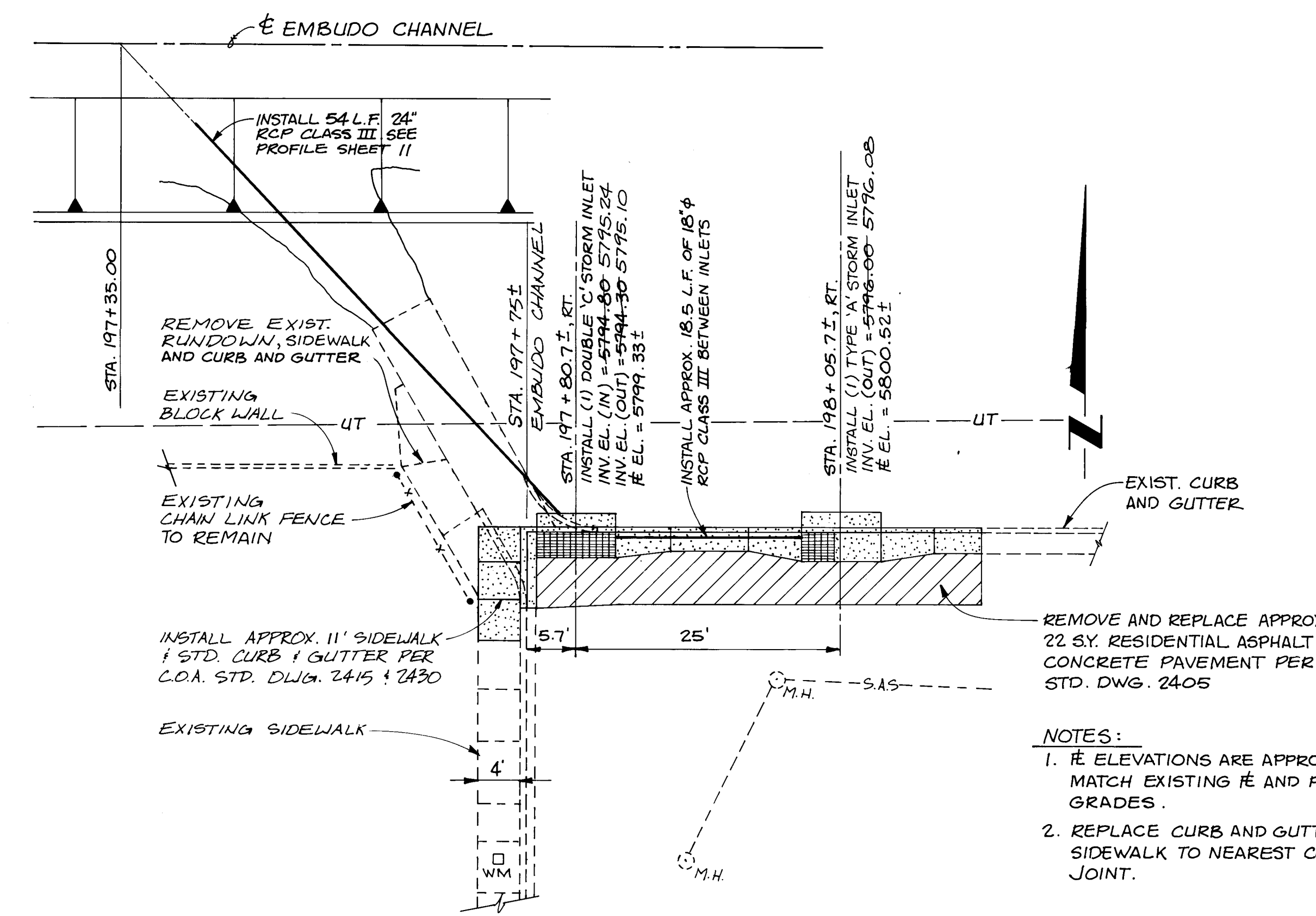
DRAWING NO.	3602	MAP NO. H-22	SHEET 6	OF 20
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A hand-drawn technical sketch of a road cross-section. The top horizontal axis shows various segments with dimensions: 1'-0", 9'-0", 36'-2" @ EMBUDO DR., 36'-1" @ PARK SITE, 10'-0", 15'-2" @ EMBUDO DR., 17'-1" @ PARK SITE, and 1'-0". Below this, a profile line represents the ground surface, with points labeled 1 through 8. Vertical dimensions from the profile line include 10'-3/4", 6", and 3' CLR, TYP. A note on the left specifies "#5 GRADE 60 @ 13" O.C. EA. WAY". At the bottom center is a circular callout containing the letter "B" above the number "9". To its right, the text reads "SECTION" followed by "SCALE : 3/8\" = 1'-0\"".



SECTION
SCALE: $3/8" = 1'-0"$



PLAN — INDIAN PLACE D.I's
SCALE: 1" = 10'

- NOTES:
1. ∇ ELEVATIONS ARE APPROXIMATE ONLY. MATCH EXISTING ∇ AND PAVEMENT GRADES.
 2. REPLACE CURB AND GUTTER AND SIDEWALK TO NEAREST CONSTRUCTION JOINT.

1. EXISTING UTILITIES SHOWN ARE FOR CONTRACTOR'S REFERENCE ONLY. EXACT DEPTH AND LOCATIONS MAY VARY UPON FIELD VERIFICATION. SEE NOTES 3, 4 AND 5 ON SHEET 1.

SURVEY INFORMATION		BENCH MARKS	AS BUILT INFORMATION	
NO.	FIELD NOTES		CONTRACT NO.	DATE
	BY	STANDARD A.C.S. BRASS CAP "JT-34"	WORK STARTED BY	DATE
	DATE	LOCATED APPROXIMATELY 38 FEET SOUTH OF HAINES AVE. N.E. & JUAN TABO BLVD. N.E. EL. = 5613.964	INSPECTED BY	DATE
			FIELD MEASUREMENTS BY	DATE
			VERIFICATION BY	DATE
			DRAWN BY	DATE
			MICRO-FILM INFORMATION	
			RECORDED BY	DATE
			NO	

[illegible]

7	2	3	4	5	6	7	8	9	10	11	12
2	6		3	6	0	2	0	9	7	0	

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NO CONTRACTING OR CONSTRUCTION OF ANY FACILITIES OR CONDITIONS WILL BE UNDERTAKEN UNDER THE CONDITIONS SHOWN HEREON AND OF COURSE THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROTECTION OF THE FACILITIES AND CONDITIONS SHOWN HEREON.

THE FACILITIES SHOWN HEREON ARE NOT TO BE USED IN THE PRESENCE OF AN EMPLOYEE OF THE DISTRICT OR THE OWNER (S) OF THE FACILITIES SHOWN.

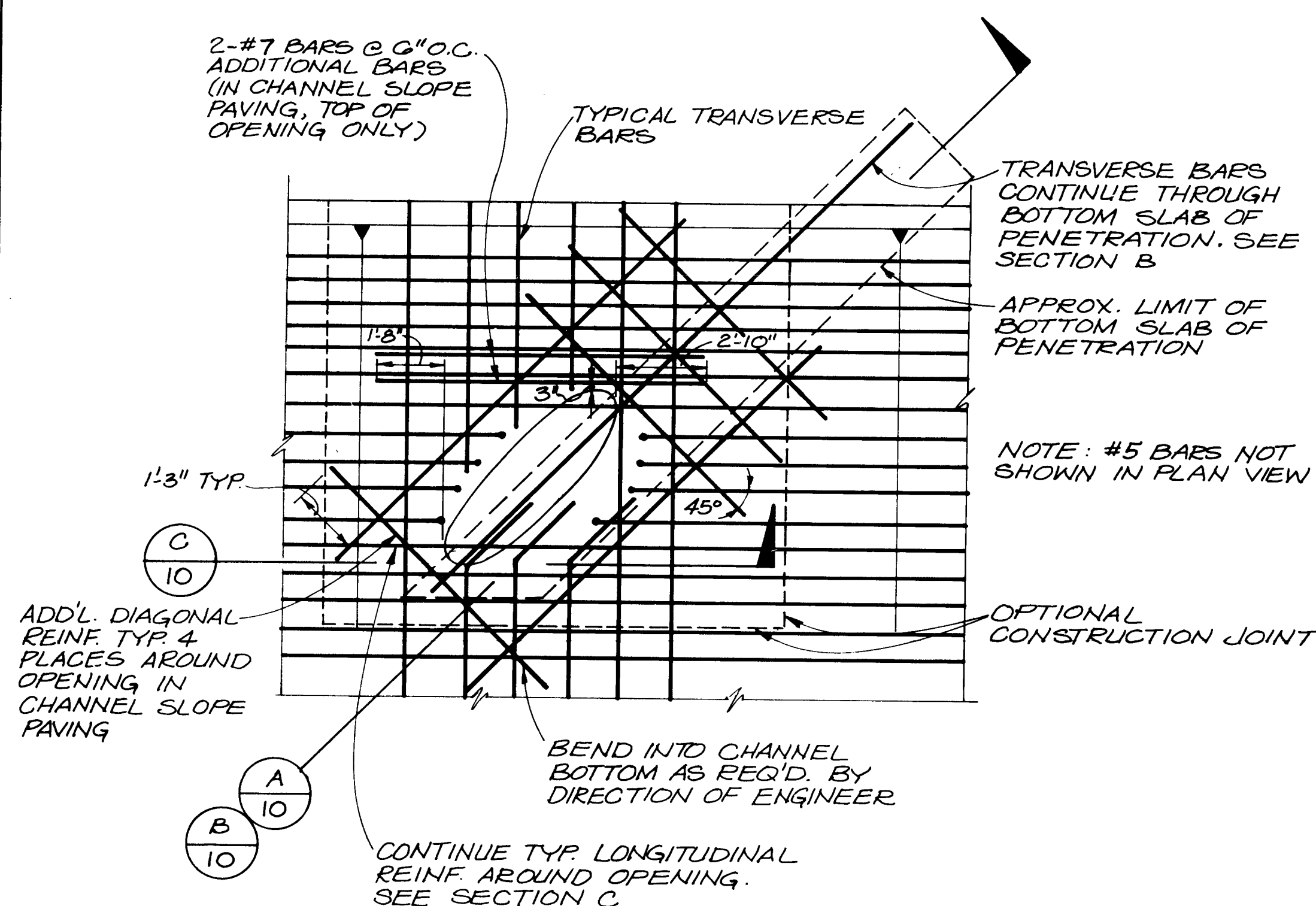
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: MISCELLANEOUS CHANNEL DETAILS

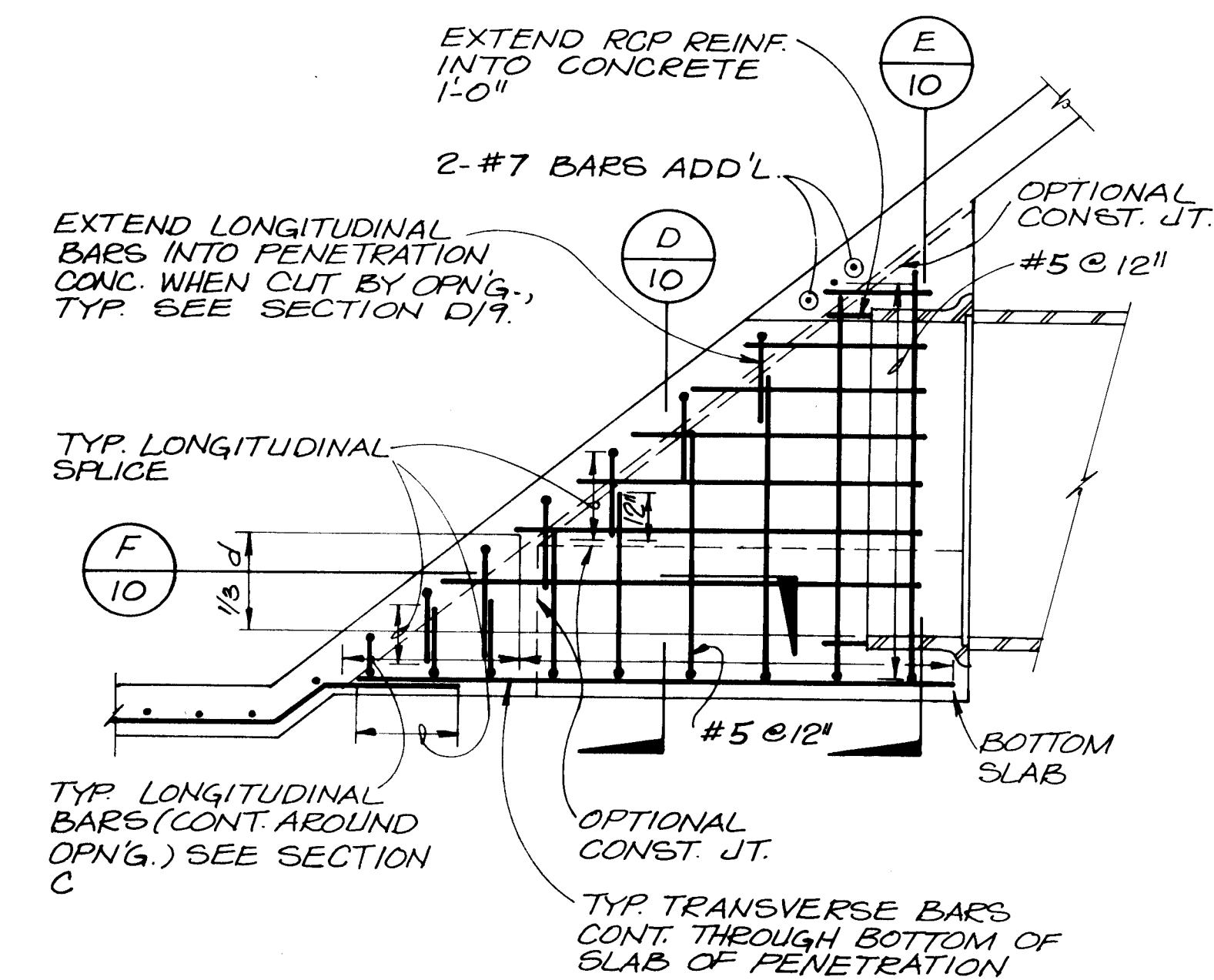
EMBUDO ARROYO CHANNEL LINING

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chair	<i>Robert J. Khan</i>	9-14-89			
Trans. Dev	<i>NA RHO</i>	9-14-89			
Utility Dev	<i>NA RUK</i>	9-12-89			
Hydrology	<i>C.R.M.</i>	9-14-89			

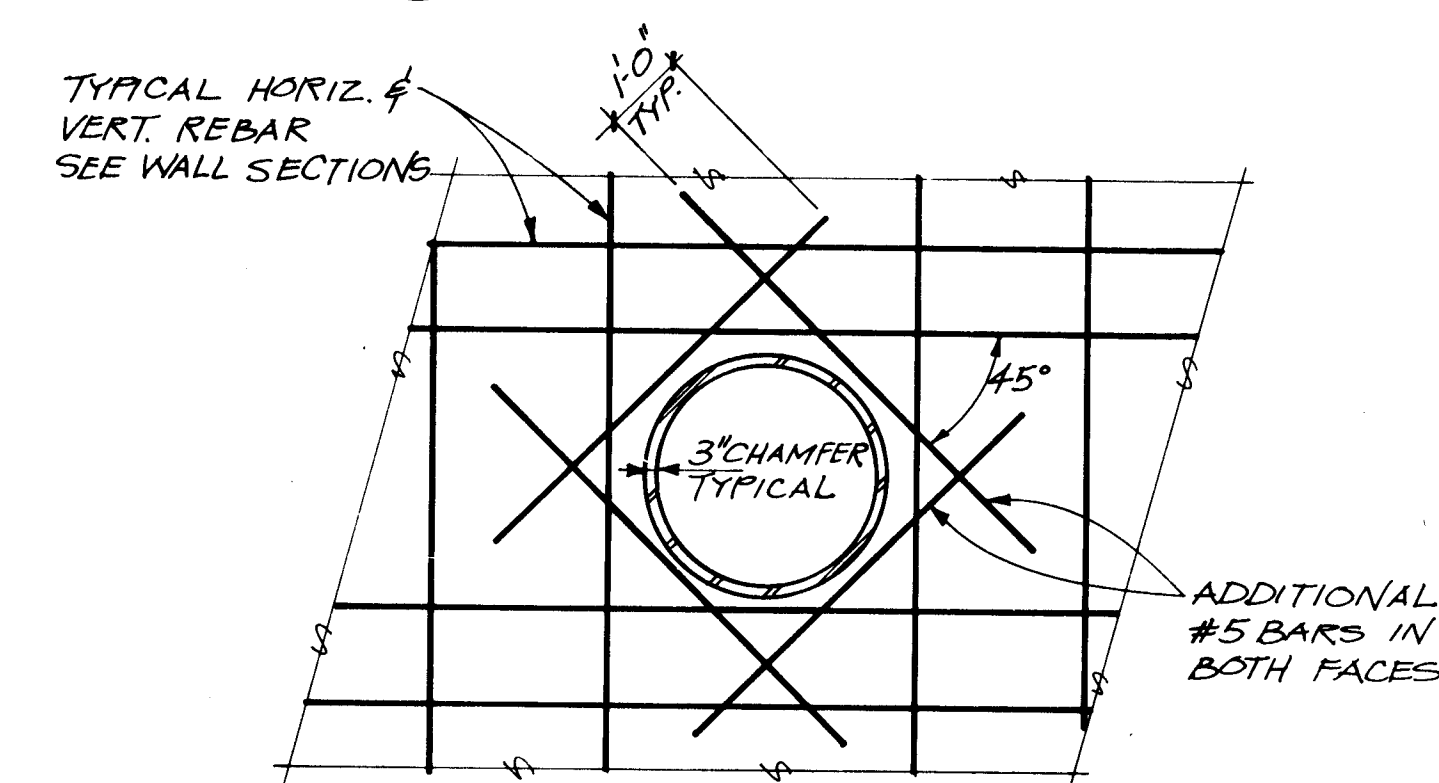
DRAWING NO.	3602	MAP NO. H-22	SHEET 9	OF 20
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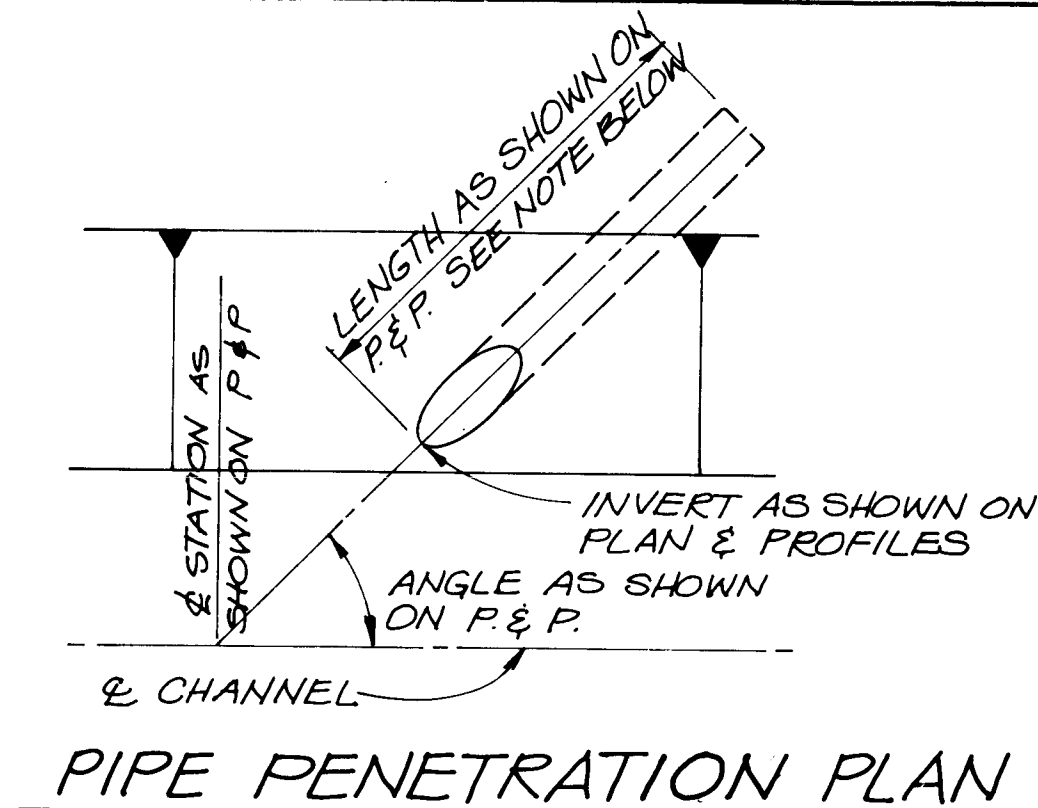
TYPICAL PIPE PENETRATION PLAN
N.T.S.



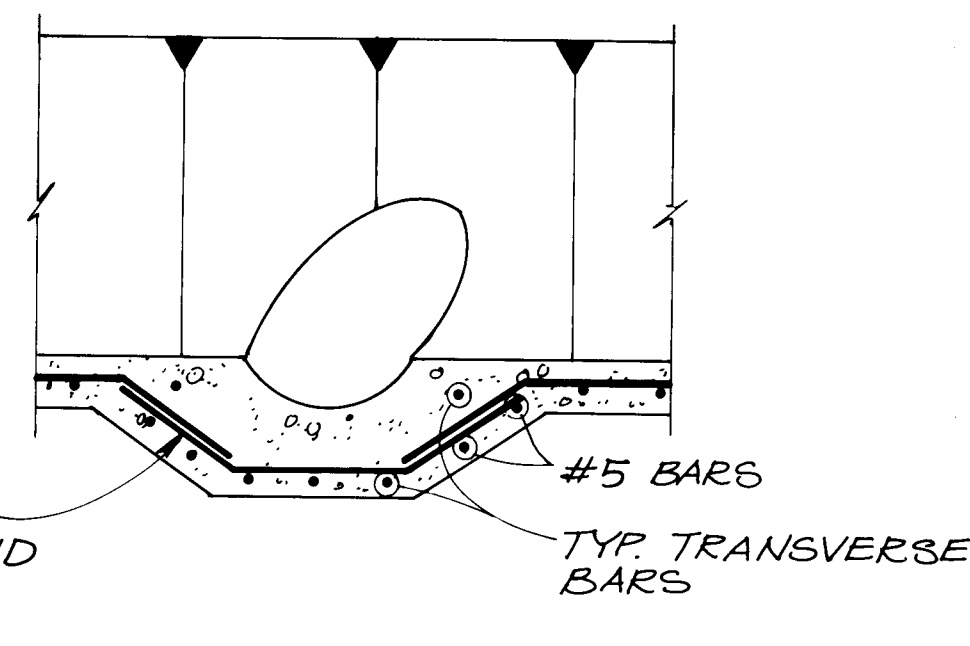
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N.T.S.



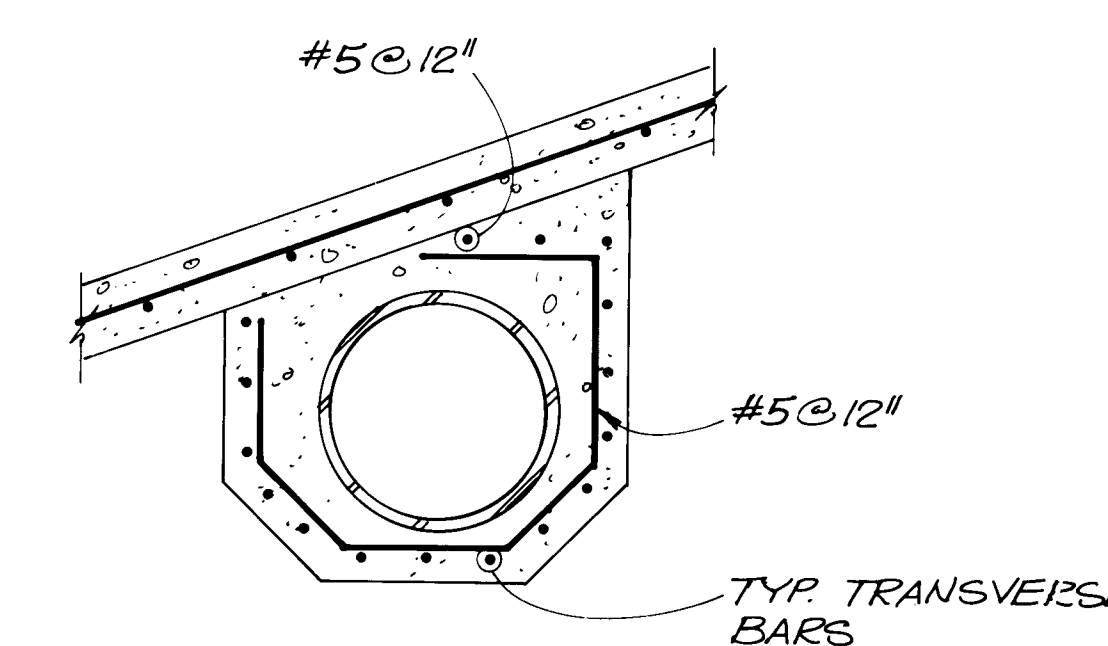
SECTION G
N.T.S.



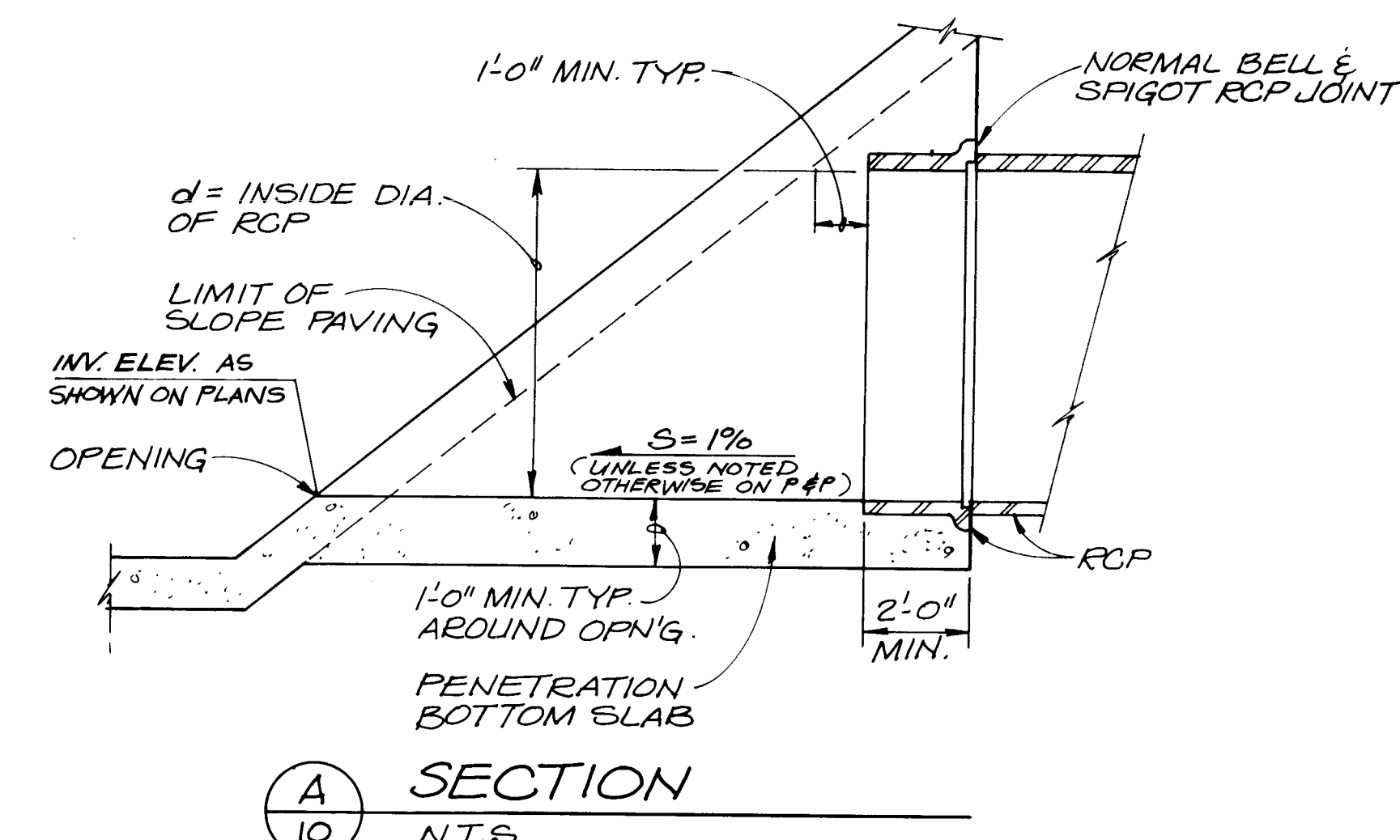
PIPE PENETRATION PLAN



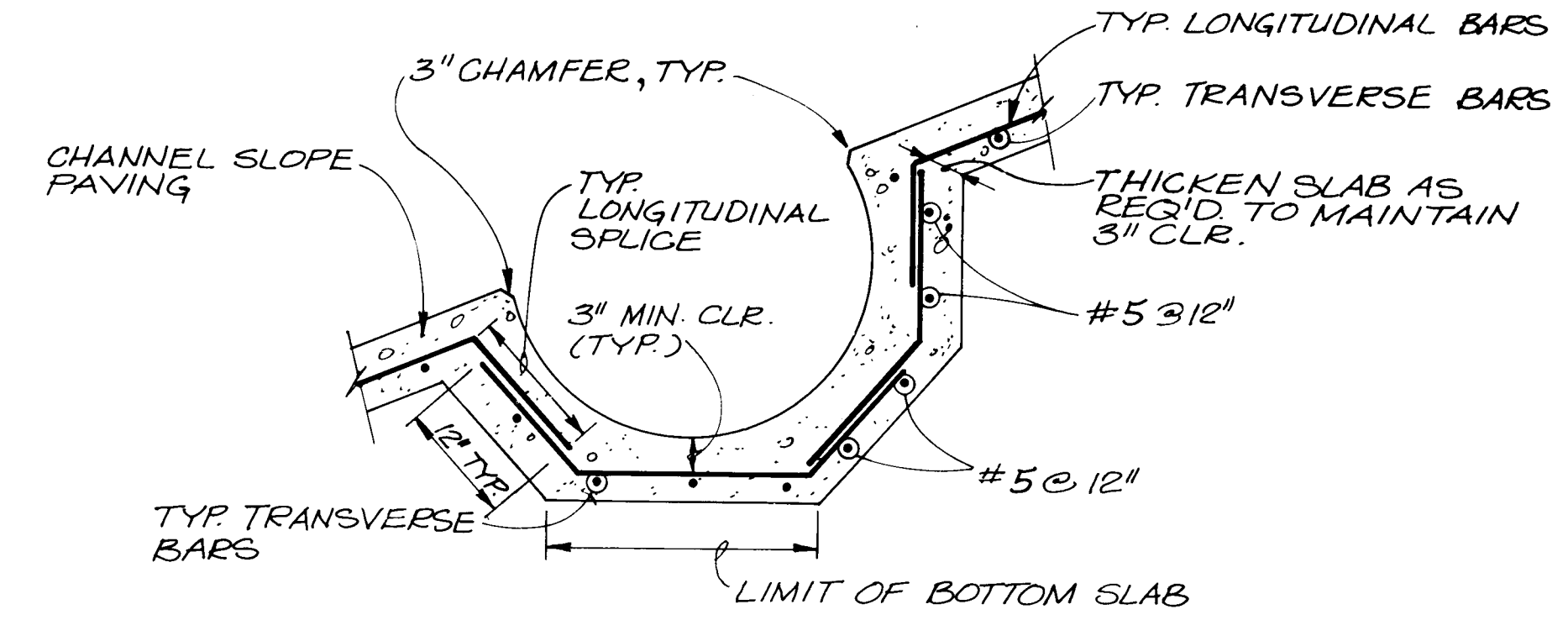
SECTION C
N.T.S.



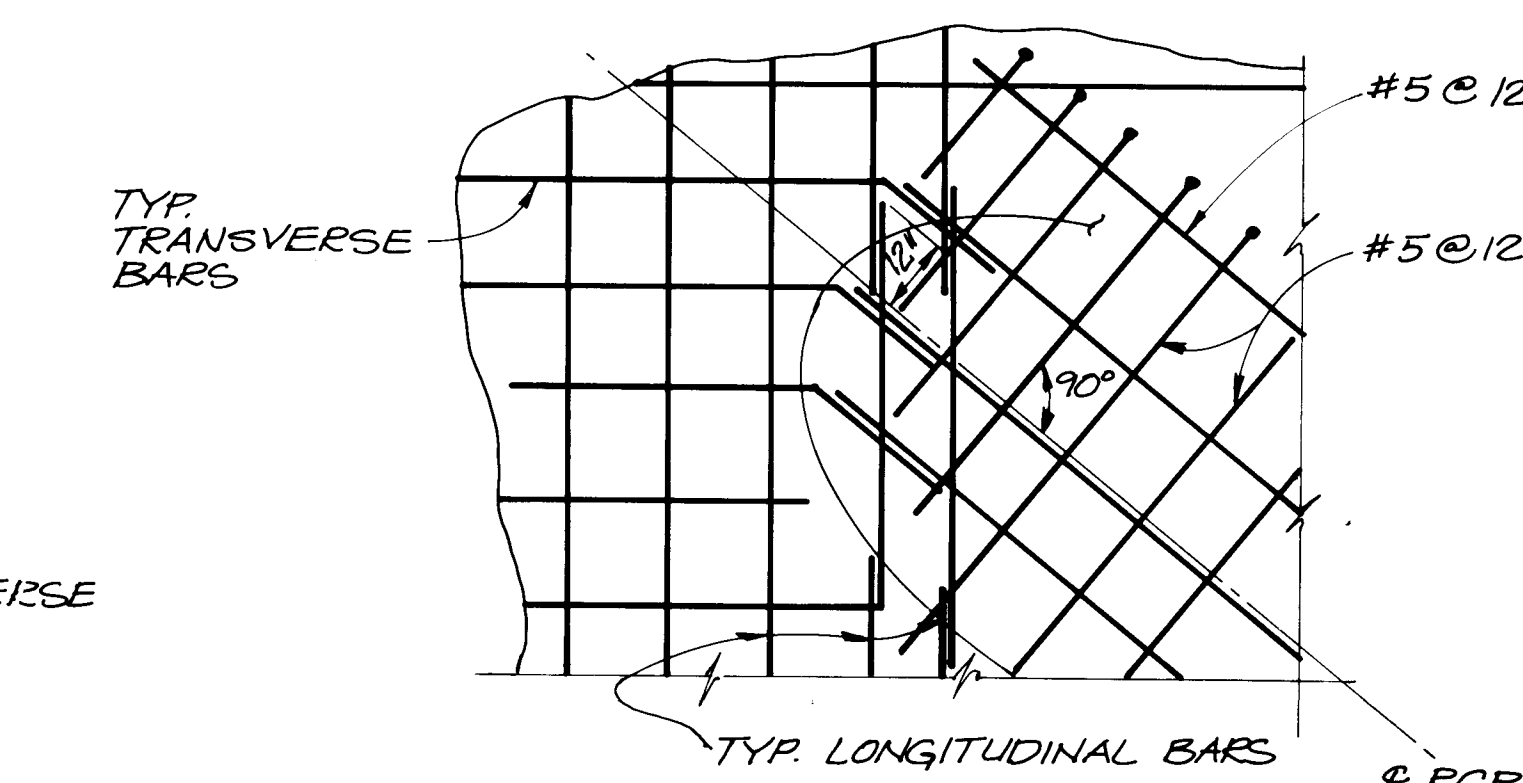
SECTION E
N.T.S.



SECTION A
N.T.S.



SECTION D
N.T.S.



SECTION F
N.T.S.

NOTES:

- SEE PROFILES SHEET 11; FOR ALL INLET PIPE PROFILES.
- PAYMENT FOR PIPE PENETRATIONS WILL BE INCLUDED IN THE UNIT PRICE BID FOR CHANNEL LINING AS STATED IN THE BID PROPOSAL.

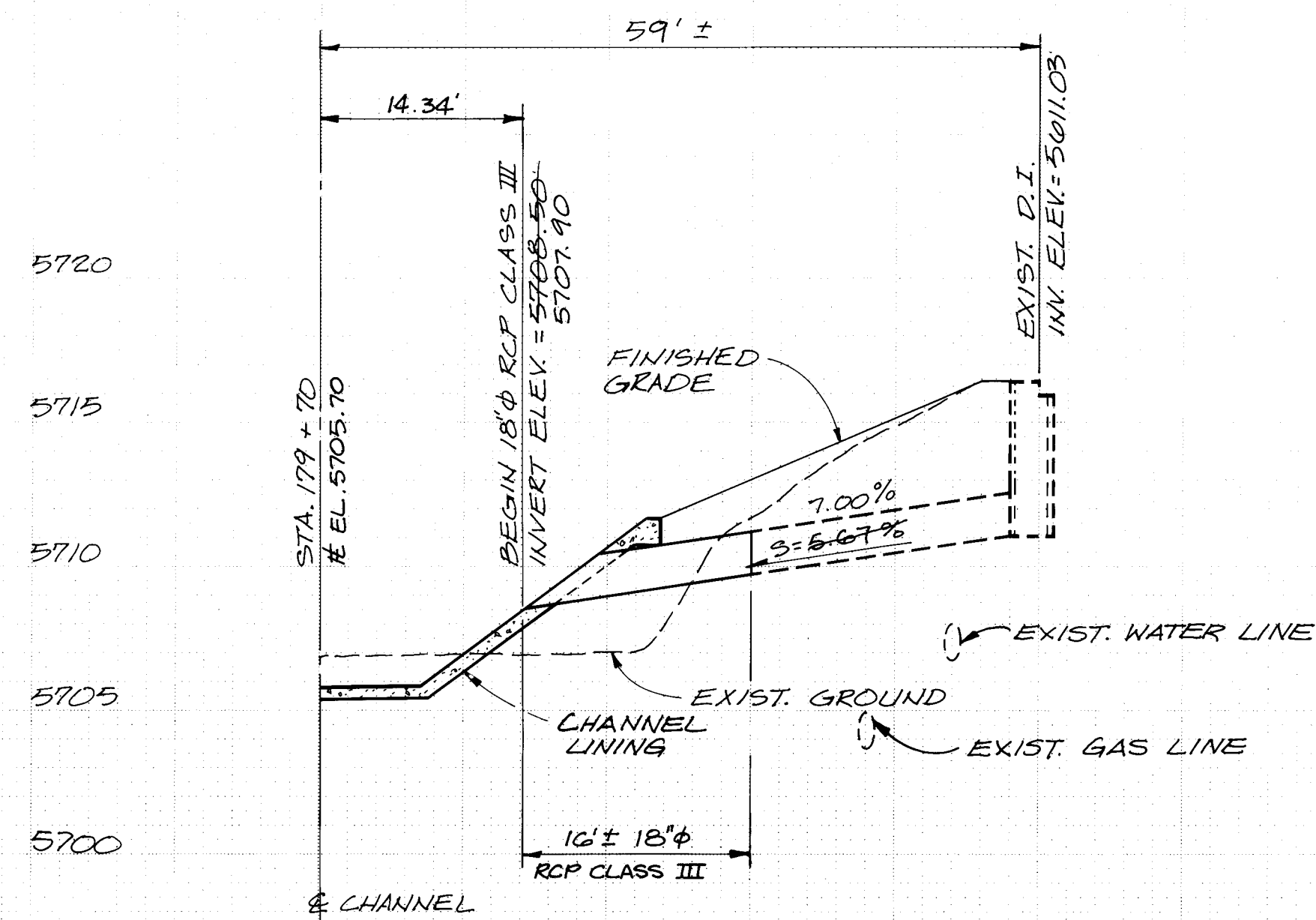
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INSPECTOR	NO.	DATE	BY	NO.	DATE	BY	DATE				
FIELD	NO.	DATE	BY	NO.	DATE	BY	DATE				
VERIFICATION BY	NO.	DATE	BY	NO.	DATE	BY	DATE				
CORRECTED BY	NO.	DATE	BY	NO.	DATE	BY	DATE				
MICRO-FILM	NO.	DATE	BY	NO.	DATE	BY	DATE				
RECORDED BY	NO.	DATE	BY	NO.	DATE	BY	DATE				
NO.	NO.	DATE	BY	NO.	DATE	BY	DATE				

RECORD DRAWING
THIS IS A RECORD DRAWING OF THE FACILITIES IDENTIFIED IN THE TITLE BLOCK ONLY. IT IS NOT TO BE USED FOR CONSTRUCTION OR FOR ANY OTHER PURPOSE. IT IS THE RESPONSIBILITY OF THE USER TO VERIFY THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. ANY CHANGES TO THE DRAWING MUST BE APPROVED BY THE ENGINEER OF RECORD. THE USER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. ANY CHANGES TO THE DRAWING MUST BE APPROVED BY THE ENGINEER OF RECORD.

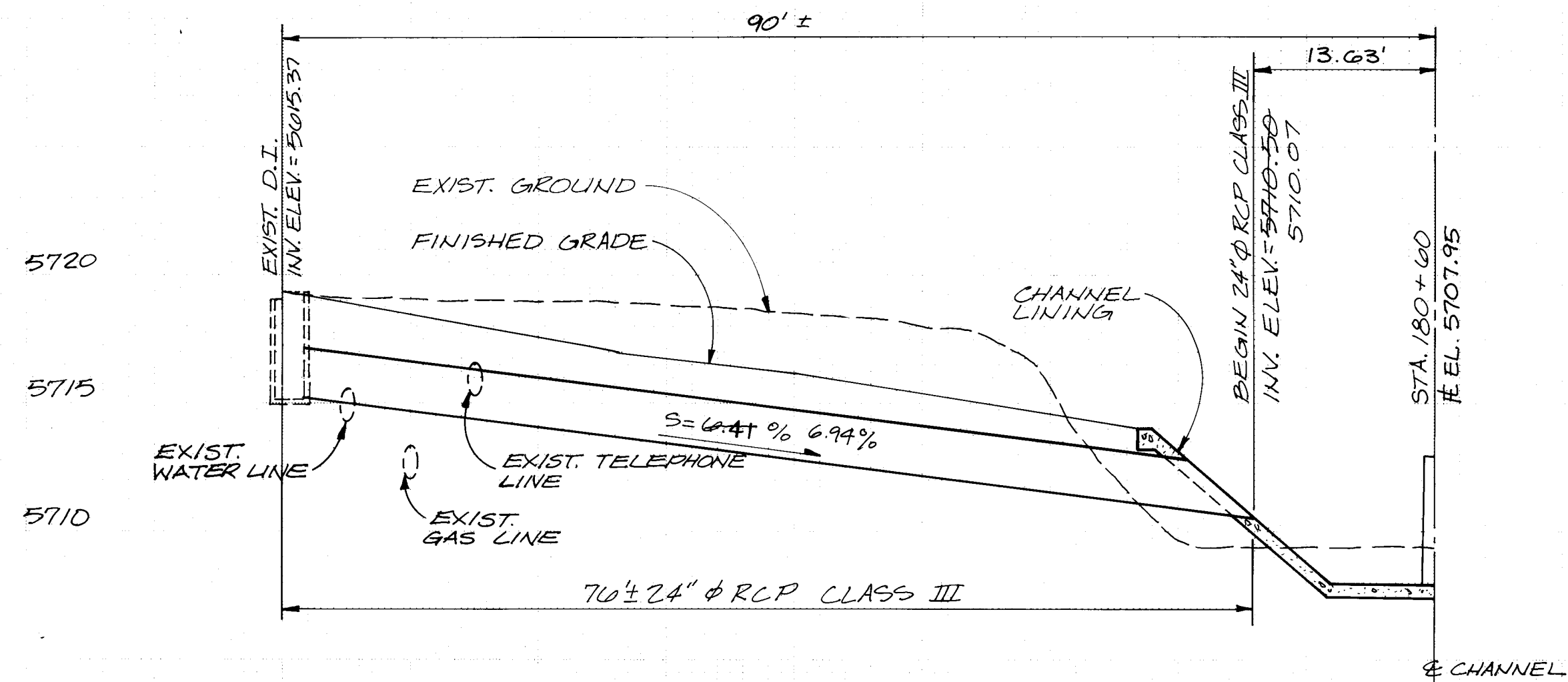
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: PENETRATION SECTIONS & DETAILS					
EMBUDO ARROYO CHANNEL LINING					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roy L. Rios	9-14-89			
Trans. Dev.	N/A RHO	9-14-89			
Utility Dev.	N/A RWK	9-12-89			
Hydro.	CAM	9-14-89			
DRAWING NO.	3602	MAP NO. H-22	SHEET 10	OF 20	

26 3602 1090

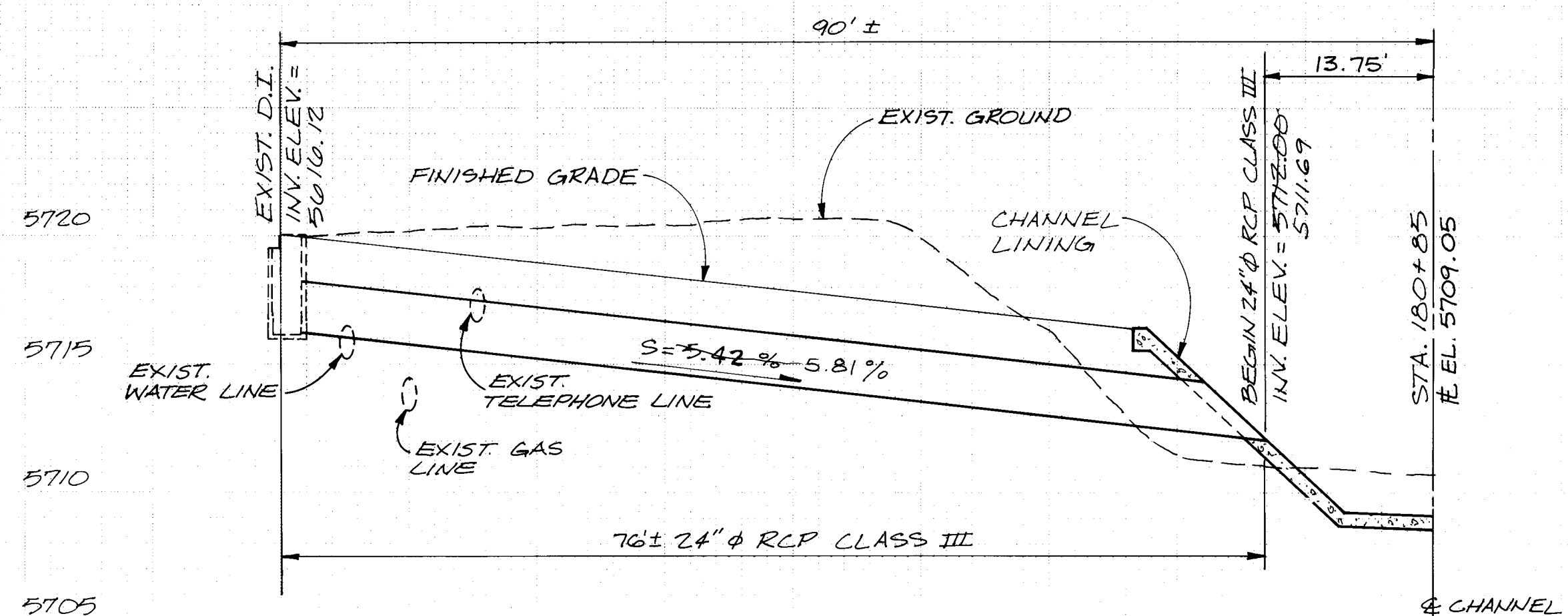
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SURVEY	PLOTTED _____
NOTE BOOK	TEMPLATE _____
NO.	AREAS _____
	AREAS CHECKED _____



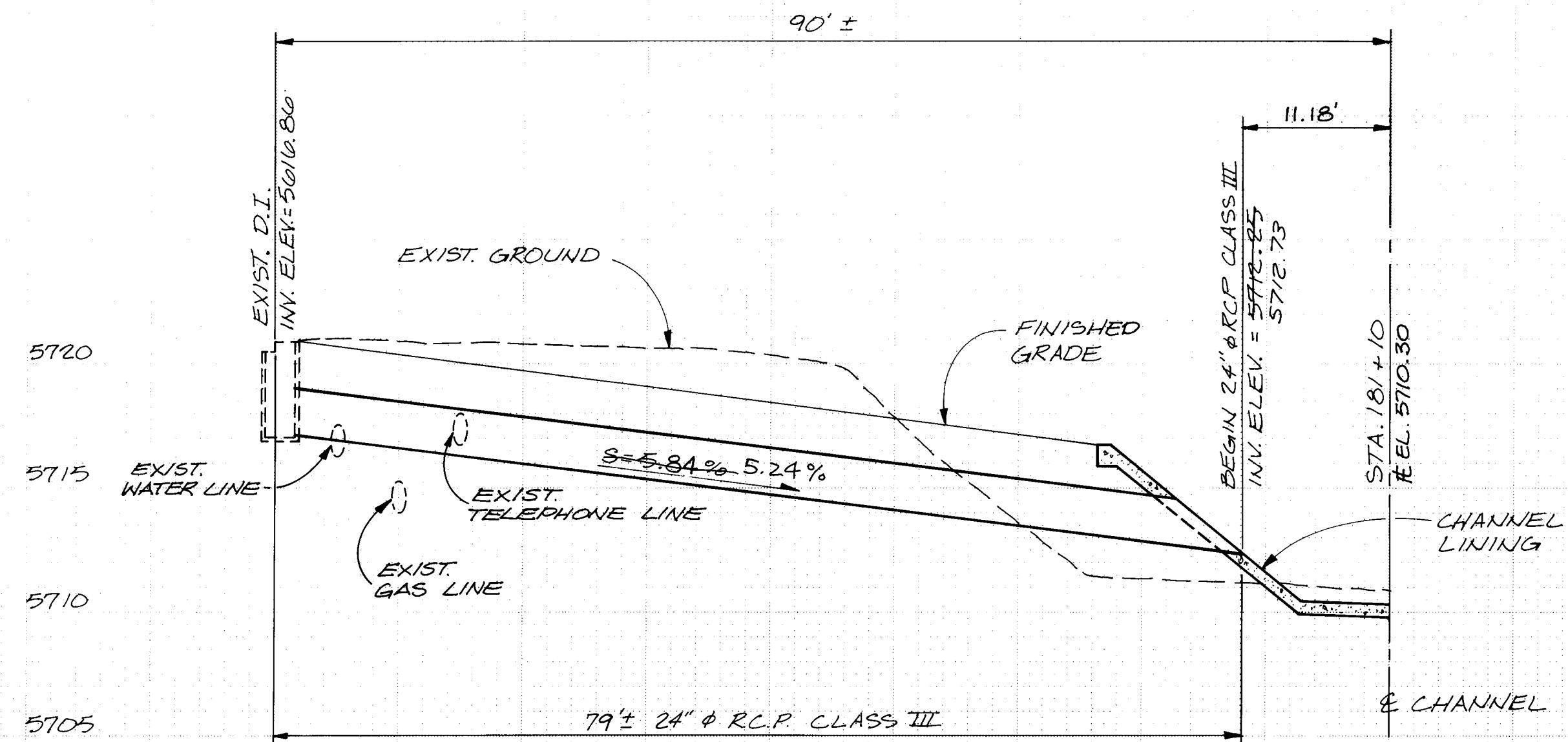
CULVERT PROFILE STA. 179+70



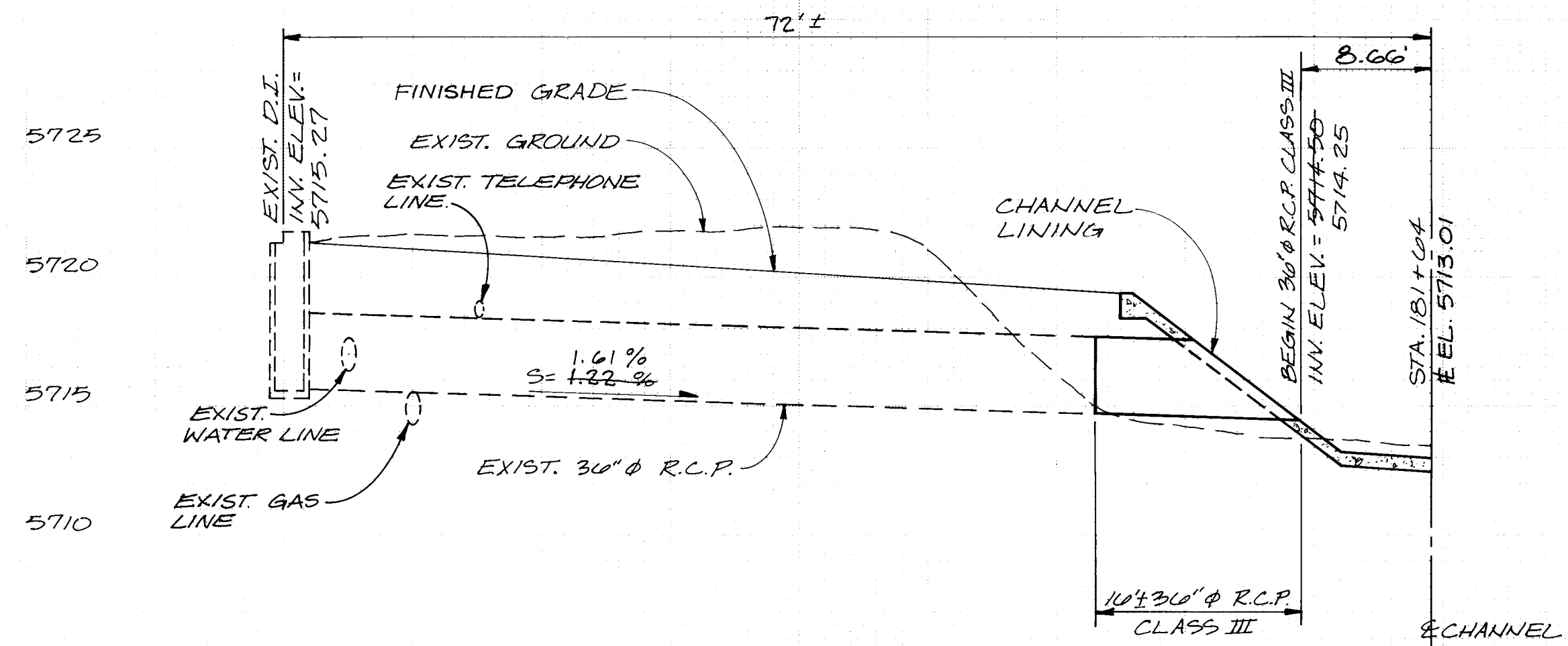
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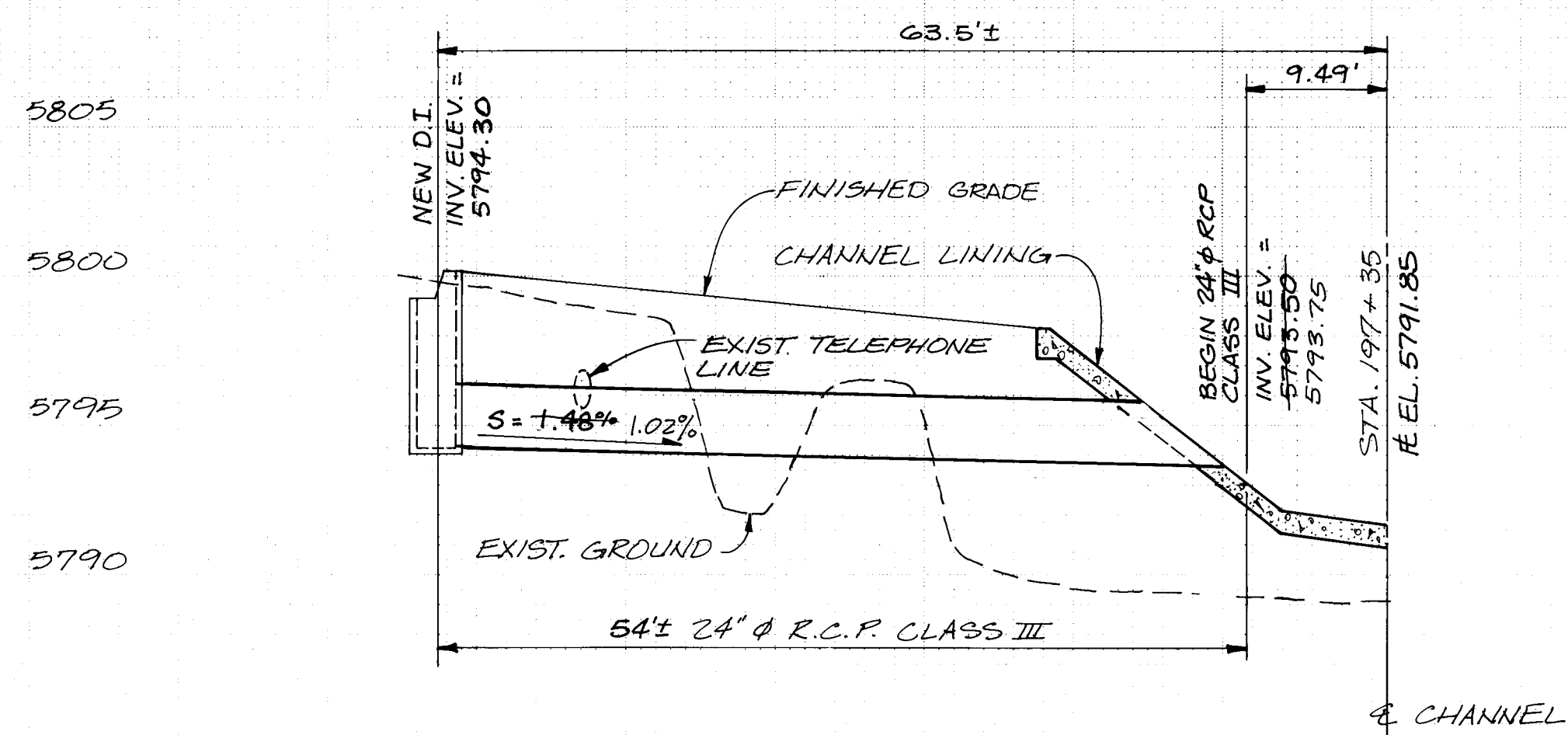
CULVERT PROFILE STA. 180 + 85



CULVERT PROFILE STA. 181+10



CULVERT PROFILE STA. 181+64



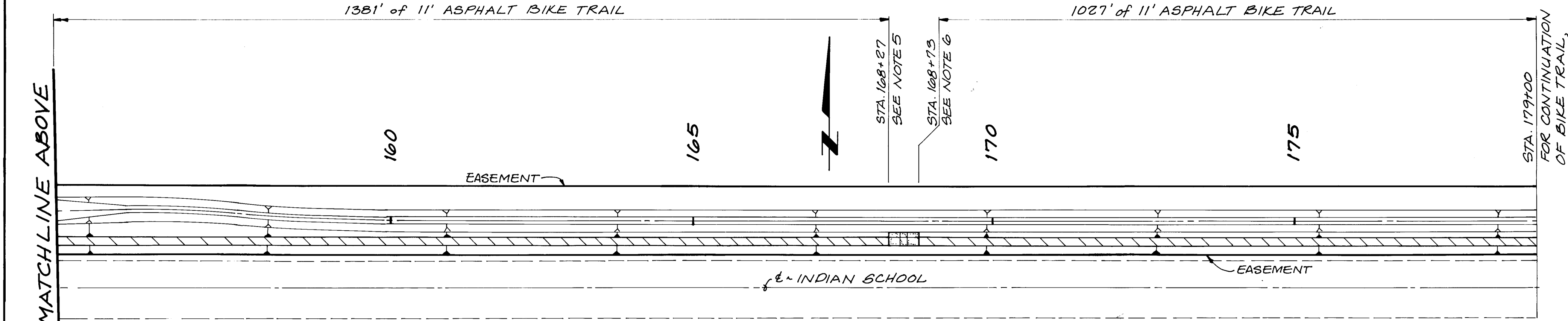
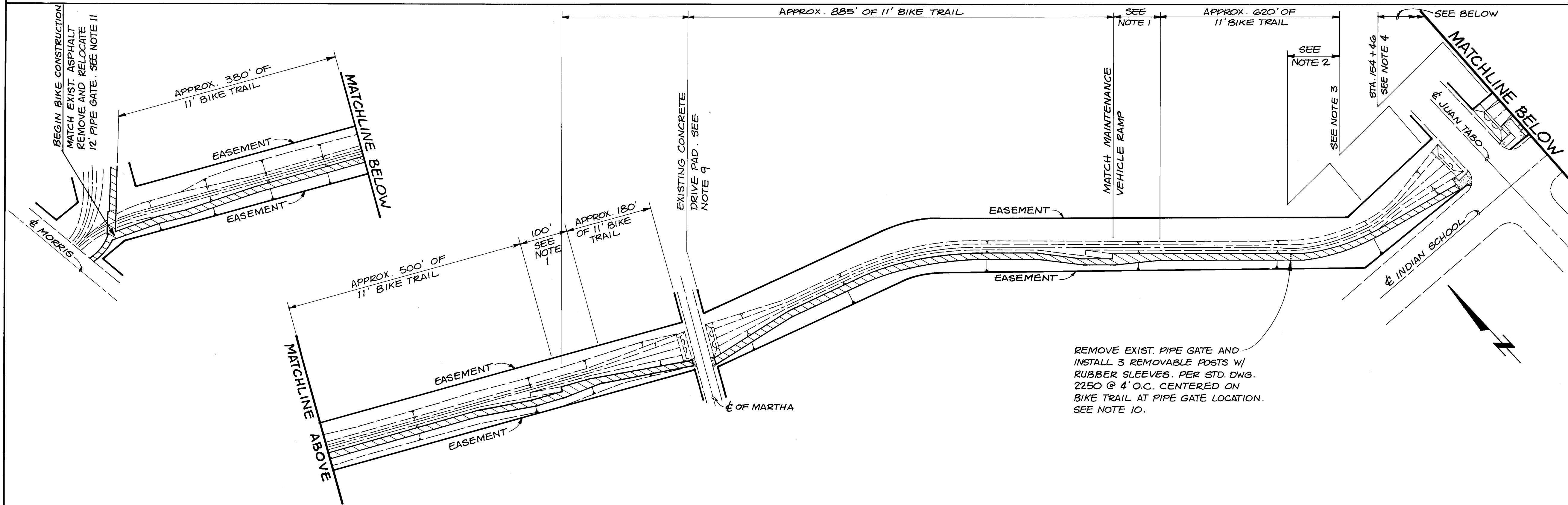
CULVERT PROFILE STA. 197+35

SCALE:
 $1'' = 10'$: HORIZONTAL
 $1'' = 5'$: VERTICAL

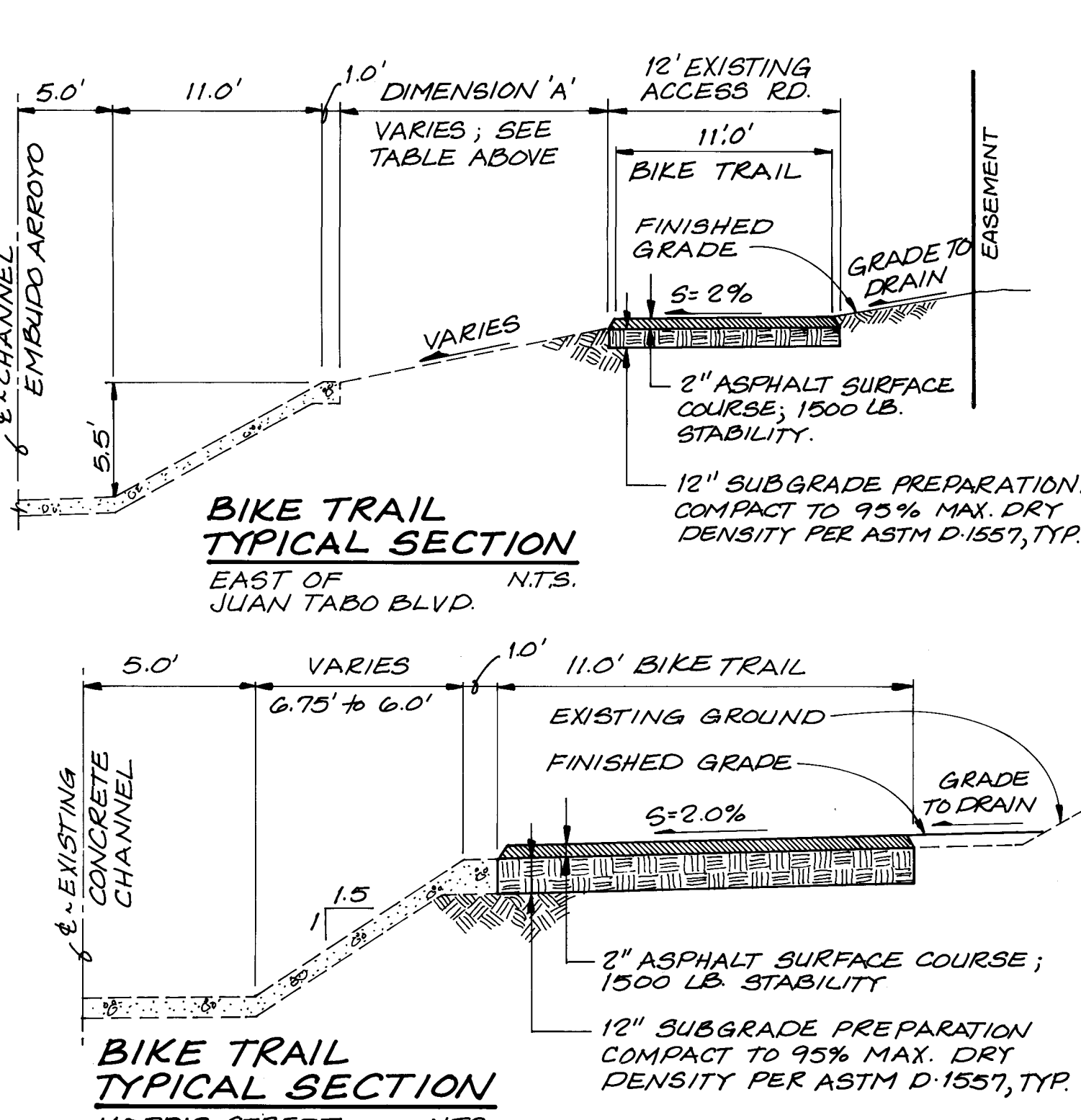
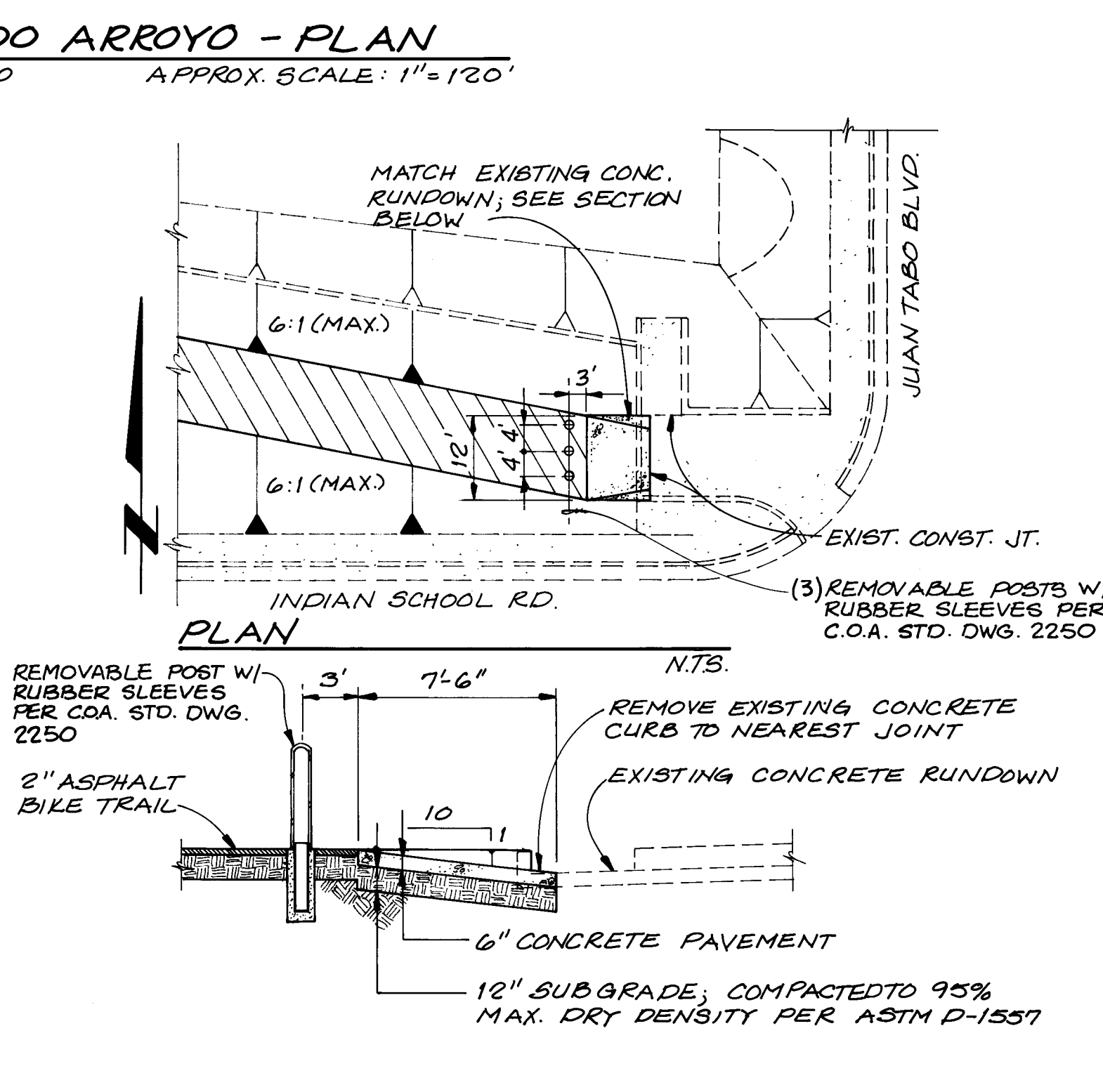
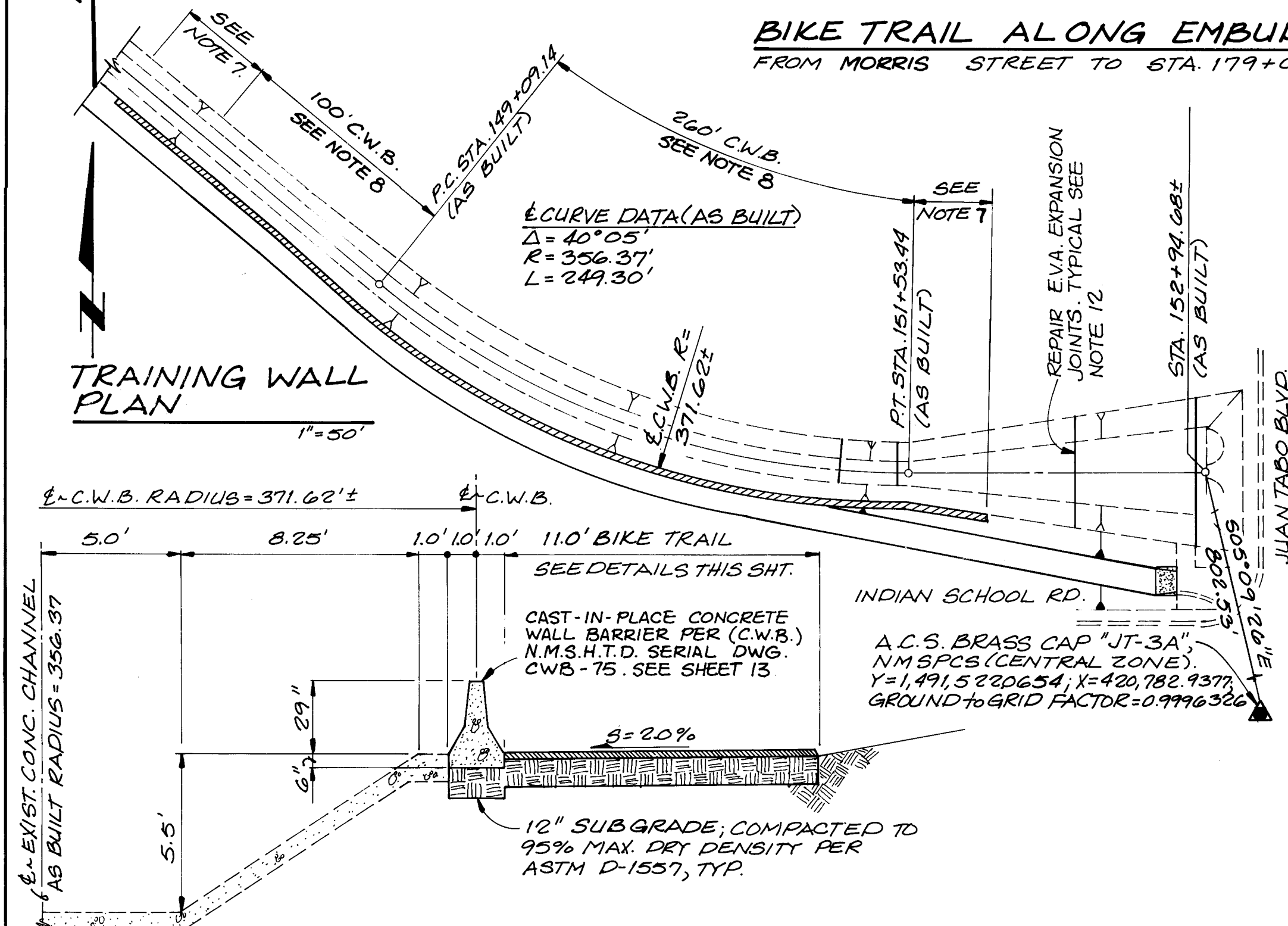
CONSTRUCTION NOTES

1) EXISTING UTILITIES SHOWN ARE FOR CONTRACTOR'S REFERENCE ONLY. EXACT DEPTH AND LOCATION MAY VARY UPON FIELD VERIFICATION. SEE NOTES 3, 4, AND 5 ON SHEET 1.

[illegible]



STATION	STATION	DIM. 'A'
154+46	155+00	VARIES 20' to 17'
155+00	157+00	17'
157+00	159+00	VARIES 17' to 7'
159+00	166+00	7'
166+00	167+00	VARIES 7' to 4'
167+00	168+00	4'
168+00	169+00	VARIES 4' to 10'
169+00	172+00	10'
172+00	173+00	VARIES 10' to 4'
173+00	E.O.P.	4'



- NOTES:**
- 100' BIKE TRAIL TRANSITION, FROM 21' WIDE TO 11' WIDE AT MAINTENANCE RAMP.
 - PROVIDE 180' GRADUAL TRANSITION AWAY FROM CHANNEL TO MATCH CONCRETE RUNDOWN; PROVIDE 6:1 MAX. SLOPE BETWEEN BIKE TRAIL AND CHANNEL; SEE TYPICAL SECTION.
 - END BIKE TRAIL; MATCH EXISTING CONCRETE RUNDOWN; SEE DETAIL THIS SHEET.
 - STA. 154+46; BEGIN BIKE TRAIL CONSTRUCTION; MATCH EXISTING ASPHALT RUNDOWN.
 - STA. 168+27; END BIKE TRAIL CONSTRUCTION; MATCH EXISTING CONCRETE RUNDOWN.
 - STA. 168+73; BEGIN BIKE TRAIL CONSTRUCTION; MATCH EXIST. CONCRETE RUNDOWN.
 - 40' C.W.B. TRANSITION, SEE SHEET 14 AND SUPPLEMENTAL SPECIFICATION SECTION 509.
 - C.W.B. PER N.M.S.H.T.D. SERIAL DWG. CWB-75, SEE SHEET 13, AND SUPPLEMENTAL SPECIFICATION SECTION 509.
 - EXISTING CHAIN LINK FENCE TO REMAIN; REMOVE EXISTING PIPE GATE AND INSTALL 3 REMOVABLE POSTS W/ RUBBER SLEEVES AT 4' O.C., CENTERED ON BIKE TRAIL AT PIPE GATE LOCATION. TYPICAL BOTH SIDES OF MARTHA.
 - ANY PIPE GATES REMOVED FROM PROJECT SHALL BE RETURNED TO THE CITY YARD AS DIRECTED BY PROJECT ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO FURTHER PAYMENT SHALL BE MADE THEREFORE.
 - EXISTING 12" PIPE GATE FROM EXIST. PEDESTRIAN BRIDGE NEAR MORRIS SHALL BE INSTALLED AT EMBUDO RUNDOWN (SEE SHT. 9) AS DIRECTED BY PROJECT ENGINEER.
 - CONTRACTOR SHALL CLEAN AND REAPPLY EXPANSION JOINT "FOAM" PER C.O.A. STD. DWG. 2265, NOTES PTHRU S, AT 14 EXISTING JOINTS WEST OF JUAN TABO BLVD. IN EXISTING EMBUDO CHANNEL LINING. (FIELD VERIFY QUANTITIES)

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	STANDARD A.C.S. BRASS CAP "JT-3A"	DATE	NO.	CONTRACTOR	LOCATED APPROXIMATELY 38 FT.	DATE	NO.	CONTRACTOR	FIELD NOTES	DATE	NO.	CONTRACTOR	REMARKS	DATE	NO.
STATIONED BY	LOCATED APPROXIMATELY 38 FT.	DATE	NO.	STATIONED BY	LOCATED APPROXIMATELY 38 FT.	DATE	NO.	STATIONED BY	LOCATED APPROXIMATELY 38 FT.	DATE	NO.	STATIONED BY	LOCATED APPROXIMATELY 38 FT.	DATE	NO.
ACCEPTED BY	LOCATED APPROXIMATELY 38 FT.	DATE	NO.	ACCEPTED BY	LOCATED APPROXIMATELY 38 FT.	DATE	NO.	ACCEPTED BY	LOCATED APPROXIMATELY 38 FT.	DATE	NO.	ACCEPTED BY	LOCATED APPROXIMATELY 38 FT.	DATE	NO.
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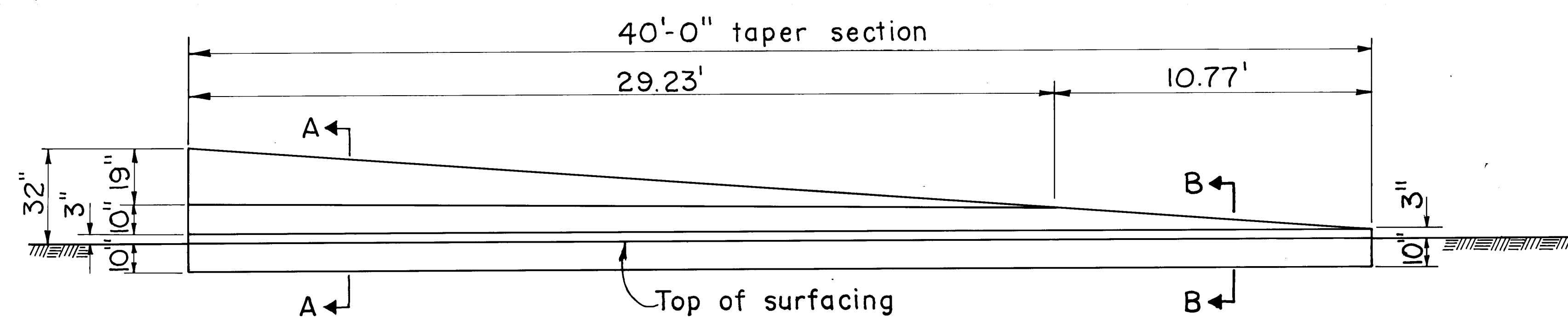
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: BIKE TRAIL & TRAINING WALL CONSTRUCTION PLANS & SECTIONS

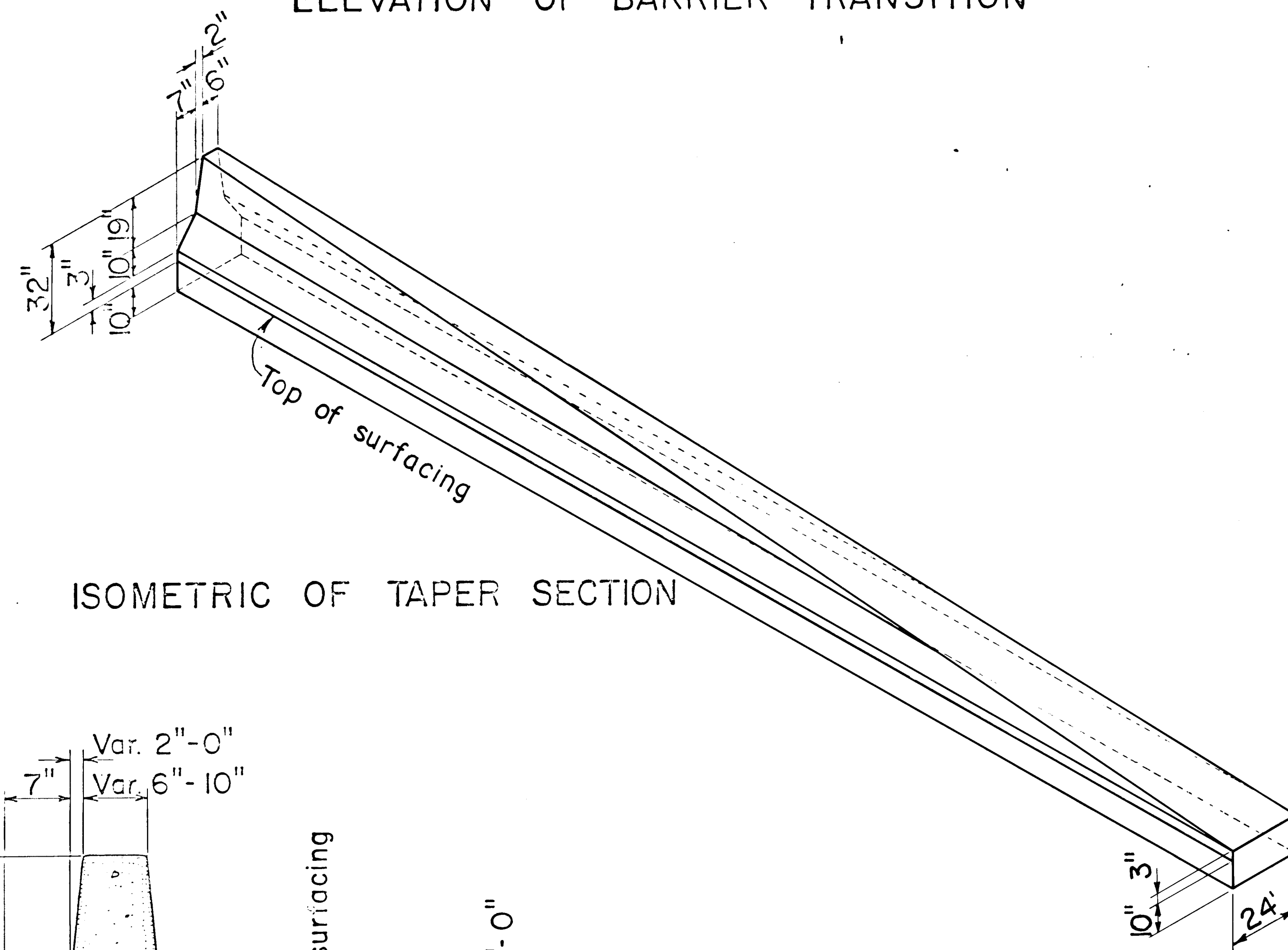
EMBUDO ARROYO CHANNEL LINING

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Reginald	9-14-89			
Trans. Dev	MA RWD	9-14-89			
Utility Dev	MA RWD	9-12-89			
Hydrology	CAM	9-14-89			

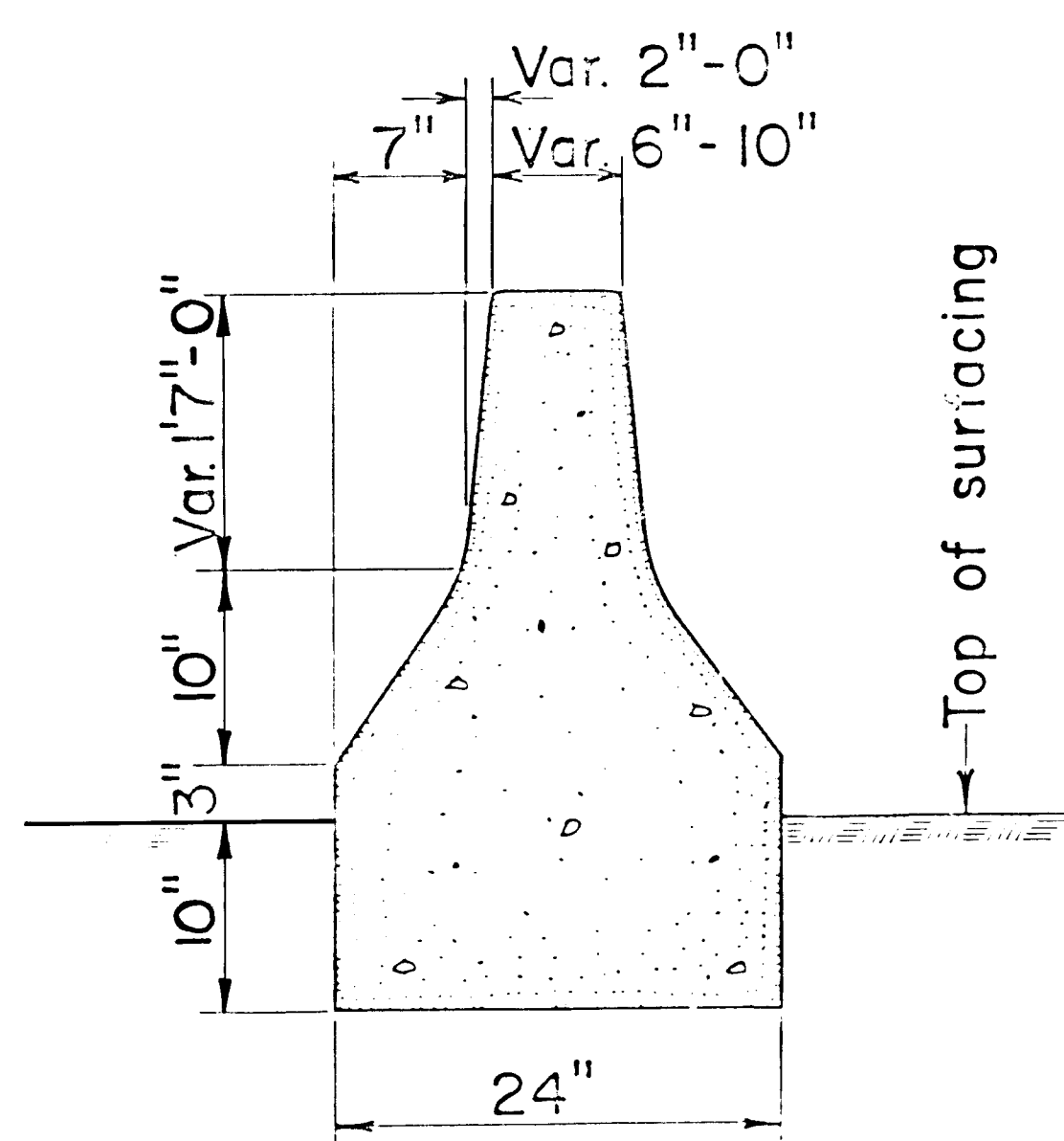
DRAWING NO. 3602 MAP NO. H21, H22 SHEET 12 OF 20



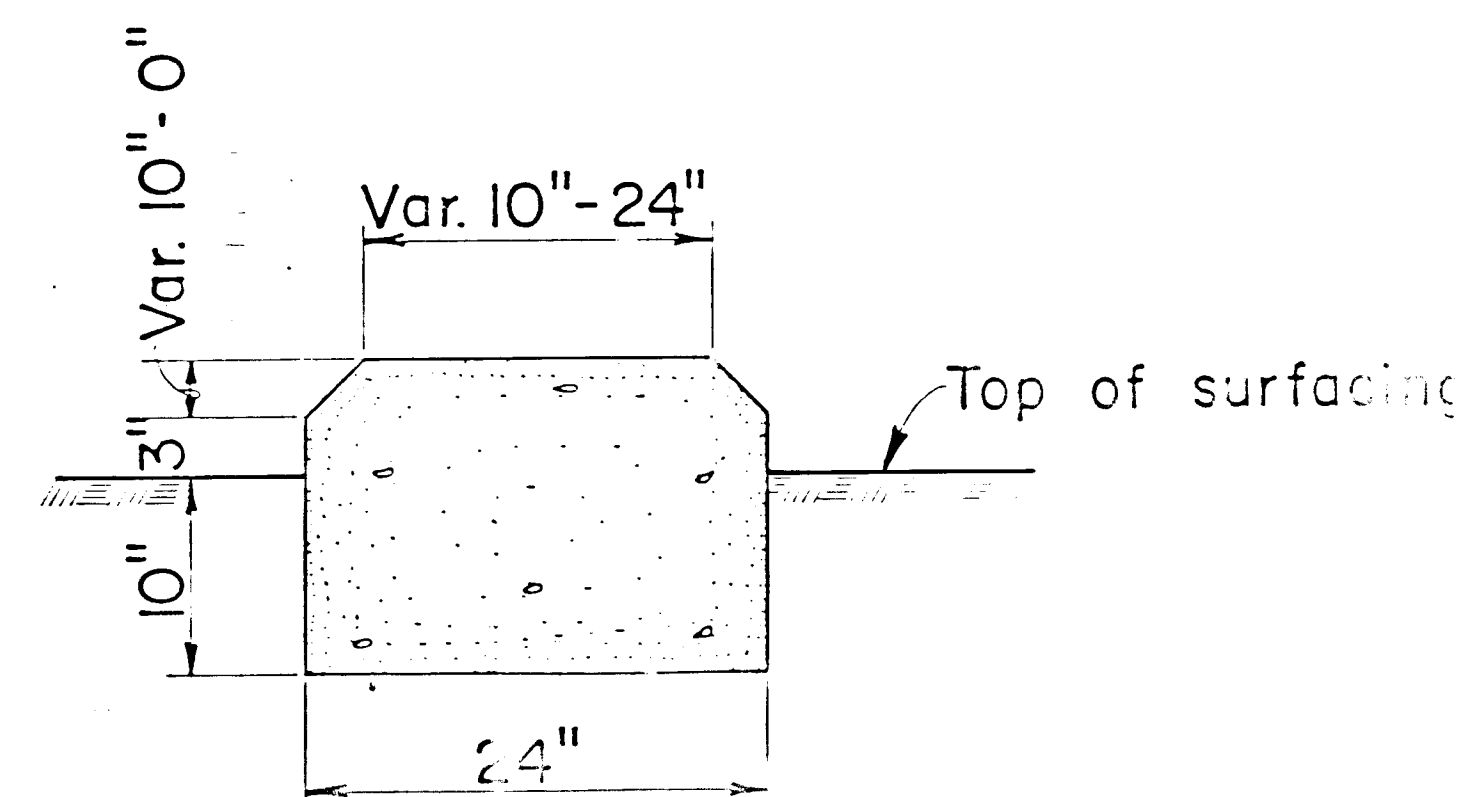
ELEVATION OF BARRIER TRANSITION



ISOMETRIC OF TAPER SECTION



SECTION A-A



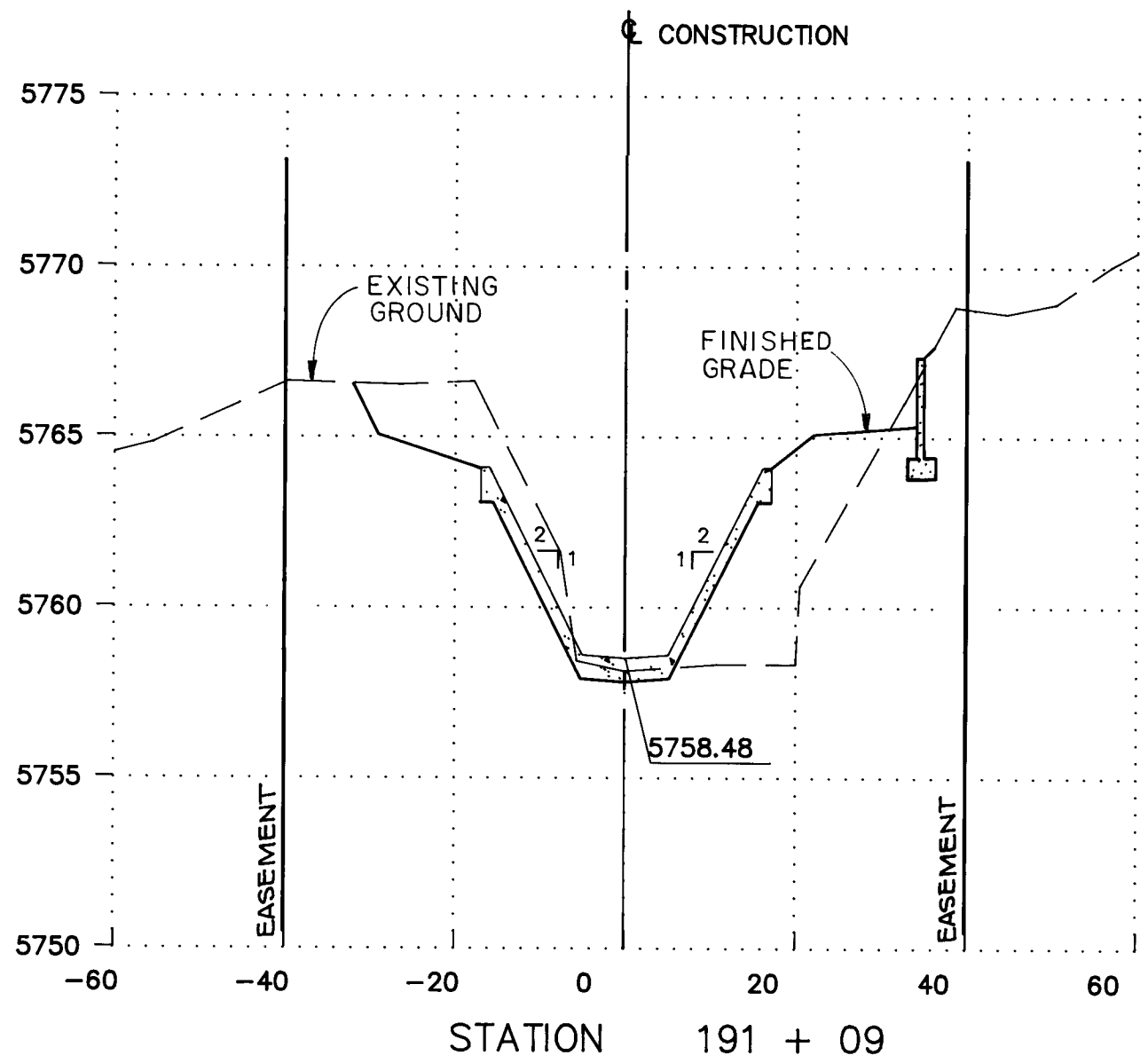
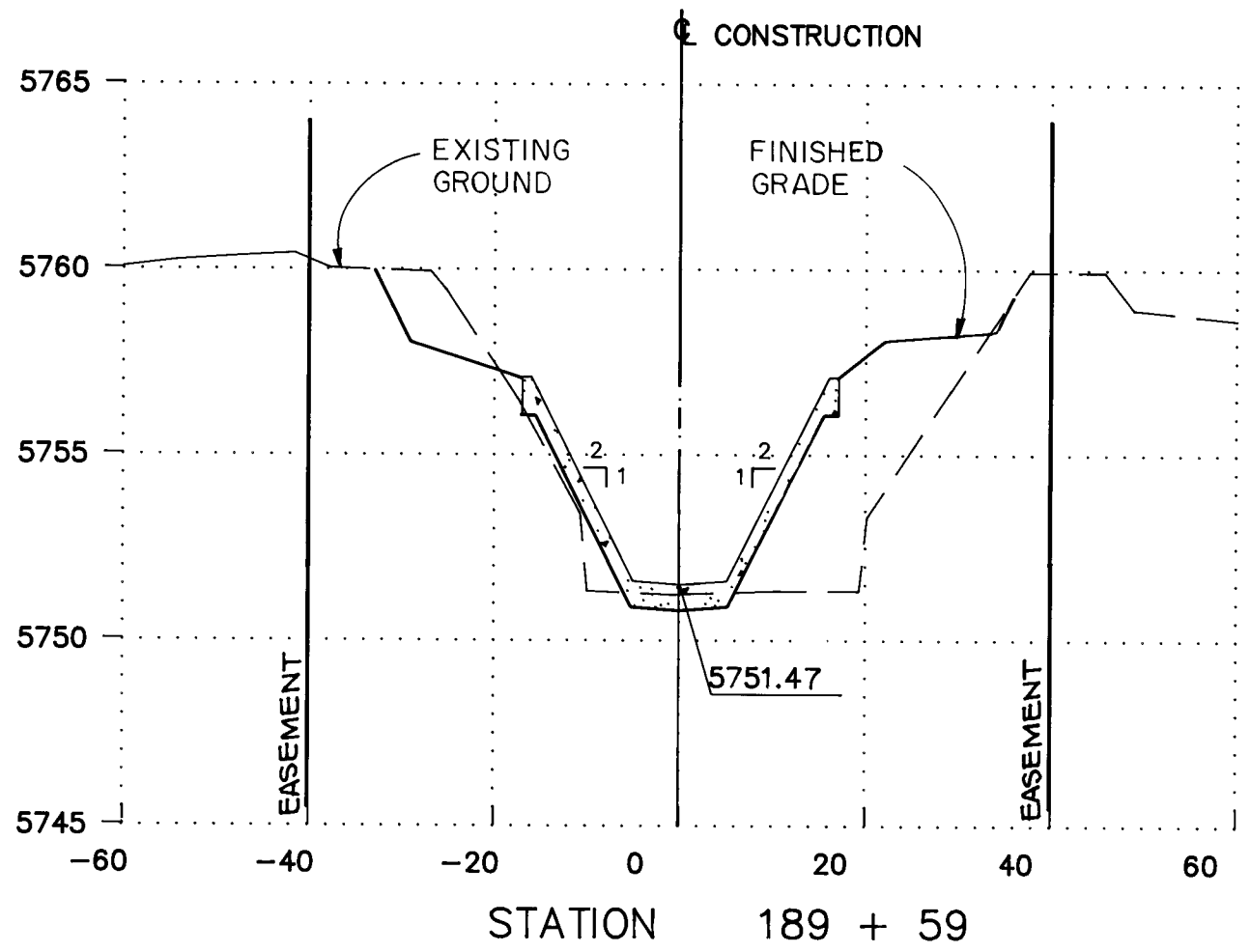
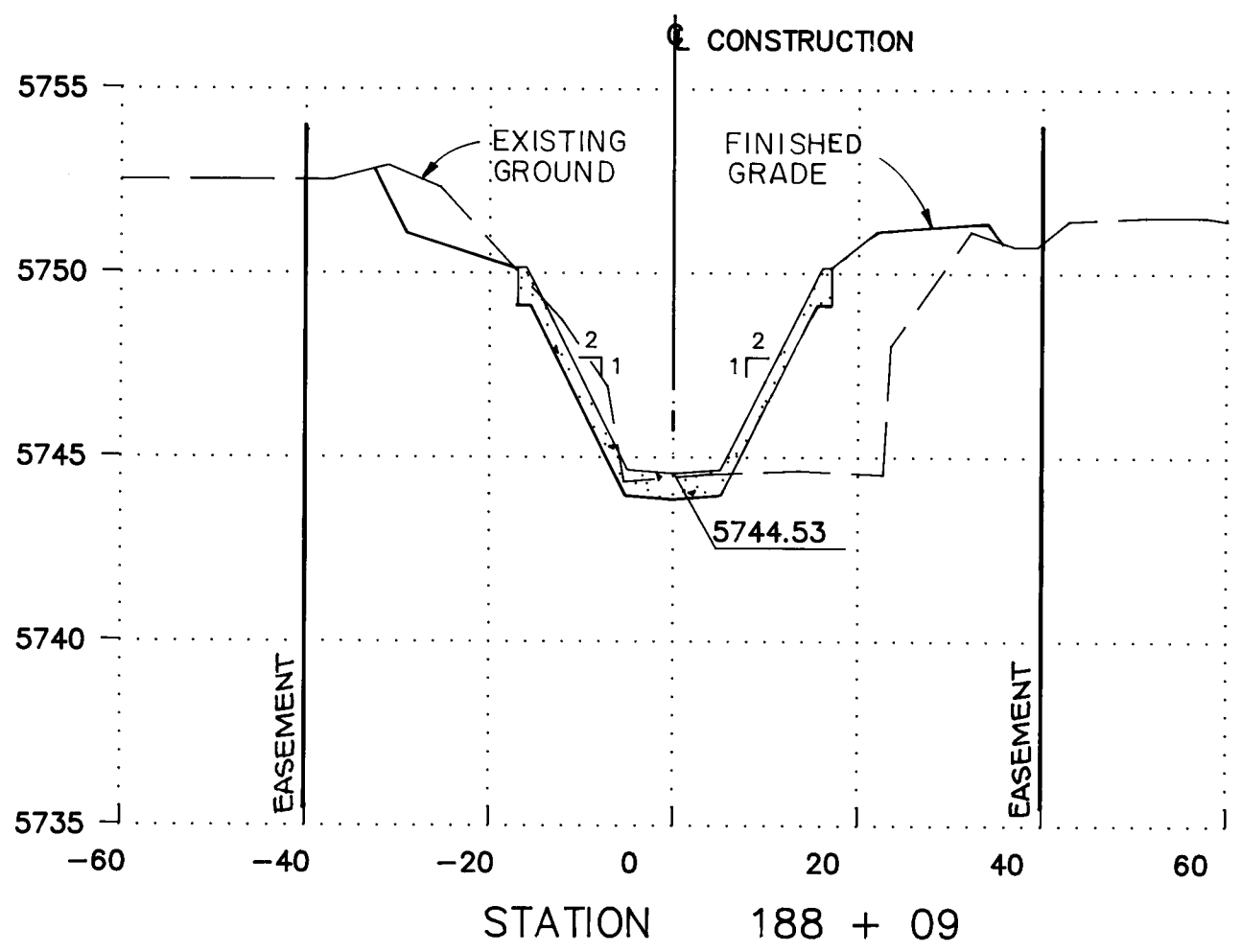
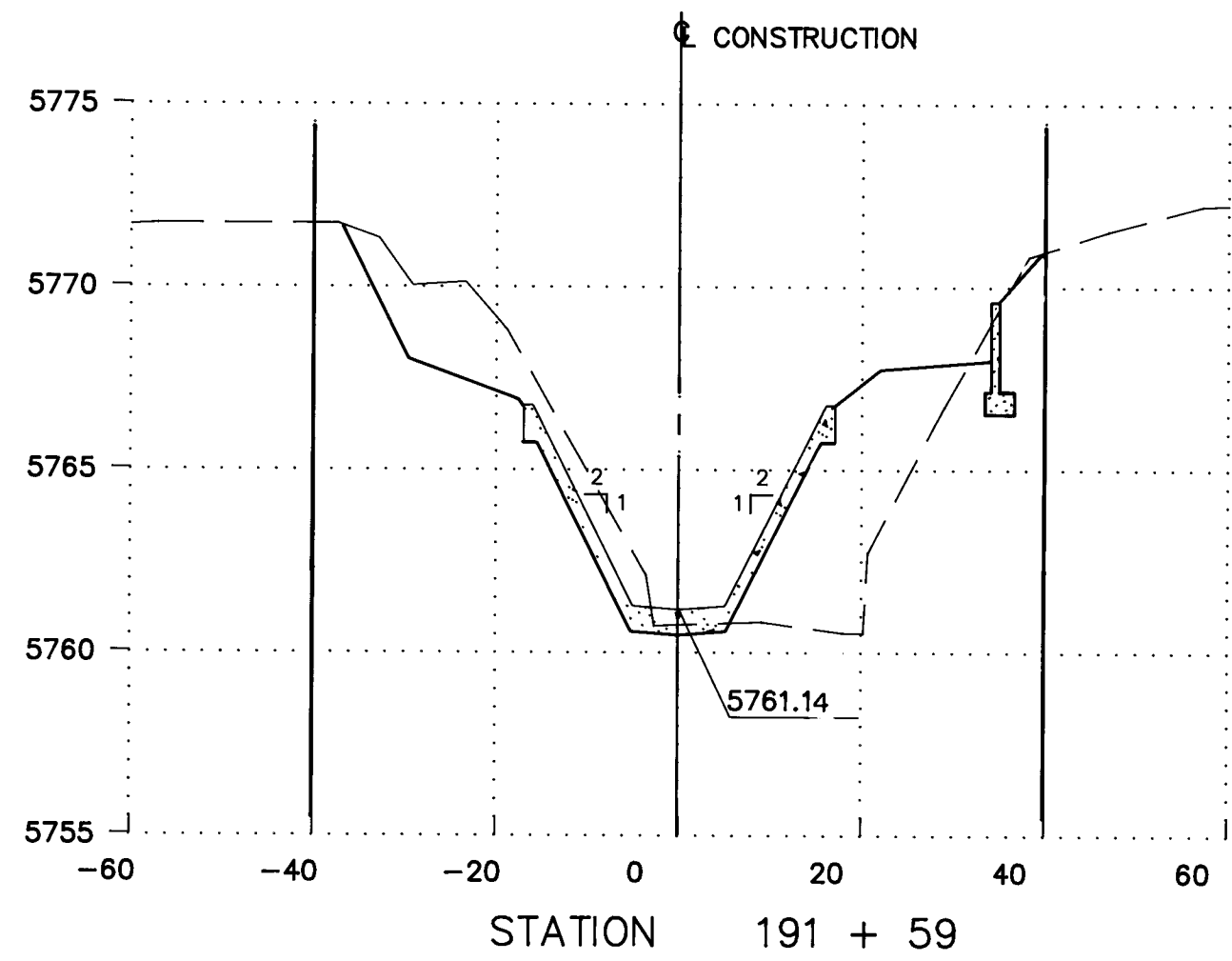
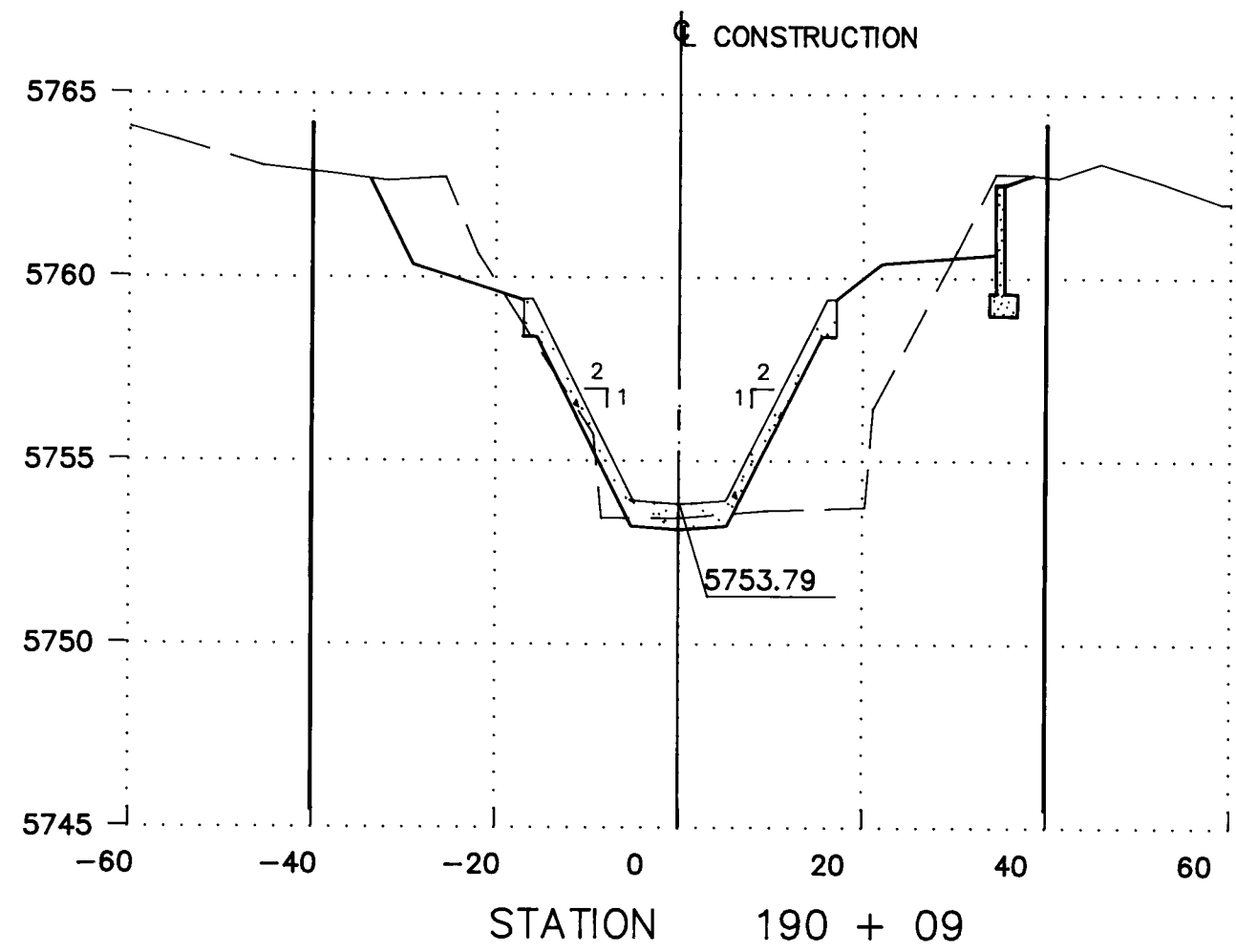
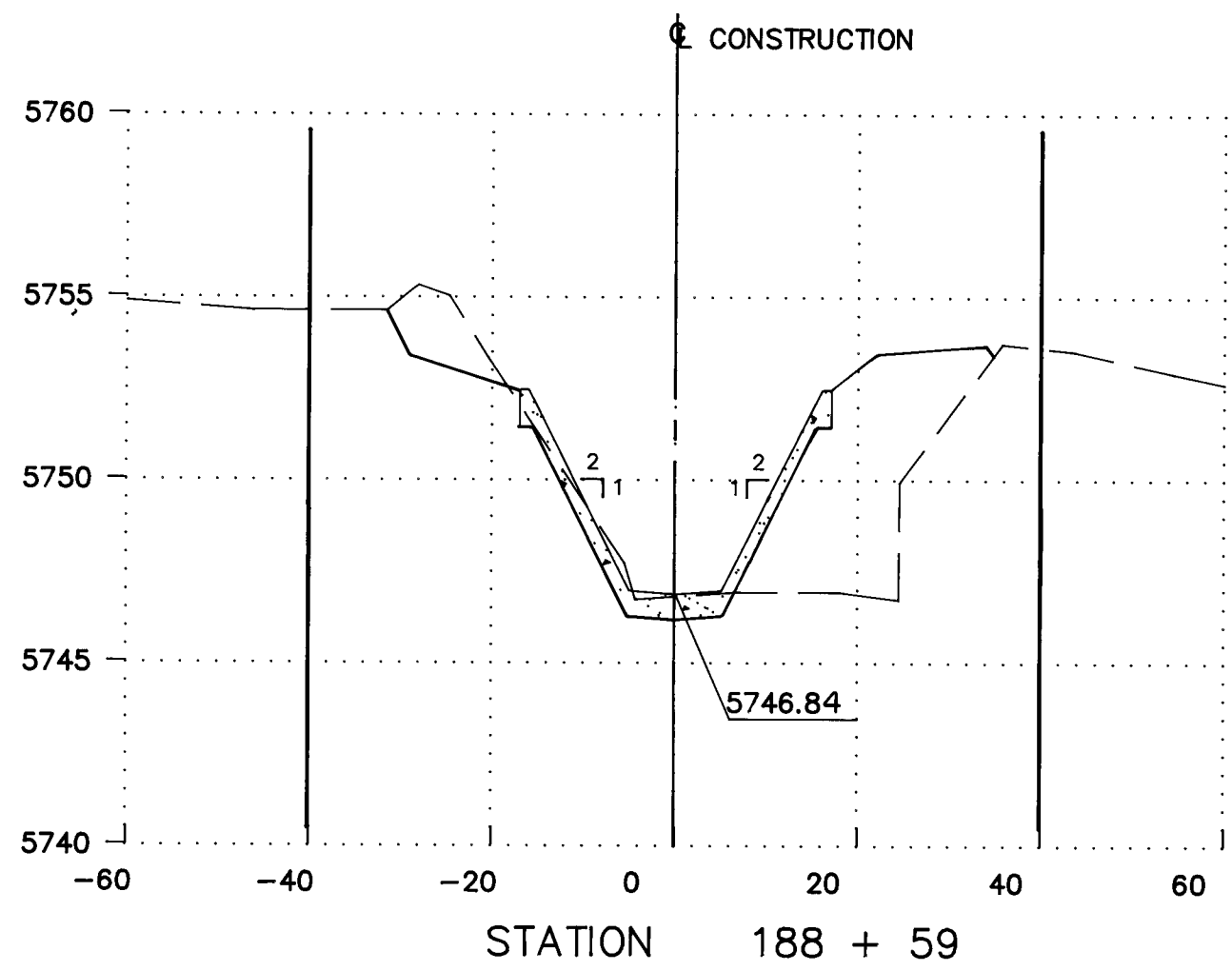
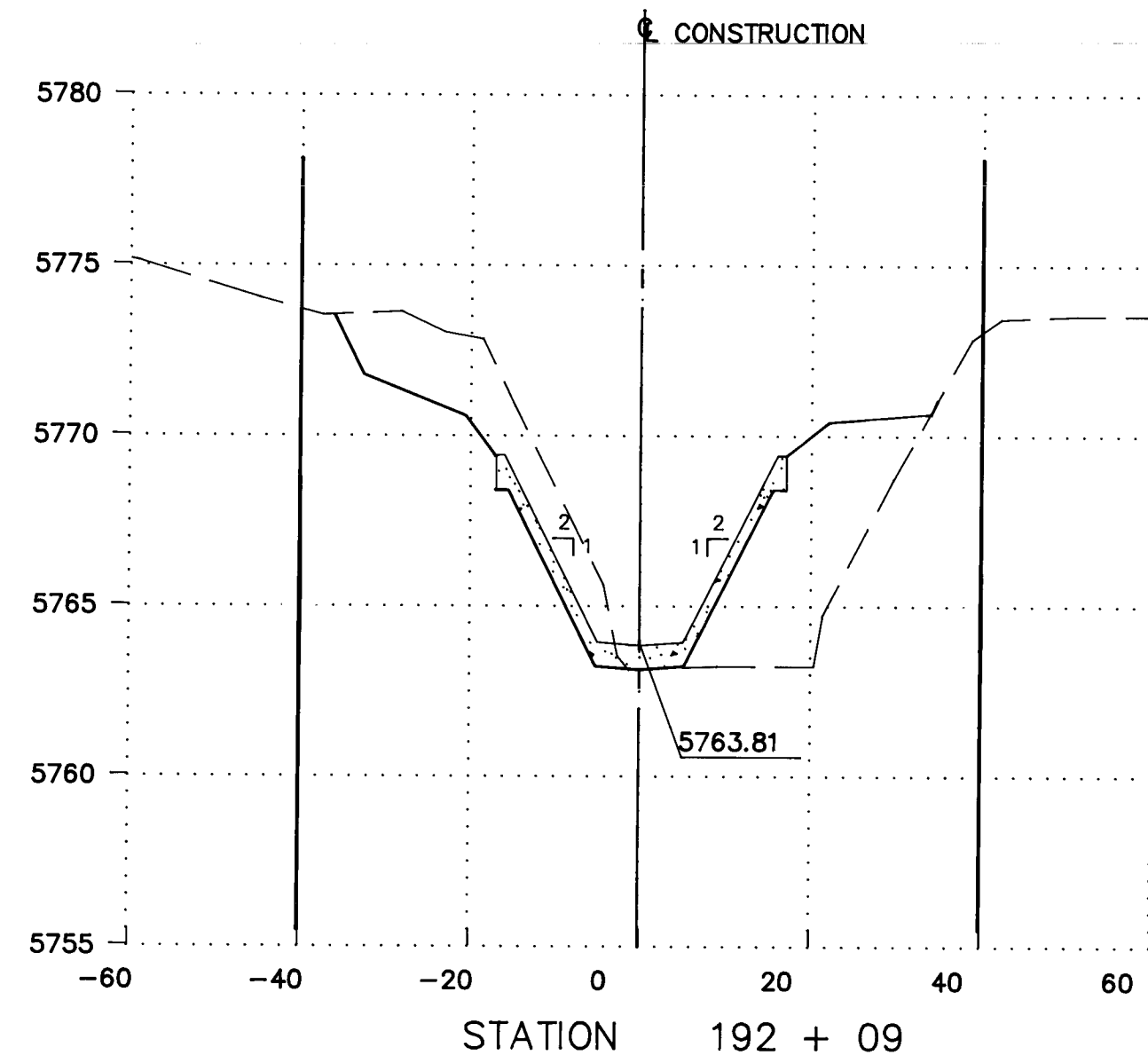
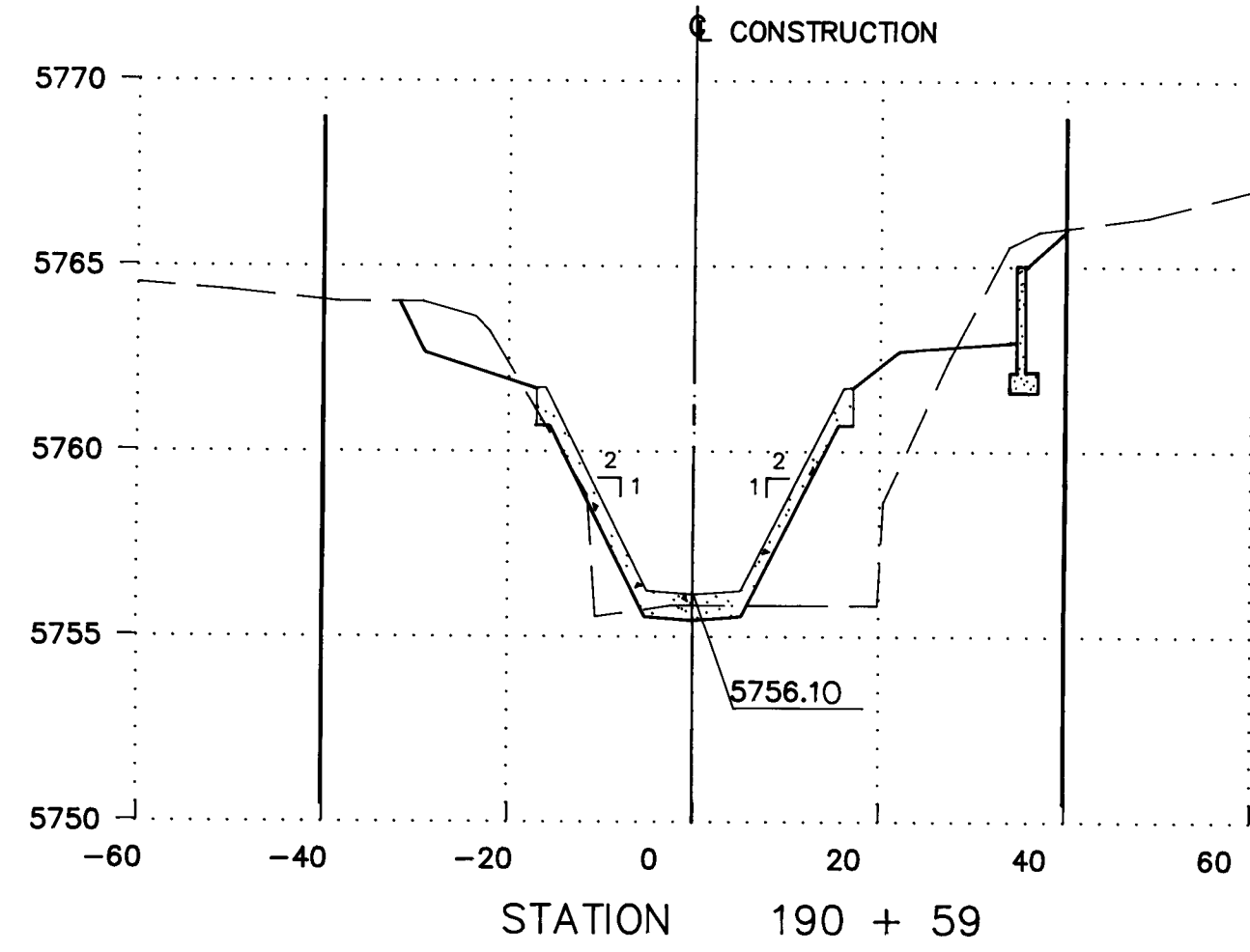
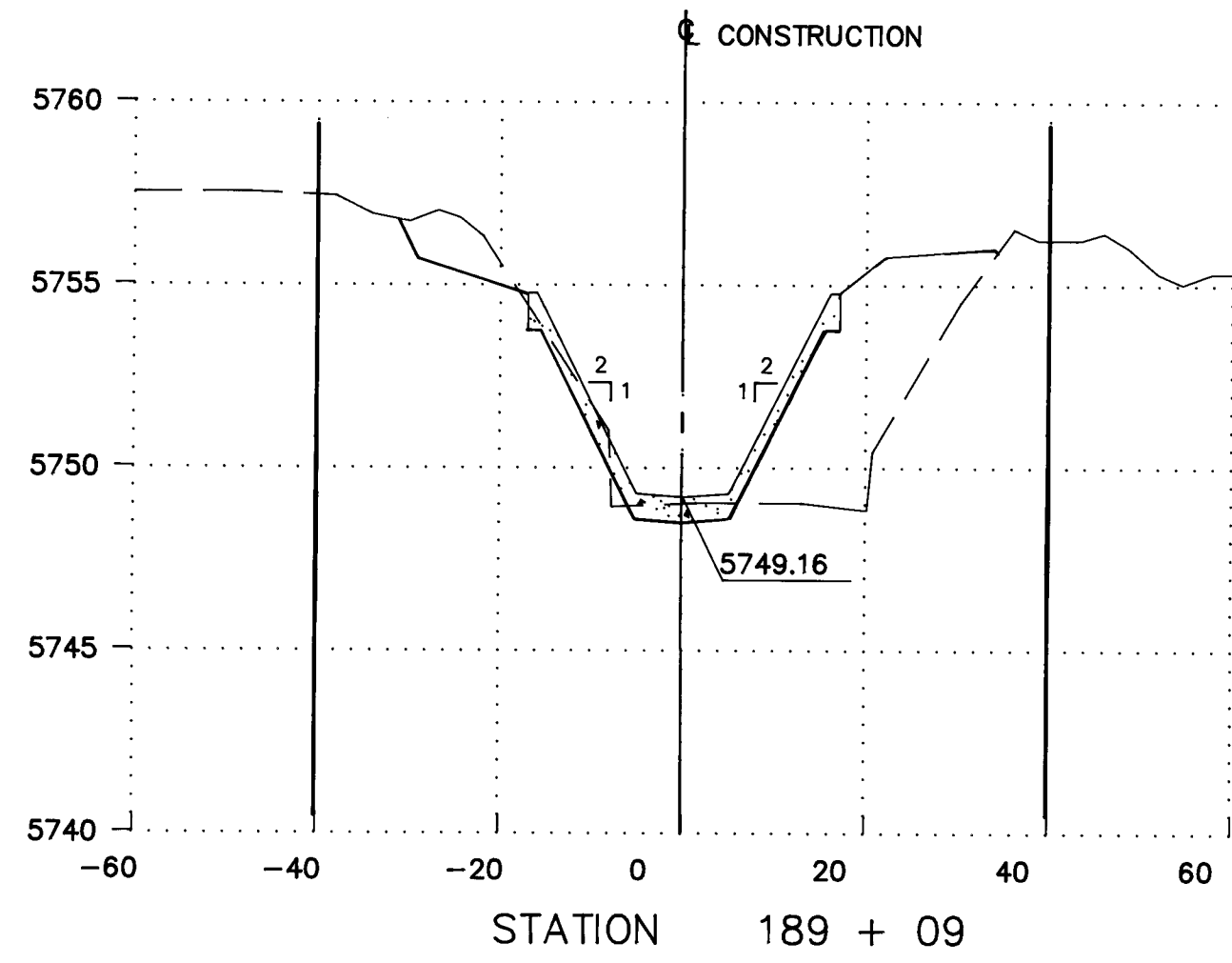
SECTION B-B

- NOTES
1. All work shall be done in accordance with City of Albuquerque Public Works Dept. Specifications.
 2. Concrete shall be 3000 P.S.I. (5.3 cu. yds./40' transition).
 3. For additional information see Standard CWB-75.
 4. Concrete wall barrier transition to be used only when a minimum of 30' recovery area is provided on the traffic approach side.

[illegible]

THIS SERIAL REVISED:

6			
5			
4			
3			
2			
1			
NO.	DESCRIPTION	DATE BY	
REVISIONS (OR CHANGE NOTICES)			
NEW MEXICO STATE HIGHWAY DEPARTMENT			
CONCRETE WALL BARRIER TRANSITION			
DESIGNED BY CHECKED BY: LAI	RECOMMENDED BY: <i>For Mr. K. C. ...</i> TRAFFIC ENGINEER DATE APPROVED BY: <i>For Mr. ...</i> ENGINEER OF DESIGN DATE		
SERIAL CWB-75A	SHEET 14 OF 20		

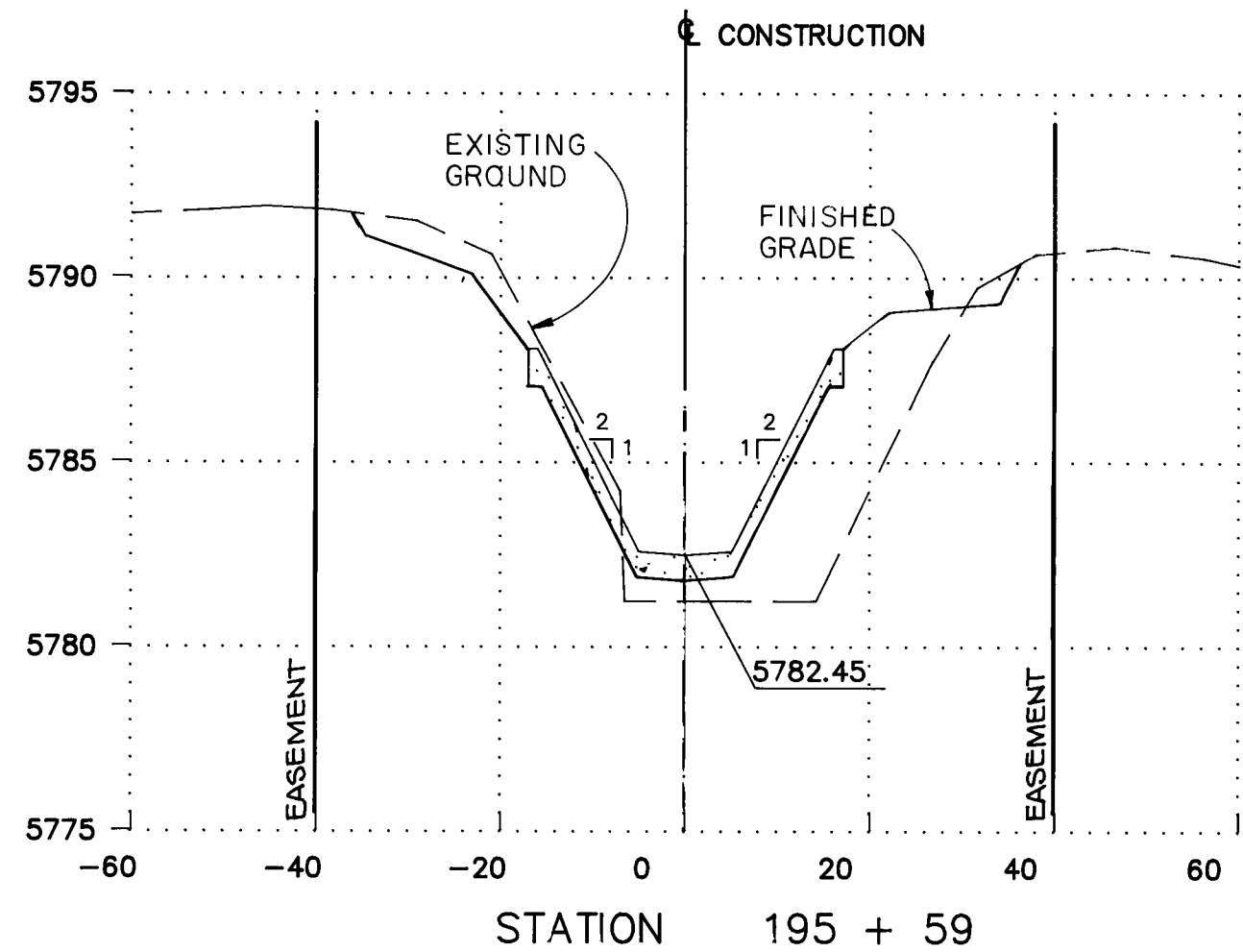
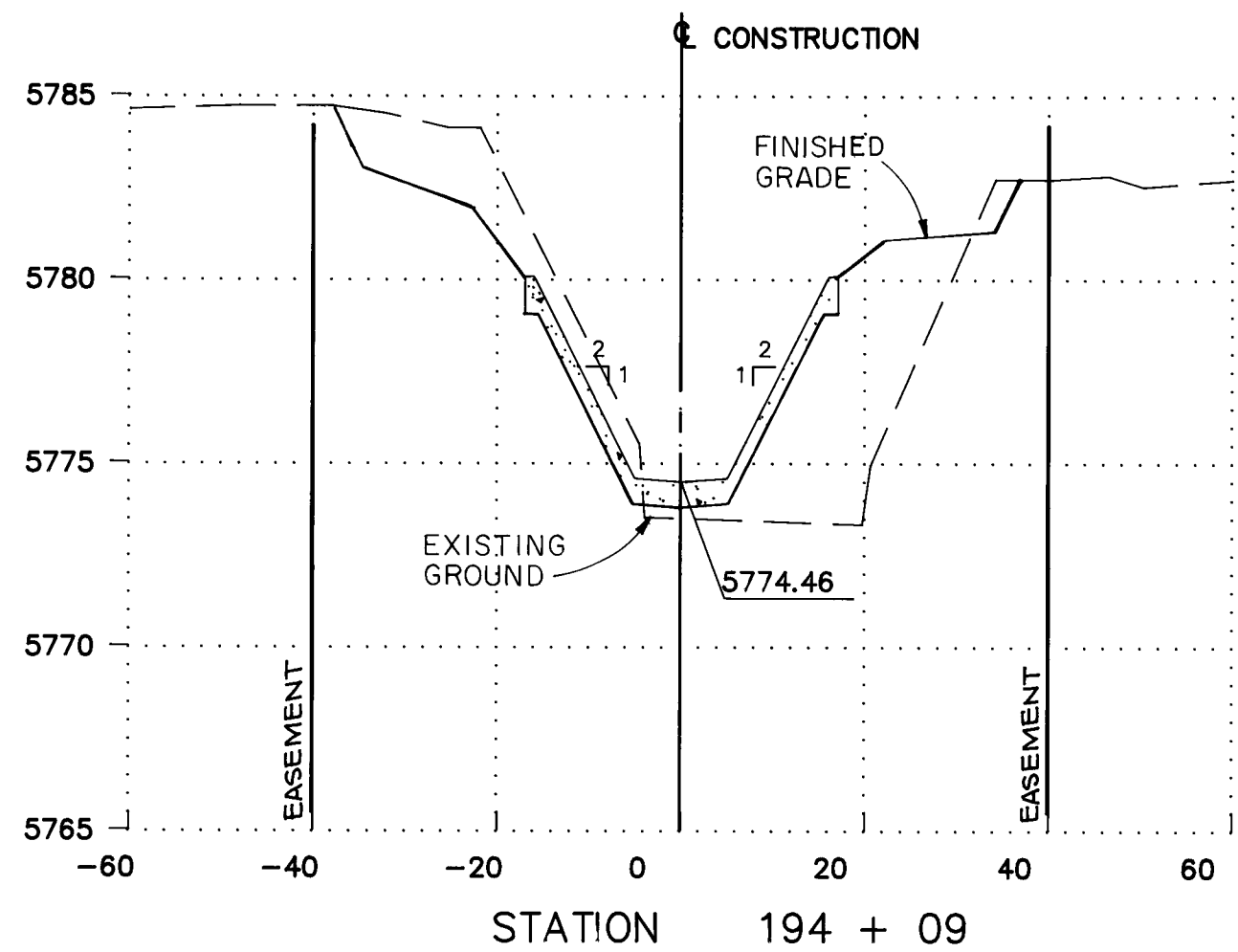
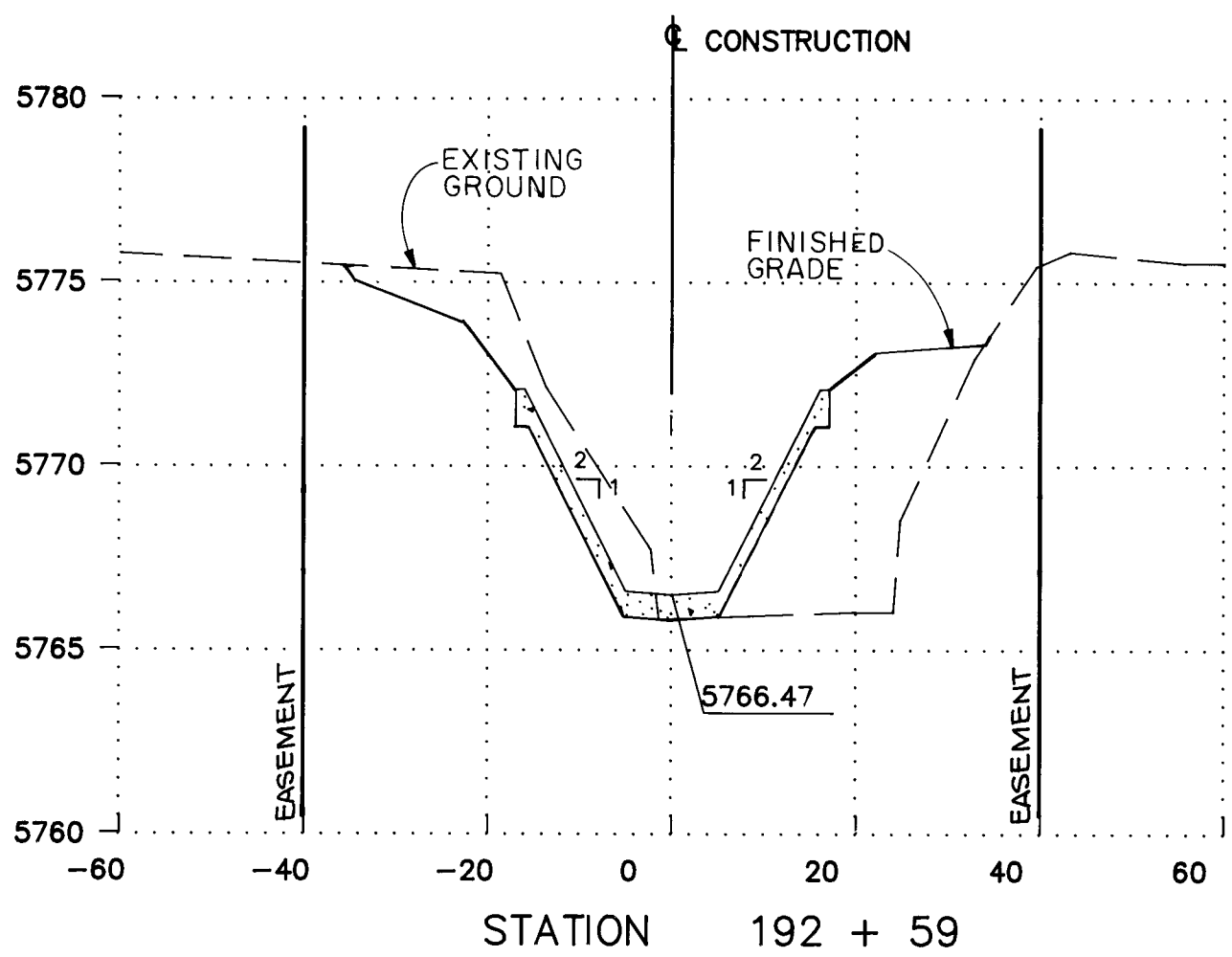
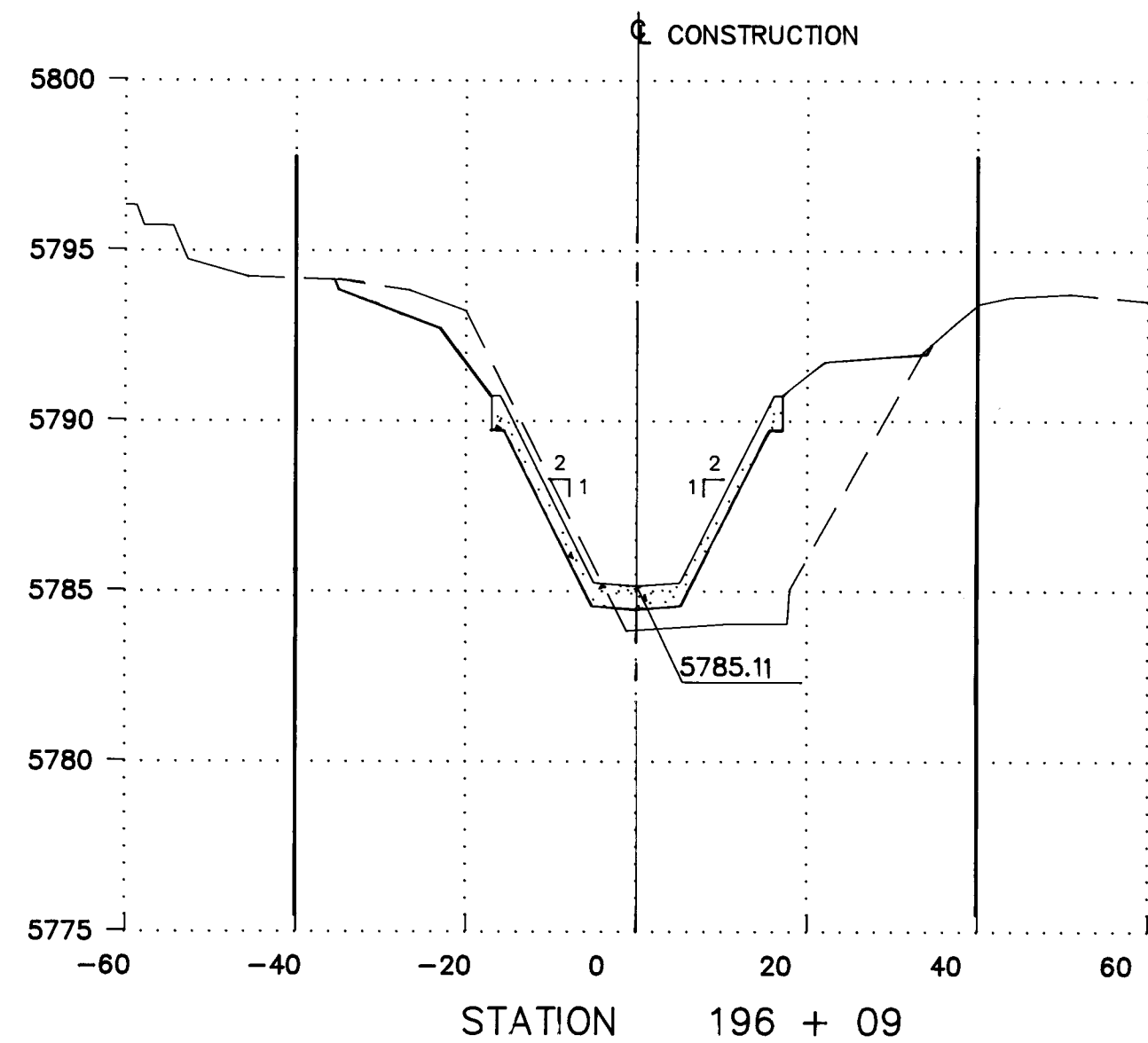
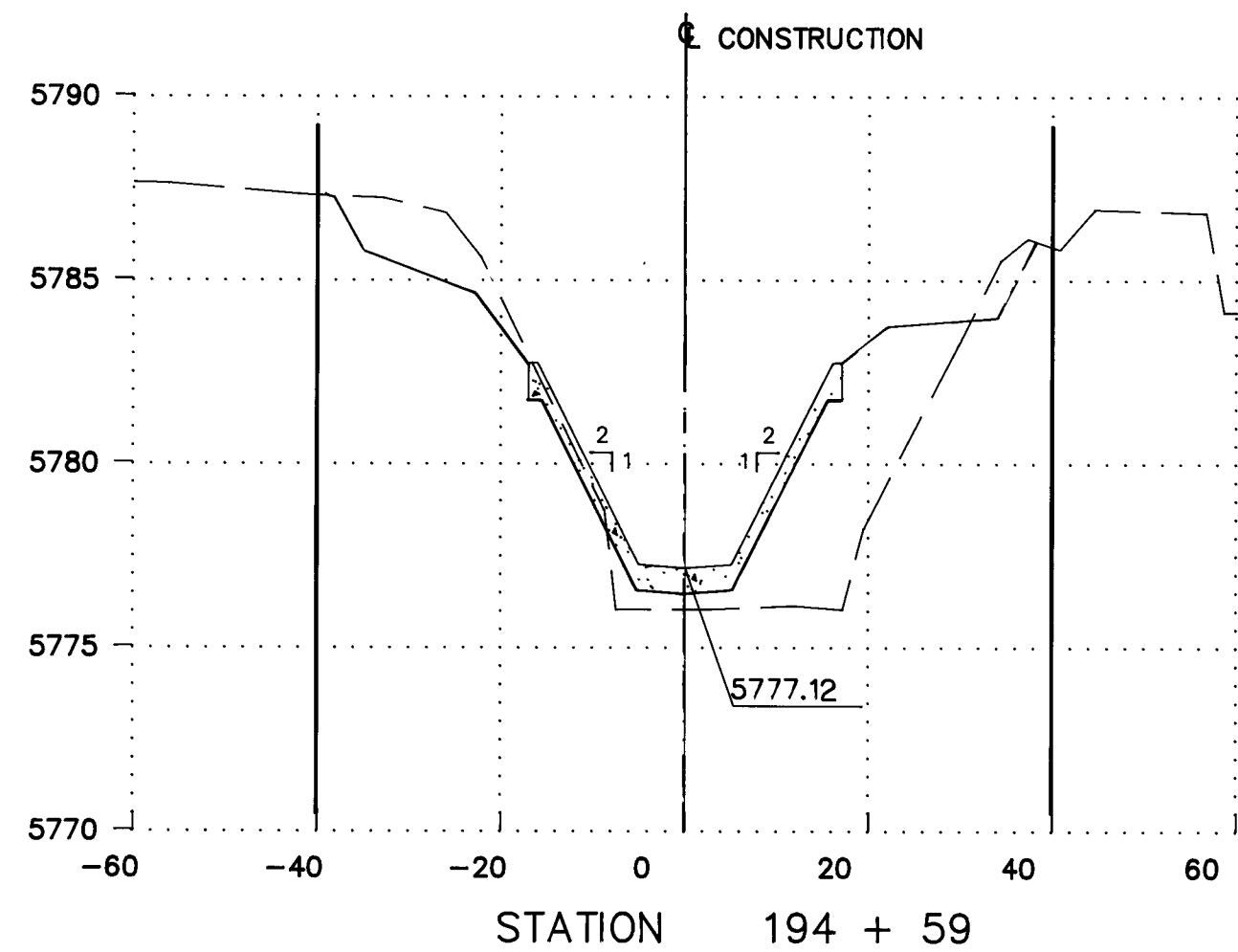
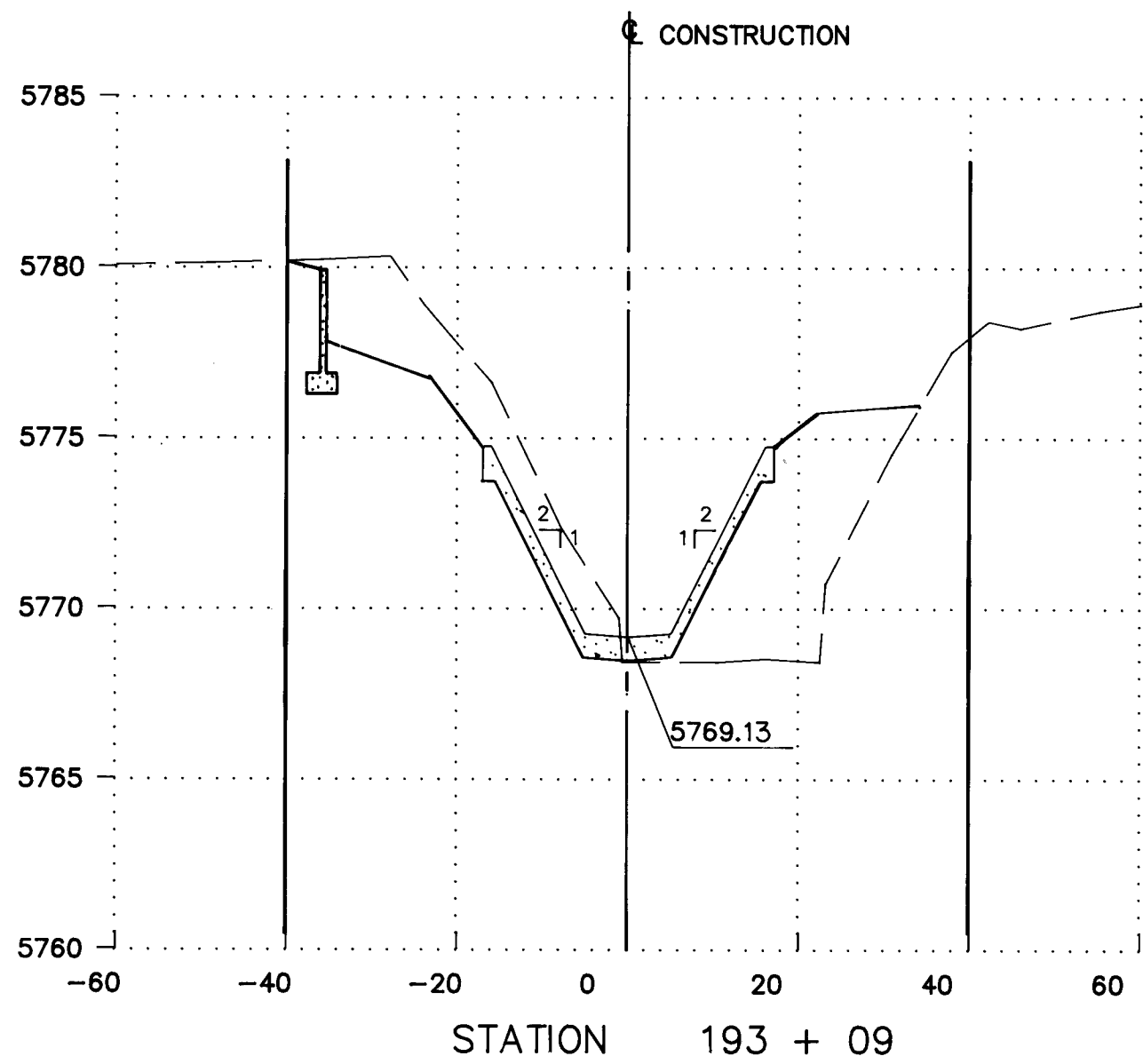
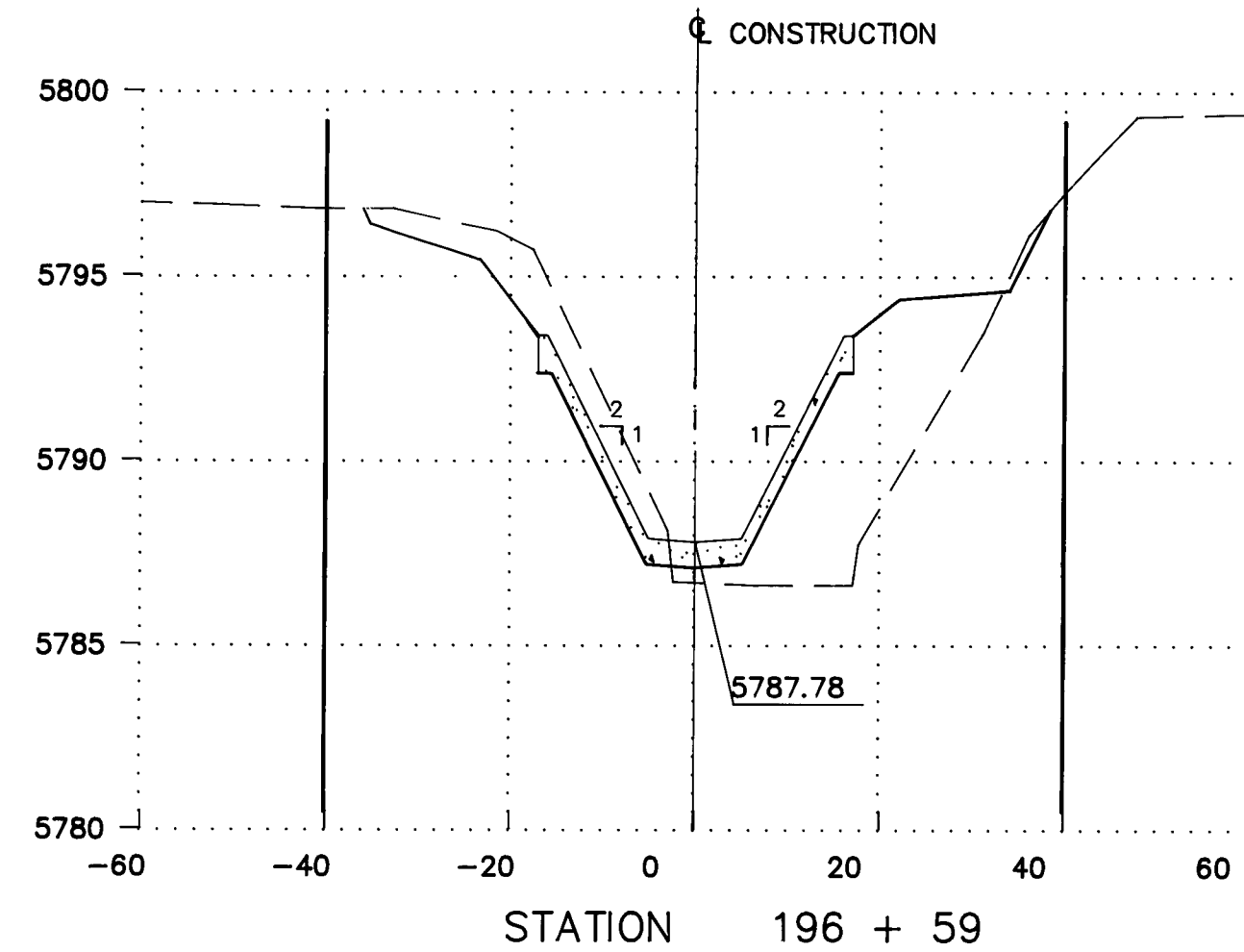
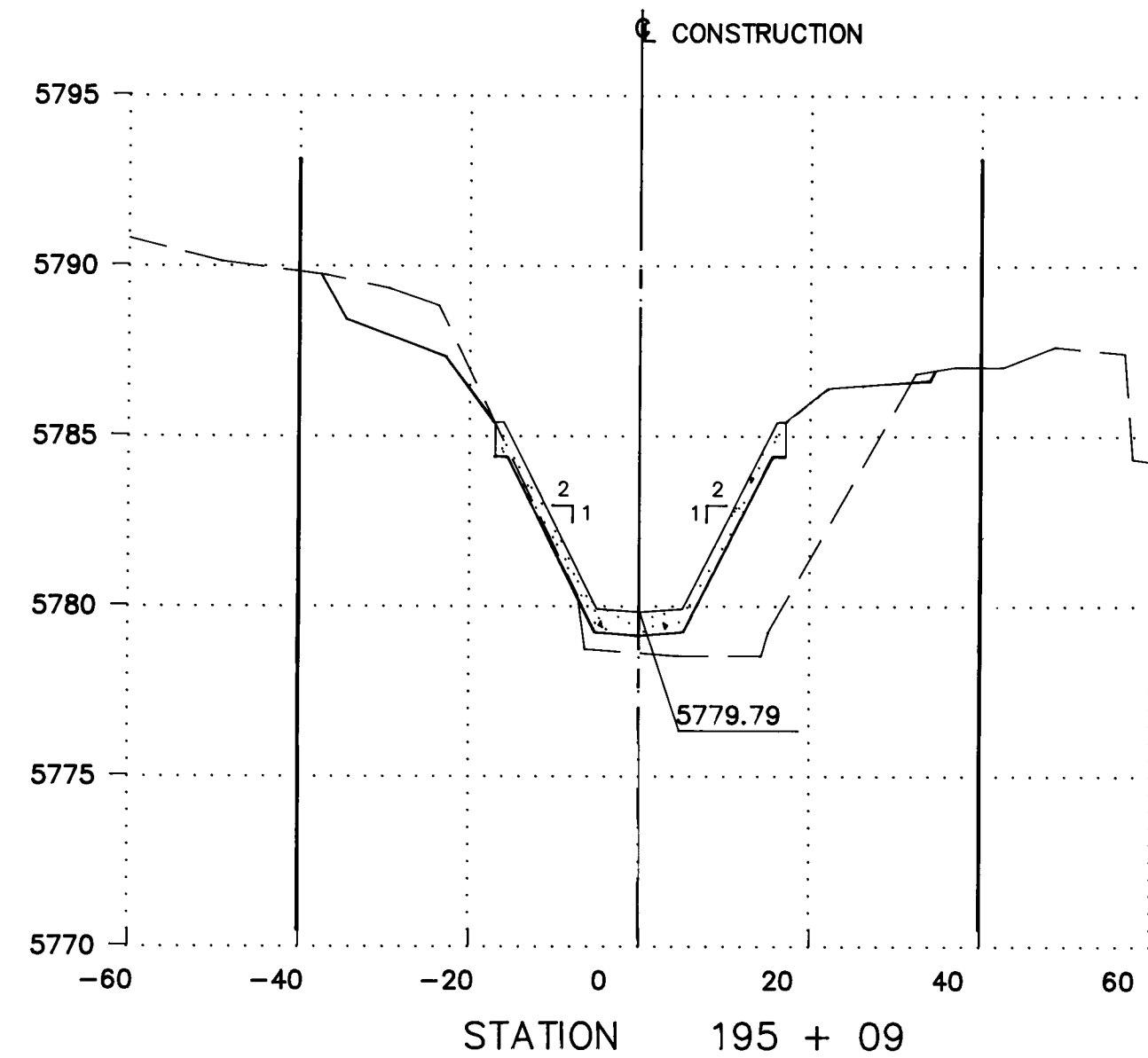
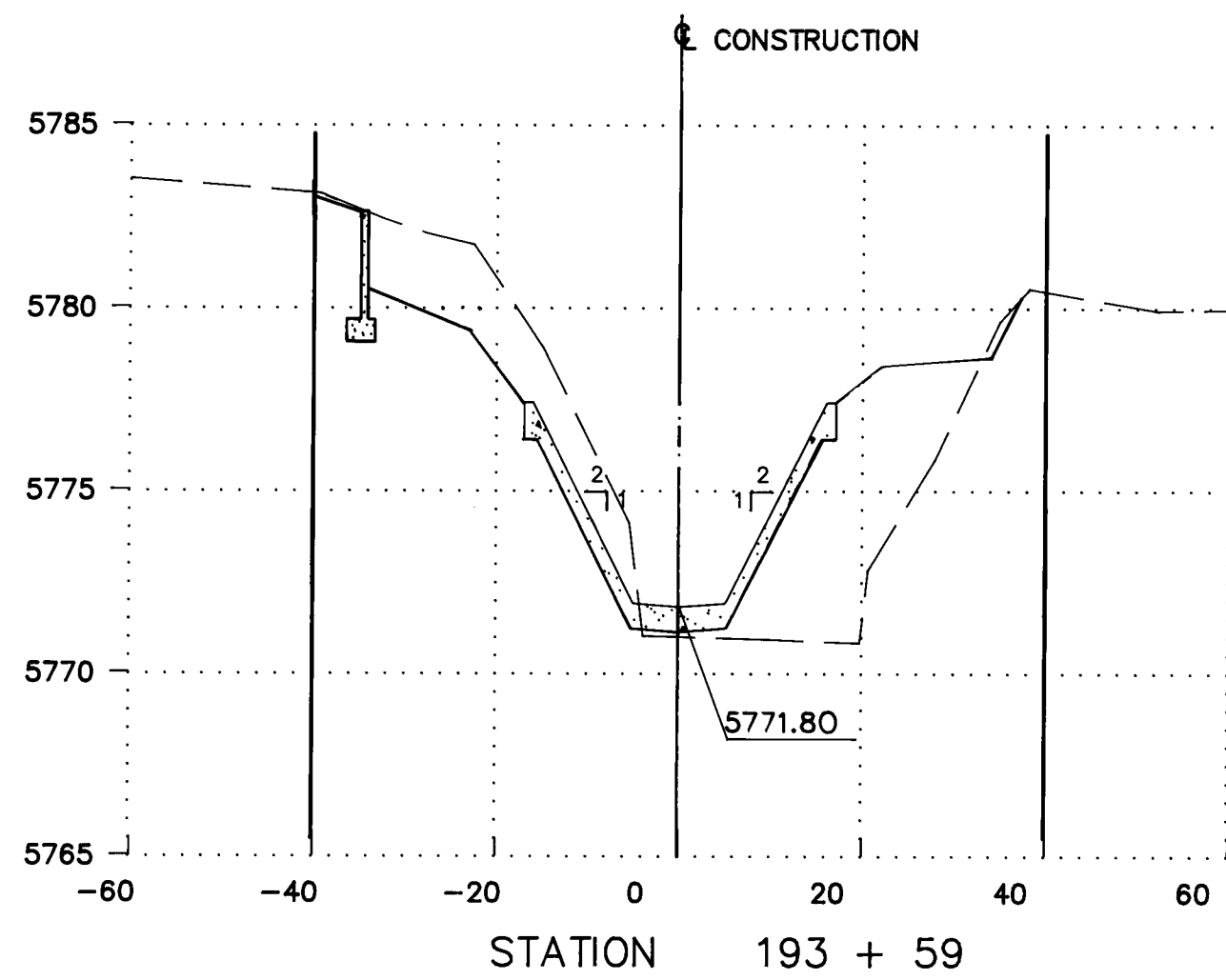


26 36021790

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: CHANNEL CROSS SECTIONS					
EMBUDO ARROYO CHANNEL LINING					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Regina R. Rios	9-14-89			
Trans. Dev.	N/A RWR	9-14-89			
Utility Dev.	N/A RWR	9-14-89			
Hydrology	CAM	9-14-89			
DRAWING NO.	3602	MAP NO. H-22	SHEET 17	OF 20	

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
[Seal]		FIELD NOTES		STANDARD A.C.S. BESS CAP 1/2" - 3/4" LOCATED APPROXIMATELY 38 FT. SOUTH OF HAINES AVE N.E. & LUJAN TABO BLVD. N.E. EL. 5663.92-4		CONTRACTOR	
NO.		BY		DATE		STANDARD BY	
NO.		BY		DATE		INSPECTED BY	
NO.		BY		DATE		FIELD BY	
NO.		BY		DATE		CORRECTED BY	
NO.		BY		DATE		MICRO-FILM INFORMATION	
NO.		BY		DATE		RECORDED BY	
NO.		BY		DATE		NO.	

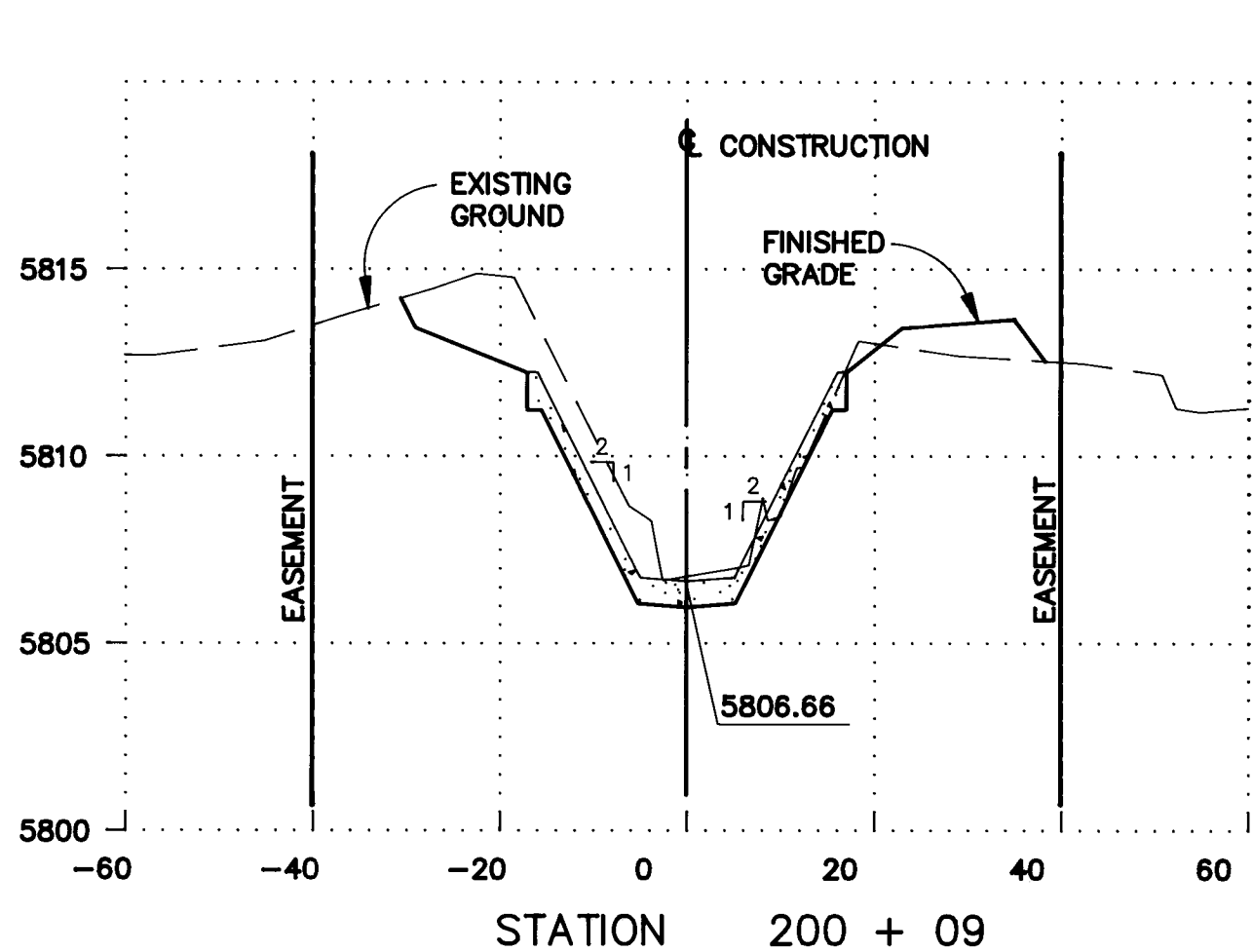
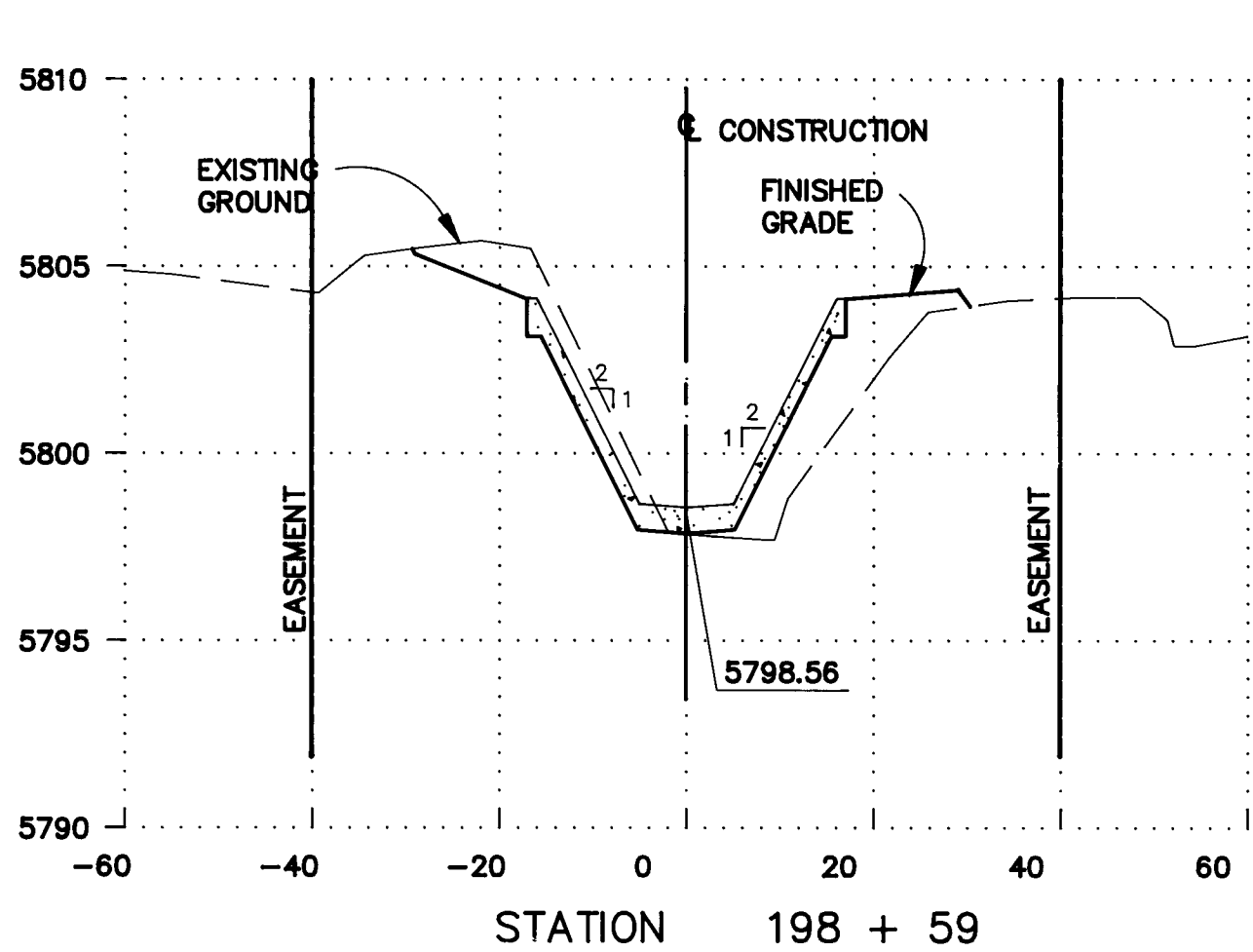
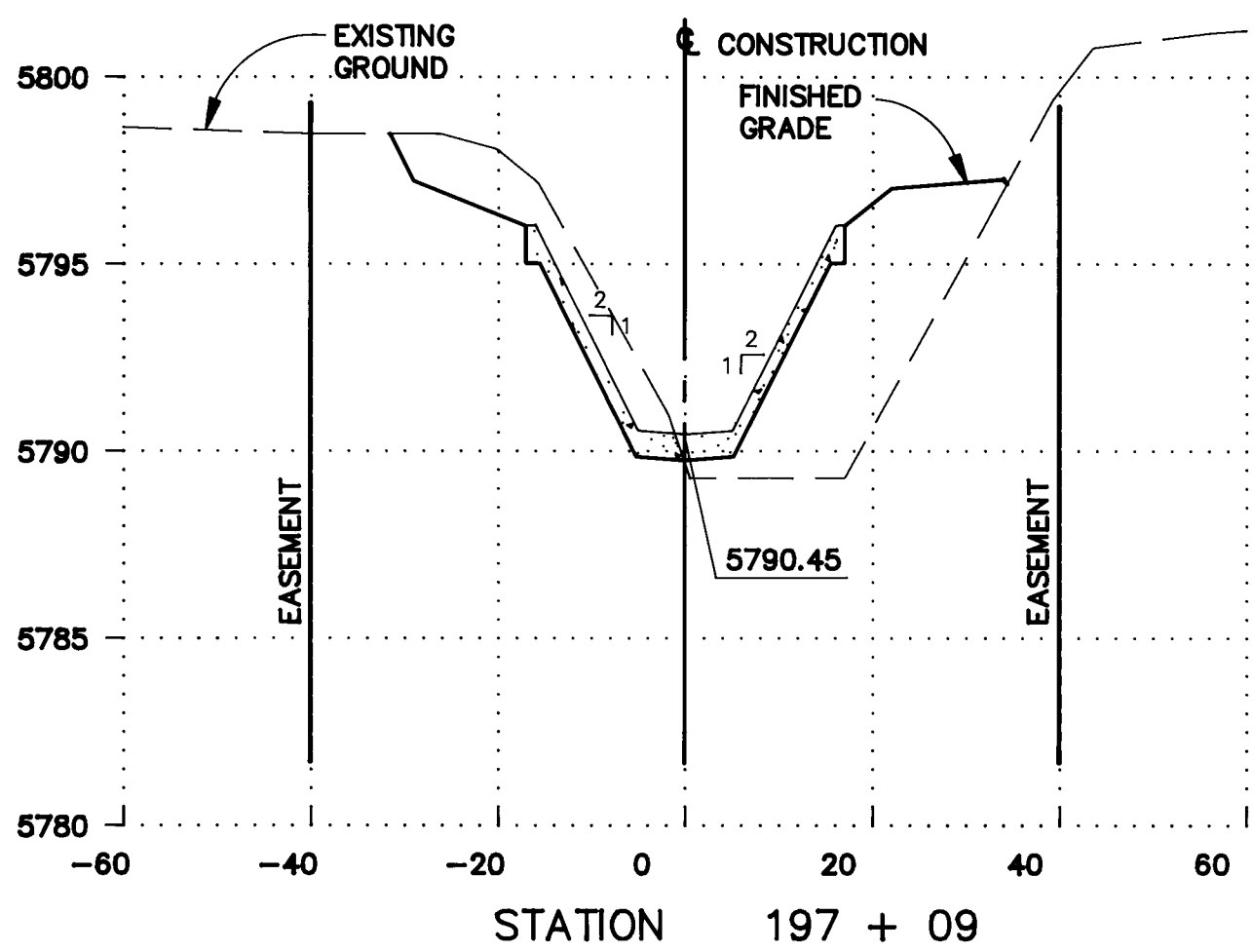
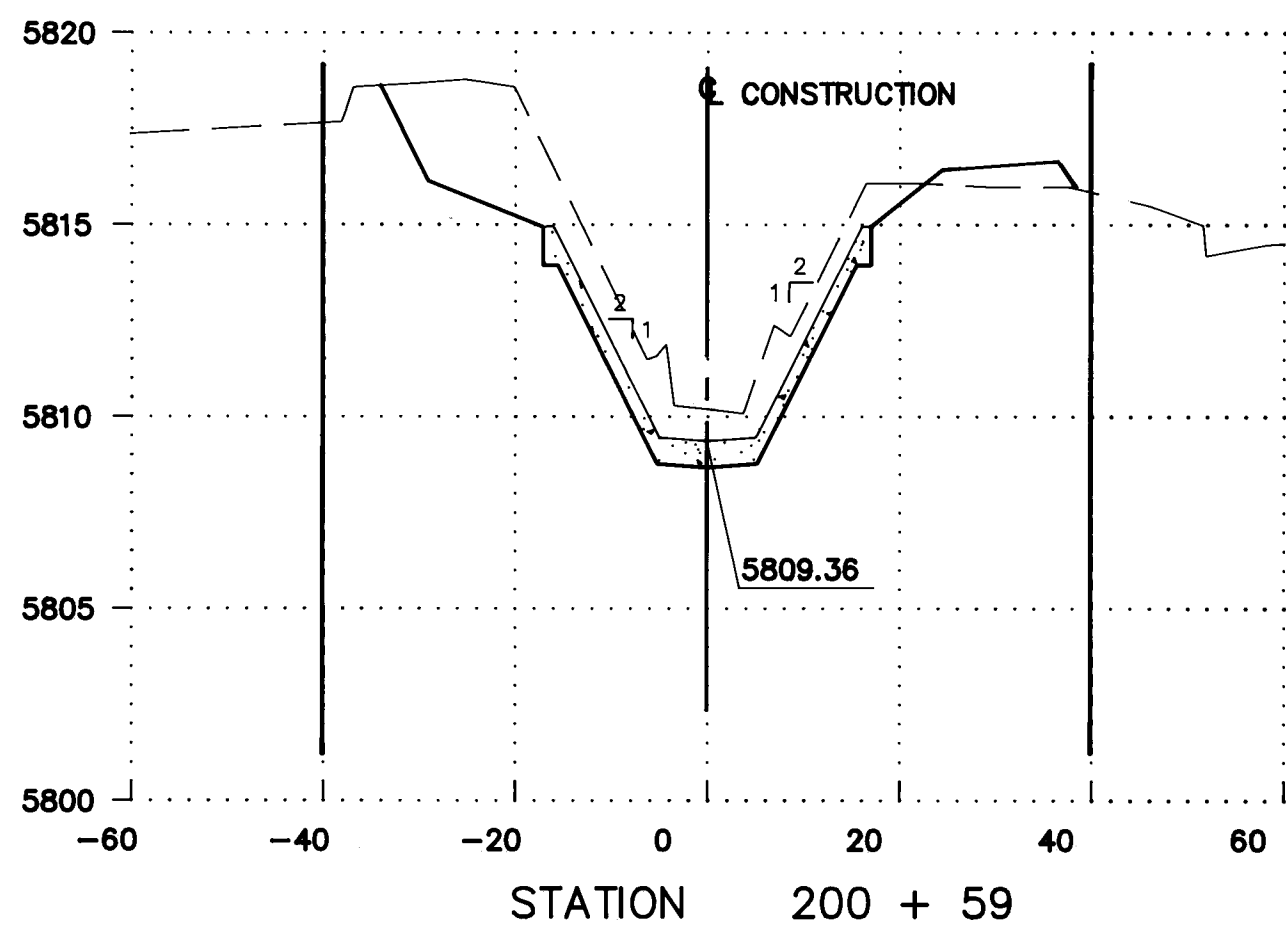
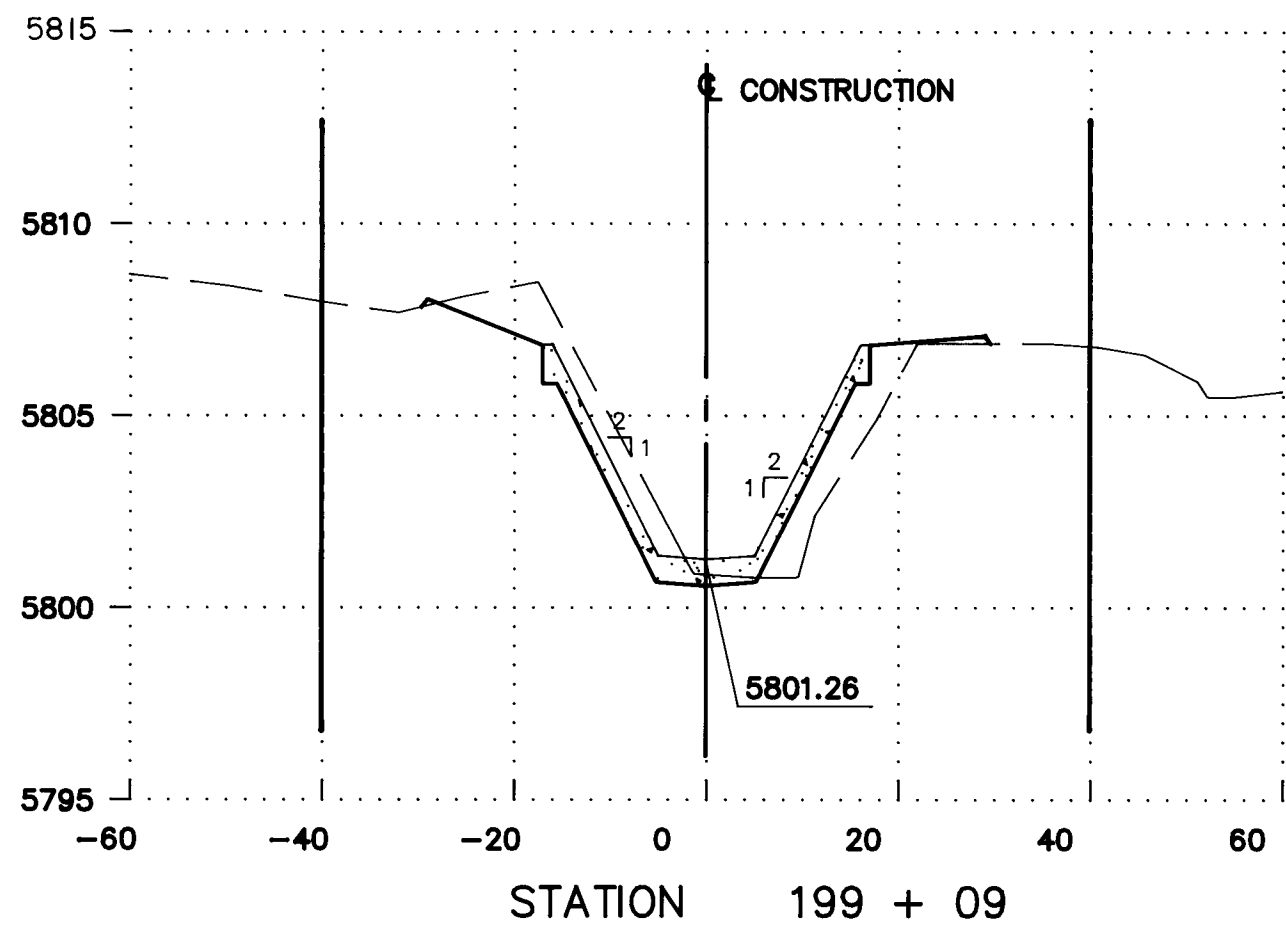
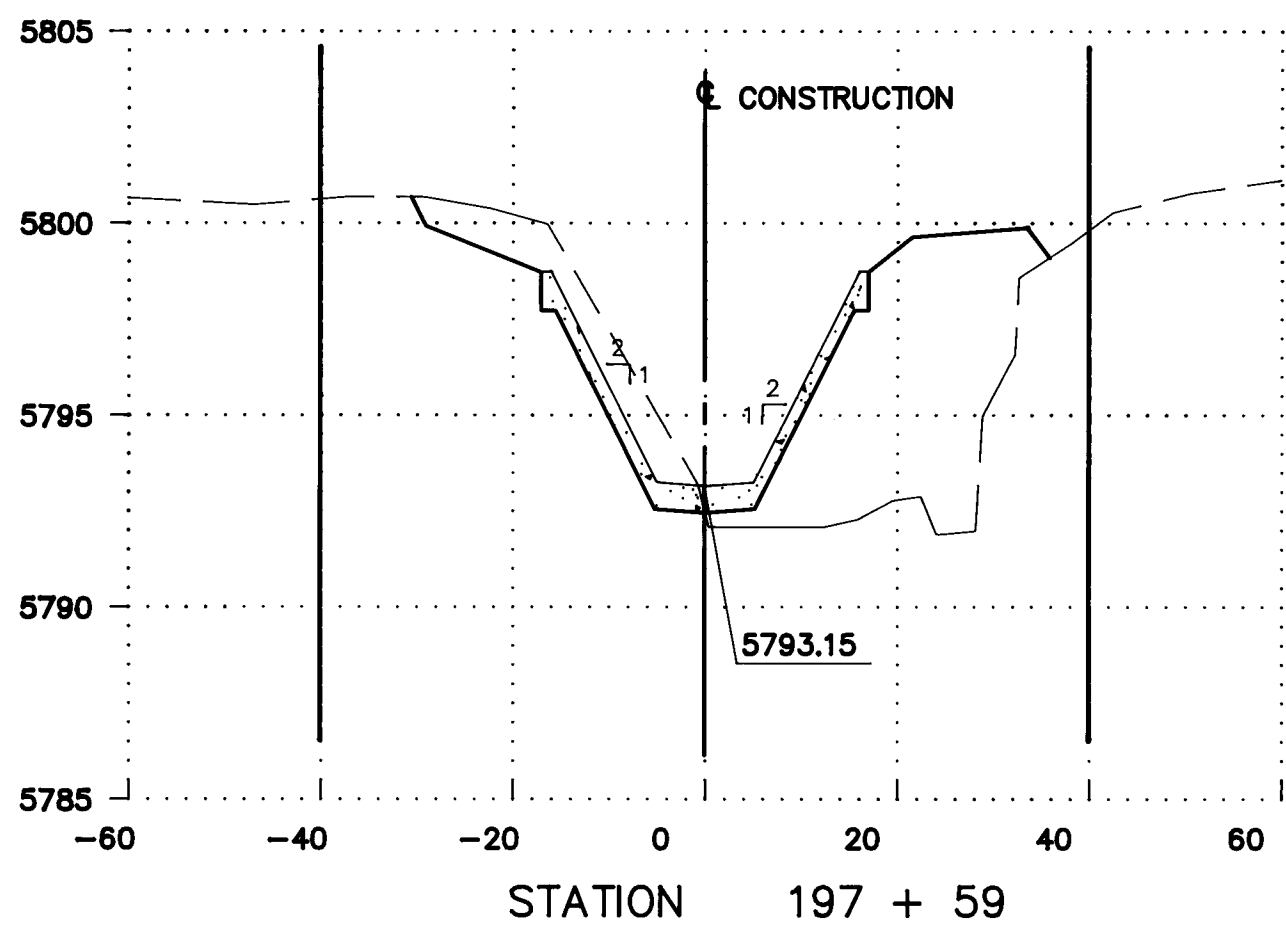
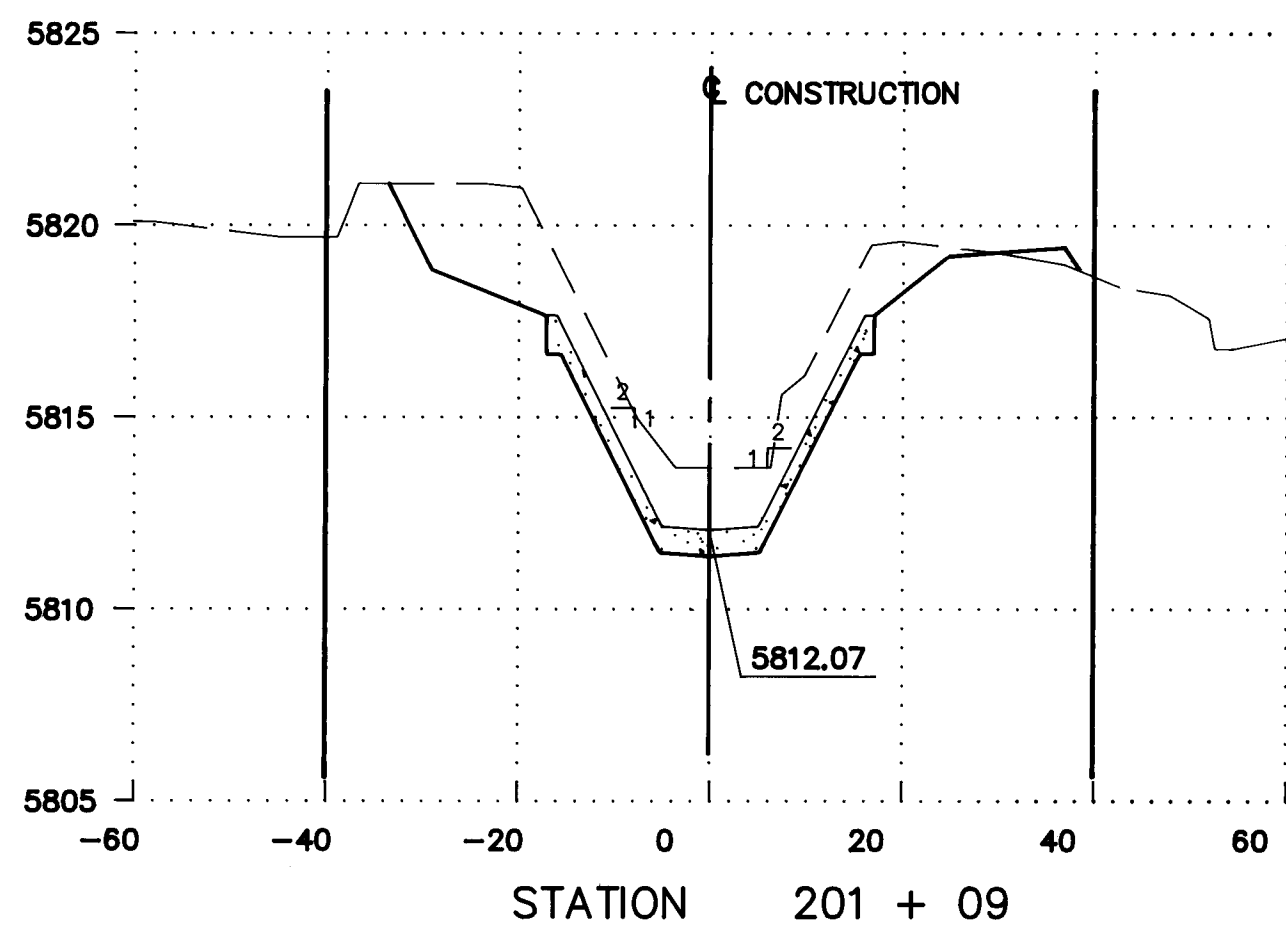
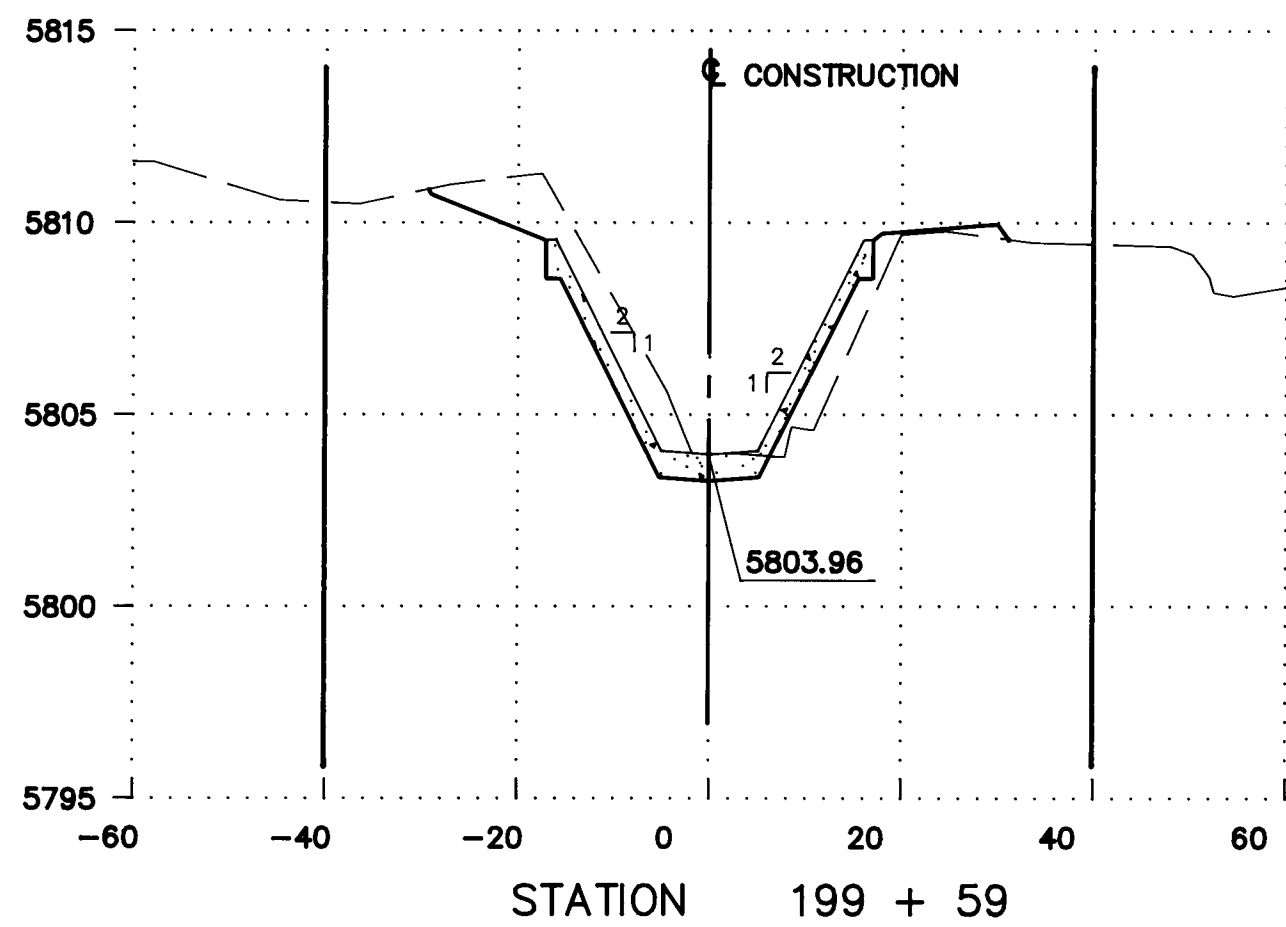
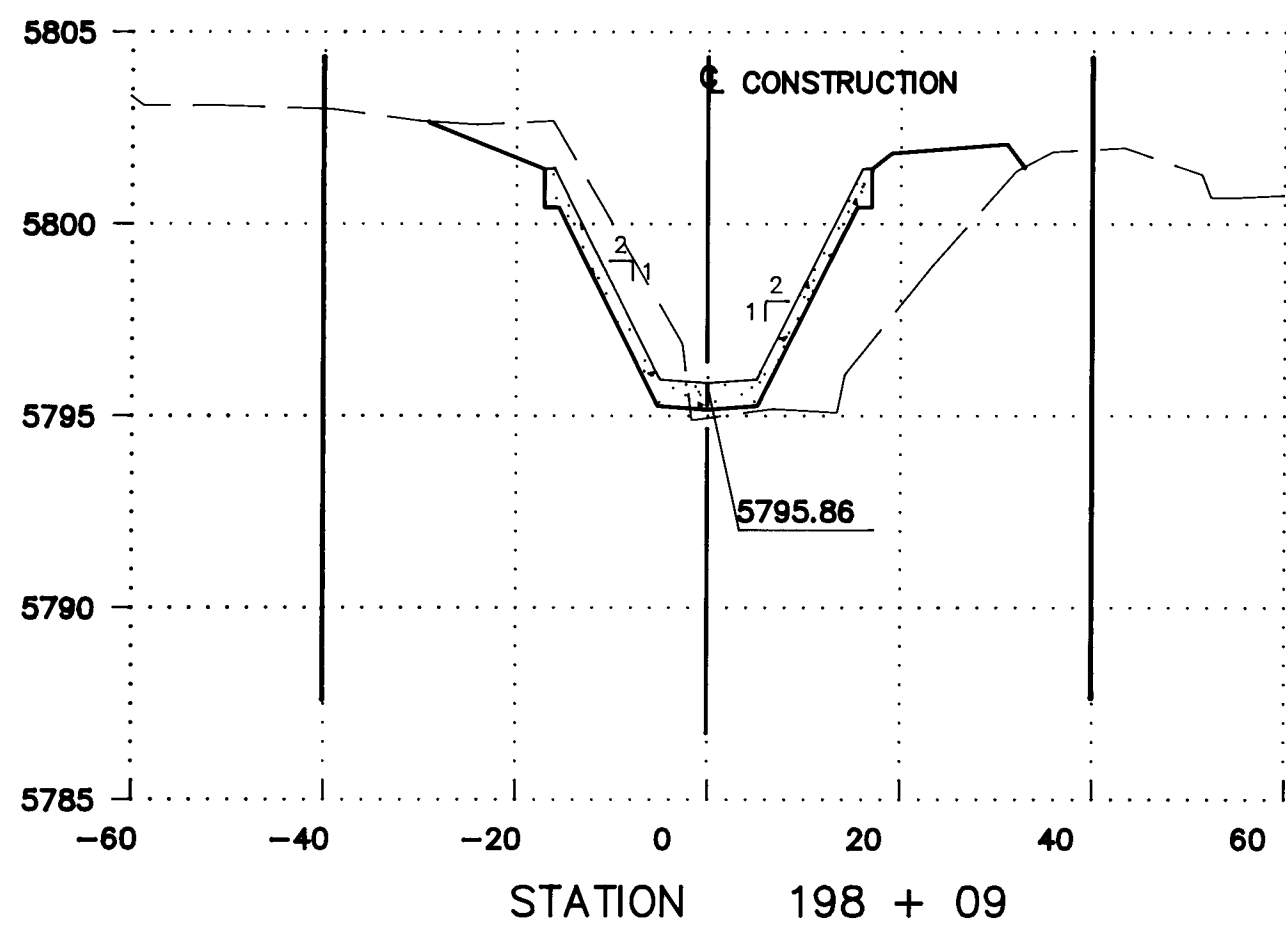


AS BUILT INFORMATION			SURVEY INFORMATION			ENGINEER'S SEAL			REVISIONS			DESIGN		
CONTRACT NO.	STANDARD A.C.S. BESS CAP 1/17-3A"	DATE	NO.	BY	DATE				NO.	DATE	REMARKS	NO.	DATE	REMARKS
INSPECTOR'S NAME	LOCATED APPROXIMATELY 30 FT. SOUTH OF HAINES AVE. N.E. & JULIAN TABO BLVD N.E. EL=56613.70A	DATE												
FIELD ENGINEER		DATE				DESIGNED BY G.A.S. DRAWN BY S.B.H./M.M.M. CHECKED BY T.W.P.								
VERIFICATION BY		DATE												
CORRECTED BY		DATE				SHEET 18 OF 20								
MICRO-FILM		DATE												
RECORDED BY		DATE												
NO.														

26 360218190

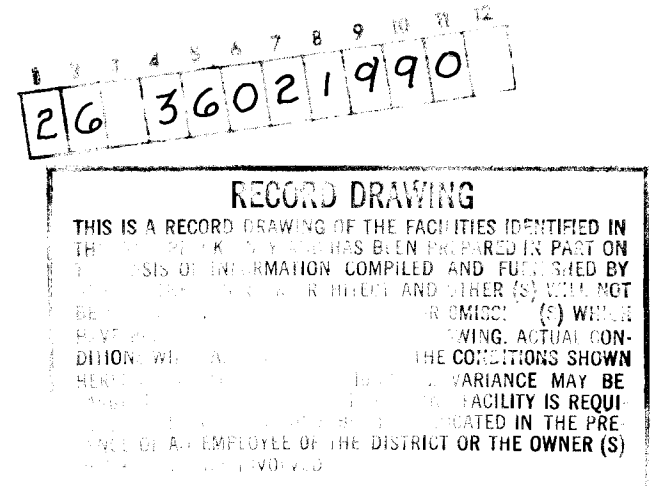
THIS IS A REPRODUCTION OF THE FACILITIES IDENTIFIED IN THE ORIGINAL DRAWING. IT IS NOT A SUBSTITUTE FOR THE ORIGINAL DRAWING. IT IS THE RESPONSIBILITY OF THE USER TO VERIFY THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. THE USER SHALL BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS. THE USER SHALL BE RESPONSIBLE FOR ANY DAMAGES, INCLUDING REASONABLE ATTORNEY'S FEES, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THIS REPRODUCTION. THE USER SHALL BE RESPONSIBLE FOR ANY DAMAGES, INCLUDING REASONABLE ATTORNEY'S FEES, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THIS REPRODUCTION.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: CHANNEL CROSS SECTIONS					
EMBUDO ARROYO CHANNEL LINING					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	R. J. Rios	9-14-89			
Trans. Dev.	N/A RWD	9-14-89			
Utility Dev.	N/A RWD	9-12-89			
Hydrology	CAM	9-14-89			
DRAWING NO.	3602	MAP NO. H-22	SHEET 18	OF 20	

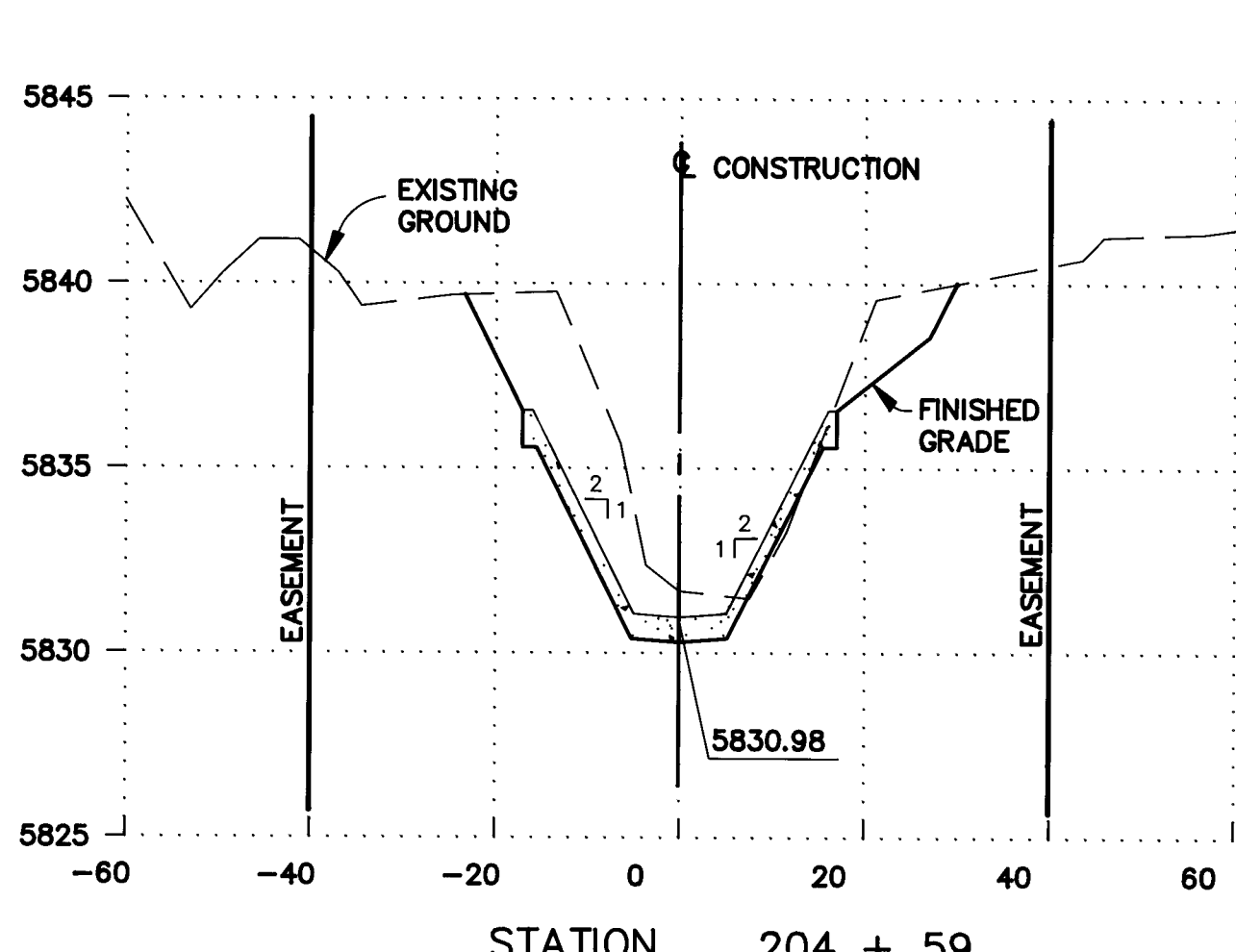
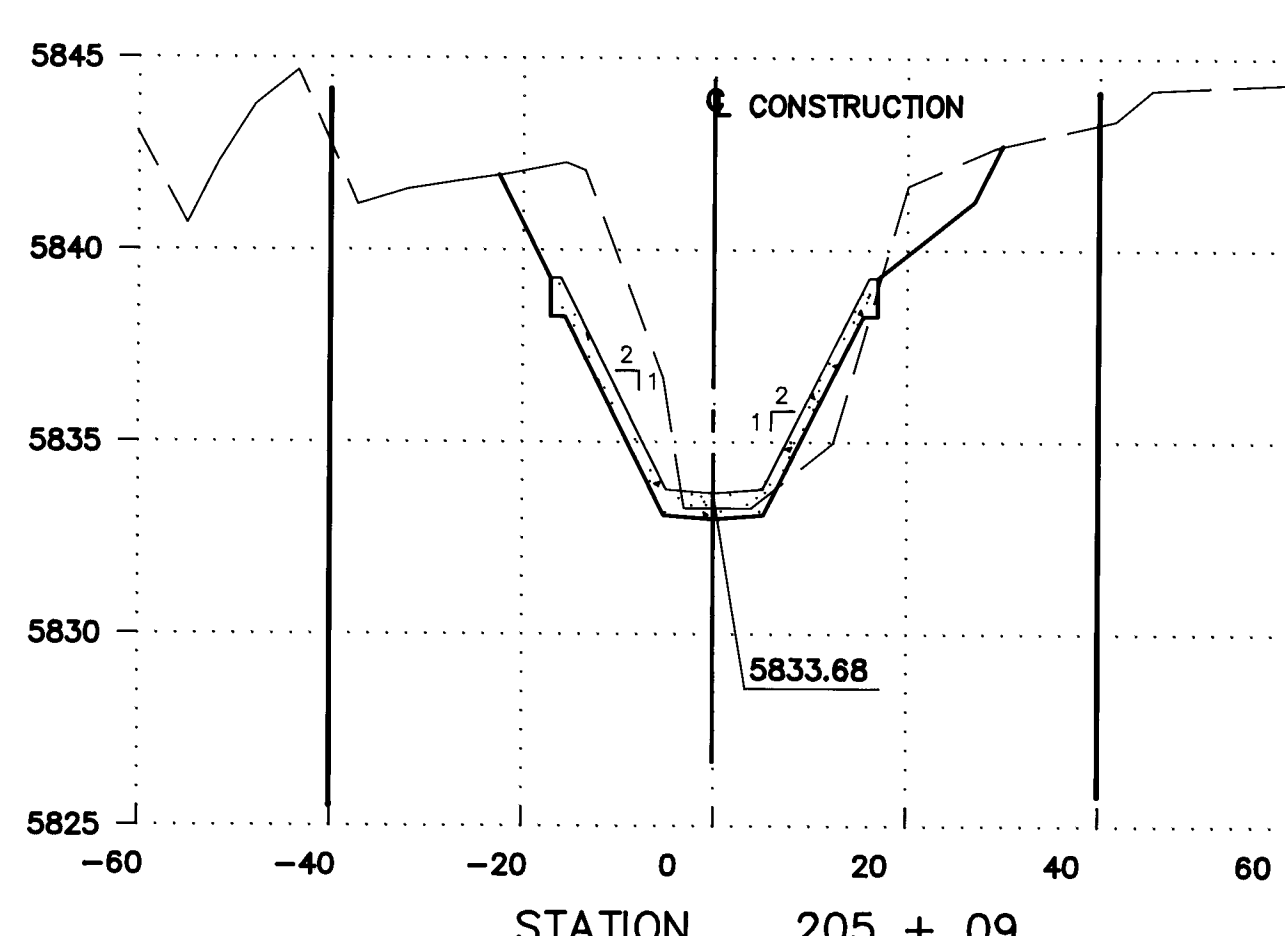
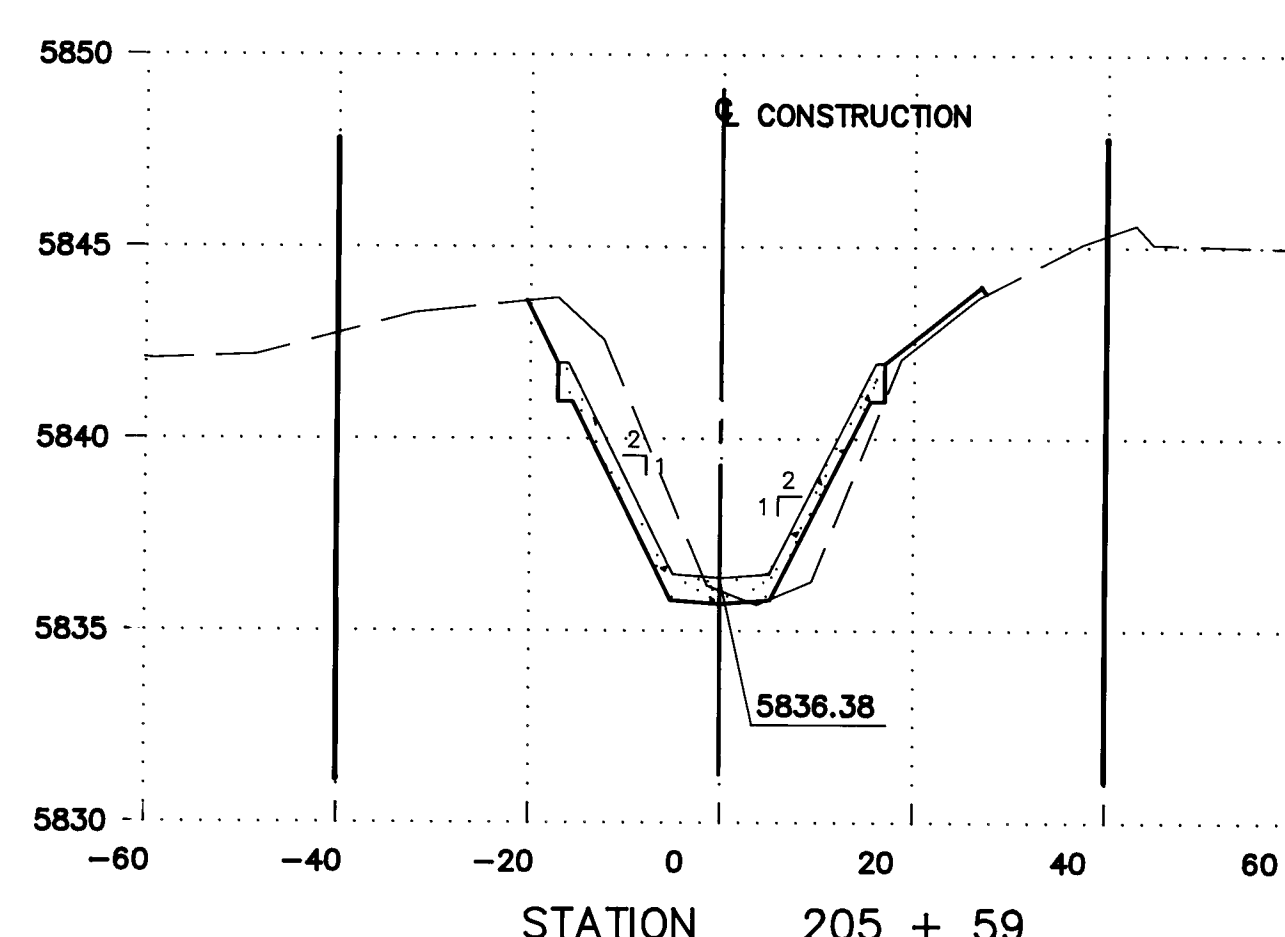
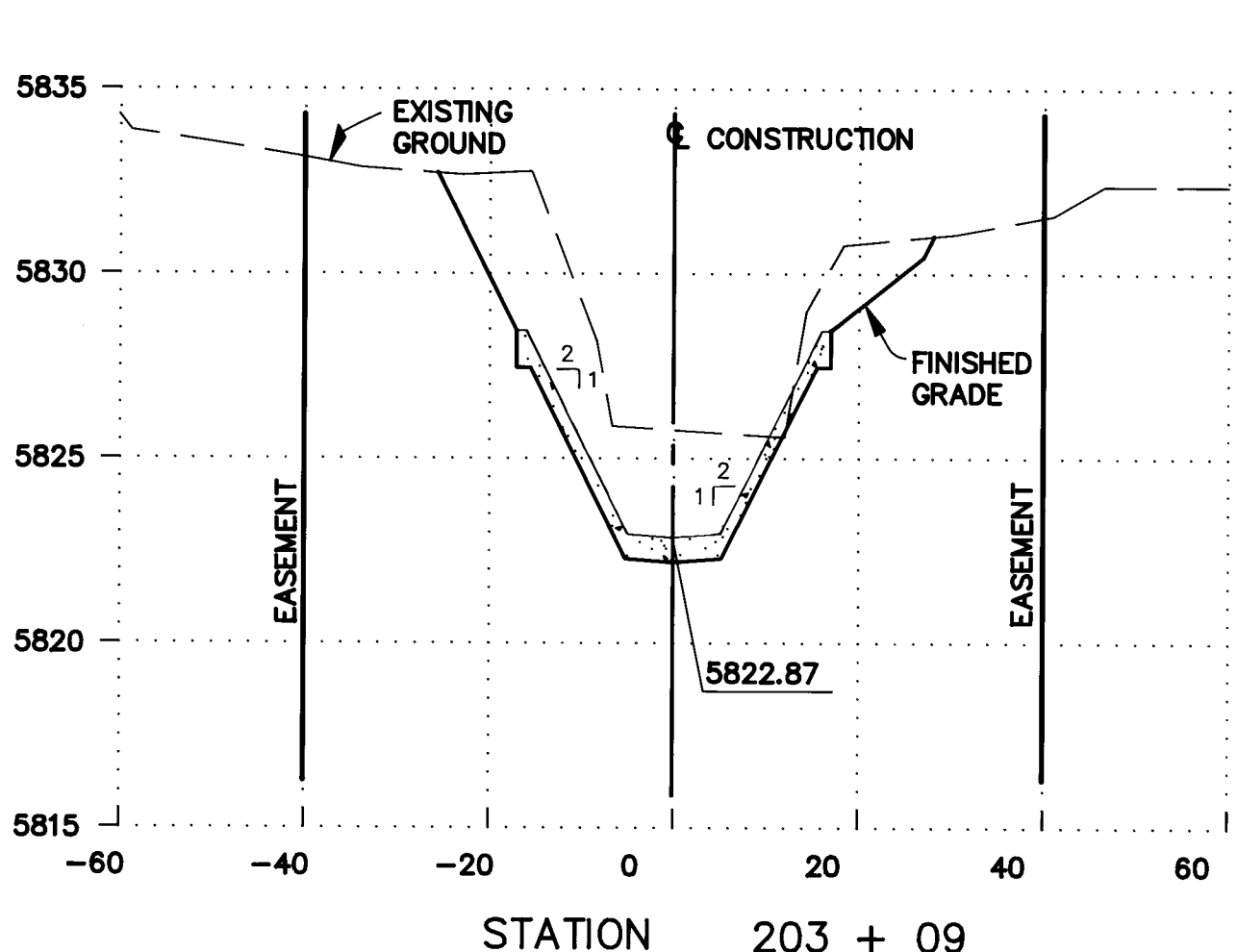
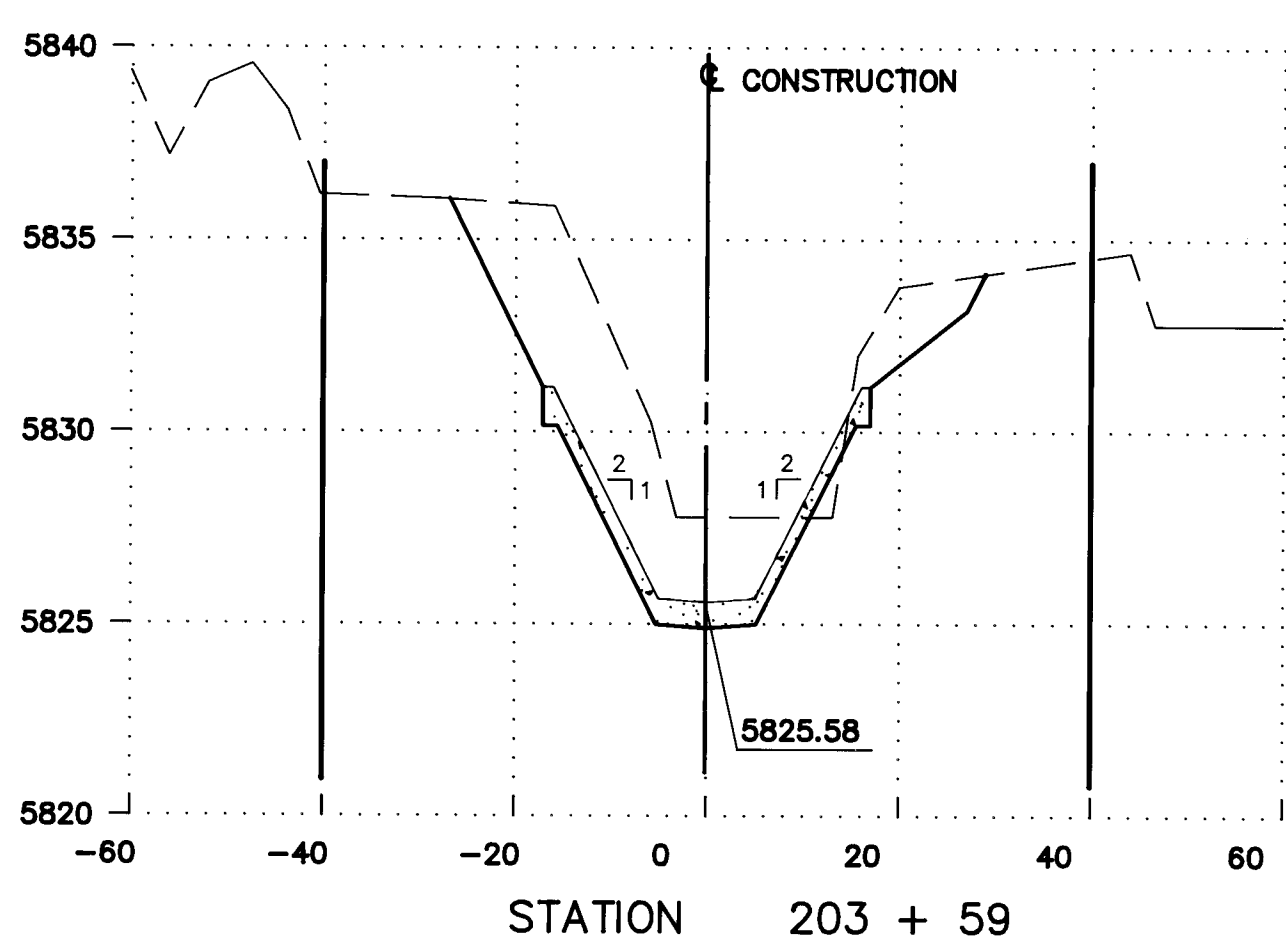
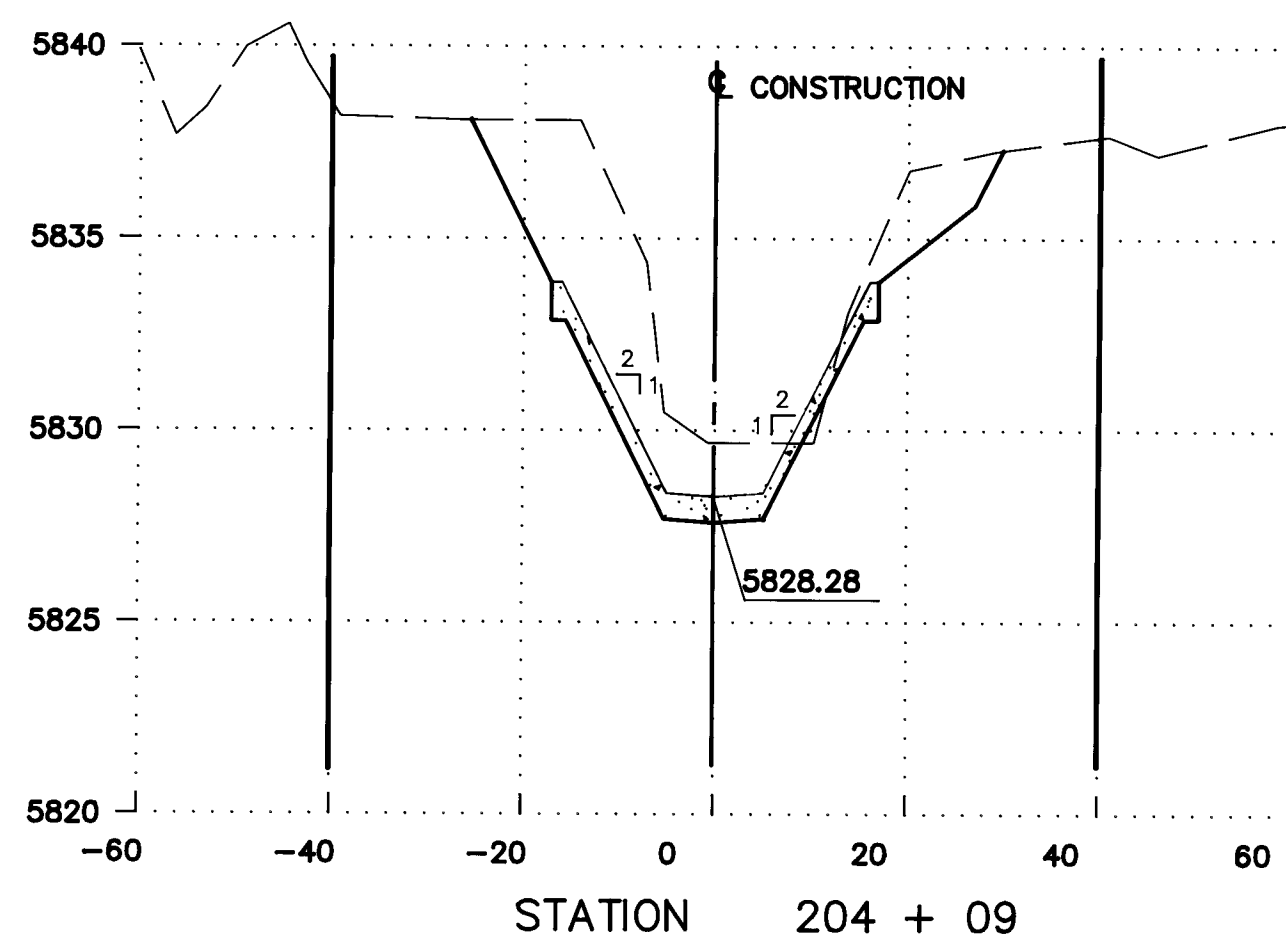
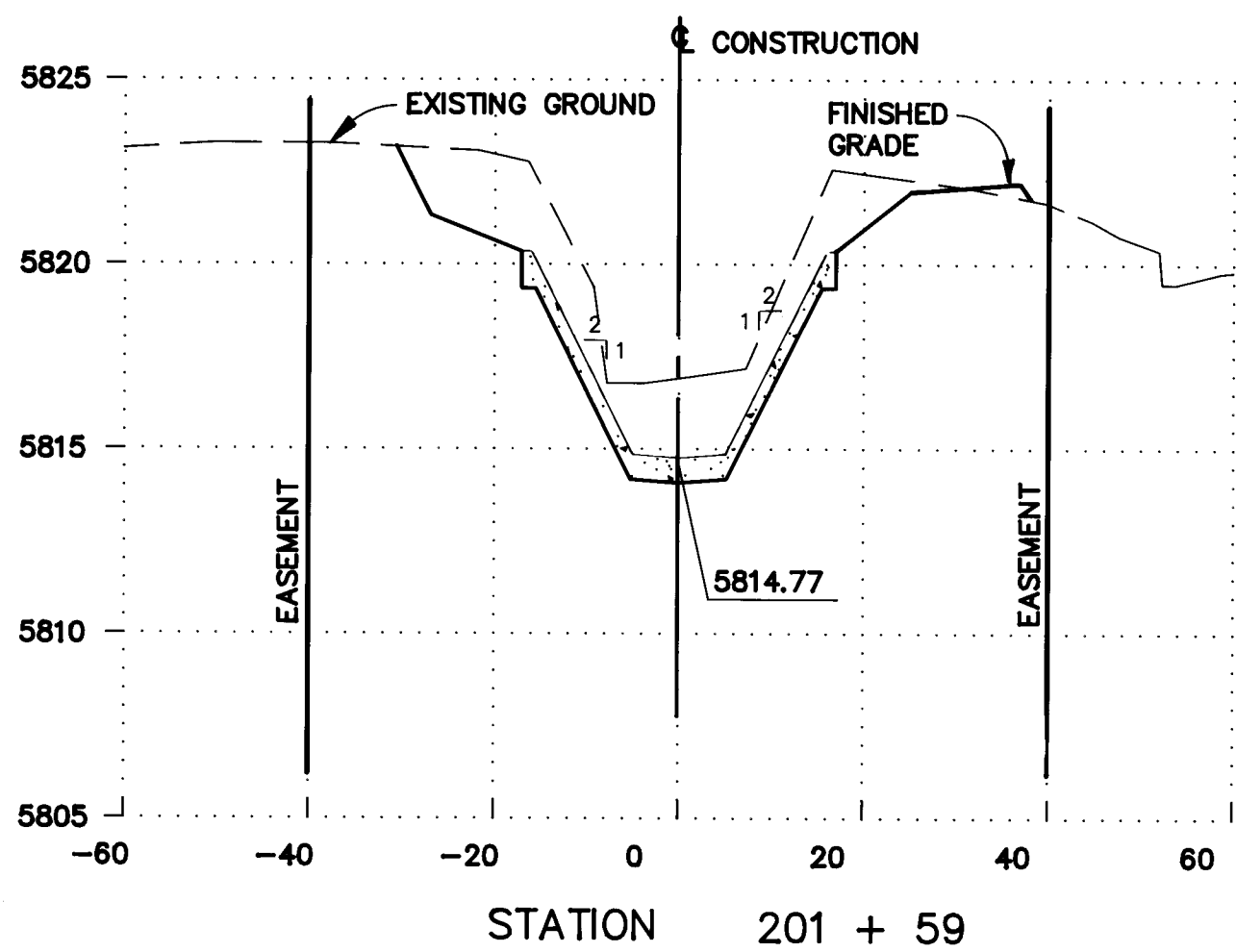
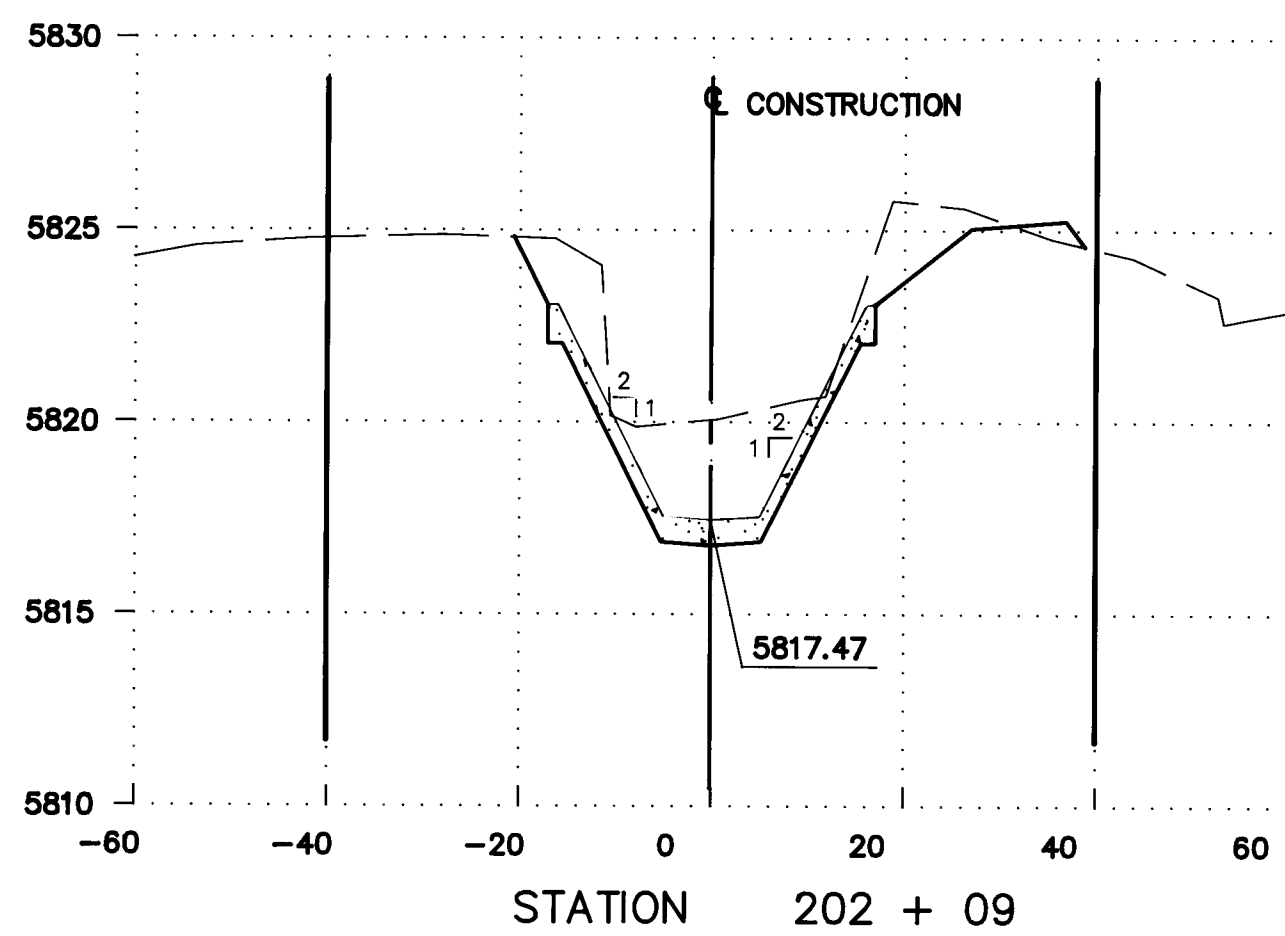
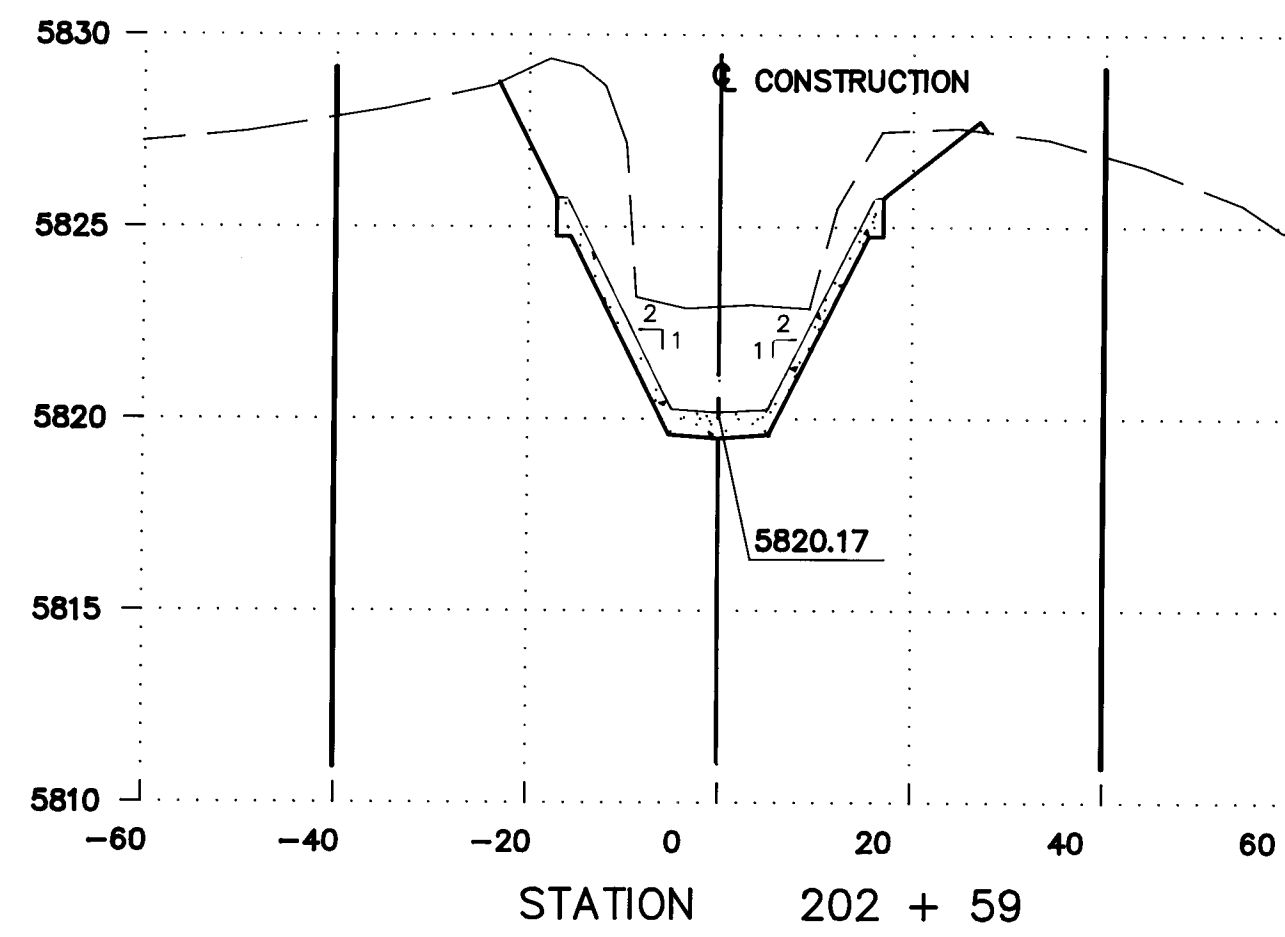


ENGINEER'S SEAL				SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
				NO.	BY	DATE	STANDARD A.C.S. BRASS CAP 'JT-3A'	CONTRACTOR	
							LOCATED APPROXIMATELY 30' SOUTH	WORK	
							OF HAINE'S AVE. N.E. & JUAN TABO	INSPECTED BY	DATE
							BLVD. N.E. EL.= 5613.964	ACCEPTANCE BY	DATE
								FIELD	
								MEASUREMENT BY	DATE
								DRAWINGS	
								CORRECTED BY	DATE
								MICRO-FILM	INFORMATION
								RECORDED BY	DATE
								NO	

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: CHANNEL CROSS SECTIONS					
EMBUDO ARROYO CHANNEL LINING					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger L. Shaw	9-14-89			
Trans. Dev	MA RWD	9-14-89			
Utility Dev	MA RWD	9-17-89			
Hydrology	CAH	9-14-89			
DRAWING NO.	3602	MAP NO. H-22	SHEET 19	OF 20	



ENGINEER'S SEAL			SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
			FIELD NOTES		STANDARD A.C.S. BRASS CAP 'JT-5A'		CONTRACTOR	
			NO.	BY	DATE	LOCATED APPROXIMATELY 38' SOUTH OF HAINES AVE. N.E. 1 JULY 1980	WORK	DATE
REMARKS DESIGN DESIGNED BY G.A.S. DRAWN BY M.L.M. CHECKED BY T.J.P.			NO.		DATE		INSPECTOR'S	
			NO.		DATE		FIELD	
REVISIONS NO. DATE 1 5/11/80 2 9-14-89 3 9-17-89 4 9-17-89			NO.		DATE		VERIFICATION BY	
			NO.		DATE		CORRECTED BY	
MICRO-FILM INFORMATION NO. DATE 1 5/11/80 2 9-14-89 3 9-17-89 4 9-17-89			NO.		DATE		RECORDED BY	
			NO.		DATE		NO.	

26 36022090

RECORD DRAWING
 THIS IS A RECORD DRAWING OF THE FACILITIES IDENTIFIED IN THE TITLE BLOCK ONLY. IT HAS BEEN PREPARED IN PART OR WHOLLY BY THE ENGINEER OR ARCHITECT AND DOES NOT REPRESENT THE DESIGN OR CONSTRUCTION OF THE FACILITIES. IT IS THE RESPONSIBILITY OF THE USER TO VERIFY THE ACCURACY OF THE INFORMATION SHOWN HEREON. NO PART OF THIS DRAWING IS TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER OR ARCHITECT. THE USER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THIS DRAWING AND FOR THE PROTECTION OF THE FACILITIES IDENTIFIED IN THE TITLE BLOCK. THE USER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE FACILITIES IDENTIFIED IN THE TITLE BLOCK. THE USER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE FACILITIES IDENTIFIED IN THE TITLE BLOCK.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: CHANNEL CROSS SECTIONS					
EMBUDO ARROYO CHANNE LINING					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	R. J. P.	9-14-89			
Trans. Dev.	M.A. R.W.K.	9-14-89			
Utility Dev.	M.A. R.W.K.	9-17-89			
Hydrology	C.A.M.	9-17-89			
DRAWING NO.	3602	MAP NO.	H-22	SHEET	20 OF 20