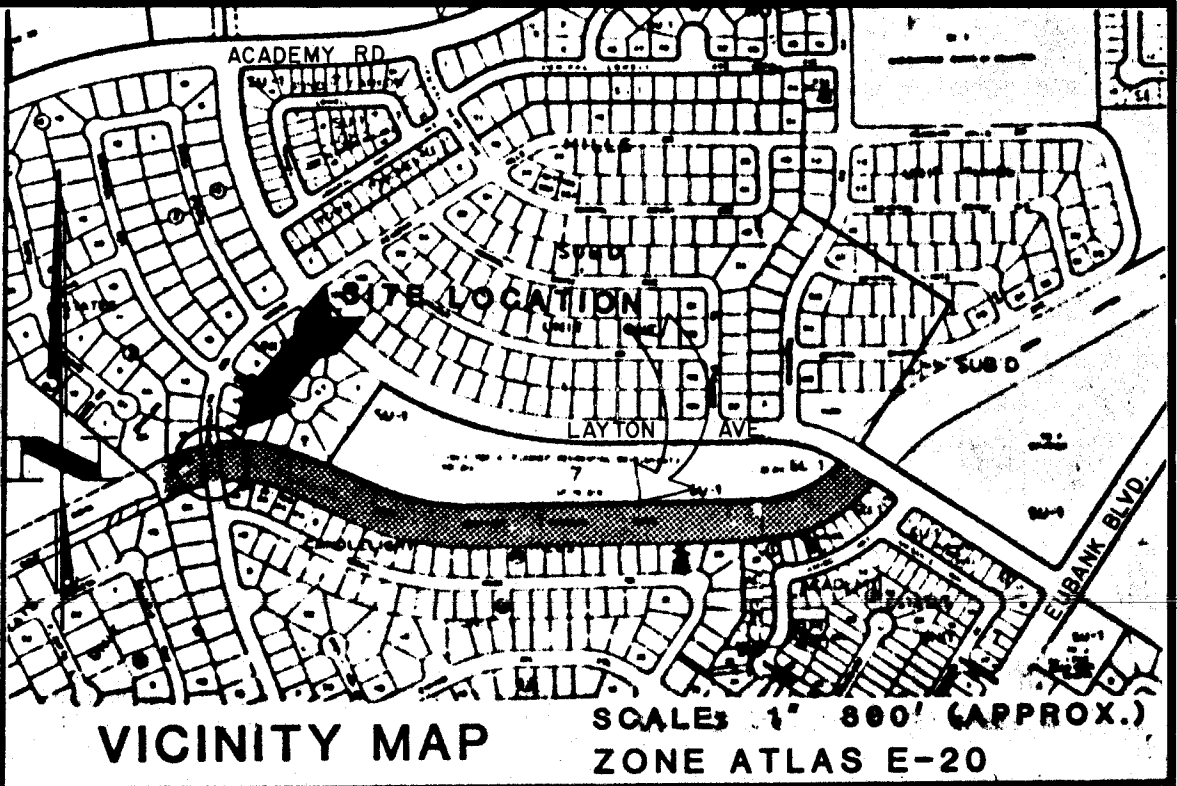


CONSTRUCTION PLANS
FOR

ESTRELLITA DEL NORTE CROSSING
OF THE BEAR ARROYO TRIBUTARY

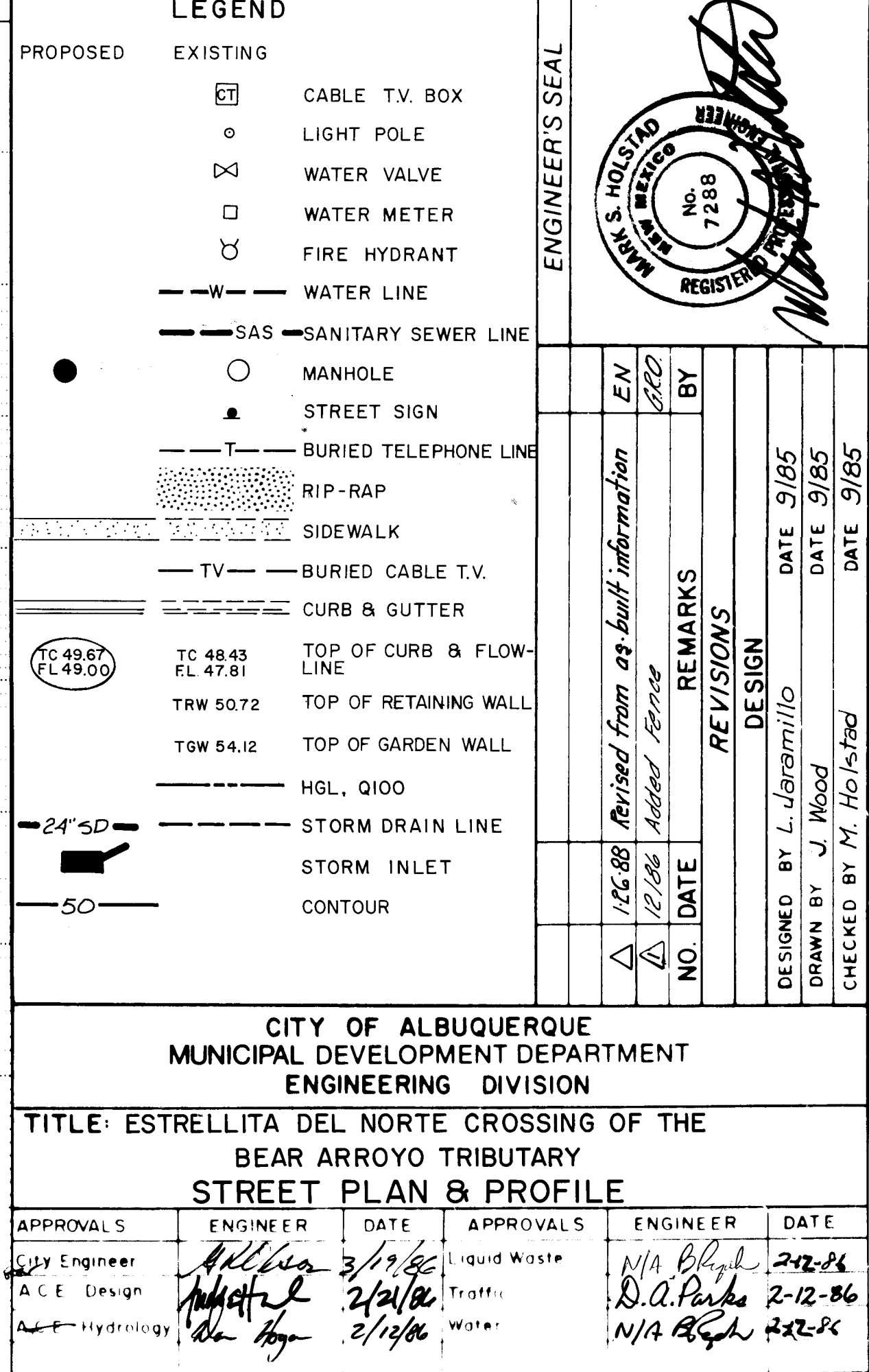
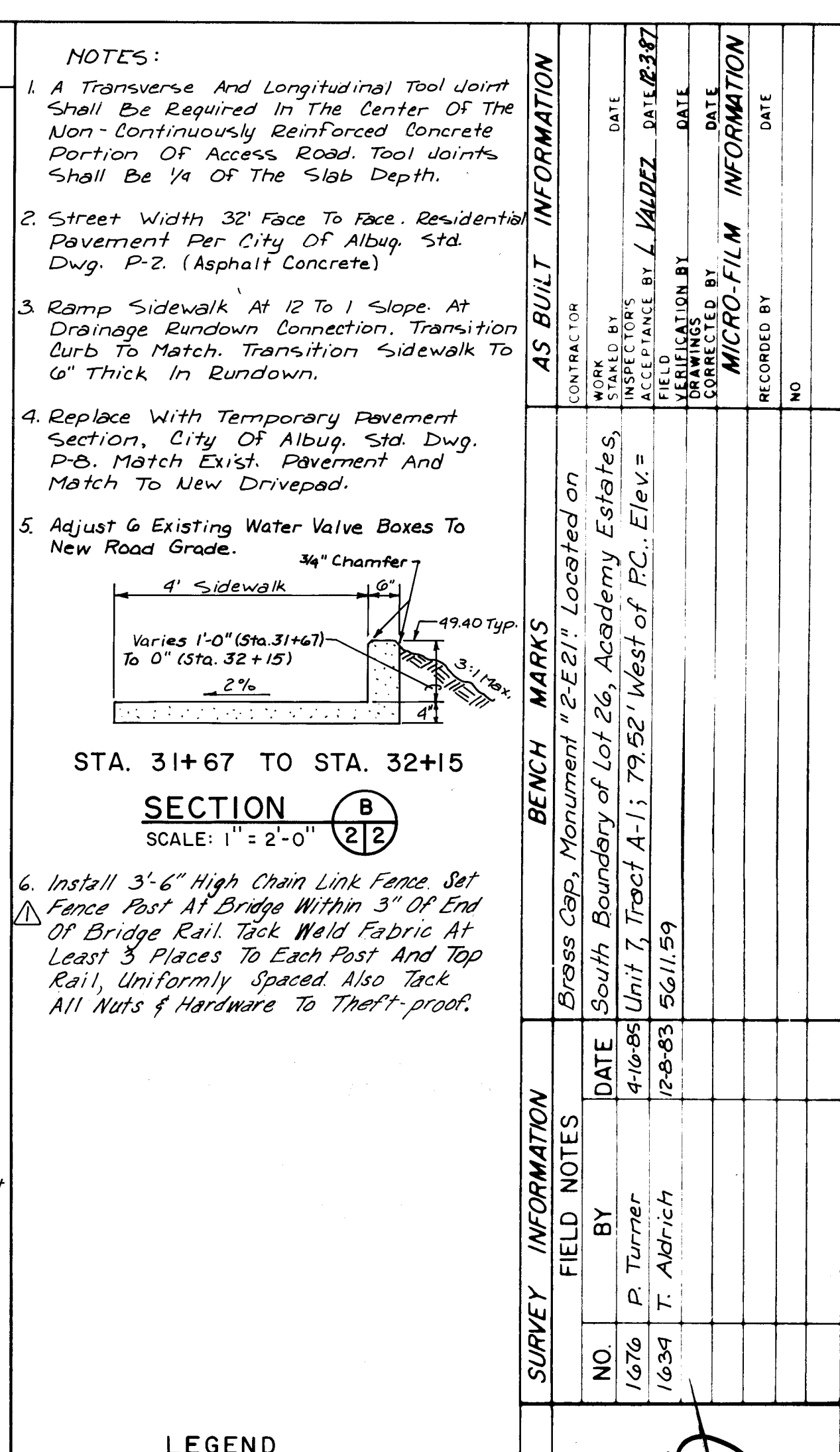
INDEX TO DRAWINGS

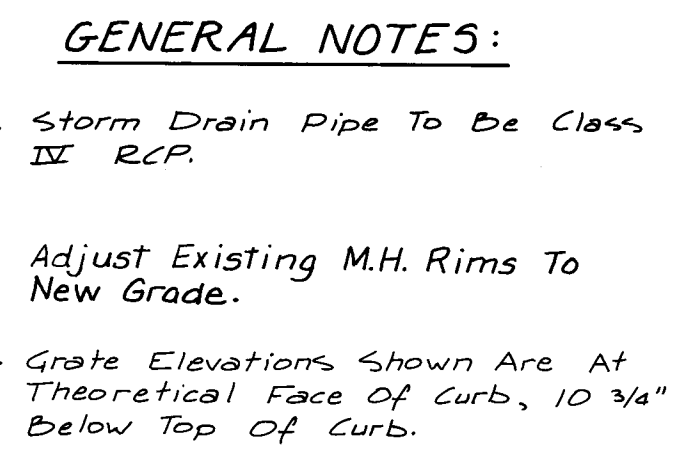
<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	TITLE SHEET
2	STREET PLAN & PROFILE
3	STORM DRAIN PLAN & PROFILE
4	ABUTMENT DETAILS
5	SUPERSTRUCTURE DETAILS



- GENERAL NOTES
- All work detailed on these plans to be performed under contract shall, except as otherwise stated or provided for hereon, be constructed in accordance with the Interim Standard Specifications Public Works Construction-1985.
 - Two (2) working days prior to any excavation, contractor must contact Line Locating Service, 765-1234, for location of existing utilities.
 - Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer or surveyor so that the conflict can be resolved with minimum amount of delay.
 - DRAINAGE HANDLING: The provisions of the City of Albuquerque Storm Drainage, flood, and Erosion Control Ordinance, article 7-9, R.O. 1974, apply to the construction of this project. Specific attention is called to section 7-9-12, paragraph B.2 of that ordinance which reads as follows: "2. During the months of July, August or September, any grading within or adjacent to a water course defined as a major facility shall provide for erosion control and safe passage of the 10 Year design storm run-off during construction."
 - Contractor shall use proper care and avoid overloading the existing 20" concrete cylinder water line.

APPROVED FOR AS BUILT DRAWINGS CHIEF CONSTRUCTION ENGINEER <i>Russell D. Hale</i> DATE 2-1-88		1 2 3 4 5 6 7 8 9 10 11 12 26 21 22 20 18 8	
△ 2 OF 5	<i>April 11/86</i>	12/86	
REV	SHEETS	DATE	USER DEPT. DATE USER DEPT. DATE
APPROVAL OF REVISIONS			
GREINER ENGINEERING 2601 WYOMING BLVD., NE ALBUQUERQUE, NM 87112 (505) 292-1936		APPROVED FOR CONSTRUCTION <i>Quinn K. [Signature]</i> 12/30/86	
DRAWING NO. 2122		MAP NO. E-20	
SHEET 1 OF 5			





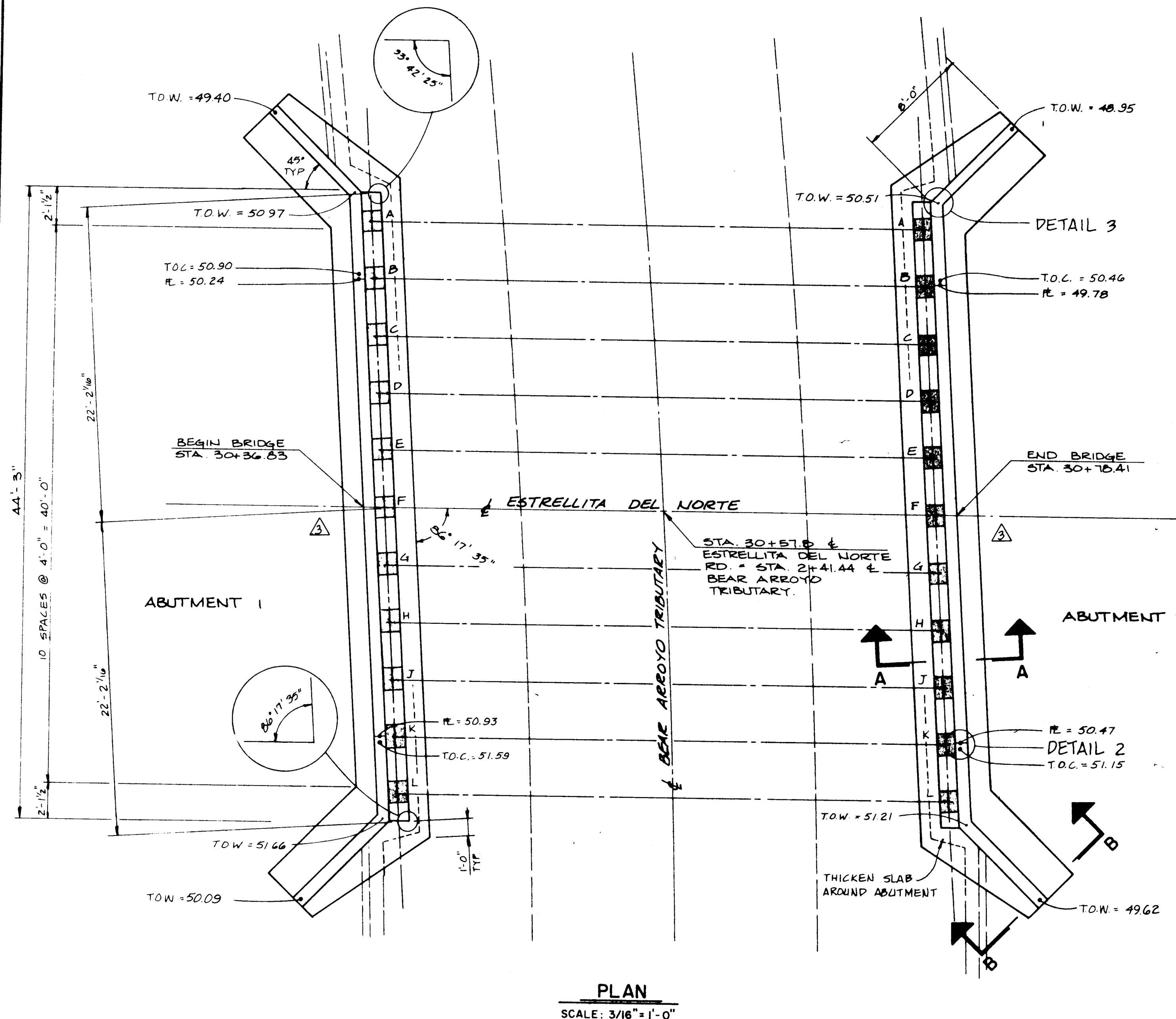
St N (+) MARKS
Brass Cap, Monument "2-E21." Located on
South Boundary of Lot 26, Academy Estates
Unit 1, Tract A-1; 79.52' West of P.C. Elev. =
4-10-95 5611.59.
12-8-83



12688 Revised from as-built information EN

508

421 Lea	3/12/86	B. Legat	2-12-86
422 H. J.	2/21/86	Dir. A. Panko	2-12-86
423 H. J.	2/13/86	B. Legat	2-12-86



PLAN
SCALE: 3/16" = 1'-0"

BEAM SEAT ELEVATIONS

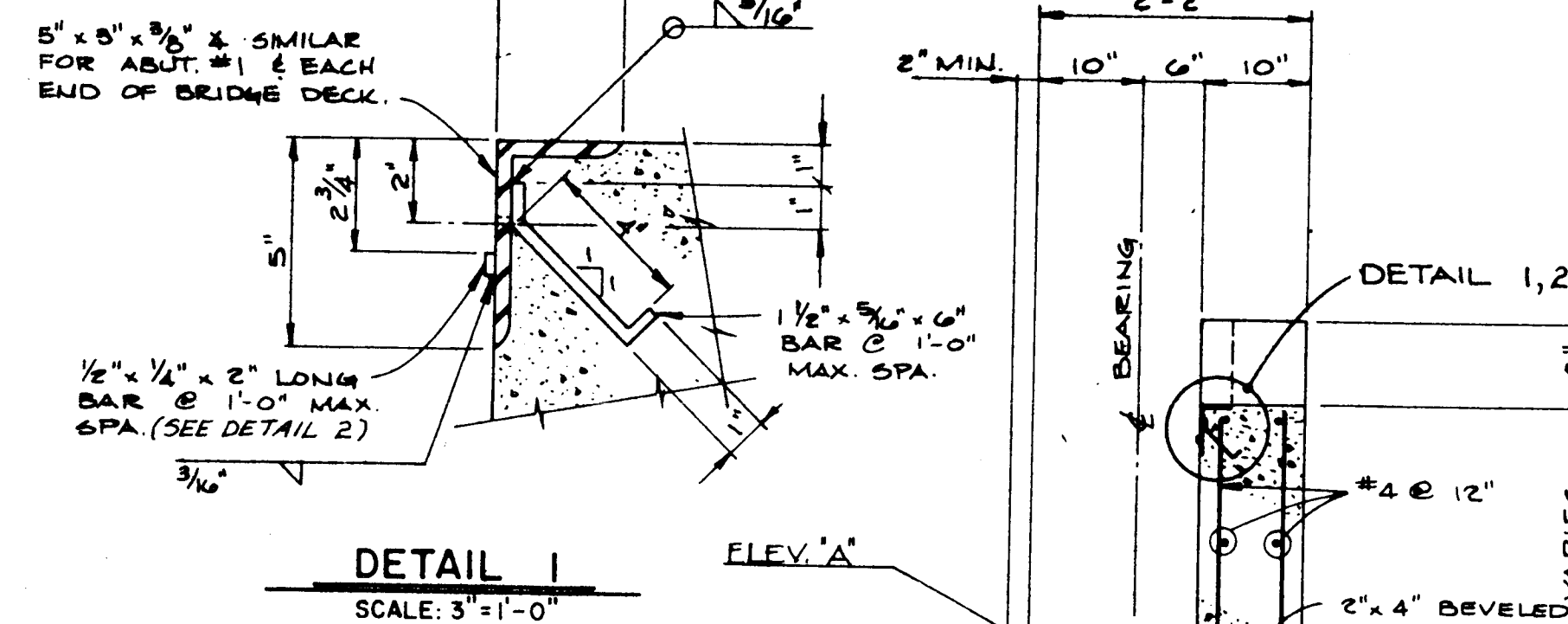
BEAM SEATS	A	B	C	D	E	F	G	H	J	K	L
ABUTMENT 1	47.79	47.83	47.91	47.99	48.08	48.18	48.33	48.41	48.48	48.58	48.68
ABUTMENT 2	47.36	47.45	47.52	47.63	47.68	47.79	47.87	47.97	48.05	48.14	48.22

STRUCTURAL NOTES:

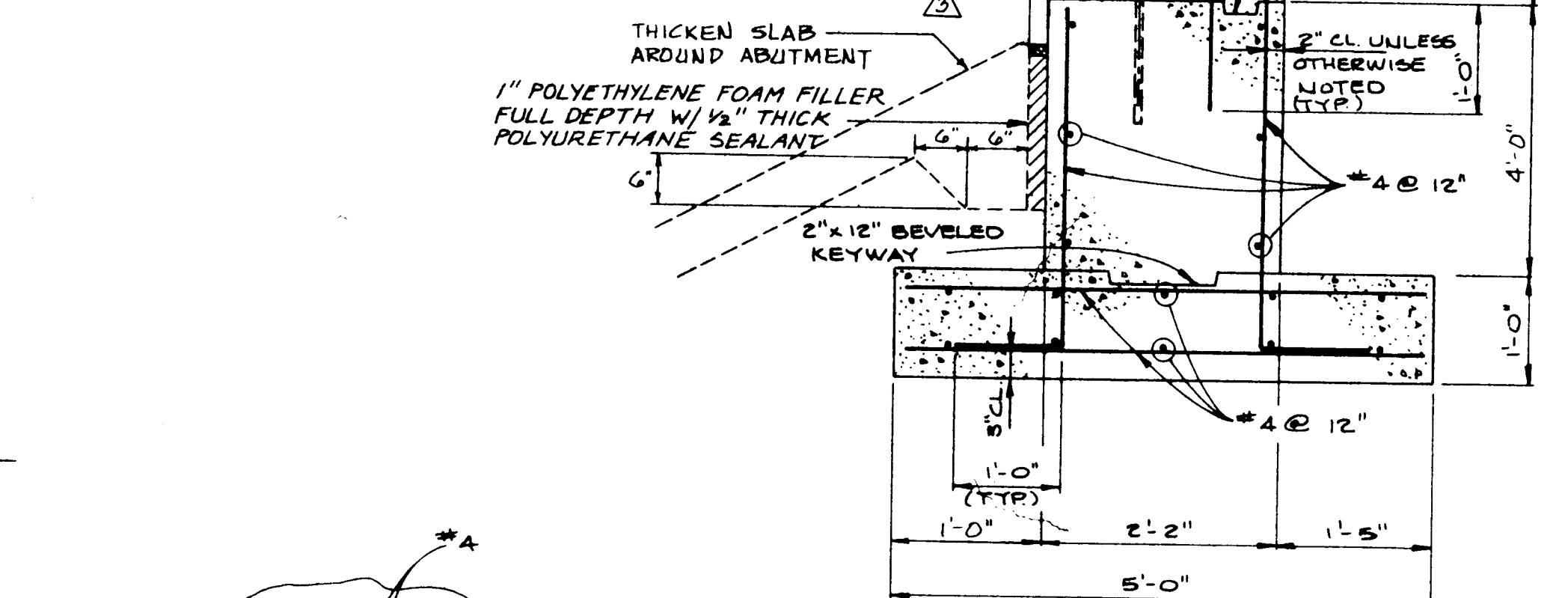
- All concrete shall have a 28 day strength of 3000 psi using 3/4" ϕ aggregate and Type I Portland Cement. All concrete shall have 5-7% entrained air content and 4" maximum slump.
- All reinforcement shall be Grade 60.
- All structural steel shall be A-36.
- There shall be a uniform amount of fill under both abutments (4'-0" minimum). This fill shall meet the following gradation and other requirements:
100% passing the 6" sieve
45 - 100% passing the #4 sieve
10 - 40% passing the #200 sieve
P.I. must be 10 or less. Most on-site fill will meet this specification. Some selective blending may be needed.
- Fill shall be compacted to 95% of the maximum laboratory density as determined by ASTM D1557.
- All exposed edges of concrete shall have 3/4" chamfers.

DESIGN CRITERIA:

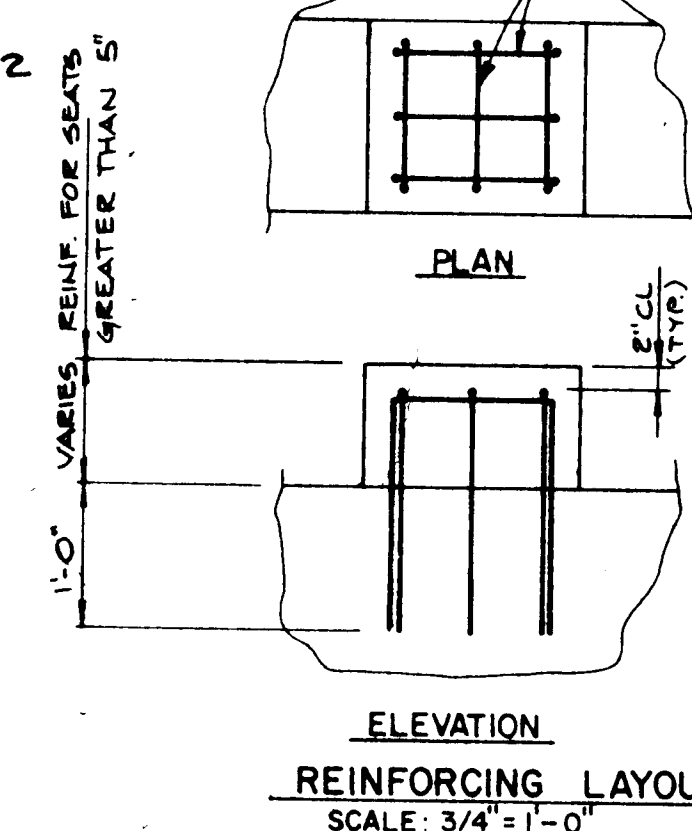
- Allowable soil bearing equals 3000 psf.
- Lateral active earth pressure equals 40 pcf.
- Lateral passive earth pressure equals 350 pcf.
- HS-20 live loading with live load surcharge added to the walls.



DETAIL 1
SCALE: 3" = 1'-0"

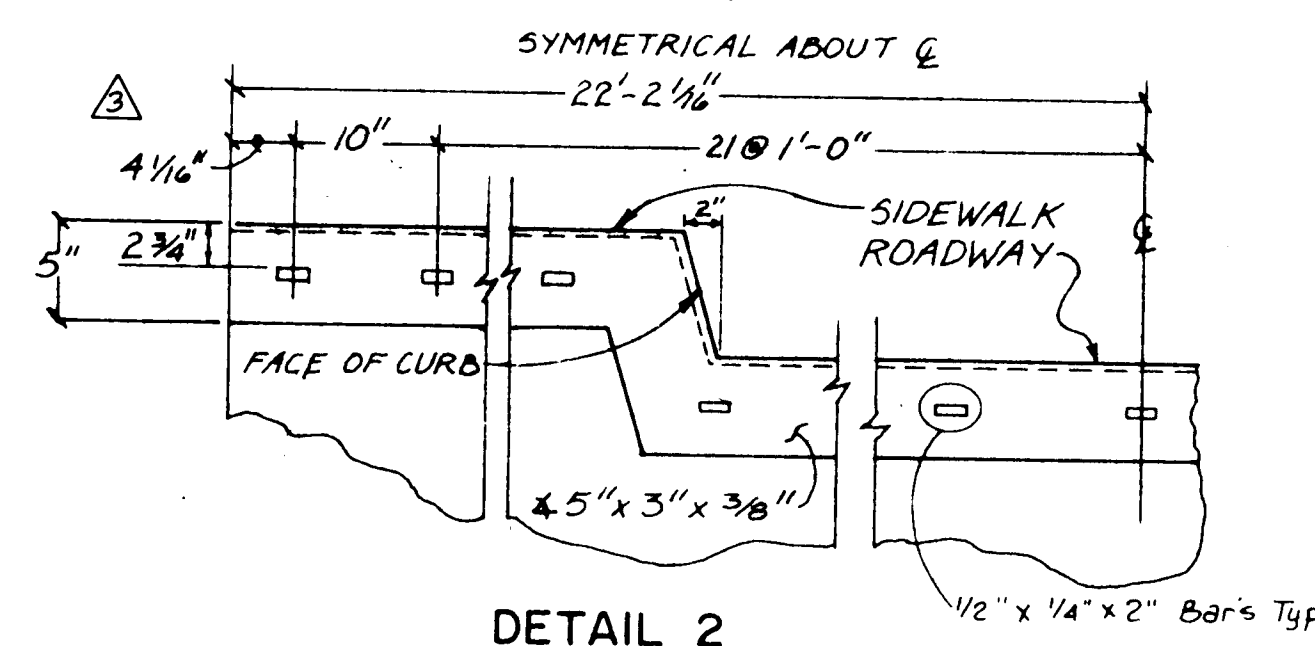


SECTION A-A
NTS.

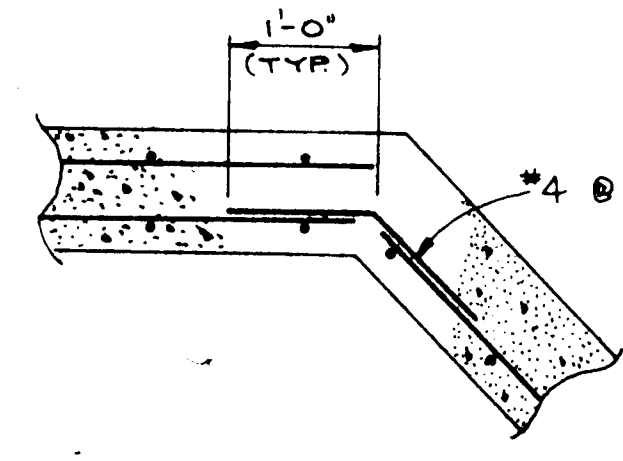


ELEVATION
REINFORCING LAYOUT
SCALE: 3/4" = 1'-0"

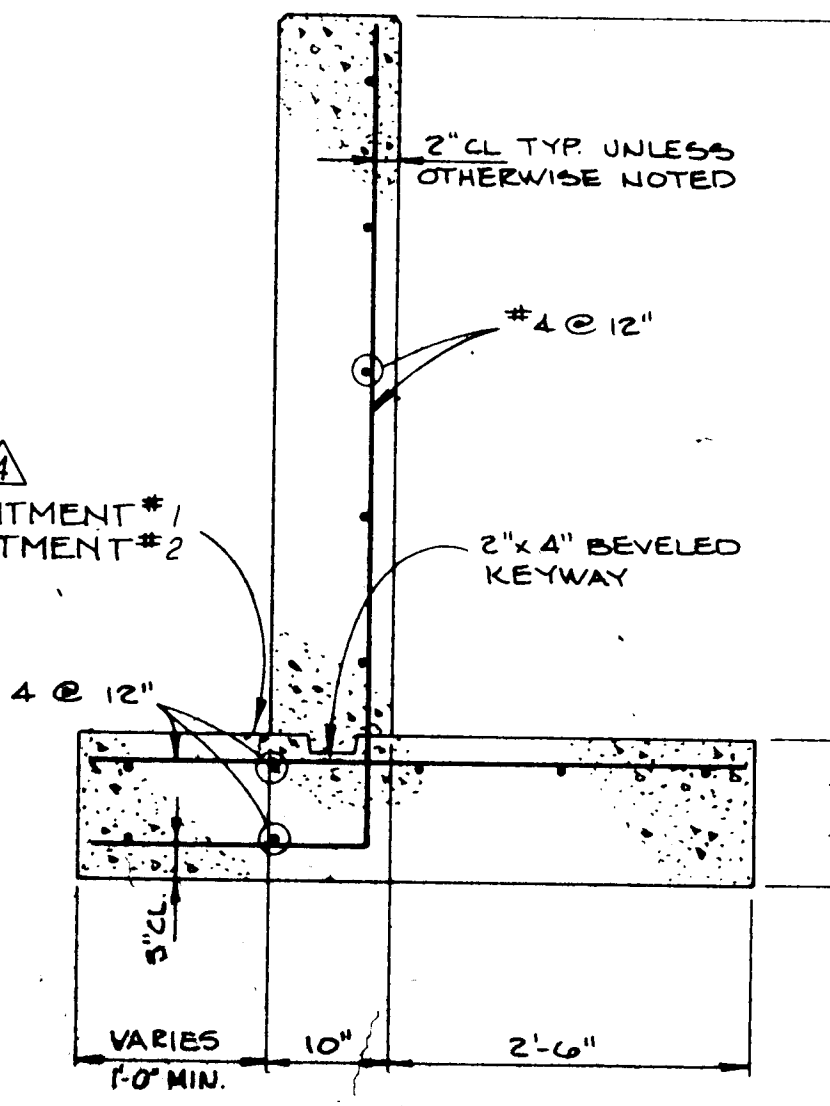
BEAM SEAT DETAILS



DETAIL 2
SCALE: 1" = 1'-0"



DETAIL 3
SCALE: 3/4" = 1'-0"



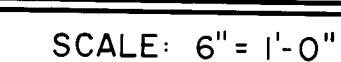
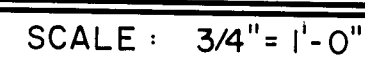
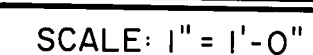
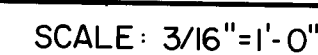
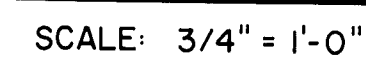
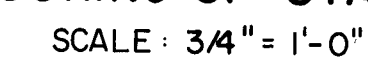
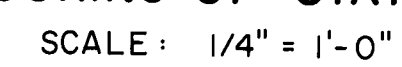
SECTION B-B
SCALE: 3/4" = 1'-0"

DETAILS OF
EXISTING ABUTMENT
BUILT UNDER
SEPARATE PROJECT
INCLUDED FOR
REFERENCE ONLY
PREVIOUSLY SHEET 15
OF PROJ. #1938

26 21 22 04 88

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: ESTRELLITA DEL NORTE CROSSING OF THE BEAR ARROYO TRIBUTARY ABUTMENT DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	4/5/88	Liquid Waste	<i>[Signature]</i>	4/5/88
A.C.E. Design	<i>[Signature]</i>	4/5/88	Traffic	<i>[Signature]</i>	4/5/88
A.C.E. - Hydrology	<i>[Signature]</i>	4/5/88	Water	<i>[Signature]</i>	4/5/88
DRAWING NO.	2122	MAP NO.	E-20	SHEET	4 OF 5

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	INSPECTOR'S	DATE	NO.	BY	NO.	BY
WORK	DATE	ACCEPTANCE	DATE				
VERIFICATION	DATE	VERIFICATION	DATE				
RECORD	DATE	RECORD	DATE				
NO.		NO.					



1. Final deck elevations shall be consistent with the elevations shown on the plan and profile drawing, Sheet #2. Final deck elevations shall be determined along the beams, then the slab forming can be raised or lowered, by varying the haunch dimension to match the proposed elevation. The final elevations must be increased by the amount of the dead load deflection at the point in question.

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: ESTRELLITA DEL NORTE CROSSING OF THE BEAR ARROYO TRIBUTARY SUPERSTRUCTURE DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	3/29/86	Liquid Waste	<i>N/A Bligh</i>	2-17-86
A.C.E. Design	<i>[Signature]</i>	4/21/86	Traffic	<i>D.A. Pappo</i>	2-12-86
A.C.E.-Hydrology	<i>[Signature]</i>	3/25/86	Water	<i>N/A Bligh</i>	2-17-86
DRAWING NO.		2122	MAP NO.		E-20
			SHEET		5 OF 5