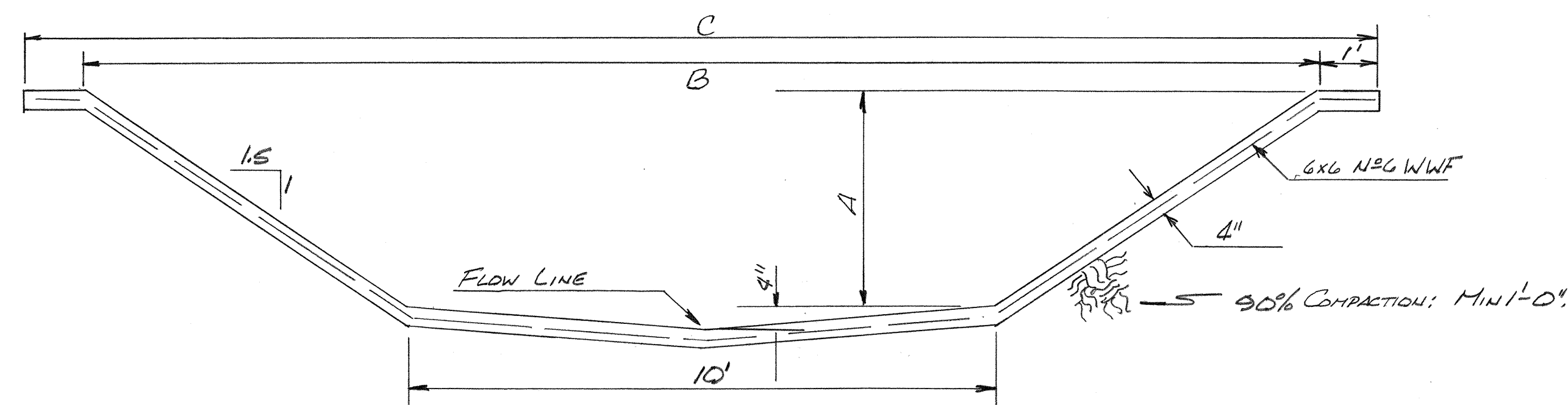


APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER - FIELD
[Signature]
DATE 10-7-83

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE:					
ELENA GALLEGOS GRANT CHANNEL					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	<i>10-1-18</i>	Liquid Waste	<i>[Signature]</i>	
A.C.E. Design	<i>[Signature]</i>	<i>28 Sep 16</i>	Traffic		
A.C.E. Hydrology	<i>[Signature]</i>	<i>28 Sep 16</i>	Water		
DRAWING NO.			SHEET 1 OF 14		
SS-15-76					

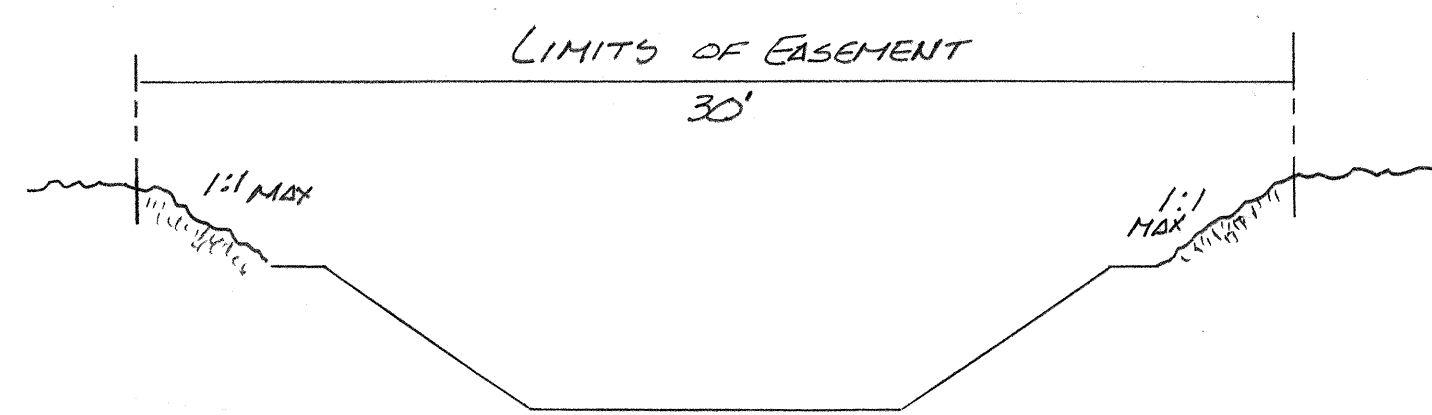
- REV 3 -



TYPICAL CHANNEL SECTION

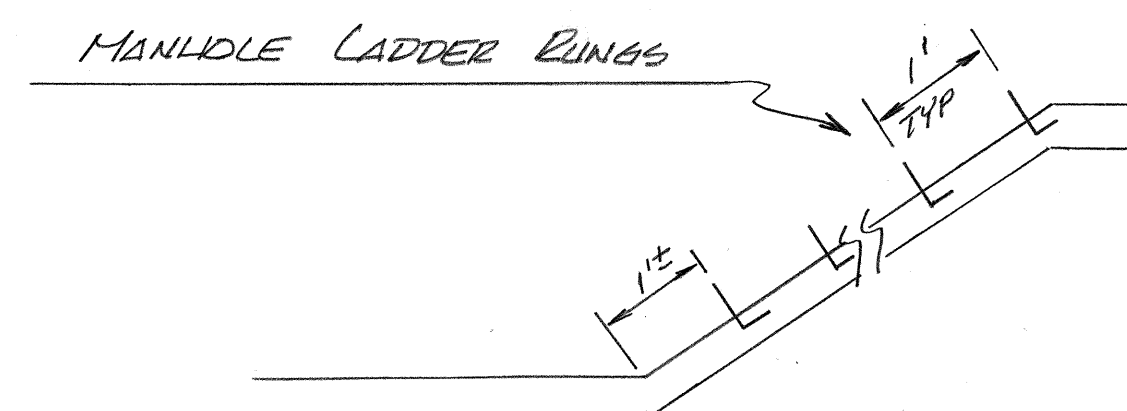
SCALE 1" = 2'

STA 37+05 to STA 41+00	A = 4.0'	B = 24'	C = 26'
STA 41+20 to STA 46+00	A = 4.5'	B = 23.5'	C = 25.5'
STA 50+70 to STA 70+00	A = 3.5'	B = 22.6'	C = 24.5'

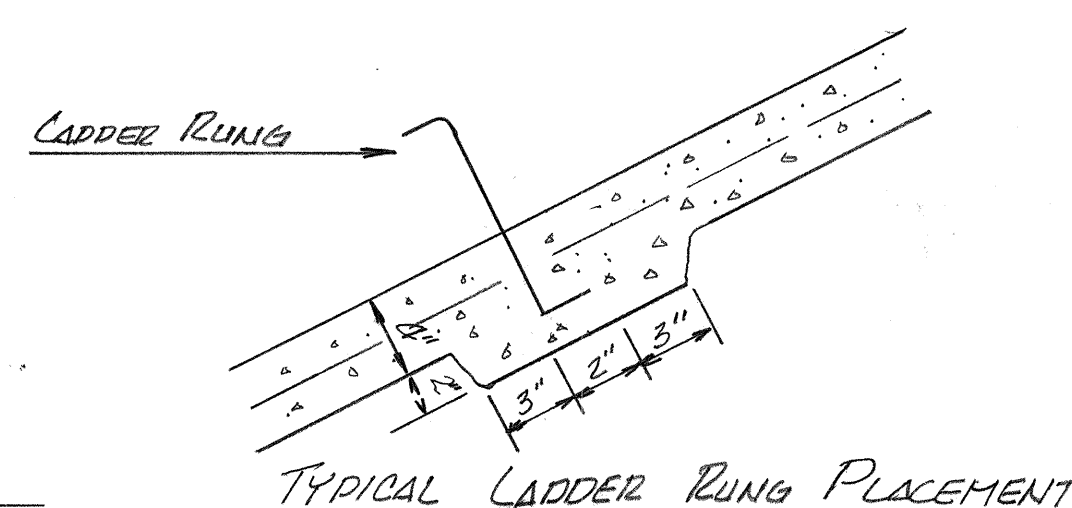


TYPICAL CROSS SECTION

DO NOT EXCAVATE OUTSIDE OF LIMITS OF EASEMENT WITHOUT APPROVAL OF CITY ENGINEER. SLOPE EARTH FROM EDGE OF LINING TO LIMITS OF EASEMENT NO STEEPER THAN 1:1, UNLESS APPROVED BY THE CITY ENGINEER.



LADDER RING DETAIL TO BE FOUND ON PAGE S-11 OF THE STANDARD DETAILS, CITY OF ALBUQUERQUE 1975-76 EDITION.

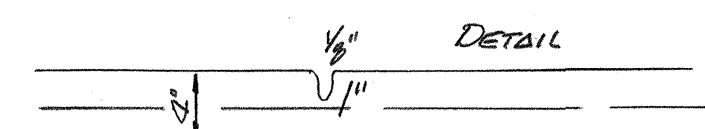


LADDER RING LOCATION

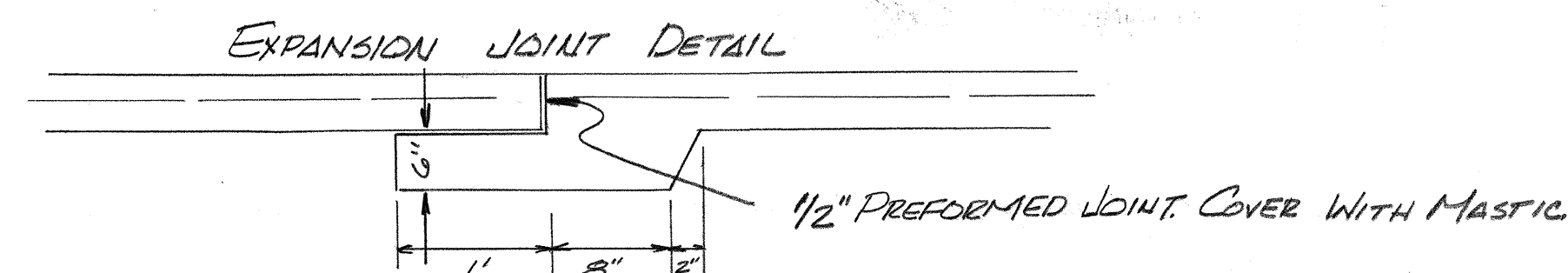
STATION	SIDE OF CHANNEL	NORTH	SOUTH
37+10		X	X
40+00		X	
43+00			X
46+00		X	
50+10		X	X
63+00		X	
66+00			X
69+20		X	X
73+00		X	
76+00			X
79+00		X	
82+00			X

GENERAL NOTES:

1. NEW ALIGNMENT TO BE ESTABLISHED AND CHANNEL TO BE CONSTRUCTED AS PER PLANS.
2. EARTHWORK ; INCLUDING BACKFILL OF EXISTING ARROYO TO BE ACCOMPLISHED AS PER SECTION 211, Pgs 309-312 NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1975 EDITION.
3. EXPANSION JOINTS TO BE 1/2" PREFORMED. COVER WITH MASTIC MATERIAL, AND LOCATED 100' O.C.
4. TRANSVERSE WEAKENED PLANE JOINTS TO BE LOCATED 20' O.C.



5. ALL EXCESS EARTH MATERIAL OBTAINED FROM JOB SITE WILL BE STORED ON THE 30' DRAINAGE EASEMENT EAST OF WELL SITE UNTIL FURTHER CONSTRUCTION REQUIRES ITS USE AS DIRECTED BY THE CITY ENGINEER.



ABBREVIATIONS

CD = CHANNEL DEPTH, CONCRETE LINING ONLY
W.D. = WATER DEPTH
V = VELOCITY OF WATER
S = SLOPE FT/FT
T/P = TOP OF PIPE
P/P = POWER POLE
T = TELEPHONE
G = GAS, NATURAL
W = WATER
C.C.L. = CONCRETE CYLINDER
PVC = PLASTIC PIPE
C.I. = CAST IRON
R.C.P. = REINFORCED CONCRETE PIPE
H.P. = HIGH PRESSURE
R/W = RIGHT OF WAY, E = EAST, W = WEST
CL = CENTER LINE
FL = FLOW LINE
INV = INVERT
E/E = PAVEMENT EDGE TO PAVEMENT EDGE
LC = LONG CHORD

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
22	0	1	5																											

APPROVED FOR CONSTRUCTION
CITY ENGINEER
DATE 07-17-77

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: ELENA GALLEGOS GRANT LINE CHANNEL					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	10/17/76	Liquid Waste		
A.C.E. Design	<i>[Signature]</i>	08/27/76	Traffic		
A.C.E. Hydrology	<i>[Signature]</i>	08/28/76	Water		
DRAWING NO. SS-15-76			SHEET 2 OF 14		

REV 3

PLAN	SURVEYED	DATE
	NOTE BOOK	BY
	ALIGNMENT CHECKED	
	RT. OF WAY CHECKED	

PROFILE	SURVEYED	DATE
	NOTE BOOK	BY
	GRADES CHECKED	
	STRUCTURE NOTING CHECKED	

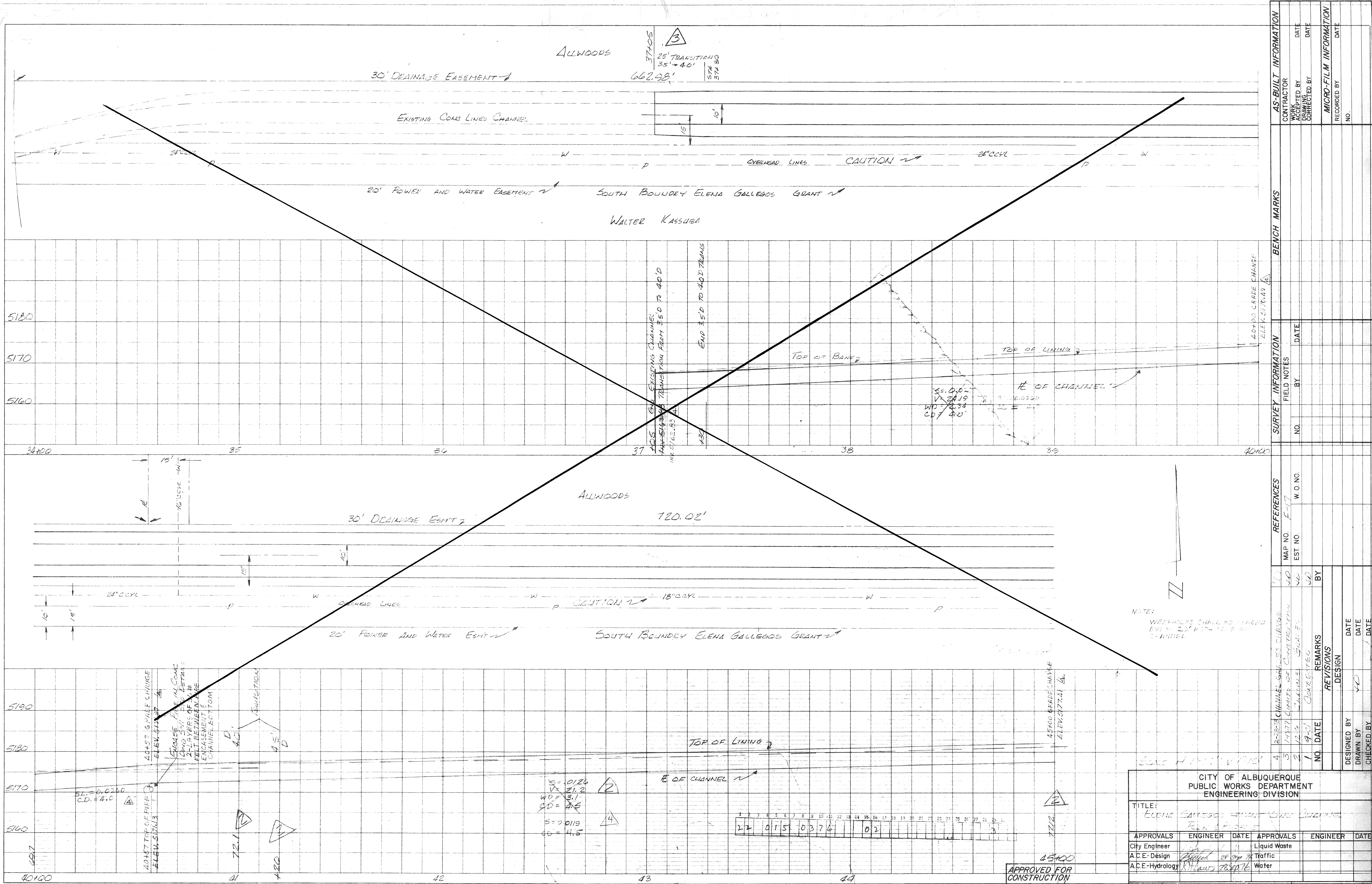


PLATE 2 PLAN/PROFILE D, P, R, S, E, STANDARD
100% MAG. XEROGRAPH YELLOW—MADE AND PRINTED IN U. S. A.
EUGENE DIETZEN CO.

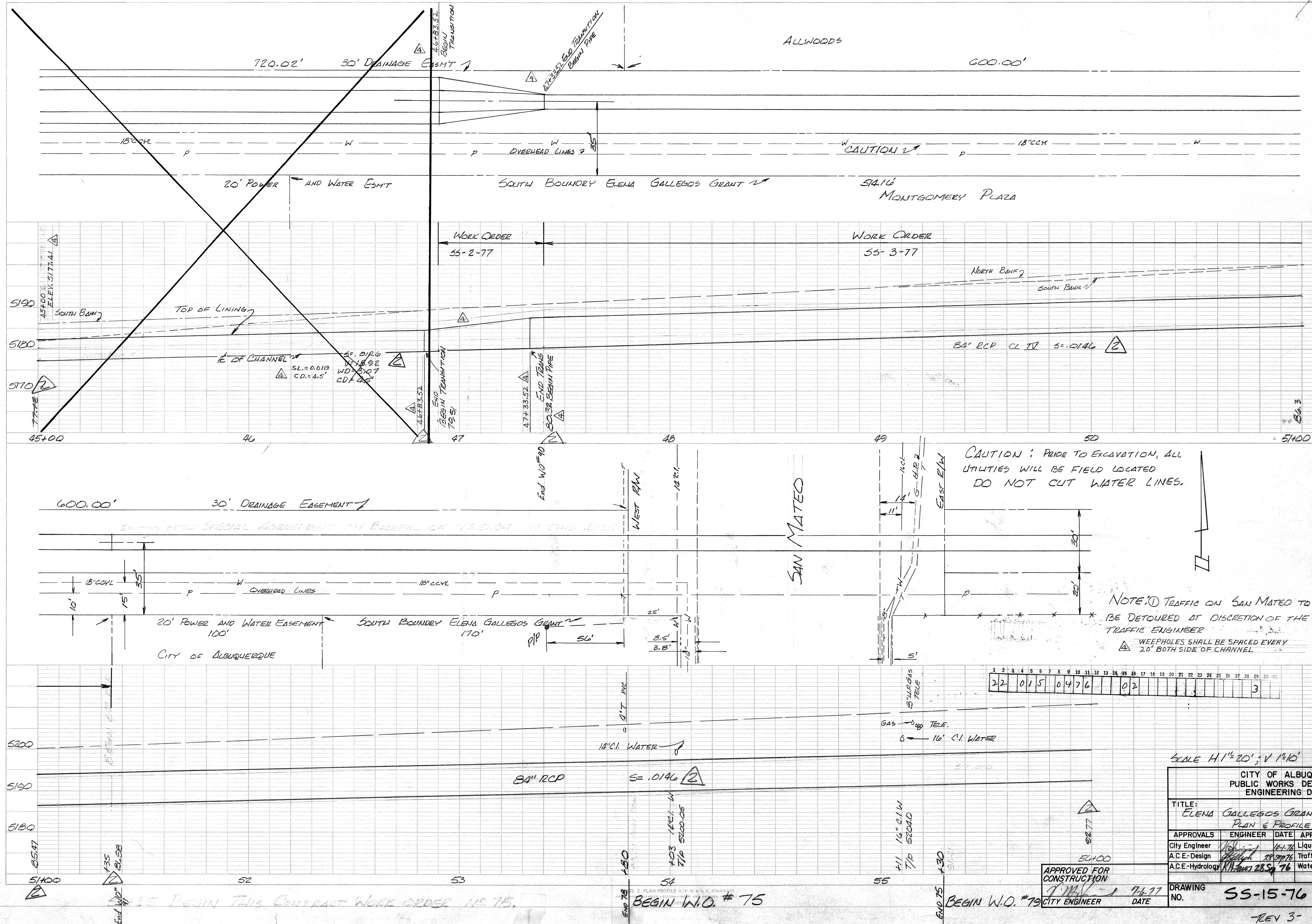
APPROVED FOR
CONSTRUCTION
CITY ENGINEER
DATE 7/17/77

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: ELENA GALLEGOS GRANT LINE CHANGES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DRAWING NO. 55-15-76			SHEET 3 OF 14		

-REV 3-

PLAN	DATE	BY
SUPPOTED PLOTTER		
NOTE BOOK NO.		

PROFILE	DATE	BY
SUPPOTED PLOTTER		
NOTE BOOK NO.		

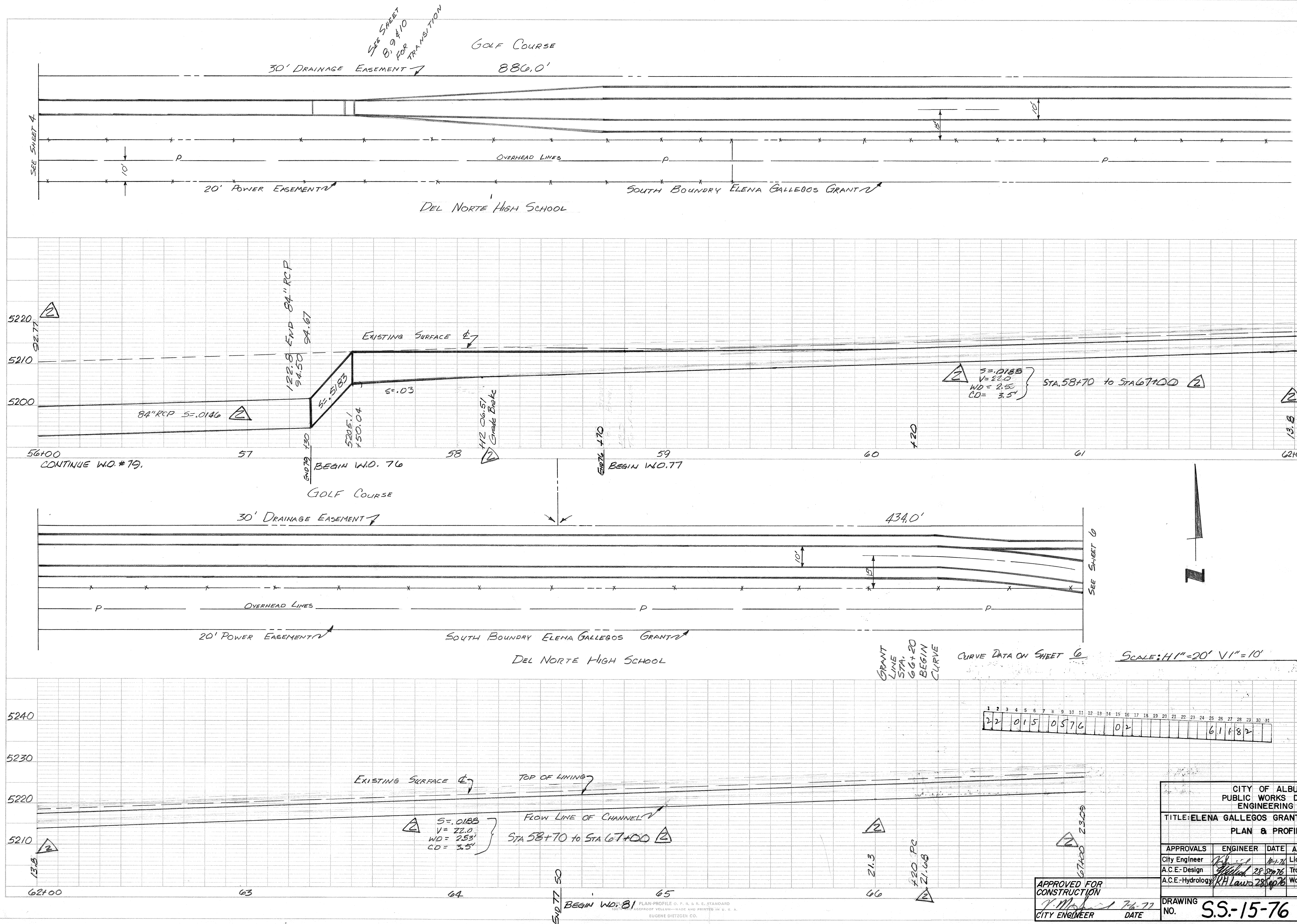


AS-BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			REFERENCES			REVISIONS			DESIGN			MICRO-FILM INFORMATION		
CONTRACTOR	WORK	DATE	CONTRACTOR	WORK	DATE	FIELD NOTES	NO.	BY	MAP NO.	EST. NO.	W.O. NO.	NO.	DATE	BY	NO.	DATE	BY	RECORDED BY	DATE	NO.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: ELENA GALLEGOS GRANT LINE CHANNEL PLAN & PROFILE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		10/1/76	Liquid Waste		
A.C.E. Design		28/3/76	Traffic		
A.C.E. Hydrology		28/3/76	Water		
DRAWING NO. SS-15-76			SHEET 4 OF 14		

-REV 3-

PROFILE		BY	DATE
NOTE BOOK			
SURVEYED			
PLOTTED			
GRADES CHECKED			
B. M. NOTED			
STRUCTURE NOTATIONS CHECKED			

[illegible]

PLAN	SURVEYED	DATE
	NOTE BOOK	BY
	ALIGNED CHECKED	
	RT. OF WAY CHECKED	

PROFILE	SURVEYED	DATE
	NOTE BOOK	BY
	GRADES CHECKED	
	STRUCTURE NOTAS CHECKED	

REVERSE CURVE DATA - USE FOR BOTH CURVES
 $R = 402.53'$
 $ARC = 152.76'$
 $CHORD = 152.07'$
 $T = 77.08'$
 $\Delta = 18^\circ 55' 24''$

NOTE: STATIONING IS ALONG GRANT LINE
 HORIZONTAL DISTANCE OF CURVE IS 300'

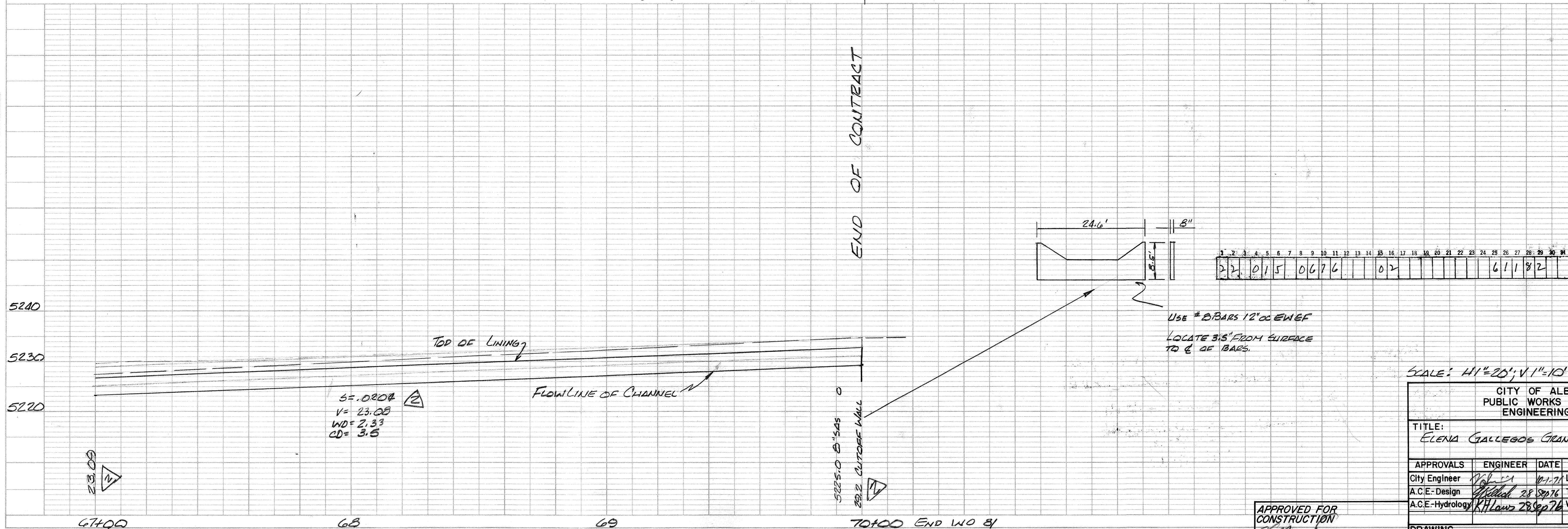
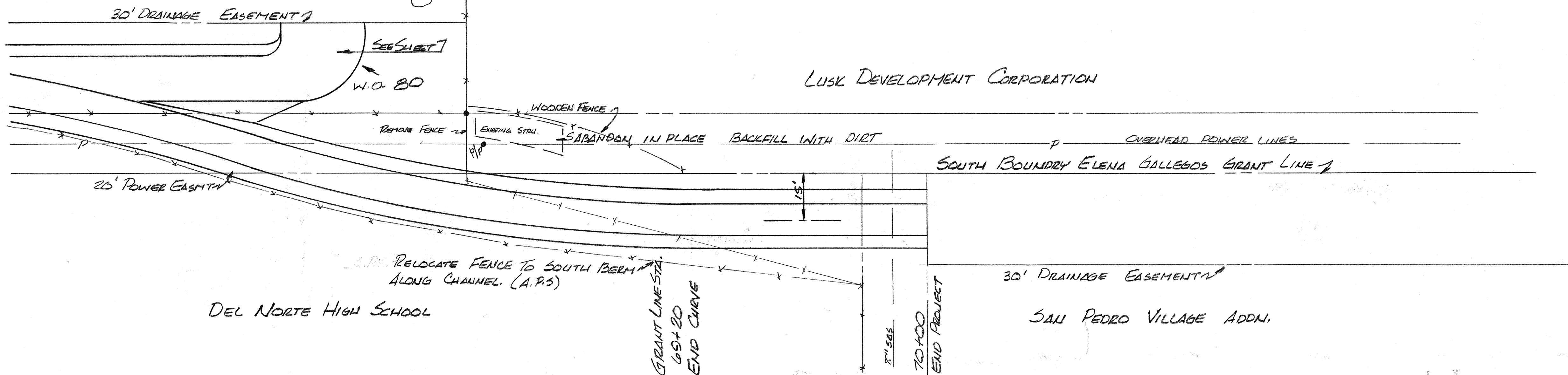
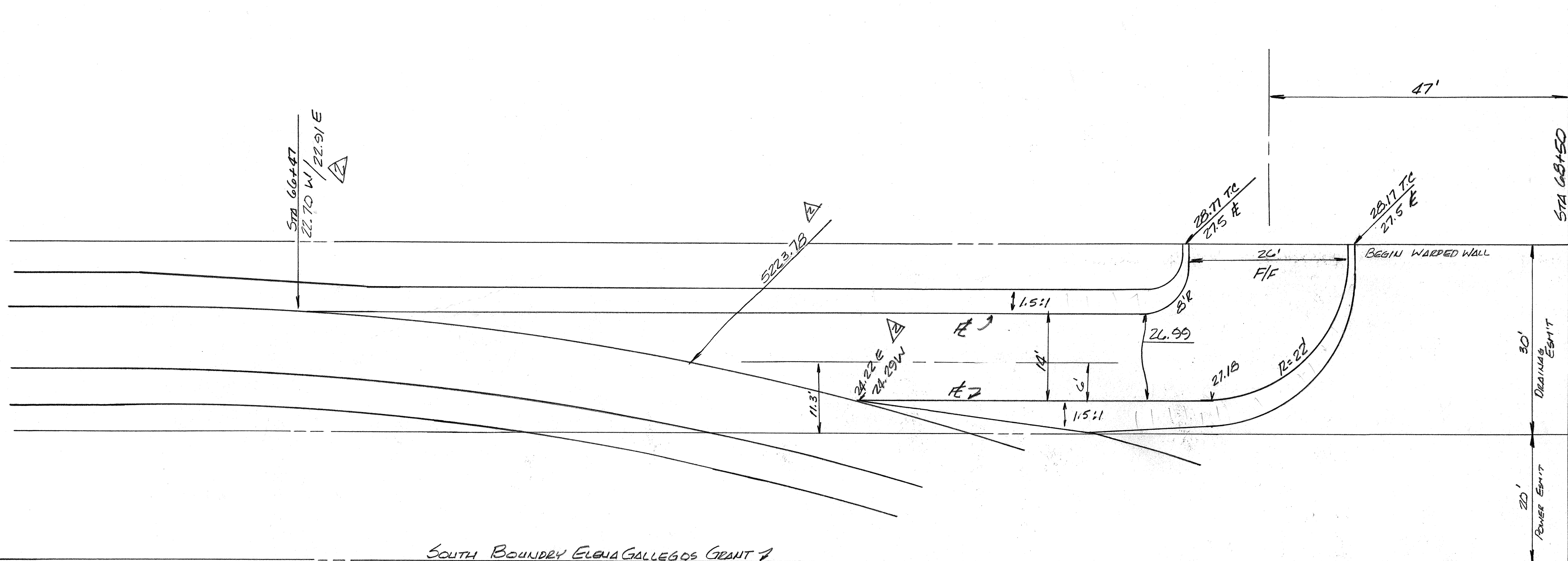


PLATE 1 PLAN-PROFILE O. P. S. & R. E. STANDARD
 100% RAC AGEPROOF VELLUM—MADE AND PRINTED IN U. S. A.
 EUGENE DIETZGEN CO.

APPROVED FOR
 CONSTRUCTION
 CITY ENGINEER
 DATE 1-24-77

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: ELENA GALLEGOS GRANT LINE CHANNEL					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[Signature]	10-1-77	Liquid Waste		
A.C.E.-Design	[Signature]	28 Sep 76	Traffic		
A.C.E.-Hydrology	[Signature]	28 Sep 76	Water		
DRAWING NO. 55-15-76			SHEET 6 OF 14		

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES		REVISIONS	
CONTRACTOR	DATE			FIELD NOTES	NO.	BY	DATE	MAP NO.	EST. NO.
ACCEPTED BY	DATE							W.O. NO.	
DRAWING	DATE								
CORRECTED BY	DATE								
MICRO-FILM INFORMATION									
RECORDED BY	DATE								
NO.									



SOUTH BOUNDARY ELENA GALLEGOS GRANT 7

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
22	0	1	5	0	7	7	6																							

SCALE 1"=10'

APPROVED FOR
CONSTRUCTION
CITY ENGINEER
DATE 7-6-77

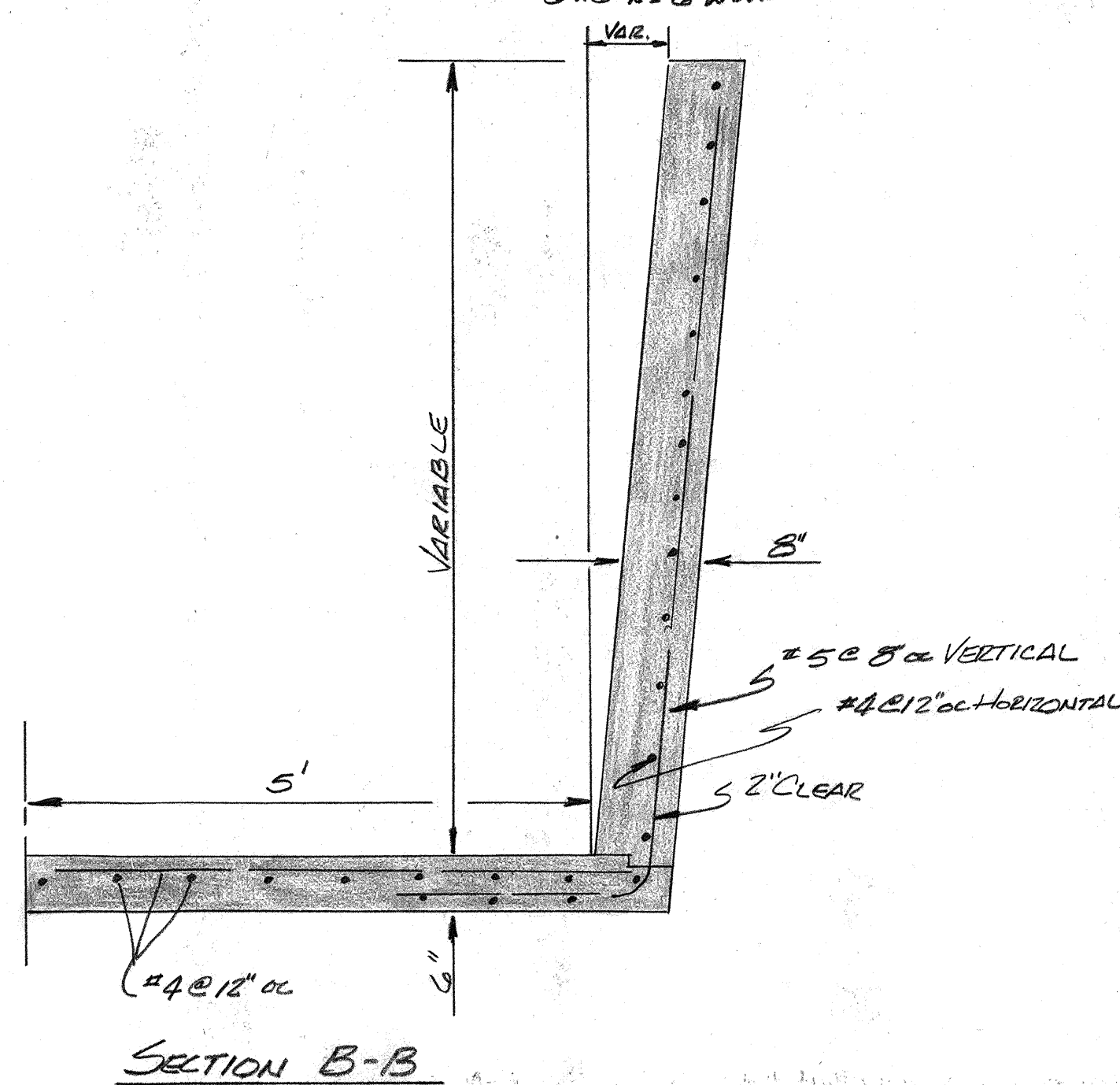
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: ELENA GALLEGOS GRANT LINE CHANNEL					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	7-1-77	Liquid Waste		
A.C.E.-Design	<i>[Signature]</i>	28-8-76	Traffic		
A.C.E.-Hydrology	<i>[Signature]</i>	28-8-76	Water		
DRAWING NO. SS-15-76			SHEET 7 OF 14		

REFERENCES			SURVEY INFORMATION			BENCH MARKS			AS-BUILT INFORMATION		
MAP NO.	EST. NO.	W. O. NO.	FIELD NOTES	NO.	BY	DATE	CONTRACTOR	ACCEPTED BY	DATE	RECORDED BY	DATE
3	1337		LD								
2	126		LD								
1	9-21		LD								
REVISIONS			REMARKS			MICRO-FILM INFORMATION			RECORDED BY		
DESIGN											
DESIGNED BY	DATE										
DRAWN BY	DATE										
CHECKED BY	DATE										

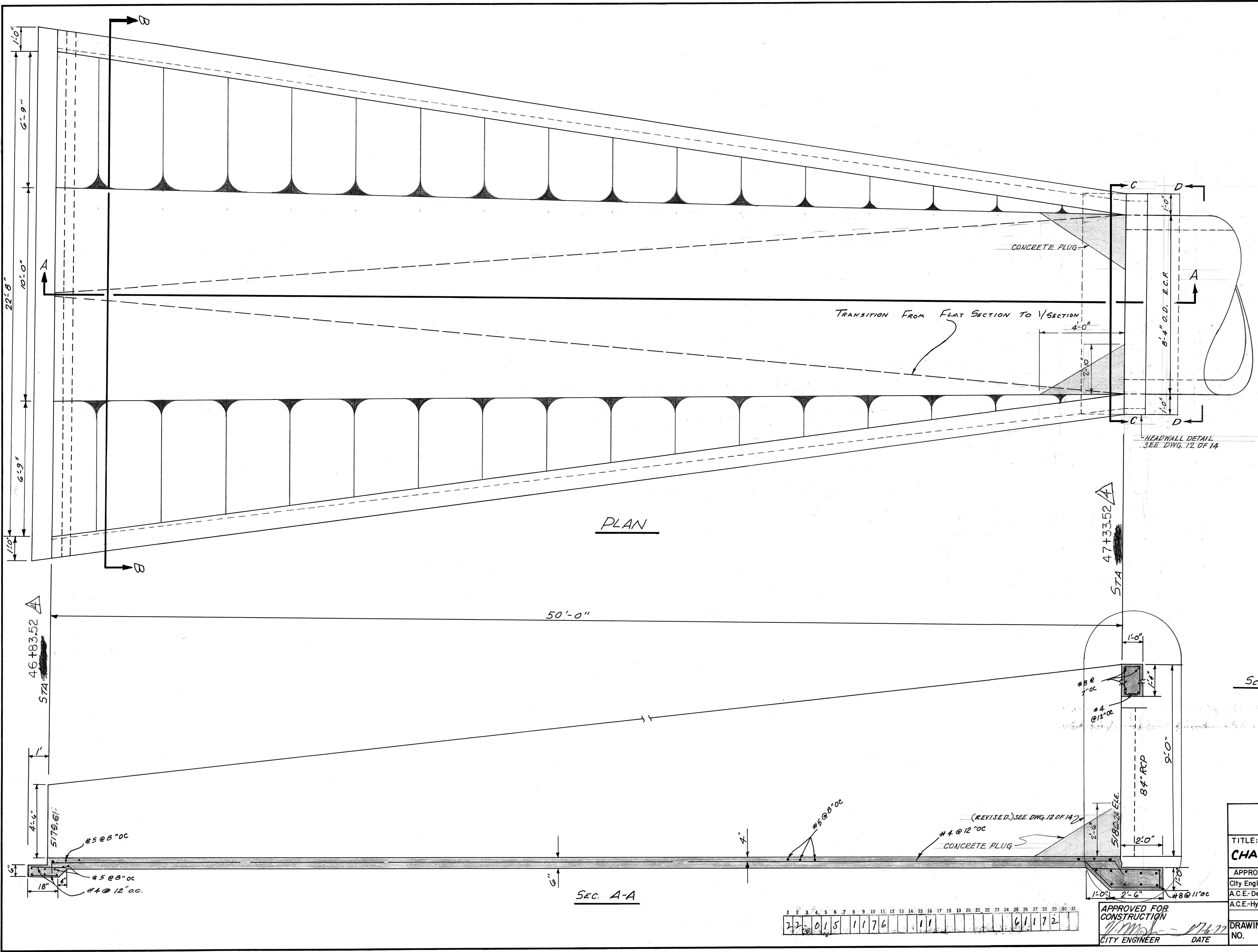


SCALE $\frac{1}{2}" = 1'-0"$

APPROVED FOR CONSTRUCTION	A.C.E.-Hydrology	Water
<i>J. M. [Signature]</i>	<i>285 p 76</i>	
CITY ENGINEER	DRAWING NO.	SHEET 9 OF 4
<i>7-6-77</i>	<i>SS-15-76</i>	
DATE		

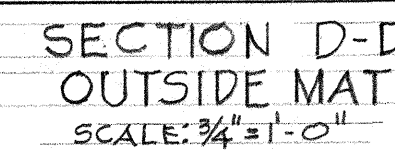
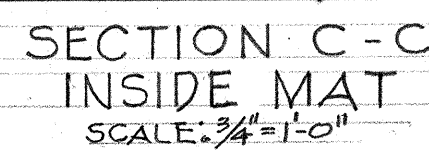
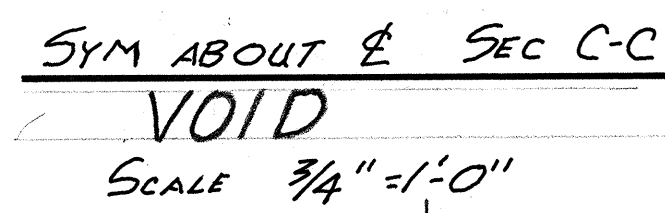
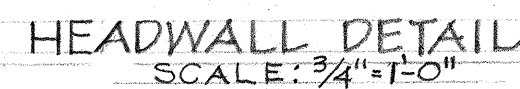
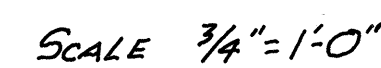


DRAWING NO.	SS-15-76	SHEET 10 OF 14
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: ELENA GALLEGOS GRANT LINE CHANNEL STRUCTURE DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/1/76	Liquid Waste		
A.C.E.-Design	<i>[Signature]</i>	10/28/76	Traffic		
A.C.E.-Hydrology	<i>[Signature]</i>	10/28/76	Water		
DRAWING NO. S.S.-15-76			SHEET 11 OF 14		

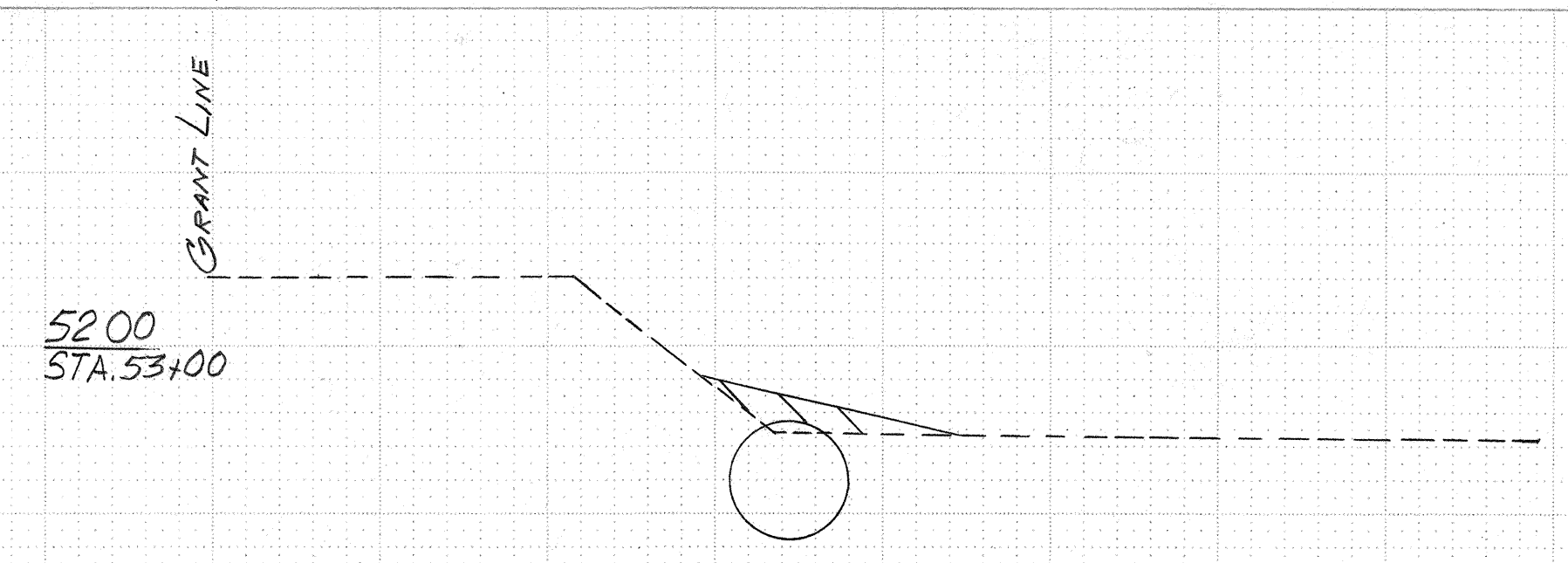
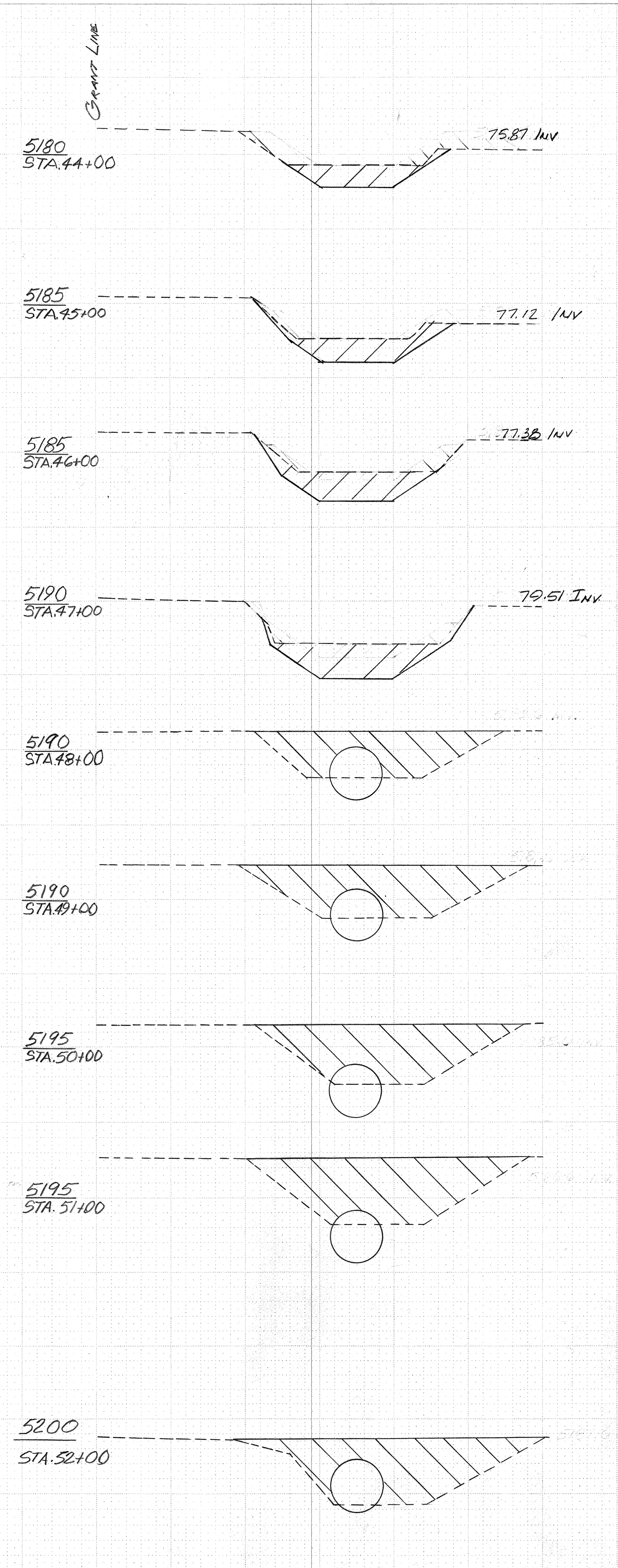
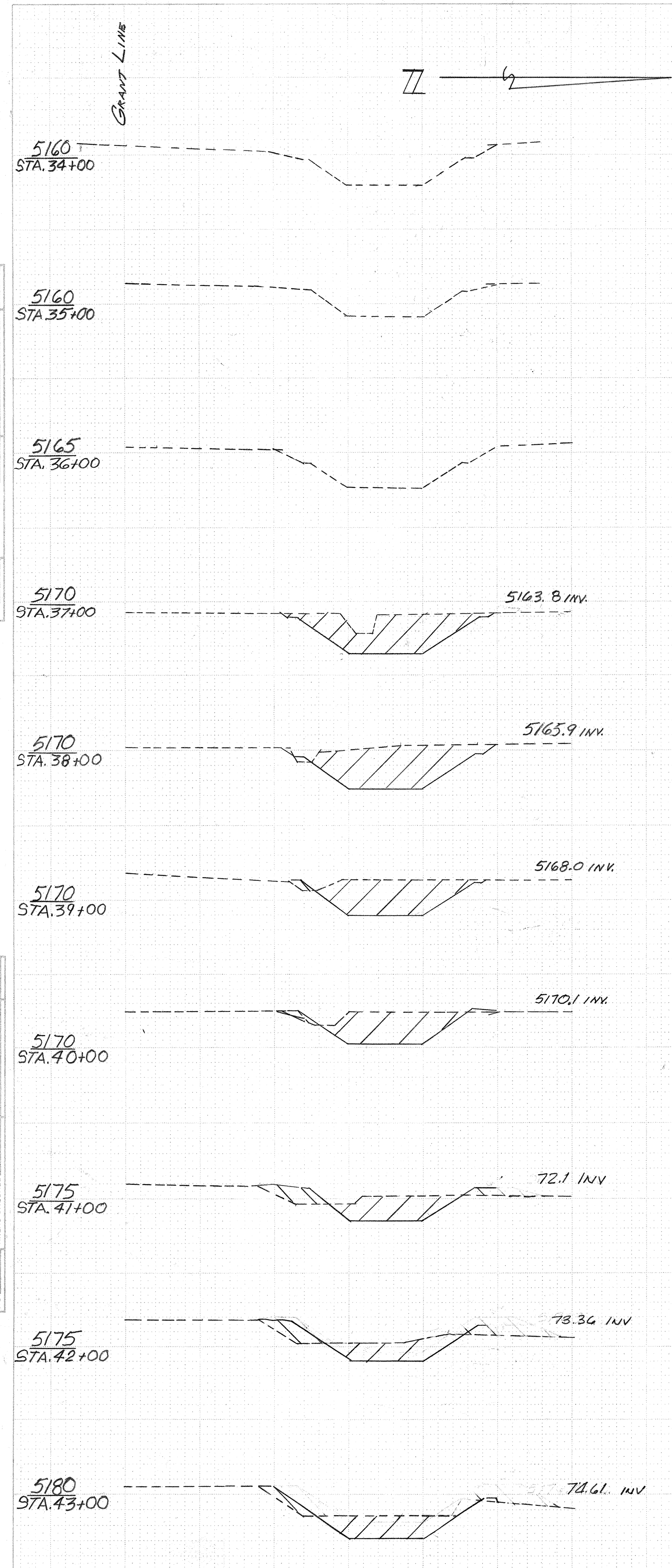
SURVEY INFORMATION			BENCH MARKS			AS-BUILT INFORMATION		
NO.	FIELD NOTES		NO.	BY		CONTRACTOR	DATE	NO.
	BY	DATE		BY	DATE			
1								
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: ELENA GALLEGOS GRANT LINE CHANNEL STRUCTURE DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	10/1/76	Liquid Waste		
A.C.E. Design	<i>[Signature]</i>	28 Sep 76	Traffic		
A.C.E.-Hydrology	<i>[Signature]</i>	28 Sep 76	Water		
DRAWING NO. S.S.-15-76			SHEET 12 OF 14		

FINAL SURVEY	DATE	
	BY	
	SURVEYED	
	NOTED	

ORIGINAL SURVEY	DATE	
	BY	
	SURVEYED	
	NOTED	



Cut

Fill

SCALE: H 1"=10'; V 1"=10'

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
22	0	1	5	1	3	7	6				1	3														6	1	1	8	2

2 1/4 CHANNEL Grades

ELENA GALLEGOS GRANT LINE CHANNEL CROSS SECTIONS

28 Sept 76

28 Sept 76

SS-15-76

13

14

ORIGINAL	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
GO		



SCALE: $H-1''=10$; $V-1''=10'$

2 12/6 CHANNEL Grades

W

ELEUS GALLEGOS GRANT LINE CHANNEL

F.O.

Heckel
28 Sep 76

Heckel
10-1-76

KHLaw
28 Sep 76

14 19

SS-15-76