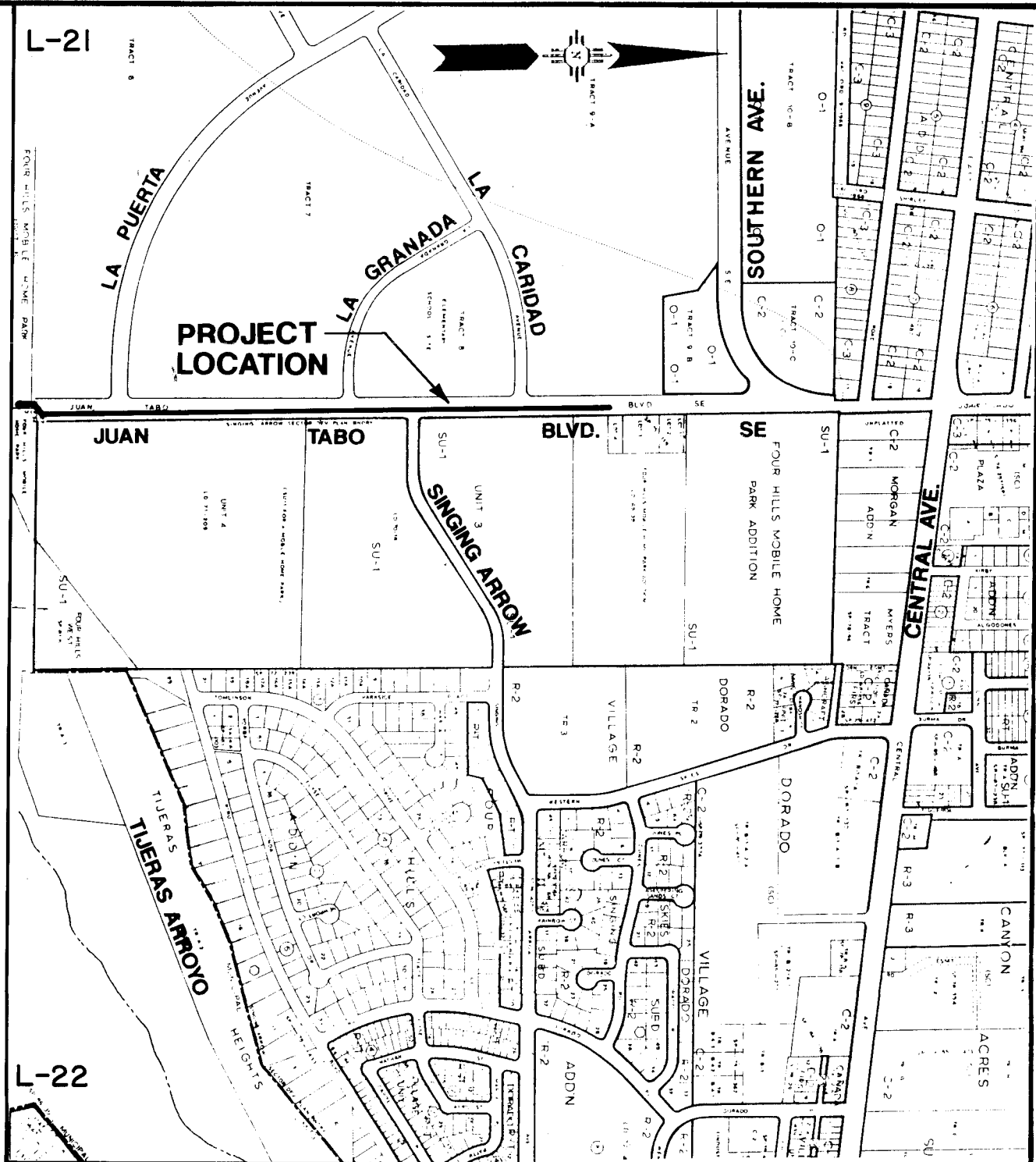




CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

JUAN TABO STORM DRAIN
AND OUTFALL
TO TIJERAS ARROYO



ZONE ATLAS PAGES L-21 & L-22

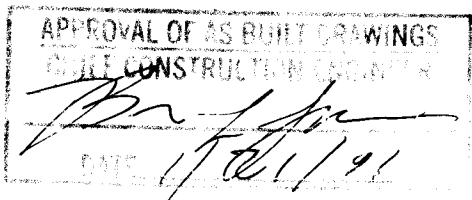
LOCATION MAP

SCALE: 1" = 800'

DRAWING INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES
3	STA. 10+00 TO STA. 21+00 PLAN AND PROFILE
4	STA. 21+00 TO STA. 32+00 PLAN AND PROFILE
5	STA. 32+00 TO STA. 44+00 PLAN AND PROFILE
6	STA. 44+00 TO STA. 52+00 PLAN AND PROFILE
7	SPECIAL DETAIL
8	TYPICAL PAVING SECTIONS
9	TRAFFIC CONTROL PLAN AND WATER SHUT-OFF PLANS
10	SEQUENCE OF CONSTRUCTION
11	MISCELLANEOUS DETAILS
12	MISCELLANEOUS DETAILS
13	MISCELLANEOUS DETAILS

C of A PWD Maps & Records
26 35990191



AS BUILT
DRAWINGS

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

		APPROVED FOR CONSTRUCTION
	DRAWING NO. 3599	SHEET 1 OF 13

GENERAL NOTES

- ALL WORK DETAILED ON THESE DRAWINGS TO BE PERFORMED UNDER THIS CONTRACT SHALL EXCEPT AS OTHERWISE STATED, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986, HEREBY REFERRED TO AS THE SPECIFICATIONS. REFERENCES MADE TO STANDARD DRAWINGS IMPLY THAT SECTION OF THE SPECIFICATIONS WHICH INCLUDES MISCELLANEOUS STANDARD DETAILS.
- LOCATION OF UTILITIES ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL PERTINENT UTILITIES IN THE FIELD. CALL BLUE STAKES (765-1234) TWO WORKING DAYS BEFORE ANY EXCAVATION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUPPORT ALL UTILITIES EXPOSED DURING CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGE TO ALL UTILITIES, INCLUDING SERVICE LINES.
- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXCAVATE, WITH THE WRITTEN APPROVAL OF THE ENGINEER, TO VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY. THE COST OF THIS WORK SHALL BE PAID FOR AS POT-HOLING. *
- CONTRACTOR SHALL COORDINATE WITH PNM (TOM GRIMES - 848-3318) WHERE LIP OF TRENCH IS LESS THAN 5' TO POWER POLE. COSTS ASSOCIATED WITH SUPPORT OF EXISTING POLES SHALL BE INCIDENTAL TO THE PROJECT.
- CONTRACTOR SHALL BE CHARGED BY PNM FOR ANY DAMAGE TO PNM CABLES AND FOR SUPPORTING OR MINOR RELOCATIONS OF CABLES DURING CONSTRUCTION. THESE COSTS SHALL BE INCIDENTAL TO THE PROJECT.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING. FINAL SURFACING SHALL BE INSTALLED AFTER FULL APPROVAL AND ACCEPTANCE OF THE UTILITY LINES AND TRENCH BACKFILL.
- CONTRACTOR SHALL COORDINATE WITH THE GAS COMPANY OF NEW MEXICO (TIM CYNNOVA - 889-2538) TWO WEEKS PRIOR TO NEEDING A GAS LINE SEGMENT RELOCATED.

CURB, CURB & GUTTERS, SIDEWALK & VALLEY GUTTER REPLACEMENT

FROM STA (APPROXIMATE)	TO STA	STD C&G LF	MEDIAN C&G LF	HEADER CURB LF	6' WIDE S/W SF	VALLEY GUTTER SY
SEE NOTE		#1	#2	#3	#4	#5
16+48.6 LT	19+11.4 RT	317				
16+77 RT	17+24 RT	47				
16+77 RT	19+11.4 RT				1416	
19+11.4 RT	19+96.3 RT					736
19+71.3 RT	19+96.3 RT					
19+93.8 RT	21+53.4 LT		323 #6			
20+00 LT @ CB		18				
23+41.5 RT	25+62.2 RT		224 #6			
23+46 LT	23+58 LT		18 #6			
23+52 LT & RT @ CB'S		36				
25+59.4 RT	25+84.4 RT					
25+59.4 RT	26+61.4 RT					
26+06.5 RT	26+14.6 RT			23		
26+36.4 RT	26+61.4 RT				202	815
26+57.1 RT	27+76.4 RT		241 #6			
26+57.1 RT @ CB		18				
27+76.4 RT	32+25 RT		449 #6			
32+25 LT & RT	35+50 LT & RT		650 #7			
33+86 LT	34+65.8 LT	80 #8				
33+88 RT & 34+22 RT @ CB'S		54				
36+80.6 RT	37+05.6 RT				324	
36+80.6 RT	37+78.3 RT				202	
37+19.2 LT	37+39.9 LT	21 #8				787
37+25.3 RT	37+32.8 RT					
37+53.3 RT	37+78.3 RT		43			
40+50 LT & RT	43+50 LT & RT		600 #7		202	
42+35.6 LT	43+15.6 LT	80 #8				
42+75 RT TO 43+18 RT @ CB'S		66			396	
45+60 LT & RT	48+00 LT & RT		500 #6			
45+65.5 RT	46+35.7 RT	71				
45+80 RT	46+20 RT	40			422	
46+00 LT @ CB		18				
50+70.2 RT	50+90.2 RT				155	
50+70.2 RT	51+62.2 RT					633
50+90.2 RT @ CB		18			72	
51+09.2 RT	51+17.3 RT			24		
51+37.2 RT @ CB & FH		24			114	
51+37.2 RT	51+62.2 RT				155	

TOTALS (BASE BID)	591	1,948	23	2,858	2,338
TOTALS (ADD ALT. #1)	146	600	0	396	0

NOTES:

- BUILD STANDARD C & G PER CITY STD. DWG. 2415.
- BUILD MEDIAN C & G PER CITY STD. DWG. 2415.
- BUILD HEADER C & G PER CITY STD. DWG. 2415.
- BUILD SIDEWALK PER CITY STD. DWG. 2430, 2431 AND 2432.
- BUILD VALLEY GUTTER PER CITY STD. DWG. 2420.
- BUILD NEW MEDIAN C & G TO EXISTING GRADE.
- BUILD NEW MEDIAN C & G LEFT OF CENTERLINE TO EXISTING GRADE.
- PROVIDE ACCEPTABLE BACKFILL WHICH SHALL BE CONSTRUCTED IN COMPACTED LAYERS TO THE TOP OF THE CURB AND SLOPED TOWARD THE CURB FOR A DISTANCE OF 25 FEET.

- CONTRACTOR SHALL COORDINATE WITH U.S. WEST COMMUNICATIONS (WARREN REYNOLDS, 888-8733) FIVE WORKING DAYS PRIOR TO EXCAVATION FOR STORM DRAIN LATERALS OR INLETS AT LOCATIONS WHERE POSSIBLE CONFLICTS ARE SHOWN ON THE PLANS.
- PROVIDE 3'-8" MINIMUM COVER OVER NEW WATER LINES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE DEPTH OF EXISTING WATER, TELEPHONE, GAS AND POWER LINES IS UNDETERMINED.
- ALL GAS VALVE BOXES, ELECTRICAL MANHOLES, TELEPHONE MANHOLES, AND UTILITY POLES WILL BE ADJUSTED TO GRADE, OR RELOCATED BY OTHERS.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY HIM TO EXISTING VALVE BOXES, SIDEWALKS, MANHOLES, AND CURB & GUTTER SHOWN NOT TO BE REMOVED DURING CONSTRUCTION AND SHALL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE. THE CONTRACTOR SHALL PROTECT THE CURB AND GUTTER FROM INCIDENTAL SPLASHING DURING TACK COAT APPLICATION AND CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING THE SAME AT HIS OWN EXPENSE IN THE EVENT OF SPLASHING.
- CONTRACTOR SHALL MAKE ALL WATER VALVES AND MANHOLES ACCESSIBLE TO THE CITY AT ALL TIMES.
- WATER SHUT-OFF PLANS ARE FOR CITY USE ONLY. WATER DISTRIBUTION SYSTEM SHUT-OFFS AND TURN-ONS SHALL BE AS PER SECTION 18.3 OF THE GENERAL CONDITIONS. THREE DAYS NOTICE IS REQUIRED FOR WATER SHUT-OFFS (823-4200).
- ELECTRONIC MARKER DISCS SHALL BE INSTALLED PER SECTION 170 OF THE TECHNICAL SPECIFICATIONS.
- THE CONTRACTOR, WITH CITY CONCURRENCE, SHALL INFORM THE PUBLIC, THROUGH THE NEWS MEDIA, OF STREET CLOSURES, DETOURS, AND OTHER CONSTRUCTION ACTIVITIES WHICH AFFECT NORMAL TRAFFIC FLOW. NO DIRECT PAYMENT SHALL BE MADE BUT SHALL BE INCLUDED IN THE COST OF THE PROJECT. SEE SECT. 19 OF THE GENERAL CONDITIONS.
- THE FIRE DEPARTMENT SHALL BE NOTIFIED 48 HOURS IN ADVANCE BY THE CONTRACTOR WHENEVER A FIRE HYDRANT IS TO BE REMOVED OR IS TO BE OUT OF SERVICE.

- THE CONTRACTOR SHALL PROVIDE PROJECT CONSTRUCTION SIGNS PER THE REQUIREMENTS OF SPECIAL PROVISIONS SECTION 3. THE CONTRACTOR SHALL MOVE THE SIGNS DURING THE PROJECT AT THE DIRECTION OF THE ENGINEER.
- ALL TRAFFIC SIGNS AND CODING WILL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" CURRENT EDITION, PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.
- CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT PRIOR TO STARTING CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATOR (768-2551) PRIOR TO OCCUPYING AN INTERSECTION.
- ALL WATER VALVES OR OTHER UTILITY ACCESS COVERS SHALL MATCH FINISH GRADE OF PAVEMENT.
- RIM ELEVATIONS SHOWN FOR NEW MANHOLES ARE BASED ON INTERPOLATED SURVEY DATA. MANHOLE RINGS AND COVERS SHALL MATCH FINISH GRADE OF PAVEMENT.
- GRATE ELEVATIONS SHOWN FOR NEW CATCH BASINS ARE BASED ON INTERPOLATED SURVEY DATA. THE TOP OF THE CATCH BASIN SHALL MATCH THE EXISTING TOP OF CURB ELEVATION.
- WHERE JACKING AND BORING ARE CALLED FOR ON THE PLANS, THE CONTRACTOR MAY PROPOSE AN ALTERNATE METHOD OF CONSTRUCTION FOR APPROVAL BY THE ENGINEER. THE CONTRACTOR IS CAUTIONED THAT THE 30-INCH COP WATER LINE CANNOT BE RELOCATED, SHUTDOWN OR OTHERWISE DISTURBED.
- WHERE REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE TO THE NEAREST JOINT OR SAW CUT.
- WHEN ABUTTING NEW PAVING TO EXISTING, SAW CUT EXISTING PAVING ON A RIGHT ANGLE, OR AS REQUIRED BY THE PROJECT ENGINEER TO REMOVE ANY BROKEN, RAVELED, OR CRACKED PAVING AND MATCH THE NEW PAVING GRADE TO THE EXISTING. NO SEPARATE PAYMENT SHALL BE MADE FOR SAW CUT BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNIT PRICE FOR PAVEMENT REMOVAL AND/OR REPLACEMENT.

CURB, CURB & GUTTER & SIDEWALK REMOVALS

FROM STA (APPROXIMATE)	TO STA	STD C&G LF	MEDIAN C&G LF	HEADER CURB LF	4' WIDE CURB LF	SIDEWALK SY
16+48.6 LT	16+77 RT				71	9.3
17+23.1 RT	17+45.7 RT					17.8
17+45.7 RT	17+85.7 RT					30.5
17+85.7 RT	18+54.4 RT					6.6
18+54.4 RT	18+66.2 RT					
18+54.4 RT	19+14.5 RT	61				
18+66.2 RT	19+14.5 RT					32.2
18+58 LT & RT	19+19.1 LT & RT	37	127			17.6
19+14.5 RT	19+36.4 RT	37				17.6
19+71.3 RT	19+93.4 RT					
19+93.8 RT	21+53.4 LT		323			
20+00 LT @ CB		18				
23+41.5 RT	25+62.2 RT		224			
23+46 LT	23+58 LT		18			
23+52 LT & RT @ CB'S		36				12 (RT ONLY)
25+59.4 RT	25+84.4 RT	40				17.4
26+06.5 RT	26+14.6 RT			23		
26+36.4 RT	26+61.4 RT	40				
26+57.1 RT	27+76.4 RT		241			
26+57.1 RT @ CB		18				
27+76.4 RT	32+25 RT		449			
32+25 LT & RT	35+50 LT & RT		540			
33+86 LT	34+65.8 LT	79 #1				
33+88 RT & 34+22 RT @ CB'S		54				36
36+80.6 RT	37+05.6 RT	40				19.1
37+19.2 LT	37+39.9 LT	21 #1				
37+25.3 RT	37+32.8 RT			12		
37+53.3 RT	37+78.3 RT	40				19.1
40+50 LT & RT	43+50 LT & RT		483			
42+35.6 LT	43+15.6 LT	79 #1				
42+75 RT TO 43+18 RT @ CB'S		66				44
45+60 LT & RT	48+00 LT & RT		407			
45+65.5 RT	46+35.7 RT	36				12.9
46+00 LT @ CB		18				
50+71.1 RT	50+90.2 RT	32				14.7
50+90.2 RT @ CB		18				8
51+09.2 RT	51+17.3 RT			24		
51+37.2 RT @ CB & FH		24				12.7
51+37.2 RT	51+62.2 RT	32				17.1

TOTALS (BASE BID)	521	1,922	35	71	252.6
TOTALS (ADD ALT. #1)	145	483	0	0	44

NOTES:

- REMOVE CABLE BARRIER

- SUBGRADE PREPARATION UNDER "SIDEWALKS", AND SUBGRADE AND SUBBASE PREPARATION UNDER "STANDARD AND MEDIAN CURB AND GUTTER" AND "CONCRETE VALLEY GUTTER" SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH, AND NO DIRECT PAYMENT SHALL BE MADE FOR THOSE ITEMS OF WORK.
- MATCH FLOWLINES OF GUTTERS AND TOPS OF CURBS WHEN CONNECTING NEW CURB AND GUTTER TO EXISTING.
- WHERE PAVEMENT REPLACEMENT IS CALLED FOR IN THE PLANS, PAVING WILL BE PER CITY OF ALBUQUERQUE STANDARD DRAWING 2408, AND THE PAVING DESIGN SHOWN ON THE TYPICAL PAVING SECTIONS. SUBGRADE PREPARATION SHALL BE PAID FOR AS COMPACTED TRENCH BACKFILL.
- SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY.
- WHERE WIRE ENCLOSED RIPRAP IS CALLED FOR ON THE PLANS, NATURAL CRUSHED STONE OR COBBLES SHALL BE USED. THE USE OF CONCRETE RUBBLE SHALL NOT BE PERMITTED.
- ALL EXPOSED CONCRETE PLACED WITHIN THE TIJERAS ARROYO (STA 10+00 - 16+00) SHALL BE TINTED WITH PIGMENTS MANUFACTURED BY DAVIS COLORS. USE "SAN DIEGO BUFF" (NO. 5237) AT THE RATE OF 1 LB. PER SACK OF CEMENT.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED.
- ALL EXCAVATION FOR THE STORM DRAINS, AND OTHER EXCAVATIONS, SHALL BE GOVERNED BY FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- REMOVAL AND DISPOSAL OF CABLE BARRIER AT LA CARIDAD AND LA GRANADA SHALL BE CONSIDERED INCIDENTAL TO CURB AND GUTTER REMOVAL AND NO DIRECT PAYMENT SHALL BE MADE FOR THIS ITEM OF WORK.
- REMOVAL AND DISPOSAL OF 2 SHRUBS AND THE MOBILE HOME IDENTIFICATION SIGN FROM STATION 17+40 RT TO STATION 17+90 RT SHALL BE CONSIDERED INCIDENTAL TO CURB AND GUTTER REMOVAL AND NO DIRECT PAYMENT SHALL BE MADE FOR THIS ITEM OF WORK.
- STRUCTURE EXCAVATION AND BACKFILL FOR CONCRETE PIPE COLLARS AND HEADWALL SHALL BE CONSIDERED INCIDENTAL TO STRUCTURAL CONCRETE AND NO DIRECT PAYMENT SHALL BE MADE FOR THIS ITEM OF WORK.
- FROM STATION 17+20 RT TO STATION 19+25 RT, REMOVE AND STOCKPILE EXISTING SOUTHWESTERN LANDSCAPING (GRAVEL) AND UPON COMPLETION OF CONSTRUCTION, REINSTALL GRAVEL OVER NEW BLACK POLYETHYLENE SHEETING, 8 MIL THICK. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO GRAVEL MULCH SEEDING AND NO DIRECT PAYMENT SHALL BE MADE FOR THIS ITEM OF WORK.
- PAVEMENT MARKERS AND REFLECTORIZED STRIPING SHALL BE INDICENTAL TO ASPHALT CONCRETE SURFACE COURSE AND NO DIRECT PAYMENT SHALL BE MADE FOR THESE ITEMS OF WORK.

* AS-BUILT NOTE:

STORM SEWER PIPE FROM STA. 17+00 TO STA. 34+03 HAS DEVELOPED SOME CRACKING - PIPE WILL BE REINSPECTED PRIOR TO THE END OF THE 3 YEAR WARRANTY PERIOD ENDING.

AS BUILT
DRAWINGS

HN

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: JUAN TABO STORM DRAIN

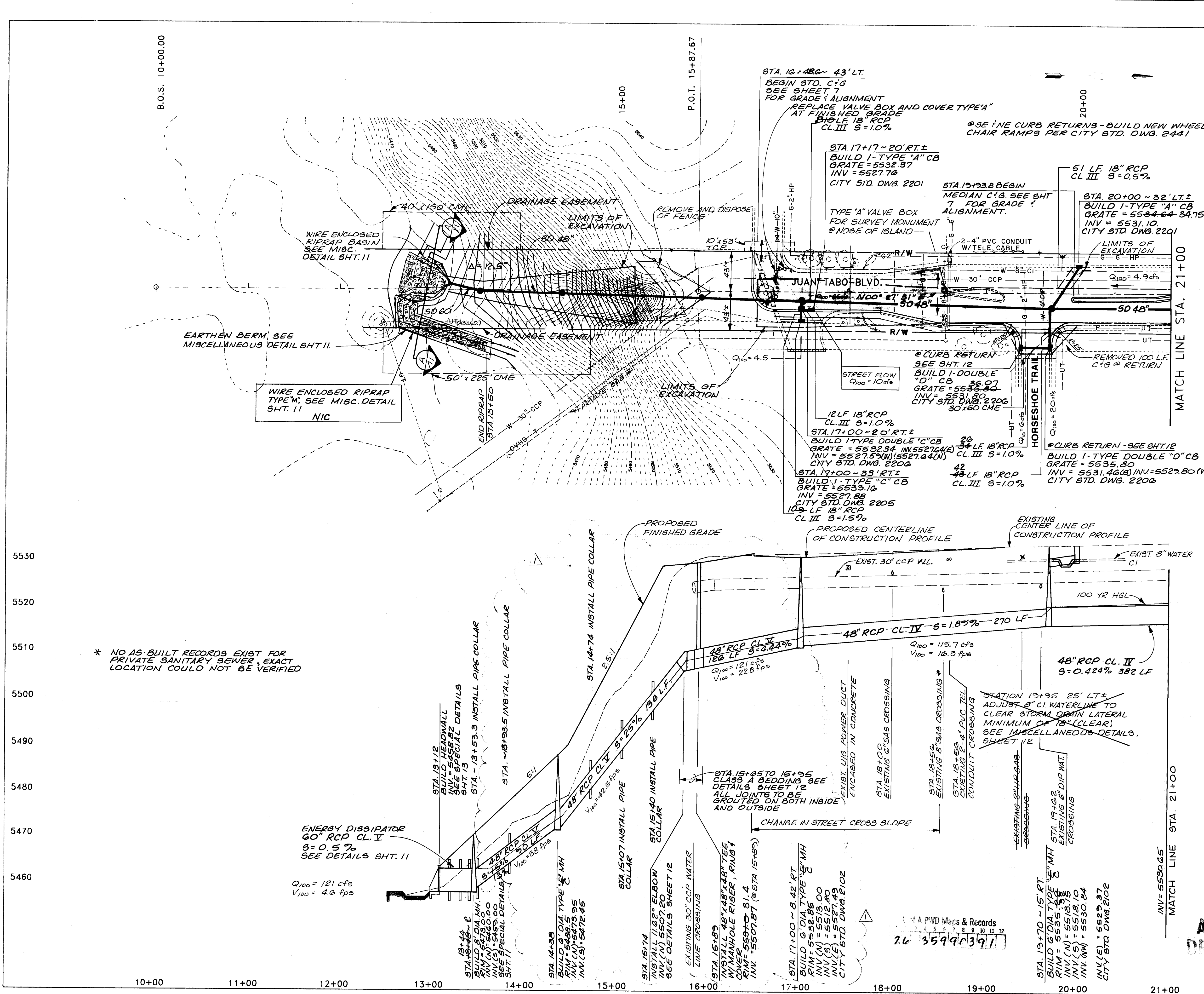
GENERAL NOTES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Rene A. Garcia	2/9/90			
Trans. Dev	R.W. Kane	2-7-90			
Utility Dev	R.W. Kane	2-7-90			
Hydrology	Steve Boland	2-7-90			
DRAWING NO.	3599	MAP NO.	SHEET 2 OF 13		

CITY AND PWD Maps & Records

26 3599 291

AS BUILT INFORMATION	CONTRACTOR: Albuquerque Underground	WORK STARTED BY: Contractor	DATE: 11-19-90
BENCH MARKS		FIELD ACCEPTANCE BY: J.A. Ortega	DATE: 11-19-90
SURVEY INFORMATION		FIELD ACCEPTANCE BY: J.A. Ortega	DATE: 11-19-90
ENGINEER'S SEAL		REVISIONS	DESIGN
		NO.	DATE
		1-8-91	AS-BUILT
		NO.	DATE
		DESIGNED BY: DSD	DATE: DEC. 1989
		DRAWN BY: PMT	DATE: DEC. 1989
		CHECKED BY: SFF	DATE: DEC. 1989



LEGEND

	EXIST.	PROP.
WATER VALVE	⊗	⊗
FIRE HYDRANT	⊗	⊗
CATCH BASIN	⊗	⊗
MANHOLE	⊗	⊗
UNDERGROUND TELEPHONE	—UT—	—UT—
UNDERGROUND POWER	—UP—	—UP—
SAN. SEWER	—SAS—	—SAS—
STORM DRAIN	—SD—	—SD—
WATER	—W—	—W—
GAS	—G—	—G—
CHAIN LINK FENCE	—K—	—K—
BLOCK WALL	—B—	—B—
STREET RECONSTRUCTION	—	—

GENERAL NOTES:

- TWO WEEKS PRIOR TO BACKFILLING THE EXCAVATION FROM STA. 12+45 TO 16+50 THE CONTRACTOR SHALL NOTIFY U.S. WEST COMMUNICATIONS (WARREN REYNOLDS 888-8733) AFTER CONTRACTOR HAS BACKFILLED ENERGY DISSIPATOR AND STORM DRAIN IN THIS AREA, BUT PRIOR TO FINALIZING SLOPE STABILITY, THE CONTRACTOR MUST ALLOW TWO WEEKS FOR U.S. WEST TO INSTALL A CONDUIT FOR FUTURE USE.
- THE MINIMUM CLASS OF BEDDING SHALL BE CLASS C EXCEPT WHERE CLASS A IS SPECIFIED
- MAX TRENCH WIDTH FOR TRUNK LINES SHALL BE 30 FEET AND 24\"/>

AS BUILT DRAWINGS

TITLE: JUAN TABO STORM DRAIN
STA. 10+00 TO STA. 21+00

NO.	REVISIONS	DATE
1	AS BUILT	1-8-91
2	REVISED STA. 13+48 TO 17+00	3-29-91

DESIGNED BY: DSD

DATE: DEC. 1989

DRAWN BY: PMT/JAV

DATE: DEC. 1989

CHECKED BY: SFF

DATE: DEC. 1989

AS BUILT INFORMATION

NO.	REVISIONS	DATE
1	AS BUILT	1-8-91
2	REVISED STA. 13+48 TO 17+00	3-29-91

DESIGNED BY: DSD

DATE: DEC. 1989

DRAWN BY: PMT/JAV

DATE: DEC. 1989

CHECKED BY: SFF

DATE: DEC. 1989

* NO AS-BUILT RECORDS EXIST FOR PRIVATE SANITARY SEWER, EXACT LOCATION COULD NOT BE VERIFIED

ENERGY DISSIPATOR
60" RCP CL. V
S=0.5%
SEE DETAILS SHT. 11

Q₁₀₀ = 121 cfs
V₁₀₀ = 4.6 fps

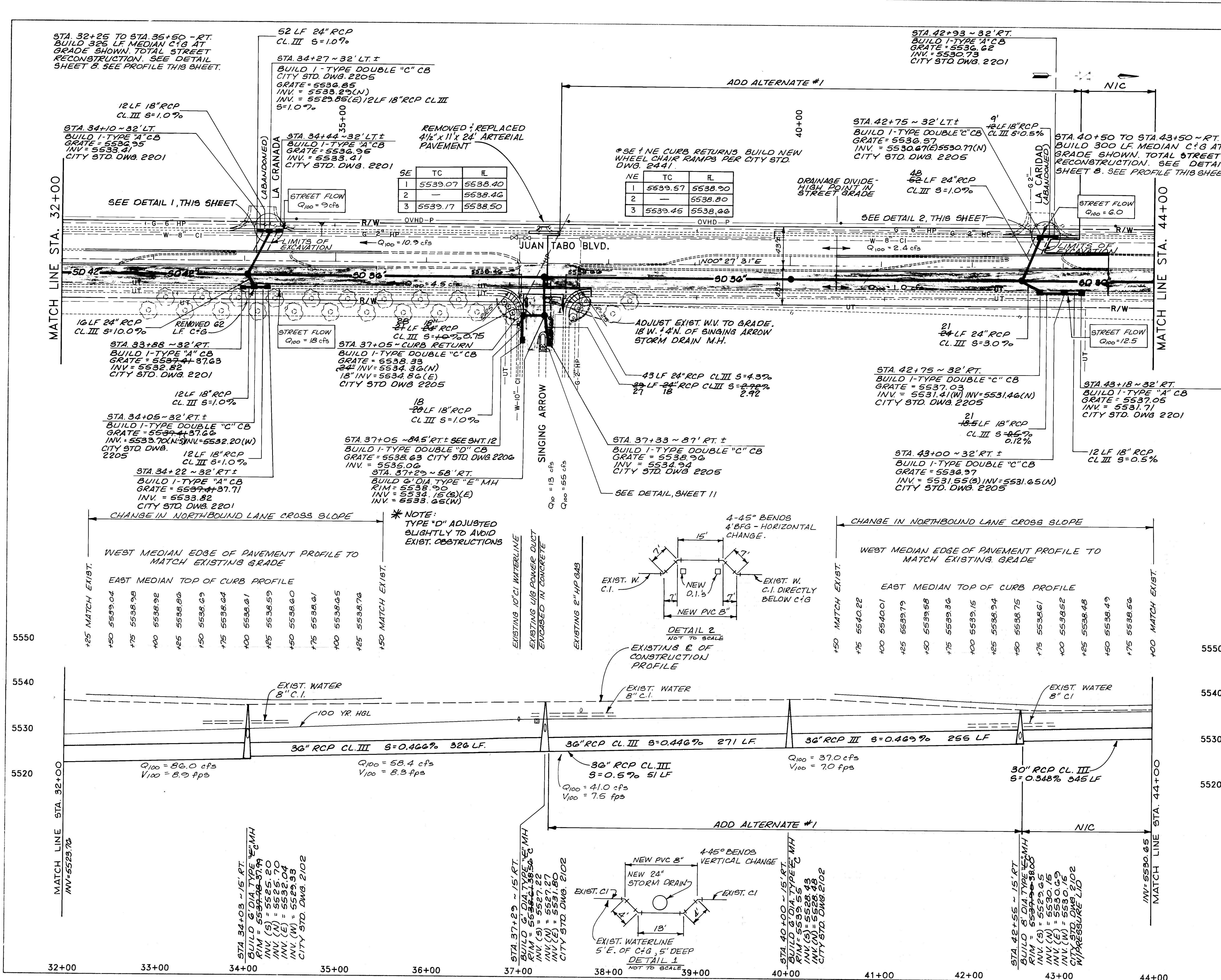
CITY & COUNTY OF ALBUQUERQUE
2.6 3599 0391

STA. 19+70 ~ 15' RT.
BUILD 1-TYPE "A" CB
RIM = 5535.15
INV (N) = 5513.75
INV (S) = 5513.70
INV (E) = 5530.84
INV (W) = 5529.97
CITY STD. DWG. 2202

AS BUILT
DRAWINGS

HN

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: JUAN TABO STORM DRAIN STA. 10+00 TO STA. 21+00			
NO.	REVISIONS	DATE	BY
1	AS BUILT	1-8-91	DSD
2	REVISED STA. 13+48 TO 17+00	3-29-91	DSD
3	DESIGN	DEC. 1989	DSD
4	REVISIONS	DEC. 1989	PMT/JAV
5	REVISIONS	DEC. 1989	SFF



LEGEND

	EXIST.	PROP.
WATER VALVE	EX	W
FIRE HYDRANT	Y	Y
CATCH BASIN	CB	CB
MANHOLE	M	M
UNDERGROUND TELEPHONE	UT	UT
UNDERGROUND POWER	UP	UP
SAN. SEWER	SS	SS
STORM DRAIN	SD	SD
WATER	W	W
GAS	G	G
CHAIN LINK FENCE	KL	KL
BLOCK WALL	BW	BW
STREET RECONSTRUCTION	SR	SR

GENERAL NOTE :

- STA 32+00 TO STA 32+25 TRENCHING CANNOT UNDERMINE THE MEDIAN CURB AND BUTTER AND MEDIAN PAVEMENT WEST OF THE JUAN TABO BLVD.
- STA 35+50 TO STA 40+50 AND STA 43+50 TO STA 44+00 TRENCHING CANNOT UNDERMINE THE MEDIAN CURB AND BUTTER EAST OF THE JUAN TABO BLVD.
- STA 32+00 TO STA 44+00 TRENCHING CANNOT UNDERMINE THE STANDARD CURB AND BUTTER ON THE EAST SIDE.
- NO PAYMENT WILL BE MADE FOR ANY WORK PERFORMED OUTSIDE STATED LIMITS. TRENCH SUPPORT THAT MAY BE REQUIRED WILL BE PAID FOR AT THE UNIT BID PRICE PER LINEAR FOOT OF TRENCHING AND BACKFILLING.
- SEE SHEET 2 FOR CURB, CURB BUTTER, VALLEY GUTTER AND SIDEWALK REMOVALS AND REPLACEMENTS.
- THE MINIMUM CLASS OF BEDDING SHALL BE CLASS C.
- MAXIMUM TRENCH WIDTH FOR TRUNKLINE SHALL BE 8.0 FEET. MAXIMUM TRENCH WIDTH FOR 18" AND 24" LATERALS SHALL BE OUTSIDE DIAMETER PLUS 20 FEET.

AS BUILT DRAWINGS

SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

HN

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE

JUAN TABO STORM DRAIN
STA. 32+00 TO STA. 44+00

APPROVAL	ENGINEER	DATE	APPROVAL	ENGINEER	DATE
DRC Chair	R. W. Kane	2/9/90	APPROVAL		
Trans. Dev.	R. W. Kane	2-7-90	APPROVAL		
Utility Dev.	R. W. Kane	2-7-90	APPROVAL		
Hydrology	Star. Polay	2-7-90	APPROVAL		

DRAWING NO. 3599

MAP NO. L-22

SHEET 5 OF 13

AS BUILT INFORMATION

1-8-90 AS BUILT

NO. DATE

REVISIONS

DESIGN

BY

DATE

DESIGNED BY DSD

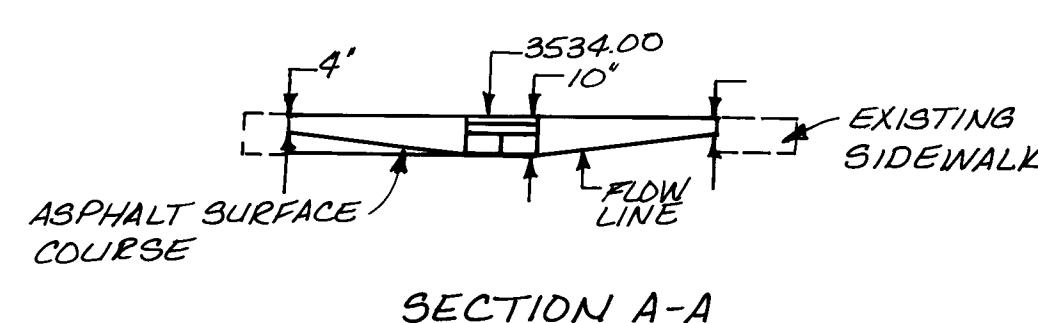
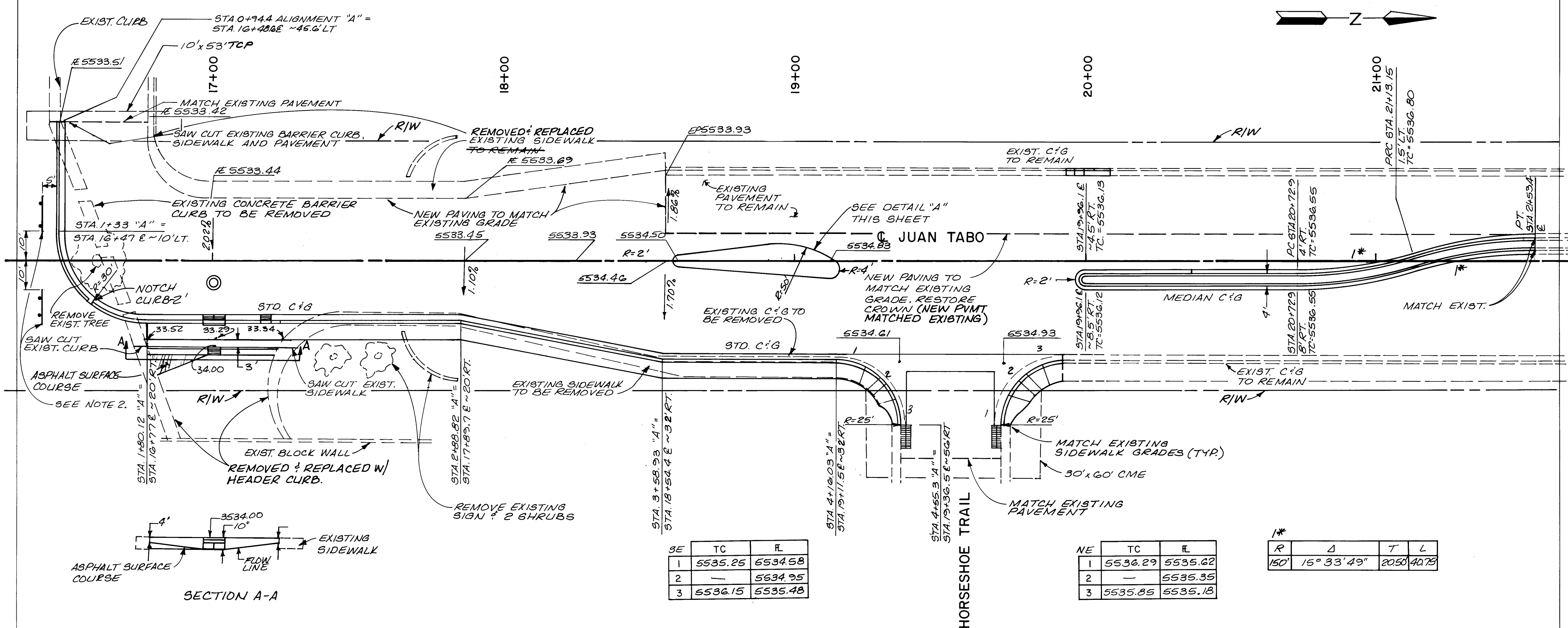
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CHECKED BY SFF

DATE DEC. 1989

DATE DEC. 1989

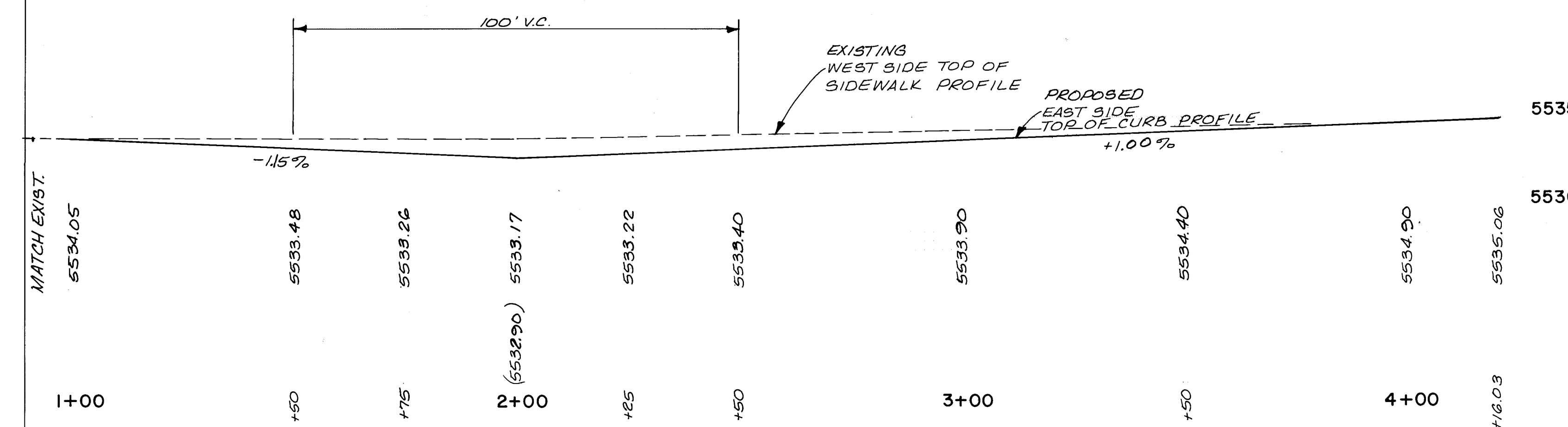
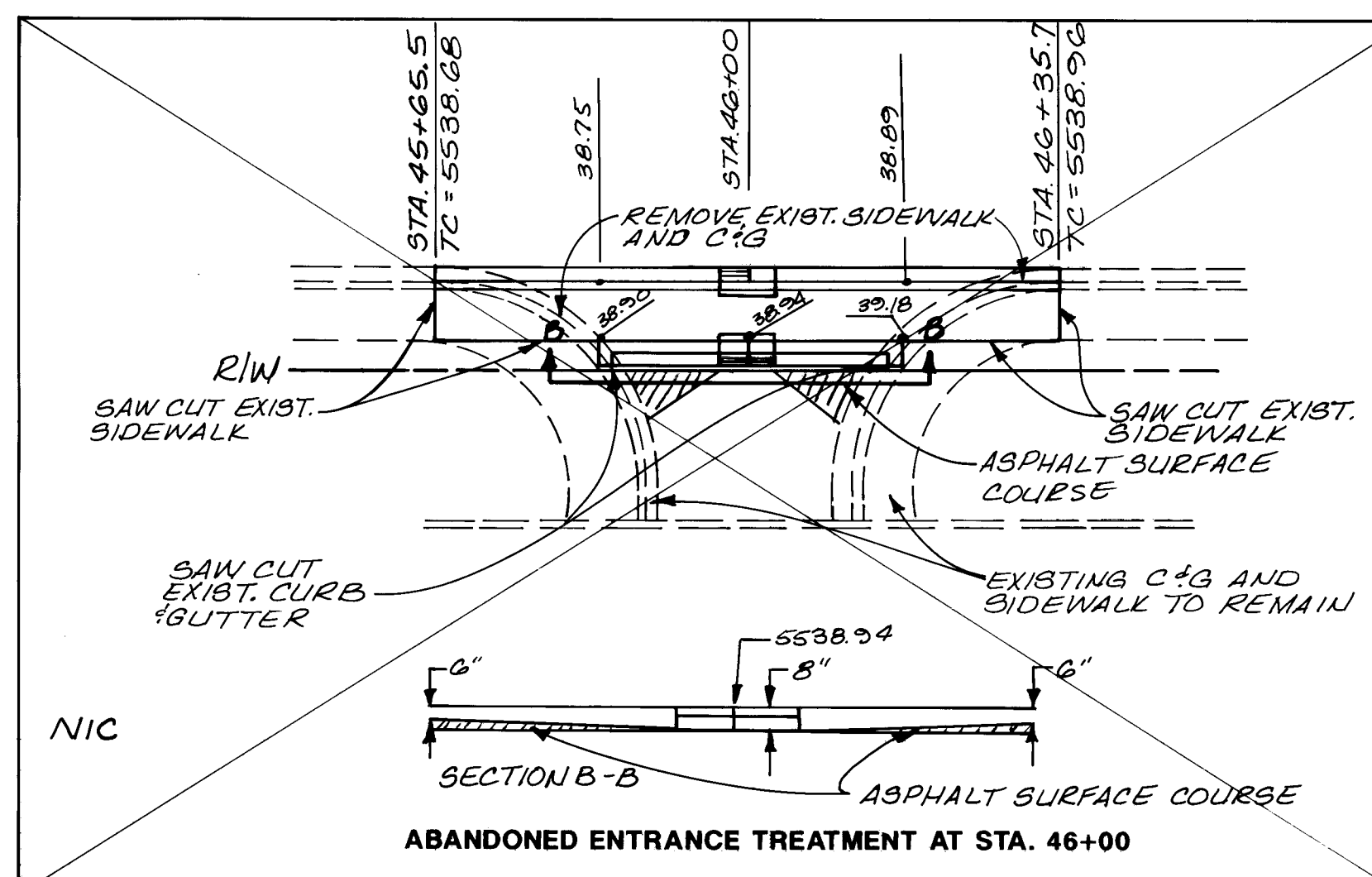
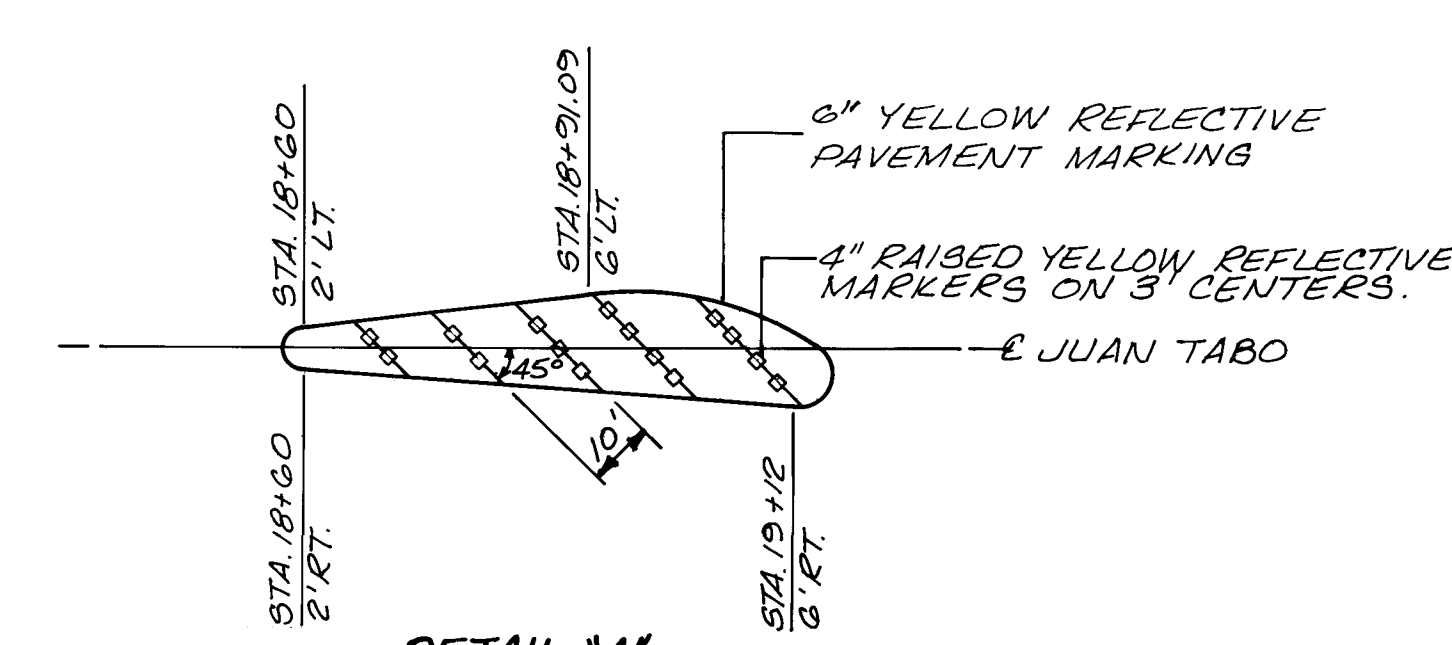
DATE DEC. 1989



SE	TC	EL
1	5535.25	5534.58
2	—	5534.35
3	5536.15	5535.48

NE	TC	EL
1	5536.29	5535.62
2	—	5535.35
3	5535.85	5535.18

R	Δ	T	L
150'	15° 33' 49"	2050'	4075'



GENERAL NOTE

1. SEE SHEET 2 FOR CURB, CURB AND GUTTER, VALLEY GUTTER AND SIDEWALK REMOVALS AND REPLACEMENTS.

2. 2-TYPE III BARRICADES R-20 W/R, RL-RB WITH W-6 ARROW. L=12' H=5'

Albuquerque Underground Contractor
 11-19-90 J.A. Ortega
 11-19-90 J.A. Ortega
 11-19-90 Holmes-Norton
 1-8-91

C of A PWD Maps & Records
 1 2 3 4 5 6 7 8 9 10 11 12
 26 35990791

AS BUILT DRAWINGS

SCALE: 1" = 20' HORIZ.
 1" = 5' VERT.

HN

1-8-91 AS-BUILT

DEC. 1989
 DEC. 1989
 DEC. 1989

DSD
 PMT
 SFF

JUAN TABO STORM DRAIN

SPECIAL DETAIL

DATE: 2/9/90
 DRAWN BY: R. D. K. 2-7-90
 CHECKED BY: R. W. K. 2-7-90
 DESIGNED BY: S. B. 2-7-90

DRAWING NO. **3599**

SHEET **7** OF **13**



FROM 3TA. TO 3TA.

21+535	22+41	
35+50	37+50	
37+78	40+50	(ADD ALT.#1)
43+50	45+50	(NIC)
48+00	50+85	(NIC)



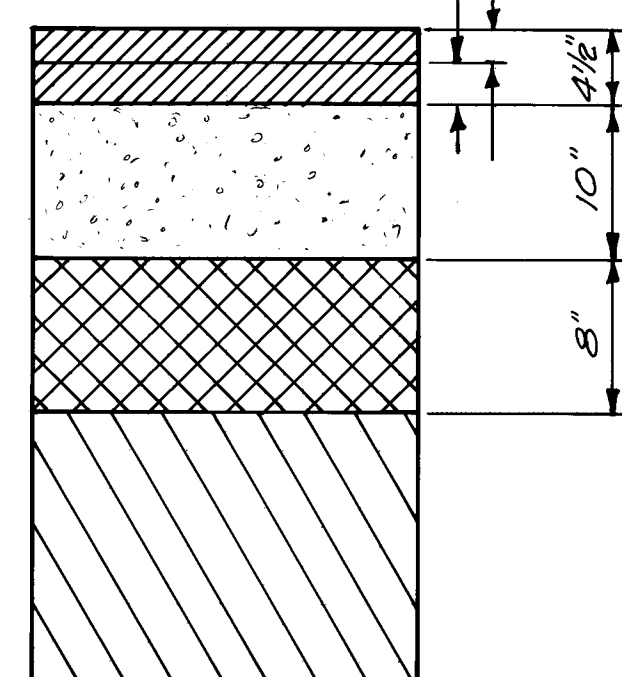
FROM STA. TO STA

32+25	35+50	
40+50	43+50	(ADD ALT.#1)
45+50	48+00	(NIC)

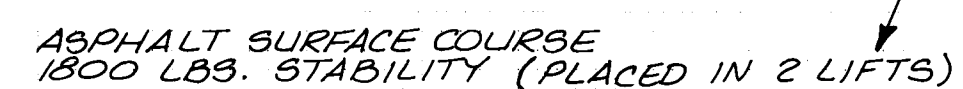
TYPICAL NB LANE PAVEMENT AND FULL WIDTH MEDIAN REPLACEMENT

FROM STA. TO STA.

18+57	19+12 W/NEW STD. C&G 1/2 SIDEWALK
19+94	21+53.5
26+57	27+77



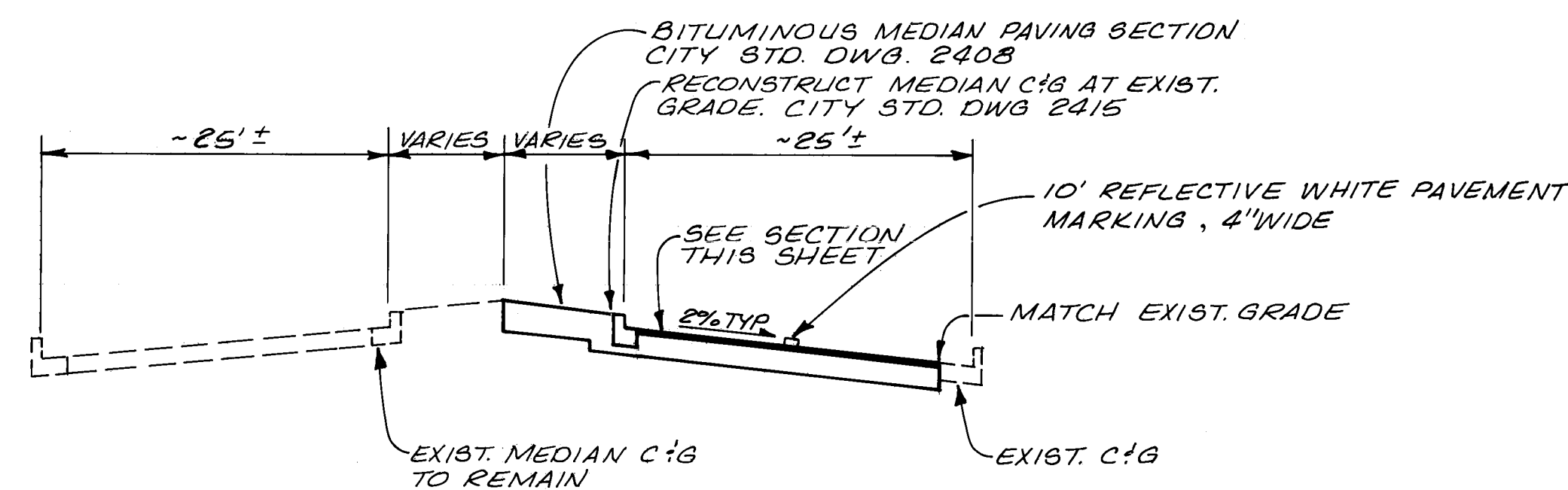
PAVEMENT SECTION



GRAVEL BASE COURSE CLASS II
95% COMPACTION

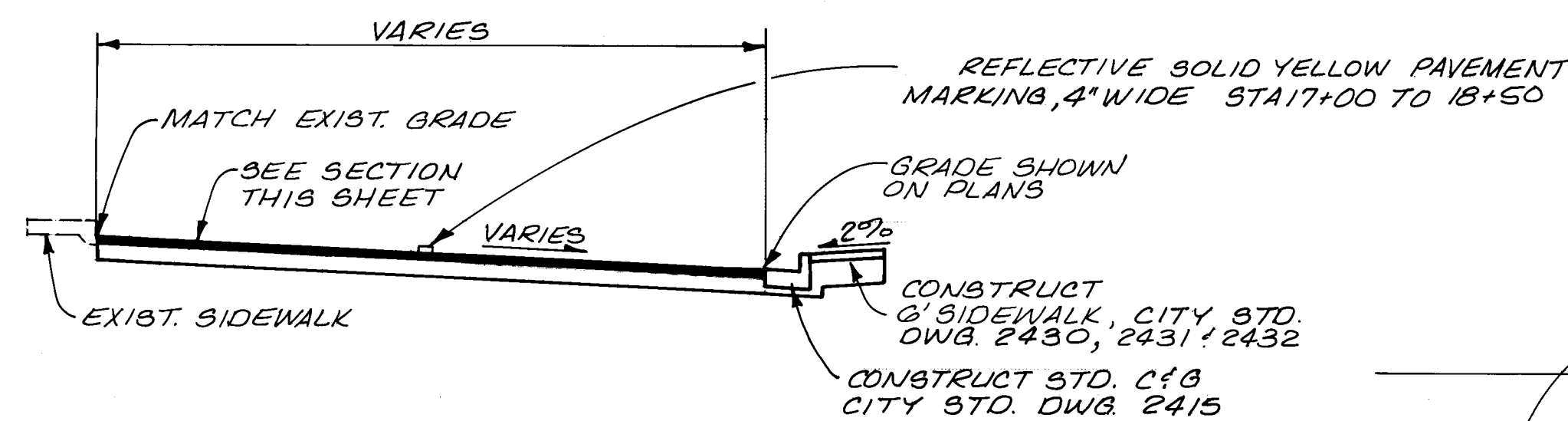
COMPACTED SUBGRADE SEE GENERAL NOTE NO. 31
95% COMPACTION

COMPACTED SUBGRADE/TRENCH BACKFILL
90% COMPACTION



SECTION B-B TYPICAL NB LANE PAVEMENT AND HALF-WIDTH MEDIAN REPLACEMENT

FROM STA.	TO STA.
23+41	25+61
27+77	32+25

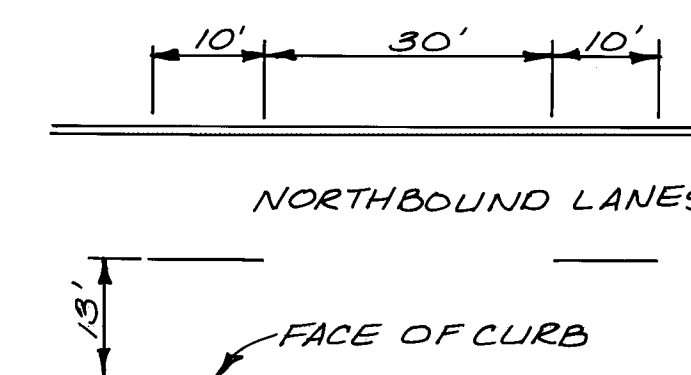


**SECTION D-D
TYPICAL STREET RECONSTRUCTION
SOUTH END JUAN TABO**

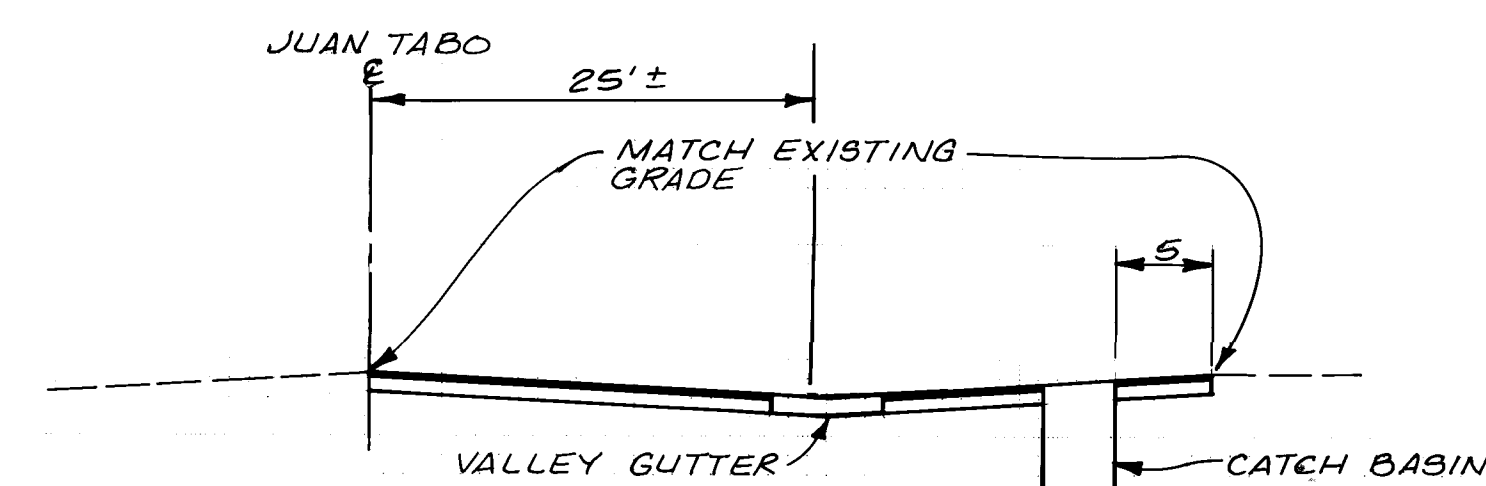
FROM STA. TO STA

16+48	16+77 W/NO NEW SIDEWALK
16+77	18+57

TYPICAL STRIPING DETAIL



TYPICAL INTERSECTION STRIPING DETAIL



SECTION E-E

TYPICAL SIDE STREET RECONSTRUCTION AT INTERSECTION

FROM STA.	TO STA
19+18	19+94
22+41	23+41
25+61	26+57
37+02	37+69
50+85	51+00 (NIC)

		ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
				FIELD NOTES				INTERESTING	
				BY				STARTED BY	
				REMARKS				INSPECTED BY	
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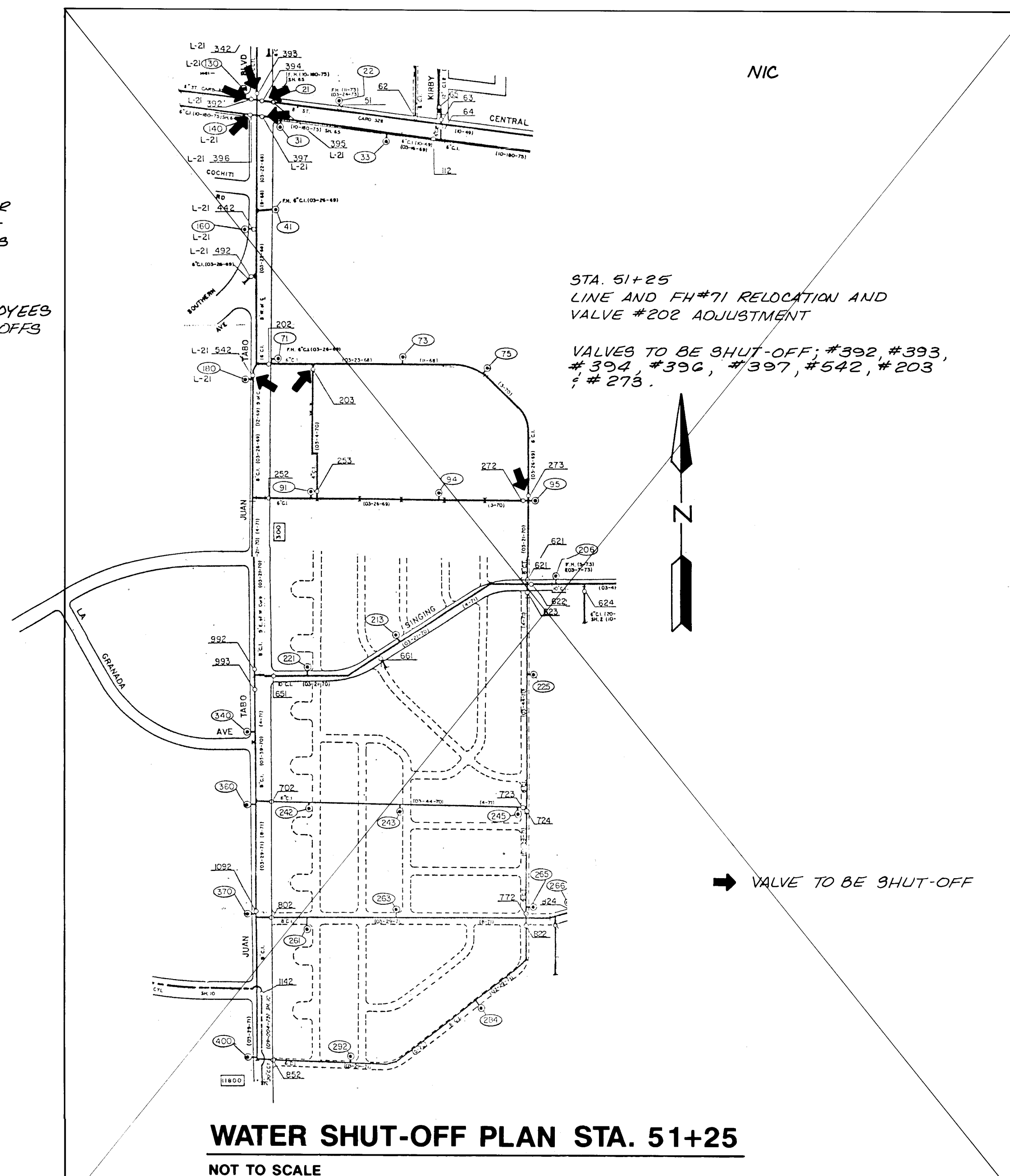
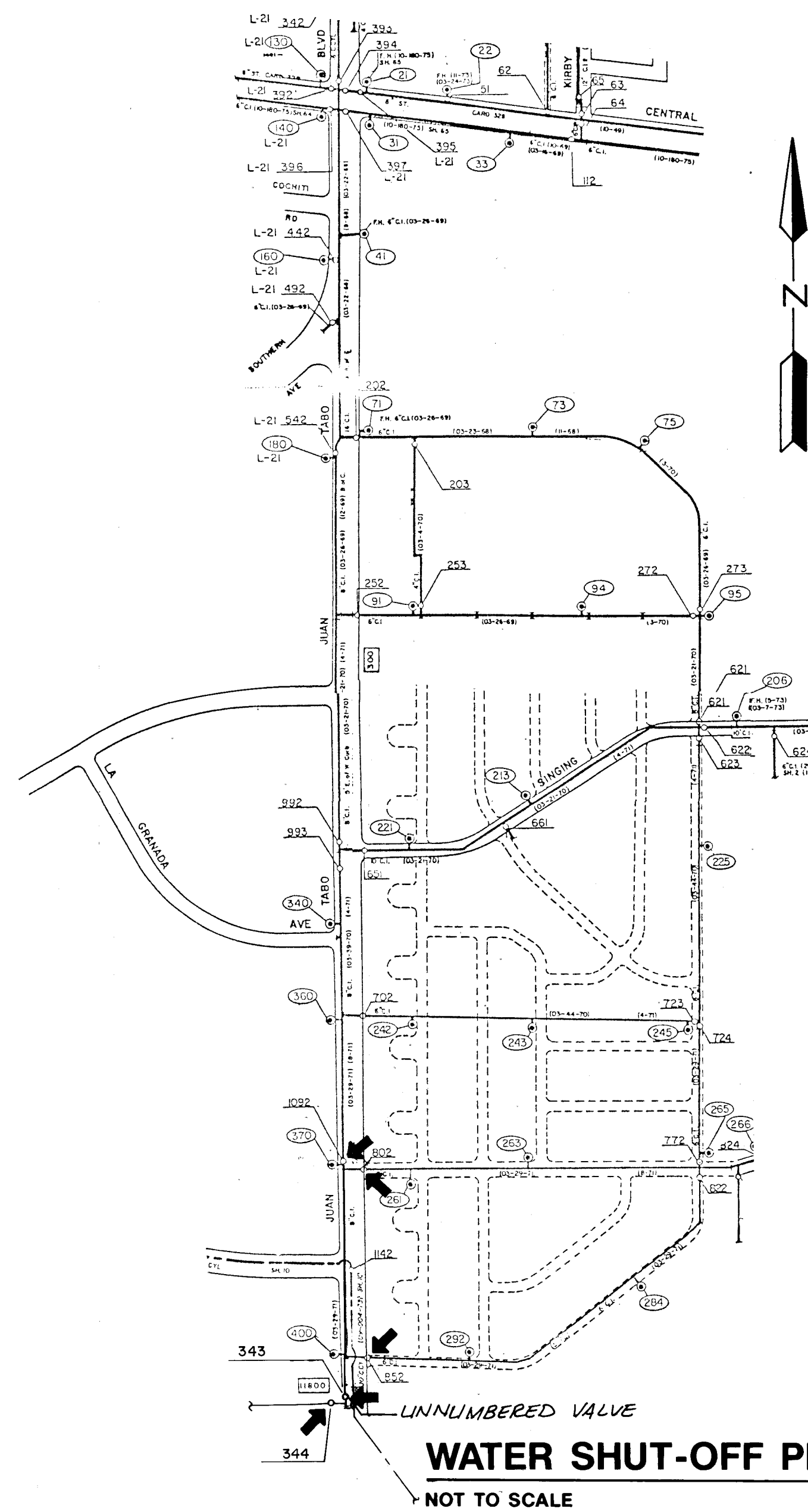
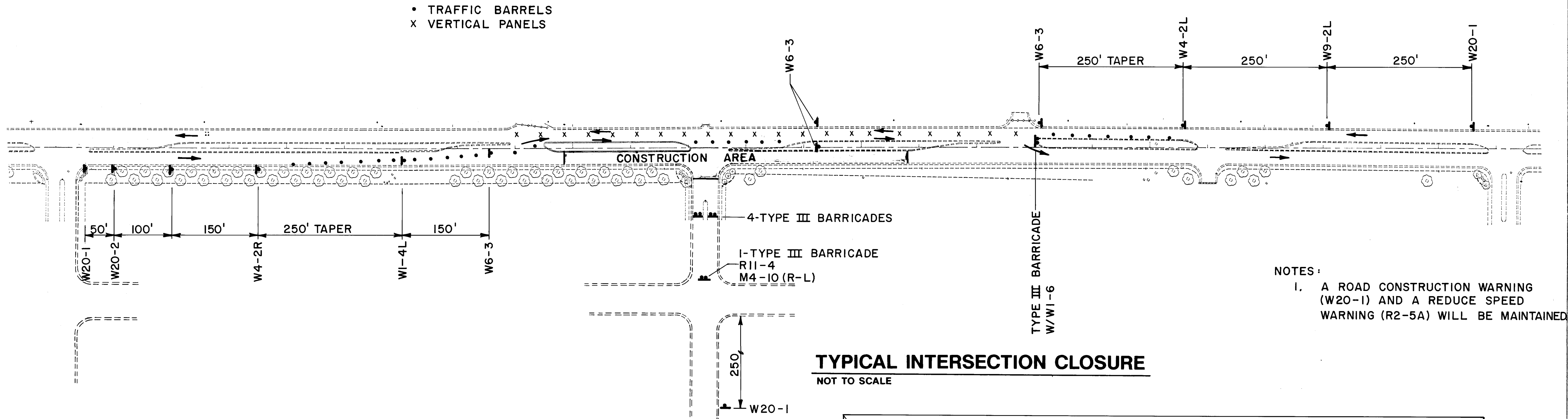
AS BUILT DRAWINGS

HN

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **JUAN TABO STORM DRAIN**
TYPICAL PAVING SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>Roger D. Chair</i>	<i>2-7-90</i>			
Trans. Dev.	<i>A. Pomeroy</i>	<i>2-7-90</i>			
Utility Dev.	<i>R.W. Kane</i>	<i>2-7-90</i>			
Hydrology	<i>Steve Bobry</i>	<i>2-7-90</i>			
DRAWING NO	3599	MAP NO	SHEET	OF	
			8	13	



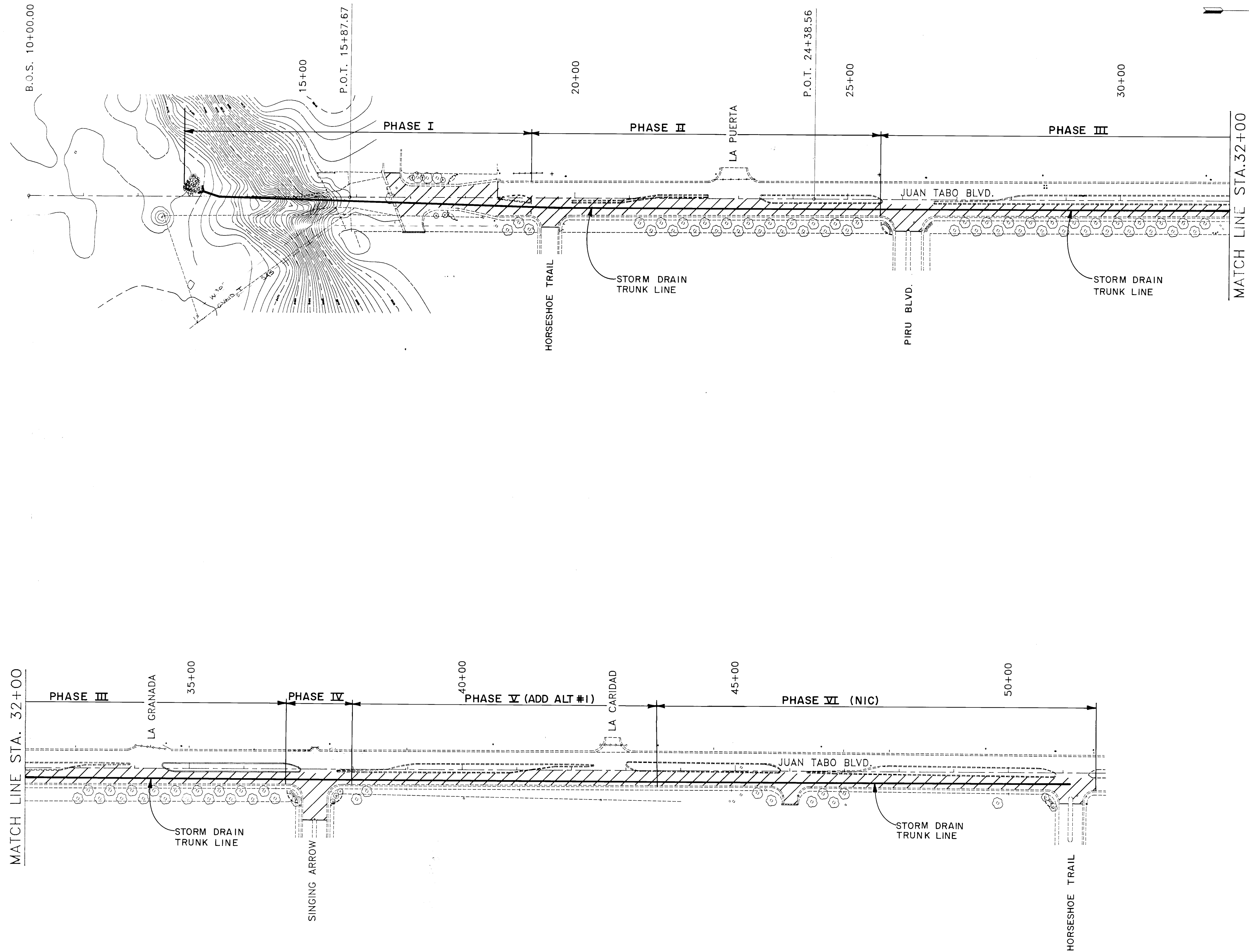
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

AS BUILT
DRAWINGS

HN

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: JUAN TABO STORM DRAIN TRAFFIC CONTROL PLAN & WATER SHUT-OFF PLANS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Raul S. ...	2/7/90			
Trans. Dev.	R. W. ...	2-7-90			
Utility Dev.	R. W. ...	2-7-90			
Hydrology	Steve ...	2-7-90			
DRAWING NO.	3599	MAP NO.	SHEET	9	OF 13

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
		NO.	DATE				
DESIGNED BY DSD		DATE DEC. 1989		CONTRACTOR Albuquerque Underground		WORK DATE 11-19-90	
DRAWN BY PMT		DATE DEC. 1989		CHECKED BY J. Ortega		DATE 11-19-90	
CHECKED BY SFF		DATE DEC. 1989		VERIFICATION BY J. Ortega		DATE 11-19-90	
				CORRECTED BY J. Ortega		DATE 11-19-90	
				MICRO-FILM INFORMATION		RECORDED BY	
						DATE	



GENERAL NOTES:

1. NO MORE THAN ONE STREET OR MOBILE HOME PARK ENTRANCE WILL BE CLOSED AT A TIME.
2. CONSTRUCT CATCH BASINS WEST OF CENTERLINE ONLY AFTER NORTH BOUND LANES OPEN TO TRAFFIC AND THEN BLOCK OFF NO MORE THAN 1/2 OF THE SOUTH BOUND LANES.

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
NO.	DATE	REMARKS	BY	DATE			
1-891	1-891	AS BUILT					
REVISIONS							
DESIGN							
DESIGNED BY:		DSD	DATE:		DEC. 1989		
DRAWN BY:		PMT/JAV	DATE:		DEC. 1989		
CHECKED BY:		SFF	DATE:		DEC. 1989		
CONTRACTOR: Albuquerque Underground STARTED BY: Contractor DATE: 11-19-90 FIELD ACCEPTANCE BY: LA Ortega DATE: 11-19-90 POST-CONSTRUCTION BY: LA Ortega DATE: 11-19-90 CONNECTED BY: Holmes + Narver DATE: 1-8-91 MICRO-FILM INFORMATION RECORDED BY: NO. DATE							

Set A FWD Maps & Records

2	3	4	5	6	7	8	9	10	11	12
26		35	99	10	91					

AS BUILT DRAWINGS

SCALE: 1" = 100'

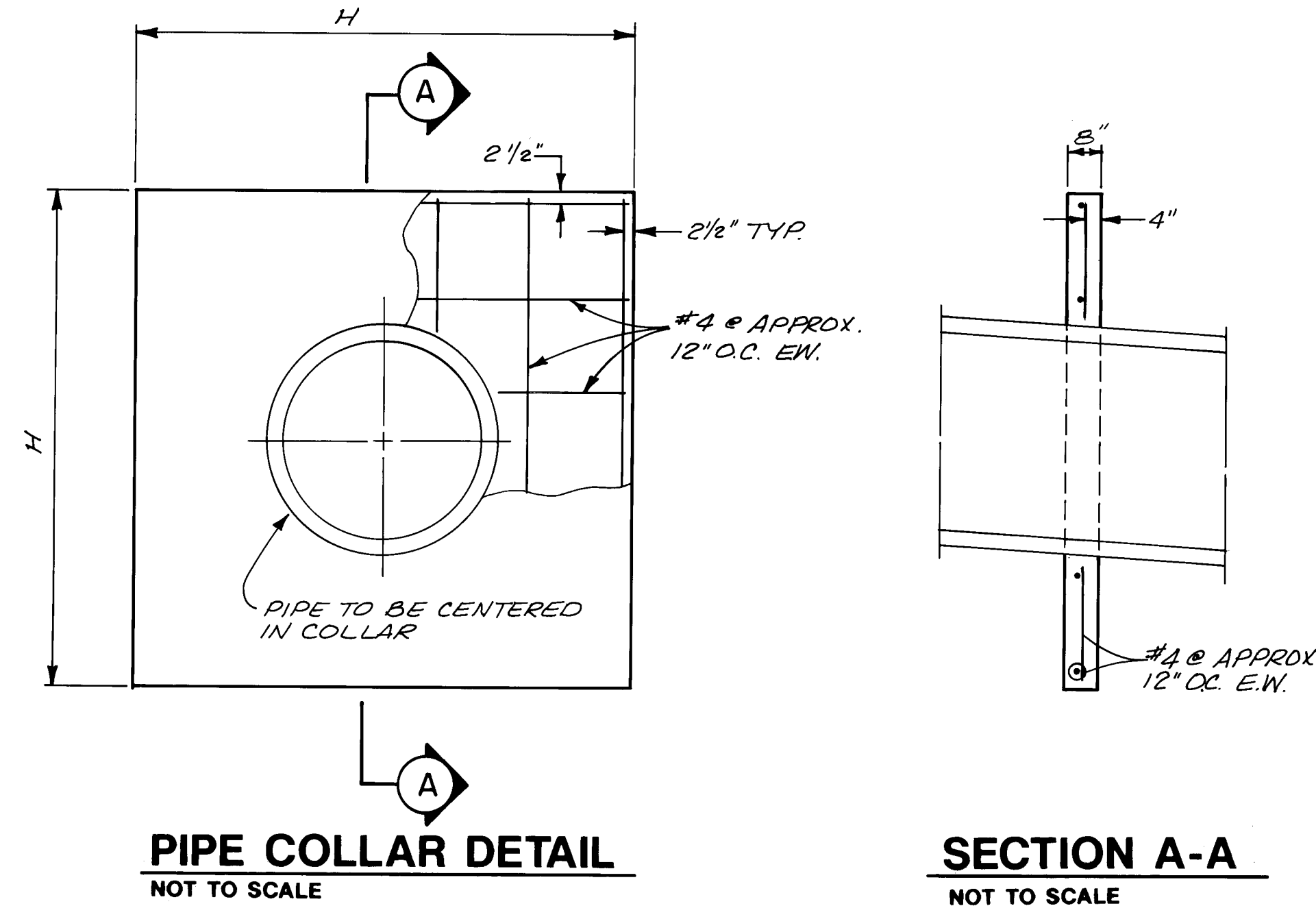
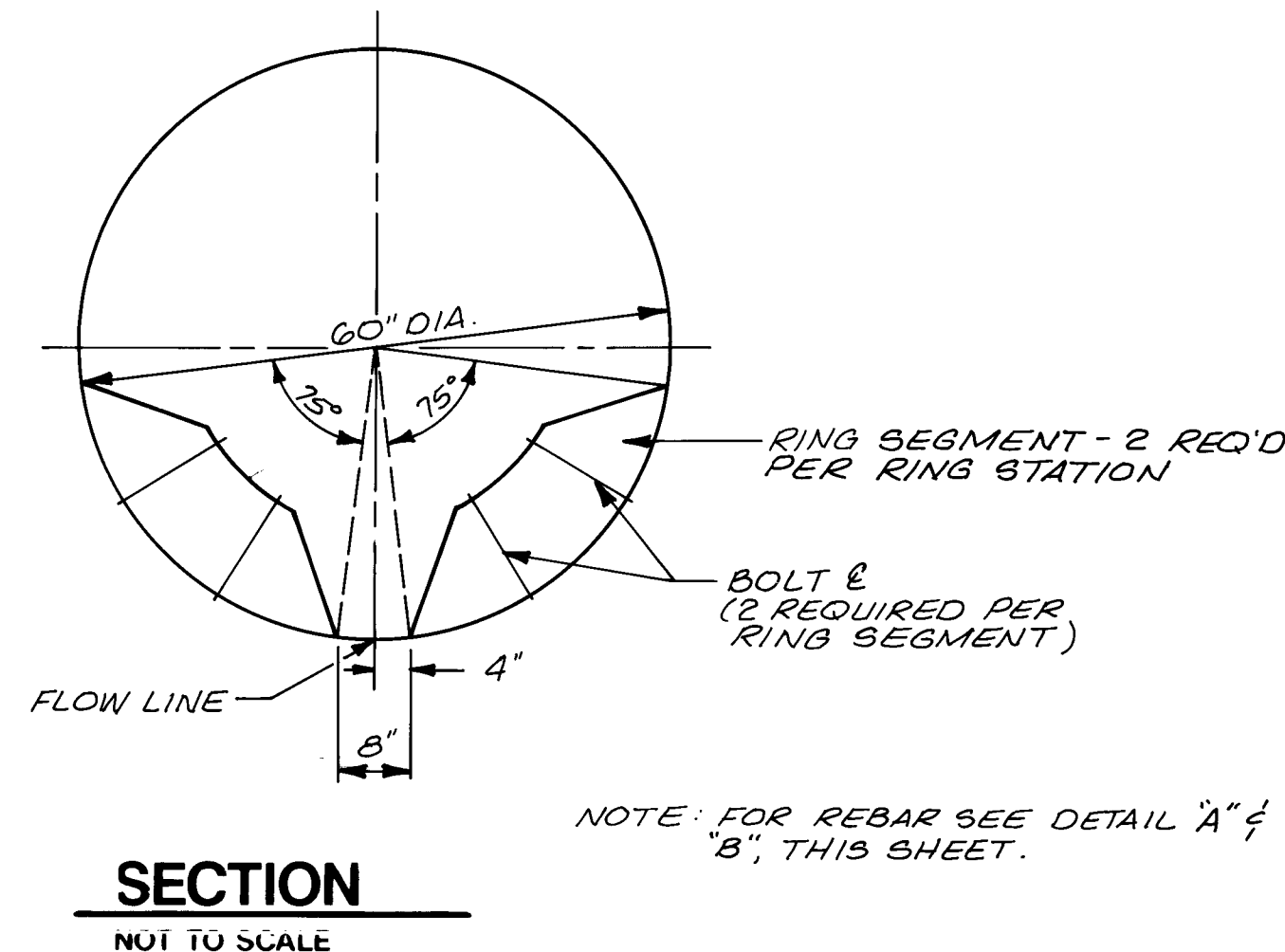
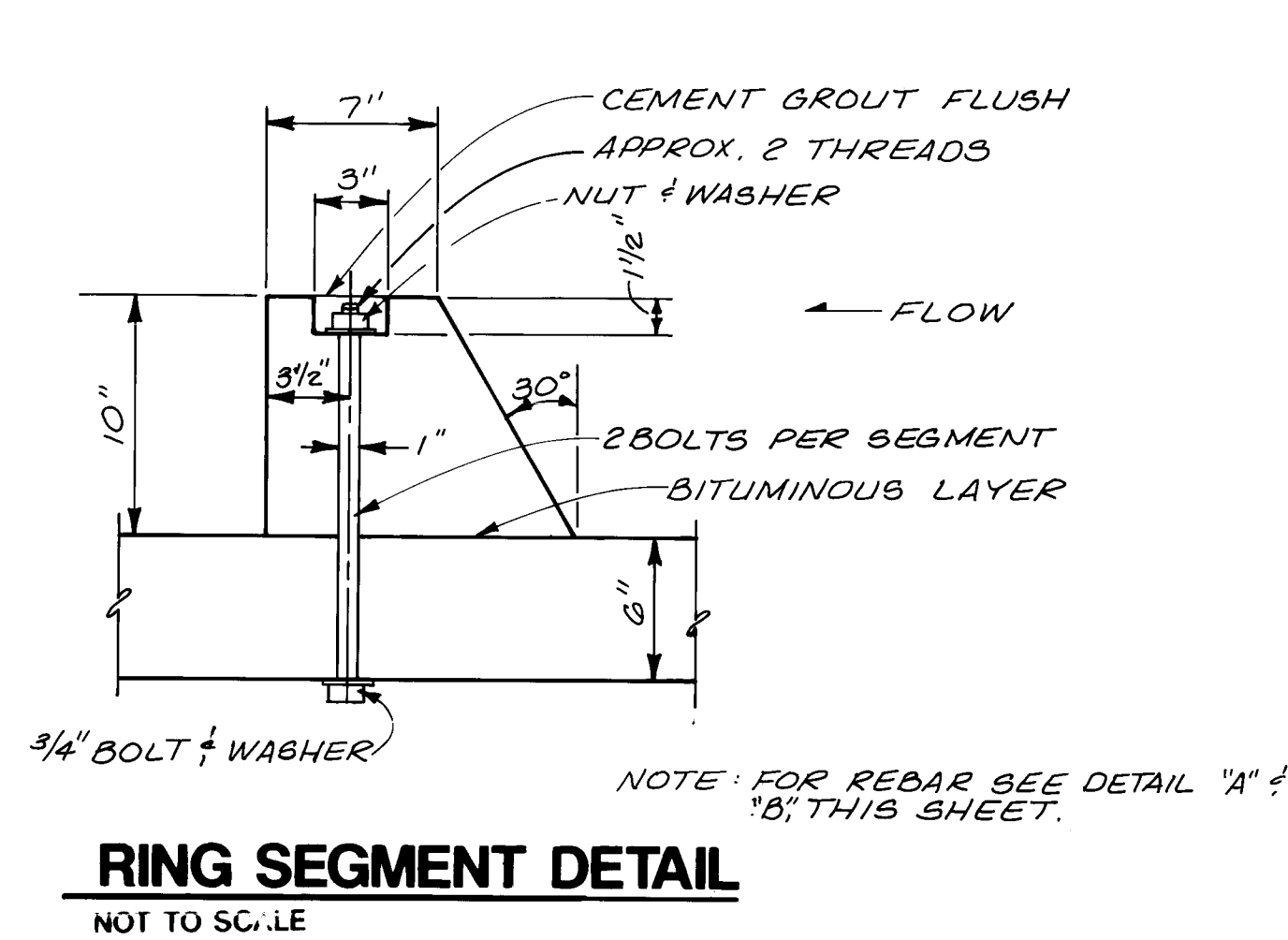
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

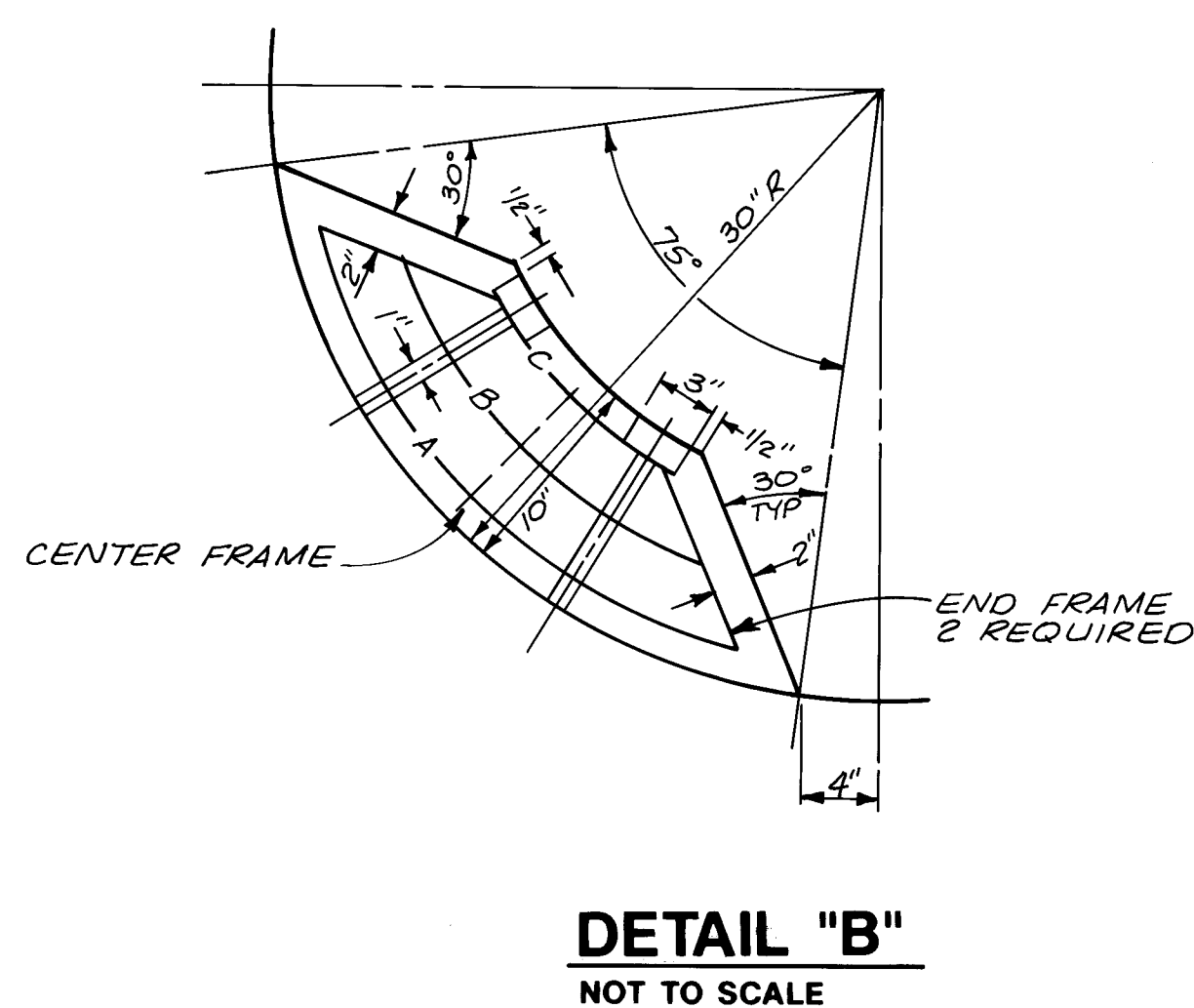
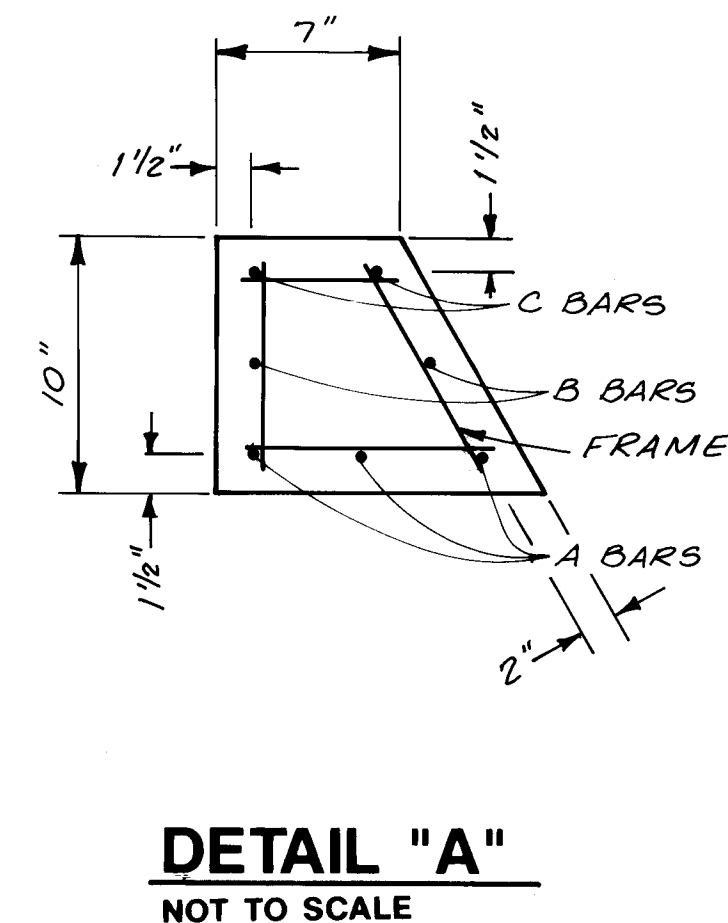
TITLE: **JUAN TABO STORM DRAIN**
SEQUENCE OF CONSTRUCTION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Ronald W. Kane	2/9/90			
Trans. Dev.	R.W. Kane	2-7-90			
Utility Dev.	R.W. Kane	2-7-90			
Hydrology	Steve B. Kane	2-7-90			

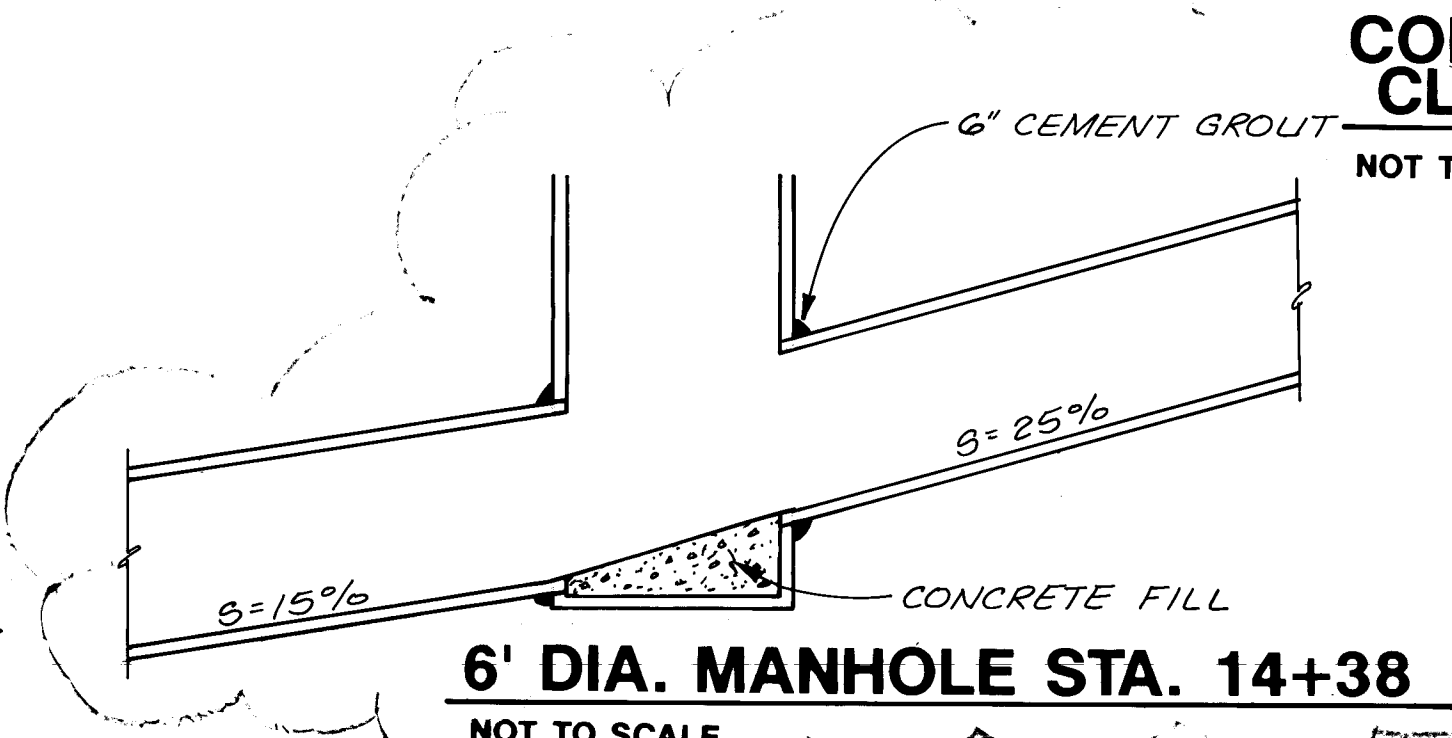
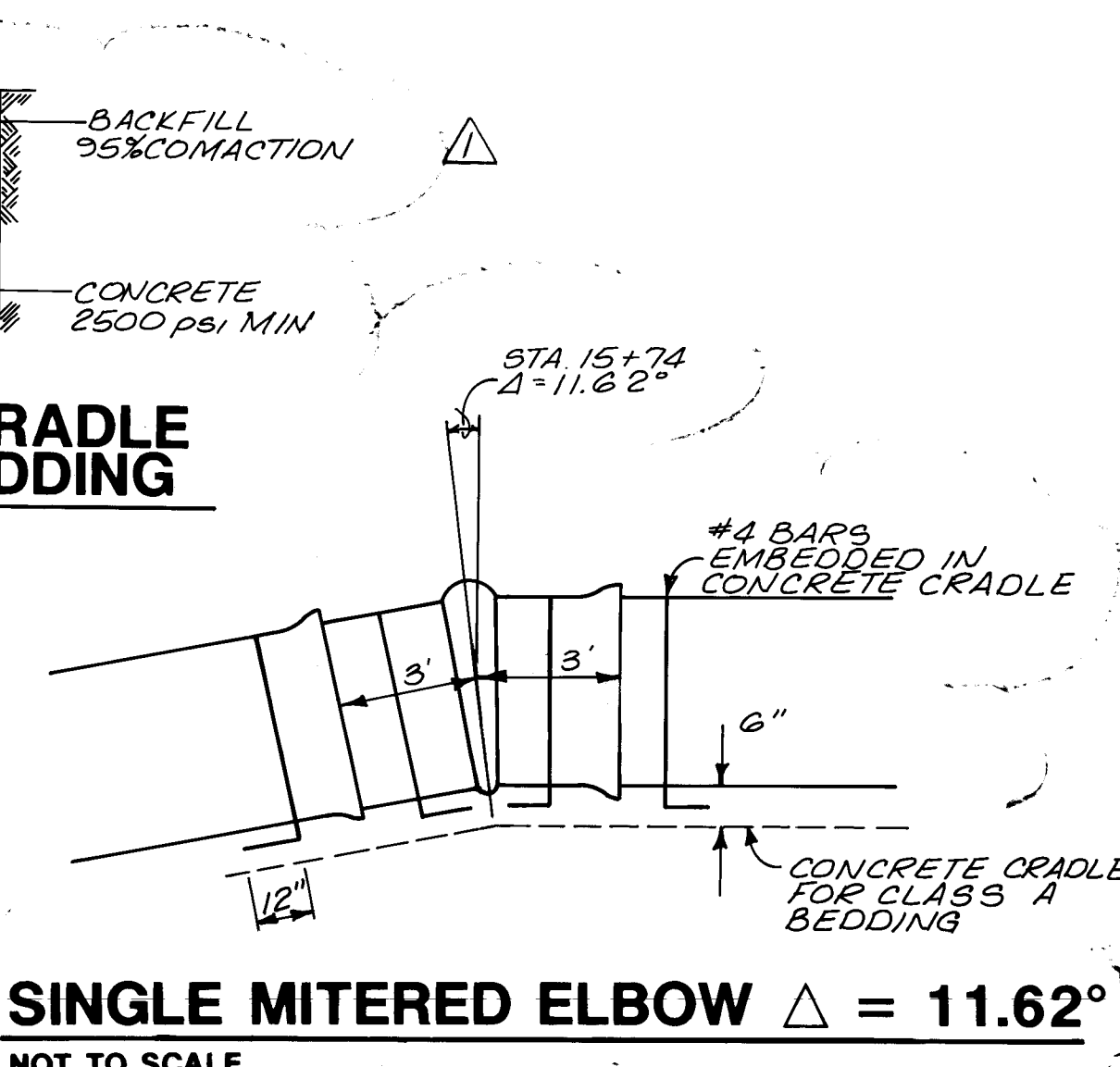
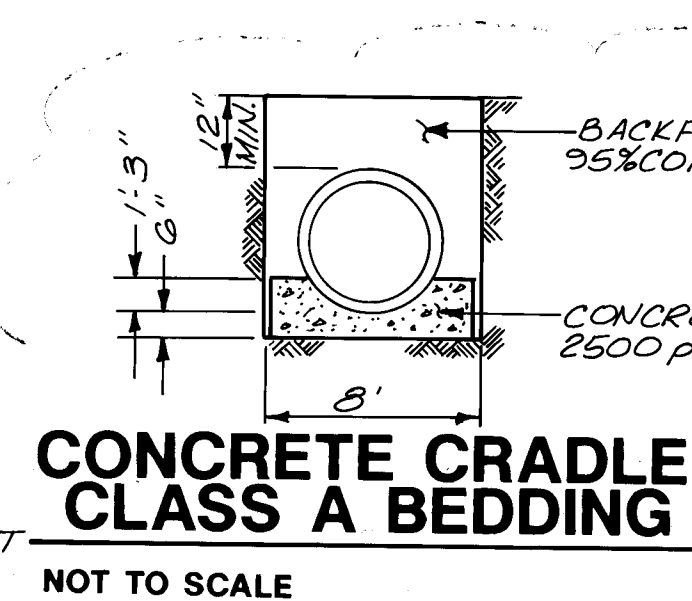
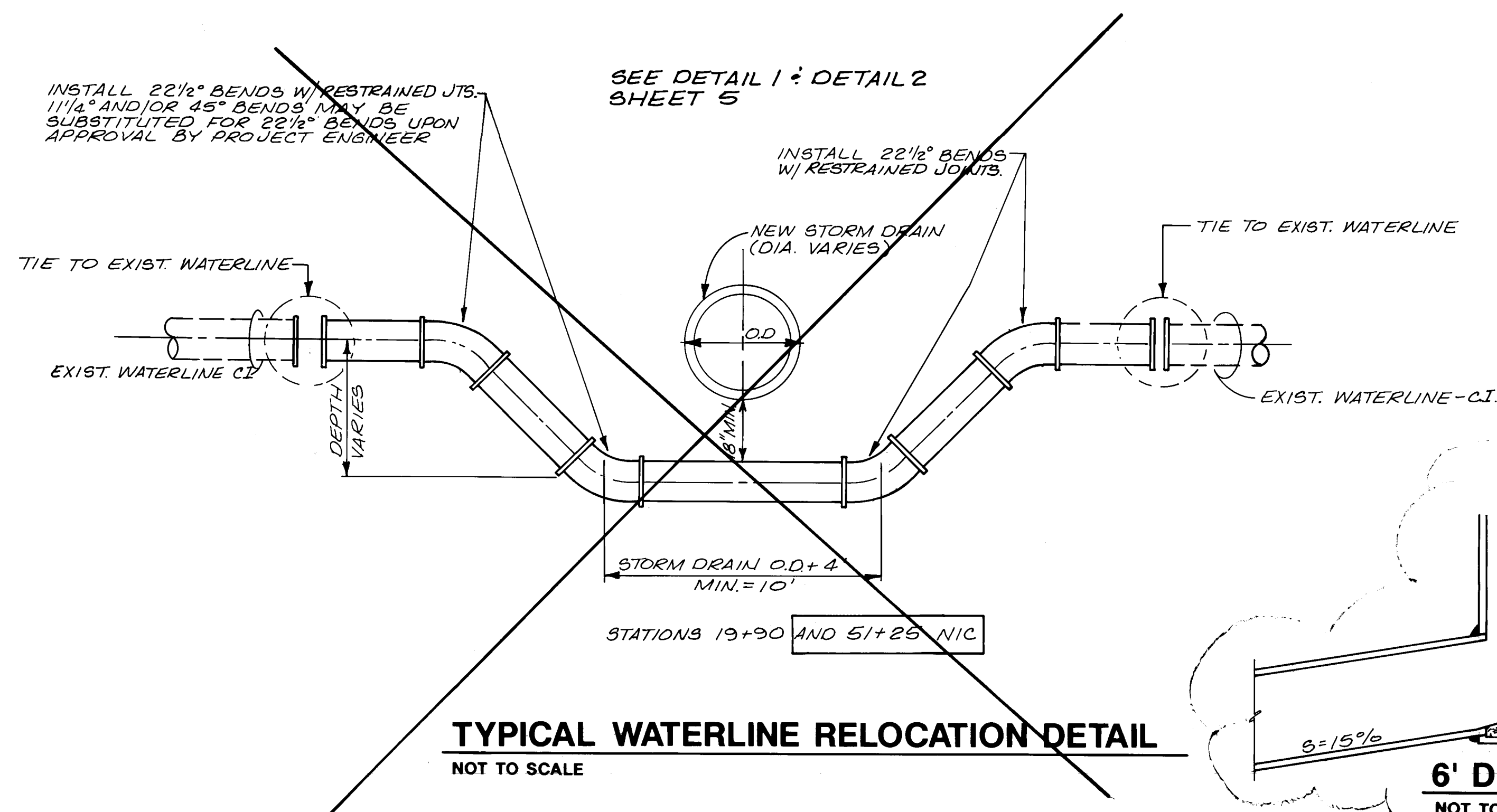
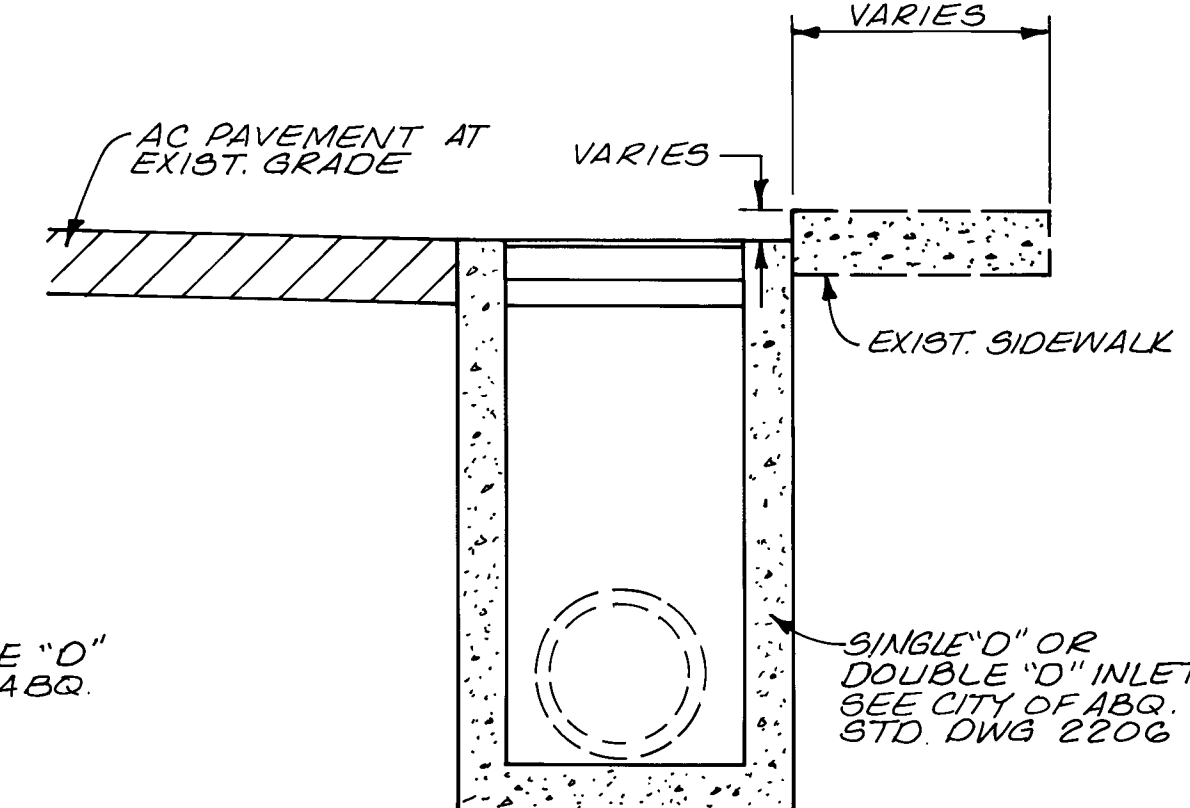
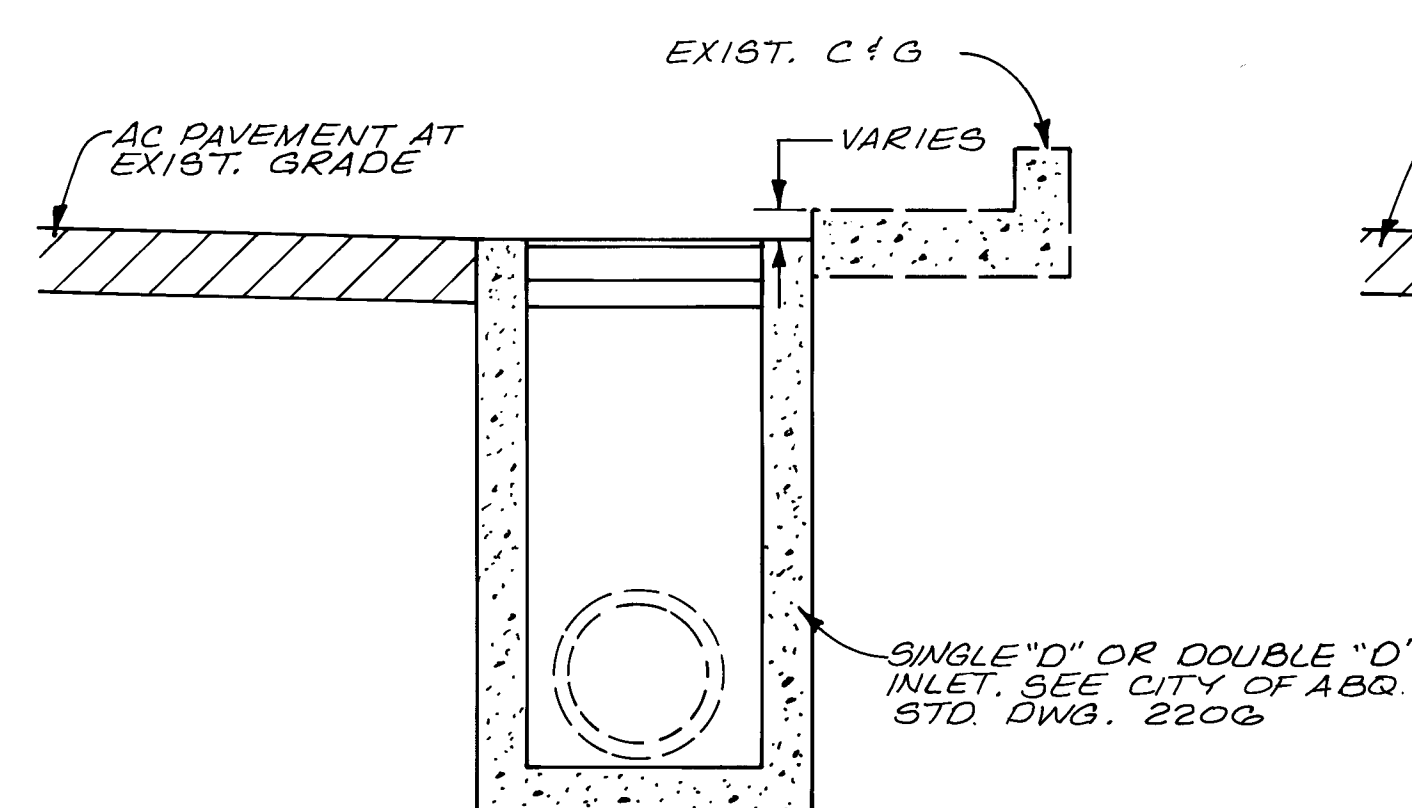
DRAWING NO.	3599	MAP NO.	L-22	SHEET	10	OF	13
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PIPE DIA.	H	REINF. LBS.	CU. YDS. CONC.
48"	10'-0"	120	22
60"	12'-0"	180	29



BAR	SIZE	LENGTH	RADIUS
A	#5	31.6" ±	23.5" ±
B	#5	22.9" ±	25.0" ±
C	#5	14.3" ±	21.5" ±



GENERAL NOTES FOR RING SEGMENTS

- PRECAST FROM 6000 PSI CONCRETE
- FRAMES
 - PROVIDE 3 FRAMES
 - FRAME BARS - #5
 - WIRE OR RESISTANCE WELD FRAME TO THE CURVED BARS TO FORM A CAGE
 - PLACE A FRAME AT EACH END FACE
 - CENTER THE THIRD FRAME
 - MAKE FRAMES FROM EITHER FOUR INDIVIDUAL BARS OR FROM A SINGLE BENT BAR
- ASSEMBLE INTO PIPE SECTIONS ACCORDING TO SHEET 11 AT THE PRE-CAST FACILITY.
- PLACE BITUMINOUS COAT BETWEEN EACH RING SEGMENT AND THE PIPE SECTION.
- PROVIDE BOLT LENGTHS WHICH WILL PERMIT FULL ENGAGEMENT OF ALL NUT THREADS
- GALVANIZE ALL BOLTS, NUTS, AND WASHERS.
- GROUT EACH NUT CAVITY FLUSH WITH CEMENT GROUT.

AS BUILT DRAWINGS

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS
1	12-19-90	ADDED THREE DETAILS

DESIGN

DESIGNED BY DSD **DATE** DEC. 1989
DRAWN BY PMT **DATE** DEC. 1989
CHECKED BY SFF **DATE** DEC. 1989

CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING GROUP

TITLE: JUAN TABO STORM DRAIN

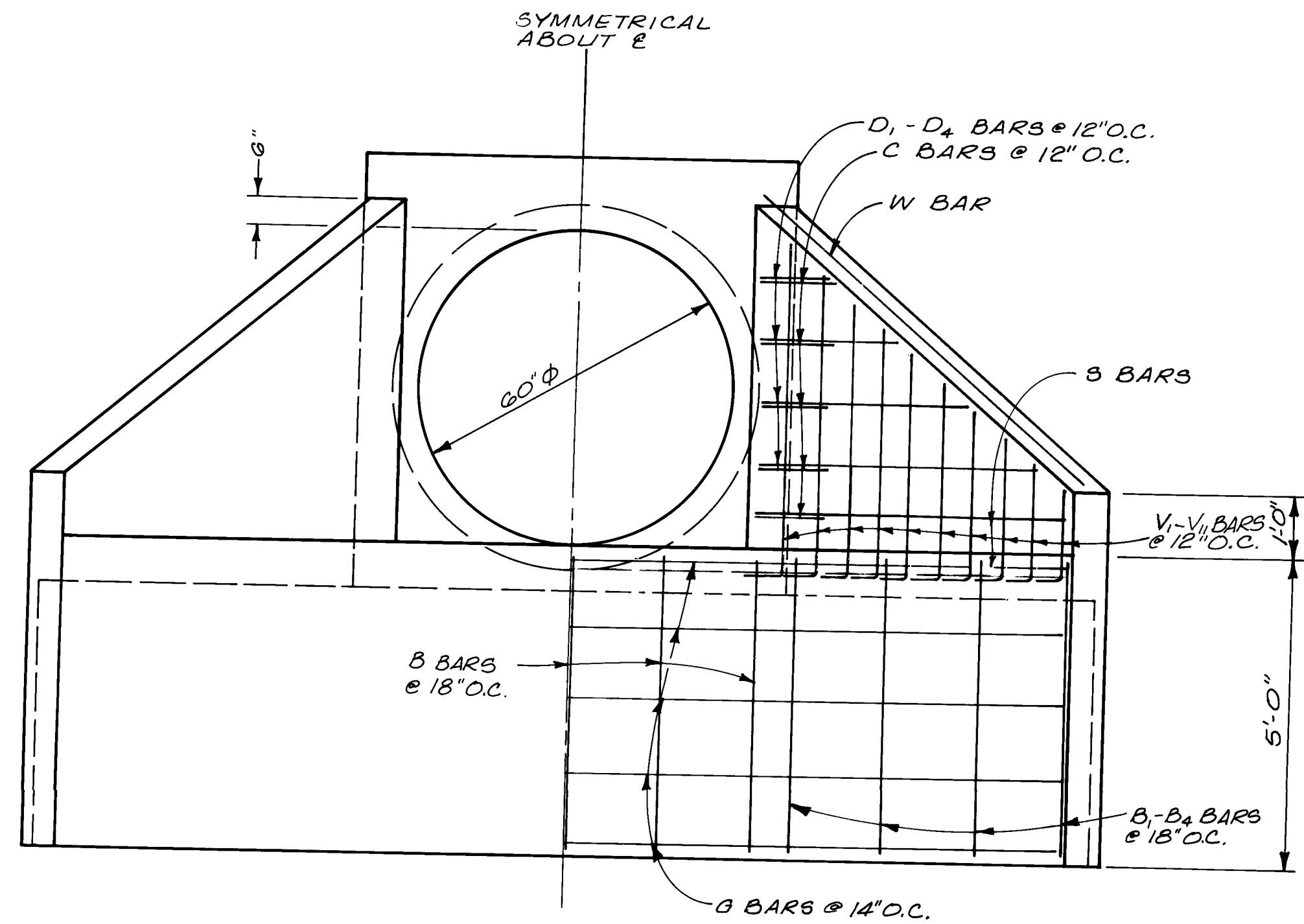
MISCELLANEOUS DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Rogelio	2/19/90			
Trans. Dev	R.W. Kane	2-7-90			
Utility Dev	R.W. Kane	2-7-90			
Hydrology	Stanley	2-7-90			

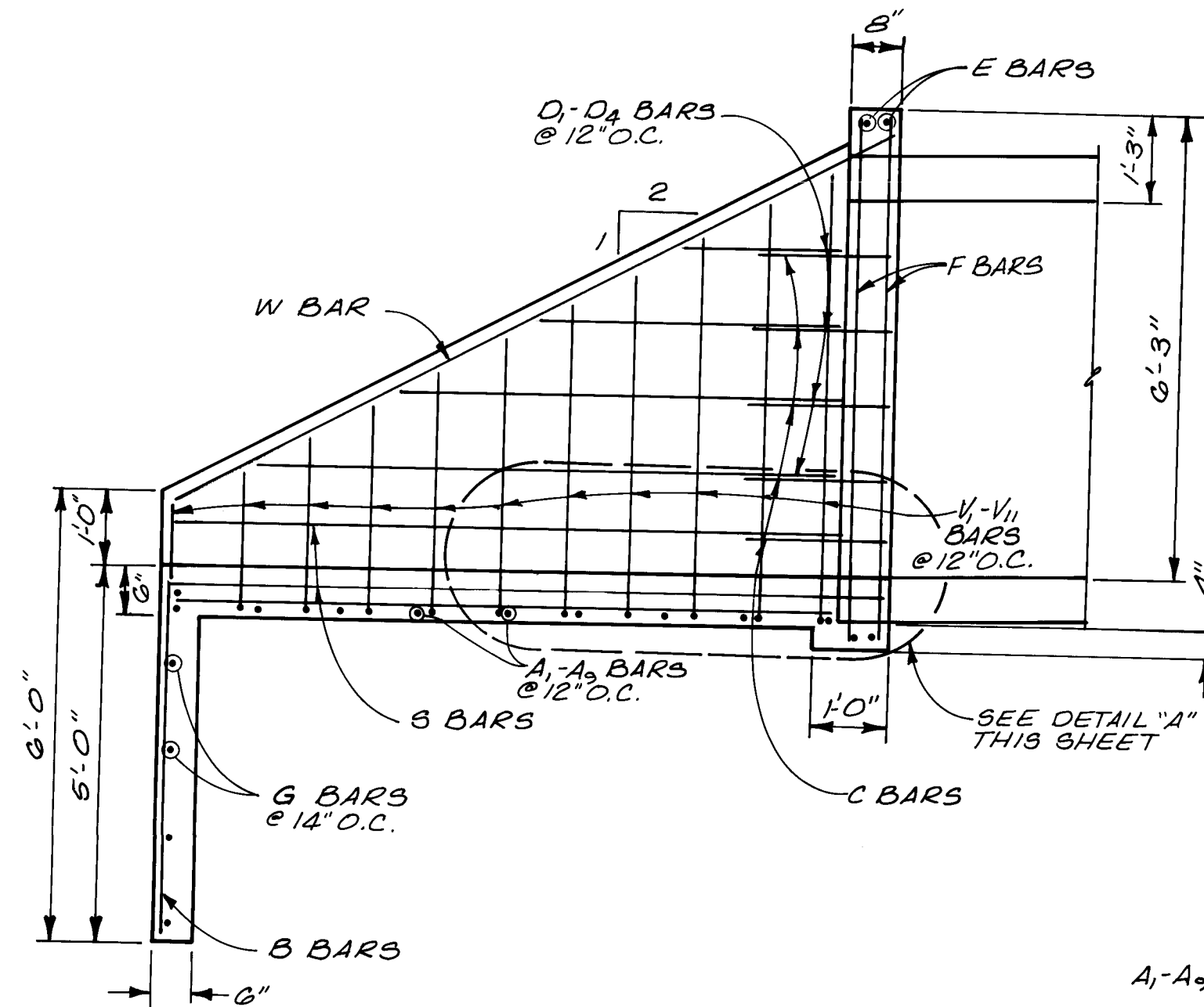
DRAWING NO. 3599

MAP NO.

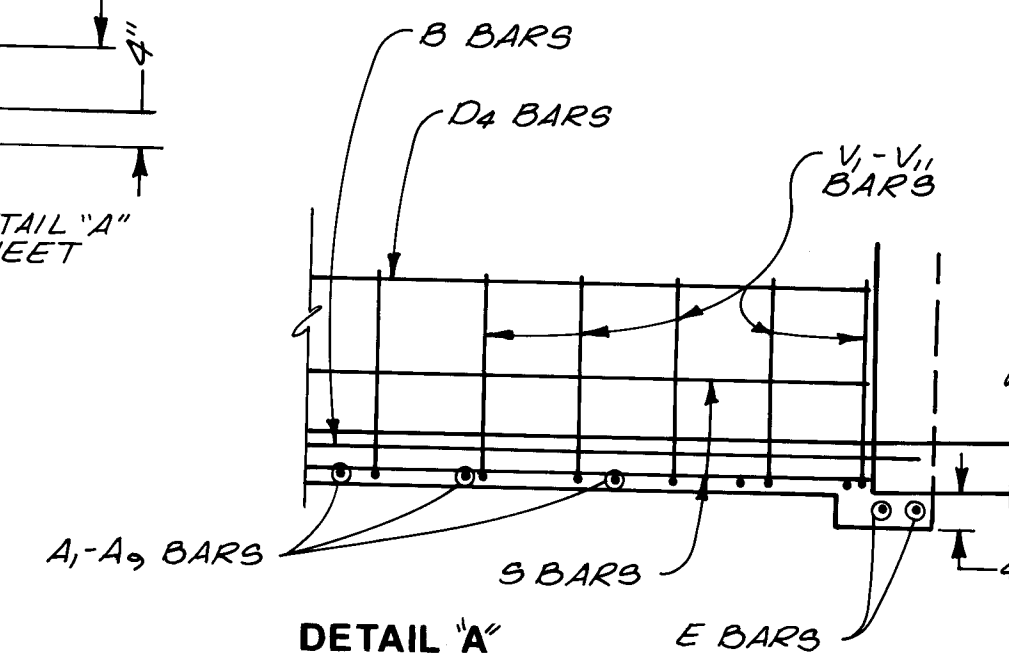
SHEET 12 OF 13



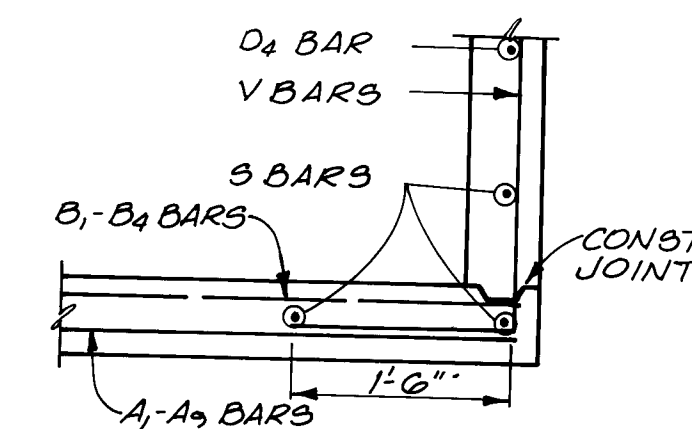
CONCRETE HEADWALL DETAIL
SCALE: 1/2" = 1' - 0"



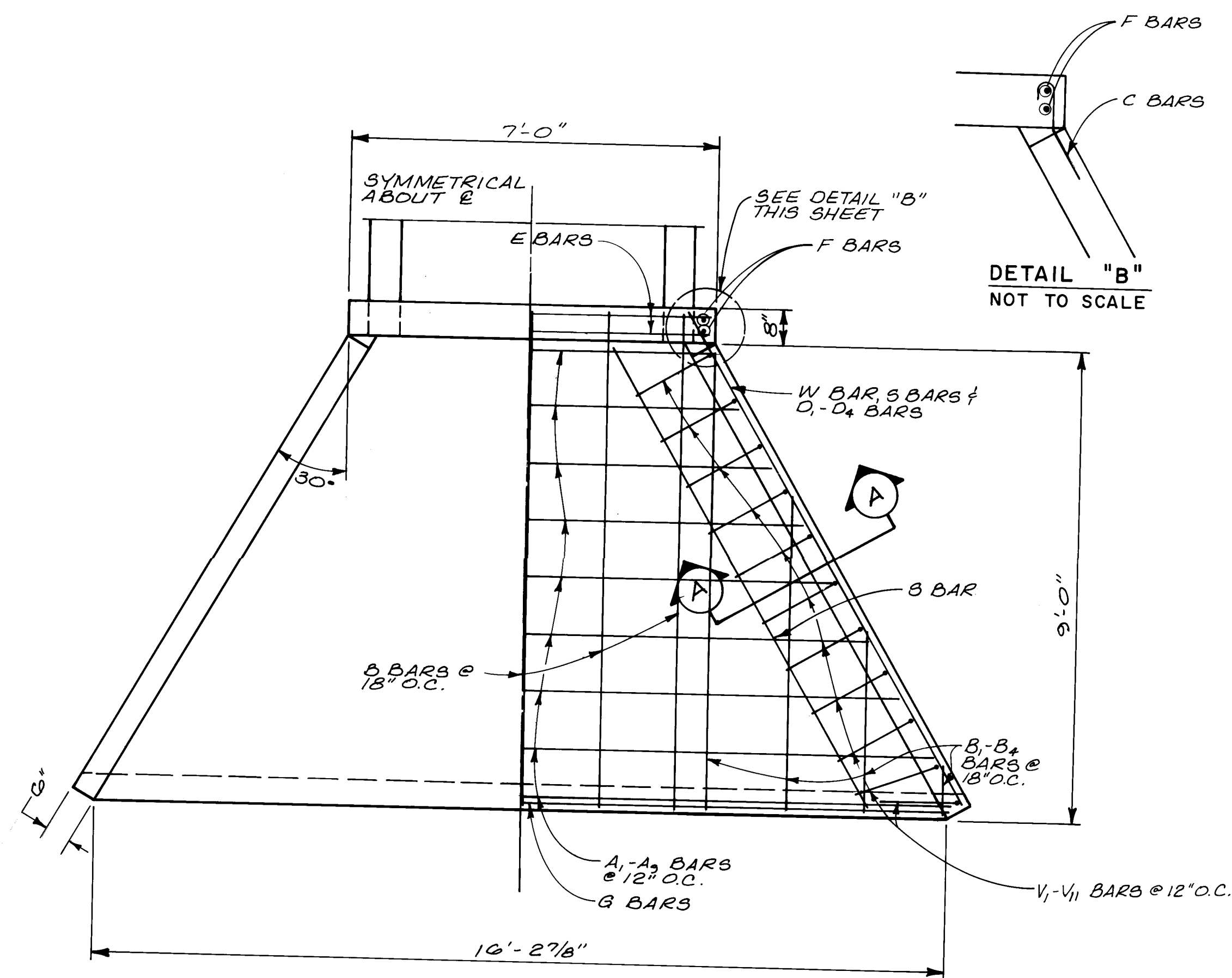
WING ELEVATION
SCALE: 1/2" = 1' - 0"



DETAIL A
NOT TO SCALE



SECTION A
NOT TO SCALE



PLAN
SCALE: 1/2" = 1' - 0"

BARS	SIZE	NO.	LENGTH
A ₁ - A ₉	#4	9	SEE TABLE
B	#3	5	14'-0"
B ₁ - B ₄	#3	8	SEE TABLE
C	#4	10	2'-0"
D ₁ - D ₄	#3	8	SEE TABLE
E	#5	4	6'-8"
F	#5	4	6'-5"
G	#3	5	16'-4"
S	#4	6	9'-11"
V ₁ - V ₁₁	#4	22	SEE TABLE
W	#5	2	11'-8"

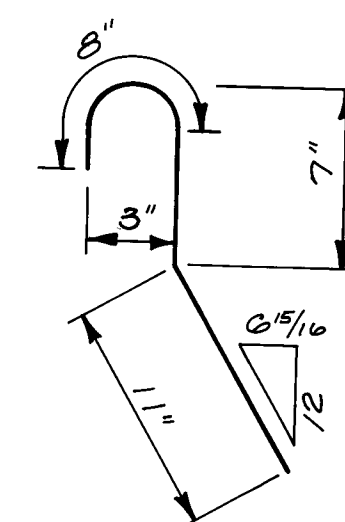
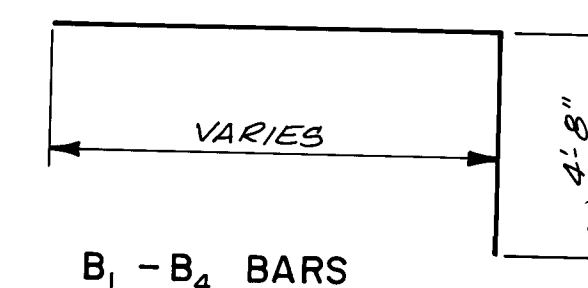
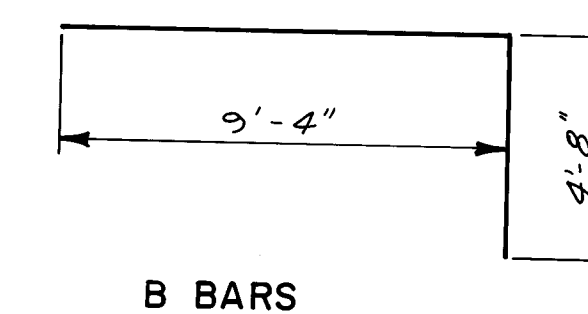
BARS	LENGTH
A ₁	16'-7 3/8"
A ₂	15'-5 1/2"
A ₃	14'-3 5/8"
A ₄	13'-1 3/4"
A ₅	11'-11 7/8"
A ₆	10'-10"
A ₇	9'-8 1/8"
A ₈	8'-6 1/4"
A ₉	7'-4 3/8"

BARS	LENGTH
B ₁	5'-4"
B ₂	7'-11"
B ₃	10'-6"
B ₄	13'-1"

BARS	LENGTH
D ₁	1'-0 3/4"
D ₂	3'-3 3/4"
D ₃	5'-6 1/2"
D ₄	7'-9 1/2"

BARS	LENGTH
V ₁	2'-8 3/4"
V ₂	3'-2"
V ₃	3'-7 1/4"
V ₄	4'-0 1/2"
V ₅	4'-5 3/4"
V ₆	4'-11"
V ₇	5'-4 1/4"
V ₈	5'-9 1/2"
V ₉	6'-2 3/4"
V ₁₀	6'-8"
V ₁₁	7'-1 1/4"

5.11 C.Y. CONCRETE
403 LBS STEEL



C BARS

BAR DETAILS
NOT TO SCALE

- GENERAL NOTES FOR CONCRETE HEADWALL**
1. CHAMFER 3/4" ALL EXPOSED CORNERS.
 2. PLACE REINFORCING STEEL WITH THE CENTER OF THE OUTSIDE LAYER OF BARS 2" FROM SURFACE OF CONCRETE.
 3. CONCRETE $f'_c = 3000$ psi @ 28 DAYS.
 4. REINFORCEMENT: GRADE 60
 5. ALL EXPOSED CONCRETE SHALL BE TINTED. SEE GENERAL NOTES SHEET 2.

C of A PWD Maps & Records
26 3599/1391

AS BUILT
DRAWINGS

HN

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: JUAN TABO STORM DRAIN

MISCELLANEOUS DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	R. W. Kane	2/9/90			
Trans. Dev.	R. W. Kane	2-7-90			
Utility Dev.	R. W. Kane	2-7-90			
Hydrology	Stu. B. B. B.	2-7-90			

DRAWING NO. **3599** MAP NO. SHEET **13** OF **13**