

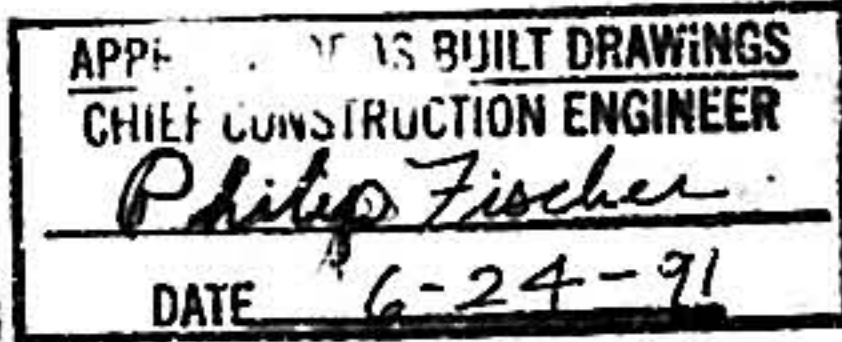
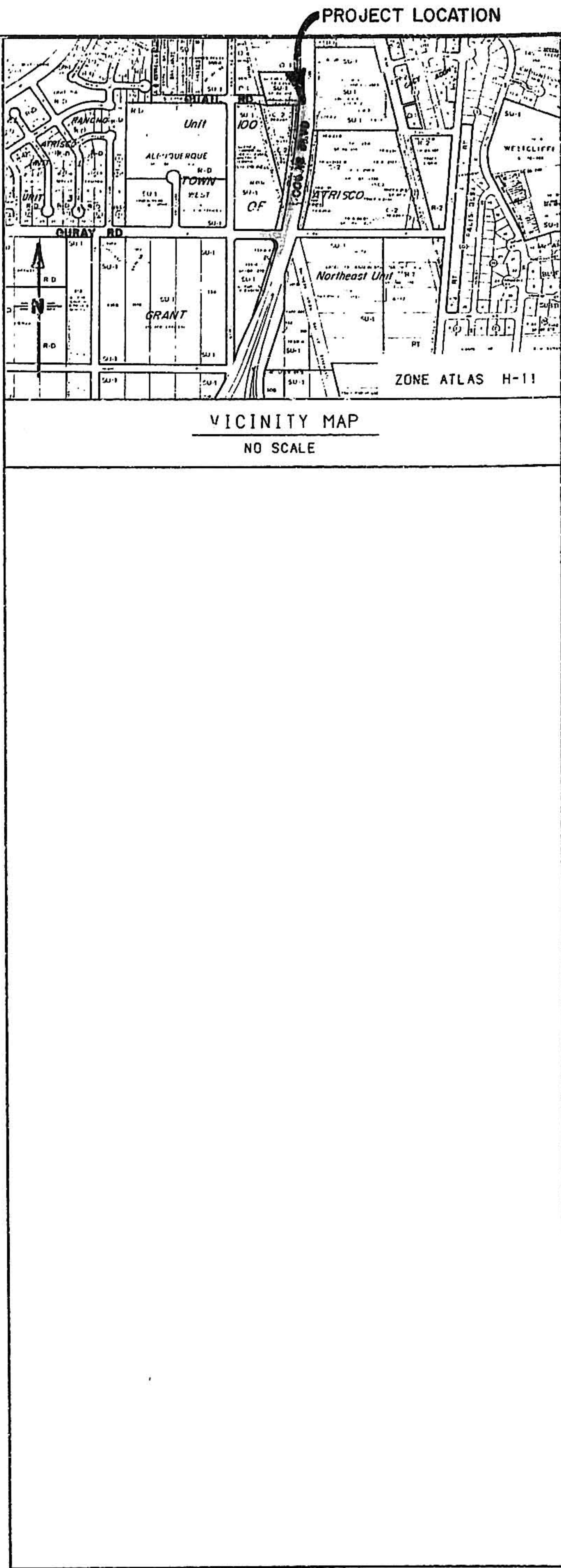
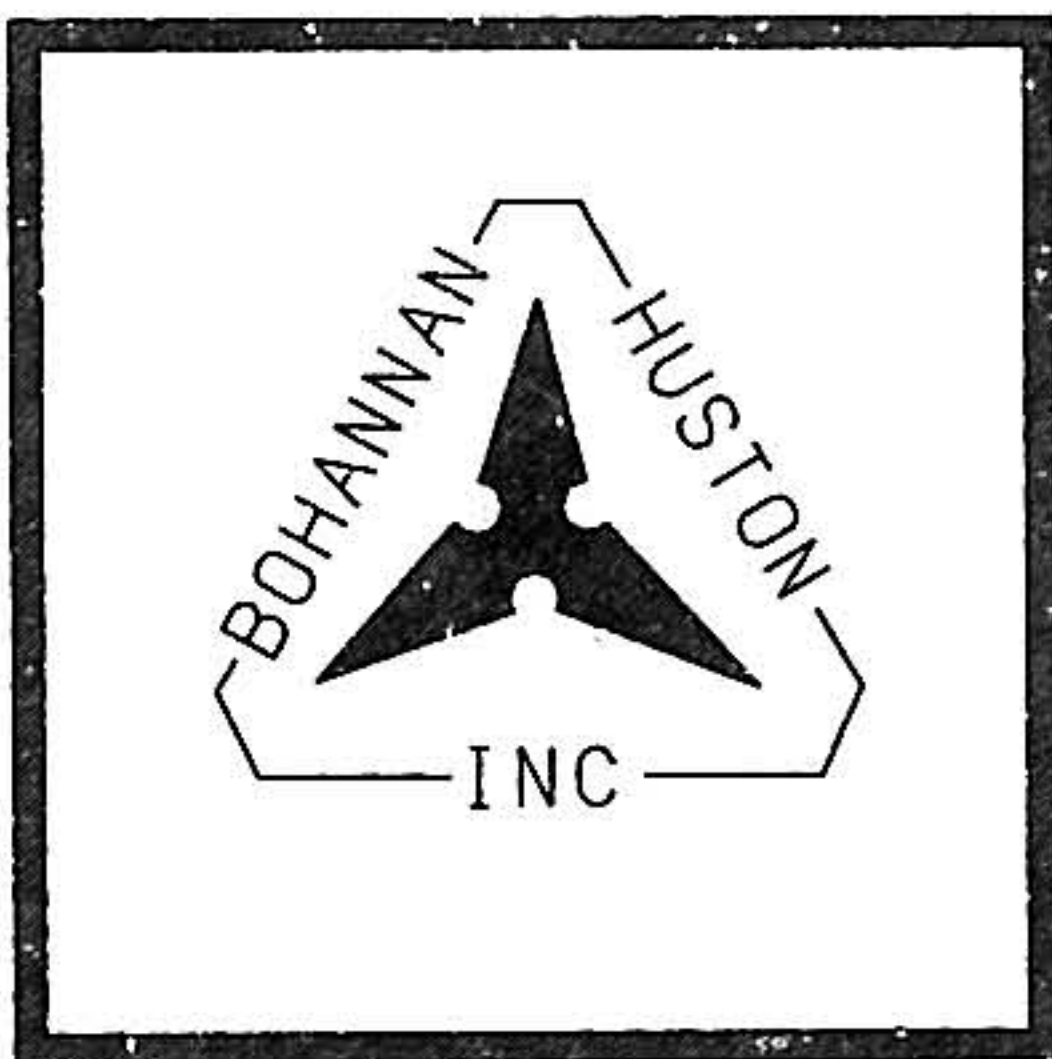
COORS BOULEVARD PAVING
AND
DRAINAGE IMPROVEMENTS

OURAY ROAD TO QUAIL ROAD - WEST SIDE
PUBLIC WORKS DEPARTMENT PROJECT NUMBER 4006.90
ALBUQUERQUE, NEW MEXICO



INDEX

SHEET NUMBER	DESCRIPTION
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3.	CONSTRUCTION SEQUENCING
4.	TYPICAL SECTIONS
5.	COORS BOULEVARD STA. 0+00 TO STA. 12+00
6.	COORS BOULEVARD STA. 12+00 TO STA 19+70
7.	FRONTAGE ROADS PLAN & PROFILE
8.	STORM DRAIN PLAN & PROFILE STA. 0+00 TO STA. 12+00
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10.	COORS BOULEVARD / OURAY ROAD INTERSECTION
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12.	STRIPING PLAN
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14.	TYPICAL LANE CLOSURE DETAILS
15.	MODIFICATION TO SIGNALS COORS BLVD. / QUAIL RD. INTERSECTION
16.	LIGHTING CONDUITS & BASES PLAN
17.	LOOP DETECTOR DETAILS
18.	TYPE "V" STANDARD & BASE DETAILS
19.	TRANSMISSION LINE-CROSSING COORS BLVD. AT OURAY RD.



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
26	40	06	19	01	91									

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
APPROVAL OF REVISIONS							



RECORD DRAWINGS
DATE 6-7-91



BOHANNAN HUSTON INC.
ALBUQUERQUE, NEW MEXICO
ENGINEERS PLANNERS PHOTOGRAMMETRISTS

APPROVED FOR
CONSTRUCTION

Ronald B. Hain
8-10-90 C.E.

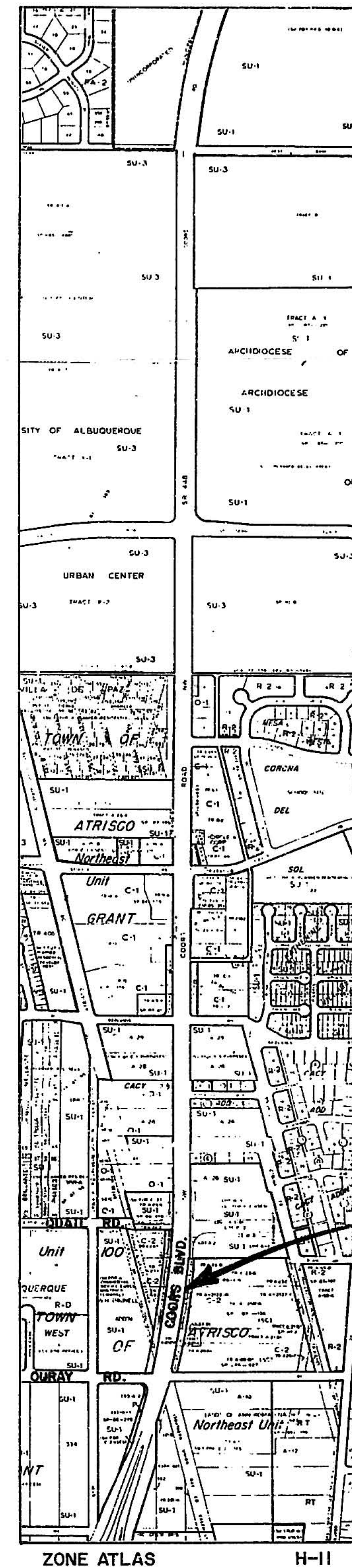
PROJECT NUMBER
4006.90

SHEET 1 OF 19

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT, AND UNLESS STATED OTHERWISE OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS, PUBLIC WORKS CONSTRUCTION, 1986 (REFERRED HEREIN AS "STANDARD SPECIFICATION").
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE-CALL SYSTEM, INC., 240-1990, FOR LOCATION OF EXISTING UTILITIES.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
4. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
5. CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
6. ALL GAS, ELECTRIC, TELEPHONE LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS.
7. IT WILL BE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN IN SERVICE ALL EXISTING UTILITIES.
8. THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR PUBLIC RIGHT-OF-WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES.
9. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, ASPHALTIC PAVING, CONCRETE CURBS AND SIDEWALKS, ETC., SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE FIELD ENGINEER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERE TO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
10. WHEN ABUTTING NEW PAVEMENT TO EXISTING, SAWCUT 1" BELOW SURFACE OF EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE PROJECT ENGINEER, TO REMOVE ANY BROKEN OR CRACKED PAVEMENT.
11. BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
12. ALL TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM 90 % MAXIMUM DENSITY AS PER ASTM D-1557.
- ~~13. CONTRACTOR SHALL COORDINATE WITH THE CITY WATER SYSTEM DIVISION (322-2200) FOR THE EXECUTION OF THE VALVE SHUT-OFF PLAN THREE (3) WORKING DAYS PRIOR TO INITIATING ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER UTILITIES.~~
14. ALL SALVAGED MATERIAL (PIPE, FITTINGS, VALVES, AND OTHER WATERLINE APPURTENANCES) SHALL BE GOVERNED BY THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
15. ANY EXCAVATION WORK IN THE AREA OF THE 12-INCH AND 20-INCH HIGH PRES-SURE GAS LINES SHALL REQUIRE THE PRESENCE OF A GAS COMPANY OF NEW MEXICO REPRESENTATIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CON-TACT THE GAS COMPANY OF NEW MEXICO REPRESENTATIVE, ERMINIO GURULE, AT 345-1877. EMERGENCY NUMBER 345-6058.
16. ALL CATCH BASIN CONNECTOR PIPES SHALL BE CLASS III RCP. ALL STORM SEWER PIPE SHALL BE CLASS IV RCP.
17. MANHOLE STEPS WILL BE INSTALLED IN ALL STORM DRAIN MANHOLES AND JUNCTION BOXES. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO OTHER CONTRACT ITEMS.
18. CONCRETE CUT-OFF WALLS AND ALL TRAFFIC SIGNAL WIRING INCLUDING LOOP DETECTOR WIRE AND PULL WIRES, SHALL BE CONSIDERED INCIDENTAL TO CON-TRACT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.
19. TOP SOIL STABILIZATION IS REQUIRED ON THIS PROJECT AS SHOWN ON THE PLAN AND PROFILE SHEETS AND AS SPECIFIED IN THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS, SECTION 350.
20. SPECIAL ACCESS INFORMATION SIGNS, ALTERNATE ROUTE SIGNS, AND WORKING TIME LIMITATIONS ARE REQUIRED ON THIS PROJECT. SEE CONSTRUCTION SE-QUENCING AND STRIPING & SIGNAL PLAN SHEETS.
21. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL PERMITS (SUCH AS BARRICADING, TOPSOIL DISTURBANCE AND EXCAVATION PERMITS) NECESSARY FOR THIS PROJECT PRIOR TO COMMENCING CONSTRUCTION.
22. ALL SUBGRADE PREPARATION SHALL BE COMPACTED TO 95% UNLESS NOTED OTHER-WISE.
23. ALL SAWCUT PAVEMENT SHALL HAVE A UNIFORM EDGE AND BE SPRAYED WITH TACK.
24. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
25. TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER DURING CONSTRUCTION.
26. SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CON-STRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED. WHEELCHAIR RAMPS TO INCLUDE BOLLARDS WHERE SHOWN.
27. ALL STORM DRAIN FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEP-TANCE.
28. THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION.
29. 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 ELEVATIONS 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.

LEGEND

- | | |
|-------|---------------------------------|
| —SD— | STORM DRAIN |
| —SAS— | SANITARY SEWER |
| —●— | STORM DRAIN MANHOLE |
| —○— | STORM DRAIN INLET |
| —○— | SANITARY SEWER MANHOLE (EXIST.) |
| —○— | GAS |
| —W— | WATER |
| —○— | FIRE HYDRANT |
| —UT— | UNDERGROUND TELEPHONE |
| —OHE— | OVERHEAD ELECTRIC |
| —○— | LIGHTING (BY OTHERS) |



ZONE ATLAS H-11
VICINITY MAP

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 1 1 0 0 6 1 9 0 2 9 1

F.H.W.A. Region No.	NEW MEXICO	SHEET NO.	TOTAL SHEETS
6		2	19

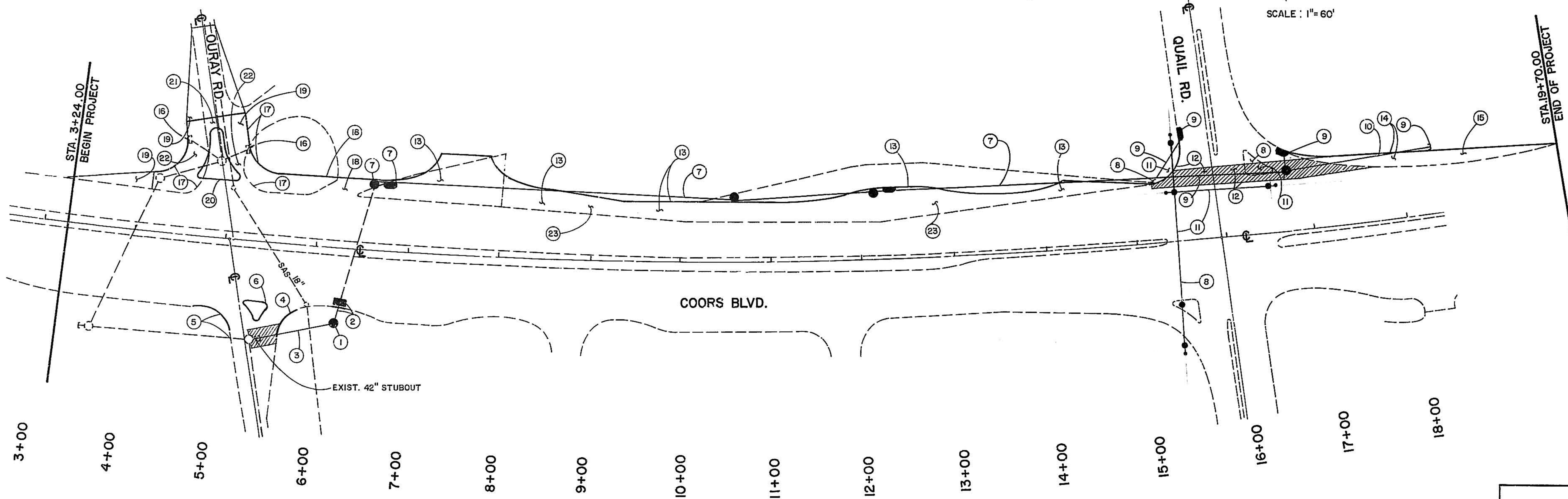
AS-BUILT INFORMATION				MICRO-FILM INFORMATION			
CONTRACTOR	DATE	INSPECTOR	DATE	RECORDED BY	DATE	NO.	
CC 77	1/91	CC 77	1/91				
WORKED BY	DATE	ACCEPTANCE BY	DATE				
FLUSH WITH THE TOP OF THE MEDIAN		VERIFICATION BY	DATE				
CURB LOCATED IN THE NORTH MEDIAN		RECORDED BY	DATE				
NOSE WITHIN THE CURB BLVD./SEQUOIA							
ROAD INTERSECTION.							

ENGINEER'S SEAL				REVISIONS			
[Signature]				NO.	DATE	BY	DATE
[Signature]				DESIGNED BY	DATE	CHECKED BY	DATE



RECORD DRAWINGS
DATE 6-7-91

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: COORS WIDENING VICINITY MAP, LEGEND & GENERAL NOTES			
APPROVALS	ENGINEER	DATE	APPROVALS
DRC CHAIRMAN	R. W. Kane	8/21/90	WATER
TRANSPORTATION	R. W. Kane	8/21/90	WASTE WATER
HYDROLOGY	R. W. Kane	8/21/90	
DRAWING NO.	4006.90	MAP NO.	H-11
		SHEET	2
		OF	19



CONSTRUCTION SEQUENCING

- PHASE A**
1. Build manhole @ NE corner of intersection. Connect manhole to existing 42" storm drain crossing Coors Blvd.
 2. Build Catch Basin right and connect to new manhole.
 3. Build 42" RCP storm drain from new manhole to existing manhole in Ouray, East of Coors.
 4. Rebuild portion of NE curb return disturbed during storm drain installation. Replace pavement in Ouray.
 5. Build SE curb return.
 6. Build right in/right out island.
- PHASE B**
7. Build storm drain system from Station 6+59 to Station 15+00 on the west side of Coors Blvd.
 8. Build Temporary Signals across Quail west of Coors Blvd. and across Coors south of Quail Rd. Make temporary signals operational and remove existing signals on West side at the SW curb return and the right turn (south bound) island.
 9. Build storm drain system from Sta. 15+00 to Sta. 18+50 and install end plug at Station 18+50.
 10. Build 2" water irrigation line from Station 15+25 to 18+50.
 11. Modify existing signals. Make new signal system operational.
 12. Replace pavement removed during the Storm Drain construction in Quail/Coors intersection. Rebuild SW curb return and signal appurtenances. Rebuild right turn island and signal appurtenances.
 13. Build new curb & gutter and pavement from Sta. 6+59 to Sta. 15+21 and Quail frontage road.

- PHASE C**
14. Build new curb & gutter and pavement from Sta. 16+72 to Sta. 18+50.
 15. Build Temporary Pavement taper from Sta. 16+72 to Sta. 18+50.
- PHASE D**
16. Remove the two existing type "D" catch basins and replace with single "A" catch basins.
 17. Remove the existing SW and NW curb returns. Build new curb returns and one lane of new pavement adjacent to the returns.
 18. Build new curb & gutter and new pavement from Sta. 5+54 to 6+59.
 19. Build temporary pavement tapers.
- PHASE E**
20. Build new right in/right out island.
 21. Remove existing pavement in Ouray from Sta. 18+66 to Sta. 19+49.
 22. Build remainder of new pavement in Coors/Ouray intersection.
 23. Stripe new pavement, Sta. 3+34 to Sta. 19+45

FHWA Region No.	NEW MEXICO	SHEET NO.	TOTAL SHEETS
6		3	19

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RECORD DRAWINGS
DATE 6-7-91

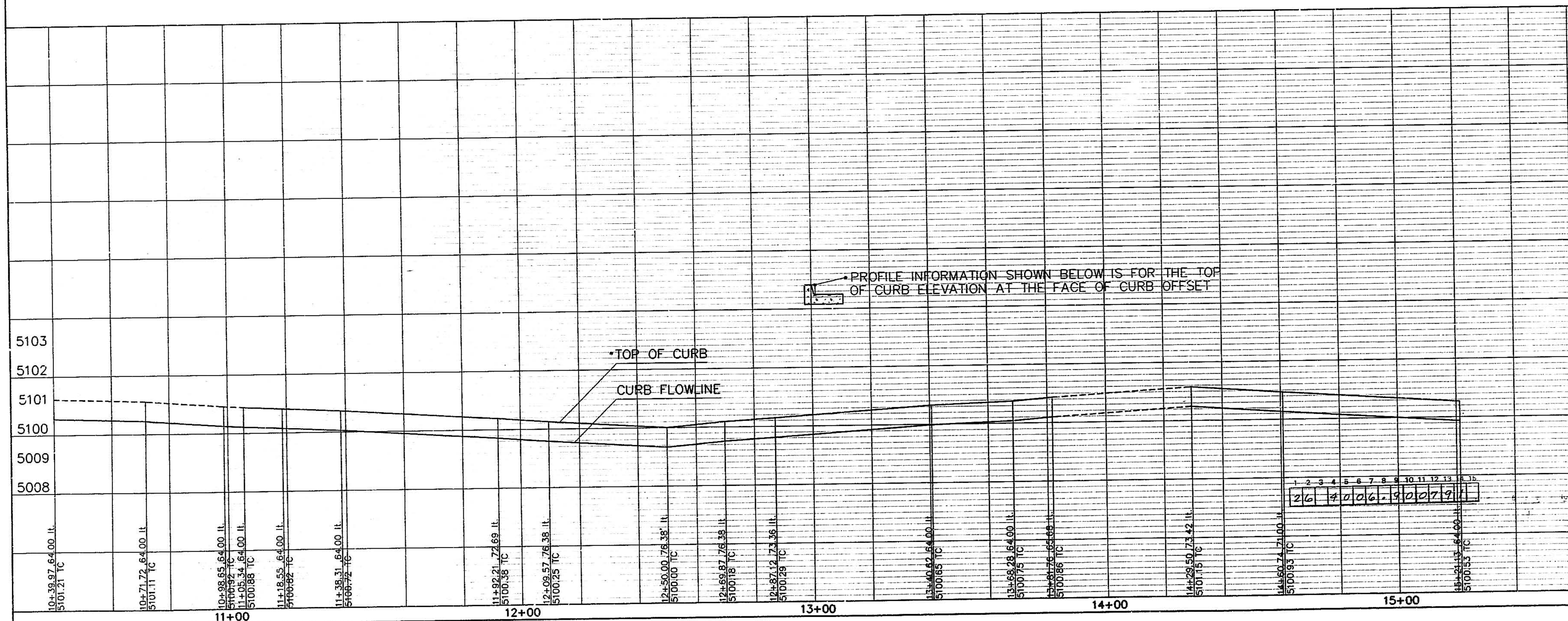
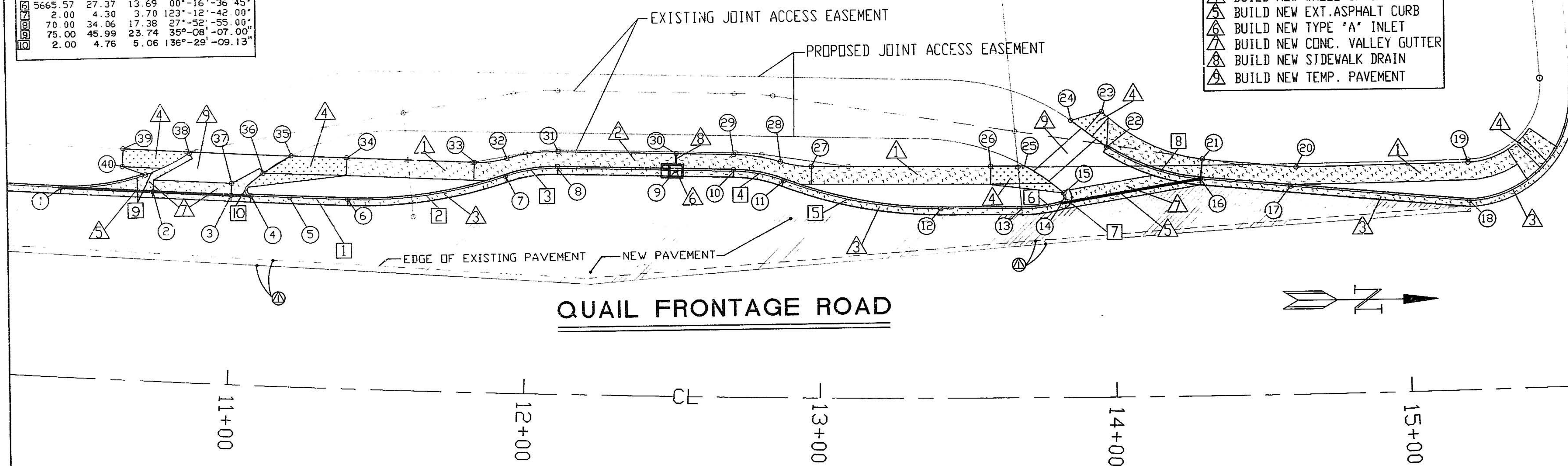
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: COORS WIDENING CONSTRUCTION SEQUENCING					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	R.W. Kane	8/22/90	WATER	R.W. Kane	8-21-90
TRANSPORTATION	R.W. Kane	8-17-90	WASTE WATER	R.W. Kane	8-21-90
HYDROLOGY	R.W. Kane	8/17/90			
DRAWING NO.	4006.90	MAP NO.	H-11	SHEET	3 OF 19

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
26	1	0	0	4	9	0	0	3	9	1				

DRAWING NO.	4006.90	MAP NO.	H11	SHEET	4	OF	19
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#	RAD.	LEN.	TAN.	DELTA
1	5665.57	97.24	48.62	00°-59'-00.19"
2	150.00	56.85	27.22	20°-34'-09.06"
3	50.00	17.91	9.05	20°-31'-24.05"
4	50.00	17.38	8.78	19°-54'-57.64"
5	150.00	53.97	27.28	20°-36'-54.07"
6	5665.57	27.37	13.69	00°-16'-36.45"
7	2.00	4.30	3.70	123°-12'-00.00"
8	70.00	34.06	17.38	22°-52'-55.00"
9	75.00	45.99	23.74	359°-08'-00.00"
10	2.00	4.76	5.06	136°-29'-09.13"

- | BUILD NOTES | |
|-------------|-------------------------------|
| ① | BUILD NEW 6' SIDEWALK |
| ② | BUILD NEW 5' SIDEWALK |
| ③ | BUILD NEW STD C&G |
| ④ | BUILD NEW WHEEL CHAIR RAMP |
| ⑤ | BUILD NEW EXT. ASPHALT CURB |
| ⑥ | BUILD NEW TYPE 'A' INLET |
| ⑦ | BUILD NEW CONC. VALLEY GUTTER |
| ⑧ | BUILD NEW SIDEWALK DRAIN |
| ⑨ | BUILD NEW TEMP. PAVEMENT |



CONTROL POINTS			
PT #	STATION	OFFSET (ft. or in.)	ELEVATION
①	10+39.97	64.00	5101.21TC
②	10+71.72	64.00	5101.11TC
③	10+98.65	64.00	5100.92TC
④	11+05.34	64.00	5100.89TC
⑤	11+18.55	64.00	5100.82TC
⑥	11+38.31	64.00	5100.72TC
⑦	11+92.21	72.69	5100.38TC
⑧	12+09.57	76.38	5100.25TC
⑨	12+50.00	76.38	5100.00TC
⑩	12+69.87	76.38	5100.19TC
⑪	12+87.12	73.36	5100.29TC
⑫	13+40.62	64.00	5100.25TC
⑬	13+68.28	64.00	5100.75TC
⑭	13+81.76	65.68	5100.85TC
⑮	13+82.57	69.11	5100.52TC
⑯	14+29.50	73.42	5101.15TC
⑰	14+60.74	71.00	5100.93TC
⑱	15+21.13	64.00	5100.53TC
⑲	15+20.90	77.00	5100.78FG
⑳	14+61.38	76.88	5101.05FG
㉑	14+30.14	80.00	5101.27FG
㉒	13+97.21	84.54	5101.36TC
㉓	13+95.55	96.50	5101.60FG
㉔	13+85.06	93.63	5101.11FG
㉕	13+69.29	78.38	5101.05TC
㉖	13+57.81	78.28	5101.02FG
㉗	12+96.35	78.28	5100.52FG
㉘	12+85.85	79.69	5100.41FG
㉙	12+69.87	82.00	5100.30FG
㉚	12+50.00	82.00	5100.12FG
㉛	12+09.57	82.00	5100.37FG
㉜	11+92.21	72.69	5100.50FG
㉝	11+81.03	77.80	5100.55FG
㉞	11+37.42	78.00	5101.00FG
㉟	11+18.55	78.16	5101.10FG
㊱	11+09.16	71.91	5101.02TC
㊲	10+98.65	68.00	5100.33FL
㊳	10+83.72	77.50	5101.27TC
㊴	10+68.81	69.55	5101.18TC
㊵	10+60.75	78.02	5101.33FL

RECORD DRAWINGS
DATE 6-7-91

SCALE:
HORIZ.: 1"=20'
VERT.: 1"=2'

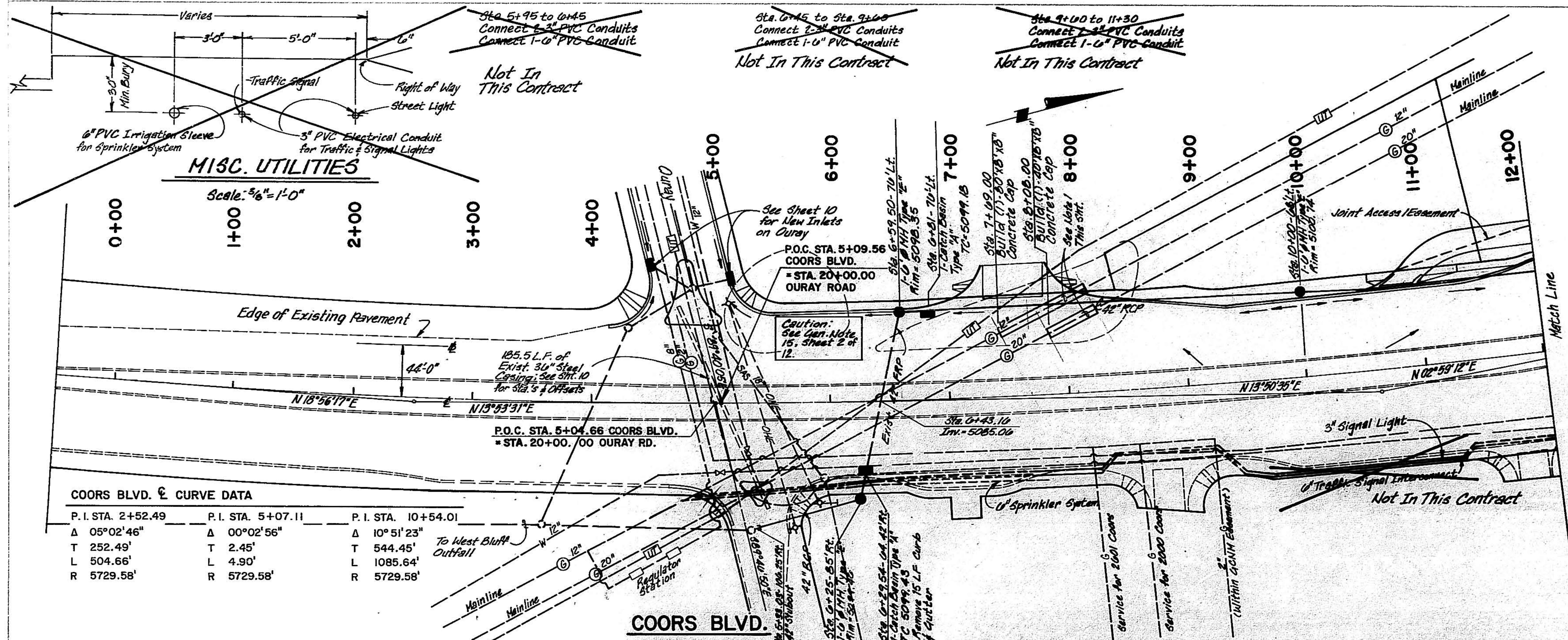


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: COORS WIDENING
QUAIL FRONTAGE ROAD PLAN AND PROFILE

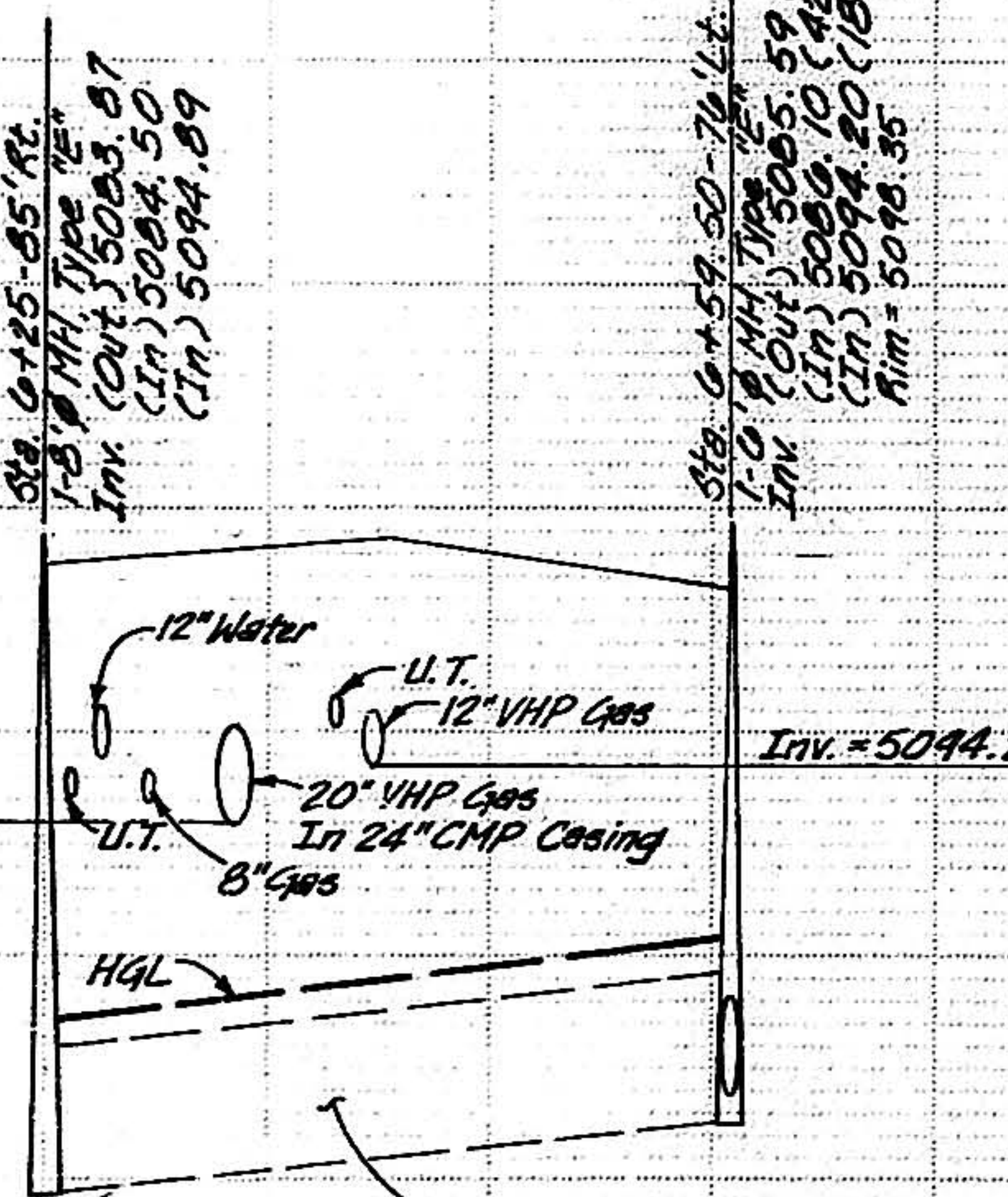
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	R.W. Kane	8/22/90	WATER	R.W. Kane	8-21-90
TRANSPORTATION	R.W. Kane	8-17-90	WASTE WATER	R.W. Kane	8-21-90
HYDROLOGY	R.W. Kane	8/17/90			

DRAWING NO.	4006.90	MAP NO.	H11	SHEET	7.1	OF	19
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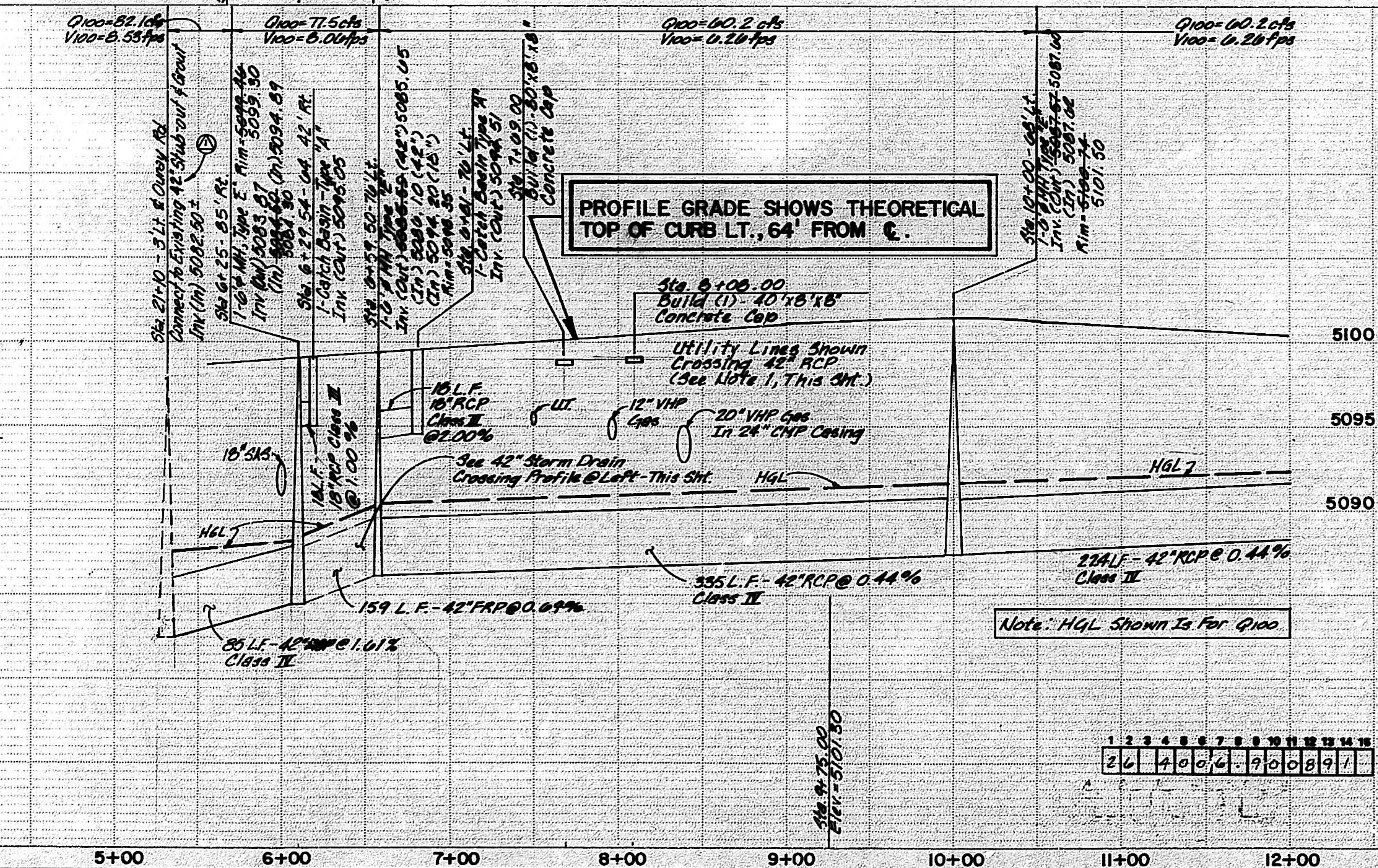
COORS BLVD. & CURVE DATA

P.I. STA.	2+52.49	P.I. STA.	5+07.11	P.I. STA.	10+54.01
Δ	05°02'46"	Δ	00°02'56"	Δ	10°51'23"
T	252.49'	T	2.45'	T	544.45'
L	504.66'	L	4.90'	L	1085.64'
R	5729.58'	R	5729.58'	R	5729.58'



42" Storm Drain Crossing Profile

Coors Sta. 6+43.97
 $Q_{100} = 77.5 \text{ c.f.s.}$
 $V_{100} = 8.06 \text{ f.p.s.}$



CAUTION: SEE GENERAL NOTE 15, SHEET 2.

NOTES

- GCNM WILL PERMIT A MAXIMUM CLEAR SPAN OF 21' UNSUPPORTED LENGTH FOR THE TWO (12" VHP & 20" VHP) LINES DURING THE CONSTRUCTION OF THE 42" RCP STORM DRAIN.

REINFORCED CONCRETE PIPE BEDDING DETAILS

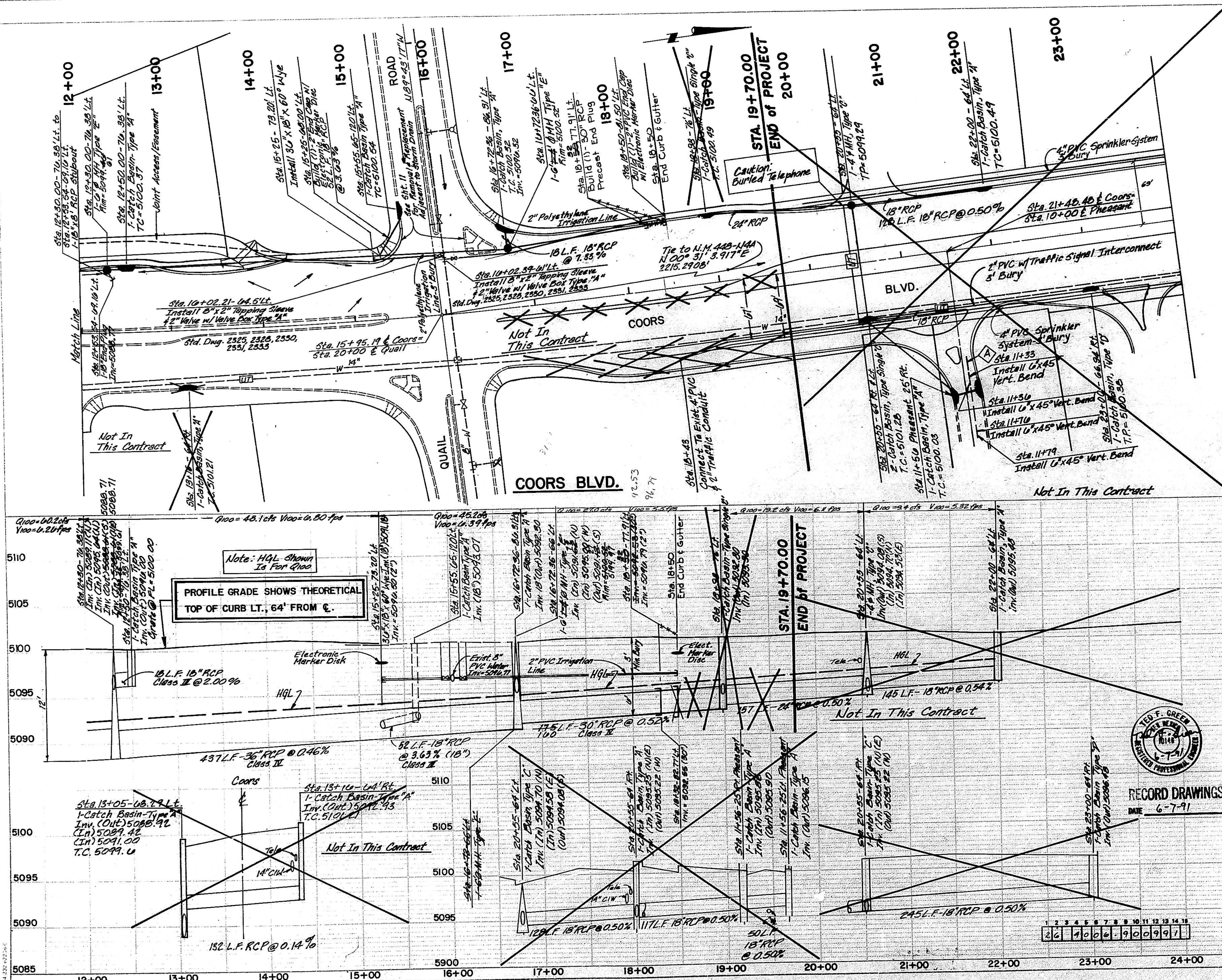
PIPE DIA. CLASS	ASTM WALL SPEC.	TRENCH WIDTH AT TOP OF PIPE	BACKFILL MATERIAL & DEPTH	SOIL DENSITY	BEDDING CLASS
42" III	19	7'-0"	22" 1100/cft.		
36" III	19	7'-0"	22" 1100/cft.		
30" III	19	7'-0"	22" 1100/cft.		
24" III	19	7'-0"	22" 1100/cft.		
18" III	19	7'-0"	22" 1100/cft.		



RECORD DRAWINGS
 DATE 6-7-91

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

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: COORS WIDENING STORM DRAIN PLAN & PROFILE STA. 0+00 TO STA. 12+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	R. W. Kane	8/21/90	WATER	R. W. Kane	8-21-90
TRANSPORTATION	F. 17-90		WASTE WATER	R. W. Kane	8-21-90
HYDROLOGY	Chis	8/17/90			
DRAWING NO.	4006.90	MAP NO.	H-11	SHEET	8.1 OF 19

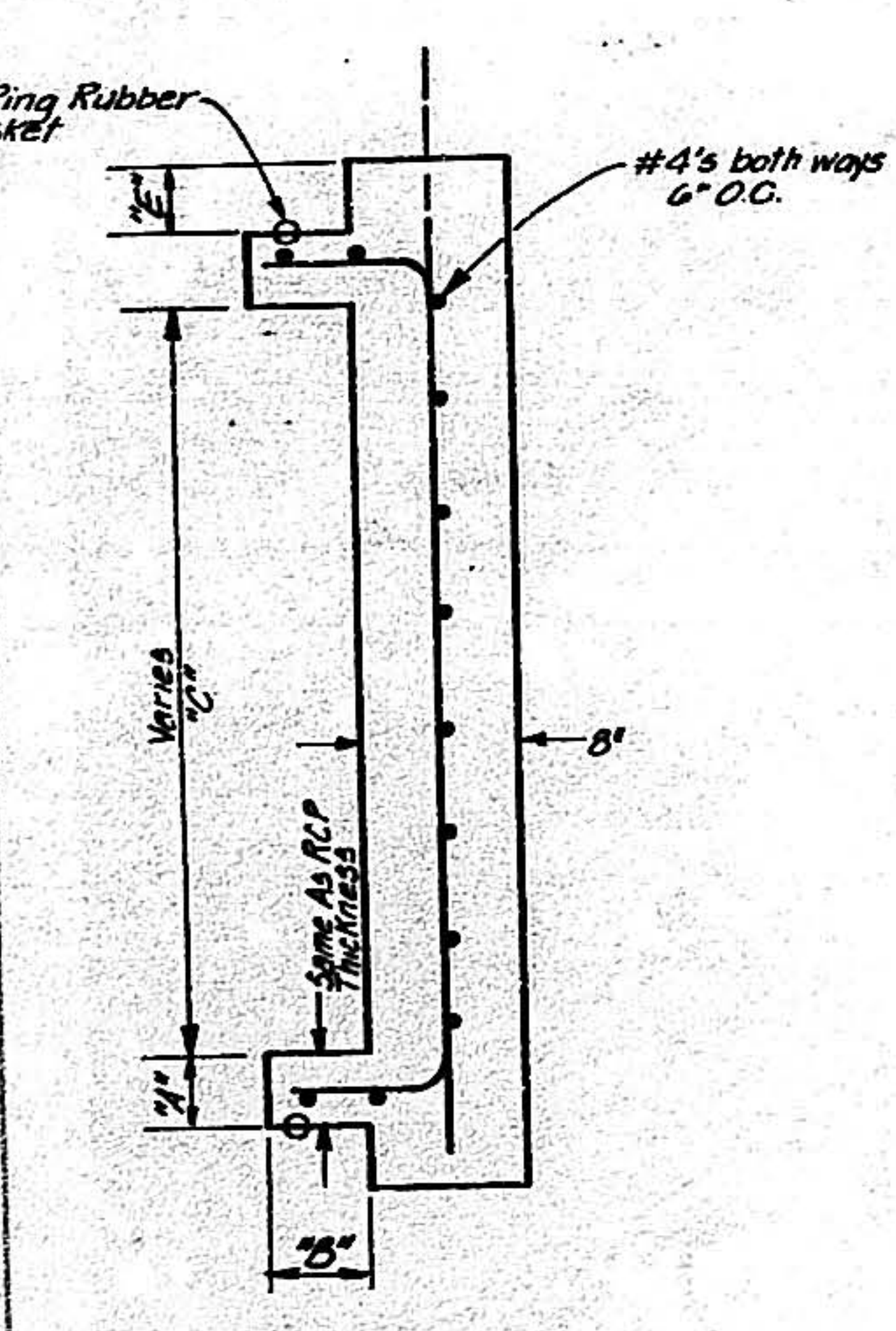


REINFORCED CONCRETE PIPE
BEDDING DETAILS

PIPE DIA. CLASS	PIPE WALL THICKNESS	TRENCH WIDTH AT TOP OF PIPE	TRENCH WIDTH AT BOTTOM	SOIL DENSITY	BEDDING CLASS
42"	IV	8'	22'	110#/cu. ft.	I
36"	IV	7'-8"	21'	110#/cu. ft.	I
30"	IV	7'-8"	18'	110#/cu. ft.	I
18"	III	4'-8"	14'	110#/cu. ft.	I

TABLE OF DIMENSIONS

"A"	"B"	Pipe Size "C"	"E"
2 3/4"	5 3/4"	18"	2 3/8"
2 3/8"	5 7/8"	30"	3 3/8"



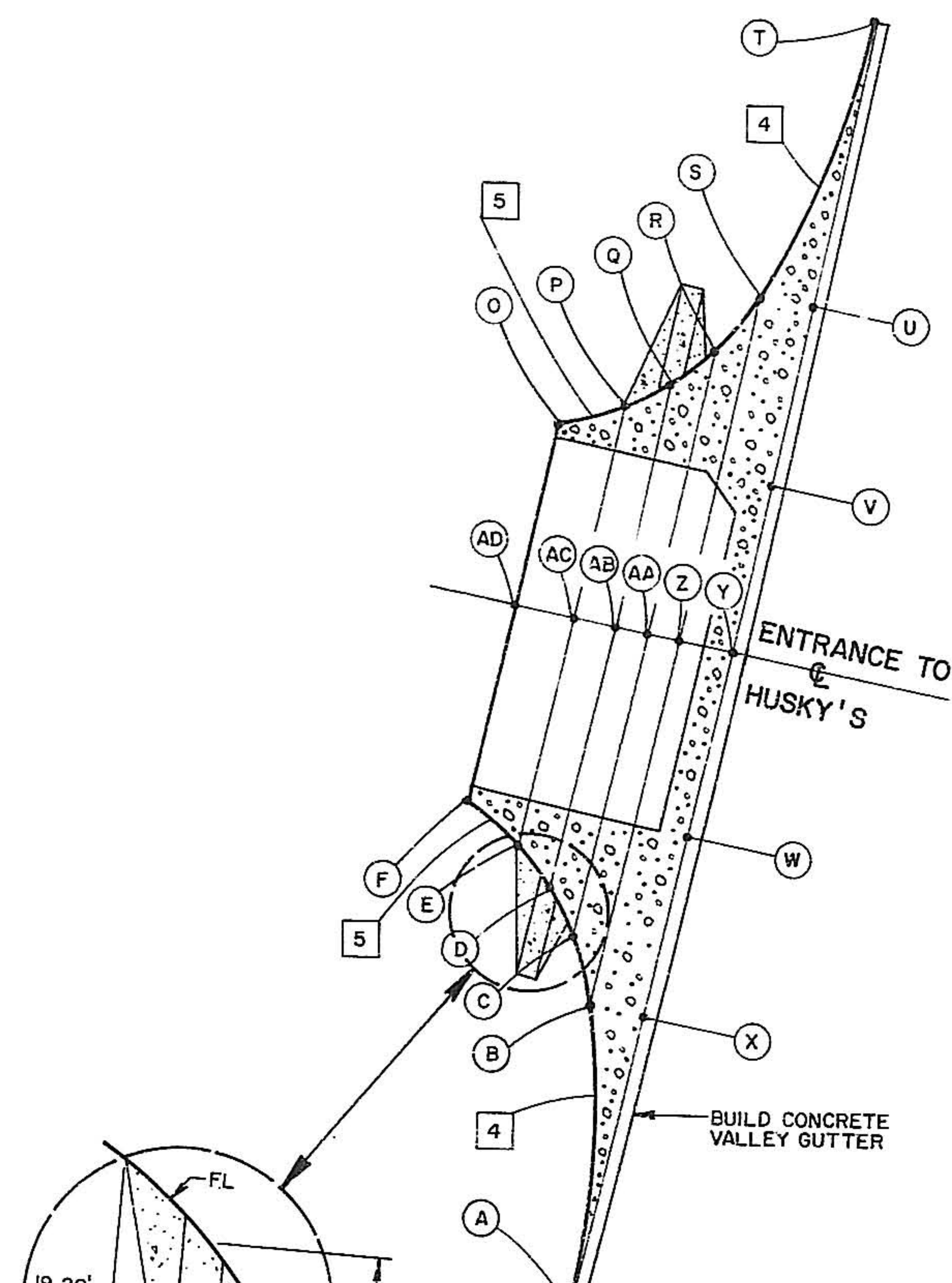
SCALE
HORIZ. 1" = 50'
VERT. 1" = 5'

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: COORS WIDENING
STORM DRAIN PLAN & PROFILE
STA. 12+00 TO STA. 19+70

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DR. CHAIRMAN	R. W. Kane	8/22/90	WATER	R. W. Kane	8-21-90
TRANSPORTATION	R. W. Kane	8-17-90	WASTE WATER	R. W. Kane	8-21-90
HYDROLOGY	R. W. Kane	8/17/90			

DRAWING NO. 4006.90 MAP NO. H-11 SHEET 9 OF 19



ENTRANCE TO "HUSKY'S"
VALLEY GUTTER POINT DATA

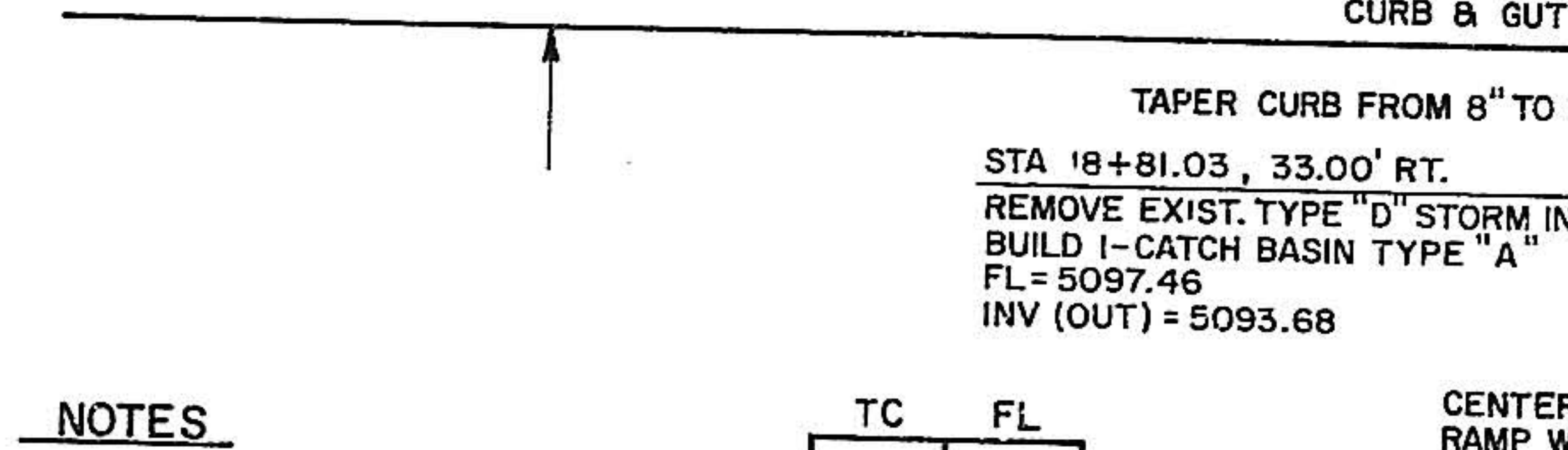
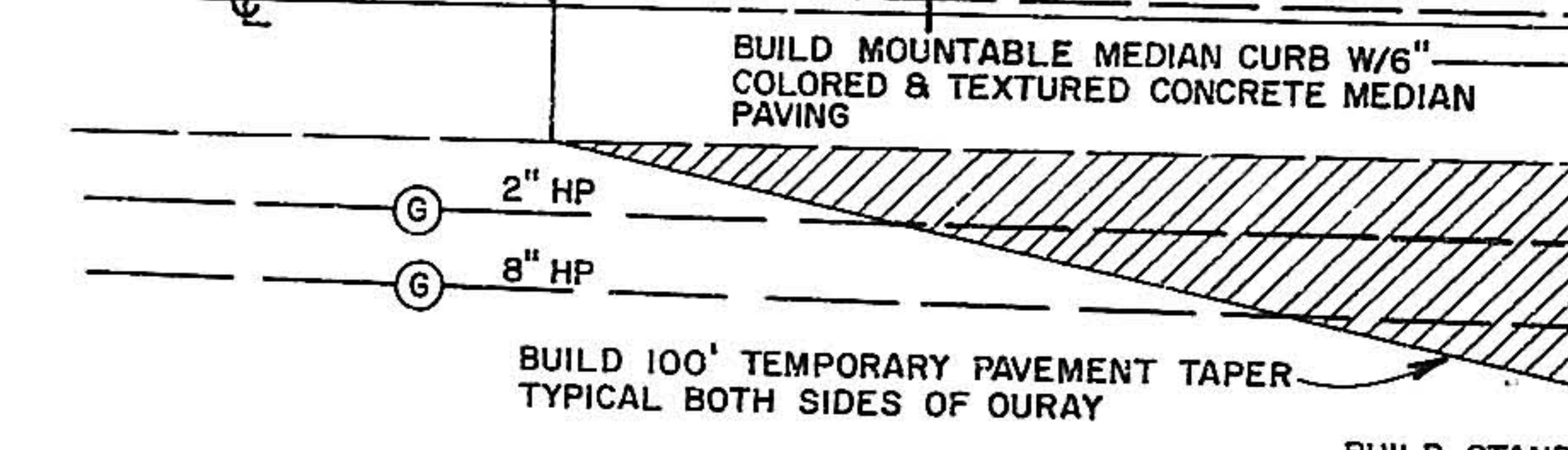
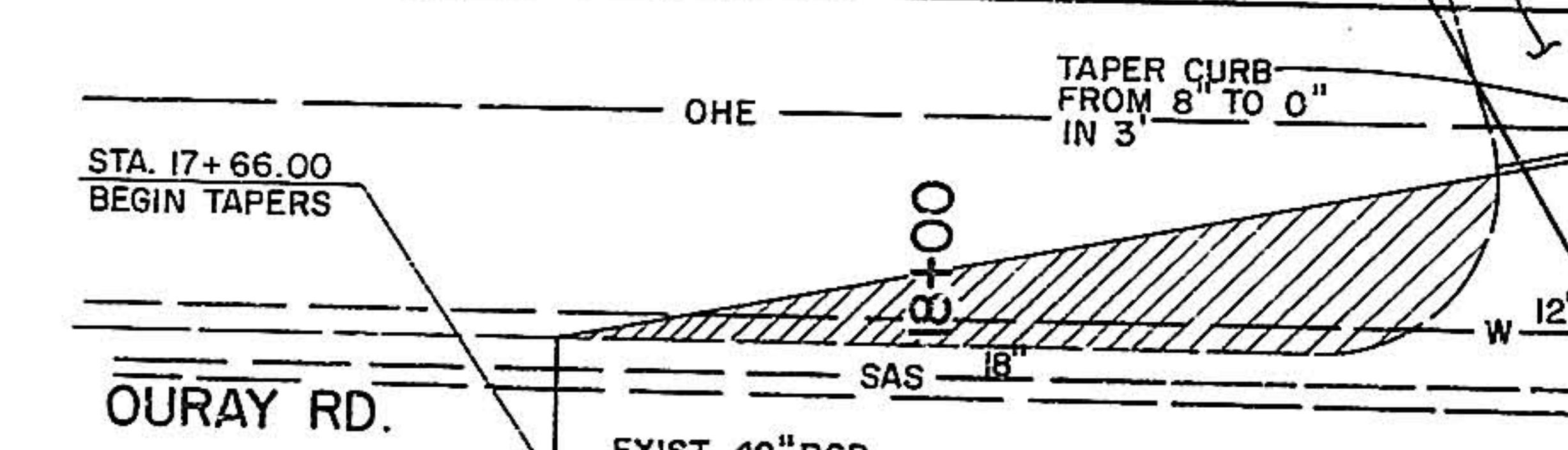
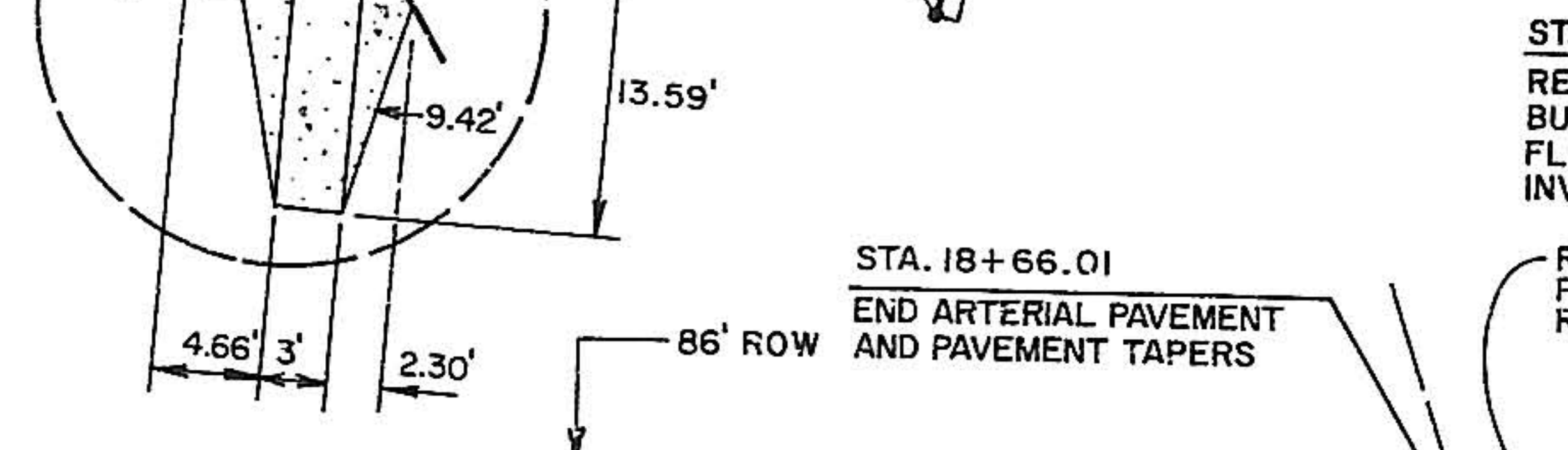
PT.	FL	TC	PT.	FL	TC
A	98.39	99.06	W	98.91	99.06
B	99.12	99.79	X	98.72	99.06
C	99.36	100.03	Y	99.10	99.06
D	99.60	100.27	Z	99.43	99.06
E	99.84	100.51	AA	99.61	99.06
F	100.08	100.75	AB	99.79	99.06
G	100.32	101.00	AC	100.03	99.06
H	100.56	101.24	AD	100.27	99.06
I	100.80	101.48			
J	101.04	101.72			
K	101.28	101.96			
L	101.52	102.20			
M	101.76	102.44			
N	102.00	102.68			
O	102.24	102.92			
P	102.48	103.16			
Q	102.72	103.40			
R	102.96	103.64			
S	103.20	103.88			
T	103.44	104.12			
U	103.68	104.36			
V	103.92	104.60			

NOTE:
 * NO TC, CENTER OF WHEEL CHAIR RAMP.
 1 NO CURB MATCH EXIST. PAVEMENT GRADE.
 2 TAPER CURB FROM 8" TO 0" IN 3'.
 3 NO CURB, CENTERLINE OF ENTRANCE
 4 NO CURB, GUTTER FLOW LINE

CURVE DATA TABLE

CURVE	D	R	T	L
1	76 0-55'-45"	35.00	27.01	46.99
2	104 0-28'-02"	35.00	45.18	63.82
3	76 0-07'-18"	35.00	27.40	46.50
4	20 0-30'-28"	120.00	21.71	42.95
5	50 0-04'-42"	40.00	18.69	34.96

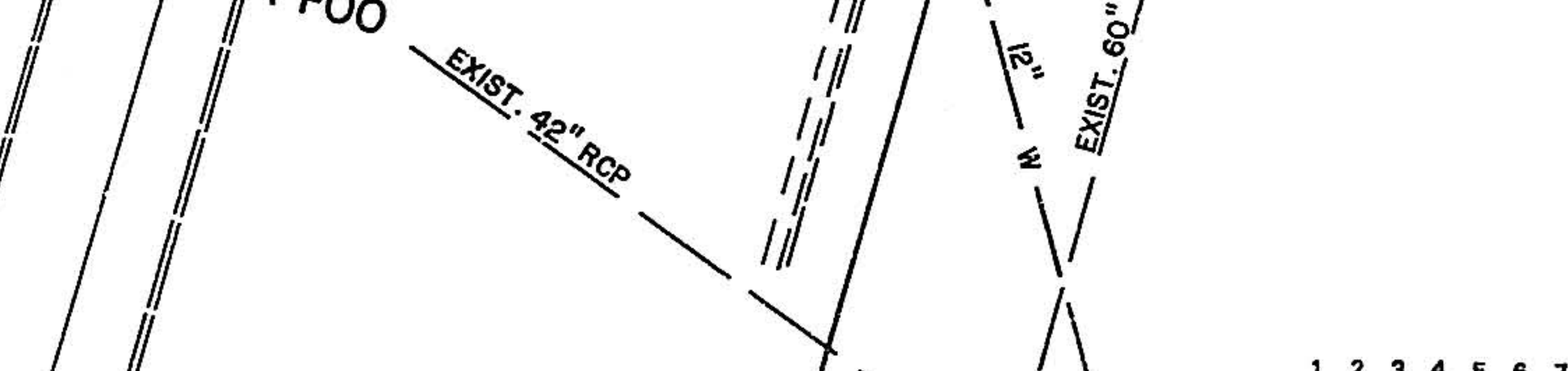
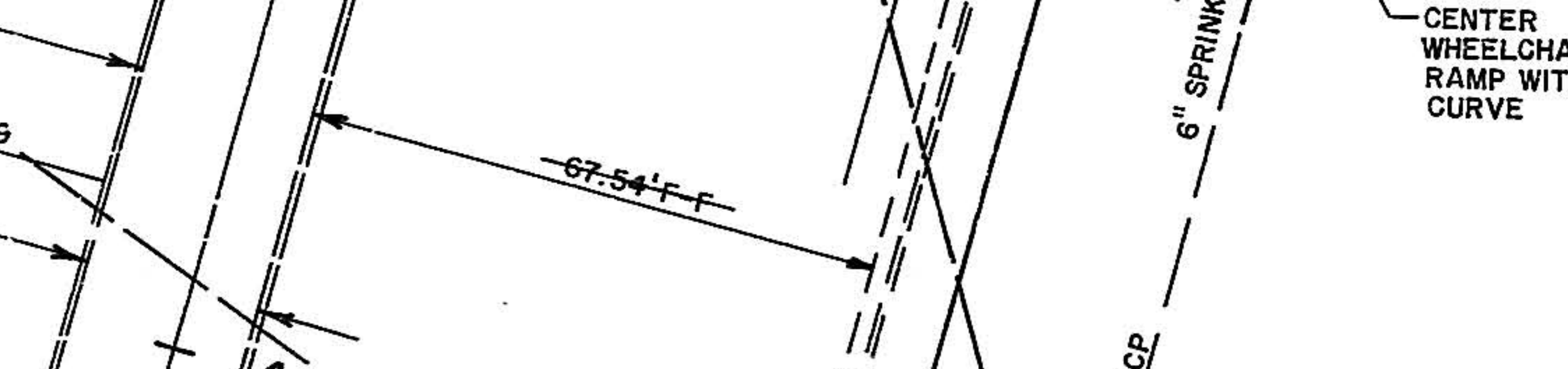
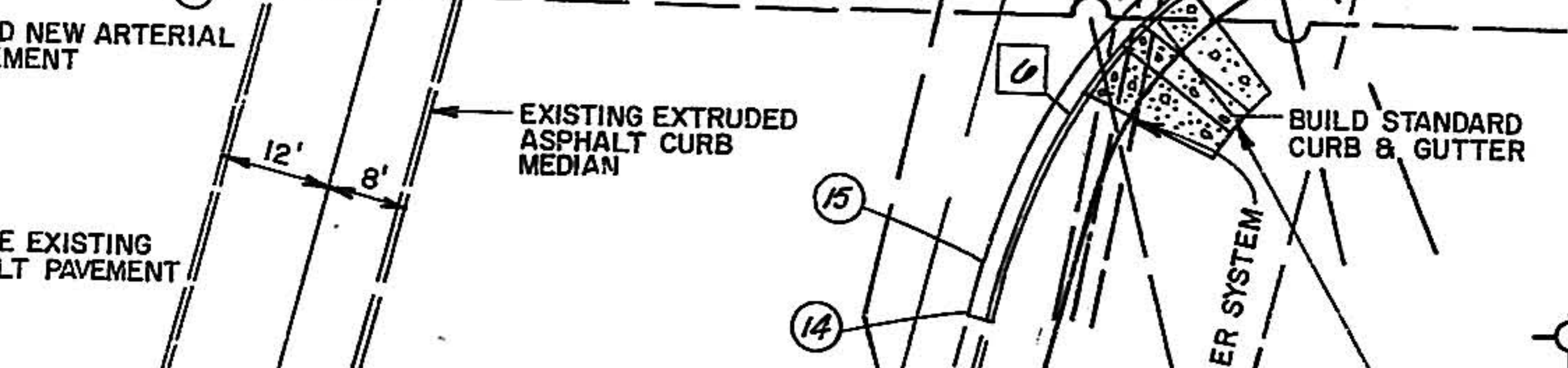
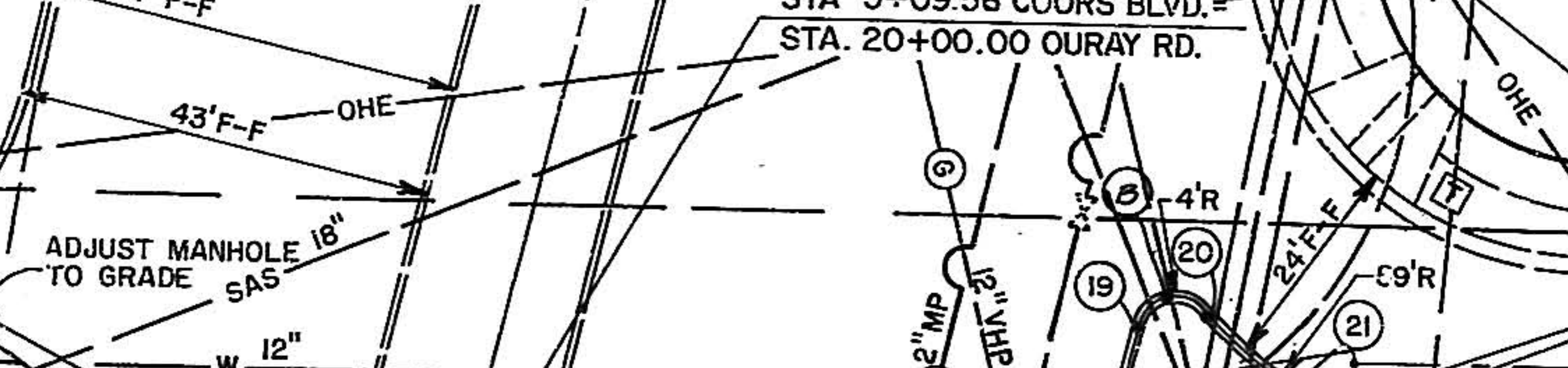
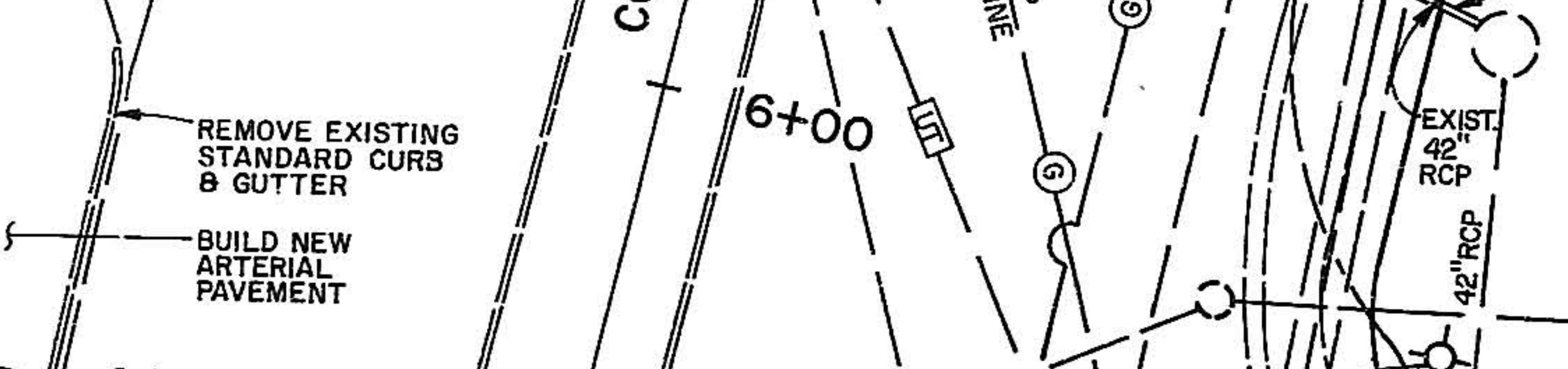
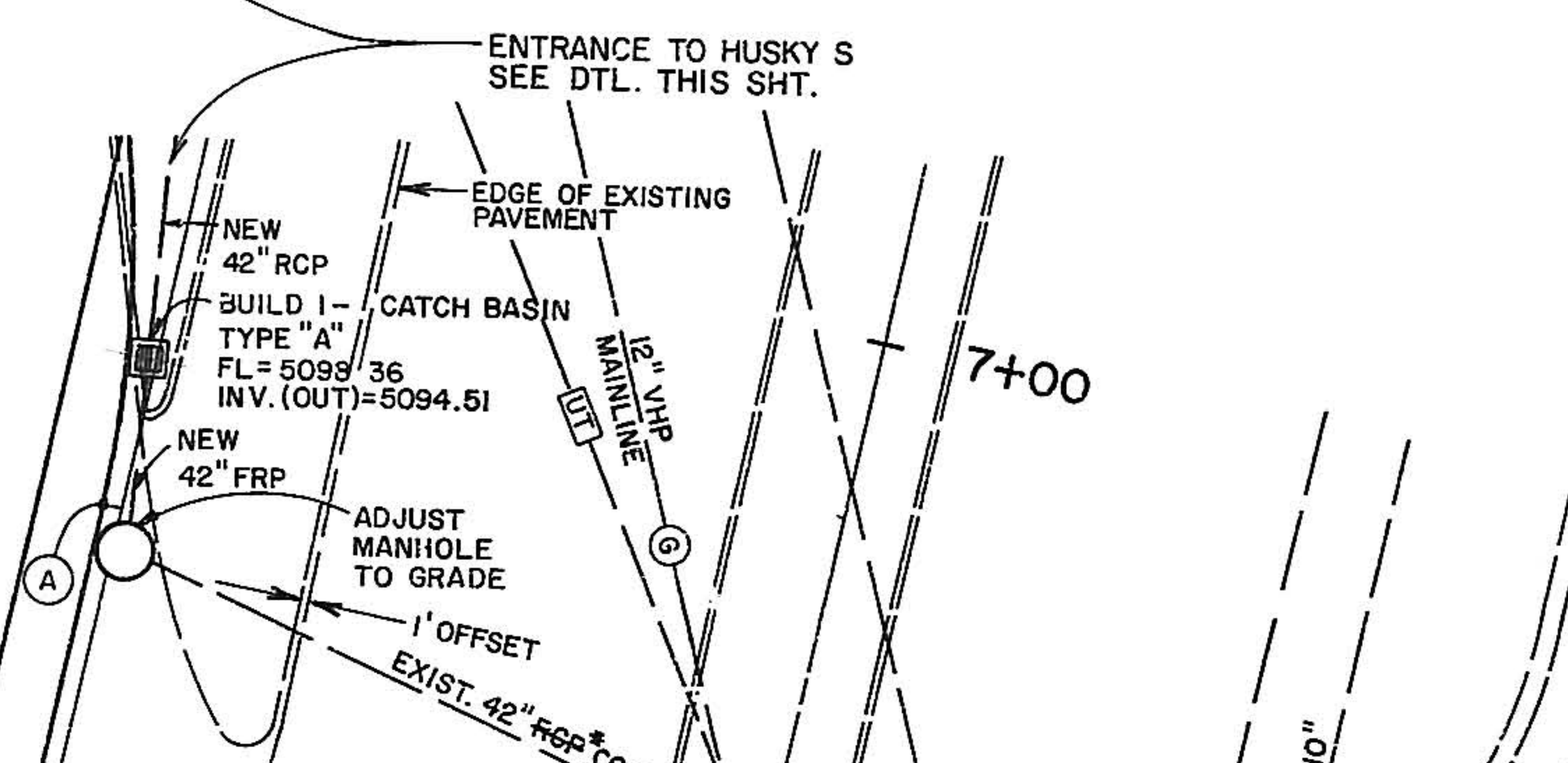
TC	FL
98.18	97.51
98.06	97.39
97.97	97.36



NOTES

TC	FL
98.39	97.69
98.40	97.82
98.62	97.95

1. POWER POLE & STREET LIGHT TO BE REMOVED AND RELOCATED BY PNM.
 2. CONTRACTOR TO SUPPORT EXIST. OVERHEAD POWER LINES DURING CONSTRUCTION OF STORM DRAIN.

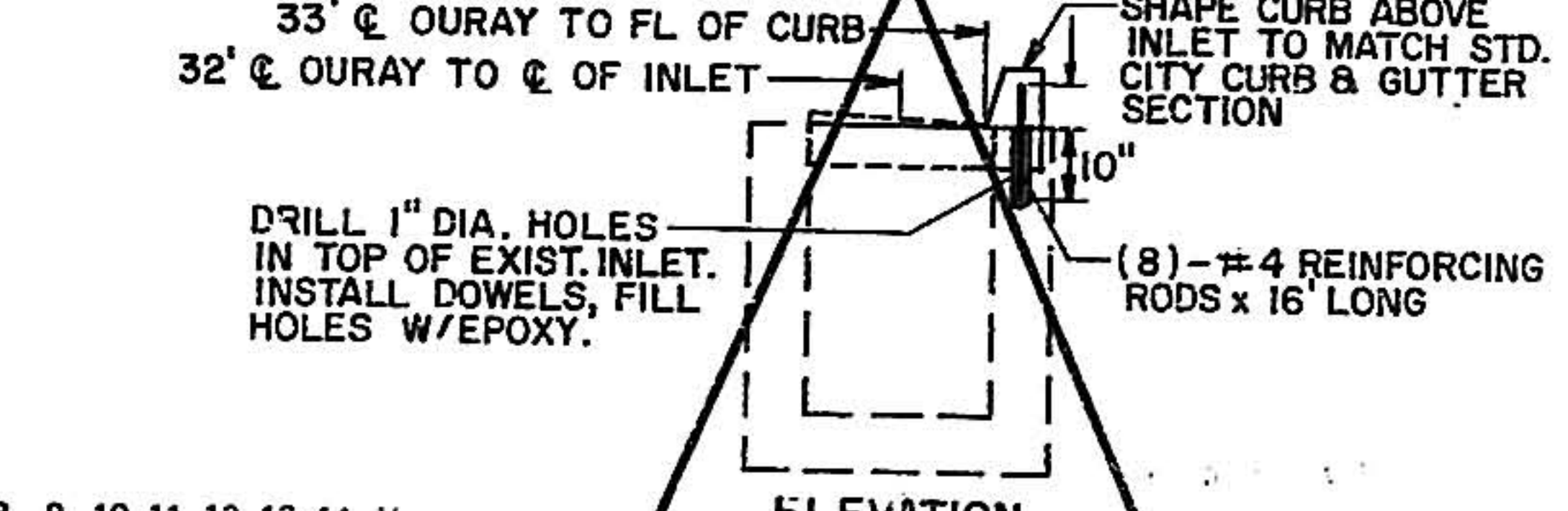


COORS/OURAY INTERSECTION
CURB & GUTTER AND ISLAND CURB CONTROL POINTS

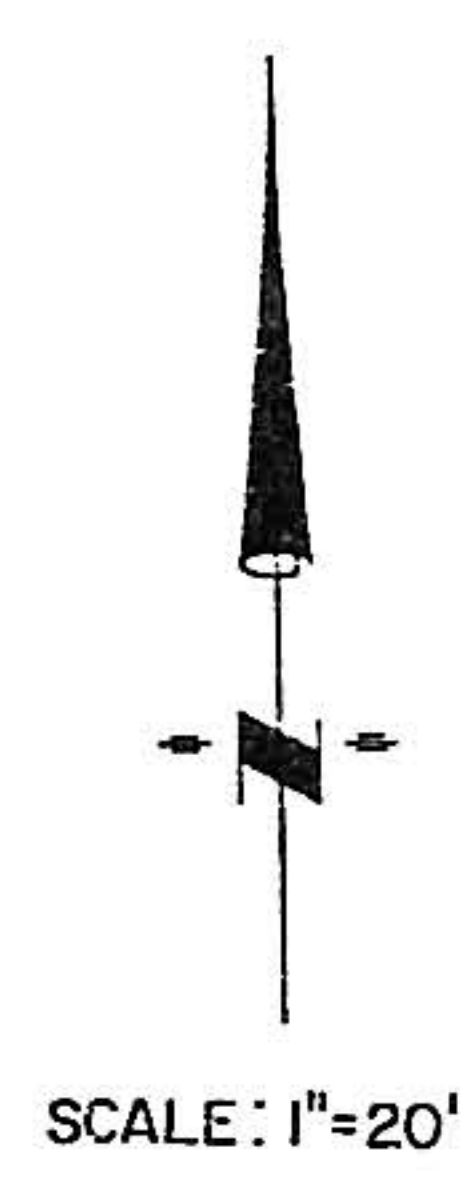
PT.	ST. CL.	STA.	OFFSET	TO. ELEV.	FL. ELEV.
1	COORS	4+69.45	64.00' LT.	98.42	97.92
2	COORS	5+05.94	64.00' LT.	98.09	97.59
3	COORS	5+09.28	71.25' LT.	98.09	97.59
4	COORS	4+92.45	95.69' LT.	98.21	97.71
5	COORS	4+89.08	109.26' LT.	98.21	97.71
6	COORS	4+73.49	107.22' LT.	98.21	97.71
7	COORS	4+66.13	69.98' LT.	98.42	97.92
8	COORS	4+13.99	64.00' LT.	98.74	98.06
9	OURAY	18+81.03	33.00' RT.	98.13	97.45
10	OURAY	18+65.01	33.00' RT.	98.23	97.56
11	OURAY	18+66.01	33.00' LT.	98.23	97.56
12	OURAY	19+02.00	33.00' LT.	97.94	97.24
13	COORS	5+53.69	76.00' LT.	98.31	97.64
14	COORS	4+44.54	71.25' RT.	ME	ME
15	OURAY	21+02.00	12.00' RT.	98.29	97.62
16	COORS	5+24.56	69.69' RT.	98.42	97.92
17	COORS	5+25.72	66.00' RT.	ME	ME
18	COORS	5+45.61	66.00' RT.	ME	ME
19	COORS	5+49.03	72.00' RT.	ME	ME
20	COORS	5+43.82	84.19' RT.	ME	ME
21	COORS	5+38.38	84.72' RT.	ME	ME
22	OURAY	20+78.81	21.04' RT.	ME	ME

ME = MATCH EXISTING PAVEMENT AND/OR TOP OF CURB ELEVATION.
 # = TAPER CURB FROM 8" TO 0" IN 3'

TC	FL
98.34	97.67
98.38	97.71
98.43	97.76



MODIFICATION DETAILS FOR TYPE "D" STORM INLET CONVERSION TO CURB TYPE INLET
 NTS



MEDIAN NOSE TC ELEVATIONS
(AS CONSTRUCTED)

A	98.73
B	98.97
C	98.92
D	98.05
E	98.38
F	98.17



RECORD DRAWINGS
 DATE 6-7-91

* NOTE:
 CCF = CENTRIFUGALLY CAST FIBERGLASS PIPE

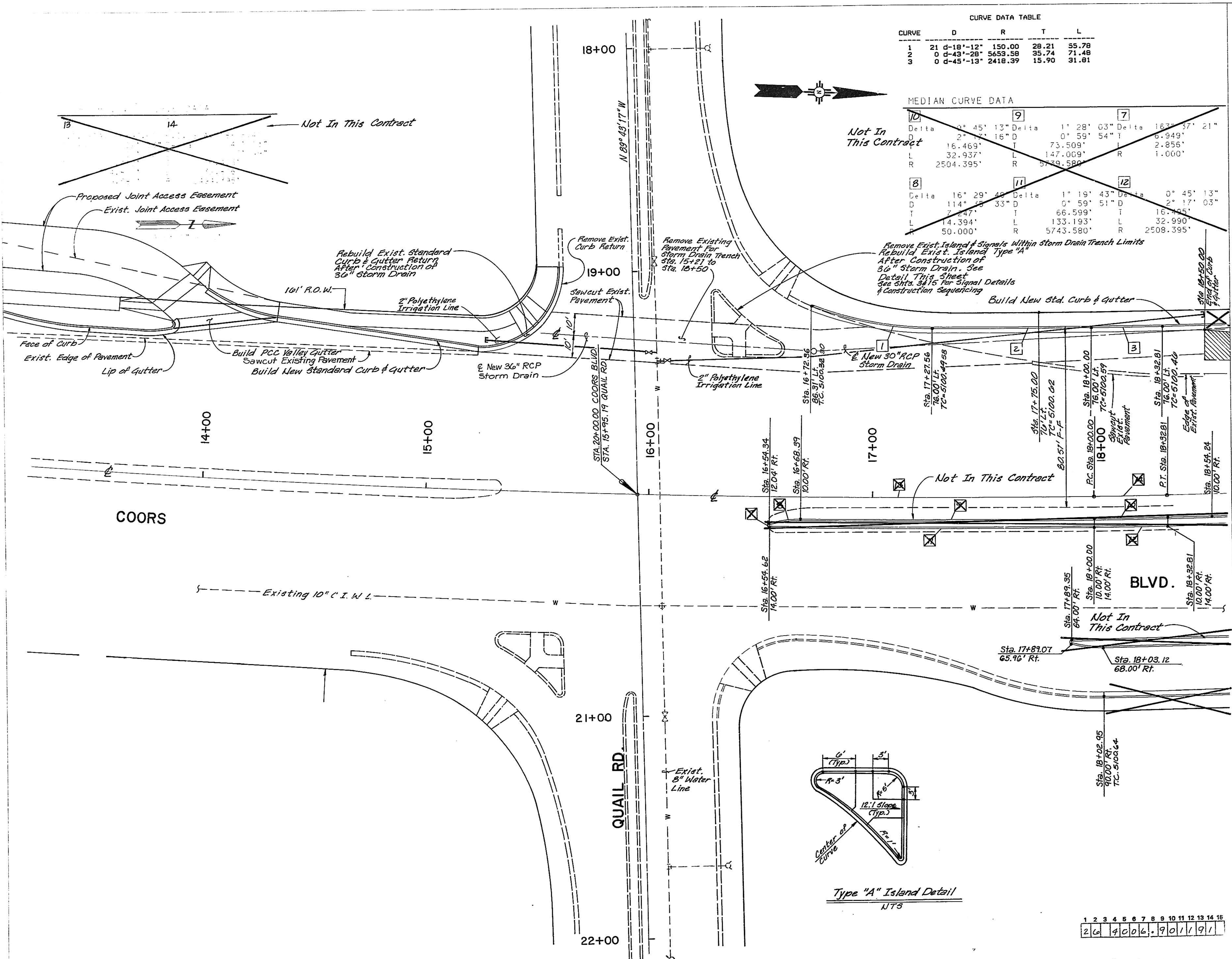
CITY OF ALBUQUERQUE
 PUBLIC WORKS
 ENGINEERING

TITLE: COORS WIDENING
 OURAY/COORS INTERSECTION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	R. W. Kane	8/22/90	WATER	R. W. Kane	8-21-90
TRANSPORTATION	R. W. Kane	8-21-90	WASTE WATER	R. W. Kane	8-21-90
HYDROLOGY	R. W. Kane	8/21/90			

DRAWING NO. 4006.90 MAP NO. H-11 SHEET 10 OF 19

AS-BUILT INFORMATION		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	C. C. M.	NO.	BY		REMARKS REVISIONS DESIGN
STANDARD N.M.S.H.C. BRASS TABLET	STA. N.M. 448-NMA ELEV. 5104.41	DATE	DATE		
SET FLUSH WITH THE TOP OF THE	DATE	DESIGNED BY	DATE	DRAWN BY	DATE
MEDIAN CURB, LOCATED IN THE	DATE	CHECKED BY	DATE		
NORTH MEDIAN NOSE WITHIN THE	DATE				
COORS BLVD. / SEQUOIA ROAD	DATE				
INTERSECTION	DATE				

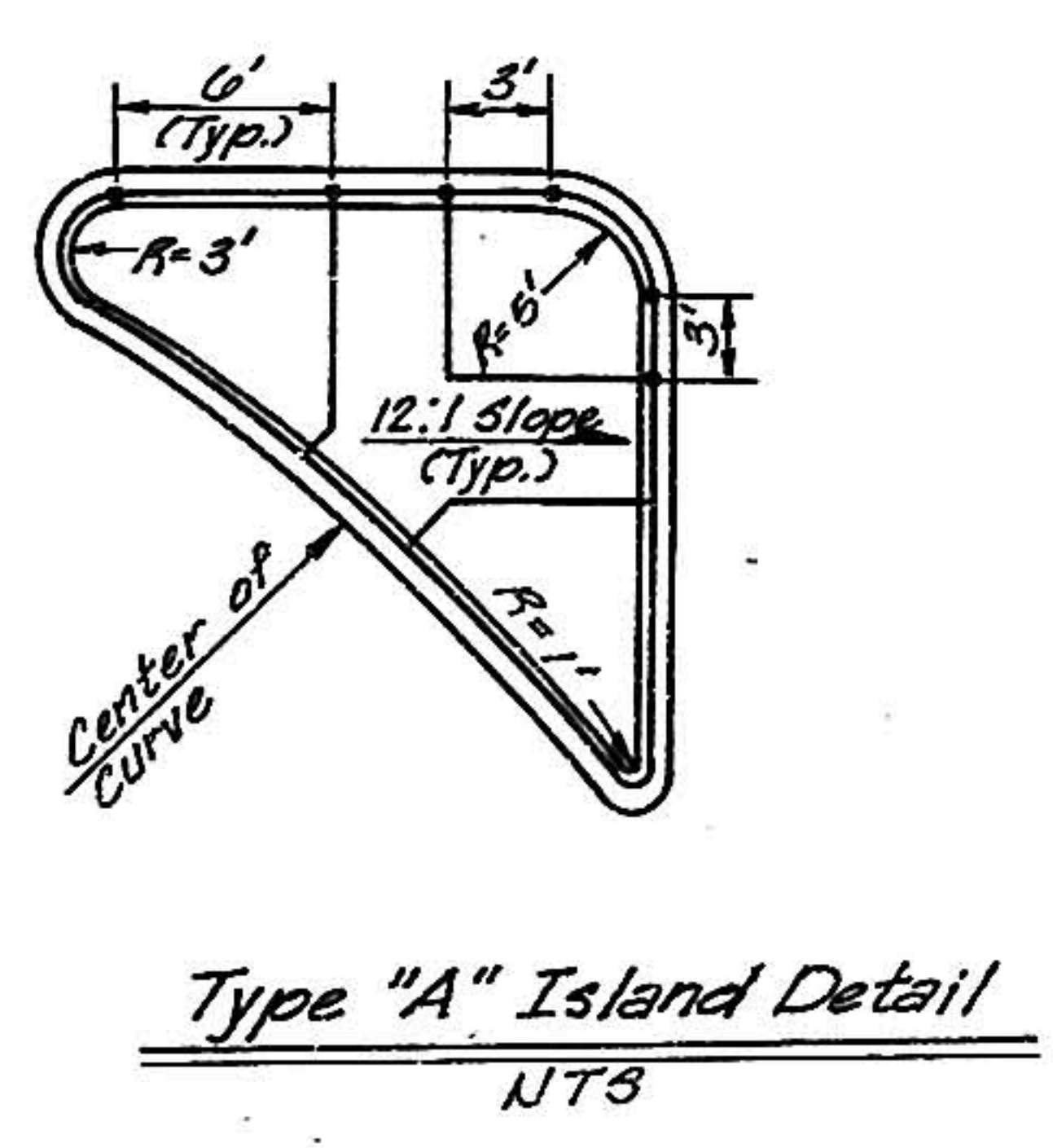


CURVE DATA TABLE

CURVE	D	R	T	L
1	21 d-18°-12'	150.00	28.21	35.79
2	0 d-43°-28'	5659.58	35.74	71.48
3	0 d-45°-13'	2418.39	15.90	31.81

MEDIAN CURVE DATA

Curve	Delta	D	R	T	L
10	0° 45' 13"	16.469'	73.509'	147.009'	2504.395'
9	1° 28' 03"	0° 59' 54"	73.509'	147.009'	2504.395'
7	16° 29' 48"	114° 33' 33"	66.599'	133.193'	5743.580'
11	1° 19' 43"	0° 59' 51"	66.599'	133.193'	5743.580'
12	0° 45' 13"	2° 17' 03"	16.469'	73.509'	147.009'



RECORD DRAWINGS
DATE 6-7-91

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: COORS WIDENING
COORS BLVD. / QUAIL RD. INTERSECTION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	R.W. Kane	8/22/90	WATER	R.W. Kane	8-21-90
TRANSPORTATION	R.W. Kane	8-17-90	WASTE WATER	R.W. Kane	8-21-90
HYDROLOGY	R.W. Kane	8/17/90			

DRAWING NO. 4006.90 MAP NO. H-11 SHEET 11 OF 19

AS BUILT INFORMATION

CONTRACT NO. 448-N4A ELEV. 504.41 STANDARD N.M.S.H.C.

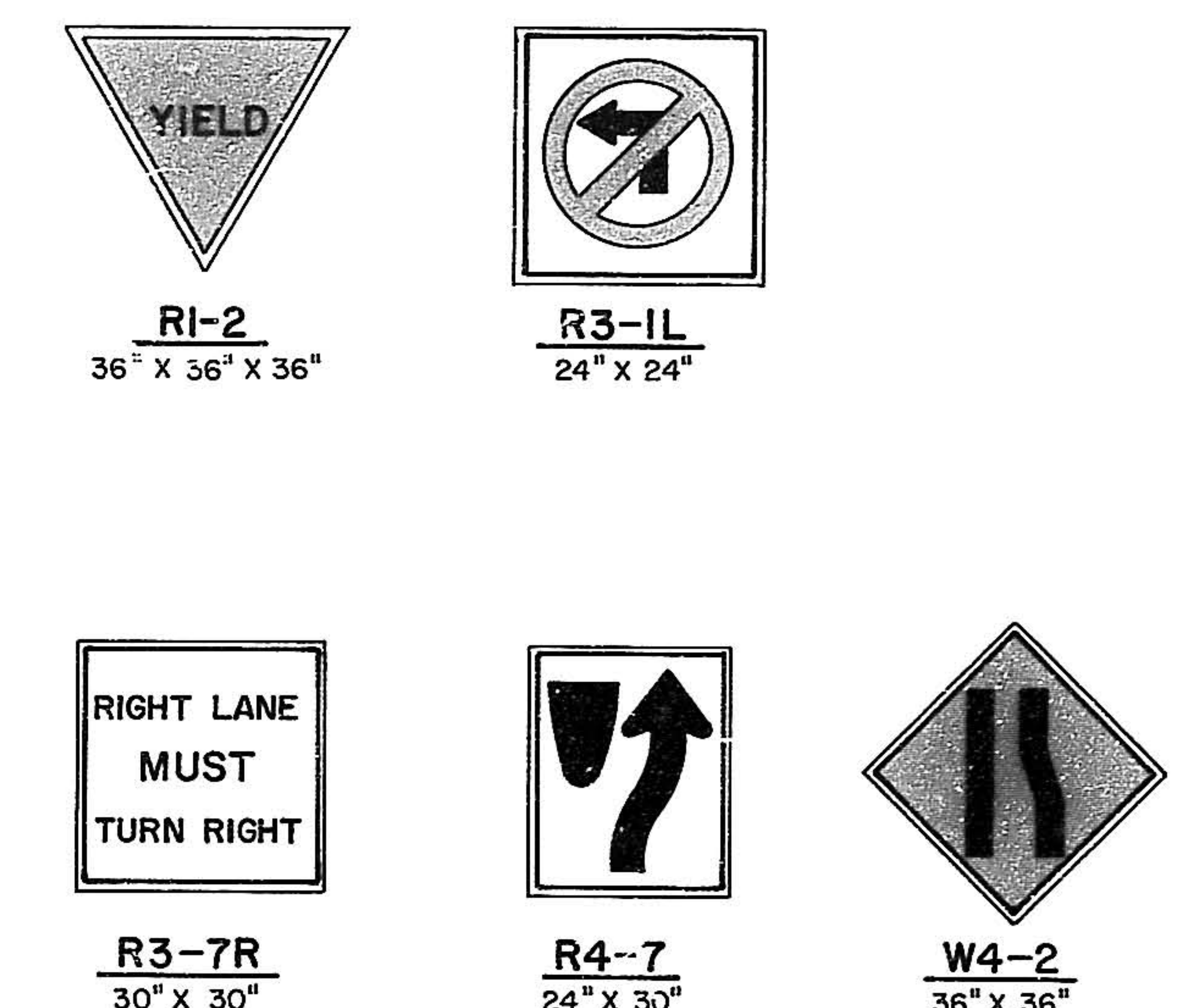
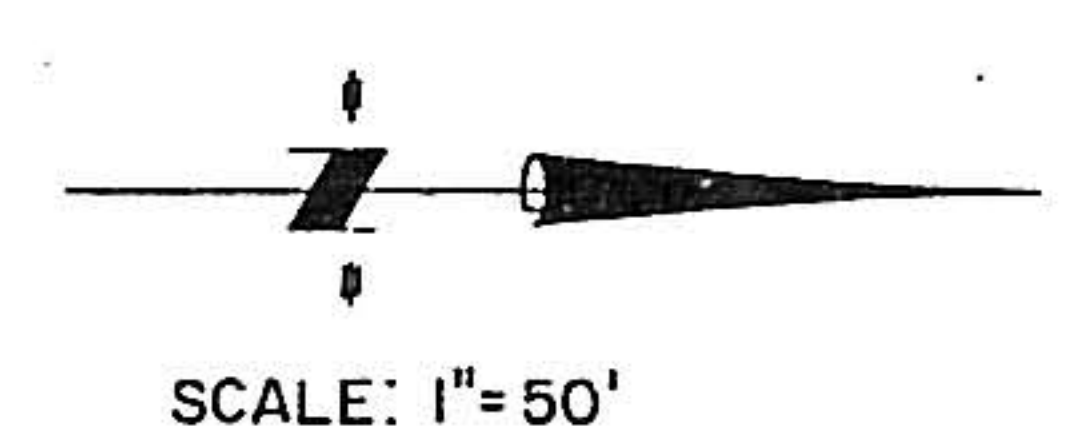
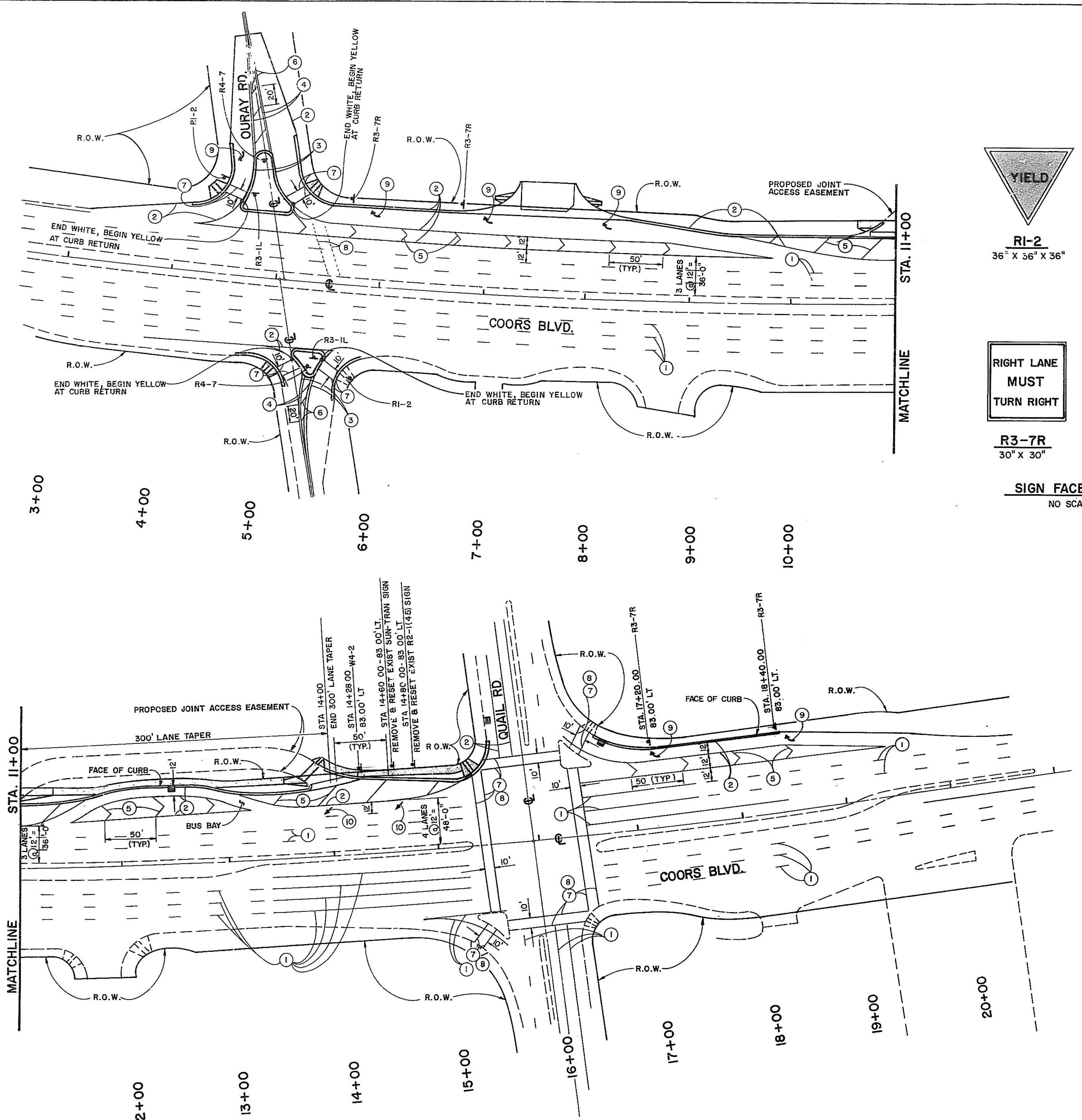
BRASS TABLET SET FLUSH WITH THE TOP OF THE MEDIAN CURB, LOCATED IN THE NORTH MEDIAN NOSE WITHIN THE COORS BLVD. / QUAIL RD. INTERSECTION.

NO. DATE BY

REMARKS

DESIGN

DATE



SIGN FACE DETAILS
NO SCALE

NOTES

1. ALL TRAFFIC CONTROL DEVICES USED OR INSTALLED BY THIS PROJECT SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" LATEST EDITION.
2. EXACT LOCATION OF PAVEMENT MARKINGS AND SIGNS SHALL BE DETERMINED IN THE FIELD AND APPROVED BY THE PROJECT MANAGER.
3. CONTRACTOR SHALL REMOVE ALL CONFLICTING EXISTING PAVEMENT MARKINGS AS DIRECTED BY THE PROJECT MANAGER.

FWA Region No.	NEW MEXICO	SHEET NO.	TOTAL SHEETS
6		12	

KEYED NOTES

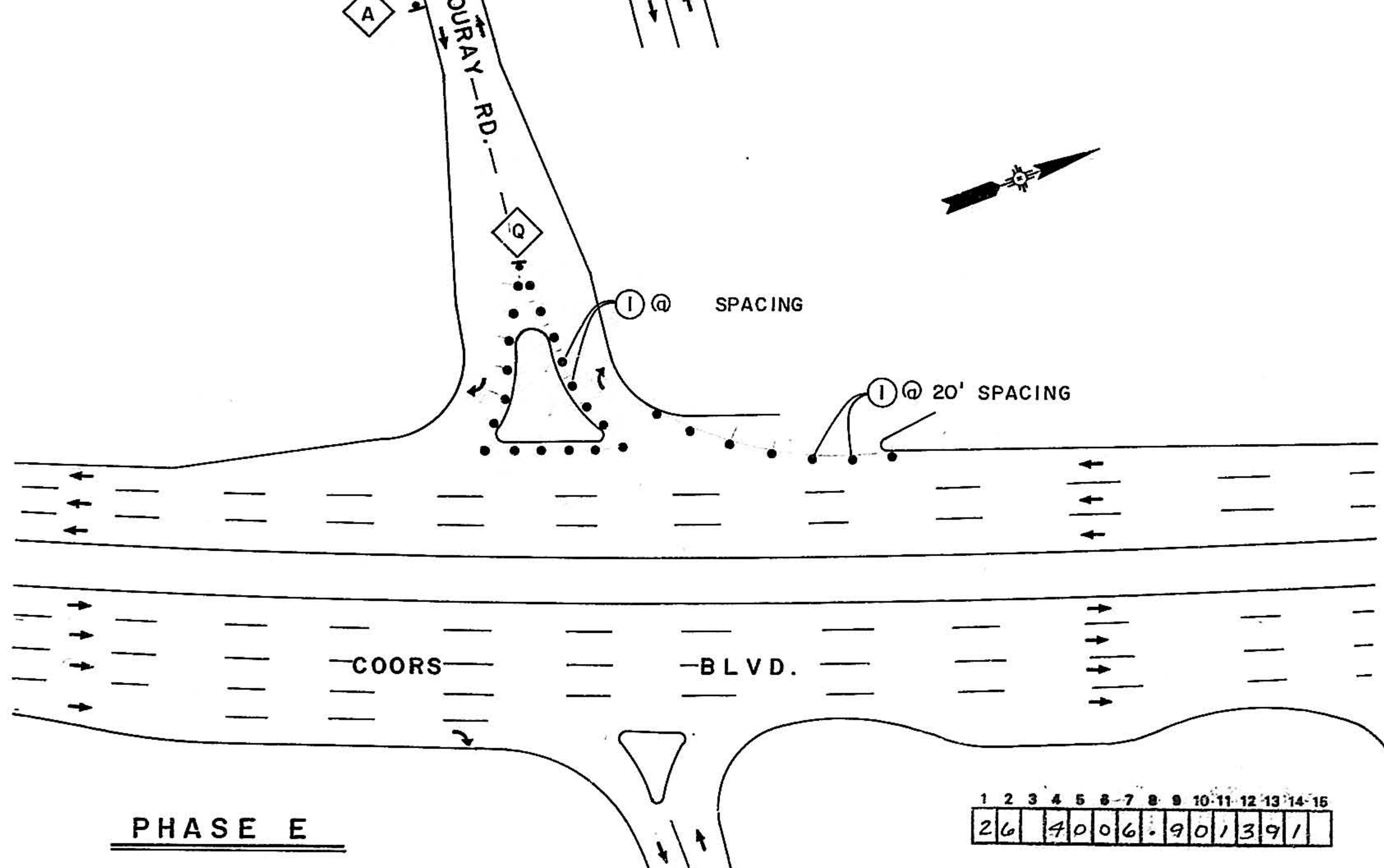
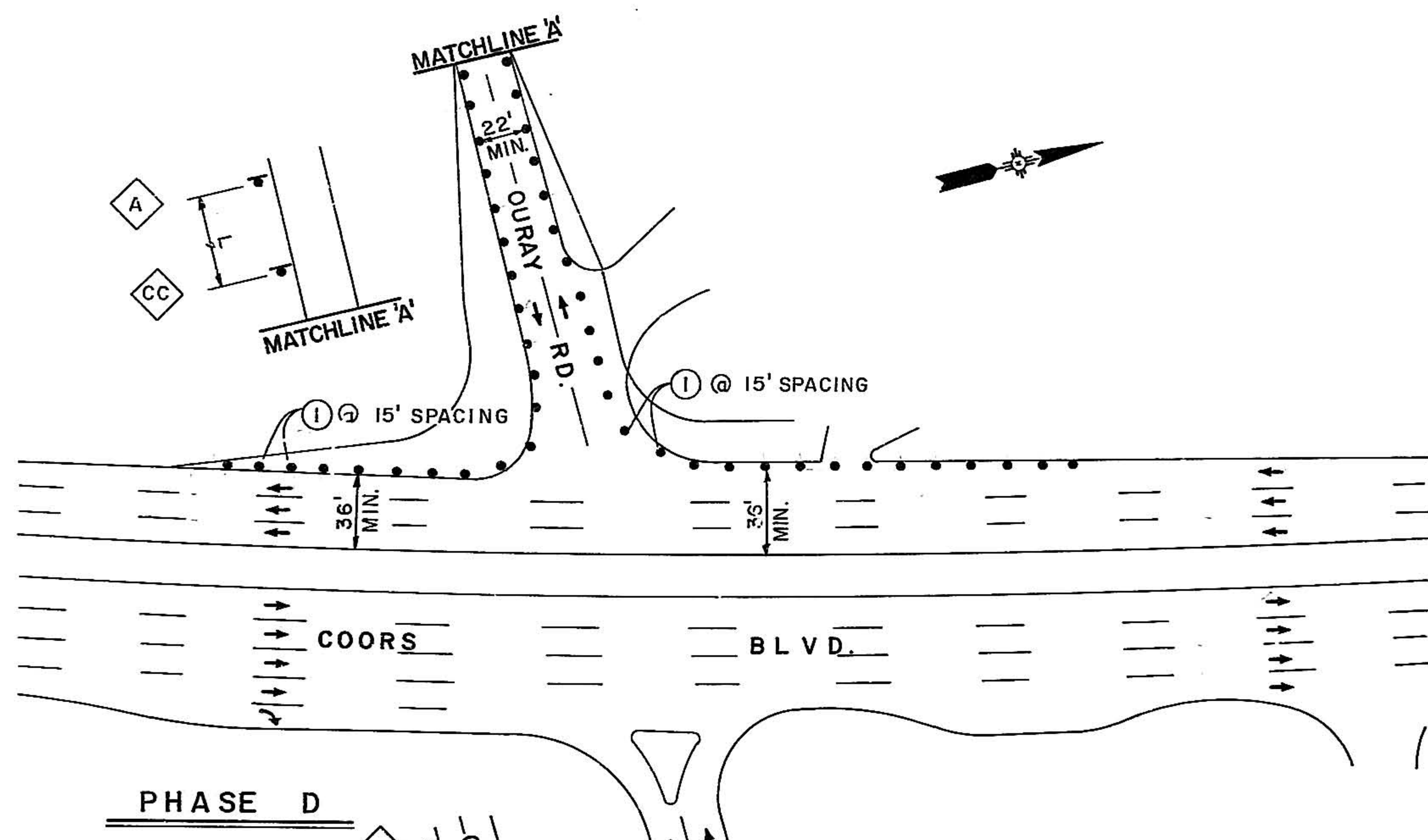
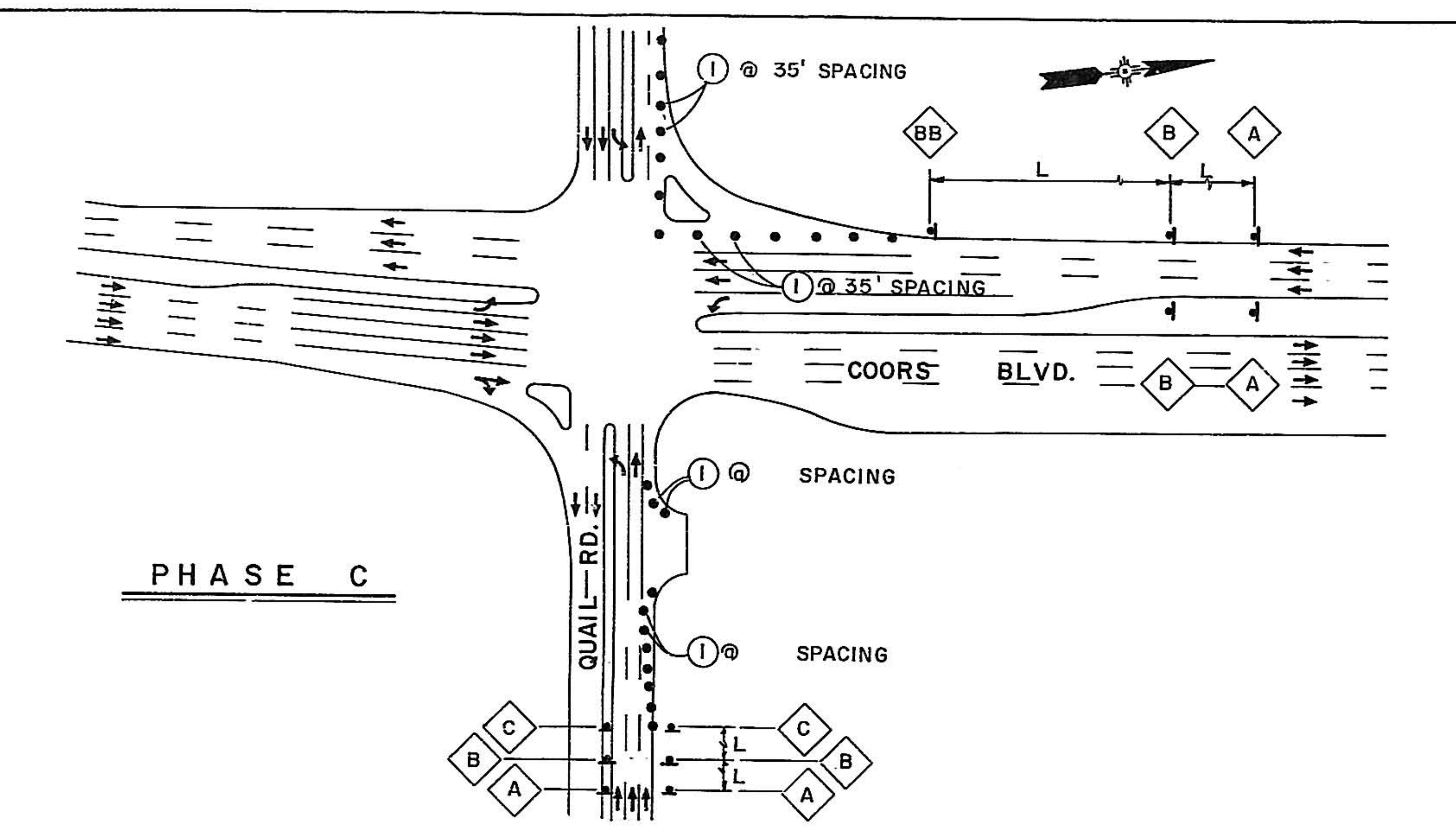
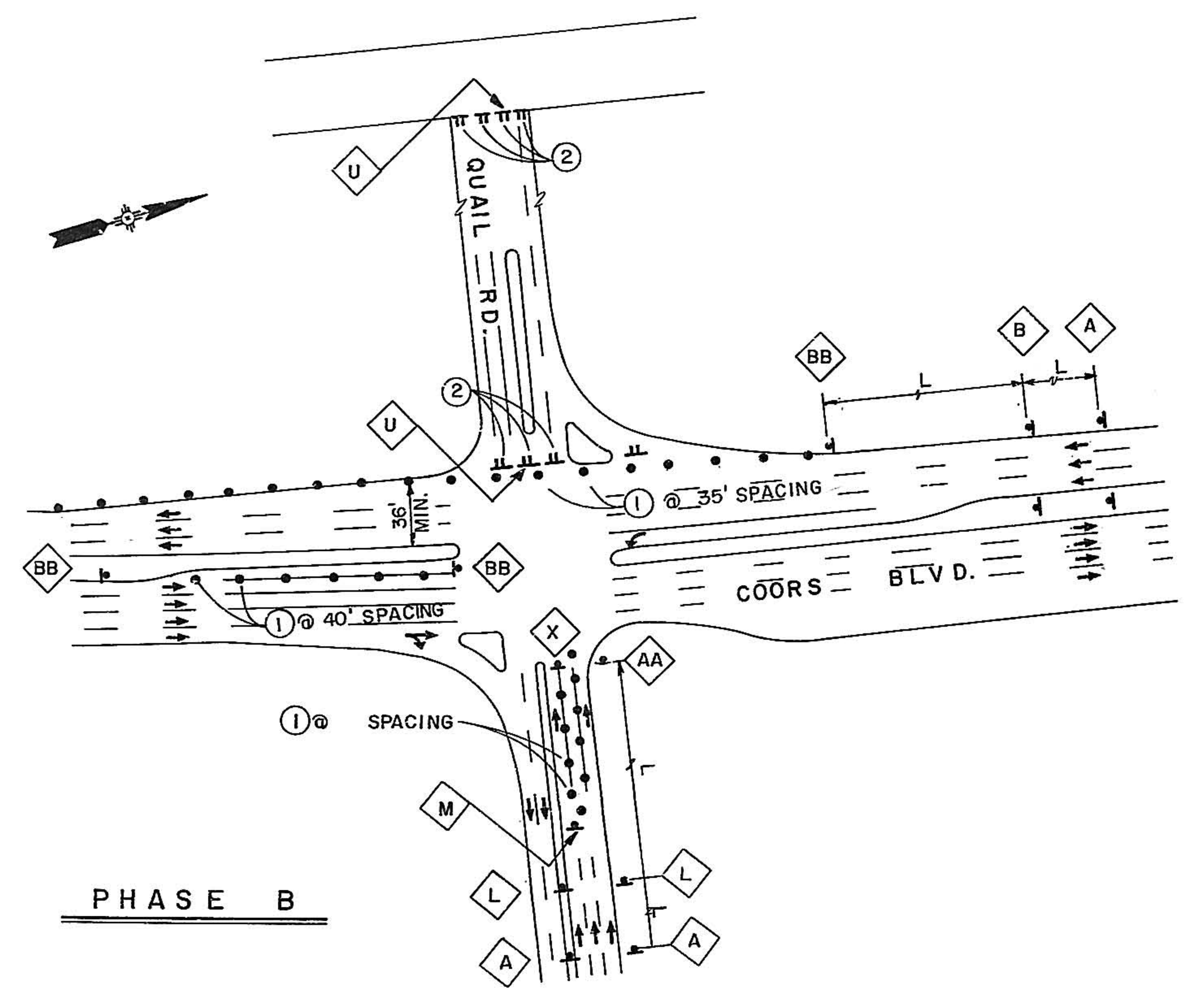
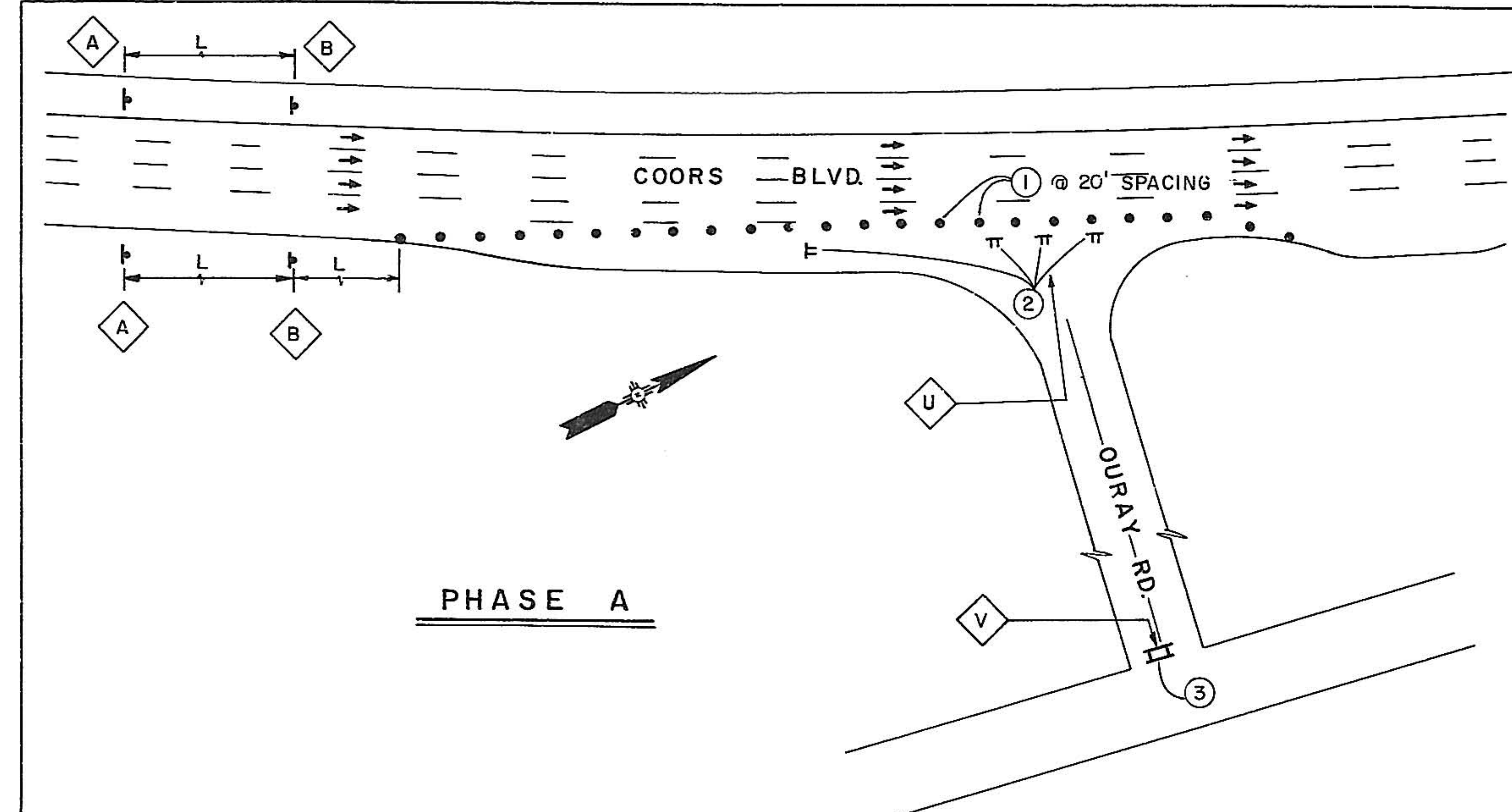
- 1 EXISTING PAVEMENT MARKINGS TO REMAIN.
- 2 4" SOLID WHITE REFLECTORIZED PAINTED MARKINGS.
- 3 4" SOLID YELLOW REFLECTORIZED PAINTED MARKINGS.
- 4 4" DOUBLE SOLID YELLOW REFLECTORIZED PAINTED MARKINGS.
- 5 8" SOLID WHITE REFLECTORIZED PAINTED MARKINGS.
- 6 8" SOLID YELLOW REFLECTORIZED PAINTED MARKINGS.
- 7 REFLECTIVE PLASTIC PAVEMENT STRIPE - 12" 60 MIL.
- 8 REMOVE EXISTING PAVEMENT MARKINGS.
- 9 REFLECTORIZED RIGHT ARROW.
- 10 REFLECTORIZED ARROW AT 45° SKEW.



RECORD DRAWINGS
DATE 6-7-91

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	C. R. M.	STA. N.M. 448-NM ELEV. 5104.41	DATE	NO.	DATE	NO.	DATE
WORK BY	C. R. M.	STANDARD N.M.S.H.C. BRASS TABLET SET	DATE	NO.	DATE	NO.	DATE
INSPECTOR	C. R. M.	FLUSH WITH THE TOP OF THE MEDIAN	DATE	NO.	DATE	NO.	DATE
ACCEPTANCE BY	C. R. M.	CURB LOCATED IN THE NORTH MEDIAN	DATE	NO.	DATE	NO.	DATE
VERIFICATION BY	C. R. M.	NOSE WITHIN THE COORS BLVD./SEQUOIA	DATE	NO.	DATE	NO.	DATE
DATE		ROAD INTERSECTION	DATE	NO.	DATE	NO.	DATE
MICRO-FILM INFORMATION		REVISIONS		DESIGNED BY		CHECKED BY	
RECORDED BY		DATE		DATE		DATE	
NO.		NO.		NO.		NO.	

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: COORS WIDENING STRIPING PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	R. W. Kane	8/22/90	WATER	R. W. Kane	8-21-90
TRANSPORTATION	R. W. Kane	8-17-90	WASTE WATER	R. W. Kane	8-21-90
HYDROLOGY	J. M. Kane	8/17/90			
DRAWING NO.	4006.90	MAP NO.	H-11	SHEET	12 OF 19



- KEYED NOTES**
- ① CHANNELIZATION DEVICES - BARRELS TYPE 'B'
 - ② TYPE III BARRICADE - 8'
 - ③ TYPE III BARRICADE - DOUBLE SIDED
 - ⊥ SIGN

NOTES:
 1. SEE SHEET 14 FOR TYPICAL LANE CLOSURE DETAILS.
 2. SEE SHEET 3 FOR SEQUENCE OF CONSTRUCTION.

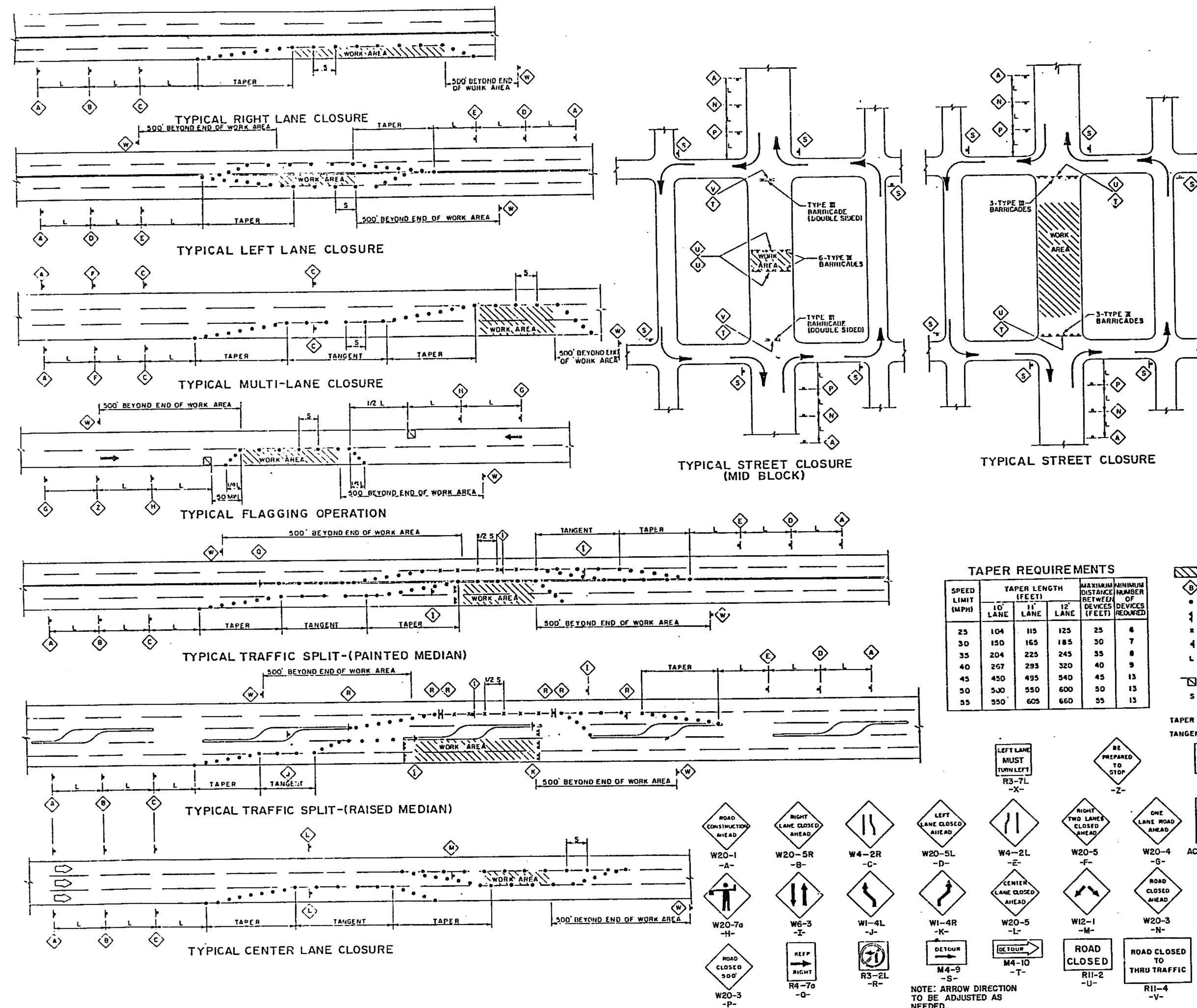
FHWA Region No.	NEW MEXICO	SHEET NO.	TOTAL SHEETS
6		13	1

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		DATE	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
WORK	DATE												
STATIONED BY	DATE												
ACCEPTANCE BY	DATE												
FIELD	DATE												
CONNECTIONS	DATE												
RECORDED BY	DATE												



RECORD DRAWINGS
 DATE 6-7-91

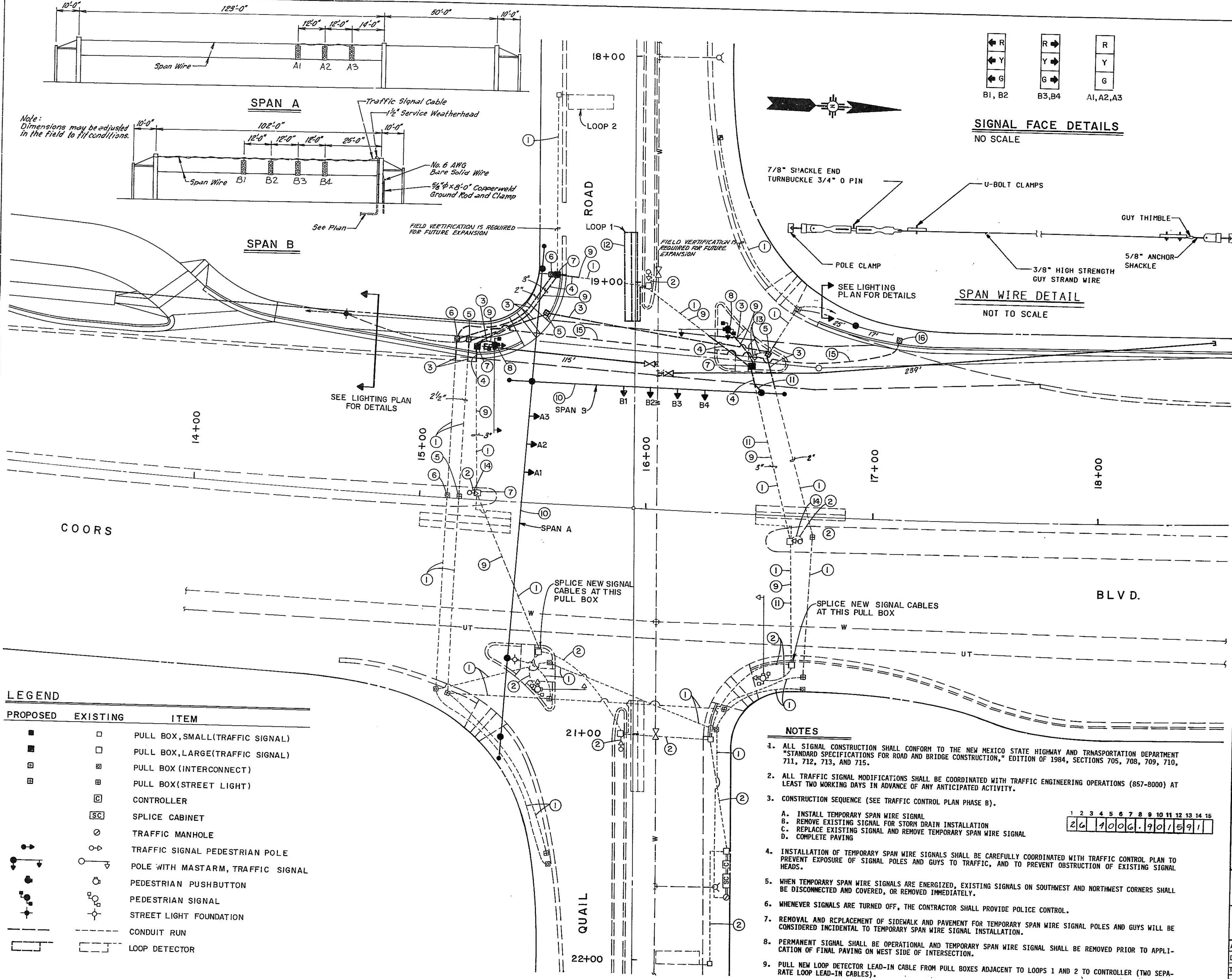
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: COORS WIDENING TRAFFIC CONTROL PLANS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	R. W. Kane	8/22/90	WATER	R. W. Kane	8-21-90
TRANSPORTATION	R. W. Kane	8-17-90	WASTE WATER	R. W. Kane	8-21-90
HYDROLOGY	R. W. Kane	8/17/90			
DRAWING NO.	4006.90	MAP NO.	H-11	SHEET	13 OF 19



RECORD DRAWING
DATE 6-7-91

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: COORS WIDENING TYPICAL LANE CLOSURE DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	R. W. Kane	8/21/90	WATER	R. W. Kane	8-21-90
TRANSPORTATION	R. W. Kane	8/21/90	WASTE WATER	R. W. Kane	8-21-90
HYDROLOGY	R. W. Kane	8/21/90			
DRAWING NO.	4006.90	MAP NO.	H-11	SHEET	14 OF 19

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE
INSPECTOR'S	DATE	NO.	DATE	NO.	DATE	NO.	DATE
FIELD	DATE	NO.	DATE	NO.	DATE	NO.	DATE
VERIFICATION BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
CORRECTED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
MICRO-FILM INFORMATION		REVISIONS		DESIGN		CHECKED BY	
RECORDED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE



LEGEND		
PROPOSED	EXISTING	ITEM
■	□	PULL BOX, SMALL (TRAFFIC SIGNAL)
■	□	PULL BOX, LARGE (TRAFFIC SIGNAL)
□	□	PULL BOX (INTERCONNECT)
□	□	PULL BOX (STREET LIGHT)
□	□	CONTROLLER
□	□	SPLICE CABINET
○	○	TRAFFIC MANHOLE
○	○	TRAFFIC SIGNAL PEDESTRIAN POLE
○	○	POLE WITH MASTARM, TRAFFIC SIGNAL
○	○	PEDESTRIAN PUSHBUTTON
○	○	PEDESTRIAN SIGNAL
○	○	STREET LIGHT FOUNDATION
---	---	CONDUIT RUN
---	---	LOOP DETECTOR

- NOTES**
- ALL SIGNAL CONSTRUCTION SHALL CONFORM TO THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," EDITION OF 1984, SECTIONS 705, 708, 709, 710, 711, 712, 713, AND 715.
 - ALL TRAFFIC SIGNAL MODIFICATIONS SHALL BE COORDINATED WITH TRAFFIC ENGINEERING OPERATIONS (857-8000) AT LEAST TWO WORKING DAYS IN ADVANCE OF ANY ANTICIPATED ACTIVITY.
 - CONSTRUCTION SEQUENCE (SEE TRAFFIC CONTROL PLAN PHASE B).
A. INSTALL TEMPORARY SPAN WIRE SIGNAL
B. REMOVE EXISTING SIGNAL FOR STORM DRAIN INSTALLATION
C. REPLACE EXISTING SIGNAL AND REMOVE TEMPORARY SPAN WIRE SIGNAL
D. COMPLETE PAVING
 - INSTALLATION OF TEMPORARY SPAN WIRE SIGNALS SHALL BE CAREFULLY COORDINATED WITH TRAFFIC CONTROL PLAN TO PREVENT EXPOSURE OF SIGNAL POLES AND GUYS TO TRAFFIC, AND TO PREVENT OBSTRUCTION OF EXISTING SIGNAL HEADS.
 - WHEN TEMPORARY SPAN WIRE SIGNALS ARE ENERGIZED, EXISTING SIGNALS ON SOUTHWEST AND NORTHWEST CORNERS SHALL BE DISCONNECTED AND COVERED, OR REMOVED IMMEDIATELY.
 - WHENEVER SIGNALS ARE TURNED OFF, THE CONTRACTOR SHALL PROVIDE POLICE CONTROL.
 - REMOVAL AND REPLACEMENT OF SIDEWALK AND PAVEMENT FOR TEMPORARY SPAN WIRE SIGNAL POLES AND GUYS WILL BE CONSIDERED INCIDENTAL TO TEMPORARY SPAN WIRE SIGNAL INSTALLATION.
 - PERMANENT SIGNAL SHALL BE OPERATIONAL AND TEMPORARY SPAN WIRE SIGNAL SHALL BE REMOVED PRIOR TO APPLICATION OF FINAL PAVING ON WEST SIDE OF INTERSECTION.
 - PULL NEW LOOP DETECTOR LEAD-IN CABLE FROM PULL BOXES ADJACENT TO LOOPS 1 AND 2 TO CONTROLLER (TWO SEPARATE LEAD-IN CABLES).
 - IT IS POSSIBLE THAT SOME OF THE "MAIN BOX" SIGNAL CONDUITS ARE 2" INSTEAD OF 3" THAT THEY ARE MISSING, OR THAT THEY ARE DAMAGED. THE CONTRACTOR SHALL INSTALL, REPAIR, OR REPLACE THESE CONDUITS AS DIRECTED IN THE FIELD BY TRAFFIC ENGINEERING OPERATIONS.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
26	10	06	19	01	59	1								

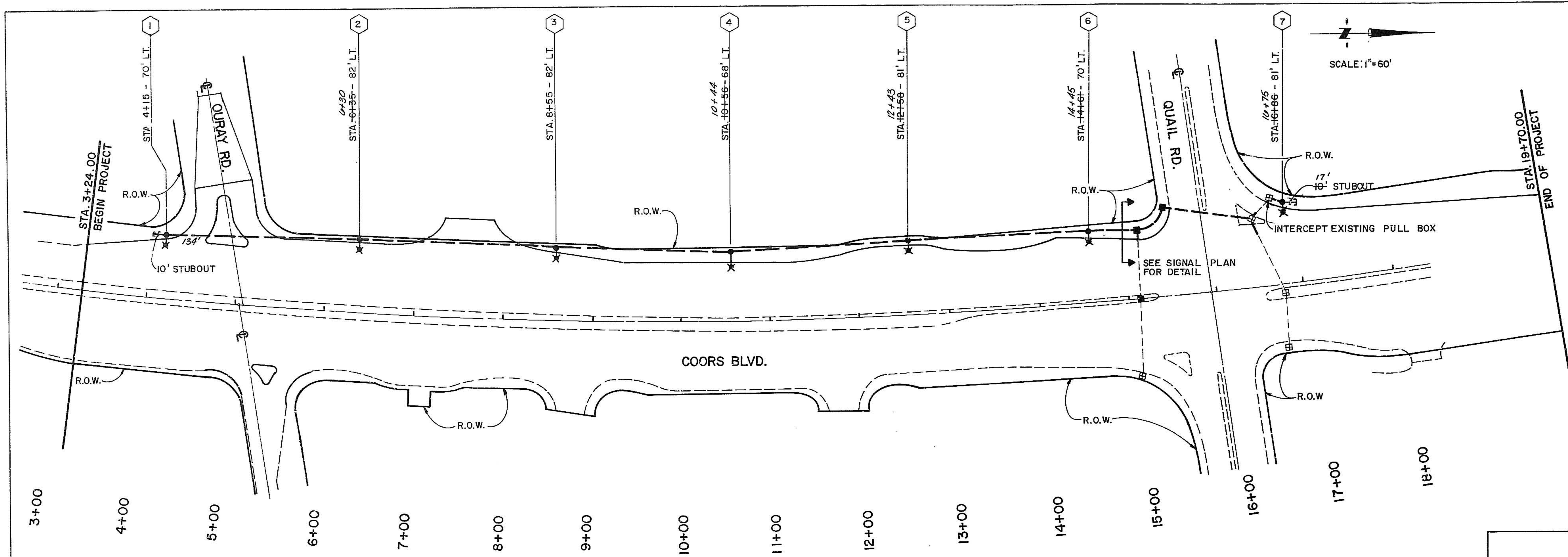
KEYED NOTES

- EXISTING CONDUIT RUN TO REMAIN.
- EXISTING CONDUIT RUN AND CABLE TO REMAIN.
- REMOVE EXISTING CONDUIT AND REPLACE WITH 2" PVC.
- REMOVE EXISTING CONDUIT AND REPLACE WITH 3" PVC.
- REMOVE AND REPLACE EXISTING PULL BOX (SMALL) FOR STREET LIGHTING. NEW ELECTRICAL PULL BOXES SHALL CONFORM TO CITY STANDARD DETAIL DWG 2521.
- REMOVE AND REPLACE EXISTING PULL BOX (SMALL) FOR INTERCONNECT. NEW ELECTRICAL PULL BOXES SHALL CONFORM TO CITY STANDARD DETAIL DWG 2521.
- REMOVE AND REPLACE EXISTING PULL BOX (LARGE) FOR TRAFFIC SIGNAL. NEW ELECTRICAL PULL BOXES SHALL CONFORM TO CITY STANDARD DETAIL DWG 2521.
- CAREFULLY DISASSEMBLE EXISTING MASTARM AND SIGNALS AND STORE. REMOVE AND REPLACE EXISTING FOUNDATION. NEW FOUNDATIONS SHALL CONFORM TO CITY STANDARD DETAIL DWG 2526 FOR MASTARM FOUNDATION TYPE 1. REASSEMBLE MASTARM AND SIGNALS ON NEW FOUNDATION. REWIRE AS NECESSARY.
- PULL NEW SIGNAL CABLE INCLUDING TWO 20-CONDUCTOR #14 MCC CABLES, ONE 5-CONDUCTOR #14 MCC CABLE, ONE SINGLE CONDUCTOR #10 THW CABLE AND ONE #8 BARE COPPER GROUND WIRE. SPLICES WILL BE ALLOWED IN LARGE PULL BOXES. CONNECT TO EXISTING CABLES AS NECESSARY. MATCH COLOR CODING AS DIRECTED BY THE CITY TRAFFIC ENGINEERING OPERATIONS.
- INSTALL TEMPORARY SPAN WIRE SIGNALS INCLUDING POLES, SIGNALS, DOWN GUYS, SIGNAL CABLES, AND ALL FITTINGS.
- PULL ONE 20-CONDUCTOR #14 MCC CABLE FOR TEMPORARY SIGNALS FROM EXISTING PULL BOX ON NORTHEAST CORNER FOR TEMPORARY SIGNALS ON BOTH SPAN A AND SPAN B. SPLICE INTO EXISTING SIGNAL CABLES ON NORTHEAST CORNER. TEMPORARY SIGNALS ARE TO BE CONTROLLED BY EXISTING CONTROLLER. THE CITY TRAFFIC ENGINEERING OPERATIONS WILL MONITOR WIRING OF TEMPORARY SIGNALS TO ASSURE THAT TEMPORARY SIGNAL HEADS ARE CONNECTED TO PROPER PHASES.
- INSTALL NEW LOOP DETECTOR 6"x40" QUAD-RAPOLE INCLUDING SAWCUT, LOOP WIRE AND SEALANT AFTER NEW PAVING IS COMPLETED.
- REMOVE STREET LIGHT FOUNDATION (NO REPLACEMENT). REMOVE EXISTING 2" PVC CONDUIT FROM EXISTING STREET LIGHT FOUNDATION TO EXISTING PULL BOX (NO REPLACEMENT).
- PULL NEW SIGNAL CABLE INCLUDING ONE 7-CONDUCTOR #14 MCC CABLE, ONE SINGLE CONDUCTOR #10 THW CABLE, AND ONE #8 BARE COPPER GROUND WIRE FROM PULL BOX TO PEDESTAL POLE BASE. CONNECT TO EXISTING PEDESTAL SIGNAL WITH NEW 7-CONDUCTOR #14 MCC CABLE.
- INSTALL NEW 2" PVC FOR FUTURE INTERCONNECT.
- INSTALL NEW PULLBOX (SMALL) FOR FUTURE INTERCONNECT. NEW ELECTRICAL PULL BOXES SHALL CONFORM TO CITY STANDARD DETAIL DWG 2521.



RECORD DRAWINGS
DATE 6-7-91

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: COORS WIDENING MODIFICATIONS TO SIGNALS COORS BLVD./QUAIL RD. INTERSECTION			
APPROVALS	ENGINEER	DATE	APPROVALS
DRC CHAIRMAN	R. W. Kane	8/21/90	WATER
TRANSPORTATION	R. W. Kane	8/21/90	WASTE WATER
HYDROLOGY	R. W. Kane	8/21/90	
DRAWING NO.	4006.90	MAP NO.	H-11
SHEET	15	OF	19



NOTES

1. ALL STREET LIGHTING CONSTRUCTION SHALL CONFORM TO THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," EDITION OF 1984, SECTIONS 705, 708, 709, AND 710.
2. CONTRACTOR SHALL COORDINATE INSTALLATION OF STREET LIGHT CONDUITS AND FOUNDATIONS AT THE INTERSECTION OF COORS/QUAIL WITH SIGNAL MODIFICATION WORK.
3. IT IS INTENDED TO PLACE EDGE OF STREET LIGHT FOUNDATION IMMEDIATELY ADJACENT TO RIGHT-OF-WAY LINE TO MAXIMIZE SIDEWALK WIDTH. OFFSET SHOWN MAY BE ADJUSTED IN THE FIELD TO BETTER FIT THE RIGHT-OF-WAY LINE.

LEGEND

PROPOSED	EXISTING	ITEM
		ELECTRICAL PULL BOX
		STREET LIGHT (FOUNDATION ONLY)
		2" CONDUIT - PVC

FHWA Region No.	NEW MEXICO	SHEET NO.	TOTAL SHEETS
6		16	19

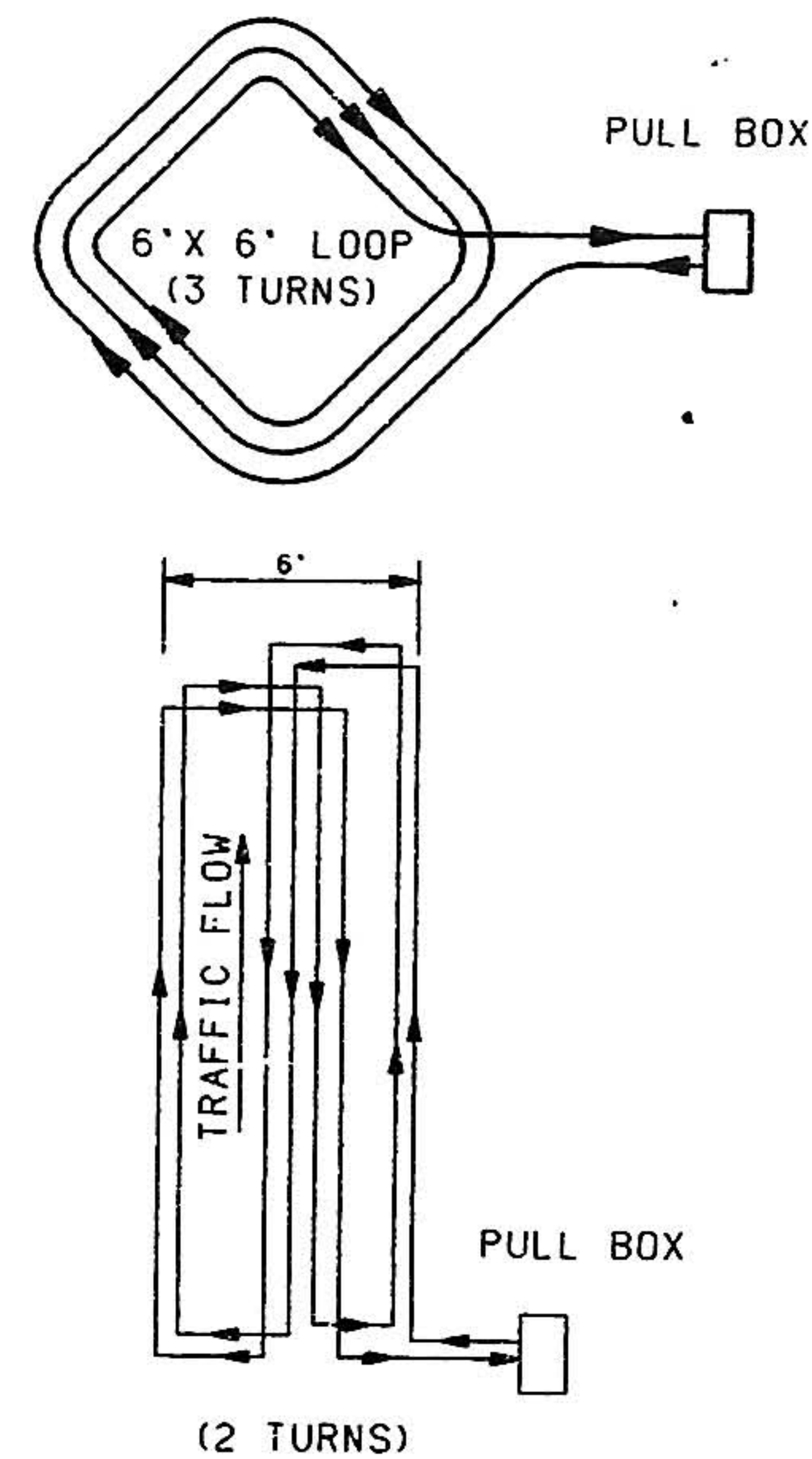
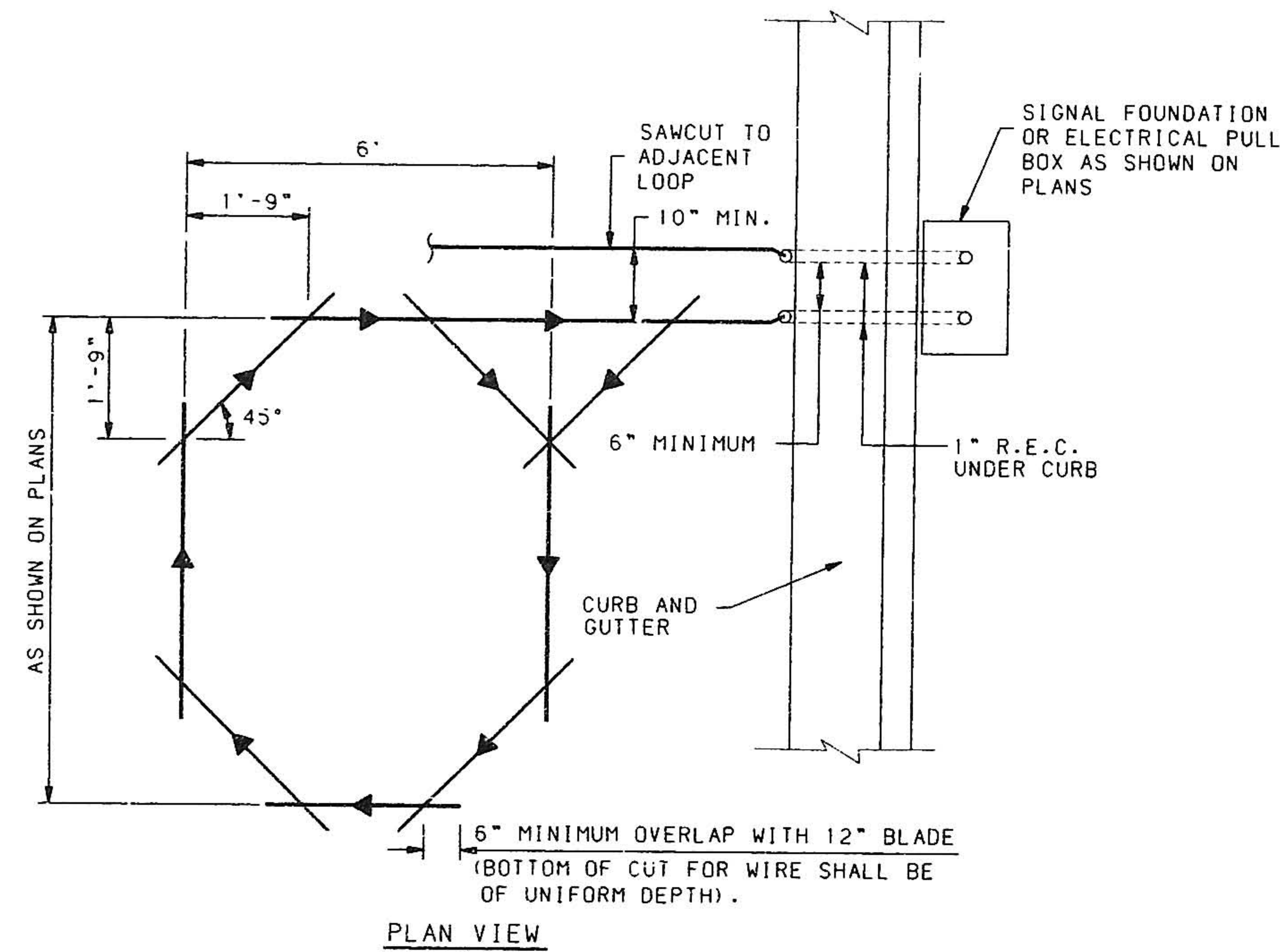
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	C. P. 772	STA. N.M. 448-NAA ELEV. 5104.41	DATE	NO.	BY		
WORKED BY	ELZY	STANDARD N.M.S.H.C. BRASS TABLET SET	DATE				
INSPECTORS		FLUSH WITH THE TOP OF THE MEDIAN					
ACCEPTANCE BY	7/24/91	CURE, LOCATED IN THE NORTH MEDIAN					
VERIFICATION BY	7/24/91	NOSE WITHIN THE COORS BLVD./SEQUOIA ROAD INTERSECTION.					
MICRO-FILM INFORMATION							
RECORDED BY							
DATE							



RECORD DRAWINGS
DATE 6-7-91

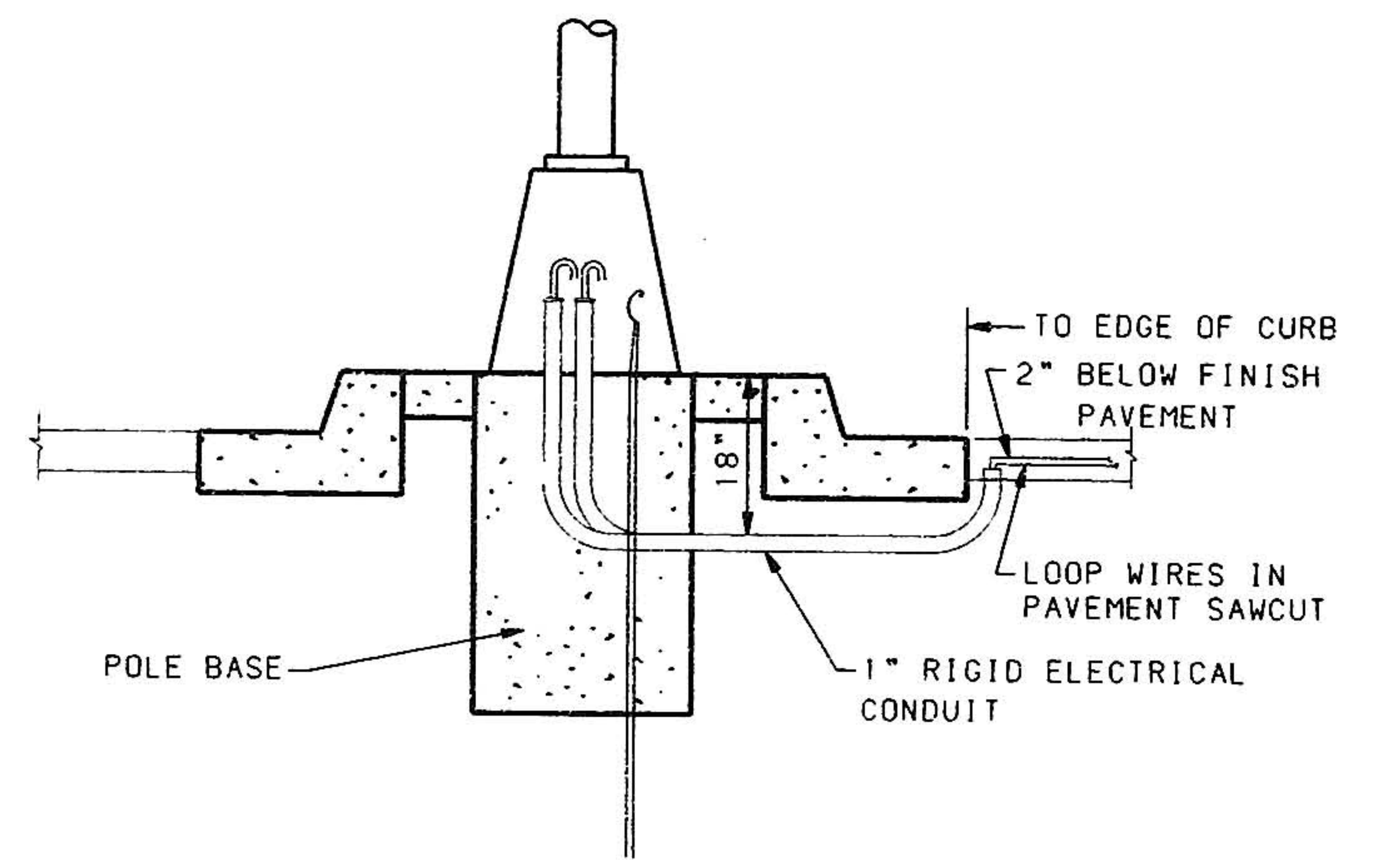
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: COORS WIDENING LIGHTING CONDUITS & BASES PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN		8/22/90	WATER		8-21-90
TRANSPORTATION		8-17-90	WASTE WATER		8-21-90
HYDROLOGY		8/17/90			
DRAWING NO.		MAP NO.	SHEET		OF
4006.90		H-11	16		19

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26 40 06 90 16 91

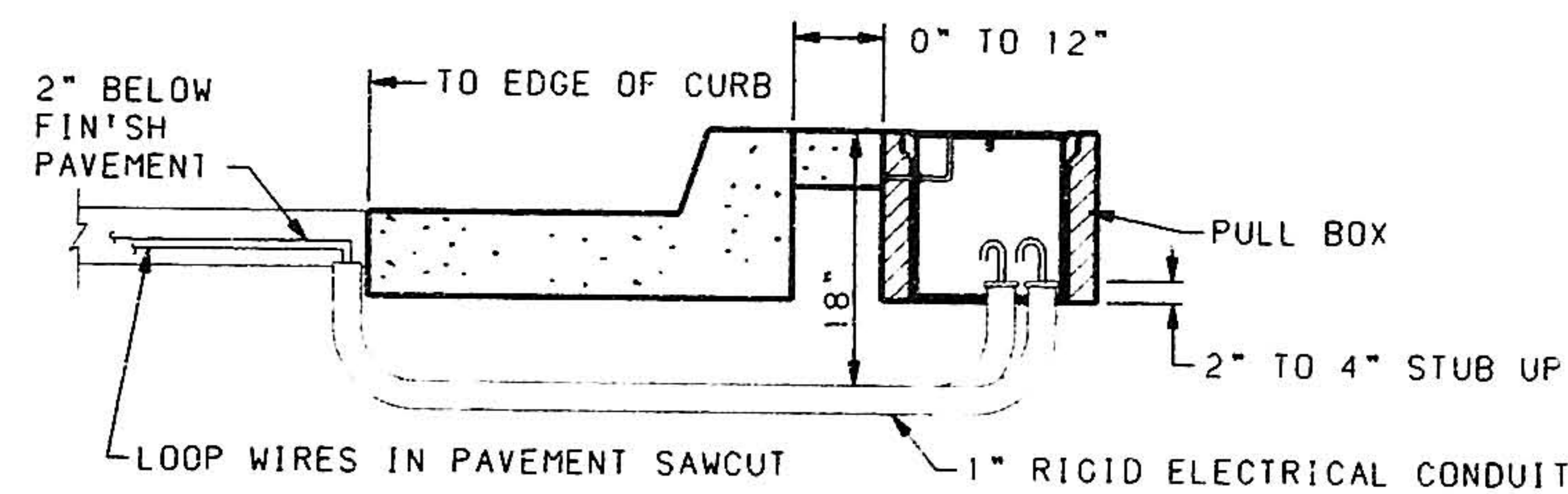


NOTES

- ALL LOOP DETECTOR WIRE SHALL BE NO. 14 AWG STRANDED COPPER WIRE WITH CROSSLINKED POLYETHYLENE INSULATION (INDUSTRY TYPE XHHW) CONFORMING TO THE REQUIREMENTS OF I.M.S.A. SPECIFICATIONS NO. 51-3 1984. BACKER ROD SHALL NOT BE USED IN THE INSTALLATION OF LOOP (EXCEPT PIECES LESS THAN 12" WHICH MAY BE PLACED OVER THE WIRE AT THE SAW CUT CORNERS TO HOLD THE WIRE. A 1/4" LAYER OF SEALANT SHALL BE PLACED IN THE SAWCUT BEFORE PLACEMENT OF THE WIRE AND THEN THE WIRE SHALL BE ENCAPSULATED WITH SEALANT. HOT-MELT RUBBERIZED ASPHALT LOOP DETECTOR SEALANT MANUFACTURED BY CRAFTCO SHALL BE AN ACCEPTABLE SEALANT ALTERNATE.
- ALL LOOP LEAD IN CABLES SHALL BE TAGGED AT CABINET TO IDENTIFY EACH CABLE BY LOOP AND PHASE NUMBER.



NOTE: PROVIDE A SEPARATE 1" CONDUIT FOR EACH LOOP (PAIR OF DETECTOR WIRES) TERMINATION.

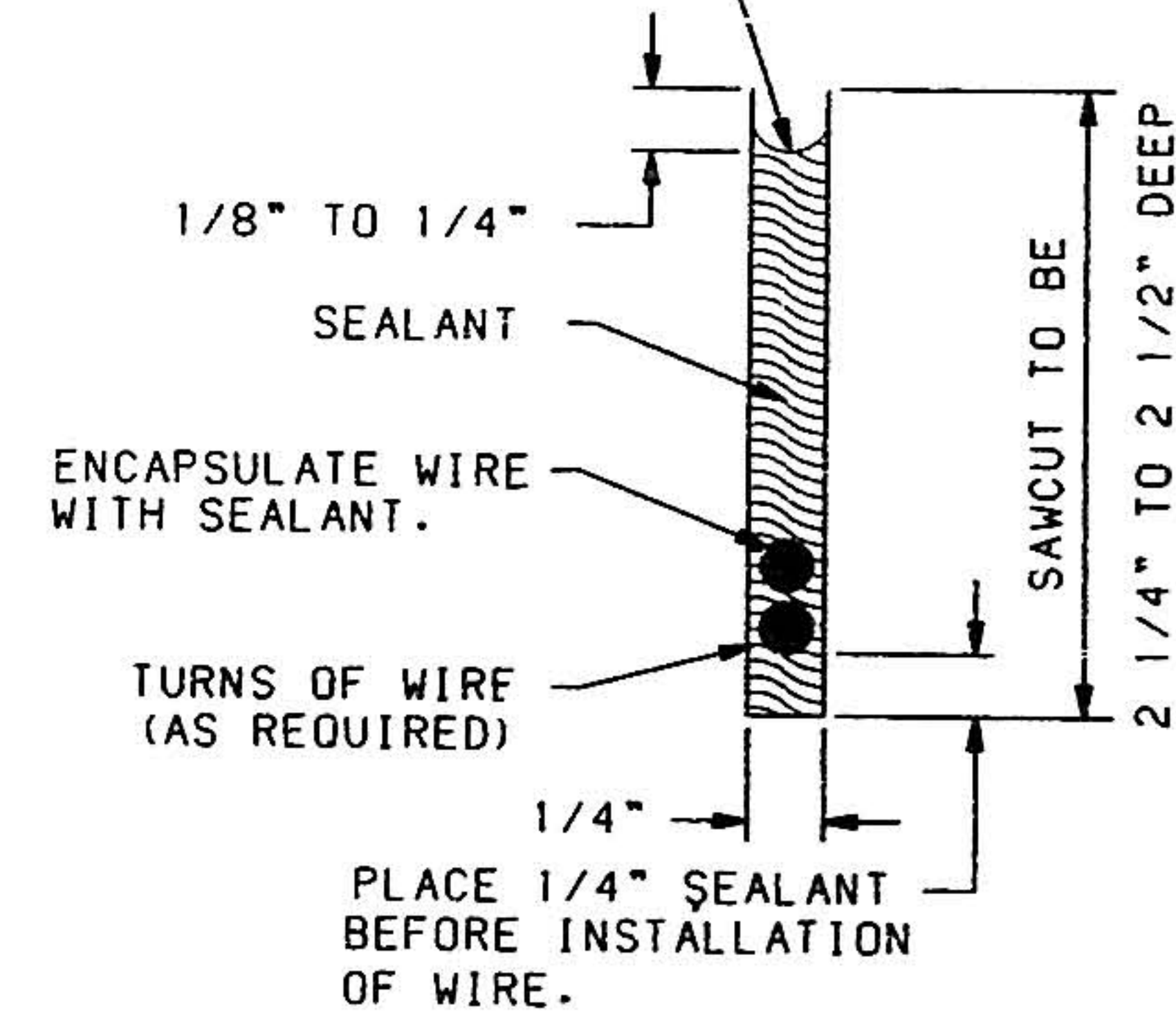


LOOP WIRE TERMINATION DETAILS

NOTE: GROUND LOOP LEAD - IN SHIELD AT CONTROLLER ONLY.

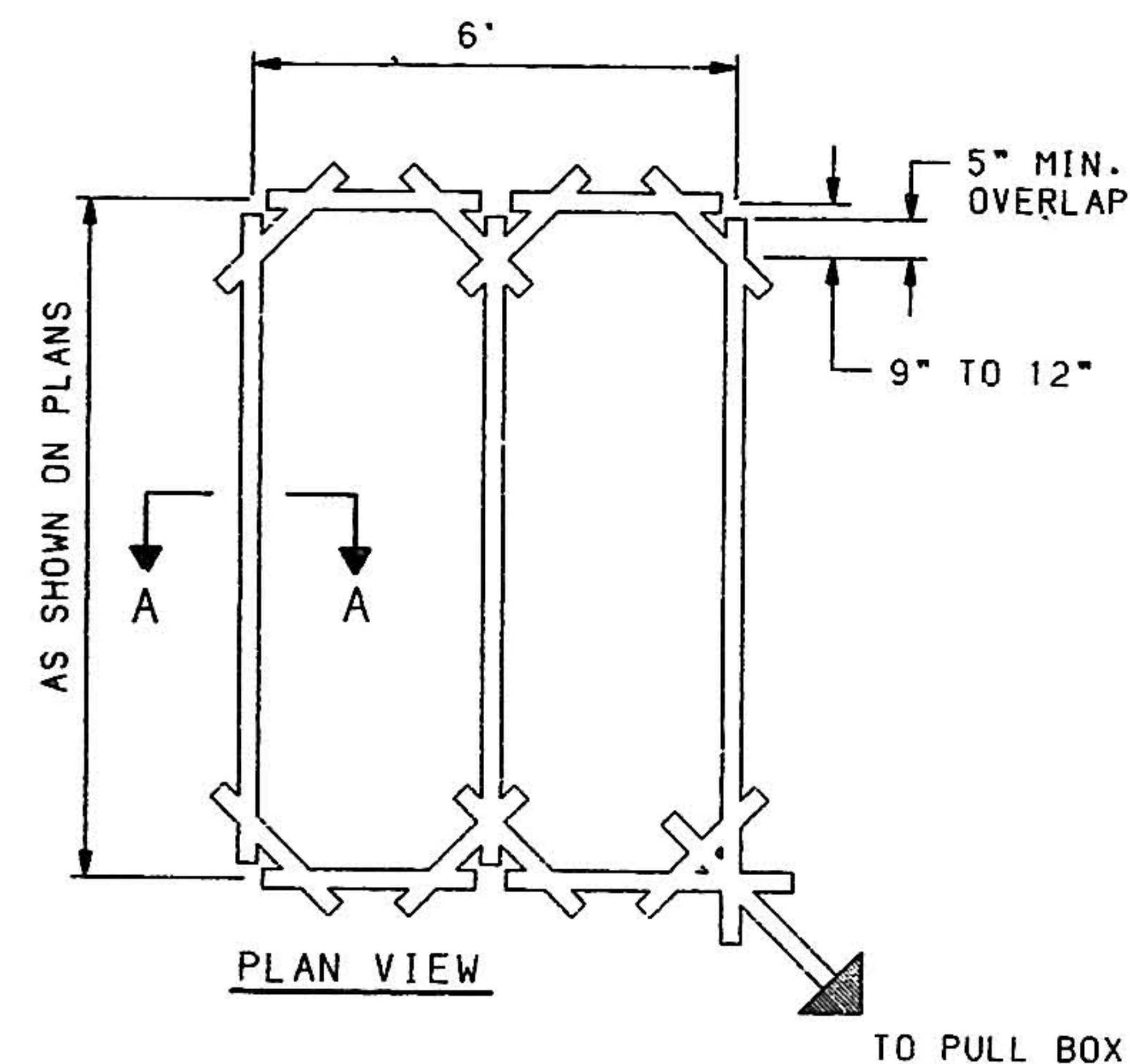
- NOTES:
- WIRES MUST BE WOUND IN IN THE DIRECTION SHOWN.
 - ALL 6x30, 6x40, & 6x50 LOOPS HAVE 2 TURNS. ALL 6x6 LOOPS HAVE 3 TURNS.

STRIKE OFF ANY SEALANT LEFT ON SURFACE OF PAVEMENT



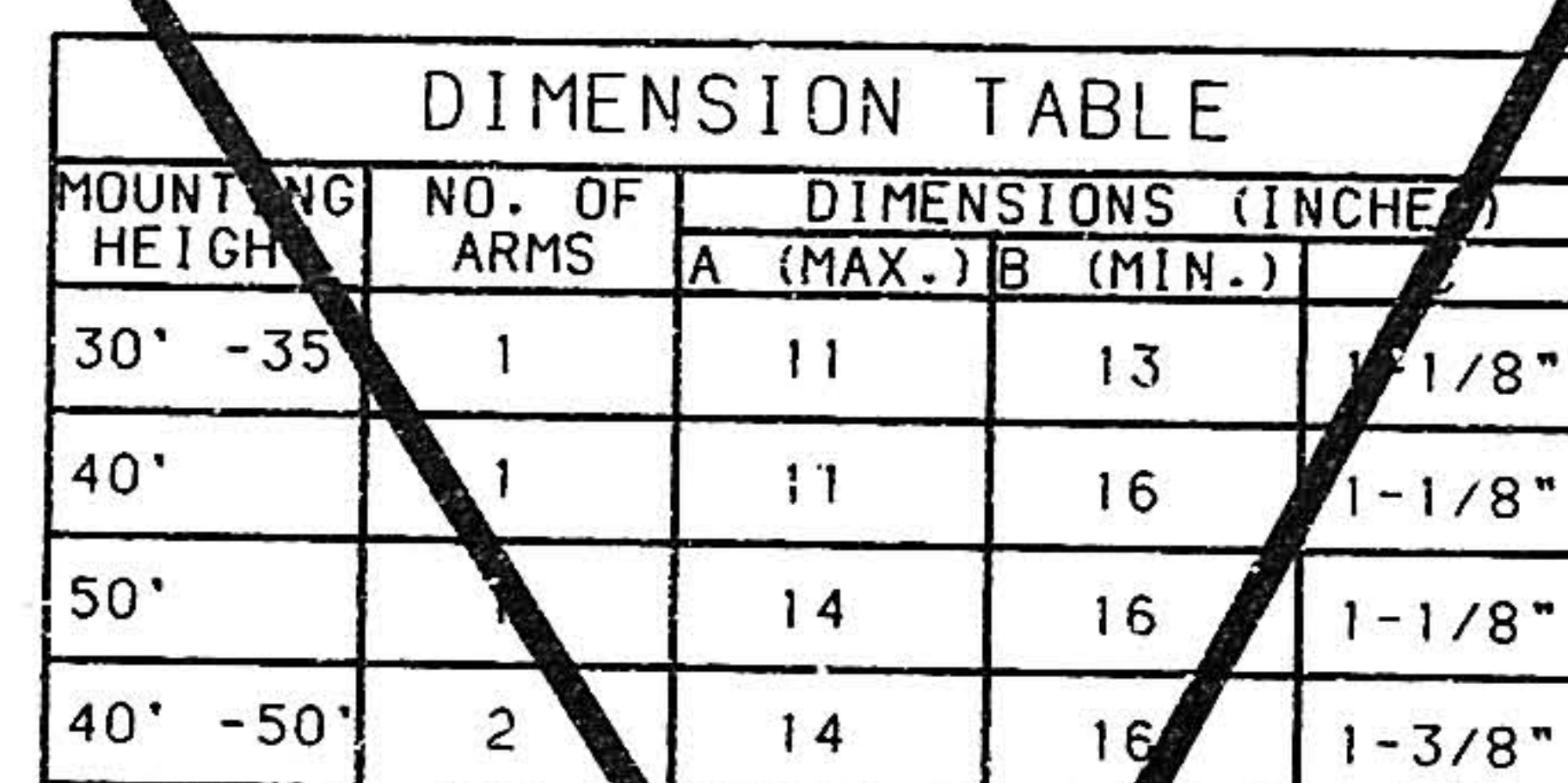
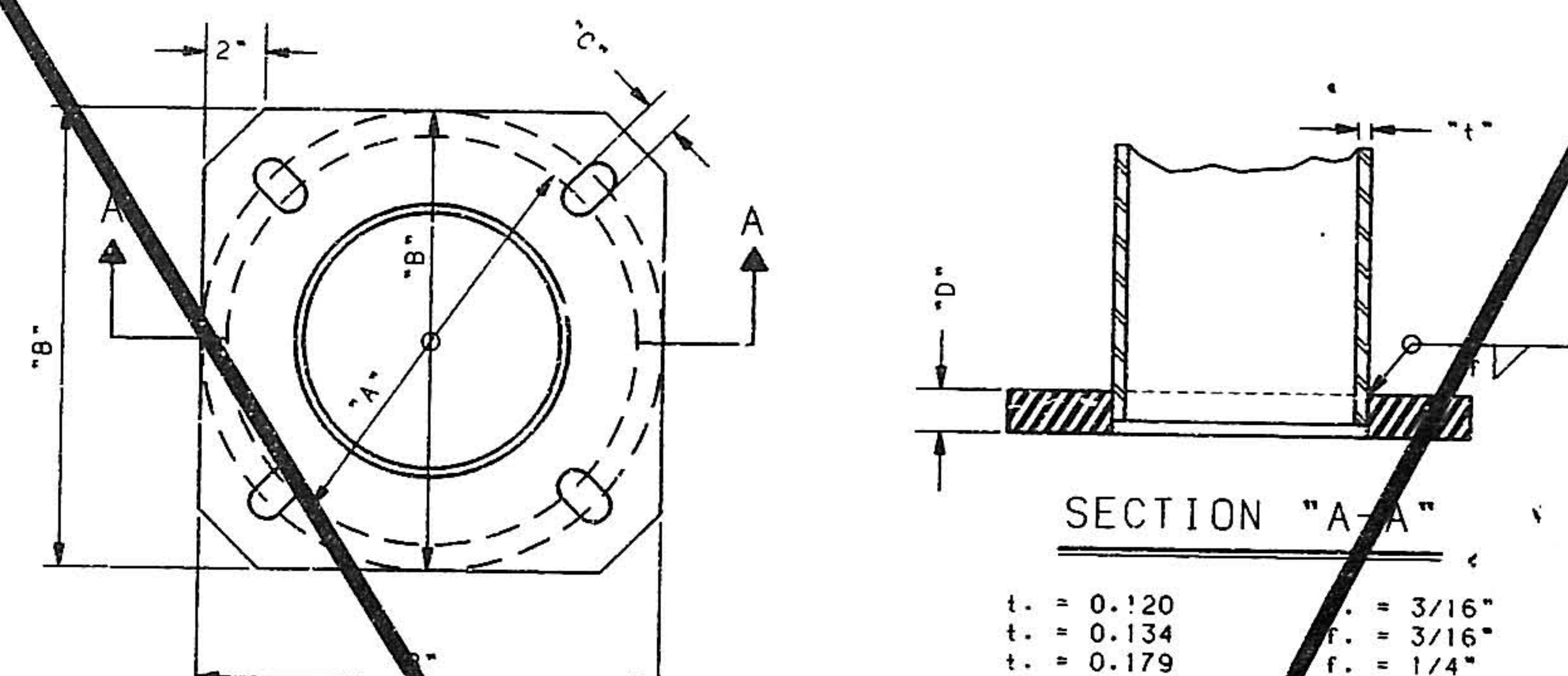
SECTION "A-A"

TYPICAL ROADWAY LOOP SAWCUT DETAIL



RECORD DRAWING
DATE 6-7-91

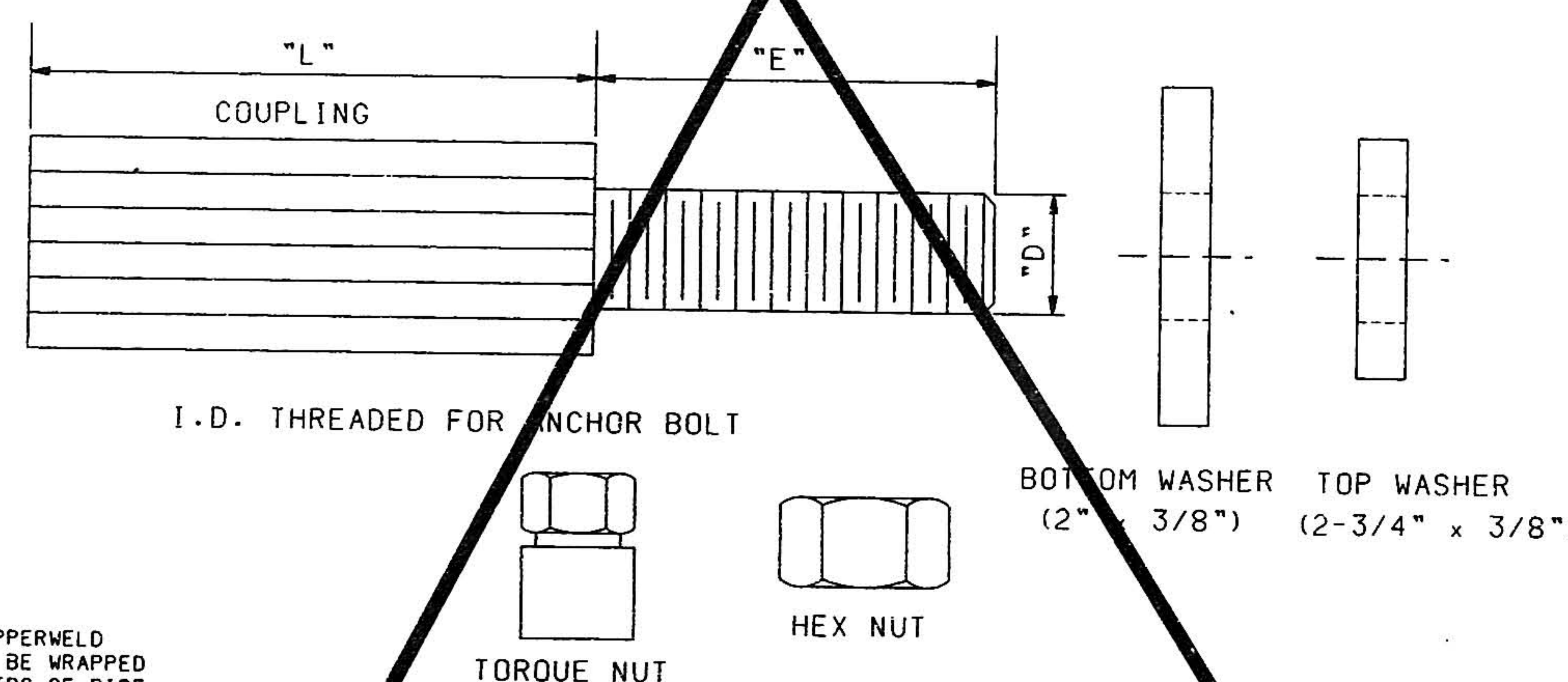
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: COORS WIDENING LOOP DETECTOR DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	R. W. Kane	8/22/90	WATER	R. W. Kane	8-21-90
TRANSPORTATION	R. W. Kane	8-17-90	WASTE WATER	R. W. Kane	8-21-90
HYDROLOGY	R. W. Kane	8/17/90			
DRAWING NO. 4006.90			MAP NO. H-11 SHEET 17 OF 19		



ANCHOR BASE SHALL BE FABRICATED FROM PLATE STEEL
CONFORMING TO ASTM A 36 AND SHALL BE WELDED TO
POLE SHAFT PRIOR TO GALVANIZING SHAFT.

ANCHOR BASE DETAIL

NO SC 5



DIMENSION TABLE

DIMENSION TABLE							
D	THREAD	MINIMUM TENSILE STRENGTH	RESTRAINED SHEAR		NUT TORQUE F ²⁵ FT. LBS.	L	E
			MIN.	MAX.			
"	8 UNC	25 KIPS	30, KIPS	7.5 KIPS	175	4-3.4"	3-5/16"

BREAKAWAY SUPPORT COUPLING SHALL CONFORM TO THE REQUIREMENTS OF AASHTO STANDARDS FOR BREAKAWAY SUPPORTS.

COUPLING SHALL BE FABRICATED FROM EITHER DIE CAST ALUMINUM ALLOY 380 ACCORDING TO ASTM B-85, OR EXTRUDED FROM ALLOY 2024-T8511 ACCORDING TO ASTM A-153.

WASHERS SHALL BE FABRICATED FROM ASTM A-36 STEEL PLATE AND SHALL BE GALVANIZED
ACCORDING TO ASTM A-153.

HEX NUTS SHALL MEET THE REQUIREMENTS OF ASTM A-563 GRADE A. AND ANSI 18.2.2
HEX TYPE AND SHALL BE GALVANIZED ACCORDING TO ASTM A-153.

TORQUE NUT SHALL BE FABRICATED FROM ALUMINUM ALLOY AND GROOVED TO SEPARATE AT THE SPECIFIED TORQUE.

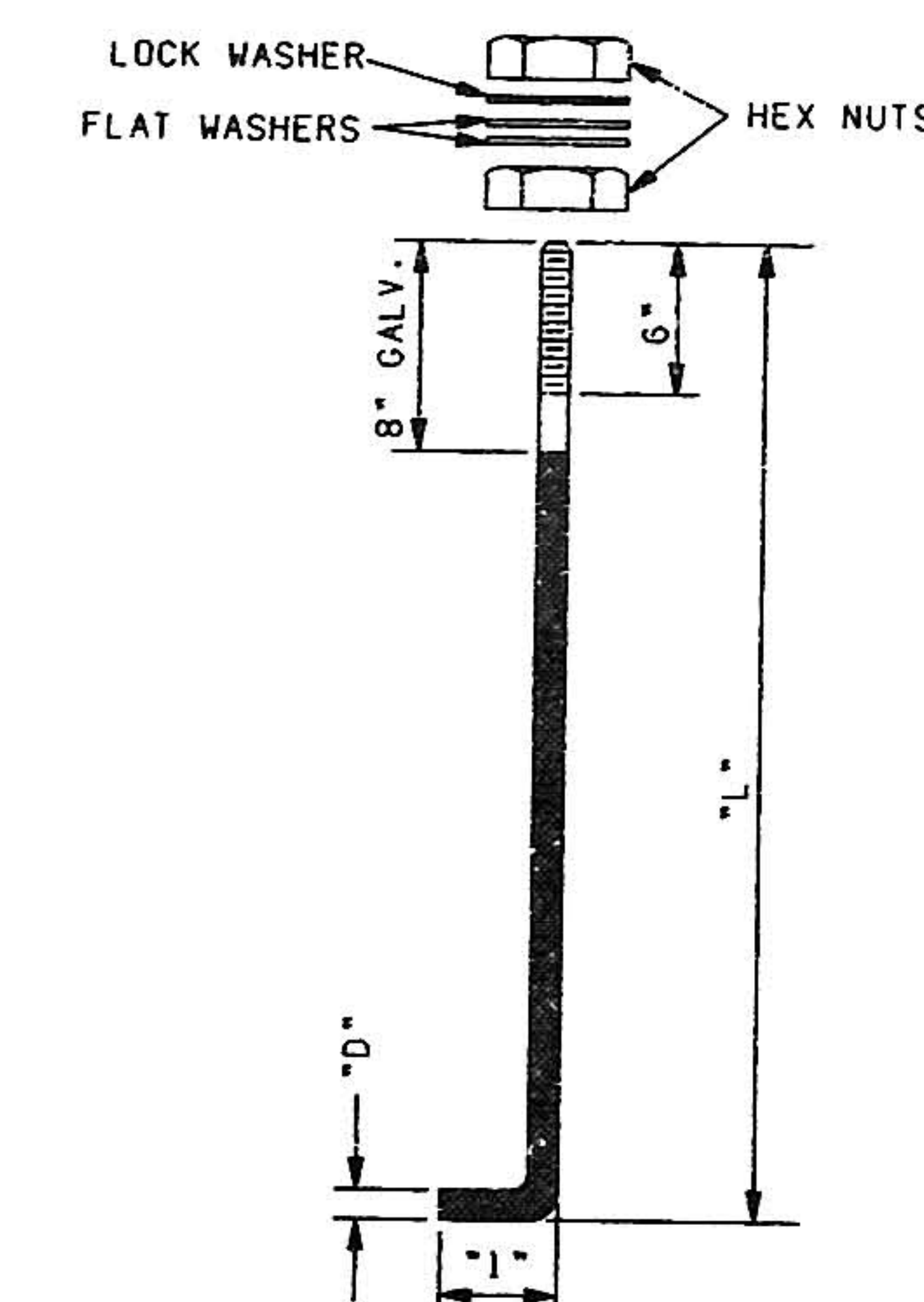
THREADED STUD SHALL MEET THE REQUIREMENT OF ASTM A-675 GRADE 90 AND IS GALVANIZED WITH ASTM A-153. OR IS FABRICATED FROM AISI STAINLESS STEEL.

WHEN COUPLINGS ARE FURNISHED, EACH LIGHT POLE SHALL BE FURNISHED WITH FOUR (4) COUPLINGS AND THREADED STUDS, EIGHT (8) FLAT WASHERS, AND FOUR (4) HEX OR TORQUE NUTS.

BREAKAWAY SUPPORT COUPLING

NO SCALE

1. ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS AS SHOWN WHICH SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE FOUNDATION. NO PRICE OR PAYMENTS SHALL BE MADE THEREFOR.
2. WELDING SHALL BE IN ACCORDANCE WITH SECTION 1.4.2 OF AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS.



DIMENSION TABLE

MOUNTING HEIGHT	NO. OF ARMS	D	L	I	UNC
30" - 50"	1	1"	36	4	8
40"	2	1"	36	4	8
50"	2	1-1/4"	42	6	7

ANCHOR BOLTS SHALL BE HOT BENT AND SHALL MEET THE REQUIREMENTS OF
ASTM A-675 GRADE 90. NUTS MEET THE REQUIREMENTS OF ASTM A-563 GRADE A,
AND ANSI B18.2.

FLAT WASHERS SHALL MEET THE REQUIREMENTS OF ANSI B27.2 HEAVY WASHERS.

LOCK WASHERS SHALL MEET THE REQUIREMENTS OF ANSI B18.21.1 HEAVY WASHERS.

BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153.

FOUR (4) ANCHOR BOLTS, EIGHT (8) HEX NUTS, EIGHT (8) FLAT WASHERS, AND FOUR (4) LOCK WASHERS SHALL BE FURNISHED WITH EACH ANCHOR BASED EQUIPPED POLE.

NUTS, FLAT WASHERS, AND LOCK WASHERS FURNISHED FOR BREAKAWAY SUPPORTS SHALL BE SPECIFIED ON DETAILS.

ANCHOR BOLTS

NO SCALE

• TO BE USED ONLY WHERE BREAKAWAY SUPPORT COUPLINGS ARE NOT REQUIRED.



RECORD DRAWINGS

DATE 6-7-91



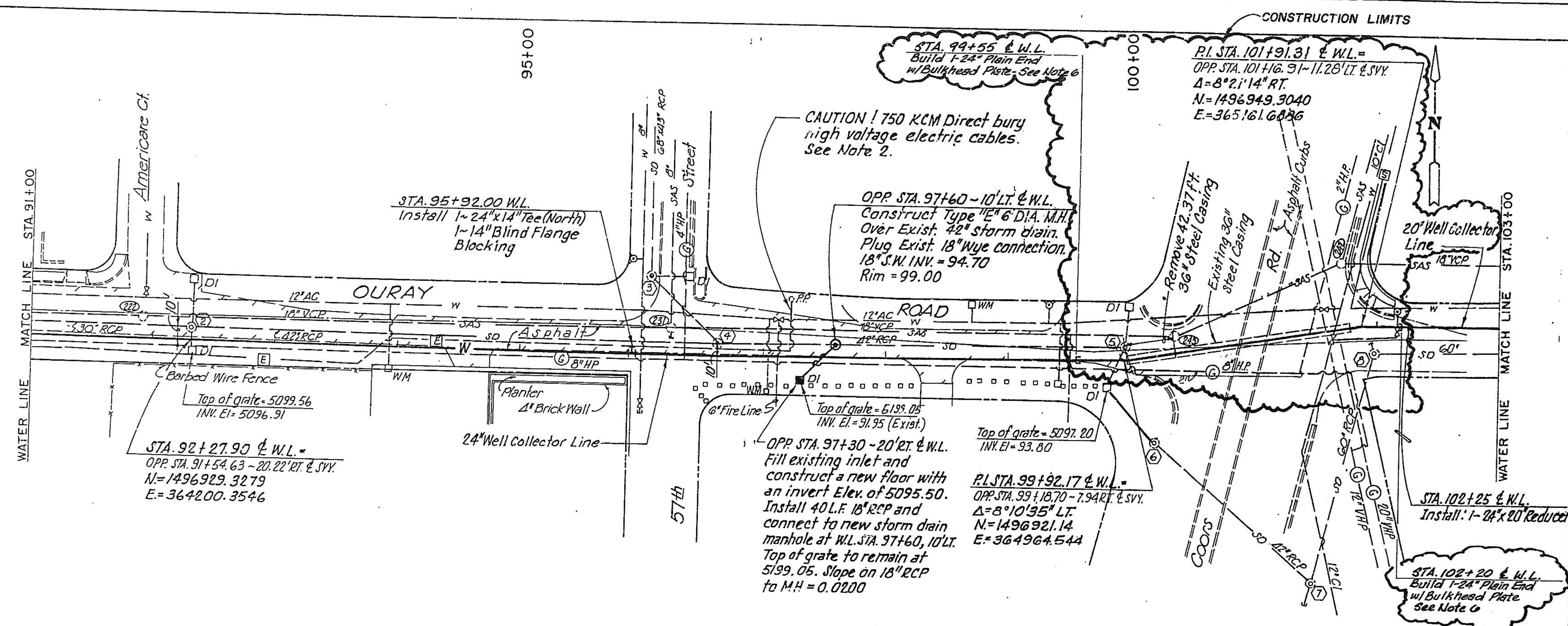
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:	COORS WIDENING TYPE "V" STANDARD & BASE DETAILS
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APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>R. W. Kane</i>	8/22/90	WATER	<i>R. W. Kane</i>	8-21-90
TRANSPORTATION	<i>R. W. Kane</i>	8-17-90	WASTE WATER	<i>R. W. Kane</i>	8-21-90
HYDROLOGY	<i>R. W. Kane</i>	8/17/90			

DRAWING NO.	4006.90	MAP NO.	H-11	SHEET	18	OF	19
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TRAFFIC.CITY.TYPEVFOUND



- NOTES:
1. DEFLECT JOINT AS REQUIRED TO MAINTAIN ALIGNMENT OF TRANSMISSION LINE. MAXIMUM DEFLECTION PER JOINT SHALL NOT EXCEED THAT RECOMMENDED BY PIPE MANUFACTURER.
 2. ONE WEEK PRIOR TO ANY EXCAVATION IN THE VICINITY OF THE 750 KCV ELECTRIC CABLES THE CONTRACTOR WILL NOTIFY PNM REPRESENTATIVE-DAVE WHITE AT 761-3306 AND REQUEST DE-ENERGIZATION OF THE 750 KCV HIGH VOLTAGE CABLES. THE CONTRACTOR SHALL NOTIFY PNM (761-3306) UPON COMPLETION OF THE WORK. UPON NOTIFICATION PNM WILL RE-ENERGIZE THE 750 KCV CABLES.
 3. ANY EXCAVATION WORK IN THE AREA OF THE 12-INCH AND 20-INCH HIGH PRESSURE GAS LINES SHALL REQUIRE THE PRESENCE OF GAS COMPANY OF NEW MEXICO REPRESENTATIVES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT GAS COMPANY REPRESENTATIVES MARK BROGER (632-3311 IN BLOOMFIELD) OR ALBUQUERQUE AREA CONTACTS MIKE GONZALES OR ERMINIO GURULE (836-5333 OR 888-8361).
 4. CONSTRUCTION ON THIS PROJECT IS LIMITED TO THE AREA BOUNDED BY THE CLOUD ENVELOPE.
 5. ONLY NOTES ENCLOSED BY CLOUDING APPLY TO THIS PROJECT. ALL OTHER NOTES ARE NOT IN THIS PROJECT.
 6. BULKHEAD PLATE TO WITHSTAND DESIGN WATER PRESSURE AND TO BE PER MANUFACTURER'S STANDARDS.

EXISTING STORM DRAIN M.H. DATA

2. Rim El. = 5100.30
N. INV. = 93.29 S. INV. = 94.29
E. INV. = 93.29 W. INV. = 93.56
3. Rim El. = 5100.54
INV. = 5094.03
4. Rim El. = 5099.92
N.W. INV. = 89.89 E. INV. = 89.80
W. INV. = 90.00
5. Rim El. = 5097.90
N. INV. = 94.40 W. INV. = 78.63
S.W. INV. = 91.01 S.E. INV. = 85.60
6. Rim El. = 5097.5 ±
INV. = 84.05
7. Rim El. = 5097.46 S. INV. = 78.63
N.E. INV. = 79.46
N.W. INV. = 79.46

EXISTING SANITARY MH DATA

22. No data - Not found in field
23. Rim El. = 5100.43
N. INV. = 91.13 (Dry)
S. INV. = 91.25 (Dry)
E. INV. = 90.37
W. INV. = 90.28
24. Rim El. = 5097.76
E. INV. = 5090.87
W. INV. = 5090.79
25. Rim El. = 5098.86
E. INV. = 5091.06 S.W. INV. = 5090.99

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: COORS WIDENING
24" LINE INSTALLATION FOR GONZALES WELL NO. 2
TRANSMISSION LINE-CROSSING COORS BLVD. AT OURAY RD.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	8/22/90	WATER	R.W. Kane	8-21-90	
TRANSPORTATION	8-17-90	WASTE WATER	R.W. Kane	8-21-90	
HYDROLOGY	8/17/90				

DRAWING NO. 4006.90 MAP NO. H-11 SHEET 19 OF 19

