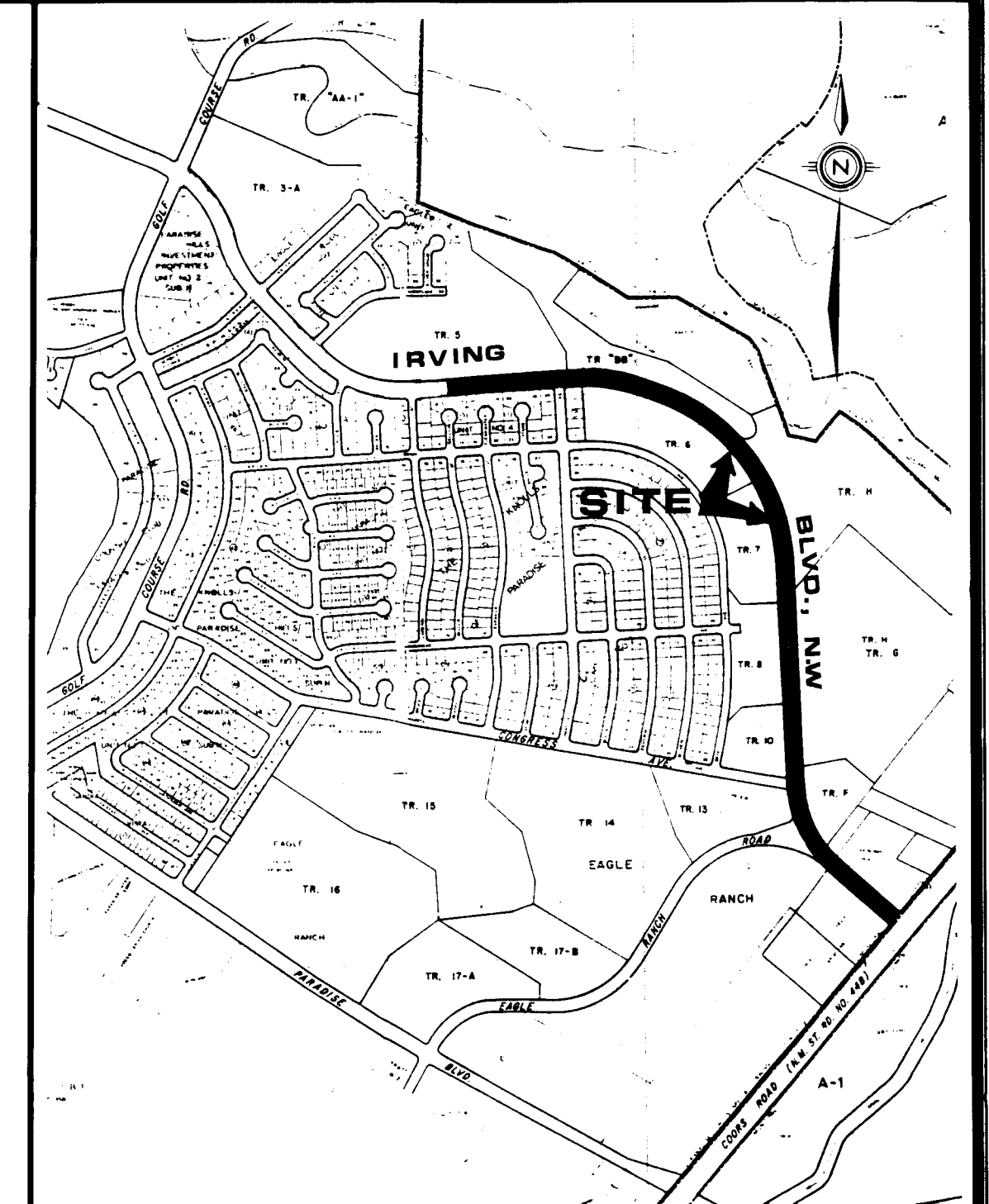


IRVING BOULEVARD, N.W. IMPROVEMENTS

ALBUQUERQUE, NEW MEXICO

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET & INDEX TO DRAWINGS
2	COMPOSITE PLAN / INDEX
3-4	PAVING REMOVAL - IRVING BOULEVARD, N.W.
5-10	IRVING BOULEVARD, N.W. - PLAN & PROFILES
	INTERSECTION DETAILS
11	CHANTILLY ROAD, N.W.
12	DETAILS
13-18	UTILITY PLAN AND PROFILE



VICINITY MAP

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 CITY OF ALBUQUERQUE 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 AND EXISTING PAVEMENT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.

RECORD DRAWING AS BUILT

NOTE: AS BUILT CERTIFICATION IS BASED UPON PERIODIC CONSTRUCTION MONITORING, NOT FULLTIME, PROFESSIONAL, CONSTRUCTION INSPECTION. AS SUCH THIS CERTIFICATION REFERS TO READILY AVAILABLE LOCATIONAL AND ELEVATION DATA, AND MATERIAL CHARACTERISTIC ASPECTS OF THE WORK AND IS NOT INTENDED TO VERIFY EITHER SPECIFIC DETAILS OR QUALITY OF CONSTRUCTION. IN ADDITION THE DRAWING MAY CONTAIN INFORMATION GATHERED BY CITY INSPECTORS WHICH I CANNOT VERIFY.

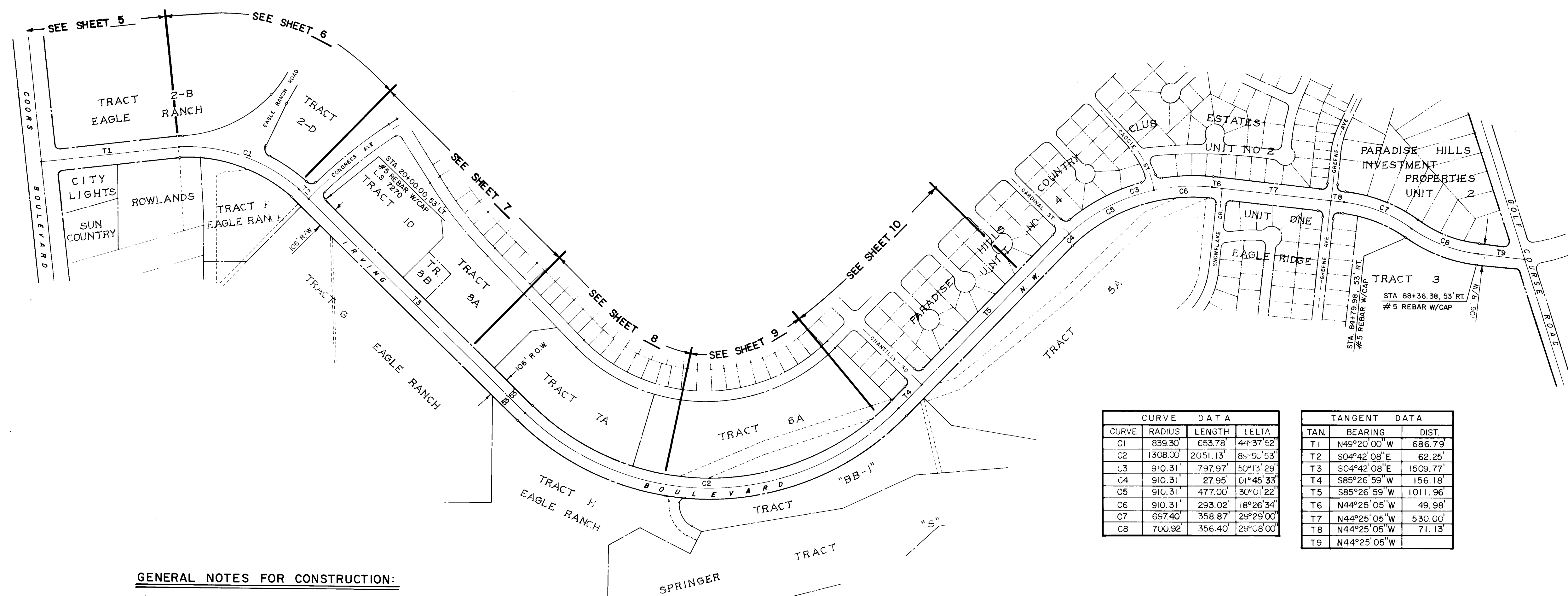
1 2 3 4 5 6 7 8 9 10 11 12
26 32020187

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Russell B. Johnson
DATE 10-5-87

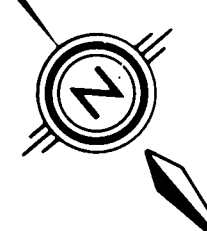
[Signature] 12/87
CERTIFIED
7270
DATE

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

ENGINEER'S SEAL <i>[Signature]</i> 4/8/87	DATE: 3-87 SCALE: N.T.S. DESIGNED: PL DRAWN: W.L.W. JOB NO: 13-43-PRE	APPROVED FOR CONSTRUCTION <i>[Signature]</i> CITY ENGINEER 5/1/87 DATE
PROJECT NO. 3202	SHEET OF 1 18	



SCALE: 1"=300'



CURVE DATA			
CURVE	RADIUS	LENGTH	DELTA
C1	839.30	653.78	44°37'52"
C2	1308.00	2051.13	87°50'53"
C3	910.31	797.97	50°13'29"
C4	910.31	27.95	01°45'33"
C5	910.31	477.00	30°01'22"
C6	910.31	293.02	18°26'34"
C7	697.40	358.87	29°29'00"
C8	700.92	356.40	29°08'00"

TANGENT DATA		
TAN.	BEARING	DIST.
T1	N49°20'00"W	686.79
T2	S04°42'08"E	62.25
T3	S04°42'08"E	1509.77
T4	S85°26'59"W	156.18
T5	S85°26'59"W	1011.96
T6	N44°25'05"W	49.98
T7	N44°25'05"W	530.00
T8	N44°25'05"W	71.13
T9	N44°25'05"W	

GENERAL NOTES FOR CONSTRUCTION:

- STATIONS FOR DROP INLETS REFER TO CENTER OF GRATE.
- ALL MANHOLES SHALL BE FURNISHED WITH BENCHWORK EXTENDING TO PIPE SOFFITS.
- ALL TEMPORARY CURB PROTRUDING INTO NEW PAVEMENT AREAS SHALL BE REMOVED AND DISPOSED.
- ALL R.C.P. SHALL BE A.S.T.M. CLASS III (WALL C).
- ALL ROADWAY AND TRENCH FILL SHALL BE COMPACTED TO A MINIMUM DENSITY OF 90% OF OPTIMUM (MODIFIED) A.S.T.M.-D1557.
- DOUBLE A INLETS SHALL BE ORIENTED SUCH THAT THE EXTENDED-CURB-OPENING PORTION PROTRUDES IN AN UPSTREAM DIRECTION, THAT IS INTO THE DIRECTION OF ONCOMING GUTTER FLOWS.
- ALL MEDIAN CURB SHALL BE 6" EXTRUDED ASPHALT EXCEPT AT MEDIAN CUT NOSES. NOSES SHALL BE CONSTRUCTED OF PERMANENT, TYPE 1, CONCRETE MEDIAN CURB AND GUTTER. SEE PLANS FOR EXACT LIMITS.
- CONSTRUCTION AND RE-CONSTRUCTION IN THE VICINITY OF PRIVATE PROPERTY AND LANDSCAPING IMPROVEMENTS (INCLUDING PRIVATE IMPROVEMENTS ENCRDACHING WITHIN THE R.O.W.) SHALL BE CONDUCTED IN A MANNER TO MINIMIZE DISTURBANCE OF AND/OR DAMAGE TO THESE IMPROVEMENTS. ANY SUCH DAMAGE OR DISTURBANCE SHALL BE CORRECTED AND REPAIRED AS PART OF THE CONTRACTOR'S UNIT PRICES FOR THE APPURTENANT STREET IMPROVEMENTS.
- PAVEMENT REMOVAL LIMITS INDICATED ON THE PLANS SHALL BE THE BASIS FOR CALCULATING PAYMENT QUANTITIES UNLESS A CHANGE ORDER IS SPECIFICALLY APPROVED EXTENDING THESE LIMITS.
- SAWCUTTING, WHERE SPECIFIED, SHALL BE ACCOMPLISHED WITH A MASONRY SAW. IF THE CONTRACTOR WISHES TO UTILIZE A DISK CUTTING METHOD AS AN ALTERNATE, A PLAN DETAILING PROCEDURE AND EQUIPMENT PROPOSED SHALL BE SUBMITTED TO THE CITY FOR APPROVAL, WITH A CORRESPONDING BID PRICE REDUCTION SUBMITTED TO THE OWNER FOR CONSIDERATION.

GENERAL NOTES FOR TRAFFIC CONTROL:

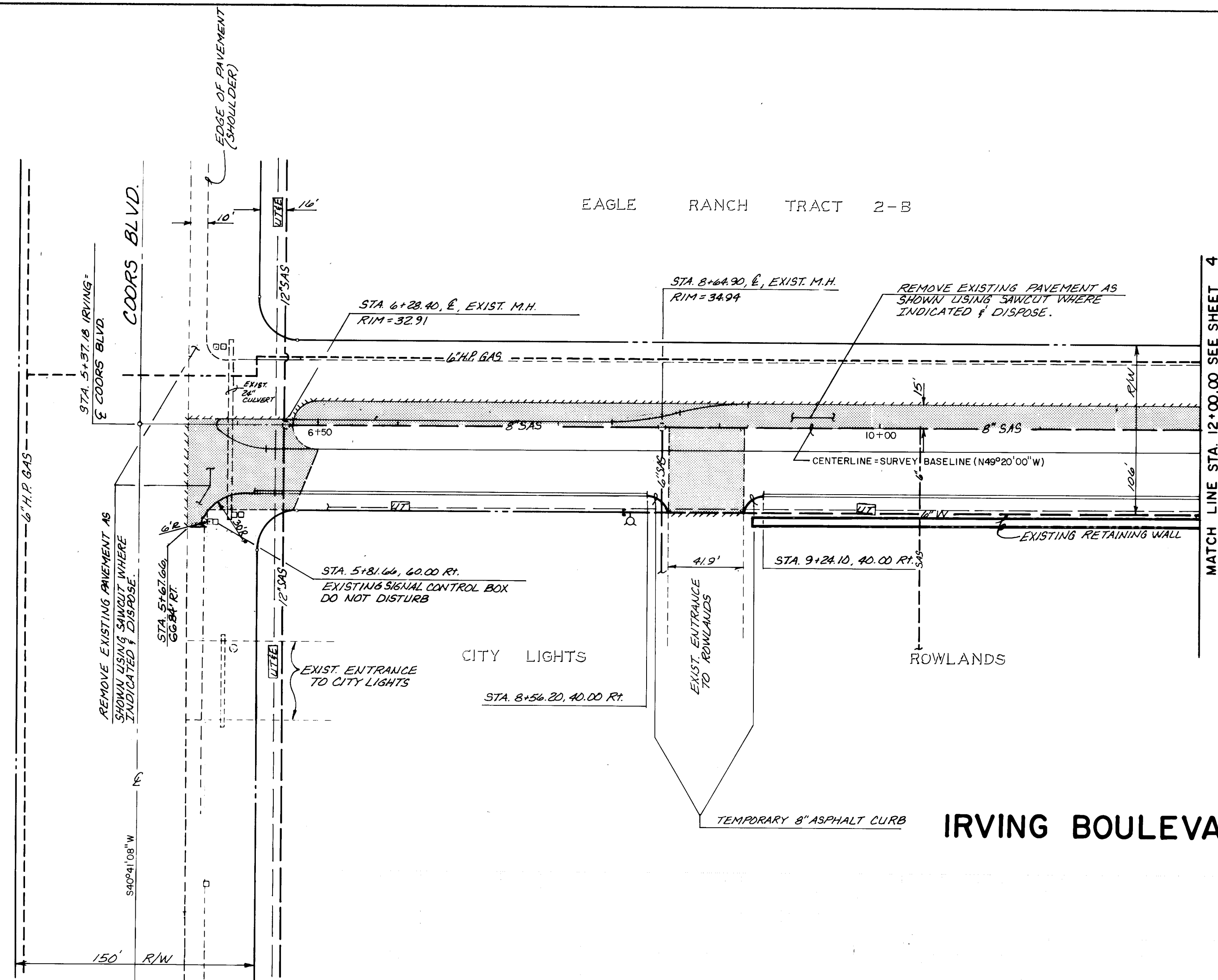
- ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH CHAPTER VI OF THE 1978 EDITION OF THE "MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES".
- TRAFFIC CONTROL DEVICES REQUIRED AFTER DARK ARE TO BE EQUIPPED WITH WARNING LIGHTS. TYPE (A) FLASHING WARNING LIGHTS SHALL BE USED ON ALL ADVANCE WARNING SIGNS AND ON ALL DEVICES WHICH ARE INTENDED TO WARN MOTORIST OR PEDESTRIANS OF HAZARDS OR OBSTRUCTIONS IN OR NEAR THE TRAVEL PATH. TYPE (C) STEADY BURN LIGHTS SHALL BE USED ON ALL DEVICES WHICH ARE INTENDED TO DEFINE THE TRAVEL PATH.
- PERMITS TO BARRICADE OR DETOUR TRAFFIC MUST BE OBTAINED FOR EACH PHASE OF CONSTRUCTION THROUGH THE TRAFFIC ENGINEERS OFFICE AT LEAST 24 HOURS IN ADVANCE OF CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL INSPECT AND MAINTAIN ALL BARRICADES AT LEAST ONCE EACH DAY EXCEPT FOR BARRICADES ON OR ADJACENT TO ARTERIAL AND COLLECTOR STREETS WHICH SHALL BE CHECKED TWICE DAILY, INCLUDING INSPECTION DURING HOURS OF DARKNESS.
- UNLESS OTHERWISE PROVIDED AS PART OF THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE PROJECT ENGINEER A DETAILED TRAFFIC CONTROL PLAN, WHICH IS SUBJECT TO THE APPROVAL OF THE CITY TRAFFIC ENGINEER, 3 WORKING DAYS IN ADVANCE OF ANY REQUIRED CLOSURES.
- A MINIMUM WIDTH OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ONE DIRECTION.

LEGEND

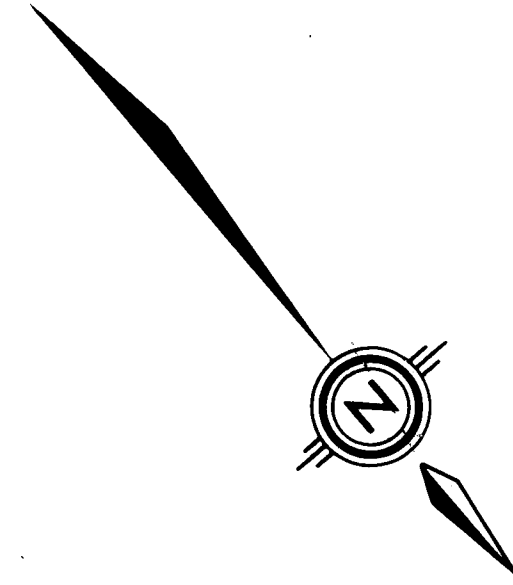
- TEMPORARY PAVING
- MEDIAN AREA
- PAVEMENT REMOVAL
- ARTERIAL PAVING
- SIDE SLOPE
- SAWCUT LINE
- EXISTING CURB AND GUTTER
- EXISTING MEDIAN CURB (ASPHALT)
- FUTURE CURB AND GUTTER
- EXISTING UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND TELEPHONE
- LIMITS OF PAYMENT FOR CURB & PAVEMENT REMOVAL & REPLACEMENT ASSOCIATED W/ UTILITY CONSTRUCTION
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER / MANHOLE
- EXISTING GAS LINE
- EXISTING WATER LINE
- EXISTING STORM DRAIN / MANHOLE
- PROPOSED STORM DRAIN
- PROPOSED CATCH BASIN
- EXISTING CATCH BASIN
- EXISTING OVERHEAD POWER/TELEPHONE
- BLOCK WALL

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	COMMUNITY SCIENCES CORP., T.B.M.	DATE	NO.	BY	DATE	NO.	BY	DATE	NO.	BY	DATE
WORK STARTED BY	CHISELED "X" IN THE NORTH BONNET BOLT OF THE	DATE									
FIELD ACCEPTANCE BY	FIRE HYDRANT LOCATED AT THE EAST SIDE OF	DATE									
REVISION BY	THE EAST ENTRANCE OF ROWLANDS NURSERY.	DATE									
CHECKED BY	ELEV. = 5036.22	DATE									
RECORDED BY	CHISELED "X" IN THE NORTH BONNET BOLT OF THE	DATE									
	FIRE HYDRANT LOCATED AT THE SOUTHWEST	DATE									
	CORNER OF THE INTERSECTION OF GREENE AND	DATE									
	IRVING. ELEV. = 5218.83	DATE									

CITY OF ALBUQUERQUE			PUBLIC WORKS DEPARTMENT		
ENGINEERING GROUP			COMPOSITE PLAN/INDEX		
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	4/2/87	4/2/87	N.M. Utilities	4/2/87	4/2/87
Trans. Dev.	4/2/87	4/2/87			
Utility Dev.	4/2/87	4/2/87			
DRAWING NO.	3202	MAP NO.	B-12,13 & C-13	SHEET	2 OF 18



IRVING BOULEVARD, N.W.



26 32020387

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

community
sciences
corporation

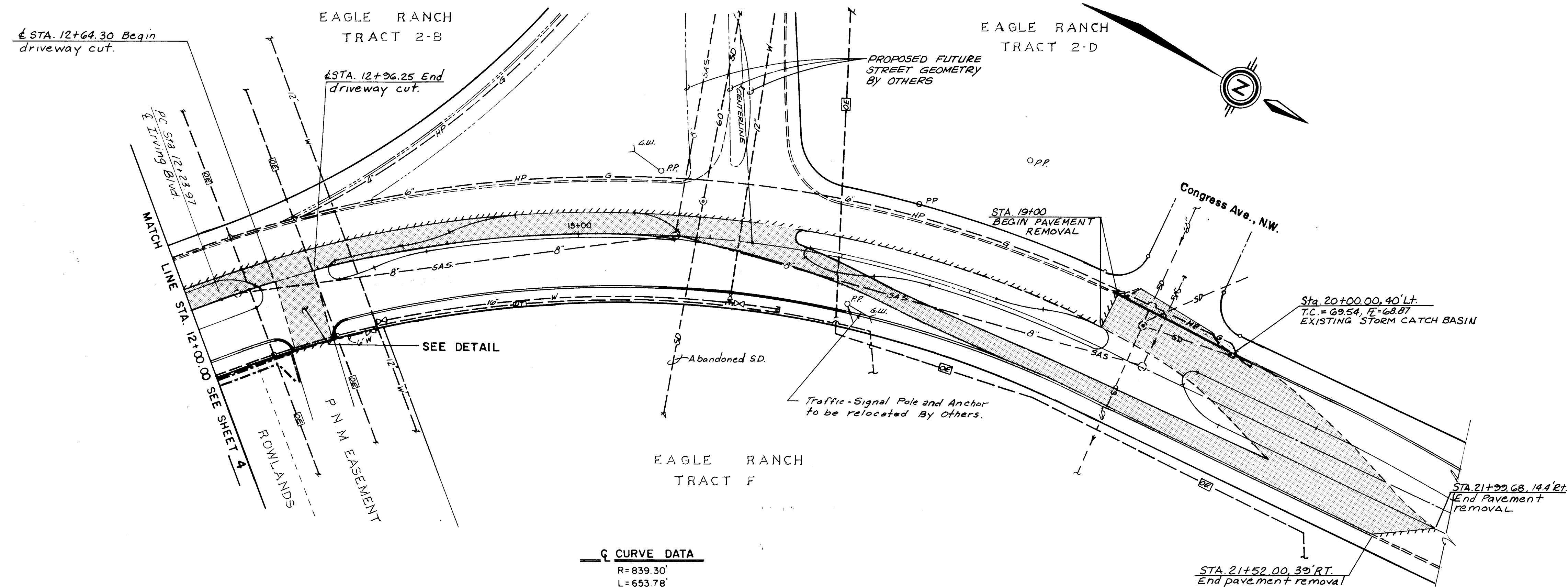
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: IRVING BOULEVARD IMPROVEMENTS
PAVEMENT REMOVAL PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	4/24/87	N.M. Utilities		
Trans. Dev.	<i>[Signature]</i>	4/15/87			
Utility Dev.	WFW	4-27-87			
Hydrology	N/A	4/27/87			

DRAWING NO. 3202 MAP NO. C-13 SHEET 3 OF 18

ENGINEER'S SEAL			SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
			FIELD NOTES			COMMUNITY SCIENCES CORP. T.B.M.			CONTRACTOR		
			NO.	BY	DATE	CHISELED "X" IN THE NORTH BONNET BOLT OF THE FIRE HYDRANT LOCATED AT THE EAST SIDE OF THE EAST ENTRANCE OF ROWLANDS NURSERY. ELEV. = 5036.22			WORK STARTED BY		
REVISIONS						CHISELED "X" IN THE NORTH BONNET BOLT OF THE FIRE HYDRANT LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF GREENE AND IRVING. ELEV. = 5218.83			ACCEPTED BY		
									DATE		
DESIGNED BY PL									DATE		
DRAWN BY MZG									DATE		
CHECKED BY									DATE		



IRVING BOULEVARD, N.W.

Q CURVE DATA
R=839.30'
L=653.78'
Δ=44°37'52"

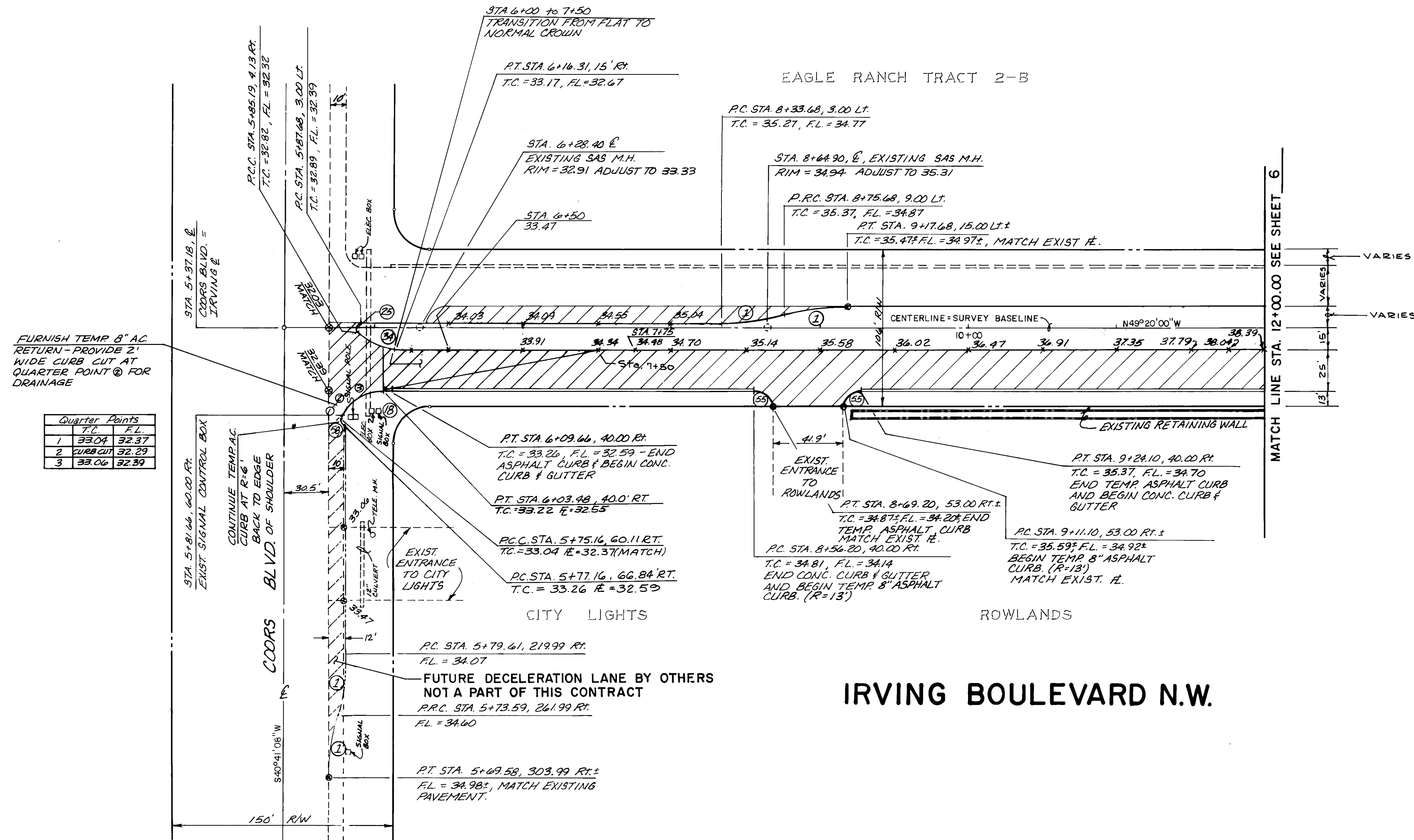
26 32020487

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

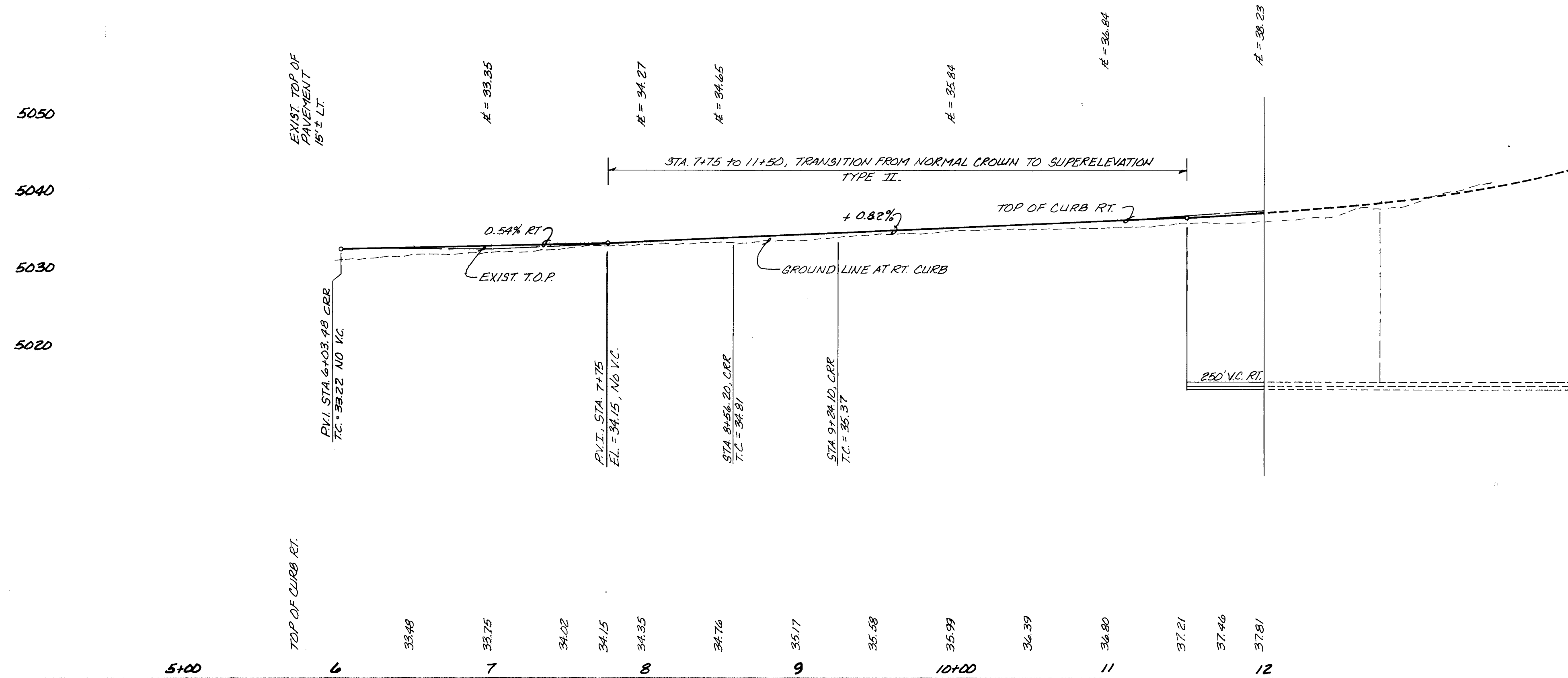
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: IRVING BOULEVARD IMPROVEMENTS PAVEMENT REMOVAL PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	4/18/87	N.M. Utilities		
Trans. Dev.	<i>[Signature]</i>	4/18/87			
Utility Dev.	<i>[Signature]</i>	4-27-87			
Highway	<i>[Signature]</i>	4/23/87			
DRAWING NO.	3202	MAP NO.	C-13, B-13	SHEET	4 OF 18

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION											
	NO.	BY	DATE	NO.	DATE	CONTRACTOR	DATE										
								REMARKS	NO.	DATE	CONTRACTOR	DATE					
													DESIGN	NO.	DATE	CONTRACTOR	DATE
DRAWN BY	DATE	CHECKED BY	DATE														

Curve	Radius	Arc	Delta
1	150'	42.57'	16°15'37"
17	30'	47.13'	90°01'08"
18	30'	37.05'	70°45'31"
25	4'	9.66'	141°00'30"
34	50'	33.60'	38°30'00"
55	15'	20.42'	90°00'00"
58	6'	7.49'	71°34'00"



NOTE: MEDIAN T.C. ELEVATIONS ARE LOCATED 25' APART (IN VERTICAL CURVES) AND 50' APART (IN VERTICAL TANGENTS) EXCEPT WHERE SPECIFIC STATIONS INDICATE OTHERWISE.



RECORD DRAWING AS BUILT

NOTE: AS BUILT CERTIFICATION IS BASED UPON PERIODIC CONSTRUCTION MONITORING, NOT FULLTIME, PROFESSIONAL, CONSTRUCTION INSPECTION. AS SUCH THIS CERTIFICATION REFERS TO READILY AVAILABLE LOCATIONAL AND ELEVATION DATA, AND MATERIAL CHARACTERISTIC ASPECTS OF THE WORK AND IS NOT INTENDED TO VERIFY EITHER SPECIFIC DETAILS OR QUALITY OF CONSTRUCTION. IN ADDITION THE DRAWING MAY CONTAIN INFORMATION GATHERED BY CITY INSPECTORS WHICH I CANNOT VERIFY.

CERTIFIED BY: *[Signature]* DATE: 4/15/87

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

community sciences corporation

LAND PLANNING, ENGINEERING, SURVEYING, P.O. Box 1378, Corvallis, Ore. 97331-0138

26 32020587

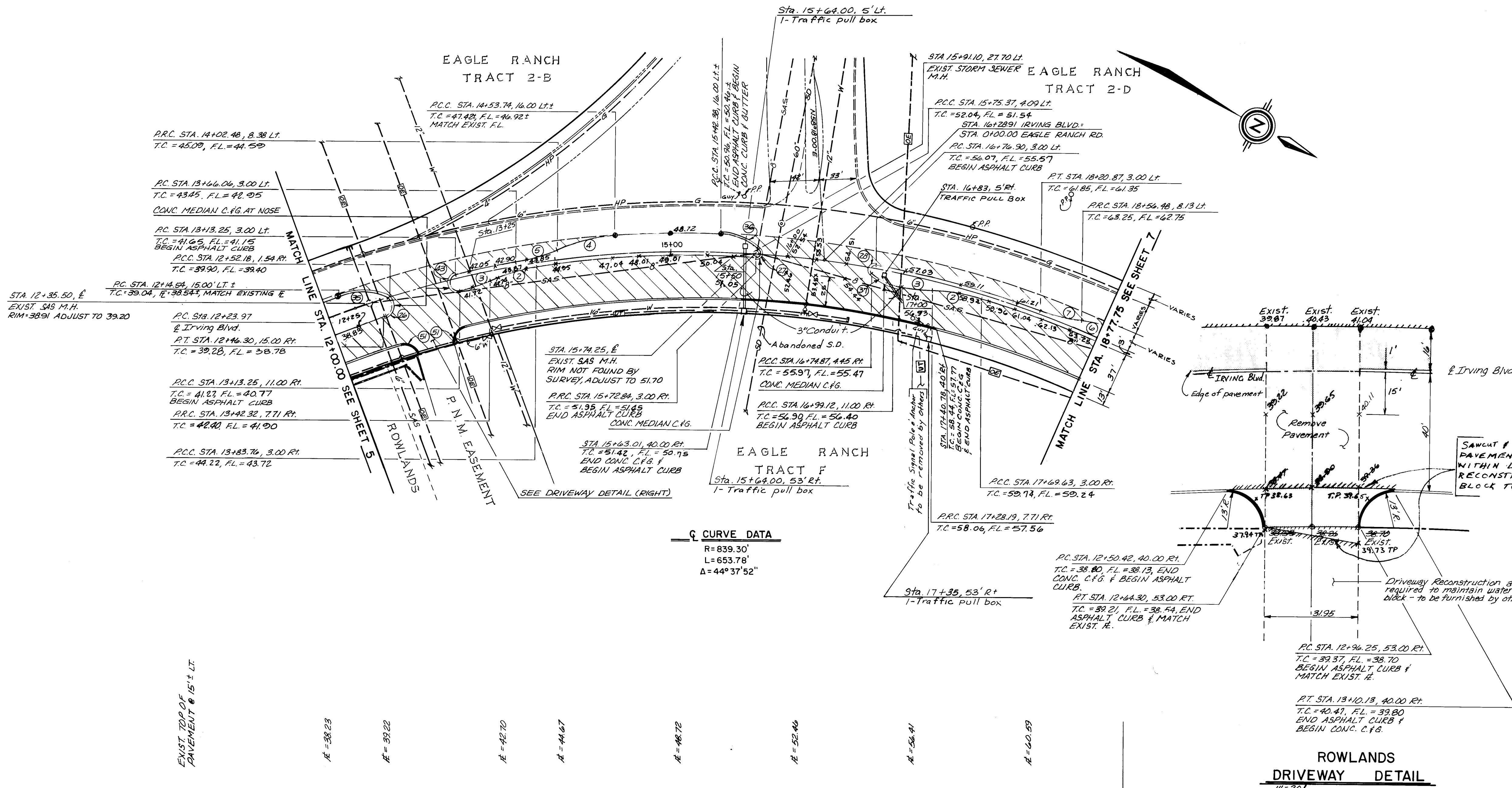
IRVING BOULEVARD IMPROVEMENTS
IRVING BOULEVARD N.W./COORS BOULEVARD N.W.

Hydrology: *[Signature]* 4/15/87
N.M. Utilities
4-27-87
4/15/87

DRAWING NO. 3202 MAP NO. C-13 SHEET 5 OF 18

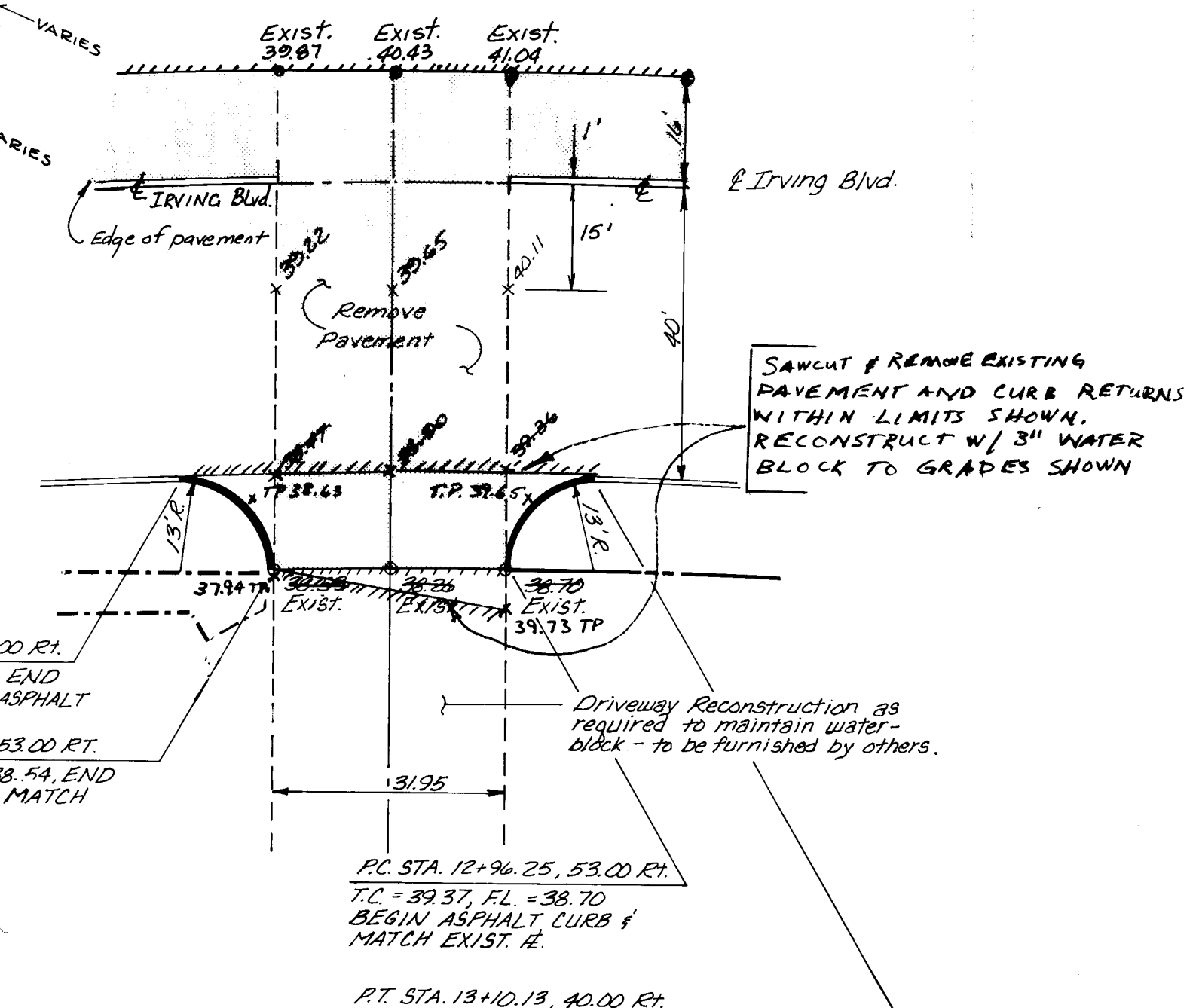
COMMUNITY SCIENCES CORP., T.B.M.
CHISELED "X" IN THE NORTH BOLT OF THE
FIRE HYDRANT LOCATED AT THE EAST SIDE OF
THE EAST ENTRANCE OF ROWLANDS NURSERY.
CHISELED "X" IN THE NORTH BOLT OF THE
FIRE HYDRANT LOCATED AT THE SOUTHWEST
CORNER OF THE INTERSECTION OF GREENE AND
IRVING. ELEV. = 5218.83

CURB CURVE DATA			
CURVE	RADIUS	ARC	DELTA
2	150.00'	41.58'	15°52'52"
3	150.00'	28.97'	11°04'03"
4	150.00'	52.82'	20°10'36"
5	150.00'	37.15'	14°11'28"
6	150.00'	46.46'	17°44'53"
7	150.00'	36.30'	13°51'54"
26	8.00'	18.54'	132°47'52"
27	4.00'	9.81'	140°34'10"
28	4.00'	10.45'	149°38'27"
29	50.00'	42.52'	48°43'36"
30	50.00'	36.22'	41°30'36"
31	50.00'	25.17'	28°50'32"
32	7.00'	21.99'	180°00'00"
33	13.00'	20.64'	90°56'50"



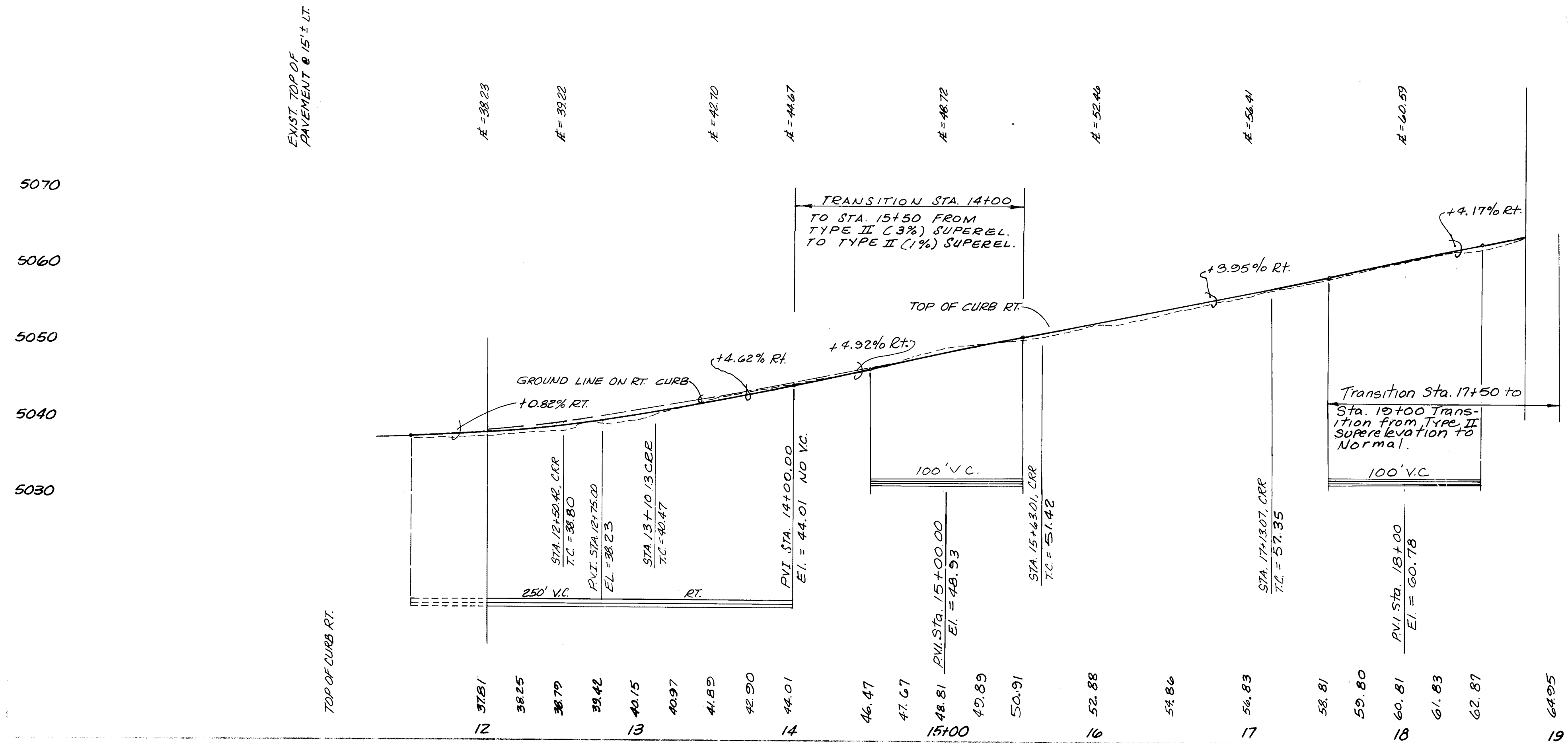
CURVE DATA

R=839.30'
L=653.78'
Δ=44°37'52"



ROWLANDS DRIVEWAY DETAIL
1"=20'

NOTE: MEDIAN T.C. ELEVATIONS ARE LOCATED 25' APART (IN VERTICAL CURVES) AND 50' APART (IN VERTICAL TANGENTS) EXCEPT WHERE SPECIFIC STATIONS INDICATE OTHERWISE.



RECORD DRAWING AS BUILT

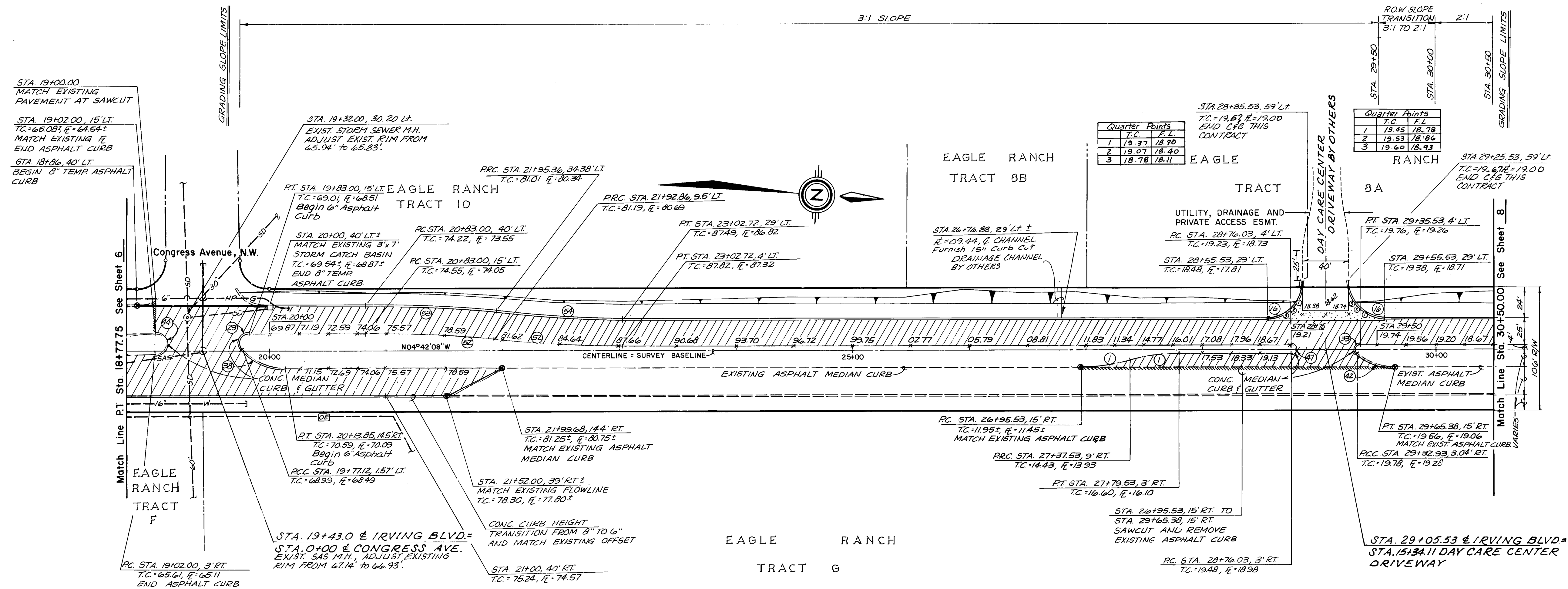
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CERTIFIED BY *[Signature]* DATE 3/29/87
L.A. CARLETON, JR.
REGISTERED PROFESSIONAL LAND SURVEYOR

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

IRVING BOULEVARD IMPROVEMENTS
IRVING BOULEVARD

[Signature] 4/15/87
N.M. Utilities
A-27-87
4/15/87

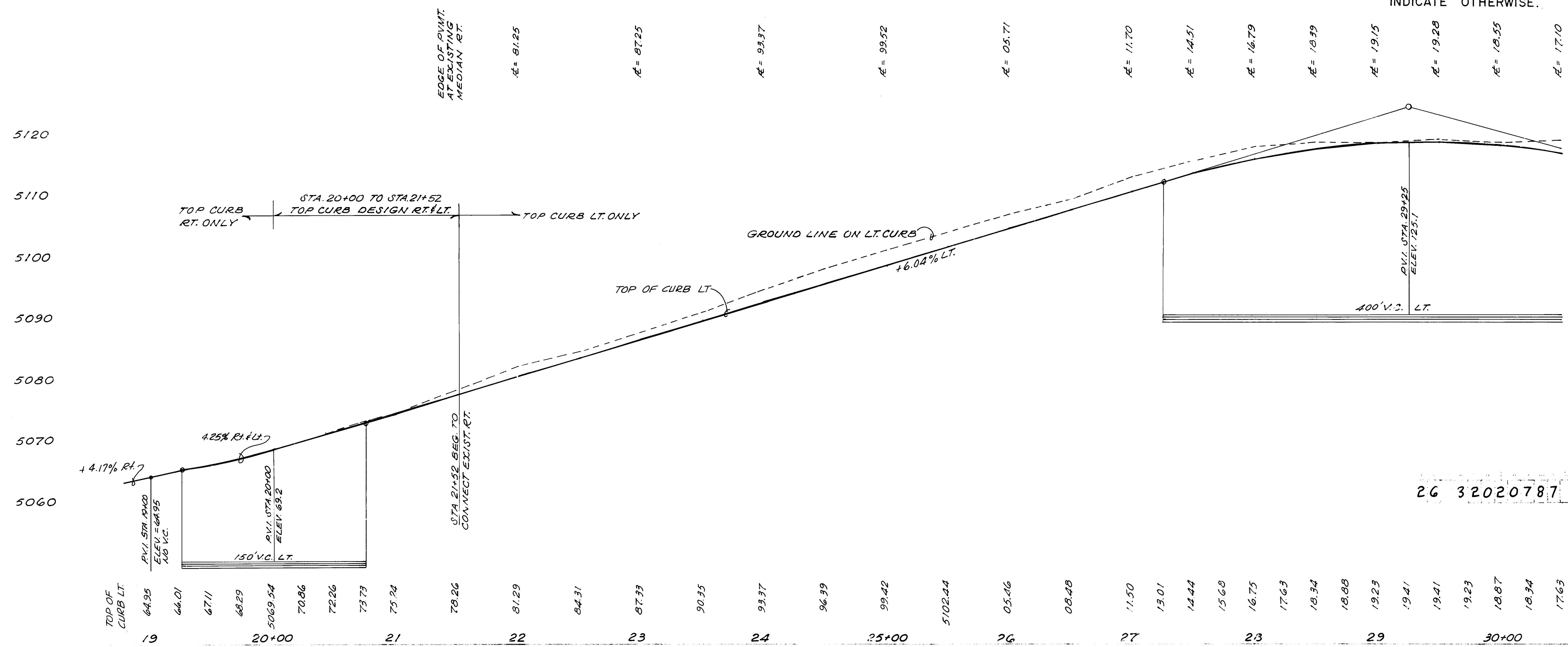


CURB CURVE DATA			
CURVE	RADIUS	ARC	DELTA
1	150.00'	42.51'	16°15'31"
2	800'	18.53'	13°24'35"
3	400'	9.74'	13°39'27"
4	50.00'	41.25'	47°16'04"
5	50.00'	35.31'	40°27'33"
6	900'	28.27'	180°00'00"
7	3.50'	11.00'	180°00'00"
8	1100.00'	110.05'	05°43'55"
9	1125.00'	112.55'	05°43'55"
10	1075.00'	107.54'	05°43'55"
11	30.00'	47.12'	90°00'00"

COMMUNITY SCIENCES CORP., T.B.M.
CHISELED "X" IN THE NORTH BOLT OF THE
FIRE HYDRANT LOCATED AT THE EAST SIDE OF
THE EAST ENTRANCE OF ROWLANDS NURSERY.
ELEV. = 5036.22
CHISELED "X" IN THE NORTH BOLT OF THE
FIRE HYDRANT LOCATED AT THE SOUTHWEST
CORNER OF THE INTERSECTION OF GREENE AND
IRVING. ELEV. = 5218.83

IRVING BOULEVARD, N.W.

NOTE: MEDIAN T.C. ELEVATIONS ARE LOCATED
25' APART (IN VERTICAL CURVES) AND
50' APART (IN VERTICAL TANGENTS)
EXCEPT WHERE SPECIFIC STATIONS
INDICATE OTHERWISE.



RECORD DRAWING AS BUILT

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AND ELEVATION DATA, AND MATERIAL
CHARACTERISTIC ASPECTS OF THE WORK AND IS
NOT INTENDED TO VERIFY EITHER SPECIFIC
DETAILS OR QUALITY OF CONSTRUCTION. IN
ADDITION THE DRAWING MAY CONTAIN
INFORMATION GATHERED BY CITY INSPECTORS
WHICH I CANNOT VERIFY.

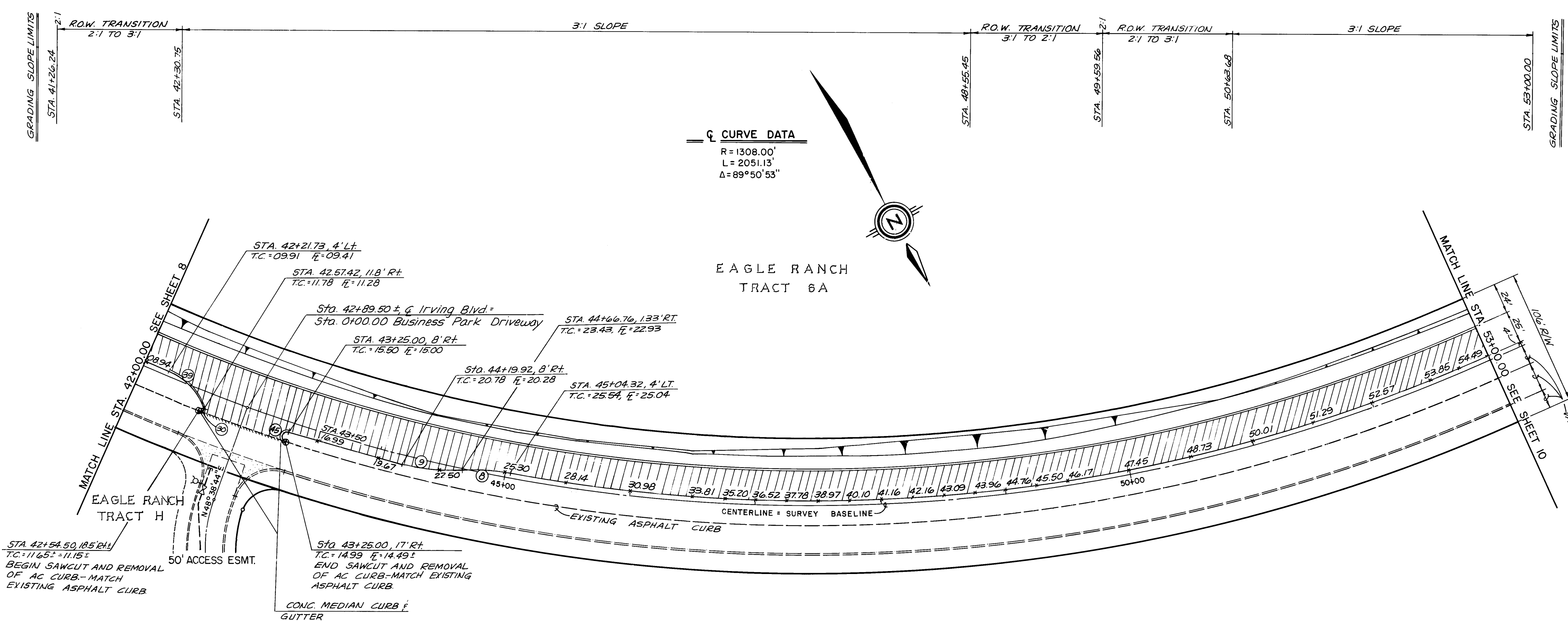
CERTIFIED BY: [Signature]
DATE: 9/6/87

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

IRVING BOULEVARD IMPROVEMENTS IRVING BOULEVARD

DATE: 4/1/87
BY: [Signature]
CHECKED: [Signature]
APPROVED: [Signature]

DRAWING NO. 3202
MAP NO. B-13
SHEET 7 OF 18



CURB CURVE DATA

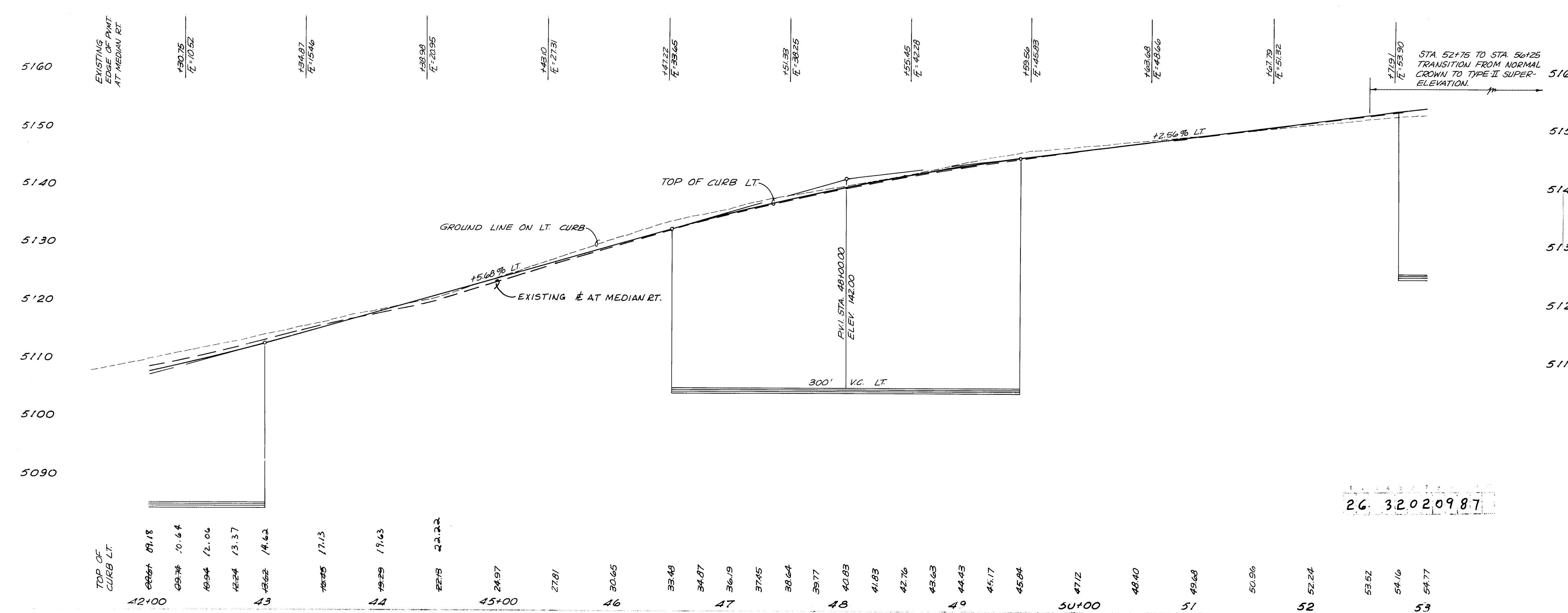
CURVE	RADIUS	ARC	DELTA
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(9)	150.00'	47.68'	18°12'38"
(8)	4.00'	9.25'	132°29'48"
(3)	50.00'	40.20'	46°04'05"
(4)	4.60'	14.14'	180°00'00"

Q CURVE DATA
 R = 1308.00'
 L = 2051.13'
 Δ = 89°50'53"

EAGLE RANCH
TRACT 6A

EAGLE RANCH
TRACT "BB-1"
IRVING BOULEVARD, N.W.

NOTE: MEDIAN T.C. ELEVATIONS ARE LOCATED 25' APART (IN VERTICAL CURVES) AND 50' APART (IN VERTICAL TANGENTS) EXCEPT WHERE SPECIFIC STATIONS INDICATE OTHERWISE.



RECORD DRAWING AS BUILT

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CERTIFIED BY: [Signature]
 DATE: 9/21/87

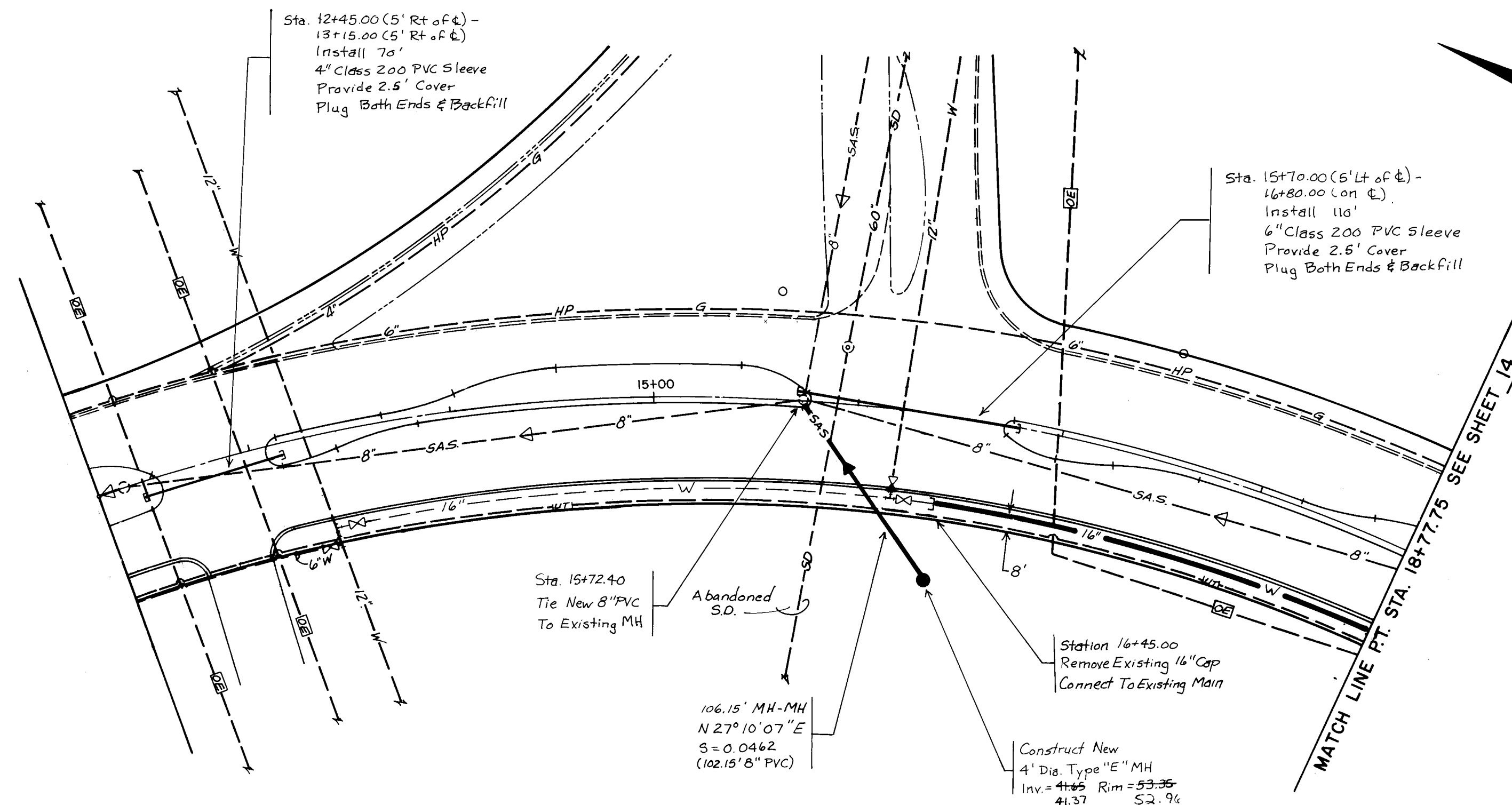
SCALE:
 1" = 50' HORIZ.
 1" = 10' VERT.

COMMUNITY SCIENCES CORP. T.B.M.
 CHISELED "X" IN THE NORTH BONNET BOLT OF THE FIRE HYDRANT LOCATED AT THE EAST SIDE OF THE EAST ENTRANCE OF ROWLANDS NURSERY. ELEV. = 5036.22
 CHISELED "X" IN THE NORTH BONNET BOLT OF THE FIRE HYDRANT LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF GREENE AND IRVING. ELEV. = 5218.83

4/8/87

REMARKS
 3-87
 3-87
 P.L.
 C.S.S., L.V.R.

[illegible]



RECORD DRAWING AS BUILT

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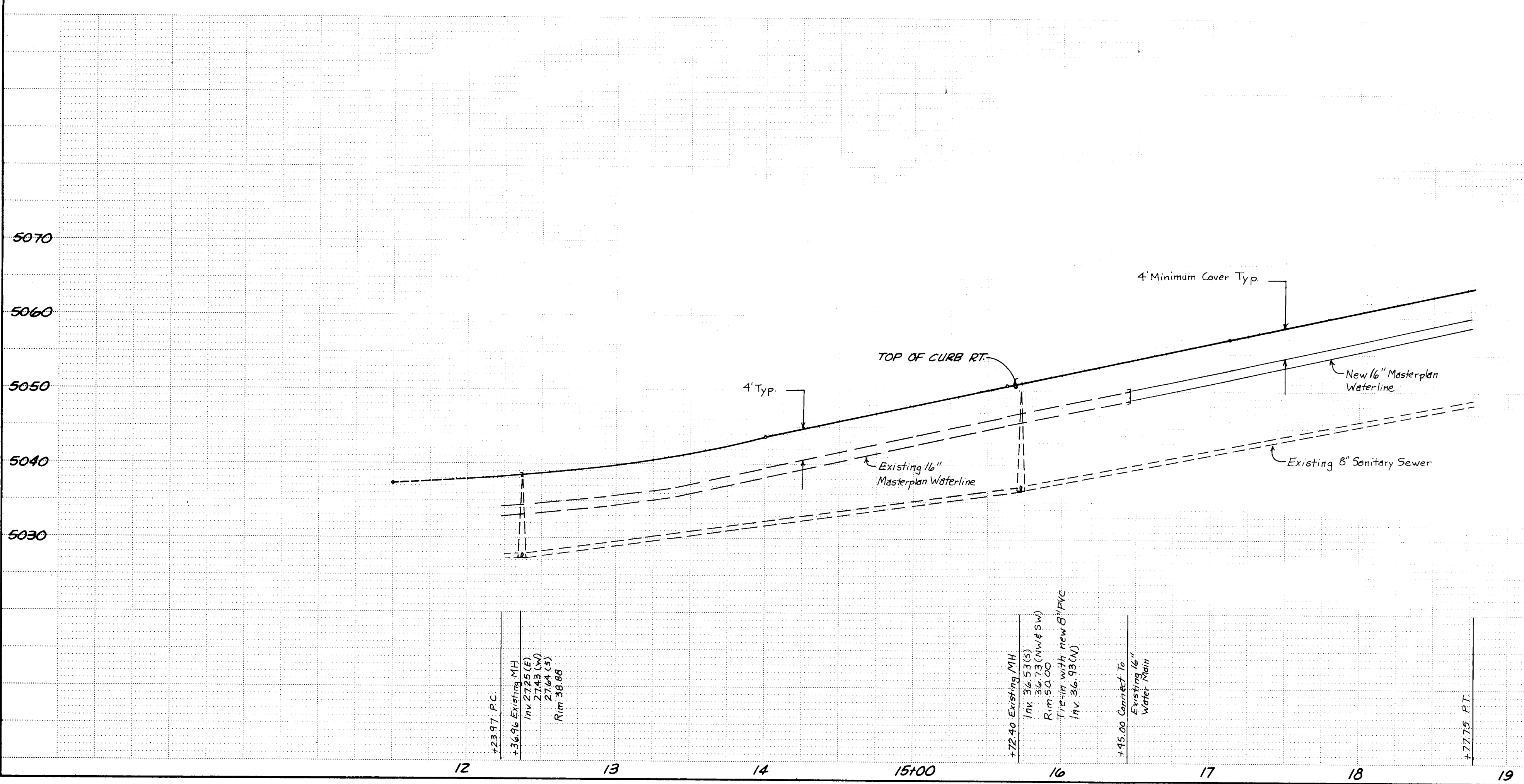
CERTIFIED BY *[Signature]* DATE 7/29/87
 PROFESSIONAL ENGINEER, STATE OF NEW MEXICO

NOTE: CLASS 200 PVC SLEEVES INDICATED ON SHEETS 13 & 14 ARE TO BE INSTALLED WITH THIS PROJECT. PAYMENT IS TO BE PROVIDED BY OTHERS.

NOTE: NEW MEXICO UTILITIES OWNS WATER & SEWER LINES. WATER & SEWER ARE PVC.

CURVE DATA

R=839.30'
L=653.78'
Δ=44°37'52"



- WATER NOTES**
- ALL STATIONING IS BASED UPON STREET CENTERLINE, UNLESS OTHERWISE NOTED.
 - THIS PROJECT IS WITHIN THE NEW MEXICO UTILITIES, INC. FRANCHISE AREA. CONSTRUCTION OF THE WATER LINE IMPROVEMENTS SHOWN HEREON ARE NOT A PART OF CITY PROJECT NO.
 - WATERLINE MATERIALS SHALL BE IN CONFORMANCE WITH NEW MEXICO UTILITIES, INC. REQUIREMENTS WHICH SHALL BE SPECIFIED PRIOR TO CONSTRUCTION.
 - STREETS SHALL BE GRADED TO FINISHED SUBGRADE + 1.0' PRIOR TO INSTALLATION OF UTILITIES.
 - ELECTRONIC MARKER DISKS SHALL BE PLACED IN CONFORMANCE WITH SECTION 170 OF THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1983.

- SANITARY SEWER NOTES**
- ALL STATIONING IS BASED UPON STREET CENTERLINE, UNLESS OTHERWISE NOTED.
 - THIS PROJECT IS WITHIN THE NEW MEXICO UTILITIES, INC. FRANCHISE AREA. CONSTRUCTION OF THE SEWERLINE IMPROVEMENTS SHOWN HEREON ARE NOT A PART OF CITY PROJECT NO.
 - ELECTRONIC MARKER DISKS SHALL BE PLACED IN CONFORMANCE WITH SECTION 170 OF THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1983.
 - MAINLINE PIPE LENGTHS ARE MEASURED FROM EDGE OF MANHOLE TO EDGE OF MANHOLE.
 - MANHOLES SHALL BE PRE-CAST 4' DIAMETER TYPE "E" IN CONFORMANCE WITH CITY STANDARD DETAIL DRAWINGS S-2 AND S-3, UNLESS OTHERWISE NOTED.
 - MANHOLE STEPS SHALL BE PROVIDED IN ALL MANHOLES AT 16" O.C. STEPS SHALL BE ALCOA NO. 12633A OR APPROVED EQUAL.
 - SERVICE LATERALS AND TEES SHALL MEET SECTION 117 OF THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1983.
 - SERVICE LATERALS SHALL BE INSTALLED RADIALLY OR PERPENDICULAR TO THE MAIN, UNLESS OTHERWISE NOTED.
 - SEWER LINE PIPE SHALL BE POLYVINYL CHLORIDE MEETING SECTION 117 OF THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1983.
 - STREETS SHALL BE GRADED TO FINISHED SUBGRADE + 1.0' PRIOR TO INSTALLATION OF UTILITIES.

David M.Y. Millikan, P.E.

17131 444-5072 F.O. Box 681954 Houston, Texas 77068

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

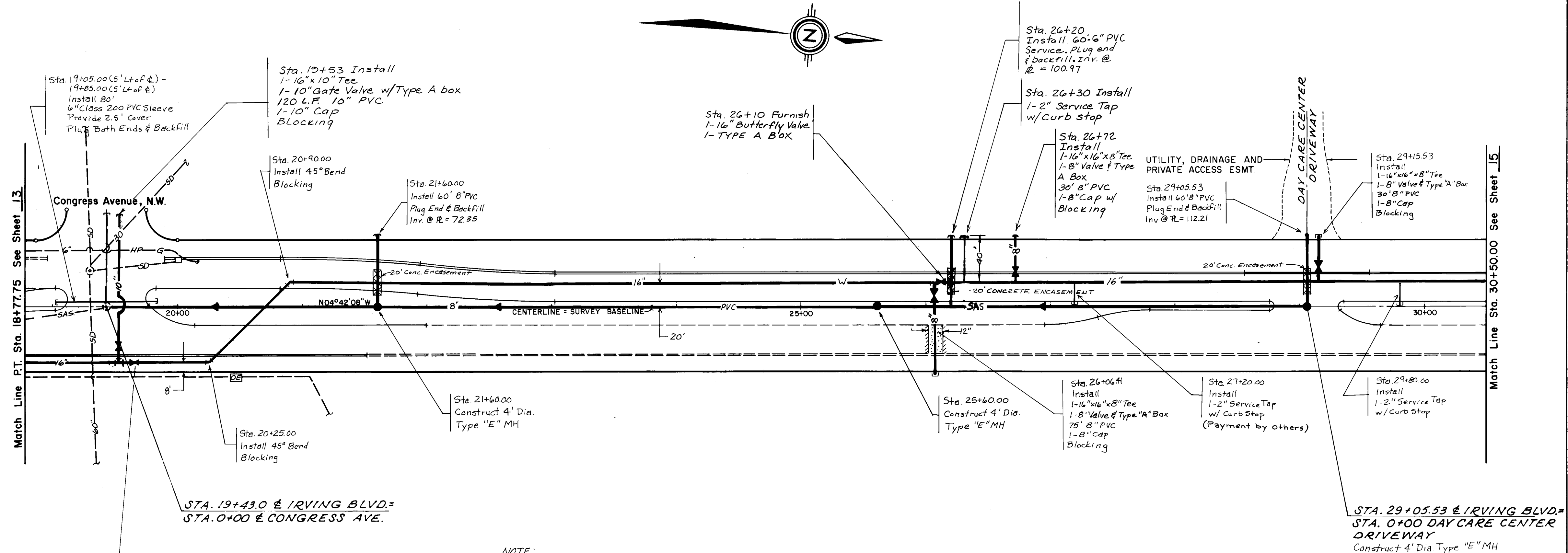
CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING GROUP

TITLE: IRVING BOULEVARD IMPROVEMENTS
 UTILITY PLAN & PROFILE
 IRVING BOULEVARD

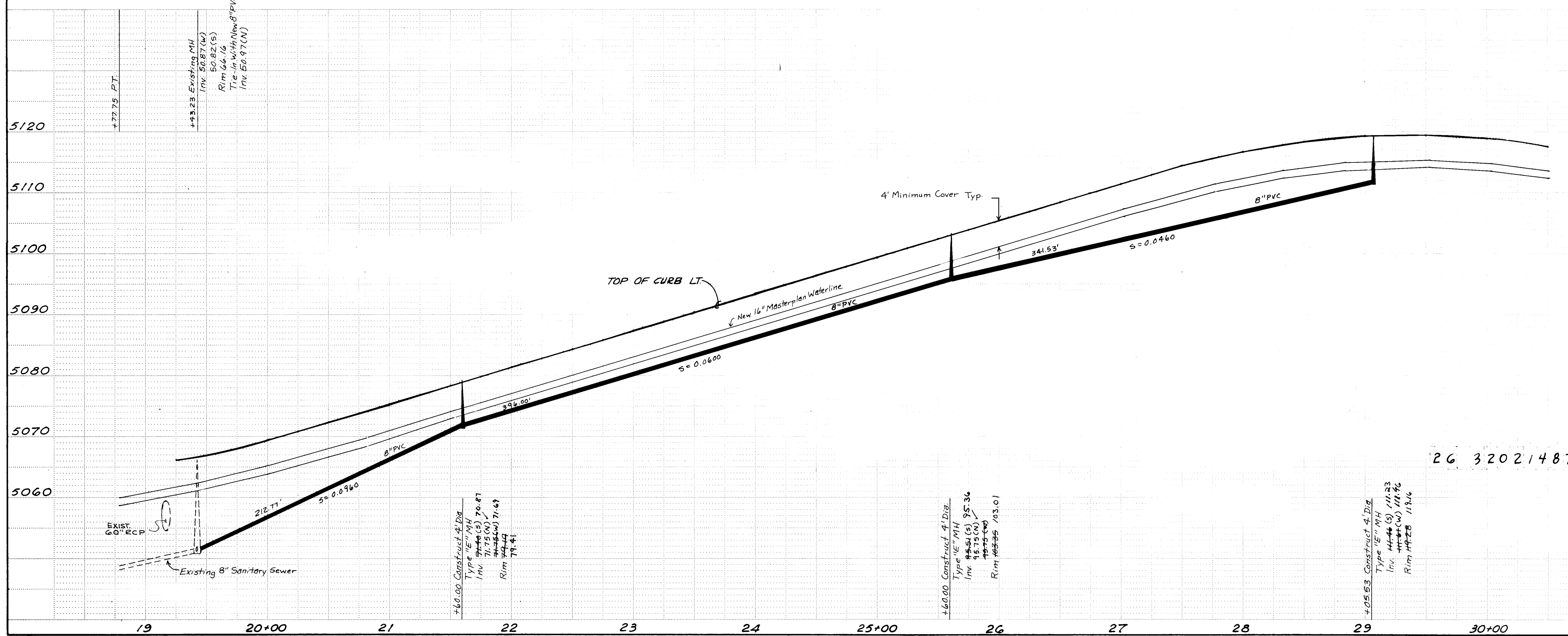
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	4/28/87	N.M. Utilities	<i>[Signature]</i>	4/28/87
Trans. Dev.	<i>[Signature]</i>	4/15/87			
Utility Dev.	<i>[Signature]</i>	4-27-87			
Hydrology	<i>[Signature]</i>	4/10/87			

DRAWING NO. 3202 MAP NO. C-13,B-13 SHEET 13 OF 18

SEE NOTES ON SHEET 13



NOTE:
NEW MEXICO UTILITIES OWNS WATER
+ SEWER LINES.
WATER + SEWER ARE PVC.



RECORD DRAWING AS BUILT

NOTE: AS BUILT CERTIFICATION IS BASED UPON PERIODIC CONSTRUCTION MONITORING, NOT FULLTIME, PROFESSIONAL, CONSTRUCTION INSPECTION. AS SUCH THIS CERTIFICATION REFERS TO READILY AVAILABLE LOCATIONAL AND ELEVATION DATA, AND MATERIAL CHARACTERISTIC ASPECTS OF THE WORK AND IS NOT INTENDED TO VERIFY EITHER SPECIFIC DETAILS OR QUALITY OF CONSTRUCTION. IN ADDITION THE DRAWING MAY CONTAIN INFORMATION GATHERED BY CITY INSPECTORS WHICH I CANNOT VERIFY.

CERTIFIED BY: *[Signature]* DATE: 2/2/87

David M.Y. Millikan, P.E.

17131 444-5072 P.O. Box 681954 Houston, Texas 77068

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: IRVING BOULEVARD IMPROVEMENTS
UTILITY PLAN & PROFILE

APPROVALS			ENGINEER		
D.R.C. Chair	<i>[Signature]</i>	4/24/87	N.M. Utilities	<i>[Signature]</i>	4/24/87
Trans. Dev.	<i>[Signature]</i>	4/15/87			
Utility Dev.	<i>[Signature]</i>	4-27-87			
Hydrology	<i>[Signature]</i>	4/15/87			

DRAWING NO. 3202 MAP NO. B-13 SHEET 14 OF 18

ENGINEER'S SEAL			SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
				NO.	BY	DATE	COMMUNITY SCIENCES CORP. T.B.M.	
							CHISELED "X" IN THE NORTH BONNET BOLT OF THE	
							FIRE HYDRANT LOCATED AT THE EAST SIDE OF	DATE
							THE EAST ENTRANCE OF ROLANDS NURSERY.	DATE
							ELEV. = 5036.22	DATE
							CHISELED "X" IN THE NORTH BONNET BOLT OF THE	DATE
							FIRE HYDRANT LOCATED AT THE SOUTHWEST	DATE
							CORNER OF THE INTERSECTION OF GREEN AND	DATE
							IRVING. ELEV. = 5218.83	DATE

1931

PROFESSIONAL ENGINEER

STATE OF CALIFORNIA

1000

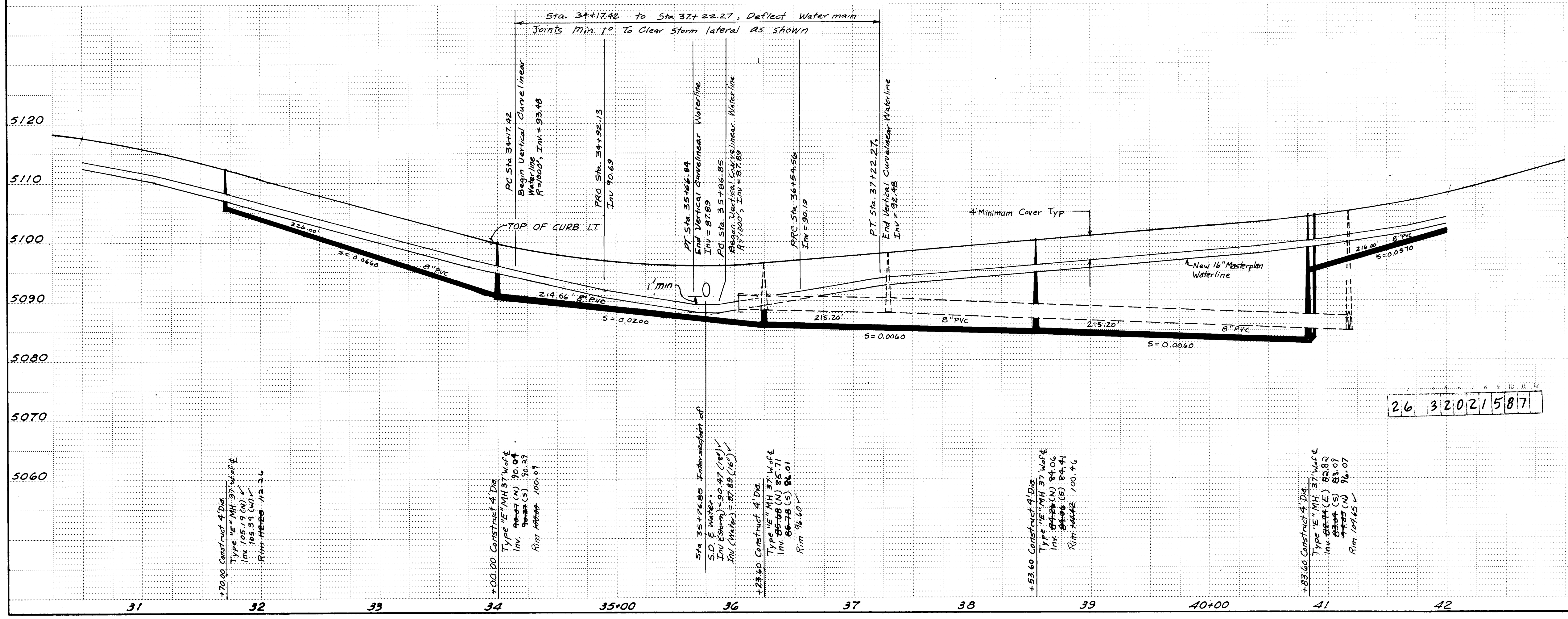
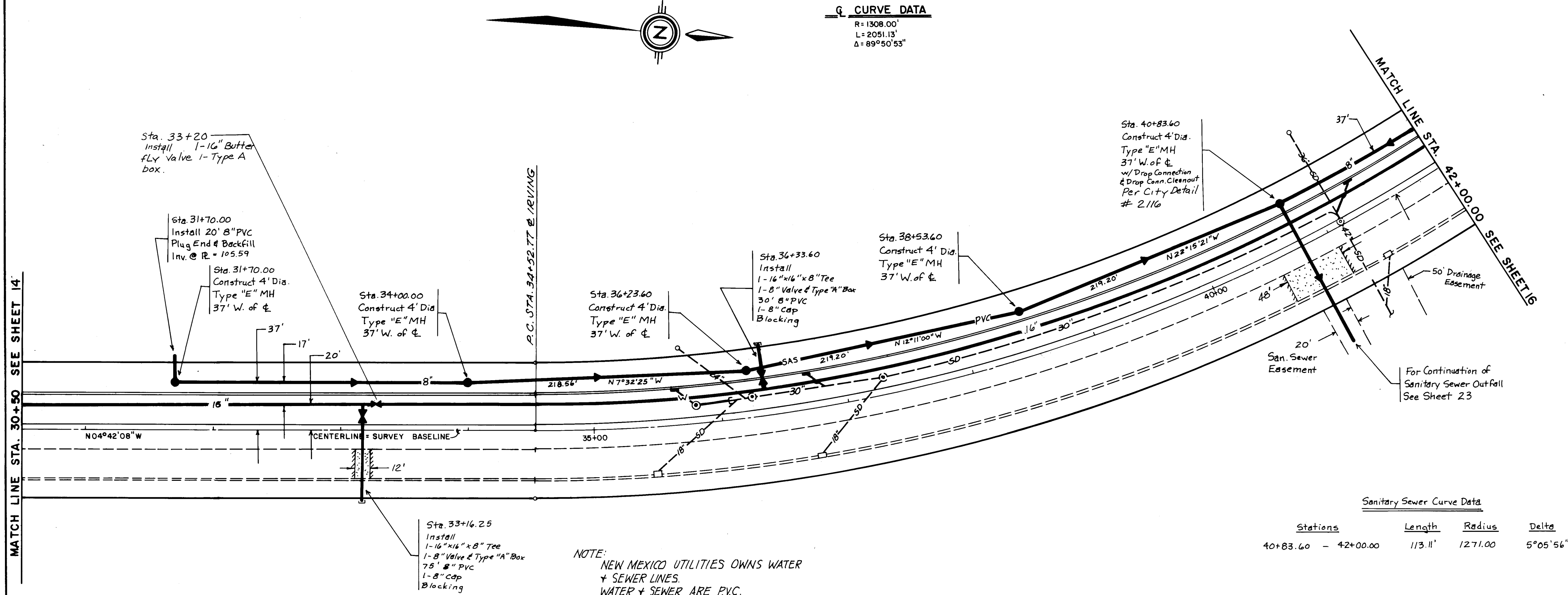
1000

PROFESSIONAL ENGINEER

STATE OF CALIFORNIA

1000

DESIGNED BY		DATE	3 - 87
DRAWN BY		DATE	3 - 87
CHECKED BY		DATE	3 - 87



SEE NOTES ON SHEET 13

RECORD DRAWING AS BUILT

NOTE: AS BUILT CERTIFICATION IS BASED UPON PERIODIC CONSTRUCTION MONITORING, NOT FULLTIME, PROFESSIONAL, CONSTRUCTION INSPECTION. AS SUCH THIS CERTIFICATION REFERS TO READILY AVAILABLE LOCATIONAL AND ELEVATION DATA, AND MATERIAL CHARACTERISTIC ASPECTS OF THE WORK AND IS NOT INTENDED TO VERIFY EITHER SPECIFIC DETAILS OR QUALITY OF CONSTRUCTION. IN ADDITION THE DRAWING MAY CONTAIN INFORMATION GATHERED BY CITY INSPECTORS WHICH I CANNOT VERIFY.

David M.Y. Millikan, P.E.

17131 444-5072 P.O. Box 681954 Houston, Texas 77068

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

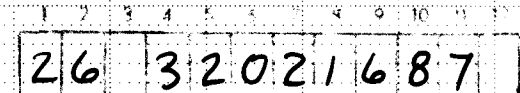
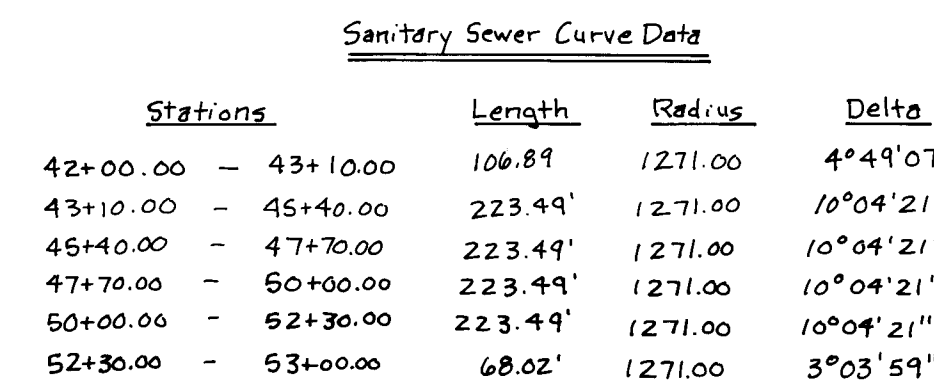
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: IRVING BOULEVARD IMPROVEMENTS
UTILITY PLAN & PROFILE
IRVING BOULEVARD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	4/15/87	N.M. Utilities	<i>[Signature]</i>	4/15/87
Trans. Dev.	<i>[Signature]</i>	4/15/87			
Utility Dev.	<i>[Signature]</i>	4/27/87			
Hydrology	<i>[Signature]</i>	4/15/87			

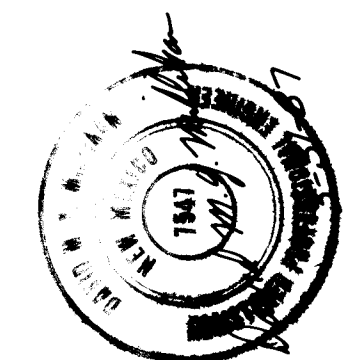
DRAWING NO. 3202 MAP NO. B-13 SHEET 15 OF 18

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	NO.	CONTRACTOR	DATE
				COMMUNITY SCIENCES CORP. T.B.M.	
				CHISELED "X" IN THE NORTH BONNET BOLT OF THE FIRE HYDRANT LOCATED AT THE EAST SIDE OF THE EAST ENTRANCE OF ROLANDS NURSERY	
				ELEV. = 5036.22	
				CHISELED "X" IN THE NORTH BONNET BOLT OF THE FIRE HYDRANT LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF GREEN AND IRVING. ELEV. = 5218.83	



SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES		CONTRACTOR	INSPECTED BY	DATE	DATE
	BY	DATE				
			COMMUNITY SCIENCES CORP. T. B. M.			
			CHISELED "X" IN THE NORTH BONNET BOLT OF THE FIRE HYDRANT LOCATED AT THE EAST SIDE OF THE EAST ENTRANCE OF ROLANDS NURSERY.			
			ELEV. = 5036.22			
			CHISELED "X" IN THE NORTH BONNET BOLT OF THE FIRE HYDRANT LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF GREEN AND IRVING. ELEV. = 5218.83			

ENGINEER'S SEAL



NOTE: AS BUILT CERTIFICATION IS BASED UPON PERIODIC CONSTRUCTION MONITORING, NOT FULL-TIME, PROFESSIONAL, CONSTRUCTION INSPECTION, AS SUCH THIS CERTIFICATION REFERS TO READILY AVAILABLE, LOCAL, MATERIAL AND ELEVATION DATA, AND MATERIAL CHARACTERISTIC ASPECTS OF THE WORK AND IS NOT INTENDED TO VERIFY EITHER SPECIFIC DETAILS OR QUALITY OF CONSTRUCTION. IN ADDITION THE DRAWING MAY CONTAIN INFORMATION GATHERED BY CITY INSPECTORS WHICH I CANNOT VERIFY.


 CERTIFIED 12/9/87 DATE

(713) 444-5072 P. O. Box 681954
Houston, Texas 77068

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

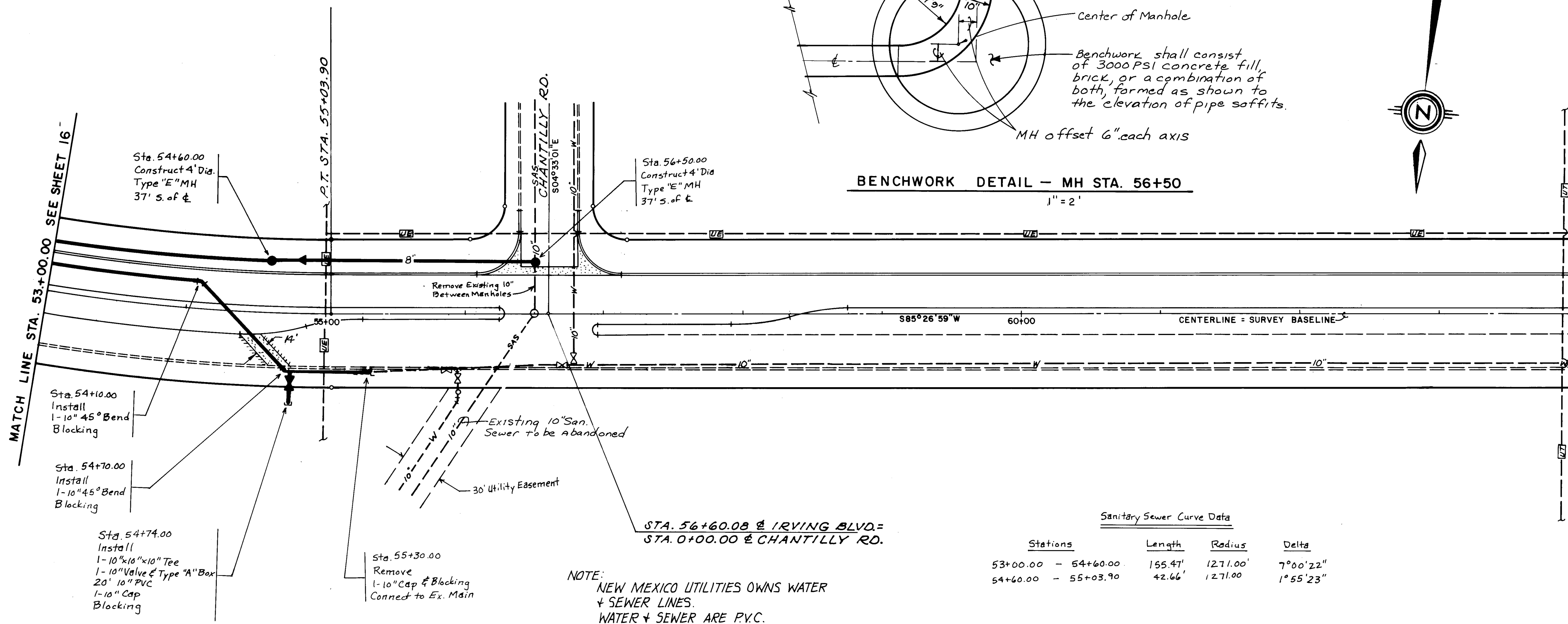
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: IRVING BOULEVARD IMPROVEMENTS
UTILITY PLAN & PROFILE
IRVING BOULEVARD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C Chair	<i>[Signature]</i>	4/30/87	N.M. Utilities	<i>[Signature]</i>	4/30/87
Trans. Dev.	NADWH	4/15/87			
Utility Dev.	<i>[Signature]</i>	4-27-87			
<i>[Signature]</i>	P.D.	4/15/87			

DRAWING NO. 3202	MAP NO. B-13	SHEET 16 OF 18
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Q CURVE DATA
R=1308.00'
L=2051.13'
Δ=89°50'53"

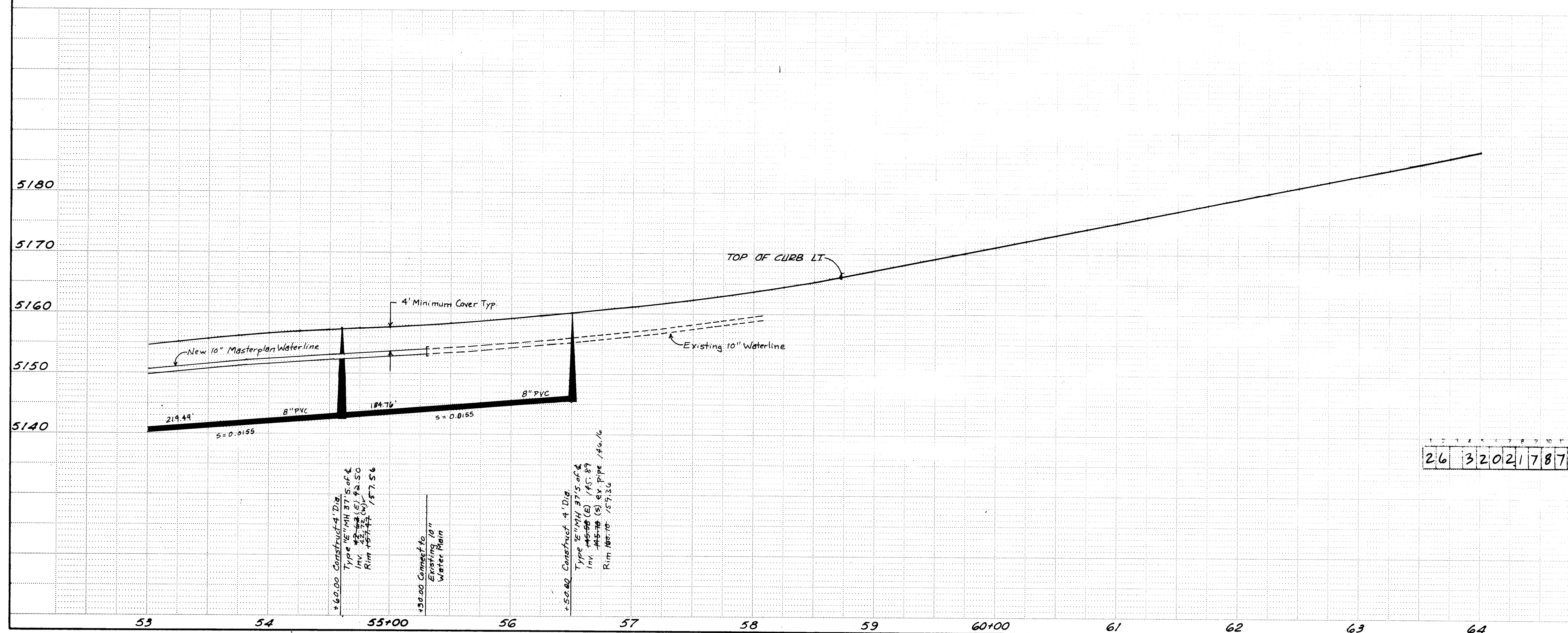


BENCHWORK DETAIL - MH STA. 56+50
1" = 2'

Sanitary Sewer Curve Data

Stations	Length	Radius	Delta
53+00.00 - 54+60.00	159.47'	1271.00'	7°00'22"
54+60.00 - 55+03.90	42.66'	1271.00'	1°55'23"

NOTE:
NEW MEXICO UTILITIES OWNS WATER
& SEWER LINES.
WATER & SEWER ARE P.V.C.



RECORD DRAWING AS BUILT

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CERTIFIED BY
David M.Y. Millikan, P.E.

David M.Y. Millikan, P.E.

17131 444-5072
P.O. Box 681954
Houston, Texas 77068

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

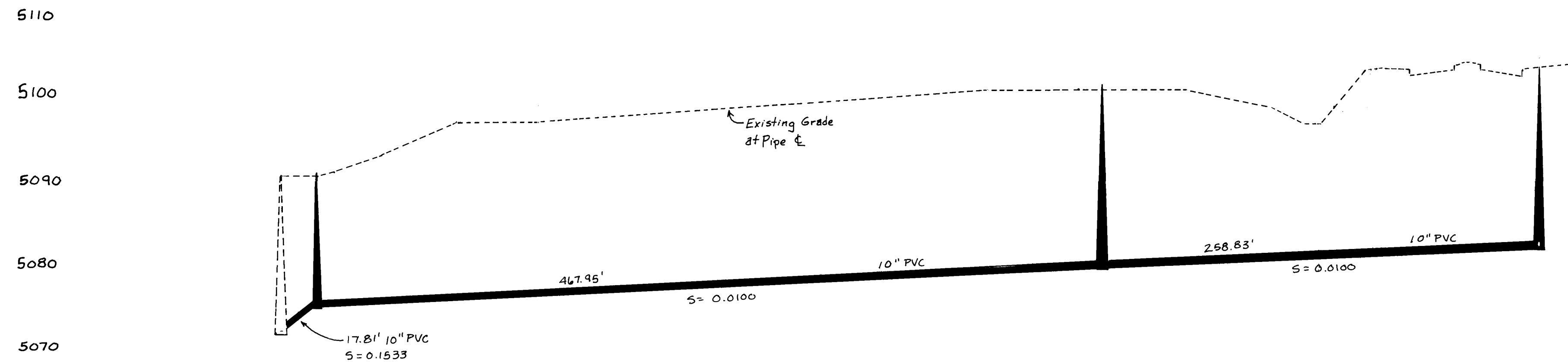
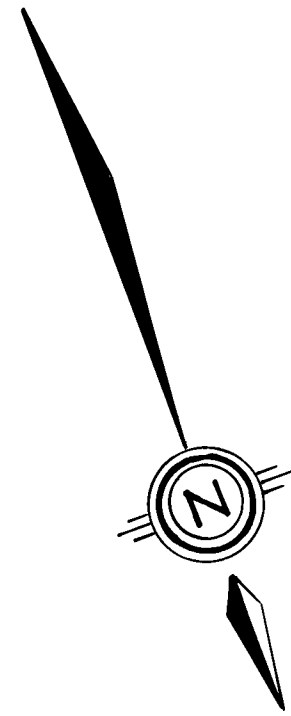
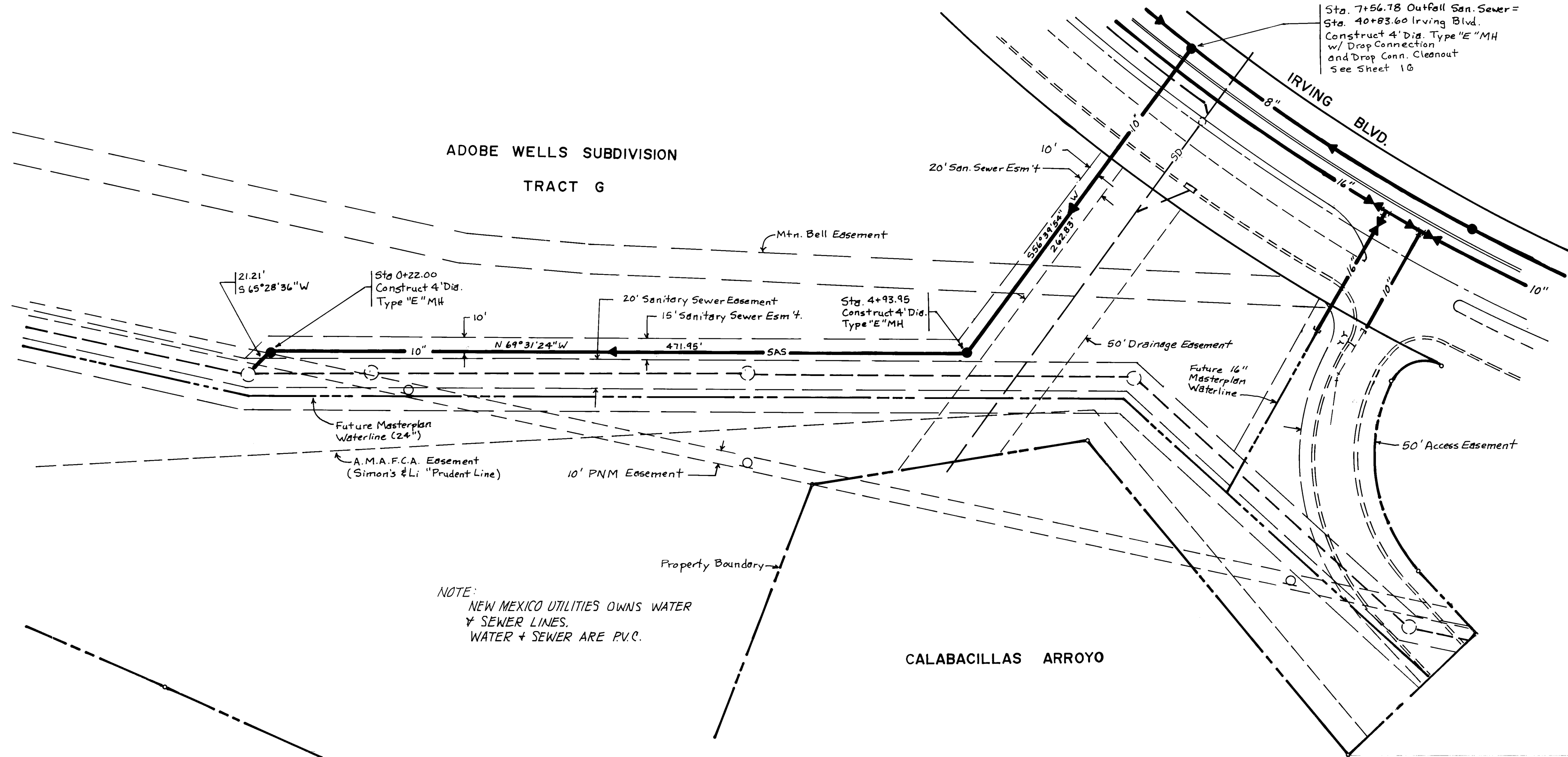
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: IRVING BOULEVARD IMPROVEMENTS
UTILITY PLAN & PROFILE
IRVING BOULEVARD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>Amelia</i>	4/30/87	N.M. Utilities	<i>John</i>	4/30/87
Trans. Dev.	<i>N.A.P.</i>	4/15/87			
Utility Dev.	<i>Amelia</i>	4/27/87			
Hydrology	<i>1/2 RIA</i>	4/15/87			

DRAWING NO. 3202 MAP NO. B-13 SHEET 17 OF 18

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION			
CONTRACTOR	COMMUNITY SCIENCES CORP. T.B.M.	CHISELED "X" IN THE NORTH BONNET BOLT OF THE	DATE	CONTRACTOR	COMMUNITY SCIENCES CORP. T.B.M.	CHISELED "X" IN THE NORTH BONNET BOLT OF THE	DATE	CONTRACTOR	COMMUNITY SCIENCES CORP. T.B.M.	CHISELED "X" IN THE NORTH BONNET BOLT OF THE	DATE
WORK STAKED BY	COMMUNITY SCIENCES CORP. T.B.M.	FIRE HYDRANT LOCATED AT THE EAST SIDE OF	DATE	WORK STAKED BY	COMMUNITY SCIENCES CORP. T.B.M.	FIRE HYDRANT LOCATED AT THE EAST SIDE OF	DATE	WORK STAKED BY	COMMUNITY SCIENCES CORP. T.B.M.	FIRE HYDRANT LOCATED AT THE EAST SIDE OF	DATE
FIELD ENGINEER	COMMUNITY SCIENCES CORP. T.B.M.	THE EAST ENTRANCE OF ROLAND'S NURSERY.	DATE	FIELD ENGINEER	COMMUNITY SCIENCES CORP. T.B.M.	THE EAST ENTRANCE OF ROLAND'S NURSERY.	DATE	FIELD ENGINEER	COMMUNITY SCIENCES CORP. T.B.M.	THE EAST ENTRANCE OF ROLAND'S NURSERY.	DATE
DESIGNED BY	COMMUNITY SCIENCES CORP. T.B.M.	ELEV. = 5036.22	DATE	DESIGNED BY	COMMUNITY SCIENCES CORP. T.B.M.	ELEV. = 5036.22	DATE	DESIGNED BY	COMMUNITY SCIENCES CORP. T.B.M.	ELEV. = 5036.22	DATE
RECORDED BY	COMMUNITY SCIENCES CORP. T.B.M.	CHISELED "X" IN THE NORTH BONNET BOLT OF THE	DATE	RECORDED BY	COMMUNITY SCIENCES CORP. T.B.M.	CHISELED "X" IN THE NORTH BONNET BOLT OF THE	DATE	RECORDED BY	COMMUNITY SCIENCES CORP. T.B.M.	CHISELED "X" IN THE NORTH BONNET BOLT OF THE	DATE
CHECKED BY	COMMUNITY SCIENCES CORP. T.B.M.	CORNER OF THE INTERSECTION OF GREEN AND	DATE	CHECKED BY	COMMUNITY SCIENCES CORP. T.B.M.	CORNER OF THE INTERSECTION OF GREEN AND	DATE	CHECKED BY	COMMUNITY SCIENCES CORP. T.B.M.	CORNER OF THE INTERSECTION OF GREEN AND	DATE
		IRVING. ELEV. = 5218.83				IRVING. ELEV. = 5218.83				IRVING. ELEV. = 5218.83	



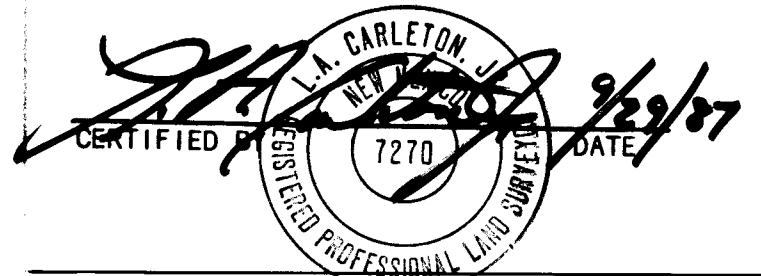
+00.79 Existing M.H.
Inv. 72.34 (E) 72.24 (W)
New Inv. 72.24 (E) 70.91 (W)
+22.00 Construct 4' Dia.
Type 'E' M.H. 75.22
Inv. 75.22 (E) 75.17 (W)
Rim 72.00 93.76

+93.95 Construct 4' Dia.
Type 'E' M.H. 80.09
Inv. 80.09 (E) 80.17 (W)
Rim 72.00 102.08

+56.78 Construct 4' Dia.
Type 'E' M.H. 82.94 (E)
Inv. 82.94 (E) 82.04 (W)
Rim 72.00 104.68

RECORD DRAWING AS BUILT

NOTE: AS BUILT CERTIFICATION IS BASED UPON PERIODIC CONSTRUCTION MONITORING, NOT FULLTIME, PROFESSIONAL, CONSTRUCTION INSPECTION. AS SUCH THIS CERTIFICATION REFERS TO READILY AVAILABLE LOCATIONAL AND ELEVATION DATA, AND MATERIAL CHARACTERISTIC ASPECTS OF THE WORK AND IS NOT INTENDED TO VERIFY EITHER SPECIFIC DETAILS OR QUALITY OF CONSTRUCTION. IN ADDITION THE DRAWING MAY CONTAIN INFORMATION GATHERED BY CITY INSPECTORS WHICH I CANNOT VERIFY.



SCALE: 1" = 50' H 1" = 10' V

David M.V. Millikan, P.E.

(713) 444-5072

P. O. Box 681954
Houston, Texas 77068

26 32021887

IRVING BOULEVARD IMPROVEMENTS
UTILITY PLAN & PROFILE
IRVING BOULEVARD

APPROVED: 4/15/87
N.M. UTILITIES
4/15/87
4-27-87
4/15/87
SHEET 18 OF 18