CONSTRUCTION PLANS FOR

RIO GRANDE BOULEVARD

GRIEGOS ROAD TO THE GRIEGOS LATERAL

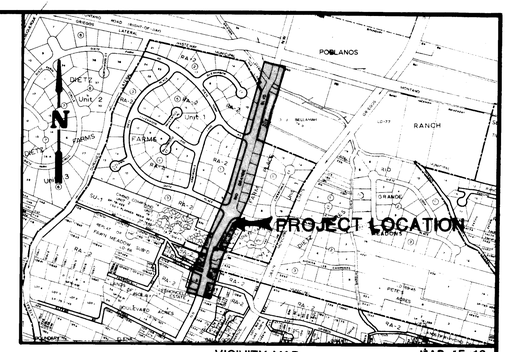
FOR

CITY OF ALBUQUERQUE - TRANSPORTATION DEPT.

INDEX TO DRAWINGS

PREPARED BY

GREINER ENGINEERING



VICINITY MAP — MAP #F-13

SCALE: 1" = 800' (approx)

GENERAL NOTES

1. All dimensions are to back of curb.
2. Match flowlines of gutters when connecting new curb and gutter to existing.
3. Curb and gutter shown as existing and not to be removed under this contract which is damaged or displaced by the Contractor shall be removed and replaced by the Contractor at his expense.
4. When removal of existing curb and gutter or sidewalk is required, remove back to nearest joint.
5. The Contractor shall notify the utility companies by calling 765-1234 before commencing work in areas near underground utility lines, Two (2) working days prior to any excavation.
6. It will be the Contractor's responsibility to protect and maintain in service all existing utilities.
7. The Contractor is to exercise due care when removing existing pavement to avoid disturbing any existing underground utilities. It shall be his responsibility to coordinate with the utility companies in order to prevent any service disruption.
8. Exact relocation of traffic signal foundations shall be determined by Traffic Engineering Department.
9. Provide ground rod on pedestals used at splice cabinet bases and control bases.
10. All gas valve boxes, gas manholes, electrical manholes, T.V. cable enclosures, telephone manholes & Enclosures and utility poles will be adjusted to grade or relocated by others.
11. All water valve boxes and sewer manholes in the construction area are to be adjusted to finish grade under this contract.
12. Adjustment of manhole rims shall include adjustment of barrel and cone where necessary.
13. The Contractor will be responsible for maintaining and removing all construction material from the manholes during construction and until the project has been accepted.
14. All earthwork and typical section street grading and excavation shall be considered incidental to subgrade preparation.
15. A disposal site for all excess excavation material, asphaltic paving, concrete paving etc., shall be obtained by the contractor in compliance with applicable environmental regulations. All costs incurred in obtaining a disposal site and haul thereto shall be considered incidental to the completion of the project and no separate payment will be made.
16. The Contractor shall maintain access to adjacent properties during construction except during actual paving operations.
17. The Contractor will be required to confine his work within the construction limits and/or Row to preserve existing vegetation and private property. Overnite parking of construction equipment shall not obstruct driveway openings or designated traffic lanes. Overnite parking of equipment within the roadway or median will not be permitted unless the area is completely barricaded off due to construction operations.
18. Fifty (50) ton roller operation shall not be used in this project where underground utilities are present. The required compaction at these locations shall be effected by means of other types of rolling available.
19. All excavation for storm drains, and other excavations as necessary shall be governed by federal, state, and local laws, rules and regulations concerning construction safety and health.
20. Prior to construction, the Contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the Contractor shall notify the Engineer so that the conflict can be resolved with a minimum amount of delay.
21. As permitted by the Engineer, traffic may be placed on a cleaned milled area. A temporary asphalt taper shall be placed on a 6:1 minimum slope at both longitudinal and transverse joints in order to provide a smooth transition from a milled to an unmilled area. The cost of tapers is to be included on the unit bid price for cold milling. The temporary asphalt tapers shall be removed prior to subsequent work.
22. All 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. This pertains to construction signing for this contract.
23. The Contractor shall inform the public, through the news media, of lane closing, detours, and other construction activities which affect traffic flow.
24. Standard specifications shall be as per the New Mexico Standard Specifications for Public Works Construction, 1979 Edition, as revised by City Wide Utilities and Cash Paving No. 31 and as revised for this project, except for the 5/8" seal coat and aggregate gradation for asphalt concrete where New Mexico State Highway Department Specifications, latest edition, as revised for this project, shall be used. Standard details shall be as per City of Albuquerque Contract Documents for City wide Utilities and Cash Paving No. 31.

CONSTRUCTION NOTES

1. Construct pavement per typical roadway section, sheet 6 of 10.
2. Permanent striping, traffic signalization and traffic sign removal and replacement shall be done by the City of Albuquerque's Traffic Engineering Division. The contractor shall coordinate this portion of the work with the Traffic Engineer and give three working days notification before any work is expected to be done.
3. All stationing is based on the survey base line.
4. The Contractor shall contact the Albuquerque City Surveyor for the re-establisment of A.C.S. Bross Tablet 11-F13 if it is to be disturbed or relocated.
5. Pave west side of road to R/W from Sta. 157+80.25 to Sta. 159+98.74 & Pave to existing curb on east side of road from Sta. 160+67 to E.S.E. Return of Diets Place approx. Sta. 164+60.
6. All removals required and not specifically called for elsewhere, shall be paid for under bid item P-26, Miscellaneous Removals.
7. The Contractor shall install a temporary 4' chainlink fence along the South R/W of Griegos Rd.(West) as shown on sht. 6 of the Plans & shall be considered incidental to the cost of the project.
8. Prior to relocating the water meters indicated as part of the work for this project, the contractor is to contact the Customer Services Division of the City's Water Resources Department at 823-4045.

1	2	3	4	5	6	7	8	9	10	11	12
2	C	1	6	6	8	0	1	8	5		

RECORD DRAWING

APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER-FIELD
W.J. McNamara
DATE 10-1-85

4/24/85

REV	SHEETS	CITY ENGR	DATE	USER DEPT.	DATE	USER DEPT.	DATE
1	4,5,6						

APPROVAL OF REVISIONS

PREPARED UNDER THE SUPERVISION OF

JERYL J. HART, JR. NEW MEXICO 6786 REGISTERED PROFESSIONAL ENGINEER
8-27-84

Greiner Engineering
2601 WYOMING BLVD, NE
ALBUQUERQUE, NM 87112
(505)292-1936

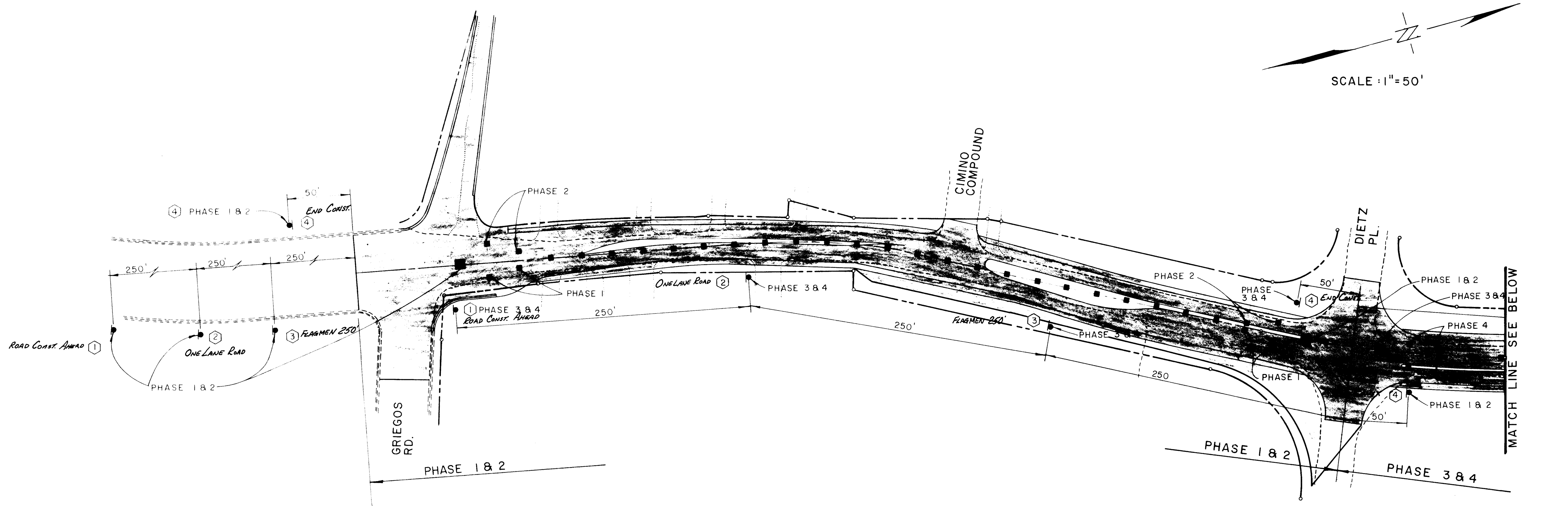
APPROVED FOR CONSTRUCTION
CITY ENGINEER
TRANSPORTATION DEPT. 9/5/84

CIP No. 1668

SHEET 1 OF 11.

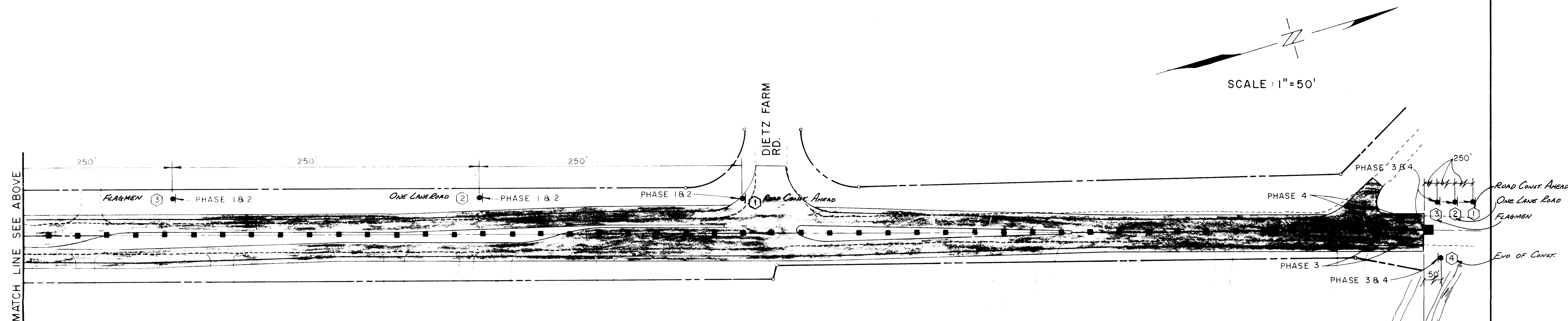
SET NO.

BRUNING 44-132 JW 069013



PHASE 1 NON RUSH HOUR TRAFFIC ONE LANE OPEN-WEST SIDE

PHASE 2 NON RUSH HOUR TRAFFIC ONE LANE OPEN-EAST SIDE



PHASE 3 NON RUSH HOUR TRAFFIC ONE LANE OPEN-WEST SIDE

PHASE 4 NON RUSH HOUR TRAFFIC ONE LANE OPEN-EAST SIDE

NOTES:

1. All traffic control devices shall comply with chapter VI of the 1978 edition "Manual for uniform Traffic Control Devices".

2. The contractor shall prepare and submit to the Project Engineer a detailed detour plan, which is subject to the approval of the City Traffic Engineer, 3 Working days in advance of any required lane closures other than those shown on these plans.

3. All signs must be installed before construction begins as directed by the engineer. The bottom of construction warning signs shall be 7-feet above the sidewalk level.

4. All signs, barricades and/or barrels will be reflectorized All barrels may have sand or water ballast limited to 100 lbs.

5. All signs locations will be selected in the field and approved by the Project Engineer. Distances may be adjusted for local conditions.

6. All signs will be ground mounted on single or double posts. Existing posts may be used at some locations, with the approval of the Project Engineer. Portable sign supports will be acceptable as an alternate for signs which are in place less than 1 week.

7. All signs will be moved forward as the construction progresses.

8. The contractor shall maintain access to business and residences adjacent to the construction area.

9. When barriers are required after dark, all advance warning signs and all barricades shall be equiped with flashing warning lights (type A), except that all channelizing barricades shall have steady burning warning lights (type C).

10. The contractor shall keep the public informed, through the local news media, of construction operations involving street or lane closure.

11. All existing regulatory signs that need to be removed, relocated or reinstalled shall be done by the City of Albuquerque Traffic Engineering Division. The contractor shall notify the Traffic Engineering Division 3 working days in advance of any required work.

12. The contractor shall provide and maintain a safe and adequate means of channeling pedestrain traffic around all work areas throughout the period of construction. All such channelization shall be arranged to prevent pedestrians from having to enter the roadway in order to pass around the work areas.

13. All construction signing shall be black on a reflectorized orange field unless otherwise specified. All construction barricades and channelization devices shall be orange on white, reflectorized, unless otherwise specified.

14. Flagging operations should be limited to 9 AM to 4 PM.

15. All advance warning signs not directly applicable shall be removed, covered, or turned away from oncoming traffic.

16. A minimum lane width of 11 feet shall be provided for traffic in one direction.

17. All advance warning signs shall be 48" x 48" minimum, unless otherwise noted.

18. Equipment and materials are not to be stored within 15' of a traffic lane.

19. Channelizing devices should be placed at a distance equal to the posted speed. (25 MPH use 25' spacing)

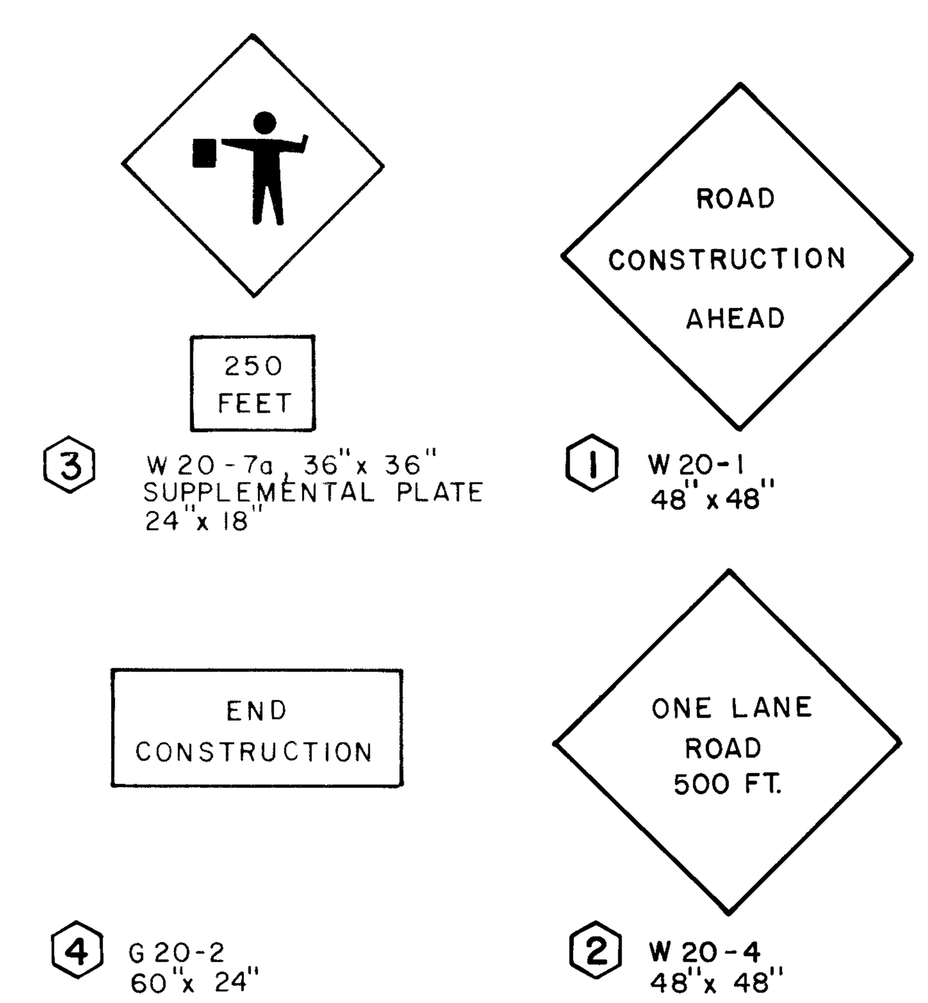
20. When lane closures are not in operation, signs 2 & 3 should be removed or covered up.

21. During rush hours two paved lanes of traffic must be in operation

22. Barrels and Type II barricades are not to be intermixed on this project.

23. Excavations must be plated or patched prior to opening to traffic.

24. City Traffic Engineer shall establish speed limit signing during construction.



LEGEND

- ▪ CHANNELIZING DEVICES, TYPE II OR BARRELS
- ■ FLAG MAN

AS BUILT INFORMATION

BENCH MARKS

SURVEY INFORMATION — FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL — JERALD HART JR, NEW MEXICO 6788, REGISTERED PROFESSIONAL ENGINEER — 8-9-84

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN L.S. JARAMILLO	9-26-83
		DRAWN L.S. JARAMILLO	9-27-83
		CHECKED	8-9-84

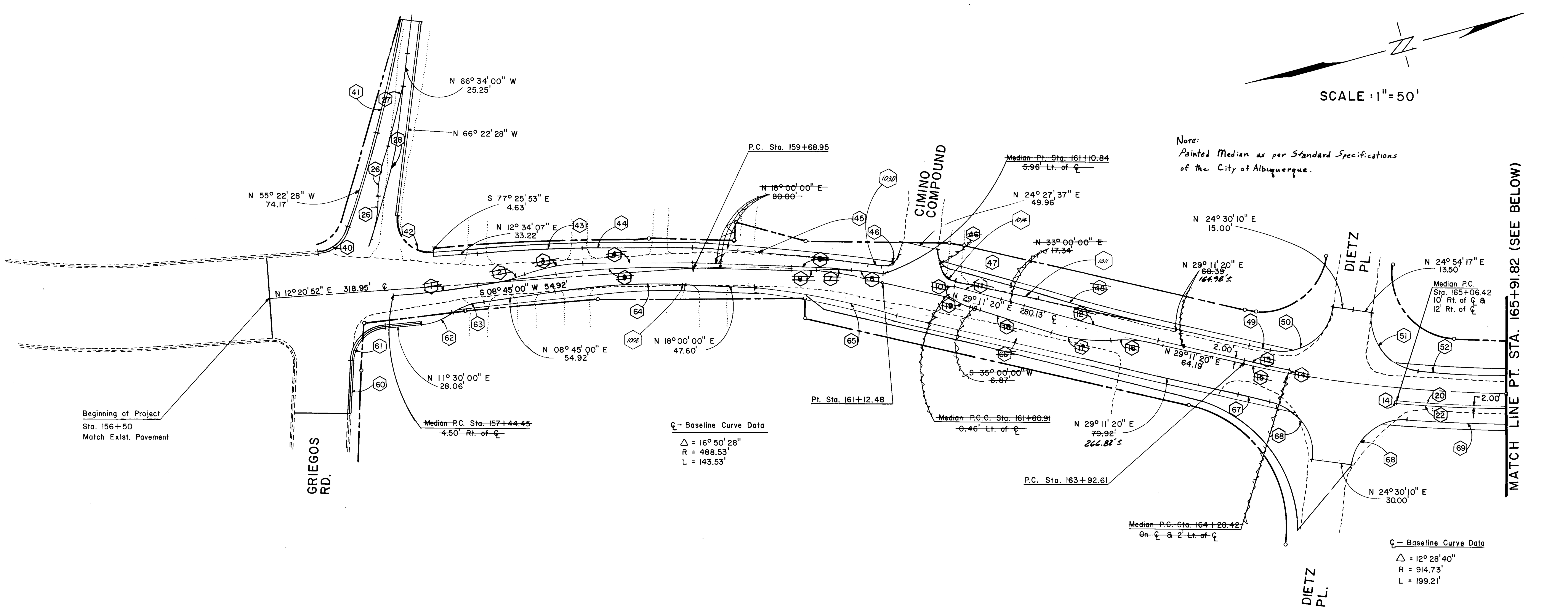
RECORD DRAWING

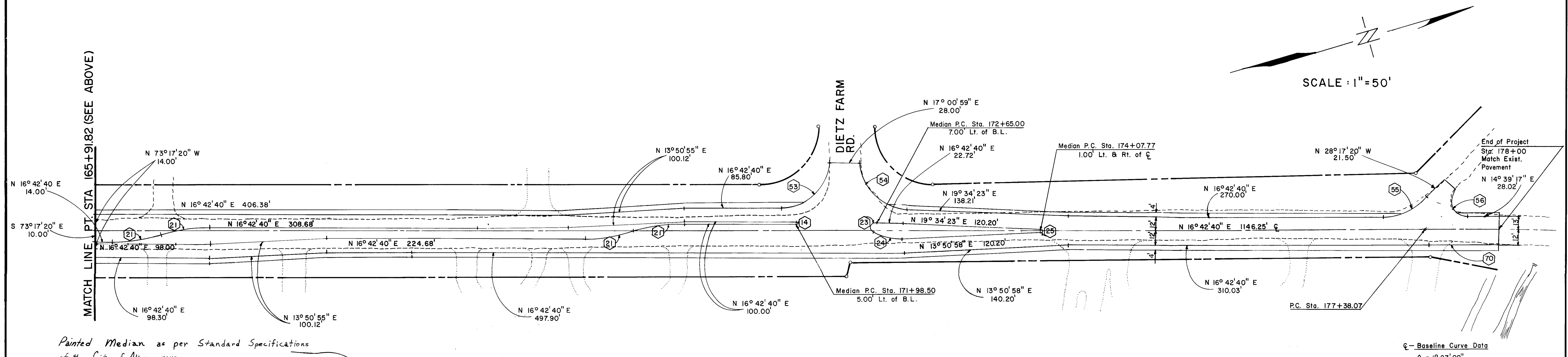
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

TITLE: TRAFFIC CONTROL PLAN
RIO GRANDE BOULEVARD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		8/29/84
A.C.E. Design			Traffic		8-29-84
A.C.E. -Hydrology			Water		8/29/84

DRAWING NO. 1668 | MAP NO F-13 | SHEET 10 OF 11





Painted Median as per Standard Specifications of the City of Albuquerque.

MEDIAN STRIPPING CURVE DATA

CURVE NO.	CENTRAL ANGLE	RADUIS	LENGTH
~~1~~	~~02° 45' 00"~~	~~1345.00'~~	~~64.56'~~
~~2~~	~~12° 00' 00"~~	~~150.00'~~	~~31.42'~~
~~3~~	~~17° 15' 00"~~	~~150.00'~~	~~45.16'~~
~~4~~	~~04° 00' 00"~~	~~1135.00'~~	~~79.24'~~
~~5~~	~~04° 47' 14"~~	~~605.00'~~	~~50.55'~~
~~6~~	~~01° 40' 24"~~	~~605.00'~~	~~17.67'~~
~~7~~	~~12° 03' 31"~~	~~150.00'~~	~~31.57'~~
~~8~~	~~07° 16' 18"~~	~~150.00'~~	~~19.04'~~
~~9~~	~~09° 15' 00"~~	~~616.69'~~	~~99.56'~~
~~10~~	~~152° 53' 19"~~	~~4.00'~~	~~10.67'~~
~~11~~	~~03° 36' 53"~~	~~605.00'~~	~~38.17'~~
~~12~~	~~03° 48' 40"~~	~~1595.00'~~	~~106.09'~~
~~13~~	~~02° 14' 36"~~	~~912.73'~~	~~35.74'~~
~~14~~	~~180° 00' 00"~~	~~1.00'~~	~~3.14'~~
~~15~~	~~02° 14' 36"~~	~~914.73'~~	~~35.81'~~
~~16~~	~~15° 01' 31"~~	~~150.00'~~	~~39.34'~~
~~17~~	~~18° 14' 40"~~	~~150.00'~~	~~47.76'~~
~~18~~	~~02° 35' 32"~~	~~1254.92'~~	~~56.77'~~
~~19~~	~~21° 29' 48"~~	~~50.00'~~	~~18.76'~~
20	05° 20' 56"	924.73'	86.33'
21	16° 15' 37"	150.00'	42.57'
22	05° 20' 56"	926.73'	86.51'
23	150° 24' 29"	4.00'	10.50'
24	29° 35' 31"	50.00'	25.82'
25	174° 16' 36"	1.00'	3.04'
26	14° 50' 06"	150.00'	38.83'
27	11° 11' 32"	368.77'	72.04'
28	11° 11' 32"	636.90'	124.41'

BACK CURB OR EDGE OF DRIVING LANE CURVE DATA
(WEST SIDE OF RIO GRANDE BLVD.)

CURVE NO.	CENTRAL ANGLE	RADIUS	LENGTH
40	67° 43' 20"	25.00'	29.55'
41	11° 25' 53"	453.70'	90.52'
42	101° 03' 25"	25.00'	44.09'
43	01° 25' 53"	3100.00'	77.44'
44	04° 00' 00"	1147.00'	80.08'
45	07°-46'-32" ~~06° 06' 12"~~	1000.00' ~~617.00'~~	135.71' ~~65.72'~~
46	89°-10'-03" ~~87° 22' 12"~~	20.00' ~~15.00'~~	31.13' ~~22.87'~~
47	01°-37'-33" ~~03° 38' 12"~~	2254.91' ~~617.00'~~	63.99' ~~39.16'~~
~~48~~	~~03° 48' 40"~~	~~1583.00'~~	~~105.30'~~
49	01° 01' 21"	900.73'	16.07'
50	93° 39' 49"	40.00'	65.39'
51	93° 33' 49"	40.00'	65.32'
52	04° 13' 41"	900.73'	66.47'
53	90° 00' 00"	40.00'	62.83'
54	87° 08' 18"	40.00'	60.83'
55	45° 00' 00"	50.00'	39.27'
56	135° 00' 00"	15.00'	35.34'
1030	00°-07'-31"	2254.91'	4.92'
1034	89°-10'-13"	20.00'	31.13'
1011	01-37'-33"	2254.91'	63.99'

BACK OF CURB OR DRIVING LAND CURVE DATA
(EAST SIDE OF RIO GRANDE BLVD.)

CURVE NO.	CENTRAL ANGLE	RADIUS	LENGTH
60	03° 54' 02"	600.00'	40.85'
61	79° 07' 58"	25.00'	34.53'
62	30° 15' 16"	50.00'	26.40'
63	27° 30' 18"	50.00'	24.00'
64	09°-08'-19" ~~09° 15' 00"~~	604.69 ~~604.69'~~	96.45' ~~97.62'~~
65	10°-57'-17" ~~17° 00' 00"~~	575.00'	109.94 ~~170.61'~~
~~66~~	~~05° 48' 40"~~	~~1266.92'~~	~~128.49'~~
67	01° 27 53"	938.73'	24.00'
68	86° 46' 43"	40.00'	60.58'
69	04° 34' 13"	938.73'	74.88'
70	01° 27' 09"	2431.07'	61.63'
1002	00°-07'-02"	575.00'	1.18'

THE UNDERSIGNED DOES HEREBY CERTIFY THAT THIS DRAWING WAS REVISED IN ACCORDANCE WITH INFORMATION FURNISHED BY UNIVERSAL CONSTRUCTORS, INC. (CONTRACTOR) AND GREINER ENGINEERING (ENGINEER & SURVEYOR) TO REFLECT THE REPORTED LOCATION OF THE WORK AS ACTUALLY ACCOMPLISHED.

PREPARED UNDER THE SUPERVISION OF:

4/26/85
DATE

[signature]
GREINER ENGINEERING

AS BUILT INFORMATION
CONTRACTOR Universal Constructors, Inc.
WORK STAKED BY Greiner Engr.
INSPECTOR'S ACCEPTANCE BY Greiner Engr.
FIELD VERIFICATION BY Greiner Engr.
DRAWINGS CORRECTED BY Greiner Engr.

MICRO-FILM INFORMATION
RECORDED BY | DATE | NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JERRY D. HART, JR. — NEW MEXICO — 6788 — REGISTERED PROFESSIONAL ENGINEER
8-9-84

REMARKS
REVISIONS
NO. | DATE | BY

DESIGN
DESIGNED BY L.S. JARAMILLO DATE 9-26-83
DRAWN BY G.A. SMITH DATE 7-23-84
CHECKED BY J.H. DATE 8-9-84

26 1668/185

Greiner Engineering
Albuquerque, N.M. 87112 292-1936

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

TITLE:
ROADWAY DATA
RIO GRANDE BOULEVARD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[signature]	9/5/84	Liquid Waste	R. Peña	8/29/84
A.C.E. Design	[signature]	8/30/84	Traffic	[signature]	8-29-84
A.C.E.-Hydrology	D.D. Hogan	8/ /84	Water	R. Peña	8/29/84

DRAWING NO. 1668 | MAP NO. F-13 | SHEET 11 OF 11

E1069013

SURVEY BASELINE COORDINATES

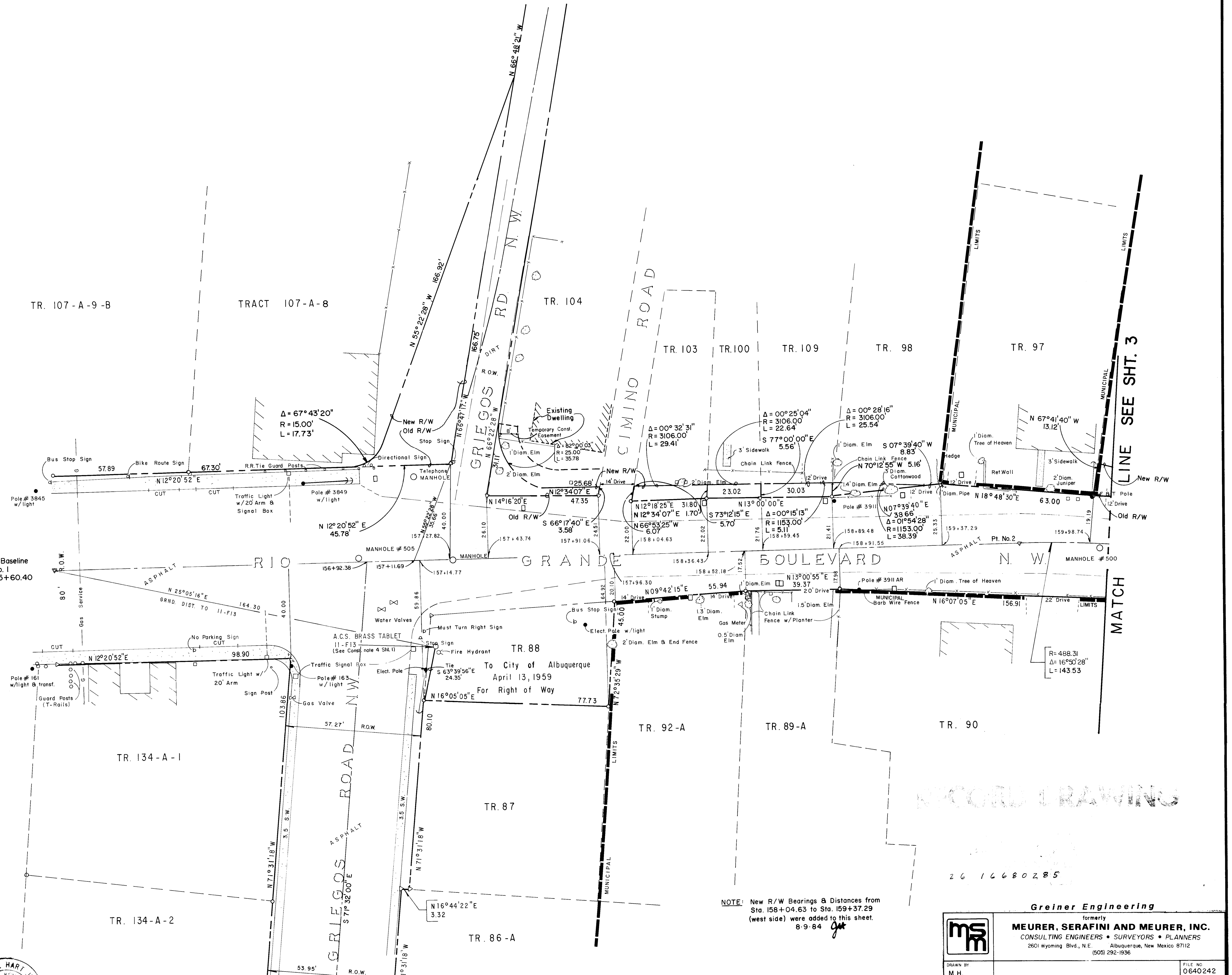
POINT NO.	N	E	STATION
1	1,505,122.1594	374,868.2081	155+60.40
2	1,505,521.2587	374,955.5745	159+68.95
4	1,505,654.9801	375,006.2860	161+12.48
5	1,505,899.5382	375,142.9027	163+92.61
7	1,506,082.6160	375,220.4261	165+91.82

LEGEND

- SET 1/2" REBAR or NAIL
- FOUND REBAR, PIPE or NAIL
- WATER METER
- MAIL BOX
- POLE W/ANCHOR
- TREE or BUSH
- BASE LINE
- RIGHT-OF-WAY LINE
- CURB LINE
- EDGE OF ASPHALT
- FENCE LINE
- MUNICIPAL LIMITS

Scale: 1" = 20'

BEGIN Baseline Sta. 155+60.40, coordinates on New Mexico Coordinate System, Central Zone, [illegible]lta alpha -00° 14' 27". Combined Sea Level and Grid Factor 0.9996979.
y = 1,505,122.1594
x = [illegible]74,868.2081



NOTE: New R/W Bearings & Distances from Sta. 158+04.63 to Sta. 159+37.29 (west side) were added to this sheet. 8·9·84 JH

26 16680285

ZONE ATLAS F-13
M.R.G.C.D. PROP. MAP 31

I, Jeryl Hart, Jr., Registered Professional Land Surveyor, New Mexico License Number 7474, do hereby certify that this Right-of-Way map and legal descriptions were prepared by me or under my supervision from an actual field survey and are true and correct to the best of my knowledge and belief.

Jeryl Hart Jr. — 7/10/81 — Rev. 8-9-84 JH

Jeryl Hart, Jr. New Mexico Registered Professional Land Surveyor No. 7474 — Date

JERYL HART JR. — NEW MEXICO — 7474 — REGISTERED PROFESSIONAL LAND SURVEYOR

Greiner Engineering
formerly
MEURER, SERAFINI AND MEURER, INC.
CONSULTING ENGINEERS • SURVEYORS • PLANNERS
2601 Wyoming Blvd., N.E. Albuquerque, New Mexico 87112
(505) 292-1936

DRAWN BY: M.H.		FILE NO. 0640242
DESIGNED BY:	RIO GRANDE BLVD. N.W. RIGHT OF WAY MAP	SCALE 1" = 20'
CHECKED BY:		DATE APRIL '81
APPROVED BY: J.H.		SHEET NO. 2 of 11

CIP No. 1668

5-70-A

VN 069001З

SURVEY BASELINE COORDINATES

POINT NO.	N	E	STATION
1	1,505,122.1594	374,868.2081	155+60.40
2	1,505,521.2587	374,955.5745	159+68.95
4	1,505,654.9801	375,006.2860	161+12.48
5	1,505,899.5382	375,142.9027	163+92.61
7	1,506,082.6160	375,220.4261	165+91.82

LEGEND

- [illegible] 1/2" REBAR or NAIL
- FOUND REBAR, PIPE or NAIL
- WATER METER
- MAIL BOX
- POLE W/ANCHOR
- TREE or BUSH
- BASE LINE
- RIGHT-OF-WAY LINE
- CURB LINE
- EDGE OF ASPHALT
- FENCE LINE
- MUNICIPAL LIMITS

RECORD DRAWING

26 1668 0385

Baseline Sta. 165+91.[illegible] coordinates on New Mexico Coordinate System, Central [illegible], delta alpha -00°14'25", Combined Sea Level and Grid Factor 0.9996928. [illegible] 1,506,082.6160 [illegible] 375,220.4261

Note: New R/W Bearings & Distances from Sta. 158+91.55 to Sta. 160+52.18 (East Side) were added to this sheet. 4-29-85

I, Jeryl Hart, Jr., Registered Professional Land Surveyor, New Mexico License Number 7474, do hereby certify that this Right-of-Way map and legal descriptions were prepared by me or under my supervision from an actual field survey and are true and correct to the best of my knowledge and belief.

Jeryl Hart Jr. 7/10/81

Jeryl Hart, Jr. New Mexico Registered Professional Land Surveyor No. 7474 Date

ZONE ATLAS F-13
M.R.G.C.D. PROP. MAP 31

Greiner Engineering
formerly
MEURER, SERAFINI AND MEURER, INC.
CONSULTING ENGINEERS • SURVEYORS • PLANNERS
2601 Wyoming Blvd., N.E. Albuquerque, New Mexico 87112
(505) 292-1936

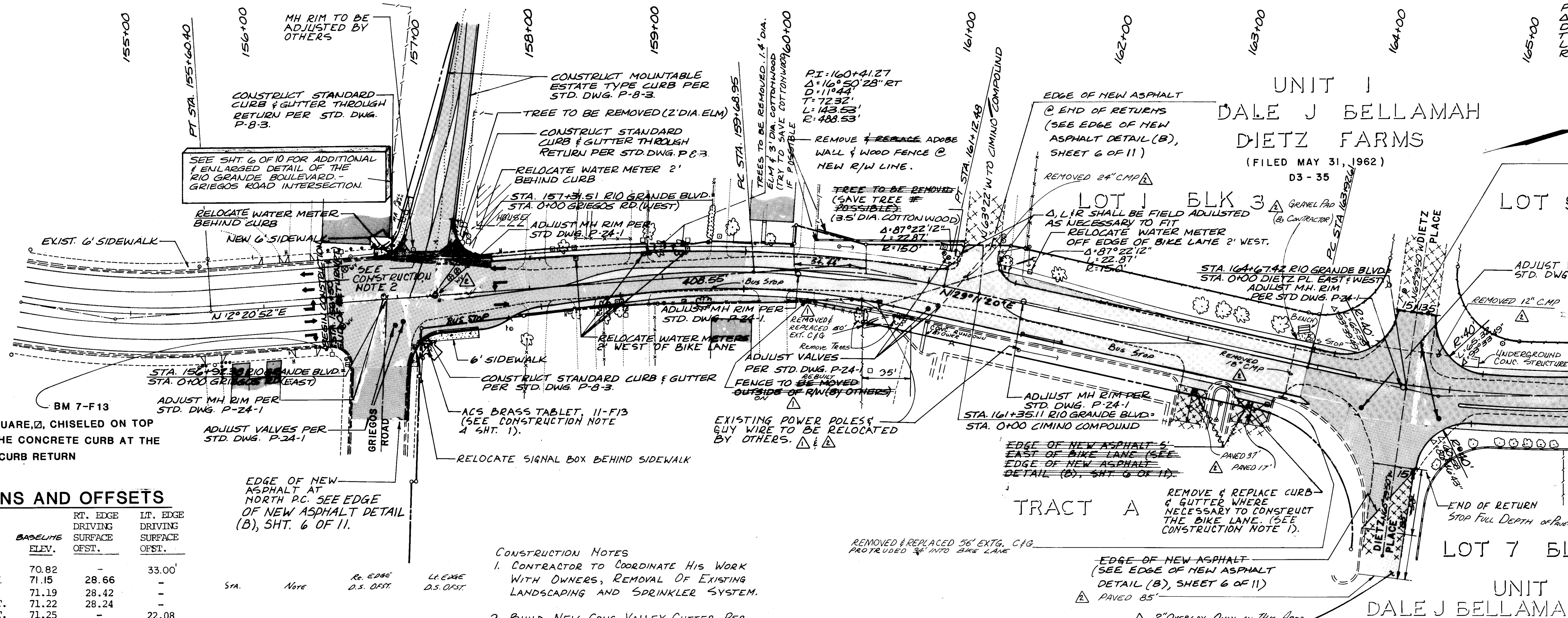
DRAWN BY M.H.	RIO GRANDE BLVD. N.W. RIGHT OF WAY MAP	FILE NO. 0640242
DESIGNED BY		SCALE 1"=20'
CHECKED BY		DATE APRIL '81
APPROVED BY J.H.		SHEET NO. 3 of 11

CIP No. 1668

5-70-

JN 069013

Drawing 44-125



Construction Notes

1. Contractor to coordinate his work with owners, removal of existing landscaping and sprinkler system.
2. Build new conc. valley gutter per Std. Dwg. P-9-2 with 3/4" valley gutter depth.

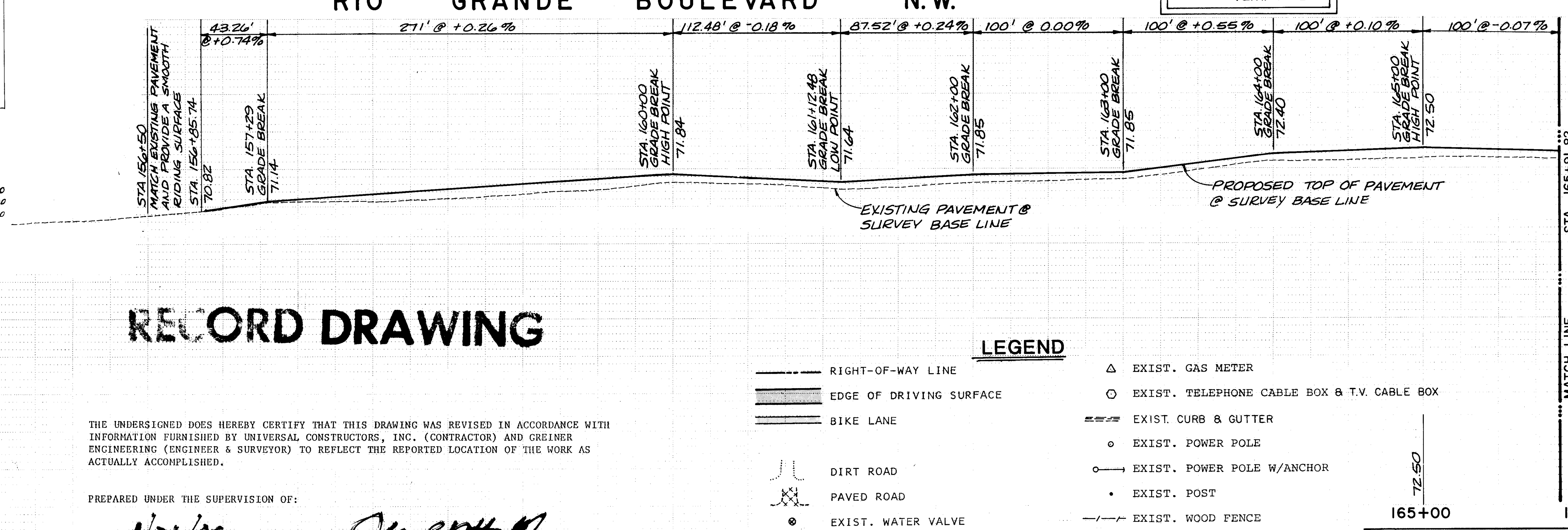
Sta.	Note	Rt. Edge D.S. Ofst.	Lt. Edge D.S. Ofst.
160+76.72	PT RT	18.40'	
160+98.36	PCC LT		15.59'
161+63.65	PC LT		14.00'
162+27.63	PT LT		14.00'

ELEVATIONS AND OFFSETS

Sta.	NOTE	BASELINE ELEV.	RT. EDGE DRIVING SURFACE OFST.	LT. EDGE DRIVING SURFACE OFST.
156+85.74	ER LT.	70.82	-	33.00'
157+33.86	ER RT.	71.15	28.66	-
157+50.00		71.19	28.42	-
157+61.92	PC RT.	71.22	28.24	-
157+74.23	ER LT.	71.25	-	22.08
157+87.01	PRC RT.	71.29	21.06	-
158+00.00		71.32	15.55	23.02
158+07.44	PC LT.	71.34	-	21.95
158+09.70	PT RT.	71.35	13.97	-
158+50.00		71.45	11.44	21.50
158+64.51	PC RT.	71.49	10.53	-
158+84.87	PCC LT.	71.54	-	20.69
159+00.00		71.58	9.34	20.15
159+50.00		71.71	11.21	16.95
159+62.01	PT RT.	71.74	~~12.27~~ 11.99	-
159+64.77	PT LT.	71.75	-	15.59
160+00.00		71.84	~~14.98~~	~~13.04~~
160+10.74	PC RT.	71.82	~~15.23~~	-
160+42.64	PC LT.	71.76	-	~~13.41~~
160+52.16	POC RT.	71.75	~~15.53~~	-
161+06.23	ER LT.	71.65	-	~~17.63~~
161+50.00		71.73	~~17.92~~ 24.00	-
161+62.57	ER LT.	71.76	-	~~20.01~~
~~161+84.42~~	~~POC RT.~~	~~71.81~~	~~17.49~~	-
162+00.00		71.85	~~18.99~~ 24.00	-
162+01.70	PT LT.	71.85	-	~~18.65~~
~~162+19.01~~	PC LT.	71.85	-	~~17.50~~ 14.00
162+50.00		71.85	~~22.45~~ 24.00	~~15.74~~ 14.00
163+00.00		71.85	~~23.94~~ 24.00	~~14.19~~ 14.00
163+12.69	PT RT.	71.92	24.00	-
~~163+24.23~~	~~PT LT.~~	~~71.98~~	~~-~~	~~14.00~~
163+50.00		72.13	24.00	14.00
163+92.61	PC RT&LT	72.36	24.00	14.00
164+00.00		72.40	24.00	14.00
164+08.93	ER LT.	72.41	-	14.00
165+18.85	ER RT.	72.42	24.00	-
165+24.32	ER LT.	72.43	-	14.00
165+50.00		72.46	24.00	14.00
165+91.82	PT RT&LT	72.43	24.00	14.00

SCALE: HORIZ. 1" = 50' VERT. 1" = 2'

RIO GRANDE BOULEVARD N.W.



RECORD DRAWING

THE UNDERSIGNED DOES HEREBY CERTIFY THAT THIS DRAWING WAS REVISED IN ACCORDANCE WITH INFORMATION FURNISHED BY UNIVERSAL CONSTRUCTORS, INC. (CONTRACTOR) AND GREINER ENGINEERING (ENGINEER & SURVEYOR) TO REFLECT THE REPORTED LOCATION OF THE WORK AS ACTUALLY ACCOMPLISHED.

PREPARED UNDER THE SUPERVISION OF:

4/22/85 — DATE

GREINER ENGINEERING

LIST OF ABBREVIATIONS

STA	STATION
ELEV	ELEVATION
RT.	RIGHT
LT.	LEFT
OFST.	OFFSET
E.R.	END OF RETURN
P.C.	POINT OF CURVATURE
P.R.C.	POINT OF REVERSE CURVATURE
P.C.C.	POINT OF COMPOUND CURVATURE
P.T.	POINT OF TANGENCY
∢PT.	ANGLE POINT

LEGEND

RIGHT-OF-WAY LINE
EDGE OF DRIVING SURFACE
BIKE LANE
DIRT ROAD
PAVED ROAD
EXIST. WATER VALVE
EXIST. FIRE HYDRANT
EXIST. MANHOLE
EXIST. SIGN
EXIST. SIGNAL BOX
EXIST. WATER METER
EXIST. GAS METER
EXIST. TELEPHONE CABLE BOX & T.V. CABLE BOX
EXIST. CURB & GUTTER
EXIST. POWER POLE
EXIST. POWER POLE W/ANCHOR
EXIST. POST
EXIST. WOOD FENCE
EXIST. WIRE FENCE
EXIST. ADOBE WALL
EXIST. MAILBOX
EXIST. FOILAGE OR TREE
EXIST. SANITARY SEWER

NOTES

1. Where new pavement ends and meets existing, match the new pavement elevation to the existing elevation and provide a smooth riding surface. See edge of pavement detail sheet 6 of 11.
2. For cross-section of each full station at 100 ft. intervals see sheets 7, 8 and 9.
3. For edge of driving surface offsets every 50 feet and at PC's and PT's, see the elevations and offsets table this sheet. In the plan view a tick mark has been made on the edge of driving surface to coincide with the PC's and PT's listed in the table.
4. See sheet 6 of 11 for typical roadway sections.
5. Striping, traffic signalization and traffic sign removal and replacement shall be done by the Albuquerque Traffic Engineer. The Contractor shall coordinate this portion of the work with the Traffic Engineer.
6. All median, lane and edge striping, and any other required pavement markings will be done by the City's Traffic Engineering Division. See Sht. 11 of 11 for Stations & Curve Data.
7. All stationing is based on the survey base line.
8. Provide earth fill as required at all existing dirt surfaced turn outs to provide a smooth riding surface. Earth fill compaction shall be to a density of not less than 95% of maximum density for the upper six inches as determined by ASTM D 1557. Soil bearing value shall be 20 or more. Transition earth fill from edge of new pavement to existing driving surface. Delete the borrow ditch in these areas. This work is incidental to the completion of the project and no direct payment shall be made for earth fill.
9. Trees not specifically designated for removal are to be protected and are to remain. Do not remove any tree not designated for removal unless approved by the engineer, and if possible try to save trees at Sta. 161+10± & Sta. 159+15±.

26 16680485

MSM/SP Group — CONSULTING ENGINEERS • SURVEYORS • PLANNERS
2601 WYOMING BLVD. N.E. SUITE F ALBUQUERQUE, NEW MEXICO 87112 (505) 292-1936

PLANS PREPARED UNDER THE DIRECTION OF
JERYL D. HART, JR. — REGISTERED PROFESSIONAL ENGINEER — 8-9-84

APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

TITLE: PLAN & PROFILE RIO GRANDE BOULEVARD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[signature]	9/5/84	Liquid Waste	R. Kotes	8/29/84
A.C.E.-Design	[signature]	8/30/84	Traffic	[signature]	8-29-84
A.C.E.-Hydrology	W. Hoge	9/..../84	Water	R. Hand	8/29/84

DRAWING NO. 1668 — SHEET 4 OF 11

AS BUILT INFORMATION
CONTRACTOR Universal Constructors Inc.
WORK STAKED BY Greiner Engr. DATE 4/85
INSPECTOR'S ACCEPTANCE BY Zorato DATE 4/5/85
FIELD VERIFICATION BY Greiner Engr. DATE 4/85
DRAWINGS CORRECTED BY Greiner Engr. DATE 4/22/85

MICRO-FILM INFORMATION
RECORDED BY — DATE — NO.

BENCH MARKS
ACS BM 7-F13, ELEV. 4970.766 (SEE THIS SHEET)

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE
1553	T. ALDRICH	7-80
1546	T. ALDRICH	7-80

REFERENCES
MAP NO. F-13
EST. NO.
WO. NO.

REVISIONS

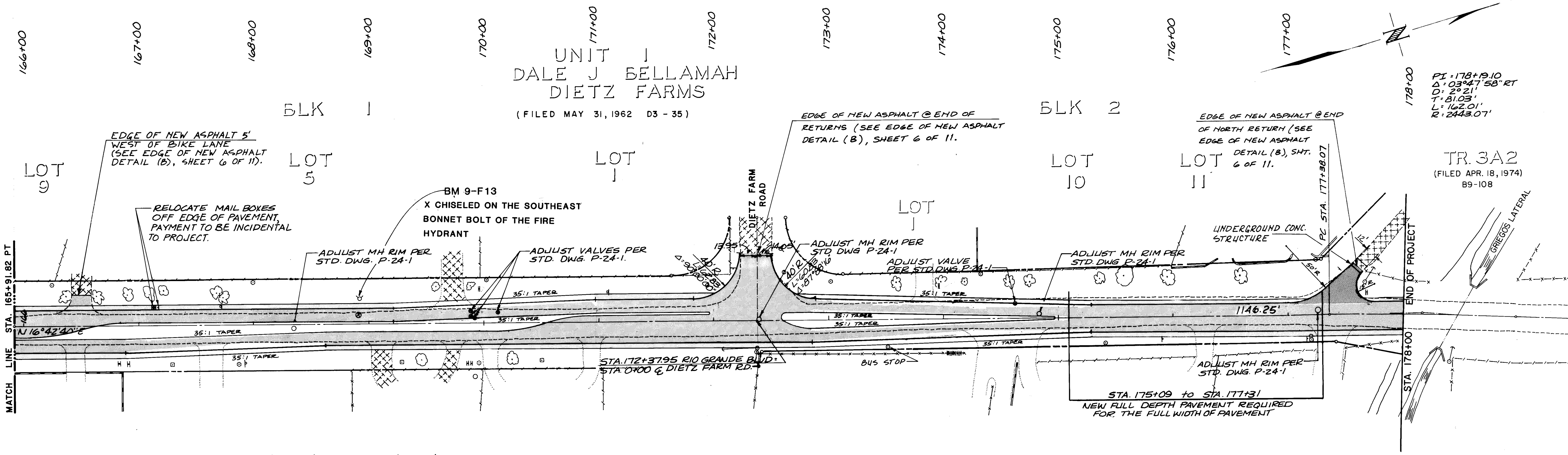
NO.	DATE	REMARKS	BY
1	4-4-85	Change Order to realign roadway Sta 159+00 to 165+00	JDH
2	4-19-85	Record Drawings	JDH

DESIGN
DESIGNED BY D. GROCHOWSKI DATE 12/16/82
DRAWN BY C. SLOCUM DATE 12/16/82
CHECKED BY J. H. DATE 8/84

JN069013

NOTES

1. Where new pavement ends and meets existing, match the new pavement elevation to the existing elevation and provide a smooth riding surface. See edge of pavement detail sheet 6 of 11.
2. For cross-section of each full station at 100 ft. intervals see sheets 7, 8 and 9.
3. For edge of driving surface offsets every 50 feet and at PC's and PT's, see the elevations and offsets table this sheet. In the plan view a tick mark has been made on the edge of driving surface to coincide with the PC's and PT's listed in the table.
4. See sheet 6 of 11 for typical roadway sections.
5. Permanent striping, traffic signalization and traffic sign removal and replacement shall be done by the City of Albuquerque Traffic Engineering Division. The Contractor shall coordinate this portion of the work with the Traffic Engineer and give three working days notice before any work is expected to be done.
6. All median, lane and edge striping, and any other required pavement markings will be done by the City's Traffic Engineering Division. See Sht. 11 of 11 for stations & curve data.
7. All stationing is based on the survey base line.
8. Provide earth fill as required at all existing dirt surfaced turn outs to provide a smooth riding surface. Earth fill compaction shall be to a density of not less than 95% of maximum density for the upper six inches as determined by ASTM D 1557. Soil bearing value shall be 20 or more. Transition earth fill from edge of new pavement to existing driving surface. Delete the borrow ditch in these areas. This work is incidental to the completion of the project and no direct payment shall be made for earth fill.



RECORD DRAWING

SCALE: HORIZ. 1" = 50'
VERT. 1" = 2'

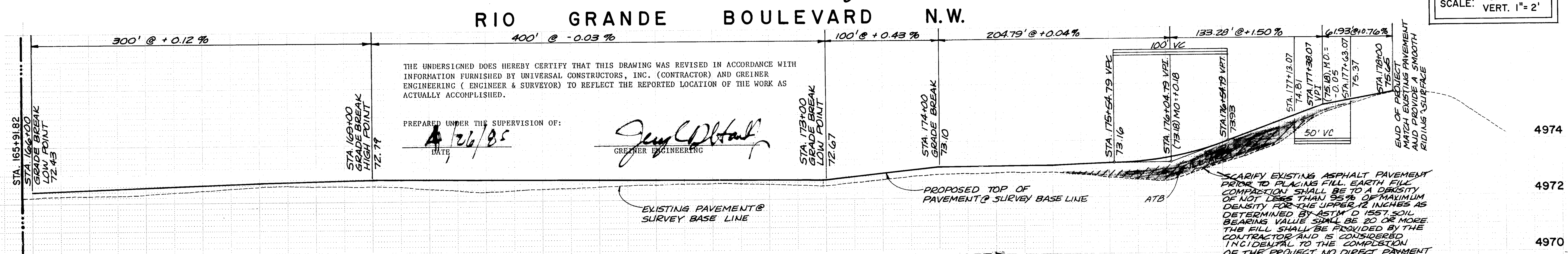
RIO GRANDE BOULEVARD N.W.

THE UNDERSIGNED DOES HEREBY CERTIFY THAT THIS DRAWING WAS REVISED IN ACCORDANCE WITH INFORMATION FURNISHED BY UNIVERSAL CONSTRUCTORS, INC. (CONTRACTOR) AND GREINER ENGINEERING (ENGINEER & SURVEYOR) TO REFLECT THE REPORTED LOCATION OF THE WORK AS ACTUALLY ACCOMPLISHED.

PREPARED UNDER THE SUPERVISION OF:

4/26/85
DATE

GREINER ENGINEERING



ELEVATIONS AND OFFSETS

Sta.	NOTE	BASELINE ELEV.	RT. EDGE DRIVING SURFACE OFST.	LT. EDGE DRIVING SURFACE OFST.
165+91.82	PT RT&LT	72.43	24.00	14.00
166+00.00		72.43	24.00	14.00
166+50.00		72.49	24.00	14.00
166+90.12	∢ PT RT.	72.54	24.00	-
167+00.00		72.55	23.51	14.00
167+50.00		72.61	21.01	14.00
168+00.00		72.67	19.00	14.00
168+50.00		72.73	19.00	14.00
168+65.12	∢ PT RT.	72.75	19.00	-
169+00.00		72.79	19.00	14.00
169+23.20	∢ PT LT.	72.78	-	14.00
169+50.00		72.78	19.00	14.00
170+00.00		72.76	19.00	14.09
170+50.00		72.75	19.00	16.59
170+98.20	∢ PT LT.	72.73	-	19.00
171+00.00		72.73	19.00	19.00
171+50.00		72.72	19.00	19.00

ELEVATIONS AND OFFSETS

Sta.	NOTE	BASELINE ELEV.	RT. EDGE DRIVING SURFACE OFST.	LT. EDGE DRIVING SURFACE OFST.
171+84.00	ER LT.	72.70	-	19.00
172+00.00		72.70	19.00	24.79
172+50.00		72.69	19.00	-
172+88.01	∢ PT RT.	72.67	19.00	-
172+90.00	ER LT.	72.67	-	18.90
173+00.00		72.67	18.40	18.40
173+50.00		72.89	15.90	15.90
174+00.00		73.10	13.40	13.40
174+50.00		73.12	12.00	12.00
175+00.00		73.14	12.00	12.00
175+33.02	∢ PT RT&LT	73.15	12.00	12.00
175+50.00		73.16	12.00	12.00
176+00.00		73.33	12.00	12.00
176+50.00		73.86	12.00	12.00
177+00.00		74.60	12.00	12.00
177+38.07	PC RT&LT	75.13	12.00	12.00
178+00.00	Match Existing Pavement			

LEGEND

- RIGHT-OF-WAY LINE
- EDGE OF DRIVING SURFACE
- BIKE LANE
- DIRT ROAD
- PAVED ROAD
- EXIST. WATER VALVE
- EXIST. FIRE HYDRANT
- EXIST. MANHOLE
- EXIST. SIGN
- EXIST. SIGNAL BOX
- EXIST. WATER METER
- EXIST. GAS METER
- EXIST. TELEPHONE CABLE BOX & T.V. CABLE BOX
- EXIST. POWER POLE
- EXIST. POWER POLE W/ANCHOR
- EXIST. POST
- EXIST. WOOD FENCE
- EXIST. WIRE FENCE
- EXIST. ADOBE WALL
- EXIST. MAILBOX
- EXIST. FOILAGE OR TREE
- EXIST. SANITARY SEWER

LIST OF ABBREVIATIONS

STA	STATION
ELEV	ELEVATION
RT.	RIGHT
LT.	LEFT
OFST.	OFFSET
E.R.	END OF RETURN
P.C.	POINT OF CURVATURE
P.R.C.	POINT OF REVERSE CURVATURE
P.C.C.	POINT OF COMPOUND CURVATUVE
P.T.	POINT OF TANGENCY
∢PT.	ANGLE POINT

72.43	72.55	72.67	72.79	72.76	72.73	72.70	72.67	73.10	73.14	73.83	74.60	
166	167	168	169	170+00	171	172	173	174	175+00	176	177	178	179

26 16680585

Greiner Engineering CONSULTING ENGINEERS • SURVEYORS • PLANNERS

PLANS PREPARED UNDER THE DIRECTION OF

JERYL D. HART, JR. — N.M. 6189 — REGISTERED PROFESSIONAL ENGINEER

8-9-84

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

TITLE: PLAN & PROFILE
RIO GRANDE BOULEVARD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		8/31/84	Liquid Waste		8/20/84
A.C.E.-Design		8/30/84	Traffic		8-29-84
A.C.E.-Hydrology		8/24/84	Water		8/20/84

DRAWING NO. 1668 — SHEET 5 OF 11

AS BUILT INFORMATION
CONTRACTOR Universal Constructors, Inc.
WORK STAKED BY Greiner Engr. DATE 4/85
INSPECTOR'S ACCEPTANCE BY Greiner Engr. DATE 4/5/85
FIELD VERIFICATION BY Greiner Engr. DATE 4/85
DRAWINGS CORRECTED BY Greiner Engr. DATE 4/22/85
MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

BENCH MARKS
ACS BM 9-F13, ELEV. 4974.738 (SEE THIS SHEET)

SURVEY INFORMATION

FIELD NOTES NO.	BY	DATE
1553	T. ALDRICH	7-80
1546	T. ALDRICH	7-80

REFERENCES
MAP NO. F-13
EST. NO.
W.O. NO.

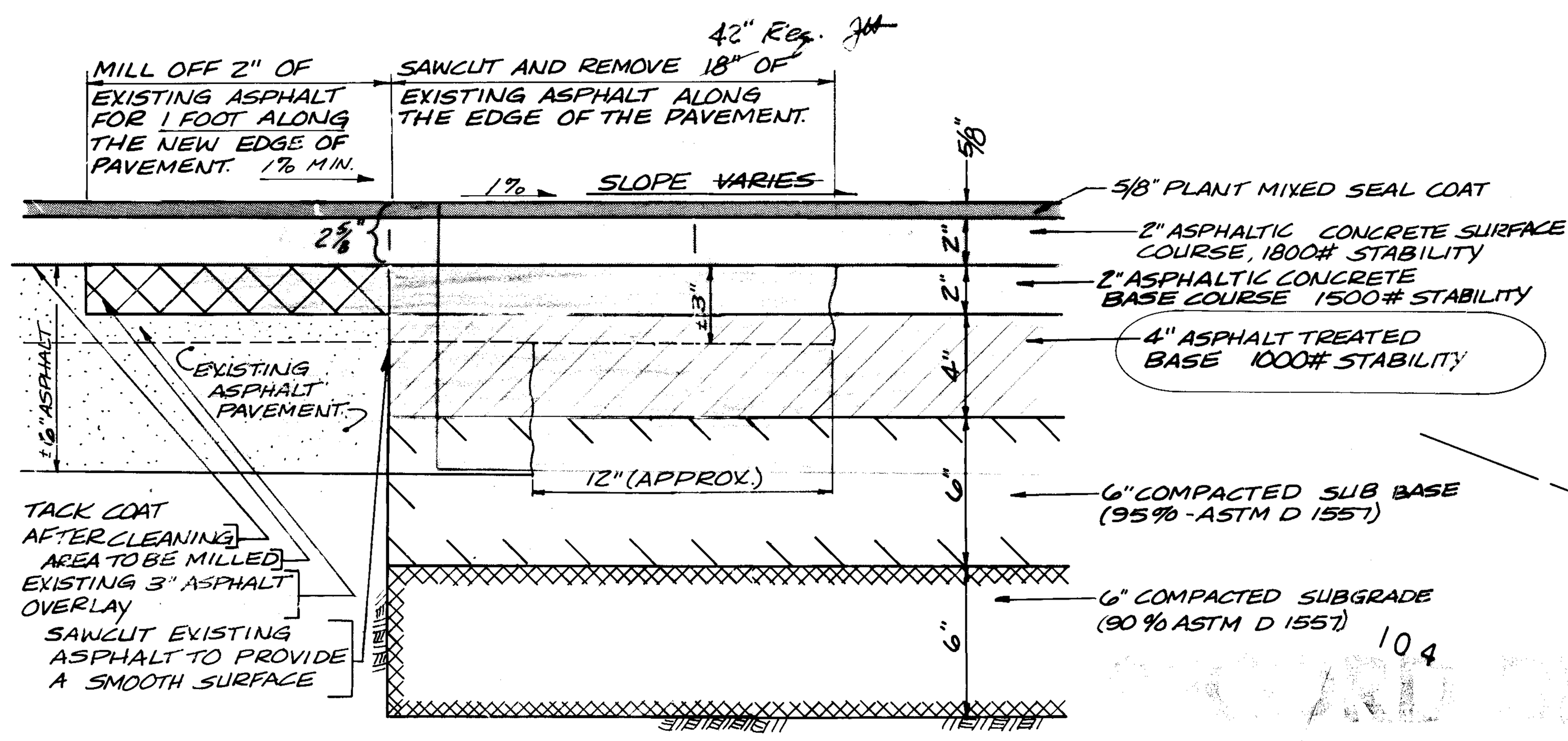
REVISIONS

NO.	DATE	REMARKS	BY

DESIGN		
DESIGNED BY	D. GROCHOWSKI	DATE 12/16/82
DRAWN BY	C. SLOCUM	DATE 12/16/82
CHECKED BY	J. H.	DATE 8/7/84

JJ 0690013

NOTE: AN AREA OF GREATER WIDTH THAN 18" MAY REQUIRE REMOVAL IF SAWCUTTING REVEALS THE ASPHALT DEPTH TO BE ONLY 3 INCHES. PAVEMENT REMOVAL IS NECESSARY UNTIL THE ±6 INCH PAVEMENT DEPTH IS FOUND. 42" Typically Req. JH



KEY DETAIL

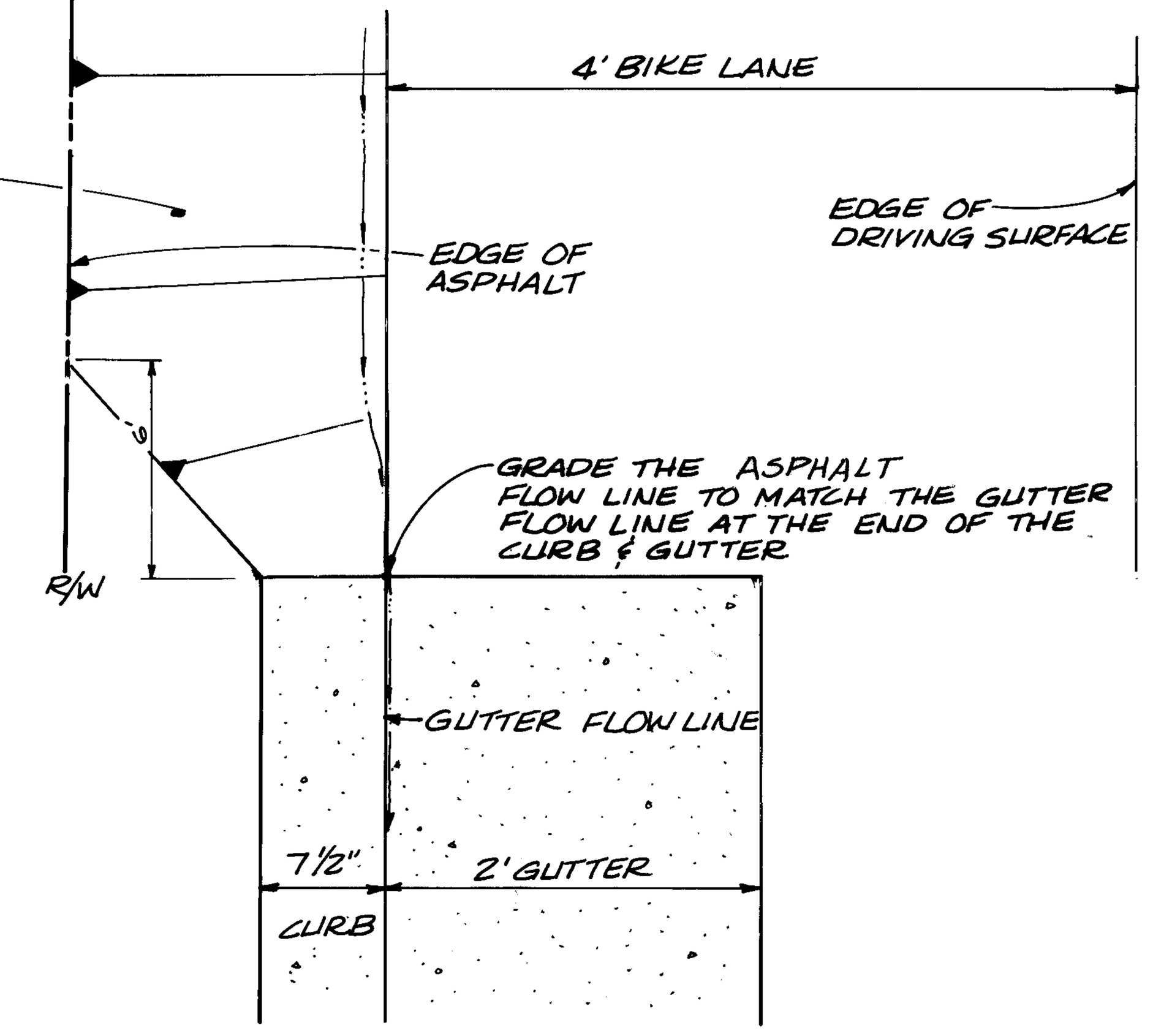
SCALE: 1" = 6"

GRADE AS NECESSARY WITHIN RIGHT OF WAY TO ROUTE RUNOFF TO GUTTER FLOW LINE.

NOTE SWALE NEAR EDGE OF BIKE LANE

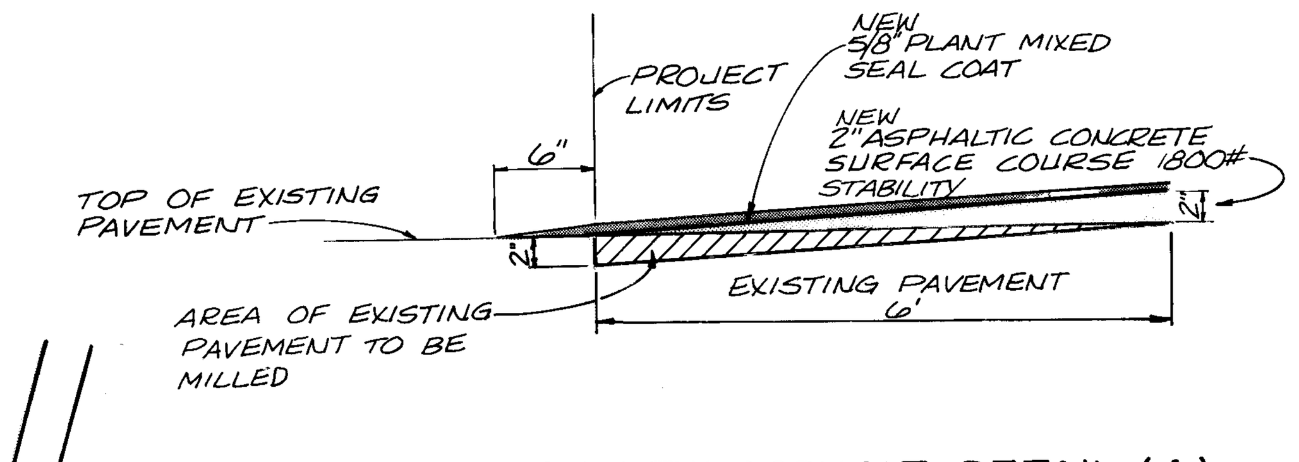
TRAFFIC SIGNALIZATION NOTES:

1. USE 2" CONDUIT EXCEPT AS NOTED
2. PB - PULLBOX STANDARD T-4
3. SP TYPE I - PEDESTAL SIGNAL FOUNDATION TYPE I STD. T-5
4. MASTARM TYPE II FOUNDATION STD. T-6



END CURB & GUTTER DETAIL

NOT TO SCALE



EDGE OF NEW ASPHALT DETAIL (A)

SCALE HORIZ: 1/2" = 1'-0" VERT: 1" = 1'-0"

NOTES

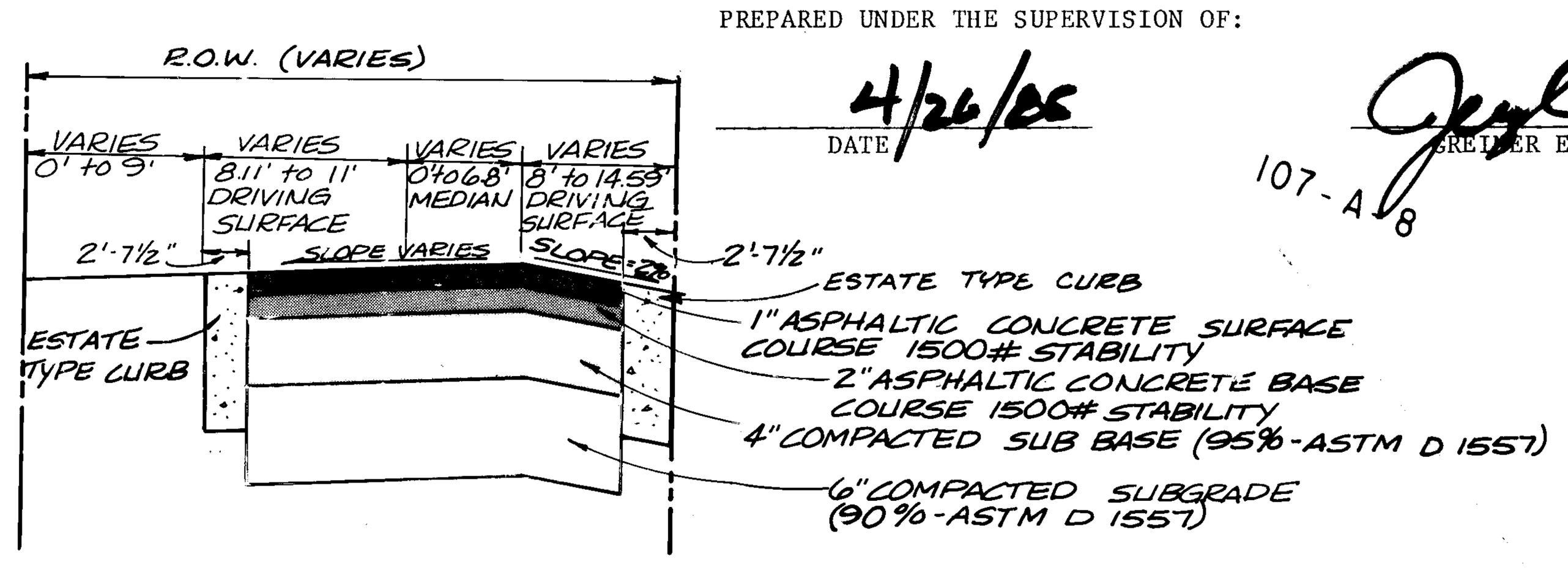
1. Where new pavement ends and meets existing, match the new pavement elevation to the existing elevation and provide a smooth riding surface. See edge of pavement detail sheet 6 of 11.
2. For cross-section of each full station at 100 ft. intervals see sheets 7, 8 and 9 of 11. See sht. 9 of 11 for Griegos Rd. West for profile.
3. See sheet 6 of 11 for typical roadway sections.
4. Permanent striping, traffic signalization and traffic sign removal and replacement shall be done by the City of Albuquerque Traffic Engineering Division. The Contractor shall coordinate this portion of the work with the Traffic Engineer and give three working days notice before any work is expected to be done.
5. All median, lane and edge striping, and any other required pavement markings will be done with reflectorized paint and/or raised and reflectorized pavement markers by the City's Traffic Engineering Division.
6. All stationing is based on the survey base line.
7. Provide earth fill as required at all existing dirt surfaced turn outs to provide a smooth riding surface. Earth fill compaction shall be to a density of not less than 95% of maximum density for the upper six inches as determined by ASTM D 1557. Soil bearing value shall be 20 or more. Transition earth fill from edge of new pavement to existing driving surface. Delete the borrow ditch in these areas. This work is incidental to the completion of the project and no direct payment shall be made for earth fill.

THE UNDERSIGNED DOES HEREBY CERTIFY THAT THIS DRAWING WAS REVISED IN ACCORDANCE WITH INFORMATION FURNISHED BY UNIVERSAL CONSTRUCTORS, INC. (CONTRACTOR) AND GREINER ENGINEERING (ENGINEER & SURVEYOR) TO REFLECT THE REPORTED LOCATION OF THE WORK AS ACTUALLY ACCOMPLISHED.

PREPARED UNDER THE SUPERVISION OF:

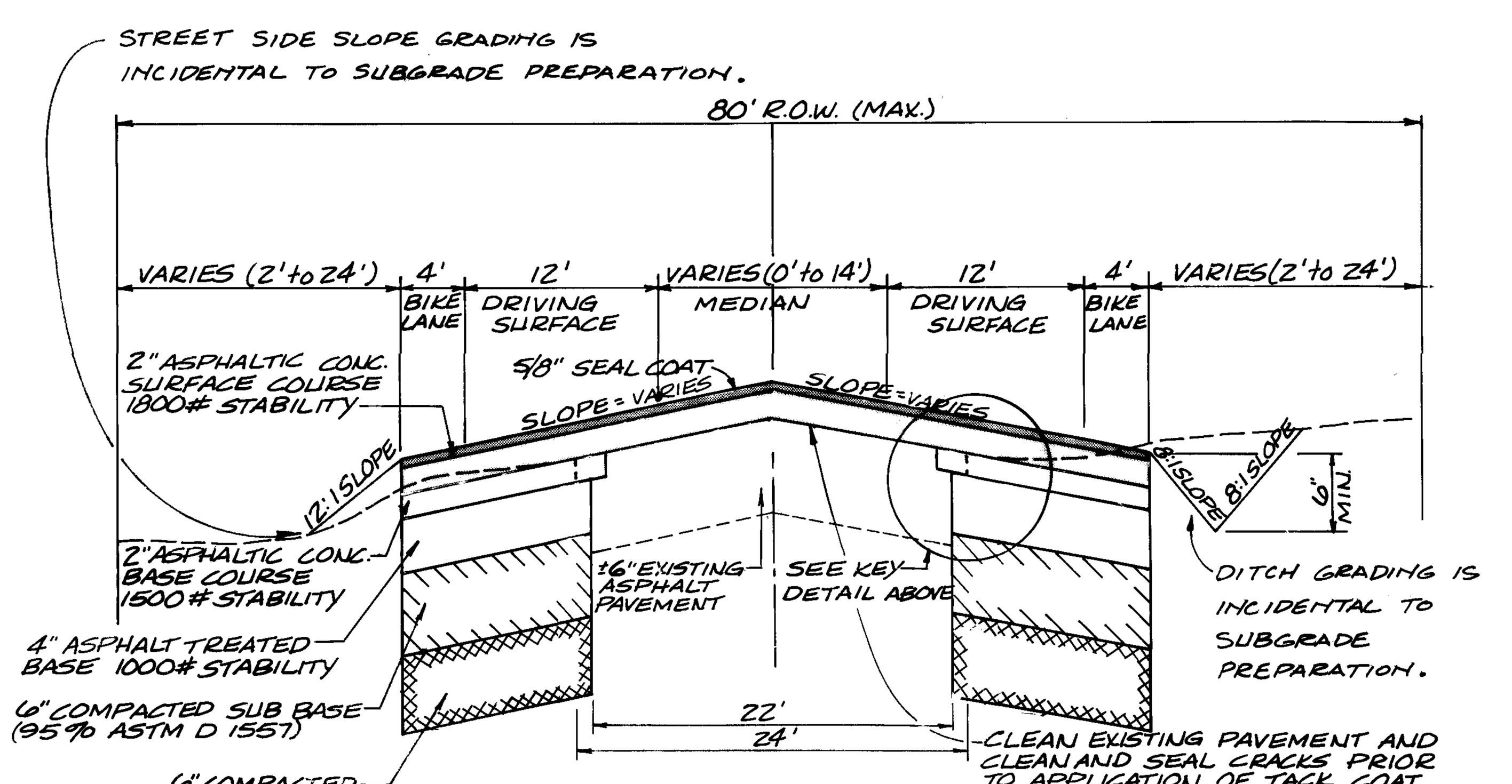
4/26/85 DATE

GREINER ENGINEERING



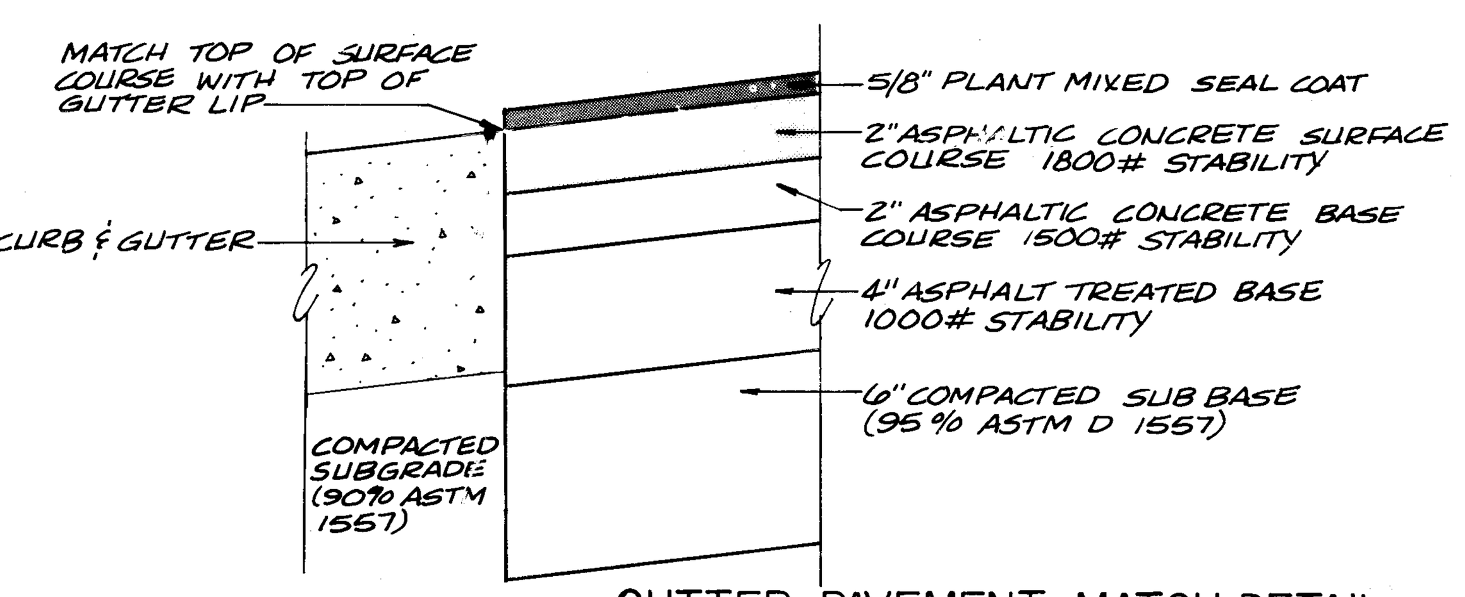
TYPICAL ROADWAY SECTION - GRIEGOS WEST

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



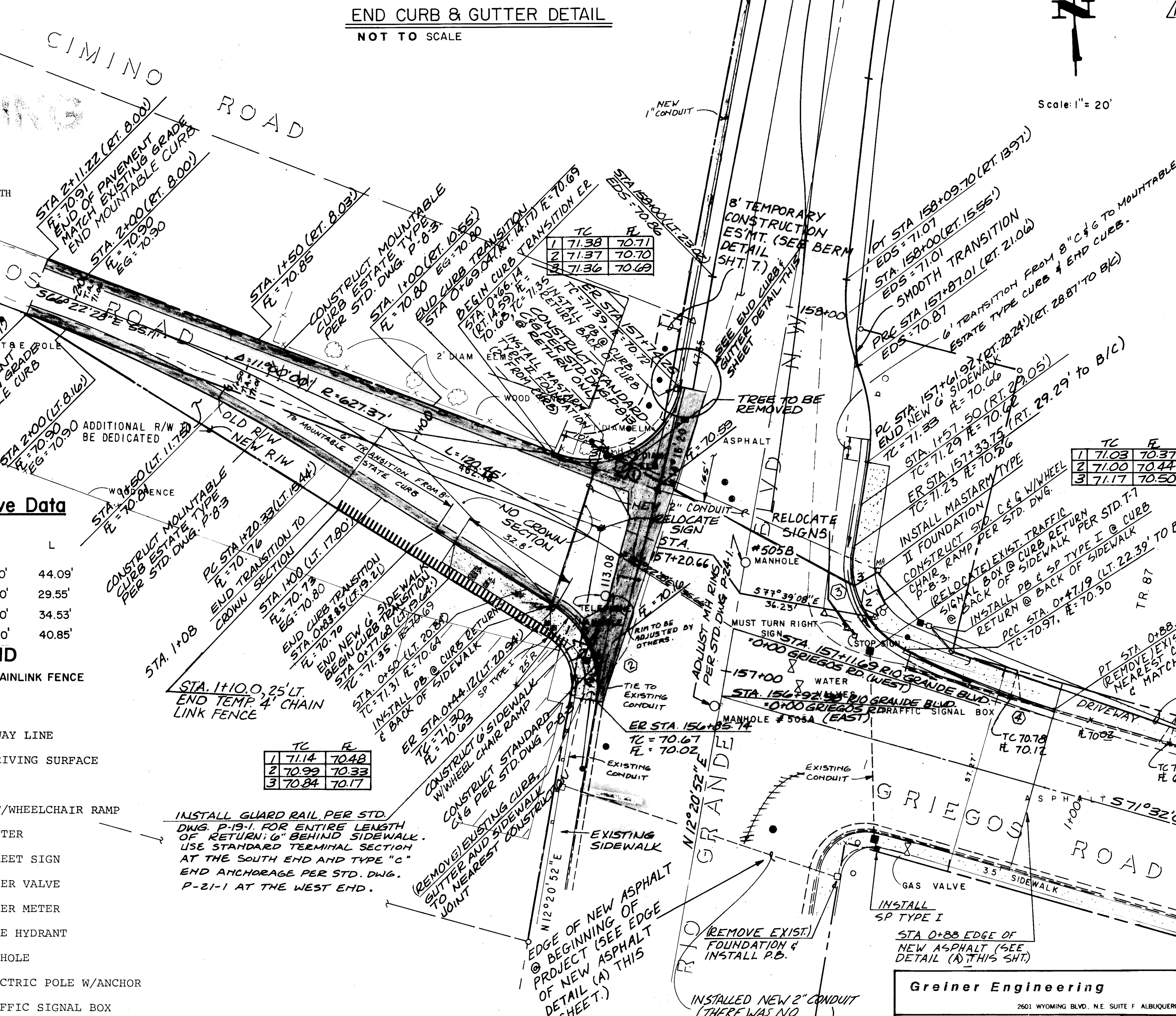
TYPICAL ROADWAY SECTION - RIO GRANDE BLVD.

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



GUTTER-PAVEMENT MATCH DETAIL

SCALE: 1" = 6"



	TC	FL
1	71.38	70.71
2	71.37	70.70
3	71.36	70.69

	TC	FL
1	71.03	70.37
2	71.00	70.44
3	71.17	70.50

	TC	FL
1	71.14	70.48
2	70.99	70.33
3	70.84	70.17

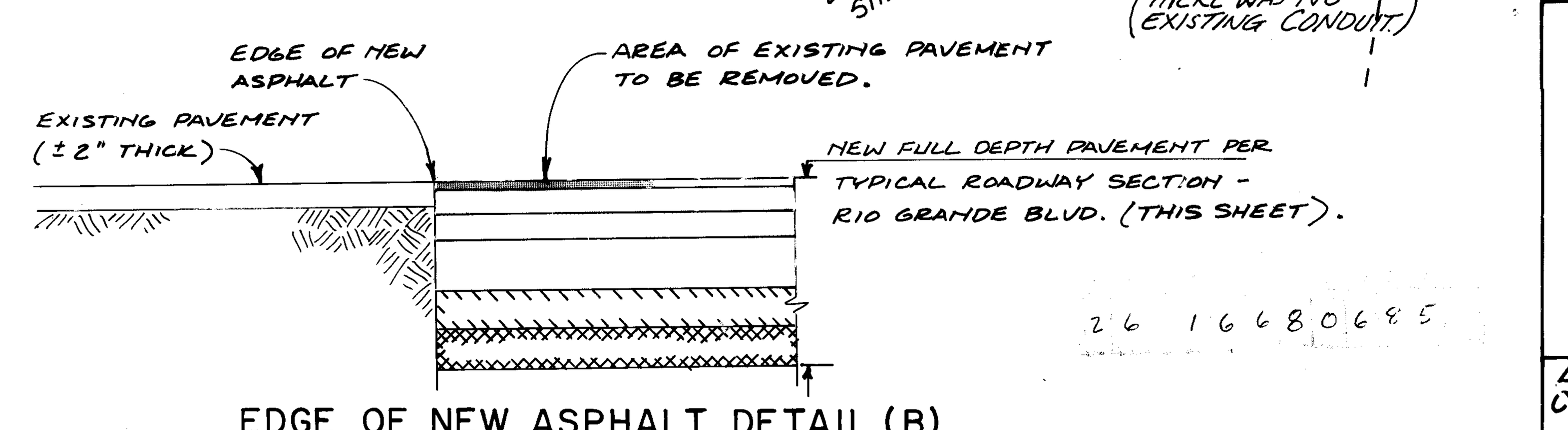
Scale: 1" = 20'

Back of Curb Curve Data

Curve No.	Δ	R	L
1	101° 03' 25"	25.00'	44.09'
2	67° 43' 20"	25.00'	29.55'
3	79° 07' 58"	25.00'	34.53'
4	03° 54' 02"	600.00'	40.85'

LEGEND

- TEMP. 4' CHAINLINK FENCE
- BASE LINE
- RIGHT-OF-WAY LINE
- EDGE OF DRIVING SURFACE
- BIKE LANE
- SIDEWALK W/WHEELCHAIR RAMP
- VALLEY GUTTER
- EXIST. STREET SIGN
- EXIST. WATER VALVE
- EXIST. WATER METER
- EXIST. FIRE HYDRANT
- EXIST. MANHOLE
- EXIST. ELECTRIC POLE W/ANCHOR
- EXIST. TRAFFIC SIGNAL BOX
- EXIST. POST
- EXIST. WOOD FENCE
- EXIST. FOILAGE OR TREE
- FLOW DIRECTION
- EG — EXIST. GROUND
- FL — FLOW LINE
- TC — TOP OF CURB
- ER — END OF RETURN
- EDS — EDGE OF DRIVING SURFACE
- ASC BRASS TABLET 11-F13



EDGE OF NEW ASPHALT DETAIL (B)

SCALE: HORIZ. - 1/2" = 1'-0" VERT. - 1" = 1'-0"

26 16680685

AS BUILT INFORMATION

CONTRACTOR	Universal Constructors, Inc.	
WORK STAKED BY	Greiner Engr.	DATE 4/85
INSPECTOR'S ACCEPTANCE BY	C. Lovato Greiner Engr.	DATE 4/5/85
FIELD VERIFICATION BY	Greiner Engr.	DATE 4/85
DRAWINGS CORRECTED BY	Greiner Engr.	DATE 4/22/85

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

- ACS BM 7-F13, ELEV. 4970.766
- ACS BM 9-F13, ELEV. 4974.738
- ACS BM 10-F13, ELEV. 4973.212

SURVEY INFORMATION — FIELD NOTES

NO.	BY	DATE
1553	T. ALDRICH	7-80
1546	T. ALDRICH	7-80

REFERENCES

MAP NO.	F-13
EST. NO.	
W.O. NO.	

REVISIONS

NO.	DATE	REMARKS	BY
1	8-27-84	Reference Sht. 9	LSJ

DESIGN

DESIGNED BY	D. GROCHOWSKI	DATE 12/16/82
DRAWN BY	C. SLOCUM	DATE 12/16/82
CHECKED BY	[signature]	DATE 8/9/84

Greiner Engineering CONSULTING ENGINEERS · SURVEYORS · PLANNERS
2601 WYOMING BLVD., N.E. SUITE F ALBUQUERQUE, NEW MEXICO 87112 (505) 292-1936

PLANS PREPARED UNDER THE DIRECTION OF
JERYL D. HART JR. NEW MEXICO 6788 REGISTERED PROFESSIONAL ENGINEER
8-9-84

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

TITLE: PLAN DETAIL
RIO GRANDE BLVD., GRIEGOS RD. INTERSECTION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C. H. [signature]	9/5/84	Liquid Waste	R. [signature]	8/29/84
A.C.E.-Design	[signature]	8/30/84	Traffic	[signature]	8-29-84
A.C.E.-Hydrology	[signature]	[illegible]	Water	R. [signature]	8/29/84

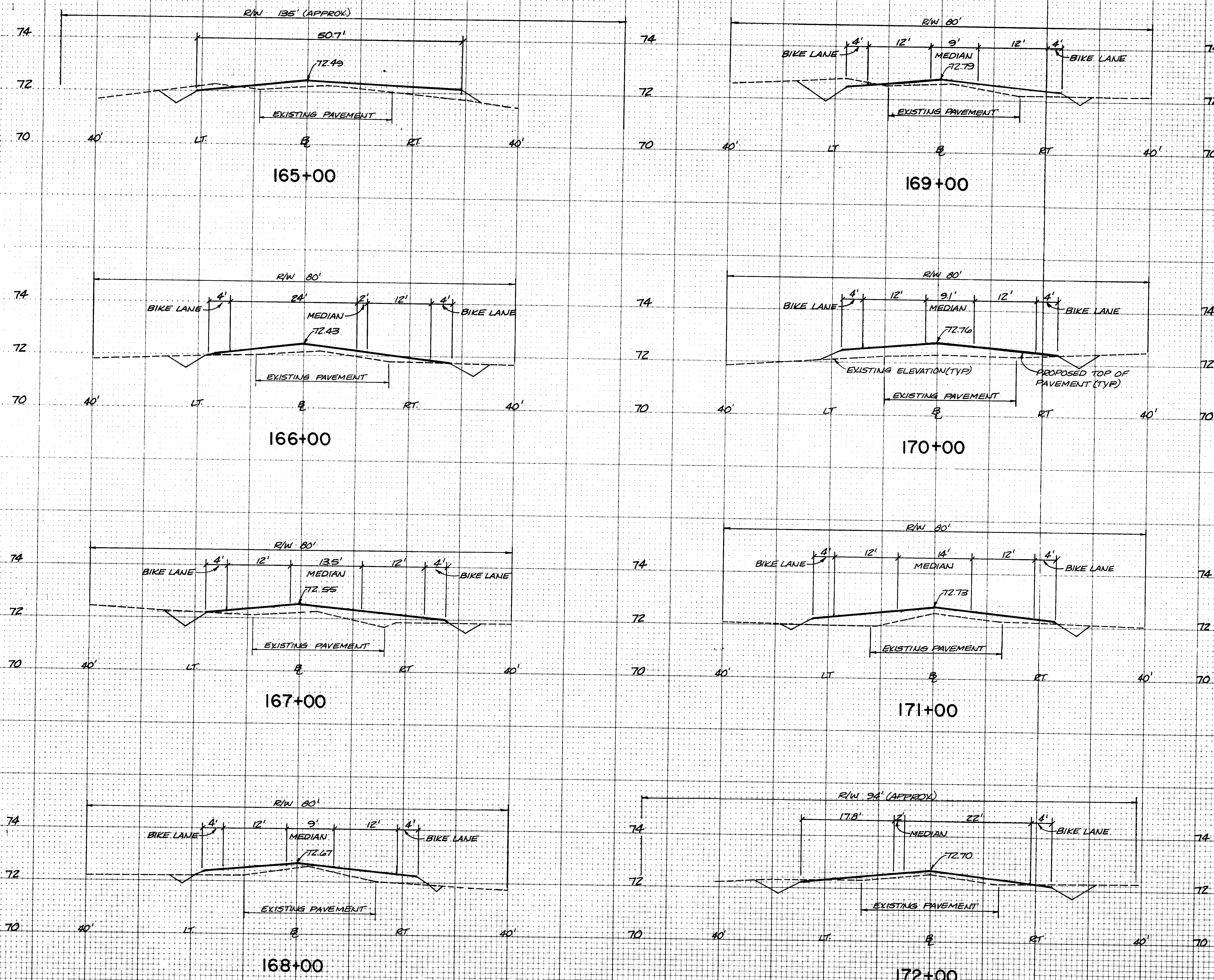
DRAWING NO. 1668 SHEET 6 OF 11

JN0690013

A MINIMUM OF 2-5/8" OF BITUMINOUS PAVEMENT SHALL BE PLACED ON ALL EXISTING PAVEMENT.
The existing pavement structure that is not removed is to have at least a 2 5/8" overlay (2" Asphalt Concrete Surface Course, 1800 lb. stability plus 5/8" Plant Mix Seal Coat) placed over it everywhere and no milling of the existing surface is to be done just to match the profile grade line or typical sections. A thicker overlay or even leveling is desireable at the direction of the Engineer to assure good rideability. Any such thicker overlay or leveling will be incidental to the total cost of the project.
157+50
CURB & GUTTER
VALLEY GUTTER
BUS BAY
S.W.
71.19
161+00
R/W 69' (APPROX)
BIKE LANE
EXISTING CURB
EXISTING PAVEMENT
158+00
R/W 47' (APPROX.)
EXTEND PAVEMENT TO R/W LINE
71.32
162+00
R/W 80'
71.85
EXISTING ELEVATION(TYP)
PROPOSED TOP OF PAVEMENT(TYP)
159+00
R/W 46' (APPROX.)
71.58
163+00
MEDIAN
160+00
R/W 44' (APPROX.)
71.84
164+00
R/W 90' (APPROX.)
72.40
8' TEMPORARY EASEMENT
SLOPE 1:1
EXISTING GROUND
90% COMPACTION
PROPERTY LINE
8"x8"x8.0' REDWOOD WOODEN TIMBER POST SPACED @ 4' O.C.
BERM DETAIL
RECORD DRAWING
No Elevations As Built
THE UNDERSIGNED DOES HEREBY CERTIFY THAT THIS DRAWING WAS REVISED IN ACCORDANCE WITH INFORMATION FURNISHED BY UNIVERSAL CONSTRUCTORS, INC. (CONTRACTOR) AND GREINER ENGINEERING (ENGINEER & SURVEYOR) TO REFLECT THE REPORTED LOCATION OF THE WORK AS ACTUALLY ACCOMPLISHED.
PREPARED UNDER THE SUPERVISION OF:
4/26/85
DATE
GREINER ENGINEERING
SCALE: HORIZ. 1" = 10' VERT. 1" = 2'
AS BUILT INFORMATION
CONTRACTOR Universal Constructors, Inc.
WORK STAKED BY Greiner Engr. DATE 4/85
INSPECTOR'S ACCEPTANCE BY C. Lovato Greiner Engr. DATE 4/5/85
FIELD VERIFICATION BY Greiner Engr. DATE 4/85
DRAWINGS CORRECTED BY Greiner Engr. DATE 4/22/85
MICRO-FILM INFORMATION
BENCH MARKS
ACS BM 7-F13, ELEV. 4970.766
ACS BM 9-F13, ELEV. 4974.738
ACS BM 10-F13, ELEV. 4973.212
SURVEY INFORMATION
FIELD NOTES
1553 T. ALDRICH 7-80
1546 T. ALDRICH 7-80
REFERENCES
MAP NO. F-13
DESIGNED BY D. GROCHOWSKI DATE 12/16/82
DRAWN BY C. SLOCUM DATE 12/16/82
Greiner Engineering
CONSULTING ENGINEERS · SURVEYORS · PLANNERS
2601 WYOMING BLVD, N.E., SUITE F ALBUQUERQUE, NEW MEXICO 87110 (505) 292-1936
PLANS PREPARED UNDER THE DIRECTION OF
JERYL D. HART, JR. NEW MEXICO 6788 REGISTERED PROFESSIONAL ENGINEER
8/9/84
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
TITLE: CROSS SECTIONS RIO GRANDE BOULEVARD
City Engineer 9/5/84
A.C.E.-Design 8/30/84
A.C.E.-Hydrology 8/22/84
Liquid Waste R. Peña 8/29/84
Traffic 8-29-84
Water 8/29/84
APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE
DRAWING NO. 1668
SHEET 7 OF 11

A MINIMUM OF 2-5/8" OF BITUMINOUS PAVEMENT SHALL BE PLACED ON ALL EXISTING PAVEMENT.

The existing pavement structure that is not removed is to have at least a 2 5/8" overlay (2" Asphalt Concrete Surface Course, 1800 lb. stability plus 5/8" Plant Mix Seal Coat) placed over it everywhere and no milling of the existing surface is to be done just to match the profile grade line or typical sections. A thicker overlay or even leveling is desireable at the direction of the Engineer to assure good rideability. Any such thicker overlay or leveling will be incidental to the total cost of the project.



RECORD DRAWING

No Elevations As-Built

SCALE: HORIZ. 1" = 10'
VERT. 1" = 2'

AS BUILT INFORMATION

CONTRACTOR	Universal Constructors, Inc.	DATE 4/85
WORK STAKED BY	Greiner Engr.	DATE 4/85
INSPECTOR'S ACCEPTANCE BY	C. Lovato Greiner Engr.	DATE 4/5/85
FIELD VERIFICATION BY	Greiner Engr.	DATE 4/85
DRAWINGS CORRECTED BY	Greiner Engr.	DATE 4/22/85

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO	

BENCH MARKS

ACS BM 7-F13, ELEV. 4970.766
ACS BM 9-F13, ELEV. 4974.738
ACS BM 10-F13, ELEV. 4973.212

SURVEY INFORMATION

FIELD NOTES NO	BY	DATE
1553	T. ALDRICH	7-80
1546	T. ALDRICH	7-80

REFERENCES

MAP NO. F-13 | WO. NO.
EST. NO.

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY D. GROCHOWSKI DATE 12/16/82
DRAWN BY C. SLOCUM DATE 12/16/82
CHECKED BY J.H. DATE 8/9/84

Greiner Engineering CONSULTING ENGINEERS · SURVEYORS · PLANNERS
2601 WYOMING BLVD. N.E. SUITE F ALBUQUERQUE, NEW MEXICO 87110 (505) 292-1936

PLANS PREPARED UNDER THE DIRECTION OF
JERYL D. HART, JR. NEW MEXICO 6788 REGISTERED PROFESSIONAL ENGINEER 8/9/84

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

TITLE: CROSS SECTIONS
RIO GRANDE BOULEVARD

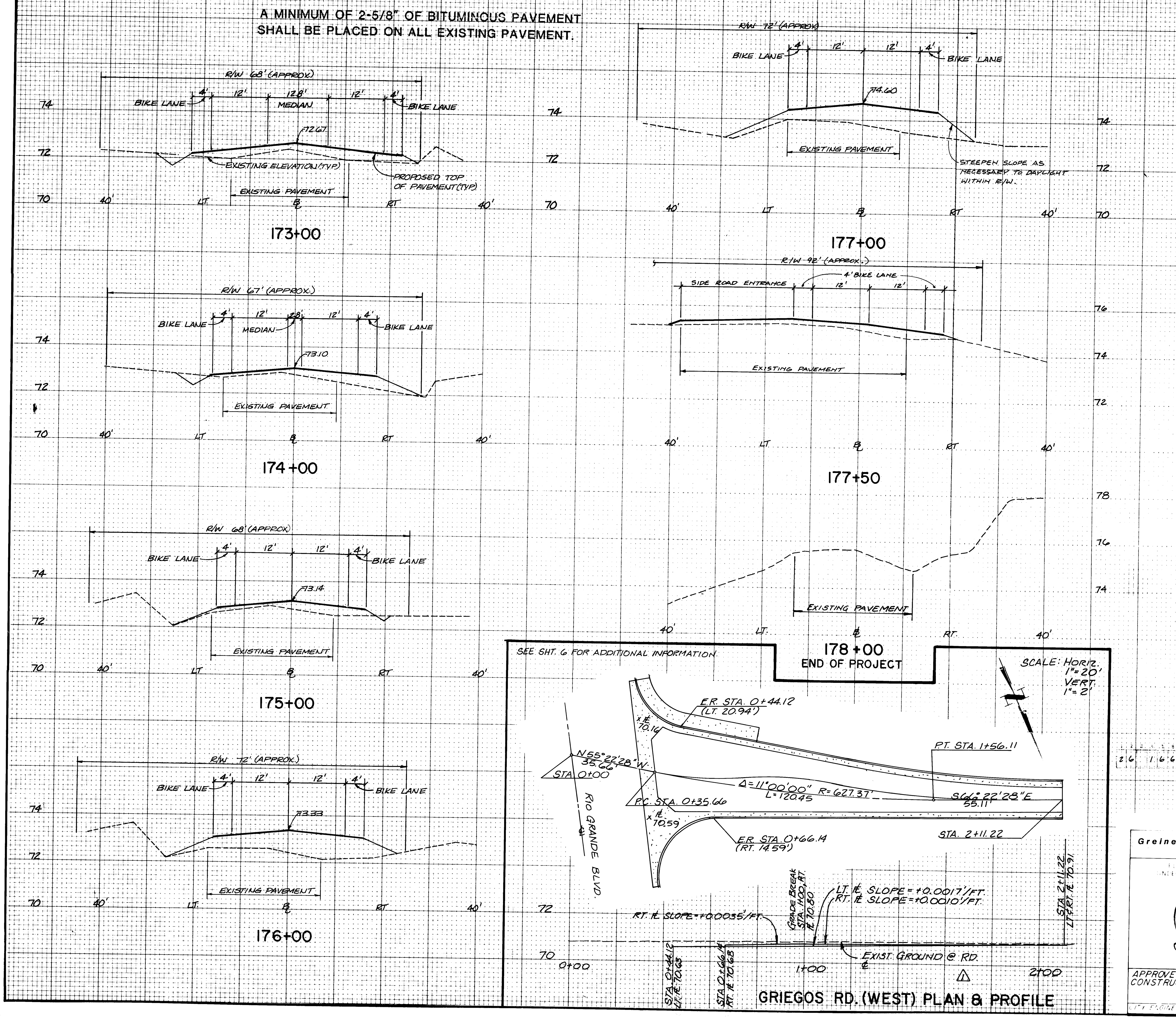
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		9/9/84	Liquid Waste		8/29/84
A.C.E.-Design		8/30/84	Traffic		8-29-84
A.C.E.-Hydrology	D.W. Hoge	8/22/84	Water	R. Pond	8/29/84

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

DRAWING NO. 1668

SHEET 8 OF 11



The existing pavement structure that is not removed is to have at least a 2 5/8" overlay (2" Asphalt Concrete Surface Course, 1800 lb. stability plus 5/8" Plant Mix Seal Coat) placed over it everywhere and no milling of the existing surface is to be done just to match the profile grade line or typical sections. A thicker overlay or even leveling is desireable at the direction of the Engineer to assure good rideability. Any such thicker overlay or leveling will be incidental to the total cost of the project.

AS BUILT INFORMATION: Universal Constructors, Inc. 4/85; Greiner Engr. 4/5/85; Greiner Engr. 4/22/85

MICRO-FILM INFORMATION

BENCH MARKS: ACS BM 7-F13, ELEV. 4970.766; ACS BM 9-F13, ELEV. 4974.738; ACS BM 10-F13, ELEV. 4973.212

SURVEY INFORMATION — FIELD NOTES: 1553 T. ALDRICH 7-80; 1546 T. ALDRICH 7-80

REFERENCES: MAP NO. F-13

SCALE: HORIZ. 1" = 10' VERT. 1" = 2' (CROSS SECTIONS ONLY)

REVISIONS: 1 — 8-27-84 PLAN & PROFILE GRIEGOS RD.

DESIGNED BY D. GROCHOWSKI 12/16/82; DRAWN BY C. SLOCUM 12/16/82; CHECKED BY J.H.

Greiner Engineering CONSULTING ENGINEERS · SURVEYORS · PLANNERS
2601 WYOMING BLVD. N.E., SUITE F ALBUQUERQUE, NEW MEXICO 87110 (505) 292-1930

PLANS PREPARED UNDER THE DIRECTION OF JERYL D. HART, NEW MEXICO 6786 REGISTERED PROFESSIONAL ENGINEER 8/9/84

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

TITLE RIO GRANDE BLVD. CROSS SECTIONS & GRIEGOS RD. (WEST) PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C. D. Sheppard	9/5/84	Liquid Waste	R. Petra	8/29/84
A.C.E. Design	[illegible]	8/30/84	Traffic	[illegible]	8-29-84
A.C.E. Hydrology	[illegible]	8/22/84	Water	R. Petra	8/29/84

DRAWING NO. 1668 SHEET 9 OF 11

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