

**LAX TO PALMDALE  
ADVANCED TECHNOLOGY DEMONSTRATION PROJECT**

**PREPARED FOR:**

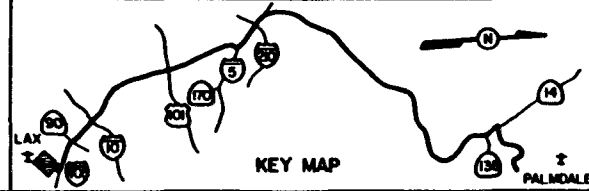


**LOS ANGELES COUNTY  
TRANSPORTATION COMMISSION**

# INDEX OF DRAWINGS

SHEET NO. \_\_\_\_\_ TITLE \_\_\_\_\_

SHEET NO. \_\_\_\_\_ TITLE \_\_\_\_\_



**M** LOS ANGELES COUNTY TRANSPORTATION COMMISSION  
LAX - Palmdale Advanced Technology Demonstration Project

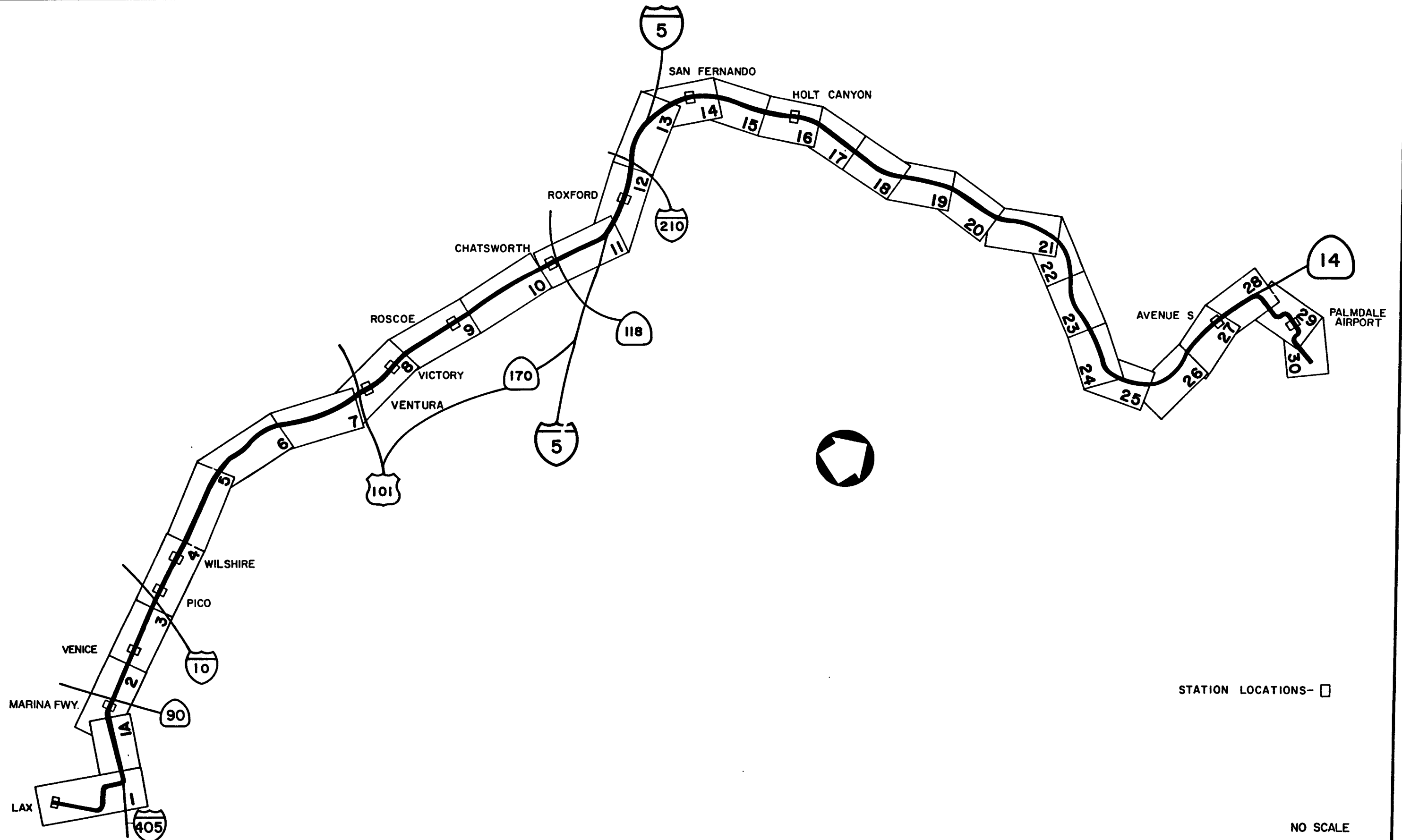
*Parsons  
Brinckerhoff  
Quade &  
Douglas, Inc.*

  
CORDOBA CORPORATION

\_\_\_\_\_

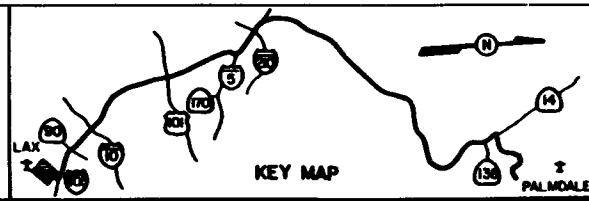
**BASELINE ALIGNMENT  
STA 100+00 TO STA 182+00**

SHEET NO. \_\_\_\_\_



STATION LOCATIONS- □

NO SCALE



**M** LOS ANGELES COUNTY TRANSPORTATION COMMISSION  
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 Quade &  
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**C** CORDOBA CORPORATION

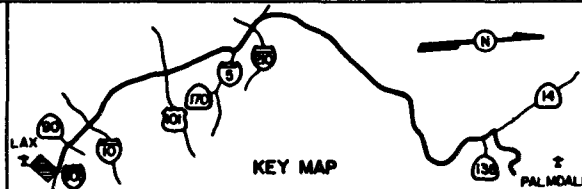
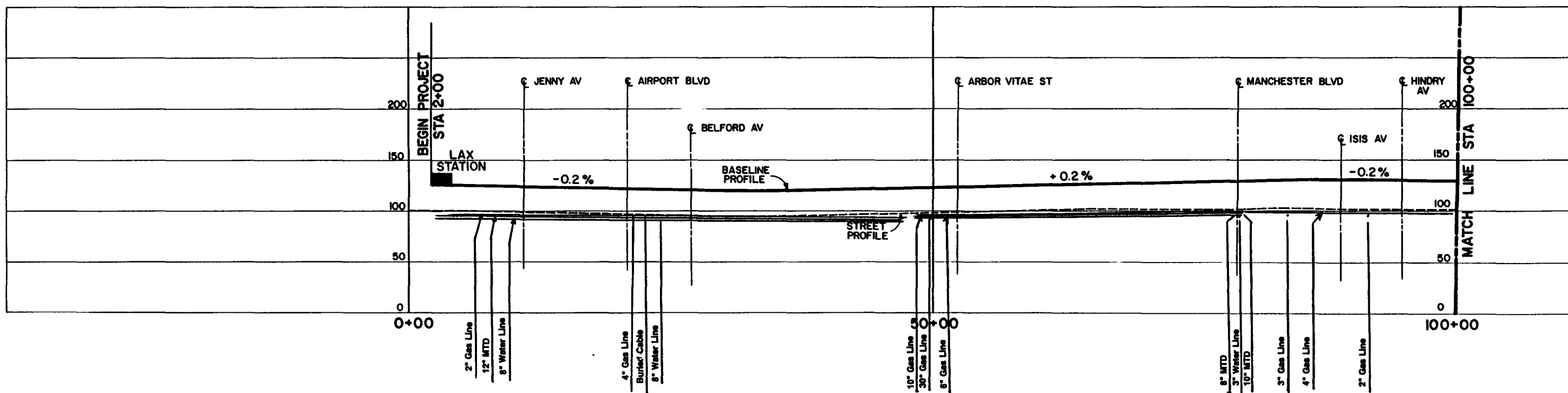
**UTILITY CROSSINGS**

**BASELINE ALIGNMENT**

SHEET NO.



NOTE:  
ELEVATION UNKNOWN  
FOR OVERHEAD LINES



**M** LOS ANGELES COUNTY TRANSPORTATION COMMISSION  
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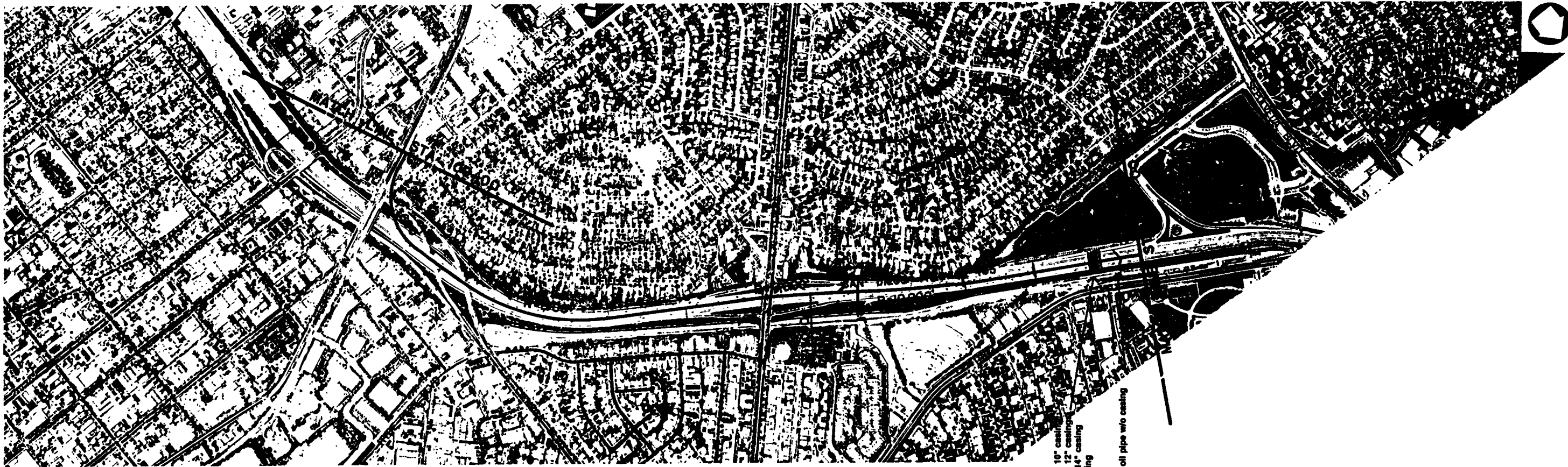
Parsons  
Brinckerhoff  
Quade &  
Douglas, Inc.

**C**  
CORDOBA CORPORATION

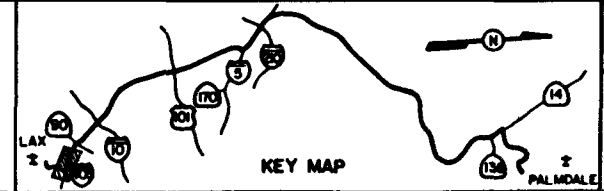
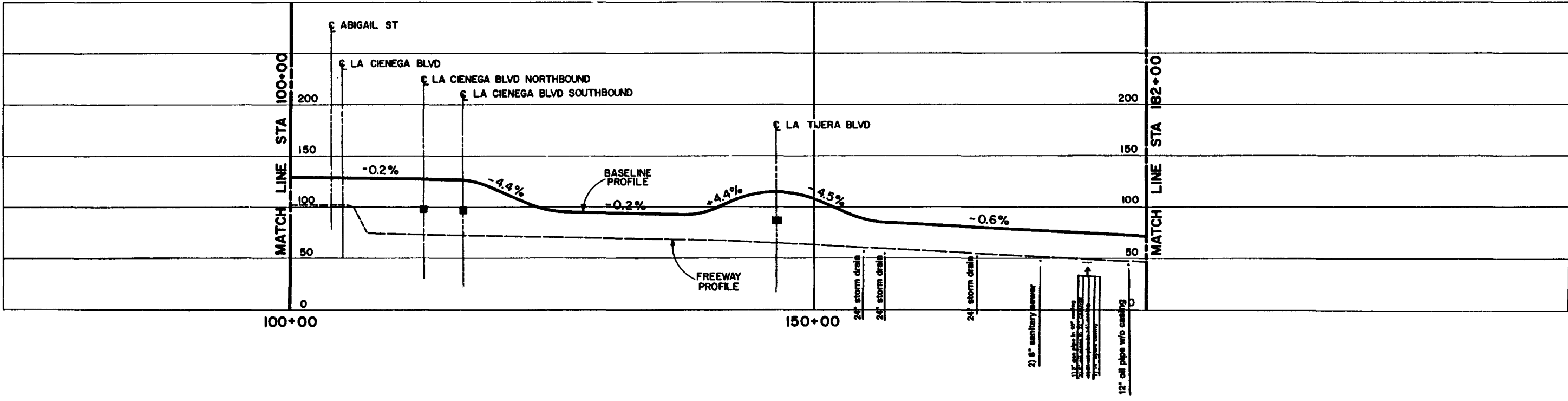
**UTILITY CROSSINGS**

BASELINE ALIGNMENT  
STA 2+00 TO STA 100+00  
PLAN & PROFILE

**1**  
SHEET NO.



- 1) 3" gas pipe in 10" casing
  - 2) 6" oil pipe in 12" casing
  - 1) 8" oil pipe in 14" casing
  - 1) 14" spare casing
- 12" oil pipe w/o casing



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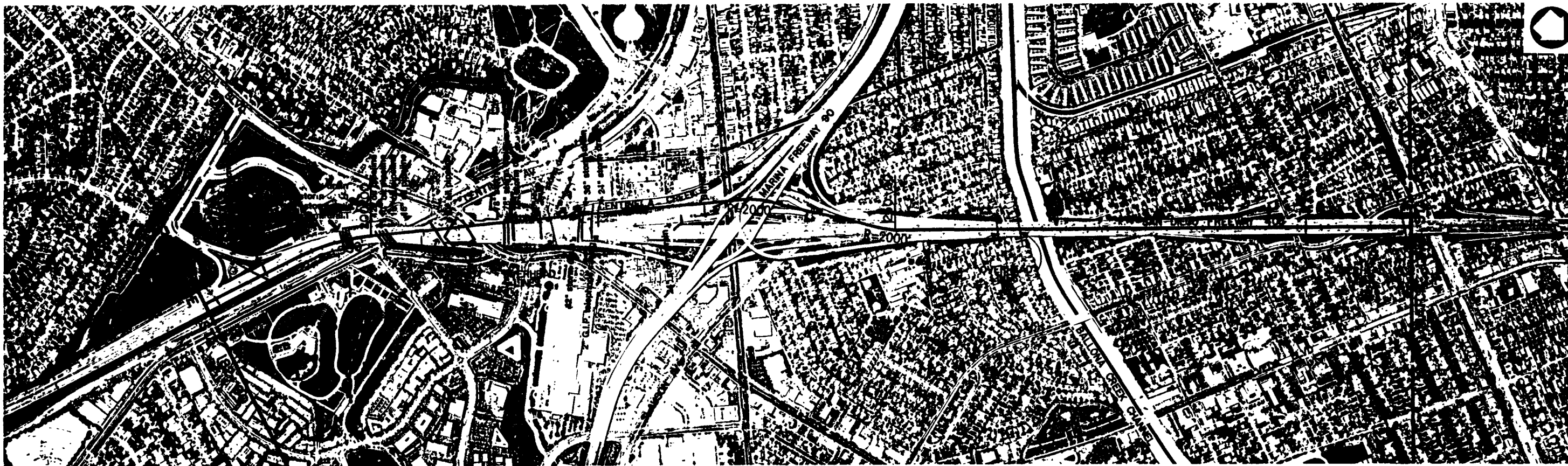
*Parsons  
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**C** CORDOBA CORPORATION

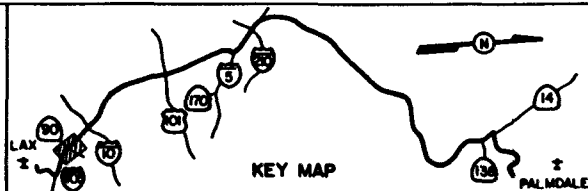
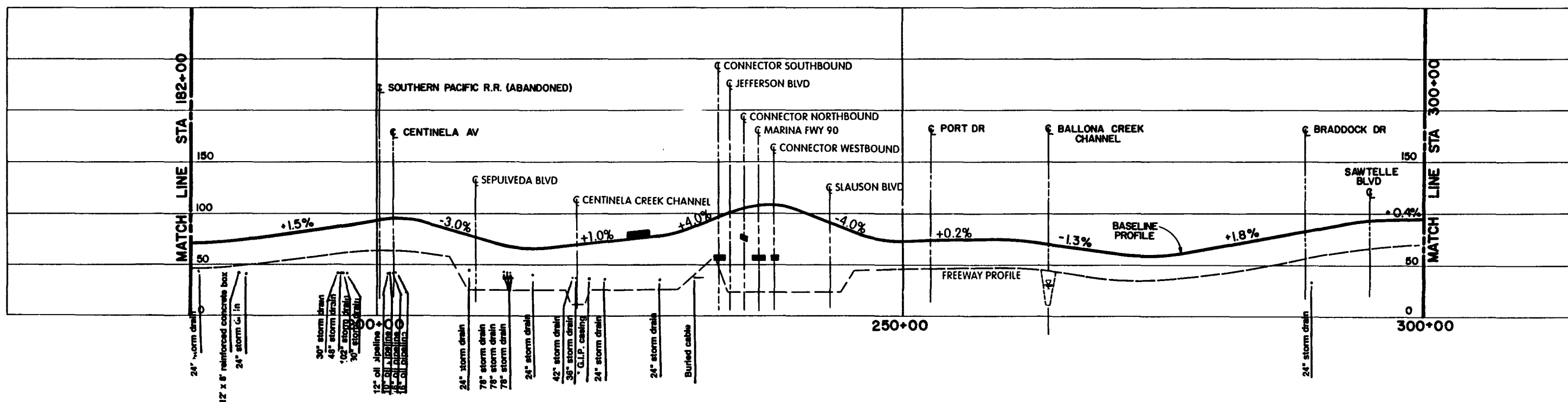
**UTILITY CROSSINGS**

**BASELINE ALIGNMENT  
 STA 100+00 TO STA 182+00  
 PLAN & PROFILE**

**1A**  
 SHEET NO.



NOTE:  
ELEVATION UNKNOWN  
FOR OVERHEAD LINES



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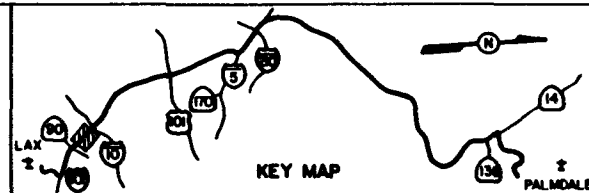
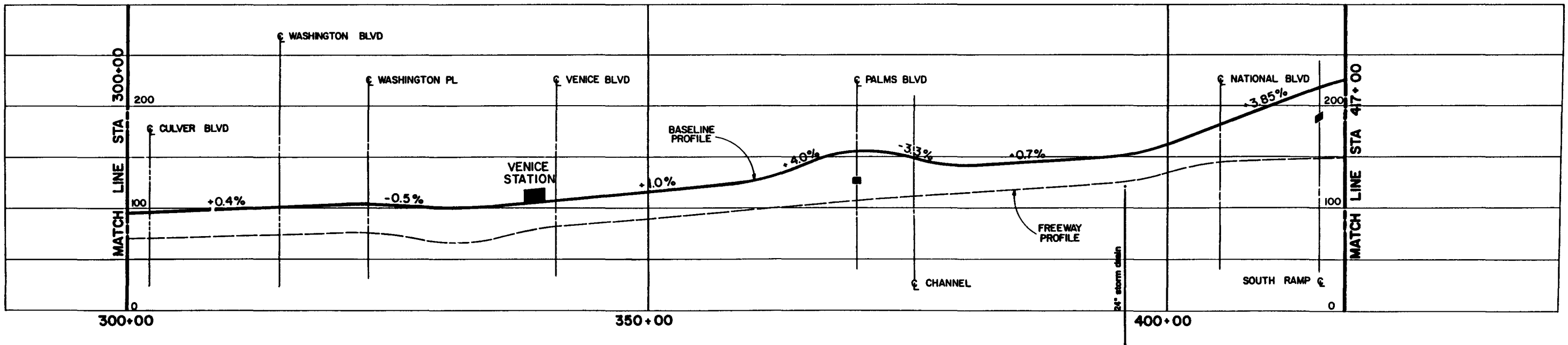
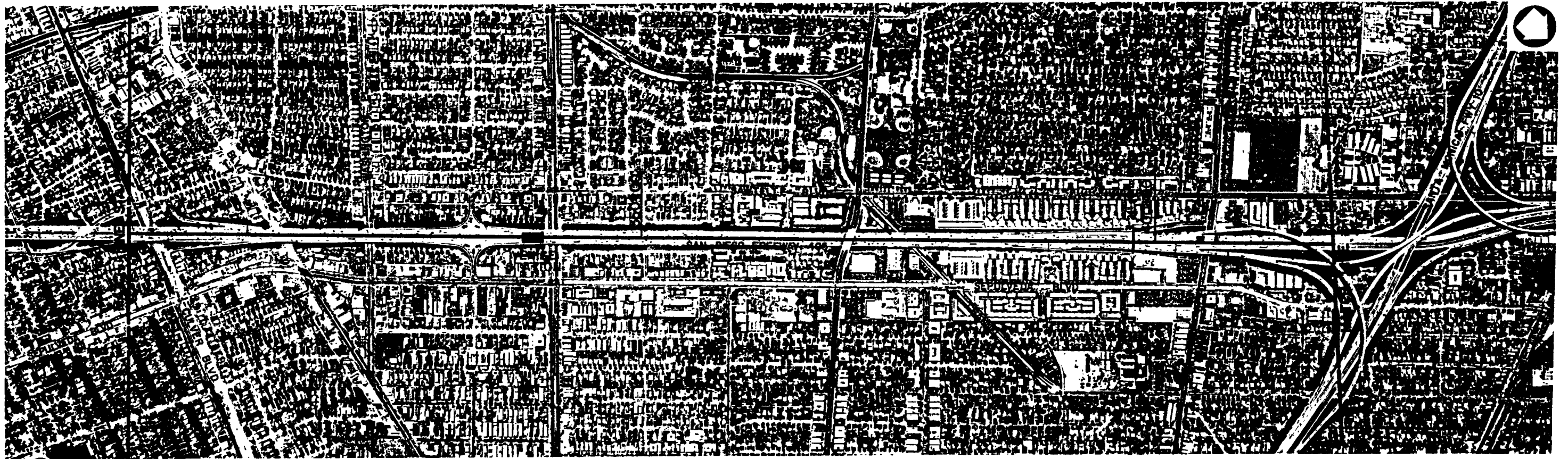
**C**  
CORDOBA CORPORATION

**UTILITY CROSSINGS**

**BASELINE ALIGNMENT**  
STA 182+00 TO STA 300+00  
PLAN & PROFILE

**2**  
SHEET NO.





**M** LOS ANGELES COUNTY TRANSPORTATION COMMISSION  
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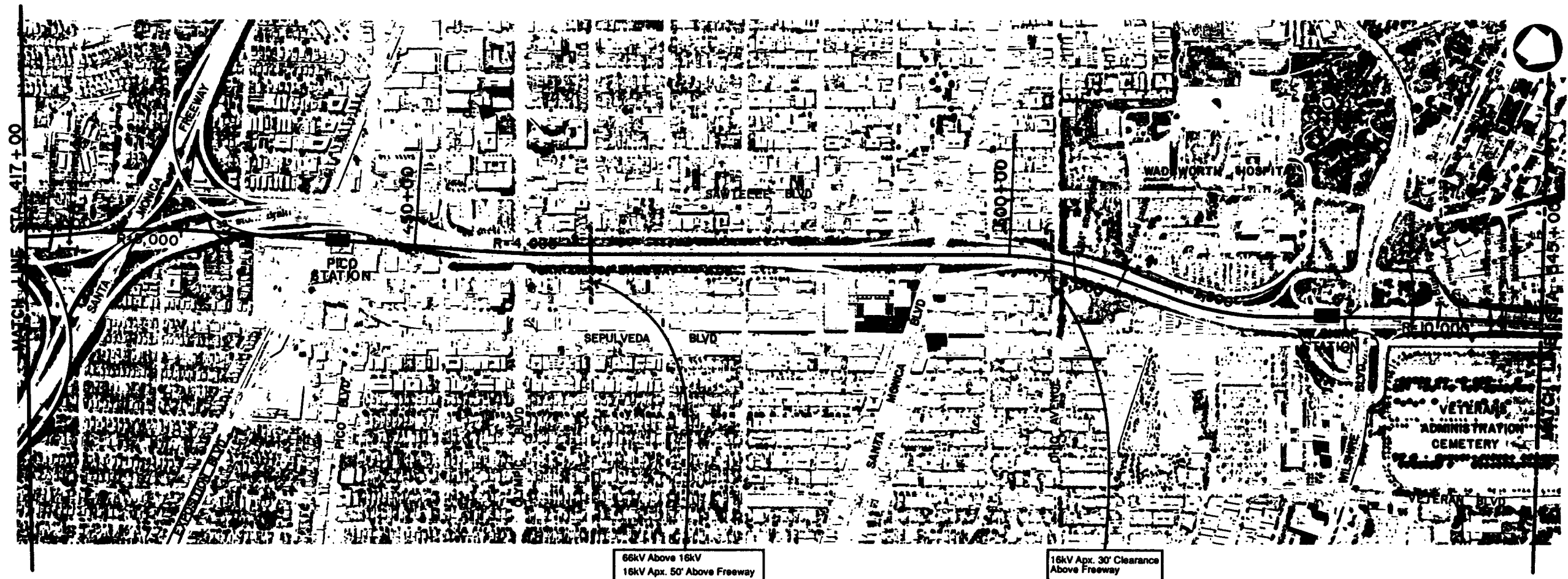
**Parsons  
Brinckerhoff  
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Douglas, Inc.**



**UTILITY CROSSINGS**

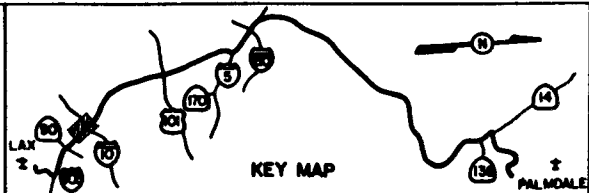
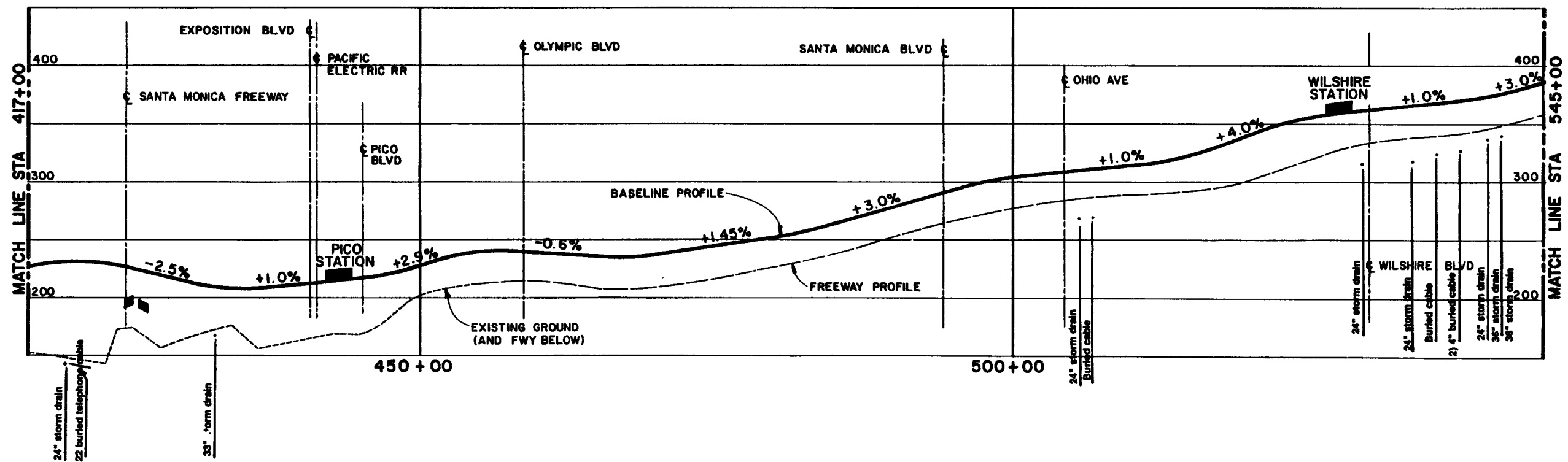
**BASELINE ALIGNMENT  
STA 300+00 TO STA 417+00  
PLAN & PROFILE**

**3**  
SHEET NO.



66kV Above 16kV  
16kV Apx. 50' Above Freeway

16kV Apx. 30' Clearance  
Above Freeway



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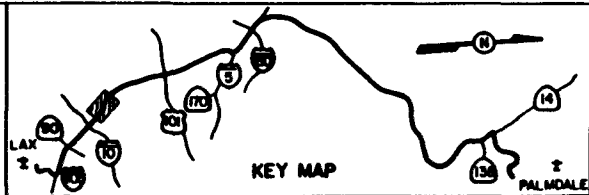
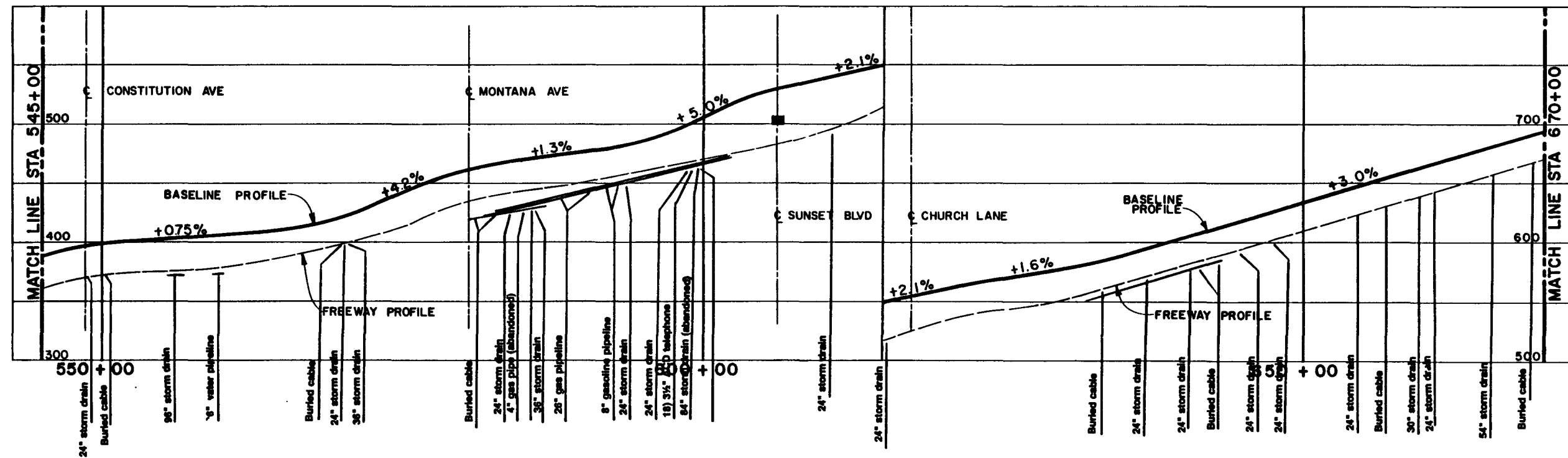
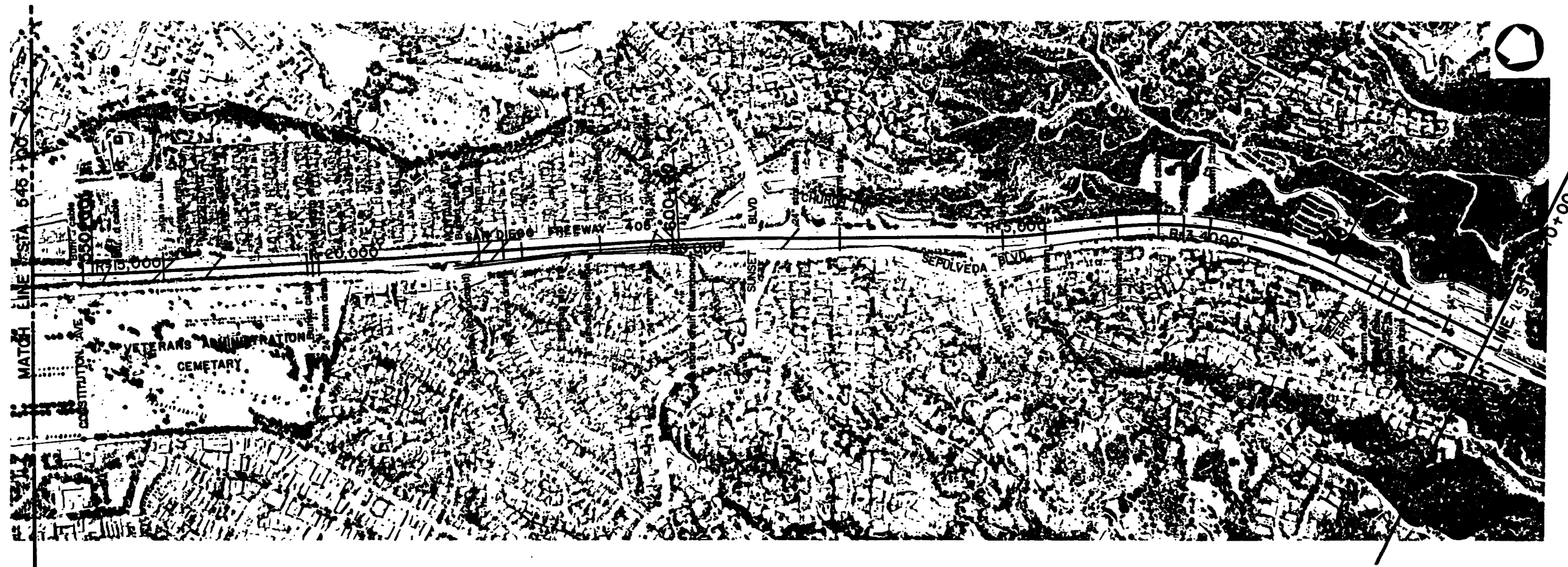
**C**  
CORDOBA CORPORATION

**UTILITY CROSSINGS**

**BASELINE ALIGNMENT**  
STA 417+00 TO STA 545+00  
PLAN & PROFILE

**4**  
SHEET NO.





**M** LOS ANGELES COUNTY TRANSPORTATION COMMISSION  
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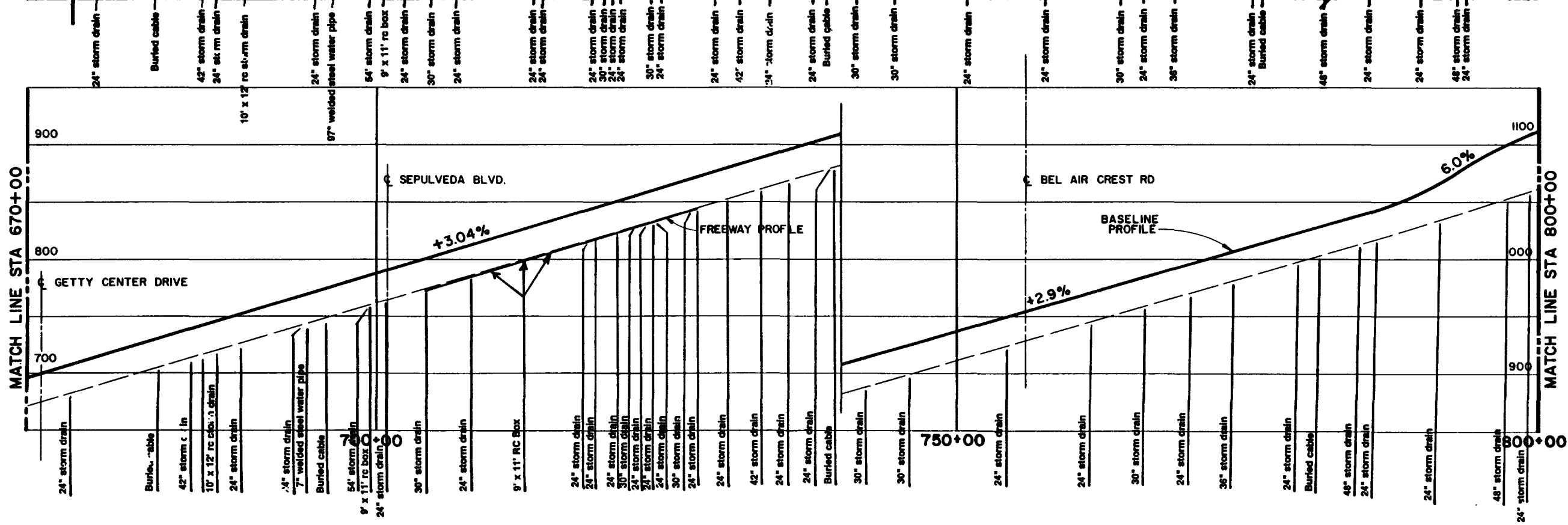
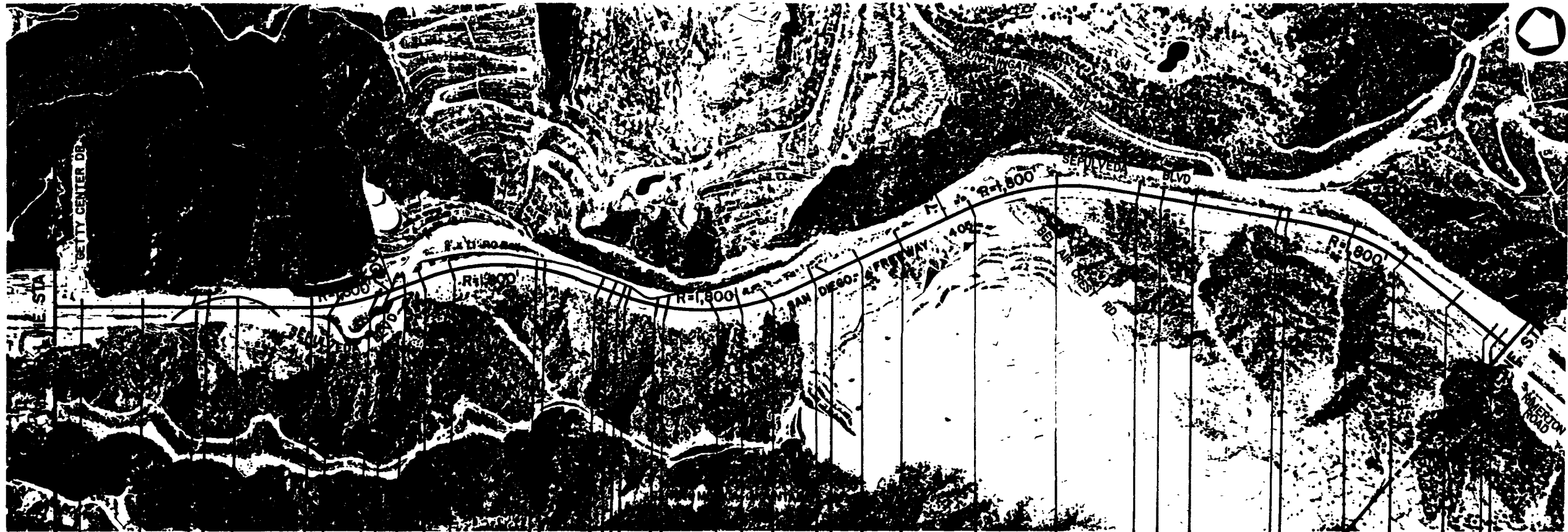
*Parsons  
 Brinckerhoff  
 Quade &  
 Douglas, Inc.*

**C** CORDOBA CORPORATION

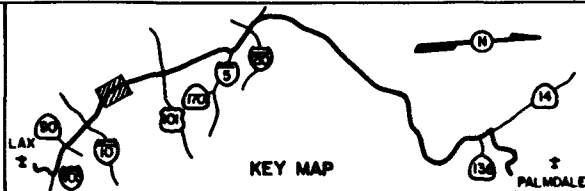
**UTILITY CROSSINGS**

**BASELINE ALIGNMENT  
 STA 545+00 TO STA 670+00  
 PLAN & PROFILE**

**5**  
 SHEET NO.



GRAPHIC SCALE



**M** LOS ANGELES COUNTY TRANSPORTATION COMMISSION  
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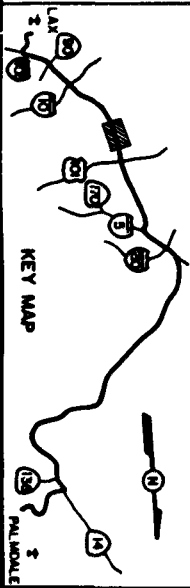
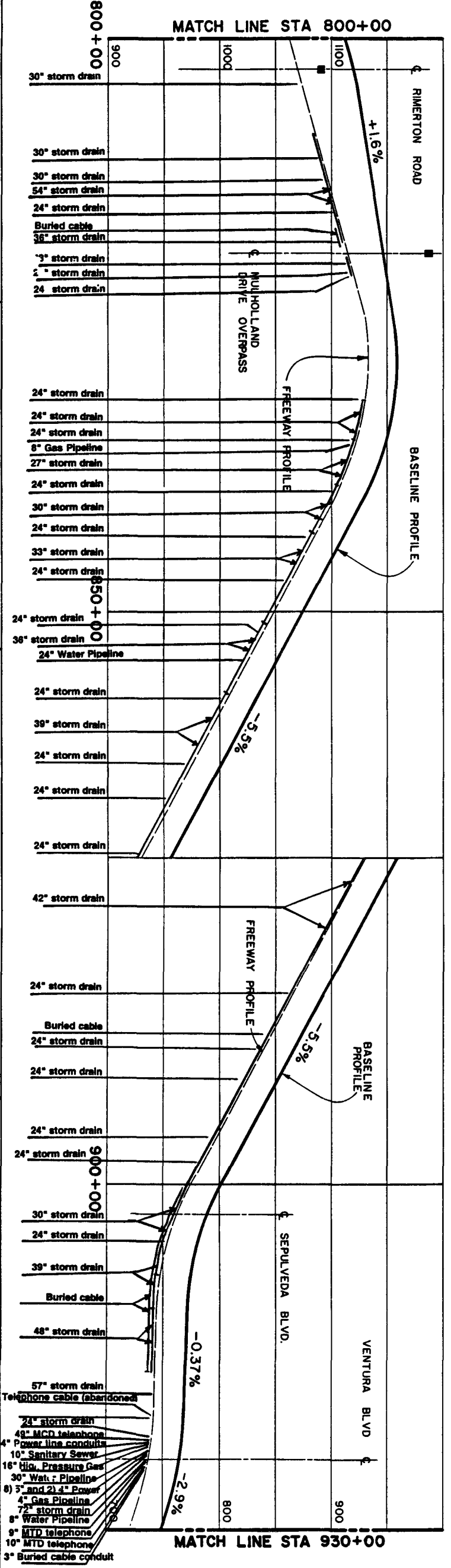
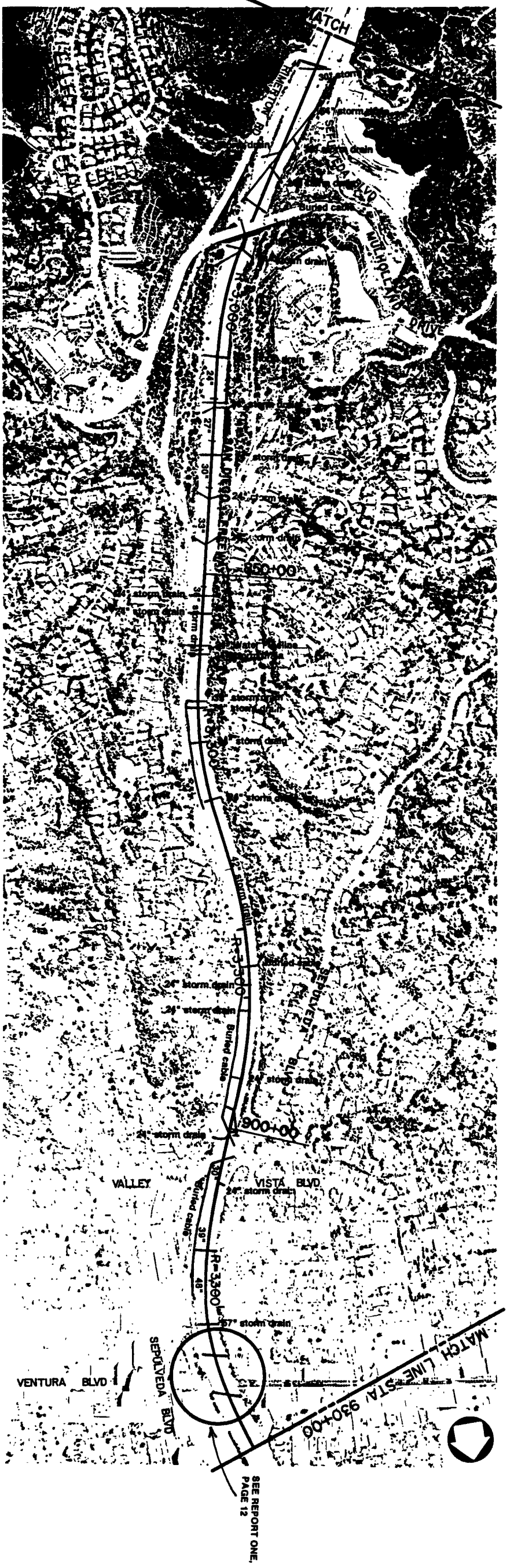
Parsons  
 Brinckerhoff  
 Quade &  
 Douglas, Inc.

**C** CORDOBA CORPORATION

**UTILITY CROSSINGS**

BASELINE ALIGNMENT  
 STA 670+00 TO STA 800+00  
 PLAN & PROFILE

**6**  
 SHEET NO.



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 Quade &  
 Douglas, Inc.

**C** CONDOBA CORPORATION

**UTILITY CROSSINGS**

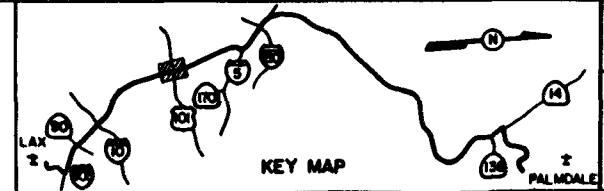
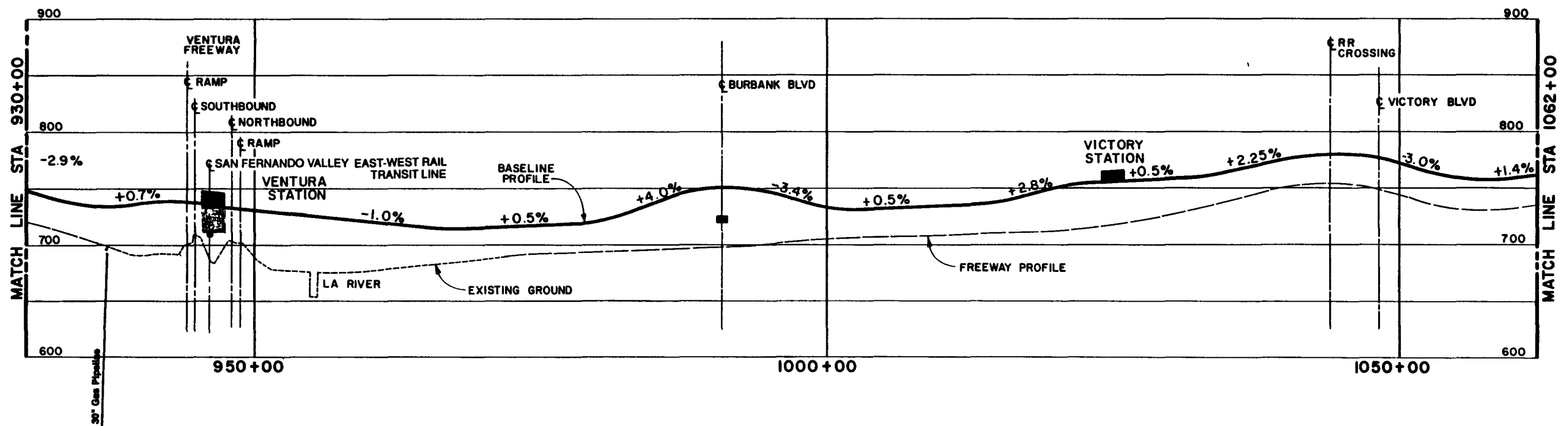
BASELINE ALIGNMENT  
 STA 800+00 TO STA 930+00  
 PLAN & PROFILE

**7**  
 SHEET NO.

SEE REPORT ONE,  
 PAGE 12



SAN FERNANDO VALLEY EAST-WEST RAIL TRANSIT LINE (PROPOSED)



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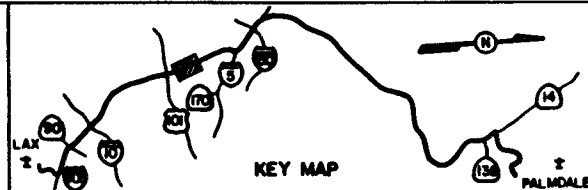
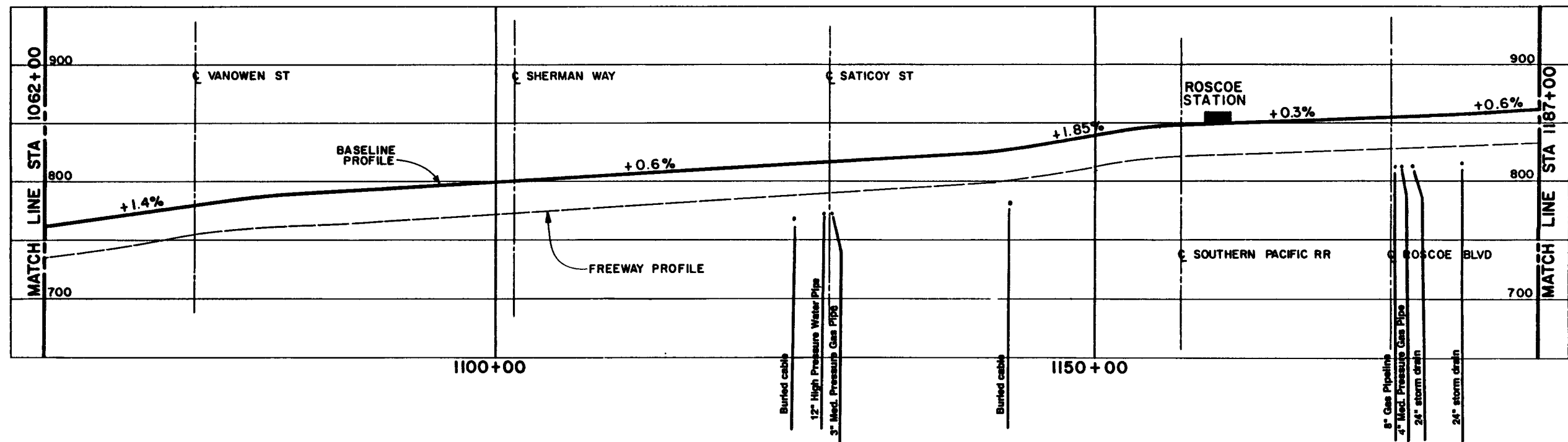
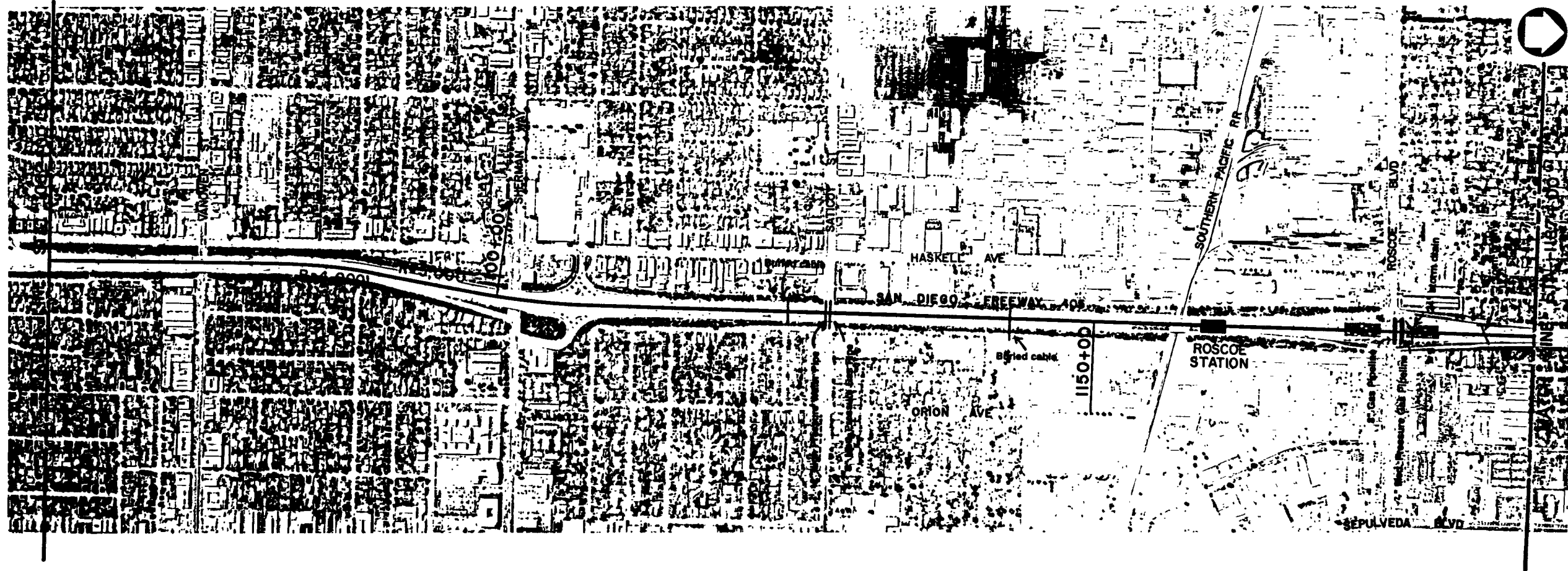
**C** CORDOBA CORPORATION

**UTILITY CROSSINGS**

BASELINE ALIGNMENT  
 STA 930+00 TO STA 1062+00  
 PLAN & PROFILE

**8**  
 SHEET NO.





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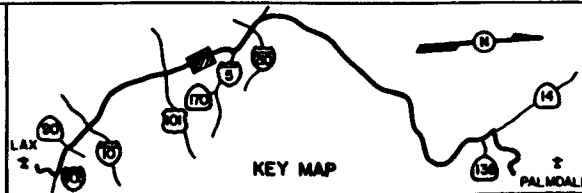
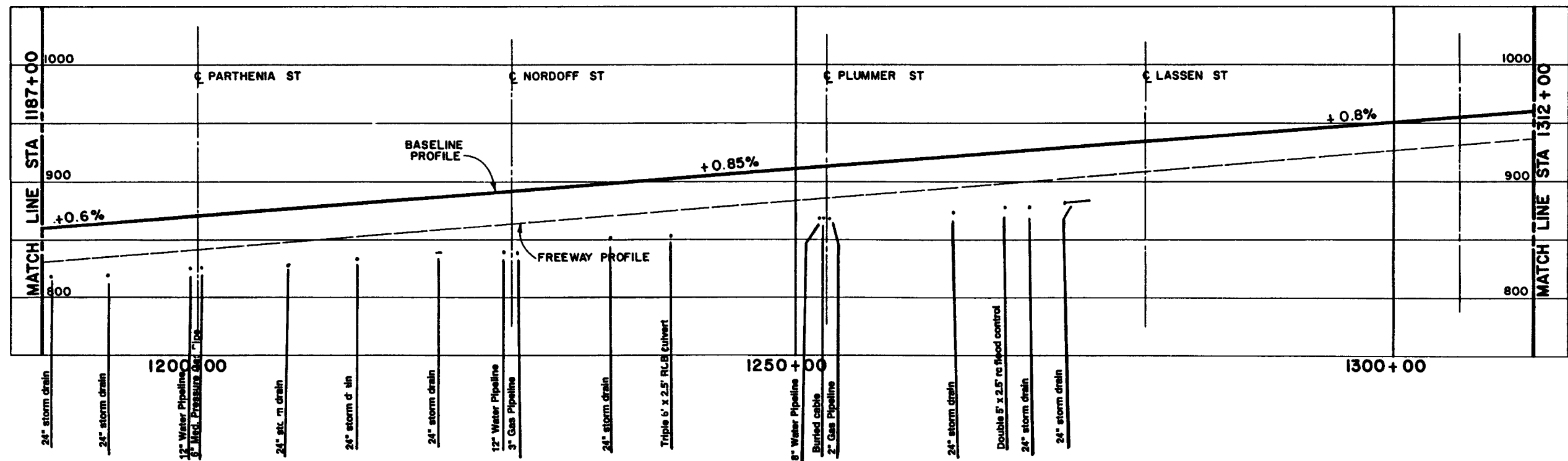
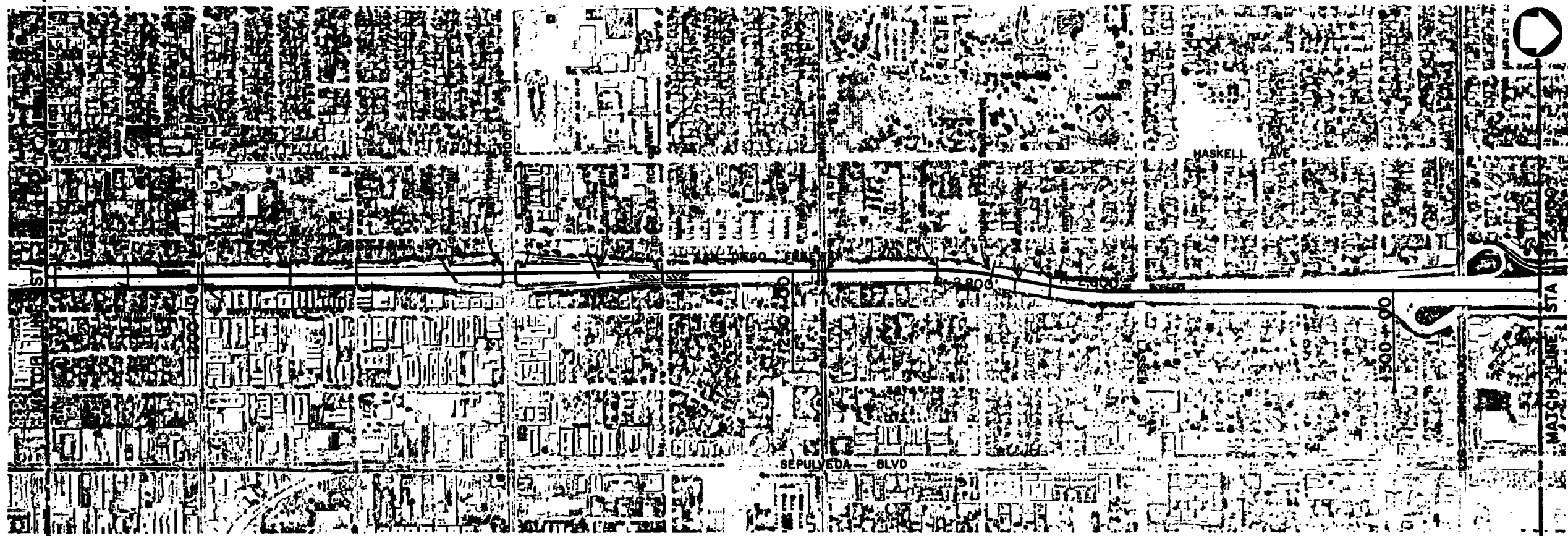
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**C** CORDOBA CORPORATION

**UTILITY CROSSINGS**

BASELINE ALIGNMENT  
 STA 1062+00 TO STA 1187+00  
 PLAN & PROFILE





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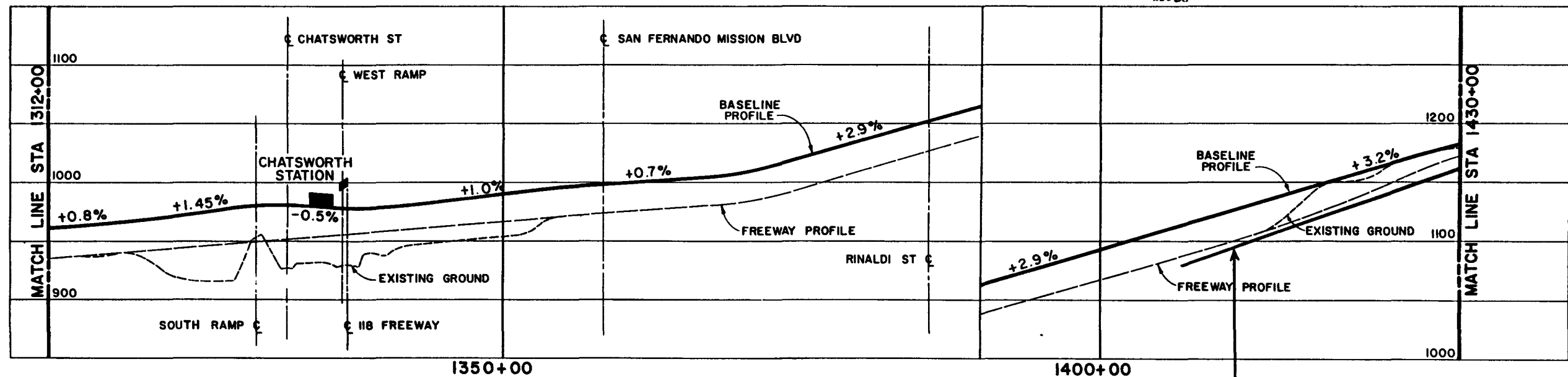
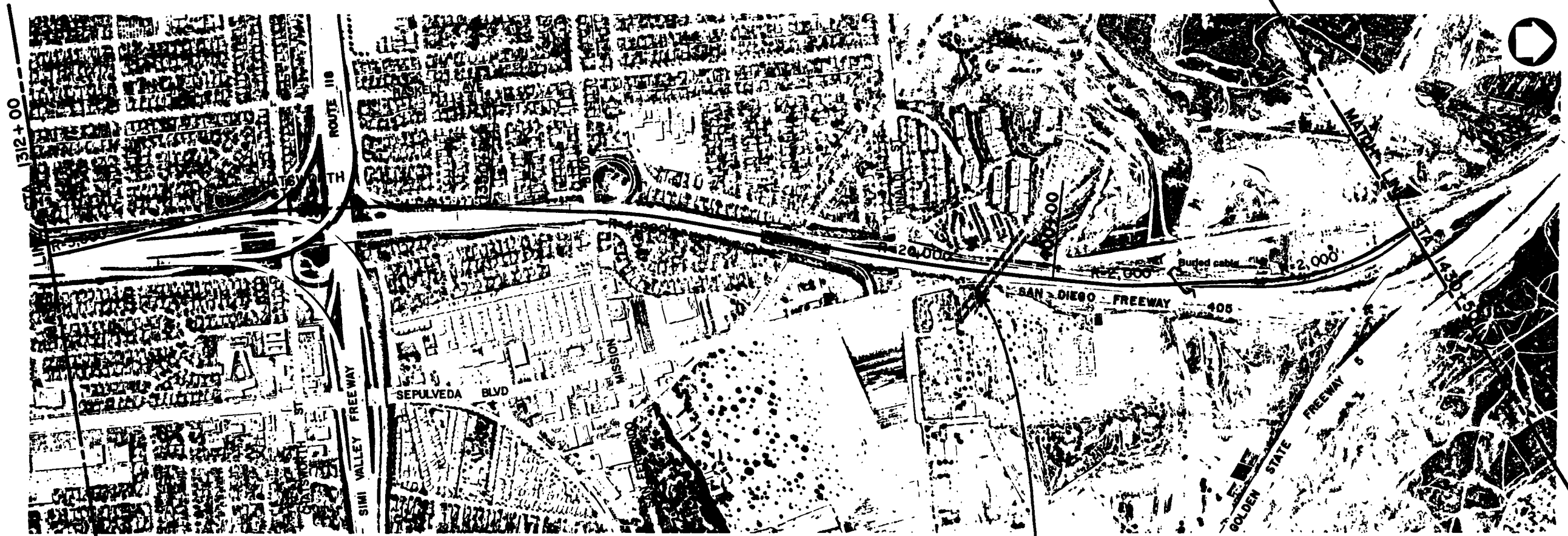
**Parsons  
Brinckerhoff  
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Douglas, Inc.**



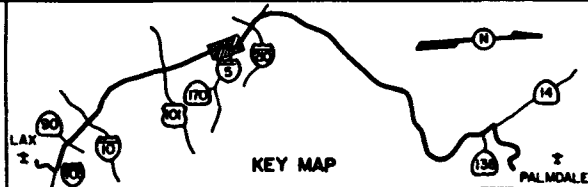
**UTILITY CROSSINGS**

**BASELINE ALIGNMENT  
STA 1187+00 TO STA 1312+00  
PLAN & PROFILE**

**10**  
SHEET NO.



GRAPHIC SCALE



**M** LOS ANGELES COUNTY TRANSPORTATION COMMISSION  
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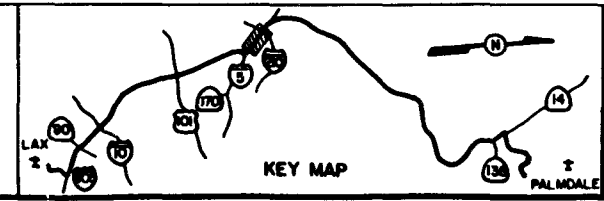
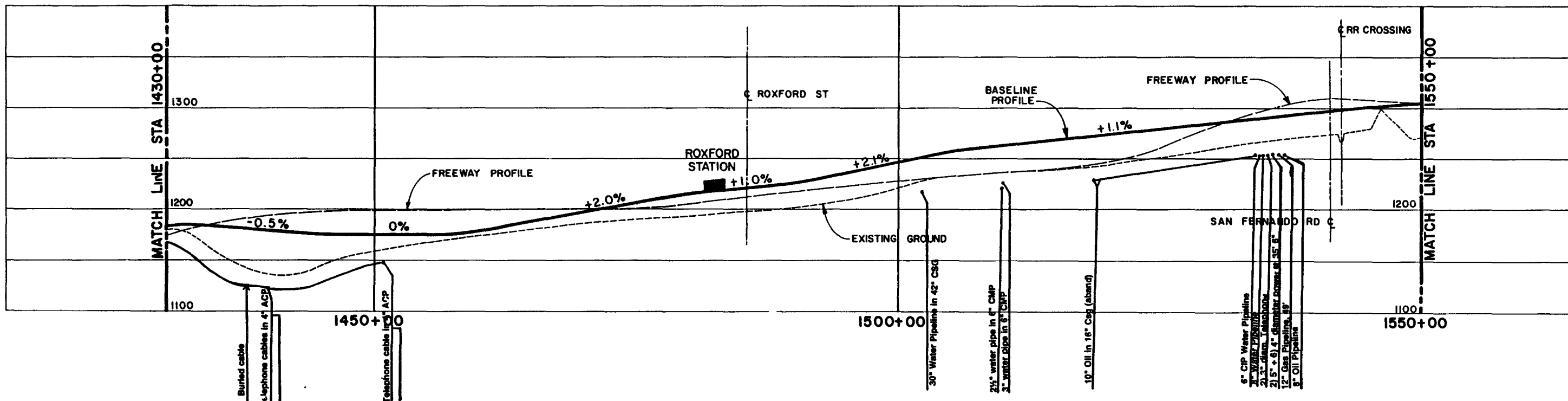
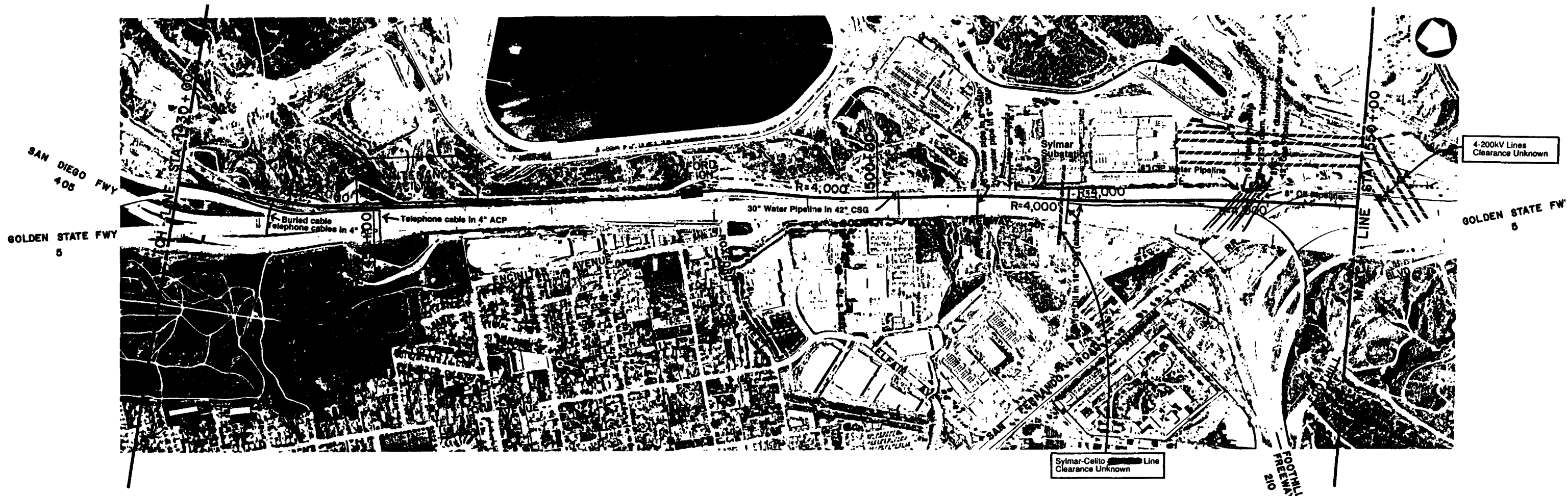
*Parsons  
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Quade &  
Douglas, Inc.*

**C**  
CORDOBA CORPORATION

**UTILITY CROSSINGS**

**BASELINE ALIGNMENT  
STA 1312+00 TO STA 1430+00  
PLAN & PROFILE**

**11**  
SHEET NO.



**M** LOS ANGELES COUNTY TRANSPORTATION COMMISSION  
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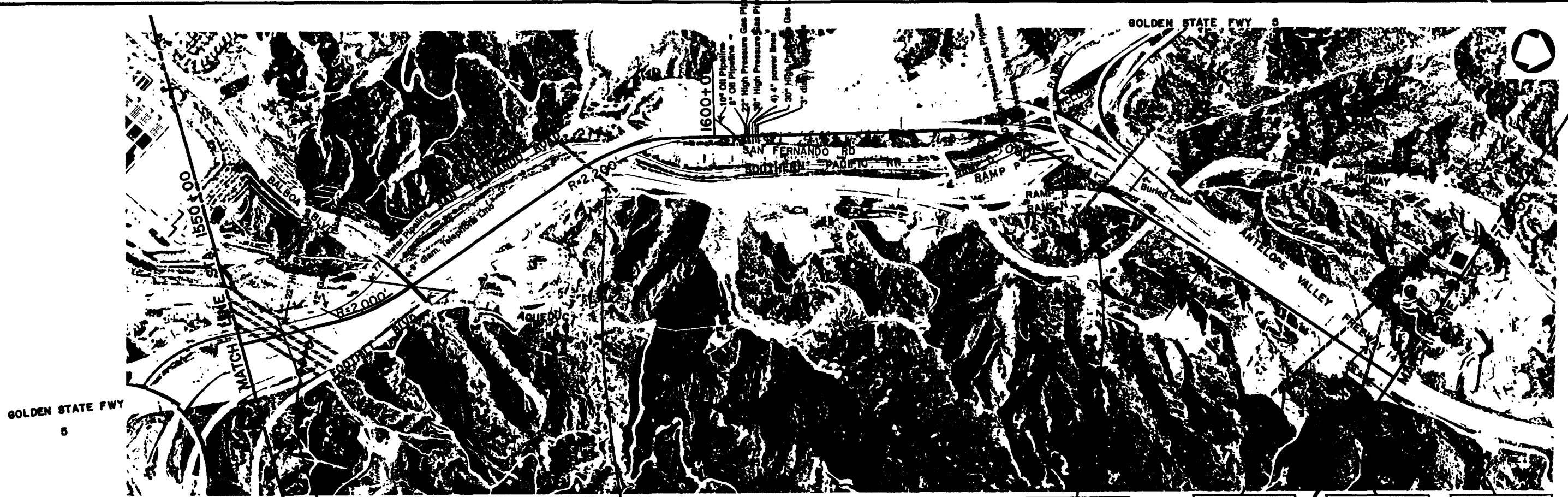
**Parsons Brinckerhoff Quade & Douglas, Inc.**

**C** CORDOBA CORPORATION

**UTILITY CROSSINGS**

**BASELINE ALIGNMENT**  
 STA 1430+00 TO STA 1550+00  
 PLAN & PROFILE

**12**  
 SHEET NO.



GOLDEN STATE FWY 5

FOOTHILL FREEWAY 210

4-200kV Lines  
Clearance Unknown

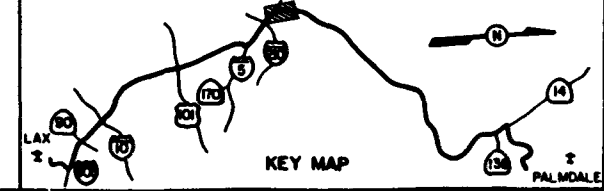
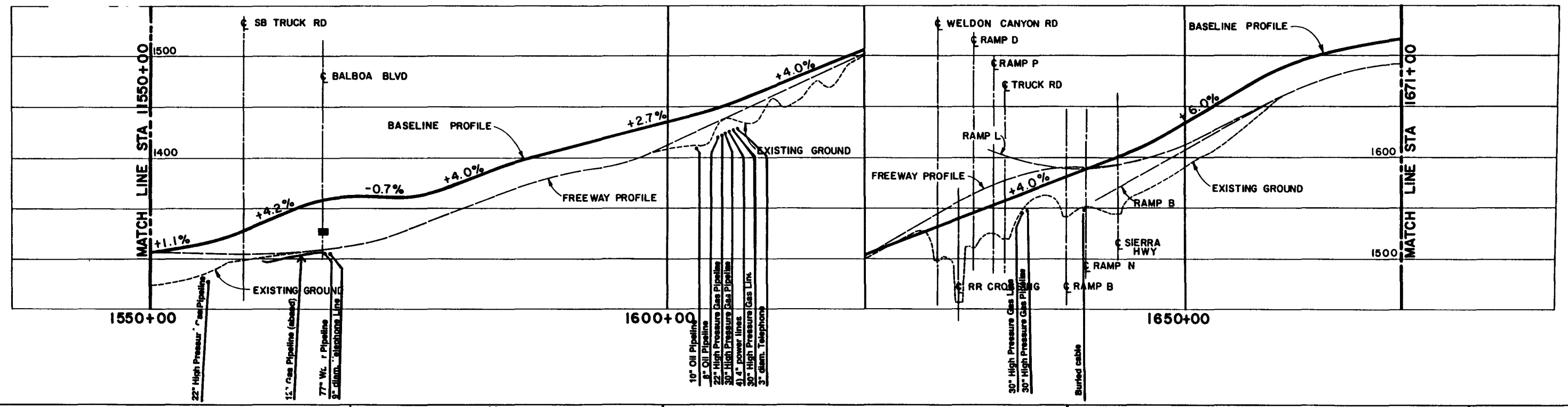
2-66kV Apx. 80' Clearance  
Telephone Apx. 60' Clearance

2-66kV  
N/S Apx. 150' Clearance  
S/S Apx. 80' Clearance

3-220kV  
Apx. 24' Clearance

Telephone  
Apx. 24' Clearance

16kV  
Apx. 28' Clearance



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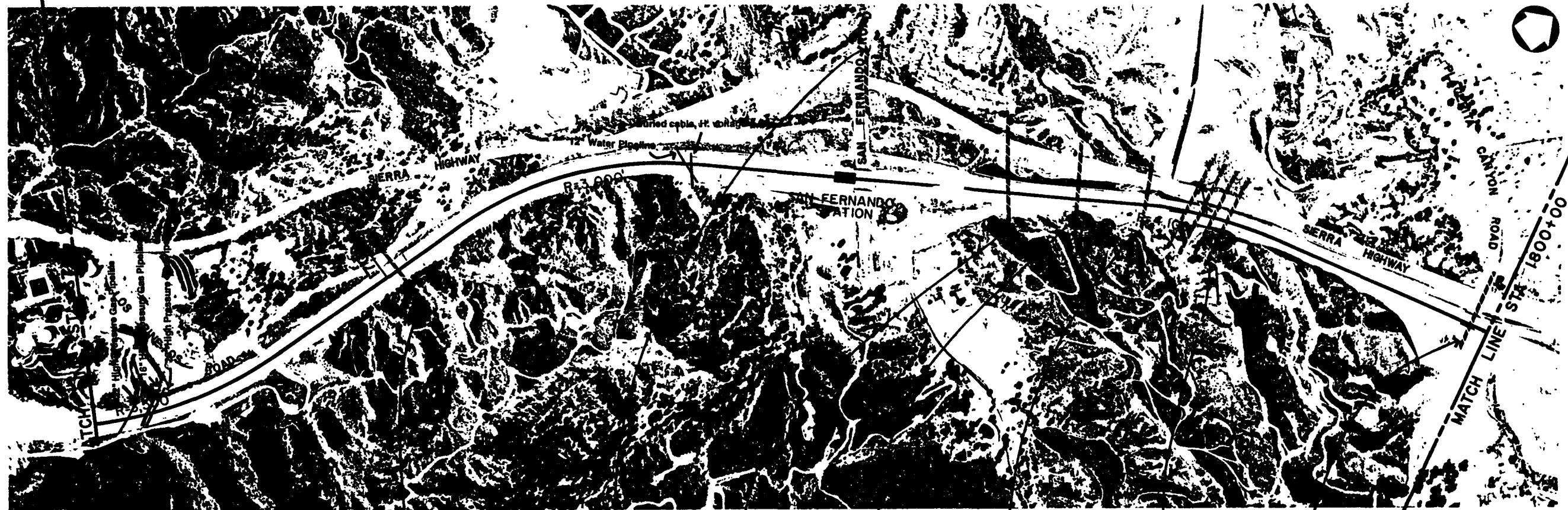
**C** CORDOBA CORPORATION

**UTILITY CROSSINGS**

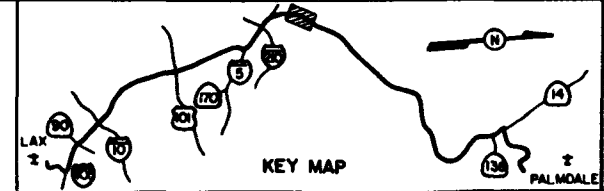
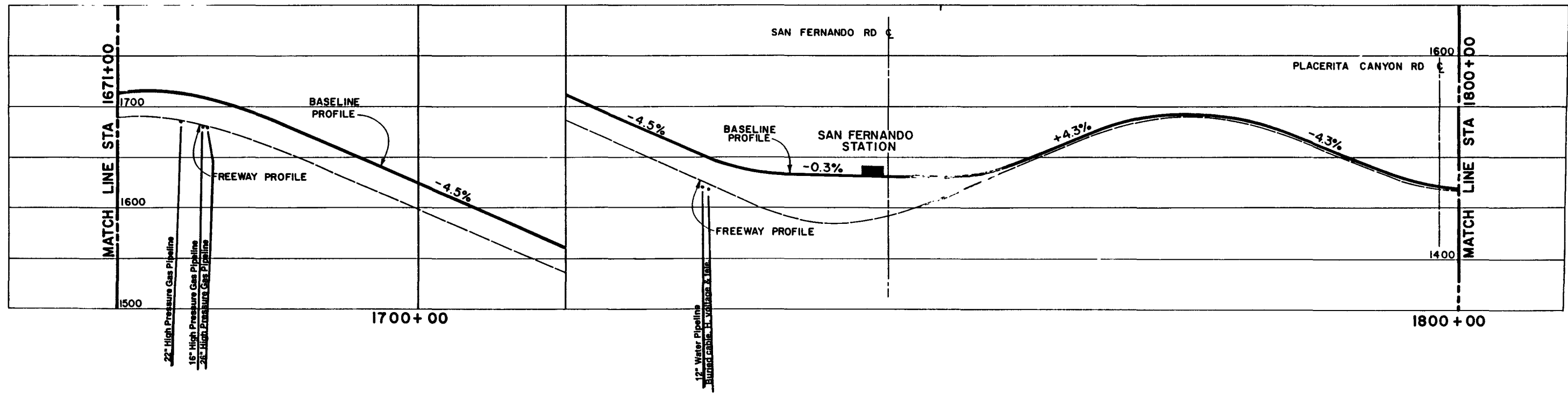
**BASLINE ALIGNMENT**  
STA 1550+00 TO STA 1671+00  
PLAN & PROFILE

**13**  
SHEET NO.





|                            |                           |                            |                                 |                            |  |                             |
|----------------------------|---------------------------|----------------------------|---------------------------------|----------------------------|--|-----------------------------|
| 16kV<br>Apx. 30' Clearance | 16kV<br>Clearance Unknown | 16kV<br>Apx. 55' Clearance | Telephone<br>Apx. 30' Clearance | 16kV<br>Apx. 25' Clearance | Transmission Corridor Multi-Crossing<br>220kV & 750 DC Line<br>Clearance Unknown | 16 kV<br>Apx. 25' Clearance |
|----------------------------|---------------------------|----------------------------|---------------------------------|----------------------------|--|-----------------------------|



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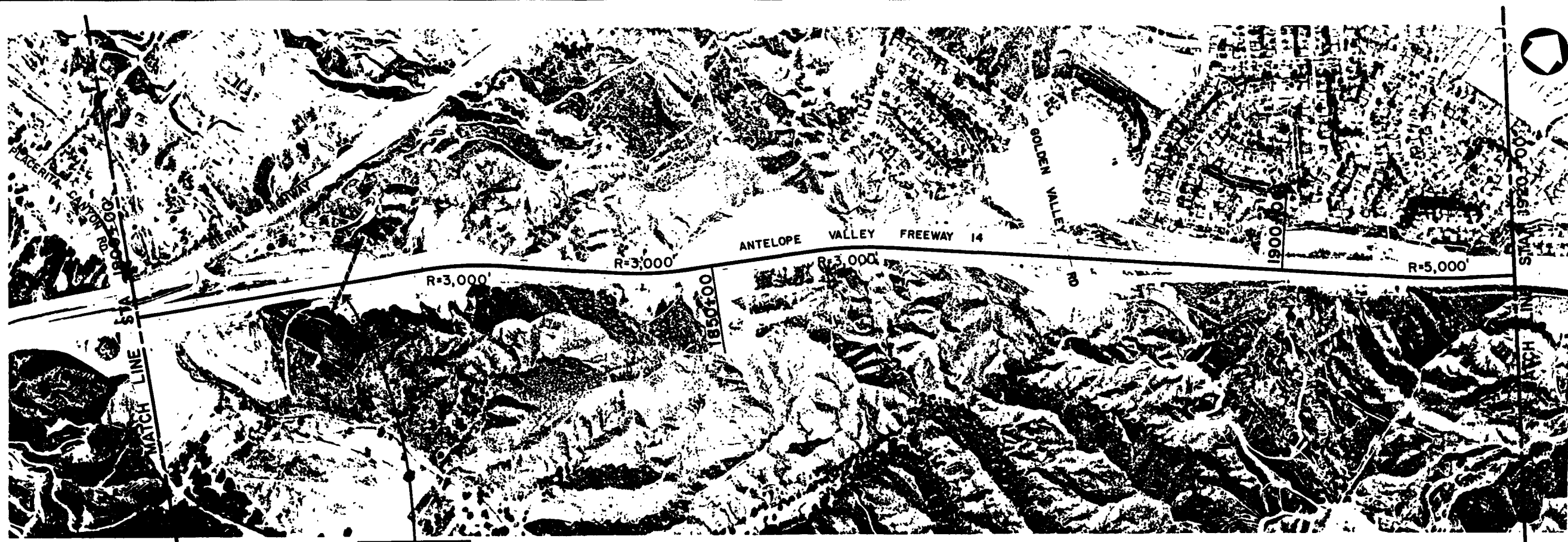
**C** CORDOBA CORPORATION

**UTILITY CROSSINGS**

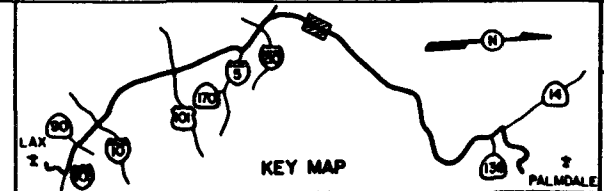
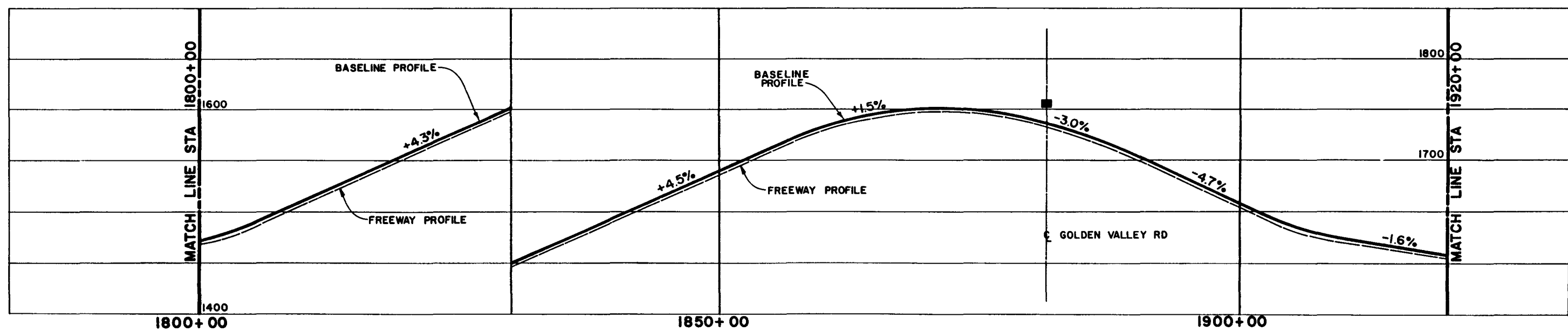
BASELINE ALIGNMENT  
STA 1671+00 TO STA 1800+00  
PLAN & PROFILE

**14**  
SHEET NO.





500kV  
Apr. 45' Clearance



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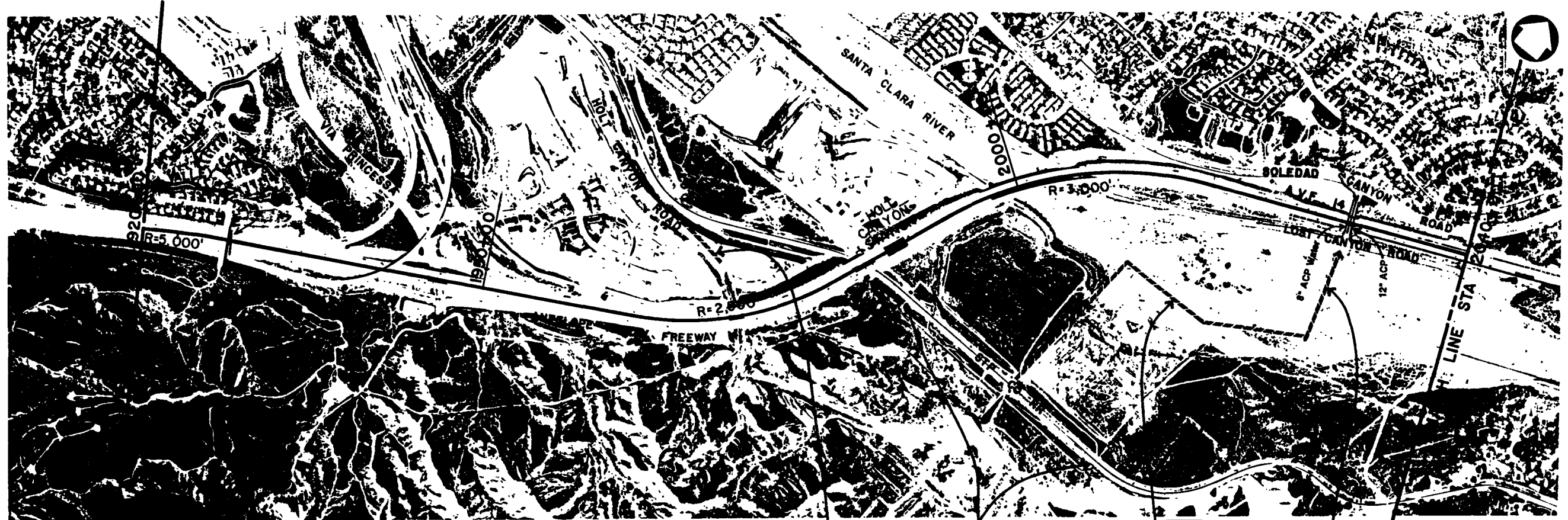
Parsons  
Brinckerhoff  
Quade &  
Douglas, Inc.

**C** CORDOBA CORPORATION

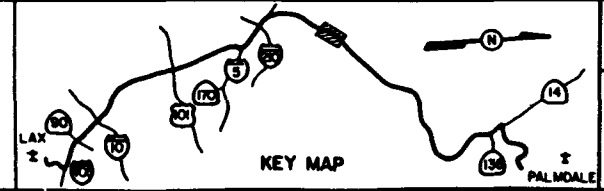
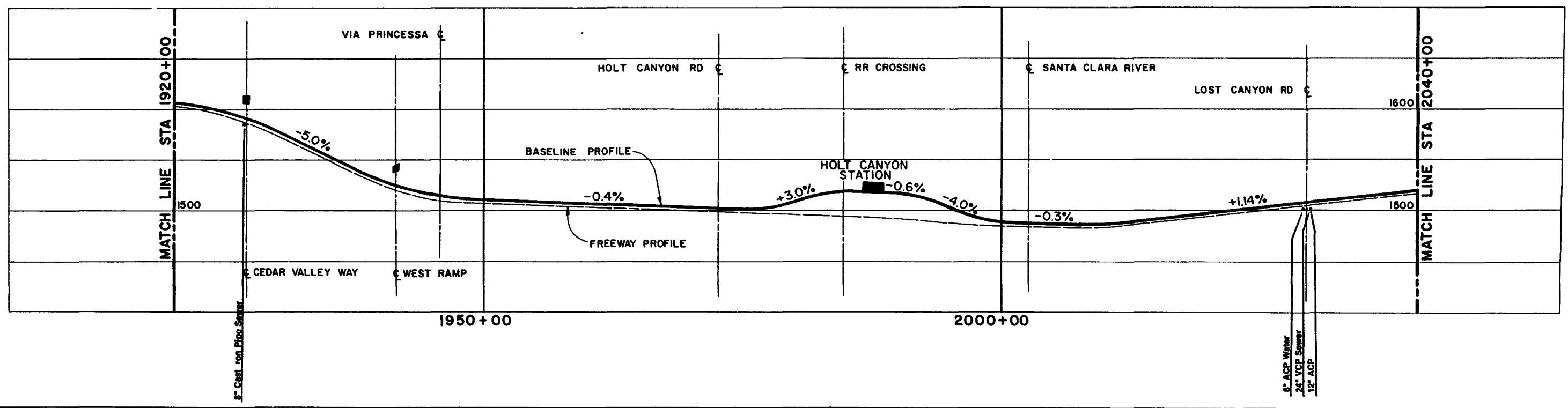
**UTILITY CROSSINGS**

BASELINE ALIGNMENT  
STA 1800+00 TO STA 1920+00  
PLAN & PROFILE

**15**  
SHEET NO.



UG Conduit      Humphrey's Station      16kV OH      UG 16kV



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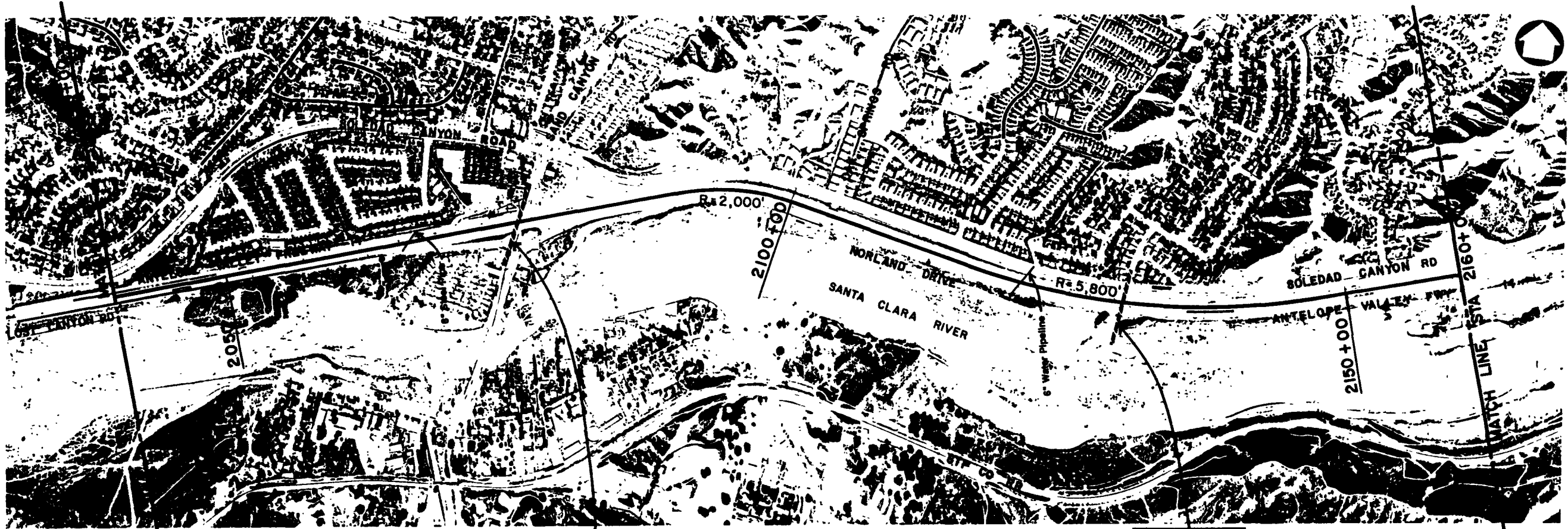
Parsons  
 Brinckerhoff  
 Quade &  
 Douglas, Inc.

**C** CORDOBA CORPORATION

**UTILITY CROSSINGS**

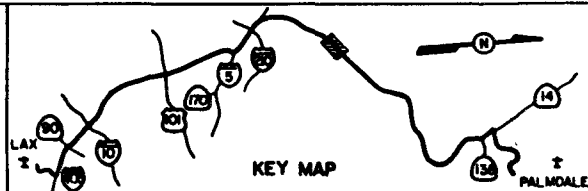
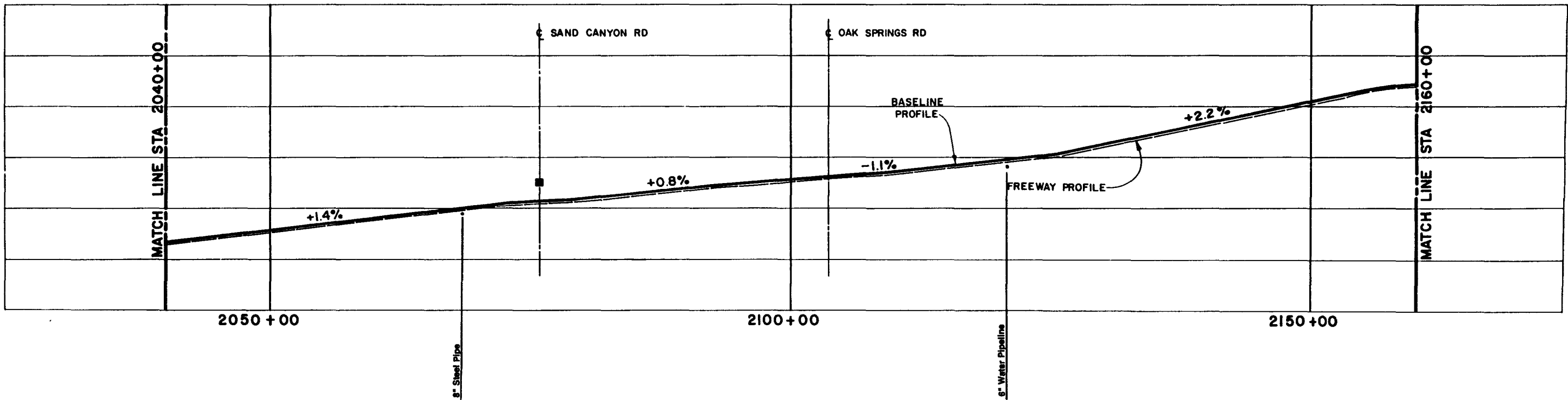
BASELINE ALIGNMENT  
 STA 1920+00 TO STA 2040+00  
 PLAN & PROFILE

**16**  
 SHEET NO.



16kV  
Apx. 60' Clearance

16kV  
Apx. 40' Clearance



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**C**  
CORDOBA CORPORATION

**UTILITY CROSSINGS**

BASELINE ALIGNMENT  
STA 2040+00 TO STA 2160+00  
PLAN & PROFILE

**17**  
SHEET NO.

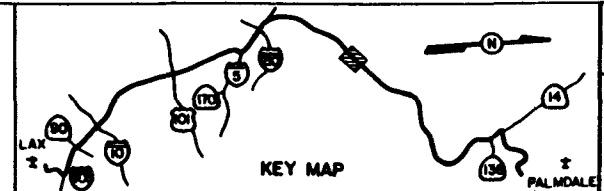
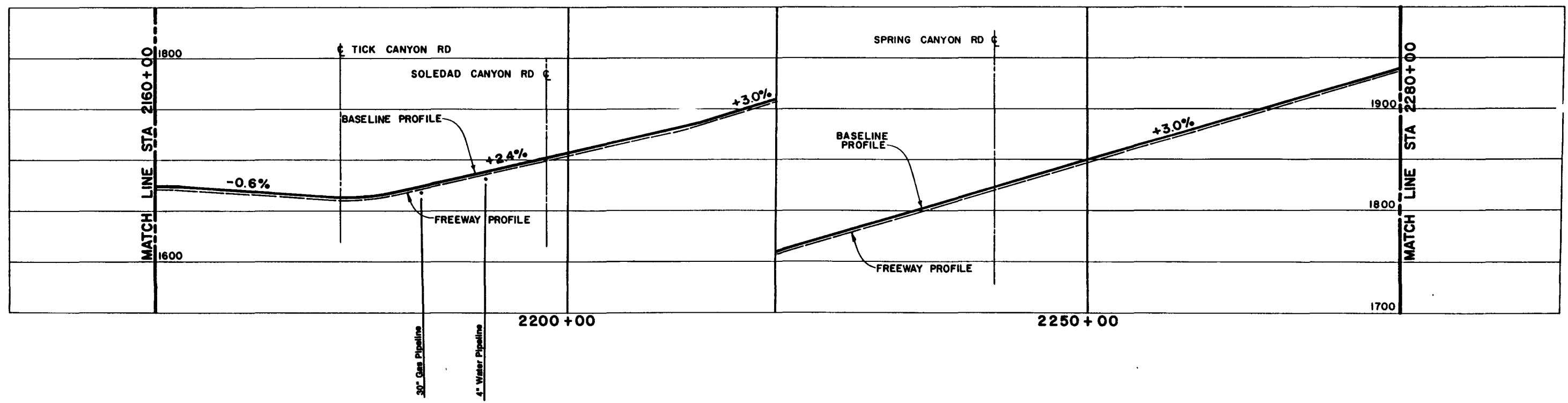


16kV  
Apx. 30' Clearance

16kV  
Apx. 45' Clearance

16kV  
Apx. 25' Clearance

16kV  
Apx. 40' Clearance



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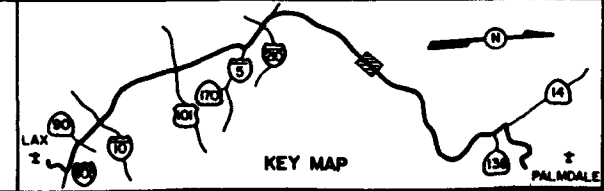
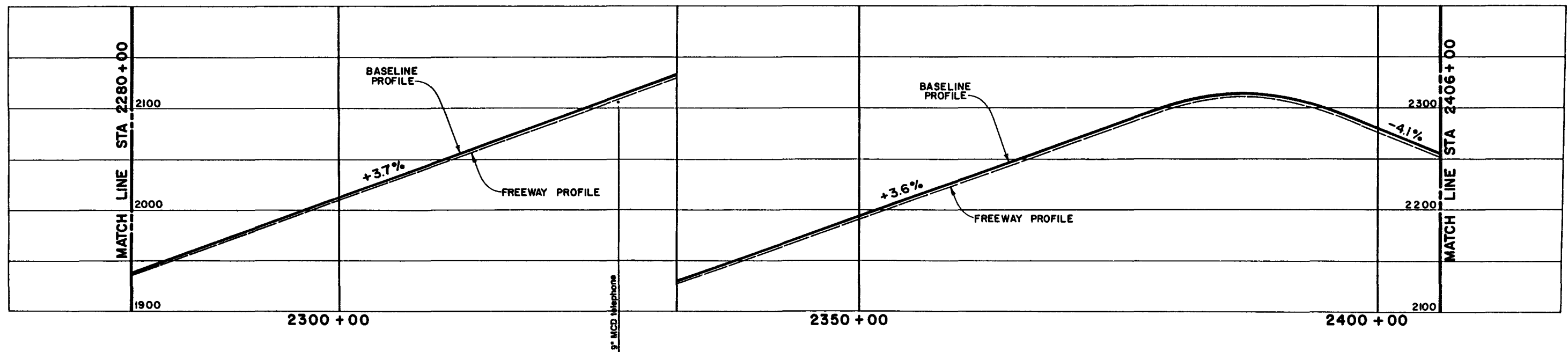
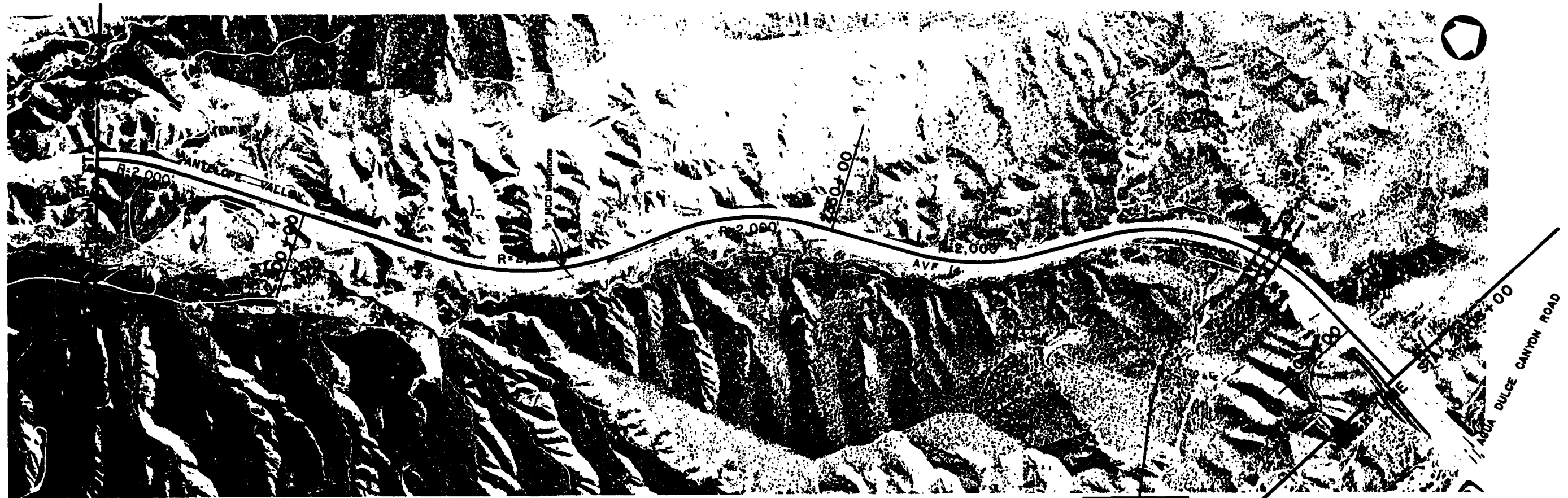
Parsons  
Brinckerhoff  
Quade &  
Douglas, Inc.

**C** CORDOBA CORPORATION

**UTILITY CROSSINGS**

**BASELINE ALIGNMENT**  
STA 2160+00 TO STA 2280+00  
PLAN & PROFILE

**18**  
SHEET NO.



**M** LOS ANGELES COUNTY TRANSPORTATION COMMISSION  
 LAX - Palmdale Advanced Technology Demonstration Project

Parsons  
 Brinckerhoff  
 Quade &  
 Douglas, Inc.

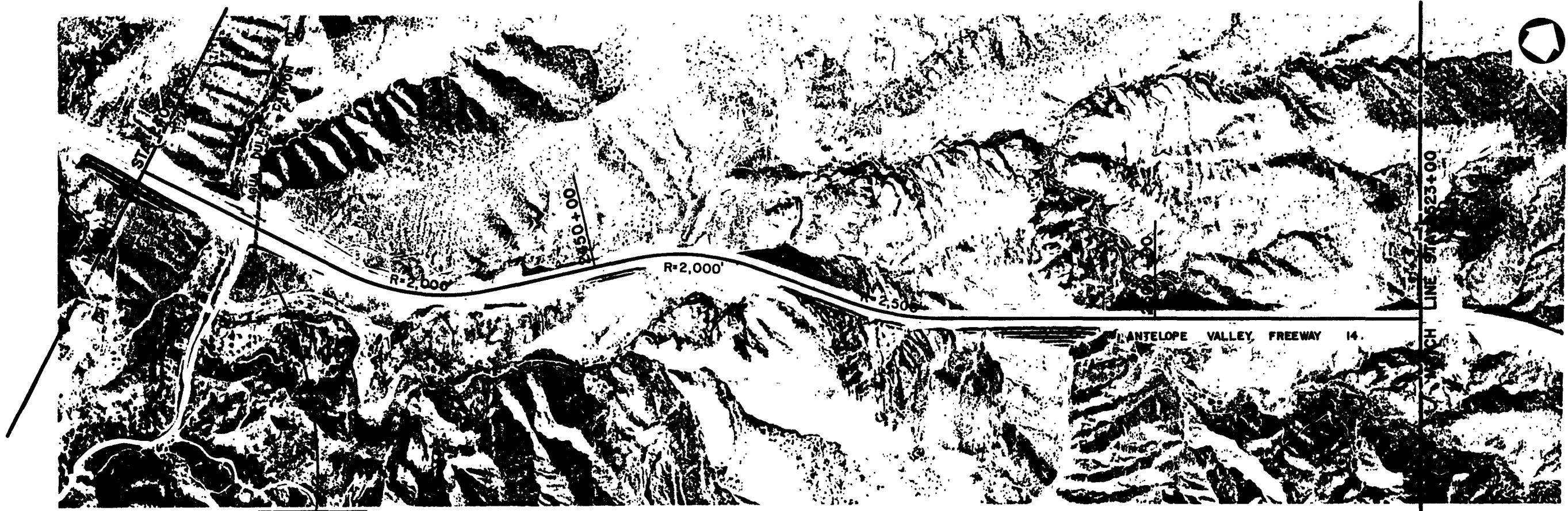
**C** CORDOBA CORPORATION

**UTILITY CROSSINGS**

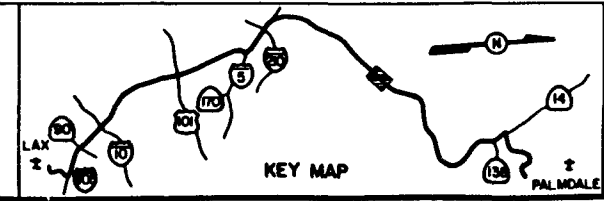
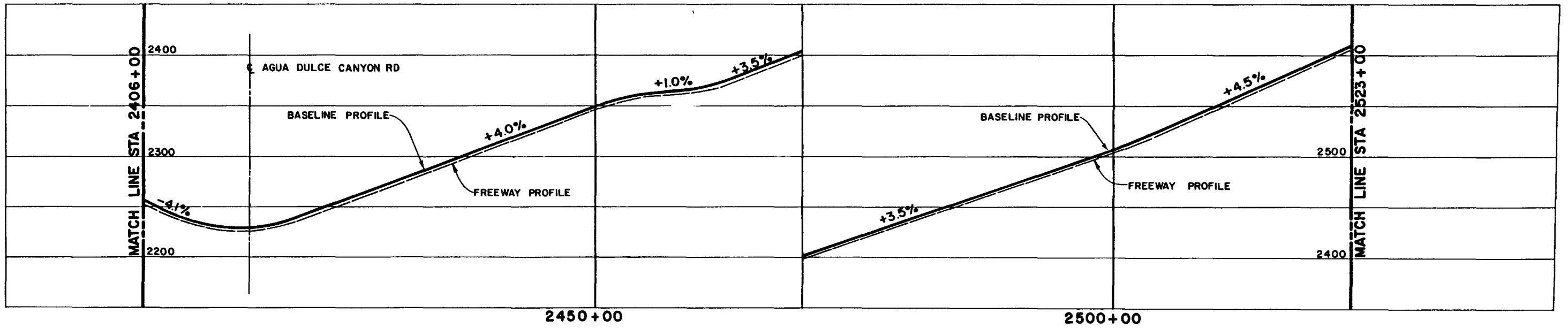
**BASILINE ALIGNMENT**  
 STA 2280+00 TO STA 2406+00  
 PLAN & PROFILE

**19**  
 SHEET NO.





16kV  
Apx. 30' Clearance



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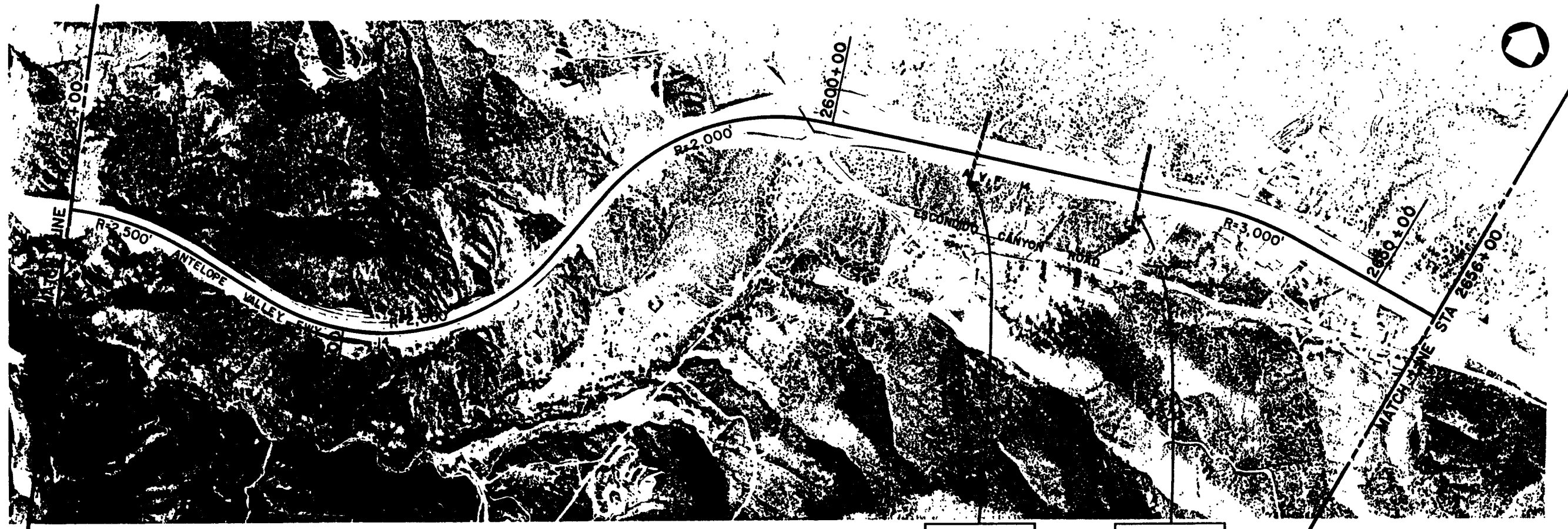
*Parsons  
Brinckerhoff  
Quade &  
Douglas, Inc.*

**C** CORDOBA CORPORATION

**UTILITY CROSSINGS**

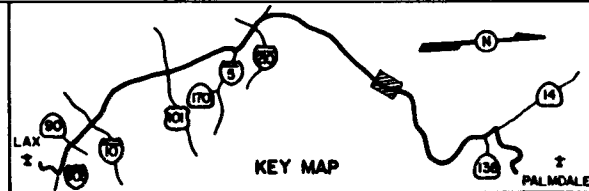
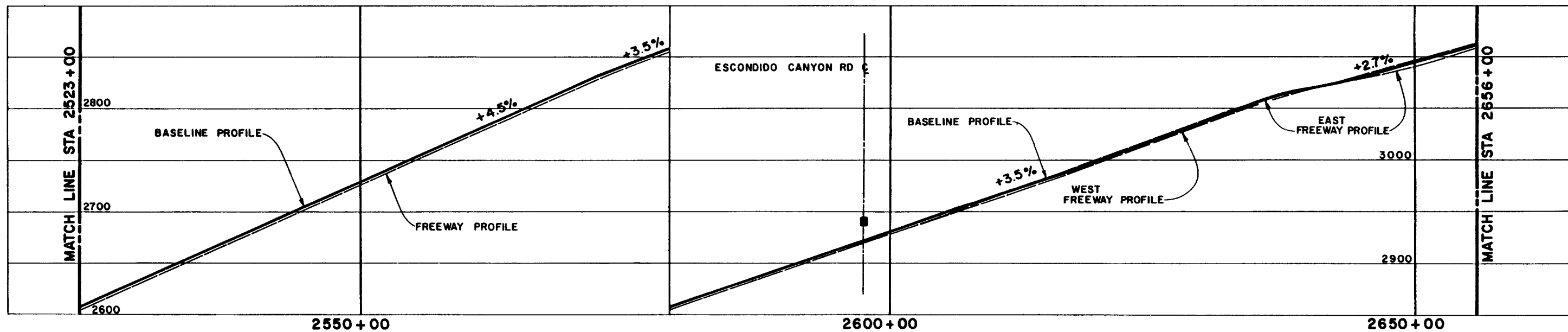
**BASELINE ALIGNMENT  
STA 2406+00 TO STA 2523+00  
PLAN & PROFILE**

**20**  
SHEET NO.



12kV  
Apx. 40' Clearance

12kV  
Apx. 30' Clearance



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CORDOBA CORPORATION

**UTILITY CROSSINGS**

**BASELINE ALIGNMENT  
STA 2523+00 TO STA 2656+00  
PLAN & PROFILE**

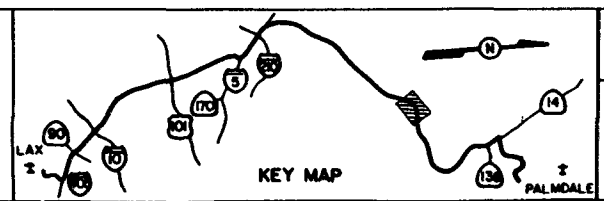
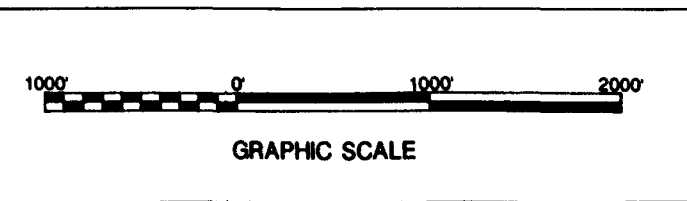
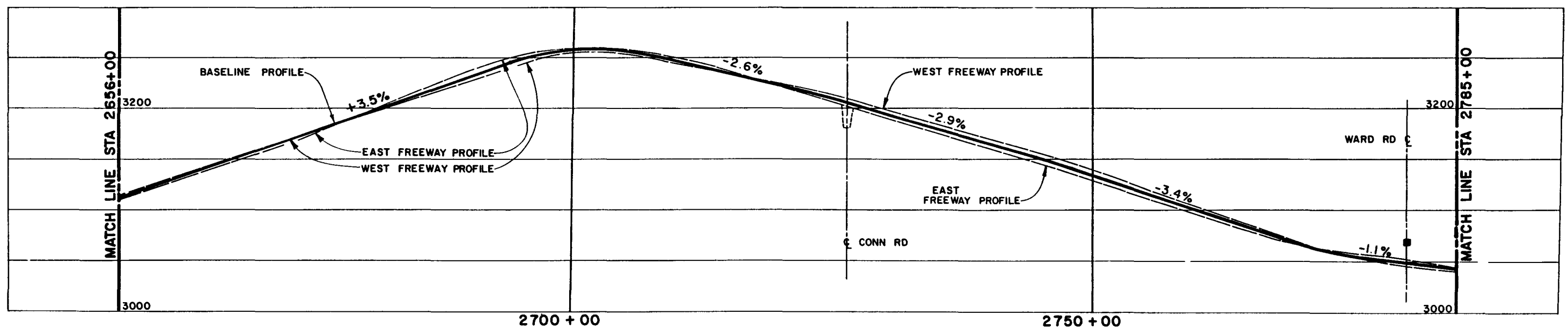
**21**  
SHEET NO.



12kV  
Apx. 40' Clearance

12kV  
Apx. 45' Clearance

12kV  
Apx. 35' Clearance



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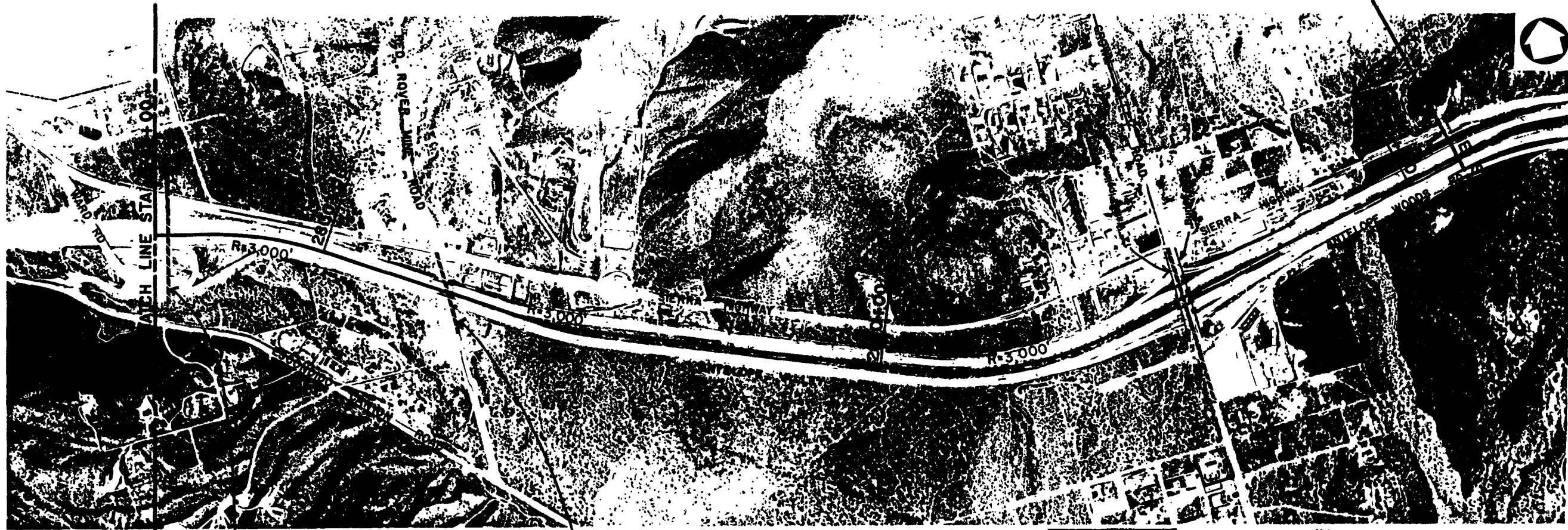
**Parsons Brinckerhoff Quade & Douglas, Inc.**

**C** CORDOBA CORPORATION

**UTILITY CROSSINGS**

**BASELINE ALIGNMENT  
STA 2656+00 TO STA 2785+00  
PLAN & PROFILE**

**22**  
SHEET NO.

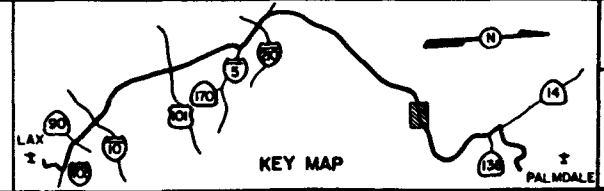
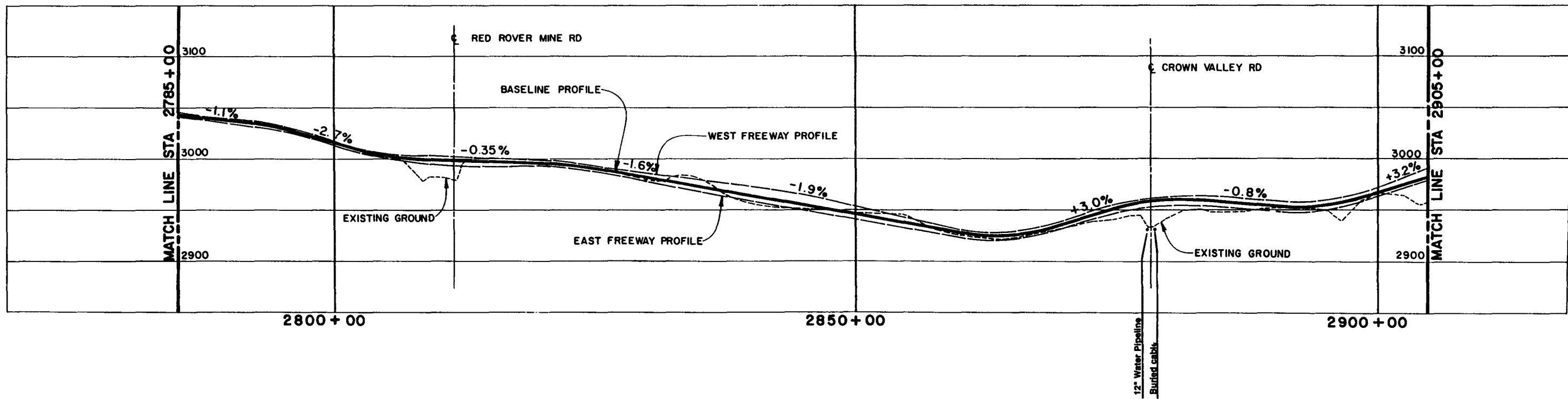


12kV  
Apx. 35' Clearance

12kV  
Apx 30' Clearance

SCE 12kV Apx. Height 28'

Note:  
 • All approx. clearances are measured from existing grade.  
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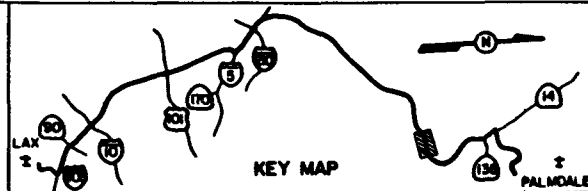
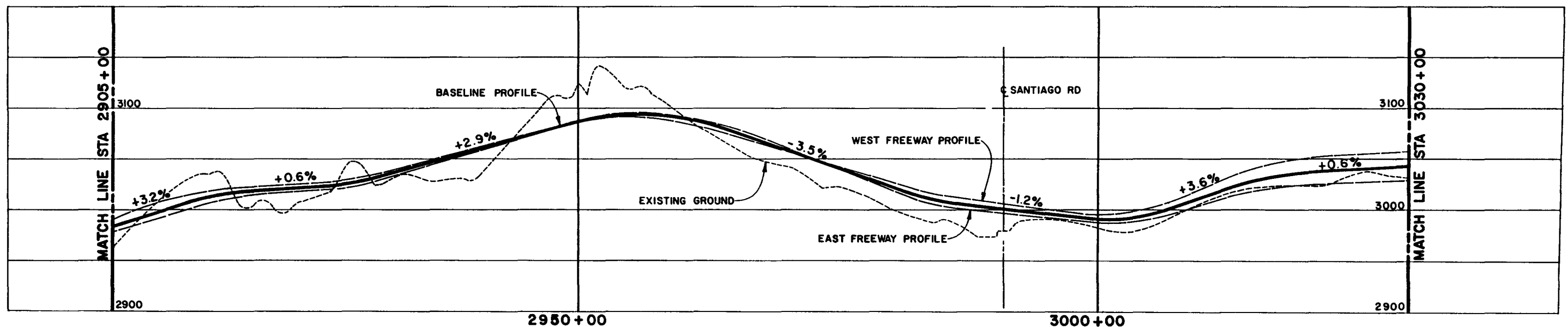
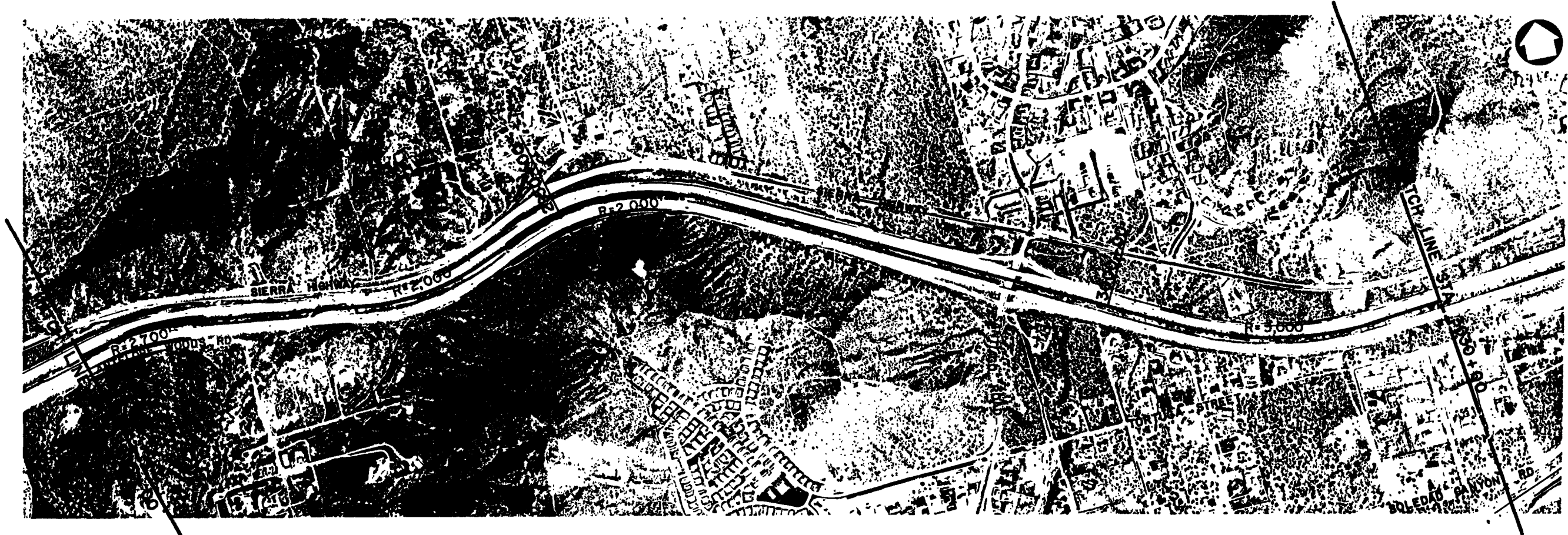
**C** CORDOBA CORPORATION

**UTILITY CROSSINGS**

BASELINE ALIGNMENT  
 STA 2785+00 TO STA 2905+00  
 PLAN & PROFILE

**23**  
 SHEET NO.





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CORDOBA CORPORATION

**UTILITY CROSSINGS**

BASELINE ALIGNMENT  
STA 2905+00 TO STA 3030+00  
PLAN & PROFILE

**24**  
SHEET NO.





|                            |                    |
|----------------------------|--------------------|
| SCE 12kV (Spur 12kV)       | Apx. 27' Clearance |
| SCE Seawest 220kV          | Clearance Unknown  |
| SCE Antelope-Mesa 220kV    | Clearance Unknown  |
| SCE Antelope-Vincent 220kV | Clearance Unknown  |

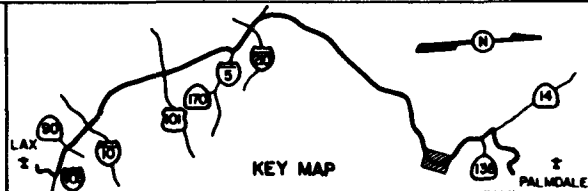
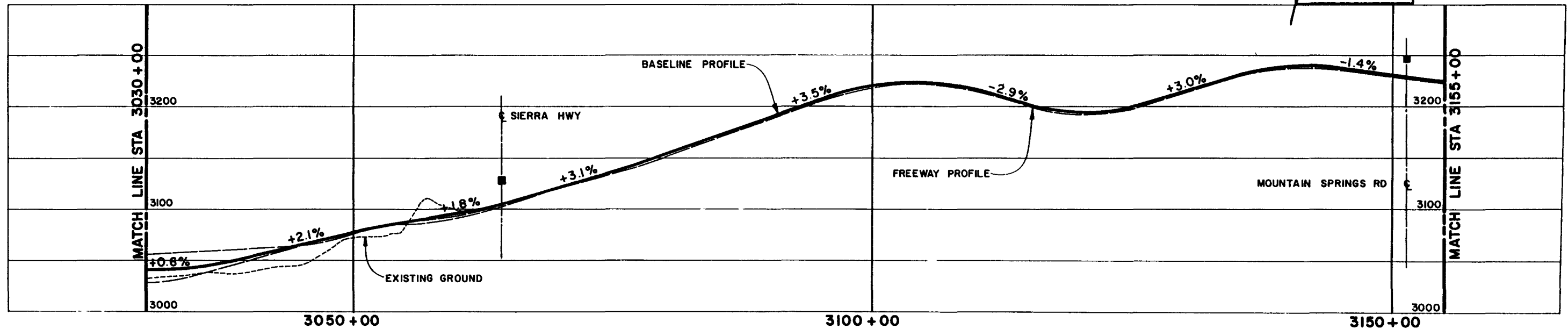
Note:  
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SCE 12kV (Spur 12kV)  
 Apx. 38' Clearance

SCE 12kV (Spur 12kV)  
 Apx. 43' Clearance

SCE Midway - Vincent #2  
 500kV Apx. Clearance

SCE Midway - Vincent #3  
 500kV Apx. Clearance  
 SCE Midway - Vincent #1  
 500kV Apx. Clearance  
 SCE 12kV (spur 12kV)  
 Apx. 35' Clearance



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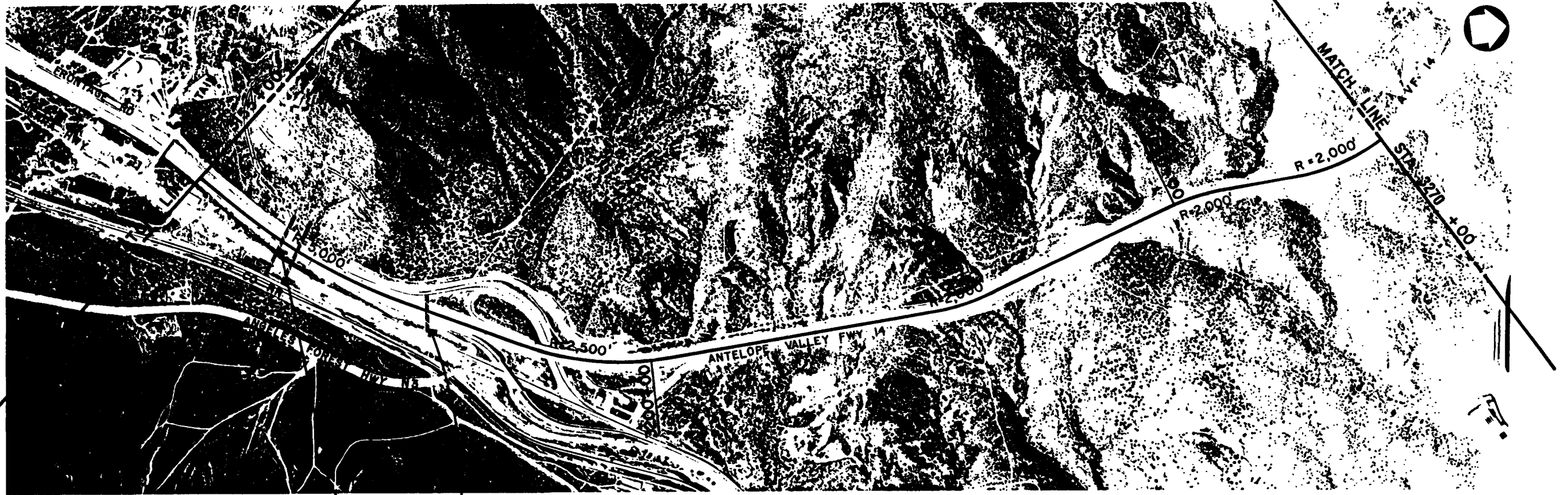
Parsons  
 Brinckerhoff  
 Quade &  
 Douglas, Inc.

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**UTILITY CROSSINGS**

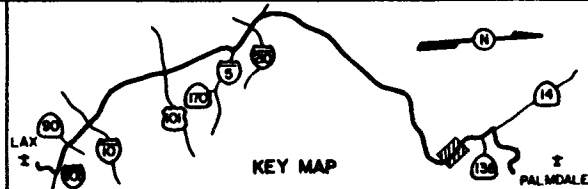
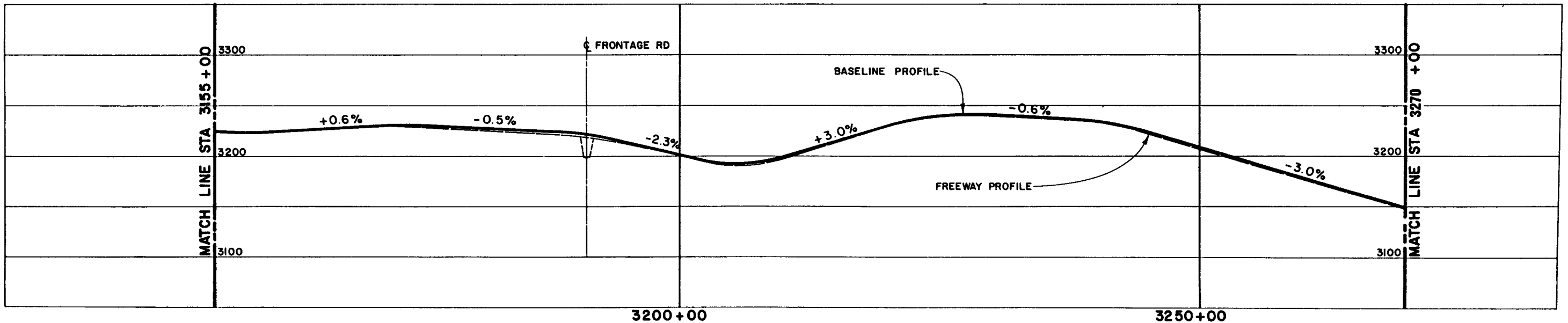
**BASELINE ALIGNMENT**  
 STA 3030+00 TO STA 3155+00  
 PLAN & PROFILE

**25**  
 SHEET NO.



SCE 12kV (Spur 12kV)  
Apx. 23' Clearance  
DWP 500kV Circuit  
Clearance Unknown

Note:  
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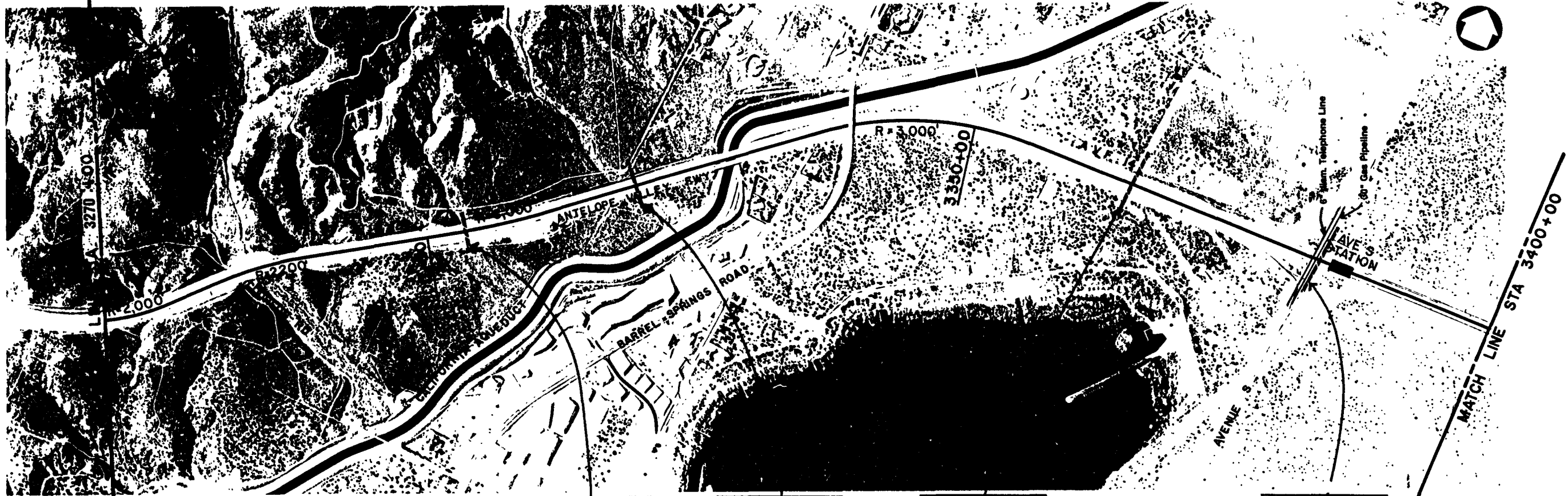
Parsons  
Brinckerhoff  
Quade &  
Douglas, Inc.

**C**  
CORDOBA CORPORATION

UTILITY CROSSINGS

BASELINE ALIGNMENT  
STA 3155+00 TO STA 3270+00  
PLAN & PROFILE

26  
SHEET NO.



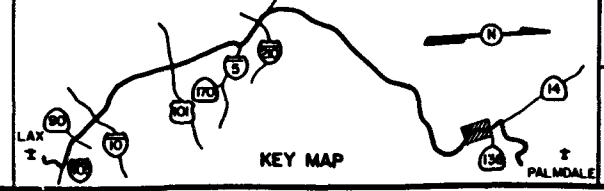
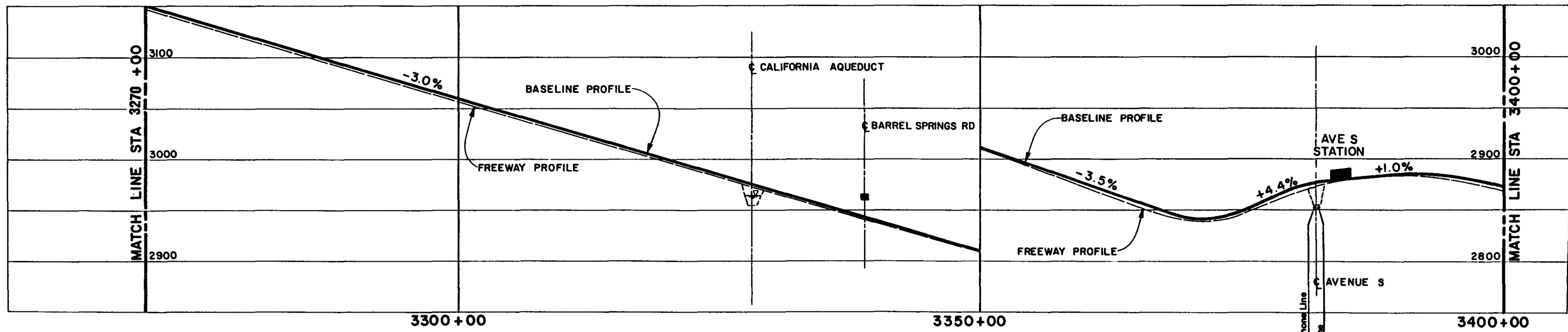
Note:  
 • All approx. clearances are measured from existing grade.  
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SCE Leona 12kV  
 Apx. 26' Clearance

SCE Leona 12kV  
 Apx. 35' Clearance

SCE Leona 12kV  
 Apx. 26' Clearance

SCE Leona 12kV  
 Apx. 32' Clearance



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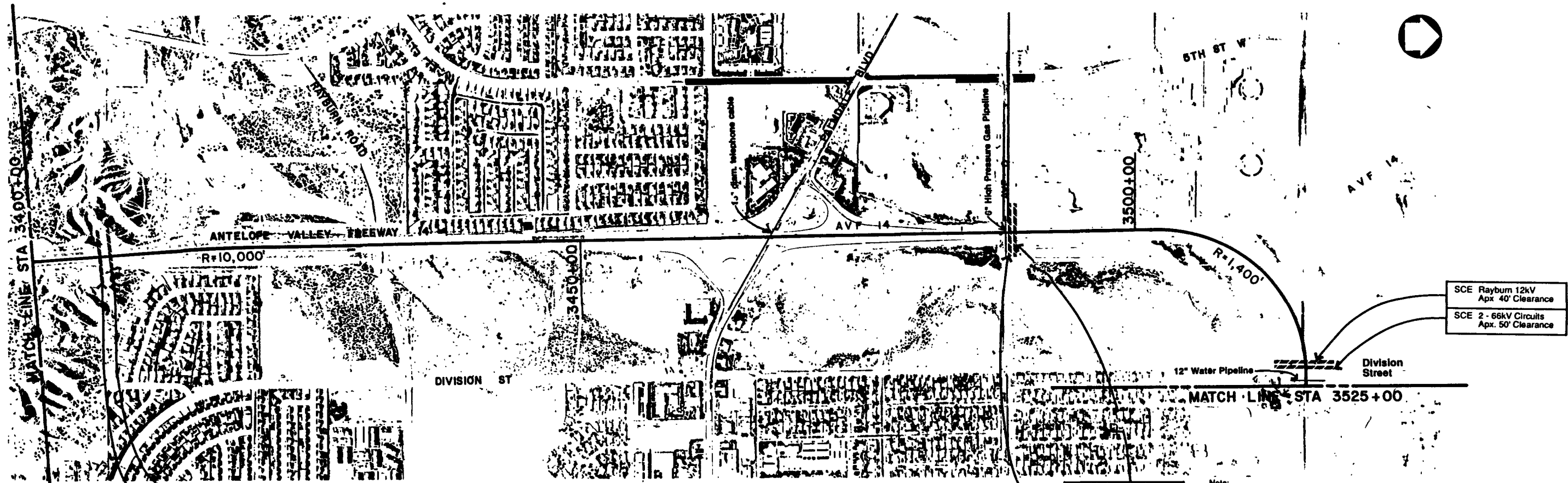
Parsons  
 Brinckerhoff  
 Quade &  
 Douglas, Inc.

**C** CORDOBA CORPORATION

**UTILITY CROSSINGS**

BASELINE ALIGNMENT  
 STA 3270+00 TO STA 3400+00  
 PLAN & PROFILE

**27**  
 SHEET NO.

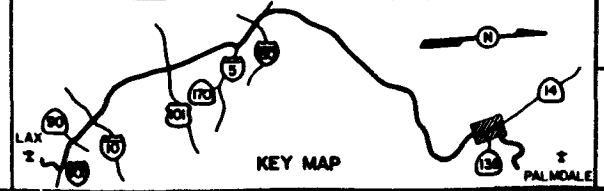
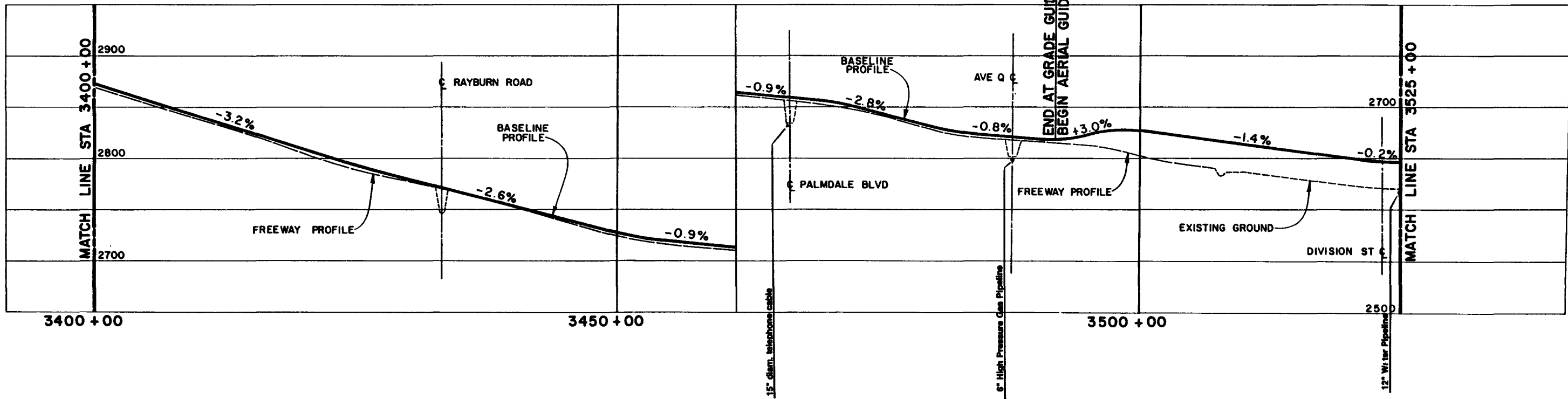


SCE Quinby 12kV, Apx. 80' Clearance  
 Acton 12kV, Apx. 80' Clearance  
 SCE 66kV  
 Apx. 90' Clearance

SCE 66kV  
 Apx. 36' Clearance  
 SCE Rayburn 12kV  
 Apx. 24' Clearance

SCE Rayburn 12kV  
 Apx. 40' Clearance  
 SCE 2 - 66kV Circuits  
 Apx. 50' Clearance

Note:  
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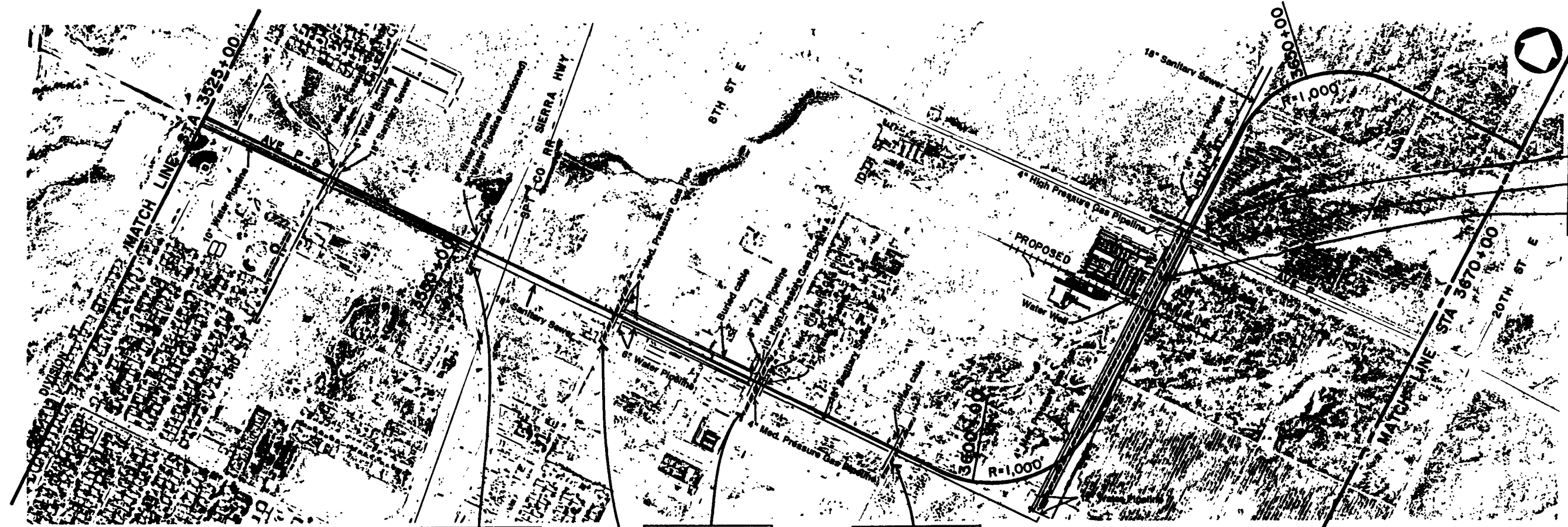
**C** CORDOBA CORPORATION

**UTILITY CROSSINGS**

**BASELINE ALIGNMENT**  
 STA 3400+00 TO STA 3525+00  
 PLAN & PROFILE

**28**  
 SHEET NO.



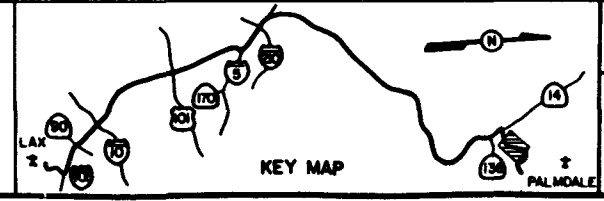
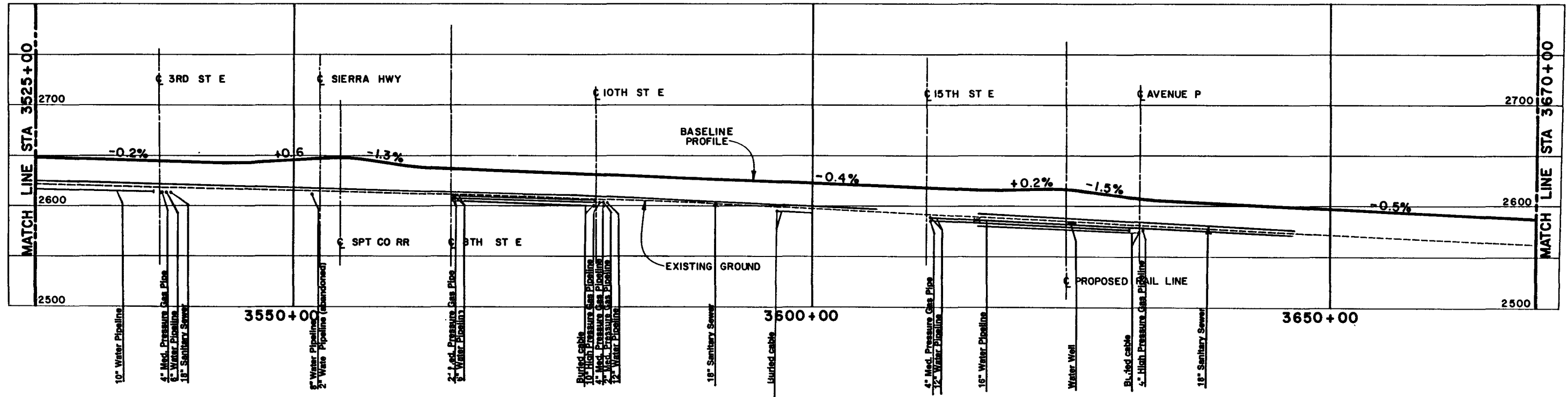


|  |
|--|
| 66kV Circuit - Wood Poles<br>Apx. 50' Clearance          |
| Beone 12kV<br>Apx. 38' Clearance                         |
| Beone 12kV<br>Apx. 35' Clearance<br>W/S of 15th St. East |

|  |
|--|
| Rayburn 12kV<br>12kV Apx. 40' Clearance<br>240V Apx. 34' Clearance |
|--|

|                                  |
|----------------------------------|
| Beone 12kV<br>Apx. 45' Clearance |
| Beone 12kV<br>Apx. 38' Clearance |

|  |
|--|
| Beone 12kV<br>12kV Apx. 39' Clearance<br>240V Apx. 29' Clearance |
|--|



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**C** CORDOBA CORPORATION

**UTILITY CROSSINGS**

BASELINE ALIGNMENT  
STA 3525+00 TO STA 3670+00  
PLAN & PROFILE

**29**  
SHEET NO.



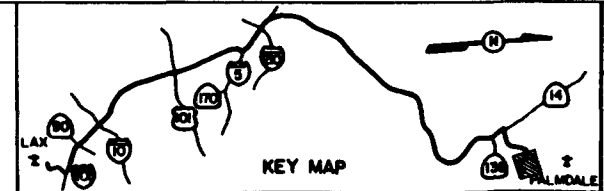
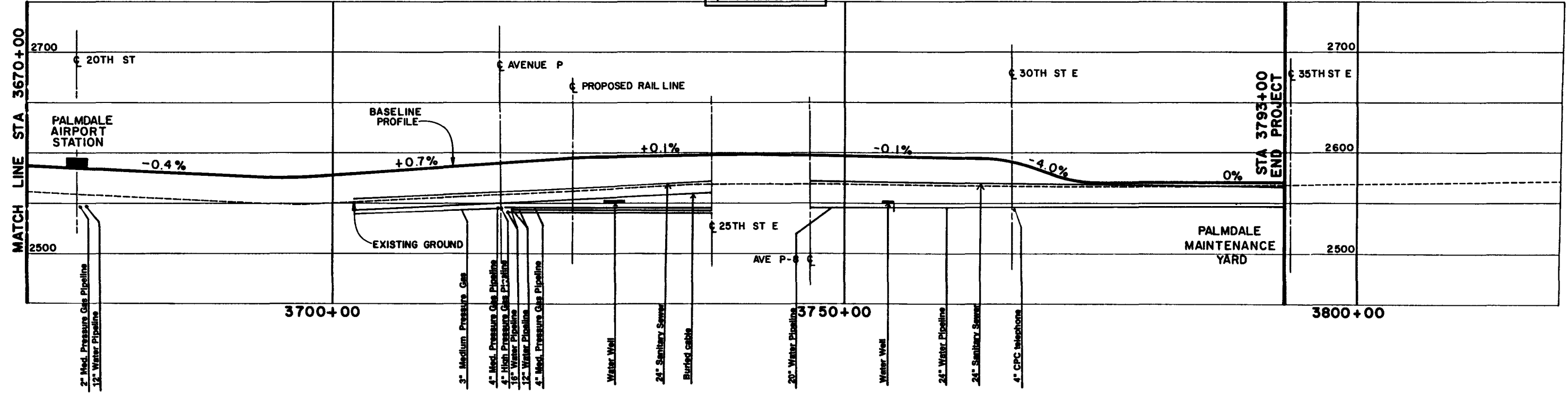


Beone 12kV  
12kV Apx. 28' Clearance  
120/240V Apx. 20' Clearance

66kV  
Apx. 49' Clearance  
Paddy 12kV  
Apx. 37' Clearance

Paddy - 12kV Circuit  
Apx. 39' Clearance  
Paddy 12kV  
12kV Apx. 34' Clearance  
120/240V Apx. 25' Clearance  
Paddy 12kV  
Apx. 40' Clearance

12kV Line  
Clearance Unknown



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**C** CORDOBA CORPORATION

**UTILITY CROSSINGS**

BASELINE ALIGNMENT  
STA 3670+00 TO STA 3793+00  
PLAN & PROFILE

**30**  
SHEET NO.