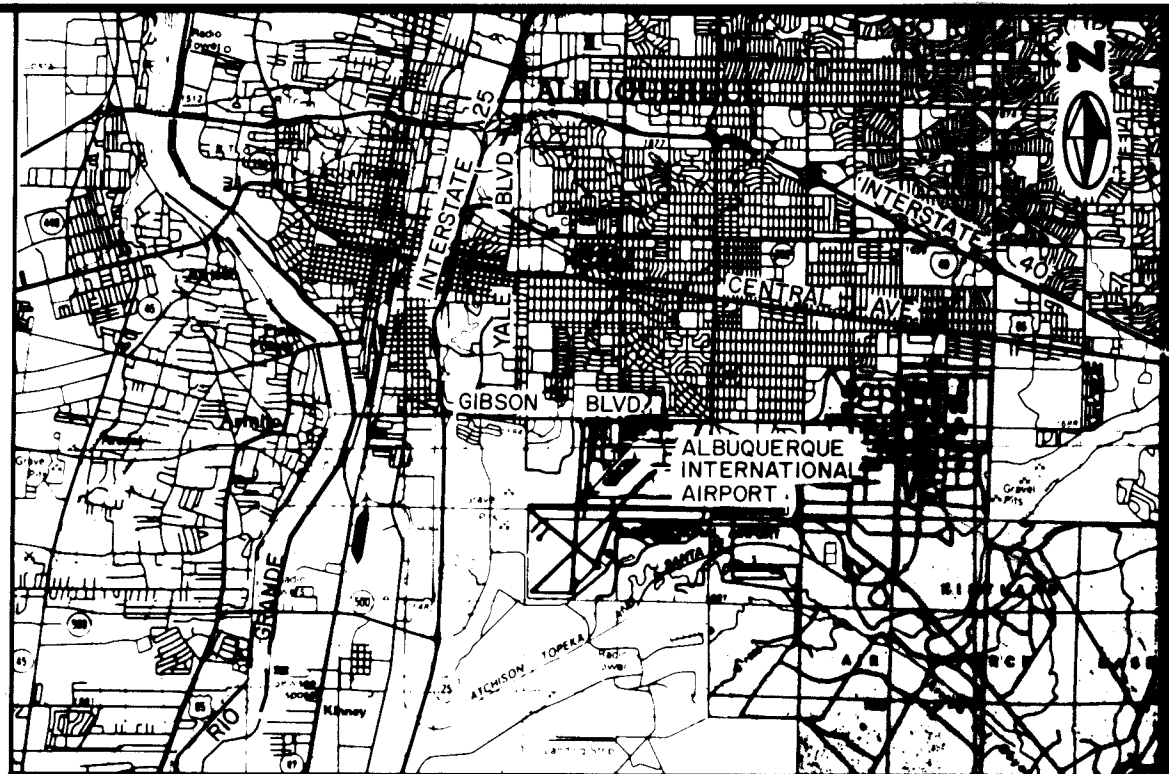
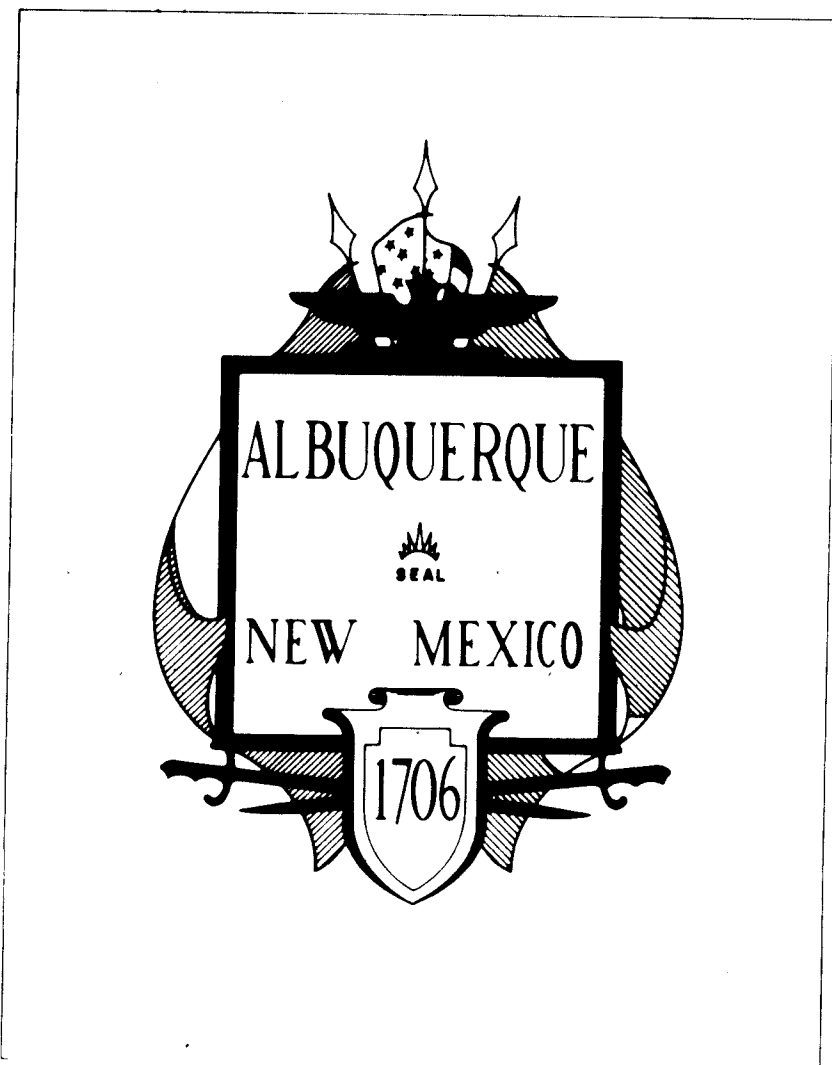


CITY OF ALBUQUERQUE
NEW MEXICO



VICINITY MAP
MAP NOS. M-16, 17 & 18
N-16, 17 & 18

RUNWAY 8 - 26 PAVING IMPROVEMENTS (EAST 9,700FT.)
ALBUQUERQUE INTERNATIONAL AIRPORT

A.I.P. NO. 3 - 35 - 0003 - 03

DATE: DECEMBER 1983

INDEX TO DRAWINGS

1. TITLE & INDEX SHEET

2. SUMMARY OF QUANTITIES AND GENERAL NOTES

3. LOCATION MAP & PHASING

4. GRADING PLAN - STA. 40+00 TO STA. 48+00

5. GRADING PLAN - STA. 48+00 TO STA. 58+00

6. GRADING PLAN, RUNWAY 3-21 - STA. 1+00 TO STA. 11+00

7. GRADING PLAN - STA. 58+00 TO STA. 68+00

8. GRADING PLAN - STA. 68+00 TO STA. 78+00

9. GRADING PLAN - STA. 78+00 TO STA. 88+00

10. GRADING PLAN - STA. 88+00 TO STA. 98+00

11. GRADING PLAN - STA. 98+00 TO STA. 110+00

12. GRADING PLAN - STA. 110+00 TO STA. 121+00

13. GRADING PLAN - STA. 121+00 TO STA. 131+00

14. GRADING PLAN - STA. 131+00 TO STA. 139+40±

15. PLAN LAYOUT - EAST END RECONSTRUCTION
16. CONCRETE PAVEMENT CROSS-SECTION & DETAILS

17. CONCRETE PAVEMENT TRANSITION SLAB DETAILS

18. ASPHALT OVERLAY TYPICAL CROSS-SECTIONS

19. ASPHALT PAVEMENT TYPICAL CROSS-SECTIONS

20. REMOVAL PLAN - EAST END RECONSTRUCTION

21. PROFILE GRADES - STA. 40+00 TO STA. 48+00

22. PROFILE GRADES - STA. 48+00 TO STA. 58+00

23. PROFILE GRADES - STA. 58+00 TO STA. 68+00

24. PROFILE GRADES - STA. 68+00 TO STA. 78+00

25. PROFILE GRADES - STA. 78+00 TO STA. 88+00

26. PROFILE GRADES - STA. 88+00 TO STA. 98+00

27. PROFILE GRADES - STA. 98+00 TO STA. 110+00

28. PROFILE GRADES - STA. 110+00 TO STA. 121+00

29. PROFILE GRADES - STA. 121+00 TO STA. 131+00

30. PROFILE GRADES - STA. 131+00 TO STA. 139+40±
31. PROFILE GRADES RUNWAY 3-21 STA. 1+00 TO STA. 11+00

32. PROFILE GRADES RUNWAY 3-21 STA. 11+00 TO STA. 23+00

33. PROFILE GRADES - TAXIWAYS T-8 & T-8D

34. STORM DRAIN - STA. 6+40 TO STA. 17+00 (PLAN & PROFILE)

35. STORM DRAIN - STA. 17+00 TO STA. 26+80 (PLAN & PROFILE)

36. STORM DRAIN DROP INLET DETAILS

37. STORM DRAIN MANHOLE & MISCELLANEOUS DETAILS

38. STORM DRAIN OUTFALL DETAILS

39. ELECTRICAL LAYOUT PLAN - EAST END RECONSTRUCTION

40. ELECTRICAL DETAILS

41. ELECTRICAL DETAILS

42. MARKING PLAN - STA. 40+00 TO STA. 58+00

43. MARKING PLAN - STA. 58+00 TO STA. 98+00

44. MARKING PLAN - STA. 98+00 TO STA. 121+00

45. MARKING PLAN - STA. 121+00 TO STA. 139+40±

APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER - FIELD
W. J. McManis
DATE 10/23/84

RECORD DRAWING
DATE 7/6/84 BY: *HB* FROM:

1 2 3 4 5 6 7 8 9 10 11 12
26 19 13 0 184

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

MOLZEN-CORBIN & ASSOCIATES
CONSULTING ENGINEERS
ALBUQUERQUE - NEW MEXICO - CARLSBAD

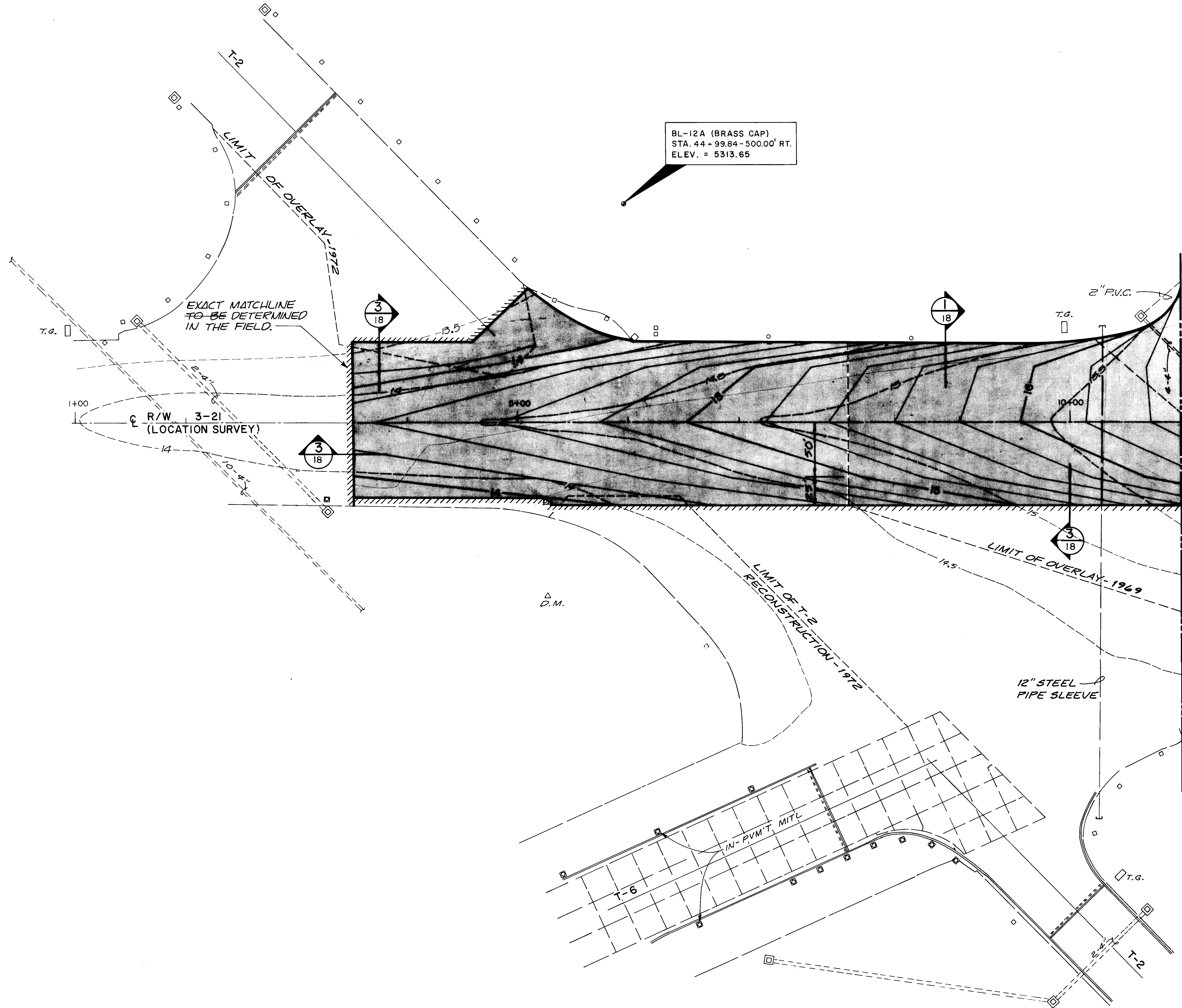
PROJECT NUMBER
1913

APPROVED FOR CONSTRUCTION
C. J. McManis
CITY ENGINEER

SHT. 1 OF 45

SUMMARY OF QUANTITIES				A.I.P. PARTICIPATING		NON- PARTICIPATING	
M	F.A.A. SPEC.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	AS BUILT QUANTITY	ESTIMATED QUANTITY	AS BUILT QUANTITY
-		REMOVE EXIST. P.C. CONCRETE PAVEMENT, 15" - 20" THICK	S.Y.	57,500	56,989	-	-
-		REMOVE EXIST. P.C. CONCRETE PAVEMENT, 10"± THICK	S.Y.	700	692	-	-
-		REMOVE EXIST. ASPHALT PAVEMENT, 4" - 8" THICK	S.Y.	11,500	11,352	-	-
-		REMOVE EXIST. ASPHALT PAVEMENT, < 4" THICK	S.Y.	9,000	9,251	-	-
-		REMOVE WEDGE OF EXIST. ASPH ALT PAVEMENT AT JOINTS	S.Y.	18,000	18,009	-	-
-		REMOVE EXIST. CONCRETE R/W AND T/W EDGE LIGHT BASES	EA.	130	129	-	-
-		REMOVE EXISTING CONCRETE PULLBOXES	EA.	4	4	-	-
P-152		UNCLASSIFIED EXCAVATION	C.Y.	23,500	20,049	500	421
P-152		SUBGRADE PREPARATION	S.Y.	59,000	58,345	3,000	3,072
-		HEAT, SCARIFY, AND RELEVEL EXISTING ASPHALT PAVEMENT	S.Y.	274,700	261,915	47,300	45,137
-		REJUVENATING AGENT	GAL.	20,500	22,336	3,500	3,819
-		ASPHALTIC SEALANT	GAL.	65,600	74,004	12,400	13,992
-		BARRIER FABRIC	S.Y.	262,200	264,985	49,800	50,474
P-208		AGGREGATE BASE COURSE	C.Y.	1,800	1,599	-	-
P-209		CRUSHED AGGREGATE BASE COURSE	C.Y.	1,200	1,043	-	-
P-401		BITUMINOUS SURFACE COURSE	TON	114,700	114,264	13,300	13,265
P-401		BITUMINOUS MATERIAL	TON	6,900	5,982	800	666
P-401		HYDRATED LIME	TON	2,250	227	250	25
P-501		P.C. CONCRETE PAVEMENT, 18" THICK	S.Y.	16,667	16,811	-	-
P-501		P.C. CONCRETE PAVEMENT, 15" - 19" THICK	S.Y.	139	139	-	-
P-501		P.C. CONCRETE BURIED TRANSITION SLAB, THICKNESS VARIES	S.Y.	1,525	1,523	-	-
P-601		SAW AND SEAL P.C.C. PAVEMENT JOINTS	L.F.	12,500	11,124	-	-
P-603		TACK COAT	GAL.	40,000	2,038	-	-
P-620		RUNWAY AND TAXIWAY MARKING, W/BEADS	S.F.	140,000	157,119	-	-
P-620		RUNWAY AND TAXIWAY MARKING, W/O BEADS	S.F.	4,000	3,993	-	-
P-620		CONCRETE PRIMER	S.F.	27,000	28,401	-	-
D-701		30" R.C.P., CLASS III	L.F.	336	336	-	-
D-701		48" R.C.P., CLASS III	L.F.	354	358	-	-
D-701		54" R.C.P., CLASS III	L.F.	1,544	1,544	-	-
D-701		54" R.C.P., CLASS III W/BEVELED JOINTS	L.F.	40	40	-	-
D-701		60" R.C.P., CLASS III	L.F.	72	72	-	-
D-701		60" R.C.P. END SECTION	EA.	1	1	-	-
-		ACCESS MANHOLE, 4' DIAMETER	EA.	4	4	-	-
-		DROP INLET NO. 1	L.S.	1	1	-	-
-		DROP INLET NO. 2	L.S.	1	1	-	-
-		DROP INLET NO. 3	L.S.	1	1	-	-
-		DROP MANHOLE AT STA. 25+93	L.S.	1	1	-	-
-		GROUTED RIP-RAP	C.Y.	35	35	-	-
-		DUMPED RIP-RAP	C.Y.	165	165	-	-
D-701		TRENCH & BACKFILL, 18" - 36" Ø, < 8' DEPTH	L.F.	76	78	-	-
D-701		TRENCH & BACKFILL, 18" - 36" Ø, 8' - 14' DEPTH	L.F.	260	258	-	-
D-701		TRENCH & BACKFILL, ≥ 42", < 8' DEPTH	L.F.	30	37	-	-
D-701		TRENCH & BACKFILL, ≥ 42", 8' - 14' DEPTH	L.F.	450	447	-	-
D-701		TRENCH & BACKFILL, ≥ 42", 14' - 20' DEPTH	L.F.	1,400	1,400	-	-
D-701		TRENCH & BACKFILL, ≥ 42", > 20' DEPTH	L.F.	130	130	-	-
-		CONSTRUCT & MAINTAIN DETOUR AT KIRTLAND ROAD	L.S.	1	1	-	-
L-108		CABLE TRENCH	L.F.	2,600	2,600	-	-
L-108		#6, 5KV, 1/C, L-824C CABLE, IN TRENCH OR CONDUIT	L.F.	6,000	6,300	-	-
L-108		#6 COUNTERPOISE IN TRENCH OR CONDUIT, INCLUDING GROUND RODS	L.F.	4,000	4,000	-	-
L-110		2" PVC CONDUIT, CONCRETE ENCASED	L.F.	850	850	-	-
L-110		4-WAY, 4" DUCT BANK, CONCRETE ENCASED	L.F.	370	370	-	-
-		CONNECT DUCT TO EXISTING PULLBOX	EA.	6	6	-	-
-		P.C. CONCRETE PULLBOX	EA.	3	3	-	-
-		ADJUST EXISTING PULLBOX TO GRADE	EA.	2	3	-	-
L-125		ADJUST EXISTING SEMI-FLUSH HIRL TO GRADE	EA.	13	14	-	-
L-125		REMOVE & REPLACE EXISTING SEMI-FLUSH HIRL W/NEW BASE	EA.	3	3	-	-
L-125		SEMI-FLUSH THRESHOLD LIGHT, L-850D	EA.	10	10	-	-
L-125		STAKE MOUNTED MITL, L-861T	EA.	42	42	-	-
L-125		ILLUMINATED TAXIWAY GUIDANCE SIGN, L-858 R OR Y	EA.	9	9	-	-
T-901		SEEDING, CLASS "C" (ALT. NO. 1)	ACRE	21	25	-	-
T-901		WATERING (ALT. NO. 1)	AC-UNIT	126	8	-	-

SCALE: 1" = 50'
FINISH CONTOUR
INTERVAL = 0.20'



MATCH LINE STA. 11+00 SEE SHT. 5

26 1913 0684

RECORD DRAWING		
DATE: 7/6/84	BY: HJB	FROM:



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION



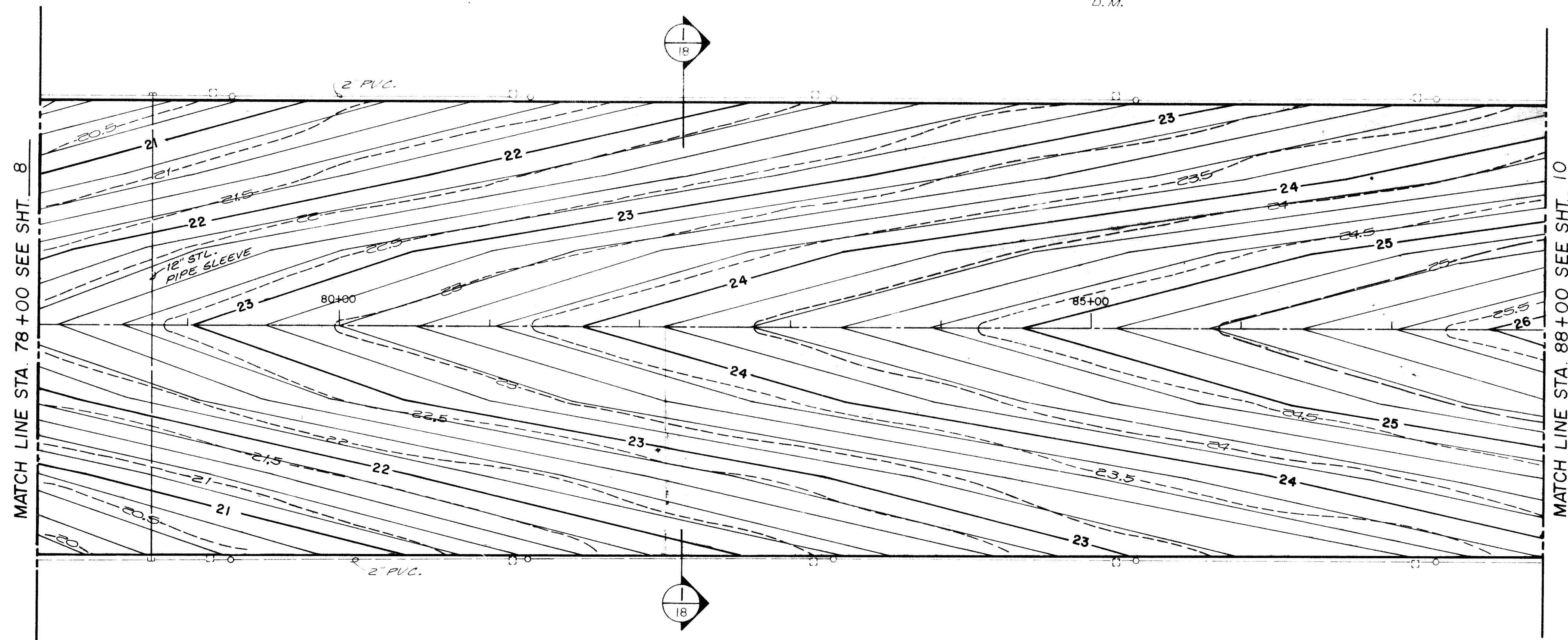
TITLE: GRADING PLAN, RUNWAY 3-21
STA. 1+00 TO STA. 11+00

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

DRAWING NO. 1913 MAP NO. N 16 & 17 SHEET 6 OF 45

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
		NO.	BY	DATE	CONTRACTOR	WORK	DATE
			ALBUQ. SURVEY CO. 5/2/83	5/2/83	BRASS CAP, BL-12A, STA. 44+99.84-500.00 RT. (R/W 8-26)	WORK	DATE
					ELEV. = 5313.65 (C.O.E. 5313.699)	ACCEPTANCE BY	DATE
		NO.	DATE			FIELD	DATE
						REVISIONS	DATE
						CORRECTED BY	DATE
						RECORDED BY	DATE
						NO	DATE

SCALE: 1" = 50'
FINISH CONTOUR
INTERVAL = 0.20'



R/W 8-26
S. 89°34'11\"/>

NOTE:
SEE LEGEND SHEET 4

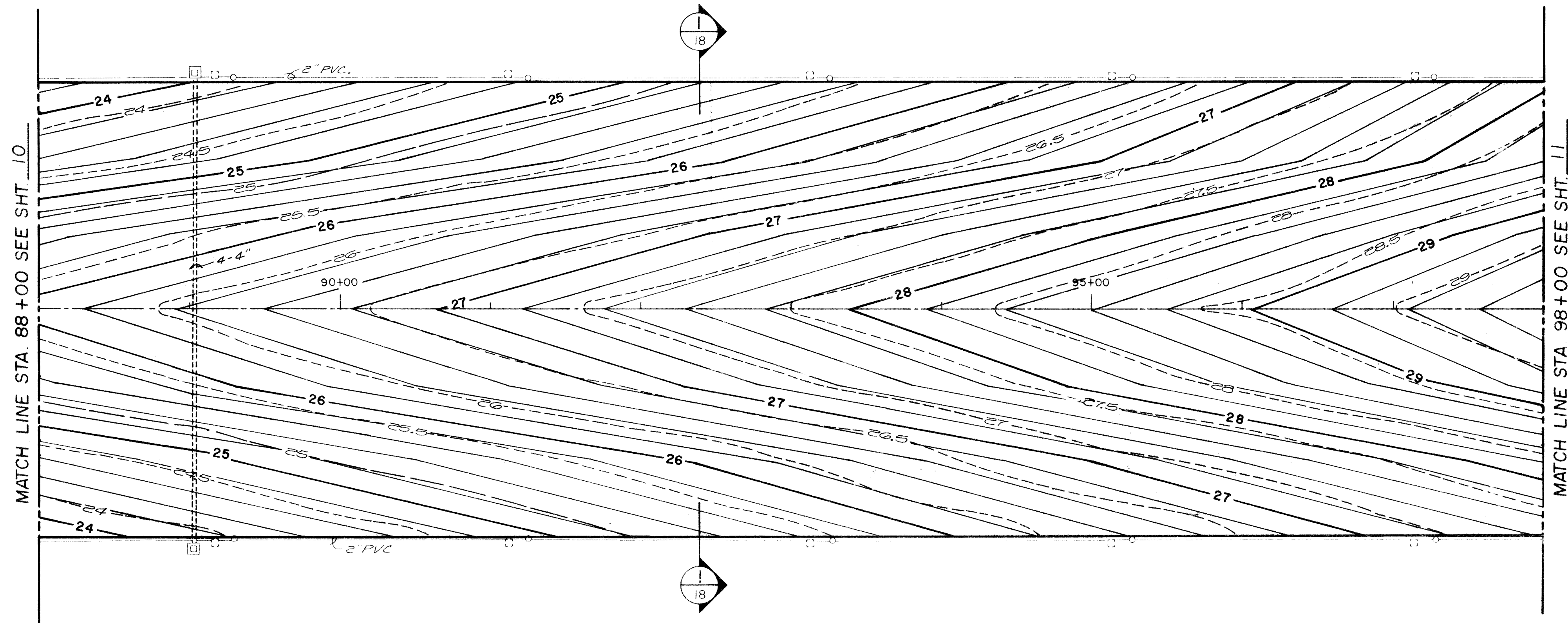
26 1913 0984

RECORD DRAWING
DATE: 7/19/84 BY: JRP

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: GRADING PLAN STA. 78+00 TO STA. 88+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		
DRAWING NO. 1913		MAP NO. M-17 N-17		SHEET 9 OF 45	

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	NO.	BY	DATE
1	ALBUQ. SURVEY CO.	5/2/83	BRASS CAP, BL-20, STA. 56+75.32 - 470.60' RT.	INSPECTED BY	DATE
			ELEV. = 5315.96 (C.O.E. 5315.956)	FIELD PLACEMENT BY	DATE
				VERIFICATION BY	DATE
				CORRECTED BY	DATE
				RECORDED BY	DATE
				NO.	

N
SCALE 1" = 50'
FINISH CONTOUR
INTERVAL = 0.20'



BL-14.1 (BRASS CAP)
STA. 89+99.92-500.00' RT
ELEV. = 5323.82

NOTE
SEE LEGEND SHEET 4

26 1913 1084

RECORD DRAWING
DATE 1/6/84 BY HB FROM

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

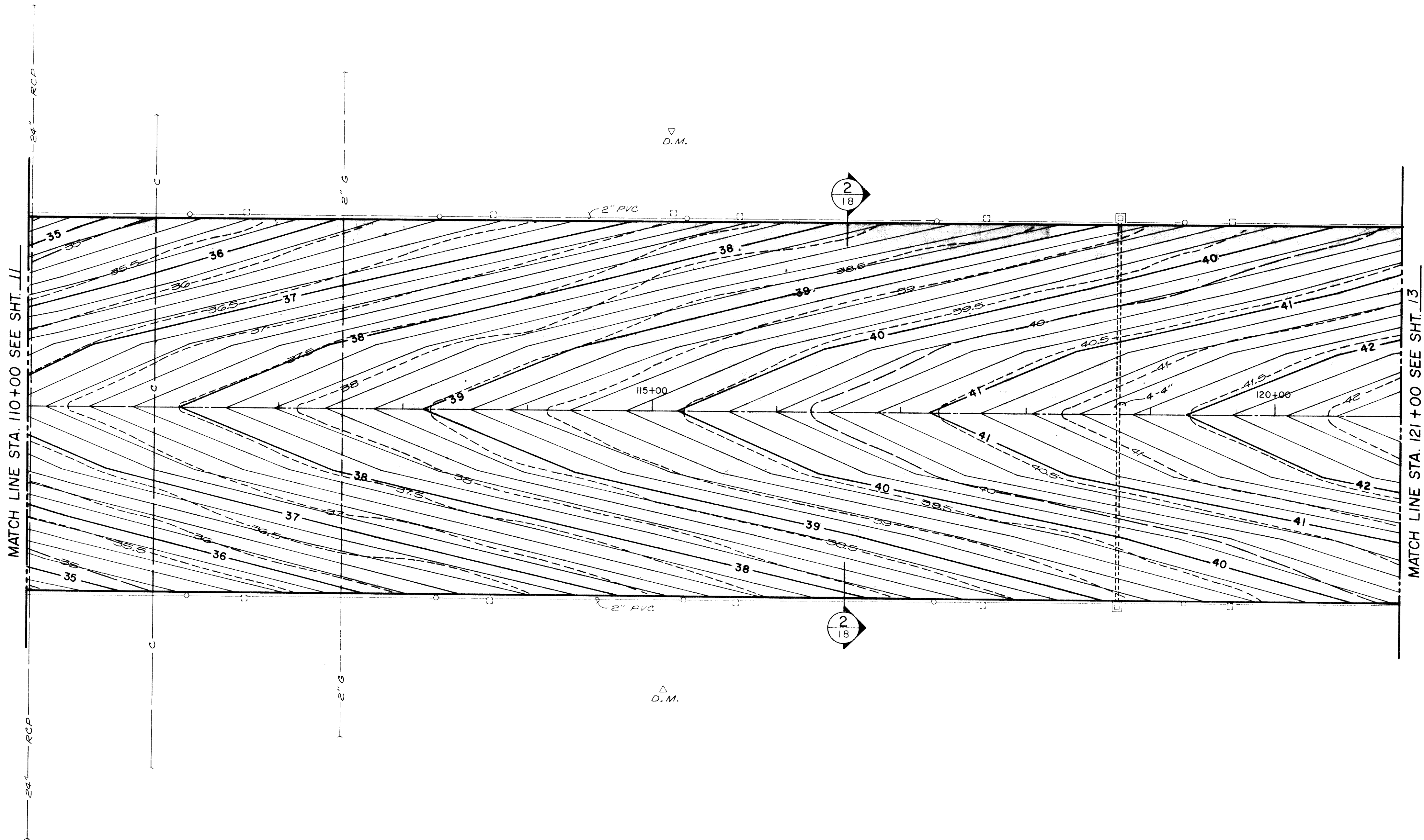
TITLE: GRADING PLAN
STA. 88+00 TO STA. 98+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		

DRAWING NO. 1913 MAP NO. M-17 N-17 SHEET 10 OF 45

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES					
NO.	BY	DATE		CONTRACTOR	DATE
1	ALBUQ. SURVEY CO.	5/2/83	BRASS CAP, BL-14.1, STA. 89+99.92-500.00' RT	ALBUQ. SURVEY CO.	5/2/83
2	ALBUQ. SURVEY CO.	5/2/83	ELF V. = 5323.82 (C.O.E. 5323.840)	ALBUQ. SURVEY CO.	5/2/83
3	ALBUQ. SURVEY CO.	5/2/83	BRASS CAP, BL-14.1, STA. 110+99.92-500.00' RT	ALBUQ. SURVEY CO.	5/2/83
4	ALBUQ. SURVEY CO.	5/2/83	ELEV. = 5322.98 (C.O.E. 5322.967)	ALBUQ. SURVEY CO.	5/2/83
5				ALBUQ. SURVEY CO.	5/2/83
6				ALBUQ. SURVEY CO.	5/2/83
7				ALBUQ. SURVEY CO.	5/2/83
8				ALBUQ. SURVEY CO.	5/2/83
9				ALBUQ. SURVEY CO.	5/2/83
10				ALBUQ. SURVEY CO.	5/2/83
11				ALBUQ. SURVEY CO.	5/2/83
12				ALBUQ. SURVEY CO.	5/2/83
13				ALBUQ. SURVEY CO.	5/2/83
14				ALBUQ. SURVEY CO.	5/2/83
15				ALBUQ. SURVEY CO.	5/2/83
16				ALBUQ.	


SCALE: 1" = 50'
FINISH CONTOUR
INTERVAL = 0.20'



BL-15A (BRASS CAP)
STA. 110+99.92-500.00' RT.
ELEV. = 5332.98

R/W 8-26
S 89°34'11" E

NOTE:
SEE LEGEND SHEET 4.

26 1913 1284

RECORD DRAWING
DATE: 7/6/84 BY: JHB FROM:



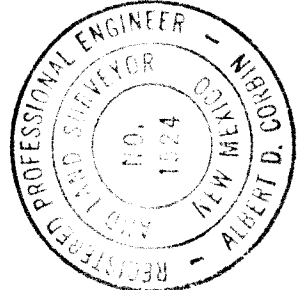
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

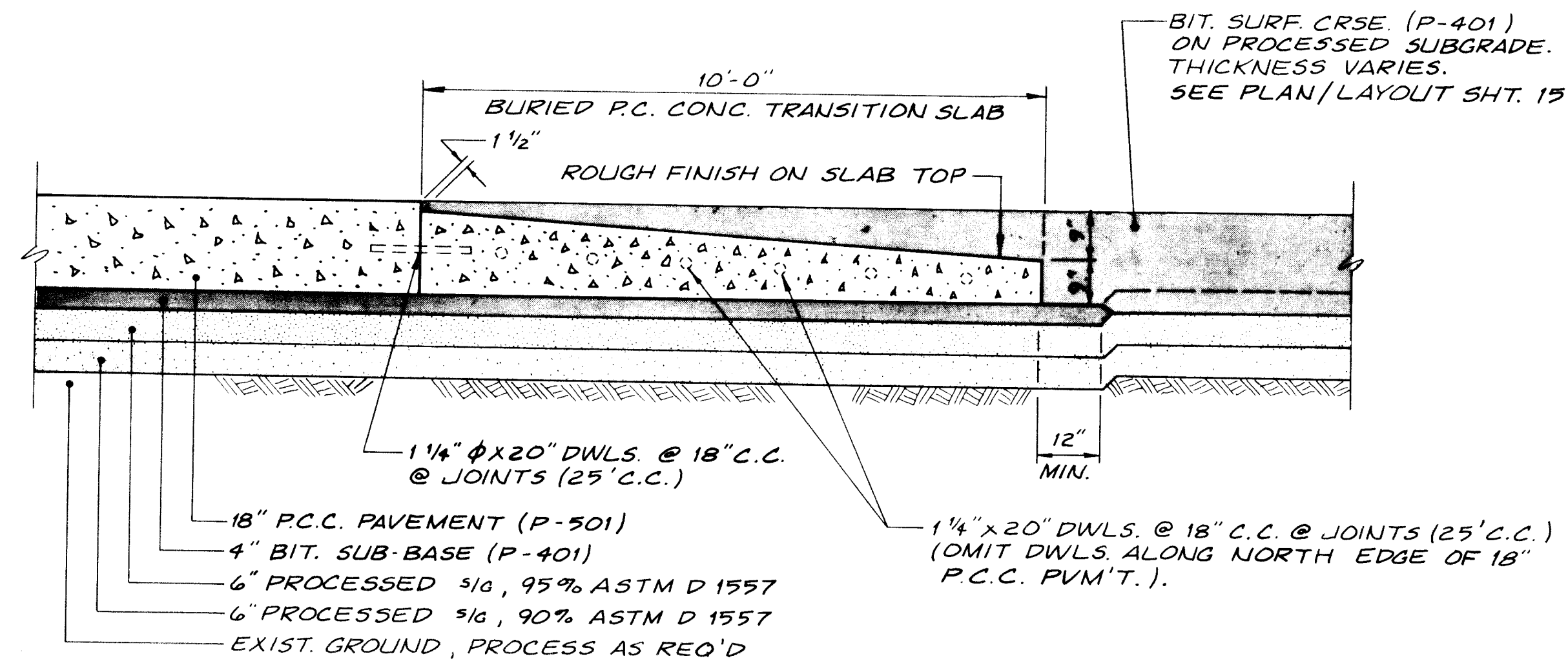


TITLE:
GRADING PLAN
STA. 110+00 TO STA. 121+00

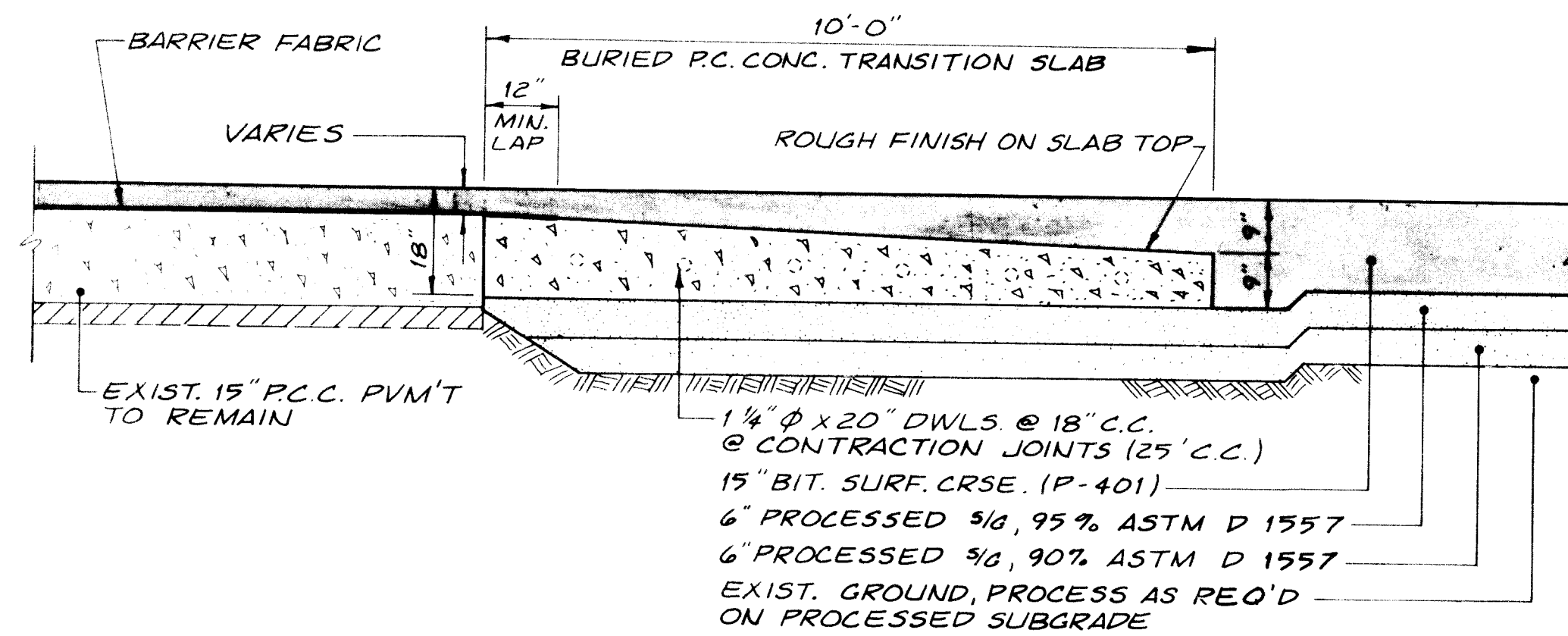
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E - Hydrology			Water		

DRAWING NO. 1913 MAP NO. M-18 N-18 SHEET 12 OF 45

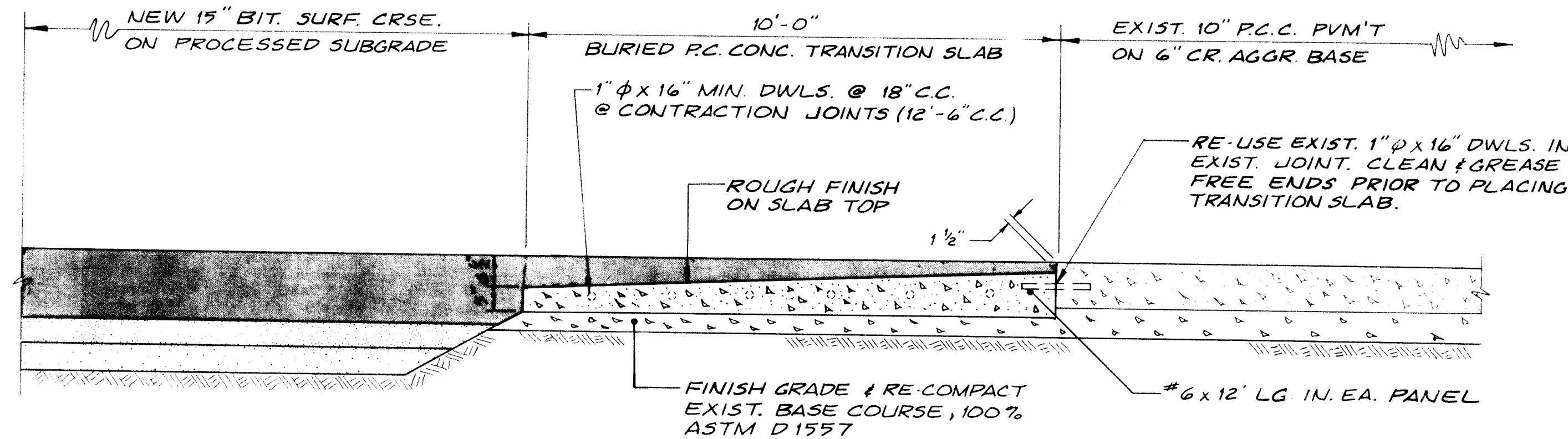
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
		NO.	BY	DATE		CONTRACTOR	
			ALBUC. SURVEY CO.	5/2/83	BRASS CAP, BL-15A, STA. 110+99.92-500.00' RT. ELEV. = 5332.98 (C.O.E. 5332.987)	WORK STARTED BY	DATE
			ALBUC. SURVEY CO.	5/2/83	BRASS CAP, BL-15A, STA. 130+09.35-500' RT. ELEV. = 5345.22 (C.O.E. 5345.190)	FIELD ACCEPTANCE BY	DATE
						DESIGNED BY	DATE
						CHECKED BY	DATE
						RECORDED BY	DATE
						NO	



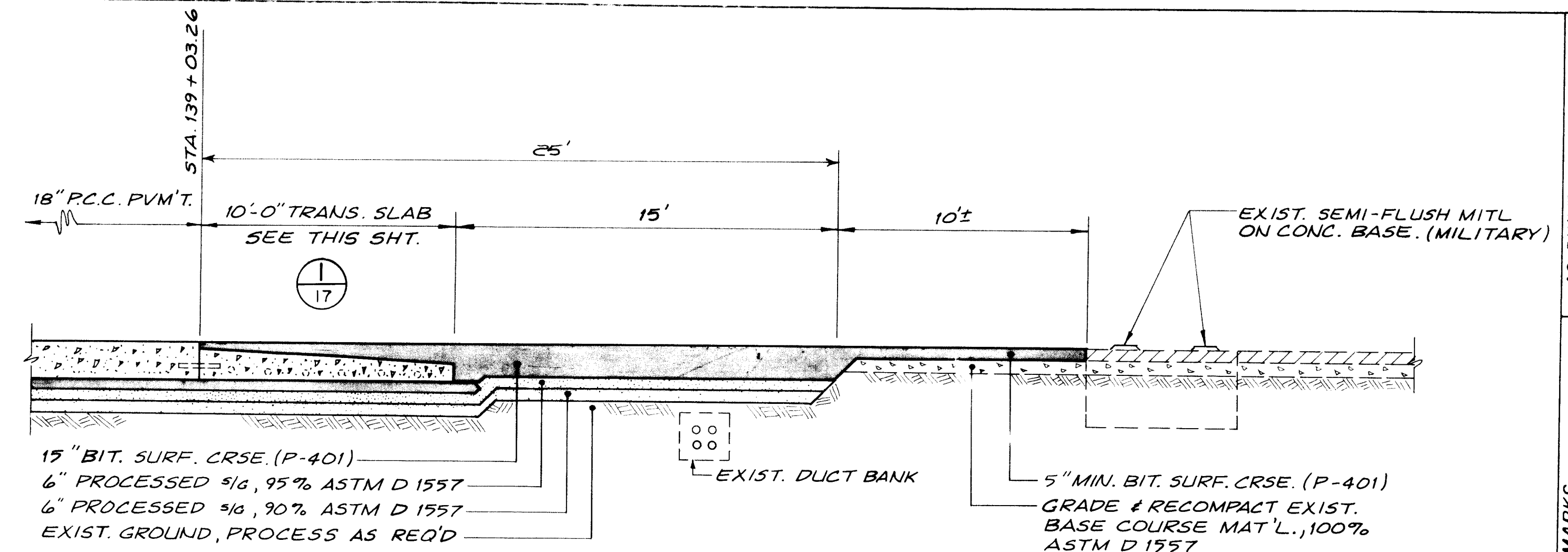
1 TRANSITION SLAB at NEW 18" P.C.C. PAVEMENT
STA. 131+53± & ALONG NORTH EDGE OF PVM'T.



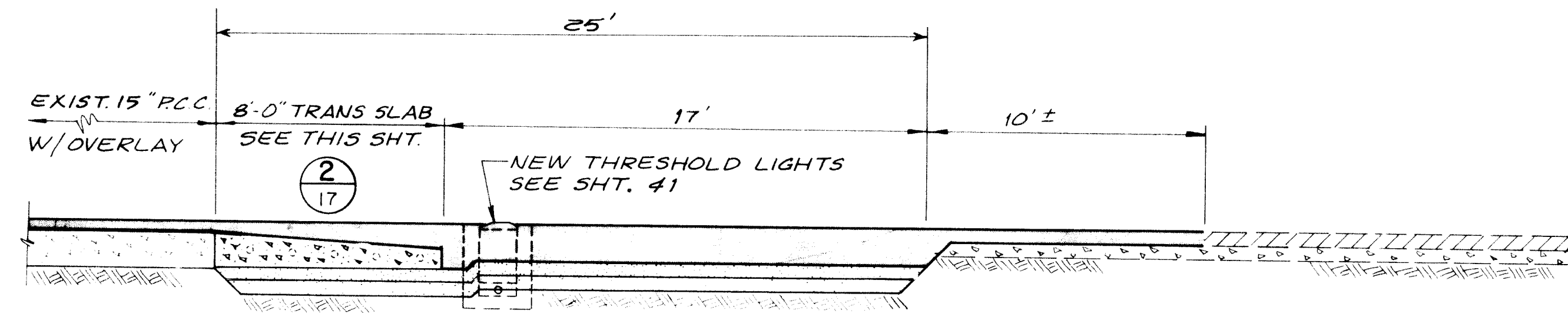
2 TRANSITION SLAB at EXIST. 15" P.C.C. PAVEMENT
STA. 131+53± (JOINT IN EXIST. PVM'T.)



3 TRANSITION SLAB at TAXIWAY T-8B

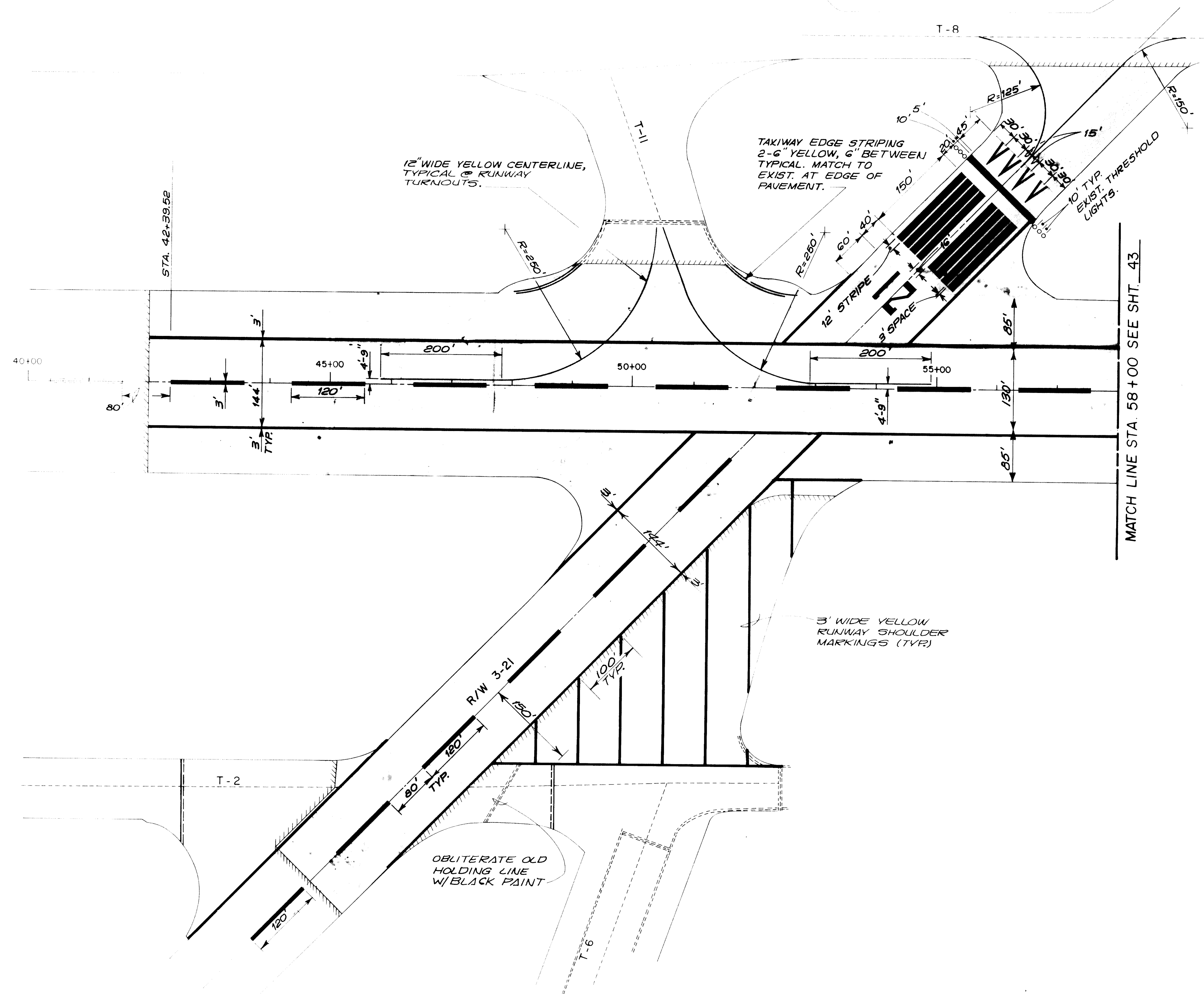
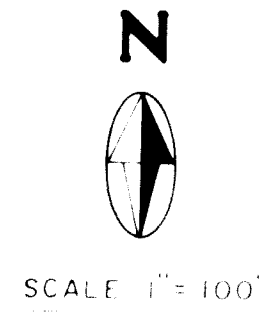


4 TRANSITION SLAB at NEW 18" P.C.C. PAVEMENT
STA. 139+03.26



5 TRANSITION SLAB at EXIST. 15" P.C.C. PAVEMENT
STA. 139+03.26

AS BUILT INFORMATION		
----------------------	--	--



NOTE:
SEE SHT. 44 FOR COLOR CODE
AND DIMENSIONS

26 1913 4284

RECORD DRAWING		
DATE: 11/28/83	BY: JHB	FROM:

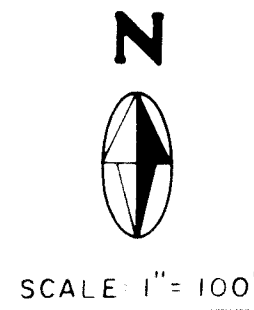
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: MARKING PLAN
STA. 40+00 TO STA. 58+00

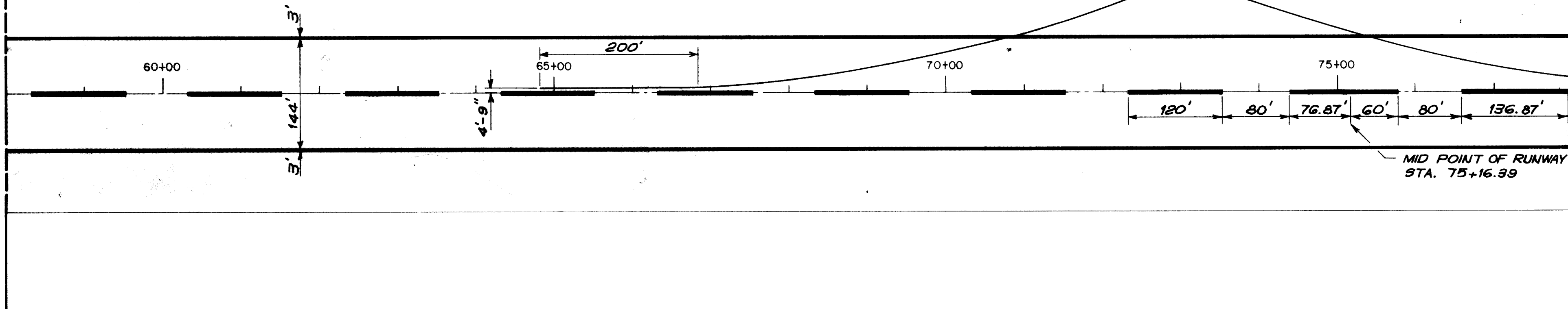
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E - Hydrology			Water		

DRAWING NO. 1913 MAP NO. M-16 & 17 N-16 & 17 SHEET 42 OF 45

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
NO.	DATE	NO.	DATE	NO.	BY			NO.	DATE	REMARKS	BY
MICRO-FILM INFORMATION											
NO.	DATE	NO.	DATE	NO.	DATE			NO.	DATE	REMARKS	BY

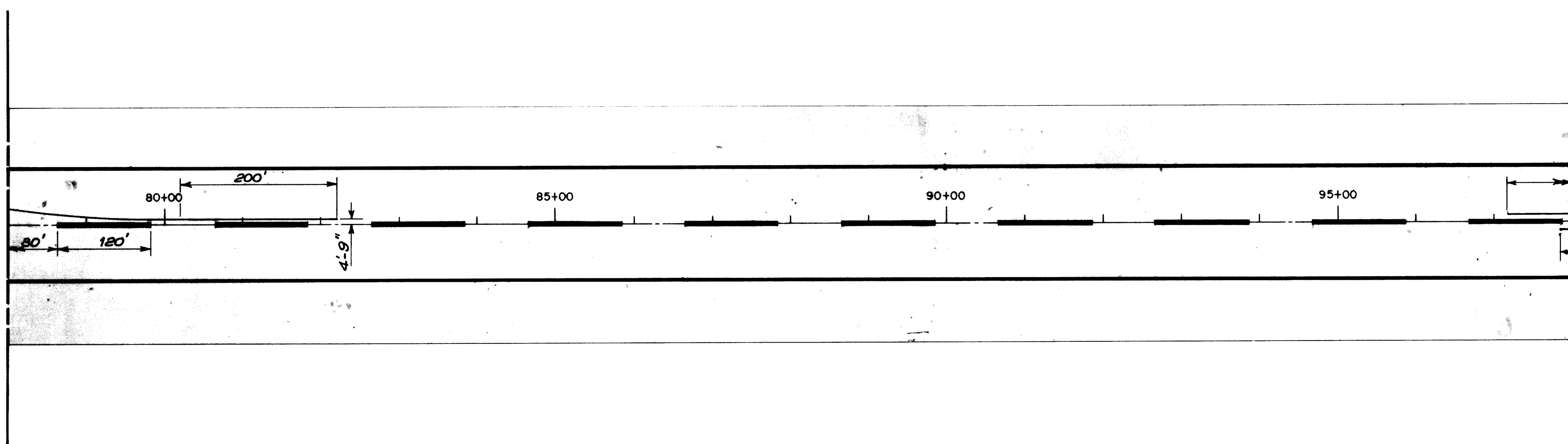


MATCH LINE STA. 58+00 SEE SHT. 42



MATCH LINE STA. 78+00 SEE THIS SHT.

MATCH LINE STA. 78+00 SEE THIS SHT.



MATCH LINE STA. 98+00 SEE SHT. 44

CURVE DATA T-12
P.I. STA. 75+31±, 4.75' LT.
Δ = 30°00'00"
D = 3°08'11"
T = 489.50'
L = 956.53'
R = 1826.84'

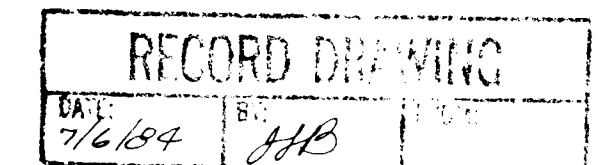
CURVE DATA T-12A
P.I. STA. 70+85±, 4.75' LT.
Δ = 30°00'00"
D = 3°08'11"
T = 489.50'
L = 956.53'
R = 1826.84'

12" WIDE YELLOW
CENTERLINE STRIPES.
MATCH ALIGNMENT
TO EXIST. STRIPES.

MID POINT OF RUNWAY
STA. 75+16.99

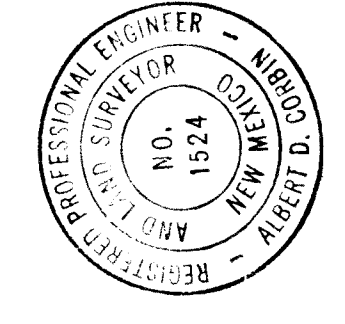
NOTE:
SEE SHT. 44 FOR COLOR CODE

26 1913 4384

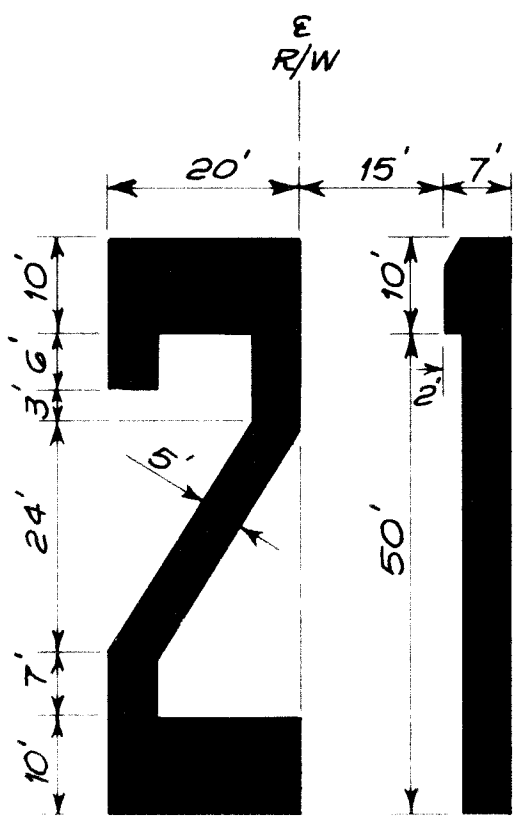
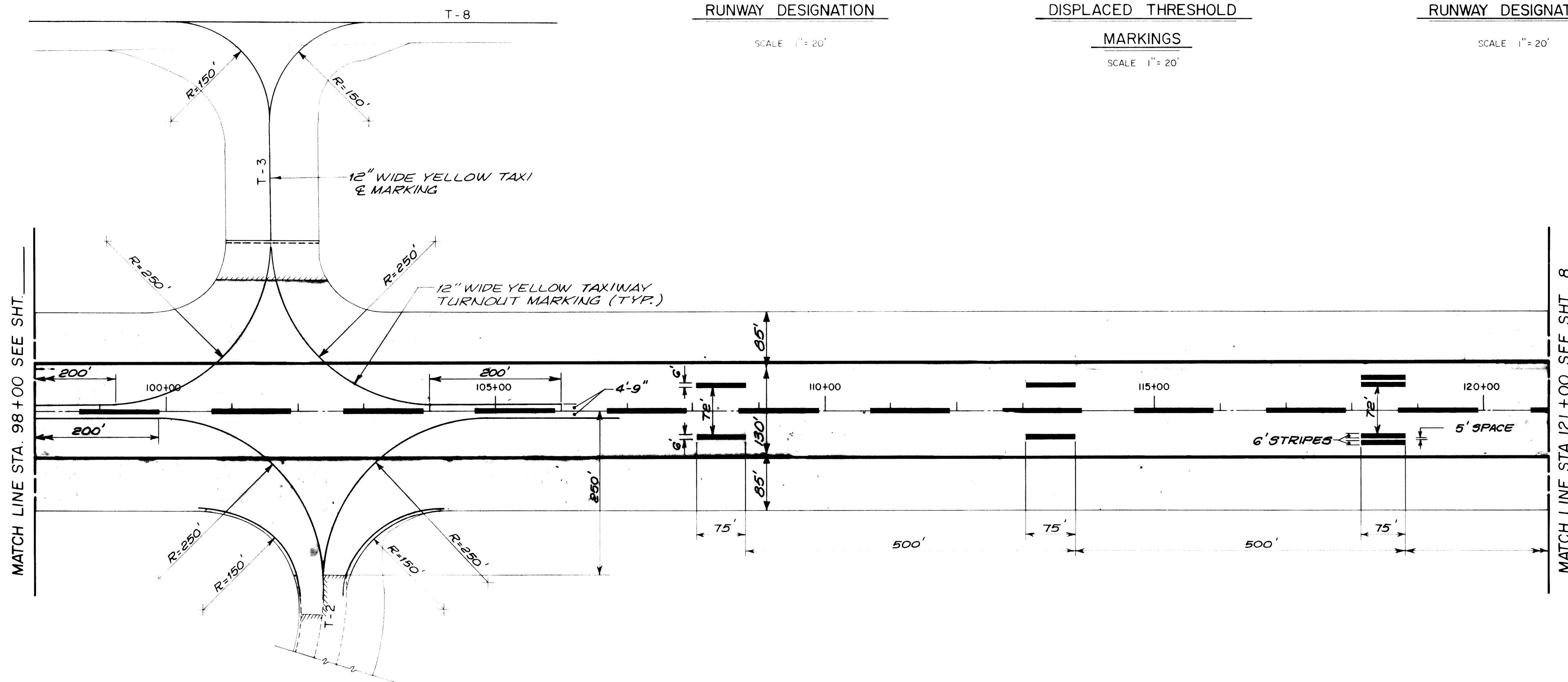
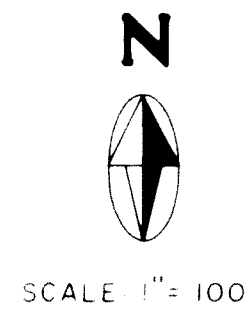


 CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: MARKING PLAN STA. 58+00 TO STA. 98+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E - Hydrology			Water		
DRAWING NO. 1913		MAP NO. M-17 N-17		SHEET 43 OF 45	

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES				CONTRACTOR	
NO.	BY	DATE		WORK BY	DATE
				INSPECTORS	DATE
				FIELD	DATE
				ADJUSTMENT BY	DATE
				DRAWINGS	DATE
				CORRECTED BY	DATE
				MICRO-FILM	DATE
				RECORDED BY	DATE
				NO.	

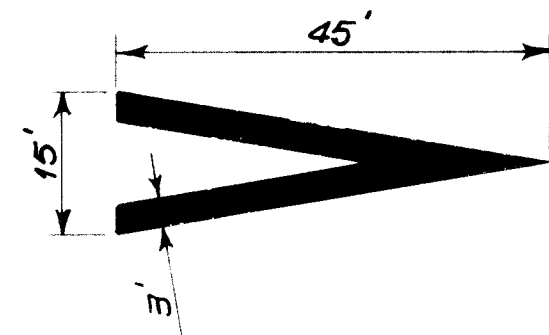


DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE



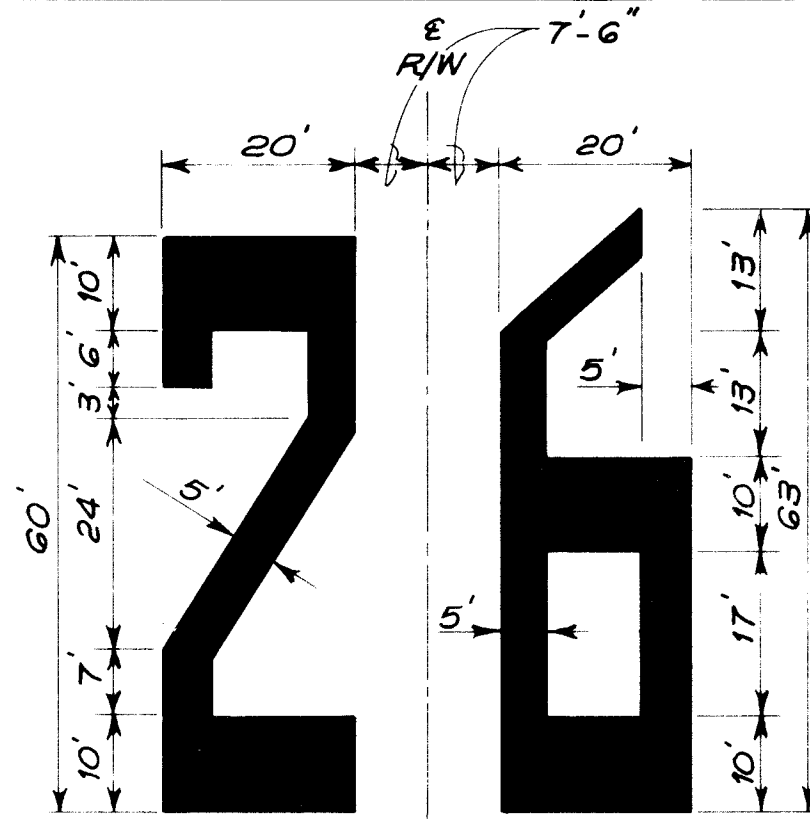
RUNWAY DESIGNATION

SCALE 1" = 20'



DISPLACED THRESHOLD MARKINGS

SCALE 1" = 20'



RUNWAY DESIGNATION

SCALE 1" = 20'

COLOR CODE

AVIATION YELLOW

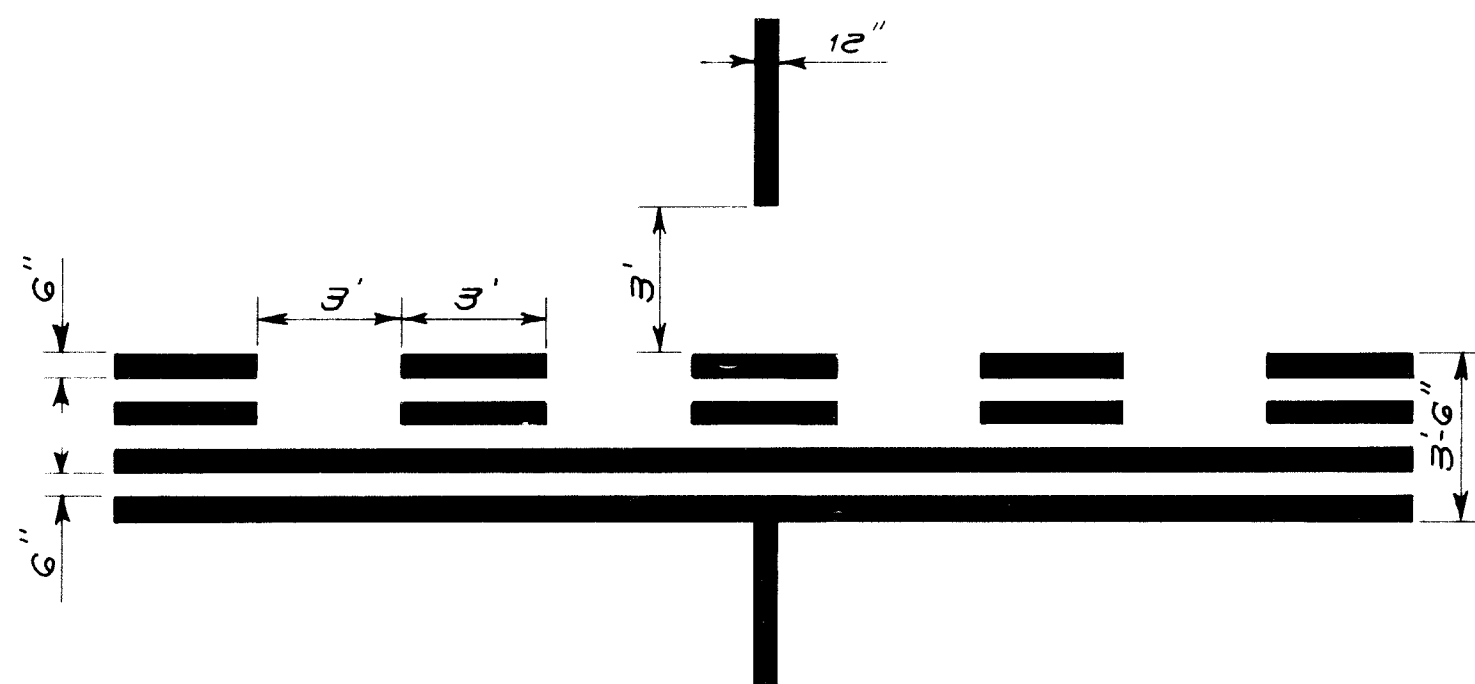
ALL TAXIWAY MARKINGS, DISPLACED THRESHOLD ARROWS, AND ALL DECEPTIVE, CLOSED, AND HAZARDOUS AREA MARKINGS.

AVIATION WHITE

ALL RUNWAY MARKINGS.

NOTES: ALL MARKINGS ON CONCRETE PAVEMENT SHALL BE PRIMED AND OUTLINED WITH A 6" BLACK BORDER.

ALL YELLOW AND WHITE MARKINGS SHALL HAVE GLASS REFLECTIVE BEADS.



HOLDING LINE MARKING

SCALE 1/4" = 1'-0"

26 1913 4464

RECORD DRAWING		
DATE: 11/6/84	BY: JLB	FROM:



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION



TITLE: MARKING PLAN
STA. 98+00 TO STA. 121+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E - Hydrology			Water		

DRAWING NO. 1913 MAP NO. M-17 & 18 N-17 & 18 SHEET 44 OF 45

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE		CONTRACTOR	DATE
				WORK <td></td>	

