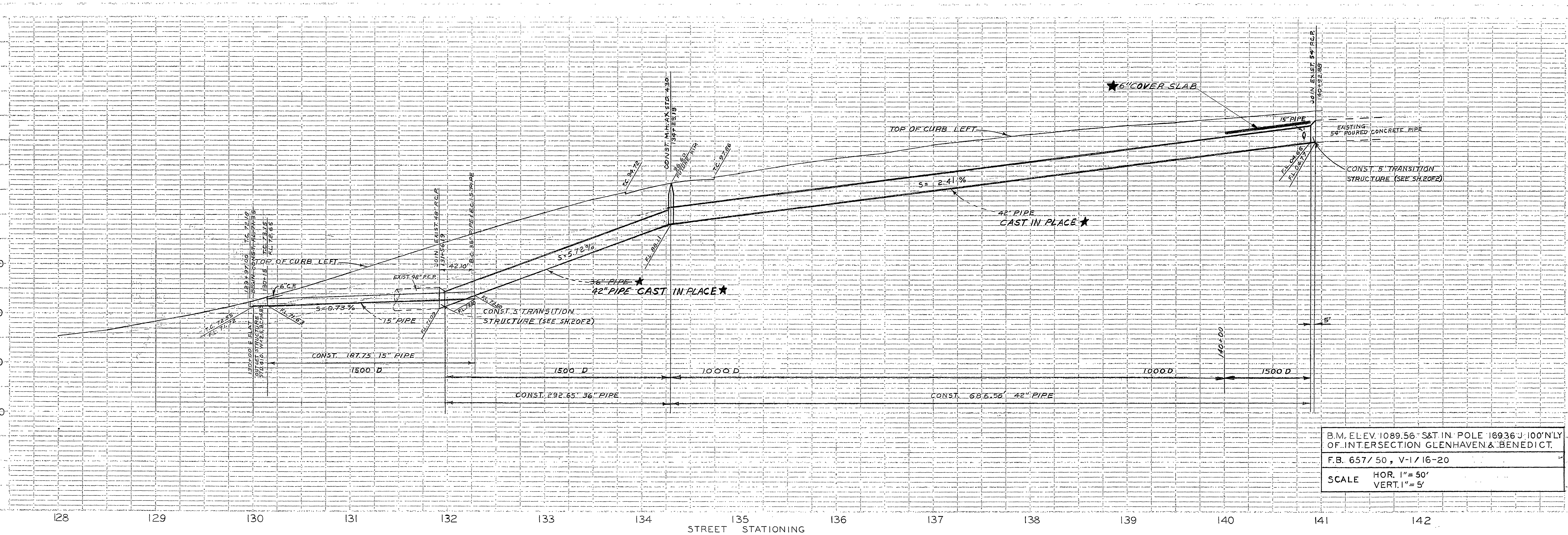
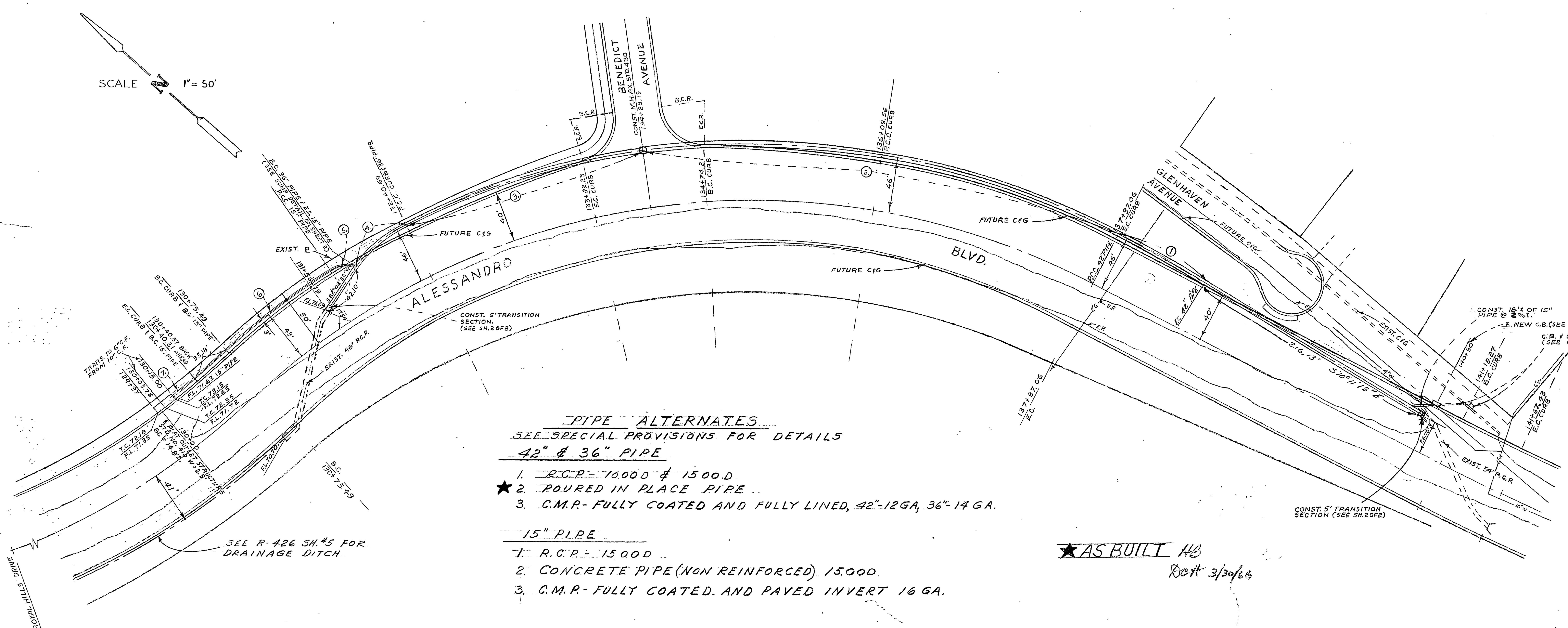




STORM DRAIN CURVE DATA

NO.	R	Δ	T	L	PIPE SIZE
1	978.29	4°40'58"	40.00	79.36	42"
2	646'	35°07'44"	204.48'	396.07'	
3	646'	18°00'00"	102.32'	202.95'	36"
4	100.59'	29°57'33"	26.91'	52.60'	
5	22.50'	52°03'41"	11.01'	20.48'	15"
6	643	9°37'46"	54.16'	108.07'	
7	557	2°28'13"	12.01'	24.02'	

PIPE ALTERNATES

SEE SPECIAL PROVISIONS FOR DETAILS

42" & 36" PIPE

1. ~~R.C.P. - 1000 D & 1500 D~~
★ 2. POURED IN PLACE PIPE
3. C.M.P. - FULLY COATED AND FULLY LINED, 42" - 12 GA, 36" - 14 GA.

15" PIPE

1. ~~R.C.P. - 1500 D~~
2. CONCRETE PIPE (NON REINFORCED) 1500 D
3. C.M.P. - FULLY COATED AND PAVED INVERT 16 GA.

★ AS BUILT HB
Dett 3/30/66

INDEXED MD

REVISIONS		
MARK	DATE	DESCRIPTION

ALESSANDRO BLVD.
STORM DRAIN

ROYAL HILLS DRIVE
TO
GLENHAVEN AVE.

11-15-61

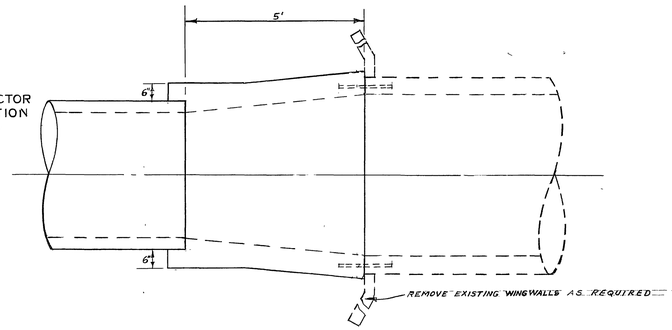
D-67

1 2

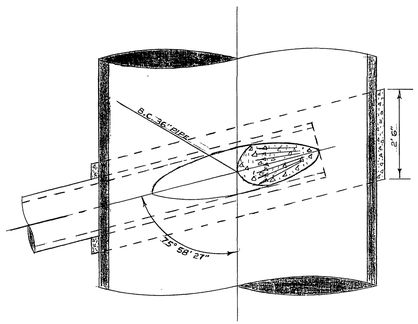
INDEXED

TRANSITION SECTION NOTES

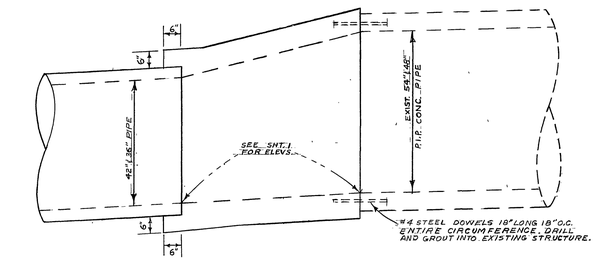
1. CONCRETE SHALL BE CLASS "A"
2. FLOOR OF STRUCTURE SHALL BE STEEL TROWELED TO SPRING LINE.
3. REINFORCING STEEL SHALL BE ROUND, DEFORMED, STRAIGHT BARS 1½" CLEAR FROM FACE OF CONCRETE.
4. TRANSITION STRUCTURE SHALL BE POURED IN ONE CONTINUOUS OPERATION EXCEPT THAT THE CONTRACTOR SHALL HAVE THE OPTION OF PLACING A CONSTRUCTION JOINT WITH LONGITUDINAL KEYWAY AT THE SPRING LINE.



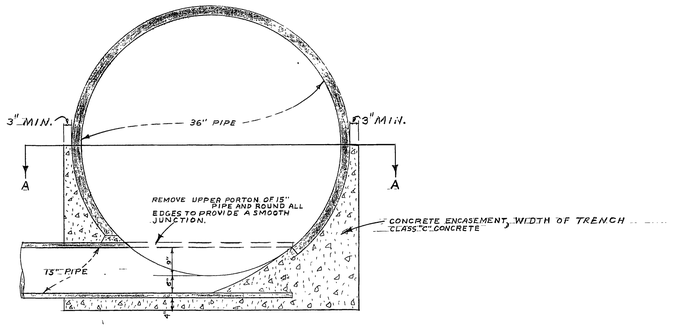
5' LONG TRANSITION SECTION
TOP VIEW



SECTION A—A

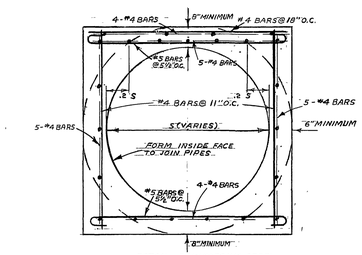


5' LONG TRANSITION SECTION
SIDE VIEW
SCALE 1"=2'



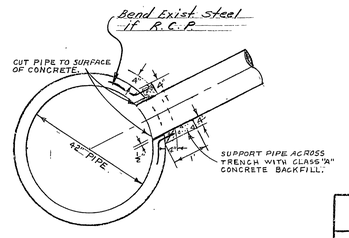
BLEEDER SUMP DETAIL

CONTRACTOR MAY USE A FORMED OR A PRECAST BLEEDER SUMP AT HIS OPTION. (TO BE APPROVED BY CITY ENGINEER.)



DETAIL REINFORCING STEEL FROM STATE OF CALIFORNIA STD. BOX CULVERT

5' LONG TRANSITION SECTION
SCALE 1"=2'



15" PIPE CONNECTION TO STORM DRAIN
SCALE 1"=2'

STA. 140 + 75 ±

REVISIONS			CITY OF RIVERSIDE CALIFORNIA DEPARTMENT OF PUBLIC WORKS
MARK	DATE	DESCRIPTION	ALESSANDRO BLVD. STORM DRAIN
			ROYAL HILLS DRIVE TO GLENHAVEN AVE.

DESIGNED BY cm / DRAWN BY ll	CHECKED BY cm / wdg / WDF	APPROVED BY [signature] DIRECTOR OF PUBLIC WORKS	D-67
RECOMMENDED BY [signature] ASSISTANT CITY ENGINEER		DATE 11-15-61	SHEET 2 OF 2

INDEXED