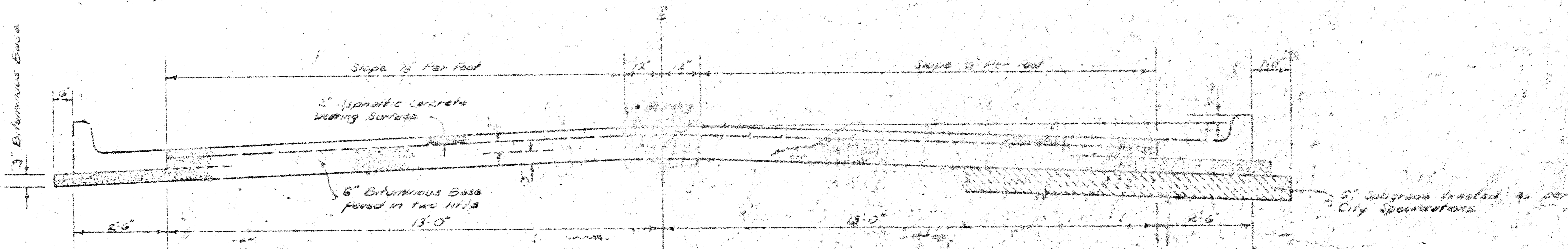


**BRANDYWINE ROAD**

W.L. LOT 1, BLK 2, WASHINGTON HEIGHTS 2ND TO W.L. BUNKER HILL DR.

PROJECT NO. \_\_\_\_\_ DAKS 577126

245 76 245 80617 000 000 001



**TYPICAL SECTION**

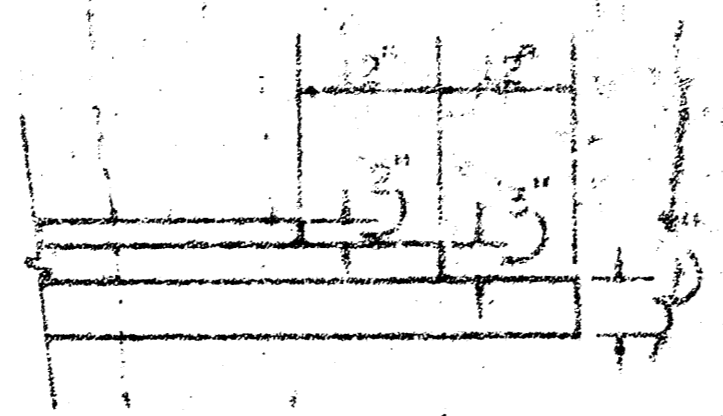
**3' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE**

*The A.C. pavement between the curb & gutter shall be paid as Sq. Yds. of A.C. Pavement (3' Bituminous Base). The Bituminous Base under the Curb & gutter shall be paid as Sq. Yds. 3' Bituminous Base.*

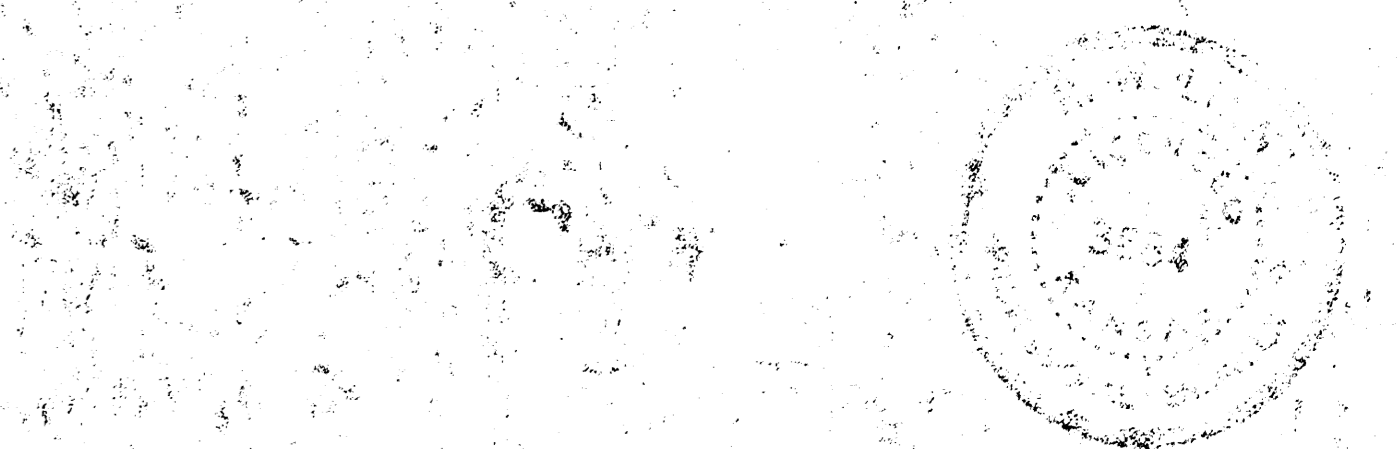
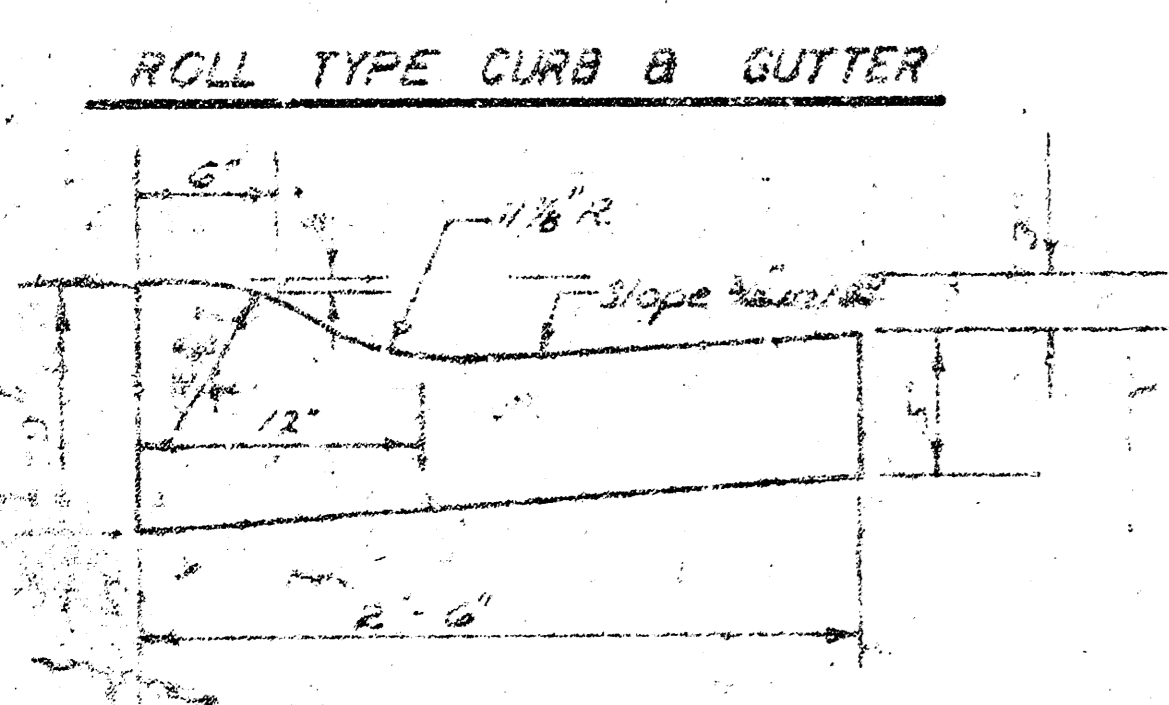
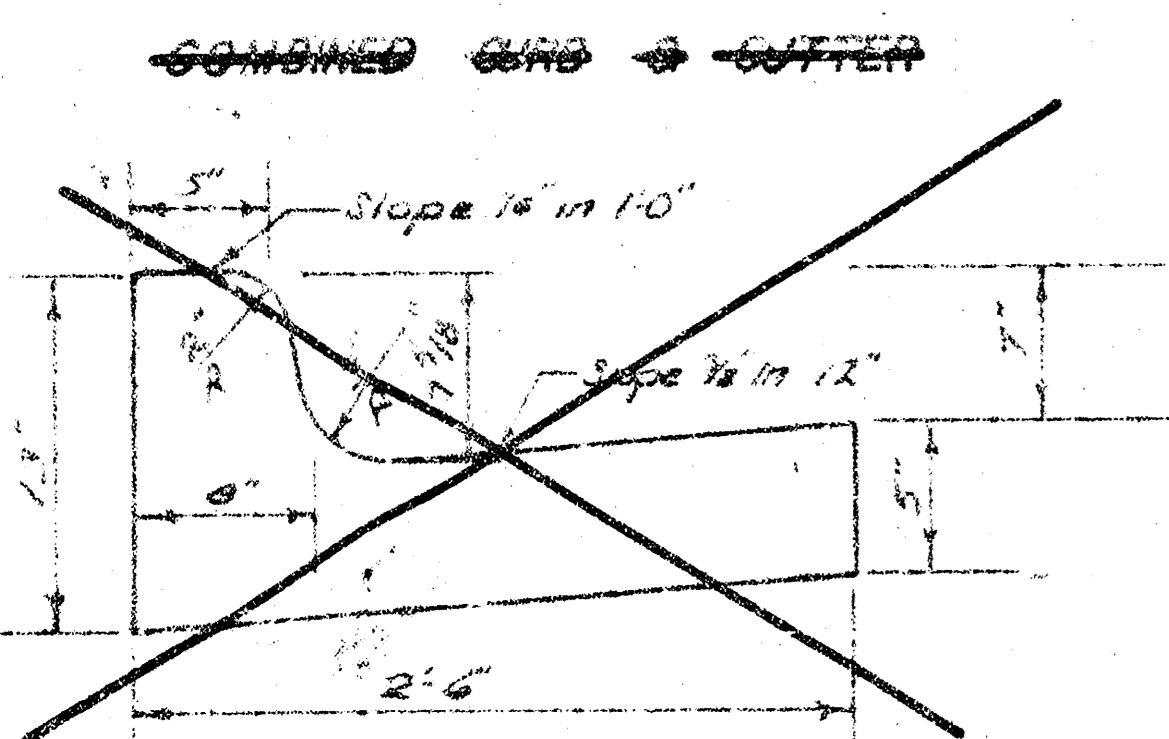
A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQ. YD. BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SECONDARY TO PRICE BID FOR ASPHALTIC PAVEMENT.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC ELECTRONIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.

**DETAIL OF TRANSVERSE CONSTRUCTION JOINTS**



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF ASPHALTIC CONCRETE PAVEMENT.

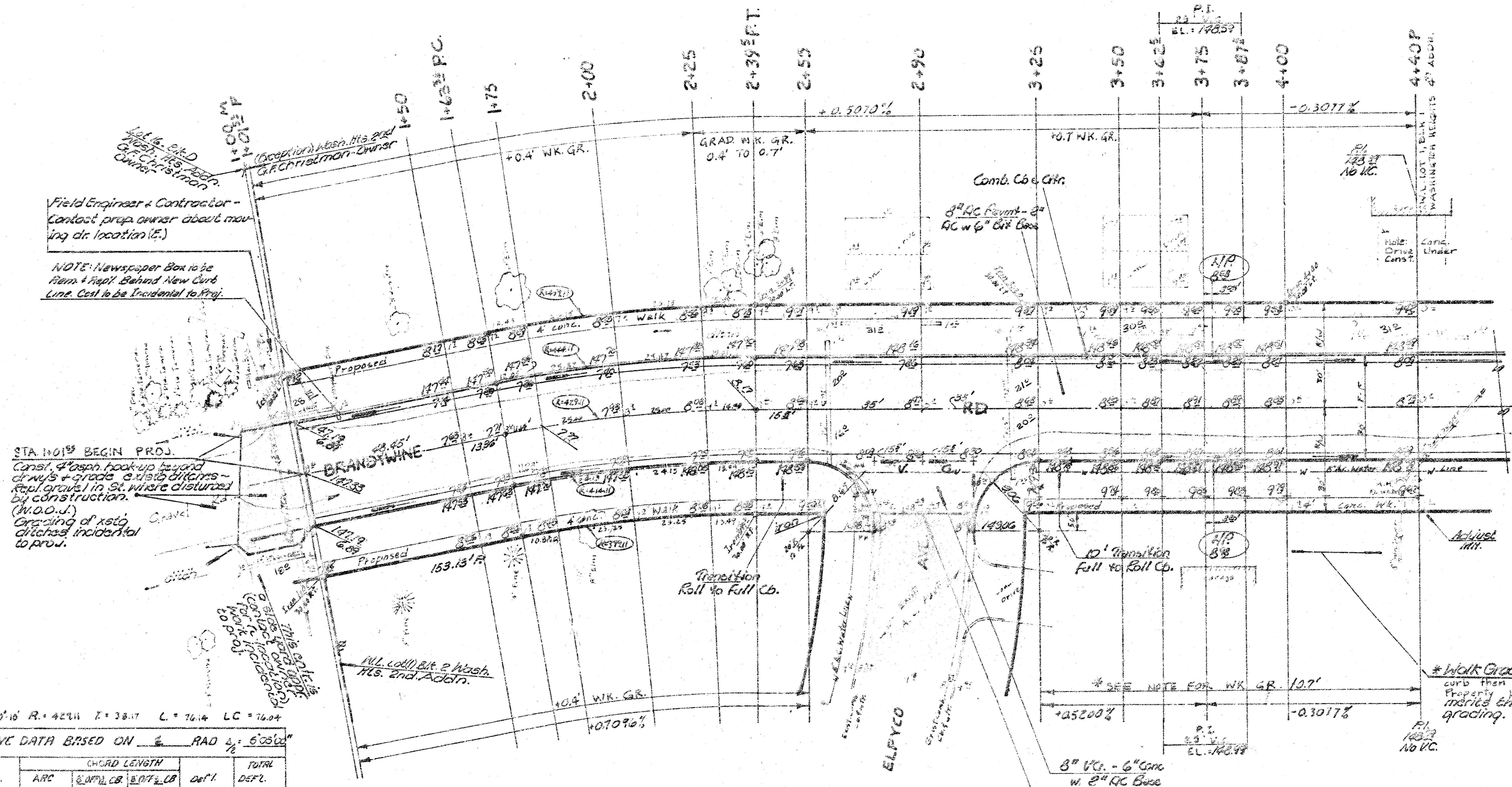
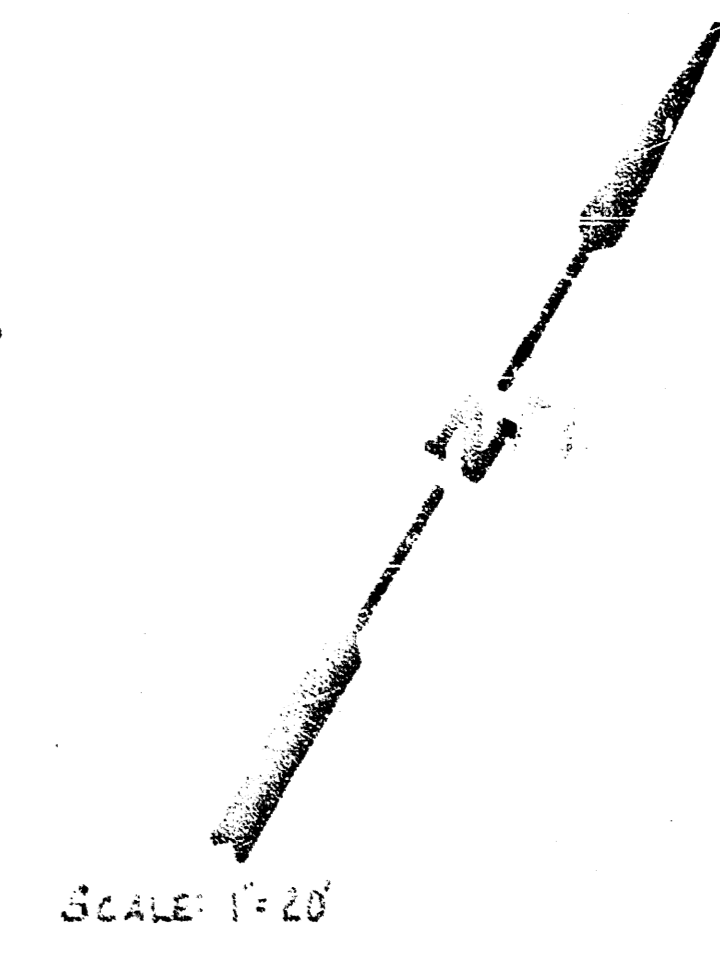


**CITY OF WICHITA, KANSAS**  
 DEPARTMENT OF PUBLIC WORKS — ENGINEERING  
 R. W. LINN CITY ENGINEER

DATE \_\_\_\_\_ PROJ. NO. **DAKS 577126**

B.M. = 144.30 ~ S.W. COR. BOTTOM STEP Hd. #3042 VALLEY FORGE.  
 B.M. = 148.78 ~ 8" TOP W. CB. ELPYCO 26.8 FT. S. OF S.L. BRANDYWINE.  
 B.M. = 149.13 ~ 8" TOP S. CB. PINECREST 26.2 FT. S. OF S.L. BRANDYWINE.

**ROLL CURB TO BE CONSTRUCTED ON THIS PROJECT.**  
 (Maintain Flow Line Elevations)



Field Engineer & Contractor -  
 Contact prop. owner about moving dr. location (E.)  
 NOTE: Newspaper Box to be Rem. & Repl. Behind New Curb Line. Cost to be Incidental to Proj.

STA 1+01<sup>00</sup> BEGIN PROJ.  
 Const. 4' deep hook-up beyond drain's + grade. 6' wide ditches - repl. gravel in St. where disturbed by construction.  
 (N.O.O.D.)  
 Grading of 1st ditch incidental to proj.

Δ = 110'10" R = 423.11 T = 38.17 L = 76.14 LC = 76.04  
 CURVE DATA BASED ON  $\frac{1}{2}$  RAD 4' 50.56"

STA.	ARC	CHORD LENGTH		Def'l.	TOTAL DEF'L.
		CHORD CB	CHORD LB		
1+63.50 P.C.	-	-	-	0' 00.00"	0' 00.00"
1+75	11.64	12.42	11.91	0' 04.38"	0' 04.38"
2+00	25.00	22.34	23.64	1' 00.00"	1' 00.00"
2+25	25.00	22.34	23.64	1' 00.00"	2' 00.00"
2+41.50 P.T.	14.50	13.12	13.12	0' 58.05"	2' 58.05"

Def'l = 400967/1in.17'

Base Line is E Brandywine Rd.  
 Transition Sections in Cb. & Ctr. shall be considered as Cf Roll Cb. for payment purposes.  
 Contractor to take risk and shall replace any 'irons' either moved or destroyed during construction.

**EARTHWORK**

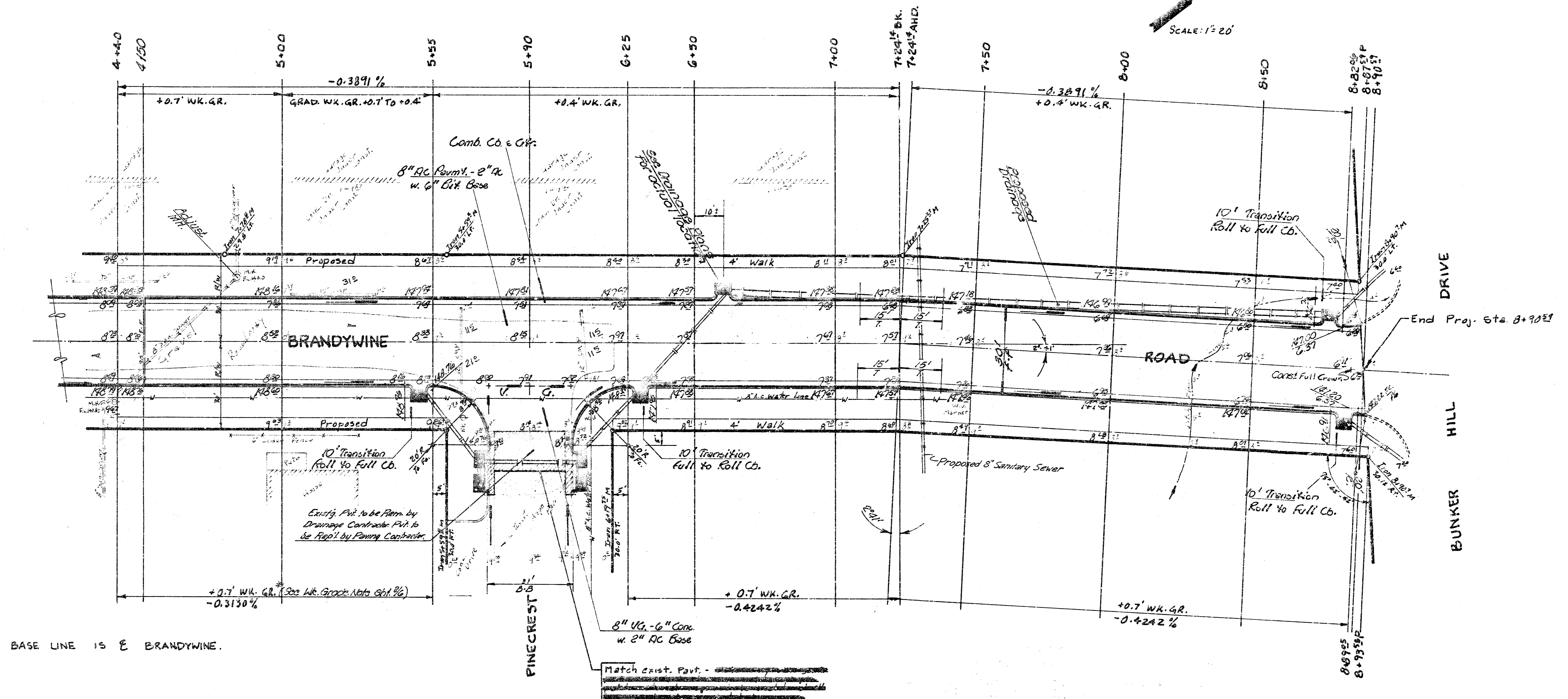
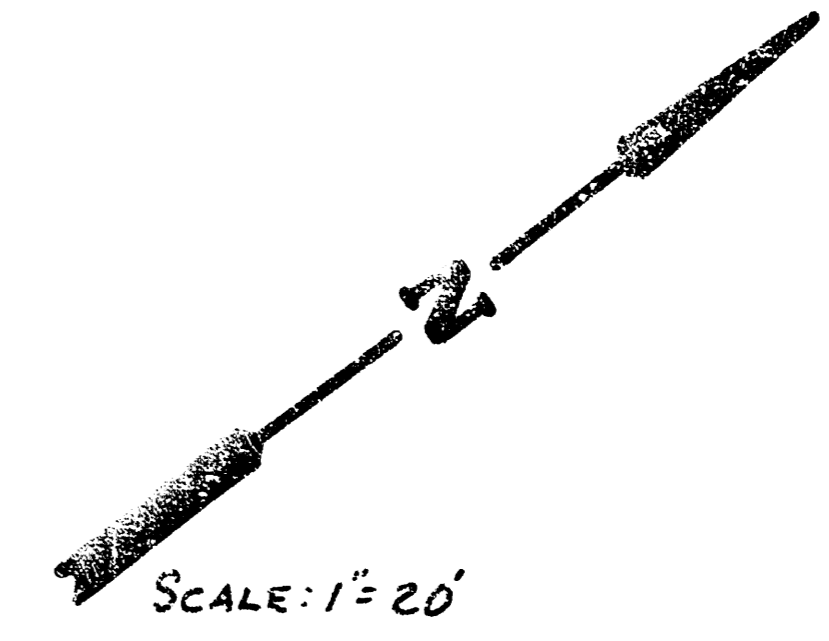
	Property	City
Excavation	1740.9	1582
+10%	174.1	158.2
Total	1915.0 C.Y.	1707.7 C.Y.
Comp. Fill	21.2	0.0
+10%	2.1	0.0
Total	23.3 C.Y.	0.0
Manipulation	2677.15 Y.	4018.5 Y.

\*Walk Grade Maximum slope for first 10 ft behind curb then slope to match exist. ground at Property Line. If other locations on this project merit this construction, Engr. has option to approve grading.

Match Exist Pavt.  
 Note: Any header removal, asph. removal, pavt. removal, saw joint or asph. patch material required to match exist. pavt. shall be considered incidental to proj.

**BRANDYWINE ROAD**  
 W.L. LOT 1, BLK. 2 WASHINGTON HEIGHTS 2<sup>ND</sup> TO W.C. Bunker Hill  
 472 76 245 80617 000 000 001  
 DRK557126

B.M. = 169.77 ~ R.R. SPIKE S. F. PP 70' W. OF W.L. BUNKER HILL & 34' N. OF E 31ST S.  
 B.M. = 149.13 ~ "a" TOP S. CB. PINCREST 26.2' S. OF S. L. BRANDYWINE.  
 B.M. = 148.78 ~ "b" TOP W. CB. ELPYCO 26.3' S. OF S. L. BRANDYWINE.



BASE LINE IS E BRANDYWINE.

NOTE TO FIELD ENGINEER & CONTRACTOR  
 Grade printing and clear right-of-way for proposed roadway, curbs, gut, sidewalk and to be constructed by "OTHERS".

GRADE  
 TYPE OF CURB & SIDEWALK SHALL BE DETERMINED BY THE FIELD ENGINEER OR SUB-GRANTEE. TREATMENT MAY CONSIST OF LAND FILL, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

**General Notes**

1. All Drainage by "Others"
2. Paving Contractor to Coordinate Construction with Drainage Contractor & San Sewer Contractor
3. All Returns are to be Full Height Curb Transitions are to be Built on Brandywine not on Side Streets.

**BRANDYWINE ROAD**

W.L. Lot 1, Blk 2, Washington Heights 2nd Addition TO W.L. BUNKER HILL DR.

DAKS 877166