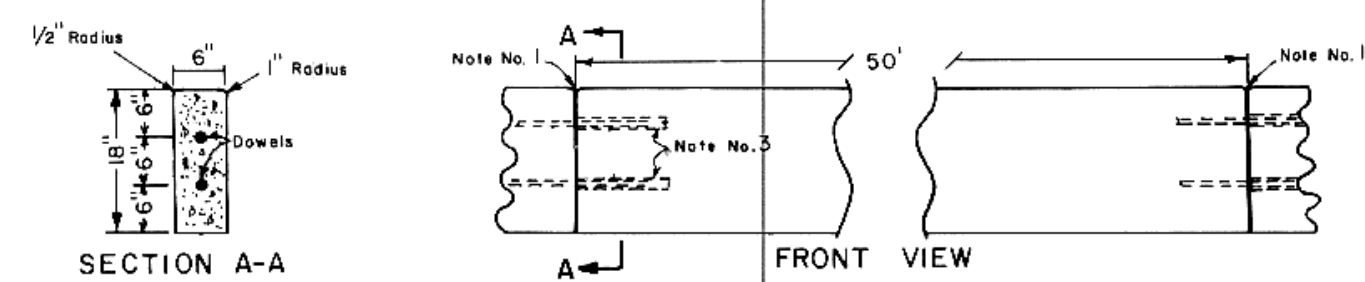
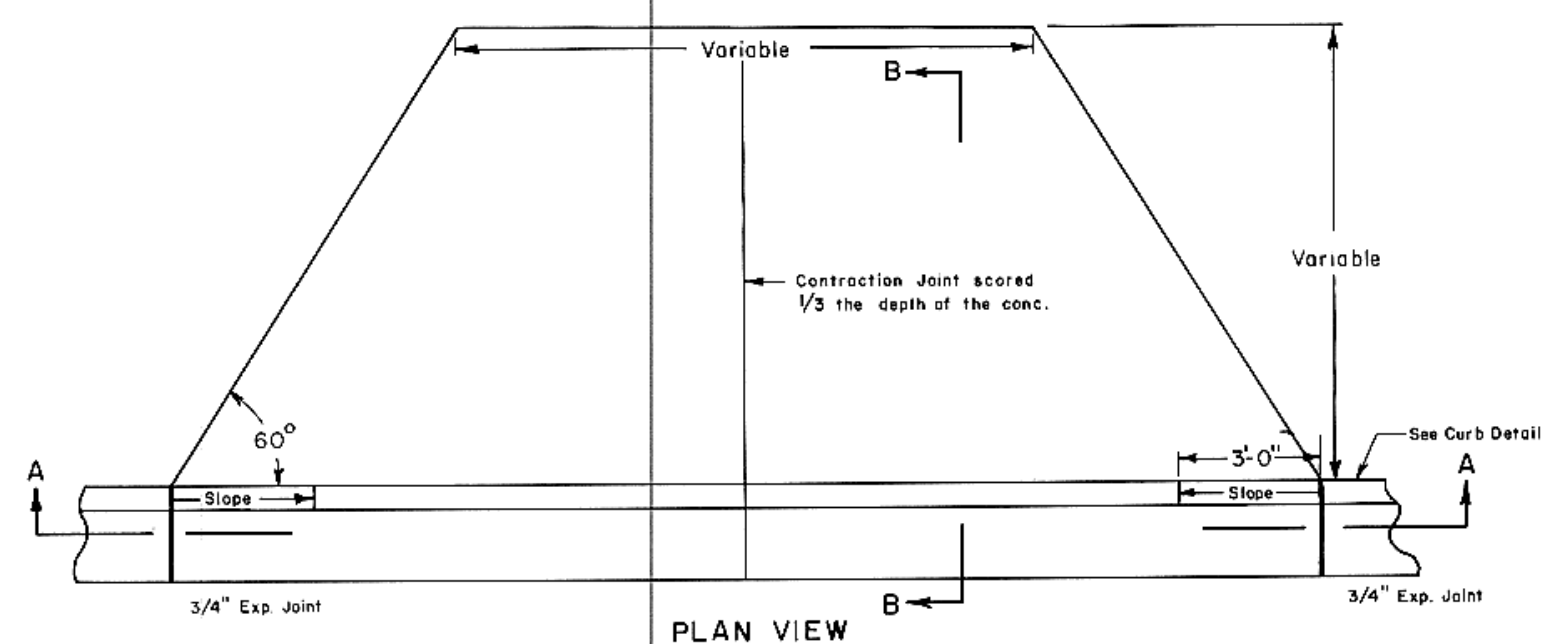


SCALE 1" = 2'-0"
TYPICAL CURB AND GUTTER DETAIL

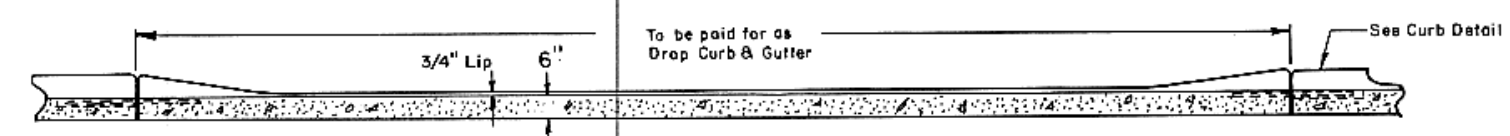


SCALE 1" = 2'-0"
TYPICAL HEADER CURB DETAIL

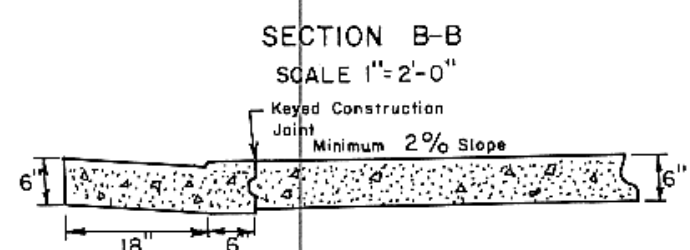
TYPICAL DROP CURB & DRIVEWAY DETAIL
SCALE 1" = 4'-0"



PLAN VIEW



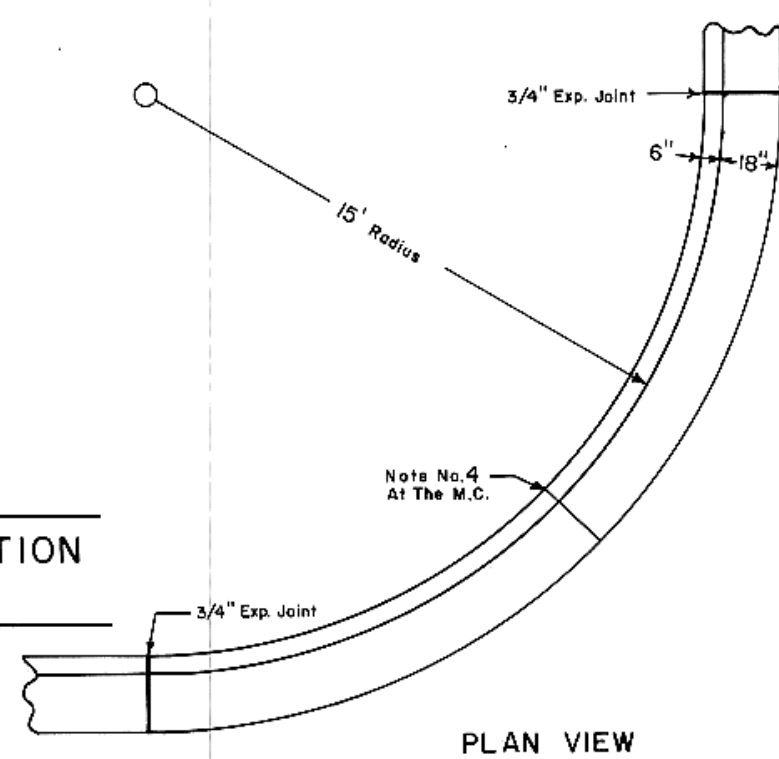
SECTION A-A



SECTION B-B
SCALE 1" = 2'-0"

NOTES

- 3/4" expansion joint with 3/4" X 24" smooth dowels and 16" paper tubes. Dowels shall be greased the full length. All paper tubes shall be plugged or crimped on open end. All joints shall be sealed.
- Maximum distance between expansion joints shall not exceed 50'.
- Dowels shall be supported by an approved support made of No. 7 AWG wire.
- Contraction joints shall be scored to a depth of 1 1/2" and shall be placed at 5' intervals along the curb and gutter.
- Minimum separation between adjacent reinforcing shall be 1".
- Outlet detail shown is for the structure to be constructed on the south side of the approach. The structure to be constructed on the north side will have a channel width and depth of half that shown. Rebar in the channel bed shall be spaced at 18" intervals and shall be placed 3" from above channel bed in the side walls.
- Standard Two Cable Guard Rail shall be installed where shown and shall conform to North Dakota State Highway Department Specifications, Standard Detail No. D-722-10.

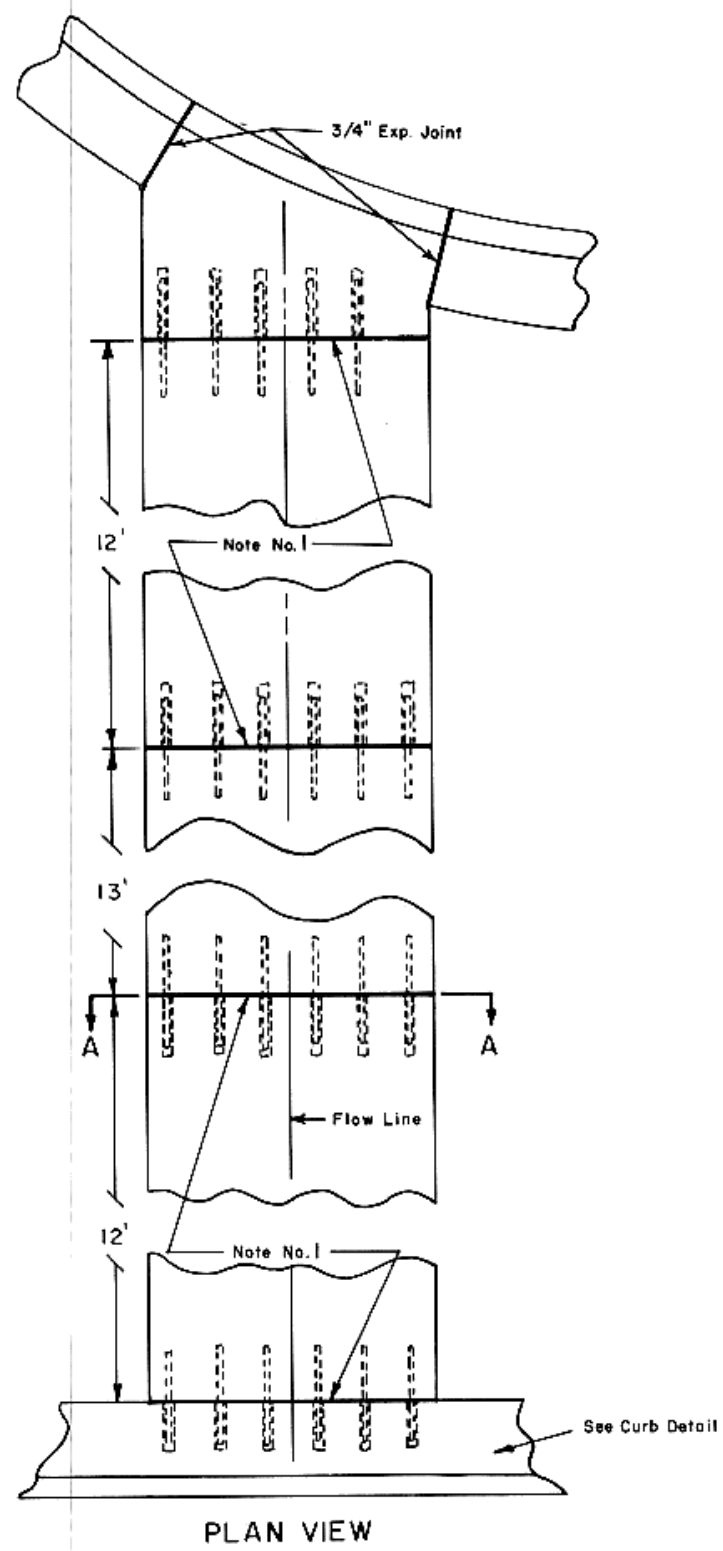


TYPICAL INTERSECTION CURVE DETAIL

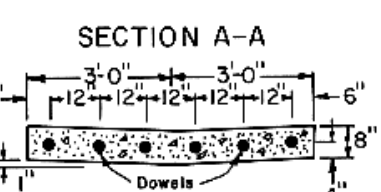
SCALE 1" = 5'-0"

TYPICAL VALLEY GUTTER DETAIL

SCALE 1" = 4'-0"



PLAN VIEW



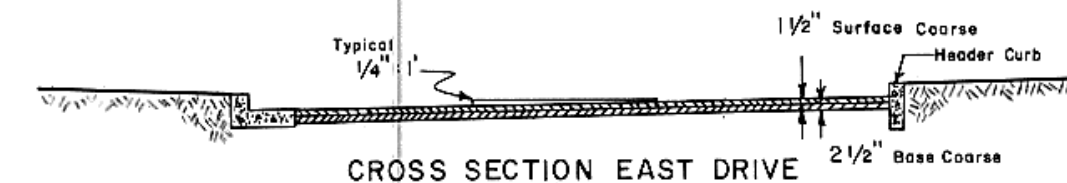
SECTION A-A

TOTAL QUANTITIES

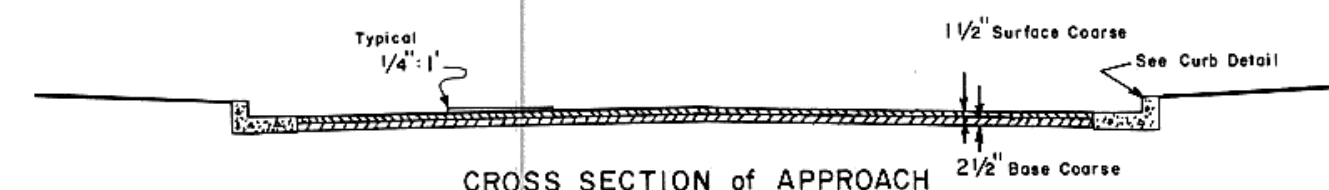
EMBANKMENT QUANTITY	2361 cu.yd.
EXCAVATION QUANTITY	19,598 cu.yd.
CURB & GUTTER QUANTITY	9327 LF
OUTLET STRUCTURES QUANTITY	1 LUMP SUM
DROP CURB QUANTITY	216 LF
DRIVEWAY QUANTITY	2160 sq.ft.
HEADER CURB QUANTITY	1030 LF
ASPHALT	
2 1/2" BASE COARSE BITUMINOUS MIXTURE QUANTITY	2505 tons
BITUMINOUS MIXTURE QUANTITY	30,056 gals
1/2" SURFACE COARSE BITUMINOUS MIXTURE QUANTITY	1610 tons
ASPHALT CEMENT QUANTITY	24,160 gals
TACK COAT QUANTITY	1950 gals
SEALER	
OIL QUANTITY	6433 gals
AGGREGATE QUANTITY	292 tons

TYPICAL PAVING DETAILS

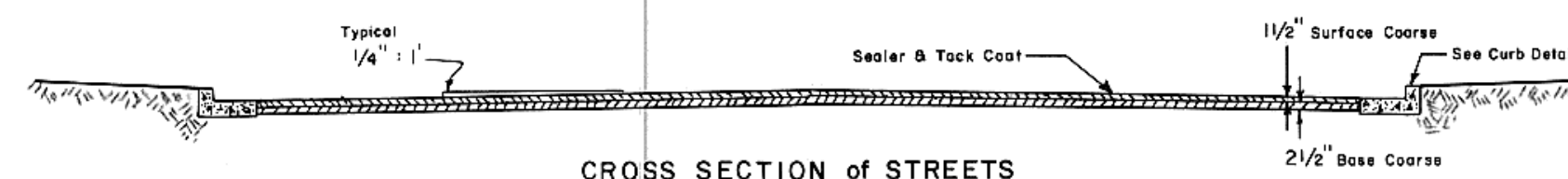
SCALE 1" = 6'-0"



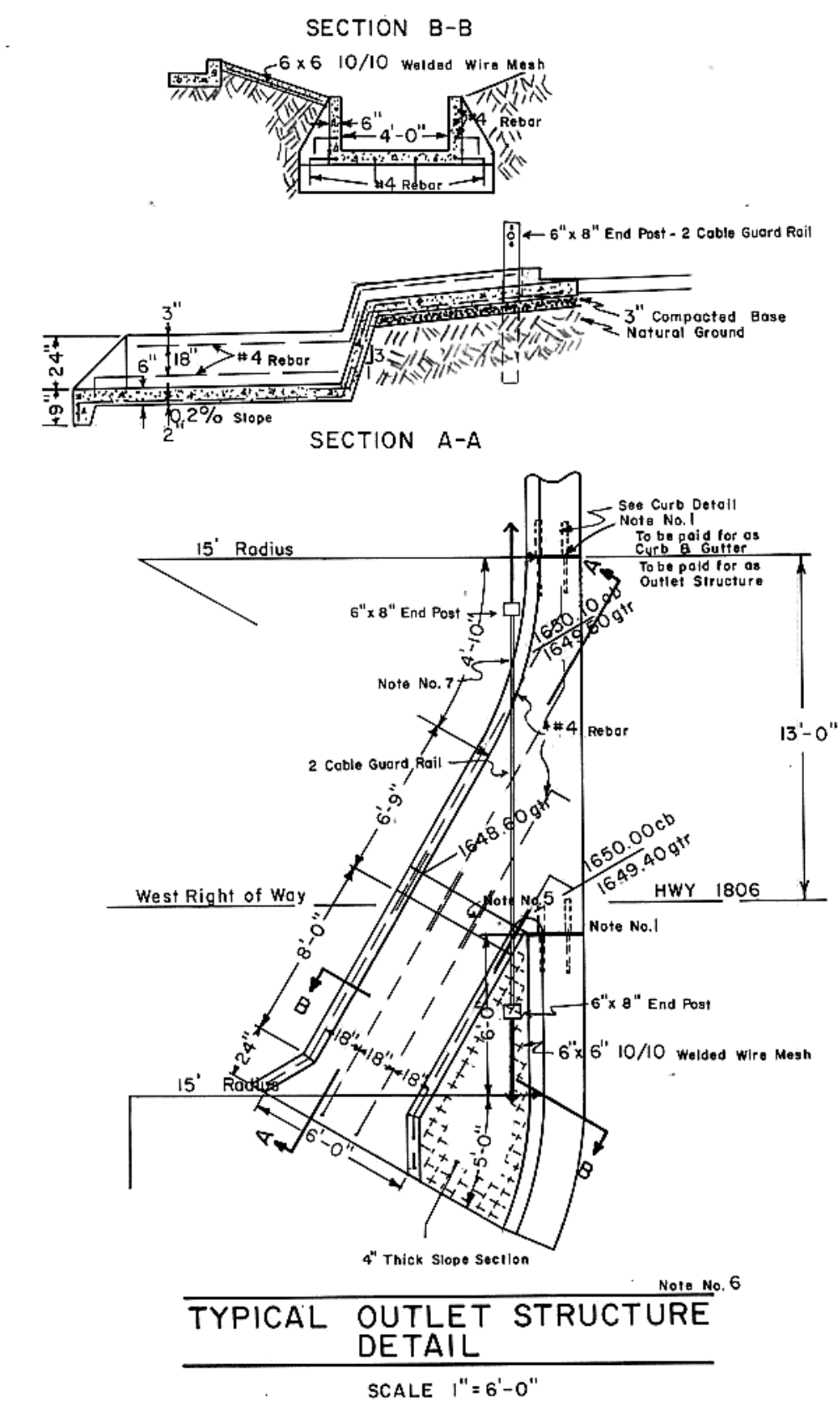
CROSS SECTION EAST DRIVE



CROSS SECTION OF APPROACH



CROSS SECTION OF STREETS



TYPICAL OUTLET STRUCTURE DETAIL

SCALE 1" = 6'-0"

RIPPEL'S SECOND SUBDIVISION	
DETAILS & QUANTITIES	
STREET IMPROVEMENT	
FEBRUARY, 1977	SCALE AS SHOWN
PREPARED BY SWENSON, HAGEN & CO.	