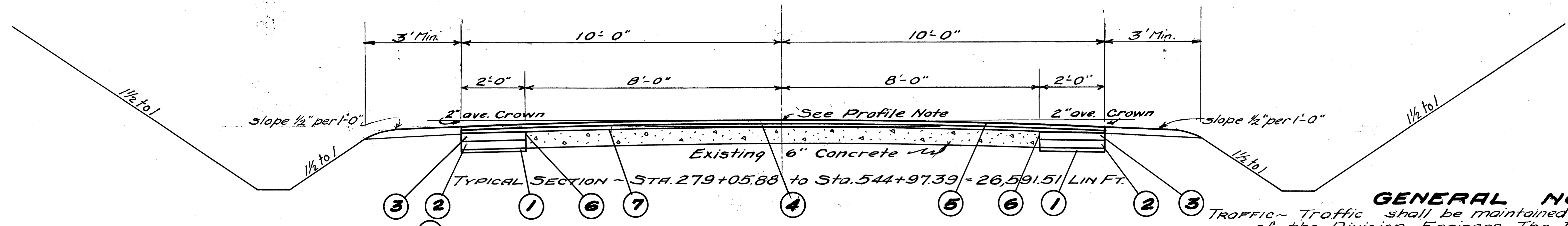


TYPE-T-35 TYPICAL SECTION

SCALE 1/2" = 1'-0"



PAVEMENT CALCULATIONS
 Begin Project - Sta. 219+05.88
 End Project - Sta. 544+97.39
 Gross Length 26,591.51 Lin. Ft.
 Additions or Deductions - None
 Net Length 26,591.51 Lin. Ft. or 5.036 Miles.

Item I-19, 1/4" Insulation Course
 (26,591.51 x 2 x 2) ÷ 9 = 11,818.45 Sq. Yds. Use 11,900 Sq. Yds.

Item B-35, Asphaltic Concrete Base Course (Laid in two 3" Courses)
 (26,591.51 x 2 x 2 x 5) ÷ 27 = 1,969.74 Cu. Yds. Use 2,000 Cu. Yds.

Item B-35, 3/4" Minimum Thickness Asphaltic Concrete Leveling Course
 (26,591.51 x 20 x .065) ÷ 27 = 1,280.33 Cu. Yds.
 Add 100 Cu. Yds. per mile for crown reduction, Extra Leveling etc.
 5.036 x 100 = 503.60 Cu. Yds.
 1,280.33 + 503.60 = 1,783.93 Cu. Yds. Use 1,800 Cu. Yds.

Item T-35, 1/4" Asphaltic Concrete Surface Course Type "A"
 (26,591.51 x 20 x .104) ÷ 27 = 2,048.53 Cu. Yds. Use 2,050 Cu. Yds.

Item E-10, Sealing (only) of Edge of Existing Pavement using Bituminous Material Sec. M-5.12 AE-3 at rate of .15 Gal. per sq. yd.
 (26,591.51 x 2) = 53,183.02 Lin. Ft. Use 53,200 Lin. Ft.

Item T-30, Bituminous Prime Coat using Bituminous Material Sec. M-5.12 AE-3 at rate of .15 Gal. per sq. yd. (over old pavement area) and Sand Cover, 4-7 lbs. per sq. yd.
 (26,591.51 x 16) ÷ 9 x .15 = 7,091.06 Gal. Use 7,100 Gal.

Item I-9, 8"x10" Stone Underdrain (French Drain) No 2
 Estimated 500 Lin. Ft. per mile
 (5.036 x 500) = 2,518.0 Lin. Ft. Use 2,550 Lin. Ft.

Item E-1, Roadway Excavation (Unclassified)
 Estimated Volume Use 2,500 Cu. Yds.

Item E-4, Borrow (Contractor to furnish)
 Estimated Volume Use 1,000 Cu. Yds.

- ① Item I-19, 1/4" Insulation Course.
- ② Item B-35, 3" Asphaltic Concrete 1st Base Course.
- ③ Item B-35, 3" Asphaltic Concrete 2nd Base Course.
- ④ Item B-35, 3/4" Minimum Thickness, Asphaltic Concrete Leveling Course.
- ⑤ Item T-35 1/4" Asphaltic Concrete Surface Course, Type "A".
- ⑥ Item E-10, Sealing (only) of Edge of Existing Pavement using Bituminous Material Sec. M-5.12 AE-3, at rate of .15 Gal. per sq. yd.
- ⑦ Item T-30, Bituminous Prime Coat using Bituminous Material Sec. M-5.12 AE-3 at rate of .15 Gal. per sq. yd. and Sand Cover, 4-7 lbs. per sq. yd., over area of existing pavement. (See Prime Coat Note)

GENERAL NOTES
 TRAFFIC - Traffic shall be maintained at all times to the satisfaction of the Division Engineer. The Item of maintaining shall include furnishing lights, signs, barricades, and watchmen necessary to secure the unimpeded flow of traffic twenty four (24) hours daily.

EMBANKMENT - Watering embankment and density requirements as referred to in Paragraph E-1.05 of the General Specifications, will not be required on this project.

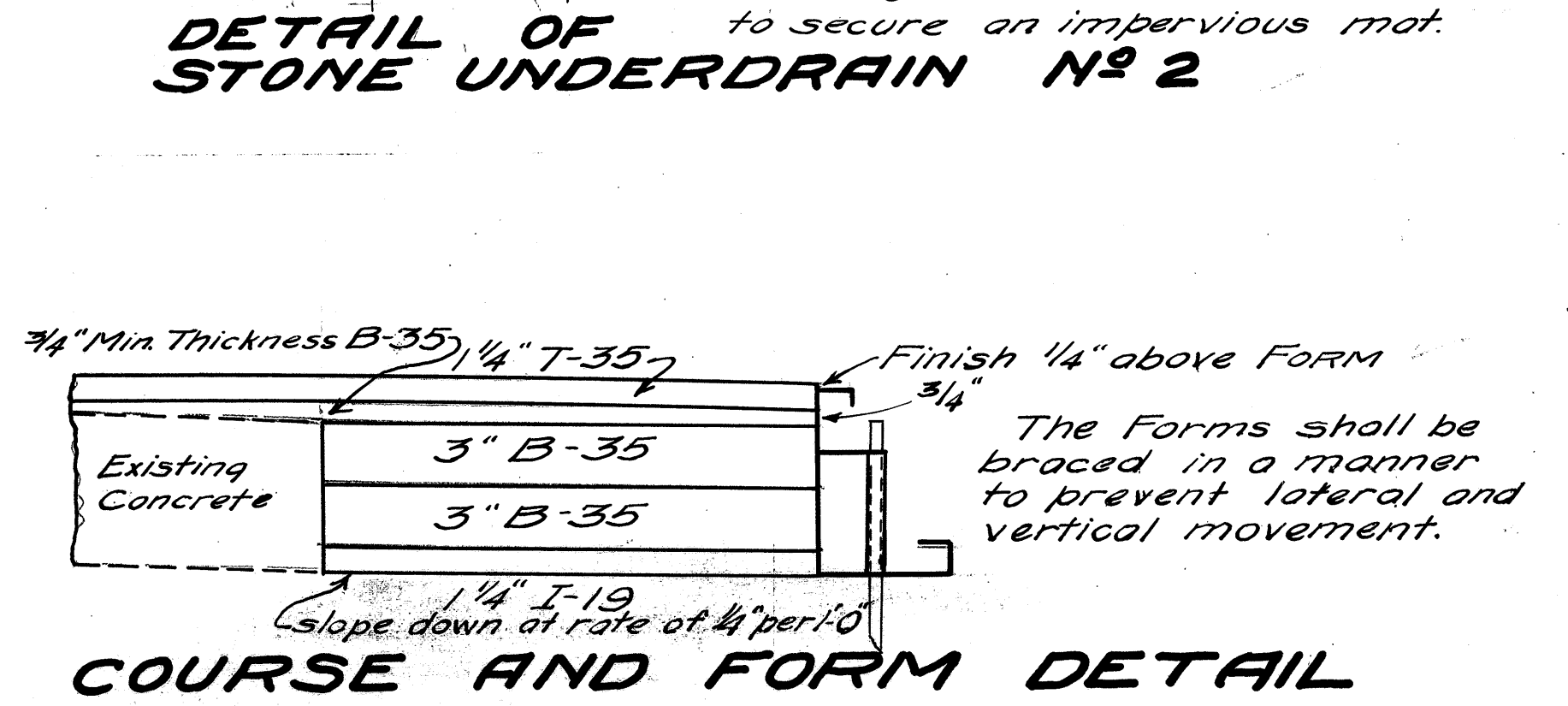
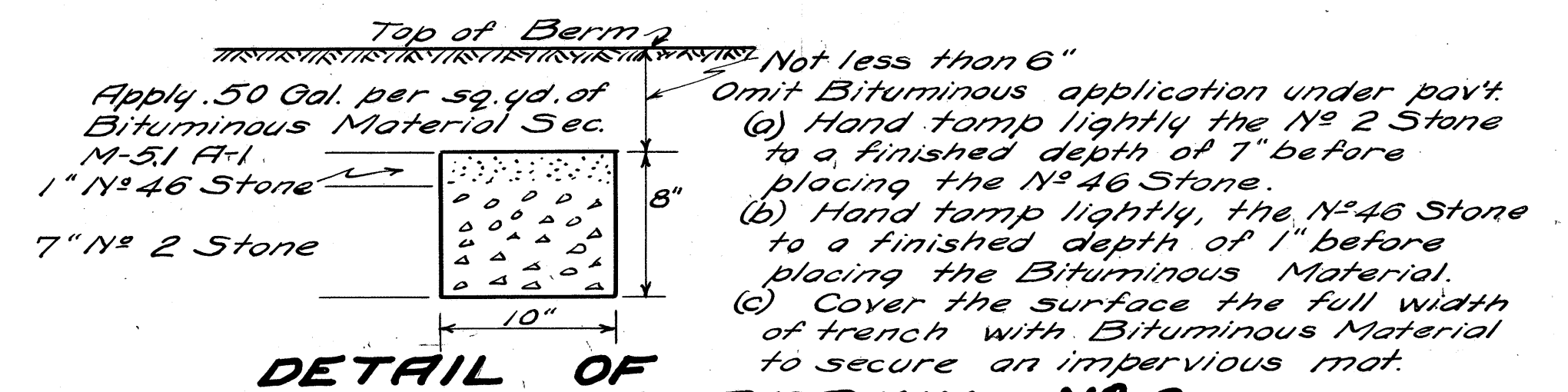
FORMS - Side forms, set to line and grade established. Engineer will be required.

EARTHWORK - All suitable material resulting from Roadway Excavation (Unclassified) together with the necessary Borrow shall be used to construct the Roadway Shoulder as indicated on the Typical Sections.

PRIME COAT - Bituminous Prime Coat, Item T-30, of Bituminous Material Sec. M-5.12 AE-3 applied by distributor or by brooms at the rate of .15 gal. per sq. yd. and sand cover uniformly spread at the rate of from 4 to 7 pounds per sq. yd. After the Bituminous Material is applied, all material not required to give a uniform coating to the surface shall be swept into all cracks and open joints before the sand cover is placed. Payment for sand cover is included in price bid per gallon for bituminous material.

PROFILE - The Profile of the Asphaltic Concrete Surface Course shall be approximately 2" above that of the existing pavement.

PAVEMENT - The designed depths of the Bituminous Concrete courses shown on the plans are subject to adjustment according to the ratio of volume to weight as indicated in the Specification for the Item.



GENERAL SUMMARY		
ITEM	DESCRIPTION	TOTAL QUANTITY
E-1	Roadway Excavation (Unclassified)	2,500 Cu. Yds.
E-4	Borrow (Contractor to furnish)	1,000 Cu. Yds.
I-9	8"x10" Stone Underdrain (French Drain) No 2	2,550 Lin. Ft.
E-10	Sealing (only) of Edge of Existing Pavement	53,200 Lin. Ft.
Pavement		
I-19	1/4" Insulation Course	11,900 Sq. Yds.
B-35	Asphaltic Concrete Base Course (Laid in two courses)	2,000 Cu. Yds.
B-35	3/4" Minimum Thickness, Asphaltic Concrete Leveling Course	1,800 Cu. Yds.
T-35	1/4" Asphaltic Concrete Surface Course, Type "A"	2,050 Cu. Yds.
T-30	Bituminous Prime Coat, Sec. M-5.12 AE-3	7,100 Gal.

Maintaining traffic including lights, signs, barricades, and watchmen twenty four (24) hour service. (As per plan) Lump Sum