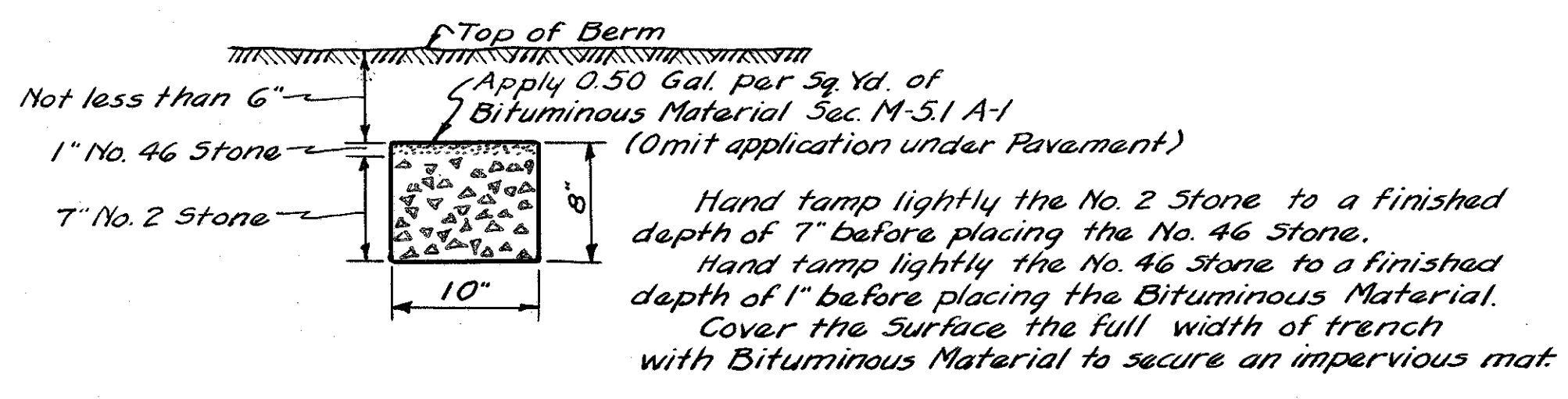


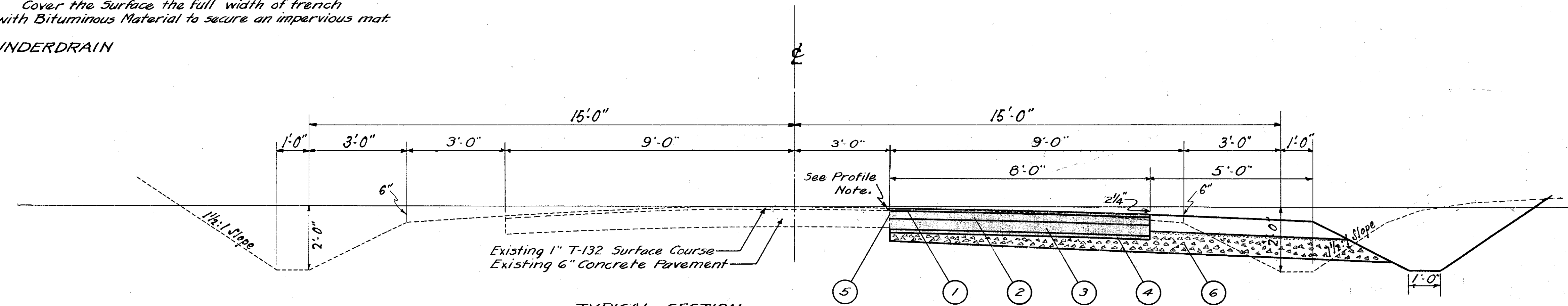
TYPICAL SECTION

TYPE T-35

Scale 1/2" = 1'-0"

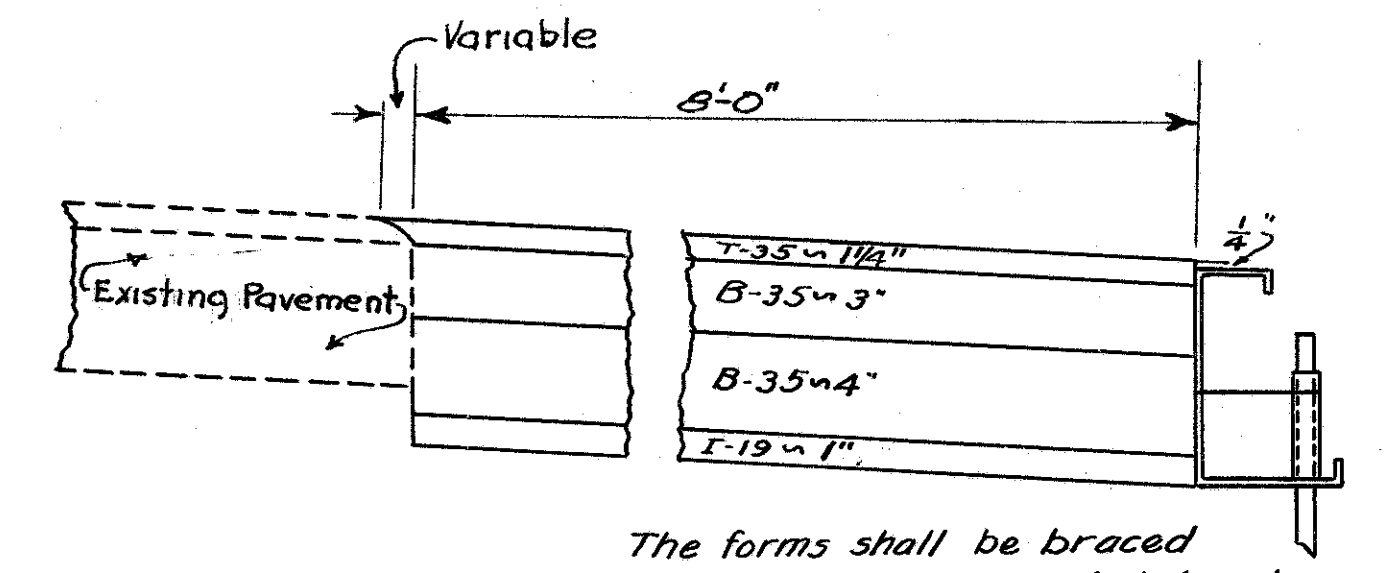


DETAIL OF NO. 2 STONE UNDERDRAIN



TYPICAL SECTION
 Sec. E. - Sta. 0+00 to Sta. 116+86 = 11,686 Lin. Ft.
 Sec. F. - Sta. 0+00 to Sta. 71+14.19 = 7,114.19 Lin. Ft.
 Total = 18,800.19 Lin. Ft.

- ① T-35 1/4" Asphaltic Concrete Surface Course, Type "A".
- ② B-35 3" Asphaltic Concrete 2nd Base Course.
- ③ B-35 4" Asphaltic Concrete 1st Base Course.
- ④ I-19 1" Insulation Course.
- ⑤ E-10 Sealing (only) of edge of existing pavement using Bituminous Material M-5.12 A.E-3 at rate of .15 Gal. per Sq. Yd.
- ⑥ I-9 Stone Underdrain (French Drain) No. 2



The forms shall be braced in a manner to prevent lateral and vertical movement.

FORM AND COURSE DETAIL

PAVEMENT CALCULATIONS

Length of Pavement
 Sec. E, Sta. 0+00 to Sta. 116+86 = 11,686.00 Lin. Ft.
 Sec. F, Sta. 0+00 to Sta. 71+14.19 = 7,114.19 Lin. Ft.
 Gross Length of Project = 18,800.19 Lin. Ft.
 No additions or deductions
 Total Net Length of Project = 18,800.19 Lin. Ft. or 3.560 Miles

Area of Widening
 Width of Widening = 8.0 Ft., (18,800.19 x 8) ÷ 9 = 16,711.28 Sq. Yds.

E-1 Roadway Excavation (Unclassified) - Estimated Volume = 5000 Cu. Yds.

E-4 Borrow (Contractor to Furnish)
 (Embankment + 22%) - Estimated Volume = 6000 Cu. Yds.
 (6000 - 5000 = 1000 Cu. Yds.) Use 1,000 Cu. Yds.

E-10 Sealing (only) of edge of existing pavement using Bituminous Material Sec. M-5.12 A.E-3 applied at the rate .15 Gal. per Sq. Yd.
 Length of Project = 18,800.19 Lin. Ft. Use 18,810 Lin. Ft.

I-9 Stone Underdrain (French Drain) No. 2
 Estimated amount required = 500 Lin. Ft. per mile
 (500 x 3.560) = 1,780 Lin. Ft. Use 1,800 Lin. Ft.

I-19 1" Insulation Course
 Same as Area of Widening = 16,711.28 Sq. Yds. Use 16,800 Sq. Yds.

B-35 7" Asphaltic Concrete Base Course (Laid in 2 Courses)
 (16,711.28 x 7) ÷ 36 = 3249.4 Cu. Yds. Use 3,300 Cu. Yds.

T-35 1/4" Asphaltic Concrete Surface Course, Type "A"
 (16,711.28 x 1.25) ÷ 36 = 580.2 Cu. Yds.
 Add 20 Cu. Yds. for overlapping on edge of existing pavement
 (580.2 + 20) = 600.2 Cu. Yds. Use 600 Cu. Yds.

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.
- Earthwork - All suitable material resulting from Roadway Excavation (Unclassified), together with the necessary Borrow, shall be used to construct the Roadway Shoulders, as indicated on the Typical Section.
- 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 Specifications for the item.
- Forms - Side Forms, set to line and grade established by Engineer, will be required.
- Profile - The left-side edge elevation of the pavement widening shall approximate the elevation of the right-side edge of the existing pavement.

GENERAL SUMMARY

Item	Description	Quantity	Unit
Roadway			
E-1	Roadway Excavation (Unclassified)	5000	Cu. Yds.
E-4	Borrow (Contractor to Furnish)	1,000	Cu. Yds.
E-10	Sealing (only) of Edge of Existing Pavement	18810	Lin. Ft.
I-9	8"x10" Stone Underdrain (French Drain) No. 2	1,800	Lin. Ft.
Pavement			
I-19	1" Insulation Course	16800	Sq. Yds.
B-35	Asphaltic Concrete Base Course (Laid in two Courses)	3,300	Cu. Yds.
T-35	1/4" Asphaltic Concrete Surface Course, Type "A"	600	Cu. Yds.
	Maintaining traffic, including lights, signs, barricades and watchmen, twenty-four (24) hour service (As per plan)	Lump	Sum