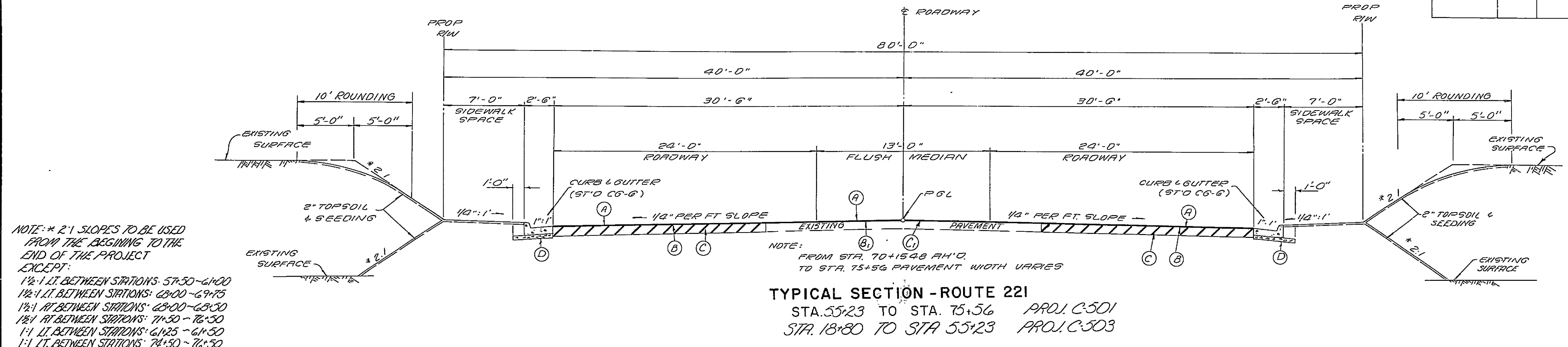


TYPICAL SECTIONS

REVISED	PKWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
6-25-82	3	VA.		221	0221-080-103, R/W-201 C-501, C-503	2



DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.

- PAVEMENT LEGEND
- (A) Bituminous Concrete Surface Course Type 5-3 (125 Pounds Per Square Yard over Entire Roadway.)
 - (B) Bituminous Concrete Binder Type I-2 (160 Pounds Per Square Yard over Entire Roadway) I-2 to be leveling course over existing pavement.
 - (C) Bituminous Concrete Binder Type I-2. Build up to a Maximum Depth of 4" over existing pavement.
 - (D) Bituminous Concrete Base Type B-3 (Depth 8")
 - (E) Bituminous Concrete Base Type B-3. Use B-3 for any depth over 5" over existing pavement.
 - (F) Aggregate Base Material, Type I, No 21-A (Minimum Depth 4") under Curb & Gutter and extend 1 foot back of Curb & Gutter.

GENERAL NOTES

GRADING

The grade line denotes top of finished pavement unless shown otherwise on typical sections or plans.

The cost of removal of concrete items, such as cutting, saw slots, ditches and curb & gutter, shall be included in the price bid for regular excavation.

DRAINAGE

The location of all drainage structures shown on these plans are approximate only, with the exception of structures showing specific stations, special design, bridges and storm sewers.

Pipe culverts are to conform to any of the allowable types shown on sheet number 2D, within the applicable fill height limitations. For strength, sheet thickness, or class designation; available sizes; height of fill limitations; and method of bedding required for a particular height of cover, see Standard Drawings PC-1 and PB-1. Structural plate steel pipe may be substituted for corrugated steel pipe of the same size and a structural plate steel pipe arch may be substituted for a corrugated steel pipe arch of the same size, provided the substitution complies with Standard Drawings PC-1 and PB-1.

On this project concrete, asphalt cement, vitrified clay and cast iron pipes are classified as smooth pipes. All other pipes are classified as corrugated metal (C.M.) pipes. Where the design of a pipe installation has determined that there is a size differential

DRAINAGE CONT.

between the theoretically comparable allowable C.M. pipe and the allowable smooth pipe and is noted in the pipe description as Design A and Design E respectively on the plan and summary sheet, the contractor will have the option of installing either type that conforms to the table of allowable types shown on sheet number 2D and to either Design A or Design E as specified on the plans. The length and size pipes noted as Design A (C.M. Pipe) will be included in the estimate and bidding proposal.

PAVEMENT

The materials listed below are to be paid for on a tonnage basis on this project. The theoretical tonnage shown on these plans is based on the weight shown hereon. The weight will vary in accordance with the specific gravity of the aggregates and the asphaltic content of the mix actually used to secure the design depth. The weight of the bituminous concrete is based on 95% of theoretical maximum density.

Bituminous Concrete Type B-3 @ 115 lb. per sq. yd. per inch of depth.

Aggregate Base Material, Type I, No 21-A @ 150 lbs. per cu. ft. (Plus 6% moisture correction.).

INCIDENTALS

Service roads are to be constructed and private entrances connected thereto prior to the commencement of private utility construction by other phases of the project and construction.

All trees located within thirty feet of edge of pavement shall be within the limits of the right of way unless otherwise noted on plans or directed by the Engineer. All trees to be removed shall be removed for in Section 30102, of the Specifications.

When no contrary provision is noted on plans or specified by the Engineer.

When no contrary provision is shown for proposed entrance, the entrance is to be constructed in the same location as the existing entrance.

Standard height of vegetation elements are to be set by the Contractor.

Where standard slope, roundoffs would damage trees, bushes or other desirable vegetation, they shall be omitted when so ordered by the Engineer.

Use all necessary precaution when excavating for drainage systems crossing and paralleling the existing conduit system.

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	0221-080-103	PC-5428	2

