



**US Army Corps  
of Engineers**  
Omaha District

**PUBLIC NOTICE**

Application No: 200190331  
Applicant: Federal Highway Administration  
Waterway: Painted Rocks Reservoir, Slate Creek  
Issue Date: July 30, 2001  
Expiration Date: August 29, 2001

**30 DAY NOTICE**

**REPLY TO:**

**Helena Regulatory Office  
U.S. Army Corps of Engineers  
301 South Park, Drawer 10014  
Helena, Montana 59626-0014**

**JOINT PUBLIC NOTICE  
FOR PERMIT APPLICATION SUBMITTED TO  
U.S. ARMY CORPS OF ENGINEERS  
AND  
MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

The application of Federal Highway Administration, for approval of plans and issuance of a permit under authority of the Secretary of the Army is being considered by the District Engineer, U.S. Army Corps of Engineers, Omaha, Nebraska. **The project described herein is not being proposed by the Corps, but by the applicant; the Corps will evaluate the proposed work to determine if it is permissible under current laws and regulations.**

**Description of Proposed Project:** The applicant requests permission to discharge fill material into the Painted Rocks Reservoir to create a safer road alignment by softening curves and installing safety features on the east shore of Painted Rocks Reservoir on Montana Forest Highway 66, also known as the West Fork Bitterroot River Road. The current project involves reconstructing, widening, and paving the existing road to obtain a 24-foot width lane with 2-foot shoulders on each side. Road improvements follow the existing alignment except in areas where curves will be flattened to improve safety and achieve the desired design speed. Approximately 27,216 cubic yards of fill consisting of decomposed granite with little or no silts and clays will be placed below the ordinary high water mark in the reservoir. An additional safety buffer of 24,470 cubic yards of fill consisting of class 4 riprap will be added to compensate for high water years for a grand total of approximately 51,686 cubic yards of fill. Total length of fill is approximately 4,290 feet spread out in varying lengths over six different areas. The width of fill in each area varies between approximately 13 feet and 20 feet. This project will also require the extension and modification of an existing box culvert that Slate Creek uses to pass under Montana Forest Highway 66 and empty into Painted Rocks Reservoir. This culvert will be modified to allow fish passage and facilitate movements of the federally listed bull trout and other resident fish. 7,535 square feet of camping area will be constructed on the west edge of the new alignment, further out into the reservoir, to compensate for the loss of the dispersed camping area (7,535 square feet) associated with the Slate Creek Campground. The project requires approximately 12,000 cubic yards of topsoil to be excavated from the reservoir bottom, in a manner and location described in the agreement with the Montana Department of Natural Resources and Conservation. Drawings showing the location and extent of the project are attached to this notice.

**Location:** The proposed activity is located in the Painted Rocks Reservoir and Slate Creek in Sections 34 & 35, Township 1 South, Range 22 West, Ravalli County, Montana and in Sections 1, 2, & 3, Township 2 South, Range 22 West, Ravalli County, Montana.

**Purpose:** The purpose of the proposed project is to reconstruct, widen, and pave the existing road to obtain a 24-foot width with 2-foot shoulders on each side. Road improvements will soften sharp curves and safety features, such as guardrails, will be installed. In areas of sharp curvature, the road will be widened into the reservoir to avoid sheer cuts into the adjacent cliffs.

**Background:** Two other phases of this project were completed in 1997 (Corps File No. 1993-90-059) and in 2000 (Corps File No. 1996-90-099.) An Environmental Assessment (EA) was completed in 1993 for this project after a public review period. This EA was amended in August 1993 and in November 1993, a Finding of No Significant Impact (FONSI) was issued. In 2001, the Idaho/Montana Section at the Western Federal Lands Highway Division of the Federal Highway Administration reevaluated the 1993 Amended EA for this project and it was determined to still satisfactorily addresses the proposed improvement project as currently proposed.

**401 Water Quality Certification:** The Montana Department of Environmental Quality, 1520 East 6th Avenue, PO Box 200901, Helena, Montana 59620-0901, will review the proposed project with the intent to certify in accordance with the provisions of Section 401 of the Clean Water Act. The certification, if issued, will express the State's opinion that the operations undertaken by the applicant will not result in a violation of applicable water quality standards. The Montana Department of Environmental Quality hereby incorporates this public notice as its own public notice and procedures by reference thereto.

**Cultural Resources:** The Corps of Engineers, Omaha District will comply with the National Historic Preservation Act of 1966, as amended. We have checked the National Register of Historic Places and its current supplements, and there are no known National Register sites in the vicinity; however, we will evaluate input by the State Historic Preservation Office and the public in response to this public notice, and we may conduct or require a reconnaissance survey of the permit area to check for unknown historic or prehistoric properties, if warranted.

**Threatened / Endangered Species:** This project is in the known range of **bull trout** (*Salvelinus confluentus*). In compliance with the Endangered Species Act, a preliminary "may-affect" determination has been made. Coordination with the U.S. Fish and Wildlife Service and other interested agencies will be completed to determine the effects on the **bull trout** or its critical habitat.

**Evaluation Factors:** The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the proposed activity must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people. In addition, the evaluation of the impact of work on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act (40 C.F.R.; Part 230).

**Comments:** The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess

impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. All public notice comments will be considered public information and will be subject to review by the applicant.

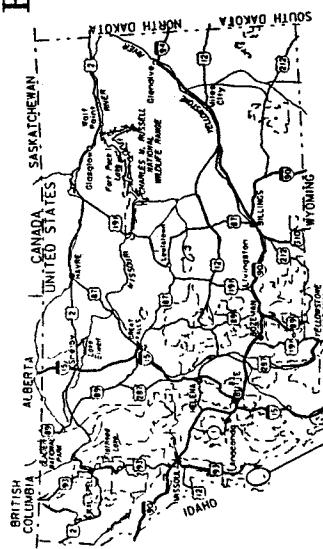
Any person may request, in writing and within the comment period specified in this notice, that a public hearing be held for the purpose of gathering additional information. Requests for public hearings must be identified as such and shall state specifically the reasons for holding a public hearing and what additional information would be obtained. The request must be submitted to the U.S. Army Corps of Engineers, 301 South Park, Drawer 10014, Helena, Montana 59626-0014. If it is decided that additional information is required and that a public hearing should be held, interested parties will be notified of the date, time and location.

Any interested party (particularly officials of any town, city, county, state, or Federal agency; Indian tribe; or local association whose interests may be affected by the work) is invited to submit to this office written facts, arguments, or objections on or before the expiration date listed on the front of this notice. Any agency or individual having an objection to the work should specifically identify it as an objection with clear and specific reasons. Comments, both favorable and unfavorable, will be accepted, made a part of the record and will receive full consideration in subsequent actions on this application. All replies to the public notice should be addressed to the **U.S. Army Corps of Engineers, 301 South Park, Drawer 10014, Helena, Montana 59626-0014**. Please reference the Application Number found on the first page of this notice in any correspondence. Vicki Sullivan, telephone number (406) 441-1375, may be contacted for additional information. You may also fax your comments to (406) 441-1380 or email at Vicki.L.Sullivan@usace.army.mil.

Comments postmarked after the expiration date of this public notice will not be considered.

**Statutory Authorities:** A permit, if issued, will be under the provisions of Section 404 of the Clean Water Act.

U. S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION



PLANS FOR PROPOSED

PROJECT MT PFH 66-1(3)  
BITTERROOT NATIONAL FOREST  
RAVALLI COUNTY  
MONTANA  
LENGTH 5.702 KILOMETERS

PROJECT PFH 66-1(3)

TYPE OF CONSTRUCTION:  
Grading, Base, Paving,  
Drainage, and Retaining Walls

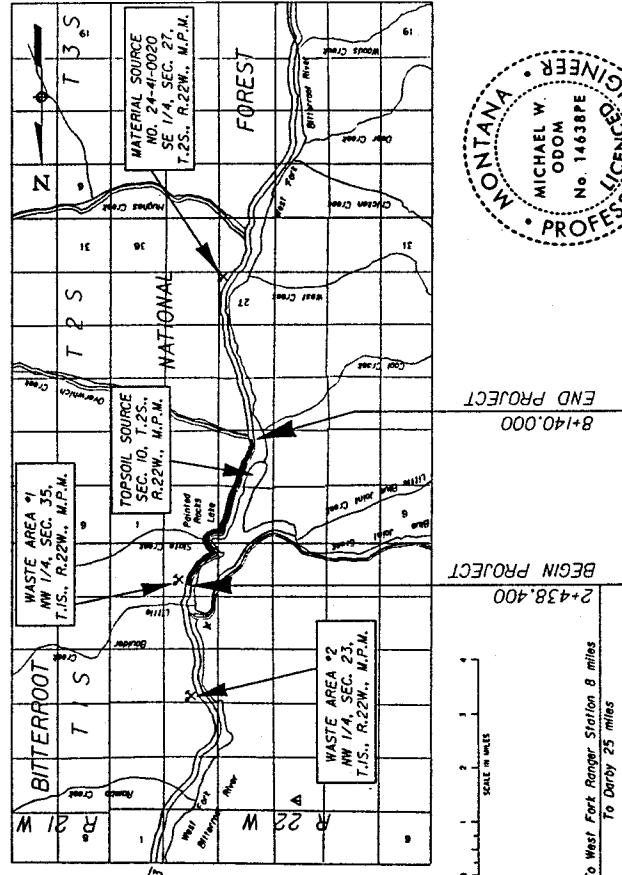
DESIGN DESIGNATION:  
ADT 200/ 185  
ADT 202/ 280  
DHV 42  
T 1.0%  
V 50 km/h  
ef(max) 0.060

SPECIFICATION:  
Standard Specifications for Construction  
of Roads and Bridges on Federal  
Highway Projects, FP-96



PLANS PREPARED BY  
U.S. DEPARTMENT OF TRANSPORTATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION  
VANCOUVER, WASHINGTON

KATOS  
WARREN INCORPORATED  
614 S.W. Everett Avenue  
Portland, OR 97204  
(503) 224-4000



STATE	PROJECT	Sheets
UT	PFH 66-1(3)	4
INDEX TO SHEETS		
A. GENERAL INFORMATION A.1 TITLE SPECIES A.2 PLAN SYMBOLS & ABBREVIATIONS B. SUMMARIES B.1-3 SUMMARY OF QUANTITIES C. TYPICAL SECTION C.1 TYPICAL SECTION D. PLAN AND PROFILE D.1 TABULATION OF PLAN AND PROFILE QUANTITIES E. DRAINAGE DETAILS E.1-2 TABULATION OF DRAINAGE QUANTITIES E.3 SLATE CREEK BOX CULVERT EXTENSION 4+652 E.4-5 SLATE CREEK BOX CULVERT EXTENSION DETAILS E.6 SLATE CREEK DIVERT CHANNEL DETAILS E.7 HORIZONTAL DRAIN AND UNDERDRAIN DETAILS E.8-16 DRAINAGE STANDARD DETAILS F. GUARDRAIL / ROCK FALL BARRIER F.1 GUARDRAIL & GUARDRAIL ROCK PROTECTION DETAILS F.2 CA W BEAM GUARDRAIL WOOD POSTS F.3 GA W BEAM GUARDRAIL TYPE LARID TERMINAL F.4 GA W BEAM GUARDRAIL TYPE G4-BAT TERMINAL F.5-6 CRT W BEAM GUARDRAIL TYPE CRT TERMINAL G. EROSION CONTROL G.1 TABULATION OF EROSION CONTROL QUANTITIES G.2-6 EROSION CONTROL SITE PLANS G.7 SILT FENCE G.8 SEDIMENT CONTROL AT CULVERTS G.9 CULVERT END TREATMENT & SLOPE DRAINS H. RIPRAP H.1 TYPICAL EMBANKMENT CONSTRUCTION I. ROAD APPROACHES I.1-4 APPROACH ROAD DETAILS J. RETAINING WALLS J.1 TABULATION OF GABION FACED MSE WALL QUANTITIES J.2-5 GABION FACED MSE WALL PROFILES J.6-7 GABION FACED VSE RETAINING WALL K. TEMPORARY TRAFFIC CONTROL K.1 TRAFFIC CONTROL PLAN - ROAD CLOSURE K.2 TEMPORARY TRAFFIC CONTROL PLAN - GABION FACED M. MISCELLANEOUS M.1-2 PULLOUT DETAILS M.3 SLATE CREEK AREA RECLAMATION PLAN M.4 WASTE AREA #1 DETAILS M.5 ALTA MATERIAL SOURCE NO. 24-41-0020 M.6-8 ALTA MATERIAL SOURCE CROSS SECTIONS		
RECOMMENDED:		
APPROVED:		
Date _____ Division Engineer, Federal Lands Highway Division Date _____ APPROVED: _____ Division Engineer, Federal Lands Highway Division Date _____		

STATE	PROJECT NUMBER
MT	PPB 68-13

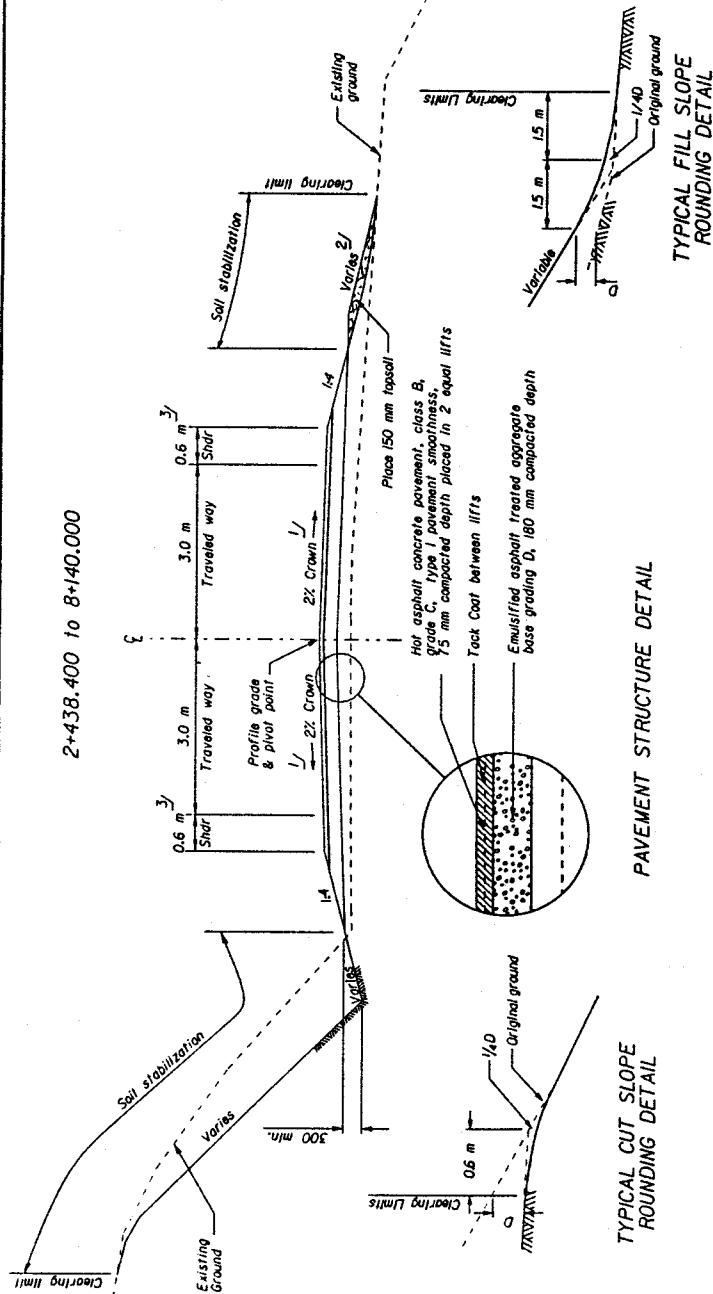
2+438.400 to 8+140.000

NOTES:

1. Dimensions not labeled are in millimeters.
2. Typical sections are not to scale.
3. Design cut and fill slopes are shown in the Starting Report. See FAR Clause 52.216-4.

FOOT NOTES:

- 1/ Maximum super-elevation on curves are at the rate 'e' as indicated under the curve data shown on the plan and profile sheets.
- 2/ See Sheet H.1 for embankment construction.
- 3/ See Sheet F.1 for Guardrail & Guardrail Post Protection shoulder treatment.
- 4/ For information only.
- 5/ Quantities include pullouts.

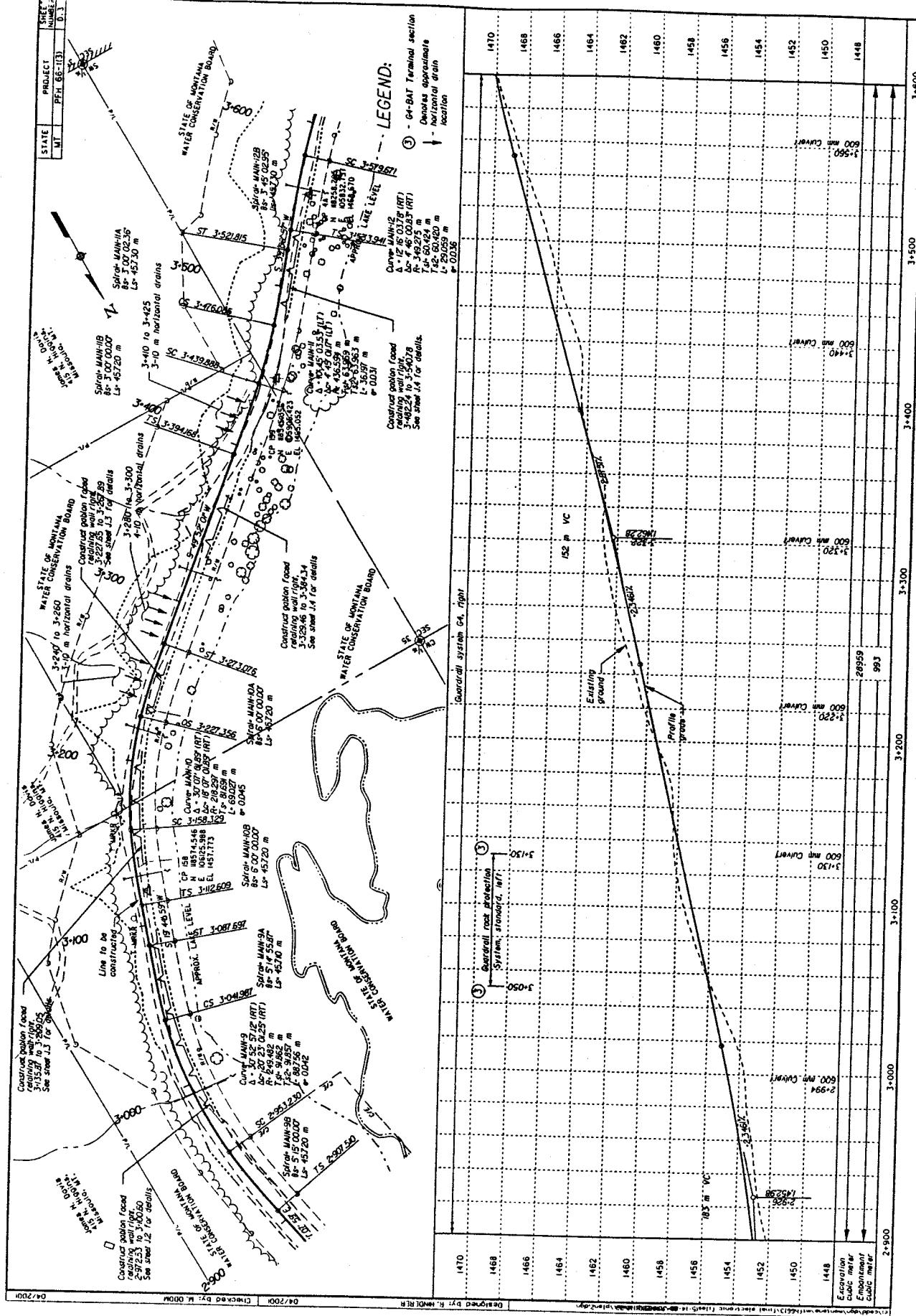


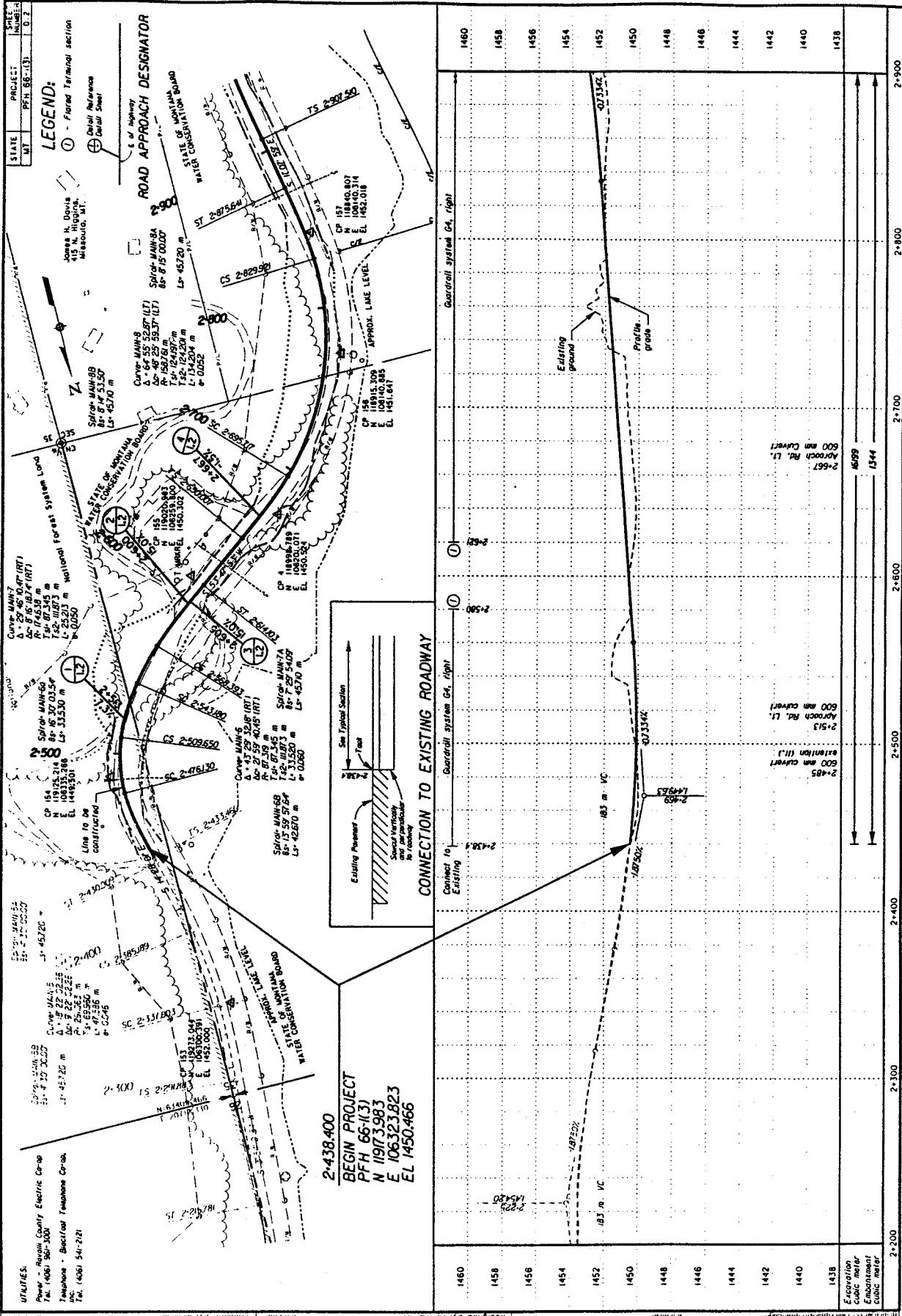
TYPICAL FILL SLOPE ROUNDING DETAIL

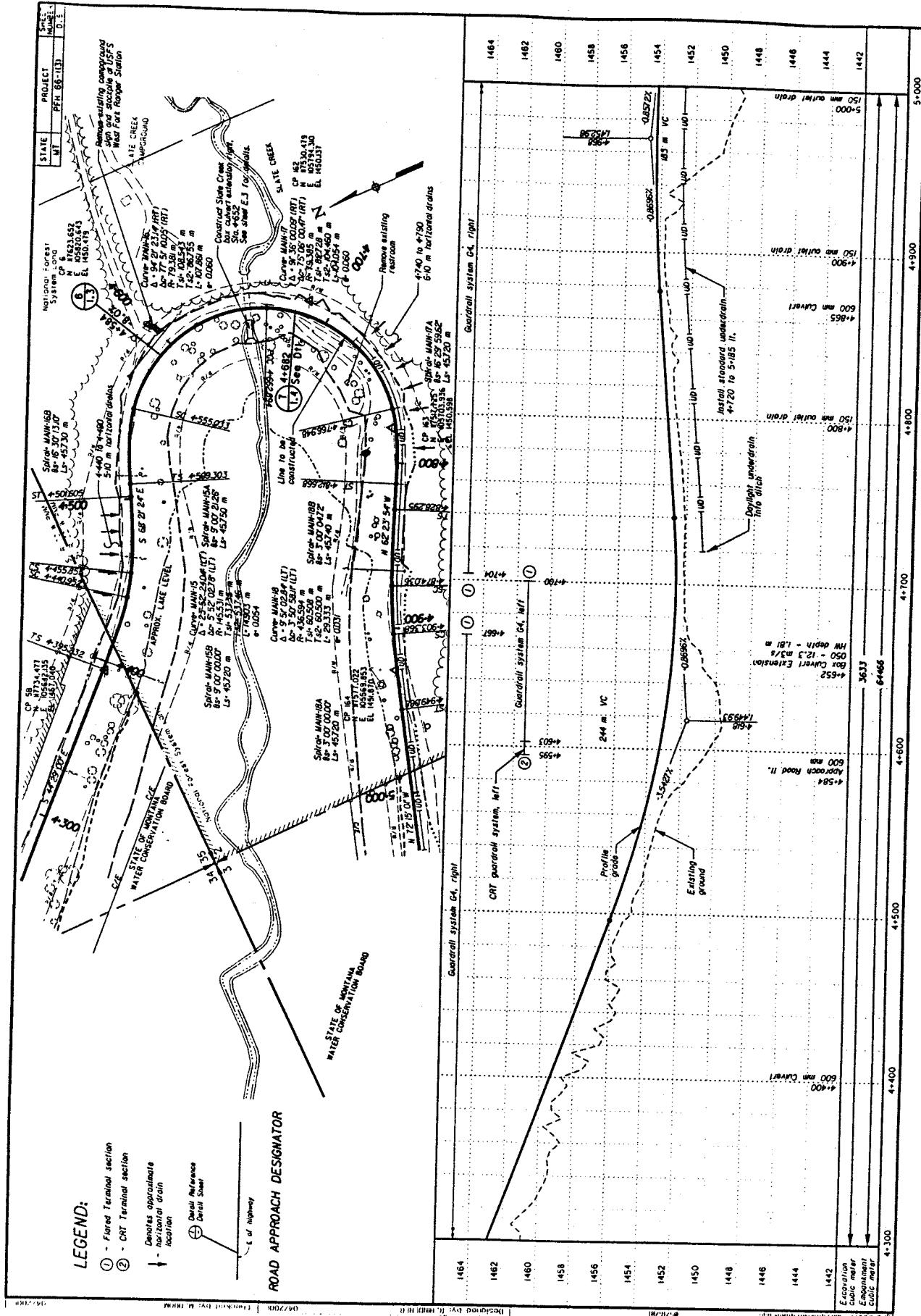
TYPICAL SECTION QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY $\Sigma$
30901	Emulsified asphalt treated aggregate base grading D	Metric ton	23487.7 2.34 l/m <sup>3</sup>
30904	Emulsified asphalt grade CSS-I	Metric ton	234.9 1% of Item 30901
40101	Hot asphalt concrete pavement class B, grading C, type I pavement smoothness	Metric ton	7851.9 2.30 l/m <sup>3</sup>
40103	Asphalt cement grade SurrP PG 56-34	Metric ton	471.1 6% of Item 40101
41201	Tack coat grade CSS-I	Metric ton	15.7 0.35 l/m <sup>2</sup> of pavement area

TOPSOIL	
ITEM 62401	FURNISHING AND PLACING TOPSOIL, ISO MILLIMETER DEPTH
2+440 to 2+476	RT 4.2 to 4.5 m <sup>2</sup>
2+476 to 2+510	RT 4.5
2+510 to 2+543	RT 4.5 to 4.2
3+974 to 4+020	LT 3.6 to 4.7
4+020 to 4+068	LT 4.7
4+088 to 4+160	LT 4.7 to 3.6
4+509 to 4+555	RT 4.2 to 4.5
4+555 to 4+767	RT 4.5
4+767 to 4+813	RT 4.5 to 4.2

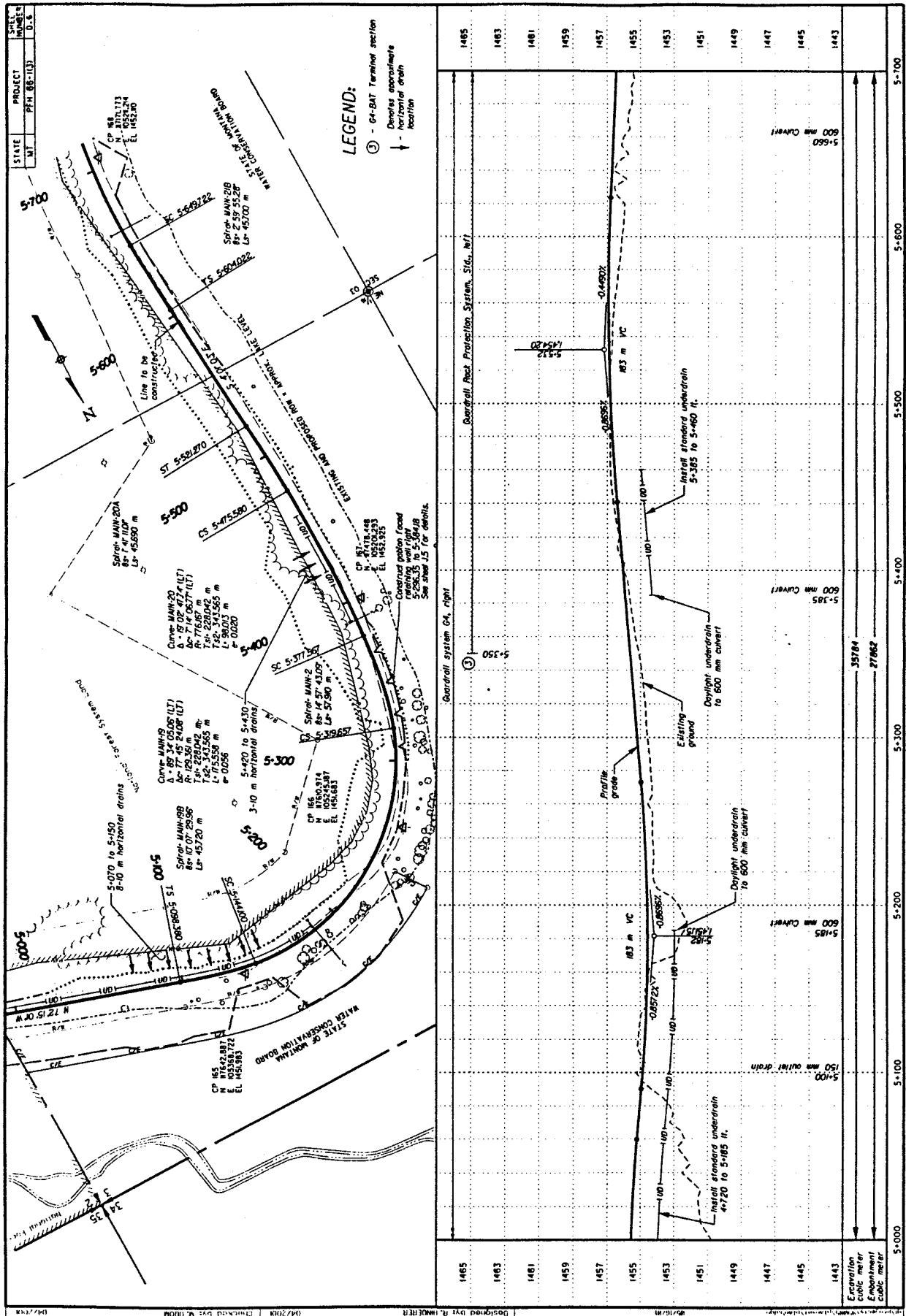
TYPICAL SECTION



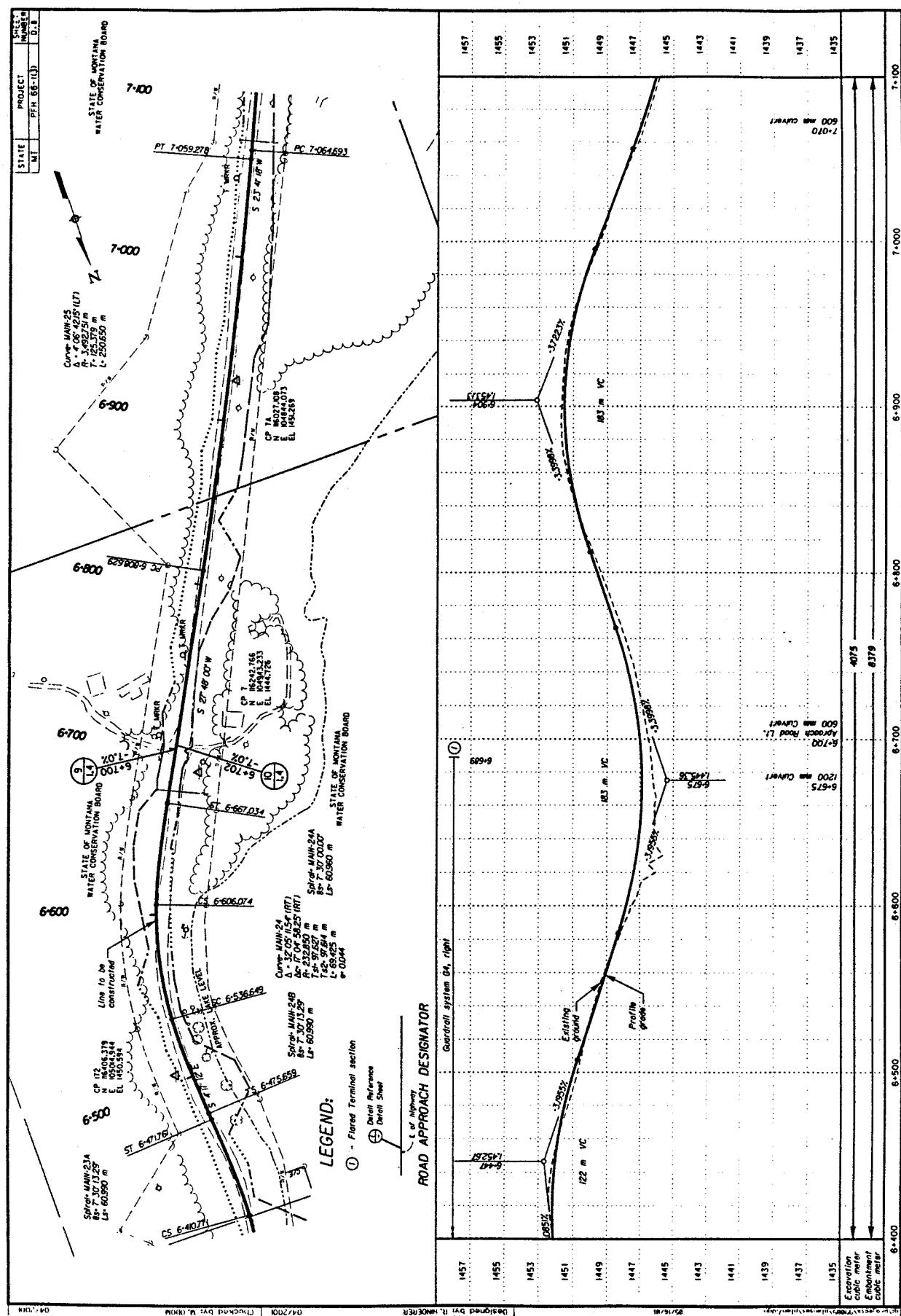


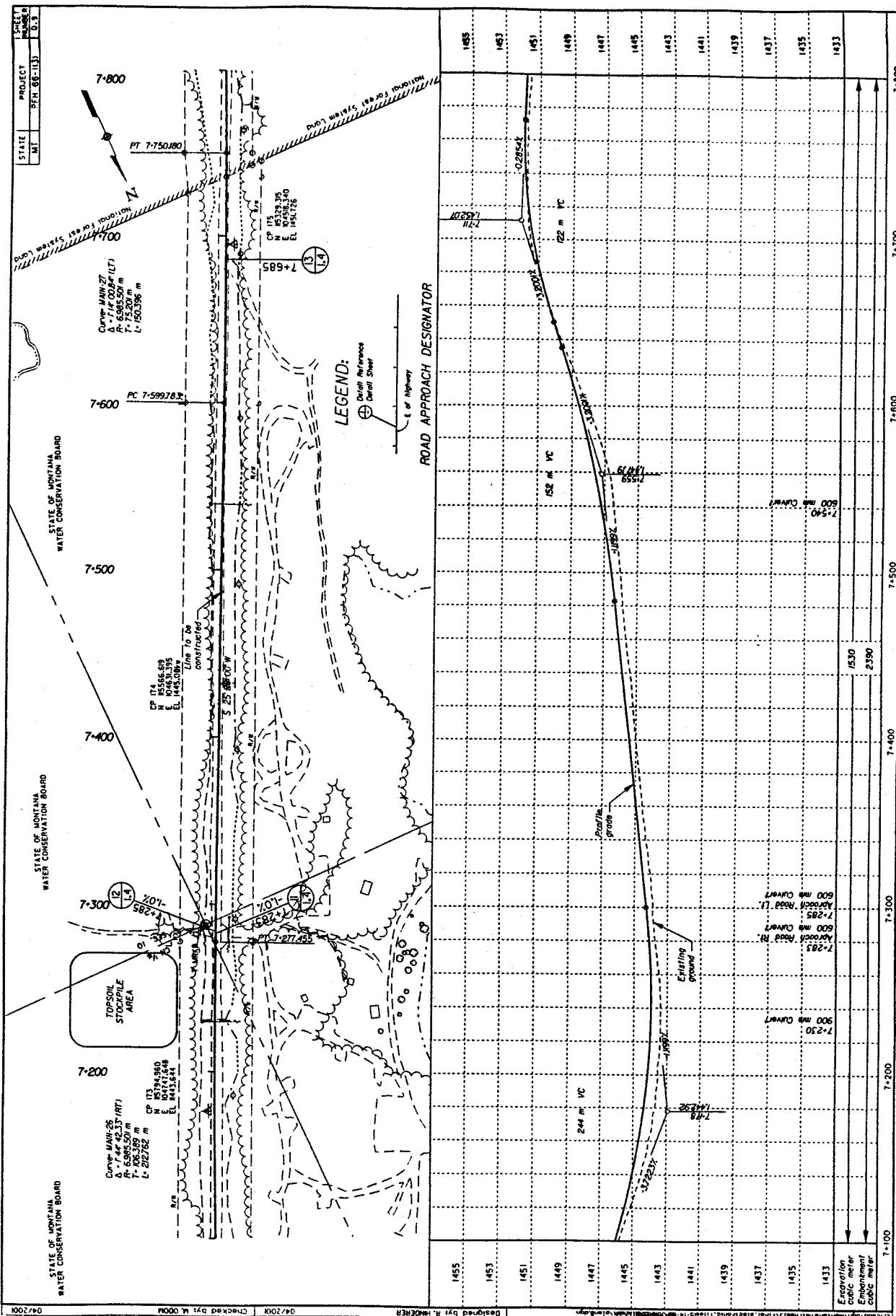


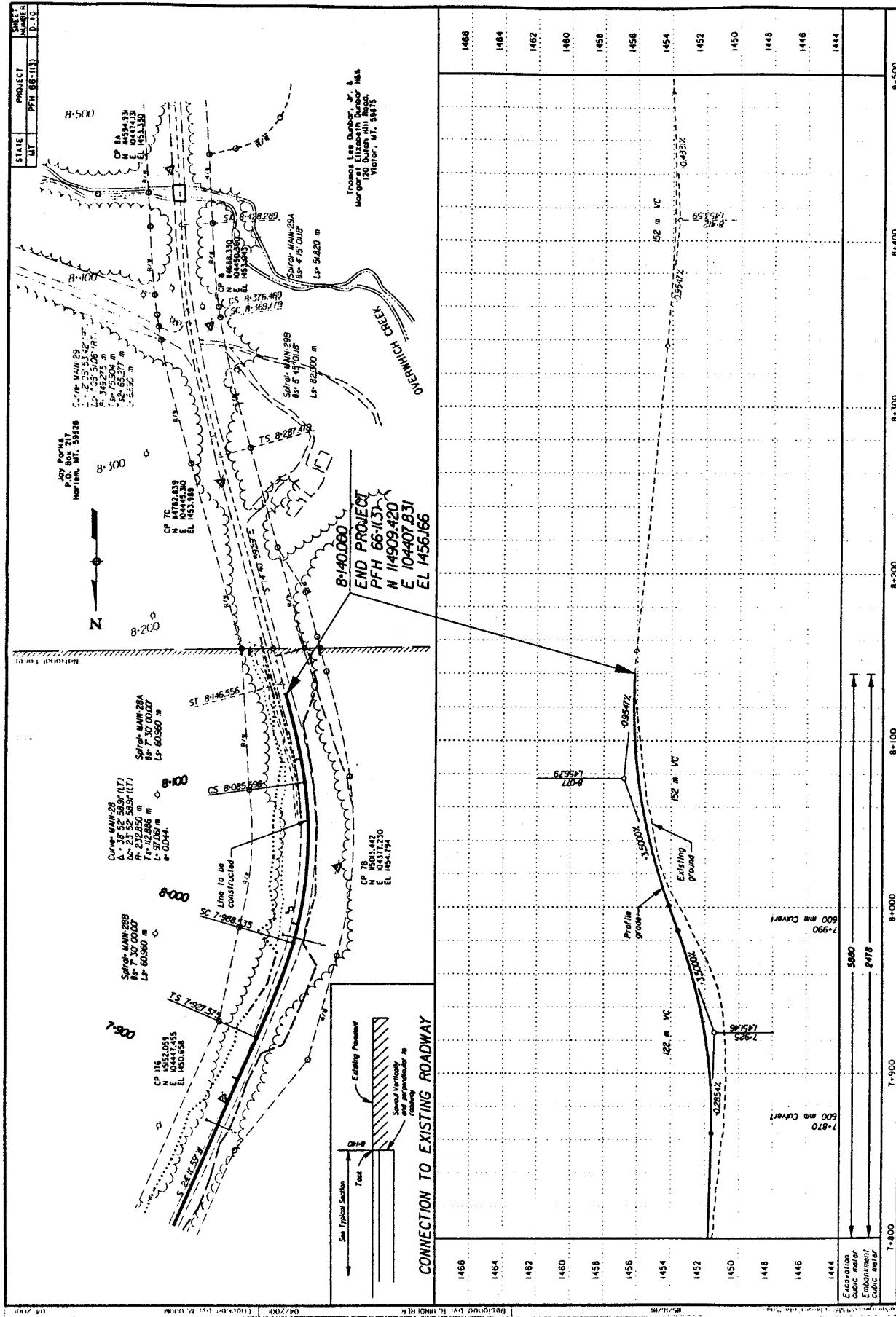


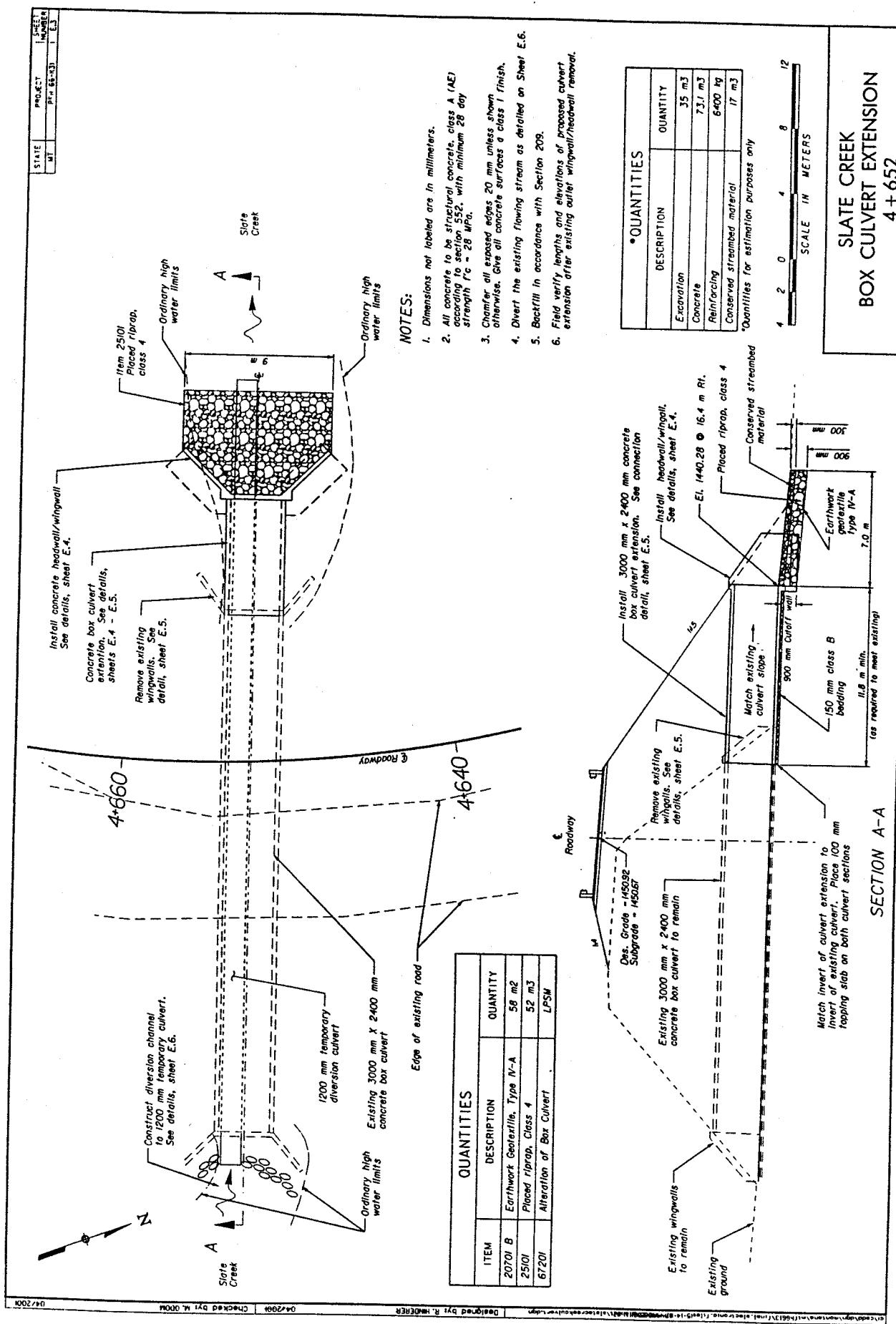


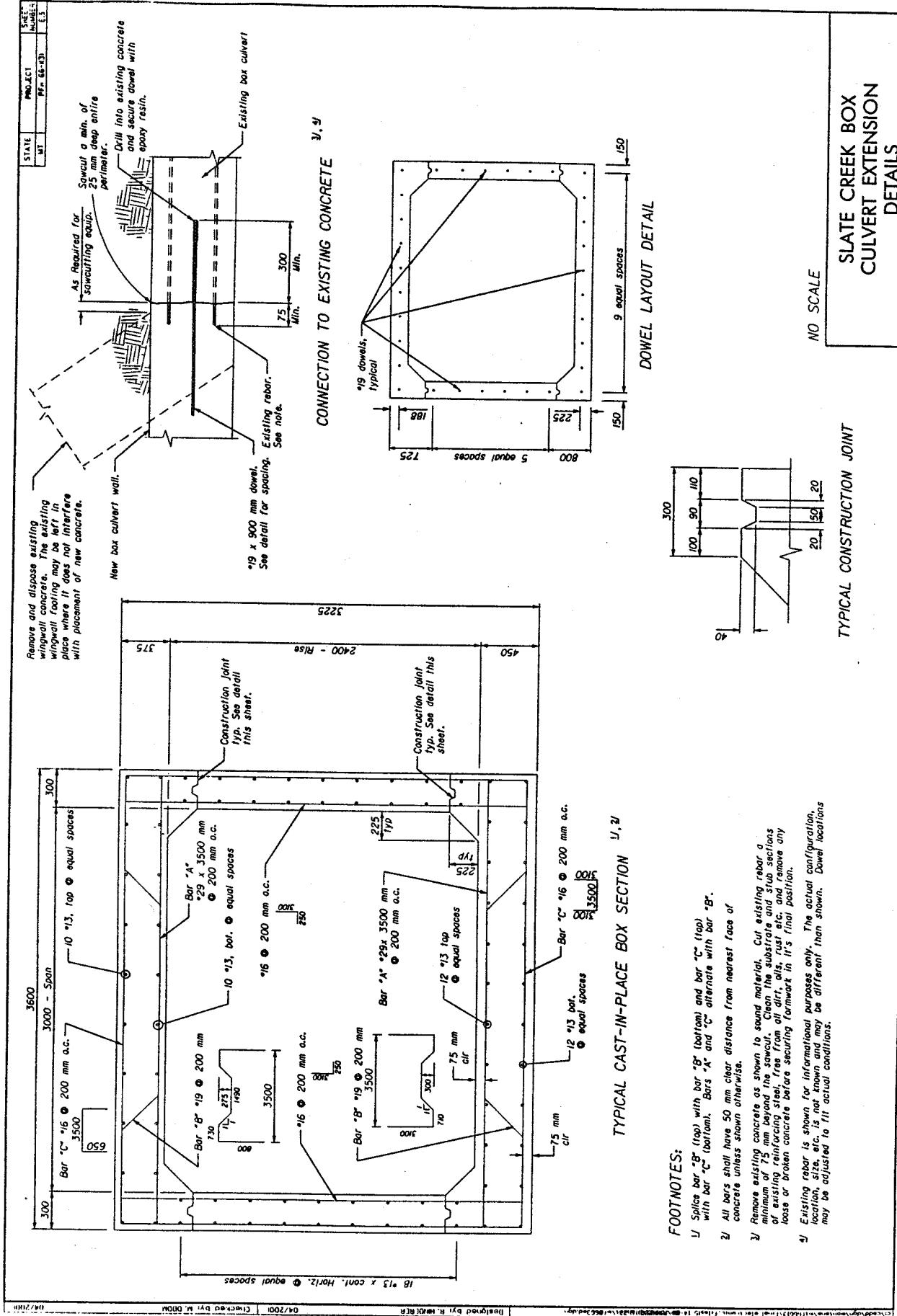




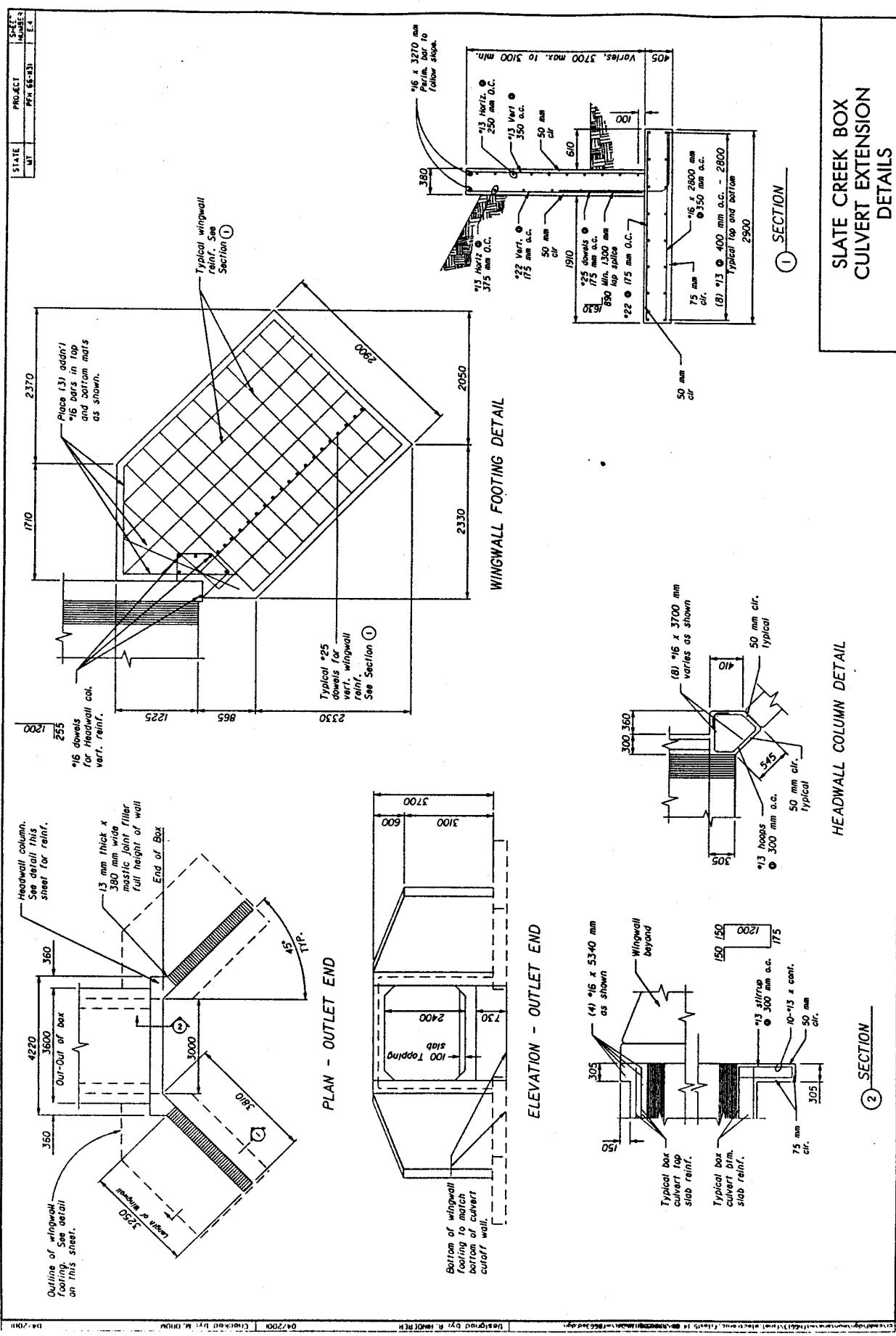








- FOOTNOTES:**
- 1) Splice bar 'B' (top) with bar 'B' (bottom). Bars 'A' and 'C' (top) and bar 'C' (bottom).
- 2) All bars shall have 50 mm clear distance from nearest face of concrete unless shown otherwise.
- 3) Remove existing concrete as shown to sound material. Cut existing rebar a minimum of 75 mm beyond the sawcut. Clean the substrate and stub sections of existing reinforcing steel, free from all dirt, oil, rust etc. and remove any loose or broken concrete before securing formwork in its final position.
- 4) Existing rebar is shown for informational purposes only. The actual configuration, location, size, etc. is not known and may be different than shown. Dowel locations may be adjusted to fit actual conditions.

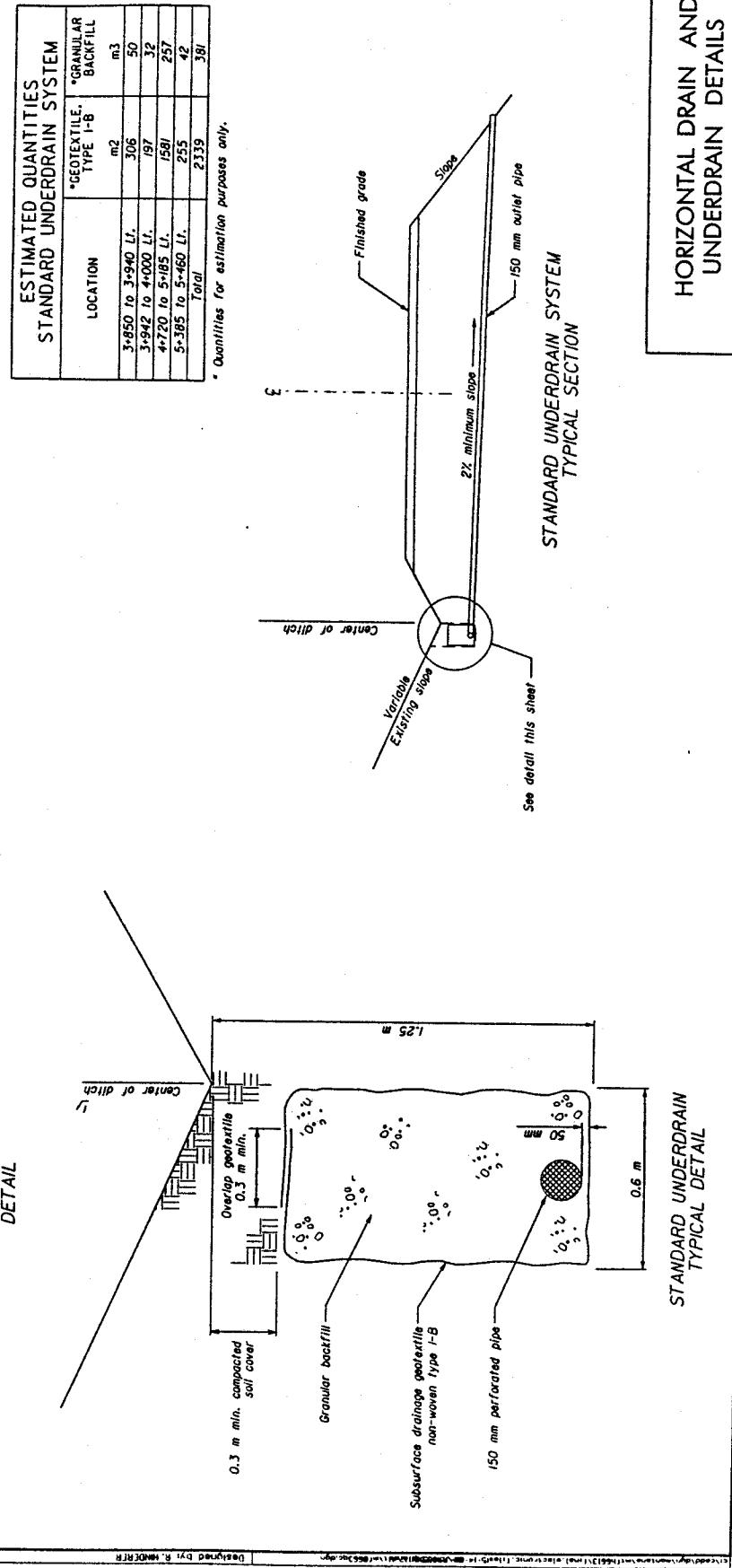
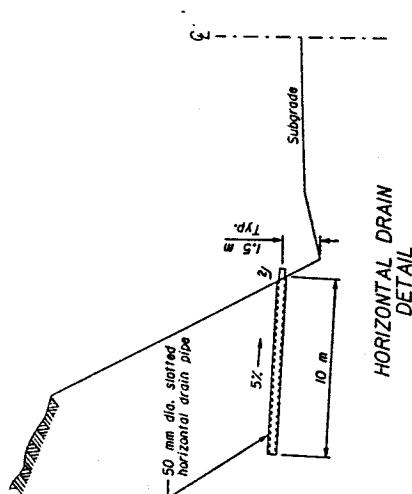


**NOTES:**

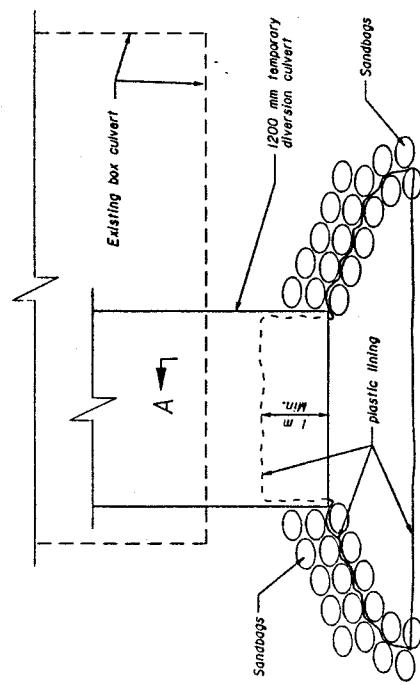
1. See Sheet E.1 and E.2 for location and quantities.

**FOOTNOTES:**

- 1. Install underdrain per detail except 4+720 to 5+185 to be installed in existing ditch.
- 2. Extend horizontal drain approx. 150 mm beyond surface and drain to ditch.



STATE	PROJECT	SHEET
AT	Ptn 6-13	E.6

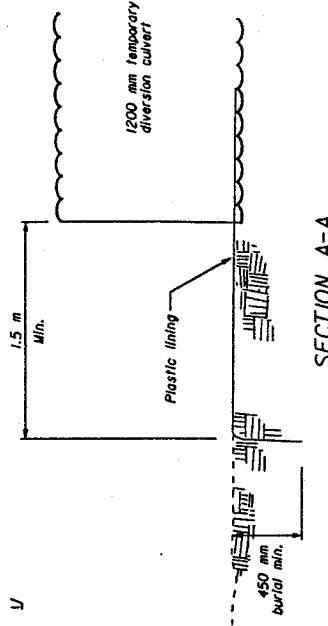


A →

ELEVATION



DIVERSION CHANNEL DETAILS

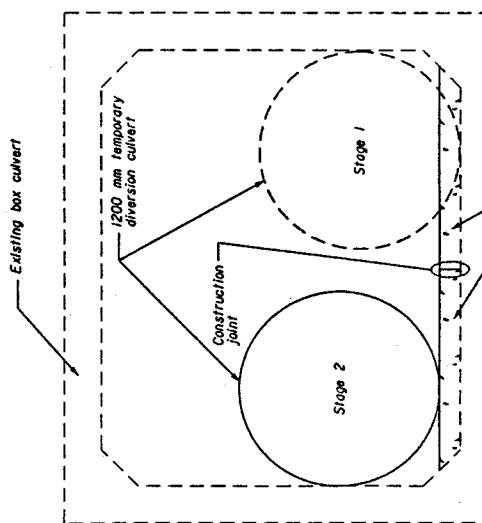


SECTION A-A

NOTES:

1. Place temporary diversion culvert in  $\frac{1}{2}$  of existing culvert, and place opposite  $\frac{1}{2}$  of 100 mm topping slab.
2. Relocate temporary diversion culvert to opposite side of existing culvert to place remaining 100 mm topping slab.

FOOTNOTES:  
1/ See sheet G.1 for quantities



TEMPORARY DIVERSION CULVERT

SLATE CREEK  
DIVERSION CHANNEL  
DETAILS