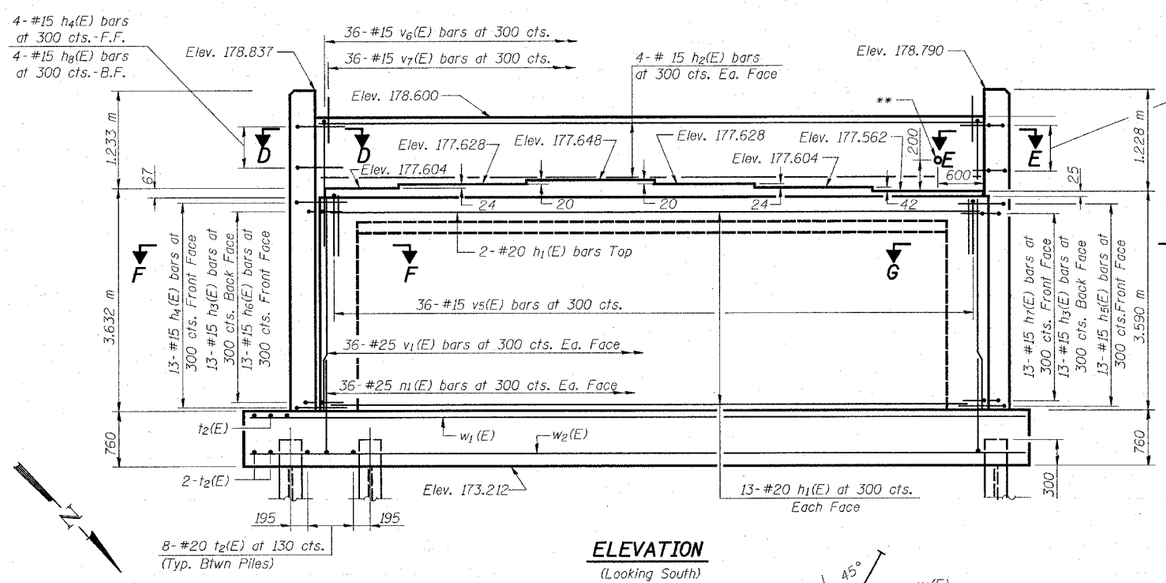
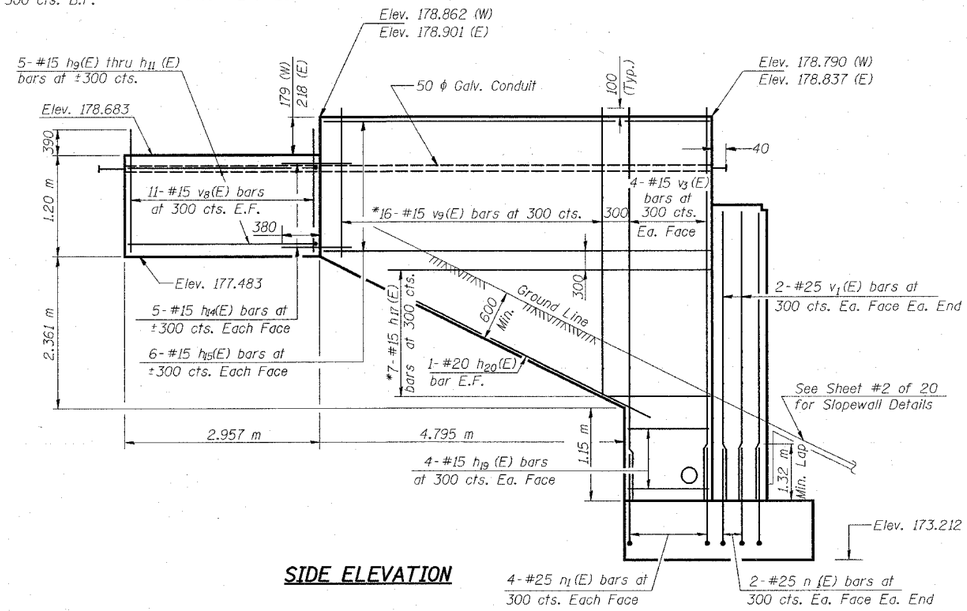
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 310	60-15HB	MADISON	185	87
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 12
20 SHEETS

CONTRACT NO. 76626



** 50 mm ϕ Galvanized Conduit (Sch. 40 pipe) shall conform to the requirements of ANSI C 80.1 or UL 1242. Thread and cap each end. Extend to clear end of wingwall and terminate at a point outside of the shoulder. Cost Included with Concrete Structures. See sheet #2 of 20.

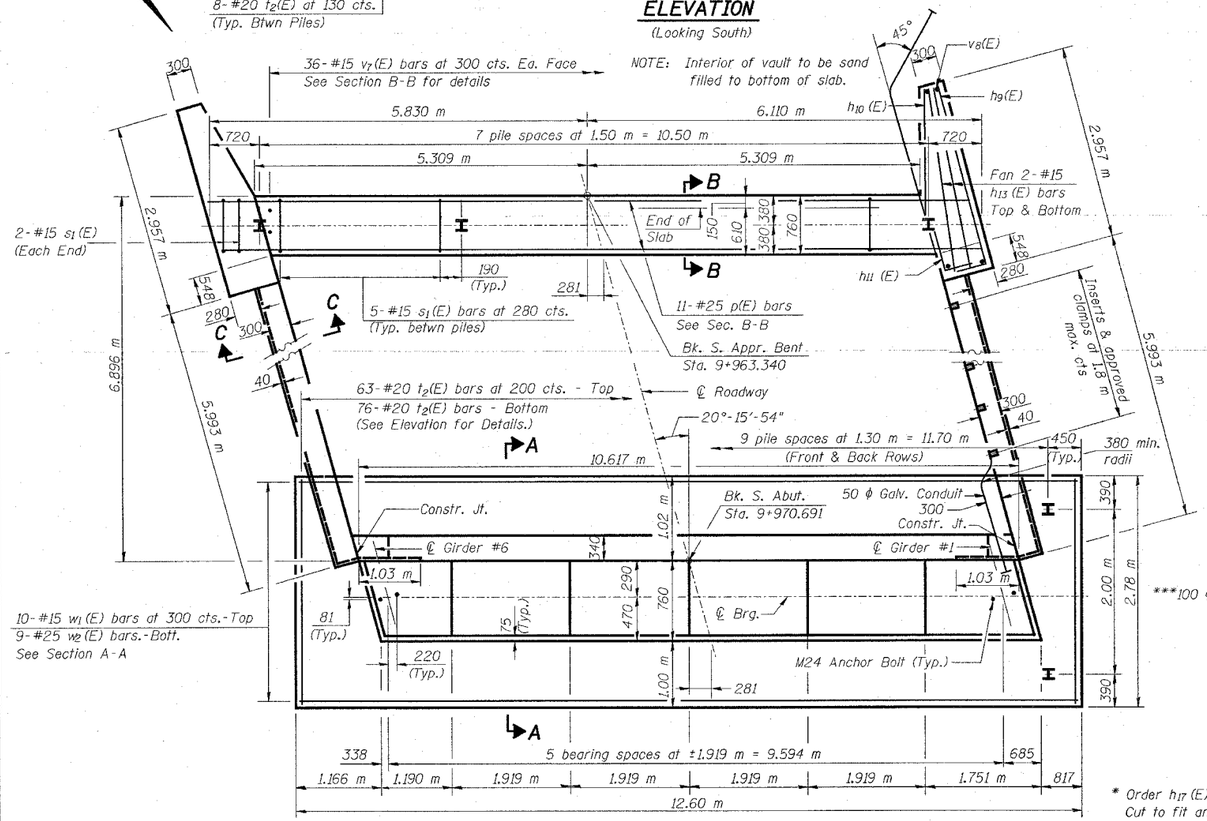


SIDE ELEVATION

ELEVATION

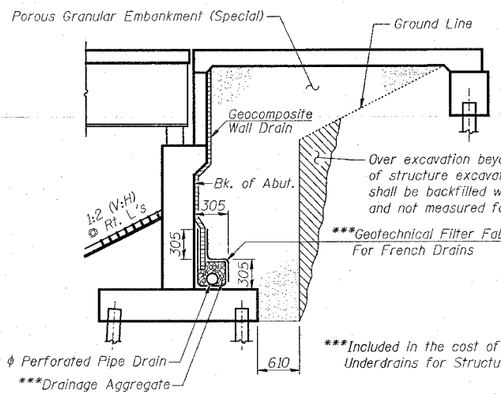
(Looking South)

NOTE: Interior of vault to be sand filled to bottom of slab.



PLAN

* Order h17 (E) and v9(E) bars full length. Cut to fit and use remainder of bars in opposite face. See Field Cutting Diagram on sheet #14 of 20.



***Included in the cost of "Pipe Underdrains for Structures, 100 mm".

SECTION THRU ABUTMENT

Note:
All drainage system components shall extend parallel to the abutment back wall through a formed hole in each curtain wall. The pipe shall extend until intersecting the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

APPR. BENT-PILE DATA

Type: HP 200x54 Piles
Nominal Required Bearing: 1273 kN
Allowable Resistance Available: 424 kN
Est. Length: 19.4 m
No. Req'd.: 7 + 1 test pile

ABUT.-PILE DATA

Type: HP 310x79 Piles
Nominal Required Bearing: 1862 kN
Allowable Resistance Available: 620 kN
Est. Length: 15.2 m
No. Req'd.: 20

Notes: For Section Thru Abutment & Reinforcement Bars See Sheet #14 of 20.
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
Reinforcement bars designated (E) shall be epoxy coated.

LIN ENGINEERING, LTD.
210 W. Chestnut, Chatham, Illinois 62629
(217) 483-4166 FAX (217) 483-4176
Designed By: MTH | Checked By: PSL | Drawn By: JMO
Date: 02/03 | File: 0600306.DGN

REVISIONS
NAME

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT
WENZEL ROAD OVER F.A.P. RTE. 310
SECTION 60-15HB
MADISON COUNTY
STA. 36+335.990 (FAP 310)
STA. 10+000.000 (WENZEL ROAD)
STRUCTURE NO. 060-0306