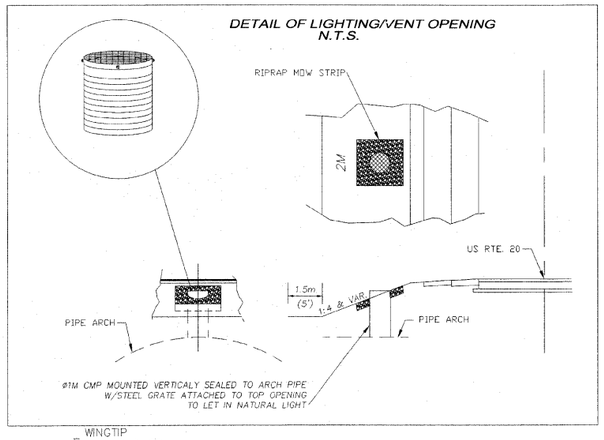
BENCHMARKS: R-228 Spike Set 0.6 m South of Fence at Station 36+544.94, 1.86 m Rt. Elev. 253.285
331 Chiseled Square on Concrete Power Pole Base, Pole No. 2115 at Station 37+373.69, 4.08 m Lt., Elev 253.875

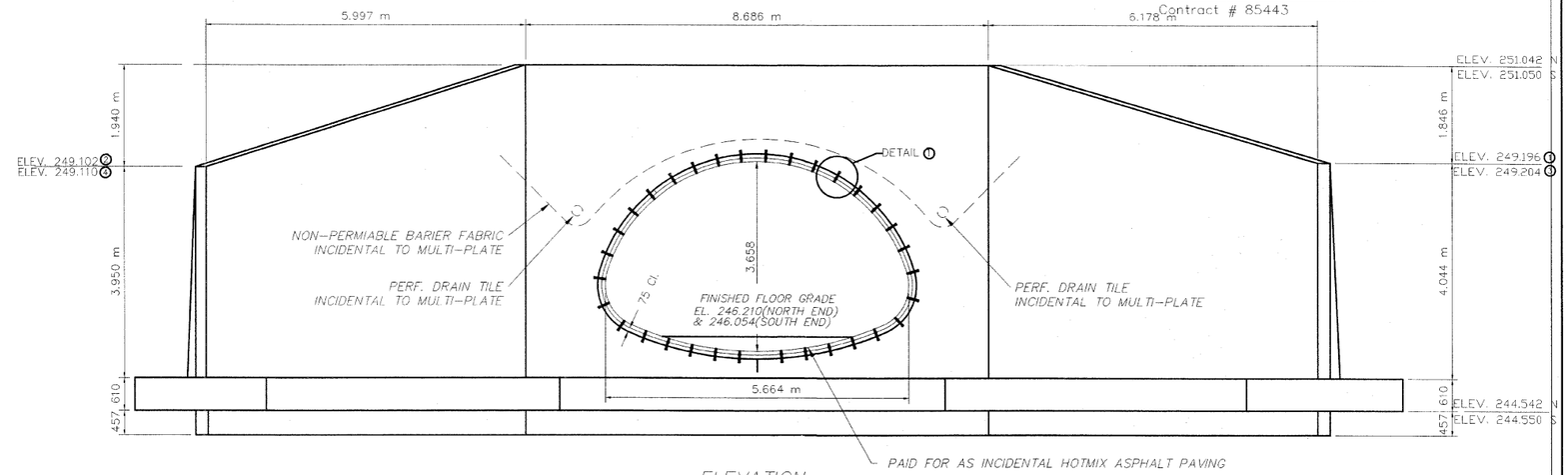
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| -- | - | - | | |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT- | |

SHEET NO. 1
1 SHEETS

Contract # 85443

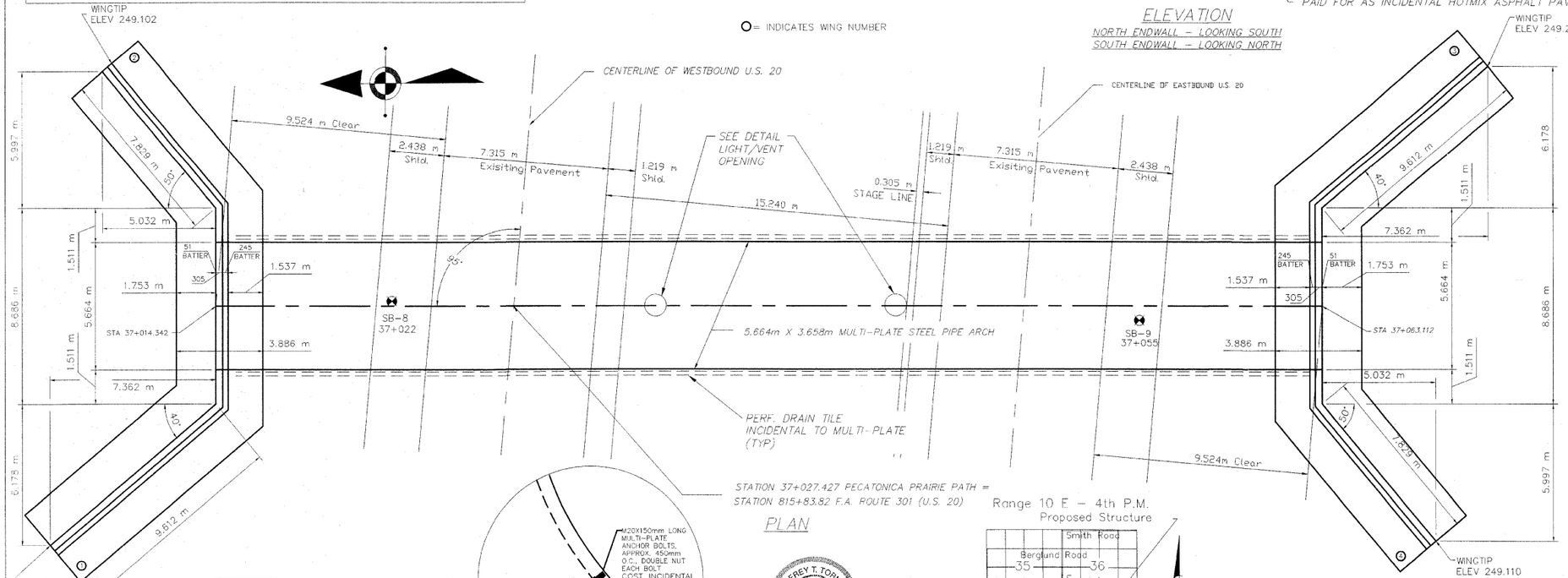


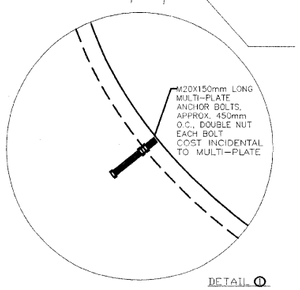




O= INDICATES WING NUMBER

## ELEVATION

NORTH ENDWALL - LOOKING SOUTH
SOUTH ENDWALL - LOOKING NORTH

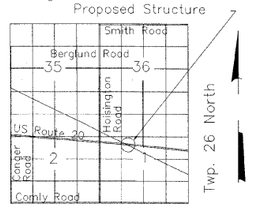



## PLAN

JEFFREY T. TORMEY
081-004580
REGISTERED STRUCTURAL ENGINEER
ILLINOIS
4/16/09
Expires 11/30/2010

Range 10 E - 4th P.M.




LOCATION SKETCH

| | |
|---|---|
| DESIGNED | JTT |
| CHECKED | JTT |
| DRAWN | NJB |
| CHECKED | JTT |

Structural Plate shall conform to AASHTO M-167, Minimum plate thickness shall be 7 Gauge with square cut ends. End plated shall be factory cut for Headwall skew.

### HIGHWAY CLASSIFICATION

F.A. ROUTE 301 (US 20)
ADT: 15700 (2005)
Functional Class: Major Arterial
Design Speed: 65 mph
Posted Speed: 65 mph

### DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications
17th Edition

### LOADING HS20-44

Allow 50# / sq. ft. for future wearing surface

### DESIGN STRESSES FIELD UNITS

f'c = 24 MPa
fy = 400 MPa (reinforcement)
Maximum Soil Pressure (TOE) 150 KN/m2

### SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.032 G
Site Coefficient (S) = 1

**APPROVED**
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson (TJP)
ENGINEER OF BRIDGES AND STRUCTURES

GENERAL PLAN
PECATONICA PRAIRIE PATH
UNDER F.A. ROUTE 301 (US 20)
SECTION 94-00267-00-BT
WINNEBAGO COUNTY
STATION 815+83.82
STRUCTURE NO. 101-0185

| REVISIONS | | |
|---|---|---|
| NO. | ITEM | DATE |
| 2 | REVIEW COMMENTS | 1/22/09 |
| 3 | Bridge Office Review | 4/10/2009 |
| | | |
| | | |

| | |
|---|---|
| PLOTTING SCALE: | 1 : 1 |
| DRAWN BY: | REK |
| CHECKED BY: | |
| DATE: | DECEMBER, 2008 |

McClure Engineering Associates, Inc.
7282 Argus Drive (815) 398-2332
Rockford, Illinois 61107-5937 FAX (815) 398-2496
Design Firm License: Illinois 184-000816
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**ROUTE 20 PATH CROSSING-HEADWALL**
PECATONICA PRAIRIE PATH Contract 85443
WINNEBAGO COUNTY HIGHWAY DEPARTMENT — SECTION 94-00267-00-BT
FILE NAME: G:\surveys\PECPATH\1ST RELEASE\98-037 headwall.dwg — JOB NUMBER: 04-28-98-037

SHEET NO. 80 OF 98