

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

SEC/SUR 131 TWP 46N RGE 5E

General Notes:

Design Specifications:
2002 - AASHTO 17th Edition
Load Factor Design
Seismic Performance Category A

Design Loading:
Earth - 120#/Cu. Ft., Equivalent Fluid Pressure 45#/Cu. Ft.
∅ = 27°

Design Unit Stresses:
Class B Concrete (Retaining Wall) $f'c = 3,000$ psi
Reinforcing Steel (Grade 60) $f_y = 60,000$ psi

Joint Filler:
All joint filler shall be in accordance with Sec 1057 for preformed sponge rubber expansion and partition joint filler, except as noted.

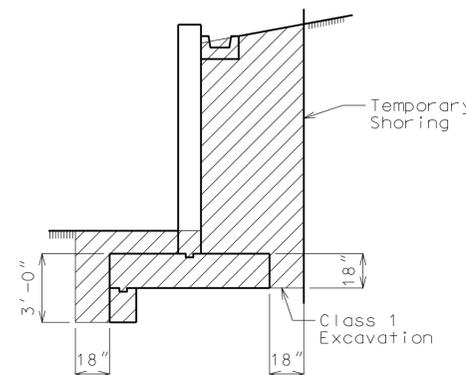
Reinforcing Steel:
Minimum clearance to reinforcing steel shall be 1-1/2", unless otherwise shown.

Traffic Control:
See roadway plans for traffic control plan (Roadway Item).

Miscellaneous:
"Sec" refers to the sections in the standard and supplemental specifications unless specified otherwise.

Any excavation above the bottom of existing footing and up to temporary shoring will be considered completely covered by the contract unit price for Removal of Wall.

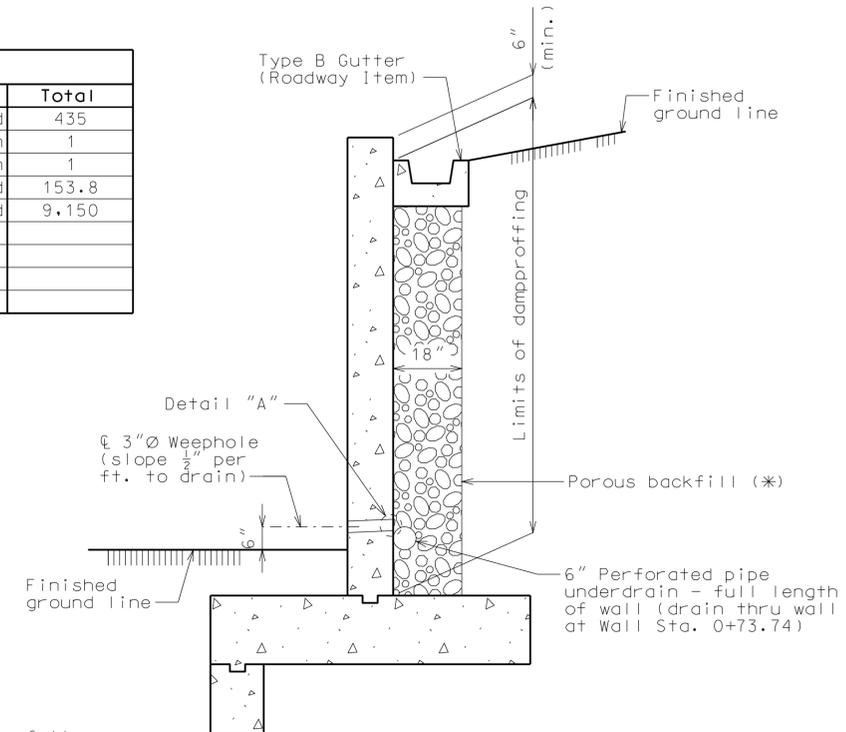
| Estimated Quantities | | |
|-----------------------------------|----------|-------|
| Item | | Total |
| Class 1 Excavation | cu. yard | 435 |
| Temporary Shoring | lump sum | 1 |
| Removal of Wall | lump sum | 1 |
| Class B Concrete (Retaining Wall) | cu. yard | 153.8 |
| Reinforcing Steel (Epoxy Coated) | pound | 9,150 |



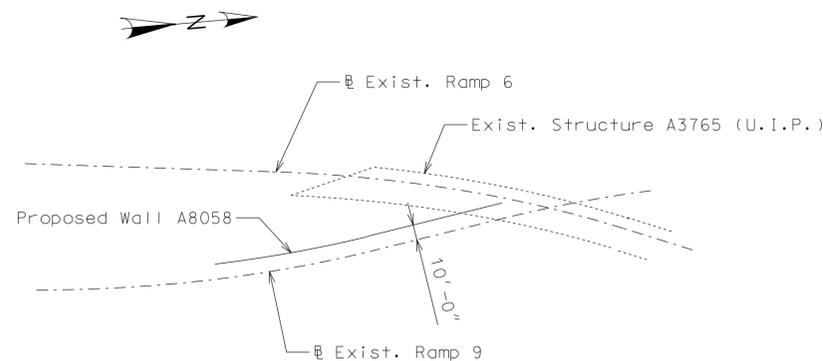
LIMITS OF CLASS 1 EXCAVATION

(*) Porous aggregate full length of wall. (See Standard Spec 206.4.10)

Cost of porous aggregate is included in the contract unit price for other items.

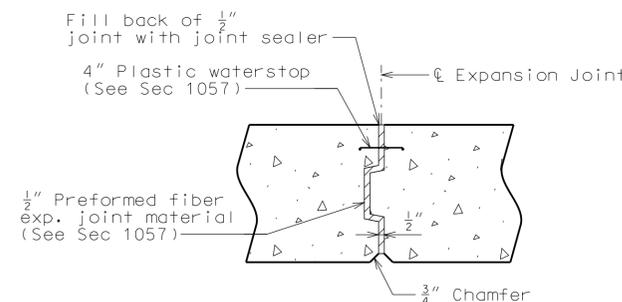


TYPICAL SECTION THRU WALL

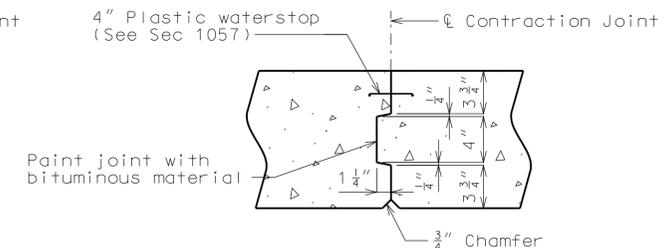


LOCATION SKETCH

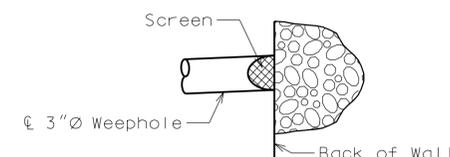
| Foundation Data | | |
|-----------------|---------------------|-------|
| Spread Footing | Foundation Material | Clay |
| | Design Bearing | ksf 2 |



SECTION THRU EXPANSION JOINT



SECTION THRU CONTRACTION JOINT



DETAIL "A"

B.M. #1 "□" ON CONC. BASE OF SIGN POST, 9' LT. OF STA. 0+00 ∅ I-270 N.. ELEV. 530.38

RETAINING WALL 10' RIGHT OF ∅ OF RAMP 9

STATE ROAD AT I-70 AND I-270 INTERCHANGE

ABOUT 2.7 MILES EAST OF MISSOURI RIVER

STA. 22+11 ∅ RAMP 9

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED 7/21/2011

ROUTE I-270 STATE MO

DISTRICT BR SHEET NO. 1

COUNTY ST. LOUIS

JOB NO. J6P2354

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A8058

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

MoDOT

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.