For CONSTRUCTION
JOINT DETAIL, see
Dwg.12 of Sl.

For TYPICAL EXPANSION
JOINT DETAIL, see
Dwg.12 of Sl.

Case IV - Adjacent Traffic Barrier
(Not Shown) see Dwg.15 of Sl.

Case II - Level
Fill with 2'0
Surcharge
(Traffic)

Case I - Level
Fill

Outside Face

SECTION A-A

CONSTRUCTION
JOINT DETAIL

Case III - 2'1 (Max.) Sloping Fill

NOTES:

For STRUCTURAL
EXCAVATION LIMITS
and STRUCTURE BACKFILL
LIMITS, see Dwg.14 of Sl.

For REINFORCING STEEL
JOINTS and REINFORCING STEEL
DIMENSIONS, see Dwg.14 of Sl.

For RETAINING WALL
DIMENSIONS, QUANTITIES
AND ADDITIONAL DETAILS,
see Dwg.1, 1012 to 51.

GENERAL NOTES:

Construction Specifications - Arizona Department of Transportation Standard Specifications for Road and Bridge Construction, latest edition.


Design:

1. Soil weight = 120 psf.
2. Basefill angle of internal friction = 37°
3. Existing ground angle of internal friction = 31°

All Concrete shall be Class '5' (f'c = 3000 psi).

Reinforcing steel shall conform to ASTM Specification A615. All reinforcing shall be furnished as Grade 60.

All bars and hooks shall meet the requirements of AASHTO LRFD Article 5.10. All bend dimensions for reinforcing steel shall be out of out of bars. All placement dimensions for reinforcing steel shall be to center of bars unless noted otherwise.

All reinforcing steel shall have 2 inch clear cover unless noted otherwise.

Cheese all exposed corners 3/4" unless noted otherwise.

Compact structure backfill for footing and wall base minimum 100 percent of ASTM D698 max. dry density.

See Project Plans for wall layout, top of footing and finished grade elevations, footing stop and wall joint locations. Construction Joints shall match the locations of contraction joints.

See Project Plans for wall surface treatment. Increase the wall thickness at the face for the depth of surface treatment.

Dimensions shall not be scaled from drawings.

Pay Item measure of square foot of wall constructed is measured along front face of wall from top of footing to top of wall cap. Pay Item includes all labor and materials for excavation, backfill, drainage and reinforced concrete wall with footing.

Item No. 9140178 RETAINING WALL REINFORCED CONCRETE CANTILEVER:

Measure: Square Foot

TYPICAL SECTION
(Line L, L, LIII)

Wall Layout Line

3'0 Cir. / 5'0 Cir. / 3'0 Cir.

6 Bars

X

S1 Bars

S2 Bars

S3 Bars

1'0 Min. (Typ.)

Expansion Joint

Construction Joint

U Bars

V Bars

H Bars

Expansion Joint

T Bars

F2 Bars

S1 Bars

F1 Bars

Y Bars

Typical Elevation

(Typical Wall Reinforcing)

(Typical Face Reinforcing)

NOTES:

For RETAINING WALL
DIMENSIONS, QUANTITIES
AND ADDITIONAL DETAILS,
see Dwg.1, 1012 to 51.

Not

Typical Elevation

(Typical Face Reinforcing)

Typical Elevation

(Typical Wall Reinforcing)

Typical Section

(Line L, L, LIII)

Wall Layout Line

6 Bars

X

S1 Bars

S2 Bars

S3 Bars

1'0 Min. (Typ.)

 Expansion Joint

Construction Joint

U Bars

V Bars

H Bars

Expansion Joint

T Bars

F2 Bars

S1 Bars

F1 Bars

Y Bars

Typical Elevation

(Typical Wall Reinforcing)

(Typical Face Reinforcing)

NOTES:

For RETAINING WALL
DIMENSIONS, QUANTITIES
AND ADDITIONAL DETAILS,
see Dwg.1, 1012 to 51.

Not

Typical Elevation

(Typical Face Reinforcing)

Typical Elevation

(Typical Wall Reinforcing)

Typical Section

(Line L, L, LIII)

Wall Layout Line

6 Bars

X

S1 Bars

S2 Bars

S3 Bars

1'0 Min. (Typ.)

 Expansion Joint

Construction Joint

U Bars

V Bars

H Bars

Expansion Joint

T Bars

F2 Bars

S1 Bars

F1 Bars

Y Bars

Typical Elevation

(Typical Wall Reinforcing)

(Typical Face Reinforcing)

NOTES:

For RETAINING WALL
DIMENSIONS, QUANTITIES
AND ADDITIONAL DETAILS,
see Dwg.1, 1012 to 51.

Not

Typical Elevation

(Typical Face Reinforcing)

Typical Elevation

(Typical Wall Reinforcing)

Typical Section

(Line L, L, LIII)

Wall Layout Line

6 Bars

X

S1 Bars

S2 Bars

S3 Bars

1'0 Min. (Typ.)

 Expansion Joint

Construction Joint

U Bars

V Bars

H Bars

Expansion Joint

T Bars

F2 Bars

S1 Bars

F1 Bars

Y Bars

Typical Elevation

(Typical Wall Reinforcing)

(Typical Face Reinforcing)

NOTES:

For RETAINING WALL
DIMENSIONS, QUANTITIES
AND ADDITIONAL DETAILS,
see Dwg.1, 1012 to 51.

Not

Typical Elevation

(Typical Face Reinforcing)

Typical Elevation

(Typical Wall Reinforcing)

Typical Section

(Line L, L, LIII)

Wall Layout Line

6 Bars

X

S1 Bars

S2 Bars

S3 Bars

1'0 Min. (Typ.)

 Expansion Joint

Construction Joint

U Bars

V Bars

H Bars

Expansion Joint

T Bars

F2 Bars

S1 Bars

F1 Bars

Y Bars

Typical Elevation

(Typical Wall Reinforcing)

(Typical Face Reinforcing)

NOTES:

For RETAINING WALL
DIMENSIONS, QUANTITIES
AND ADDITIONAL DETAILS,
see Dwg.1, 1012 to 51.