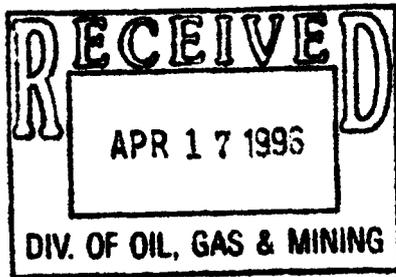


Erosion Monitoring Station

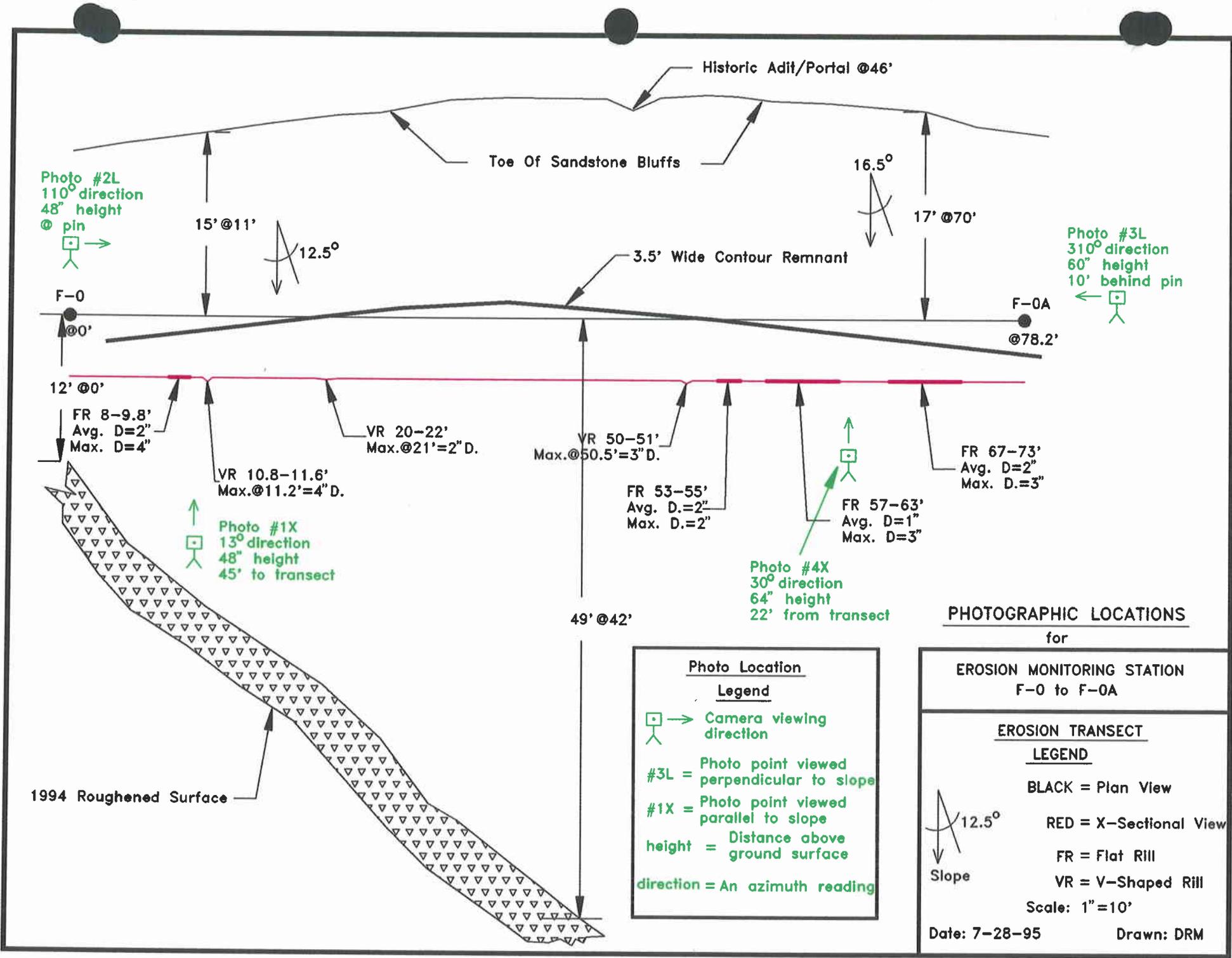
for the

J. B. King Mine



**F-Series and A-D Series, X & L Sections
Photos taken August 15-17, 1995**

Prepared by Western States Minerals Corporation



PHOTOGRAPHIC LOCATIONS
for

EROSION MONITORING STATION
F-0 to F-0A

EROSION TRANSECT
LEGEND

- BLACK = Plan View
- RED = X-Sectional View
- FR = Flat Rill
- VR = V-Shaped Rill
- Scale: 1"=10'
- Date: 7-28-95
- Drawn: DRM

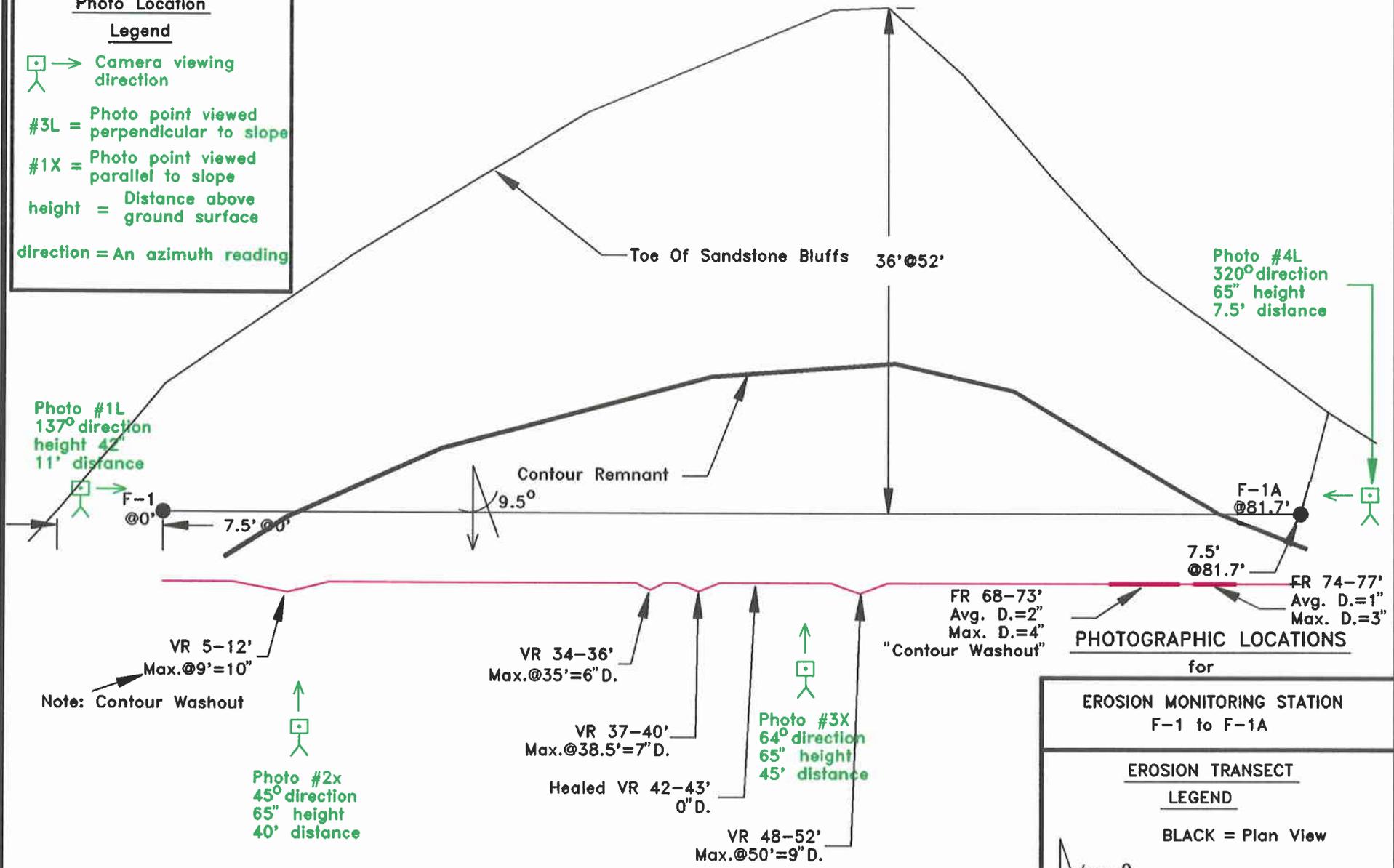
Photo Location
Legend

- Camera viewing direction
- #3L = Photo point viewed perpendicular to slope
- #1X = Photo point viewed parallel to slope
- height = Distance above ground surface
- direction = An azimuth reading

Photo Location

Legend

-  → Camera viewing direction
- #3L = Photo point viewed perpendicular to slope
- #1X = Photo point viewed parallel to slope
- height = Distance above ground surface
- direction = An azimuth reading



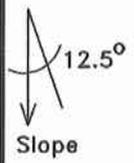
PHOTOGRAPHIC LOCATIONS

EROSION MONITORING STATION
F-1 to F-1A

EROSION TRANSECT

LEGEND

- BLACK = Plan View
- RED = X-Sectional View
- FR = Flat Rill
- VR = V-Shaped Rill

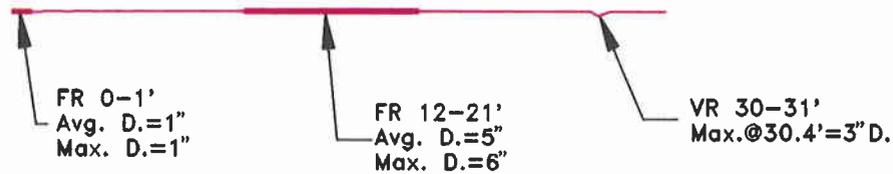
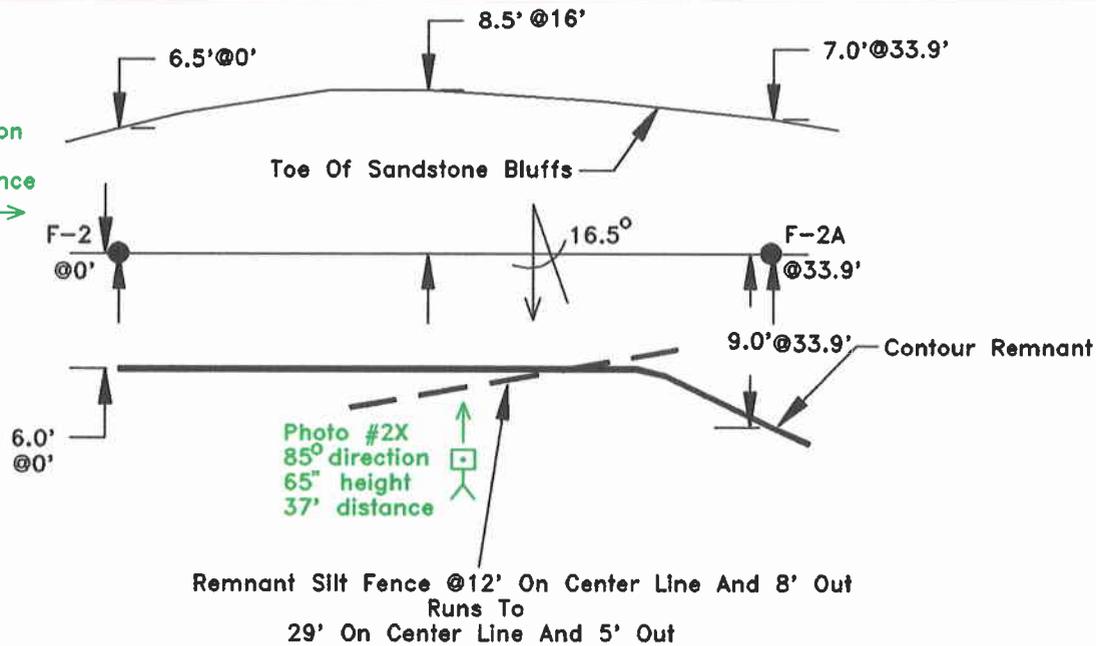


Scale: 1" = 10'

Date: 7-28-95

Drawn: DRM

Photo #1L
172° direction
65" height
11.5' distance



PHOTOGRAPHIC LOCATIONS
for

EROSION MONITORING STATION
F-2 to F-2A

EROSION TRANSECT
LEGEND

BLACK = Plan View

RED = X-Sectional View

FR = Flat Rill

VR = V-Shaped Rill

Scale: 1"=10'

Date: 7-28-95

Drawn: DRM

Photo Location

Legend

Camera viewing direction

#3L = Photo point viewed perpendicular to slope

#1X = Photo point viewed parallel to slope

height = Distance above ground surface

direction = An azimuth reading

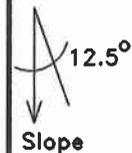
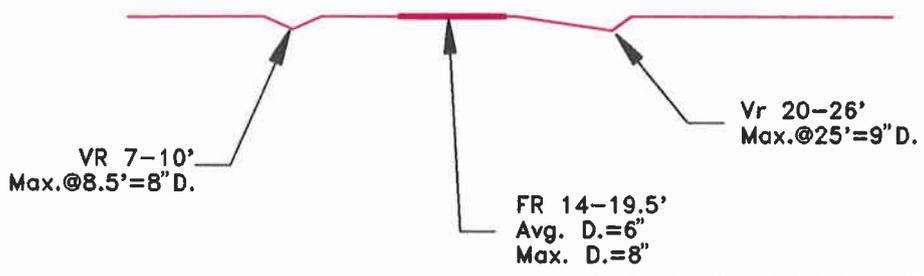
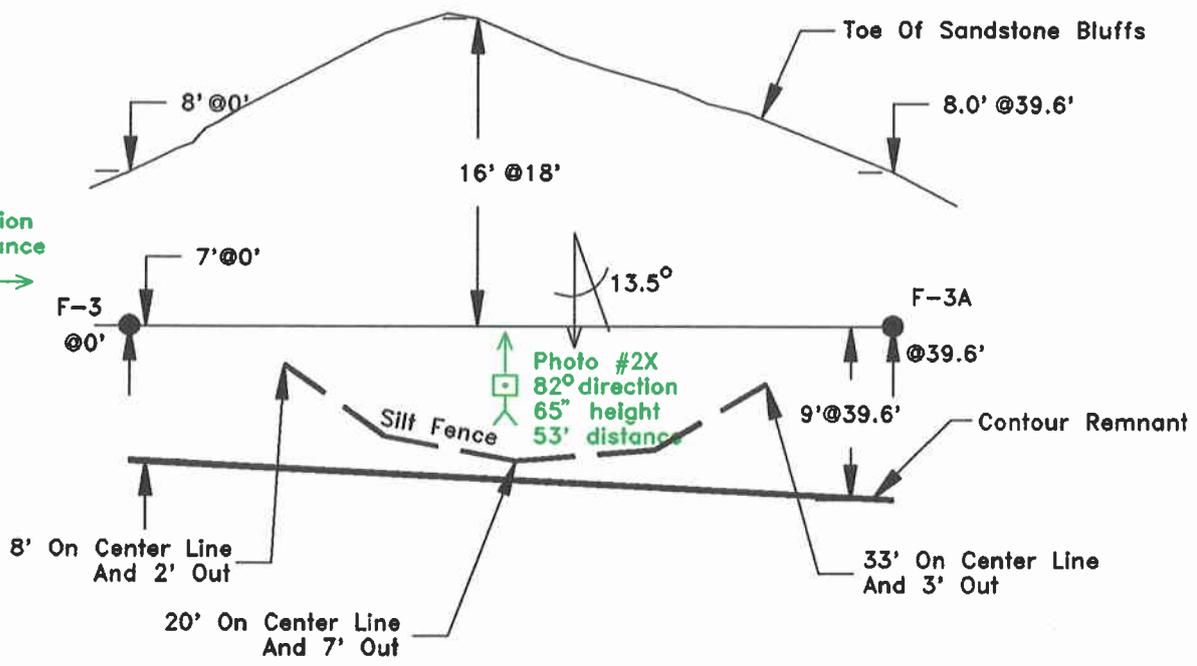


Photo #1L
168° direction
12.5' distance



PHOTOGRAPHIC LOCATIONS

for

EROSION MONITORING STATION
F-3 to F-3A

EROSION TRANSECT

LEGEND

BLACK = Plan View

RED = X-Sectional View

FR = Flat Rill

VR = V-Shaped Rill

Scale: 1" = 10'

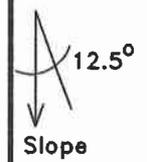


Photo Location
Legend

→ Camera viewing direction

#3L = Photo point viewed perpendicular to slope

#1X = Photo point viewed parallel to slope

height = Distance above ground surface

direction = An azimuth reading

Date: 7-28-95

Drawn: DRM

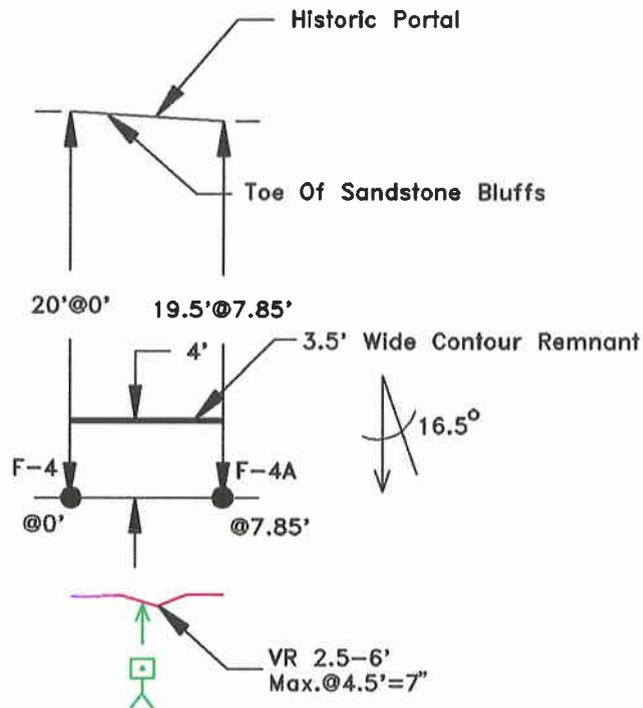


Photo #1X
77° direction
65" height
23' distance

| Photo Location Legend | |
|-----------------------|-------------------------------------------|
| | Camera viewing direction |
| #3L | Photo point viewed perpendicular to slope |
| #1X | Photo point viewed parallel to slope |
| height | Distance above ground surface |
| direction | An azimuth reading |

PHOTOGRAPHIC LOCATIONS

for

EROSION MONITORING STATION
F-4 to F-4A

EROSION TRANSECT

LEGEND

BLACK = Plan View

RED = X-Sectional View

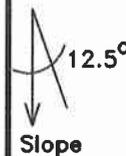
FR = Flat Rill

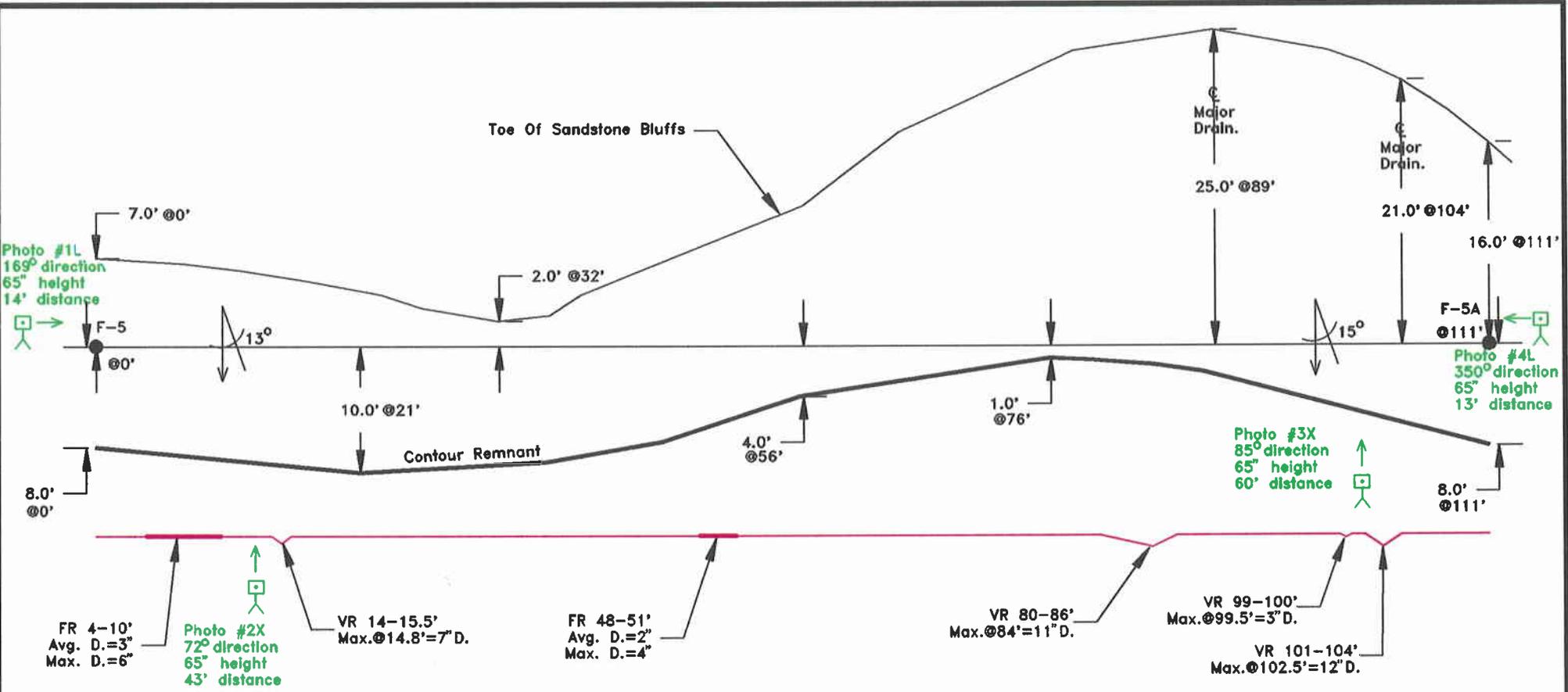
VR = V-Shaped Rill

Scale: 1"=10'

Date: 7-28-95

Drawn: DRM





PHOTOGRAPHIC LOCATIONS

for

EROSION MONITORING STATION
F-5 to F-5A

EROSION TRANSECT

LEGEND

BLACK = Plan View

RED = X-Sectional View

FR = Flat Rill

VR = V-Shaped Rill

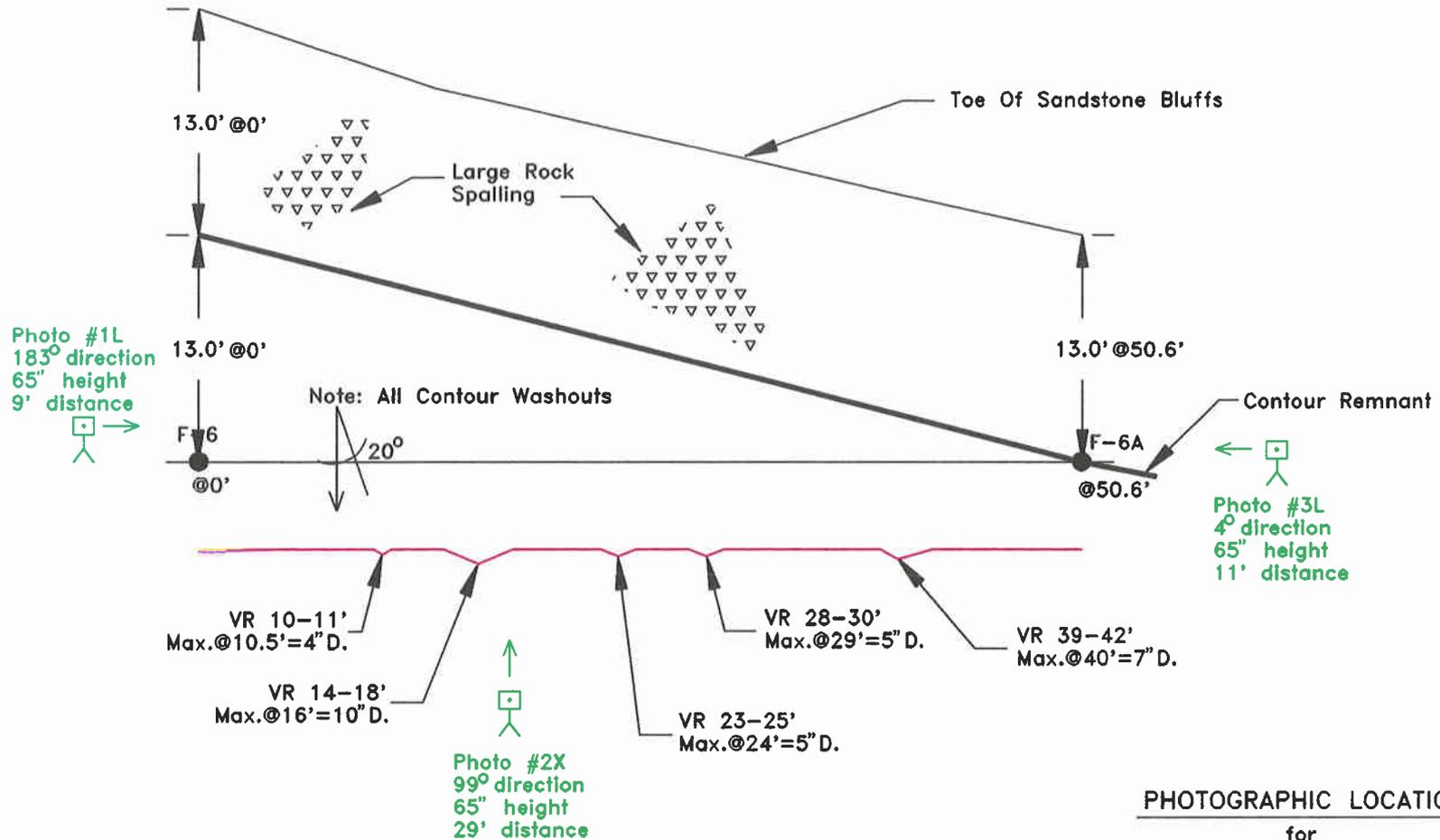
Scale: 1" = 12'

Date: 7-28-95

Drawn: DRM

Photo Location Legend

→ Camera viewing direction
 = Photo point viewed perpendicular to slope
 = Photo point viewed parallel to slope
 height = Distance above ground surface
 direction = An azimuth reading



PHOTOGRAPHIC LOCATIONS

for

**EROSION MONITORING STATION
F-6 to F-6A**

**EROSION TRANSECT
LEGEND**

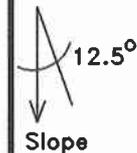
BLACK = Plan View

RED = X-Sectional View

FR = Flat Rill

VR = V-Shaped Rill

Scale: 1"=10'



Date: 7-28-95

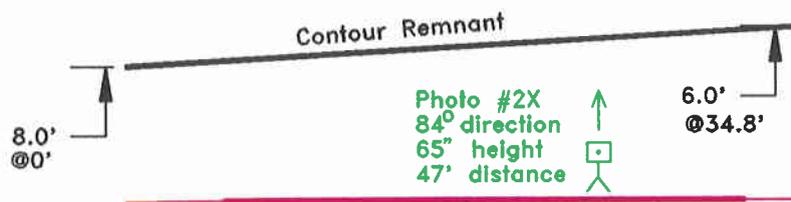
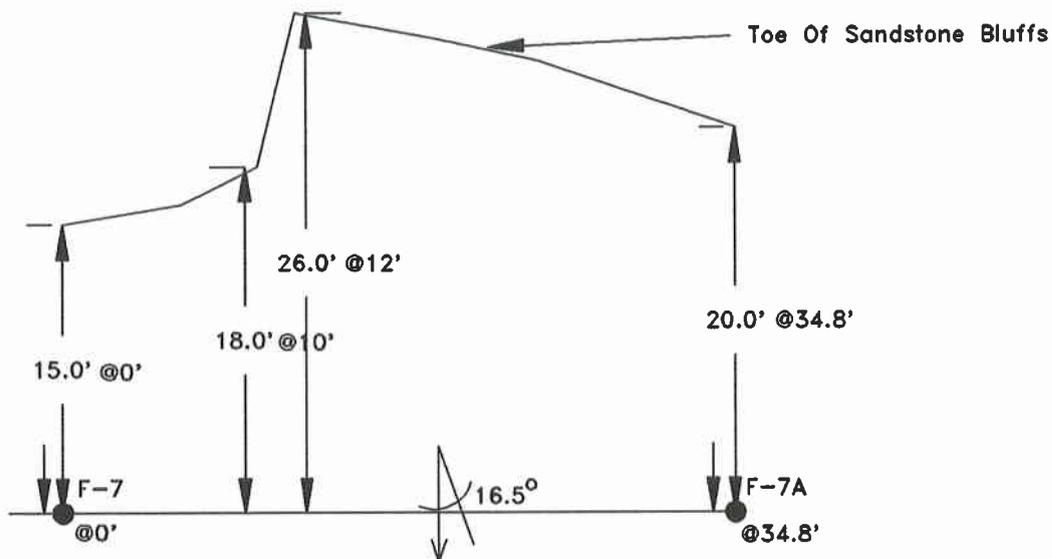
Drawn: DRM

Photo Location

Legend

- Camera viewing direction
- #3L = Photo point viewed perpendicular to slope
- #1X = Photo point viewed parallel to slope
- height = Distance above ground surface
- direction = An azimuth reading

Photo #1L
 182° direction
 65" height
 13' distance



Rill Field 5-32'
 Nothing Deeper than 3"
 And Mostly FR

Photo Location Legend

→ Camera viewing direction

#3L = Photo point viewed perpendicular to slope

#1X = Photo point viewed parallel to slope

height = Distance above ground surface

direction = An azimuth reading

PHOTOGRAPHIC LOCATIONS

for

EROSION MONITORING STATION
 F-7 to F-7A

EROSION TRANSECT

LEGEND

BLACK = Plan View

RED = X-Sectional View

FR = Flat Rill

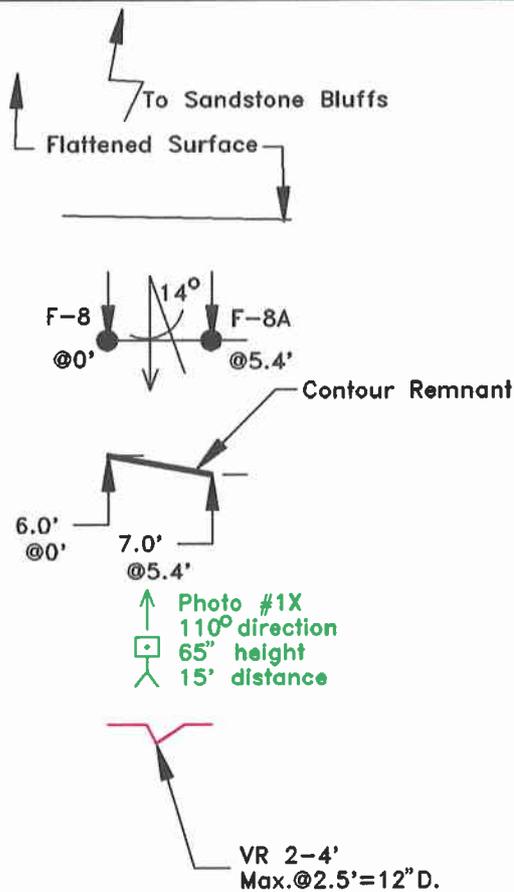
VR = V-Shaped Rill

Scale: 1"=10'

Date: 7-28-95

Drawn: DRM





PHOTOGRAPHIC LOCATIONS
for

EROSION MONITORING STATION
F-8 to F-8A

EROSION TRANSECT
LEGEND

BLACK = Plan View

RED = X-Sectional View

FR = Flat Rill

VR = V-Shaped Rill

Scale: 1" = 10'

Date: 7-28-95

Drawn: DRM

Photo Location

Legend

- Camera viewing direction
- Photo point viewed perpendicular to slope
- Photo point viewed parallel to slope
- height = Distance above ground surface
- direction = An azimuth reading

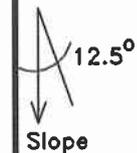


Photo #1L
205° direction
65" height
10' distance



F-9

@0'

13.0' @0'

Photo #2X
90° direction
65" height
15' distance



12.5°

Photo #3X
95° direction
65" height
17' distance



F-9A

@44.5'

Photo #4L
24° direction
65" height
7' distance



Contour Remnant

8.0'
@44.5'

Silt Fence

VR 2-6.5'
Max. @3.5' = 15" D.
Repaired Not Healed

VR 7.5-9'
Max. @8' = 7" D.

VR 12-13'
Max. @12.5' = 4" D.

VR 14-19'
Max. @18' = 6" D.
Repaired And Healed

VR 26-28'
Max. = 4" D.
Healed

VR 30.5-36'
Max. @34' = 15" D.

VR 41-43'
Max. @42' = 17" D.

To Sandstone Bluffs

Flattened Area

Rills Begin At Crest
Of Flat Area And Slope

PHOTOGRAPHIC LOCATIONS

for

EROSION MONITORING STATION
F-9 to F-9A

EROSION TRANSECT

LEGEND

BLACK = Plan View

RED = X-Sectional View

FR = Flat Rill

VR = V-Shaped Rill

Scale: 1" = 10'

Date: 7-28-95

Drawn: DRM

Photo Location

Legend



→ Camera viewing direction

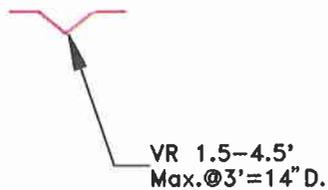
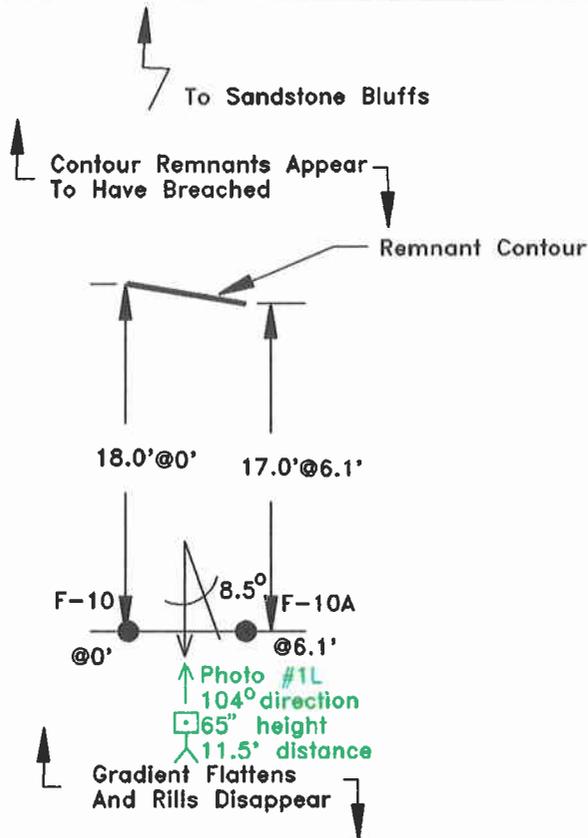
#3L = Photo point viewed perpendicular to slope

#1X = Photo point viewed parallel to slope

height = Distance above ground surface

direction = An azimuth reading





PHOTOGRAPHIC LOCATIONS

for

EROSION MONITORING STATION
F-10 to F-10A

EROSION TRANSECT

LEGEND

BLACK = Plan View

RED = X-Sectional View

FR = Flat Rill

VR = V-Shaped Rill

Scale: 1"=10'

Date: 7-28-95

Drawn: DRM

Photo Location

Legend

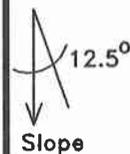
☐ → Camera viewing direction

#3L = Photo point viewed perpendicular to slope

#1X = Photo point viewed parallel to slope

height = Distance above ground surface

direction = An azimuth reading



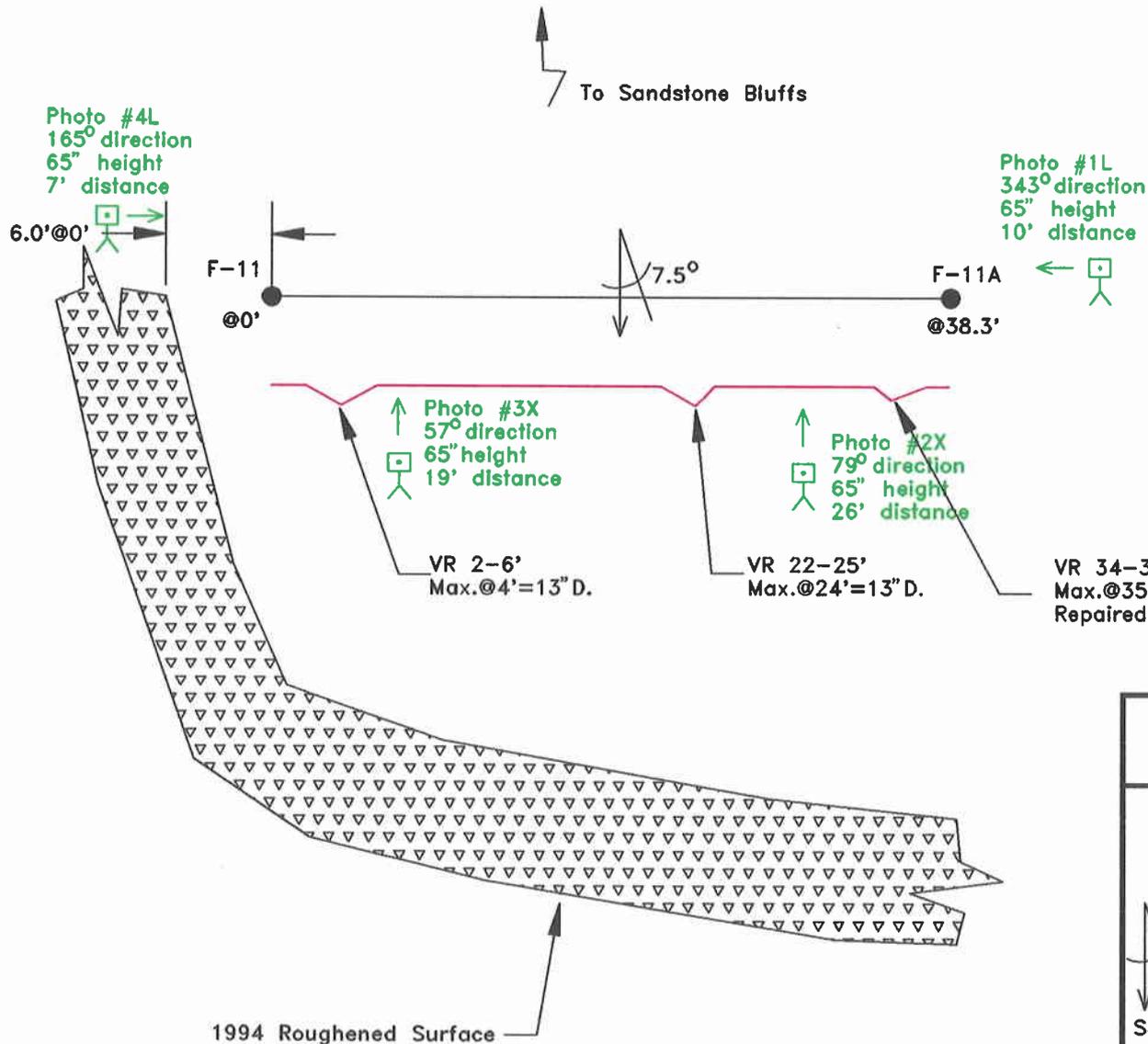


Photo Location
Legend

Camera viewing direction

#3L = Photo point viewed perpendicular to slope

#1X = Photo point viewed parallel to slope

height = Distance above ground surface

direction = An azimuth reading

PHOTOGRAPHIC LOCATIONS
for
EROSION MONITORING STATION
F-11 to F-11A

EROSION TRANSECT
LEGEND

BLACK = Plan View

12.5°
Slope

RED = X-Sectional View

FR = Flat Rill

VR = V-Shaped Rill

Scale: 1" = 10'

Date: 7-28-95 Drawn: DRM

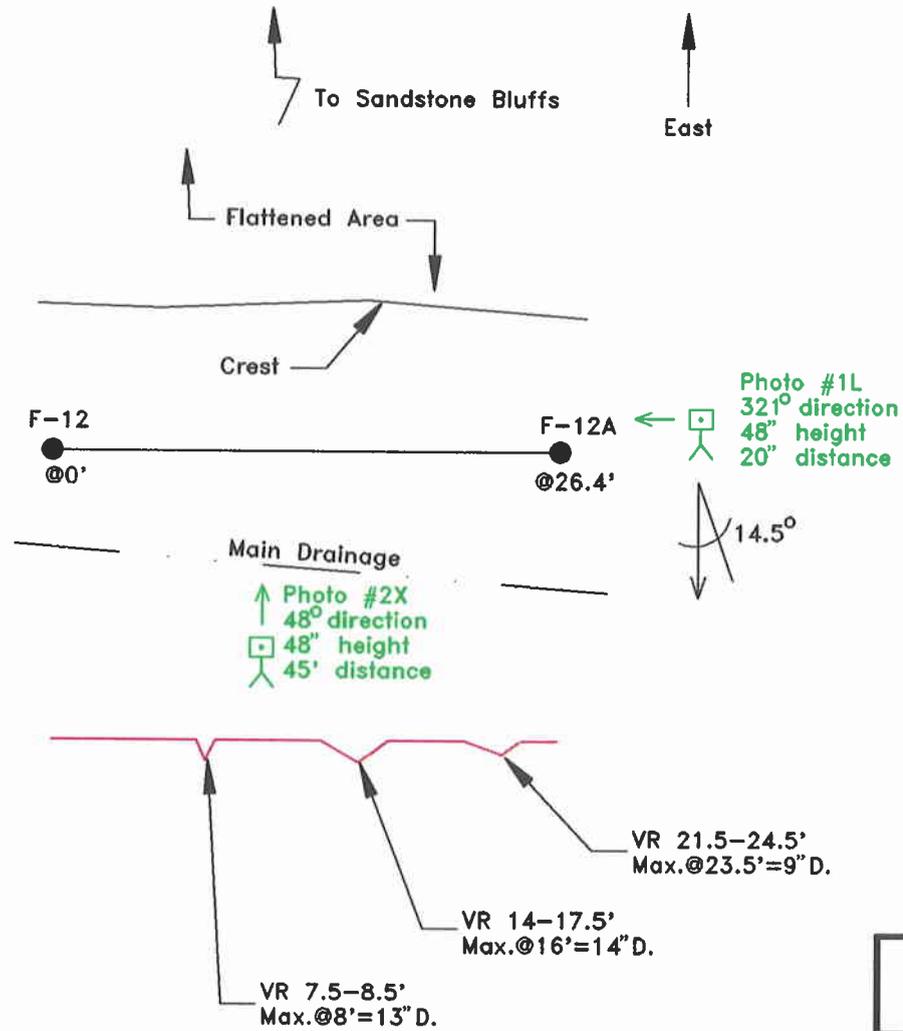


Photo Location Legend

→ Camera viewing direction
 #3L = Photo point viewed perpendicular to slope
 #1X = Photo point viewed parallel to slope
 height = Distance above ground surface
 direction = An azimuth reading

PHOTOGRAPHIC LOCATIONS

for

EROSION MONITORING STATION
F-12 to F-12A

EROSION TRANSECT

LEGEND

BLACK = Plan View
 RED = X-Sectional View
 FR = Flat Rill
 VR = V-Shaped Rill
 Scale: 1"=10'
 Date: 7-28-95 Drawn: DRM

12.5°
 Slope

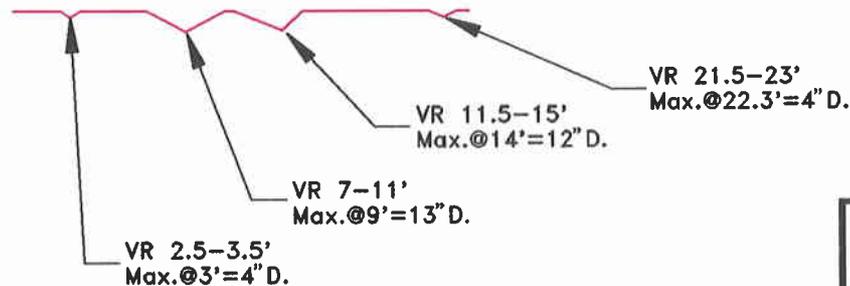
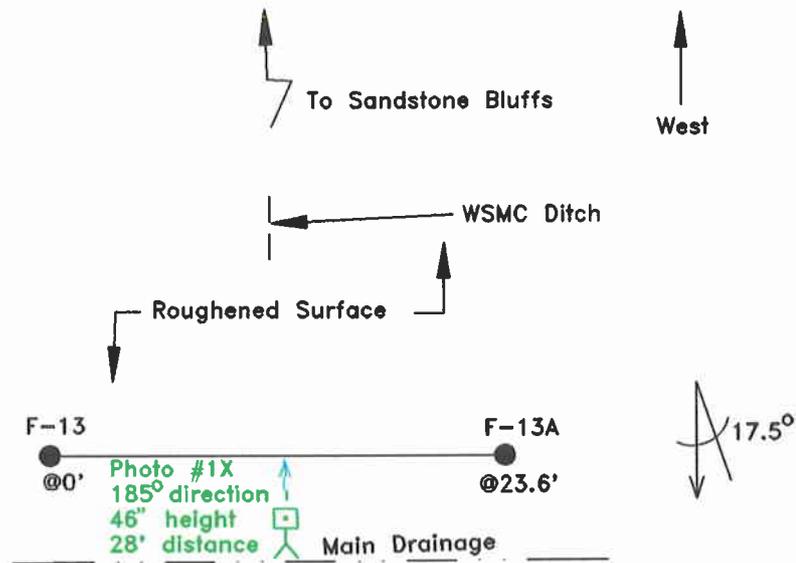


Photo Location Legend

→ Camera viewing direction

#3L = Photo point viewed perpendicular to slope
 #1X = Photo point viewed parallel to slope
 height = Distance above ground surface
 direction = An azimuth reading

PHOTOGRAPHIC LOCATIONS

for

EROSION MONITORING STATION
F-13 to F-13A

EROSION TRANSECT

LEGEND

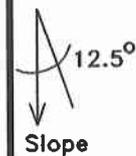
BLACK = Plan View

RED = X-Sectional View

FR = Flat Rill

VR = V-Shaped Rill

Scale: 1"=10'



Date: 7-28-95

Drawn: DRM

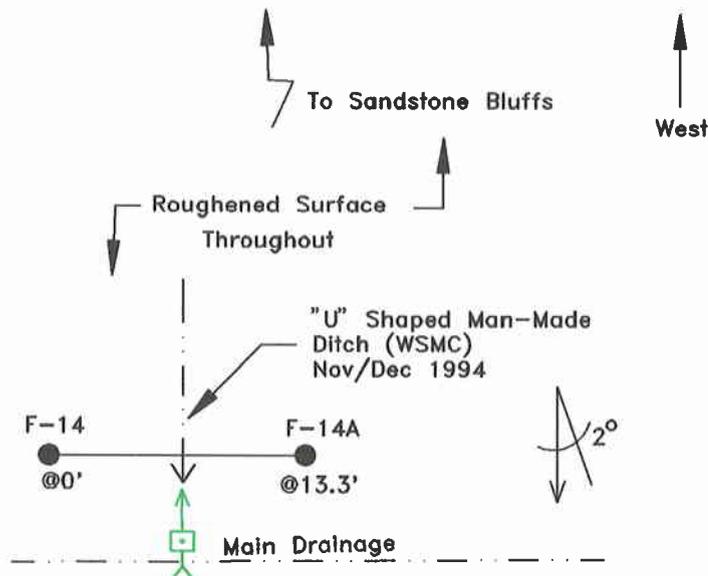


Photo #1X
 175° direction
 48" height
 20' distance

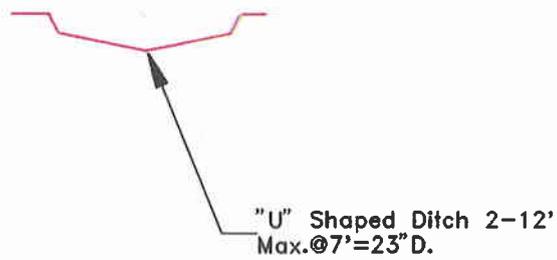


Photo Location Legend

→ Camera viewing direction
 #3L = Photo point viewed perpendicular to slope
 #1X = Photo point viewed parallel to slope
 height = Distance above ground surface
 direction = An azimuth reading

PHOTOGRAPHIC LOCATIONS
 for
EROSION MONITORING STATION
 F-14 to F-14A

EROSION TRANSECT LEGEND

BLACK = Plan View
 RED = X-Sectional View
 FR = Flat Rill
 VR = V-Shaped Rill
 Scale: 1"=10'
 Date: 7-28-95 Drawn: DRM

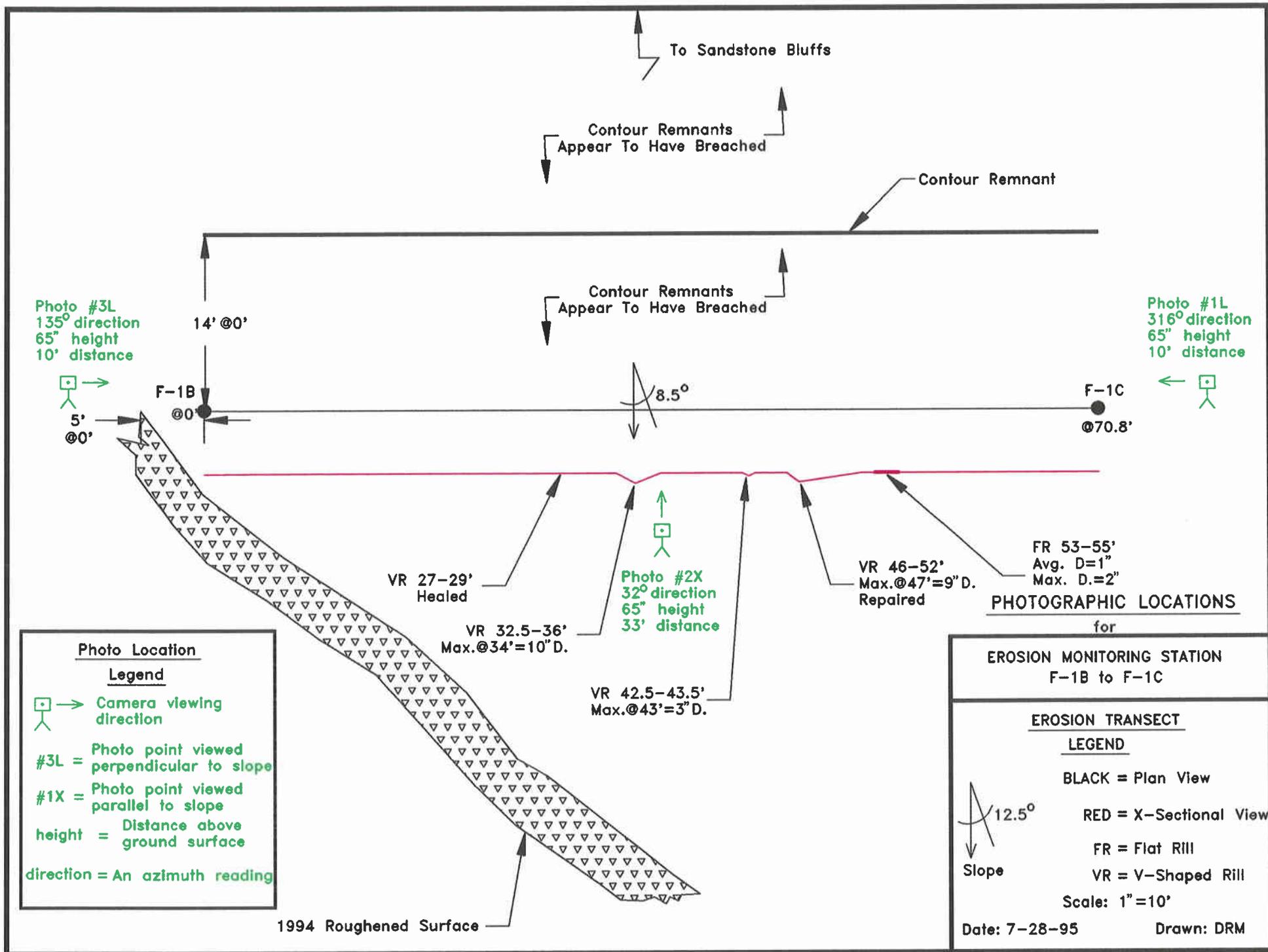


Photo #3L
135° direction
65" height
10' distance

Photo #1L
316° direction
65" height
10' distance

Photo #2X
32° direction
65" height
33' distance

Photo Location Legend

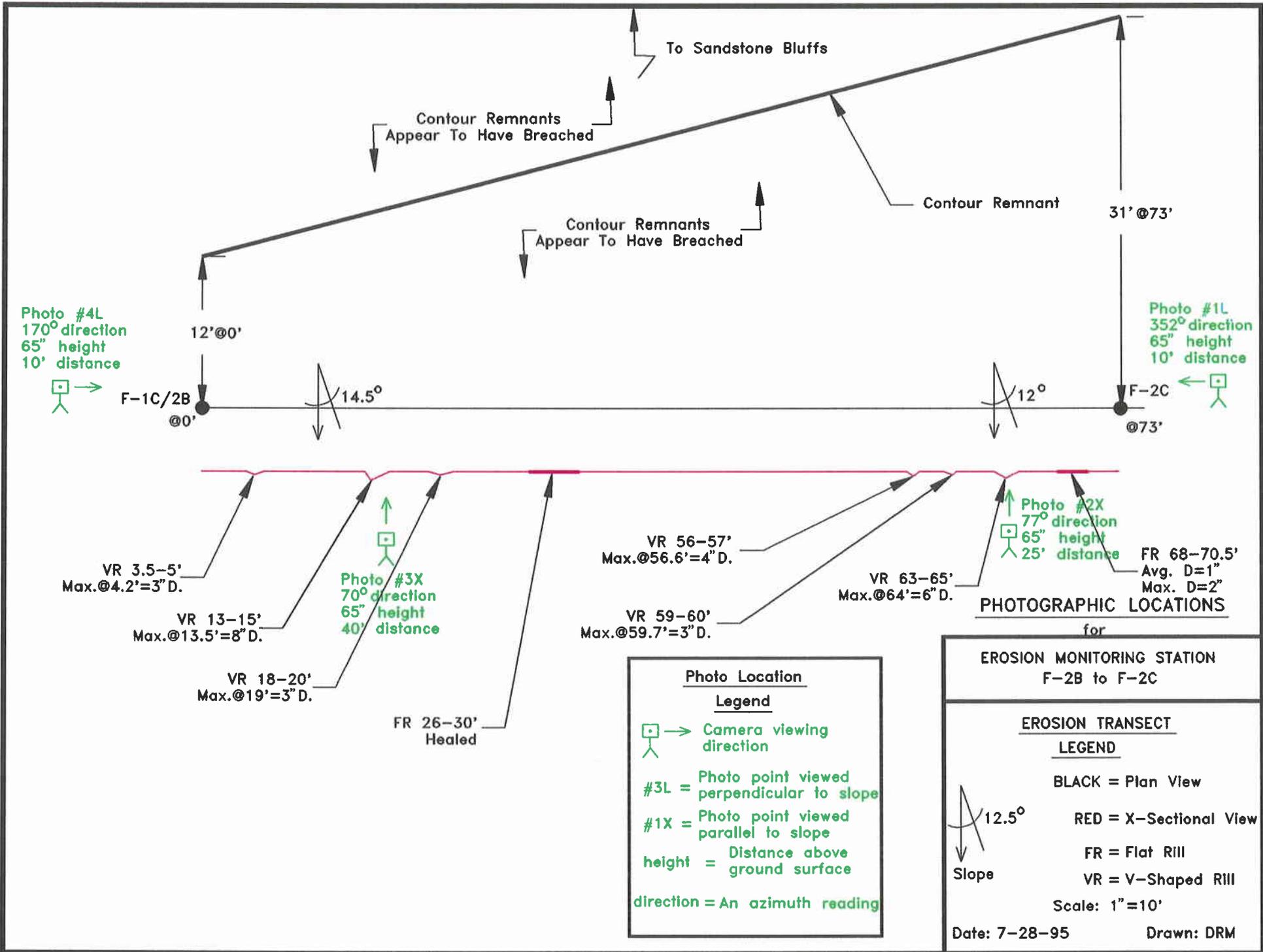
Camera viewing direction
 #3L = Photo point viewed perpendicular to slope
 #1X = Photo point viewed parallel to slope
 height = Distance above ground surface
 direction = An azimuth reading

PHOTOGRAPHIC LOCATIONS
for
EROSION MONITORING STATION
F-1B to F-1C

EROSION TRANSECT LEGEND

BLACK = Plan View
 RED = X-Sectional View
 FR = Flat Rill
 VR = V-Shaped Rill
 Scale: 1"=10'
 Date: 7-28-95 Drawn: DRM

1994 Roughened Surface



To Sandstone Bluffs

Contour Remnants
Appear To Have Breached

Contour Remnants
Appear To Have Breached

Contour Remnant

31' @ 73'

Photo #4L
170° direction
65' height
10' distance

12' @ 0'

F-1C/2B
@ 0'

14.5°

12°

F-2C
@ 73'

Photo #1L
352° direction
65' height
10' distance

VR 3.5-5'
Max. @ 4.2' = 3" D.

VR 13-15'
Max. @ 13.5' = 8" D.

VR 18-20'
Max. @ 19' = 3" D.

Photo #3X
70° direction
65' height
40' distance

FR 26-30'
Healed

VR 56-57'
Max. @ 56.6' = 4" D.

VR 59-60'
Max. @ 59.7' = 3" D.

VR 63-65'
Max. @ 64' = 6" D.

Photo #2X
77° direction
65' height
25' distance

FR 68-70.5'
Avg. D = 1"
Max. D = 2"

PHOTOGRAPHIC LOCATIONS

for

EROSION MONITORING STATION
F-2B to F-2C

EROSION TRANSECT

LEGEND

BLACK = Plan View

RED = X-Sectional View

FR = Flat Rill

VR = V-Shaped Rill

Scale: 1" = 10'

Date: 7-28-95

Drawn: DRM

Photo Location

Legend

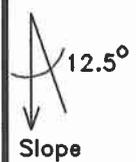
Camera viewing direction

#3L = Photo point viewed perpendicular to slope

#1X = Photo point viewed parallel to slope

height = Distance above ground surface

direction = An azimuth reading



To Sandstone Bluffs

Unrecorded Contour Remnant

Photo #1L
185° direction
65" height
7' distance

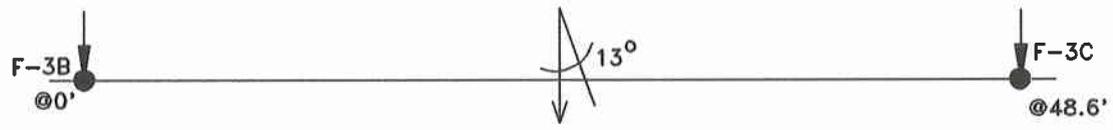


Photo #3L
5° direction
65" height
10' distance



Contour Remnant

Note: No Washouts Below Contour Remnant Between Reference Points



Photo #2X
78° direction
65" height
26' distance



VR 1.5-3'
Max. @2'=5" D.

VR 4-7.5'
Max. @6'=8" D.

VR 9-10.5'
Max. @10'=5" D.

VR 14-17'
Max. @15'=10" D.

VR 20-20.8'
Max. @20.3'=3" D.

VR 24.5-25.5'
Max. @25'=4" D.

VR 35.8-36.8'
Max. @36.2'=4" D.

PHOTOGRAPHIC LOCATIONS

for

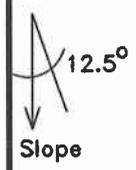
EROSION MONITORING STATION
F-3B to F-3C

EROSION TRANSECT

LEGEND

- BLACK = Plan View
- RED = X-Sectional View
- FR = Flat Rill
- VR = V-Shaped Rill

Scale: 1"=10'



Slope

Photo Location Legend

- Camera viewing direction
- #3L = Photo point viewed perpendicular to slope
- #1X = Photo point viewed parallel to slope
- height = Distance above ground surface
- direction = An azimuth reading

Date: 7-28-95

Drawn: DRM

To Sandstone Bluffs

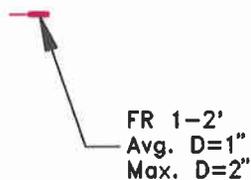
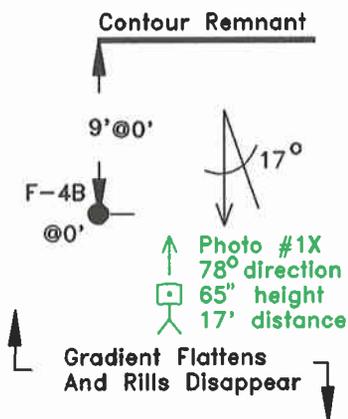


Photo Location

Legend

- Camera viewing direction
- #3L = Photo point viewed perpendicular to slope
- #1X = Photo point viewed parallel to slope
- height = Distance above ground surface
- direction = An azimuth reading

PHOTOGRAPHIC LOCATIONS

for

EROSION MONITORING STATION

F-4B

EROSION TRANSECT

LEGEND

- BLACK = Plan View
 - RED = X-Sectional View
 - FR = Flat Rill
 - VR = V-Shaped Rill
- 12.5°
- Slope

Scale: 1"=10'

Date: 7-28-95

Drawn: DRM

To Sandstone Bluffs

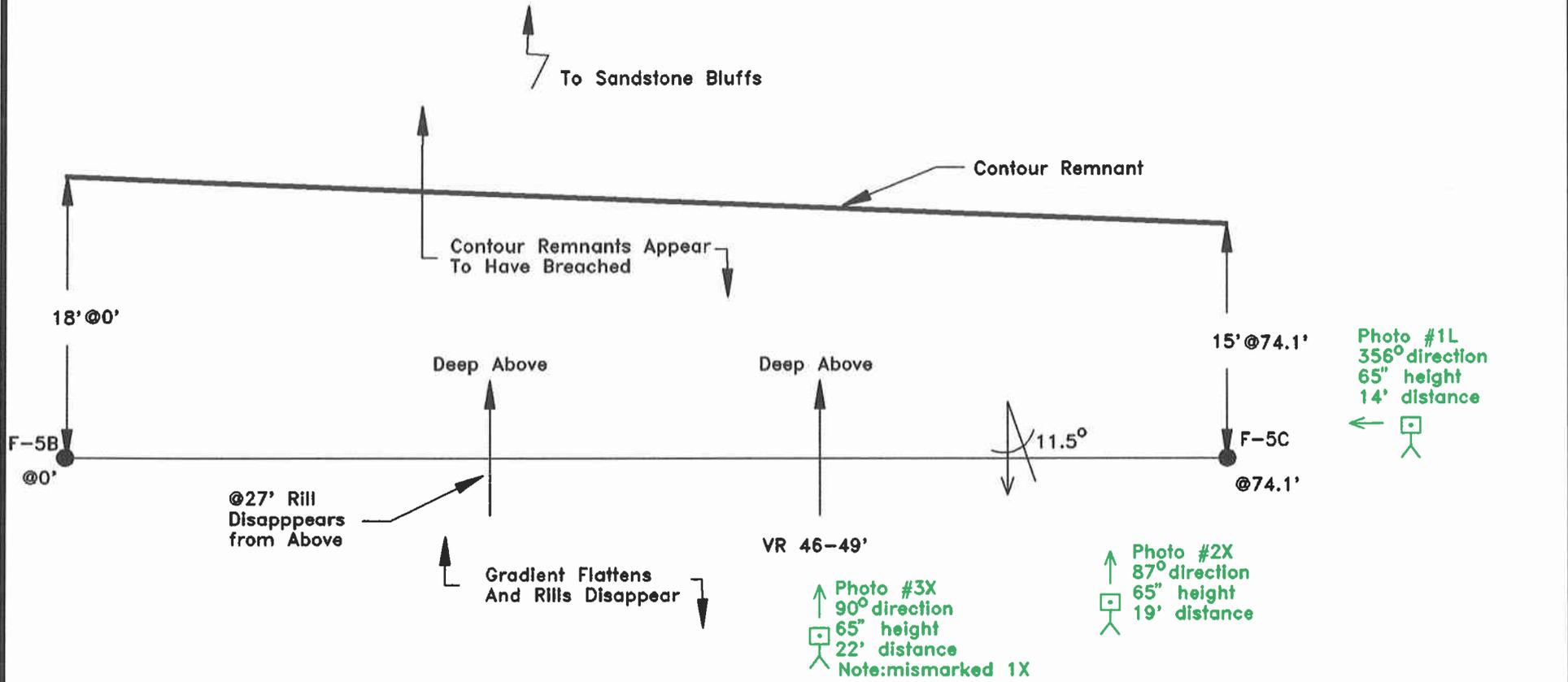


Photo #1L
356° direction
65" height
14' distance

Photo #2X
87° direction
65" height
19' distance

Photo #3X
90° direction
65" height
22' distance
Note: mismarked 1X

PHOTOGRAPHIC LOCATIONS
for

EROSION MONITORING STATION
F-5B to F-5C

EROSION TRANSECT
LEGEND

BLACK = Plan View
RED = X-Sectional View
FR = Flat Rill
VR = V-Shaped Rill
Scale: 1" = 10'
Date: 7-28-95 Drawn: DRM

Photo Location Legend

☐ → Camera viewing direction

#3L = Photo point viewed perpendicular to slope

#1X = Photo point viewed parallel to slope

height = Distance above ground surface

direction = An azimuth reading

FR 3-7'
Avg. D=2"
Max. D=3"

FR 41-43'
Healed

VR 46-49'
Max. @48'=3" D.

VR 63-66'
Max. @64'=9" D.

VR 69-71'
Max. @70'=3" D.

@27' Rill Disappears from Above

Gradient Flattens And Rills Disappear

Deep Above

Deep Above

VR 46-49'

11.5°

18' @0'

15' @74.1'

F-5B @0'

F-5C @74.1'

Contour Remnants Appear To Have Breached

Contour Remnant

To Sandstone Bluffs

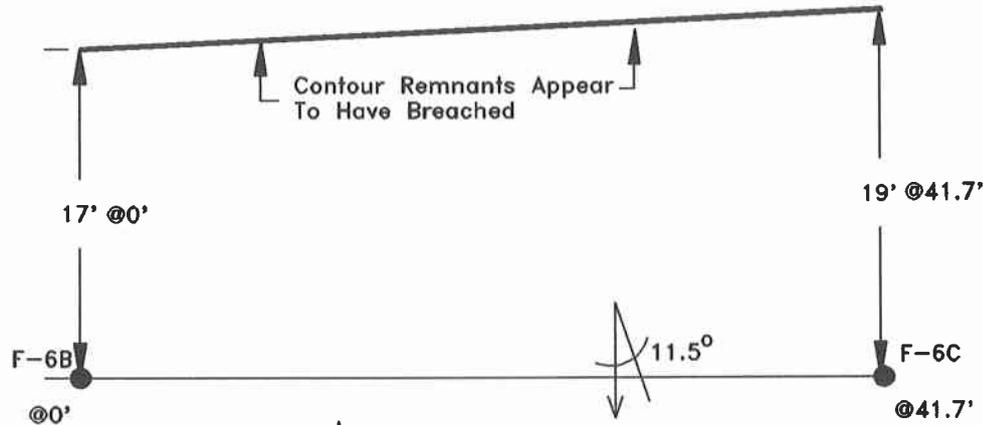


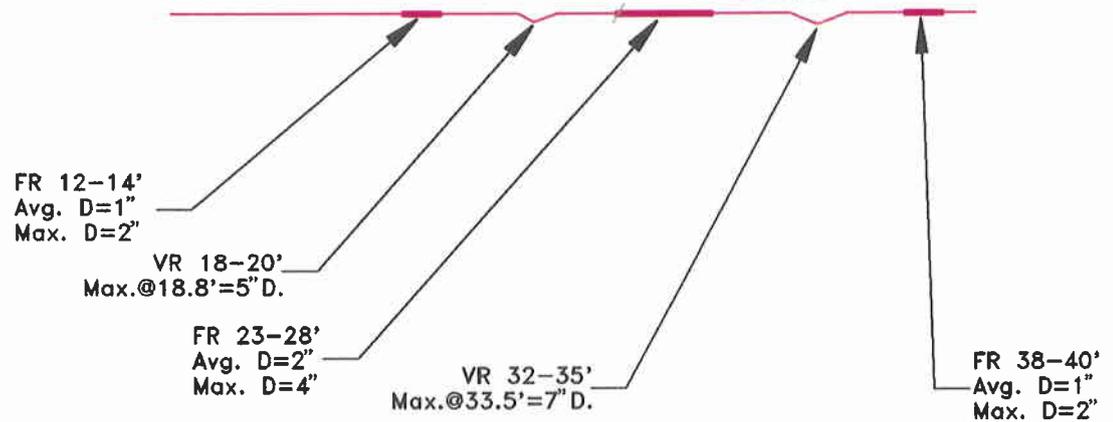
Photo Location Legend

→ Camera viewing direction
 #3L = Photo point viewed perpendicular to slope
 #1X = Photo point viewed parallel to slope
 height = Distance above ground surface
 direction = An azimuth reading

Photo #1L
 14° direction
 65" height
 11' distance

Gradient Flattens
 And Rills Disappear

Photos #2X-1 & #2X-2 panorama
 80° & 115° direction
 65" height
 31' distance



PHOTOGRAPHIC LOCATIONS

for

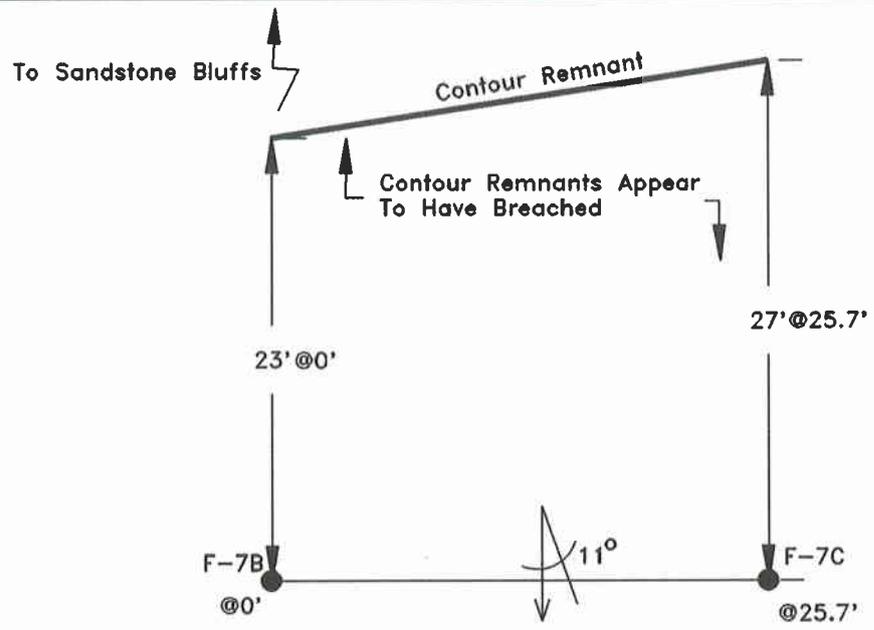
EROSION MONITORING STATION
 F-6B to F-6C

EROSION TRANSECT
LEGEND

= Plan View
 = X-Sectional View
 FR = Flat Rill
 VR = V-Shaped Rill

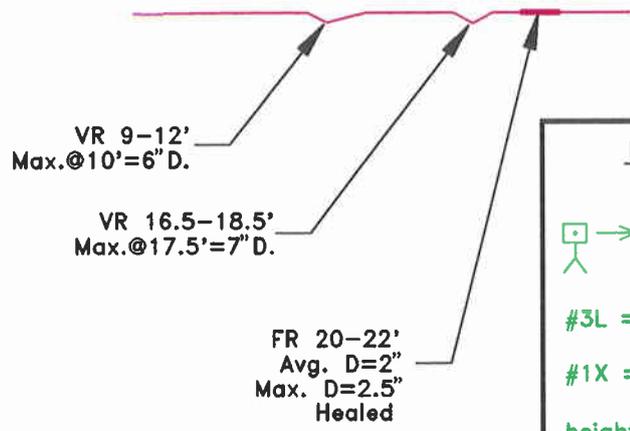
Scale: 1" = 10'

Date: 7-28-95 Drawn: DRM



Gradient Flattens
And Rills Disappear

Photo #2X
101 degree direction
65 inch height
33 foot distance



PHOTOGRAPHIC LOCATIONS
for

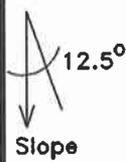
EROSION MONITORING STATION
F-7B to F-7C

EROSION TRANSECT
LEGEND

- BLACK = Plan View
- RED = X-Sectional View
- FR = Flat Rill
- VR = V-Shaped Rill
- Scale: 1" = 10'

Photo Location
Legend

- Camera viewing direction
- #3L = Photo point viewed perpendicular to slope
- #1X = Photo point viewed parallel to slope
- height = Distance above ground surface
- direction = An azimuth reading



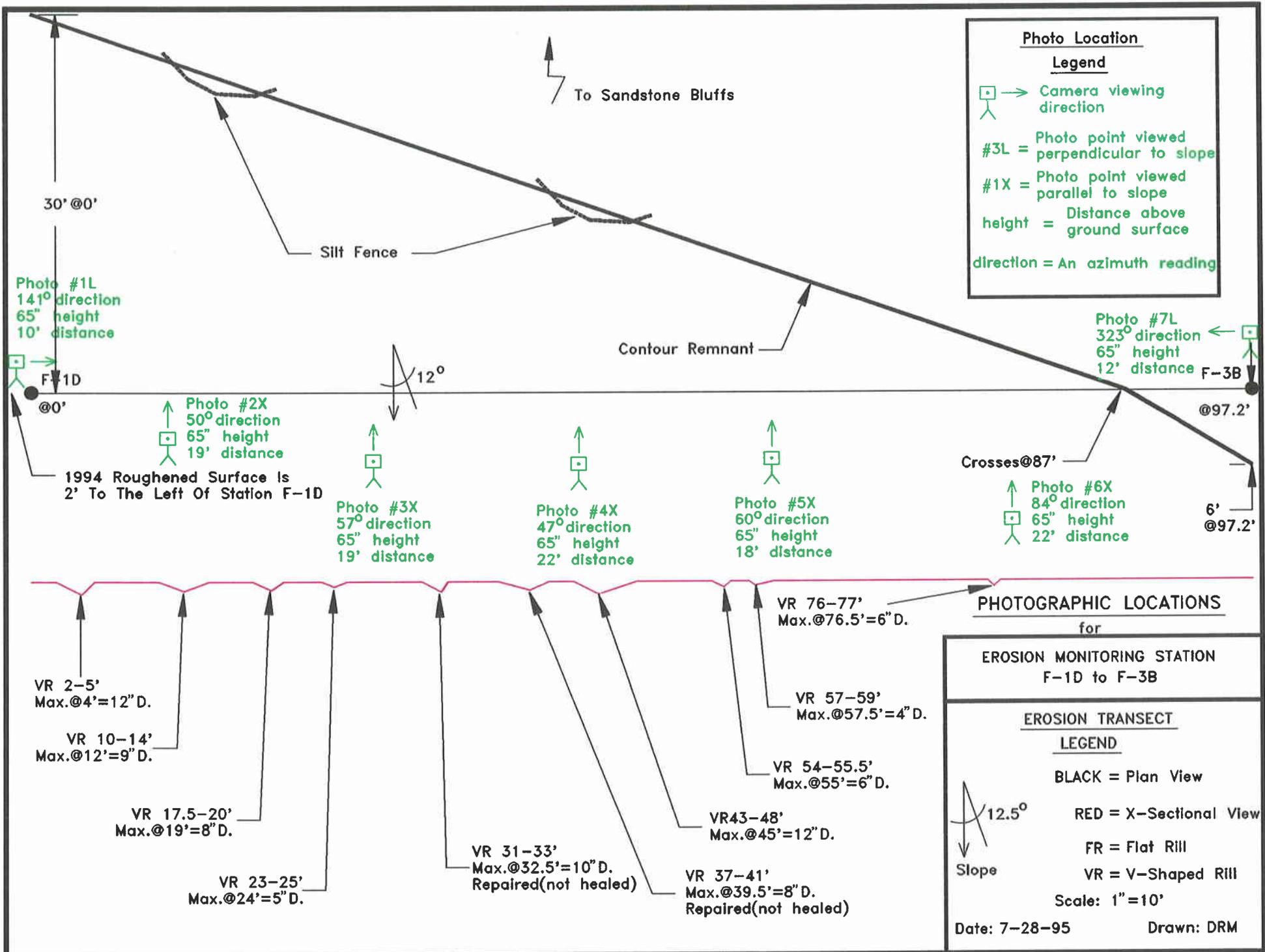


Photo Location Legend

→ Camera viewing direction
 #3L = Photo point viewed perpendicular to slope
 #1X = Photo point viewed parallel to slope
 height = Distance above ground surface
 direction = An azimuth reading

Photo #1L
 141° direction
 65" height
 10' distance

F-1D
 @0'

Photo #2X
 50° direction
 65" height
 19' distance

1994 Roughened Surface Is
 2' To The Left Of Station F-1D

Photo #3X
 57° direction
 65" height
 19' distance

Photo #4X
 47° direction
 65" height
 22' distance

Photo #5X
 60° direction
 65" height
 18' distance

Photo #7L
 323° direction
 65" height
 12' distance

F-3B
 @97.2'

Crosses @87'
 Photo #6X
 84° direction
 65" height
 22' distance

6'
 @97.2'

VR 2-5'
 Max. @4' = 12" D.

VR 10-14'
 Max. @12' = 9" D.

VR 17.5-20'
 Max. @19' = 8" D.

VR 23-25'
 Max. @24' = 5" D.

VR 31-33'
 Max. @32.5' = 10" D.
 Repaired (not healed)

VR 37-41'
 Max. @39.5' = 8" D.
 Repaired (not healed)

VR 43-48'
 Max. @45' = 12" D.

VR 54-55.5'
 Max. @55' = 6" D.

VR 57-59'
 Max. @57.5' = 4" D.

VR 76-77'
 Max. @76.5' = 6" D.

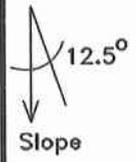
PHOTOGRAPHIC LOCATIONS
 for

EROSION MONITORING STATION
 F-1D to F-3B

EROSION TRANSECT

LEGEND

BLACK = Plan View
 RED = X-Sectional View
 FR = Flat Rill
 VR = V-Shaped Rill



Scale: 1" = 10'

Date: 7-28-95

Drawn: DRM

JB KING PROJECT

AS-BUILT CONSTRUCTION DETAIL
NOV-DEC 1994

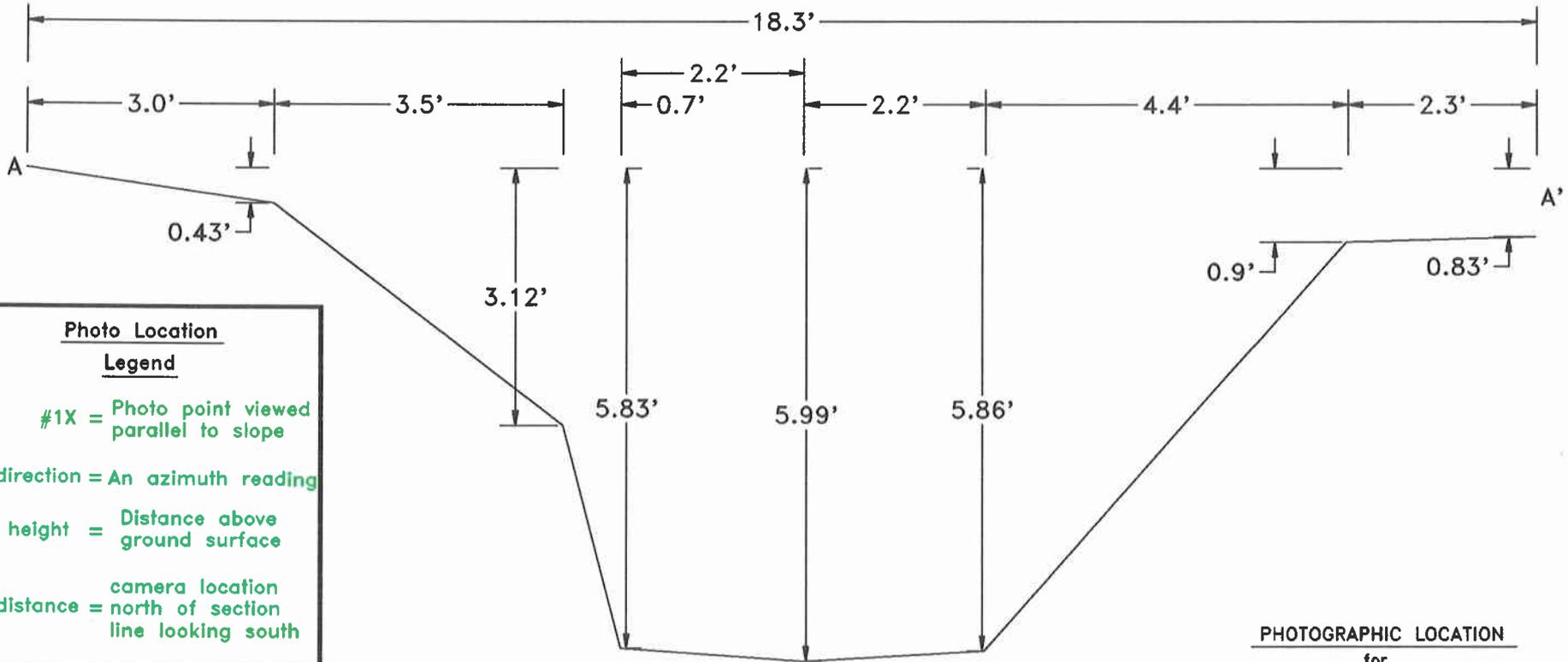


Photo Location Legend

#1X = Photo point viewed parallel to slope

direction = An azimuth reading

height = Distance above ground surface

camera location distance = north of section line looking south

PHOTOGRAPHIC LOCATION
for
NEW DRAINAGE CHANNEL

TYPICAL X-SECTION A-A' OF NEW DRAINAGE CHANNEL
Designated as Feeder Ditch (also Ditch #1)
Refer to plan map (JBK-3 AS BUILT) for location of x-section
Scale: 1"=2'

Photo #1X
170° direction
65" height
17' distance

WESTERN STATES MINERALS CORP.

TITLE: 1994 Reclamation Plan Revision showing typical x-section A-A' of new drainage channel

PROJECT: J.B.KING RECLAMATION

| | |
|--------------|----------------------------|
| STATE: UTAH | COUNTY: EMERY |
| SCALE: 1"=2' | DATA: EMG/DJC |
| DATE: 4-5-95 | DRWN BY: DRM REV.: 7/12/95 |

JB KING PROJECT
 AS-BUILT CONSTRUCTION DETAIL
 NOV-DEC 1994

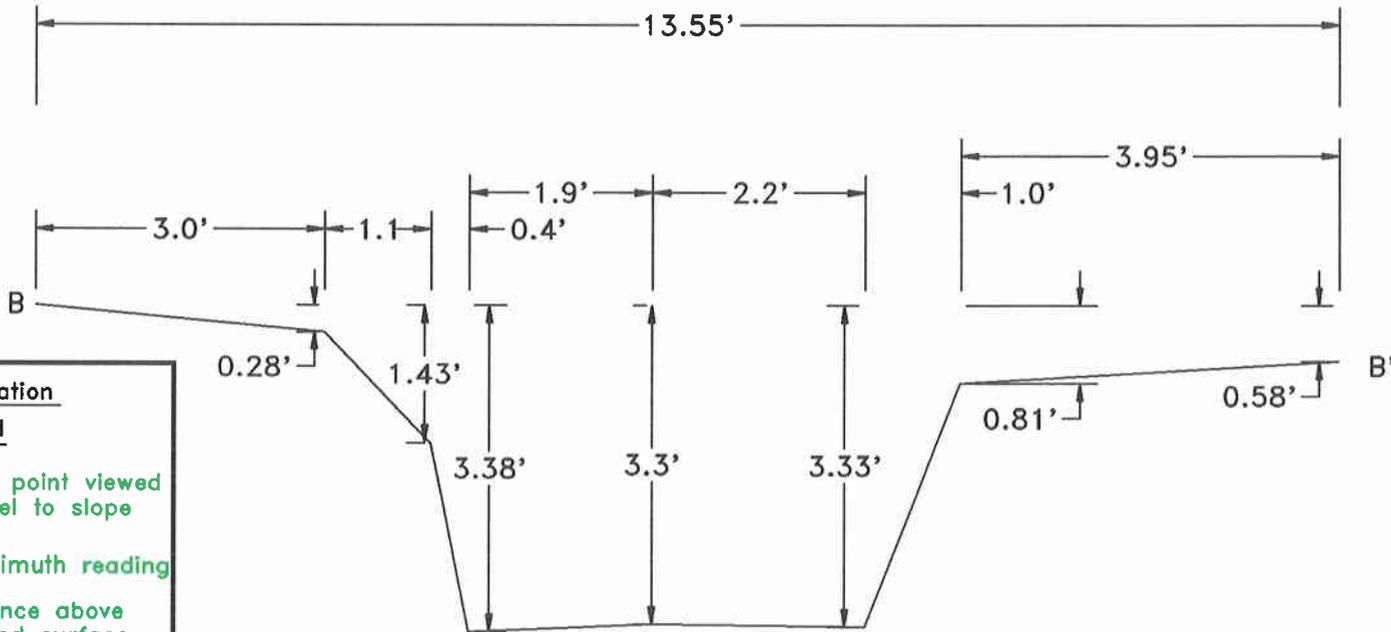


Photo Location
Legend
 #1X = Photo point viewed parallel to slope
 direction = An azimuth reading
 height = Distance above ground surface
 camera location distance = north of section line looking south

TYPICAL X-SECTION B-B' OF NEW DRAINAGE CHANNEL
 Designated as Feeder Ditch (also Ditch#1)
 Refer to plan map (JBK-3 AS BUILT) for location of x-section

Scale: 1"=2'

Photo #1X
 162° direction
 65" height
 17' distance

PHOTOGRAPHIC LOCATION
 for
 NEW DRAINAGE CHANNEL



TITLE: 1994 Reclamation Plan Revision showing typical x-section B-B' of new drainage channel

PROJECT: J.B.KING RECLAMATION

| | |
|--------------|---------------------------|
| STATE: UTAH | COUNTY: EMERY |
| SCALE: 1"=2' | DATA: EMG/DJC |
| DATE: 4-5-95 | DRWN BY: DRM REV.:7/12/95 |

JB KING PROJECT
AS-BUILT CONSTRUCTION DETAIL
NOV-DEC 1994

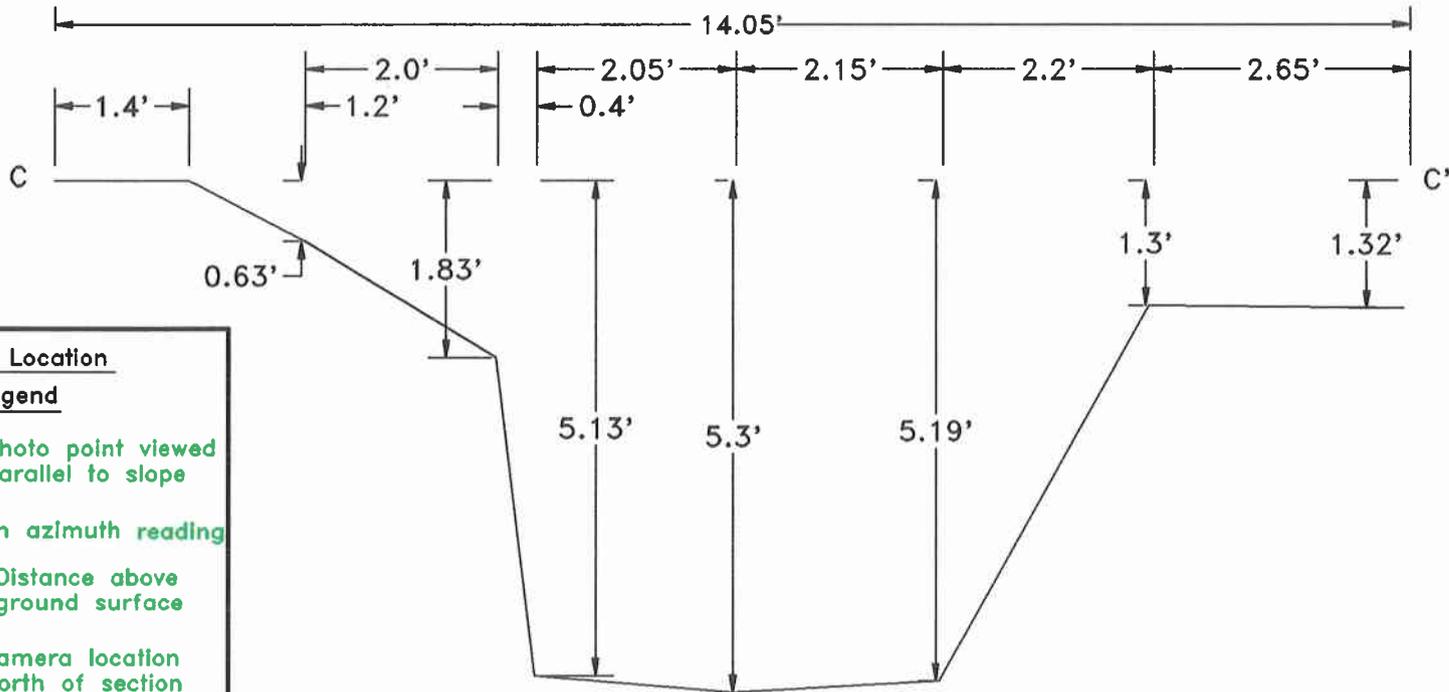


Photo Location Legend

#1X = Photo point viewed parallel to slope

direction = An azimuth reading

height = Distance above ground surface

camera location distance = north of section line looking south

TYPICAL X-SECTION C-C' OF NEW DRAINAGE CHANNEL
Designated as Main Feeder Ditch (also Ditch #2)
Refer to plan map (JBK-3 AS BUILT) for location of x-section

Scale: 1"=2'

Photo #1X
114° direction
65" height
15' distance

PHOTOGRAPHIC LOCATION
for
NEW DRAINAGE CHANNEL

| | |
|-----------------------------------------------------------------------------------------------------|----------------------------|
| WESTERN STATES MINERALS CORP. | |
| TITLE: 1994 Reclamation Plan Revision showing typical x-section C-C' of new drainage channel | |
| PROJECT: J.B.KING RECLAMATION | |
| STATE: UTAH | COUNTY: EMERY |
| SCALE: 1"=2' | DATA: EMG/DJC |
| DATE: 4-5-95 | DRWN BY: DRM REV.: 7/12/95 |

JB KING PROJECT
 AS-BUILT CONSTRUCTION DETAIL
 NOV-DEC 1994

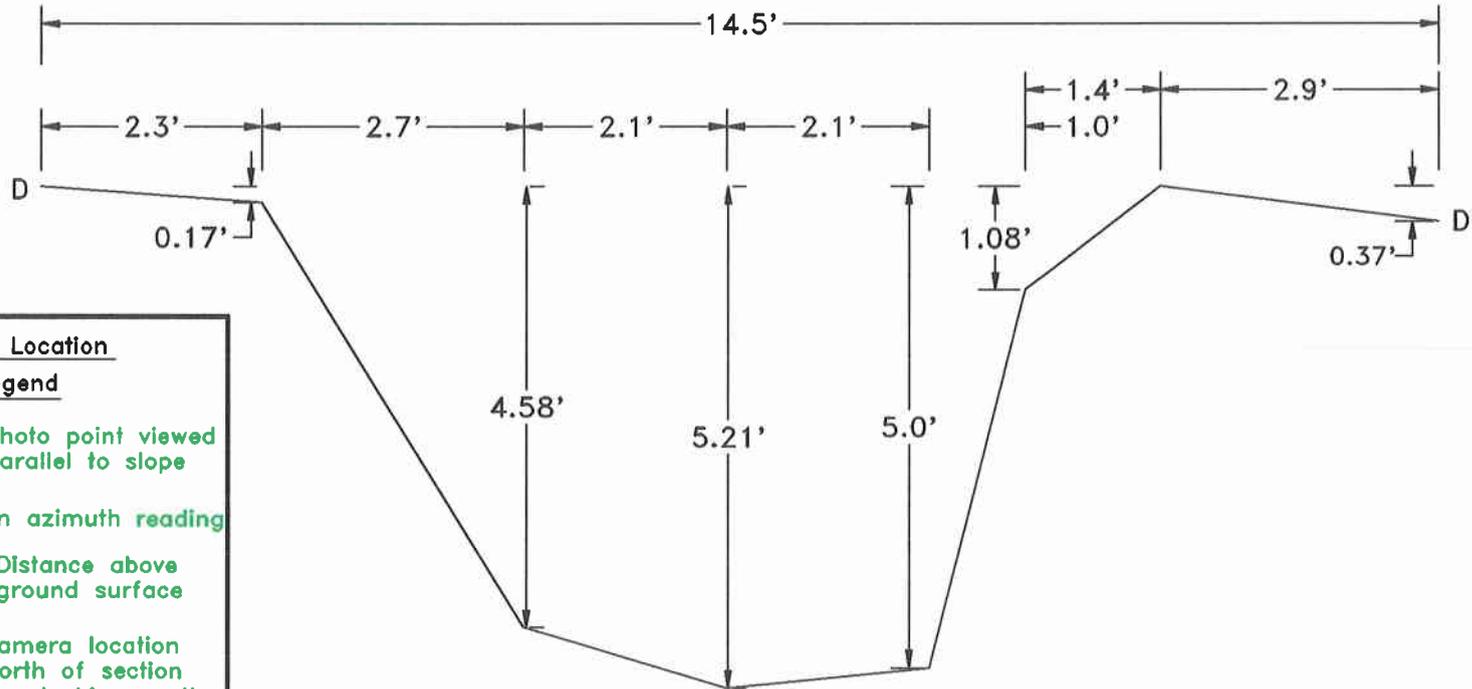


Photo Location Legend

#1X = Photo point viewed parallel to slope

direction = An azimuth reading

height = Distance above ground surface

camera location distance = north of section line looking south

TYPICAL X-SECTION D-D' OF NEW DRAINAGE CHANNEL
 Designated as Main Feeder Ditch (also Ditch #2)
 Refer to plan map (JBK-3 AS BUILT) for location of x-section

Scale: 1"=2'

Photo #1X
 112° direction
 65" height
 20' distance

PHOTOGRAPHIC LOCATION
 for
 NEW DRAINAGE CHANNEL

| | |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------|
|  WESTERN STATES MINERALS CORP. | |
| | |
| PROJECT: J.B.KING RECLAMATION | |
| STATE: UTAH | COUNTY: EMERY |
| SCALE: 1"=2' | DATA: EMG/DJC |
| DATE: 4-5-95 | DRWN BY: DRM REV.: 7/12/95 |