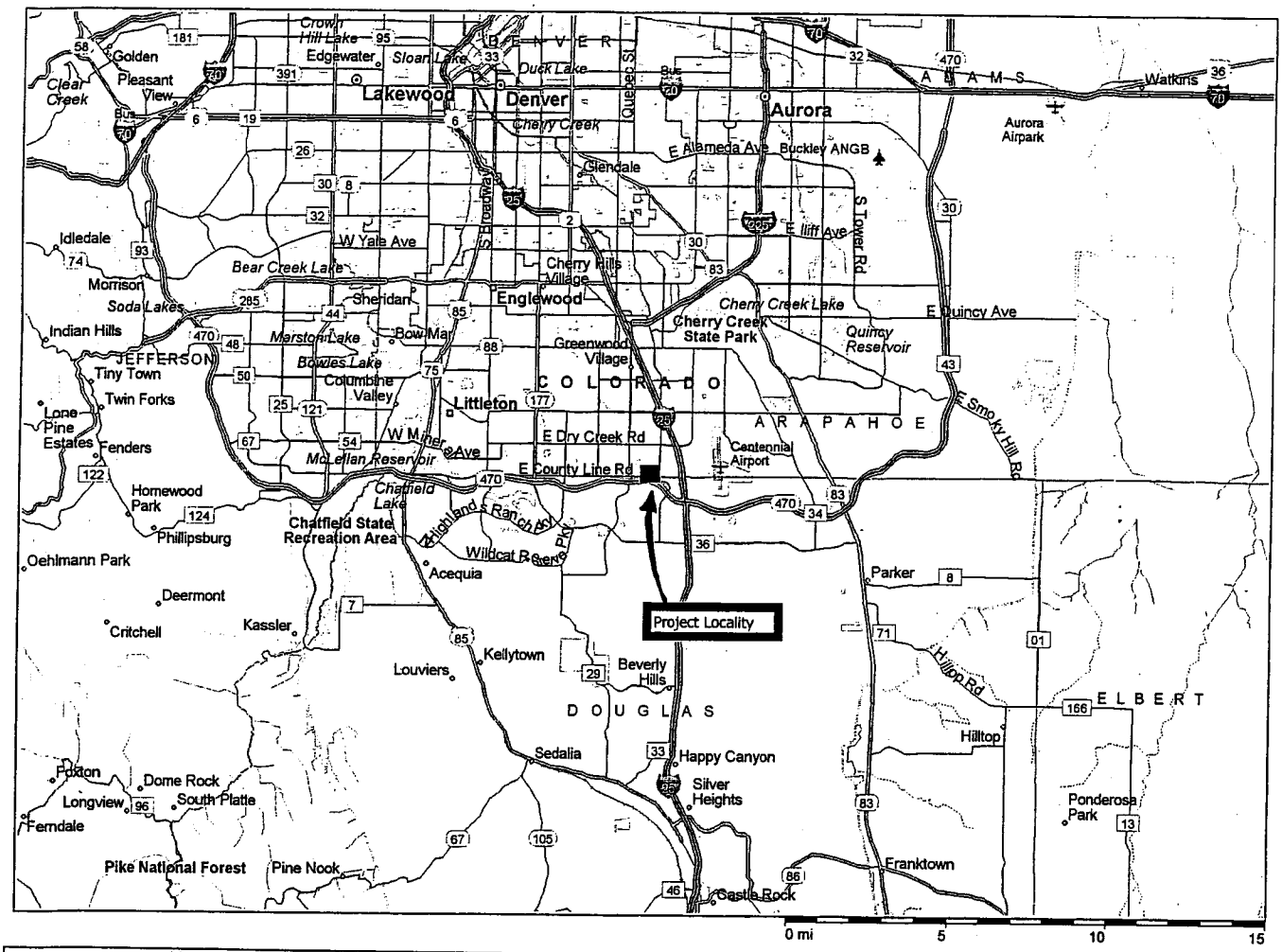

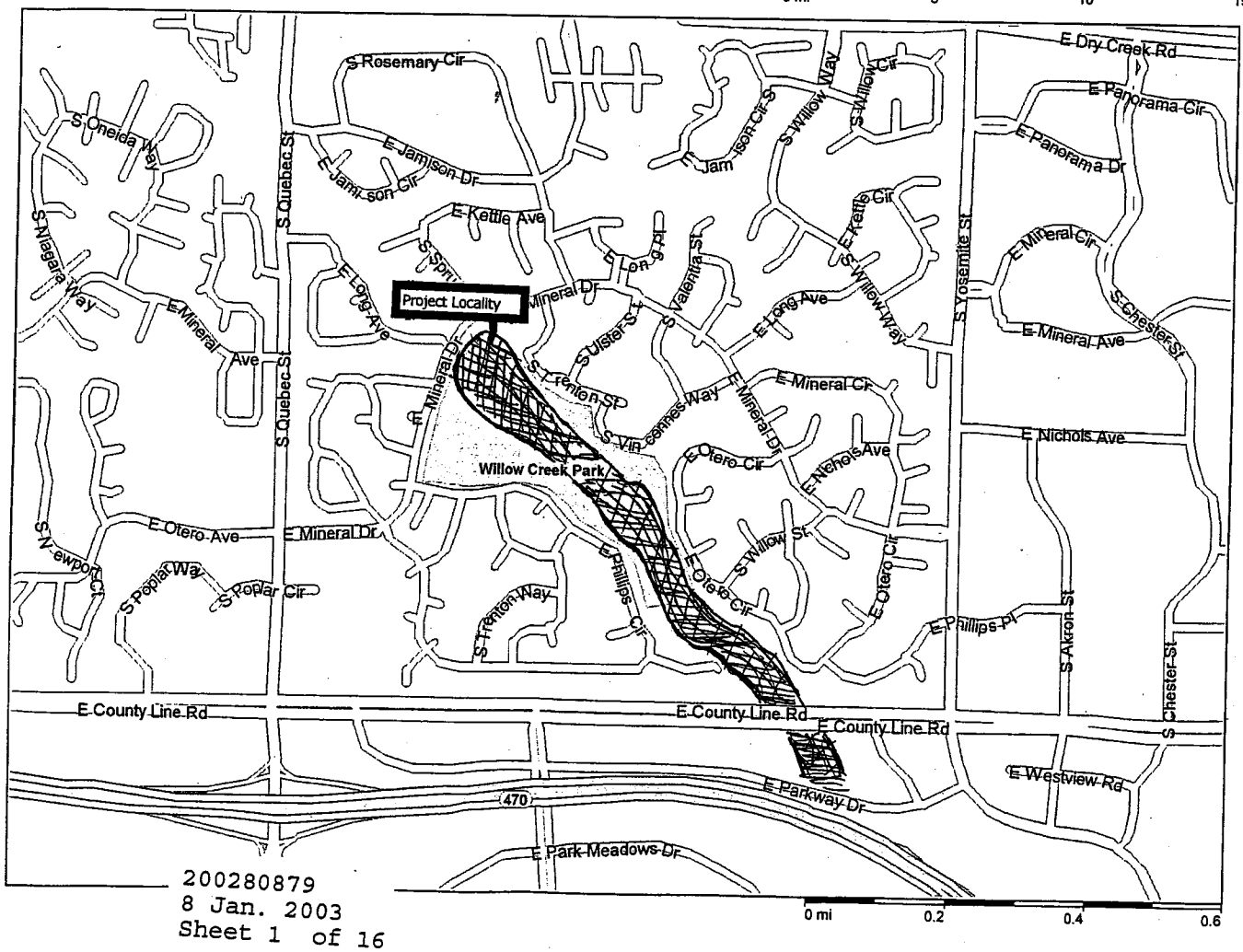

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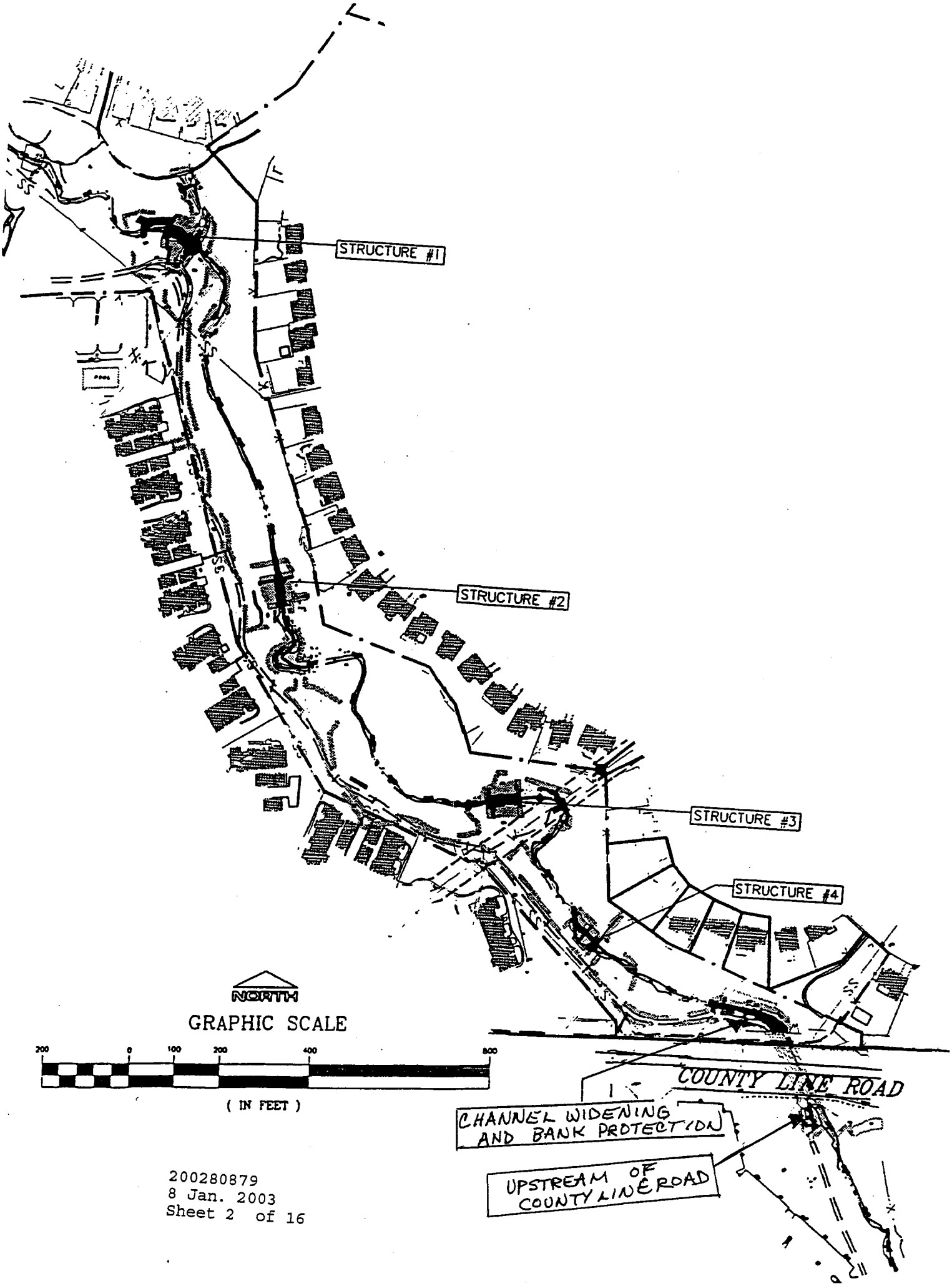

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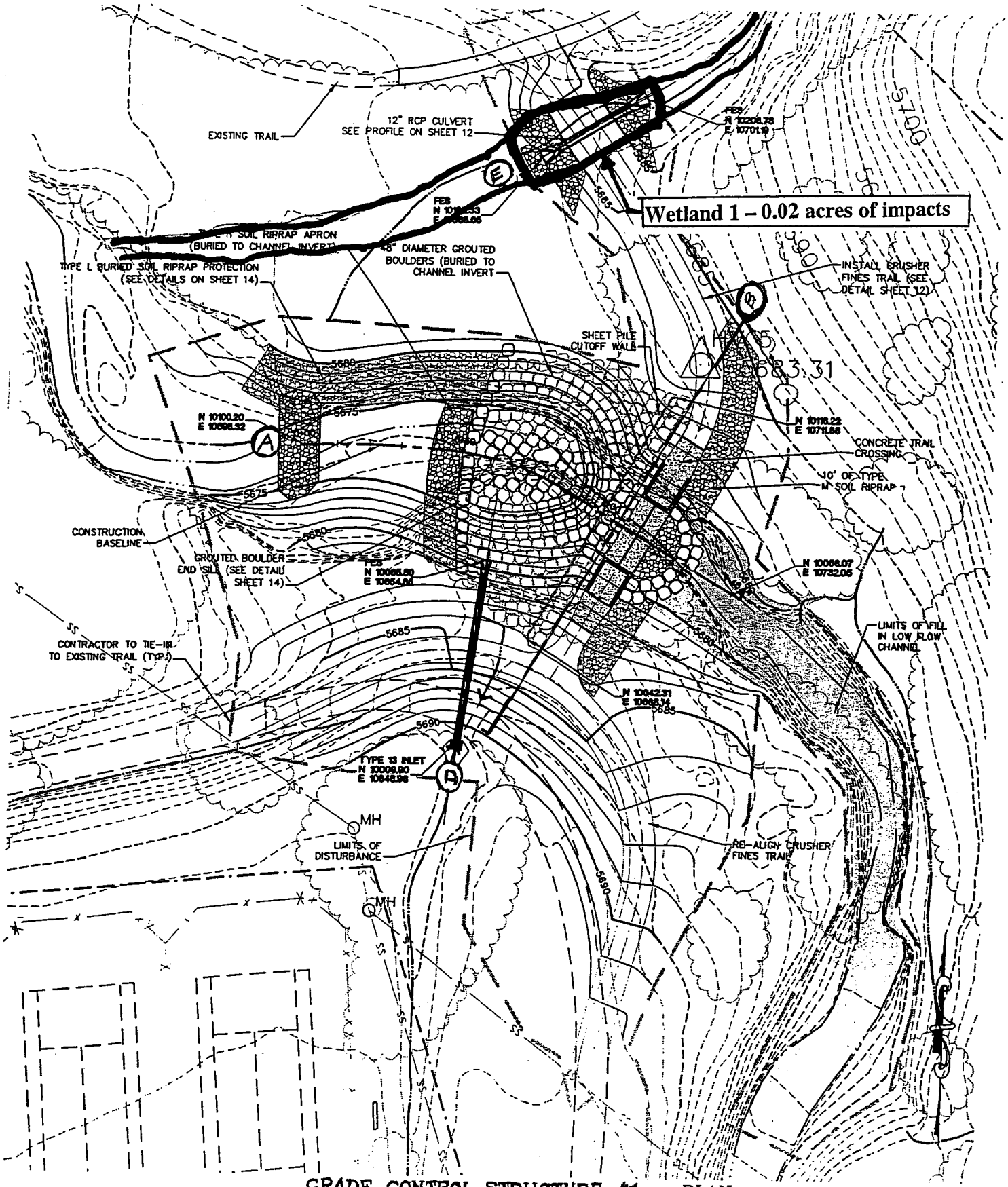

GRADE CONTROL STRUCTURE #1 – PLAN

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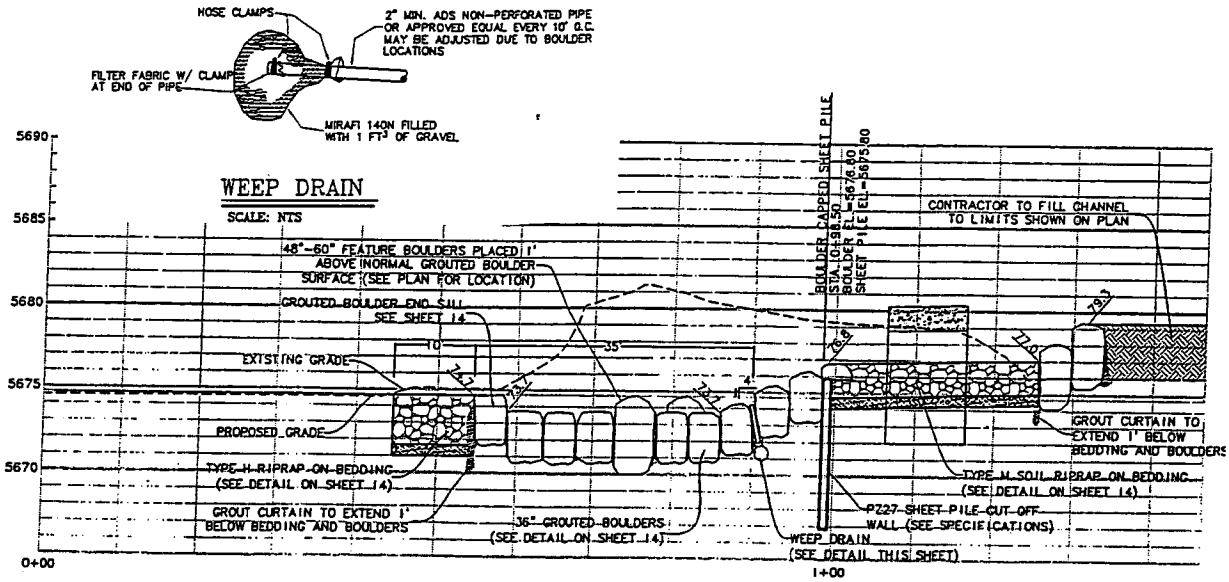
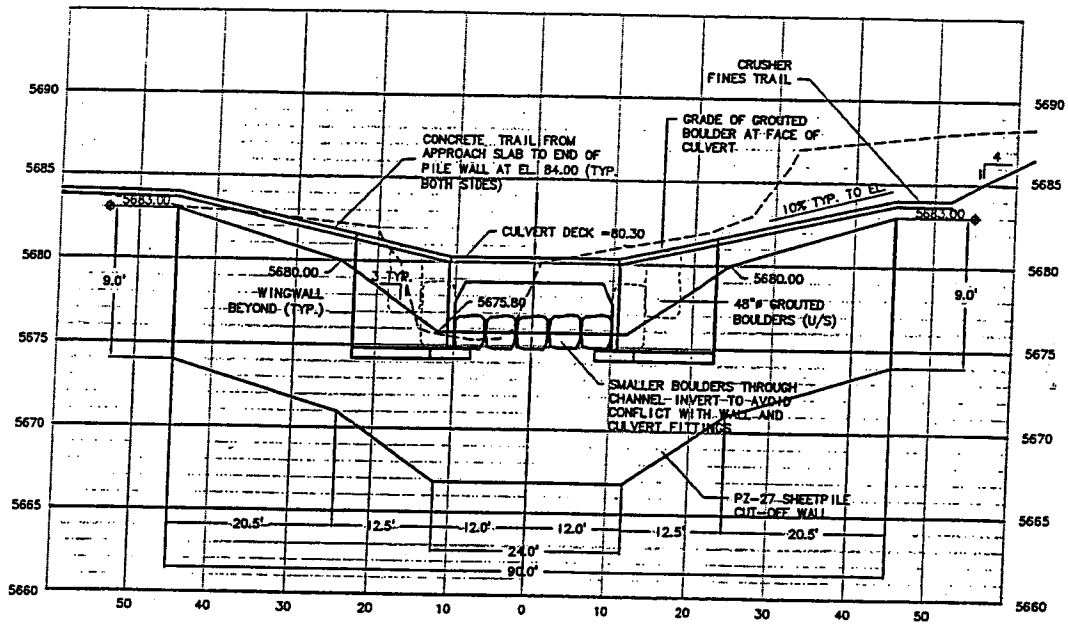


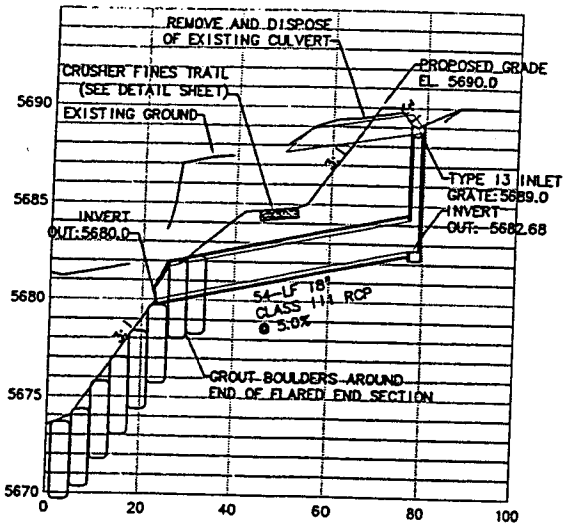
A SECTION FLOWLINE

SCALE: 1:10H, 1:5V



B SECTION CREST – STA. 6+02

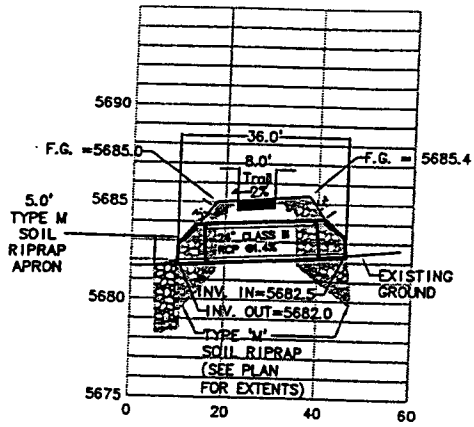
SCALE: 1:10 H, 1:5 V – Looking Upstream



D SECTION D

SCALE: NTS

FES anchors



E SECTION E

SCALE: NTS

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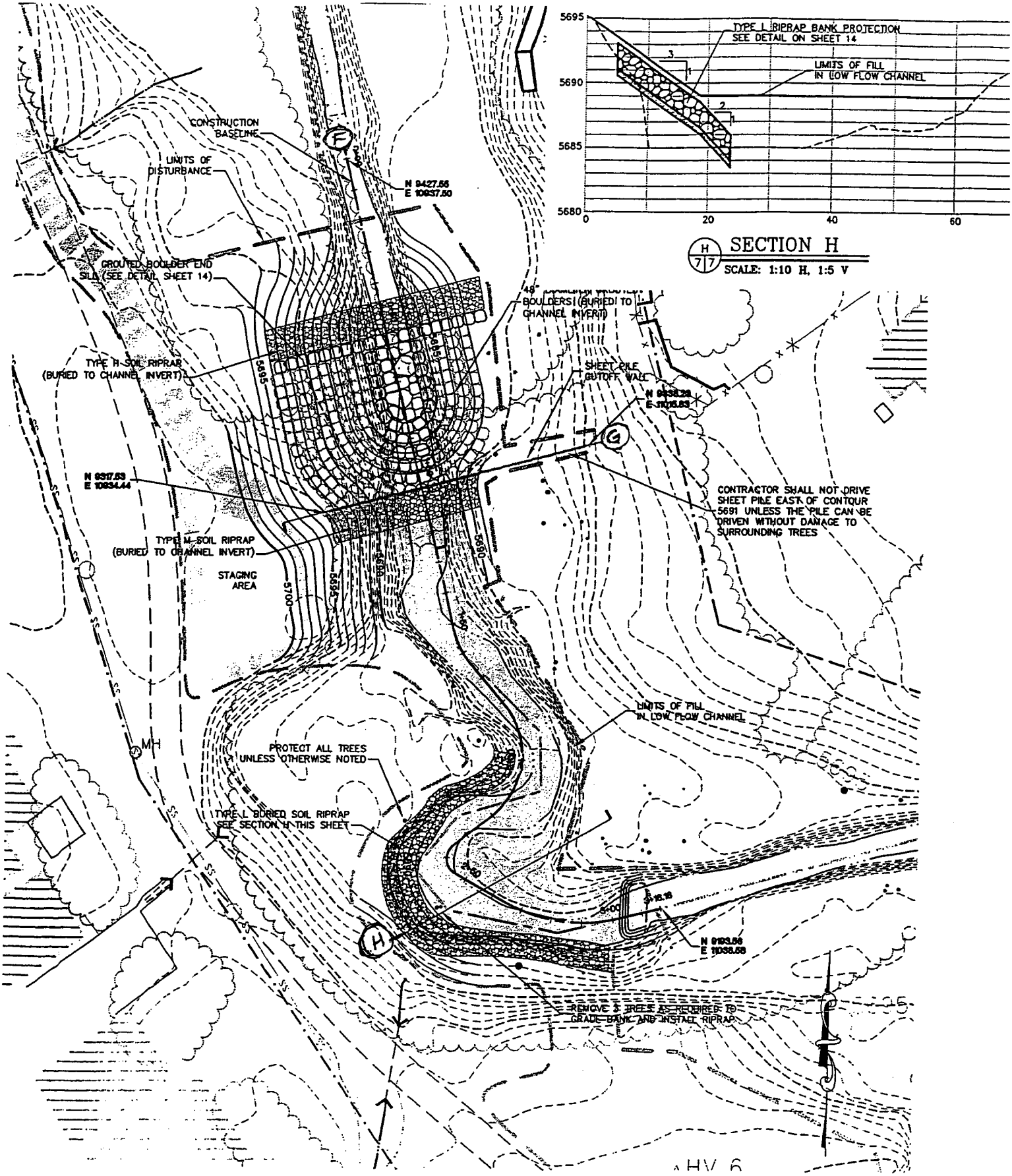

GRADE CONTROL STRUCTURE #2 – PLAN

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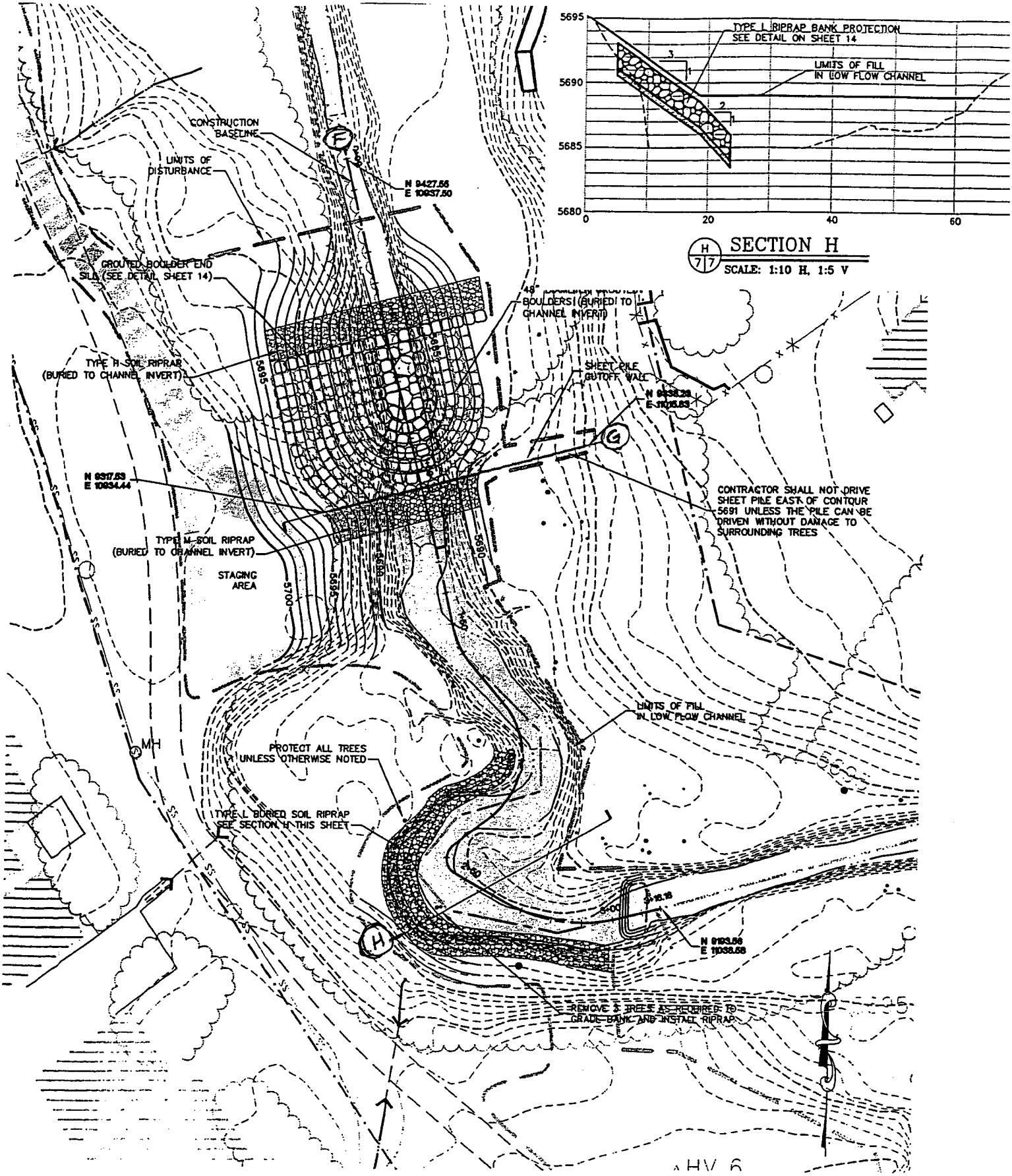

GRADE CONTROL STRUCTURE #2 – PLAN

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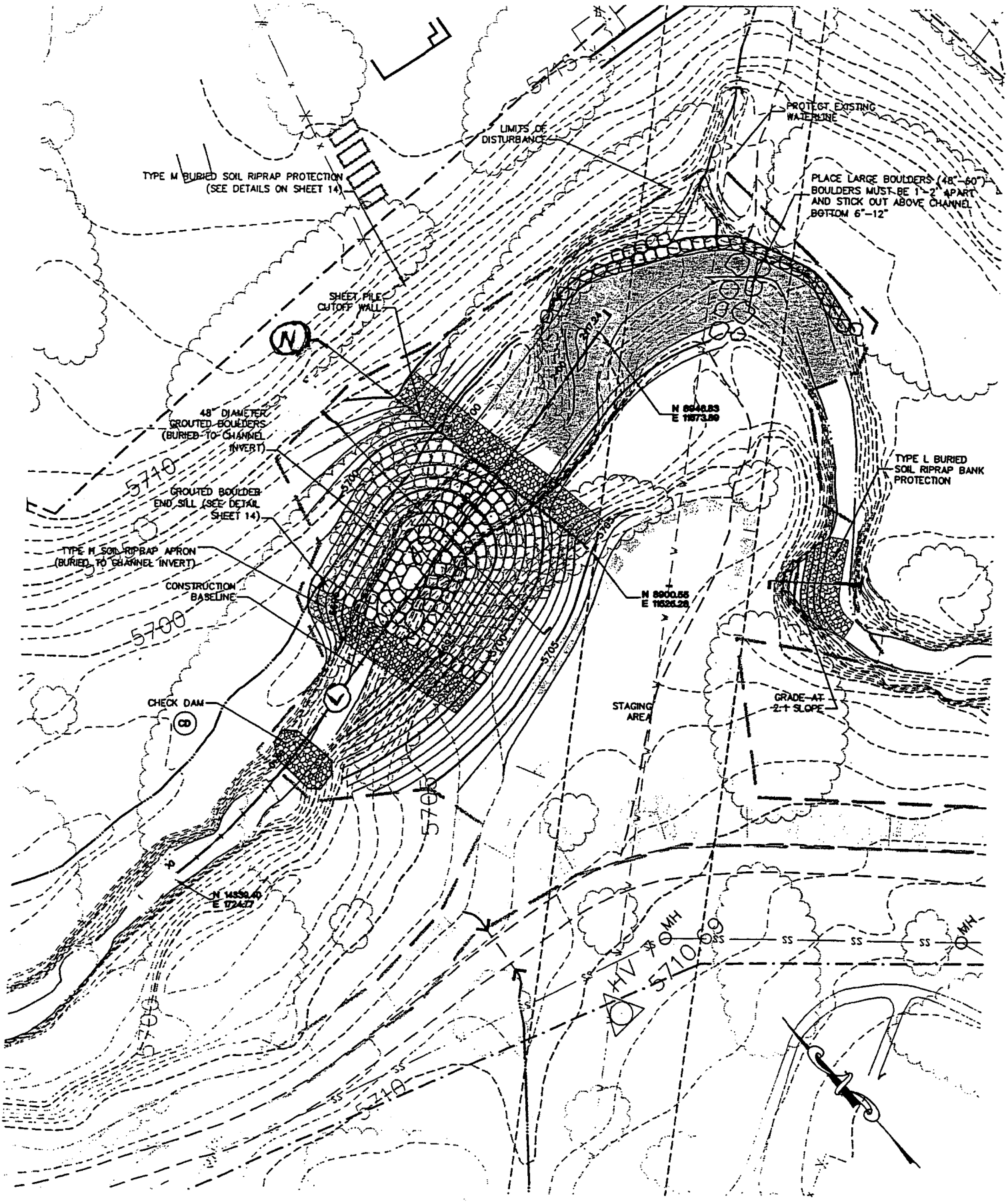

GRADE CONTROL STRUCTURE #3 - PLAN

SCALE: 1" = 20'

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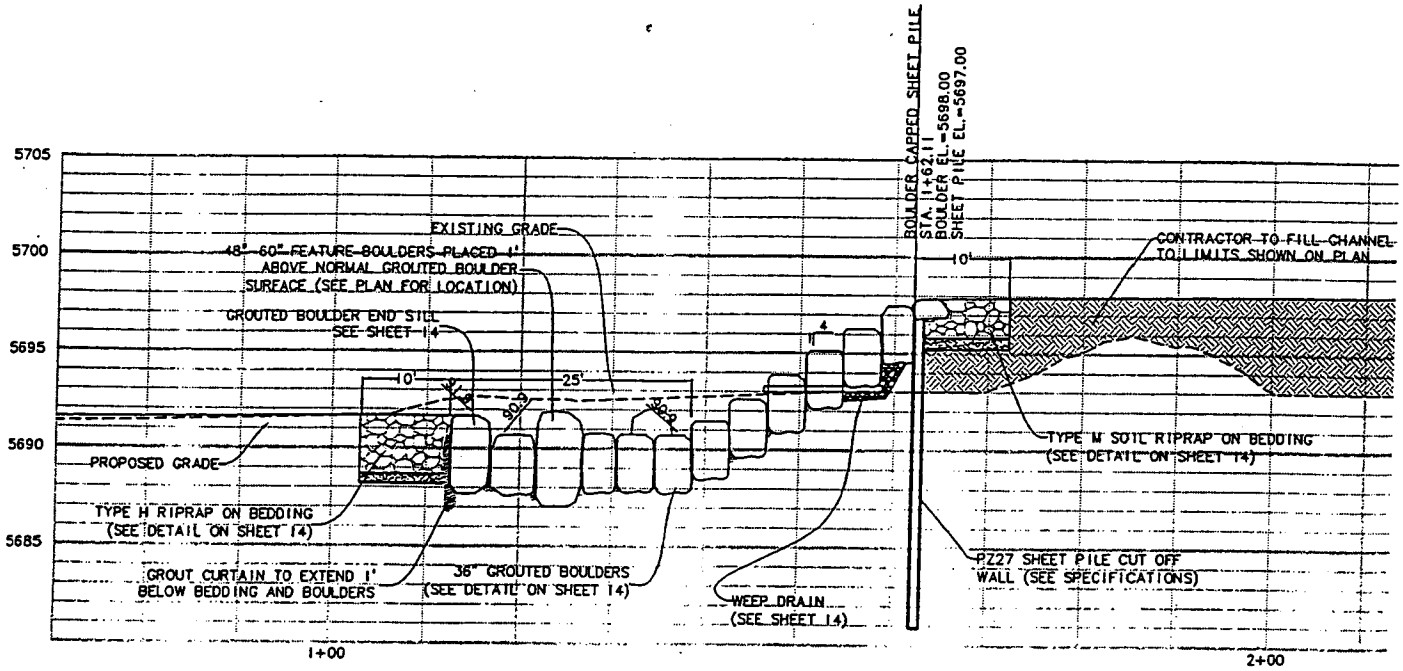
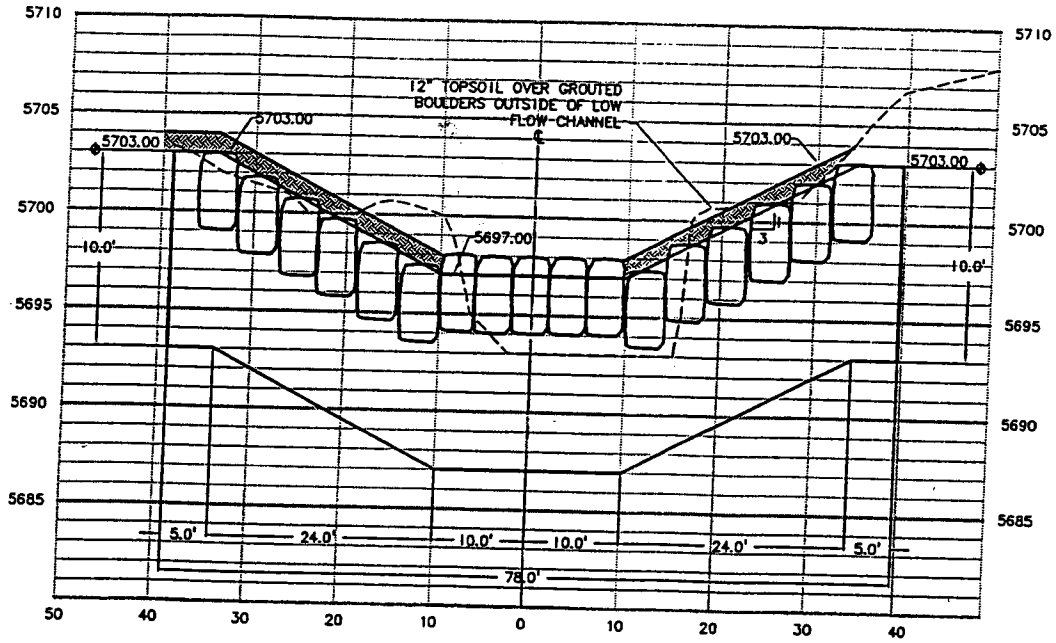


SECTION FLOWLINE

SCALE: 1:10H, 1:5 V



SECTION CREST – STA. 23+50

SCALE: 1:10 H, 1:5 V – Looking Upstream

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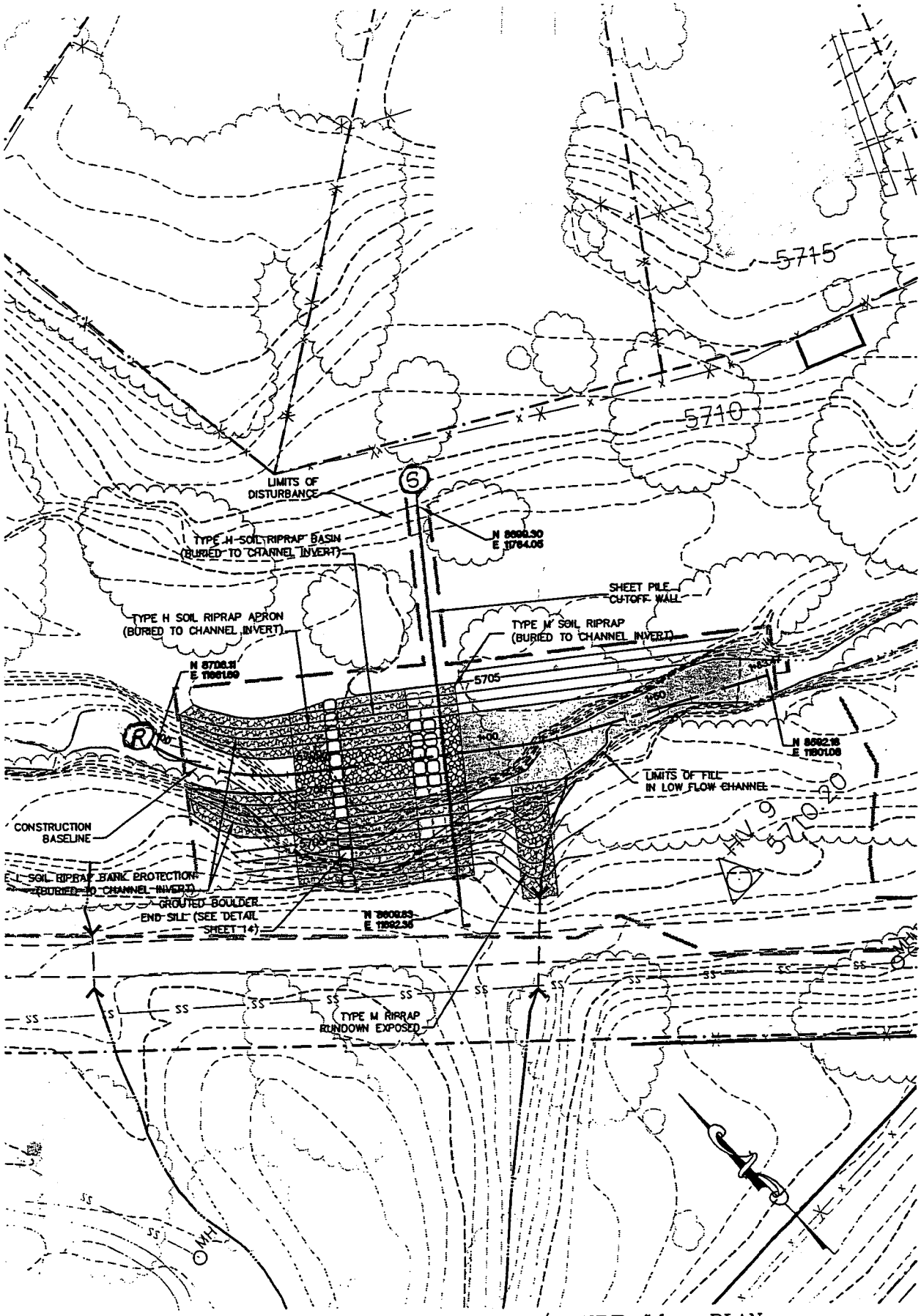

GRADE CONTROL STRUCTURE #4 – PLAN

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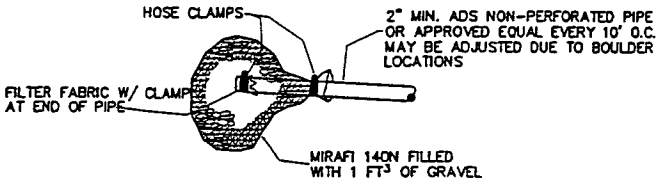
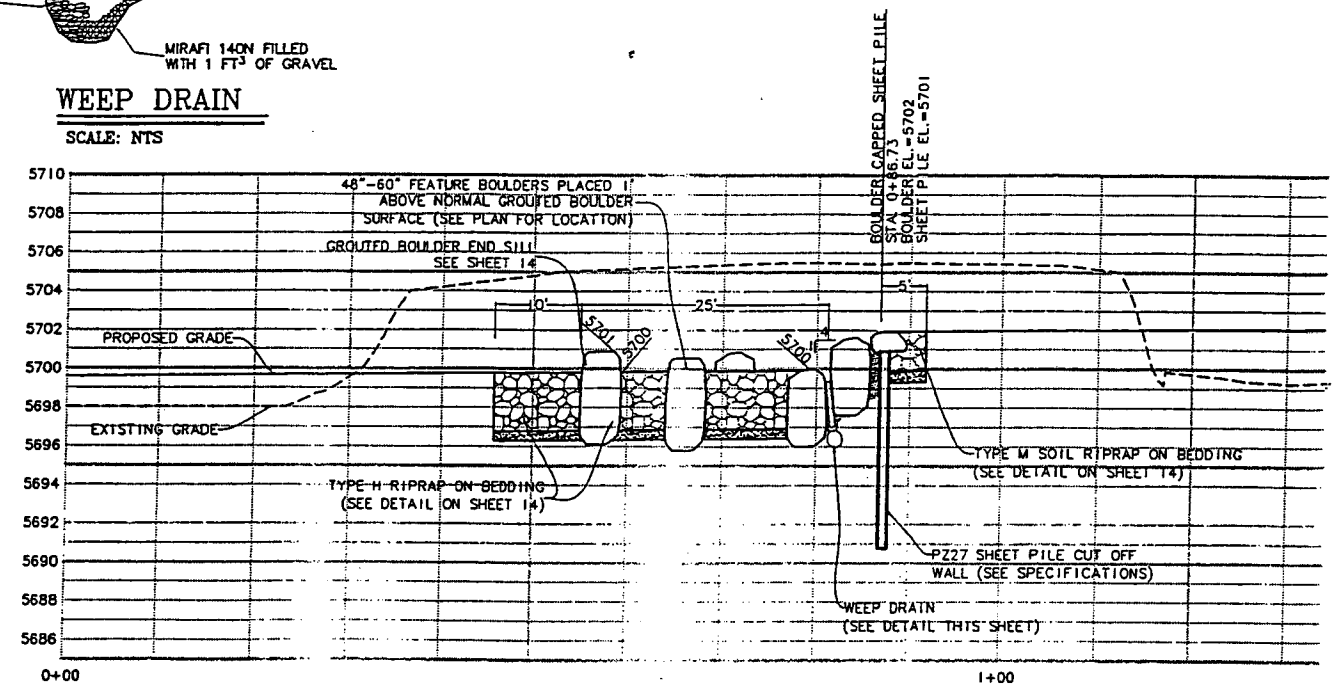


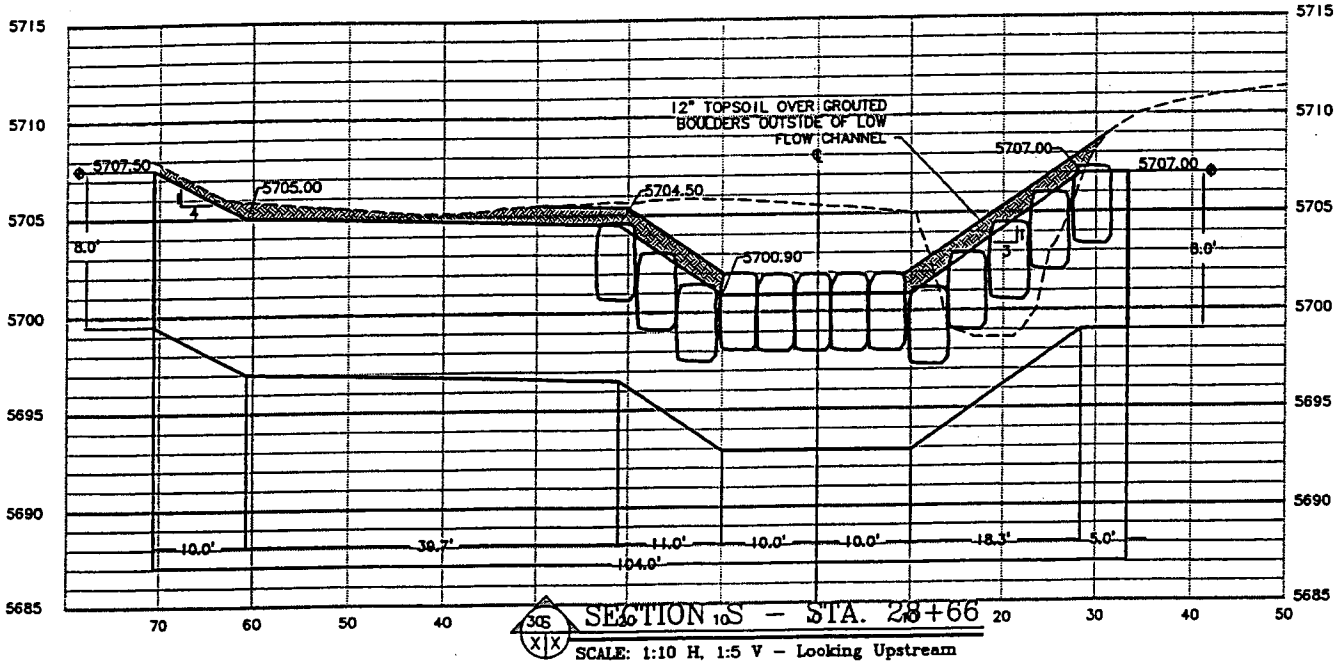
WEEP DRAIN

SCALE: NTS



SECTION FLOWLINE

SCALE: 1:10H, 1:5 V



SECTION S – STA. 28+66

SCALE: 1:10 H, 1:5 V – Looking Upstream

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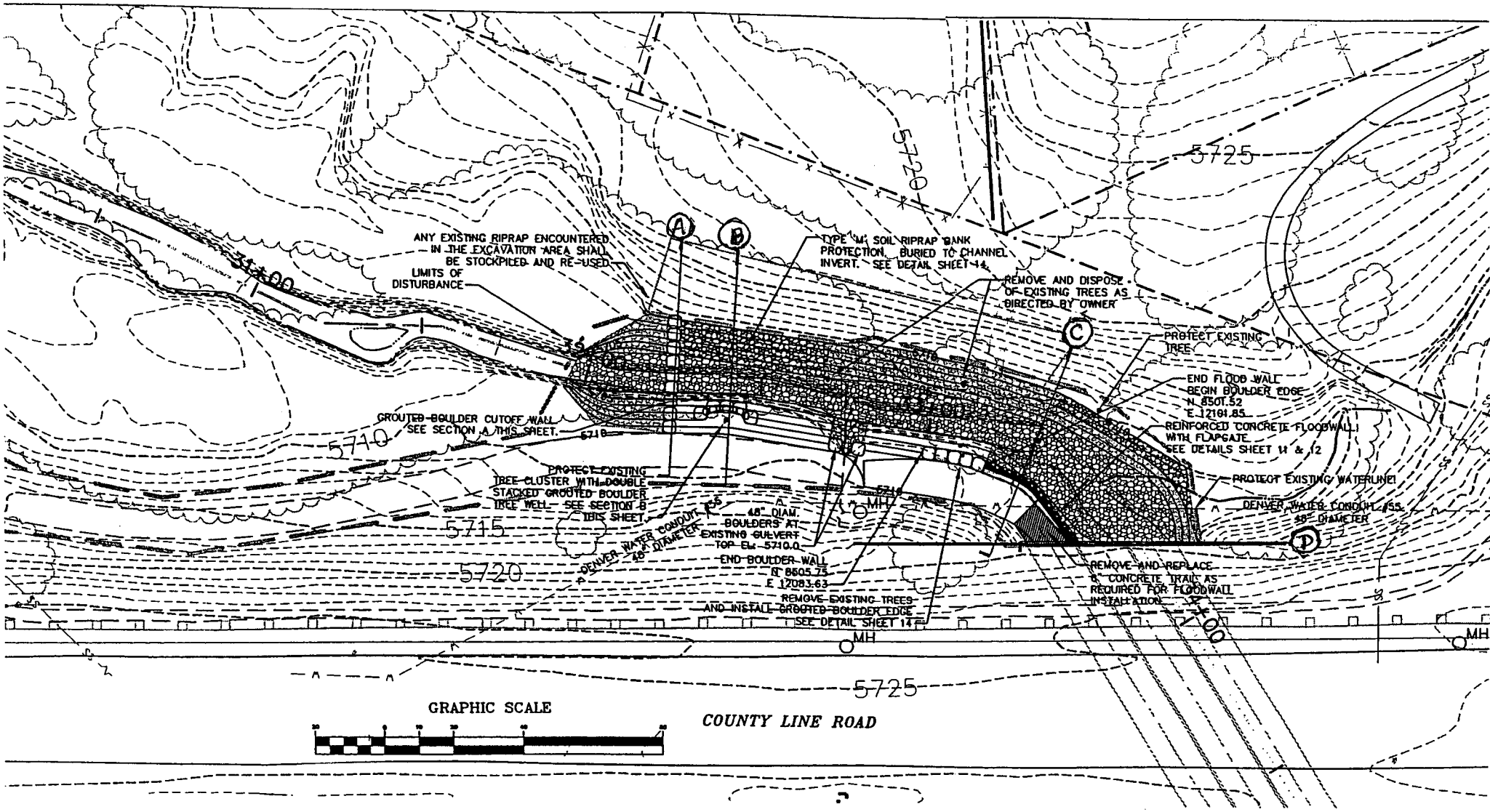

CHANNEL WIDENING AND BANK PROTECTION – PLAN

SCALE: 1" = 20'

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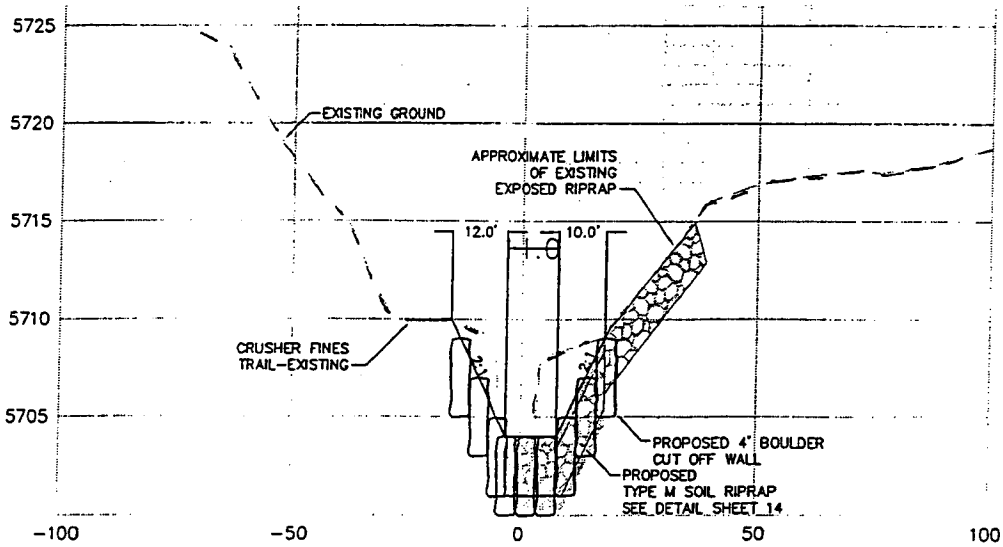
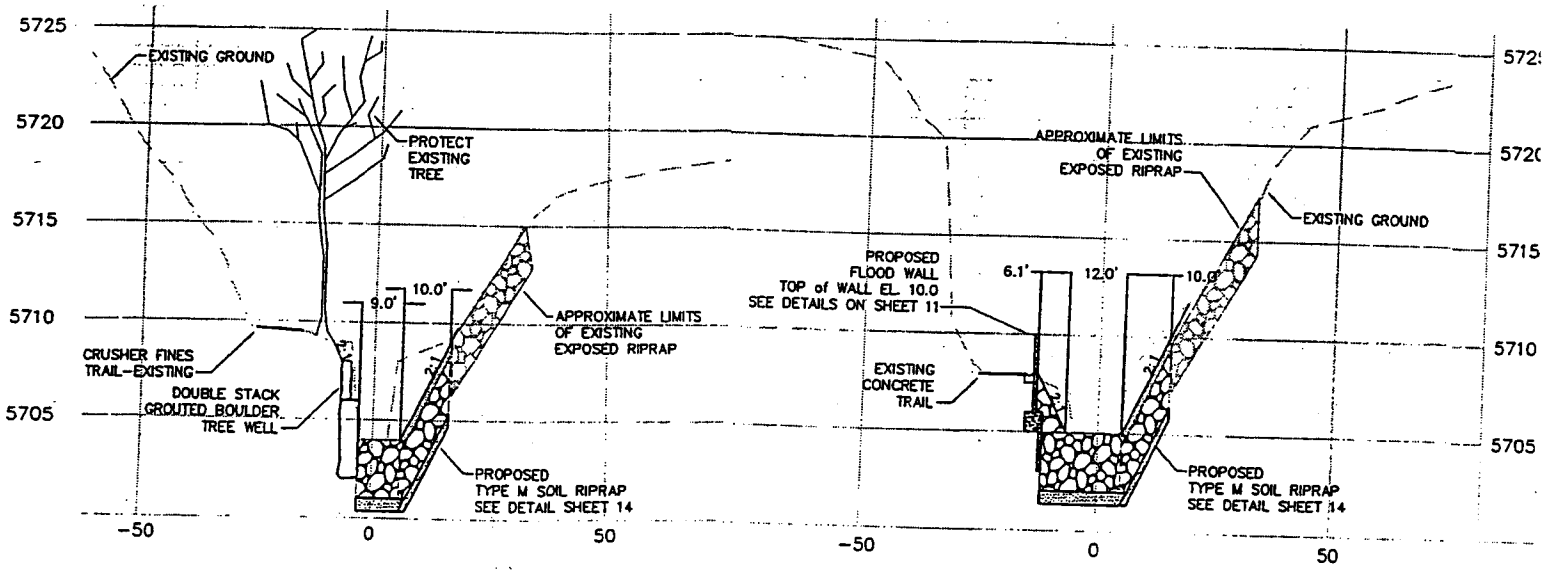
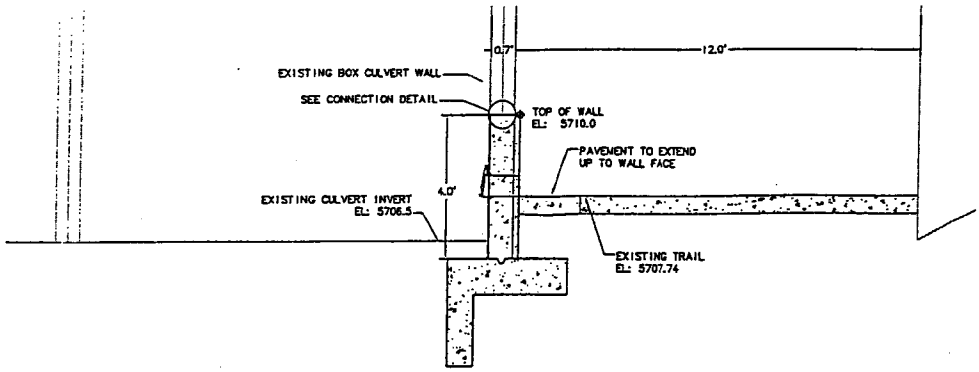


A 1010 SECTION A
SCALE: 1:20 H, 1:5 V



B 1010 SECTION B
SCALE: 1:20 H, 1:5 V

C 1010 SECTION C
SCALE: 1:20 H, 1:5 V



D 1011 SECTION D - DOWNSTREAM FACE OF BOX CULVERT
SCALE: NTS

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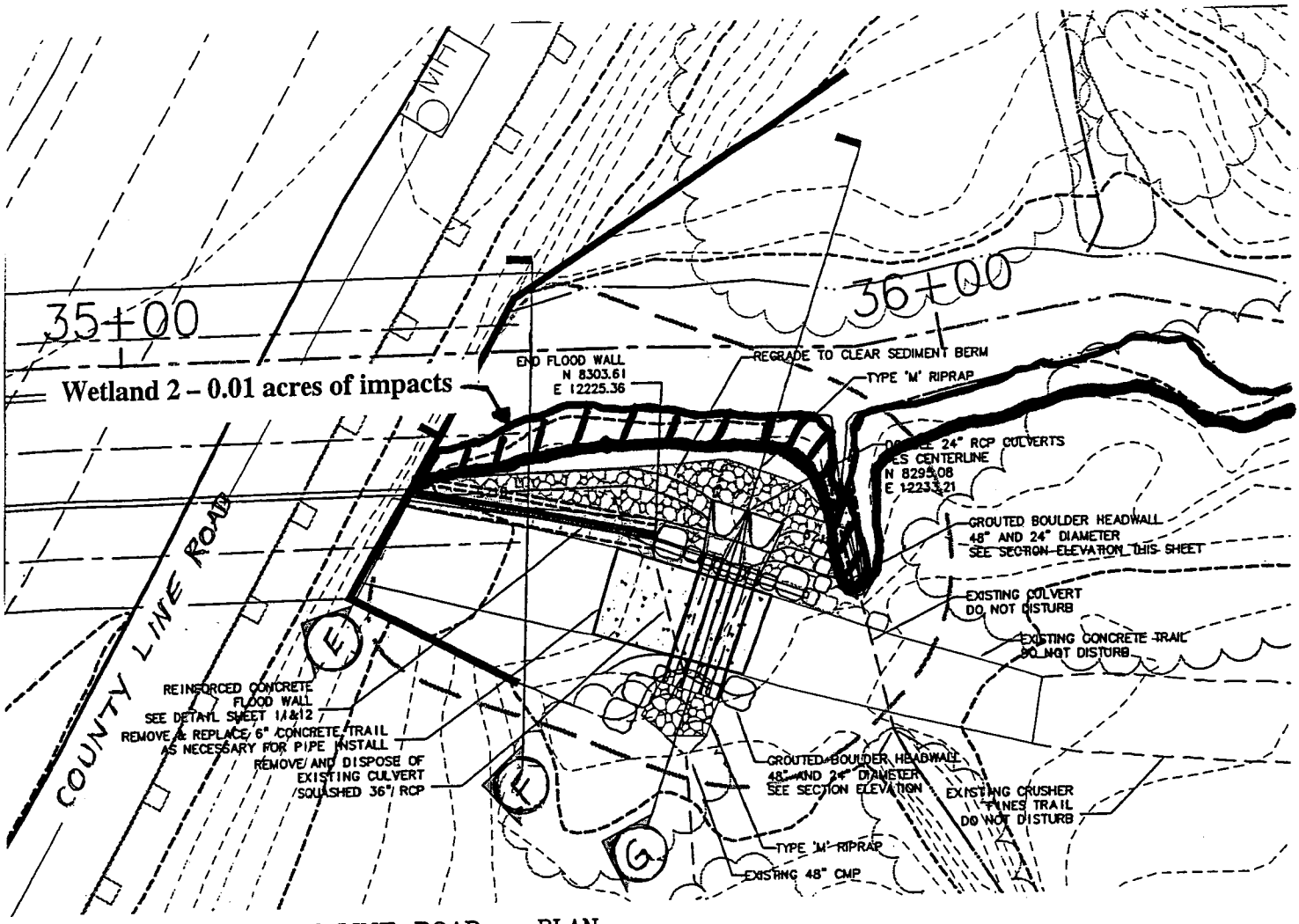
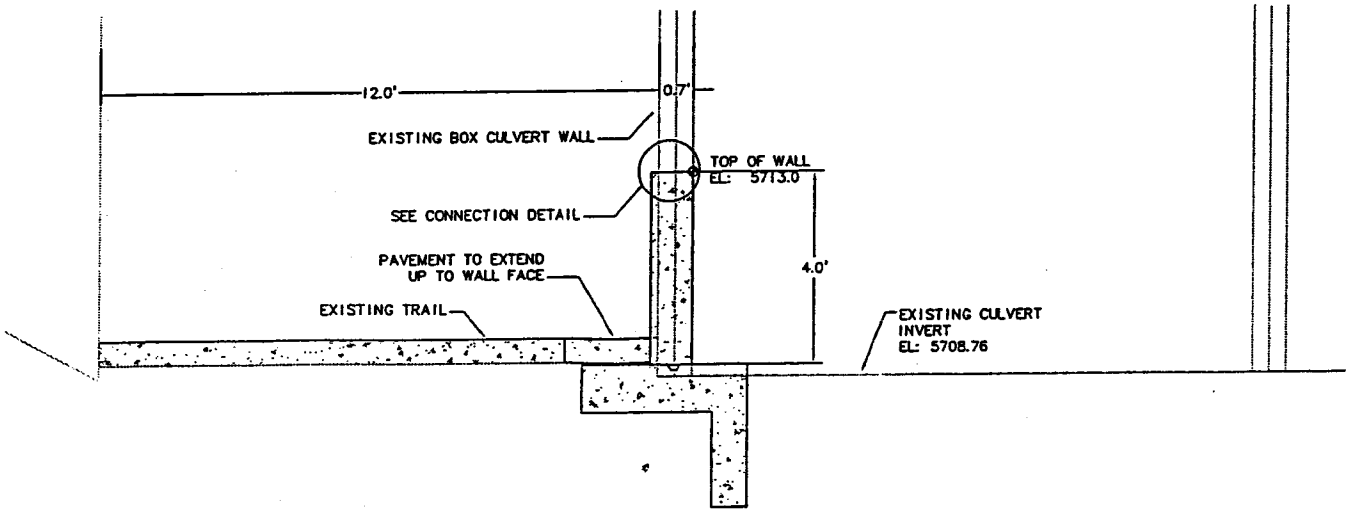


UPSTREAM OF COUNTY LINE ROAD – PLAN

SCALE: 1" = 10'



E 11 11 SECTION E – UPSTREAM FACE OF BOX CULVERT

SCALE: NTS

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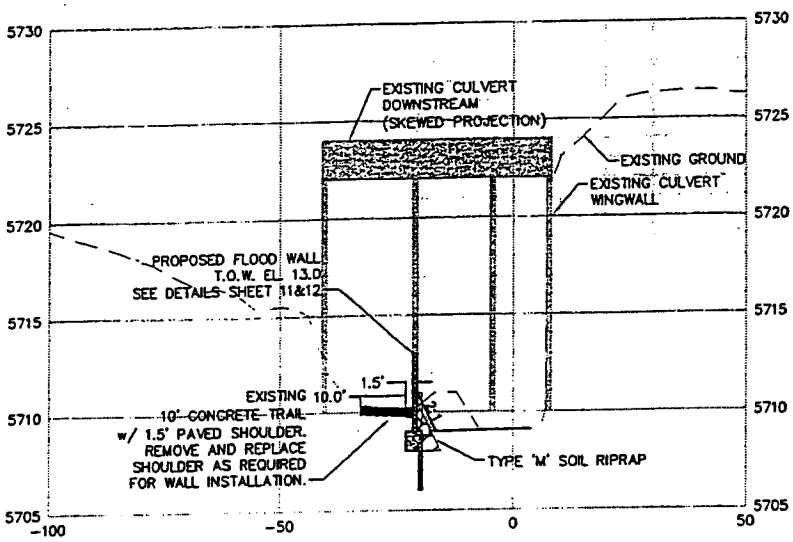
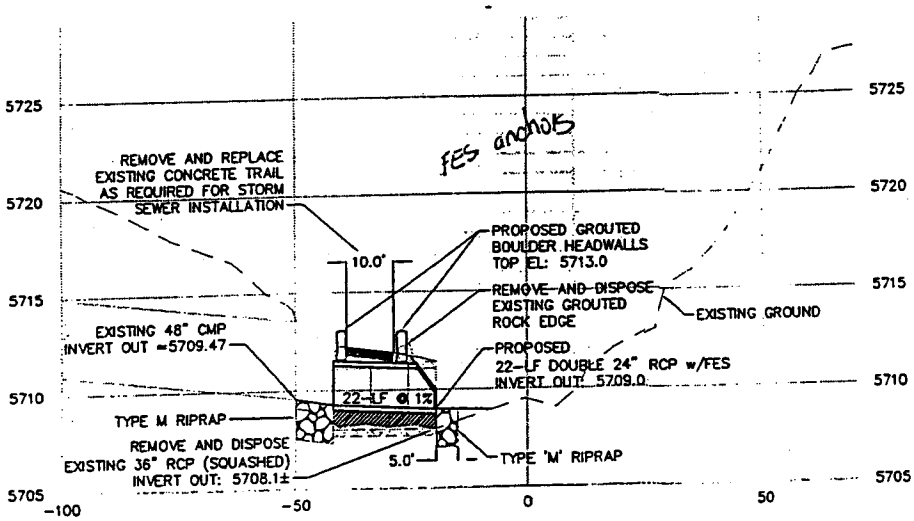


F 11|11 SECTION F
SCALE: 1:20 H, 1:5 V



G 11|11 SECTION G
SCALE: 1:20 H, 1:5 V

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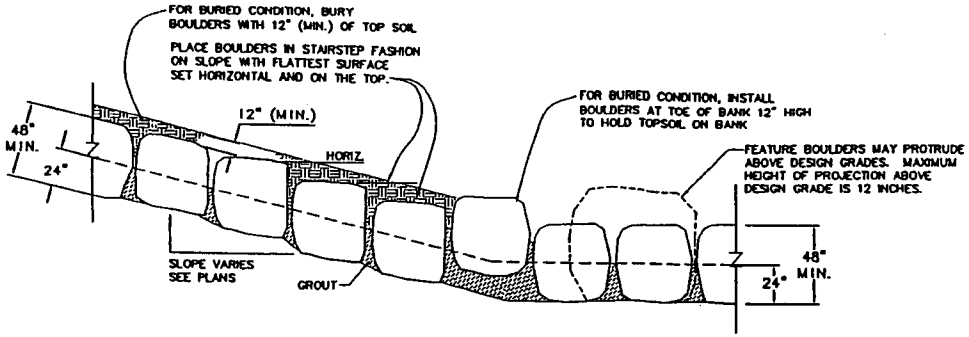
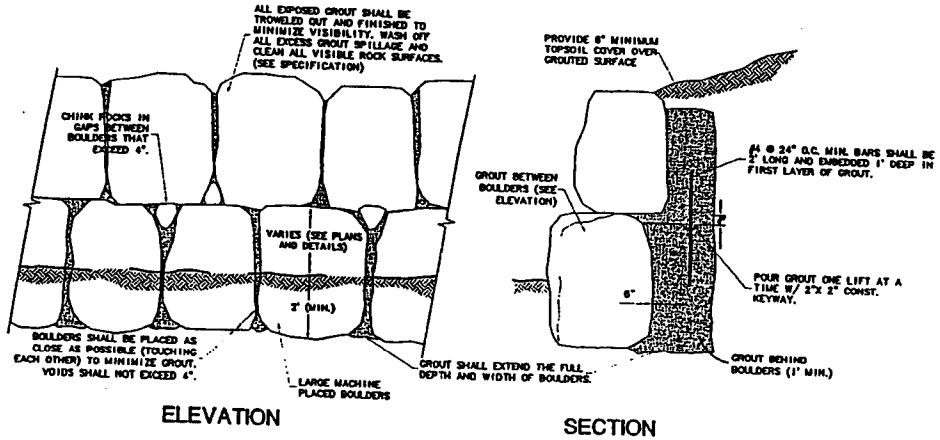


GROUTED BOULDERS

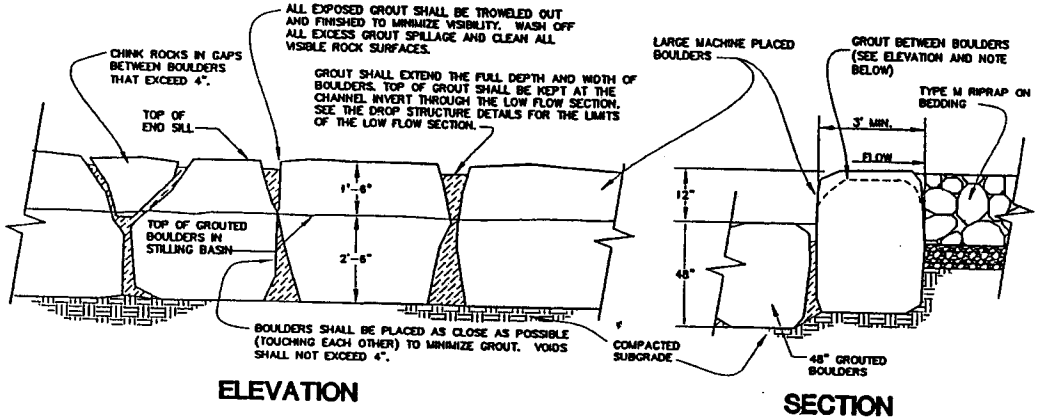
GROUTED BOULDER PLACEMENT DETAILS

N.T.S.



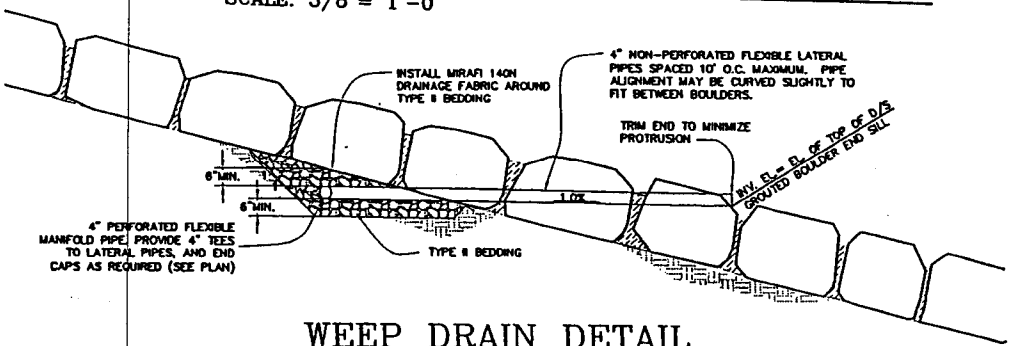
STACKED GROUTED BOULDER EDGE

SCALE: 3/8"= 1'-0"



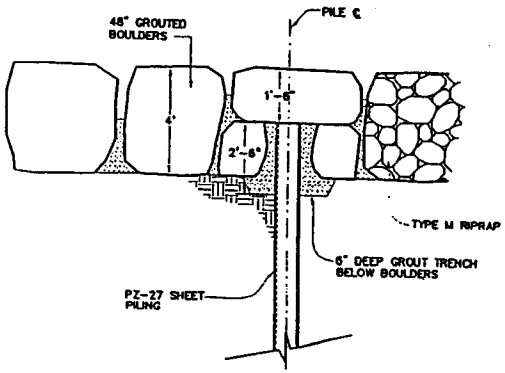
GROUTED BOULDER END SILL DETAIL

SCALE: 3/8"= 1'-0"



GROUTED BOULDER EDGE

SCALE: 3/8"= 1'-0"



GROUTED BOULDER CAP

SCALE: 3/8"= 1'-0"

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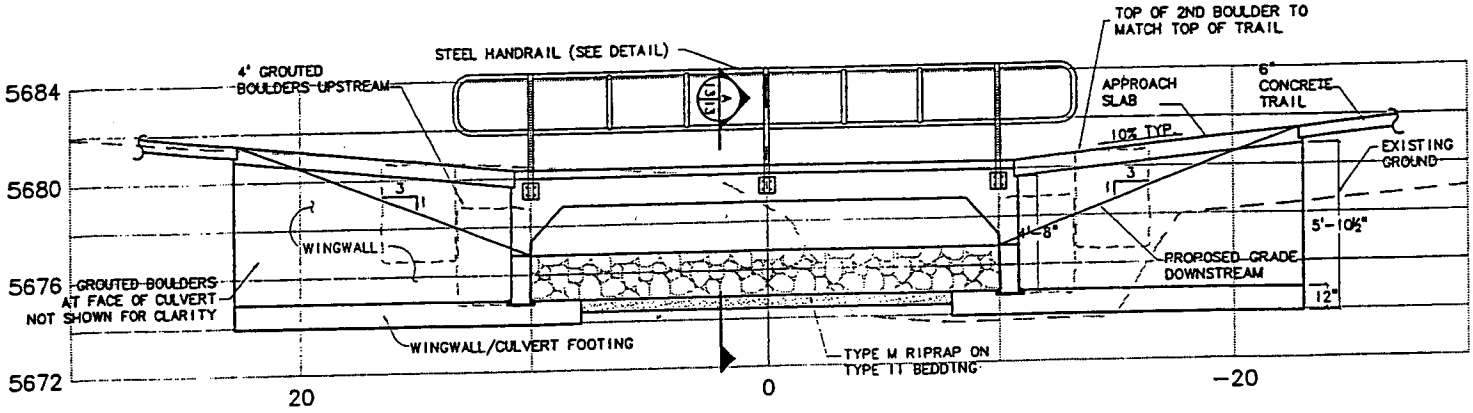
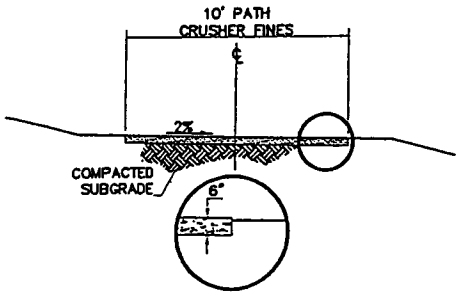
WEEP DRAIN DETAIL
GRADE CONTROL STRUCTURES 2 & 3 ONLY

SCALE: 3/8"= 1'-0"



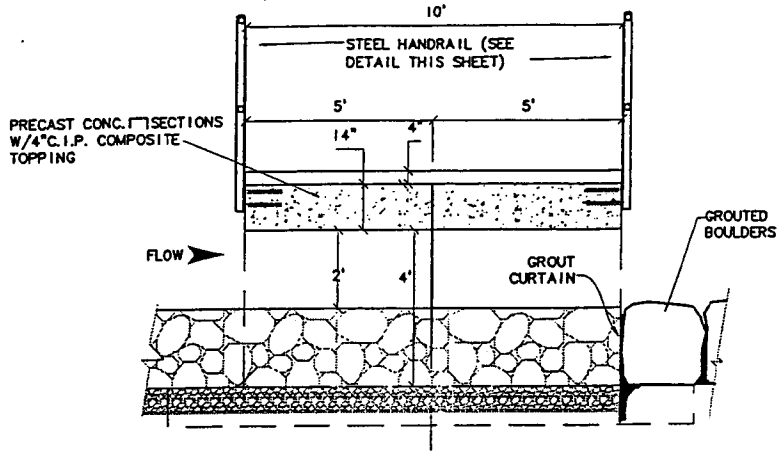
TRAIL CROSSING PROFILE (LOOKING U/S)

SCALE : SCALE : 1/4" = 1'-0"



CRUSHER FINES DETAIL

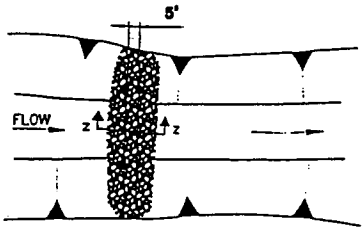
SCALE: NTS



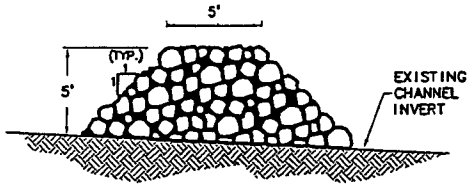
SECTION

A 13 13

SCALE : 1/2" = 1'-0"



PLAN VIEW



SECTION Z-Z

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NOTES:

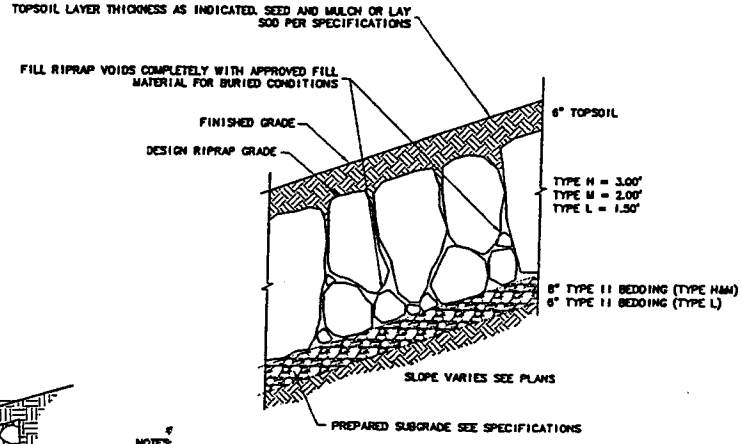
1. THE TEMPORARY CHECK DAM SHALL EXTEND ACROSS THE ENTIRE CHANNEL.

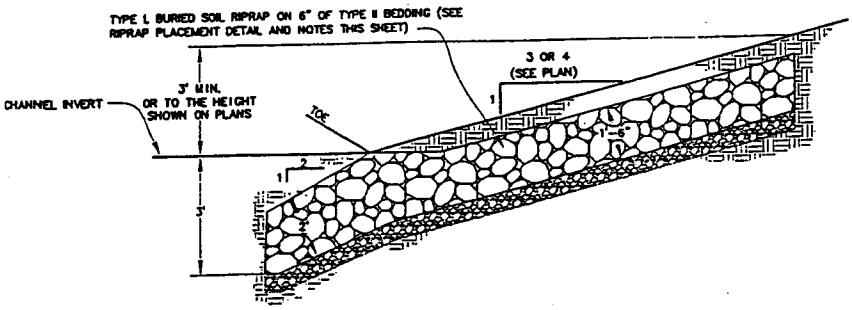
2. THE CONTRACTOR SHALL MAINTAIN THE CHECK DAM DURING CONSTRUCTION. SEDIMENT SHALL BE REMOVED AND DISPOSED OF PERIODICALLY WHEN IT REACHES A MAXIMUM DEPTH OF 18 INCHES BEHIND THE CHECK DAM.

3. AFTER CONSTRUCTION, ALL ACCUMULATED SEDIMENT BEHIND THE CHECK DAM SHALL BE REMOVED AND DISPOSED OF AND ALL ROCK SHALL BE SPREAD INTO THE CHANNEL BOTTOM AND BURIED SO AS NOT THE CHANGE THE FINAL DESIGNED CHANNEL INVERT.

CHECK DAM

SCALE: NTS





RIPRAP TOE PROTECTION DETAIL

SCALE: 3/8" = 1'-0"

NOTES:

1. EXPOSED AND BURIED RIPRAP DETAILS ARE APPLICABLE TO FLAT OR SLOPED AREAS. REFER TO THE SITE PLAN FOR ACTUAL LOCATION AND LIMITS OF EACH TYPE.

2. GENERAL PLACEMENT TECHNIQUES SHOULD RESULT IN LARGER ROCK AT THE SURFACE WITH ROCK SECURELY INTERLOCKED AT THE DESIGN THICKNESS AND GRADE. COMPACTION AND LEVELING SHOULD RESULT IN MINIMAL VOIDS AND PROJECTIONS ABOVE GRADE. TYPICAL FOR BOTH BURIED AND EXPOSED RIPRAP.

3. ALL MATERIALS AND PLACEMENT REQUIREMENTS FOR RIPRAP AND BEDDING SHALL MEET THE UDFCD CRITERIA.

4. FOR BURIED SOIL RIPRAP THE RIPRAP SHALL BE MIXED WITH ON-SITE SOILS PRIOR TO INSTALLATION. THE MIXTURE SHALL CONTAIN 80% ROCK AND 20% SOIL. TOPSOIL SHALL THEN BE PLACED OVER THE TOP OF THE INSTALLED MIXTURE TO THE DEPTHS SHOWN ON THE PLANS.

RIPRAP PLACEMENT DETAIL & NOTES

N.T.S.