IOWA DEPARTMENT OF NATURAL RESOURCES

CONSTRUCTION DOCUMENTS FOR COON CREEK WMA STREAMBANK STABILIZATION

WINNESHIEK COUNTY, IOWA

PROJECT # 12-03-96-03

LICENSED PROFESSIONAL ENGINEER
GABRIEL S. LEE
12882
IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED UNDER MY SUPERVISION AND THAT ENGINEERING DECISIONS WITH REGARD TO THE DESIGN WERE MADE BY ME UNDER THE LAWS OF THE STATE OF IOWA.

SIGNATURE DATE

GABRIEL S. LEE
PRINTED OR TYPED NAME

MY LICENCE RENEWAL DATE IS DECEMBER 31, 2014
PAGES COVERED BY THIS SEAL:

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com
811

DIRECTORY

PROJECT MANAGER		CONSTRUCTION INSPECTOR	
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES
ADDRESS	502 E 9TH ST	ADDRESS	956 EAST MAIN STREET
CITY,STATE,ZIP	DES MOINES, IA 50319	CITY,STATE,ZIP	NEW HAMPTON, IA, 50659
CONTACT	BUTCH DOORENBOS	CONTACT	MEL PACOVSKY
TELEPHONE	515-281-8123	TELEPHONE	319-240-3553
FAX		FAX	641-394-5105
EMAIL	Butch.Doorenbos@dnr.iowa.gov	EMAIL	melvin.pacovsky@dnr.iowa.gov

PROJECT DESCRIPTION

THIS PROJECT CONSITS OF STABILIZING THE STREAMBANK ALONG THE UPPER IOWA RIVER AT THE COON CREEK WMA. CONSTRUCTION INCLUDES SHAPING BANK TO A SLOPE OF 2.5 : 1, REVERTMENT AND ARMORING THE TOE A LONG THE SHORELINE. REMOVING THE DEPOSITED MATERIALS AND OTHER INCIDENTAL WORK AS DIRECTED BY THE D.N.R ENGINEERING CONSTRUCTION INSPECTOR IN WINNSHIEK COUNTY.

AUTHORIZATION TO BID

AUTHORIZATION - PARKS | WILDLIFE | FISHERIES | LAW ENFORCEMENT | FORESTRY DATE

ENGINEERING BUREAU CHIEF DATE

SHEET INDEX

1	COVER SHEET
2	PROJECT LOCATION
3	OVER ALL SITE
4	SLOPE PROTECTION PLAN
5	PROFILE
6	CROSS SECTION 1
7	CROSS SECTION 2
8	CROSS SECTION 3
9	CROSS SECTION 4
10	CROSS SECTION 5
11	CROSS SECTION 6
12	DETAILS
13	CROSS SECTION DEPOSITED MATERIAL 1
14	CROSS SECTION DEPOSITED MATERIAL 2

CONSULTANT:

IOWA DEPARTMENT OF NATURAL RESOURCES
ENGINEERING SERVICES - WALLACE BUILING
502 E. 9TH ST., DES MOINES, IA 50319-0034

DNR

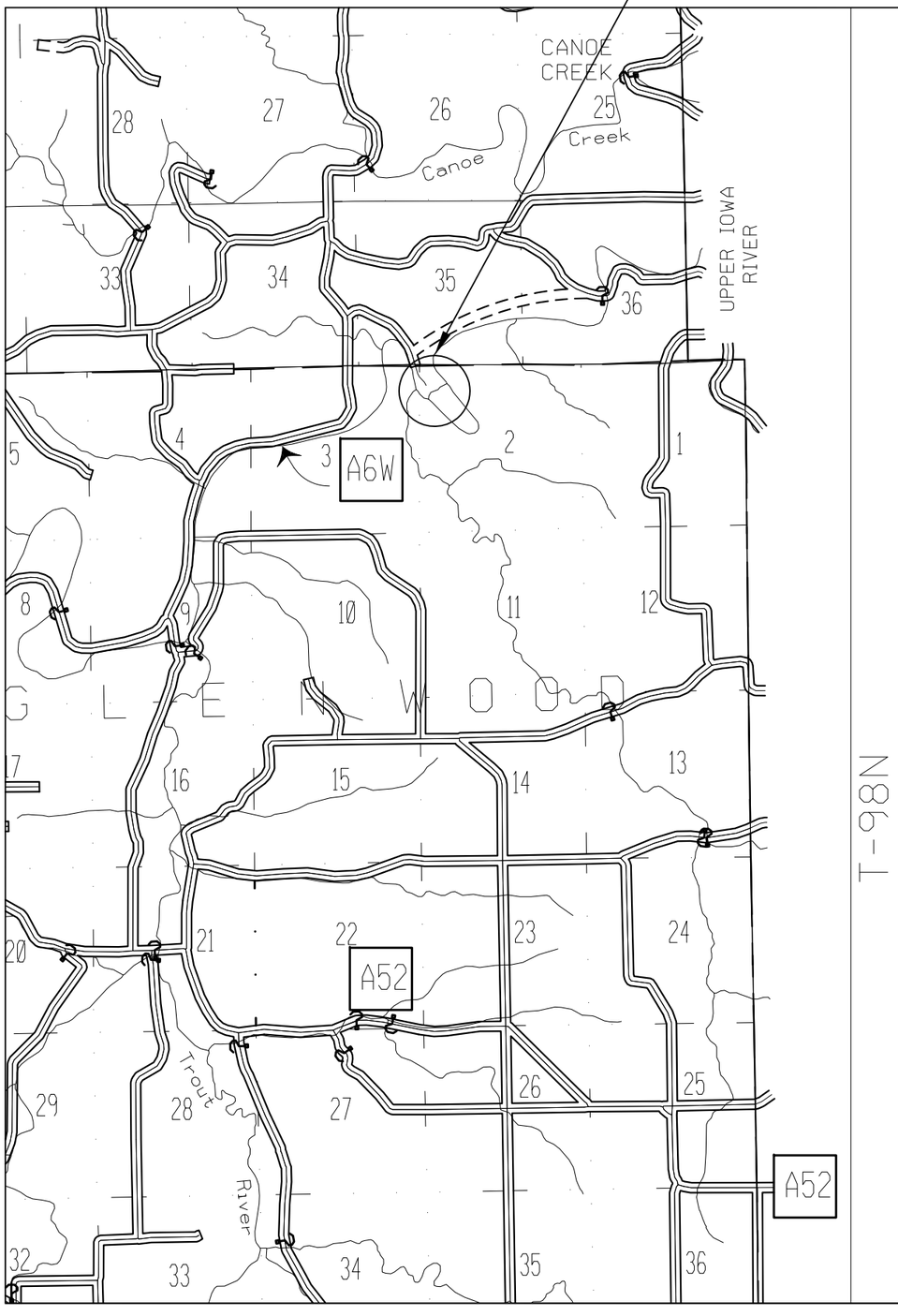
COVER SHEET

STREAMBANK STABILIZATION FOR:
COON CREEK WMA
WINNESHIEK COUNTY

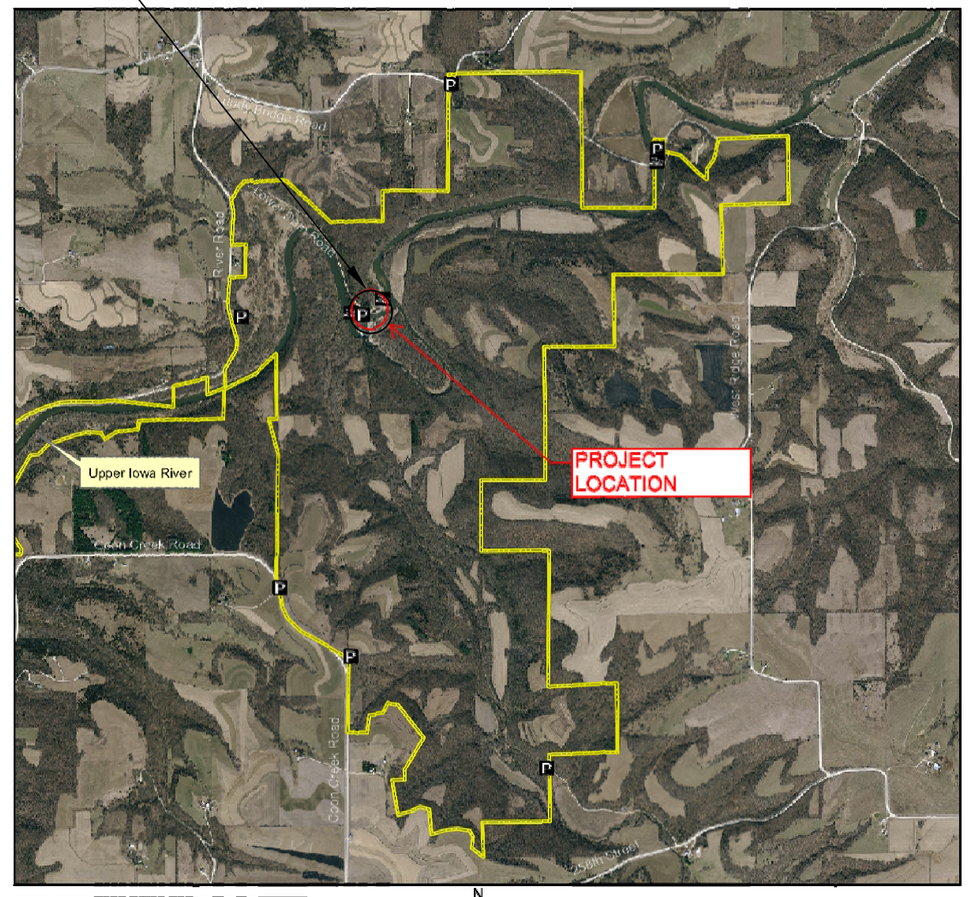
NO.	BY DATE	REVISION

DRAWN BY: E.S
PROJECT NUMBER: 12-03-96-03
CHK'D BY: G.L
DATE: 2013
SHEET No: 1

PROJECT LOCATION



Coon Creek Wildlife Management Area



Legend

State Areas open to hunting
- WMA Boundary
- Parking Lot
- Canoe Access

2010 Aerial Photography

Map Creation Date: 8/2011

N

Miles 0 0.25 0.5

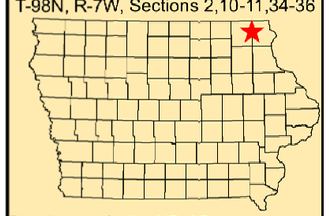
Acres: 1,713

Habitat: 3/4 Timber, 1/4 Upland, Coon Creek

Species: Deer, Turkey, Squirrel, Grouse, Dove

Contact: Terry Haindfield
Upper Iowa Wildlife Unit
563-546-7960

Winneshiek County, Iowa
T-98N, R-7W, Sections 2,10-11,34-36



Directions: 4.3 miles NE of Freeport on River Rd, 0.2 mile E on 143rd Ave, 1.3 miles ENE on Coon Creek Rd.

Every effort has been made to accurately depict the boundaries on this map. However, users should rely on boundary signs actually located in this area to ensure they do not trespass on private property.

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PROJECT LOCATION

STREAM BANK STABILIZATION FOR
COON CREEK WMA

WINNISHIEK COUNTY, IOWA

NO.	BY: DATE	REVISION

DRAWN BY: ES
PROJECT NUMBER: 12-06-29-03
CHK'D BY: GL
DATE: 2013
SHEET No: 2

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OVERALL SITE PLAN

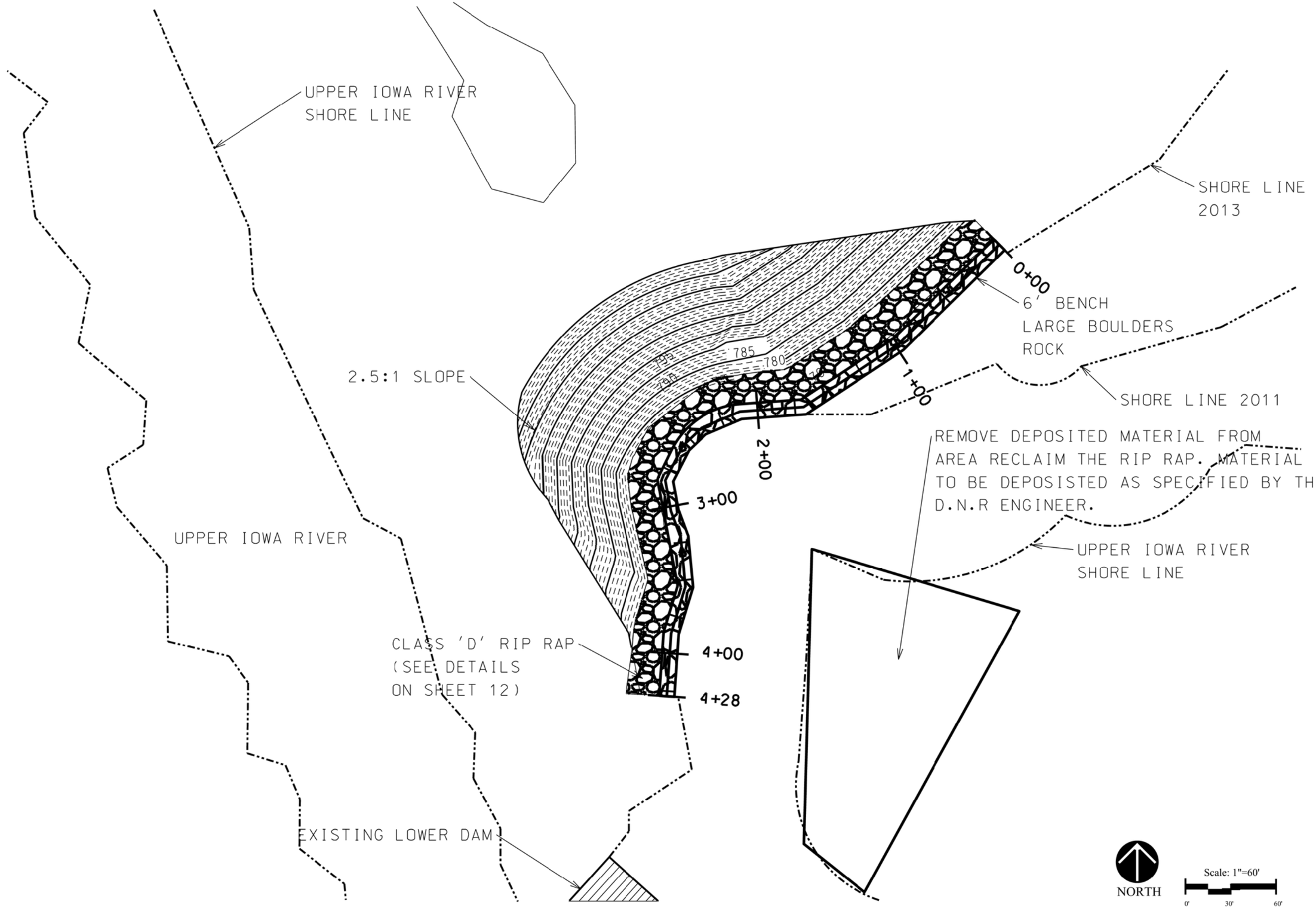
STREAMBANK STABILIZATION FOR:

COON CREEK WMA

WINNESHIEK COUNTY, IOWA

NO.	BY / DATE	REVISION

DRAWN BY: E.S	PROJECT NUMBER: 12-03-96-03
CHK'D BY: G.L	DATE: 2013
SHEET No:	3



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SLOPE PROTECTION PLAN

STREAMBANK STABILIZATION FOR:

COON CREEK WMA

WINNESHIEK COUNTY, IOWA

NO.	BY / DATE	REVISION

DRAWN BY: E.S

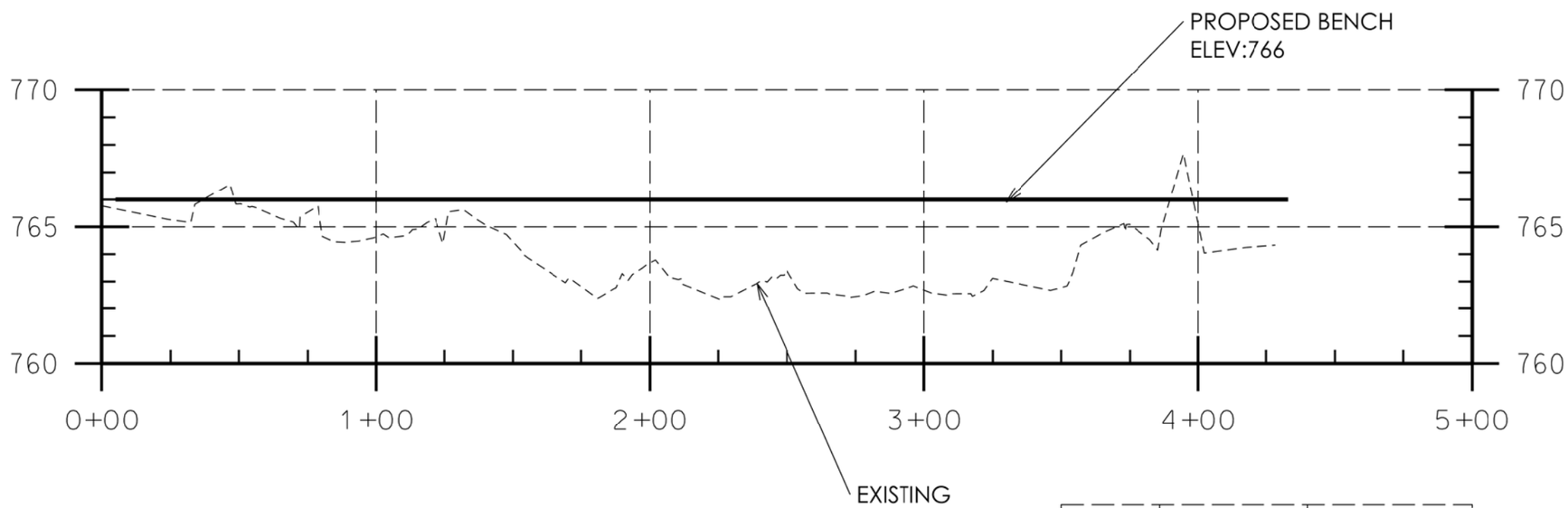
PROJECT NUMBER: 12-03-96-03

CHK'D BY: G.L.

DATE: 2013

SHEET No: 4

PROFILE



LINE	SURFACE	OFFSET
----	4845WATER	0.00

Scaled 10.0000 Times Ver.
Scaled 1.0000 Times Hor.

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PROFILE

STREAMBANK STABILIZATION FOR:
COON CREEK WMA

WINNESHIEK COUNTY, IOWA

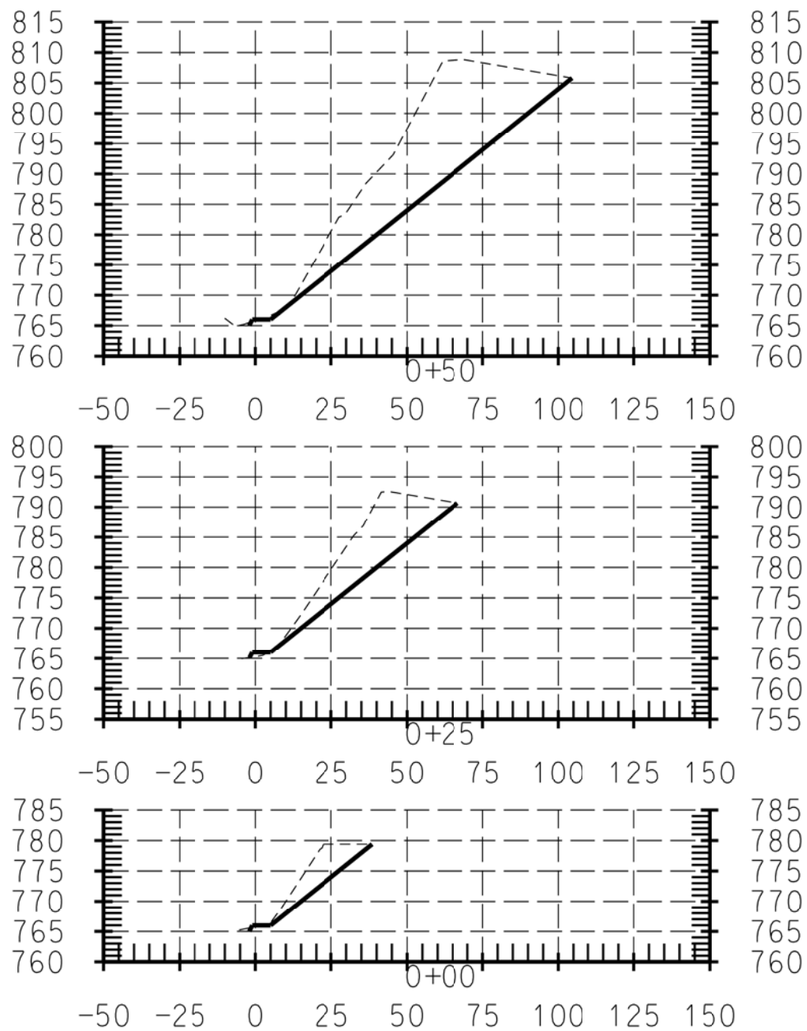
NO	BY / DATE	REVISION

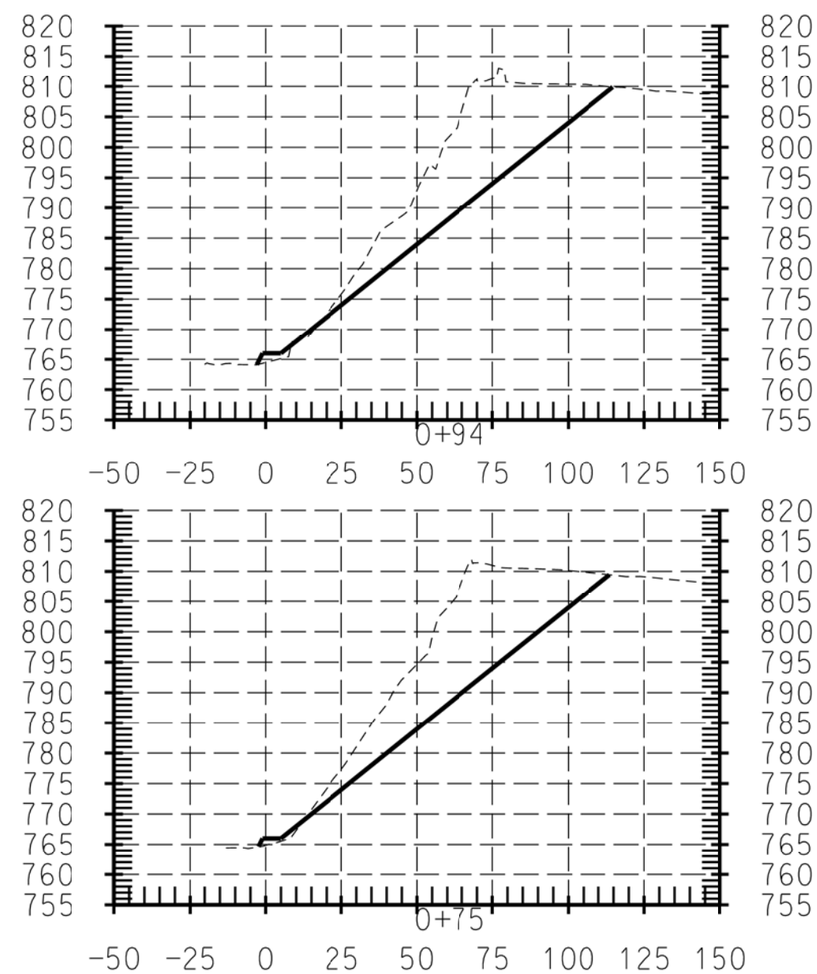
DRAWN BY: E.S
PROJECT NUMBER: 12-03-96-03
CHK'D BY: G.L
DATE: 2013
SHEET No: 5

EXISTING SLOPE

PROPOSED SLOPE

STA.0+00 TO STA.0+94





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STA. 0+00 - 1+50

STREAMBANK STABILIZATION FOR:

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WINNESHIEK COUNTY, IOWA

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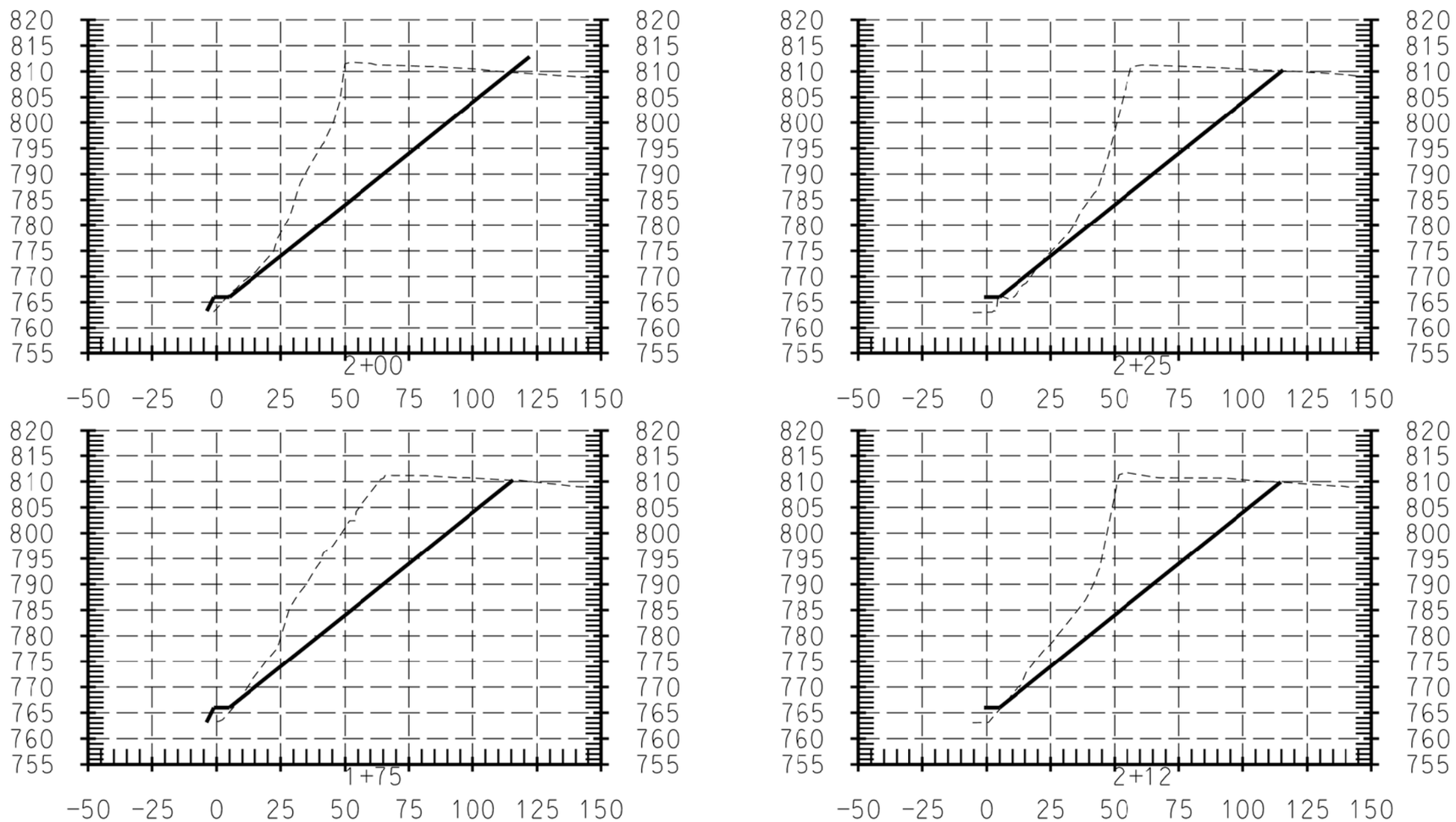
PROJECT NUMBER: 12-03-96-03
CHK'D BY: G.L
DATE: 2013
SHEET No: 6

EXISTING SLOPE

STA.1+75 TO STA.2+25

PROPOSED SLOPE



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502 E. 9TH ST., DES MOINES, IA 50319-0034

STA. 1+75-2+25

STREAMBANK STABILIZATION FOR:

COON CREEK WMA

WINNESHIEK COUNTY, IOWA

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PROJECT NUMBER: 12-03-96-03

CHK'D BY: G.L

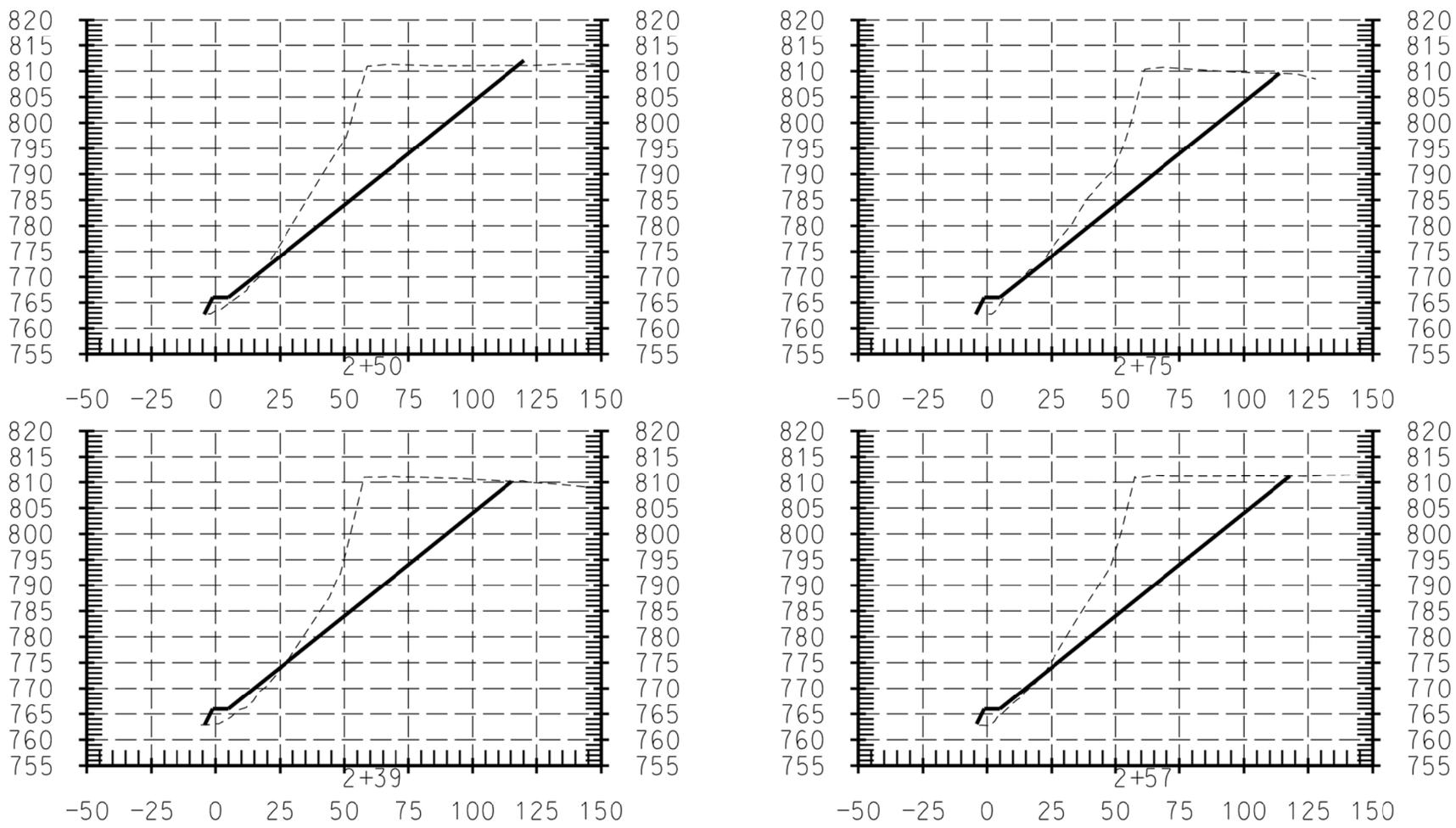
DATE: 2013

SHEET No: 7

EXISTING SLOPE

PROPOSED SLOPE

STA.2+39 TO STA.2+75



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STA. 2+39- 2+75

STREAMBANK STABILIZATION FOR:

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WINNESHIEK COUNTY, IOWA

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CHK'D BY: G.L

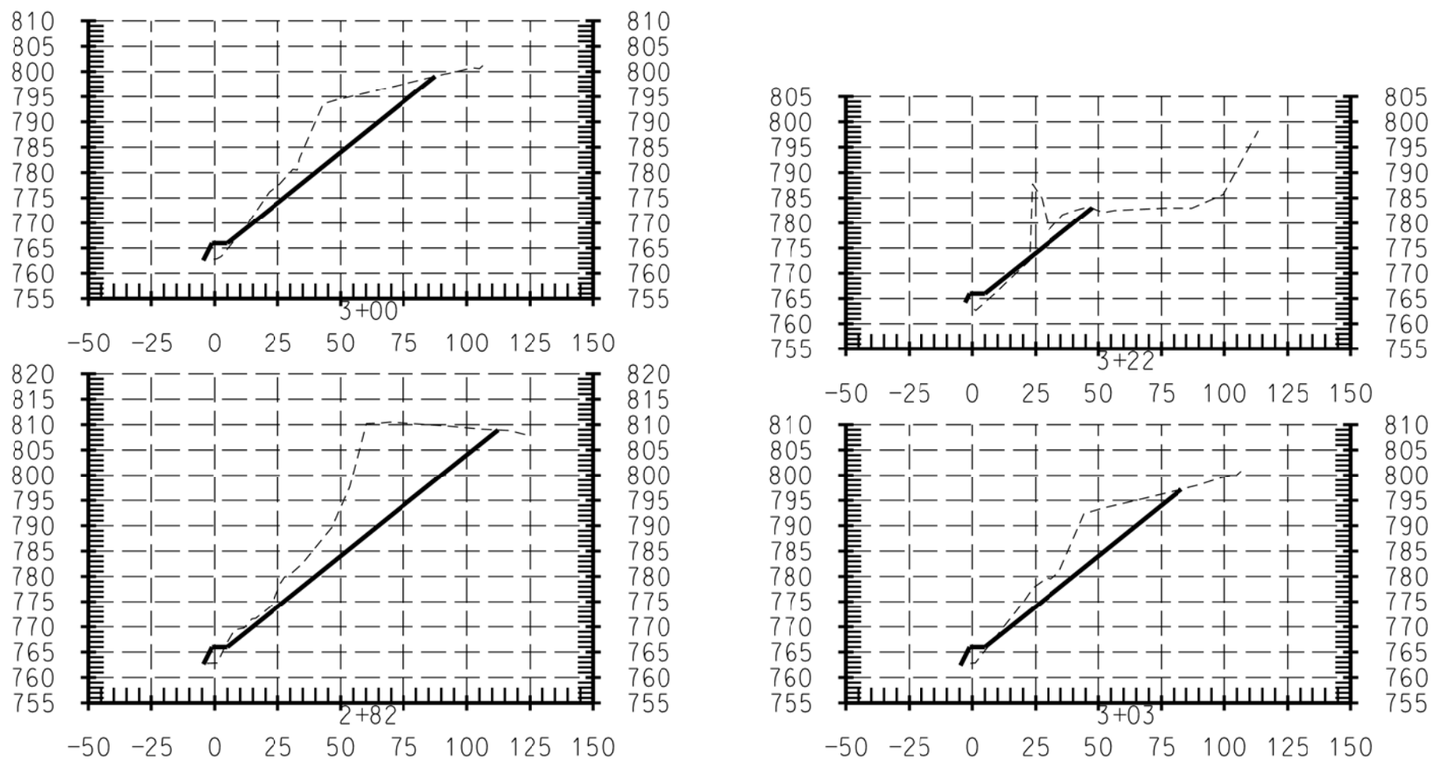
DATE: 2013

SHEET No: 8

-------- EXISTING SLOPE

STA.2+82 TO STA.3+22

——— PROPOSED SLOPE



CONSULTANT:

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STA. 2+82-3+22

STREAMBANK STABILIZATION FOR:

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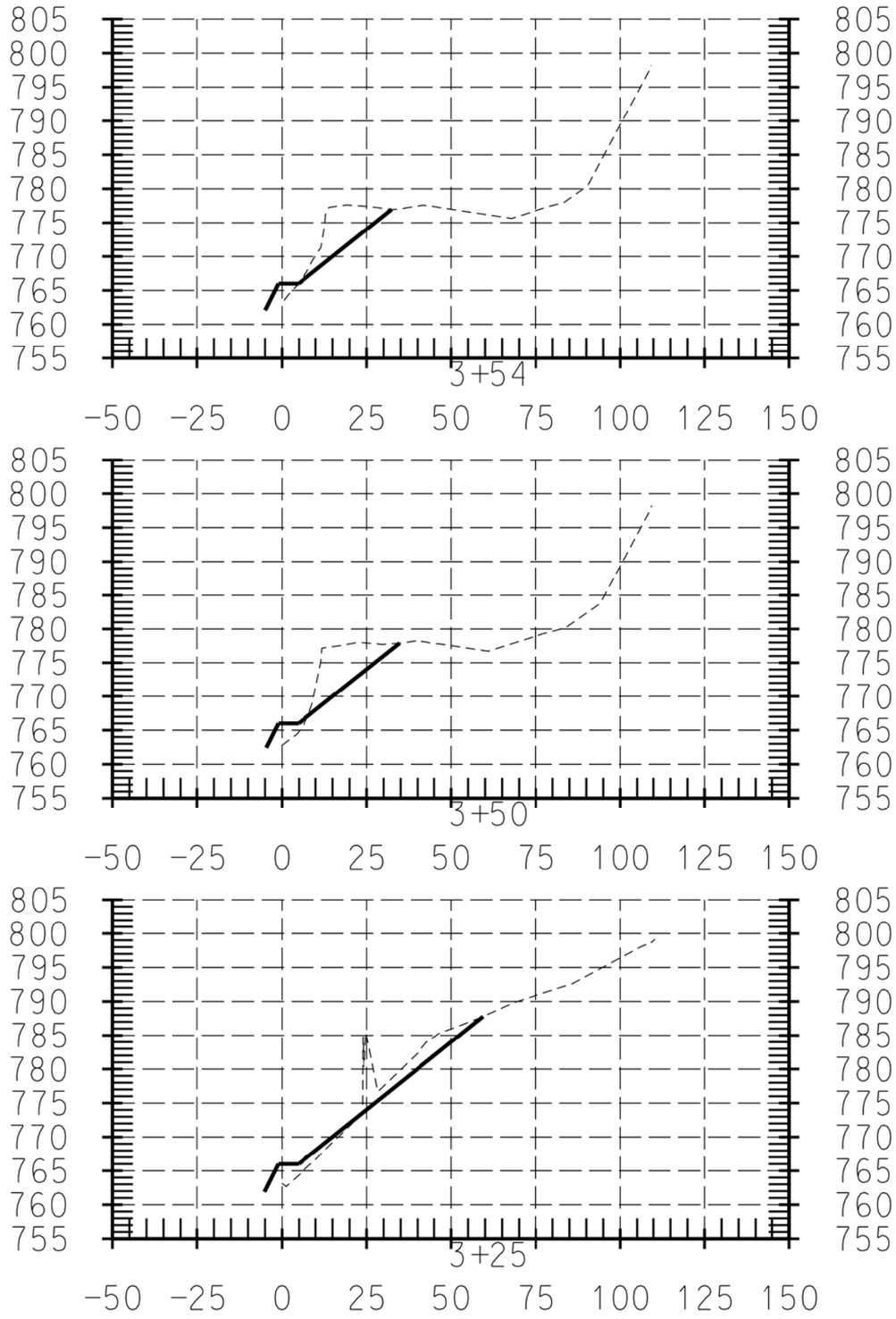
CHK'D BY: G.L

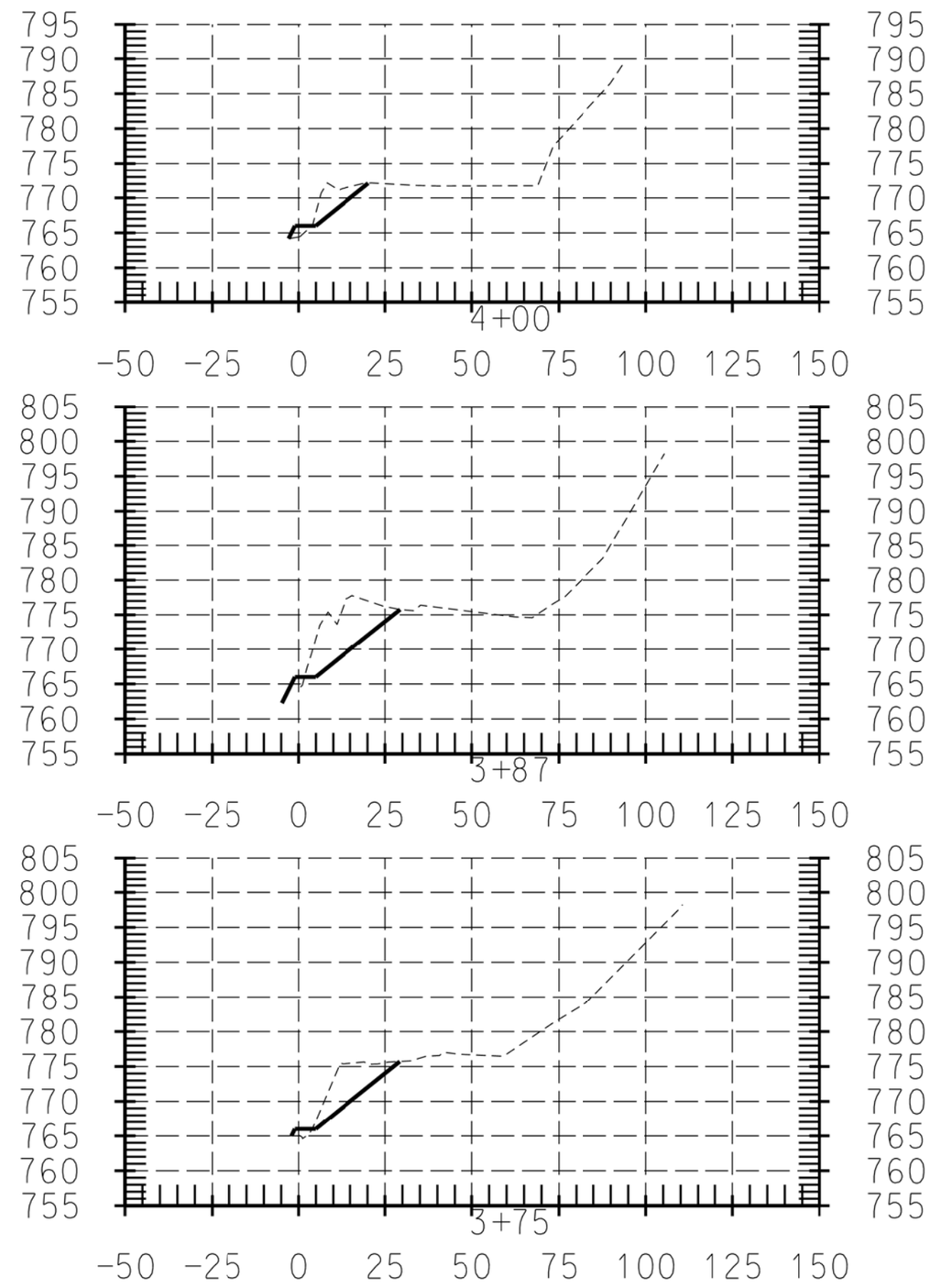
DATE: 2013

SHEET No: 9

EXISTING SLOPE ---------- PROPOSED SLOPE ————

STA.3+25 TO STA.4+00





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STA. 3+54-4+00

STREAMBANK STABILIZATION FOR:

COON CREEK WMA

WINNESHIEK COUNTY, IOWA

NO.	BY DATE	REVISION

DRAWN BY: E.S — PROJECT NUMBER: 12-03-96-03

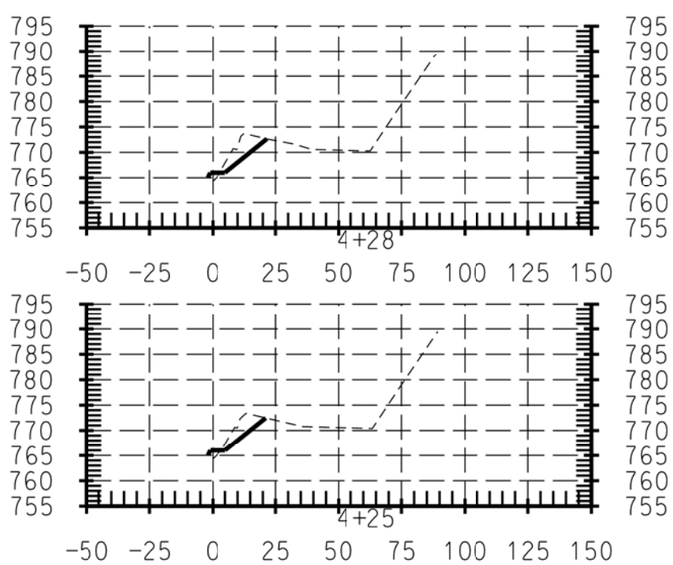
CHK'D BY: G.L — DATE: 2013

SHEET No: 10

-------- EXISTING SLOPE

——— PROPOSED SLOPE

STA.4+25 TO STA.4+28



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STATION 4+25-4+28

STREAMBANK STABILIZATION FOR:

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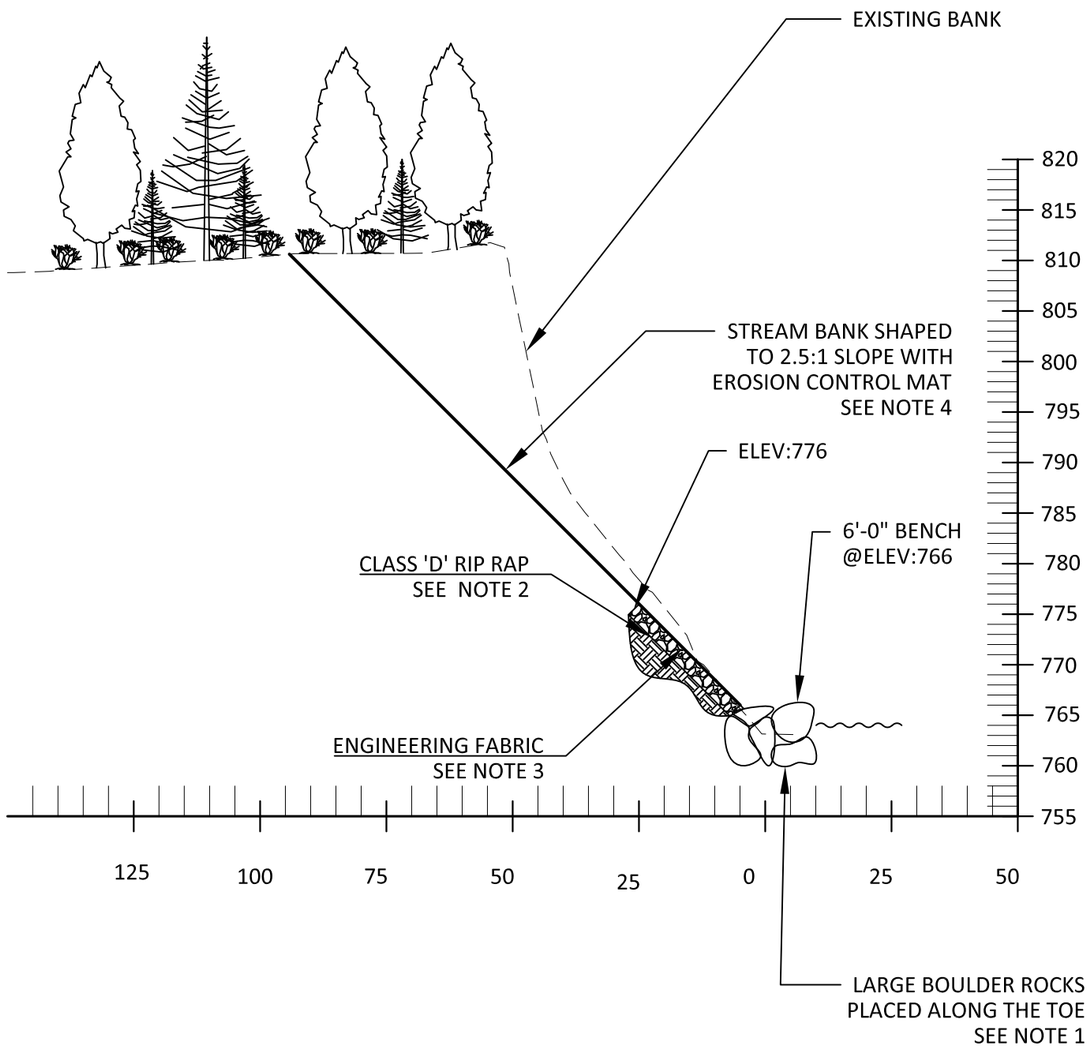
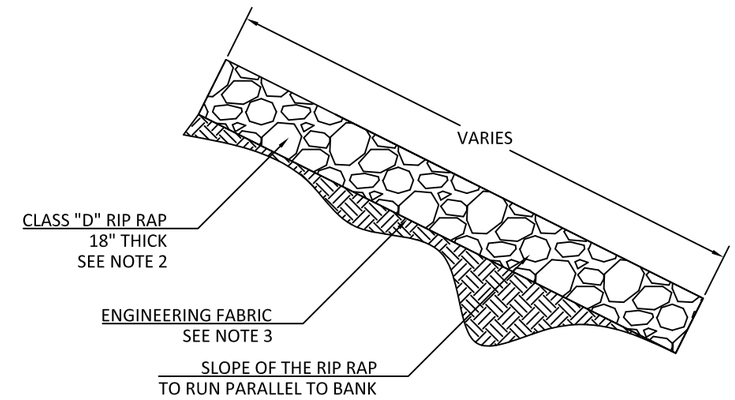
DRAWN BY: E.S
PROJECT NUMBER: 12-03-96-03
CHK'D BY: G.L
DATE: 2013
SHEET No:
11



Scale: 1"=30'

0' 15' 30'



TYPICAL ARMORING SHORELINE SECTION

NOT TO SCALE

NOTE:
PLACE 18" DEPTH OF CLASS "D" RIPRAP ALONG THE SHORELINE AS APPROVED BY THE D.N.R ENGINEER, CLEARING , GRUBBING AND SHAPING AS NEEDED TO BE INCIDENTAL TO PLACING OF RIPRAP.

SEEDING , FERTILIZING AND MULCHING IS TO BE DONE ONLY ON DISTURBED AREAS AS APPROVED BY THE D.N.R ENGINEER

NOTE:

1. LARGE BOULDERS ON TOE SHALL MEET THE REQUIREMENT OF IOWA DEPARTMENT OF TRANSPORTATION (IDOT) STANDARD SPECIFICATION SECTION 2507, REVETMENT, CLASS B MODIFIED (SERIES 2012) AT LEAST 20% OF MATERIAL IN THE 1,000 TO 2,000 LB RANGE
2. CLASS D RIPRAP SHALL MEET THE REQUIREMENT OF IOWA DEPARTMENT OF TRANSPORTATION (IDOT) STANDARD SPECIFICATION SECTION 2507 CLASS D (SERIES 2012)
3. ENGINEERING FABRIC SHALL MEET THE REQUIREMENTS OF IOWA DEPARTMENT OF TRANSPORTATION (IDOT) STANDARD SPECIFICATION SECTION 2507.02D (SERIES 2012)
4. PROVIDE EROSION CONTROL MAT, NORTHAMERICAN GREEN SI50BN INCLUDING STAPLES AND /OR STAKES. APPLY TO SLOPE ABOVE CLASS D RIP RAP, ALL AREAS GRADED.
5. SEED ALL AREAS AS DIRECTED BY THE D.N.R INSPECTOR, MEET REQUIREMENTS OF IOWA DEPARTMENT OF TRANSPORTATION (IDOT) STANDARD SPECIFICATION SECTION 2601.C STABILIZING CROP SEEDING AND FERTILIZING (SERIES 2012)

CONSULTANT:

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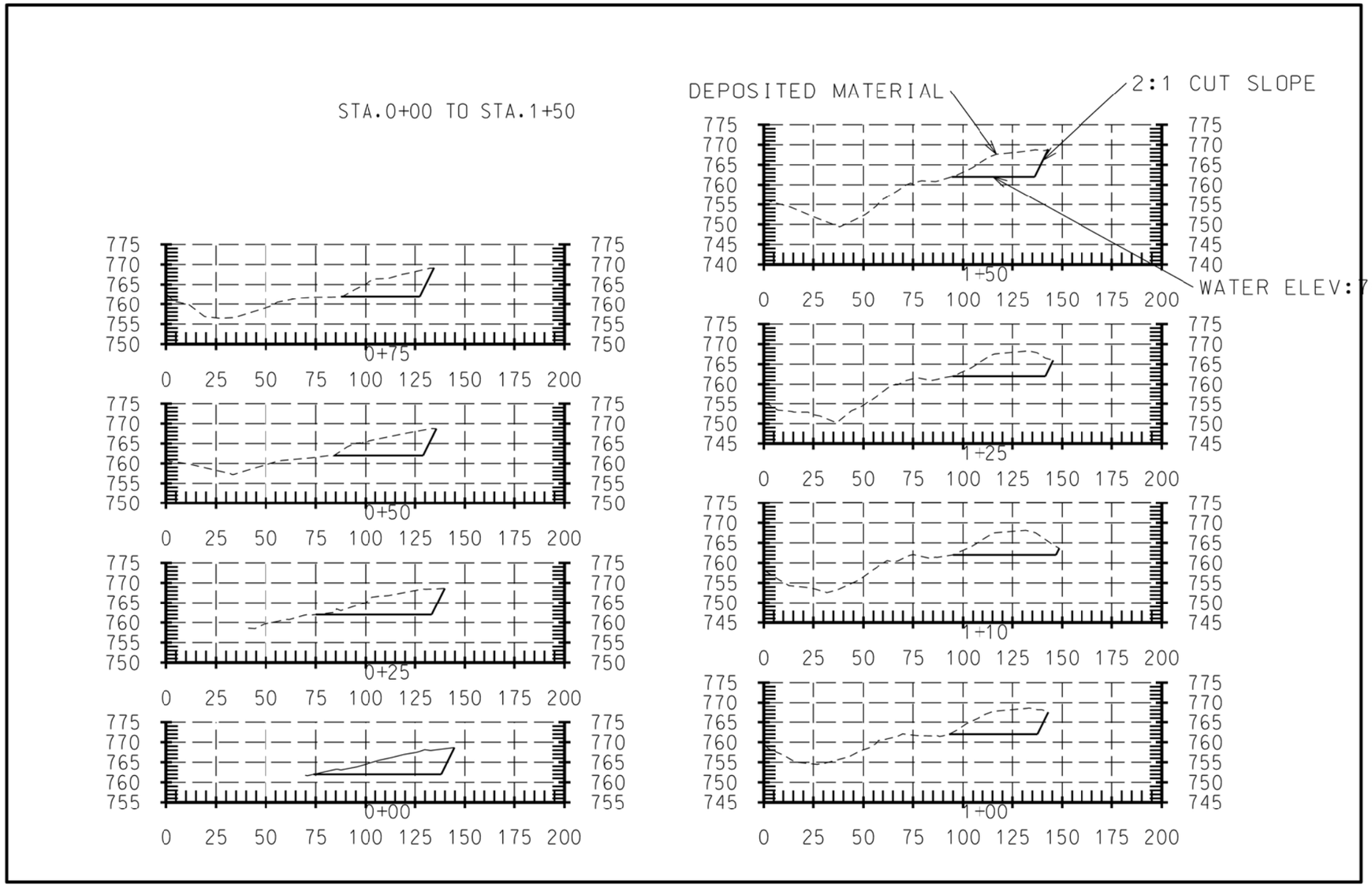
DETAILS

STREAM BANK STABILIZATION FOR
COON CREEK WMA
WINNESHIEK COUNTY, IOWA

NO.	BY DATE	REVISION

DRAWN BY: ES	PROJECT NUMBER: 12-06-29-03
CHK'D BY: GL	DATE: 2013
SHEET No:	12

CROSS-SECTION OF DEPOSITED MATERIAL



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502 E. 9TH ST., DES MOINES, IA 50319-0034

CROSS SECTION DEPOSITED MATERIAL 1

STREAMBANK STABILIZATION FOR:

COON CREEK WMA

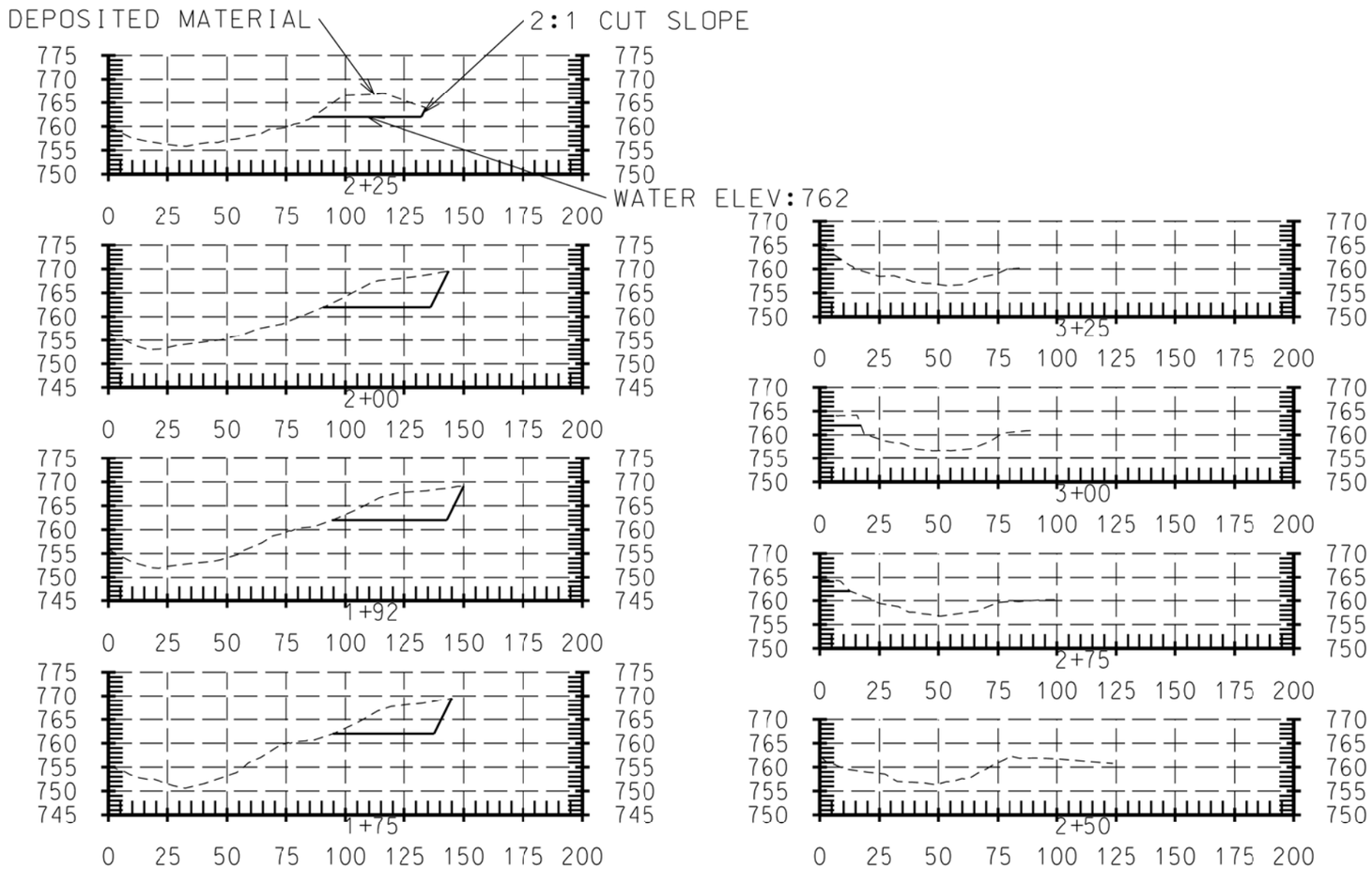
WINNESHIEK COUNTY, IOWA

NO.	BY / DATE	REVISION

DRAWN BY: E.S
PROJECT NUMBER: 12-03-96-03
CHK'D BY: G.L
DATE: 2013
SHEET No:

CROSS-SECTION OF DEPOSITED MATERIAL

STA.1+75 TO STA.3+25



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502 E. 9TH ST., DES MOINES, IA 50319-0034

CROSS SECTION DEPOSITED MATERIAL

STREAMBANK STABILIZATION FOR:
COON CREEK WMA

WINNESHIEK COUNTY, IOWA

NO.	BY / DATE	REVISION

DRAWN BY: E.S
PROJECT NUMBER: 12-03-96-03
CHK'D BY: G.L
DATE: 2013
SHEET No: 14