

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	101B-1	SCHUYLER	15	1

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
**D-96-514-01** CONTRACT NO. 72310

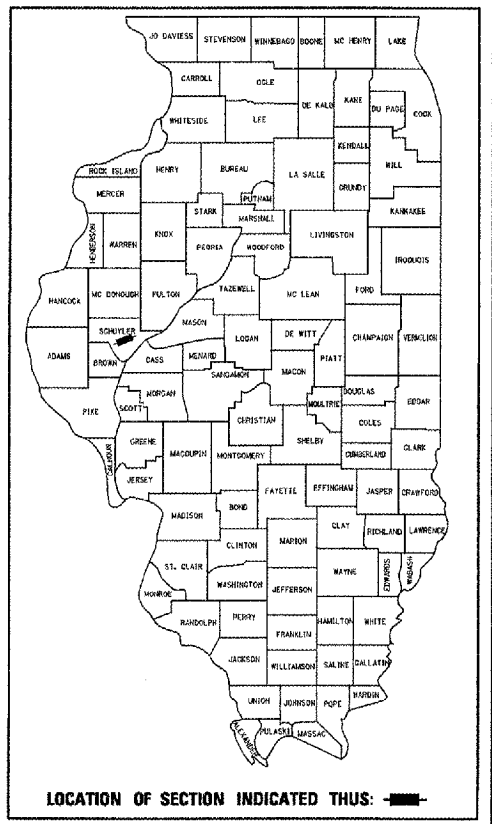
**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 GENERAL NOTES & HIGHWAY STANDARDS
- 3 SUMMARY OF QUANTITIES
- 4 EXISTING TYPICAL SECTION
- 5 SCHEDULE OF QUANTITIES
- 6 PLAN AND PROFILE SHEET
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- 12 CHANNEL RE-ALIGNMENT PLANS
- 13 CULVERT REPAIR PLANS
- 14-15 CROSS SECTIONS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

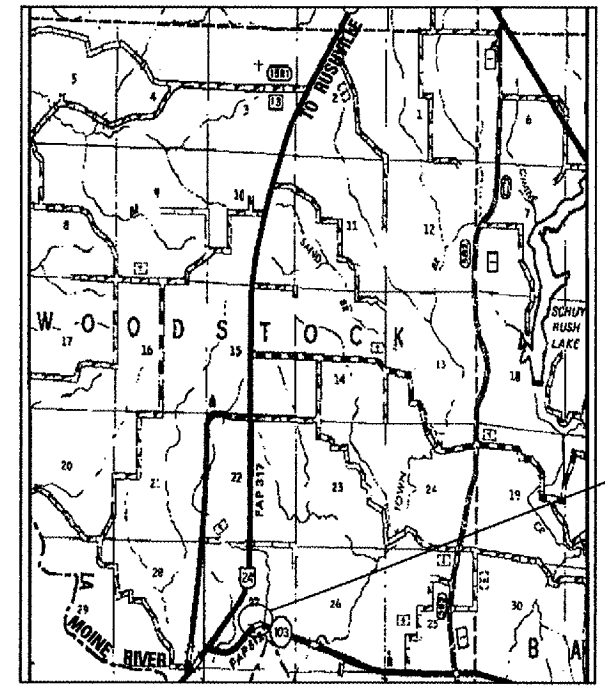
F.A.P. ROUTE 612 IL ROUTE 103  
SECTION (101B)-1  
PROJECT F-0612(017)  
**CULVERT REPAIR AND EROSION MITIGATION**

SCHUYLER COUNTY  
C-96-533-07

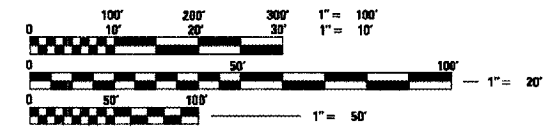


FOR SUMMARY OF QUANTITIES SEE SHEET 3

4TH P.M. R2W R1W



SN 085-2010  
STA. 45 + 38.34  
DBLE 10' X 7'  
BOX CULVERT



SCALES  
PLAN 1" = 50'  
PROFILE HORIZ. 1" = 50'  
PROFILE VERT. 1" = 10'  
CROSS SECTIONS 1" = 10'  
1" = 5'

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

FOR UNDERGROUND UTILITY LOCATIONS CALL J.U.L.I.E. TOLL FREE 1-800-892-0123 WOODSTOCK TOWNSHIP

LOCATION MAP   
GROSS AND NET LENGTH OF PROJECT = 0 MILES ADT = 1400 (1999)

CONTRACT NO. 72310

PROJECT ENGINEER: JOHN BARANZELLI (217) 782-5503  
SQUAD LEADER: MICHAEL HIRSCH (217) 782-8693

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED DEC 13 2006  
Chris M Reed  
DISTRICT ENGINEER

February 2, 2007  
Eric E. Horn  
ENGINEER OF DESIGN AND ENVIRONMENT

February 2, 2007  
Michael R. Swope, P.E.  
DIRECTOR, DIVISION OF HIGHWAYS

**BLANK, WESSELINK, COOK & ASSOCIATES**



ENGINEERS - CONSULTANTS  
DECATUR, ILLINOIS  
Sheila Kimlinger  
SHEILA J. KIMLINGER, P.E.  
DATE 11-30 20 04  
EXPIRES NOVEMBER 30, 2005

DATE PLOTTED: 11/30/04 11:42:32 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	101B-1	SCHUYLER	15	2
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 72310

**GENERAL NOTES**

- WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED AGENT OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 800-892-0123.  
  
THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES, AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT ARE NOT GUARANTEED. ALL UTILITY LOCATIONS SHOWN ARE SUPPLIED BY THE UTILITY COMPANIES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
- ALL STATION REFERENCES ARE TO THE ROADWAY CENTERLINE. THE COORDINATE SYSTEM USED FOR THE HORIZONTAL CONTROL IS LOCAL DATUM FOR THIS PROJECT.
- ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING THE PLAN QUANTITIES:
 

A.	FERTILIZER (SEED)	270 lb/acre	(1-1-1)
	NITROGEN	90 lb/acre	
	PHOSPHORUS	90 lb/acre	
	POTASSIUM	90 lb/acre	
B.	MULCH METHOD 2	2 tons/acre	
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION, AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS, OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- ADJUSTMENT OF WATER METERS, TELEPHONE, GAS, ELECTRICAL, AND CABLE T.V. FACILITIES SHALL BE DONE BY THE RESPECTIVE OWNERS. RELOCATION OF ALL UTILITIES SHALL ALSO BE DONE BY THE RESPECTIVE OWNERS.
- ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR WILL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS. PROPERTY OWNERS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO REMOVING TREES AND SHRUBS ON PROPERTY THAT HAS BEEN ACQUIRED BY THE STATE. THE PROPERTY OWNERS SHALL BE ALLOWED TIME TO TRANSPLANT TREES AND SHRUBS TO THEIR PROPERTY. OTHERWISE ALL TREES AND SHRUBS INDICATED ON THE PLANS FOR REMOVAL SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- THE FOLLOWING PROJECT COMMITMENTS HAVE BEEN MADE DURING LAND ACQUISITION:
  - NO COMMITMENTS HAVE BEEN MADE DURING LAND ACQUISITIONS.

**HIGHWAY STANDARDS**

- |           |   |
|-----------|---|
| 280001-03 | TEMPORARY EROSION CONTROL SYSTEMS   |
| 701001-01 | OFF ROAD OPERATIONS 2L, 2W, 4.5m (15') MIN. AWAY FOR SPEEDS > 45 MPH                |
| 701006-02 | OFF ROAD OPERATIONS 2L, 2W, 4.5m (15') TO PAVEMENT EDGE FOR SPEEDS > 45 MPH         |
| 701011-01 | OFF ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY FOR SPEEDS > 45 MPH                     |
| 701201-02 | LANE CLOSURE, 2L, 2W, DAY ONLY ON-ROAD TO 600 mm (24") OFF-ROAD FOR SPEEDS > 45 MPH |
| 701301-02 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS   |
| 702001-06 | TRAFFIC CONTROL DEVICES   |

EXAMINED <u>DEC 13</u> 20 <u>06</u> <i>W.R. [Signature]</i>
PROGRAM IMPLEMENTATION ENGINEER
EXAMINED <u>DECEMBER 13</u> 20 <u>06</u> <i>William E. [Signature]</i>
PROGRAM DEVELOPMENT ENGINEER

<b>DISTRICT SIX</b>
EXAMINED <u>December 13</u> 20 <u>06</u> <i>Sam L. [Signature]</i>
OPERATIONS ENGINEER

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>GENERAL NOTES AND HIGHWAY STANDARDS</b>  DRAWN BY MLO CHECKED BY SJK  DATE 11/03

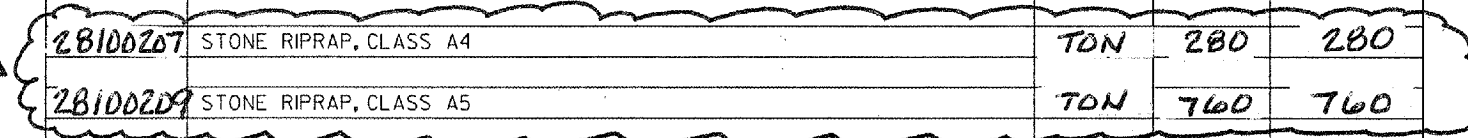
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	101B-1	SCHUYLER	15	3
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 72310

**SUMMARY OF QUANTITIES**

PAY CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 80% FEDERAL 20% STATE
20100110	TREE REMOVAL (6-15 UNITS DIAMETER)	UNIT	111	111
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	180	180
20300100	CHANNEL EXCAVATION	CU YD	1840	1840
25001100	SEEDING, CLASS 3 (SPECIAL)	ACRE	2.3	2.3
25100630	EROSION CONTROL BLANKET	SQ YD	1069	1069
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	230	230
28000300	TEMPORARY DITCH CHECKS	EACH	3	3
28000400	PERIMETER EROSION BARRIER	FOOT	303	303
<b>28100207</b>	STONE RIPRAP, CLASS A4	<b>TON</b>	<b>280</b>	<b>280</b>
<b>28100209</b>	STONE RIPRAP, CLASS A5	<b>TON</b>	<b>760</b>	<b>760</b>
28200200	FILTER FABRIC	SQ YD	1055	1055
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
<del>X0325305</del>	<del>STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")</del>	<del>SQ FT</del>	<del>18</del>	<del>18</del>
<del>59000210</del>	<del>EPOXY CRACK SEALING</del>	<del>FOOT</del>	<del>30</del>	<del>30</del>
<b>59000210</b>	<b>EPOXY CRACK INJECTION</b>	<b>FOOT</b>	<b>30</b>	<b>30</b>
Z0005300	BOX CULVERT TO BE CLEANED	EACH	2	2
<del>X0333500</del>	<del>FORMED CONCRETE REPAIR</del>	<del>SQ FT</del>	<del>18</del>	<del>18</del>

△



△ NON-PARTICIPATING

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	

**SUMMARY OF QUANTITIES**

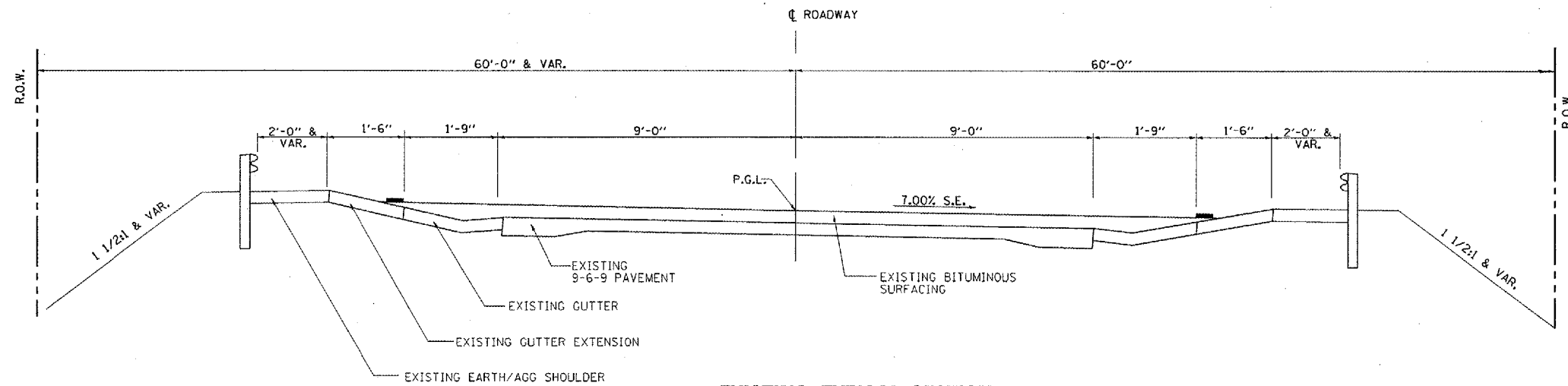
DRAWN BY MLO  
CHECKED BY SJK

DATE 11/03

△ Rev. 3-2-07

Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	101B-1	SCHUYLER	15	4
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
<b>CONTRACT NO. 72310</b>				



**EXISTING TYPICAL SECTION**  
STA. 40+60.00 TO STA. 47+08.00

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**EXISTING TYPICAL SECTION**

DRAWN BY MLO  
CHECKED BY SJK

DATE 11/03

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	101B-1	SCHUYLER	15	5
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 72310

STATION	OFFSET	UNITS
1+20.67	32' RT	7
1+38.48	39' RT	15
1+62.66	53' RT	12
1+66.11	46' RT	9
1+79.74	42' RT	7
1+79.84	46' RT	14
2+67.37	51' RT	6
2+71.28	49' RT	6
2+76.44	53' RT	10
2+81.49	44' RT	9
3+05.42	26' RT	7
3+24.13	27' RT	9
TOTAL		111

STATION	OFFSET	UNITS
1+24.23	26' RT	16
1+76.68	43' RT	16
2+15.81	68' RT	18
2+18.68	66' RT	18
2+20.32	64' RT	16
2+92.06	37' RT	40
3+30.60	21' RT	28
3+31.61	17' RT	28
TOTAL		180

STATION TO	STATION	CHANNEL EXCAVATION (CU YD)	*EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (FILL) (CU YD)	EARTHWORK BALANCE WASTE (+) SHORTAGE (-) FURNISHED EXCAVATION (CU YD)
0+20.00	1+00.00	438	329	98	231
1+00.00	2+00.00	839	629	326	303
2+00.00	3+00.00	467	350	272	78
3+00.00	3+50.00	92	69	34	35
3+50.00	4+00.00	4	3	-	3
TOTAL		1840	1380	730	650

\*EARTH EXCAVATION OR CHANNEL EXCAVATION MULTIPLIED BY SHRINKAGE FACTOR (1 - 0.25 = 0.75)

NOTE: QUANTITIES ARE TO FINAL GRADE LINES. EXCAVATION REQUIRED FOR RIPRAP AND BEDDING ARE INCLUDED IN COST OF RIPRAP PER ART. 281.07.

STATION	OFFSET	FOOT
46+80.00	RT	1
*PROVISIONAL		2
TOTAL		3

\* ADDITIONAL TWO DITCH CHECKS TO BE PLACED AS DIRECTED BY ENGINEER.

STATION TO	STATION	OFFSET	FOOT
0+96.81	3+19.36	RT	223
3+19.36	3+54.19	RT	35
0+41.00		LT	15
0+41.00	0+56.00	LT	15
0+56.00		LT	15
TOTAL			303

STATION TO	STATION	OFFSET	ACRE
38+65.79	45+05.83	LT	0.4
45+60.00	48+10.00	LT	1.5
44+40.00	48+10.00	LT	0.4
TOTAL			2.3

STATION TO	STATION	OFFSET	SO YD
0+95.56	3+50.00	RT	1069

STATION TO	STATION	OFFSET	SO YD
38+65.79	45+05.83	LT	40
45+60.00	48+10.00	LT	150
44+40.00	48+10.00	LT	40
TOTAL			230

STATION TO	STATION	OFFSET	LENGTH	AVE. WIDTH	STONE RIPRAP CLASS A4	STONE RIPRAP CLASS A5	FILTER FABRIC FOR USE W/ RIPRAP
			FEET	FEET	TON	TON	SO YD
0+01.63	0+12.22	LT	11	7			9
0+12.22	0+31.54	LT	19	14			34
0+31.54	0+41.31	LT	10	16			22
0+41.31	0+55.42	LT	14	30			57
0+55.42	0+59.23	LT	4	16			9
0+34.71	0+53.13	RT	18	9			21
0+53.13	0+70.58	RT	17	29			68
0+70.58	0+96.81	RT	26	39			134
0+96.81	3+19.36	RT	223	19			567
3+19.36	3+54.19	RT	35	15			69
46+50.00	46+85.00	RT	35	15			65
TOTALS					280	760	1055

2

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center"><b>SCHEDULE OF QUANTITIES</b></p> <p align="right">DRAWN BY MLO CHECKED BY SJK</p>

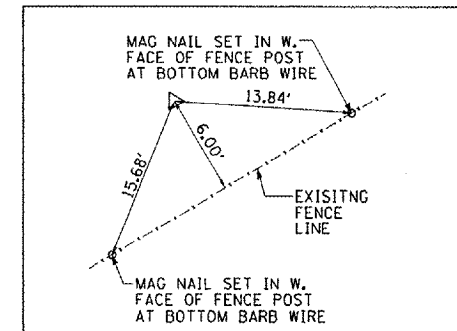
DATE 11/03

2 Rev. 3-2-07

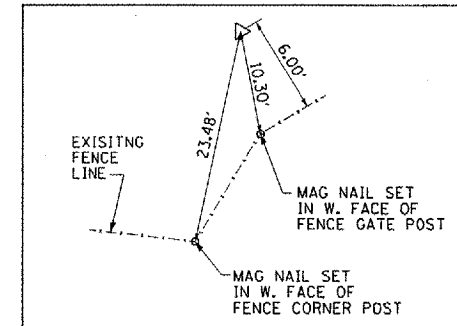
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	101B-1	SCHUYLER	15	6
STA. 38+00	TO STA. 50+50			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
			CONTRACT NO. 72310	

EXIST. CURVE 7  
 PI STA. = 42+37.21  
 $\Delta = 57^{\circ} 08' 00''$  (RT)  
 $D = 5^{\circ} 30' 00''$   
 $R = 1,041.74'$   
 $T = 567.19'$   
 $L = 1,038.79'$   
 $E = 144.40'$   
 $e = 7.0\%$   
 P.C. STA. = 36+70.02  
 P.T. STA. = 47+08.81

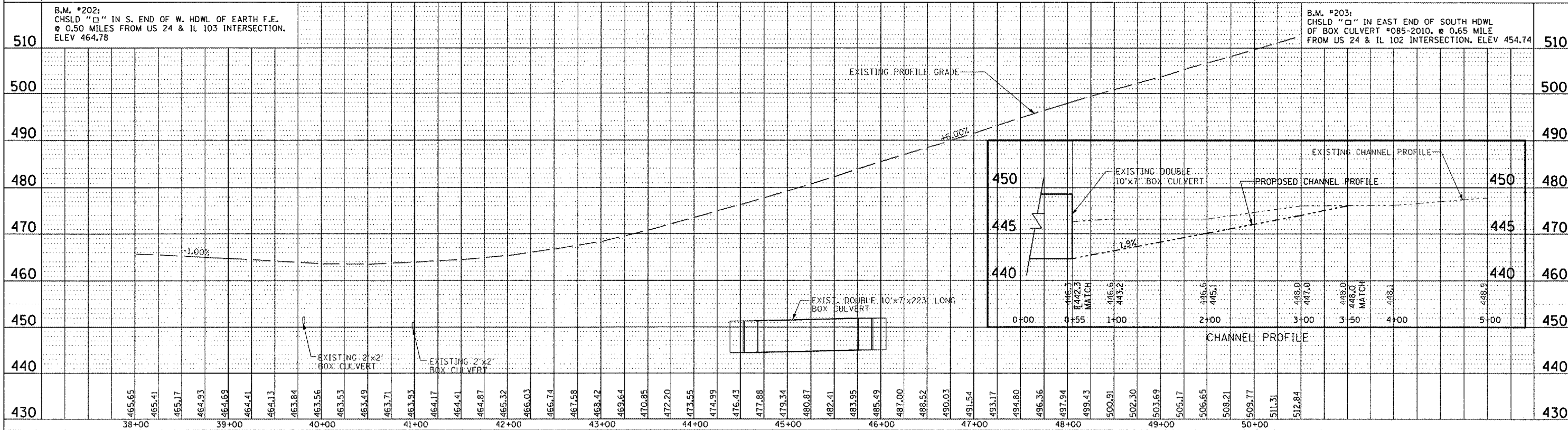
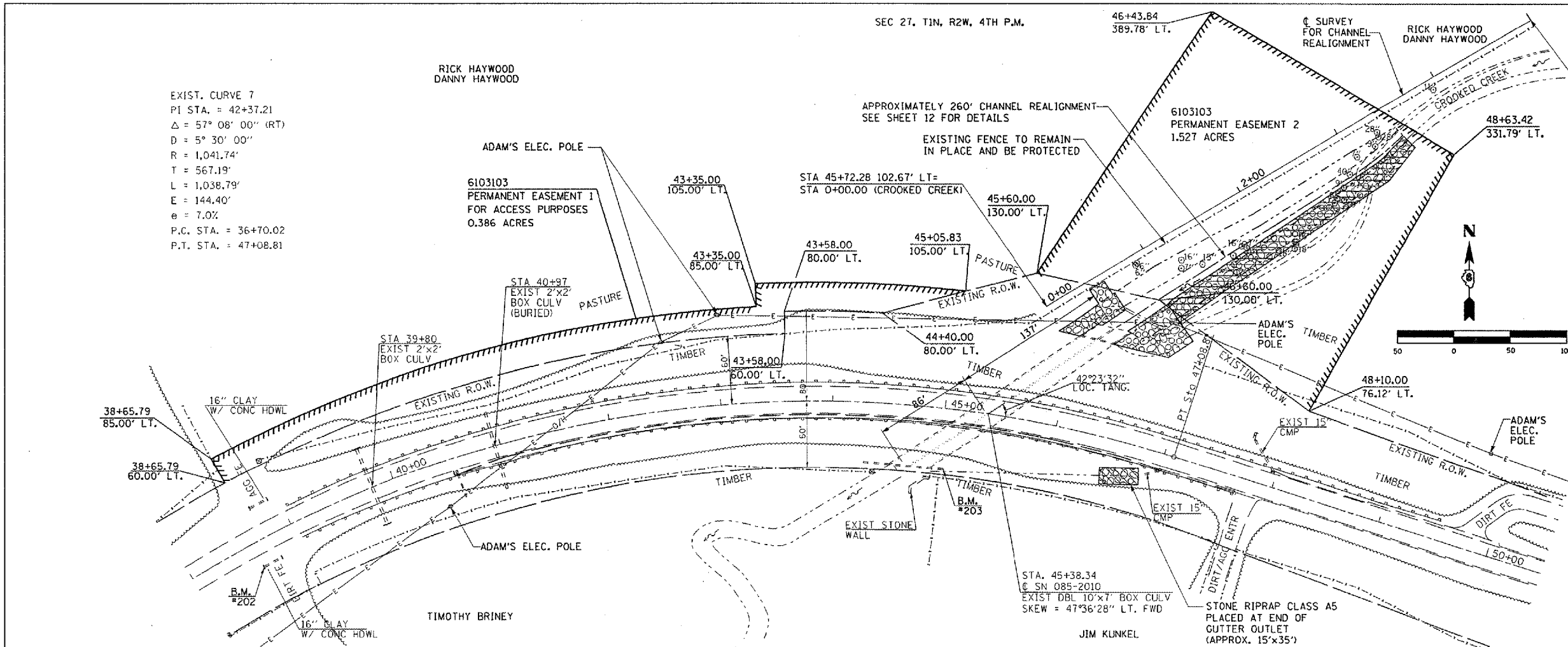
- NOTES
- SEE SHEET 7 FOR DOUBLE BOX CULVERT REPAIRS.
  - SEE SHEET 8 FOR TREE REMOVAL



STA 48+91.53 466.48' LT= STA 5+00 (CROOKED CREEK)  
 5/8" IP W/ BWC CAP SET



STA 45+72.28 102.67' LT= STA 0+00 (CROOKED CREEK)  
 5/8" IP W/ BWC CAP SET



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	101B-1	SCHUYLER	15	7
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 72310

**STORM WATER POLLUTION PREVENTION PLAN**

Route: FAP 612                      Marked: IL Route 103  
 Section: 101B-1                      Project No.: NA  
 County: Schuyler                      Contract No.:

This plan has been prepared to comply with the provision of the NPDES Permit Number ILR10 issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

*Cheryl Wood*                      12/14/06  
 (Signature)                      (Date)  
 Region Five Engineer  
 (Title)

Note: The above boxed in area will be filled out by IDOT - Construction after the award of the contract to obtain the required NPDES permit.

The following plan was established and included in these plans to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES. The Contractor shall abide to all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items, as shown in this plan and referenced by the legend, shall be placed by the Contractor at the beginning of construction. Other items shall be placed by the Contractor as directed by the Engineer on a case by case situation resulting from the Contractor's sequence of activities, time of the year, and expected weather conditions.

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore, reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary erosion control systems and temporary seeding. The Resident Engineer will determine if temporary erosion control systems shown in the plan can be deleted, the size of the proposed ditch checks, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer and as shown in special details and in Standard 280001 of the plans.

The special provisions Temporary Seeding, Temporary Erosion Control Seeding, and Temporary Erosion Control additionally supplement this plan.

All disturbed areas having high potential for erosion, as determined by the Engineer, shall be temporarily seeded or permanently seeded by October 1, 2004 and shall not be reopened until after the winter shutdown period.

**SITE DESCRIPTION**

Description of Construction Activity:

1. Construction consists of re-aligning channel, place erosion mitigation items at existing channel, fill existing channel and clean silt from existing double box culvert.

Description of Intended Sequence of Major Construction Activities Which Will Disturb Earth and Lead to Possible Erosion for Major Portions of the Construction Site:

1. Approximately 20 trees will be removed.
2. Retarder Spurs will be placed along the existing creek alignment at locations designated in plans.
3. Excavation will be completed along the new creek alignment.
4. Embankment will be completed along the existing creek alignment.
5. Remove silt and other debris from existing double box culvert.
6. Placement, maintenance, removal and proper clean-up of temporary erosion control, such as erosion control fence, hay or straw bale ditch checks, temporary seeding, etc.
7. Placement of permanent erosion control, such as riprap ditch lining, excelsior blanket, seeding, etc. and other miscellaneous items.

Area of Construction Site:

The total drainage area entering and including the construction site is estimated to be 2.2 acres in which 1.0 acres will be disturbed by excavation, grading or other activities.

Other Reports, Studies and Plans which Aid in the Development of this Storm Water Pollution Prevention Plan as Referenced Documents:

1. Site maps indicating drainage patterns and approximate slopes were contained in the project design report, USGS drainage maps, project drainage study, and project plan documents were all utilized for proposed placement of the temporary erosion control systems.

Drainage Tributaries Receiving Water from this Construction Site:

1. Crooked Creek Tributary of the LaMoine River

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>STORM WATER POLLUTION PREVENTION PLAN</b> <b>(SHEET 1 OF 5)</b>  DRAWN BY MLO CHECKED BY SJK DATE: 11/03

SWPPLAN

11/29/06 11:46:51 AM



**CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS**

Description of Stabilization Practices at the Beginning of Construction:

1. The area between the existing and proposed right-of-way/temporary easement boundaries and limits of the project will be improved and managed for the purposes of controlling erosion within the area, reducing water flow by temporary diversion and minimizing siltation into the construction zone, and establishing vegetative cover which will become permanent vegetation and act as an erosion barrier. Work at the beginning of construction will consist of the following:
  - (a) Areas of existing vegetation (woods and grasslands) outside the proposed construction slope limits shall be identified for preserving and shall be protected from mowing, brush cutting, tree removal and other activities which would be detrimental to their maintenance and development.
  - (b) Dead, diseased, or unsuitable vegetation within the site shall be removed as directed by the Engineer, along with required tree removal.
  - (c) As soon as reasonable access is available (such as trees cleared) to all locations where water drains away from the project, sediment basins, riprap ditch checks, temporary ditch checks, and/or erosion control fence shall be installed as called out in this plan and directed by the Engineer.
  - (d) Bare and sparsely vegetated ground in highly erodible areas as determined by the Engineer shall be temporarily seeded at the beginning of construction where no construction activities are immediately expected as stated in the special provision "Temporary Erosion Control Seeding".
  - (e) Immediately after tree removal is completed in certain areas which are highly erodible areas as determined by the Engineer, the areas shall be temporarily seeded where no construction activities are immediately expected as stated in the special provision "Temporary Erosion Control Seeding".
  - (f) At locations where a significant amount of water drains into the construction zone from outside areas (adjacent landowners), erosion control fence, temporary ditch checks, or riprap ditch checks will be utilized to locally divert water, reduce flow rates, and collect outside siltation inside the right-of-way line. Erosion control items will not be allowed to be installed to cause flooding to upstream private property which could cause crop damages or other undesirable conditions.
2. Establishment of these temporary erosion control measures will have additional benefits to the project. Desirable grass seed will become established in these areas and will spread seeds onto the construction site until permanent seeding/mowing and overseeding can be complete.
3. A third benefit of these filter areas is that they will begin to provide a screen and buffer. They will help protect the construction site from winds and excess sun and mitigate construction noise and dust.

Description of Stabilization Practices During Construction:

1. During roadway construction, areas outside the construction slope limits as outlined previously herein shall be protected from damaging effects of construction. The Contractor shall not use this area for staging (except as designated on the plans or directed by the Engineer), parking of vehicles or construction equipment, storage of materials, or other construction related activities.
  - (a) Within the construction zone, critical areas which have high flows of water as determined by the Engineer shall remain undisturbed until full scale construction is underway to prevent unnecessary soil erosion.
  - (b) Top soil and earth stockpiles shall be temporarily seeded if they are to remain unused for more than fourteen days.
  - (c) As the Contractor constructs a fill section, he/she shall follow the following steps as directed by the Engineer:
    - I. Place temporary erosion control systems at locations where water leaves and enters the construction zone
    - II. Temporary seed highly erodible areas outside the construction slope limits
  - (d) The Contractor shall immediately follow major earth moving operations with final grading equipment. After the major earth spread operation has moved to a new location, final grading shall be completed within fourteen days. If grading is not completed within fourteen days, all major earth moving operations will be stopped, as directed by the Engineer, until disturbed areas are final graded and seeded.
  - (e) Excavated areas and embankments shall be permanently seeded when final graded. If not, they shall be temporarily seeded as stated in the special provision "Temporary Erosion Control Seeding".

- (f) Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or pollution run-off in compliance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.
- (g) The Resident Engineer shall inspect the project daily during activities and weekly or after large rains during the winter shutdown period. The project shall additionally be inspected by the Construction Field Engineer on a bi-weekly basis to determine that erosion control efforts are in place and effective and if other control work is necessary.
- (h) Sediment collected during construction by the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer. The cost of this maintenance will be paid for in accordance with Article 109.04 of the Standard Specifications.
- (i) The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The costs of this removal shall be included in the unit bid price for the temporary erosion control system. No additional compensation will be allowed.

Description of Structural Practices After Final Grading:

1. Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas seeded and established with a proper stand.
2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up, and disturbed turf reseeded. Temporary riprap ditch checks will be allowed to remain in place where approved by the Engineer.

Maintenance after Construction:

1. Construction is complete after acceptance is received at the final inspection.
2. Areas will be inspected on a regular basis by IDOT District 6 Bureau of Operations.
3. Maintenance crews will perform regular mowings to aid in keeping weeds down and establishing a good roadside seed stand.
4. Maintenance crews will also aid in any ditch lining maintenance or in any drainage problems.
5. All maintenance will be conducted at times when weather conditions will not cause site damage.

DOCUMENTATION

1. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with Section 4.b, shall be made and retained as part of the plan for at least three years after the date of inspection. The report shall be signed in accordance with part VI.G of the general permit.
2. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incident of Noncompliance (ION)" report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI.G. of the general permit. The report of noncompliance shall be mailed to the following address:

Illinois Environmental Protection Agency  
 Division of Water Pollution Control  
 2200 Churchill Road, P.O. Box 19276  
 Springfield, IL 62794-9276  
 Attn: Compliance Assurance Section

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**STORM WATER POLLUTION PREVENTION PLAN**  
 (SHEET 2 OF 5)

DATE: 11/03  
 DRAWN BY MLO  
 CHECKED BY SJK

SWPPLAN



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	101B-1	SCHUYLER	15	9
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
<b>CONTRACT NO. 72310</b>				

**CONTRACTOR CERTIFICATION STATEMENT**

This certification statement is part of the Storm Water Pollution Plan for the project described below in accordance with NPDES Permit No. ILR10 \_\_\_\_\_, Issued by the Illinois Environmental Protection Agency on \_\_\_\_\_.

Route: FAP 612                      Marked: IL Route 103  
Section: 101B-1                      Project No.: NA  
County: Schuyler                      Contract No.: \_\_\_\_\_

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Signature \_\_\_\_\_ Date \_\_\_\_\_  
Title \_\_\_\_\_  
Name of Firm \_\_\_\_\_  
Street Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone Number \_\_\_\_\_

Note: The above boxed in area shall be filled out by the Contractor after the award of the contract to obtain the required NPDES Permit from IEPA. This is a requirement for this contract.

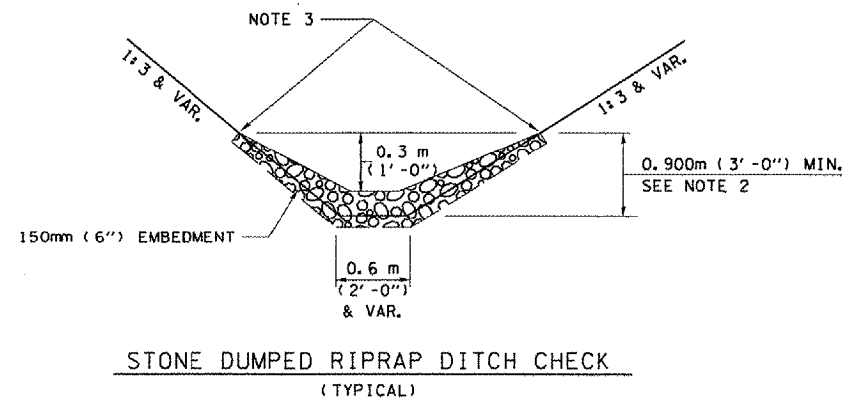
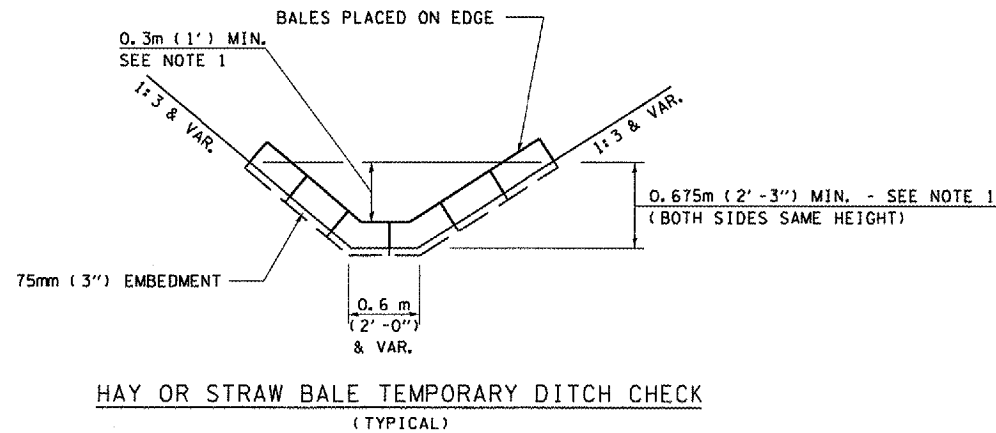
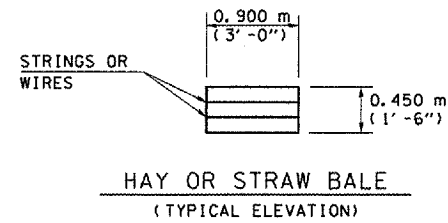
**EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION (BDE)**

When the Engineer is notified or determines an erosion and/or sediment control deficiency(s) exists, he/she will direct the Contractor in writing to correct the deficiency within 24 hours. The deficiency may be any lack of repair, maintenance, or implementation of erosion and/or sediment control devices included in the contract, or any failure to comply with the conditions of the National Pollutant Discharge Elimination System (NPDES) Storm Water Permit for Construction Site Activities.

If the contractor fails to correct the deficiency(s) within 24 hours, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency exists. The time period will begin with the initial written notification to the Contractor and end with the Engineer's acceptance of the corrected work. The per calendar day deduction will be either \$1000.00 or 0.05 percent of the awarded contract value, whichever is greater.

If the contractor fails to respond, the Engineer may correct the deficiencies and deduct the cost from monies due or which may become due the Contractor. This corrective action shall in no way relieve the contractor of his/her contractual requirements or responsibilities.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>STORM WATER POLLUTION PREVENTION PLAN (SHEET 3 OF 5)</b>
DATE: 11/03		DRAWN BY MLO CHECKED BY SJK



NOTE 1: BALES SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 0.3m (1') OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE BALES.

NOTE 2: RIPRAP SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 0.3m (1') OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE RIPRAP.

NOTE 3: ENDS SHALL BE TIED INTO SLOPES.

**LEGEND FOR STORM WATER POLLUTION PREVENTION PLAN**

ITEM	SYMBOL
AGGREGATE (EROSION CONTROL) [STONE DUMPED RIPRAP DITCH CHECKS: Height = 0.6m (2') ]	
TEMPORARY DITCH CHECKS (HAY OR STRAW BALE DITCH CHECKS OR APPROVED SUBSTITUTION)	
INLET PIPE PROTECTION (I&PP) (HAY OR STRAW BALE DITCH CHECKS OR APPROVED SUBSTITUTION)	
EROSION CONTROL FENCE OR PERIMETER EROSION BARRIER	
EARTH EXCAVATION FOR EROSION CONTROL (SEDIMENT BASINS)	
PRESERVE EXISTING TREES, WOODLANDS, AND UNDERSTORY (OUTSIDE CONSTRUCTION LIMITS)	
ITEM PLACED AT BEGINNING OF CONSTRUCTION (Requirement)	*  *
ITEM PLACED AS DIRECTED BY ENGINEER (When required by situation)	
DIRECTION OF OVERLAND FLOW	
STONE RIPRAP, CLASS A4	
STONE RIPRAP, CLASS A5	
EROSION CONTROL BLANKET	

**GENERAL NOTES:**

All items shall be constructed as shown on this sheet, on Standard 280001, and as directed by the Engineer.

The symbology on the STORM WATER POLLUTION PREVENTION PLAN sheets does not represent the size or quantity of bales, for number of bales refer to details and notes shown on this sheet and/or as directed by the Engineer.

REVISIONS	
NAME	DATE
CAD Symbol	2AUG99

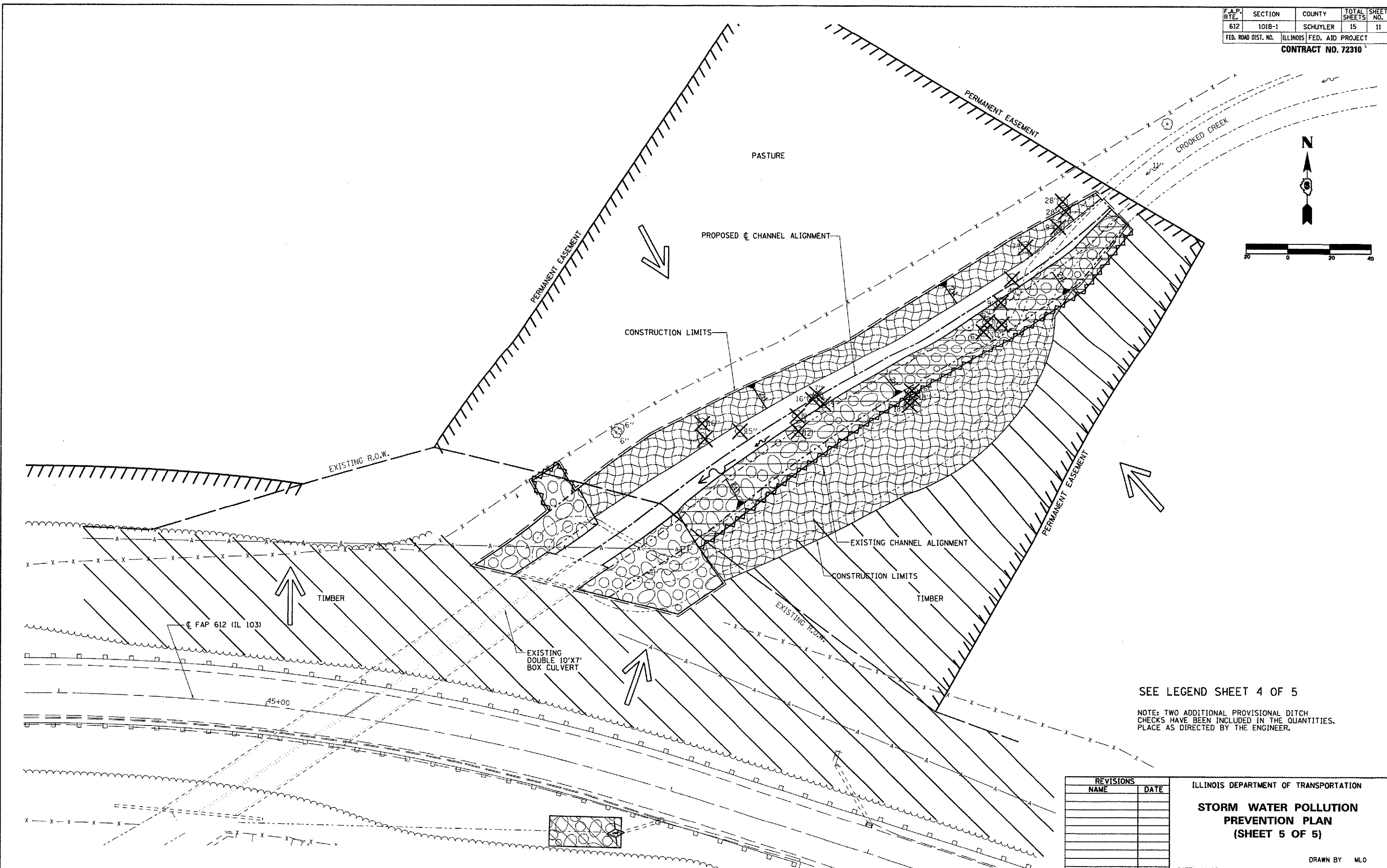
ILLINOIS DEPARTMENT OF TRANSPORTATION

**STORM WATER POLLUTION  
PREVENTION PLAN  
(SHEET 4 of 5)**

DRAWN BY MLO  
CHECKED BY SJK

DATE: 11/03

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	101B-1	SCHUYLER	15	11
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 72310				

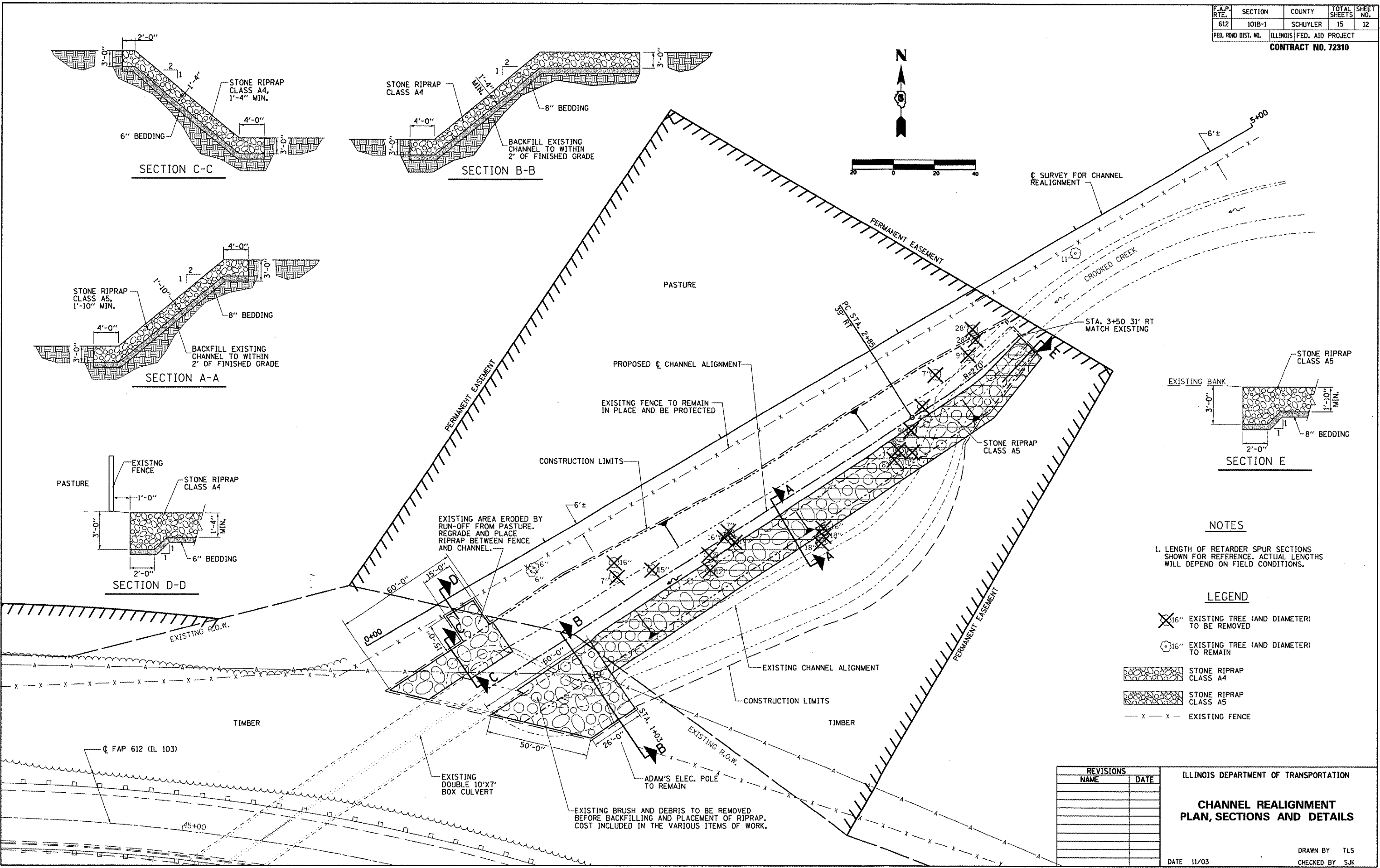


SEE LEGEND SHEET 4 OF 5  
 NOTE: TWO ADDITIONAL PROVISIONAL DITCH CHECKS HAVE BEEN INCLUDED IN THE QUANTITIES. PLACE AS DIRECTED BY THE ENGINEER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**STORM WATER POLLUTION PREVENTION PLAN**  
**(SHEET 5 OF 5)**  
 DATE 11/03  
 DRAWN BY MLO  
 CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	101B-1	SCHUYLER	15	12
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
<b>CONTRACT NO. 72310</b>				



**NOTES**

- LENGTH OF RETARDER SPUR SECTIONS SHOWN FOR REFERENCE. ACTUAL LENGTHS WILL DEPEND ON FIELD CONDITIONS.

**LEGEND**

- 16" EXISTING TREE (AND DIAMETER) TO BE REMOVED
- 16" EXISTING TREE (AND DIAMETER) TO REMAIN
- STONE RIPRAP CLASS A4
- STONE RIPRAP CLASS A5
- EXISTING FENCE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CHANNEL REALIGNMENT  
 PLAN, SECTIONS AND DETAILS**  
 DATE 11/03  
 DRAWN BY TJS  
 CHECKED BY SJK

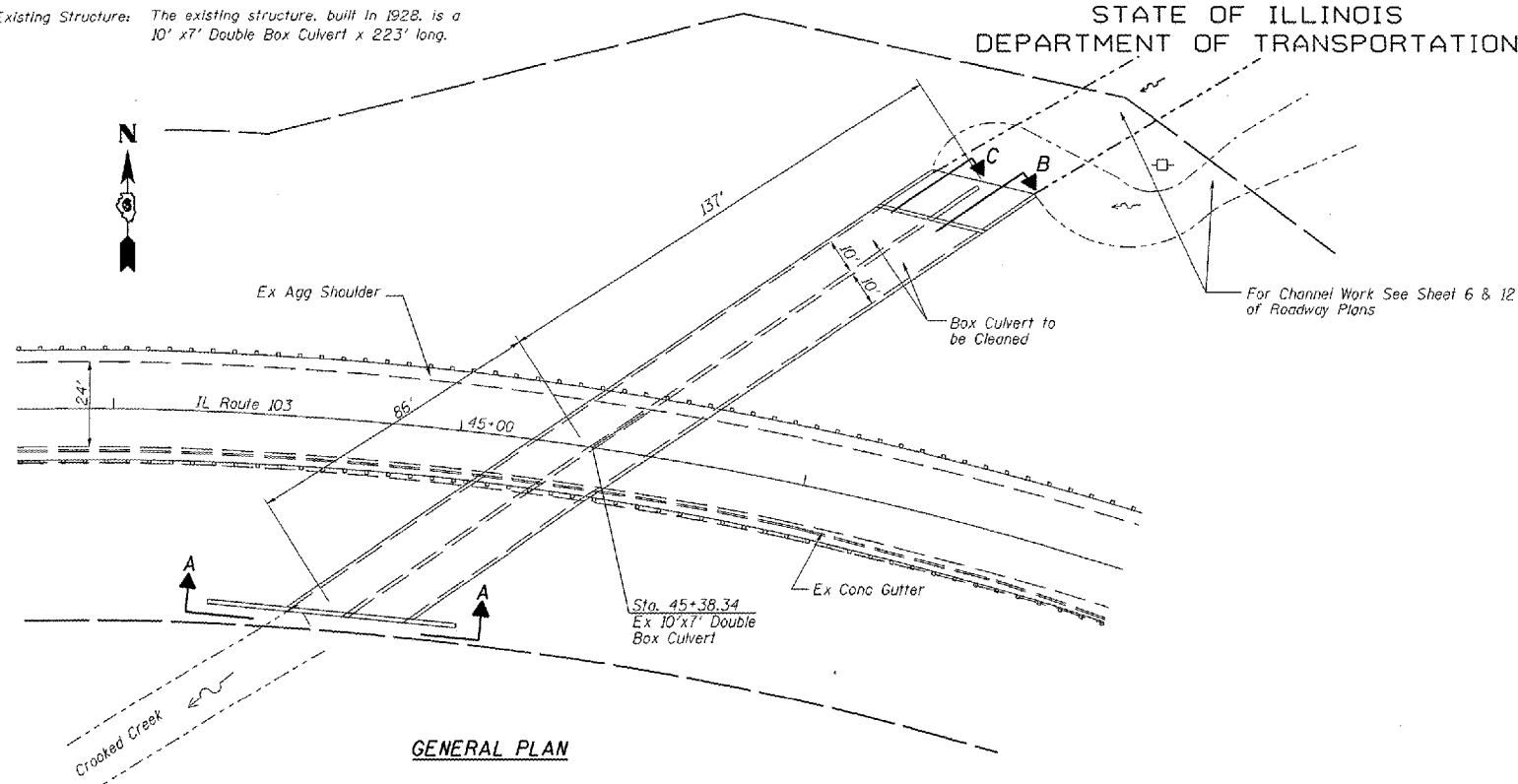
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	101B-1	SCHUYLER	15	13
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 1  
OF 1 SHEETS

CONTRACT NO. 72310

Existing Structure: The existing structure, built in 1928, is a 10' x 7' Double Box Culvert x 223' long.



GENERAL PLAN

GENERAL NOTES

This work shall be constructed in accordance with the plans, the "Standard Specifications for Road and Bridge Construction" adopted Jan. 1, 2007, the "Supplemental Specifications and Recurring Special Provisions" adopted Jan. 1, 2007, and the special provisions included in the proposal.

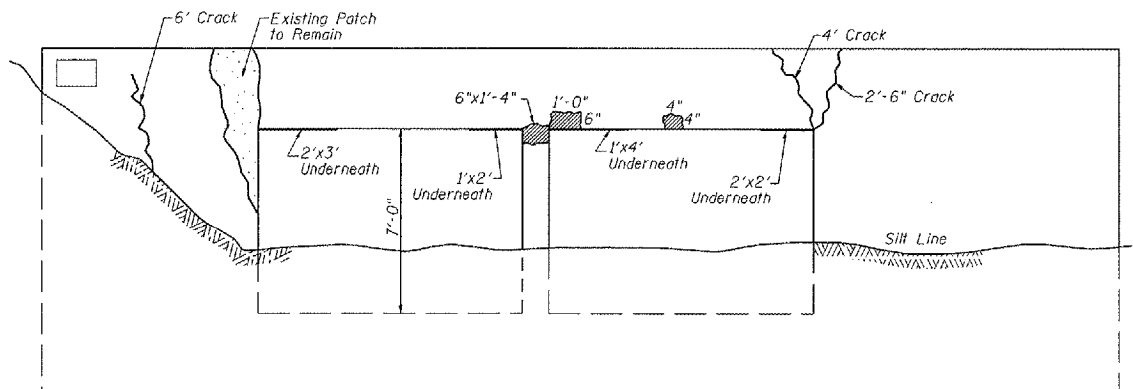
Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.

Repair quantities are based on survey done in 2004.

TOTAL BILL OF MATERIAL

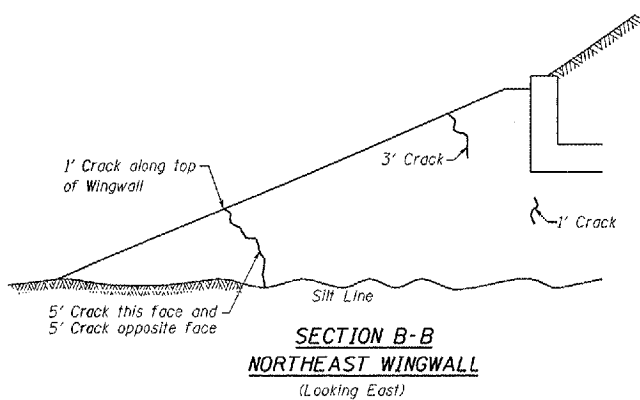
PAY ITEM	ITEM	UNIT	TOTAL
55000200	Epoxy Crack Injection	FOOT	30
X0325305	Structural Repair of Concrete (Depth Equal to or less than 5")	SO. FT.	18
20005300	Box Culvert to be Cleaned	EACH	2



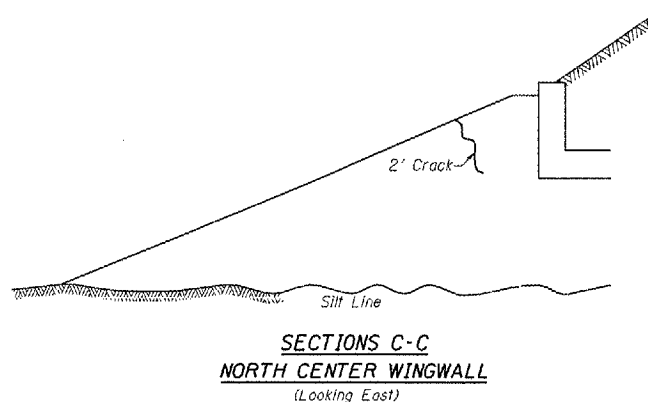
SECTION A-A  
SOUTH HEADWALL ELEVATION  
(Looking North)

LEGEND

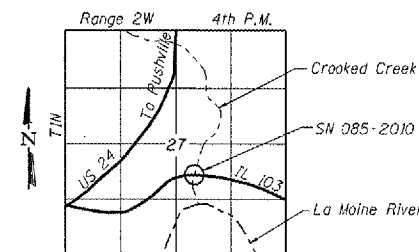
- Structural Repair of Concrete (Length x Width given)
- Epoxy Crack Injection (Length Given)



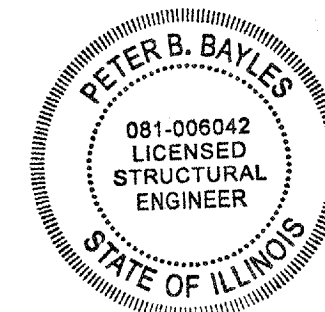
SECTION B-B  
NORTHEAST WINGWALL  
(Looking East)



SECTIONS C-C  
NORTH CENTER WINGWALL  
(Looking East)



LOCATION SKETCH



*Pete B. Bayles* 1/22/07

Pete B. Bayles, P.E., S.E. Date  
Structural Engineer License No. 081-006042  
Expiration Date: 11/30/2008

Note: This seal only extends to the inspections and subsequent plan prepared in October 2004. I Pete Bayles can not attest to any damage or changes after October 30, 2004.

CULVERT REPAIR PLANS  
IL ROUTE 103 OVER  
CROOKED CREEK  
SECTION 101B-1  
SCHUYLER COUNTY  
SN 085-2010

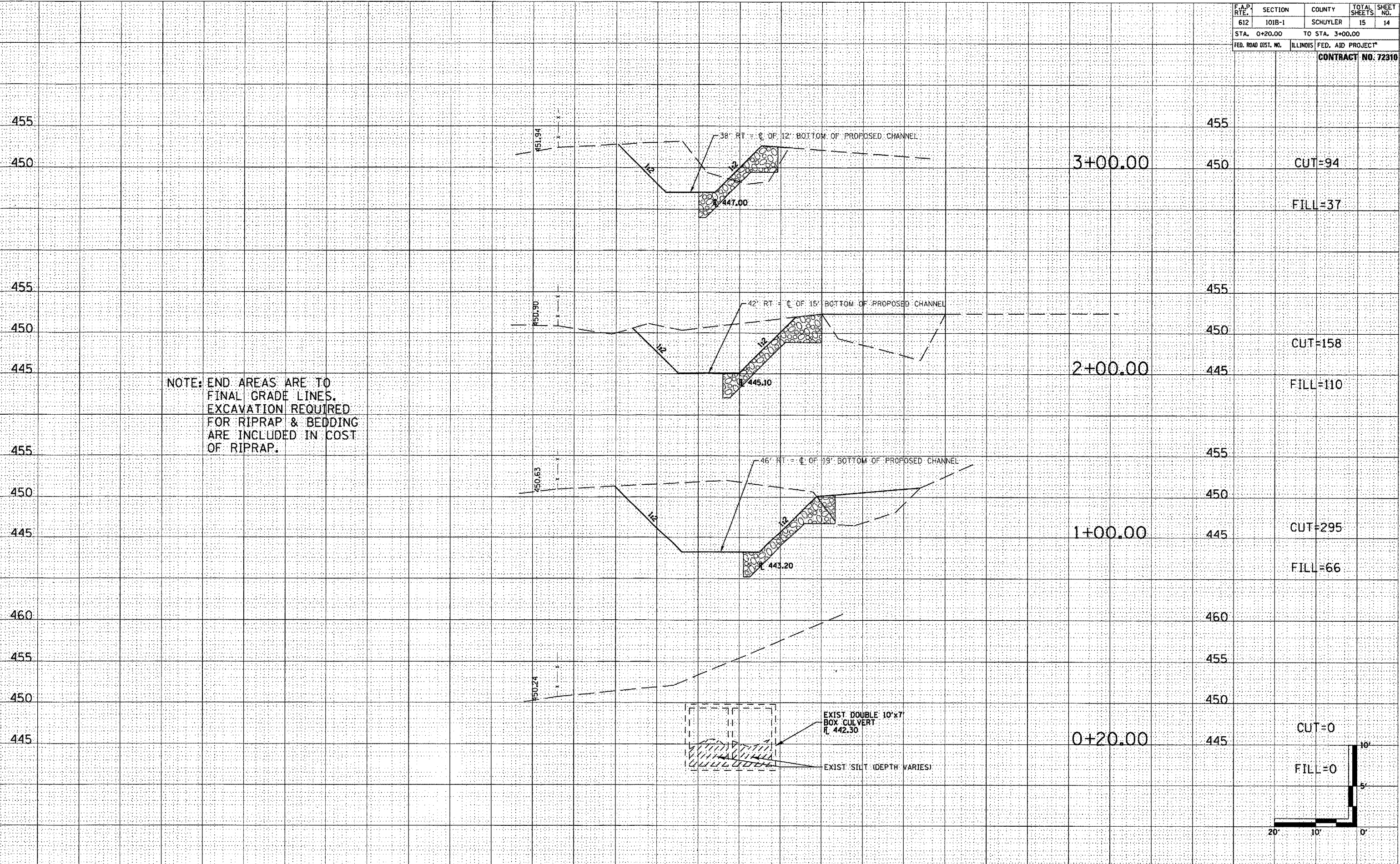


110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	101B-1	SCHUYLER	15	14
STA. 0+20.00		TO STA. 3+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT*		
<b>CONTRACT NO. 72310</b>				

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	



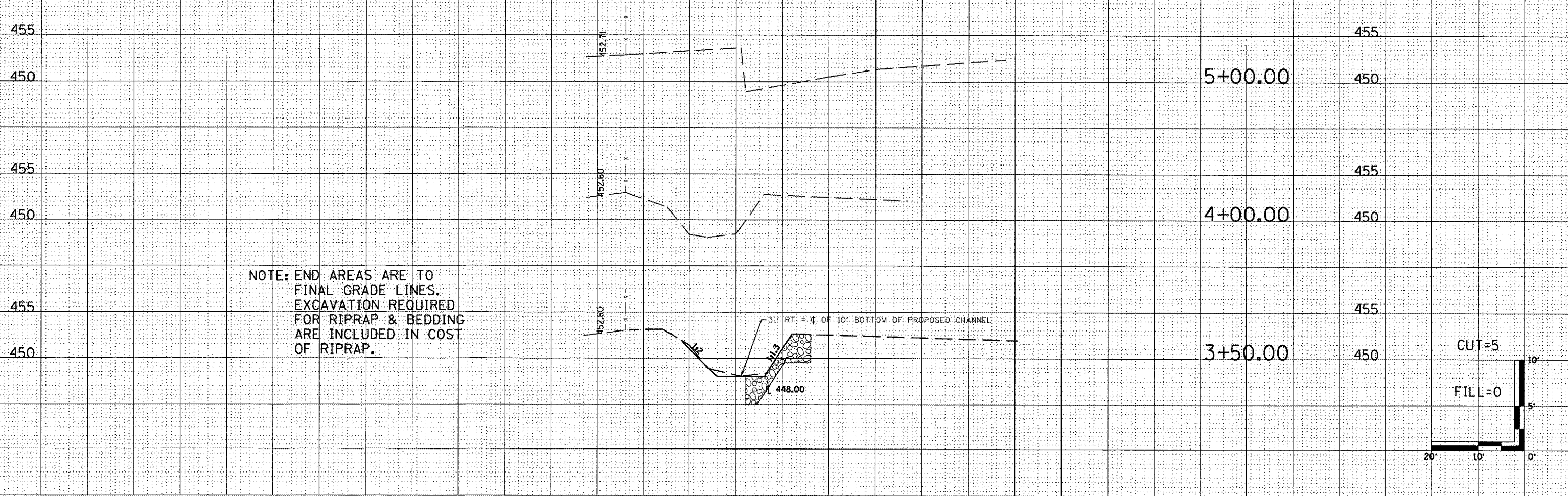
NOTE: END AREAS ARE TO FINAL GRADE LINES. EXCAVATION REQUIRED FOR RIPRAP & BEDDING ARE INCLUDED IN COST OF RIPRAP.

110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	101B-1	SCHUYLER	15	15
STA. 3+50.00		TO STA. 5+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
<b>CONTRACT NO. 72310</b>				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY NOTE BOOK NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY NOTE BOOK NO.	



110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

CHANNEL REALIGNMENT