

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	(06-2B-1)I	BUREAU	14	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

FAI ROUTE 180 (I-180)
SECTION (06-2B-1)I

BUREAU COUNTY
C-93-068-07
SLOPEWALL REPAIR

INDEX OF SHEETS

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8. PIPE CULVERT DETAILS
- 9 - 13. SLOPEWALL DETAILS SOUTH ABUT.
14. SLOPEWALL DETAILS NORTH ABUT.

STANDARDS

- | | |
|-----------|---|
| 000001-04 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 542301-01 | PRECAST REINFORCED CONCRETE FLARED END SECTION |
| 542546 | FLUSH INLET BOX FOR MEDIAN |
| 665001-01 | WOVEN WIRE FENCE |
| 701101-01 | OFF-ROAD OPERATIONS MULTILANE, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE |
| 701106-01 | OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5 m (15') AWAY |
| 701400-02 | APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY |
| 701406-04 | LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY |
| 702001-06 | TRAFFIC CONTROL DEVICES |

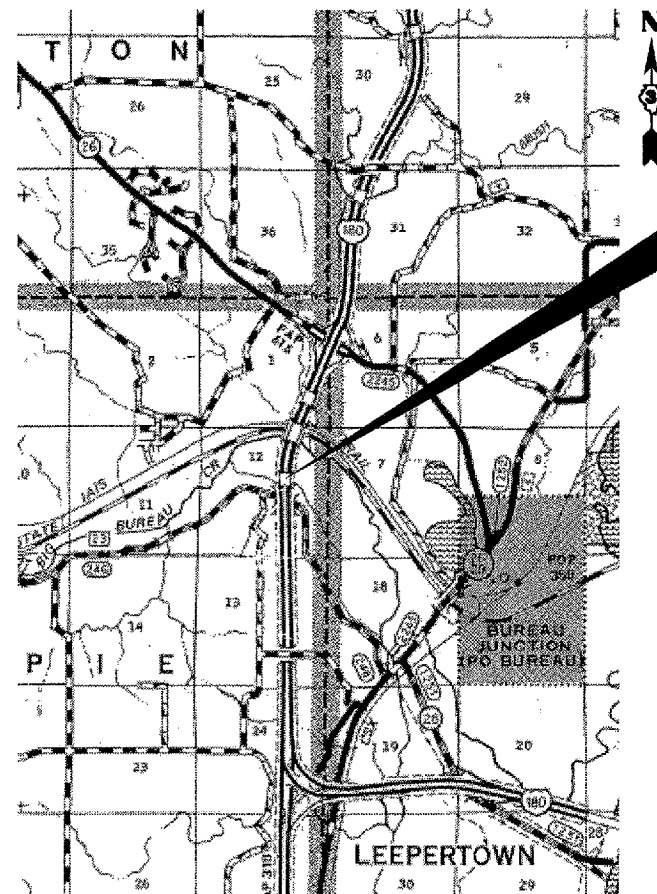
MICROFILMED _____
REEL NUMBER _____
AWARDED _____
RESIDENT ENGINEER _____
AS BUILT CHANGES WERE MADE
ON THE FOLLOWING SHEETS _____

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

DISTRICT 3 NO. (815) 434-6131

PROJECT ENGINEER: JOE KANNEL
UNIT CHIEF: RON WOODSHANK
TOWNSHIP: ARISPIE

CONTRACT NO. 66718

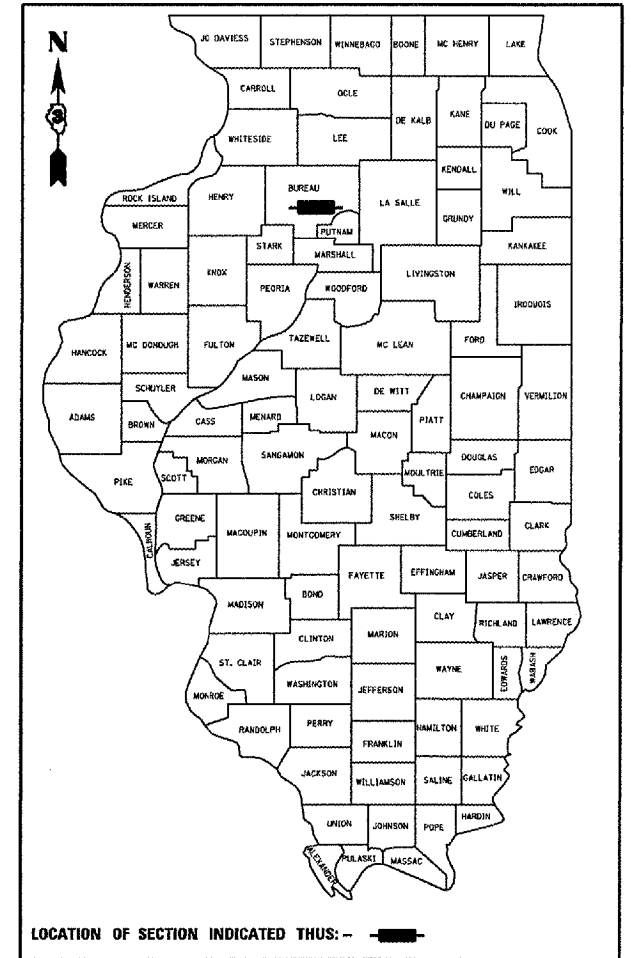


**LOCATION MAP
NOT TO SCALE
POINT LOCATION**

PROJECT LOCATION

S.N. 006-0052 (NB)
1.2 MILES SOUTH OF IL ROUTE 26

D-93-002-07



FUNCTIONAL CLASSIFICATION
URBAN - OTHER PRINCIPAL ARTERIAL
F.A.I. ROUTE 180 (I-180)
2005 ADT = 3350
P.V. = 82.7% M.U. = 11.9% S.U. = 5.4%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 5/22 20 07

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 29, 2007
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

June 21, 2007
[Signature]
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

Date: April 5, 2007
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	(06-2B-1)I	BUREAU	14	2

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING ROADWAY OR STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND TO MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT BID FOR THE WORK.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE "JULIE" NUMBER IS 1-800-892-0123. A MINIMUM OF FORTY-EIGHT (48) HOURS ADVANCE NOTICE IS REQUIRED.

THE COST OF ANY SAW CUTS MADE TO COMPLETE THE WORK AS DESCRIBED IN PLAN DETAILS, UNLESS OTHERWISE NOTED SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED WITH THE VARIOUS PAY REMOVAL PAY ITEMS INVOLVED.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

RIPRAP	1.5	TONS / CU YD
--------	-----	--------------

DATE:

5-21-07

PREPARED BY:

Rich Paul
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY:

[Signature]
DISTRICT CONSTRUCTION ENGINEER

[Signature]
DISTRICT MATERIALS ENGINEER

[Signature]
DISTRICT OPERATIONS ENGINEER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL NOTES
FAI ROUTE 180 SECTION (06-2B-1)I
BUREAU COUNTY
STA. 521+42
S.N. 006-0052 NB

Date: April 5, 2007
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	(06-2B-1)I	BUREAU	14	3

SUMMARY OF QUANTITIES

CONSTRUCTION CODE TYPE: SFTY-2A

RURAL
100% STATE
TOTAL
QUANTITY

CODE NO.	ITEM	UNIT	QUANTITY
25000210	SEEDING, CLASS 2A	ACRE	0.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45
25101005	HEAVY DUTY EXCELSIOR BLANKET	SQ YD	300
28000400	PERIMETER EROSION BARRIER	FOOT	100
28100107	STONE RIPRAP, CLASS A4	SQ YD	584
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	23
28200200	FILTER FABRIC	SQ YD	584
50104650	SLOPE WALL REMOVAL	SQ YD	613
50105220	PIPE CULVERT REMOVAL	FOOT	100

REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
FAI ROUTE 180 SECTION (06-2B-1)I
BUREAU COUNTY
STA. 521+42
S.N. 006-0052 NB

Date: April 5, 2007
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	(06-2B-1)	BUREAU	14	4

SUMMARY OF QUANTITIES

CONSTRUCTION CODE TYPE: SFTY-2A

RURAL
100% STATE
TOTAL
QUANTITY

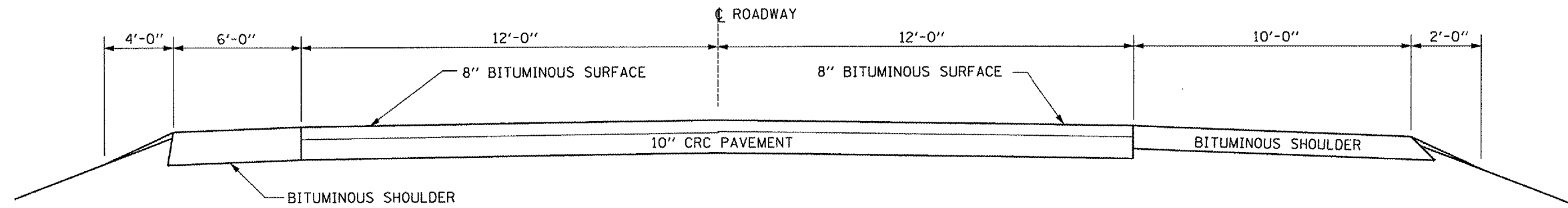
CODE NO.	ITEM	UNIT	QUANTITY
51100100	SLOPE WALL 4"	SQ YD	29
54200427	PIPE CULVERTS, TYPE 1 RCCP 12"	FOOT	48
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	1
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	333
66500105	WOVEN WIRE FENCE, 4'	FOOT	180
66502300	WOVEN WIRE FENCE REMOVAL	FOOT	180
67100100	MOBILIZATION	L SUM	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1
X6050699	REMOVE INLET BOX	EACH	1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
FAI ROUTE 180 SECTION (06-2B-1)
BUREAU COUNTY
STA. 521+42
S.N. 006-0052 NB

Date: April 5, 2007
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	(06-2B-1)I	BUREAU	14	5



TYPICAL SECTION 3
FAI 180 (NORTH - SOUTH LEG)

Date: April 5, 2007
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NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL ROADWAY SECTION
FAI ROUTE 180 SECTION (06-2B-1)I
BUREAU COUNTY
STA. 521+42
S.N. 006-0052 NB

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	(06-2B-1)	BUREAU	14	6

DRAINAGE SCHEDULE

LOCATION	PIPE CULVERT REMOVAL	REMOVE INLET BOX	PIPE CULVERTS, TYPE 1 RCCP 12"	PRECAST REINFORCED CONCRETE FLARED END SECTION	FLUSH INLET BOX FOR MEDIAN STANDARD 542546
	FOOT	EACH	FOOT	EACH	EACH
NORTH ABUTMENT					
SOUTH ABUTMENT	100	1	48	1	1
TOTAL	100	1	48	1	1

SLOPEWALL SCHEDULE

LOCATION	SLOPE WALL REMOVAL	SLOPE WALL 4"	STONE RIPRAP, CLASS A4	STONE DUMPED RIPRAP CLASS, A4	FILTER FABRIC	CONTROLLED LOW-STRENGTH MATERIAL
	SQ YD	SQ YD	SQ YD	TON	SQ YD	CU YD
NORTH ABUTMENT	29	29				33
SOUTH ABUTMENT	584		584	23	584	300
TOTAL	613	29	584	23	584	333

FENCE SCHEDULE

LOCATION	WOVEN WIRE FENCE REMOVAL	WOVEN WIRE FENCE 4'
	FOOT	FOOT
NORTH ABUTMENT	90	90
SOUTH ABUTMENT	90	90
TOTAL	180	180

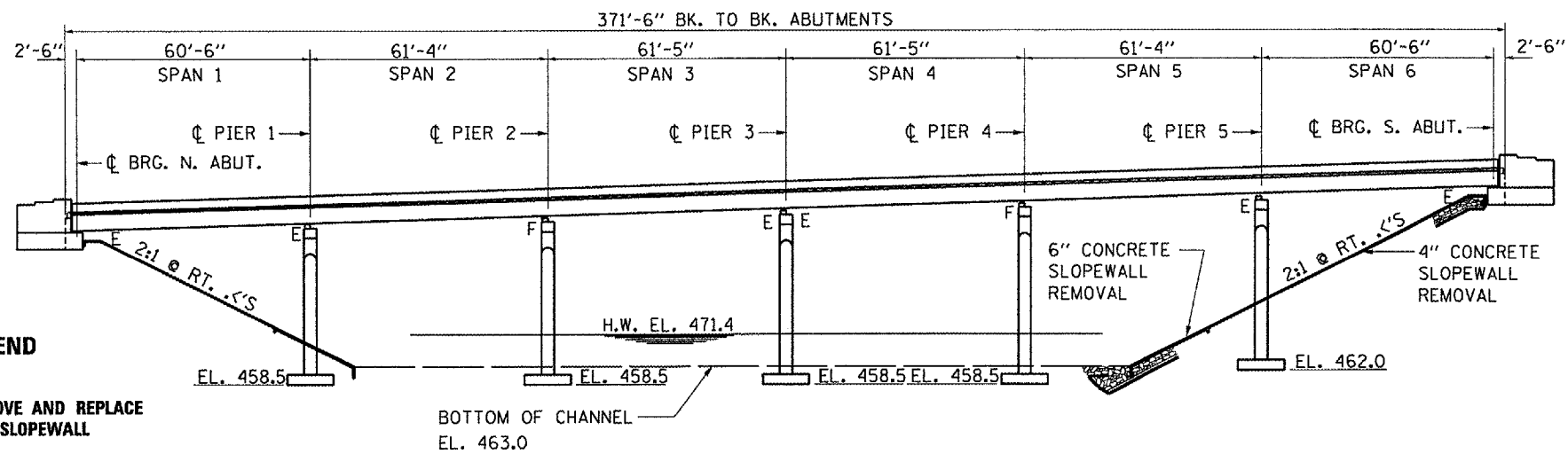
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULES
 FAI ROUTE 180 SECTION (06-2B-1)
 BUREAU COUNTY
 STA. 521+42
 S.N. 006-0052 NB

Date: April 5, 2007
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	(06-2B-1)I	BUREAU	14	7

BM #1 SOUTHWEST CORNER PARAPET WALL EL. 100.00



LEGEND

- REMOVE AND REPLACE PCC SLOPEWALL
- SLOPEWALL REMOVAL STONE RIPRAP CLASS A4
- EXISTING BRUSH/OVERGROWTH
- RIPRAP
- EXISTING SAPLINGS
- PIPE CULVERT
- MEDIAN INLET

ELEVATION
LOOKING EAST

GENERAL NOTES

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.

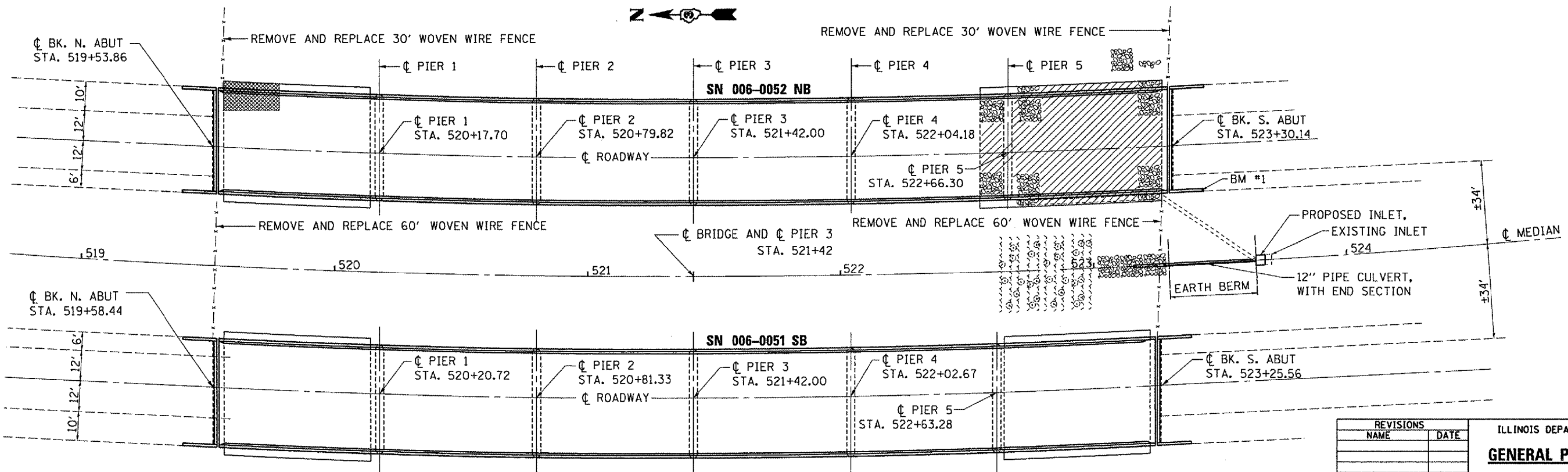
AFTER THE SLOPEWALL REMOVAL OPERATIONS HAVE BEEN COMPLETED, THE ENGINEER SHALL INSPECT AND VERIFY IF EXISTING VOIDS ARE PRESENT AND ARE UNDERMINING THE ABUTMENT. IF THE ENGINEER DETERMINES THAT VOIDS ARE PRESENT, THE CONTRACTOR SHALL COMPLETELY FILL THE VOIDS WITH "CONTROLLED LOW-STRENGTH MATERIAL" PRIOR TO EXCAVATING OR PLACING RIPRAP.

THE FINISHED GRADE AND SLOPE OF THE RIPRAP SHALL MATCH THE EXISTING GRADE AND SLOPE OF THE CONCRETE SLOPEWALL.

THE CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIAL PRIOR TO PLACING THE RIPRAP.

SUITABLE EXCAVATED MATERIAL, AS APPROVED BY THE ENGINEER, MAY BE PLACED IN THE LOWEST EXISTING ELEVATION WITHIN THE SLOPEWALL REMOVAL AREA.

EXISTING RIPRAP ADJACENT TO THE CONCRETE SLOPEWALL SHALL BE REMOVED. COST INCURRED BY THIS REMOVAL OPERATION SHALL BE INCLUDED IN THE COST OF THE SLOPEWALL REMOVAL.



PLAN

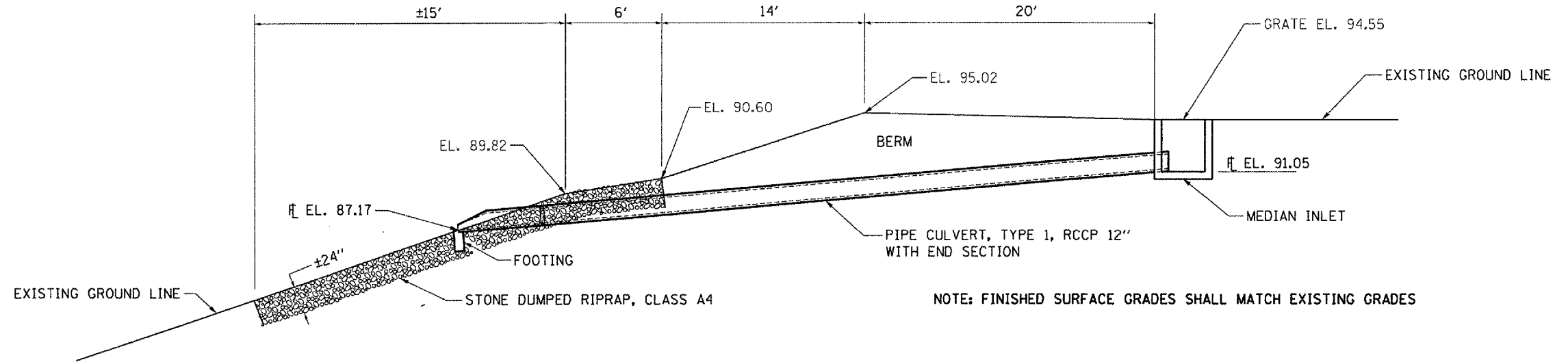
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN AND ELEVATION
FAI ROUTE 180 SECTION (06-2B-1)I
BUREAU COUNTY
STA. 521+42
S.N. 006-0052 NB

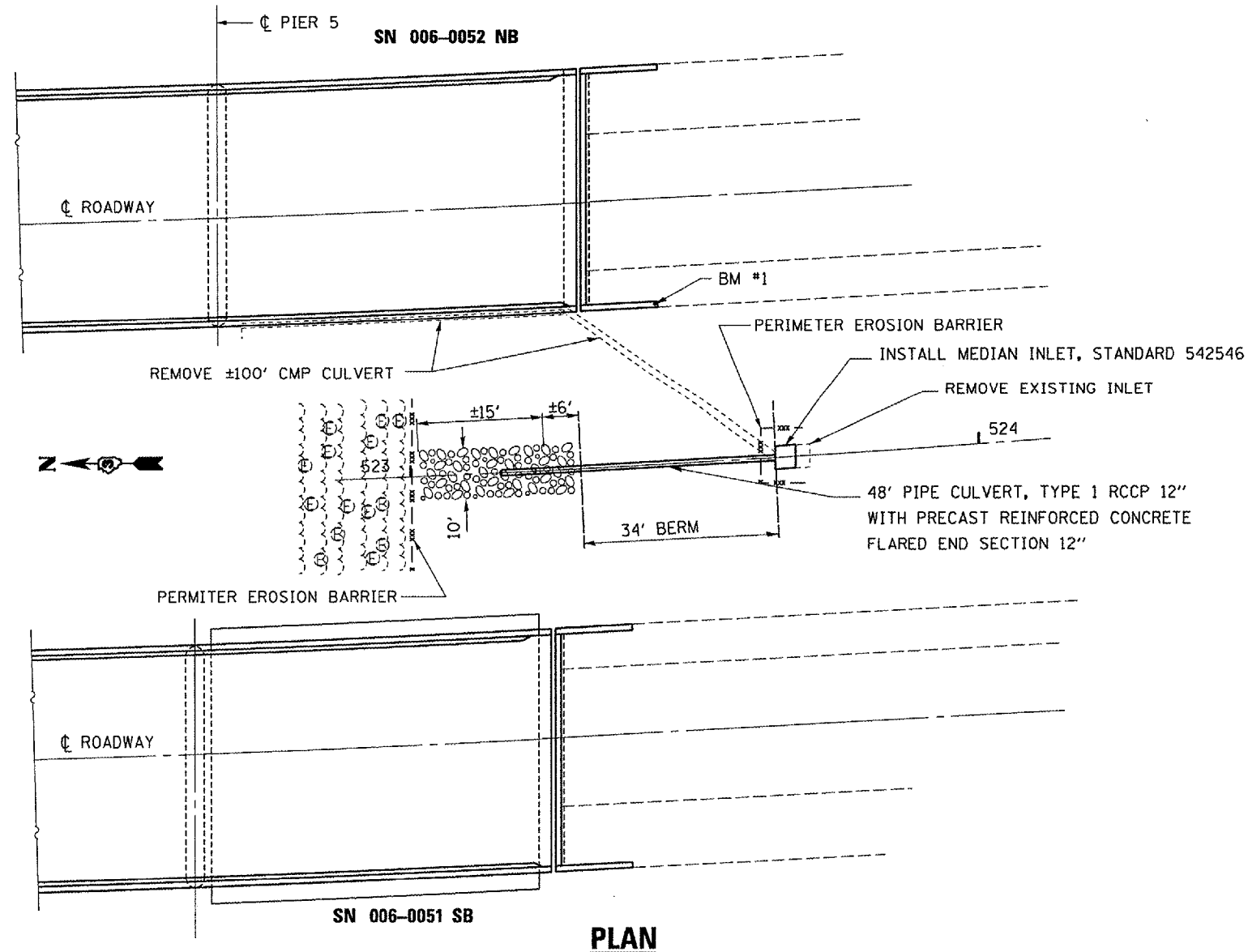
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET
180	(06-2B-1)I	BUREAU	14	8

BM #1 SOUTHWEST CORNER PARAPET WALL EL. 100.00



ELEVATION



GENERAL NOTES

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.

FINISHED SURFACE GRADES SHALL BE RESTORED TO ORIGINAL CONDITION WHEREVER PRACTICAL. THE ENGINEER MAY ADJUST SLOPES AND GRADES TO FIT EXISTING GROUND CONDITIONS AT TIME OF CONSTRUCTION OPERATIONS.

THE FINISHED GRADE AND SLOPE OF THE RIPRAP SHALL MATCH THE EXISTING GRADE AND SLOPE OF THE EXISTING SLOPE.

THE CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIAL PRIOR TO PLACING THE RIPRAP.

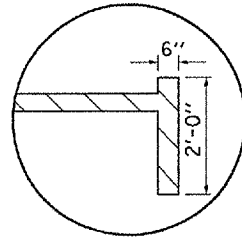
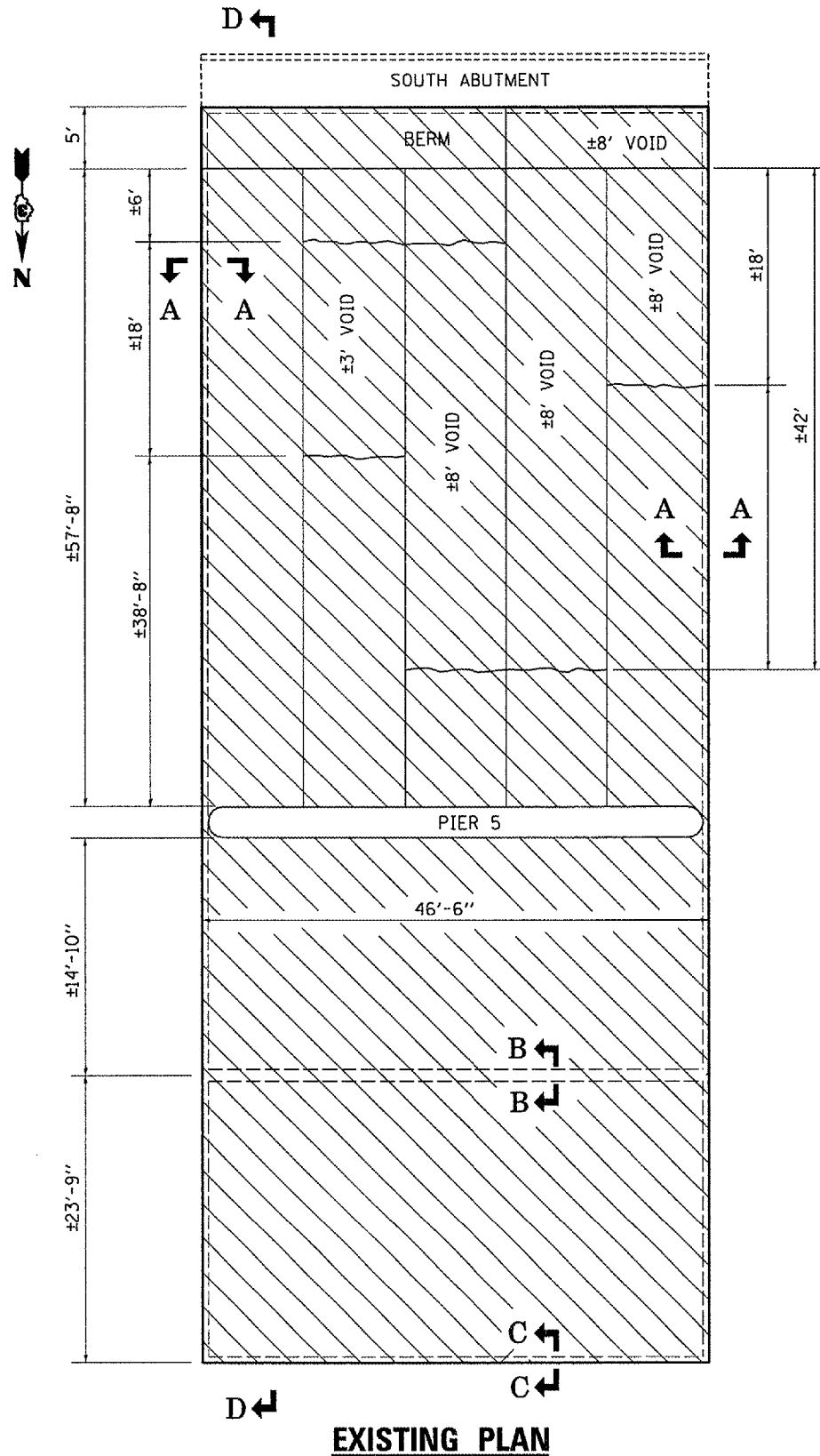
SUITABLE EXCAVATED MATERIAL, FROM THE SLOPE WALL REMOVAL OPERATIONS AS APPROVED BY THE ENGINEER, MAY BE USED TO BACKFILL THE TRENCHES AFTER THE CULVERT REMOVAL AND PLACEMENT OPERATIONS HAVE BEEN COMPLETED

REVISIONS	
NAME	DATE

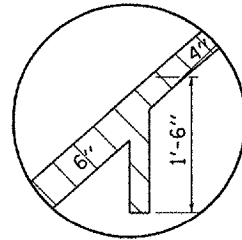
ILLINOIS DEPARTMENT OF TRANSPORTATION
PIPE CULVERT DETAILS AT S. ABUT.
FAI ROUTE 180 SECTION (06-2B-1)I
BUREAU COUNTY
STA. 521 + 42
S.N. 006-0052 NB

Date: April 5, 2007
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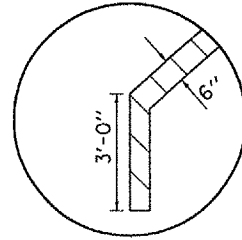
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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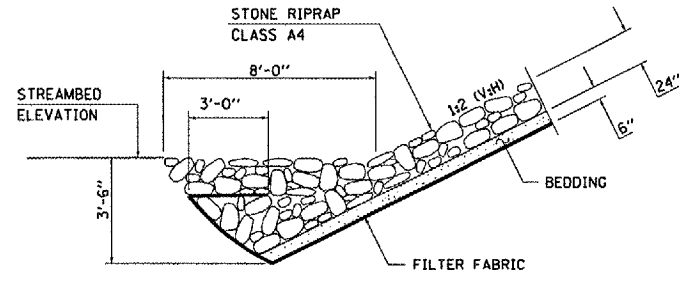
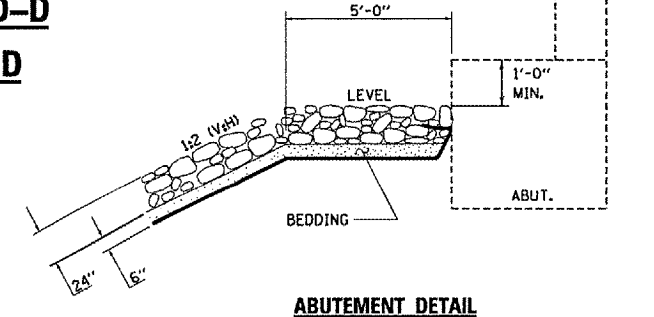
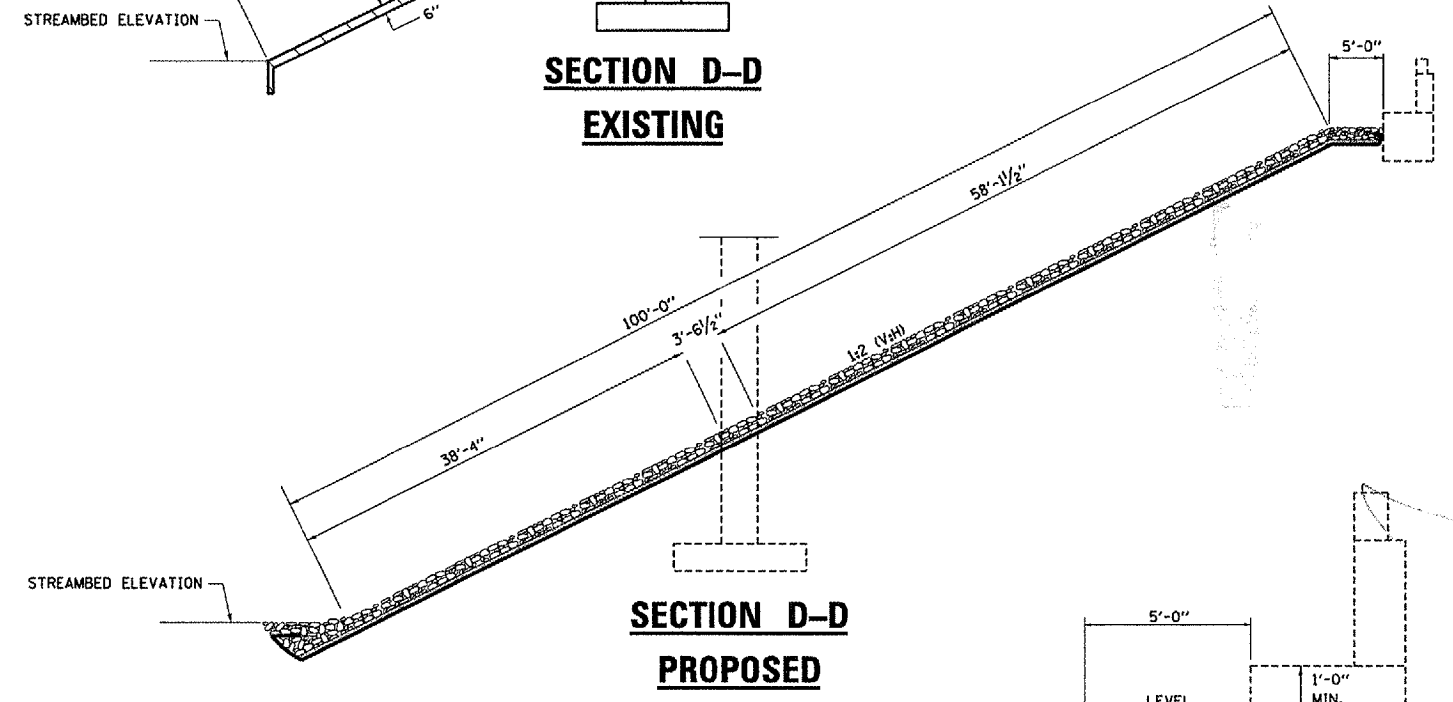
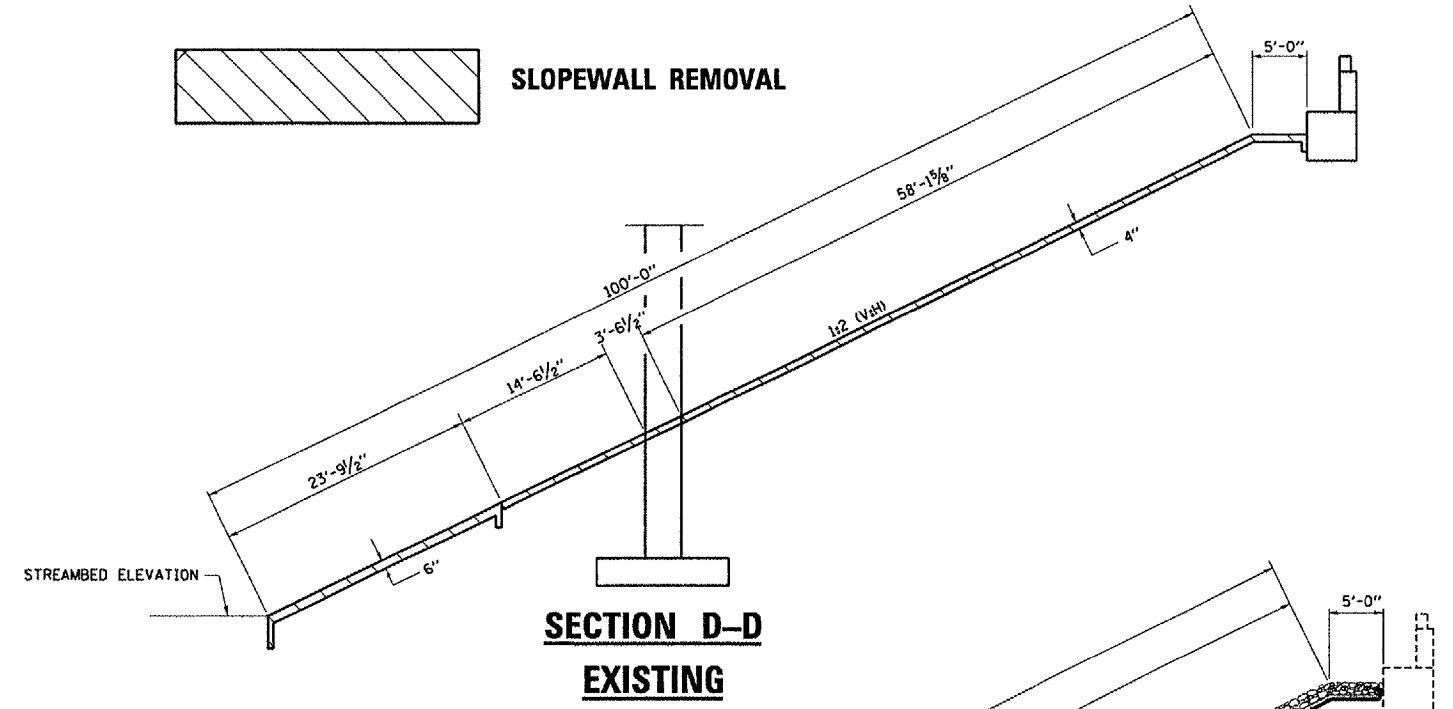
SECTION A-A



SECTION B-B



SECTION C-C



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SLOPEWALL DETAILS AT S. ABUT.

FAI ROUTE 180 SECTION (06-2B-1)

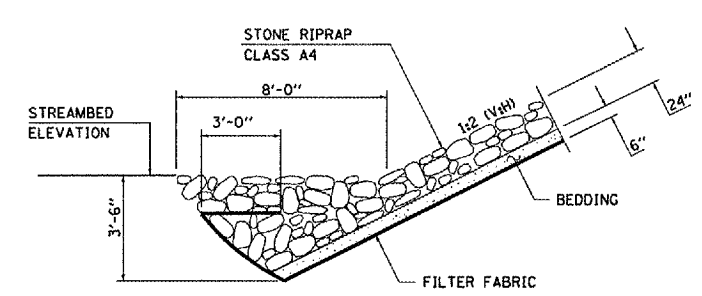
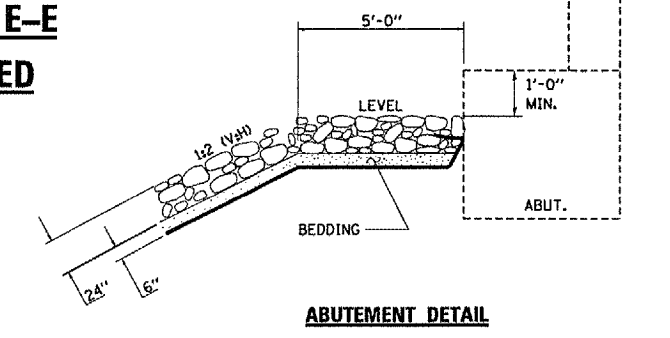
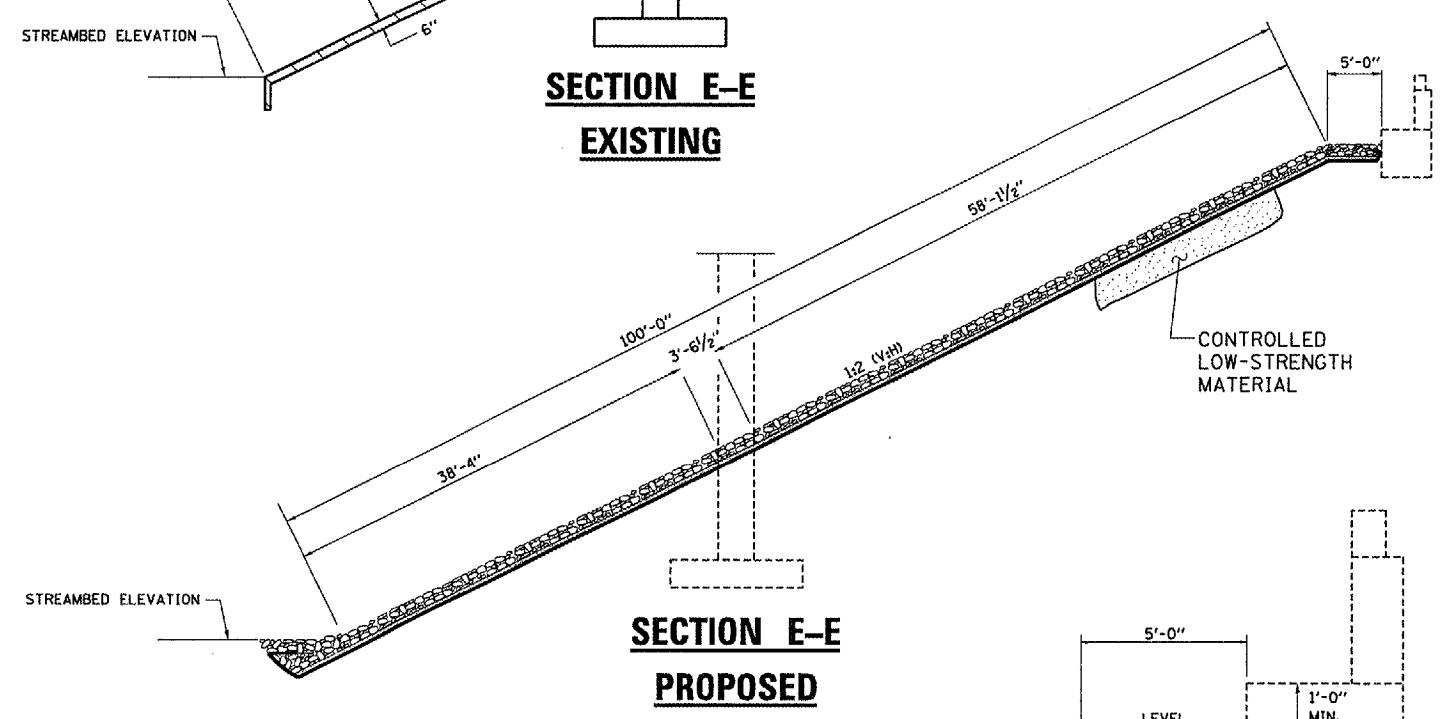
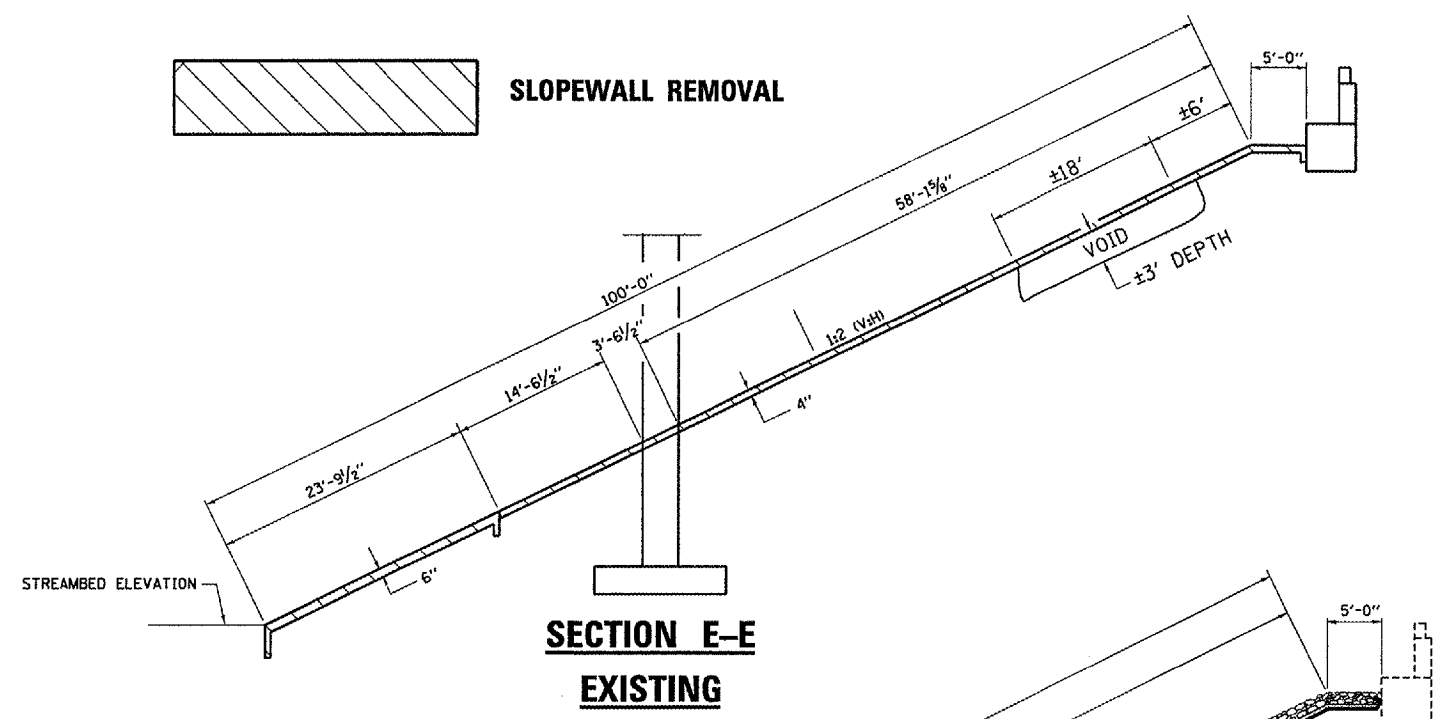
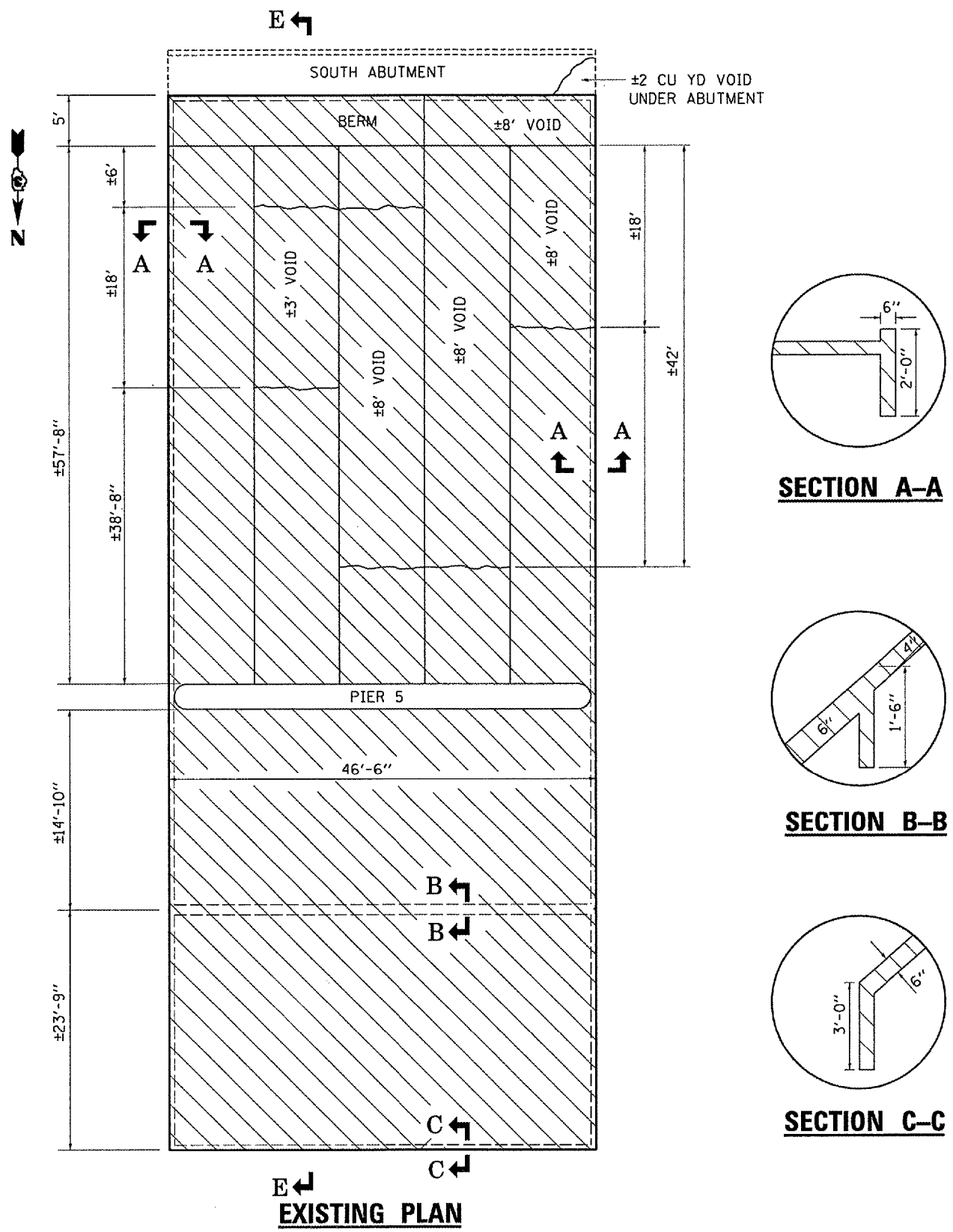
BUREAU COUNTY

STA. 521+42

S.N. 006-0052 NB

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	(06-2B-1)	BUREAU	14	10



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ILLINOIS DEPARTMENT OF TRANSPORTATION

SLOPEWALL DETAILS AT S. ABUT.

FAI ROUTE 180 SECTION (06-2B-1)

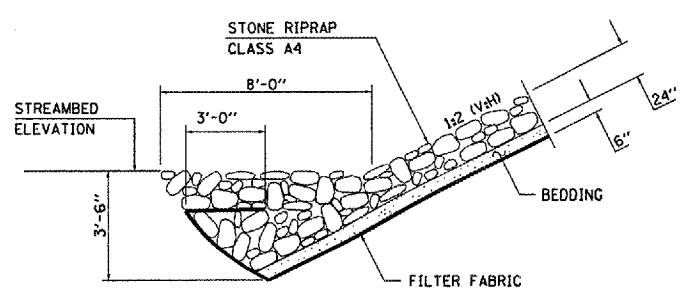
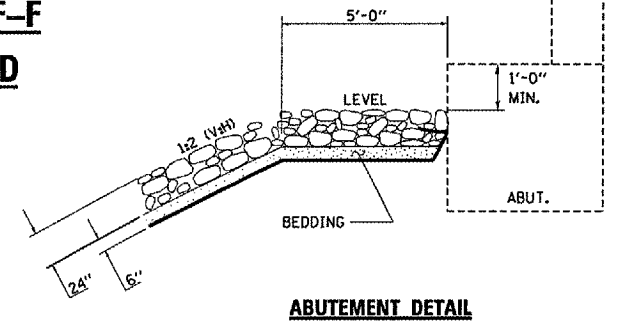
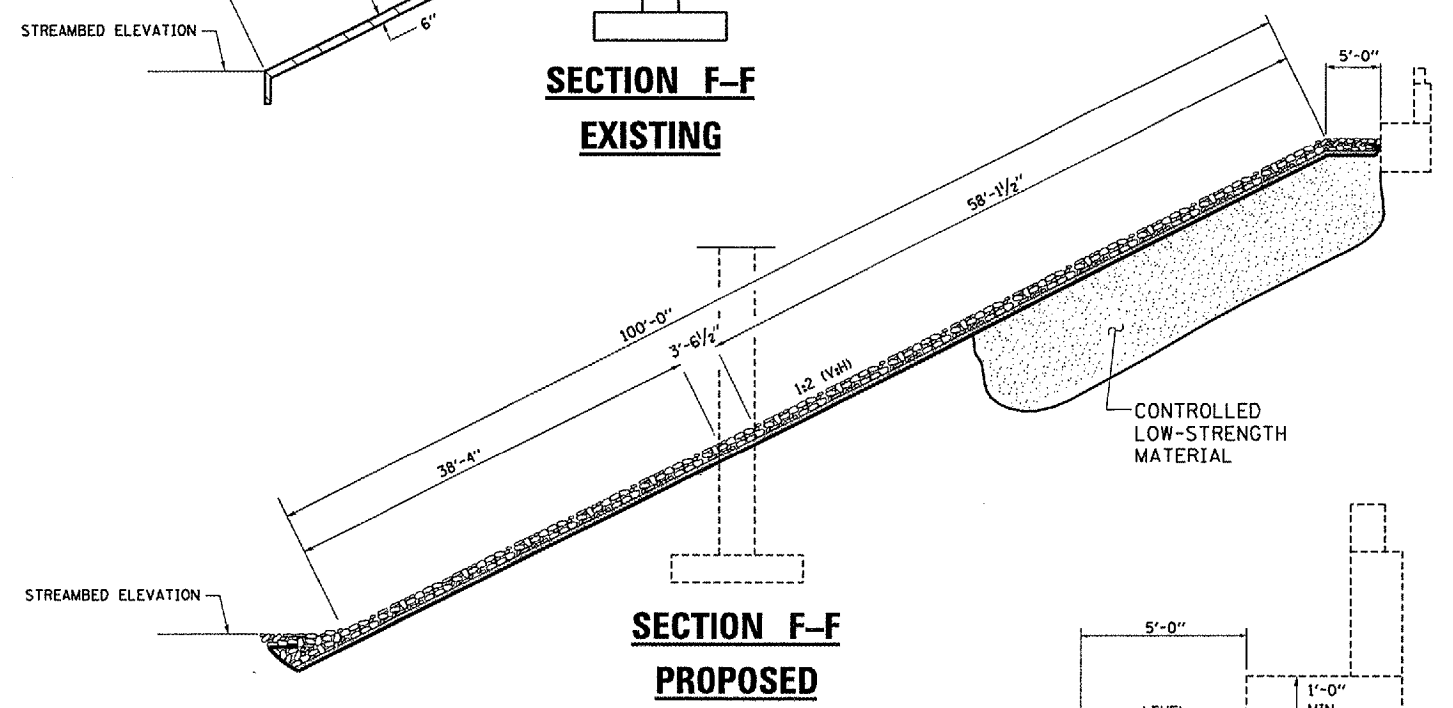
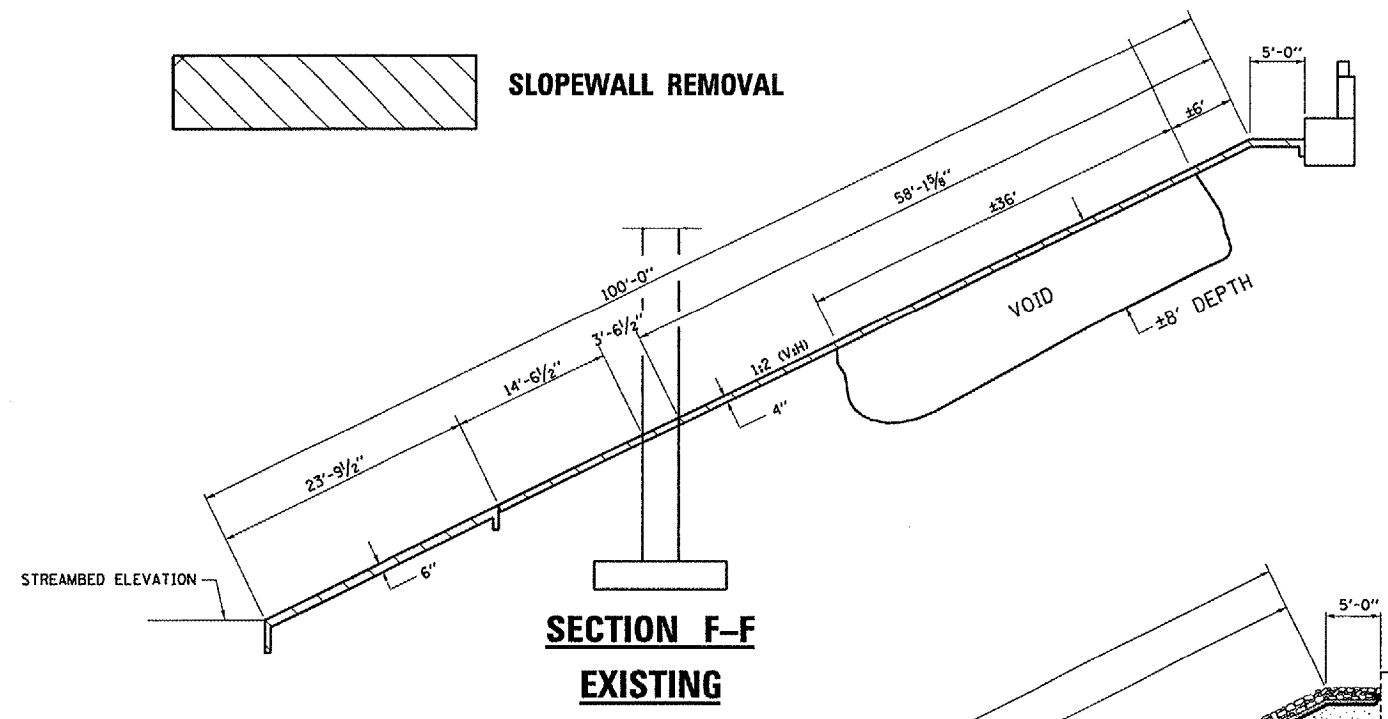
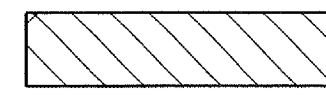
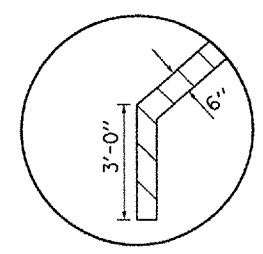
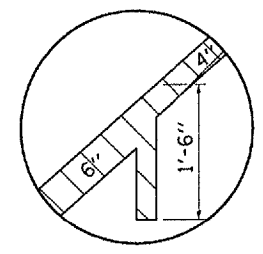
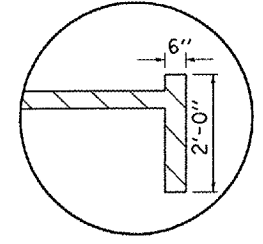
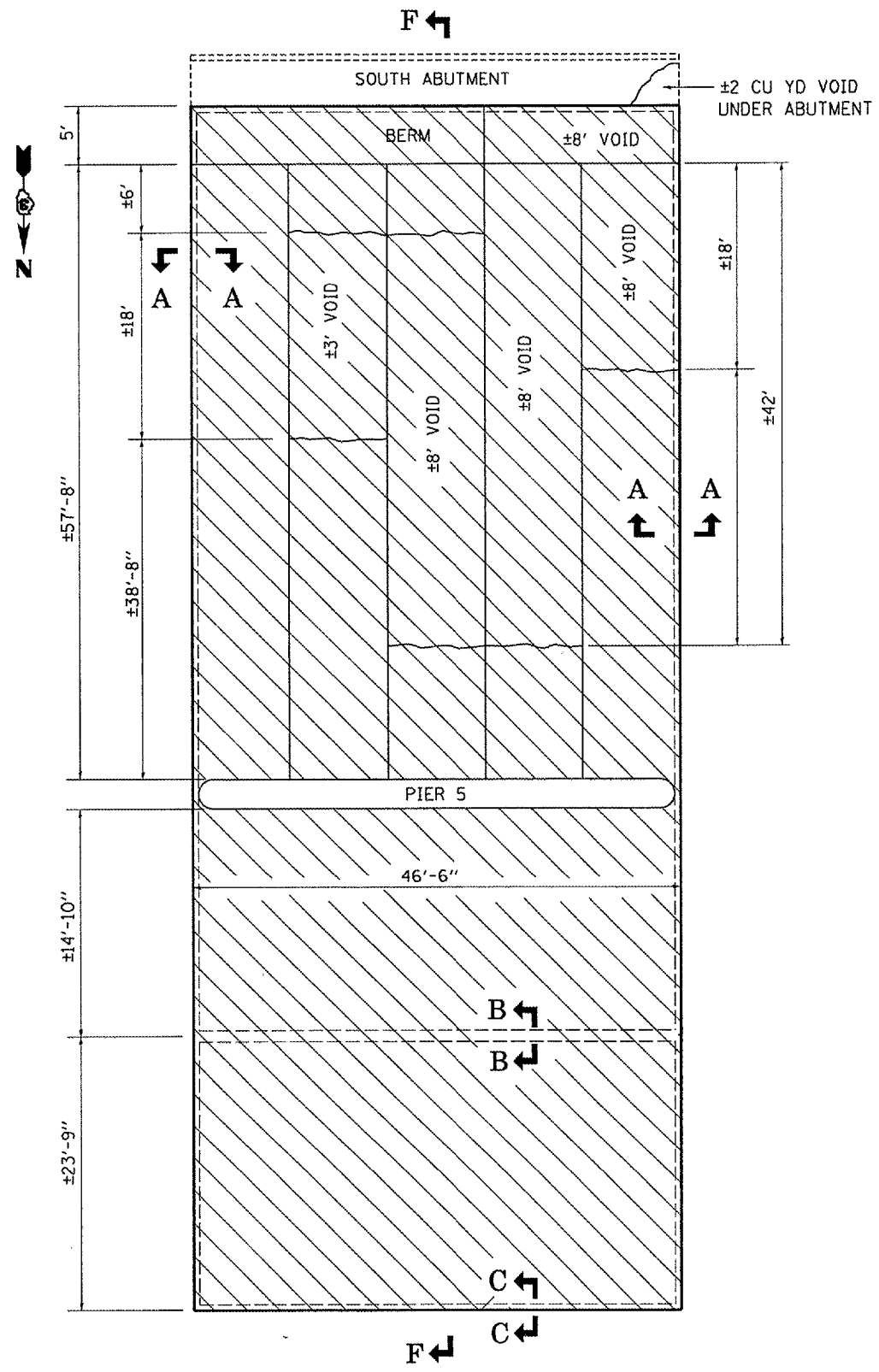
BUREAU COUNTY

STA. 521+42

S.N. 006-0052 NB

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	(06-2B-1)I	BUREAU	14	11



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SLOPEWALL DETAILS AT S. ABUT.

FAI ROUTE 180 SECTION (06-2B-1)I

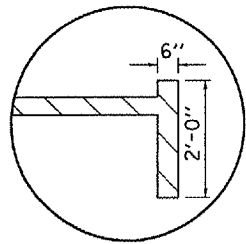
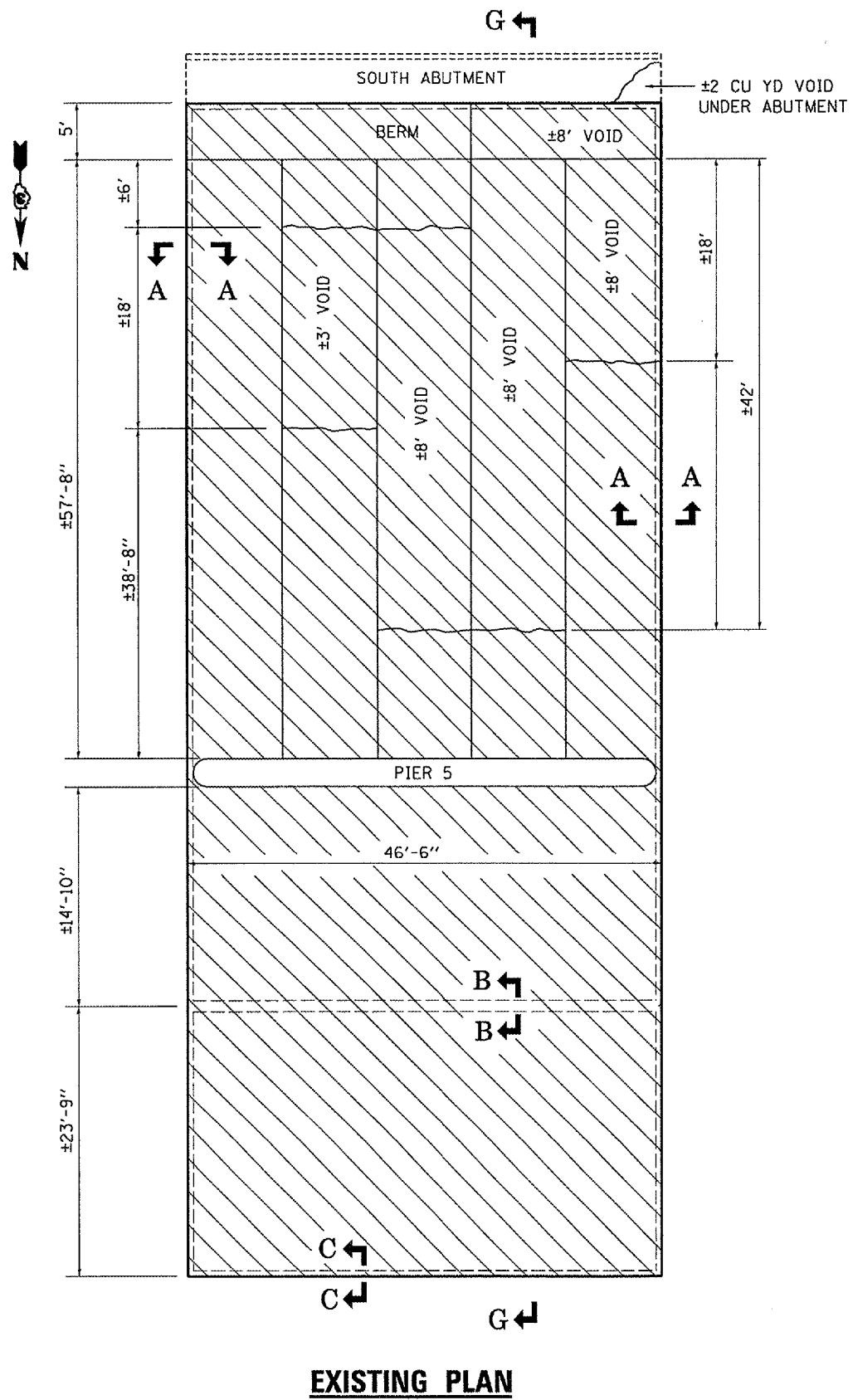
BUREAU COUNTY

STA. 521+42

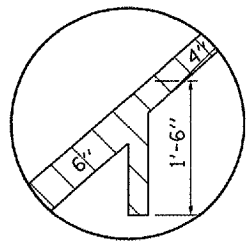
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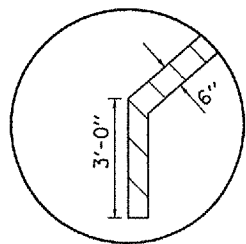
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180	(06-2B-1)I	BUREAU	14	12



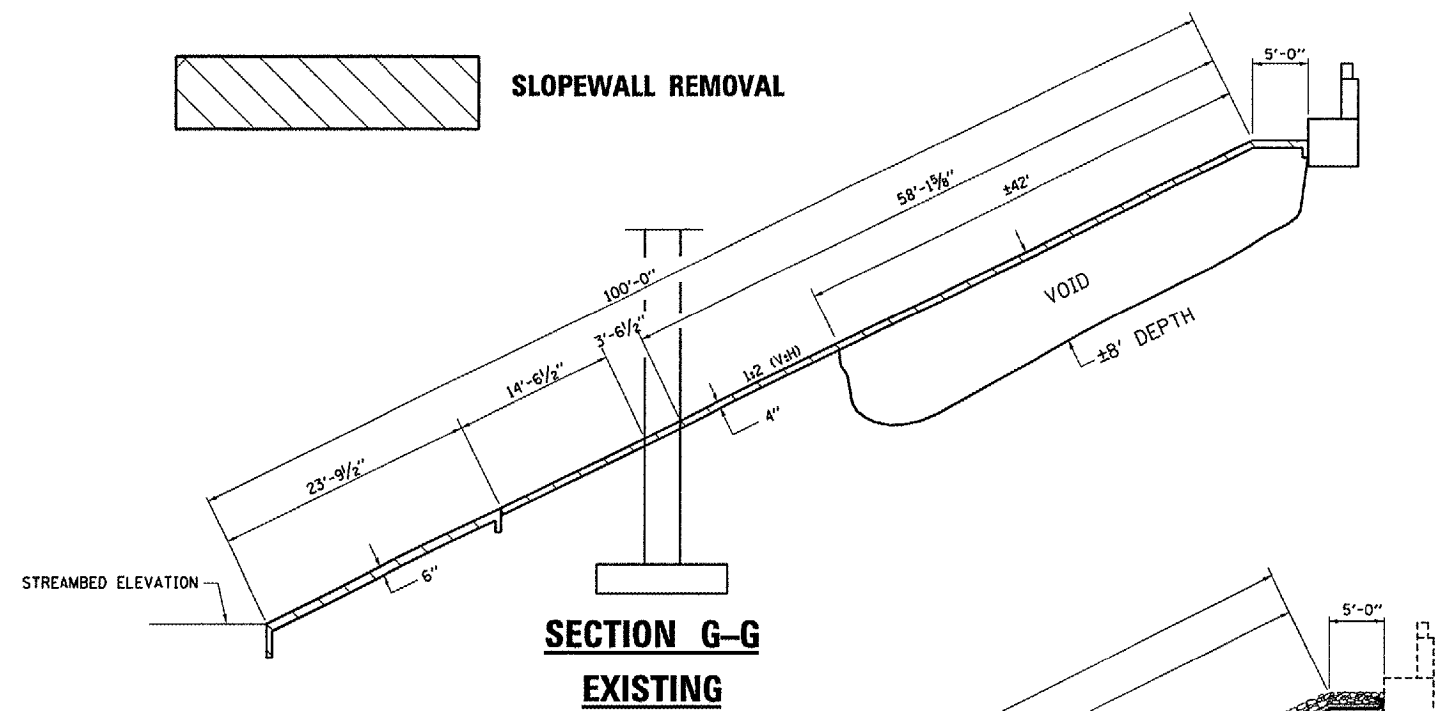
SECTION A-A



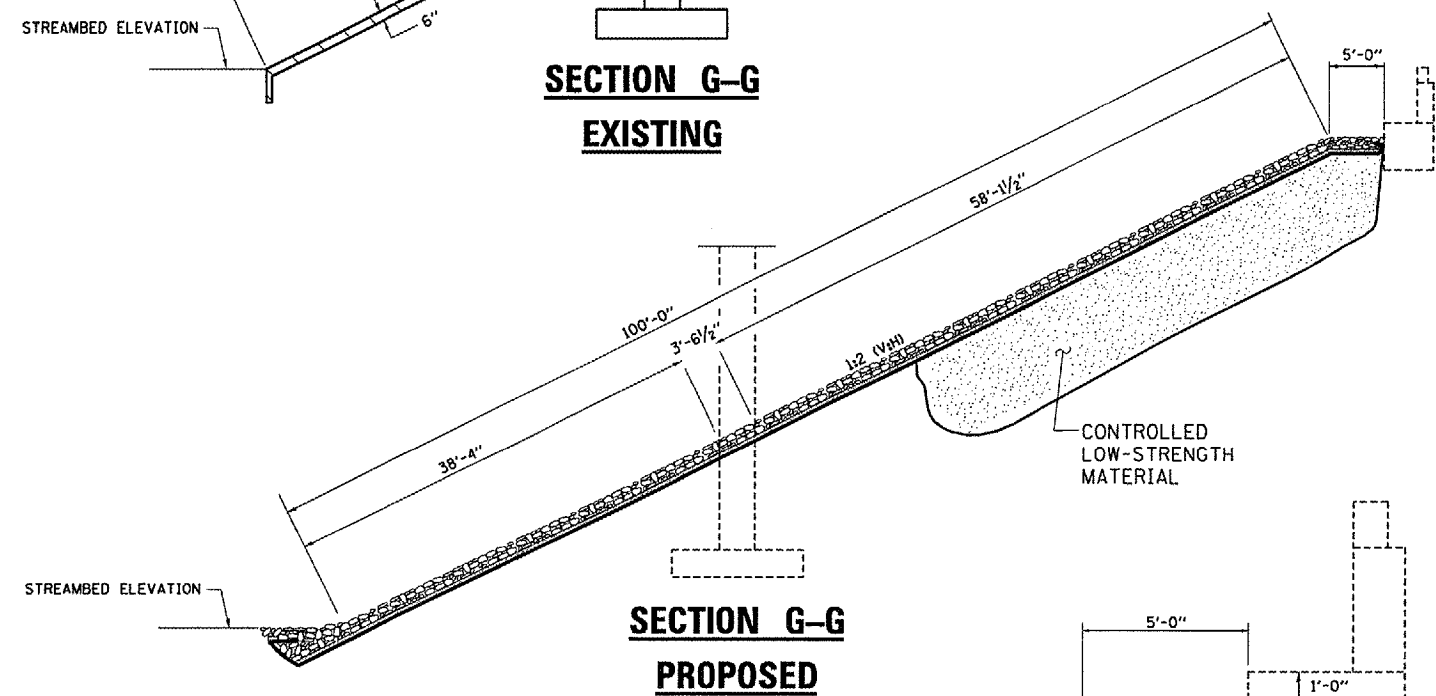
SECTION B-B



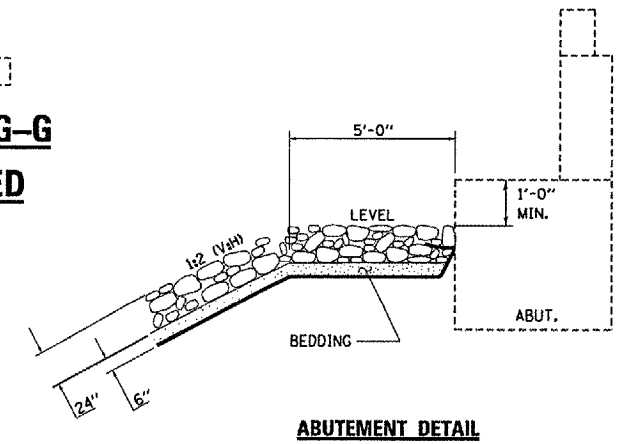
SECTION C-C



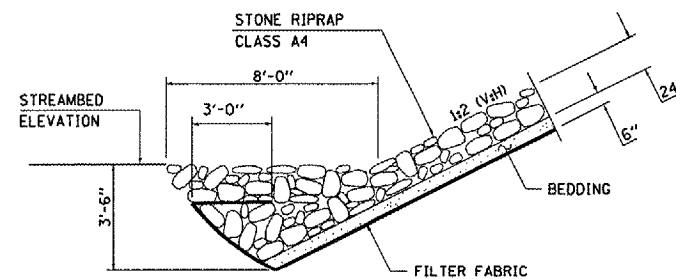
SECTION G-G
EXISTING



SECTION G-G
PROPOSED



ABUTMENT DETAIL



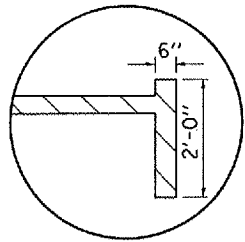
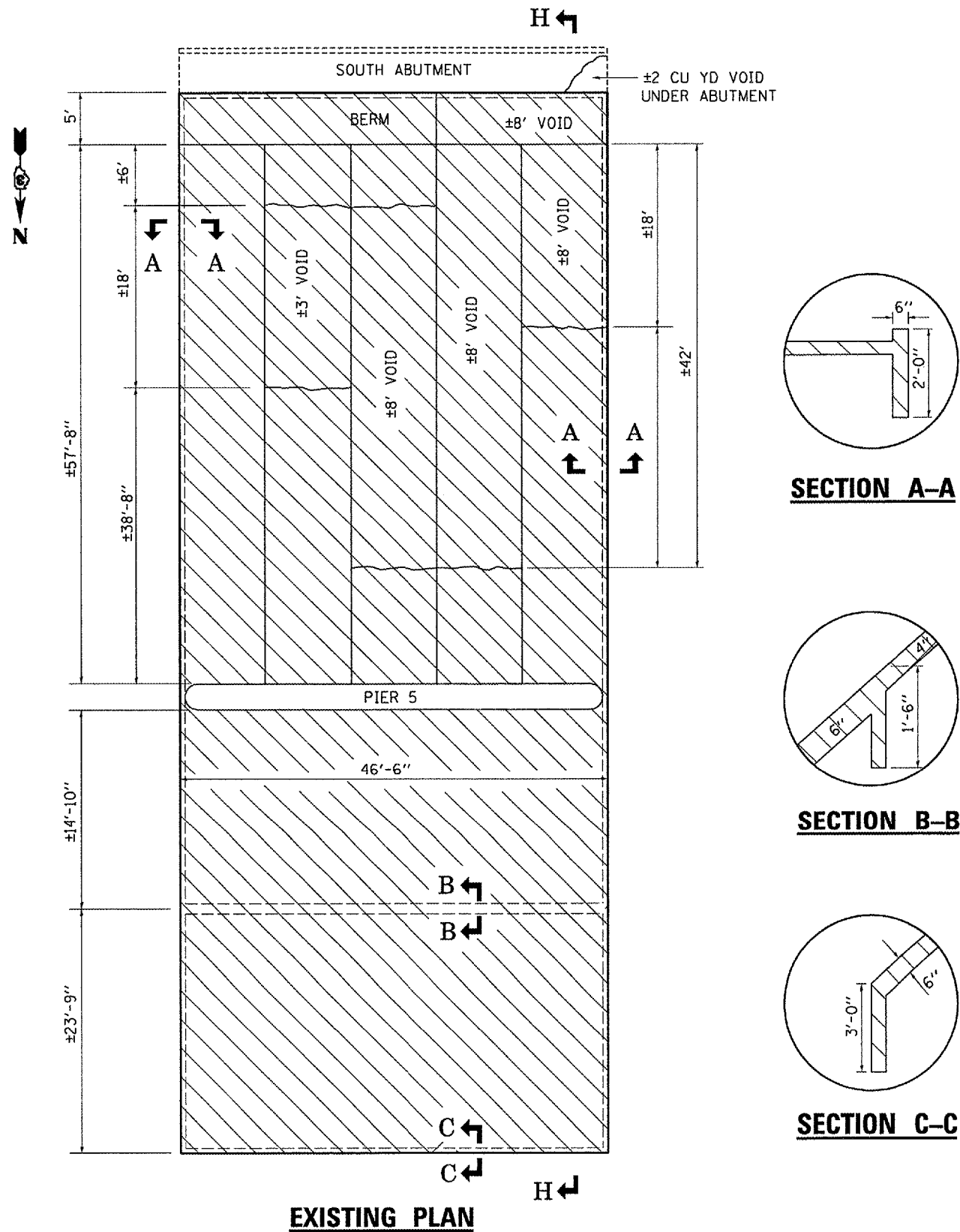
STONE RIPRAP ANCHOR DETAIL

REVISIONS	
NAME	DATE

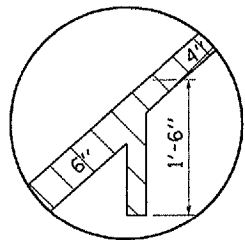
ILLINOIS DEPARTMENT OF TRANSPORTATION
SLOPEWALL DETAILS AT S. ABUT.
FAI ROUTE 180 SECTION (06-2B-1)I
BUREAU COUNTY
STA. 521+42
S.N. 006-0052 NB

Date: April 5, 2007
 c:/projects/cmair/cm312/details.dgn

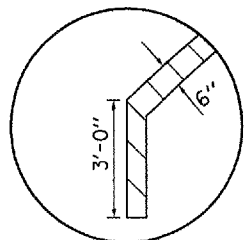
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	(06-2B-1)	BUREAU	14	13



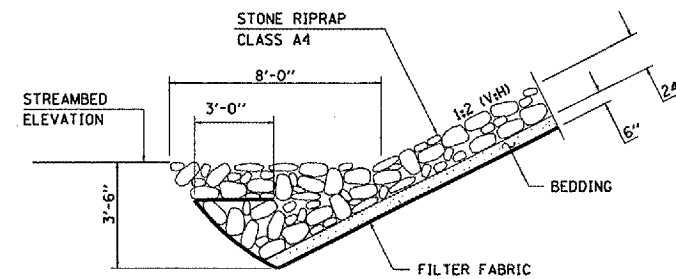
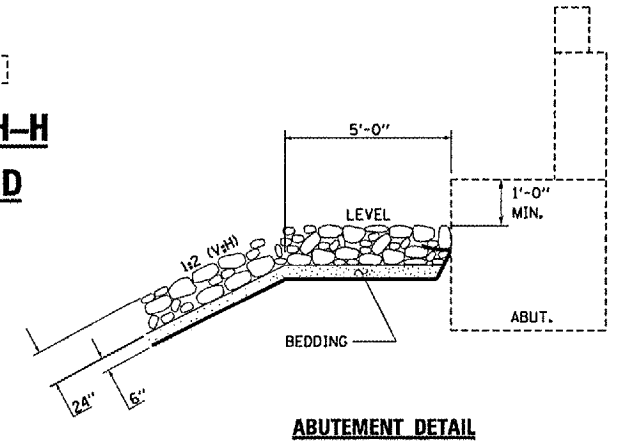
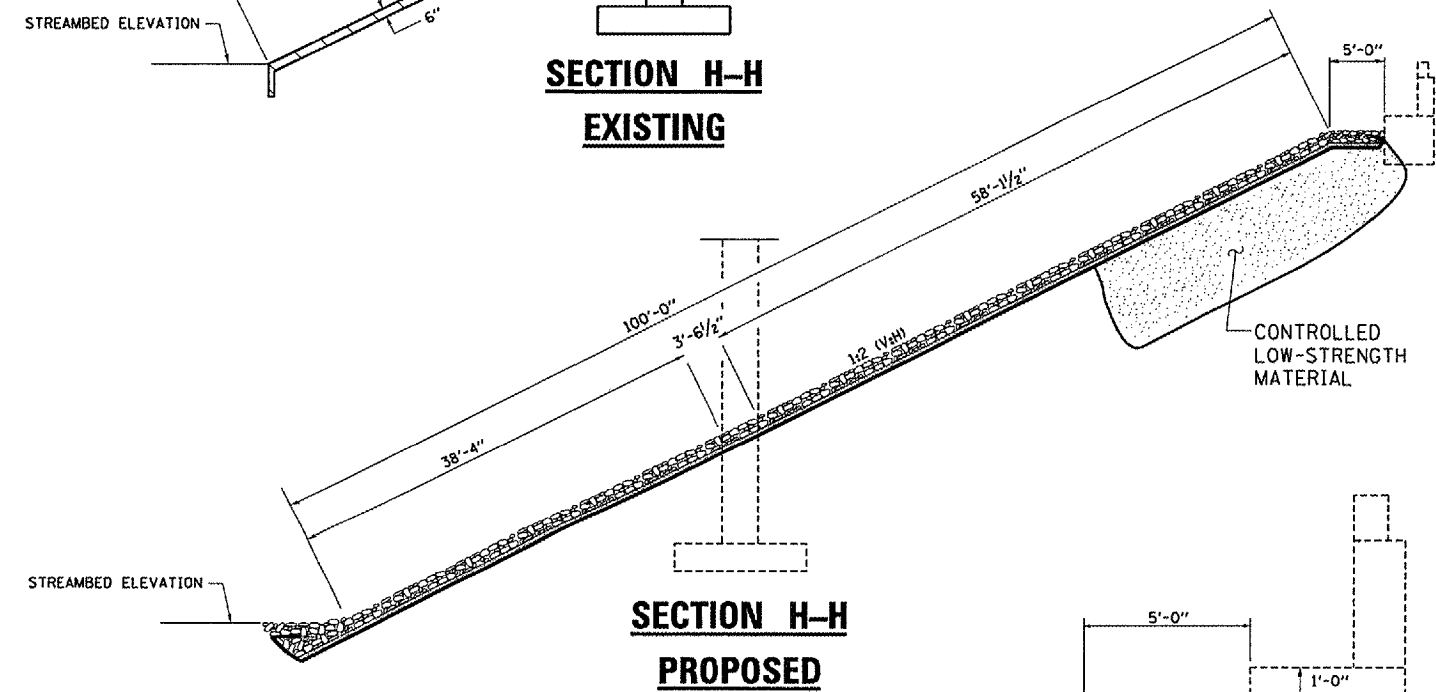
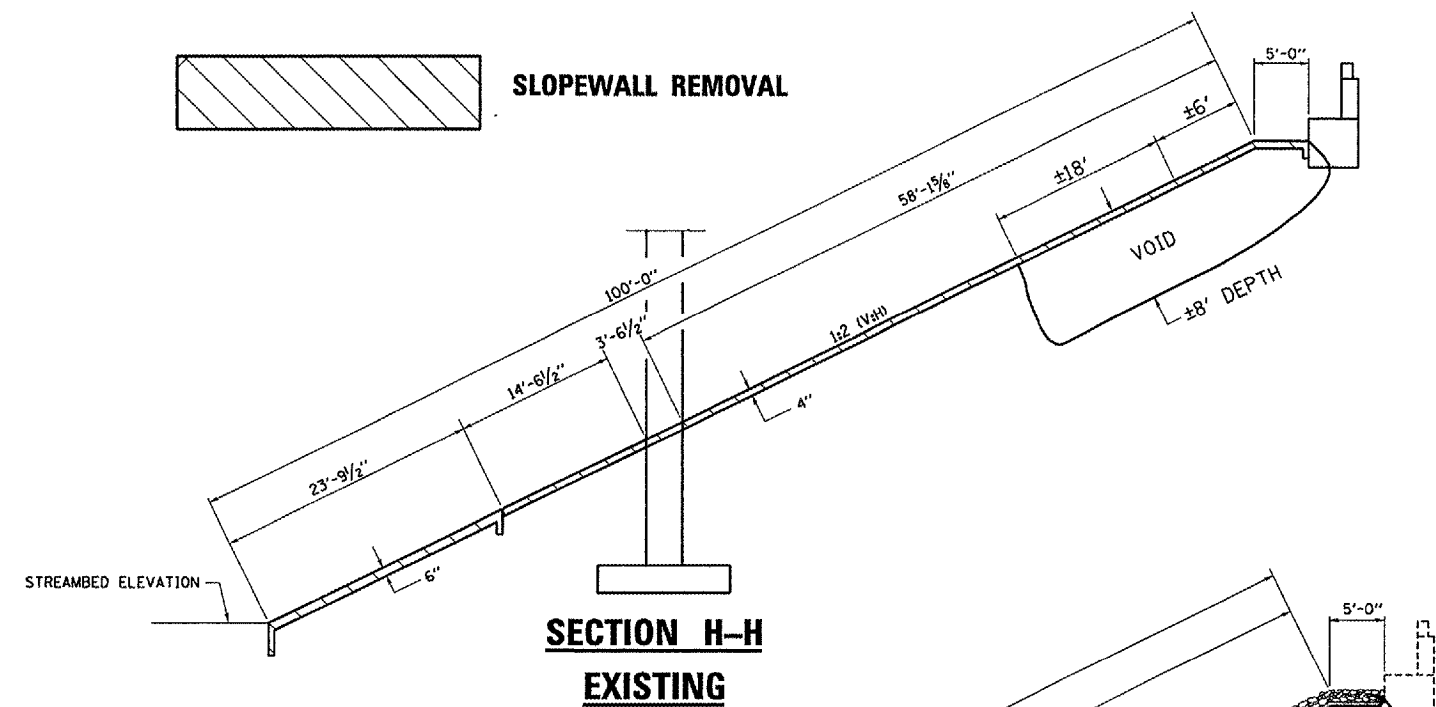
SECTION A-A



SECTION B-B



SECTION C-C

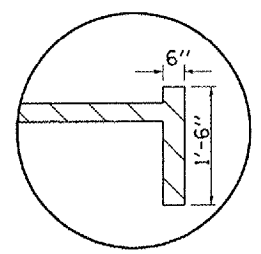
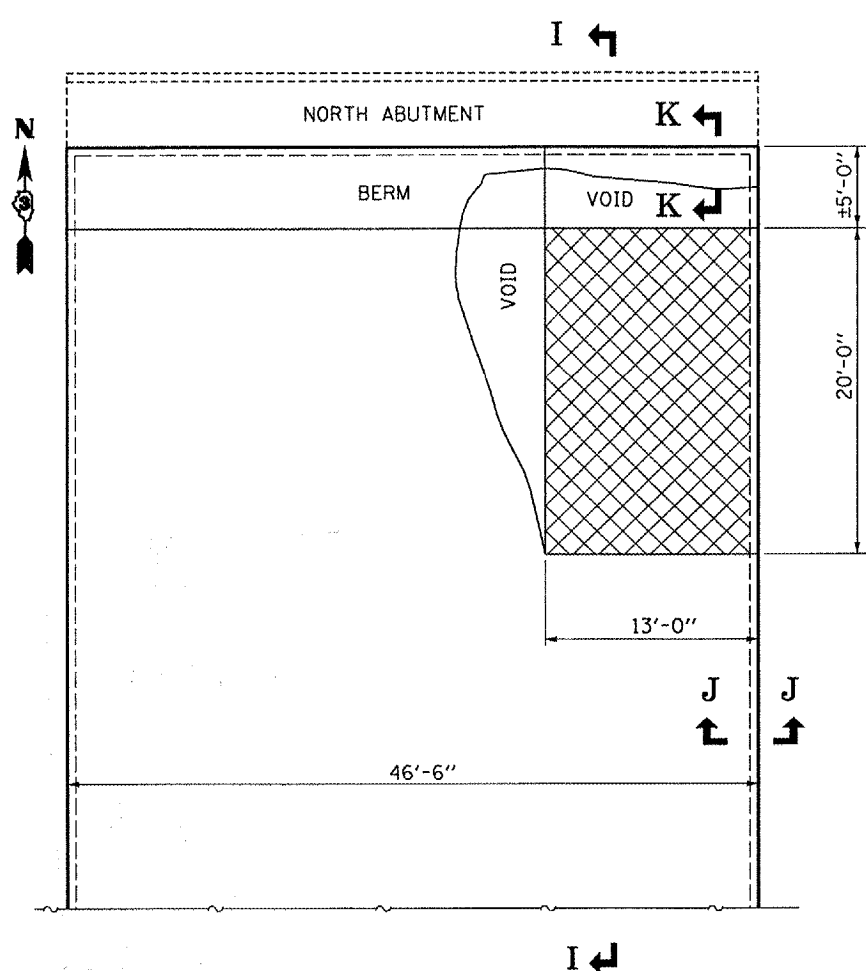


REVISIONS	
NAME	DATE

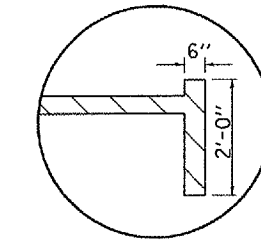
ILLINOIS DEPARTMENT OF TRANSPORTATION
SLOPEWALL DETAILS AT S. ABUT.
 FAI ROUTE 180 SECTION (06-2B-1)
 BUREAU COUNTY
 STA. 521+42
 S.N. 006-0052 NB

Date: April 5, 2007
 c:\projects\main\cm312\details.dgn

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	(06-2B-1)I	BUREAU	14	14



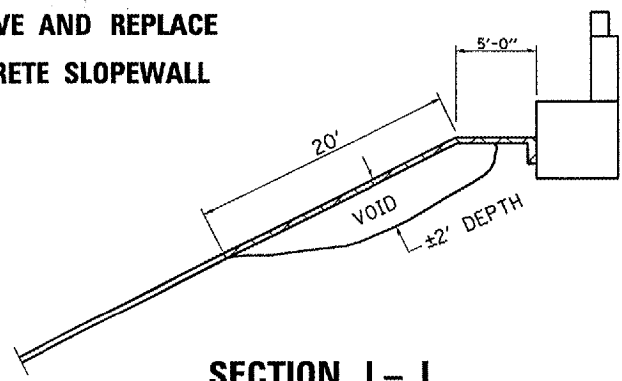
SECTION K-K



SECTION J-J

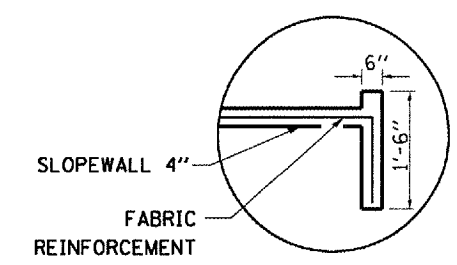
PLAN

 REMOVE AND REPLACE CONCRETE SLOPEWALL

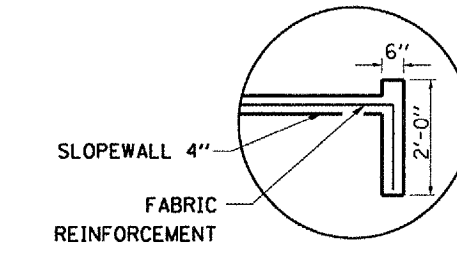


SECTION I-I

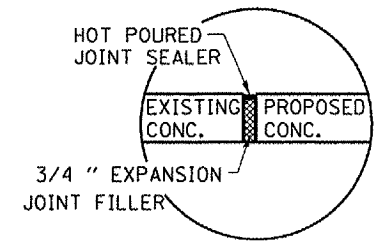
EXISTING DETAILS



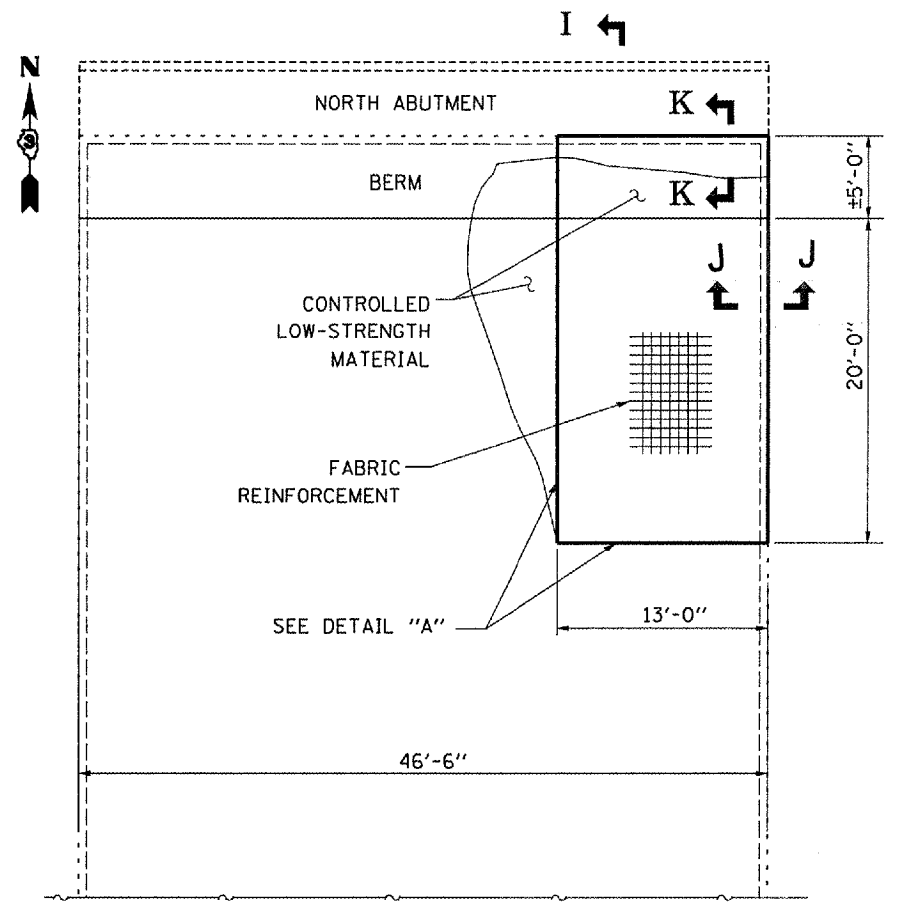
SECTION K-K



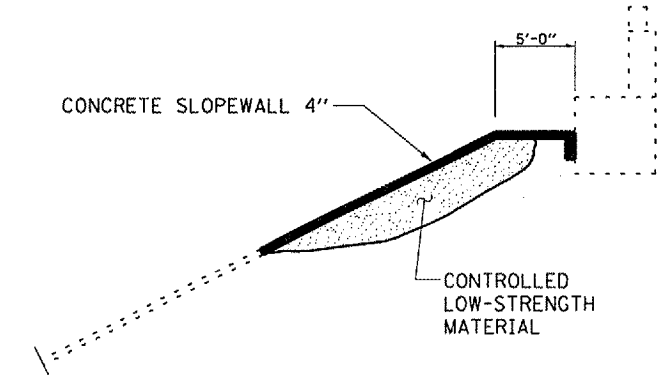
SECTION J-J



DETAIL "A"



EXISTING PLAN



SECTION I-I

PROPOSED DETAILS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SLOPEWALL DETAILS AT N. ABUT.
 FAI ROUTE 180 SECTION (06-2B-1)I
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Date: April 5, 2007
 c:/projects/cm312/details.dgn