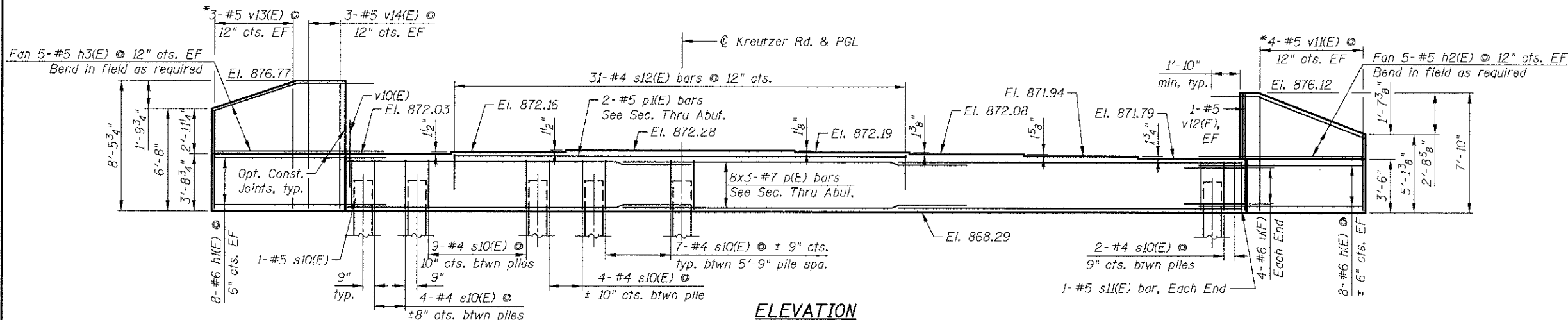


**PILE DATA**

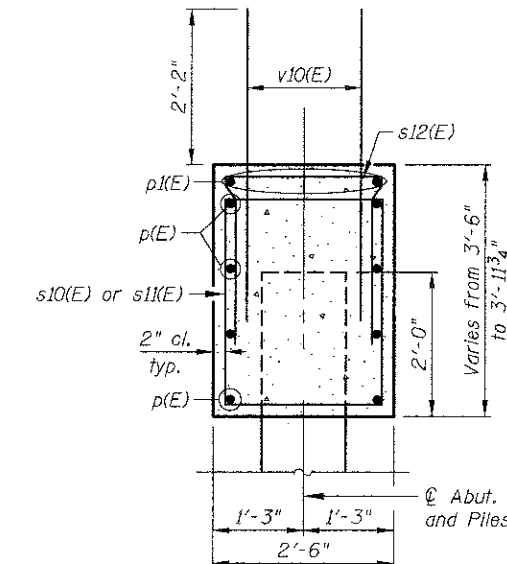
(North Abutment)

Type: Metal Shell Piles 14"  $\phi$  x 0.312"  
 Nominal Required Bearing: 363 kips  
 Factored Resistance Available: 200 kips  
 Est. Length: 41 feet  
 No. Production Piles: 10  
 No. Test Piles: 1



**ELEVATION**

\* See Field Cutting Diagram



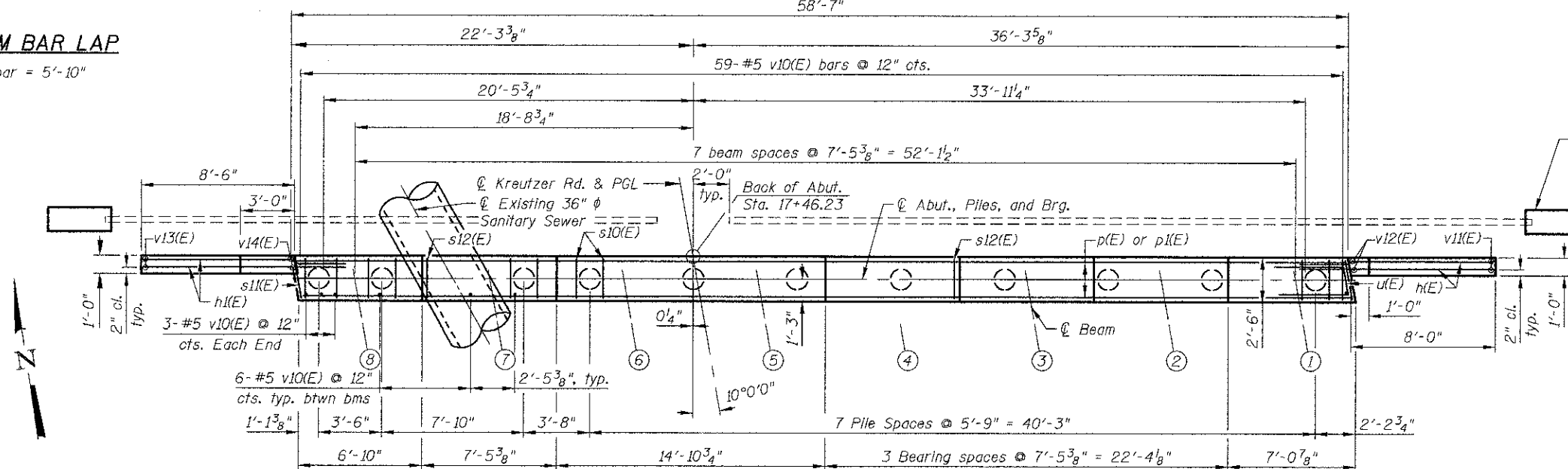
**SECTION THRU ABUTMENT**

**BILL OF MATERIAL**

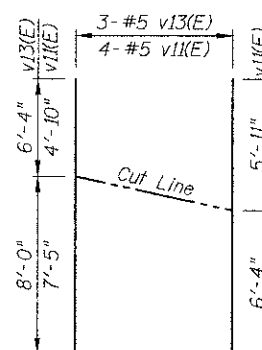
Bar	No.	Size	Length	Shape
h1(E)	16	#6	10'-8"	—
h2(E)	16	#6	11'-2"	—
h3(E)	10	#5	10'-8"	—
h3(E)	10	#5	11'-0"	—
p(E)	24	#7	23'-4"	—
p1(E)	2	#5	29'-5"	—
s10(E)	69	#4	11'-5"	□
s11(E)	2	#4	11'-6"	□
s12(E)	31	#4	6'-4"	□
u(E)	8	#6	9'-6"	∩
v10(E)	107	#5	4'-4"	—
v11(E)	8	#5	12'-3"	—
v12(E)	2	#5	7'-6"	—
v13(E)	6	#5	14'-4"	—
v14(E)	6	#5	8'-2"	—
Item	Unit	Quantity		
Granular Backfill for Structures	Cu. Yd.	109		
Concrete Structures	Cu. Yd.	25.2		
Reinforcement Bars, Epoxy Coated	Pound	3,490		
Furnishing Metal Shell Piles 14" x 0.312"	Foot	410		
Driving Piles	Foot	410		
Test Pile Metal Shells	Each	1		
Geocomposite Wall Drain	Sq. Yd.	57		
Pipe Underdrain for Structures, 4"	Foot	75		

**MINIMUM BAR LAP**

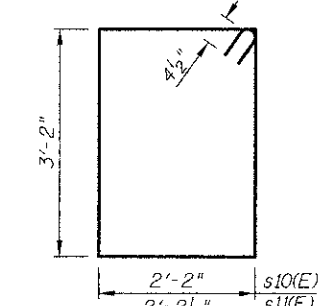
#7 bar = 5'-10"



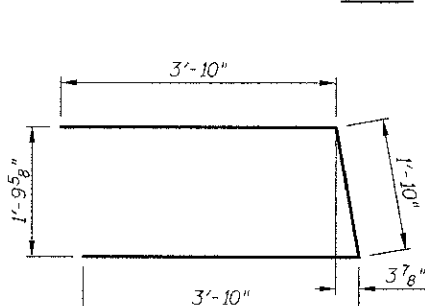
**PLAN**



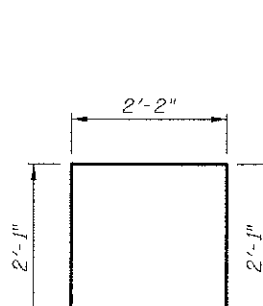
**FIELD CUTTING DIAGRAM**



**BARS s10(E) AND s11(E)**



**BAR u(E)**



**BAR s12(E)**

For details of concrete headwall and rodent shield, See IDOT std. 601101. Cost included with Pipe Underdrain for Structures, 4"

Notes:  
 Bars indicated thus 1x3-#8 etc. indicates 1 line of bars with 3 lengths per line.  
 For details of piles, see sheet S15.  
 Pour steps monolithically with cap.  
 EF = Each Face

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**CIVILTECH**  
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DRAWN	- K. BOCHNOWSKI	REVISED	-
DESIGNED	- M. LANGE	REVISED	-
CHECKED	- G. HATLESTAD	REVISED	-
DATE	- 10/22/12	REVISED	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**NORTH ABUTMENT**  
**KREUTZER ROAD OVER S. BR. KISHWAUKEE RIVER**  
**STRUCTURE NO. 056-6010**

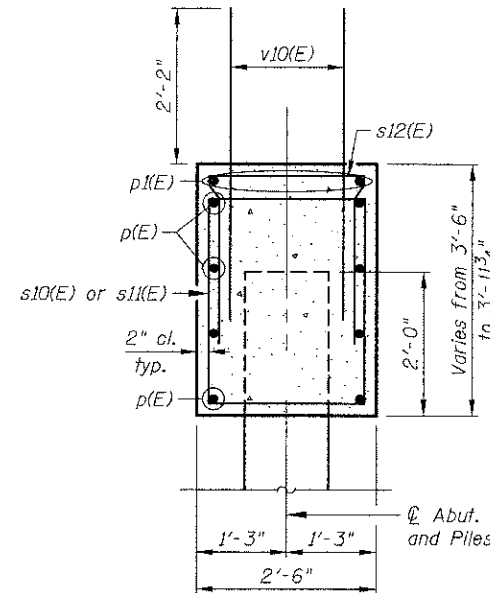
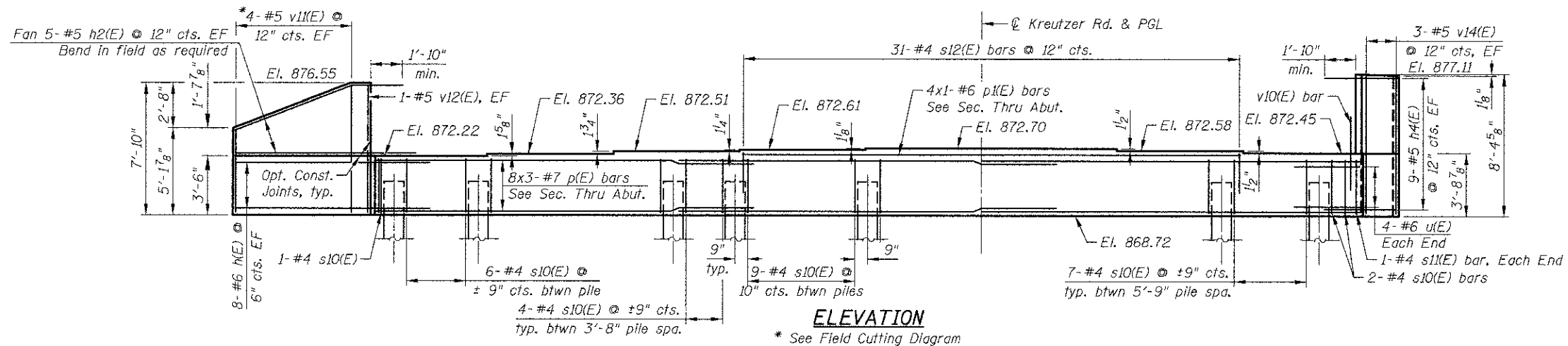
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-00031-00-PV	MCHENRY	167	101
CONTRACT NO.			63743	
ILLINOIS FED. AID PROJECT				

SHEET NO. S13 OF S18 SHEETS

**PILE DATA**

(South Abutment)

Type: Metal Shell Piles 14"  $\phi$  x 0.312"  
 Nominal Required Bearing: 363 kips  
 Factored Resistance Available: 200 kips  
 Est. Length: 51 feet  
 No. Production Piles: 10  
 No. Test Piles: 1

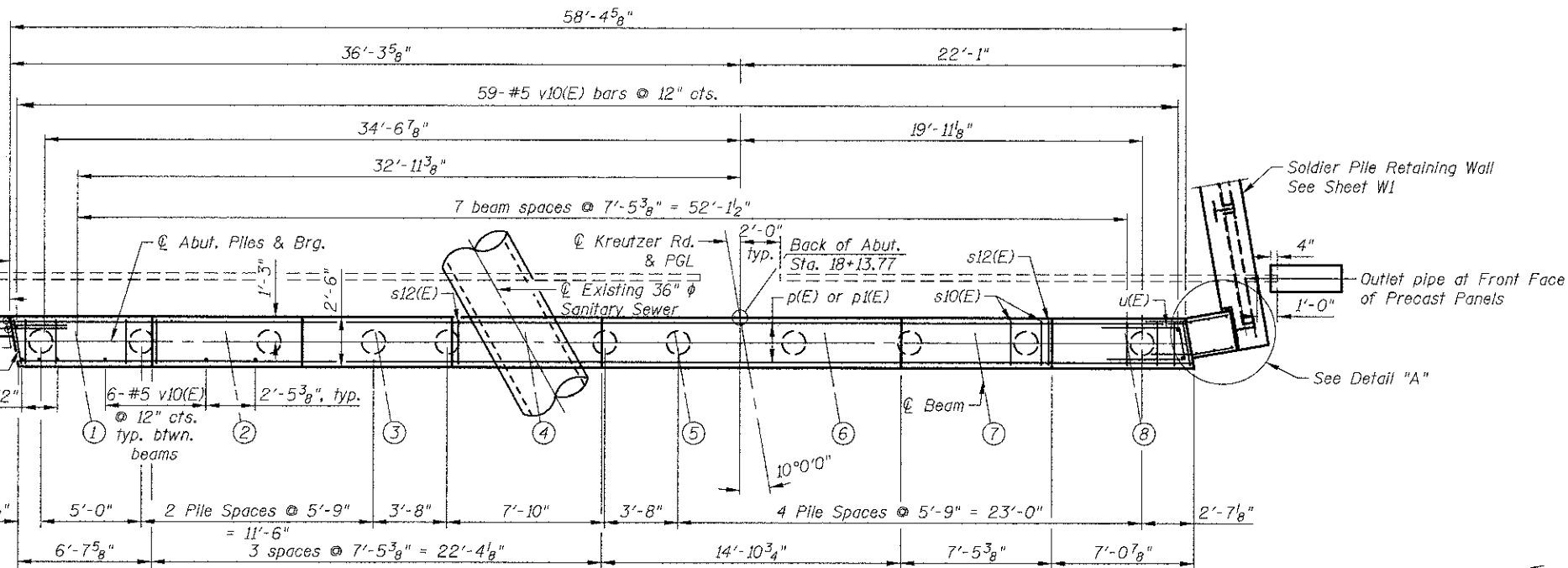


**SECTION THRU ABUTMENT**

**MINIMUM BAR LAP**

#7 bar = 5'-10"

For details of concrete headwall and rodent shield, See IDOT std. 601101. Cost included with Pipe Underdrain for Structures, 4"



**PLAN**

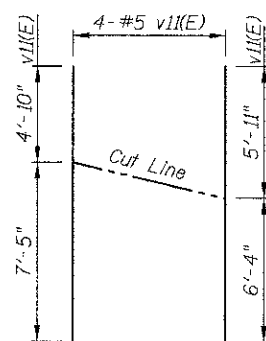
**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	16	#6	10'-8"	—
h2(E)	10	#5	10'-8"	—
h4(E)	18	#5	4'-1"	—
p(E)	24	#7	23'-4"	—
p1(E)	2	#5	29'-5"	—
s10(E)	68	#4	11'-5"	□
s11(E)	2	#4	11'-6"	□
s12(E)	31	#4	6'-4"	□
u(E)	8	#6	9'-6"	∩
v10(E)	107	#5	4'-4"	—
v11(E)	8	#5	12'-3"	—
v12(E)	2	#5	7'-6"	—
v14(E)	6	#5	8'-0"	—
Item	Unit	Quantity		
Granular Backfill for Structures	Cu. Yd.	99		
Concrete Structures	Cu. Yd.	24.0		
Reinforcement Bars, Epoxy Coated	Pound	3,090		
Furnishing Metal Shell Piles 14" x 0.312"	Foot	510		
Driving Piles	Foot	510		
Test Pile Metal Shells	Each	1		
Geocomposite Wall Drain	Sq. Yd.	52		
Pipe Underdrain for Structures, 4"	Foot	69		

Notes:  
 Bars indicated thus 1x3-#8 etc. indicates 1 line of bars with 3 lengths per line.  
 For details of piles, see sheet S15.  
 Pour steps monolithically with cap.  
 EF = Each Face

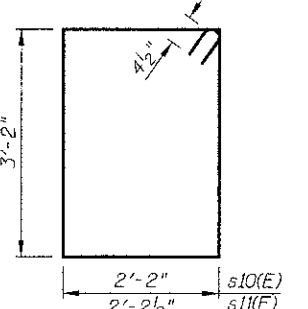
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**BAR h4(E)**

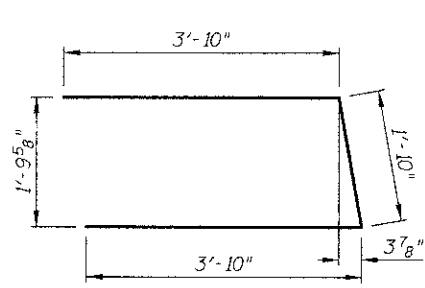


**FIELD CUTTING DIAGRAM**

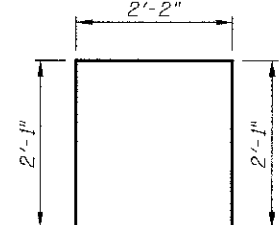
**BARS s10(E) AND s11(E)**



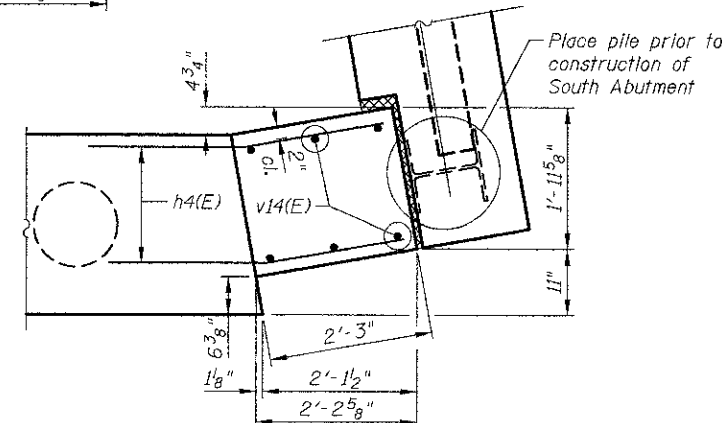
**BAR u(E)**



**BAR s12(E)**



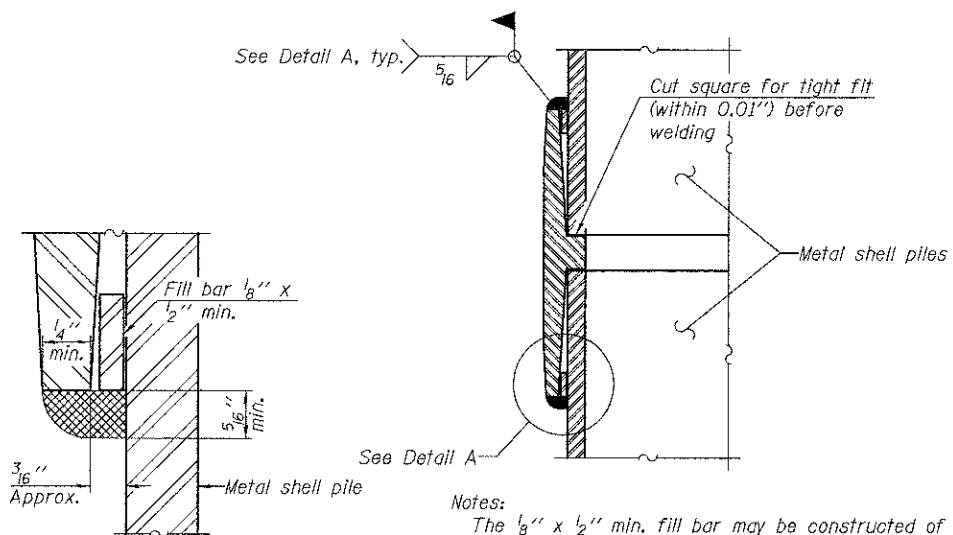
**DETAIL "A"**





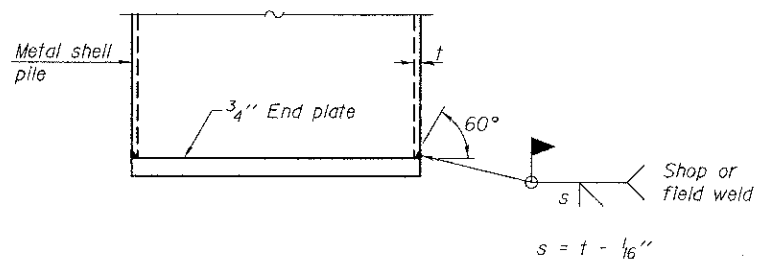
**METAL SHELL PILE TABLE**

Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. <sup>3</sup> /ft.)
PP12	0.179"	22.60	0.0274
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361



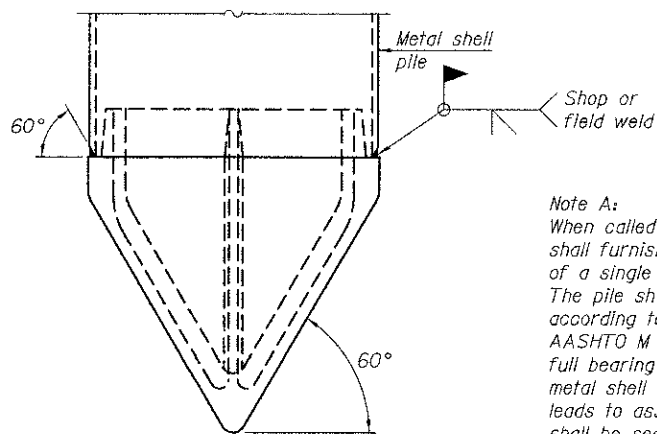
Notes:  
 The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.  
 Pile segments shall be driven to solid contact with splicer before welding.

**WELDED COMMERCIAL SPLICE**



$s = t - 1/16"$

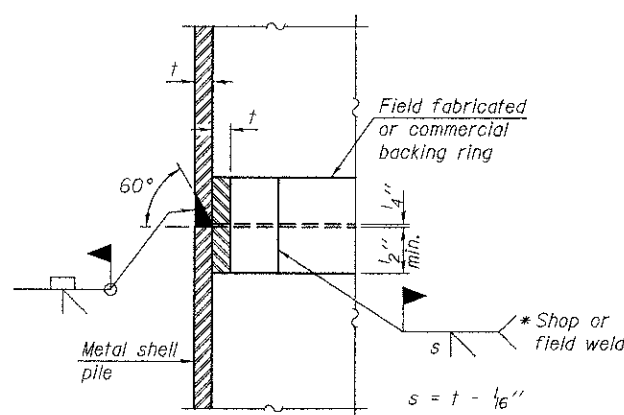
**END PLATE ATTACHMENT**



Note A:  
 When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld.

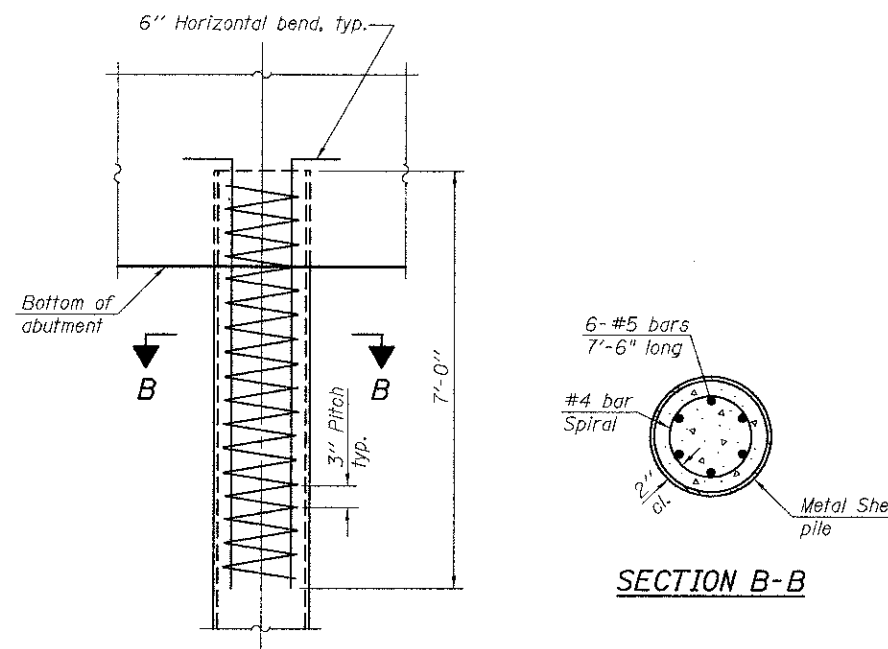
**METAL SHELL PILE SHOE ATTACHMENT**

(See Note A)



**COMPLETE PENETRATION WELD SPLICE**

\* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.

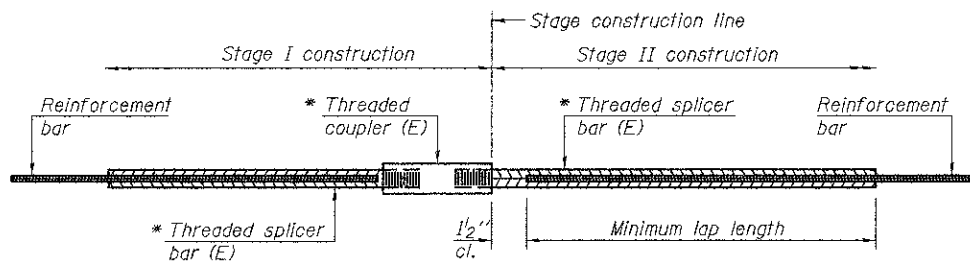


**ELEVATION**

**METAL SHELL REINFORCEMENT AT ABUTMENTS**

Note:  
 The metal shell piles shall be according to ASTM A 252 Grade 3.

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**STANDARD BAR SPLICER ASSEMBLY**

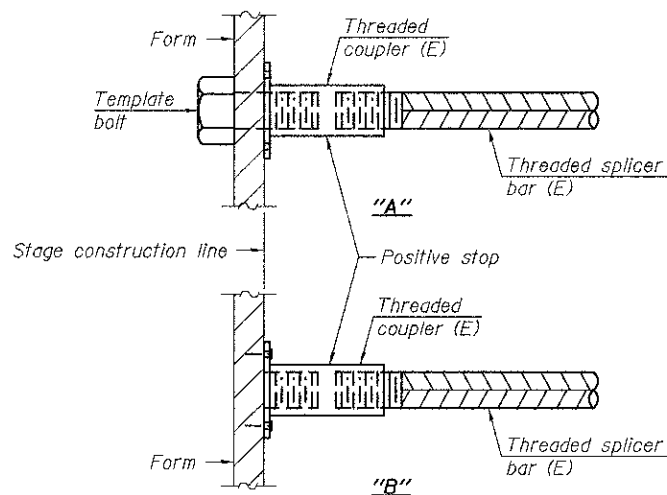
Minimum Lap Lengths					
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-3"
5	1'-9"	2'-5"	2'-7"	2'-11"	2'-10"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-4"
7	2'-9"	3'-10"	4'-2"	4'-8"	4'-6"
8	3'-8"	5'-1"	5'-5"	6'-2"	5'-10"
9	4'-7"	6'-5"	6'-10"	7'-9"	7'-5"

- Table 1: Black bar, 0.8 Class C
- Table 2: Black bar, Top bar lap, 0.8 Class C
- Table 3: Epoxy bar, 0.8 Class C
- Table 4: Epoxy bar, Top bar lap, 0.8 Class C
- Table 5: Epoxy bar, Top bar lap, Class B

Threaded splicer bar length = min. lap length + 1/2" + thread length

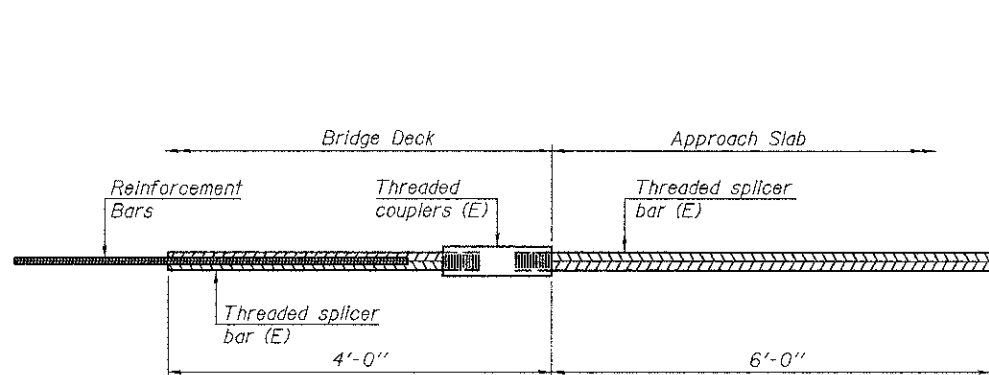
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length



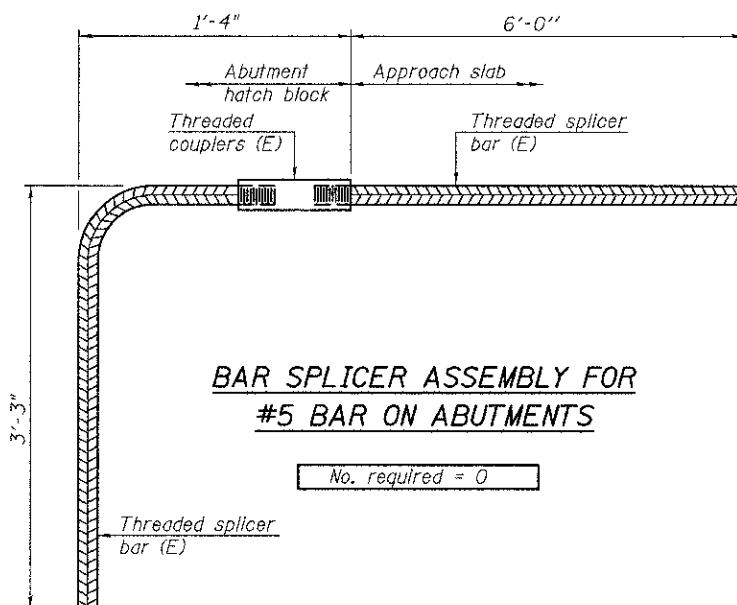
**INSTALLATION AND SETTING METHODS**

"A" : Set bar splicer assembly by means of a template bolt.  
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.  
 (E) : Indicates epoxy coating.



**BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS**

No. required = 86



**BAR SPLICER ASSEMBLY FOR #5 BAR ON ABUTMENTS**

No. required = 0

**NOTES**

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.  
 All reinforcement shall be lapped and tied to the splicer bars.  
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.  
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

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450 E Devon Ave, Suite 300  
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DRAWN	- K. BOCHNOWSKI	REVISED	-
DESIGNED	- M. LANGE	REVISED	-
CHECKED	- G. HATLESTAD	REVISED	-
DATE	- 10/22/12	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY DETAILS  
 KREUTZER ROAD OVER S. BR. KISHWAUKEE RIVER  
 STRUCTURE NO. 056-6010**

SHEET NO. S16 OF S18 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-00031-00-PV	MCHENRY	167	104
CONTRACT NO.			63743	

ILLINOIS FED. AID PROJECT

MSET PROJECT NO.: 89221		LOG OF BORING NO. B-1		Page 1 of 3						
PROJECT: Kreutzer Road Extension			SITE LOCATION: Huntley, Illinois							
BORING LOCATION: Sta. 17+50; 35' L of CL			CLIENT: Civiltech Engineering, Inc.							
DEPTH (feet)	SOIL TYPE	MATERIAL DESCRIPTION	Elevation	SAMPLE		TESTS			REMARKS	
				TYPE/ INTERVAL	No.	R-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf		Unclassified Compressive Strength, tsf
		Ground Surface	869.9							
		Dark Brown SAND and GRAVEL mixed with Clay: FILL, A-1 and A-6		SS	1	8	8	-	-	
		Black Silty CLAY, firm, A-7-6: FILL	868.1							
5		Brown SAND (f-c) and GRAVEL, slightly to medium dense, A-1	865.9	SS	2	8	23	-	0.58	
		Brown SAND (f-m), medium dense, A-2	861.9	SS	3	29	4	-	-	
10		Brown SAND (f-m), medium dense, A-2	857.9	SS	4	20	20	-	-	
		Grey SAND (f-m), medium dense, A-2	857.9	SS	5	17	17	-	-	
15		few interbedded Clayey SILT to SILT seams @ 14.5' slightly dense		SS	6	13	15	-	-	
		Grey Silt LOAM to SILT, medium dense, A-4	851.9	SS	7	8	17	-	-	
20		numerous interbedded Silt and Sand seams continued	849.9	SS	8	10	19	-	-	

MSET PROJECT NO.: 89221		LOG OF BORING NO. B-1		Page 2 of 3						
PROJECT: Kreutzer Road Extension			SITE LOCATION: Huntley, Illinois							
BORING LOCATION: Sta. 17+50; 35' L of CL			CLIENT: Civiltech Engineering, Inc.							
DEPTH (feet)	SOIL TYPE	MATERIAL DESCRIPTION	Elevation	SAMPLE		TESTS			REMARKS	
				TYPE/ INTERVAL	No.	R-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf		Unclassified Compressive Strength, tsf
		Continued	849.9							
		Grey Silt LOAM, medium dense, A-6		SS	9	11	21	-	-	
25		Grey Silty Clay LOAM, slightly dense, A-1 to A-6	845.9	SS	10	9	20	-	1.0 Qp	
		Grey Silt LOAM, medium dense, A-4	843.4	SS	11	10	19	-	-	
		few intermittent Sand seams throughout								
30		Grey SAND (f-c), medium dense, A-2	839.9	SS	12	11	20	-	-	
		Grey SAND (f-c) and GRAVEL, A-1		SS	13	22	16	-	-	
35										
40		continued	829.9							

MSET PROJECT NO.: 89221		LOG OF BORING NO. B-1		Page 3 of 3						
PROJECT: Kreutzer Road Extension			SITE LOCATION: Huntley, Illinois							
BORING LOCATION: Sta. 17+50; 35' L of CL			CLIENT: Civiltech Engineering, Inc.							
DEPTH (feet)	SOIL TYPE	MATERIAL DESCRIPTION	Elevation	SAMPLE		TESTS			REMARKS	
				TYPE/ INTERVAL	No.	R-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf		Unclassified Compressive Strength, tsf
		Continued	829.9							
		Grey SAND (f-c) and GRAVEL, medium dense, A-1		SS	15	24	7	-	-	
45										
		Grey Silt LOAM to SILT, very dense, A-4	823.1	SS	16	60	21	-	-	
50										
		Grey SAND (f-c), dense, A-2	818.1	SS	17	31	15	-	-	
55		few interbedded Silty CLAY and SILT seams								
		to very dense								
60		End of Boring @ 60.0'	809.9	SS	18	78	18	-	-	

**WATER LEVEL OBSERVATIONS, ft.**  
 During Drilling: 7.0'  
 Immediately After Drilling: 6.5'  
 Delayed Reading After - Days



BORING STARTED: 5/18/09  
 BORING COMPLETED: 5/18/09  
 LOGGED BY: SPE  
 BORING METHOD: HSA

**WATER LEVEL OBSERVATIONS, ft.**  
 During Drilling: 7.0'  
 Immediately After Drilling: 6.5'  
 Delayed Reading After - Days



BORING STARTED: 5/18/09  
 BORING COMPLETED: 5/18/09  
 LOGGED BY: SPE  
 BORING METHOD: HSA

**WATER LEVEL OBSERVATIONS, ft.**  
 During Drilling: 7.0'  
 Immediately After Drilling: 6.5'  
 Delayed Reading After - Days



BORING STARTED: 5/18/09  
 BORING COMPLETED: 5/18/09  
 LOGGED BY: SPE  
 BORING METHOD: HSA

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MSET PROJECT NO.: 89221		LOG OF BORING NO. B-2		Page 1 of 3					
PROJECT: Kreutzer Road Extension		SITE LOCATION: Huntley, Illinois							
BORING LOCATION: Sta. 18+10; 25' R of CL		CLIENT: Civiltech Engineering, Inc.							
DEPTH (feet)	SOIL TYPE	MATERIAL DESCRIPTION	Elevation	SAMPLE		TESTS			REMARKS
				TYPE/ INTERVAL	No.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight,pcf	
		Ground Surface	868.2						
		Dark Brown LOAM, slightly dense, A-4; FILL		SS 1	3	15	-	-	
5				SS 2	4	16	-	-	
		Brown SAND (f-m), slightly to medium dense, A-3	862.7	SS 3	10	20	-	-	
				SS 4	7	23	-	-	
		Grey SAND (f-m), few intermittent Silt seams, A-3 and A-4		SS 5	13	16	-	-	
		Grey Silt LOAM, slightly to medium dense, A-4	854.7	SS 6	9	18	-	-	
				SS 7	11	19	-	-	
		Grey SAND (f-m), A-3	851.2						
		Grey Silt LOAM, A-4, interbedded Silt seams throughout, slightly dense	850.2	SS 8	8	21	-	-	
20		continued	848.2						
<b>WATER LEVEL OBSERVATIONS, ft.</b>				BORING STARTED: 5/18/09					
During Drilling: 5.5'				BORING COMPLETED: 5/18/09					
Immediately After Drilling: 5.9'				LOGGED BY: SPE					
Delayed Reading After - Days -				BORING METHOD: HSA					

MSET PROJECT NO.: 89221		LOG OF BORING NO. B-2		Page 2 of 3					
PROJECT: Kreutzer Road Extension		SITE LOCATION: Huntley, Illinois							
BORING LOCATION: Sta. 18+10; 25' R of CL		CLIENT: Civiltech Engineering, Inc.							
DEPTH (feet)	SOIL TYPE	MATERIAL DESCRIPTION	Elevation	SAMPLE		TESTS			REMARKS
				TYPE/ INTERVAL	No.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight,pcf	
		Continued	848.2						
		Grey Silt LOAM, A-4, intermittent Silt and fine Sand seams throughout, slightly to medium dense		SS 9	9	21	-	-	
				SS 10	11	20	-	-	
25				SS 11	13	20	-	-	
		Grey SAND (f-c), trace Gravel, medium dense, A-2	840.2	SS 12	16	14	-	-	
				SS 13	23	21	-	-	
		Grey SAND (f-c) and GRAVEL, medium dense, A-1	830.7	SS 14	21	11	-	-	
40		continued	828.2						
<b>WATER LEVEL OBSERVATIONS, ft.</b>				BORING STARTED: 5/18/09					
During Drilling: 5.5'				BORING COMPLETED: 5/18/09					
Immediately After Drilling: 5.9'				LOGGED BY: SPE					
Delayed Reading After - Days -				BORING METHOD: HSA					

MSET PROJECT NO.: 89221		LOG OF BORING NO. B-2		Page 3 of 3					
PROJECT: Kreutzer Road Extension		SITE LOCATION: Huntley, Illinois							
BORING LOCATION: Sta. 18+10; 25' R of CL		CLIENT: Civiltech Engineering, Inc.							
DEPTH (feet)	SOIL TYPE	MATERIAL DESCRIPTION	Elevation	SAMPLE		TESTS			REMARKS
				TYPE/ INTERVAL	No.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight,pcf	
		Continued	828.2						
		Grey SAND (f-c) and GRAVEL, medium dense, A-1							
		Grey Silt LOAM to SILT, dense to medium dense, A-4	826.4	SS 15	41	20	-	-	
45				SS 16	21	22	-	-	
		Grey SAND (f-c) and GRAVEL, dense, A-1	819.7	SS 17	38	10	-	-	
50				SS 18	35	13	-	-	
55									
60		End of Boring @ 60.0'	808.2						
<b>WATER LEVEL OBSERVATIONS, ft.</b>				BORING STARTED: 5/18/09					
During Drilling: 5.5'				BORING COMPLETED: 5/18/09					
Immediately After Drilling: 5.9'				LOGGED BY: SPE					
Delayed Reading After - Days -				BORING METHOD: HSA					

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**GENERAL NOTES**

1. Piles shall be set at the specified tip elevation. Excavation for placement of the precast wall panels may occur prior to or immediately following pile setting operations; however, excavations shall not remain open any longer than 5 days.
2. At the bridge locations, the Contractor shall coordinate the bridge work with retaining walls. The bridge work shall be completed prior to constructing the adjacent sections of retaining walls, unless otherwise stated.
3. All exposed edges shall have 3/4" Chamfer.
4. All dimensions and grades shown on the plans shall be field verified by the Contractor prior to construction. The Contractor shall notify the Engineer of any variations. Such variations shall not be cause for additional compensation for a change in scope of work.
5. All fill and backfill shall be compacted to 95% of standard proctor density.
6. The Contractor shall restore all areas damaged during construction to their original condition.
7. Precast Concrete Panels shall be fabricated and erected according to Section 504 of the Standard Specifications. The Precast Concrete Manufacturer shall furnish detailed shop drawings showing all dimensions, reinforcement, weights, and lifting locations. Precast Concrete Panels shall be embedded in soil 2'-0" minimum, except as noted.
8. Contraction Joints shall be placed in the Concrete Cap at the center of each pile except at the Expansion Joint location. Reinforcement shall be continuous through the joint.
9. Expansion Joints shall be placed in the Concrete Cap at locations indicated in the plans. Reinforcement shall not pass through the joints.
10. Reinforcement Bars designated (E) shall be Epoxy Coated.
11. Compaction of soil and granular material located within 2'-0" from the back of the retaining wall shall be compacted to the satisfaction of the Engineer using a suitable mechanical hand tamper.
12. The Contractor shall secure the Precast Concrete Panels in the position with approved temporary devices until backfill is placed.
13. The exposed surfaces of the Soldier Piles shall be cleaned and painted according to the Special Provisions for "Cleaning and Painting New Metal Structures." The color of the final finish coat shall be Gray, Munsell No. 5B 7/1.

**INDEX OF SHEETS**

- W1 General Plan & Elevation
- W2 General Data
- W3 Retaining Wall Details
- W4 Boring Logs I
- W5 Boring Logs II

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Granular Backfill for Structures	Cu. Yd.	72
Structure Excavation	Cu. Yd.	9
Geocomposite Wall Drain	Sq. Yd.	37
Precast Concrete Panel	Sq. Ft.	976
Furnishing Soldier Piles (HP Section)	Foot	492
Driving Soldier Piles	Foot	492
Concrete Cap	Foot	162

**SOLDIER PILE LOCATIONS & ELEVATIONS**

Pile No.	Center Pile Station	Top of Pile Elevation
1	18+08.93	875.40
2	18+14.93	875.40
3	18+20.93	875.50
4	18+27.93	875.50
5	18+34.75	875.50
6	18+41.49	875.70
7	18+48.24	875.70
8	18+55.95	875.70
9	18+63.66	875.80
10	18+71.37	875.80
11	18+79.08	875.80
12	18+86.79	875.90
13	18+94.50	875.90
14	19+02.21	875.90
15	19+09.92	876.00
16	19+17.63	876.00
17	19+25.35	876.00
18	19+33.06	876.00
19	19+40.77	876.00
20	19+48.48	876.00
21	19+56.19	876.00
22	19+63.90	876.00

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 10/18/2012



450 E Devon Ave, Suite 300  
 Itasca, Illinois 60143  
 Tel: 630.773.3900 Fax: 630.773.3975  
 www.civiltechinc.com

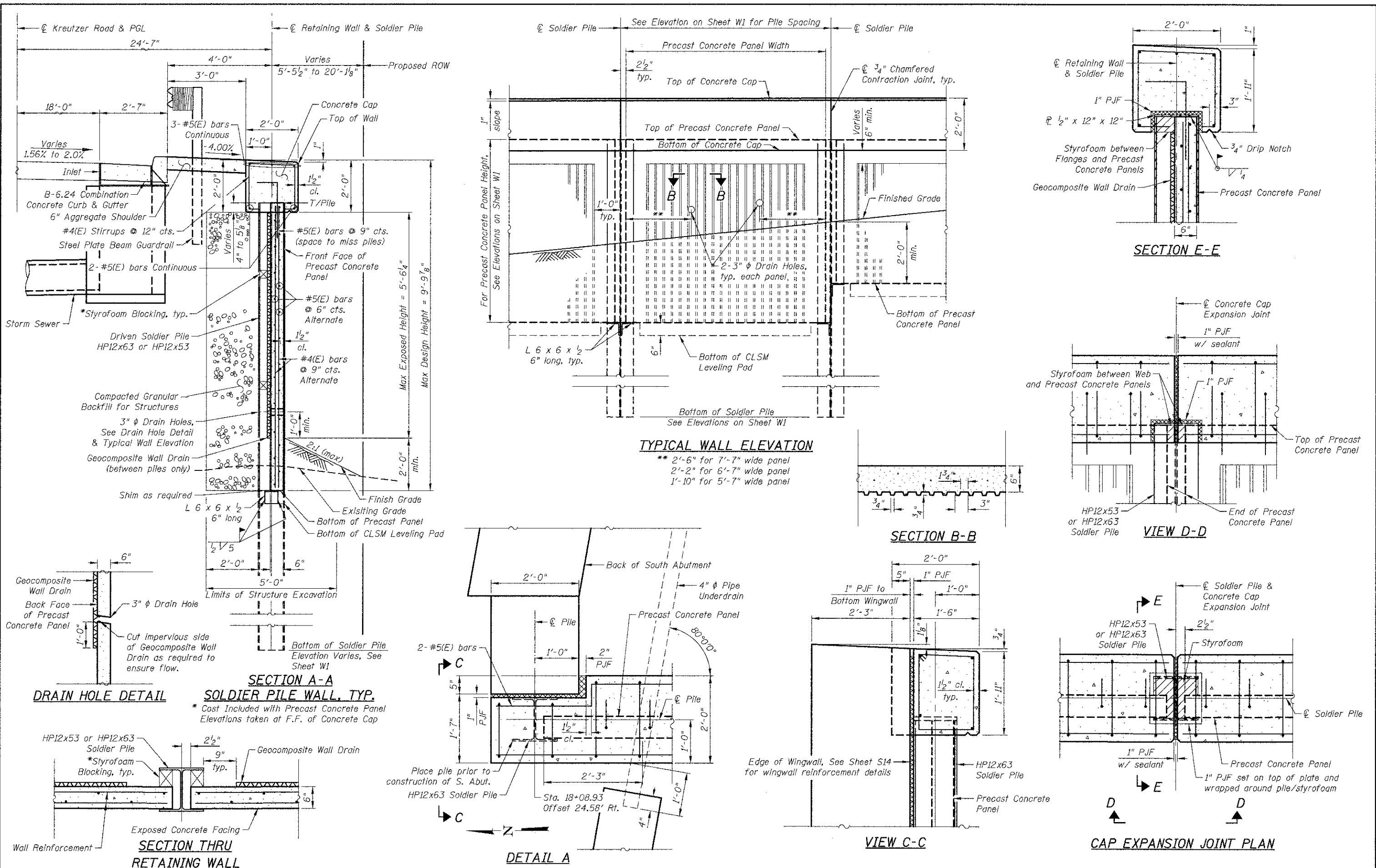
DRAWN - K. BOCHNOWSKI	REVISED -
DESIGNED - M. LANGE	REVISED -
CHECKED - G. HATLESTAD	REVISED -
DATE - 10/22/12	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA**  
**KREUTZER ROAD RETAINING WALL**  
 SHEET NO. W2 OF W5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-00031-00-PV	MCHENRY	167	108
			CONTRACT NO. 63743	
ILLINOIS FED. AID PROJECT				





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460 E Devon Ave, Suite 300  
 Itasca, Illinois 60143  
 Tel: 630.773.3900 Fax: 630.773.3975  
 www.civiltechinc.com

DRAWN - K. BOCHNOWSKI	REVISED -
DESIGNED - M. LANGE	REVISED -
CHECKED - G. HATLESTAD	REVISED -
DATE - 10/22/12	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS  
 KREUTZER ROAD RETAINING WALL  
 SHEET NO. W3 OF W5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-00031-00-PV	MCHENRY	167	109

CONTRACT NO. 63743

ILLINOIS FED. AID PROJECT

MSET PROJECT NO.: 89221		LOG OF BORING NO. B-2		Page 1 of 3						
PROJECT: Kreutzer Road Extension		SITE LOCATION: Huntley, Illinois								
BORING LOCATION: Sta. 18+10; 25' R of CL		CLIENT: Civiltech Engineering, Inc.								
DEPTH (feet)	SOIL TYPE	MATERIAL DESCRIPTION	Elevation	SAMPLE		TESTS			REMARKS	
				TYPE/ INTERVAL	No.	A-VALUE Blows per ft.	Wc%	Dry Unit Weight,pcf		Unclassified Compressive Strength, tsf
		Ground Surface	868.2							
		Dark Brown LOAM, slightly dense, A-4; FILL		SS	1	3	15	-	-	
				SS	2	4	16	-	-	
5		Brown SAND (f-m), slightly to medium dense, A-3	862.7	SS	3	10	20	-	-	
		Grey SAND (f-m), few intermittent Silt seams, A-3 and A-4		SS	4	7	23	-	-	
10		Grey Silt LOAM, slightly to medium dense, A-4	854.7	SS	5	13	16	-	-	
		Grey SAND (f-m), A-3	851.2	SS	6	9	18	-	-	
15		Grey Silt LOAM, A-4, interbedded Silt seams throughout, slightly dense	850.2	SS	7	11	19	-	-	
		continued	848.2	SS	8	8	21	-	-	
20										

**WATER LEVEL OBSERVATIONS, ft.**  
 During Drilling: 5.5'  
 Immediately After Drilling: 5.9'  
 Delayed Reading After - Days: -



BORING STARTED: 5/18/09  
 BORING COMPLETED: 5/18/09  
 LOGGED BY: SPE  
 BORING METHOD: HSA

MSET PROJECT NO.: 89221		LOG OF BORING NO. B-2		Page 2 of 3						
PROJECT: Kreutzer Road Extension		SITE LOCATION: Huntley, Illinois								
BORING LOCATION: Sta. 18+10; 25' R of CL		CLIENT: Civiltech Engineering, Inc.								
DEPTH (feet)	SOIL TYPE	MATERIAL DESCRIPTION	Elevation	SAMPLE		TESTS			REMARKS	
				TYPE/ INTERVAL	No.	A-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf		Unclassified Compressive Strength, tsf
		Continued	848.2							
		Grey Silt LOAM, A-4, intermittent Silt and fine Sand seams throughout, slightly to medium dense		SS	9	9	21	-	-	
				SS	10	11	20	-	-	
25				SS	11	13	20	-	-	
		Grey SAND (f-c), trace Gravel, medium dense, A-2	840.2	SS	12	16	14	-	-	
30				SS	13	23	21	-	-	
		Grey SAND (f-c) and GRAVEL, medium dense, A-1	830.7	SS	14	21	11	-	-	
40		continued	828.2							

**WATER LEVEL OBSERVATIONS, ft.**  
 During Drilling: 5.5'  
 Immediately After Drilling: 5.9'  
 Delayed Reading After - Days: -



BORING STARTED: 5/18/09  
 BORING COMPLETED: 5/18/09  
 LOGGED BY: SPE  
 BORING METHOD: HSA


MSET PROJECT NO.: 89221		LOG OF BORING NO. B-2		Page 3 of 3						
PROJECT: Kreutzer Road Extension		SITE LOCATION: Huntley, Illinois								
BORING LOCATION: Sta. 18+10; 25' R of CL		CLIENT: Civiltech Engineering, Inc.								
DEPTH (feet)	SOIL TYPE	MATERIAL DESCRIPTION	Elevation	SAMPLE		TESTS			REMARKS	
				TYPE/ INTERVAL	No.	A-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf		Unclassified Compressive Strength, tsf
		Continued	828.2							
		Grey SAND (f-c) and GRAVEL, medium dense, A-1								
		Grey Silt LOAM to SILT, dense to medium dense, A-4	826.4	SS	15	41	20	-	-	
45				SS	16A	21	22	-	-	
		Grey SAND (f-c) and GRAVEL, dense, A-1	818.7	SS	17	38	10	-	-	
50				SS	18	35	13	-	-	
55										
60		End of Boring @ 60.0'	808.2							


**WATER LEVEL OBSERVATIONS, ft.**  
 During Drilling: 5.5'  
 Immediately After Drilling: 5.9'  
 Delayed Reading After - Days: -



BORING STARTED: 5/18/09  
 BORING COMPLETED: 5/18/09  
 LOGGED BY: SPE  
 BORING METHOD: HSA

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MSET PROJECT NO.: 89221		LOG OF BORING NO. B-3		Page 1 of 2					
PROJECT: Kreutzer Road Extension		SITE LOCATION: Huntley, Illinois							
BORING LOCATION: Sta. 19+25; 25' R of CL		CLIENT: Civiltech Engineering, Inc.							
DEPTH (feet)	SOIL TYPE	MATERIAL DESCRIPTION	Elevation	SAMPLE		TESTS		REMARKS	
				TYPE/INTERVAL	No.	N-VALUE Blows per ft.	Wc%		Dry Unit Weight, pcf
		Ground Surface	868.2						
		Brown and Black Silty Clay LOAM, slightly dense, A-6: FILL		SS	1	9	17	-	2.0 Qp
5		Black Clay LOAM, A-6: FILL		SS	2	4	26	-	0.58
		Grey SAND (f-c), some Silt, loose, A-3	862.2	SS	3	3	21	-	-
		Grey Silt LOAM, A-4, interbedded Sand seams throughout, slightly dense	860.2	SS	4	7	18	-	-
10				SS	5	4	23	-	0.81
15				SS	6	7	21	-	1.43
				SS	7	9	20	-	0.70
20		Grey SAND (f-c) and GRAVEL, medium dense, A-2 to A-1	849.7	SS	8	11	12	-	-
		continued	848.2						
<b>WATER LEVEL OBSERVATIONS, ft.</b> During Drilling: $\nabla$ 5.5' Immediately After Drilling: $\nabla$ 5.2' Delayed Reading After - Days: -				 <b>MSET</b> <small>WWW.MSETINC.COM</small>		BORING STARTED: 5/18/09 BORING COMPLETED: 5/18/09 LOGGED BY: SPE BORING METHOD: HSA			

MSET PROJECT NO.: 89221		LOG OF BORING NO. B-3		Page 2 of 2					
PROJECT: Kreutzer Road Extension		SITE LOCATION: Huntley, Illinois							
BORING LOCATION: Sta. 19+25; 25' R of CL		CLIENT: Civiltech Engineering, Inc.							
DEPTH (feet)	SOIL TYPE	MATERIAL DESCRIPTION	Elevation	SAMPLE		TESTS		REMARKS	
				TYPE/INTERVAL	No.	N-VALUE Blows per ft.	Wc%		Dry Unit Weight, pcf
		Continued	848.2						
		Grey SAND (f-c) and GRAVEL, medium dense, A-1		SS	9	11	11	-	-
25				SS	10	12	14	-	-
				SS	11	16	13	-	-
30				SS	12	20	7	-	-
		End of Boring @ 10.0'	838.2						
<b>WATER LEVEL OBSERVATIONS, ft.</b> During Drilling: $\nabla$ 5.5' Immediately After Drilling: $\nabla$ 5.2' Delayed Reading After - Days: -				 <b>MSET</b> <small>WWW.MSETINC.COM</small>		BORING STARTED: 5/18/09 BORING COMPLETED: 5/18/09 LOGGED BY: SPE BORING METHOD: HSA			

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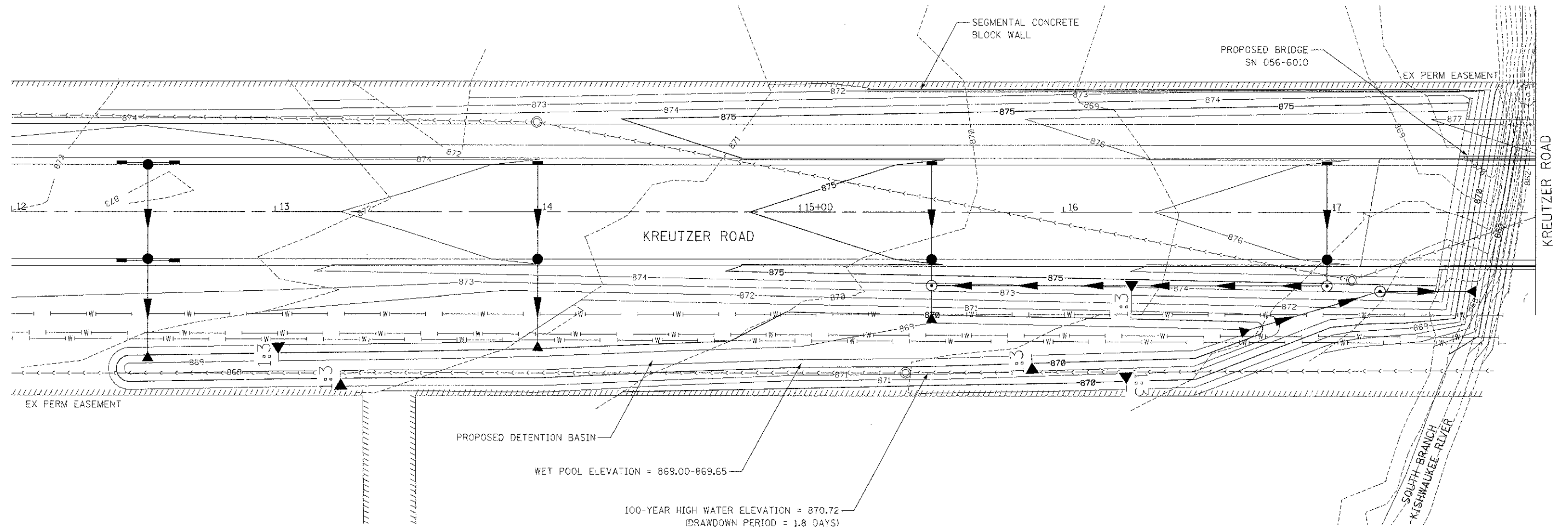
450 E Devon Ave, Suite 300  
 Itasca, Illinois 60143  
 Tel: 630.773.3900 Fax: 630.773.3976  
 www.civiltechinc.com

DRAWN - K. BOCHNOWSKI	REVISED -
DESIGNED - M. LANGE	REVISED -
CHECKED - G. HATLESTAD	REVISED -
DATE - 10/22/12	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BORING LOGS II  
 KREUTZER ROAD RETAINING WALL**  
 SHEET NO. W5 OF W5 SHEETS

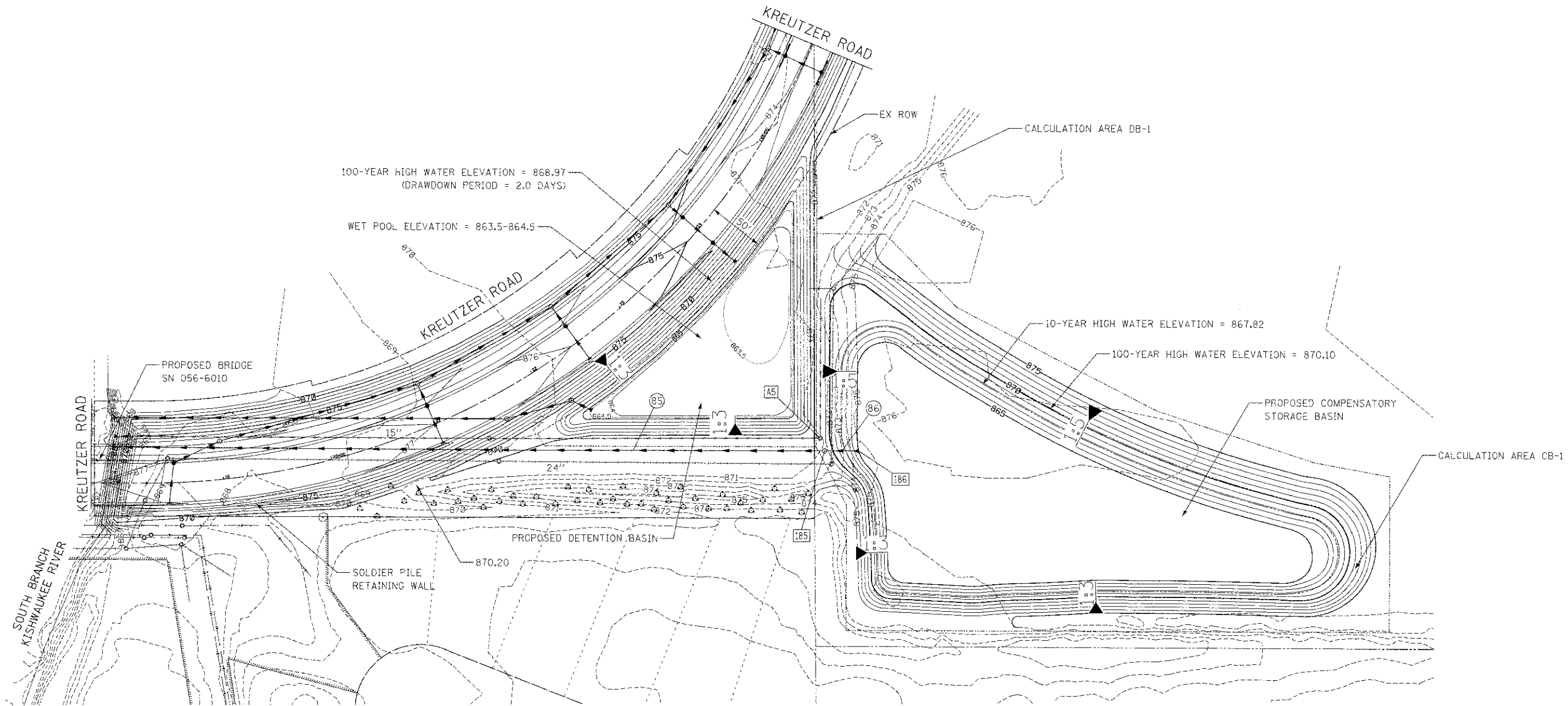
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CONTRACT NO. 63743				
ILLINOIS FED. AID PROJECT				



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	PLOT DATE = 10/18/2012	DATE - 10/22/12	REVISED -									
CONTRACT NO. 63743												



- 185 STA. 23+41, 222.0' RT  
MAN TA 4 DIA TIF CL  
RJM = 871.00  
INV = 864.95 (N)  
INV = 864.95 (S)
- 186 STA. 23+63, 236.0' RT  
PRC FLAR END SEC 24  
GRATING-C FL END S 24  
INV = 865.00
- A5 STA. 23+45, 211.1' RT  
EX MANHOLE  
INV = 865.10 EX (N)  
INV = 865.20 EX (E)
- 85 296' - STORM SEW CL A 2, 24" @ 0.19%  
TBF = 0.0 CU YD
- 86 24' - STORM SEW CL A 2, 24" @ 0.21%  
TBF = 0.0 CU YD



**LEGEND**

EXISTING INDEX CONTOUR	---875---
EXISTING INTERMEDIATE CONTOUR	-----
PROPOSED INDEX CONTOUR	---865---
PROPOSED INTERMEDIATE CONTOUR	-----



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DESIGNED - BAS  
DRAWN - BAS  
CHECKED - GAB  
DATE - 10/22/12

REVISOR -  
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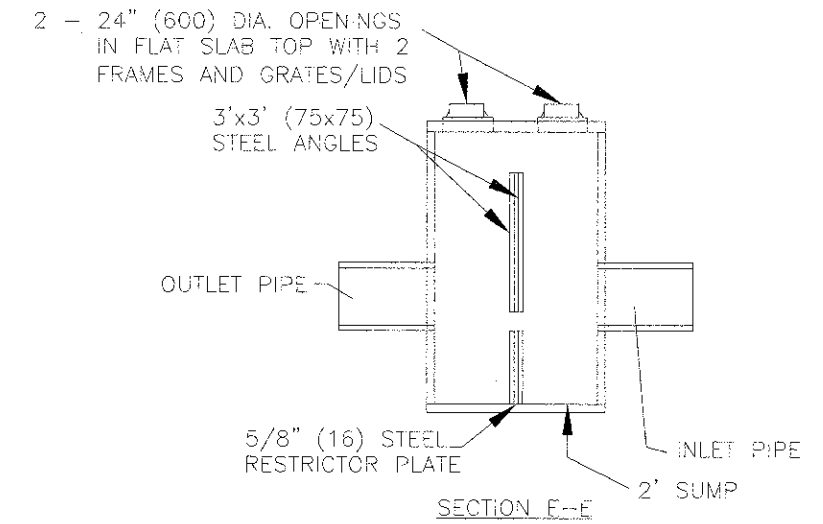
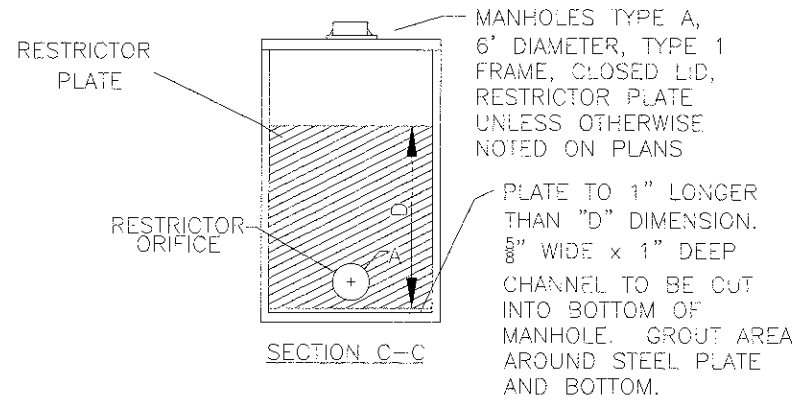
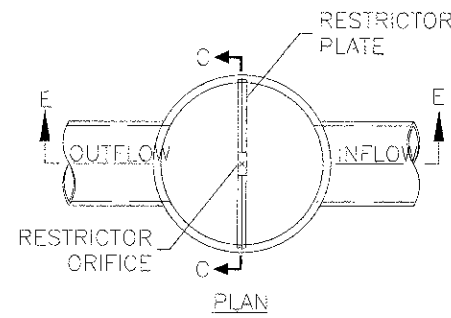
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOUTH COMPENSATORY AND DETENTION STORAGE DETAIL**

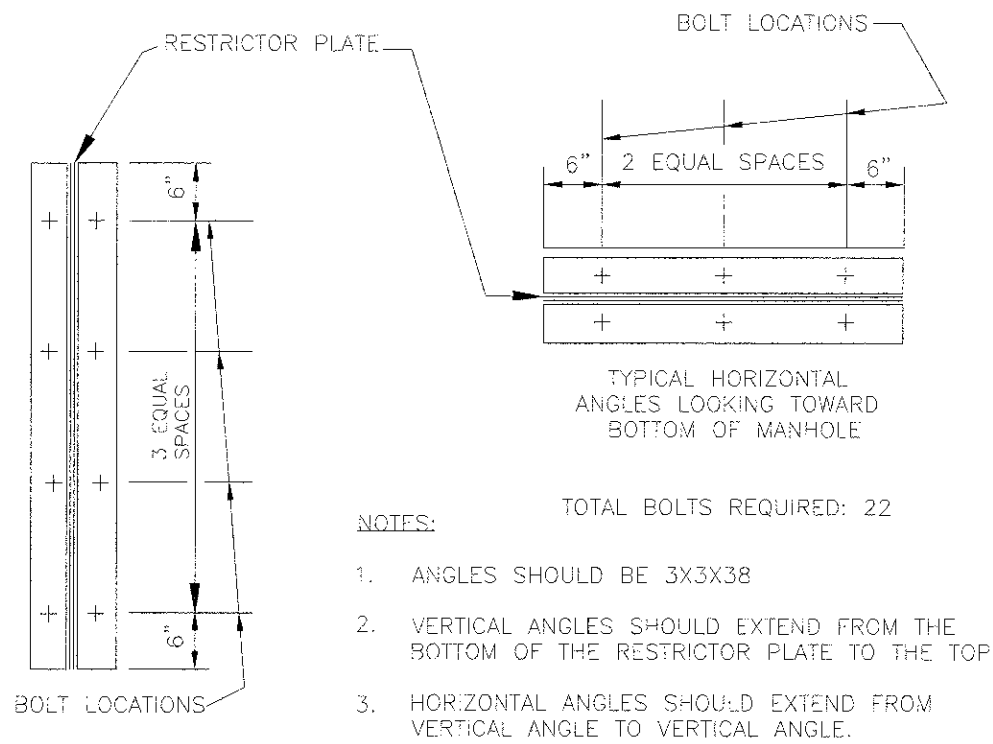
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS, NO.
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FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743
FED. AID PROJECT XXX-----			

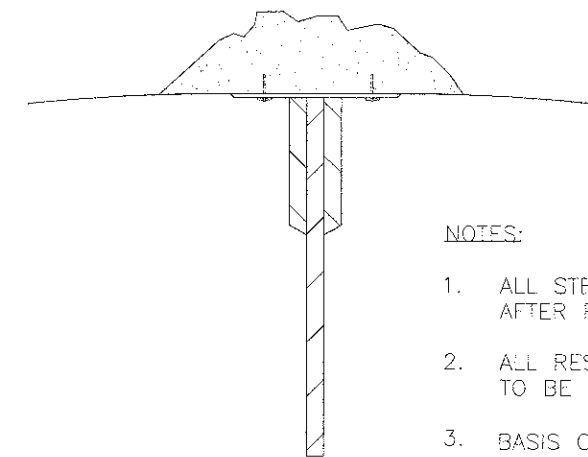
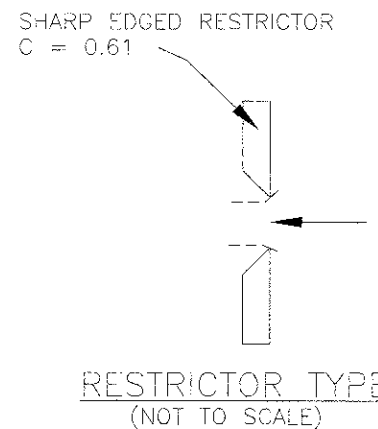
STRUCTURE	DIAMETER "A"	INVERT "A"	DIMENSION "D"	TOP OF RESTRICTOR PLATE ELEV.
114B	5.4"	869.65'	3.05'	870.79'
128A	7.4"	864.47'	4.53'	869.00'
181	32"	865.23'	5.06'	881.64'



**DRAINAGE STRUCTURE RESTRICTORS**  
(NOT TO SCALE)



**STEEL ANGLE BOLTING DETAILS**  
(NOT TO SCALE)

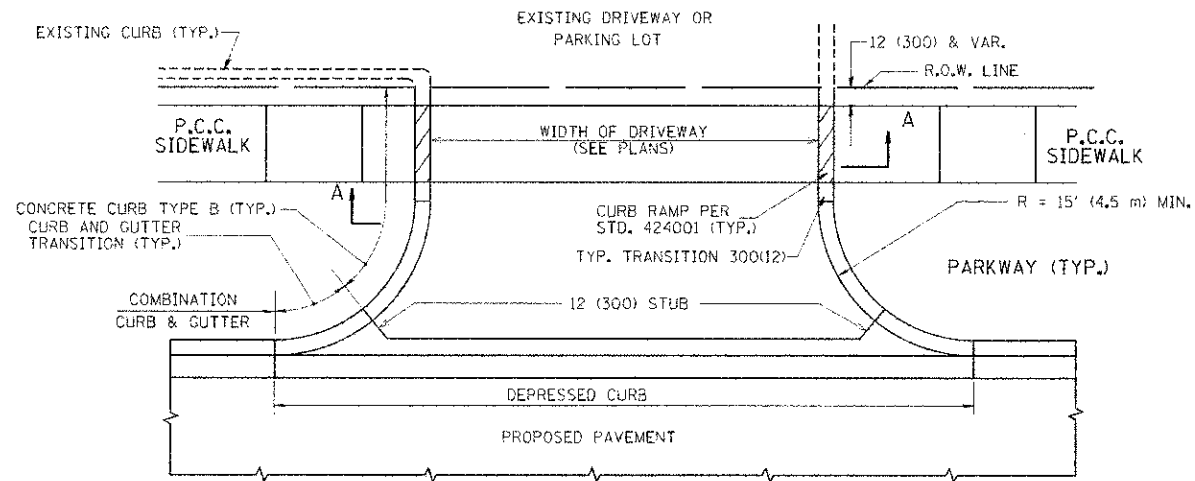


**ANGLE FASTENER DETAIL**  
(NOT TO SCALE)

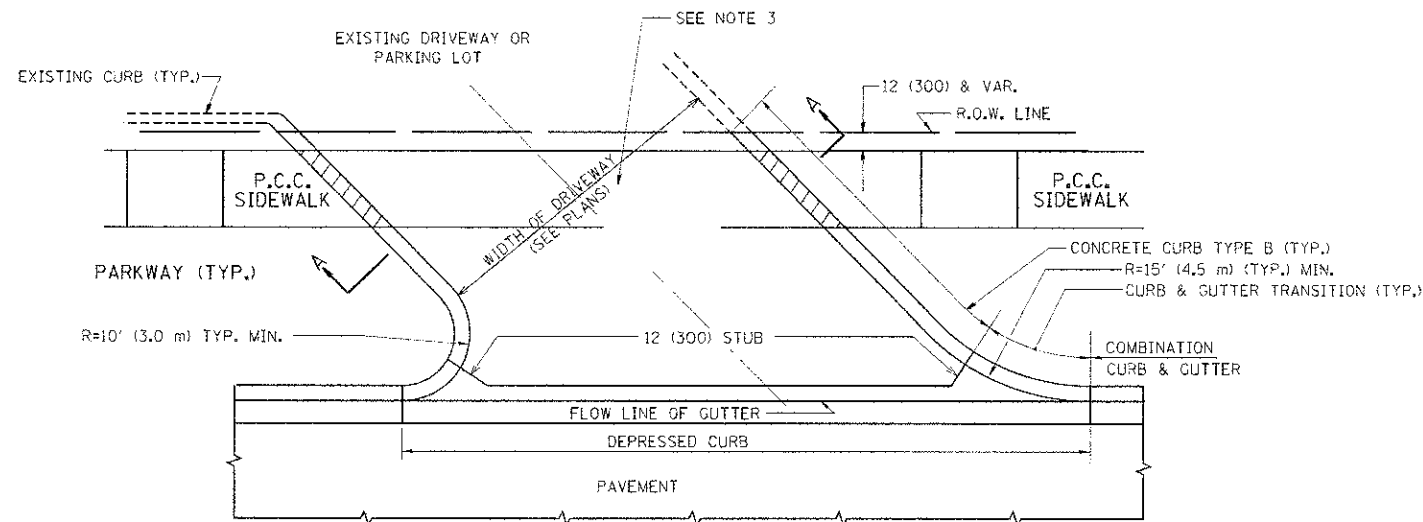
**NOTES:**

- ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
- ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
- BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH

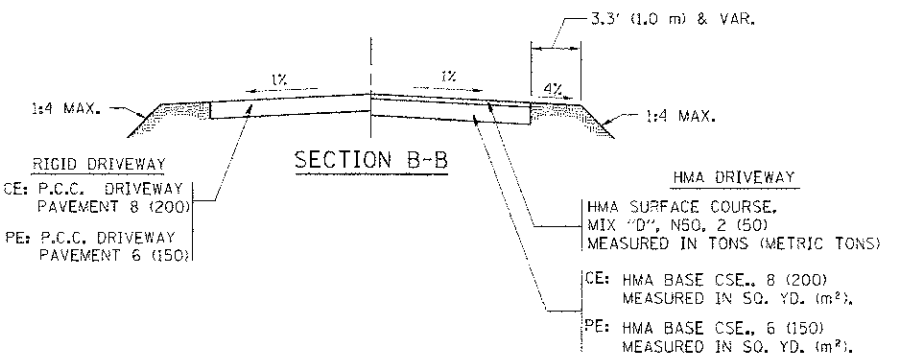
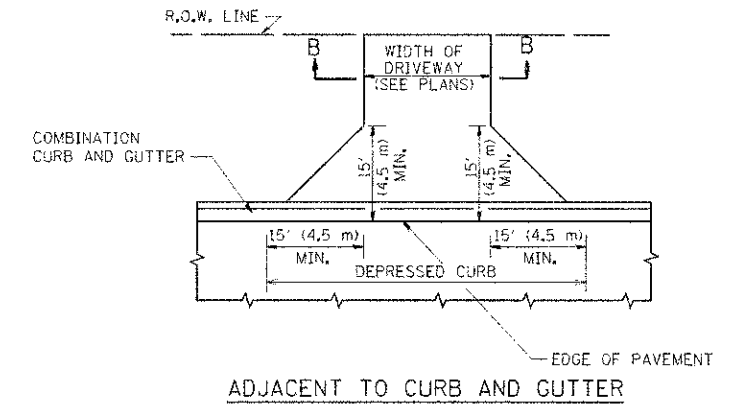
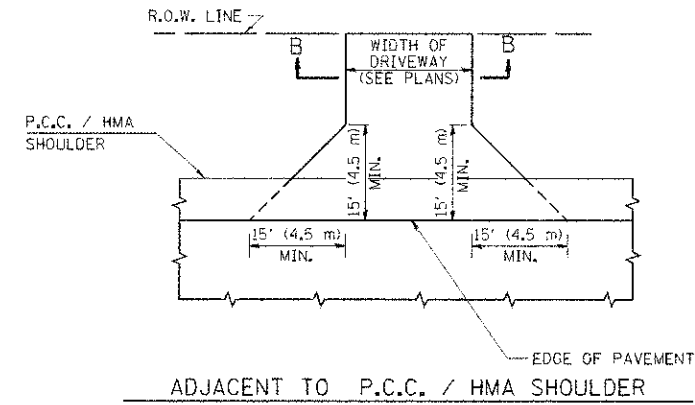
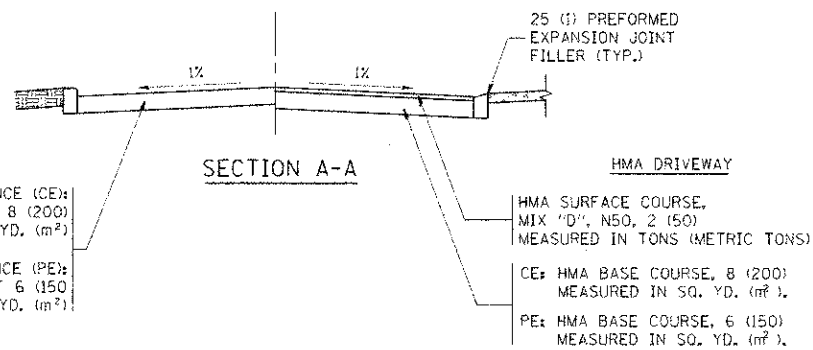
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PLOT SCALE = 1/8" = 1' / in.	CHECKED - GAB	REVISIED -	REVISIED -			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT XXX
PLOT DATE = 10/18/2012	DATE = 10/22/12	REVISIED -	REVISIED -								



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME =	USER NAME = lsh	DESIGNED - R. SHAH	REVISED - P. LOFLUER 04-15-03
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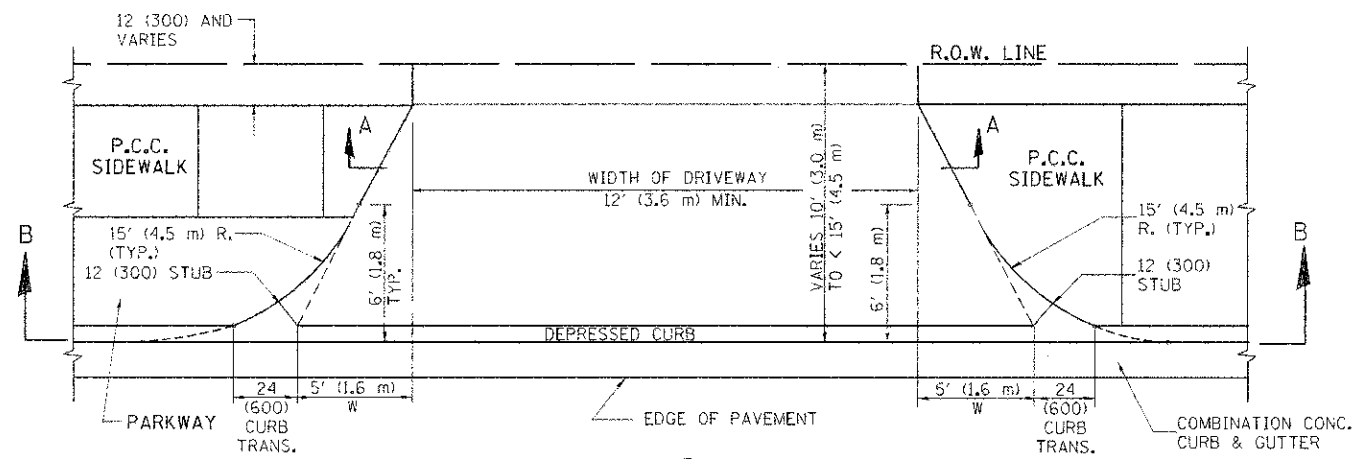
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.  
AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)

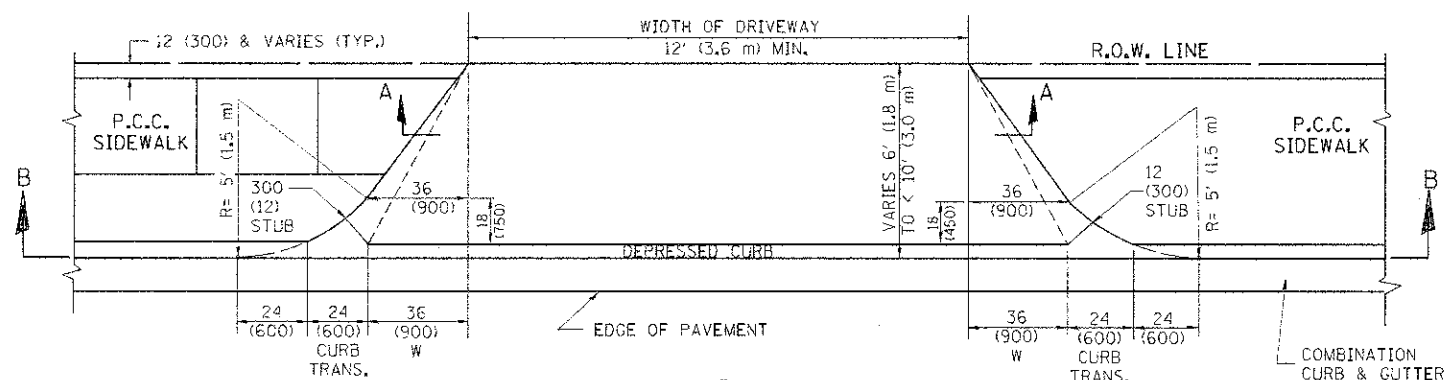
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F.A.U. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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8D0156-07 (BD-01)			CONTRACT NO. 63743	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

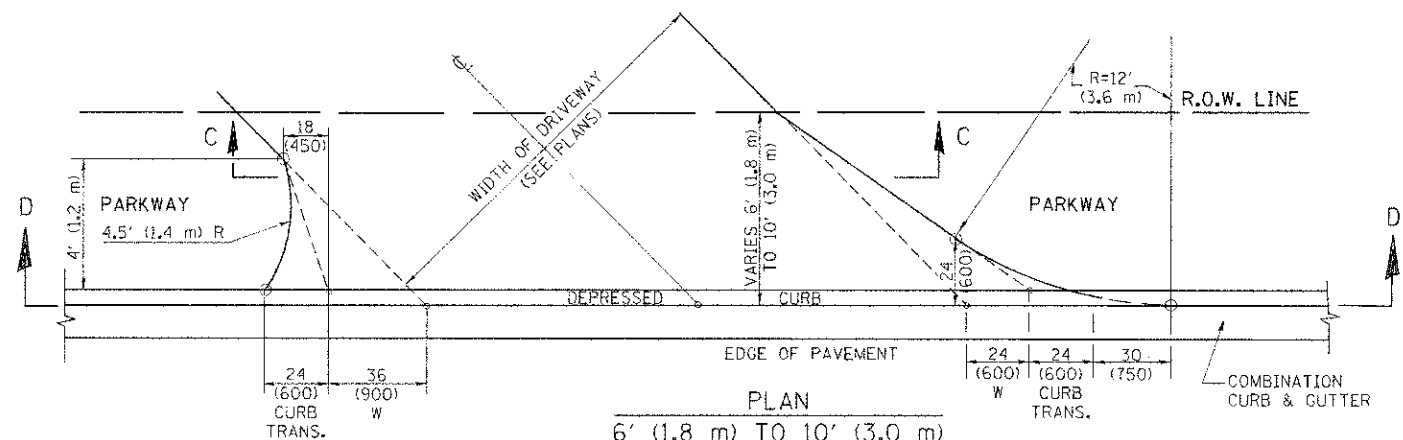




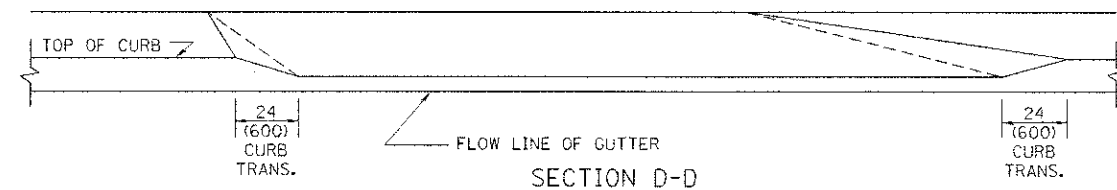
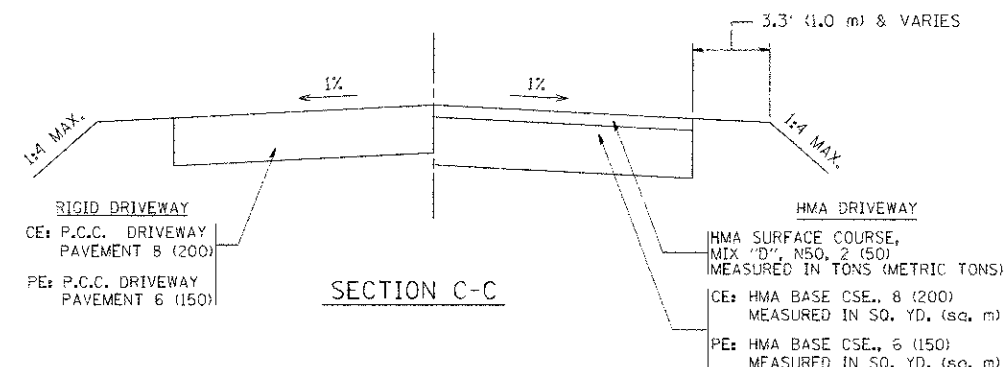
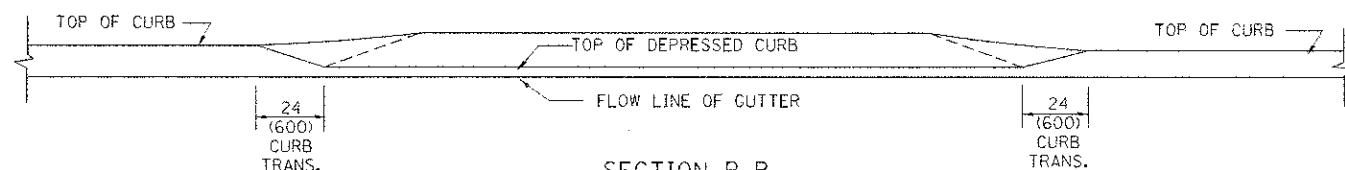
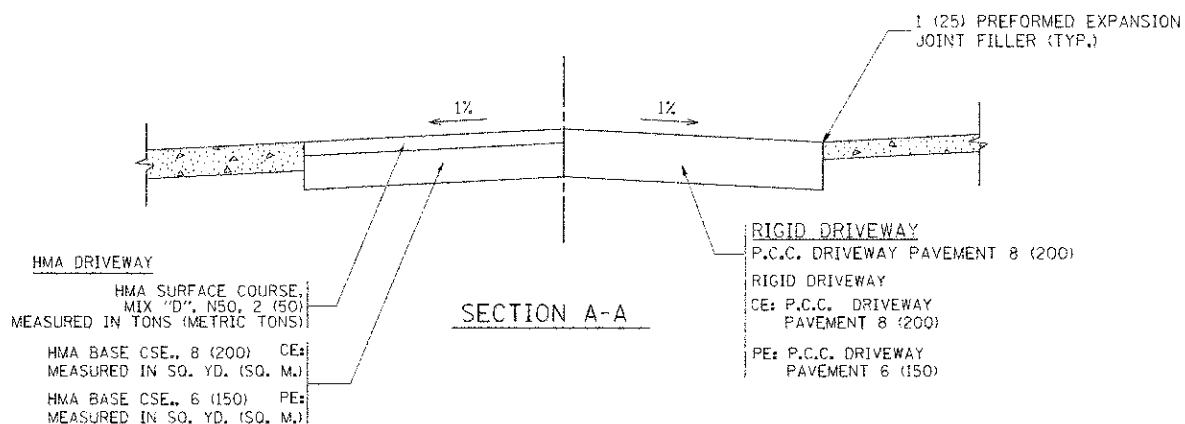
PLAN  
10' (3.0 m) TO < 15' (4.5 m)



PLAN  
6' (1.8 m) TO < 10' (3.0 m)



PLAN  
6' (1.8 m) TO 10' (3.0 m)



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS, SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = lqusa	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
		DRAWN -	REVISED - F. LOFLEUR 04-15-03
		CHECKED -	REVISED - R. BORD 01-01-07
		DATE - 11-06-95	REVISED - R. BORD 09-06-11

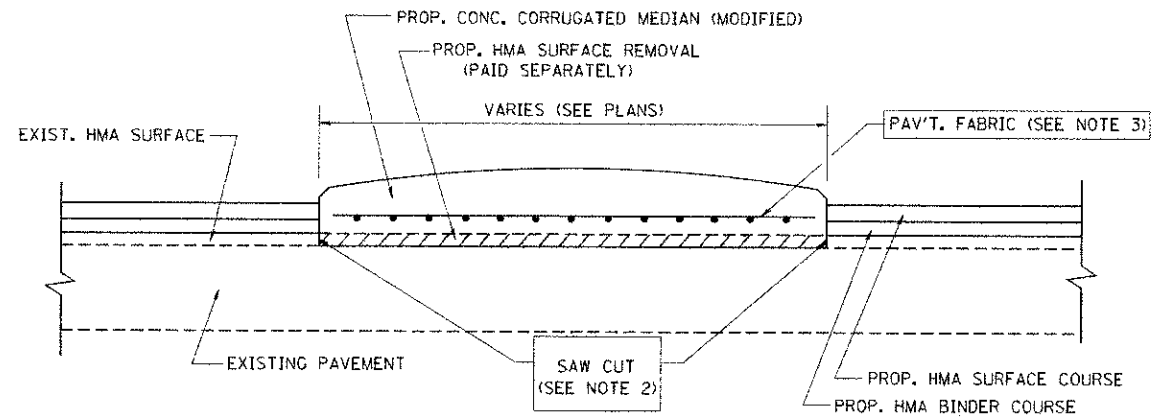
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS

DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

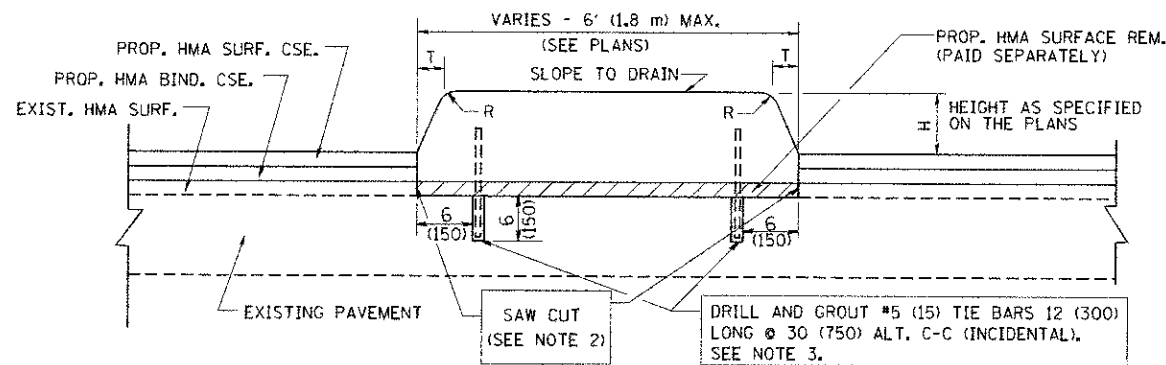
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	116
BD400-02 (BD-02)			CONTRACT NO. 63743	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- NOTES:
1. CORRUGATED MEDIAN (MODIFIED) SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 606 OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE PORTIONS OF STATE STANDARD 606306.
  2. WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY DELETE THE SAW CUT IF A NEAT JOINT CAN BE OBTAINED BY MILLING THE HMA SURFACE TO BE REMOVED. SAW CUT WILL BE INCLUDED IN THE COST OF CORRUGATED MEDIAN (MODIFIED)
  3. PAVEMENT FABRIC WILL BE INCLUDED IN THE COST OF CORRUGATED MEDIAN (MODIFIED)

### DETAILS FOR CORRUGATED MEDIAN (MODIFIED)

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT (SQUARE METER) FOR "CORRUGATED MEDIAN (MODIFIED)"



H	R	T
6(150)	1(25)	1(25)
9(225)	1(25)	2(50)

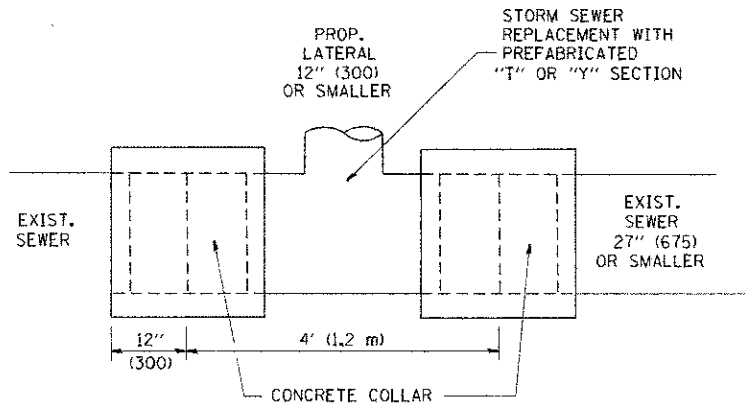
- NOTES:
1. CONCRETE MEDIAN TYPE SB (DOWELLED) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF STATE STANDARD 606301 AND SECTION 606 OF THE STANDARD SPECIFICATIONS.
  2. WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY DELETE THE SAW CUT IF A NEAT JOINT CAN BE OBTAINED BY MILLING THE HMA SURFACE TO BE REMOVED. SAW CUT WILL BE INCLUDED IN THE COST OF "CONCRETE MEDIAN TYPE SB (DOWELLED)"
  3. FOR MEDIAN WIDTH LESS THAN 4' (1.2 m) USE ONE ROW OF #5 (15) BARS @ 30 (750) C-C ALONG THE MEDIAN CENTERLINE. TIE BARS WILL BE INCLUDED IN THE COST OF "CONCRETE MEDIAN TYPE SB (DOWELLED)"

### DETAILS FOR CONCRETE MEDIAN TYPE SB (DOWELLED)

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT (SQUARE METER) FOR "CONCRETE MEDIAN TYPE SB (DOWELLED)"

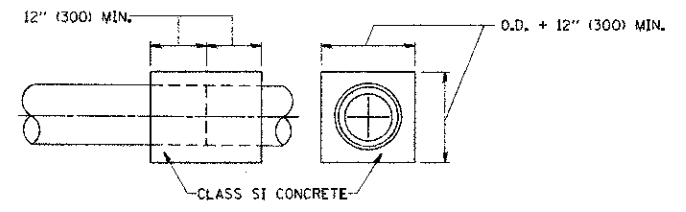
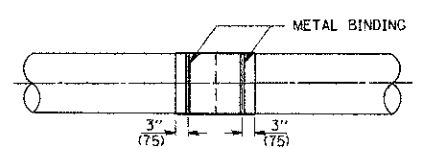
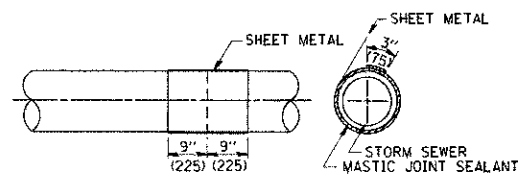
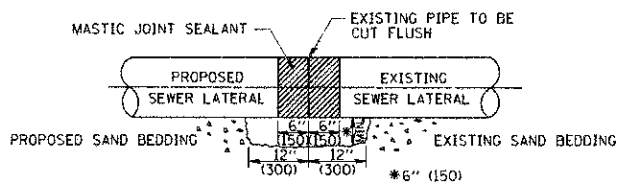
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22\34\b085.dgn	USER NAME = geglencobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS FOR CONCRETE MEDIAN TYPE SB (DOWELLED) CORRUGATED MEDIAN (MODIFIED)</b>	F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50.0000 1/4 IN.	DRAWN -	REVISED - R. SHAH 10-25-94			4068	07-0031-00-PV	MCHEMRY	167	117	
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - E. GOMEZ 08-28-00			<b>BD600-02 (BD-5)</b>		<b>CONTRACT NO. 63743</b>			
		DATE - 05-14-90	REVISED - R. BORO 01-01-07			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



**DETAIL "A"**

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

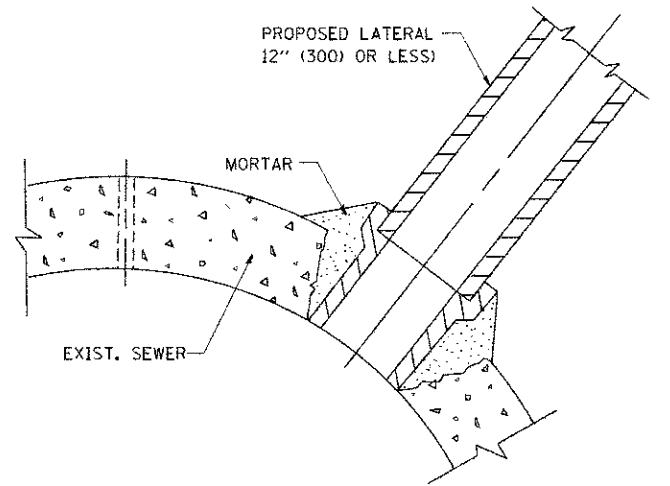


**DETAIL "B"**

CLASS SI CONCRETE COLLAR

**CONSTRUCTION SEQUENCE**

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



**DETAIL "C"**

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

**NOTES**

**MATERIAL**

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

**CONSTRUCTION METHODS**

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:

- A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
- B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

**GENERAL**

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

**BASIS OF PAYMENT**

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\distsstd\22x34\bd07.dgn	USER NAME = geglomabt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER</b>			F.A.U. / RTE. 4068	SECTION 07-0031-00-PV	COUNTY McHENRY	TOTAL SHEETS 167	SHEET NO. 118
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED - R. SHAH 09-09-94		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	<b>BD500-01 (BD-7)</b>				
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - R. SHAH 10-25-94									
		DATE - 07-25-90	REVISED - R. SHAH 06-12-96		CONTRACT NO. 63743 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001

18" (450) MAX.

EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

1/4" (5) \*\*

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

\* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

\*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USJABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

**BASIS OF PAYMENT:**

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

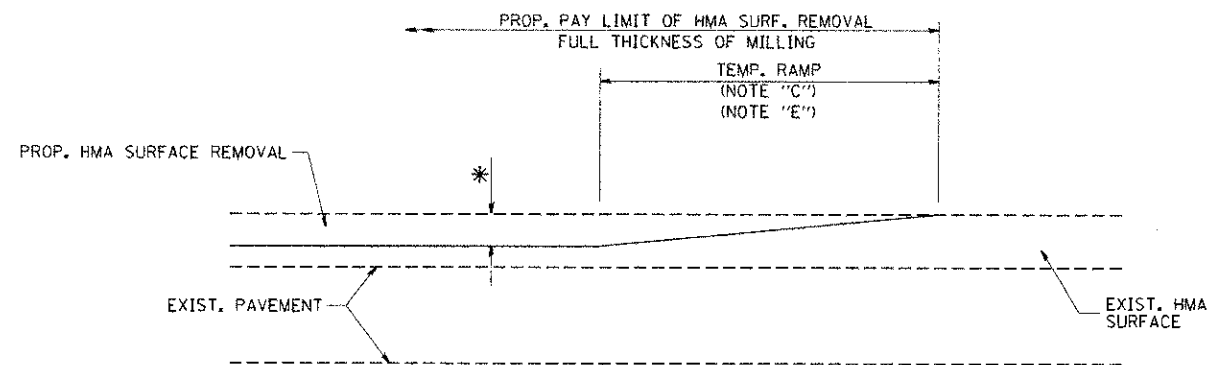
⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

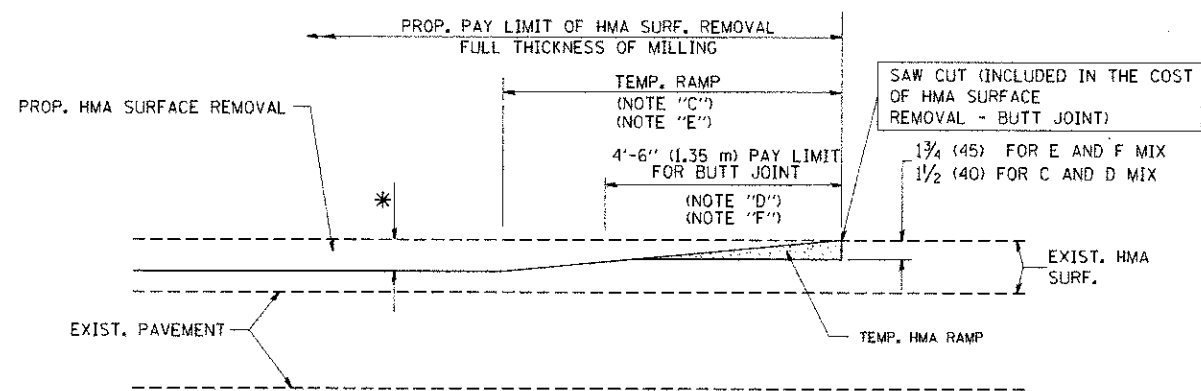
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME -	USER NAME -	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A.U. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
4068	07-0031-00-PV	McHENRY	167			119						
SCALE: NONE						SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
PLN. SCALE -	CHECKED -	DATE -	REVISED -									
PLT. DATE -												



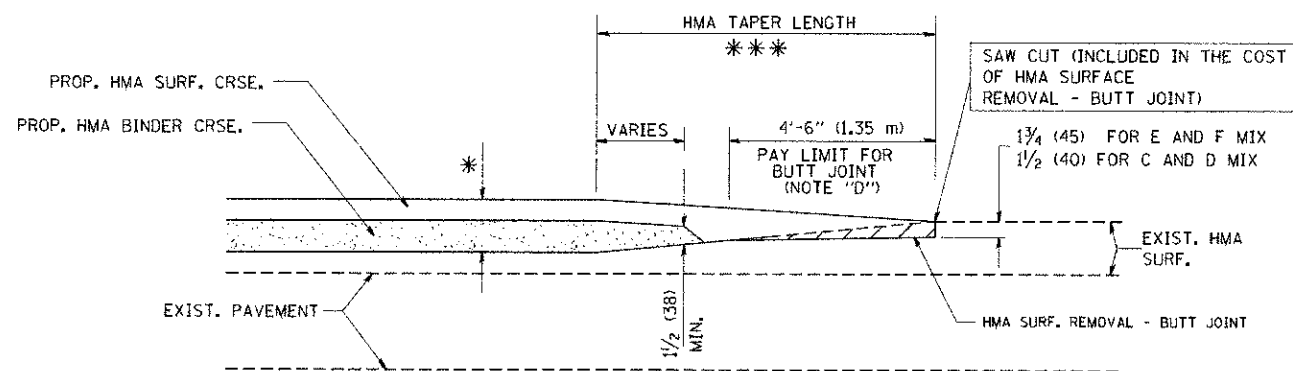
MILLED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

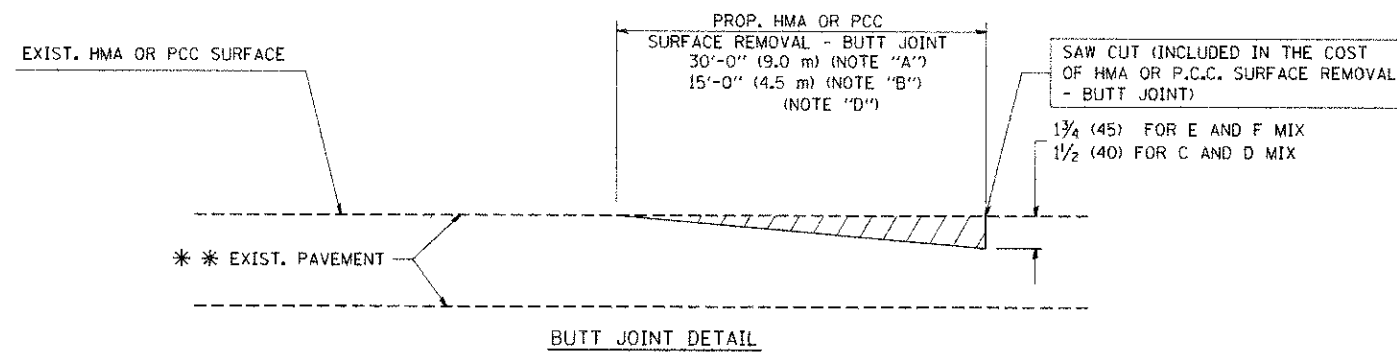


HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

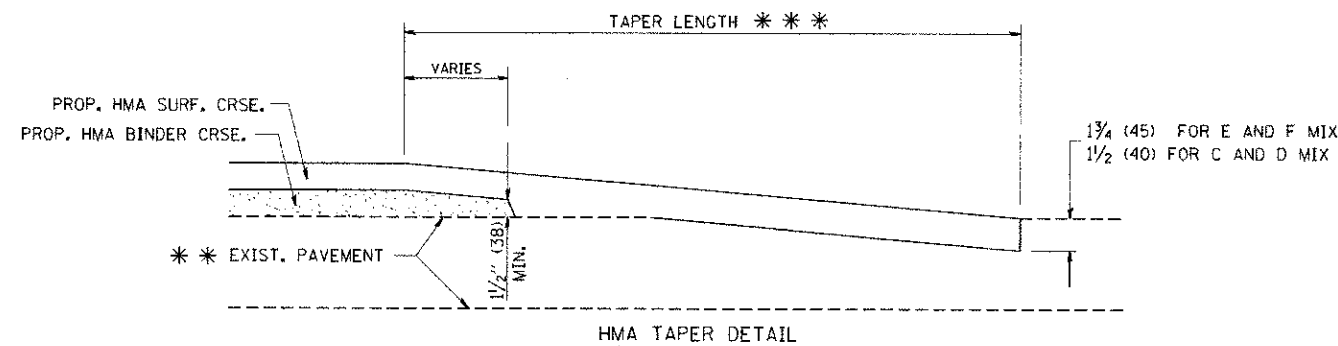
**OPTION 2**  
**TYPICAL TEMPORARY RAMP**



BUTT JOINT AND HMA TAPER  
**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**



BUTT JOINT DETAIL



HMA TAPER DETAIL

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

**NOTES**

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - B: MINOR SIDE ROADS.
  - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
  - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
  - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT:**

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\distrtd\22x34\bd32.dgn

USER NAME = gajlonobt  
PLCT SCALE = 50.0000' / IN.  
PLOT DATE = 1/4/2008

DESIGNED - M. DE YONG  
DRAWN -  
CHECKED -  
DATE - 06-13-90

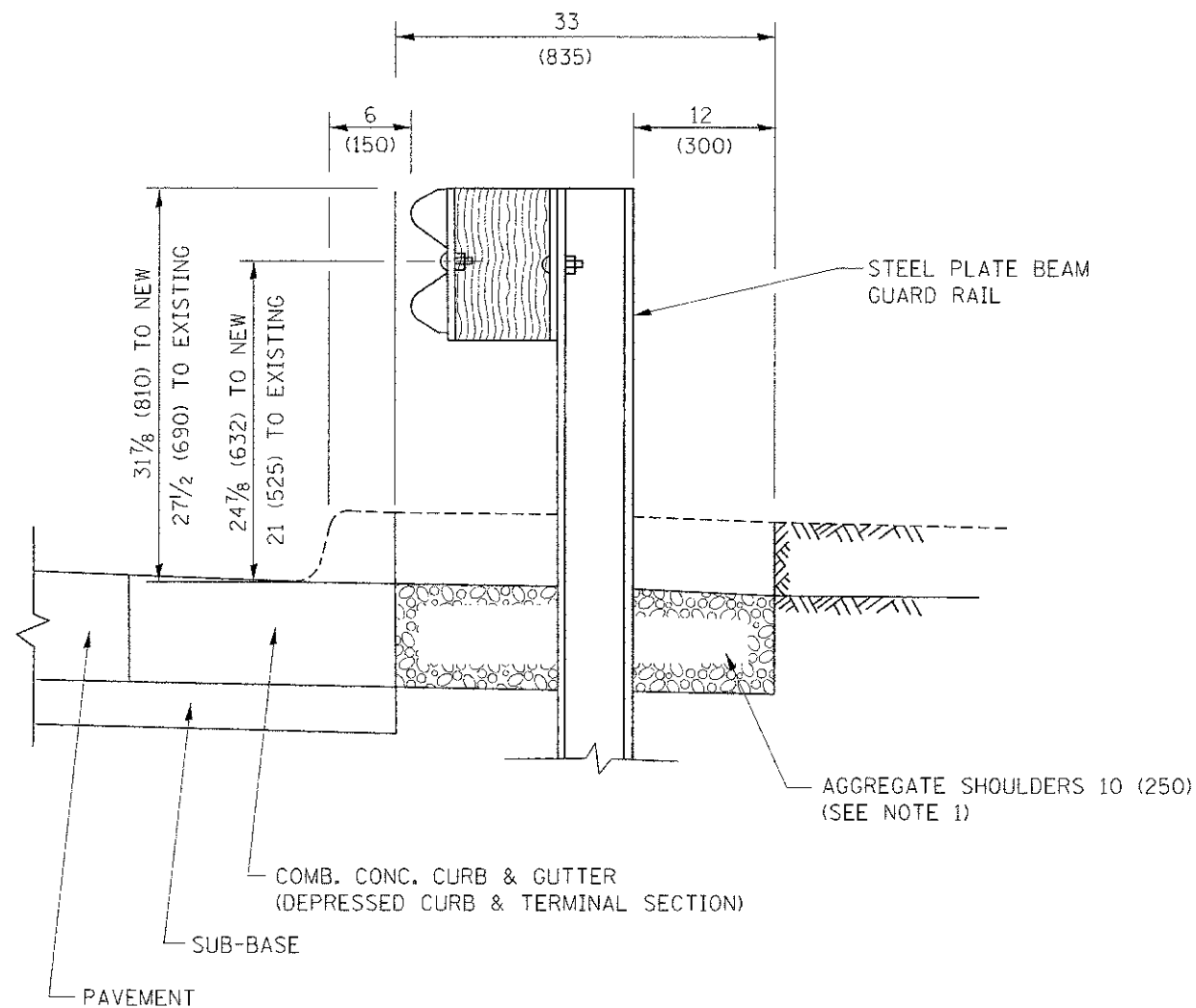
REVISED - R. SHAH 10-25-94  
REVISED - A. ABBAS 03-21-97  
REVISED - M. GOMEZ 04-06-01  
REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	120
BD400-05 BD32			CONTRACT NO. 63743	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

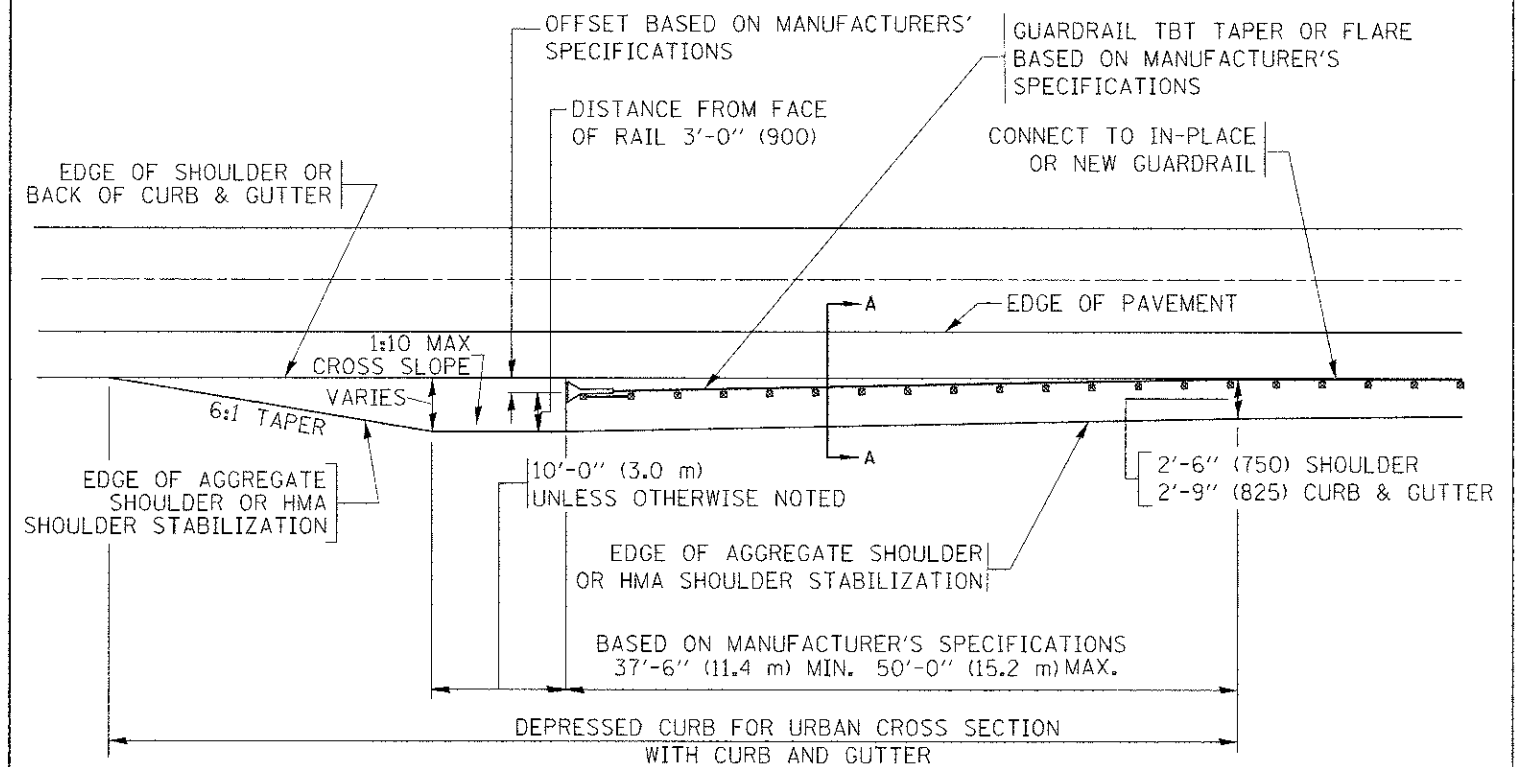


SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
  2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
  3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM  
GUARD RAIL ADJACENT TO CURB AND GUTTER**

[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]



**DEPRESSED CURB AND GUTTER AND  
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL  
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN.

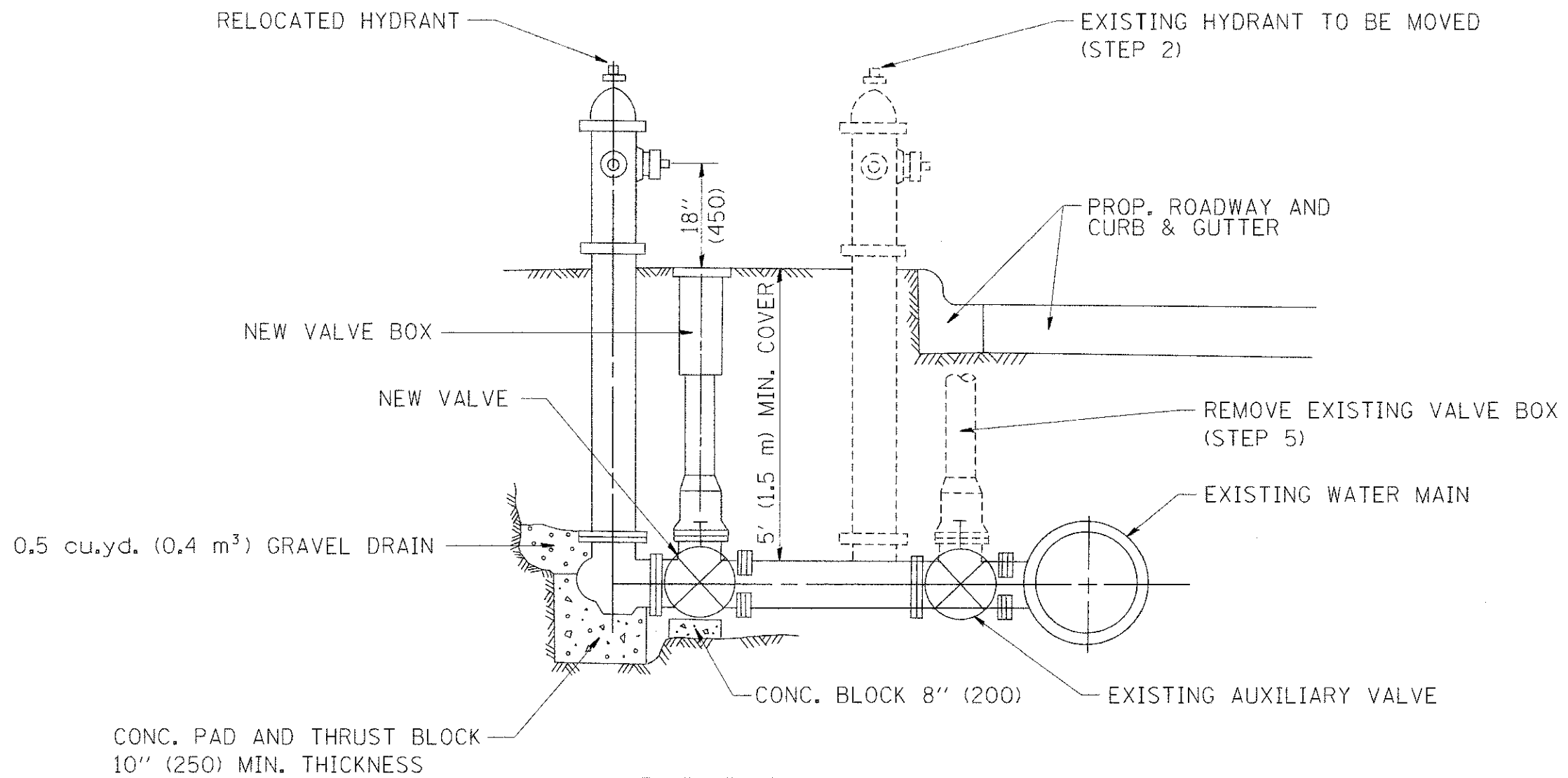
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	PLGT DATE = 9/4/2012	DATE - 09-22-90	REVISED - R. BORO 08-06-2012

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS FOR DEPRESSED CURB & GUTTER AND  
SHOULDER TREATMENT AT TBT TY 1 SPL.

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	121
BD600-10 (BD 34)			CONTRACT NO. 63743	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

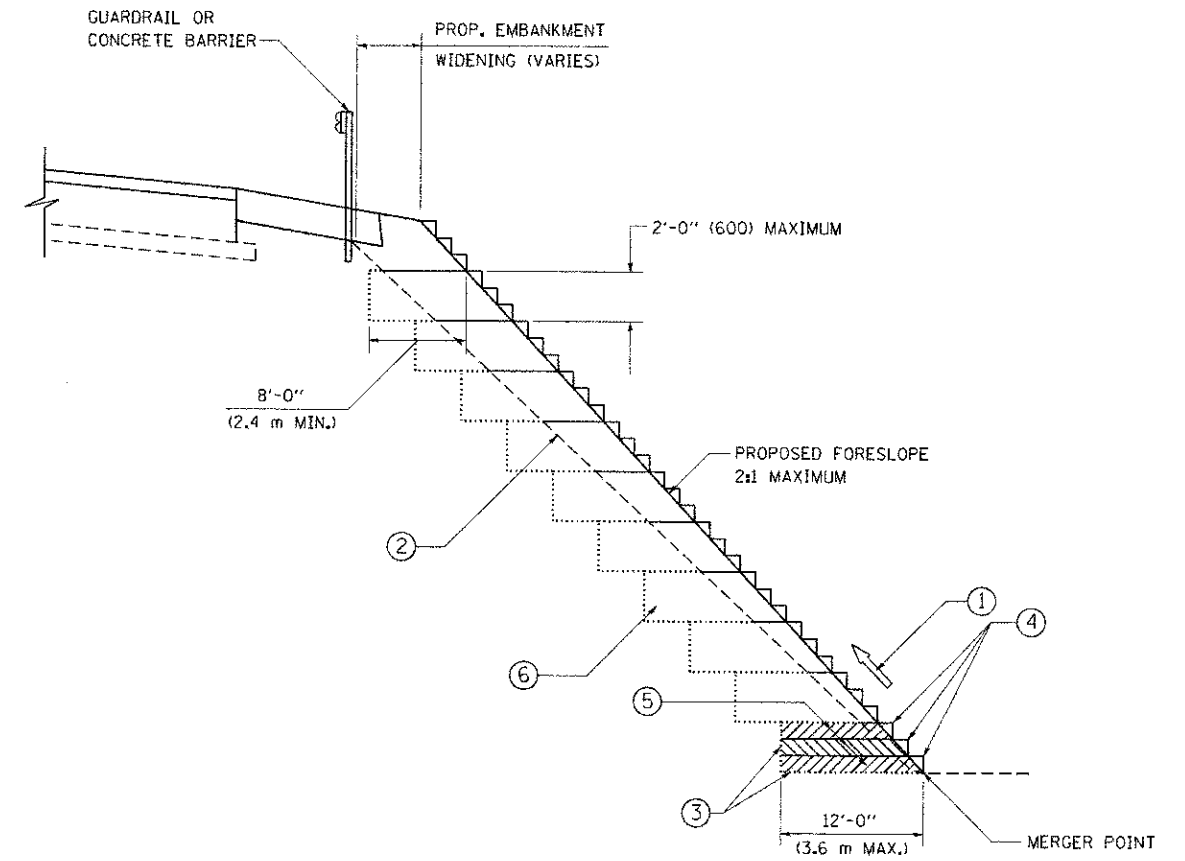
ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\dist\td\22x34\bd36.dgn	USER NAME = goglierobt	DESIGNED -	REVISED - R. SHAH 09-09-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FIRE HYDRANT TO BE MOVED</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLLOT SCALE = 50.0000 / / IN.	CHECKED -	REVISED -					4068	07-0031-00-PV	McHENRY	167	122
	PLLOT DATE = 1/4/2008	DATE -	REVISED -			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	<b>BD-36</b>		<b>CONTRACT NO. 63743</b>
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT												





**TYPICAL BENCHING DETAIL  
FOR EMBANKMENT**

**NOTES:**

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

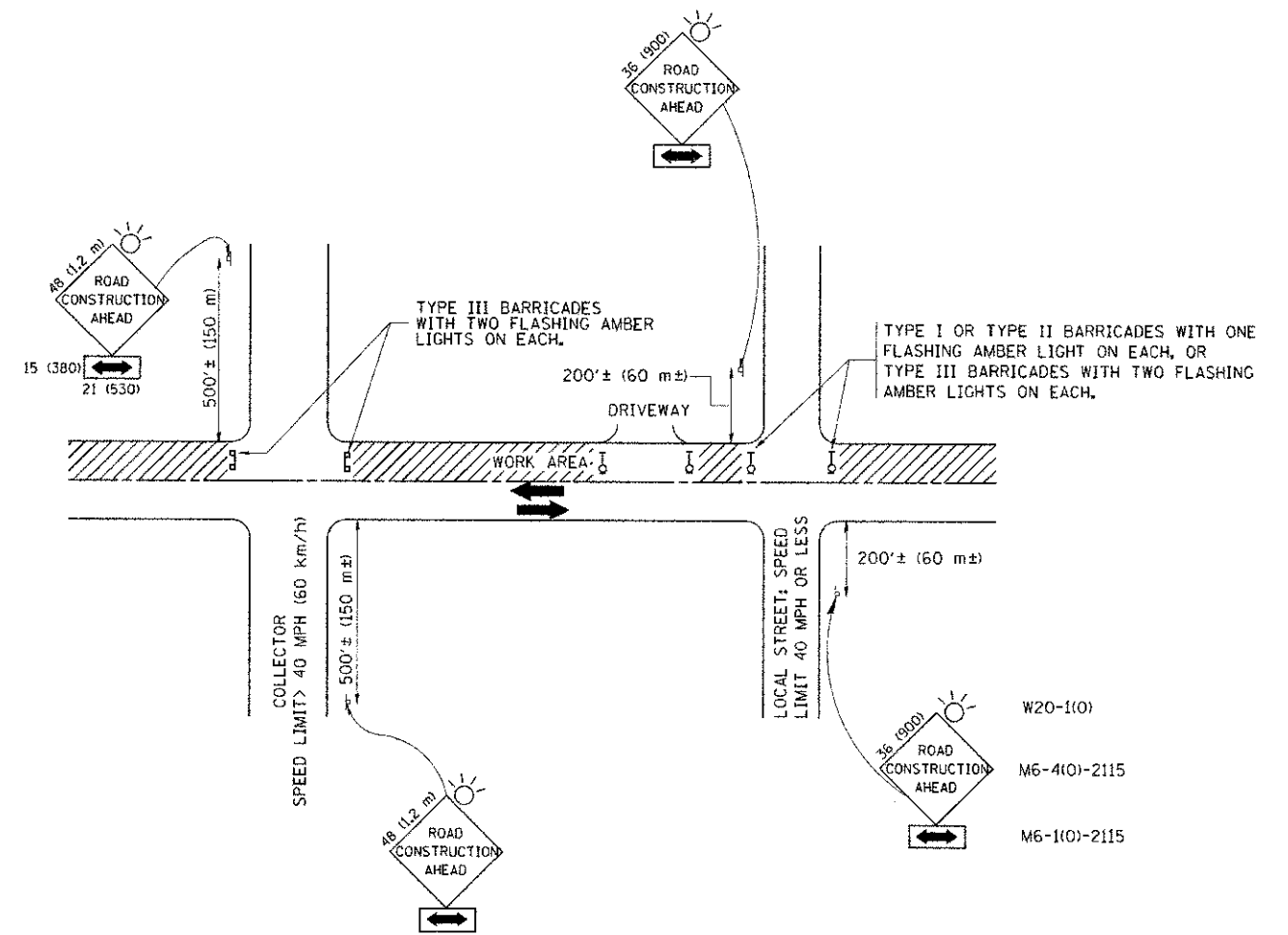
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = w:\dststd\22x34\bd51.dgn	USER NAME = gegl1eobt	DESIGNED -	REVISED -
		DRAWN - CADD	REVISED -
		CHECKED - S.E.B.	REVISED -
		DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BENCHING DETAIL FOR EMBANKMENT WIDENING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.J. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	123
<b>BD-51</b>			CONTRACT NO. 63743	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1,2 m x 1,2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

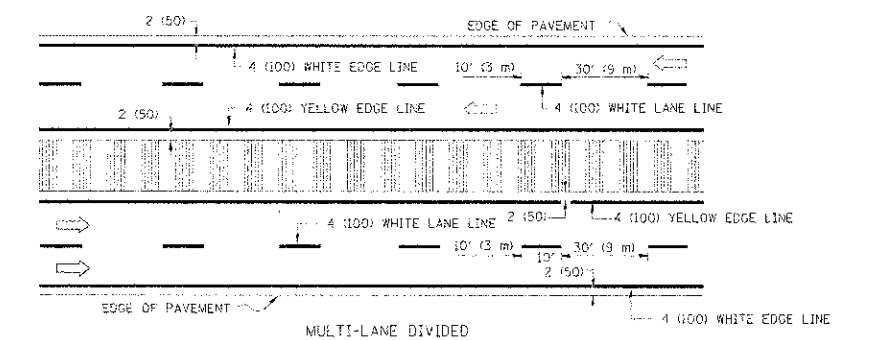
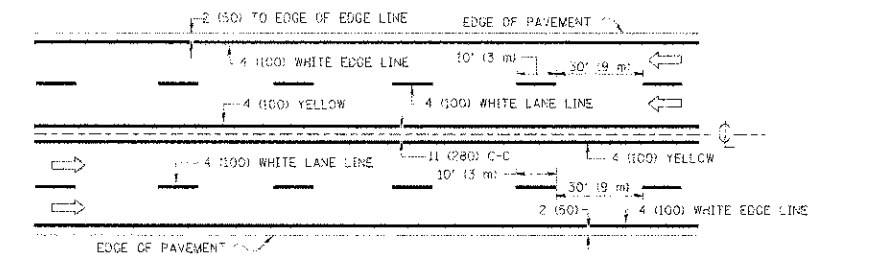
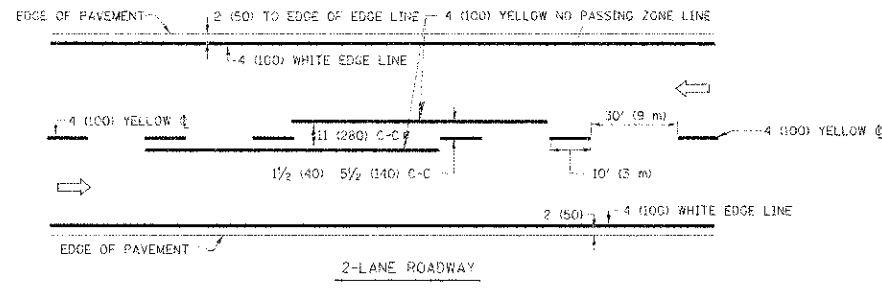
All dimensions are in millimeters (inches) unless otherwise shown.

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		DRAWN -	REVISED - A. HOUSEH 03-06-96
		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

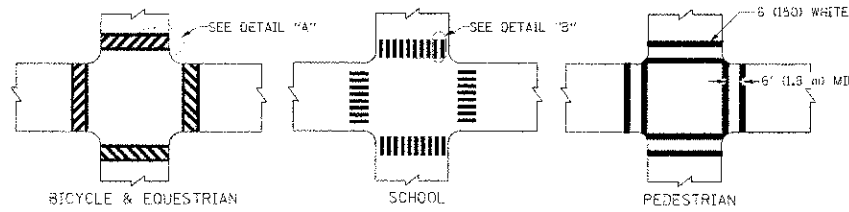
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS		
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	124
TC-10			CONTRACT NO. 63743	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

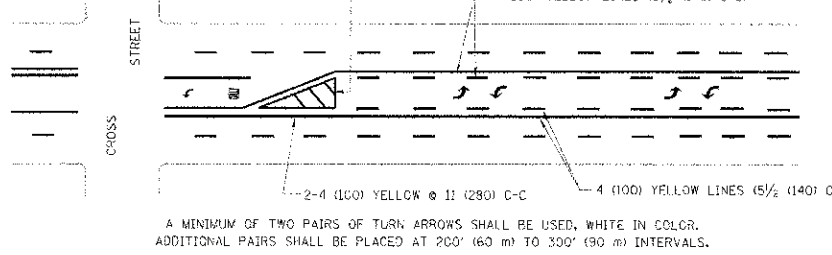
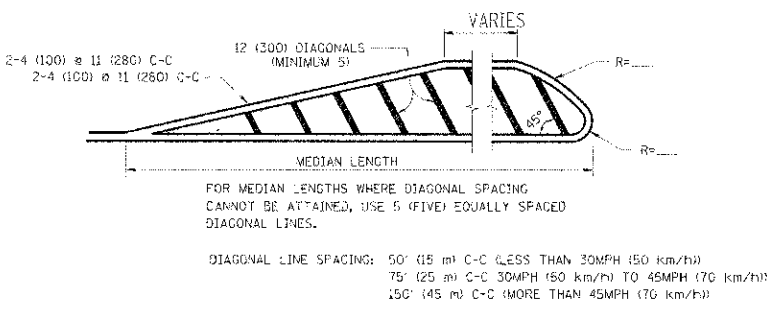
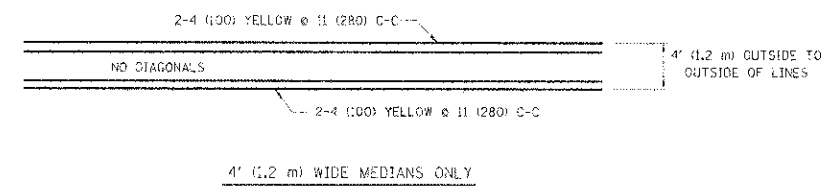


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

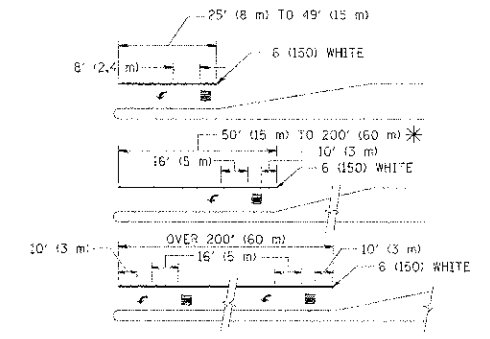
TYPICAL LANE AND EDGE LINE MARKING



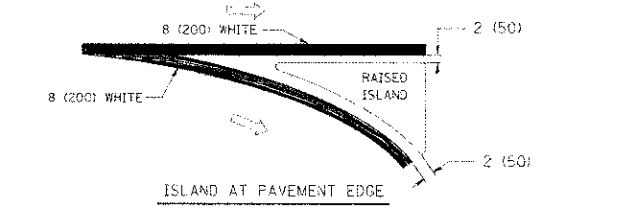
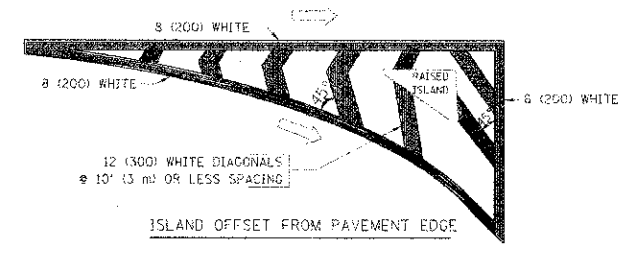
TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING



TYPICAL LEFT (OR RIGHT) TURN LANE MARKING

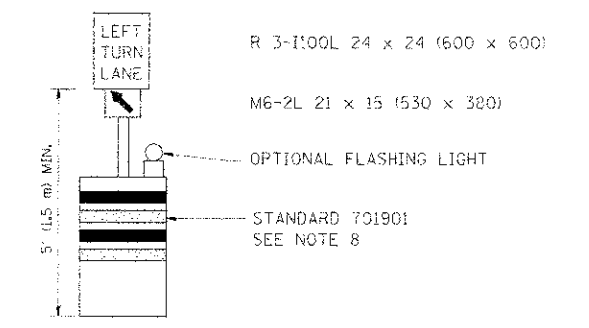
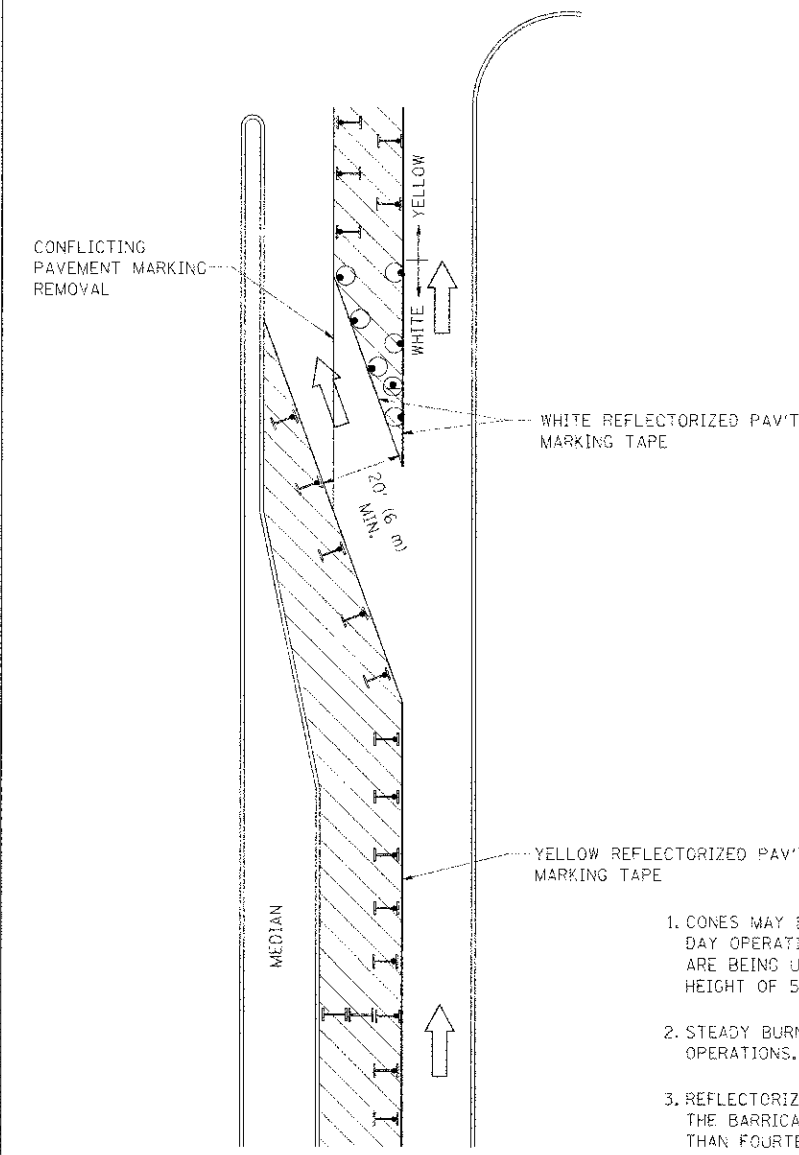


TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100)	SKIP-DASH	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
LANE LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	4 (100)	SKIP-DASH	WHITE	5 (125) ON FREEWAYS
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' x 2.4m)	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN)	2 @ 6 (150)	SOLID	WHITE	NOT LESS THAN 6' (1.8 m) APART
A. DIAGONALS (BIKE & EQUESTRIAN)	12 (300) @ 45°	SOLID	WHITE	2' (600) APART
B. LONGITUDINAL BARS (SCHOOL)	12 (300) @ 90°	SOLID	WHITE	SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE. SEE TYPICAL PAINTED MEDIAN MARKING.
	NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS			
GORE MARKING AND CHANNELIZING LINES	6 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (22.5 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

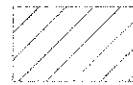







**GENERAL NOTES**

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 PRECUREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

**LEGEND**

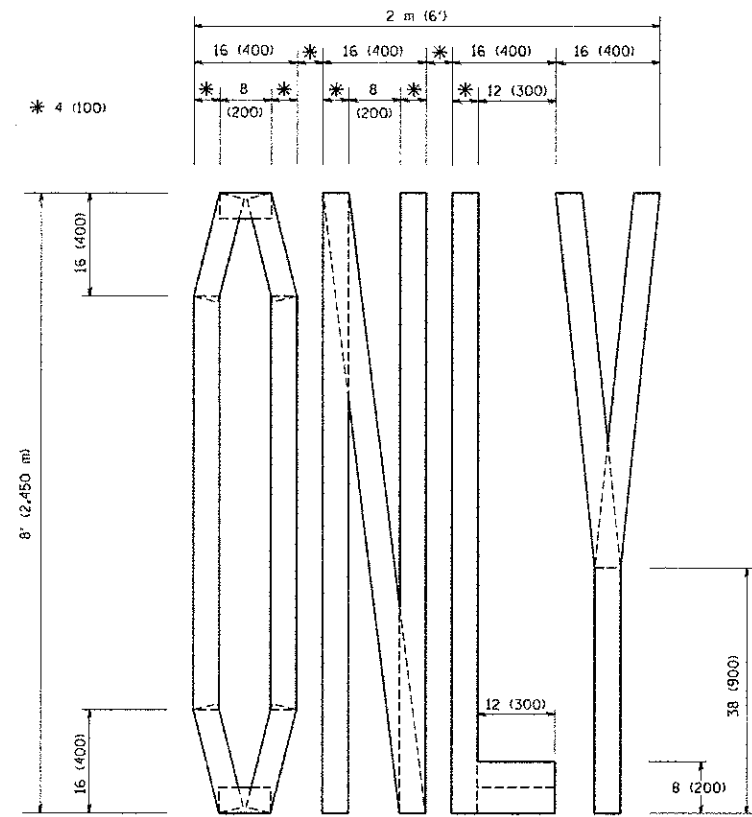
-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

FILE NAME	USER NAME	REVISED	T. RAMMACHER 09-08-94	REVISED	R. BORO 09-14-09
		REVISED	A. HOUSEH 11-07-95	REVISED	-
		REVISED	A. HOUSEH 10-12-96	REVISED	-
		REVISED	T. RAMMACHER 01-06-00	REVISED	-

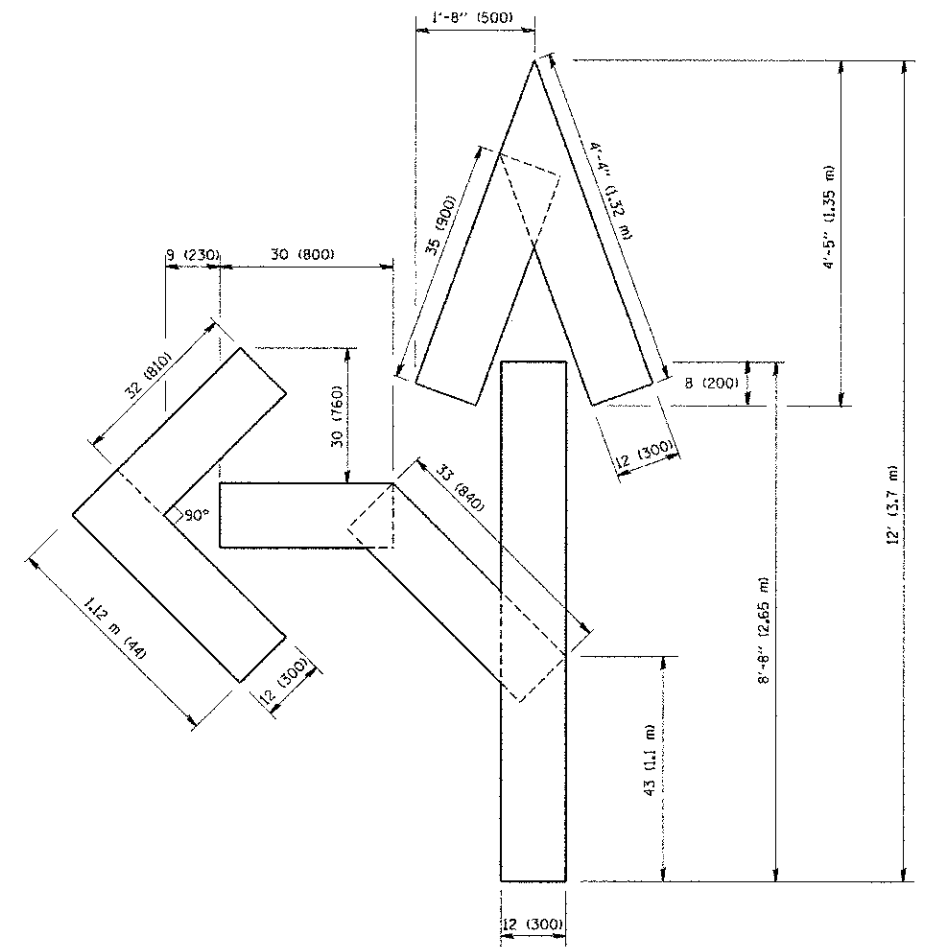
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

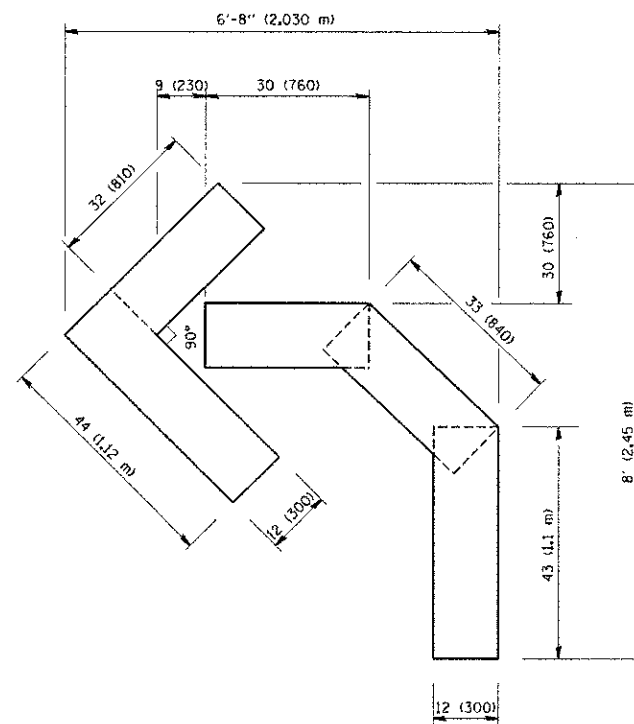
P.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	MCHENRY	167	126
TC-14			CONTRACT NO. 63743	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



QUANTITY  
 4 (100) LINE = 64.1 ft. (19.7 m)  
 21.1 sq. ft. (1.97 sq. m)



QUANTITY  
 4 (100) LINE = 82.5 ft. (25.3 m)  
 27.5 sq. ft. (2.53 sq. m)



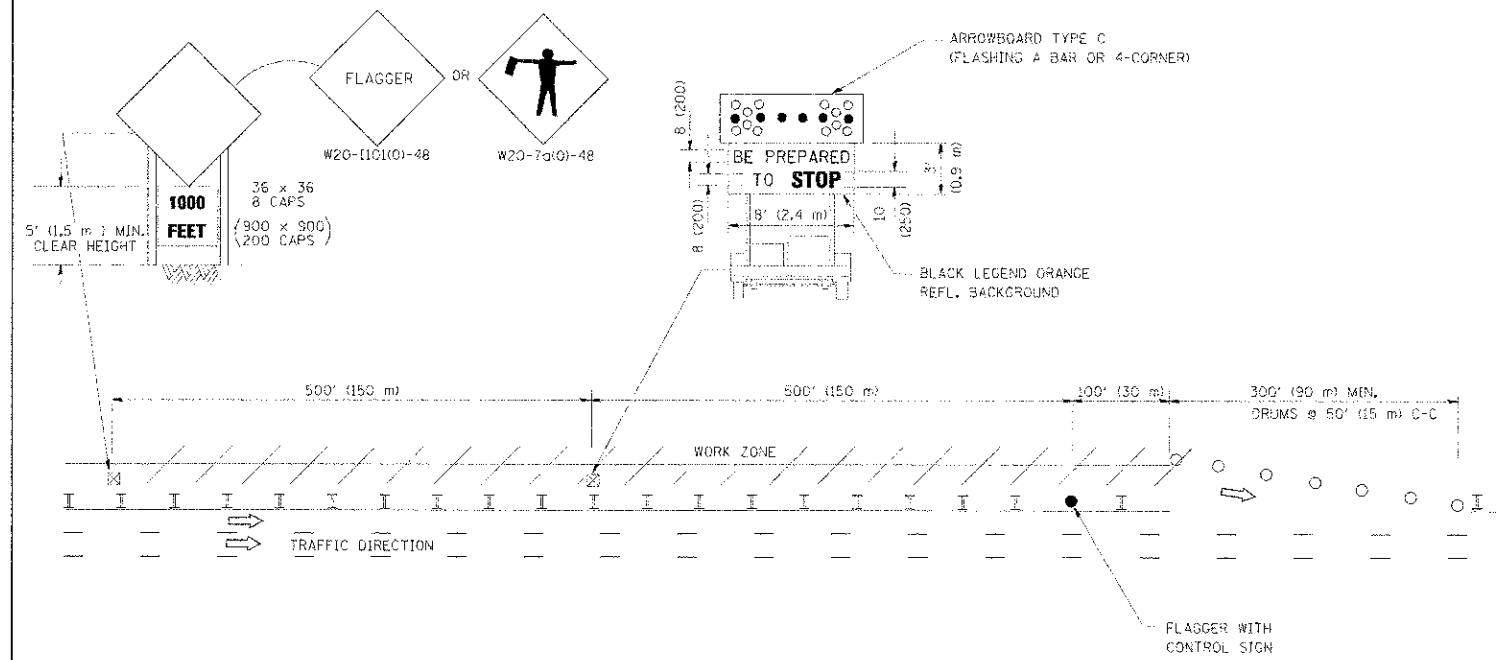
QUANTITY  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.39 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

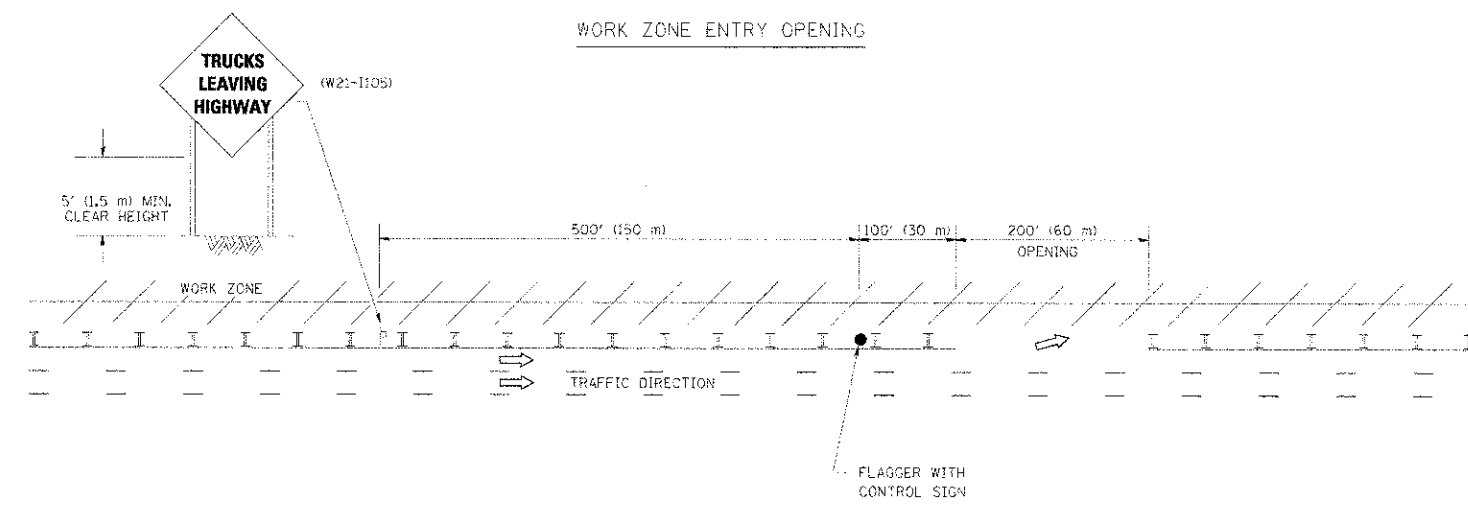
FILE NAME = W:\dists\td\22x34\ee16.dgn	USER NAME = gegltenobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -T. RAMMACHER 11-04-97					4068	07-0031-00-PV	McHENRY	167	127
		PLOT SCALE = 50.0000" / IN.	CHECKED -		REVISED -T. RAMMACHER 03-02-98	TC-16			CONTRACT NO. 63743			
		PLOT DATE = 1/4/2009	DATE = 09-18-94		REVISED -E. GOMEZ 08-28-00	SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. THE ARROWBOARD, THE FLAGGER AHEAD SIGN AND THE TRUCKS LEAVING HIGHWAY SIGN SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE EXIT OPENINGS SHOULD BE A MINIMUM OF ONE HALF MILE APART.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

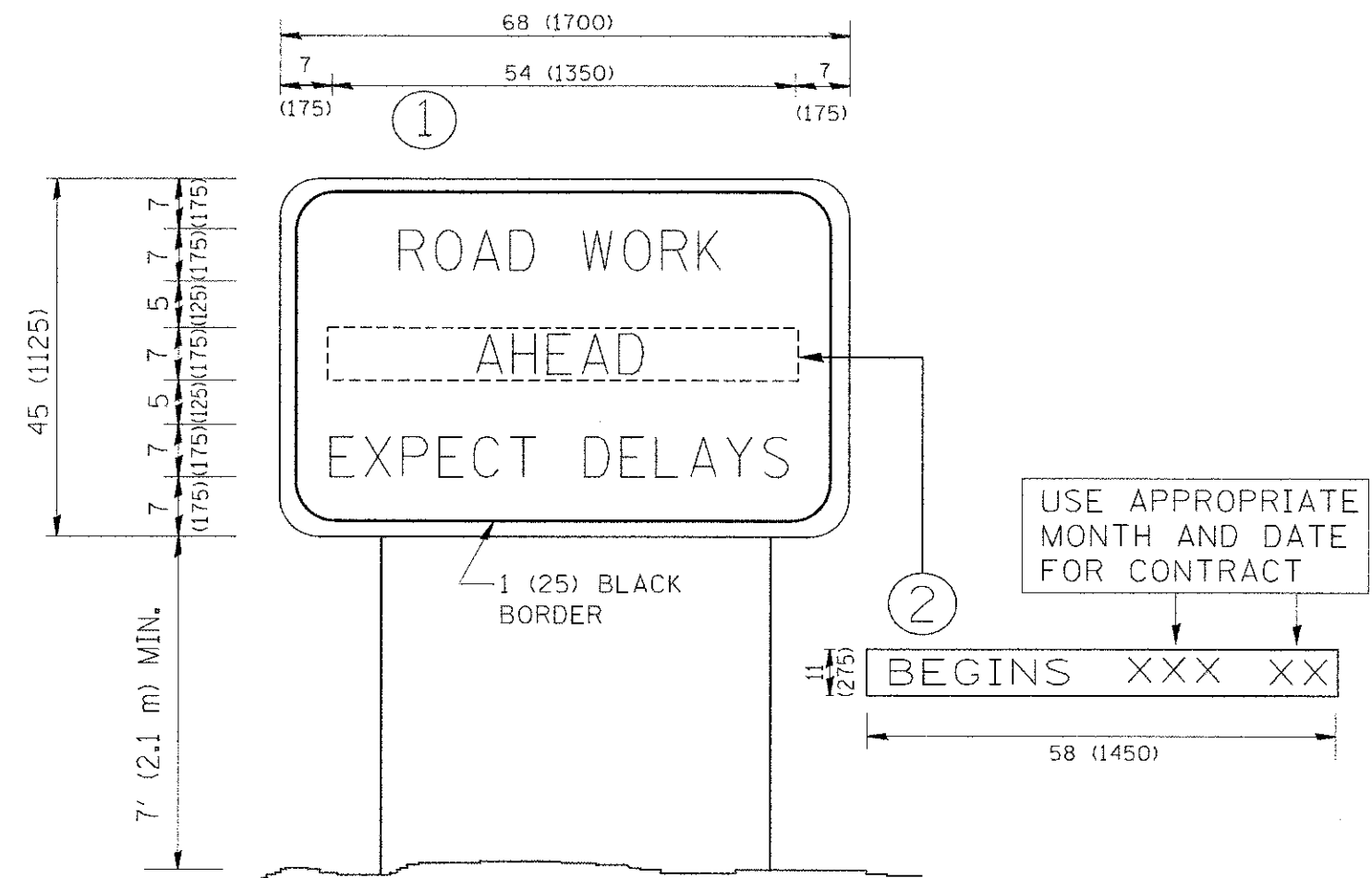
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		CHECKED -	REVISED - J.A.F. 02-05
		DATE -	REVISED - S.P.B. 01-07
			REVISED - S.P.B. 12-09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING FOR FLAGGING OPERATIONS  
AT WORK ZONE OPENINGS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.D. RTE. 406B	SECTION 07-0031-00-PV	COUNTY McHENRY	TOTAL SHEETS 167	SHEET NO. 128
TC-18			CONTRACT NO. 63743	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



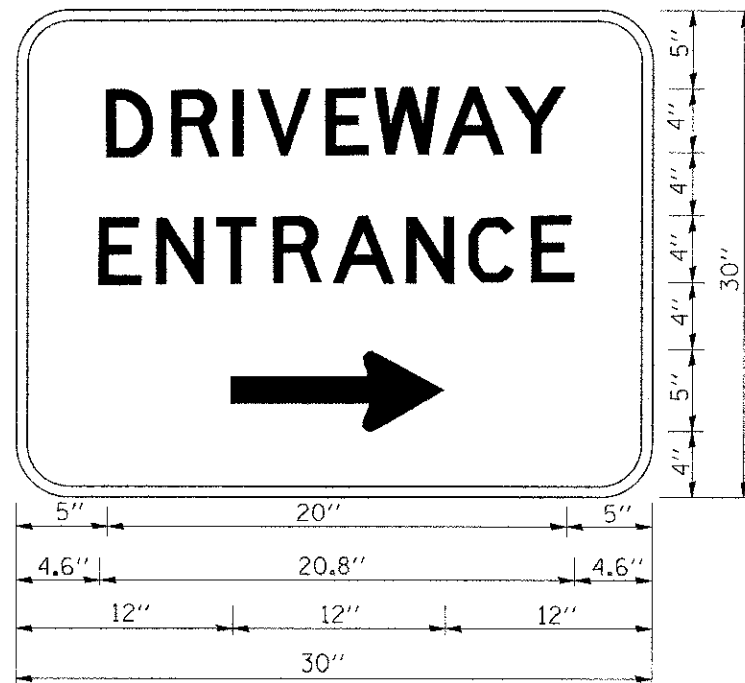
**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\to22.dgn	USER NAME = ggg\ianobt	DESIGNED - DRAWN -	REVISED - R, MIRS 09-15-97 REVISED - R, MIRS 12-11-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>		F.A.U. RTE. 4068	SECTION 07-0031-00-PV	COUNTY MCHEMRY	TOTAL SHEETS 167	SHEET NO. 129
	PLCT SCALE = 50.7200 * 1/16"	CHECKED - DATE -	REVISED - T, RAMMACHER 02-02-99 REVISED - C, JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	<b>TC-22</b>		CONTRACT NO. 63743
	PLOT DATE = 1/4/2008				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						



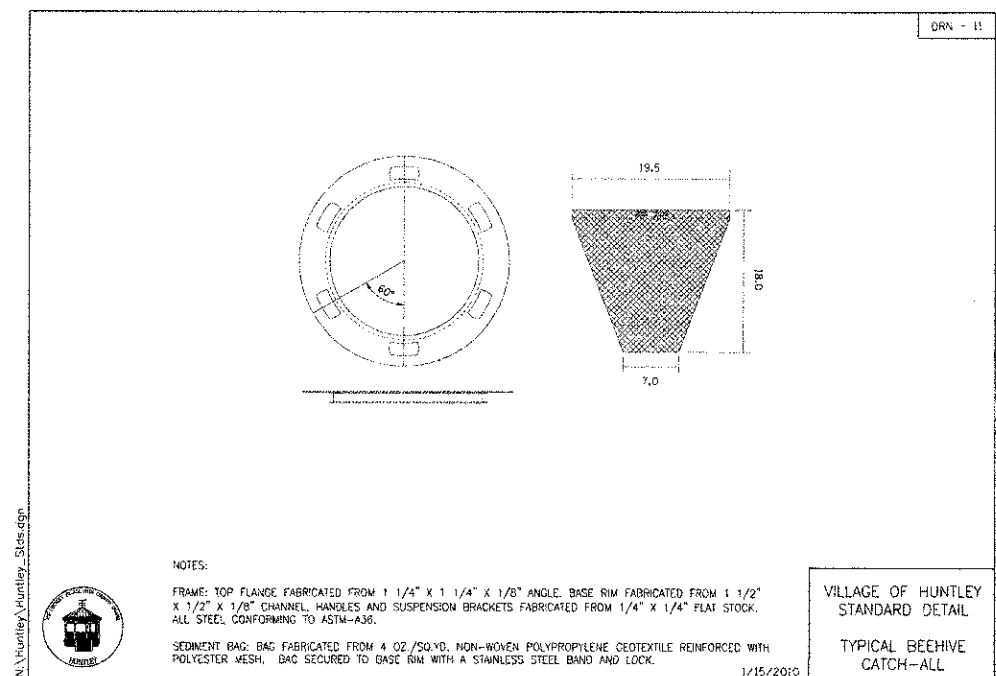
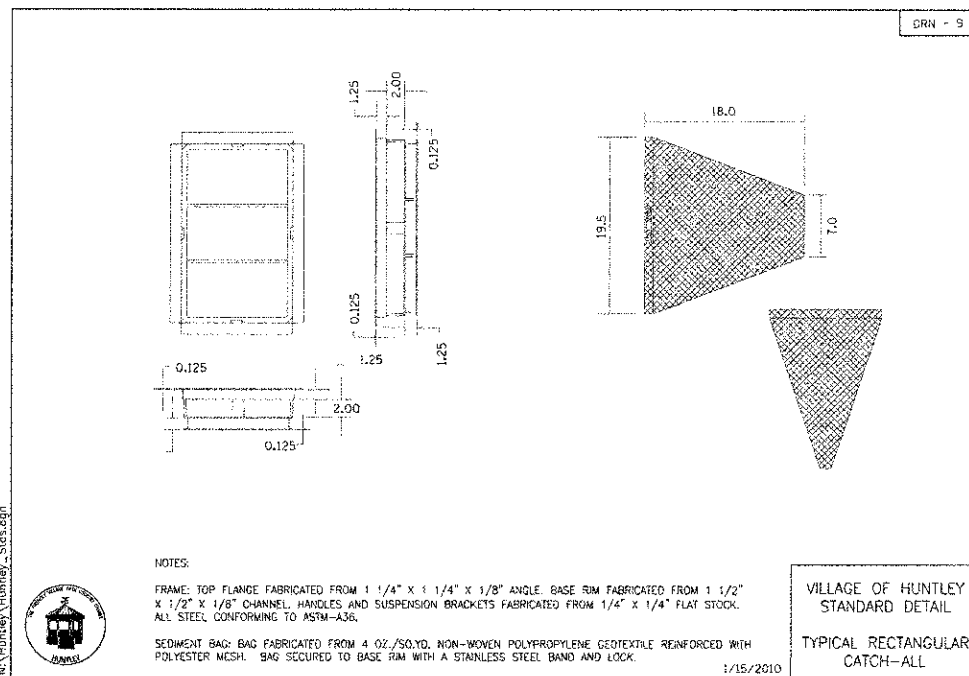
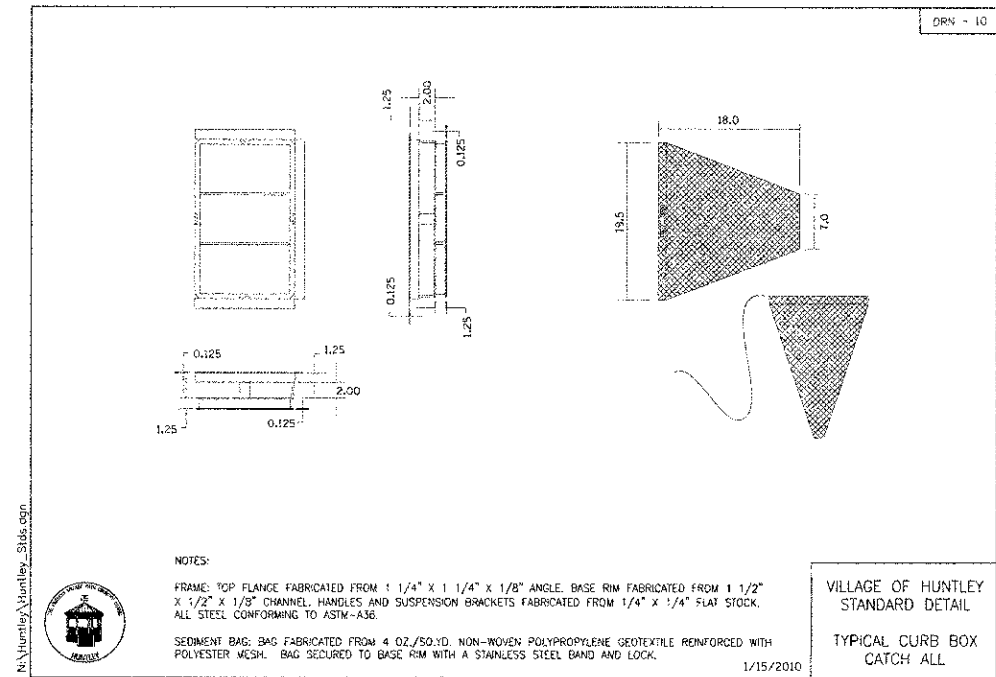
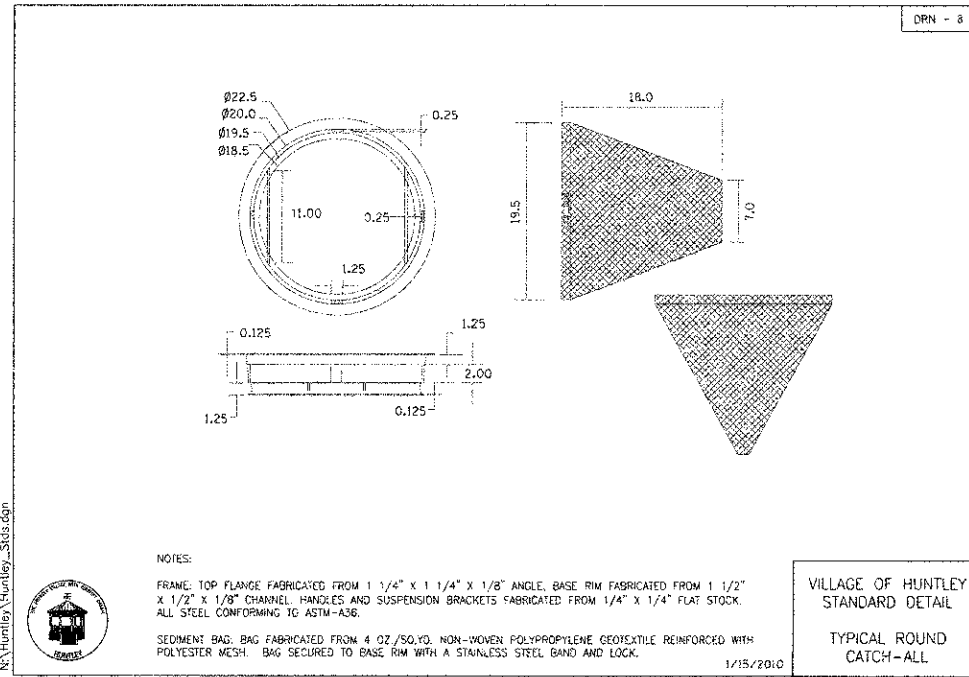


3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

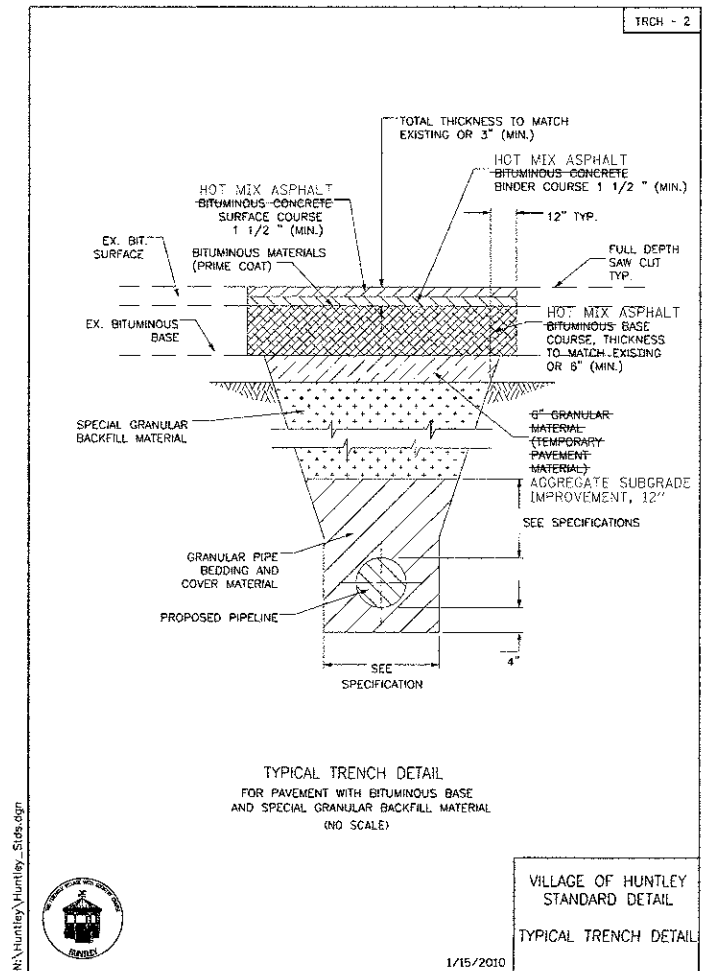
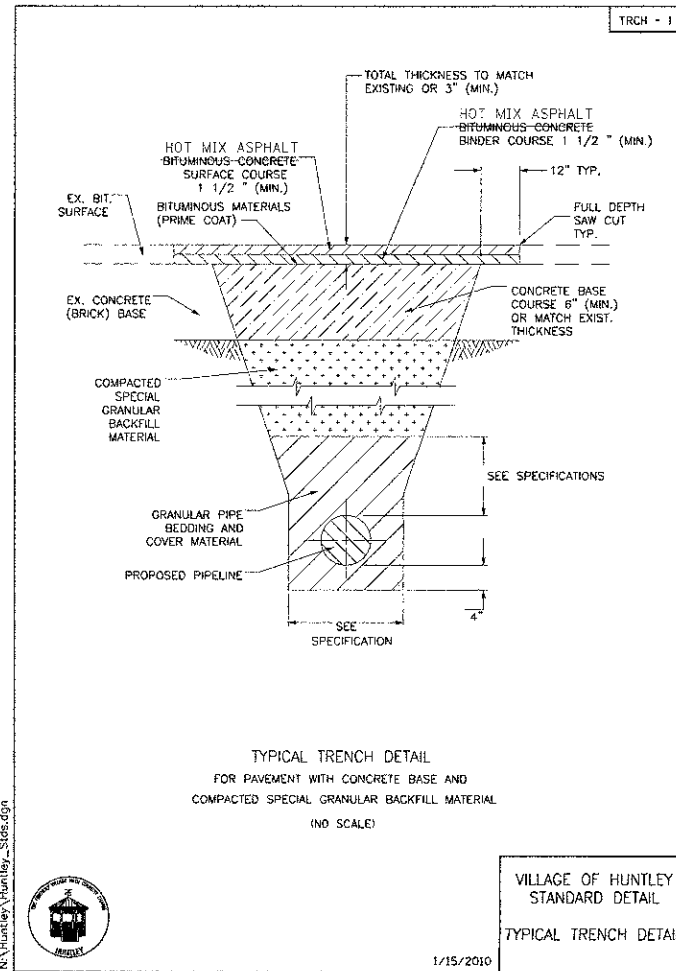
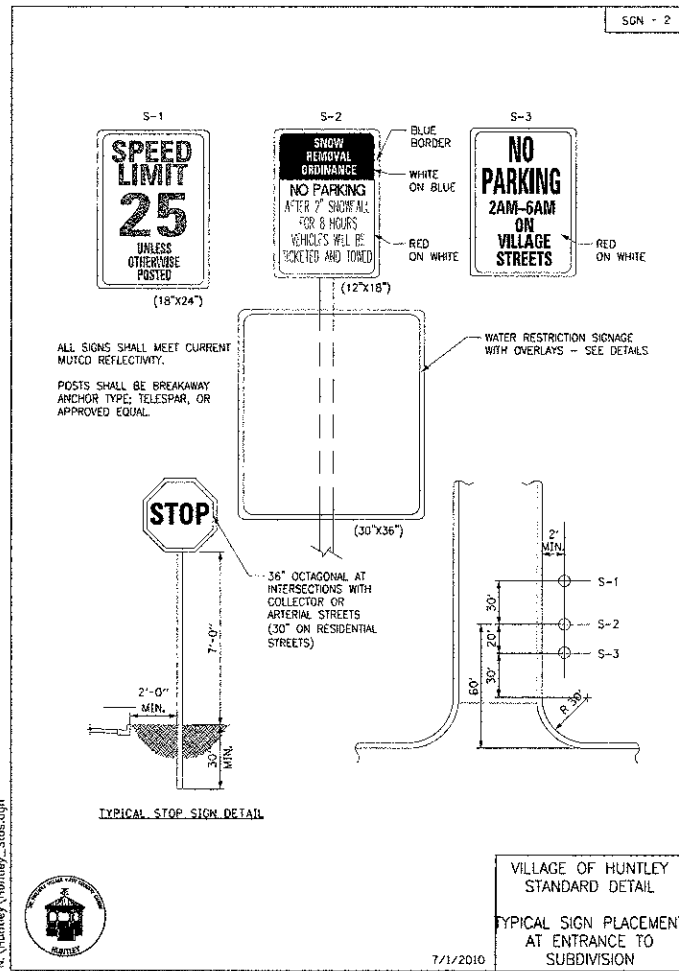
**NOTES:**

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME * W:\data\std\22x34\tc26.dgn	USER NAME * goglienob	DESIGNED -	REVISED - C. JUCIUS 02-15-07	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRIVEWAY ENTRANCE SIGNING</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000 / IN.	DRAWN -	REVISED -				4068	07-0031-00-PV	McHENRY	167	130
PLOT DATE = 1/4/2008	CHECKED -	REVISED -	REVISED -	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-26 CONTRACT NO. 63743 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

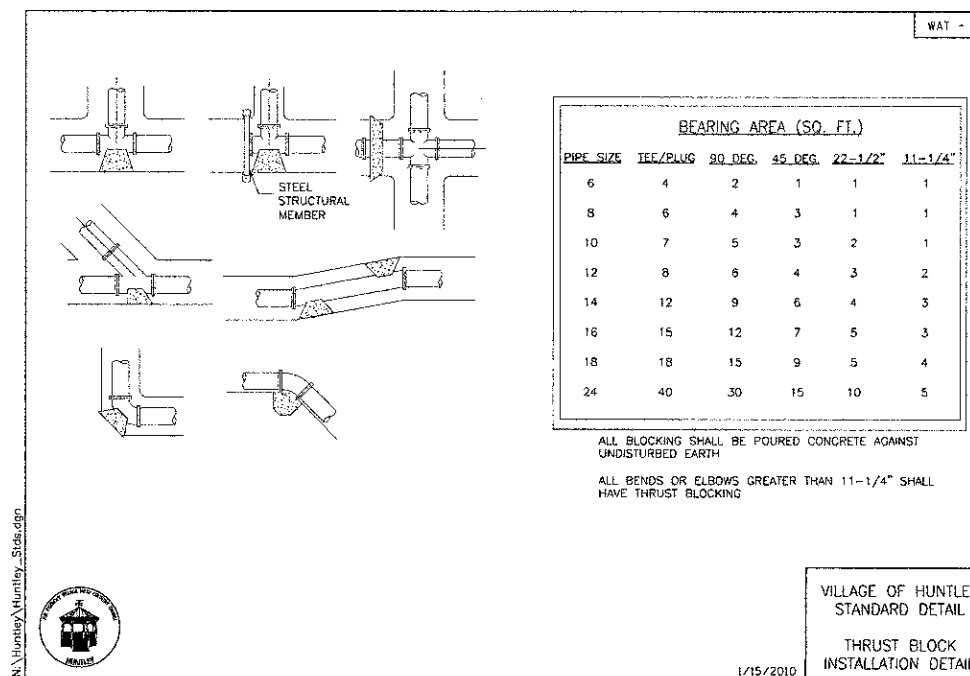
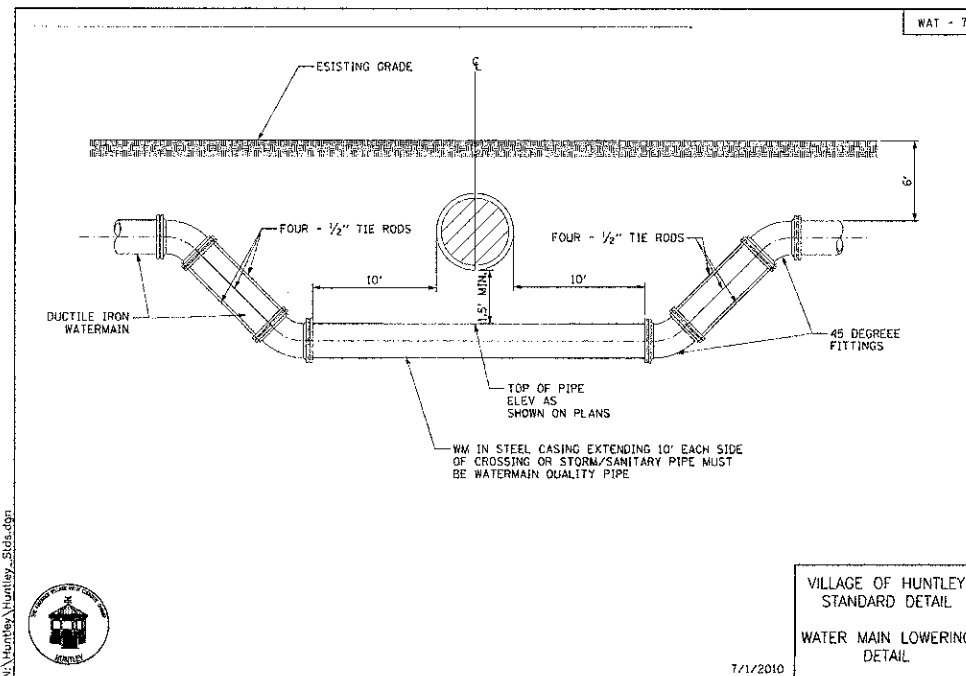
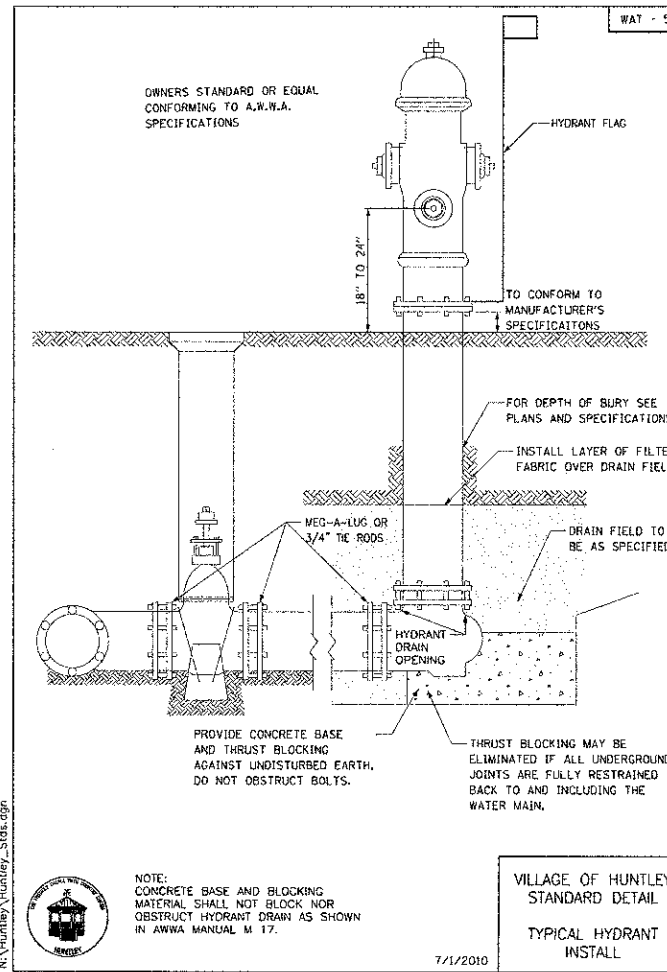
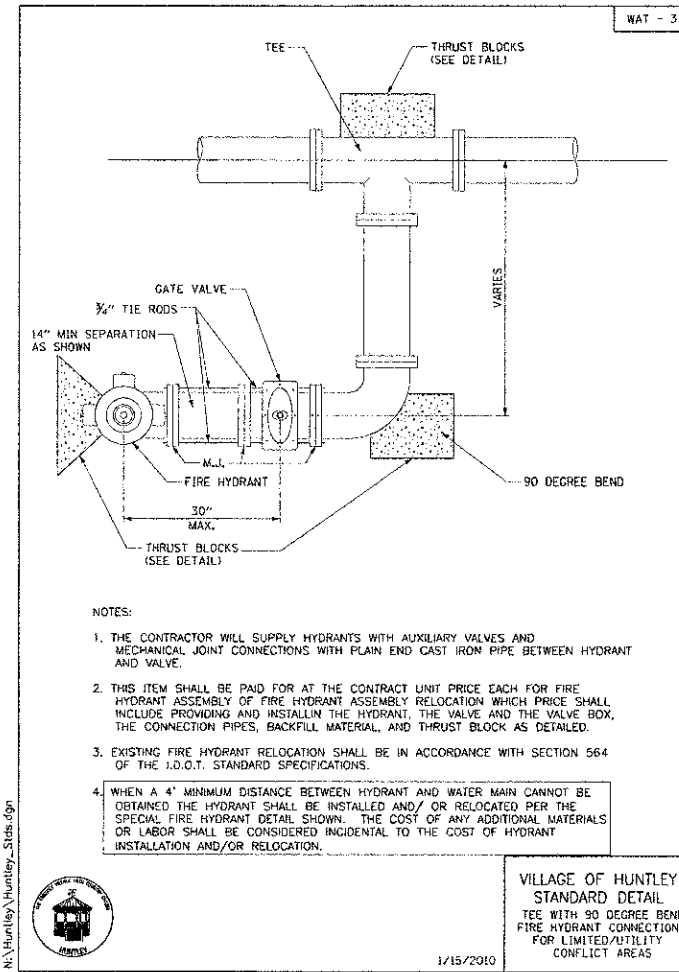


FILE NAME =	USER NAME = bas	DESIGNED - BAS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>VILLAGE OF HUNTLEY DETAILS</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
... \2473.sht-details-17-huntley.dgn		DRAWN - BAS	REVISED -				4068	07-0031-00-PV	MCHEMRY	167	131			
		CHECKED - GAB	REVISED -				SCALE: NONE		SHEET NO. 1 OF 4 SHEETS		STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT XXX	
		DATE - 10/22/12	REVISED -											



FILE NAME =	USER NAME = has	DESIGNED - BAS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>VILLAGE OF HUNTLEY DETAILS</b>			F.A.U. R.T.E. 4068	SECTION 07-0031-00-PV	COUNTY McHENRY	TOTAL SHEETS 167	SHEET NO. 132		
...2473.unl-details-18-huntley.dgn	PLOT SCALE = 1/8" = 1'-0"	DRAWN - BAS	REVISED -					SCALE: NONE	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. : ILLINOIS	FED. AID PROJECT XXX	CONTRACT NO. 63743
	PLOT DATE = 11/14/2012	CHECKED - GAB	REVISED -											
		DATE - 10/22/12	REVISED -											





FILE NAME =	USER NAME = bas	DESIGNED - BAS	REVISED -
...2473.sht-details-20-huntley.dgn		DRAWN - BAS	REVISED -
	PLOT SCALE = 1.0000 / in.	CHECKED - GAB	REVISED -
	PLOT DATE = 11/14/2012	DATE - 10/22/12	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF HUNTLEY DETAILS

SCALE: NONE SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	134
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT XXX-	

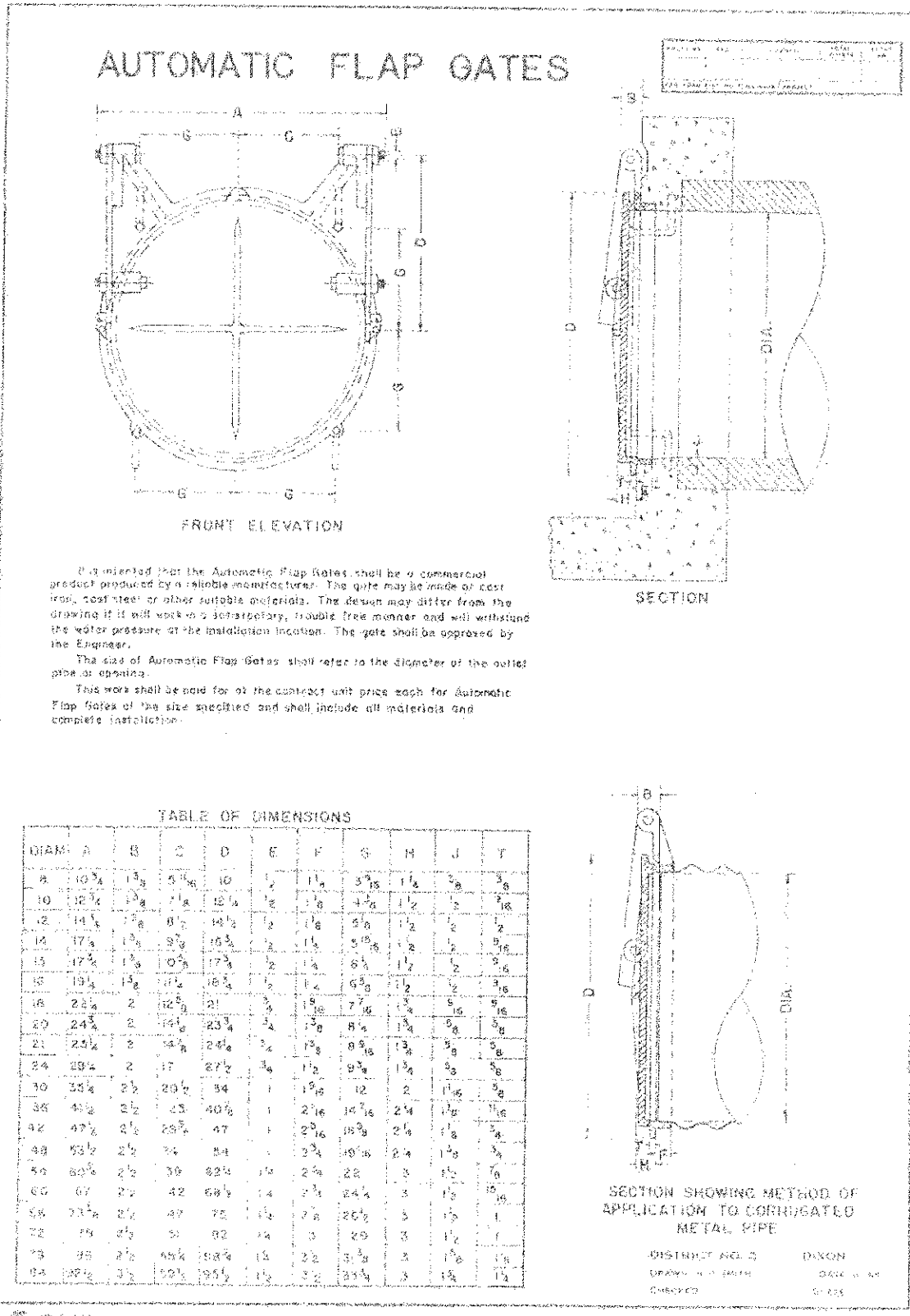
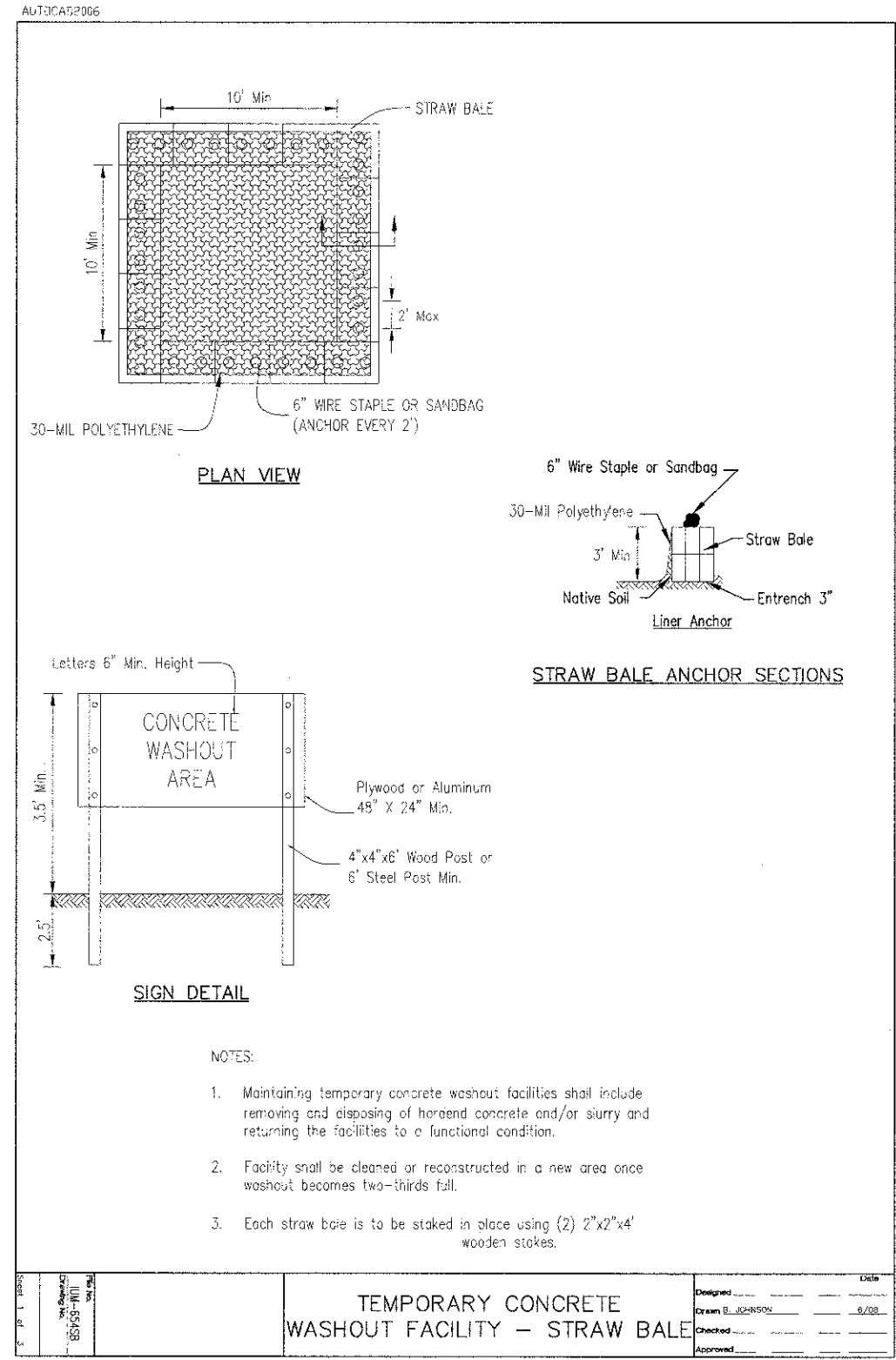
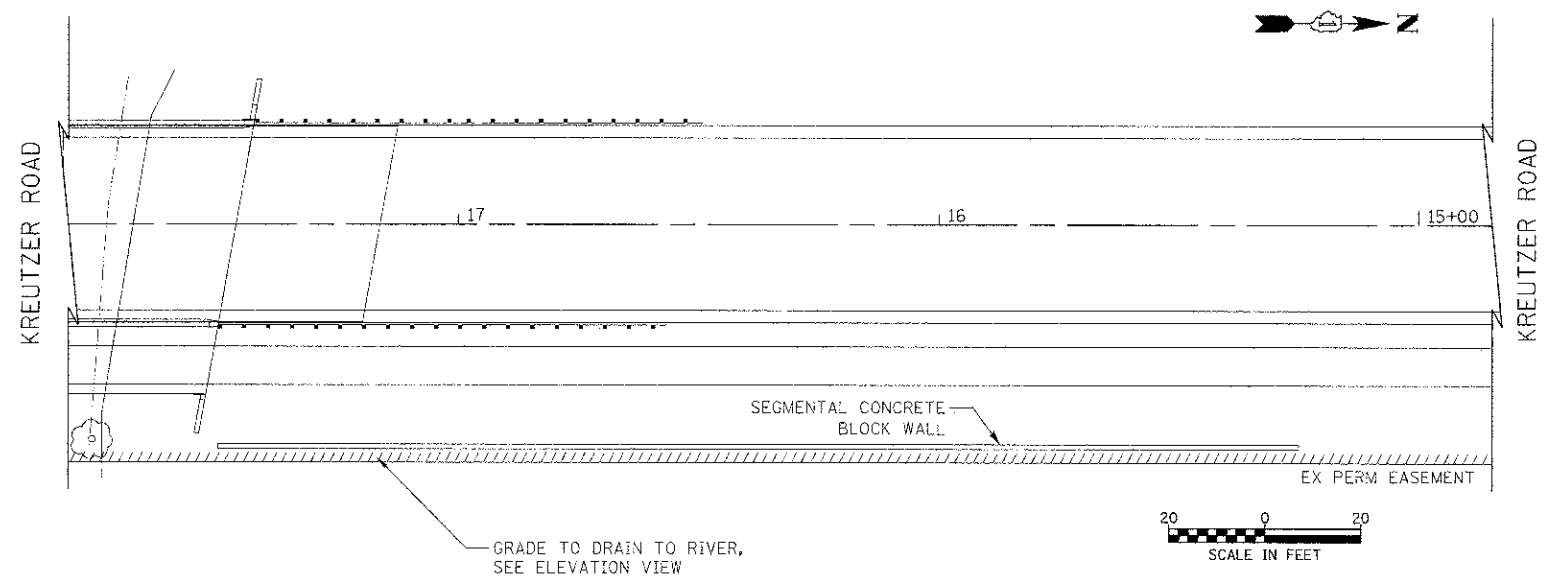


Figure 6-500a

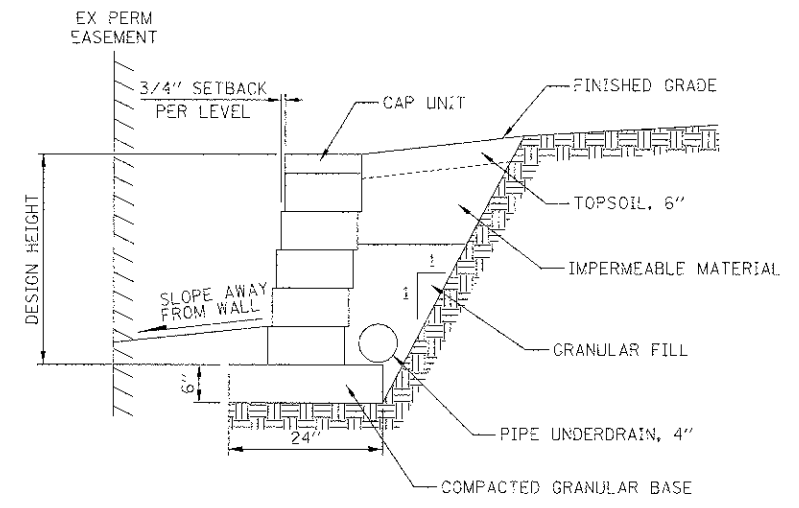




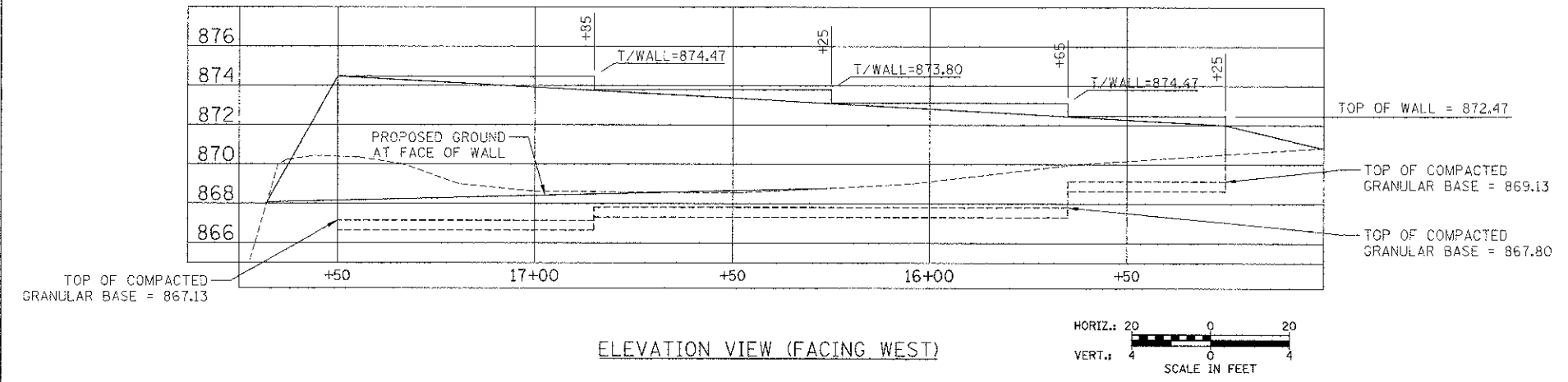




PLAN



TYPICAL SECTION

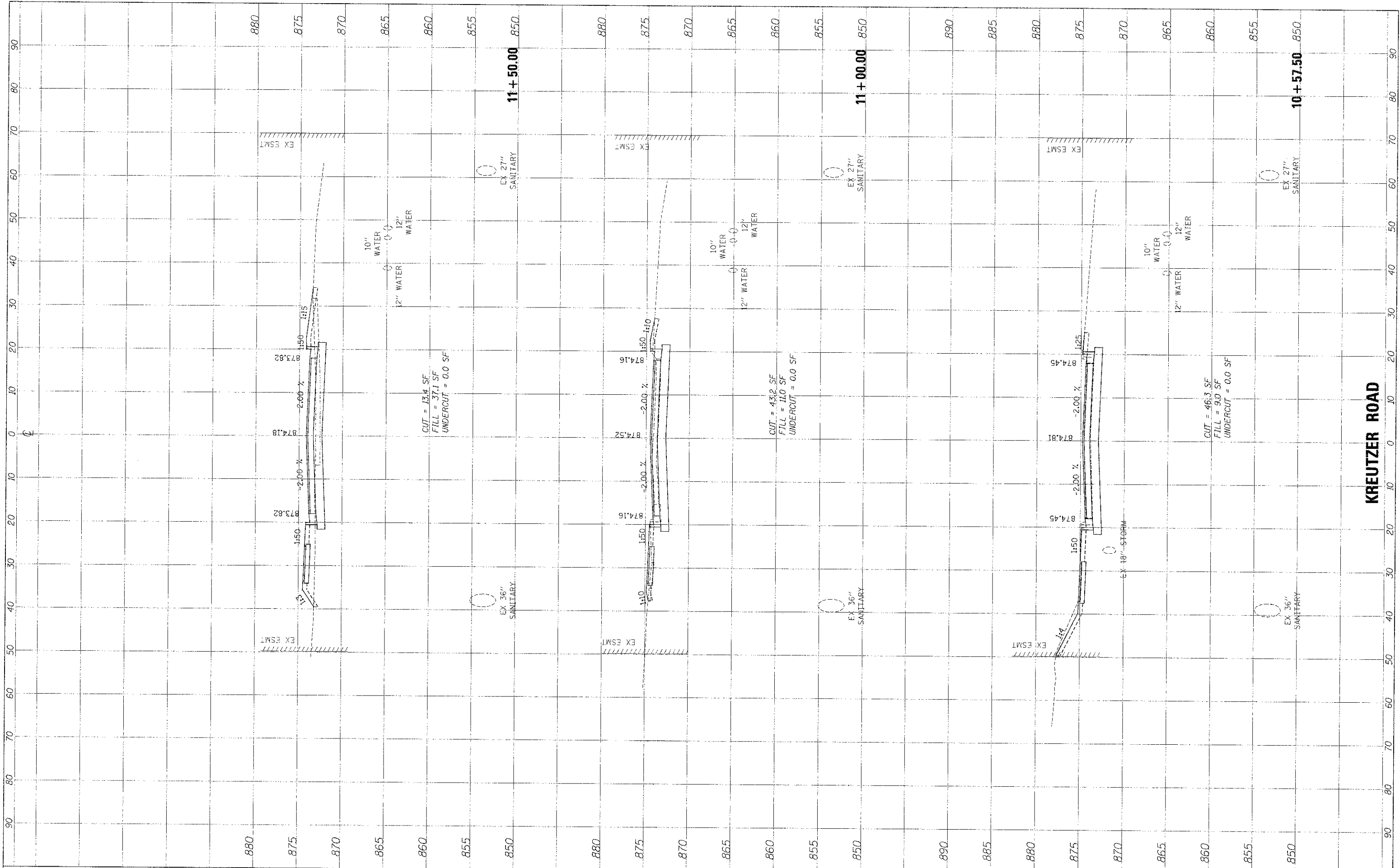


ELEVATION VIEW (FACING WEST)

FILE NAME =	USER NAME = bas	DESIGNED - BAS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SEGMENTAL BLOCK CONCRETE BLOCK WALL</b>		F.A.U.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...12473.sht-details-23-segmental conc block wall.dgn	DRAWN - BAS	REVISED -	4068				07-0031-00-PV	McHENRY	167	137	
PLOT SCALE = 20.0000' / 1"	CHECKED - GAB	REVISED -	CONTRACT NO. 63743								
PLOT DATE = 10/18/2012	DATE = 10/22/12	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT XXX-----								
				SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.			

FINN	SUPERVISOR	DATE
SIRITY	PILOTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORCHINA	BY	DATE
SURVEY		
PIOTTED		
NOTE BOOK		
NO.		



CUT = 13.4 SF  
 FILL = 37.1 SF  
 UNDERCUT = 0.0 SF

CUT = 43.2 SF  
 FILL = 11.0 SF  
 UNDERCUT = 0.0 SF

CUT = 46.3 SF  
 FILL = 9.0 SF  
 UNDERCUT = 0.0 SF

FILE NAME : ...2473-ehtr-xac-kreutzer.dgn

USER NAME = bas  
 DESIGNED - BAS  
 DRAWN - BAS  
 CHECKED - GAB  
 DATE - 10/22/12

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

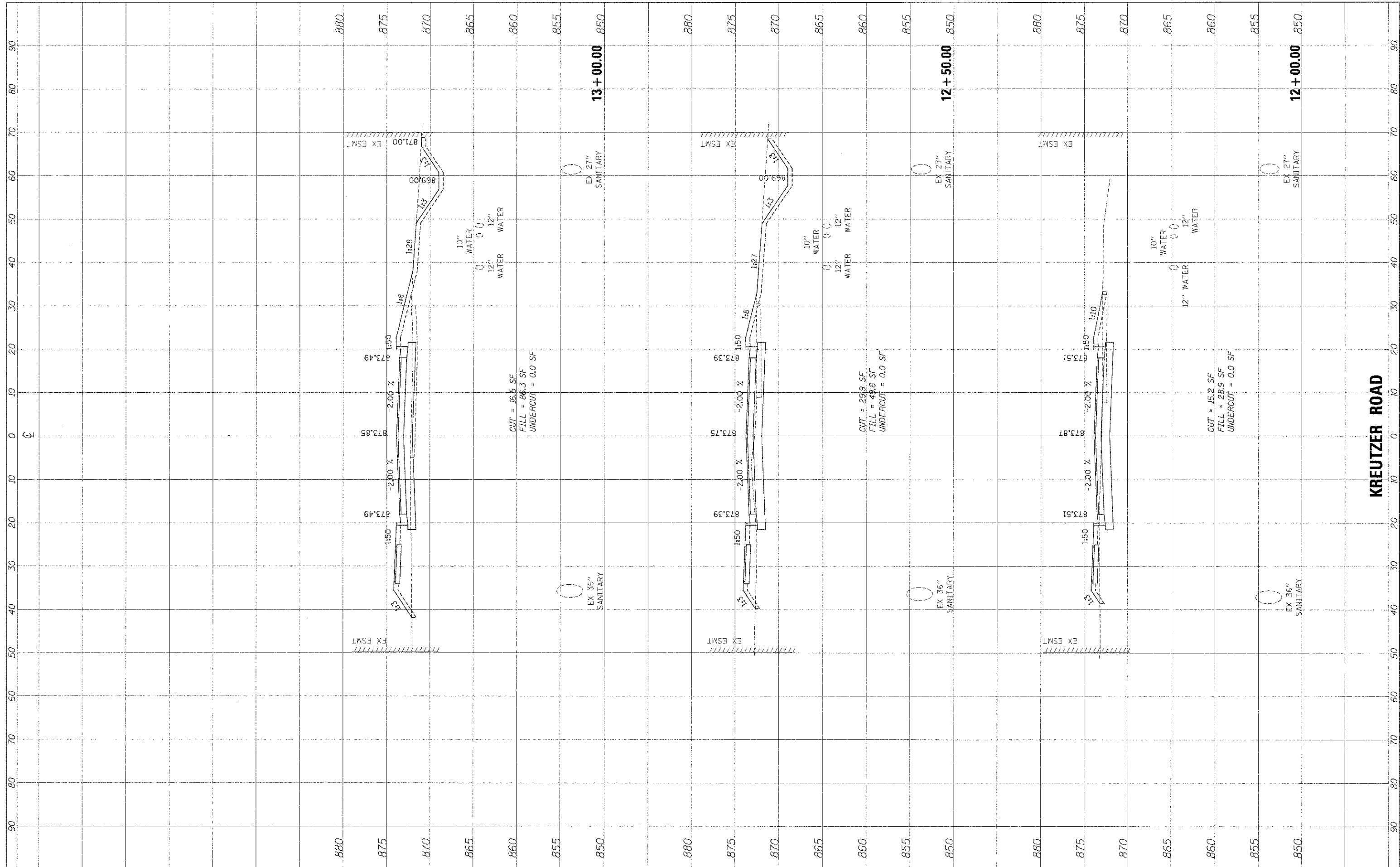
SCALE: 10'H : 5'V SHEET NO. 1 OF 24 SHEETS STA. 10+57.50 TO STA. 11+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	MCHENRY	167	138
CONTRACT NO. 63743			FED. AID PROJECT XXX	

KREUTZER ROAD

FINN	DESIGNED	DATE
SHIRY	PLOTTED	
NOTE BOOK	TEMPLATE	
AREAS CHECKED		
NO.		

BY	DATE



FILE NAME =	USER NAME =	DESIGNED =	REVISED =
...\\2473-shr-kss-kreutzer.dgn	bbs	BAS	-
		DRAWN =	REVISED =
		BAS	-
		CHECKED =	REVISED =
		GAB	-
		DATE =	REVISED =
		10/22/12	-

PLOT SCALE =	CHECKED =	REVISED =
10.0000 / in.	GAB	-
PLOT DATE =	DATE =	REVISED =
10/18/2012	10/22/12	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

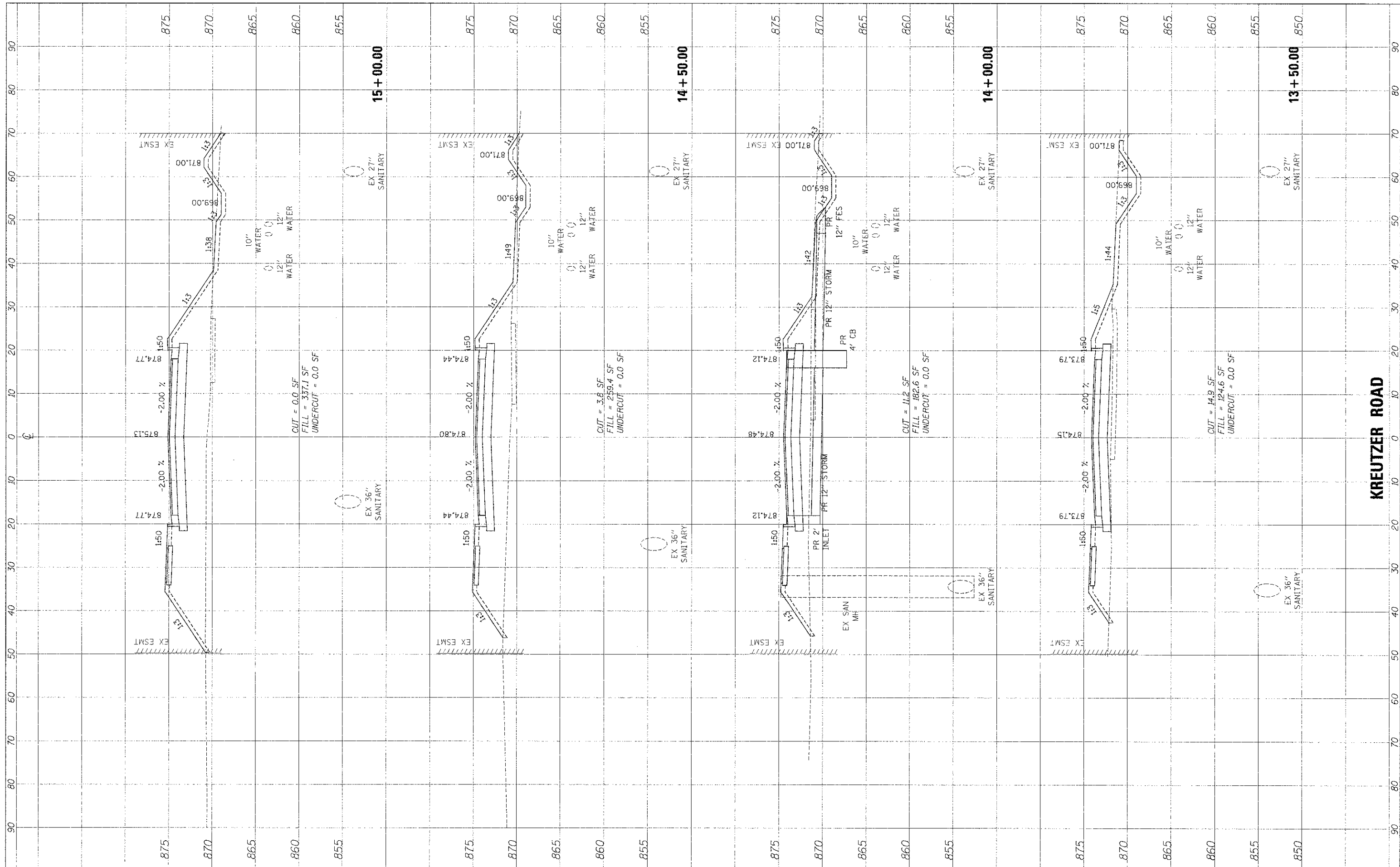
**CROSS SECTIONS**

SCALE: 10'H = 5'V    SHEET NO. 2 OF 24 SHEETS    STA. 12+00.00 TO STA. 13+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	139
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743	
FED. AID PROJECT XXX				

FINAL	DATE
SURVEY	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

ORIGINAL	DATE
SURVEY	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	



FILE NAME = ...2473-snt-xso\_kreutzer.dgn  
 USER NAME = bas  
 PLOT SCALE = 1/8" = 1'-0"  
 PLOT DATE = 10/18/2012

DESIGNED	-	BAS
DRAWN	-	BAS
CHECKED	-	GAB
DATE	-	10/22/12

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

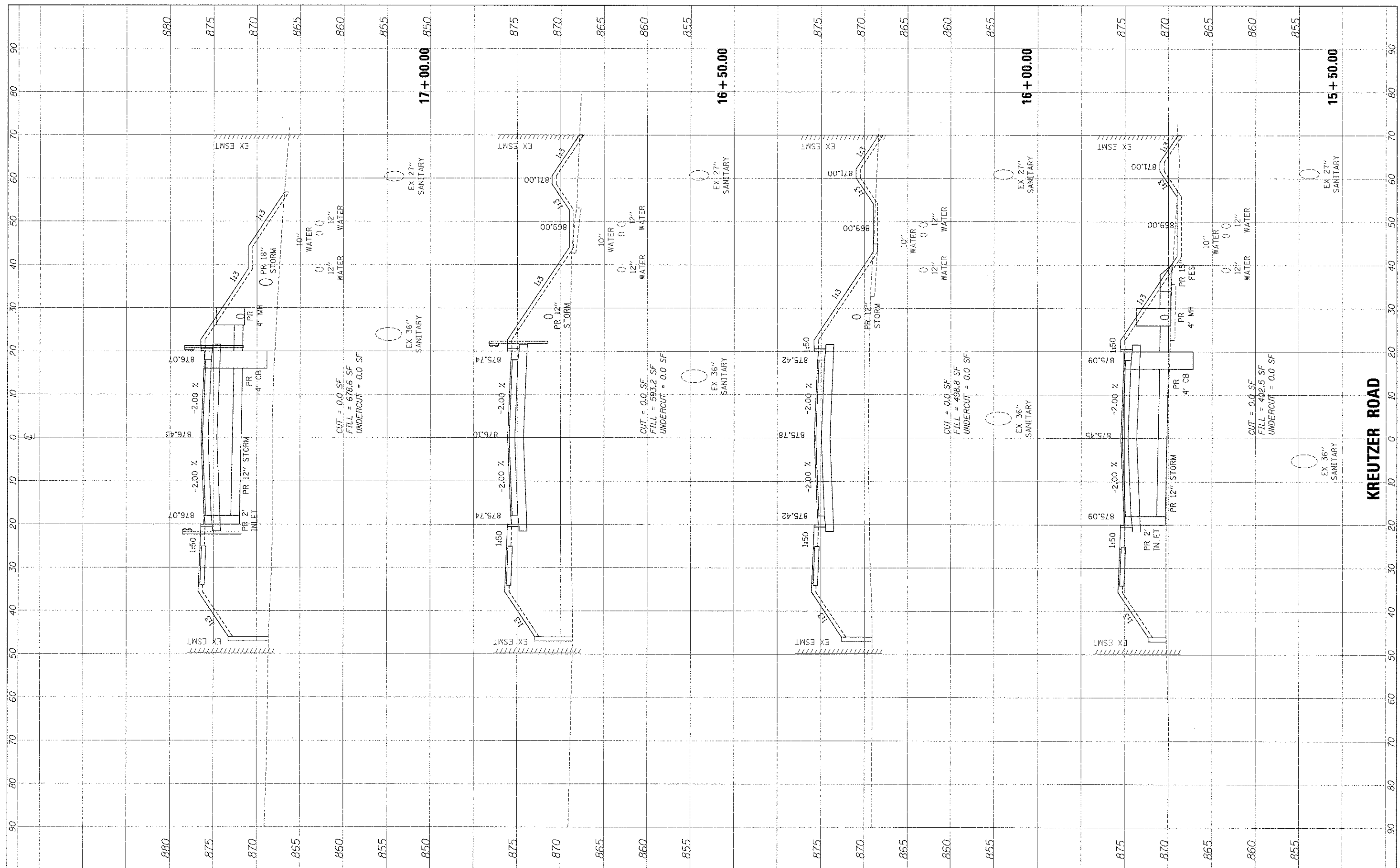
SCALE: 10'H = 5'V SHEET NO. 3 OF 24 SHEETS STA. 13+50.00 TO STA. 15+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	140
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743	
FED. AID PROJECT XXX				

**KREUTZER ROAD**

FINAL SURVEY	SUBJECT	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		



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PLCT SCALE = 10.0000 / 1"	DRAWN = BAS
PLOT DATE = 10/18/2012	CHECKED = GAB
	DATE = 10/22/12

REVISED =
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REVISED =

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

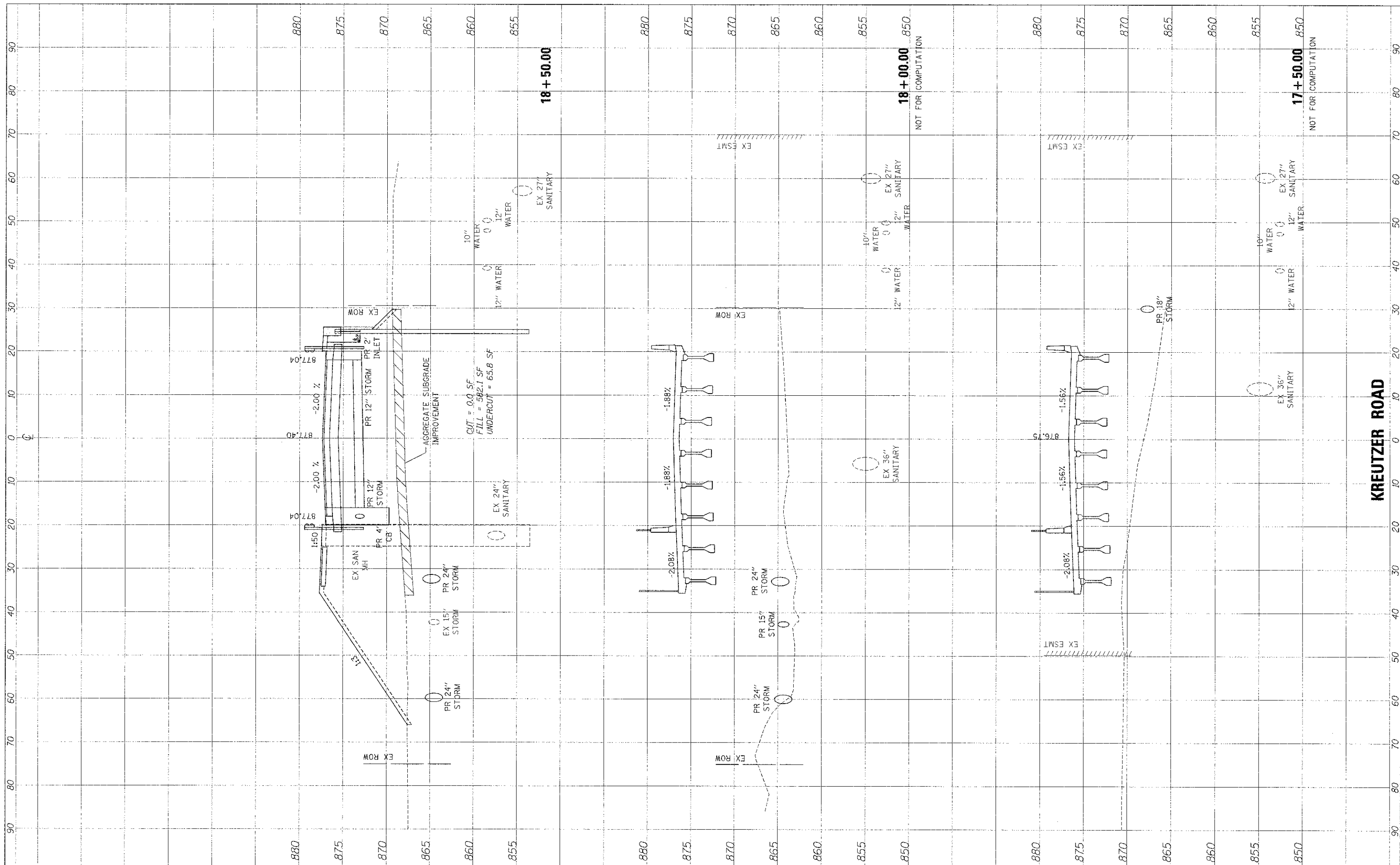
**CROSS SECTIONS**

SCALE: 10'H = 5'V SHEET NO. 4 OF 24 SHEETS STA. 15+50.00 TO STA. 17+00.00

F.A.U. RTE. 4068	SECTION 07-0031-00-PV	COUNTY McHENRY	TOTAL SHEETS 167	SHEET NO. 141
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743	
FED. AID PROJECT XXX				

FINAL SURVEY	BY	DATE
PLotted		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
PLotted		
NOTE BOOK		
AREAS CHECKED		
NO.		



FILE NAME = ...2473-shi-xso-kreutzer.ogn  
 PLOT SCALE = 1/8" = 10' / 1" / 16"  
 PLOT DATE = 10/19/2012

USER NAME = bas	DESIGNED = BAS	REVISED =
	DRAWN = BAS	REVISED =
	CHECKED = GAB	REVISED =
	DATE = 10/22/12	REVISED =

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

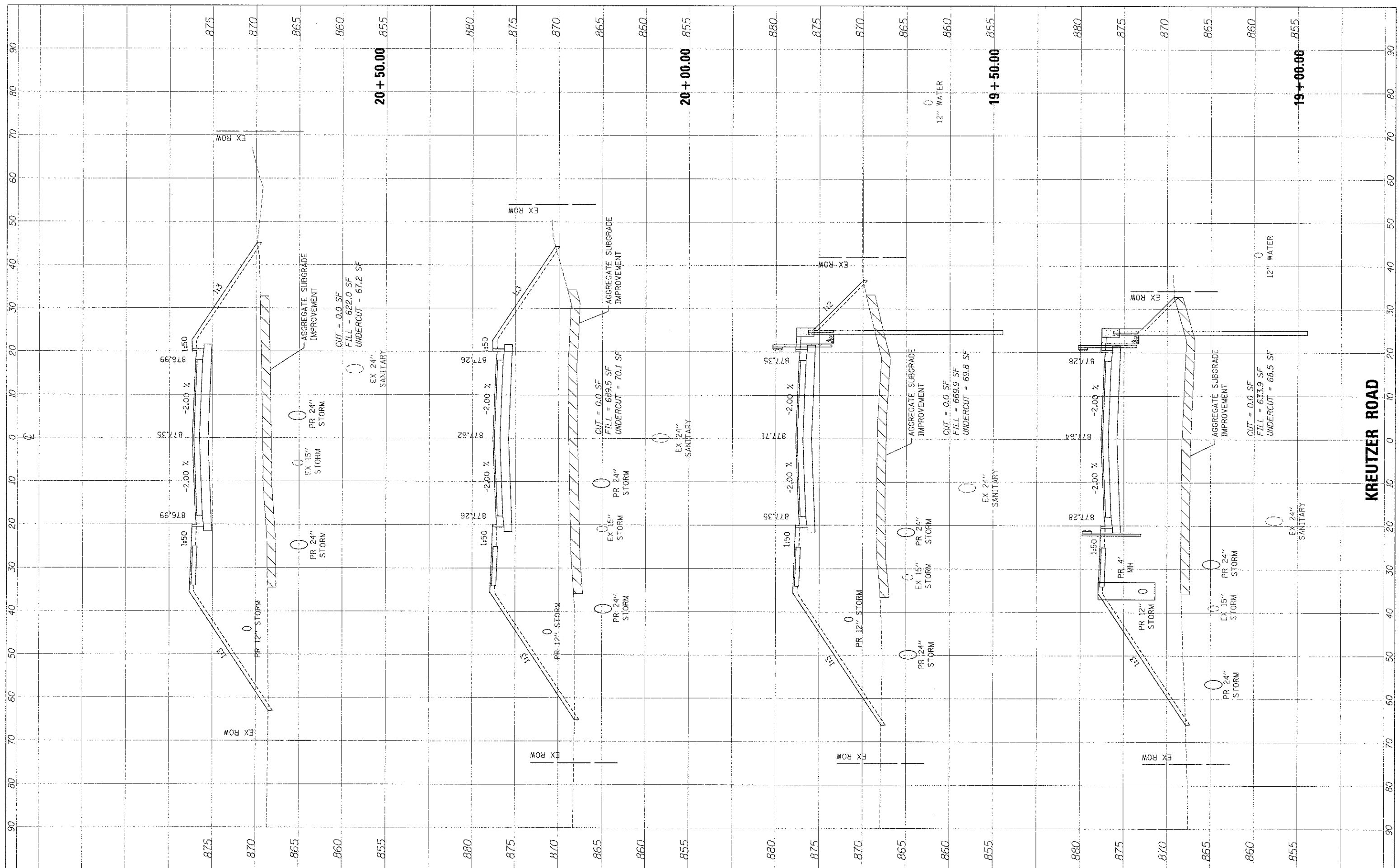
**CROSS SECTIONS**

SCALE: 10'H : 5'V SHEET NO. 5 OF 24 SHEETS | STA. 17+50.00 TO STA. 18+50.00

F.A.U. RTE. 4068	SECTION 07-0031-00-PV	COUNTY McHENRY	TOTAL SHEETS 167	SHEET NO. 142
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743	
FED. AID PROJECT XXX-----				

FINAL	DATE
SUBMITTED	BY
PLOTTED	DATE
NOTE BOOK	NO.
AREAS CHECKED	

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



FILE NAME = ...2473-sht-xsc\_kreutzer.dgn  
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 PLOT SCALE = 12.00MM / 1\"/>  
 PLOT DATE = 12/18/2012

DESIGNED - BAS  
 DRAWN - BAS  
 CHECKED - GAB  
 DATE - 10/22/12

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

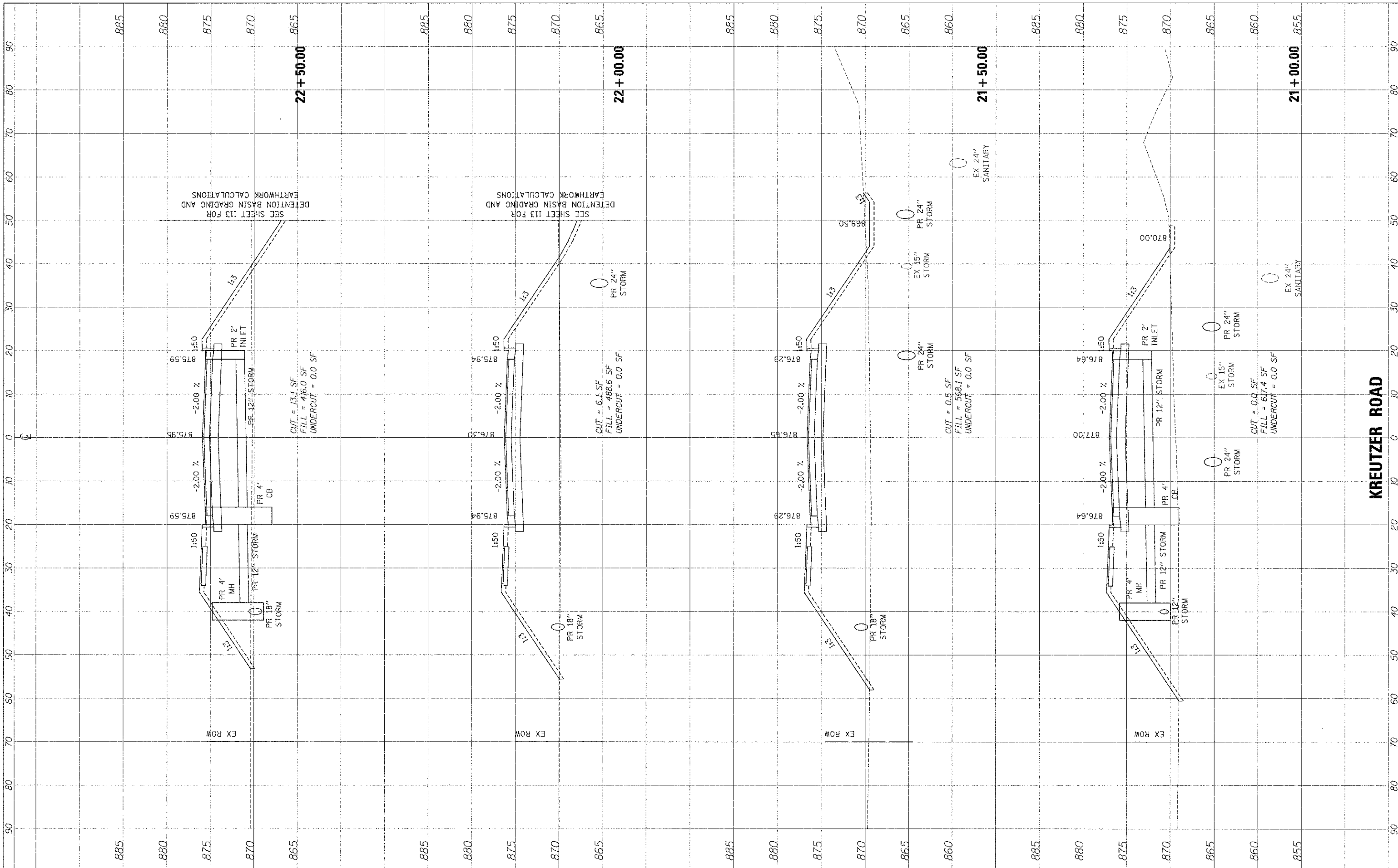
SCALE: 10'H : 5'V SHEET NO. 6 OF 24 SHEETS STA. 19+00.00 TO STA. 20+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
4066	07-0031-00-PV	MOHENRY	167 143
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743

**KREUTZER ROAD**

FINAL SURVEY	DATE
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



FILE NAME = \\2473-shr-xsc\_kreutzer.dgn  
 USER NAME = bas  
 PLOT SCALE = 10/3200' / 1" = 1/320  
 PLOT DATE = 10/10/2012

DESIGNED -	BAS
DRAWN -	BAS
CHECKED -	GAB
DATE -	10/22/12

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

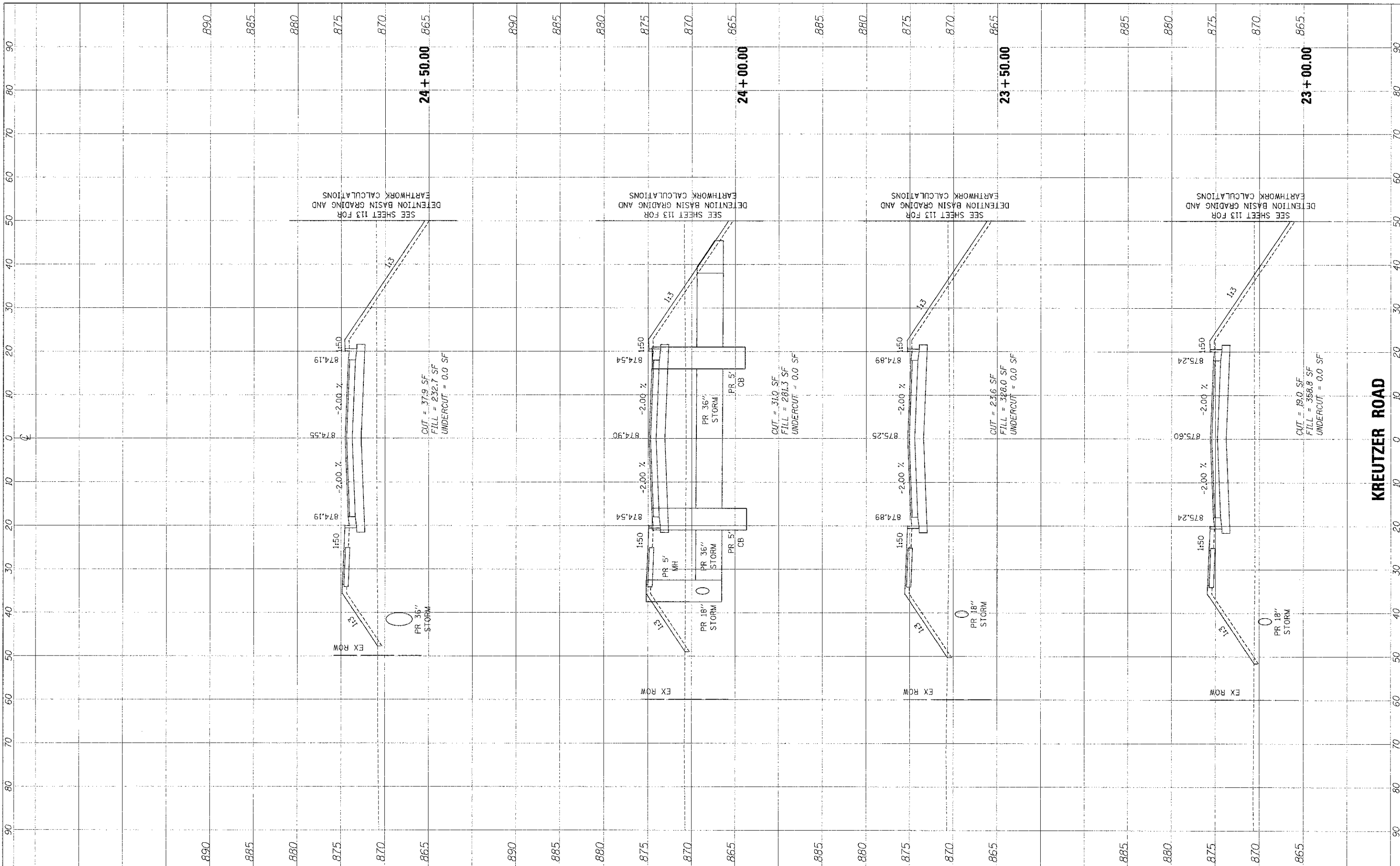
SCALE: 10'H : 5'V SHEET NO. 7 OF 24 SHEETS STA. 21+00.00 TO STA. 22+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	144
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743	
FED. AID PROJECT XXX				



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

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



FILE NAME = \\2473-eh-xsc\kreutzer.dgn  
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 PLOT SCALE = 10.0000' / 1" IN.  
 PLOT DATE = 10/18/2012

DESIGNED -	BAS	REVISED -	
DRAWN -	BAS	REVISED -	
CHECKED -	GAB	REVISED -	
DATE -	10/22/12	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

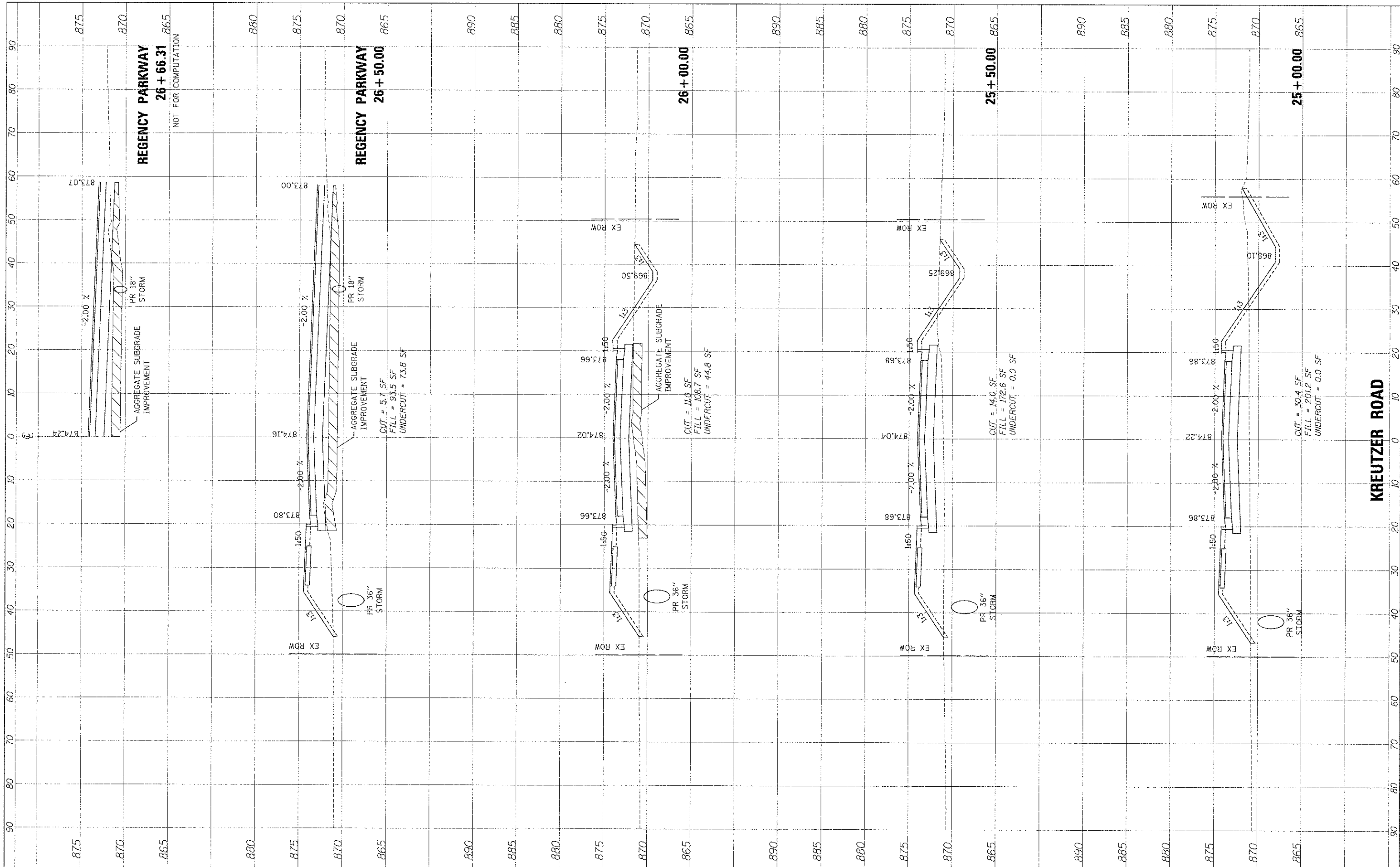
**CROSS SECTIONS**

SCALE: 10' H : 5' V SHEET NO. 8 OF 24 SHEETS STA. 23+00.00 TO STA. 24+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	07-0031-00-PV	McHENRY	167	145
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT XXX-XXXX		
		CONTRACT NO. 63743		

FINAL SURVEY	BY	DATE
SIGHTED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS CHECKED		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SIGHTED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS CHECKED		
AREAS CHECKED		



FILE NAME = ...2473-eh-t-xac\_kreutzer.dgn  
 USER NAME = bas  
 DESIGNED - BAS  
 DRAWN - BAS  
 CHECKED - GAB  
 DATE - 10/22/12

REVISIONS  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

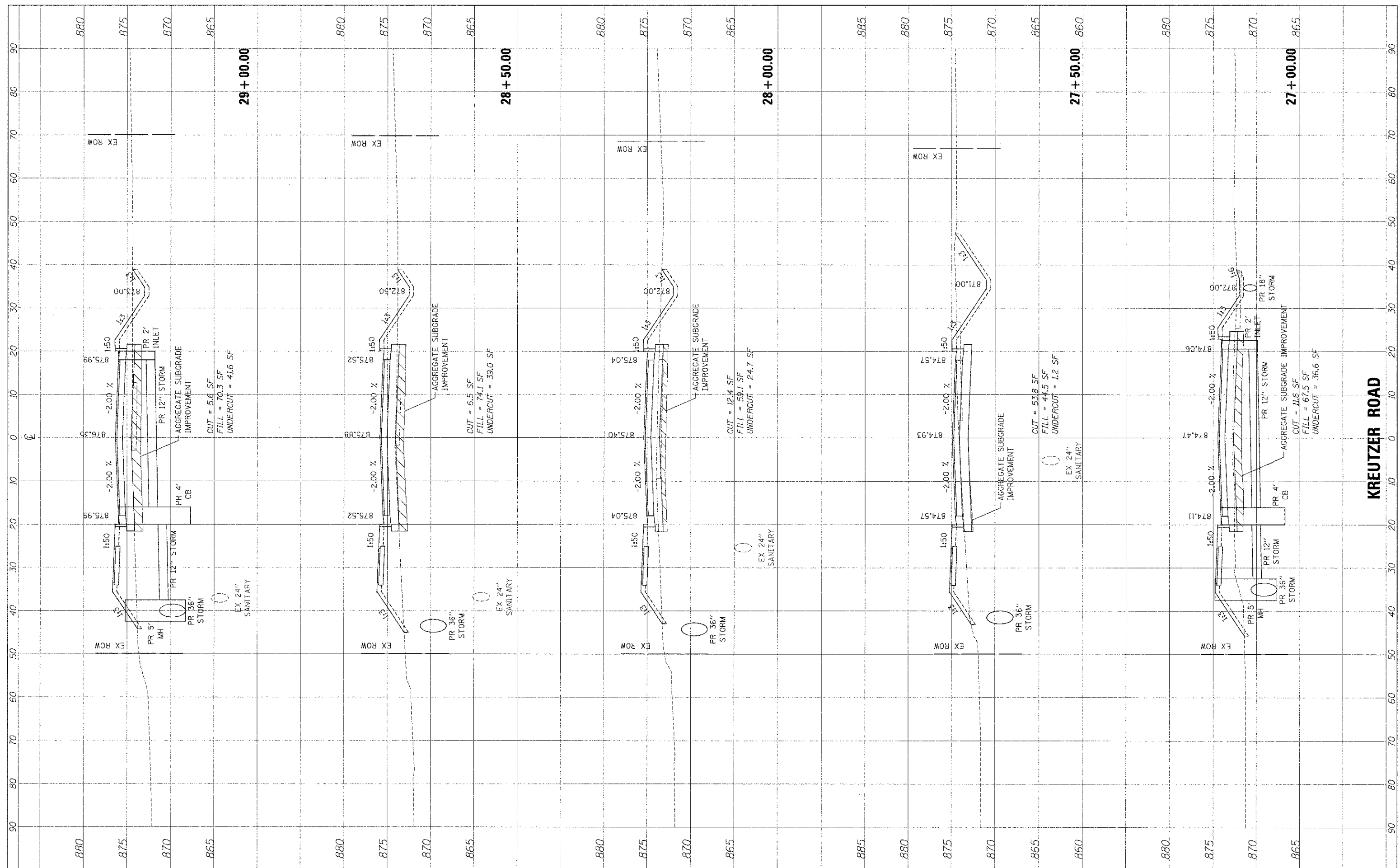
CROSS SECTIONS

SCALE: 10'H : 5'V SHEET NO. 9 OF 24 SHEETS STA. 25+00.00 TO STA. 26+66.31

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-C031-00-PV	McHENRY	167	146
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743	

FINAL	DATE
SURVEY	
PROJECT	
PLATTITLE	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL	DATE
SURVEY	
PROJECT	
PLATTITLE	
NOTE BOOK	
AREAS CHECKED	
NO.	



**KREUTZER ROAD**

FILE NAME: ... \2473-eh-t-xso-kreutzer.dgn

USER NAME = bas	DESIGNED = BAS	REVISED =
	DRAWN = BAS	REVISED =
	CHECKED = CAB	REVISED =
	DATE = 10/22/12	REVISED =

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

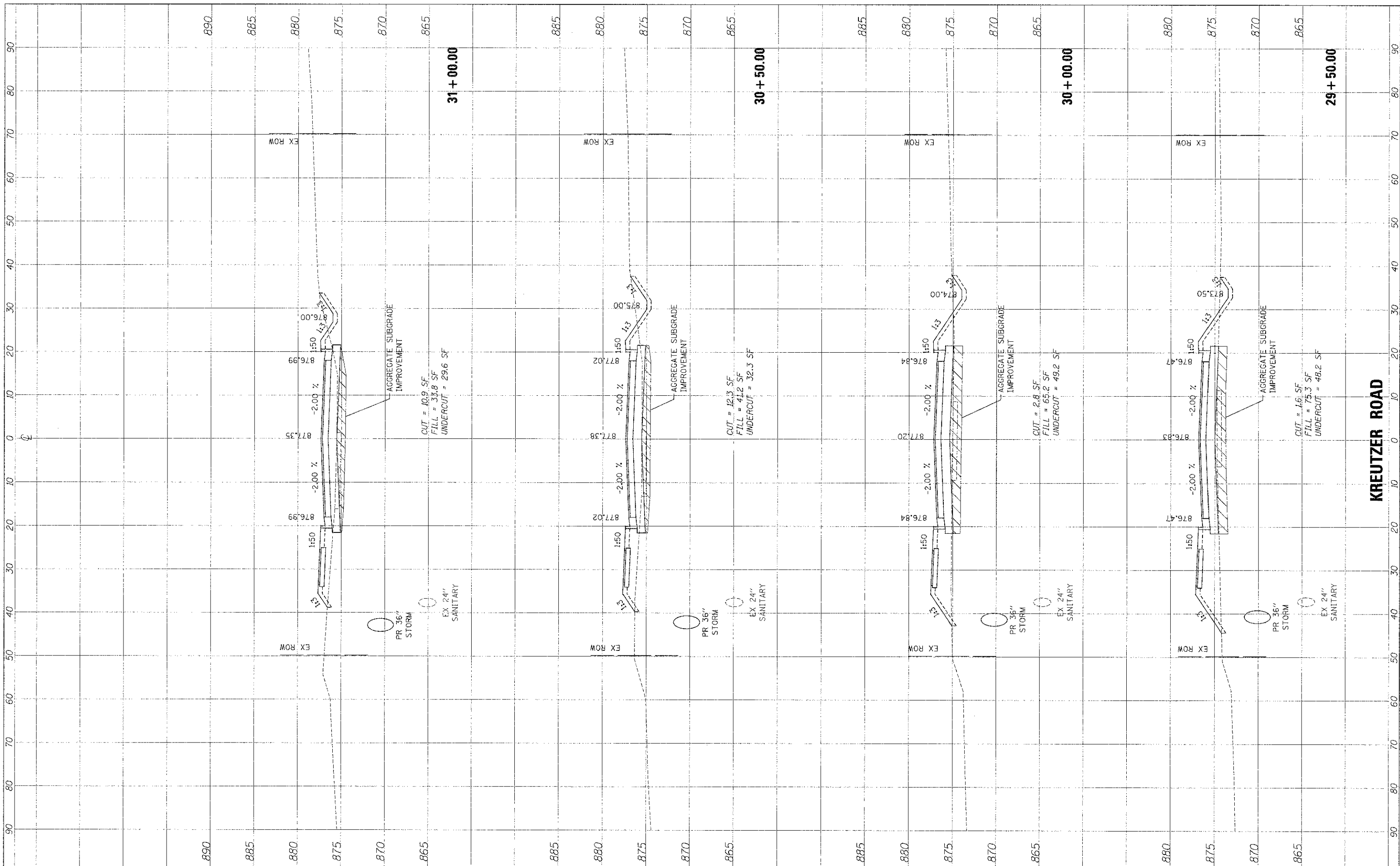
**CROSS SECTIONS**

SCALE: 10'H = 5'V SHEET NO. 10 OF 24 SHEETS STA. 27+00.00 TO STA. 29+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	C7-0031-00-PV	McHENRY	167	147
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743	
FED. AID PROJECT XXX				

NO.	NO.
AREAS CHECKED	AREAS CHECKED
TEMPERATURE	TEMPERATURE
DATE	DATE
BY	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
TEMPERATURE	TEMPERATURE
DATE	DATE
BY	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
TEMPERATURE	TEMPERATURE
DATE	DATE
BY	BY

NO.	NO.
AREAS CHECKED	AREAS CHECKED
TEMPERATURE	TEMPERATURE
DATE	DATE
BY	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
TEMPERATURE	TEMPERATURE
DATE	DATE
BY	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
TEMPERATURE	TEMPERATURE
DATE	DATE
BY	BY



FILE NAME = ...2473-ahtr-ksa-kreutzer.dgn

USER NAME = bas	DESIGNED = BAS	REVISED =
PLAT SCALE = 1/2" = 10'	DRAWN = BAS	REVISED =
PLAT DATE = 10/18/2012	CHECKED = GAB	REVISED =
	DATE = 10/22/12	REVISED =

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

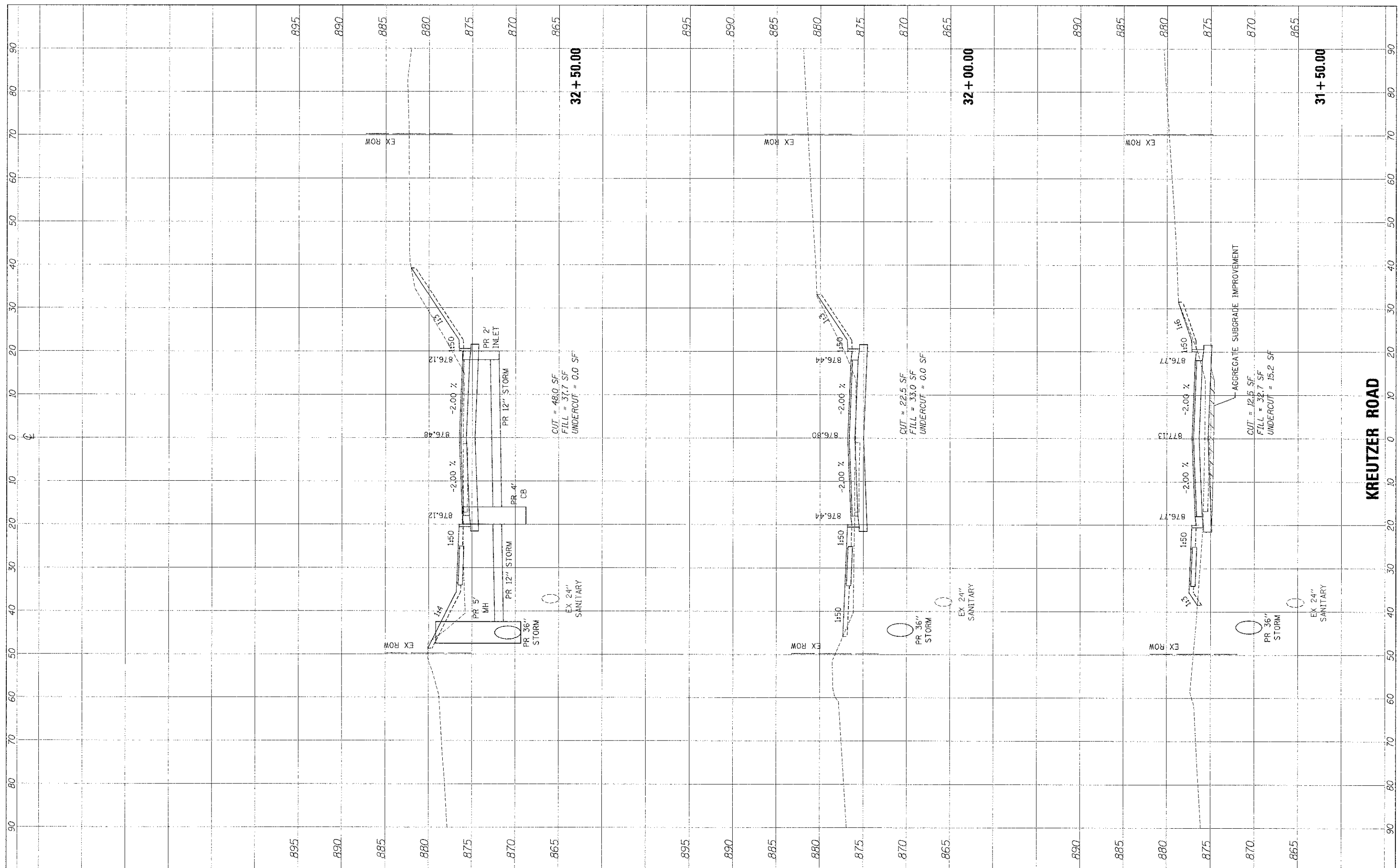
**CROSS SECTIONS**

SCALE: 10'H = 5'V SHEET NO. 11 OF 24 SHEETS STA. 29+50.00 TO STA. 31+00.00

F.A.U. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	148
CONTRACT NO. 63743			FED. ROAD DIST. NO. : ILLINOIS FED. AID PROJECT XXX	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPERATURE		
AREAS	AREAS		
AREAS	AREAS		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPERATURE		
AREAS	AREAS		
AREAS	AREAS		



FILE NAME = ...x2473-shi-xso\_kreutzer.dgn

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PLT SCALE = 10.0000 / 1"	DRAWN = BAS	REVISED =
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	DATE = 10/22/12	REVISED =

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

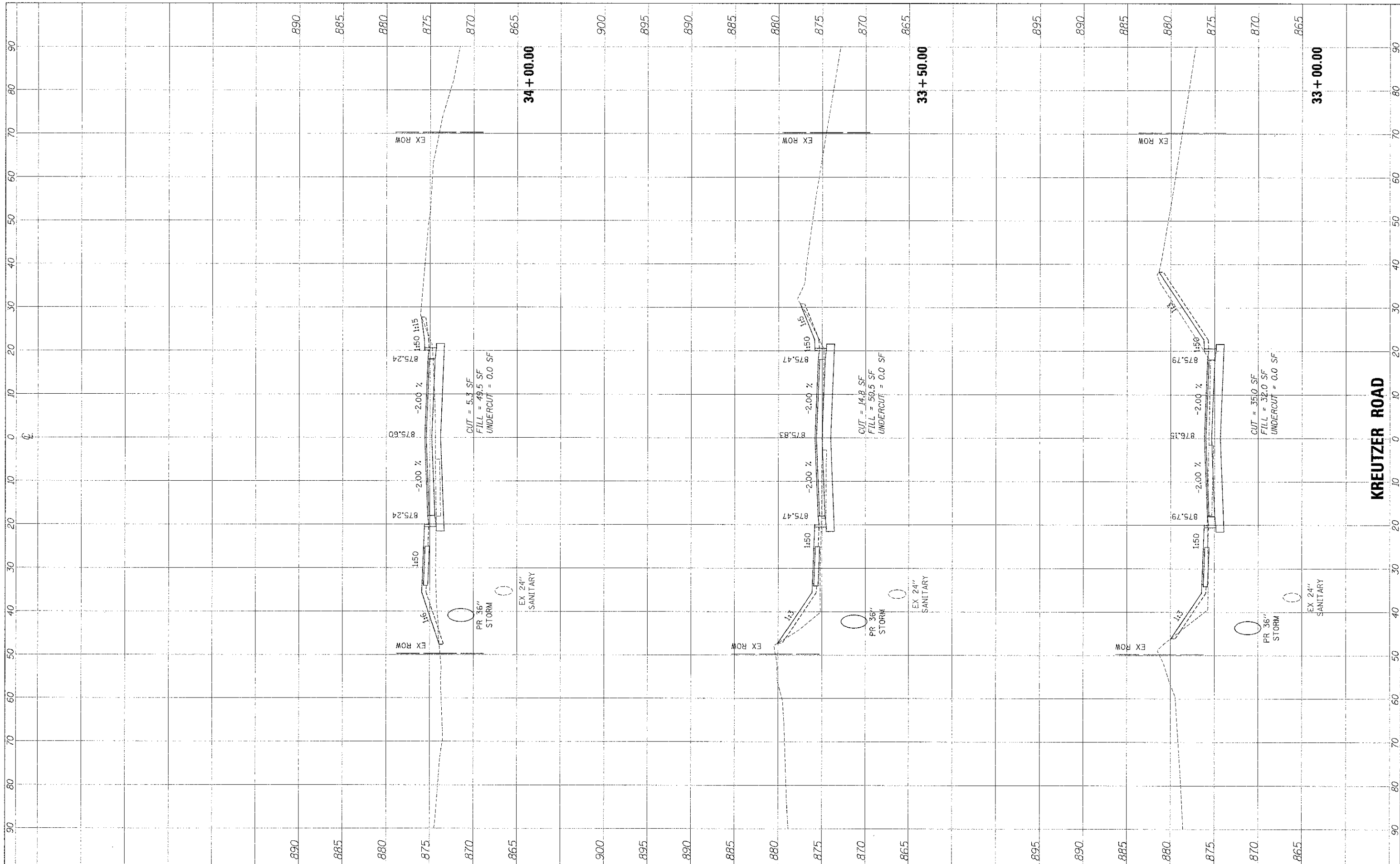
**CROSS SECTIONS**

SCALE: 10'H : 5'V SHEET NO. 12 OF 24 SHEETS STA. 31+50.00 TO STA. 32+50.00

F.A.I.L. RTE. 4068	SECTION 07-0031-00-PV	COUNTY McHENRY	TOTAL SHEETS 167	SHEET NO. 149
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT XXX		
		CONTRACT NO. 63743		

FINAL	DATE
SUBMITTED	
REVISIONS	
NOTED	
TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	

ORIGINAL	DATE
SURVEY	
NOTED	
TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	



FILE NAME = ...12473-sht-xso-kreutzer.dgn  
 USER NAME = bas  
 FLOT SCALE = 10.00000 / in.  
 PLOT DATE = 10/19/2012

DESIGNED	-	BAS	REVISED	-
DRAWN	-	BAS	REVISED	-
CHECKED	-	GAB	REVISED	-
DATE	-	10/22/12	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

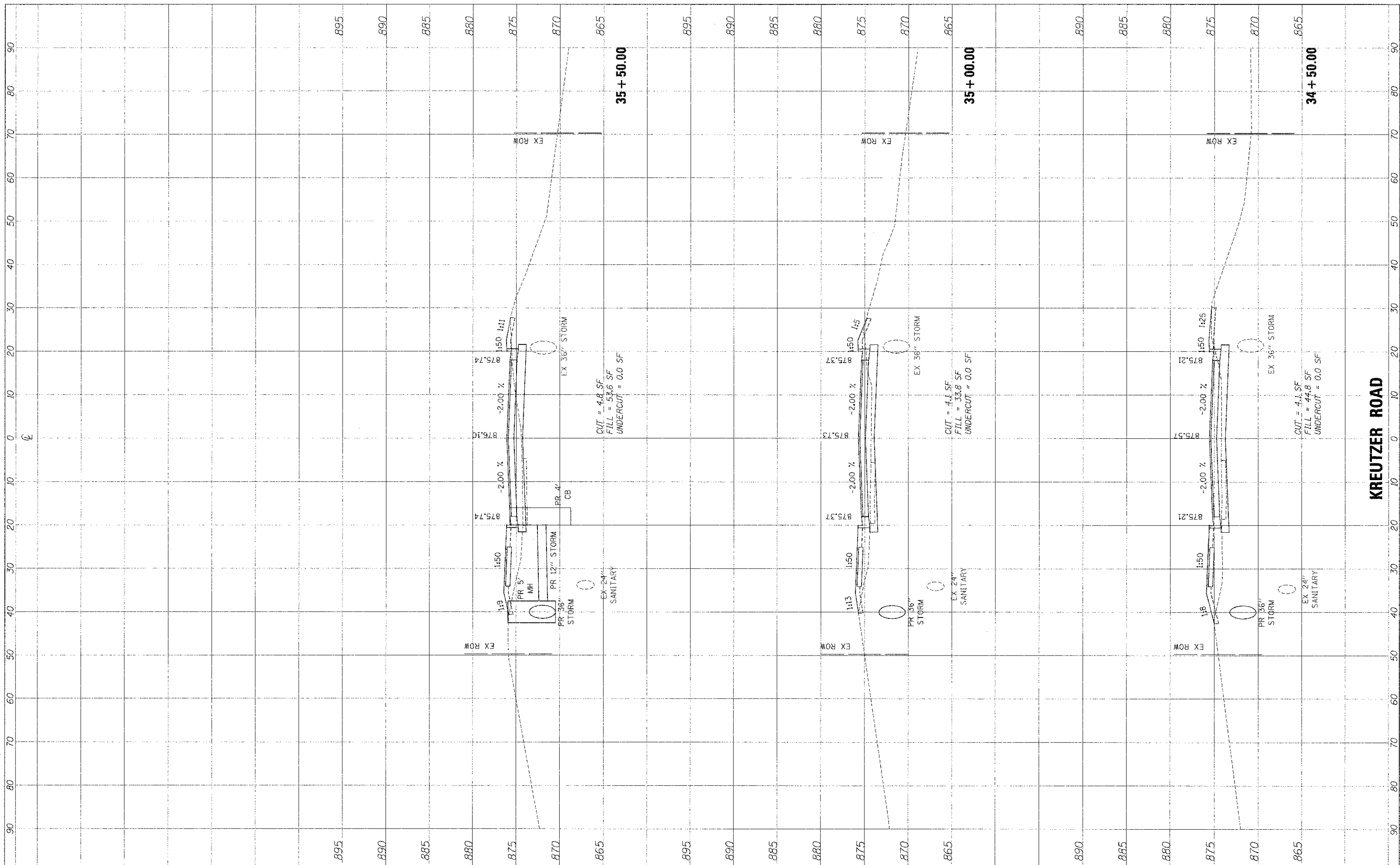
SCALE: 10'H : 5'V SHEET NO. 13 OF 24 SHEETS STA. 33+00.00 TO STA. 34+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	150
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743	
FED. AID PROJECT XXX				

**KREUTZER ROAD**

FINAL SURVEY	DATE
SURVEYED	BY
TEMP. DATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
TEMP. DATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



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PLOT DATE = 10/18/2012	CHECKED - GAB	REVISED -
	DATE - 10/22/12	REVISED -

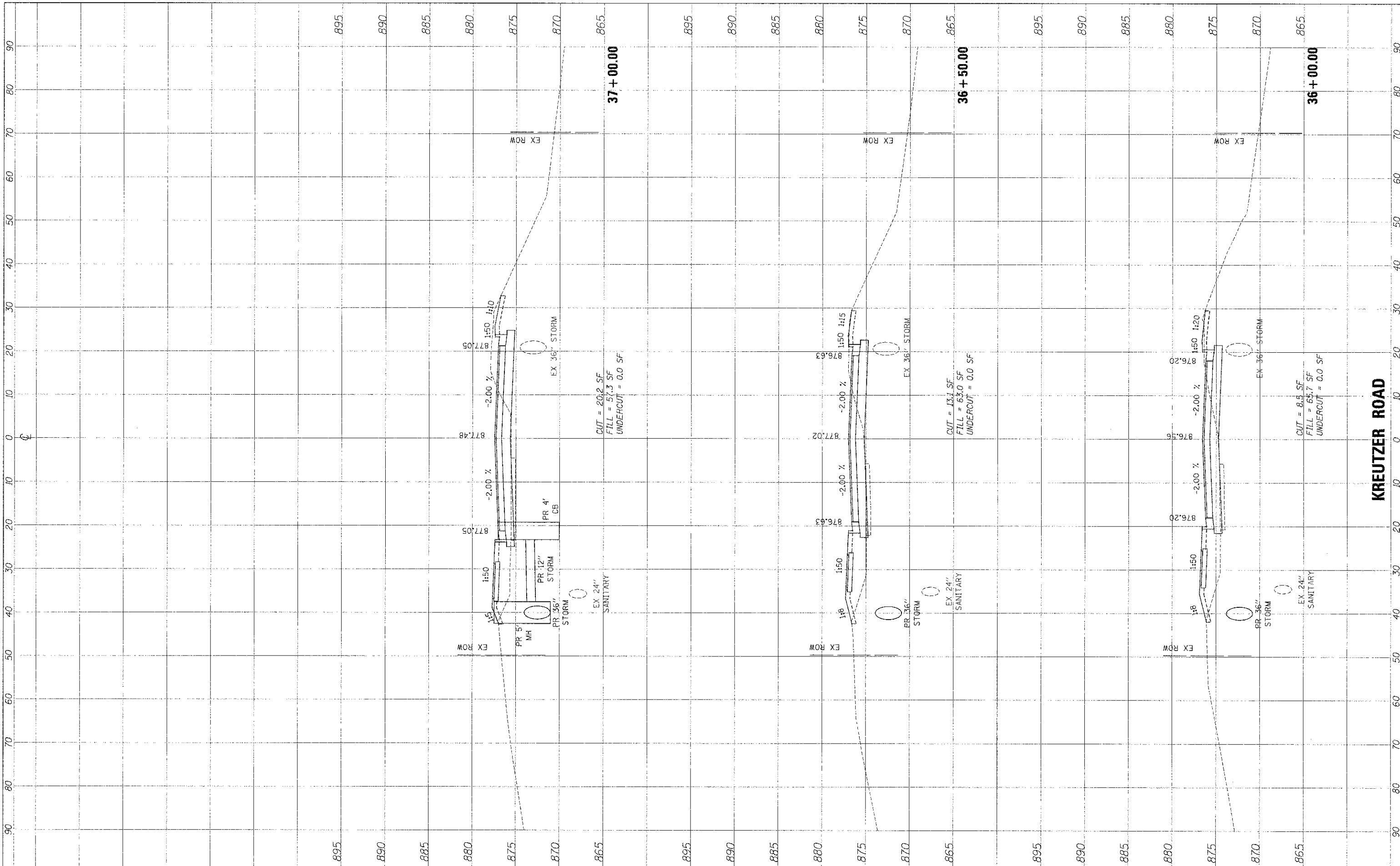
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS</b>	
SCALE: 10'H = 5'V	SHEET NO. 14 OF 24 SHEETS
STA. 34+50.00	TO STA. 35+50.00

F.A.U. RTE. 4068	SECTION 07-0031-00-PV	COUNTY McHENRY	TOTAL SHEETS 167	SHEET NO. 151
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJ. NO. XXX-----		
CONTRACT NO. 63743				

FINAL	SUBMITTED	BY	DATE
SAVED	DATE		
NOTE BOOK	NO.		
AREAS CHECKED			

ORIGINAL	SURVEY	BY	DATE
NOTE BOOK	NO.		
AREAS CHECKED			



FILE NAME: ...2473-sh-t-xac\_kreutzer.dgn  
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DESIGNED	-	BAS	REVISED	-
DRAWN	-	BAS	REVISED	-
CHECKED	-	GAB	REVISED	-
DATE	-	10/22/12	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: 10'H : 5'V SHEET NO. 15 OF 24 SHEETS STA. 36+00.00 TO STA. 37+00.00

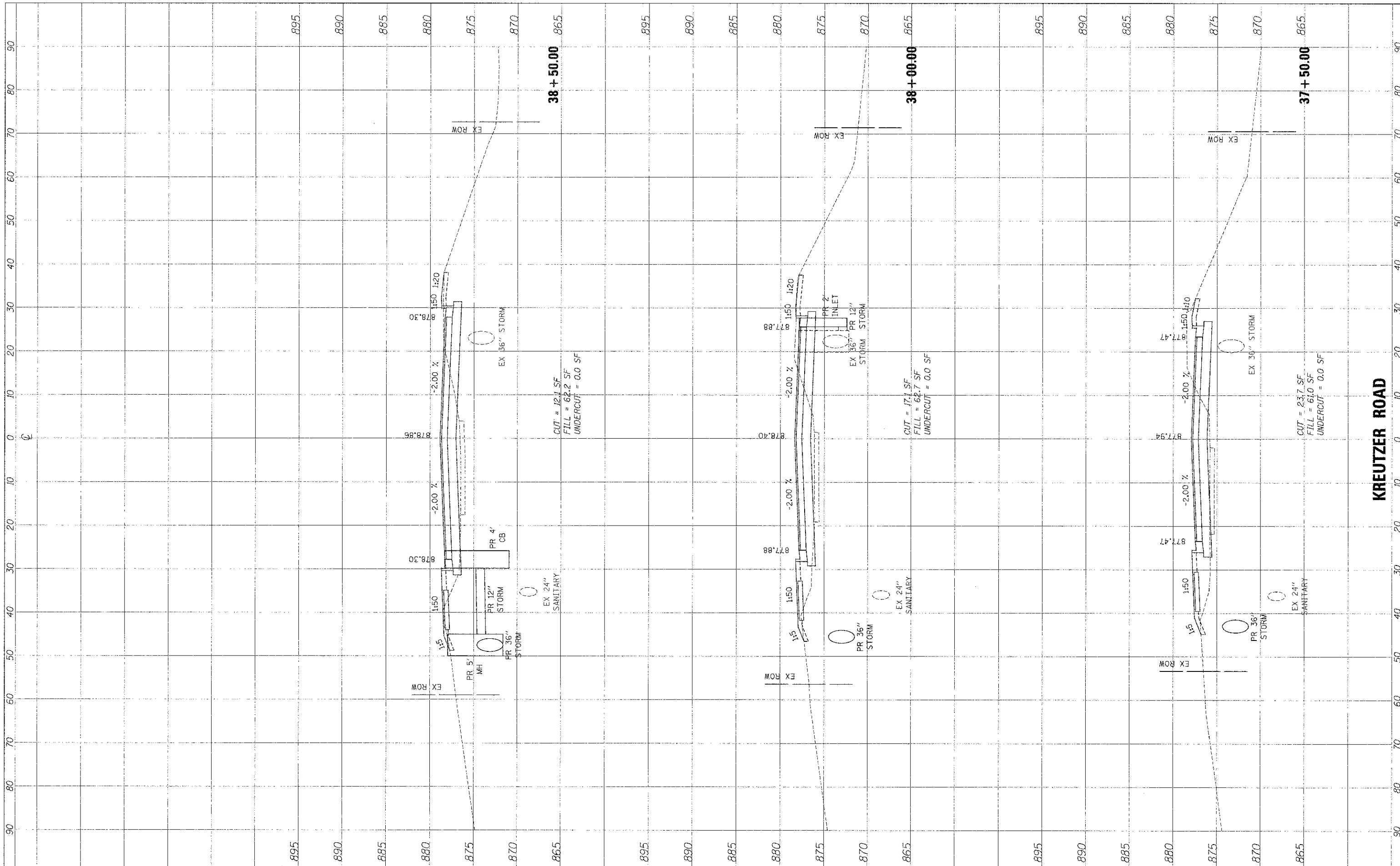
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	152
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT XXX-XXXX			CONTRACT NO. 63743	

**KREUTZER ROAD**



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

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



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	CHECKED - GAB	REVISED -
	DATE - 10/22/12	REVISED -

DESIGNED - BAS	REVISED -
DRAWN - BAS	REVISED -
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DATE - 10/22/12	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

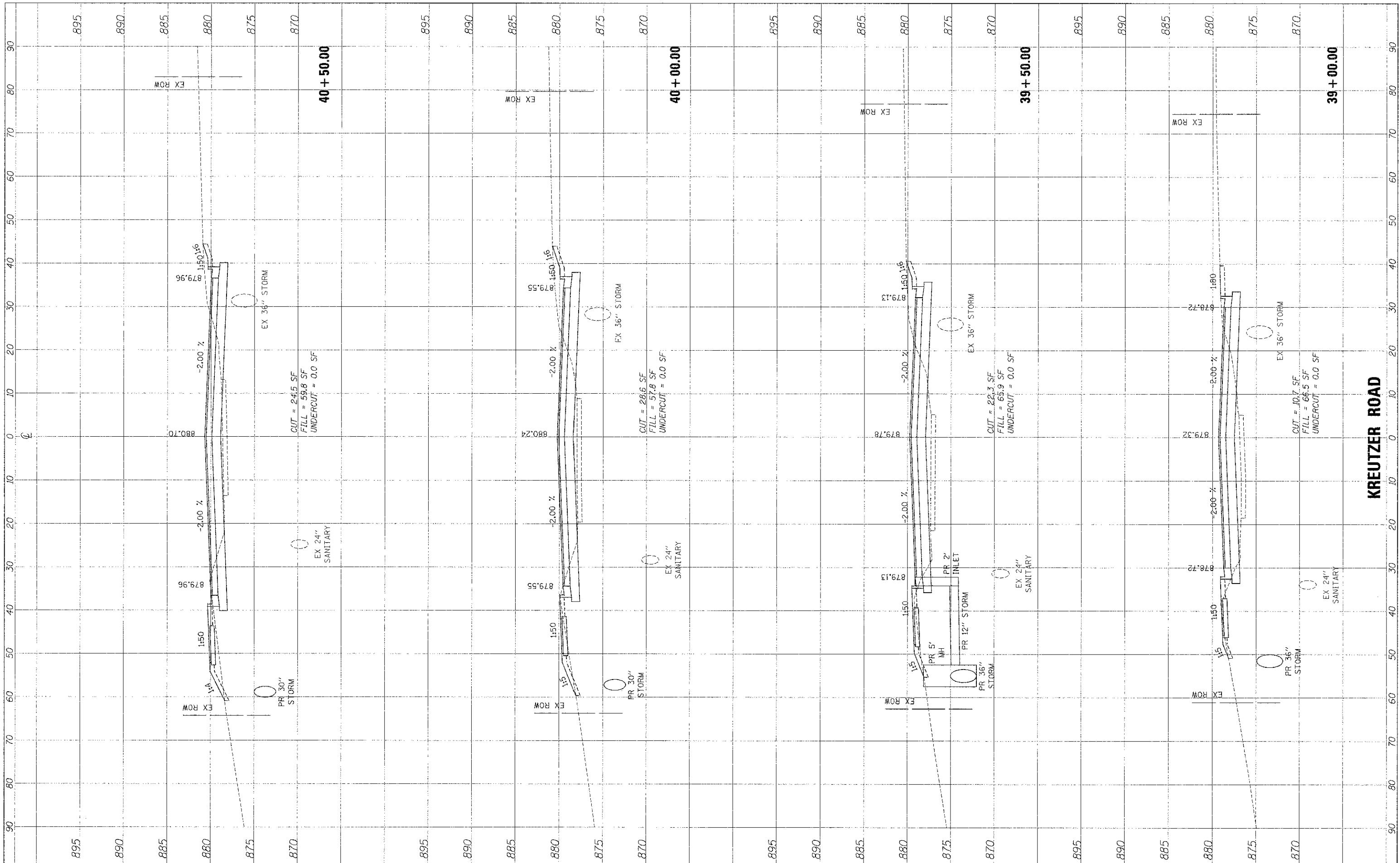
SCALE: 10'H : 5'V SHEET NO. 16 OF 24 SHEETS STA. 37+50.00 TO STA. 38+50.00

F.A.U. RTE. 4068	SECTION 07-0031-00-PV	COUNTY McHENRY	TOTAL SHEETS 167	SHEET NO. 153
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743	
FED. AID PROJECT XXX-XXXX				

**KREUTZER ROAD**

NO.	DATE

NO.	DATE



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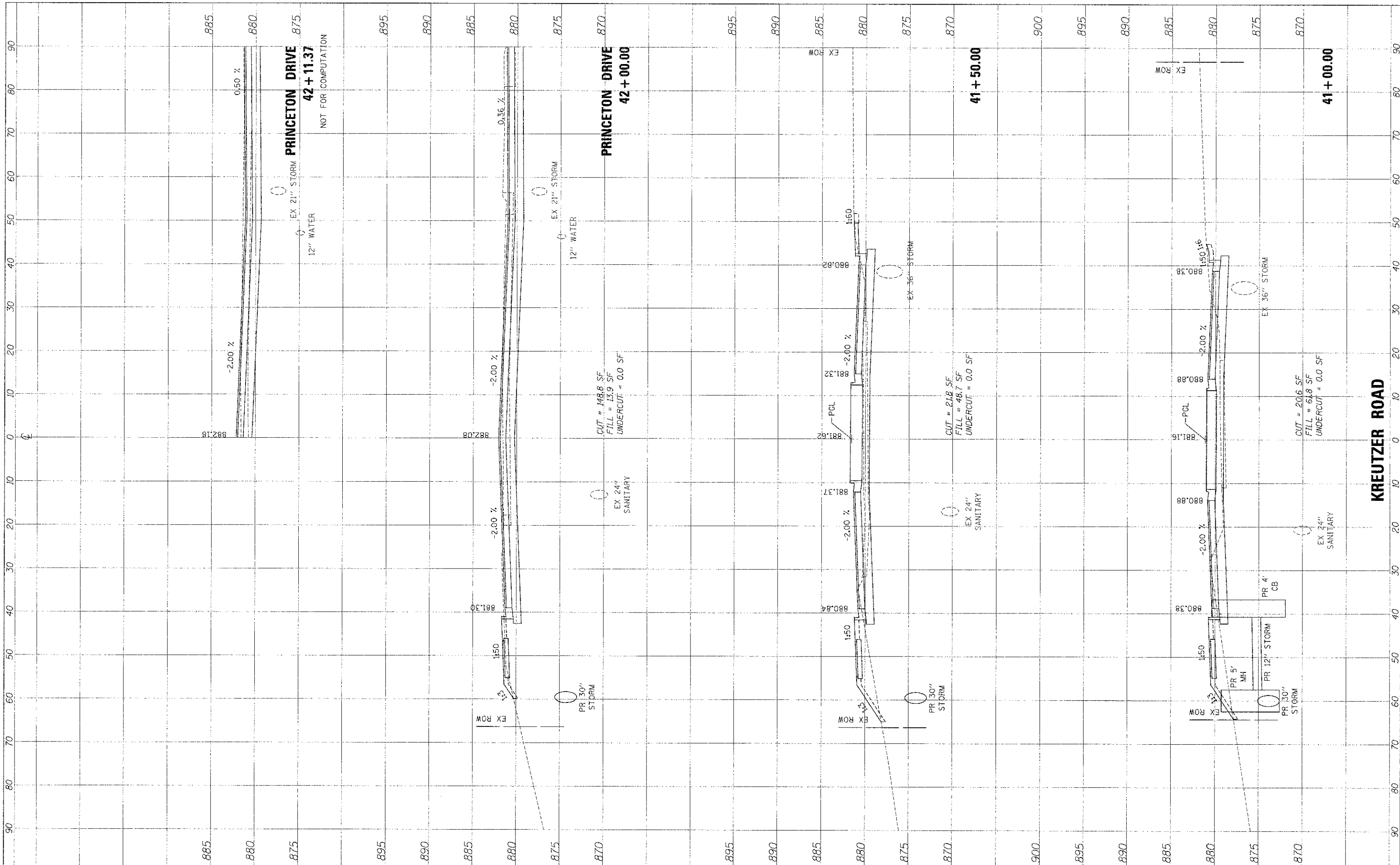
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DRAWN	- BAS	REVISED	-
CHECKED	- GAB	REVISED	-
DATE	- 10/22/12	REVISED	-

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

FINAL SURVEY	DATE
BLANKETED	
PLOTTED	
NOTE BOOK NO.	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK NO.	
AREAS CHECKED	



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

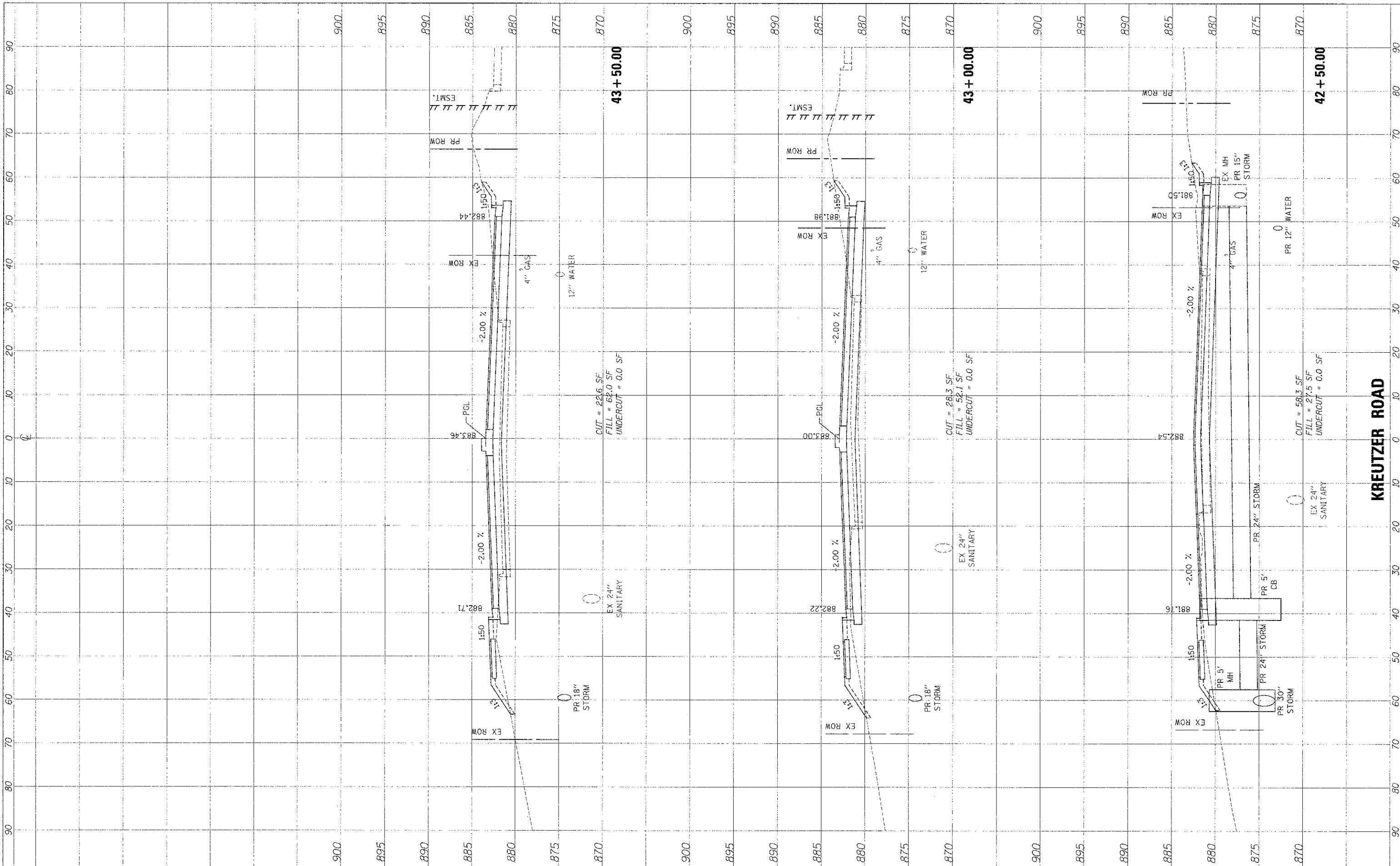
**CROSS SECTIONS**

SCALE: 10'H = 5'V SHEET NO. 18 OF 24 SHEETS STA. 41+00.00 TO STA. 42+11.37

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	MCHENRY	167	155
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743	
FED. AID PROJECT XXX-----				

TRIAL	DATE
SURVEY	
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PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

ORIGINAL	DATE
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PLOTTED	
TEMPLATE	
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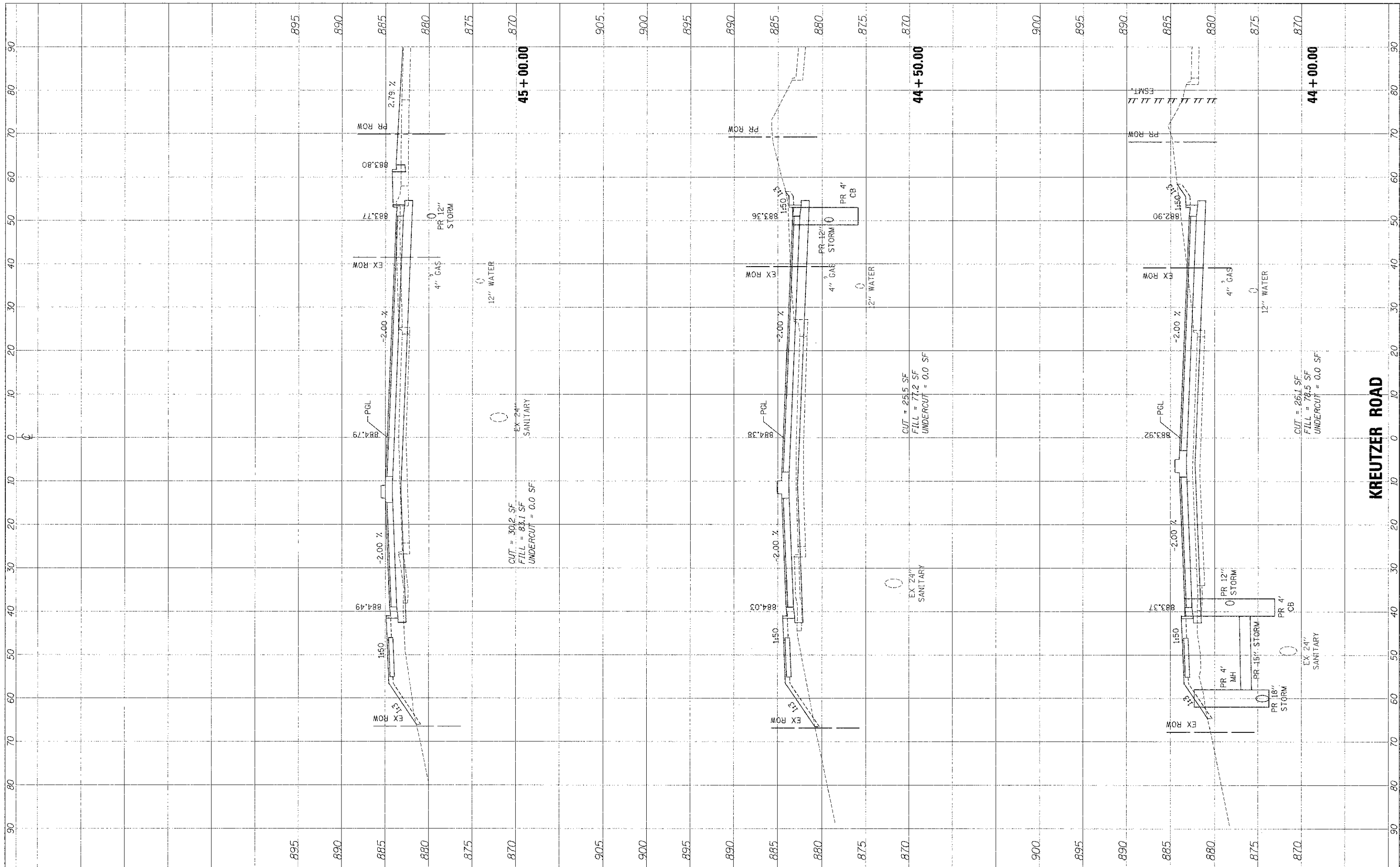
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
SCALE: 10'H : 5'V SHEET NO. 19 OF 24 SHEETS STA. 42+50.00 TO STA. 43+50.00

F.A.U. RTE. 4068	SECTION 07-C031-00-PV	COUNTY McHENRY	TOTAL SHEETS 167	SHEET NO. 156
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743	
FED. AID PROJECT XXX				

FINAL	SUBMITTED	DATE
SURVEY	PLOTTED	
NOTE BOOK	TEMPLATE	
AREAS	CHECKED	

ORIGINAL	SUBMITTED	DATE
SURVEY	PLOTTED	
NOTE BOOK	TEMPLATE	
AREAS	CHECKED	



FILE NAME = ...2473-sh-tr-kreuzer.dgn

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

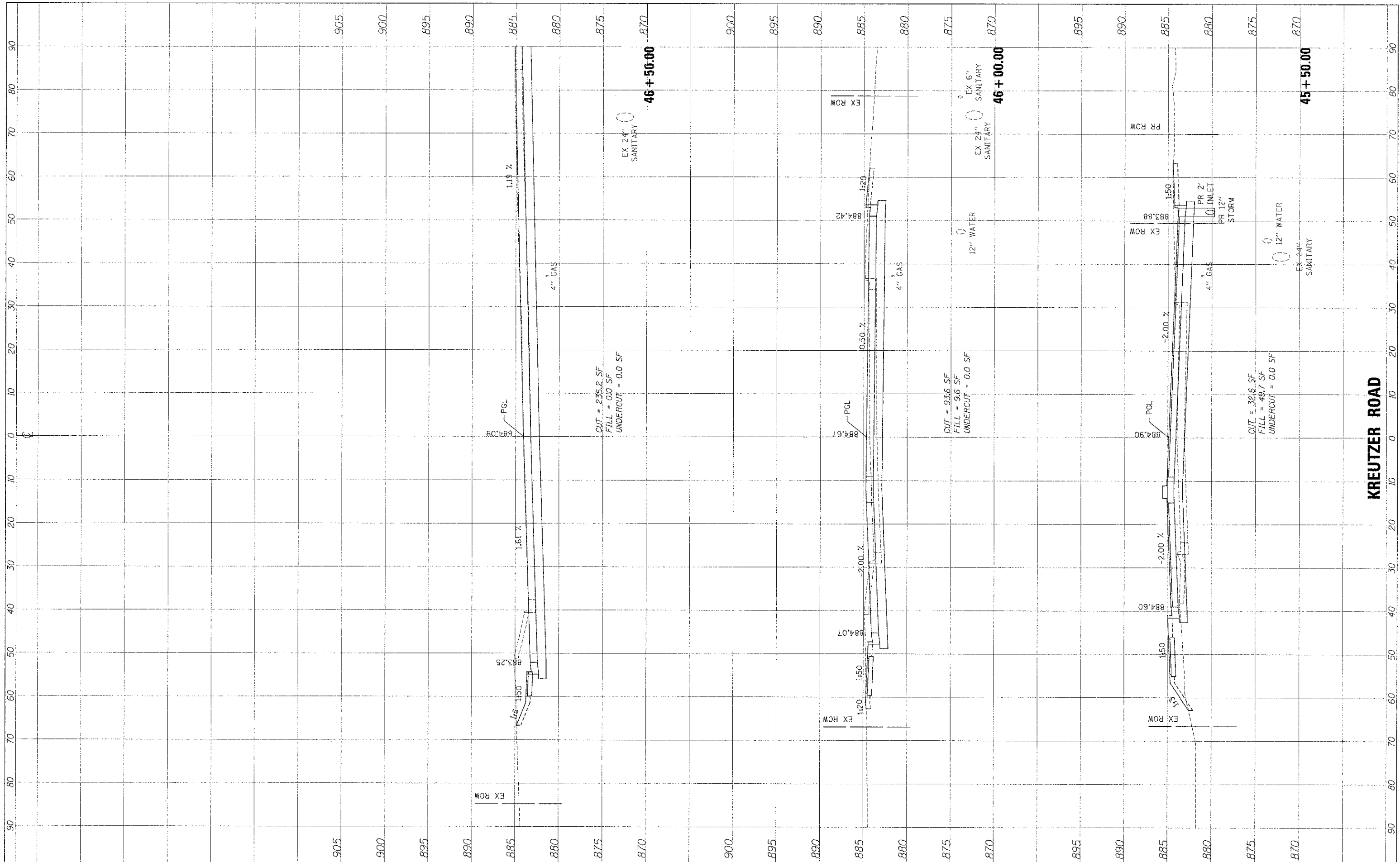
**CROSS SECTIONS**

SCALE: 10'H : 5'V SHEET NO. 20 OF 24 SHEETS STA. 44+00.00 TO STA. 45+00.00

F.A.U. RTE. 4068	SECTION 07-C031-00-PV	COUNTY McHENRY	TOTAL SHEETS 167	SHEET NO. 157
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743	
FED. AID PROJECT XXX				

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

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



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

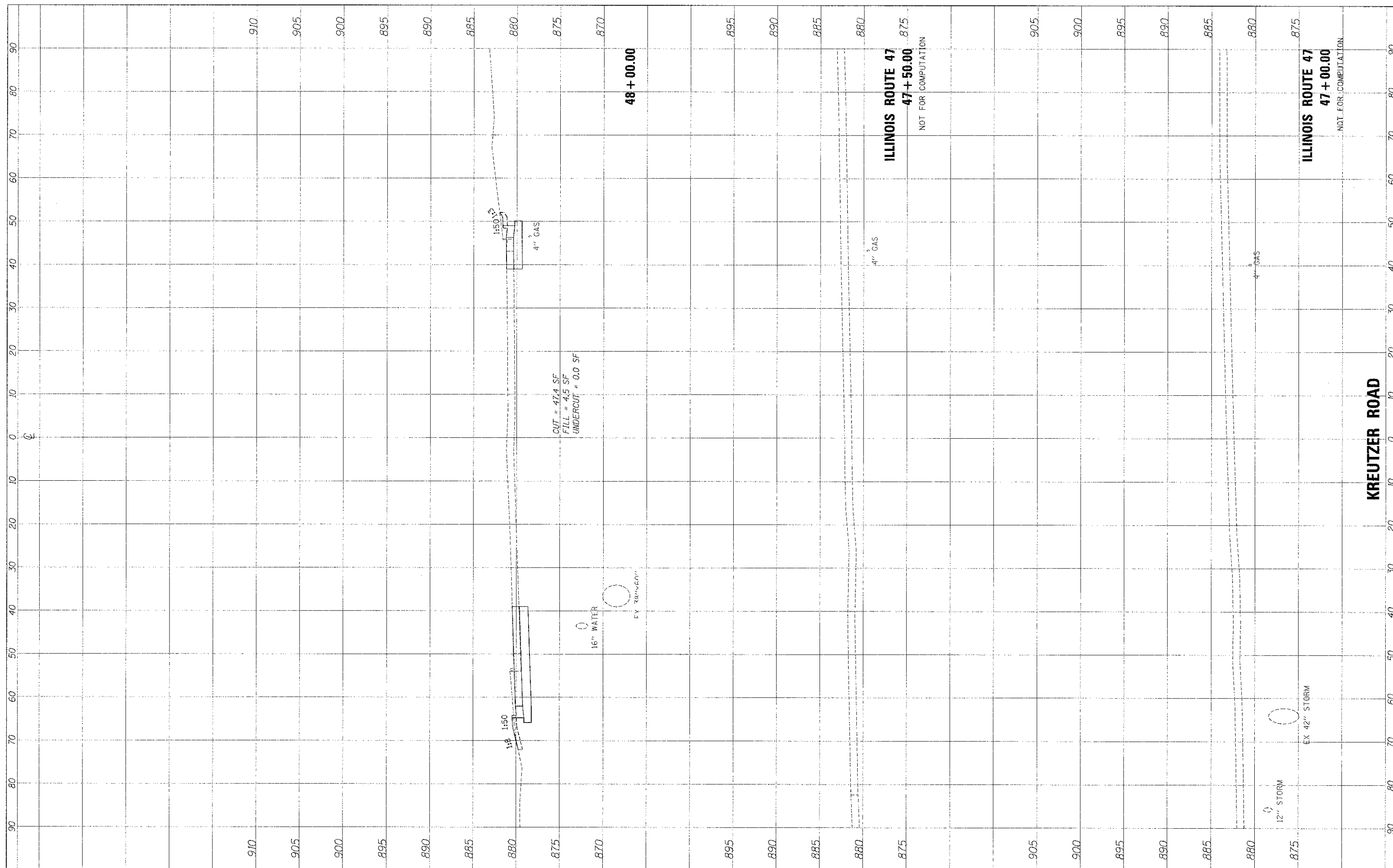
**CROSS SECTIONS**

SCALE: 10'H : 5'V SHEET NO. 21 OF 24 SHEETS STA. 45+50.00 TO STA. 46+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	MOHENRY	167	158
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743	
FED. AID PROJECT XXX				

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

ORIGINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		



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CHECKED - GAB  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

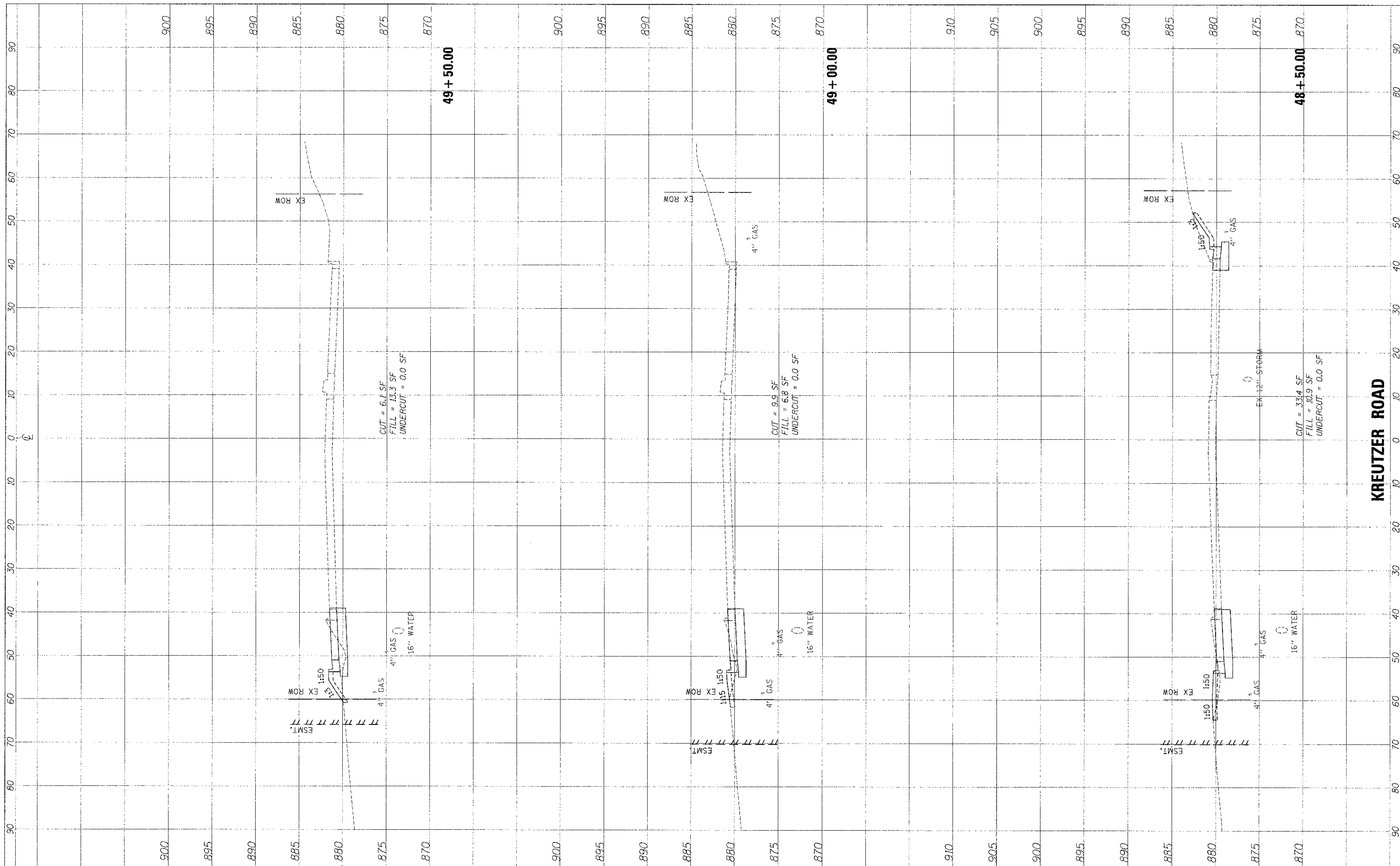
**CROSS SECTIONS**

SCALE: 10' H : 5' V SHEET NO. 22 OF 24 SHEETS STA. 47+00.00 TO STA. 48+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	159
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743	
FED. AID PROJECT XXX				

FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	DATE
NOTE BOOK	AREAS
NO. OF SHEETS	CHANGED

ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	DATE
NOTE BOOK	AREAS
NO. OF SHEETS	CHANGED



FILE NAME : ...2473-shr-xcc\_kreutzer.dgn

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

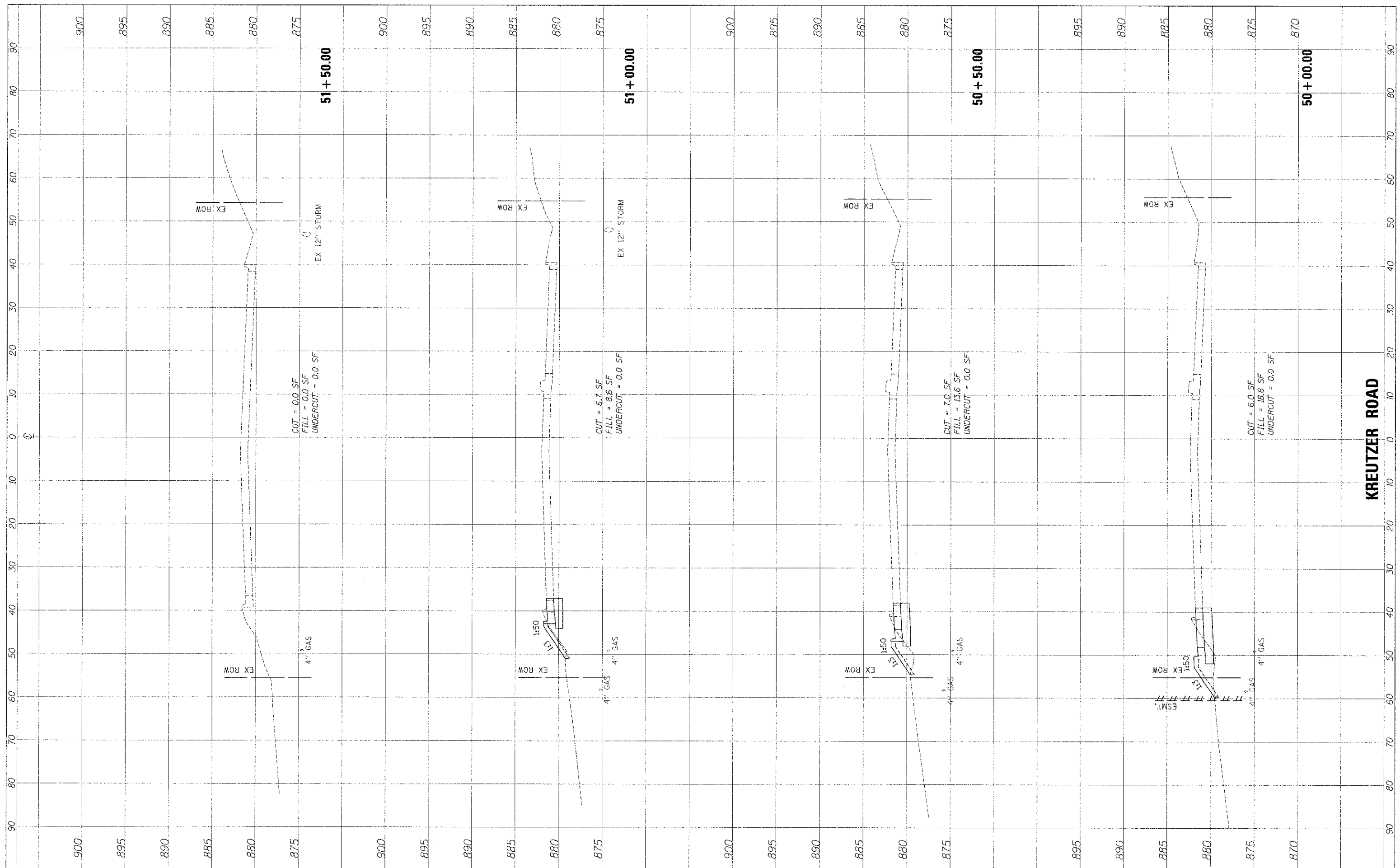
SCALE: 10'H : 5'V    SHEET NO. 23 OF 24 SHEETS    STA. 48+50.00    TO STA. 49+50.00

F.A.U. RTE. 4068	SECTION 07-0031-00-PV	COUNTY McHENRY	TOTAL SHEETS 167	SHEET NO. 160
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743	
FED. AID PROJECT XXX-----				



FINAL SURVEY NO.	BY	DATE
SURVEY PLOTTED		
NOTE BOOK		
AREAS CHECKED		
AREAS ENDED		

ORIGINAL SURVEY NO.	BY	DATE
SURVEY PLOTTED		
NOTE BOOK		
AREAS CHECKED		
AREAS ENDED		



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 CHECKED - GAB  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

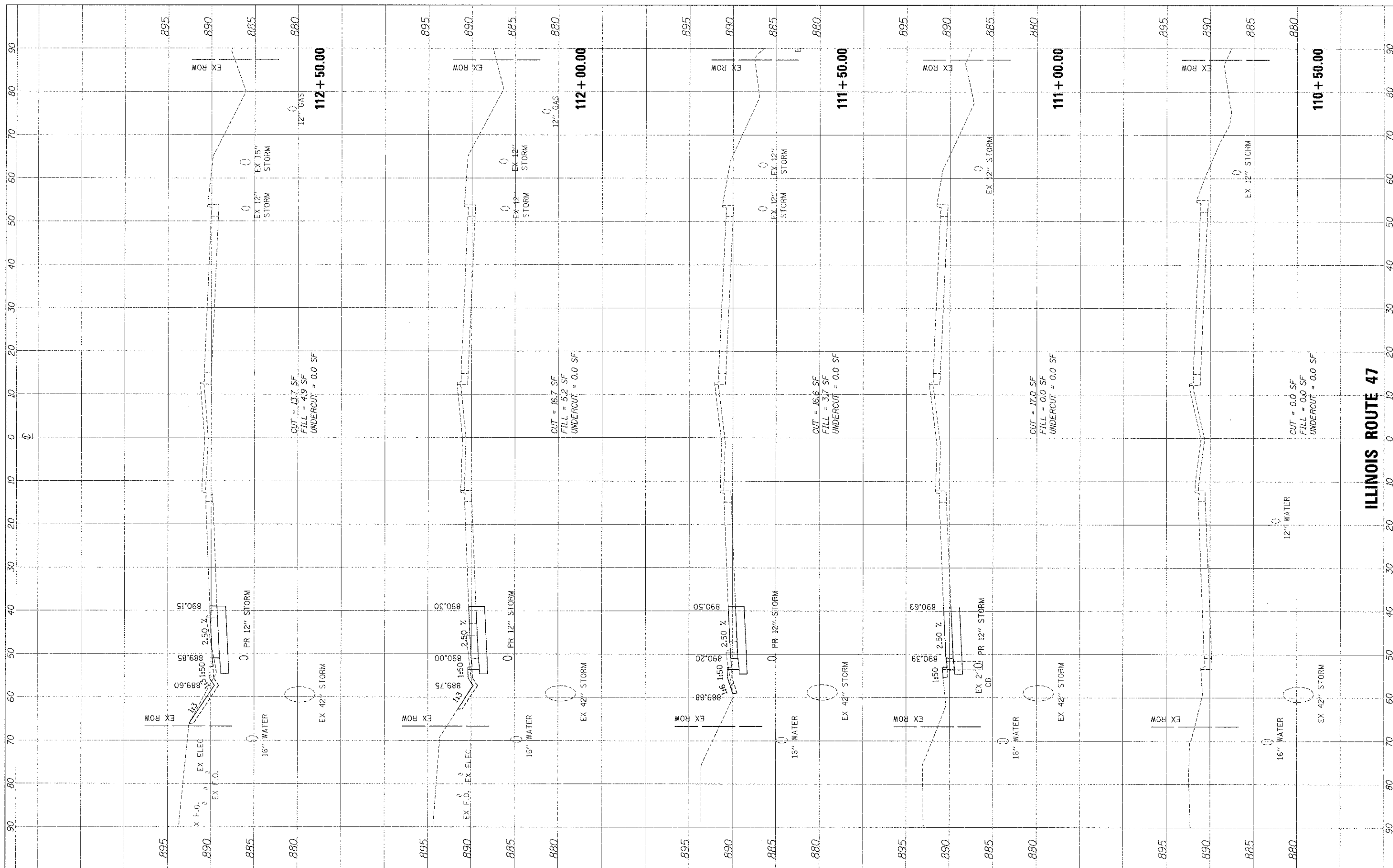
**CROSS SECTIONS**

SCALE: 10'H : 5'V SHEET NO. 24 OF 24 SHEETS STA. 50+00.00 TO STA. 51+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	161
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT XXX	
			CONTRACT NO. 63743	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

DESIGN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

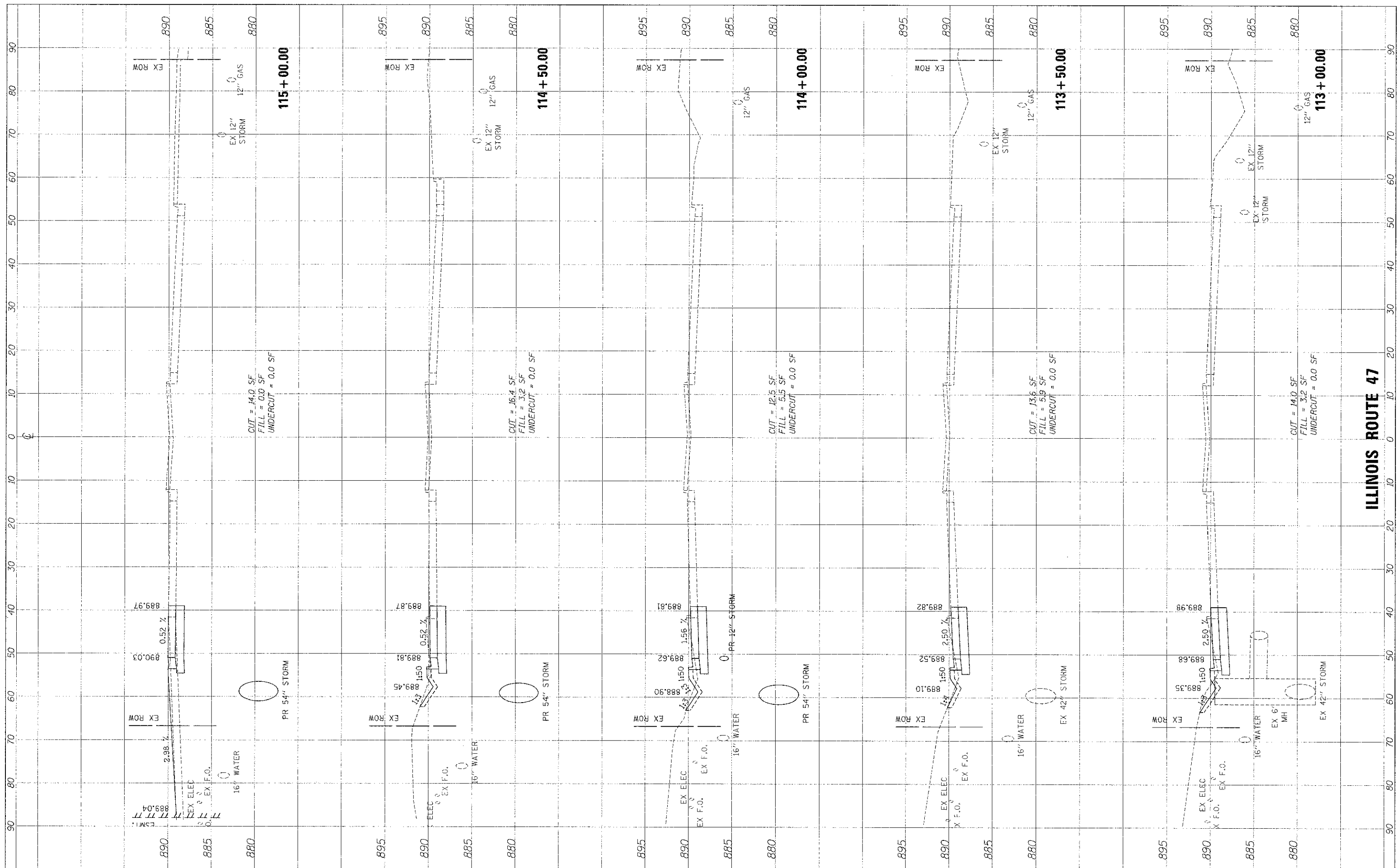
**CROSS SECTIONS**  
 SCALE: 10'H : 5'V SHEET NO. 1 OF 6 SHEETS STA. 110+50.00 TO STA. 112+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
4068	07-0031-00-PV	MCHENRY	167 / 162
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT XXX-----	CONTRACT NO. 63743

**ILLINOIS ROUTE 47**

FINAL	DATE
SURVISED	BY
NOTED	
PLOTTED	
TEMPLATE	
AREAS	
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ORIGINAL	DATE
SURVISED	BY
NOTED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	



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DRAWN - BAS	REVISED -
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DATE - 10/22/12	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

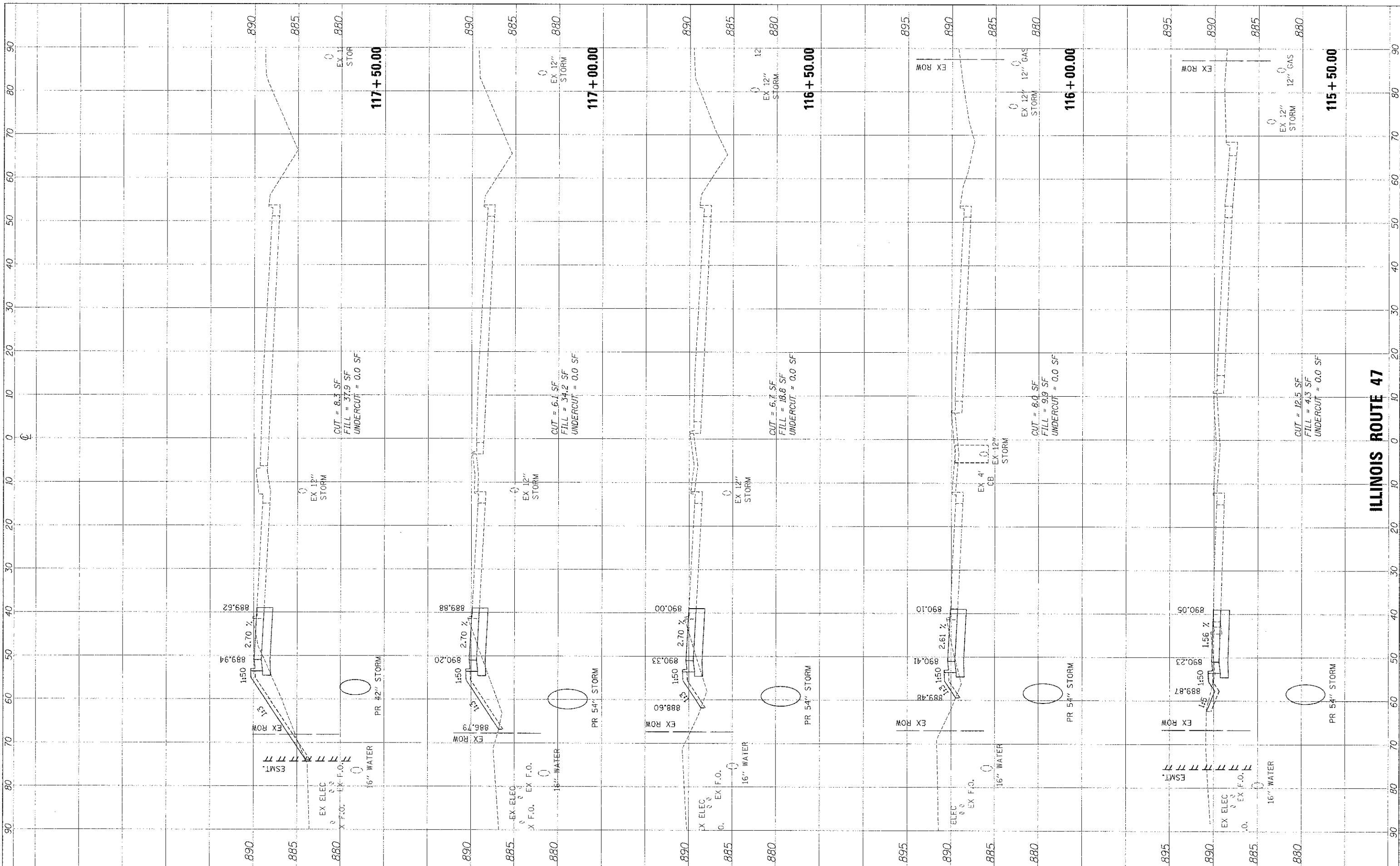
SCALE: 10'H : 5'V SHEET NO. 2 OF 6 SHEETS STA. 113+00.00 TO STA. 115+00.00

F.A. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	163
FED. ROAD DIST. NO. : ILLINOIS			FED. AID PROJECT XXX-----	
			CONTRACT NO. 63743	

**ILLINOIS ROUTE 47**

FINAL SURVEY	DATE
SKIPPED	
NOTE BOOK	
TEMPLATE	
AREAS	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SKIPPED	
NOTE BOOK	
TEMPLATE	
AREAS	
AREAS CHECKED	



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 PLOT DATE = 10/19/2012

DESIGNED	BAS	REVISED	-
DRAWN	BAS	REVISED	-
CHECKED	GAB	REVISED	-
DATE	10/22/12	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

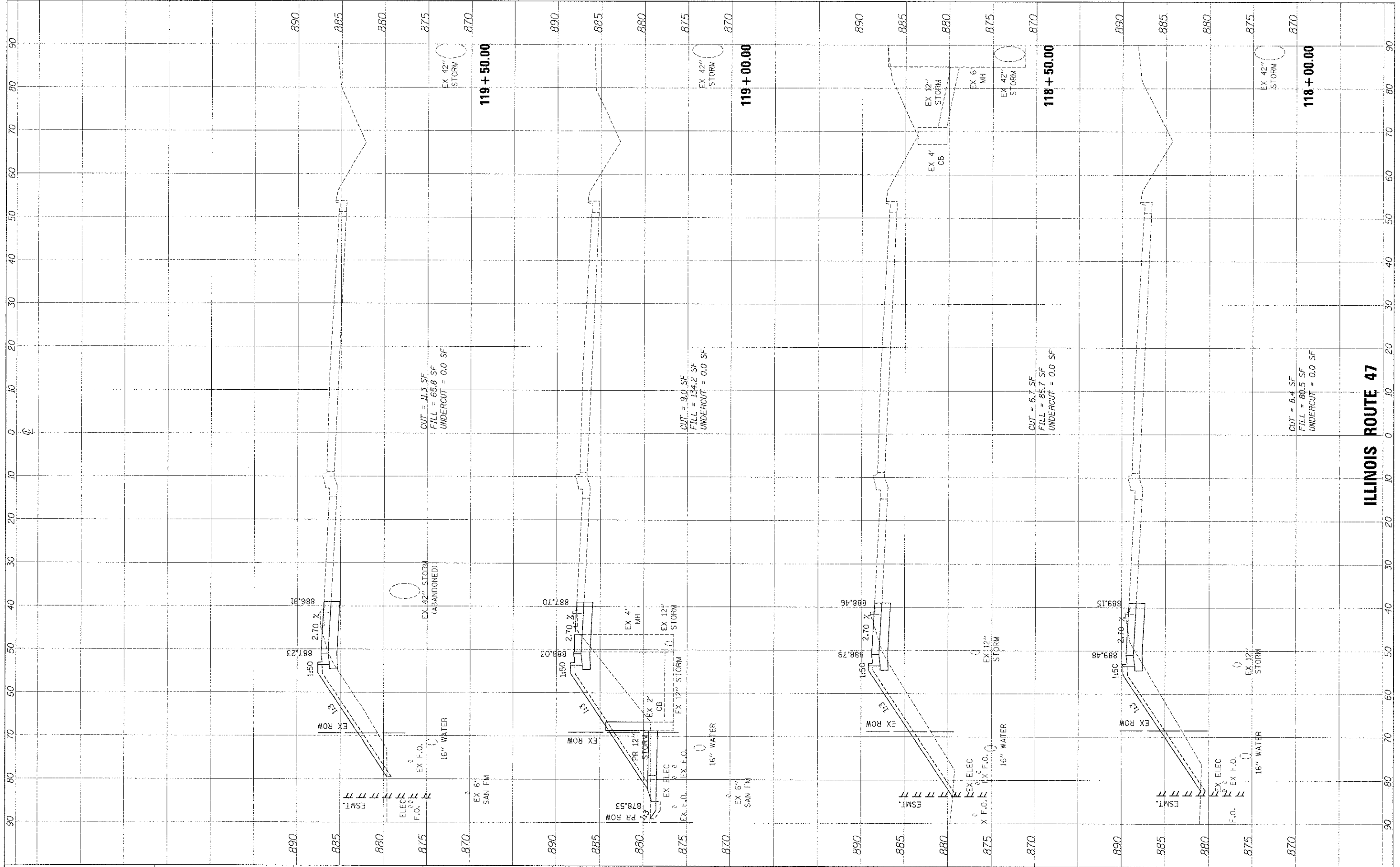
**CROSS SECTIONS**  
 SCALE: 10'H : 5'V SHEET NO. 3 OF 6 SHEETS STA. 115+50.00 TO STA. 117+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	164
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT XXX		
CONTRACT NO. 63743				

**ILLINOIS ROUTE 47**

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

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



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

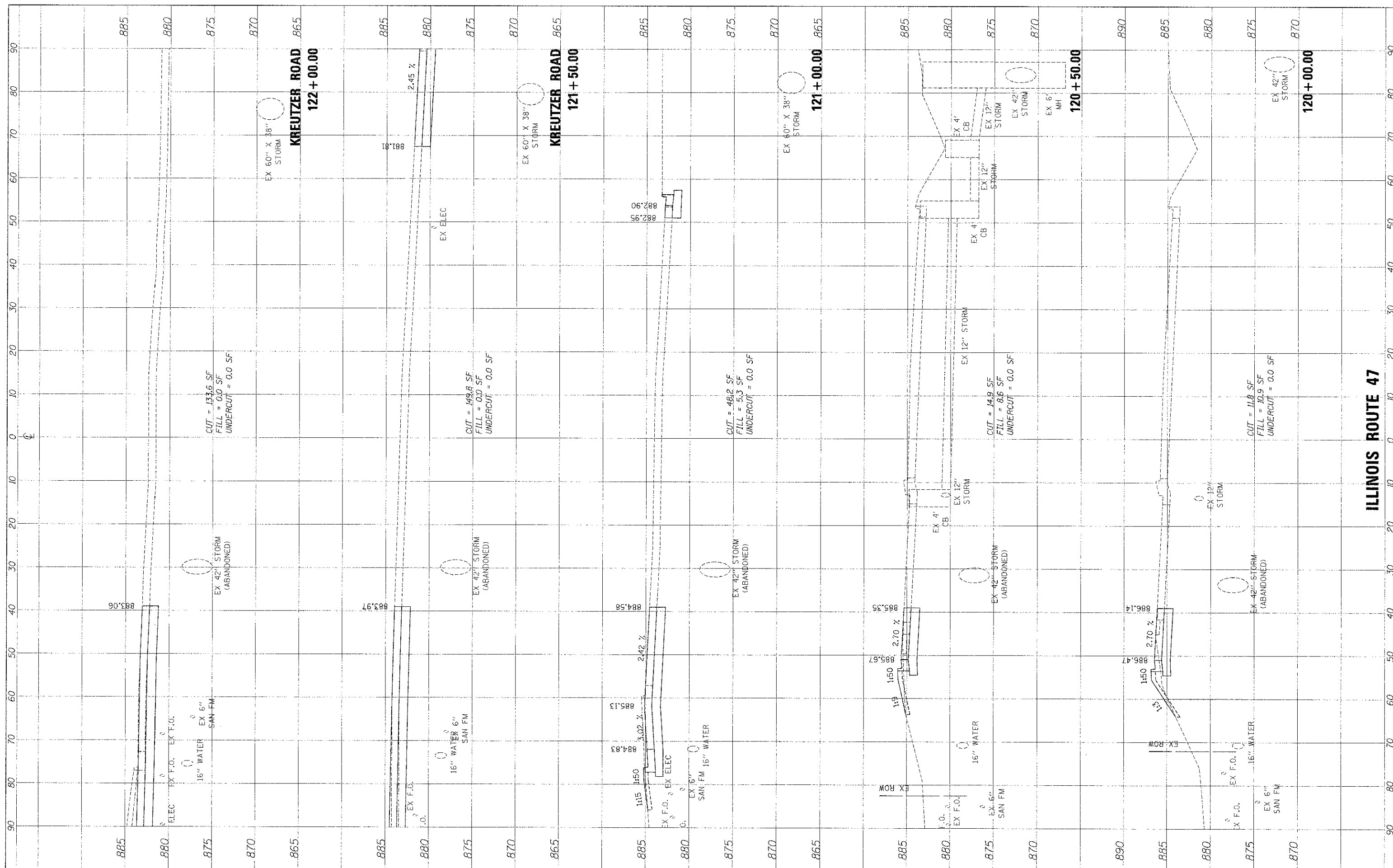
SCALE: 10'H : 5'V SHEET NO. 4 OF 6 SHEETS STA. 118+00.00 TO STA. 119+50.00

F.A. RTE. 4068	SECTION 07-0031-00-PV	COUNTY MCHEMRY	TOTAL SHEETS 167	SHEET NO. 165
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT XXX	CONTRACT NO. 63743	

**ILLINOIS ROUTE 47**

FINAL SURVEY	DATE
NO. _____	BY _____
DATE _____	BY _____
NO. _____	BY _____
DATE _____	BY _____
NO. _____	BY _____
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DATE _____	BY _____
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DATE _____	BY _____

ORIGINAL SURVEY	DATE
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DATE _____	BY _____
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DATE _____	BY _____



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 CHECKED - GAB  
 DATE - 10/22/12

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: 10'H : 5'V  
 SHEET NO. 5 OF 6 SHEETS  
 STA. 120+00.00 TO STA. 122+00.00

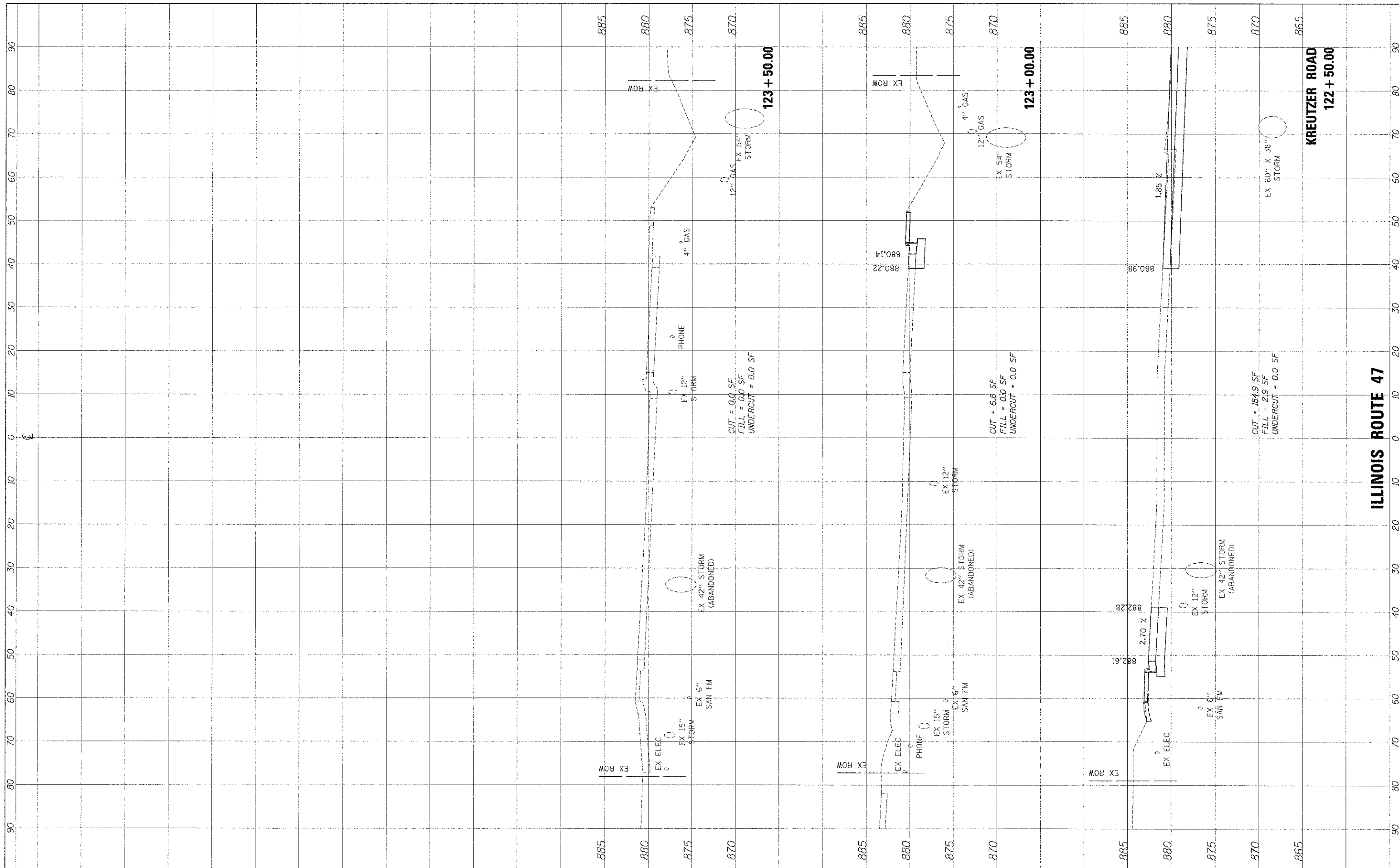
**CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	166
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63743	
FED. AID PROJECT XXX				

**ILLINOIS ROUTE 47**

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

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



FILE NAME : \\2473-sh\tr\ss\11-47.dgn

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PLLOT SCALE = 10'0000' / 1" =	DRAWN - BAS	REVISED -
PLLOT DATE = 10/18/2012	CHECKED - GAB	REVISED -
	DATE - 10/22/12	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: 10'H : 5'V SHEET NO. 6 OF 6 SHEETS STA. 122+50.00 TO STA. 123+50.00

F.A. RTE. 4068	SECTION 07-0031-00-PV	COUNTY MCHENRY	TOTAL SHEETS 167	SHEET NO. 167
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT XXX-----		
		CONTRACT NO. 63743		