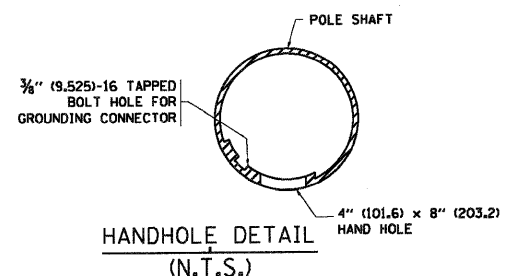
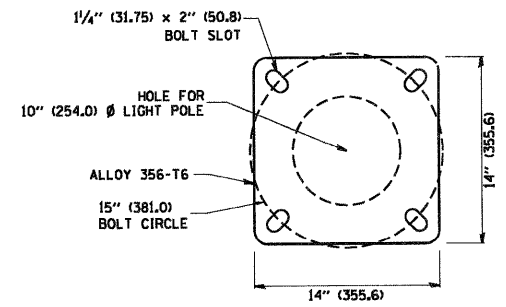


- NOTES:**
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
  2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
  3. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
  4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
  5. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
  6. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
  7. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.



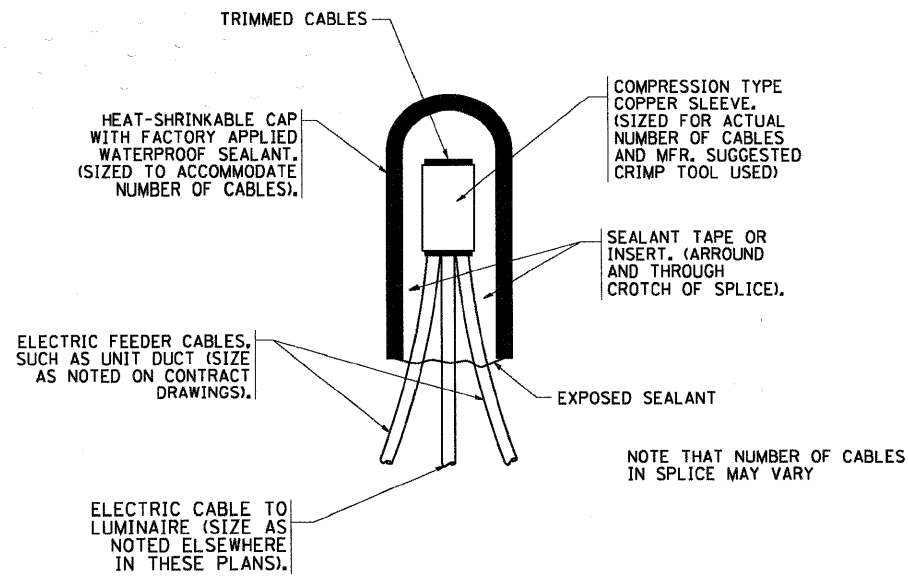
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PLOT SCALE = 1:50	CHECKED - DH
PLOT DATE = 7/29/2010	DATE - 8/2/2010

REVISED - R. TOMSONS 09-06-00
REVISED - R. TOMSONS 09-02-03
REVISED -
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

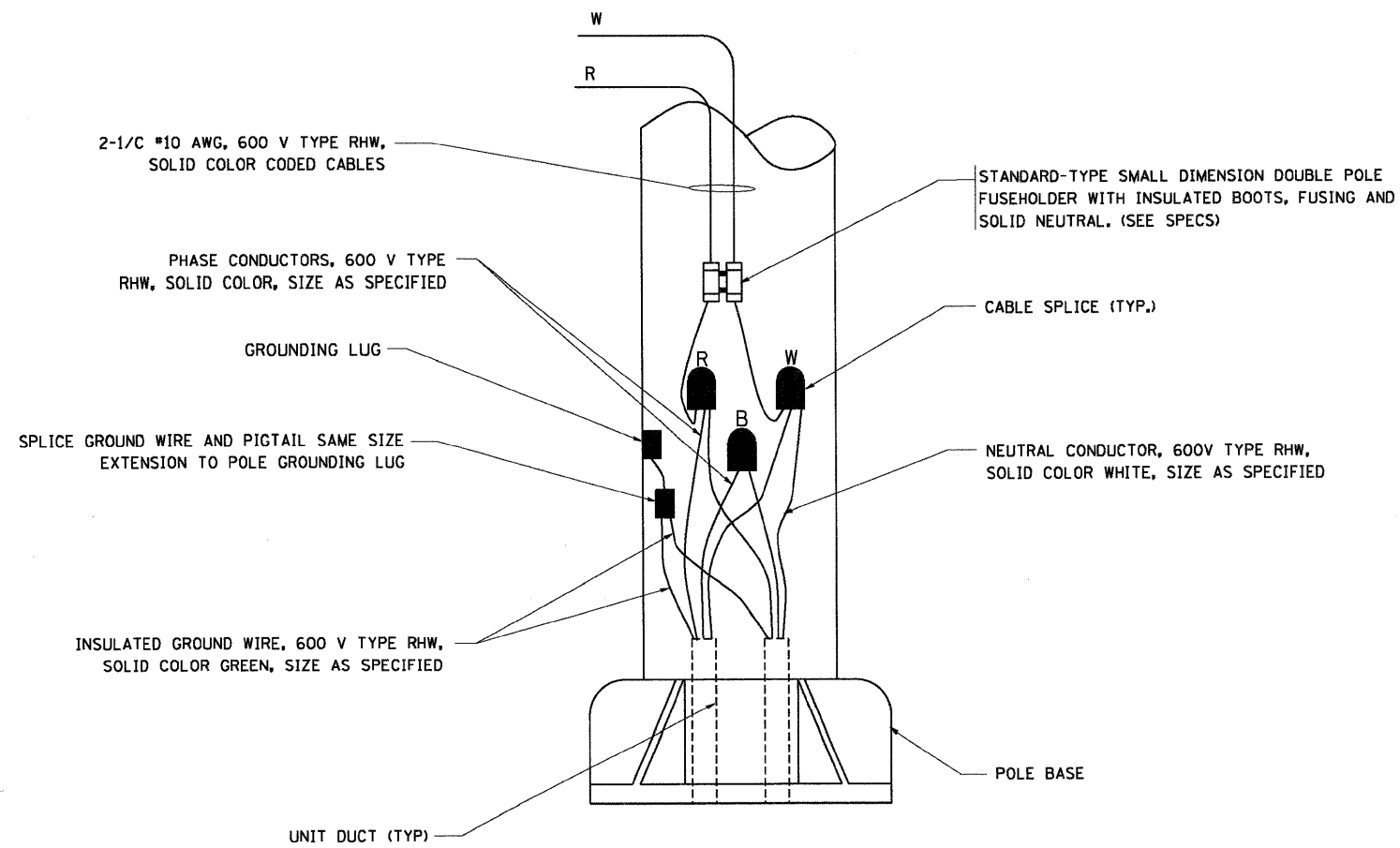
RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31			
ALUMINUM LIGHT POLE			
40'-0" (12.192 m) MOUNTING HEIGHT			
SCALE: 1"=50'	SHEET NO. LT 27 OF 28	STA. TO STA.	

F.A.P. RTE. 0336	SECTION 05-00308-00-WR	COUNTY MCHENRY	TOTAL SHEETS 606	SHEET NO. 401
BE-401			CONTRACT NO. 63398	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



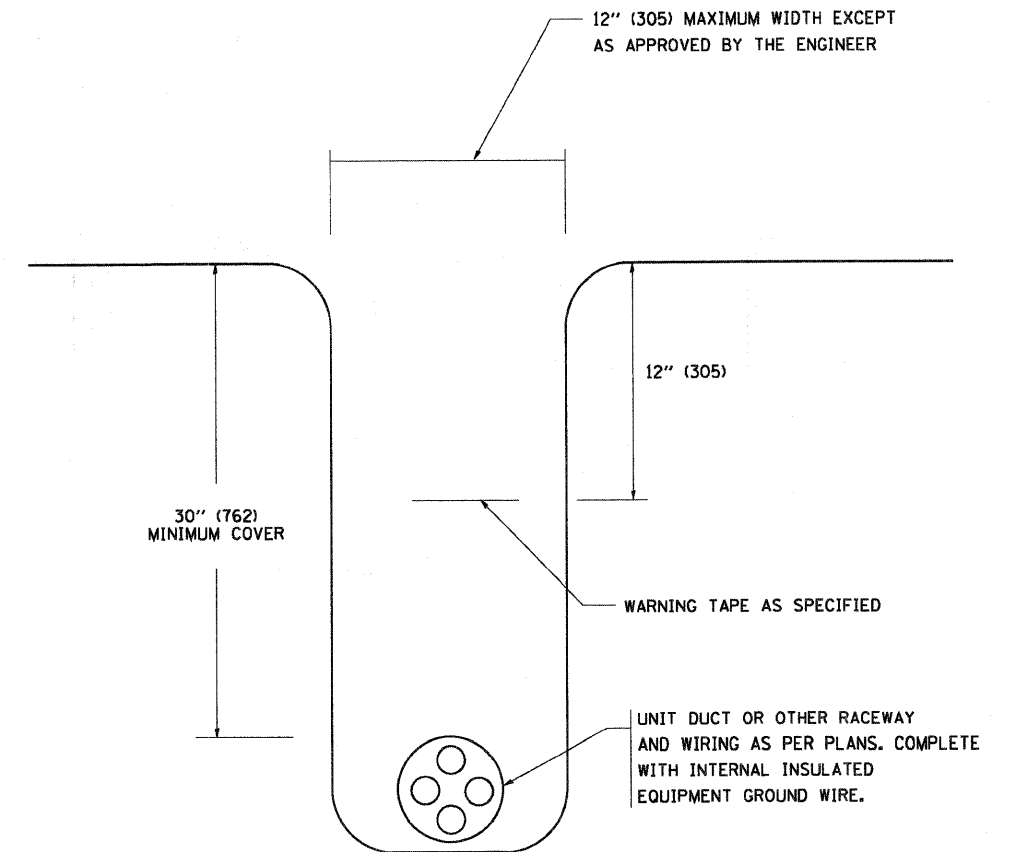
TYPICAL SPLICE DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.

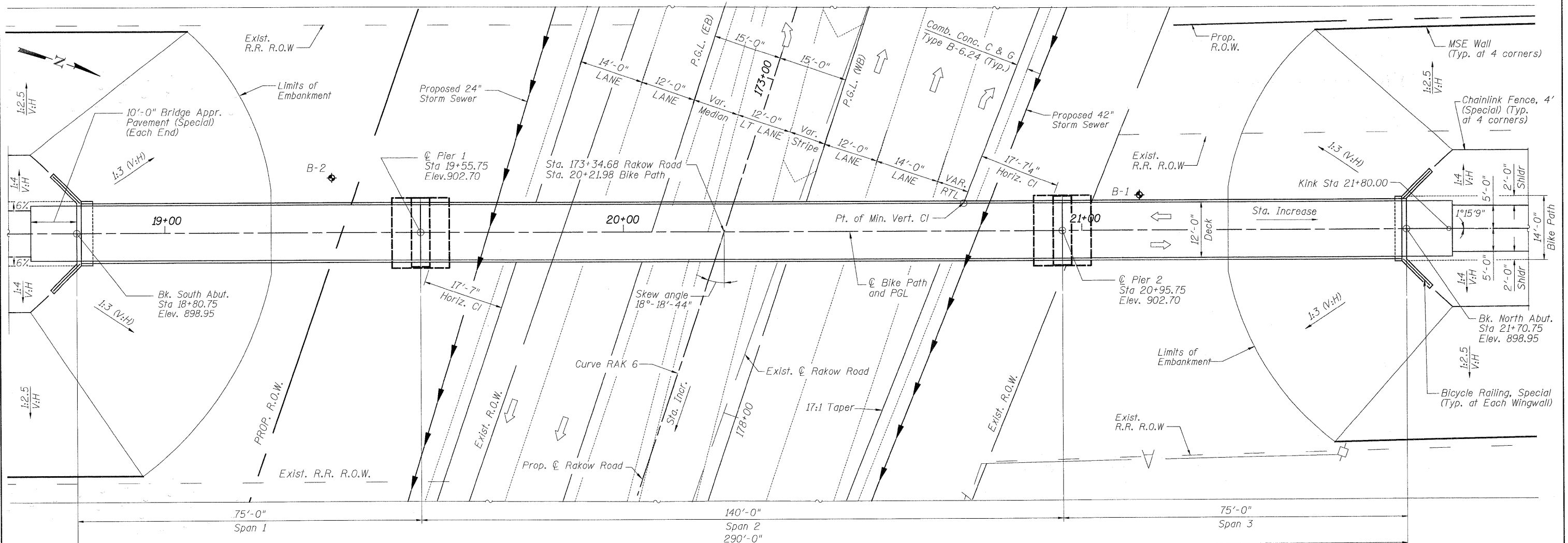
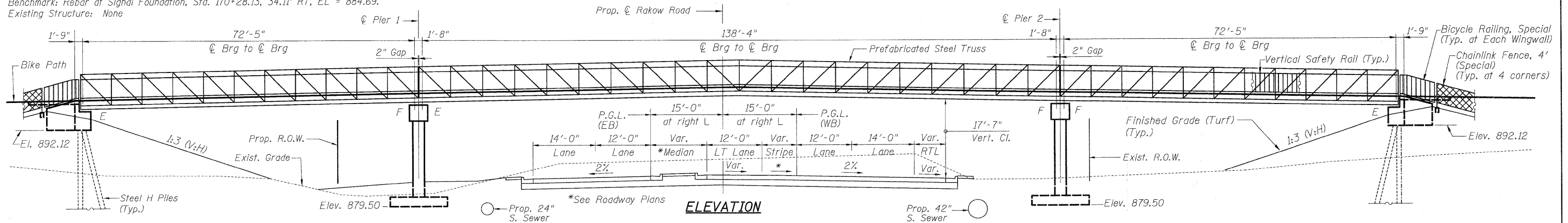


TYPICAL WIRING IN TRENCH DETAIL

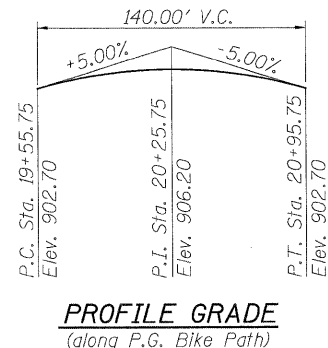
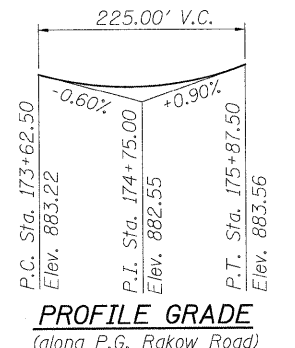
N.T.S.



Benchmark: Rebar at Signal Foundation, Sta. 170+28.13, 34.11' RT, EL = 884.69.  
Existing Structure: None



- LEGEND**
- ◆ Soil Boring
  - Prop. Storm Sewer
  - A — Aerial Electrical Line



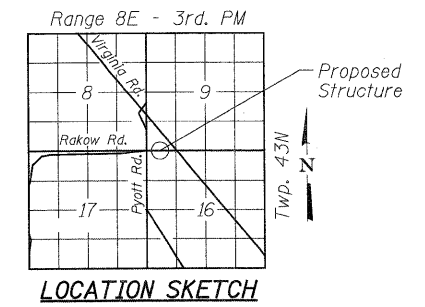
**CURVE RAK 6**  
 PI STA. = 171+58.29  
 $\Delta = 3^\circ 47' 46''$  (RT)  
 D =  $0^\circ 34' 23''$   
 R = 10,000.00'  
 T = 331.40'  
 L = 662.55'  
 E = 5.49'  
 $e = NC$   
 P.C. STA. = 168+26.89  
 P.T. STA. = 174+89.45

**DESIGN SPECIFICATIONS**  
 2002 AASHTO Standard Specifications  
 1997 AASHTO Guide Specifications for Design of Pedestrian Bridges

**LOADING**  
 H10 Service Vehicle or Pedestrian Live Load  
 Design Wind Velocity = 90 miles per hour

**DESIGN STRESSES**  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (reinforcement)  
 $f_y = 50,000$  psi M270 Grade 50W (Structural Steel)  
 Allowable Soil Bearing = 6,500 psf (Pier Ftg.)

**SEISMIC DATA**  
 Seismic Performance Category (SPC) = A  
 Bedrock Acceleration Coefficient (A) = 0.04g  
 Site Coefficient (S) = 1.0



USER NAME	DESIGNED	REVISED	<b>RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31 PEDESTRIAN BRIDGE OVER RAKOW ROAD STA 173+34.68 STRUCTURE NO. 056-9921</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
oyerguoglu@rdwy.lisle	A. YARGICOLU	-	<b>MCHENRY COUNTY DIVISION OF TRANSPORTATION</b>		0336	05-00308-00-WR	MCHENRY	606	403
PLOT CONFIG= PDF(Grey, Large).plt	A. YARGICOLU	-	SCALE: NONE SHEET NO. STR 1 OF 22 STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
PLOT SCALE= 1:10,666.7	A. DURBAK	-	DATE = 8/2/2010		CONTRACT NO. 63398				
PLOT DATE = 7/29/2010	-	-	DATE = 8/2/2010		CONTRACT NO. 63398				

**INDEX OF SHEETS**

- STR 1 - GENERAL PLAN AND ELEVATION
- STR 2 - GENERAL NOTES AND TOTAL BILL OF MATERIAL
- STR 3 - ABUTMENTS I
- STR 4 - ABUTMENTS II
- STR 5 - PIERS
- STR 6 - DETAILS

**GENERAL NOTES**

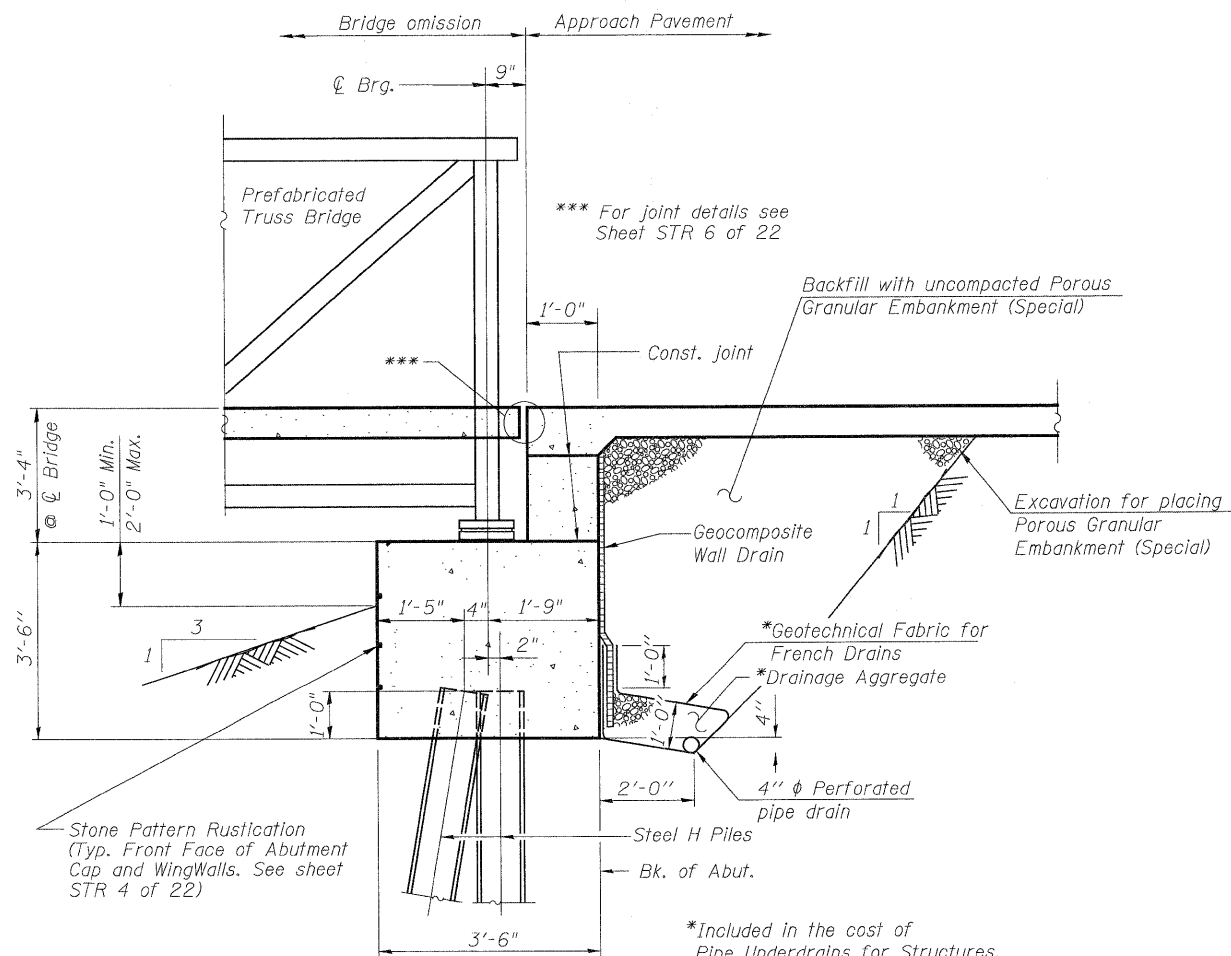
1. All work shall be done in accordance with the Illinois Department of Transportation (IDOT) Standard Specifications For Road and Bridge Construction; Adopted January 1, 2007 and latest Supplemental Specifications and recurring Special Provisions, unless noted otherwise.
2. All structural steel shall be AASHTO M 270 Grade 50W.
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
7. The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.

**PREFABRICATED PEDESTRIAN BRIDGE**

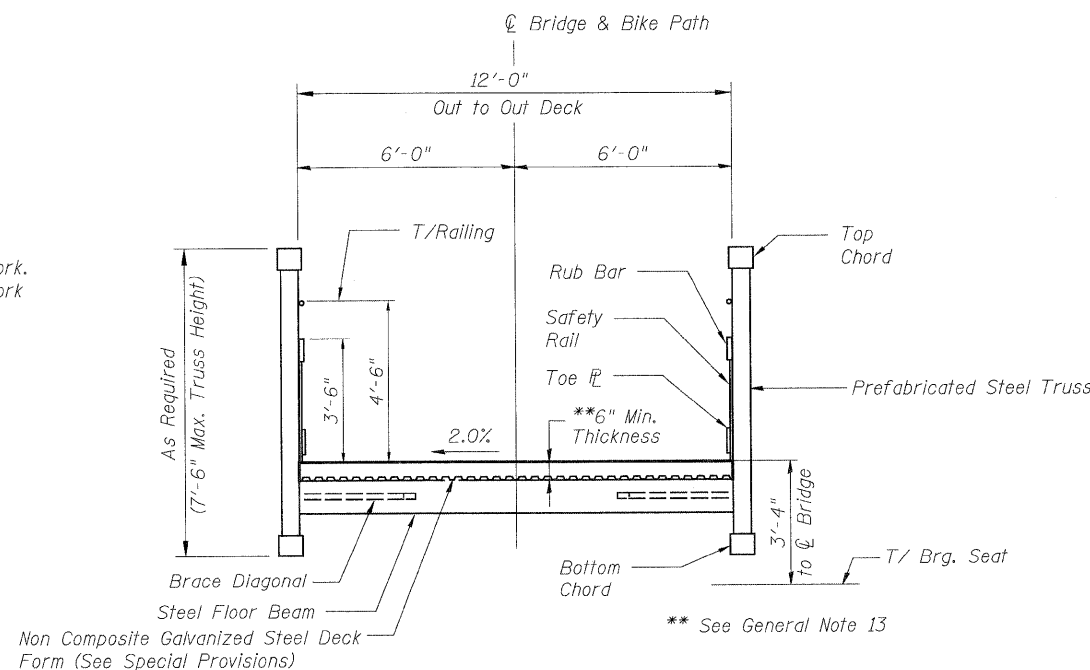
8. The Prefabricated Pedestrian Bridge shall be designed, fabricated, delivered, and erected according to the Special Provisions of "Pedestrian Truss Superstructure" and design plans.
9. The style of the bridge shall be Pratt Truss or Approved Equal.
10. All steel shall be unpainted weathering steel conforming to the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel."
11. Field welding of construction accessories will not be permitted to the Truss Superstructure.
12. Steel fabrication inspection services shall be performed by the Bureau of Bridges and Structures, Illinois Department of Transportation.
13. Contractor shall coordinate with Pre-Engineered Bridge Manufacturer for Concrete and Reinforcement Requirements for Reinforced Concrete Bridge Deck. Cost of Concrete Bridge Deck included with the pay item "Pedestrian Truss Superstructure".
14. Protective coat shall be applied over top surface of Concrete Bridge Deck. Cost shall be paid for separately with the item "Protective Coat".
15. Road closure times for setting the pedestrian bridge over Rakow Road shall be as directed by the Engineer and may require night time closure and work. No additional compensation shall be paid for night time road closures and/or work for setting the Pedestrian Bridge.

STATION 173+34.68  
BUILT 2010 BY  
MCHENRY COUNTY  
LOADING H10  
STRUCTURE NO. 056-9921

**NAME PLATE**  
See Std. 515001



**SECTION THRU ABUTMENT**  
(Horiz. dim. @ Rt. L's)



**CROSS SECTION**  
(Looking upstation)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd	---	60	60
Structure Excavation	Cu. Yd	---	160	160
Concrete Structures	Cu. Yd	---	95.8	95.8
Form Liner Textured Surface	Sq. Ft	---	582	582
Protective Coat	Sq. Yd	387	27	414
Reinforcement Bars, Epoxy Coated	Pound	---	11,020	11,020
Bicycle Railing, Special	Foot	---	43	43
Furnishing Steel Piles HP10X42	Foot	---	160	160
Driving Piles	Foot	---	160	160
Test Pile Steel HP10X42	Each	---	2	2
Name Plates	Each	---	1	1
Concrete Sealer	Sq. Ft	---	195	195
Geocomposite Wall Drain	Sq. Yd	---	41	41
Pipe Underdrains for Structures 4"	Foot	---	76	76
Pedestrian Truss Superstructure	Sq. Ft	3,480	---	3,480

**BRIDGE REACTION TABLE**

(75'-0" SPAN)

ITEM	VERTICAL (LBS)	LATERAL (LBS)	LONGITUDINAL (LBS)
DEAD LOAD	27,050	---	---
UNIFORM LIVE LOAD	19,130	---	---
SERVICE VEHICLE LOAD	11,170	---	---
UPLIFT WIND 20 PSF WINDWARD/LEEWARD	-6,660/ -2,340	---	---
WIND	±2,392	3,990	3,700
THERMAL	---	---	1,630

Bridge Lifting Weight = 21,000 lbs. (larger of 2 pieces)  
Total Bridge Weight = 40,700 lbs (without Concrete Deck)

**BRIDGE REACTION TABLE**

(140'-0" SPAN)

ITEM	VERTICAL (LBS)	LATERAL (LBS)	LONGITUDINAL (LBS)
DEAD LOAD	58,700	---	---
UNIFORM LIVE LOAD	35,700	---	---
SERVICE VEHICLE LOAD	11,370	---	---
UPLIFT WIND 20 PSF WINDWARD/LEEWARD	-12,440/ -4,370	---	---
WIND	±4,465	7,450	6,400
THERMAL	---	---	3,530

Bridge Lifting Weight = 36,400 lbs. (largest of 3 pieces)  
Total Bridge Weight = 108,800 lbs (without Concrete Deck)

Note:  
Bridge Reactions are the envelope of Service Loads at each bearing assembly. All footings have been designed based on these reactions.

**GENERAL NOTES AND TOTAL BILL OF MATERIAL**

<b>RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31 PEDESTRIAN BRIDGE OVER RAKOW ROAD STA 173+34.68 STRUCTURE NO. 056-9921</b>		F.A. RTE. 0336	SECTION 05-00308-00-WR	COUNTY MCHENRY	TOTAL SHEETS 606	SHEET NO. 404
SCALE: NONE	SHEET NO. STR 2 OF 22	STA.	TO STA.	FED. ROAD DIST. NO. [ILLINOIS]	FED. AID PROJECT	

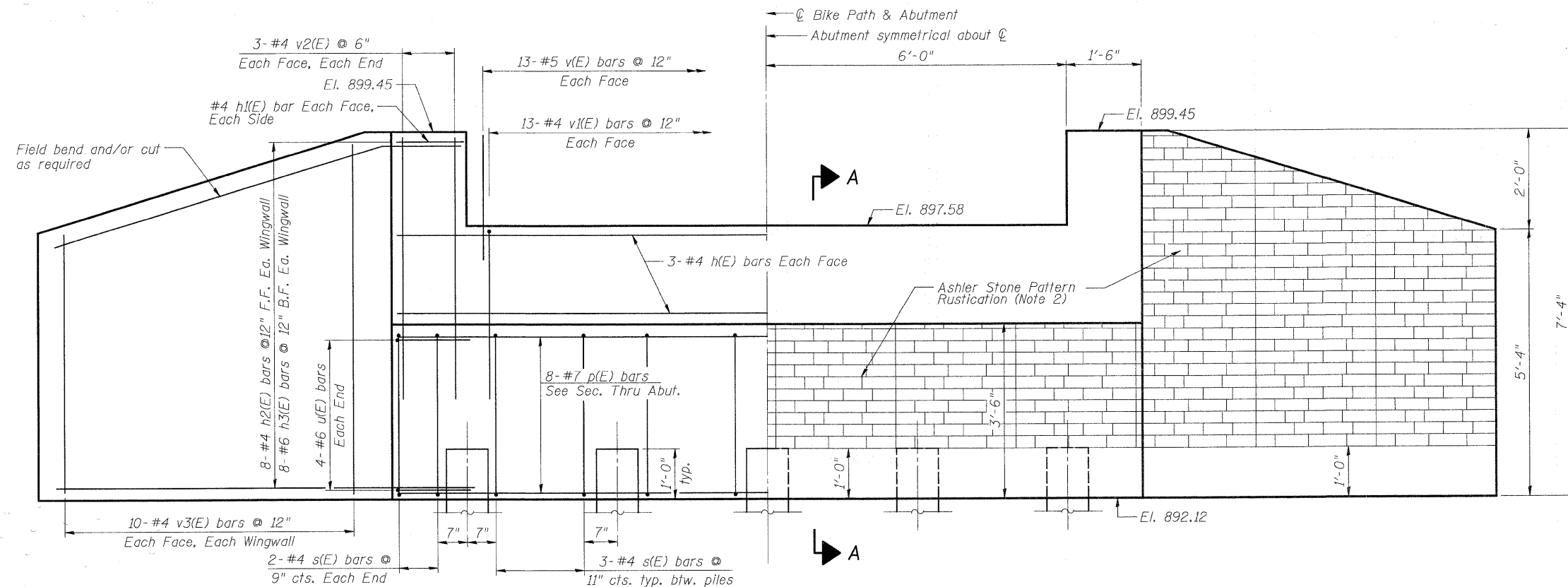


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PLOT DATE = 7/28/2010	DATE - 8/2/2010	REVISED -



**MCHENRY COUNTY  
DIVISION OF TRANSPORTATION**





SHOWING REINFORCEMENT

SHOWING OUTLINES

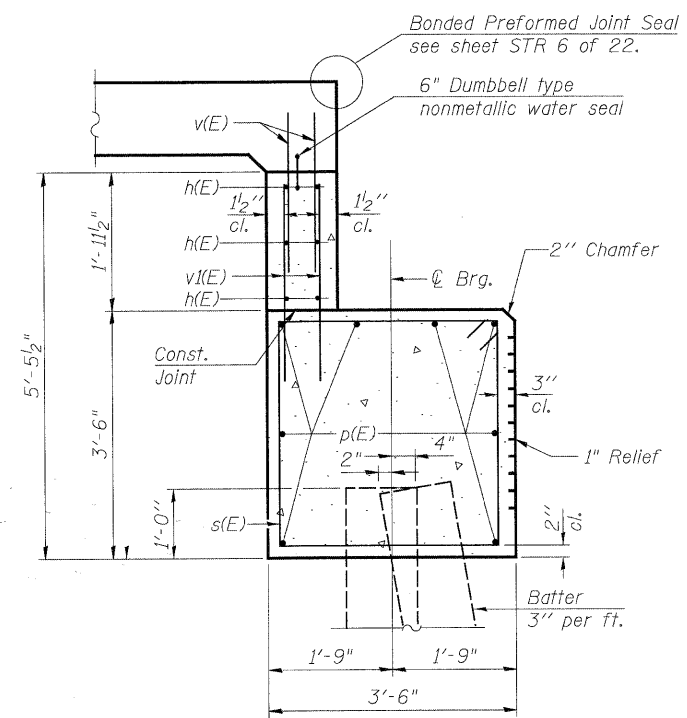
ELEVATION

- NOTES:**
1. Space reinforcement to miss anchor bolts.
  2. See Sheet STR 6 of 22 for Form Liner Textured Surface Notes.

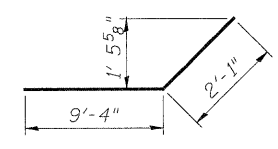
**ABUTMENT  
BILL OF MATERIAL**  
For one Abutment

Bar	No.	Size	Length	Shape
h(E)	6	#4	14'-8"	—
h1(E)	4	#4	1'-2"	—
h2(E)	16	#4	11'-5"	—
h3(E)	16	#6	12'-5"	—
p(E)	8	#7	14'-8"	—
s(E)	16	#4	13'-3"	□
u(E)	8	#6	9'-3"	□
v(E)	26	#5	2'-11"	—
v1(E)	26	#4	3'-4"	—
v2(E)	12	#4	5'-2"	—
v3(E)	40	#4	12'-0"	—

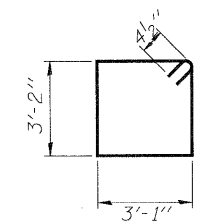
Concrete Structures	Cu. Yd.	12.7
Reinforcement Bars, Epoxy Coated	Pound	1,470
Furnishing Steel Piles, HP 10x42	Foot	80
Driving Piles	Foot	80
Test Pile Steel HP10x42	Each	1
Concrete Sealer	Sq. Ft.	37.5
Structure Excavation	Cu. Yd.	35.0
Form Liner Textured Surface	Sq. Ft.	139



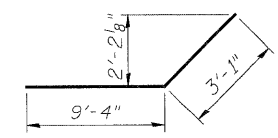
SECTION A-A



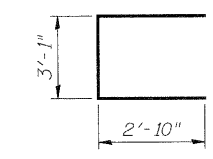
BARS h2(E)



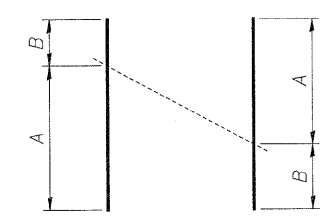
BAR s(E)



BARS h3(E)



BAR u(E)



FIELD CUTTING DIAGRAM

Bar	A	B
v3(E)	7'-0"	5'-0"

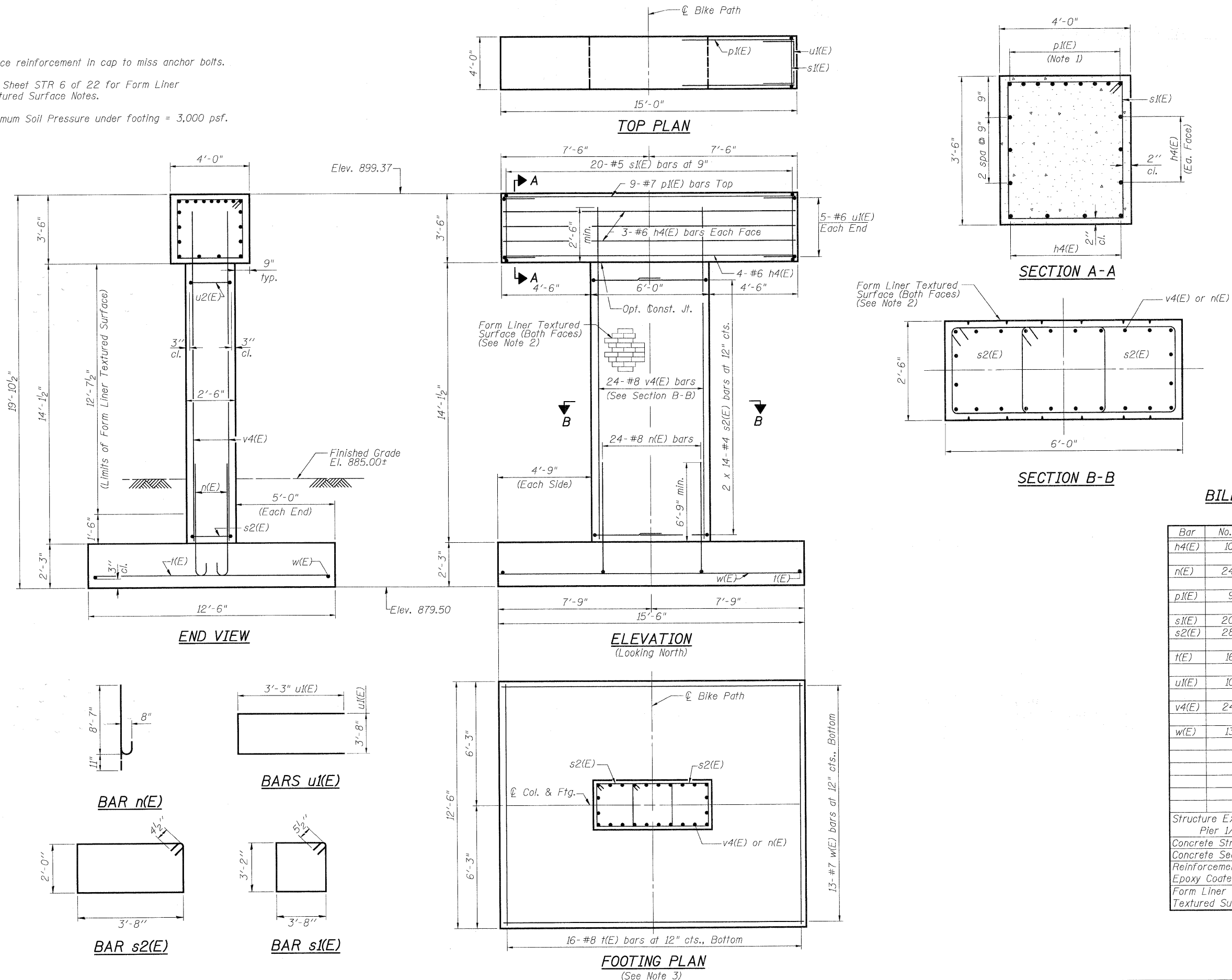
Order bars full length as shown and use remainder of bars in opposite face of wall panel

ABUTMENTS II

G:\MCDOT\20950\_001\Drawings\STRUCT\Final\Plans\524 Bridge Abutment2.dgn

**NOTES:**

1. Space reinforcement in cap to miss anchor bolts.
2. See Sheet STR 6 of 22 for Form Liner Textured Surface Notes.
3. Maximum Soil Pressure under footing = 3,000 psf.

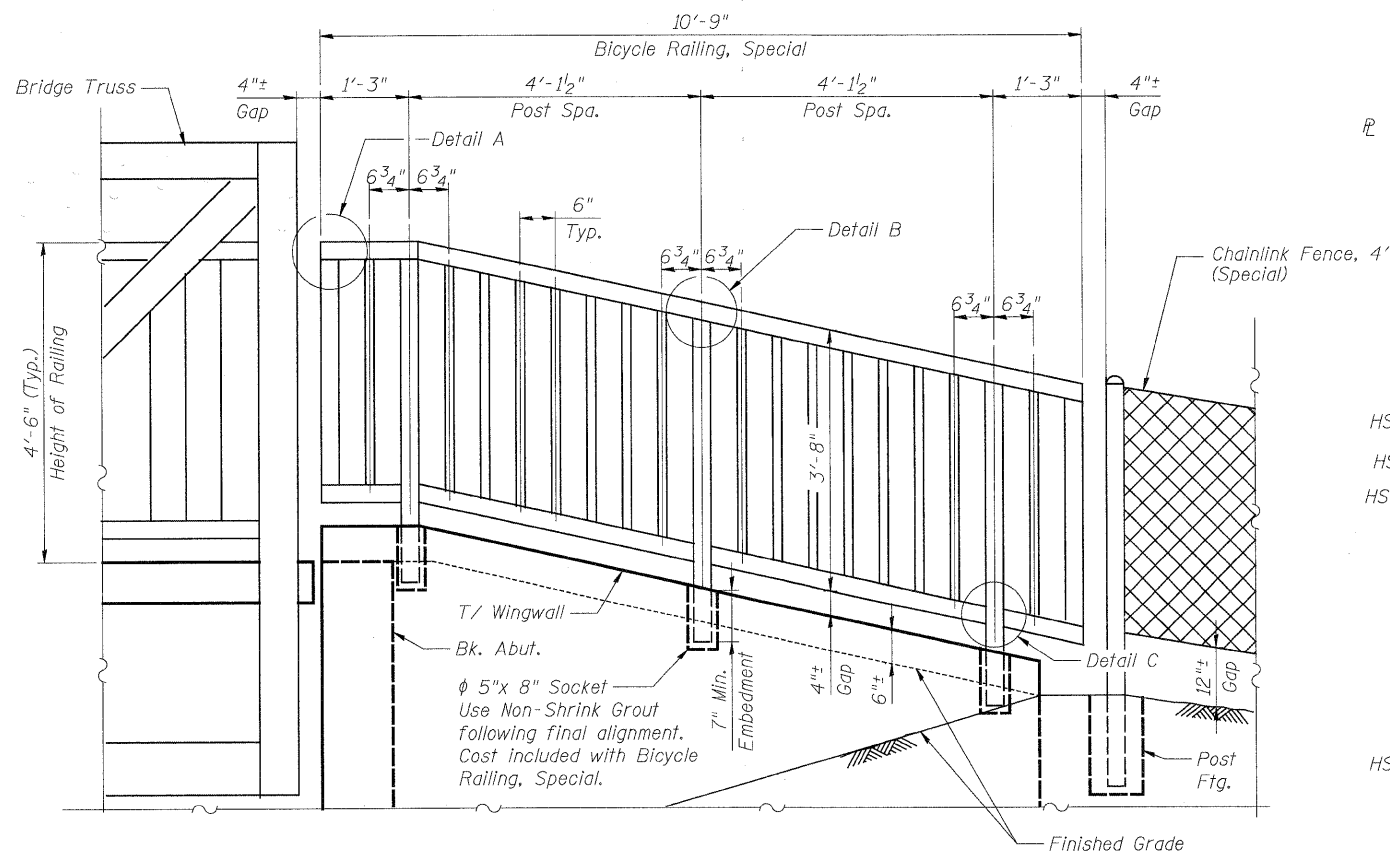


**BILL OF MATERIAL**  
(For one Pier)

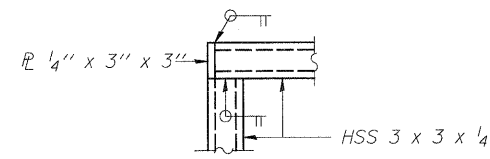
Bar	No.	Size	Length	Shape
h4(E)	10	#6	14'-8"	—
n(E)	24	#8	9'-8"	C
p1(E)	9	#7	14'-8"	—
s1(E)	20	#5	14'-7"	⊠
s2(E)	28	#4	12'-1"	⊠
t(E)	16	#8	12'-2"	—
u1(E)	10	#6	10'-2"	⊠
v4(E)	24	#8	16'-5"	—
w(E)	13	#7	15'-2"	—
Structure Excavation			Cu. Yd.	29.8/ 59.6
Pier 1/Pier 2				
Concrete Structures			Cu. Yd.	31.8
Concrete Sealer			Sq. Ft.	60
Reinforcement Bars, Epoxy Coated			Pound	3,770
Form Liner Textured Surface			Sq. Ft.	152

**PIERS**

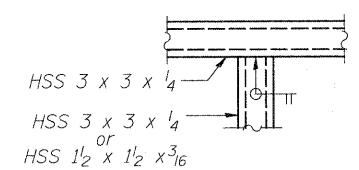
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	SCALE: NONE	SHEET NO. STR 5 OF 22	STA. TO STA.			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	



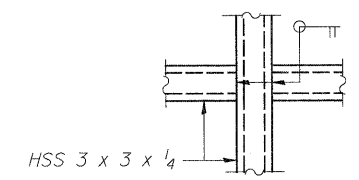
**BICYCLE RAILING DETAIL**



**DETAIL A**



**DETAIL B**



**DETAIL C**

**BICYCLE RAILING NOTES:**

Hollow structural tubing shall conform to the requirements of ASTM designation A 847 for cold formed welded square and rectangular tubing and the requirements of Section 1006 of the Standard Specifications.

All posts, railing, and splices shall be prepared according to the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel."

Non shrink grout shall be according to Article 1024 of the Standard Specifications.

Prior to beginning construction or fabrication, the Contractor shall submit six sets of shop drawings for bicycle railing to the Engineer for review and approval.

**FORM LINER TEXTURED SURFACE NOTES:**

The surface treatment shall be accomplished by the use of form liners. Random Ashlar Limestone Form Liner Pattern with a relief of 1" to 1 1/2" or approved equivalent shall be used.

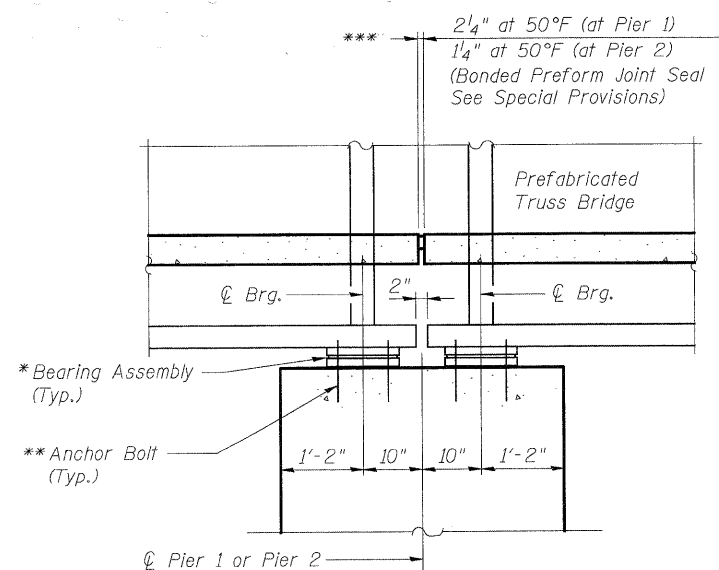
The textured surfaces towards the traveled way shall receive a coating to seal the surfaces against the intrusion of deicing salts. The concrete sealer shall have a clear color when dry and shall conform to the requirements of the Article 1026 of the Standard Specifications.

The preferred color of the textured surfaces is tan. If other colors are submitted for review they shall be of similar complimentary colors. Coloring shall be accomplished by the use of stains or coatings. The staining or coating products must be compatible with the surface sealing coating specified herein. The Engineer may waive the requirement of a separate concrete sealer product if the staining or coating product also meets the performance requirements of the concrete sealer product. Products used to color the concrete surfaces shall be free of oil and wax, exhibit excellent resistance to weathering, and shall exhibit no efflorescence.

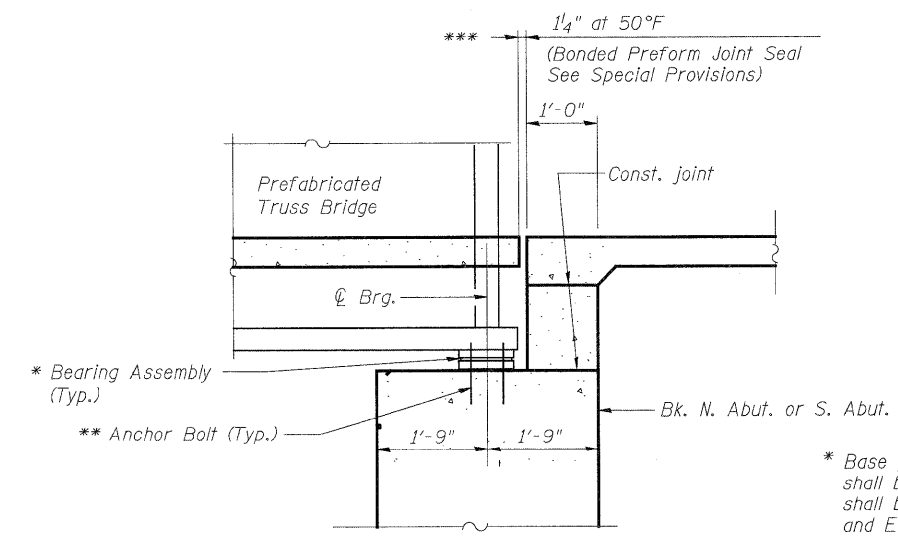
Cost of coloring and concrete sealer coating of the textured surfaces is included with the item "Form Liner Textured Surface".

**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Bicycle Railing, Special	Foot	43



**SECTION THRU PIER CAP**



**SECTION THRU ABUTMENT**

**BRIDGE JOINT DETAILS**

\* Base plate, teflon pad, setting plate, and fabric pad shall be supplied by Bridge Manufacturer. Bearings shall be detailed and installed in order to provide the Fixed and Expansion End conditions as shown in the plans and to resist the forces as shown on the Bridge Reactions Table.

\*\* Contractor shall coordinate with Bridge Manufacturer for Anchor Bolt Requirements. Cost of Anchor Bolts shall be included with the item "Pedestrian Truss Superstructure".

\*\*\* Joint seal shall be capable of accommodating movements of ± 1/2" and ± 7/8" for 1 1/4" joints and 2 1/4" joints, respectively.

**DETAILS**

G:\MCD001\20958.001\Drawings\STRUCT\FinalPlans\506 Bridge Details.dgn

Benchmark: Rebar at Signal Foundation, Sta. 170+28.13, 34.11' RT, EL = 884.69

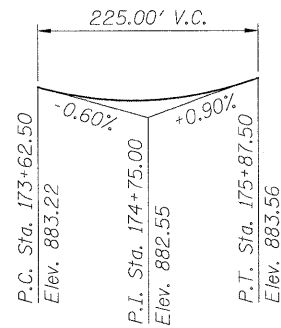
Existing Structure: None

**INDEX OF SHEETS**

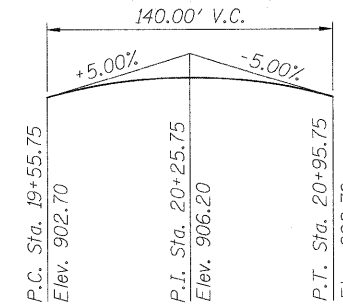
- STR 7. WALL LAYOUT
- STR 8. EAST WALLS
- STR 9. WEST WALLS
- STR 10. WALL DETAILS

**CURVE RAK 6 DATA**

$\Delta = 3^\circ 47' 46''$  (RT)  
 $D = 0^\circ 34' 23''$   
 $T = 331.40'$   
 $L = 662.55'$   
 $E = 5.49'$   
 $R = 10,000.00'$   
 $S.E. = NC$   
 $P.C. = Sta. 168+26.89$   
 $P.T. = Sta. 174+89.45$   
 $P.I. = Sta. 171+58.29$



**PROFILE GRADE**  
(along P.G. Rakow Road)



**PROFILE GRADE**  
(along P.G. Bike Path)

**HIGHWAY CLASSIFICATION**

F.A.P. Rte. 0336 - Rakow Road  
 Functional Class: Strategic Regional Arterial  
 ADT: 16.5k-39.4k (2008); 29k-66k (2030)  
 DHV: 1030-3000  
 Design Speed: 45 mph  
 Posted Speed: 45 mph

**DESIGN SPECIFICATIONS**

2007 AASHTO LRFD Bridge Design Specifications  
 with 2008 Interim

**LOADING**

H10 Service Vehicle or Pedestrian Live Load

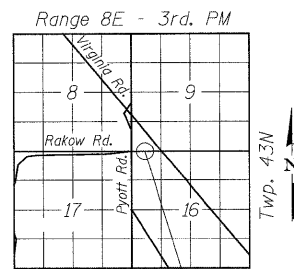
**DESIGN STRESSES**

**FIELD UNITS**

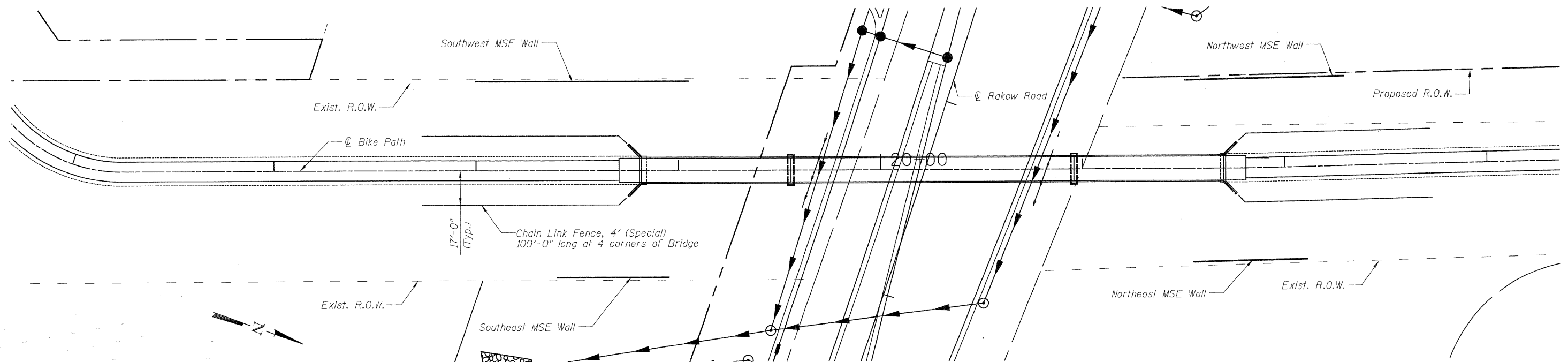
$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (reinforcement)

**PRECAST UNITS**

$f'_c = 4,500$  psi (Precast Panels)



**LOCATION SKETCH**

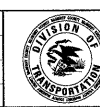


**KEY PLAN**

**WALL LAYOUT**



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PLOT SCALE = 1:25	CHECKED - A. Yargicoglu	REVISED -
PLOT DATE = 7/28/2010	DATE - 8/2/2010	REVISED -

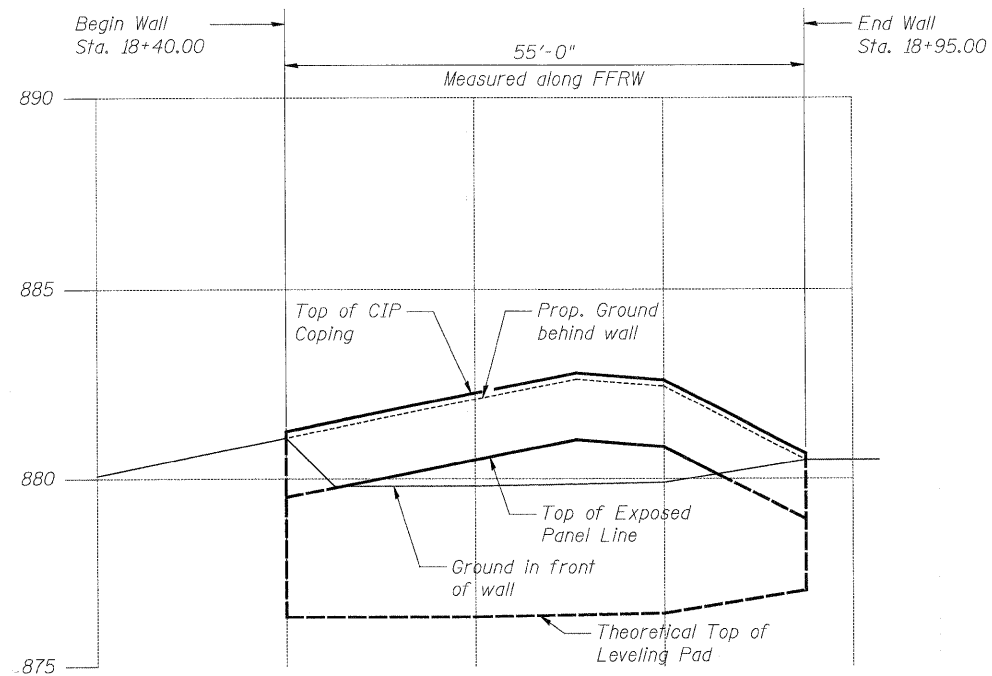


**MCHENRY COUNTY**  
**DIVISION OF TRANSPORTATION**

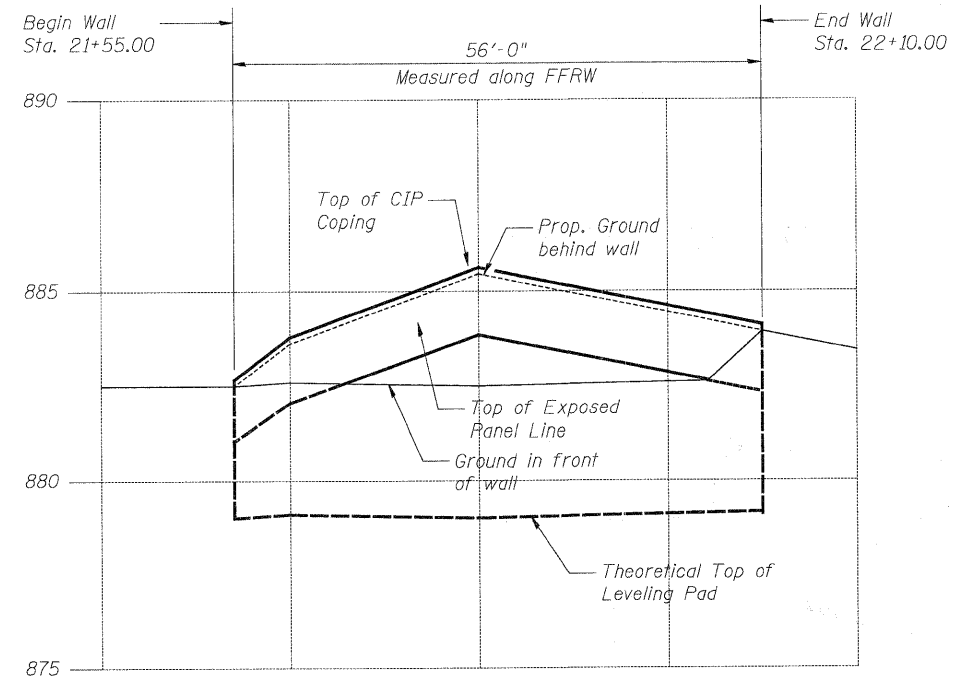
**RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31**  
**PEDESTRIAN BRIDGE OVER RAKOW ROAD**  
**STA 173 + 34.68 STRUCTURE NO. 056-9921**

F.A. RTE. 0336	SECTION 05-00308-00-WR	COUNTY MCHENRY	TOTAL SHEETS 606	SHEET NO. 409
SCALE: NONE		SHEET NO. STR 7 OF 22		TO STA.
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



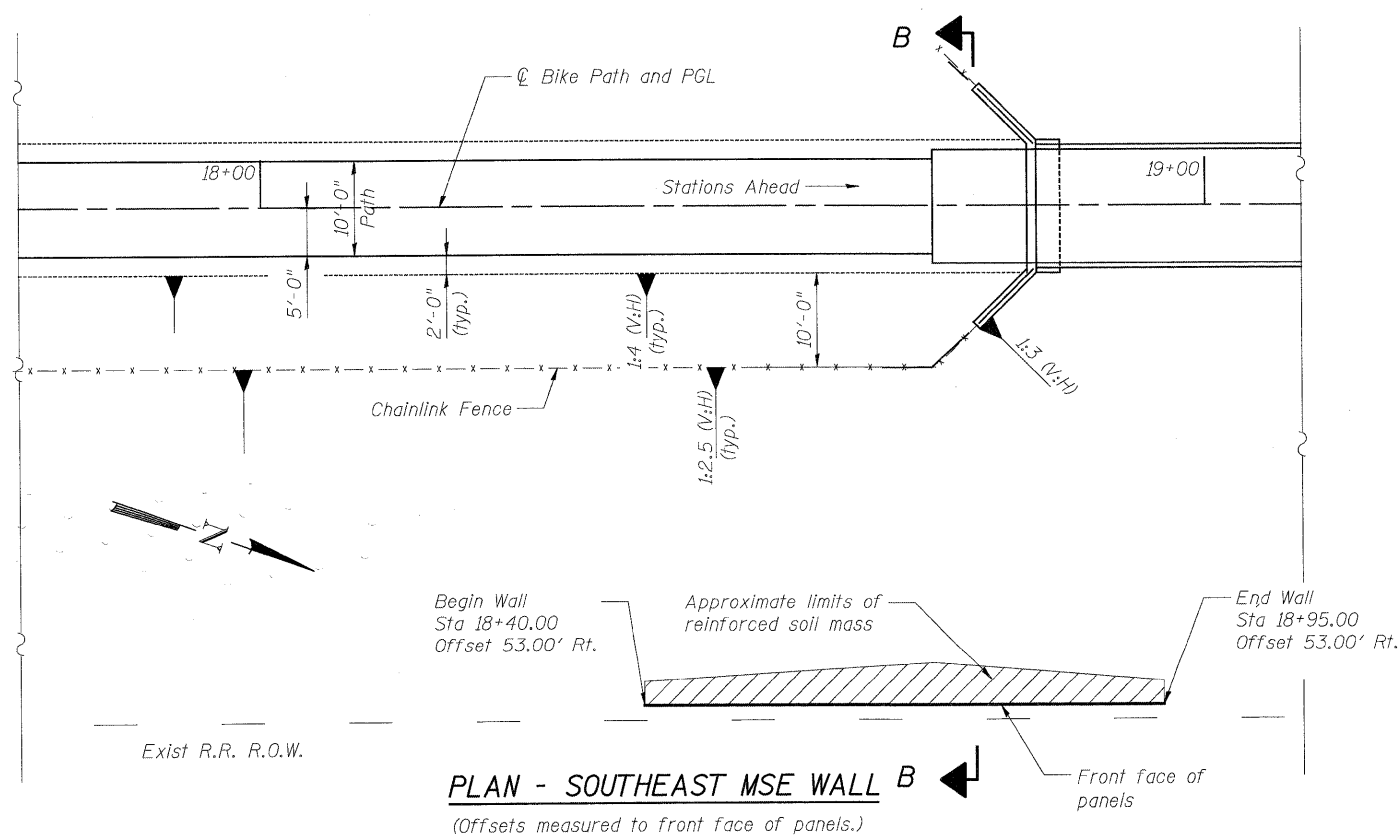


**ELEVATION - SOUTHEAST MSE WALL**  
(Looking West at Front Face of Retaining Wall)

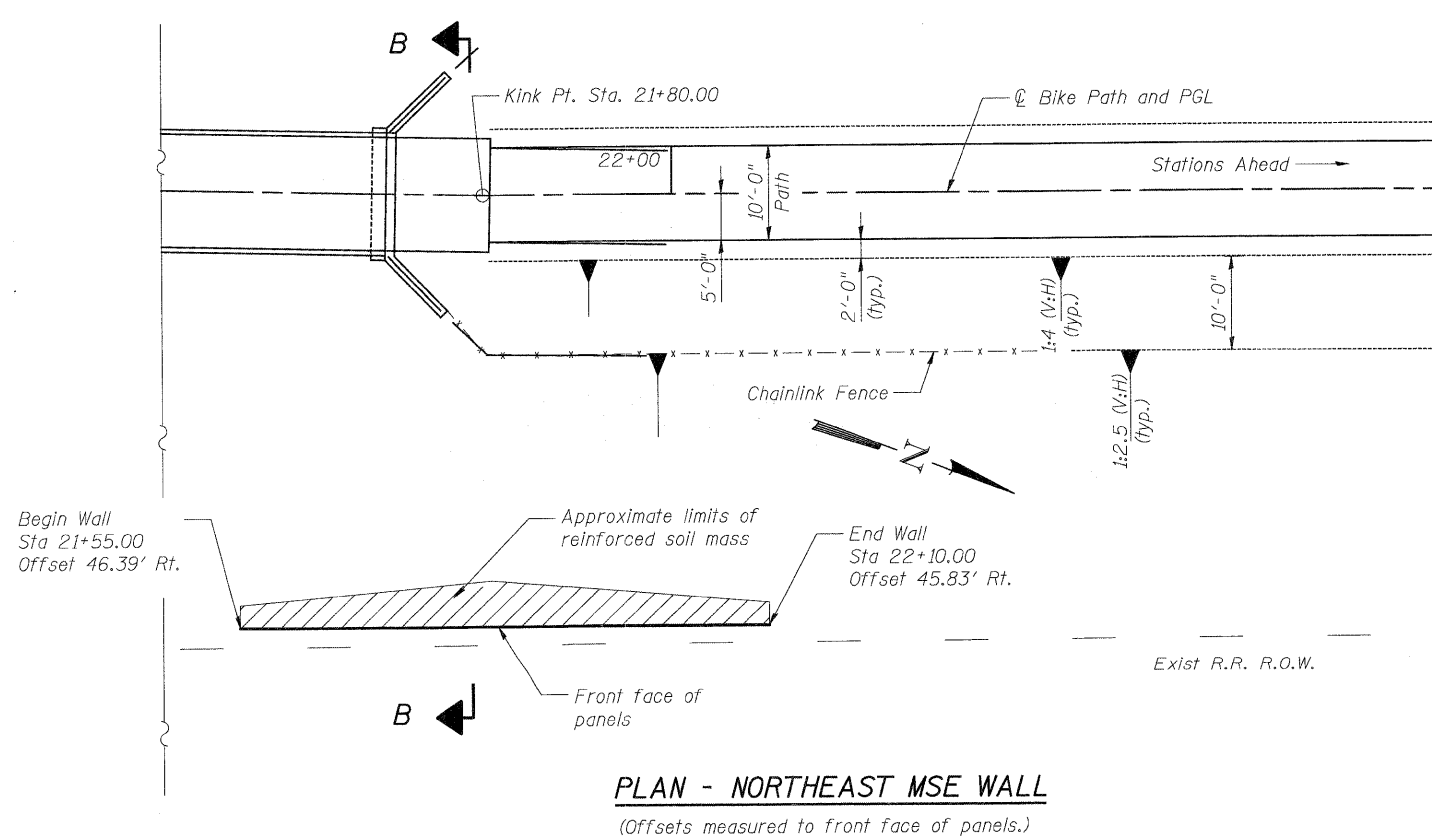


**ELEVATION - NORTHEAST MSE WALL**  
(Looking West at Front Face of Retaining Wall)

Note:  
For Section B-B, see Sheet STR 10 of 22.



**PLAN - SOUTHEAST MSE WALL**  
(Offsets measured to front face of panels.)

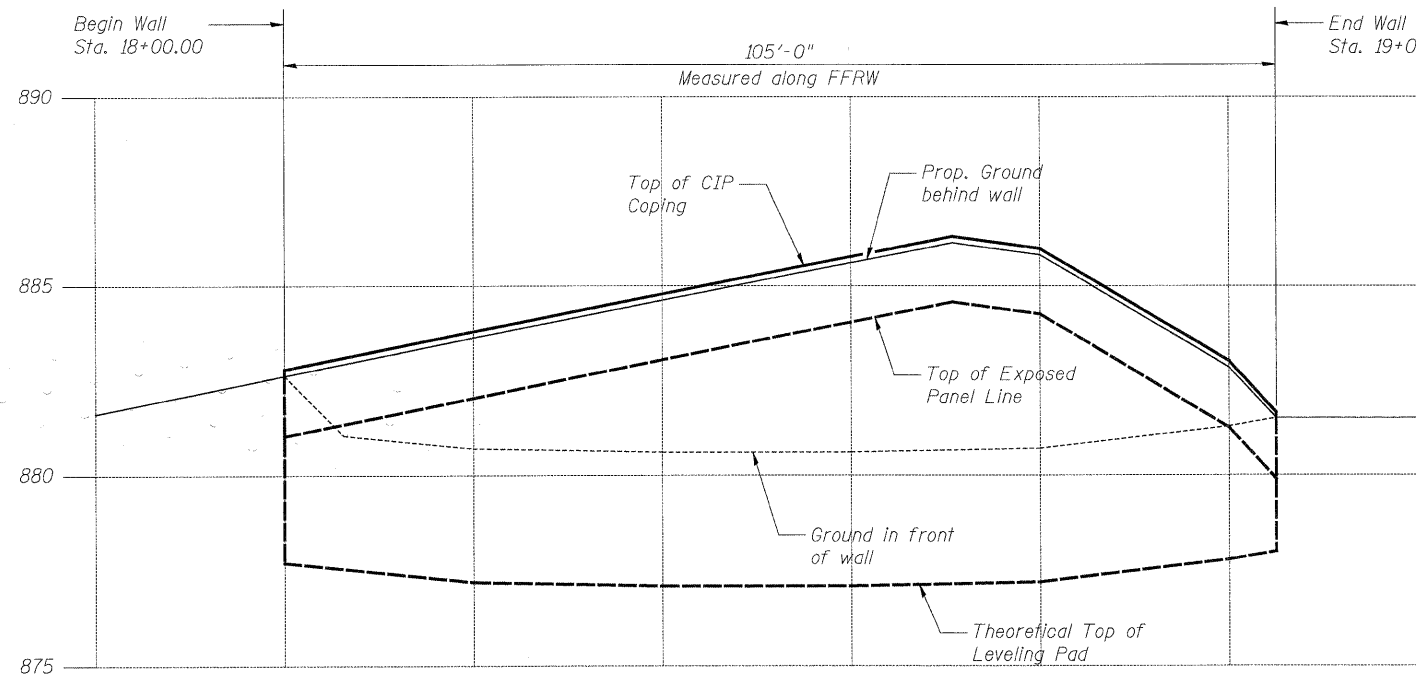


**PLAN - NORTHEAST MSE WALL**  
(Offsets measured to front face of panels.)

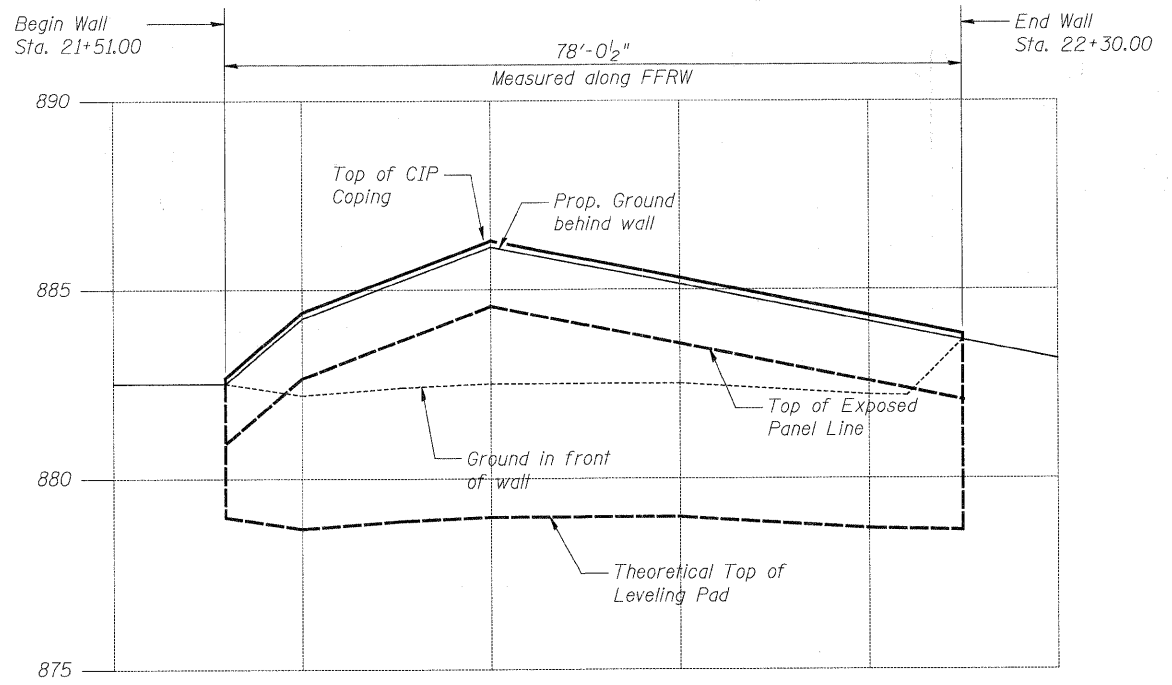
**EAST WALLS**

<p><b>PATRICK ENGINEERING INC.</b> LISLE, ILLINOIS</p>	USER NAME = Rdy.Lisle PLOT CONFIG = PDF(Reg, Large).plt PLOT SCALE = 1:10 PLOT DATE = 7/28/2010	DESIGNED - A. Durbak DRAWN - A. Durbak CHECKED - A. Yargicoglu DATE - 8/2/2010	REVISED - REVISED - REVISED - REVISED -	<p><b>MCHENRY COUNTY</b> DIVISION OF TRANSPORTATION</p>	<p><b>RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31</b> <b>PEDESTRIAN BRIDGE OVER RAKOW ROAD</b> <b>STA 173+34.68 STRUCTURE NO. 056-9921</b></p>	F.A. RTE. 0336 SECTION 05-00308-00-WR COUNTY MCHENRY TOTAL SHEETS 606 SHEET NO. 410	CONTRACT NO.
	SCALE: NONE	SHEET NO. STR 8 OF 22	STA. TO STA.			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



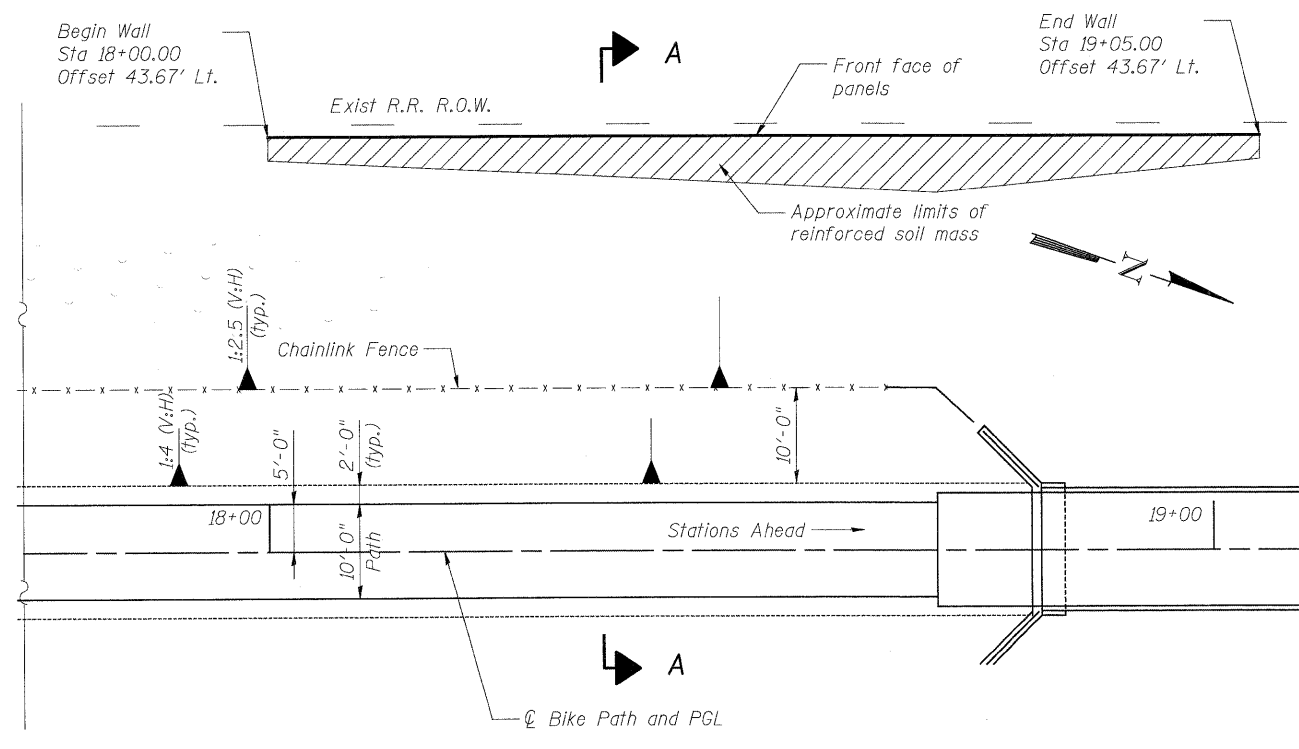


**ELEVATION - SOUTHWEST MSE WALL**  
(Looking West at Back Face of Retaining Wall)

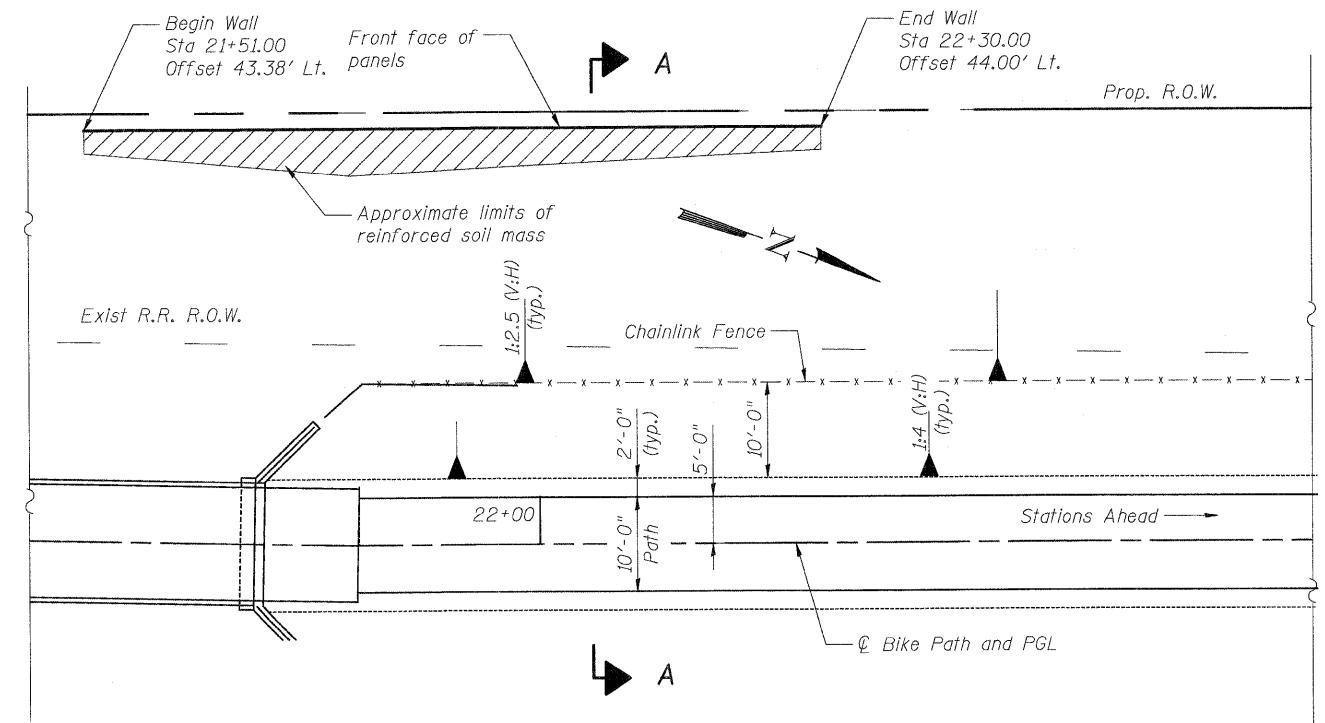


**ELEVATION - NORTHWEST MSE WALL**  
(Looking West at Back Face of Retaining Wall)

Note:  
For Section A-A, see Sheet STR 10 of 22.



**PLAN - SOUTHWEST MSE WALL**  
(Offsets measured to front face of panels.)

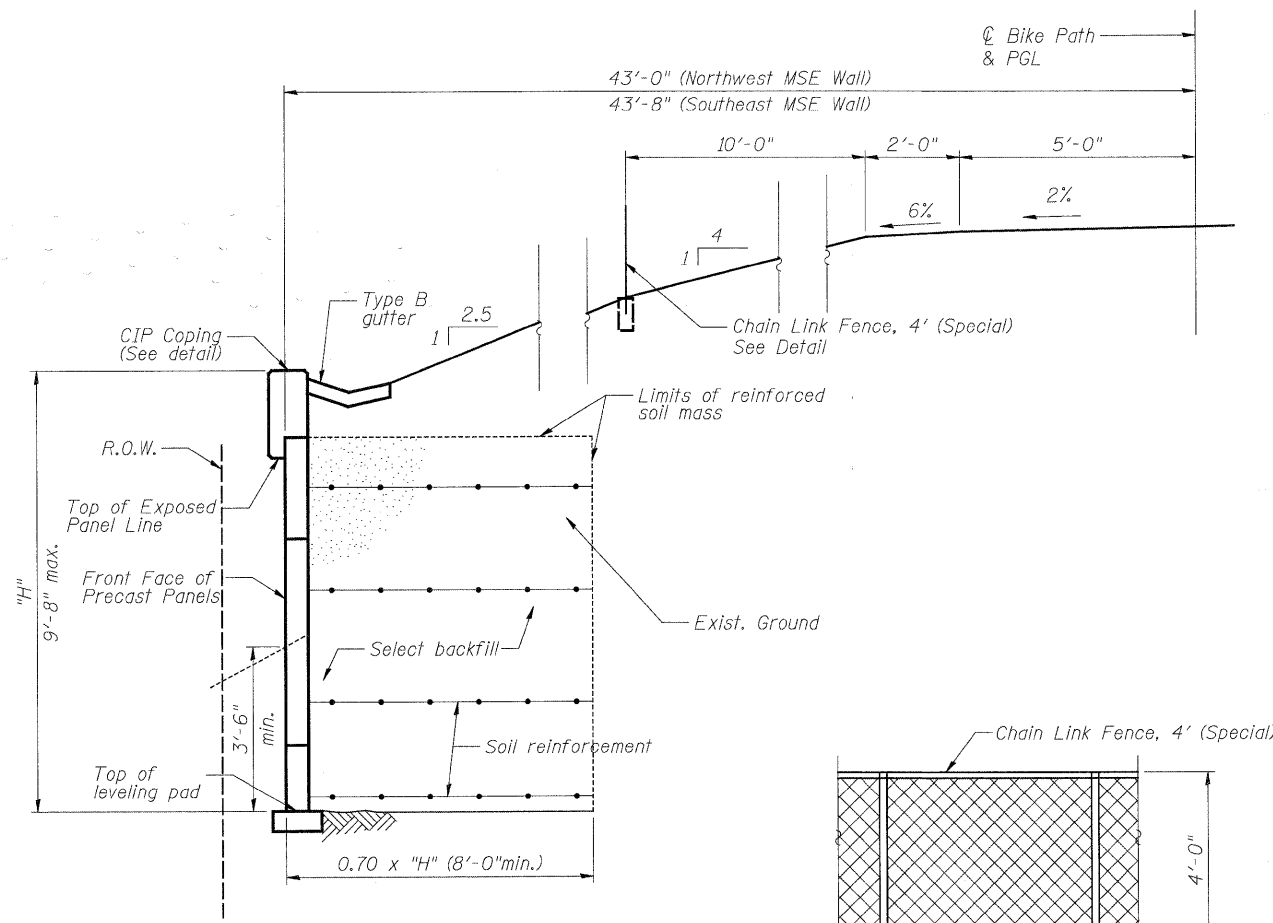


**PLAN - NORTHWEST MSE WALL**  
(Offsets measured to front face of panels.)

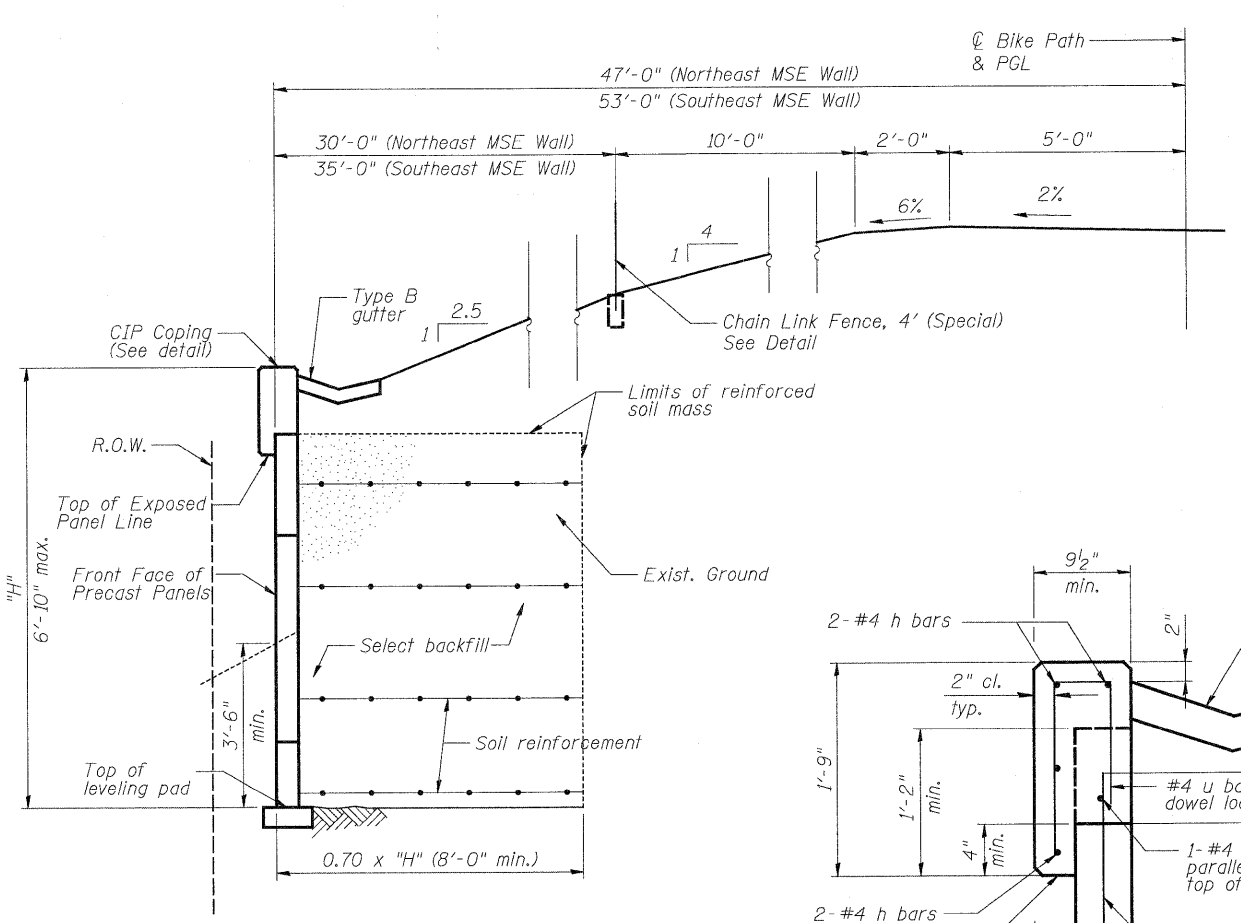
**WEST WALLS**

	USER NAME = Rdwy_Lisle	DESIGNED - A. Durbak	REVISED -		<b>MCHENRY COUNTY</b> <b>DIVISION OF TRANSPORTATION</b>	<b>RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31</b> <b>PEDESTRIAN BRIDGE OVER RAKOW ROAD</b> <b>STA 173+34.68 STRUCTURE NO. 056-9921</b>		F.A. RTE. 0336	SECTION 05-00308-00-WR	COUNTY MCHENRY	TOTAL SHEETS 606	SHEET NO. 411
	PLOT CONFIG= PDF(Greg_Large).plt	DRAWN - A. Durbak	REVISED -			SCALE: NONE	SHEET NO. STR 9 OF 22	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT	CONTRACT NO.	
PLOT SCALE = 1:100	CHECKED - A. Yarglooglu	REVISED -										
PLOT DATE = 7/28/2010	DATE - 8/2/2010	REVISED -										

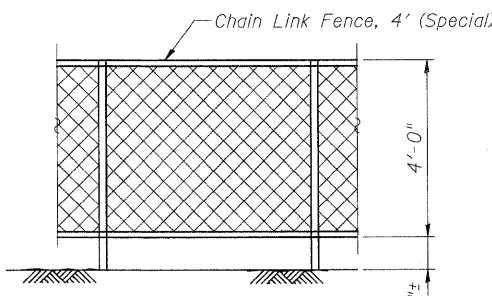
G:\MCDOT\20950\_001\Drawings\STRUCT\FinalPlans\509 Bridge West Walls.dgn



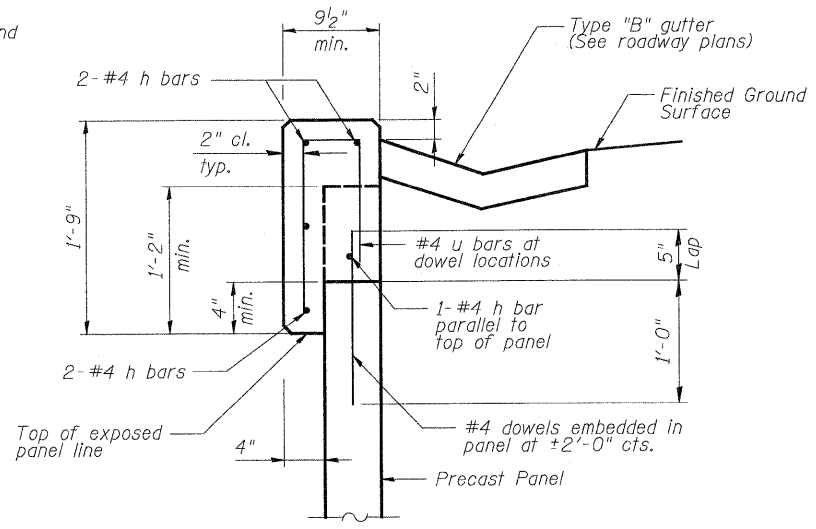
**SECTION A-A**



**SECTION B-B**



**CHAIN LINK FENCE DETAIL**  
(For details of Chain Link Fence, see Std. 664001 and Special Provisions)



**CIP COPING DETAIL**

(Cost of CIP Coping and reinforcement included with the item "Mechanically Stabilized Earth Retaining Wall")

**TABLE OF WALL ELEVATIONS - SOUTHEAST WALL**

Item	18+40.00	18+60.00	18+71.50	18+80.00	18+95.00
Top of exposed panel line	879.50	880.50	881.08	880.85	878.92
Finished grade line at FF of wall	881.08	879.80	879.90	879.90	880.50
Theoretical top of leveling pad	877.58	876.30	876.40	876.40	877.00

**TABLE OF WALL ELEVATIONS - NORTHEAST WALL**

Item	21+55.00	21+60.00	21+80.00	22+00.00	22+10.00
Top of exposed panel line	880.92	882.05	883.94	882.94	882.44
Finished grade line at FF of wall	882.50	882.60	882.60	882.60	884.02
Theoretical top of leveling pad	879.00	879.10	879.10	879.10	880.52

**TABLE OF WALL ELEVATIONS - SOUTHWEST WALL**

Item	18+00.00	18+20.00	18+40.00	18+60.00	18+71.50	18+80.00	19+00.00	19+05.00
Top of exposed panel line	881.03	882.03	883.03	884.03	884.61	884.25	881.25	879.92
Finished grade line at FF of wall	882.61	880.70	880.60	880.60	880.70	880.70	881.10	881.50
Theoretical top of leveling pad	879.11	877.20	877.10	877.10	877.20	877.20	877.60	878.00

**TABLE OF WALL ELEVATIONS - NORTHWEST WALL**

Item	21+51.00	21+60.00	21+80.00	22+00.00	22+20.00	22+30.00
Top of exposed panel line	880.92	882.65	884.48	883.48	882.48	881.98
Finished grade line at FF of wall	882.50	883.40	882.50	882.50	882.20	883.56
Theoretical top of leveling pad	879.00	879.90	879.00	879.00	878.70	880.06

**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	1,287
Structure Excavation	Cu. Yd.	242
Chain Link Fence, 4' (Special)	Foot	400

**WALL DETAILS**

	USER NAME = Rday.Lisle PLOT CONFIG = PDF(Grey, Large).plt PLOT SCALE = 1:10 PLOT DATE = 7/28/2010	DESIGNED - A. Durbak DRAWN - A. Durbak CHECKED - A. Yargicoglu DATE - 8/2/2010	REVISED - REVISED - REVISED - REVISED -		<b>RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31          PEDESTRIAN BRIDGE OVER RAKOW ROAD          STA 173+34.68 STRUCTURE NO. 056-9921</b>	F.A. RTE. 0336 SECTION 05-00308-00-WR COUNTY MCHENRY CONTRACT NO.	TOTAL SHEETS 606 SHEET NO. 412
	SCALE: NONE SHEET NO. STR 10 OF 22 STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

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Benchmark: PEI 560-4' Rebar, Sta. 107+57.83, 73.72' LT, EL = 890.35

**INDEX OF SHEETS**

- STR 11. GENERAL PLAN AND ELEVATION
- STR 12. WALL DETAILS

**HIGHWAY CLASSIFICATION**

F.A.P. Rte. 0336 - Rakow Road  
 Functional Class: Strategic Regional Arterial  
 ADT: 16.5k-39.4k (2008); 29k-66k (2030)  
 DHV: 1030-3000  
 Design Speed: 45 mph  
 Posted Speed: 45 mph

**DESIGN SPECIFICATIONS**

2007 AASHTO LRFD Bridge Design Specifications  
 with 2008 Interims

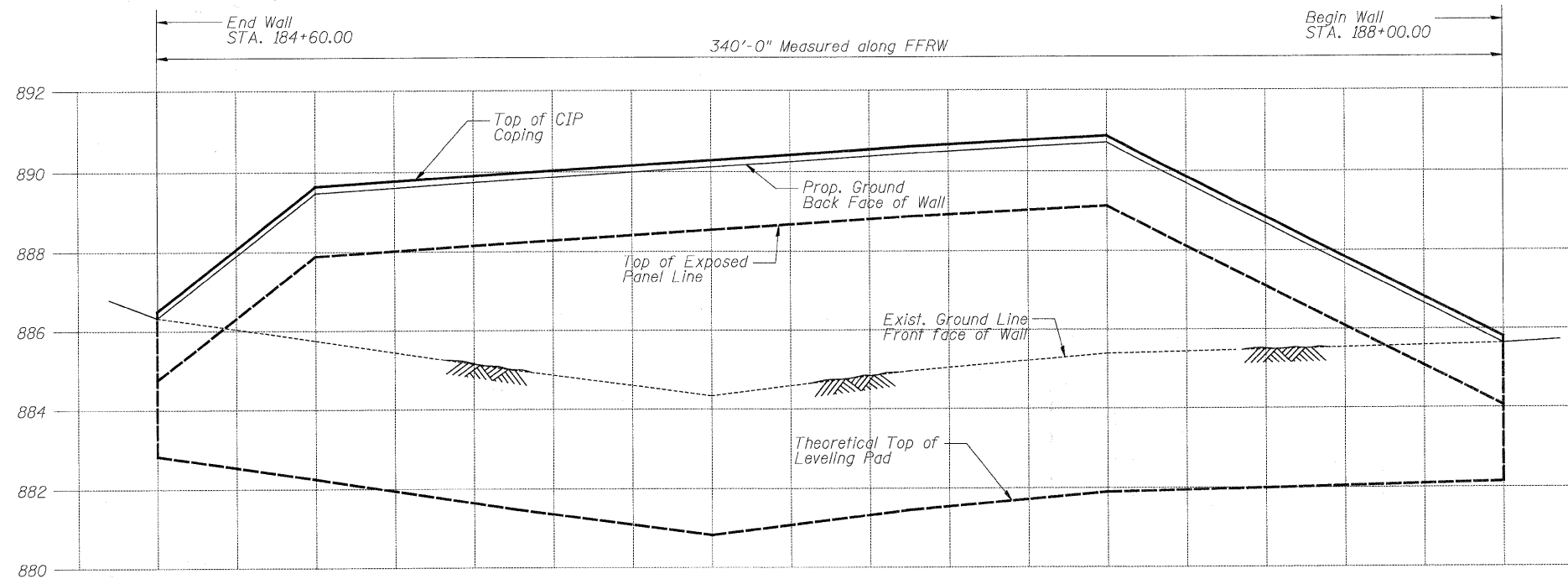
**DESIGN STRESSES**

**FIELD UNITS**

$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)

**PRECAST UNITS**

$f'_c = 4,500$  psi (Precast Panels)

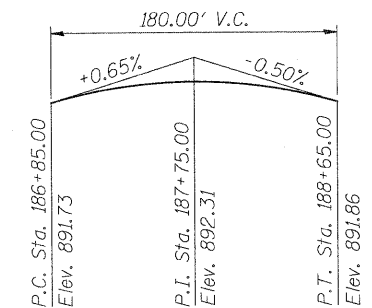


**ELEVATION**

(Looking North at Back Face of wall)

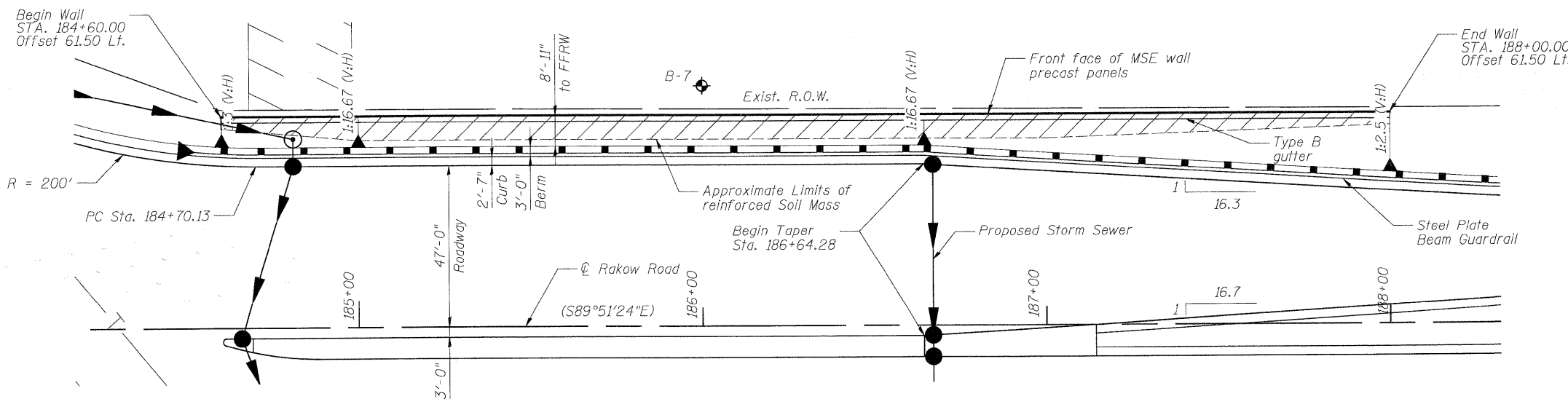
**TABLE OF WALL ELEVATIONS**

Item	STA 184+60.00	STA 185+00.00	STA 186+00.00	STA 187+00.00	STA 188+00.00
Top of exposed panel line	886.03	888.12	888.77	889.36	884.26
Finished grade line at FF of wall	887.61	885.70	884.28	885.34	885.34
Theoretical top of leveling pad	884.11	882.20	880.78	881.84	882.09



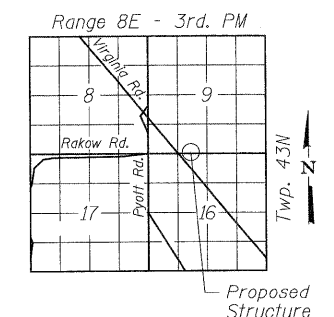
**PROFILE GRADE**

(along P.G. Rakow Road)



**PLAN**

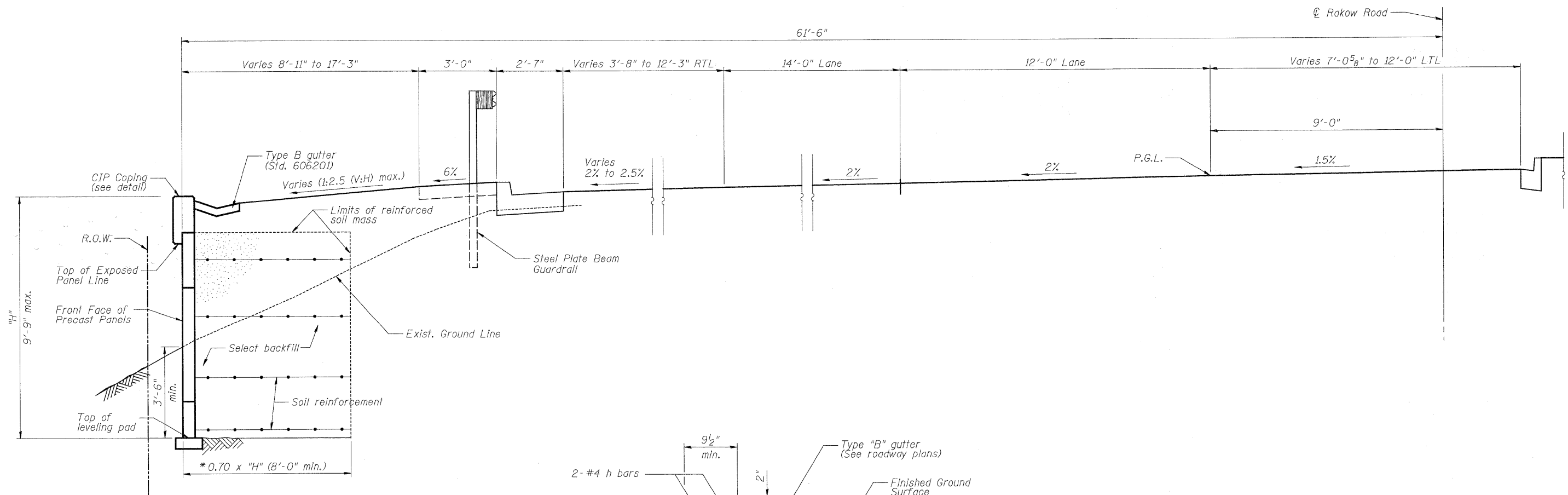
(Offsets are measured from  $\odot$  Rakow Road to Front Face of Precast Panels)



**LOCATION SKETCH**

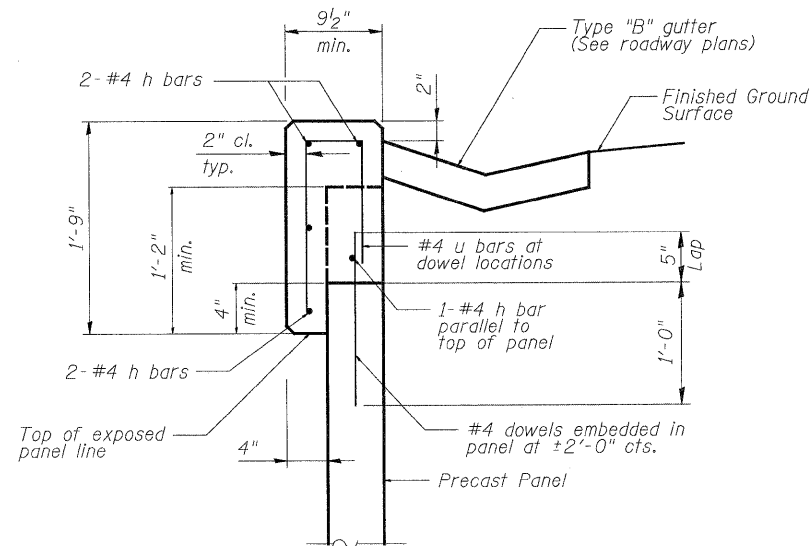
**GENERAL PLAN AND ELEVATION**

<p><b>PATRICK</b> ENGINEERING INC. LISLE, ILLINOIS</p>	USER NAME = Rdwy_Lisle PLOT CONFIG = PDF(Grey, Large).plt PLOT SCALE = 1:22 PLOT DATE = 7/28/2010	DESIGNED - A. Durbak DRAWN - A. Durbak CHECKED - A. Yargiooglu DATE - 8/2/2010	REVISED - REVISED - REVISED - REVISED -	<p><b>MCHENRY COUNTY</b> DIVISION OF TRANSPORTATION</p>	<p><b>RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31</b> <b>RETAINING WALL</b></p>	F.A. RTE. 0336 SECTION 05-00308-00-WR COUNTY MCHENRY TOTAL SHEETS 606 SHEET NO. 413
	SCALE: NONE    SHEET NO. STR 11 OF 22    STA. TO STA.		CONTRACT NO.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



**TYPICAL WALL SECTION**  
(Looking East)

\* Wall dimensions to be determined during final design. Allowable soil bearing capacity is 3,000 psf.



**CIP COPING DETAIL**

Cost of C.I.P. Coping and reinforcement included with the item "Mechanically Stabilized Earth Retaining Wall"

**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	2,113
Structure Excavation	Cu. Yd.	247

**WALL DETAILS**

<p><b>PATRICK ENGINEERING INC.</b> LISLE, ILLINOIS</p>	USER NAME = Rdwg.Lisle PLOT CONFIG = PDF(Greg.Large).plt PLOT SCALE = 1:20 PLOT DATE = 7/28/2010	DESIGNED - A. Durbak DRAWN - A. Durbak CHECKED - A. Yargicoglu DATE - 8/2/2010	REVISED - REVISED - REVISED - REVISED -	<p><b>MCHENRY COUNTY</b> <b>DIVISION OF TRANSPORTATION</b></p>	<b>ROKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31</b> <b>RETAINING WALL</b>		F.A. RTE. 0336 SECTION 05-00308-00-WR COUNTY MCHENRY TOTAL SHEETS 606 SHEET NO. 414	CONTRACT NO.
	SCALE: NONE SHEET NO. STR 12 OF 22 STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

Benchmark: PEI 560-4' Rebar, Sta. 107+57.83, 73.72' LT, EL = 890.35

Existing Structure: S.N. 056-3157 built in 1994 as double 10'x5' R.C. box culvert with a headwall to headwall length of 120'-0".

Existing structure is to be extended 56'-5" on the east side.

Precast culvert option will not be allowed at this site.

No salvage.

**GENERAL NOTES**

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

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

Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

CRYSTAL CREEK  
RE-BUILT 2010 BY  
MCHENRY COUNTY  
SEC. 05-00308-00-WR  
STATION 112+94.31  
STR. NO. 056-3157 LOADING HS20

**NAME PLATE**  
See Std. 515001

**INDEX OF SHEETS**

- STR 13. General Plan and Elevation
- STR 14. Culvert Details I
- STR 15. Culvert Details II

**CURVE RAK 4 DATA**

- $\Delta = 60^\circ 11' 27''$  (RT)
- $D = 1^\circ 59' 22''$
- $T = 1,669.17'$
- $L = 3,025.53'$
- $E = 448.74'$
- $R = 2,880.00'$
- S.E. = 4.0%
- P.C. = Sta. 110+47.98
- P.T. = Sta. 140+73.51
- P.I. = Sta. 127+17.15

**LOADING HS20-44**

\*\*\*Allow 50#/sq. ft. for Future Wearing Surface.

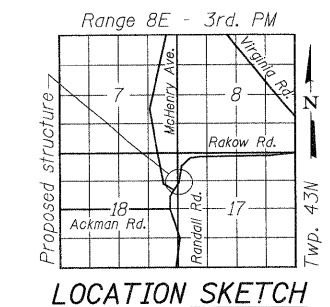
**DESIGN SPECIFICATIONS**

2002 AASHTO

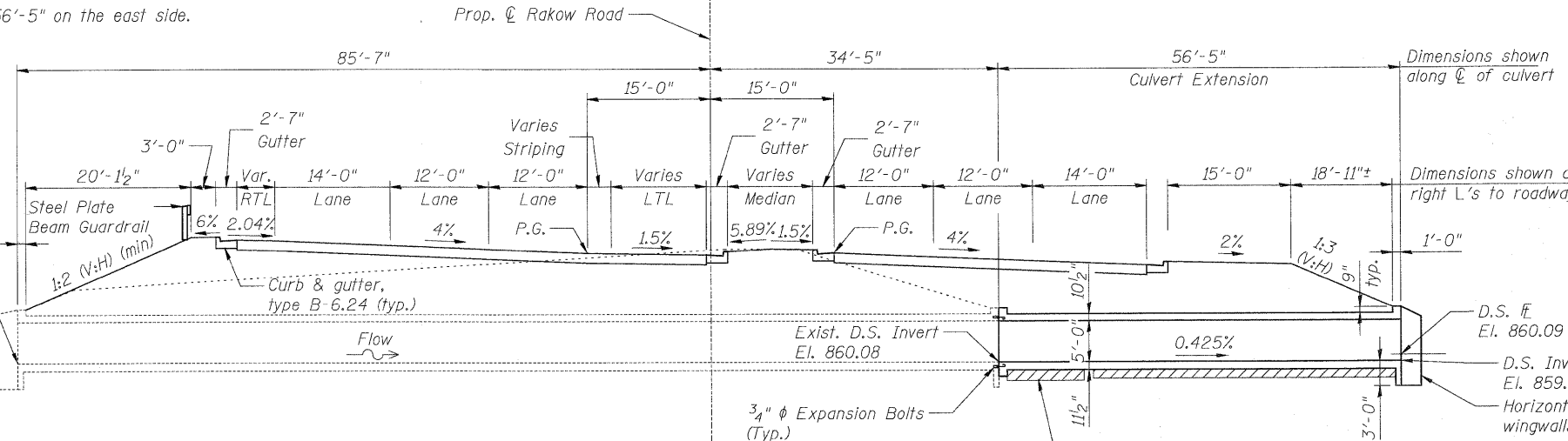
**DESIGN STRESSES**

- FIELD UNITS (NEW CONSTRUCTION)
- $f'_c = 3,500$  psi
- $f_y = 60,000$  psi (reinforcement)

\*\*\*Existing Structure is adequate for new loading condition.



**GENERAL PLAN AND ELEVATION**



**LONGITUDINAL SECTION**

Replace unsuitable material, as required in the field, with coarse aggregate (CA 7, CA 11 or CA 5 and CA 7 per Article 1004.04 of Standard Specifications). The aggregate shall be placed and compacted per Article 207.03 of Standard Specifications.

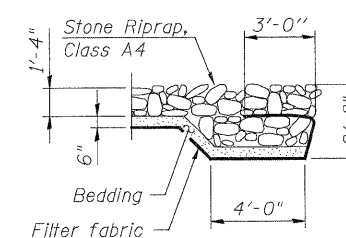
**WATERWAY INFORMATION**

Proposed Low Grade Elev. 871.00 @ Sta. 116+60.71

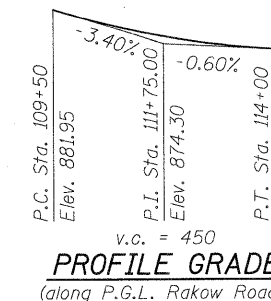
Flood	Freq. Yr.	Q (C.F.S.)	Opening (Sq. Ft.)		Nat. H.W.E.	Head (Ft.)		Headwater Elev.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	383	75.80	75.80	864.4	0.00	0.00	864.39	864.39
Base	50	712	98.00	98.00	865.5	0.33	0.26	865.83	865.76
Ex. Overtop	100	954	100.00	100.00	866.1	1.08	1.00	867.16	867.08
Max. Calc.	>100	1302	100.00	100.00	866.7	2.77	2.74	869.51	869.48
	500	1440	100.00	100.00	867.0	2.92	3.63	869.90	870.61

**DESIGN SCOUR ELEVATION TABLE**

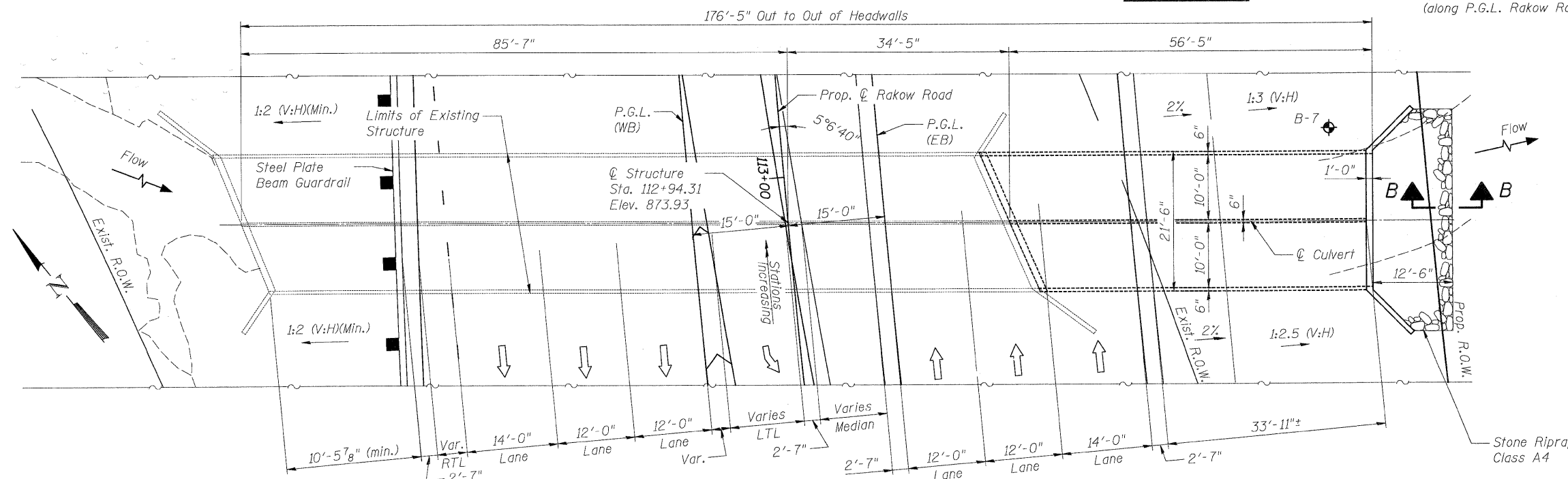
Design Scour Elevation (ft.)	Upstream	Downstream
	857.60	856.84



**SECTION B-B**



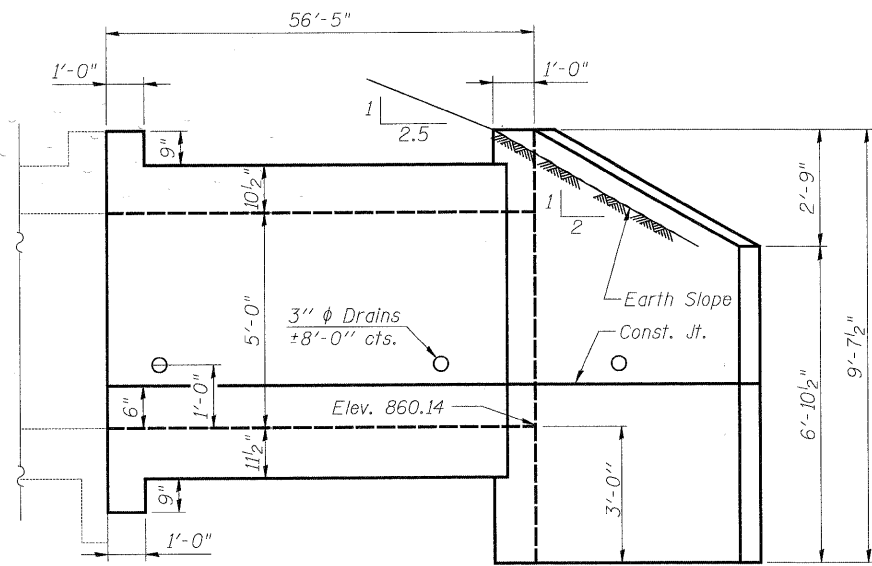
**PROFILE GRADE**  
(along P.G.L. Rakow Road)



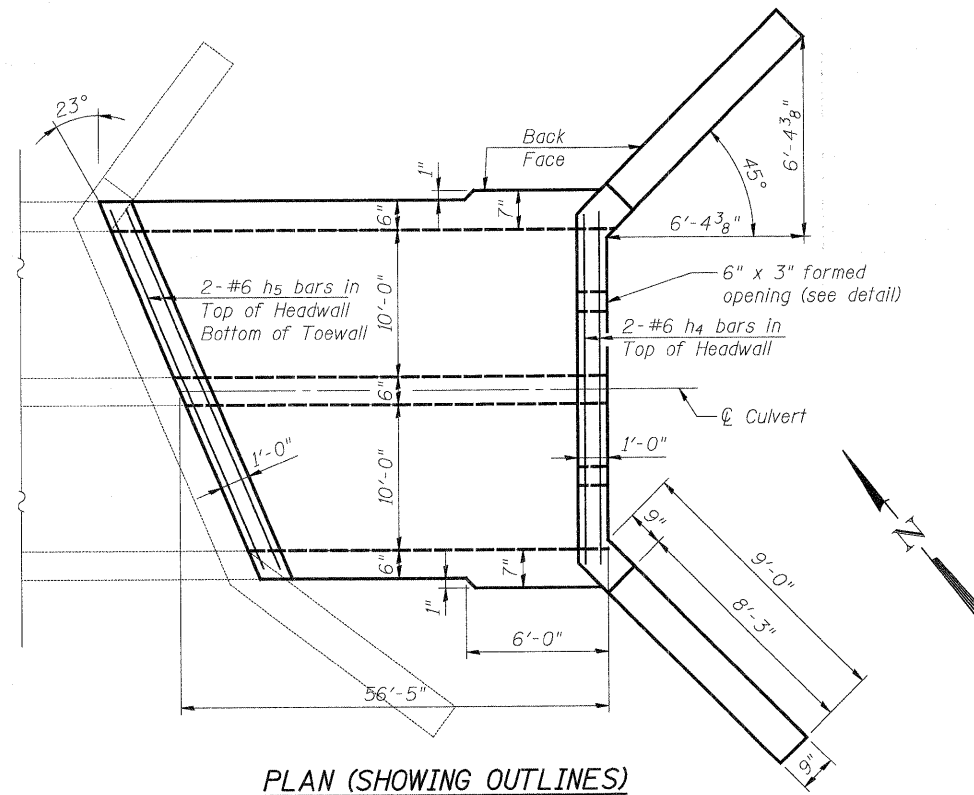
**PLAN**

	USER NAME = Rdwy_Lisle	DESIGNED - A. Durbak	REVISED -		<b>RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31</b> <b>BOX CULVERT OVER CRYSTAL CREEK</b> <b>STA 112+94.31 STRUCTURE NO. 056-3157</b>			F.A. RTE. 0336	SECTION 05-00308-00-WR	COUNTY MCHENRY	TOTAL SHEETS 606	SHEET NO. 415
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PLOT SCALE = 1:10	CHECKED - A. Yargiooglu	DATE - 8/2/2010										
PLOT DATE = 7/28/2010												

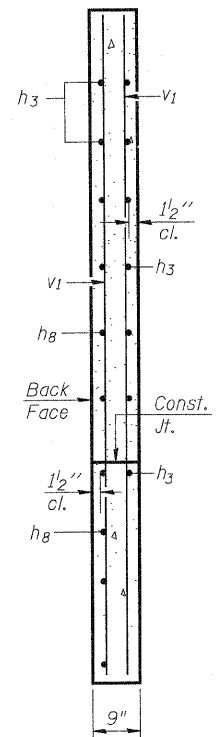
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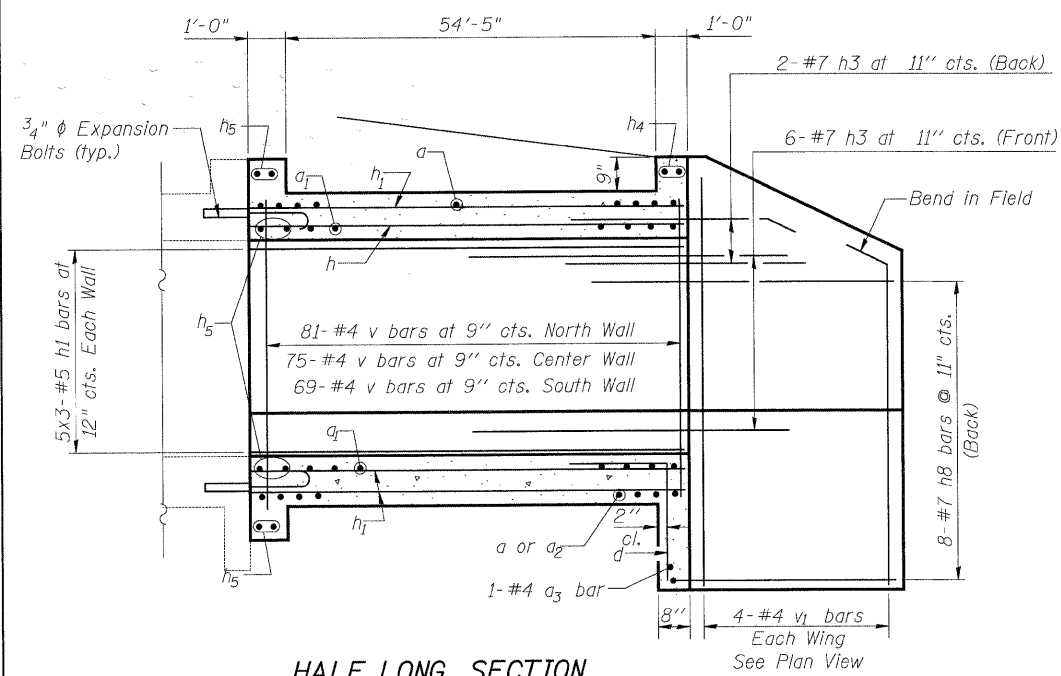
HALF ELEVATION



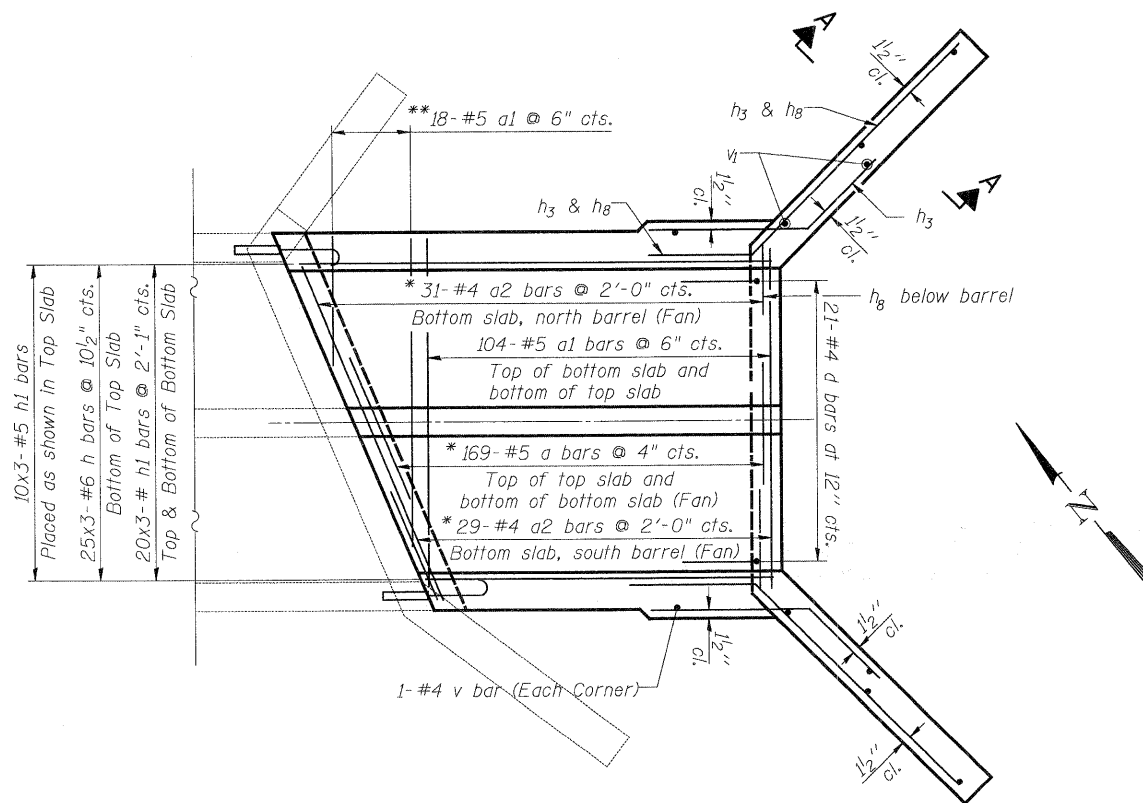
PLAN (SHOWING OUTLINES)



SECTION A-A



HALF LONG. SECTION



PLAN (SHOWING REINFORCEMENT)

MIN. LAP SPLICE

#5 bar = 1'-8"  
#6 bar = 2'-0"

- \* Fan bars from along the skew to square.
- \*\* Order bars full length, cut to fit and use remainder in opposite slab.

NOTES

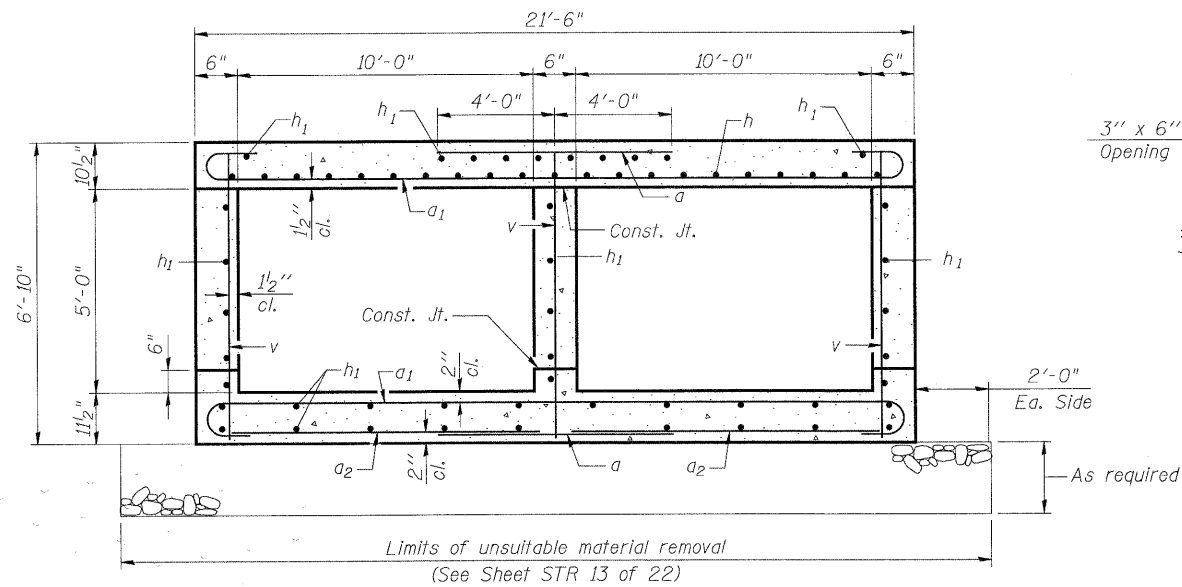
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.  
Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

CULVERT DETAILS I

<p><b>PATRICK</b> ENGINEERING INC. LISLE, ILLINOIS</p>	USER NAME = Rduy_Lisle PLOT CONFIG = PDF(Reg, Large).plt PLOT SCALE = 1:10 PLOT DATE = 7/28/2010	DESIGNED - A. Durbak DRAWN - A. Durbak CHECKED - A. Yargilooglu DATE - 8/2/2010	REVISED - REVISED - REVISED - REVISED -	<p><b>MCHENRY COUNTY</b> DIVISION OF TRANSPORTATION</p>	<b>RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31</b> <b>BOX CULVERT OVER CRYSTAL CREEK</b> <b>STA 112+94.31 STRUCTURE NO. 056-3157</b>			F.A. RTE. 0336 SECTION 05-00308-00-WR COUNTY MCHENRY TOTAL SHEETS 606 SHEET NO. 416	CONTRACT NO.
	SCALE: NONE SHEET NO. STR 14 OF 22 STA. TO STA.					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

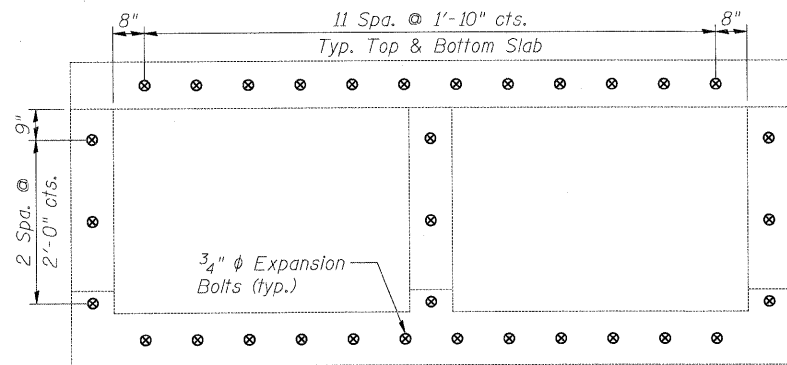
**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a	338	#5	8'- 0"	—
a1	226	#5	22'- 4"	U
a2	60	#4	10'- 6"	—
a3	1	#4	21'- 2"	—
d	21	#4	4'- 6"	L
h	75	#6	22'- 0"	—
h1	135	#5	22'- 10"	—
h3	18	#7	9'- 8"	—
h4	2	#6	21'- 2"	—
h5	8	#6	22'- 11"	—
h8	16	#7	11'- 10"	—
v	227	#4	6'- 6"	—
v1	8	#4	9'- 4"	—
Stone Riprap, Class A4			Sq. Yd.	43.0
Filter Fabric			Sq. Yd.	43.0
Structure Excavation			Cu. Yd.	27.0
Reinforcement Bars			Pound	16,400
Expansion Bolts 3/4 Inch			Each	33
Concrete Box Culverts			Cu. Yd.	105.4
Name Plates			Each	1



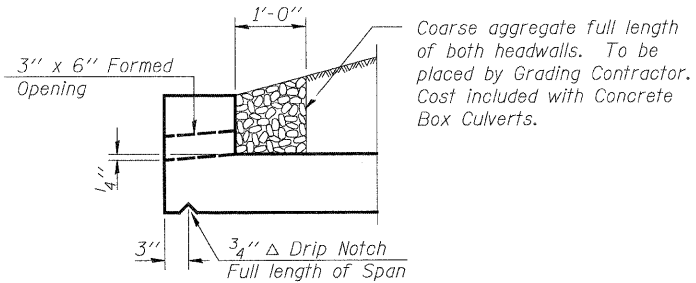
**SECTION THRU BARREL**

(Maximum Soil Pressure Under Barrel = 2,000 psf)

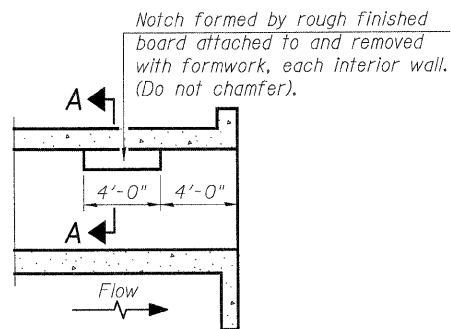


**SECTION THRU EXISTING BARREL**

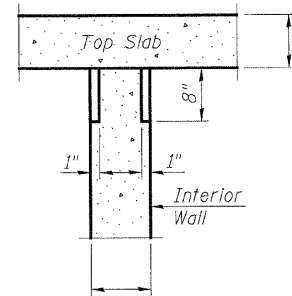
Showing placement of Expansion Bolts



**DRAIN DETAIL**

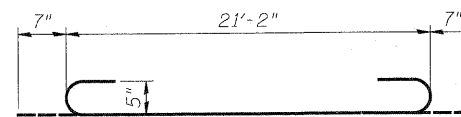


**LONGITUDINAL SECTION**

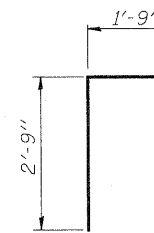


**SECTION A-A**

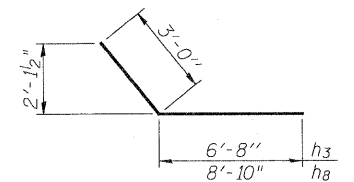
**PHOEBE NESTING  
SITE DETAILS  
(Downstream End Only)**



**BAR a1**



**BAR d**



**BARS h3 & h8**

**CULVERT DETAILS II**

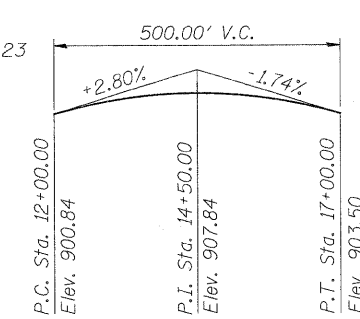
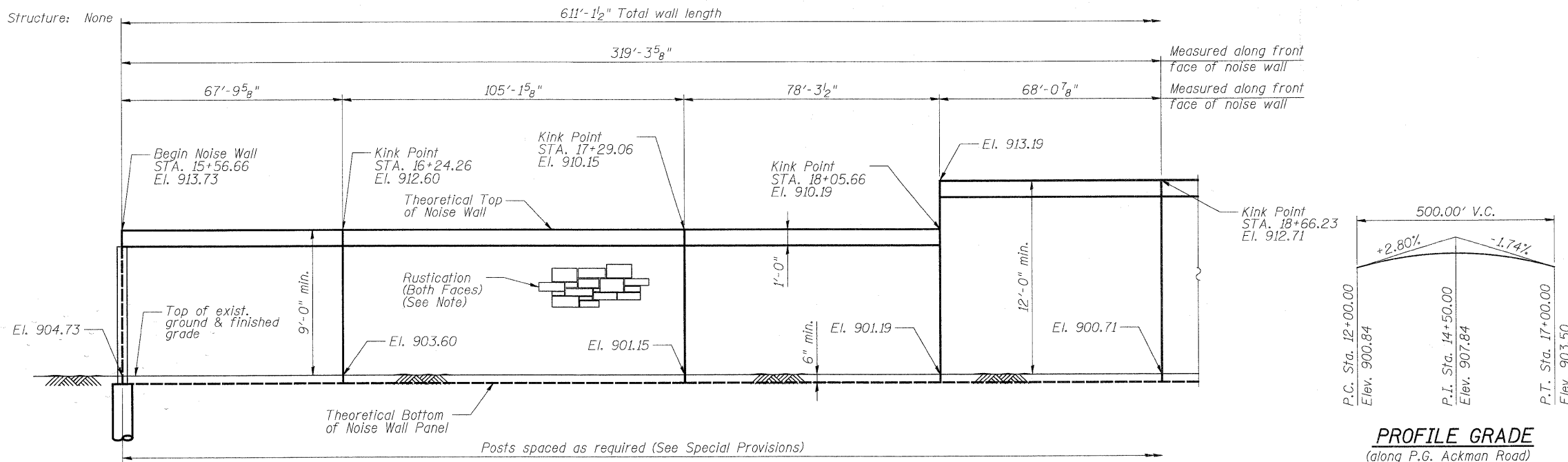
	USER NAME = Rduy.Lisle	DESIGNED - A. Durbak	REVISED -		<b>RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31 BOX CULVERT OVER CRYSTAL CREEK STA 112+94.31 STRUCTURE NO. 056-3157</b>	F.A. RTE. 0336	SECTION 05-00308-00-WR	COUNTY MCHENRY	TOTAL SHEETS 606	SHEET NO. 417		
	PLOT CONFIG = PDF(Grey, Large).plt	DRAWN - A. Durbak	REVISED -			SCALE: NONE	SHEET NO. STR 15 OF 22	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
	PLOT SCALE = 1/8"	CHECKED - A. Yargilooglu	REVISED -									
	PLOT DATE = 7/28/2010	DATE - 8/2/2010	REVISED -									

G:\MCDOT\209502\_001\Drawings\STRUCT\FinalPlans\S15 Culvert Details.dgn



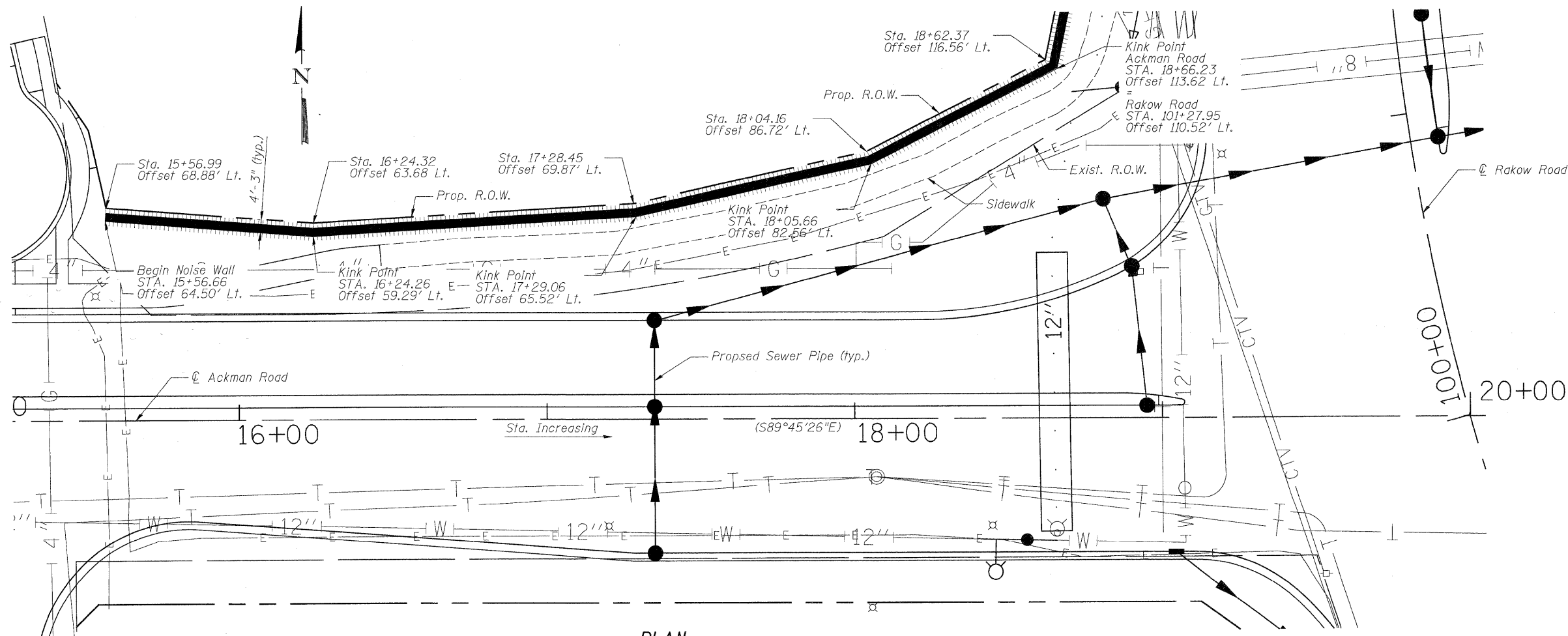
Benchmark: PEI 560-4' Rebar, Sta. 107+57.83, 73.72' LT, EL = 890.35

Existing Structure: None



**DEVELOPED ELEVATION**

(Looking North)  
(Stations along Ackman Road.)



**PLAN**

(Offsets measured to front face of wall.)  
(Stations along Ackman Road.)

**INDEX OF SHEETS**

- STR 16. General Plan I
- STR 17. General Plan II
- STR 18. Details

**HIGHWAY CLASSIFICATION**

F.A.P. Rte. 0336 - Rakow Road  
Functional Class: Strategic Regional Arterial  
ADT: 16.5k-39.4k (2008); 29k-66k (2030)  
DHV: 1030-3000  
Design Speed: 45 mph  
Posted Speed: 45 mph

F.A.U. Rte. 3873 - Ackman Road  
Functional Class: Minor Arterial  
ADT: 13.1k (2008); 22.2k (2030)  
DHV: 1245  
Design Speed: 40 mph  
Posted Speed: 40 mph

**LOADING**

Wind Load on noise wall = 25 psf

**DESIGN SPECIFICATIONS**

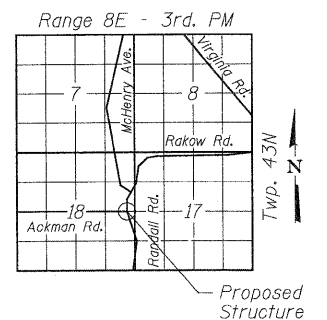
AASHTO 2002 Standard Specifications for Highway Bridges  
AASHTO 1989 Guide Specifications for Structural Design of Sound Barriers and 1992 & 2002 Interims

**DESIGN STRESSES**

**FIELD UNITS**

- $f_c = 3,500$  psi
- $f_y = 60,000$  psi (reinforcement)
- $f_y = 50,000$  psi (M270 Grade 50)

Note:  
See Sheet STR 18 of 22 for typical section and Noise Abatement Wall Notes.



**LOCATION SKETCH**

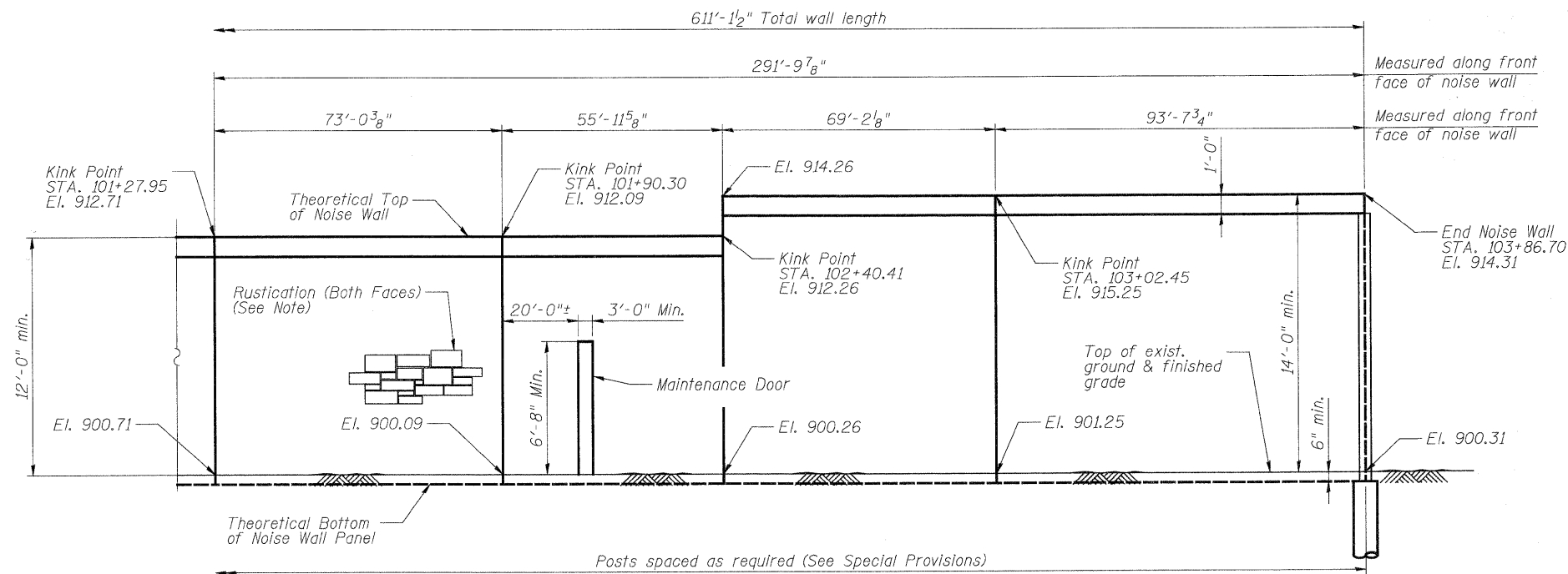
**LEGEND**

- W — Water Line
- CTV — Cable TV Line
- T — Telephone Line
- G — Gas Line

**GENERAL PLAN I**

	USER NAME = Rdwy_Lisle	DESIGNED - A. Durbak	REVISED -		<b>RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31 NOISEWALL</b>			F.A. RTE. 0336	SECTION 05-00308-00-WR	COUNTY MCHENRY	TOTAL SHEETS 606	SHEET NO. 418
	PLOT CONFIG= PDF(Greg_Large)plt	DRAWN - A. Durbak	REVISED -					SCALE: NONE	SHEET NO. STR 16 OF 22	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT
PLOT SCALE = 1:20	CHECKED - A. Yargtooglu	REVISED -										
PLOT DATE = 7/26/2010	DATE - 8/2/2010	REVISED -										



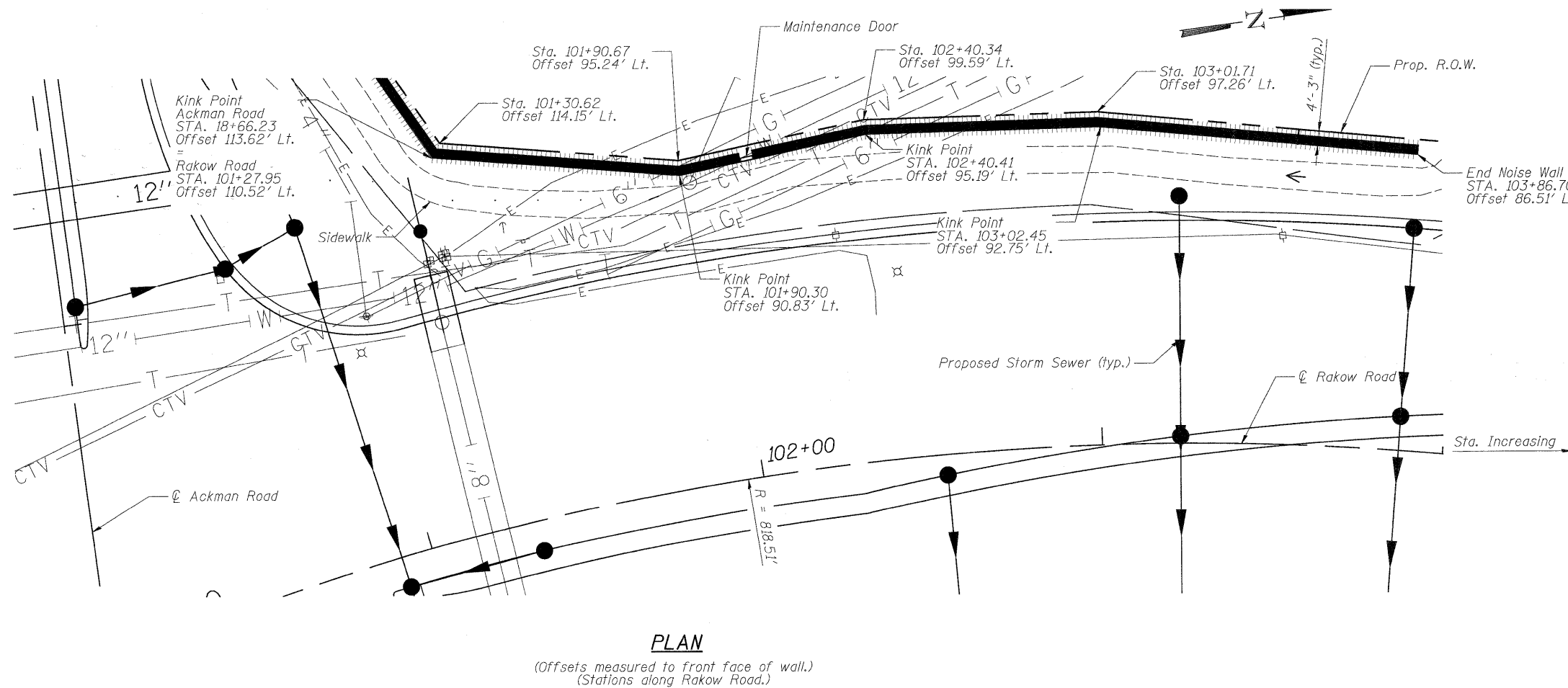


**DEVELOPED ELEVATION**

(Looking West)  
(Stations along Rakow Road.)

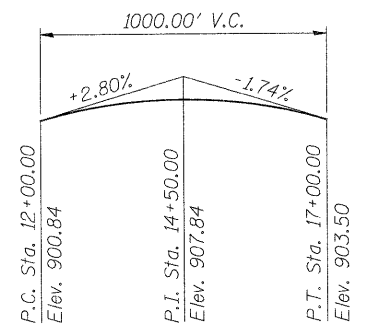
**CURVE DATA RAK 3**

Δ = 46° 45' 07" (RT)  
 D = 7° 00' 00"  
 T = 353.79'  
 L = 667.88'  
 E = 73.19'  
 R = 818.51'  
 S.E. = 4.0%  
 P.C. = Sta. 99+58.00  
 P.T. = Sta. 106+25.88  
 P.I. = Sta. 103+11.79



**PLAN**

(Offsets measured to front face of wall.)  
(Stations along Rakow Road.)



**PROFILE GRADE**  
(along P.G. Rakow Road)

Note:  
See Sheet STR 18 of 22 for typical section and Noise Abatement Wall Notes.

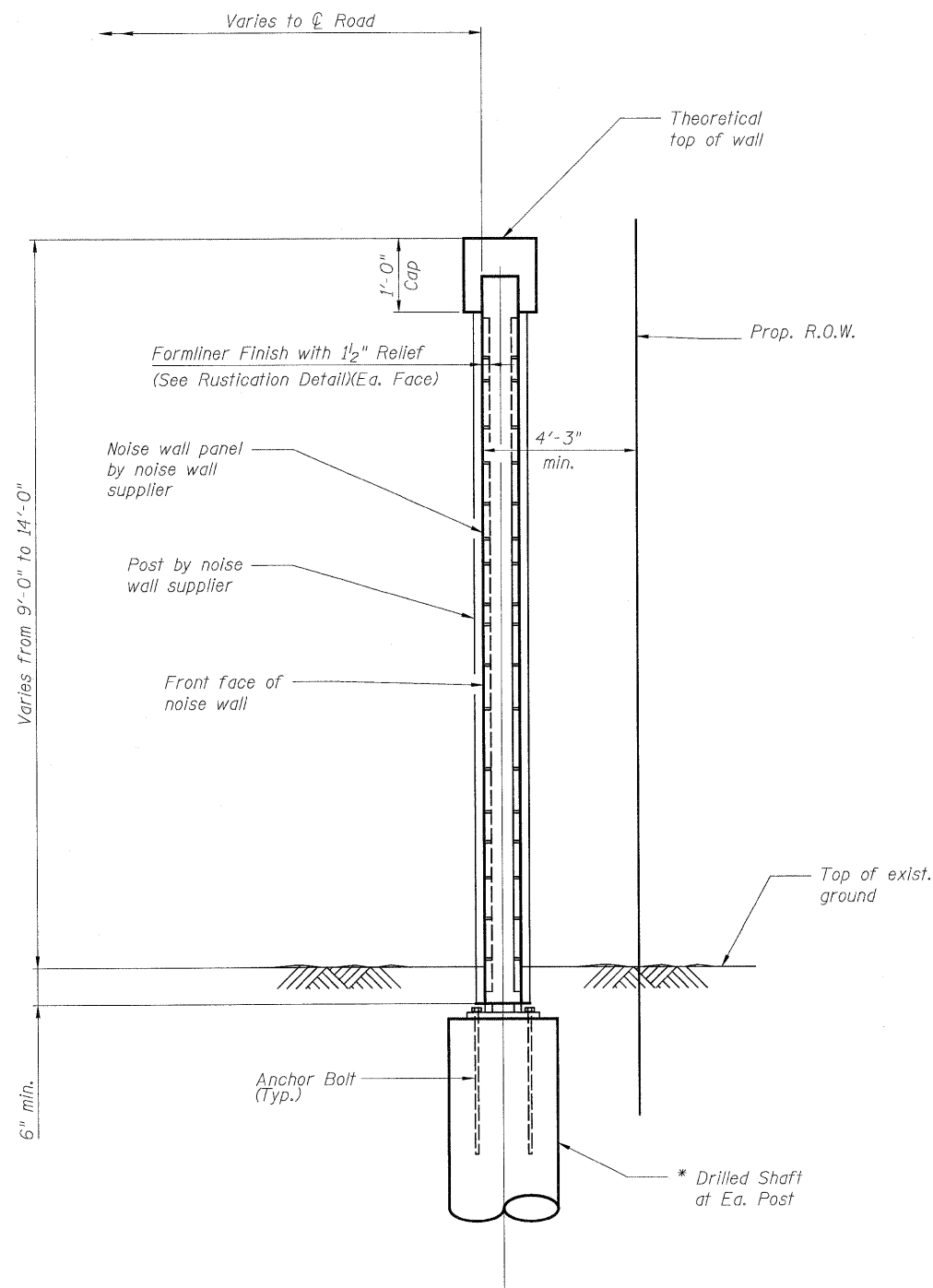
**LEGEND**

- |W|— Water Line
- |CTV|— Cable TV Line
- |T|— Telephone Line
- |G|— Gas Line
- |E|— Electric Line

**GENERAL PLAN II**

<b>PATRICK ENGINEERING INC.</b> LISLE, ILLINOIS	USER NAME = Rduy_Lisle	DESIGNED - A. Durbak	REVISED -		<b>RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31 NOISEWALL</b>			F.A. RTE. 0336	SECTION 05-00308-00-WR	COUNTY MCHENRY	TOTAL SHEETS 606	SHEET NO. 419
	PLOT CONFIG = PDFGrey_Large.plt	DRAWN - A. Durbak	REVISED -					SCALE: NONE	SHEET NO. STR 17 OF 22	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	CONTRACT NO.
PLOT SCALE = 1:20	CHECKED - A. Yarglooglu	DATE - 8/2/2010	REVISED -									
PLOT DATE = 7/28/2010												

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**TYP. SECTION**

\* When no boring data is available, the Contractor shall assume a soil unit weight of 70 pcf, an internal friction angle of 30° and a cohesion intercept of 0 ksf when designing the shaft foundation dimensions.

**NOISE ABATEMENT WALL NOTES:**

Sound Transmission Class

The noise abatement wall shall be a two-sided reflective system.

The noise abatement wall shall be designed to achieve a Sound Transmission Class (STC) equal to or greater than 20 when tested in accordance with ASTM E 90. The test frequency band shall be extended to include the 125 and 4000 Hz bands.

Access Door

Access door(s) shall be a Halliday Product Series SIR2424 or an approved equal. Access door(s) shall be modified to include a slam lock to keep the door flush with the noise abatement wall while closed.

Maintenance Door

Maintenance doors shall be a Ceco Door Products Medallion Model MS or approved equal. Each door shall provide a 3 ft wide by 7 ft high minimum clear access opening. The door panel shall be constructed of 18 gauge galvanized steel. The door shall be mounted so the face of the door is flush with the roadside face of the noise abatement wall. The doorframe shall be a Ceco Door Products Series SU 4-3/4 inch steel frame or approved equal. The frame shall be constructed of 14 gauge galvanized steel. The door shall be equipped with a latch to keep the door flush with the noise abatement wall while closed.

The door and frame shall be painted to blend with the adjacent concrete panels. The doors and frames shall be painted per Section 506 and Subsection 506.3.4. Galvanized surfaces shall be prepared in accordance with the paint manufacturer's recommendations.

Aesthetics

Wall panels shall be colored and have a surface treatment on both the front and back surfaces. The surface treatment shall be accomplished by the use of form liners. Random Ashlar Stone Form Liner Pattern with a relief of 1" to 1 1/2" or approved equivalent shall be used.

The panels shall contain neither patched nor unpatched tie holes.

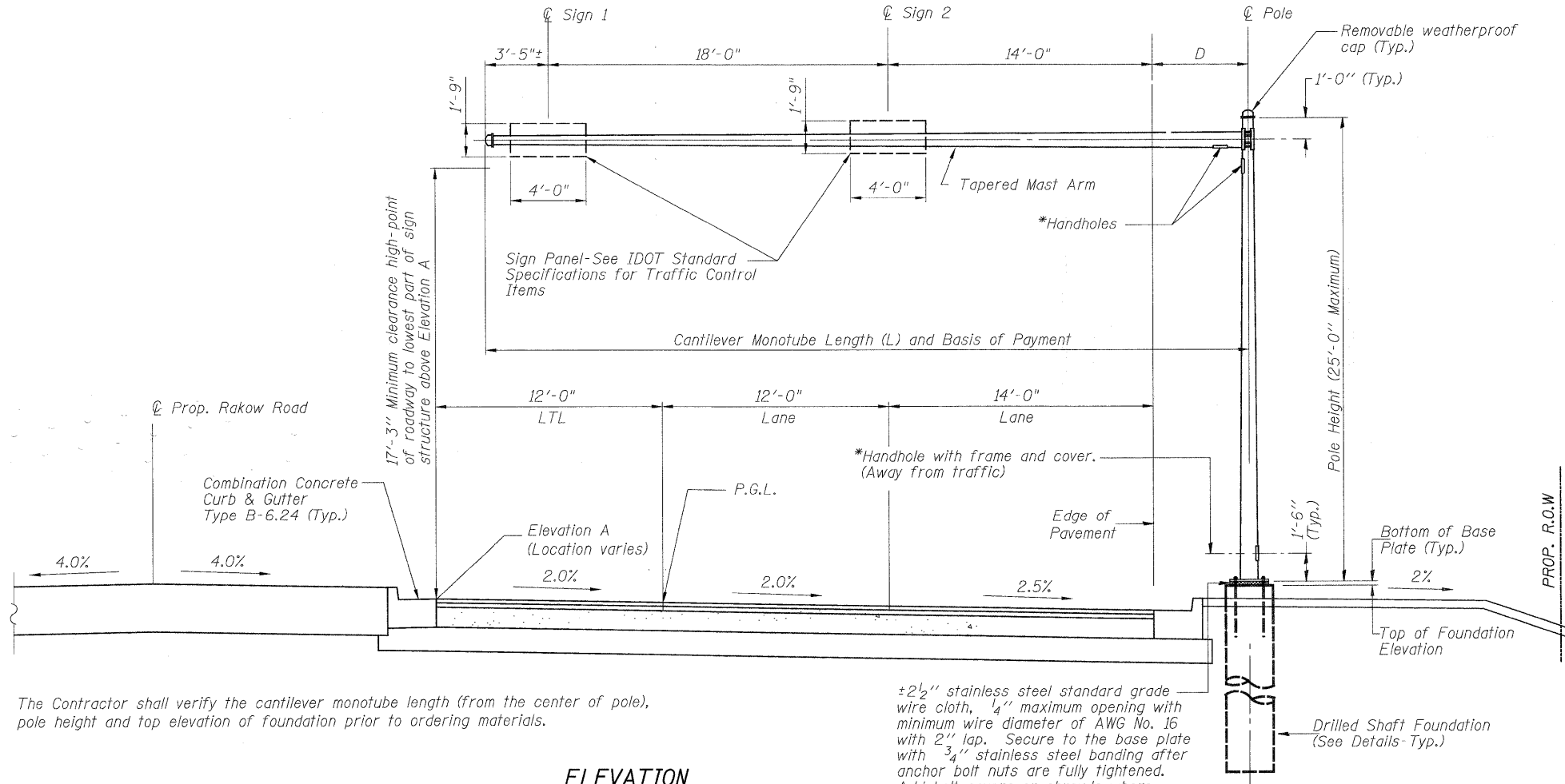
The preferred color of the posts and panel cap is beige and the color of the remaining panel surface tan. If other colors are submitted for review they shall be of similar complimentary contrasting colors. The top surfaces of the panels and posts shall be the same color as their respective adjoining faces. Coloring shall be accomplished by the use of stains or coatings. The staining or coating products must be compatible with the surface sealing coating specified herein. The Engineer may waive the requirement of a separate sealing product if the staining or coating product also meets the performance requirements of the sealing product.

Surface Sealing

All surfaces of the panels and concrete posts towards the traveled way shall receive a coating to seal the surfaces against the intrusion of deicing salts. The sealing coating shall conform to the requirements of the Standard Specifications.

**BILL OF MATERIAL**

ITEM	ITEM	UNIT	TOTAL
	Noise Abatement Wall, Precast Concrete (Ground Mounted)	Sq. Ft.	6,905



**GENERAL NOTES**

**DESIGN:** Current (at time of letting) AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

**CONSTRUCTION:** Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Recurring Special Provisions. ("Standard Specifications") All references to "Mast Arm Assembly and Pole" are applicable, unless otherwise noted.

**WELDING:** All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 Structural Welding Code and the Standard Specifications.

**ANCHOR RODS:** Shall meet Charpy V-notch (CVN) energy of 15 lb-ft at 40° F. No welding shall be permitted on rods.

**FASTENERS:** All connection bolts shall be High Strength Bolts M164, Galvanize M232 (A153), Type 3, or stainless steel heavy hex conforming to ASTM A193, Grade B8 or B8M, Class 1. U-bolts shall be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished, or an equivalent material acceptable to the Engineer. Nuts for stainless steel bolts shall be stainless steel conforming to ASTM A194, Grade 8 (AISI Type 304) or Grade 8F (AISI Type 303). All nuts shall be "locknuts" with nylon or steel inserts and semifinished hexagonal heads equivalent to the finished heavy hex series of the American National Standard. Washers for stainless steel bolts shall be stainless steel conforming to ASTM A240, Type 302 or 304.

**REINFORCEMENT BARS:** Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications. Cost of Reinforcement Bars included with Drilled Shaft Concrete Foundations.

**Method of Measurement:** Overhead Sign Structure- Cantilever Monotube will be measured for payment in feet. Measurement will be the total length of the cantilever monotube as installed. Measurements will be made to the nearest 0.1 ft.

**Basis of Payment:** This work will be paid for at the contract unit price per foot for Overhead Sign Structure- Cantilever Monotube.

The Contractor shall verify the cantilever monotube length (from the center of pole), pole height and top elevation of foundation prior to ordering materials.

±2 1/2" stainless steel standard grade wire cloth, 1/4" maximum opening with minimum wire diameter of AWG No. 16 with 2" lap. Secure to the base plate with 3/4" stainless steel banding after anchor bolt nuts are fully tightened. Add bolt covers or shrouds where applicable.

**ELEVATION**

Looking at face of signs.  
Looking upstation for structures with signs both sides.

\* Provide Handhole as needed.

Structure Number	Station	Cantilever Monotube Length (L)	Elevation A	Dimension D	Total Sign/Signal Area	Foundation			Class SI Concrete (Cu. Yds.)
						Elevation Top	Elev. Bottom	A B F	
1C056L336R03.03	160+00.00	40'-6"	889.41	5'-1"	14.0 SQ.FT	889.91	879.91	1'-0" 9'-0" 10'-0"	1.9

**SIGN STRUCTURE DATA TABLE**

NUMBER	REVISION	DATE

**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	1.9
OVERHEAD SIGN STRUCTURE- CANTILEVER MONOTUBE	Foot	40.5



USER NAME = Rdwy\_Lisle  
 PLOT CONFIG = PDFGreg\_Large.plt  
 PLOT SCALE = 1/4"  
 PLOT DATE = 7/28/2010

DESIGNED - A. Yarglooglu  
 DRAWN - A. Yarglooglu  
 CHECKED - R. DiGiullo  
 DATE - 8/2/2010

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -



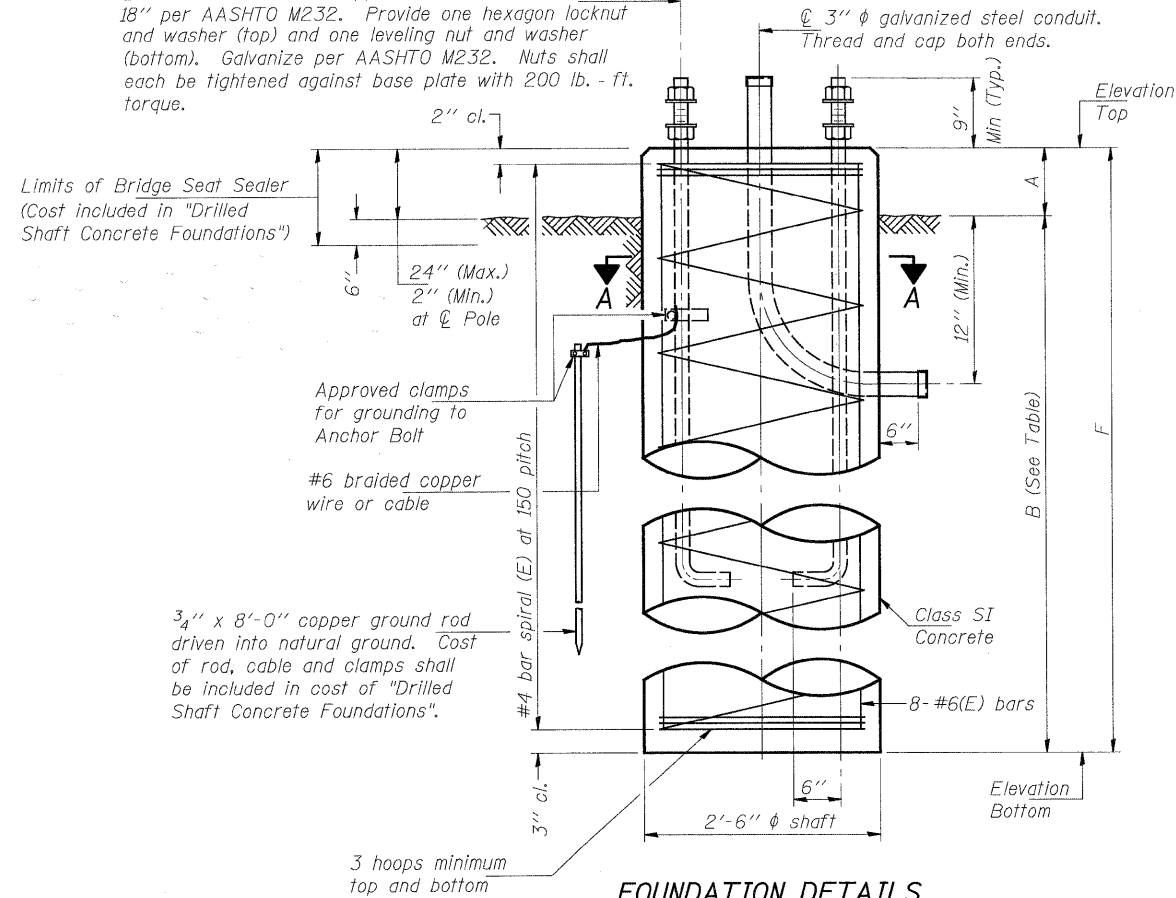
**MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION**

**RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31  
 OVERHEAD SIGN STRUCTURE- CANTILEVER MONOTUBE  
 STEEL MAST ARM ASSEMBLY AND POLE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	421
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.	

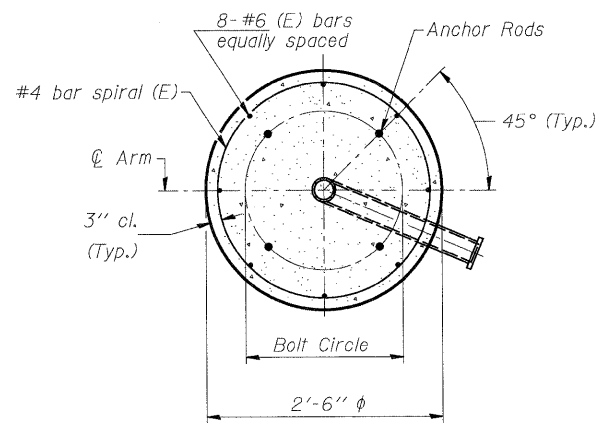
SCALE: NONE SHEET NO. STR 19 OF 22 STA. TO STA.

⊙ anchor rod. Thread upper 8". Galvanize upper 18" per AASHTO M232. Provide one hexagon locknut and washer (top) and one leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb.-ft. torque.

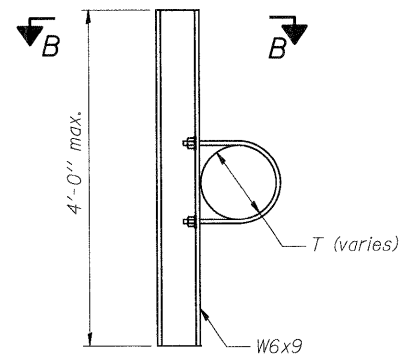


**FOUNDATION DETAILS**

Typical, except conduit may not be required. Provide conduit openings if required.

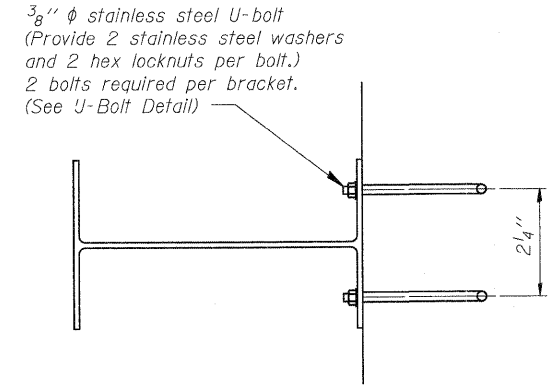


**SECTION A-A**



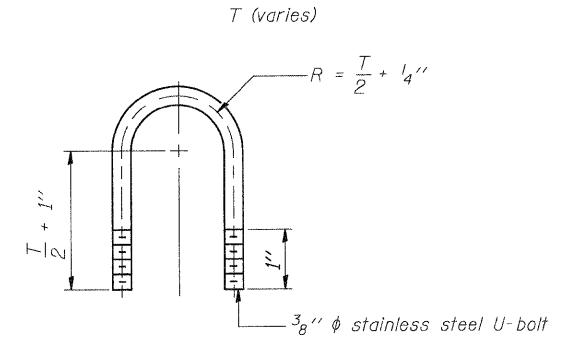
**SIGN MOUNTING BRACKET**

(Minimum 2 Brackets Each Sign)



**SECTION B-B**

6'-0" maximum spacing. 2'-0" maximum sign overhang beyond end bracket.



**U-BOLT DETAIL**

(Typical)

**FOUNDATIONS:**

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1,500 psf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

	USER NAME = Rdy_Lisle	DESIGNED - A. Yarglooglu	REVISED -		<b>RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31</b> <b>OVERHEAD SIGN STRUCTURE- CANTILEVER MONOTUBE</b> <b>FOUNDATION AND SIGN BRACKETS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT CONFIG= PDFGrey_Large.plt	DRAWN - A. Yarglooglu	REVISED -		0336	05-00308-00-WR	MCHENRY	606	422			
PLOT SCALE = 1:1	CHECKED - R. DiGiulio	REVISED -										
PLOT DATE = 7/28/2010	DATE - 8/2/2010	REVISED -										
SCALE: NONE SHEET NO. STR 20 OF 22 STA. TO STA.					FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO.				



Patrick Engineering Inc.  
STRUCTURE BORING LOG

Page 1 of 1  
Date 4/22/09

ROUTE 0336 DESCRIPTION Crystal Creek Culvert Extension

SECT. 05-00308-00-WR STRUCT. NO. DRILLED BY Groff Testing

COUNTY McHenry LOCATION Crystal Lake, IL S. 17, TWP. 43N, RNG. 8E

Boring No. B-7  
Station 113+00  
Offset 85ft R  
Surface Elev. 860.00 ft  
Surface Water Elev. \_\_\_\_\_  
Groundwater Elev.: \_\_\_\_\_  
when drilling Dry  
at Completion Dry  
after \_\_\_\_\_ Hrs. \_\_\_\_\_

DEPTH	DESCRIPTION	DEPTH	BLOWS	QU	W
0	Black topsoil				
1			0	NP	23
1	Gray fine sand, trace roots, soft, moist		1		
2			1	NP	11
2			2		
2			2		
2			3		
2	Brown clay, with medium sand, trace fine gravel, soft, moist		2		14
2			2		
2			3		
2			2		13
2			2		
2			2		
2			6		
2			3	2.0	11
2			5	*	
2			6		
2	Gray silty loam, with medium to coarse sand, moist		2	NP	15
3			3		
3			3		
2	Brown clay, with medium to coarse sand, trace fine gravel, medium stiff, moist		2		13
2			2		
3			3		
1			1		12
3			3		
3			3		
3	Brown clay, with medium to coarse sand, trace fine gravel, stiff, moist		3	1.5	12
5			5	*	
6			6		

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

\* qu values determined using pocket penetrometer

Patrick Engineering Inc.  
STRUCTURE BORING LOG

Page 1 of 1  
Date 4/24/09

ROUTE 0336 DESCRIPTION Retaining Wall #1

SECT. 05-00308-00-WR STRUCT. NO. DRILLED BY Groff Testing



COUNTY McHenry LOCATION Crystal Lake, IL S. 9, TWP. 43N, RNG. 8E

Boring No. B-17  
Station 186+00  
Offset 70ft L  
Surface Elev. \_\_\_\_\_ ft  
Surface Water Elev. \_\_\_\_\_  
Groundwater Elev.: \_\_\_\_\_  
when drilling Dry  
at Completion Dry  
after \_\_\_\_\_ Hrs. \_\_\_\_\_

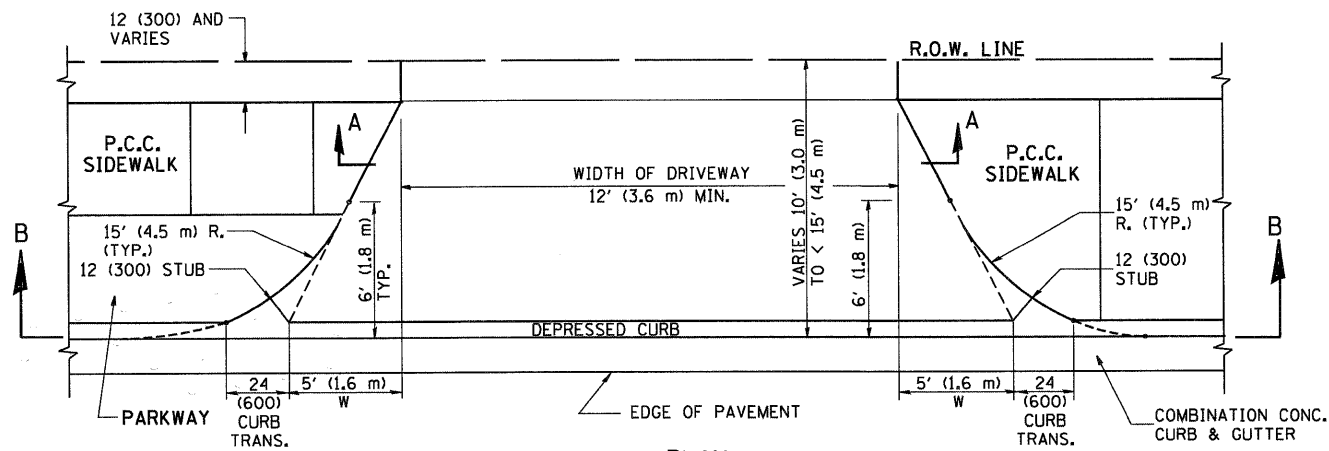
DEPTH	DESCRIPTION	DEPTH	BLOWS	QU	W
0	6" topsoil				
3	Dark brown silty clay with coarse sand and fine gravel, stiff, moist		3		16
5			5		
3			3		15
3			3		
3			4		
2			2		15
4			4		
6			6		
7	Brown medium to coarse sand and fine gravel, poorly graded, medium dense, moist		7	NP	6
6			6		
6			6		

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

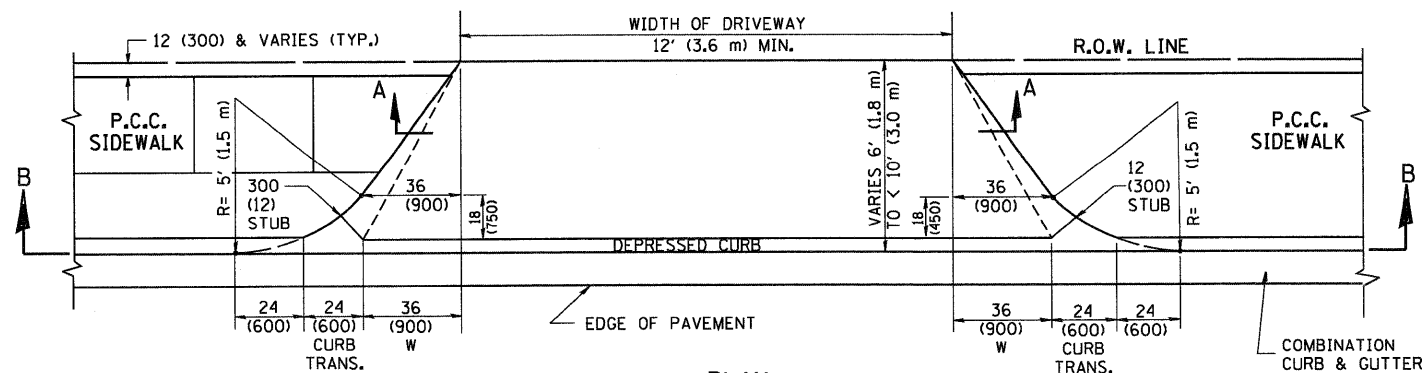
BORINGS II

	USER NAME = Rdmj.Lisle	DESIGNED - A. Durbak	REVISED -		<b>MCHENRY COUNTY</b> <b>DIVISION OF TRANSPORTATION</b>	<b>RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31</b> <b>SOIL BORINGS</b>		F.A. RTE. 0336	SECTION 05-00308-00-WR	COUNTY MCHENRY	TOTAL SHEETS 606	SHEET NO. 424
	PLOT CONFIG= PDF(Grey, Large).plt	DRAWN - A. Durbak	REVISED -			SCALE: NONE	SHEET NO. STR 22 OF 22	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	CONTRACT NO.		
PLOT SCALE = 1/4	CHECKED - A. Yargicoglu	REVISED -										
PLOT DATE = 7/28/2010	DATE - 8/2/2010	REVISED -										

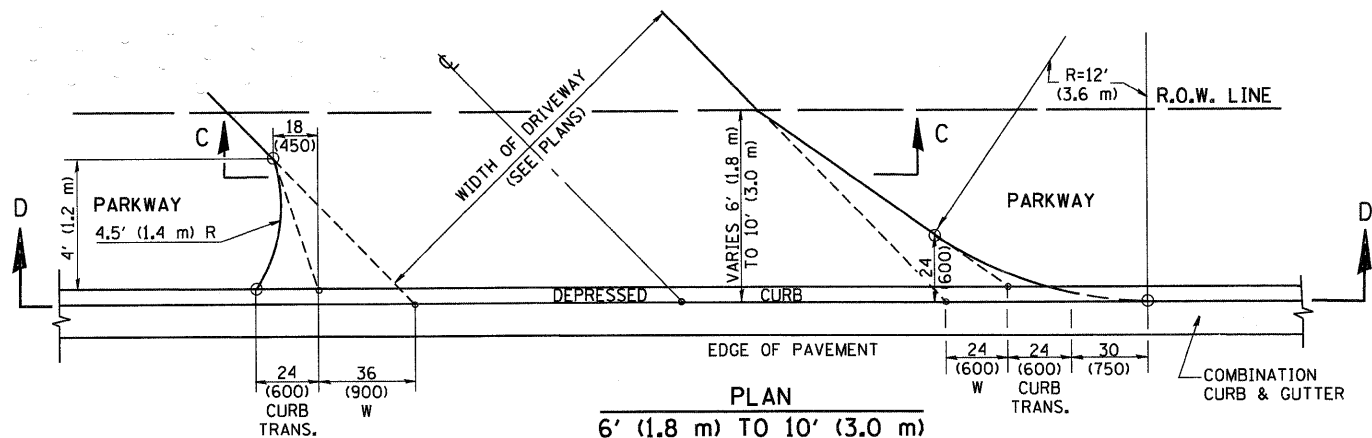




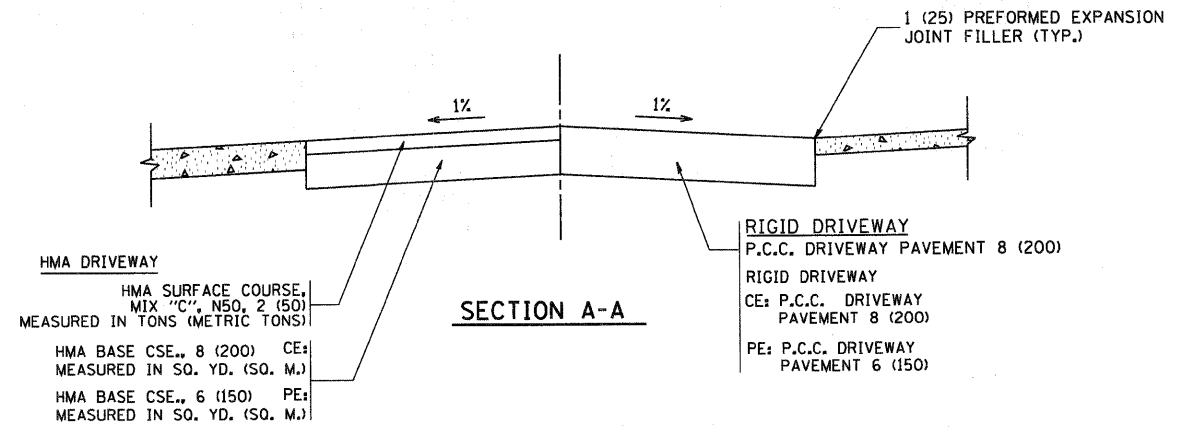
**PLAN**  
10' (3.0 m) TO < 15' (4.5 m)



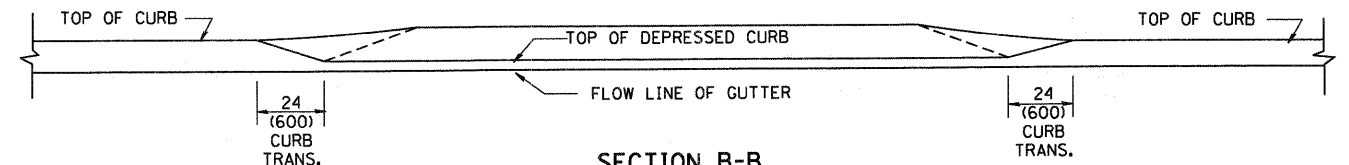
**PLAN**  
6' (1.8 m) TO < 10' (3.0 m)



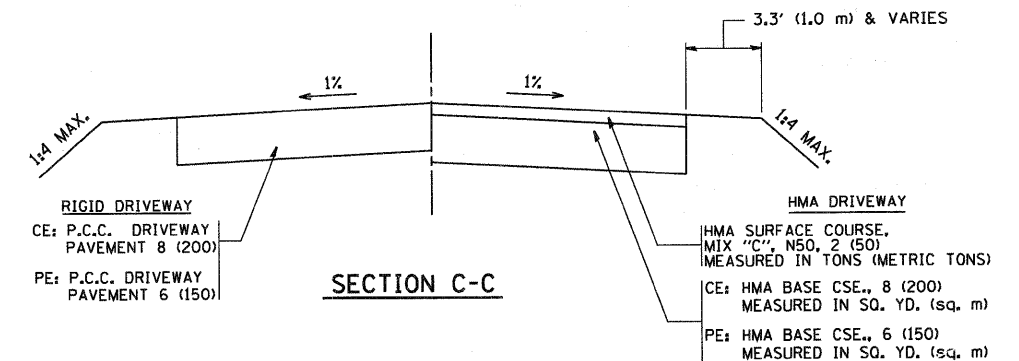
**PLAN**  
6' (1.8 m) TO 10' (3.0 m)



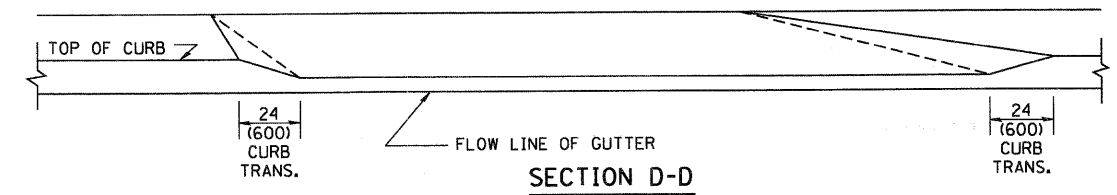
**SECTION A-A**



**SECTION B-B**



**SECTION C-C**



**SECTION D-D**

**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.

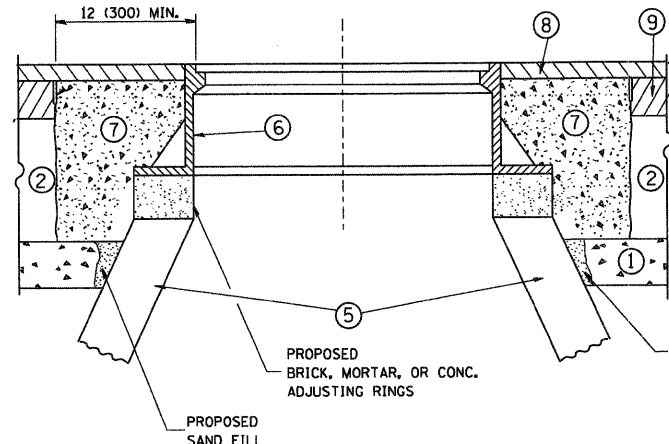
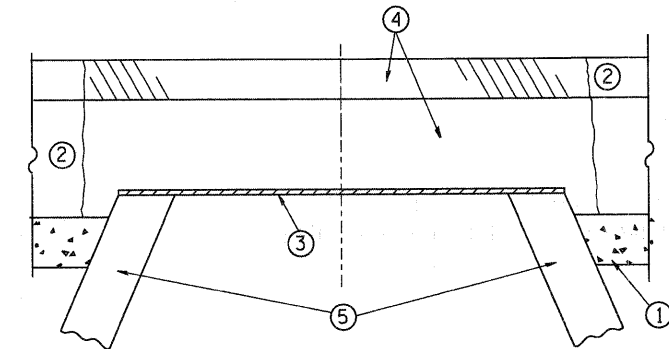
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W:\diststd\22x34\bd02.dgn		DRAWN -	REVISED - M. GOMEZ 04-06-01
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - P. LOFLEUR 04-15-03
	PLOT DATE = 1/4/2008	DATE - 11-06-95	REVISED - R. BORO 01-01-07

**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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	426
BD400-02 (BD-02)			CONTRACT NO. 63398	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

**LEGEND**

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS SI CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

**NOTES:**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

**LOCATION OF STRUCTURES:**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

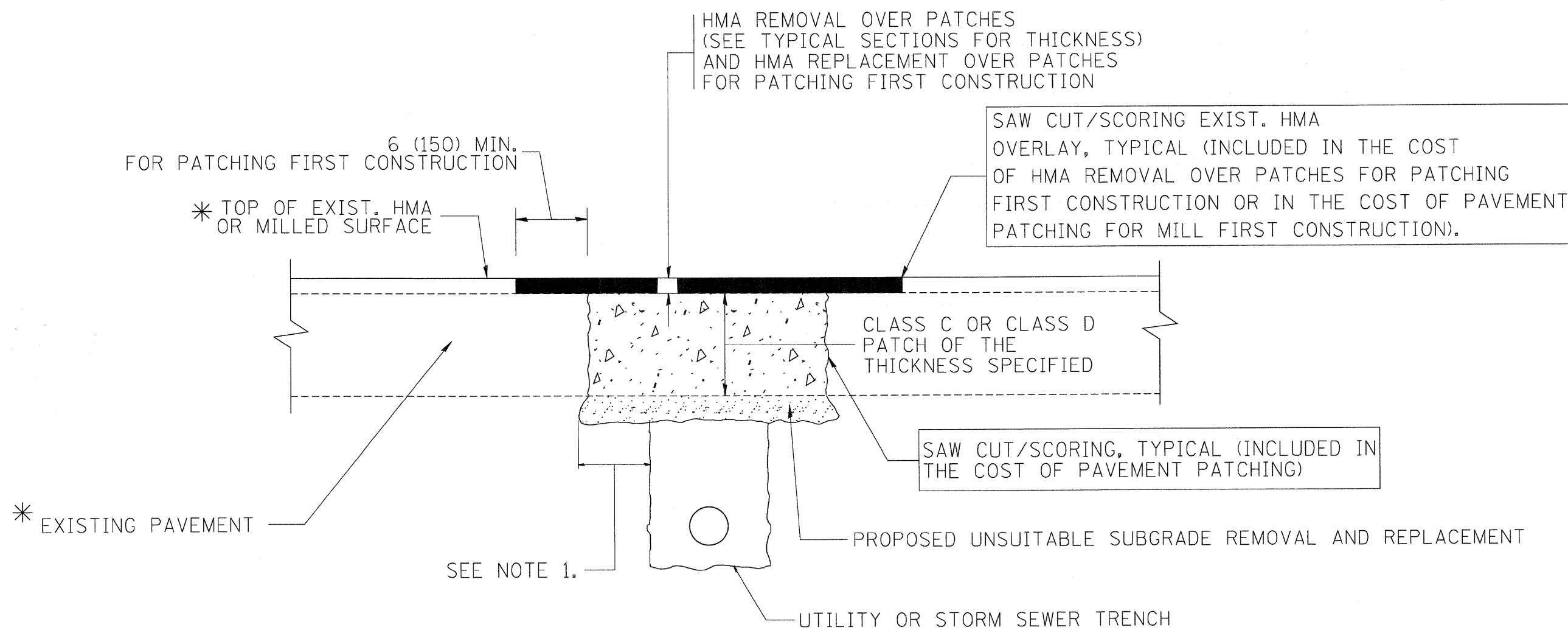
**BASIS OF PAYMENT:** THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME = W:\diststd\22x34\bd08.dgn	USER NAME = gaglianobt	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>		F.A.P. RTE. 0336	SECTION 05-00308-00-WR	COUNTY MCHENRY	TOTAL SHEETS 606	SHEET NO. 427	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - R. WIJEDMAN 05-14-04		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	<b>BD600-03 (BD-8)</b> CONTRACT NO. 63398				
	PLOT DATE = 1/4/2008	DATE - 10-25-94	REVISED - R. BORO 01-01-07									
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT												



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

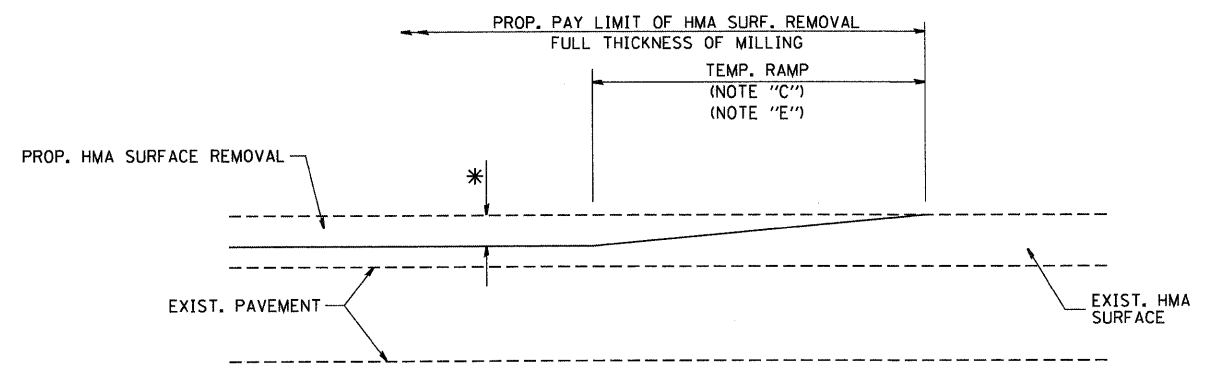
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

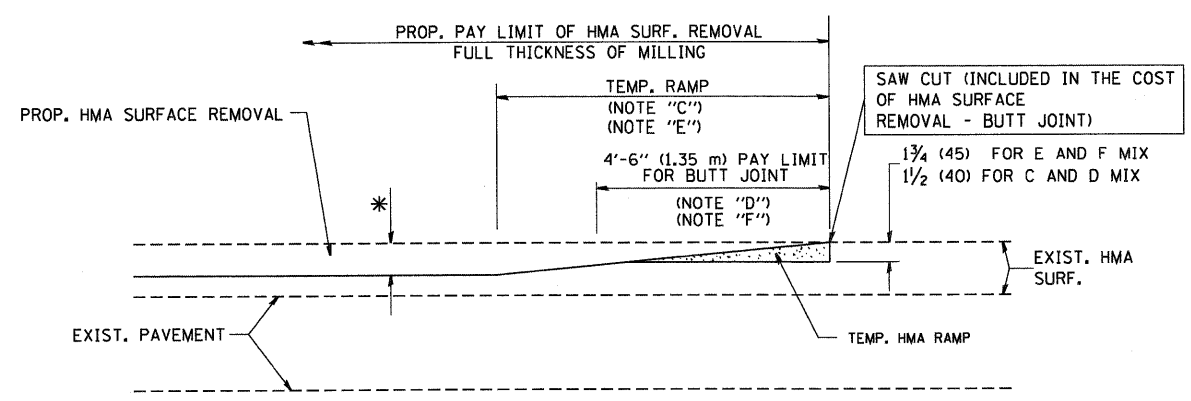
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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PLOT SCALE = 50.000' / IN.	CHECKED -	REVISOR - R. BORO 01-01-07	REVISED - R. BORO 09-04-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD400-04 (BD-22) CONTRACT NO. 63398				
PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISOR - K. ENG 10-27-08										
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT												



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

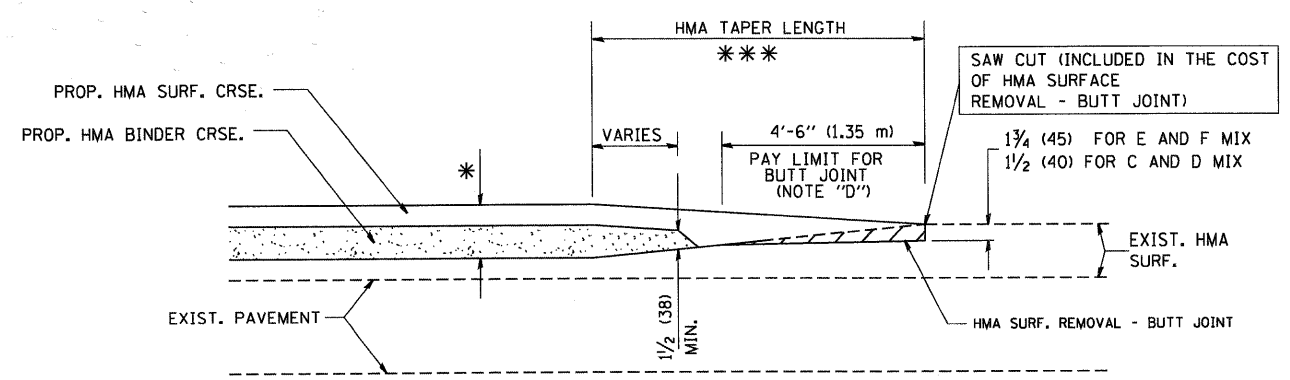
**OPTION 1**



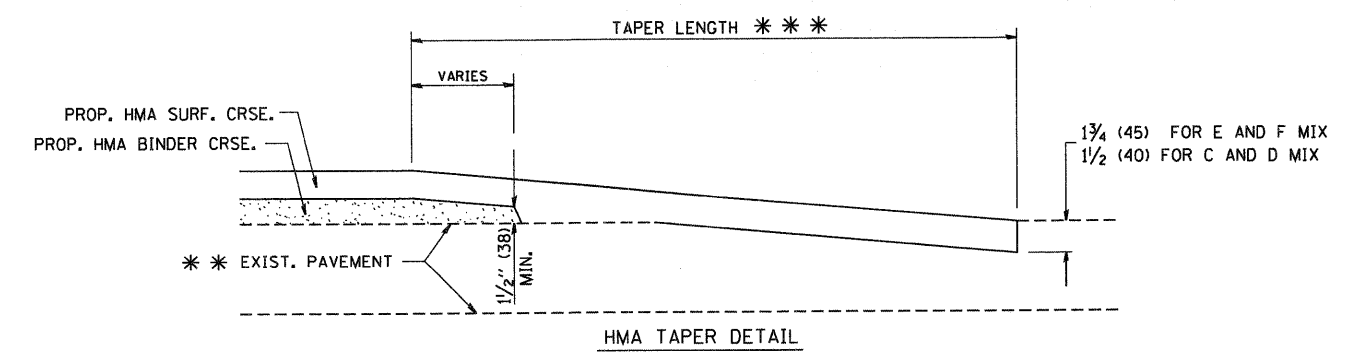
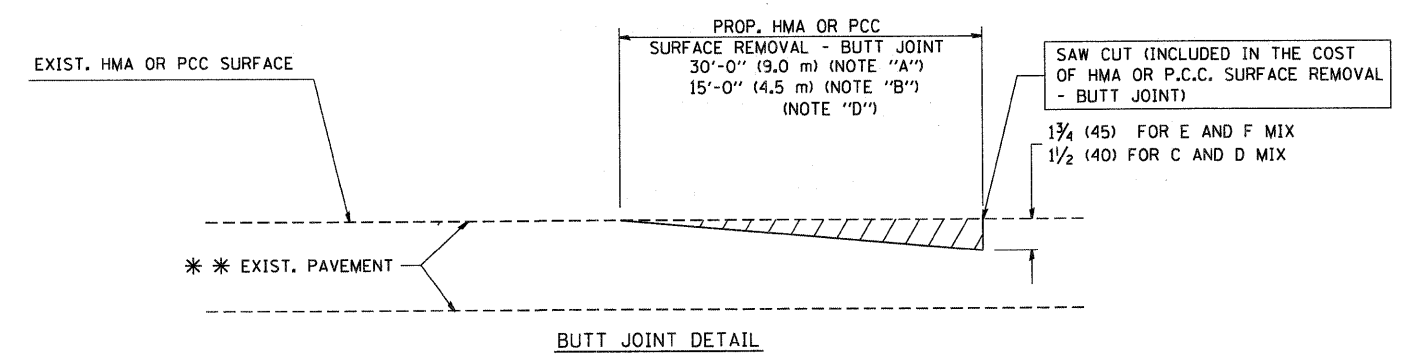
HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



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



**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".

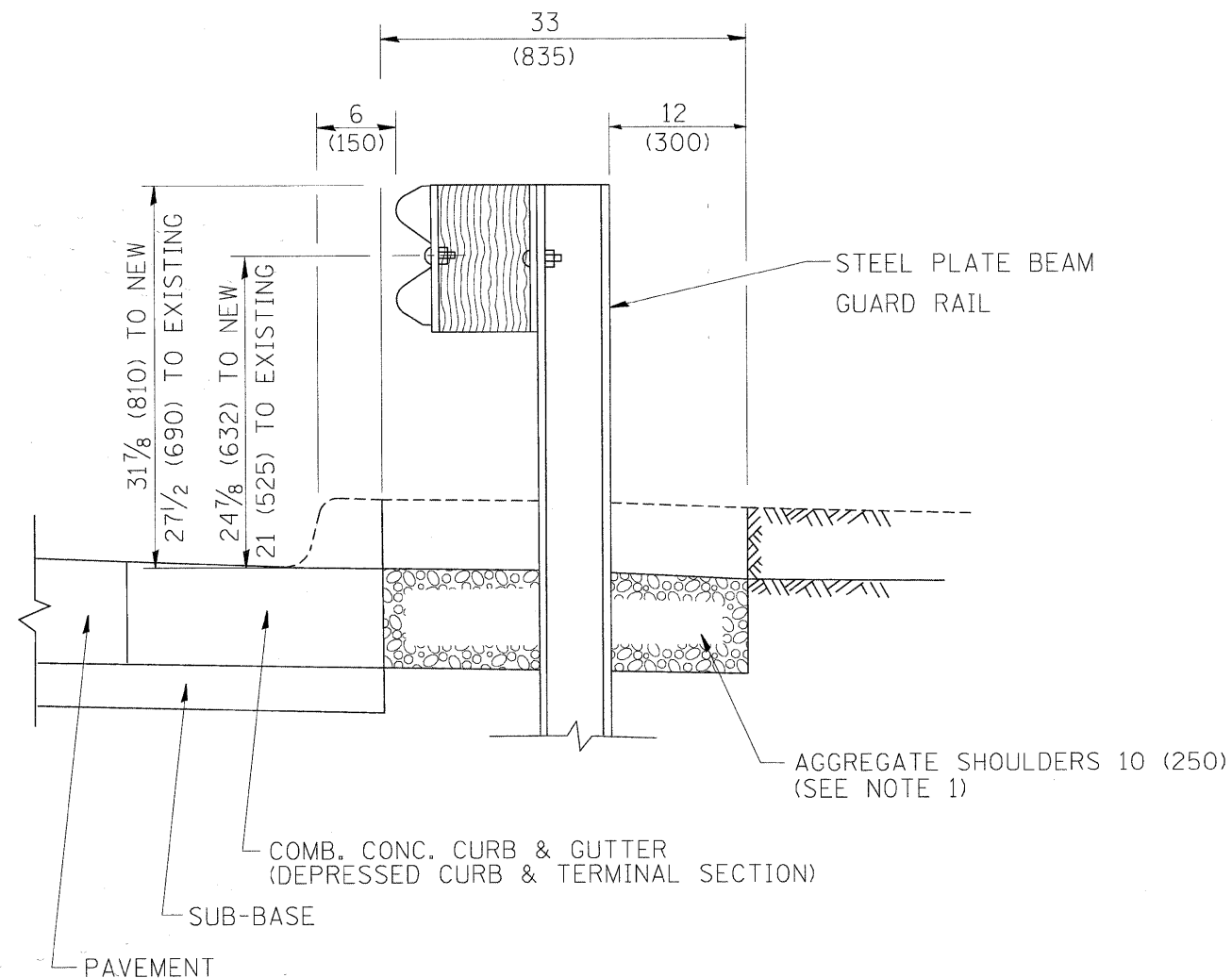
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

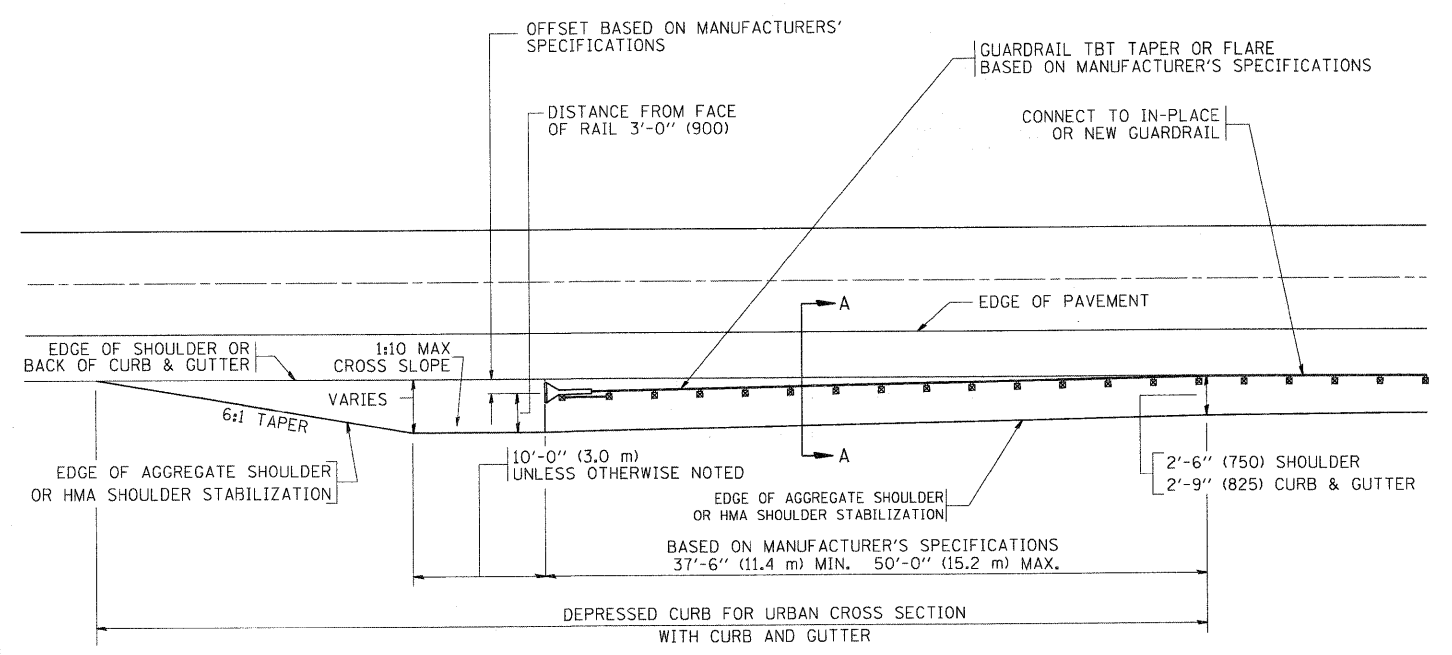
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0336	05-00308-00-WR	MCHENRY	606	429
<b>BD400-05 BD32</b>		CONTRACT NO. 63398		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10" OR HMA SHOULDER, 6" (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.**

BASIS OF PAYMENT: HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDERS 6" (150 mm)".

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

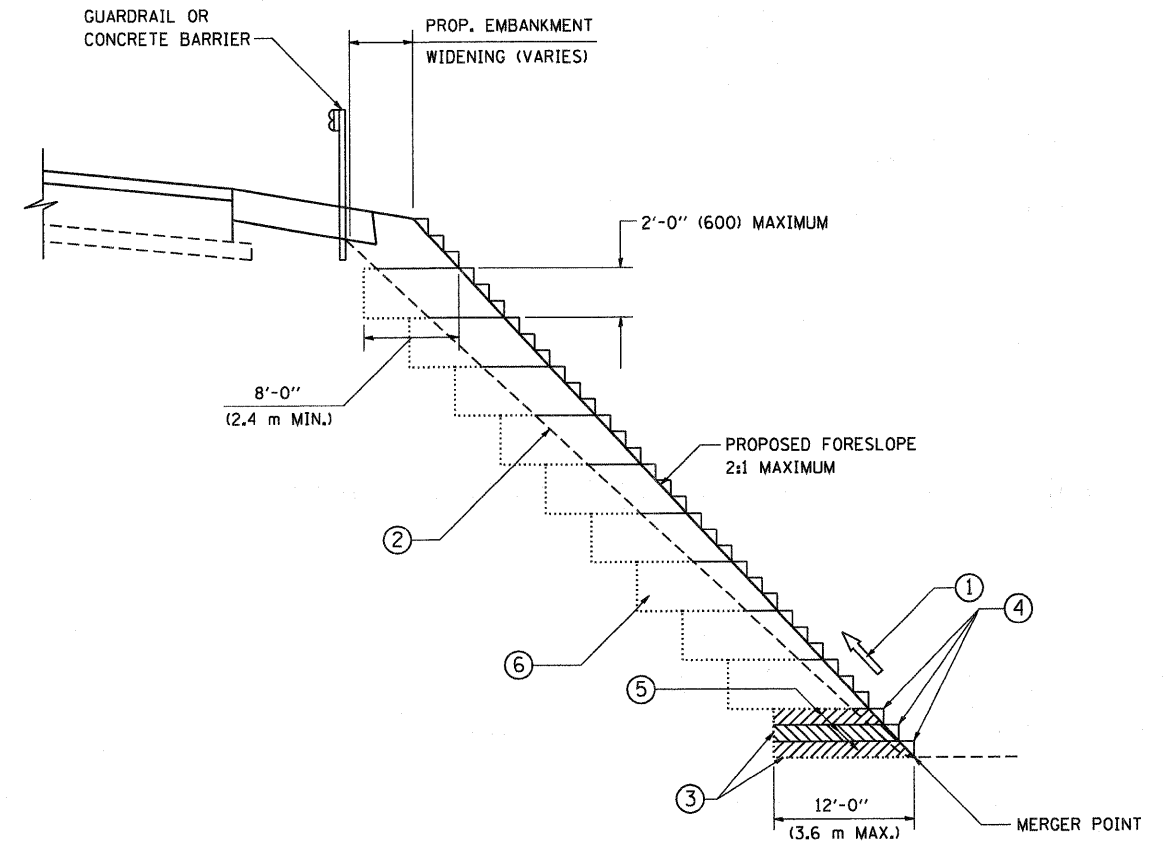
TBT = TRAFFIC BARRIER TERMINAL  
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = drivakosgn	DESIGNED - M. DE YONG	REVISED - E. GOMEZ 08-28-00
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	PLOT SCALE = 49.9999 1/1 IN.	CHECKED -	REVISED - R. BORO 12-08-2008
	PLOT DATE = 9/21/2009	DATE - 09-22-90	REVISED - R. BORO 09-14-2009

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS FOR DEPRESSED CURB &amp; GUTTER AND SHOULDER TREATMENT AT TBT TY 1 SPL.</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	430
<b>BD600-10 (BD 34)</b>			CONTRACT NO. 63398	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



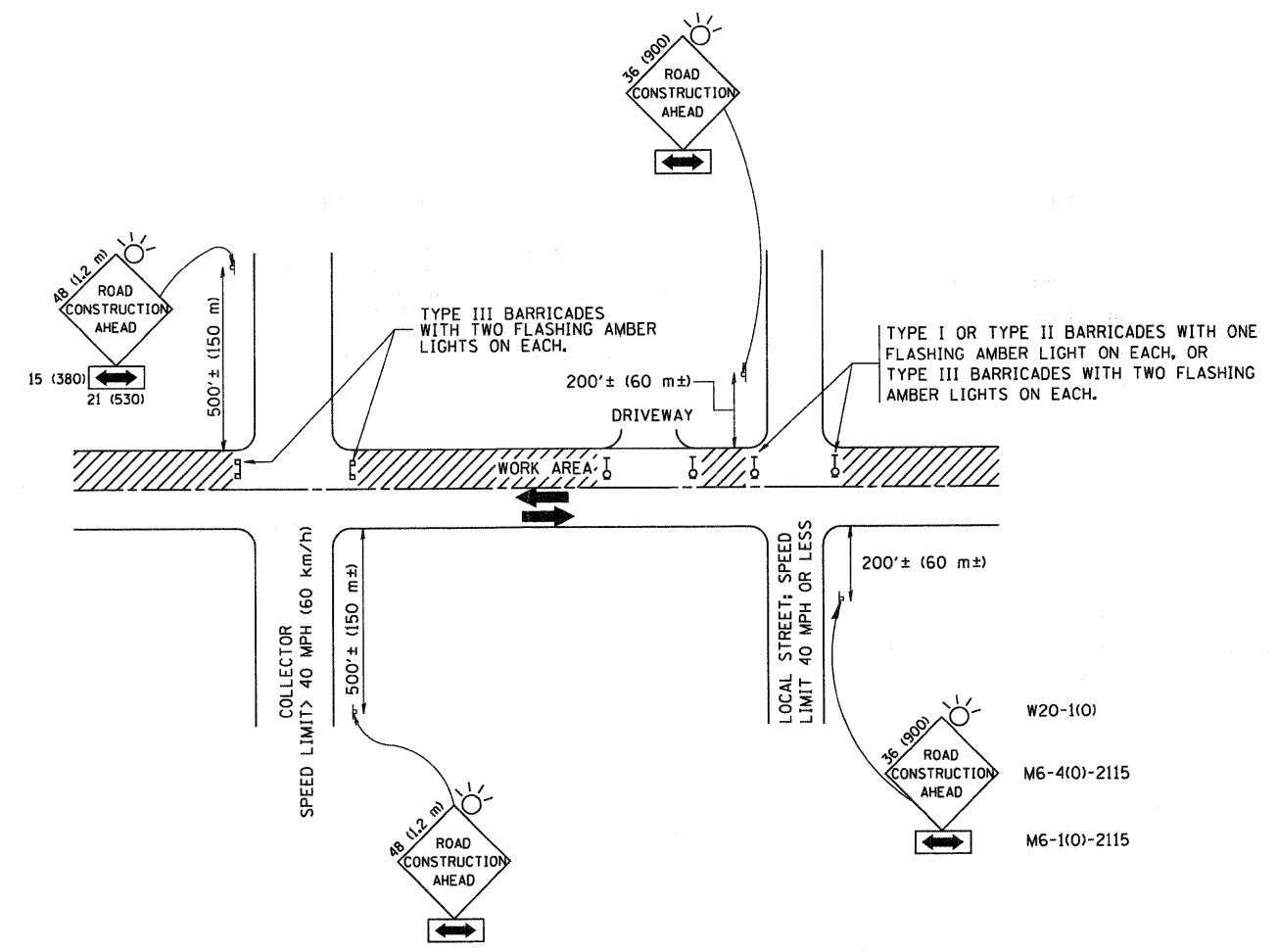
**TYPICAL BENCHING DETAIL  
FOR EMBANKMENT**

**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.

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	PLOT SCALE = 50.0000' / IN.	CHECKED - S.E.B.	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	<b>BD-51</b>			
	PLOT DATE = 1/4/2008	DATE - 06-16-04	REVISED -									
									CONTRACT NO. 63398			



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.

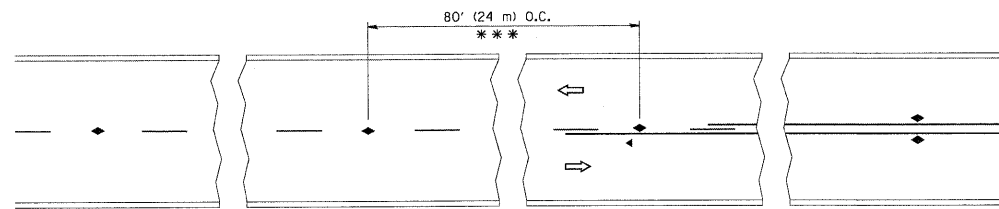
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W:\distatd\22x34\td10.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
		PLOT SCALE = 50.000 // IN.	REVISED - A. HOUSEH 10-15-96
		CHECKED -	REVISED - T. RAMMACHER 01-06-00
		PLOT DATE = 1/4/2008	DATE - 06-89

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

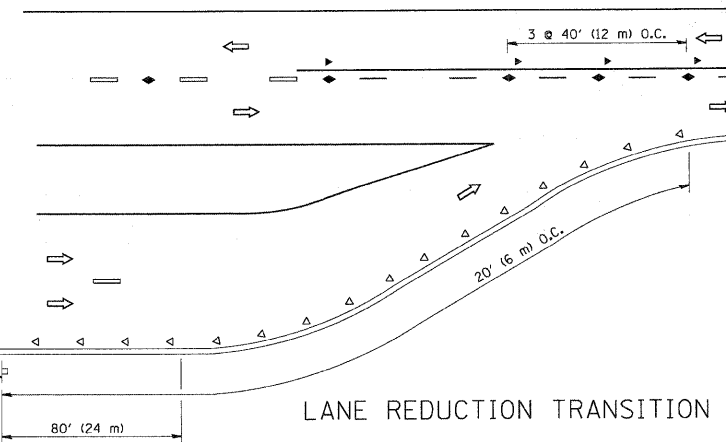
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	432
TC-10		CONTRACT NO. 63398		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

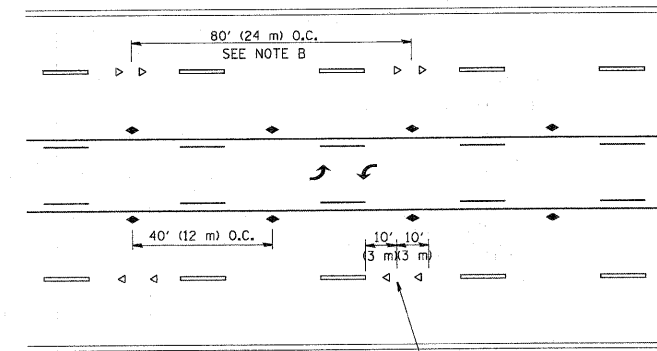


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

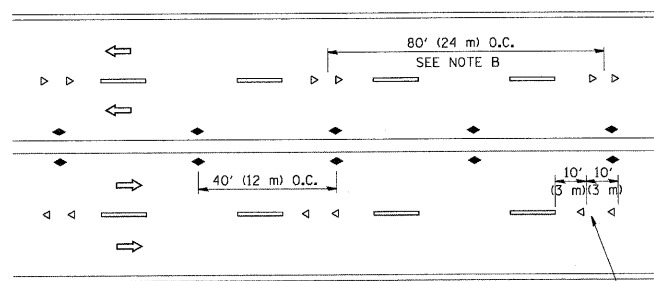
TWO-LANE/TWO-WAY



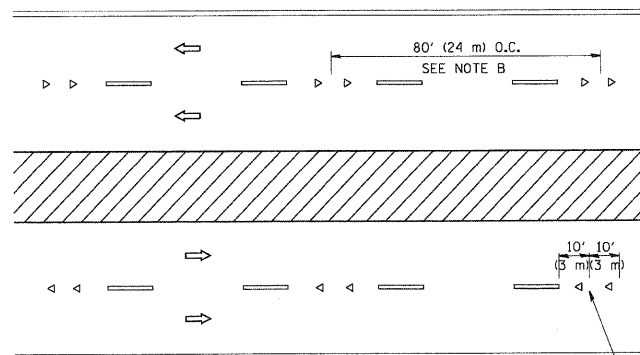
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

LANE MARKER NOTES

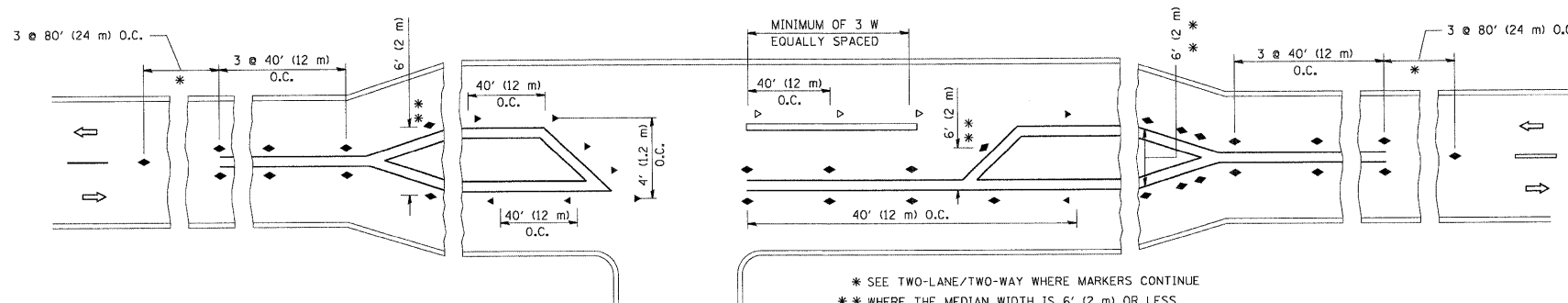
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

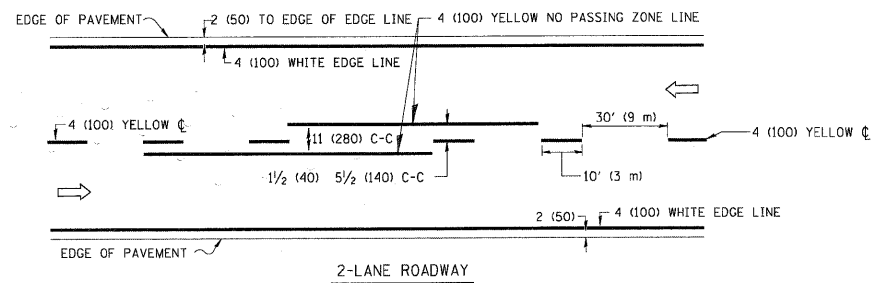
All dimensions are in inches (millimeters) unless otherwise shown.

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	PLOT DATE = 9/9/2009	DATE -	REVISED - C. JUCIUS 09-09-09

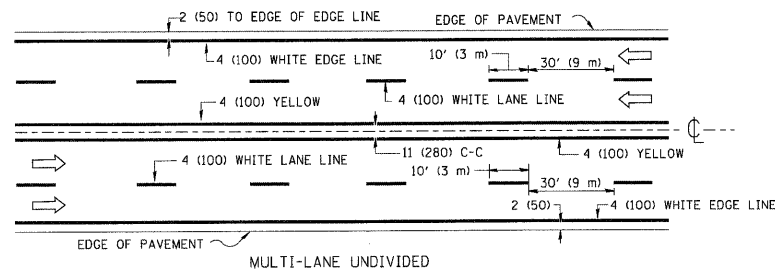
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
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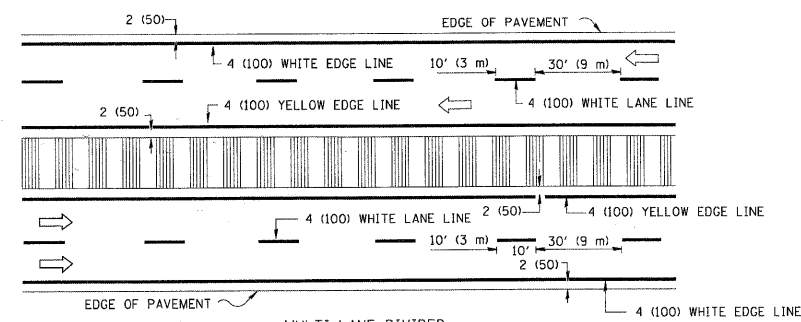
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TC-11		CONTRACT NO. 63398		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY



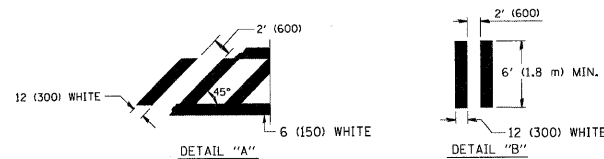
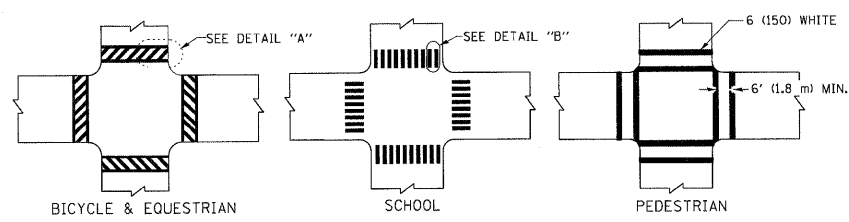
MULTI-LANE UNDIVIDED



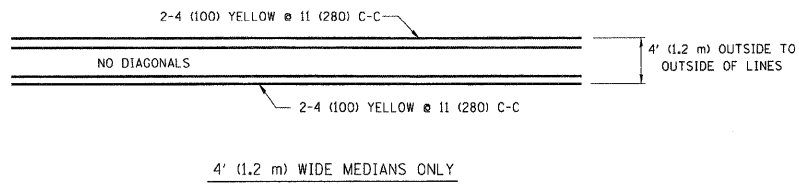
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

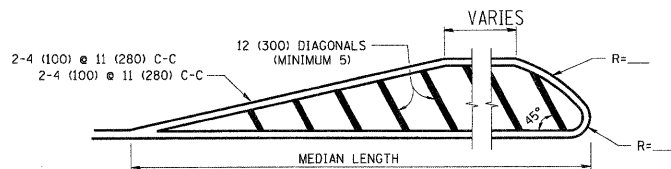
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

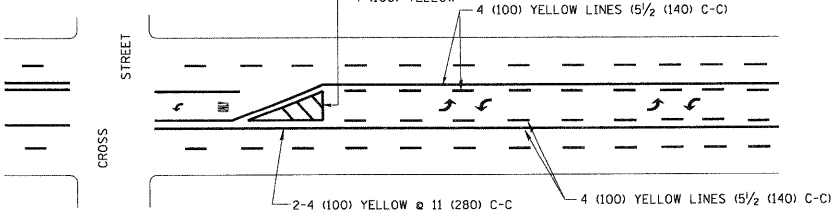


4' (1.2 m) WIDE MEDIANS ONLY

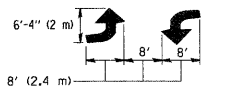


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.  
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

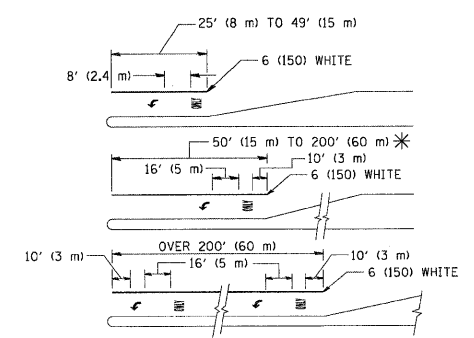


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

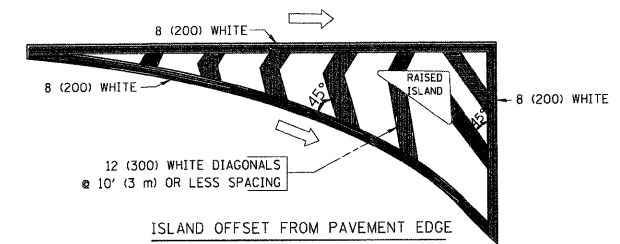


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

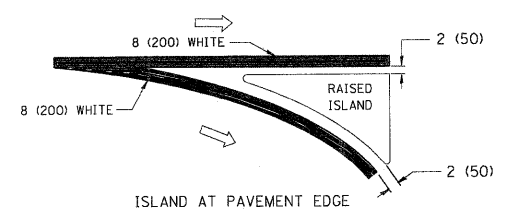
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

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 FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
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) LINES FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART 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° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (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" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 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.

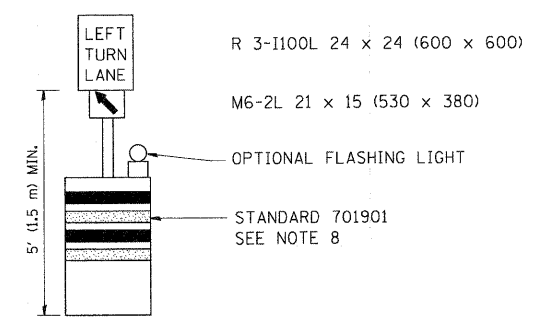
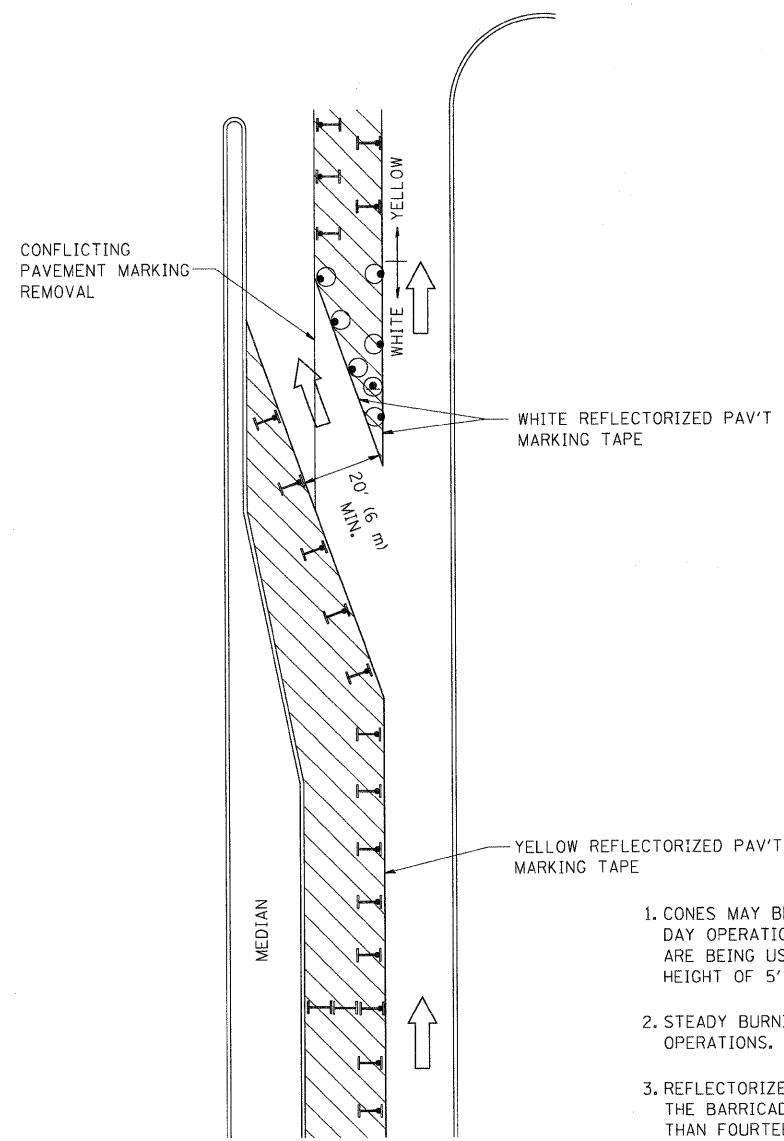
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	434
TC-13		CONTRACT NO.	63398	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



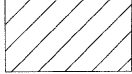
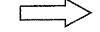






**GENERAL NOTES**

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 REQUIREMENTS.
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**

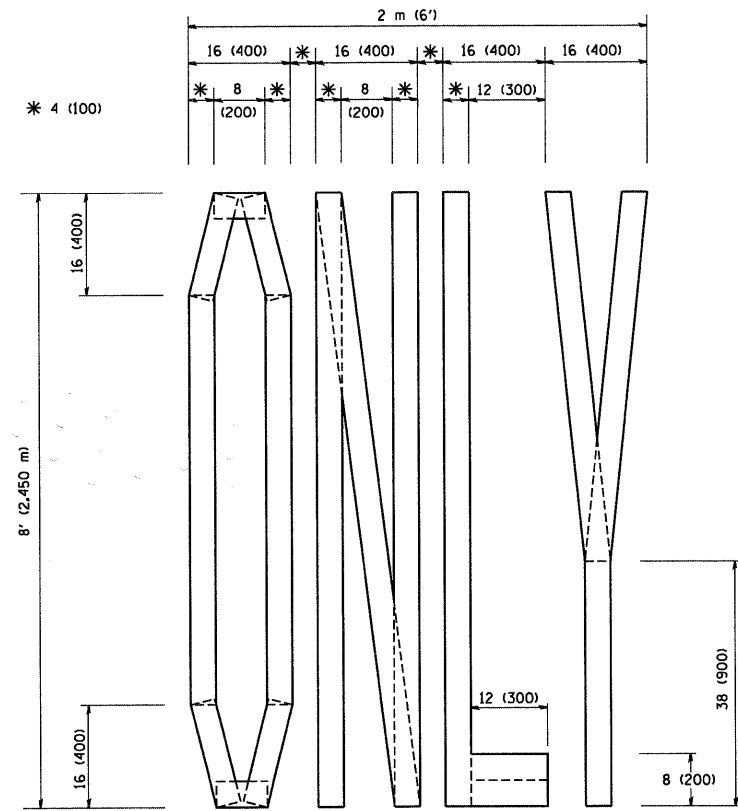
-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

FILE NAME =	USER NAME = drivakosgn	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
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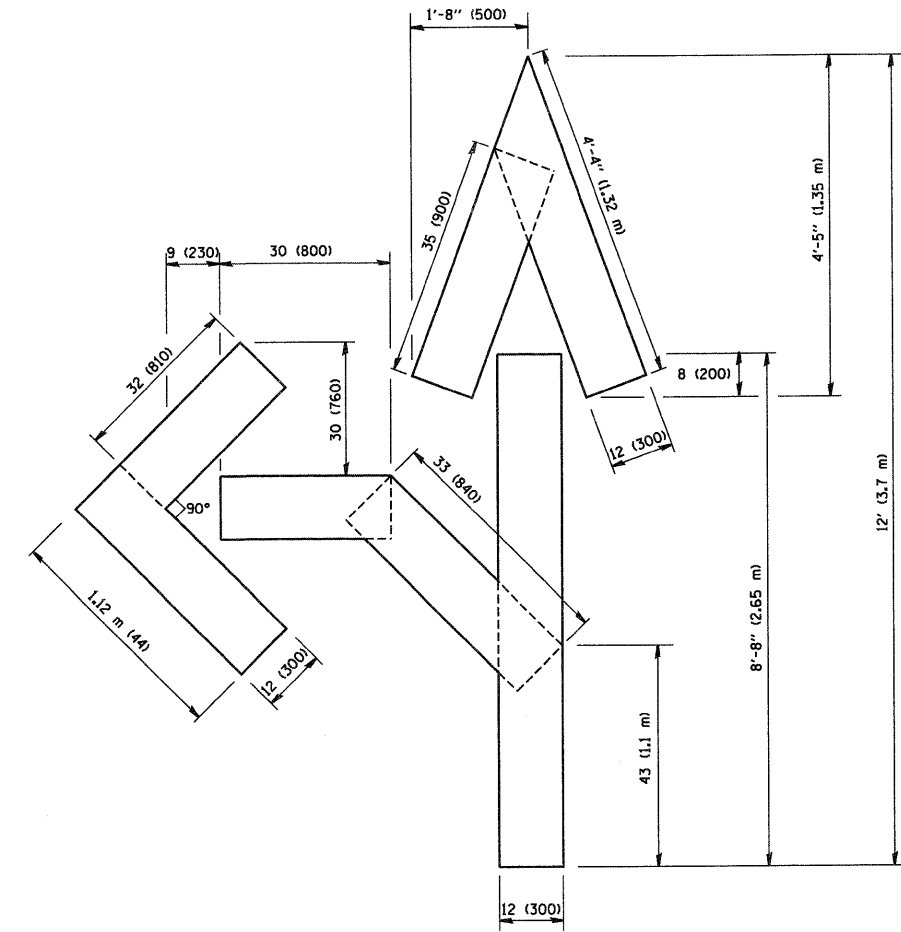
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

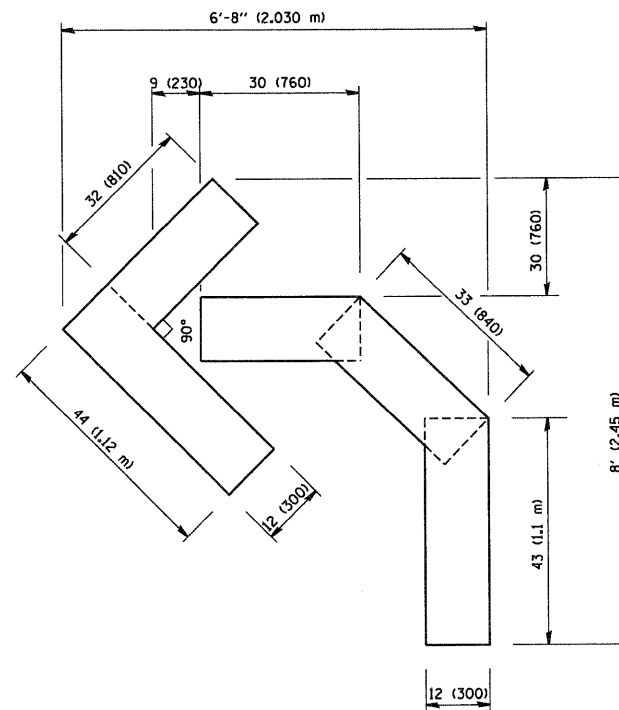
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TC-14		CONTRACT NO. 63398		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



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.

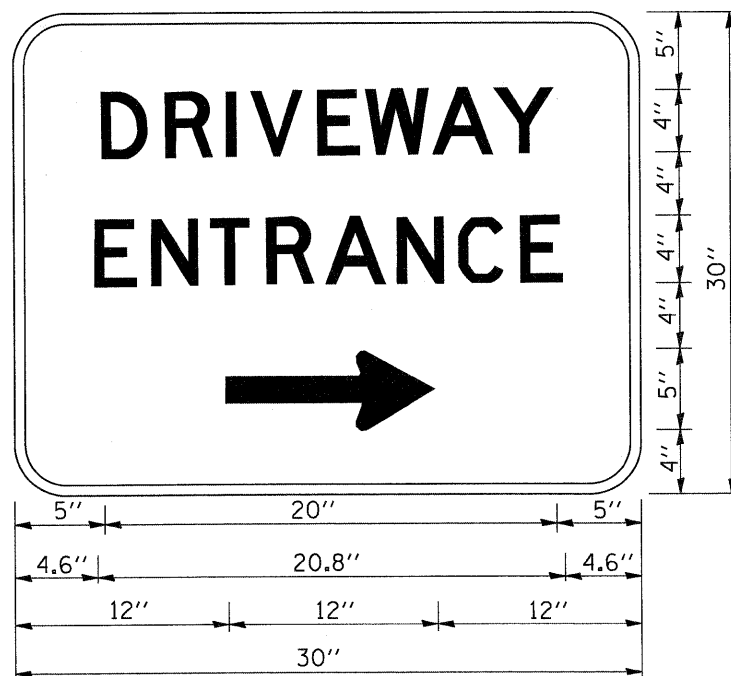
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS  
 FOR TRAFFIC STAGING

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

F.A.P. RTE. 0336	SECTION 05-00308-00-WR	COUNTY MCHENRY	TOTAL SHEETS 606	SHEET NO. 436
TC-16		CONTRACT NO. 63398		
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:**

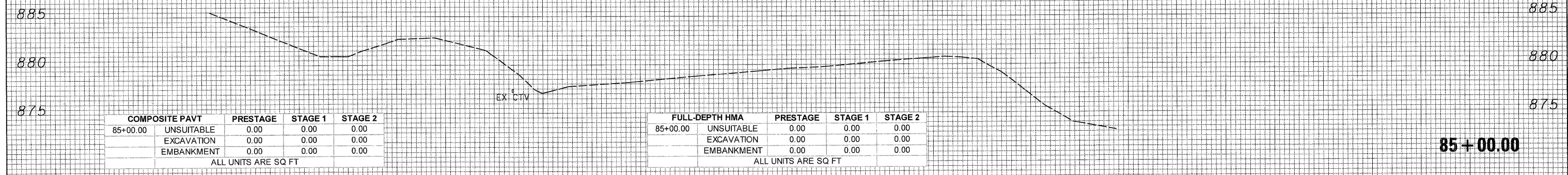
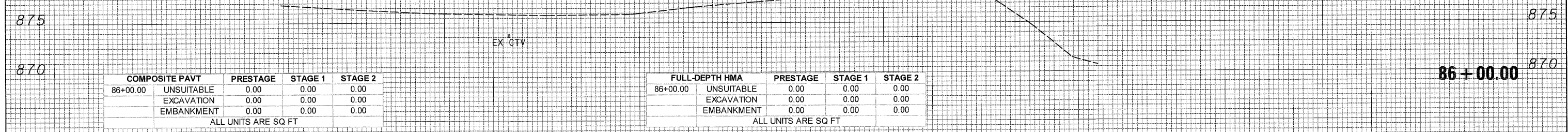
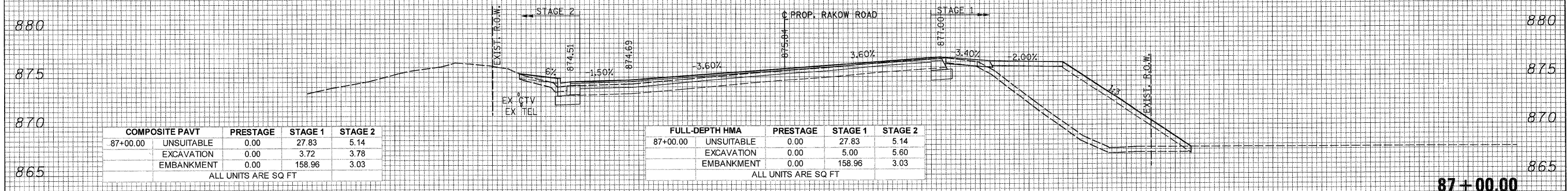
1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.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

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	DATE -	REVISED -		FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT								

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 BY \_\_\_\_\_  
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 AREAS CHECKED \_\_\_\_\_

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 DATE - 8/2/2010



MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 85+00.00 TO STA. 87+00.00

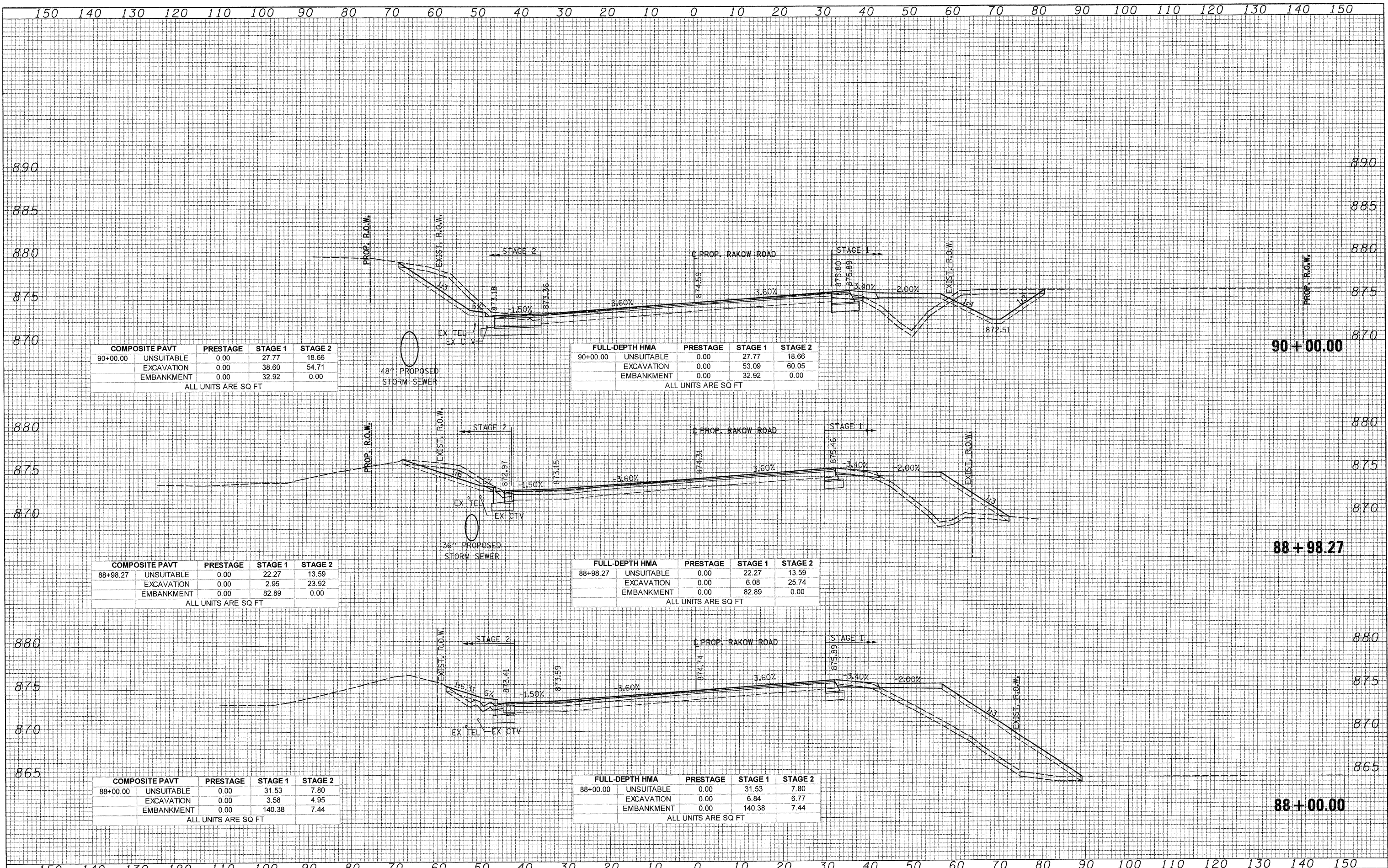
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 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
90+00.00 UNSUITABLE	0.00	27.77	18.66
EXCAVATION	0.00	38.60	54.71
EMBANKMENT	0.00	32.92	0.00
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
90+00.00 UNSUITABLE	0.00	27.77	18.66
EXCAVATION	0.00	53.09	60.05
EMBANKMENT	0.00	32.92	0.00
ALL UNITS ARE SQ FT			

COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
88+98.27 UNSUITABLE	0.00	22.27	13.59
EXCAVATION	0.00	2.95	23.92
EMBANKMENT	0.00	82.89	0.00
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
88+98.27 UNSUITABLE	0.00	22.27	13.59
EXCAVATION	0.00	6.08	25.74
EMBANKMENT	0.00	82.89	0.00
ALL UNITS ARE SQ FT			

COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
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EXCAVATION	0.00	3.58	4.95
EMBANKMENT	0.00	140.38	7.44
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
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EXCAVATION	0.00	6.84	6.77
EMBANKMENT	0.00	140.38	7.44
ALL UNITS ARE SQ FT			



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 CHECKED - JAH  
 DATE - 8/2/2010

REVISED -  
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 REVISED -



MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

SCALE: 1H:2V SHEET NO. STA. 88+00.00 TO STA. 90+00.00

RAKOW ROAD  
 CROSS SECTIONS

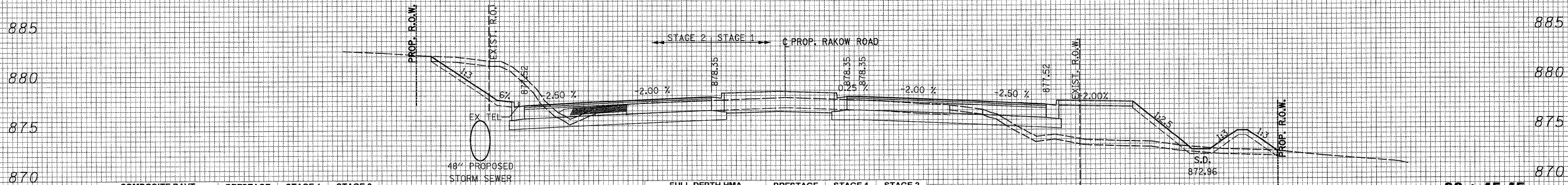
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ILLINOIS FED. AID PROJECT				

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 AREAS CHECKED: \_\_\_\_\_



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
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EMBANKMENT	5.77	106.64	0.22

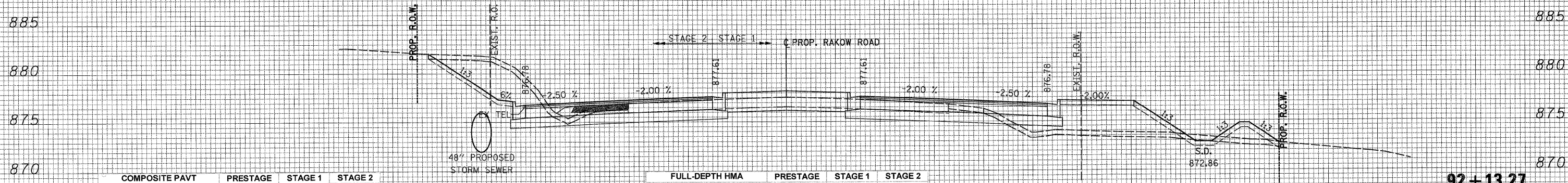
ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
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EXCAVATION	0.00	45.21	101.68
EMBANKMENT	5.77	102.05	0.00

ALL UNITS ARE SQ FT

92 + 45.45

DATE: \_\_\_\_\_  
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 AREAS CHECKED: \_\_\_\_\_



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
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EMBANKMENT	6.80	87.71	0.26

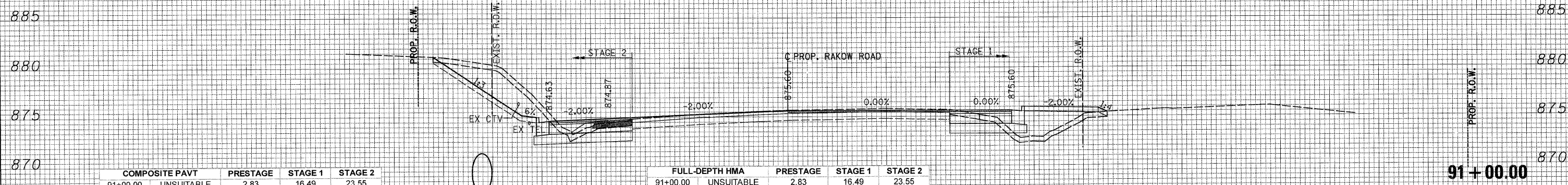
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FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
92+13.27 UNSUITABLE	3.70	34.27	23.12
EXCAVATION	0.00	45.77	103.85
EMBANKMENT	6.80	83.08	0.00

ALL UNITS ARE SQ FT

92 + 13.27

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
91+00.00 UNSUITABLE	2.83	16.49	23.55
EXCAVATION	0.00	10.87	69.15
EMBANKMENT	4.98	33.25	1.09

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
91+00.00 UNSUITABLE	2.83	16.49	23.55
EXCAVATION	0.00	15.32	76.77
EMBANKMENT	4.98	31.68	1.09

ALL UNITS ARE SQ FT

91 + 00.00

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 91+00.00 TO STA. 92+45.45

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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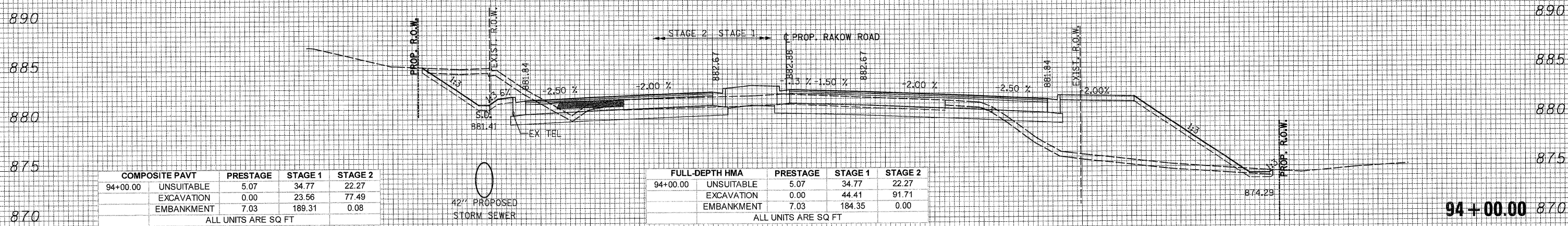
CONTRACT NO. 63398  
 ILLINOIS FED. AID PROJECT

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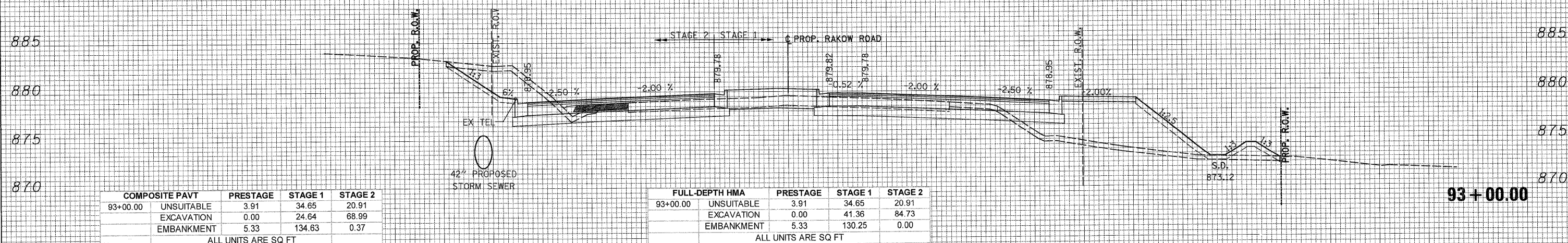
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COMPOSITE PAVT		PRESTAGE	STAGE 1	STAGE 2
94+00.00	UNSUITABLE	5.07	34.77	22.27
	EXCAVATION	0.00	23.56	77.49
	EMBANKMENT	7.03	189.31	0.08
ALL UNITS ARE SQ FT				

FULL-DEPTH HMA		PRESTAGE	STAGE 1	STAGE 2
94+00.00	UNSUITABLE	5.07	34.77	22.27
	EXCAVATION	0.00	44.41	91.71
	EMBANKMENT	7.03	184.35	0.00
ALL UNITS ARE SQ FT				

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COMPOSITE PAVT		PRESTAGE	STAGE 1	STAGE 2
93+00.00	UNSUITABLE	3.91	34.65	20.91
	EXCAVATION	0.00	24.64	68.99
	EMBANKMENT	5.33	134.63	0.37
ALL UNITS ARE SQ FT				

FULL-DEPTH HMA		PRESTAGE	STAGE 1	STAGE 2
93+00.00	UNSUITABLE	3.91	34.65	20.91
	EXCAVATION	0.00	41.36	84.73
	EMBANKMENT	5.33	130.25	0.00
ALL UNITS ARE SQ FT				

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 93+00.00 TO STA. 94+00.00

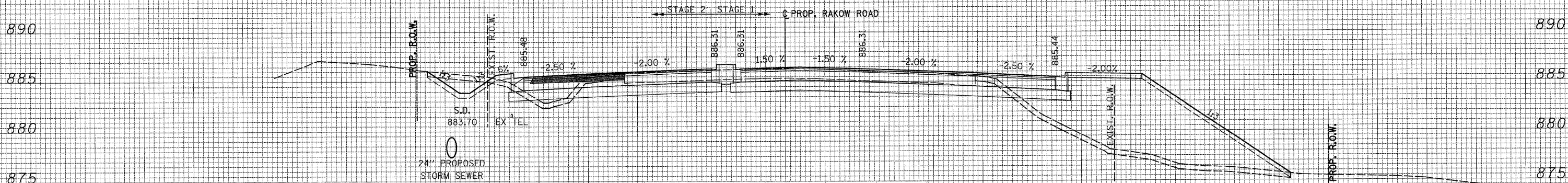
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ILLINOIS FED. AID PROJECT				

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
95+25.27 UNSUITABLE	9.60	34.53	21.67
EXCAVATION	0.00	46.02	40.53
EMBANKMENT	28.01	259.42	11.41

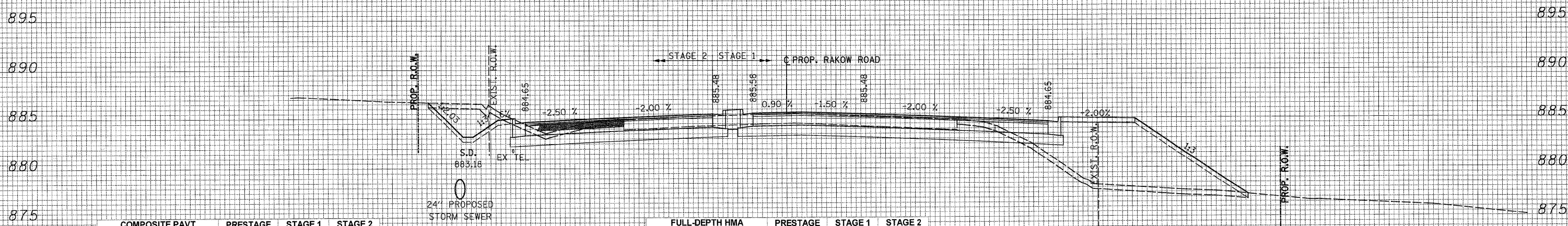
ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
95+25.27 UNSUITABLE	9.60	34.53	21.67
EXCAVATION	0.00	69.24	52.70
EMBANKMENT	28.01	254.75	7.50

ALL UNITS ARE SQ FT

95 + 25.27

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
94+96.87 UNSUITABLE	4.63	31.22	21.30
EXCAVATION	0.00	44.91	65.33
EMBANKMENT	5.90	185.07	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
94+96.87 UNSUITABLE	4.63	31.22	21.30
EXCAVATION	0.00	68.46	81.40
EMBANKMENT	5.90	181.51	0.00

ALL UNITS ARE SQ FT

94 + 96.87

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 94+96.87 TO STA. 95+25.27

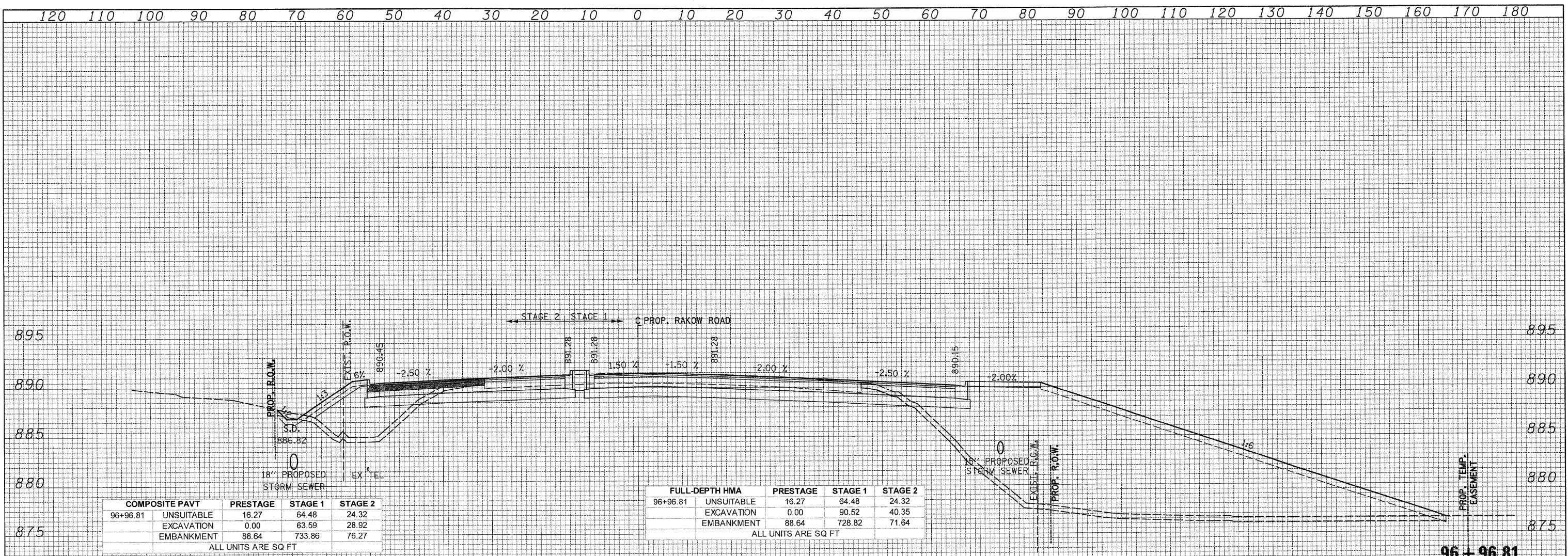
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63398			ILLINOIS FED. AID PROJECT	

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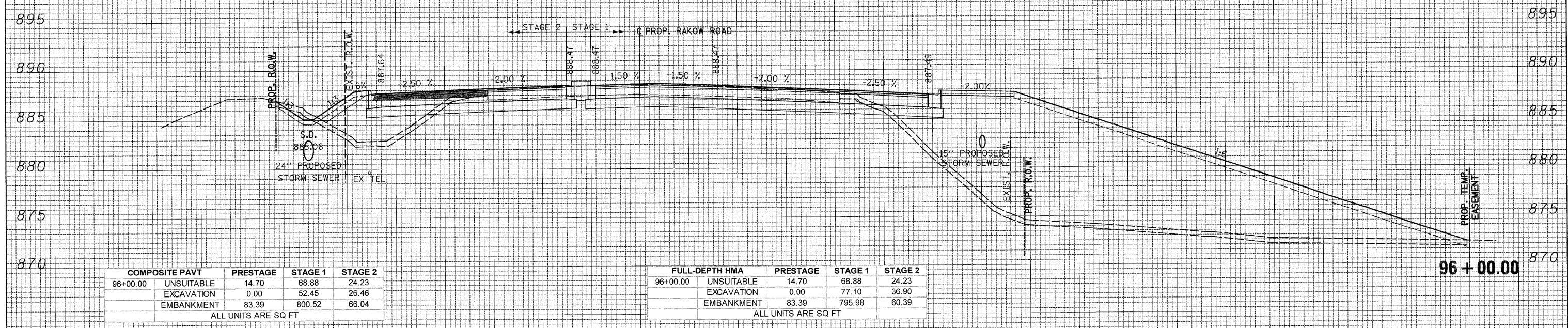


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96+96.81 UNSUITABLE	16.27	64.48	24.32
EXCAVATION	0.00	63.59	28.92
EMBANKMENT	88.64	733.86	76.27

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
96+96.81 UNSUITABLE	16.27	64.48	24.32
EXCAVATION	0.00	90.52	40.35
EMBANKMENT	88.64	728.82	71.64

ALL UNITS ARE SQ FT



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
96+00.00 UNSUITABLE	14.70	68.88	24.23
EXCAVATION	0.00	52.45	26.46
EMBANKMENT	83.39	800.52	66.04

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
96+00.00 UNSUITABLE	14.70	68.88	24.23
EXCAVATION	0.00	77.10	36.90
EMBANKMENT	83.39	795.98	60.39

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS  
 SCALE: 1H:2V  
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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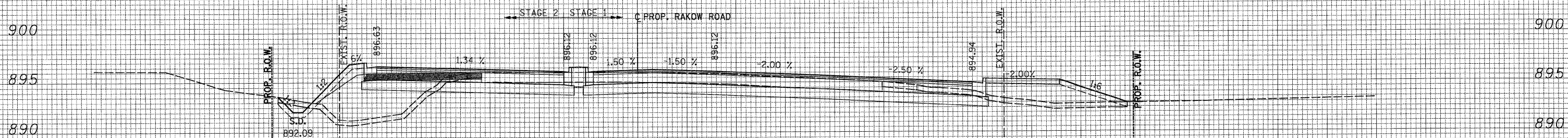
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
98+95.00 UNSUITABLE	15.63	25.06	22.84
EXCAVATION	0.00	93.53	24.72
EMBANKMENT	84.73	46.54	77.56

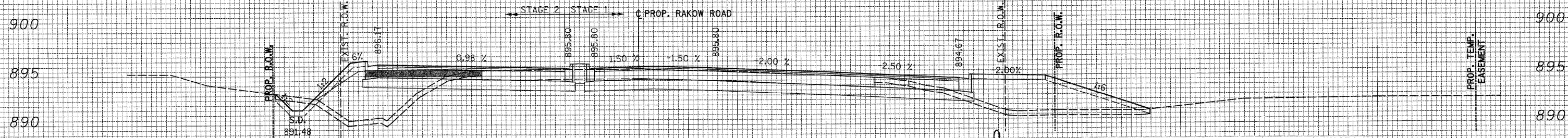
ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
98+95.00 UNSUITABLE	15.63	25.06	22.84
EXCAVATION	0.00	93.53	34.76
EMBANKMENT	84.73	46.83	71.54

ALL UNITS ARE SQ FT

98+95.00

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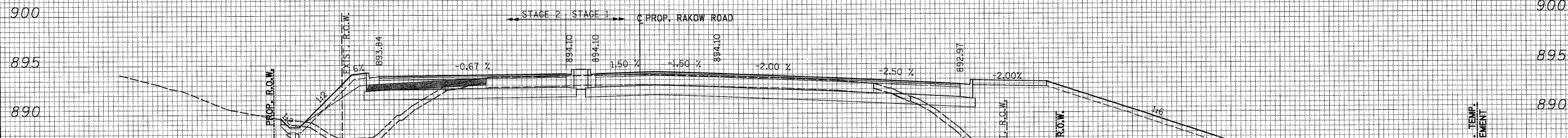
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98+78.05 UNSUITABLE	15.71	28.50	23.50
EXCAVATION	0.00	51.28	24.62
EMBANKMENT	89.94	90.05	78.69

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
98+78.05 UNSUITABLE	15.71	28.50	23.50
EXCAVATION	0.00	82.26	34.83
EMBANKMENT	89.94	89.06	72.83

ALL UNITS ARE SQ FT

98+78.05



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
98+00.00 UNSUITABLE	16.42	46.76	23.19
EXCAVATION	0.00	46.40	21.26
EMBANKMENT	94.50	404.65	86.69

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
98+00.00 UNSUITABLE	16.42	46.76	23.19
EXCAVATION	0.00	73.44	31.67
EMBANKMENT	94.50	399.70	81.05

ALL UNITS ARE SQ FT

98+00.00

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 98+00.00 TO STA. 98+95.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	444

CONTRACT NO. 63398 ILLINOIS FED. AID PROJECT

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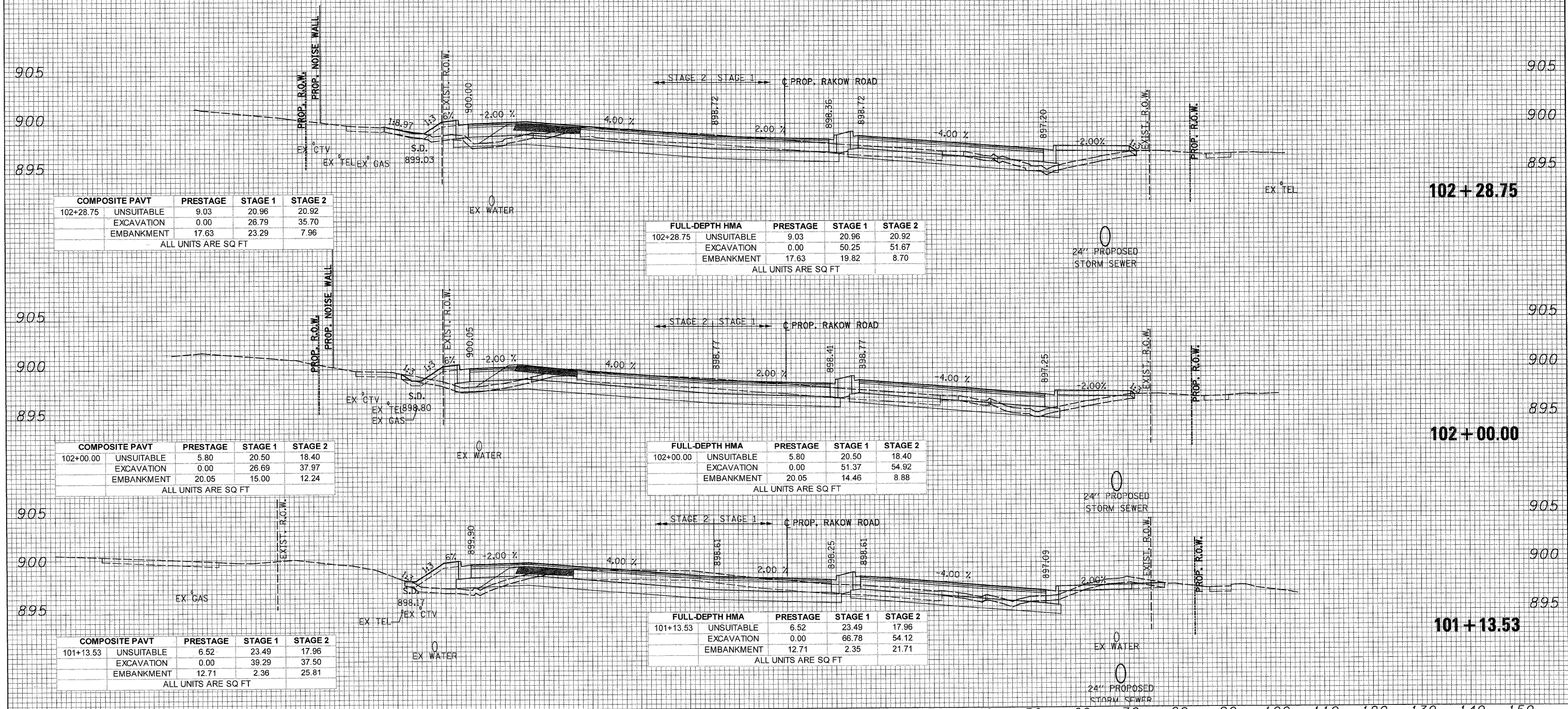


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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
102+28.75 UNSUITABLE	9.03	20.96	20.92
EXCAVATION	0.00	26.79	35.70
EMBANKMENT	17.63	23.29	7.96

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
102+28.75 UNSUITABLE	9.03	20.96	20.92
EXCAVATION	0.00	50.25	51.67
EMBANKMENT	17.63	19.82	8.70

ALL UNITS ARE SQ FT

COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
102+00.00 UNSUITABLE	5.80	20.50	18.40
EXCAVATION	0.00	26.69	37.97
EMBANKMENT	20.05	15.00	12.24

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
102+00.00 UNSUITABLE	5.80	20.50	18.40
EXCAVATION	0.00	51.37	54.92
EMBANKMENT	20.05	14.46	8.88

ALL UNITS ARE SQ FT

COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
101+13.53 UNSUITABLE	6.52	23.49	17.96
EXCAVATION	0.00	39.29	37.50
EMBANKMENT	12.71	2.36	25.81

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
101+13.53 UNSUITABLE	6.52	23.49	17.96
EXCAVATION	0.00	66.78	54.12
EMBANKMENT	12.71	2.35	21.71

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS  
 SCALE: 1H:2V SHEET NO. STA. 101+13.53 TO STA. 102+28.75

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63398  
 ILLINOIS FED. AID PROJECT

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
104+98.11 UNSUITABLE	15.44	21.99	10.03
EXCAVATION	0.00	18.78	35.06
EMBANKMENT	59.80	42.84	33.57
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
104+98.11 UNSUITABLE	15.44	21.99	10.03
EXCAVATION	0.00	44.28	47.57
EMBANKMENT	59.80	40.05	25.40
ALL UNITS ARE SQ FT			

COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
104+18.81 UNSUITABLE	12.22	22.15	23.68
EXCAVATION	0.00	15.11	37.11
EMBANKMENT	40.28	44.83	16.32
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
104+18.81 UNSUITABLE	12.22	22.15	23.68
EXCAVATION	0.00	35.55	48.82
EMBANKMENT	40.28	41.04	9.64
ALL UNITS ARE SQ FT			

COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
103+04.90 UNSUITABLE	7.68	21.84	18.99
EXCAVATION	0.00	23.89	40.11
EMBANKMENT	24.52	27.16	2.91
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
103+04.90 UNSUITABLE	7.68	21.84	18.99
EXCAVATION	0.00	47.40	58.61
EMBANKMENT	24.52	25.16	0.61
ALL UNITS ARE SQ FT			

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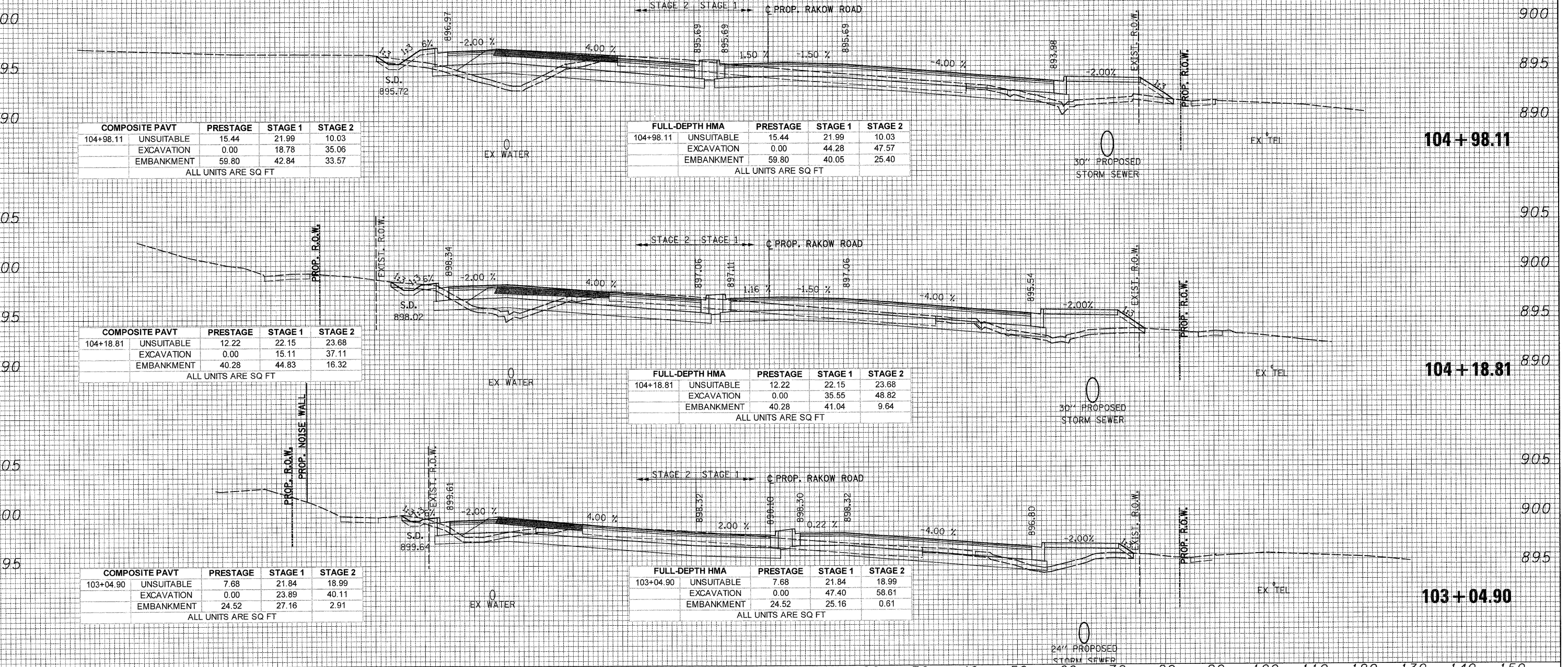
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**MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION**

**RAKOW ROAD  
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 SCALE: 1H:2V SHEET NO. STA. 103+04.90 TO STA. 104+98.11

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT				



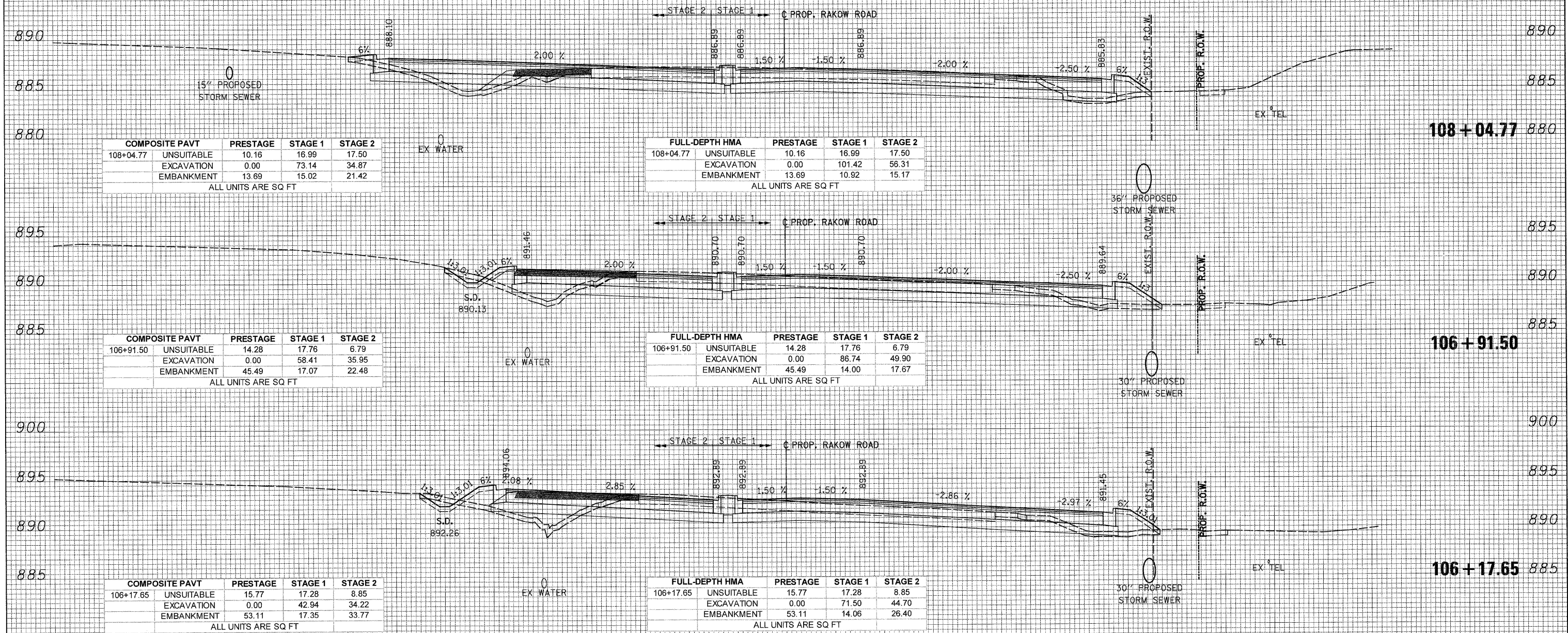
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
108+04.77 UNSUITABLE	10.16	16.99	17.50
EXCAVATION	0.00	73.14	34.87
EMBANKMENT	13.69	15.02	21.42
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
108+04.77 UNSUITABLE	10.16	16.99	17.50
EXCAVATION	0.00	101.42	56.31
EMBANKMENT	13.69	10.92	15.17
ALL UNITS ARE SQ FT			

COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
106+91.50 UNSUITABLE	14.28	17.76	6.79
EXCAVATION	0.00	58.41	35.95
EMBANKMENT	45.49	17.07	22.48
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
106+91.50 UNSUITABLE	14.28	17.76	6.79
EXCAVATION	0.00	86.74	49.90
EMBANKMENT	45.49	14.00	17.67
ALL UNITS ARE SQ FT			

COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
106+17.65 UNSUITABLE	15.77	17.28	8.85
EXCAVATION	0.00	42.94	34.22
EMBANKMENT	53.11	17.35	33.77
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
106+17.65 UNSUITABLE	15.77	17.28	8.85
EXCAVATION	0.00	71.50	44.70
EMBANKMENT	53.11	14.06	26.40
ALL UNITS ARE SQ FT			

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



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 DRAWN - TCK  
 PLOT SCALE = 1:10  
 CHECKED - JAH  
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 DATE - 8/2/2010  
 REVISIONS -



MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS  
 SCALE: 1H:2V  
 SHEET NO. \_\_\_\_\_  
 STA. 106+17.65 TO STA. 108+04.77

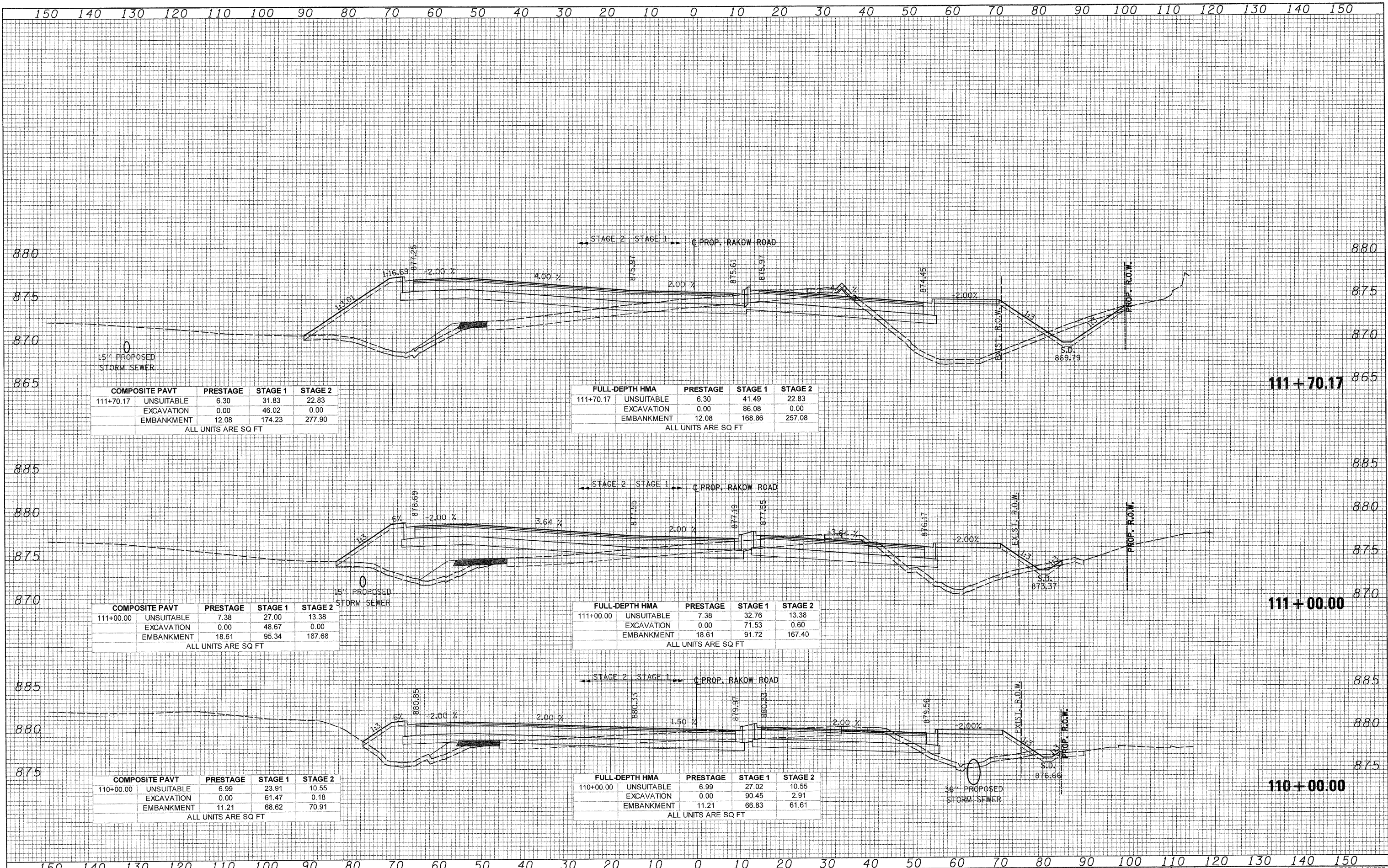
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00308-00-WR	MCHENRY	606	447
CONTRACT NO. 63398		ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY PLOTTING AREAS CHECKED  
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 NOTE BOOK NO.  
 BY DATE



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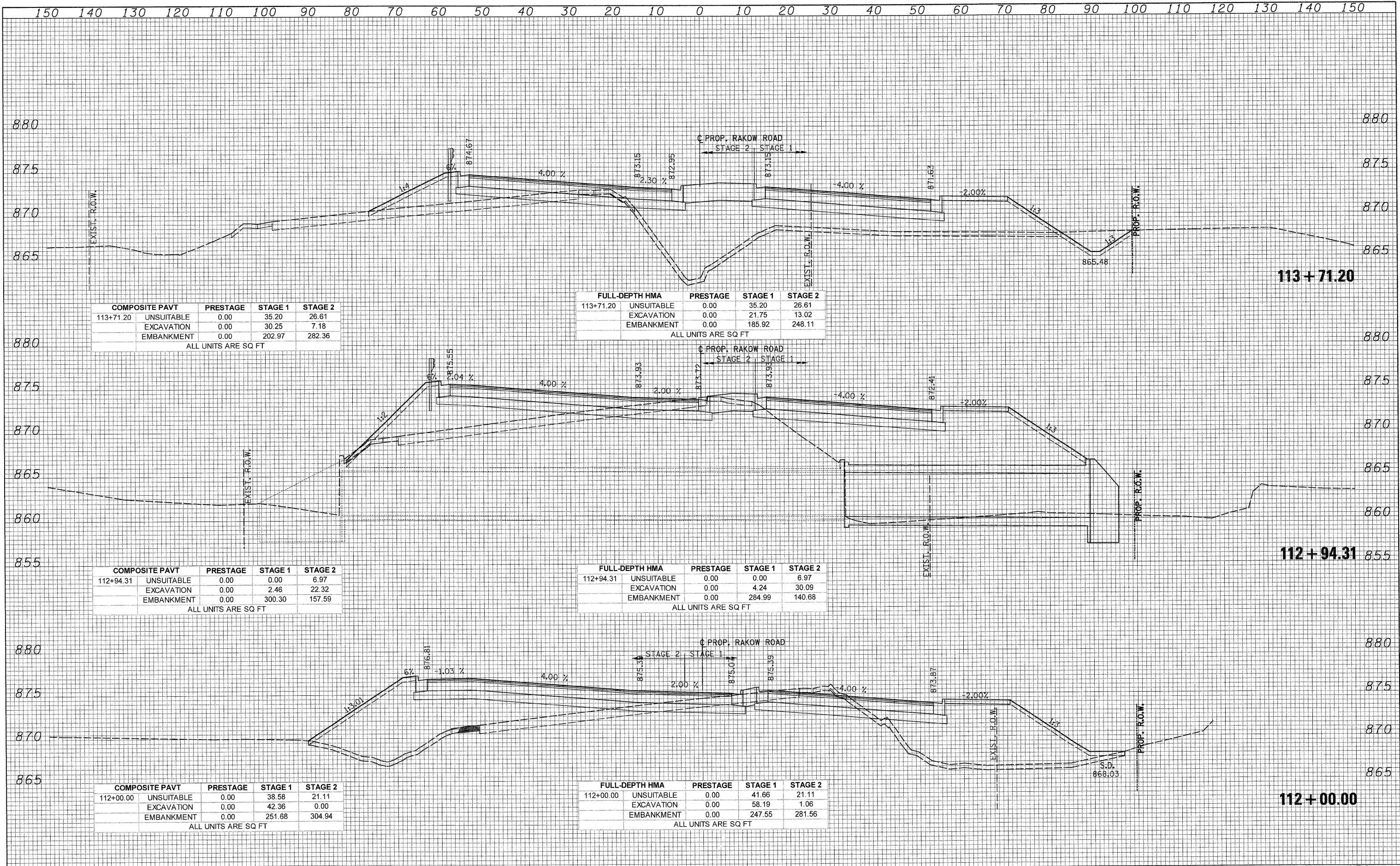
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PLOT DATE = 7/28/2010	DATE - 8/2/2010	REVISED -									

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 SURVEYED PLOTTED \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

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



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DESIGNED - CPK  
 DRAWN - TCK  
 CHECKED - JAH  
 DATE - 8/2/2010

REVISED -  
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 REVISED -  
 REVISED -



MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

SCALE: 1H:2V SHEET NO. STA. 112+00.00 TO STA. 113+71.20

RAKOW ROAD  
 CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	449
CONTRACT NO. 63398			ILLINOIS FED. AID PROJECT	

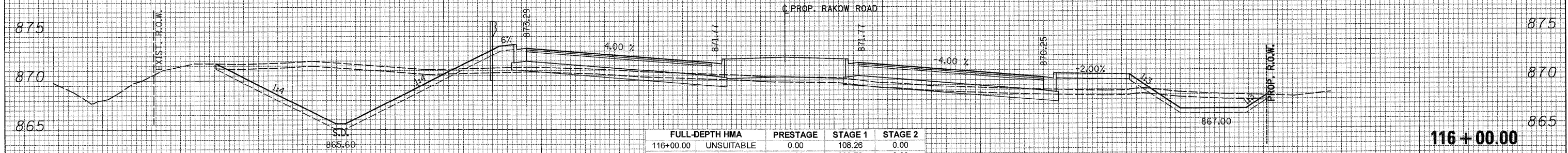
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 SURVEYED: \_\_\_\_\_  
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 NOTE BOOK: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_  
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 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_  
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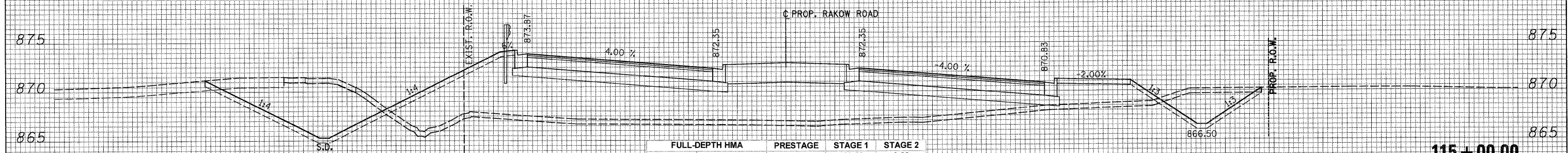
	FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
116+00.00	UNSUITABLE	0.00	108.26	0.00
	EXCAVATION	0.00	209.72	0.00
	EMBANKMENT	0.00	59.29	0.00

ALL UNITS ARE SQ FT

	COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
116+00.00	UNSUITABLE	0.00	108.26	0.00
	EXCAVATION	0.00	30.48	0.00
	EMBANKMENT	0.00	69.17	0.00

ALL UNITS ARE SQ FT

116 + 00.00



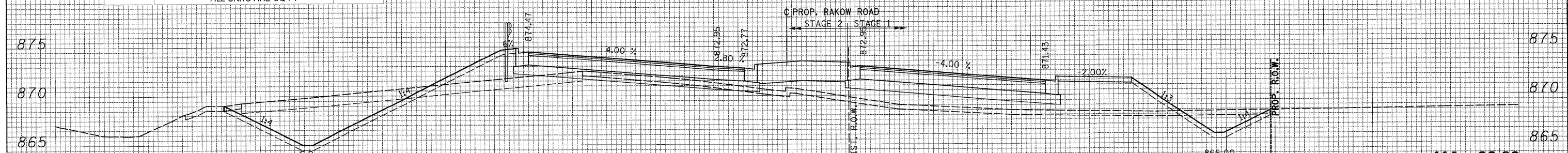
	FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
115+00.00	UNSUITABLE	0.00	102.50	0.00
	EXCAVATION	0.00	162.54	0.00
	EMBANKMENT	0.00	529.37	0.00

ALL UNITS ARE SQ FT

	COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
115+00.00	UNSUITABLE	0.00	102.50	0.00
	EXCAVATION	0.00	42.70	0.00
	EMBANKMENT	0.00	563.94	0.00

ALL UNITS ARE SQ FT

115 + 00.00



	FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
114+00.00	UNSUITABLE	0.00	43.96	27.37
	EXCAVATION	0.00	23.96	98.99
	EMBANKMENT	0.00	131.94	76.37

ALL UNITS ARE SQ FT

	COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
114+00.00	UNSUITABLE	0.00	43.96	27.37
	EXCAVATION	0.00	24.66	90.81
	EMBANKMENT	0.00	149.75	88.15

ALL UNITS ARE SQ FT

114 + 00.00

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 DESIGNED - CPK  
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 DATE - 8/2/2010  
 REVISIONS:



MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 114+00.00 TO STA. 116+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	450
CONTRACT NO. 63398			ILLINOIS FED. AID PROJECT	

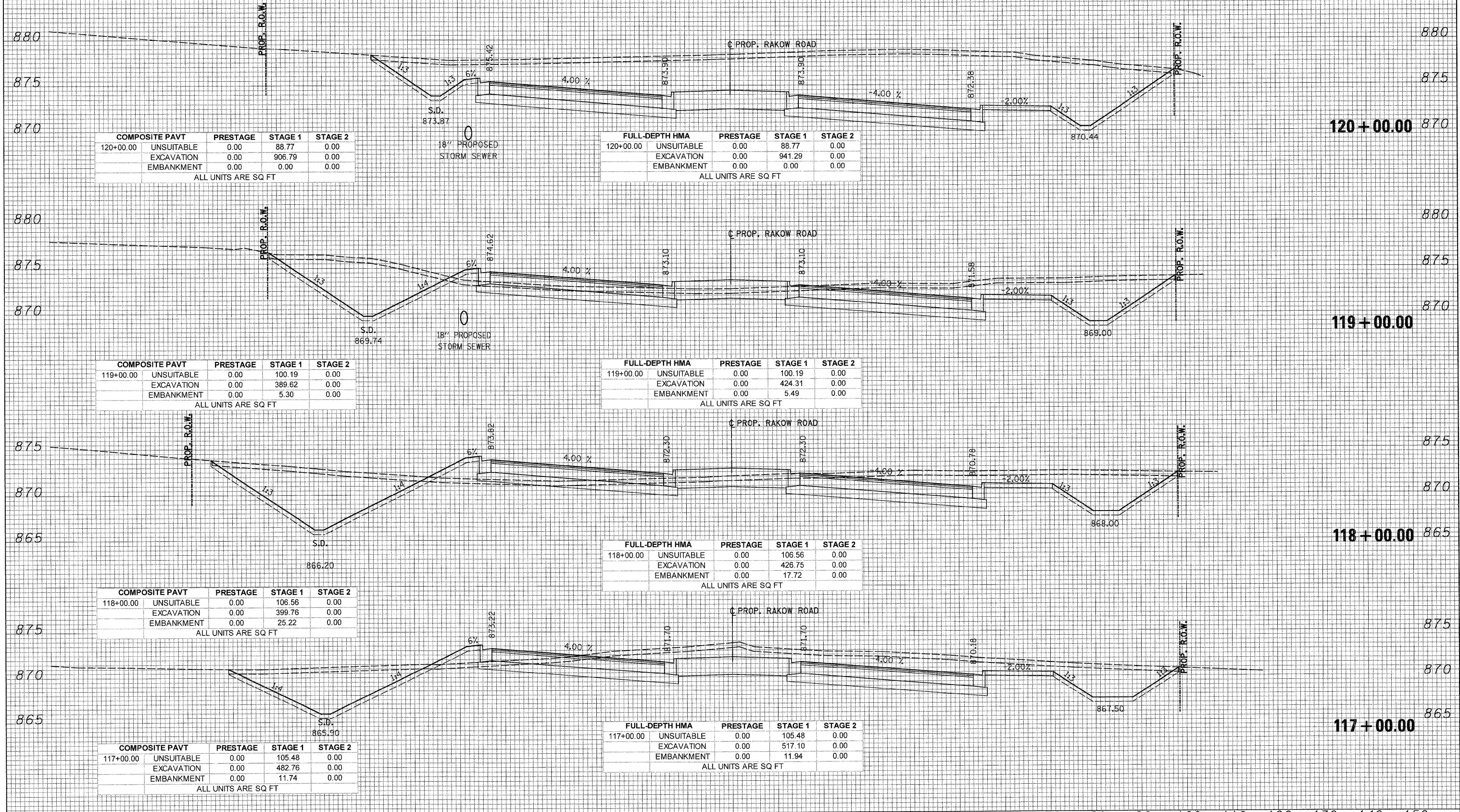
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 BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
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 AREAS CHECKED \_\_\_\_\_



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 DATE = 8/2/2010



MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

SCALE: 1H:2V SHEET NO. STA. 117+00.00 TO STA. 120+00.00

RAKOW ROAD  
 CROSS SECTIONS

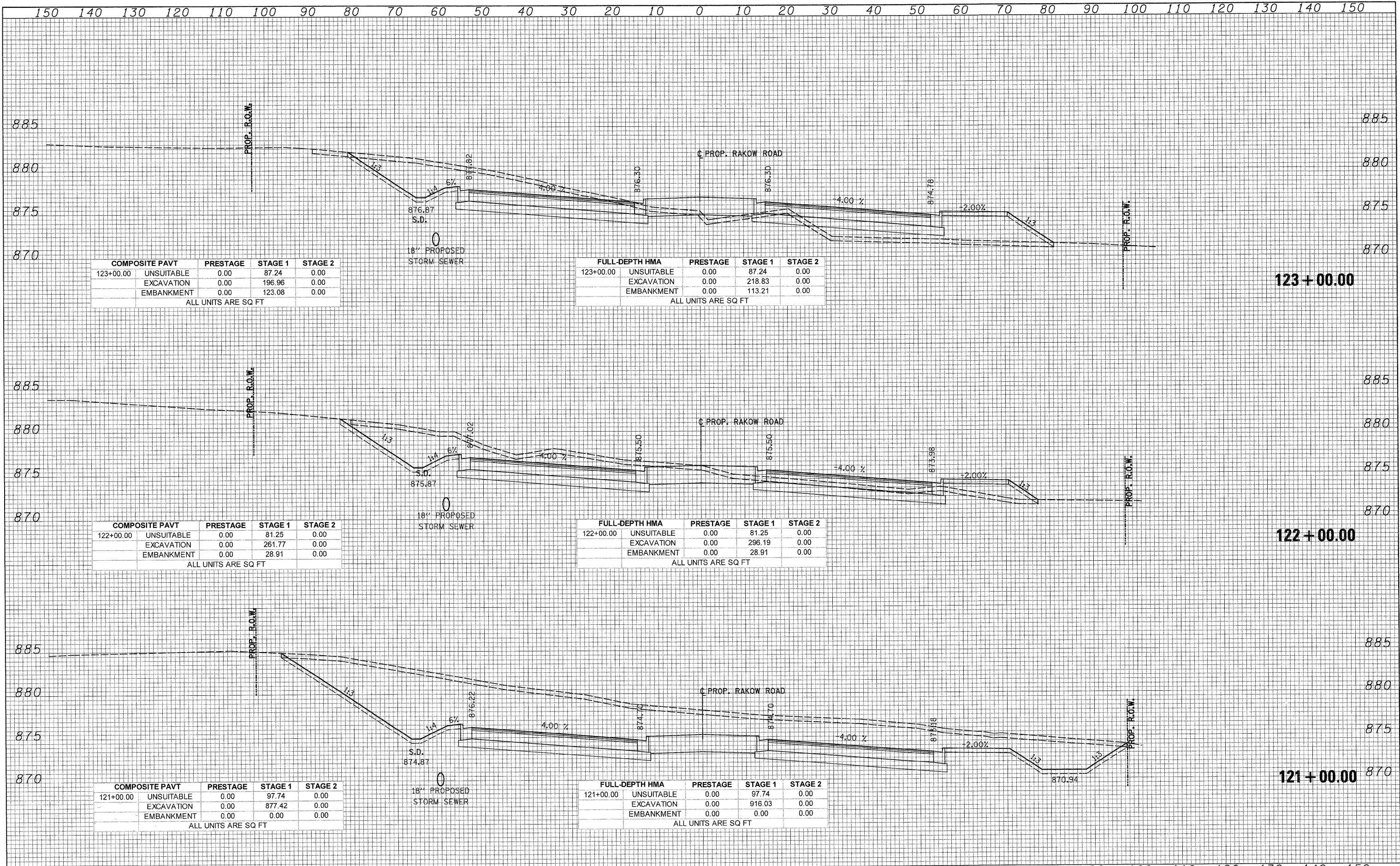
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			CONTRACT NO. 63398	
ILLINOIS FED. AID PROJECT				

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 TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
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 REVISIONS -



MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS  
 SCALE: 1H:2V SHEET NO. STA. 121+00.00 TO STA. 123+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 63398	
ILLINOIS FED. AID PROJECT				

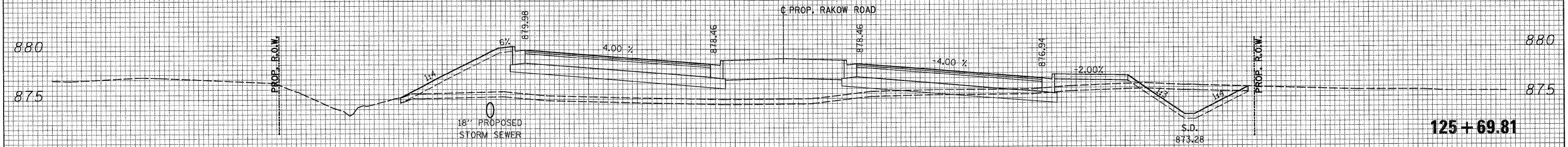
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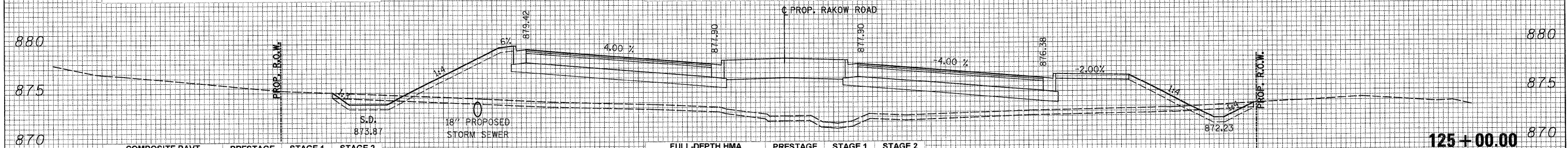
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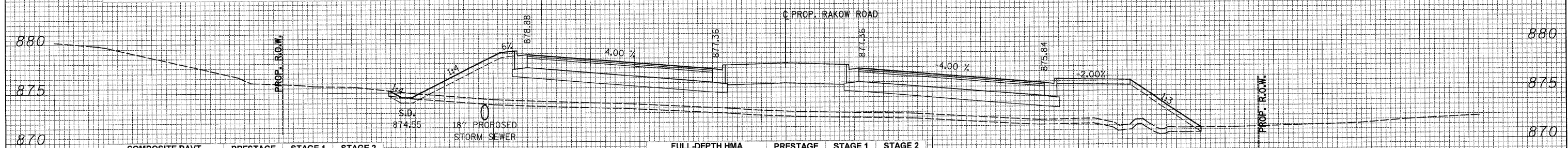
COMPOSITE PAVT		PRESTAGE	STAGE 1	STAGE 2
125+69.81	UNSUITABLE	0.00	87.07	0.00
	EXCAVATION	0.00	39.91	0.00
	EMBANKMENT	0.00	264.63	0.00
ALL UNITS ARE SQ FT				

FULL-DEPTH HMA		PRESTAGE	STAGE 1	STAGE 2
125+69.81	UNSUITABLE	0.00	87.07	0.00
	EXCAVATION	0.00	46.80	0.00
	EMBANKMENT	0.00	237.54	0.00
ALL UNITS ARE SQ FT				



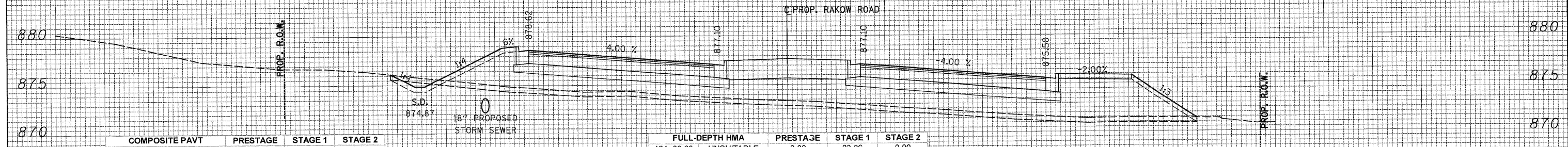
COMPOSITE PAVT		PRESTAGE	STAGE 1	STAGE 2
125+00.00	UNSUITABLE	0.00	94.96	0.00
	EXCAVATION	0.00	21.90	0.00
	EMBANKMENT	0.00	515.06	0.00
ALL UNITS ARE SQ FT				

FULL-DEPTH HMA		PRESTAGE	STAGE 1	STAGE 2
125+00.00	UNSUITABLE	0.00	94.96	0.00
	EXCAVATION	0.00	21.90	0.00
	EMBANKMENT	0.00	453.27	0.00
ALL UNITS ARE SQ FT				



COMPOSITE PAVT		PRESTAGE	STAGE 1	STAGE 2
124+32.45	UNSUITABLE	0.00	84.11	0.00
	EXCAVATION	0.00	2.08	0.00
	EMBANKMENT	0.00	459.97	0.00
ALL UNITS ARE SQ FT				

FULL-DEPTH HMA		PRESTAGE	STAGE 1	STAGE 2
124+32.45	UNSUITABLE	0.00	84.11	0.00
	EXCAVATION	0.00	2.08	0.00
	EMBANKMENT	0.00	425.55	0.00
ALL UNITS ARE SQ FT				



COMPOSITE PAVT		PRESTAGE	STAGE 1	STAGE 2
124+00.00	UNSUITABLE	0.00	83.86	0.00
	EXCAVATION	0.00	5.81	0.00
	EMBANKMENT	0.00	407.94	0.00
ALL UNITS ARE SQ FT				

FULL-DEPTH HMA		PRESTAGE	STAGE 1	STAGE 2
124+00.00	UNSUITABLE	0.00	83.86	0.00
	EXCAVATION	0.00	5.81	0.00
	EMBANKMENT	0.00	373.52	0.00
ALL UNITS ARE SQ FT				

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 CHECKED - JAH  
 DATE - 8/2/2010

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 124+00.00 TO STA. 125+69.81

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	453
			CONTRACT NO. 63398	

ILLINOIS FED. AID PROJECT

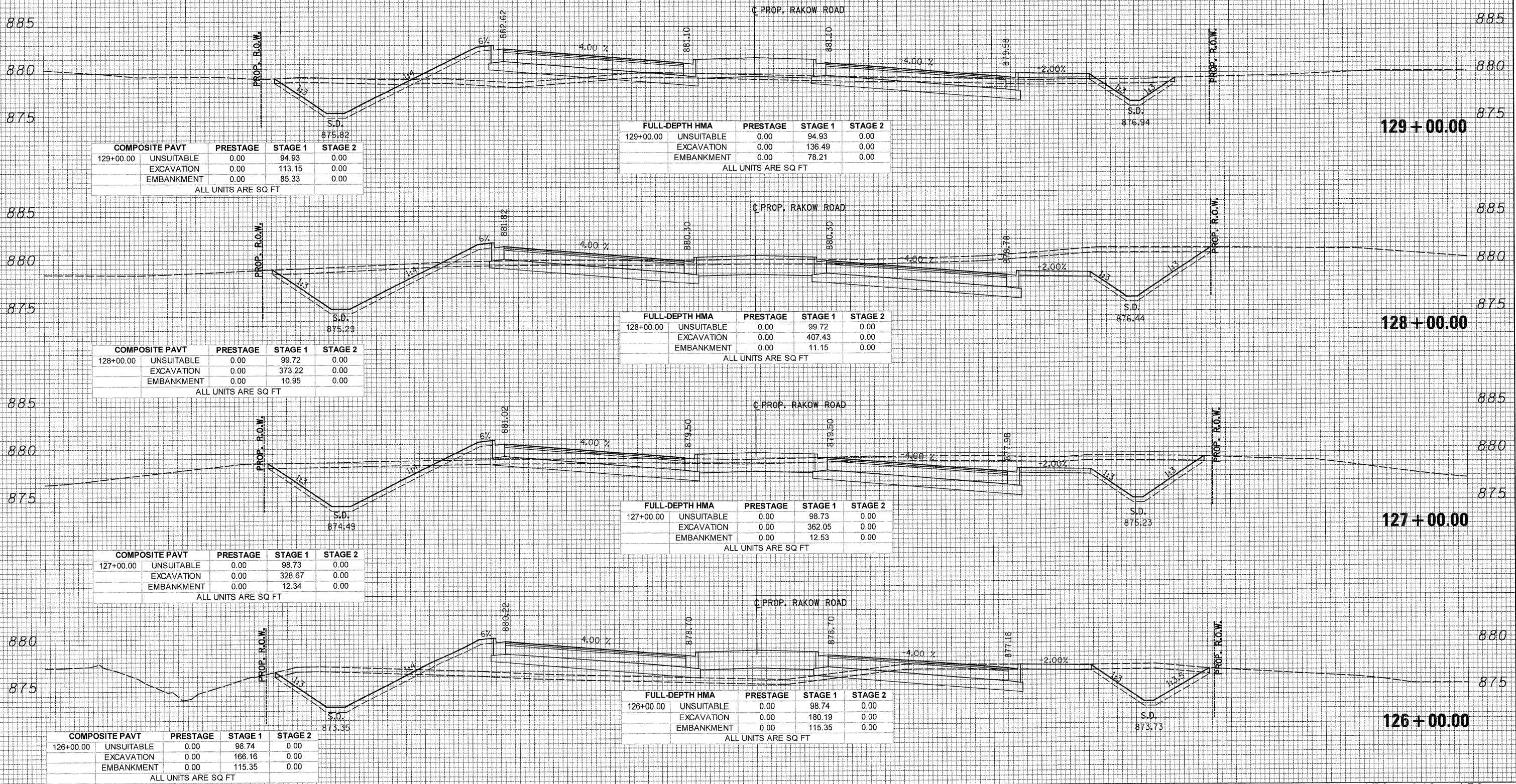
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
129+00.00 UNSUITABLE	0.00	94.93	0.00
EXCAVATION	0.00	113.15	0.00
EMBANKMENT	0.00	85.33	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
129+00.00 UNSUITABLE	0.00	94.93	0.00
EXCAVATION	0.00	136.49	0.00
EMBANKMENT	0.00	78.21	0.00

ALL UNITS ARE SQ FT

COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
128+00.00 UNSUITABLE	0.00	99.72	0.00
EXCAVATION	0.00	373.22	0.00
EMBANKMENT	0.00	10.95	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
128+00.00 UNSUITABLE	0.00	99.72	0.00
EXCAVATION	0.00	407.43	0.00
EMBANKMENT	0.00	11.15	0.00

ALL UNITS ARE SQ FT

COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
127+00.00 UNSUITABLE	0.00	98.73	0.00
EXCAVATION	0.00	328.67	0.00
EMBANKMENT	0.00	12.34	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
127+00.00 UNSUITABLE	0.00	98.73	0.00
EXCAVATION	0.00	362.05	0.00
EMBANKMENT	0.00	12.53	0.00

ALL UNITS ARE SQ FT

COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
126+00.00 UNSUITABLE	0.00	98.74	0.00
EXCAVATION	0.00	166.16	0.00
EMBANKMENT	0.00	115.35	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
126+00.00 UNSUITABLE	0.00	98.74	0.00
EXCAVATION	0.00	180.19	0.00
EMBANKMENT	0.00	115.35	0.00

ALL UNITS ARE SQ FT

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 CHECKED - JAH  
 DATE - 8/2/2010



MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 126+00.00 TO STA. 129+00.00

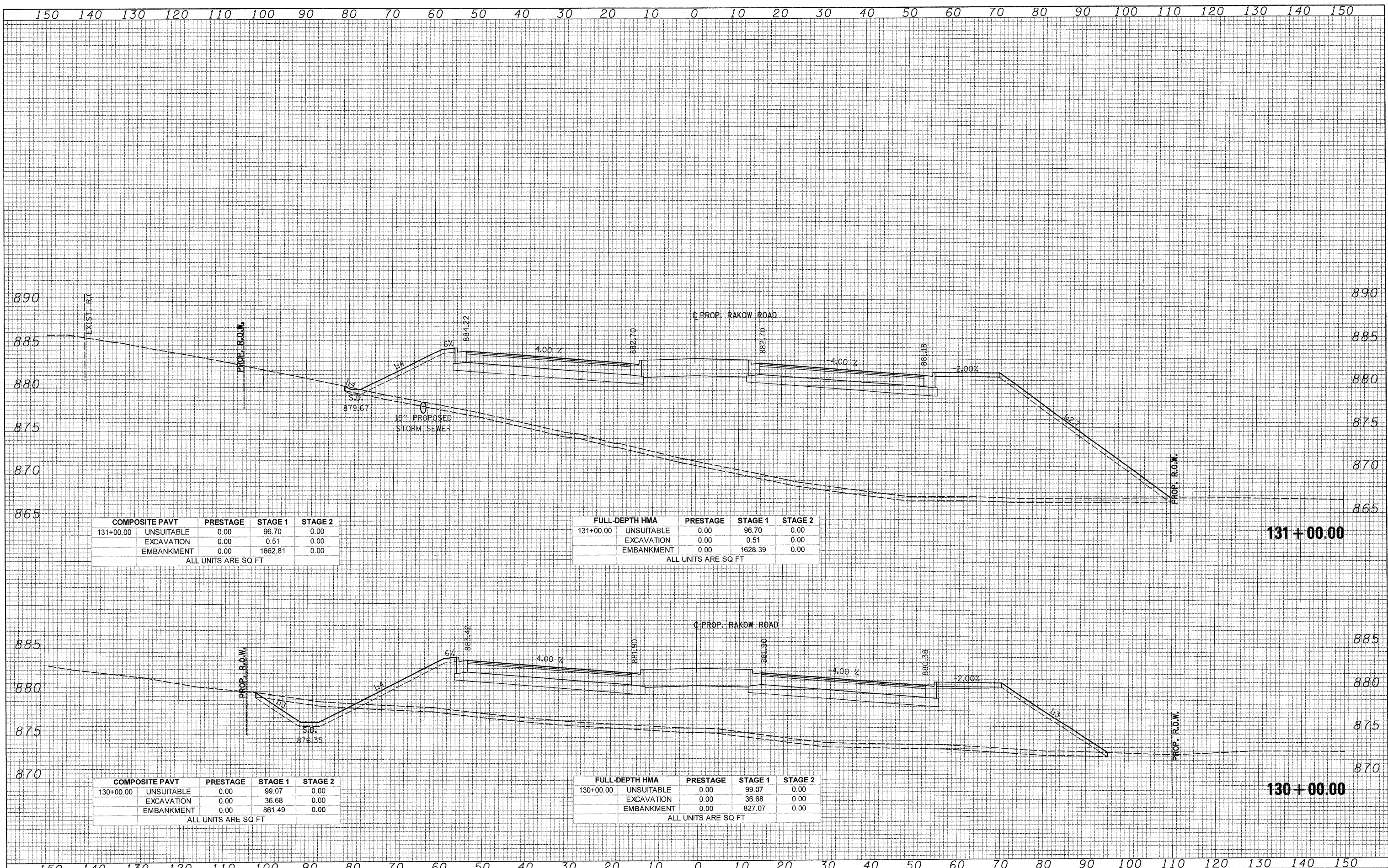
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	454
CONTRACT NO. 63398			ILLINOIS FED. AID PROJECT	

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
131+00.00 UNSUITABLE	0.00	96.70	0.00
EXCAVATION	0.00	0.51	0.00
EMBANKMENT	0.00	1662.81	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
131+00.00 UNSUITABLE	0.00	96.70	0.00
EXCAVATION	0.00	0.51	0.00
EMBANKMENT	0.00	1628.39	0.00

ALL UNITS ARE SQ FT

COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
130+00.00 UNSUITABLE	0.00	99.07	0.00
EXCAVATION	0.00	36.68	0.00
EMBANKMENT	0.00	861.49	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
130+00.00 UNSUITABLE	0.00	99.07	0.00
EXCAVATION	0.00	36.68	0.00
EMBANKMENT	0.00	827.07	0.00

ALL UNITS ARE SQ FT

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 DATE - 8/2/2010



MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

SCALE: 1H:2V SHEET NO. STA. 130+00.00 TO STA. 131+00.00

RAKOW ROAD  
 CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	455

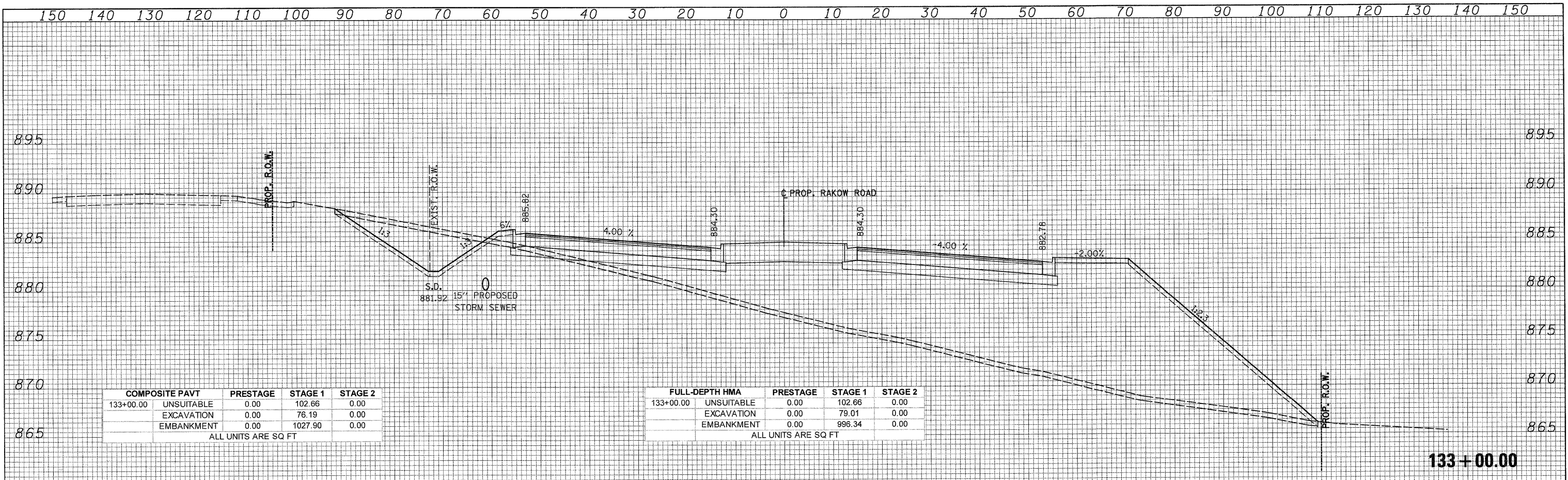
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 ILLINOIS FED. AID PROJECT

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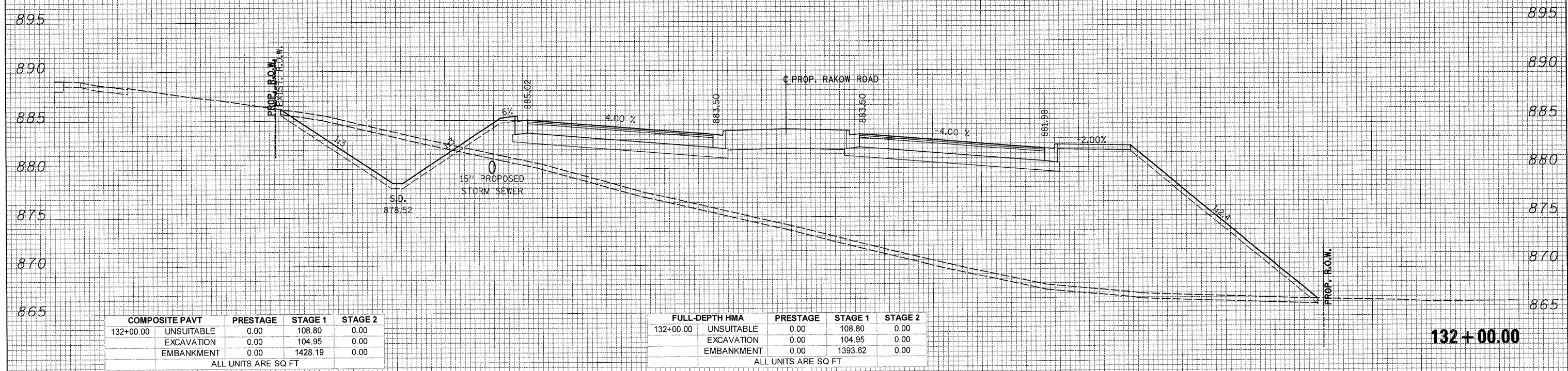


COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
133+00.00 UNSUITABLE	0.00	102.66	0.00
EXCAVATION	0.00	76.19	0.00
EMBANKMENT	0.00	1027.90	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
133+00.00 UNSUITABLE	0.00	102.66	0.00
EXCAVATION	0.00	79.01	0.00
EMBANKMENT	0.00	996.34	0.00

ALL UNITS ARE SQ FT



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
132+00.00 UNSUITABLE	0.00	108.80	0.00
EXCAVATION	0.00	104.95	0.00
EMBANKMENT	0.00	1428.19	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
132+00.00 UNSUITABLE	0.00	108.80	0.00
EXCAVATION	0.00	104.95	0.00
EMBANKMENT	0.00	1393.62	0.00

ALL UNITS ARE SQ FT

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 DRAWN - TCK  
 CHECKED - JAH  
 DATE - 8/2/2010



MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

SCALE: 1H:2V SHEET NO. STA. 132+00.00 TO STA. 133+00.00

RAKOW ROAD  
 CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	456

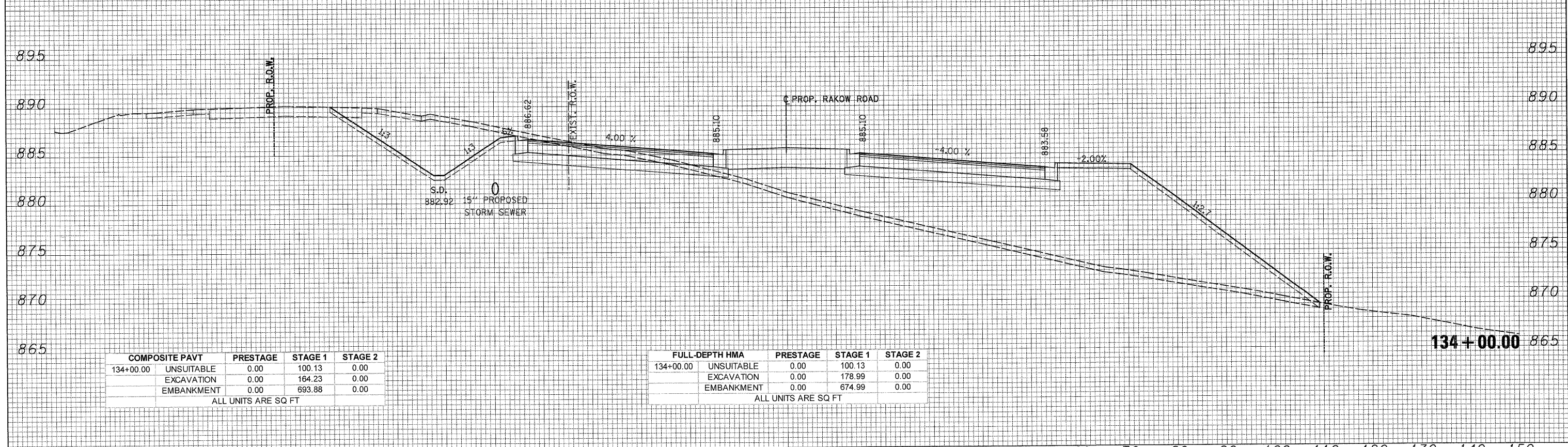
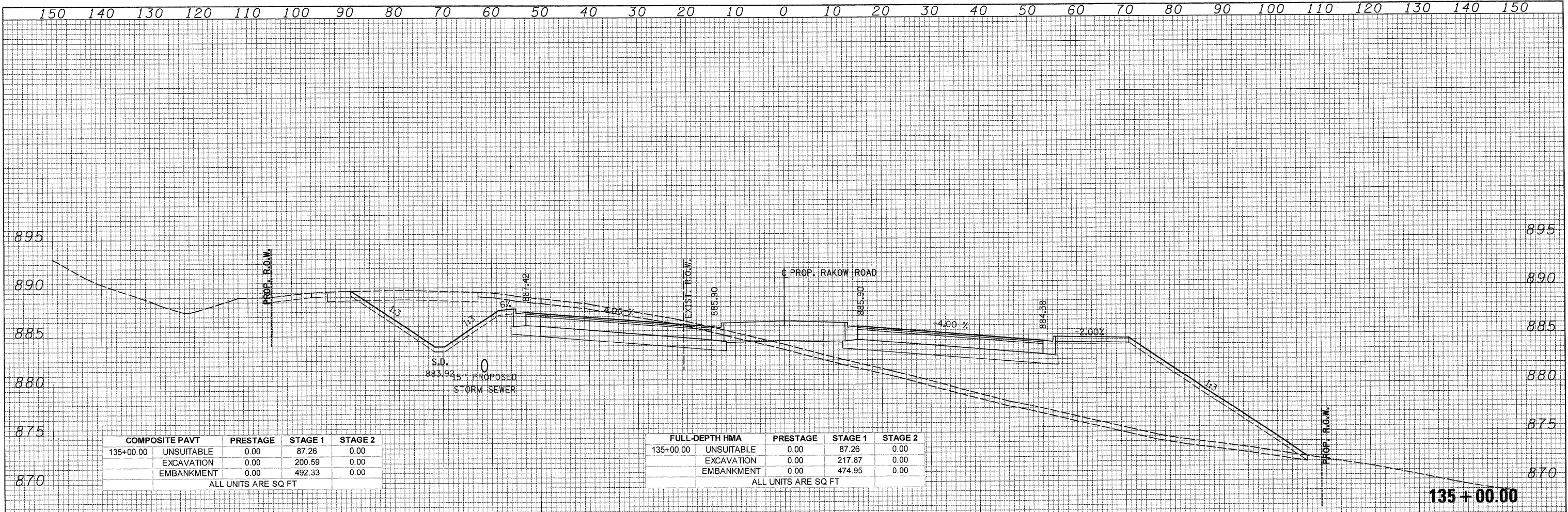
CONTRACT NO. 63398  
 ILLINOIS FED. AID PROJECT

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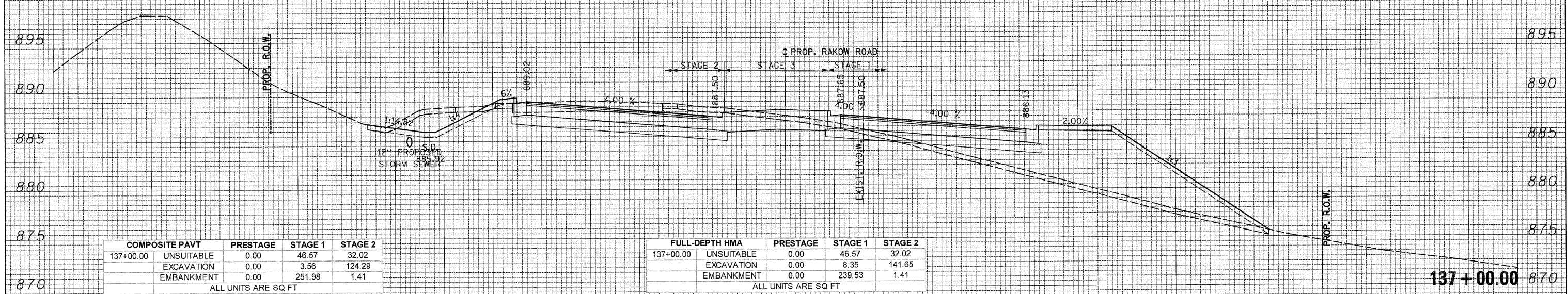
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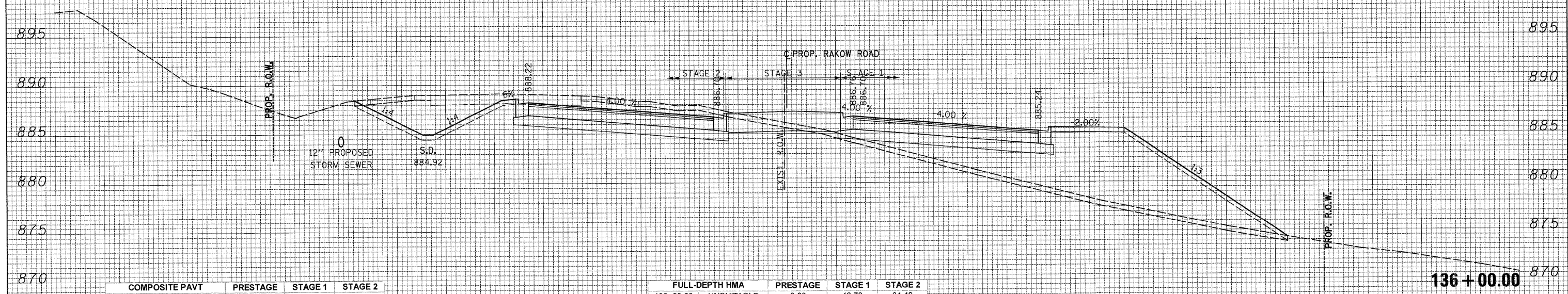
COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
137+00.00 UNSUITABLE	0.00	46.57	32.02
EXCAVATION	0.00	3.56	124.29
EMBANKMENT	0.00	251.98	1.41

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
137+00.00 UNSUITABLE	0.00	46.57	32.02
EXCAVATION	0.00	8.35	141.65
EMBANKMENT	0.00	239.53	1.41

ALL UNITS ARE SQ FT

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
136+00.00 UNSUITABLE	0.00	46.70	34.49
EXCAVATION	0.00	0.00	176.50
EMBANKMENT	0.00	348.71	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
136+00.00 UNSUITABLE	0.00	46.70	34.49
EXCAVATION	0.00	0.00	193.79
EMBANKMENT	0.00	329.41	0.00

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

SCALE: 1H:2V  
 SHEET NO. \_\_\_\_\_  
 STA. 136+00.00 TO STA. 137+00.00

RAKOW ROAD  
 CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	458
				CONTRACT NO. 63398

ILLINOIS FED. AID PROJECT

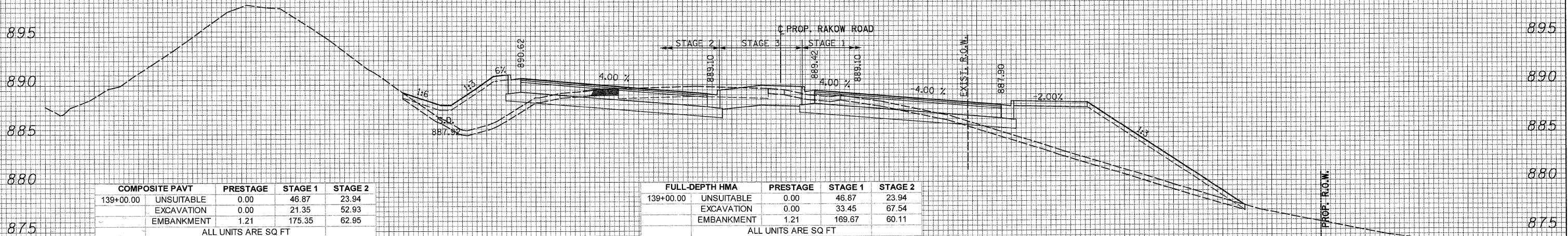
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ORIGINAL SURVEY PLOTTED	
NOTE BOOK NO.	
AREAS CHECKED	



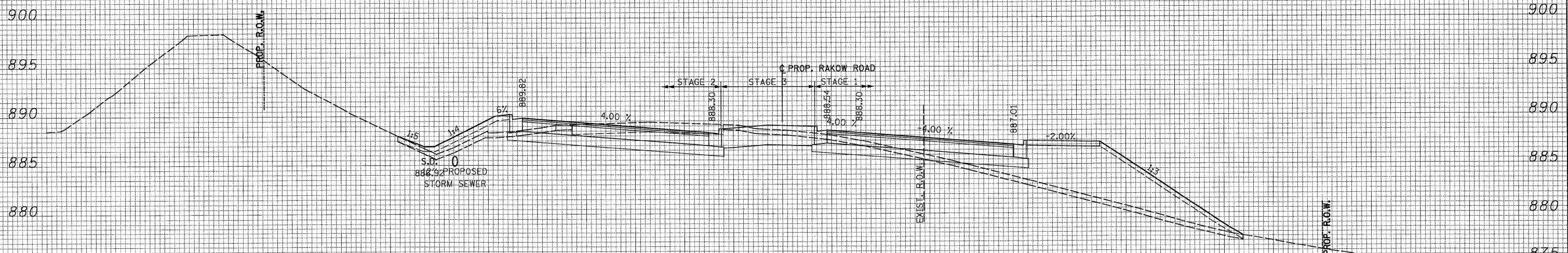
COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
139+00.00 UNSUITABLE	0.00	46.87	23.94
EXCAVATION	0.00	21.35	52.93
EMBANKMENT	1.21	175.35	62.95

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
139+00.00 UNSUITABLE	0.00	46.87	23.94
EXCAVATION	0.00	33.45	67.54
EMBANKMENT	1.21	169.67	60.11

ALL UNITS ARE SQ FT

139+00.00



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
138+00.00 UNSUITABLE	0.00	44.92	18.84
EXCAVATION	0.00	11.50	73.65
EMBANKMENT	0.00	183.51	19.99

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
138+00.00 UNSUITABLE	0.00	44.92	18.84
EXCAVATION	0.00	19.52	91.24
EMBANKMENT	0.00	173.74	20.15

ALL UNITS ARE SQ FT

138+00.00

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

SCALE: 1H:2V  
 SHEET NO.  
 STA. 138+00.00 TO STA. 139+00.00

RAKOW ROAD  
 CROSS SECTIONS

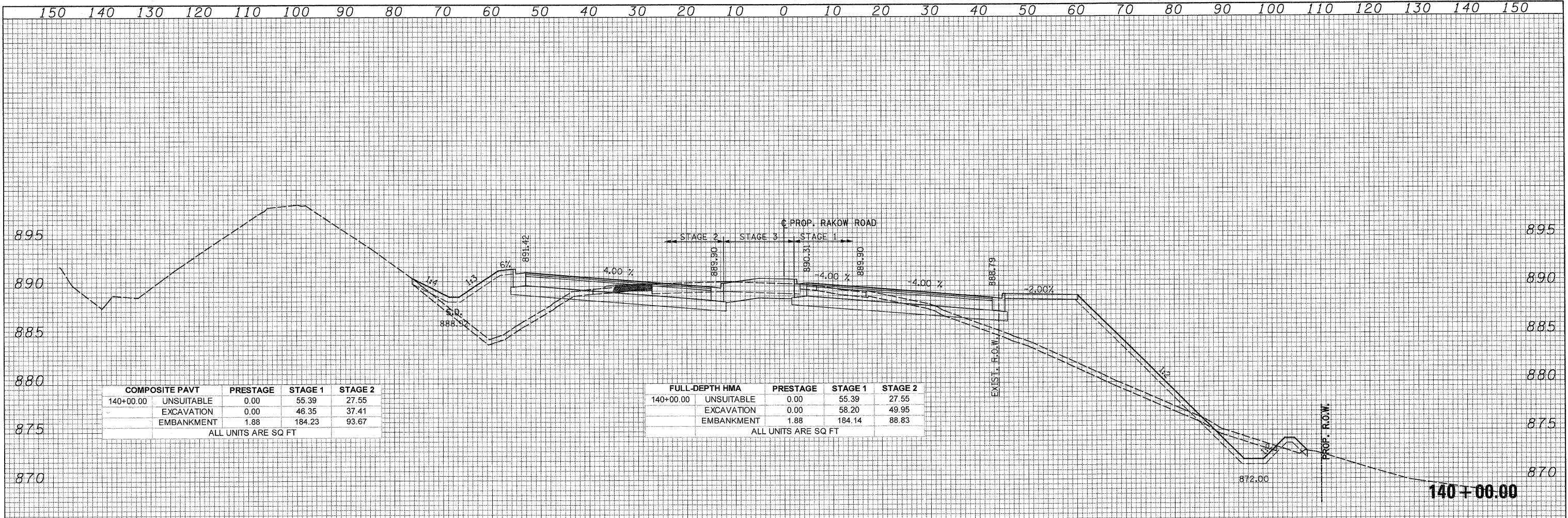
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ILLINOIS FED. AID PROJECT				

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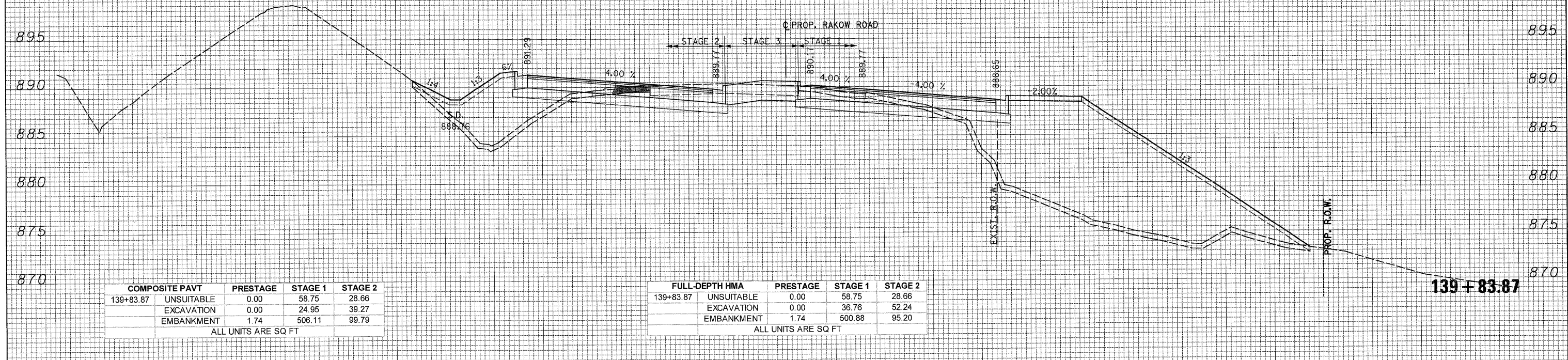
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 SURVEY PLOTTED DATE  
 NOTE BOOK NO.  
 AREAS CHECKED

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



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
140+00.00 UNSUITABLE	0.00	55.39	27.55
EXCAVATION	0.00	46.35	37.41
EMBANKMENT	1.88	184.23	93.67
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
140+00.00 UNSUITABLE	0.00	55.39	27.55
EXCAVATION	0.00	58.20	49.95
EMBANKMENT	1.88	184.14	88.83
ALL UNITS ARE SQ FT			



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
139+83.87 UNSUITABLE	0.00	58.75	28.66
EXCAVATION	0.00	24.95	39.27
EMBANKMENT	1.74	506.11	99.79
ALL UNITS ARE SQ FT			

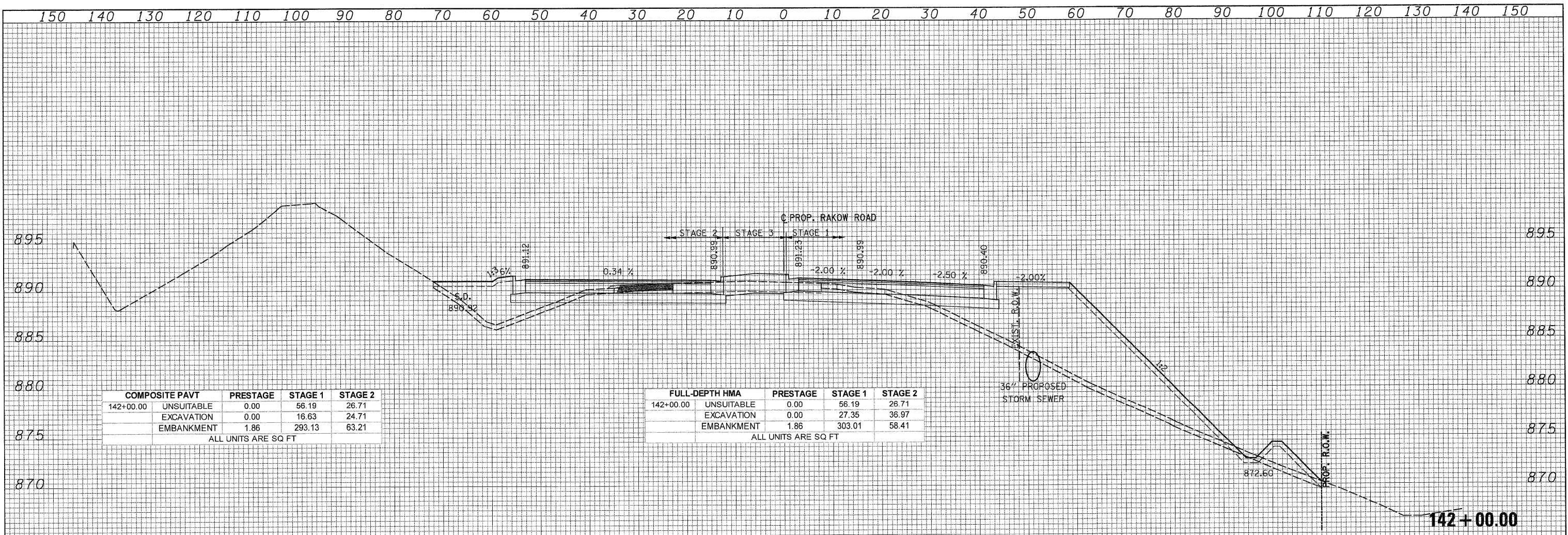
FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
139+83.87 UNSUITABLE	0.00	58.75	28.66
EXCAVATION	0.00	36.76	52.24
EMBANKMENT	1.74	500.88	95.20
ALL UNITS ARE SQ FT			

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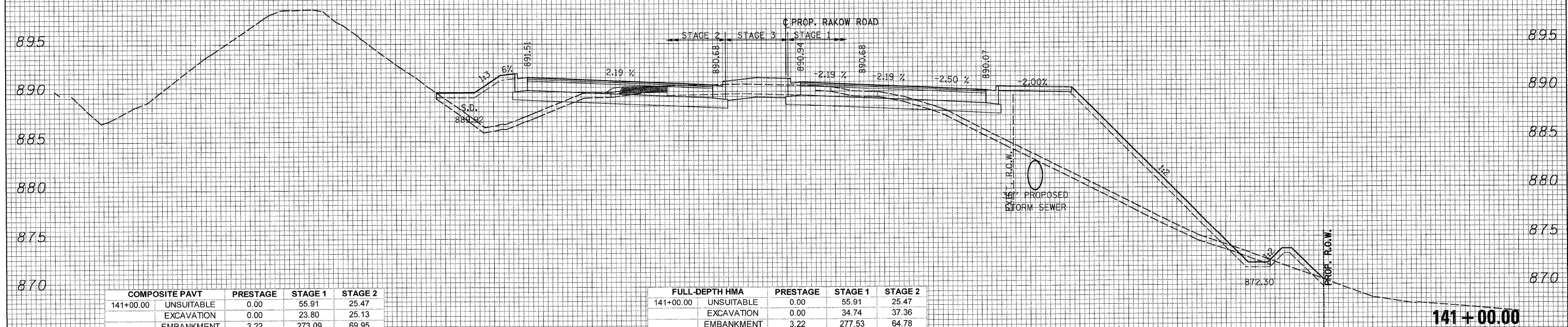


COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
142+00.00 UNSUITABLE	0.00	56.19	26.71
EXCAVATION	0.00	16.63	24.71
EMBANKMENT	1.86	293.13	63.21

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
142+00.00 UNSUITABLE	0.00	56.19	26.71
EXCAVATION	0.00	27.35	36.97
EMBANKMENT	1.86	303.01	58.41

ALL UNITS ARE SQ FT



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
141+00.00 UNSUITABLE	0.00	55.91	25.47
EXCAVATION	0.00	23.80	25.13
EMBANKMENT	3.22	273.09	69.95

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
141+00.00 UNSUITABLE	0.00	55.91	25.47
EXCAVATION	0.00	34.74	37.36
EMBANKMENT	3.22	277.53	64.78

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

SCALE: 1H:2V SHEET NO. STA. 141+00.00 TO STA. 142+00.00

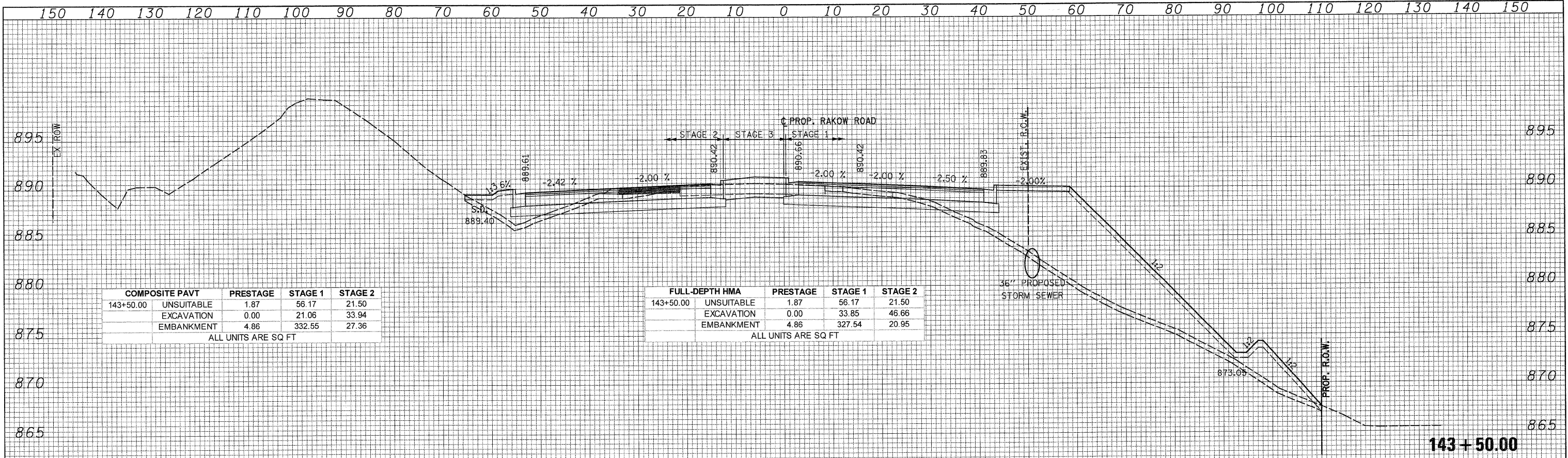
RAKOW ROAD  
 CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	461

CONTRACT NO. 63398  
 ILLINOIS FED. AID PROJECT

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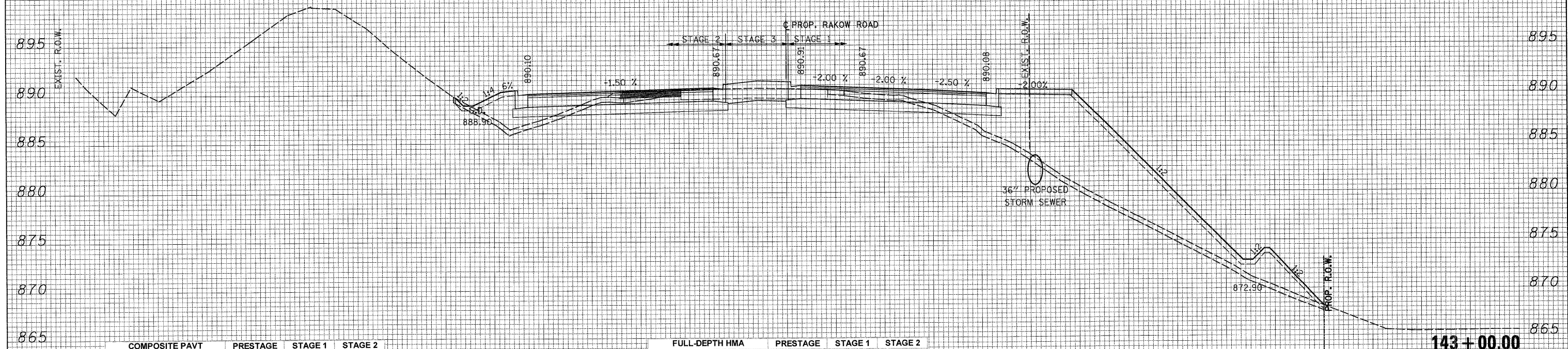


COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
143+50.00 UNSUITABLE	1.87	56.17	21.50
EXCAVATION	0.00	21.06	33.94
EMBANKMENT	4.86	332.55	27.36

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
143+50.00 UNSUITABLE	1.87	56.17	21.50
EXCAVATION	0.00	33.85	46.66
EMBANKMENT	4.86	327.54	20.95

ALL UNITS ARE SQ FT



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
143+00.00 UNSUITABLE	1.72	56.09	24.93
EXCAVATION	0.00	20.62	30.38
EMBANKMENT	4.72	340.38	35.99

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
143+00.00 UNSUITABLE	1.72	56.09	24.93
EXCAVATION	0.00	33.02	42.79
EMBANKMENT	4.72	335.25	31.31

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS  
 SCALE: 1H:2V SHEET NO. STA. 143+00.00 TO STA. 143+50.00

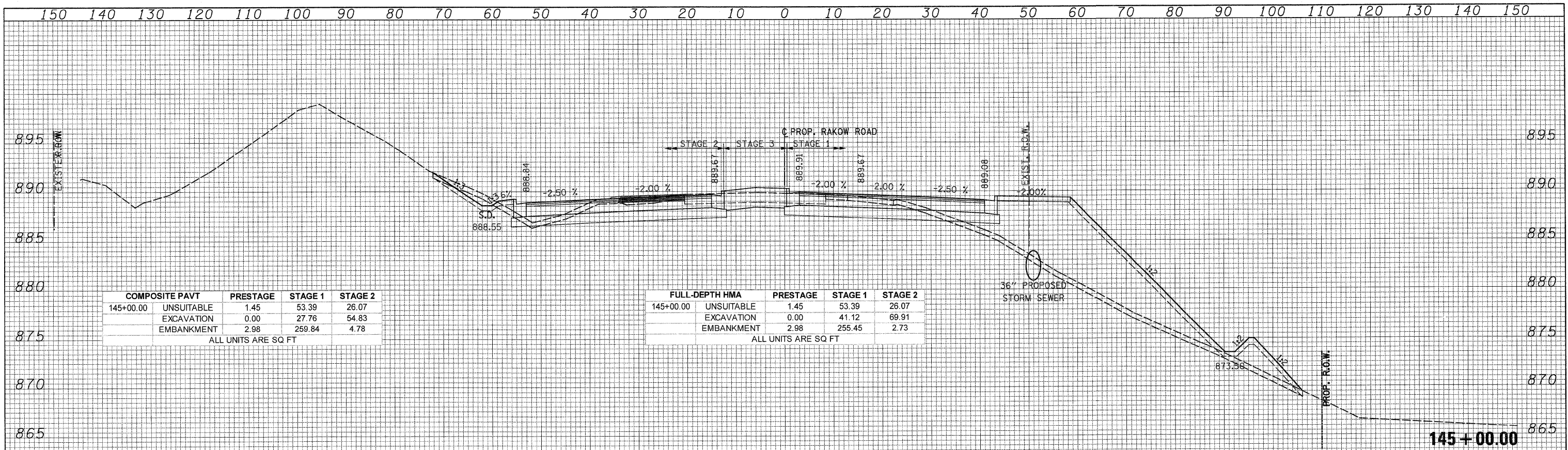
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0336	05-00308-00-WR	MCHENRY	606	462
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ILLINOIS FED. AID PROJECT				

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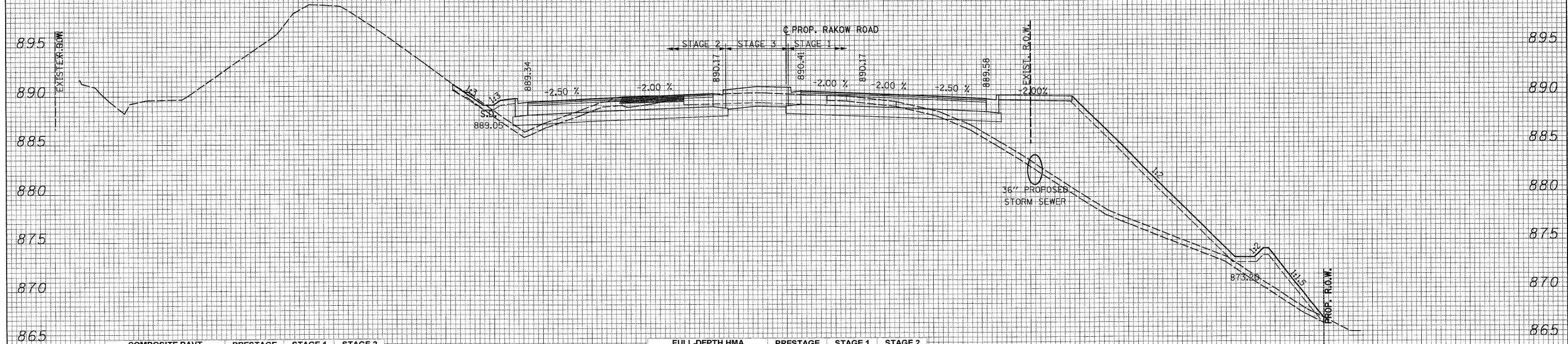
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
145+00.00 UNSUITABLE	1.45	53.39	26.07
EXCAVATION	0.00	27.76	54.83
EMBANKMENT	2.98	259.84	4.78
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
145+00.00 UNSUITABLE	1.45	53.39	26.07
EXCAVATION	0.00	41.12	69.91
EMBANKMENT	2.98	255.45	2.73
ALL UNITS ARE SQ FT			



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
144+00.00 UNSUITABLE	1.45	56.59	24.42
EXCAVATION	0.00	21.07	36.66
EMBANKMENT	4.27	327.81	19.06
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
144+00.00 UNSUITABLE	1.45	56.59	24.42
EXCAVATION	0.00	34.09	49.27
EMBANKMENT	4.27	322.99	14.98
ALL UNITS ARE SQ FT			

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS  
 SCALE: 1H:2V SHEET NO. STA. 144+00.00 TO STA. 145+00.00

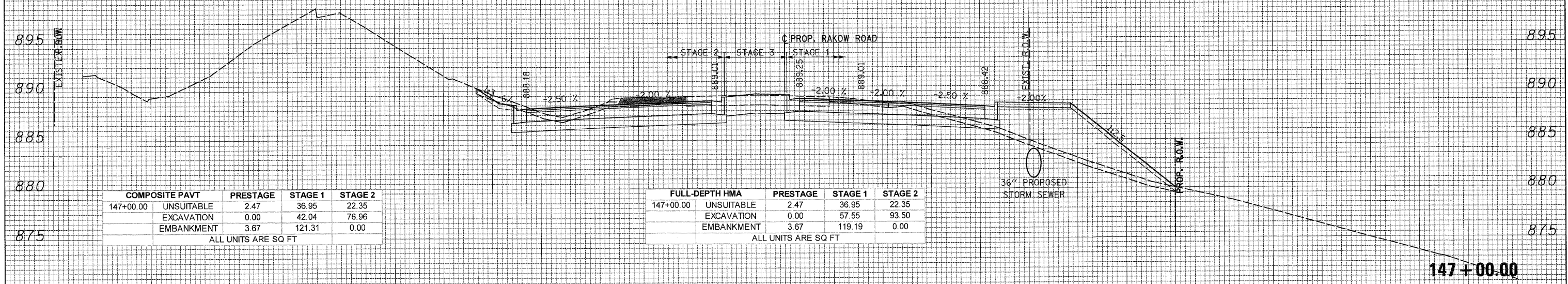
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0336	05-00308-00-WR	MCHENRY	606	463
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ILLINOIS FED. AID PROJECT				

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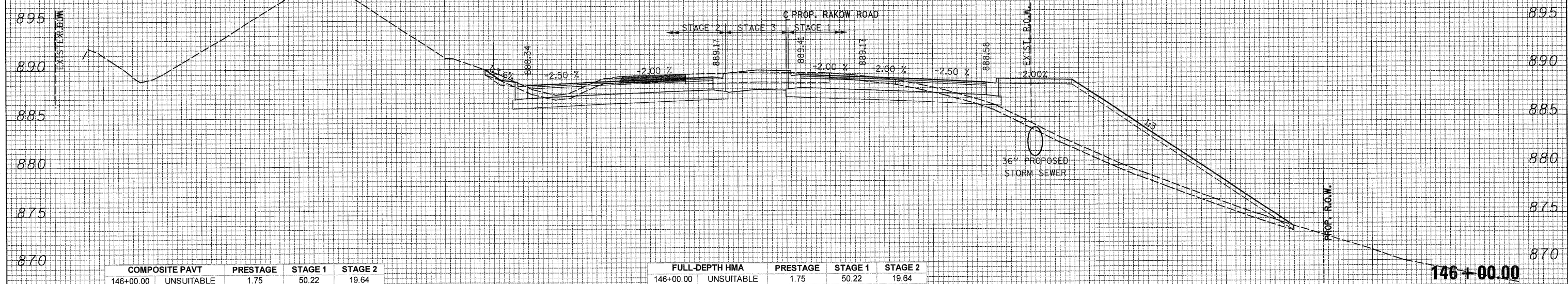
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
147+00.00 UNSUITABLE	2.47	36.95	22.35
EXCAVATION	0.00	42.04	76.96
EMBANKMENT	3.67	121.31	0.00
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
147+00.00 UNSUITABLE	2.47	36.95	22.35
EXCAVATION	0.00	57.55	93.50
EMBANKMENT	3.67	119.19	0.00
ALL UNITS ARE SQ FT			

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
146+00.00 UNSUITABLE	1.75	50.22	19.64
EXCAVATION	0.00	39.55	69.47
EMBANKMENT	1.64	232.43	0.00
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
146+00.00 UNSUITABLE	1.75	50.22	19.64
EXCAVATION	0.00	55.43	86.49
EMBANKMENT	1.64	228.35	0.00
ALL UNITS ARE SQ FT			

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 146+00.00 TO STA. 147+00.00

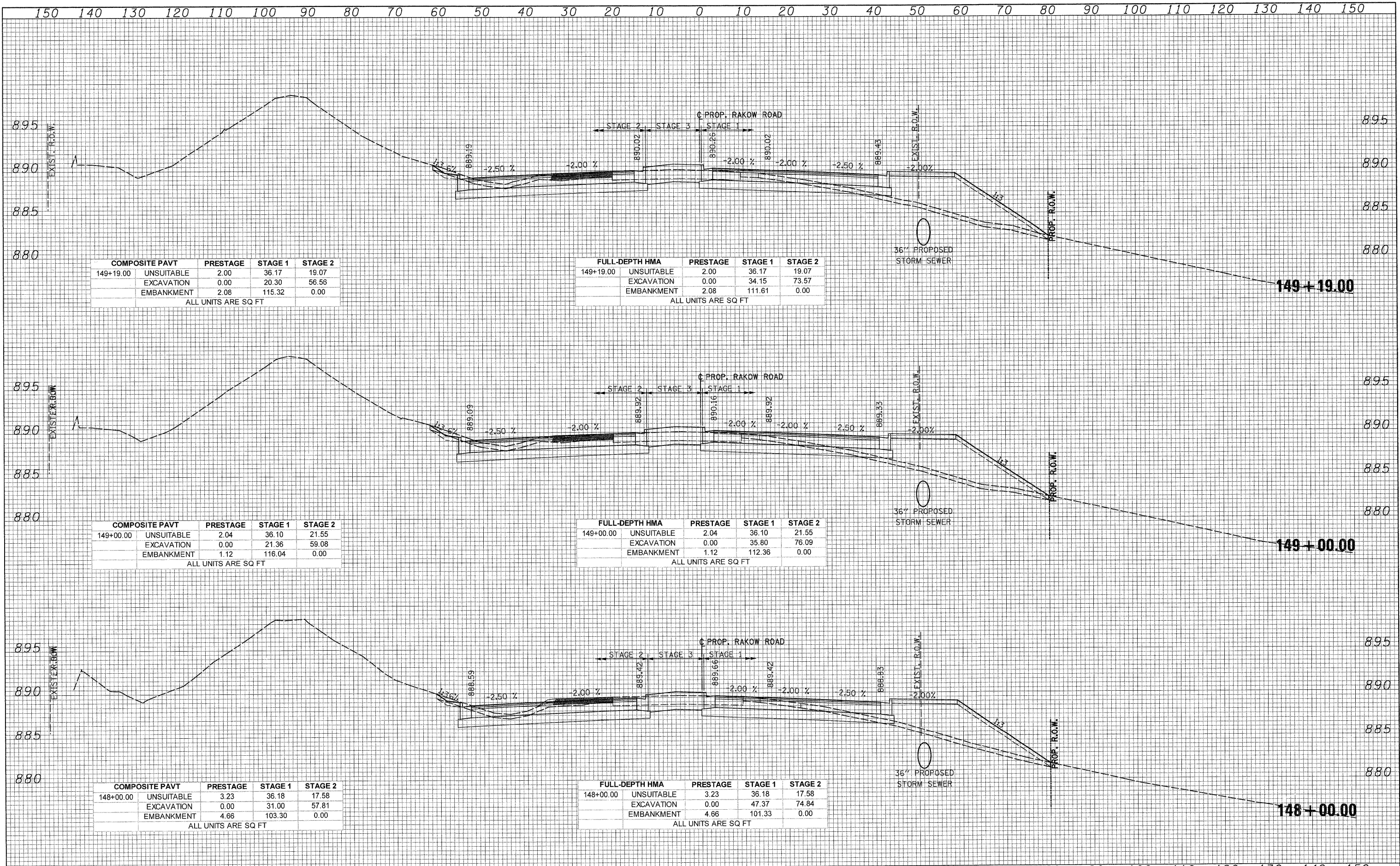
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	464
CONTRACT NO. 63398			ILLINOIS FED. AID PROJECT	

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 ORIGINAL SURVEY NOTE BOOK NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
149+19.00 UNSUITABLE	2.00	36.17	19.07
EXCAVATION	0.00	20.30	56.56
EMBANKMENT	2.08	115.32	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
149+19.00 UNSUITABLE	2.00	36.17	19.07
EXCAVATION	0.00	34.15	73.57
EMBANKMENT	2.08	111.61	0.00

ALL UNITS ARE SQ FT

COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
149+00.00 UNSUITABLE	2.04	36.10	21.55
EXCAVATION	0.00	21.36	59.08
EMBANKMENT	1.12	116.04	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
149+00.00 UNSUITABLE	2.04	36.10	21.55
EXCAVATION	0.00	35.80	76.09
EMBANKMENT	1.12	112.36	0.00

ALL UNITS ARE SQ FT

COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
148+00.00 UNSUITABLE	3.23	36.18	17.58
EXCAVATION	0.00	31.00	57.81
EMBANKMENT	4.66	103.30	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
148+00.00 UNSUITABLE	3.23	36.18	17.58
EXCAVATION	0.00	47.37	74.84
EMBANKMENT	4.66	101.33	0.00

ALL UNITS ARE SQ FT

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



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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS  
 SCALE: 1H:2V SHEET NO. STA. 148+00.00 TO STA. 149+19.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	465

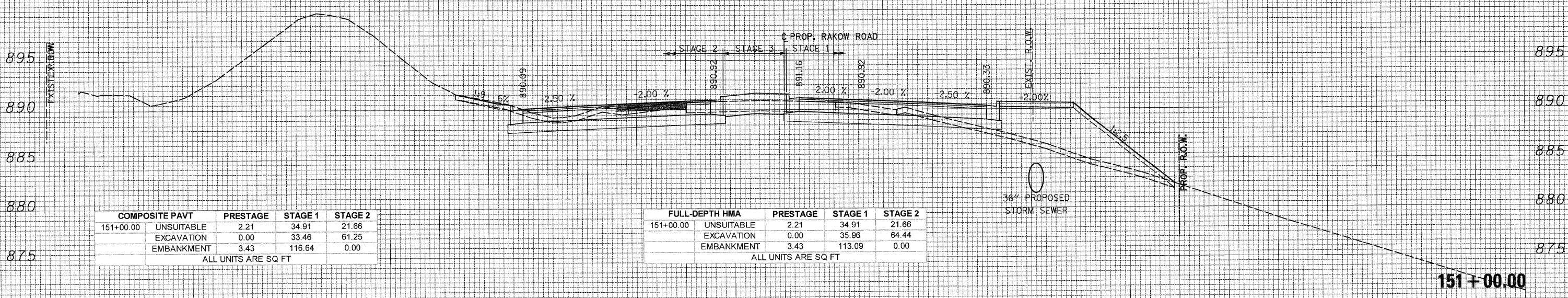
CONTRACT NO. 63398 ILLINOIS FED. AID PROJECT

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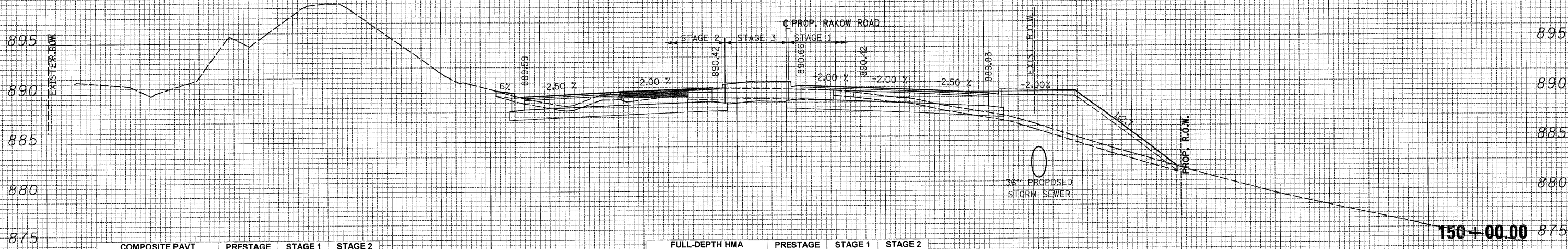
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151+00.00 UNSUITABLE	2.21	34.91	21.66
EXCAVATION	0.00	33.46	61.25
EMBANKMENT	3.43	116.64	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
151+00.00 UNSUITABLE	2.21	34.91	21.66
EXCAVATION	0.00	35.96	64.44
EMBANKMENT	3.43	113.09	0.00

ALL UNITS ARE SQ FT

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
150+00.00 UNSUITABLE	1.43	35.45	18.51
EXCAVATION	0.00	19.49	46.23
EMBANKMENT	3.69	106.87	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
150+00.00 UNSUITABLE	1.43	35.45	18.51
EXCAVATION	0.00	34.23	63.24
EMBANKMENT	3.69	103.65	0.00

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 150+00.00 TO STA. 151+00.00

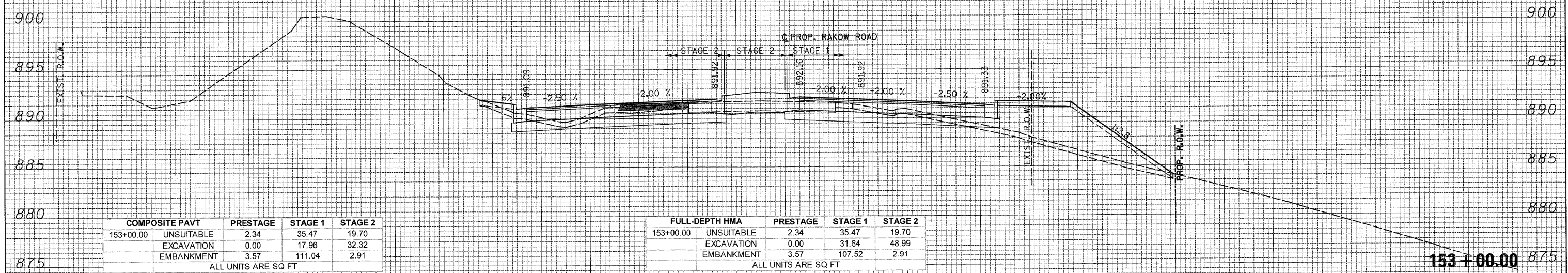
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	466
CONTRACT NO. 63398			ILLINOIS FED. AID PROJECT	

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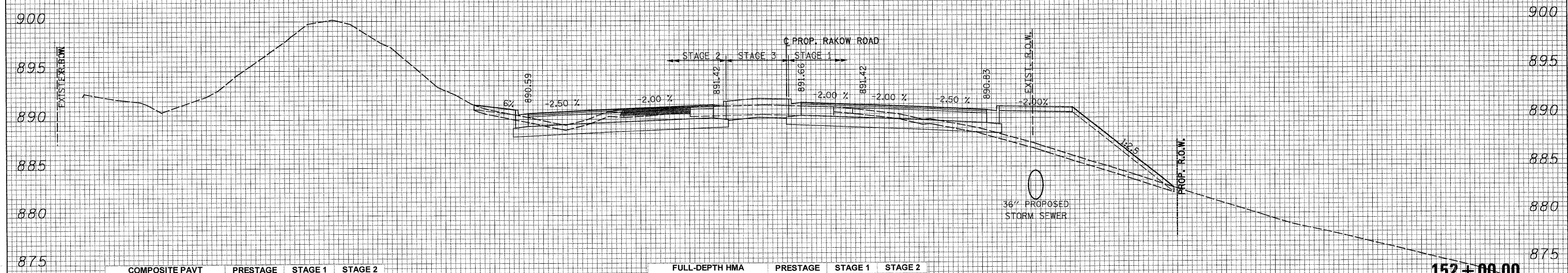
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153+00.00 UNSUITABLE	2.34	35.47	19.70
EXCAVATION	0.00	17.96	32.32
EMBANKMENT	3.57	111.04	2.91

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
153+00.00 UNSUITABLE	2.34	35.47	19.70
EXCAVATION	0.00	31.64	48.99
EMBANKMENT	3.57	107.52	2.91

ALL UNITS ARE SQ FT

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
152+00.00 UNSUITABLE	1.27	36.02	21.40
EXCAVATION	0.00	19.31	42.03
EMBANKMENT	2.57	113.80	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
152+00.00 UNSUITABLE	1.27	36.02	21.40
EXCAVATION	0.00	33.50	59.12
EMBANKMENT	2.57	110.51	0.00

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

SCALE: 1H:2V SHEET NO. STA. 152+00.00 TO STA. 153+00.00

RAKOW ROAD  
 CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	467

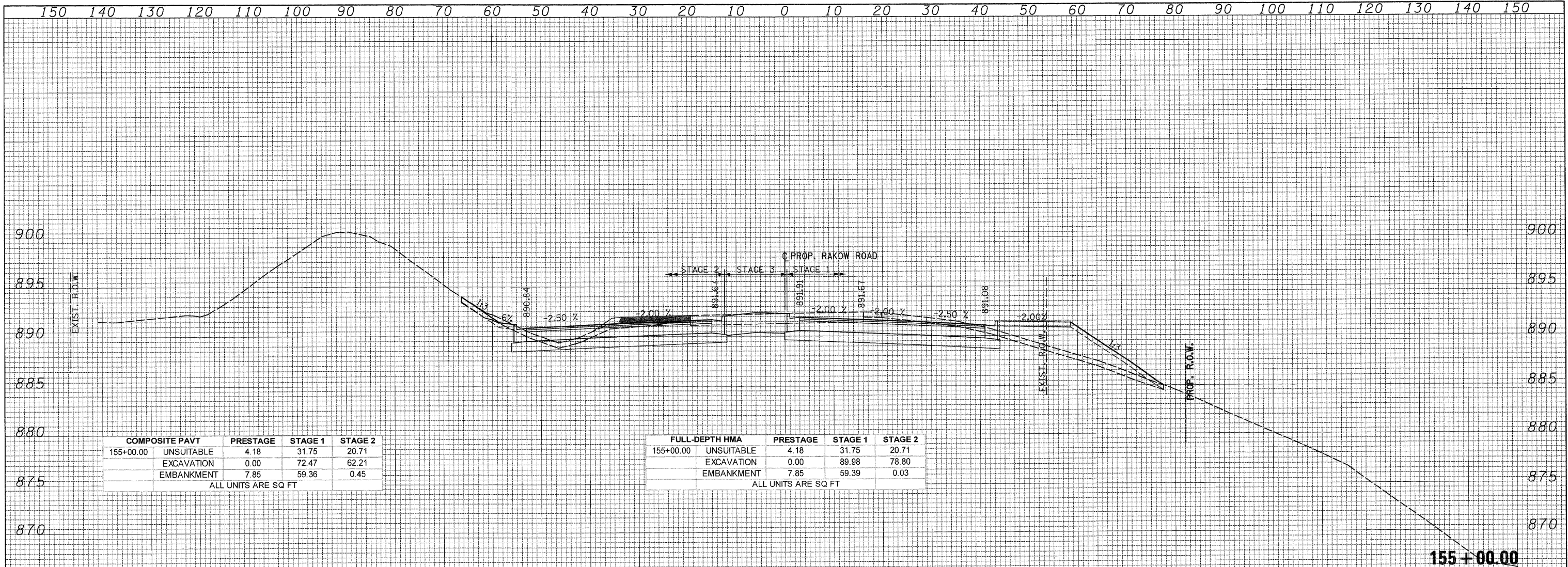
CONTRACT NO. 63398  
 [ILLINOIS] FED. AID PROJECT

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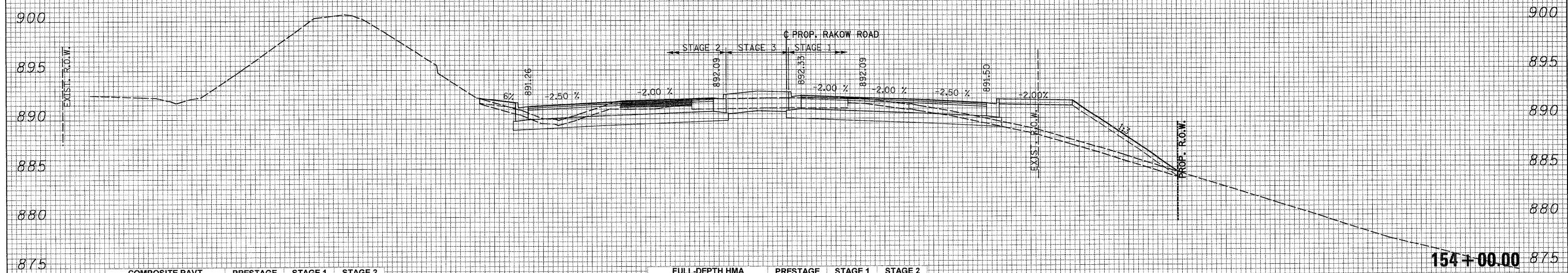
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
155+00.00 UNSUITABLE	4.18	31.75	20.71
EXCAVATION	0.00	72.47	62.21
EMBANKMENT	7.85	59.36	0.45
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
155+00.00 UNSUITABLE	4.18	31.75	20.71
EXCAVATION	0.00	89.98	78.80
EMBANKMENT	7.85	59.39	0.03
ALL UNITS ARE SQ FT			



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
154+00.00 UNSUITABLE	1.80	34.12	20.71
EXCAVATION	0.00	31.38	41.44
EMBANKMENT	3.38	88.16	2.64
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
154+00.00 UNSUITABLE	1.80	34.12	20.71
EXCAVATION	0.00	48.12	58.68
EMBANKMENT	3.38	88.12	2.49
ALL UNITS ARE SQ FT			

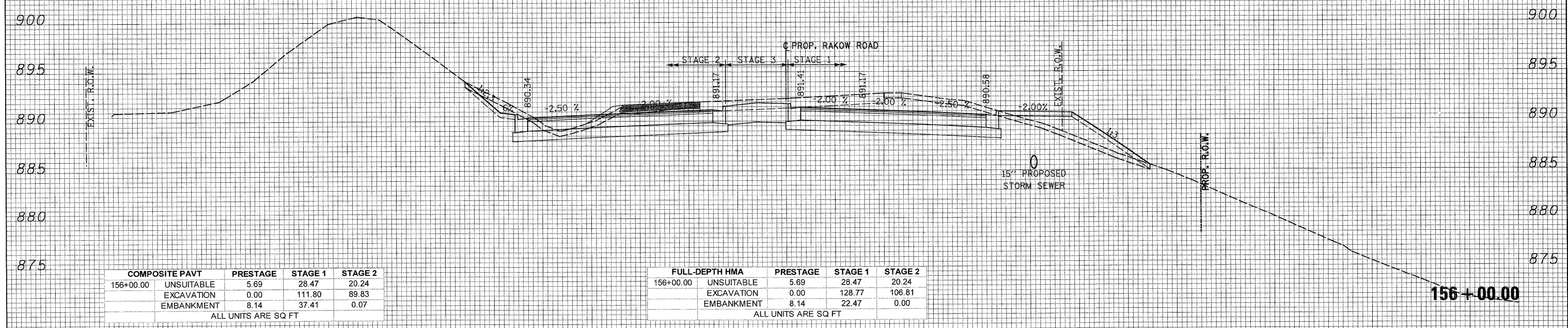
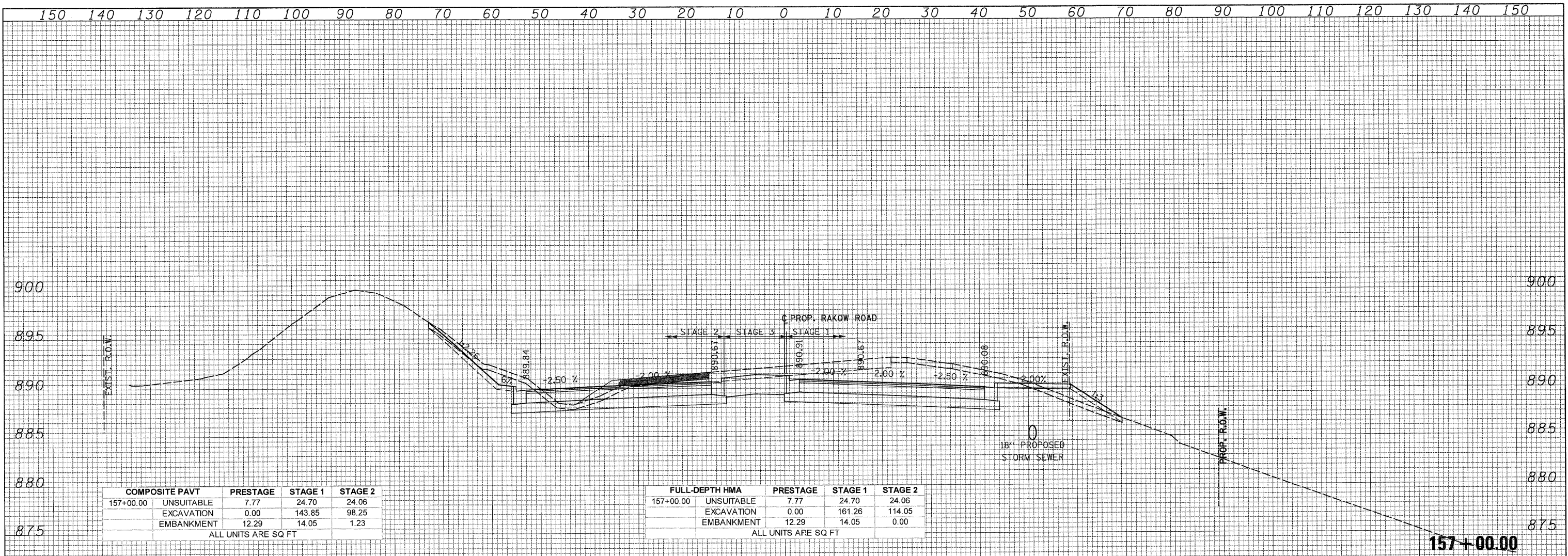
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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

SCALE: 1H:2V SHEET NO. STA. 156+00.00 TO STA. 157+00.00

RAKOW ROAD  
 CROSS SECTIONS

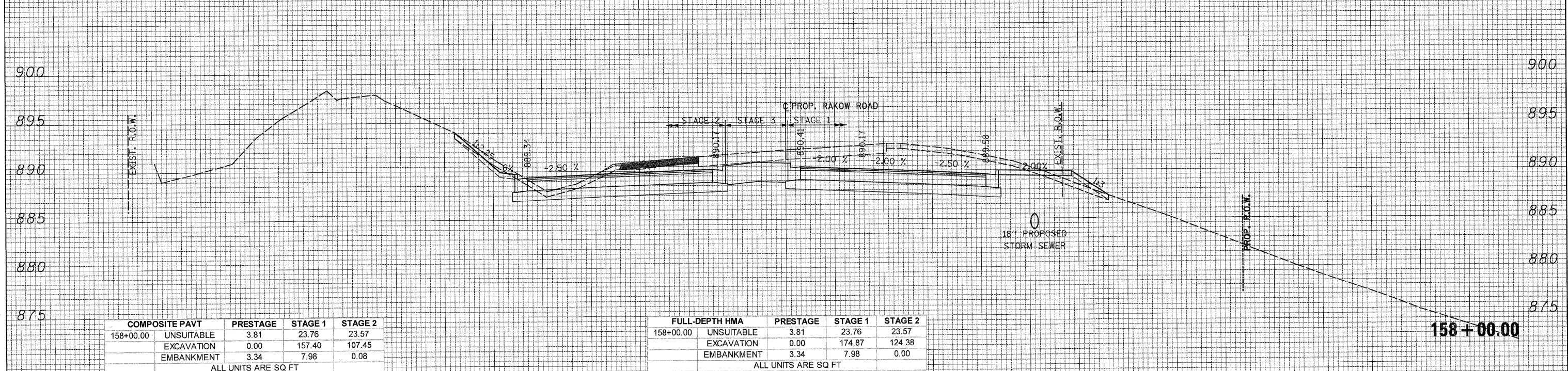
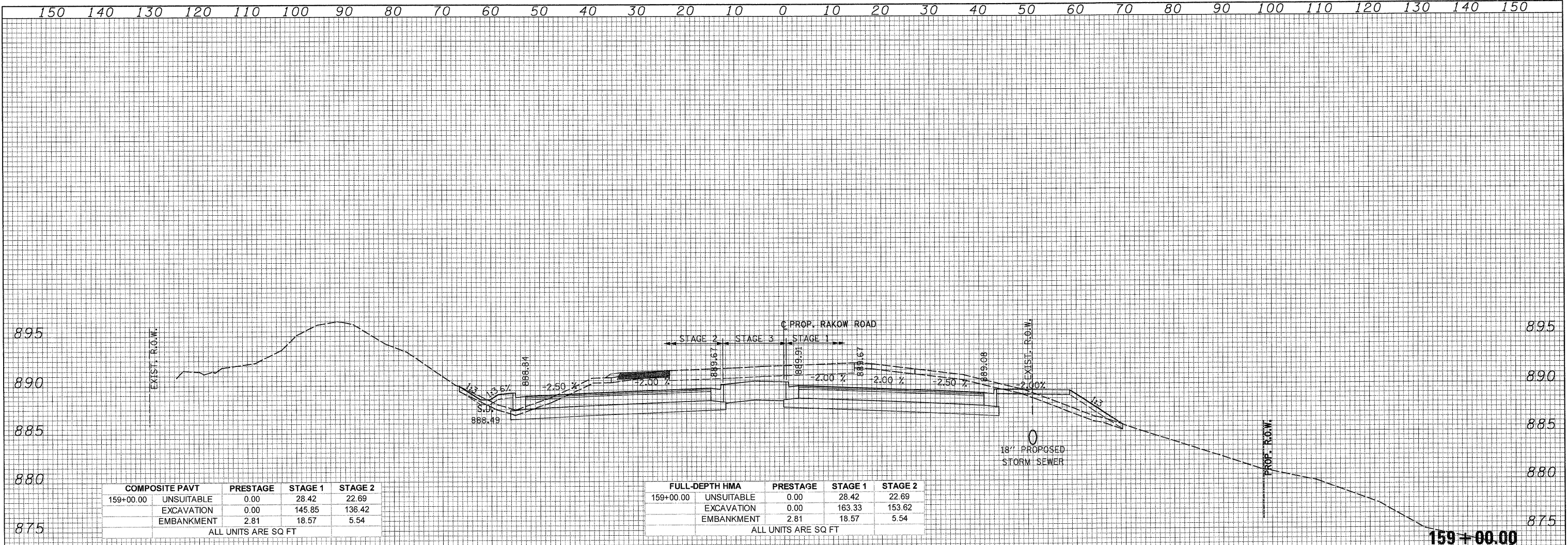
F.A. RTE. 0336	SECTION 05-00308-00-WR	COUNTY MCHENRY	TOTAL SHEETS 606	SHEET NO. 469
CONTRACT NO. 63398				
ILLINOIS FED. AID PROJECT				

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**MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION**

**RAKOW ROAD  
 CROSS SECTIONS**  
 SCALE: 1H:2V  
 SHEET NO. \_\_\_\_\_  
 STA. 158+00.00 TO STA. 159+00.00

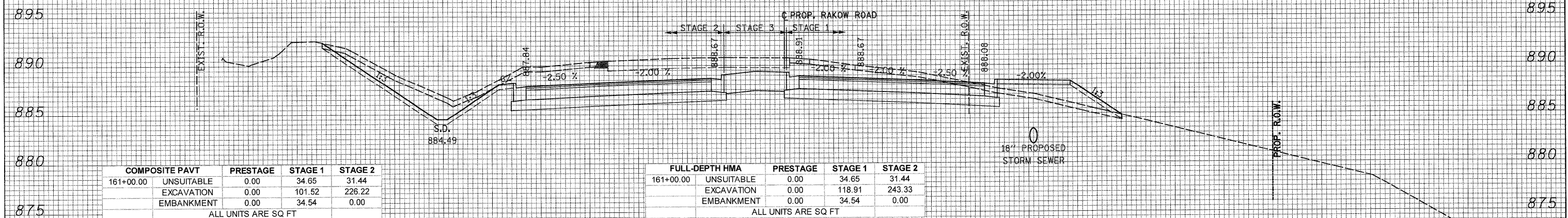
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0336	05-00308-00-WR	MCHENRY	606	470
			CONTRACT NO. 63398	
ILLINOIS FED. AID PROJECT				

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DATE \_\_\_\_\_  
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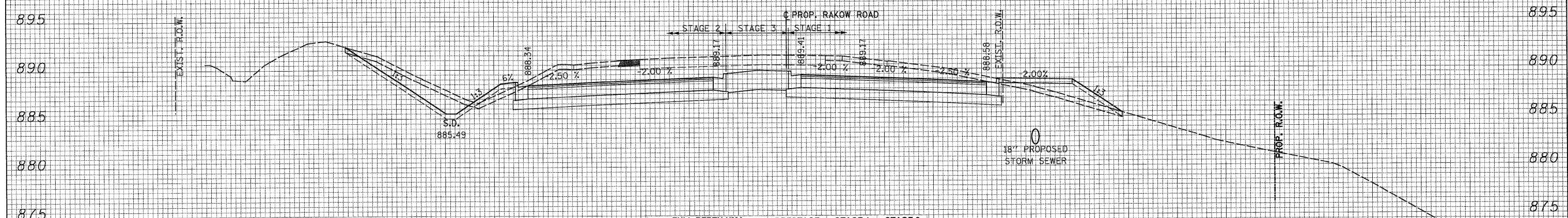
COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
161+00.00 UNSUITABLE	0.00	34.65	31.44
EXCAVATION	0.00	101.52	226.22
EMBANKMENT	0.00	34.54	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
161+00.00 UNSUITABLE	0.00	34.65	31.44
EXCAVATION	0.00	118.91	243.33
EMBANKMENT	0.00	34.54	0.00

ALL UNITS ARE SQ FT

DATE \_\_\_\_\_  
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 ORIGINAL SURVEY PLOTTED \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
160+00.00 UNSUITABLE	0.00	31.07	32.39
EXCAVATION	0.00	124.10	205.05
EMBANKMENT	0.00	23.69	5.77

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
160+00.00 UNSUITABLE	0.00	31.07	32.39
EXCAVATION	0.00	141.51	222.06
EMBANKMENT	0.00	23.69	5.77

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

SCALE: 1H:2V SHEET NO. STA. 160+00.00 TO STA. 161+00.00

RAKOW ROAD  
 CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	471

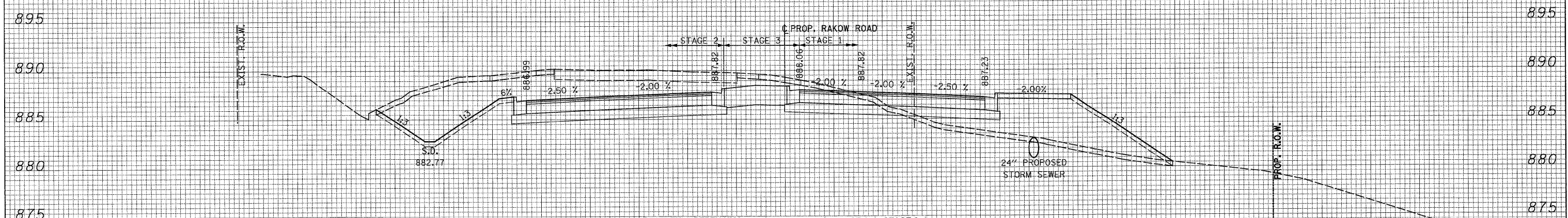
CONTRACT NO. 63398  
 ILLINOIS FED. AID PROJECT

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
162+71.59 UNSUITABLE	0.00	40.90	23.89
EXCAVATION	0.00	33.81	294.38
EMBANKMENT	0.00	153.95	0.00

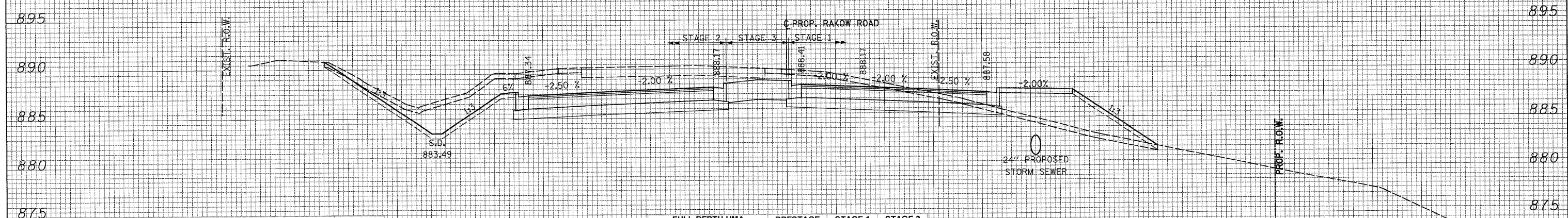
ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
162+71.59 UNSUITABLE	0.00	40.90	23.89
EXCAVATION	0.00	43.13	311.40
EMBANKMENT	0.00	145.83	0.00

ALL UNITS ARE SQ FT

**162 + 71.59**

DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
162+00.00 UNSUITABLE	0.00	39.17	30.60
EXCAVATION	0.00	70.68	247.38
EMBANKMENT	0.00	79.46	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
162+00.00 UNSUITABLE	0.00	39.17	30.60
EXCAVATION	0.00	88.19	264.49
EMBANKMENT	0.00	79.71	0.00

ALL UNITS ARE SQ FT

**162 + 00.00**

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**MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION**

**RAKOW ROAD  
 CROSS SECTIONS**

SCALE: 1H:2V SHEET NO. STA. 162+00.00 TO STA. 162+71.59

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	472
			CONTRACT NO. 63398	

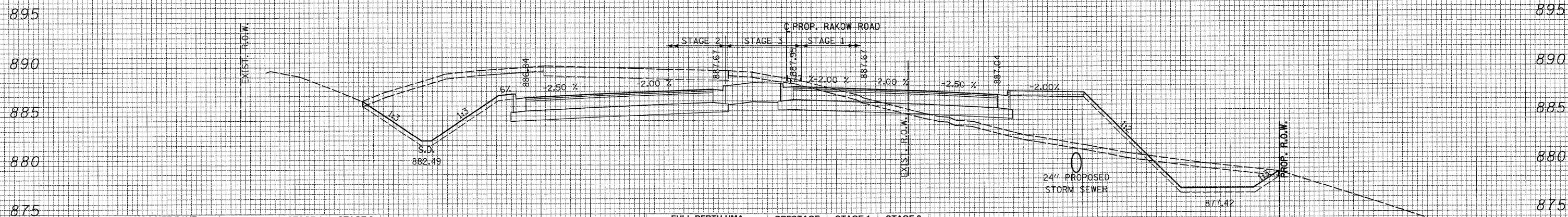
ILLINOIS FED. AID PROJECT

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 NOTE BOOK \_\_\_\_\_  
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
163+00.00 UNSUITABLE	0.00	51.12	24.85
EXCAVATION	0.00	73.59	308.50
EMBANKMENT	0.00	134.94	0.00

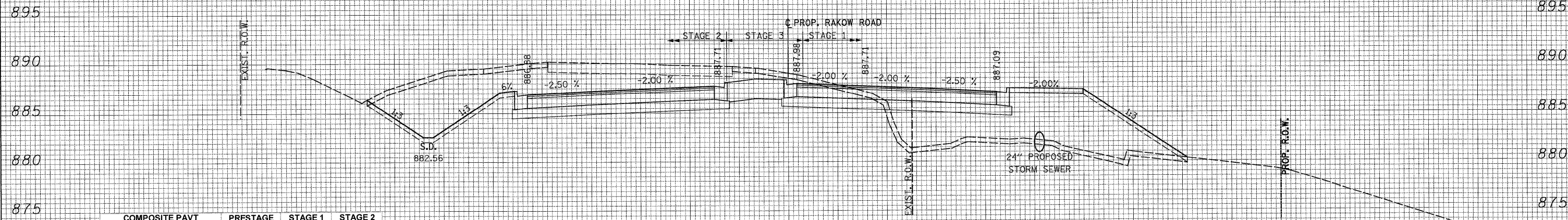
ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
163+00.00 UNSUITABLE	0.00	51.12	24.85
EXCAVATION	0.00	83.34	325.51
EMBANKMENT	0.00	125.85	0.00

ALL UNITS ARE SQ FT

163 + 00.00

DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
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 NOTE BOOK \_\_\_\_\_  
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
162+92.64 UNSUITABLE	0.00	45.35	24.52
EXCAVATION	0.00	30.25	305.40
EMBANKMENT	0.00	244.52	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
162+92.64 UNSUITABLE	0.00	45.35	24.52
EXCAVATION	0.00	38.70	322.44
EMBANKMENT	0.00	234.45	0.00

ALL UNITS ARE SQ FT

162 + 92.64

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 162+92.64 TO STA. 163+00.00

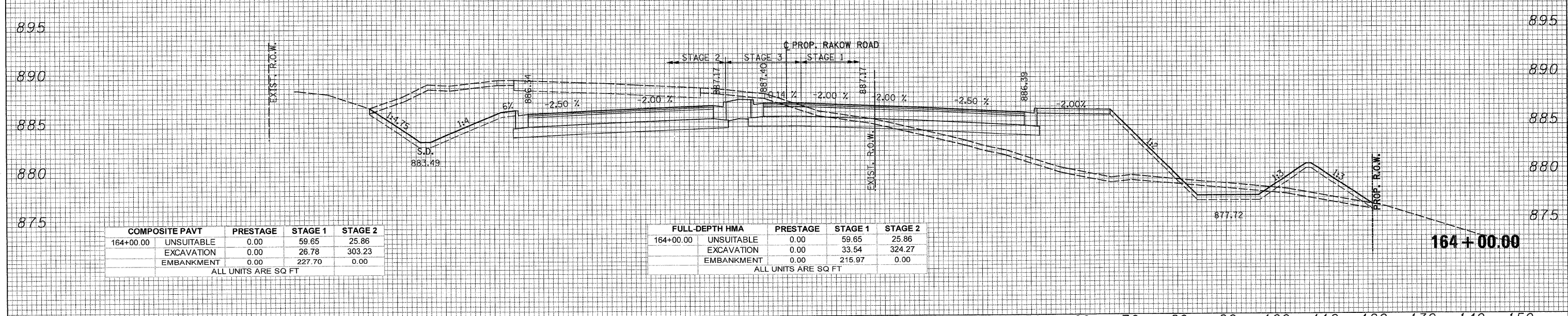
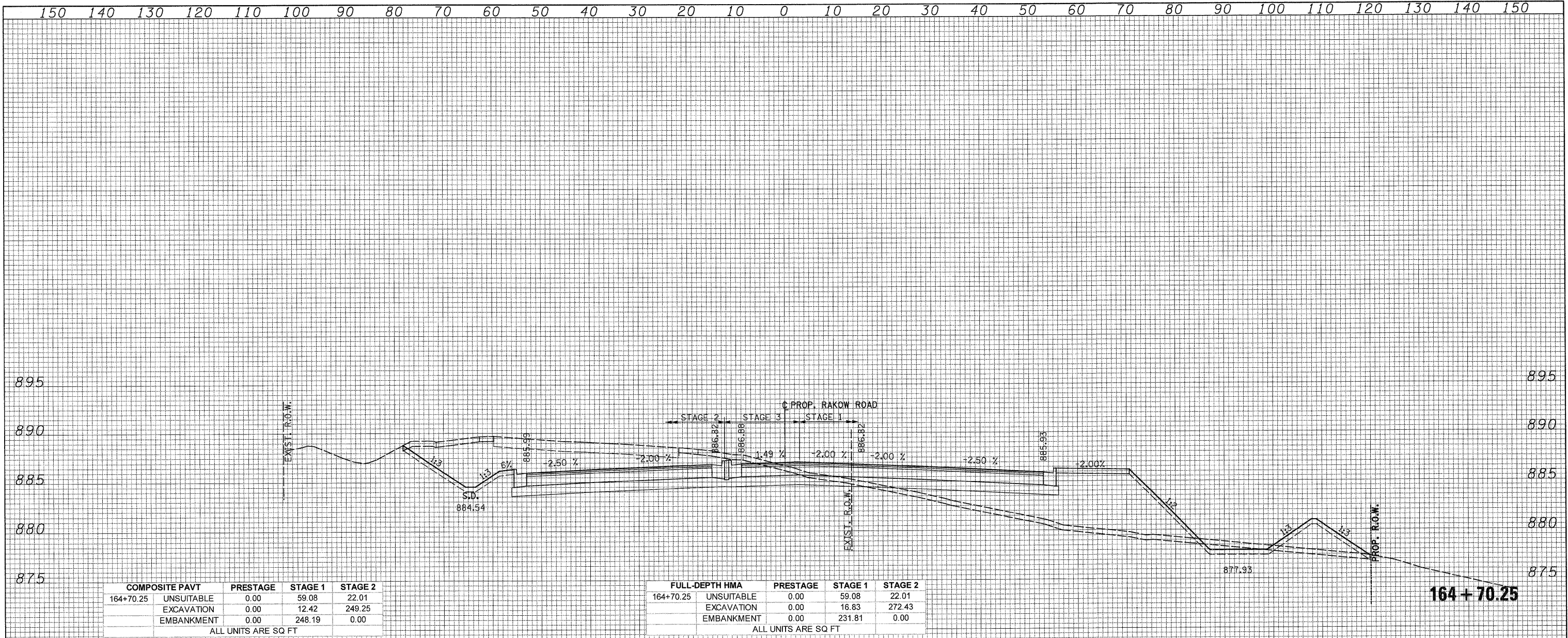
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0336	05-00308-00-WR	MCHENRY	606	473
			CONTRACT NO. 63398	

ILLINOIS FED. AID PROJECT



DATE	
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FINAL SURVEY	
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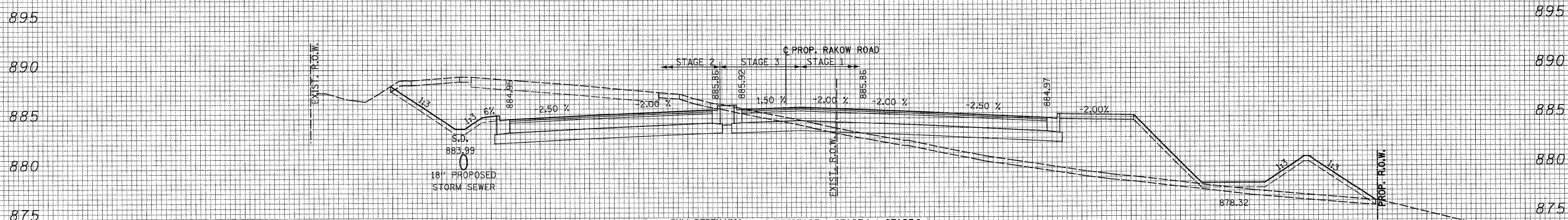


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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
166+00.00 UNSUITABLE	0.00	58.99	23.11
EXCAVATION	0.00	0.10	259.01
EMBANKMENT	0.00	115.13	0.00

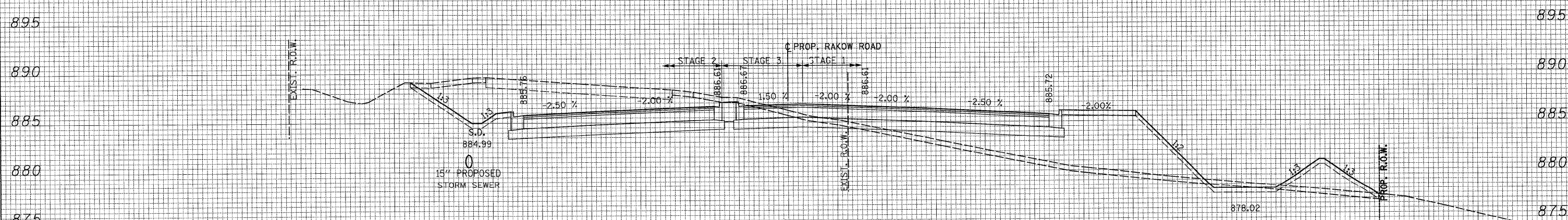
ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
166+00.00 UNSUITABLE	0.00	58.99	23.11
EXCAVATION	0.00	1.47	282.73
EMBANKMENT	0.00	263.52	0.00

ALL UNITS ARE SQ FT

166+00.00

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
165+00.00 UNSUITABLE	0.00	72.73	7.70
EXCAVATION	0.00	9.32	232.92
EMBANKMENT	0.00	250.62	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
165+00.00 UNSUITABLE	0.00	72.73	7.70
EXCAVATION	0.00	12.83	255.67
EMBANKMENT	0.00	233.32	0.00

ALL UNITS ARE SQ FT

165+00.00

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 165+00.00 TO STA. 166+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	475

CONTRACT NO. 63398  
 ILLINOIS FED. AID PROJECT

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
168+63.18 UNSUITABLE	0.00	0.00	0.00
EXCAVATION	0.00	0.00	0.00
EMBANKMENT	0.00	0.00	0.00
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
168+63.18 UNSUITABLE	0.00	0.00	0.00
EXCAVATION	0.00	0.00	0.00
EMBANKMENT	0.00	0.00	0.00
ALL UNITS ARE SQ FT			

**168 + 63.18**

COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
167+93.43 UNSUITABLE	0.00	62.44	20.87
EXCAVATION	0.00	57.39	325.13
EMBANKMENT	0.00	84.36	0.00
ALL UNITS ARE SQ FT			

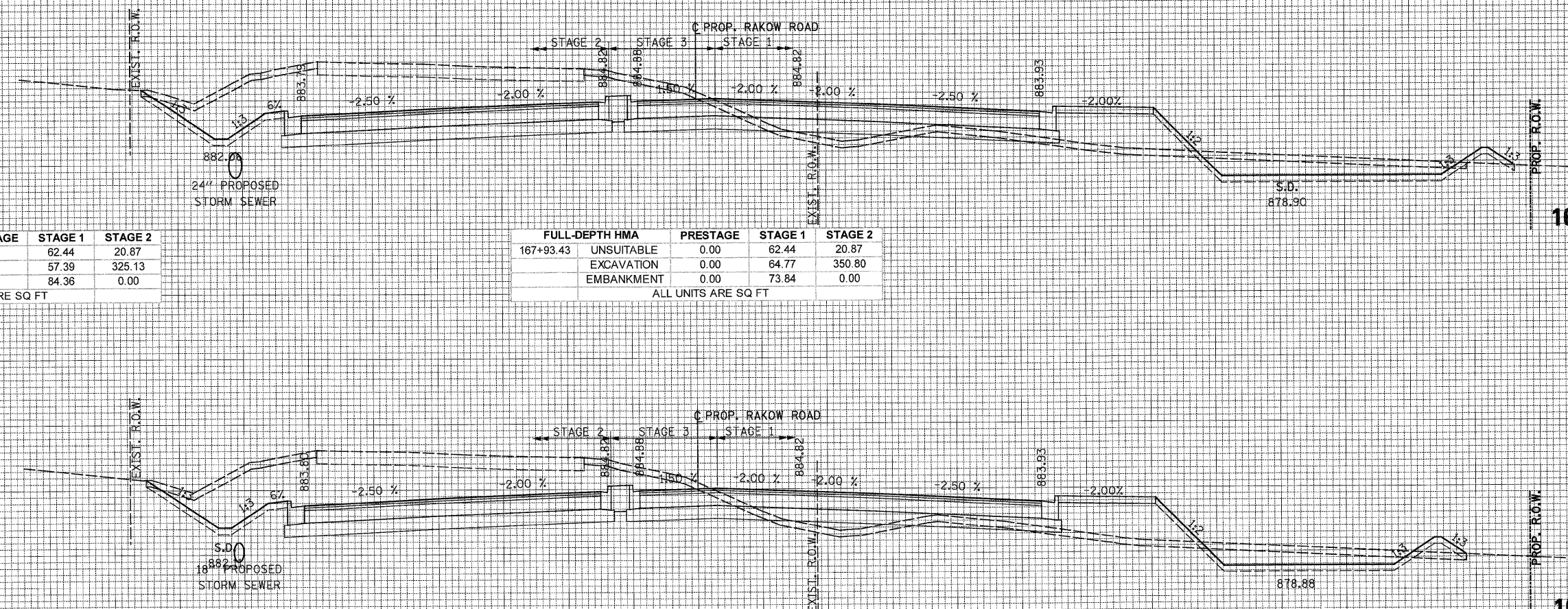
FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
167+93.43 UNSUITABLE	0.00	62.44	20.87
EXCAVATION	0.00	64.77	350.80
EMBANKMENT	0.00	73.84	0.00
ALL UNITS ARE SQ FT			

**167 + 93.43**

COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
167+88.00 UNSUITABLE	0.00	58.35	24.74
EXCAVATION	0.00	44.27	320.26
EMBANKMENT	0.00	90.21	0.00
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
167+88.00 UNSUITABLE	0.00	58.35	24.74
EXCAVATION	0.00	50.94	345.80
EMBANKMENT	0.00	75.84	0.00
ALL UNITS ARE SQ FT			

**167 + 88.00**



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**MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION**

**RAKOW ROAD  
 CROSS SECTIONS**  
 SCALE: 1H:2V SHEET NO. STA. 167+88.00 TO STA. 168+63.18

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 63398
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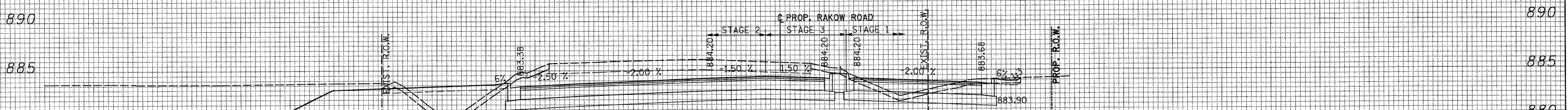
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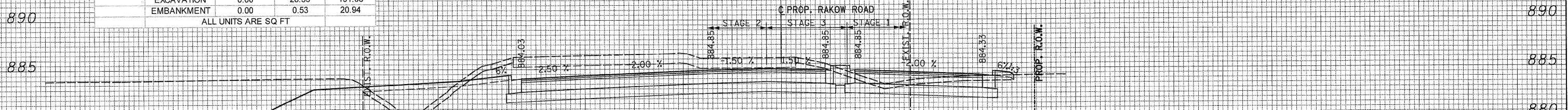


COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
172+00.00 UNSUITABLE	0.00	19.39	23.79
EXCAVATION	0.00	28.53	191.08
EMBANKMENT	0.00	0.53	20.94

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
172+00.00 UNSUITABLE	0.00	19.39	23.79
EXCAVATION	0.00	40.16	217.66
EMBANKMENT	0.00	0.00	20.94

ALL UNITS ARE SQ FT

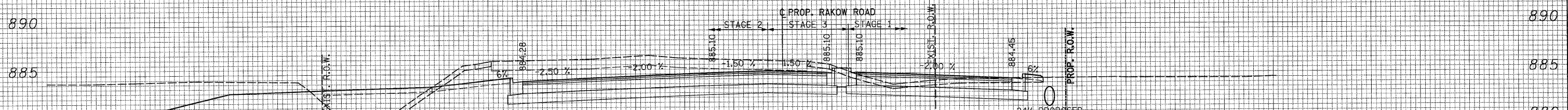


COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
170+91.71 UNSUITABLE	0.00	17.28	23.61
EXCAVATION	0.00	26.08	186.64
EMBANKMENT	0.00	1.22	27.01

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
170+91.71 UNSUITABLE	0.00	17.28	23.61
EXCAVATION	0.00	37.95	212.87
EMBANKMENT	0.00	1.22	27.01

ALL UNITS ARE SQ FT



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
170+50.08 UNSUITABLE	0.00	20.08	19.48
EXCAVATION	0.00	36.89	101.48
EMBANKMENT	0.00	0.94	27.03

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
170+50.08 UNSUITABLE	0.00	20.08	19.48
EXCAVATION	0.00	51.15	230.87
EMBANKMENT	0.00	0.94	27.03

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 170+50.08 TO STA. 172+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	477

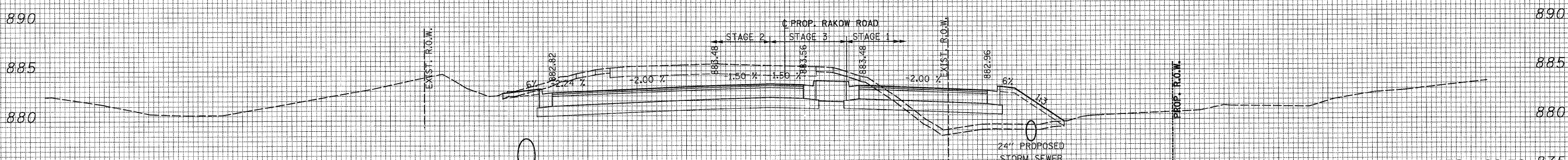
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
173+20.52 UNSUITABLE	0.00	23.96	14.40
EXCAVATION	0.00	18.03	192.23
EMBANKMENT	0.00	67.66	0.00

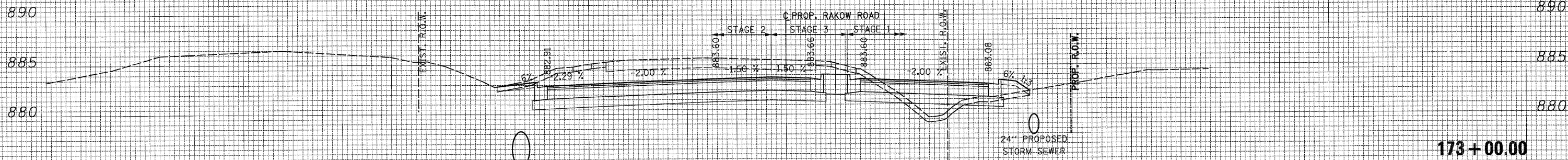
ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
173+20.52 UNSUITABLE	0.00	23.96	14.40
EXCAVATION	0.00	22.67	214.71
EMBANKMENT	0.00	59.92	0.00

ALL UNITS ARE SQ FT

173+20.52

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
173+00.00 UNSUITABLE	0.00	20.75	14.62
EXCAVATION	0.00	16.22	191.34
EMBANKMENT	0.00	24.46	0.00

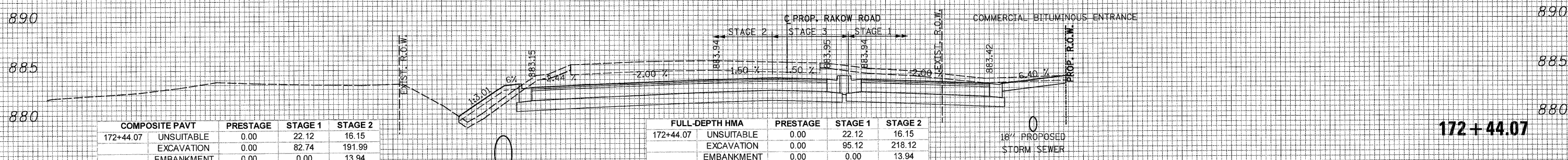
ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
173+00.00 UNSUITABLE	0.00	20.75	14.62
EXCAVATION	0.00	23.13	214.93
EMBANKMENT	0.00	19.16	0.00

ALL UNITS ARE SQ FT

173+00.00

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
172+44.07 UNSUITABLE	0.00	22.12	16.15
EXCAVATION	0.00	82.74	191.99
EMBANKMENT	0.00	0.00	13.94

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
172+44.07 UNSUITABLE	0.00	22.12	16.15
EXCAVATION	0.00	95.12	218.12
EMBANKMENT	0.00	0.00	13.94

ALL UNITS ARE SQ FT

172+44.07

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 DATE - 8/2/2010



MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

SCALE: 1H:2V SHEET NO. STA. 172+44.07 TO STA. 173+20.52

RAKOW ROAD  
 CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	478

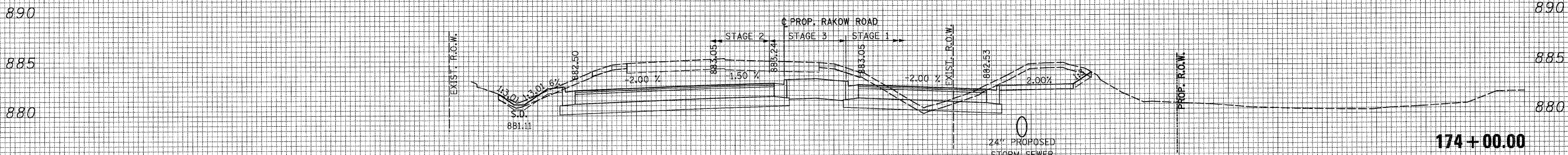
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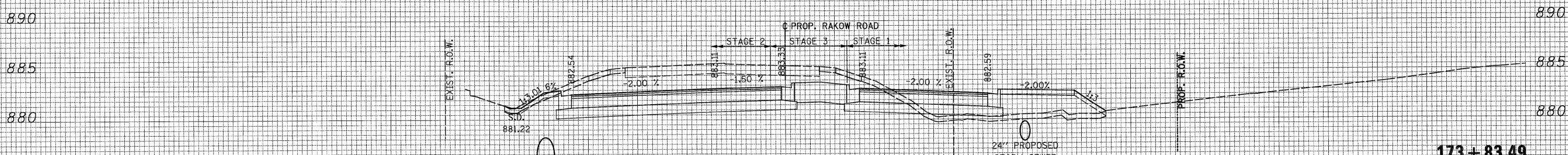
COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
174+00.00 UNSUITABLE	0.00	27.28	16.74
EXCAVATION	0.00	67.46	192.06
EMBANKMENT	0.00	2.37	0.33

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
174+00.00 UNSUITABLE	0.00	27.28	16.74
EXCAVATION	0.00	78.00	210.37
EMBANKMENT	0.00	0.44	0.31

ALL UNITS ARE SQ FT

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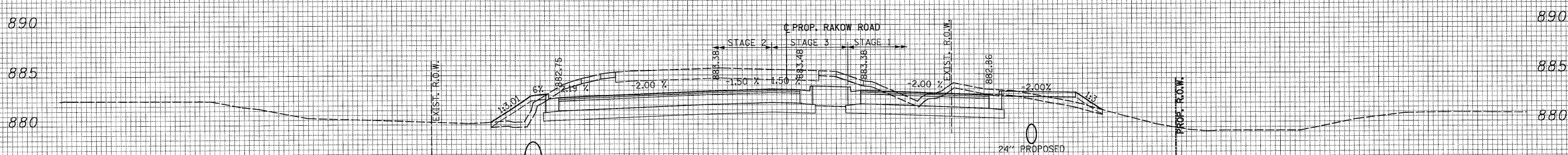
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173+83.49 UNSUITABLE	0.00	27.66	15.95
EXCAVATION	0.00	24.61	191.62
EMBANKMENT	0.00	58.32	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
173+83.49 UNSUITABLE	0.00	27.66	15.95
EXCAVATION	0.00	30.26	210.84
EMBANKMENT	0.00	51.70	0.00

ALL UNITS ARE SQ FT

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
173+36.07 UNSUITABLE	0.00	27.25	17.66
EXCAVATION	0.00	58.32	190.55
EMBANKMENT	0.00	8.71	12.82

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
173+36.07 UNSUITABLE	0.00	27.25	17.66
EXCAVATION	0.00	70.69	212.11
EMBANKMENT	0.00	8.71	12.82

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 173+36.07 TO STA. 174+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	479

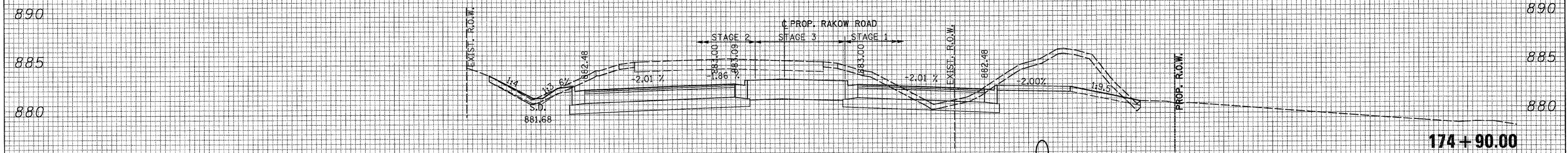
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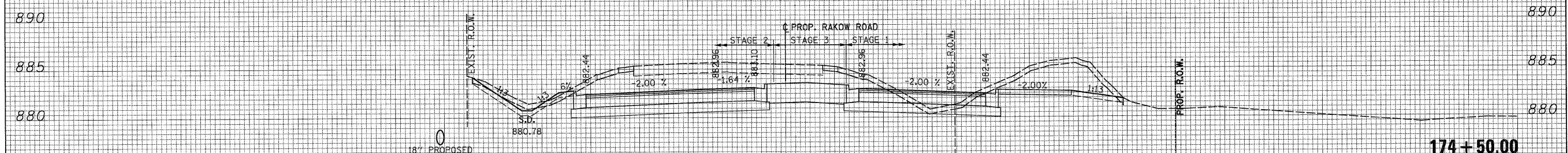
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
174+90.00 UNSUITABLE	0.00	35.63	18.53
EXCAVATION	0.00	110.89	187.22
EMBANKMENT	0.00	0.72	0.96
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
174+90.00 UNSUITABLE	0.00	35.63	18.53
EXCAVATION	0.00	119.46	201.58
EMBANKMENT	0.00	0.00	0.96
ALL UNITS ARE SQ FT			

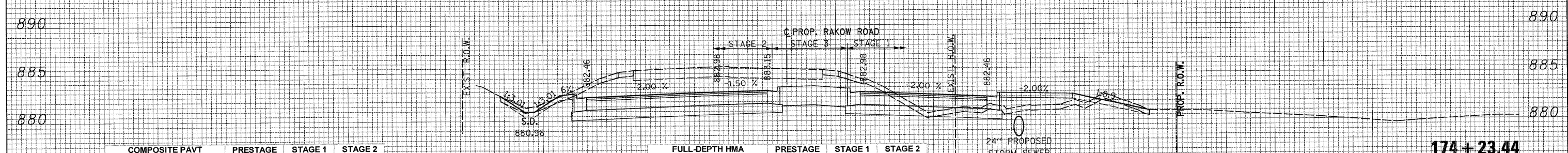
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
174+50.00 UNSUITABLE	0.00	34.73	20.43
EXCAVATION	0.00	98.24	198.13
EMBANKMENT	0.00	1.15	0.99
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
174+50.00 UNSUITABLE	0.00	34.73	20.43
EXCAVATION	0.00	109.36	214.24
EMBANKMENT	0.00	0.01	0.99
ALL UNITS ARE SQ FT			

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
174+23.44 UNSUITABLE	0.00	26.29	17.14
EXCAVATION	0.00	29.87	192.32
EMBANKMENT	0.00	22.53	0.21
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
174+23.44 UNSUITABLE	0.00	33.65	17.14
EXCAVATION	0.00	40.76	209.32
EMBANKMENT	0.00	22.52	0.21
ALL UNITS ARE SQ FT			

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 174+23.44 TO STA. 174+90.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 63398
ILLINOIS FED. AID PROJECT				

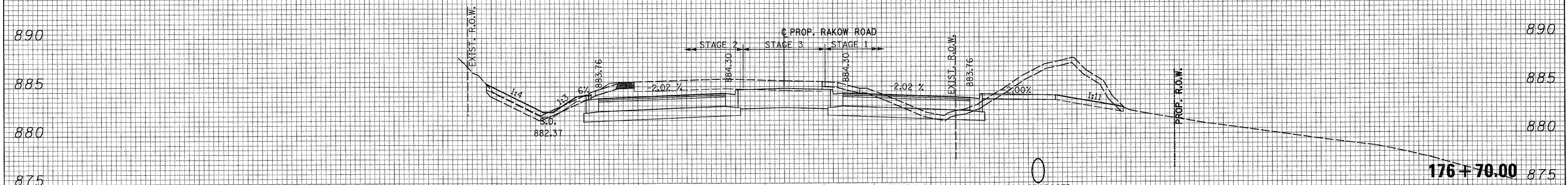
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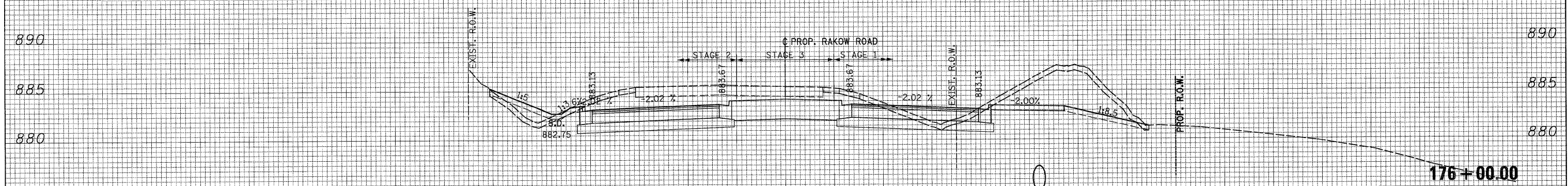


COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
176+70.00 UNSUITABLE	0.00	35.13	16.72
EXCAVATION	0.00	92.03	112.36
EMBANKMENT	2.41	2.30	6.53

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
176+70.00 UNSUITABLE	0.00	35.13	16.72
EXCAVATION	0.00	101.88	124.37
EMBANKMENT	2.41	0.75	6.53

ALL UNITS ARE SQ FT

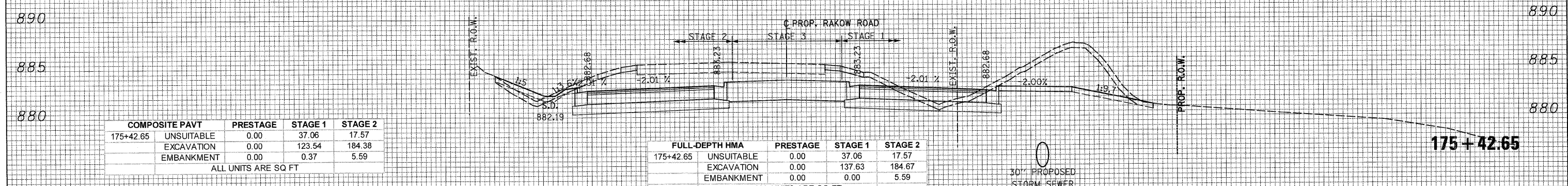


COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
176+00.00 UNSUITABLE	0.00	37.28	17.83
EXCAVATION	0.00	126.01	144.33
EMBANKMENT	0.00	0.67	12.08

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
176+00.00 UNSUITABLE	0.00	37.28	17.83
EXCAVATION	0.00	132.71	157.67
EMBANKMENT	0.00	0.00	12.04

ALL UNITS ARE SQ FT



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
175+42.65 UNSUITABLE	0.00	37.06	17.57
EXCAVATION	0.00	123.54	184.38
EMBANKMENT	0.00	0.37	5.59

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
175+42.65 UNSUITABLE	0.00	37.06	17.57
EXCAVATION	0.00	137.63	184.67
EMBANKMENT	0.00	0.00	5.59

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 175+42.65 TO STA. 176+70.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63398			ILLINOIS FED. AID PROJECT	

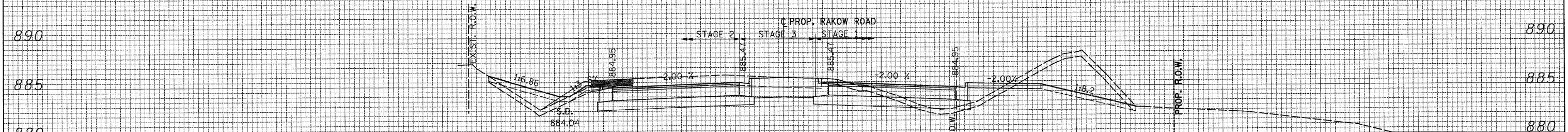
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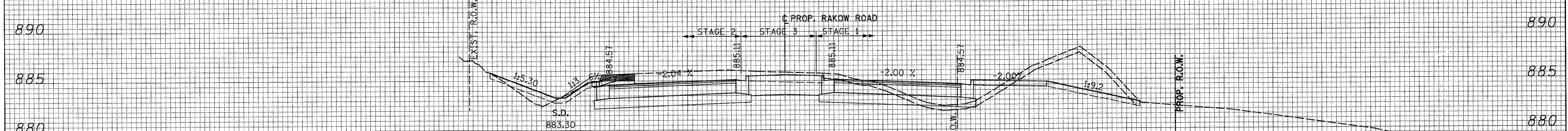


COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
178+00.00 UNSUITABLE	5.76	36.47	10.76
EXCAVATION	0.00	76.79	70.72
EMBANKMENT	11.71	18.77	16.63

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
178+00.00 UNSUITABLE	5.76	36.47	10.76
EXCAVATION	0.00	84.42	83.39
EMBANKMENT	11.71	14.01	16.63

ALL UNITS ARE SQ FT

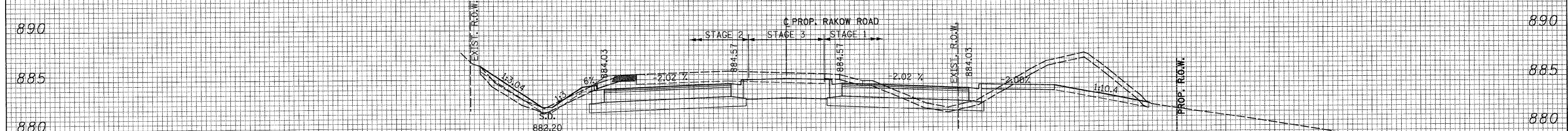


COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
177+59.75 UNSUITABLE	0.00	36.71	16.34
EXCAVATION	0.00	81.62	82.21
EMBANKMENT	7.56	15.60	11.07

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
177+59.75 UNSUITABLE	0.00	36.71	16.34
EXCAVATION	0.00	89.28	94.39
EMBANKMENT	7.56	11.09	11.13

ALL UNITS ARE SQ FT



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
177+00.00 UNSUITABLE	0.00	36.89	18.06
EXCAVATION	0.00	89.20	100.13
EMBANKMENT	3.84	7.15	8.17

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
177+00.00 UNSUITABLE	0.00	36.89	18.06
EXCAVATION	0.00	98.26	112.71
EMBANKMENT	3.84	5.82	8.17

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

SCALE: 1H:2V SHEET NO. STA. 177+00.00 TO STA. 178+00.00

RAKOW ROAD  
 CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63398			ILLINOIS FED. AID PROJECT	

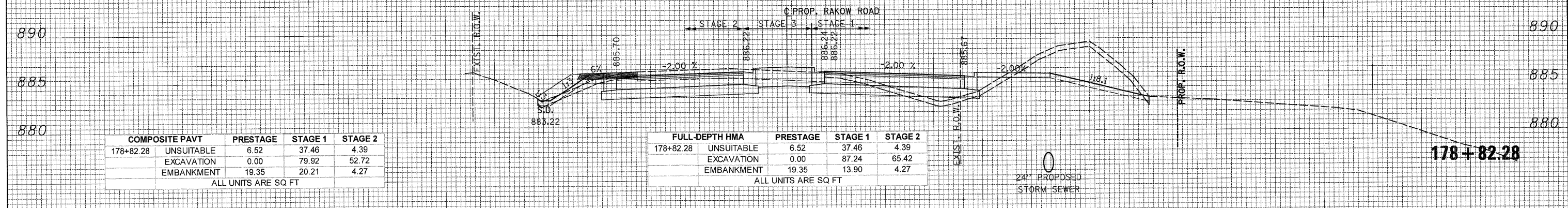
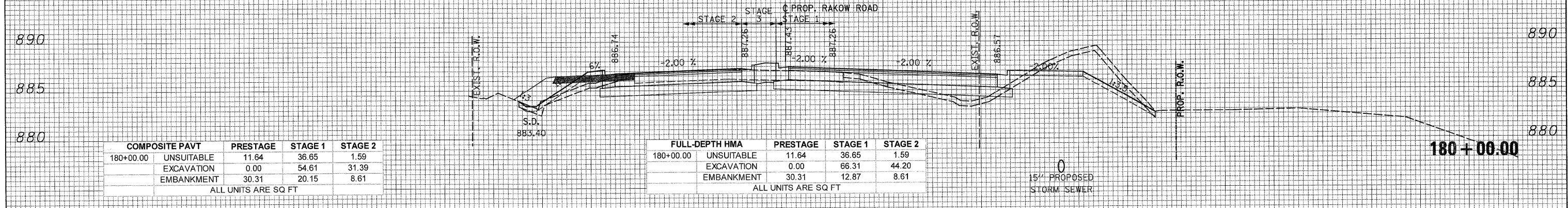
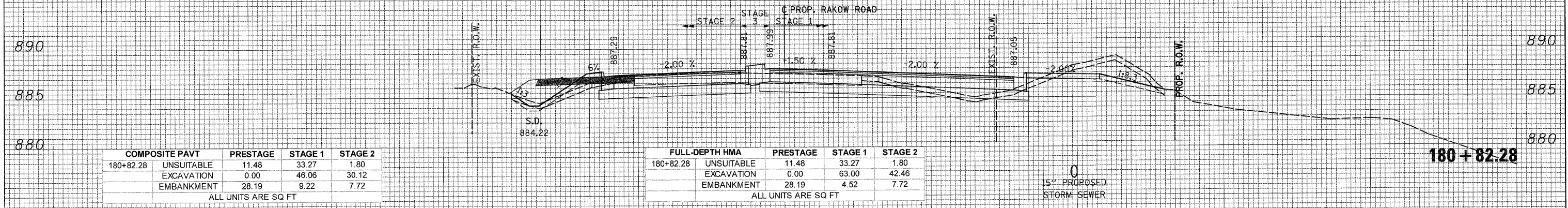
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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 178+82.28 TO STA. 180+82.28

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 63398	
ILLINOIS FED. AID PROJECT				

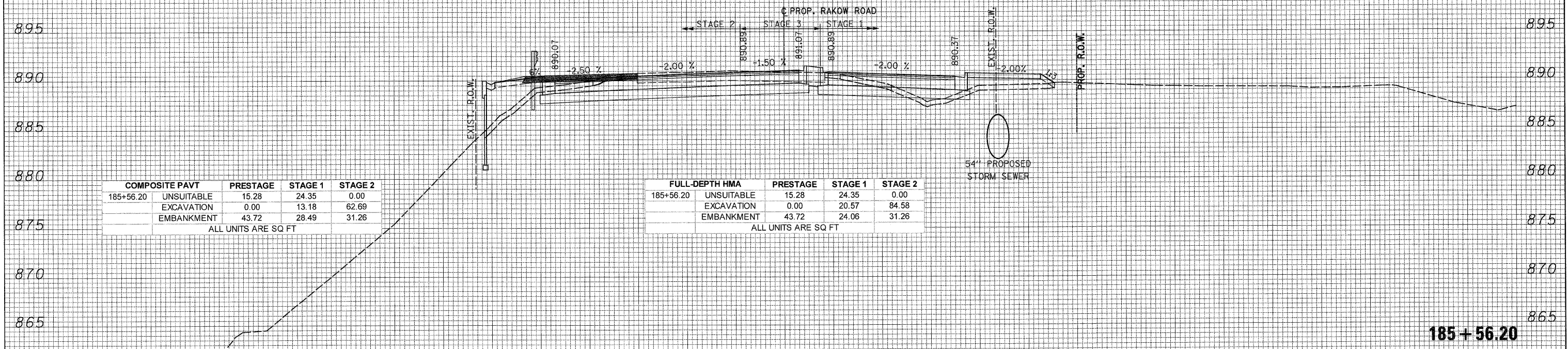
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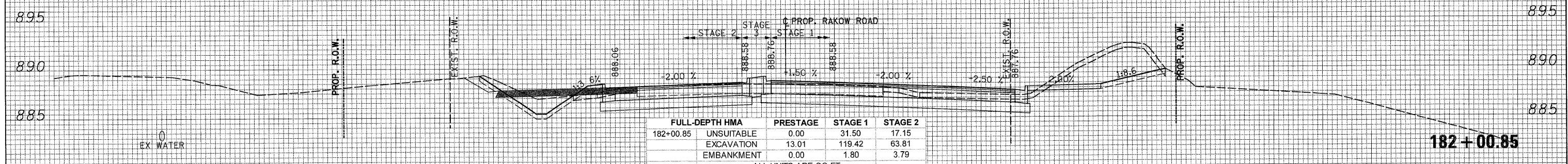


COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
185+56.20 UNSUITABLE	15.28	24.35	0.00
EXCAVATION	0.00	13.18	62.69
EMBANKMENT	43.72	28.49	31.26

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
185+56.20 UNSUITABLE	15.28	24.35	0.00
EXCAVATION	0.00	20.57	84.58
EMBANKMENT	43.72	24.06	31.26

ALL UNITS ARE SQ FT

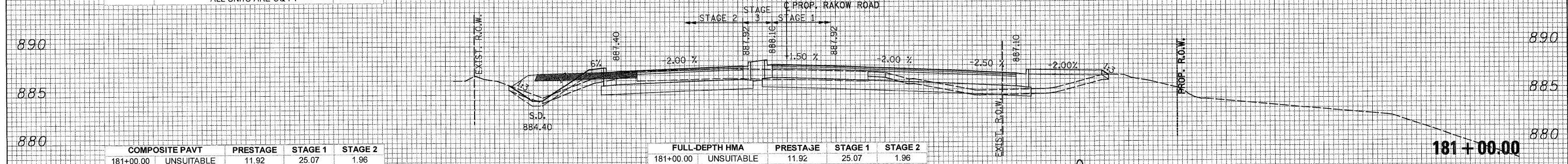


COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
182+00.85 UNSUITABLE	0.00	31.50	17.15
EXCAVATION	13.01	97.98	51.47
EMBANKMENT	0.00	1.80	3.79

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
182+00.85 UNSUITABLE	0.00	31.50	17.15
EXCAVATION	13.01	119.42	63.81
EMBANKMENT	0.00	1.80	3.79

ALL UNITS ARE SQ FT



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
181+00.00 UNSUITABLE	11.92	25.07	1.96
EXCAVATION	0.00	17.92	30.74
EMBANKMENT	27.69	27.64	7.07

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
181+00.00 UNSUITABLE	11.92	25.07	1.96
EXCAVATION	0.00	34.31	42.87
EMBANKMENT	27.69	22.34	7.07

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS  
 SCALE: 1H:2V  
 SHEET NO.  
 STA. 181+00.00 TO STA. 185+56.20

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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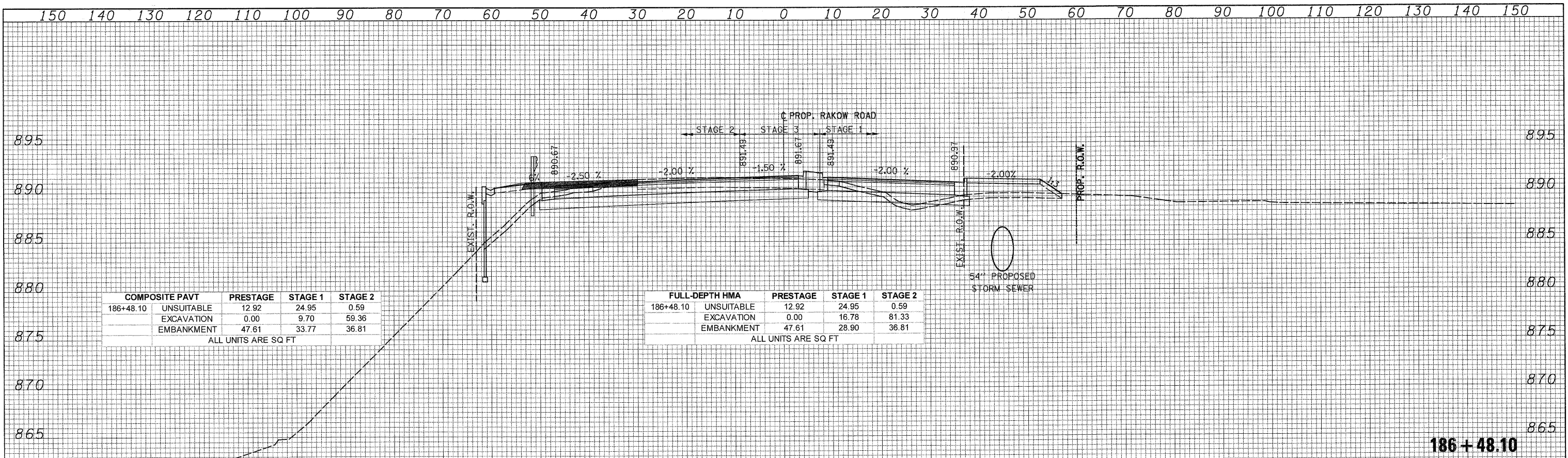
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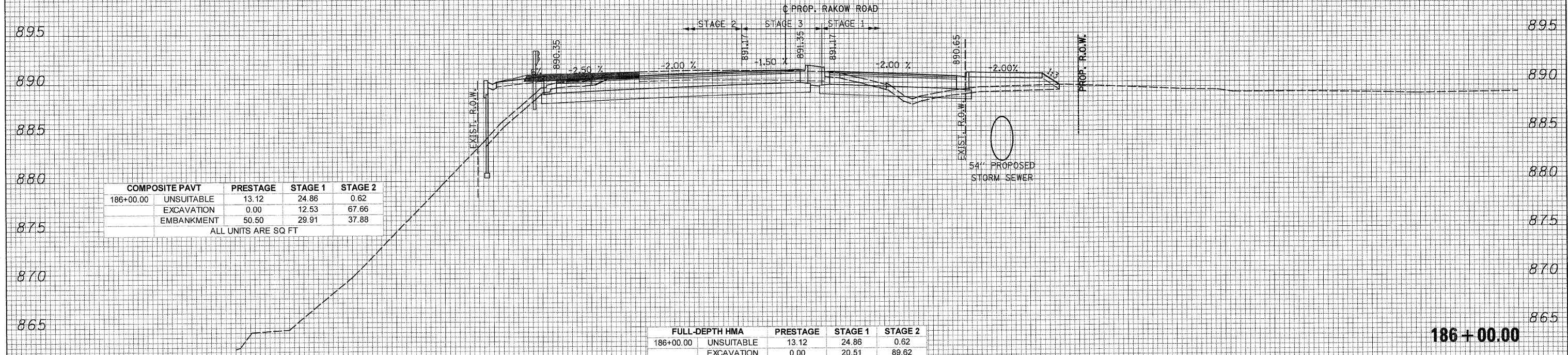
COMPOSITE PAVT		PRESTAGE	STAGE 1	STAGE 2
186+48.10	UNSUITABLE	12.92	24.95	0.59
	EXCAVATION	0.00	9.70	59.36
	EMBANKMENT	47.61	33.77	36.81

ALL UNITS ARE SQ FT

FULL-DEPTH HMA		PRESTAGE	STAGE 1	STAGE 2
186+48.10	UNSUITABLE	12.92	24.95	0.59
	EXCAVATION	0.00	16.78	81.33
	EMBANKMENT	47.61	28.90	36.81

ALL UNITS ARE SQ FT

**186+48.10**



COMPOSITE PAVT		PRESTAGE	STAGE 1	STAGE 2
186+00.00	UNSUITABLE	13.12	24.86	0.62
	EXCAVATION	0.00	12.53	67.66
	EMBANKMENT	50.50	29.91	37.88

ALL UNITS ARE SQ FT

FULL-DEPTH HMA		PRESTAGE	STAGE 1	STAGE 2
186+00.00	UNSUITABLE	13.12	24.86	0.62
	EXCAVATION	0.00	20.51	89.62
	EMBANKMENT	50.50	25.90	37.88

ALL UNITS ARE SQ FT

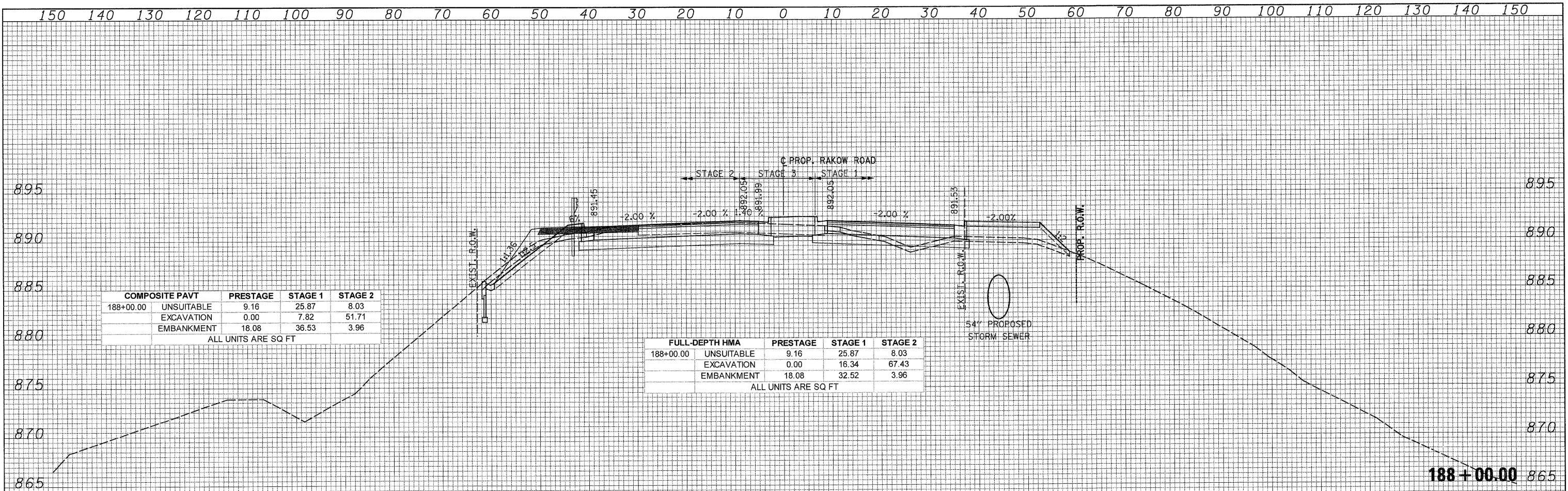
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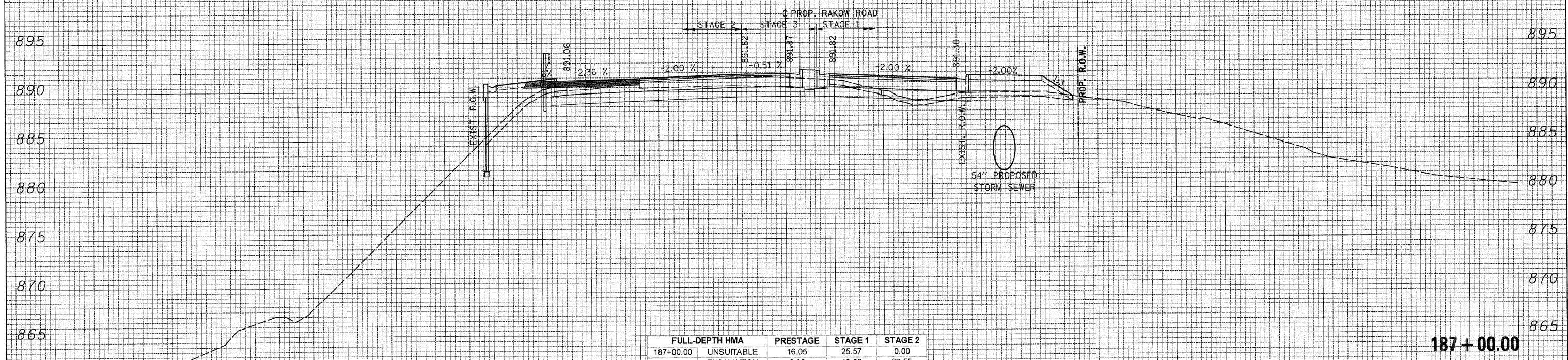


COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
188+00.00 UNSUITABLE	9.16	25.87	8.03
EXCAVATION	0.00	7.82	51.71
EMBANKMENT	18.08	36.53	3.96

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
188+00.00 UNSUITABLE	9.16	25.87	8.03
EXCAVATION	0.00	16.34	67.43
EMBANKMENT	18.08	32.52	3.96

ALL UNITS ARE SQ FT



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
187+00.00 UNSUITABLE	16.05	25.57	0.00
EXCAVATION	0.00	6.61	47.48
EMBANKMENT	40.13	40.20	35.53

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
187+00.00 UNSUITABLE	16.05	25.57	0.00
EXCAVATION	0.00	13.86	67.55
EMBANKMENT	40.13	34.97	35.53

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS  
 SCALE: 1H:2V SHEET NO. STA. 187+00.00 TO STA. 188+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63398  
 ILLINOIS FED. AID PROJECT

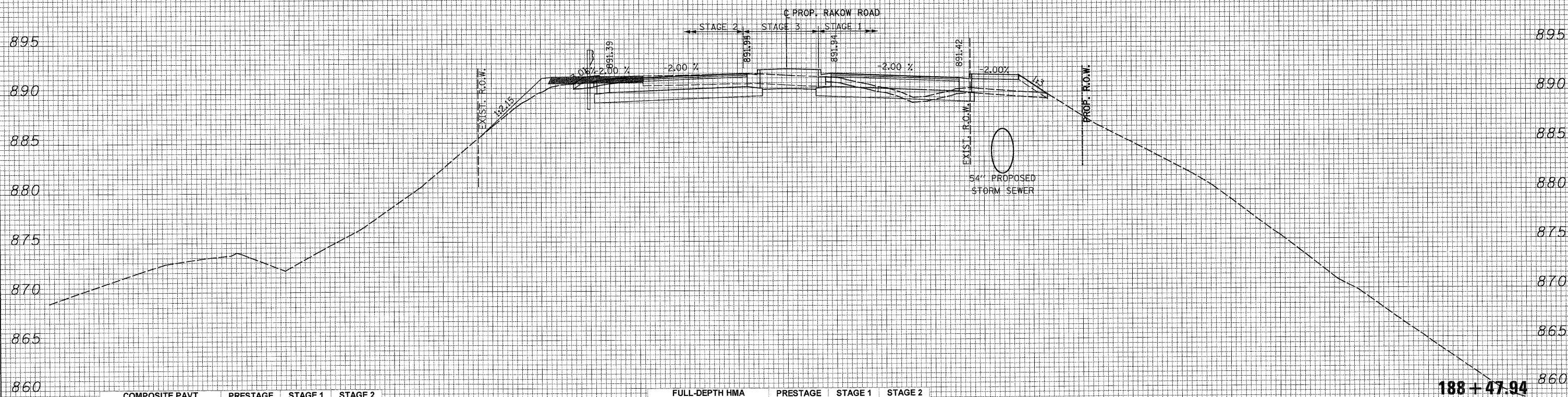
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
188+47.94 UNSUITABLE	7.14	22.94	7.14
EXCAVATION	0.00	10.68	43.14
EMBANKMENT	14.24	23.64	2.31

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
188+47.94 UNSUITABLE	7.14	22.94	7.14
EXCAVATION	0.00	19.76	56.63
EMBANKMENT	14.24	20.53	2.46

ALL UNITS ARE SQ FT

188 + 47.94

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V

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STA. 188+47.94 TO STA. 188+47.94

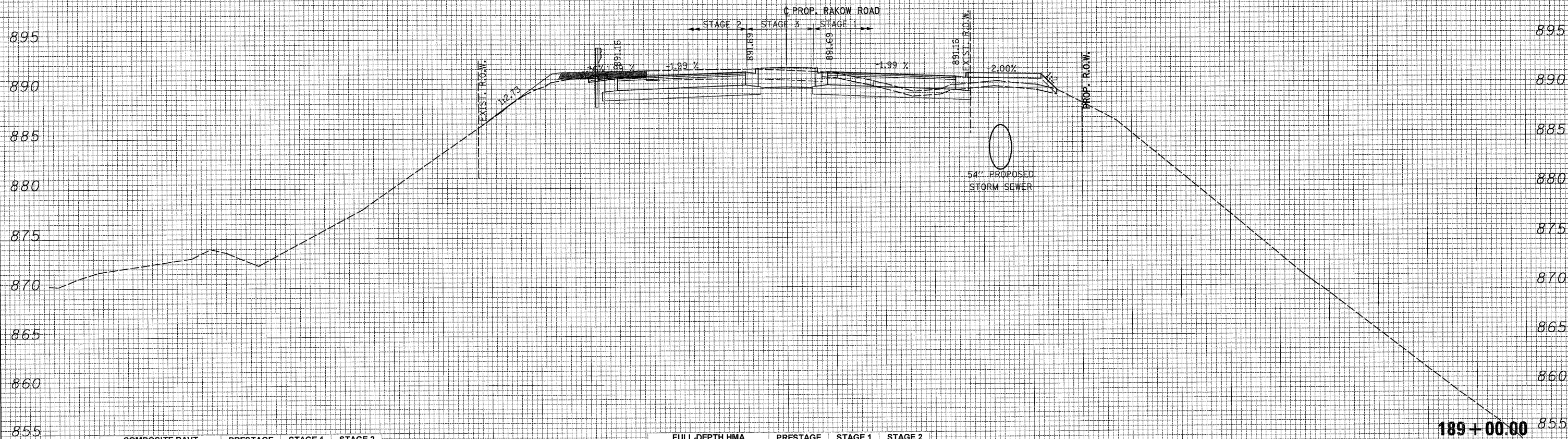
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ILLINOIS FED. AID PROJECT				



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ORIGINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
189+00.00 UNSUITABLE	0.00	24.30	5.91
EXCAVATION	0.00	18.43	55.62
EMBANKMENT	5.17	17.16	0.49
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
189+00.00 UNSUITABLE	0.00	24.30	5.91
EXCAVATION	0.00	30.11	68.20
EMBANKMENT	5.17	16.93	0.53
ALL UNITS ARE SQ FT			

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 DATE - 8/2/2010

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V

SHEET NO.

STA. 189+00.00 TO STA. 189+00.00

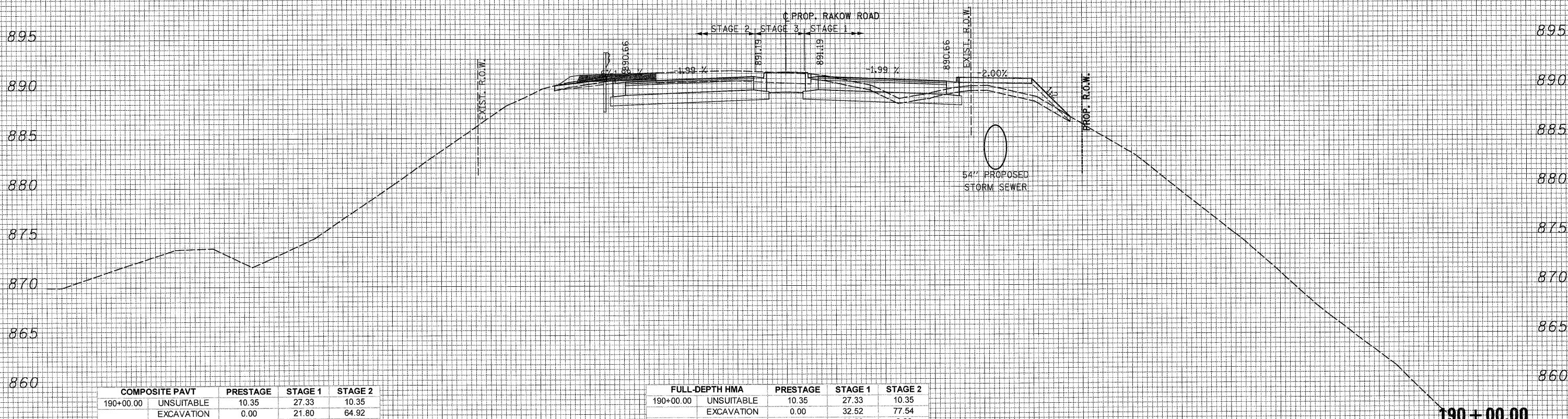
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0336	05-00308-00-WR	MCHENRY	606	488
			CONTRACT NO. 63398	
ILLINOIS FED. AID PROJECT				



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ORIGINAL SURVEY	SURVEYED	DATE
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
190+00.00 UNSUITABLE	10.35	27.33	10.35
EXCAVATION	0.00	21.80	64.92
EMBANKMENT	5.03	22.36	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
190+00.00 UNSUITABLE	10.35	27.33	10.35
EXCAVATION	0.00	32.52	77.54
EMBANKMENT	5.03	22.52	0.00

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. 190+00.00 190+00.00

F.A. RTE. 0336	SECTION 05-00308-00-WR	COUNTY MCHENRY	TOTAL SHEETS 606	SHEET NO. 489
CONTRACT NO. 63398				
ILLINOIS FED. AID PROJECT				

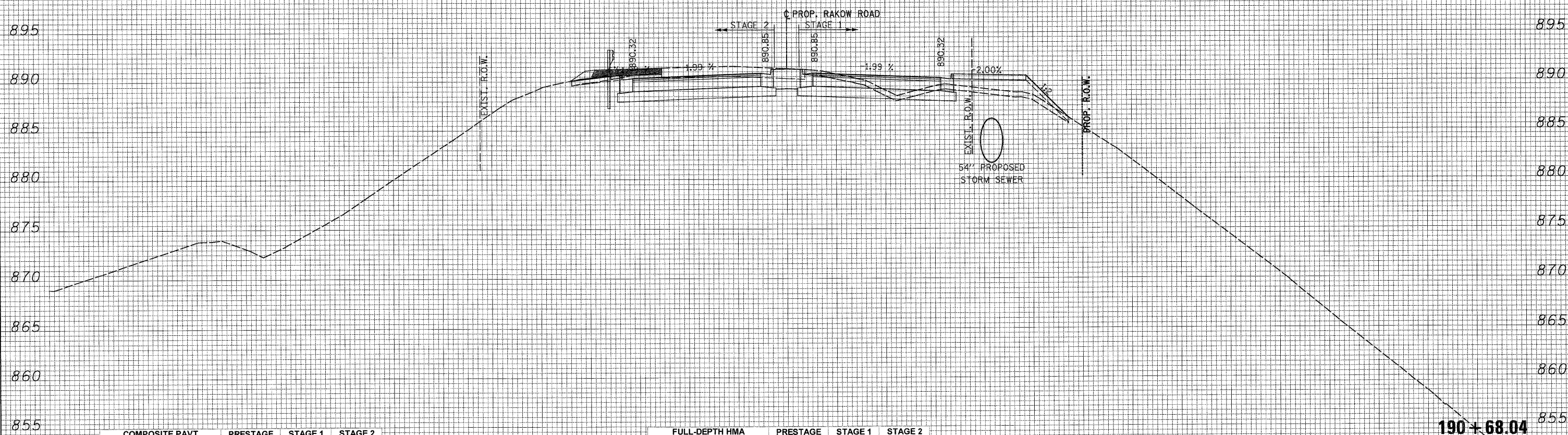
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ORIGINAL SURVEY	
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
190+68.04 UNSUITABLE	9.25	28.08	9.25
EXCAVATION	0.00	25.18	65.87
EMBANKMENT	7.19	30.72	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
190+68.04 UNSUITABLE	9.25	28.08	9.25
EXCAVATION	0.00	35.90	78.49
EMBANKMENT	7.19	29.30	0.00

ALL UNITS ARE SQ FT

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**MCHENRY COUNTY  
DIVISION OF TRANSPORTATION**

<b>RAKOW ROAD CROSS SECTIONS</b>	
SCALE: 1H:2V	SHEET NO.
STA. 190+68.04 TO STA. 190+68.04	

F.A. RTEL. 0336	SECTION 05-00308-00-WR	COUNTY MCHENRY	TOTAL SHEETS 606	SHEET NO. 490
			CONTRACT NO. 63398	
ILLINOIS FED. AID PROJECT				

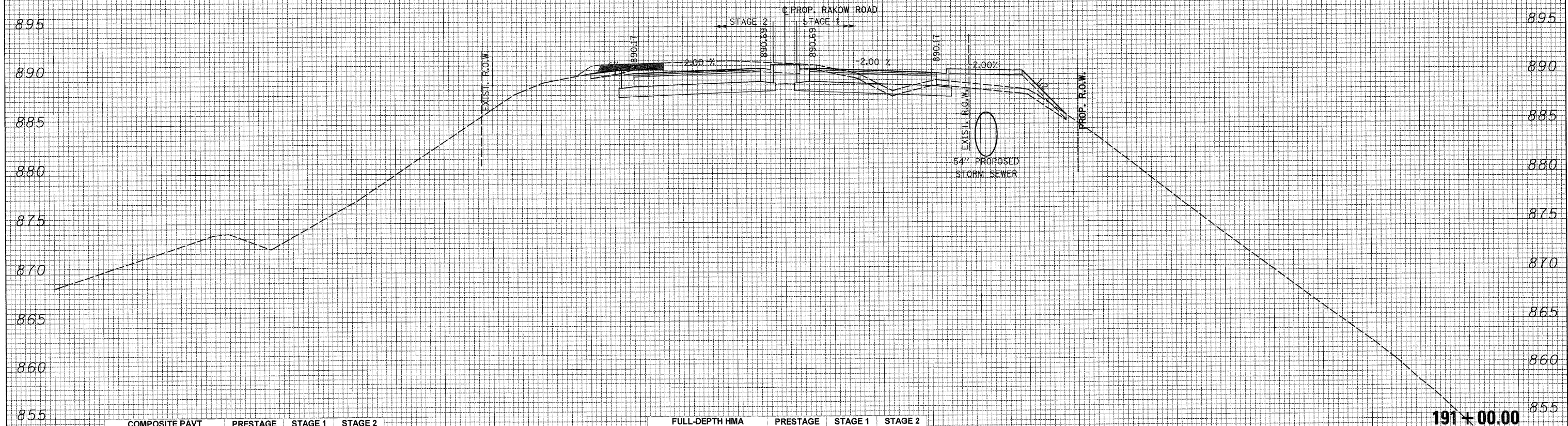
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ORIGINAL SURVEY	SURVEYED	DATE
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
191+00.00 UNSUITABLE	7.52	28.71	7.52
EXCAVATION	0.00	25.24	66.97
EMBANKMENT	6.55	32.14	0.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
191+00.00 UNSUITABLE	7.52	28.71	7.52
EXCAVATION	0.00	36.04	79.71
EMBANKMENT	6.55	30.76	0.00

ALL UNITS ARE SQ FT

191+00.00

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 191+00.00 TO STA. 191+00.00

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 63398	
ILLINOIS FED. AID PROJECT				

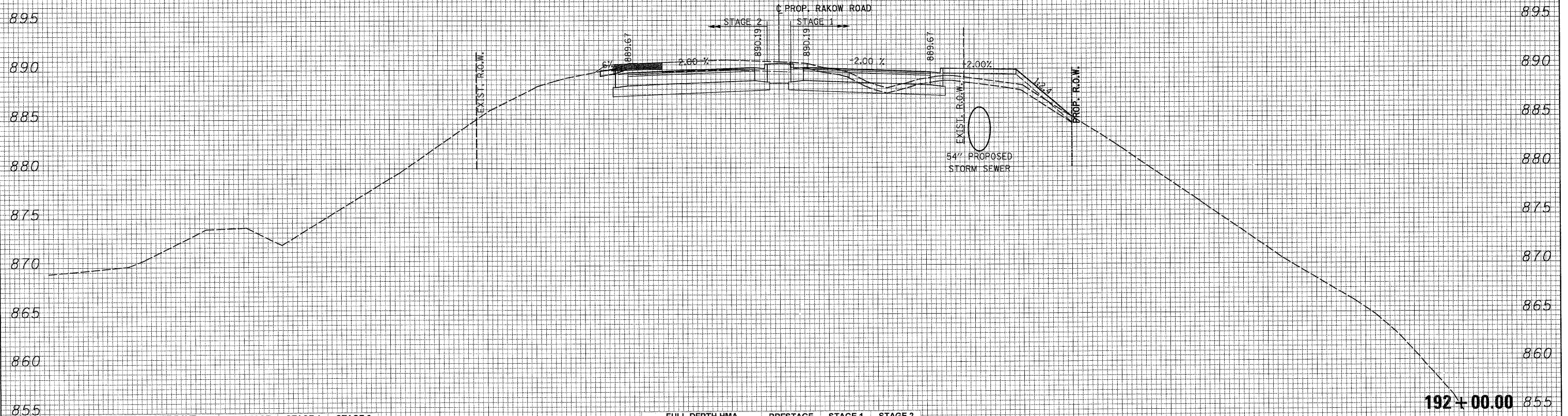
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ORIGINAL SURVEY	SURVEYED	BY	DATE
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
192+00.00 UNSUITABLE	6.47	30.84	6.47
EXCAVATION	0.00	27.16	66.90
EMBANKMENT	3.39	24.56	0.02

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
192+00.00 UNSUITABLE	6.47	30.84	6.47
EXCAVATION	0.00	38.42	79.67
EMBANKMENT	3.39	23.46	0.02

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 192+00.00 TO STA. 192+00.00

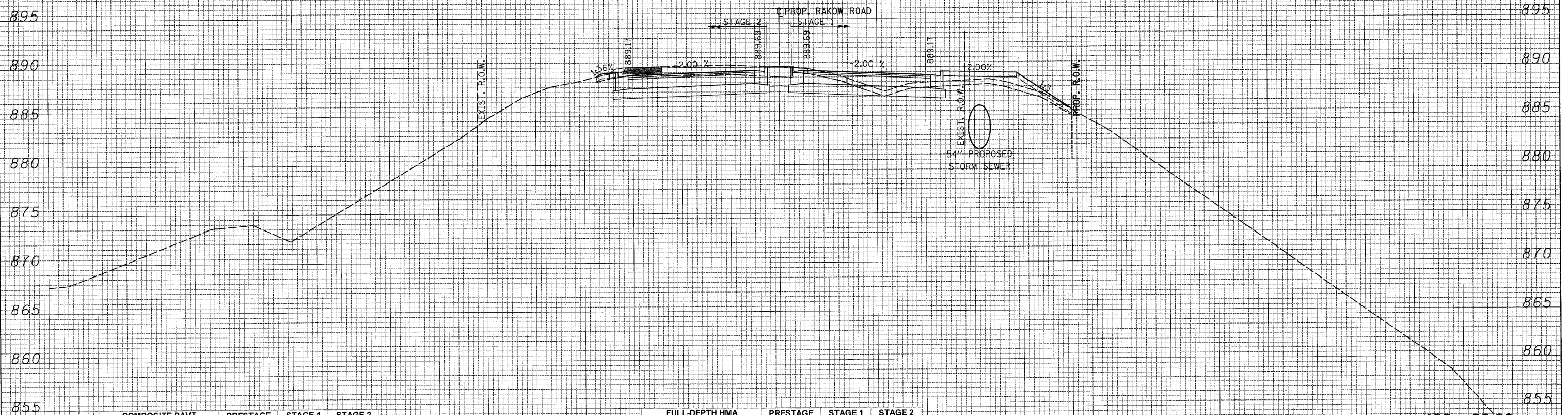
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				CONTRACT NO. 63398
ILLINOIS FED. AID PROJECT				



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NOTE BOOK NO.	PLOTTED	BY
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
193+00.00 UNSUITABLE	6.78	29.86	6.78
EXCAVATION	0.00	23.12	59.09
EMBANKMENT	3.15	20.84	0.49

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
193+00.00 UNSUITABLE	6.78	29.86	6.78
EXCAVATION	0.00	34.43	71.83
EMBANKMENT	3.15	19.67	0.49

ALL UNITS ARE SQ FT

193+00.00

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V

SHEET NO.

STA. 193+00.00 TO STA. 193+00.00

F.A. RTE.  
 0336

SECTION  
 05-00308-00-WR

COUNTY  
 MCHENRY

TOTAL SHEETS  
 606

SHEET NO.  
 493

CONTRACT NO. 63398

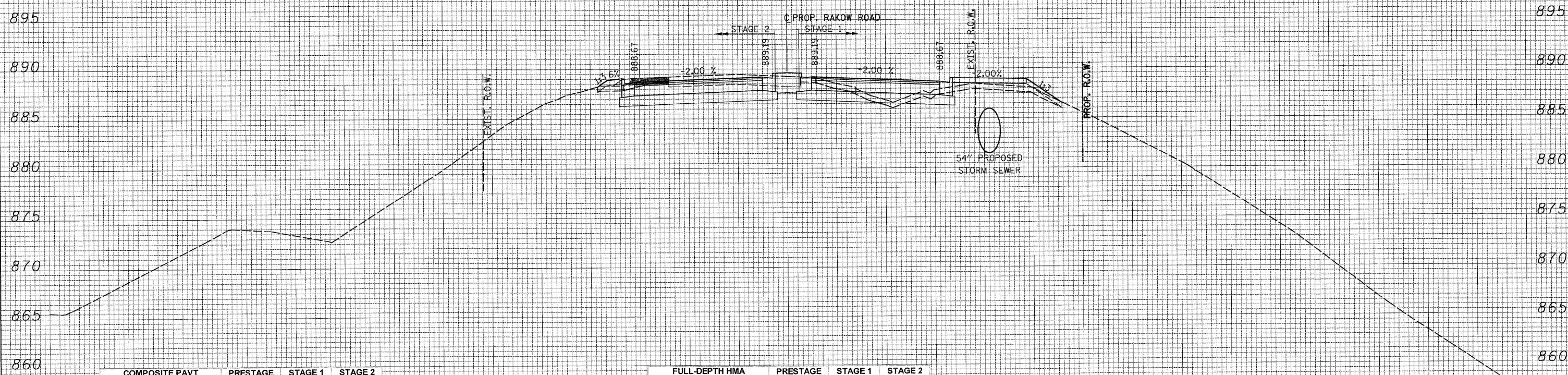
ILLINOIS FED. AID PROJECT



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FINAL SURVEY	SURVEYED	DATE
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
194+00.00 UNSUITABLE	7.33	27.81	7.33
EXCAVATION	0.00	16.15	46.26
EMBANKMENT	3.98	19.16	2.35

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
194+00.00 UNSUITABLE	7.33	27.81	7.33
EXCAVATION	0.00	25.31	58.98
EMBANKMENT	3.98	15.99	2.35

ALL UNITS ARE SQ FT

194 + 00.00

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

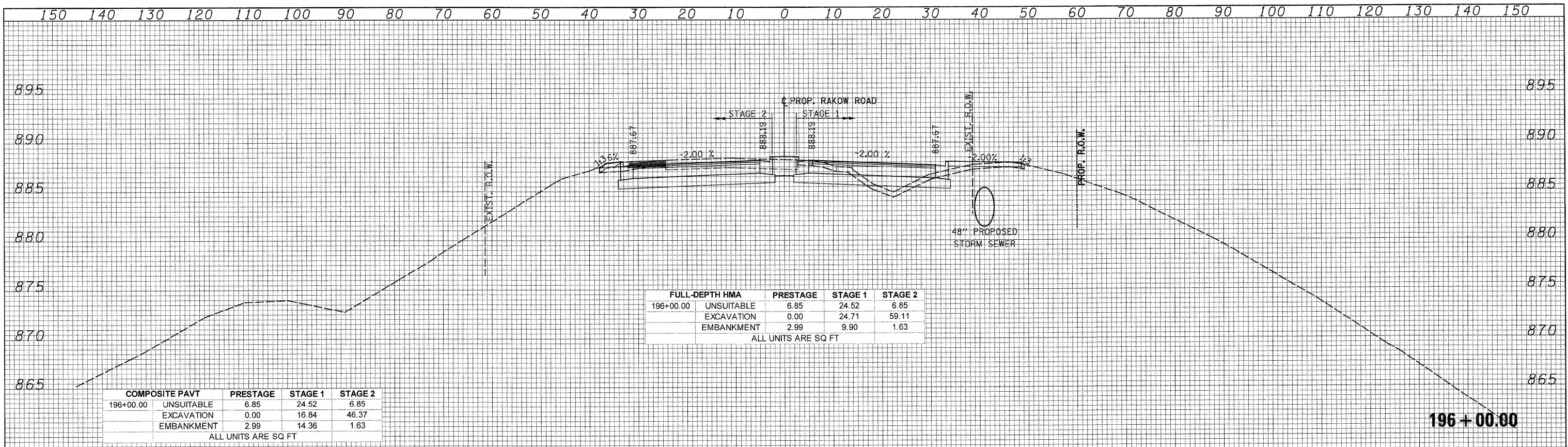
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 63398	
ILLINOIS FED. AID PROJECT				



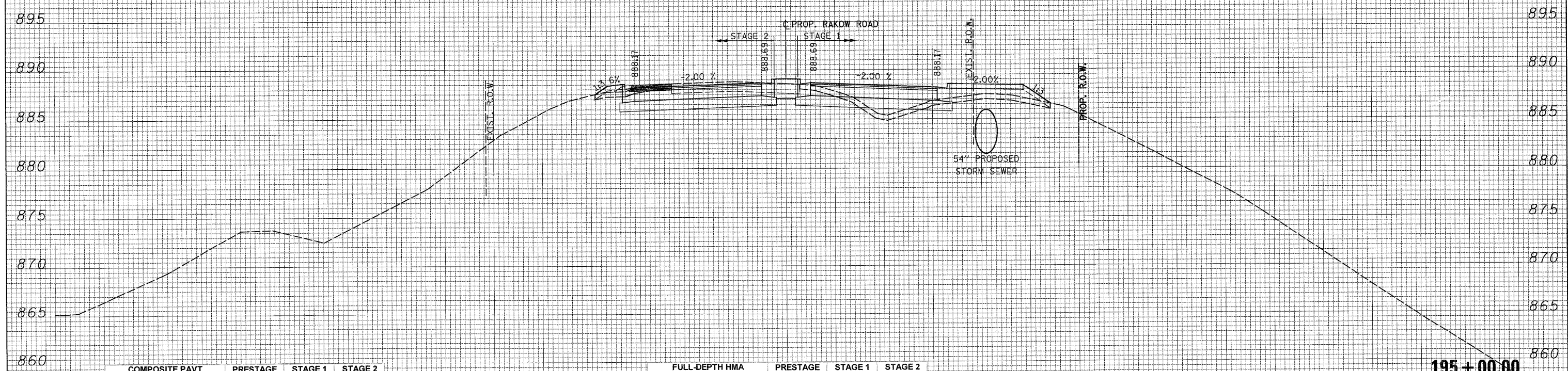
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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
196+00.00 UNSUITABLE	6.85	24.52	6.85
EXCAVATION	0.00	16.84	46.37
EMBANKMENT	2.99	14.36	1.63
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
196+00.00 UNSUITABLE	6.85	24.52	6.85
EXCAVATION	0.00	24.71	59.11
EMBANKMENT	2.99	9.90	1.63
ALL UNITS ARE SQ FT			



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
195+00.00 UNSUITABLE	7.97	26.71	7.97
EXCAVATION	0.00	9.98	41.92
EMBANKMENT	3.70	34.97	2.87
ALL UNITS ARE SQ FT			

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
195+00.00 UNSUITABLE	7.97	26.71	7.97
EXCAVATION	0.00	16.88	54.65
EMBANKMENT	3.70	29.33	2.87
ALL UNITS ARE SQ FT			

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS  
 SCALE: 1H:2V SHEET NO. STA. 195+00.00 TO STA. 196+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	495
CONTRACT NO. 63398				
ILLINOIS FED. AID PROJECT				

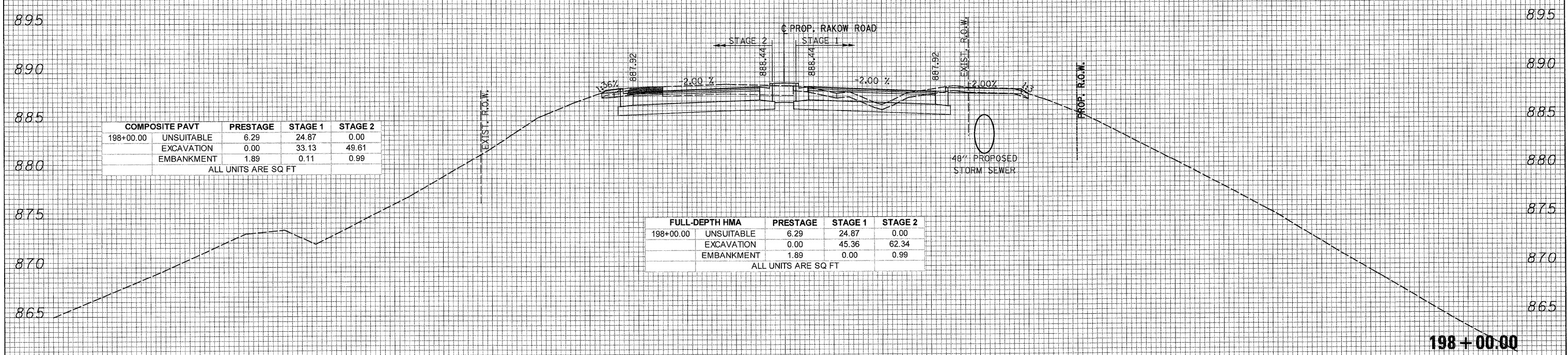
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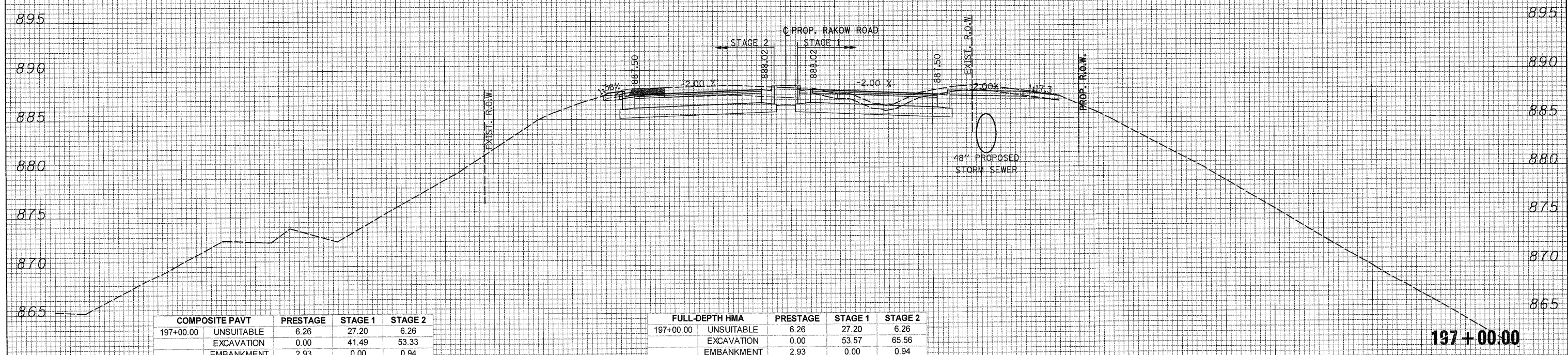


COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
198+00.00 UNSUITABLE	6.29	24.87	0.00
EXCAVATION	0.00	33.13	49.61
EMBANKMENT	1.89	0.11	0.99

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
198+00.00 UNSUITABLE	6.29	24.87	0.00
EXCAVATION	0.00	45.36	62.34
EMBANKMENT	1.89	0.00	0.99

ALL UNITS ARE SQ FT



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
197+00.00 UNSUITABLE	6.26	27.20	6.26
EXCAVATION	0.00	41.49	53.33
EMBANKMENT	2.93	0.00	0.94

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
197+00.00 UNSUITABLE	6.26	27.20	6.26
EXCAVATION	0.00	53.57	65.56
EMBANKMENT	2.93	0.00	0.94

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 197+00.00 TO STA. 198+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	496

CONTRACT NO. 63398  
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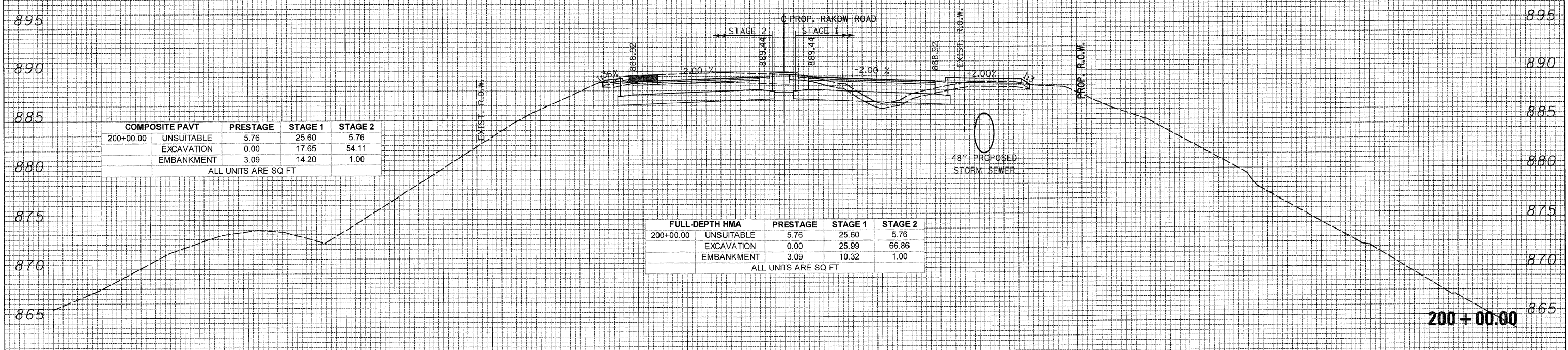
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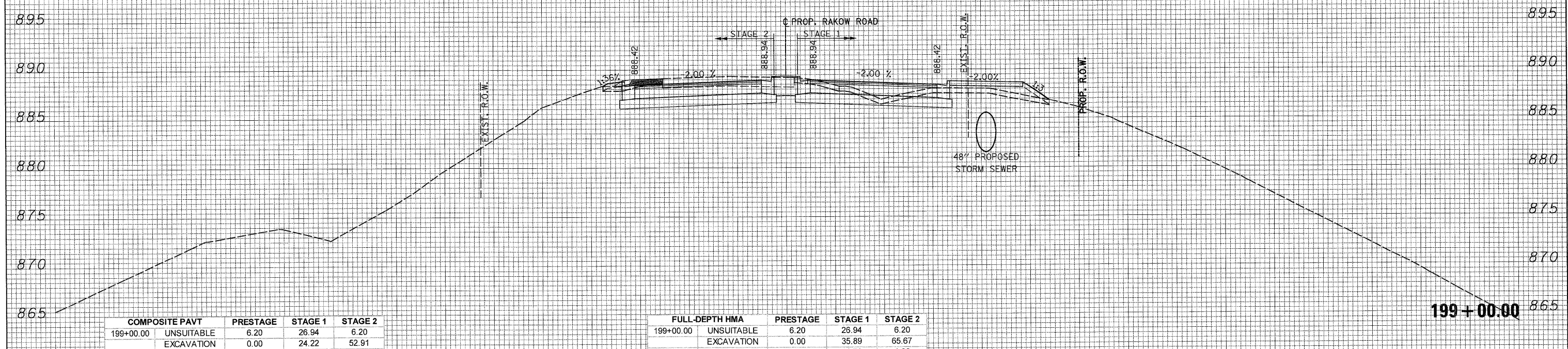


COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
200+00.00 UNSUITABLE	5.76	25.60	5.76
EXCAVATION	0.00	17.65	54.11
EMBANKMENT	3.09	14.20	1.00

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
200+00.00 UNSUITABLE	5.76	25.60	5.76
EXCAVATION	0.00	25.99	66.86
EMBANKMENT	3.09	10.32	1.00

ALL UNITS ARE SQ FT



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
199+00.00 UNSUITABLE	6.20	26.94	6.20
EXCAVATION	0.00	24.22	52.91
EMBANKMENT	3.54	17.26	1.30

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
199+00.00 UNSUITABLE	6.20	26.94	6.20
EXCAVATION	0.00	35.89	65.67
EMBANKMENT	3.54	16.78	1.30

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

SCALE: 1H:2V  
 SHEET NO. \_\_\_\_\_  
 STA. 199+00.00 TO STA. 200+00.00

RAKOW ROAD  
 CROSS SECTIONS

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	497
			CONTRACT NO. 63398	

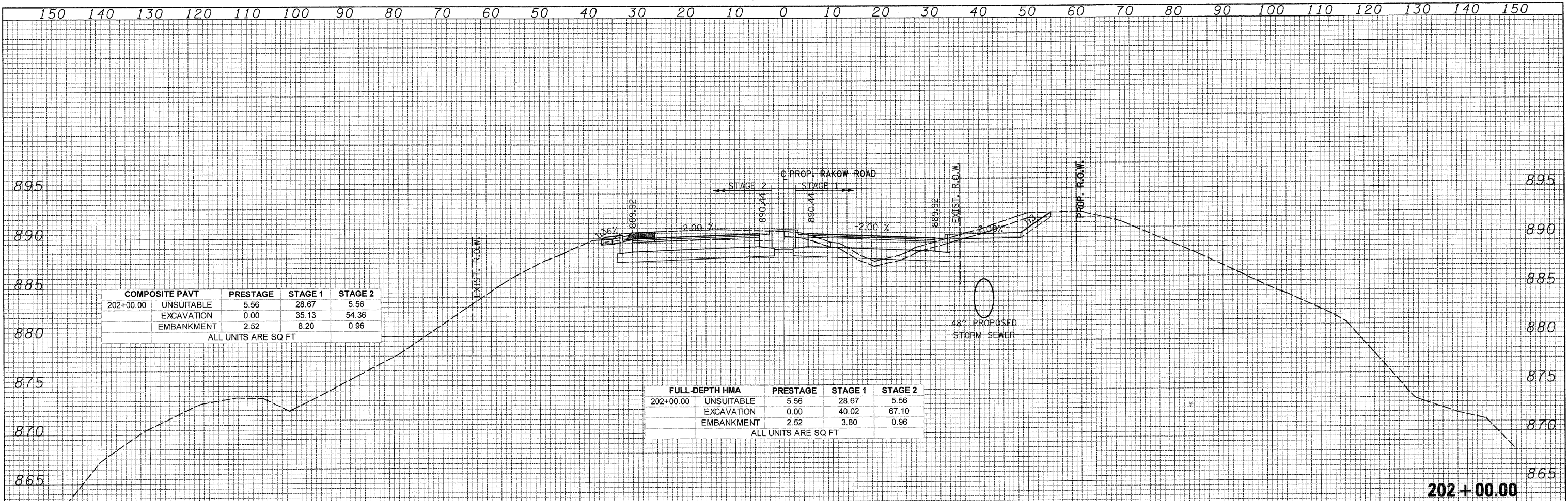
ILLINOIS FED. AID PROJECT

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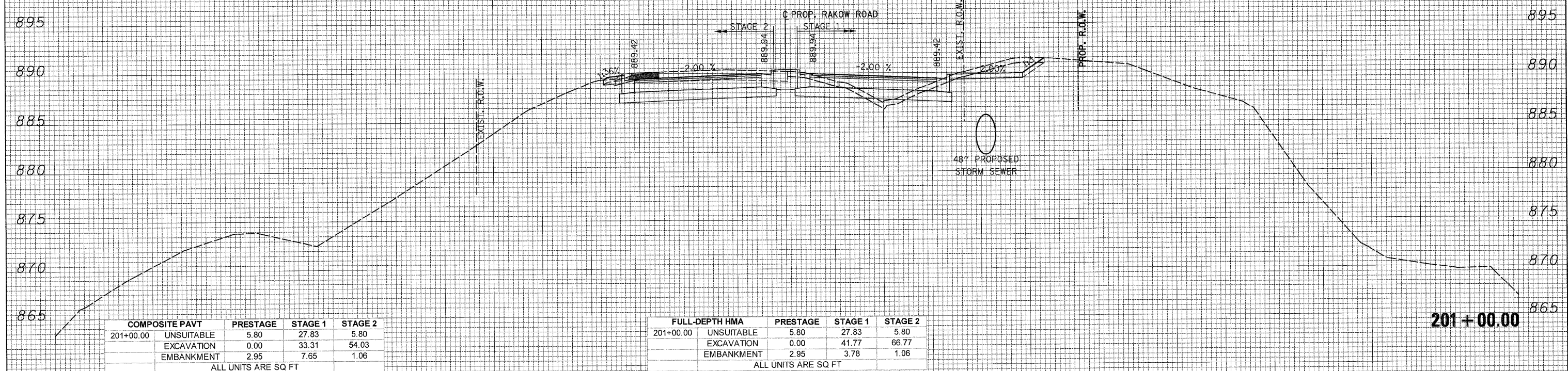


COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
202+00.00 UNSUITABLE	5.56	28.67	5.56
EXCAVATION	0.00	35.13	54.36
EMBANKMENT	2.52	8.20	0.96

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
202+00.00 UNSUITABLE	5.56	28.67	5.56
EXCAVATION	0.00	40.02	67.10
EMBANKMENT	2.52	3.80	0.96

ALL UNITS ARE SQ FT



COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
201+00.00 UNSUITABLE	5.80	27.83	5.80
EXCAVATION	0.00	33.31	54.03
EMBANKMENT	2.95	7.65	1.06

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
201+00.00 UNSUITABLE	5.80	27.83	5.80
EXCAVATION	0.00	41.77	66.77
EMBANKMENT	2.95	3.78	1.06

ALL UNITS ARE SQ FT

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 201+00.00 TO STA. 202+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	498

CONTRACT NO. 63398  
 ILLINOIS FED. AID PROJECT

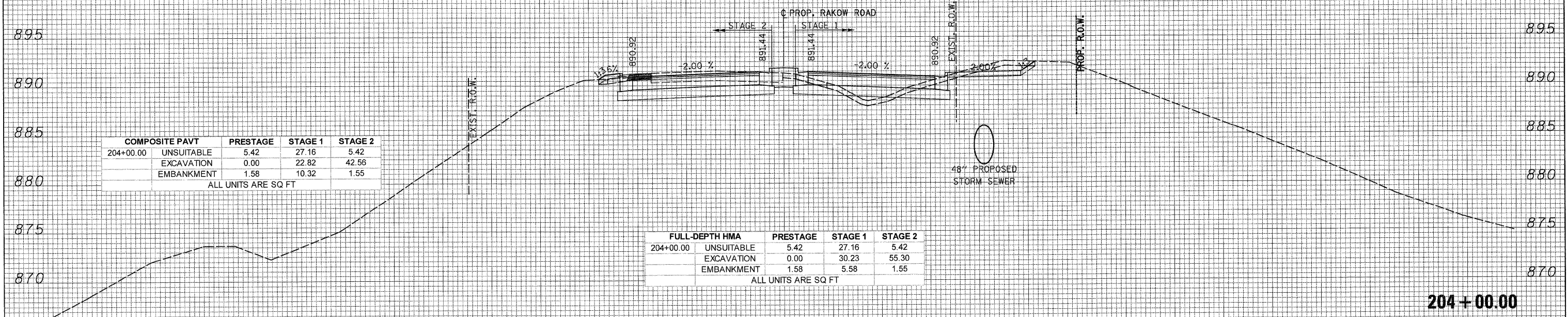
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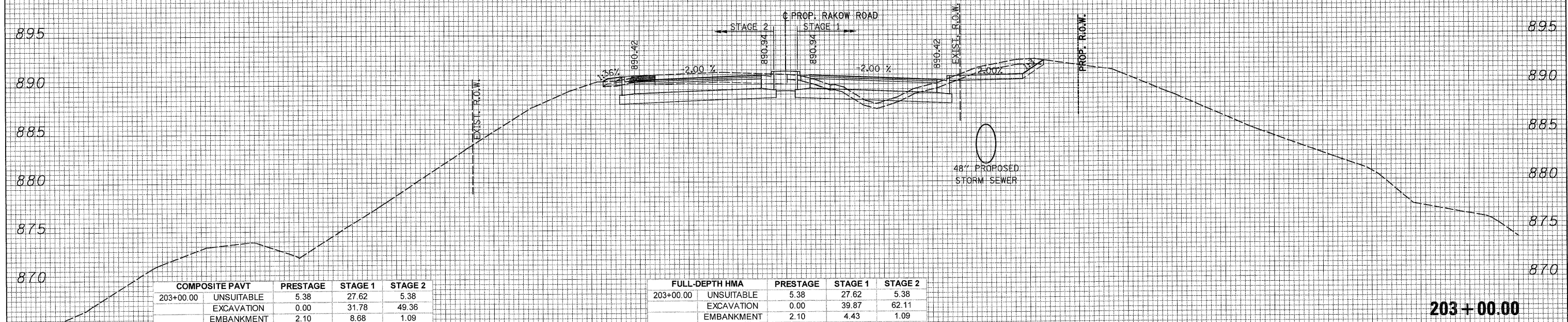
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 AREAS CHECKED \_\_\_\_\_  
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COMPOSITE PAVT		PRESTAGE	STAGE 1	STAGE 2
204+00.00	UNSUITABLE	5.42	27.16	5.42
	EXCAVATION	0.00	22.82	42.56
	EMBANKMENT	1.58	10.32	1.55
ALL UNITS ARE SQ FT				

FULL-DEPTH HMA		PRESTAGE	STAGE 1	STAGE 2
204+00.00	UNSUITABLE	5.42	27.16	5.42
	EXCAVATION	0.00	30.23	55.30
	EMBANKMENT	1.58	5.58	1.55
ALL UNITS ARE SQ FT				



COMPOSITE PAVT		PRESTAGE	STAGE 1	STAGE 2
203+00.00	UNSUITABLE	5.38	27.62	5.38
	EXCAVATION	0.00	31.78	49.36
	EMBANKMENT	2.10	8.68	1.09
ALL UNITS ARE SQ FT				

FULL-DEPTH HMA		PRESTAGE	STAGE 1	STAGE 2
203+00.00	UNSUITABLE	5.38	27.62	5.38
	EXCAVATION	0.00	39.87	62.11
	EMBANKMENT	2.10	4.43	1.09
ALL UNITS ARE SQ FT				

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V SHEET NO. STA. 203+00.00 TO STA. 204+00.00

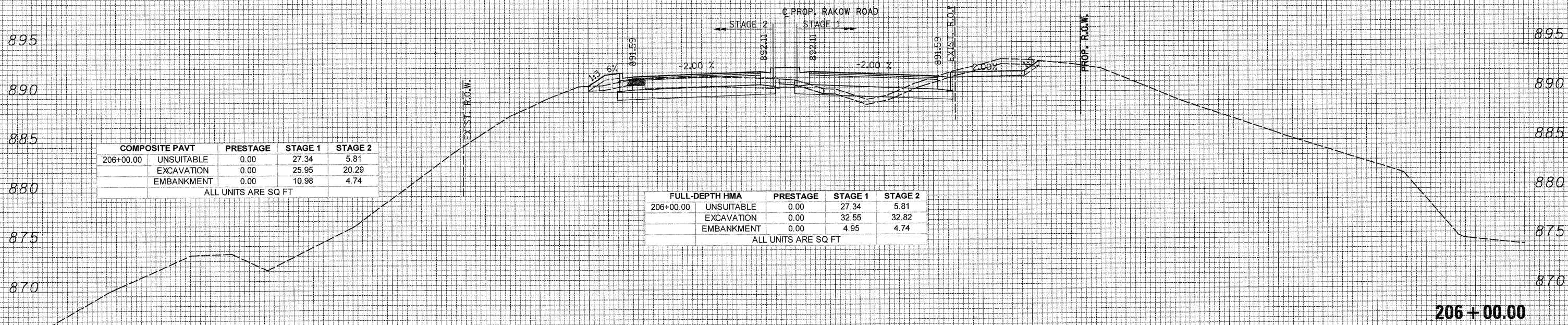
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ILLINOIS FED. AID PROJECT				

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
206+00.00 UNSUITABLE	0.00	27.34	5.81
EXCAVATION	0.00	25.95	20.29
EMBANKMENT	0.00	10.98	4.74

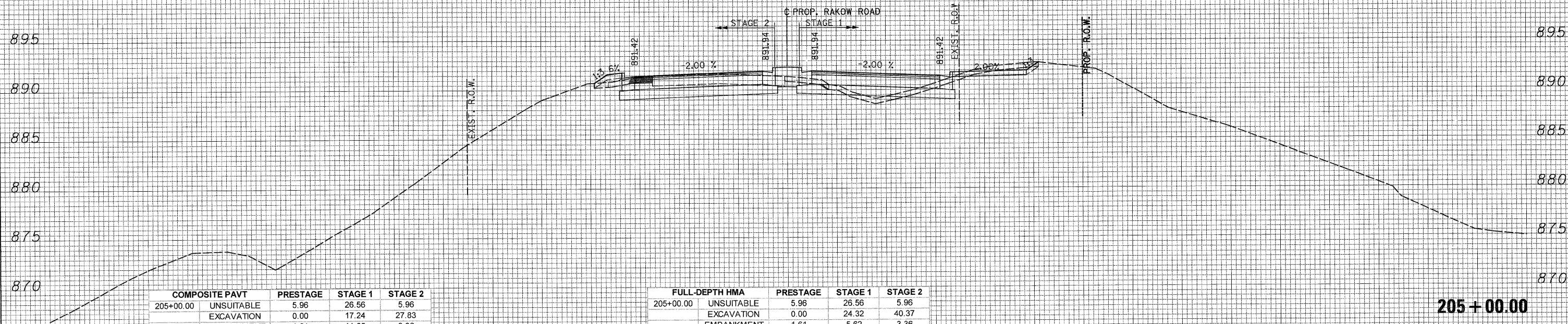
ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
206+00.00 UNSUITABLE	0.00	27.34	5.81
EXCAVATION	0.00	32.55	32.82
EMBANKMENT	0.00	4.95	4.74

ALL UNITS ARE SQ FT

206 + 00.00

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COMPOSITE PAVT	PRESTAGE	STAGE 1	STAGE 2
205+00.00 UNSUITABLE	5.96	26.56	5.96
EXCAVATION	0.00	17.24	27.83
EMBANKMENT	1.61	11.05	3.36

ALL UNITS ARE SQ FT

FULL-DEPTH HMA	PRESTAGE	STAGE 1	STAGE 2
205+00.00 UNSUITABLE	5.96	26.56	5.96
EXCAVATION	0.00	24.32	40.37
EMBANKMENT	1.61	5.62	3.36

ALL UNITS ARE SQ FT

205 + 00.00

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MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION

RAKOW ROAD  
 CROSS SECTIONS

SCALE: 1H:2V

SHEET NO.

STA. 205+00.00 TO STA. 206+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	500

CONTRACT NO. 63398  
 ILLINOIS FED. AID PROJECT