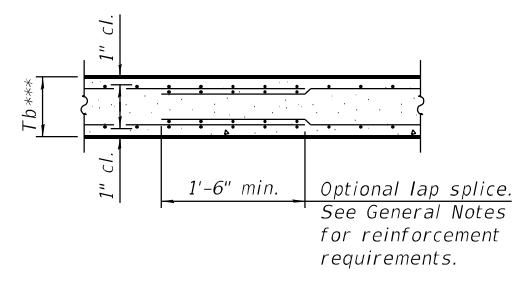
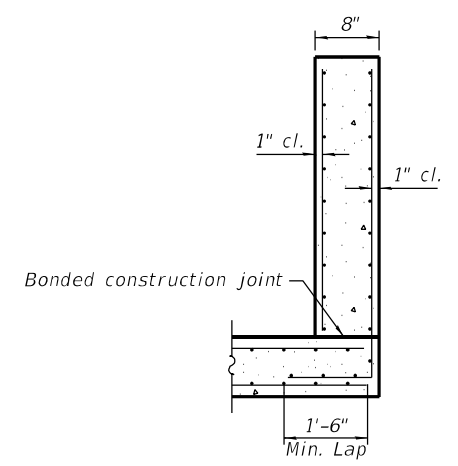


SECTION B-B  
(Top slab at downstream end)

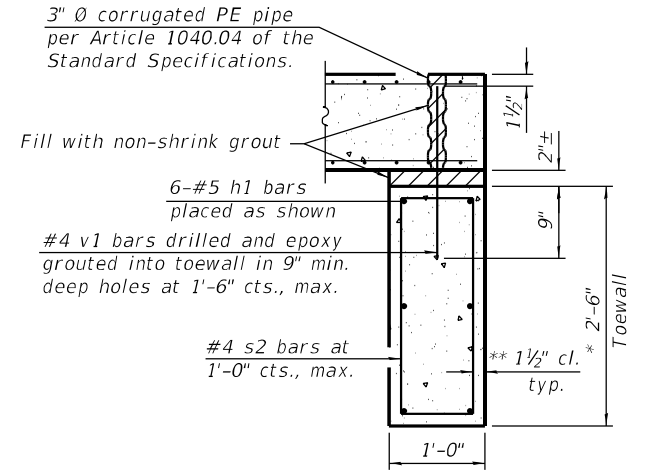
SECTION B-B  
(Top slab at upstream end)



SECTION B-B  
(Bottom Slab)

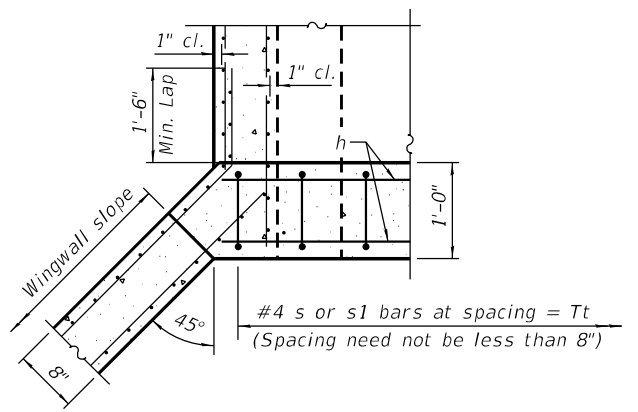


SECTION C-C

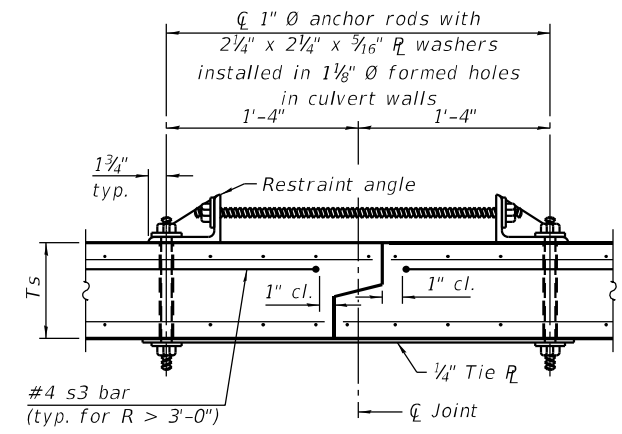


SECTION D-D

\*\*\* This dimension shall be increased by 2" for CIP construction.



SECTION E-E



SECTION F-F  
(Showing culvert tie details)

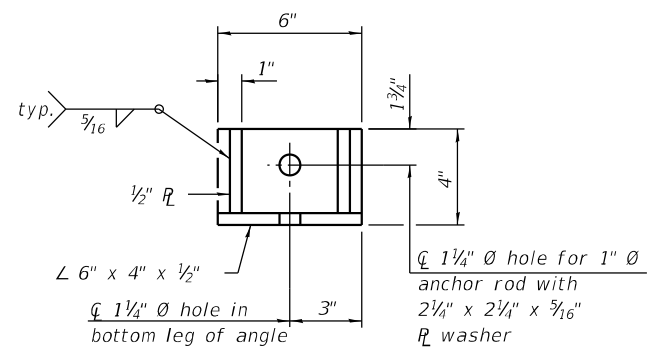
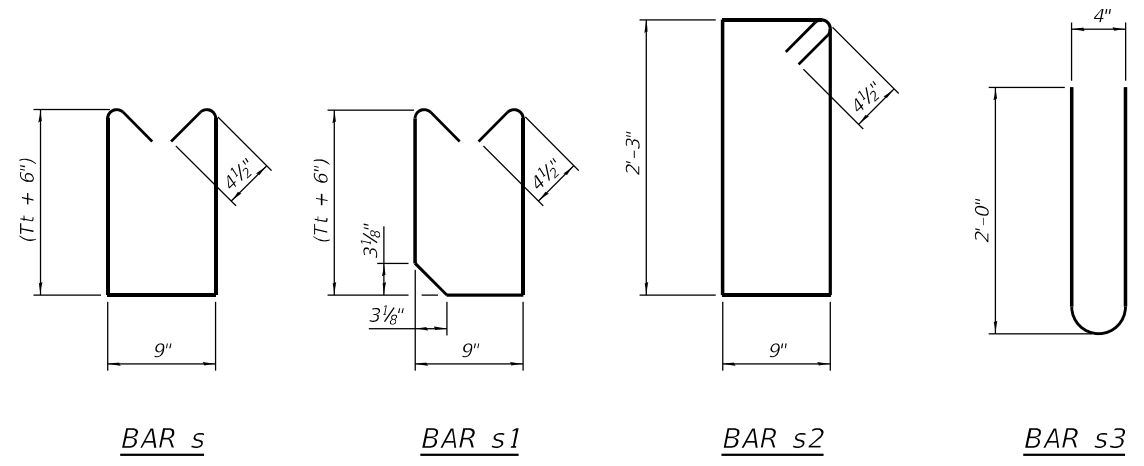
**TOEWALL CONSTRUCTION SEQUENCE**

1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

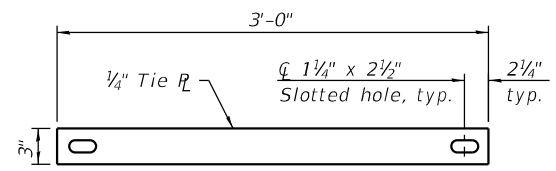
\* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

\*\* If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.

Notes:  
1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for the tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 3/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.



RESTRAINT ANGLE DETAIL



TIE PLATE DETAIL

(Sheet 2 of 2)

MODEL: Default  
FILE NAME: Q:\Engineering\Live\Projects\13045\_IDOT\_IL\_176\CADD\CADD\_Sheets\Structural\0560343-62G35-005-Conc Apron-2.dgn  
6/18/2021 6:32:10 PM



USER NAME =	DESIGNED - SAT	REVISED -
PLOT SCALE =	CHECKED - SPS	REVISED -
PLOT DATE =	DRAWN - JN	REVISED -
	CHECKED - JMT	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE BOX CULVERT APRON END  
SECTION DETAILS - STRUCTURE NO. 056-0343

SHEET 4 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	201
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				



# BORING LOG CB-01

wangeng@wangeng.com  
1145 N. Main Street  
Lombard/IL/60148  
Telephone: 6309539928  
Fax: 6309539938

WEI Job No.: 491-05-01

Client **Accurate Group, Inc.**  
Project **FAP 533 (IL 176) from Deerpass Rd to Dean St.**  
Location **McHenry County, Illinois**

Datum: NAVD 88  
Elevation: 811.41 ft  
North: 2035634.66 ft  
East: 914974.09 ft  
Station: 1009+27.84  
Offset: 30.87 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
811.4	4-inch thick, black, damp SILTY CLAY LOAM --TOPSOIL--														
810.1	Stiff, dark brown, moist SILTY CLAY, trace organic			2											
	Loose, brown, moist GRAVELLY SAND			3		1.50	9								
				6											
808.4	Medium dense, brown, moist to saturated, medium SAND			4											
				5											
				5											
				3											
				6											
				4											
				6											
				4											
				8											
				6											
				7											
801.4	Boring terminated at 10.00 ft	10													

### GENERAL NOTES

Begin Drilling **03-18-2019** Complete Drilling **03-18-2019**  
 Drilling Contractor **Wang Testing Services** Drill Rig **D25 ATV [93%]**  
 Driller **A&A** Logger **J. Rowells** Checked by **C. Marin**  
 Drilling Method **2.25" HSA; boring backfilled upon completion**

### WATER LEVEL DATA

While Drilling **3.75 ft**  
 At Completion of Drilling **7.00 ft**  
 Time After Drilling **NA**  
 Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



# BORING LOG CB-02

wangeng@wangeng.com  
1145 N. Main Street  
Lombard/IL/60148  
Telephone: 6309539928  
Fax: 6309539938

WEI Job No.: 491-05-01

Client **Accurate Group, Inc.**  
Project **FAP 533 (IL 176) from Deerpass Rd to Dean St.**  
Location **McHenry County, Illinois**

Datum: NAVD 88  
Elevation: 812.60 ft  
North: 2035676.54 ft  
East: 914980.41 ft  
Station: 1009+34.04  
Offset: 11.03 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
812.42	4.5-inch thick, ASPHALT --SHOULDER PAVEMENT--														
811.7	8-inch thick, dark brown SANDY GRAVEL														
811.1	--AGGREGATE BASE--														
	Hard, dark brown SILTY CLAY LOAM			1	8	4.50	15								
				3											
809.6	Stiff (1.23S), brown, damp SILTY CLAY LOAM, little gravel			2											
	Loose, brown, moist, medium SAND, trace gravel			3											
				4											
				5											
				3											
				6											
				6											
				4											
				5											
				7											
				4											
				7											
				8											
797.6	Boring terminated at 15.00 ft	15													

### GENERAL NOTES

Begin Drilling **03-20-2019** Complete Drilling **03-20-2019**  
 Drilling Contractor **Wang Testing Services** Drill Rig **CME55 TMR [85%]**  
 Driller **A&A** Logger **J. Rowells** Checked by **C. Marin**  
 Drilling Method **3.25" HSA; boring backfilled upon completion**

### WATER LEVEL DATA

While Drilling **5.50 ft**  
 At Completion of Drilling **3.00 ft**  
 Time After Drilling **NA**  
 Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS  
STRUCTURE NO. 056-0343

SHEET 5 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	202
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
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WANGENG\INC\_4910501.GPJ WANGENG.GDT 8/1/19

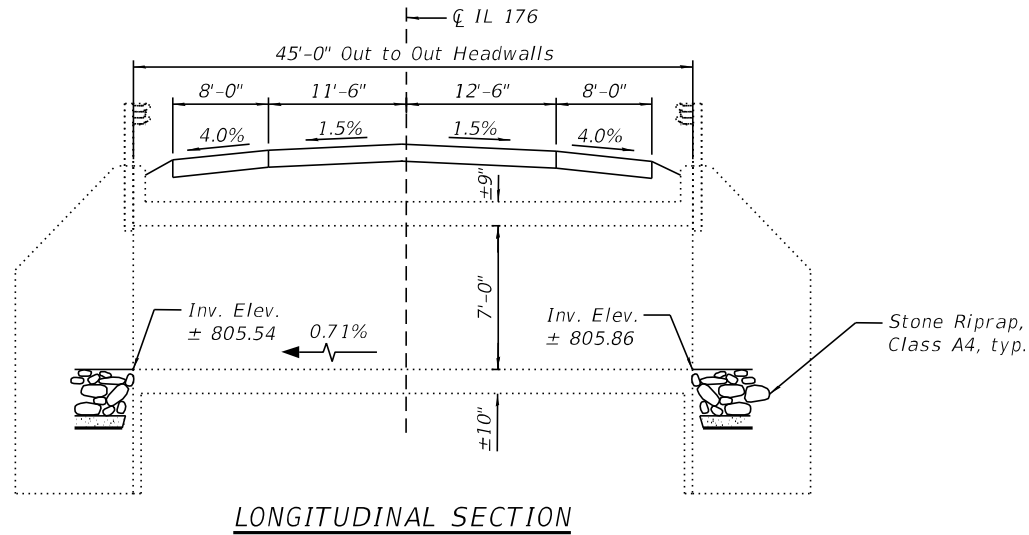


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PLOT DATE =	DRAWN - JN	REVISED -
	CHECKED - JMT	REVISED -

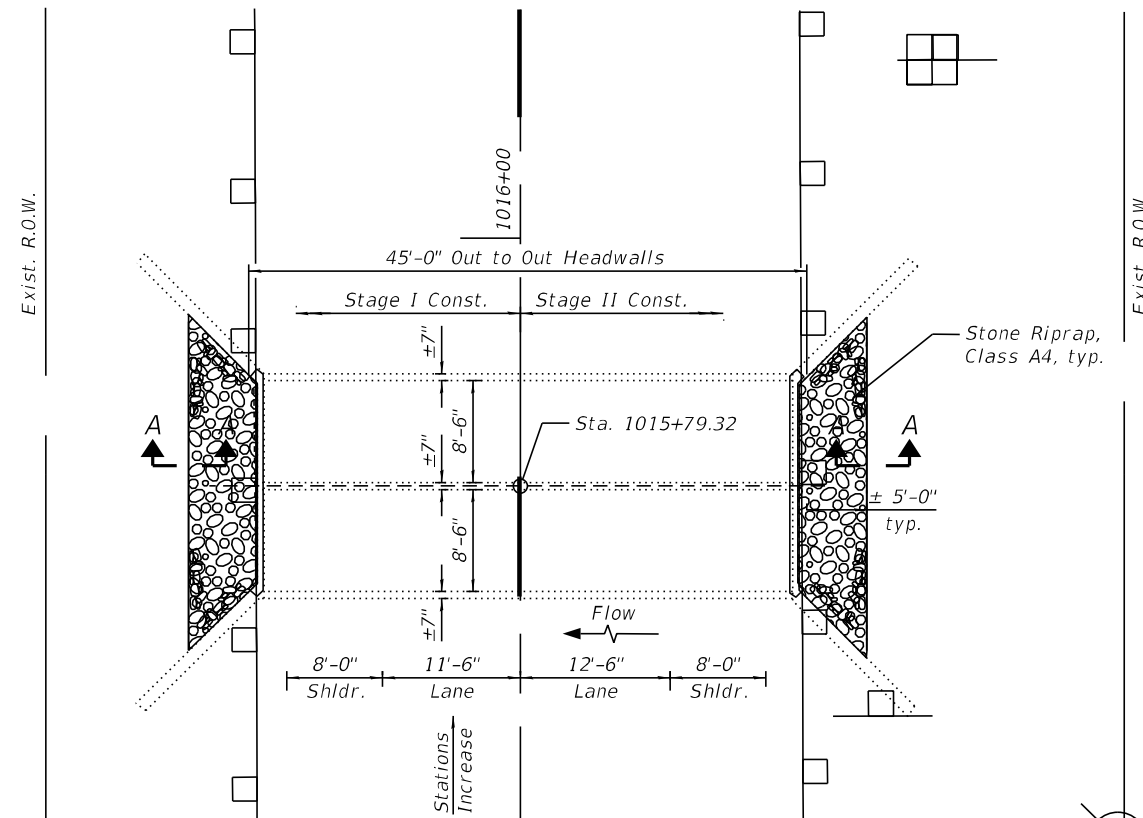
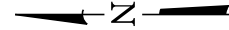
Benchmark: Chiseled square on west side of headwall south side of IL 176.  
Elev. 813.56

Existing Structure: Existing Structure is a cast-in-place double cell box culvert 8.5'W X 7'H carrying IL 176 over a ditch. The structure is located approximately 575' E. of Deerpass Road. Out to out length of the structure is 45'-0". The structure is at no skew. Staged Construction will be utilized during repairs.

No salvage.



LONGITUDINAL SECTION



PLAN

**INDEX OF SHEETS**

1. General Plan
2. Culvert Repair Details

**SCOPE OF WORK**

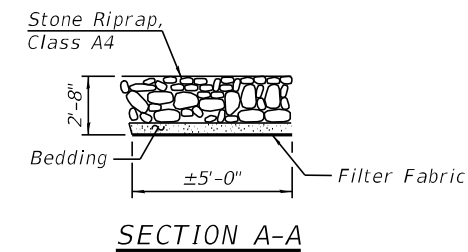
1. Perform headwall repairs, Structural Repair of Concrete and Low Pressure Epoxy Injection.
2. Remove debris at upstream and downstream ends of the culvert.
3. Install riprap at upstream and downstream ends.

**TOTAL BILL OF MATERIAL**

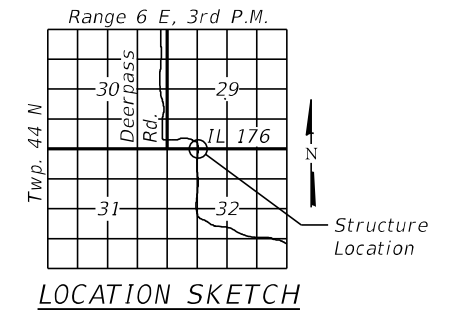
ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	29
Filter Fabric	Sq. Yd.	29
Epoxy Crack Injection	Foot	6
Structural Repair of Concrete (Depth Equal to or less than 5")	Sq. Ft.	25
Debris Removal	L. Sum	0.17



DATE SIGNED: 06/18/2021  
EXP. DATE: 11/30/2022



SECTION A-A



LOCATION SKETCH

**GENERAL PLAN**  
**IL-176 CULVERT, 575' E. OF DEERPASS RD.**  
**OVER DRAINAGE DITCH**  
**FAP 533-SEC. (119 & 105) C&W-1**  
**McHENRY COUNTY**  
**STATION 1015+79.32**  
**STRUCTURE NO. 056-0207**

MODEL: Default  
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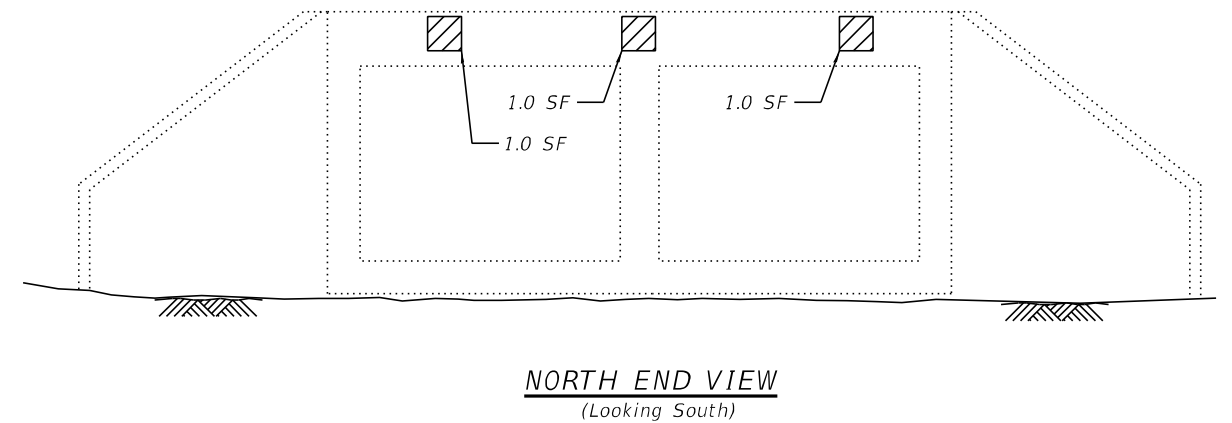
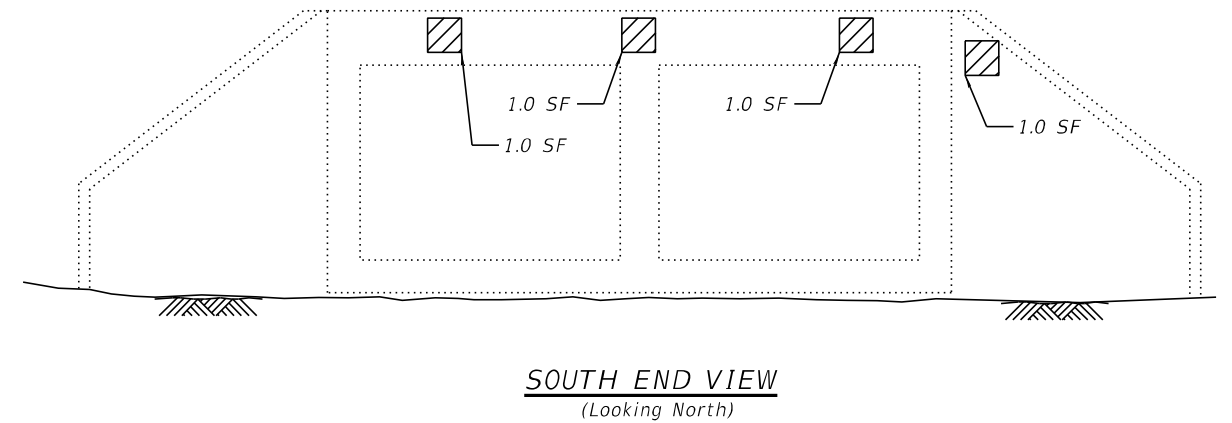
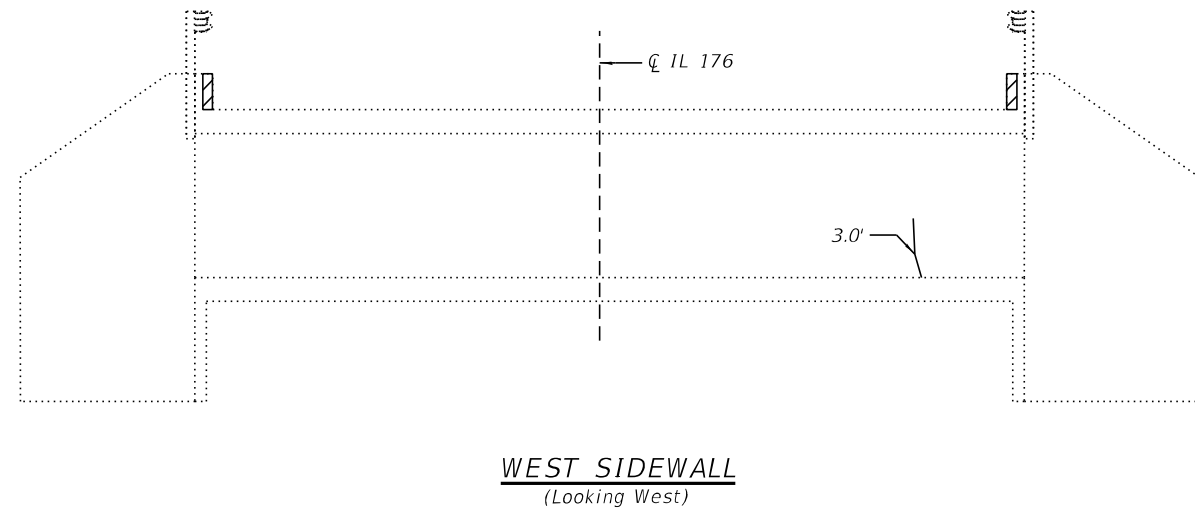
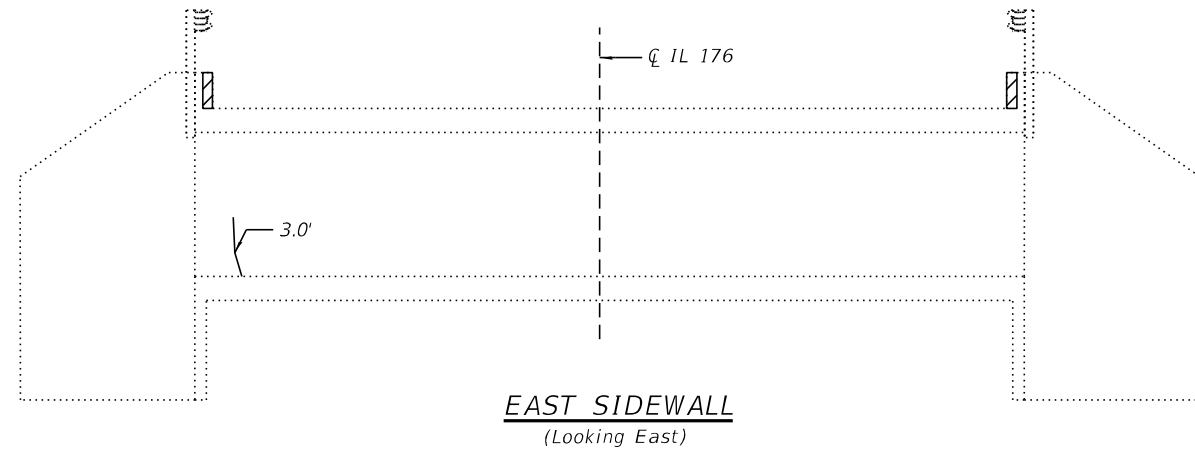
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PLOT DATE =	CHECKED - JMT	REVISED -

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

**STRUCTURE NO. 056-0207**

SHEET 1 OF 2 SHEETS

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY McHENRY	TOTAL SHEETS 300	SHEET NO. 203
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				



**GENERAL NOTES**

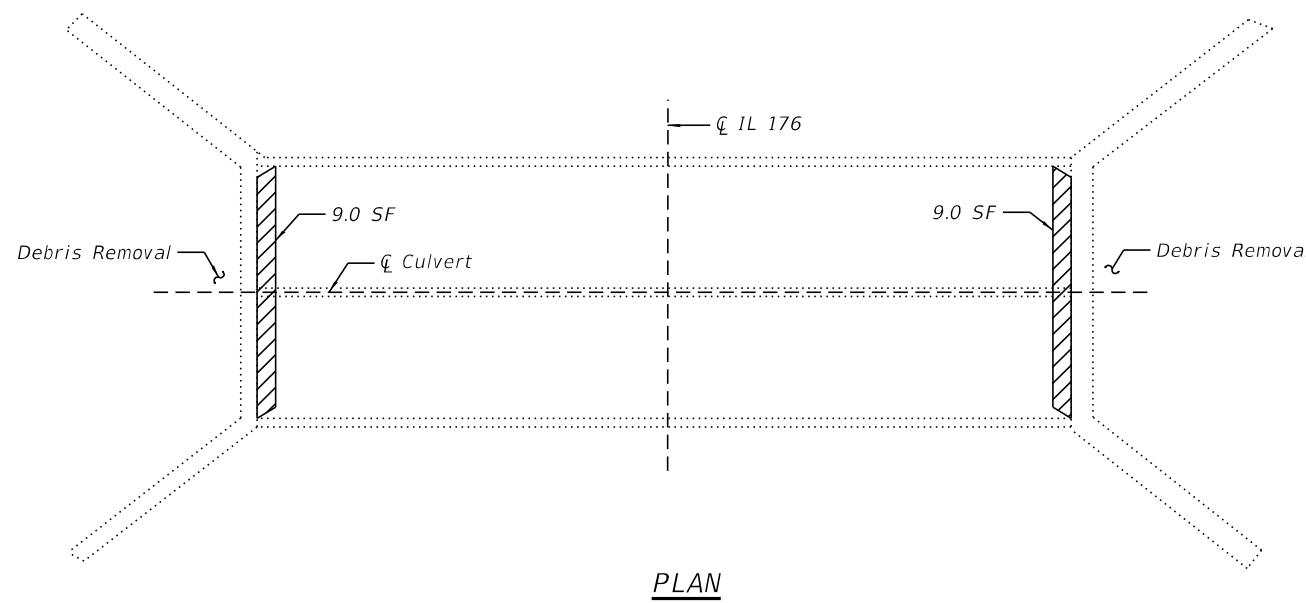
1. Culvert repairs to be performed during low flow.
2. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction 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.
3. Areas shown for Concrete Repairs are estimated. The Engineer shall mark the areas in the field and show the actual areas on As-built plans.
4. The 2 year peak flow rate is 93.1 cfs.

**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Epoxy Crack Injection	Foot	6
Structural Repair of Concrete (Depth Equal to or less than 5")	Sq. Ft.	25
Debris Removal	L. Sum	0.17

**LEGEND**

- Structural Repair of Concrete (Depth Equal to or less than 5")
- Epoxy Crack Injection
- SF = Square Feet



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CHECKED - SPS	REVISIONS -	
PLOT SCALE =	DRAWN - JN	REVISED -
PLOT DATE =	CHECKED - JMT	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CULVERT REPAIR DETAILS  
STRUCTURE NO. 056-0207**

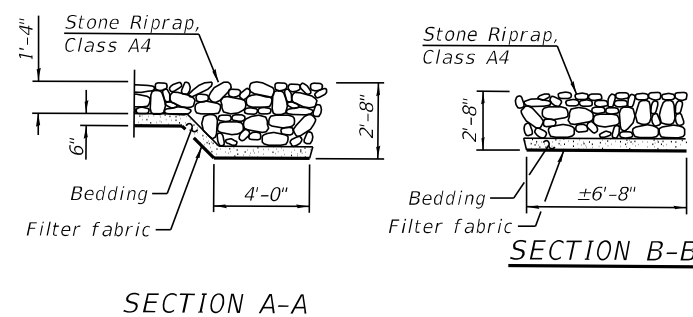
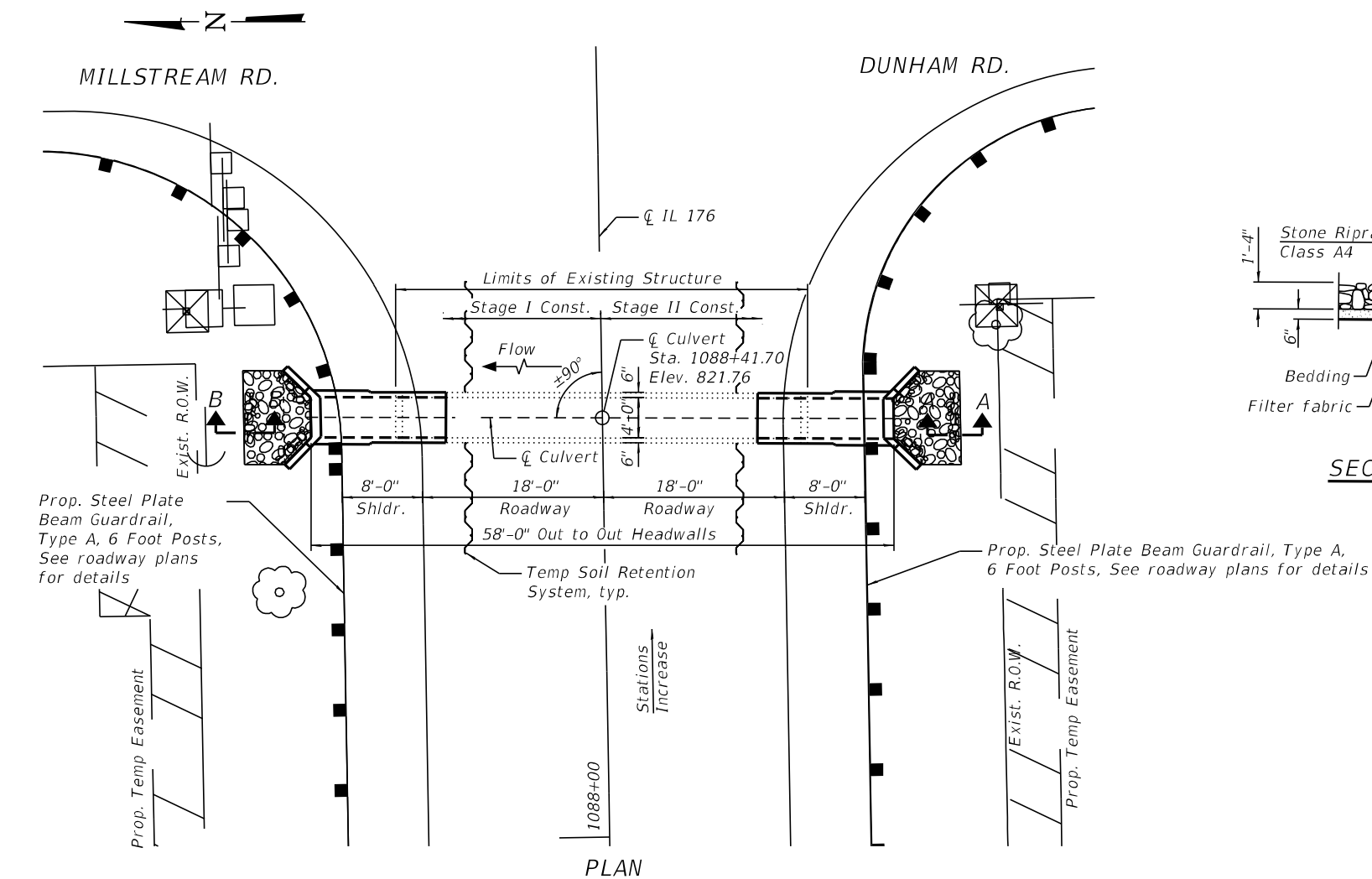
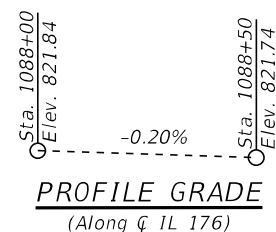
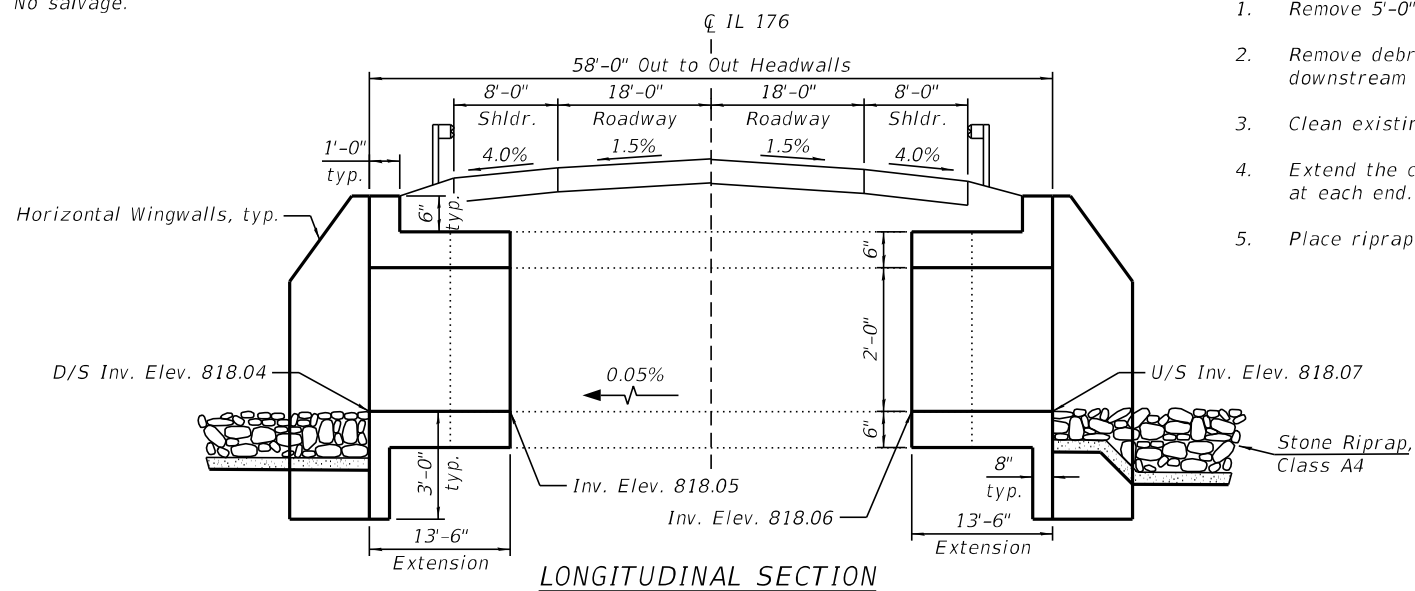
SHEET 2 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	204
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				

Benchmark: Top of Right Of Way marker on northwest corner of IL 176 and Millstream Road. Elev. 822.576

Existing Structure: Existing Structure is a cast-in-place single cell box culvert 4'W X 2'H carrying IL 176 over a ditch. The structure is located just W. of Dunham Rd. Out to out length of the structure is 41'-0". The structure is at no skew. Staged Construction will be utilized during construction.

No salvage.



**INDEX OF SHEETS**

1. General Plan
2. Culvert Extension Details

**SCOPE OF WORK**

1. Remove 5'-0" of culvert at each end.
2. Remove debris at upstream and downstream ends.
3. Clean existing box culvert.
4. Extend the culvert to the proposed length at each end.
5. Place riprap at upstream and downstream ends.

**GENERAL NOTES:**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Concrete Sealer shall be applied to the top and outside face of the horizontal cantilever wingwalls, and headwalls.
3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
4. All excavation required for the construction of the culvert in accordance with the Standard Specifications shall be included with the cost of Concrete Box Culverts.
5. Areas of excavation required for the construction of the culvert shall be backfilled with Granular Backfill for Structures. See Special Provisions for details.
6. 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 actual quantity furnished at the unit price bid for the work.
7. The 2 year peak flow is 68 cfs.
8. Granular Backfill is required a minimum of 2 feet outside of the culvert walls. Cost is included in the cost of Concrete Box Culverts.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	14
Filter Fabric	Sq. Yd.	14
Concrete Removal	Cu. Yd.	6.5
Expansion Bolts, 3/4"	Each	20
Concrete Box Culverts	Cu Yd	9.6
Reinforcement Bars, Epoxy Coated	Pound	2090
Concrete Sealer	Sq Ft	62
Debris Removal	L. Sum	0.17
Box Culverts to be Cleaned	Each	1
Porous Granular Embankment	Cu. Yd.	18
Temporary Soil Retention System	Sq. Ft.	110

**DESIGN SPECIFICATIONS**

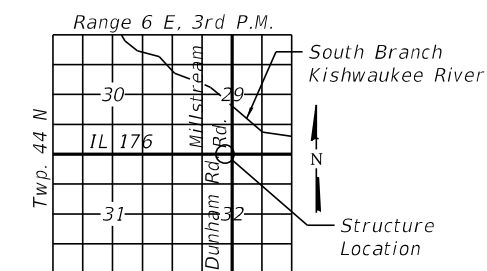
2002 AASHTO Std. Specifications

**DESIGN STRESSES**

FIELD UNITS

f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

**LOADING HS 20-44**



DATE SIGNED: 06/18/2021  
EXP. DATE: 11/30/2022

**GENERAL PLAN**  
**IL-176 CULVERT, W. OF DUNHAM RD.**  
**OVER DRAINAGE DITCH**  
**FAP 533-SEC. (119 & 105) C&W-1**  
**McHENRY COUNTY**  
**STATION 1088+41.70**

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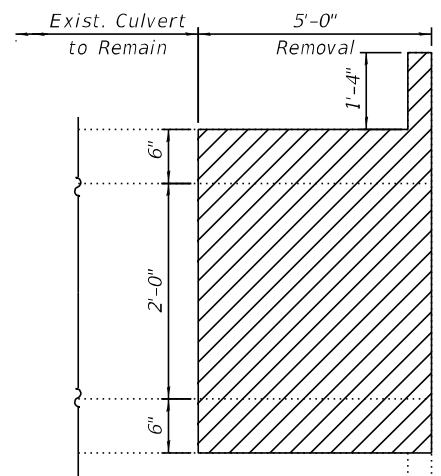
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

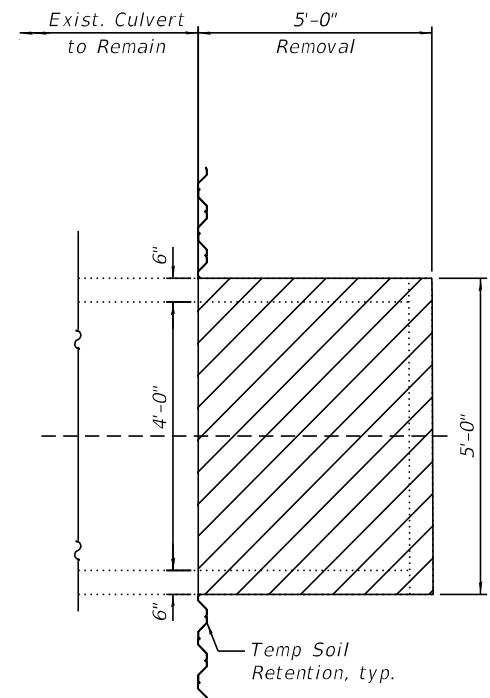
**IL RTE. 176 STA. 1088+41.70 OVER DRAINAGE DITCH**

SHEET 1 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	205
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				

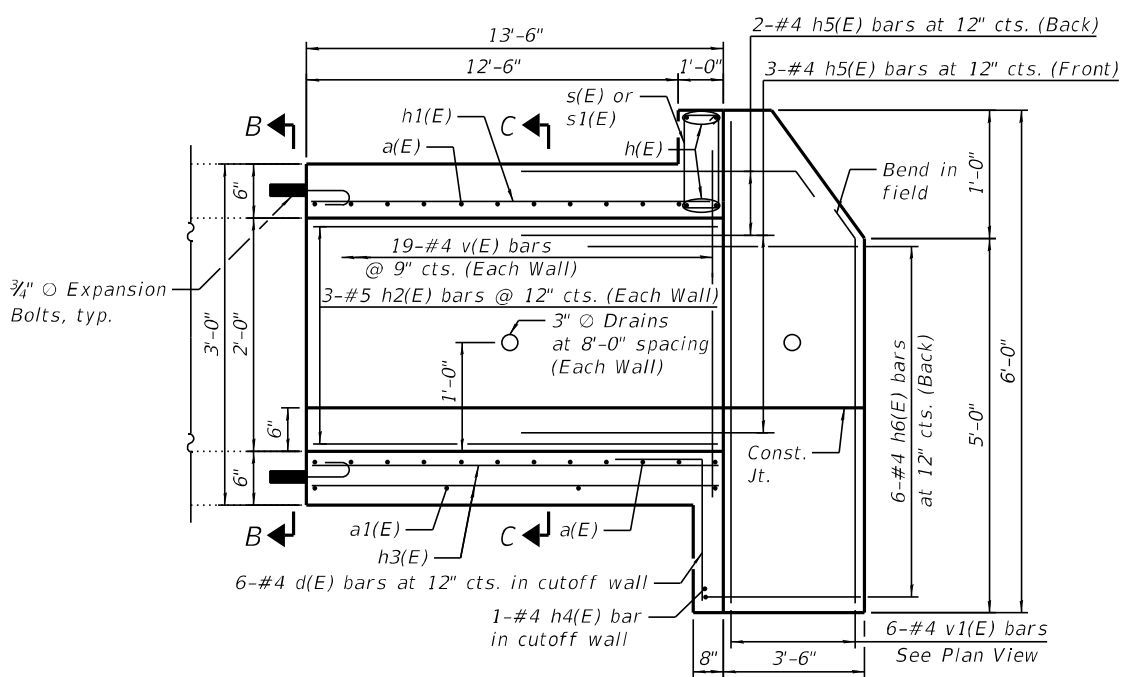


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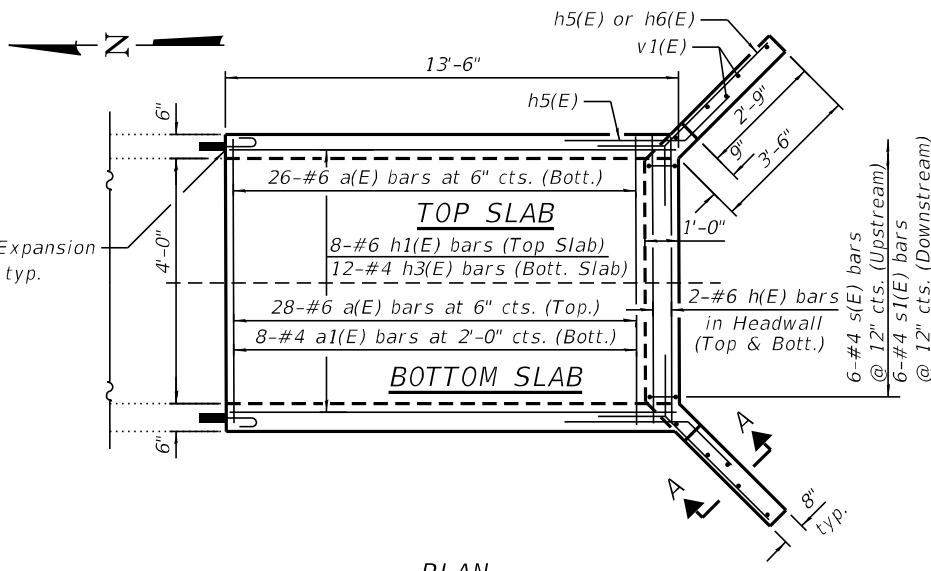


**PLAN**

**CULVERT REMOVAL DETAILS**  
(South End Shown, North End Similar)

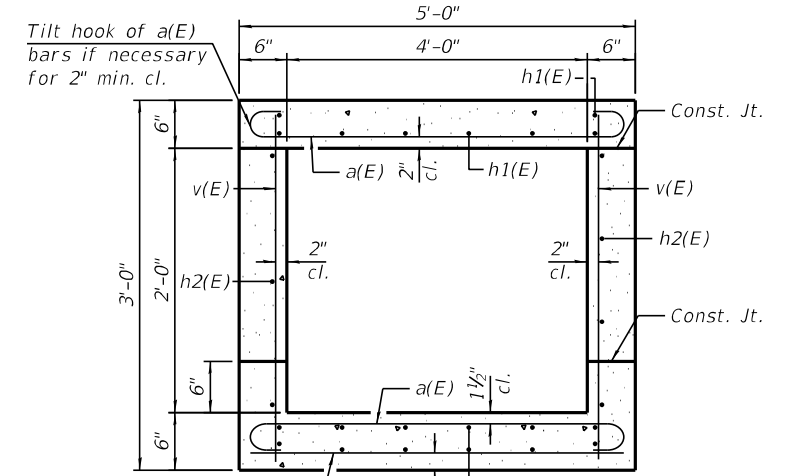


**LONGITUDINAL SECTION**

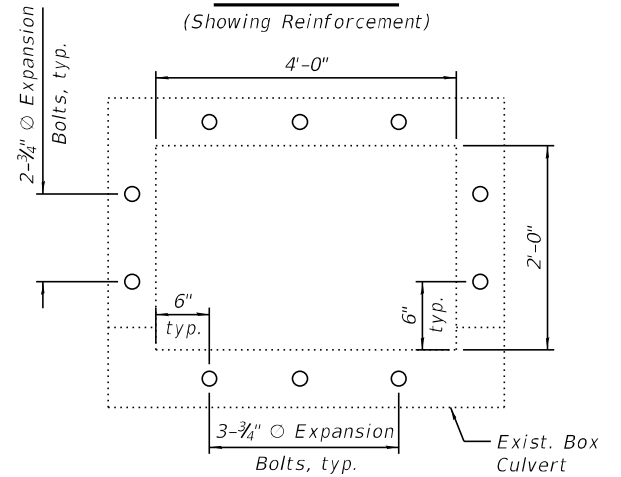


**PLAN**

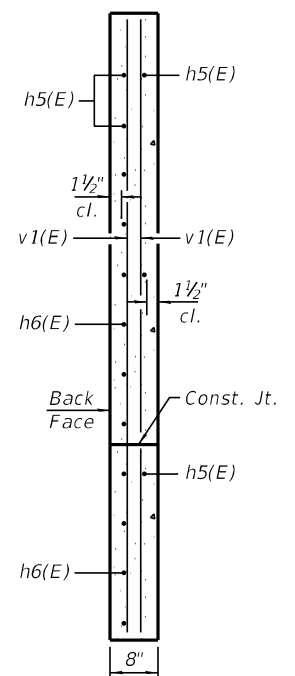
**CULVERT EXTENSION DETAILS**  
(South End Shown, North End Similar)



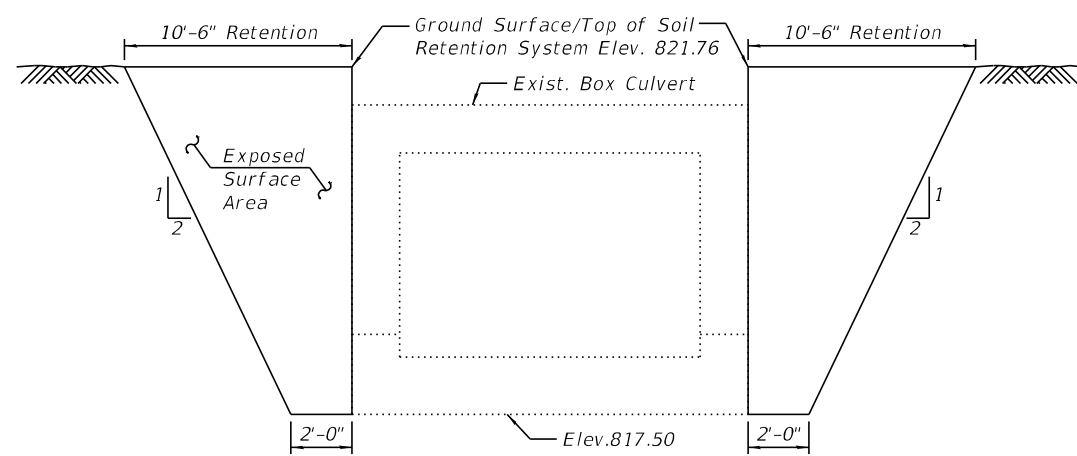
**SECTION C-C**  
(Showing Reinforcement)



**SECTION B-B**  
(Showing Expansion Bolts)



**SECTION A-A**

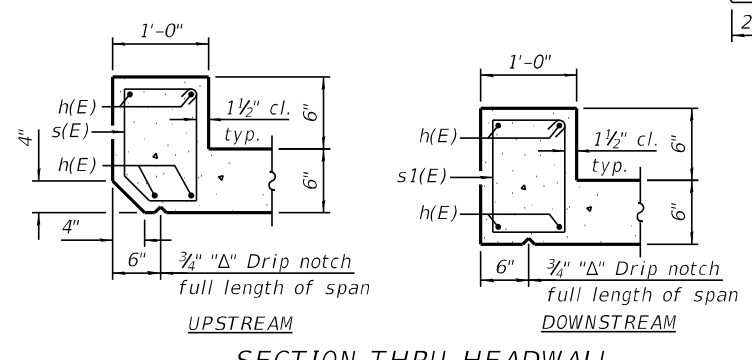
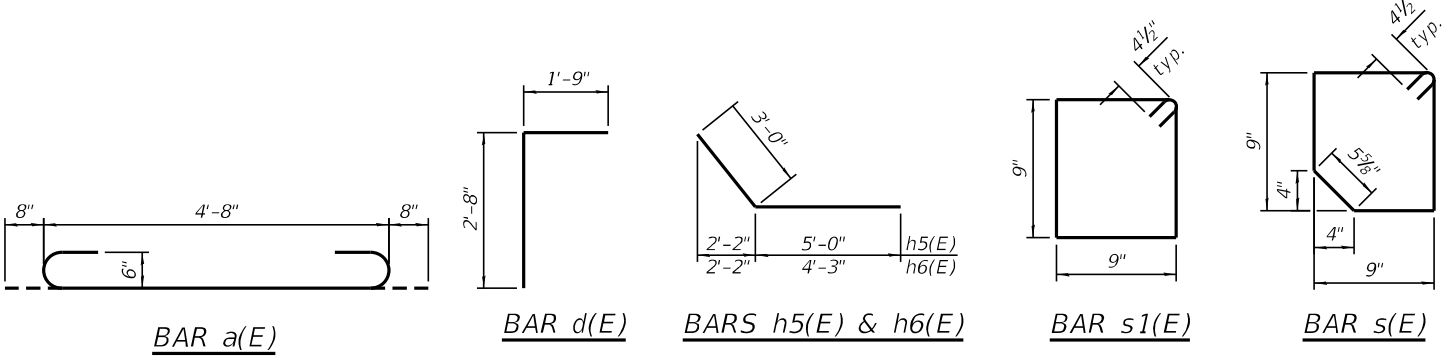


**TEMPORARY SOIL RETENTION**

A cantilever sheet piling design does not appear feasible and additional members or other retention system may be necessary. The Contractor shall submit a Temporary Soil Retention System design including plan details and calculations for review and acceptance by the Engineer.

- Notes:
1. The full length of the barrel extension shall be poured monolithically with the wingwalls.
  2. Expansion Bolts shall be hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.

BILL OF MATERIAL (Both North and South Ends)				
Bar	No.	Size	Length	Shape
a(E)	108	#6	6'-0"	U
a1(E)	16	#4	4'-8"	—
d(E)	12	#4	4'-5"	L
h(E)	8	#6	4'-8"	—
h1(E)	16	#6	13'-2"	—
h2(E)	12	#5	13'-2"	—
h3(E)	24	#4	13'-2"	—
h4(E)	2	#4	4'-8"	—
h5(E)	20	#4	8'-0"	—
h6(E)	24	#4	7'-3"	—
s(E)	6	#4	3'-7"	U
s1(E)	6	#4	3'-9"	U
v(E)	76	#4	2'-8"	—
v1(E)	24	#4	5'-8"	—
Concrete Removal		Cu Yd	3.0	
Expansion Bolts, 3/4"		Each	20	
Concrete Box Culverts		Cu Yd	9.6	
Reinforcement Bars, Epoxy Coated		Pound	2090	
Concrete Sealer		Sq Ft	62	
Porous Granular Embankment		Cu Yd	18	



**SECTION THRU HEADWALL**

MODEL: Default  
FILE NAME: O:\Engineering\Live\Projects\13045\_IDOT IL 176\CADD\CADD Sheets\Structural\62G35-009-W, of Dunham\_Culvert\_Extension.dgn



USER NAME =	DESIGNED - SAT	REVISED -
CHECKED - SPS	REVISED -	
PLOT SCALE =	DRAWN - JN	REVISED -
PLOT DATE =	CHECKED - JMT	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CULVERT EXTENSION DETAILS  
IL RTE. 176 STA. 1088+41.70 OVER DRAINAGE DITCH**

SHEET 2 OF 2 SHEETS

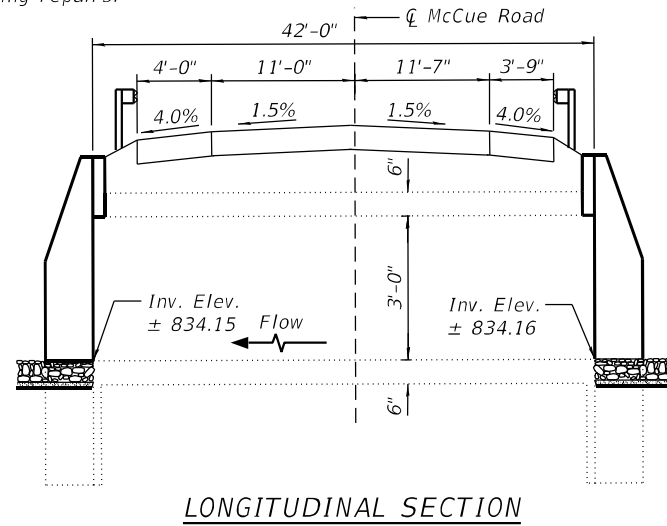
F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY McHENRY	TOTAL SHEETS 300	SHEET NO. 206
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				

Benchmark: Chiseled square on east side of bridge wall at north side of IL 176, ± 800' east of Franklinville Road.

Existing Structure: The existing structure is a cast-in place concrete single cell box culvert 3'x3' carrying McCue Road over a drainage ditch. The structure is located at just south of IL 176. The overall length of the culvert is approximately 42'-0" out to out of headwalls.

Traffic will be maintained utilizing staged construction during repairs.

No salvage.



**INDEX OF SHEETS**

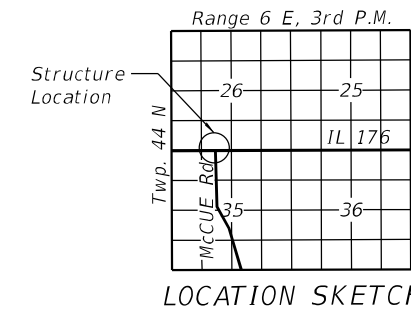
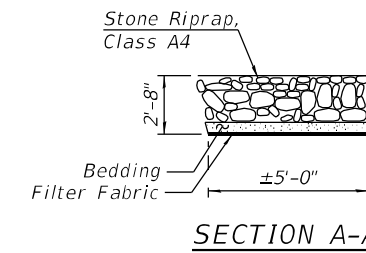
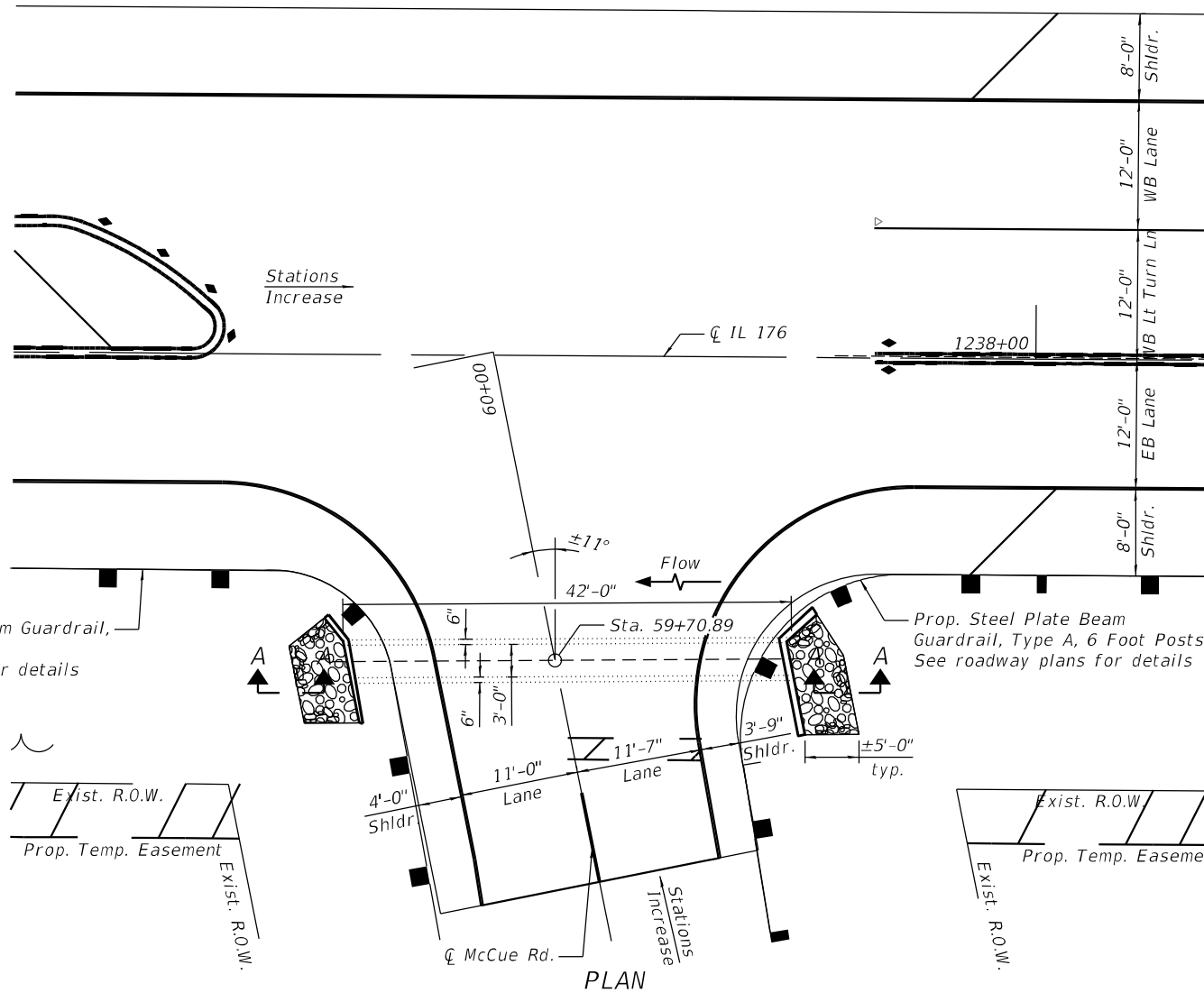
1. General Plan
2. Culvert Repair Details

**SCOPE OF WORK**

1. Perform headwall repairs, Structural Repair of Concrete and Low Pressure Epoxy Injection.
2. Remove debris at upstream and downstream ends of the culvert.
3. Install riprap at upstream and downstream ends.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	11
Filter Fabric	Sq. Yd.	11
Concrete Removal	Cu. Yd.	2.0
Concrete Structures	Cu. Yd.	2.0
Reinforcement Bars, Epoxy Coated	Pound	70
Epoxy Crack Injection	Foot	3
Structural Repair of Concrete (Depth Equal to or less than 5")	Sq. Ft.	2
Debris Removal	L. Sum	0.17
Concrete Sealer	Sq Ft	100



DATE SIGNED: 06/18/2021  
EXP. DATE: 11/30/2022

**GENERAL PLAN**  
**IL 176 CULVERT AT McCUE RD**  
**OVER DRAINAGE DITCH**  
**F.A.P. 533 SEC (119 & 105)C&W-1**  
**McHENRY COUNTY**  
**STATION: 59+70.89**

MODEL: Default  
FILE NAME: Q:\Engineering\Live\Projects\13045\_IDOT\_IL\_176\CADD\CADD\_Sheets\Structural\62G35-010-McCue\_GPE.dgn



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CHECKED - SPS	REVISIONS -	
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PLOT DATE =	CHECKED - JMT	REVISED -

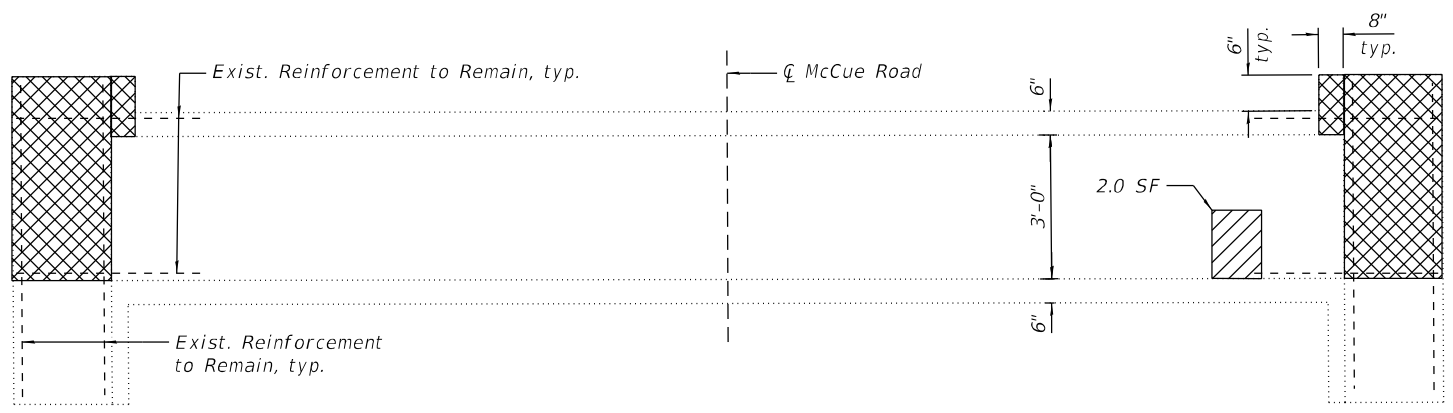
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**McCUE RD. OVER DRAINAGE DITCH**

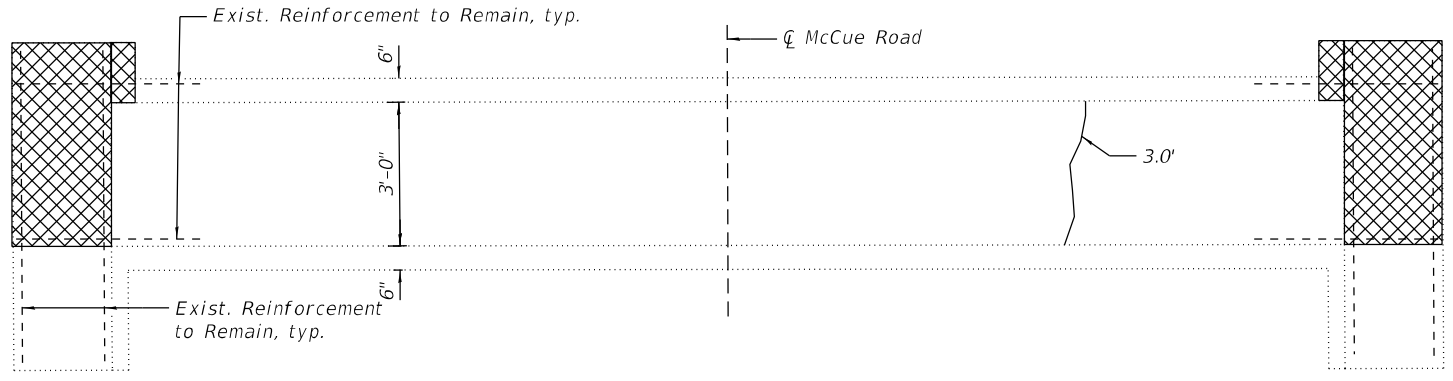
SHEET 1 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				

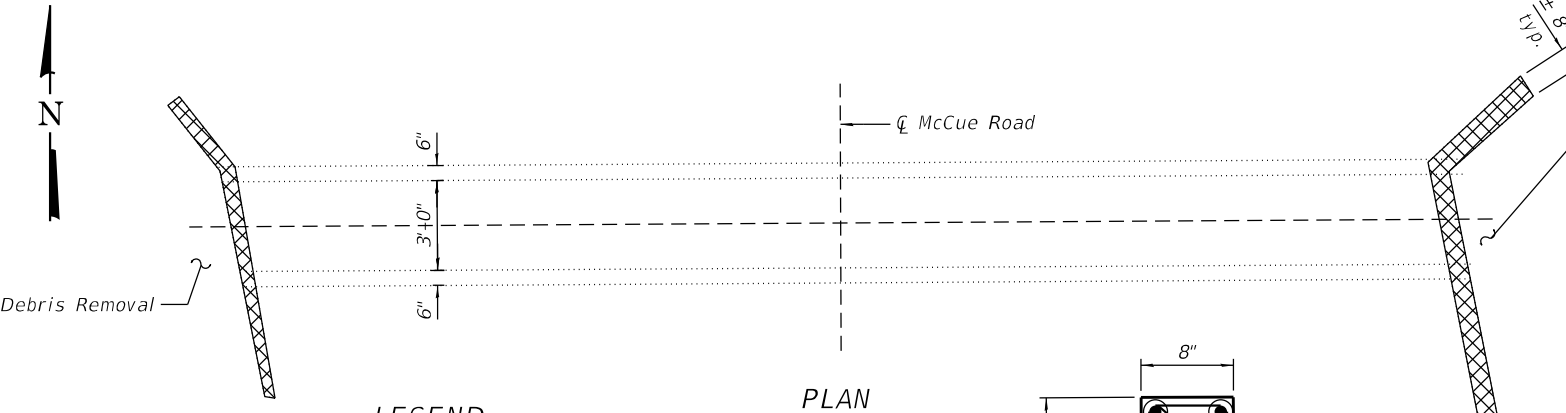
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**NORTH SIDEWALL**  
 (Looking North)



**SOUTH SIDEWALL**  
 (Looking South)



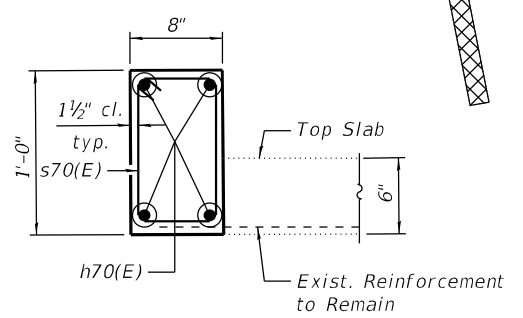
**PLAN**

**LEGEND**

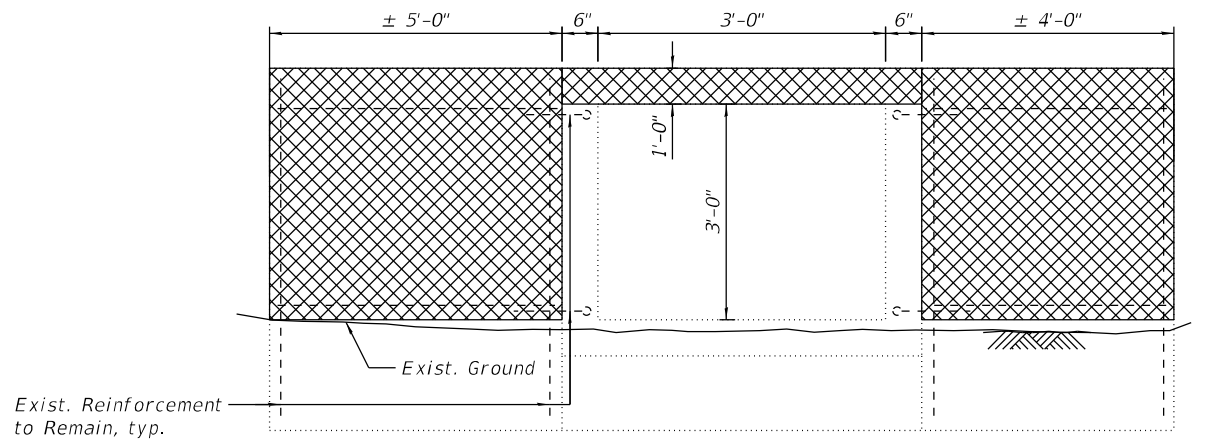
- Structural Repair of Concrete (Depth Equal to or less than 5')
- Concrete Removal and Concrete Structures

3.0' Epoxy Crack Injection

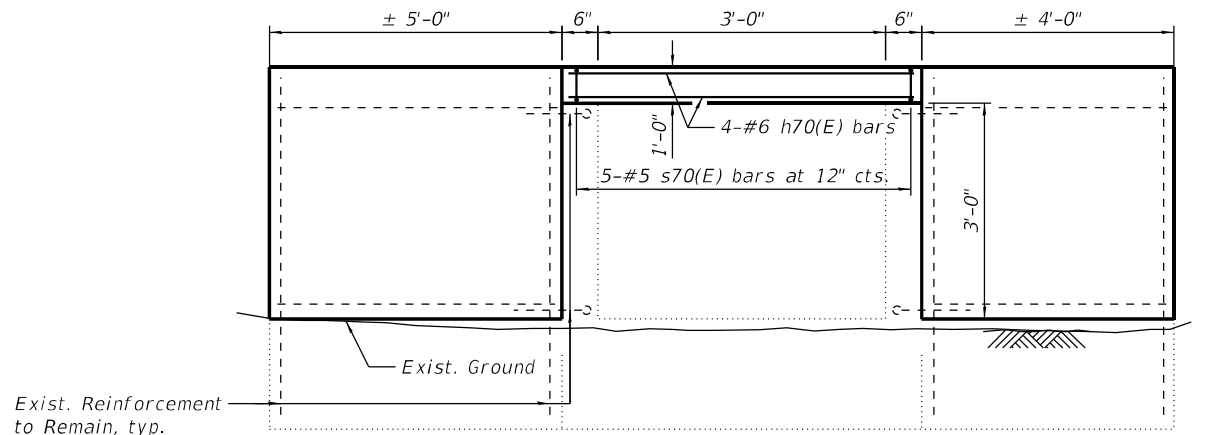
SF = Square Feet



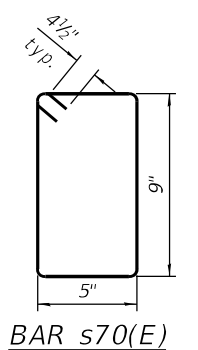
**SECTION THRU HEADWALL**



**EAST END VIEW**  
 (West End View - Similar but Opposite Hand)



**EAST END VIEW**  
 (West End View - Similar but Opposite Hand)



**BAR s70(E)**

**GENERAL NOTES**

1. Culvert repairs to be performed during low flow.
2. Reinforcement Bars designated (E) shall be epoxy coated.
3. 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.
4. Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with the cost of Concrete Structures.
5. All excavation and backfilling required to perform headwall and wingwall removal and replacement shall be included in the cost of Concrete Structures.
6. Areas shown for Concrete Repairs are estimated. The Engineer shall mark the areas in the field and show the actual areas on As-built plans.
7. The 2 year peak flow rate is 381 cfs.

**BILL OF MATERIAL**  
 (Both Ends)

Bar	No.	Size	Length	Shape
h70(E)	8	#6	3'-8"	—
s70(E)	10	#4	3'-1"	□
Concrete Removal		Cu Yd	2.0	
Concrete Structures		Cu Yd	2.0	
Reinforcement Bars, Epoxy Coated		Pound	70	
Epoxy Crack Injection		Ft	3	
Structural Repair of Concrete (Depth Equal to or Less than 5")		Sq Ft	2	
Concrete Sealer		Sq Ft	100	



USER NAME =	DESIGNED - SAT	REVISED -
PLOT SCALE =	CHECKED - SPS	REVISED -
PLOT DATE =	DRAWN - JN	REVISED -
	CHECKED - JMT	REVISED -

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

**CULVERT REPAIR DETAILS**  
**McCUE RD. OVER DRAINAGE DITCH**

SHEET 2 OF 2 SHEETS

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY McHENRY	TOTAL SHEETS 300	SHEET NO. 208
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				



Benchmark: Railroad spike in power pole at south side of IL 176 approximately 50' from Gee Road. Elev. 856.55.

Existing Structure: Existing Structure is a cast-in-place single cell box culvert 2'X2' carrying IL 176 over a ditch. The structure is located approximately 980' W. of Gee Rd. The structure is extended 10'-0" with a corrugated metal pipe at north end. Total length of the structure including metal pipe extension is 50'-0".

No salvage.

**INDEX OF SHEETS**

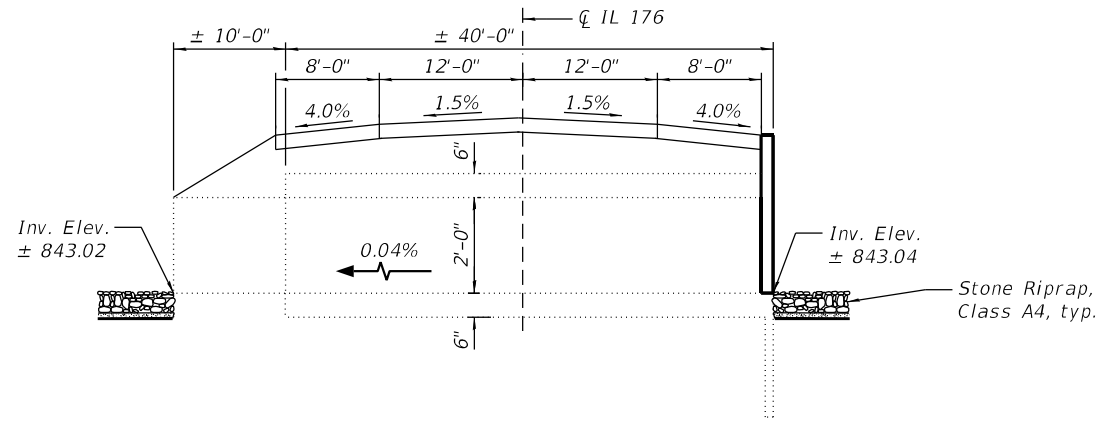
1. General Plan
2. Culvert Repair Details

**SCOPE OF WORK**

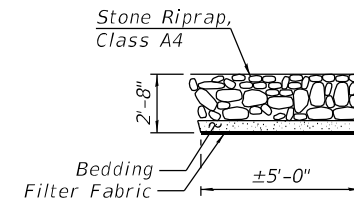
1. Perform headwall repairs, Structural Repair of Concrete and Low Pressure Epoxy Injection.
2. Remove debris at upstream and downstream ends of the culvert.
3. Clean existing box culvert.
4. Install riprap at upstream and downstream ends.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	4
Filter Fabric	Sq. Yd.	4
Concrete Removal	Cu. Yd.	0.9
Concrete Structures	Cu. Yd.	0.9
Reinforcement Bars, Epoxy Coated	Pound	130
Epoxy Crack Injection	Foot	2
Box Culverts to be Cleaned	Each	1
Structural Repair of Concrete (Depth Equal to or less than 5")	Sq. Ft.	2
Debris Removal	L. Sum	0.17
Concrete Sealer	Sq. Ft.	37



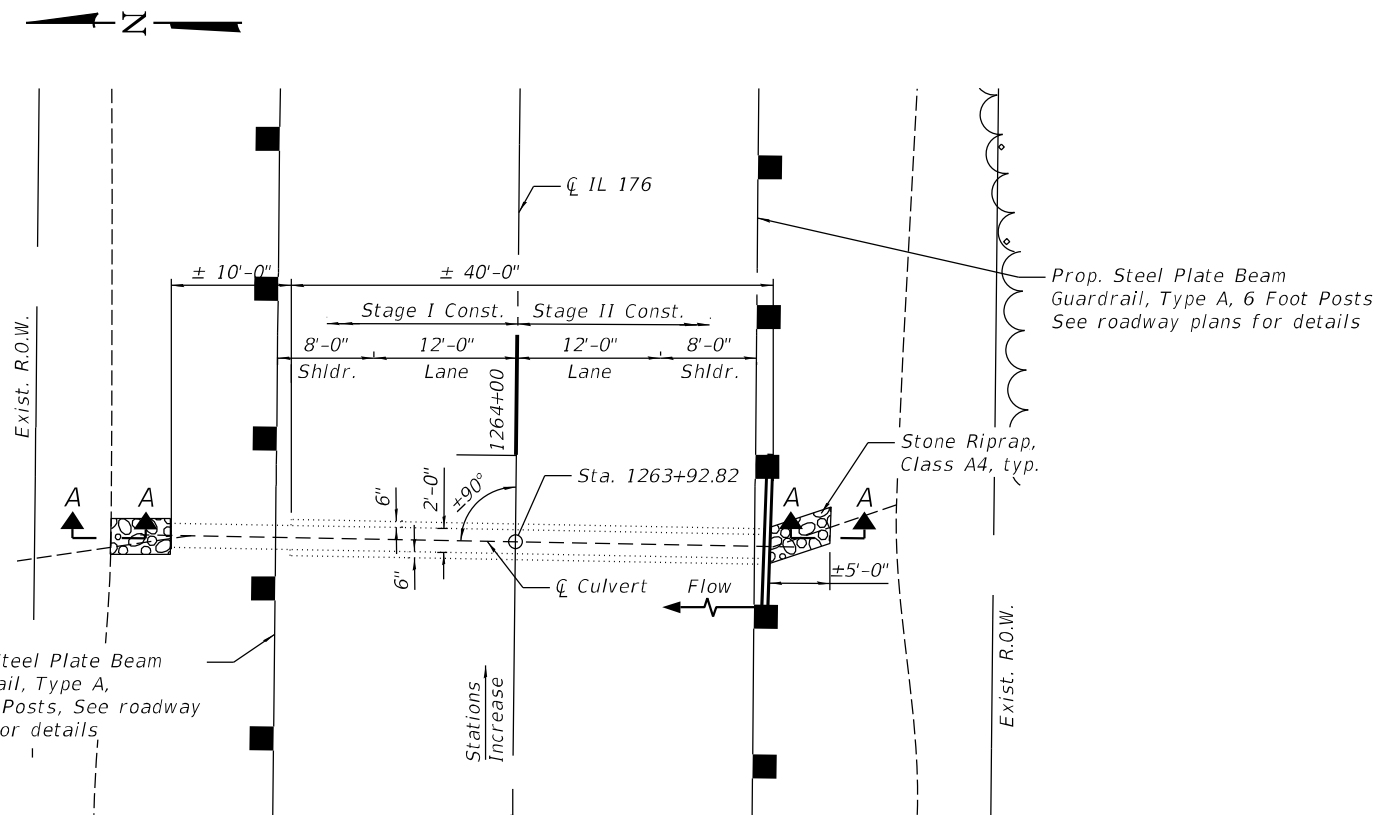
**LONGITUDINAL SECTION**



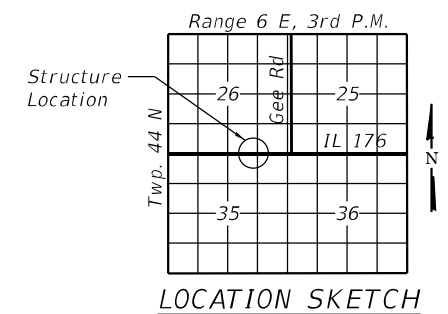
**SECTION A-A**



DATE SIGNED: 06/18/2021  
EXP. DATE: 11/30/2022



**PLAN**



**GENERAL PLAN**  
**IL-176 CULVERT, 980' W. OF GEE RD.**  
**OVER DRAINAGE DITCH**  
**SECTION NO. (119 & 105) C&W-1**  
**McHENRY COUNTY**  
**STATION 1263+92.82**

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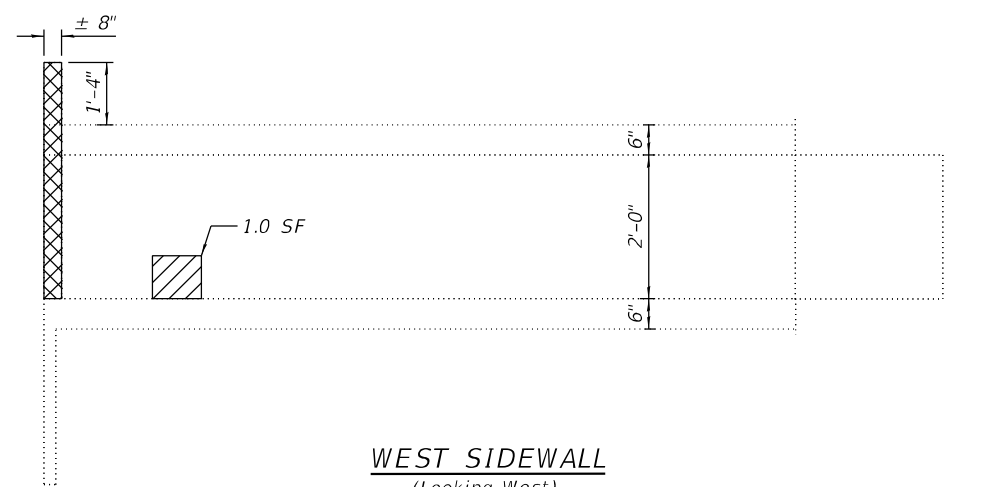
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CHECKED - SPS	REVISIONS -	
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PLOT DATE =	CHECKED - JMT	REVISED -

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

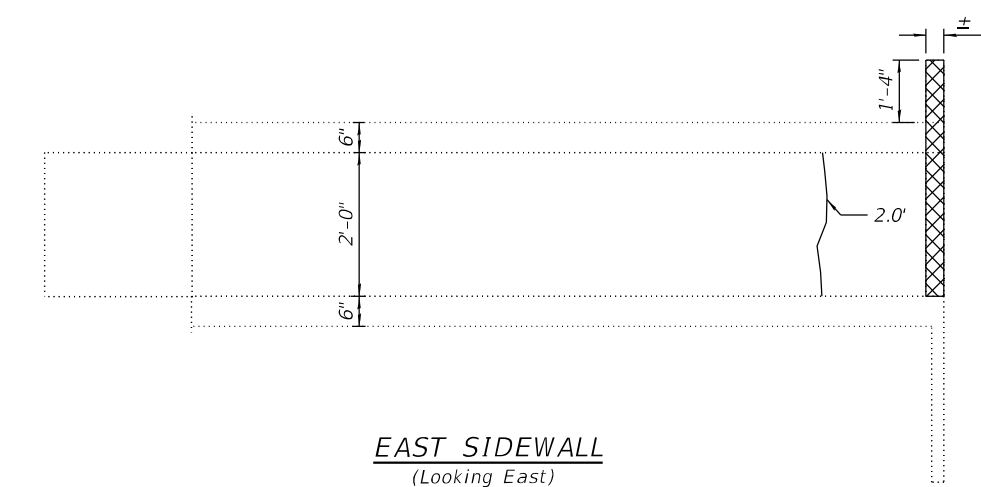
**IL RTE. 176 STA. 1263+92.82 OVER DRAINAGE DITCH**

SHEET 1 OF 2 SHEETS

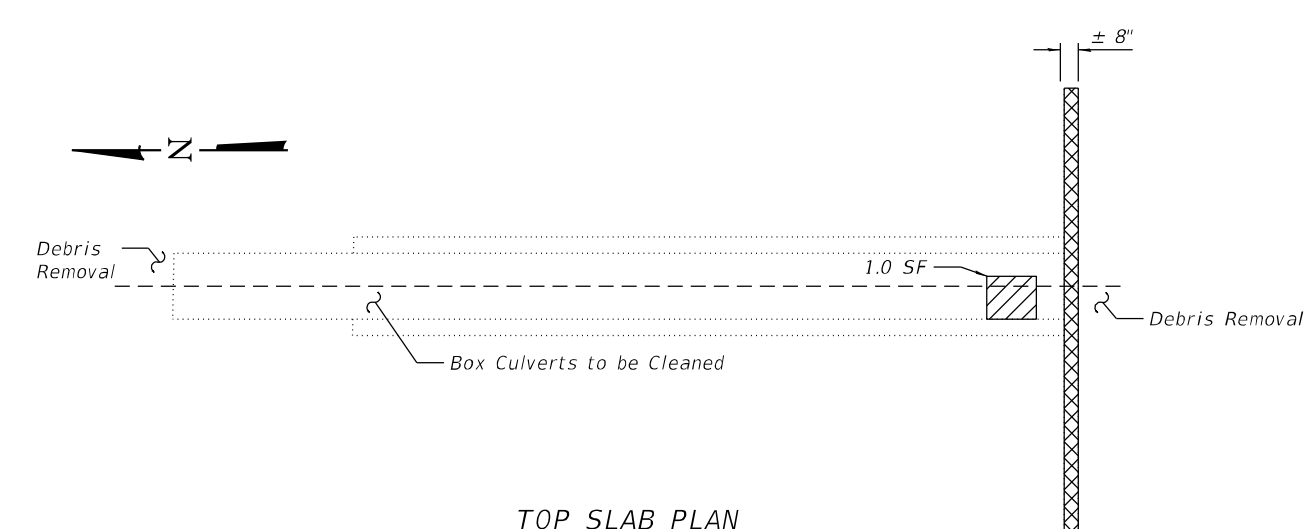
F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY McHENRY	TOTAL SHEETS 300	SHEET NO. 209
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				



**WEST SIDEWALL**  
(Looking West)



**EAST SIDEWALL**  
(Looking East)

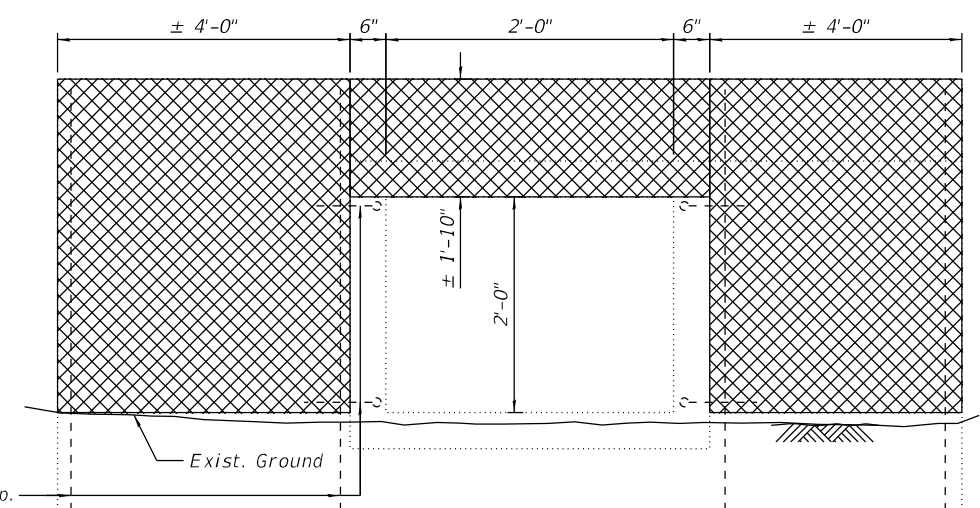


**TOP SLAB PLAN**

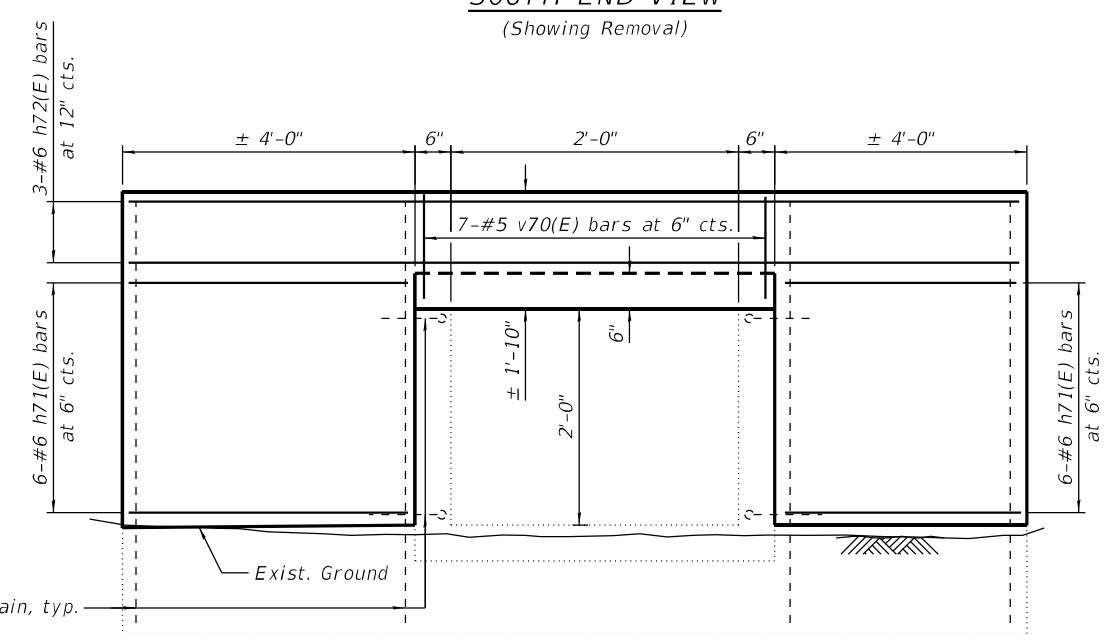
**LEGEND**

- Structural Repair of Concrete (Depth Equal to or less than 5")
- Concrete Removal and Concrete Structures
- 3.0' Epoxy Crack Injection

SF = Square Feet



**SOUTH END VIEW**  
(Showing Removal)



**SOUTH END VIEW**  
(Showing Reinforcement)

**GENERAL NOTES**

1. Culvert repairs to be performed during low flow.
2. Reinforcement Bars designated (E) shall be epoxy coated.
3. 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.
4. Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with the cost of Concrete Removal.
5. All excavation and backfilling required to perform headwall and wingwall removal and replacement shall be included in the cost of Concrete Structures.
6. Areas shown for Concrete Repairs are estimated. The Engineer shall mark the areas in the field and show the actual areas on As-built plans.
7. The 2 year peak flow rate is 14.8 cfs.

**BILL OF MATERIAL**  
(South End Only)

Bar	No.	Size	Length	Shape
h71(E)	12	#6	3'-8"	—
h72(E)	3	#6	10'-8"	—
v70(E)	7	#5	1'-6"	—
Concrete Removal		Cu Yd	0.9	
Concrete Structures		Cu Yd	0.9	
Reinforcement Bars, Epoxy Coated		Pound	130	
Epoxy Crack Injection		Ft	2	
Structural Repair of Concrete (Depth Equal to or Less than 5")		Sq Ft	2	
Concrete Sealer		Sq Ft	37	

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USER NAME =	DESIGNED - SAT	REVISED -
PLOT SCALE =	CHECKED - SPS	REVISED -
PLOT DATE =	DRAWN - JN	REVISED -
	CHECKED - JMT	REVISED -

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

**CULVERT REPAIR DETAILS**  
**IL RTE. 176 STA. 1263+92.82 OVER DRAINAGE DITCH**

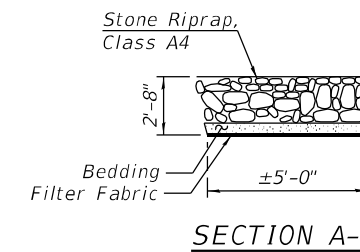
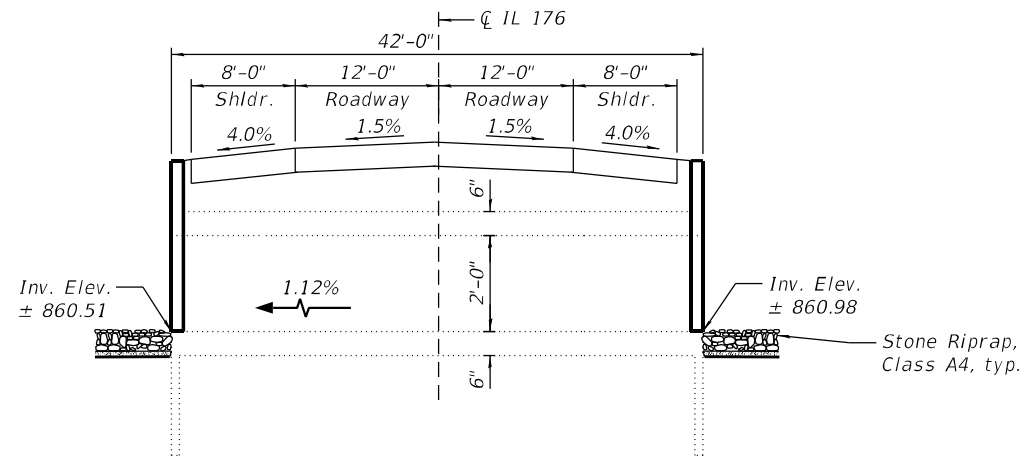
SHEET 2 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	210
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				

Benchmark: Railroad spike in power pole at south side of IL 176 approximately 50' from Gee Road. Elev. 856.55.

Existing Structure: Existing Structure is a cast-in-place single cell box culvert 2'X2' carrying IL 176 over a ditch. The structure is located approximately 475' W. of Timber Lane. Total length of the structure is approximately 42'-0" out to out of headwalls.

No salvage.



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	4
Filter Fabric	Sq. Yd.	4
Concrete Removal	Cu. Yd.	1.8
Concrete Structures	Cu. Yd.	1.8
Reinforcement Bars, Epoxy Coated	Pound	260
Epoxy Crack Injection	Foot	1
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq Ft	1
Box Culverts to be Cleaned	Each	1
Debris Removal	L. Sum	0.17
Concrete Sealer	Sq Ft	73

INDEX OF SHEETS

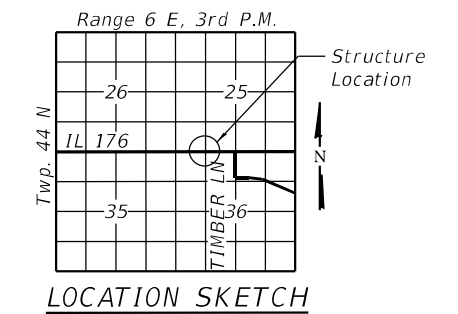
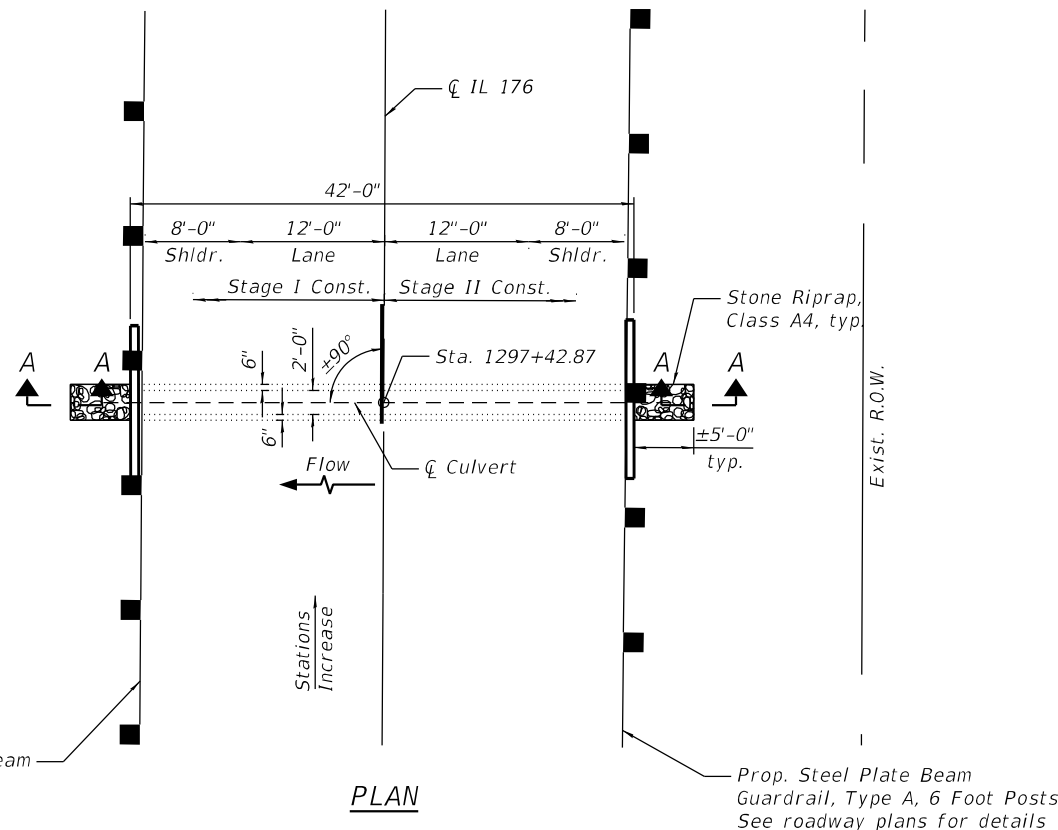
- General Plan & Elevation
- Culvert Repair Details

SCOPE OF WORK

- Perform headwall repairs, Structural Repair of Concrete and Low Pressure Epoxy Injection.
- Remove debris at upstream and downstream ends of the culvert.
- Clean existing box culvert.
- Install riprap at upstream and downstream ends.



DATE SIGNED: 06/18/2021  
EXP. DATE: 11/30/2022



GENERAL PLAN  
IL-176 CULVERT, 475' W. OF TIMBER LN.  
OVER DRAINAGE DITCH  
SECTION NO. (119 & 105) C&W-1  
McHENRY COUNTY  
STATION 1297+42.87

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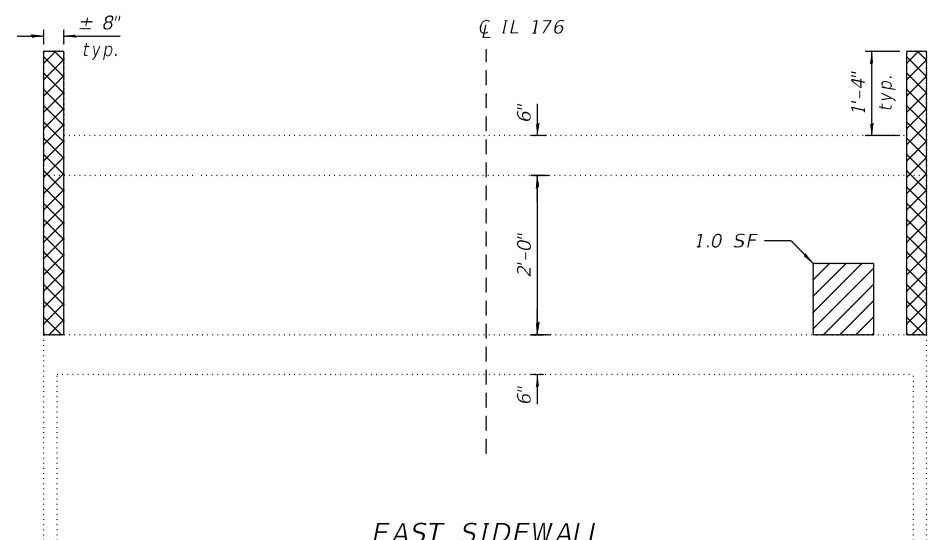
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL RTE. 176 STA. 1297+42.87 OVER DRAINAGE DITCH

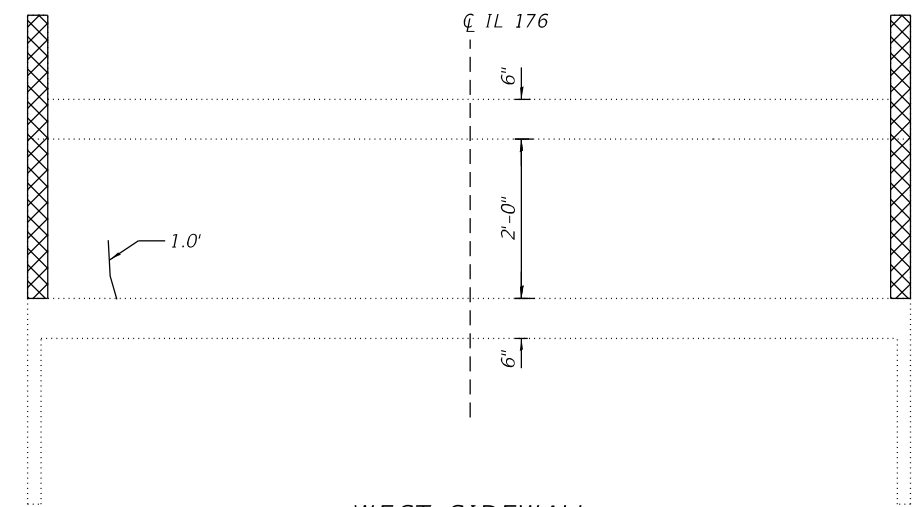
SHEET 1 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				

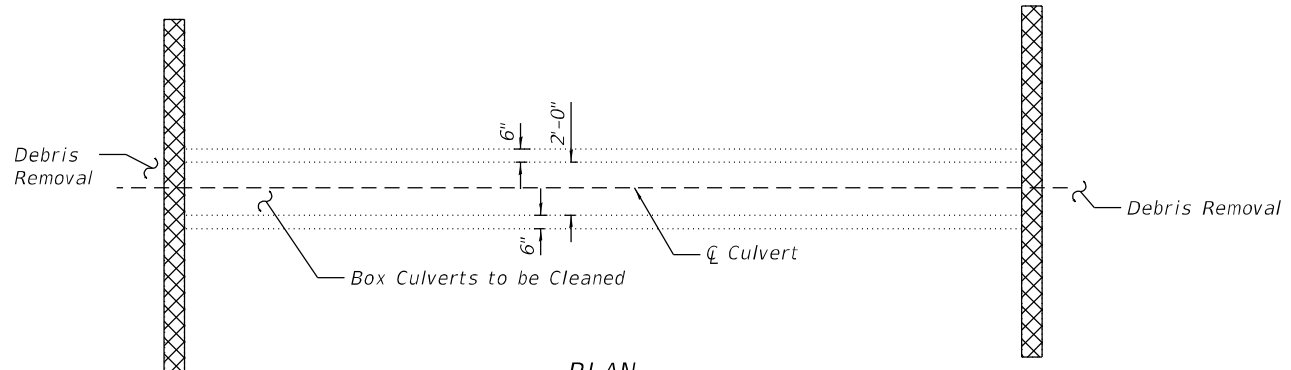
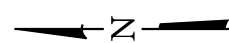
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**EAST SIDEWALL**  
(Looking East)



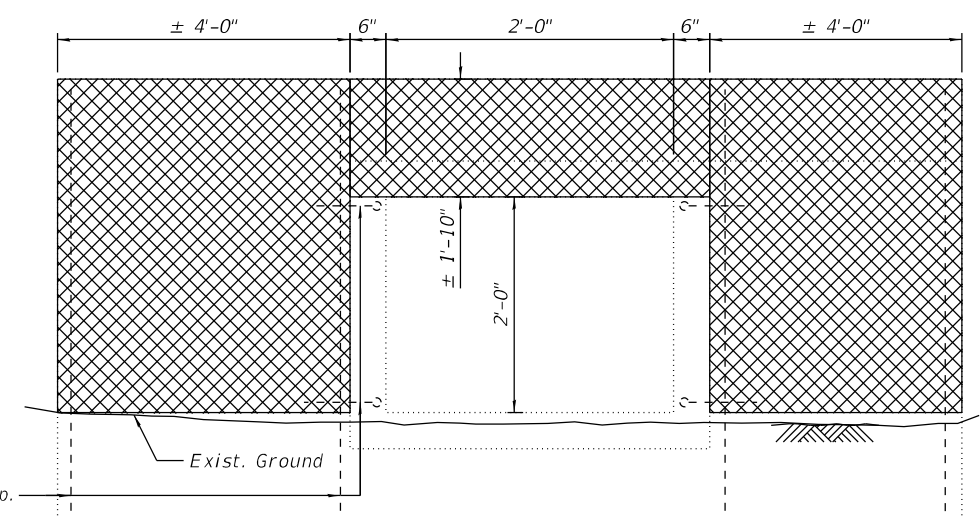
**WEST SIDEWALL**  
(Looking West)



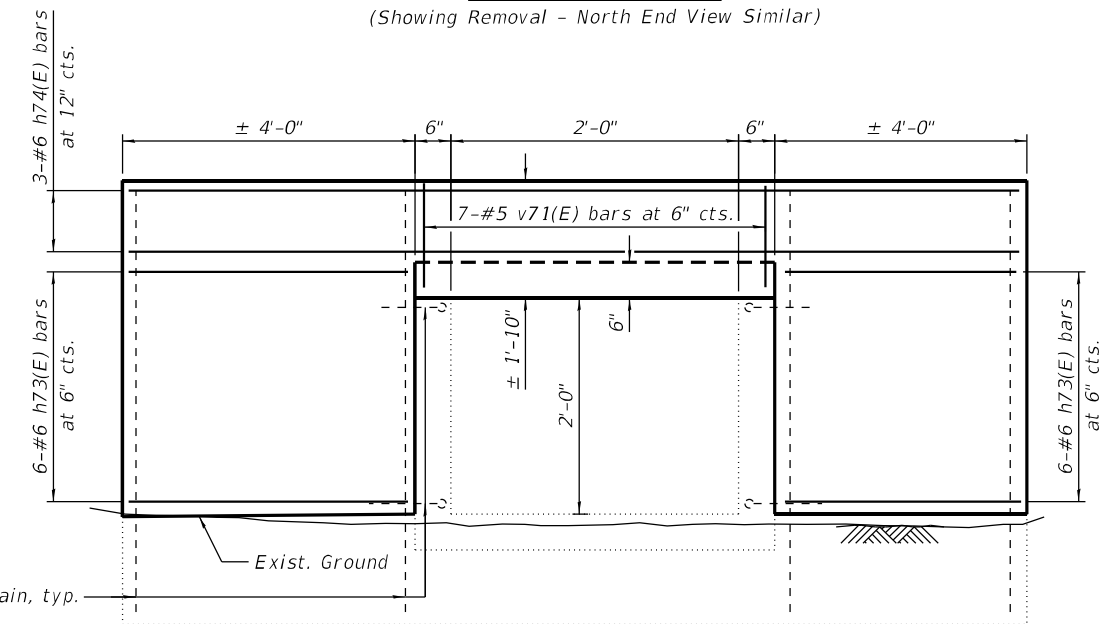
**PLAN**

**LEGEND**

- Structural Repair of Concrete (Depth Equal to or less than 5")
- Concrete Removal and Concrete Structures
- 3.0' Epoxy Crack Injection
- SF = Square Feet



**SOUTH END VIEW**  
(Showing Removal - North End View Similar)



**SOUTH END VIEW**  
(Showing Reinforcement - North End View Similar)

**GENERAL NOTES**

1. Culvert repairs to be performed during low flow.
2. Reinforcement Bars designated (E) shall be epoxy coated.
3. 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.
4. Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with the cost of Concrete Removal.
5. All excavation and backfilling required to perform headwall and wingwall removal and replacement shall be included in the cost of Concrete Structures.
6. Areas shown for Concrete Repairs are estimated. The Engineer shall mark the areas in the field and show the actual areas on As-built plans.
7. The 2 year peak flow rate is 381 cfs.

**BILL OF MATERIAL**  
(Both Ends)

Bar	No.	Size	Length	Shape
h73(E)	24	#6	3'-8"	—
h74(E)	6	#6	10'-8"	—
v71(E)	14	#5	1'-6"	—
Concrete Removal		Cu Yd	1.8	
Concrete Structures		Cu Yd	1.8	
Reinforcement Bars, Epoxy Coated		Pound	260	
Epoxy Crack Injection		Ft	1	
Structural Repair of Concrete (Depth Equal to or Less than 5")		Sq Ft	1	
Concrete Sealer		Sq Ft	73	



USER NAME =	DESIGNED - SAT	REVISED -
CHECKED - SPS	REVISIONS -	
PLOT SCALE =	DRAWN - JN	REVISED -
PLOT DATE =	CHECKED - JMT	REVISED -

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

**CULVERT REPAIR DETAILS**  
**IL RTE. 176 STA. 1297+42.87 OVER DRAINAGE DITCH**

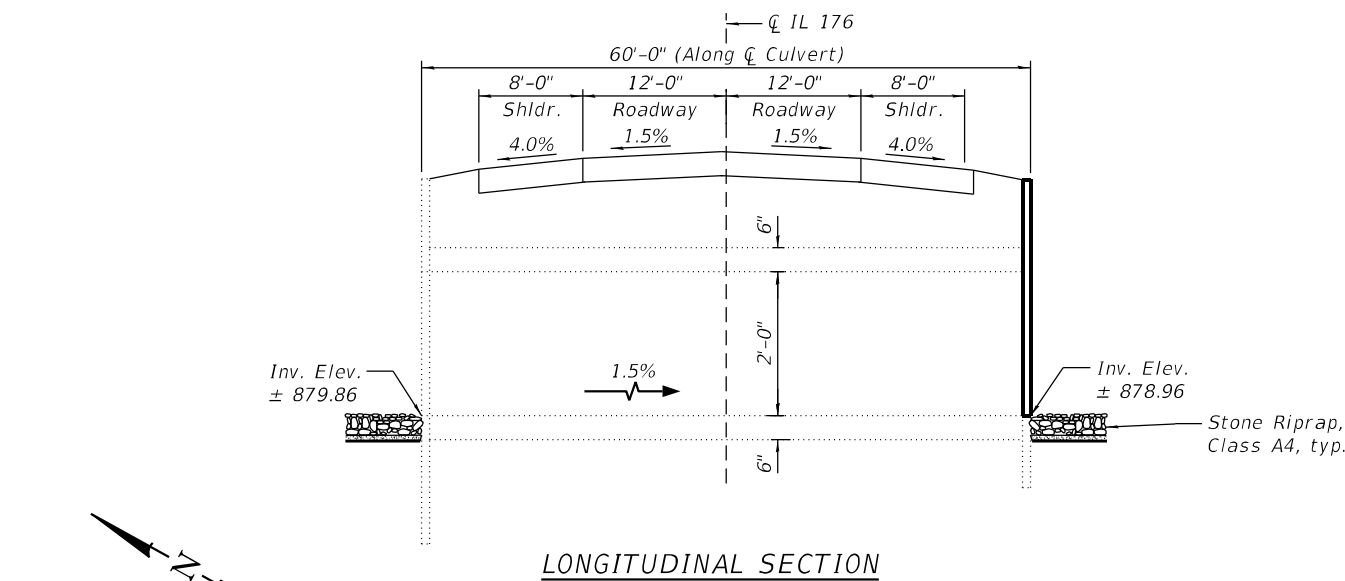
SHEET 2 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				

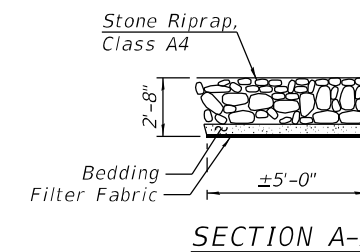
Benchmark: Railroad spike in power pole on northwest corner of IL 176 and Sunnyside Road. Elev. 887.38.

Existing Structure: Existing Structure is a cast-in-place single cell box culvert 2'X2' carrying IL 176 over a ditch. The structure is located approximately 1380' E. of Sunnyside Rd. The structure is at a 30° Skew to the right. Total length of the structure is approximately 60'-0" out to out of headwalls along the skew.

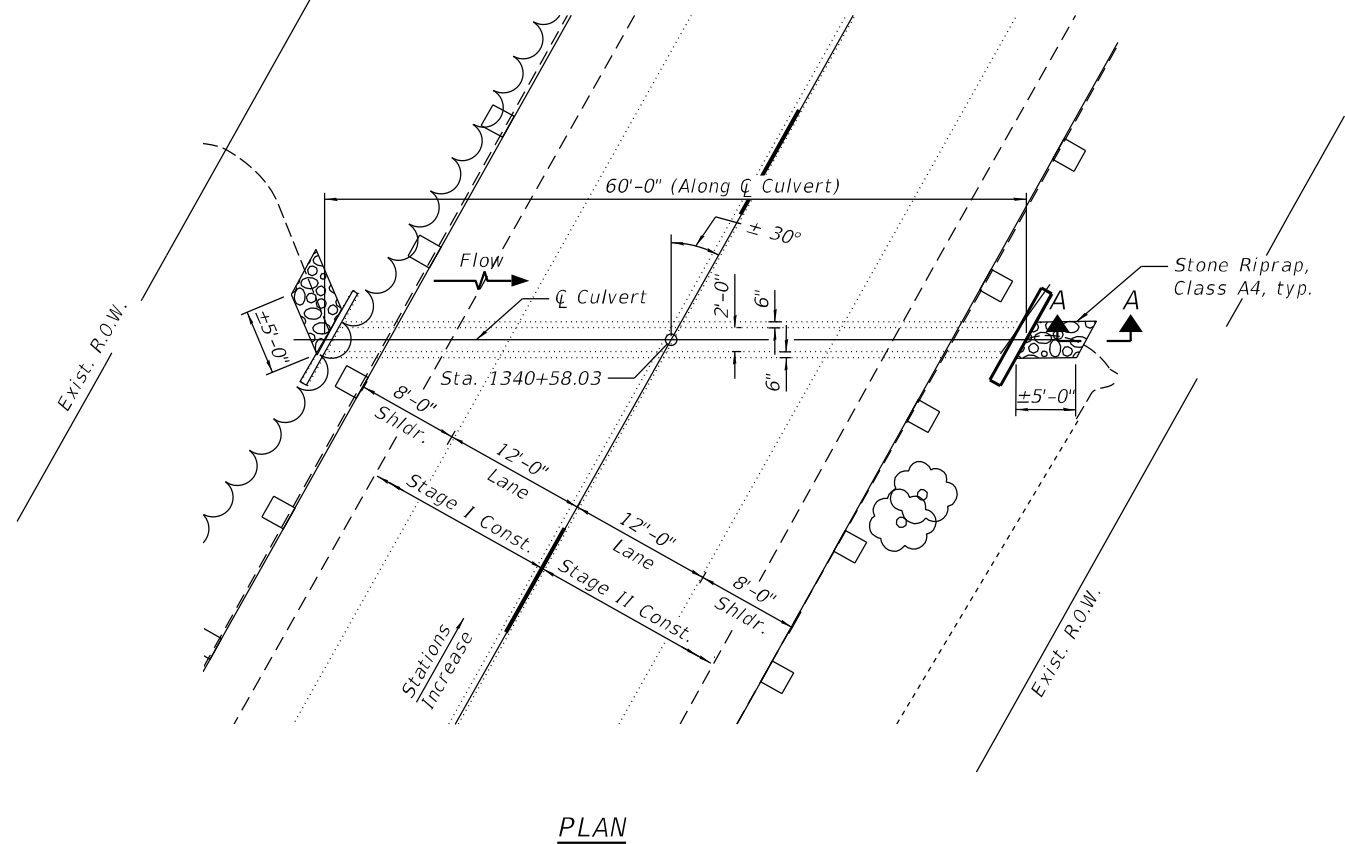
No salvage.



LONGITUDINAL SECTION



SECTION A-A



PLAN

**INDEX OF SHEETS**

1. General Plan
2. Culvert Repair Details

**SCOPE OF WORK**

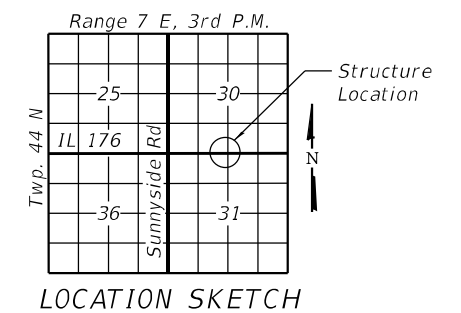
1. Perform headwall repairs, Structural Repair of Concrete and Low Pressure Epoxy Injection.
2. Remove debris at upstream and downstream ends of the culvert.
3. Clean existing box culvert.
4. Install riprap at upstream and downstream ends.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	4
Filter Fabric	Sq. Yd.	4
Concrete Removal	Cu. Yd.	0.9
Concrete Structures	Cu. Yd.	0.9
Reinforcement Bars, Epoxy Coated	Pound	130
Epoxy Crack Injection	Foot	4
Box Culverts to be Cleaned	Each	1
Structural Repair of Concrete (Depth Equal to or less than 5")	Sq. Ft.	3
Structural Repair of Concrete (Depth Greater than 5")	Sq. Ft.	10
Debris Removal	L. Sum	0.15
Concrete Sealer	Sq. Ft.	37



DATE SIGNED: 06/18/2021  
EXP. DATE: 11/30/2022



**GENERAL PLAN**  
**IL-176 CULVERT, 1380' E. OF SUNNYSIDE RD.**  
**OVER DRAINAGE DITCH**  
**SECTION NO. (119 & 105) C&W-1**  
**McHENRY COUNTY**  
**STATION 1340+58.03**

MODEL: Default  
FILE NAME: Q:\Engineering\Live\Projects\13045\_IDOT IL 176\CADD\CADD Sheets\Structural\62G35-016-1380' E. Sunnyside\_GPE.dgn

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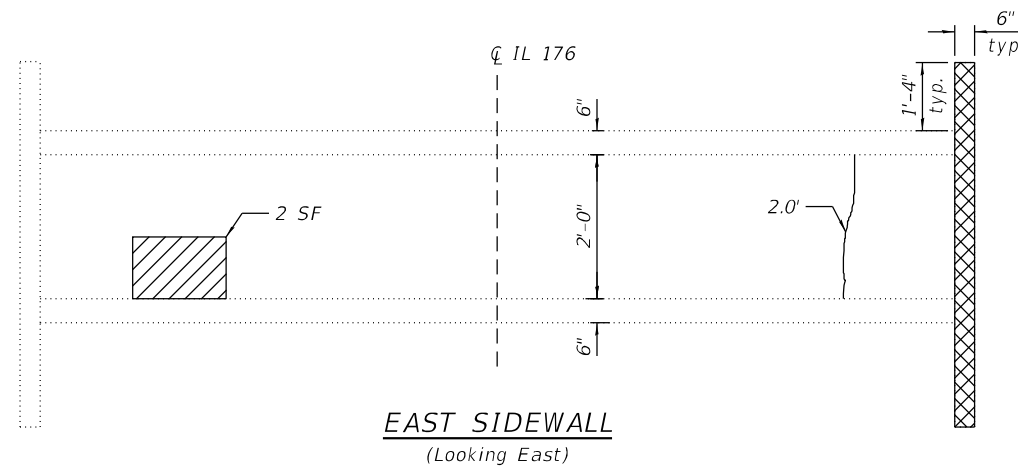
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CHECKED - SPS	REVISIONS -	
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PLOT DATE =	CHECKED - JMT	REVISED -

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

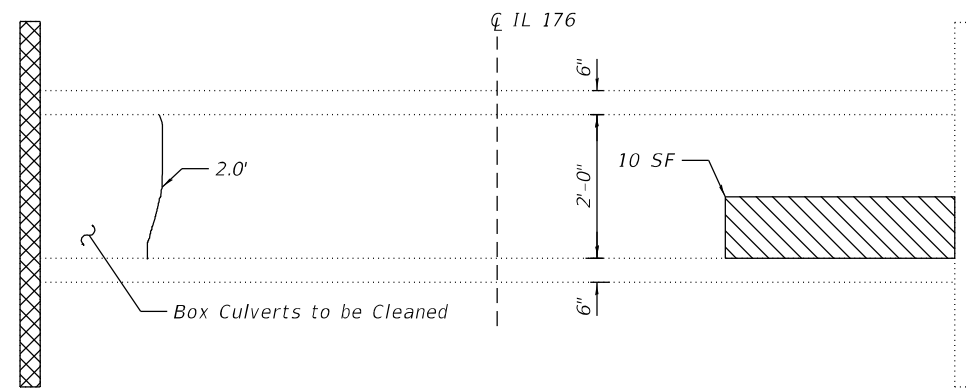
**IL RTE. 176 STA. 1340+58.03 OVER DRAINAGE DITCH**

SHEET 1 OF 2 SHEETS

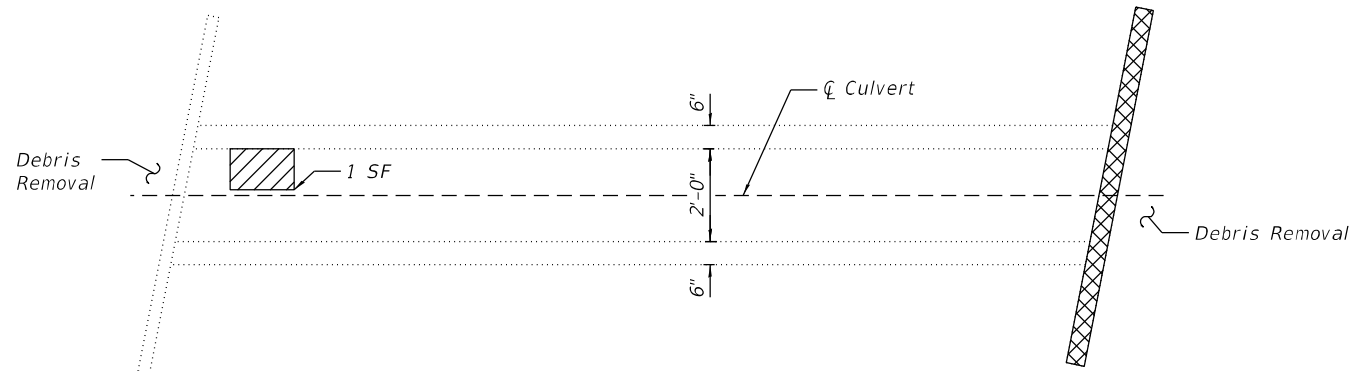
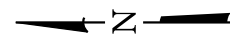
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	213
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				



**EAST SIDEWALL**  
(Looking East)



**WEST SIDEWALL**  
(Looking West)

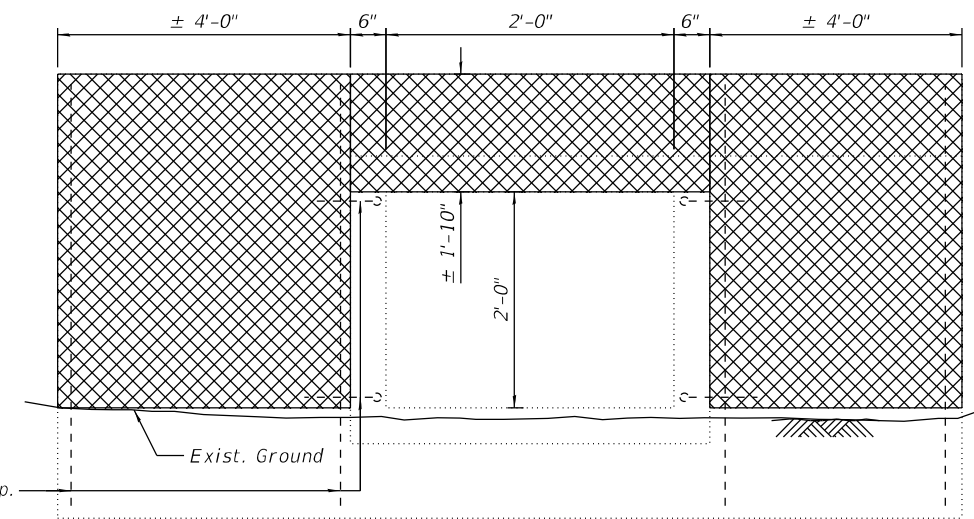


**TOP SLAB PLAN**

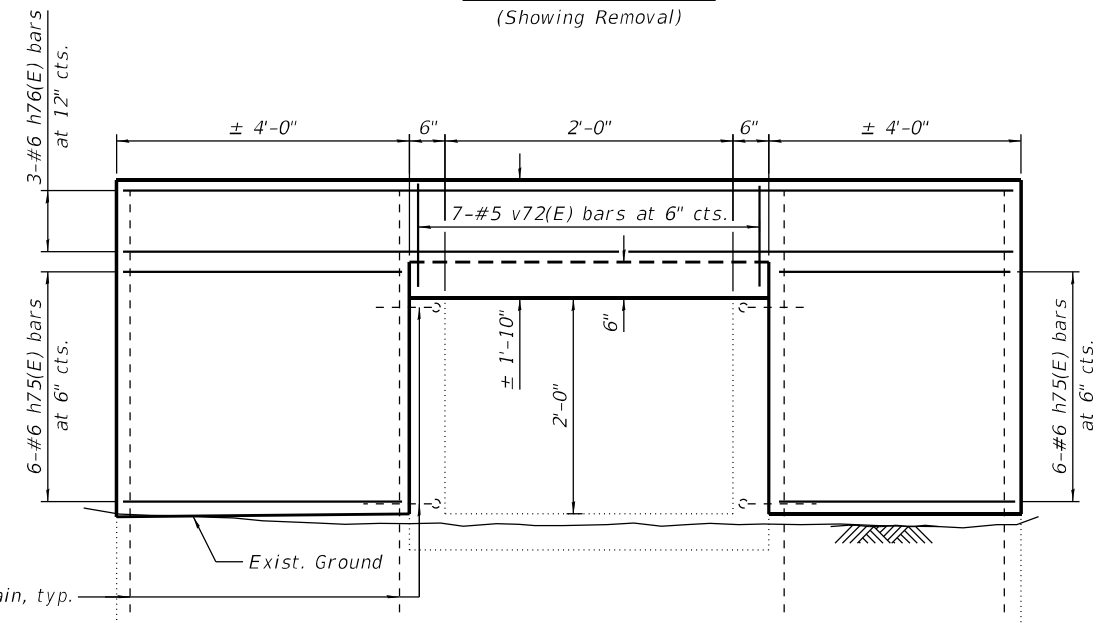
**LEGEND**

- Structural Repair of Concrete (Depth Equal to or less than 5")
- Structural Repair of Concrete (Depth Greater than 5")
- Concrete Removal and Concrete Structures
- 3.0' Epoxy Crack Injection

SF = Square Feet



**SOUTH END VIEW**  
(Showing Removal)



**SOUTH END VIEW**  
(Showing Reinforcement)

**GENERAL NOTES**

1. Culvert repairs to be performed during low flow.
2. Reinforcement Bars designated (E) shall be epoxy coated.
3. 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.
4. Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with the cost of Concrete Removal.
5. All excavation and backfilling required to perform headwall and wingwall removal and replacement shall be included in the cost of Concrete Structures.
6. Areas shown for Concrete Repairs are estimated. The Engineer shall mark the areas in the field and show the actual areas on As-built plans.
7. The 2 year peak flow rate is 381 cfs.

**BILL OF MATERIAL**  
(South End Only)

Bar	No.	Size	Length	Shape
h75(E)	12	#6	3'-8"	
h76(E)	3	#6	10'-8"	
v72(E)	7	#5	1'-6"	
Concrete Removal		Cu Yd	0.9	
Concrete Structures		Cu Yd	0.9	
Reinforcement Bars, Epoxy Coated		Pound	130	
Epoxy Crack Injection		Ft	4	
Structural Repair of Concrete (Depth Equal to or Less than 5")		Sq Ft	3	
Structural Repair of Concrete (Depth Greater than 5")		Sq Ft	10	
Concrete Sealer		Sq Ft	37	

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CHECKED - SPS	REVISIONS -	
PLOT SCALE =	DRAWN - JN	REVISED -
PLOT DATE =	CHECKED - JMT	REVISED -

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

**CULVERT REPAIR DETAILS**  
**IL RTE. 176 STA. 1340+58.03 OVER DRAINAGE DITCH**

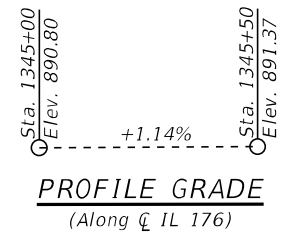
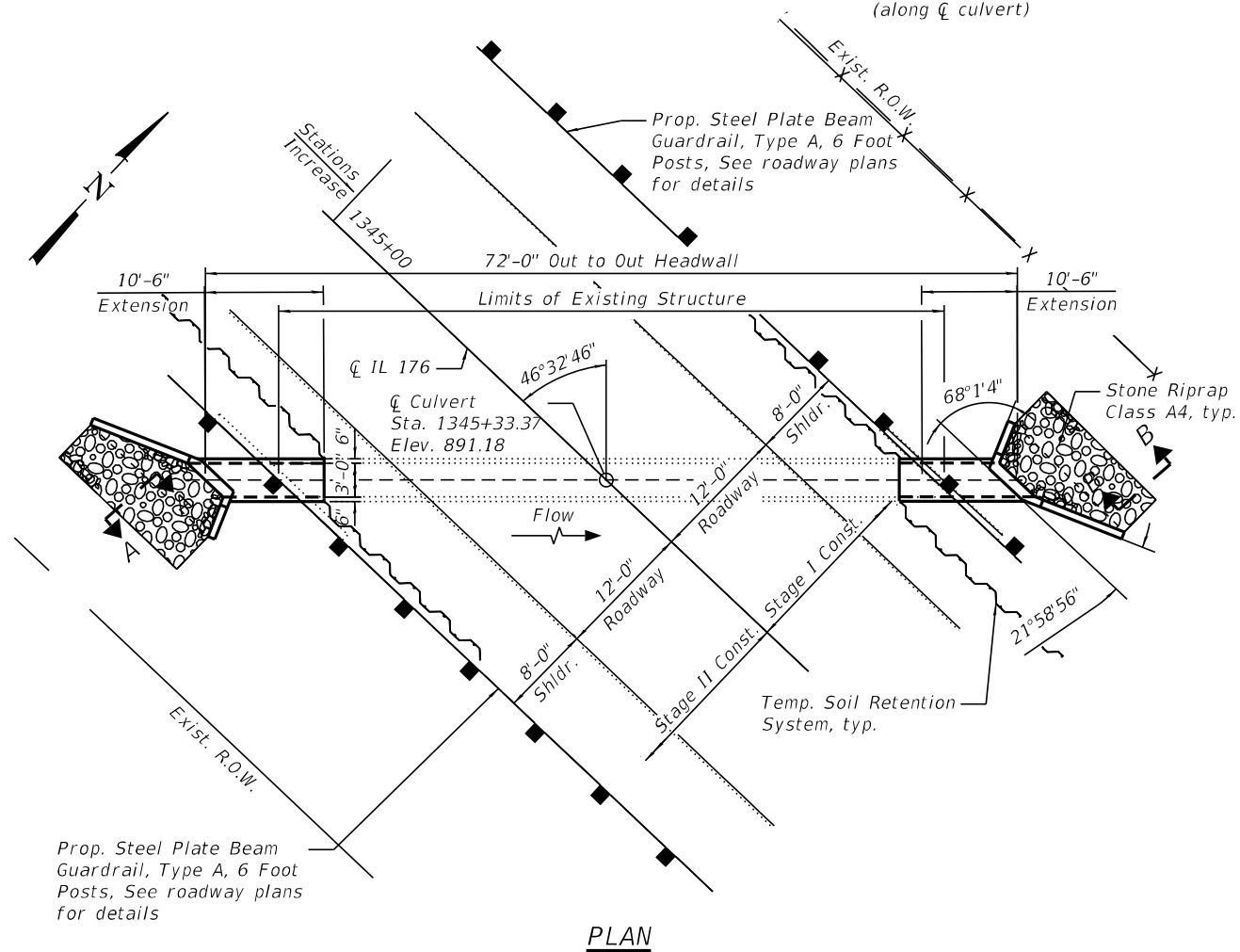
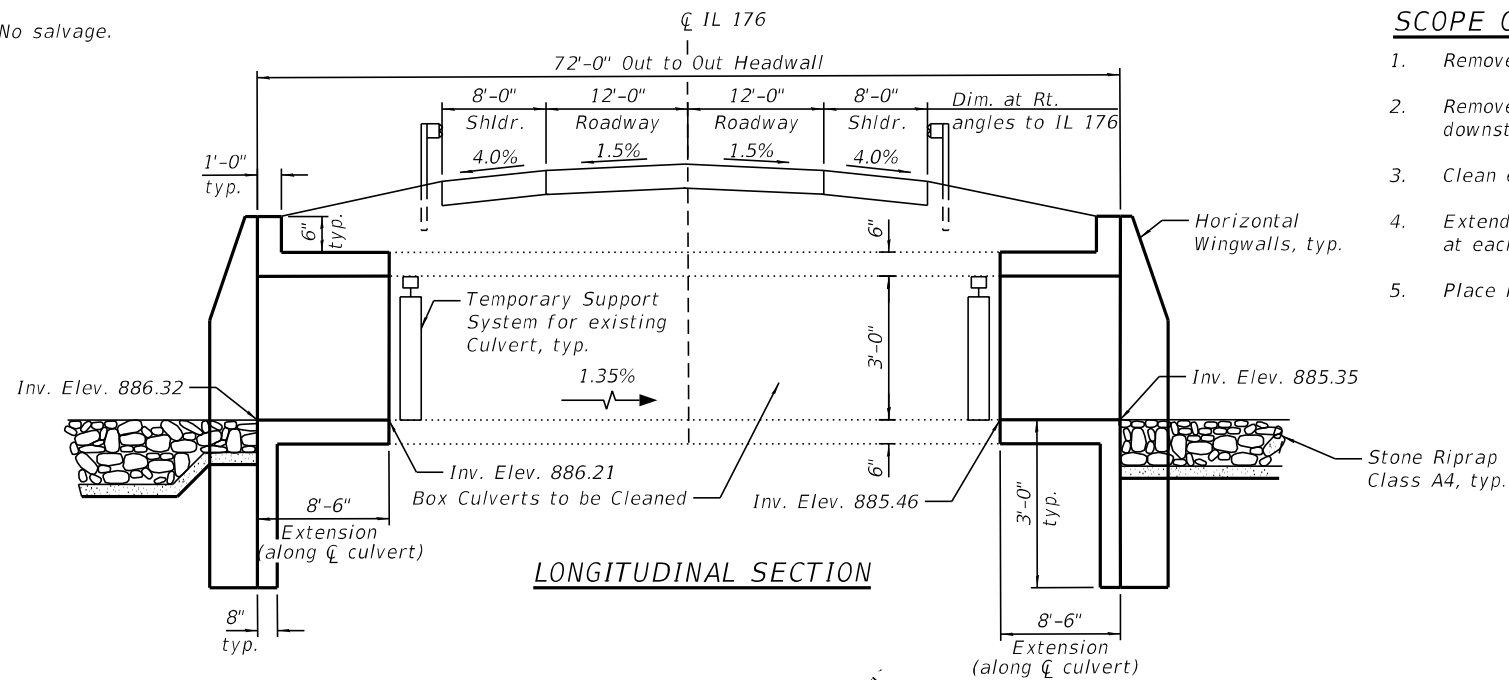
SHEET 2 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	214
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				

Benchmark: Railroad spike in power pole on northwest corner of IL 176 and Sunnyside Road. Elev. 887.38.

Existing Structure: Existing Structure is a cast-in-place single cell box culvert 3'W X 3'H carrying IL 176 over a ditch. The structure is located approximately 1880' E. of Sunnyside Rd. Total length of the structure is 59'-0". The structure is at approximately 46° Skew to the left. Staged construction will be utilized during construction.

No salvage.



**INDEX OF SHEETS**

1. General Plan
2. Culvert Extension Details

**SCOPE OF WORK**

1. Remove 2'-0" of culvert at each end.
2. Remove debris in channel at upstream and downstream ends.
3. Clean existing box culvert.
4. Extend the culvert to the proposed length at each end.
5. Place riprap at upstream and downstream ends.

**GENERAL NOTES**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Concrete Sealer shall be applied to the top and outside face of the horizontal cantilever wingwalls, and headwalls.
3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
4. All excavation required for the construction of the culvert in accordance with the Standard Specifications shall be included with the cost of Concrete Box Culverts.
5. Areas of excavation required for the construction of the culvert shall be backfilled with Granular Backfill for Structures. See Special Provisions for details.
6. 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 actual quantity furnished at the unit price bid for the work.
7. The 2 year peak flow is 381 cfs.
8. Granular Backfill is required a minimum of 2 feet outside of the culvert walls. Cost is included in the cost of Concrete Box Culverts.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	20
Filter Fabric	Sq. Yd.	20
Concrete Removal	Cu. Yd.	6.9
Expansion Bolts, 3/4"	Each	24
Concrete Box Culverts	Cu Yd	10.3
Reinforcement Bars, Epoxy Coated	Pound	2390
Concrete Sealer	Sq Ft	121
Box Culverts to be Cleaned	Each	1
Temporary Soil Retention System	Sq Ft	328
Porous Granular Embankment	Cu. Yd.	19
Temporary Support System	Each	2

**DESIGN SPECIFICATIONS**

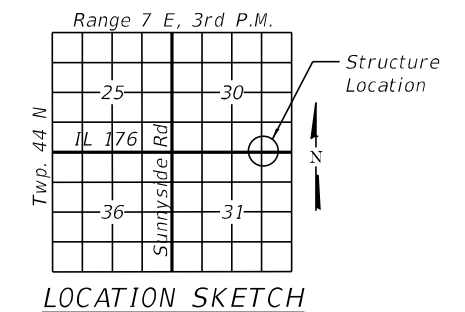
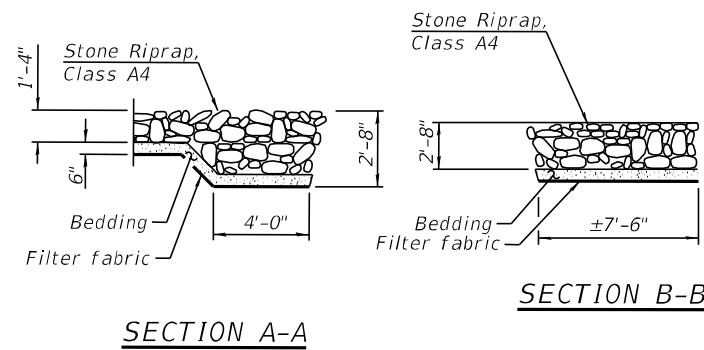
2002 AASHTO Std. Specifications

**DESIGN STRESSES**

FIELD UNITS

f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

**LOADING HS 20-44**



DATE SIGNED: 06/18/2020  
EXP. DATE: 11/30/2022

**GENERAL PLAN**  
IL-176 CULVERT, 1880' E. OF SUNNYSIDE RD.  
OVER DRAINAGE DITCH  
SECTION NO. (119 & 105) C&W-1  
McHENRY COUNTY  
STATION 1345+33.37

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL RTE. 176 STA. 1345+33.37 OVER DRAINAGE DITCH

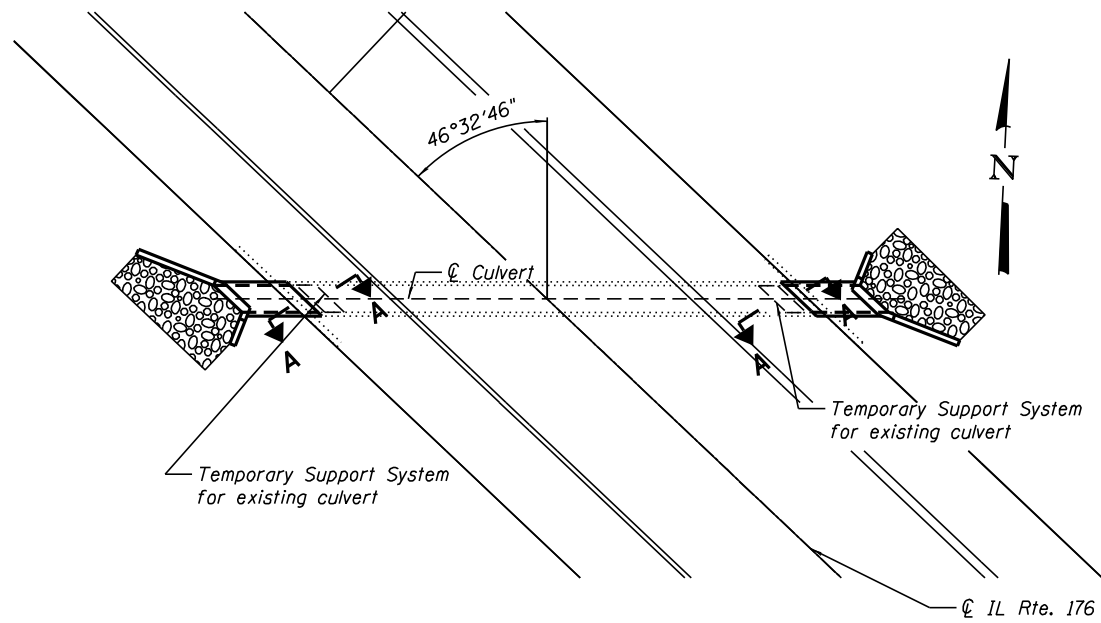
SHEET 1 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	215
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				

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PLOT SCALE =	CHECKED - SPS	REVISED -
PLOT DATE =	DRAWN - JN	REVISED -
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**PLAN**

**GENERAL NOTES**

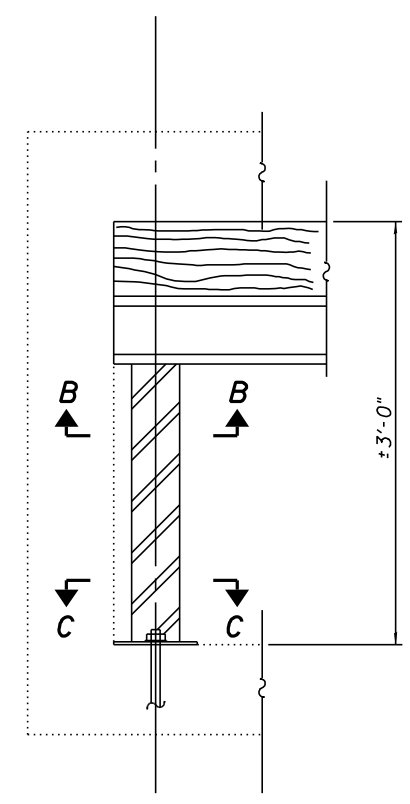
The Contractor shall submit a Temporary Support System design. See special provision for Temporary Support System.

SUMMARY OF REACTIONS	
R DC (Kip/ft)	*0.30
R EV (Kip/ft)	*0.48

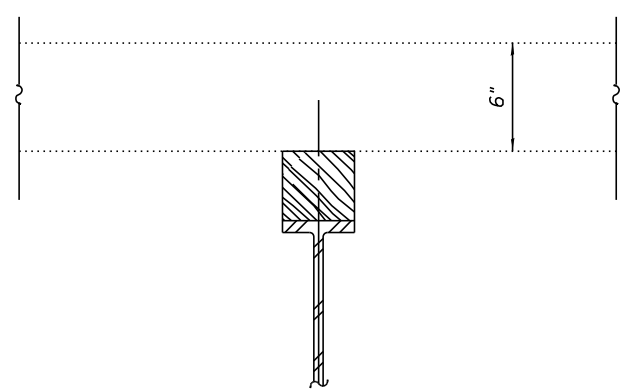
\* Loads calculated are distributed along Temporary Support System.

**BILL OF MATERIAL**

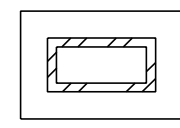
ITEM	UNIT	TOTAL
Temporary Support System	Each	2



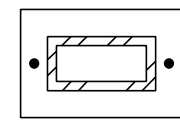
**SECTION AT CULVERT WALLS**



**SECTION A-A**



**SECTION B-B**



**SECTION C-C**

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USER NAME =	DESIGNED - SAT	REVISED -
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PLOT DATE =	CHECKED - JMT	REVISED -

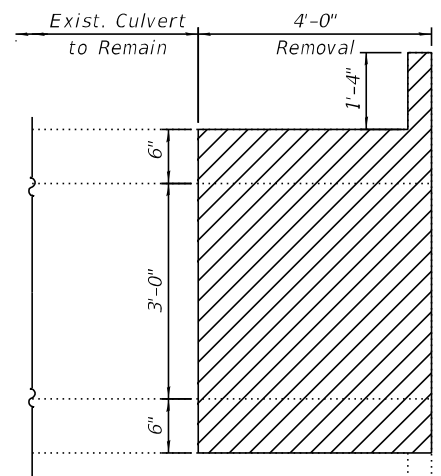
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SHORING DETAILS  
IL RTE. 176 STA. 1345+33.37 OVER DRAINAGE DITCH**

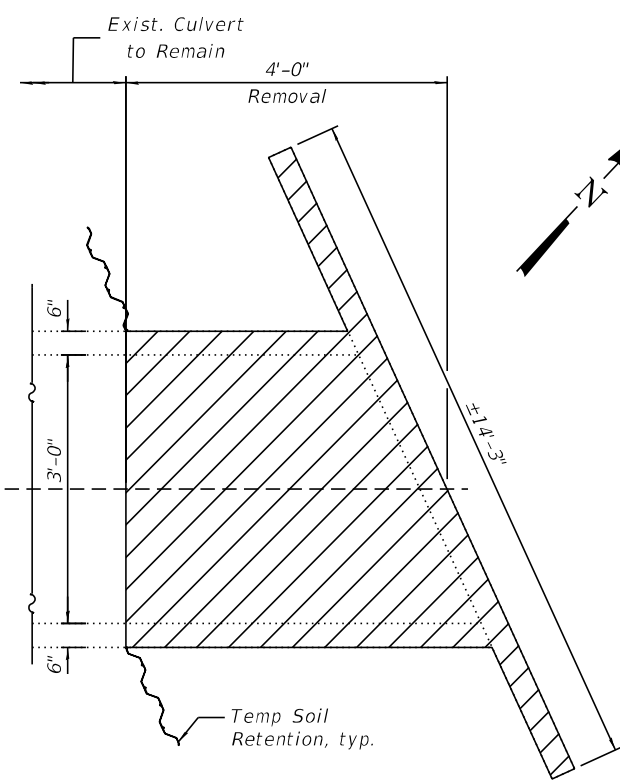
SHEET 2 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				



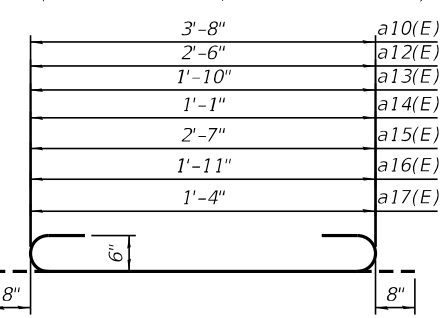


**LONGITUDINAL SECTION**

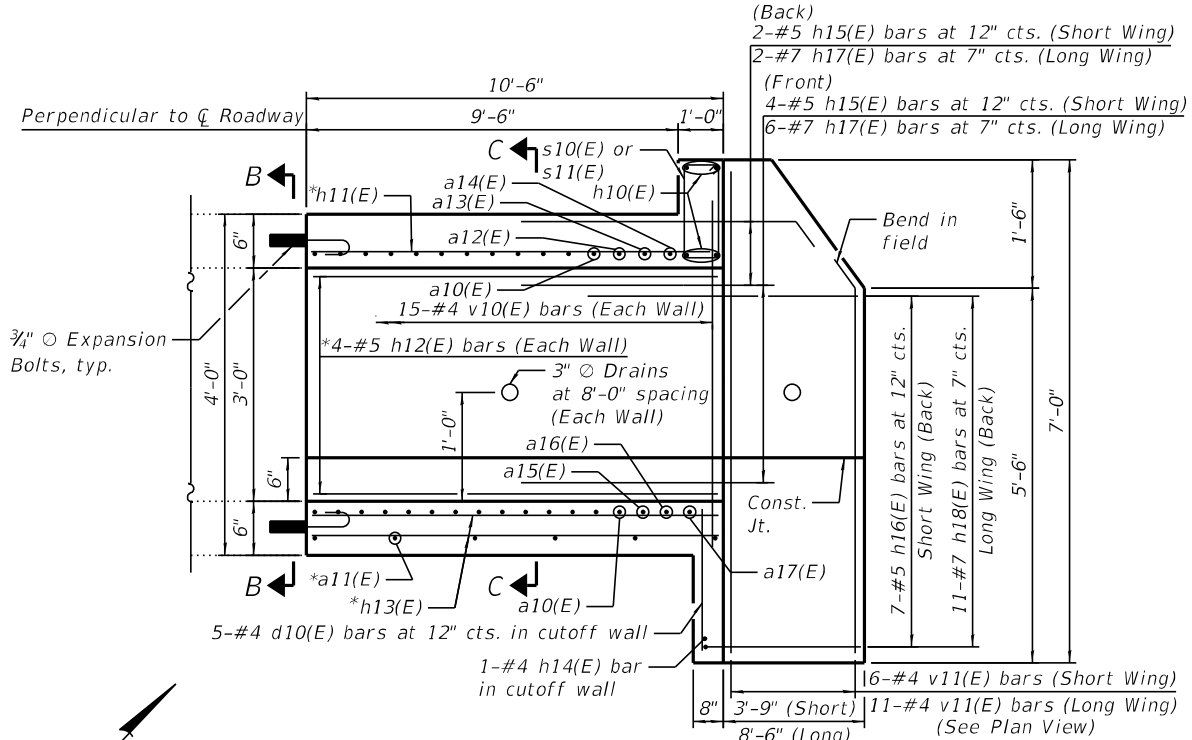


**PLAN**

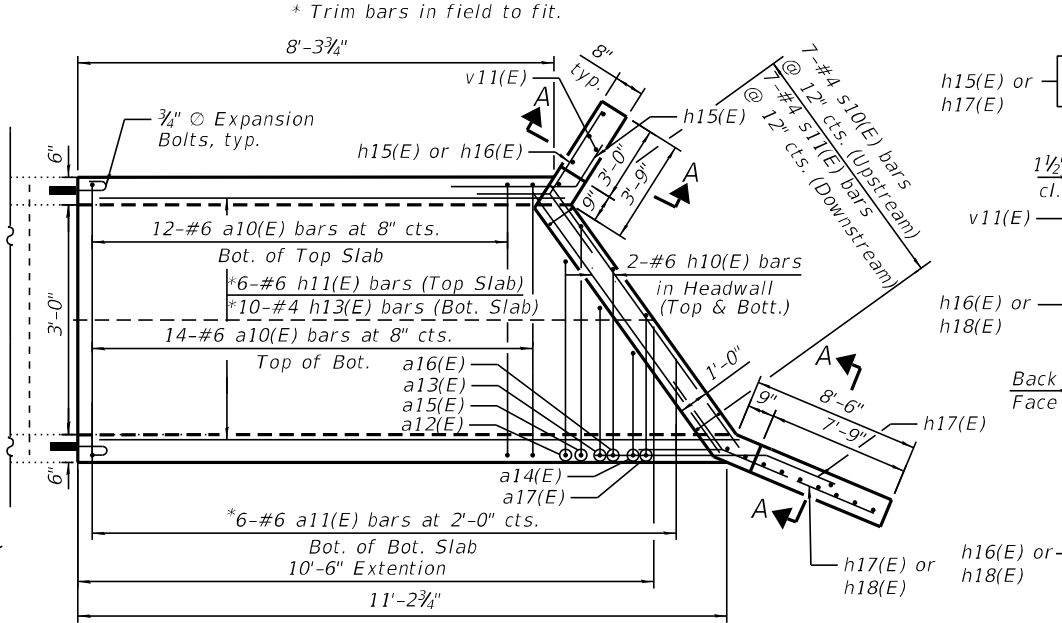
**CULVERT REMOVAL DETAILS**  
(North End Shown, South End Similar)



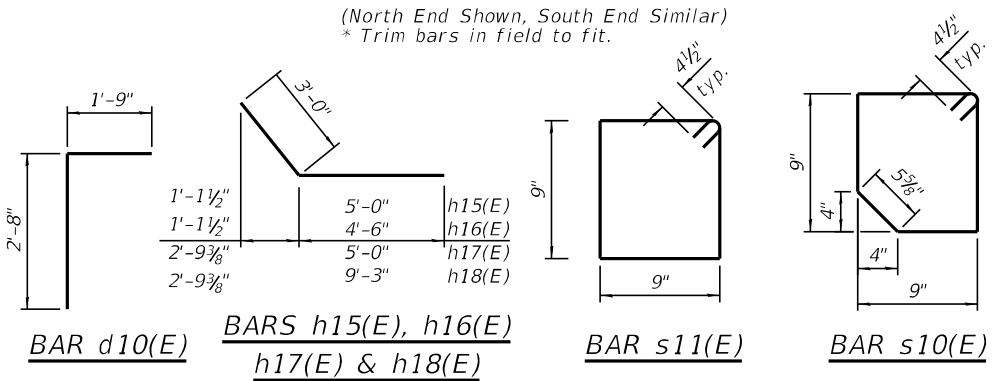
**BARS a10(E), a12(E), a13(E), a14(E), a15(E), a16(E) & a17(E)**



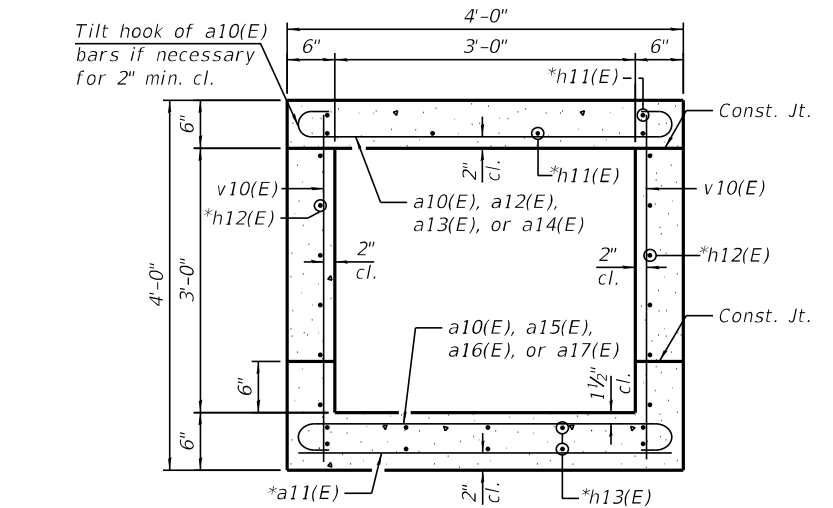
**LONGITUDINAL SECTION**



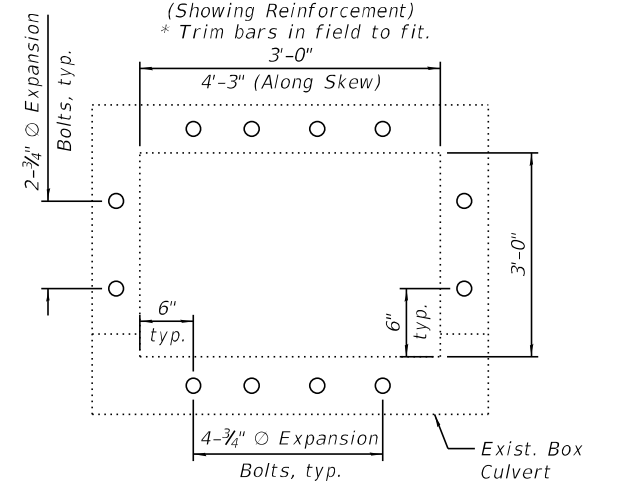
**CULVERT EXTENSION DETAILS**  
(North End Shown, South End Similar)  
\* Trim bars in field to fit.



**BAR d10(E)**  
**BARS h15(E), h16(E), h17(E) & h18(E)**  
**BAR s11(E)**  
**BAR s10(E)**

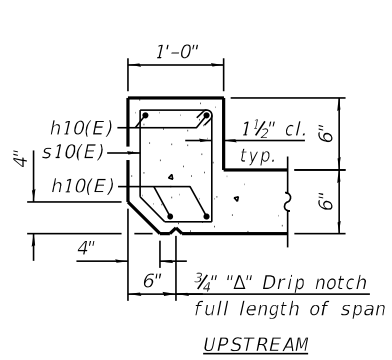


**SECTION C-C**

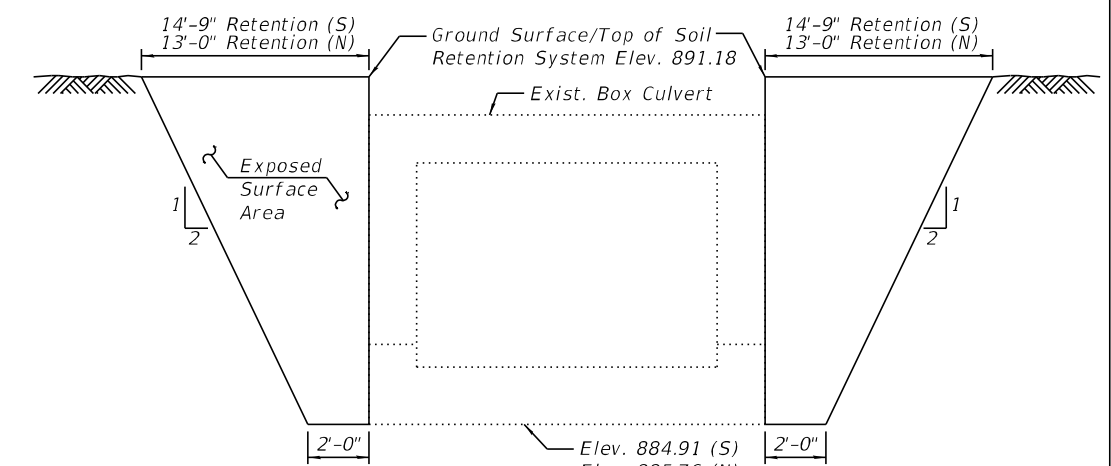


**SECTION B-B**

**SECTION A-A**



**SECTION THRU HEADWALL**



**TEMPORARY SOIL RETENTION**

A cantilever sheet piling design does not appear feasible and additional members or other retention system may be necessary. The Contractor shall submit a Temporary Soil Retention System design including plan details and calculations for review and acceptance by the Engineer.

- Notes:
- The full length of the barrel extension shall be poured monolithically with the wingwalls.
  - Expansion Bolts shall be hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.

**BILL OF MATERIAL**  
(Both North and South Ends)

Bar	No.	Size	Length	Shape
a10(E)	52	#6	5'-0"	U
a11(E)	12	#4	3'-8"	U
a12(E)	1	#6	3'-10"	U
a13(E)	1	#6	3'-2"	U
a14(E)	1	#6	2'-5"	U
a15(E)	1	#6	3'-11"	U
a16(E)	1	#6	3'-3"	U
a17(E)	1	#6	2'-8"	U
d10(E)	10	#4	4'-5"	L
h10(E)	8	#6	5'-5"	U
h11(E)	12	#6	10'-2"	U
h12(E)	16	#5	10'-2"	U
h13(E)	20	#4	10'-2"	U
h14(E)	2	#4	5'-5"	U
h15(E)	12	#5	8'-0"	U
h16(E)	14	#4	7'-6"	U
h17(E)	16	#7	8'-0"	U
h18(E)	22	#7	12'-3"	U
s10(E)	14	#4	3'-7"	U
s11(E)	14	#4	3'-9"	U
v10(E)	60	#4	3'-8"	U
v11(E)	34	#4	6'-8"	U
Concrete Removal		Cu Yd	6.9	
Expansion Bolts, 3/4"		Each	24	
Concrete Box Culverts		Cu Yd	10.3	
Reinforcement Bars, Epoxy Coated		Pound	2390	
Concrete Sealer		Sq Ft	121	
Porous Granular Embankment		Cu Yd	19	

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PLOT SCALE =	DRAWN - JN	REVISIONS -
PLOT DATE =	CHECKED - JMT	REVISIONS -

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

**CULVERT EXTENSION DETAILS**  
**IL RTE. 176 STA. 1345+33.37 OVER DRAINAGE DITCH**

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY McHENRY	TOTAL SHEETS 300	SHEET NO. 217
CONTRACT NO. 62G35				

SHEET 3 OF 3 SHEETS

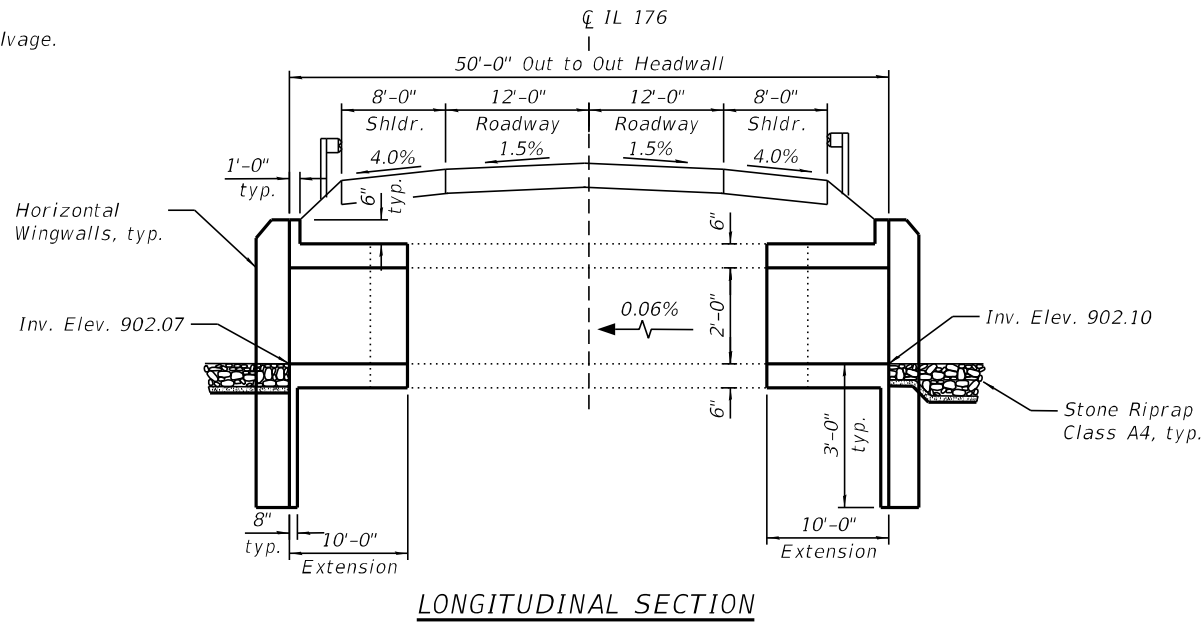
ILLINOIS FED. AID PROJECT

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Benchmark: Railroad spike in power pole on northwest corner of IL 176 and Sunnyside Road. Elev. 887.38.

Existing Structure: Existing Structure is a cast-in-place single cell box culvert 2'X2' carrying IL 176 over a ditch. The structure is located approximately 3170' E. of Sunnyside Rd. Total length of the structure is 42'-0".

No salvage.



LONGITUDINAL SECTION

**INDEX OF SHEETS**

1. General Plan
2. Culvert Extension Details

**SCOPE OF WORK**

1. Remove 6'-0" of culvert at each end.
2. Remove debris in channel at upstream and downstream ends.
3. Clean existing box culvert.
4. Extend the culvert to the proposed length at each end.
5. Place riprap at upstream and downstream ends.

**GENERAL NOTES:**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Concrete Sealer shall be applied to the top and outside face of the horizontal cantilever wingwalls, and headwalls.
3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
4. All excavation required for the construction of the culvert in accordance with the Standard Specifications shall be included with the cost of Concrete Box Culverts.
5. Areas of excavation required for the construction of the culvert shall be backfilled with Porous Granular Embankment. See Special Provisions for details.
6. 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 actual quantity furnished at the unit price bid for the work.
7. The 2 year peak flow rate is 381 cfs.
8. Porous Granular Embankment is required a minimum of 2 feet outside of the culvert walls. Cost is included in the cost of Concrete Box Culverts.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	12
Filter Fabric	Sq. Yd.	12
Concrete Removal	Cu. Yd.	6.5
Expansion Bolts, 3/4"	Each	16
Concrete Box Culverts	Cu Yd	7.3
Reinforcement Bars, Epoxy Coated	Pound	1100
Concrete Sealer	Sq Ft	66
Temporary Soil Retention System	Sq Ft	286
Porous Granular Embankment	Cu Yd	18

**DESIGN SPECIFICATIONS**

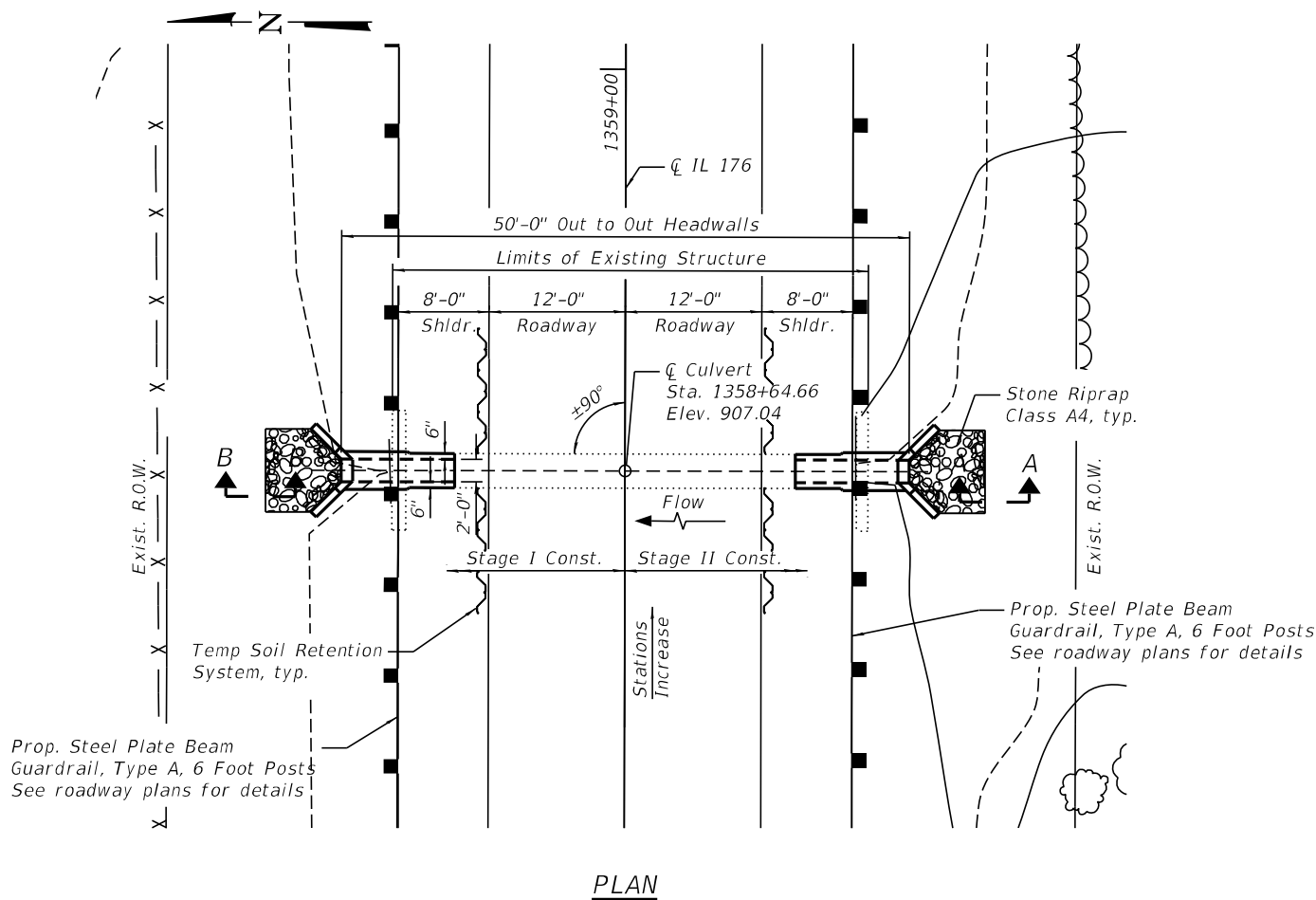
2002 AASHTO Std. Specifications

**DESIGN STRESSES**

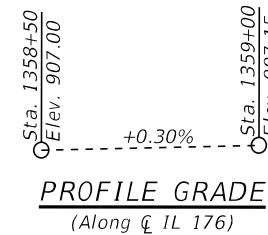
FIELD UNITS

f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

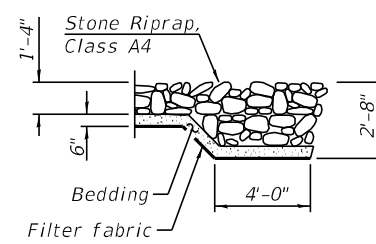
**LOADING HS 20-44**



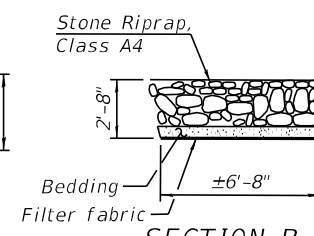
PLAN



PROFILE GRADE  
(Along CL IL 176)



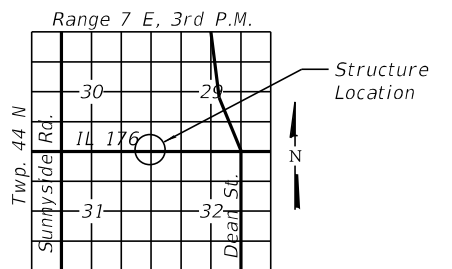
SECTION A-A



SECTION B-B



DATE SIGNED: 06/18/2021  
EXP. DATE: 11/30/2022



LOCATION SKETCH

**GENERAL PLAN**

**IL-176 CULVERT, 3170' E. OF SUNNYSIDE RD.  
OVER DRAINAGE DITCH  
FAP 333 SEC. NO. (119 & 105) C&W-1  
McHENRY COUNTY  
STATION 1358+64.66**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL RTE. 176 STA. 1358+64.66 OVER DRAINAGE DITCH

SHEET 1 OF 2 SHEETS

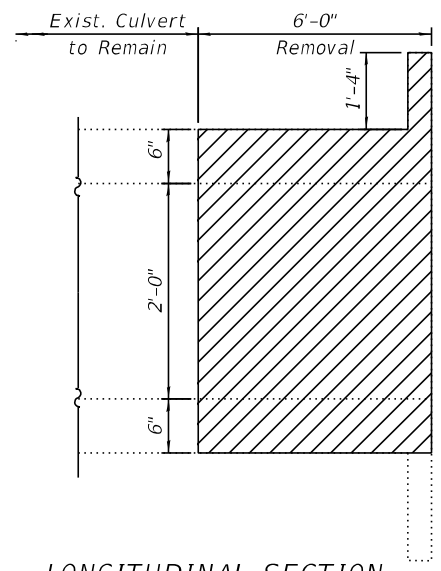
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	218
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				

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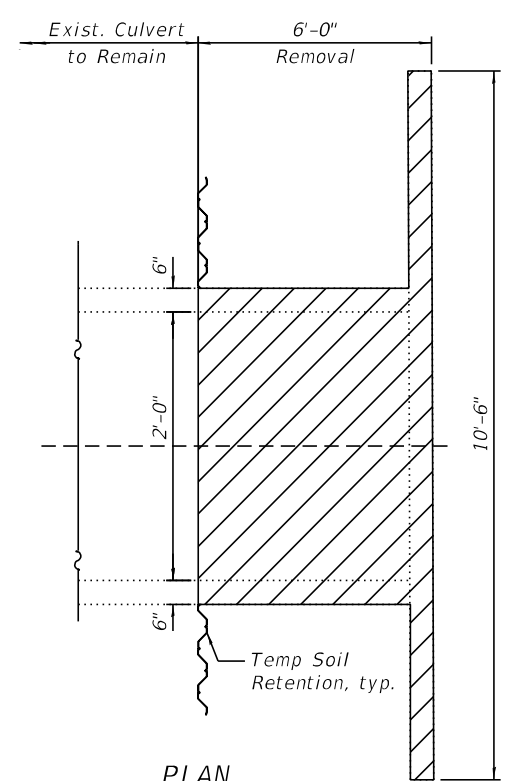
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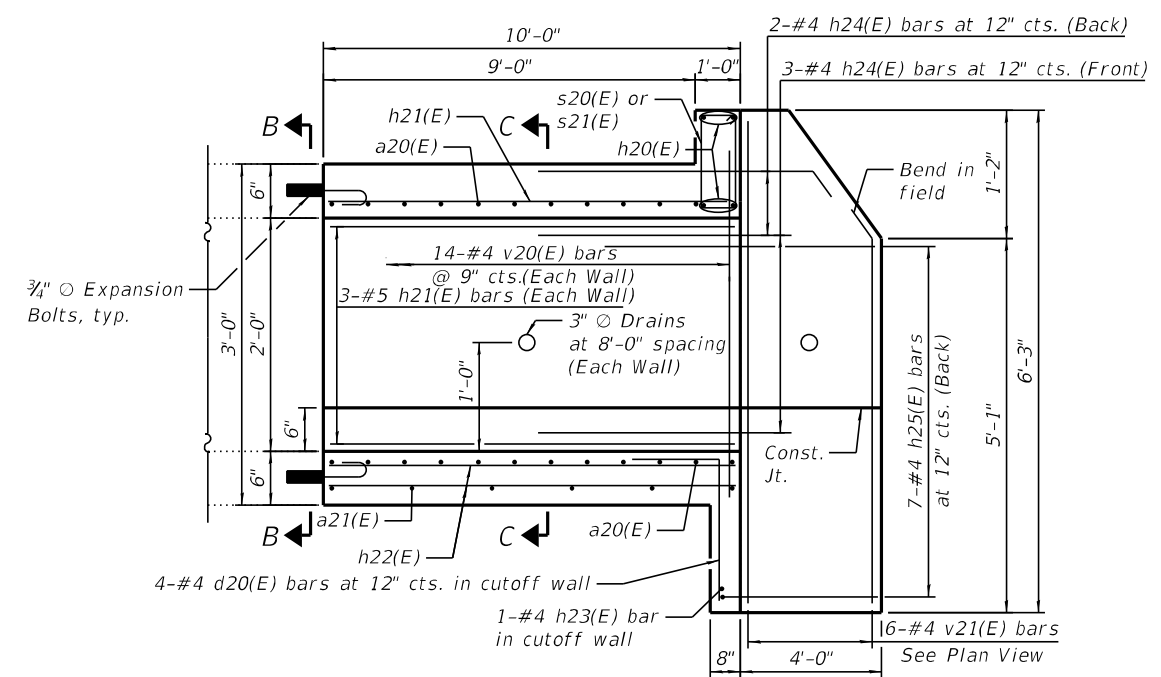


**LONGITUDINAL SECTION**

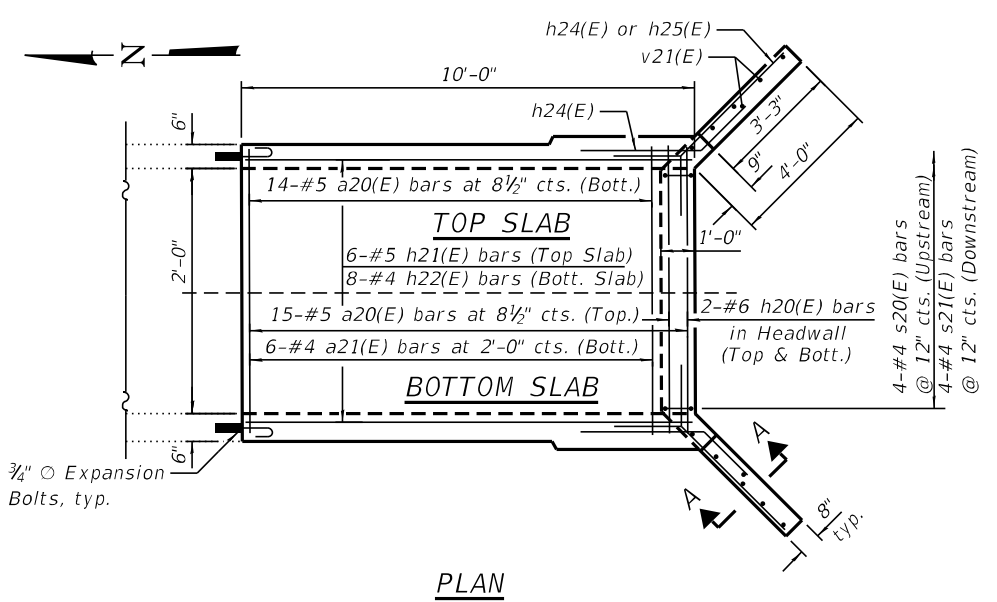


**PLAN**

**CULVERT REMOVAL DETAILS**  
(South End Shown, North End Similar)

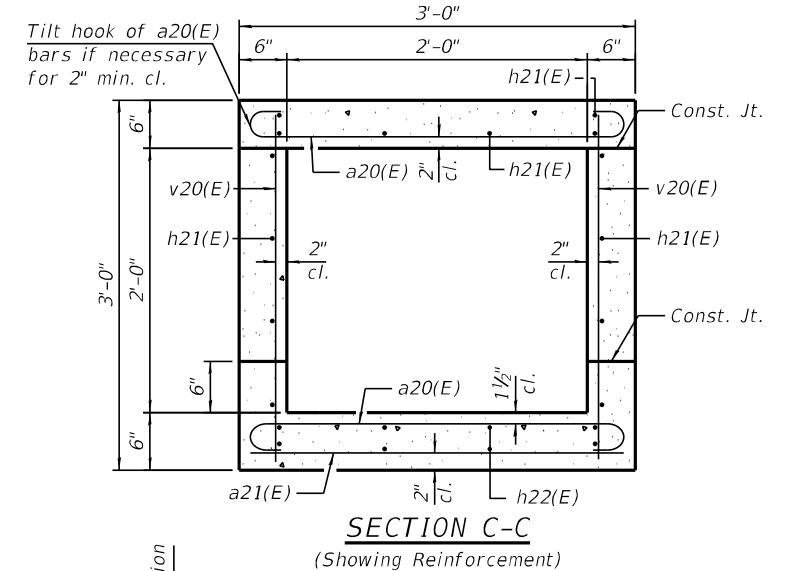


**LONGITUDINAL SECTION**

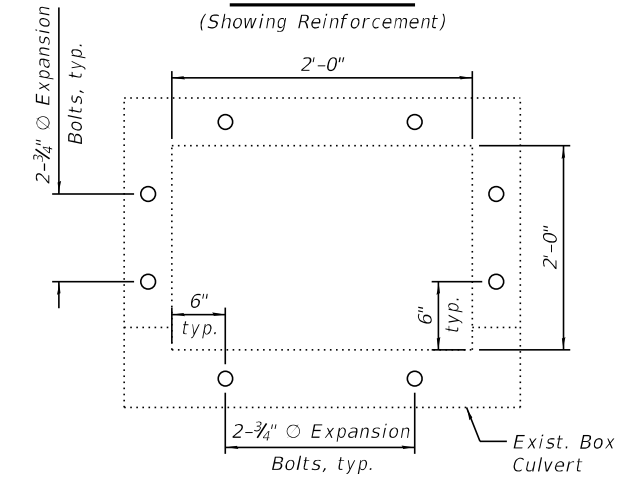


**PLAN**

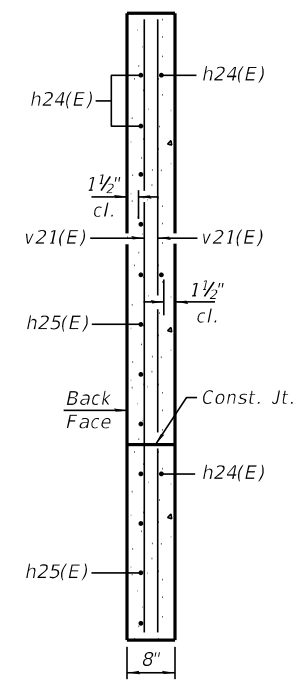
**CULVERT EXTENSION DETAILS**  
(South End Shown, North End Similar)



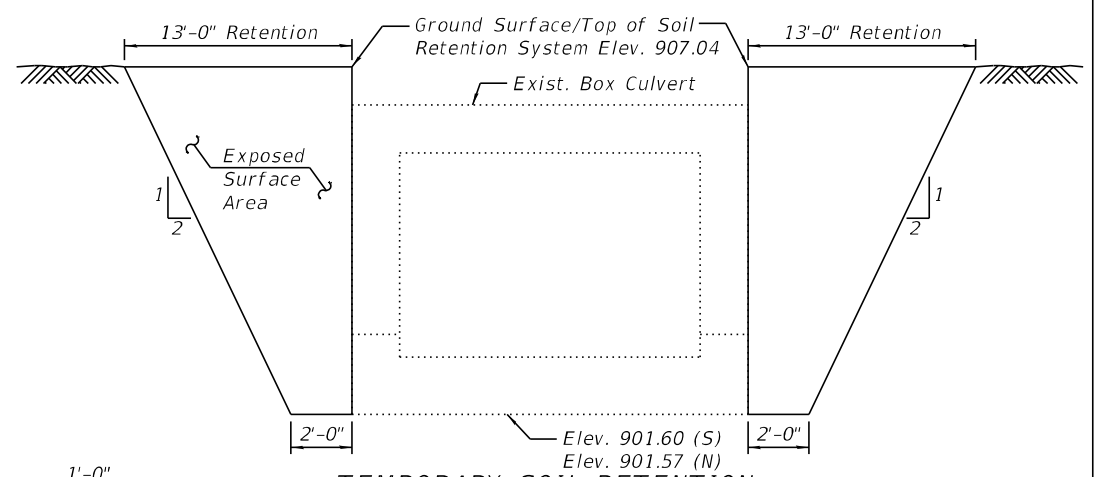
**SECTION C-C**  
(Showing Reinforcement)



**SECTION B-B**  
(Showing Expansion Bolts)



**SECTION A-A**



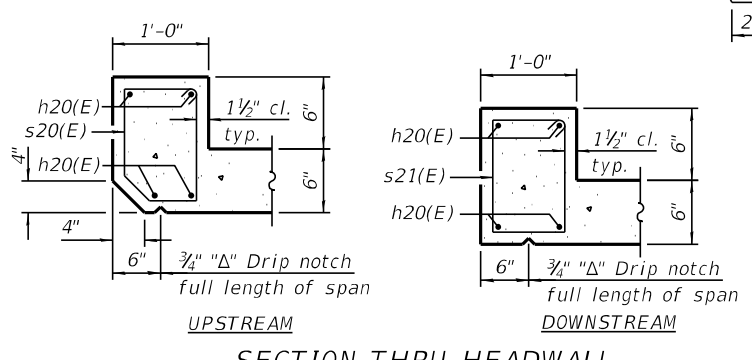
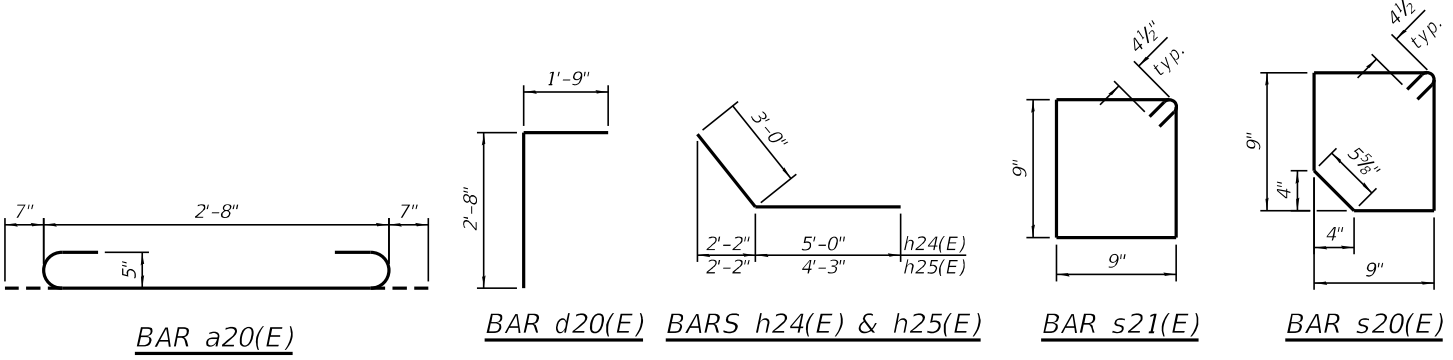
**TEMPORARY SOIL RETENTION**

A cantilever sheet piling design does not appear feasible and additional members or other retention system may be necessary. The Contractor shall submit a Temporary Soil Retention System design including plan details and calculations for review and acceptance by the Engineer.

- Notes:
- The full length of the barrel extension shall be poured monolithically with the wingwalls.
  - Expansion Bolts shall be hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.

**BILL OF MATERIAL**  
(Both North and South Ends)

Bar	No.	Size	Length	Shape
a20(E)	58	#5	3'-10"	
a21(E)	12	#4	2'-8"	
d20(E)	8	#4	4'-5"	
h20(E)	8	#6	2'-6"	
h21(E)	24	#5	9'-8"	
h22(E)	16	#4	9'-8"	
h23(E)	2	#4	2'-8"	
h24(E)	20	#4	8'-0"	
h25(E)	28	#4	7'-3"	
s20(E)	4	#4	3'-7"	
s21(E)	4	#4	3'-9"	
v20(E)	56	#4	2'-8"	
v21(E)	24	#4	5'-8"	
Concrete Removal			Cu Yd	4.6
Expansion Bolts, 3/4"			Each	16
Concrete Box Culverts			Cu Yd	7.3
Reinforcement Bars, Epoxy Coated			Pound	1100
Concrete Sealer			Sq Ft	66
Porous Granular Embankment			Cu Yd	18



**SECTION THRU HEADWALL**

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CHECKED - SPS	REVISED -	
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PLOT DATE =	CHECKED - JMT	REVISED -

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

**CULVERT EXTENSION DETAILS**  
**IL RTE. 176 STA. 1358+64.66 OVER DRAINAGE DITCH**

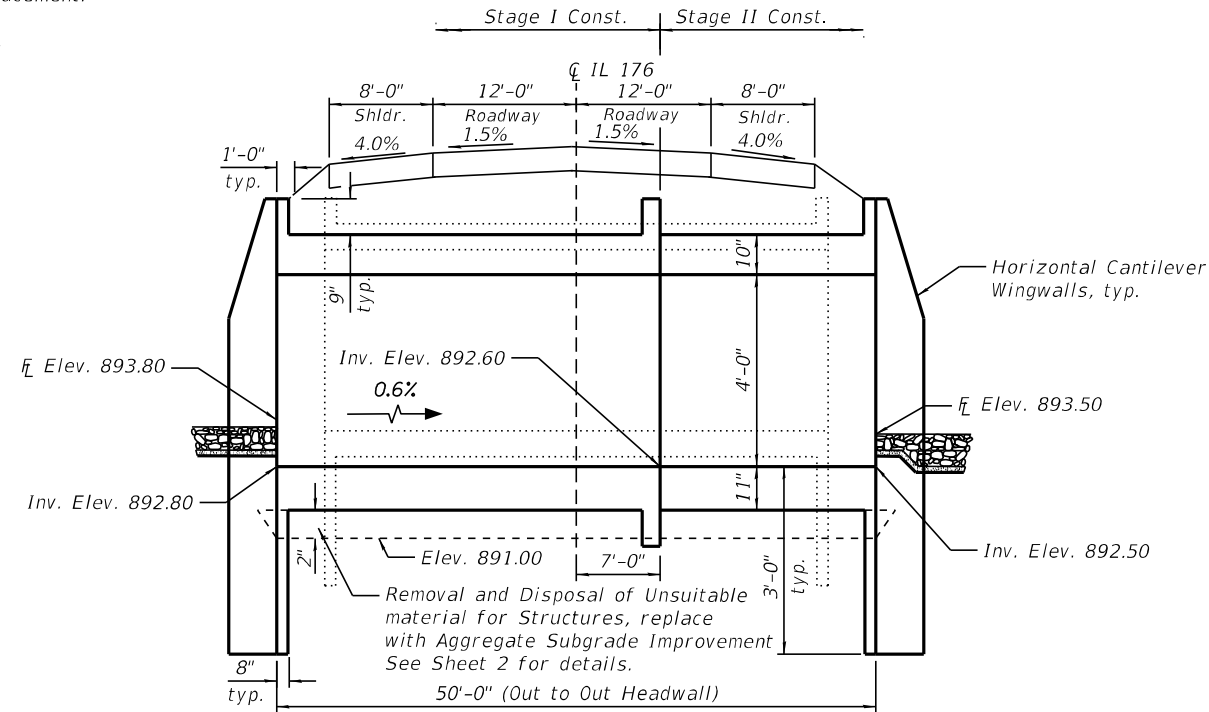
SHEET 2 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				

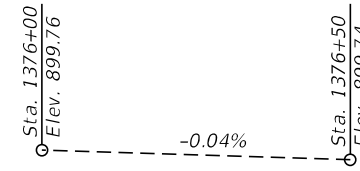
Benchmark: Control point #47 to the east side of IL 176, W. of Dean St.  
Elev. 899.11.

Existing Structure: S.N. 056-0239 is a single cell 4'-0" wide x 4'-0" high reinforced concrete box culvert carrying IL-176 over a ditch with horizontal cantilever wingwalls parallel to the roadway. The length of the structure is 40'-0" out to out of headwalls. The culvert is located approximately 1980' west of Dean St. Traffic will be maintained utilizing staged construction during replacement.

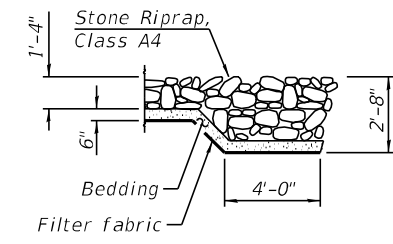
No salvage.



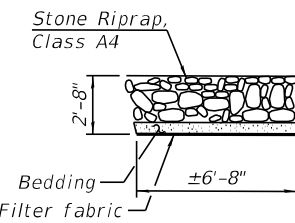
**LONGITUDINAL SECTION**



**PROFILE GRADE**  
(Along  $\bar{C}$  IL Rte. 176)



**SECTION A-A**



**SECTION B-B**

STATION 1376+10.10  
BUILT 20 BY  
STATE OF ILLINOIS  
LOADING HL-93  
STRUCTURE NO. 056-0333

**NAME PLATE**  
See Std. 515001

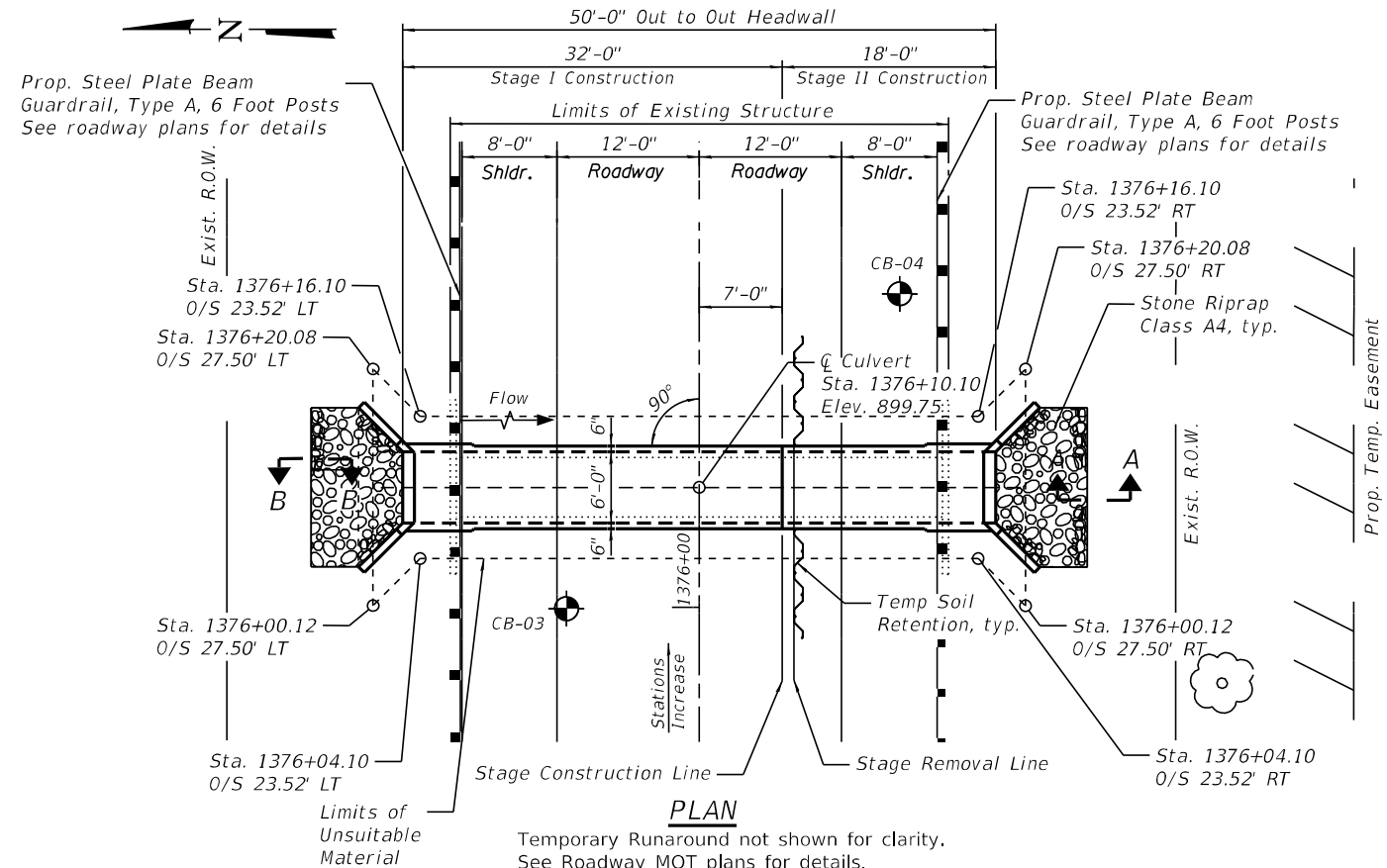
**INDEX OF SHEETS**

1. General Plan
2. General Notes and Total Bill of Materials
3. Stage Construction Details
4. Temporary Concrete Barrier for Stage Construction
5. Culvert Plan and Details
6. Bar Splicer Assembly and Mechanical Splicer Details
7. Boring Logs

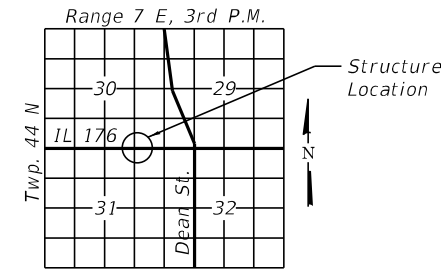
**WATERWAY INFORMATION**

Drainage Area = 0.2 sq. mi. Low Grade Elev. 899.50 @ Sta. 1377+10

Flood	Freq. Yr.	Q C.F.S.	Opening Ft <sup>2</sup>		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	2	23	5	6	895.00	1.10	0.30	896.10	895.30
	10	54	6	8	895.20	1.60	0.30	896.80	895.50
Design	50	105	7	11	895.60	3.60	1.20	899.20	896.80
Base	100	137	8	12	895.80	4.10	1.80	899.90	897.60
Overtopping									
Max. Calc.	500	179	9	14	896.10	4.00	2.90	900.10	899.00



**PLAN**



**LOCATION SKETCH**

**DESIGN SPECIFICATIONS**

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

**DESIGN STRESSES**

FIELD UNITS

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

**LOADING HL-93**

Allow 50#/sq. ft. for future wearing surface.



DATE SIGNED: 06/18/2021  
EXP. DATE: 11/30/2022

**GENERAL PLAN**  
**IL-176 CULVERT, 1980' W. OF DEAN ST.**  
**OVER DRAINAGE DITCH**  
**SECTION NO. (119 & 105) C&W-1**  
**McHENRY COUNTY**  
**STATION 1376+10.10**  
**STRUCTURE NO. 056-0333**

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PLOT SCALE =	DRAWN - JN	REVISD -
PLOT DATE =	CHECKED - JMT	REVISD -

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

**STRUCTURE NO. 056-0333**

SHEET 1 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	220
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				

**SCOPE OF WORK**

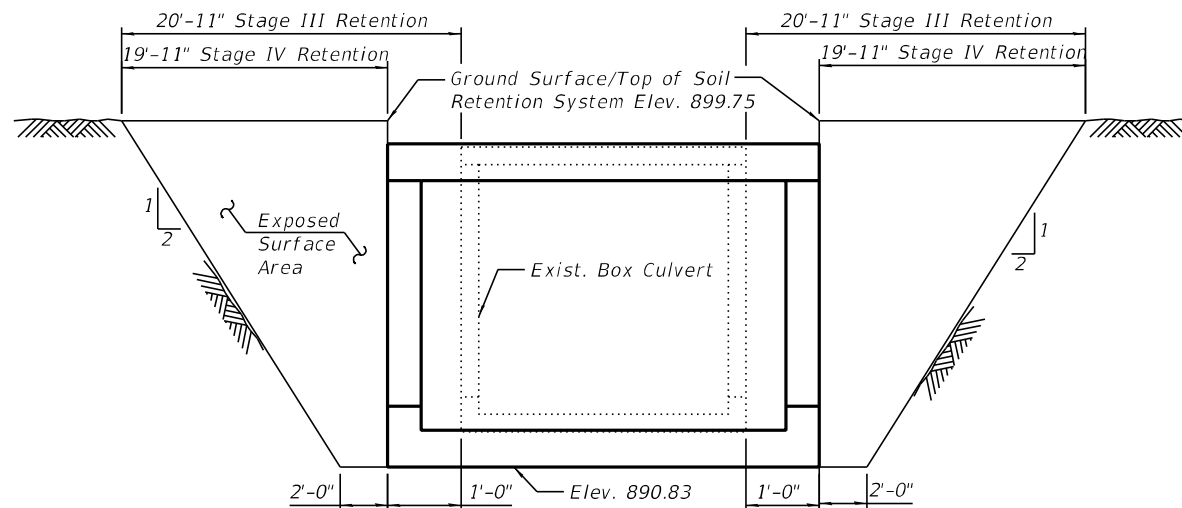
1. Construct temporary runaround, temporary drainage, and temporary pavement for Pre-Stage I. See MOT and Drainage Sheets.
2. Remove existing roadway culvert for Stage I Removal.
3. Construct proposed culvert and wingwalls for Stage I Construction.
4. Shift traffic for Stage II Removal.
5. Remove existing roadway and culvert for Stage II Removal.
6. Construct proposed culvert and wingwalls for Stage II Construction.
7. Re-establish the flow through new culvert and open the road to the traffic.

**GENERAL NOTES**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. All excavation required for construction of the culvert as shown in the plans and in accordance with the standard specifications shall be included in the cost for Concrete Box Culverts.
3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
4. Concrete Sealer shall be applied to the top and outside face of the horizontal cantilever wingwalls.
5. The 2 year peak flow rate is 381 cfs.
6. Areas of excavation required for the construction of the culvert shall be backfilled with Porous Granular Embankment. See Special Provisions for details.
7. Porous Granular Embankment is required a minimum of 2 feet outside of the culvert walls. Cost is included in the cost of Concrete Box Culverts.

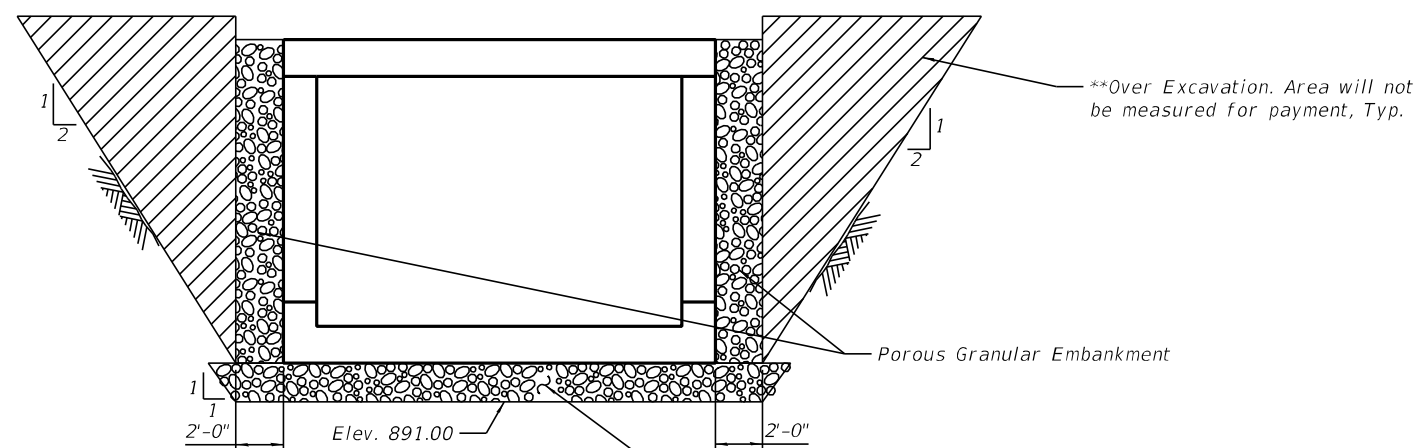
**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq Yd	37
Filter Fabric	Sq Yd	37
Removal of Existing Structures No. 2	Each	1
Reinforcement Bars, Epoxy Coated	Pound	7660
Bar Splicers	Each	42
Temporary Soil Retention System	Sq Ft	392
Concrete Box Culverts	Cu Yd	36.8
Concrete Sealer	Sq Ft	185
Porous Granular Embankment	Cu Yd	61
Membrane Waterproofing System for Buried Structures	Sq Yd	60
Removal and Disposal of Unsuitable Material for Structures	Cu Yd	46
Aggregate Subgrade Improvement	Cu Yd	46
Geocomposite Wall Drain	Sq Yd	60
Name Plates	Each	1



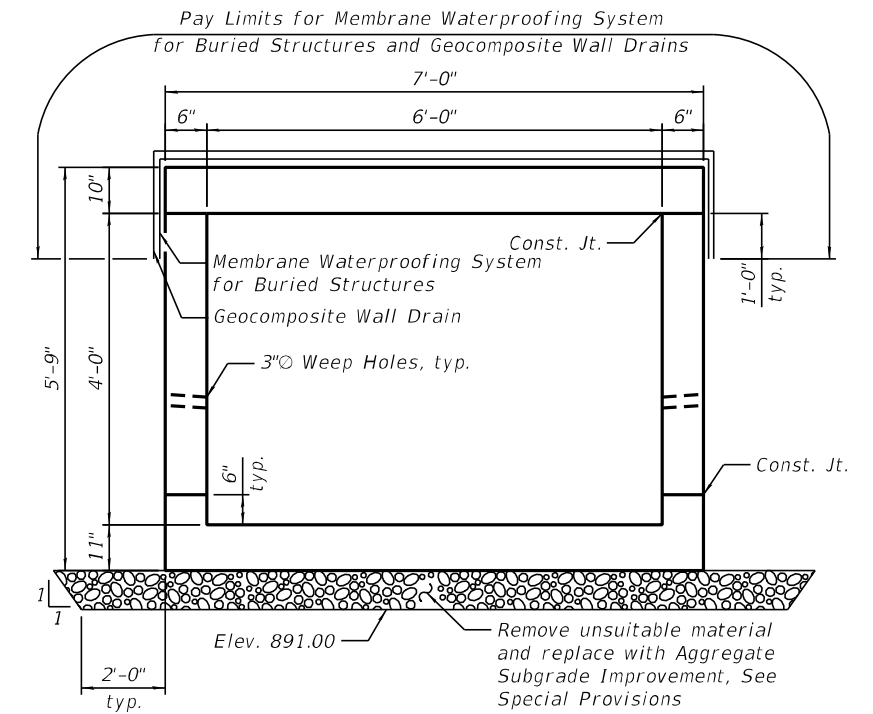
**TEMPORARY SOIL RETENTION**

A cantilever sheet piling design does not appear feasible and additional members or other retention system may be necessary. The Contractor shall submit a Temporary Soil Retention System design including plan details and calculations for review and acceptance by the Engineer.



**SECTION THRU CULVERT**

\*\*Backfill the over excavation area with material specified for roadway embankment per Section 205 of the Standard Specifications.



**SECTION THRU BARREL**

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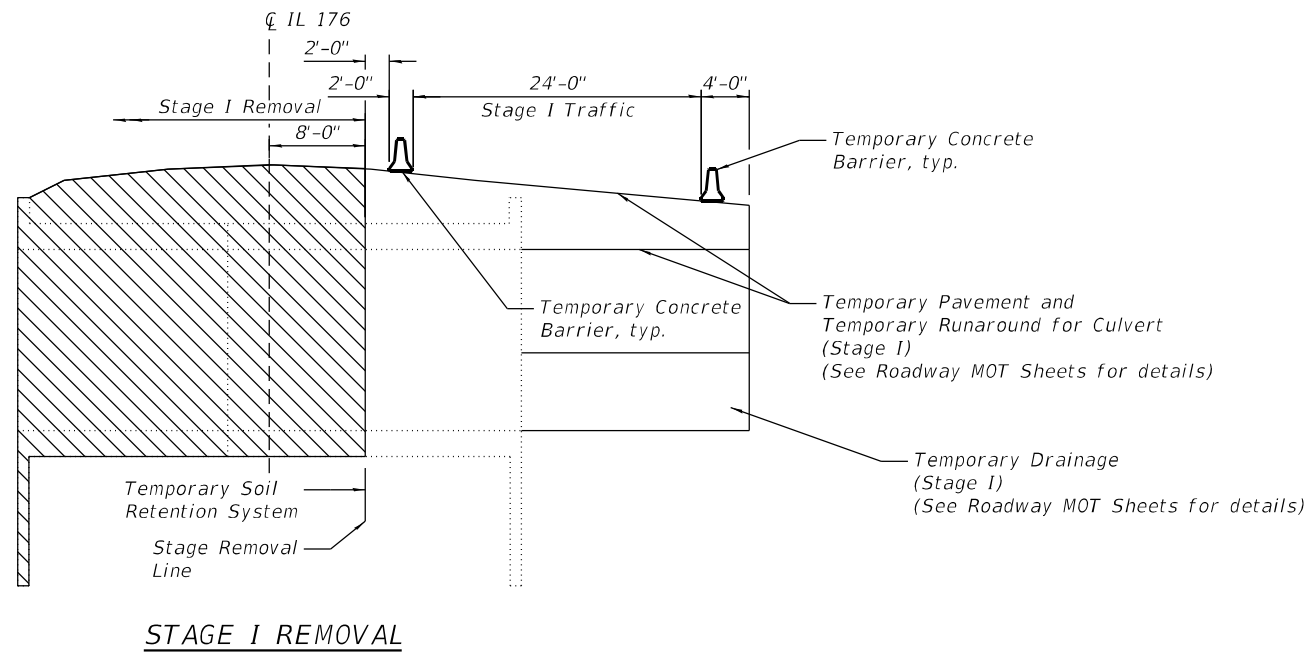
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

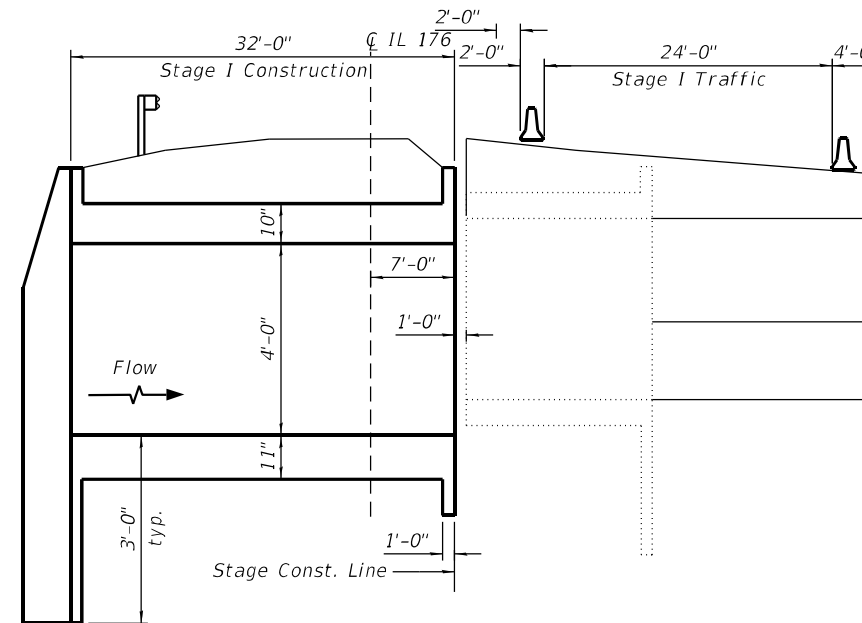
**GENERAL NOTES AND TOTAL BILL OF MATERIALS  
STRUCTURE NO. 056-0333**

SHEET 2 OF 7 SHEETS

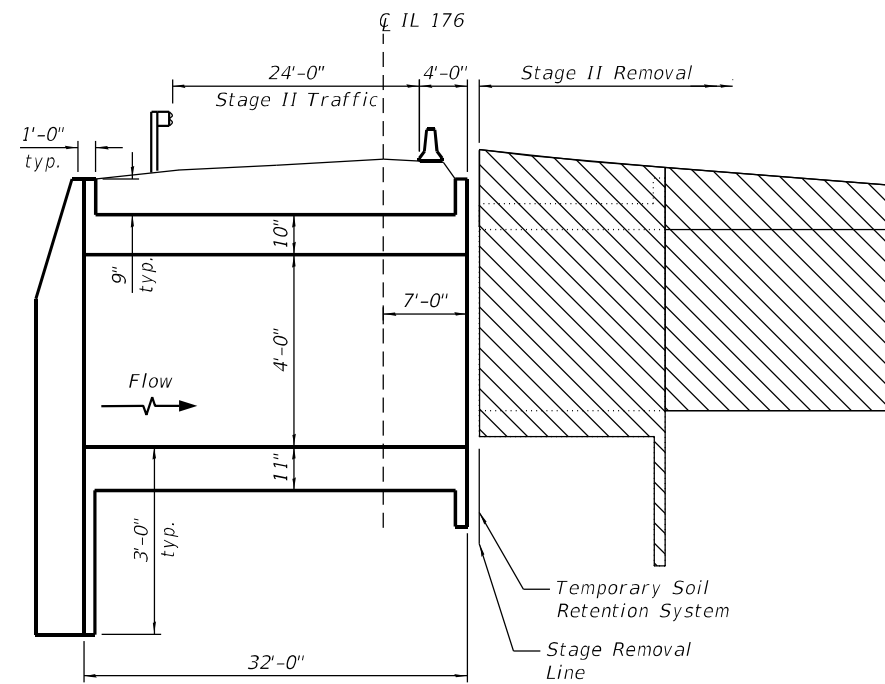
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CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				



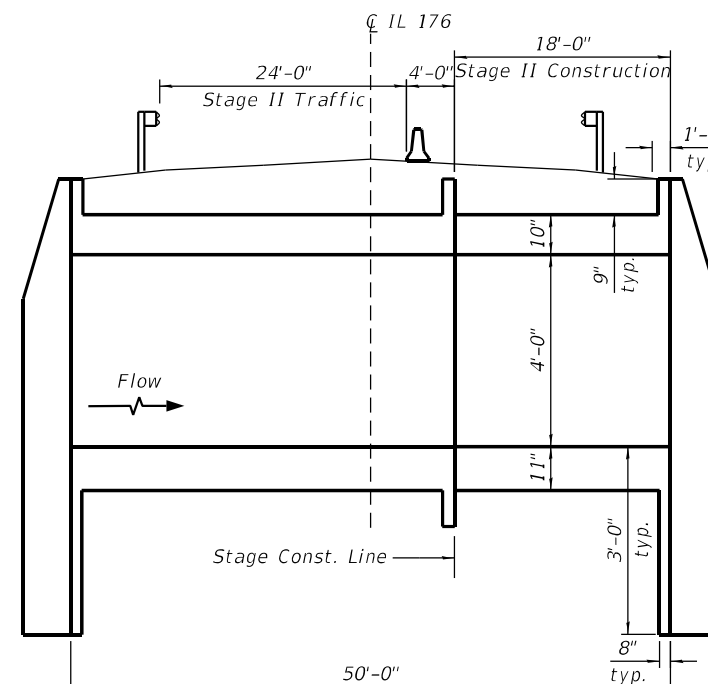
**STAGE I REMOVAL**



**STAGE I CONSTRUCTION**



**STAGE II REMOVAL**




**STAGE II CONSTRUCTION**

**NOTES**

1. All Section are looking East.
2. For Details of Temporary Concrete Barrier, See Sheet 5 of 8.

**LEGEND**

 Removal of Existing Structure and Roadway

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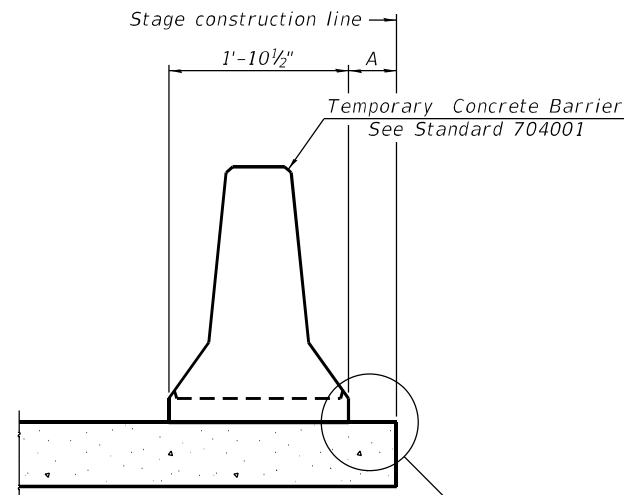
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS  
 STRUCTURE NO. 056-0333**

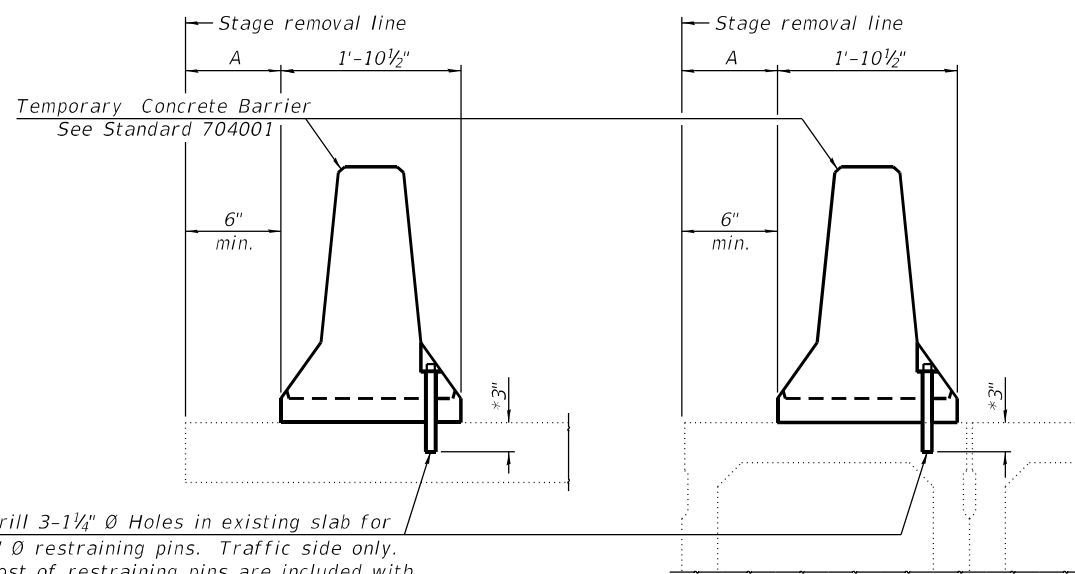
SHEET 3 OF 7 SHEETS

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533	(119&105)C&W-1	McHENRY	300	222
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM

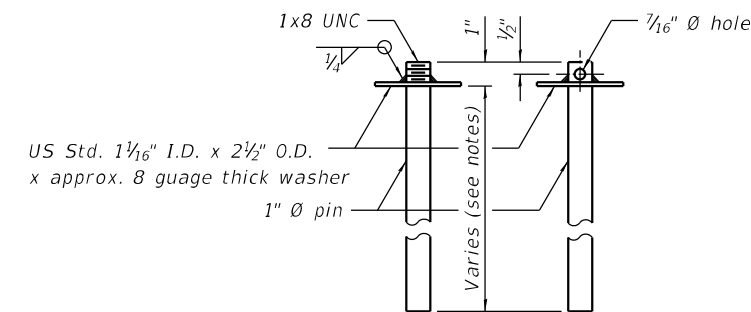


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

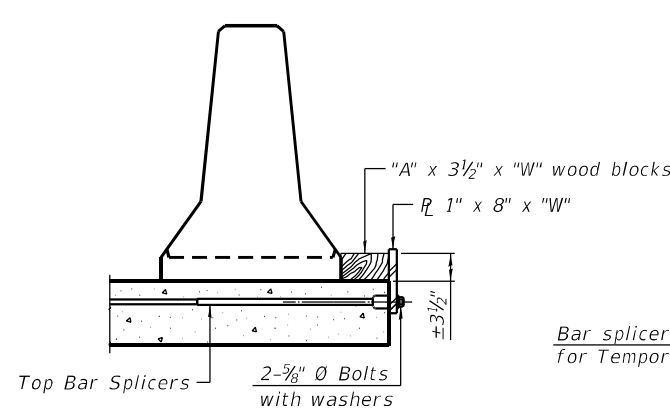
\* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

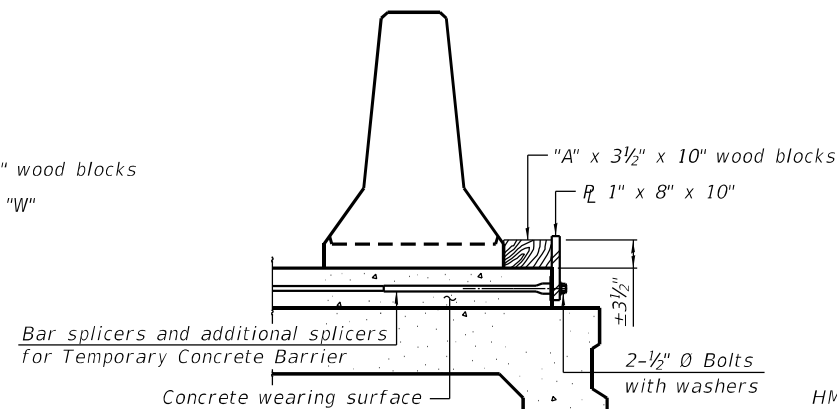


RESTRAINING PIN

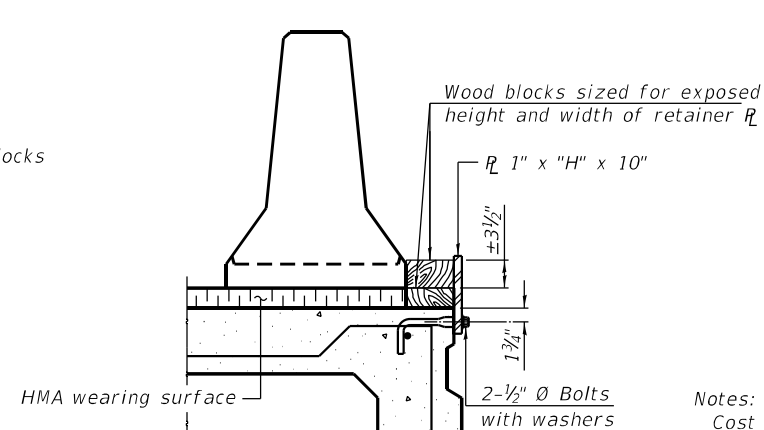
SECTIONS THRU SLAB OR DECK BEAM



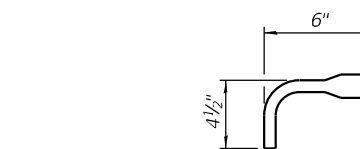
DETAIL I



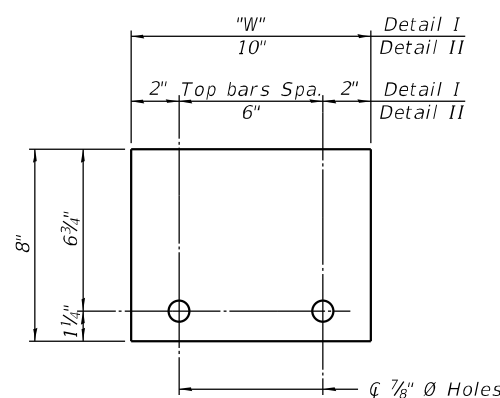
DETAIL II



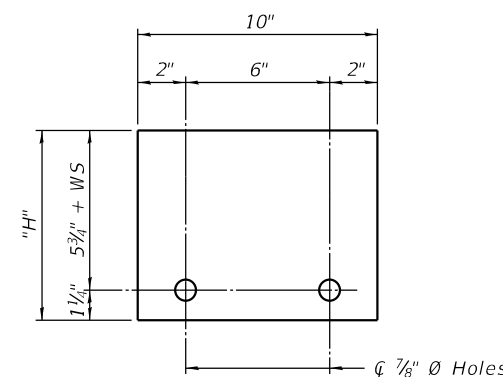
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER R 1" x 8" x "W"  
(Detail I and II)



STEEL RETAINER R 1" x "H" x 10"  
(Detail III)

Notes:  
 Cost of retainer assembly is included with Temporary Concrete Barrier.  
 A retainer assembly shall be located at the approximate  $\frac{1}{2}$  of each temporary concrete barrier.  
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.  
 When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.  
 Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.  
 Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

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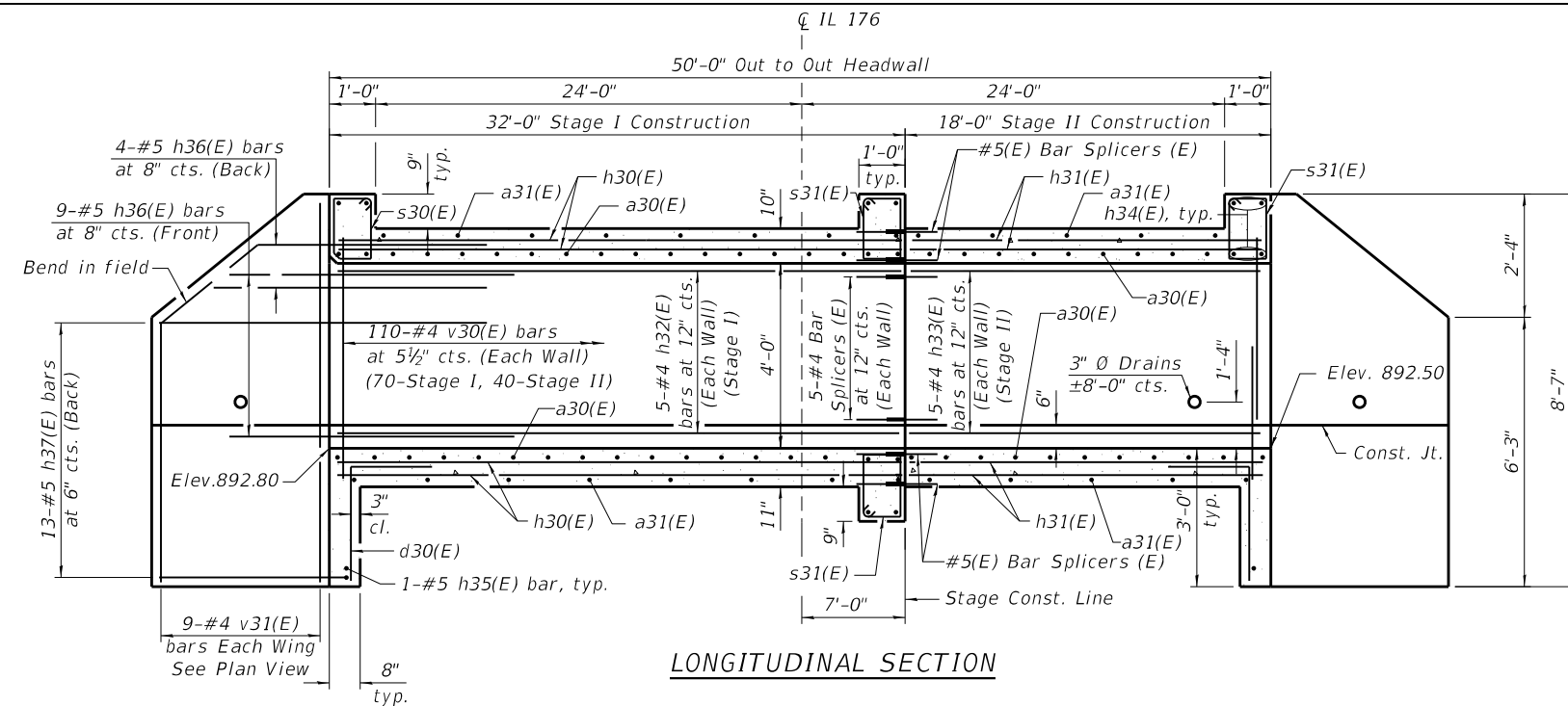
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

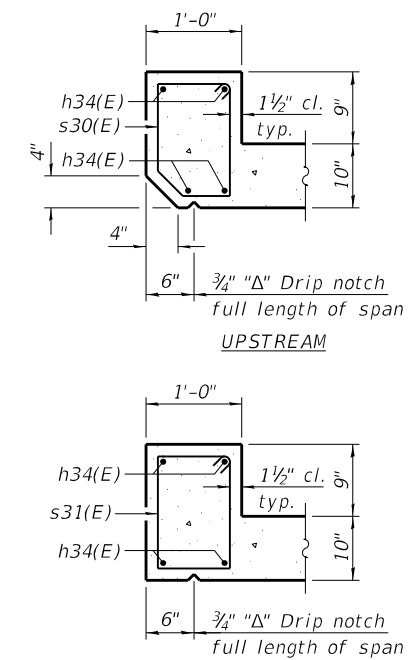
TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION  
 STRUCTURE NO. 056-0333

SHEET 4 OF 7 SHEETS

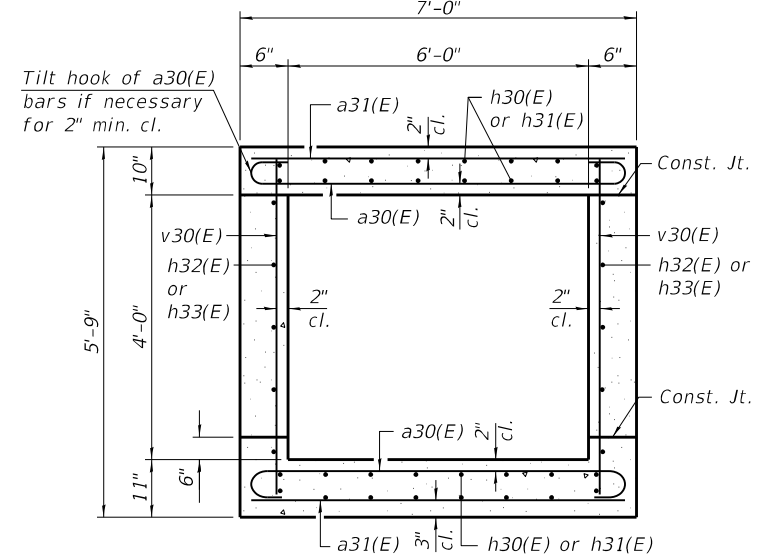
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CONTRACT NO. 62G35			ILLINOIS FED. AID PROJECT	



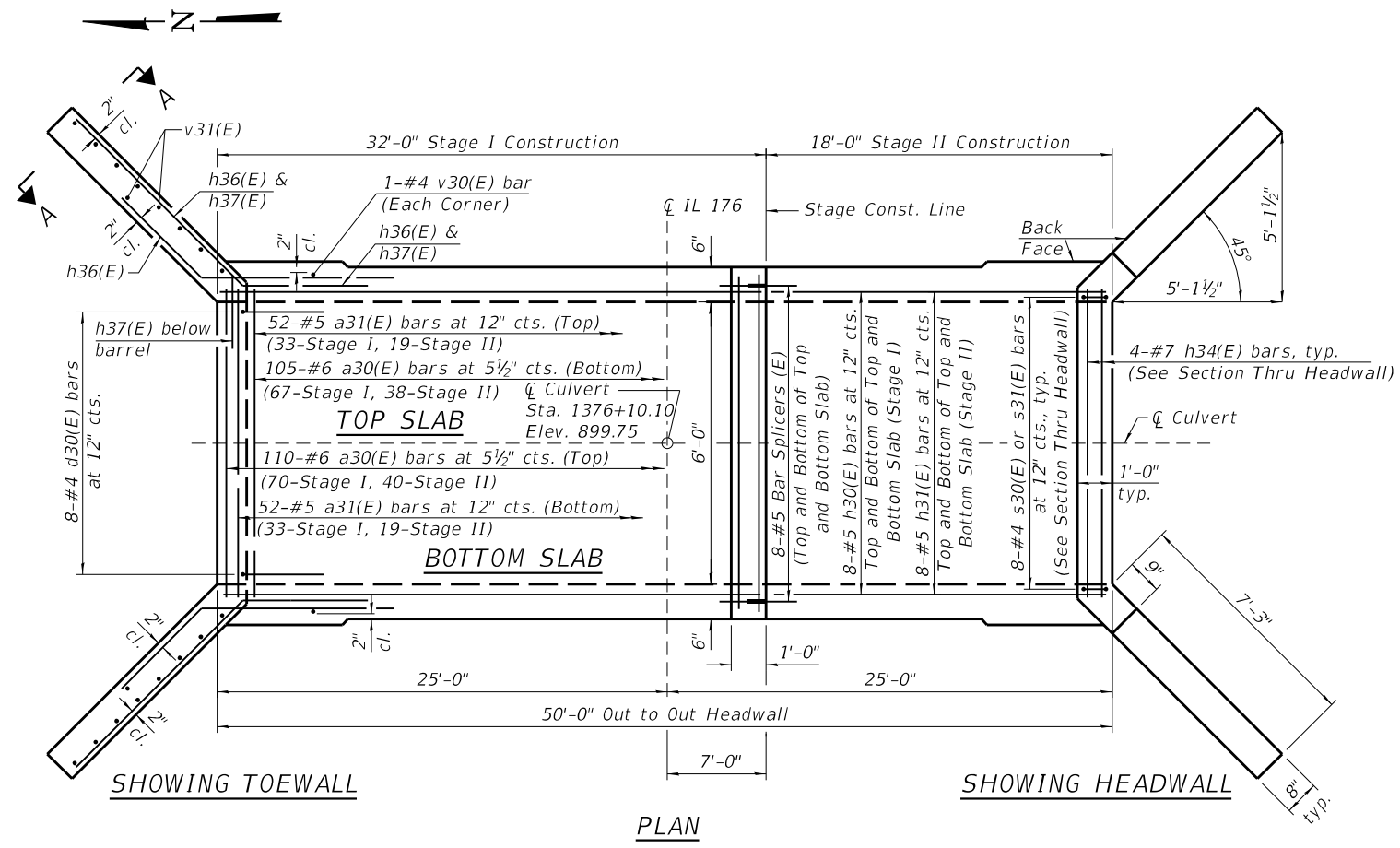
LONGITUDINAL SECTION



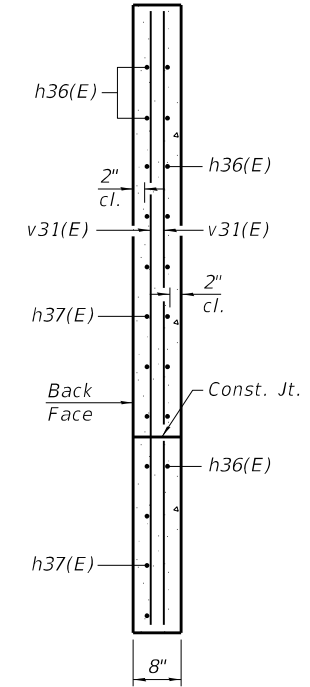
DOWNSTREAM & STAGE CONSTRUCTION  
SECTION THRU HEADWALL



SECTION THRU BARREL



PLAN

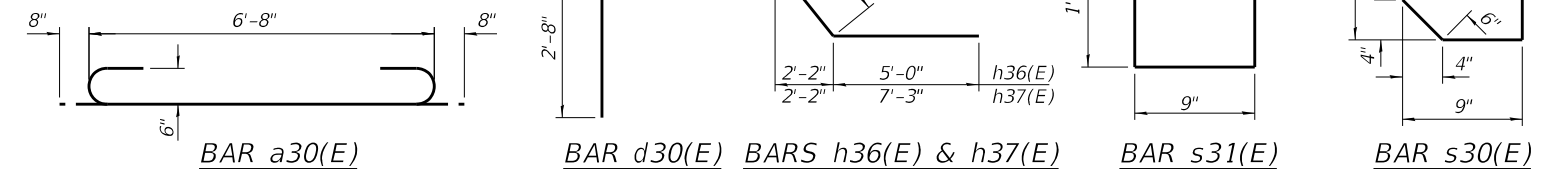


SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a30(E)	215	#6	8'-0"	U
a31(E)	104	#5	6'-8"	—
d30(E)	16	#4	4'-5"	L
h30(E)	32	#5	31'-8"	—
h31(E)	32	#5	17'-8"	—
h32(E)	10	#4	31'-8"	—
h33(E)	10	#4	17'-8"	—
h34(E)	16	#7	6'-8"	—
h35(E)	2	#5	6'-8"	—
h36(E)	52	#5	8'-0"	—
h37(E)	52	#5	10'-3"	—
s30(E)	8	#4	4'-9"	□
s31(E)	24	#4	4'-11"	□
v30(E)	224	#4	5'-5"	—
v31(E)	36	#4	8'-3"	—
Concrete Box Culverts	Cu. Yd.		36.8	
Reinforcement Bars, Epoxy Coated	Pound		7670	
Concrete Sealer	Sq Ft		185	

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.



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CULVERT PLAN AND DETAILS  
STRUCTURE NO. 056-0333

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	224

CONTRACT NO. 62G35

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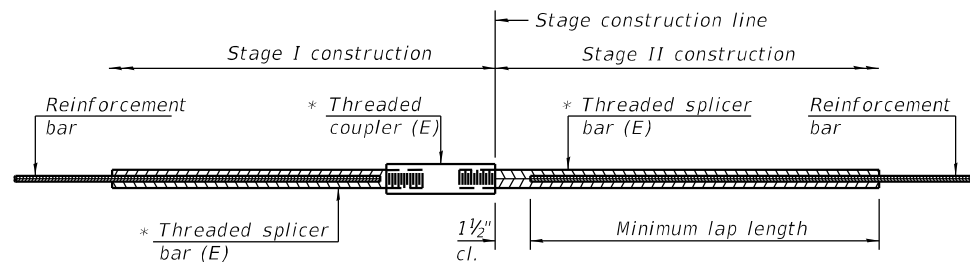


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	DRAWN - JN	REVISIONS -
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SHEET 5 OF 7 SHEETS

ILLINOIS FED. AID PROJECT



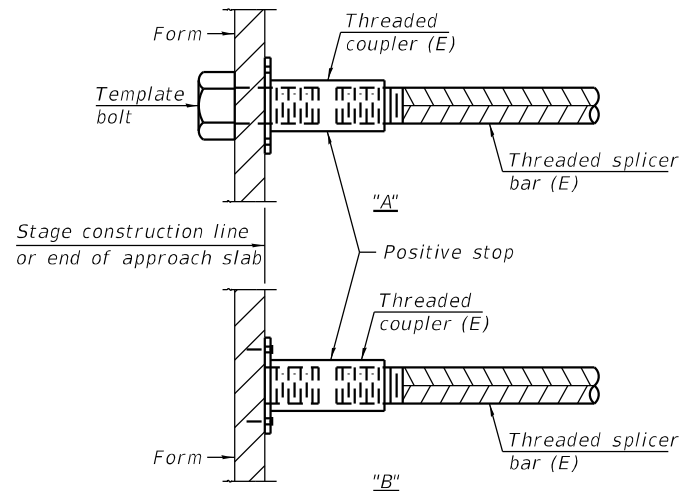


**STANDARD BAR SPLICER ASSEMBLY**

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

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

Location	Bar size	No. assemblies required	Minimum lap length
Top Slab	#5	16	3'-2"
Bottom Slab	#5	16	3'-2"
Sidewalls	#4	10	2'-7"

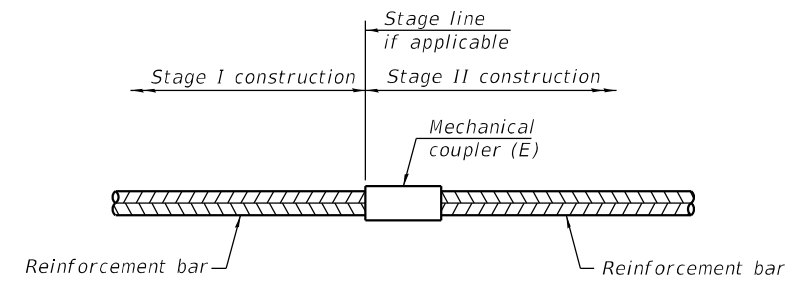


**INSTALLATION AND SETTING METHODS**

"A" : Set bar splicer assembly by means of a template bolt.

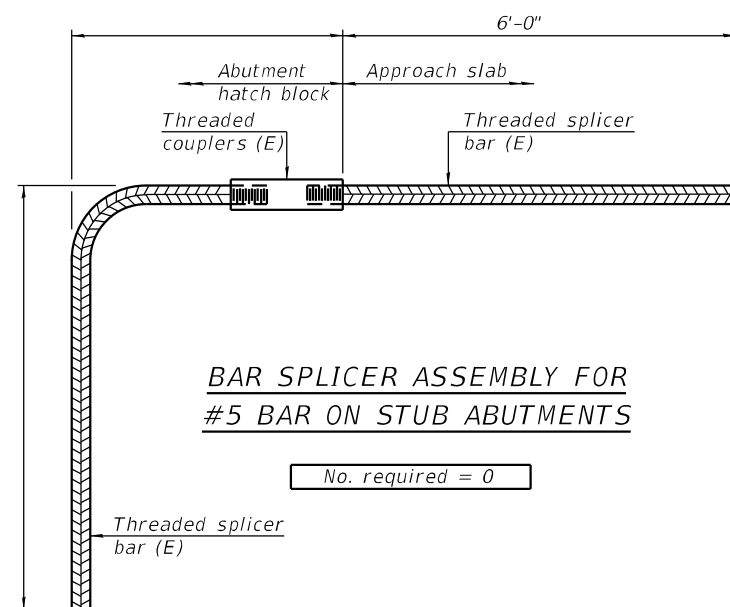
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



**STANDARD MECHANICAL SPLICER**

Location	Bar size	No. assemblies required



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

No. required = 0

**NOTES**

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

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BSD-1

2-17-2017



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PLOT DATE =	CHECKED - JMT	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS  
STRUCTURE NO. 056-0333

SHEET 6 OF 7 SHEETS

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY McHENRY	TOTAL SHEETS 300	SHEET NO. 225
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				



# BORING LOG CB-03

wangeng@wangeng.com  
1145 N. Main Street  
Lombard/IL/60148  
Telephone: 6309539928  
Fax: 6309539938

WEI Job No.: 491-05-01

Client **Accurate Group, Inc.**  
Project **FAP 533 (IL 176) from Deerpass Rd to Dean St.**  
Location **McHenry County, Illinois**

Datum: NAVD 88  
Elevation: 899.43 ft  
North: 2035554.43 ft  
East: 951645.75 ft  
Station: 1375+99.89  
Offset: 11.20 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
898.9	7-inch thick, ASPHALT --SHOULDER PAVEMENT--														
898.2	8-inch thick, loose, black and brown, damp SANDY GRAVEL --BASE COURSE--														
	Very stiff, dark brown, damp SILTY CLAY LOAM, some gravel --FILL-- --RDR 2--		1	3	2	2.50	15				7	6	4.02	14	
896.4	Stiff, black and dark brown, damp, organic SILTY CLAY LOAM --BURIED TOPSOIL--		2	3	3	1.64	38				8	5	2.38	13	
893.9	Medium stiff, gray, damp SILTY CLAY LOAM, trace gravel, organic matters --RDR 2--		3	2	2	0.50	24				9	4	1.72	18	
892.9	Loose, reddish brown, moist, coarse SAND --RDR 2--		4	6	9	7.46	15	875.4	Light gray, damp GRAVEL and cobbles chips		10	20	1.56	12	
891.4	Stiff to hard, light brown to brown, damp SILTY CLAY to CLAY, trace gravel --RDR 2--		5	10	14	7.79	15	874.9	Stiff, light brown to brown, damp SILTY CLAY, trace gravel		25	10			
			6	9	12	6.31	14	874.4	Boring terminated at 25.00 ft						

### GENERAL NOTES

Begin Drilling **03-22-2019** Complete Drilling **03-22-2019**  
 Drilling Contractor **Wang Testing Services** Drill Rig **CME55 TMR [85%]**  
 Driller **A&A** Logger **RKC** Checked by **C. Marin**  
 Drilling Method **3.25" HSA; boring backfilled upon completion**

### WATER LEVEL DATA

While Drilling **DRY**  
 At Completion of Drilling **DRY**  
 Time After Drilling **NA**  
 Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



# BORING LOG CB-04

wangeng@wangeng.com  
1145 N. Main Street  
Lombard/IL/60148  
Telephone: 6309539928  
Fax: 6309539938

WEI Job No.: 491-05-01

Client **Accurate Group, Inc.**  
Project **FAP 533 (IL 176) from Deerpass Rd to Dean St.**  
Location **McHenry County, Illinois**

Datum: NAVD 88  
Elevation: 899.22 ft  
North: 2035526.35 ft  
East: 951672.30 ft  
Station: 1376+26.42  
Offset: 16.90 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
898.5	9-inch thick, ASPHALT --PAVEMENT--														
898.0	6-inch thick, loose, brown, damp SANDY GRAVEL --BASE COURSE--														
	Very stiff, black and brown, damp SILTY CLAY LOAM, little gravel, organic matter --FILL-- --RDR 2--		1	3	3	2.50	15				7	4	4.35	16	
896.2	Stiff, black, damp SILTY CLAY LOAM to LOAM, trace gravel --BURIED TOPSOIL-- --RDR 2--		2	3	4	1.50	35				8	4	3.23	15	
893.7	Very soft to hard, brown and gray, damp to moist SILTY CLAY LOAM, trace gravel --RDR 2-- --L <sub>t</sub> (%)=44, P <sub>t</sub> (%)=17-- --%Gravel=1.3-- --%Sand=23.5-- --%Silt=51.3-- --%Clay=24.0-- --A-7-6 (19)--		3	3	3	0.25	38				9	4	1.72	19	
			4	8	10	4.18	16				10	5	2.30	14	
			5	5	8	5.00	15								
			6	7	9	5.17	16								
								874.2	Boring terminated at 25.00 ft						

### GENERAL NOTES

Begin Drilling **03-22-2019** Complete Drilling **03-22-2019**  
 Drilling Contractor **Wang Testing Services** Drill Rig **CME55 TMR [85%]**  
 Driller **A&A** Logger **RKC** Checked by **C. Marin**  
 Drilling Method **3.25" HSA; boring backfilled upon completion**

### WATER LEVEL DATA

While Drilling **DRY**  
 At Completion of Drilling **DRY**  
 Time After Drilling **NA**  
 Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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WANGENG 4910501.GPJ WANGENG.GDT 8/1/19



USER NAME =	DESIGNED - SAT	REVISED -
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PLOT DATE =	DRAWN - JN	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS  
STRUCTURE NO. 056-0333

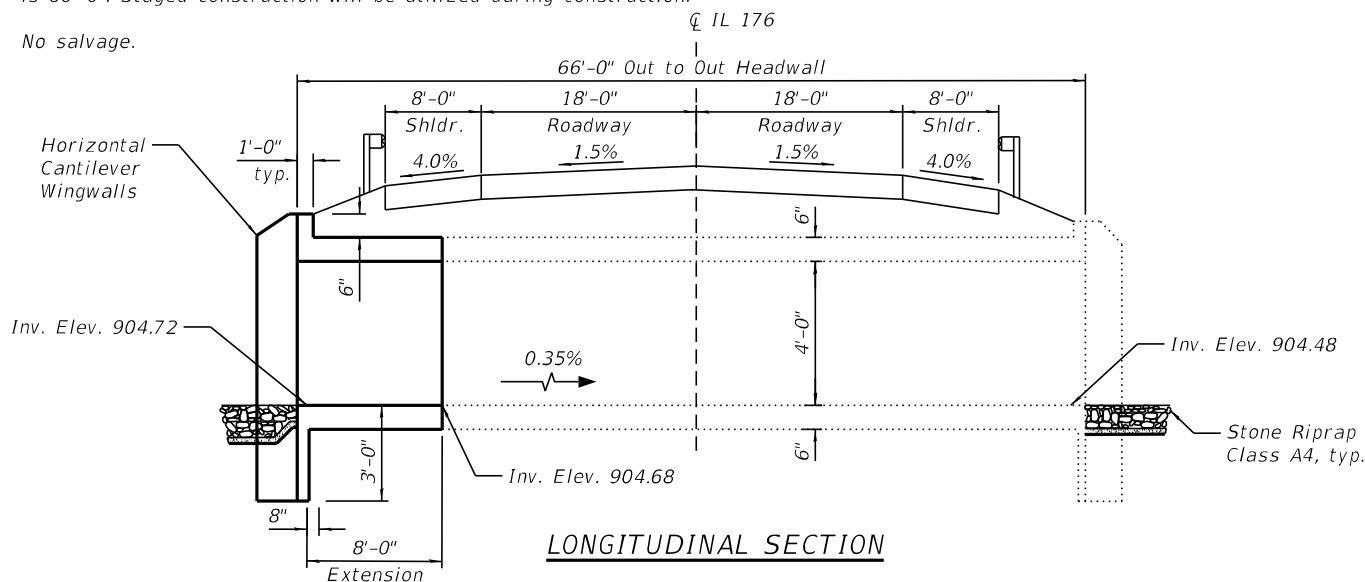
SHEET 7 OF 7 SHEETS

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY McHENRY	TOTAL SHEETS 300	SHEET NO. 226
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				

Benchmark: Chiseled Square in center of 3' headwall, south side of IL 176, approximately 400' E. of Dean St. Elev. 906.27.

Existing Structure: Existing Structure is a cast-in-place single cell box culvert 4'X4' carrying IL 176 over a ditch. The structure is located approximately 330' W. of Dean St. Total length of the structure is 60'-0". Staged construction will be utilized during construction.

No salvage.



**INDEX OF SHEETS**

1. General Plan
2. Culvert Extension Details
3. Boring Logs

**SCOPE OF WORK**

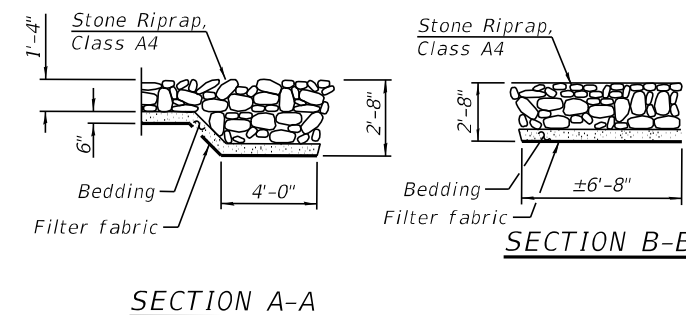
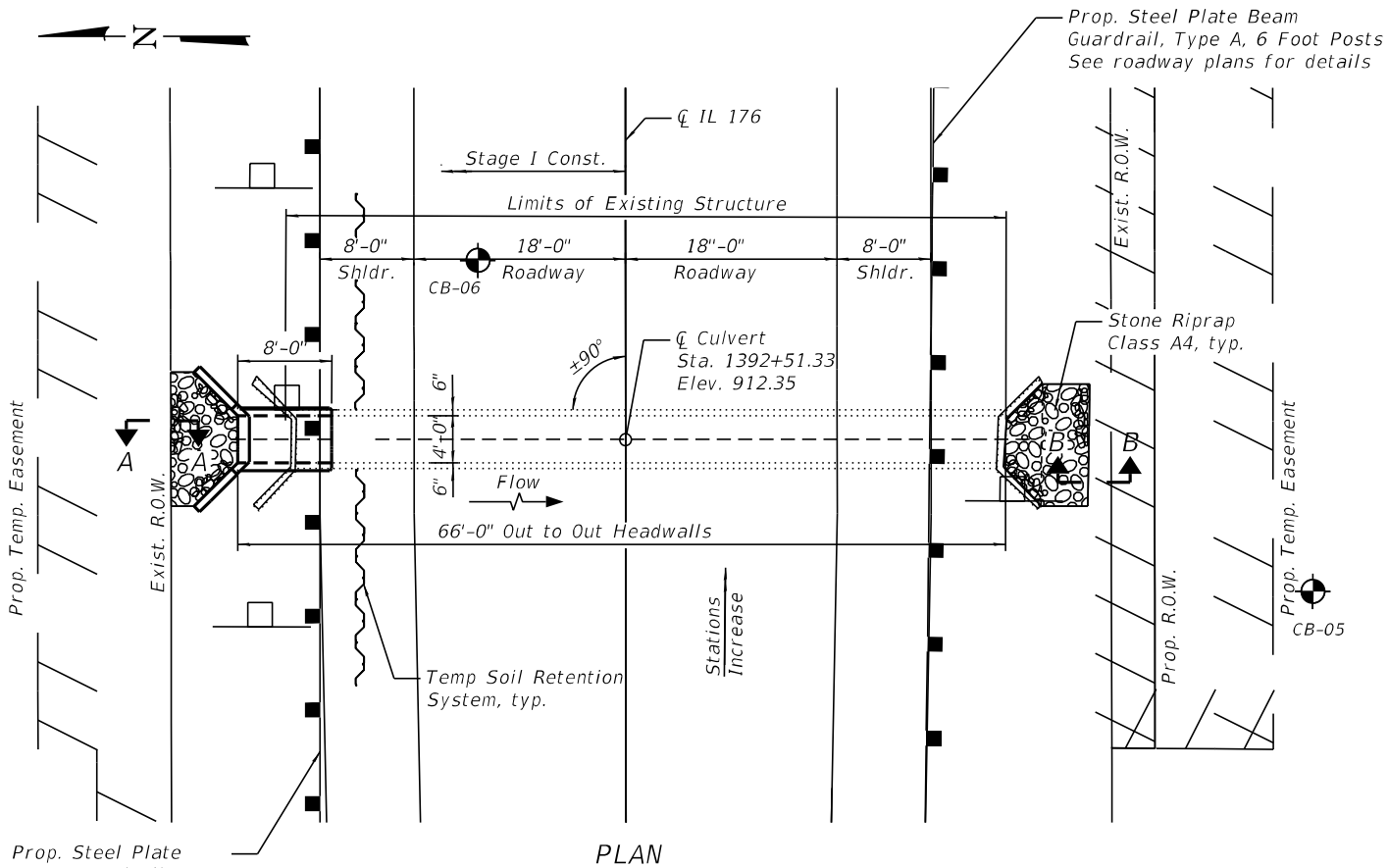
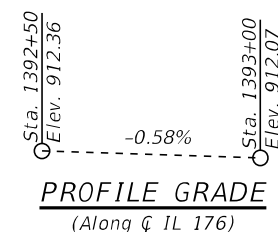
1. Remove 2'-0" of culvert at north end.
2. Remove debris in channel at upstream and downstream ends.
3. Clean existing box culvert.
4. Extend the culvert to the proposed length at north end.
5. Place riprap at upstream and downstream ends.

**GENERAL NOTES:**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Concrete Sealer shall be applied to the top and outside face of the horizontal cantilever wingwalls, and headwalls.
3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
4. All excavation required for the construction of the culvert in accordance with the Standard Specifications shall be included with the cost of Concrete Box Culverts.
5. Areas of excavation required for the construction of the culvert shall be backfilled with Porous Granular Embankment. See Special Provisions for details.
6. 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 actual quantity furnished at the unit price bid for the work.
7. The 2 year peak flow rate is 381 cfs.
8. Porous Granular Embankment is required a minimum of 2 feet outside of the culvert walls. Cost is included in the cost of Concrete Box Culverts.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	24
Filter Fabric	Sq. Yd.	24
Concrete Removal	Cu. Yd.	3
Expansion Bolts, 3/4"	Each	12
Concrete Box Culverts	Cu Yd	5.4
Reinforcement Bars, Epoxy Coated	Pound	1020
Concrete Sealer	Sq Ft	71
Porous Granular Embankment	Cu. Yd.	10
Temporary Soil Retention System	Sq. Ft.	167



**DESIGN SPECIFICATIONS**

2002 AASHTO Std. Specifications

**DESIGN STRESSES**

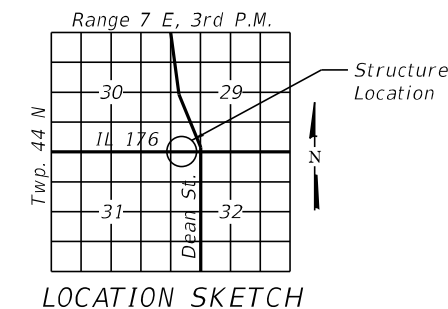
**FIELD UNITS**

f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

**LOADING HS 20-44**



DATE SIGNED: 06/18/2021  
EXP. DATE: 11/30/2022



**GENERAL PLAN & ELEVATION**  
**IL-176 CULVERT, 330' W. OF DEAN ST.**  
**OVER DRAINAGE DITCH**  
**SECTION NO. (119 & 105) C&W-1**  
**McHENRY COUNTY**  
**STATION 1392+51.33**

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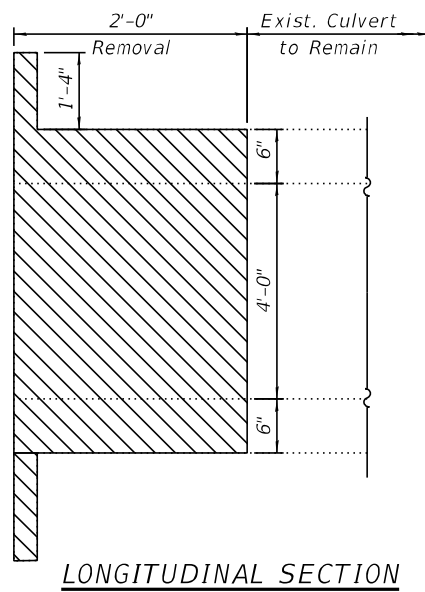
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

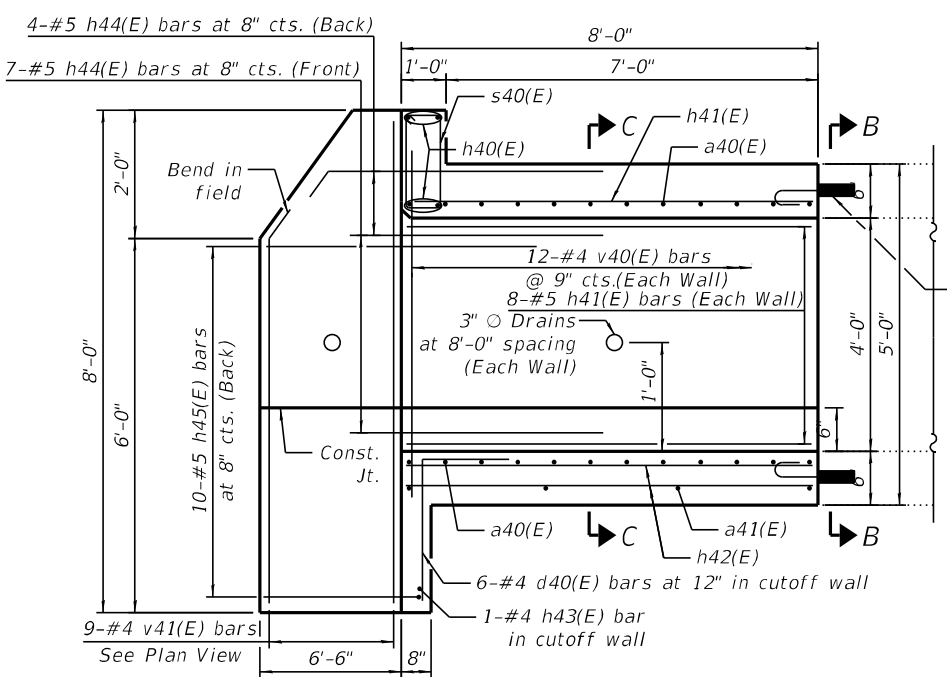
**IL RTE. 176 STA. 1392+51.33 OVER DRAINAGE DITCH**

SHEET 1 OF 3 SHEETS

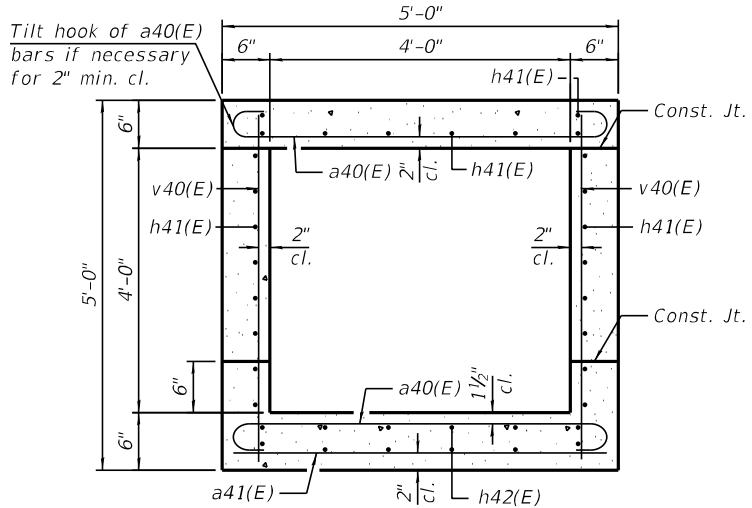
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CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				



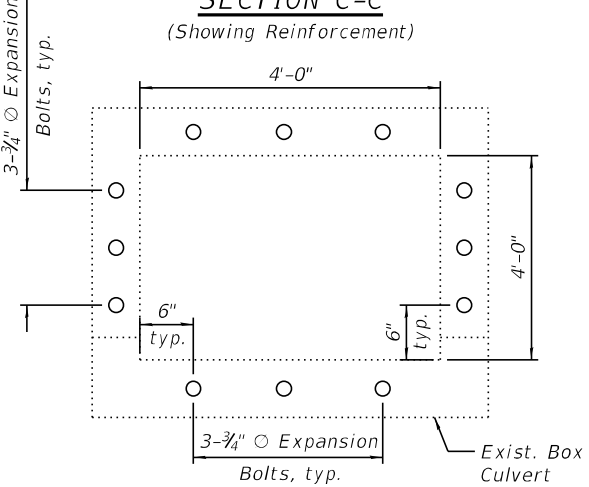
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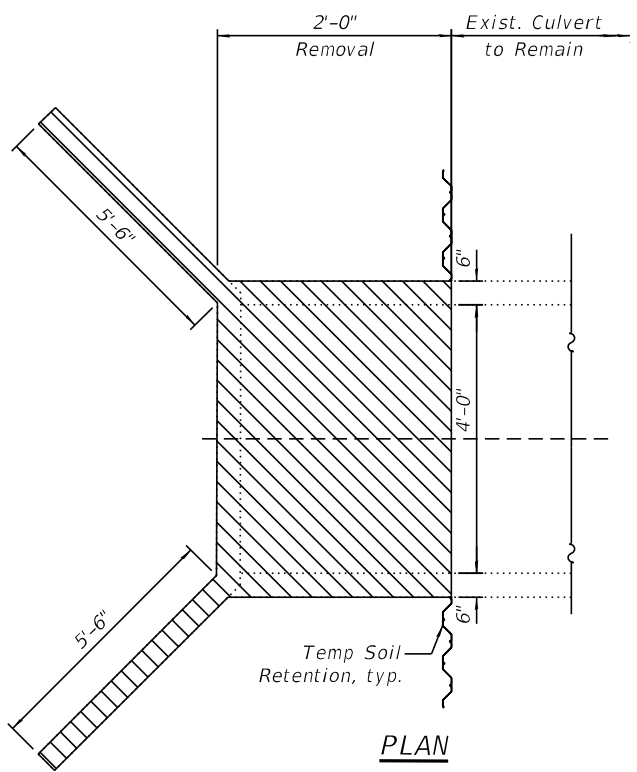
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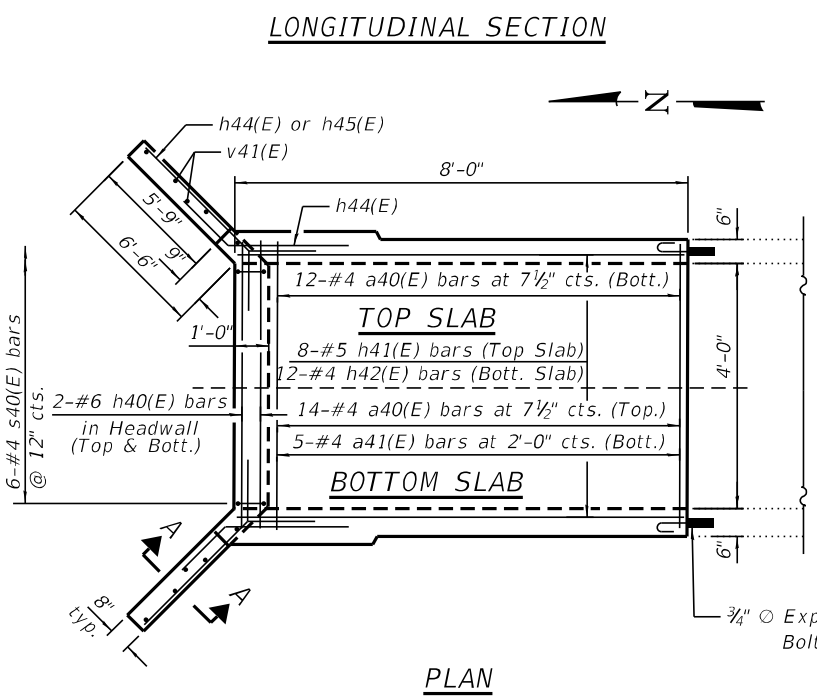
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(Showing Reinforcement)



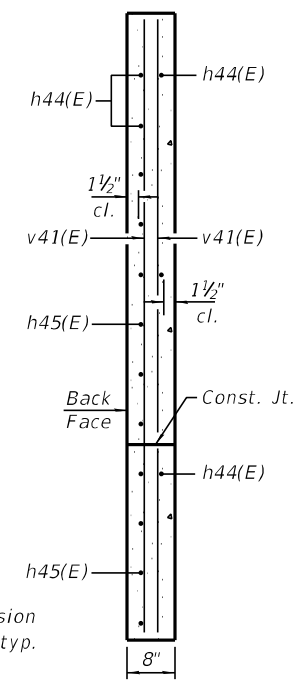
SECTION B-B  
(Showing Expansion Bolts)



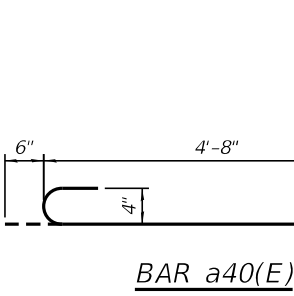
PLAN  
CULVERT REMOVAL DETAILS  
(North End Only)



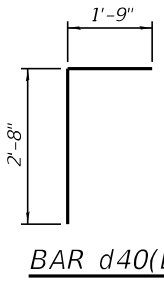
CULVERT EXTENSION DETAILS



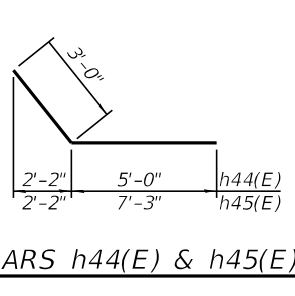
SECTION A-A



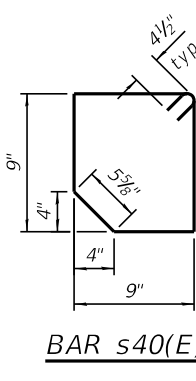
BAR a40(E)



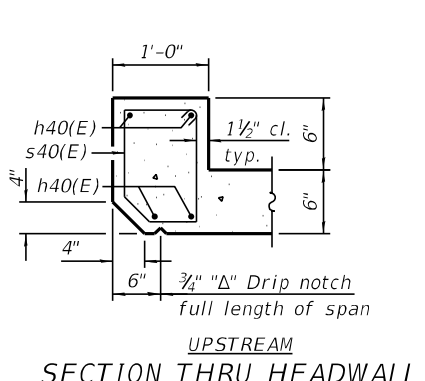
BAR d40(E)



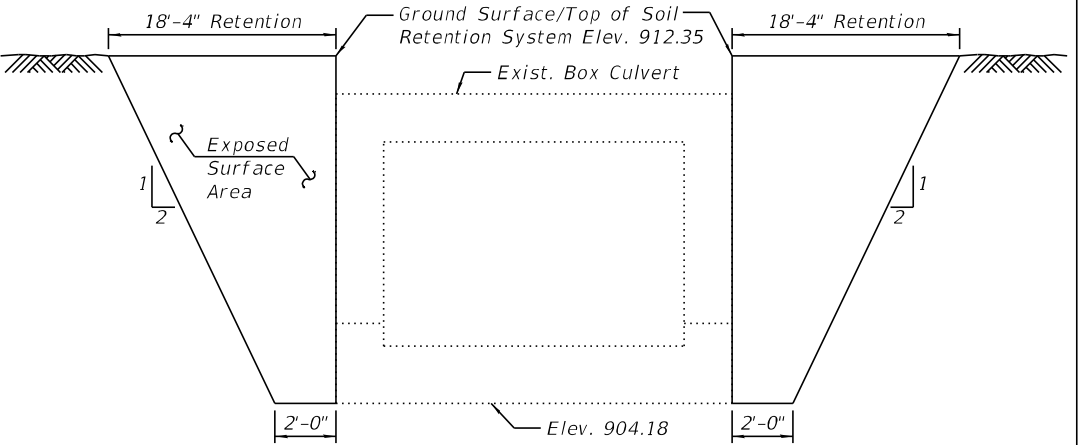
BARS h44(E) & h45(E)



BAR s40(E)



SECTION THRU HEADWALL



TEMPORARY SOIL RETENTION

A cantilever sheet piling design does not appear feasible and additional members or other retention system may be necessary. The Contractor shall submit a Temporary Soil Retention System design including plan details and calculations for review and acceptance by the Engineer.

- Notes:
- The full length of the barrel extension shall be poured monolithically with the wingwalls.
  - Expansion Bolts shall be hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.

BILL OF MATERIAL

(North End Only)

Bar	No.	Size	Length	Shape
a40(E)	26	#4	5'-8"	U
a41(E)	5	#4	4'-8"	—
d40(E)	6	#4	4'-5"	L
h40(E)	4	#6	4'-8"	—
h41(E)	40	#5	7'-8"	—
h42(E)	12	#4	7'-8"	—
h43(E)	1	#4	4'-8"	—
h44(E)	22	#5	8'-0"	—
h45(E)	20	#5	10'-3"	—
s40(E)	6	#4	3'-7"	U
v40(E)	24	#4	4'-8"	—
v41(E)	18	#4	7'-8"	—
Concrete Removal		Cu Yd	2.7	
Expansion Bolts, 3/4"		Each	12	
Concrete Box Culverts		Cu Yd	5.4	
Reinforcement Bars, Epoxy Coated		Pound	1130	
Concrete Sealer		Sq Ft	71	
Porous Granular Embankment		Cu Yd	10	

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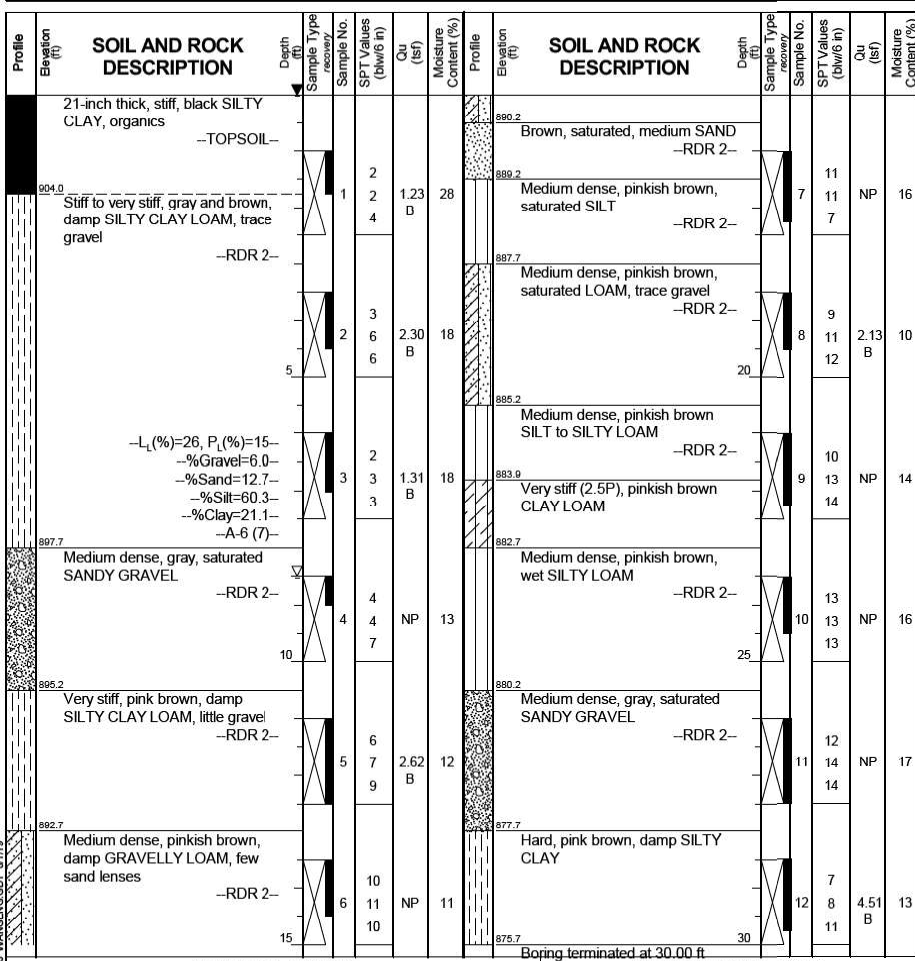
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

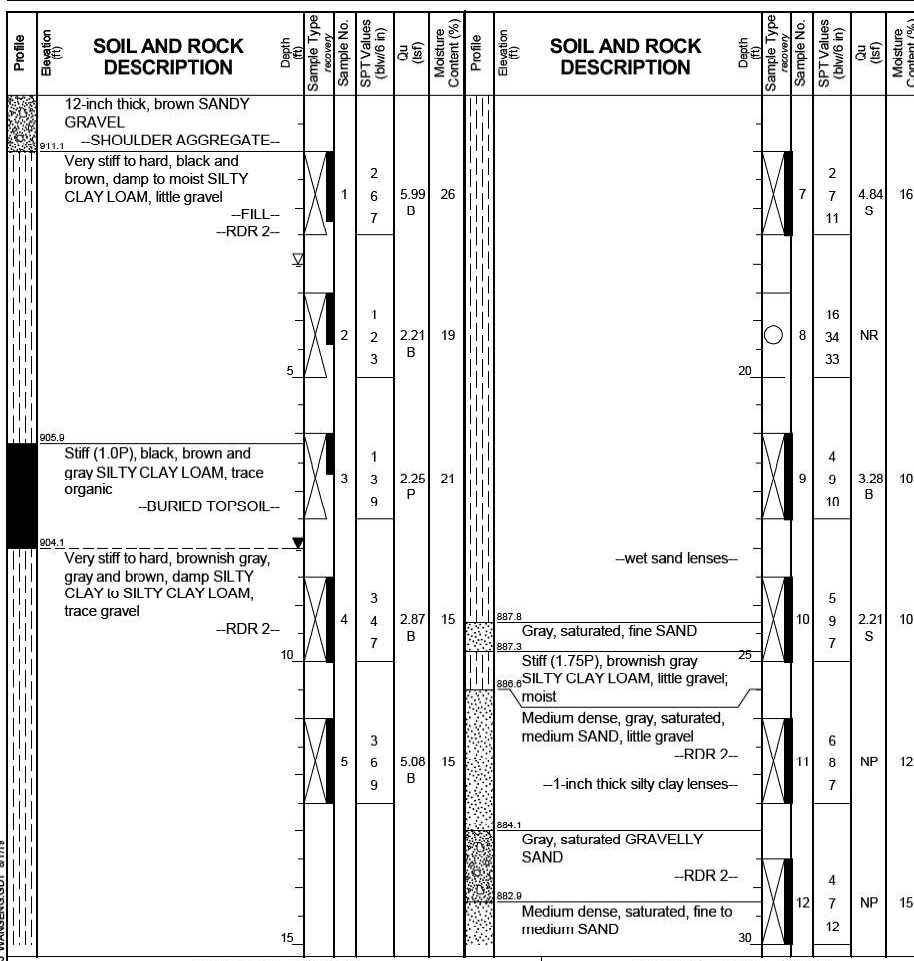
CULVERT EXTENSION DETAILS  
IL RTE. 176 STA. 1392+51.33 OVER DRAINAGE DITCH

SHEET 2 OF 3 SHEETS

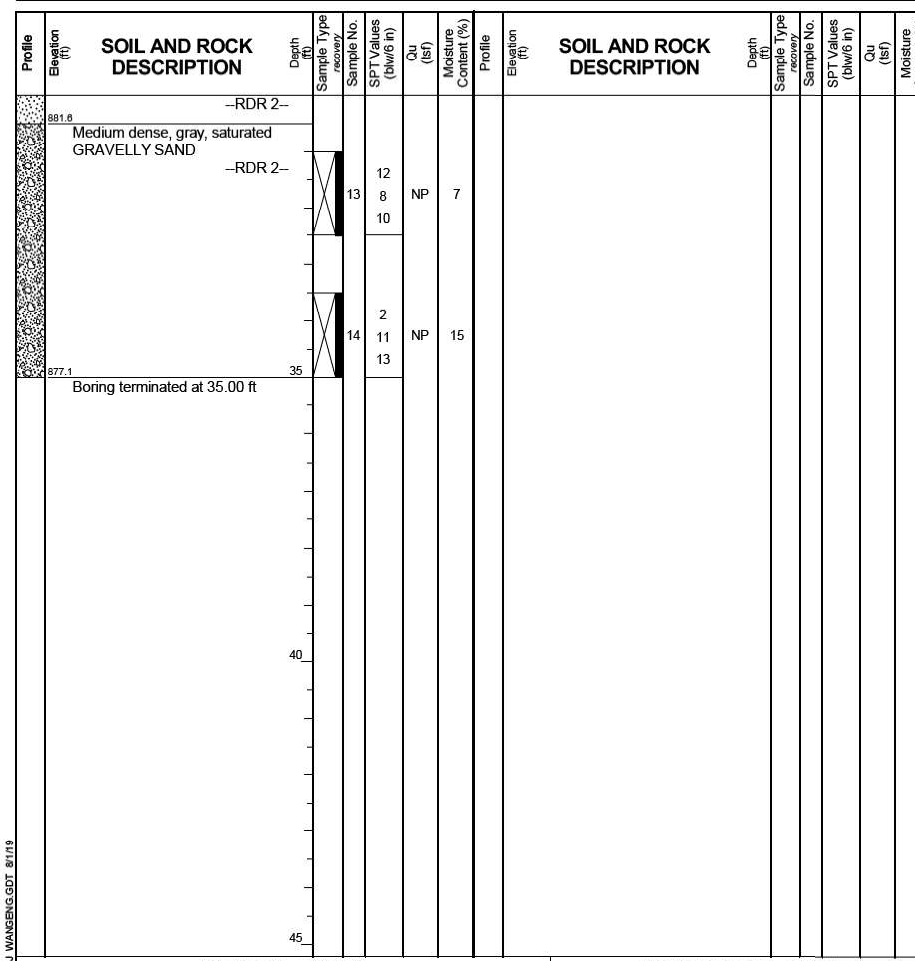
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533	(119&105)C&W-1	McHENRY	300	228
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	03-27-2019	Complete Drilling	03-27-2019	While Drilling	▽	8.50 ft	
Drilling Contractor	Wana Testina Services	Drill Rig	D25 ATV [93%]	At Completion of Drilling	▽	0.00 ft	
Driller	R&I	Logger	I. Nenn	Time After Drilling		NA	
Checked by	C. Marin	Depth to Water	▽	NA			
Drilling Method	2.25" HSA; boring backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	03-15-2017	Complete Drilling	03-15-2017	While Drilling	▽	3.00 ft	
Drilling Contractor	Wang Testing Services	Drill Rig	CME55 TMR [85%]	At Completion of Drilling	▽	8.00 ft	
Driller	A&A	Logger	J. Rowells	Time After Drilling		NA	
Checked by	C. Marin	Depth to Water	▽	NA			
Drilling Method	3.25" HSA; boring backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	03-15-2017	Complete Drilling	03-15-2017	While Drilling	▽	3.00 ft	
Drilling Contractor	Wang Testing Services	Drill Rig	CME55 TMR [85%]	At Completion of Drilling	▽	8.00 ft	
Driller	A&A	Logger	J. Rowells	Time After Drilling		NA	
Checked by	C. Marin	Depth to Water	▽	NA			
Drilling Method	3.25" HSA; boring backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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Benchmark: Chiseled Square in center of 3' headwall, south side of IL 176, approximately 400' E. of Dean St. Elev. 906.27.

Existing Structure: Existing Structure is a single cell box culvert 2'X2' carrying IL 176 over a ditch. The structure is located 400' E. of Dean St. Total length of the structure is 55'-0". Staged construction will be utilized during construction.

No salvage.

### INDEX OF SHEETS

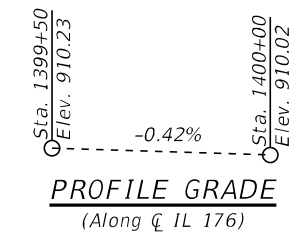
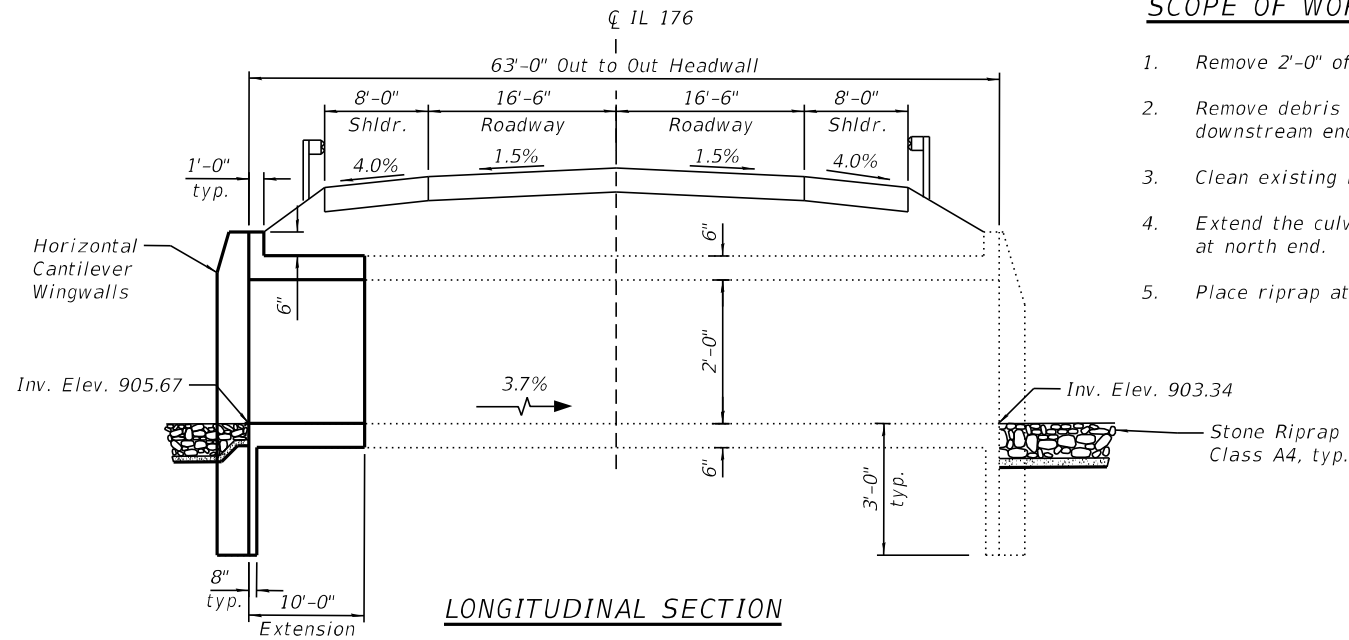
- General Plan
- Culvert Extension Details

### SCOPE OF WORK

- Remove 2'-0" of culvert at north end (Upstream).
- Remove debris in channel at upstream and downstream ends.
- Clean existing box culvert.
- Extend the culvert to the proposed length at north end.
- Place riprap at upstream and downstream ends.

### GENERAL NOTES:

- Reinforcement bars designated (E) shall be epoxy coated.
- Concrete Sealer shall be applied to the top and outside face of the horizontal cantilever wingwalls and headwalls.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- All excavation required for the construction of the culvert in accordance with the Standard Specifications shall be included with the cost of Concrete Box Culverts.
- Areas of excavation required for the construction of the culvert shall be backfilled with Porous Granular Embankment. See Special Provisions for details.
- 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 actual quantity furnished at the unit price bid for the work.
- The 2 year peak flow rate is 381 cfs.
- Porous Granular Embankment is required a minimum of 2 feet outside of the culvert walls. Cost is included in the cost of Concrete Box Culverts.



### TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	15
Filter Fabric	Sq. Yd.	15
Concrete Removal	Cu. Yd.	2.5
Expansion Bolts, 3/4"	Each	8
Concrete Box Culverts	Cu Yd	3.1
Reinforcement Bars, Epoxy Coated	Pound	580
Concrete Sealer	Sq Ft	29
Porous Granular Embankment	Cu. Yd.	8
Temporary Soil Retention System	Sq. Ft.	74

### DESIGN SPECIFICATIONS

2002 AASHTO Std. Specifications

### DESIGN STRESSES

FIELD UNITS

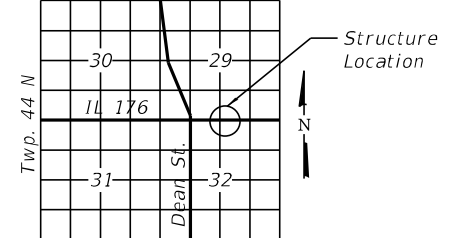
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 $f_y = 60,000$  psi (Reinforcement)

### LOADING HS 20-44



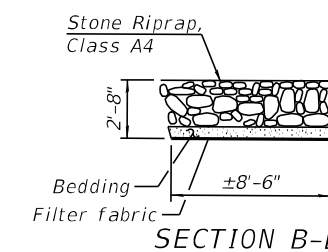
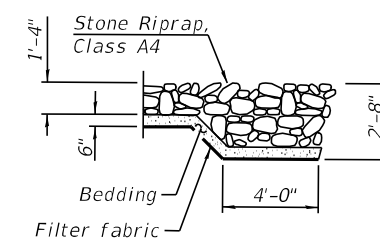
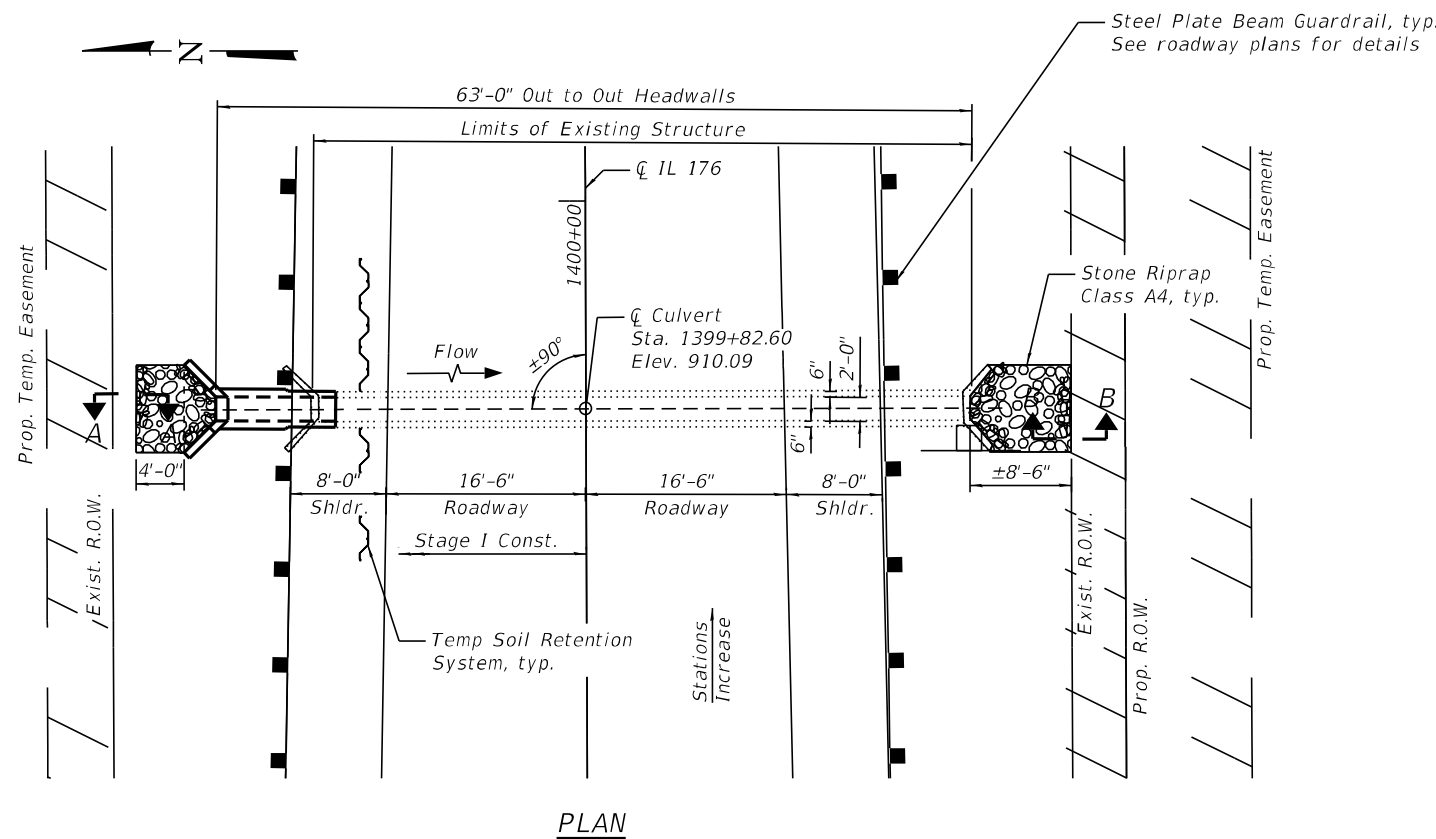
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EXP. DATE: 11/30/2022

### LOCATION SKETCH



### GENERAL PLAN

IL-176 CULVERT, 400' E. OF DEAN ST.  
OVER DRAINAGE DITCH  
SECTION NO. (119 & 105) C&W-1  
McHENRY COUNTY  
STATION 1399+82.60



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL RTE. 176 STA. 1399+82.60 OVER DRAINAGE DITCH

SHEET 1 OF 2 SHEETS

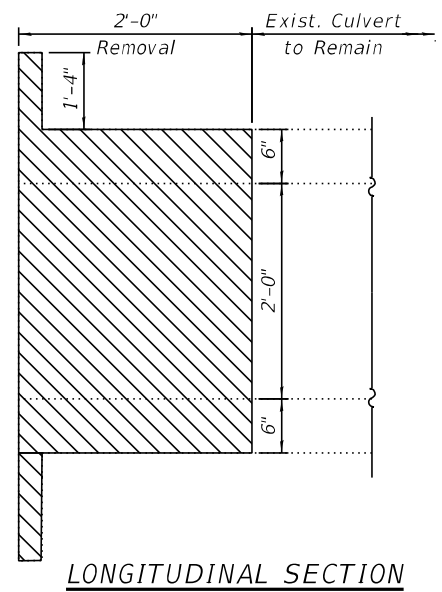
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533	(119&105)C&W-1	McHENRY	300	230
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				

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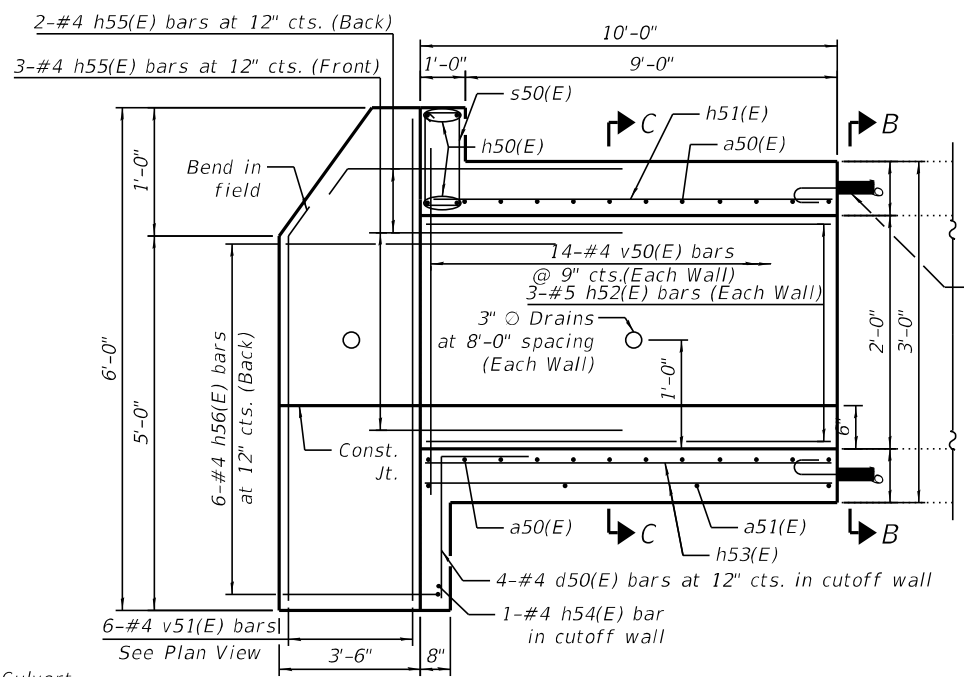
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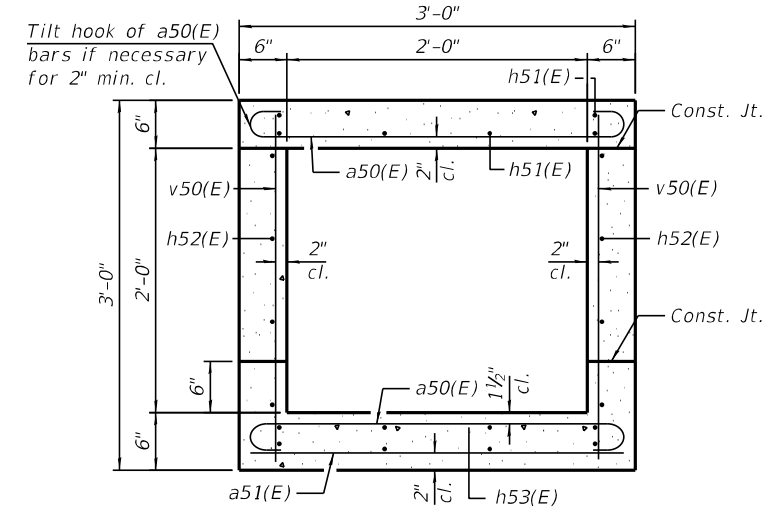
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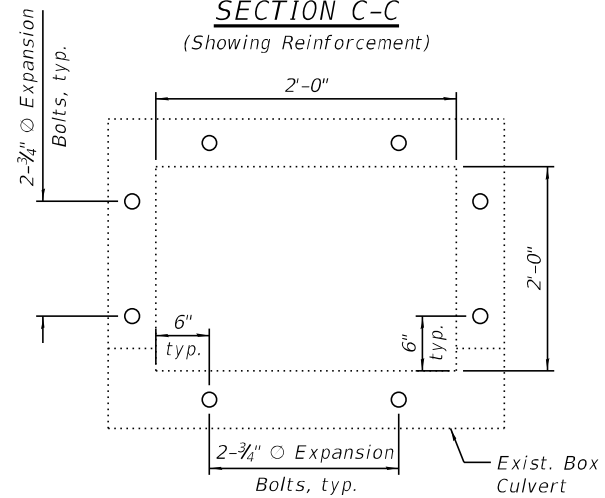
LONGITUDINAL SECTION



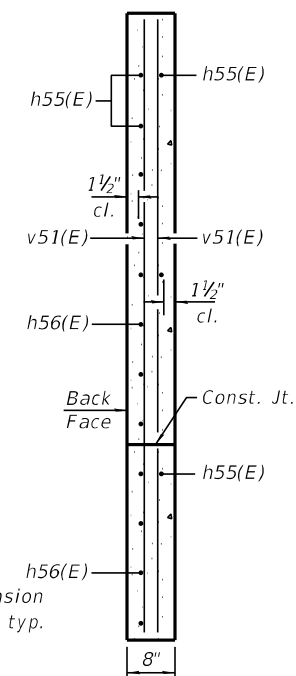
LONGITUDINAL SECTION



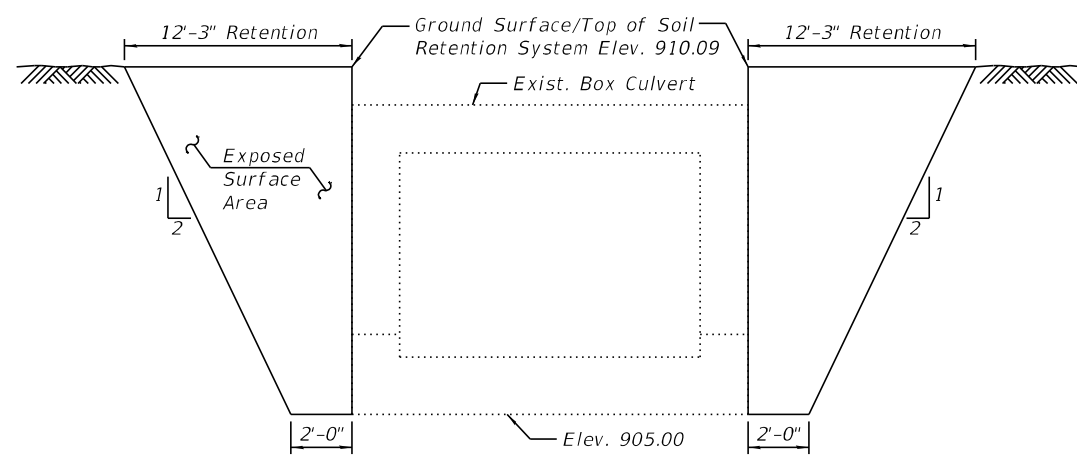
SECTION C-C  
(Showing Reinforcement)



SECTION B-B  
(Showing Expansion Bolts)



SECTION A-A

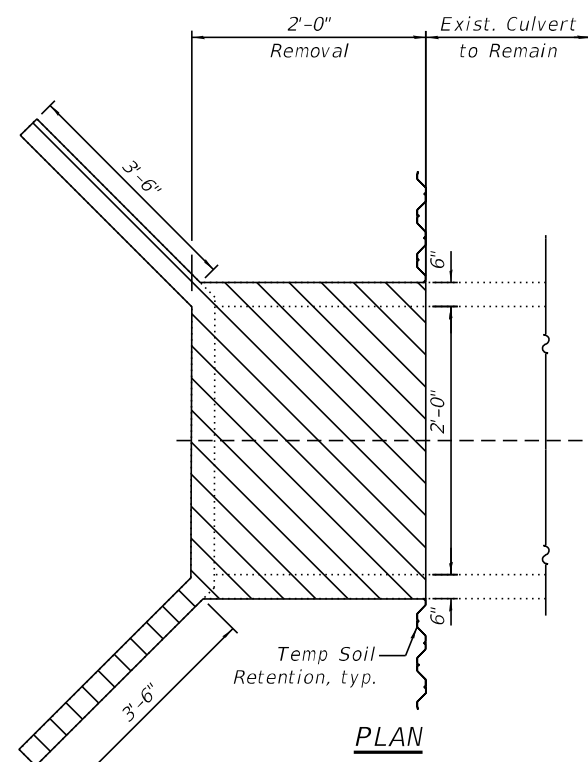


TEMPORARY SOIL RETENTION

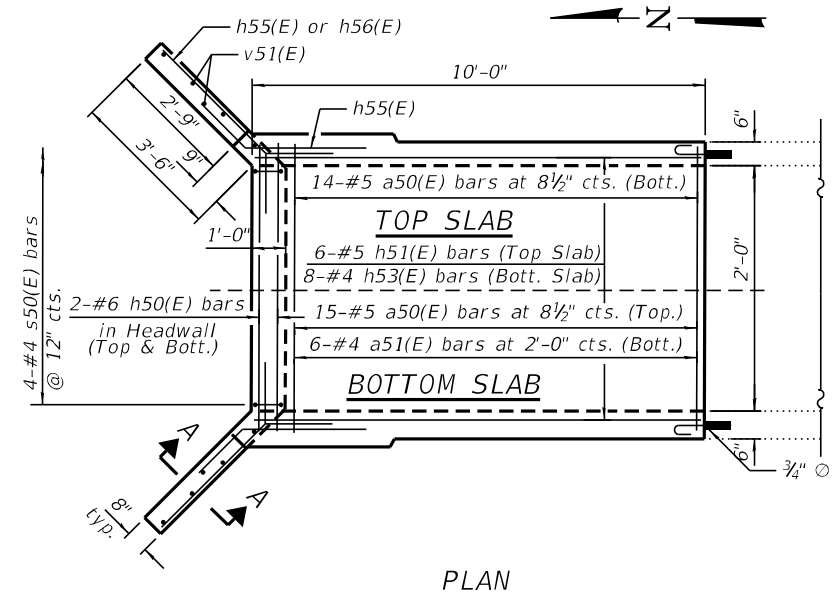
A cantilever sheet piling design does not appear feasible and additional members or other retention system may be necessary. The Contractor shall submit a Temporary Soil Retention System design including plan details and calculations for review and acceptance by the Engineer.

- Notes:
- The full length of the barrel extension shall be poured monolithically with the wingwalls.
  - Expansion Bolts shall be hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.

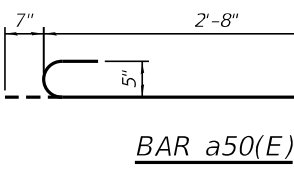
BILL OF MATERIAL (North End Only)				
Bar	No.	Size	Length	Shape
a50(E)	29	#5	3'-10"	U
a51(E)	6	#4	2'-8"	—
d50(E)	4	#4	4'-5"	L
h50(E)	4	#6	2'-8"	—
h51(E)	6	#5	9'-8"	—
h52(E)	6	#5	9'-8"	—
h53(E)	8	#4	9'-8"	—
h54(E)	1	#4	2'-8"	—
h55(E)	10	#4	8'-0"	—
h56(E)	12	#4	7'-3"	—
s50(E)	4	#4	3'-7"	U
v50(E)	28	#4	2'-8"	—
v51(E)	12	#4	5'-8"	—
Concrete Removal		Cu Yd	1.5	
Expansion Bolts, 3/4"		Each	8	
Concrete Box Culverts		Cu Yd	3.1	
Reinforcement Bars, Epoxy Coated		Pound	580	
Concrete Sealer		Sq Ft	29	
Porous Granular Embankment		Cu Yd	8	



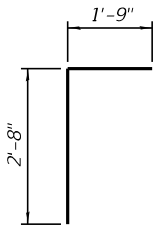
CULVERT REMOVAL DETAILS  
(North End Only)



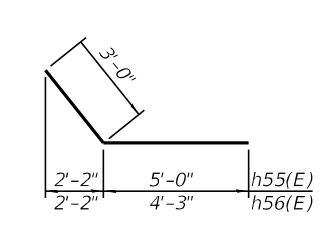
CULVERT EXTENSION DETAILS  
(North End Only)



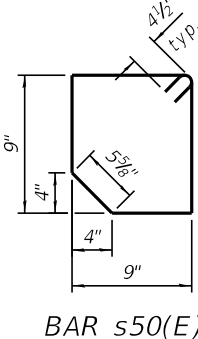
BAR a50(E)



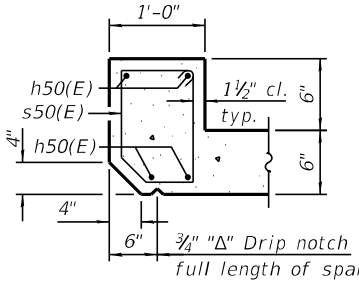
BAR d50(E)



BARS h55(E) & h56(E)



BAR s50(E)



SECTION THRU HEADWALL

MODEL: Default  
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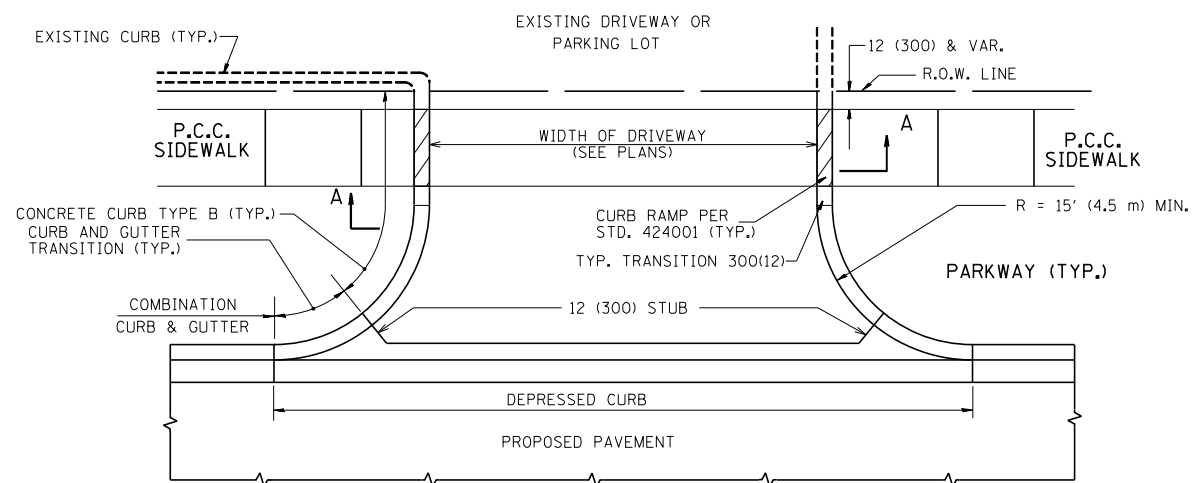
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PLOT DATE =	CHECKED - JMT	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

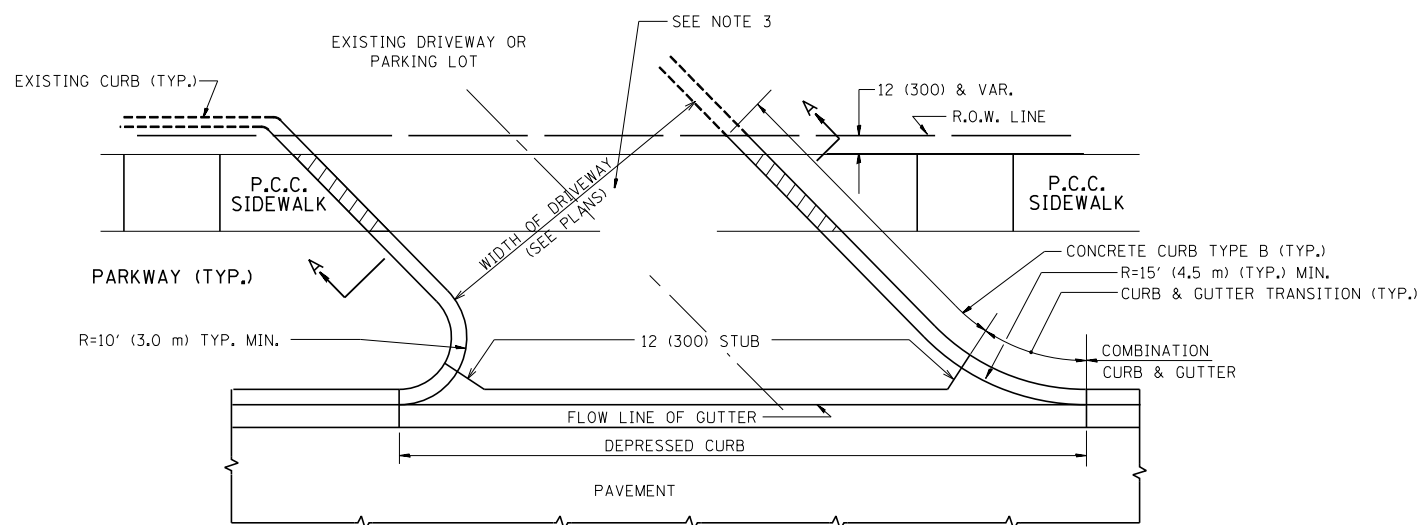
CULVERT EXTENSION DETAILS  
IL RTE. 176 STA. 1399+82.60 OVER DRAINAGE DITCH

SHEET 2 OF 2 SHEETS

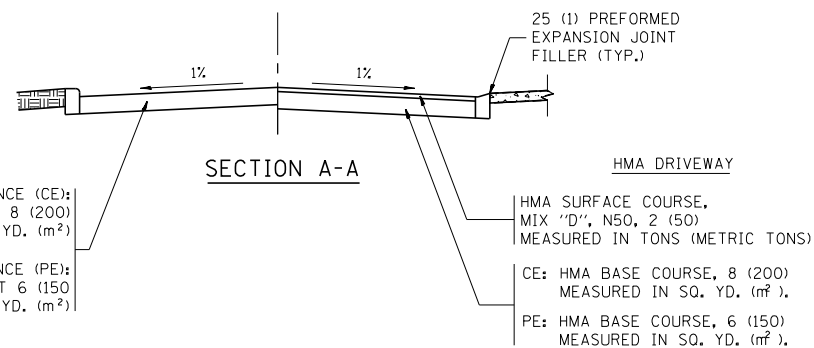
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	231
CONTRACT NO. 62G35				
ILLINOIS FED. AID PROJECT				



WITH CONCRETE CURB, TYPE B



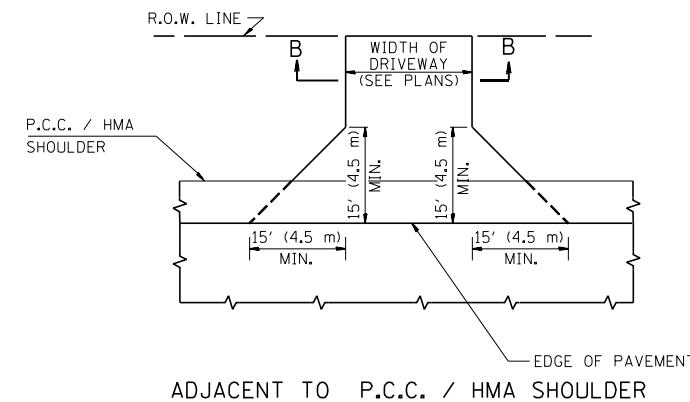
WITH CONCRETE CURB, TYPE B



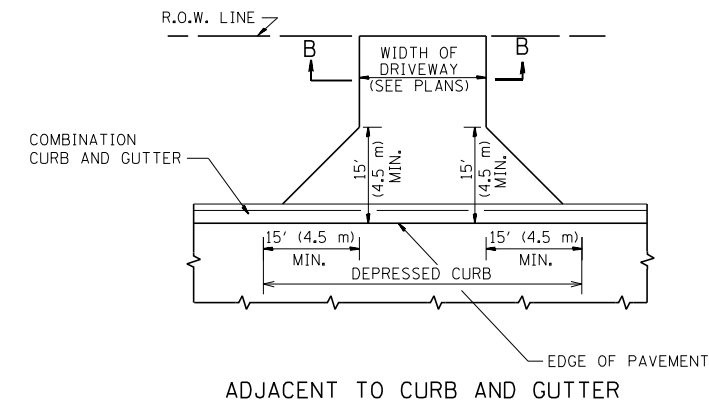
SECTION A-A

**RIGID DRIVEWAY**  
 COMMERCIAL ENTRANCE (CE):  
 P.C.C. DRIVEWAY PAVEMENT 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>)  
 NON-COMMERCIAL ENTRANCE (PE):  
 P.C.C. DRIVEWAY PAVEMENT 6 (150)  
 MEASURED IN SQ. YD. (m<sup>2</sup>)

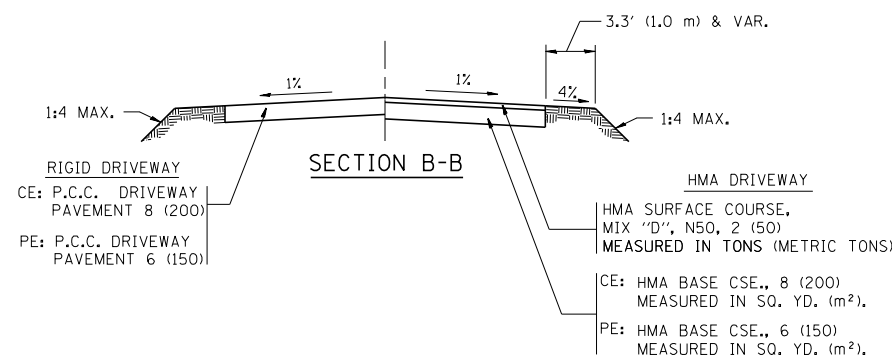
**HMA DRIVEWAY**  
 HMA SURFACE COURSE,  
 MIX "D", N50, 2 (50)  
 MEASURED IN TONS (METRIC TONS)  
 CE: HMA BASE COURSE, 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>),  
 PE: HMA BASE COURSE, 6 (150)  
 MEASURED IN SQ. YD. (m<sup>2</sup>).



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



SECTION B-B

**RIGID DRIVEWAY**  
 CE: P.C.C. DRIVEWAY PAVEMENT 8 (200)  
 PE: P.C.C. DRIVEWAY PAVEMENT 6 (150)

**HMA DRIVEWAY**  
 HMA SURFACE COURSE,  
 MIX "D", N50, 2 (50)  
 MEASURED IN TONS (METRIC TONS)  
 CE: HMA BASE CSE., 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>),  
 PE: HMA BASE CSE., 6 (150)  
 MEASURED IN SQ. YD. (m<sup>2</sup>).

**RURAL FIELD ENTRANCE (FE)**  
 HMA SURFACE COURSE,  
 MIX "D", N50, 2 (50)  
 MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>).

**GENERAL NOTES:**

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

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

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

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

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

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

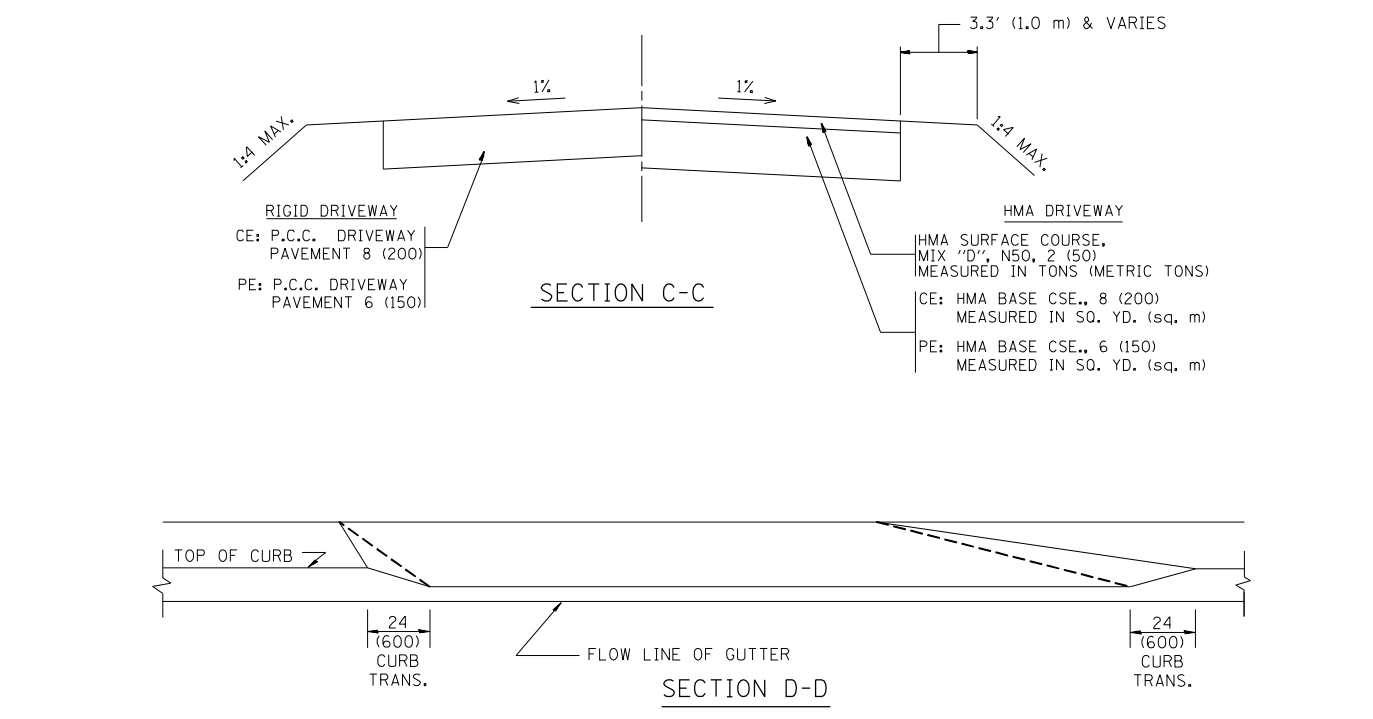
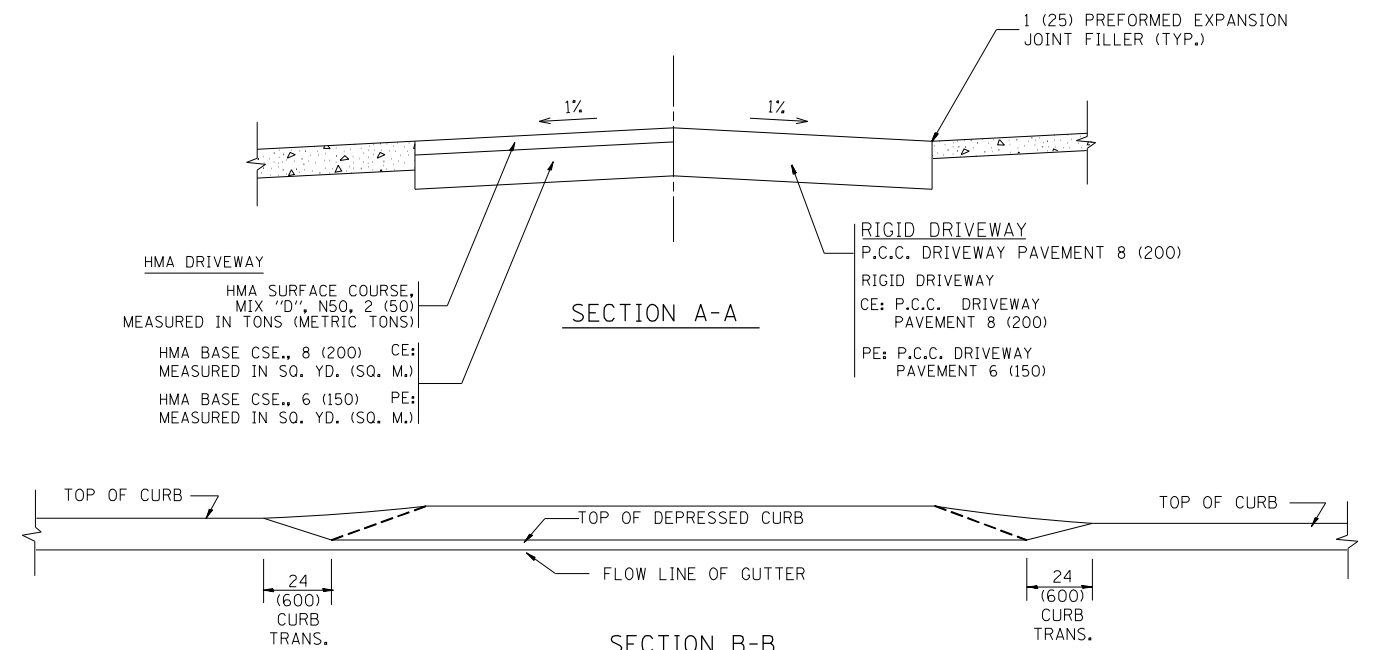
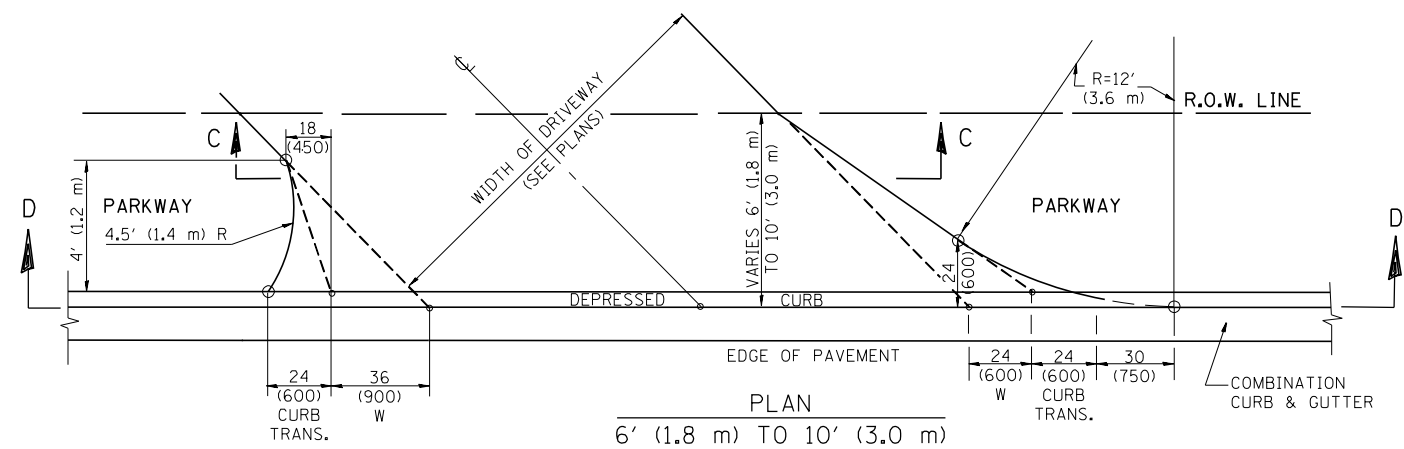
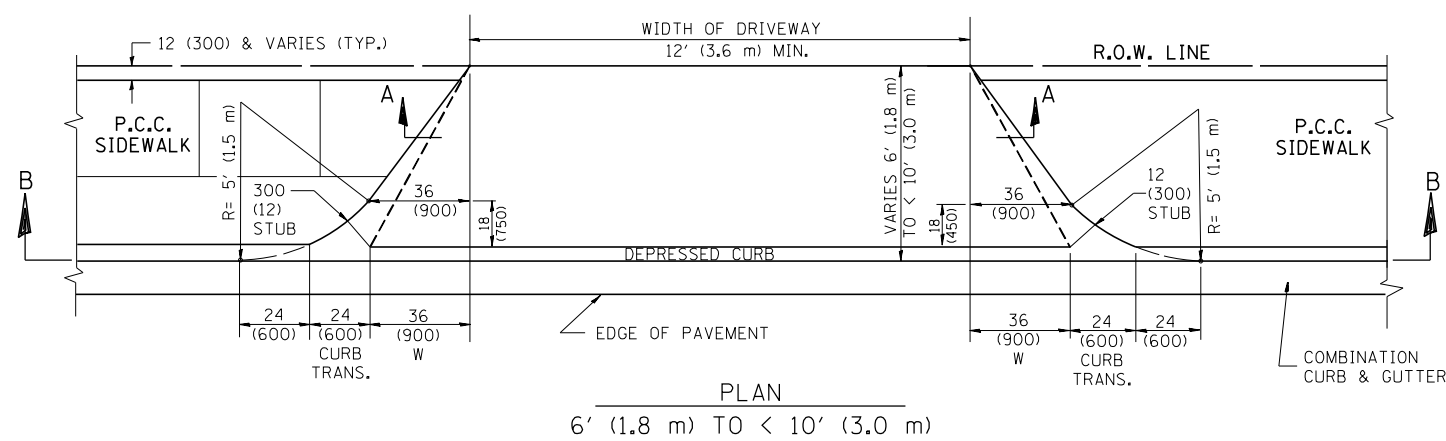
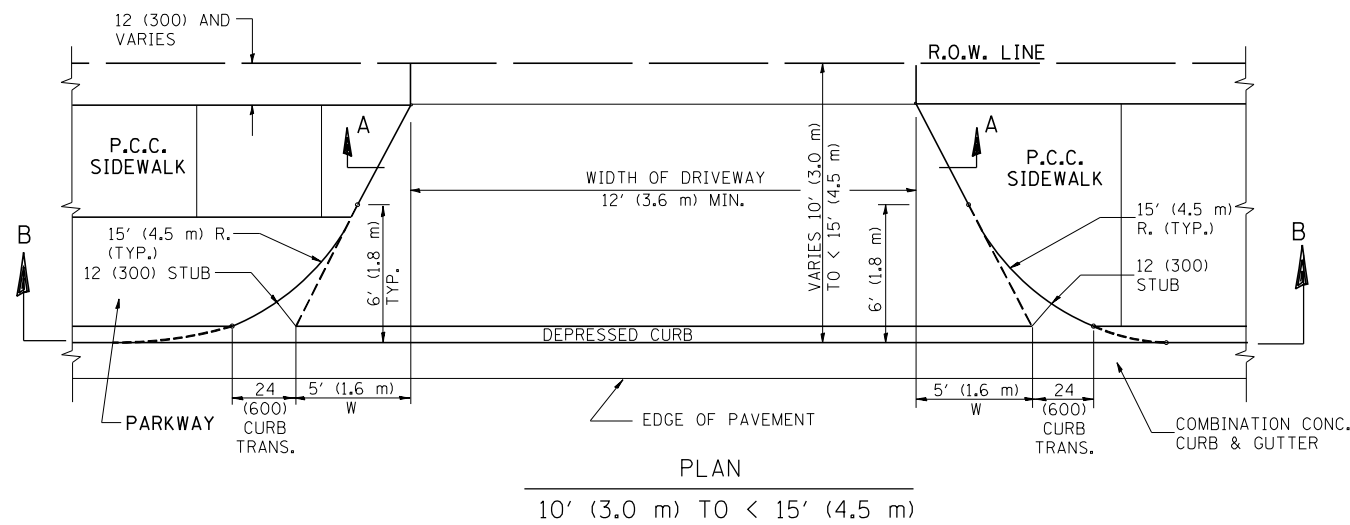
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	PLOT DATE = 9/6/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.    AND FACE OF CURB &amp; EDGE OF SHOULDER &gt;= 15' (4.5 m)</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	232
<b>BD0156-07 (BD-01)</b>			CONTRACT NO. 62G35	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





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).

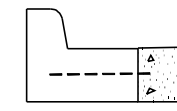
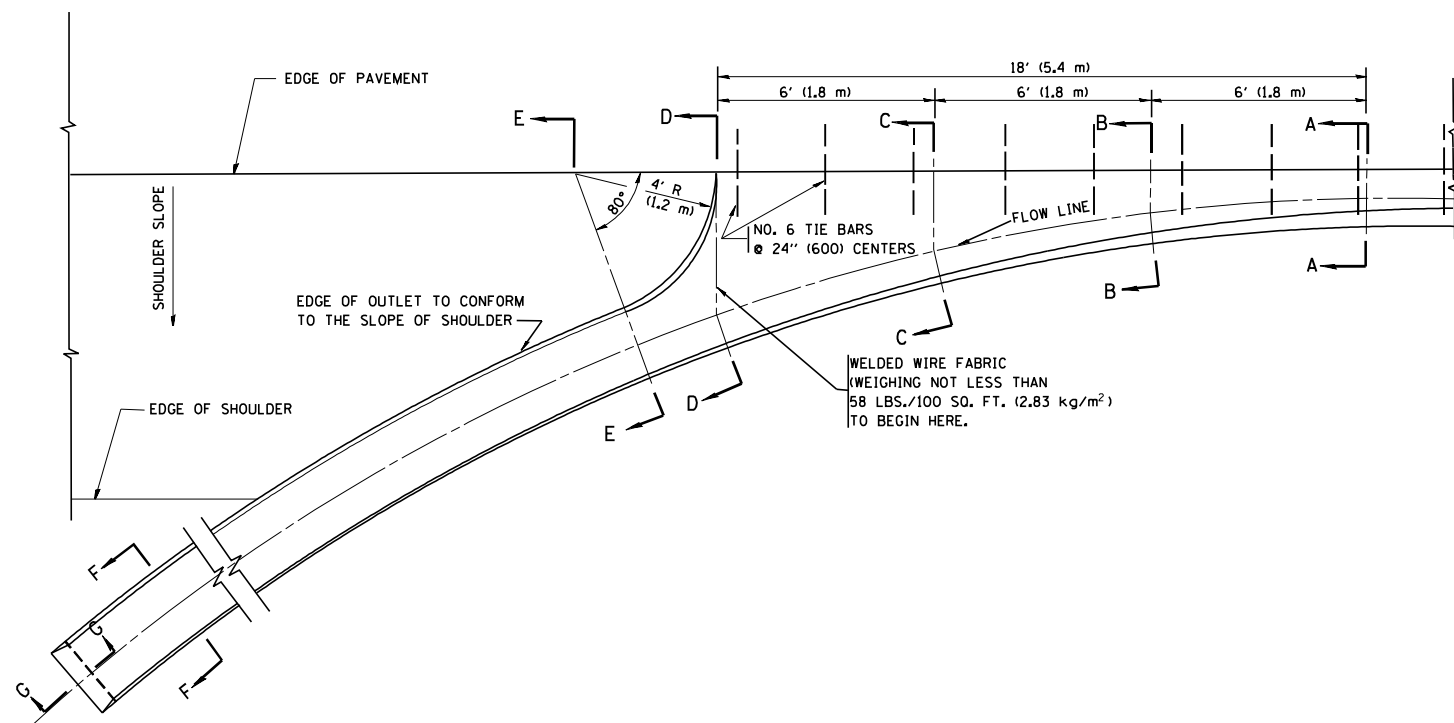
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

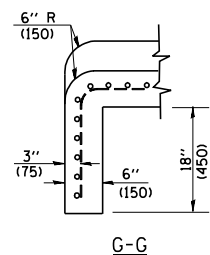
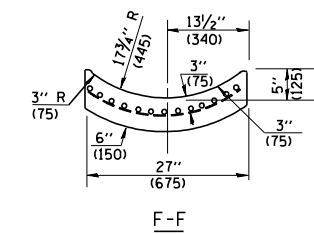
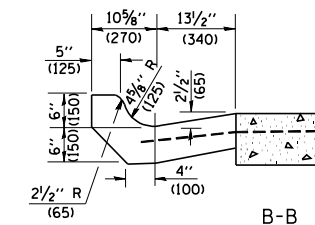
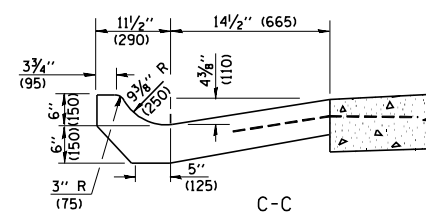
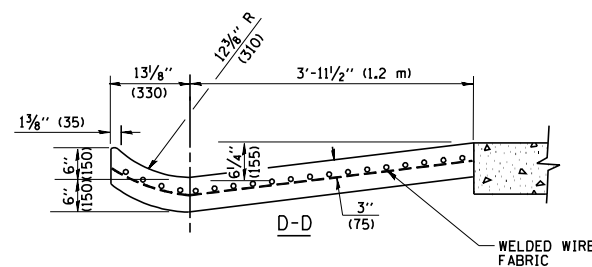
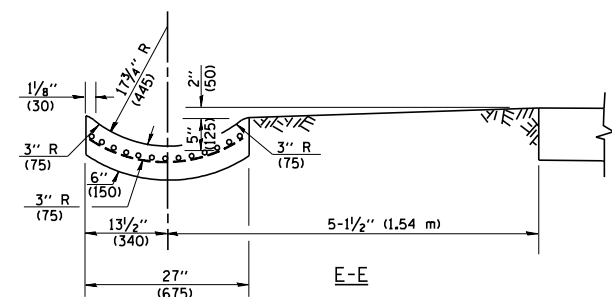
DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	233
BD400-02 (BD-02)		CONTRACT NO. 62G35		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



A-A \*

\* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



**GENERAL NOTES**

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24\"/>

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

**QUANTITIES**

FOR SECTION A-A TO E-E AND CURTAIN WALL =  
 1.25 CU. YDS. (0.96 m<sup>3</sup>) CLASS SI CONCRETE (OUTLET) FOR 9\"/>

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

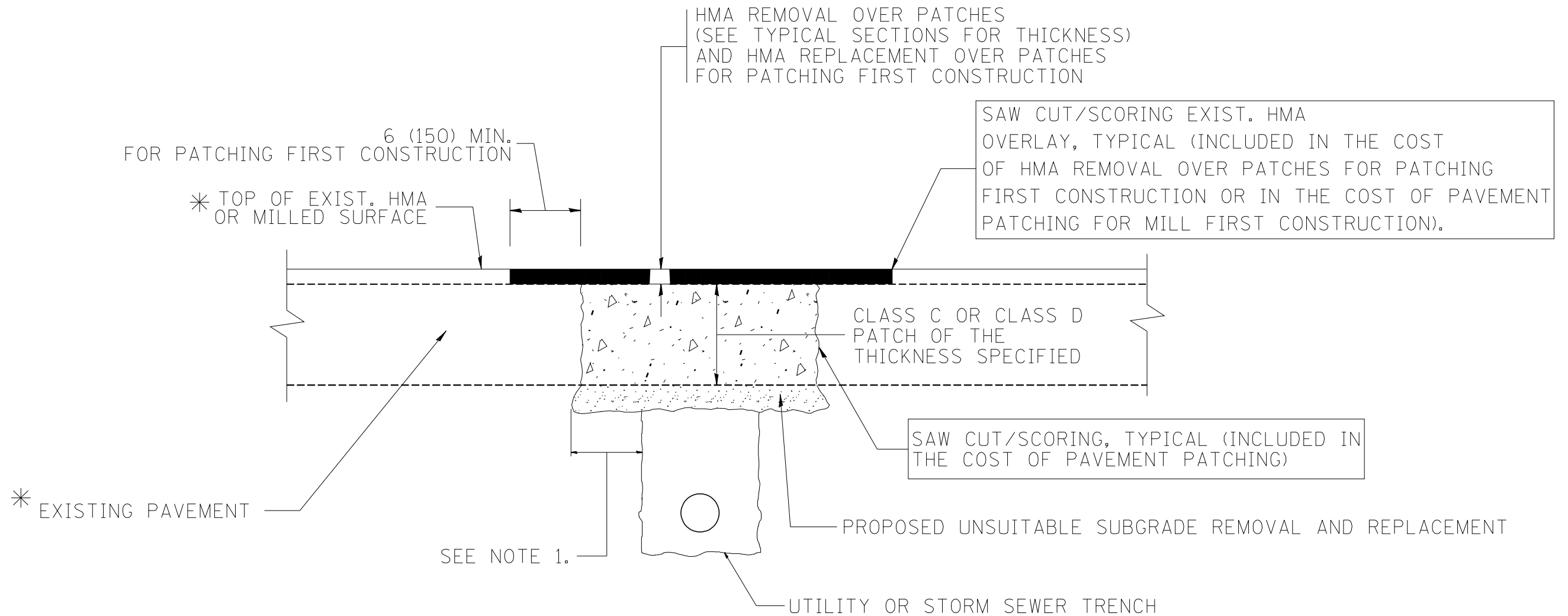
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	PLOT DATE = 1/4/2008	DATE - 08-04-86	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**OUTLET FOR CONCRETE  
CURB AND GUTTER**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	234
<b>BD600-01 (BD-03)</b>		CONTRACT NO.	62G35	
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.

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 01-01-07					533	(1198105)C&W-1	McHENRY	300	235
PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - R. BORO 09-04-07	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	<b>BD400-04 (BD-22)</b> CONTRACT NO. 62G35			
								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

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

SEE STATE STANDARD 606001  
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) \*\*

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

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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

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

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

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

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

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

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

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

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

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

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

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

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

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

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

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

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

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

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

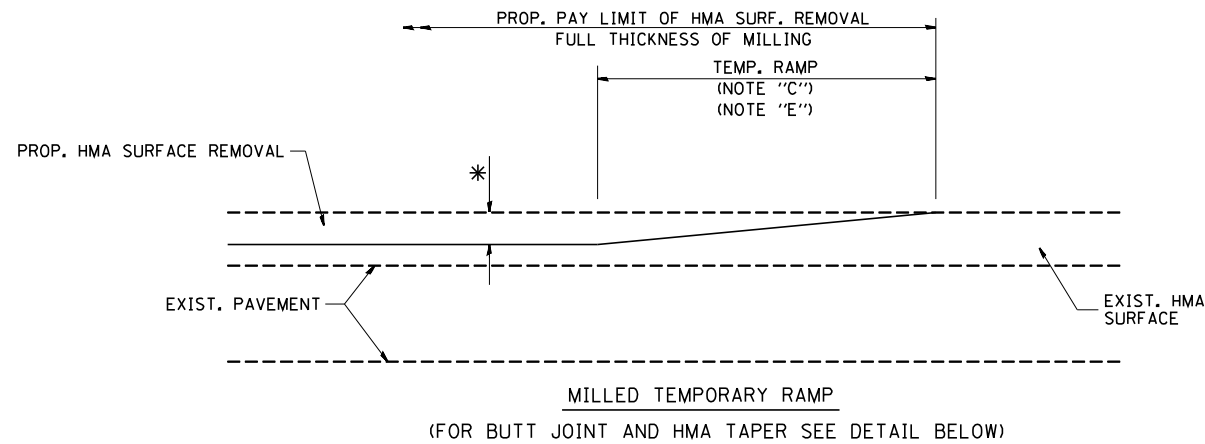
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	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

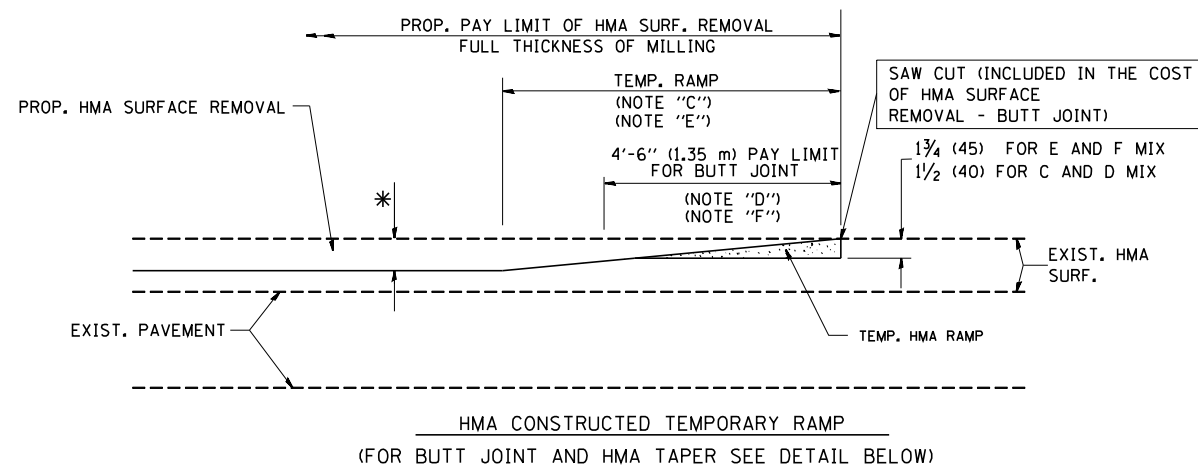
**CURB OR CURB AND GUTTER  
REMOVAL AND REPLACEMENT**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	236
<b>BD600-06 (BD-24)</b>		CONTRACT NO.	62G35	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

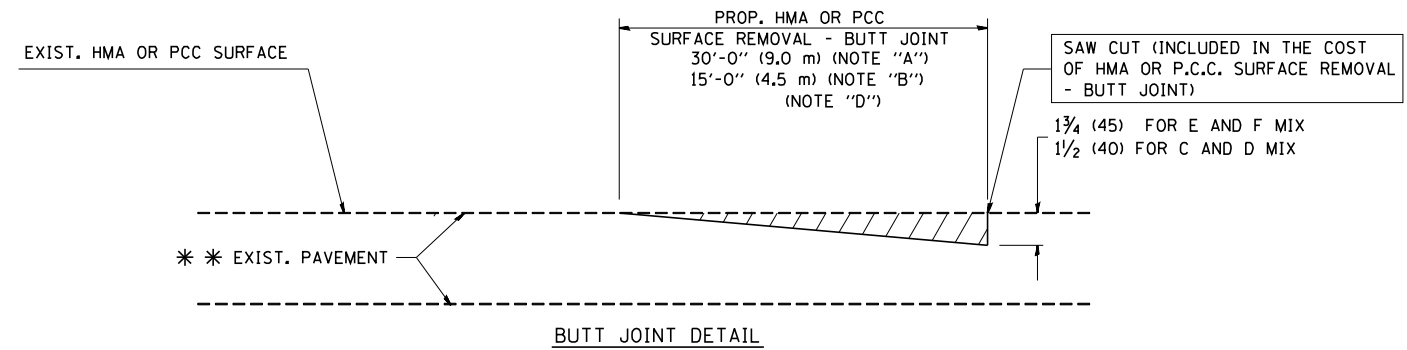


**OPTION 1**

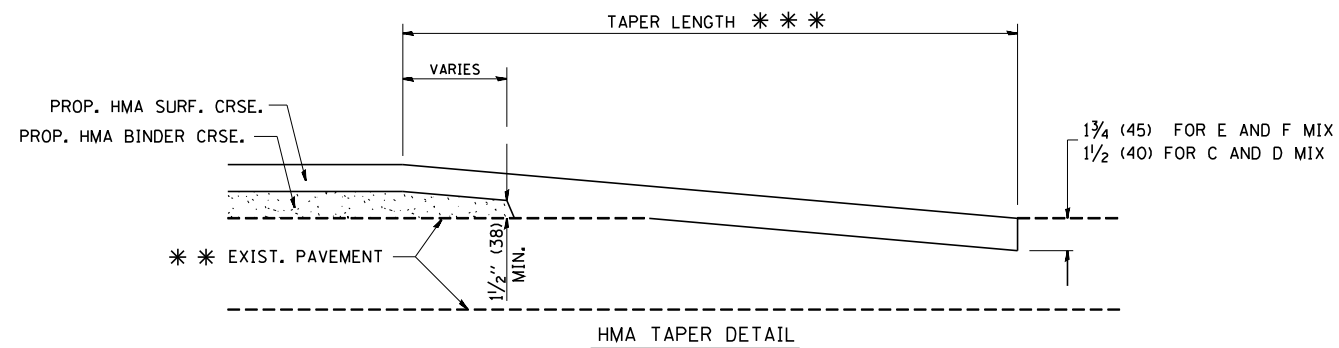


**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

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

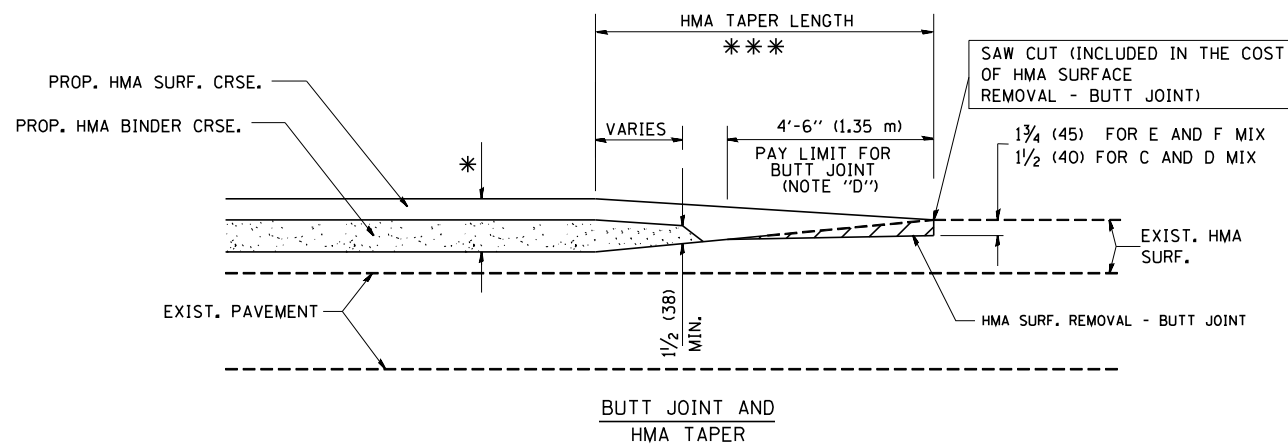
**NOTES**

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

**BASIS OF PAYMENT:**

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

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



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

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PLOT DATE = 1/4/2008

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

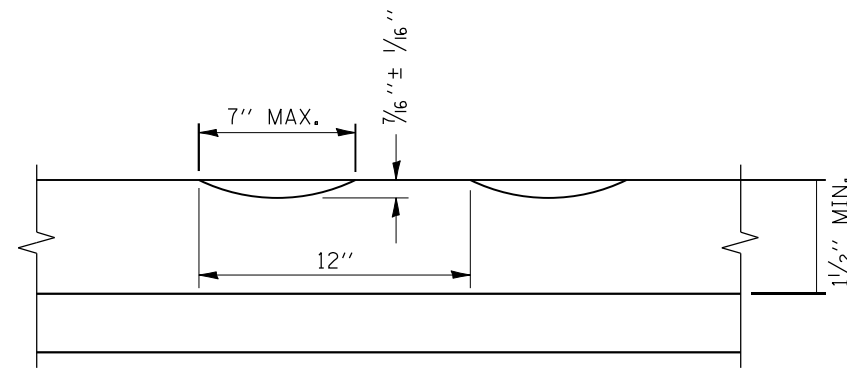
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REVISED - A. ABBAS 03-21-97  
REVISED - M. GOMEZ 04-06-01  
REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

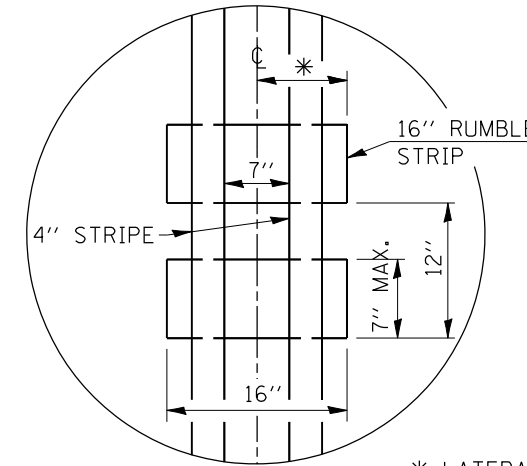
**BUTT JOINT AND  
HMA TAPER DETAILS**

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

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	237
<b>BD400-05 BD32</b>		CONTRACT NO.	62G35	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A



DETAIL B

GENERAL NOTES

CENTERLINE RUMBLE STRIPS SHALL BE CONSTRUCTED ACCORDING TO SECTION 642 ALONG THE CENTERLINE OF PAVEMENT.

SEE STANDARD 780001 FOR OTHER STRIPING LAYOUTS. RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES. ALL RUMBLE STRIPS SHALL BE MILLED.

CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.

DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES, INCLUDING ANY LANE TAPER SECTIONS.

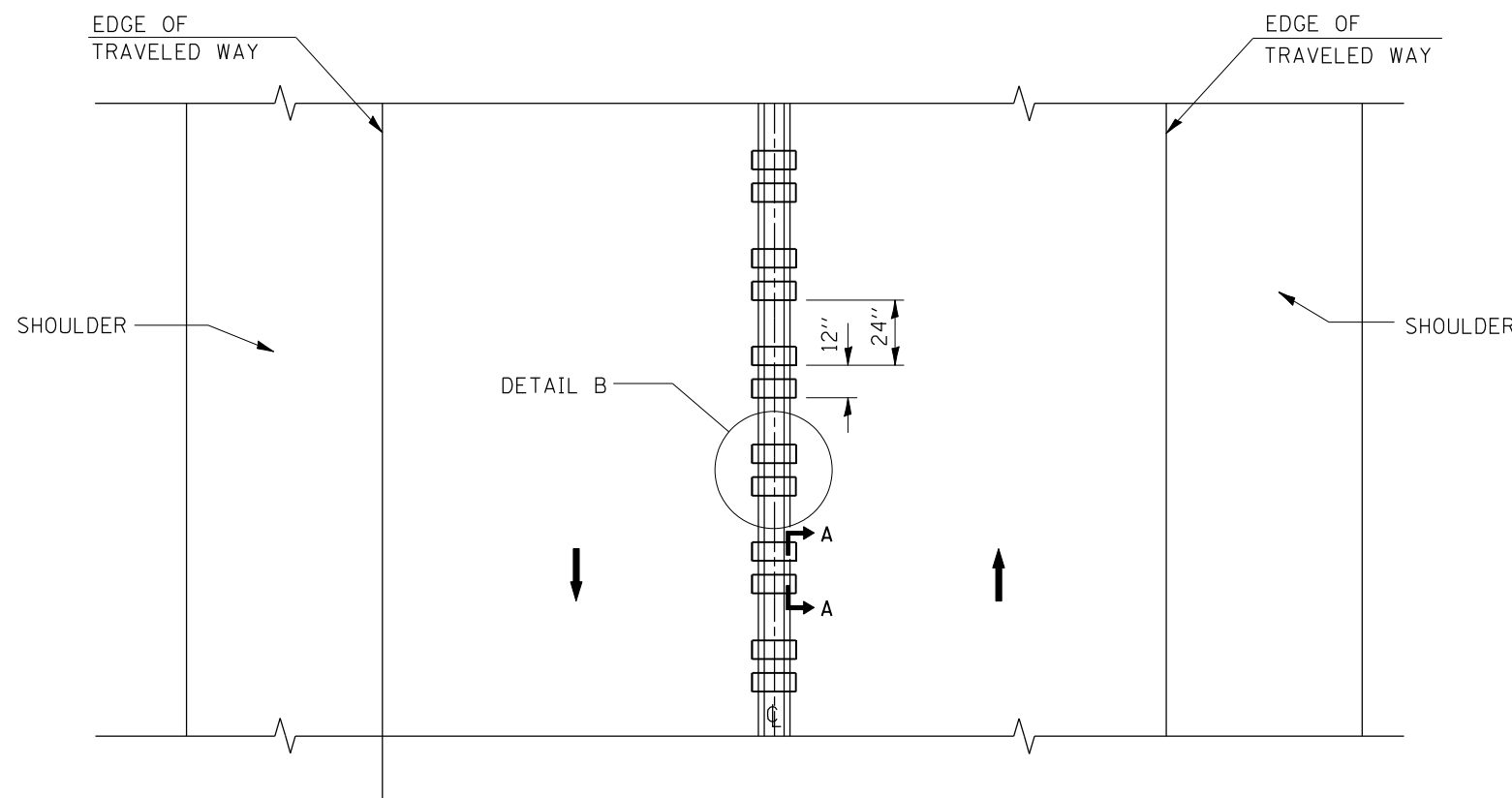
AFTER RUMBLE STRIPS ARE INSTALLED, THE PAVEMENT SURFACE SHALL BE SWEEPED CLEAN PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT MARKINGS.

WHERE USED, ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN WIDER GAP BETWEEN RUMBLE STRIPS.

BASIS OF PAYMENT

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR CENTERLINE-RUMBLE STRIP OF THE WIDTH SPECIFIED.

HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.



TWO-WAY ROAD

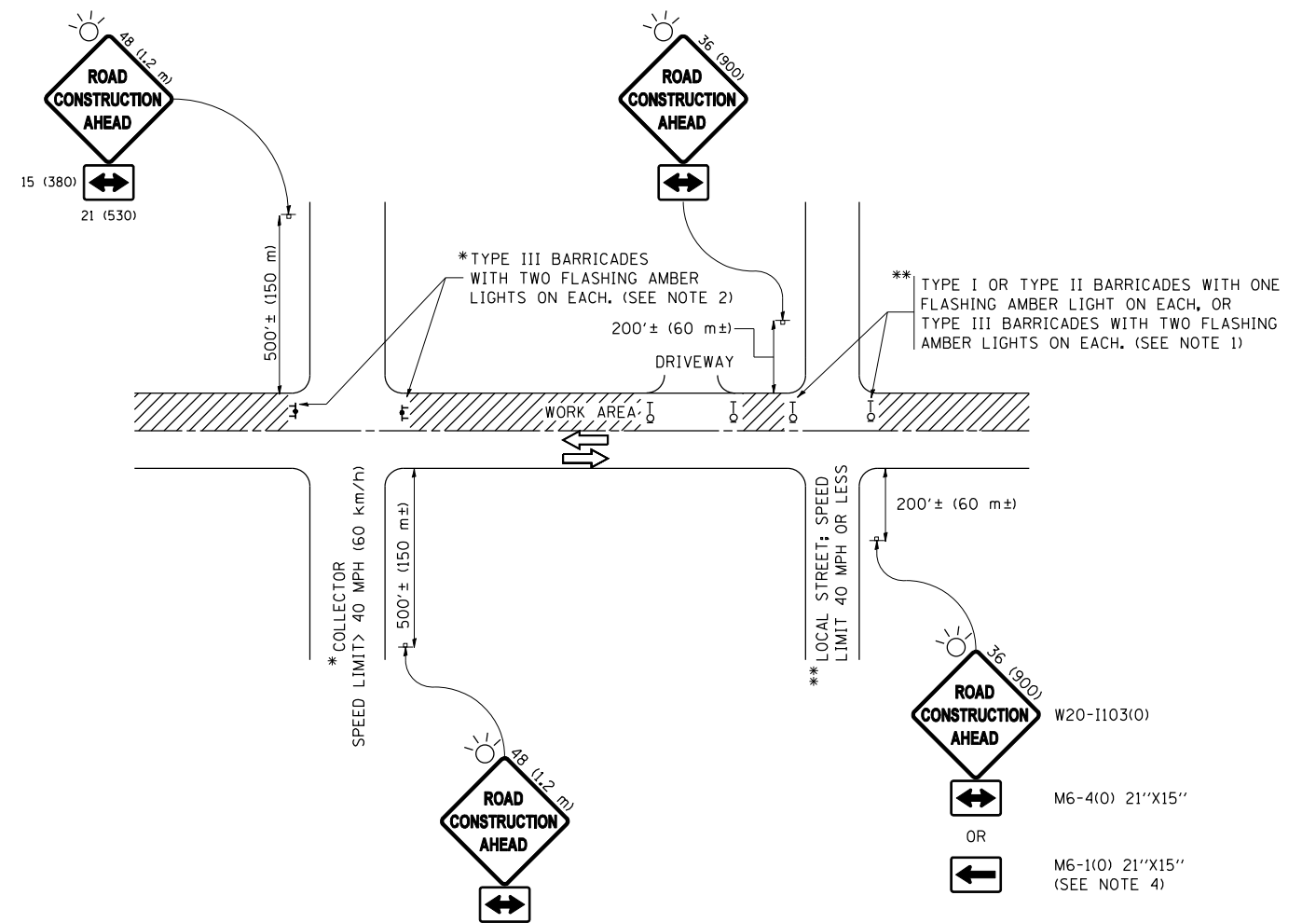
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PLOT DATE = 8/28/2014	DATE - 08-06-2012	REVISED -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	238
BD 55		CONTRACT NO. 62G35		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

- 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:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - 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.
  - 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.
- 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 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).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

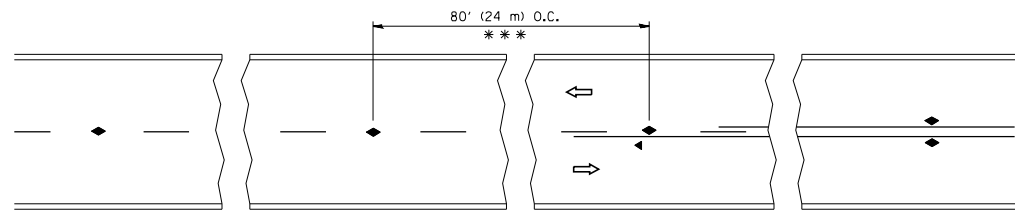
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	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

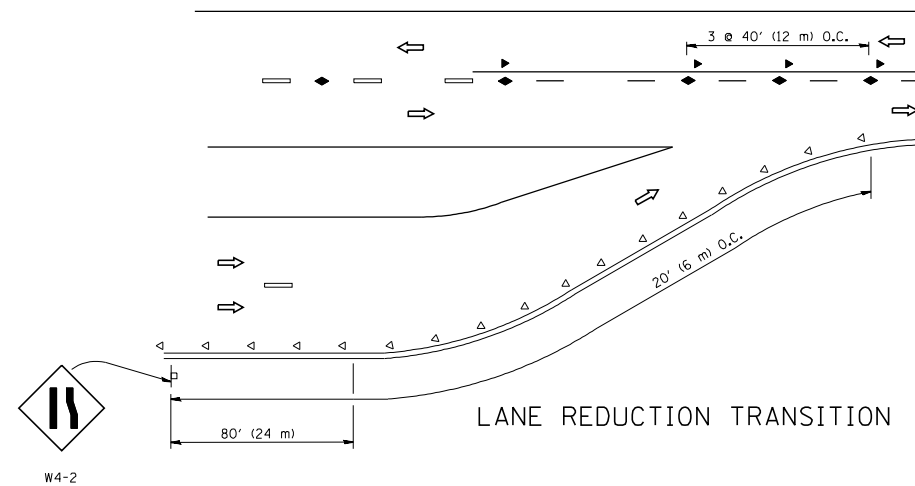
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-10</b>		<b>CONTRACT NO.</b>	<b>62G35</b>	
ILLINOIS FED. AID PROJECT				

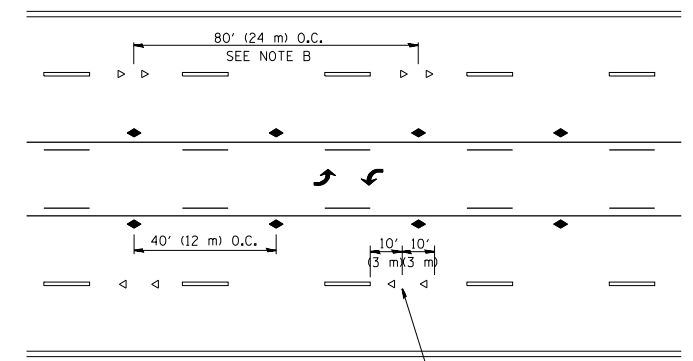


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

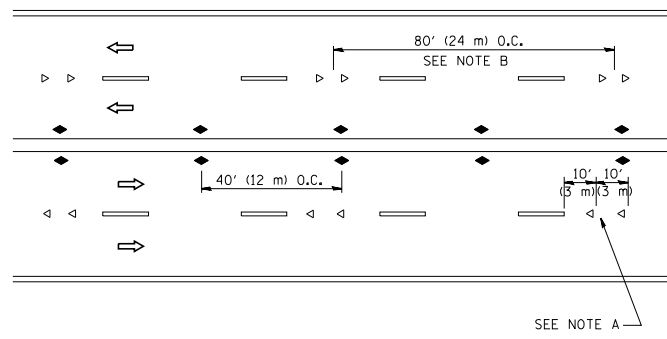
TWO-LANE/TWO-WAY



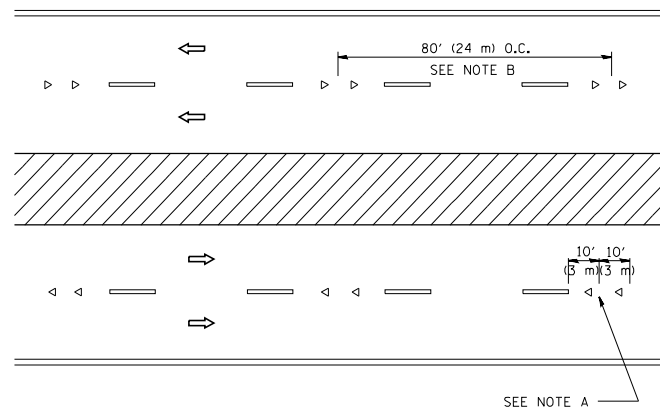
LANE REDUCTION TRANSITION



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.

SYMBOLS

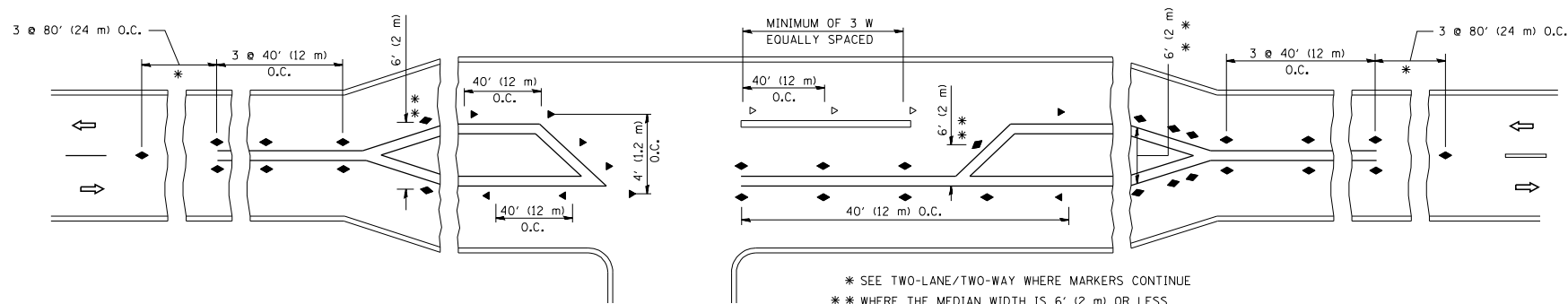
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

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 SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



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

LEFT TURN

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

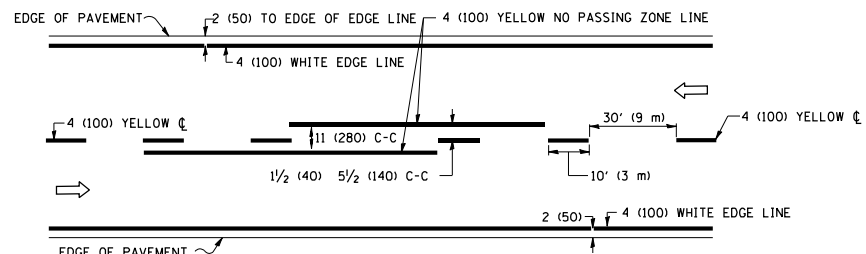
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

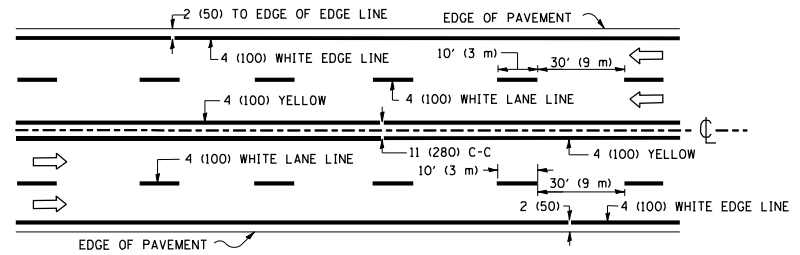
TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	240
TC-11		CONTRACT NO. 62G35		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

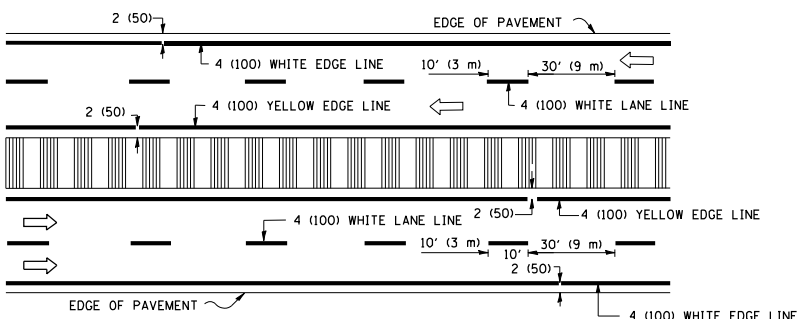




**2-LANE ROADWAY**

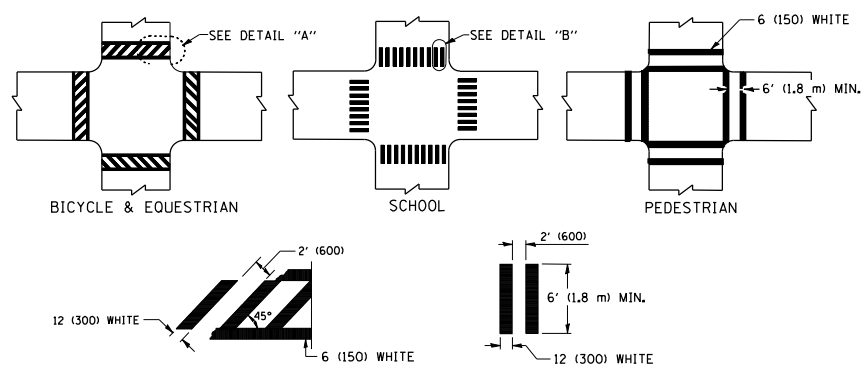


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

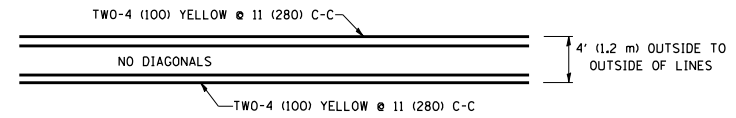
**TYPICAL LANE AND EDGE LINE MARKING**



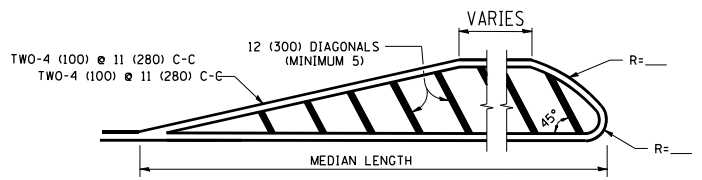
**DETAIL "A"      DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

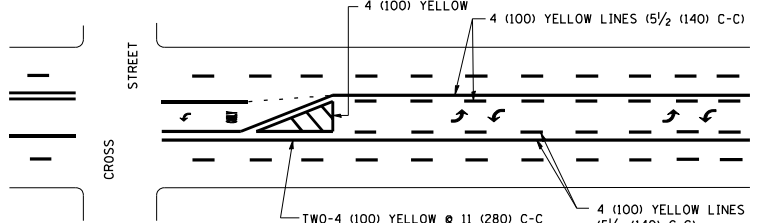


**4' (1.2 m) WIDE MEDIANS ONLY**

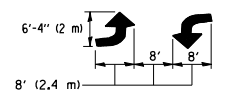


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

**MEDIANS OVER 4' (1.2 m) WIDE**

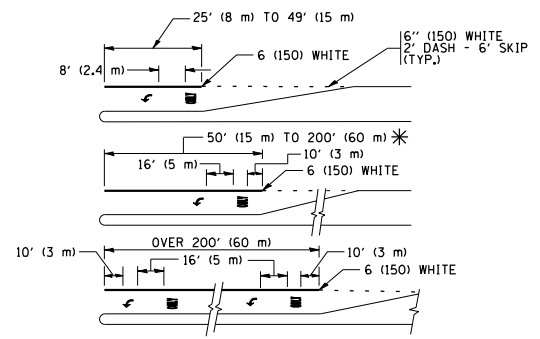


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

**TYPICAL PAINTED MEDIAN MARKING**

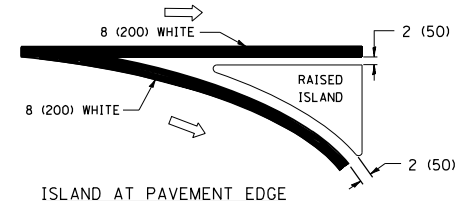
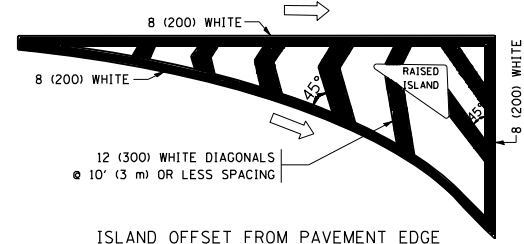


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

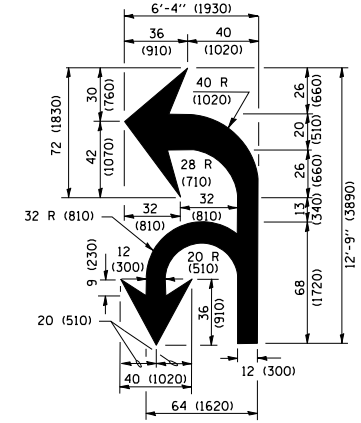
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

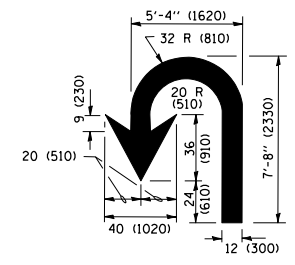
**TYPICAL TURN LANE MARKING**



**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**LANE REDUCTION TRANSITION**

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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 MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; 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.
GORE 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 (REQUIRED FOR SHOULDERS ≥ 8')	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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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.

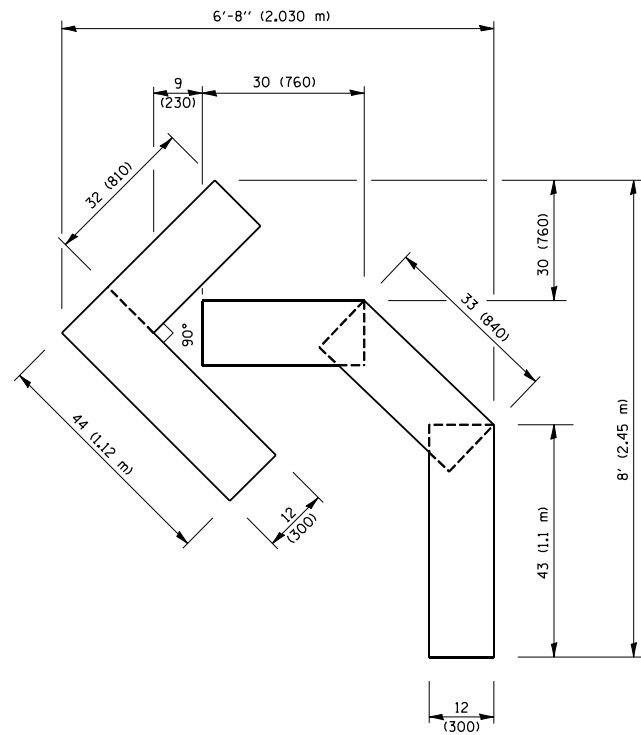
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	PLOT DATE = 6/23/2017	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

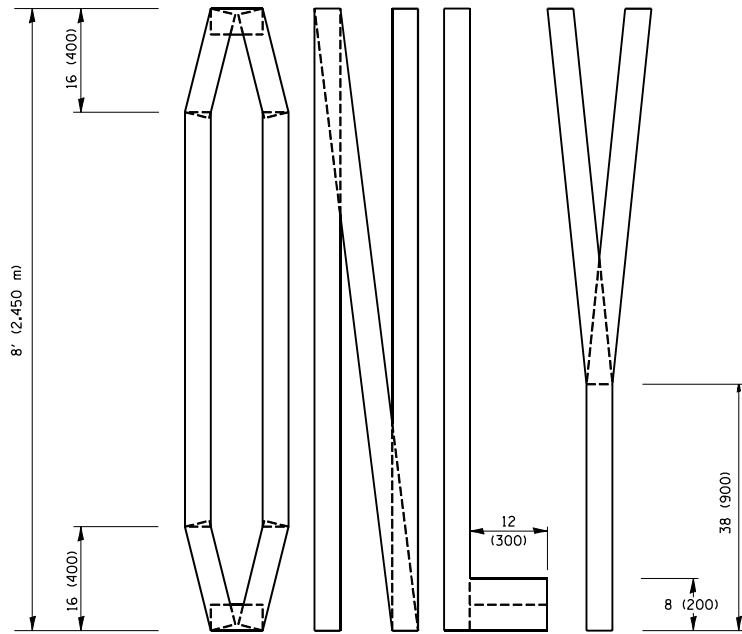
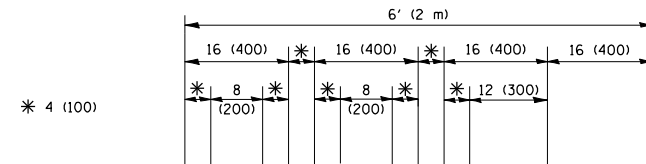
**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE      SHEET 1 OF 1 SHEETS      STA.      TO STA.

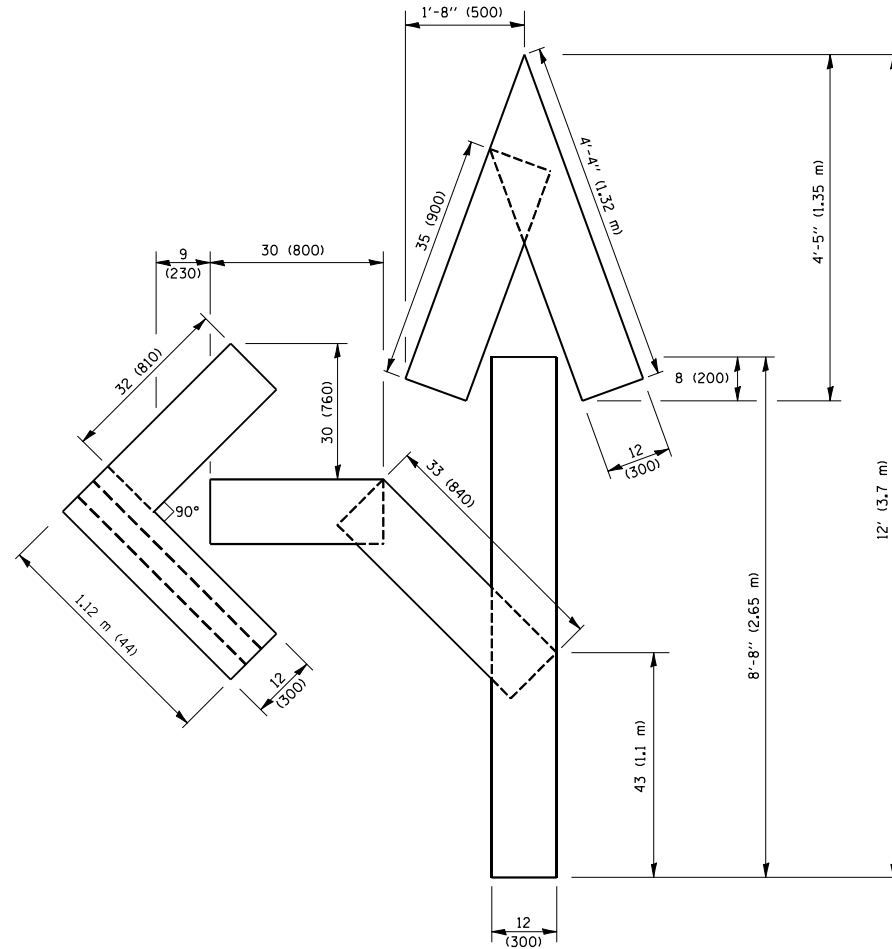
F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	241
<b>TC-13</b>		CONTRACT NO.	62G35	
ILLINOIS FED. AID PROJECT				



**QUANTITY**  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.41 sq. m)



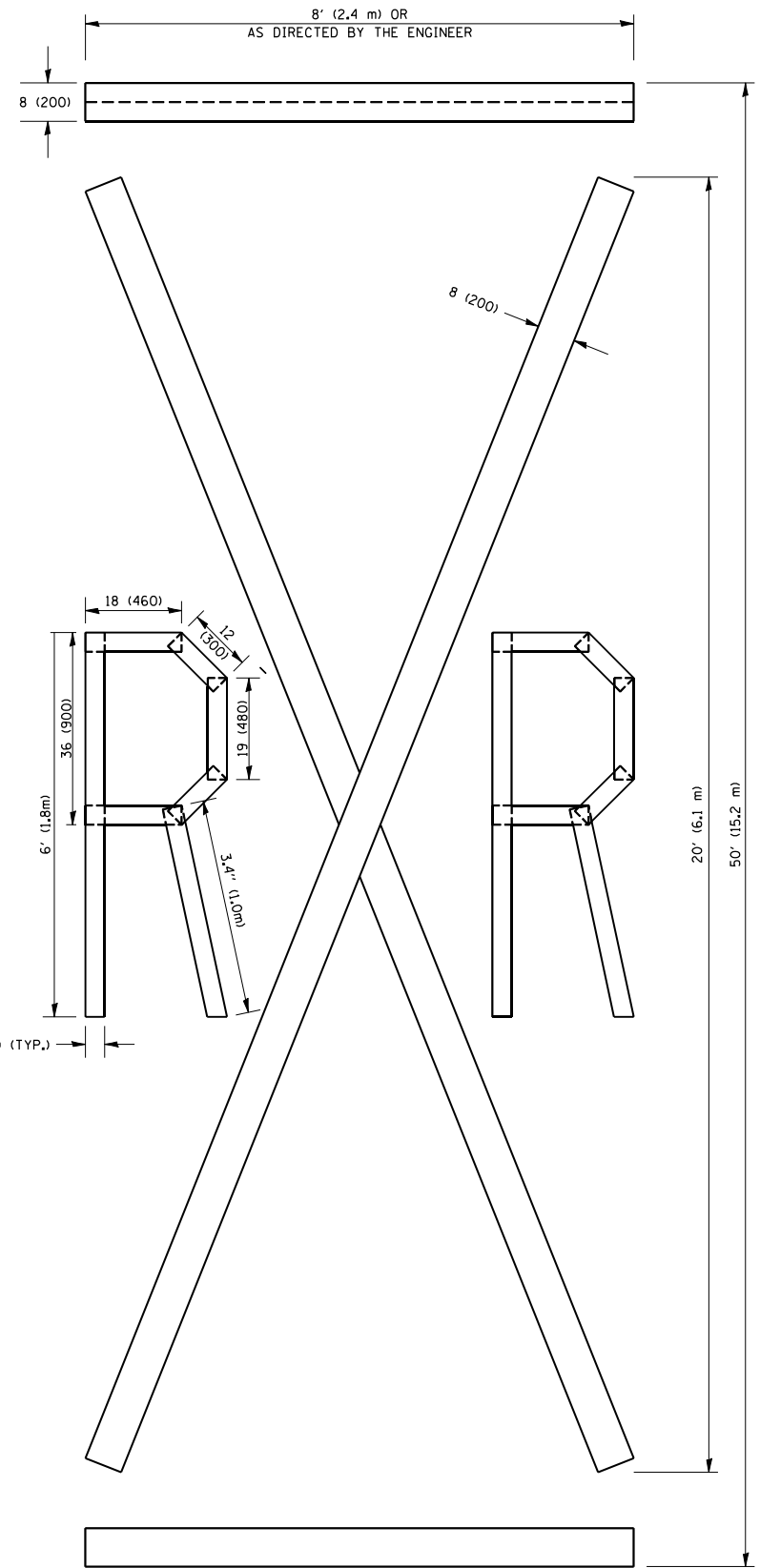
**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**QUANTITY**  
 4 (100) LINE = 82.5 ft. (25.1 m)  
 27.5 sq. ft. (2.53 sq. m)

**NOTE:**

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



**QUANTITY**  
 4 (100) LINE = 225.9 ft. (68.9 m)  
 75.3 sq. ft. (6.99 sq. m)

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

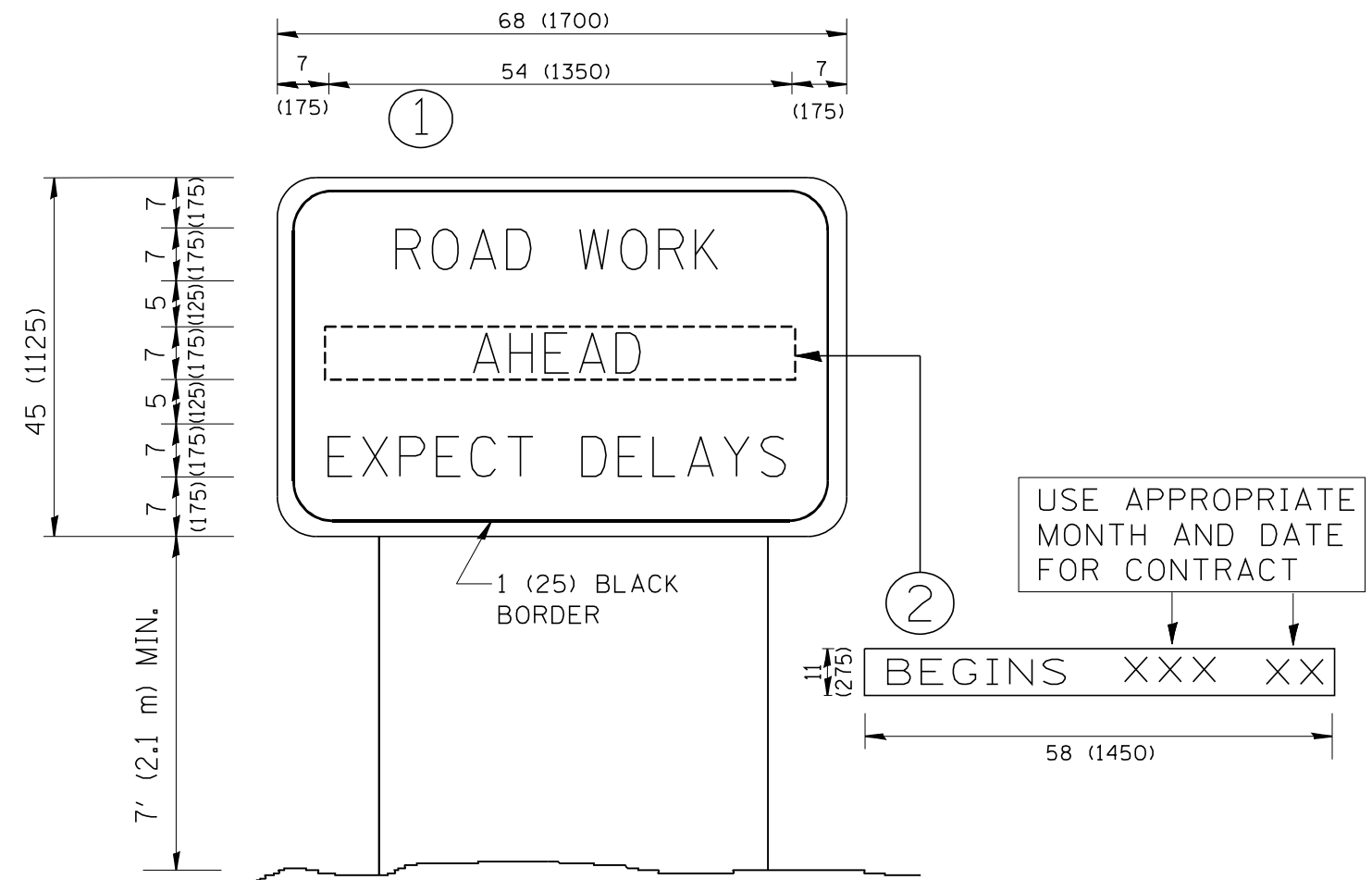
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		DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00
			REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	242
<b>TC-16</b>		<b>CONTRACT NO.</b>	<b>62G35</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

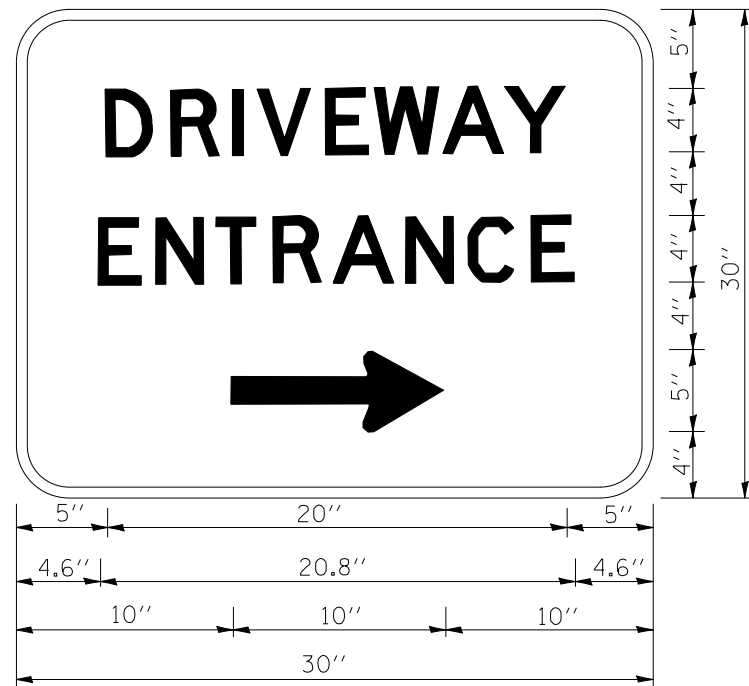
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PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	REVISED - R. MIRS 09-15-97
PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07	REVISED - R. MIRS 12-11-97

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	243
<b>TC-22</b>		<b>CONTRACT NO. 62G35</b>		
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				



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

**NOTES:**

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

FILE NAME =	USER NAME = gegl1enobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07
ct:\pw\work\p1dot\gagl1enobt\d0108315\to26.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2012	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	244
<b>TC-26</b>			<b>CONTRACT NO. 62G35</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

MODEL: IL 176-1003+00 TO 1004+00  
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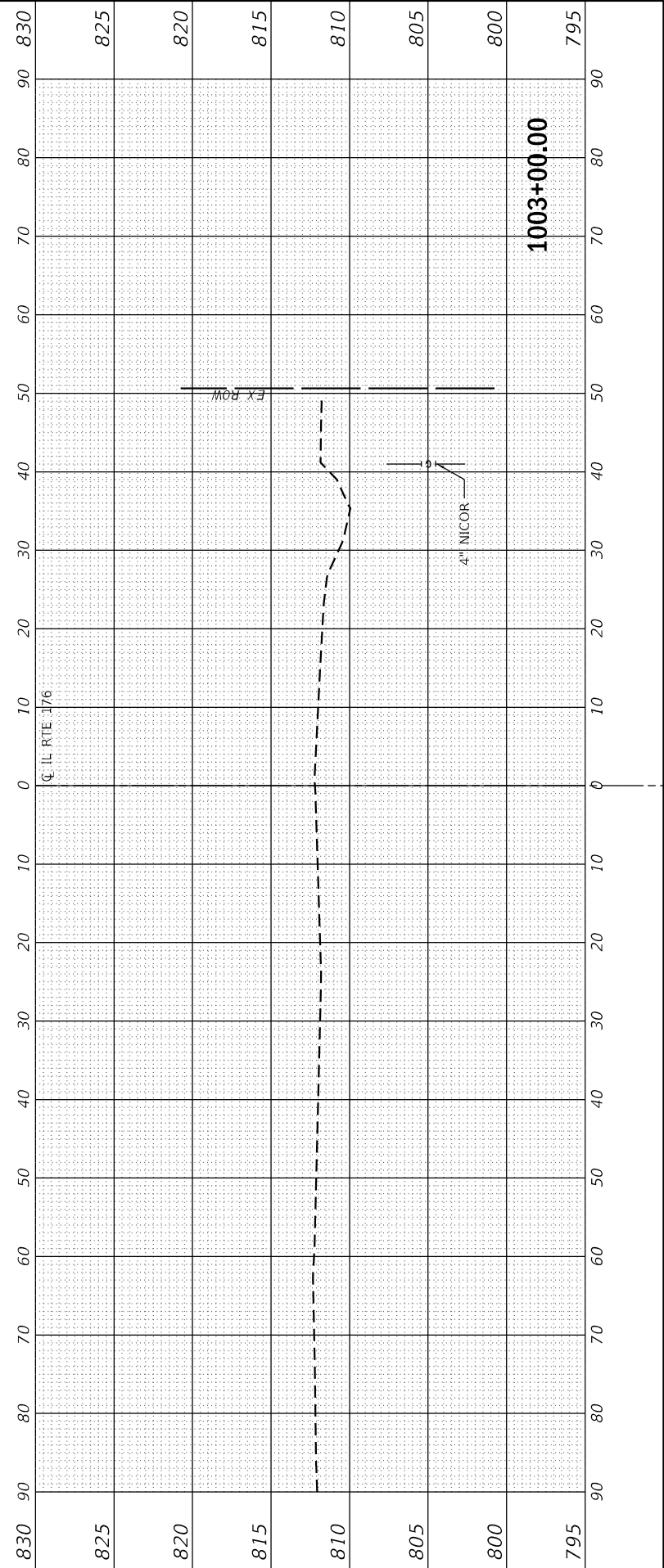
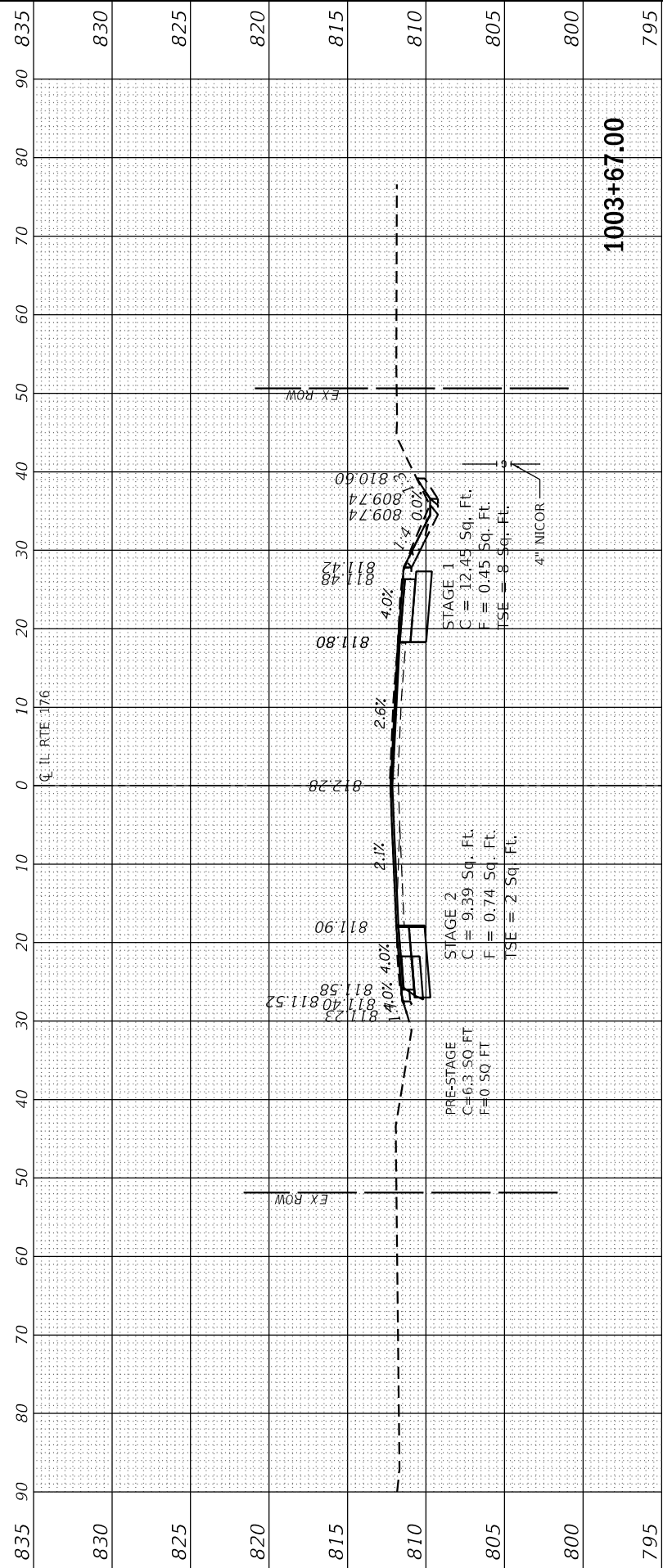
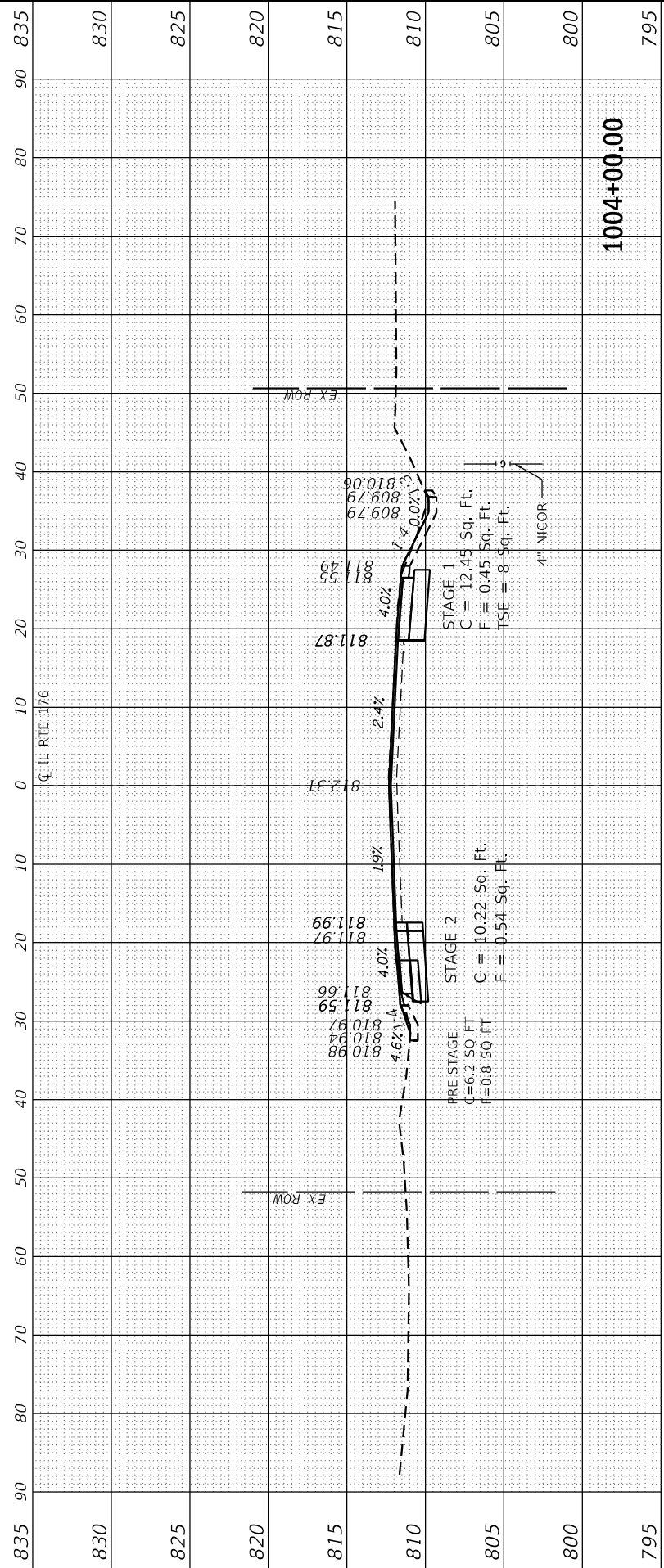
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	DRAWN - AB	REVISED -
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PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 1  
IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1003+00.00 TO STA. 1004+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 245
ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 62G35		



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

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

MODEL: IL 176-1004+00 TO 1007+00  
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CHECKED	- TGM
DATE	- 06-17-2021

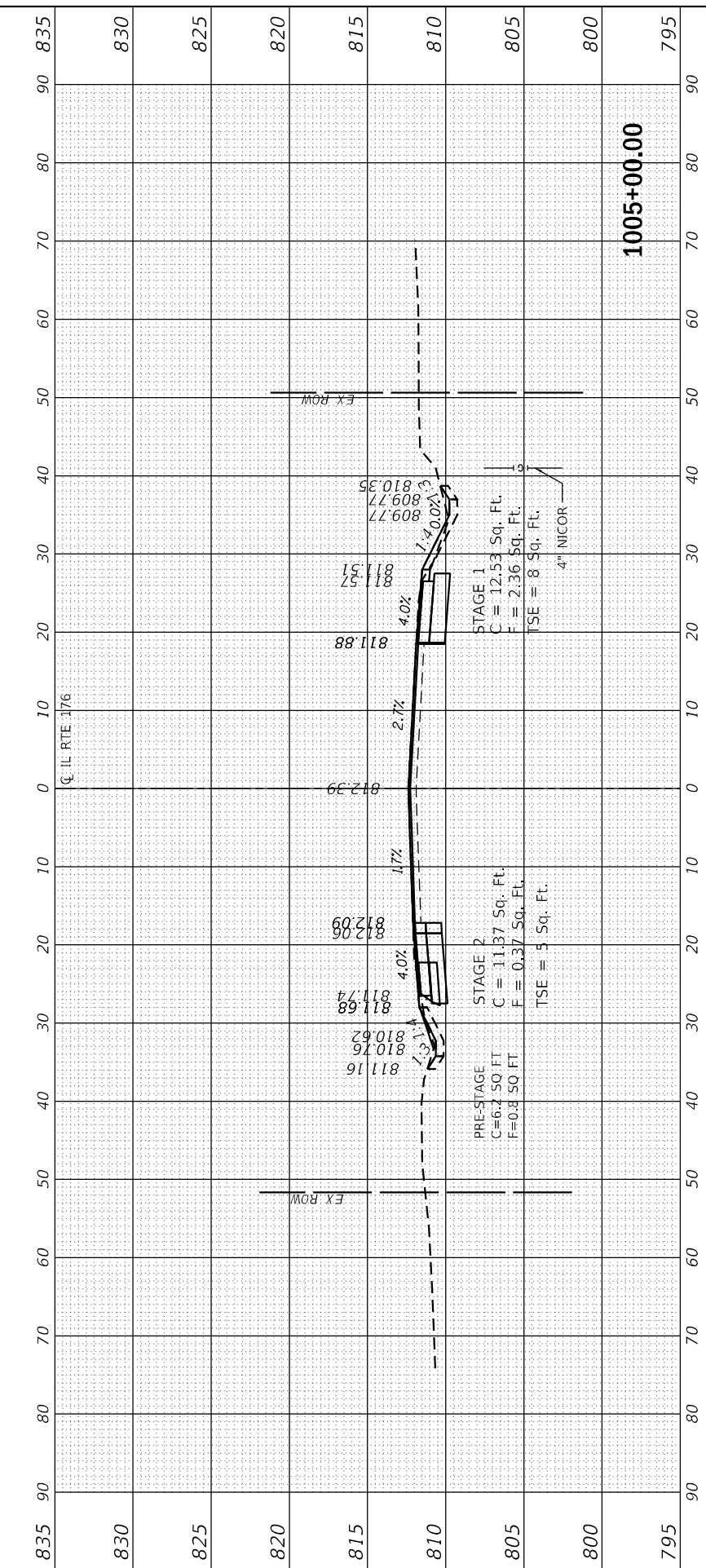
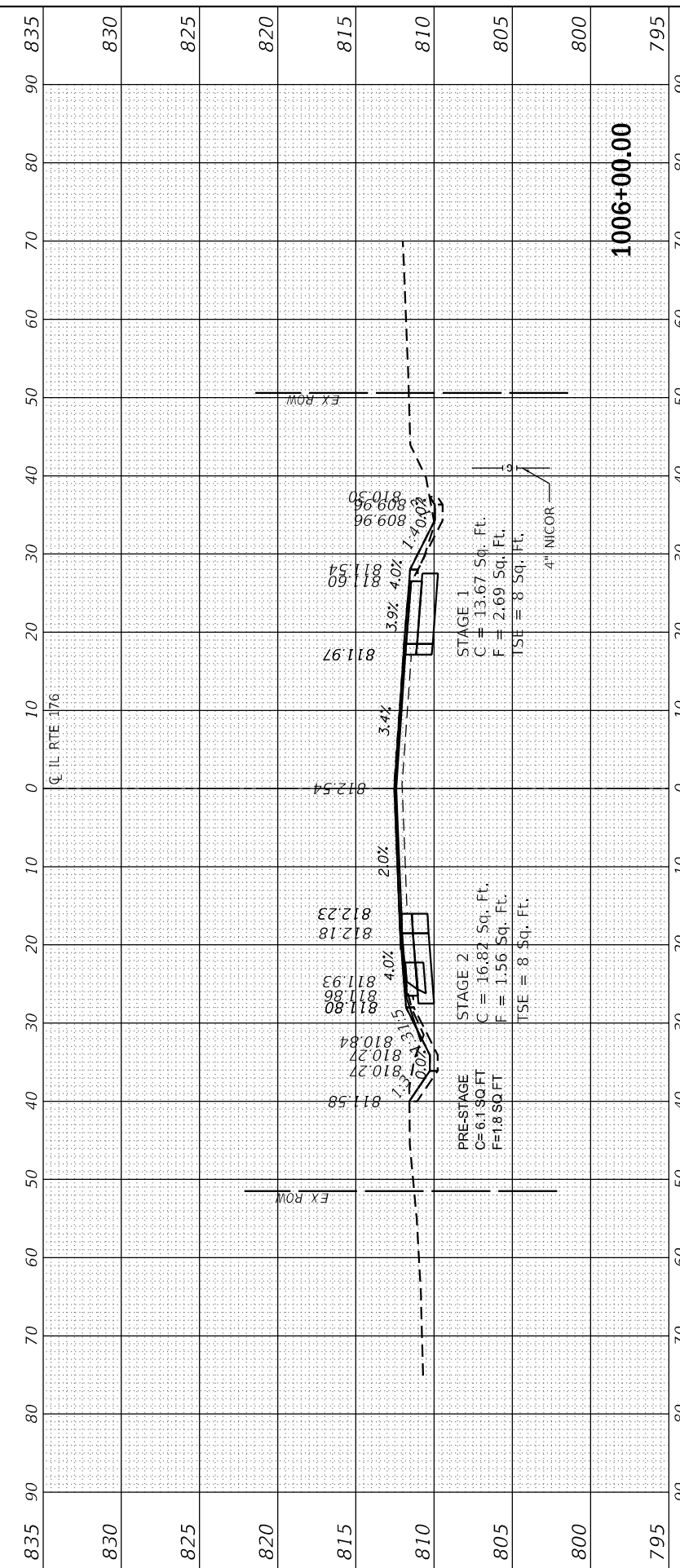
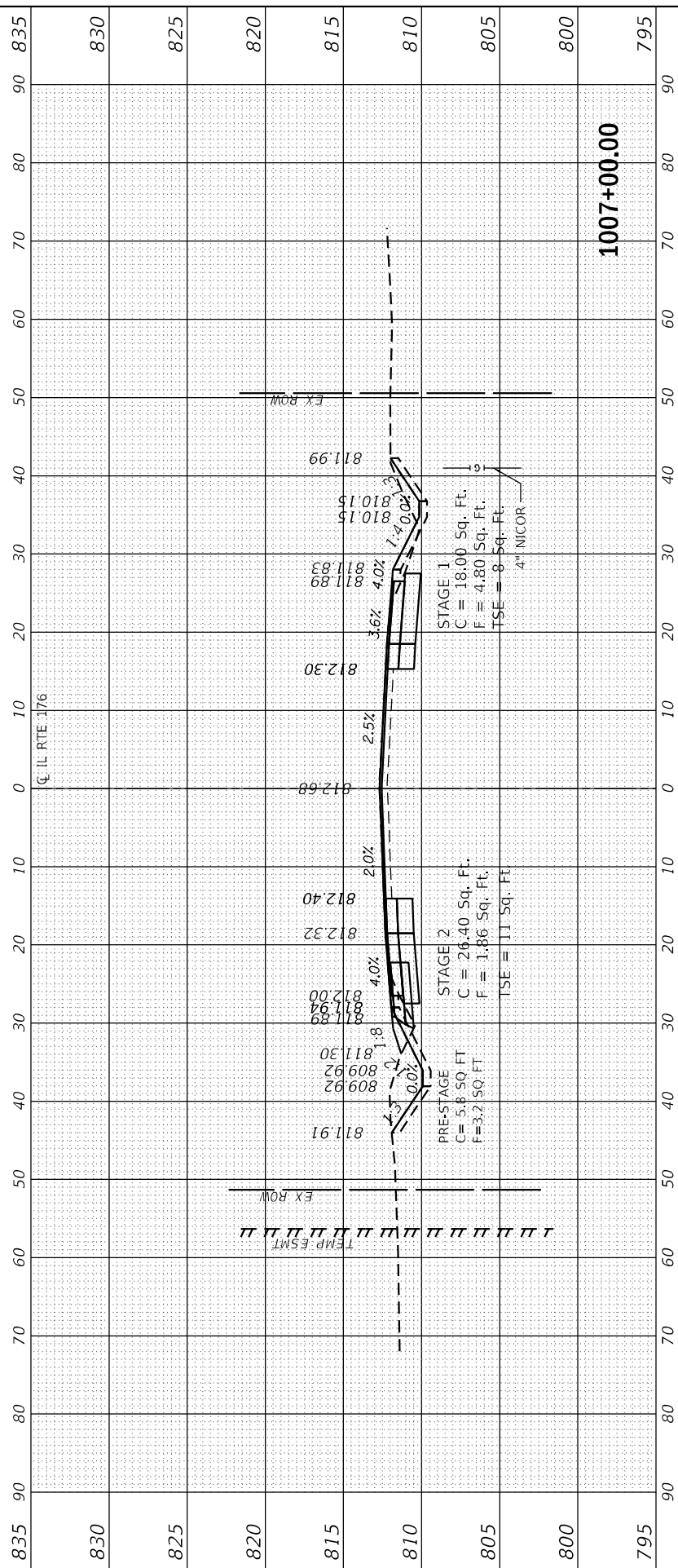
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 2  
IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1005+00.00 TO STA. 1007+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	246
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



**1007+00.00**

**1006+00.00**

**1005+00.00**

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

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

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CHECKED	- TGM
DATE	- 06-17-2021

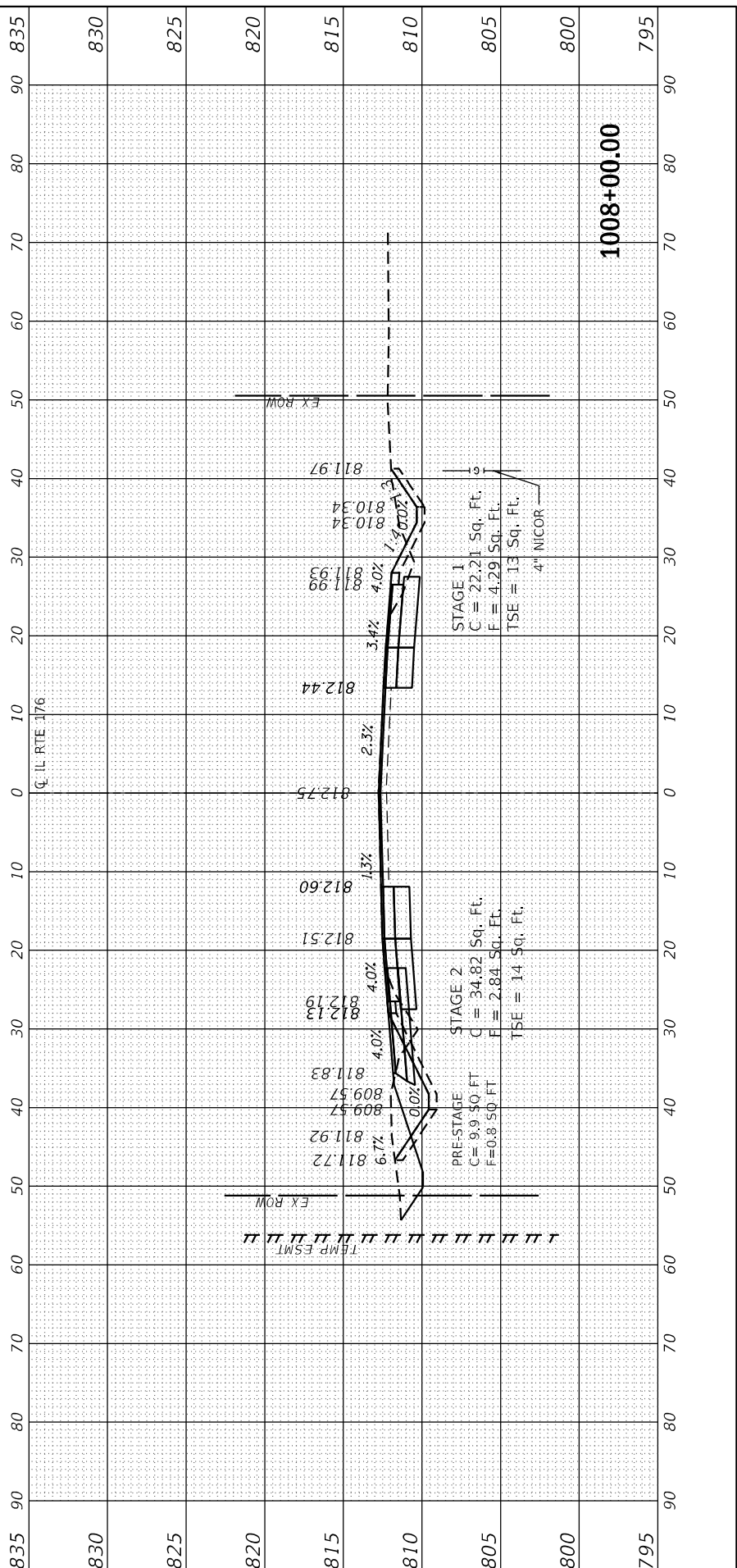
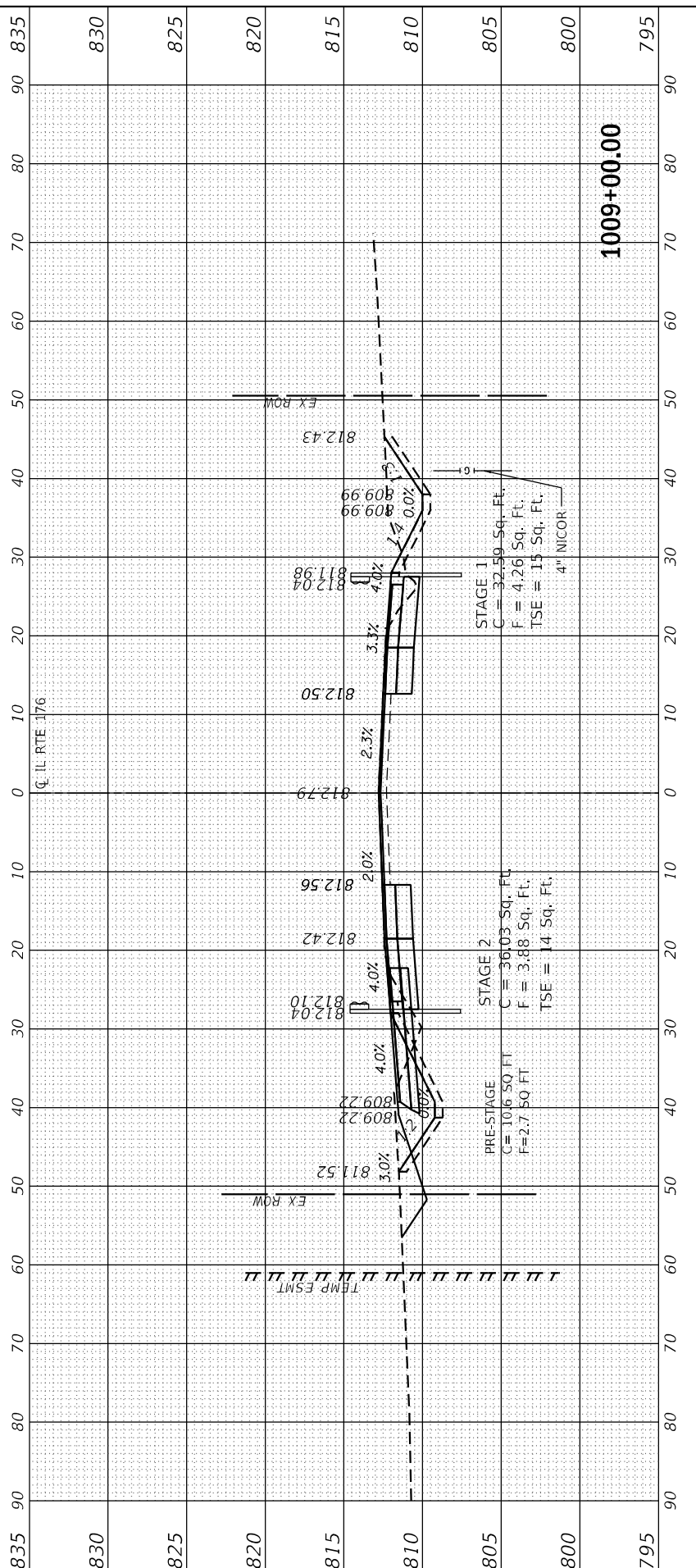
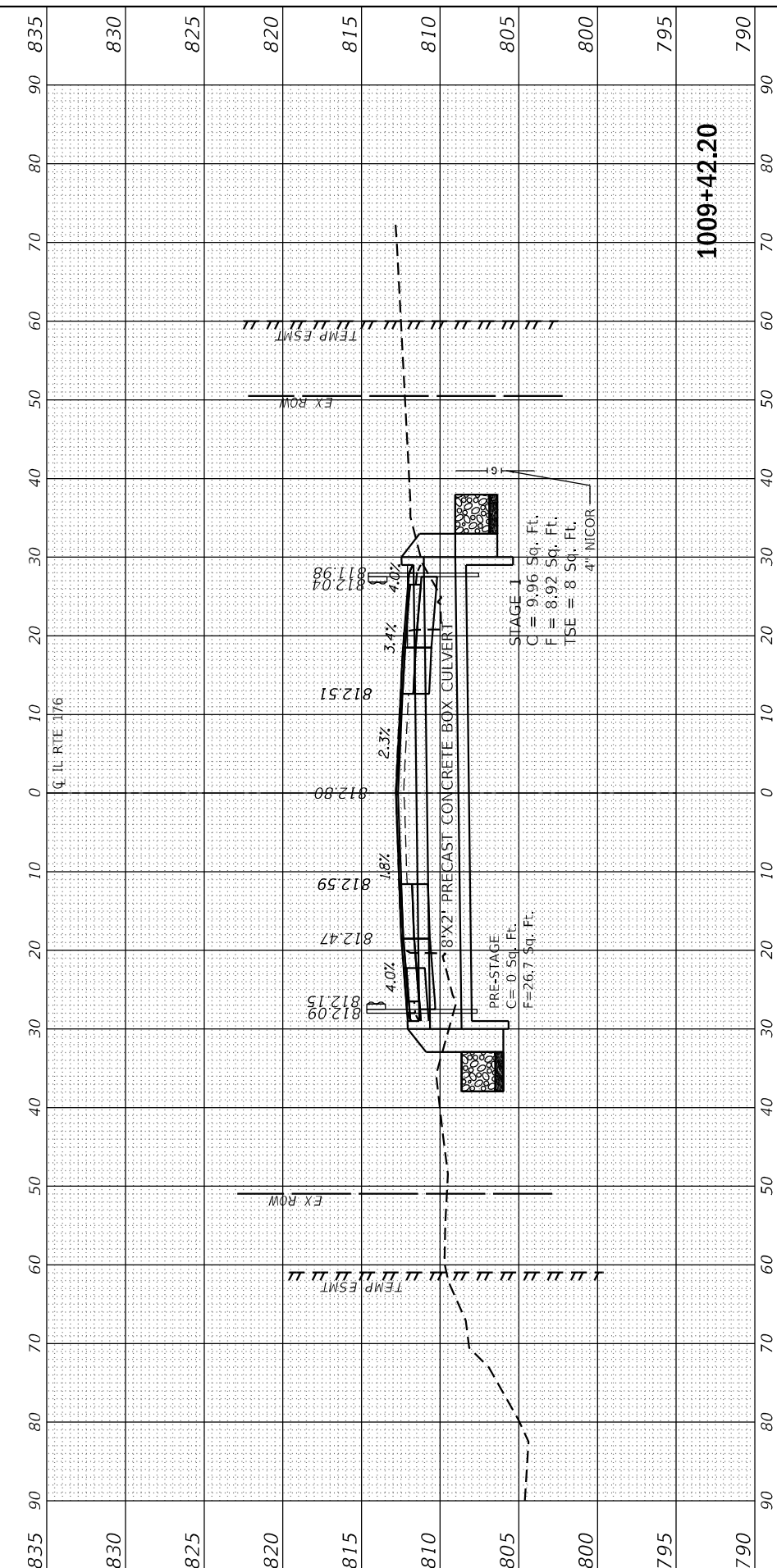
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 3  
IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1008+00.00 TO STA. 1009+42.20

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	247
		CONTRACT NO. 62G35		
ILLINOIS		FED. AID PROJECT		



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

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

MODEL: IL 176-1010-00 TO 1012-00  
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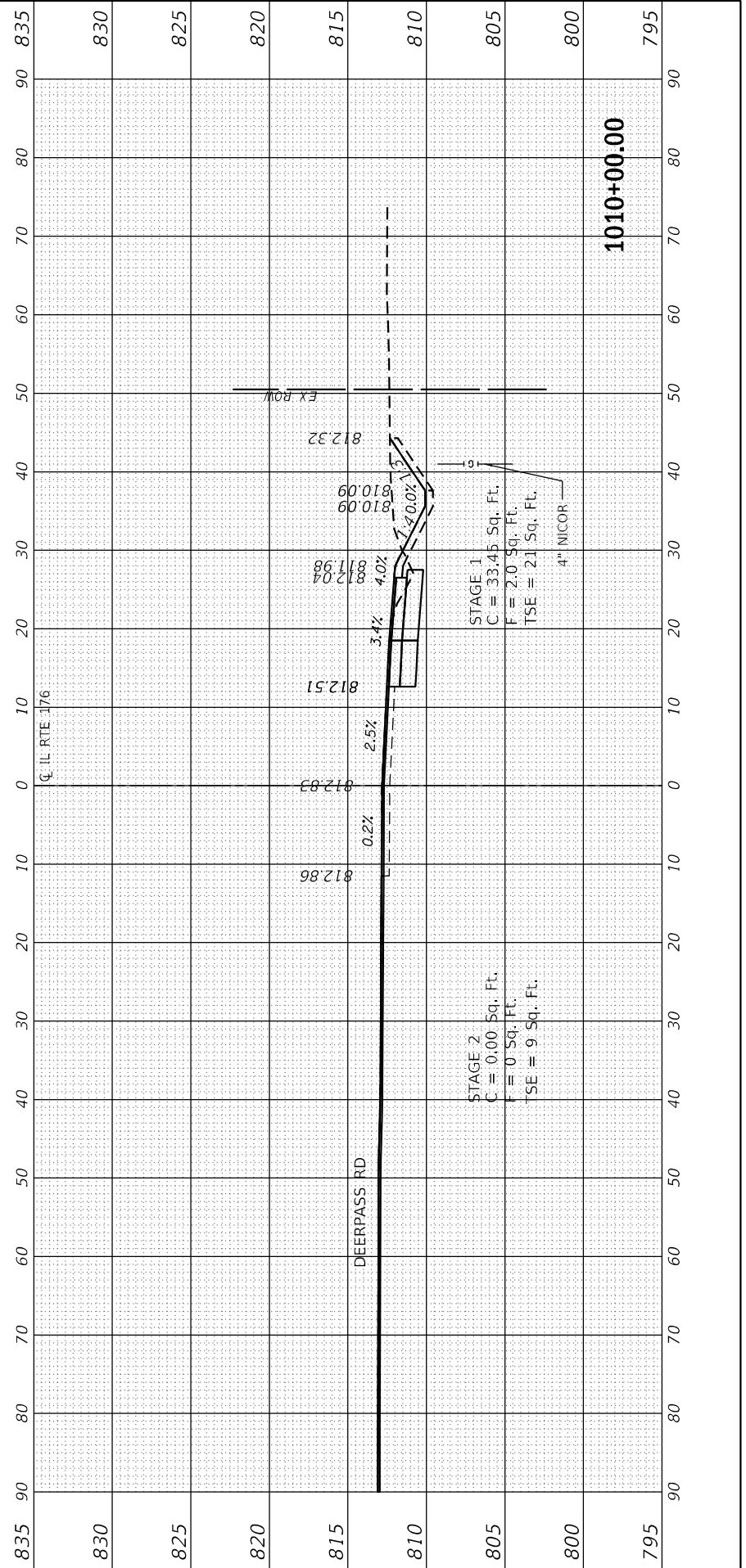
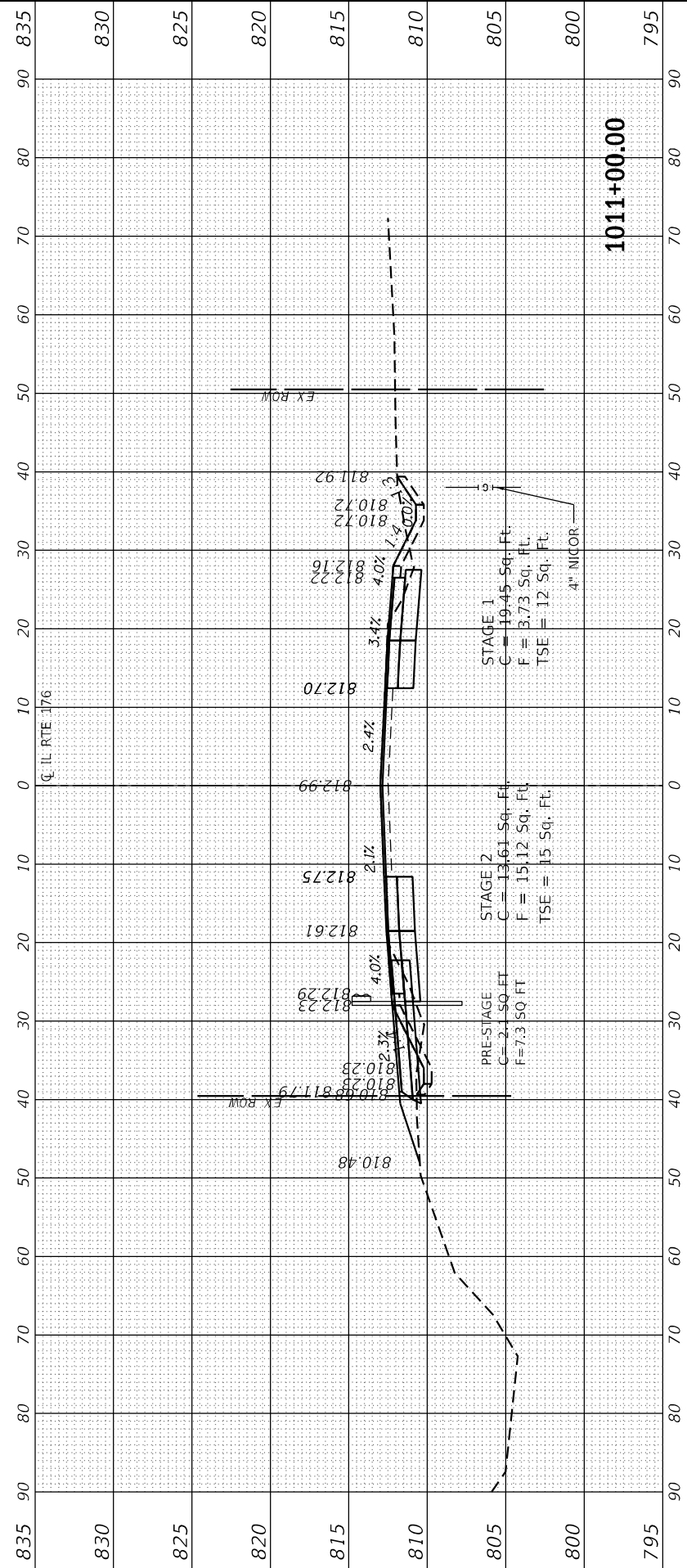
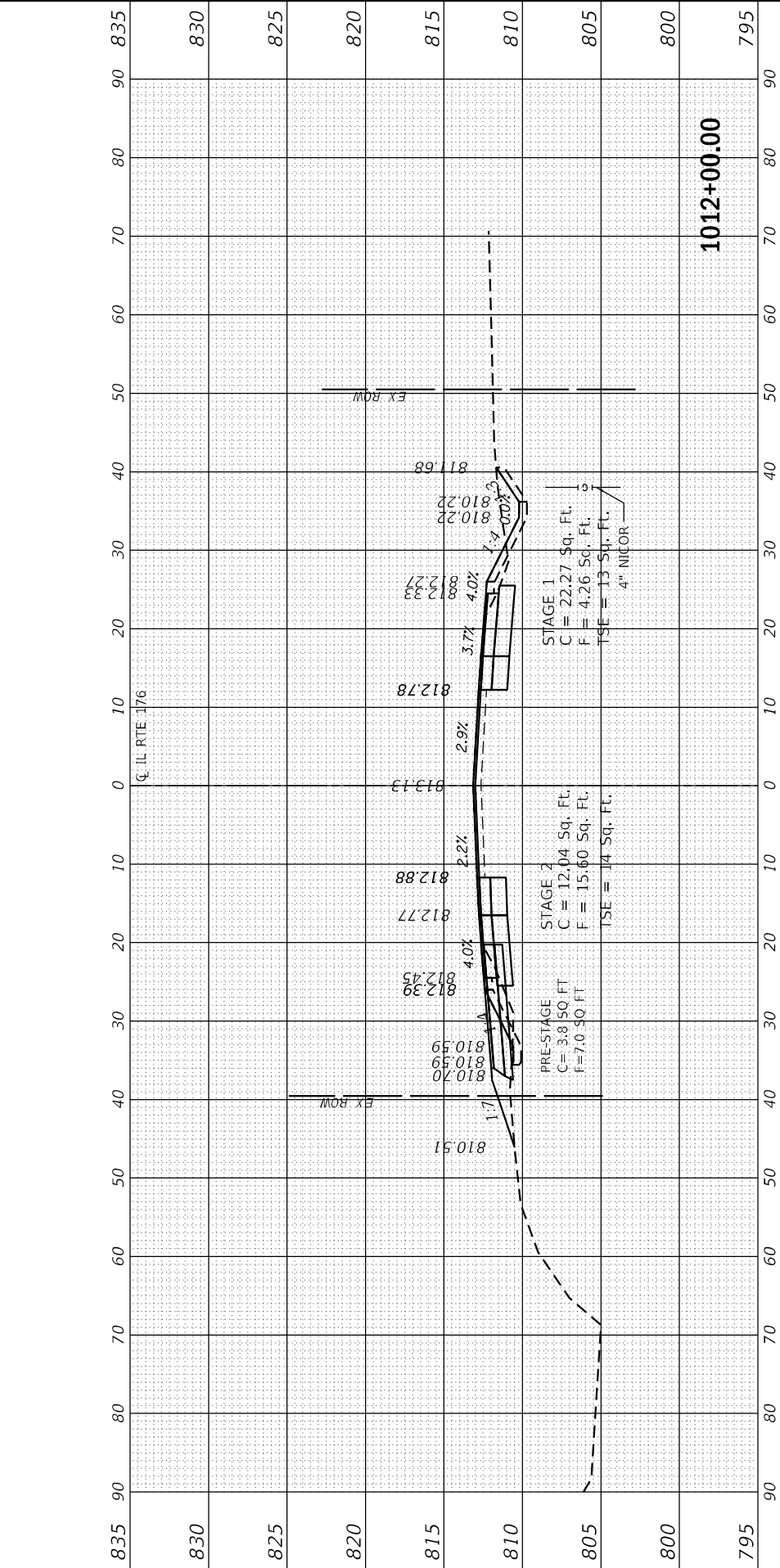
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PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 4  
IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1010+00.00 TO STA. 1012+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 248
ILLINOIS		FED. AID PROJECT		





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

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

MODEL: IL 176-1013+00 TO 1014+50  
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DRAWN	- AB
CHECKED	- TGM
DATE	- 06-17-2021

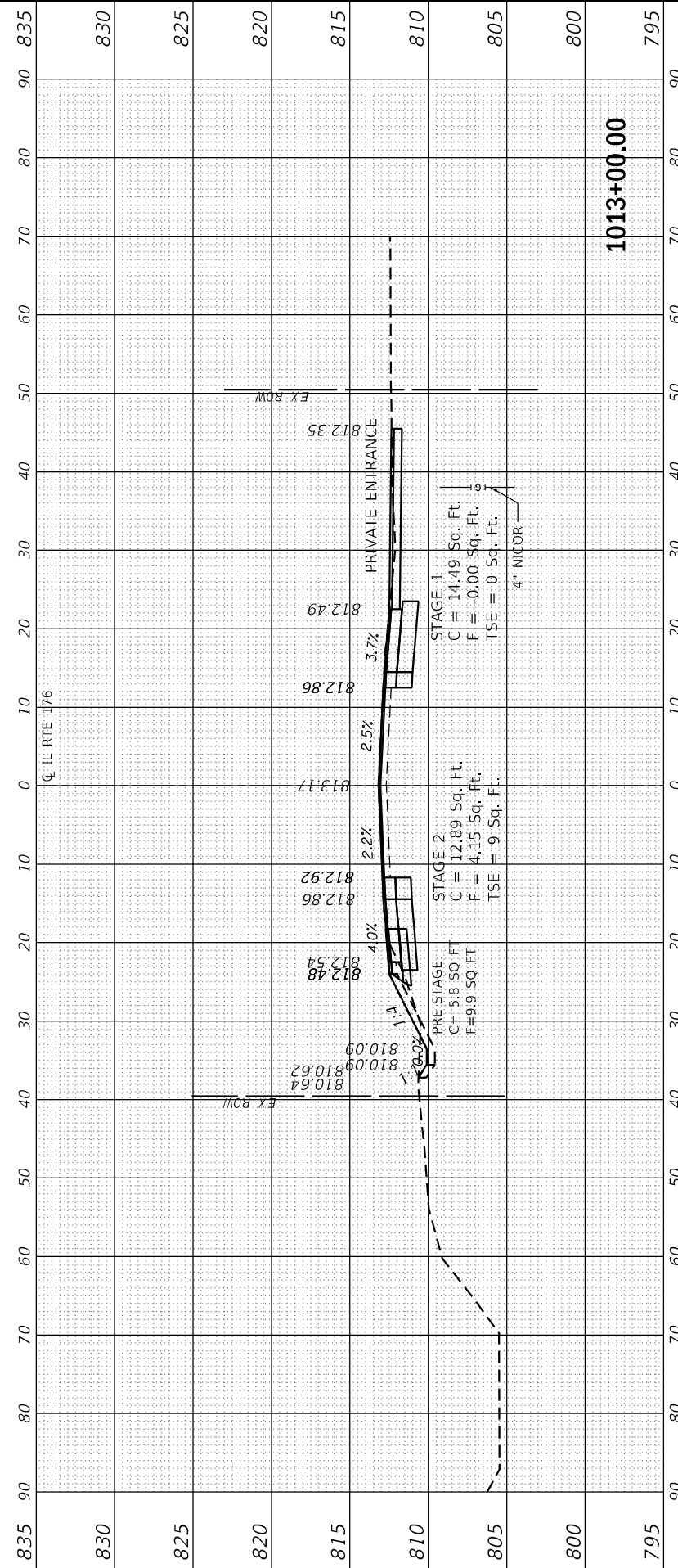
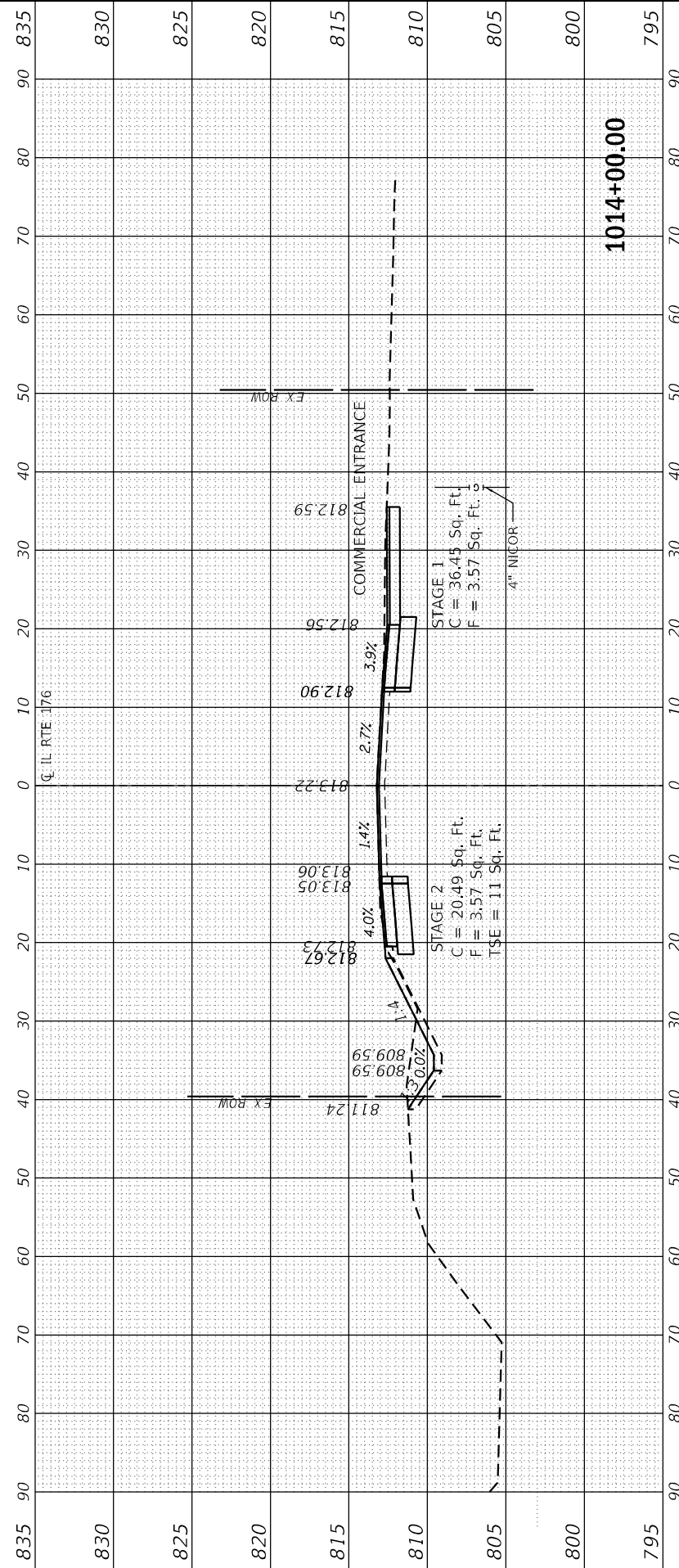
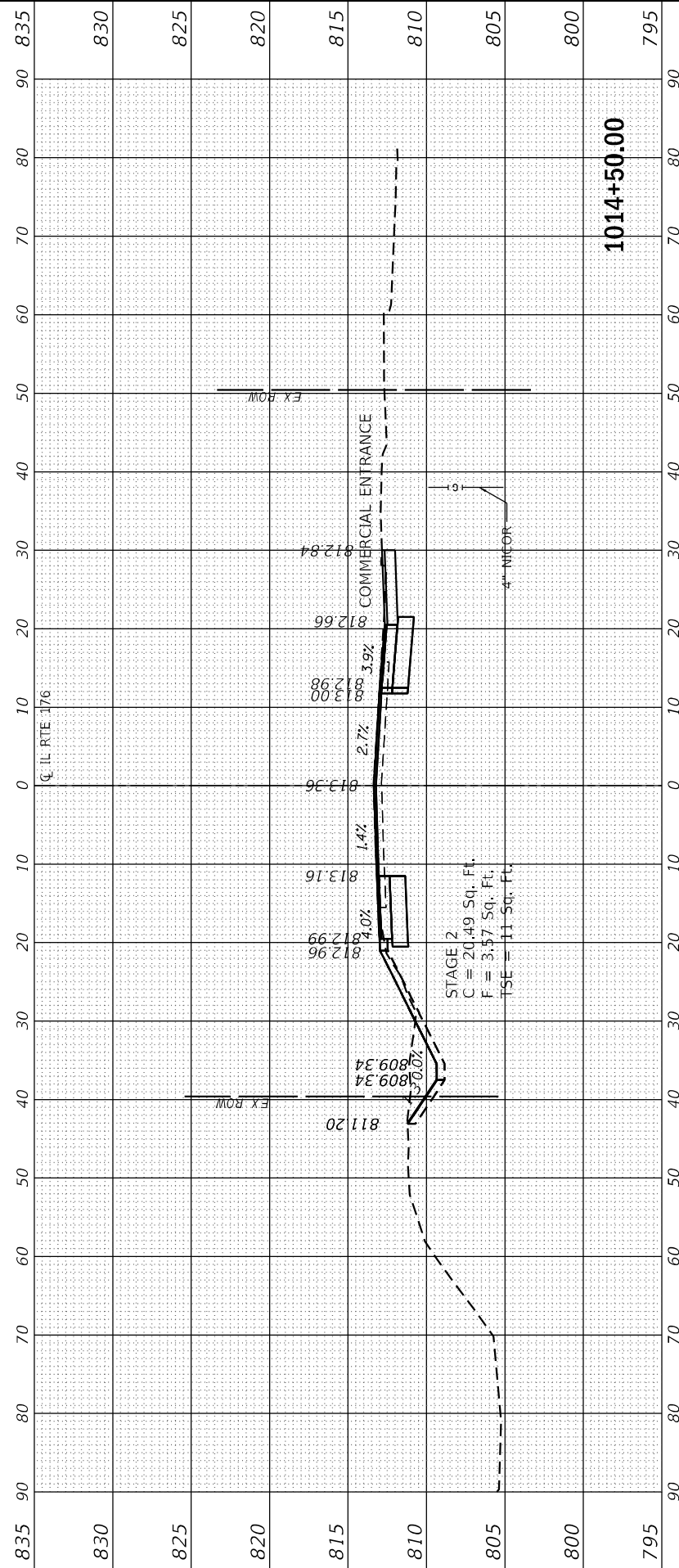
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REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 5  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1013+00.00 TO STA. 1014+50.00

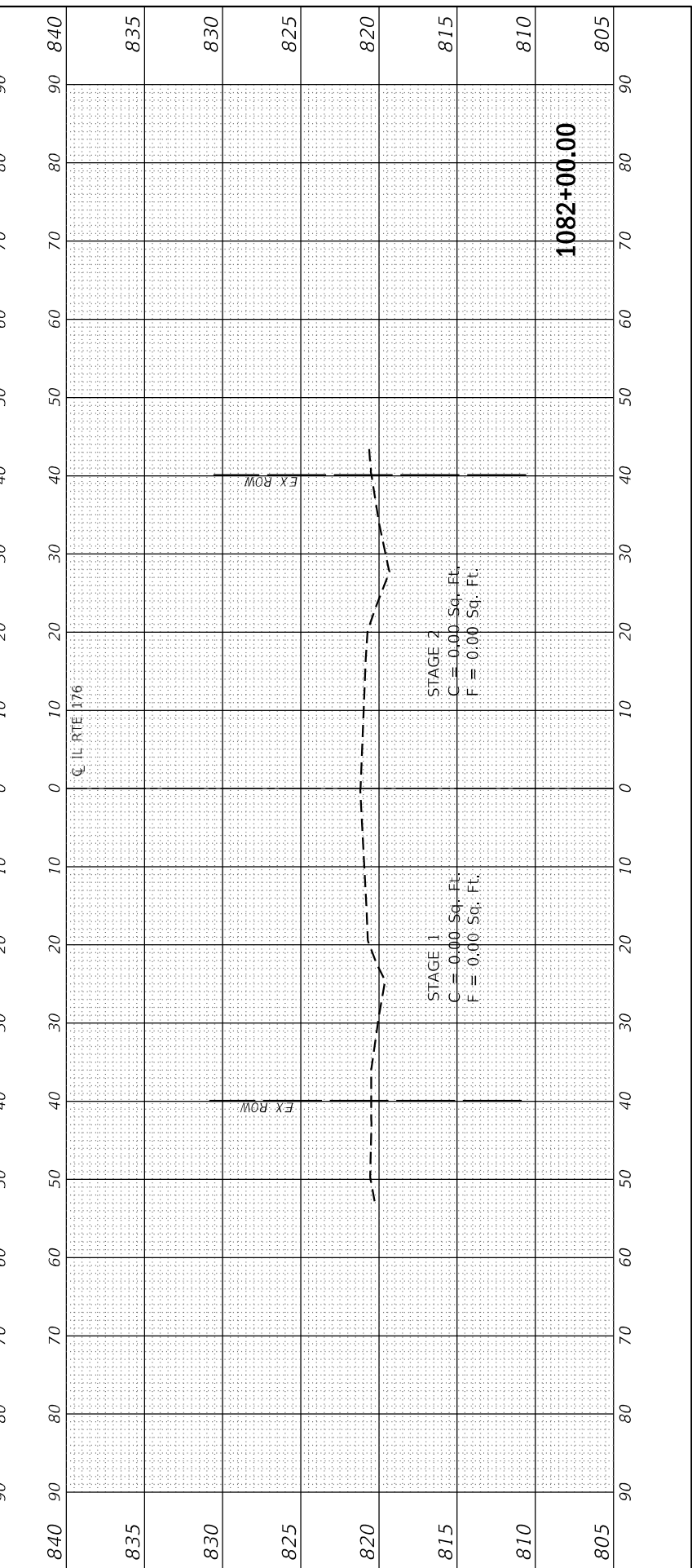
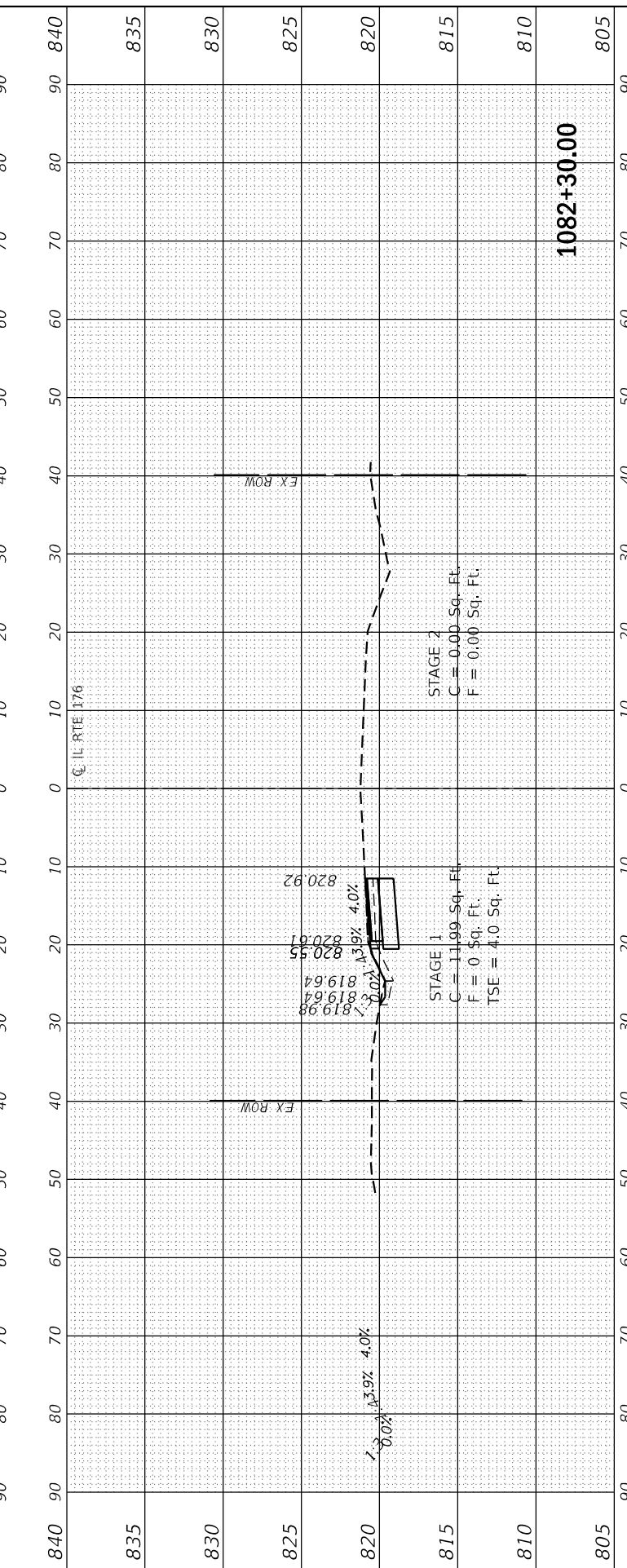
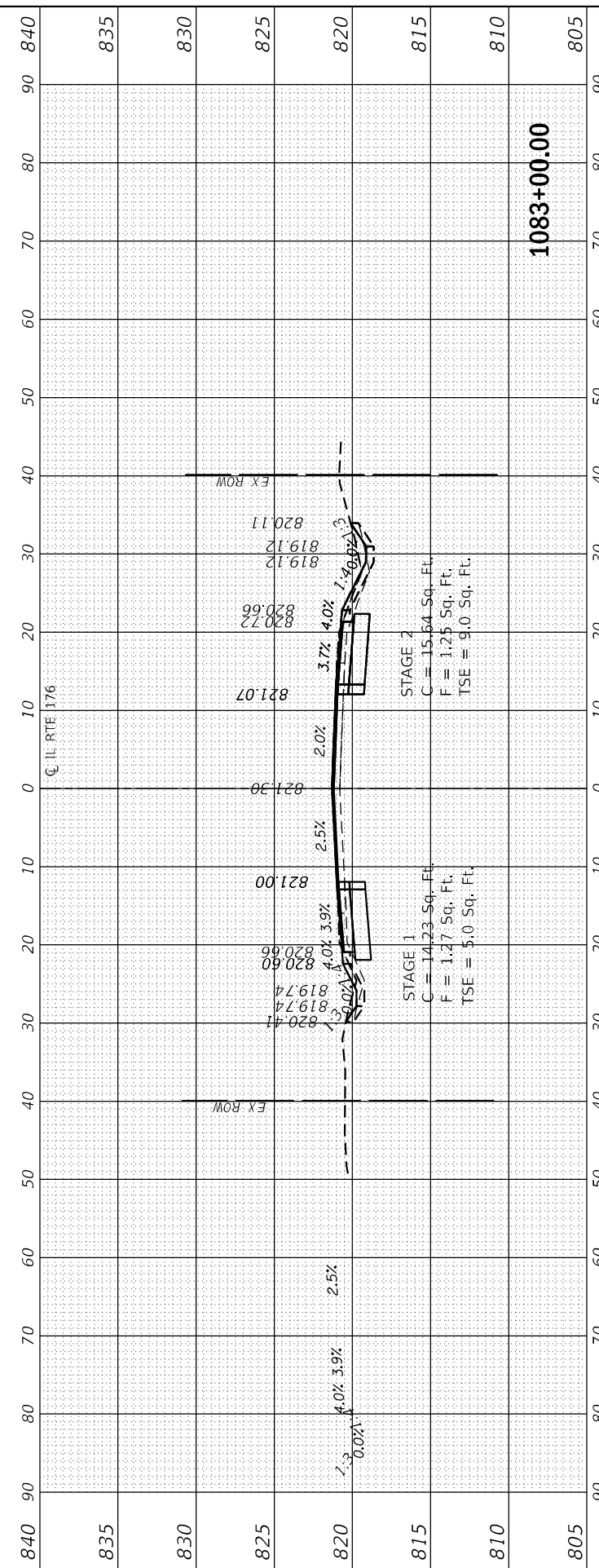
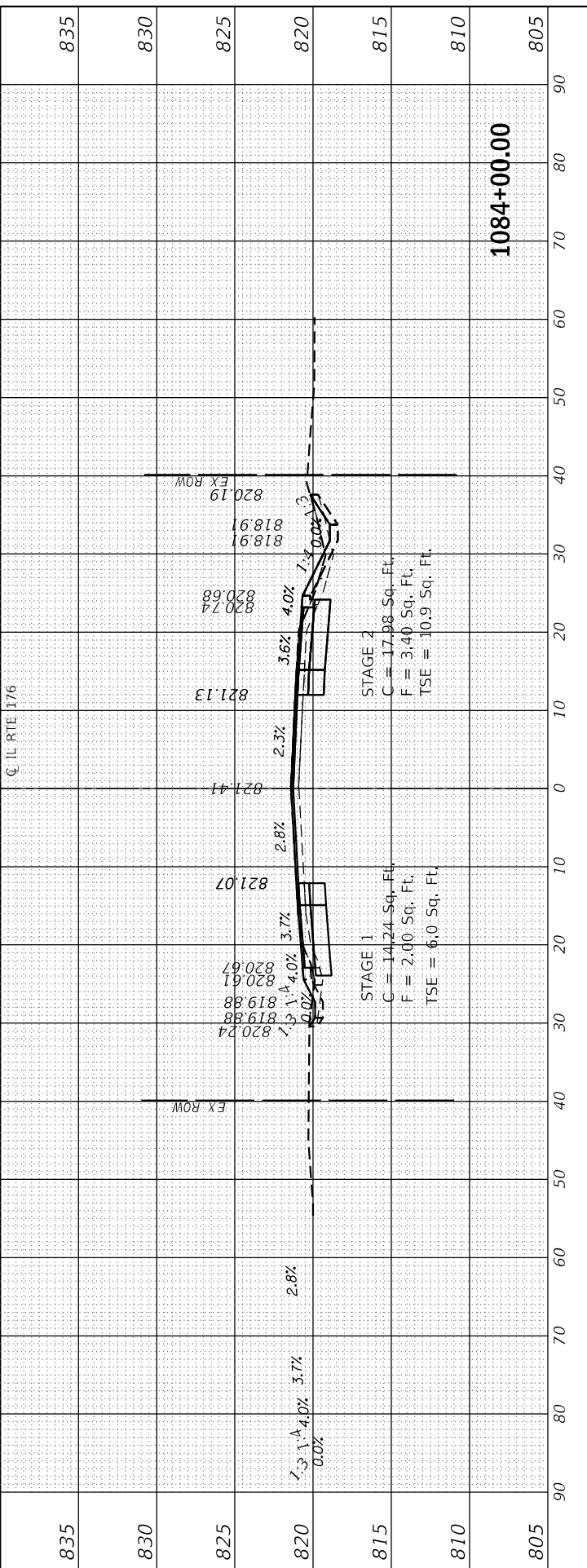
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	249
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



FINAL SURVEY NO.	50
DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

ORIGINAL SURVEY NO.	61
DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

MODEL: IL 176-100 TO 100-00  
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USER NAME	= jschumann
DESIGNED	- AB
DRAWN	- AB
CHECKED	- TGM
DATE	- 06-17-2021

REVISIONS	-
REVISIONS	-
REVISIONS	-
REVISIONS	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 6**  
**IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

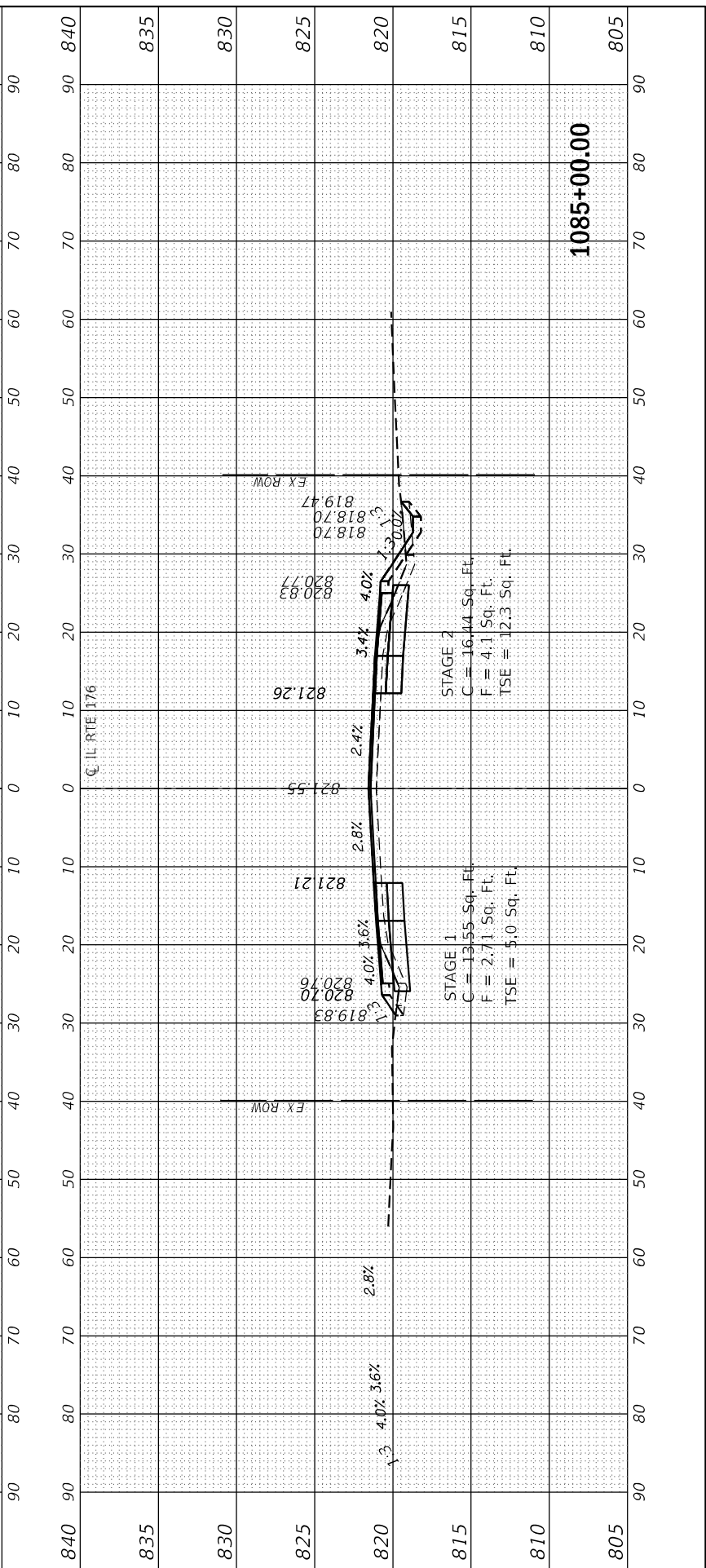
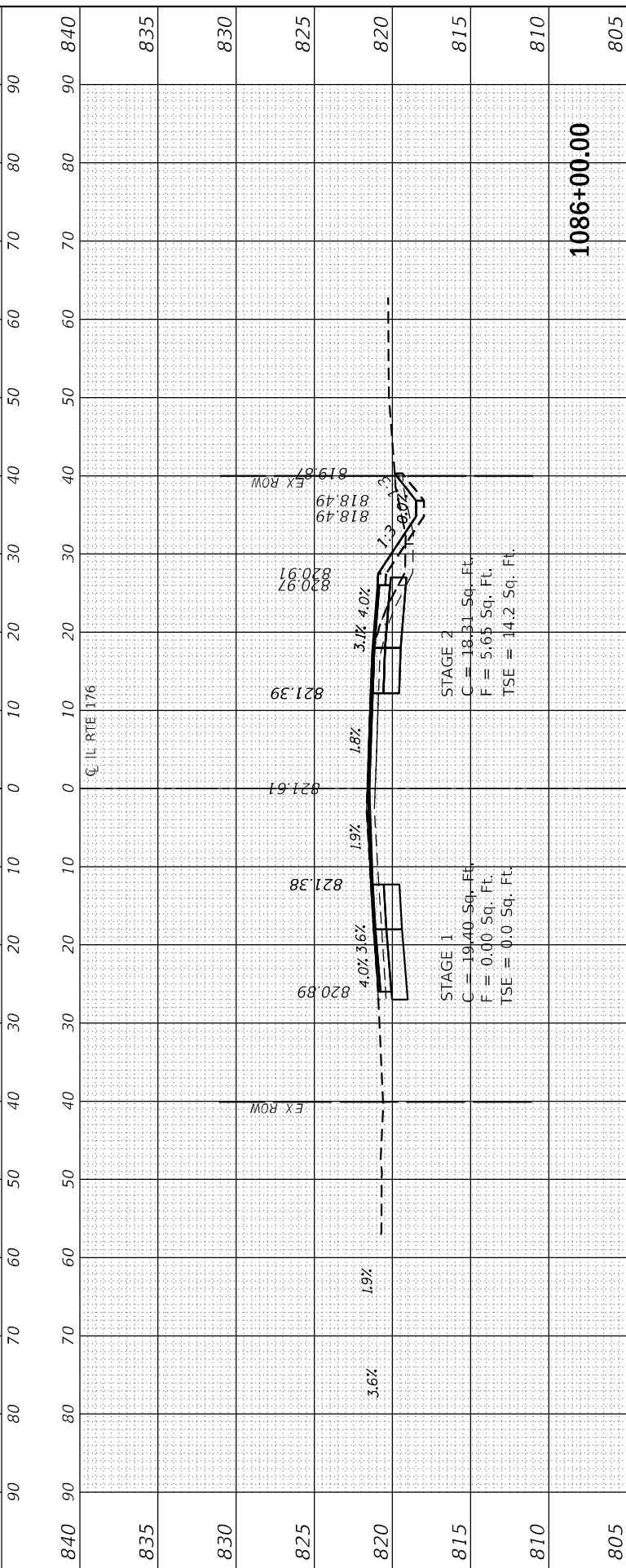
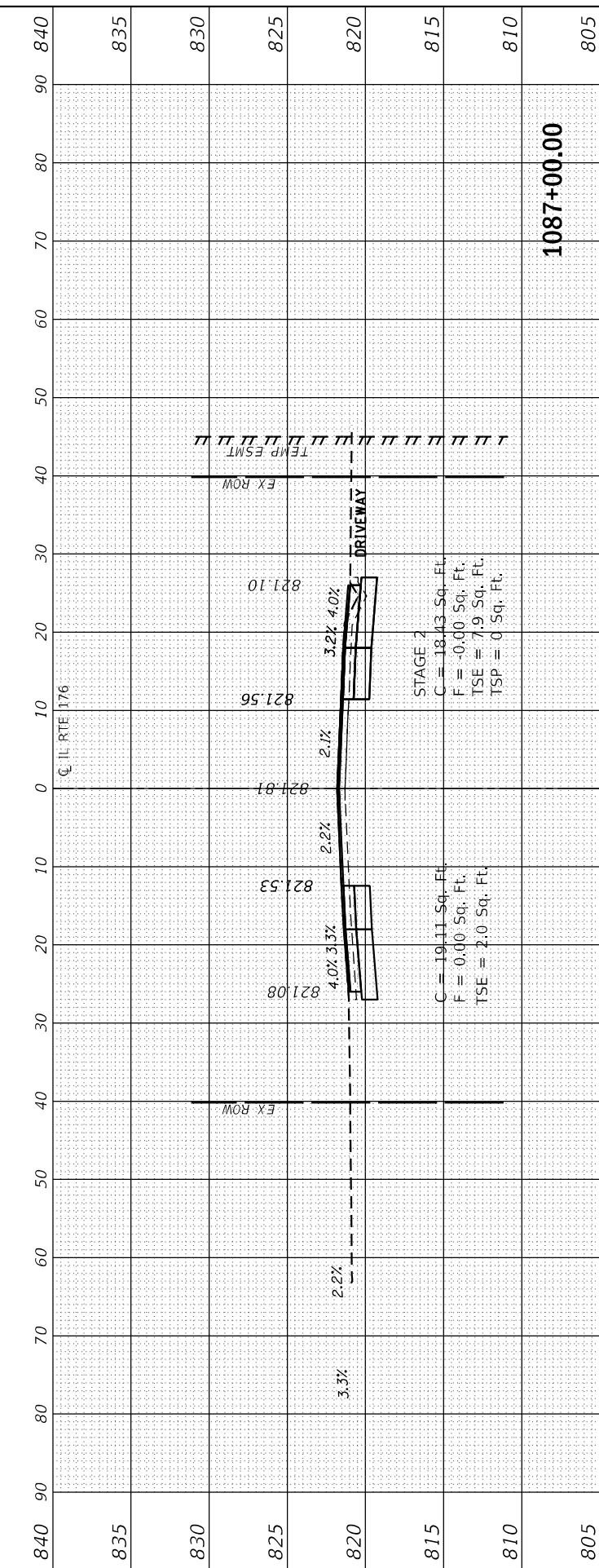
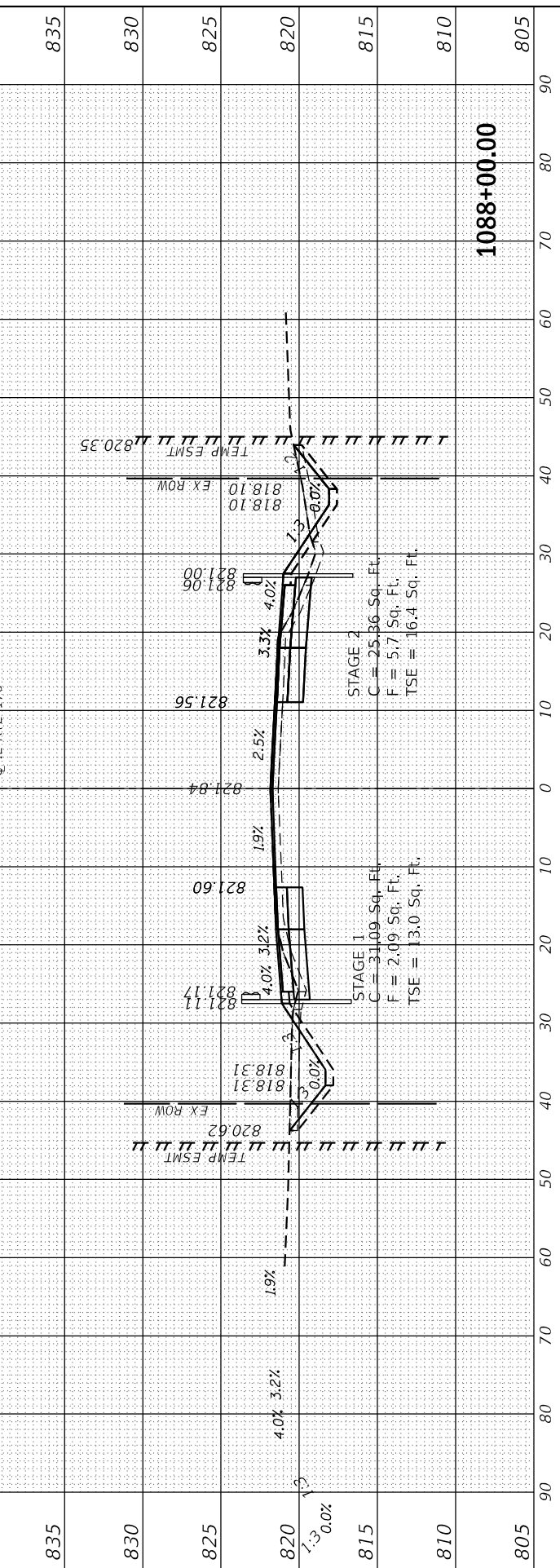
SCALE: SHEET OF SHEETS STA. 1082+00.00 TO STA. 1084+00.00

F.A.P. RTE.	533	SECTION	(119&105)C&W-1	COUNTY	MCHENRY	TOTAL SHEETS	300	SHEET NO.	250
						CONTRACT NO.	62G35		
						ILLINOIS	FED. AID PROJECT		

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

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

MODEL: IL 176-105 TO 108+00  
 FILE NAME: G:\176\105 TO 108+00\176-105.dwg



835	830	825	820	815	810	805	840	835	830	825	820	815	810	805	840	835	830	825	820	815	810	805
<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>																						
<b>CROSS SECTIONS - 7</b>												<b>IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)</b>										
SCALE:												SHEET OF SHEETS STA. 1085+00.00 TO STA. 1088+00.00										
USER NAME = jschumann												DESIGNED - AB										
DRAWN - AB												REVISED -										
CHECKED - TGM												REVISED -										
DATE - 06-17-2021												REVISED -										
PLOT SCALE = 20.0012' / in.												SECTION (119&105)C&W-1										
PLOT DATE = 6/18/2021												COUNTY MCHENRY										
TOTAL SHEETS 300												SHEET NO. 251										
CONTRACT NO. 62G35												ILLINOIS FED. AID PROJECT										

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

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

MODEL: IL 176-1087+00 TO 1088+42  
 FILE NAME: G:\Engineering\Live\Projects\176\DOT IL 176\CADD\CADD Sheets\CADD Sheets\CADD Sheets\176-1087+00.dgn



USER NAME	= jschumann
DESIGNED	- AB
DRAWN	- AB
PLOT SCALE	= 20.0012' / in.
PLOT DATE	= 6/18/2021

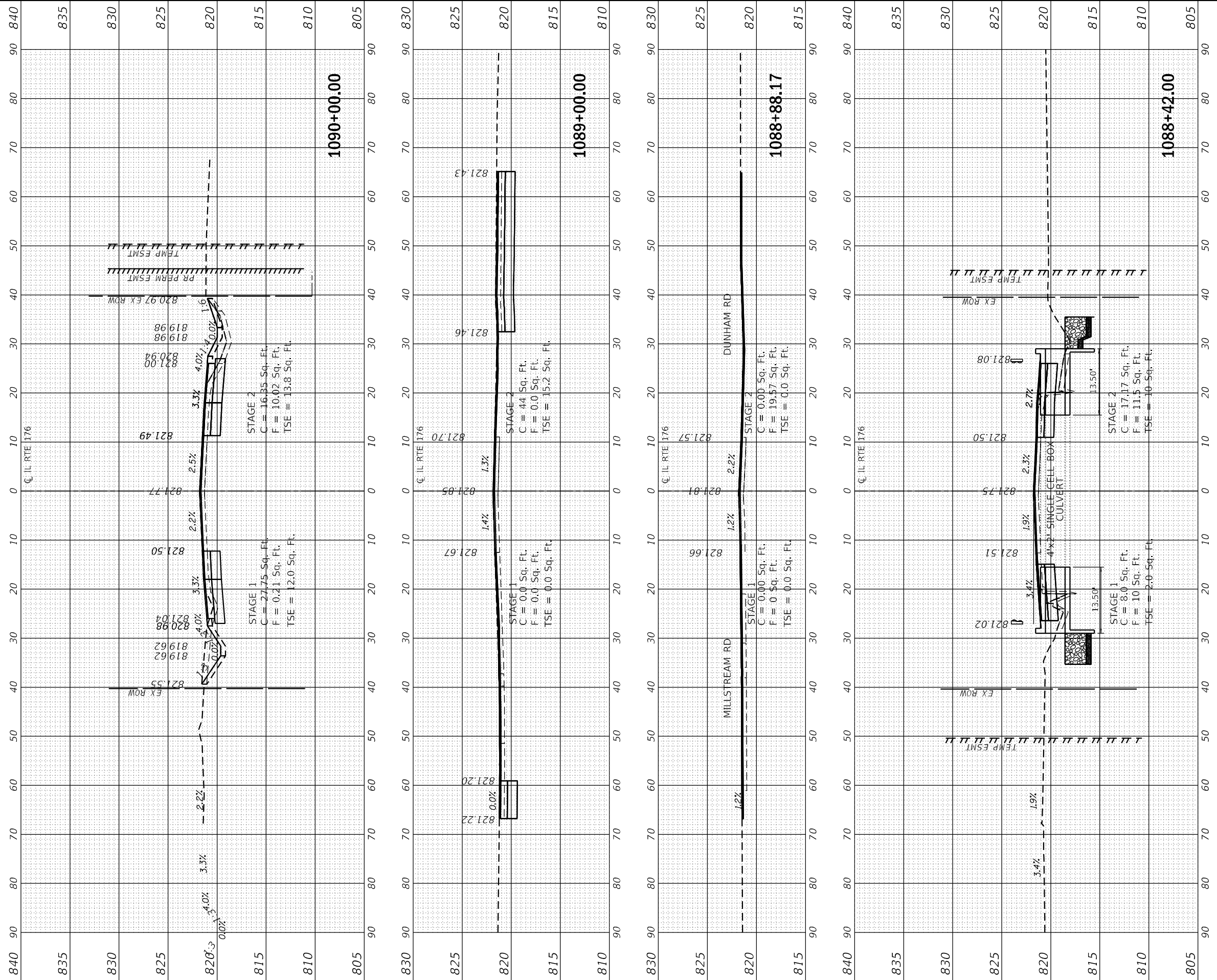
REVISD	-
REVISD	-
REVISD	-
REVISD	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 8  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1088+42.00 TO STA. 1090+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	252
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



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

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

MODEL: IL 176-1091+00 TO 1093+00  
 FILE NAME: G:\Engineering\Live\Projects\176\176-1091+00\Drawings\176G35-1091+00.dgn



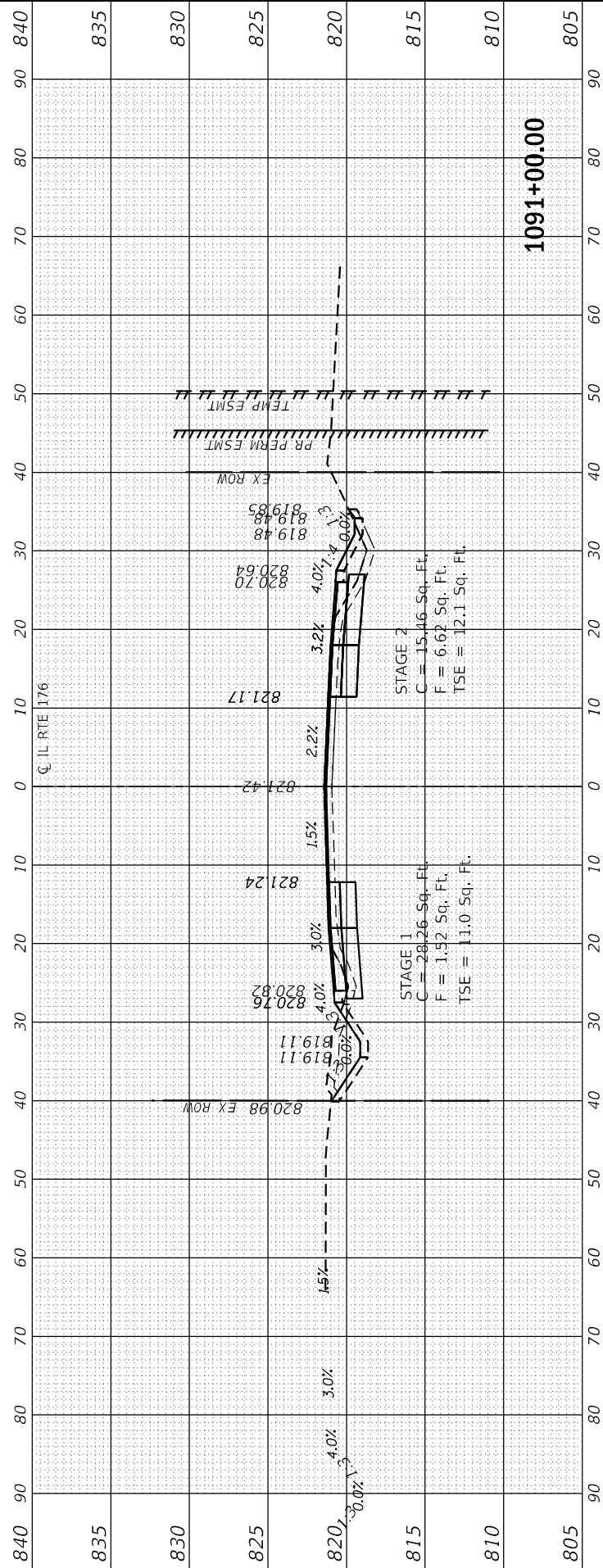
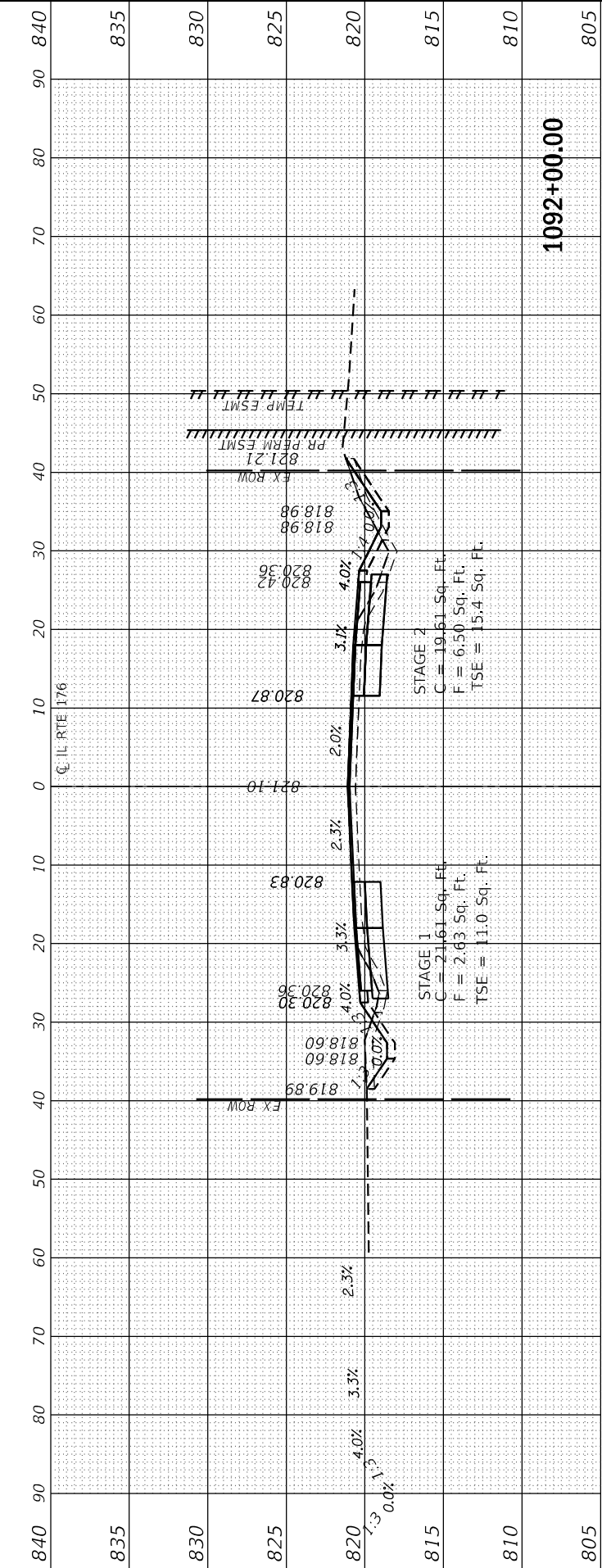
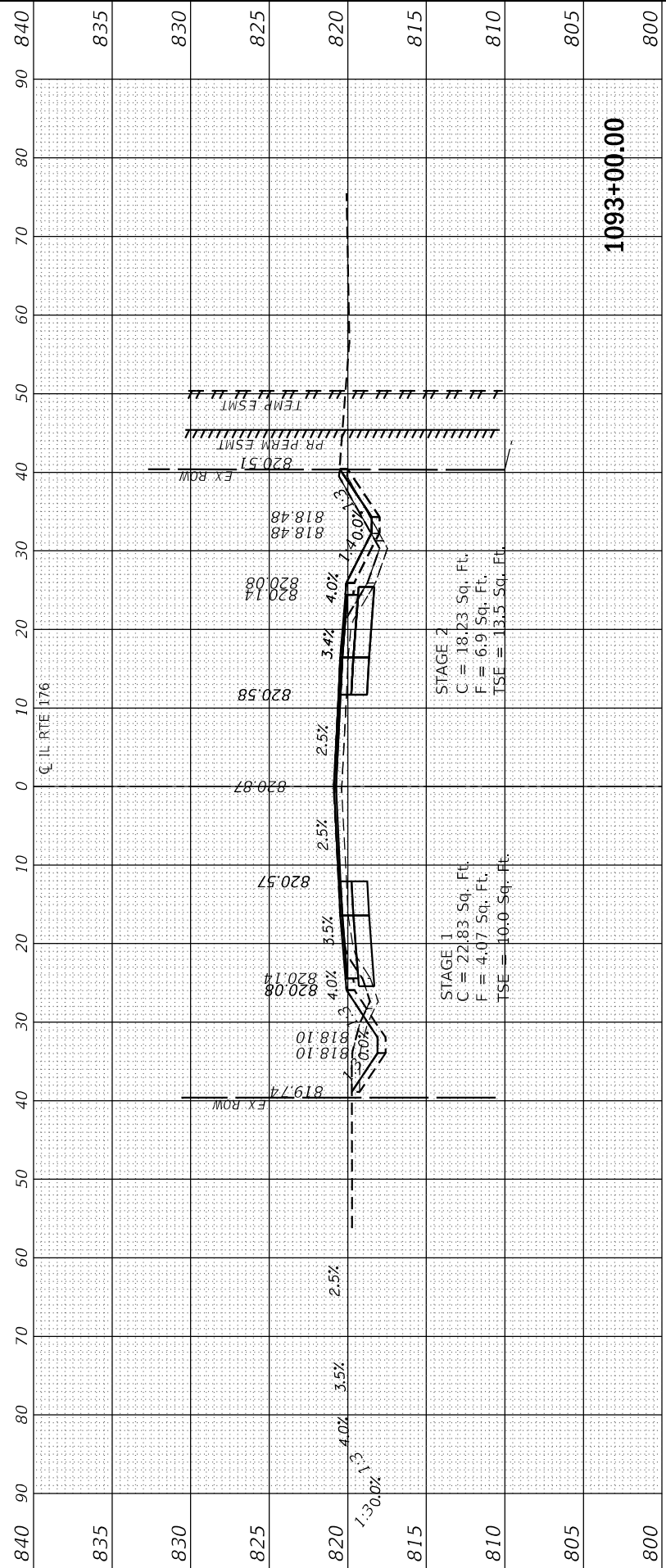
USER NAME = jschumann	DESIGNED - AB	REVISIONS
	DRAWN - AB	REVISIONS
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISIONS
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISIONS

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 9  
IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1091+00.00 TO STA. 1093+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 253
		CONTRACT NO. 62G35		ILLINOIS FED. AID PROJECT



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

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

MODEL: IL 176-1094+00 TO 1094+00  
 FILE NAME: G:\Engineering\Live\Projects\176\1094\DOT IL 176\CADD\CADD Sheets\CADD Sheets\176G35-shc-XS-1093-111.dgn



USER NAME = jschumann  
 DESIGNED - AB  
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 CHECKED - TGM  
 DATE - 06-17-2021

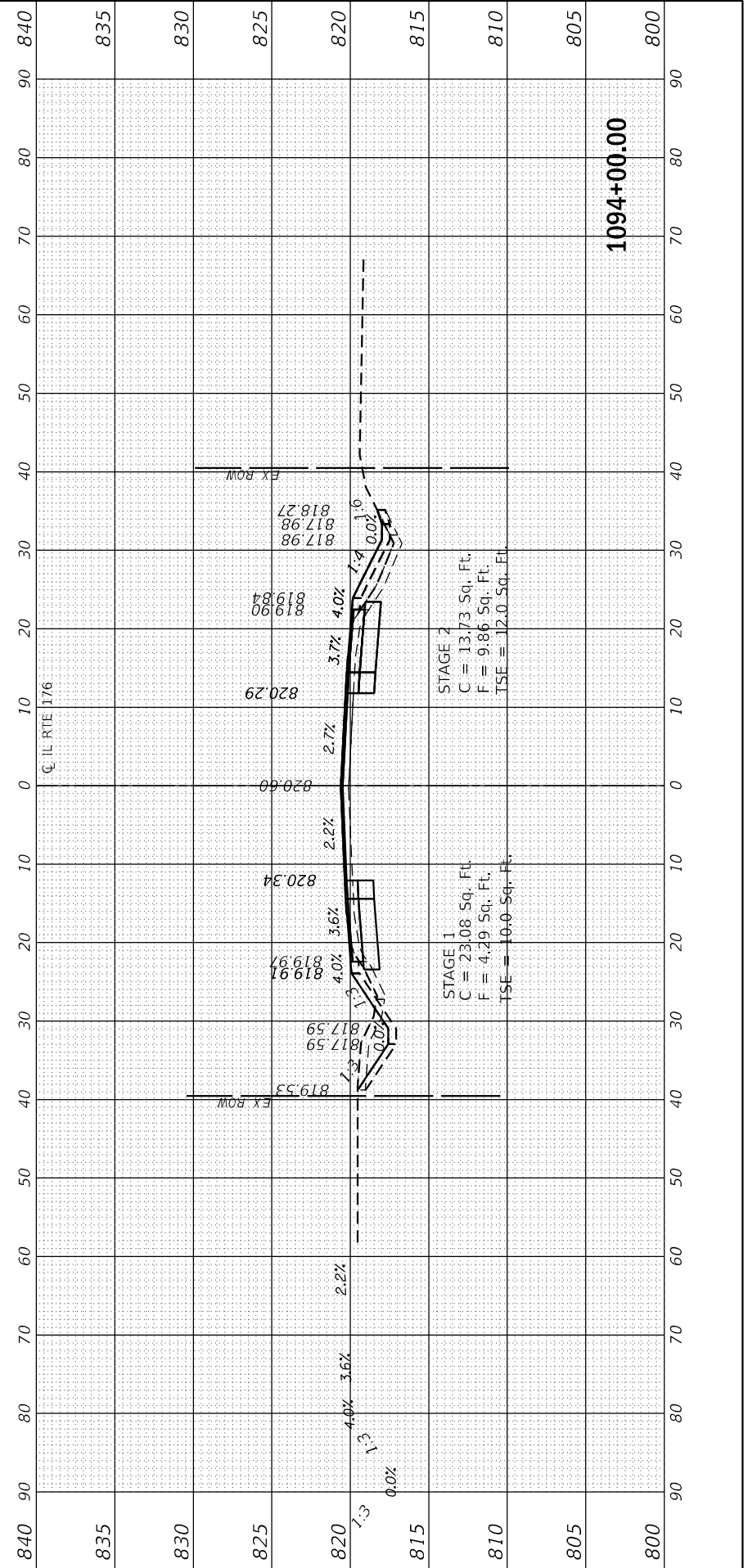
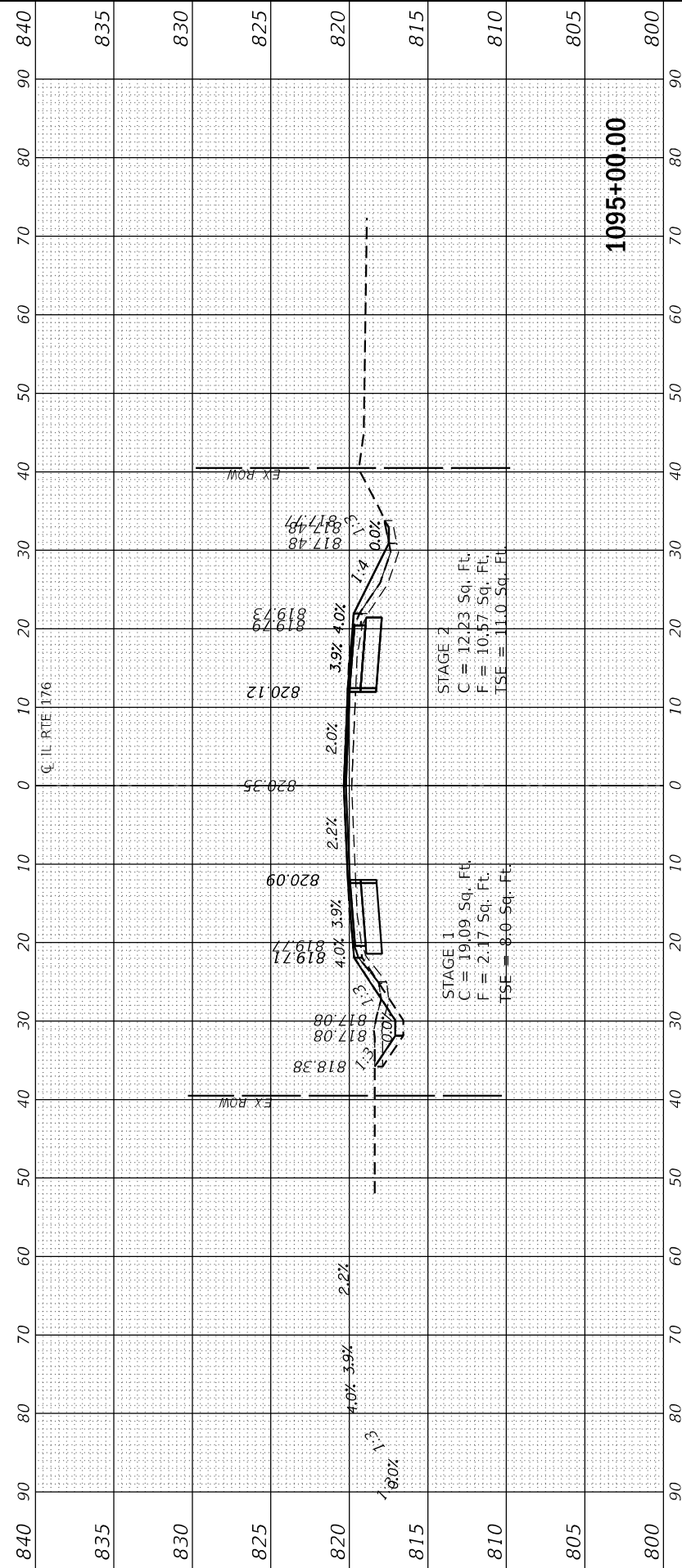
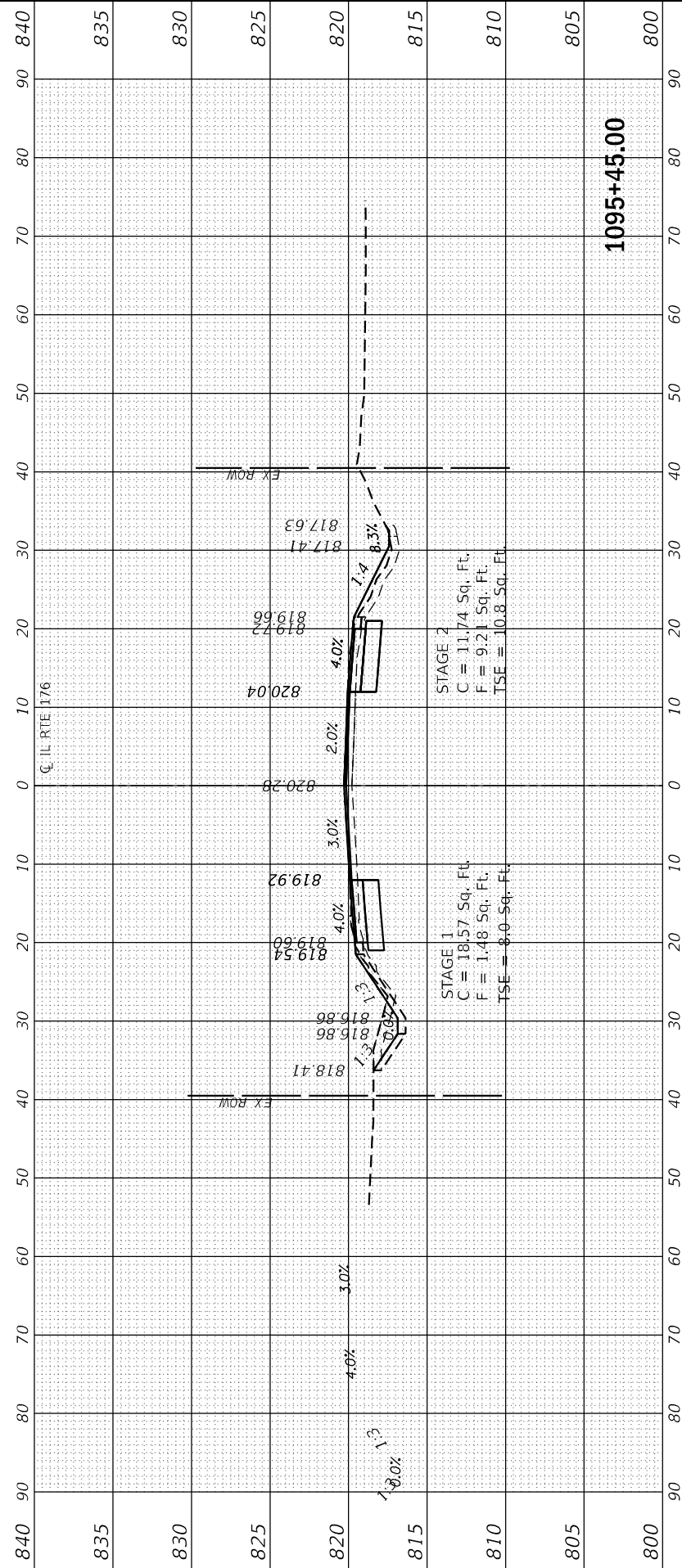
REVISOR  
 REVISION  
 REVISION  
 REVISION

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 10  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1094+00.00 TO STA. 1095+43.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	254
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



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

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

MODEL: IL 176-1135+00 TO 1136+00  
 FILE NAME: G:\Engineering\Live\Projects\176\DOT IL 176\CADD\CADD Sheets\CADD Sheets\176G35-shc-x5-1003-1411.dgn



USER NAME = jschumann	DESIGNED - AB	REVISED -
	DRAWN - AB	REVISED -
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

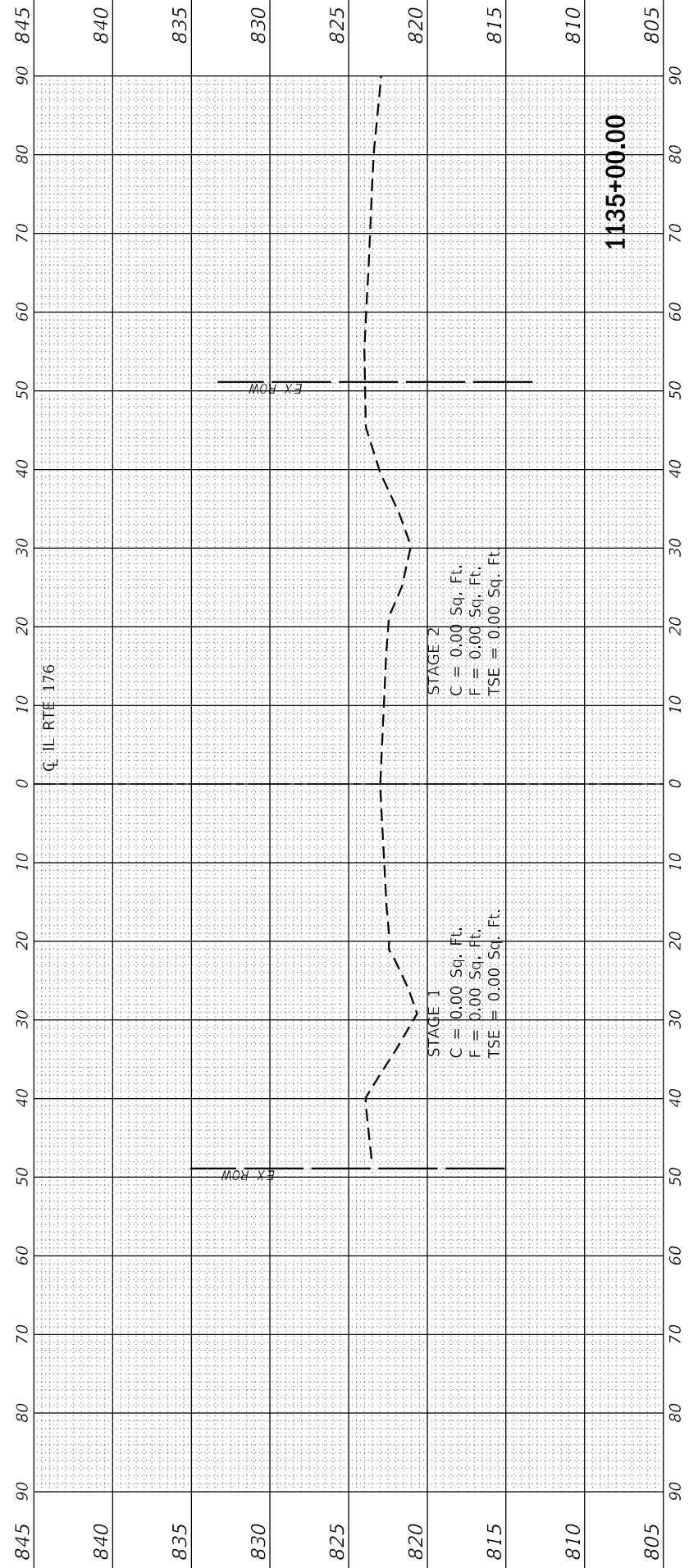
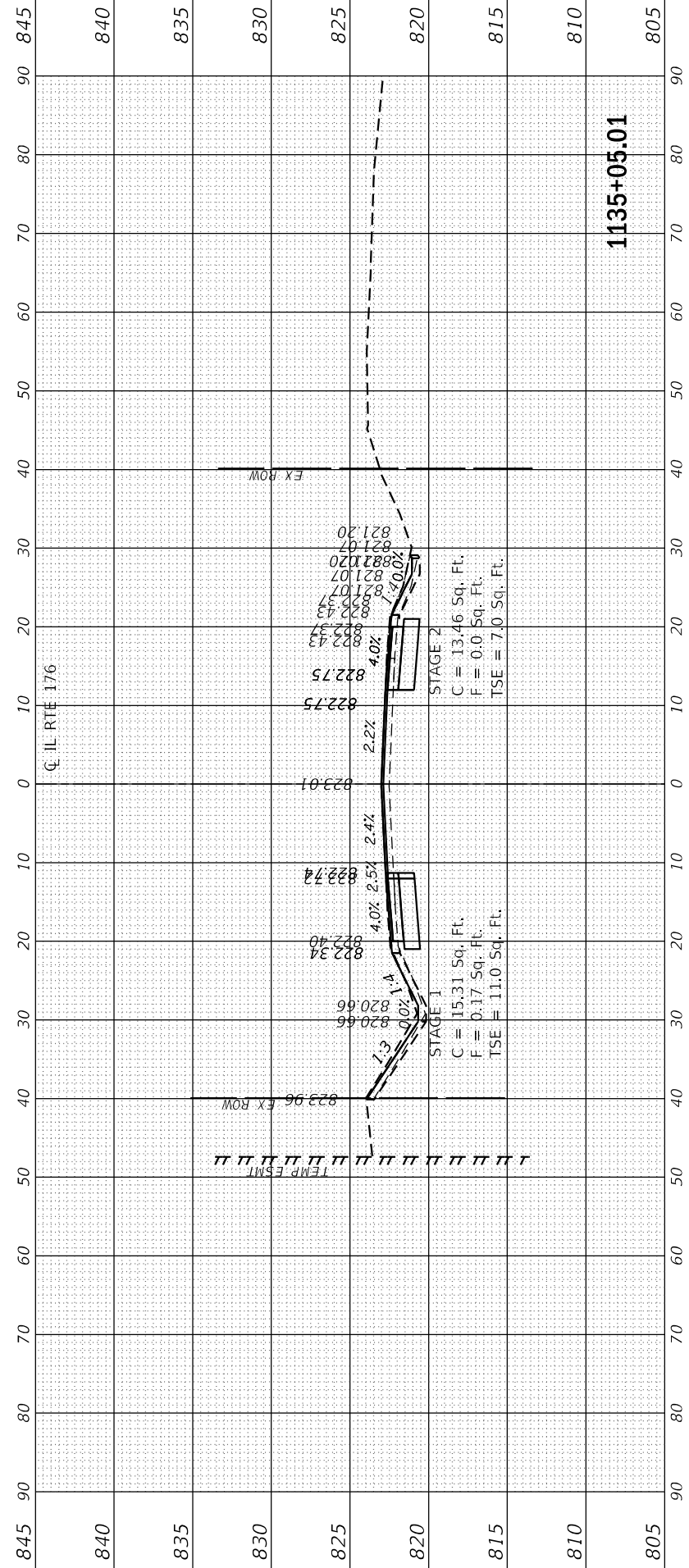
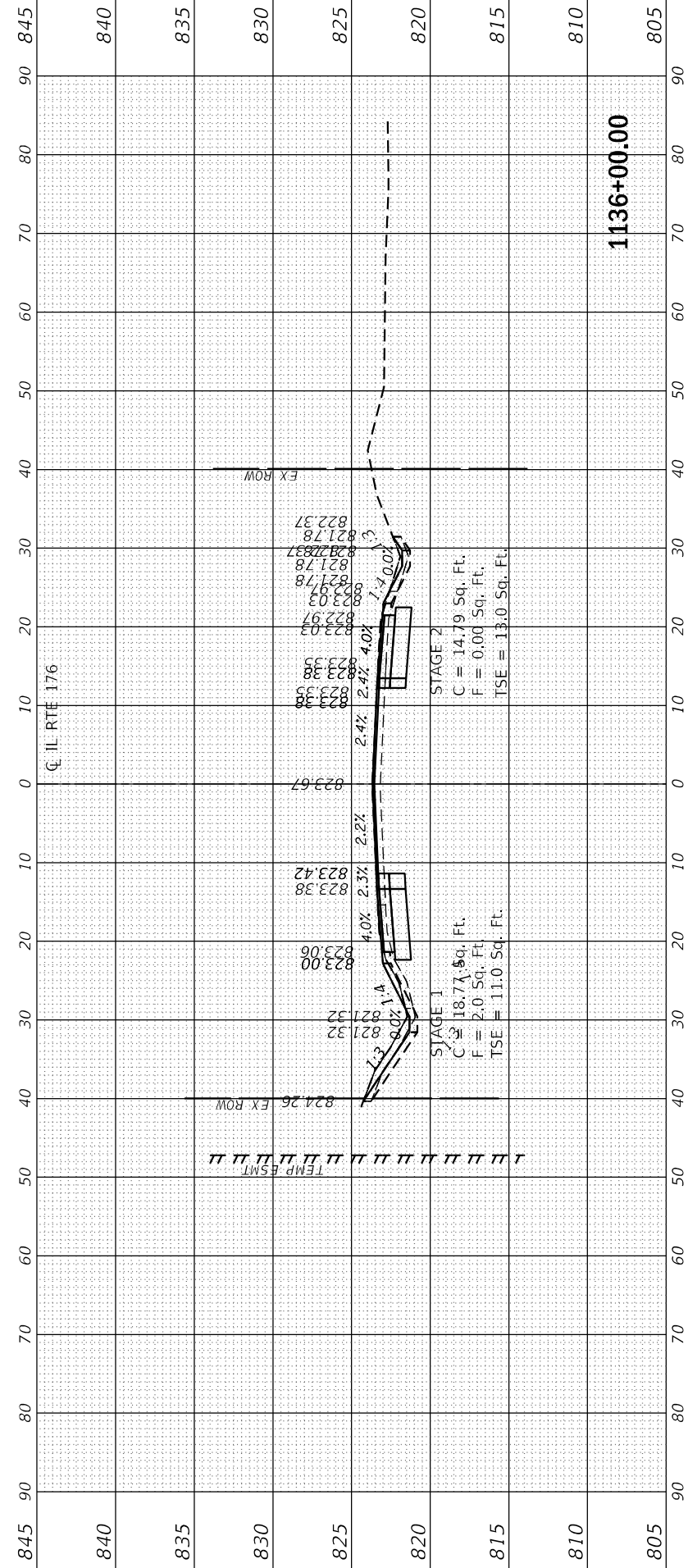
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 11  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1135+00.00 TO STA. 1136+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 255
ILLINOIS		FED. AID PROJECT		

1.3 1.1A



1136+00.00

1135+05.01

1135+00.00

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

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

MODEL: IL 176-1137+00 TO 1139+00  
 FILE NAME: G:\Engineering\Live\Projects\12045\DOT IL 176\CADD\CADD Sheets\CADD Sheets\CADD Sheets\1137+00.dgn



USER NAME = jschumann	DESIGNED - AB	REVISED -
	DRAWN - AB	REVISED -
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

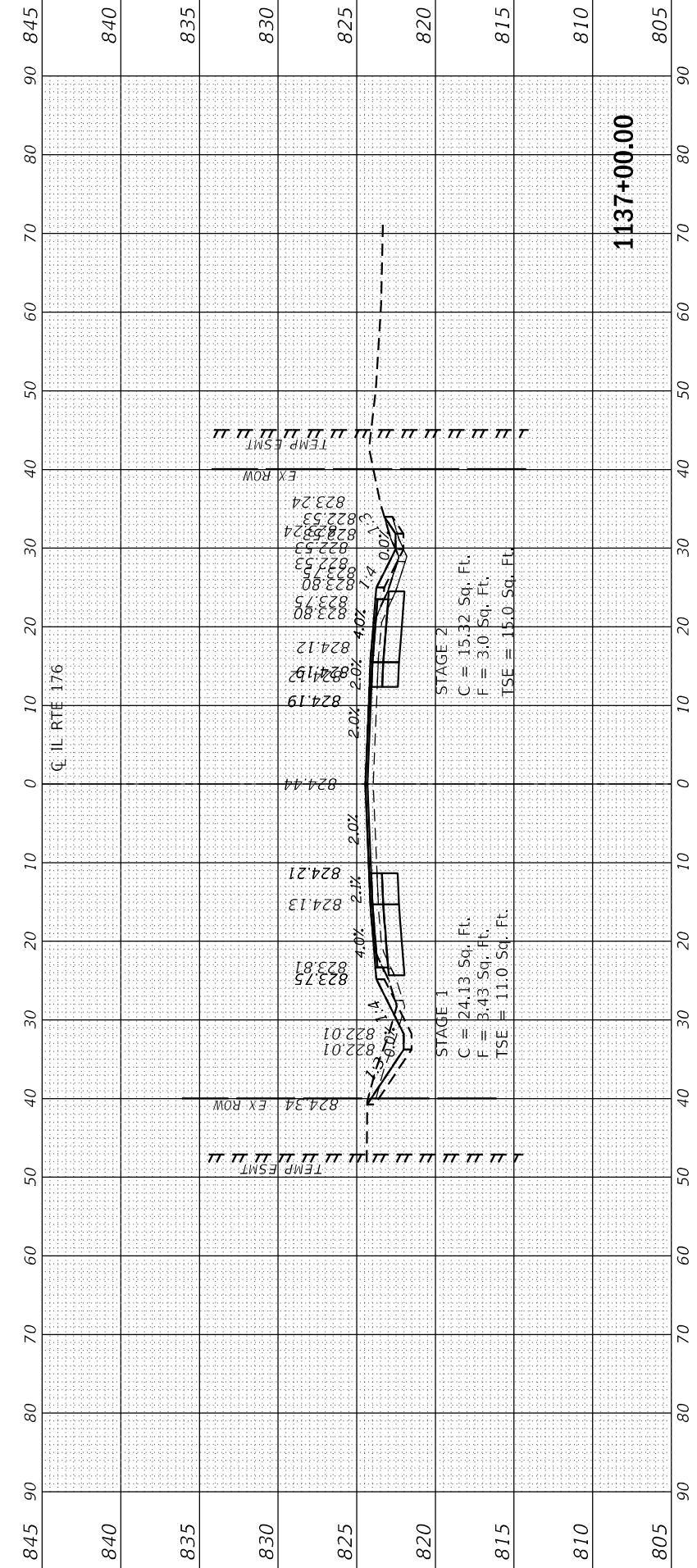
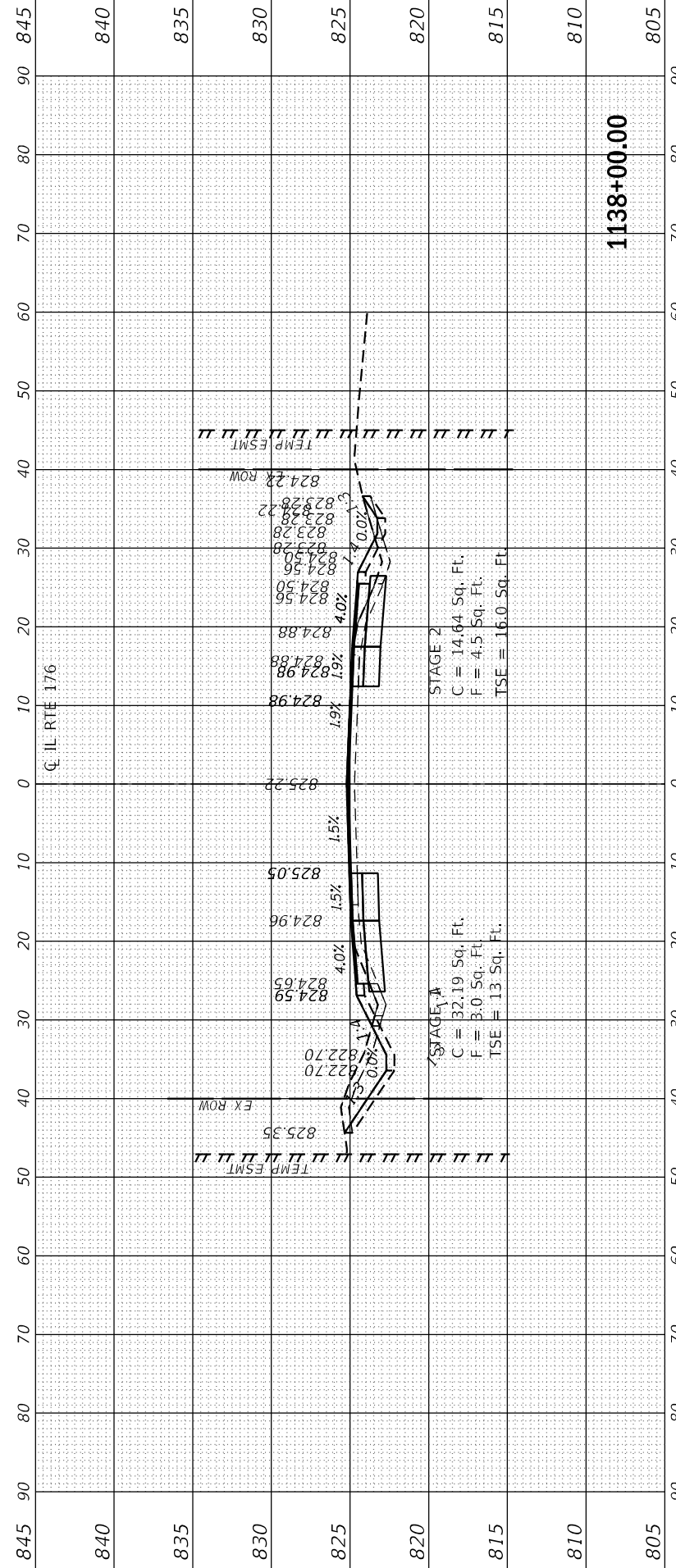
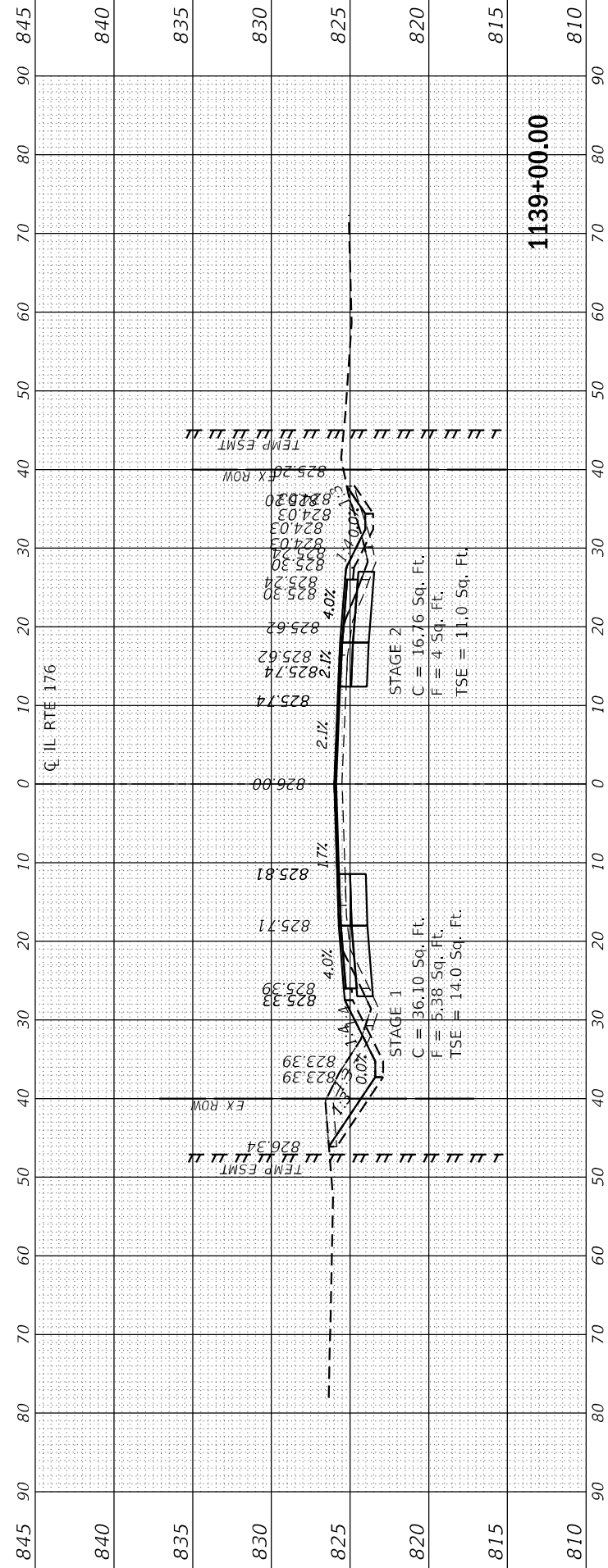
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 12  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1137+00.00 TO STA. 1139+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 256
ILLINOIS		FED. AID PROJECT		

1.3 1.4





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

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

MODEL: IL 176-1140+00 TO 1142+00  
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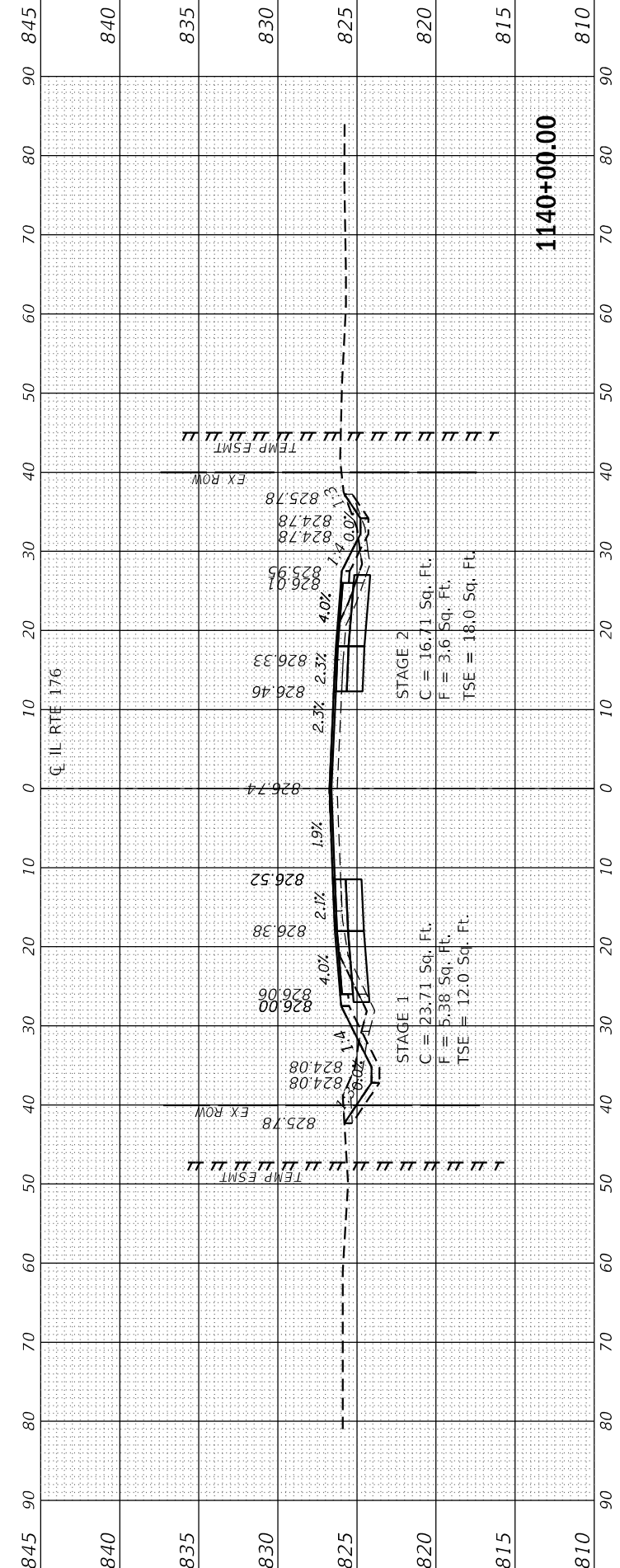
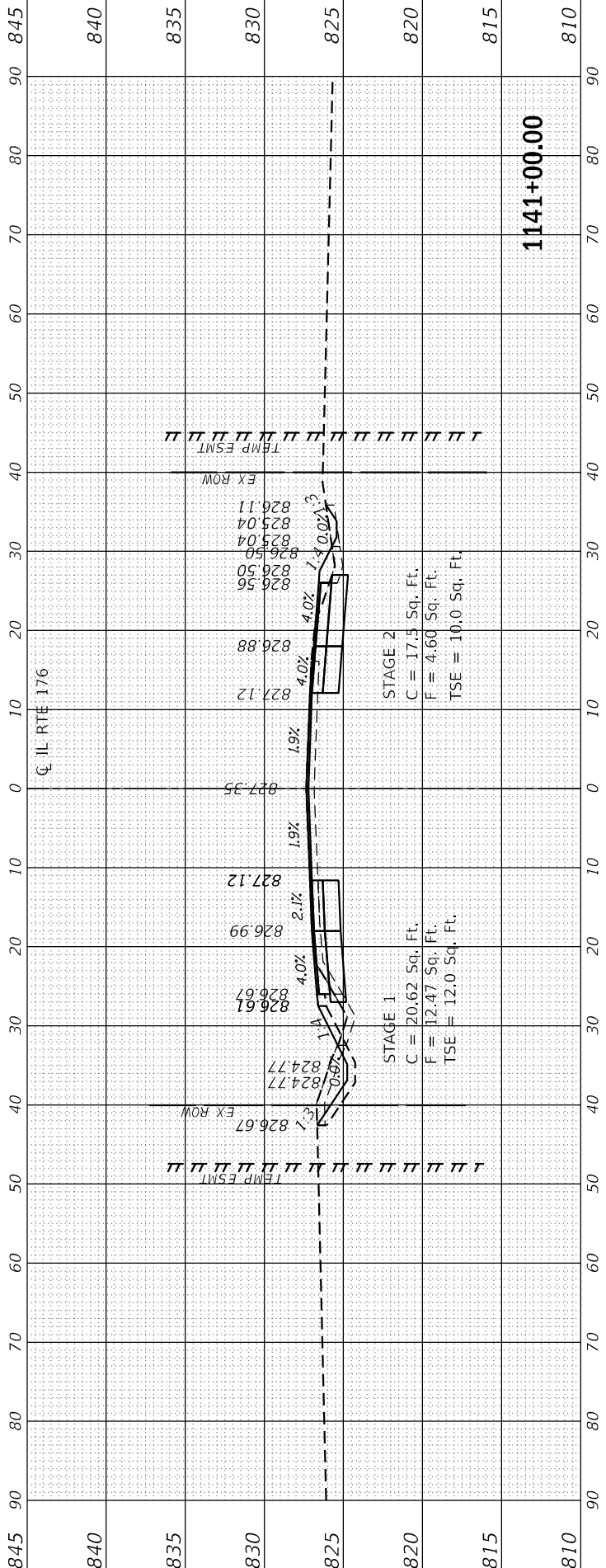
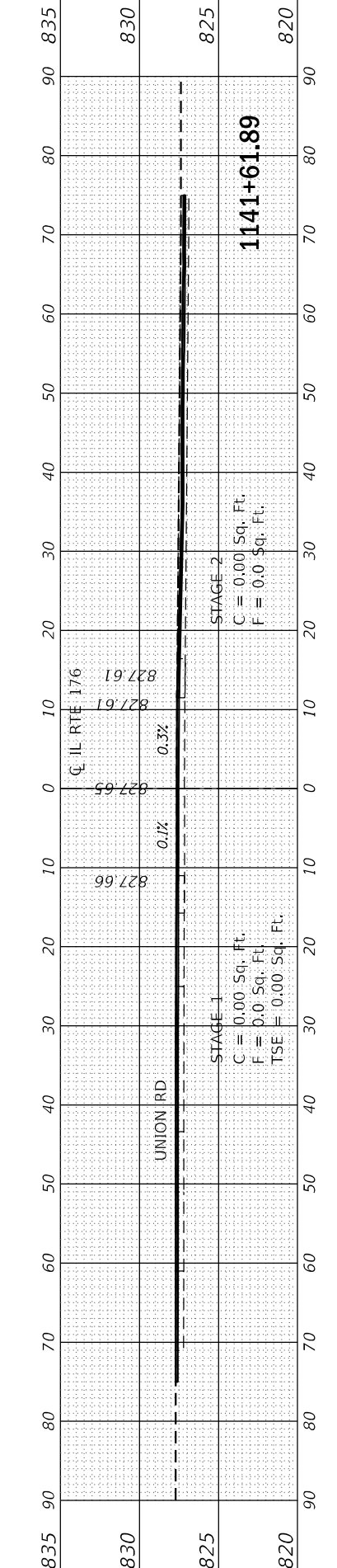
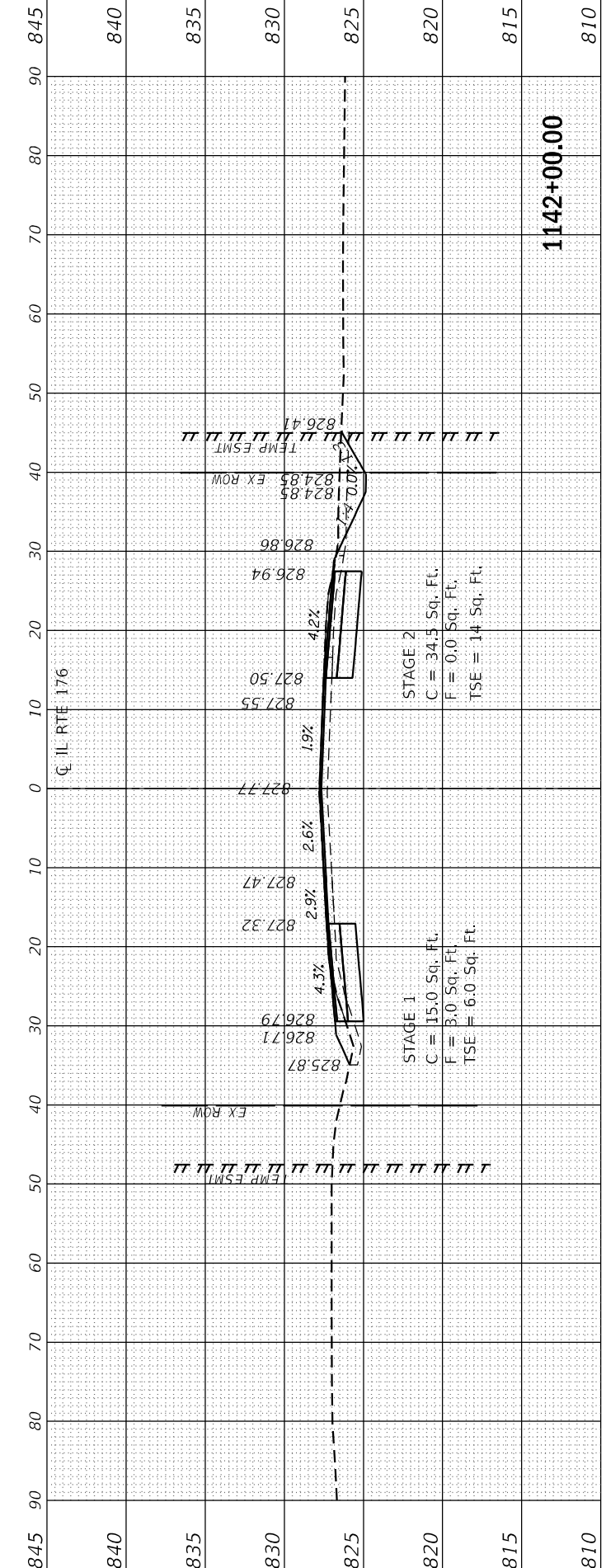


USER NAME = jschumann	DESIGNED - AB	REVISED -
	DRAWN - AB	REVISED -
	CHECKED - TGM	REVISED -
	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS - 13</b>	
<b>IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)</b>	
SCALE:	SHEET OF SHEETS STA. 1140+00.00 TO STA. 1142+00.00

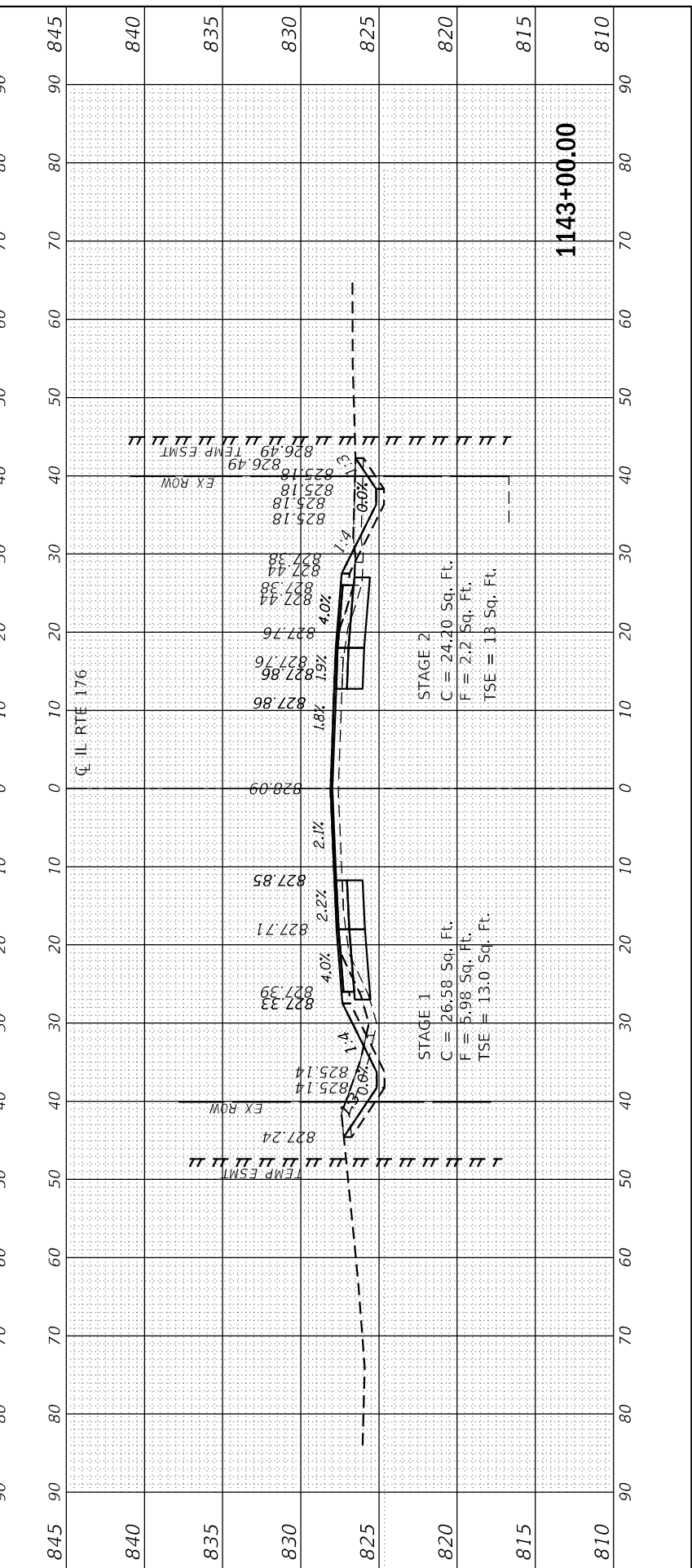
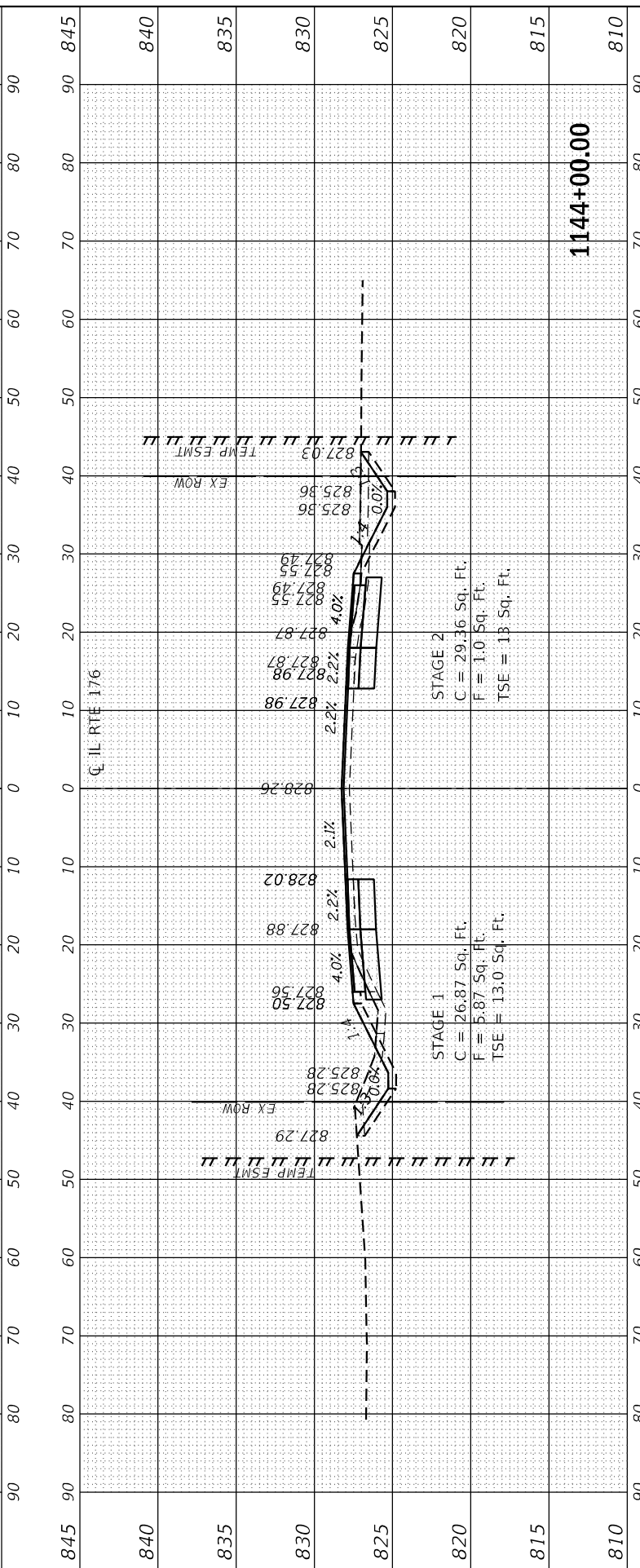
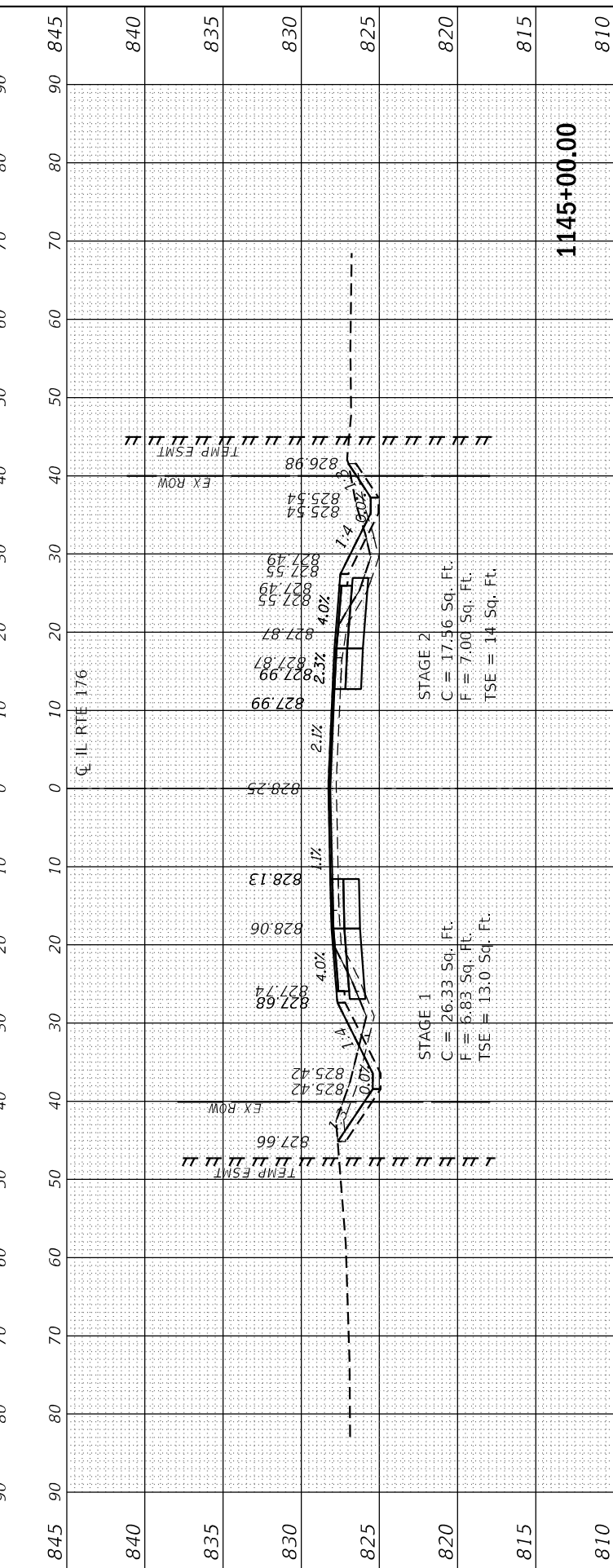
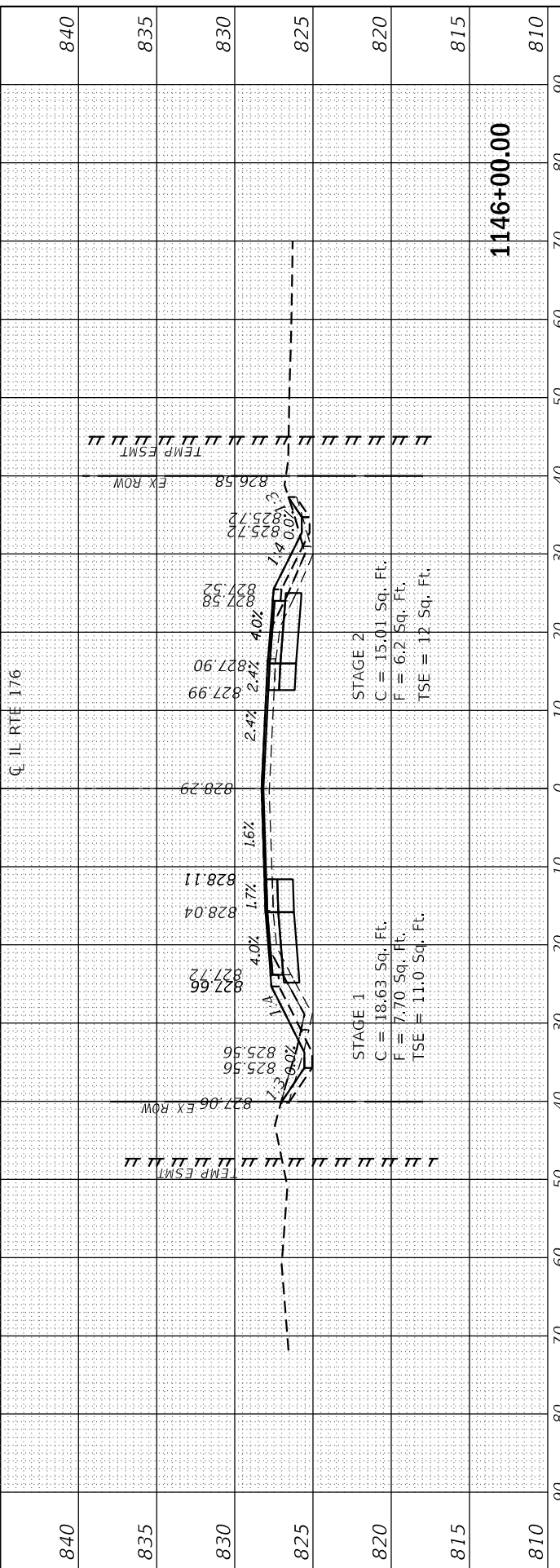
F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 257
ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 62G35		



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

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

MODEL: IL 176-1 TO 180-0  
 FILE NAME: G:\176-1 TO 180-0\176-1 TO 180-0.dwg



USER NAME	= jschumann
DESIGNED	- AB
DRAWN	- AB
REVISOR	-
REVISION	-
PLLOT SCALE	= 20.0012 ' / in.
CHECKED	- TGM
REVISOR	-
REVISION	-
DATE	= 06/17/2021
REVISOR	-
REVISION	-

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - 14  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)

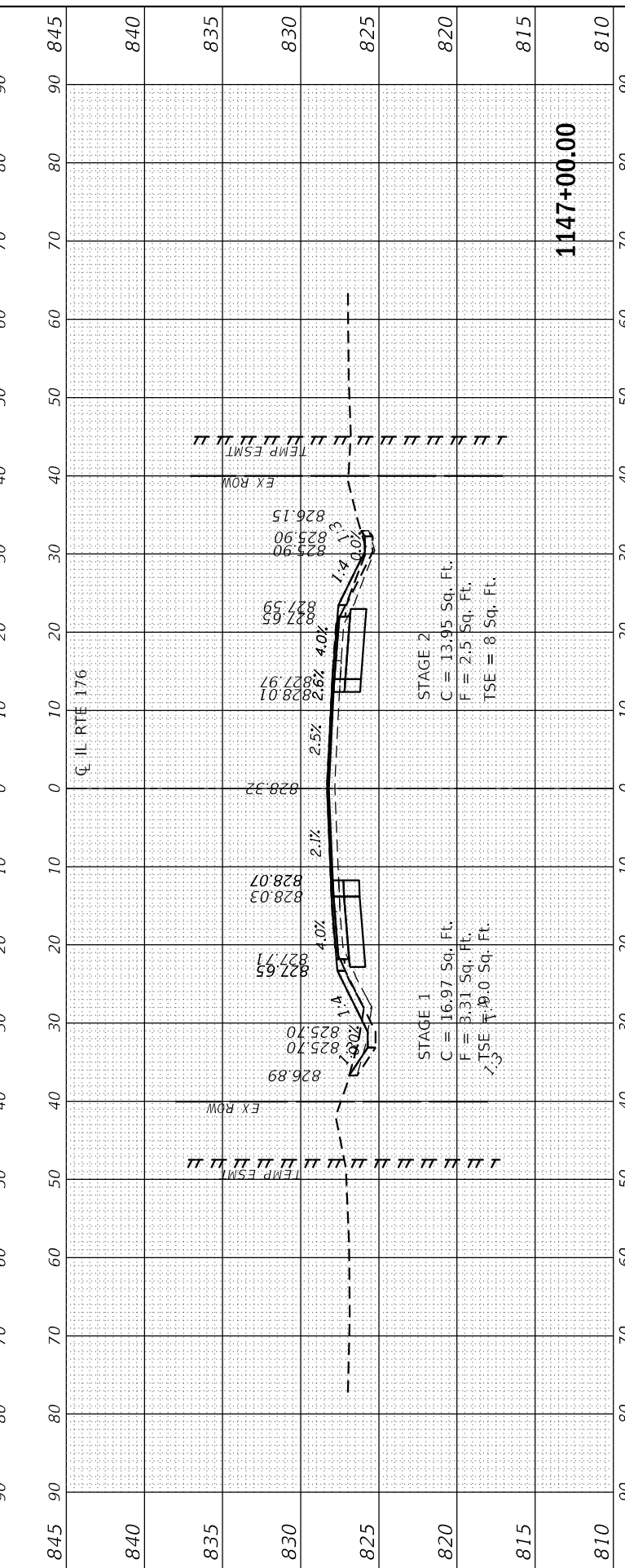
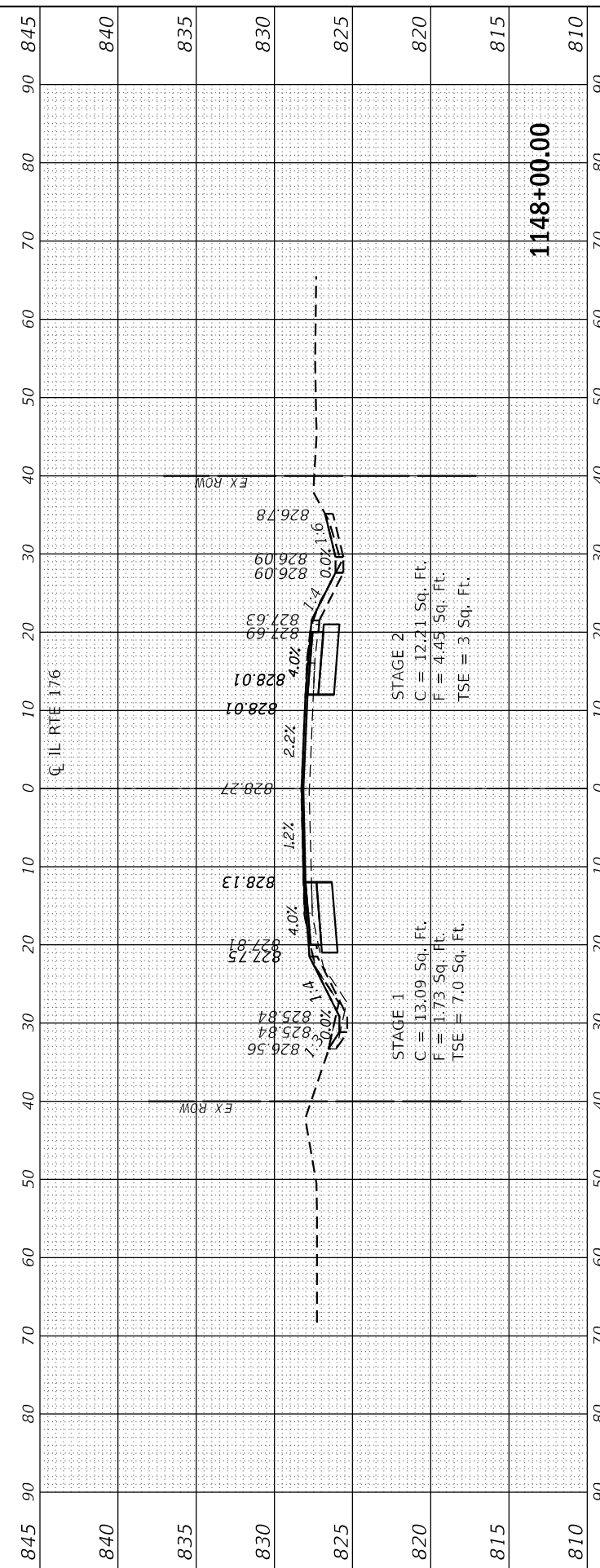
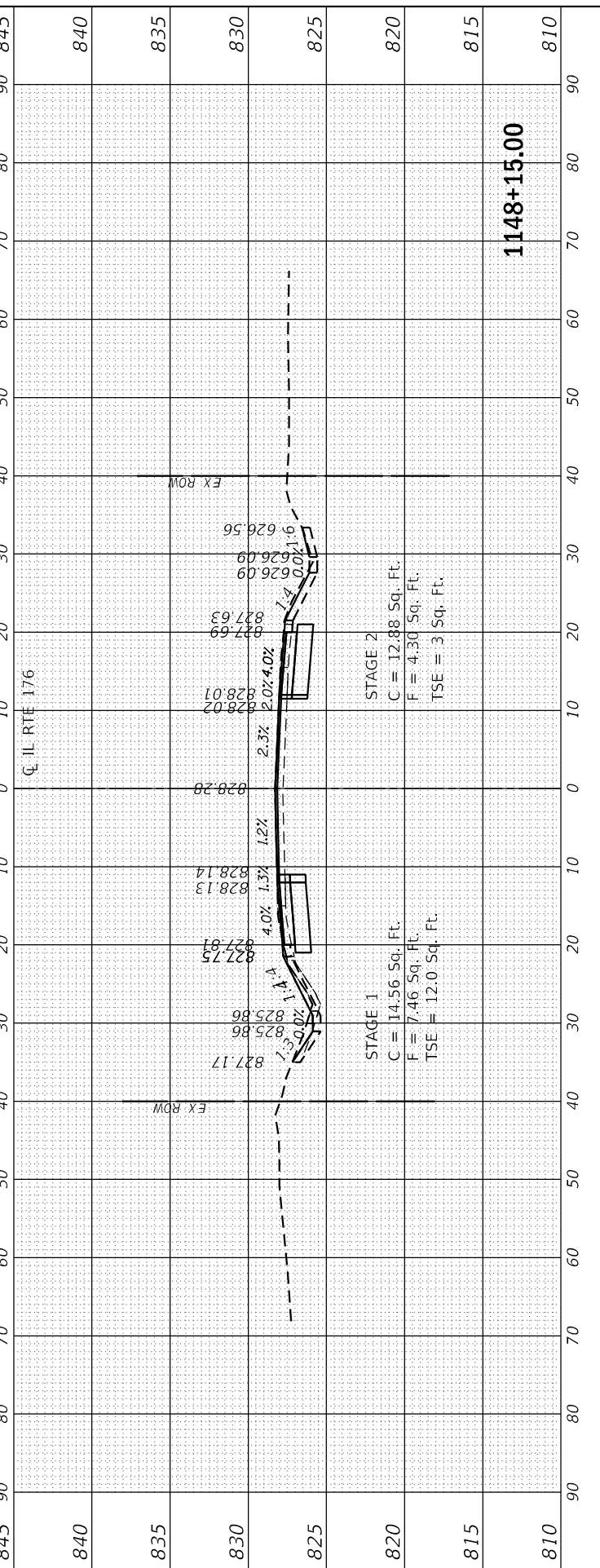
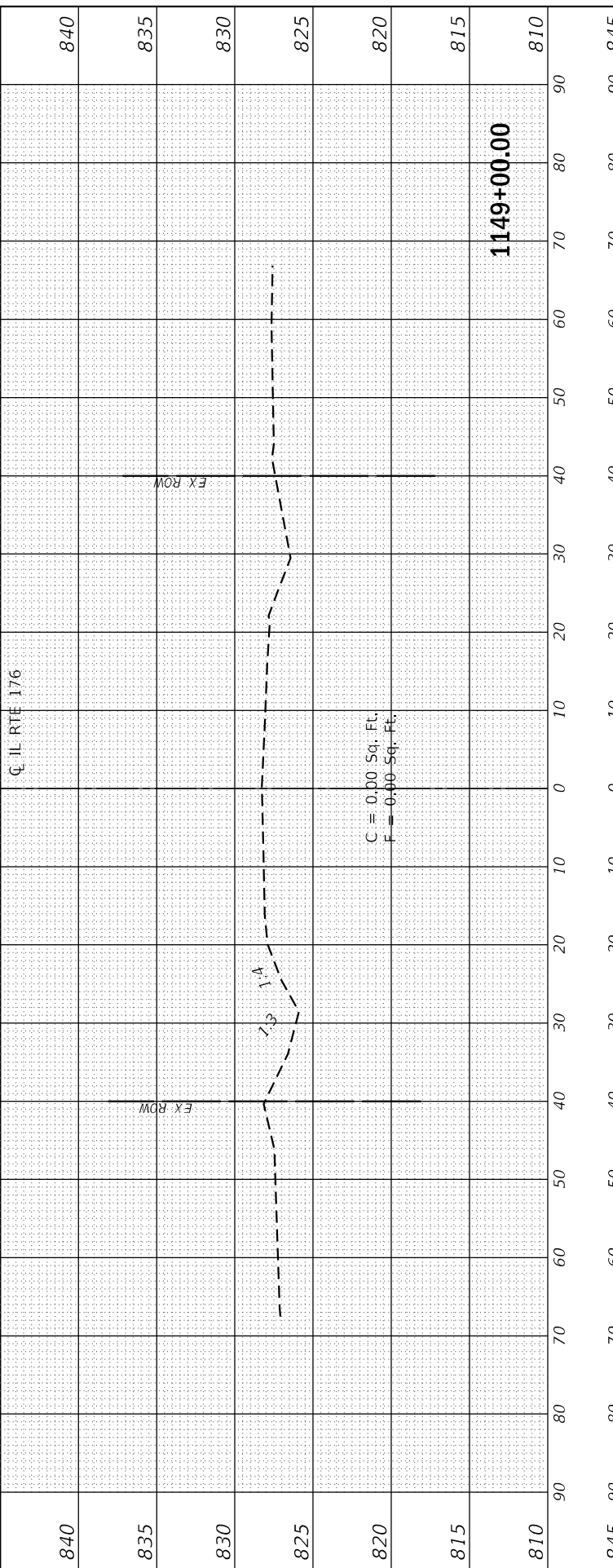
SCALE: SHEET OF SHEETS STA. 1143+00.00 TO STA. 1146+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	258
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	

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

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

MODEL: IL 176-111111 TO 111111  
 FILE NAME: G:\PROJECTS\111111\111111.dgn



USER NAME	= jschumann
DESIGNED	- AB
DRAWN	- AB
CHECKED	- TGM
DATE	- 06-17-2021

REVISIONS	-
REVISIONS	-
REVISIONS	-
REVISIONS	-

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - 15  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)

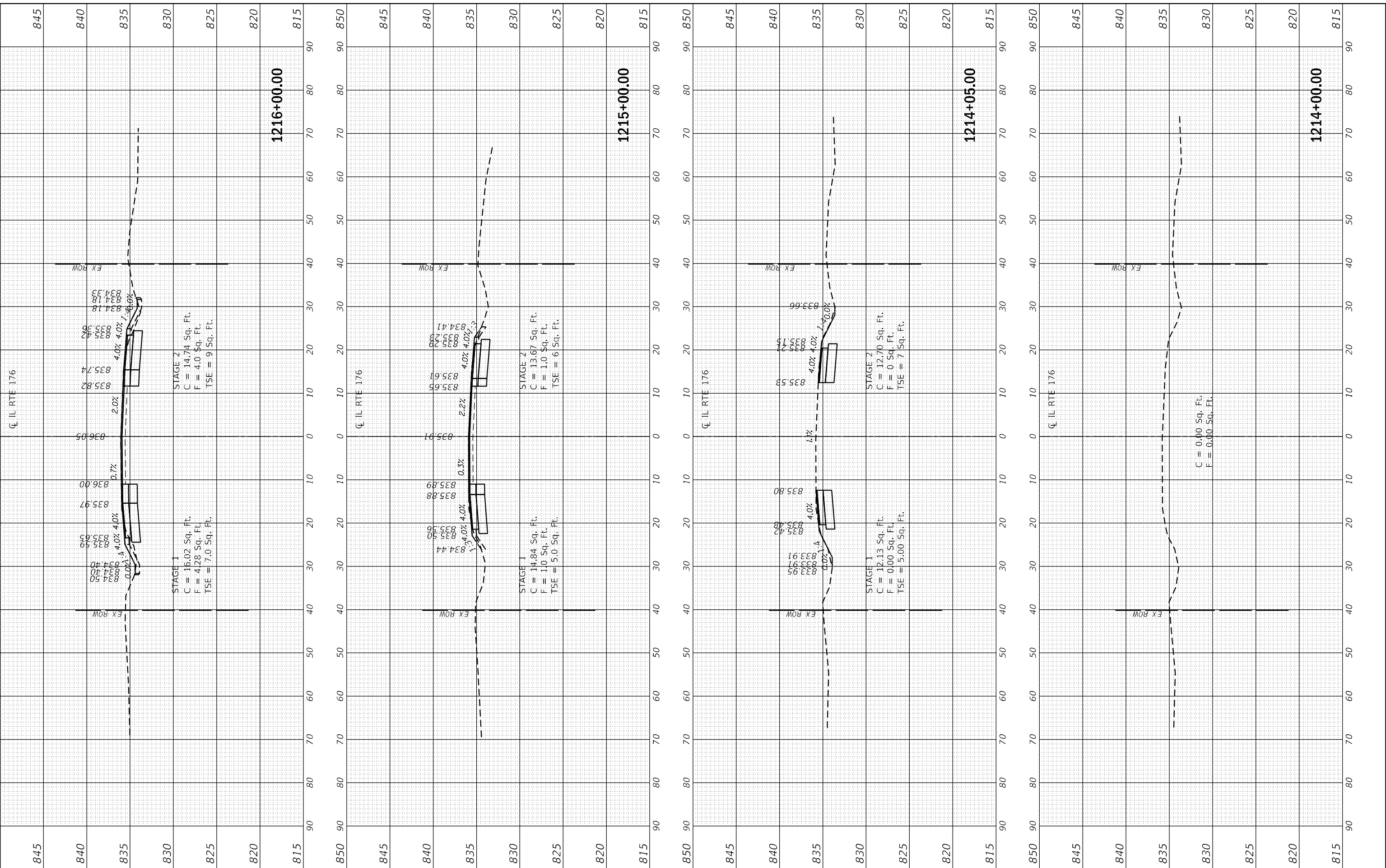
SCALE: SHEET OF SHEETS STA. 1147+00.00 TO STA. 1149+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	259
CONTRACT NO. 62G35			ILLINOIS FED. AID PROJECT	

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

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

MODEL: IL 176-12 TO 130-00  
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USER NAME	= jschumann
PLOT SCALE	= 20.0012' / in.
PLOT DATE	= 6/18/2021

DESIGNED	- AB	REVISED	-
DRAWN	- AB	REVISED	-
CHECKED	- TGM	REVISED	-
DATE	- 06-17-2021	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 16  
IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1214+00.00 TO STA. 1216+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	260
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	

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

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

MODEL: IL 176-1217+00 TO 1219+00  
 FILE NAME: G:\Engineering\Live\Projects\1217+00\DOT IL 176\CADD\CADD Sheets\CADD Sheets\1217+00\1217+00.dgn



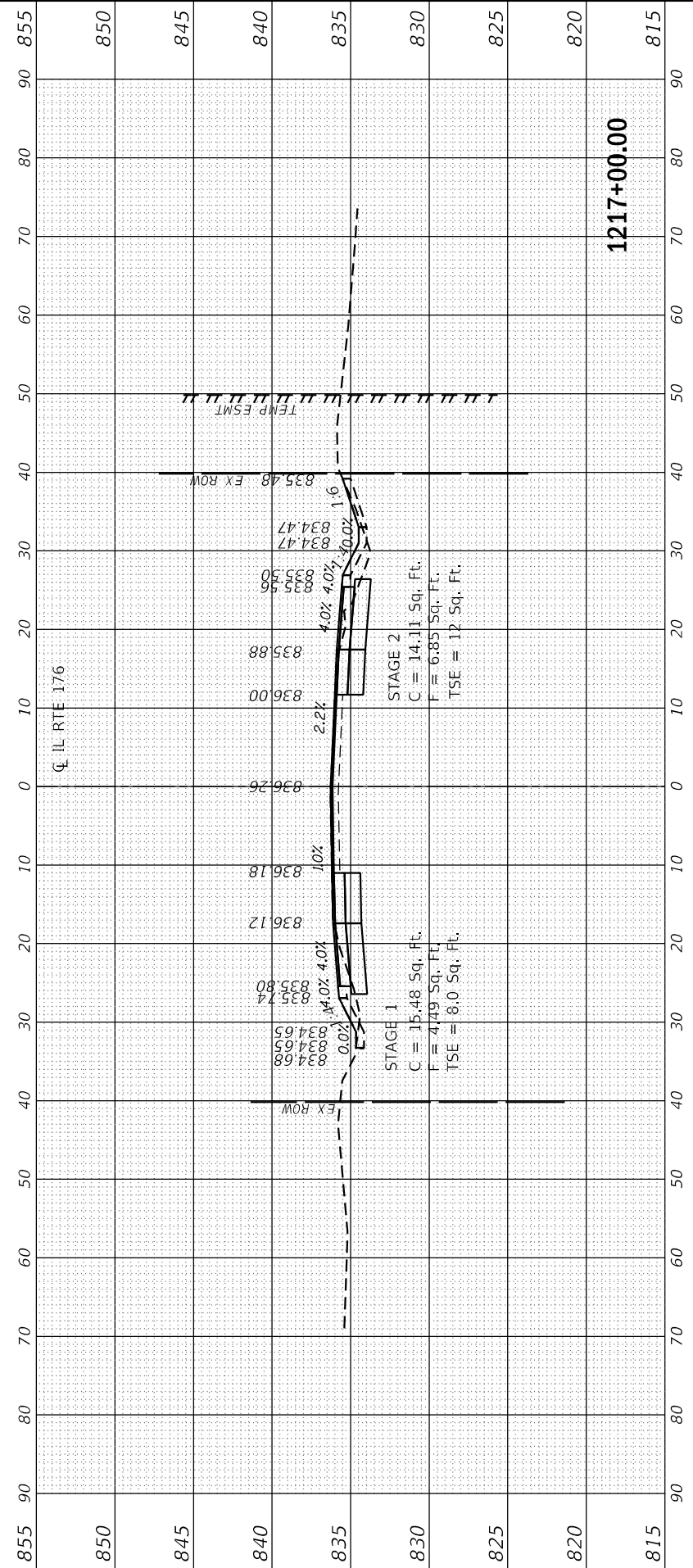
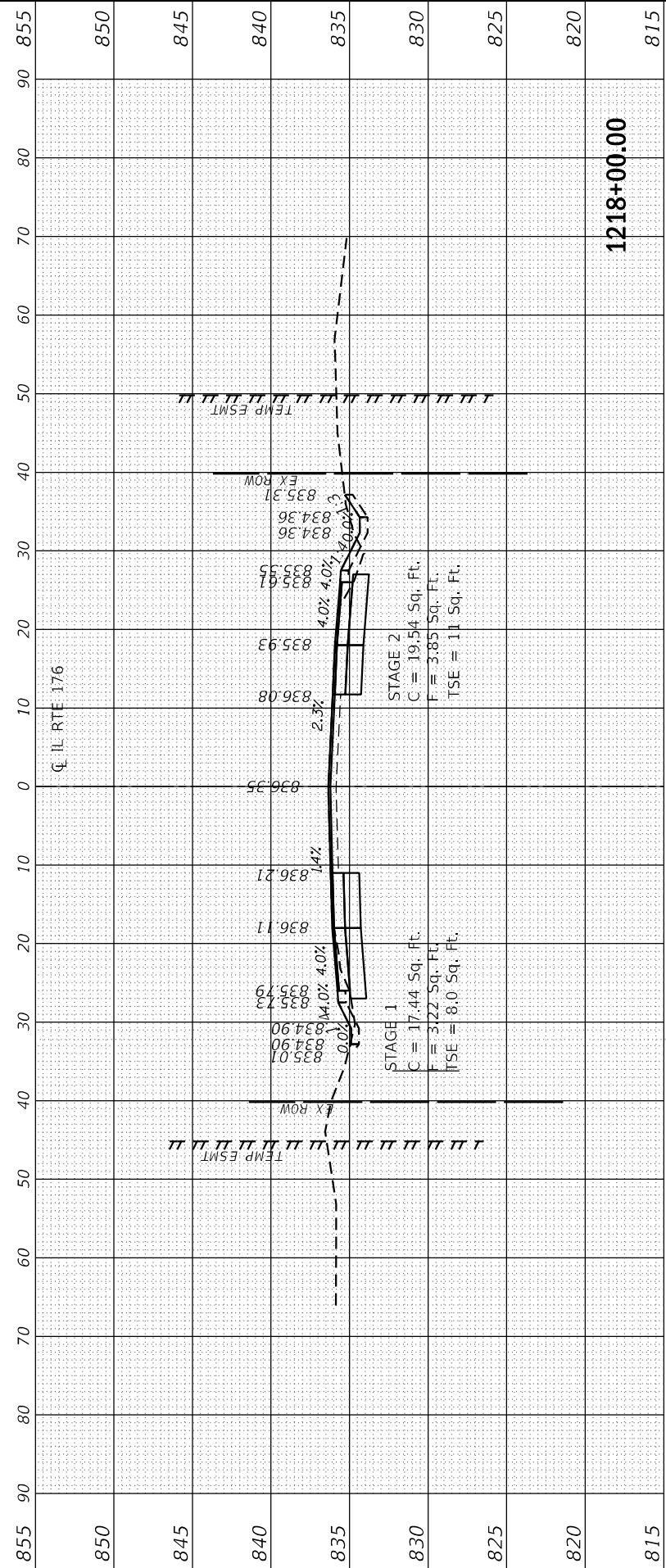
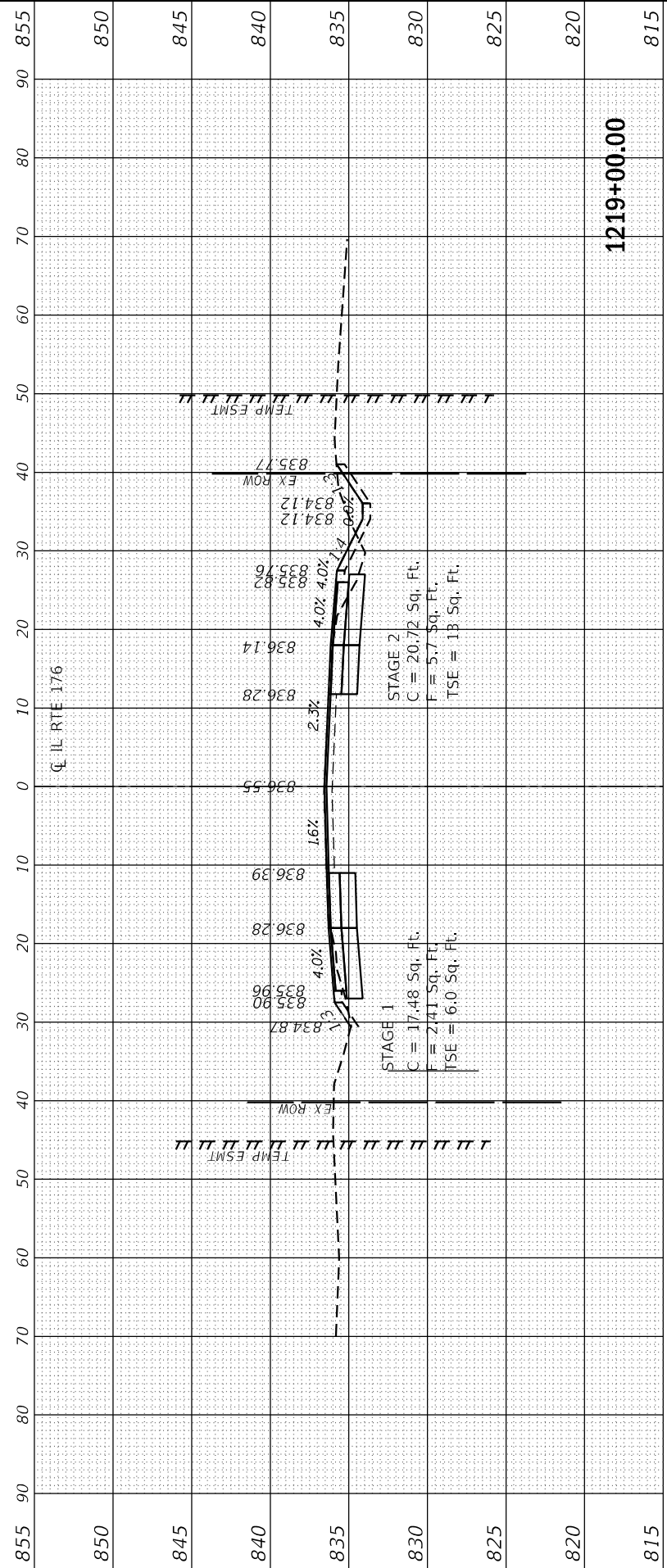
USER NAME = jschumann	DESIGNED - AB	REVISED -
	DRAWN - AB	REVISED -
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 17  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1217+00.00 TO STA. 1219+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 261
ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 62G35		



FINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

MODEL: IL 176-1220+00 TO 1221+00  
 FILE NAME: G:\Engineering\Live\Projects\12045\DOT IL 176\CADD\CADD Sheets\CADD Sheets\CADD Sheets\1220+00 to 1221+00.dgn



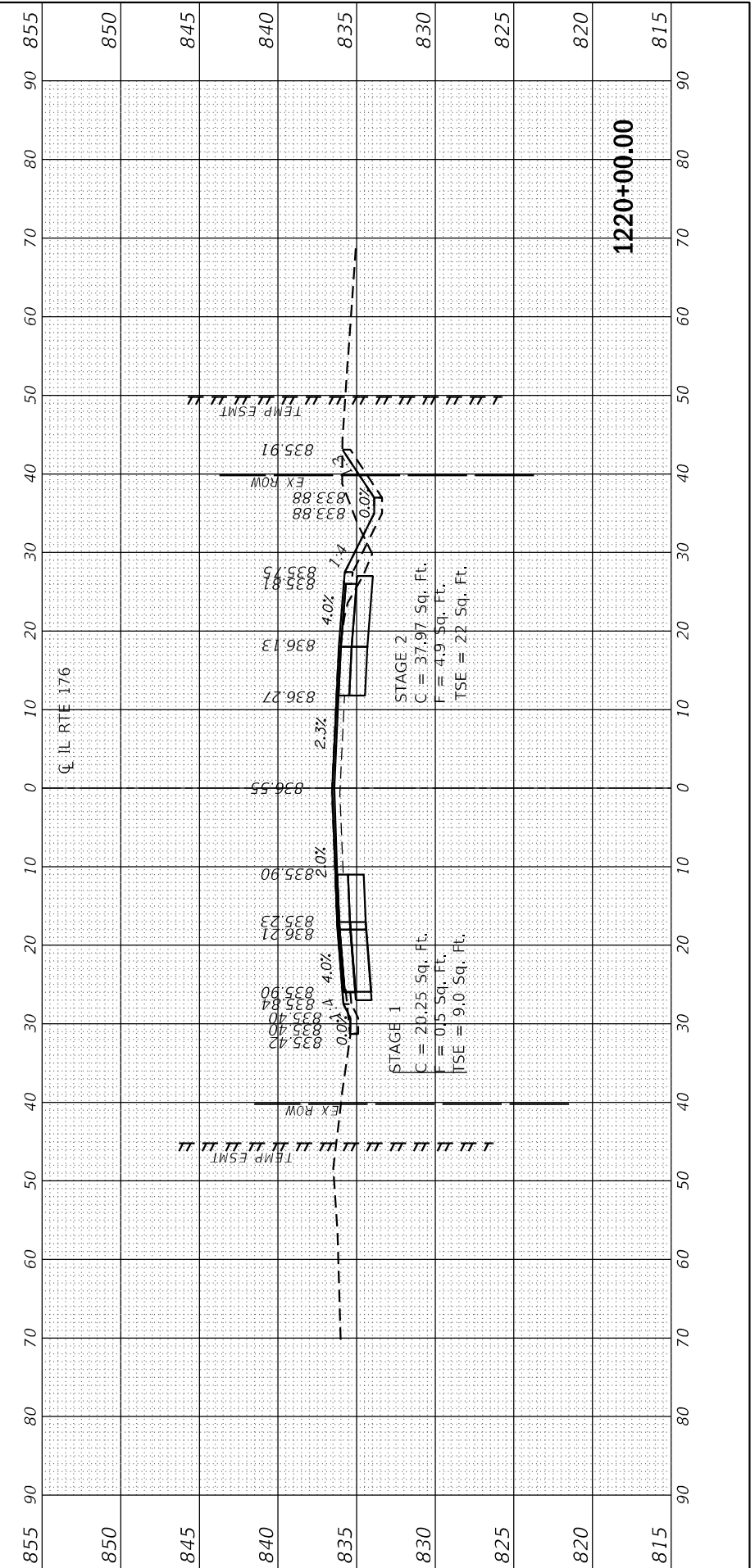
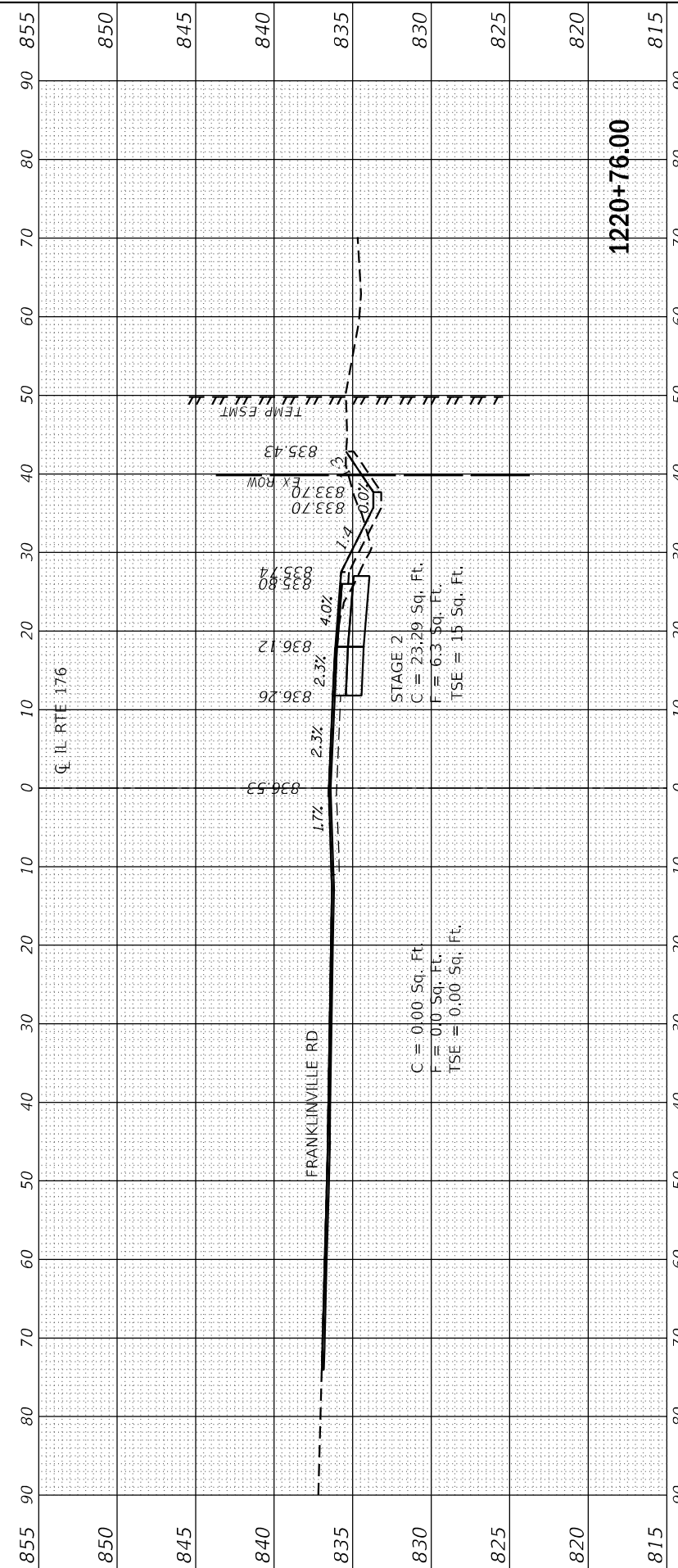
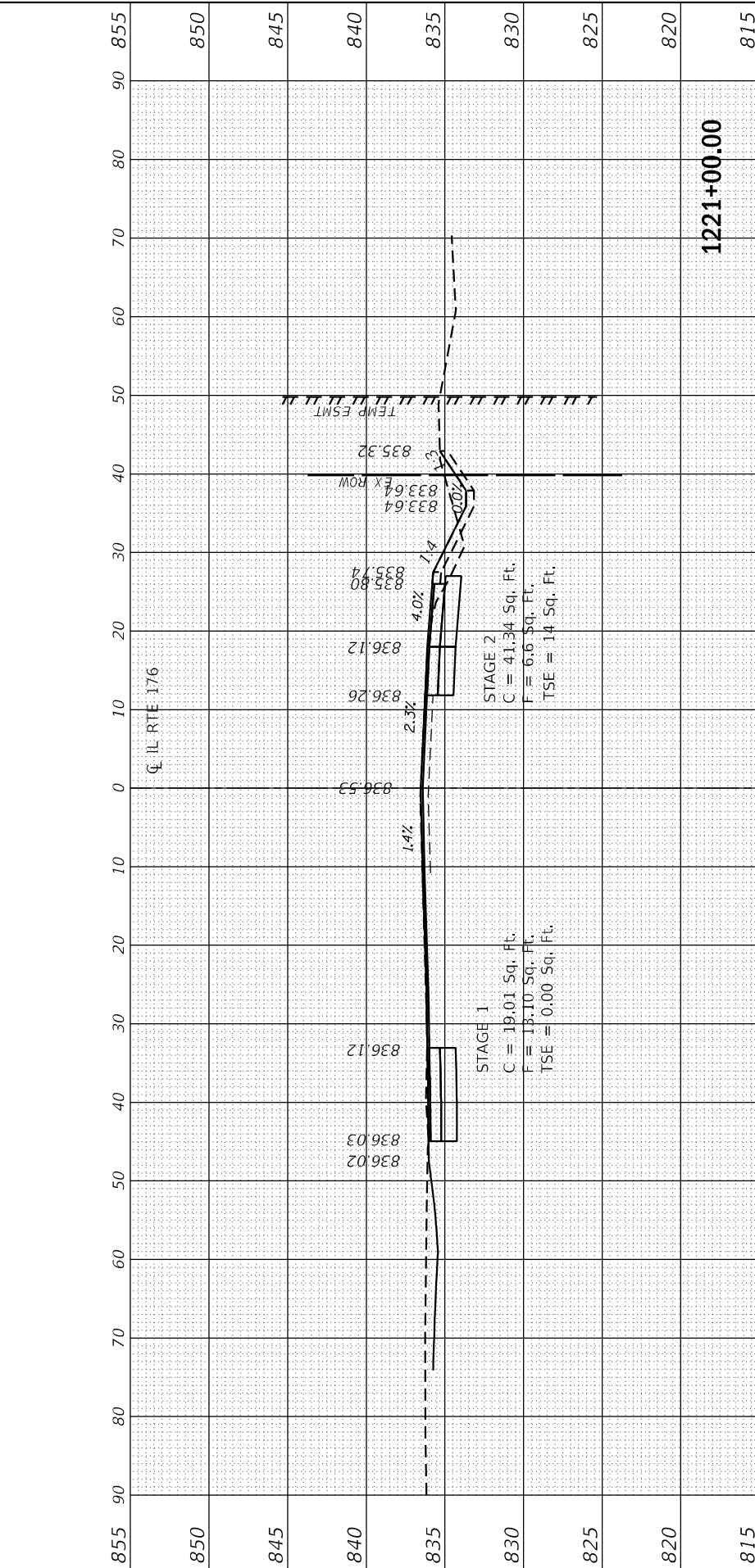
USER NAME = jschumann	DESIGNED - AB	REVISED -
	DRAWN - AB	REVISED -
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 18  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1220+00.00 TO STA. 1221+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 262
ILLINOIS		FED. AID PROJECT		



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

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

MODEL: IL 176-1222+00 TO 1224+00  
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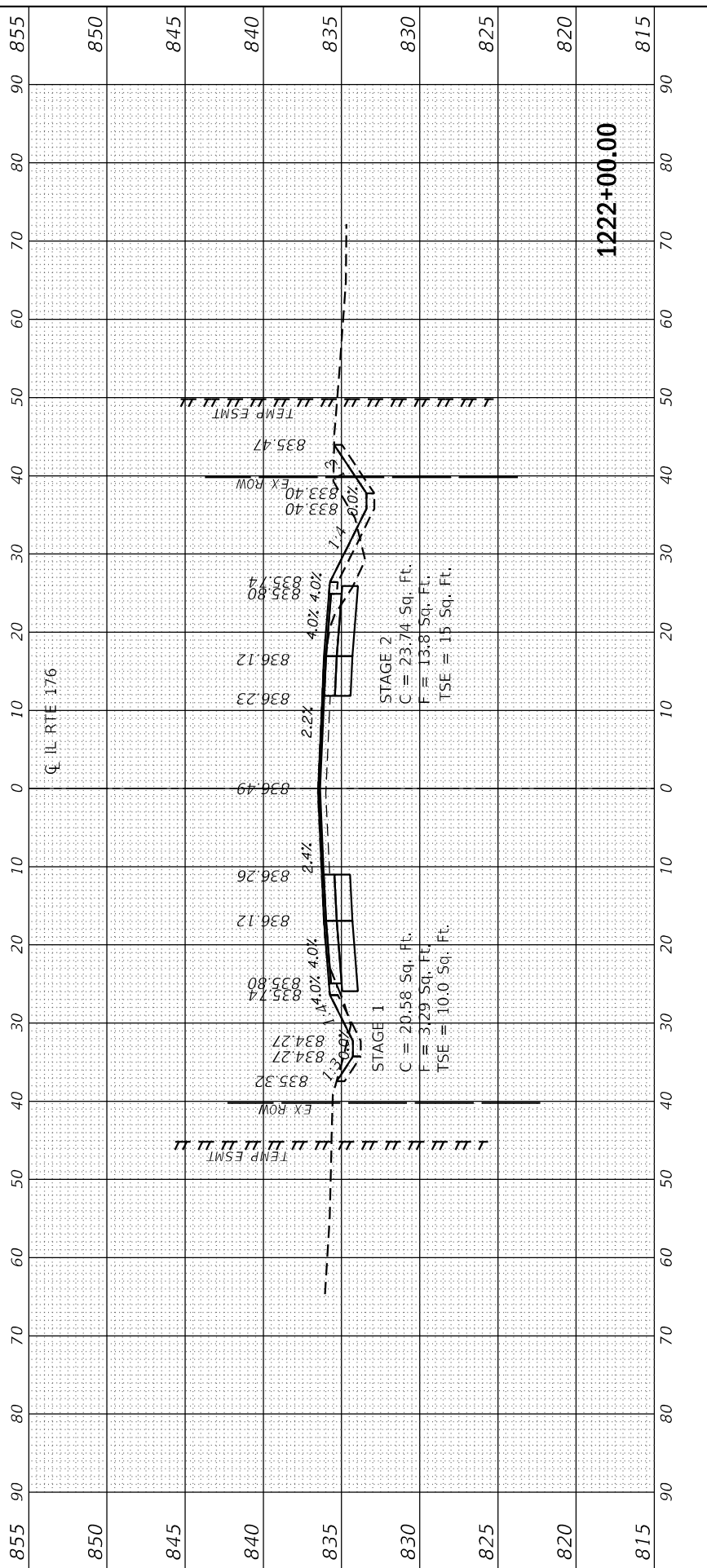
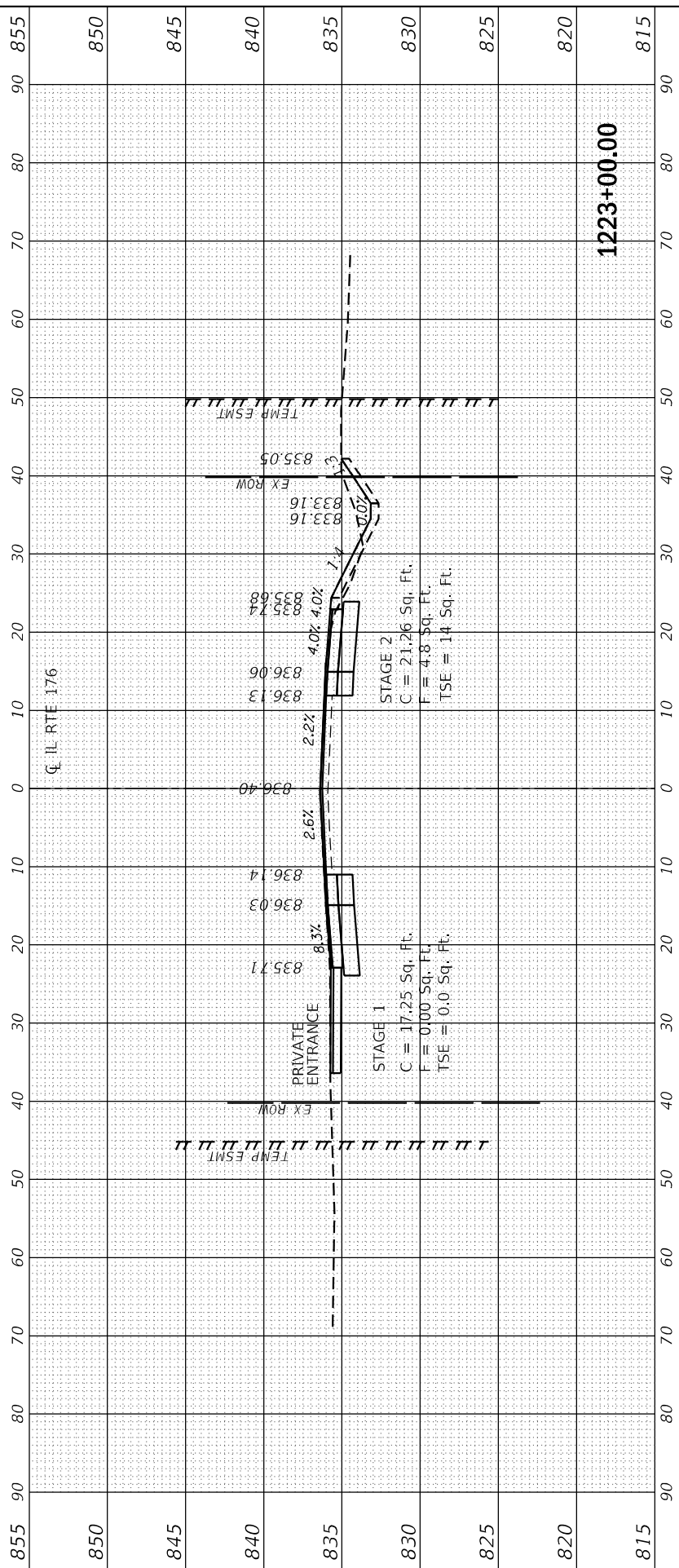
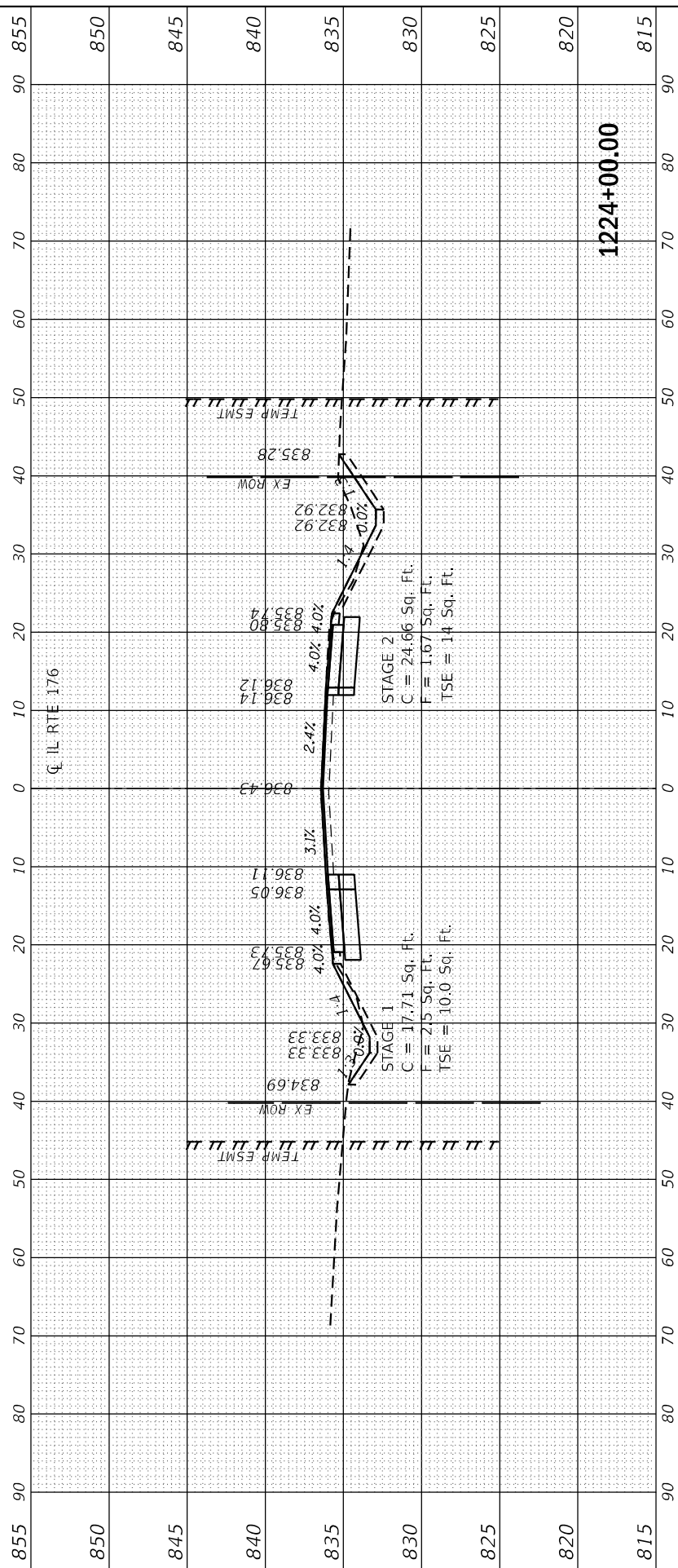


USER NAME = jschumann	DESIGNED - AB	REVISED -
	DRAWN - AB	REVISED -
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS - 19</b>	
<b>IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)</b>	
SCALE:	SHEET OF SHEETS STA. 1222+00.00 TO STA. 1224+00.00

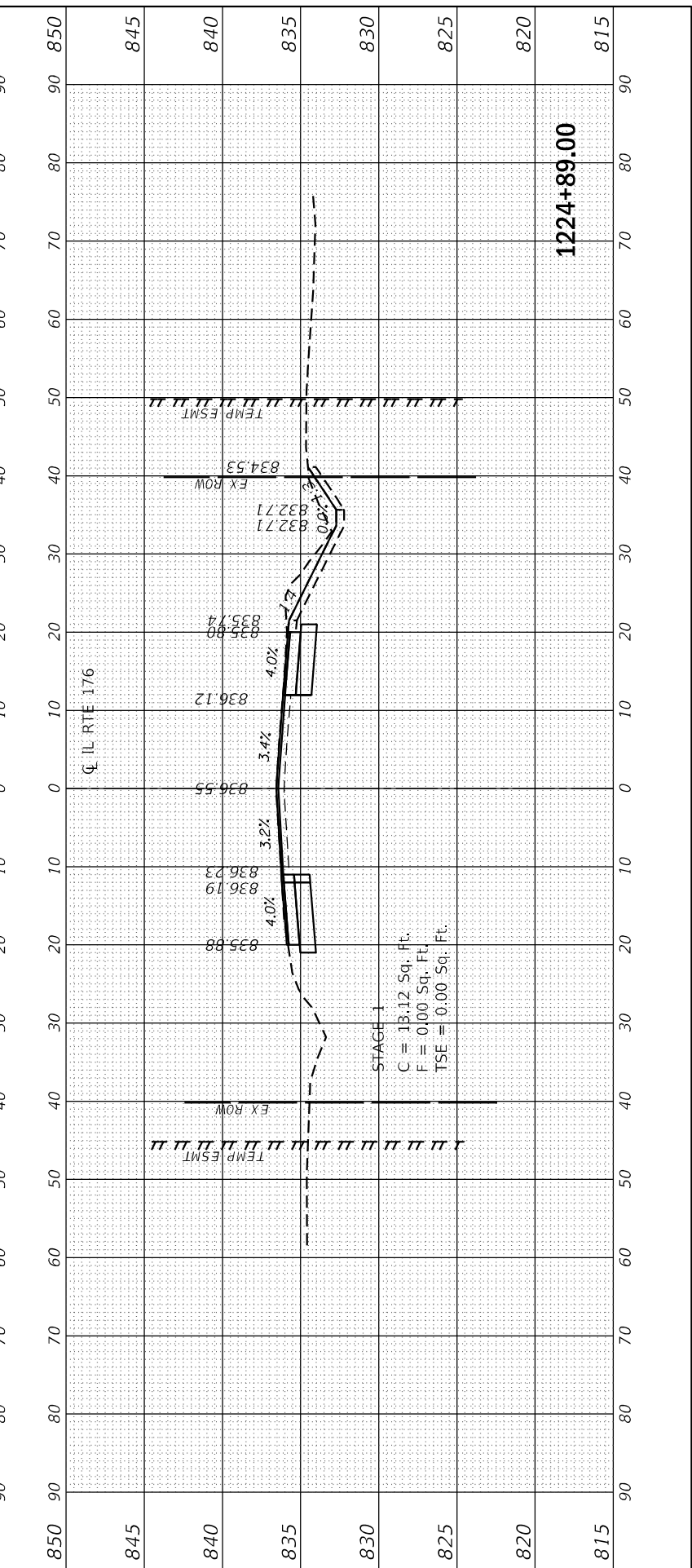
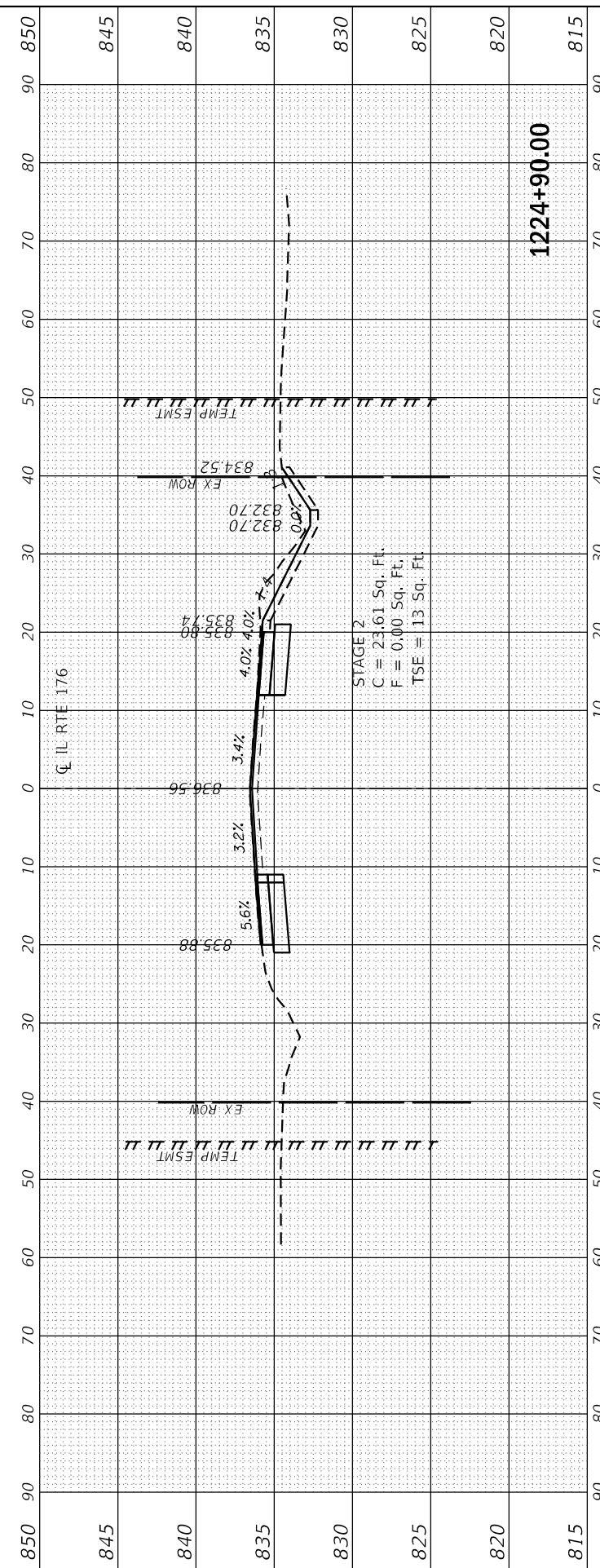
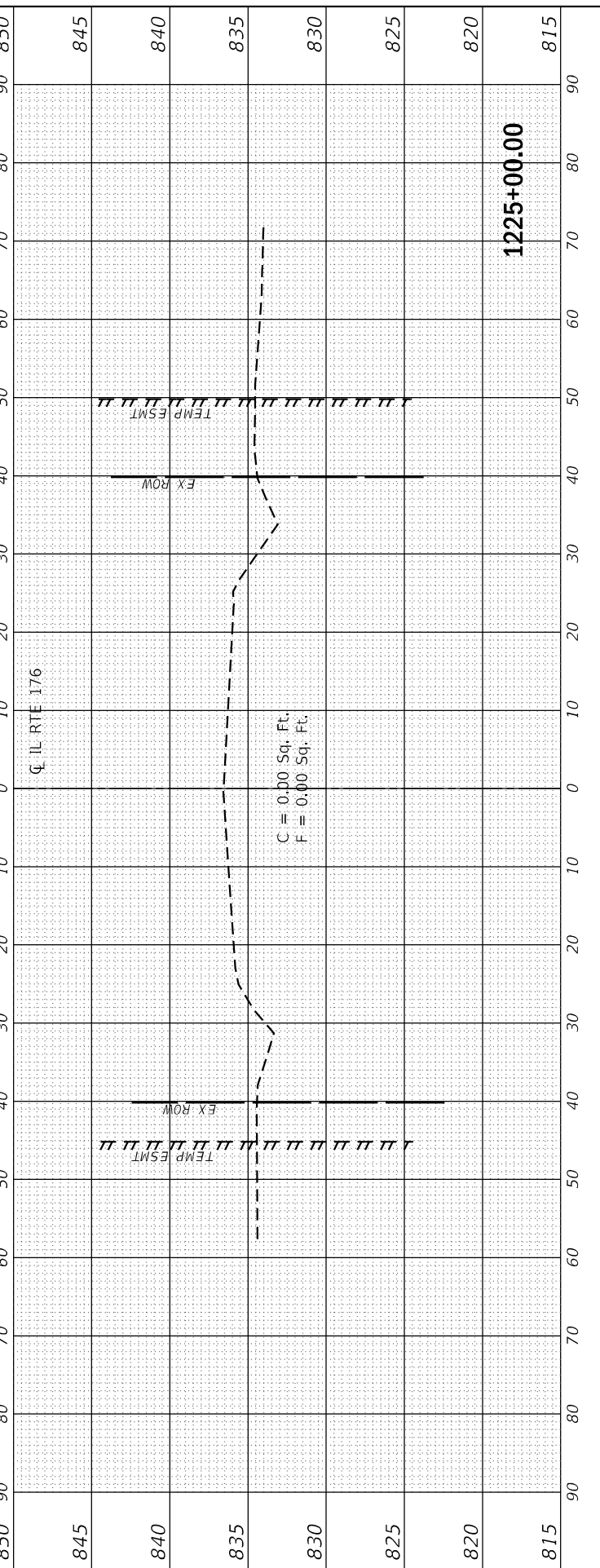
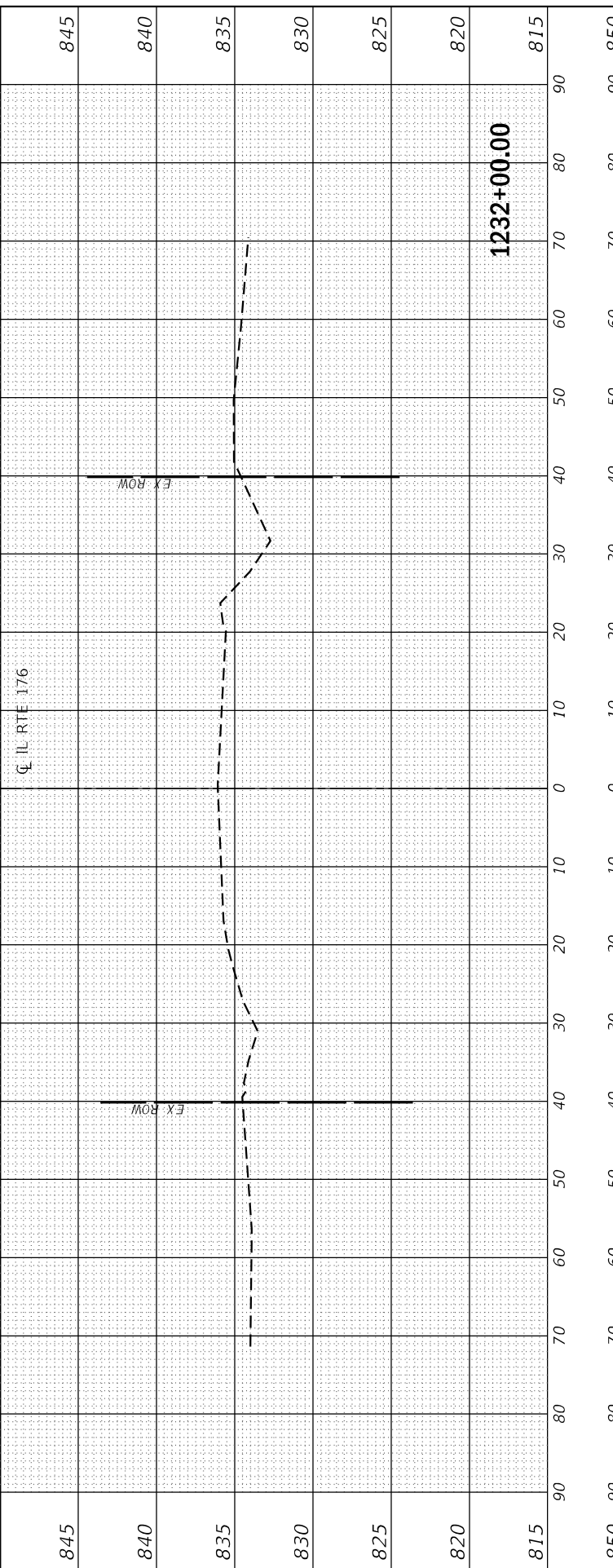
F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 263
ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 62G35		



FINAL SURVEY	SURVEYED	BY	DATE				
NOTE BOOK	PLOTTED						
AREAS	TEMPLATE						
NO.	CHECKED						
20	30	40	50	60	70	80	90

ORIGINAL SURVEY	SURVEYED	BY	DATE			
NOTE BOOK	PLOTTED					
AREAS	TEMPLATE					
NO.	CHECKED					
30	40	50	60	70	80	90

MODEL: IL 176-1232+00  
 FILE NAME: G:\176\1232+00\176-1232+00.dwg



USER NAME	= jschumann
PLOT SCALE	= 20,0012' / in.
PLOT DATE	= 6/18/2021

DESIGNED	- AB
DRAWN	- AB
CHECKED	- TGM
DATE	- 06-17-2021

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 20  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1224+89.00 TO STA. 1232+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	264
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



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

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

MODEL: IL 176-1232+10 TO 1234+00  
 FILE NAME: C:\Engineering\LiveProjects\12045\DOT IL 176\CADD\CADD Sheets\CADD187633-hc-x5\_1003-141.dgn



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DRAWN	- AB
PLOT SCALE	= 20.0012" / in.
PLOT DATE	= 6/18/2021

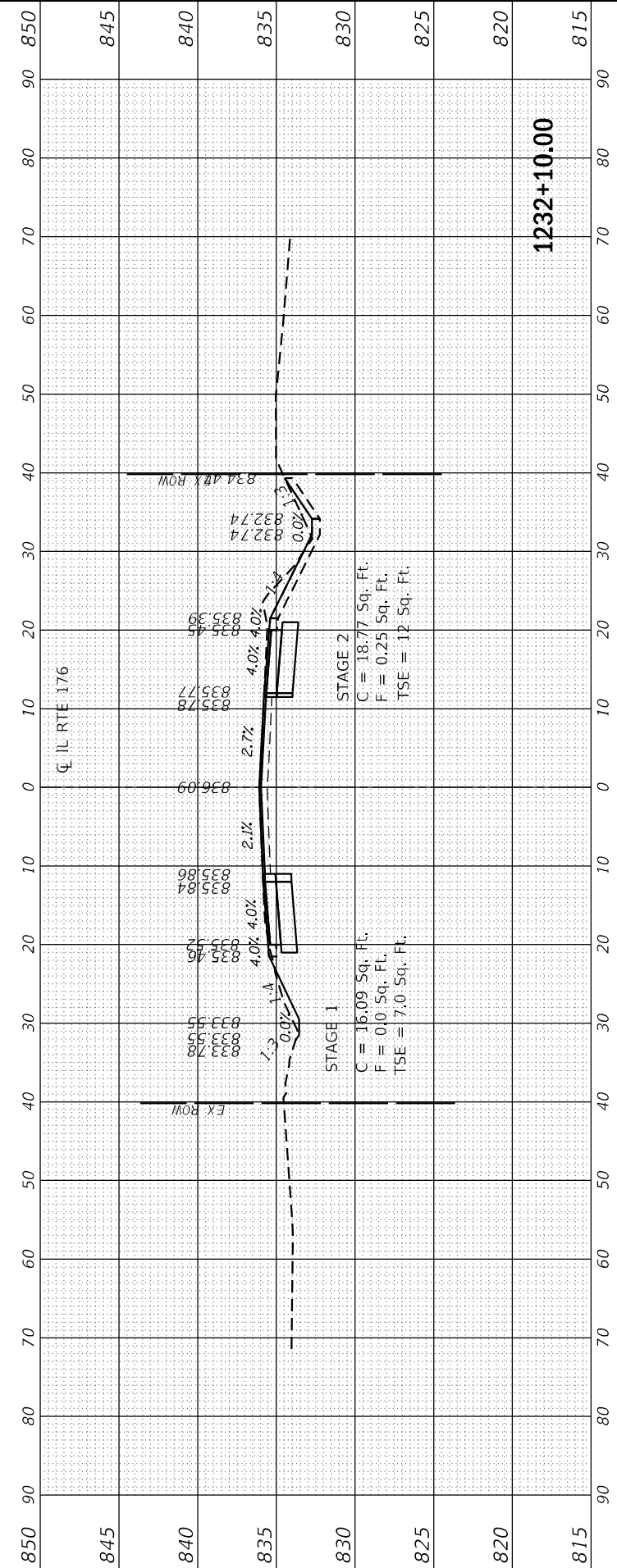
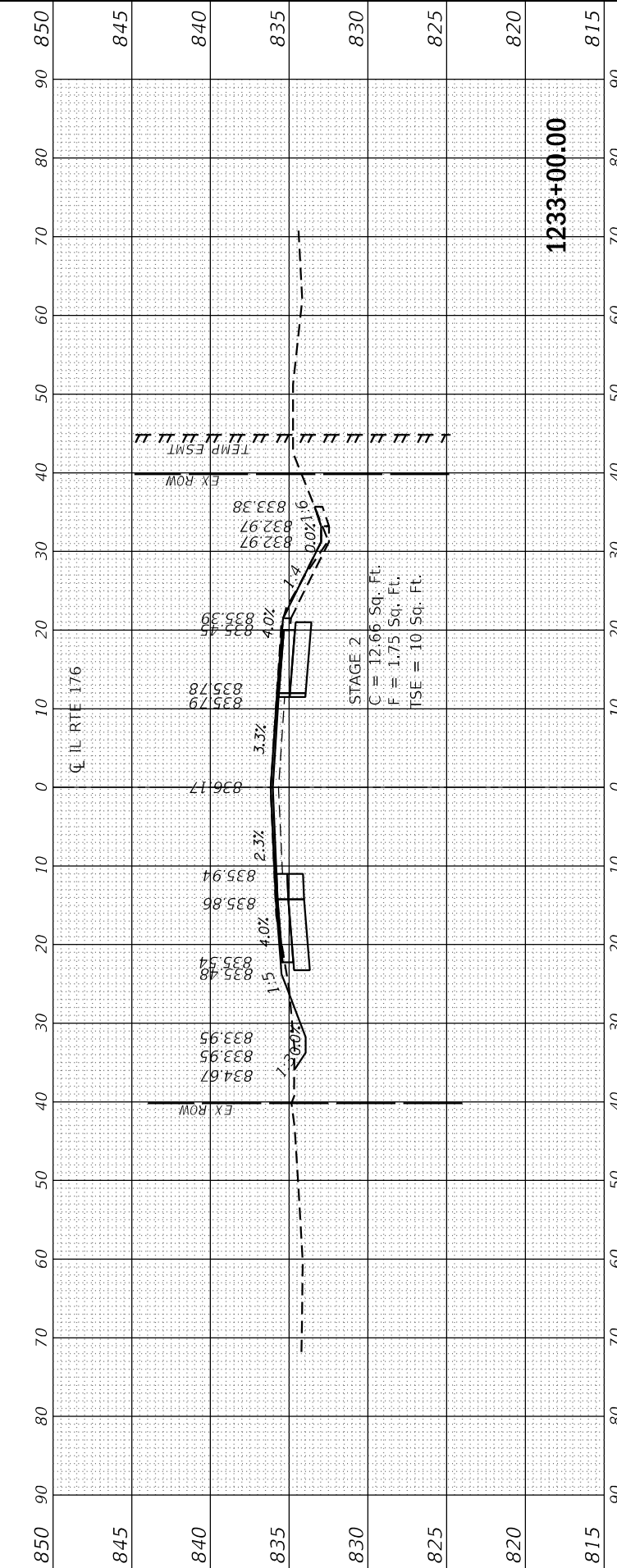
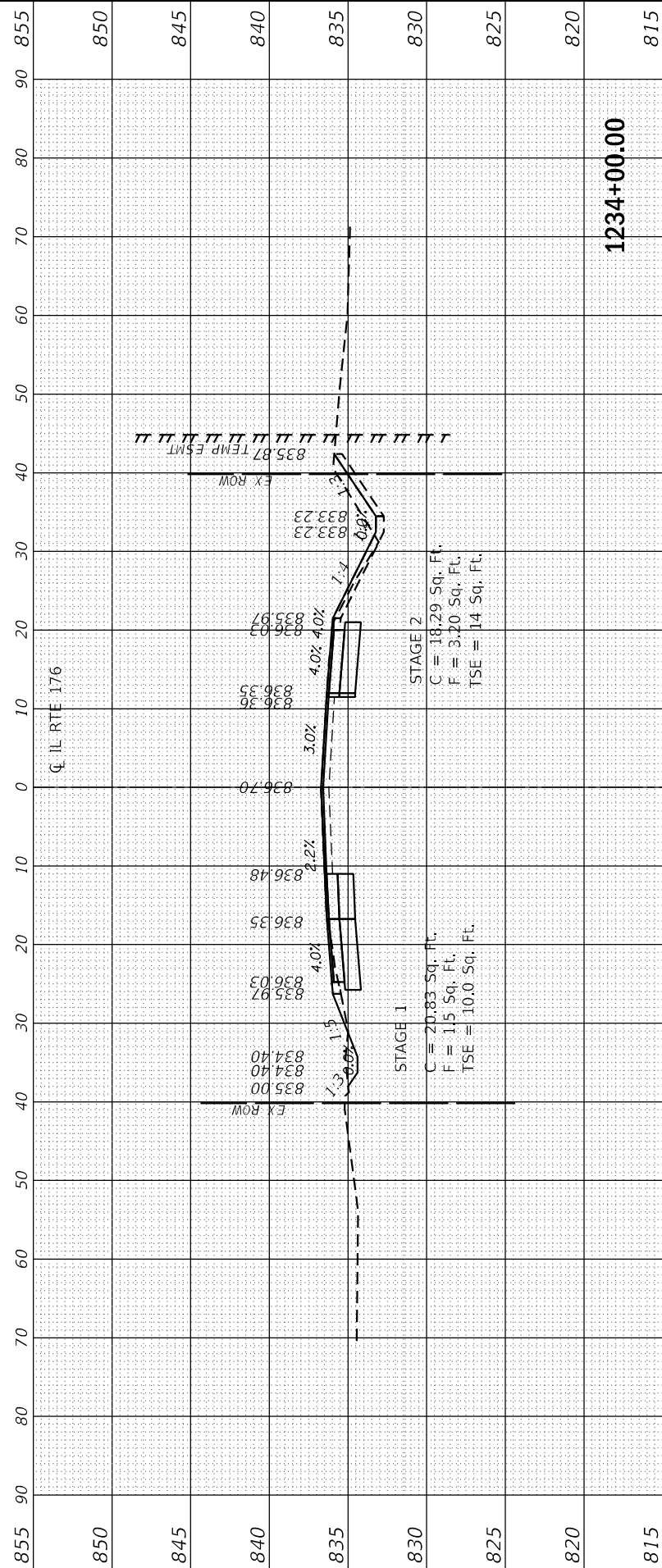
REVISOR	-
REVISION	-
REVISION	-
REVISION	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 21  
IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1232+10.00 TO STA. 1234+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	265
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



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

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

MODEL: IL 176-1235+00 TO 1237+00  
 FILE NAME: G:\Engineering\Live\Projects\1235\DOT IL 176\CADD\CADD Sheets\CADD Sheets\CADD Sheets\1235-1411.dgn



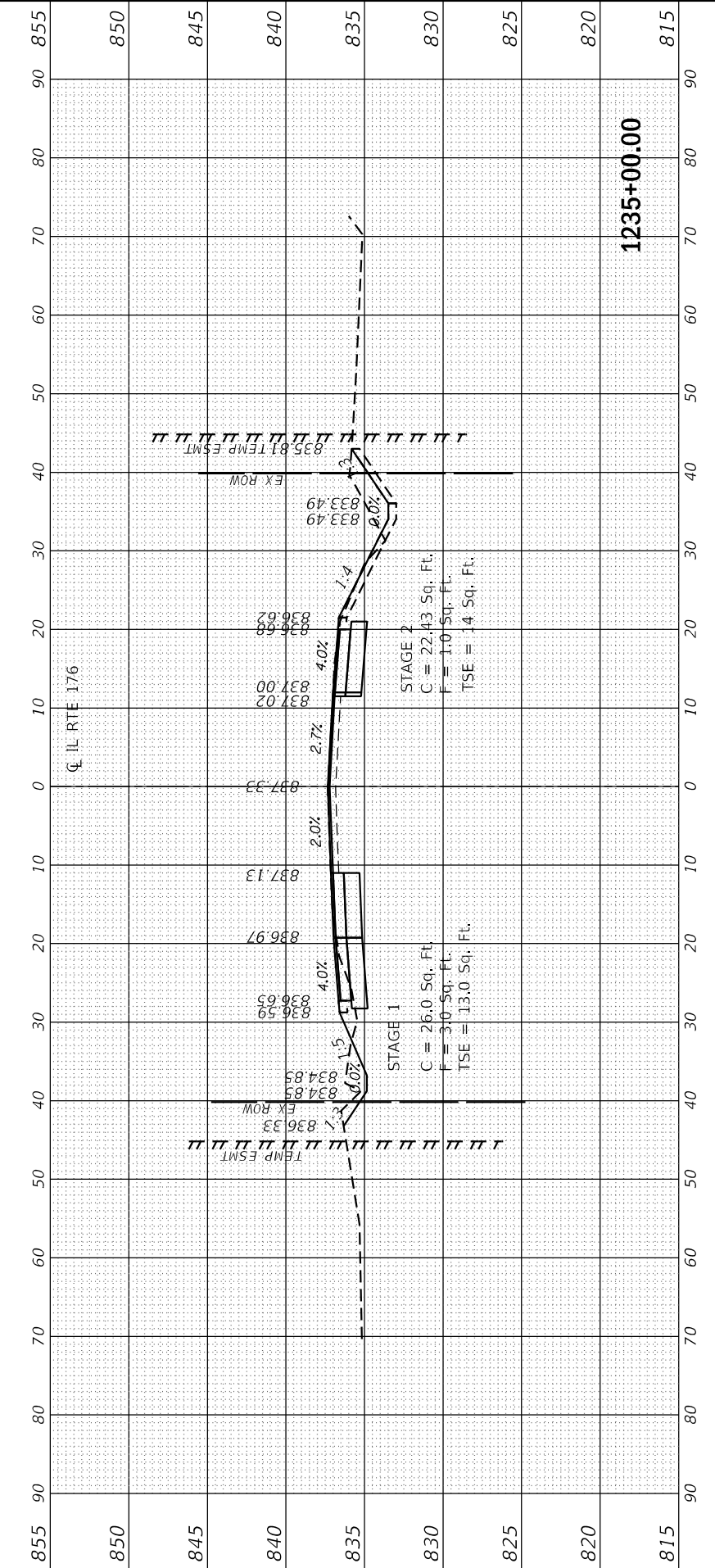
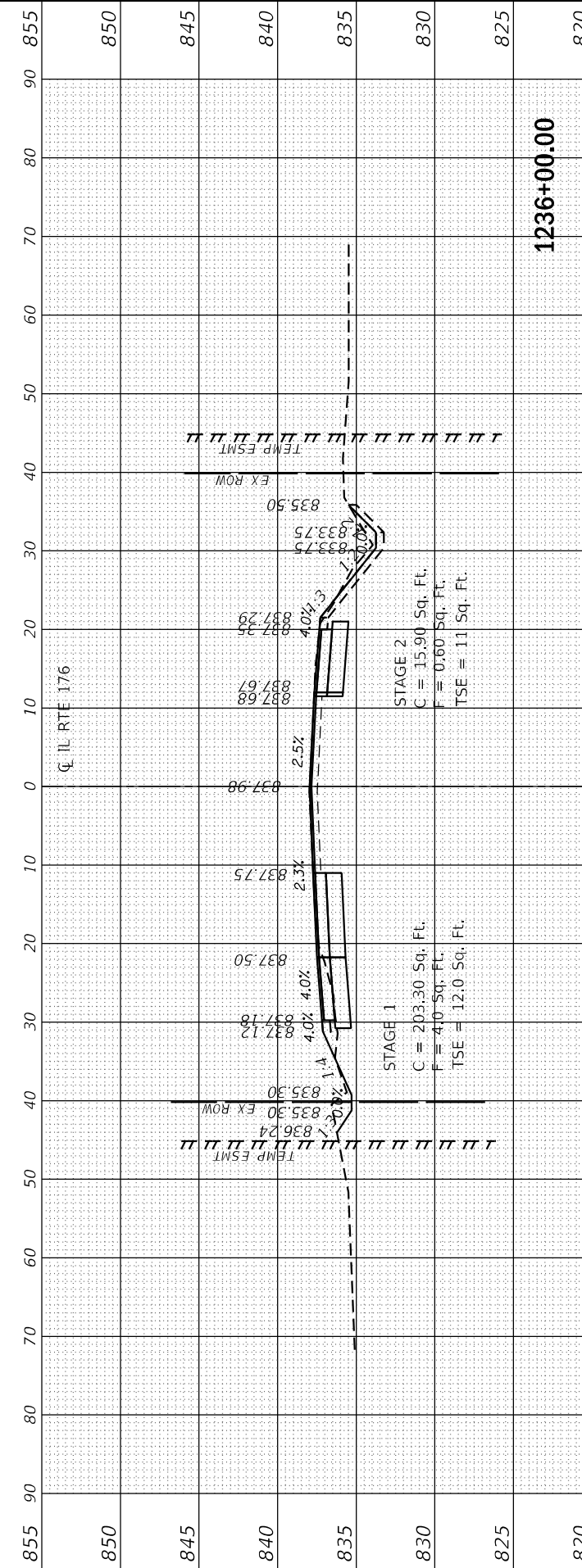
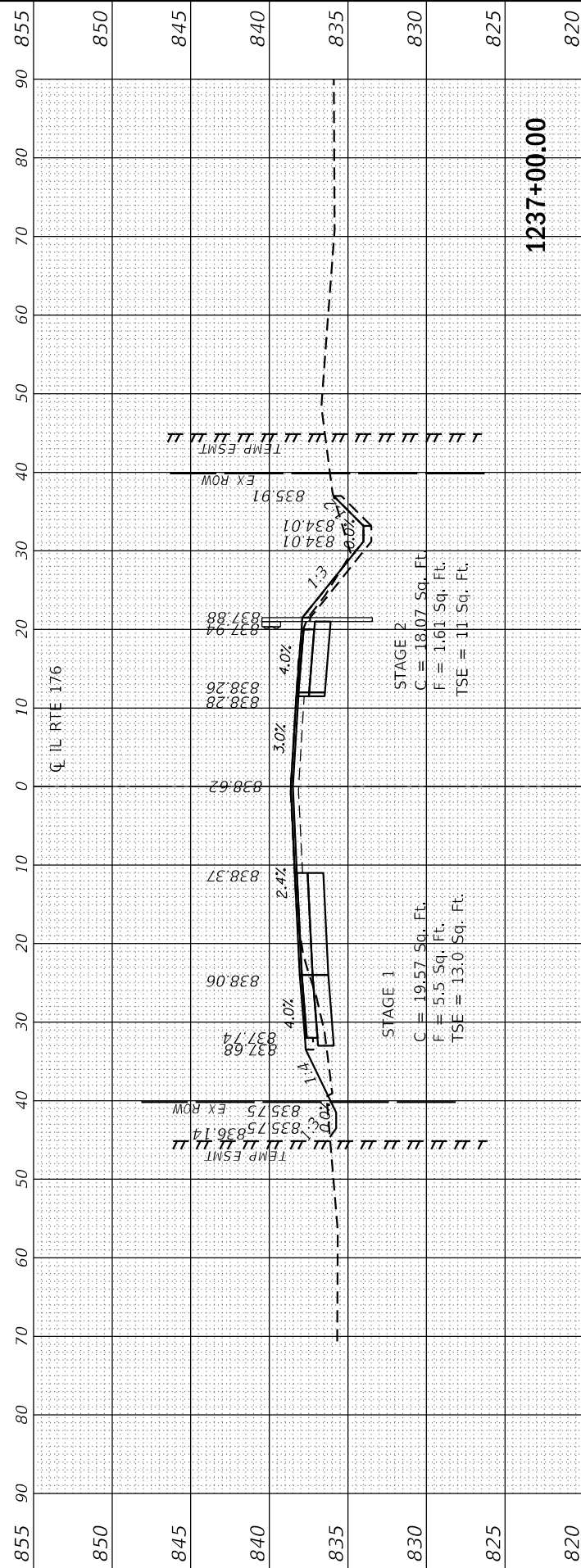
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	DRAWN - AB	REVISED -
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PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 22  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1235+00.00 TO STA. 1237+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 266
ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 62G35		



FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	DATE
BY		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	DATE
BY		

MODEL: IL 176-1237+49 TO 1239+00  
 FILE NAME: G:\Engineering\Live\Projects\12045\DOT IL 176\CADD\CADD Sheets\CADD12045-Sheets-1003-1411.dgn



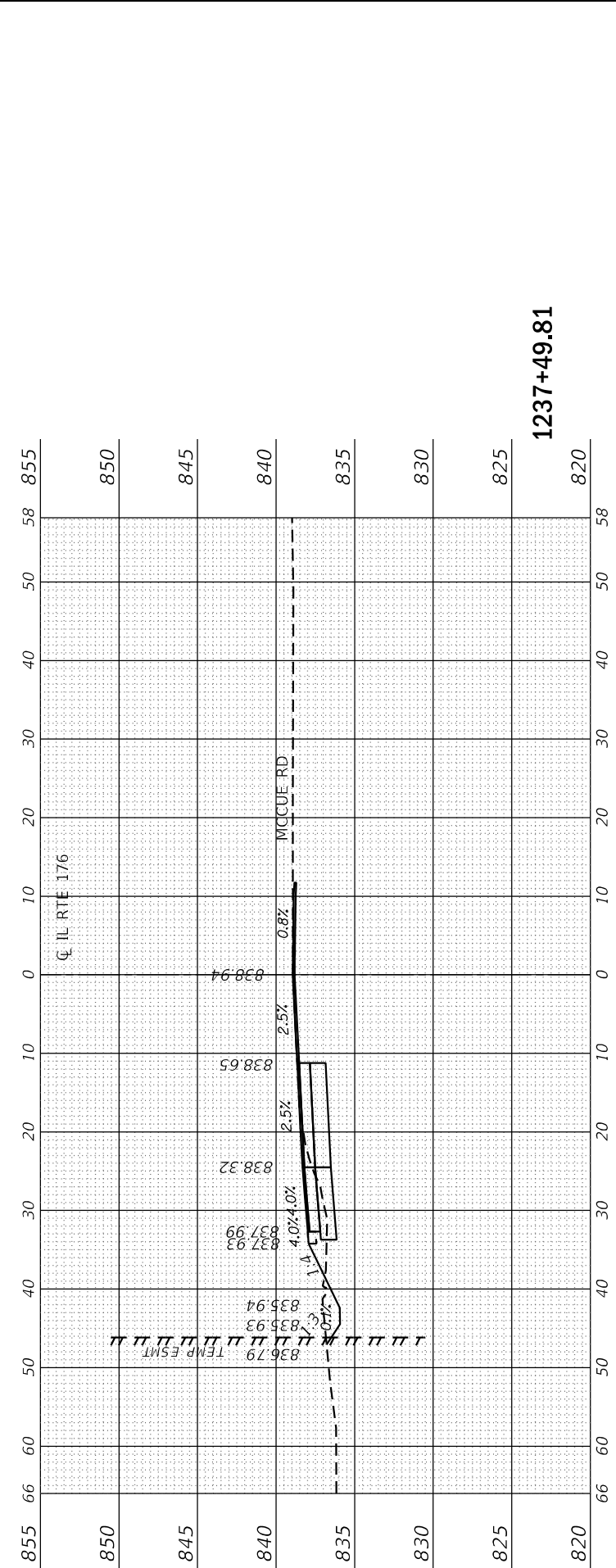
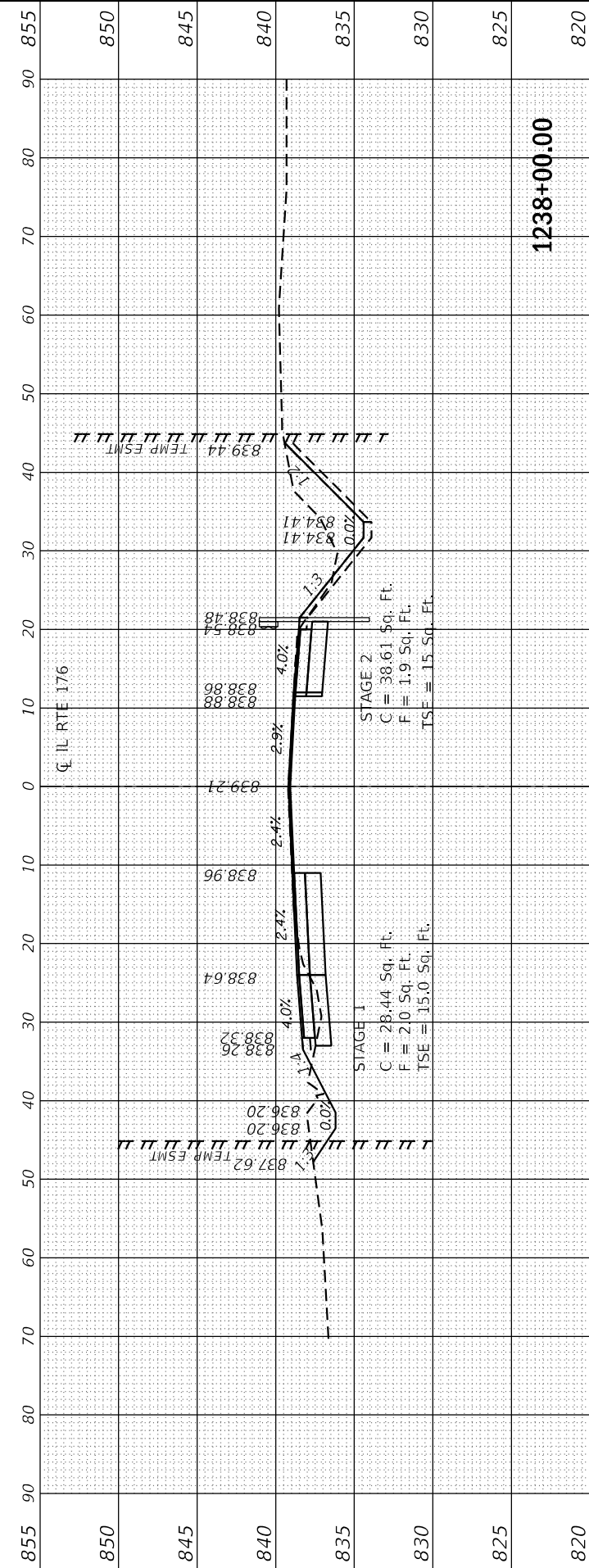
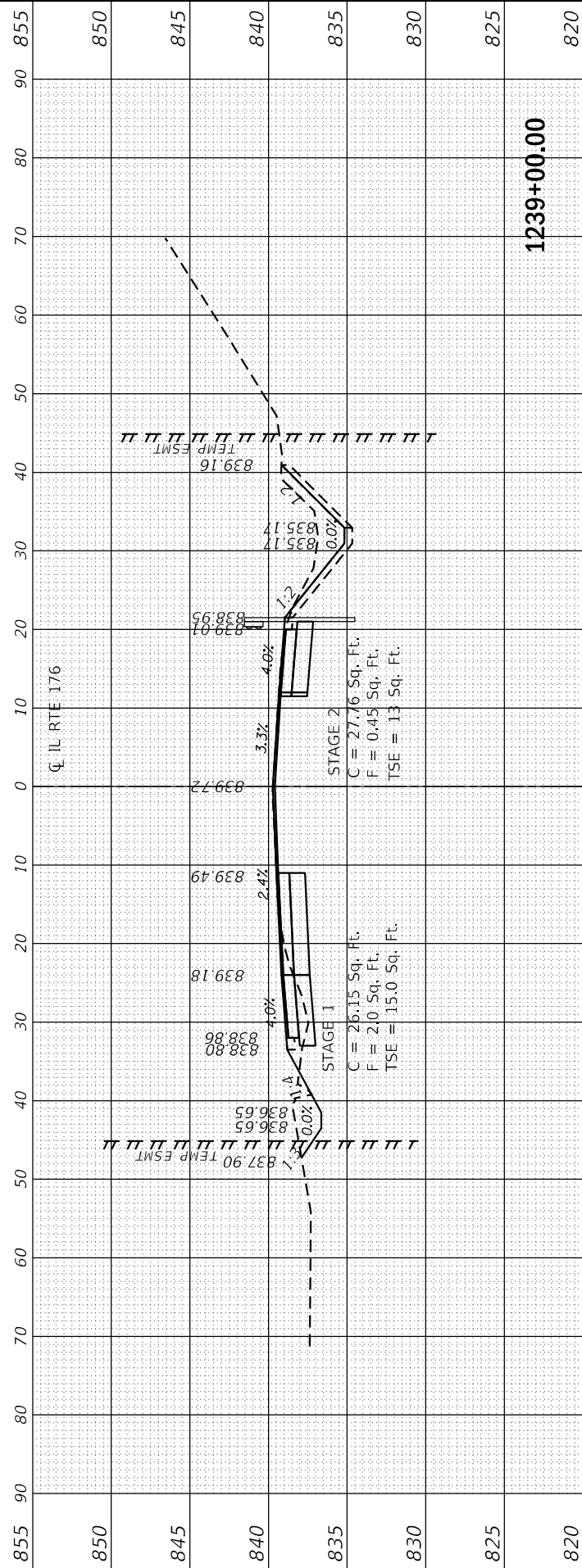
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DRAWN - AB	REVISED -	
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 23  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1237+49.81 TO STA. 1239+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 267
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



1237+49.81

1238+00.00

1239+00.00

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

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

MODEL: IL 176-1240+00 TO 1242+00  
 FILE NAME: G:\Engineering\Live\Projects\176\176\CADD\CADD\_Sheets\CADD\_Sheets\176G35-shc-XS\_1003-1411.dgn



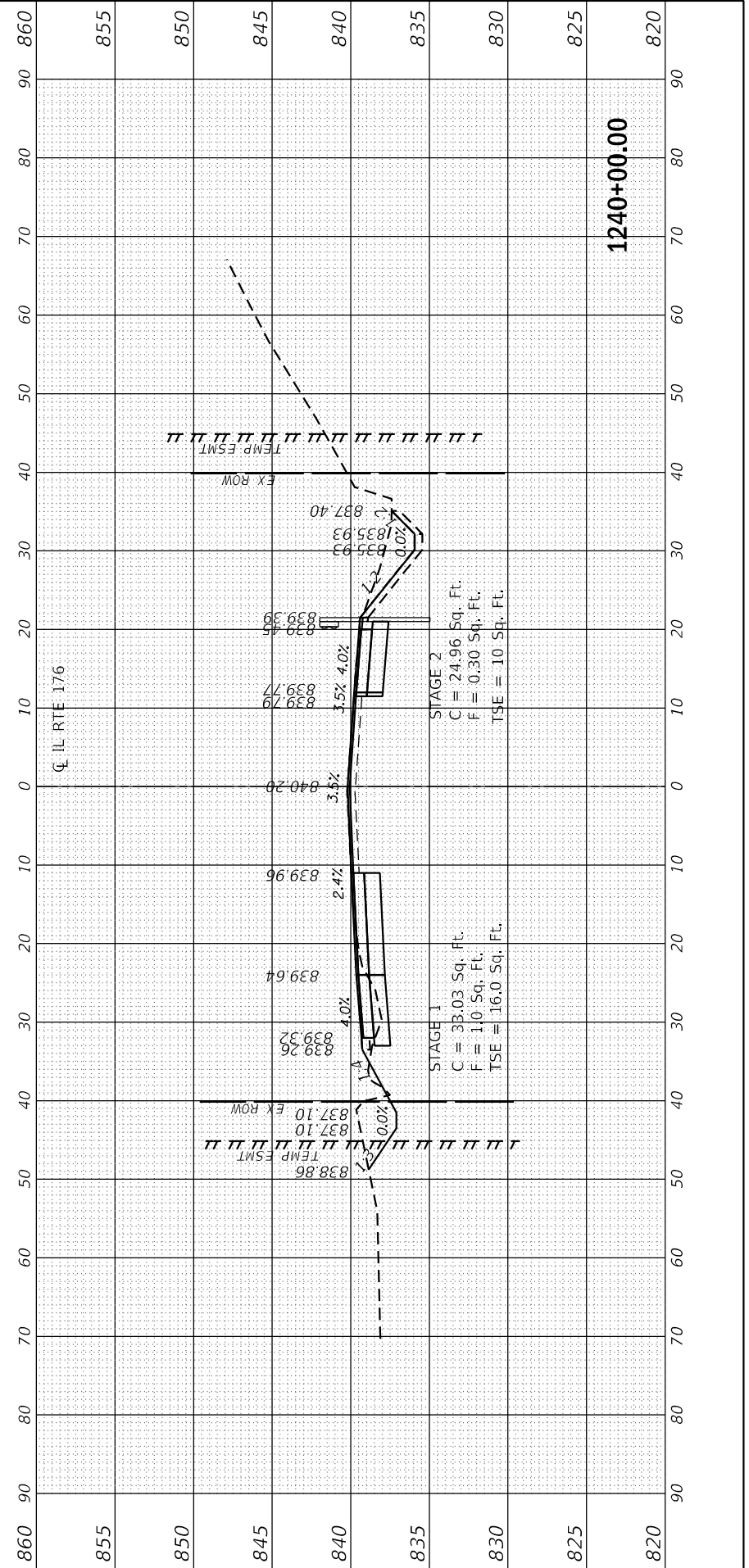
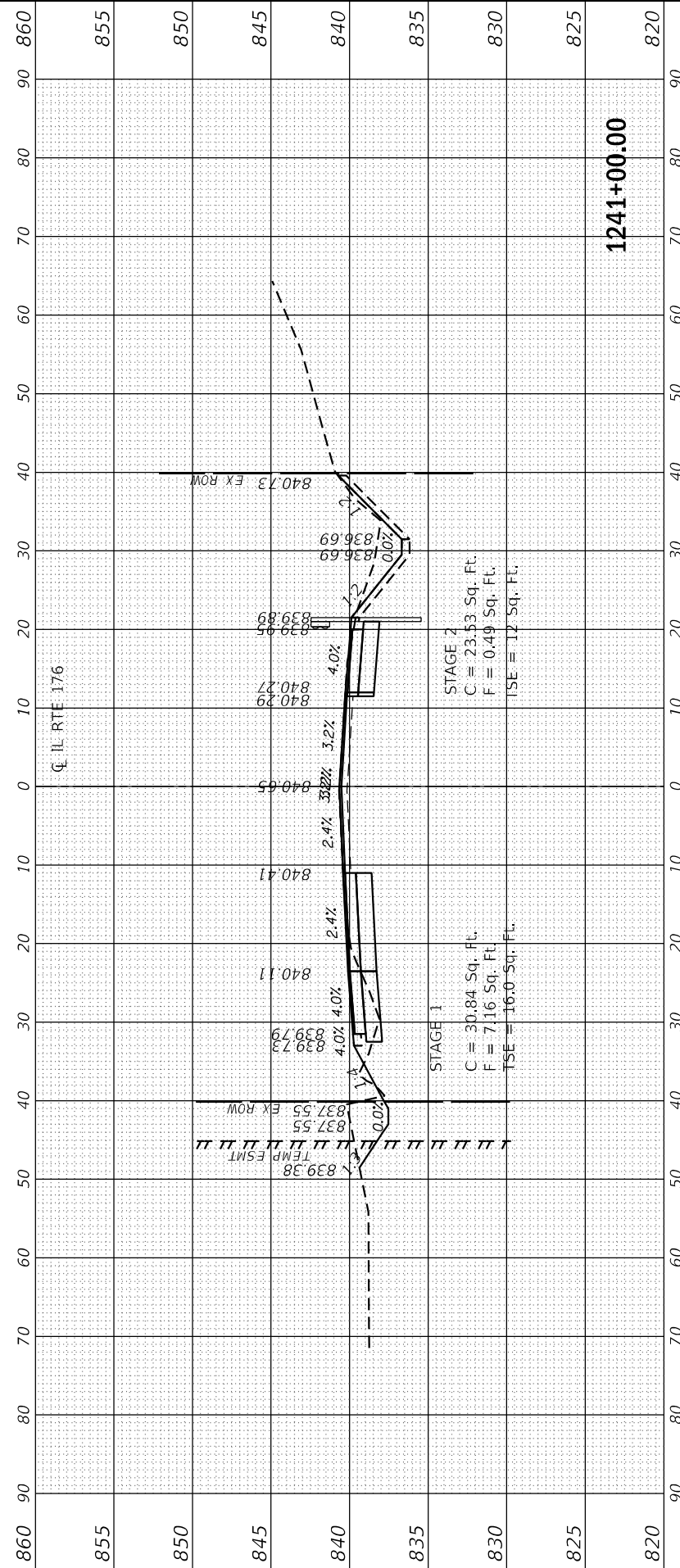
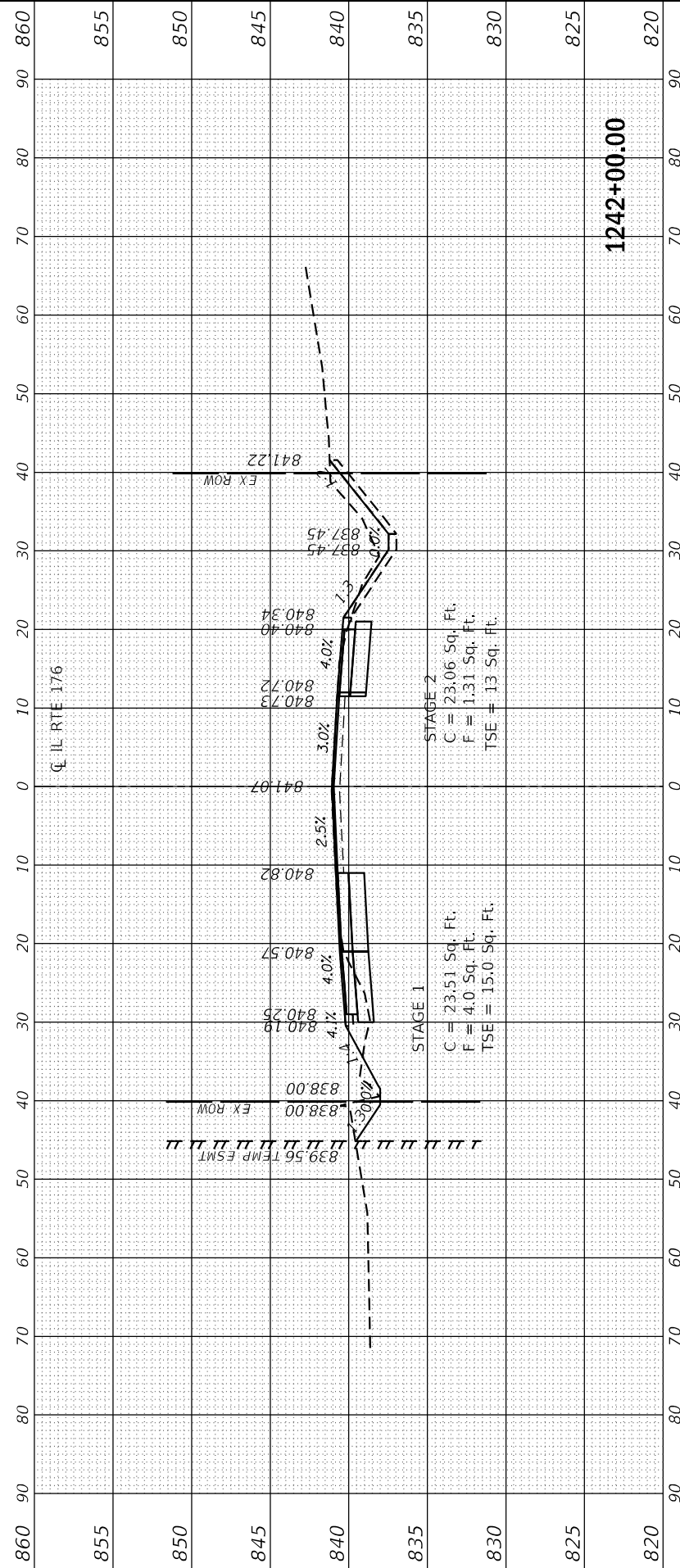
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	DRAWN - AB	REVISED -
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 24  
IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1240+00.00 TO STA. 1242+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 268
ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 62G35		



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

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

MODEL: IL 176-1243+00 TO 1245+00  
 FILE NAME: C:\Engineering\Live\Projects\1243+00\176\CADD\CADD\_Sheets\CADD\_Sheets\CADD187633-shc-XS\_1003-141.dgn



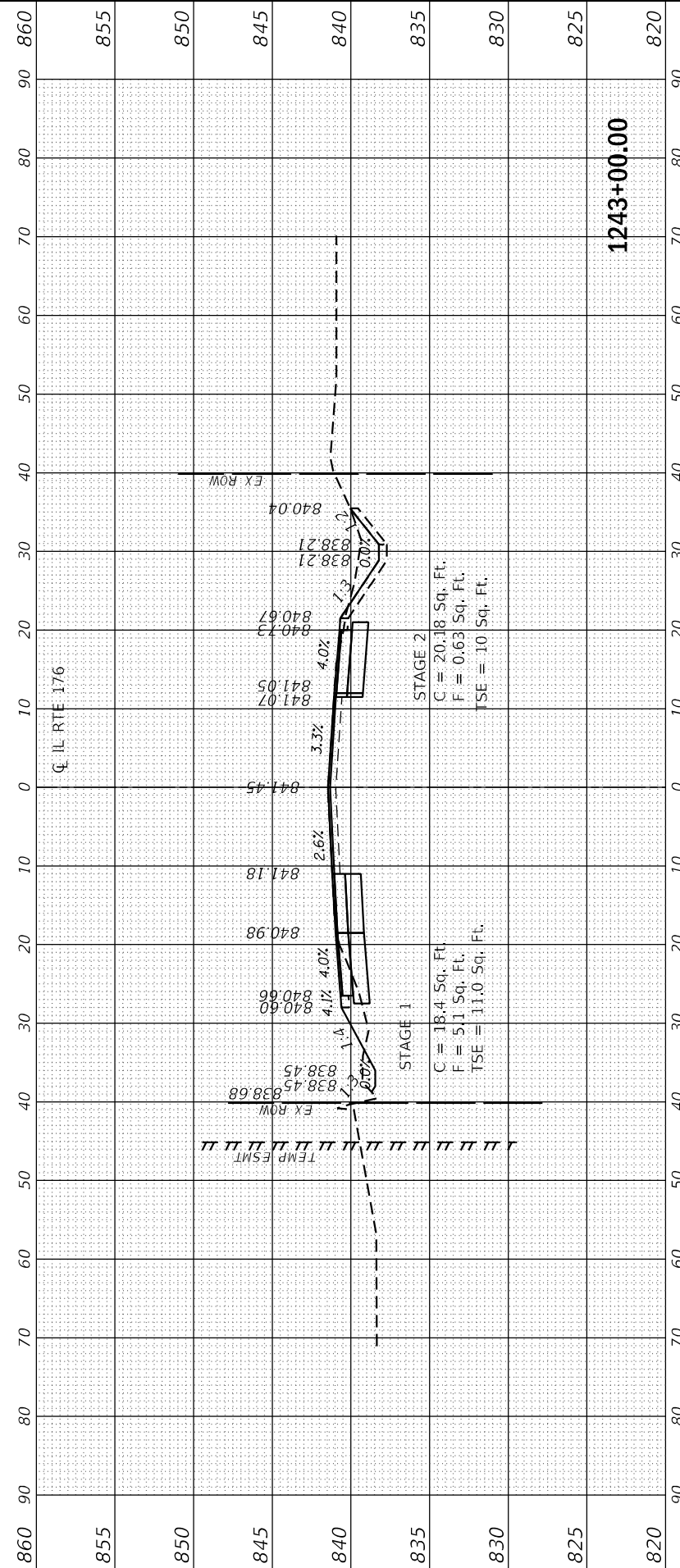
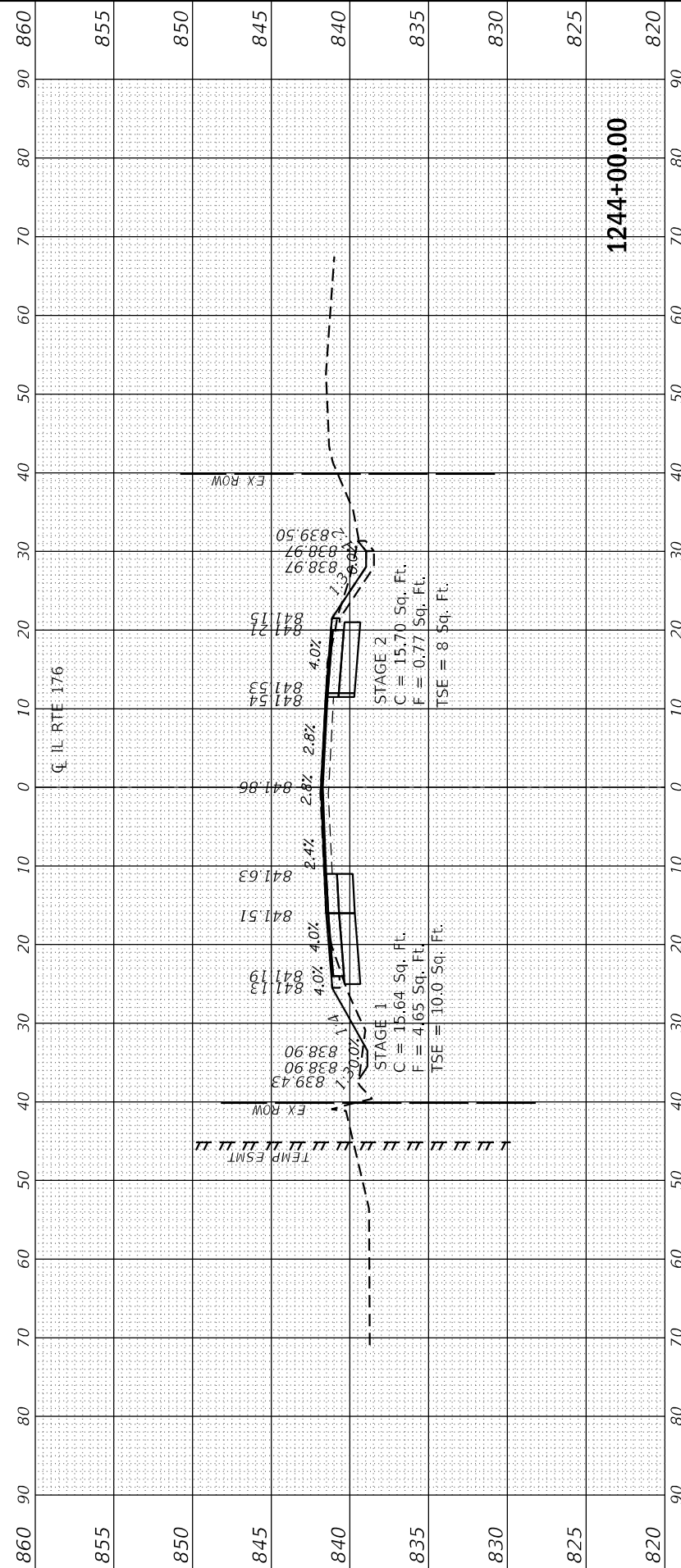
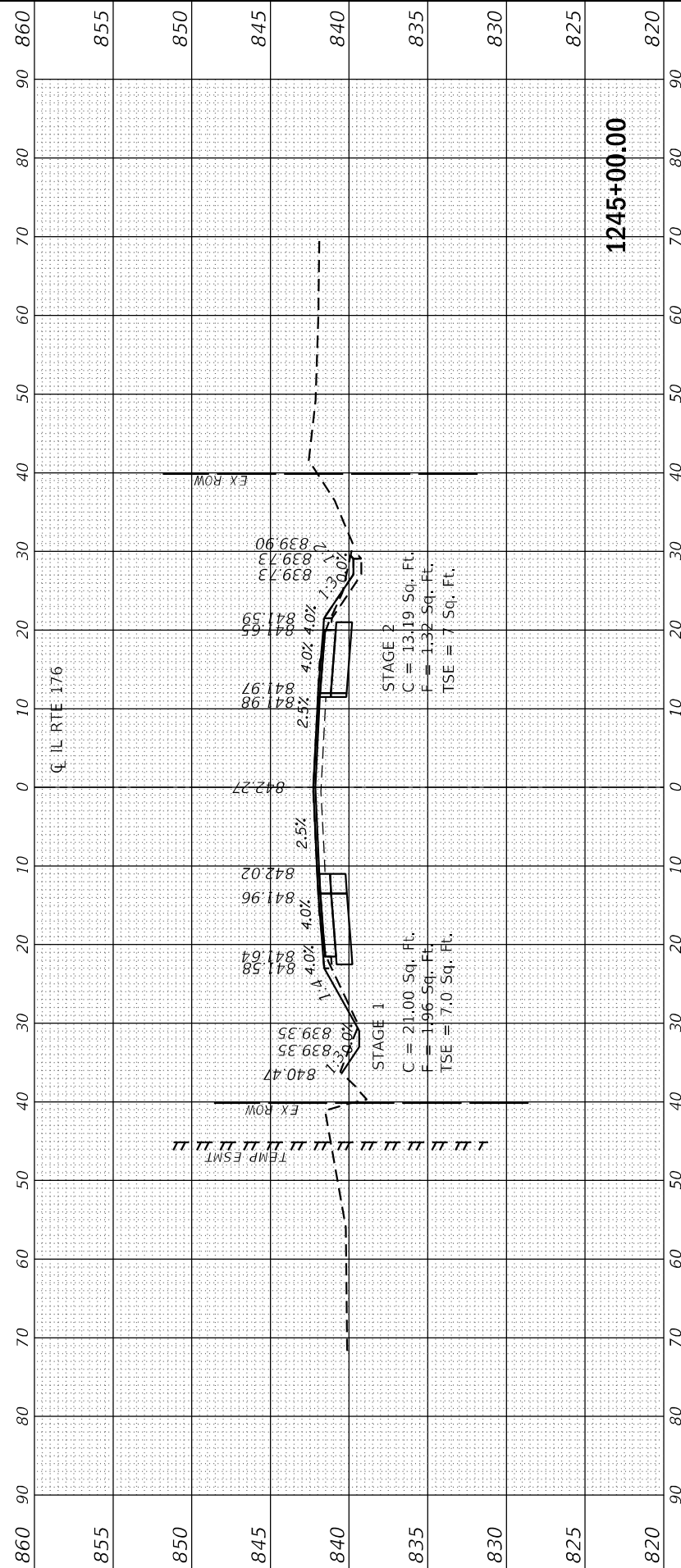
USER NAME = jschumann	DESIGNED - AB	REVISED -
	DRAWN - AB	REVISED -
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 25  
IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1243+00.00 TO STA. 1245+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 269
ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 62G35		



FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: IL 176-1245+60 TO 1246+00  
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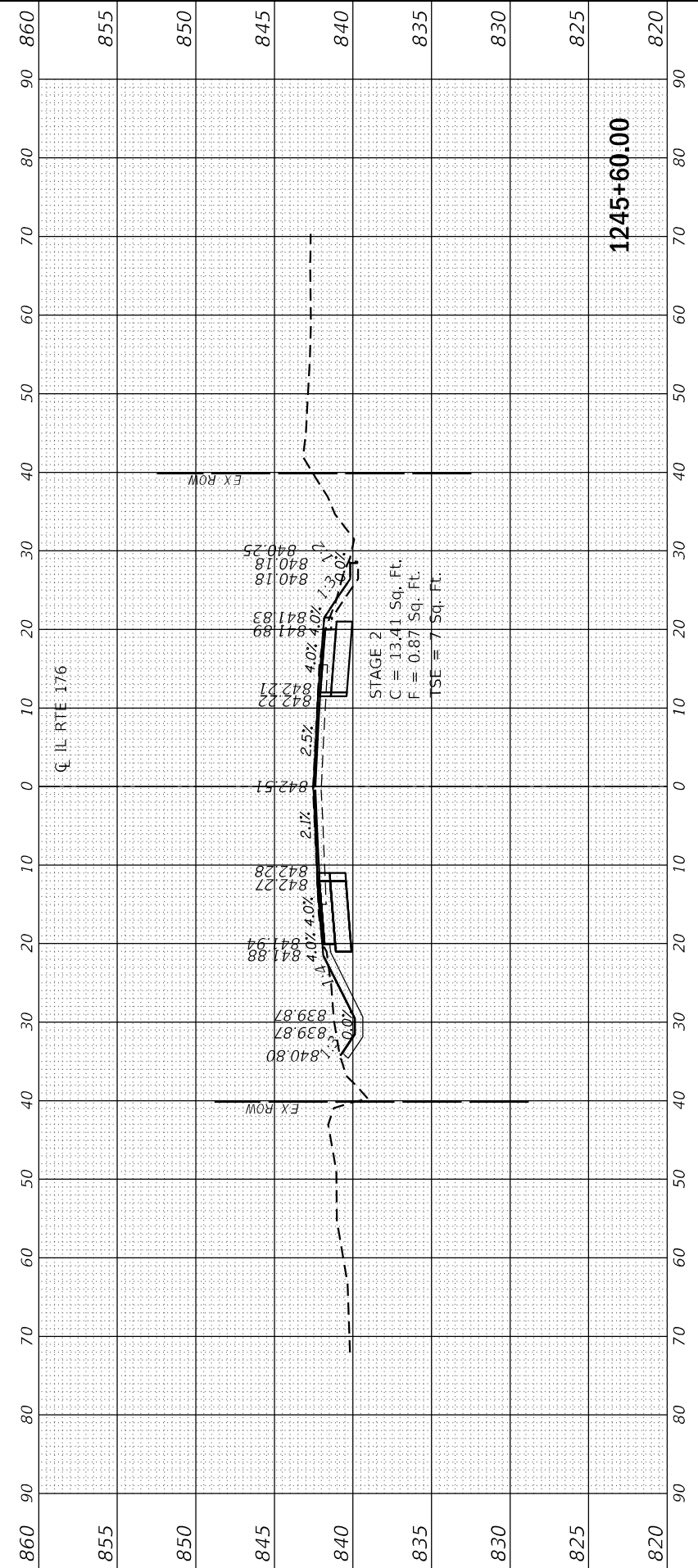
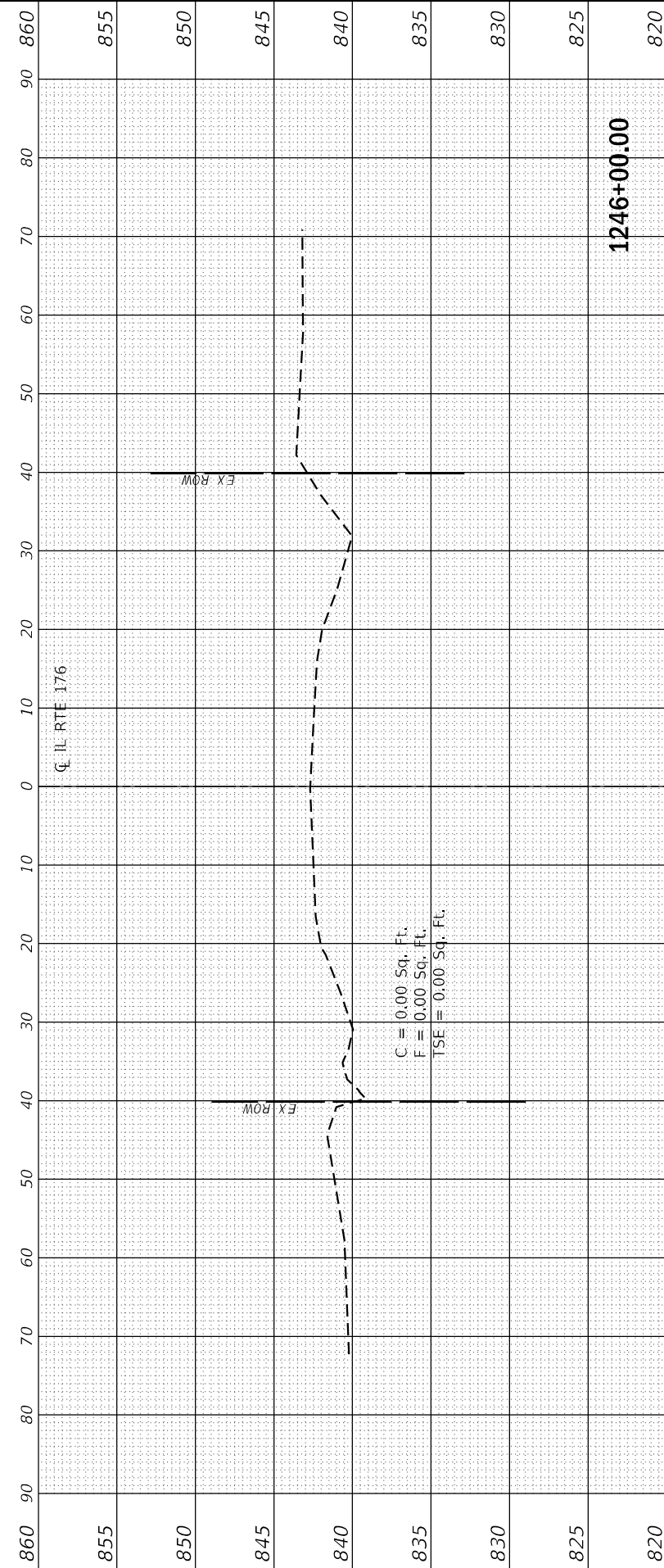
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PLOT SCALE = 20.0012' / in.	DRAWN - AB	REVISED -
PLOT DATE = 6/18/2021	CHECKED - TGM	REVISED -
	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 26  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1245+60.00 TO STA. 1246+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 270
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



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

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

MODEL: IL 176-1267+00 TO 1268+00  
 FILE NAME: G:\Engineering\Live\Projects\1267\DOT IL 176\CADD\CADD Sheets\CADD1267S-shc-XS-1003-1411.dgn



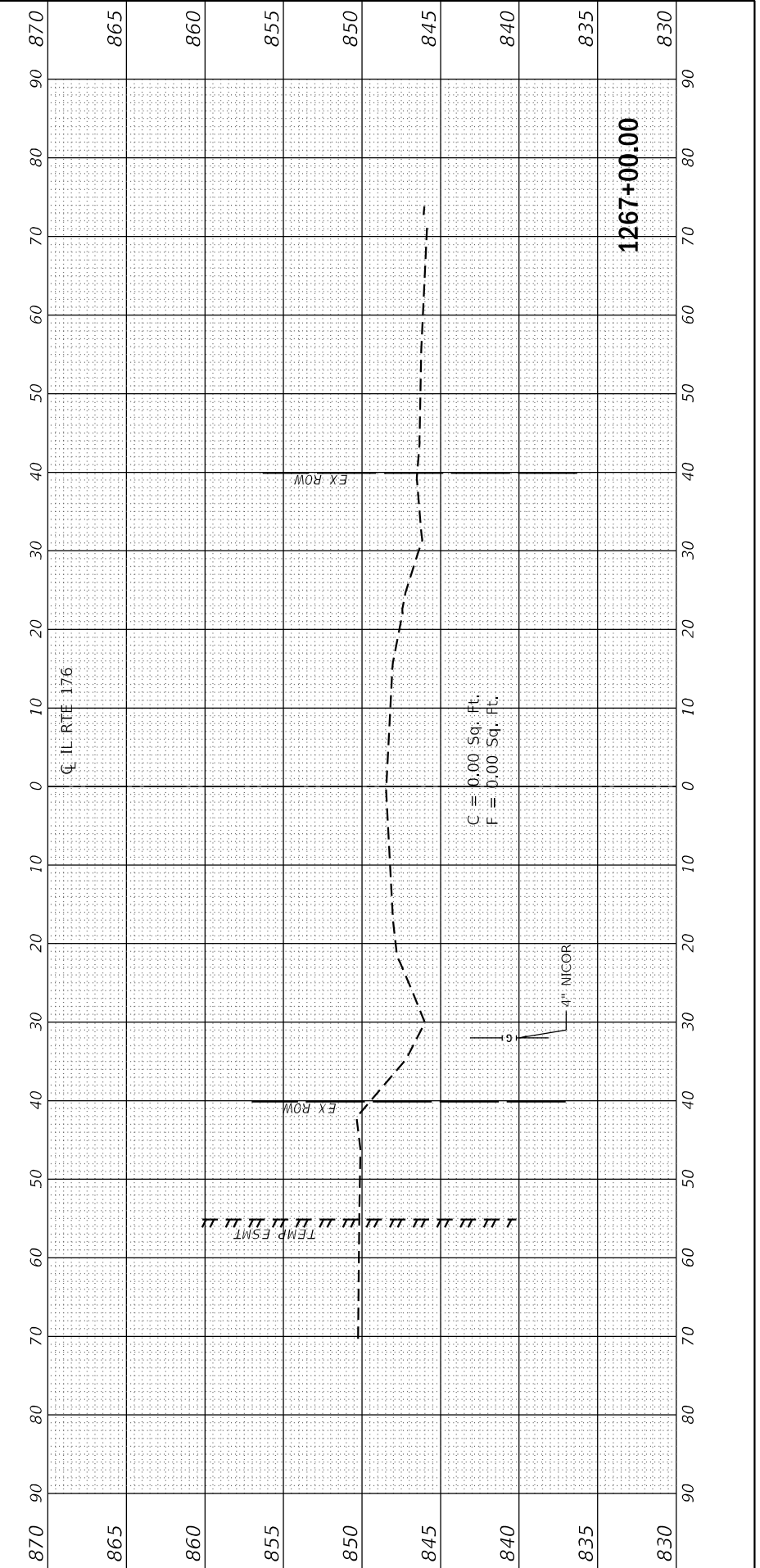
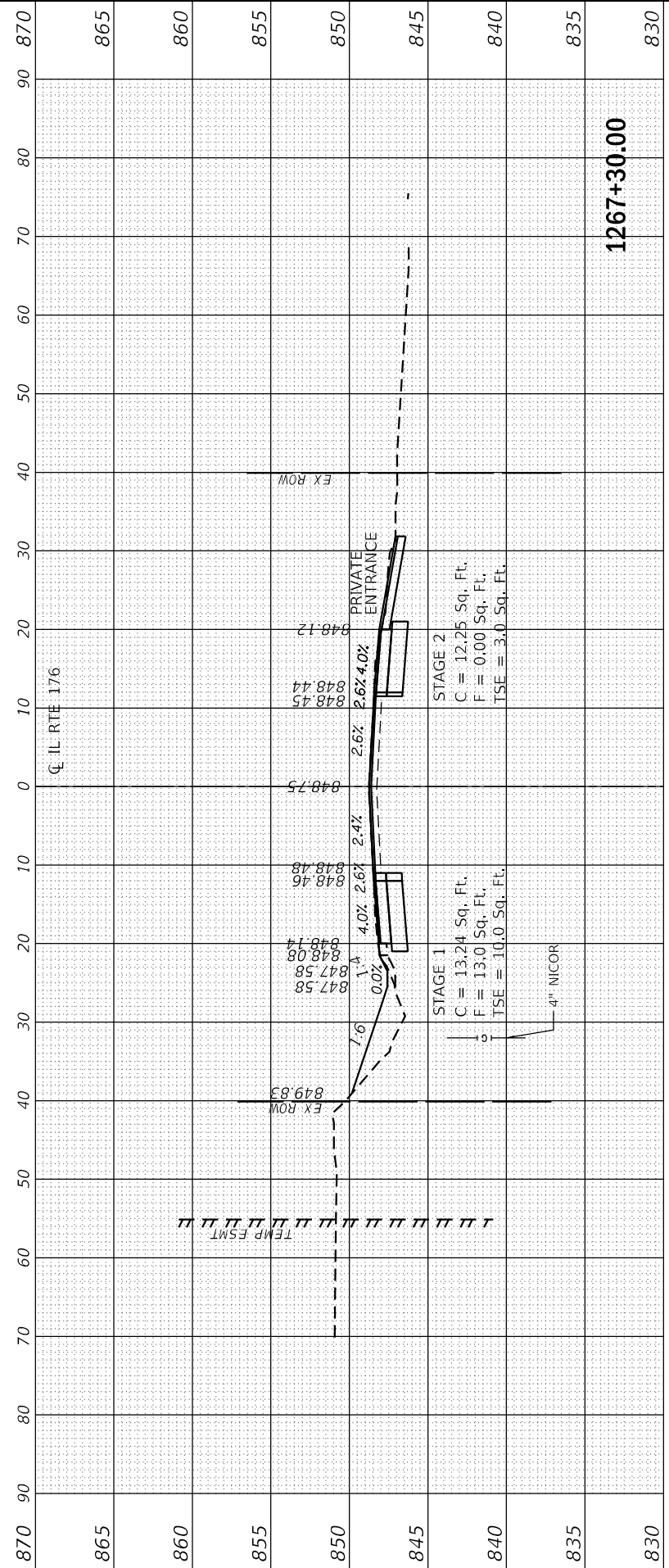
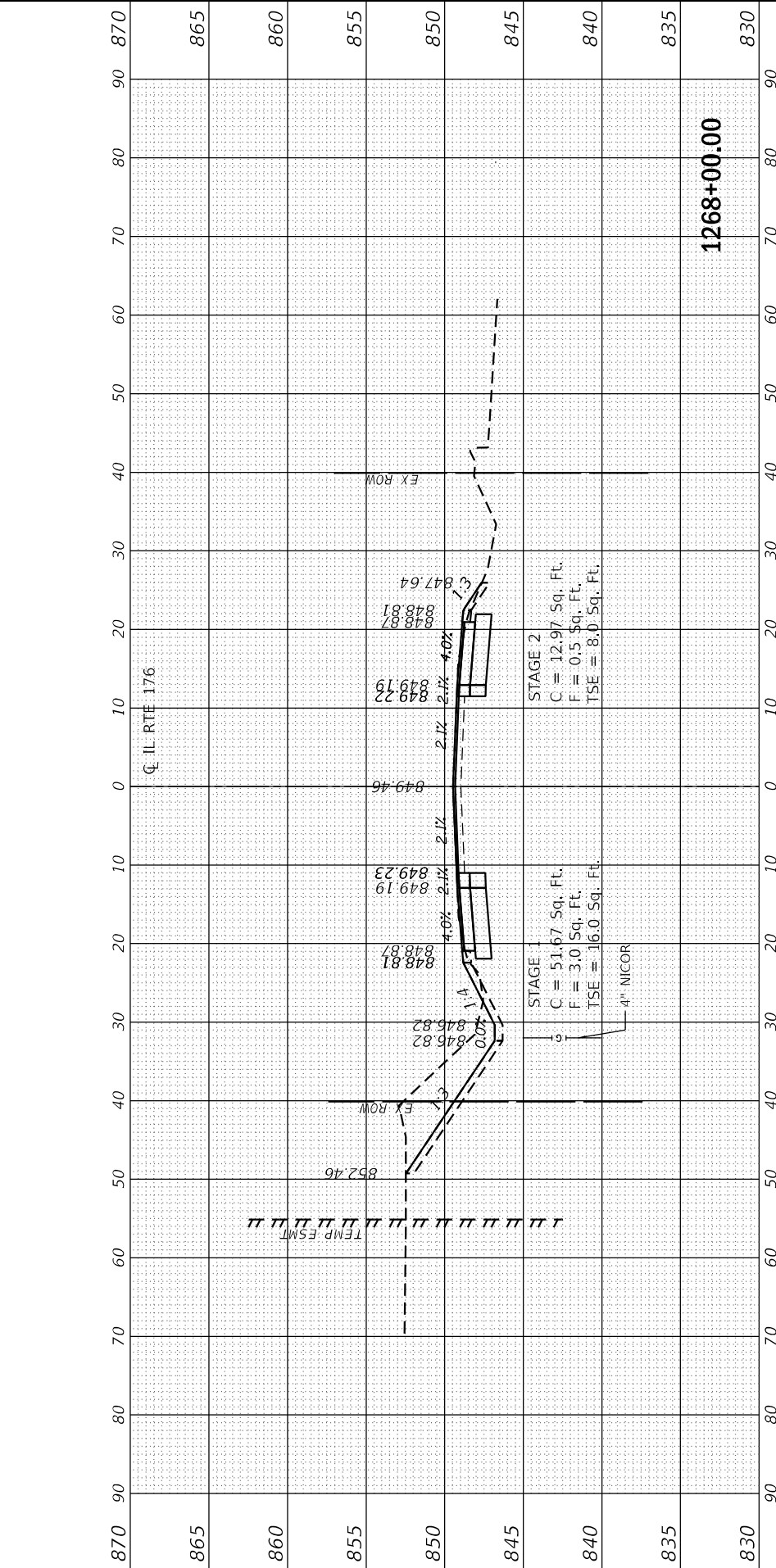
USER NAME = jschumann	DESIGNED - AB	REVISED -
	DRAWN - AB	REVISED -
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 27  
IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1267+00.00 TO STA. 1268+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 271
ILLINOIS		FED. AID PROJECT		



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

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

MODEL: IL 176-1269+00 TO 1271+00  
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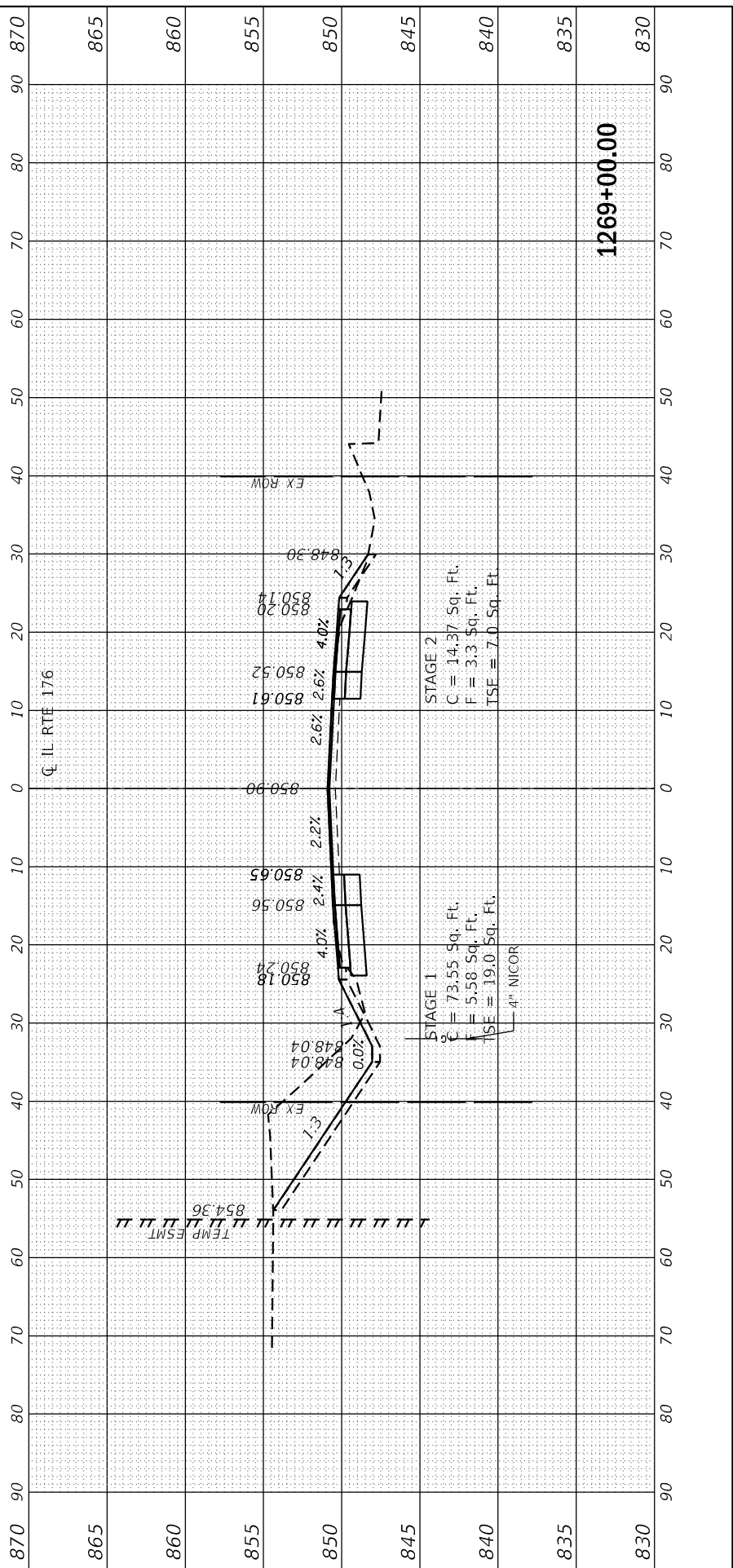
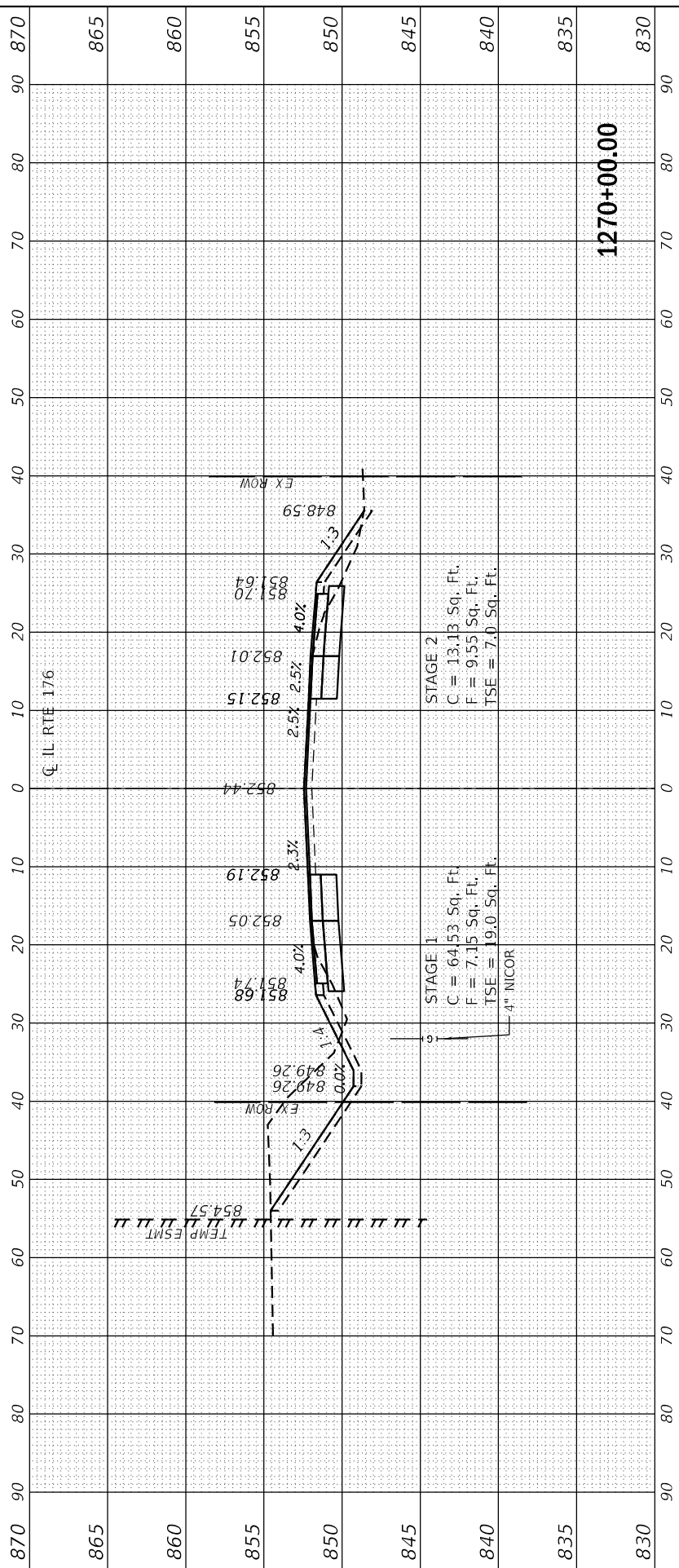
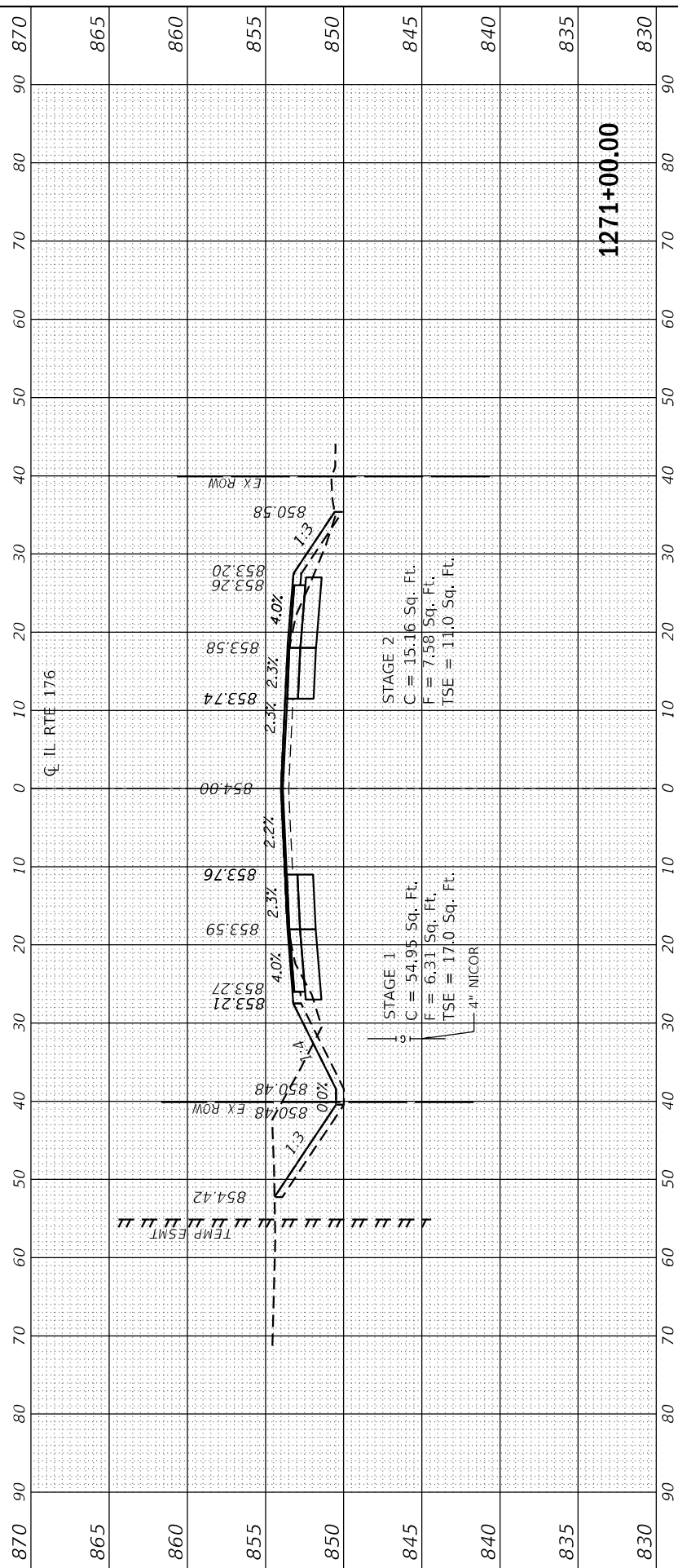


USER NAME = jschumann	DESIGNED - AB	REVISED -
	DRAWN - AB	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS - 28</b>			
<b>IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)</b>			
SCALE:	SHEET	OF	SHEETS
			STA. 1269+00.00 TO STA. 1271+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 272
ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 62G35		





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

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

MODEL: IL 176-1272+00 TO 1273+75  
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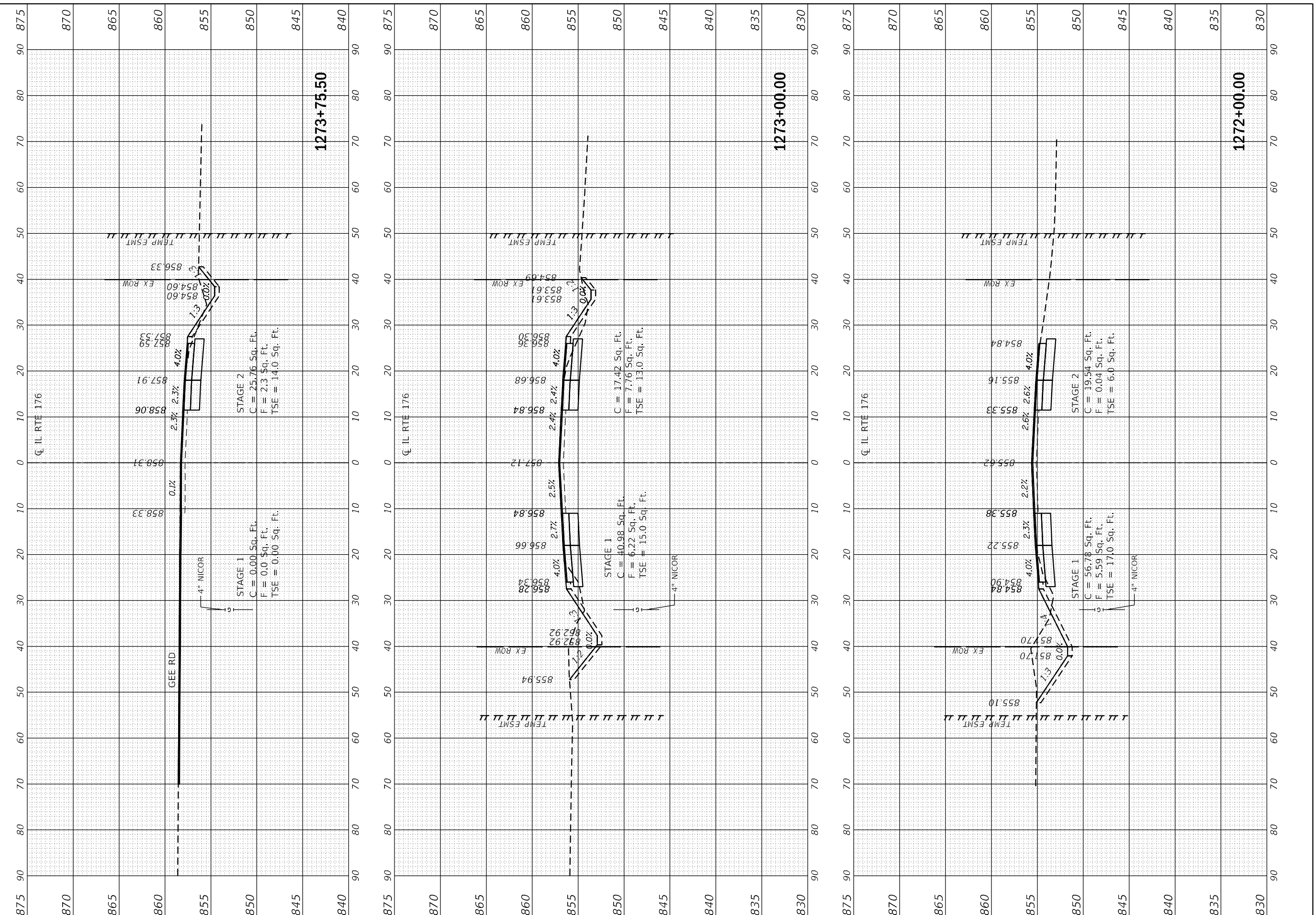
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	DRAWN - AB	REVISED -
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PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 29  
IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1272+00.00 TO STA. 1273+75.50

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 273
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



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

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

MODEL: IL 176-1274+00 TO 1276+00  
 FILE NAME: C:\Engineering\Live\Projects\12045\DOT IL 176\CADD\CADD Sheets\CADD\16763-Sbc-XS\_1003-141.dgn



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DESIGNED	- AB
DRAWN	- AB
CHECKED	- TGM
DATE	- 06-17-2021

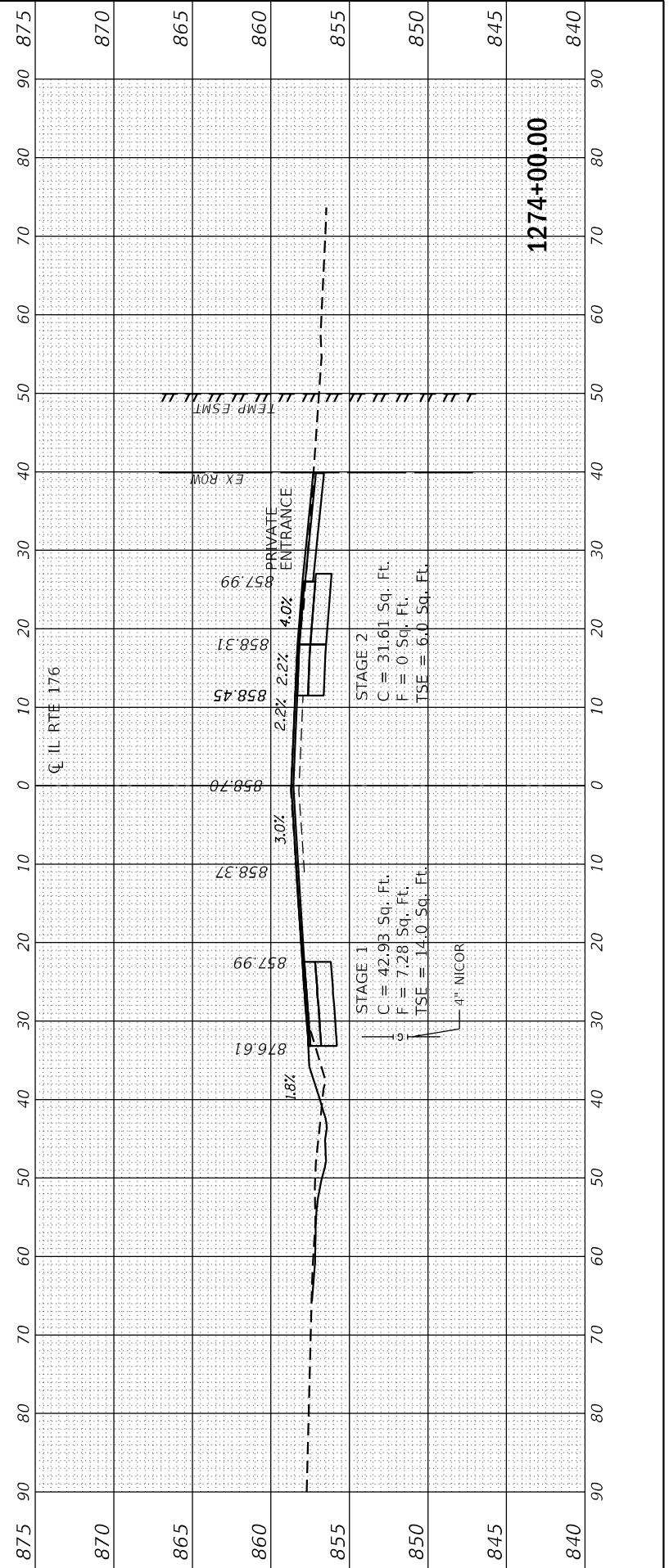
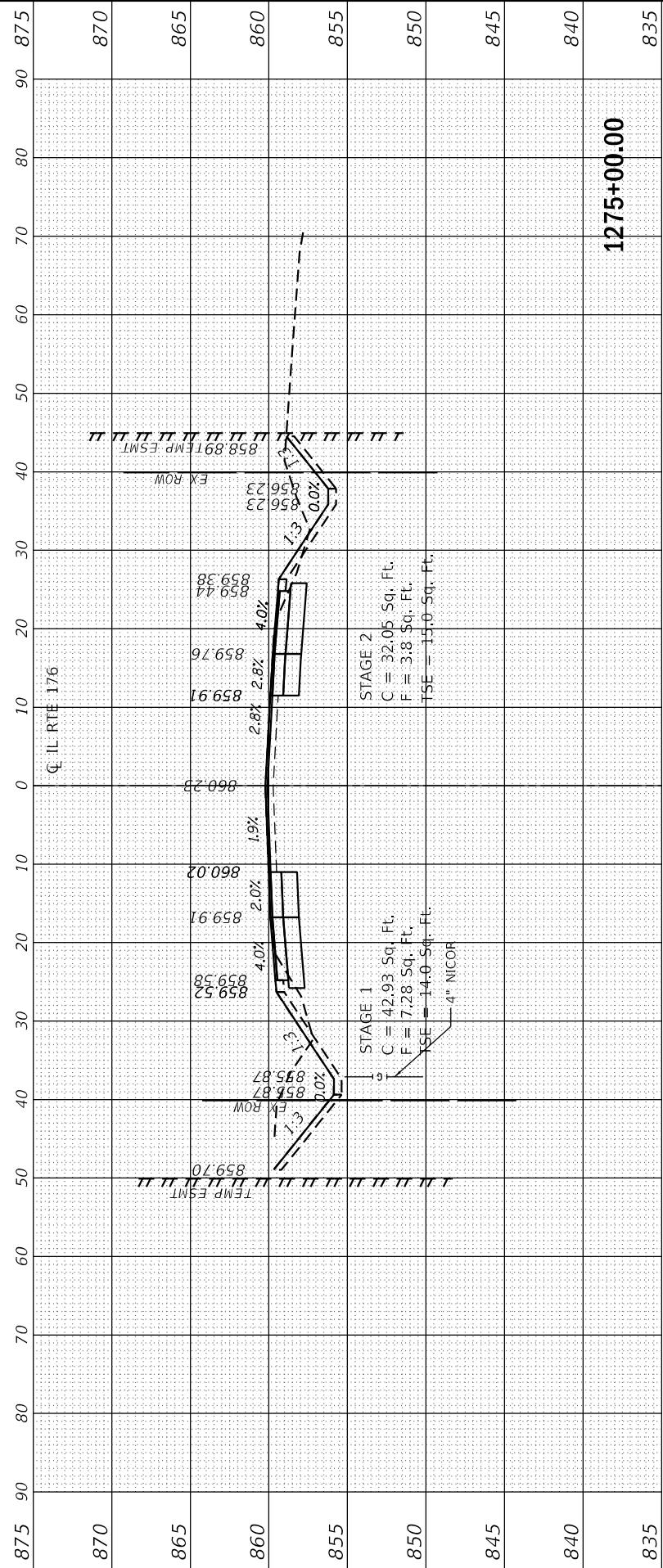
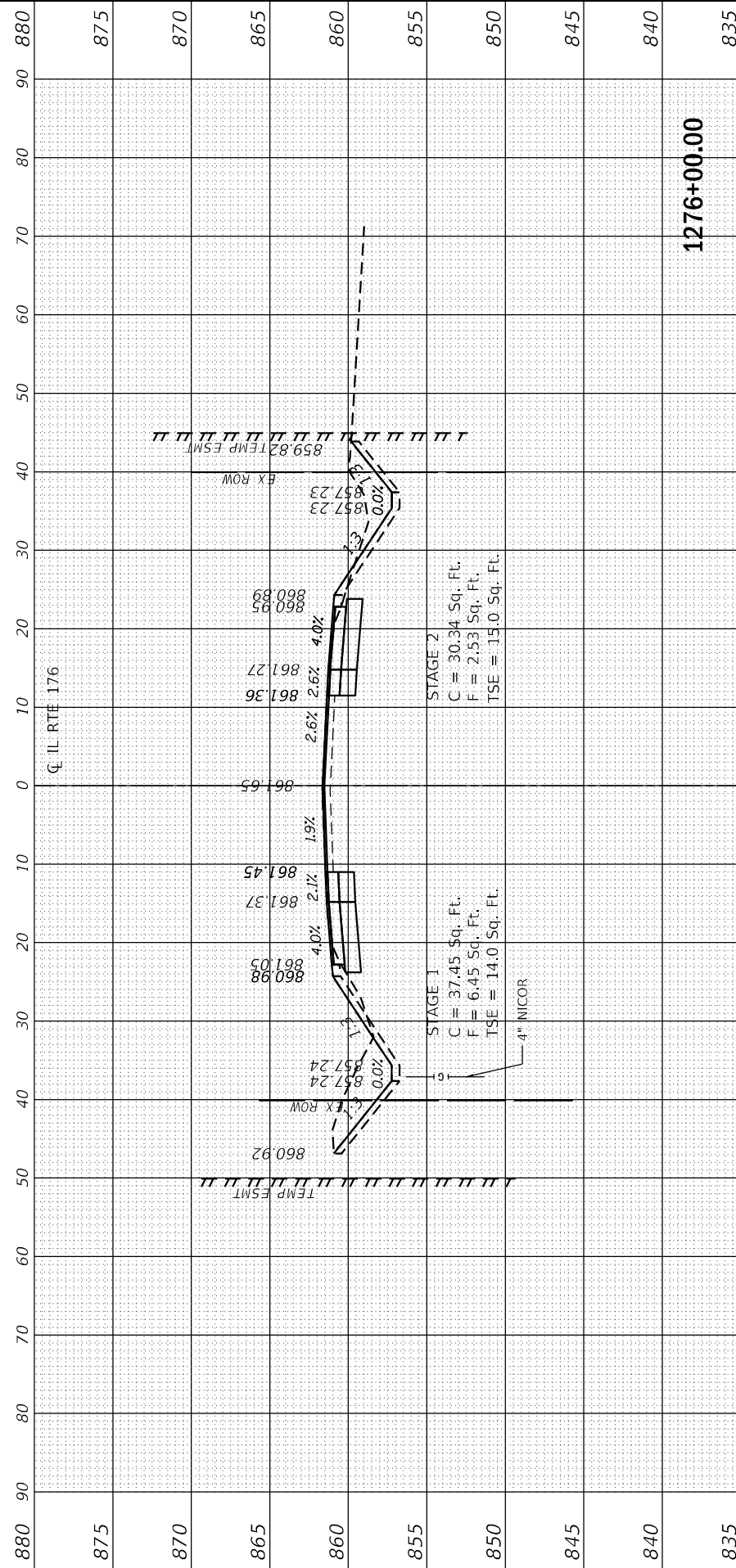
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 30  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1274+00.00 TO STA. 1276+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	274
		CONTRACT NO. 62G35		
		ILLINOIS FED. AID PROJECT		



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

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

MODEL: IL 176-1277+00 TO 1278+00  
 FILE NAME: C:\Engineering\Live\Projects\12045\DOT IL 176\CADD\CADD\_Sheets\CADD187633-hc-x5\_1003-1411.dgn



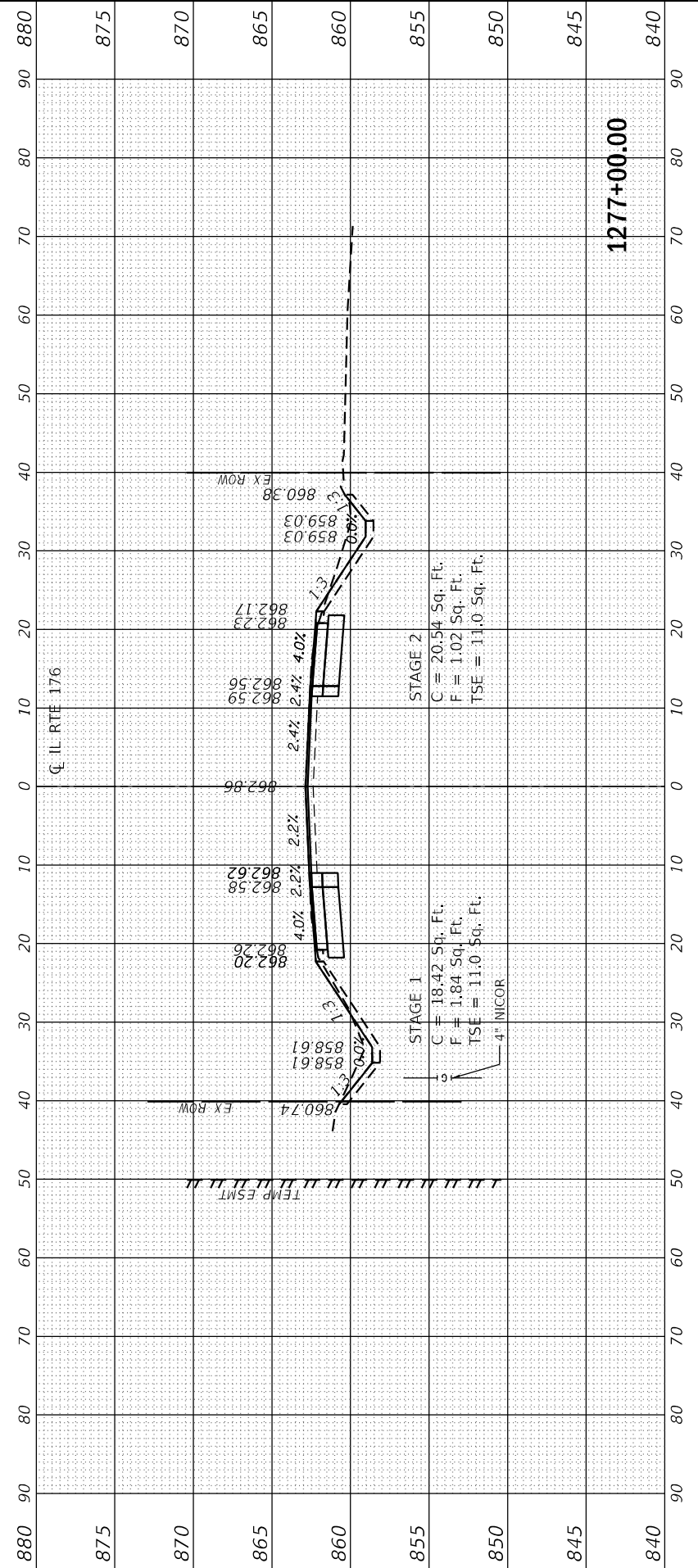
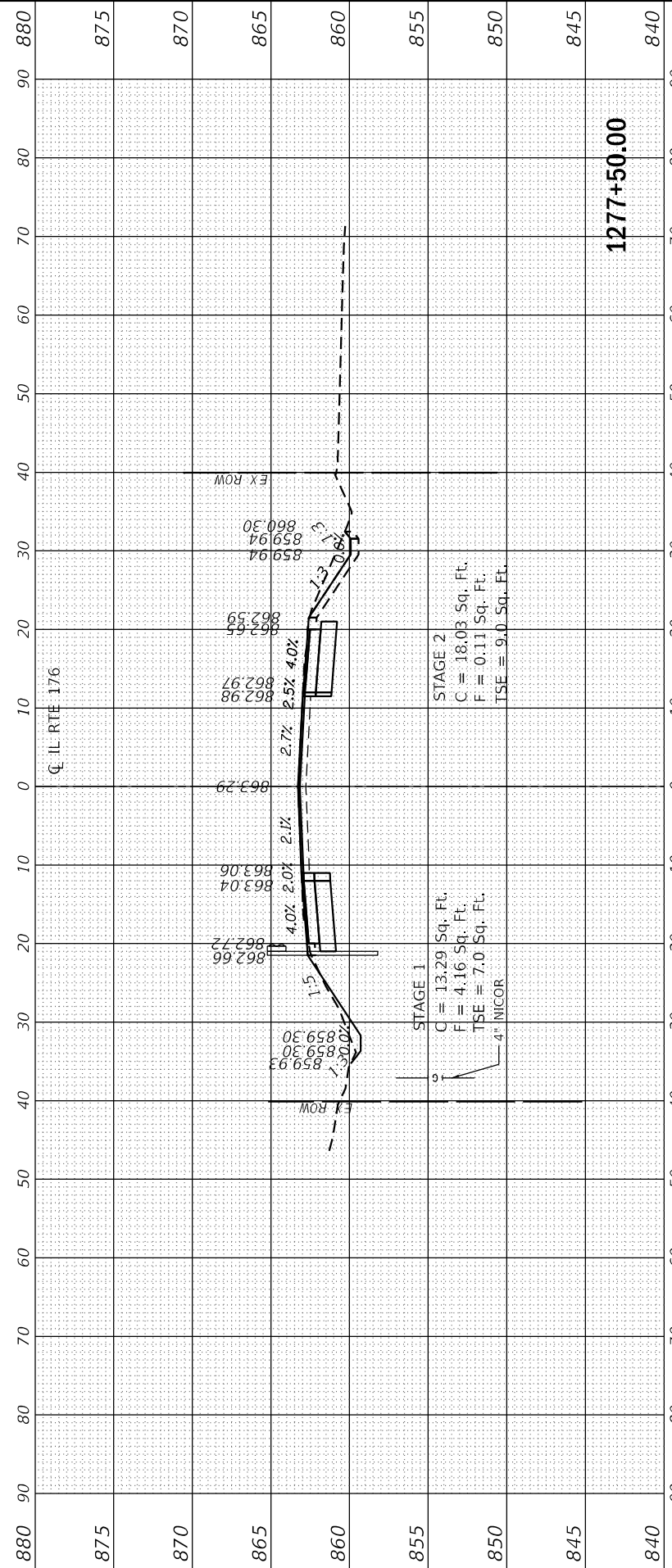
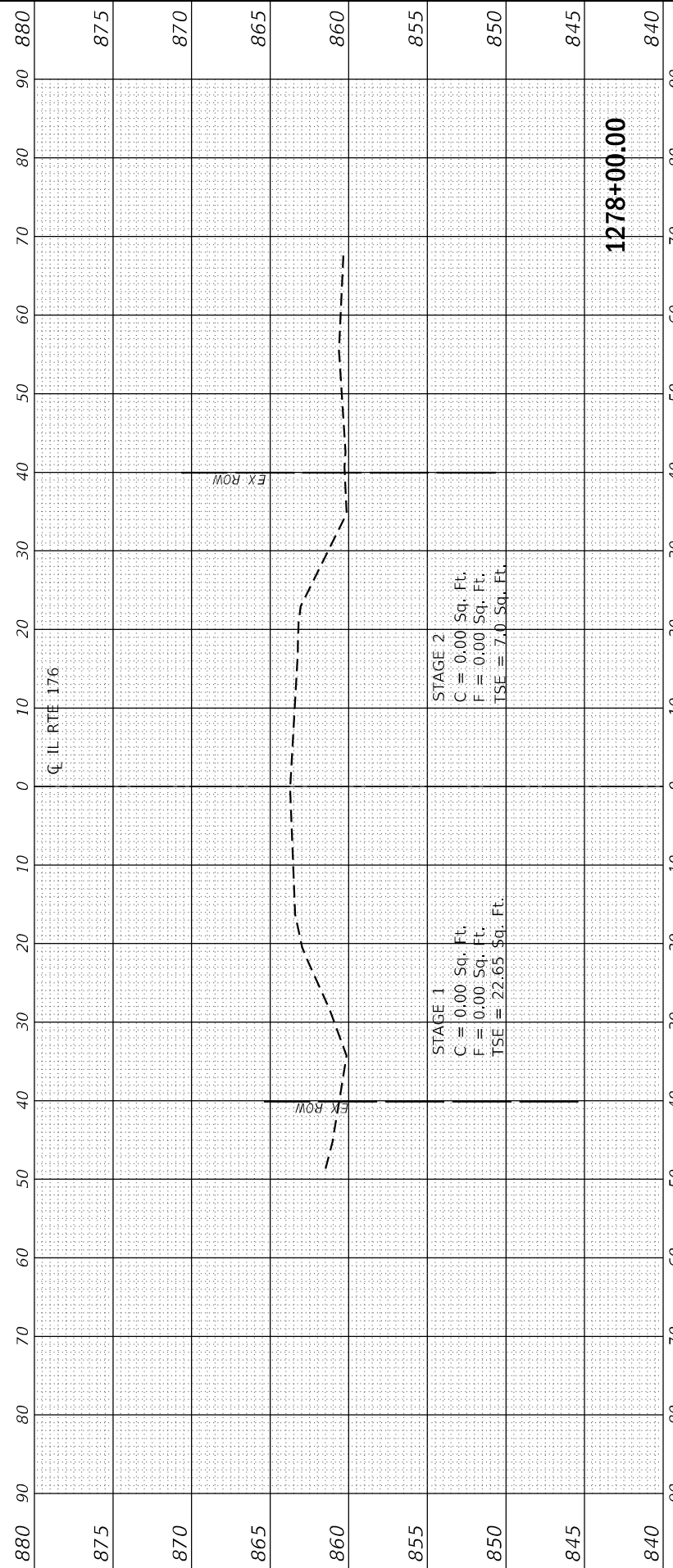
USER NAME = jschumann	DESIGNED - AB	REVISED -
	DRAWN - AB	REVISED -
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 31  
IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1277+00.00 TO STA. 1278+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	275
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



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

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

MODEL: IL 176-1320+00 TO 1321+00  
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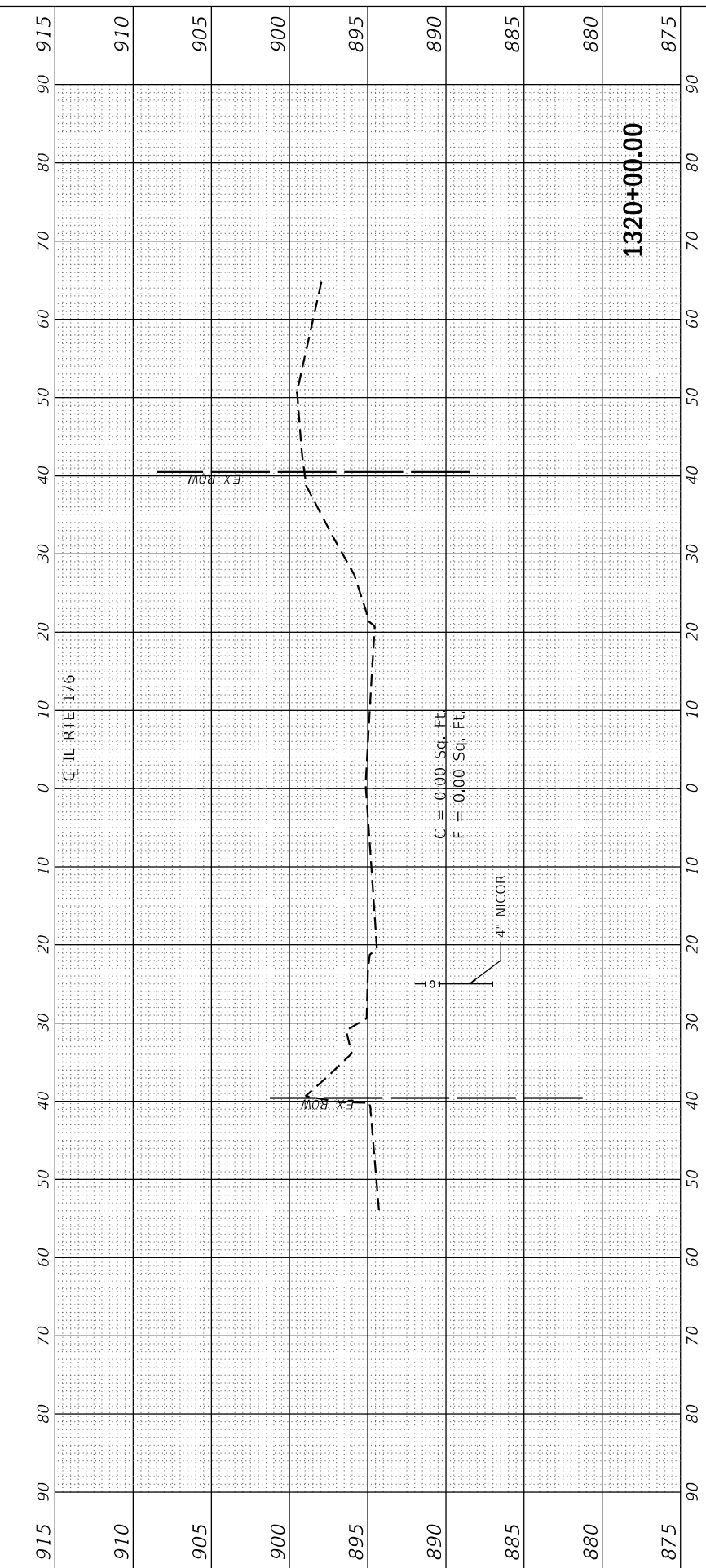
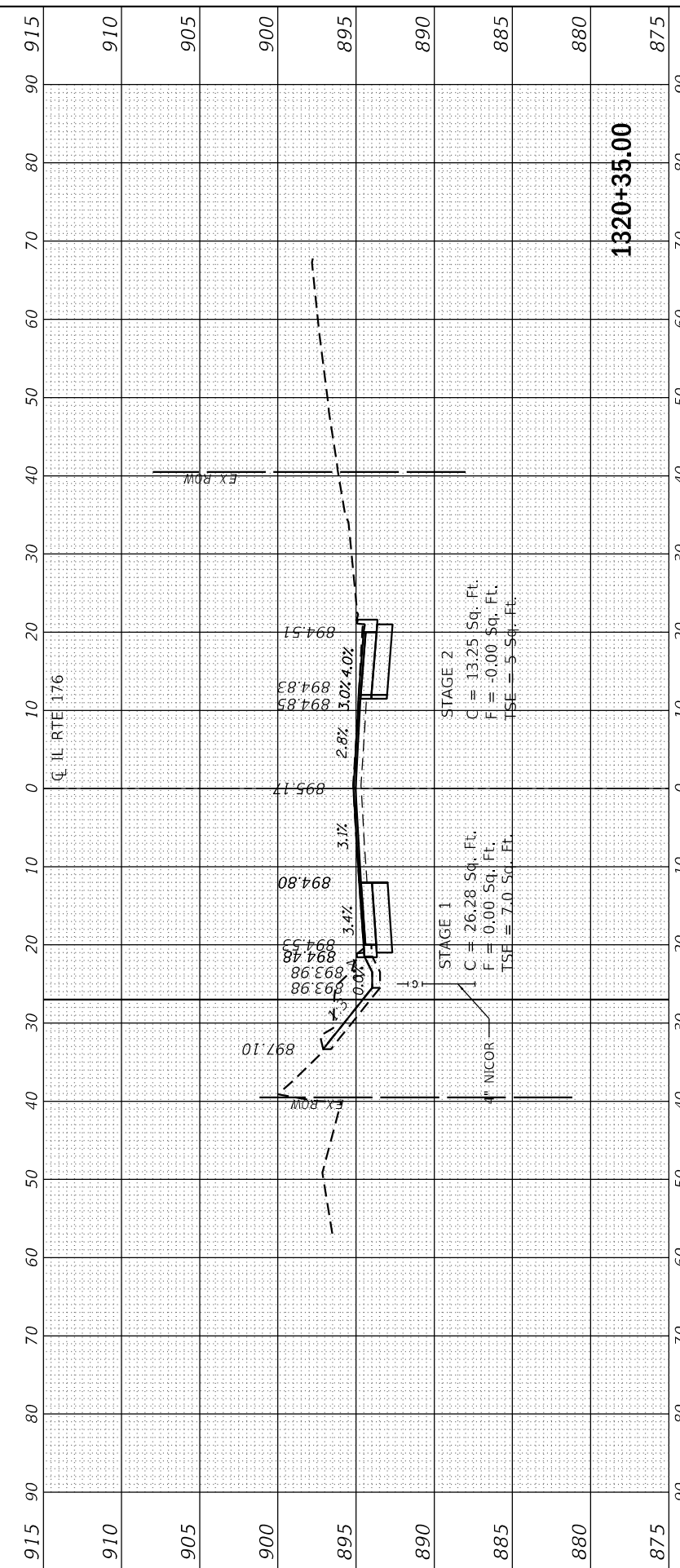
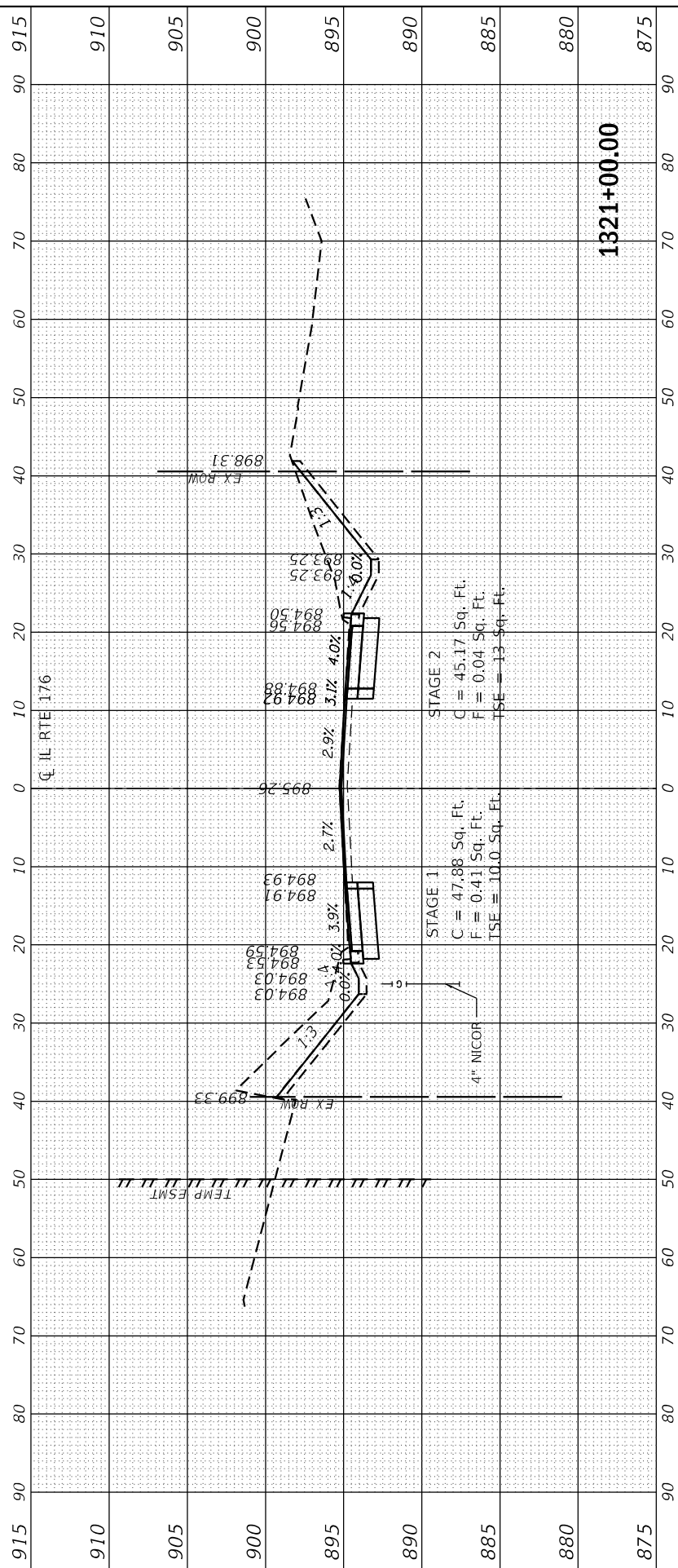
USER NAME = jschumann	DESIGNED - AB	REVISED -
	DRAWN - AB	REVISED -
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 32  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1320+00.00 TO STA. 1321+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 276
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



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

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

MODEL: IL 176-1322+00 TO 1324+00  
 FILE NAME: G:\Engineering\Live\Projects\13045\DOT IL 176\CADD\CADD Sheets\CADD Sheets\C1623-33-11.dgn



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DRAWN	- AB
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PLOT DATE	= 6/18/2021

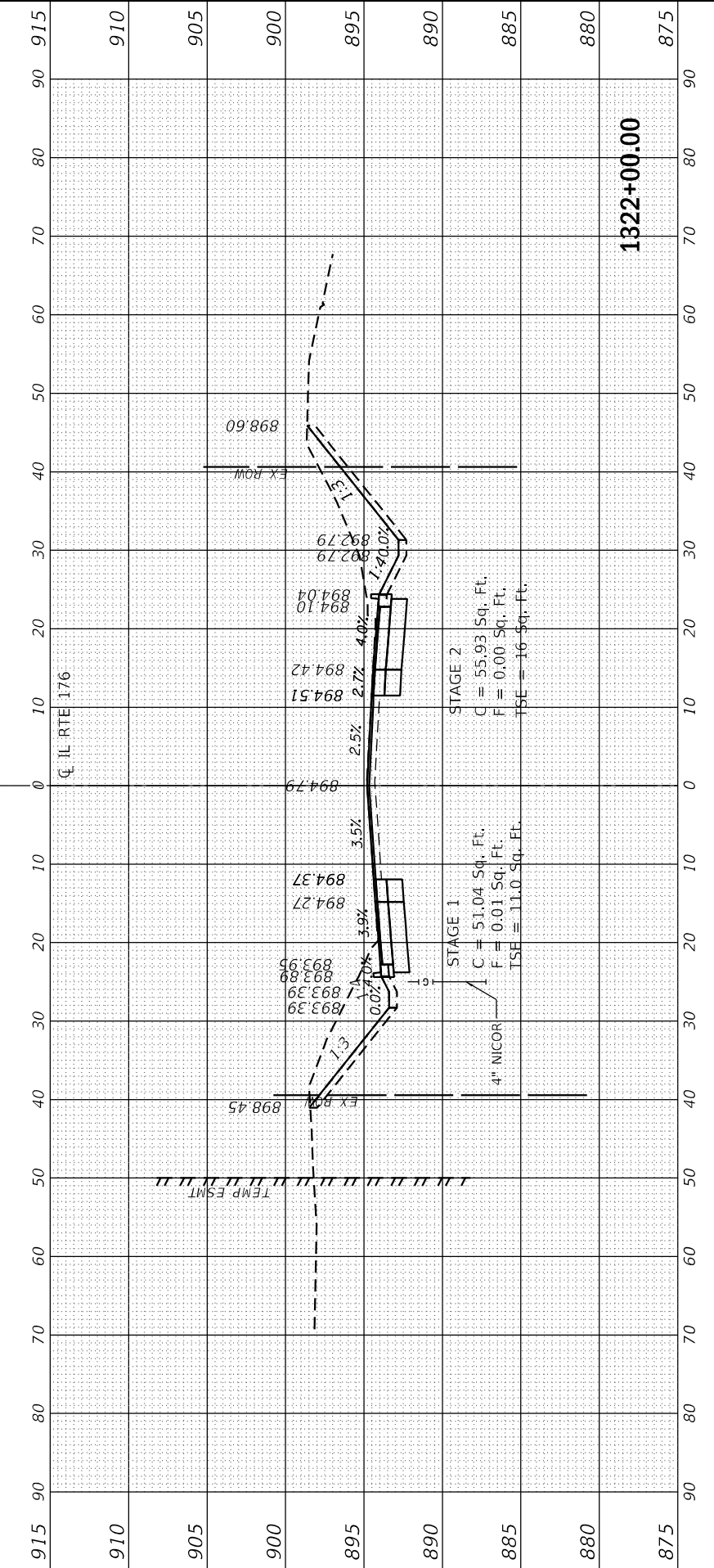
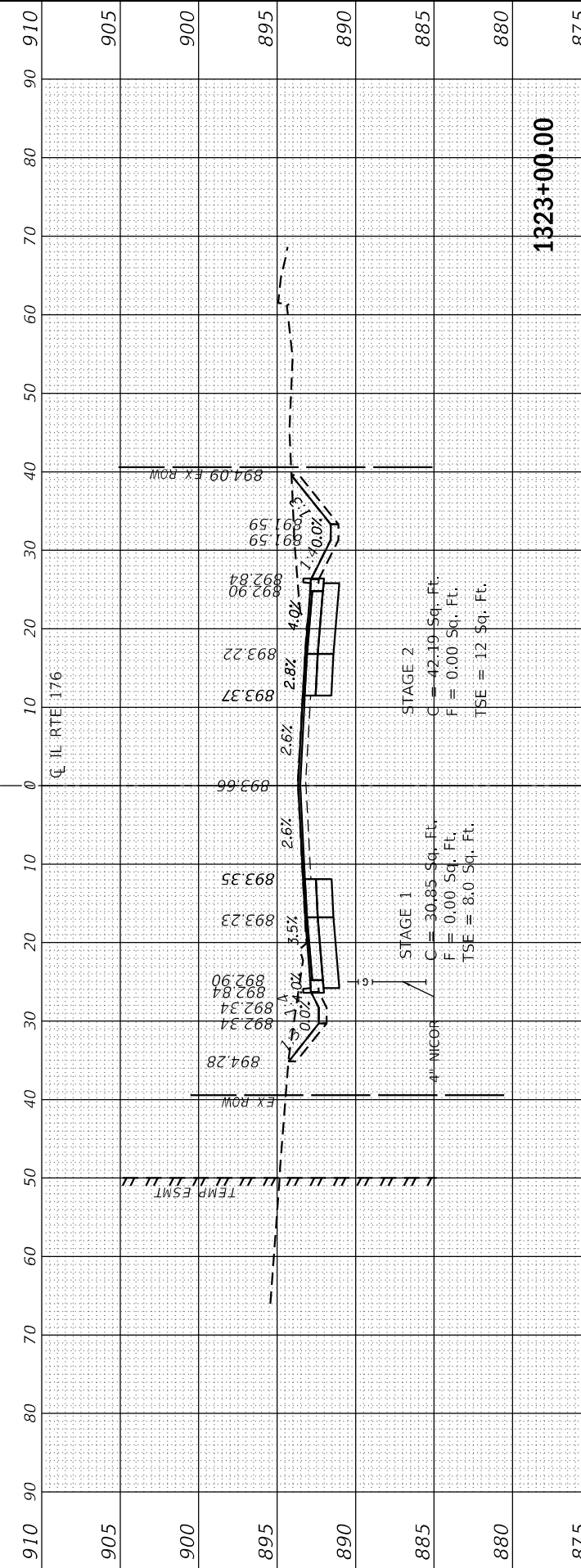
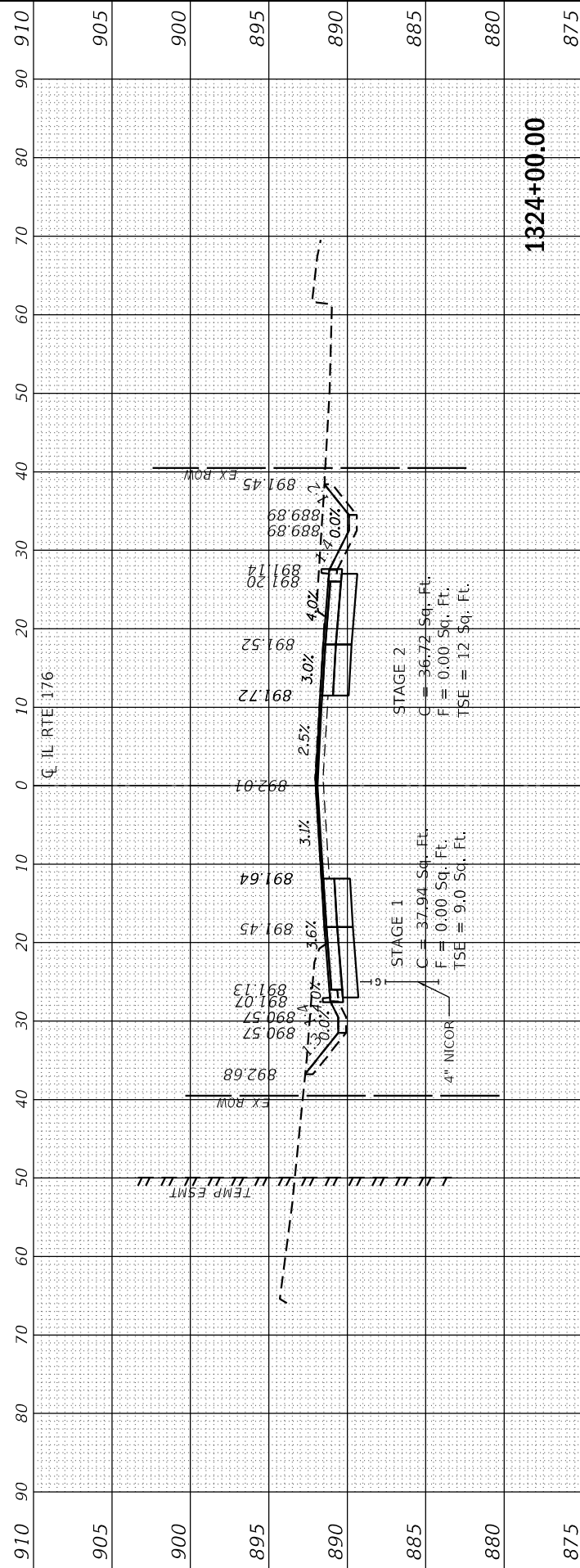
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REVISIONS	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 33  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1322+00.00 TO STA. 1324+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	277
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



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

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

MODEL: IL 176-1325+00 TO 1327+00  
 FILE NAME: G:\Engineering\Live\Projects\1325\DOT IL 176\CADD\CADD Sheets\CADD\1325-1411.dgn



USER NAME	= jschumann
DESIGNED	- AB
DRAWN	- AB
CHECKED	- TGM
DATE	- 06-17-2021

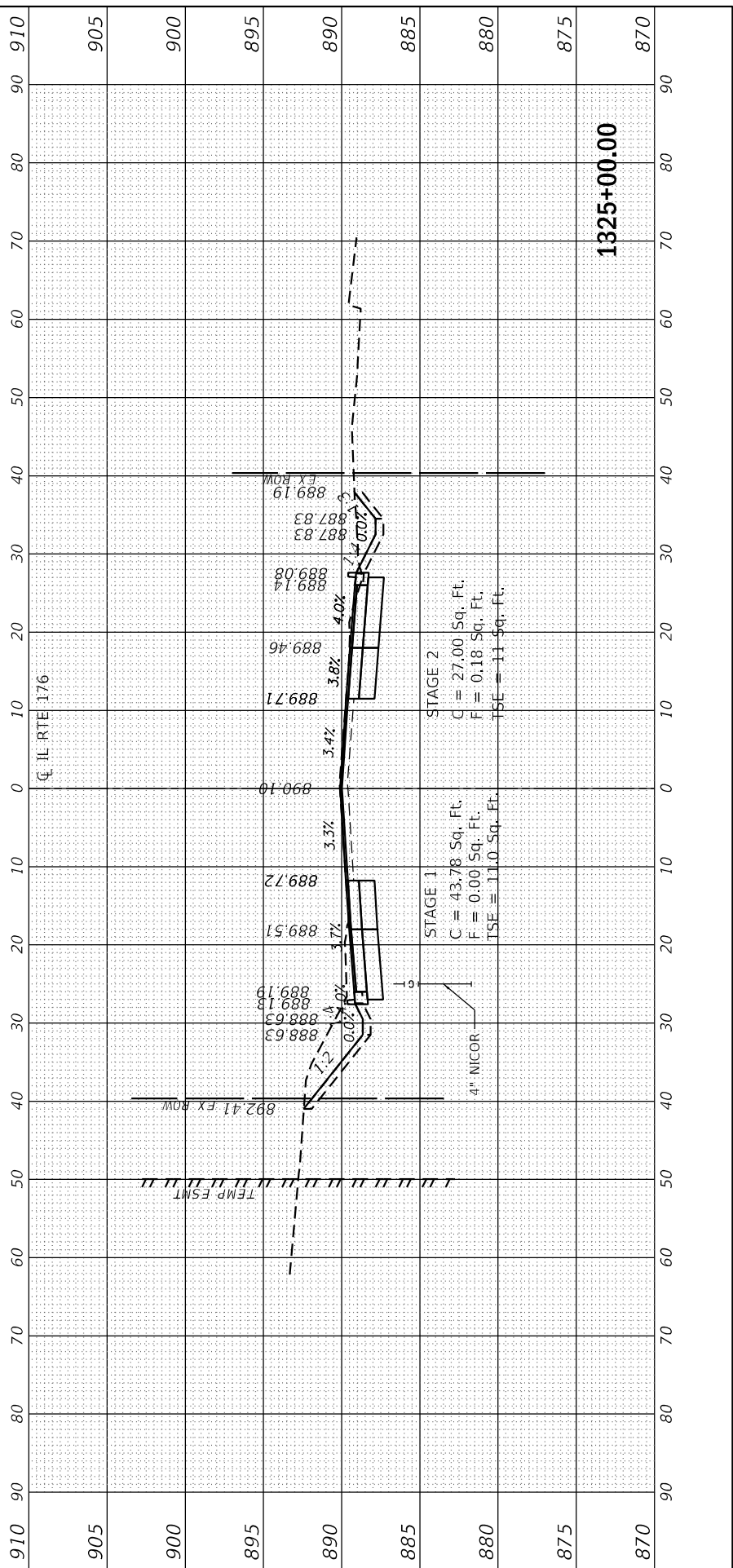
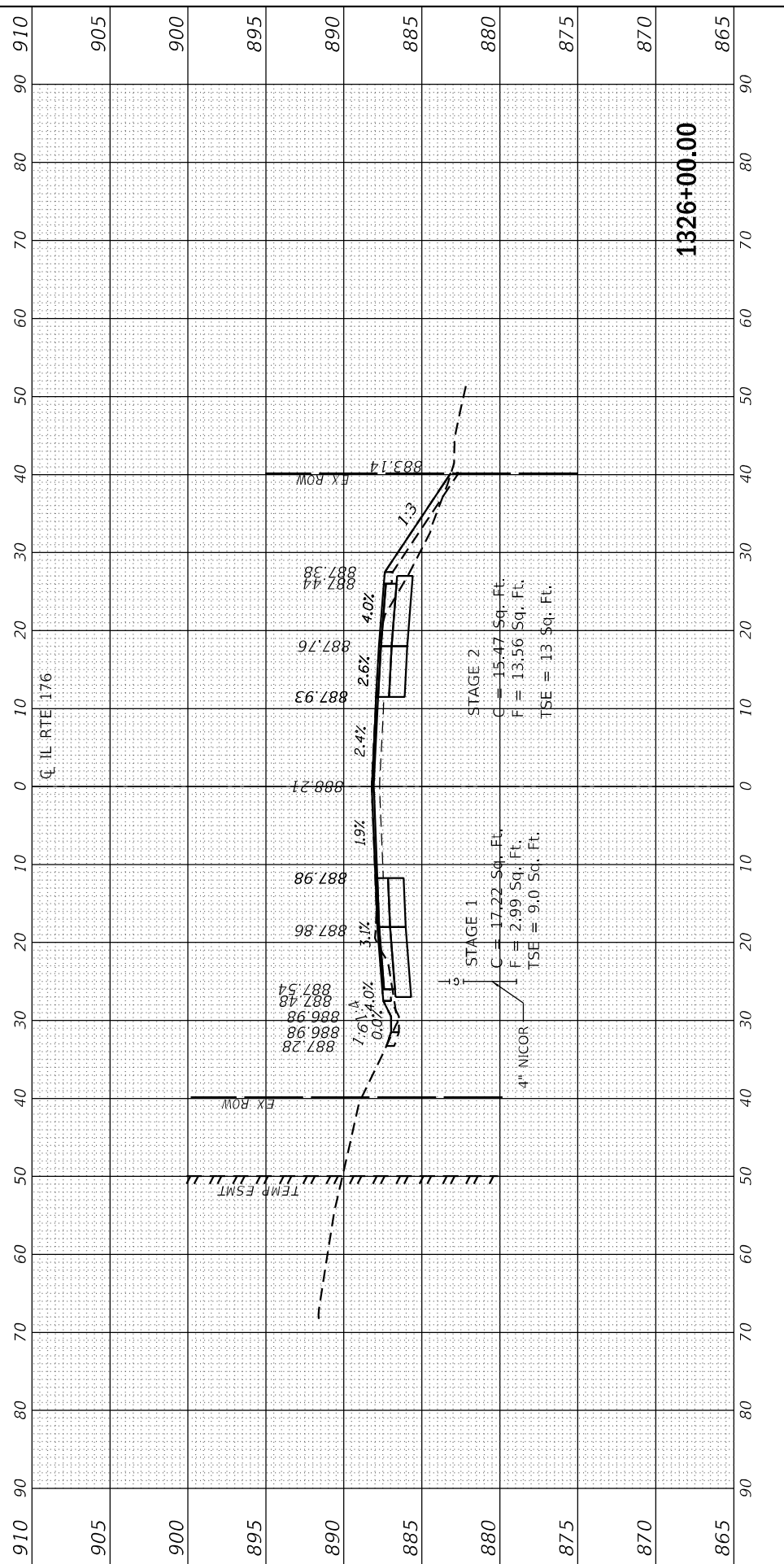
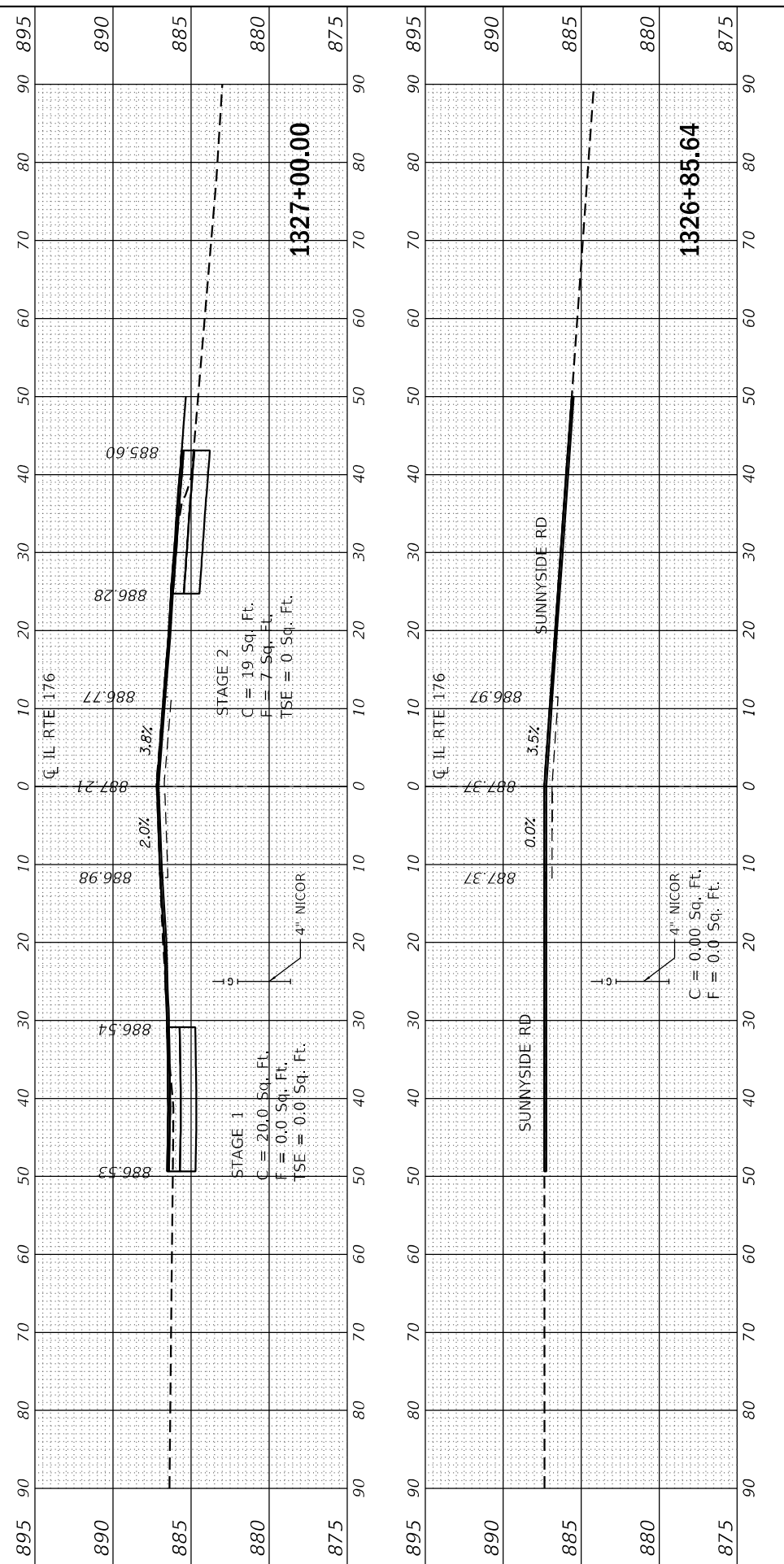
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REVISIONS	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA. 1325+00.00 TO STA. 1327+00.00
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**CROSS SECTIONS - 34  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	278
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



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

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

MODEL: IL 176-1328+00 TO 1330+00  
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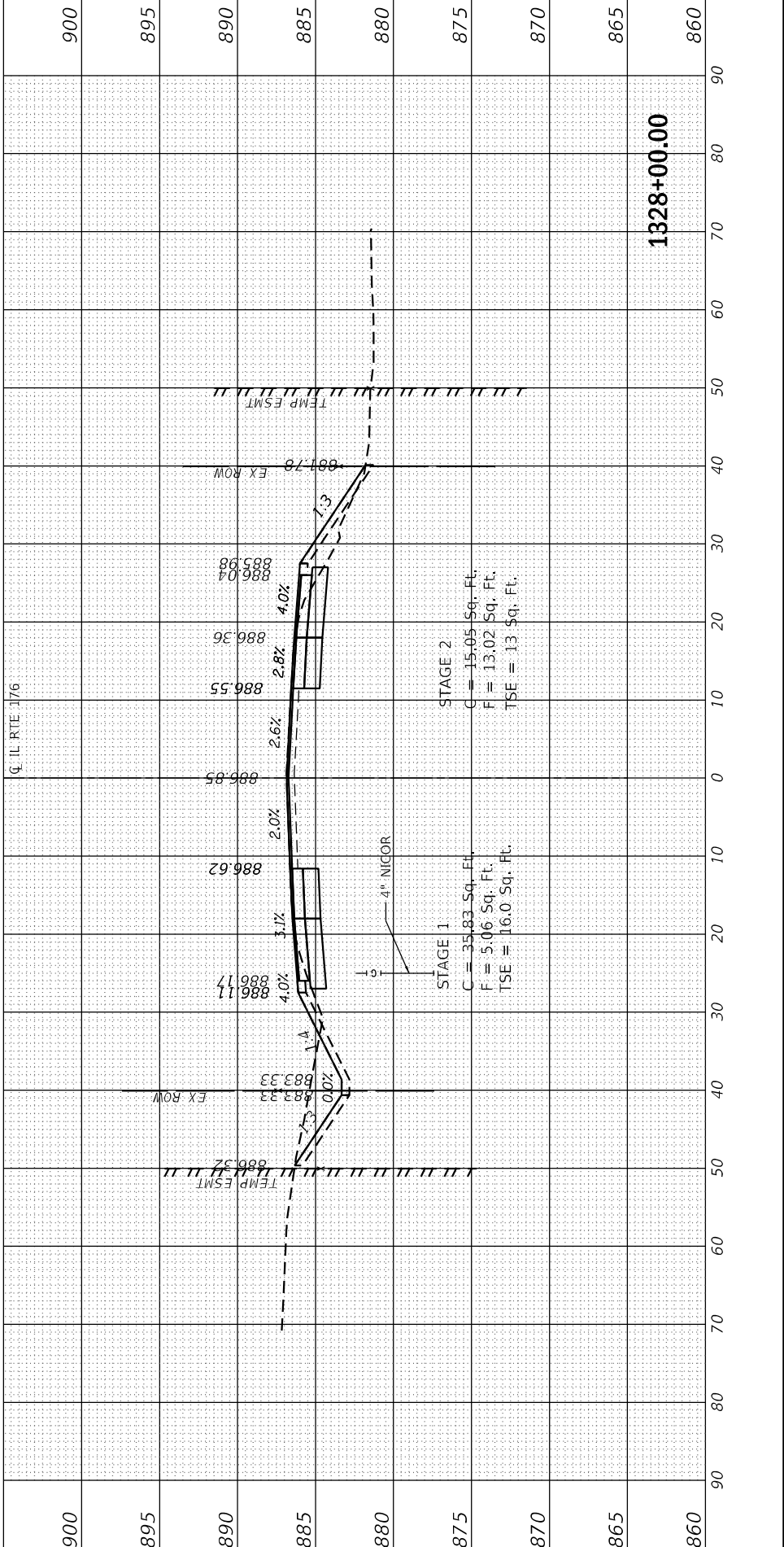
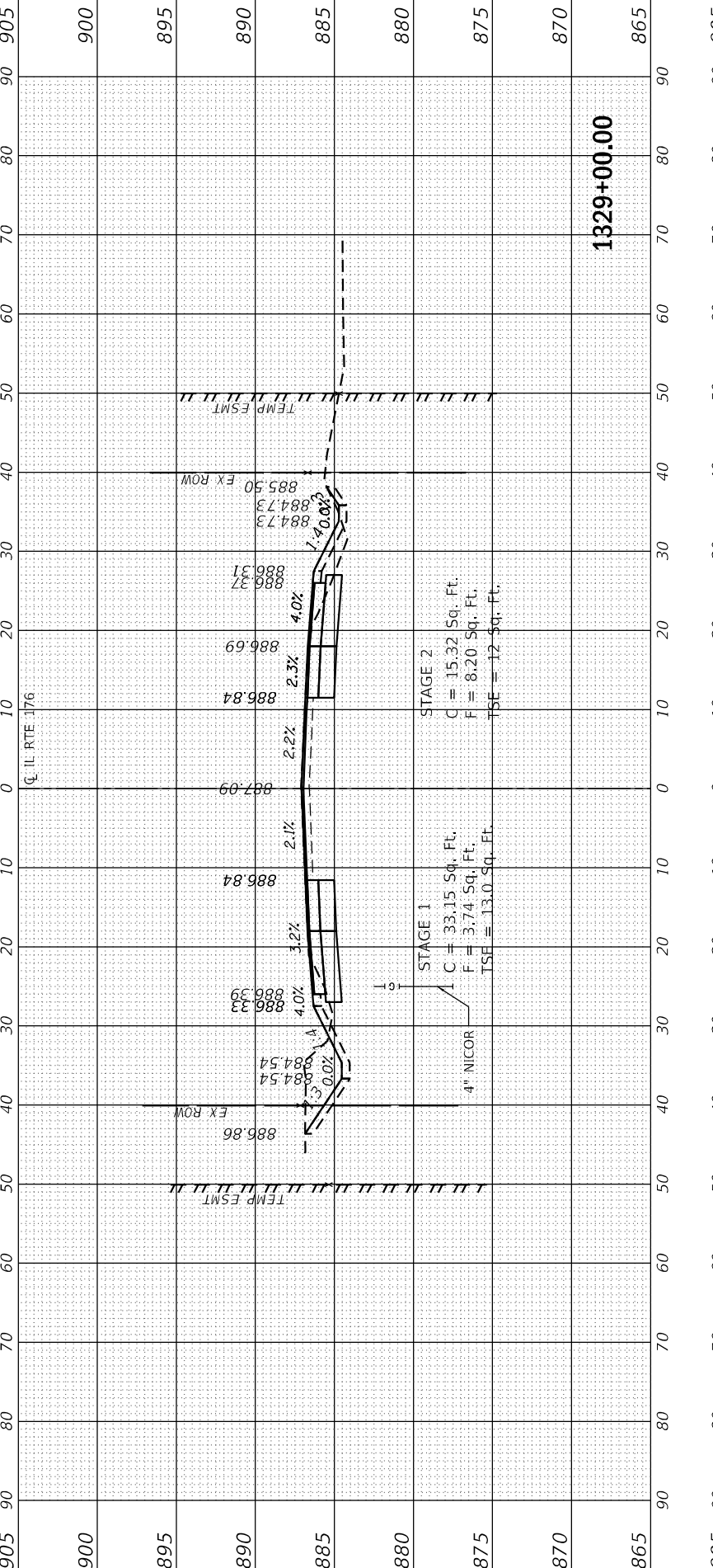
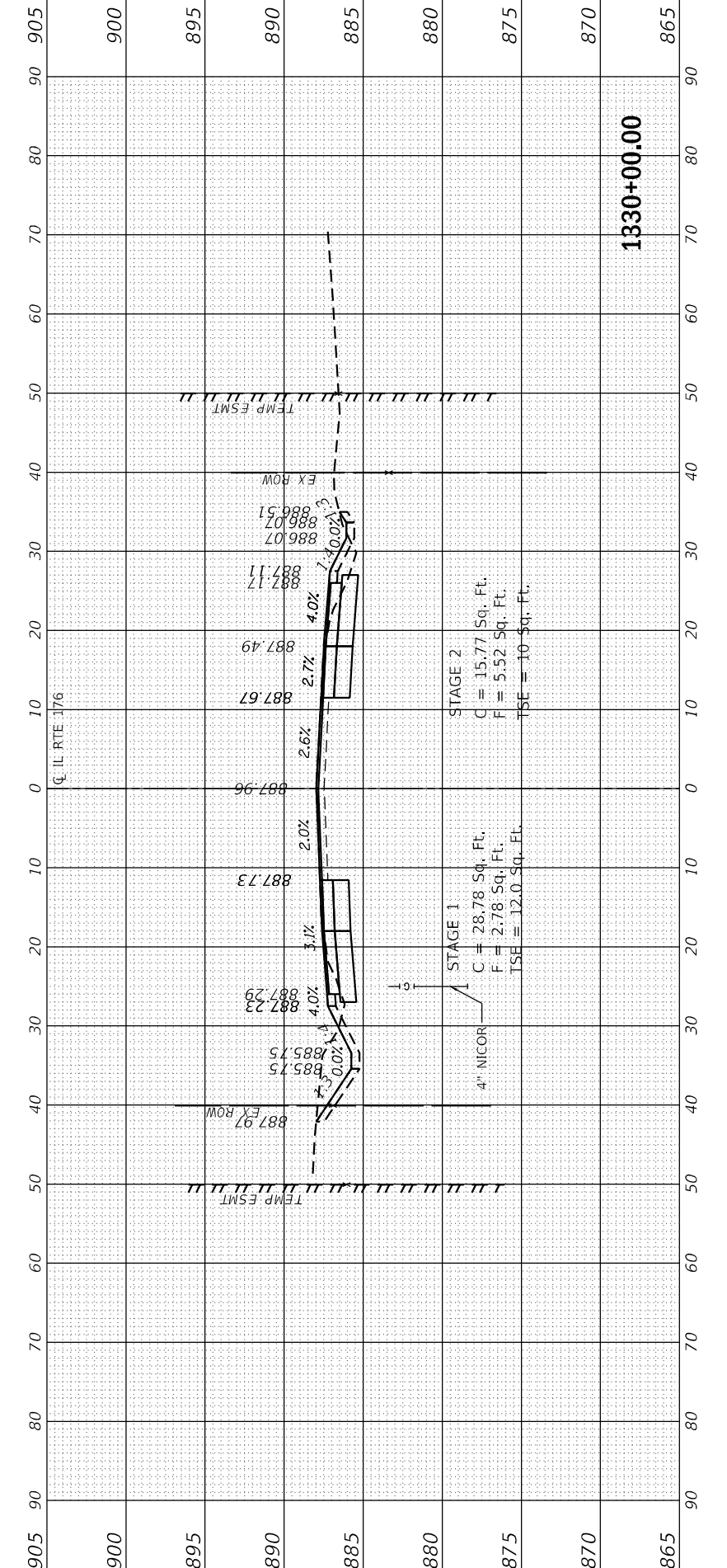
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	DRAWN - AB	REVISED -
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/23/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 35  
IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1328+00.00 TO STA. 1330+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 279
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	

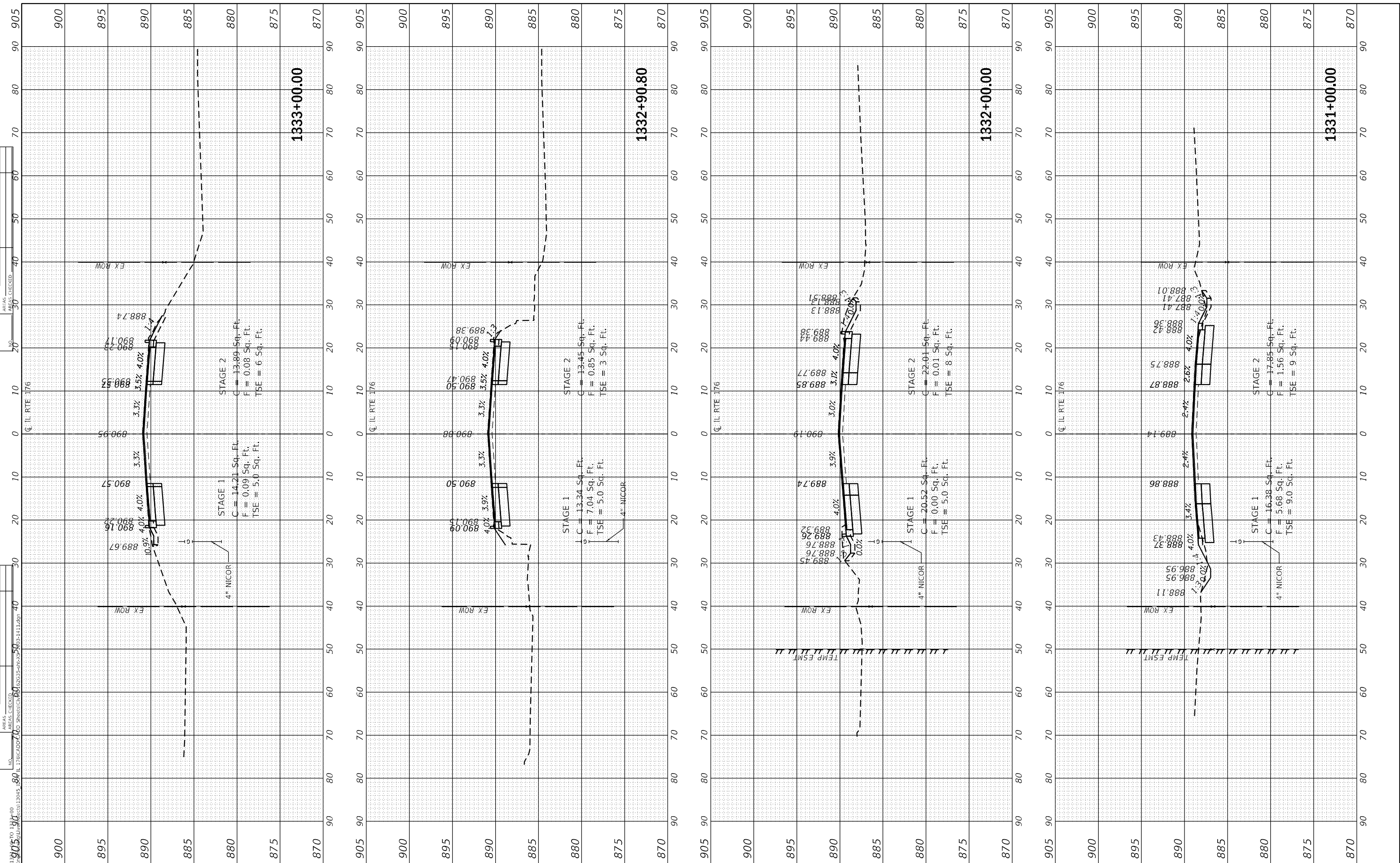


FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	NO.	CHECKED	

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

MODEL: IL 176-1 TO 1331+00  
 FILE NAME: G:\176\176-1\176-1.dwg

DATE: 06/17/2021



USER NAME	= jschumann
DESIGNED	- AB
DRAWN	- AB
CHECKED	- TGM
DATE	- 06-17-2021

REVISIONS	-
REVISIONS	-
REVISIONS	-
REVISIONS	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA. 1331+00.00 TO STA. 1333+00.00
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**CROSS SECTIONS - 36  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	280
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



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

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

MODEL: IL 176-1333+35 TO 1344+00  
 FILE NAME: G:\Engineering\Live\Projects\13045 - IDOT IL 176\ADD\CADD Sheets\CADD13045-35-1344.dgn



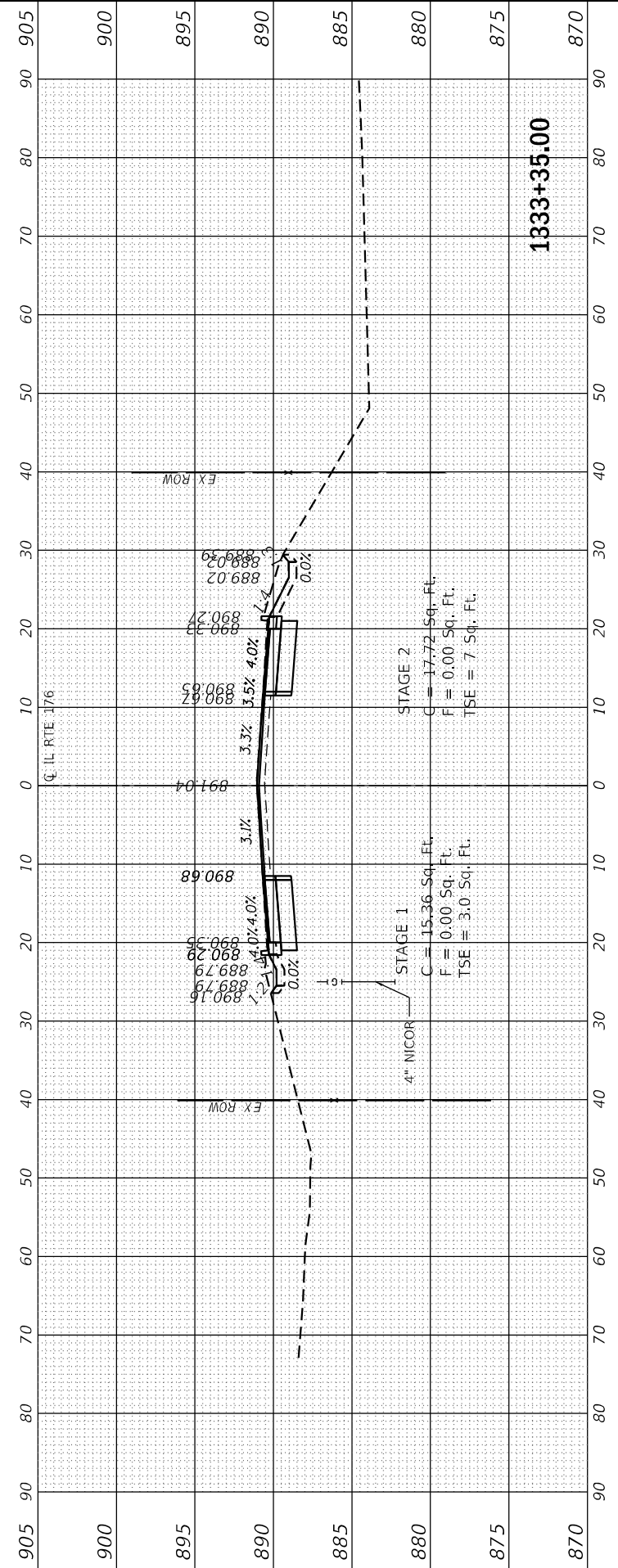
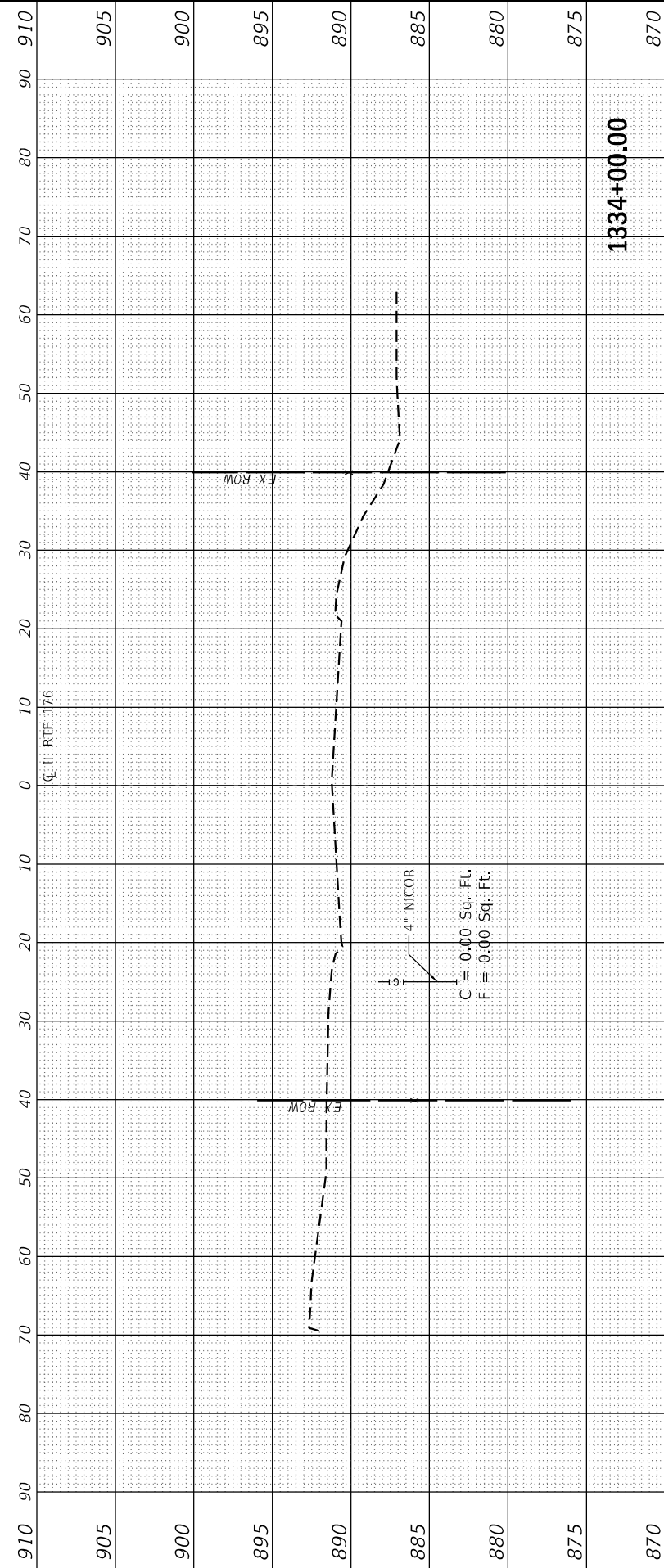
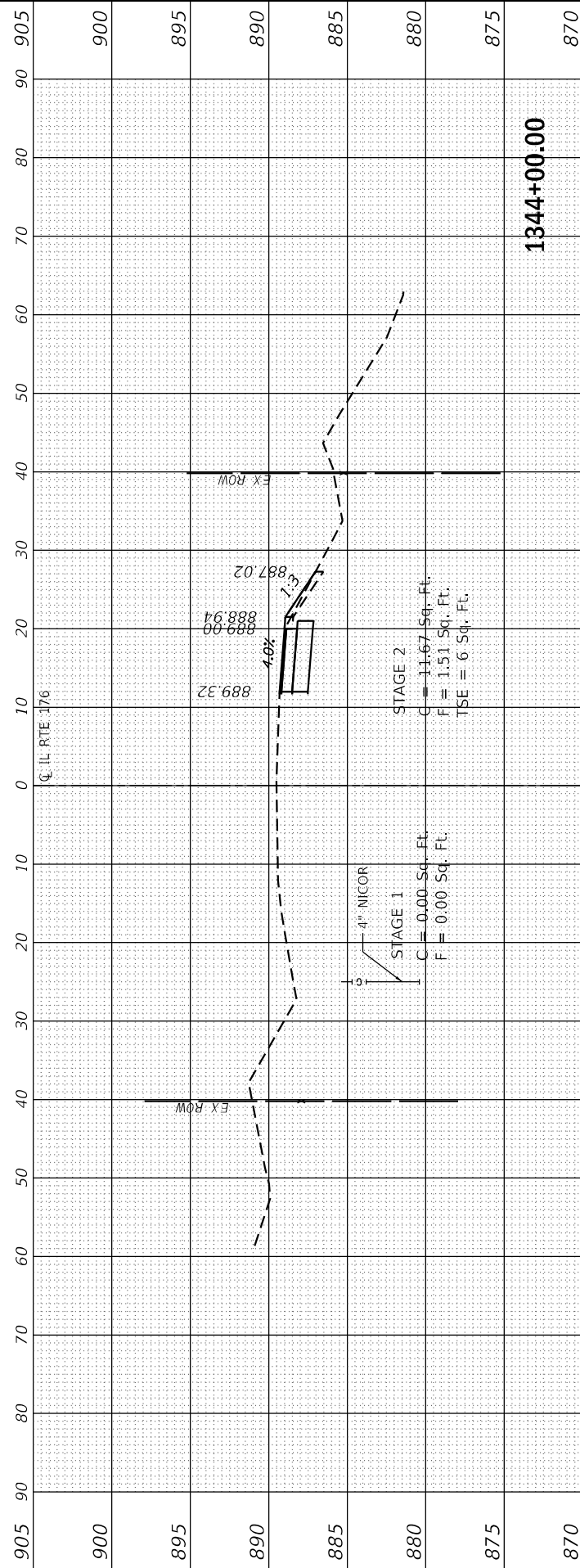
USER NAME = jschumann	DESIGNED - AB	REVISED -
	DRAWN - AB	REVISED -
PLOT SCALE = 20.0000" / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/23/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 37  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1333+35.00 TO STA. 1344+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 281
ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 62G35		



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

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

MODEL: IL 176-1345+00 TO 1346+00  
 FILE NAME: G:\Engineering\Live\Projects\1345\DOT IL 176\CADD\CADD Sheets\CADD\13453-Sub-XS\_1003-1411.dgn



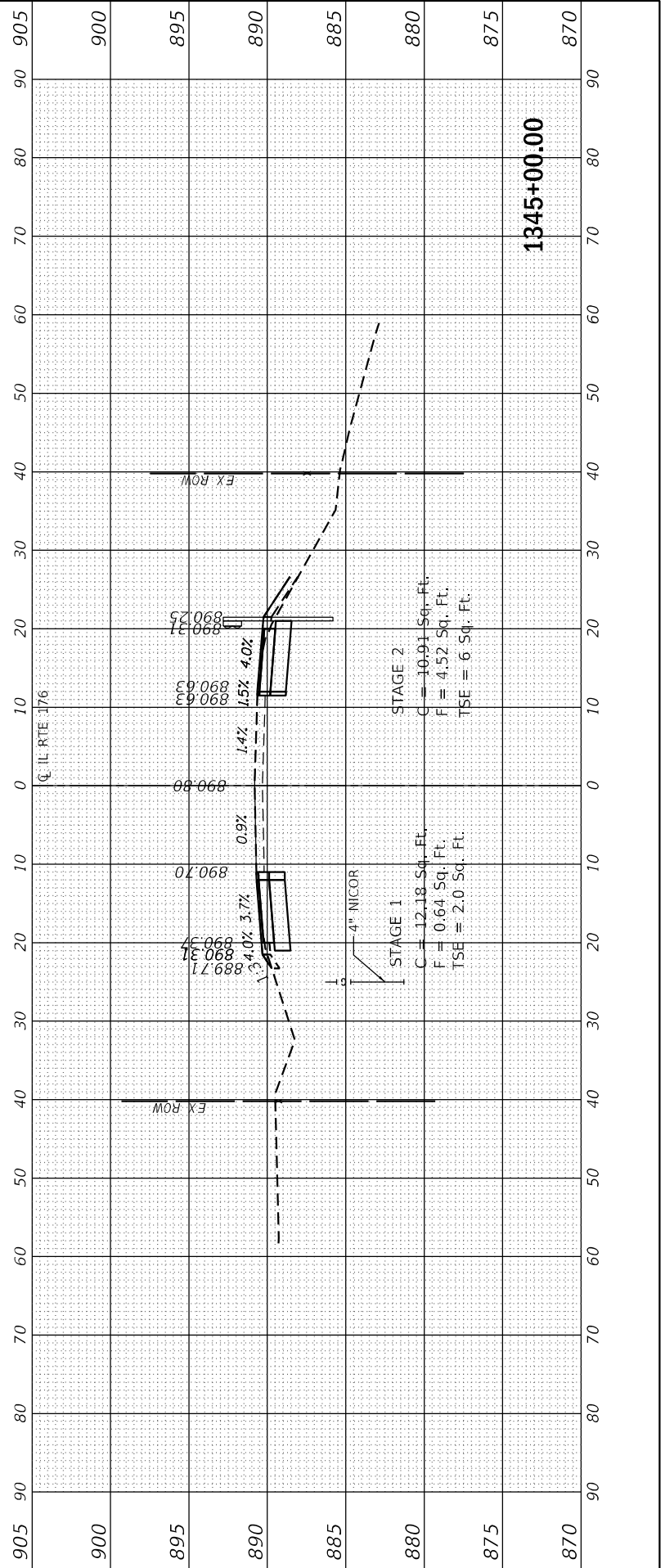
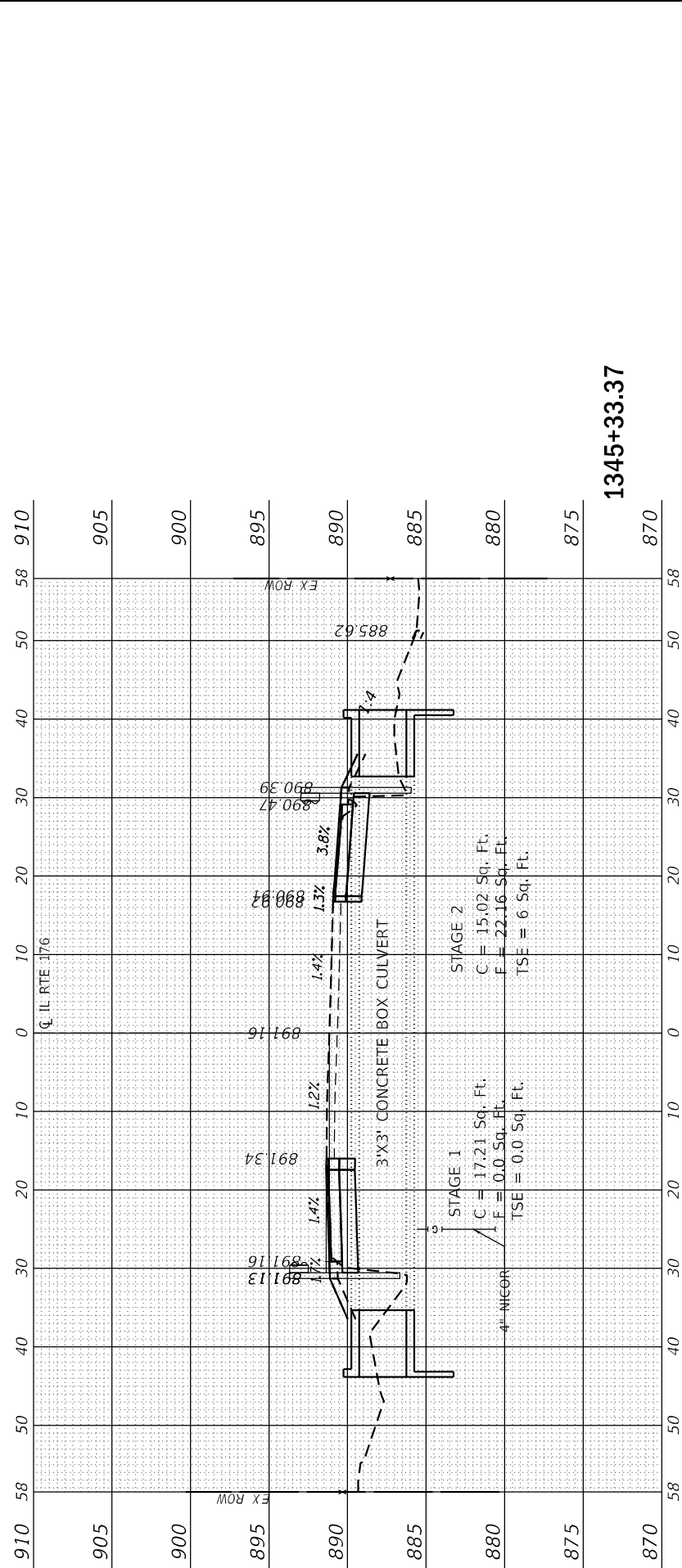
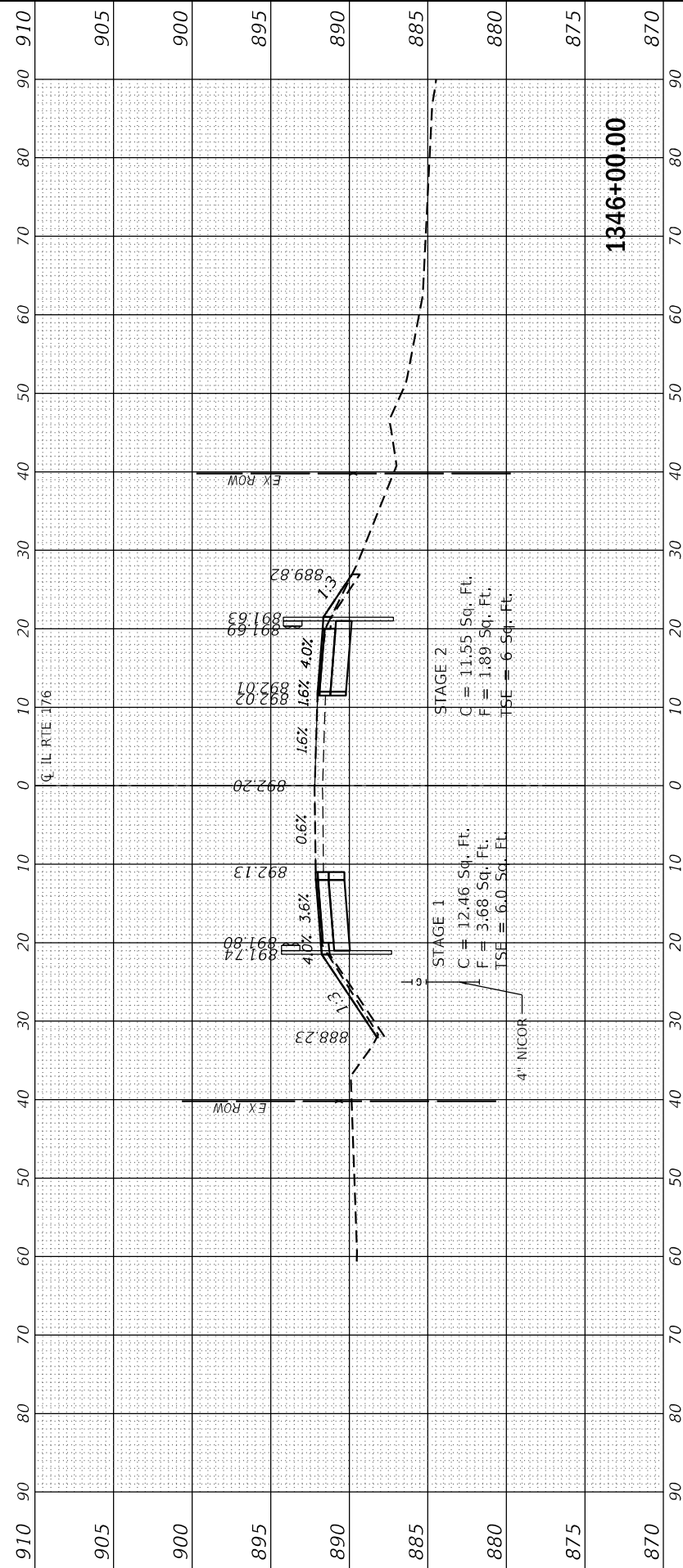
USER NAME = jschumann	DESIGNED - AB	REVISED -
	DRAWN - AB	REVISED -
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/23/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 38  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1345+00.00 TO STA. 1346+00.00

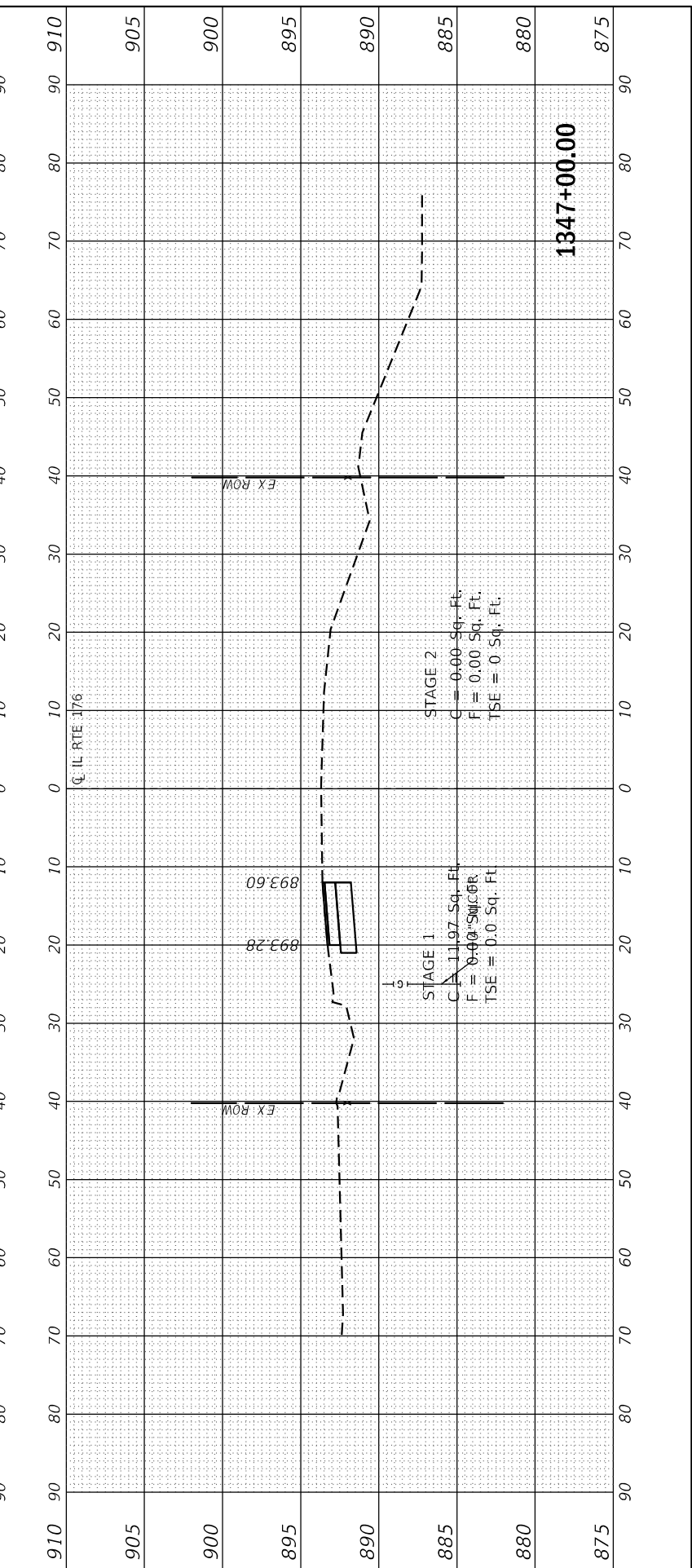
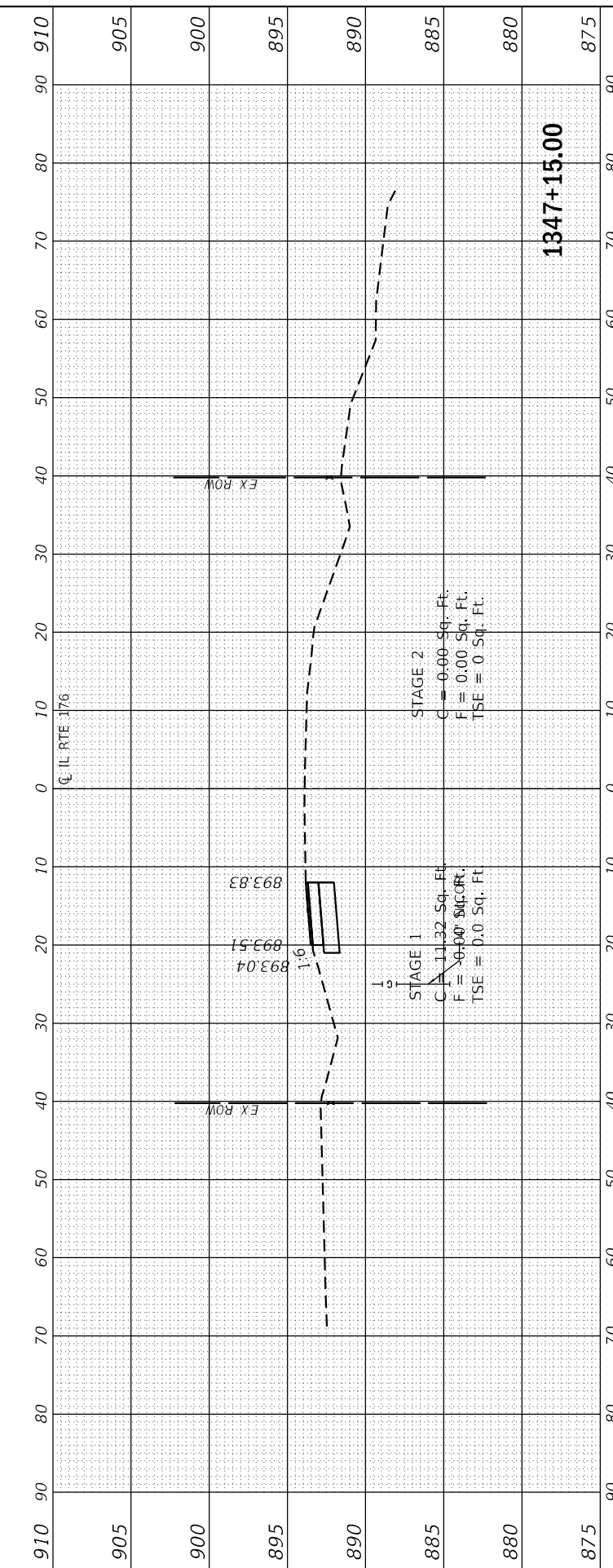
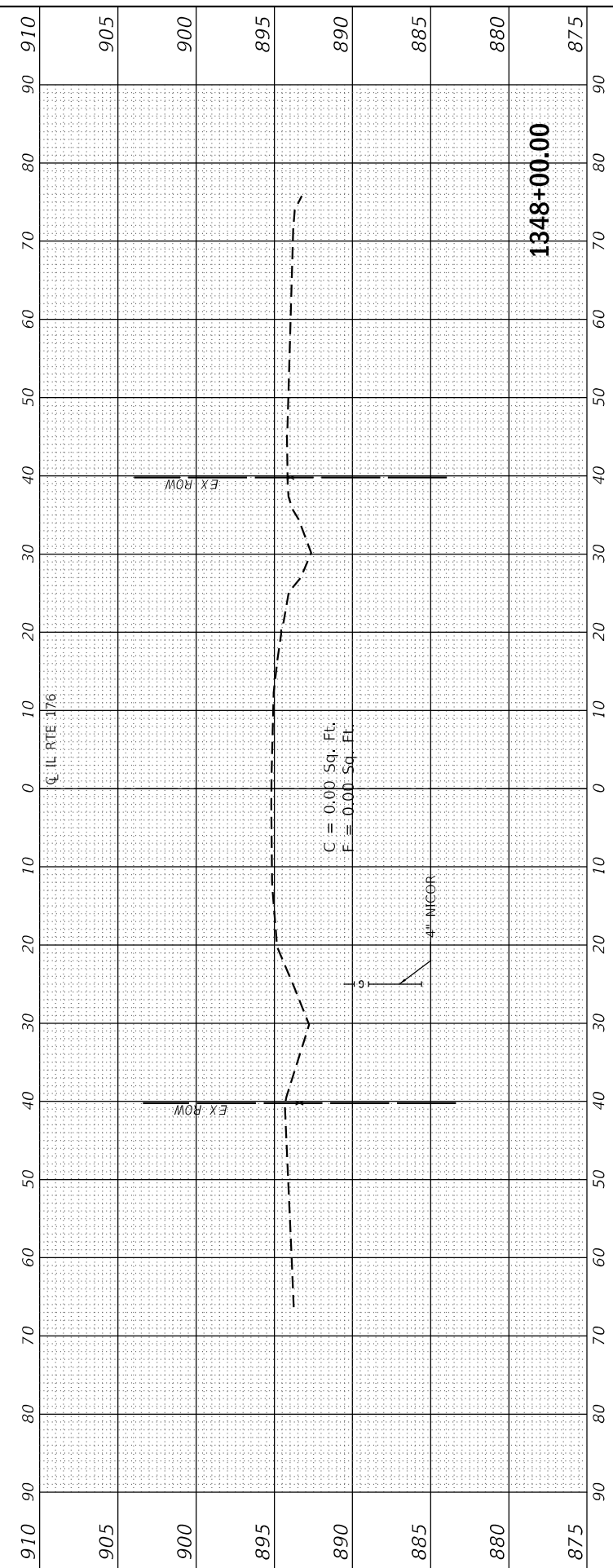
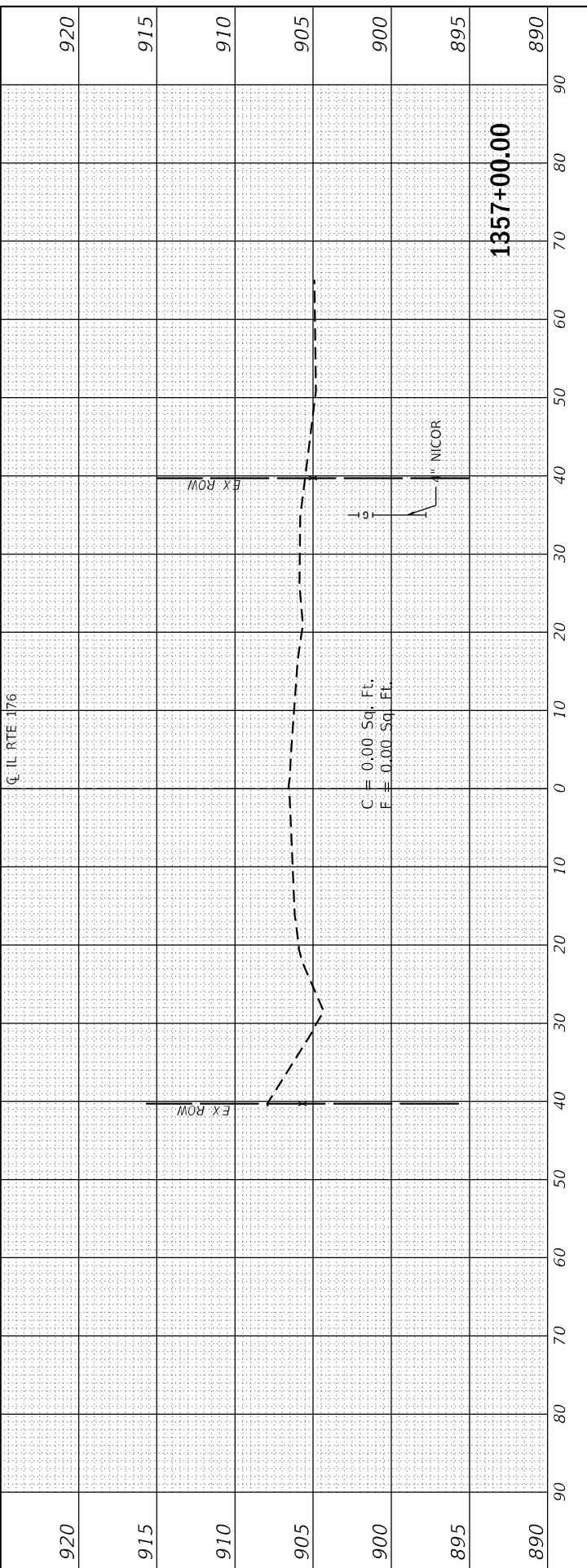
F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 282
ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 62G35		



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

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

MODEL: IL 176-1 TO 136-00  
 FILE NAME: Q:\176\176CADD\176CROSS\176CROSS-1411.dgn



USER NAME	= jschumann
DESIGNED	- AB
DRAWN	- AB
PLOT SCALE	= 20.0024" / in.
PLOT DATE	= 6/23/2021

REVISOR	-
REVISION	-
CHECKED	- TGM
DATE	- 06-17-2021

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 39  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

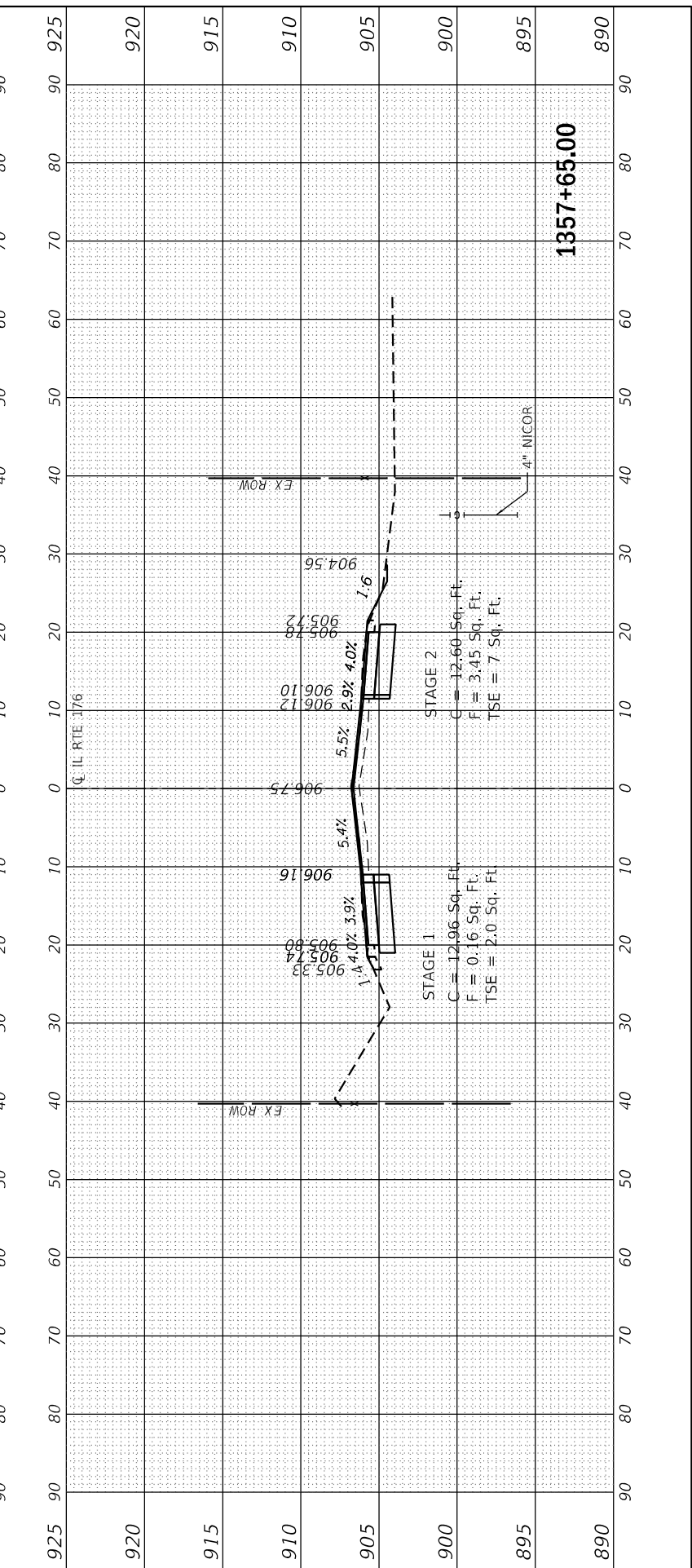
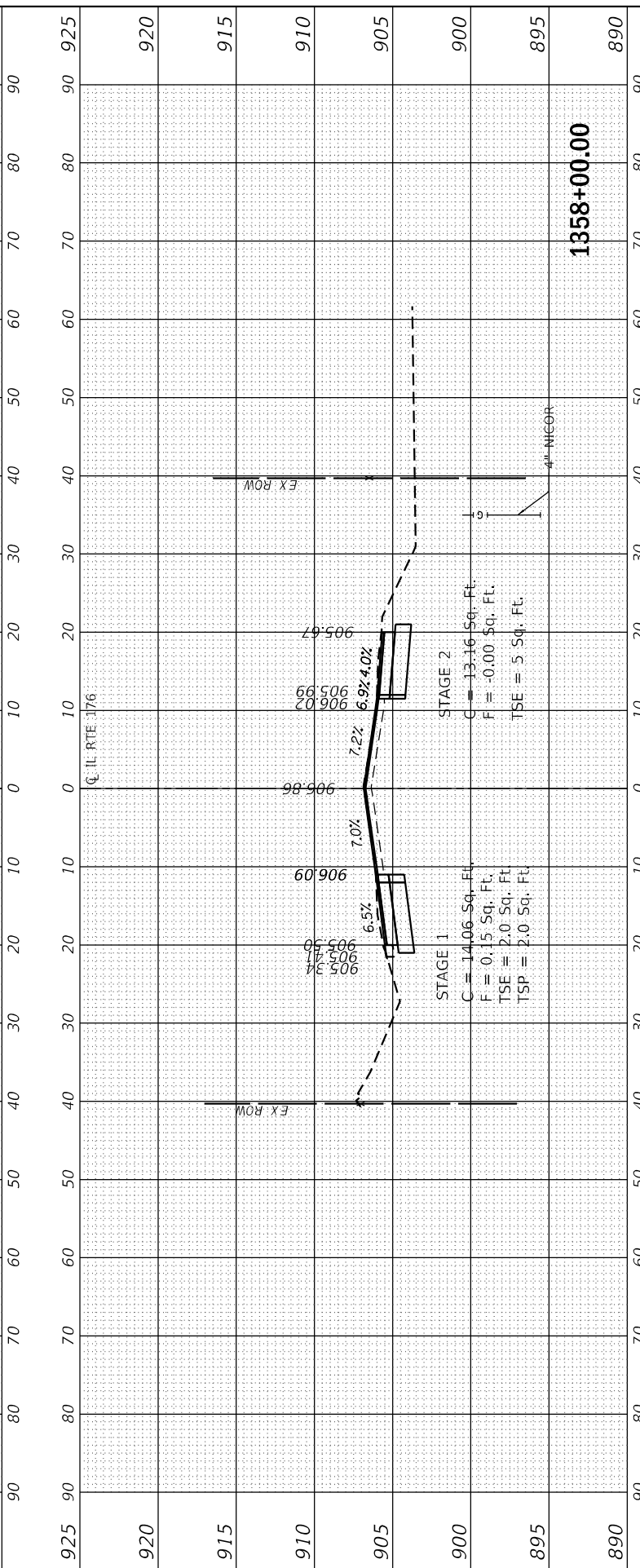
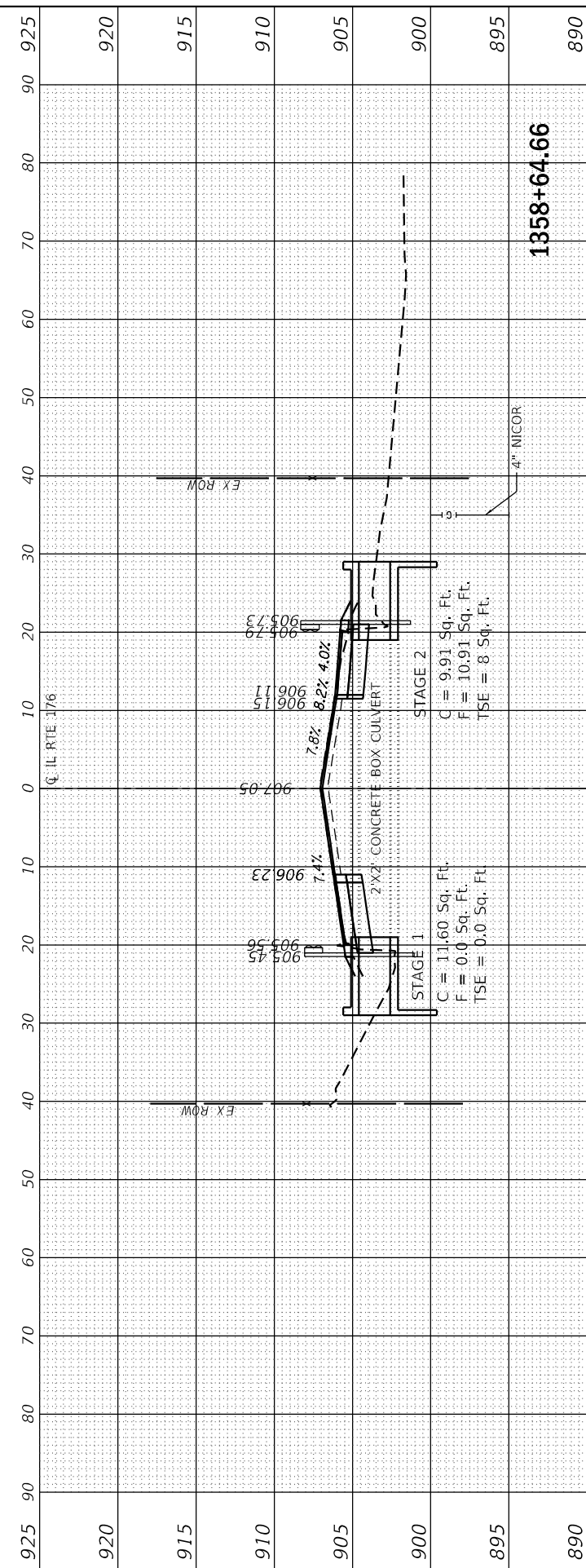
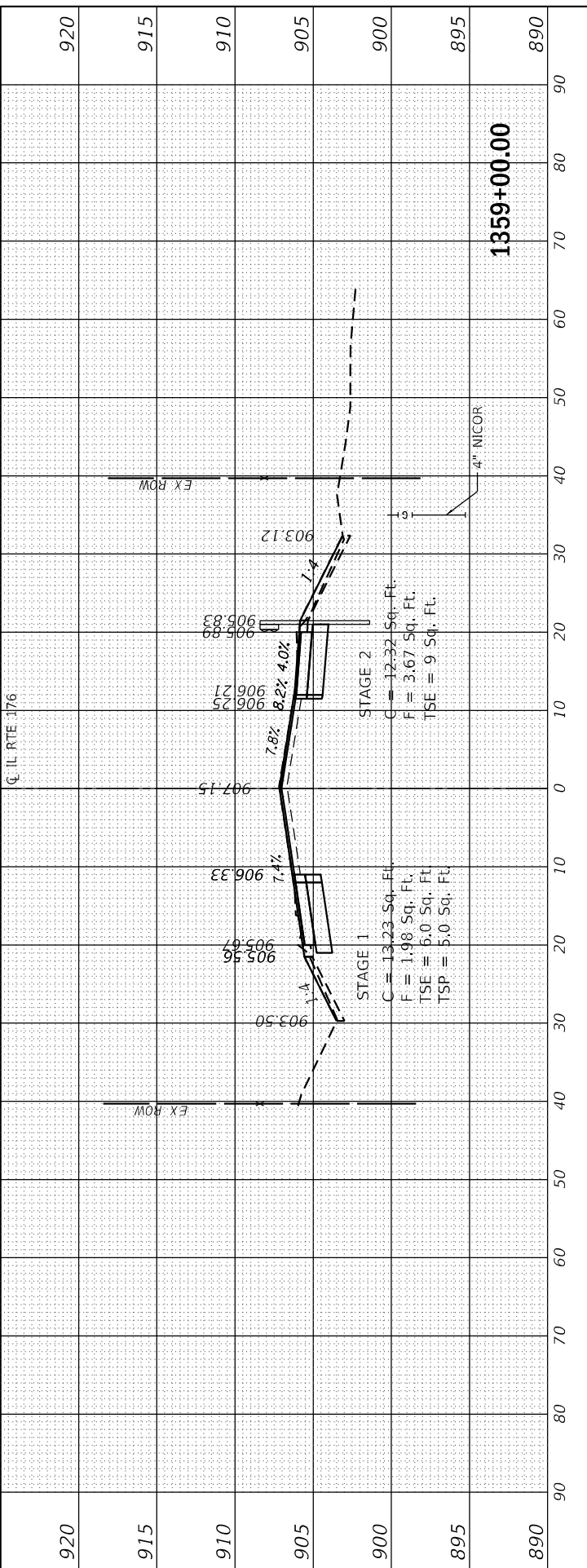
SCALE: SHEET OF SHEETS STA. 1347+00.00 TO STA. 1357+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	283
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	

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

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

MODEL: IL 176-1357 TO 1359-00  
 FILE NAME: G:\176\1357 TO 1359-00\1357-1359-00.dwg



USER NAME	= jschumann
DESIGNED	- AB
DRAWN	- AB
CHECKED	- TGM
DATE	- 06-17-2021

REVISIONS	-
REVISIONS	-
REVISIONS	-
REVISIONS	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 40  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1357+65.00 TO STA. 1359+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	284
			CONTRACT NO. 62G35	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: IL 176-1359+69 TO 1360+00  
 FILE NAME: G:\Engineering\Live\Projects\1360\DOT IL 176\CADD\CADD Sheets\CADD Sheets\CADD Sheets\1360-1411.dgn



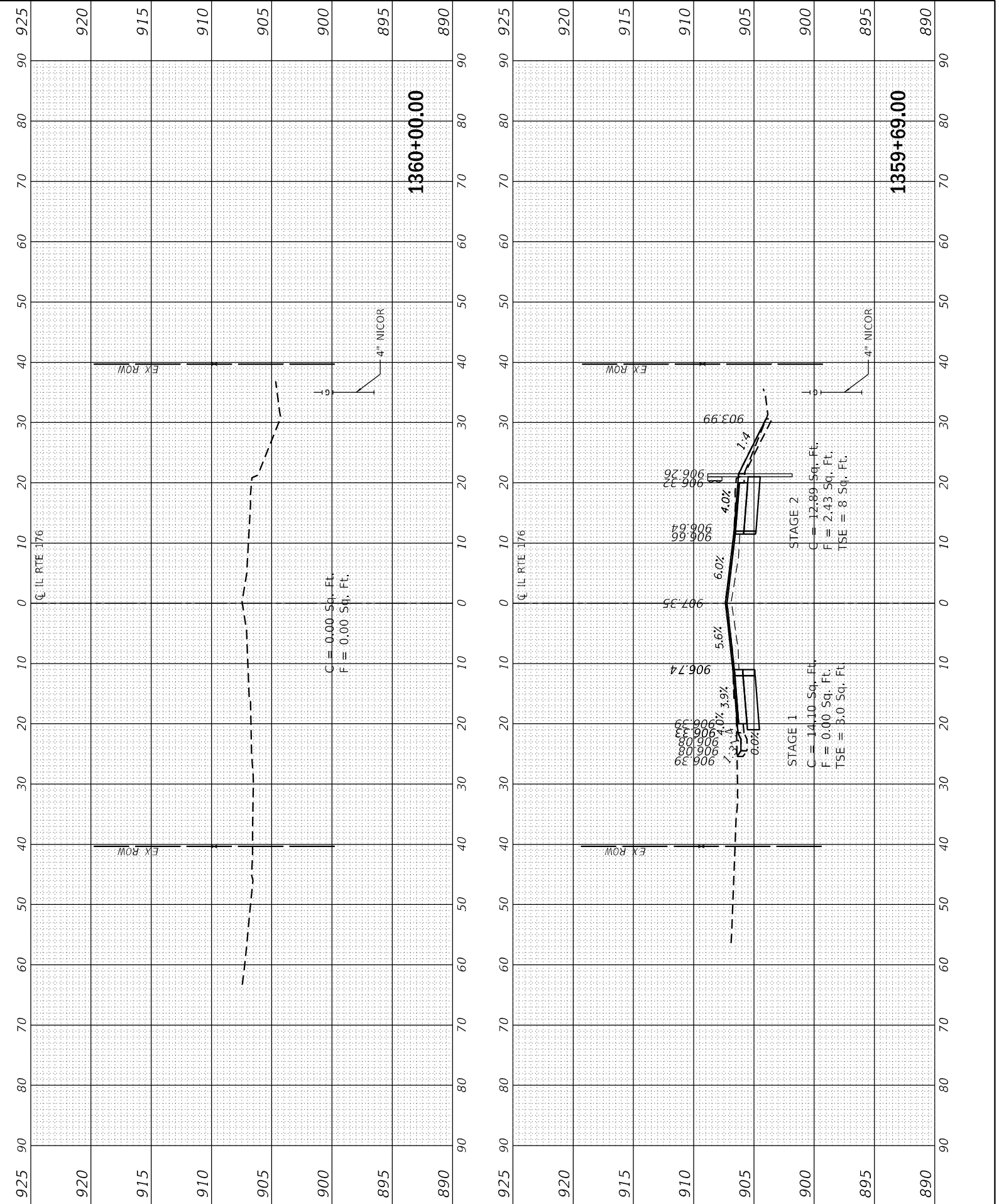
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PLOT SCALE = 20.0000' / in.	DRAWN - AB	REVISED -
PLOT DATE = 6/23/2021	CHECKED - TGM	REVISED -
	DATE - 06-17-2021	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - 41  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)

SCALE: SHEET OF SHEETS STA. 1359+69.00 TO STA. 1360+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 285
ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 62G35		



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

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

MODEL: IL 176-1372+00 TO 1373+00  
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DRAWN	- AB
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PLOT DATE	= 6/23/2021

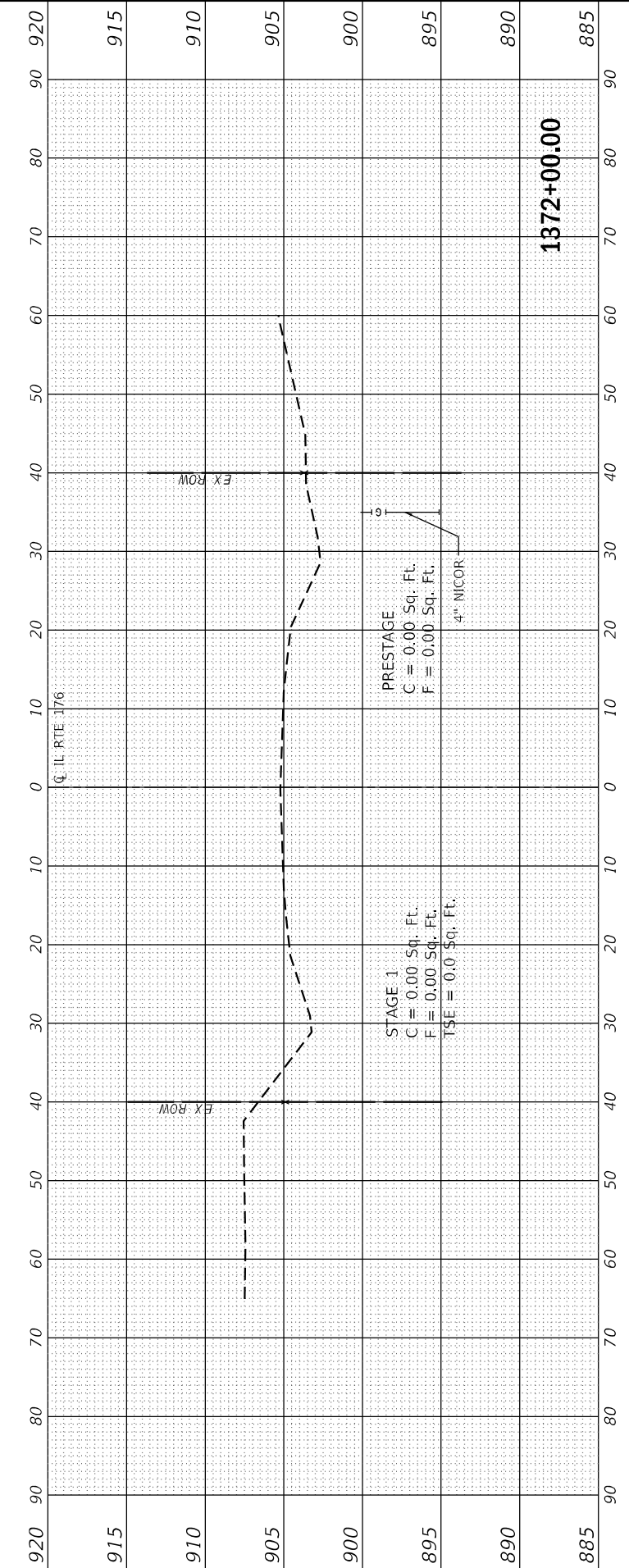
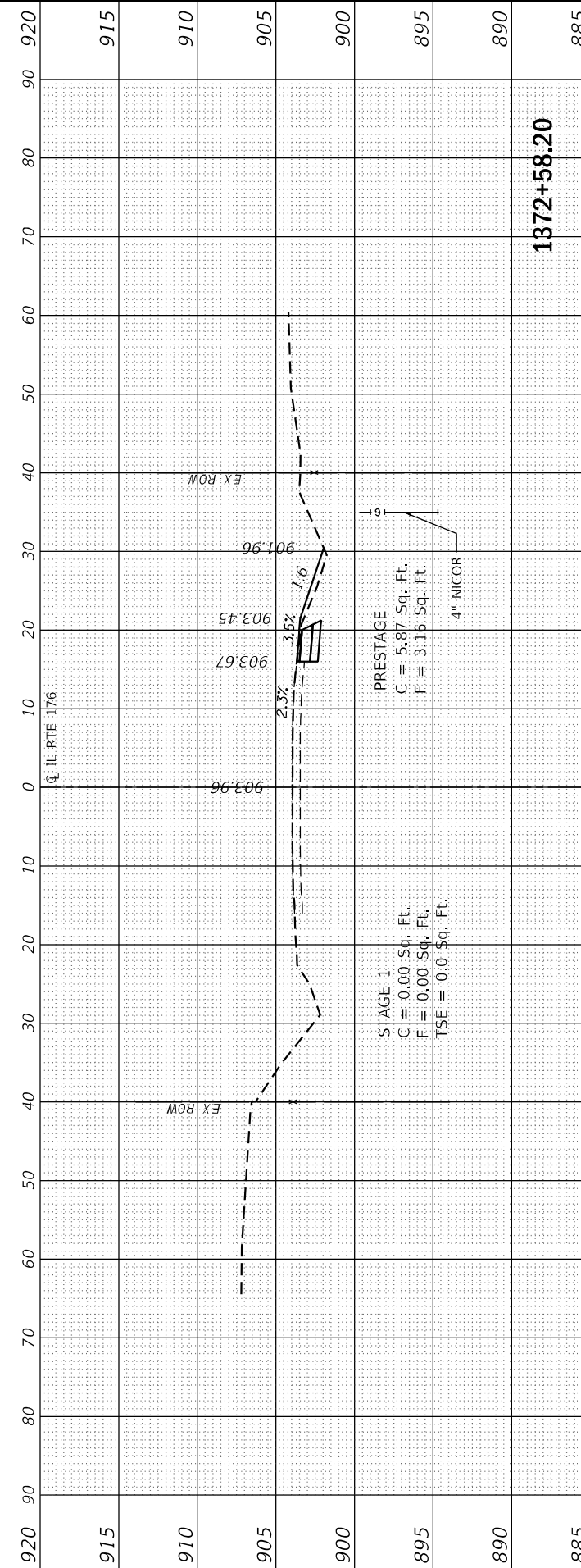
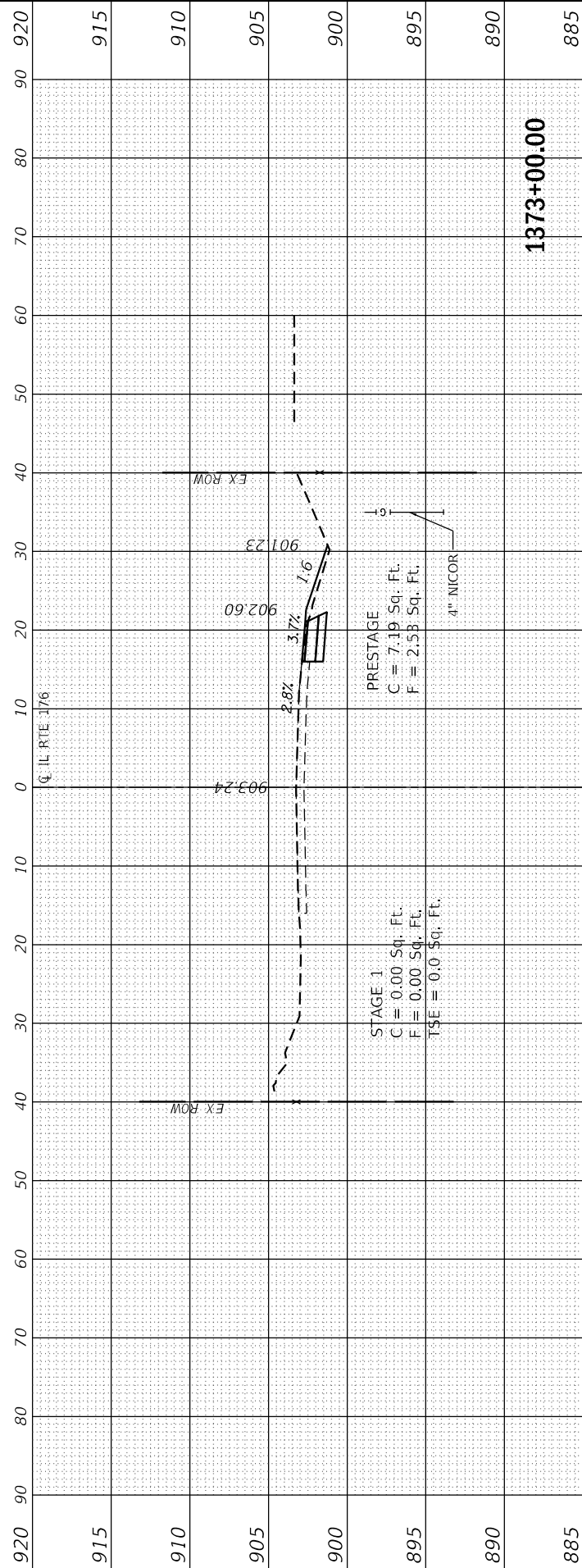
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REVISION	-
CHECKED	- TGM
DATE	- 06-17-2021

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 42  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1372+00.00 TO STA. 1373+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	286
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



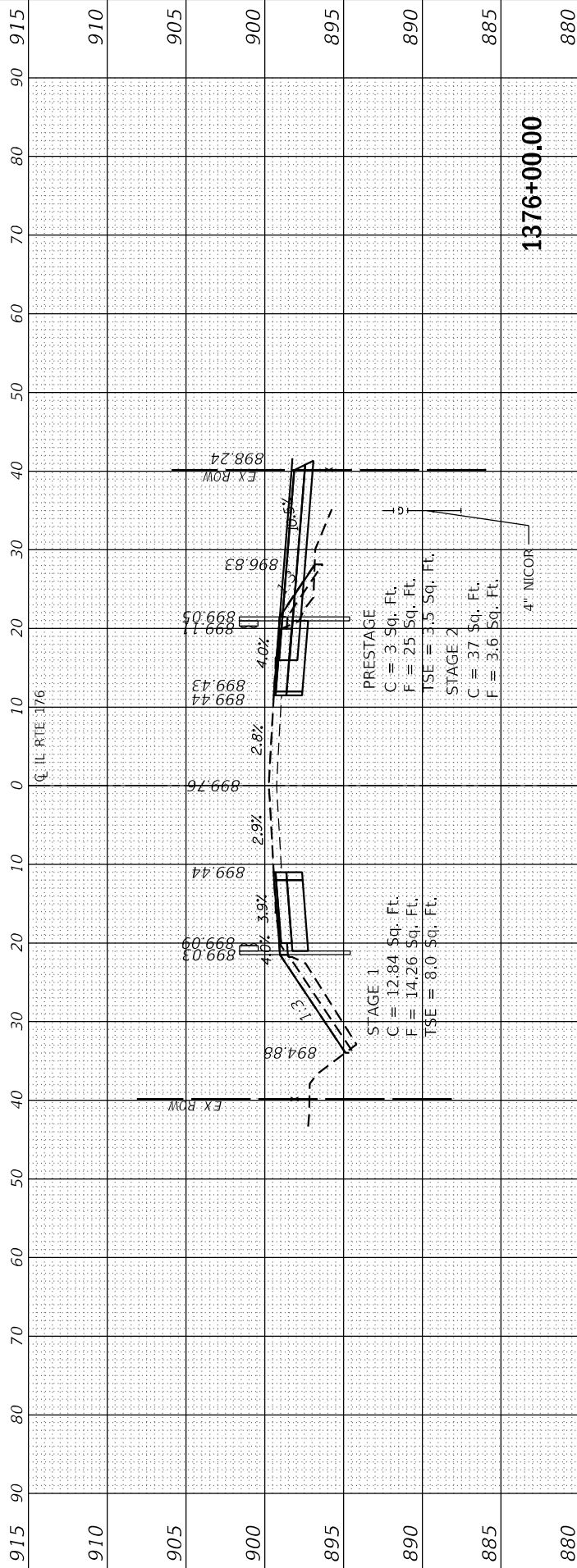
FINAL SURVEY NO.	SURVEY PLOTTED	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED	AREAS CHECKED

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

MODEL: IL 176-1374+00 TO 1376+00  
FILE NAME: G:\Engineering\Live\Projects\13745\_IDOT\_IL\_176\CADD\CADD\_Sheets\CWID\16763-shs-XS-1003-1411.dgn



USER NAME = jschumann	DESIGNED - AB	REVISIED -
PLOT SCALE = 20.0012' / in.	DRAWN - AB	REVISIED -
PLOT DATE = 6/23/2021	CHECKED - TGM	REVISIED -
	DATE - 06-17-2021	REVISIED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - 43  
IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)

SCALE: SHEET OF SHEETS STA. 1374+00.00 TO STA. 1376+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY McHENRY	TOTAL SHEETS 300	SHEET NO. 287
ILLINOIS		FED. AID PROJECT		

1376+00.00

1375+00.00

1374+00.00

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

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

MODEL: IL 176-1376-10 TO 1378-00  
 FILE NAME: G:\Engineering\Live\Projects\1376-10\DOT IL 176\CADD\CADD Sheets\CADD Sheets\CADD Sheets\1376-10.dgn



USER NAME = jschumann  
 DESIGNED - AB  
 DRAWN - AB  
 PLOT SCALE = 20.0012' / in.  
 CHECKED - TGM  
 PLOT DATE = 6/23/2021  
 DATE - 06-17-2021

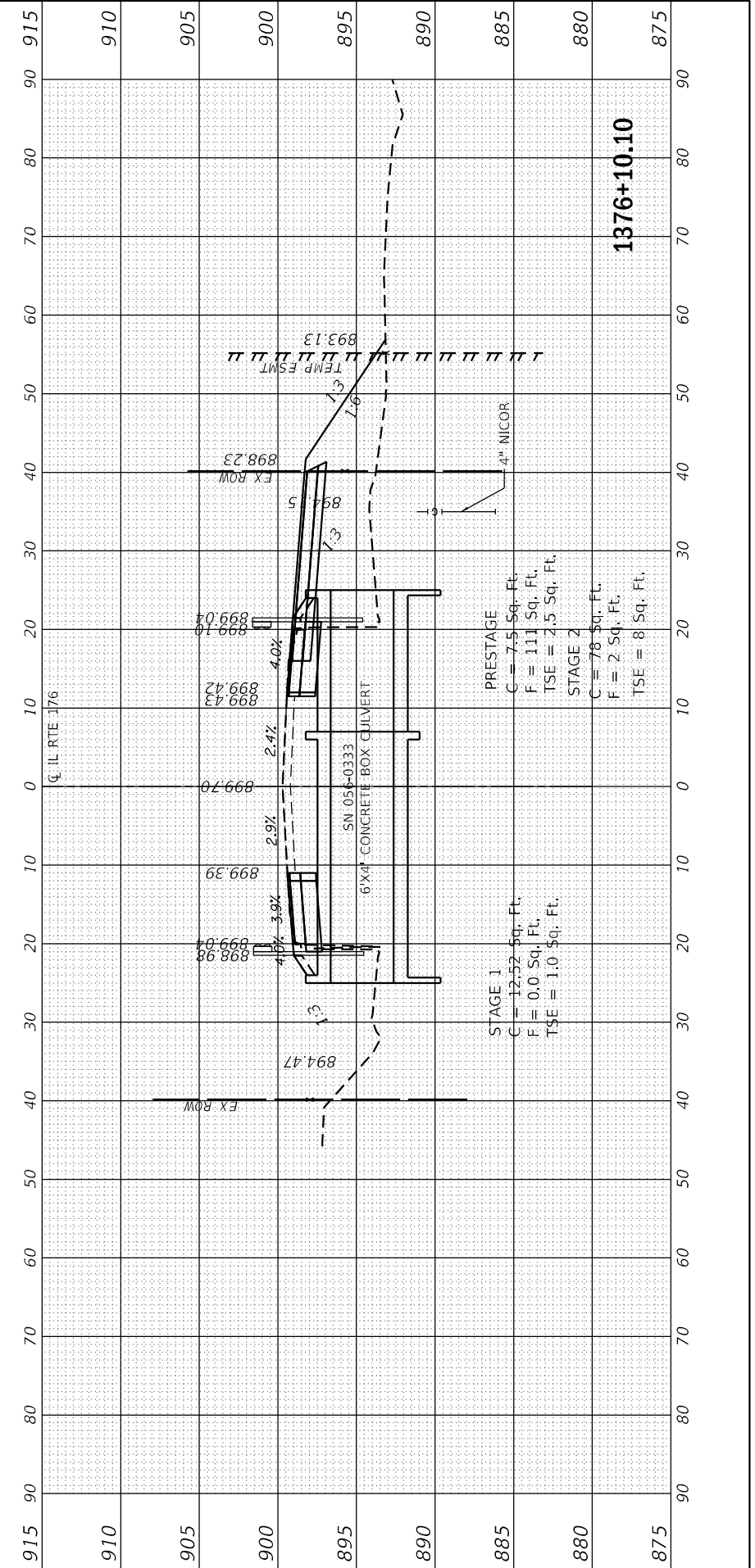
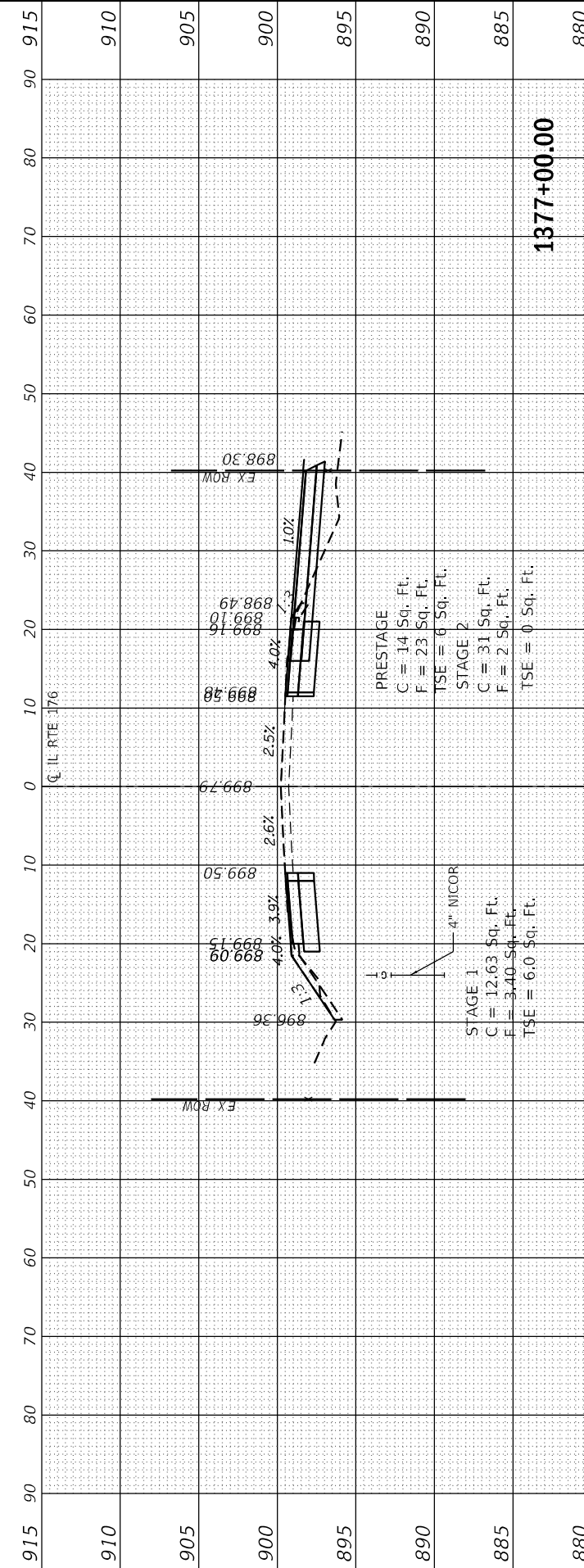
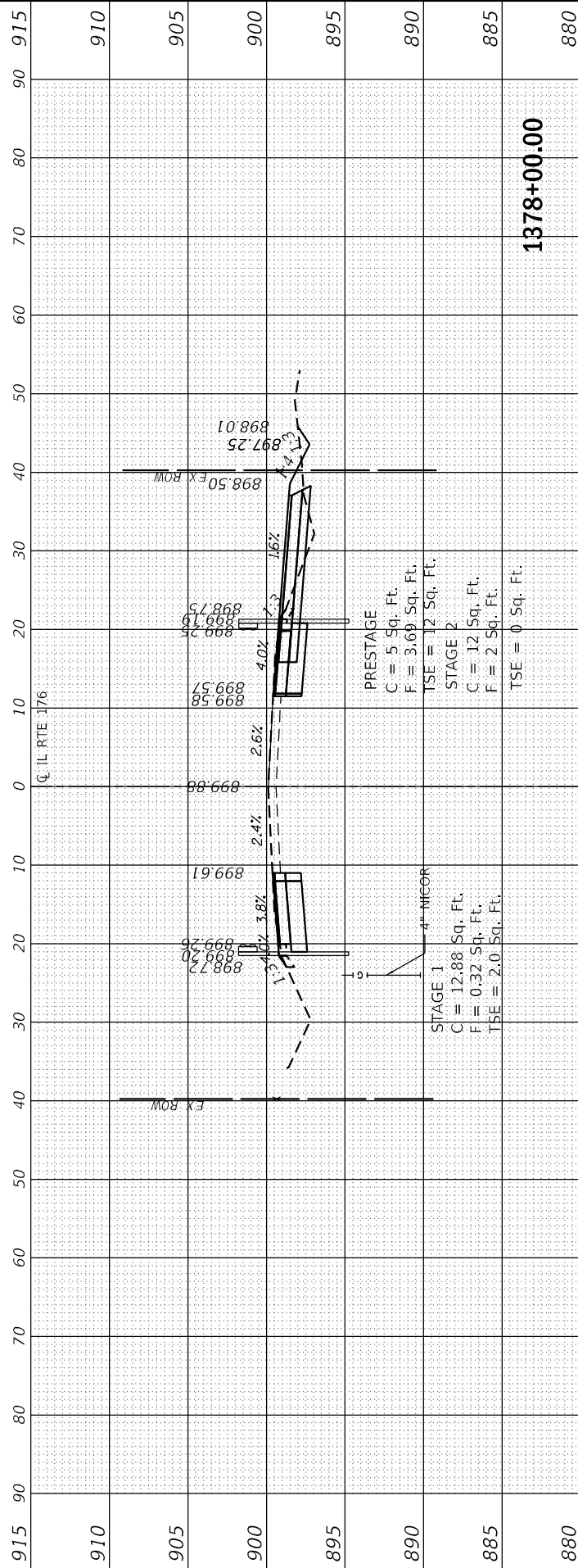
REVISIONS  
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 REVISIONS  
 REVISIONS

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 44  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1376+10.10 TO STA. 1378+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	288
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	





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

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

MODEL: IL 176-1378+50 TO 1379+67  
 FILE NAME: G:\Engineering\Live\Projects\13045 IDOT IL 176\CADD\CADD Sheets\CADD Sheets\CADD Sheets\13045-1411.dgn



USER NAME = jschumann
PLOT SCALE = 20.0012' / in.
PLOT DATE = 6/18/2021

DESIGNED - AB
DRAWN - AB
CHECKED - TGM
DATE - 06-17-2021

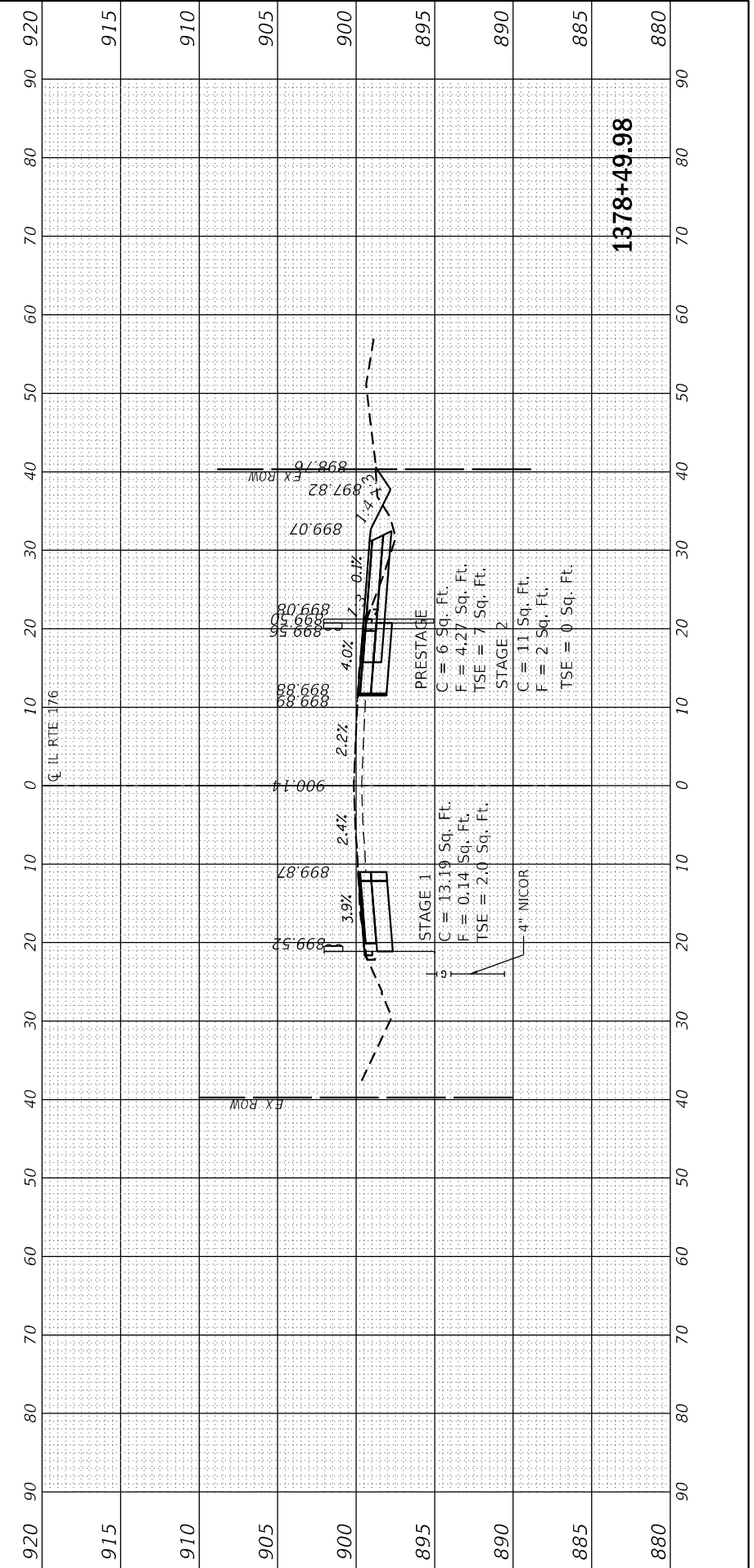
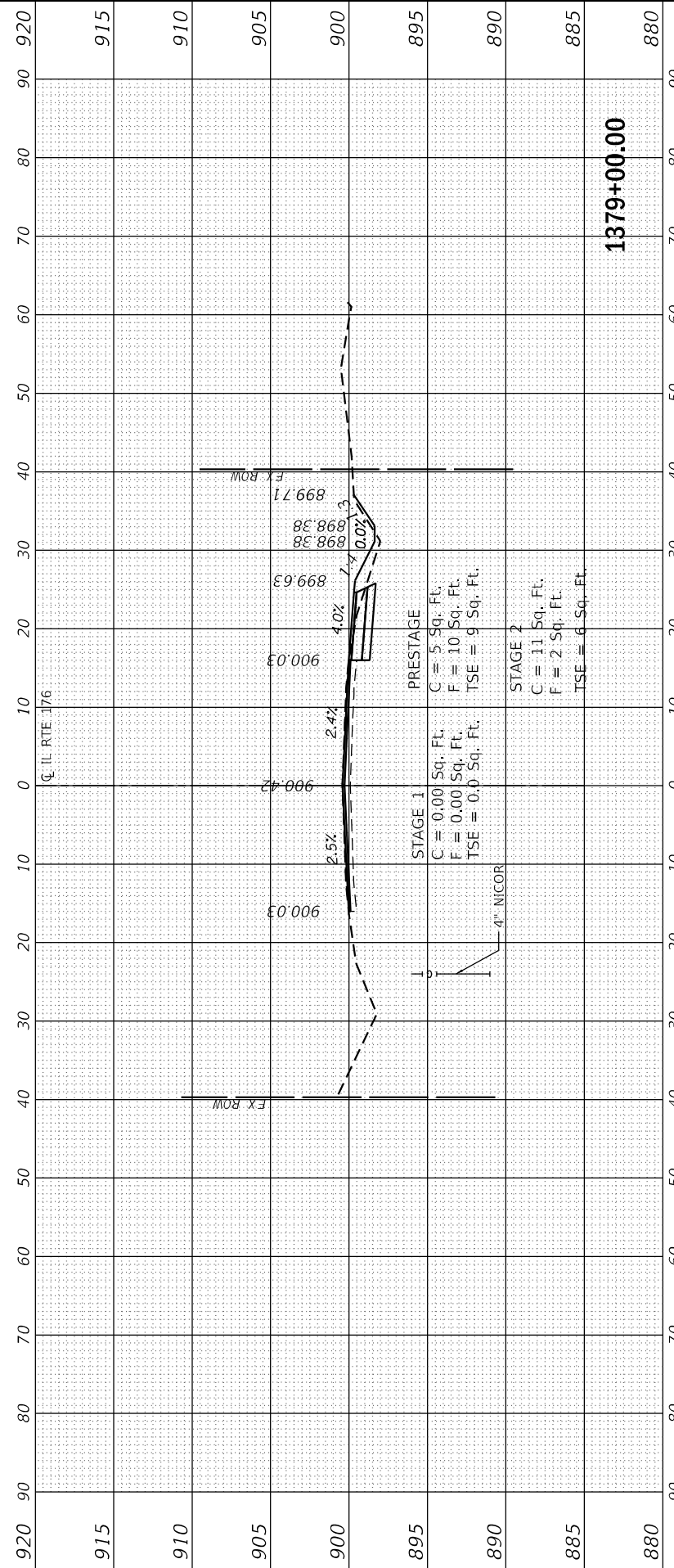
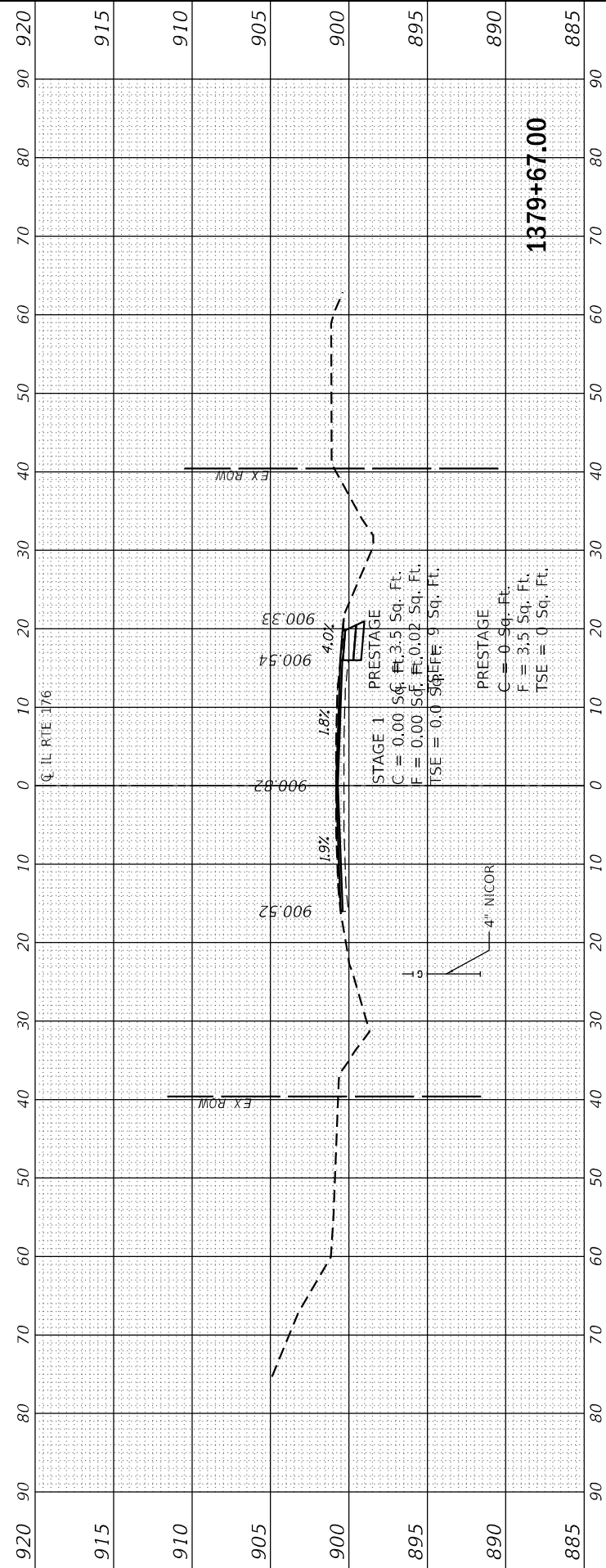
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 1378+49.98 TO STA. 1379+67.00
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**CROSS SECTIONS - 45  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

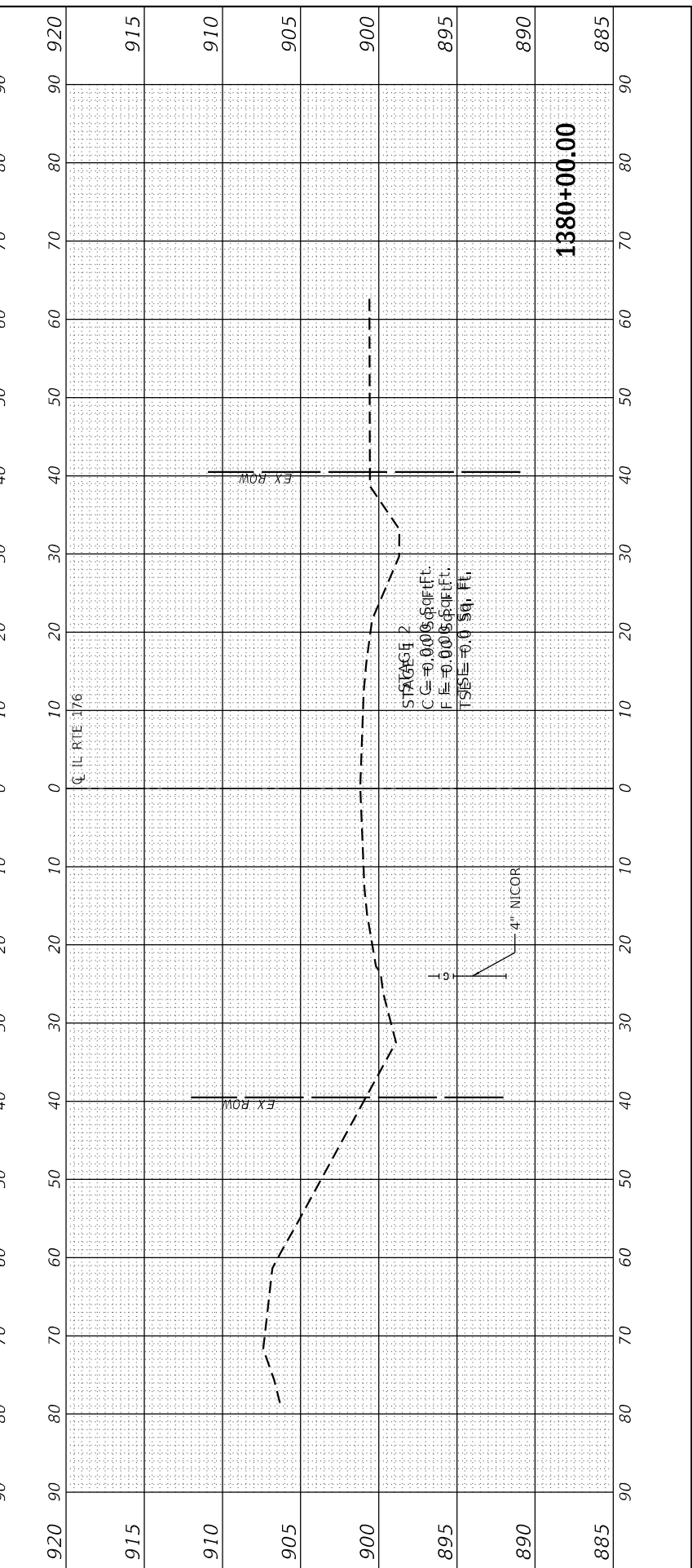
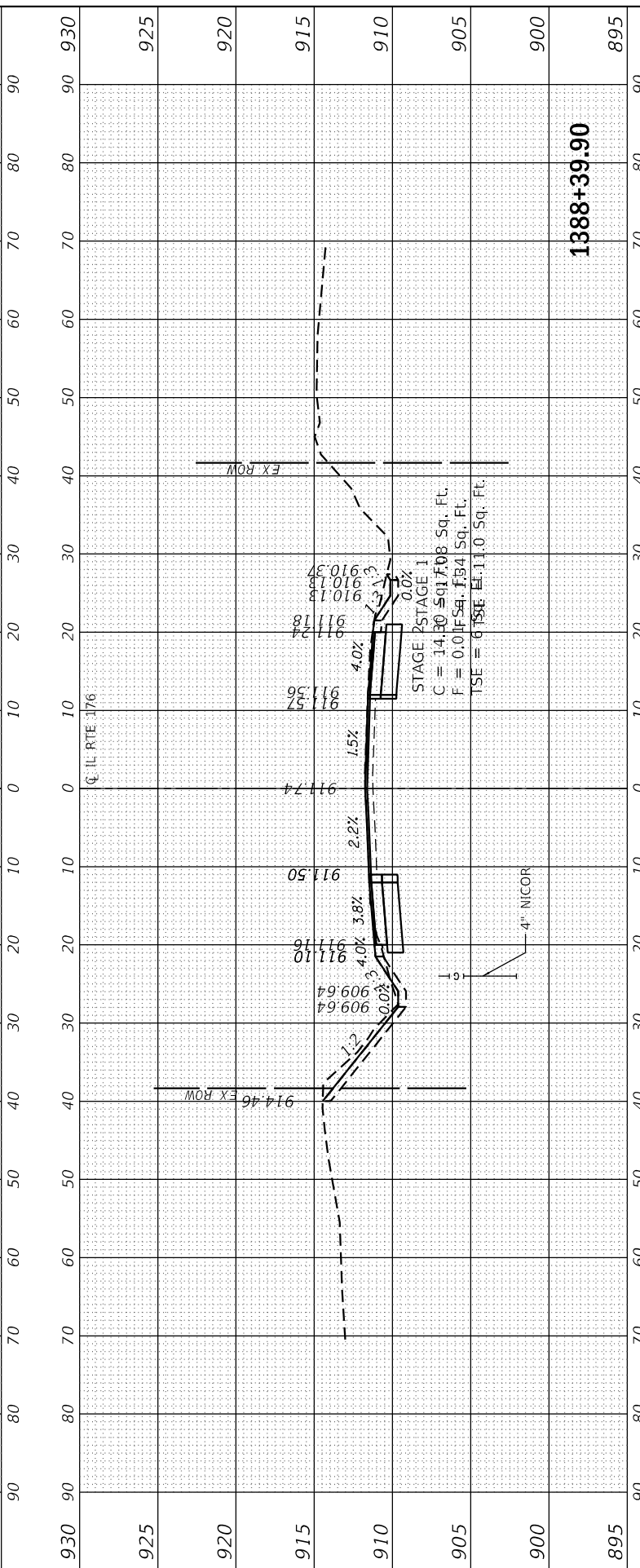
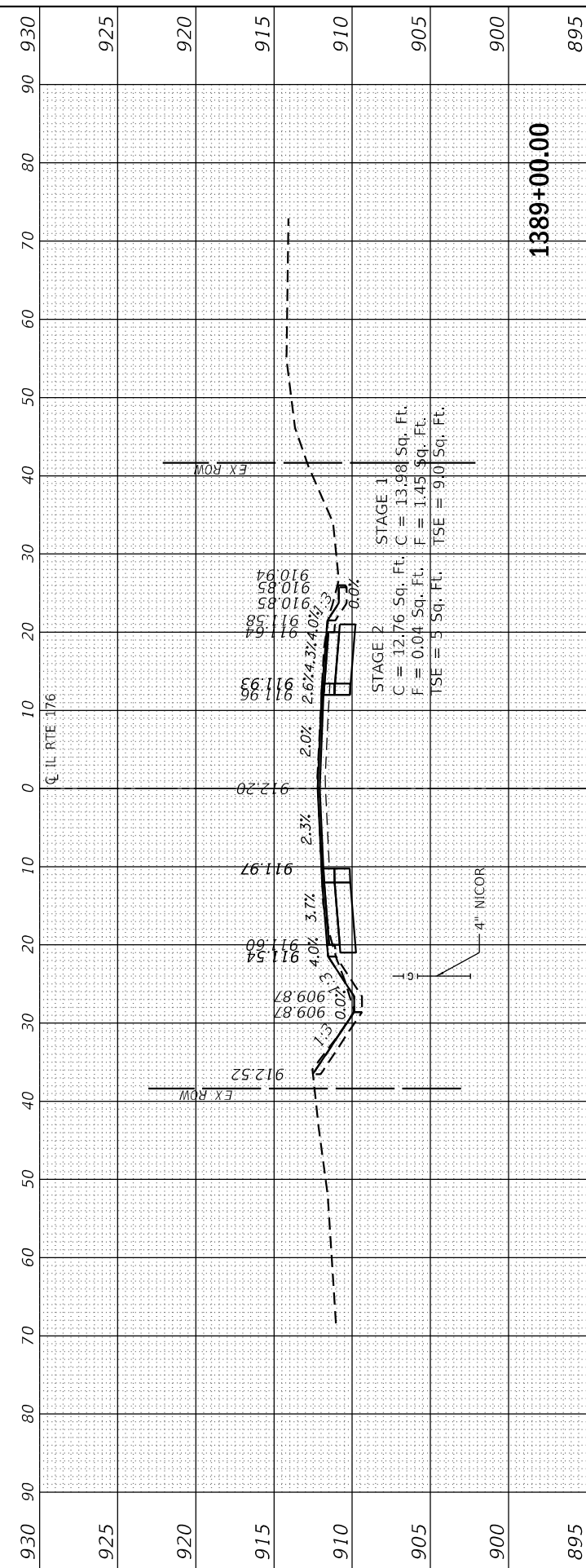
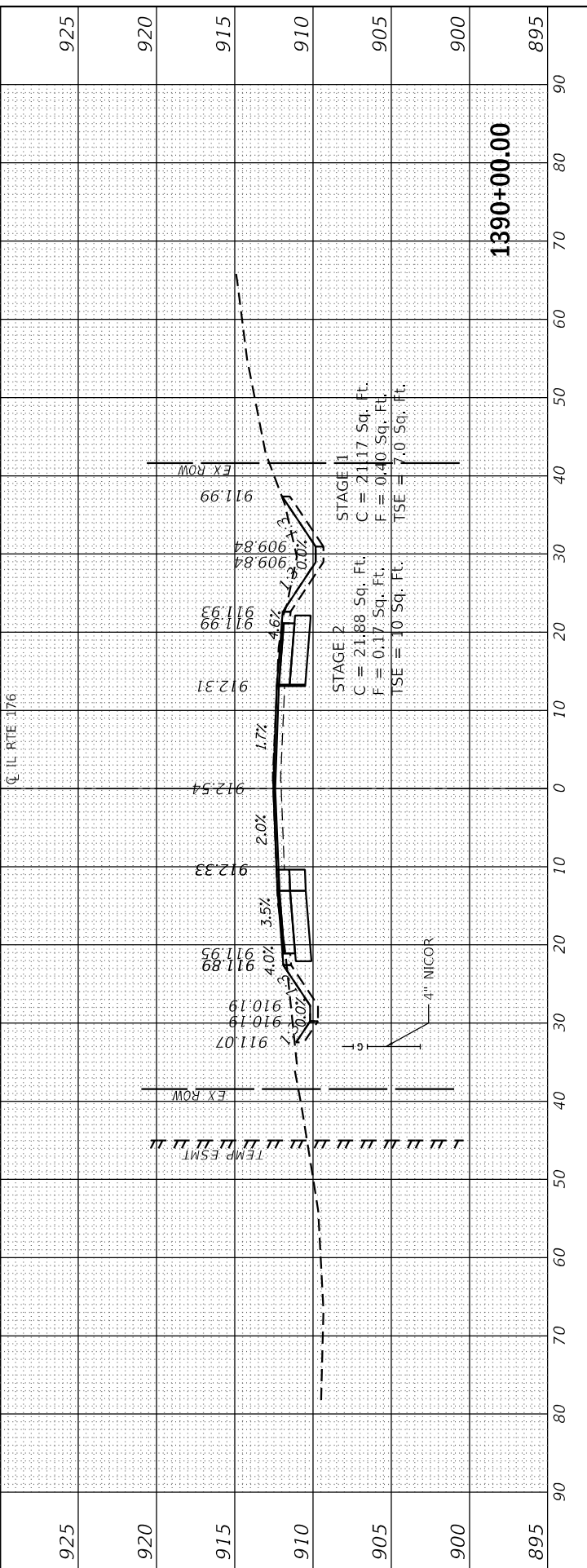
F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 289
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



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

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

MODEL: IL 176-10-1380-00  
 FILE NAME: G:\Projects\1380 IL 176\CAD\2D Sheets\Cross Sections\1380-111.dgn



USER NAME	= jsumann
DESIGNED	- AB
DRAWN	- AB
PLOT SCALE	= 20.0012' / in.
PLOT DATE	= 6/18/2021

REVISIONS	-
REVISIONS	-
REVISIONS	-
REVISIONS	-
REVISIONS	-

DESIGNED	- AB
DRAWN	- AB
CHECKED	- TGM
DATE	- 06-17-2021

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - 46  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)

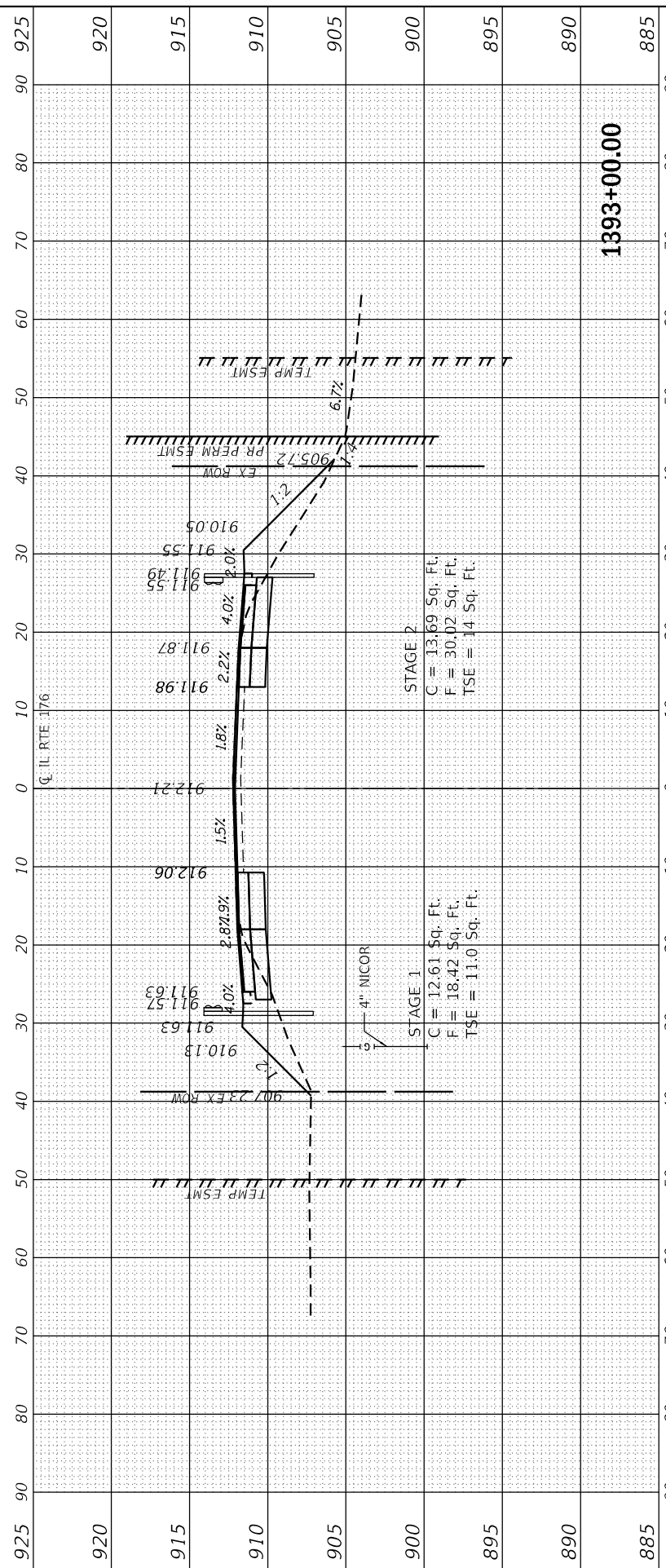
SCALE: SHEET OF SHEETS STA. 1380+00.00 TO STA. 1390+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	290
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	

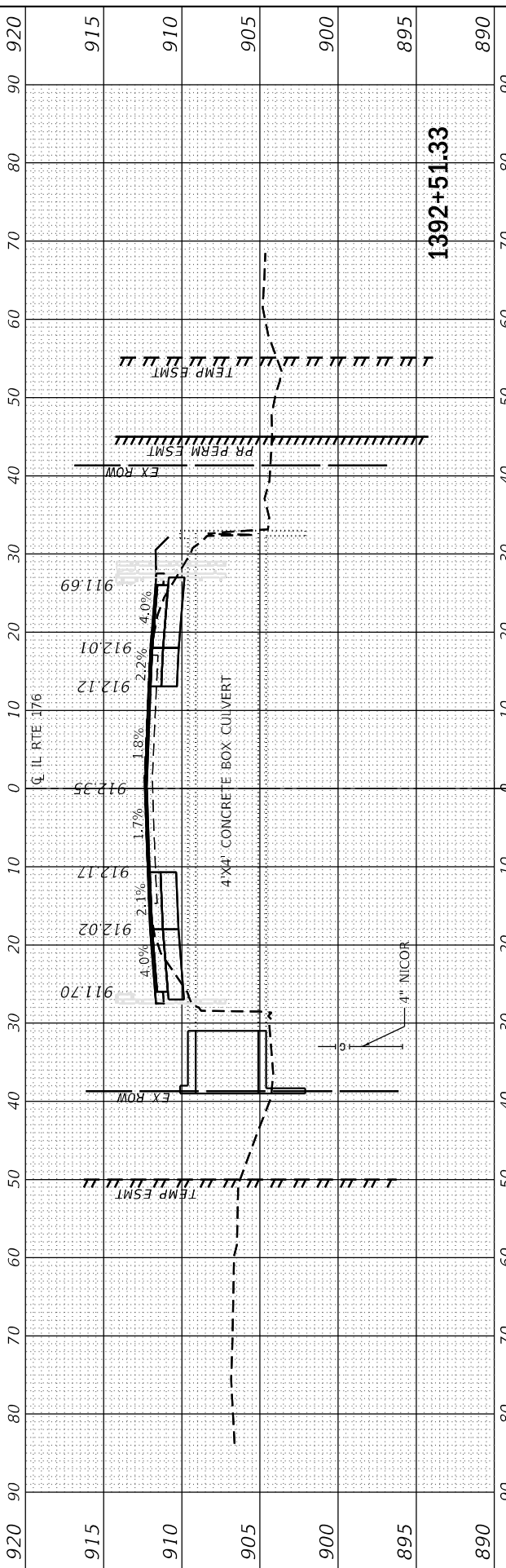
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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
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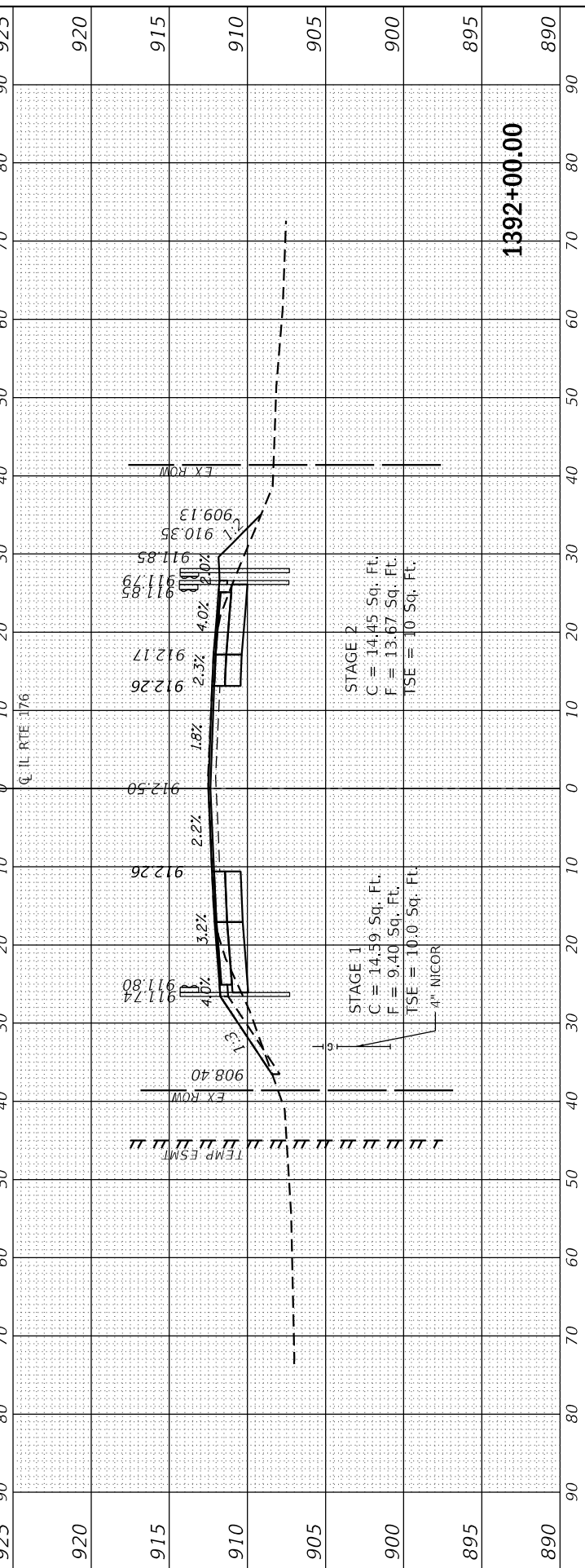
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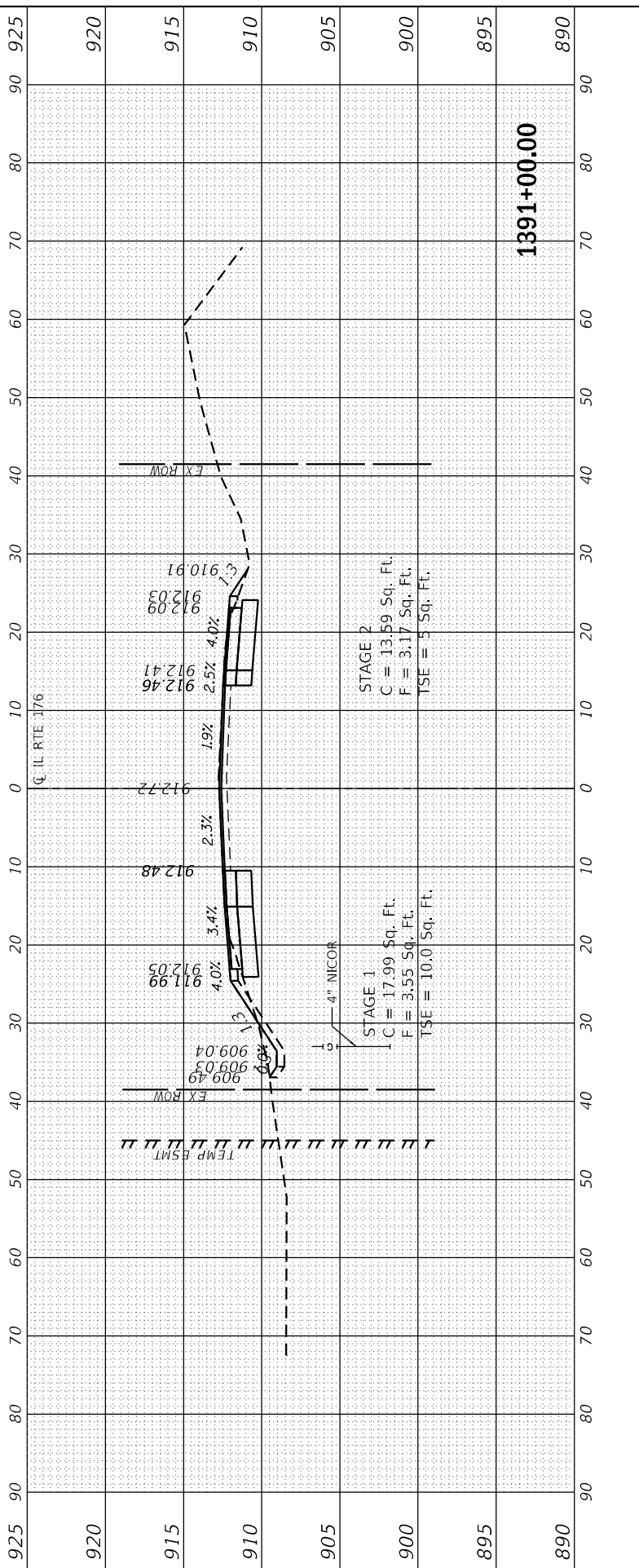
**1393+00.00**



**1392+51.33**



**1392+00.00**



**1391+00.00**



USER NAME	= jschumann
DESIGNED	- AB
DRAWN	- AB
CHECKED	- TGM
DATE	- 06-17-2021
PLOT SCALE	= 20.0012' / in.
PLOT DATE	= 6/18/2021

REVISIONS	-
REVISIONS	-
REVISIONS	-
REVISIONS	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 1391+00.00 TO STA. 1393+00.00
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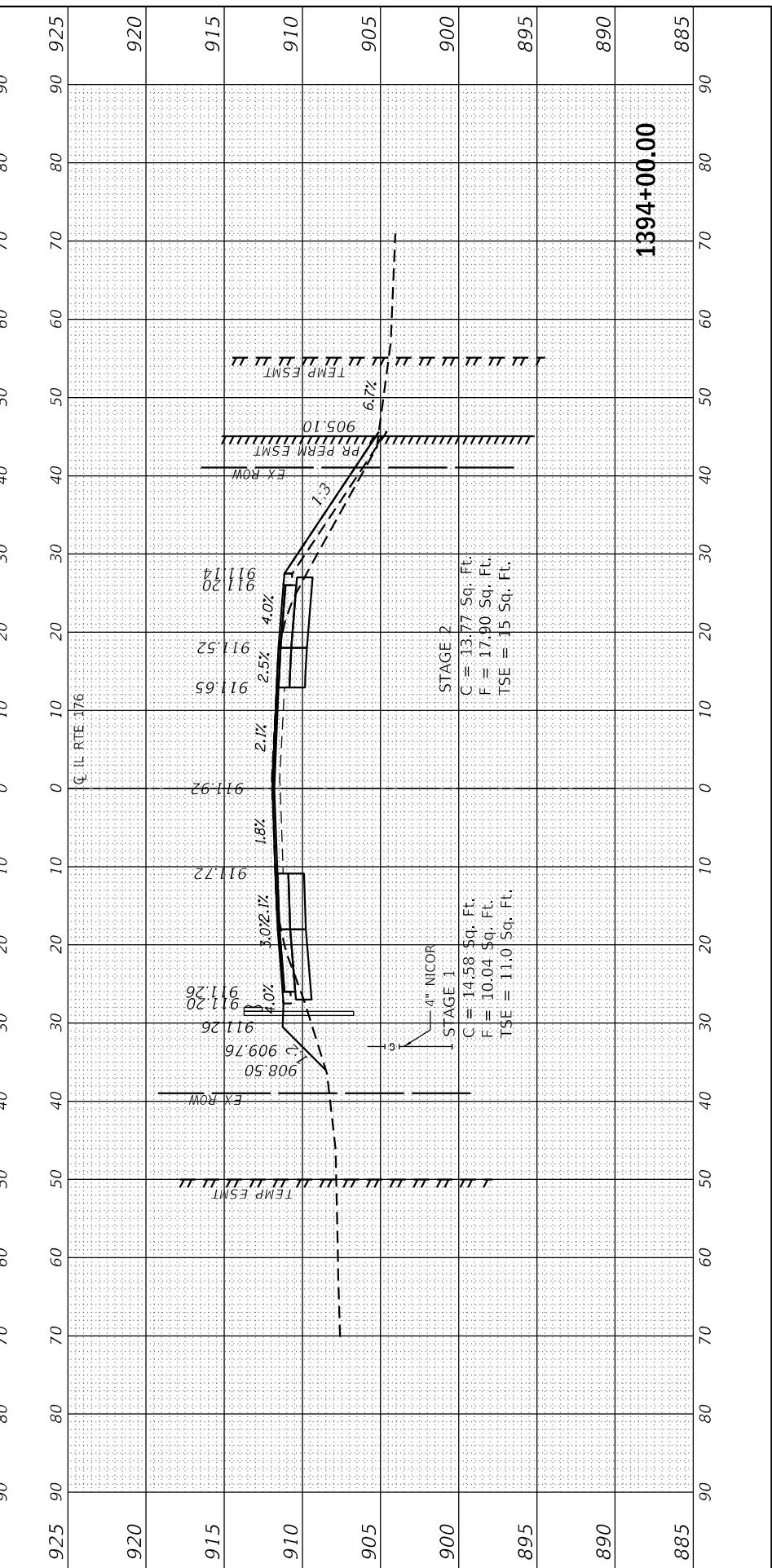
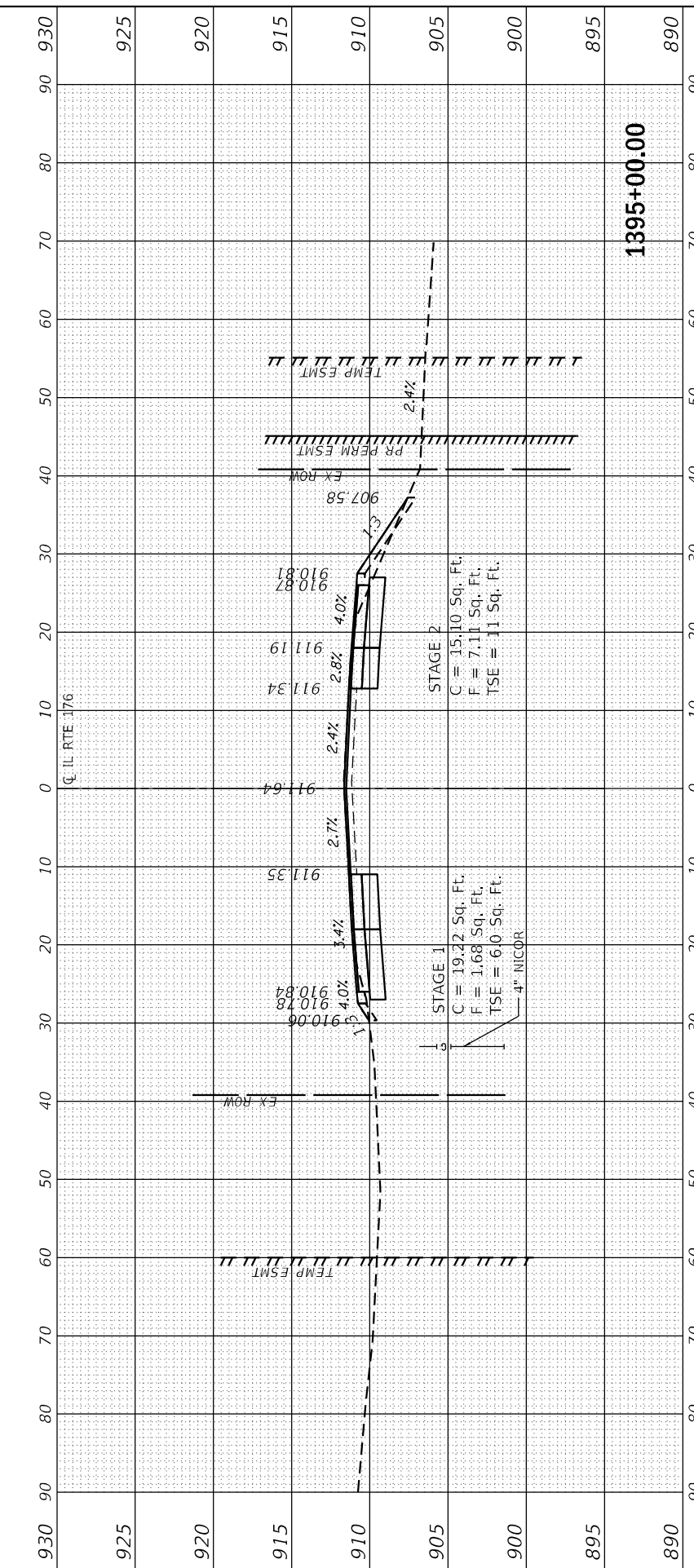
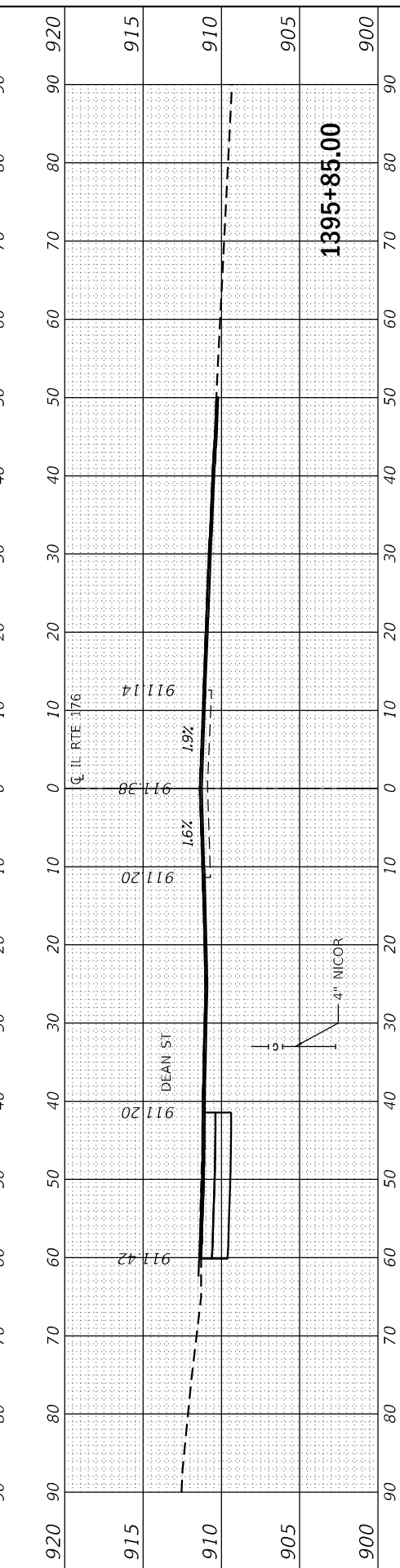
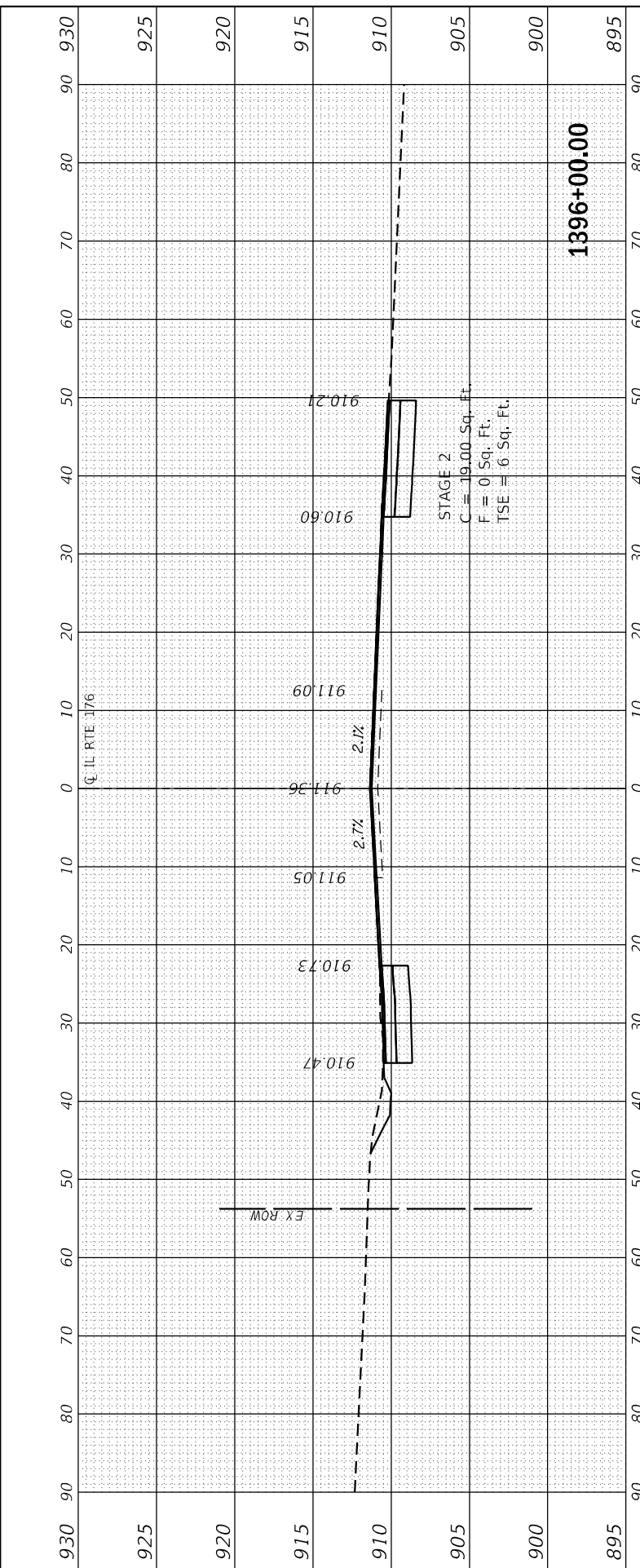
**CROSS SECTIONS - 47  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	291
			CONTRACT NO. 62G35	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: IL 176-1394+00 TO 1396+00  
 FILE NAME: C:\Engineering\Live\Projects\1394\DOT IL 176\CADD\CADD Sheets\CADD18\G3-She-XS-1003-141.dgn



USER NAME	= jsumann
DESIGNED	- AB
DRAWN	- AB
CHECKED	- TGM
DATE	- 06-17-2021

REVISION	-
REVISION	-
REVISION	-
REVISION	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA. 1394+00.00 TO STA. 1396+00.00
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**CROSS SECTIONS - 48  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	292
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	

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

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

MODEL: IL 176-1397+00 TO 1399+00  
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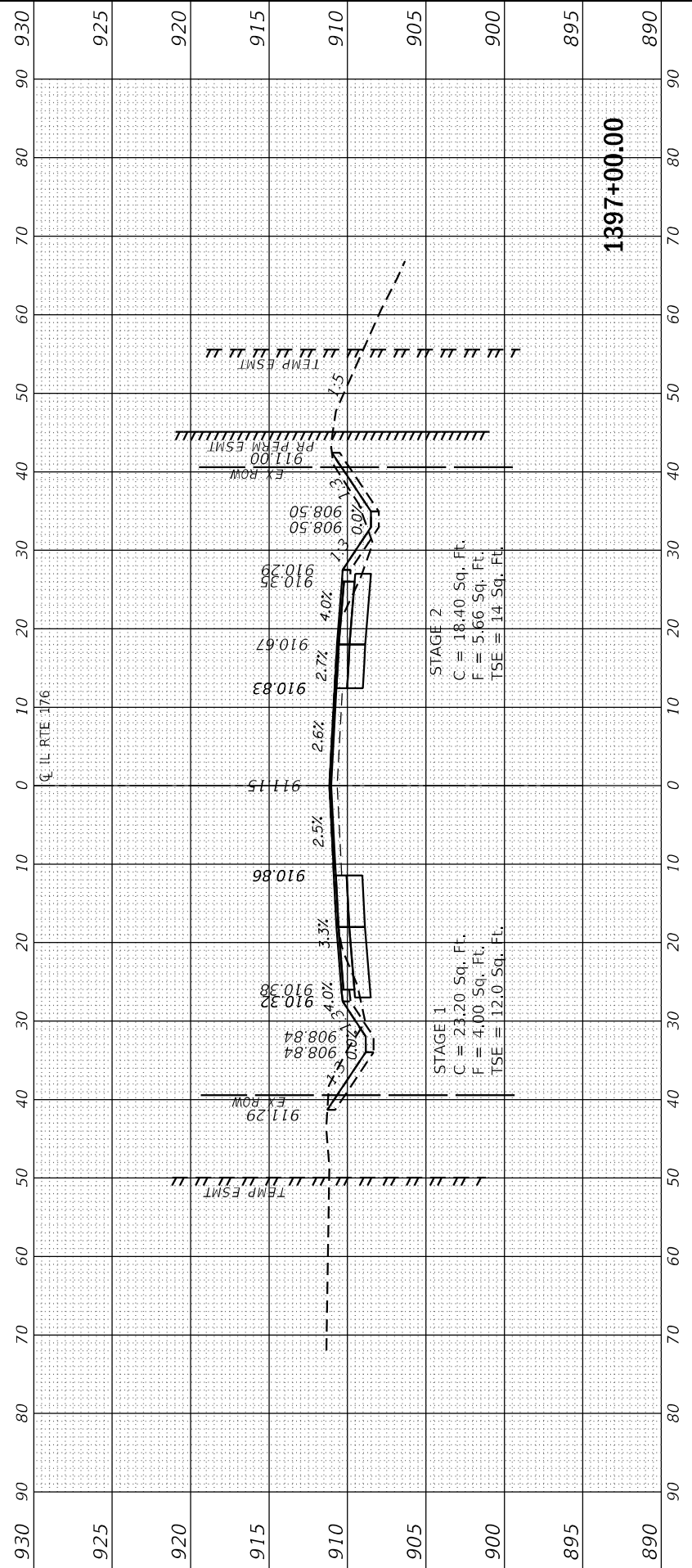
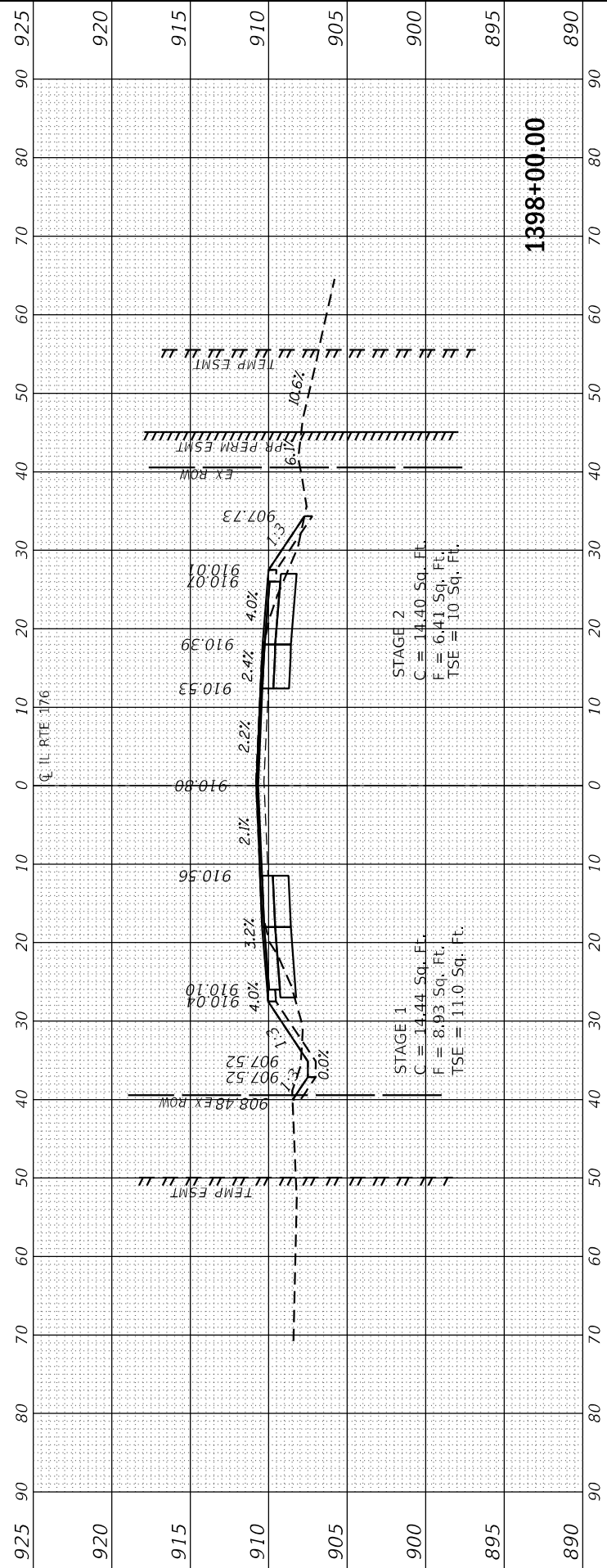
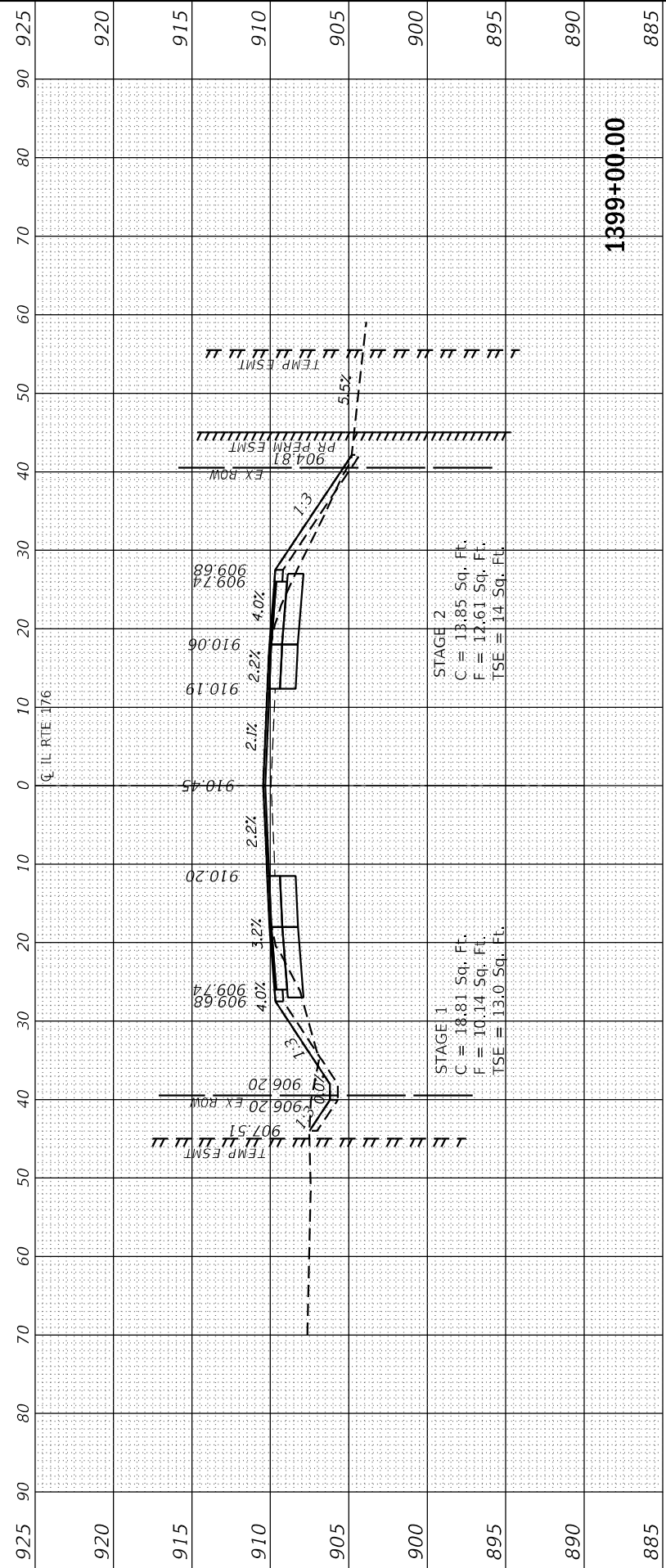


USER NAME = jschumann	DESIGNED - AB	REVISED -
	DRAWN - AB	REVISED -
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS - 49</b>			
<b>IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)</b>			
SCALE:	SHEET	OF	SHEETS
			STA. 1397+00.00 TO STA. 1399+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 293
ILLINOIS			FED. AID PROJECT	
			CONTRACT NO. 62G35	



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

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

MODEL: IL 176-1399+83 TO 1401+00  
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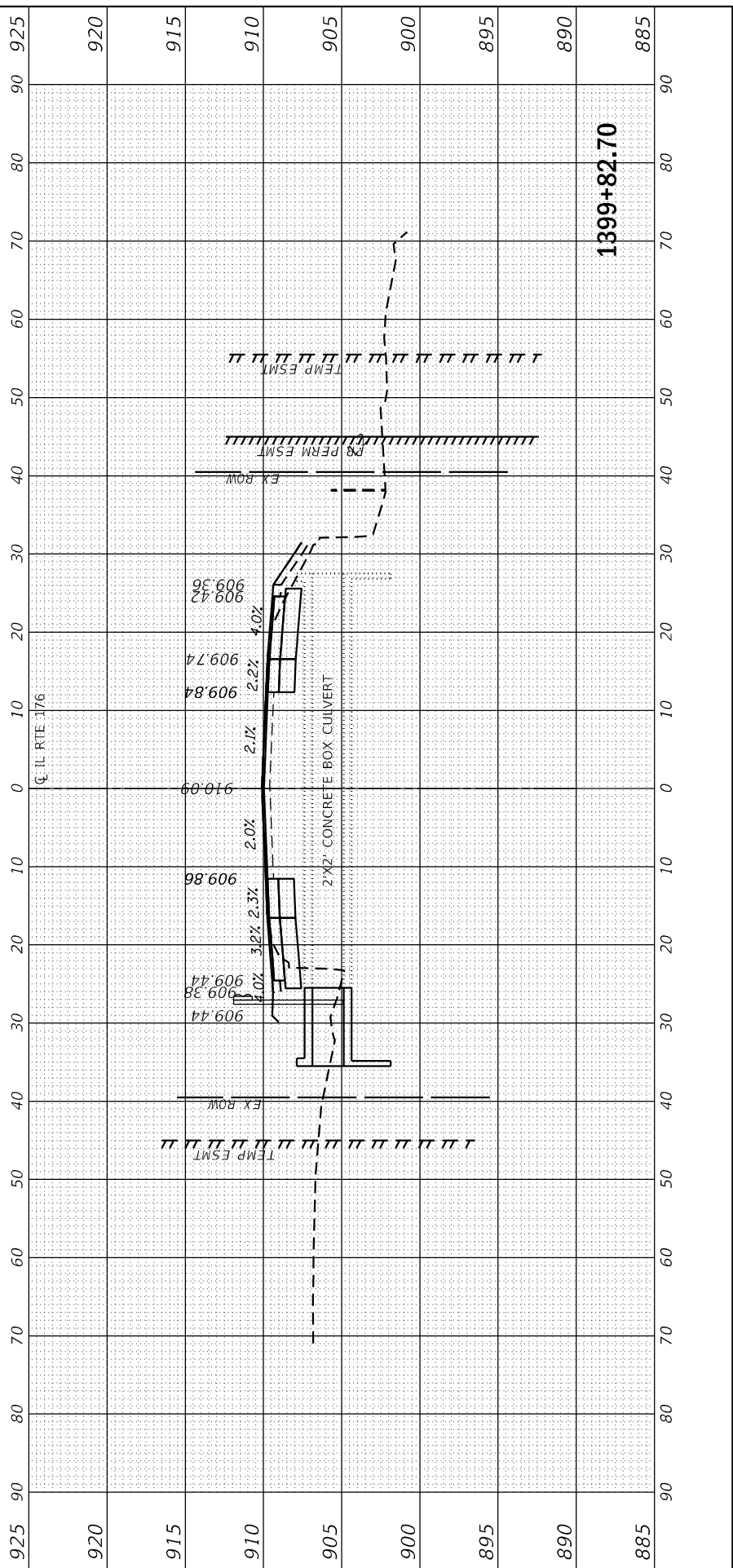
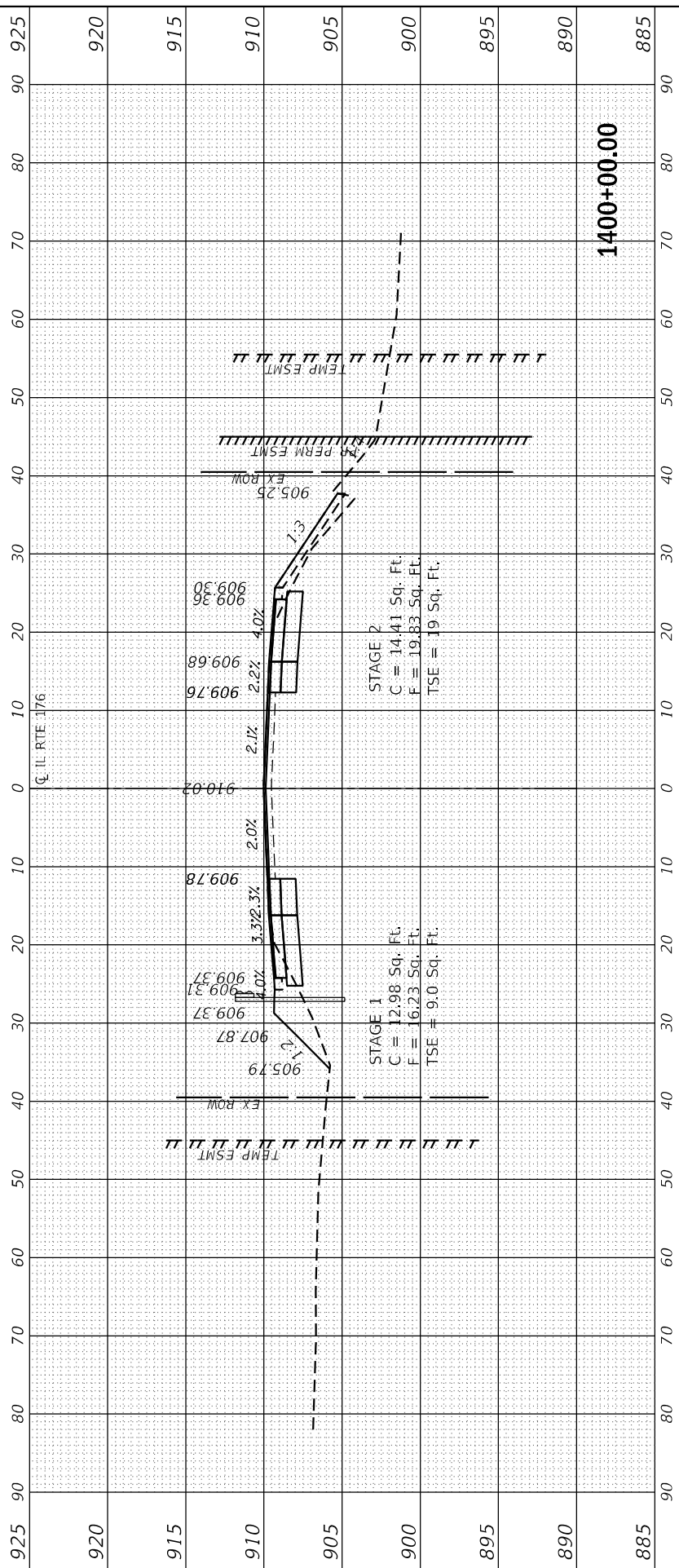
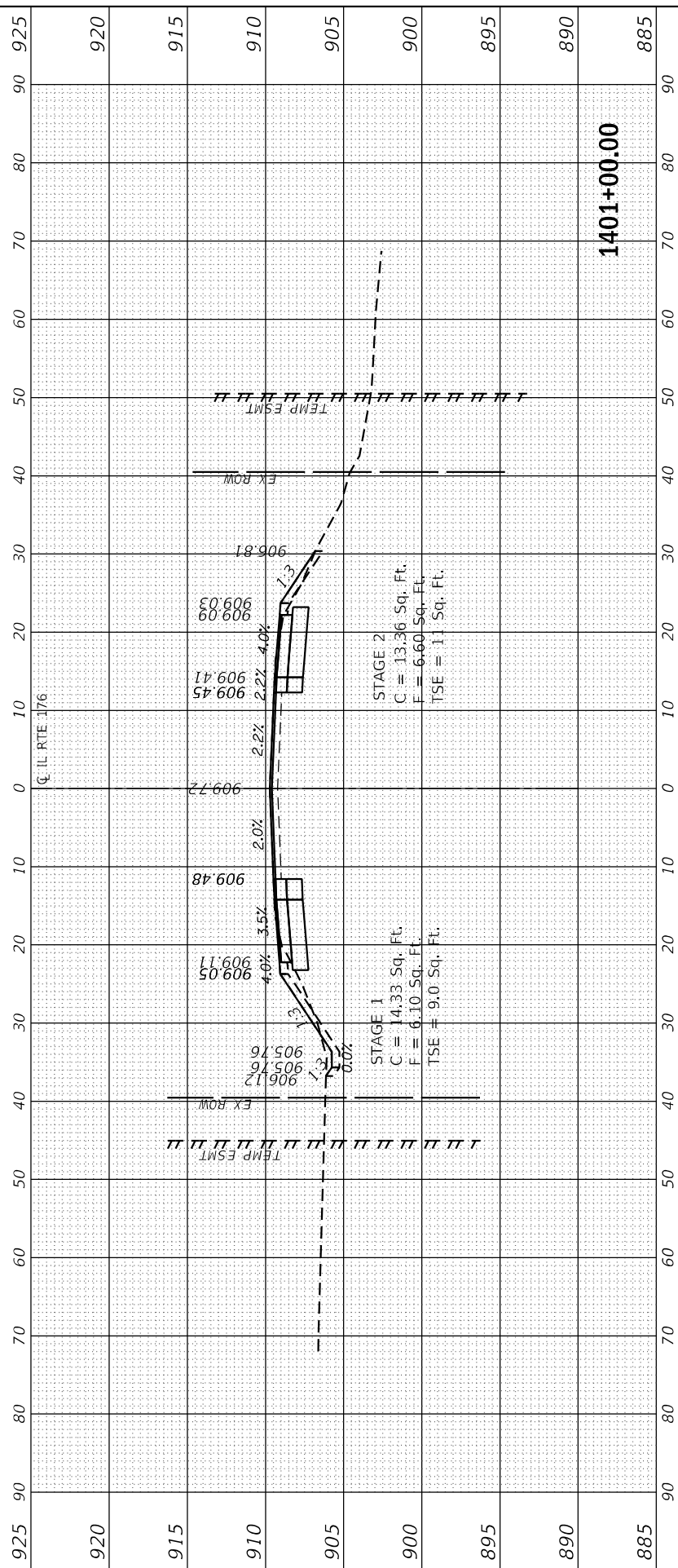


USER NAME = jschumann	DESIGNED - AB	REVISED -
	DRAWN - AB	REVISED -
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS - 50</b>			
<b>IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)</b>			
SCALE:	SHEET	OF	SHEETS
			STA. 1399+82.70 TO STA. 1401+00.00

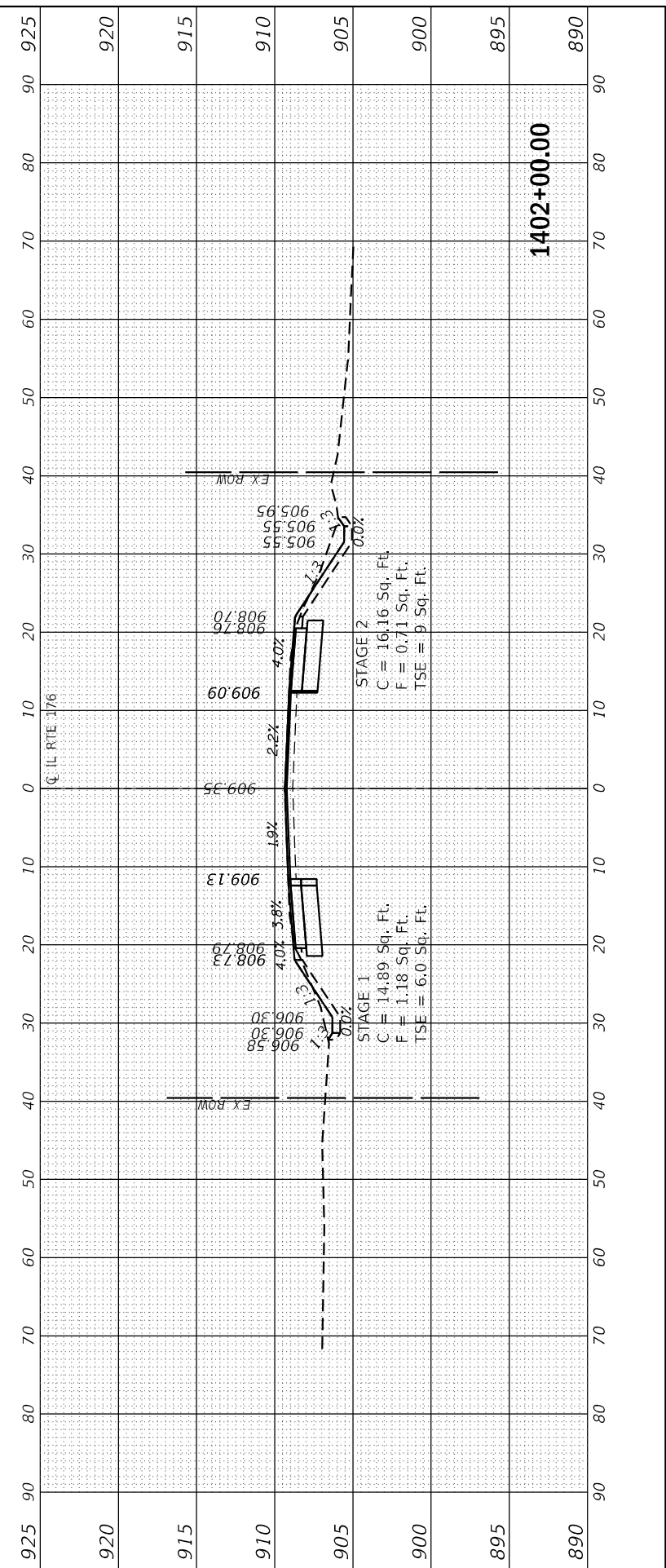
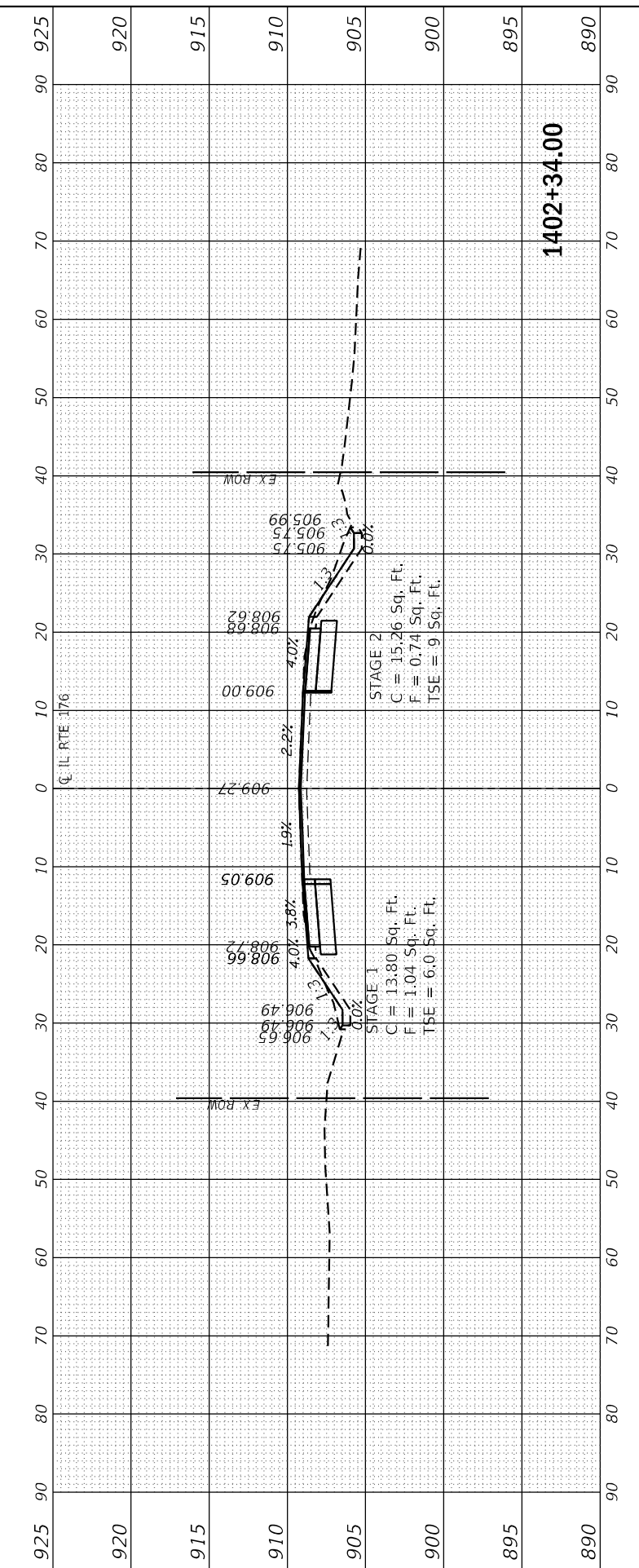
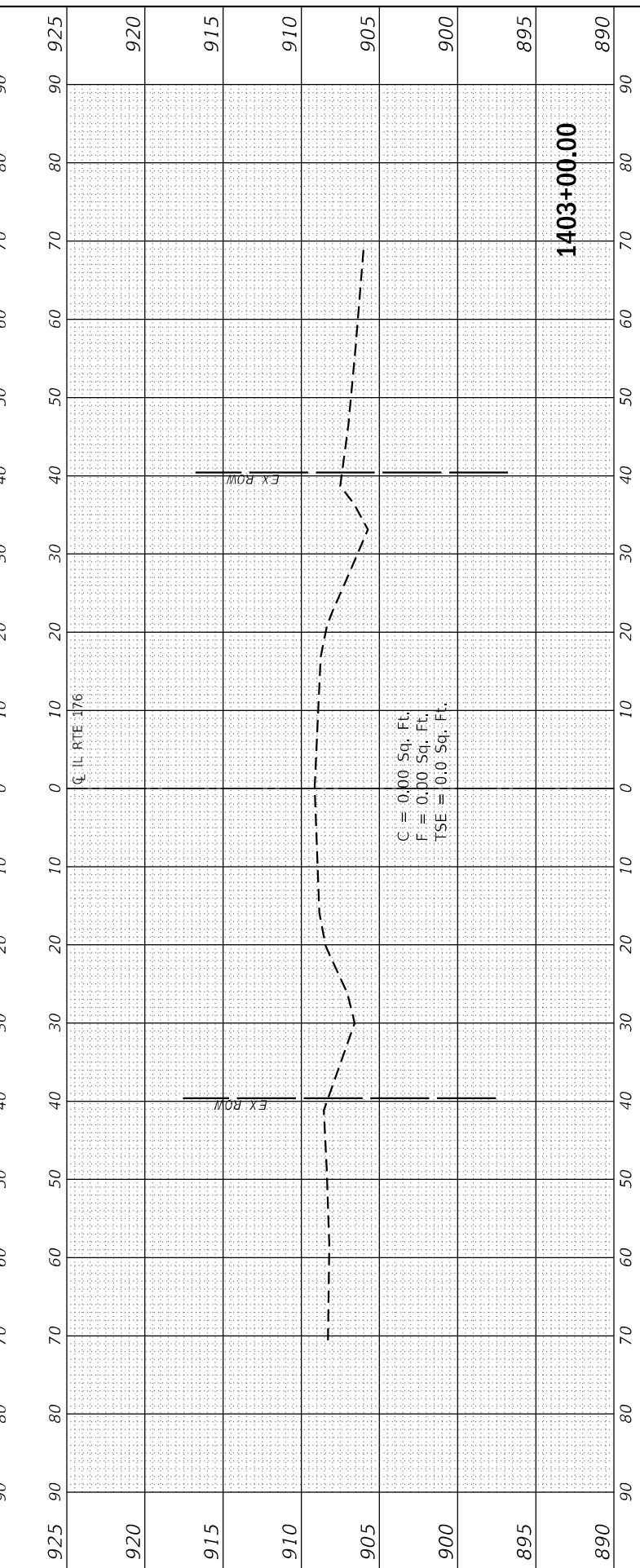
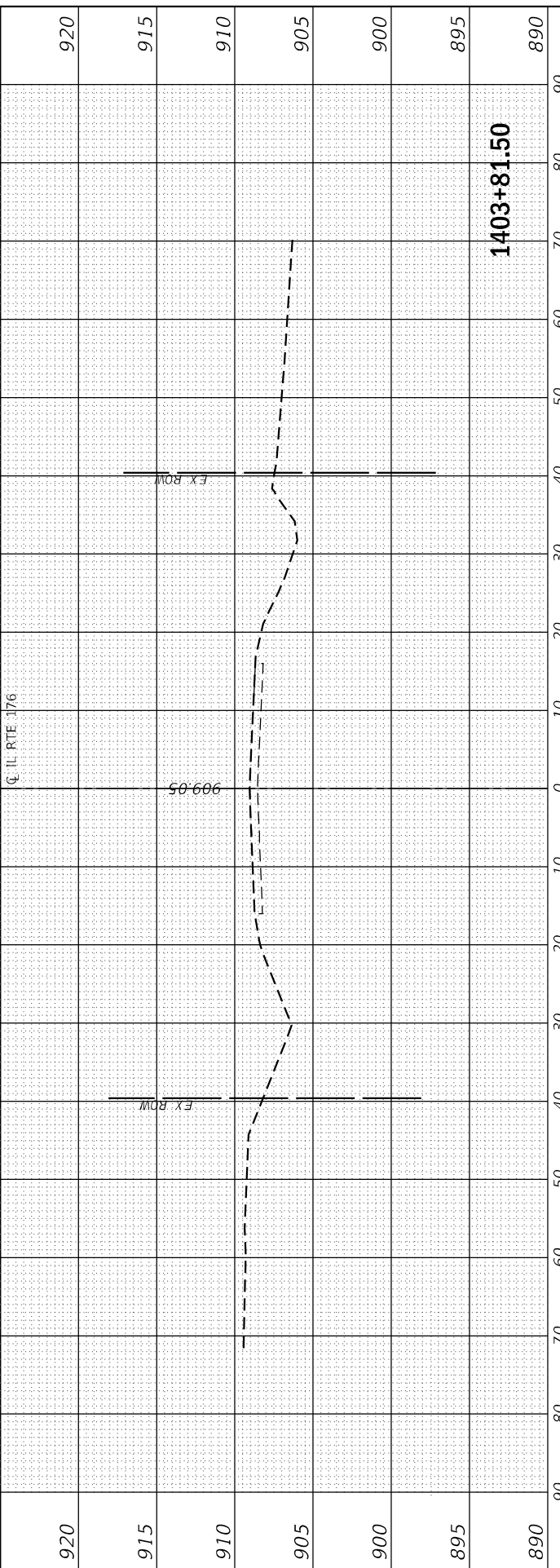
F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 294
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



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

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

MODEL: IL 176-1 TO 180-B2  
 FILE NAME: G:\176\176-1 TO 180-B2\176-1 TO 180-B2.dwg



USER NAME	= jschumann
DESIGNED	- AB
DRAWN	- AB
PLLOT SCALE	= 20.0012' / in.
PLLOT DATE	= 6/18/2021

REVISIED	-
REVISIED	-
REVISIED	-
REVISIED	-

DESIGNED	- AB
DRAWN	- AB
CHECKED	- TGM
DATE	- 06-17-2021

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS - 51</b>			
<b>IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)</b>			
SCALE:	SHEET	OF	SHEETS
			STA. 1402+00.00 TO STA. 1403+81.50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHEMRY	300	295
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	

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

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

MODEL: IL 176-1404+00 TO 1406+00  
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USER NAME	= jschumann
DESIGNED	- AB
DRAWN	- AB
PLOT SCALE	= 20.0012' / in.
PLOT DATE	= 6/18/2021
CHECKED	- TGM
DATE	- 06-17-2021

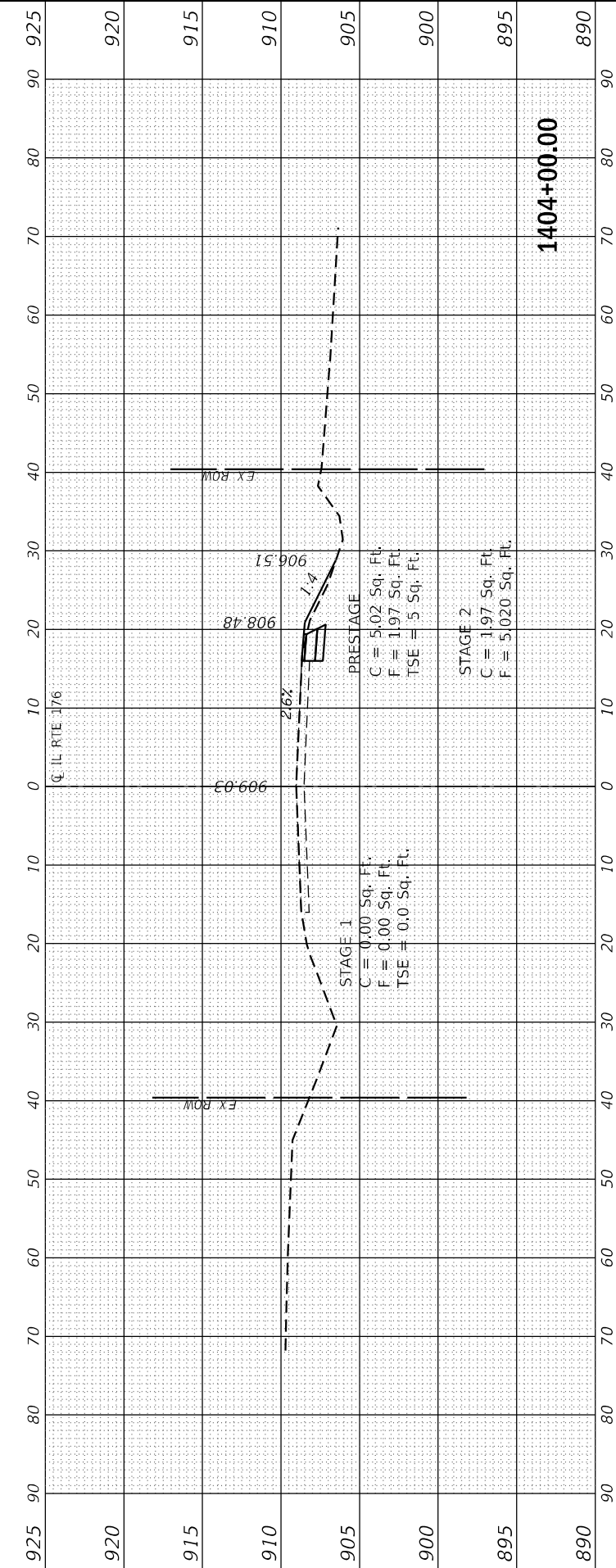
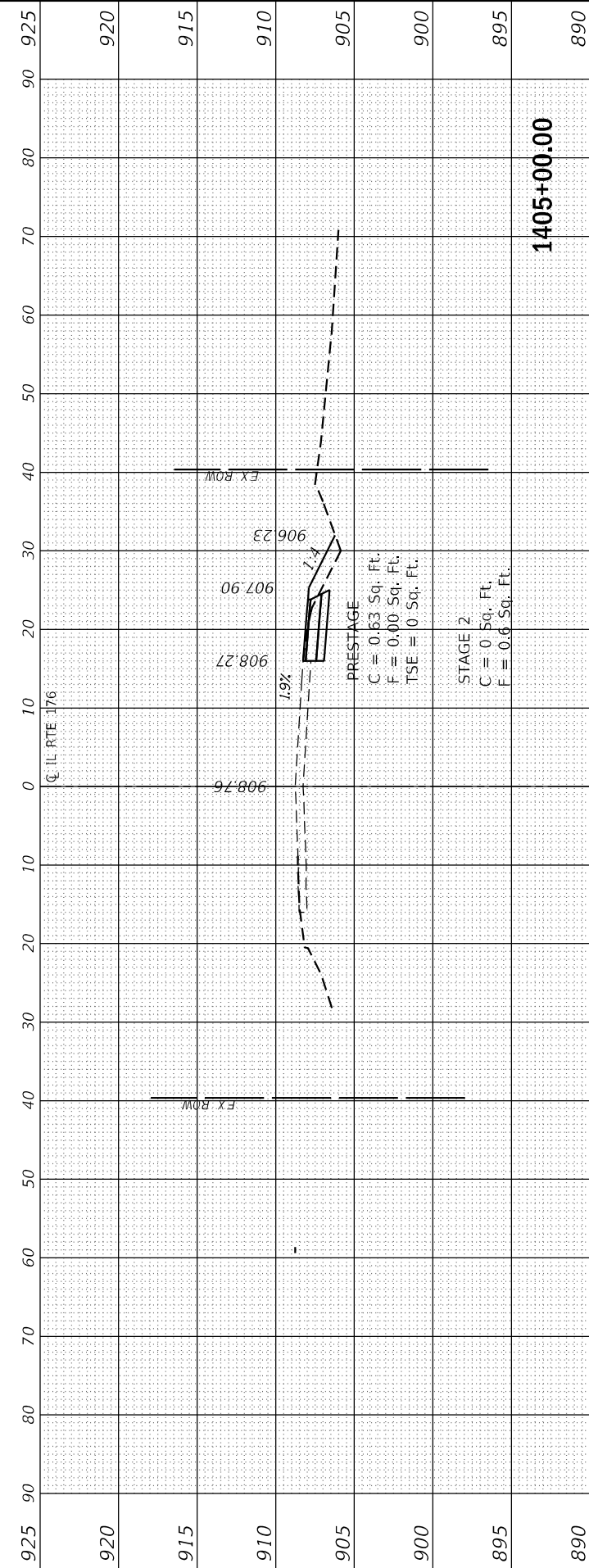
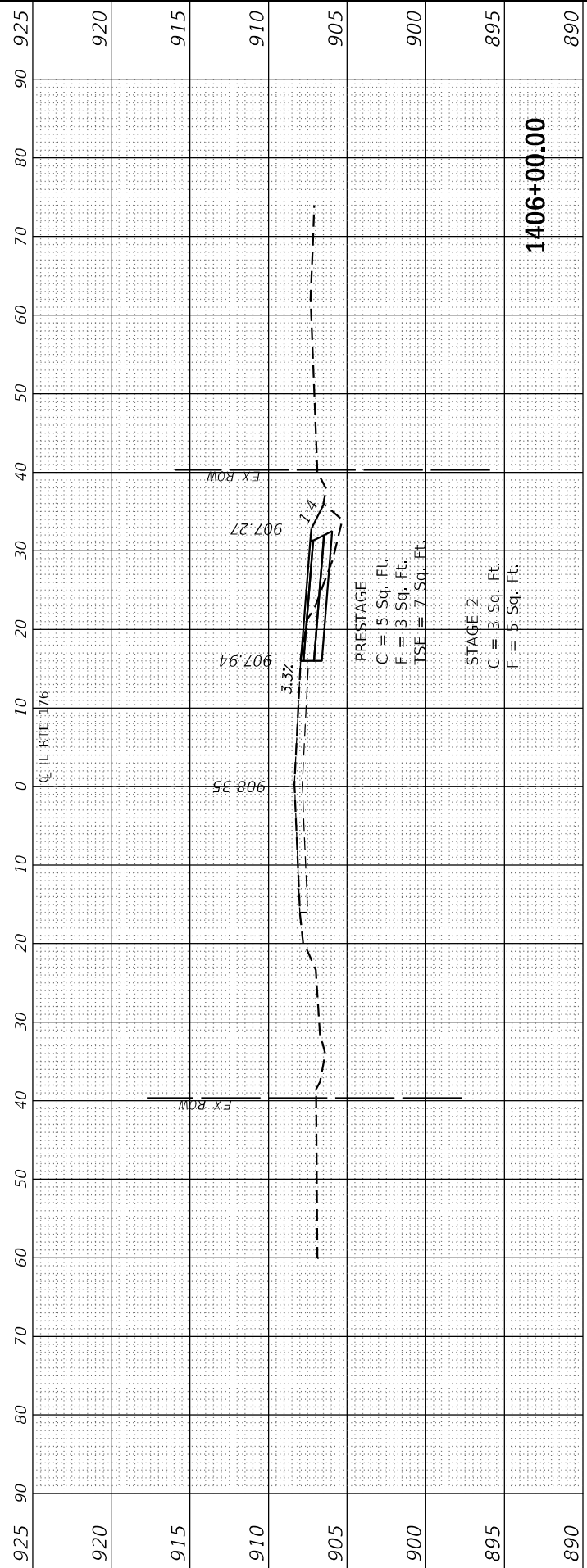
REVIS	-
REVIS	-
REVIS	-
REVIS	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA. 1404+00.00 TO STA. 1406+00.00
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**CROSS SECTIONS - 52  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	296
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	





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

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

MODEL: IL 176-1406-46 TO 1407-76  
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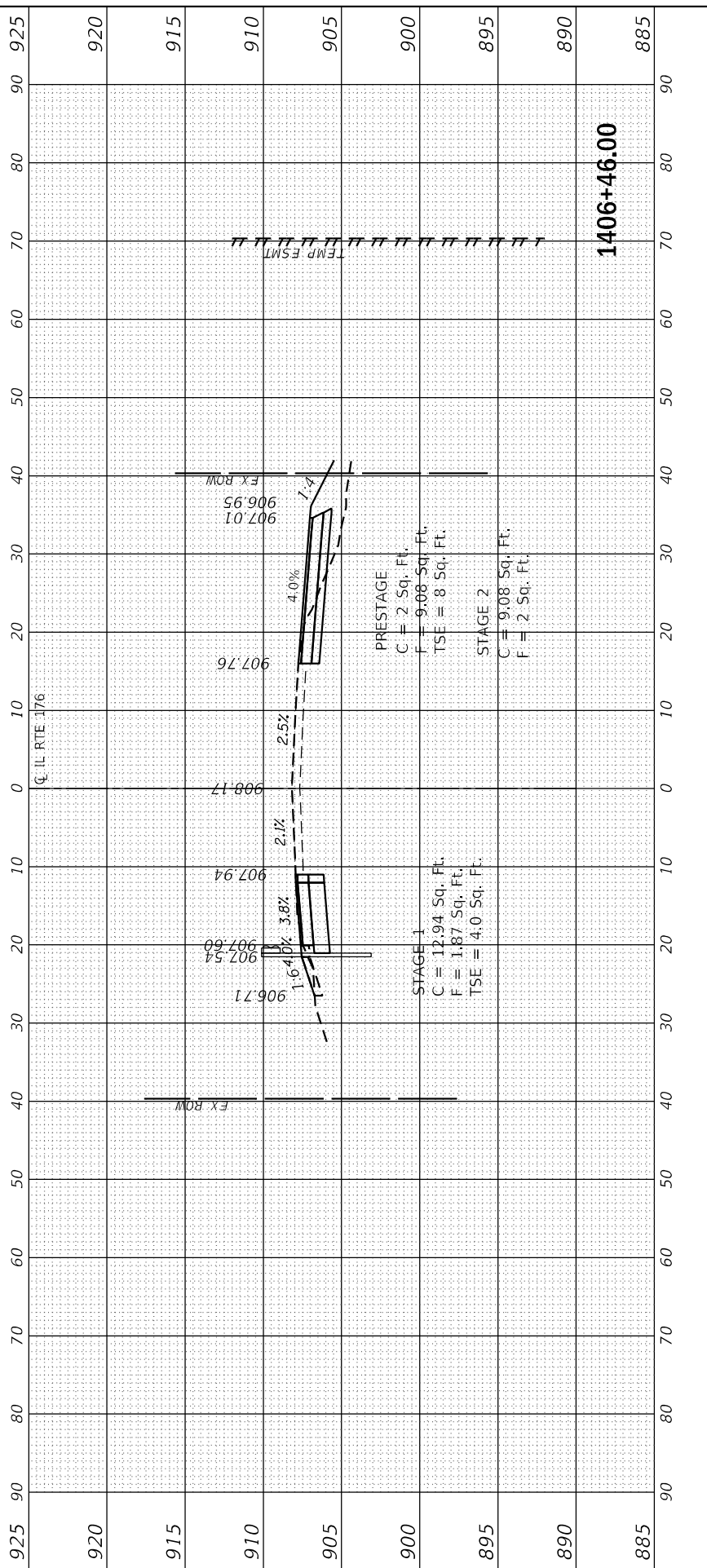
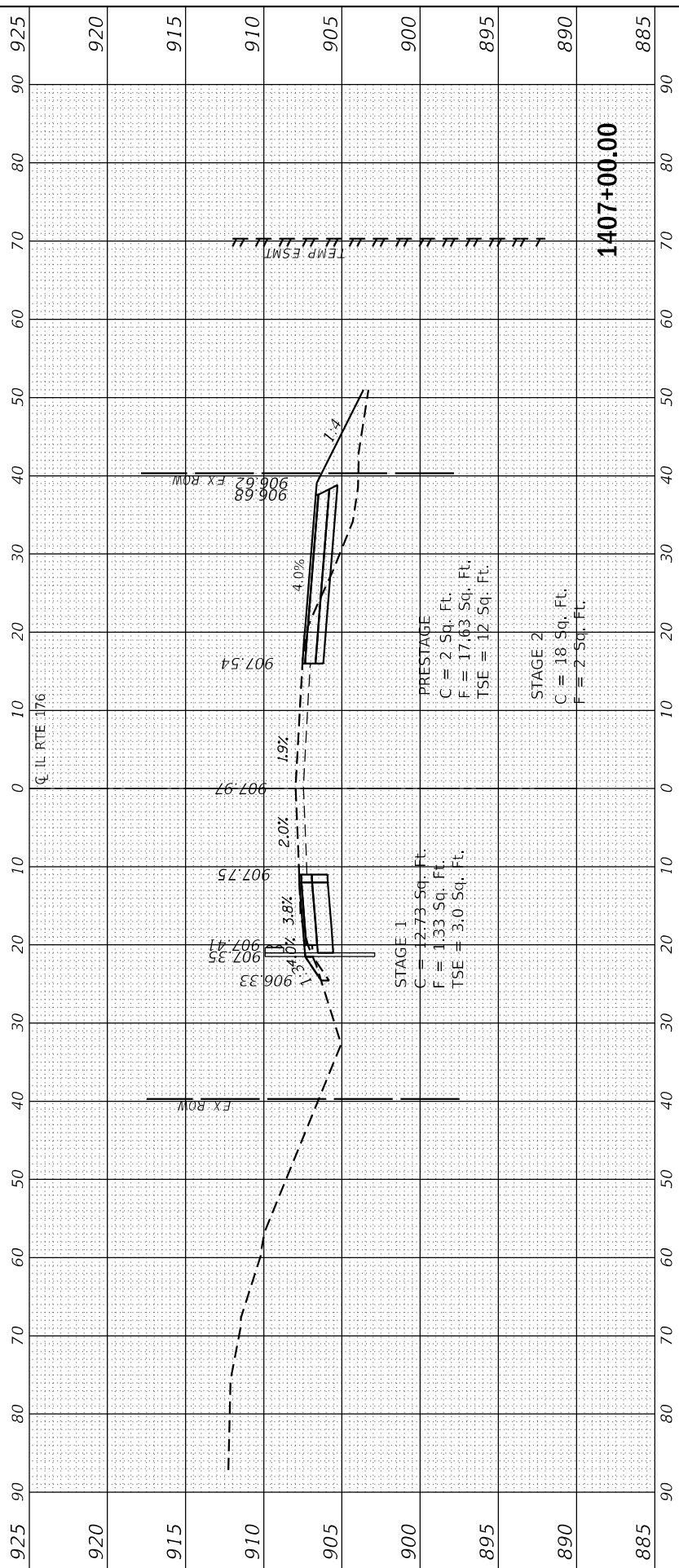
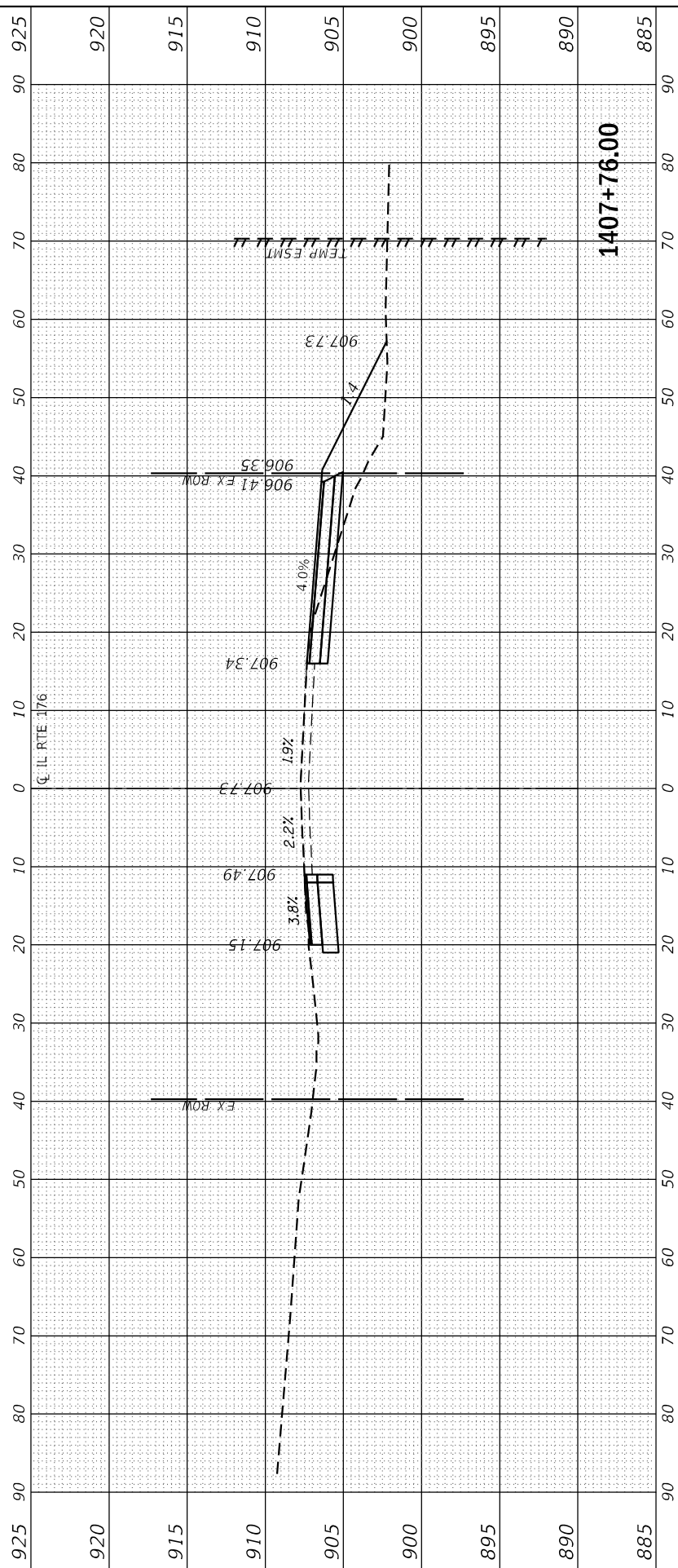
USER NAME = jschumann	DESIGNED - AB	REVISED -
	DRAWN - AB	REVISED -
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 53  
IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1406+46.00 TO STA. 1407+76.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	McHENRY	300	297
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



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

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

MODEL: IL 176-1408+00 TO 1409+00  
 FILE NAME: G:\Engineering\Live\Projects\14085\DOT IL 176\CADD\CADD Sheets\CADD Sheets\14085-Sub-A5-1003-1411.dgn



USER NAME	= jschumann
PLOT SCALE	= 20.0012' / in.
PLOT DATE	= 6/18/2021

DESIGNED	- AB
DRAWN	- AB
CHECKED	- TGM
DATE	- 06-17-2021

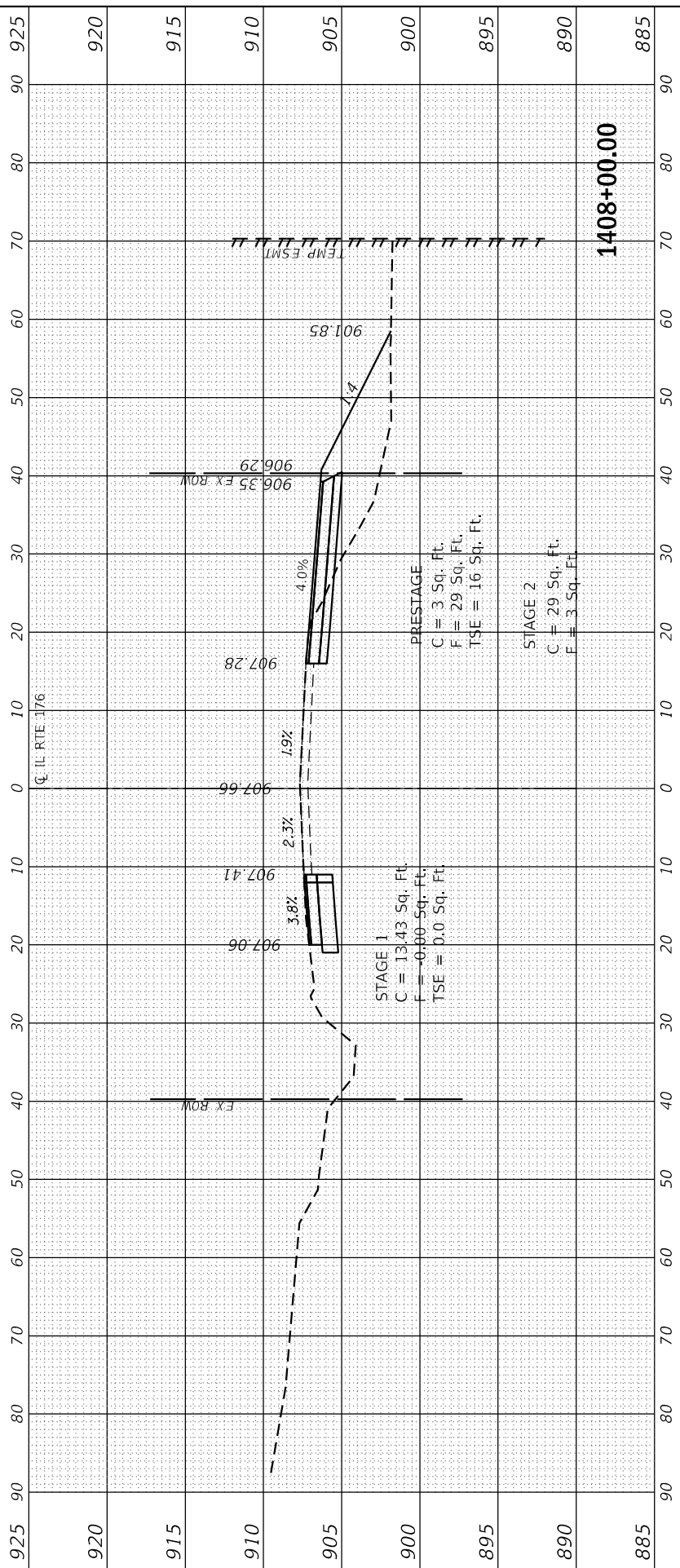
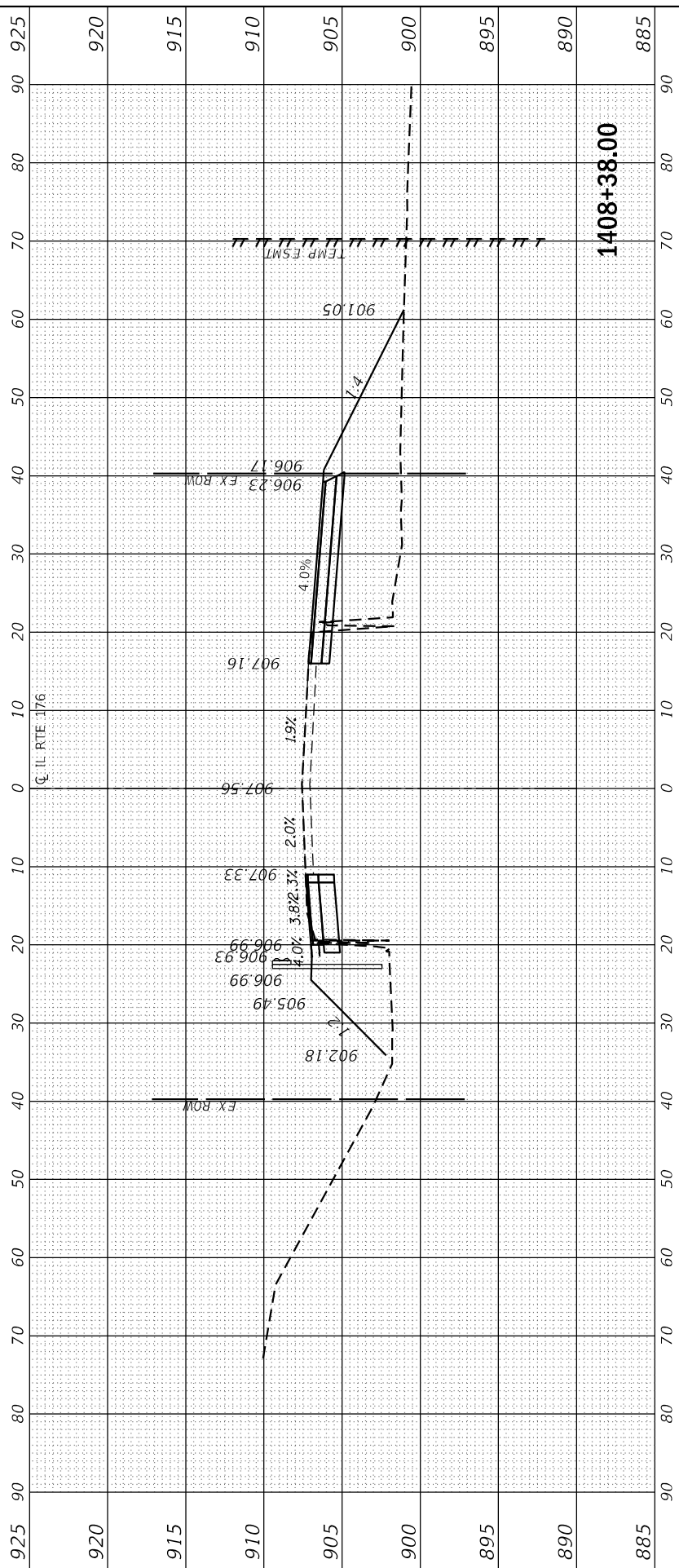
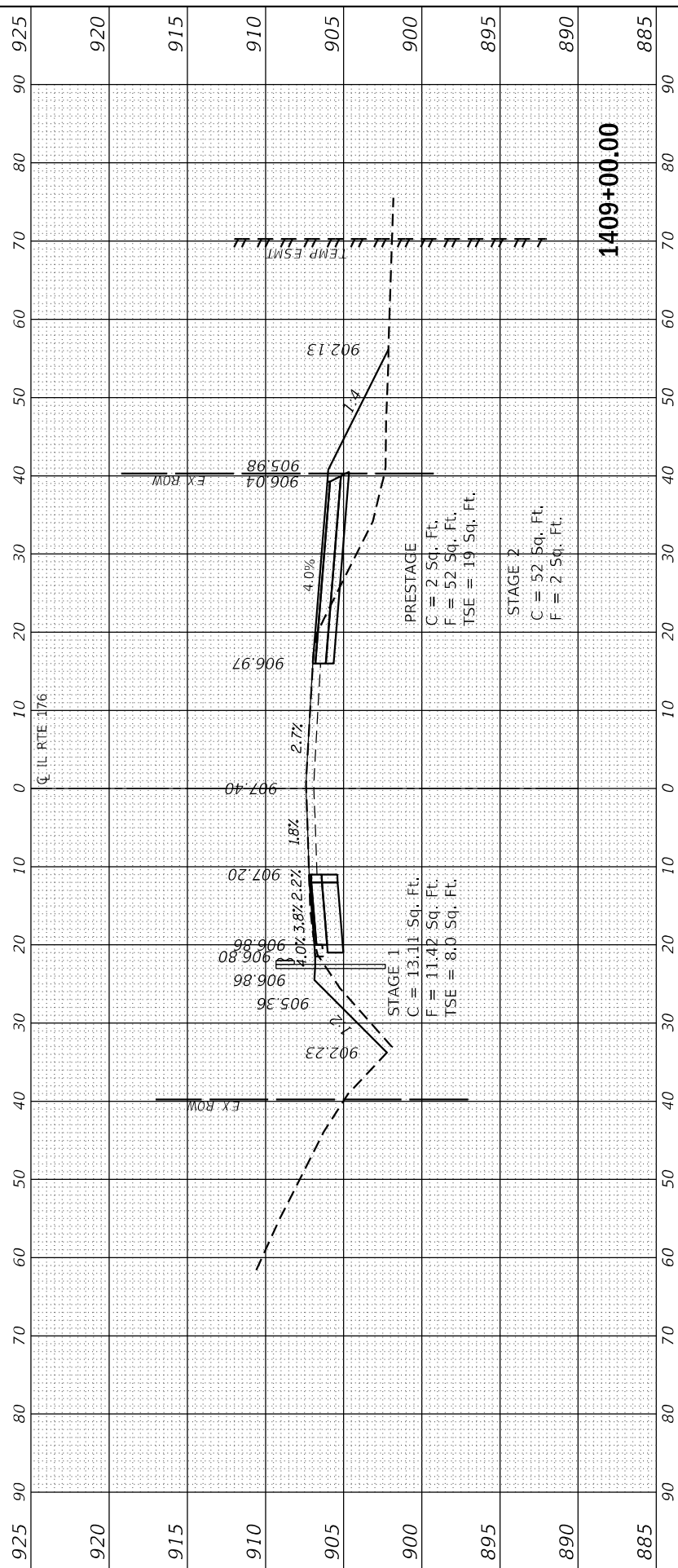
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 54  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1408+00.00 TO STA. 1409+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	(119&105)C&W-1	MCHENRY	300	298
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	



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

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

MODEL: IL 176-1410+00 TO 1411+00  
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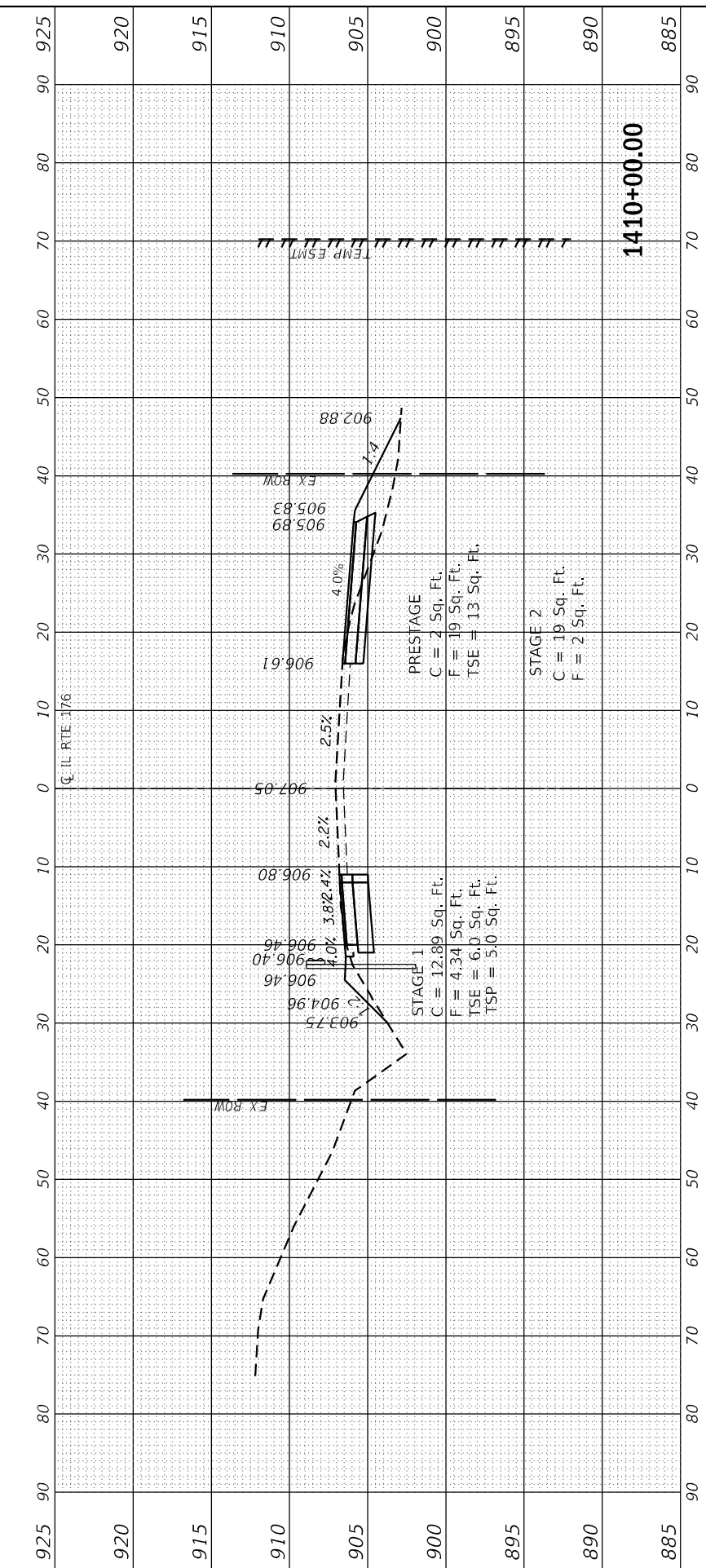
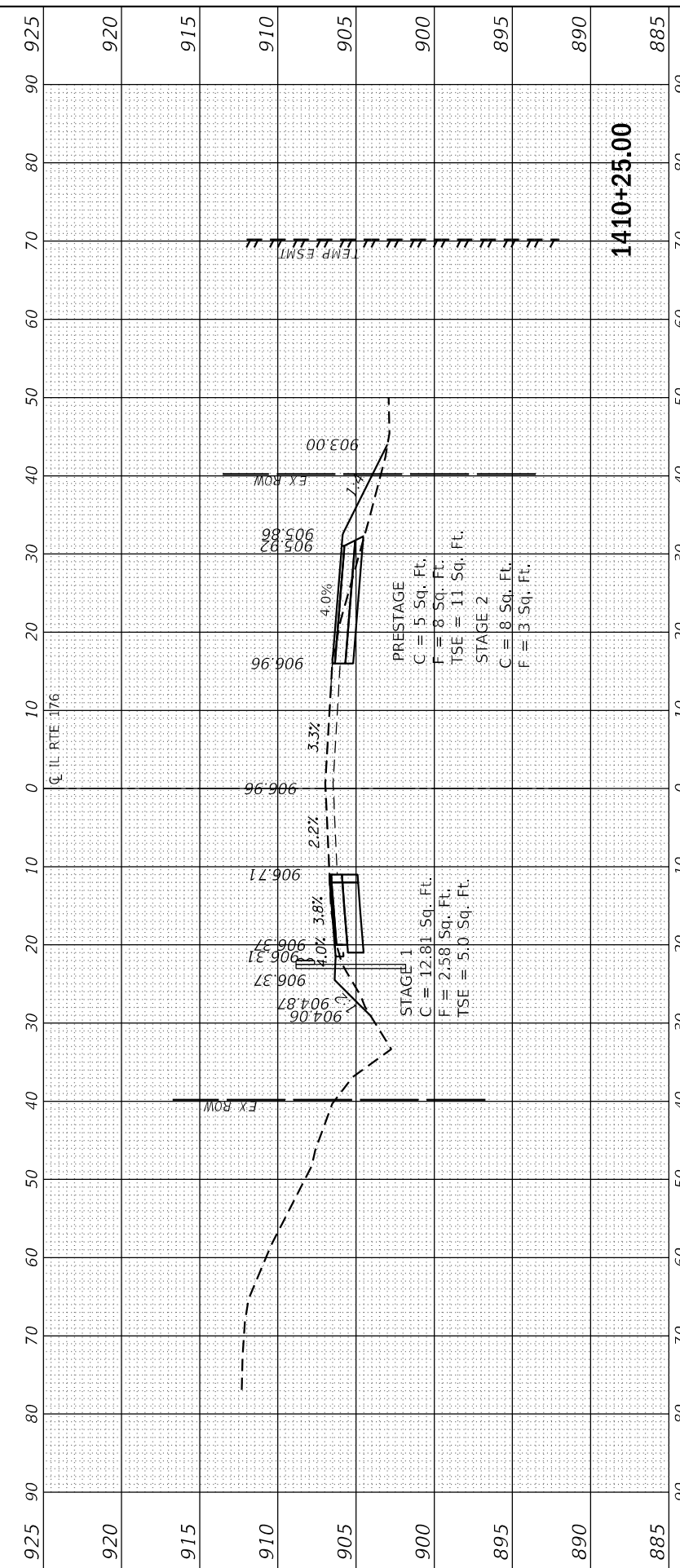
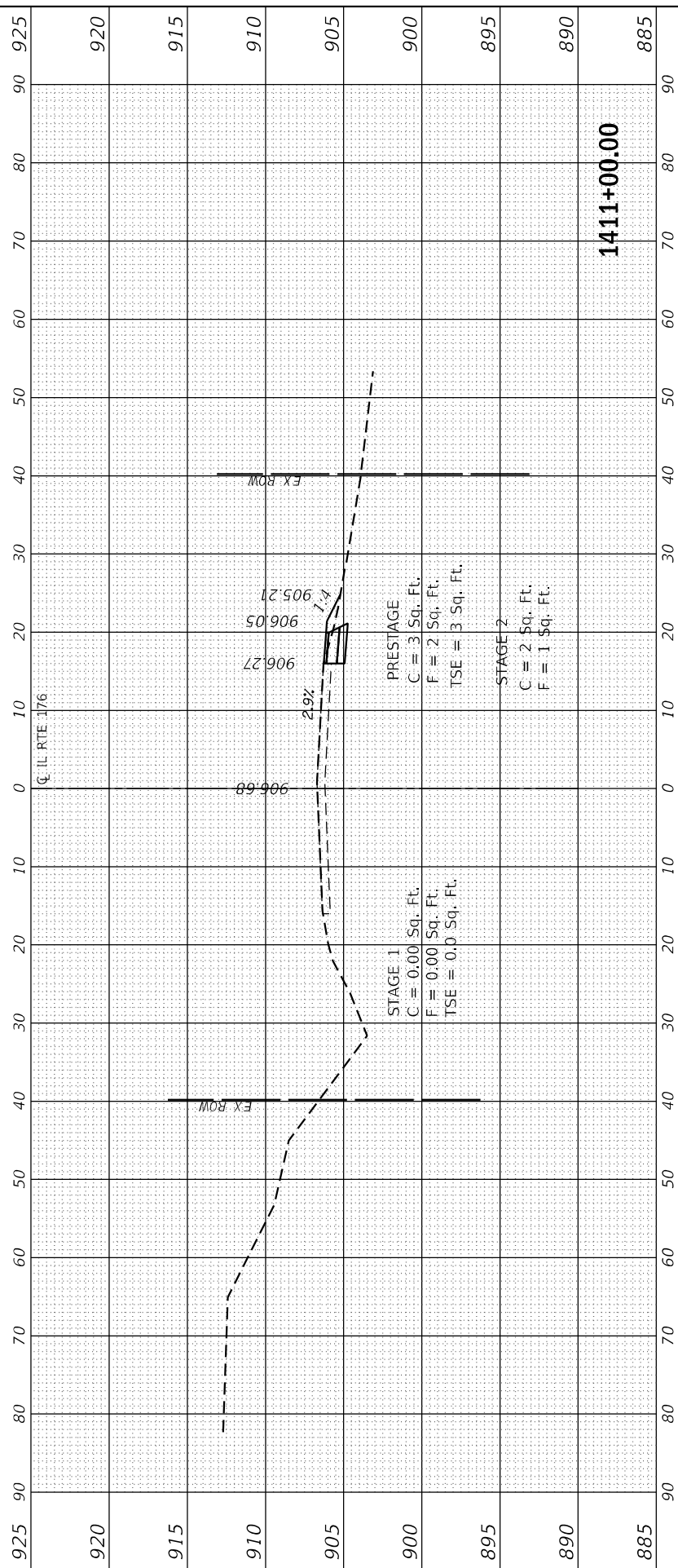
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	DRAWN - AB	REVISED -
PLOT SCALE = 20.0012' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 6/18/2021	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 55  
 IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1410+00.00 TO STA. 1411+00.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 299
ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 62G35		



FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: IL 176-1411+23 TO 1411+25  
FILE NAME: C:\Engineering\LevelProjects\2025\DOT IL 176\CADD\CADD Sheets\CADD Sheets\CADD187633-shc-XS\_1003-1411.dgn



USER NAME = jschumann	DESIGNED - AB	REVISED -
PLOT SCALE = 20.0012' / in.	DRAWN - AB	REVISED -
PLOT DATE = 6/18/2021	CHECKED - TGM	REVISED -
	DATE - 06-17-2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - 56  
IL 176 (TELEGRAPH ST) (DEERPASS RD TO DEAN ST)**

SCALE: SHEET OF SHEETS STA. 1411+22.90 TO STA. 1411+25.00

F.A.P. RTE. 533	SECTION (119&105)C&W-1	COUNTY MCHENRY	TOTAL SHEETS 300	SHEET NO. 300
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G35	

