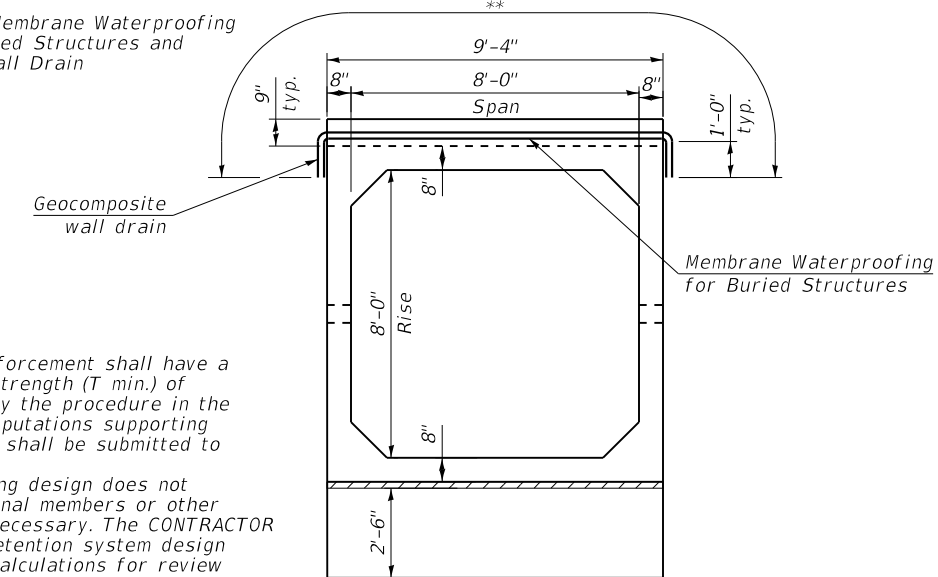


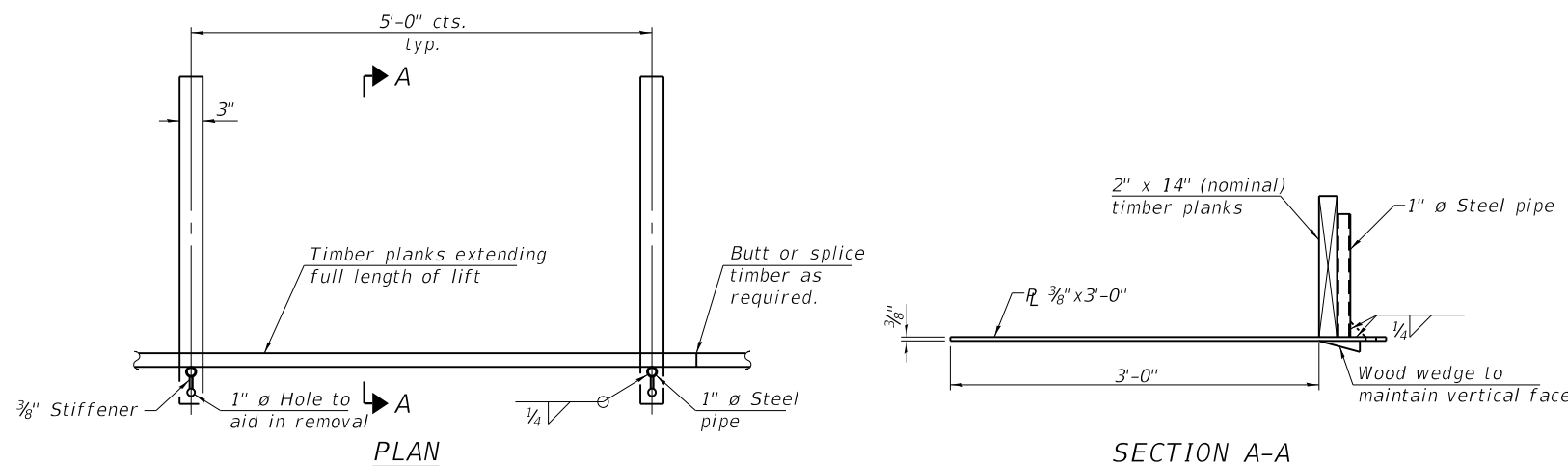
TEMPORARY GEOTEXTILE WALL PLAN AND TYPICAL SECTION

\*\*Pay limits for Membrane Waterproofing System for Buried Structures and Geocomposite Wall Drain

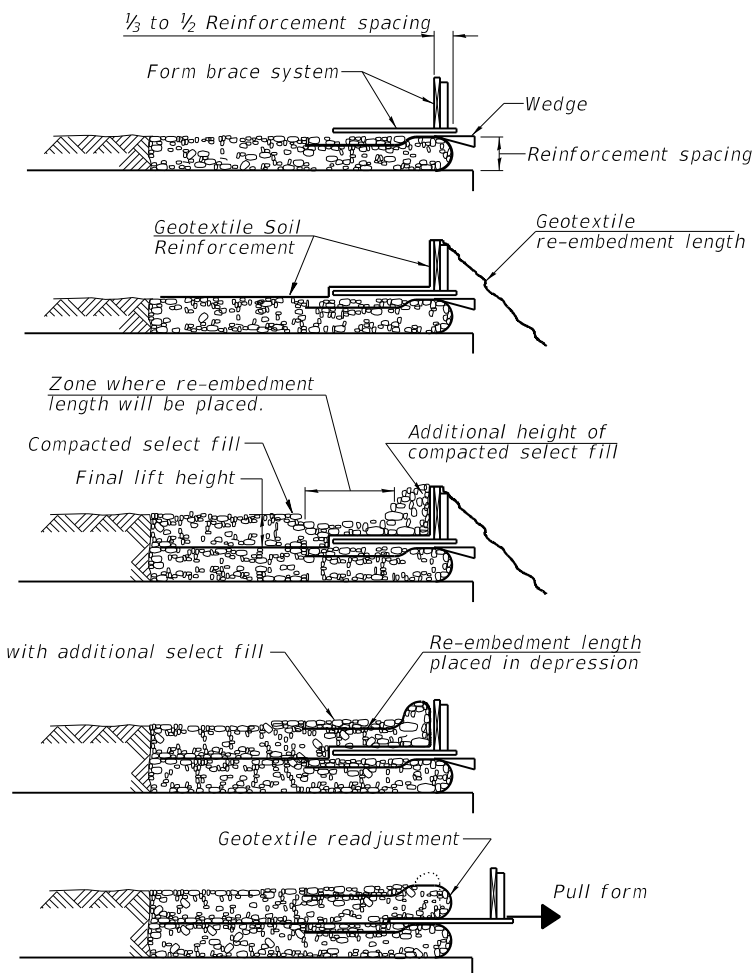


Notes:  
 The geotextile soil reinforcement shall have a minimum allowable tensile strength (T min.) of 19.00 lb/in as determined by the procedure in the Special Provisions. The computations supporting the determination of T min. shall be submitted to the engineer for approval.  
 A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The CONTRACTOR shall submit a temporary retention system design including plan details and calculations for review and acceptance by the ENGINEER.

MEMBRANE WATERPROOFING SYSTEM AND GEOCOMPOSITE WALL DRAIN



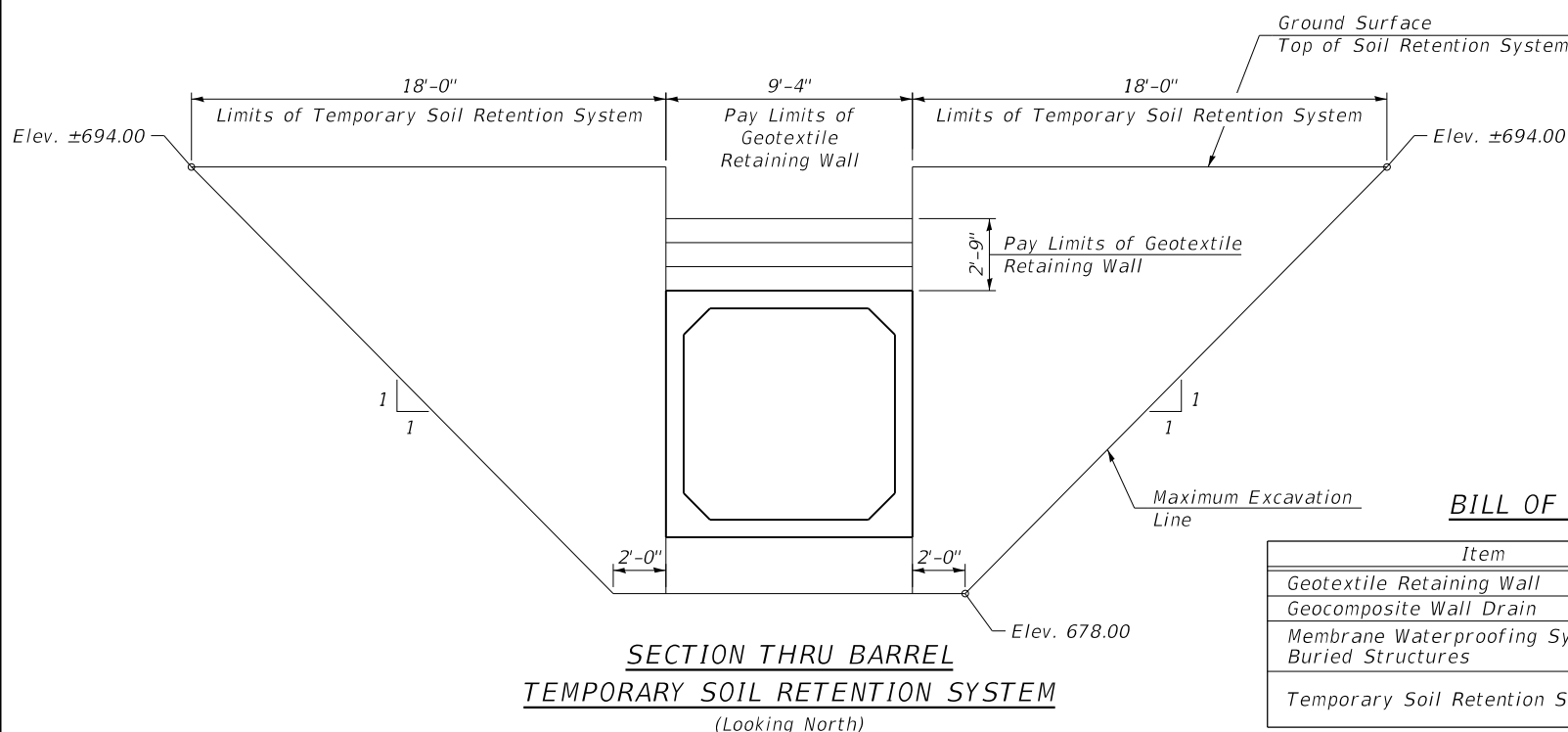
GEOTEXTILE FORM BRACE DETAIL



1. Place form brace system on completed reinforcement level; back from the finished fabric face a distance of 1/2 to 1/2 the geotextile reinforcement spacing.
2. Position fabric so that the required geotextile re-embedment length extends over the top of the form brace and the design reinforcement width is placed with no slack against the previous level.
3. Compact select fill material in lifts to final lift height, create (±3") depression in zone where re-embedment length will be located and place additional height of compacted select fill against form brace.
4. Fold geotextile re-embedment length back over form brace into zone where depression was made in select fill and place additional select fill (±3") to embed geotextile and bring to final lift height.
5. Pull form brace outward allowing geotextile face to slightly readjust to form tight round face level with plan reinforcement spacing.

GEOTEXTILE WALL CONSTRUCTION SEQUENCE

FILE NAME: N:\PROJ\020887.01\Design\Structural\CAD\SD\_189th Street Culvert\020887\_03\_189thCulvert\_Details1.dgn



SECTION THRU BARREL TEMPORARY SOIL RETENTION SYSTEM (Looking North)

BILL OF MATERIAL

Item	Unit	Quantity
Geotextile Retaining Wall	Sq Ft	26
Geocomposite Wall Drain	Sq Yd	81
Membrane Waterproofing System For Buried Structures	Sq Yd	81
Temporary Soil Retention System	Sq Ft	320

**GENERAL NOTES**

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. This work will be measured for payment as each, with each end of each culvert being one each. End sections will be paid for at the contract unit price per each for Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Number of segments shown in Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor.

See roadway plans for embankment slope (V:H).

1"  $\emptyset$  anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for 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.

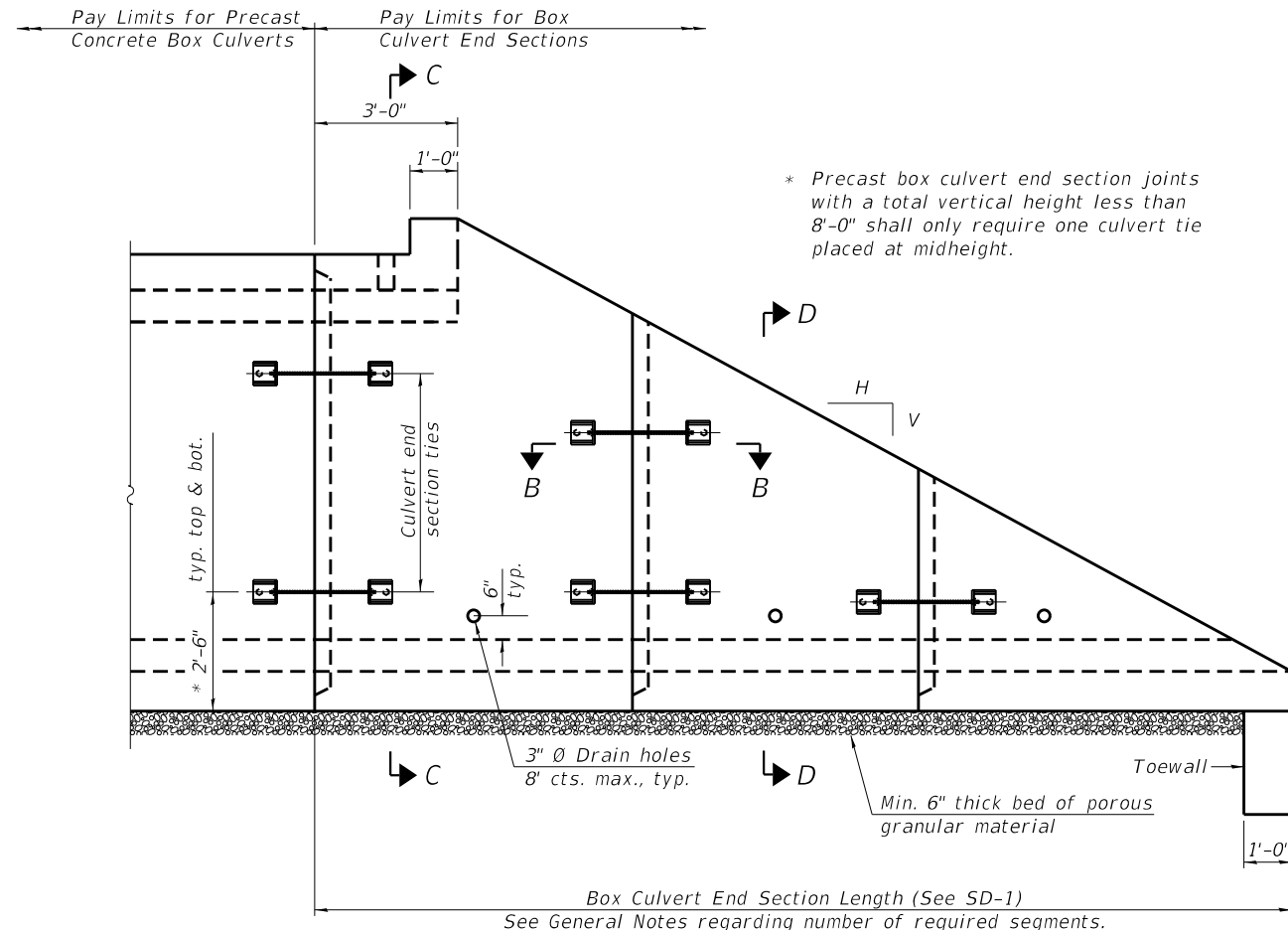
2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided 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.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections of the culvert number specified.

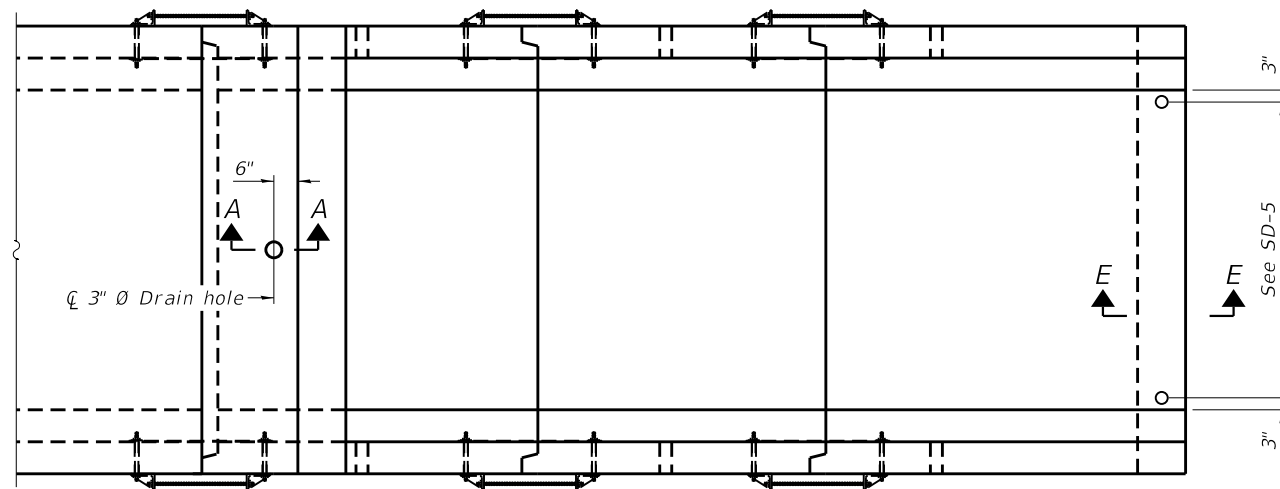
Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd..

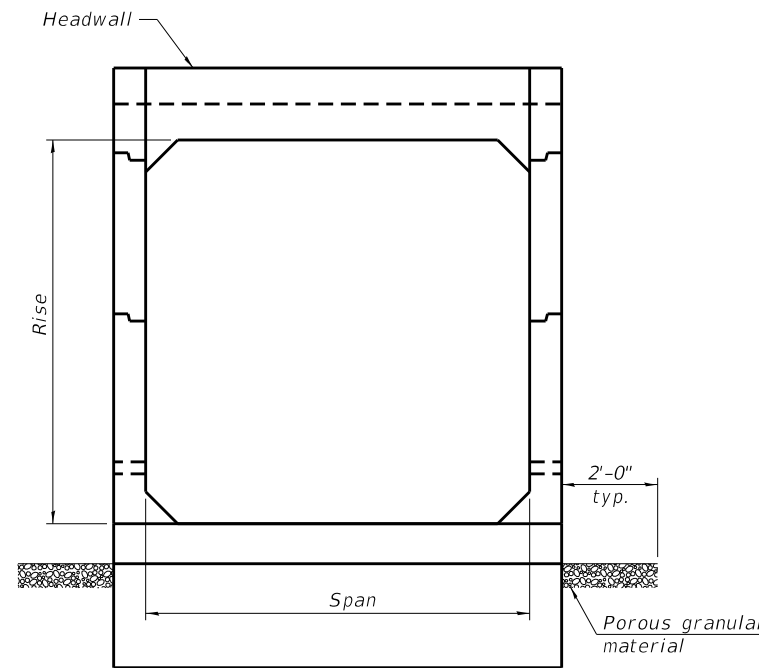
For end sections with traversable pipe grate systems, see grate detail sheet for required modifications.



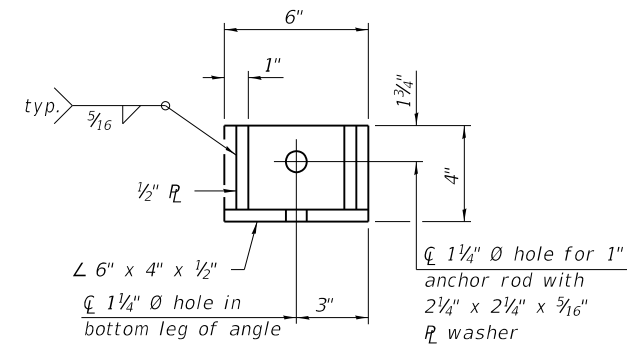
**ELEVATION**



**PLAN**



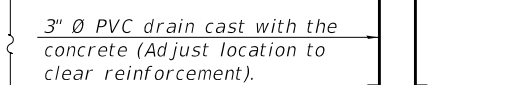
**END VIEW**



**RESTRAINT ANGLE DETAIL**

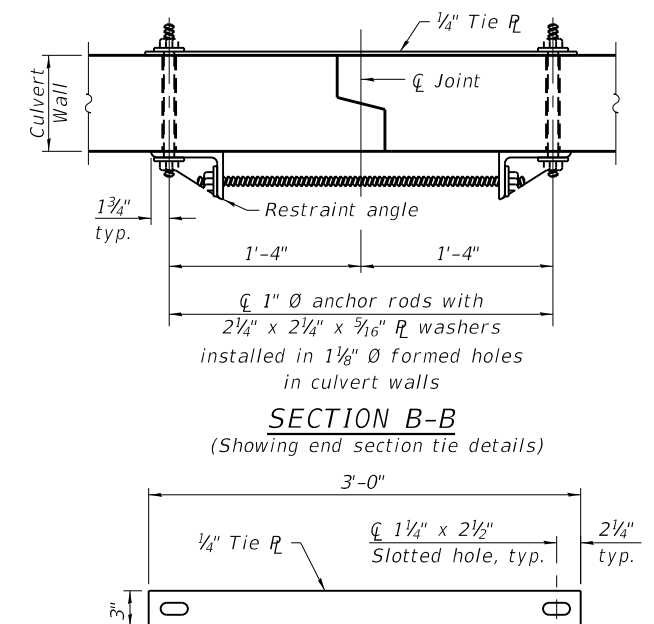
12" x 12" x 6" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Fabric shall be sealed to the concrete with mastic.



**SECTION A-A**

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.) (Sheet 1 of 2)



**SECTION B-B**

(Showing end section tie details)

**TIE PLATE DETAIL**

FILE NAME: N:\PROJ\020887\01\Design\Structural\CAD\SD\_189th Street Culvert\020887\_04\_189thCulvert\_Details.dgn

SCB-TES

2-17-2017



USER NAME = Roadway	DESIGNED - KEC	REVISED -
PLOT SCALE = 0:2.0000" = 1/8"	CHECKED - BWS	REVISED -
PLOT DATE = 3/4/2021	DRAWN - SBA	REVISED -
	CHECKED - BWS	REVISED -

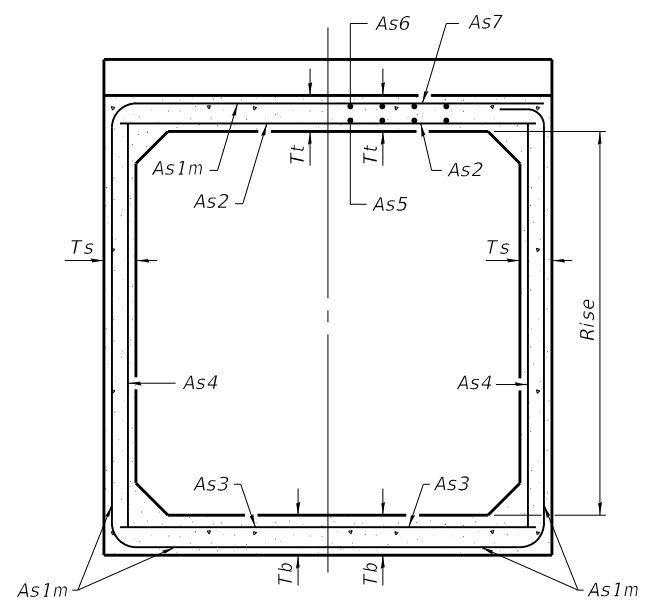
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SINGLE CELL PRECAST BOX CULVERT TAPERED END SECTIONS DETAIL 1  
189TH STREET CULVERT OVER DITCH**

SHEET SD-4 OF SD-6 SHEETS

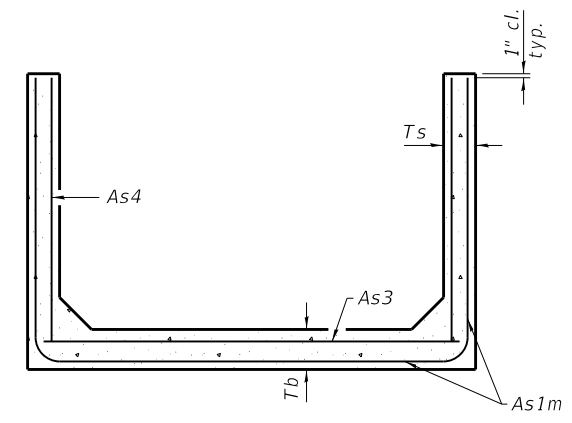
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	802
CONTRACT NO.			61G73	
ILLINOIS FED. AID PROJECT				

FILE NAME: N:\PROJ\020887-01\Design\Structural\CAD\SD\_189th Street Culvert\020887\_05\_189thCulvert\_Details3.dgn

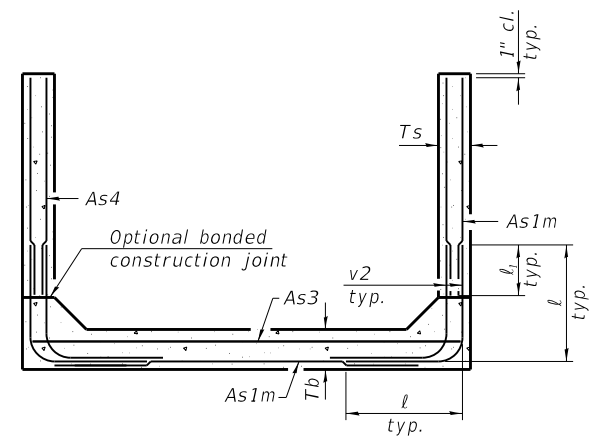


(Design Earth Cover  $\geq$  2 ft) (Design Earth Cover < 2 ft)

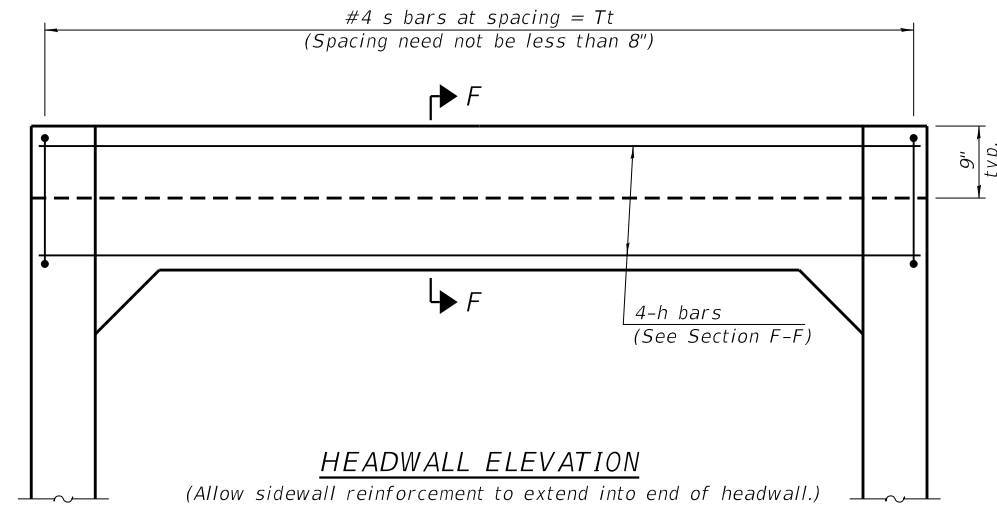
**SECTION C-C**



**SECTION D-D**



**ALTERNATE SECTION D-D**



**HEADWALL ELEVATION**

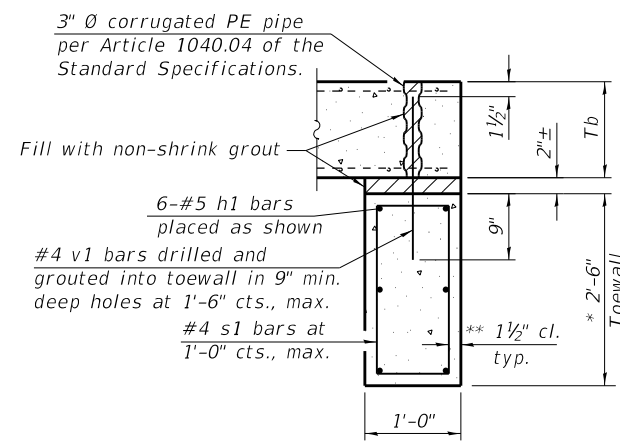
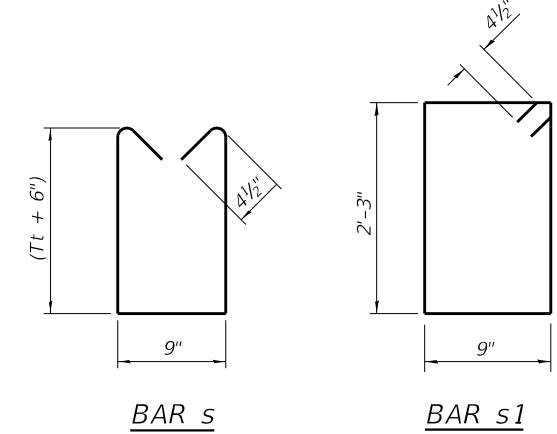
		<b>As1m REINFORCEMENT</b>										
		(in. <sup>2</sup> /ft)										
Ts (in.)	Rise (ft)	2	3	4	5	6	7	8	9	10	11	12
4	0.19	0.17										
5	0.26	0.21	0.18									
6	0.22	0.26	0.23	0.22								
7	0.25	0.33	0.59	0.27	0.28							
8	0.40	0.35	0.43	0.39	0.36	0.34	0.40					
9	0.44	0.39	0.35	0.43	0.40	0.37	0.36	0.48				
10	0.48	0.42	0.38	0.47	0.44	0.41	0.38	0.42	0.56			
11	0.52	0.45	0.54	0.50	0.46	0.44	0.41	0.46	0.50	0.65		
12	0.55	0.49	0.58	0.54	0.50	0.48	0.45	0.46	0.46	0.61	0.75	

(As1m reinforcement based upon welded wire reinforcement conforming to AASHTO M 55 or M 221).

**l<sub>1</sub> DIMENSION**

- #3 bar = 2'-0"
- #4 bar = 2'-8"
- #5 bar = 3'-4"
- #6 bar = 3'-11"

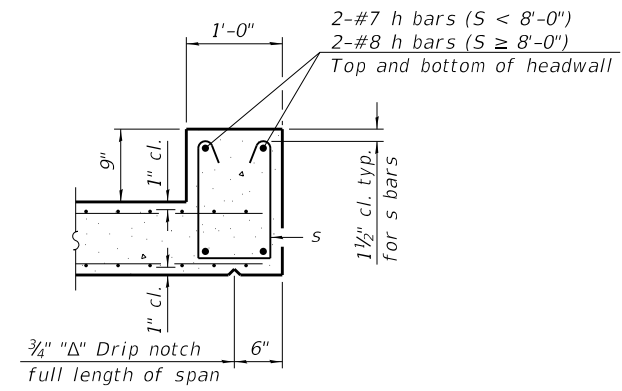
**Notes:**  
 Alternate Section D-D is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when using Alternate Section D-D.  
 The size and spacing of the v2 bars shall provide a minimum reinforcement area along each face of the walls (in.<sup>2</sup>/ft.) equal to 1.10\*(As1m). v2 bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.  
 Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.



**SECTION E-E**

**TOEWALL CONSTRUCTION SEQUENCE**

1. Perform excavation and construct toewall.
  2. Backfill according to the applicable paragraphs of Article 502.10 of the Standard Specifications 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.



**SECTION F-F**

SCB-TES

2-17-2017



USER NAME =	Roadway	DESIGNED -	KEC	REVISED -	
CHECKED -	BWS	CHECKED -	BWS	REVISED -	
PLOT SCALE =	0:2.0000" = 1' / in.	DRAWN -	SBA	REVISED -	
PLOT DATE =	3/4/2021	CHECKED -	BWS	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SINGLE CELL PRECAST BOX CULVERT TAPERED END SECTIONS DETAIL 2  
189TH STREET CULVERT OVER DITCH

SHEET SD-5 OF SD-6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	803
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		

(Sheet 2 of 2)

Page 1 of 1

**Wang Engineering**  
wangeng@wangeng.com  
1145 N Main Street  
Lombard, IL 60148  
Telephone: (630) 953-9928  
Fax:

**BORING LOG CUL-01**

WEI Job No.: 775-21-01

Client: Ciorba Group  
Project: 80th Avenue and Interstate 80  
Location: Will County, IL

Datum: NAVD 88  
Elevation: 693.25 ft  
North: 1778387.75 ft  
East: 1126871.73 ft  
Station:  
Offset:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
693.03	3-inch thick SILTY CLAY --TOPSOIL-- Very stiff, brown and gray SILTY CLAY, trace gravel --FILL-- --RDR 2--		1	2 3	2.00	26	672.8	Medium dense, gray, saturated fine SAND		9	7 13 14	NP	24
	--silty lenses throughout--	5	2	2 3 3	2.00	23			25	10	9 8 11	NP	21
685.3	Stiff, brown and gray CLAY to SILTY CLAY --RDR 2--	10	4	3 3 3	1.89	32	667.8	Medium stiff to very stiff, gray SILTY CLAY LOAM, trace gravel --RDR 2--		11	3 4 6	2.13	15
682.8	Brown to gray, wet, coarse SAND								30	12	3 3 5	0.82	15
681.8	Medium stiff, gray, moist SILTY CLAY LOAM --RDR 2--		5	3 4 3	0.75	20				13	3 5 7	1.39	15
679.3	Loose, gray, wet to saturated SILTY LOAM --RDR 2--	15	6	2 2 2	NP	27			35	14	7 9 9	1.31	14
	--L <sub>l</sub> = NP, P <sub>L</sub> = NP-- --%Gravel = 0.1%-- --%Sand = 17.0%-- --%Silt = 70.8%-- --%Clay = 12.1%--		7	2 2 3	0.50	26	657.8	Medium dense to dense, gray, wet SANDY LOAM --RDR 2--		15	3 5 10	NP	26
675.3	Stiff, gray CLAY to SILTY CLAY --few wet silt lenses--		8	3 3 6	1.15	24			40	16	10 15 18	NP	17

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	10-08-2019	Complete Drilling	10-08-2019	While Drilling	14.00 ft
Drilling Contractor	Wang Testing Services	Drill Rig	17D50T [81%]	At Completion of Drilling	23.00 ft
Driller	K&R	Logger	M. Sad	Time After Drilling	NA
Checked by	E. Yim	Drilling Method	2.25" ID HSA; boring backfilled upon completion		
		Depth to Water	NA		

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

Page 1 of 1

**Wang Engineering**  
wangeng@wangeng.com  
1145 N Main Street  
Lombard, IL 60148  
Telephone: (630) 953-9928  
Fax:

**BORING LOG CUL-02**

WEI Job No.: 775-21-01

Client: Ciorba Group  
Project: 80th Avenue and Interstate 80  
Location: Will County, IL

Datum: NAVD 88  
Elevation: 694.02 ft  
North: 1778330.71 ft  
East: 1126870.65 ft  
Station:  
Offset:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
693.65	3-inch thick SILTY CLAY --TOPSOIL-- Stiff, brown, gray, and black SILTY CLAY, trace to little gravel --FILL-- --RDR 2--		1	3 2 4	1.39	24	673.5	GRAVEL Loose to medium dense, gray SILTY LOAM --RDR 2--		9	2 3 2	0.33	21
	--L <sub>l</sub> = NP, P <sub>L</sub> = NP-- --%Gravel = 0.0%-- --%Sand = 6.2%-- --%Silt = 79.5%-- --%Clay = 14.3%-- --saturated sand seams throughout--	5	2	4 5 3	1.15	24				10	3 4 4	0.33	22
688.5	Very stiff, brown and gray SILTY CLAY LOAM to CLAY LOAM, trace gravel --FILL-- --RDR 2--		3	3 5 4	2.71	19	686.0	Soft to medium stiff, gray SILTY CLAY, trace to little organic matter --RDR 1--		11	3 2 4	0.25	25
686.0		30	4	2 3 3	0.57	37			30	12	8 8 14	1.15	22
683.5	Hard, gray SILTY CLAY LOAM, trace gravel --RDR 2--		13	6 8 7	4.67	13				13	6 8 7	4.67	13
661.0	Medium dense, gray, saturated, medium SAND --RDR 2--	35	14	6 6 6	NP	20			35	14	6 6 6	NP	20
678.5	Stiff, light gray CLAY to SILTY CLAY --RDR 2--		7	2 3 5	1.64	28	658.5	Stiff to very stiff, gray SILTY CLAY LOAM, trace gravel --RDR 2--		15	3 5 7	1.39	15
674.5	Loose, gray, saturated SANDY	20	8	5 4 4	NP	14			40	16	3 5 7	2.30	15

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	10-08-2019	Complete Drilling	10-08-2019	While Drilling	19.50 ft
Drilling Contractor	Wang Testing Services	Drill Rig	17D50T [81%]	At Completion of Drilling	36.50 ft
Driller	K&R	Logger	M. Sad	Time After Drilling	NA
Checked by	E. Yim	Drilling Method	2.25" ID HSA; boring backfilled upon completion		
		Depth to Water	NA		

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

FILE NAME: N:\PROJ\1020887-01\Design\Structural\CAD\SD\_189th Street Culvert\1020887\_06\_189thCulvert\_SoilBoring1.dgn

**CiorbaGroup**  
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631  
P 773.775.4009 | www.ciorba.com

USER NAME = Roadway	DESIGNED - KEC	REVISD -
PLOT SCALE = 0:2.0000 " / in.	CHECKED - BWS	REVISD -
PLOT DATE = 3/4/2021	DRAWN - SBA	REVISD -
	CHECKED - BWS	REVISD -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING  
189TH STREET CULVERT OVER DITCH**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	804
CONTRACT NO.			61G73	

ILLINOIS FED. AID PROJECT

Bench Mark: BM set on SW bolt of FH @ Southside of Street W. of W. Entrance to add 8021.

Maintenance of Traffic: Traffic will be maintained during construction.

Existing Structure: None

### DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

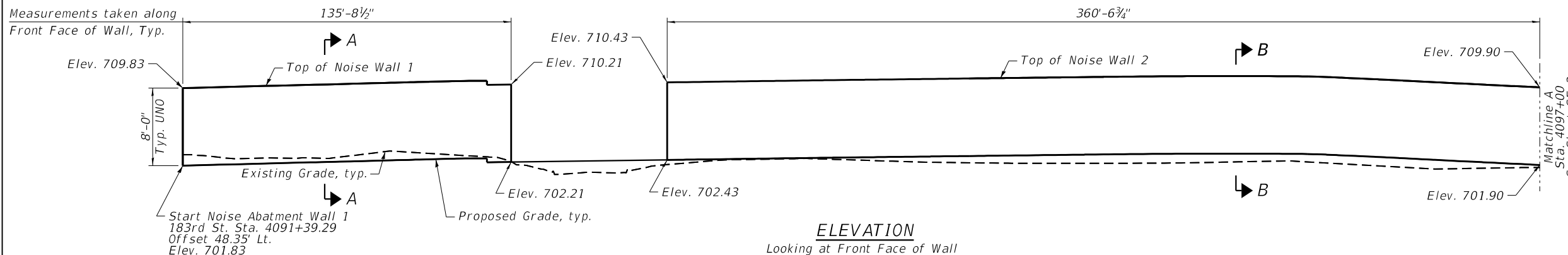
1989 AASHTO Guide Specification for Structural Design of Sound Barriers with 1992 and 2002 Interims

### INDEX OF SHEETS

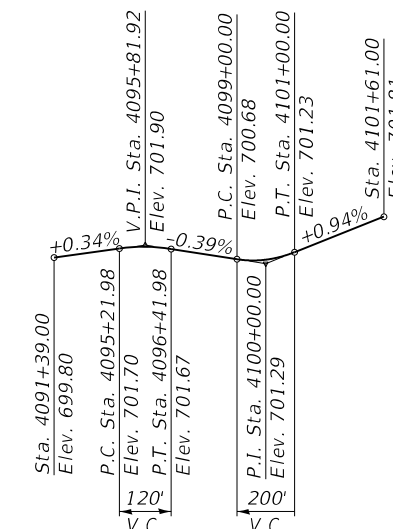
- SE-1 General Plan & Elevation I
- SE-2 General Plan & Elevation II
- SE-3 General Notes & Details
- SE-4 Soil Boring Logs I
- SE-5 Soil Boring Logs II
- SE-6 Soil Boring Logs III

### DESIGN STRESSES

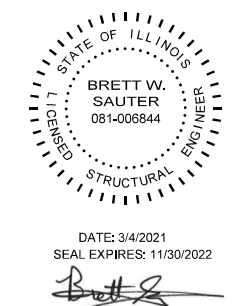
- FIELD UNITS**
- f'c = 3,500 psi
  - fy = 60,000 psi (Reinforcement)
  - fy = 60,000 (Posts)
- PRECAST UNITS**
- f'c = 4,500 psi
  - fy = 60,000 psi (Reinforcement)
  - fy = 65,000 psi (Welded Wire Fabric)



**ELEVATION**  
Looking at Front Face of Wall



**PROFILE GRADE**  
(along 183rd Street)

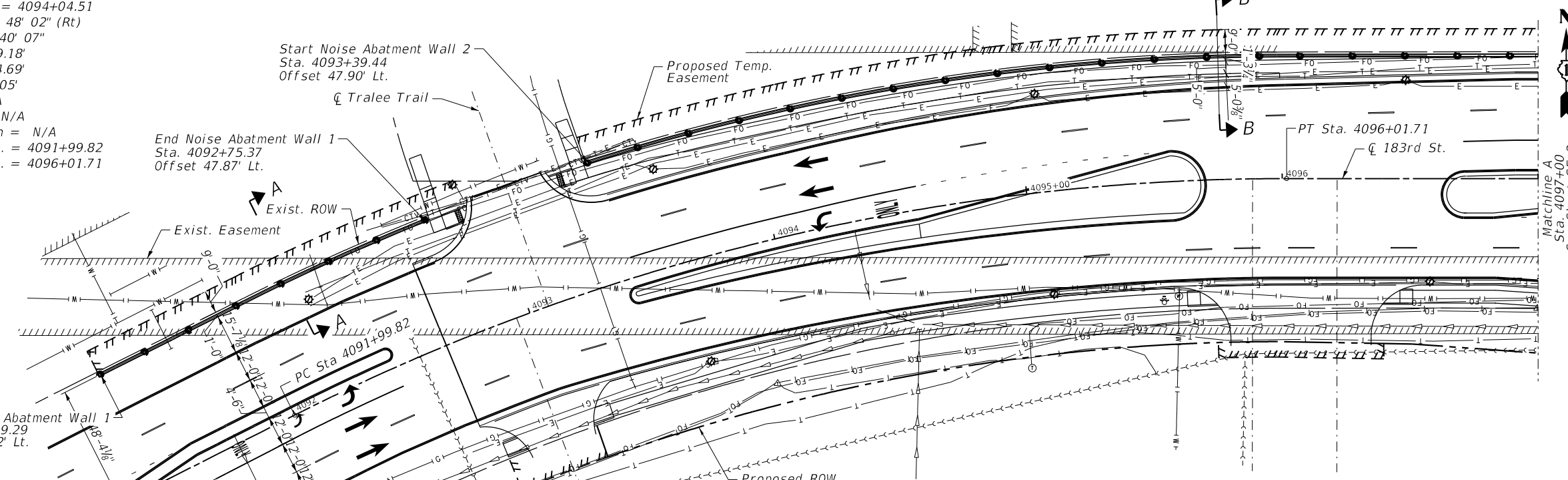


I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current "AASHTO LRFD Bridge Design Specifications"

**GENERAL PLAN AND ELEVATION 1**  
**NOISE ABATEMENT WALL**  
**183RD STREET**  
**F.A.U 2755 - SEC. 06-00122-16-FP**  
**WILL COUNTY**  
**STA. 4091+39.29 TO STA. 4101+17.53**

**CURVE DATA**

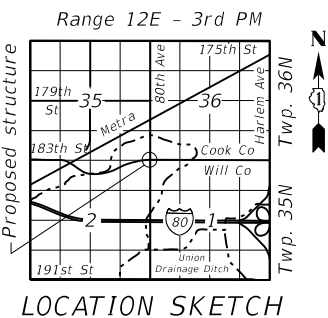
Prop. Curve 183R-0-S-001\_3  
 PI Sta. = 4094+04.51  
 $\Delta = 26^\circ 48' 02''$  (Rt)  
 $D = 6^\circ 40' 07''$   
 $R = 859.18'$   
 $T = 204.69'$   
 $E = 24.05'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. Run = N/A$   
 $P.C. Sta. = 4091+99.82$   
 $P.T. Sta. = 4096+01.71$



**PLAN**

### LEGEND

- Proposed ROW Line
- Existing ROW Line
- ||||| Proposed Temporary Easement
- Existing Easement Line
- T- Existing Underground Telephone Line
- E- Existing Underground Electric Line
- FO- Existing Fiber Optic Line
- G- Existing Gas Line
- SS- Existing Sanitary Sewer
- SSS- Existing Underground Storm Sewer
- W- Existing Underground Water Line
- ⊙ Soil Boring



**LOCATION SKETCH**

- NOTES:**
- Offsets are measure from  $\phi$  183rd Street to the front face of the Noise Abatement Wall.  
 NAW-Noise Abatement Wall  
 BF-Back Face  
 FF-Front Face  
 UON-Unless Otherwise Noted
  - For Sections A-A and B-B, see sheet SE-2.

FILE NAME: N:\PROJ\020887-01\Design\Structural\CAD\SE\_183rd Street\_NAW\020887\_01\_NAW\_GeneralPlan&Elevation.dgn

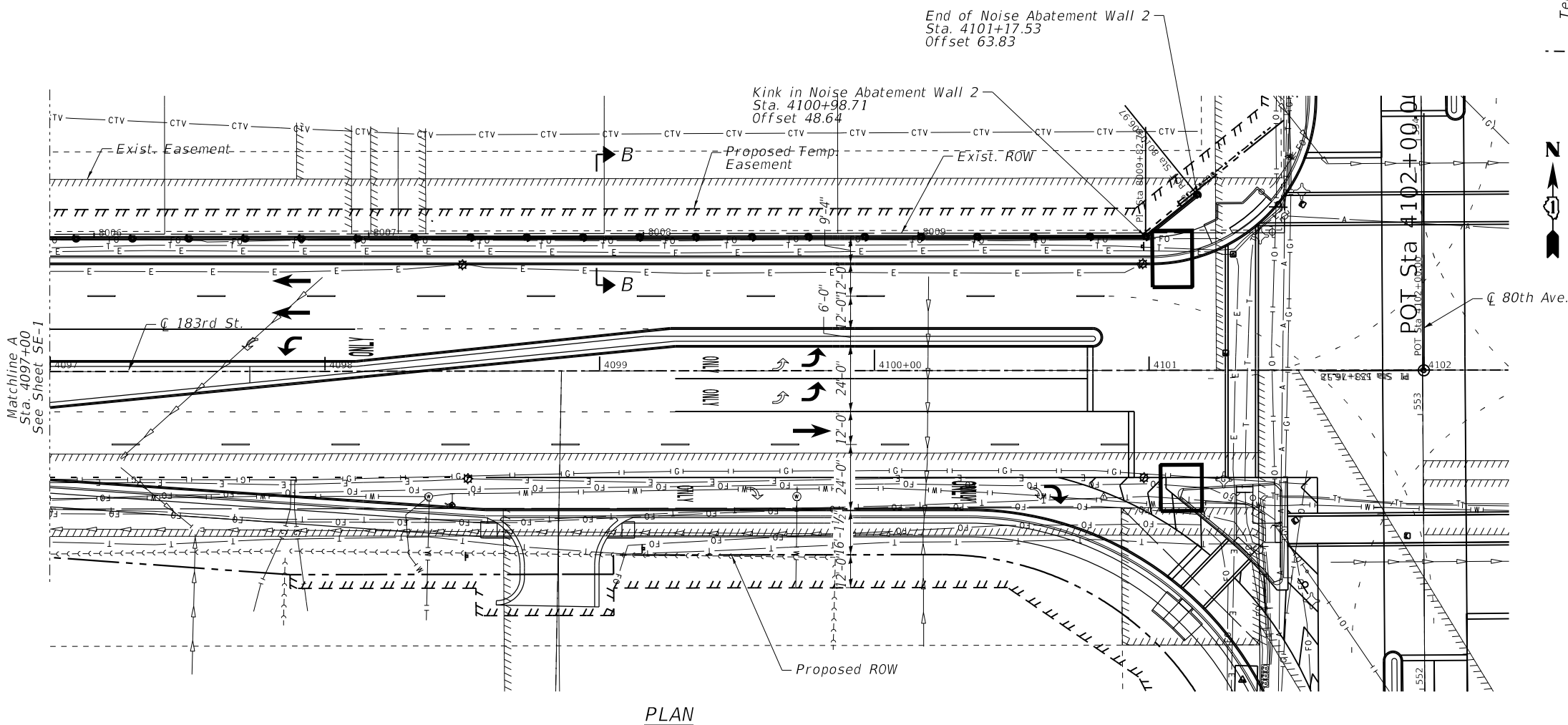
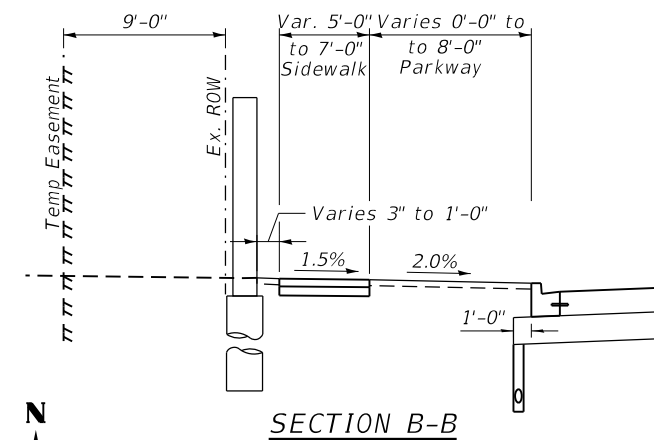
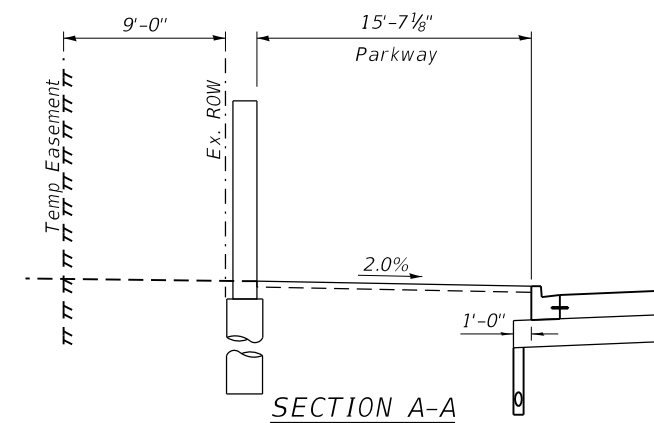
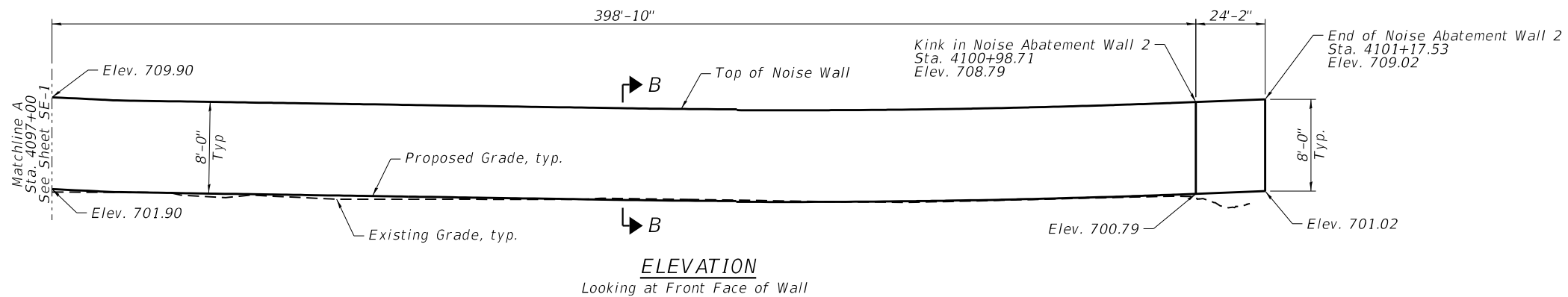


USER NAME =	Roadway	DESIGNED -	RA	REVISED -	
CHECKED -	BWS	CHECKED -	BWS	REVISED -	
PLOT SCALTS=	0.1667' / in.	DRAWN -	SA	REVISED -	
PLOT DATE =	3/4/2021	CHECKED -	JPA, BWS	REVISED -	

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

SHEET SE-1 OF SE-6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	805
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		



**LEGEND**

- Proposed ROW Line
- Existing ROW Line
- Temp. Easement
- Existing Easement Line
- T Existing Underground Telephone Line
- E Existing Underground Electric Line
- FO Existing Fiber Optic Line
- G Existing Gas Line
- S Existing Sanitary Sewer
- W Existing Underground Storm Sewer
- W Existing Underground Water Line
- CTV Existing Underground Cable TV
- Soil Boring

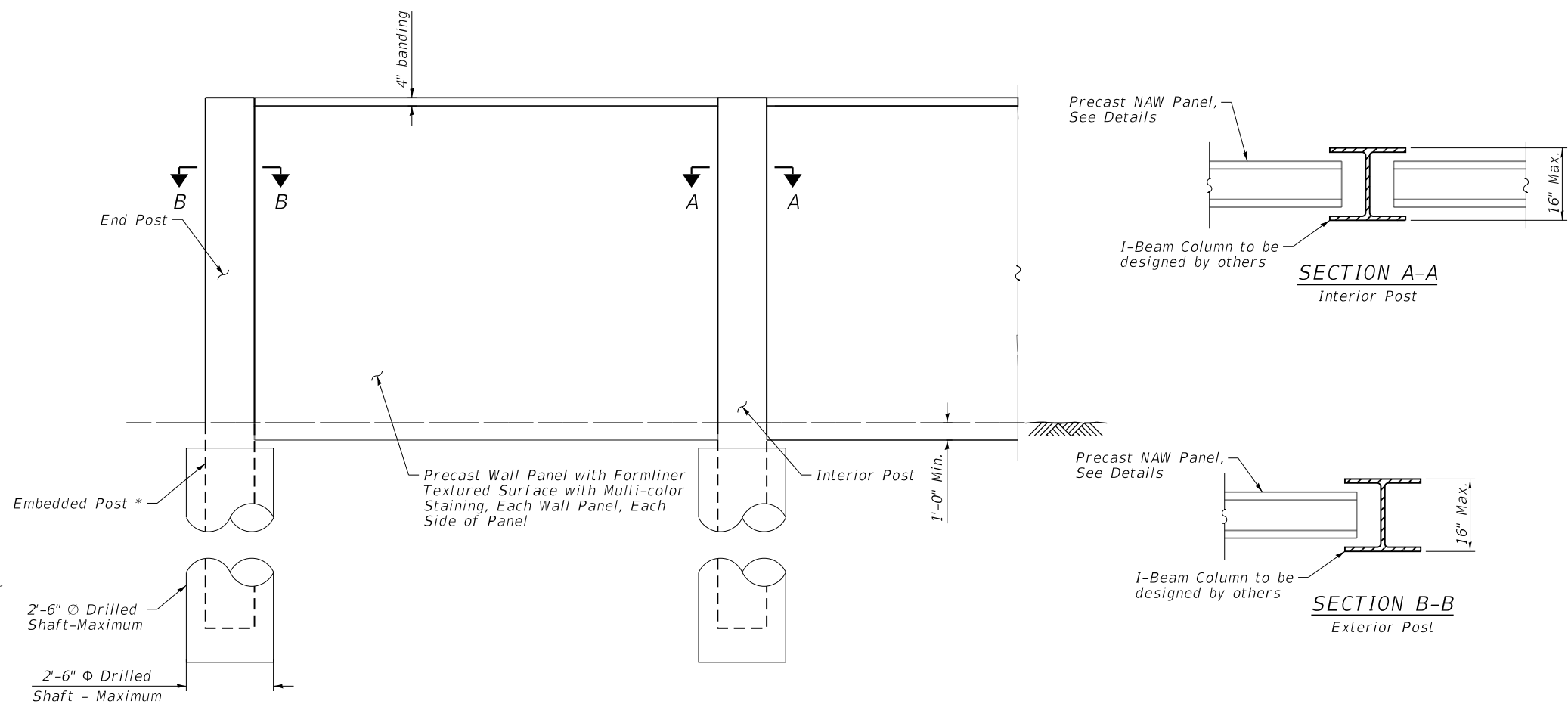
**GENERAL PLAN AND ELEVATION 2**  
**NOISE ABATEMENT WALL**  
**183RD STREET**  
**F.A.U 2755 - SEC. 06-00122-16-FP**  
**WILL COUNTY**  
**STA. 4091+39.29 TO STA. 4101+17.53**

**GENERAL NOTES**

1. Contractor shall follow requirements of Special Provision "Concrete Noise Abatement Walls (Absorptive and reflective) (Dist. 1)" for material, design, fabrication, construction and erection requirements of the proposed Noise Abatement Walls. In addition, a Geotechnical Report for the Noise Abatement Walls by Wang Engineering, dated August 17, 2020 includes recommended design criteria.
2. The Contractor shall review the maintenance of traffic plans. The Construction of the Noise Abatement Walls may need to be sequenced to match the roadway sequence of construction, and the Contractor may not be able to construct the NAW in one continuous operation. Additional mobilization/demobilization required will not be measured for payment, but shall be included in the cost of Noise Abatement Wall, Ground Mounted.
3. See Utilities and Drainage sheets for information related to removals of existing and proposed facilities.
4. The Contractor shall verify location of all existing utilities and structures and shall take all necessary precautions to perform the work in such a manner as to not damage existing utilities or structures located near or beneath the Noise Abatement Walls. Any damage to existing utilities or structures shall be repaired at no cost to the Owner.
5. The proposed Noise Abatement Wall, Ground Mounted foundations are to be determined by the Contractor, and shall be designed to avoid conflicts with the existing facilities.
6. It is anticipated that temporary casing is required for each drilled shaft foundation due to soil conditions. The temporary casing will not be measured separately for payment, and shall be included in the cost of Noise Abatement Wall, Ground Mounted.
7. Textured finish for the precast panels will not be measured separately for payment, and shall be included in the cost of Noise Abatement Wall, Ground Mounted. The stain color and textured finish pattern shall be approved by the Will County Division of Transportation prior to ordering materials or beginning fabrication.
8. It shall be the Contractor's responsibility to field verify existing ground elevations at the locations of the proposed ground mounted Noise Abatement Walls and compare to that shown on the plans. Adjustments to NAW heights as required to accommodate actual field conditions shall be made by the Contractor at no additional cost. Cost to comply with this requirement is included in the cost of Noise Abatement Wall, Ground Mounted.

**LOADING**

Wind Load = 35 psf Min.  
 TL-3 Impact Load applied as per Case 1 of Chapter 13 of AASHTO

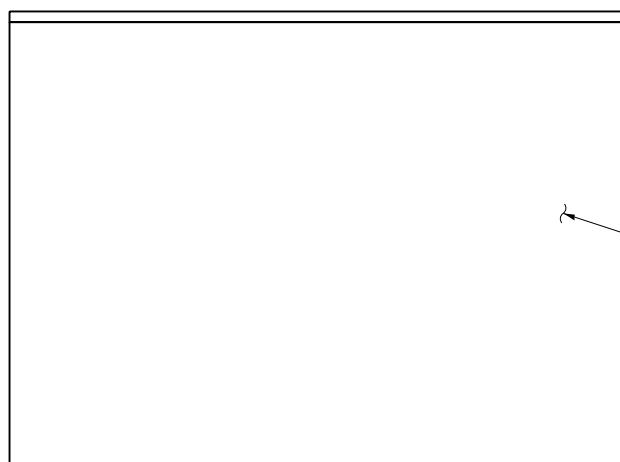


**PARTIAL NOISE ABATEMENT WALL ELEVATION**

\* Type, Size & Spacing of posts, Noise Wall Panels, Drilled Shaft Size & Embedment Length, Reinforcement Details and Wall limits including top and bottom of wall is to be determined by the Noise Wall Supplier during construction.



**NOISE ABATEMENT WALL PATTERN**



**ELEVATION VIEW**

Precast Wall Panel with Formliner Textured Surface with Multi-color Staining, Each Wall Panel, Each Side of Panel

Bottom of Precast NAW Panel to be embedded 1'-0" Min. below proposed ground elevation.

**PRECAST NOISE ABATEMENT WALL PANEL DETAILS**

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Noise Abatement Wall, Ground Mounted	Sq Ft	7,354
Staining Concrete Structures	Sq Ft	7,354

FILE NAME: N:\PROJ\020887-01\Design\Structural\CAD\SE\_183rd Street NAW\020887\_03\_NAW\_GeneralNotes&Details.dgn



USER NAME =	Roadway	DESIGNED -	RA	REVISED -	
		CHECKED -	BWS	REVISED -	
PLOT SCALE(S) =	0:2.0000 " = 1' / in.	DRAWN -	SA	REVISED -	
PLOT DATE =	3/10/2021	CHECKED -	JPA, BWS	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND DETAILS  
 NOISE ABATEMENT WALL; 183RD STREET**

SHEET SE-3 OF SE-6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	807
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G73	

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 Lombard/IL/60148  
 Telephone: 6309539928  
 Fax: 6309539938

**BORING LOG NAW-01** Page 1 of 1  
 WEI Job No.: 775-21-01  
 Client: **Ciorba Group**  
 Project: **80th Avenue and Interstate 80**  
 Location: **Will County, IL**

Datum: NAVD 88  
 Elevation: 701.60 ft  
 North: 1782003.88 ft  
 East: 1125924.44 ft  
 Station:  
 Offset:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
700.7	10.5-inch thick ASPHALT --PAVEMENT--												
700.3	Gray SANDY GRAVEL --AGGREGATE BASE--	1	3	2.05	21					9	4	2.46	14
	Very stiff, brown and gray SILTY CLAY, trace gravel												
	--RDR 2--												
	--FILL--												
		2	4	NR						10	6	3.85	19
		5	5										
696.1	Stiff to very stiff, gray SILTY CLAY, trace gravel												
	--RDR 2--												
		3	4	3.61	19					11	3	1.64	15
		4	3	3.67	21					12	3	2.21	19
		5	3	2.05	22					2	4	1.97	24
							669.6	Loose, gray, coarse SAND; saturated					
		6	3	1.64	22					3	3	NP	24
		7	3	1.64	25					4	7	2.95	14
		8	6	3.61	13					8	4	1.50	15
683.6	Stiff to very stiff, gray SILTY CLAY LOAM to SILTY CLAY, trace gravel												
	--RDR 2--												
		14	8	1.07	13					14	8	1.07	13

**GENERAL NOTES**  
 Begin Drilling 08-03-2020 Complete Drilling 08-03-2020  
 Drilling Contractor Wang Testing Services, Drill Rig CME55 TMR [85%]  
 Driller NC&KG Logger F. Bogza Checked by NSB  
 Drilling Method 2.25" ID HSA; boring backfilled upon completion

**WATER LEVEL DATA**  
 While Drilling 32.00 ft  
 At Completion of Drilling 17.00 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.

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**BORING LOG NAW-02** Page 1 of 1  
 WEI Job No.: 775-21-01  
 Client: **Ciorba Group**  
 Project: **80th Avenue and Interstate 80**  
 Location: **Will County, IL**

Datum: NAVD 88  
 Elevation: 701.49 ft  
 North: 1782037.37 ft  
 East: 1126014.61 ft  
 Station:  
 Offset:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
700.6	11-inch thick ASPHALT --PAVEMENT--												
700.2	6-inch thick, gray SANDY GRAVEL; moist --AGGREGATE BASE--	1	4	NP	21					9	3	2.46	18
	Stiff, brown SILTY CLAY LOAM, trace gravel												
	--FILL--												
		2	5	3.50	21					10	3	2.46	18
696.0	Stiff to very stiff, brown to gray SILTY CLAY, trace gravel												
	--RDR 2--												
		3	4	3.36	21					11	3	1.89	13
		4	3	2.46	21					12	3	1.97	19
		5	2	1.97	24					2	4	1.97	24
		6	4	2.95	14					7	7	4.92	16
		7	4	4.92	16					8	4	1.50	15
		8	4	1.50	15					14	6	1.15	12
661.5	Stiff to hard, gray SILTY CLAY LOAM to SILTY CLAY, trace gravel												
	--RDR 2--												
		13	3	1.48	13					13	4	1.48	13
		14	3	1.15	12					14	3	1.15	12

**GENERAL NOTES**  
 Begin Drilling 08-03-2020 Complete Drilling 08-03-2020  
 Drilling Contractor Wang Testing Services, Drill Rig CME55 TMR [85%]  
 Driller NC&KG Logger F. Bogza Checked by NSB  
 Drilling Method 2.25" ID HSA; boring backfilled upon completion

**WATER LEVEL DATA**  
 While Drilling 32.00 ft  
 At Completion of Drilling 35.00 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.

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**BORING LOG NAW-03** Page 1 of 1  
 WEI Job No.: 775-21-01  
 Client: **Ciorba Group**  
 Project: **80th Avenue and Interstate 80**  
 Location: **Will County, IL**

Datum: NAVD 88  
 Elevation: 701.78 ft  
 North: 1782064.94 ft  
 East: 1126116.64 ft  
 Station:  
 Offset:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
700.8	11.5-inch thick ASPHALT --PAVEMENT--												
700.5	Gray SANDY GRAVEL; moist --AGGREGATE BASE--	1	3	1.80	23					9	3	1.23	21
	Stiff, brown and gray SILTY CLAY LOAM, trace gravel												
	--FILL--												
		2	4	3.94	20					10	6	0.98	16
		3	4	3.36	20					11	5	NR	
		4	3	2.79	20					12	4	0.90	13
		5	4	1.64	14					5	7	2.95	14
		6	3	1.40	13					13	4	0.90	14
		7	2	0.66	16					14	4	1.07	16
		8	3	1.15	16					14	4	1.07	16

**GENERAL NOTES**  
 Begin Drilling 07-30-2020 Complete Drilling 07-30-2020  
 Drilling Contractor Wang Testing Services, Drill Rig CME55 TMR [85%]  
 Driller NC&KG Logger F. Bogza Checked by NSB  
 Drilling Method 2.25" ID HSA; boring backfilled upon completion

**WATER LEVEL DATA**  
 While Drilling 18.50 ft  
 At Completion of Drilling 25.00 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.

FILE NAME: N:\PROJ\020887-01\Design\Structural\CAD\SE\_183rd Street NAW\020887\_04\_NAW\_Boring\_1.dgn



USER NAME = Roadway	DESIGNED - RA	REVISED -
PLOT SCALE(S) = 0.1667' / in.	CHECKED - BWS	REVISED -
PLOT DATE = 3/4/2021	DRAWN - SA	REVISED -
	CHECKED - JPA, BWS	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS I  
 NOISE ABATEMENT WALL; 183RD STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	808
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		



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**BORING LOG NAW-04** Page 1 of 1  
 WEI Job No.: 775-21-01  
 Datum: NAVD 88  
 Elevation: 702.55 ft  
 North: 1782079.10 ft  
 East: 1126224.88 ft  
 Station: 80th Avenue and Interstate 80  
 Location: Will County, IL

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No. recovery	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No. recovery	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
701.6	11.5-inch thick ASPHALT --PAVEMENT--												
701.0	Gray SANDY GRAVEL --AGGREGATE BASE--												
	Stiff, brown SILTY CLAY LOAM, trace gravel	1	4 6 7	1.50	22								
699.5	--FILL--												
	Medium stiff to very stiff, brown to gray SILTY CLAY, trace gravel	2	4 6 7	2.30	21								
	--RDR 2--												
		3	4 6 9	3.03	20								
	--wet spoon; possible sand lens--												
		4	3 5 8	3.53	21								
		5	3 4 6	2.05	21								
		6	2 3 4	0.90	21								
	--L <sub>c</sub> (%)=37, P <sub>c</sub> (%)=16-- --%Gravel=1.7-- --%Sand=9.1-- --%Silt=51.3-- --%Clay=37.9--												
687.0	Medium stiff to stiff, gray SILTY CLAY LOAM to SILTY CLAY trace gravel	7	3 5 7	1.72	15								
	--RDR 2--												
		8	3 6 7	1.72	15								

**GENERAL NOTES**  
 Begin Drilling 07-30-2020 Complete Drilling 07-30-2020  
 Drilling Contractor Wang Testing Services, Drill Rig CME55 TMR [85%]  
 Driller NC&KG, Logger F. Bogza, Checked by NSB  
 Drilling Method 2.25" ID HSA; boring backfilled upon completion

**WATER LEVEL DATA**  
 While Drilling 25.50 ft  
 At Completion of Drilling 20.00 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.

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**BORING LOG NAW-05** Page 1 of 1  
 WEI Job No.: 775-21-01  
 Datum: NAVD 88  
 Elevation: 702.11 ft  
 North: 1782081.79 ft  
 East: 1126306.26 ft  
 Station: 80th Avenue and Interstate 80  
 Location: Will County, IL

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No. recovery	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No. recovery	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
701.1	12-inch thick ASPHALT --PAVEMENT--												
700.4	4-inch thick, gray SANDY GRAVEL --AGGREGATE BASE--												
	Medium stiff to stiff, brown and gray SILTY CLAY	1	3 3 5	1.75	22								
	--FILL--												
	Stiff to very stiff, gray SILTY CLAY, trace gravel	2	2 3 3	0.50	29								
	--RDR 1--												
		3	3 4 5	2.30	22								
	--wet spoon; possible sand lens--												
		4	3 3 5	2.13	21								
		5	4 5 8	2.71	20								
		6	3 4 6	1.89	23								
		7	3 5 8	1.97	20								
		8	3 5 8	1.89	20								

**GENERAL NOTES**  
 Begin Drilling 07-29-2020 Complete Drilling 07-30-2020  
 Drilling Contractor Wang Testing Services, Drill Rig CME55 TMR [85%]  
 Driller NC&KG, Logger F. Bogza, Checked by NSB  
 Drilling Method 2.25" ID HSA; boring backfilled upon completion

**WATER LEVEL DATA**  
 While Drilling 25.50 ft  
 At Completion of Drilling 34.00 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.

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**BORING LOG NAW-06** Page 1 of 1  
 WEI Job No.: 775-21-01  
 Datum: NAVD 88  
 Elevation: 700.67 ft  
 North: 1782084.67 ft  
 East: 1126413.64 ft  
 Station: 80th Avenue and Interstate 80  
 Location: Will County, IL

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No. recovery	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No. recovery	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
699.7	12-inch thick ASPHALT --PAVEMENT--												
699.3	Gray SANDY GRAVEL, moist --AGGREGATE BASE--												
	Stiff to very stiff, brown and gray SILTY CLAY, trace gravel	1	3 3 7	2.05	24								
	--FILL--												
	Stiff, gray SILTY CLAY LOAM, trace gravel	2	3 3 4	1.64	21								
	--RDR 2--												
		3	2 5 8	2.46	20								
	Medium dense, gray SILTY LOAM; damp												
	--RDR 2--												
		4	3 4 6	2.30	20								
	Gray, fine SAND; saturated												
	Stiff to very stiff, gray SILTY CLAY to SILTY CLAY LOAM, trace gravel	5	3 5 6	2.05	20								
	--RDR 2--												
		6	3 5 5	1.89	22								
		7	3 3 4	1.48	23								
		8	2 3 5	1.48	24								

**GENERAL NOTES**  
 Begin Drilling 07-29-2020 Complete Drilling 07-29-2020  
 Drilling Contractor Wang Testing Services, Drill Rig CME55 TMR [85%]  
 Driller NC&KG, Logger F. Bogza, Checked by NSB  
 Drilling Method 2.25" ID HSA; boring backfilled upon completion

**WATER LEVEL DATA**  
 While Drilling 28.00 ft  
 At Completion of Drilling 33.00 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.

FILE NAME: N:\PROJ\020887-01\Design\Structural\CAD\SE\_183rd Street\_NAW\0020887\_05\_NAW\_Boring2.dgn



USER NAME =	Roadway	DESIGNED -	RA	REVISED -	
PLOT SCALE(S) =	0.1667' / in.	CHECKED -	BWS	REVISED -	
PLOT DATE =	3/4/2021	DRAWN -	SA	REVISED -	
		CHECKED -	JPA, BWS	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS II  
 NOISE ABATEMENT WALL; 183RD STREET**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	809
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		

SHEET SE-5 OF SE-6 SHEETS

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
700.2	11.5-inch thick ASPHALT --PAVEMENT--							680.6	Medium stiff to stiff, gray SILTY CLAY LOAM, trace gravel						
699.8	Gray SANDY GRAVEL; moist --AGGREGATE BASE--	1	3	4	5	1.50	21								
	Stiff, brown SILTY CLAY LOAM --FILL-- --RDR 2--														
		2	4	3	4	1.50	21								
		5	3	3	4										
695.6	Stiff to very stiff, brown to gray SILTY CLAY, trace gravel							675.6	Loose, gray, fine SAND; saturated						
	--RDR 2--	3	4	5	8	2.46	19								
		4	3	6	7	2.71	19	674.0	Stiff to very stiff, gray SILTY CLAY LOAM, trace gravel						
		10	4	3	7										
		5	2	4	6	1.97	20								
		6	3	5	6	2.13	22								
		7	3	4	5	2.05	22								
		8	2	4	4	1.23	21								
		15	3	5	6										
		20	4	4	4										
		30	4	4	6	1.50	21								
		40	3	6	7	1.89	12								

**GENERAL NOTES**  
 Begin Drilling 07-29-2020 Complete Drilling 07-29-2020  
 Drilling Contractor Wang Testing Services, Drill Rig CME55 TMR [85%]  
 Driller NC&KG Logger F. Bogza Checked by NSB  
 Drilling Method 2.25" ID HSA; boring backfilled upon completion

**WATER LEVEL DATA**  
 While Drilling 25.50 ft  
 At Completion of Drilling 28.00 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.

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
700.6	11-inch thick ASPHALT --PAVEMENT--							676.0	Medium stiff to stiff, gray SILTY CLAY LOAM, trace gravel						
700.0	7-inch thick, gray SANDY GRAVEL; wet --AGGREGATE BASE--	1	5	3	3	1.39	26								
	Stiff, gray SILTY CLAY LOAM, trace gravel --FILL-- --RDR 2--														
		2	4	2	3										
		5	4	2	3										
696.0	Stiff to very stiff, brown to gray SILTY CLAY, trace gravel							676.0	Medium stiff to stiff, gray SILTY CLAY LOAM, trace gravel						
	--RDR 2--	3	4	4	5	2.15	22								
		4	4	4	6	1.50	21								
		10	4	4	6										
		5	4	5	8	2.46	19								
		6	3	5	7	2.30	20								
		7	3	5	7	2.21	19								
		8	3	4	7	1.97	22								
		15	3	5	7										
		20	3	4	7	1.97	22								
		30	4	4	5	0.87	16								
		35	4	5	9	1.39	15								
		40	4	5	5	1.27	15								

**GENERAL NOTES**  
 Begin Drilling 07-28-2020 Complete Drilling 07-28-2020  
 Drilling Contractor Wang Testing Services, Drill Rig CME55 TMR [85%]  
 Driller NC&KG Logger F. Bogza Checked by NSB  
 Drilling Method 2.25" ID HSA; boring backfilled upon completion

**WATER LEVEL DATA**  
 While Drilling 1.00 ft  
 At Completion of Drilling 34.00 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.

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
700.1	10-inch thick ASPHALT --PAVEMENT--							675.4	Stiff, gray SILTY CLAY LOAM, trace gravel						
699.6	6-inch thick, gray CRUSHED STONE; wet --BASE COURSE--	1	2	4	6	1.89	19								
	Stiff, brown and gray SILTY CLAY, trace gravel --FILL-- --RDR 2--														
		2	3	4	6	1.31	37								
	Stiff to very stiff, brown to gray SILTY CLAY to SILTY CLAY LOAM, trace gravel														
	--RDR 2--	3	2	2	3	1.07	21								
		4	2	3	4	1.31	21								
		5	2	4	6	1.56	21								
		6	4	5	6	2.46	20								
		7	3	5	7	2.05	20								
		8	3	5	8	2.05	21								
		15	4	5	6										
		20	3	5	8	2.05	21								
		30	3	5	7										
		35	4	5	7										
		40	5	6	10	1.56	13								

**GENERAL NOTES**  
 Begin Drilling 07-28-2020 Complete Drilling 07-28-2020  
 Drilling Contractor Wang Testing Services, Drill Rig CME55 TMR [85%]  
 Driller NC&KG Logger F. Bogza Checked by NSB  
 Drilling Method 2.25" ID HSA; boring backfilled upon completion

**WATER LEVEL DATA**  
 While Drilling 1.00 ft  
 At Completion of Drilling 38.00 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.

FILE NAME: N:\PROJ\020887-01\Design\Structural\CAD\SE\_183rd Street\_NAW\020887\_06\_NAW\_Boring3.dgn



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PLOT DATE = 3/4/2021	DRAWN - SA	REVISED -
	CHECKED - JPA, BWS	REVISED -

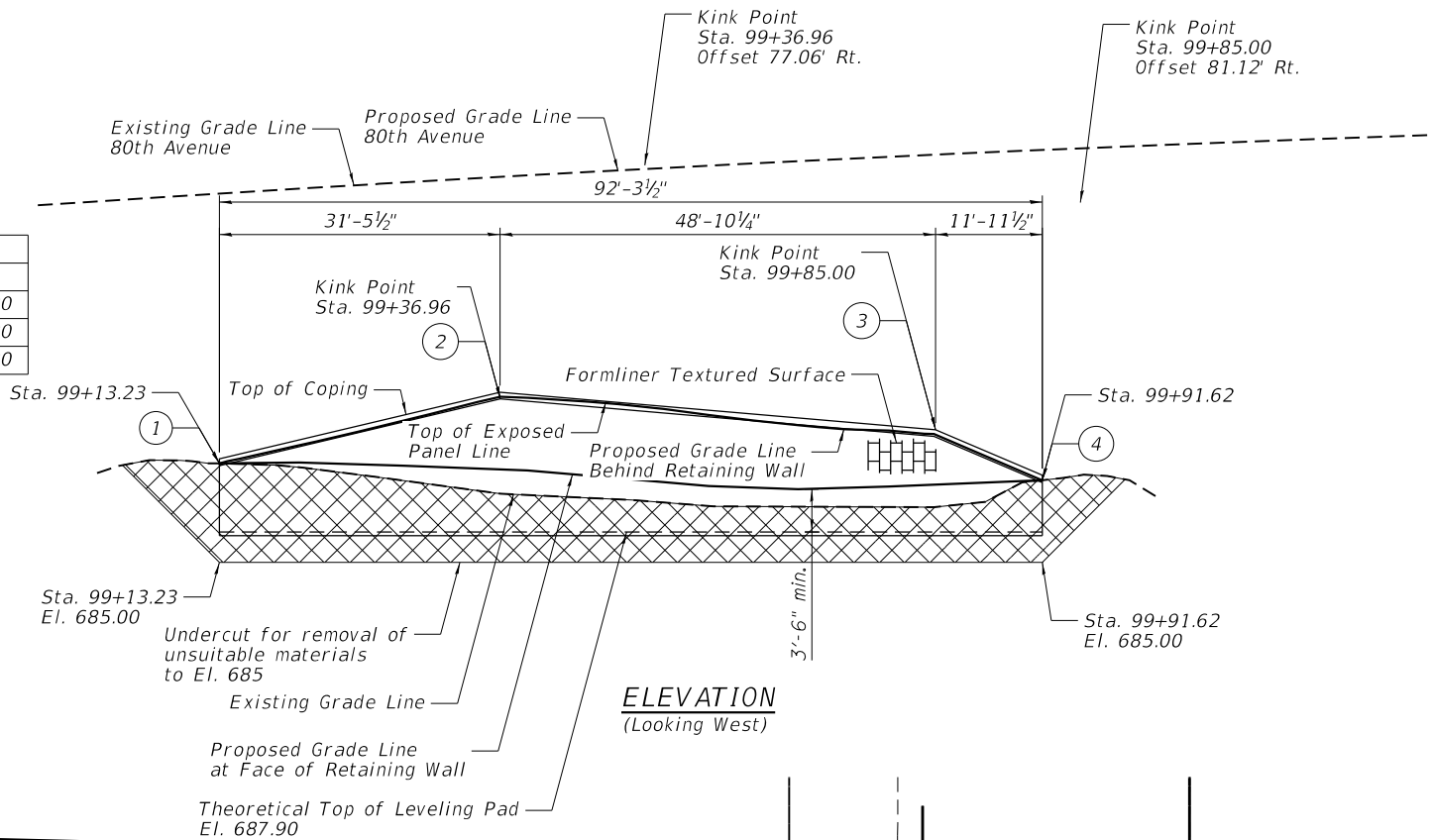
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS III  
 NOISE ABATEMENT WALL; 183RD STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	810
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		

Existing Structure: None.

Elevation Table				
	1	2	3	4
Top of Coping	695.20	702.70	699.30	693.30
Top of Exposed Panel	694.20	701.03	697.63	692.30
Ground Line	694.20	690.94	689.43	692.30

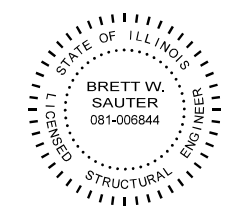
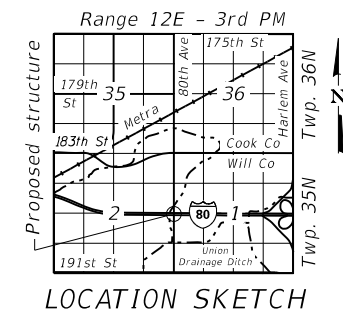
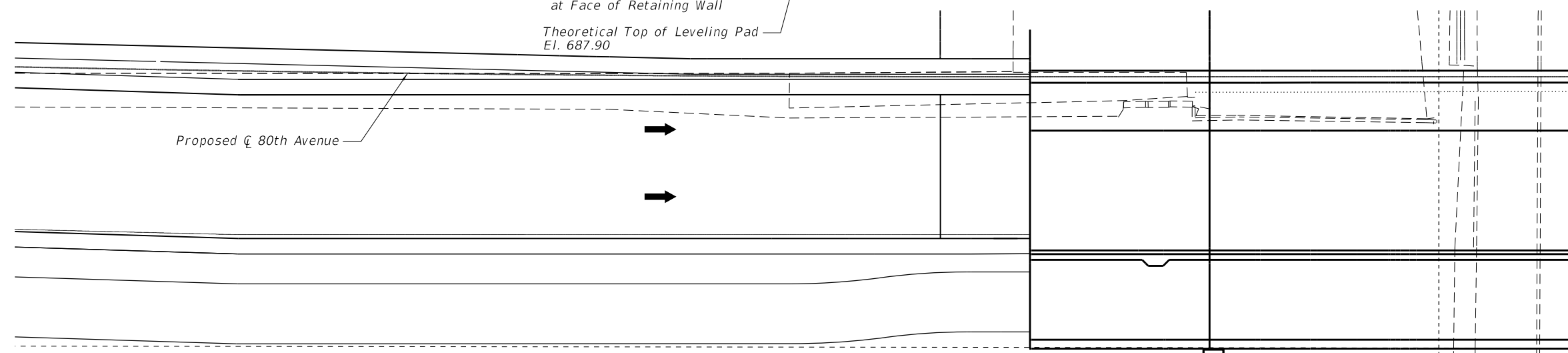


**DESIGN SPECIFICATIONS**  
2017 AASHTO LRFD Bridge Design Specifications,  
8th Edition

**DESIGN STRESSES**

**FIELD UNITS**

$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)  
 $f'_c = 4,500$  psi (Precast Face Panels)



DATE: 3/4/2021  
SEAL EXPIRES: 11/30/2022

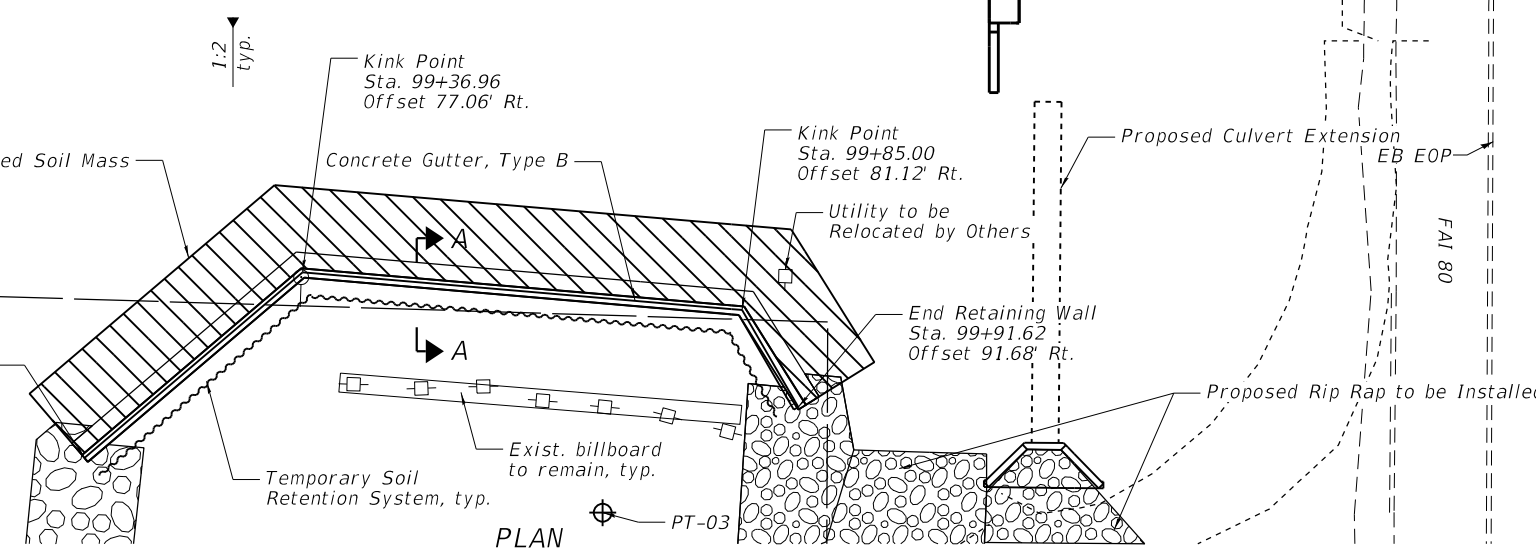
*Brett W. Sauter*

**GENERAL PLAN**  
**80TH AVE OVER I-80**  
**F.A.U. 2755 - SEC. 06-00122-16-FP**  
**WILL COUNTY**  
**STATION 99+13.23 TO 99+91.62**  
**STRUCTURE NO. 099-0430 (RET WALL)**

**NOTES:**

For Section A-A, see Sheet SF-3

PT-04



**PLAN**



USER NAME =	Roadway	DESIGNED -	APD	REVISED -	
		CHECKED -	BWS	REVISED -	
PLOT SCALE =	0.1667' / in.	DRAWN -	SBA	REVISED -	
PLOT DATE =	3/4/2021	CHECKED -	BWS	REVISED -	

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

**GENERAL PLAN AND ELEVATION**  
**STRUCTURE NO. 099-0430 (RET WALL)**

SHEET SF-1 OF SF-6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	811
CONTRACT NO.			61G73	

ILLINOIS FED. AID PROJECT

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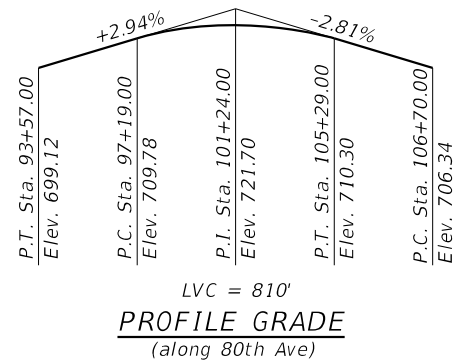
3/4/2021 1:54:35 PM

**NOTES:**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Limits of Removal and Disposal of Unsuitable Material for Structures shall extend to an elevation of 685.00. Backfill with Rock Fill to bottom of leveling pad.
3. Offsets are measured from the Proposed  $\text{C}$  of 80th Avenue to the front face of wall.
4. Formliner shall match formliner used on 80th Avenue Bridge over FAI-80. Cost to be included in the cost of the MSE wall.

**INDEX OF SHEETS**

- SF-1 General Plan and Elevation
- SF-2 General Notes, Bill of Material & Index of Sheets
- SF-3 MSE Wall Cross Section
- SF-4 MSE Wall Details
- SF-5 Railing Details
- SF-6 Soil Boring Logs



**TOTAL BILL OF MATERIAL**

DESCRIPTION	UNIT	TOTAL
Removal And Disposal Of Unsuitable Material For Structures	Cu Yd	189
Pipe Handrail	Foot	96
Temporary Soil Retention System	Sq Ft	864
Mechanically Stabilized Earth Retaining Wall	Sq Ft	1,095
Concrete Gutter, Type B	Foot	96
Rock Fill	Ton	492

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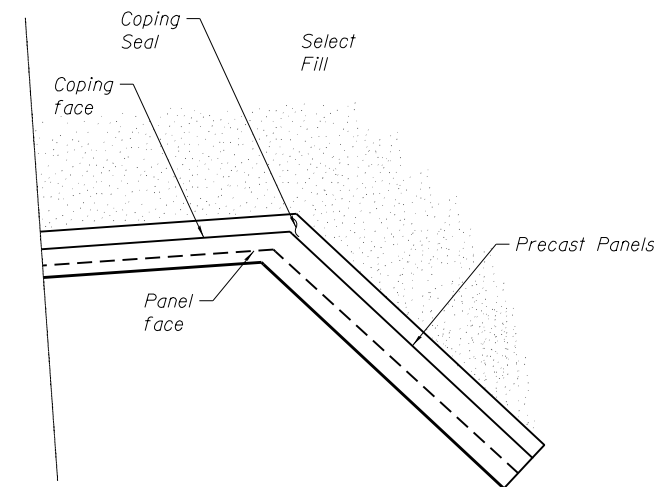
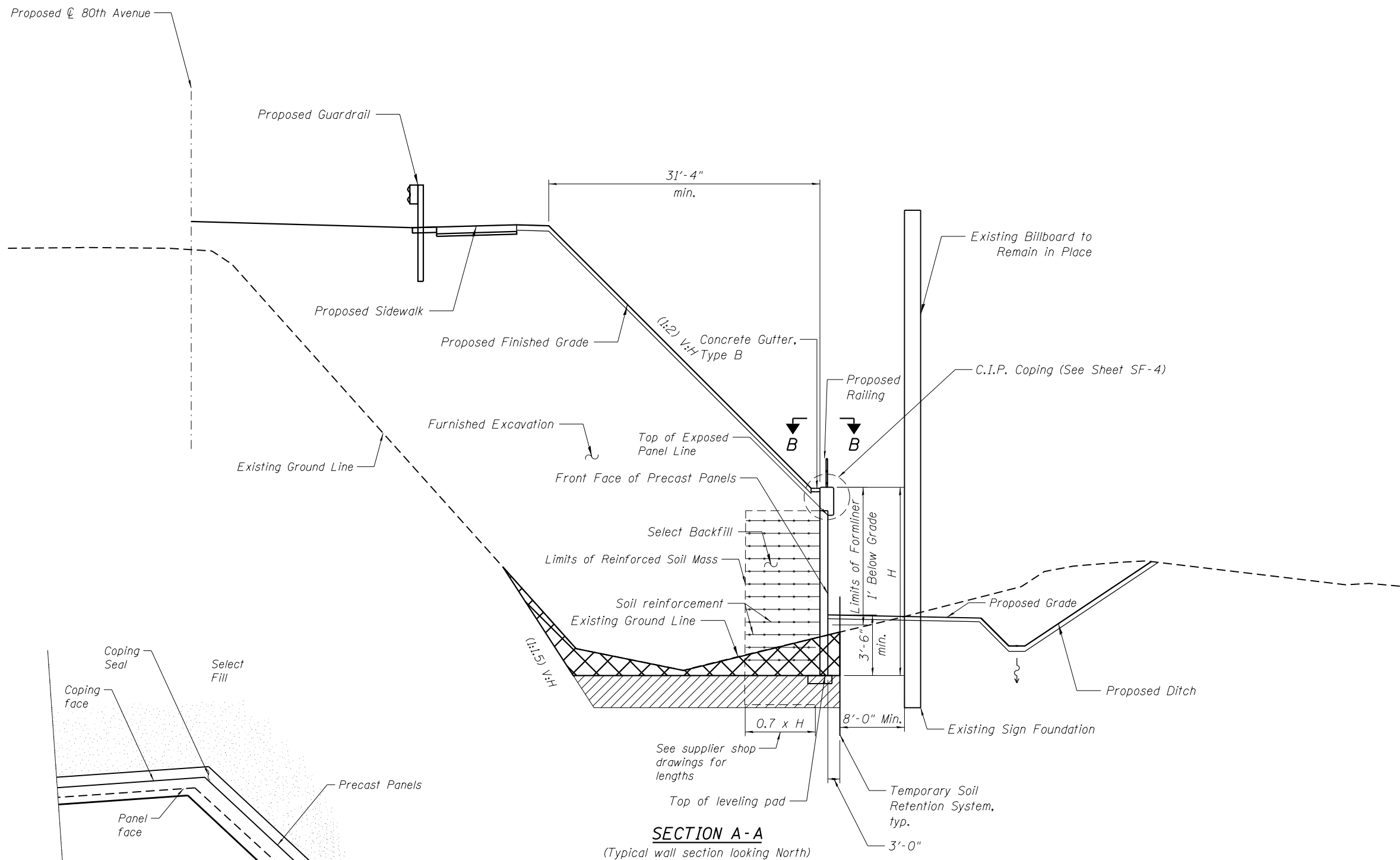
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PLOT SCALE =	0.1667' / in.	DRAWN -	SBA	REVISED -	
PLOT DATE =	3/4/2021	CHECKED -	BWS	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, BILL OF MATERIAL & INDEX OF SHEETS  
STRUCTURE NO. 099-0430 (RET WALL)**

SHEET SF-2 OF SF-6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	812
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		



- Removal of unsuitable materials and Select Fill or Embankment
- Removal of unsuitable materials for structures and Rock Fill

**SECTION A-A**

(Typical wall section looking North)

**VIEW B-B**  
(at corner of MSE wall)

FILE NAME: N:\PROJ\020887-01\Design\Structural\CAD\Billboard Retaining Wall\020887\_03\_Billboard RW-CrossSection.dgn

**CiorbaGroup**  
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631  
P 773.775.4009 | www.ciorba.com

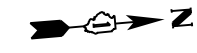
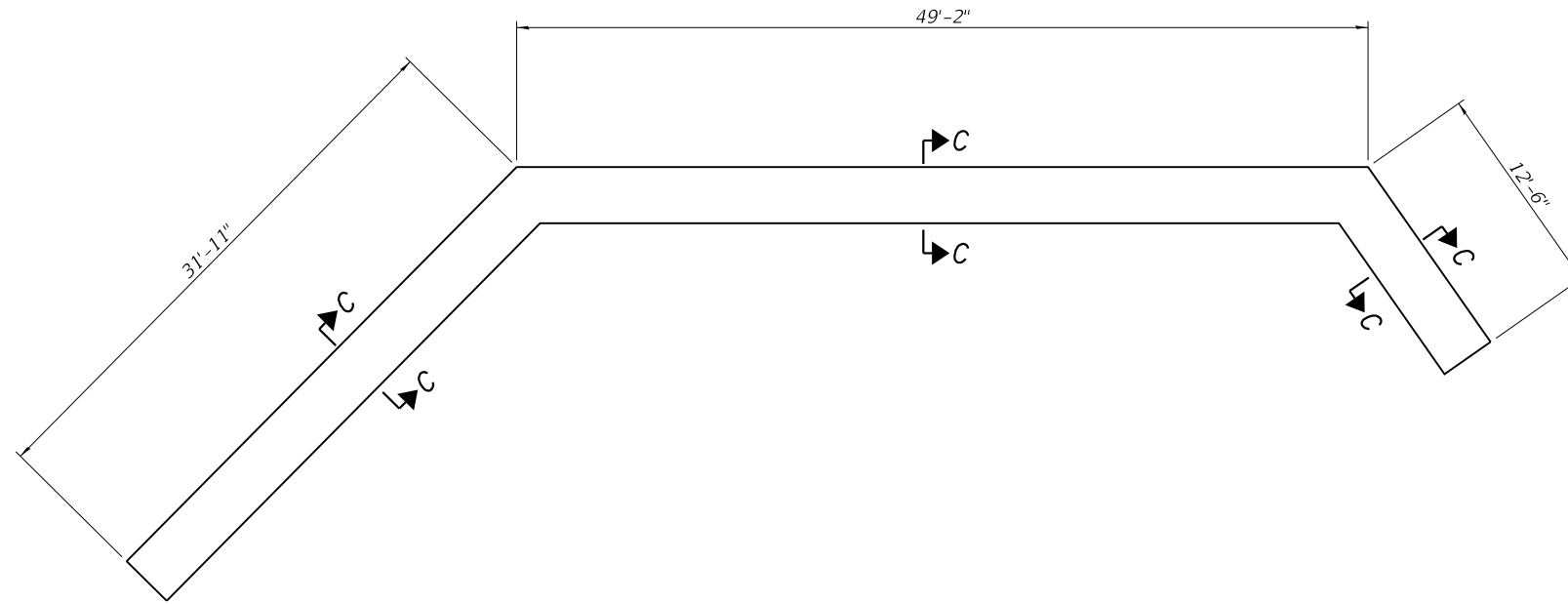
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PLOT DATE =	3/4/2021	CHECKED -	BWS	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

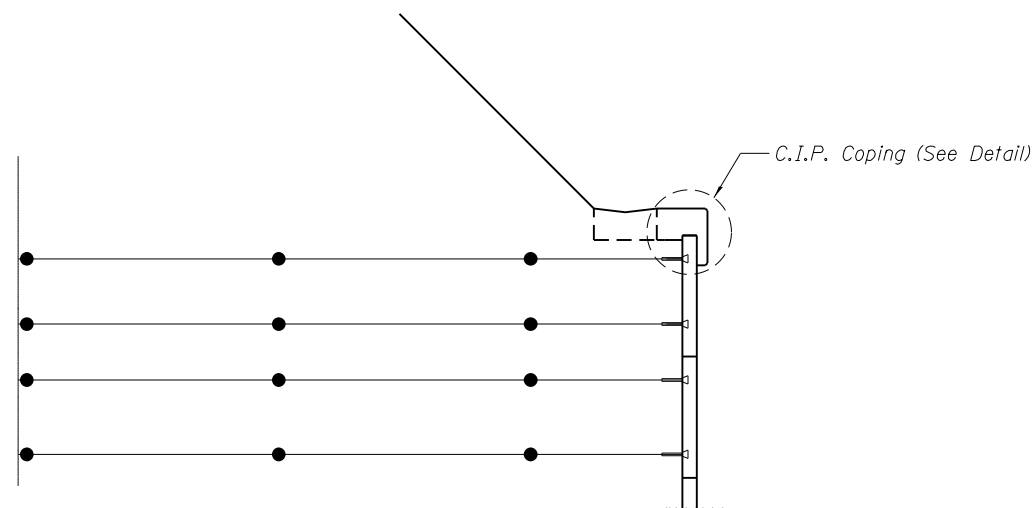
**CROSS SECTION  
STRUCTURE NO. 099-0430 (RET WALL)**

SHEET SF-3 OF SF-6 SHEETS

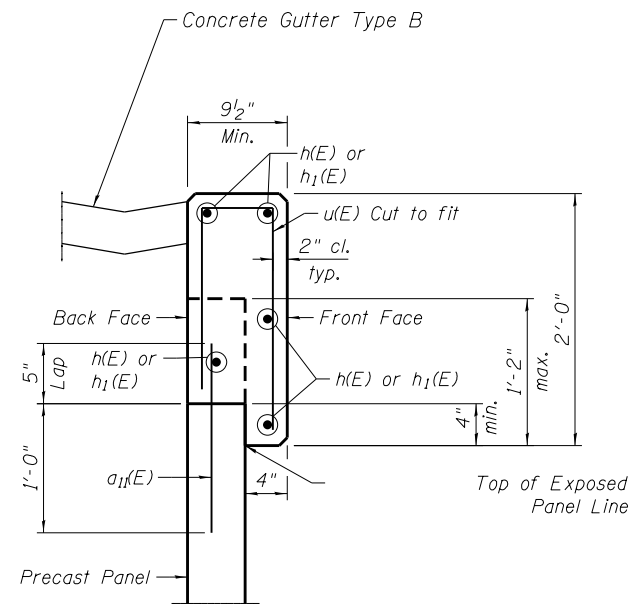
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	813
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		



COPING PLAN



DETAIL D



SECTION C-C

FILE NAME: N:\PROJ\020887-01\Design\Structural\CAD\Billboard Retaining Wall\020887\_04\_Billboard RW-Details.dgn



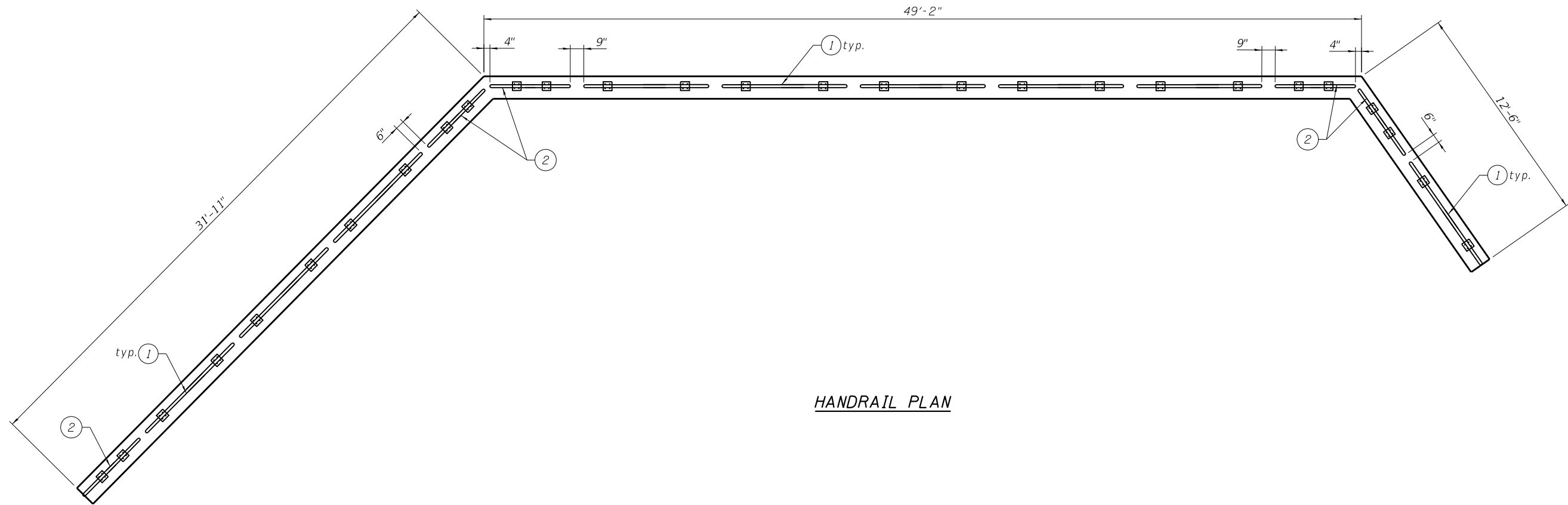
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PLOT DATE =	3/4/2021	CHECKED -	BWS	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

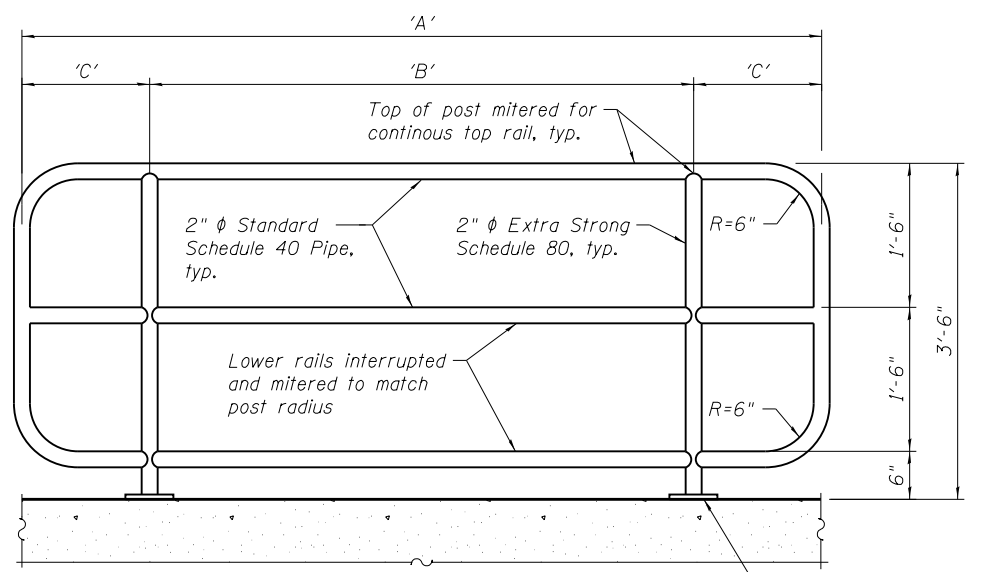
**DETAILS  
STRUCTURE NO. 099-0430 (RET WALL)**

SHEET SF-4 OF SF-6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	814
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		



**HANDRAIL PLAN**



**HANDRAIL ELEVATION**

**HANDRAIL DIMENSIONS**

Designation	'A'	'B'	'C'
①	7'-0"	5'-0"	1'-0"
②	4'-6"	2'-6"	1'-0"

**NOTES:**

1. All Rail Post joints shall be welded & ground smooth prior to galvanizing.
2. Rail shall be fabricated in jig, true and straight to line.
3. Handrail shall be galvanized after fabrication is complete.
4. Handrail Posts shall be installed plumb and in-line.
5. Pipe Handrail shall be designed according to section 509 of Standard Specifications and Section 2.7.3 - "Pedestrian Railing" of the AASHTO Standard Specifications for Highway Bridges except pipe shall be hot dipped galvanized.
6. Contractor shall submit catalog cuts for approval prior to ordering material.

ITEM	UNIT	TOTAL
Pipe Handrail	Foot	96

FILE NAME: N:\PROJ\020887-01\Design\Structural\CAD\Billboard Retaining Wall\020887\_05\_Billboard RV-Railing Details.dgn

**Wang Engineering**  
 wangeng@wangeng.com  
 1145 N Main Street  
 Lombard, IL 60148  
 Telephone: (630) 953-9928  
 Fax:

**BORING LOG PT-03**  
 WEI Job No.: 775-21-01  
 Client: **Ciorba Group**  
 Project: **80th Avenue and Interstate 80**  
 Location: **Will County, IL**

Datum: NGVD  
 Elevation: 692.72 ft  
 North: 1779163.11 ft  
 East: 1127065.49 ft  
 Station: 99+69.92  
 Offset: 103.15 RT

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No. recovery	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No. recovery	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
693.3	Very stiff, brown gray, SILTY CLAY to SILTY CLAY LOAM --FILL--	0	1	3 4 4	2.30 B	22	693.3	10-inch thick, black SILTY CLAY --TOPSOIL--	0	9	8 10 15	6.48 B	20
689.7	Stiff, black SILTY CLAY	5	2	3 4 4	1.48 B	33	689.7	Very stiff to hard, brown SILTY CLAY, trace gravel --FILL--	5	10	2 2 5	1.00 P	12
687.2	Soft, brown to gray CLAY LOAM, with wood fragments	10	3	1 1 1	0.41 B	27	687.2	Stiff, gray LOAM to SANDY LOAM; moist	10	11	5 8 12	4.76 B	16
684.7	--3-inches sand--	15	4	2 2 4	1.80 B	22	684.7	Stiff to hard, gray SILTY CLAY to SILTY CLAY LOAM, trace to little gravel	15	12	9 13 13	5.99 B	12
684.7	Stiff to hard, gray SILTY CLAY	20	5	3 4 5	1.72 B	20			20	13	7 7 10	NR	
			6	6 6 9	4.10 B	18			25	14	5 6 8	1.31 B	14
			7	5 8 9	5.58 B	19			30	15	8 7 10	1.39 B	14
			8	4 5 8	2.38 B	15			35	16	3 7 9	1.97 B	13

**GENERAL NOTES**  
 Begin Drilling: 03-29-2019  
 Complete Drilling: 03-29-2019  
 Drilling Contractor: Wang Testing Services  
 Drill Rig: D25 ATV [93%]  
 Driller: R&K  
 Logger: I. Nenn  
 Checked by: NSB  
 Drilling Method: 2.25" ID HSA; boring backfilled upon completion

**WATER LEVEL DATA**  
 While Drilling: 23.00 ft  
 At Completion of Drilling: 19.00 ft  
 Time After Drilling: NA  
 Depth to Water: NA

Boring terminated at 40.00 ft

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

**Wang Engineering**  
 wangeng@wangeng.com  
 1145 N Main Street  
 Lombard, IL 60148  
 Telephone: (630) 953-9928  
 Fax:

**BORING LOG PT-04**  
 WEI Job No.: 775-21-01  
 Client: **Ciorba Group**  
 Project: **80th Avenue and Interstate 80**  
 Location: **Will County, IL**

Datum: NGVD  
 Elevation: 694.14 ft  
 North: 1779079.50 ft  
 East: 1127063.21 ft  
 Station: 98+86.35  
 Offset: 98.86 RT

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No. recovery	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No. recovery	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
693.3	10-inch thick, black SILTY CLAY --TOPSOIL--	0	1	5 3 5	2.00 P	20	693.3	Very stiff to hard, brown SILTY CLAY, trace gravel --FILL--	0	9	5 5 7	1.89 B	14
687.1	Medium stiff to stiff, SILTY LOAM to SILTY CLAY LOAM	5	2	7 9 12	6.56 B	20	687.1	Stiff to very stiff, brown SILTY CLAY, trace gravel	5	10	4 3 7	0.66 B	14
688.6	Stiff to very stiff, brown SILTY CLAY, trace gravel	10	3	2 3 4	1.64 B	24	688.6	Very stiff, gray SILTY CLAY LOAM; damp	10	11	4 5 6	1.39 B	14
		15	4	4 4 5	2.30 B	17			15	12	4 4 8	1.39 B	13
		20	5	3 4 5	2.05 B	15	683.6	Very stiff, gray SILTY CLAY LOAM; damp	20	13	4 6 8	2.30 B	15
		25	6	5 6 6	2.87 B	14	681.1	Gray, saturated SAND	25	14	5 8 12	3.50 P	12
681.1	Stiff to very stiff, gray SILTY CLAY to SILTY CLAY LOAM, trace gravel	30	7	3 5 6	2.05 B	15	680.1	Very stiff, gray LOAM	30	15	8 18 23	8.20 B	12
		35	8	5 6 7	2.30 B	15	658.6	Stiff to hard, gray SILTY CLAY to SILTY CLAY LOAM, with sand lenses	35	16	15 9 8	1.00 P	20
		40						--disturbed sample--	40				

**GENERAL NOTES**  
 Begin Drilling: 03-29-2019  
 Complete Drilling: 03-29-2019  
 Drilling Contractor: Wang Testing Services  
 Drill Rig: D25 ATV [93%]  
 Driller: R&K  
 Logger: I. Nenn  
 Checked by: NSB  
 Drilling Method: 2.25" ID HSA; boring backfilled upon completion

**WATER LEVEL DATA**  
 While Drilling: 33.00 ft  
 At Completion of Drilling: DRY  
 Time After Drilling: NA  
 Depth to Water: NA

Boring terminated at 40.00 ft

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

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PLOT DATE = 3/4/2021	DRAWN - SBA	REVISED -
	CHECKED - BWS	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SOIL BORINGS  
 STRUCTURE NO. 099-0430 (RET WALL)

SHEET SF-6 OF SF-6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	816
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		



COUNTY OF WILL  
MAJOR ACCESS

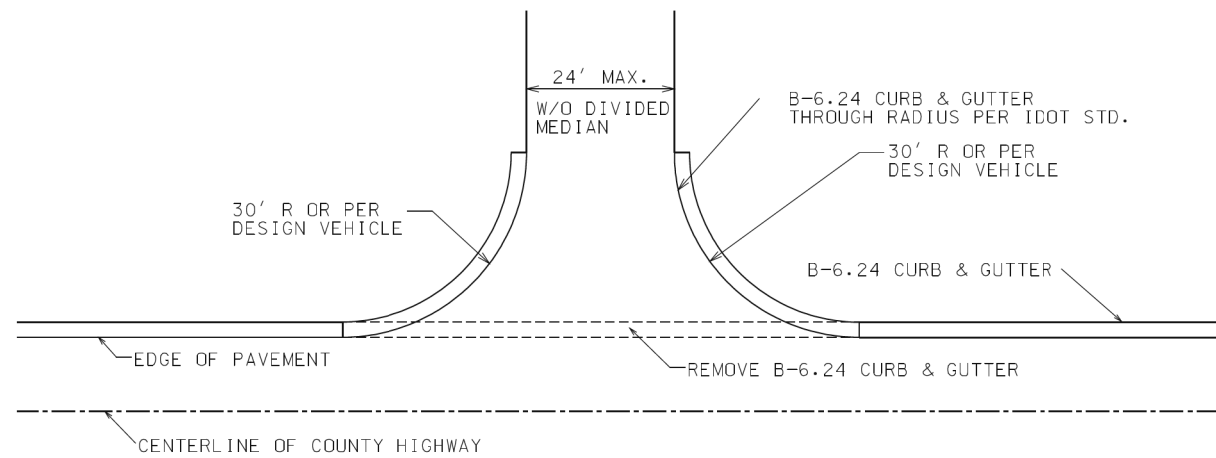
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NOTE: ALL CONSTRUCTION TO BE DONE ACCORDING TO STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION"

PAVEMENT TO SLOPE AWAY FROM THE COUNTY HIGHWAY AT A RATE OF 1/4" PER FOOT (2%)

ALL DISTURBED GROUND WITHING THE COUNTY RIGHT-OF-WAY SHALL BE RE-SEEDED, FERTILIZED, AND EXCELSIOR BLANKET INSTALLED TO THE SATISFACTION OF THE WILL COUNTY DEPARTEMENT OF HIGHWAYS.

ALL PAVEMENT WITHIN COUNTY RIGHT OF WAY SHALL MATCH THE W.C.D.H. MINIMUM PROPOSED TYPICAL SECTION OR PER PLAN TYPICAL SECTION.



Revised 1/3/07

COUNTY OF WILL  
MAJOR ACCESS  
RIGHT IN / RIGHT OUT

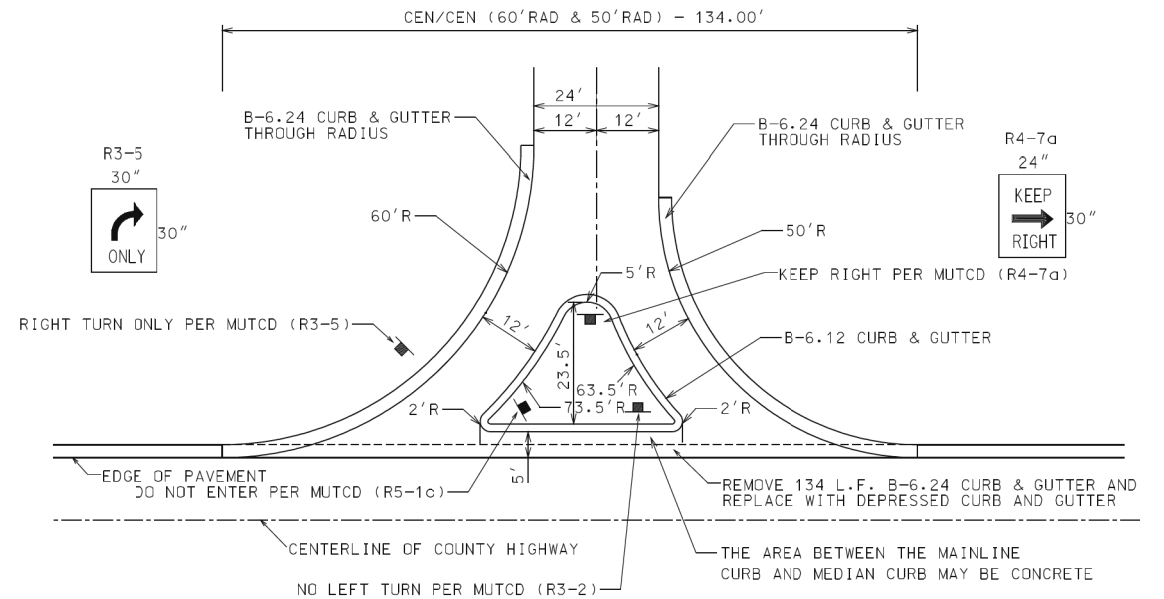
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NOTE: ALL CONSTRUCTION TO BE DONE ACCORDING TO STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION"

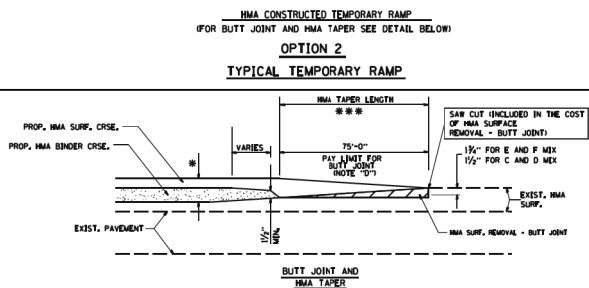
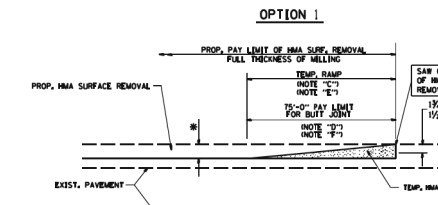
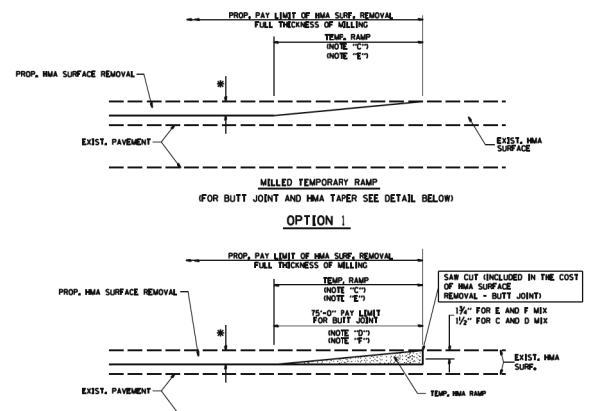
MEDIAN AREA TO BE BACKFILLED WITH COURSE AGGREGATE FILL AND CAPPED WITH 4" CONCRETE MEDIAN SURFACE ACCORDING TO I.D.O.T. STANDARDS

ALL DISTURBED GROUND WITHING THE COUNTY RIGHT-OF-WAY SHALL BE RE-SEEDED, FERTILIZED, AND EXCELSIOR BLANKET INSTALLED TO THE SATISFACTION OF THE WILL COUNTY DEPARTEMENT OF HIGHWAYS.

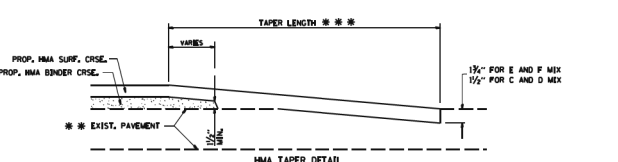
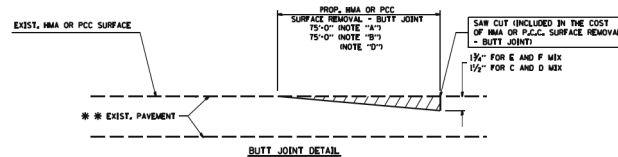
ALL PAVEMENT WITHIN COUNTY RIGHT OF WAY SHALL CONSIST OF 15" AGGREGATE SUB-BASE, 2" OF HMA BINDER, AND 2" HMA SURFACE COURSE



Revised 1/3/07



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

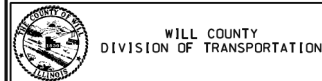
NOTES

- 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 50:0 PER 1" OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 30'-0" TEMP. RAMP IS INCLUDED IN THE COST OF THE HMA SURFACE REMOVAL - BUTT JOINT.
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 50:0 PER 1" RESURFACING (NOTE "A")
- 50:0 PER 1" RESURFACING (NOTE "B")

BASIS OF PAYMENT

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

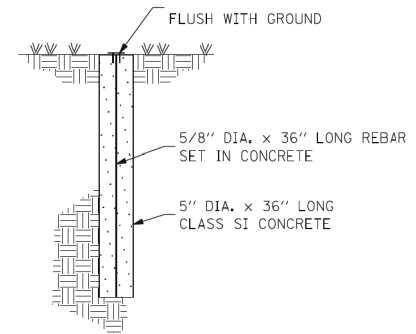
IC-00466



BUTT JOINT AND HMA TAPER DETAIL

DATE	REVISIONS
6/22/2015	STANDARD CREATED

WILL COUNTY DEPARTMENT OF HIGHWAYS  
MONUMENT STANDARD



NOTE: All caps shall be identified as "COUNTY OF WILL" with Surveyors Registration Number such as "PLS 1234".

JANUARY 2006

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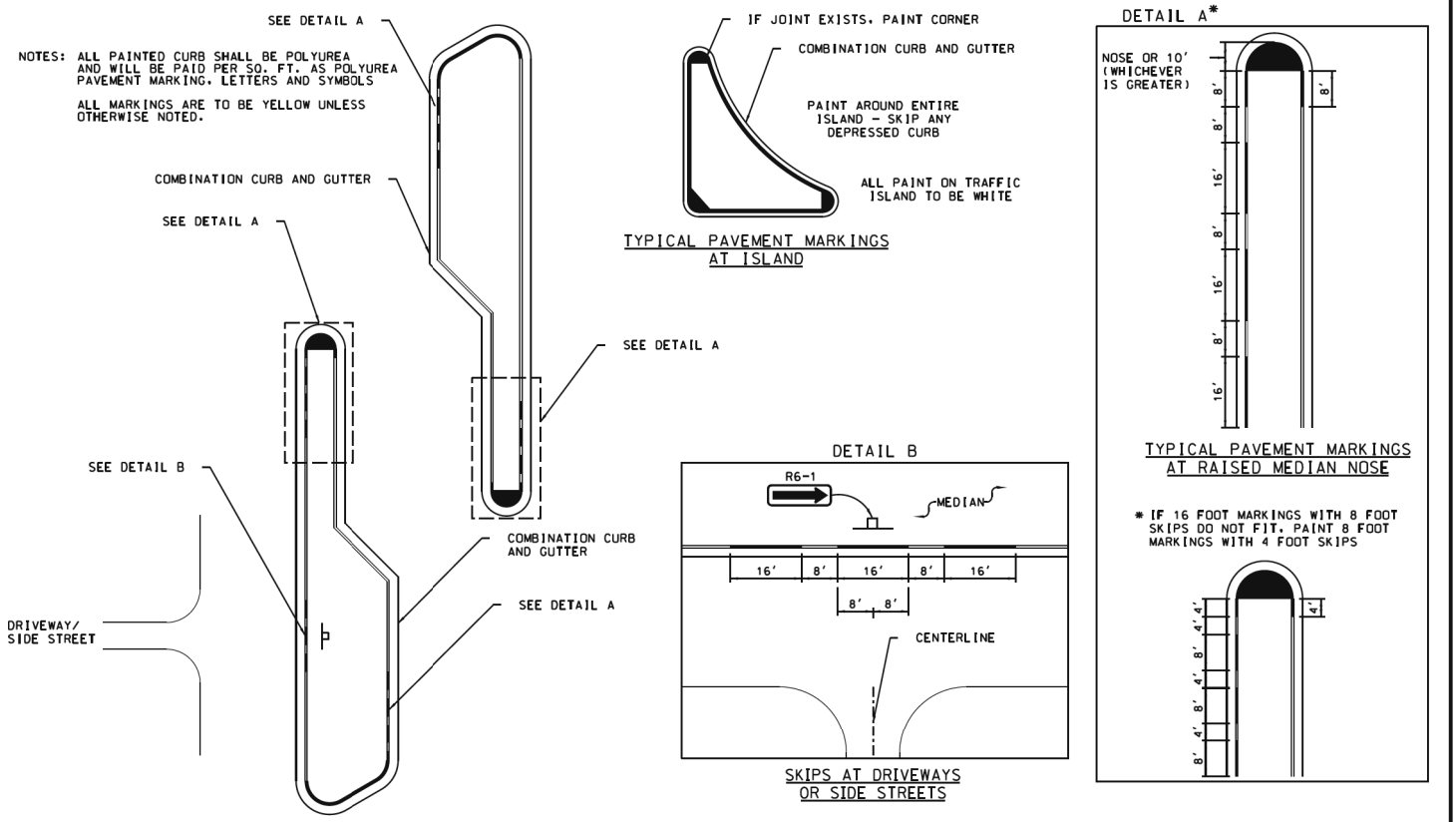
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	DATE - 3/3/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

80TH AVENUE  
WILL COUNTY DETAILS

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

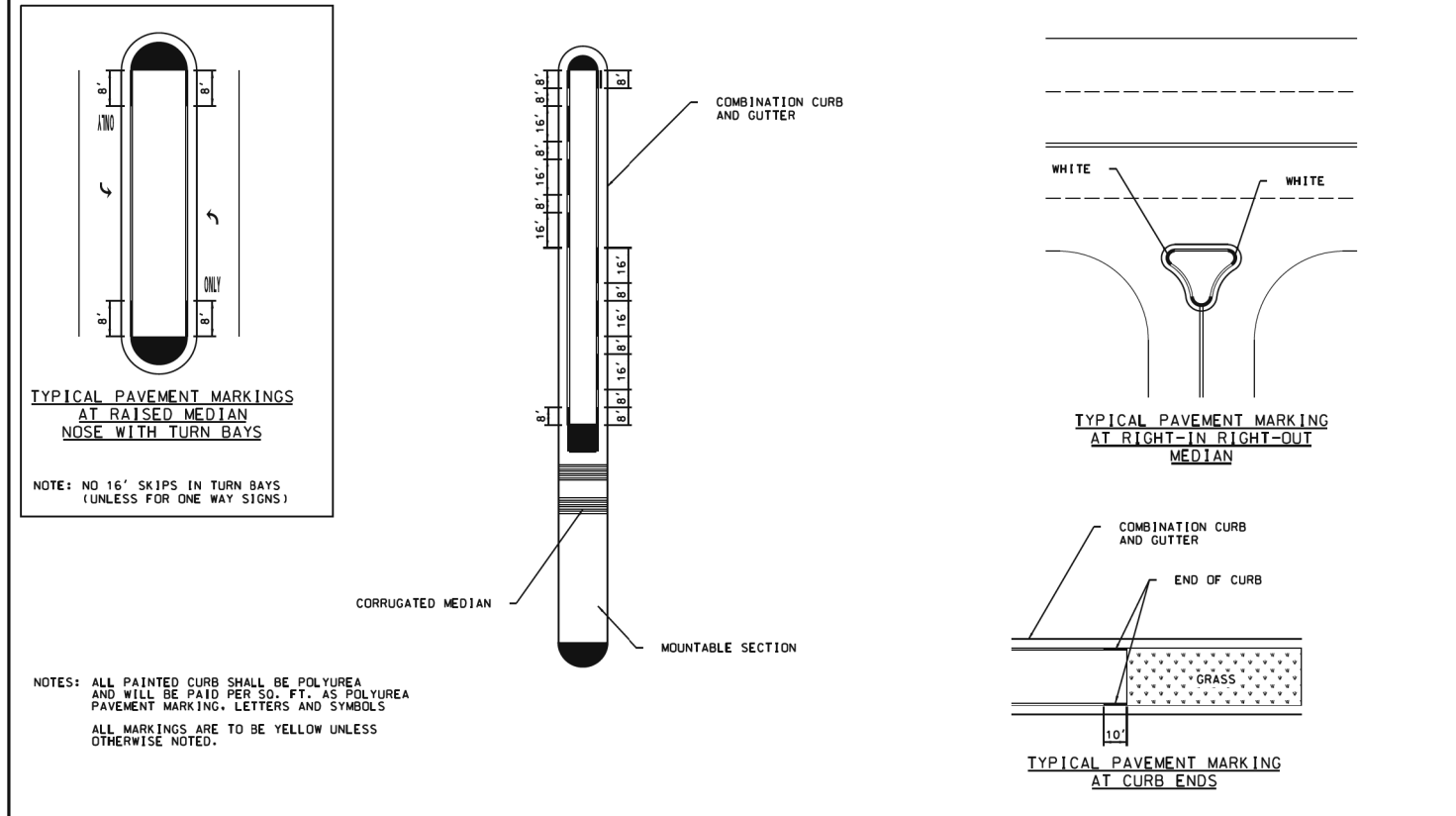
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	817
CONTRACT NO. 61G73				
ILLINOIS		FED. AID PROJECT		



SHEET 1 OF 2

WILL COUNTY DIVISION OF TRANSPORTATION	MEDIAN CURB AND ISLAND PAVEMENT MARKINGS	DATE	REVISIONS
		2/17/2015	ADDED CURB AND GUTTER
		12/5/2014	STANDARD CREATED

WC-00800



SHEET 2 OF 2

WILL COUNTY DIVISION OF TRANSPORTATION	MEDIAN CURB AND ISLAND PAVEMENT MARKINGS	DATE	REVISIONS
		2/17/2015	ADDED CURB AND GUTTER
		12/5/2014	STANDARD CREATED

WC-00800

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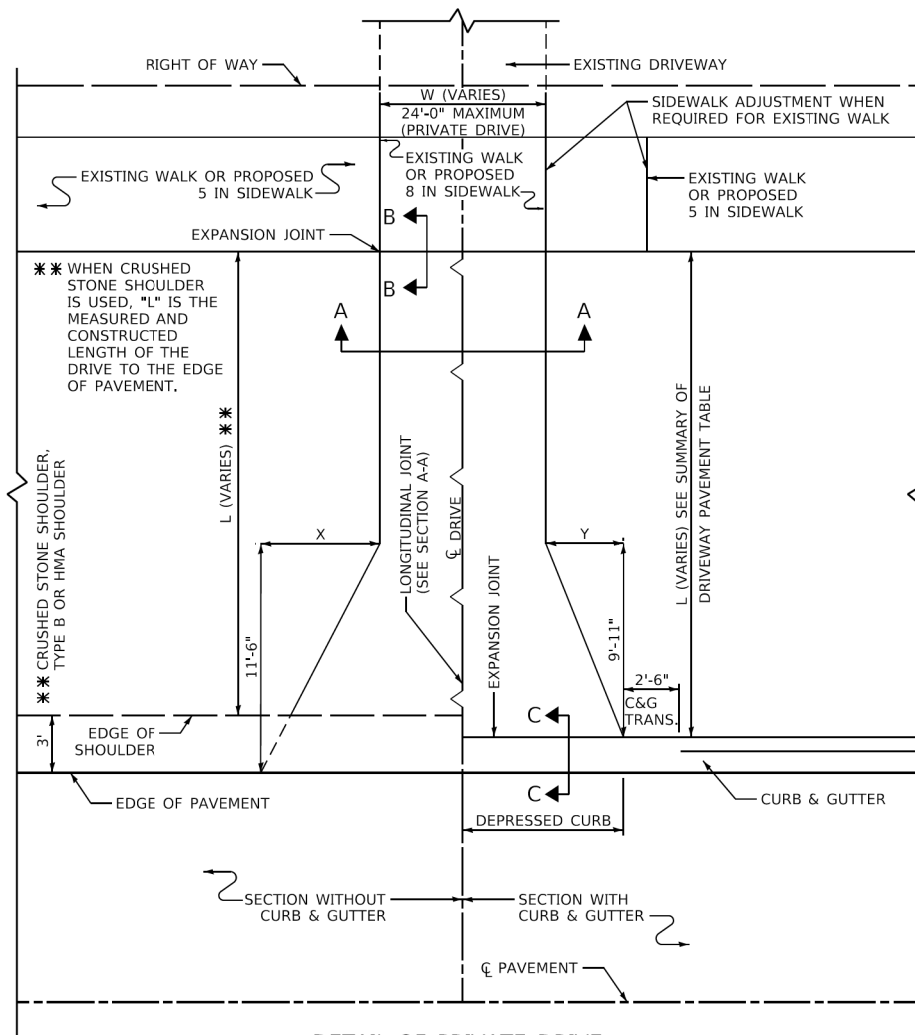
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

80TH AVENUE  
WILL COUNTY DETAILS

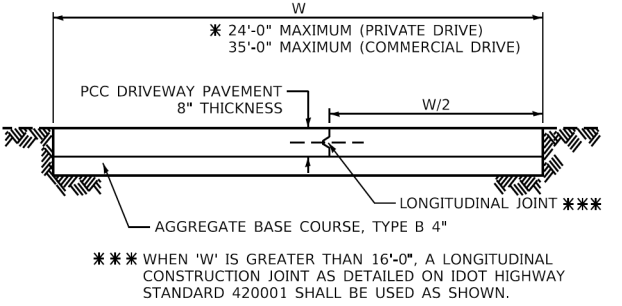
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61G73				
ILLINOIS FED. AID PROJECT				

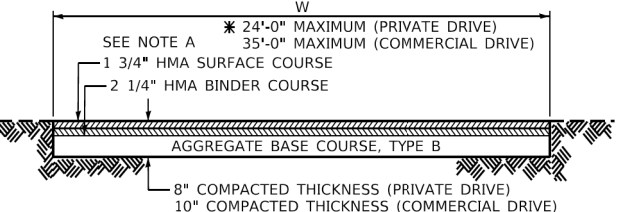


DETAIL OF PRIVATE DRIVE

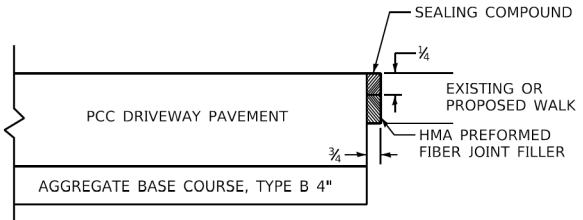
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SECTION A-A PCC DRIVEWAY

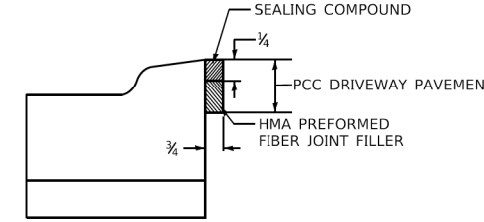


SECTION A-A HMA DRIVEWAY



SECTION B-B

THE EXPANSION JOINT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PORTLAND CEMENT CONCRETE SIDEWALK OR PER SQUARE YARD FOR PORTLAND CEMENT CONCRETE DRIVEWAY.



SECTION C-C

GUIDE FOR DRIVEWAY LENGTH

1. MEET EXISTING WALK (USE JOINT FOR PCC PAVEMENT SECTION B-B)
2. IF THERE IS NO EXISTING OR PROPOSED WALK, EXTEND TO RIGHT OF WAY LINE
3. IF THERE IS NO EXISTING WALK BUT A PROPOSED WALK IS REQUIRED, CONSTRUCT 8 INCH WALK FOR FULL DRIVEWAY WIDTH (SECTION B-B)
4. IF THERE IS A WALK ADJUSTMENT, CONSTRUCT 8" WALK FOR FULL DRIVEWAY WIDTH AND 5" WALK BEYOND.

QUANTITIES SHALL BE COMPUTED ON THE BASIS OF THE DRIVES EXTENDING TO SIDEWALK OR RIGHT OF WAY LINE AS SHOWN ON THE PLANS. HOWEVER, IT SHALL BE THE RESPONSIBILITY OF THE FIELD ENGINEER TO DETERMINE THE ACTUAL LIMITS OF EACH INSTANCE.

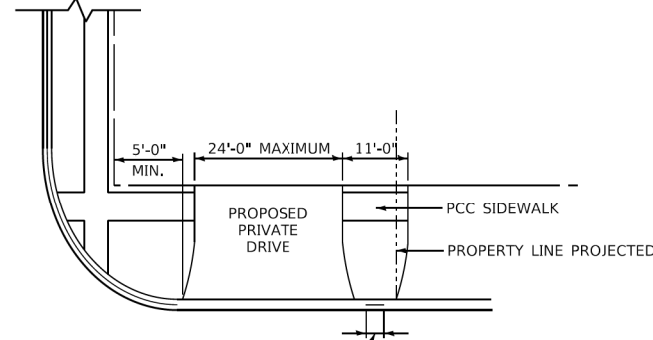
CHART

FOR DRIVEWAY WIDTH - W (FT)	X (FT)	Y (FT)
12	6.0	4.2
14 - 16	4.9	3.4
17 - 18	4.0	2.9
OVER 18	3.2	2.3

\* PRIVATE DRIVES: 12'-0" MINIMUM, 24'-0" MAXIMUM  
 COMMERCIAL DRIVES: 12'-0" MINIMUM, 24'-0" MAXIMUM FOR 1-WAY OPERATION  
 24'-0" MINIMUM, 35'-0" MAXIMUM FOR 2-WAY OPERATION

MAXIMUM DRIVEWAY SLOPE

PROPERTY	URBAN	RURAL	RURAL (PERMIT WORK ONLY)
COMMERCIAL	6%	6%	10%
NON-COMMERCIAL	8%	8%	12%



DESIRABLE DISTANCE OF FULL CURB HEIGHT BETWEEN ADJACENT DRIVES SHALL BE 6'-0". IT IS DESIRABLE THAT THE DRIVE RETURNS TERMINATE WITHIN THE PROPERTY LINE AS PROJECTED.

LIMITATIONS UPON PRIVATE DRIVES

AT STREET INTERSECTIONS  
 MAXIMUM WIDTH & MINIMUM DISTANCE BETWEEN DRIVES

~~NOTE A~~  
 FOR HMA DRIVEWAYS: AS AN ALTERNATE TO THE 1 3/4" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5, N70, AND THE 2 1/4" HOT-MIX ASPHALT CONCRETE BINDER COURSE, IL-19, N70 4" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5 N70 MAY BE USED. IN THE EVENT THE CONTRACTOR ELECTS TO USE THIS ALTERNATE, THE ADDITIONAL 2 1/4" OF HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5 N70 SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT BINDER COURSE, IL-19, N70.

GENERAL NOTE:  
 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

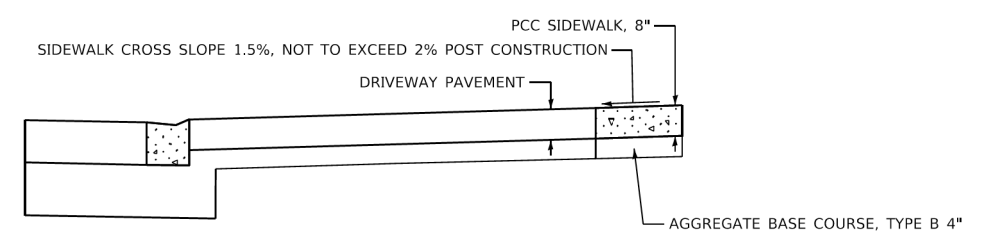
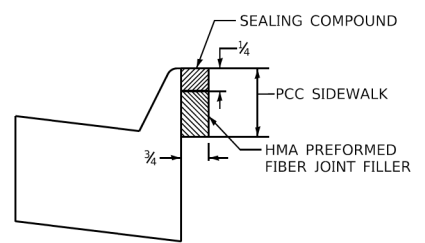
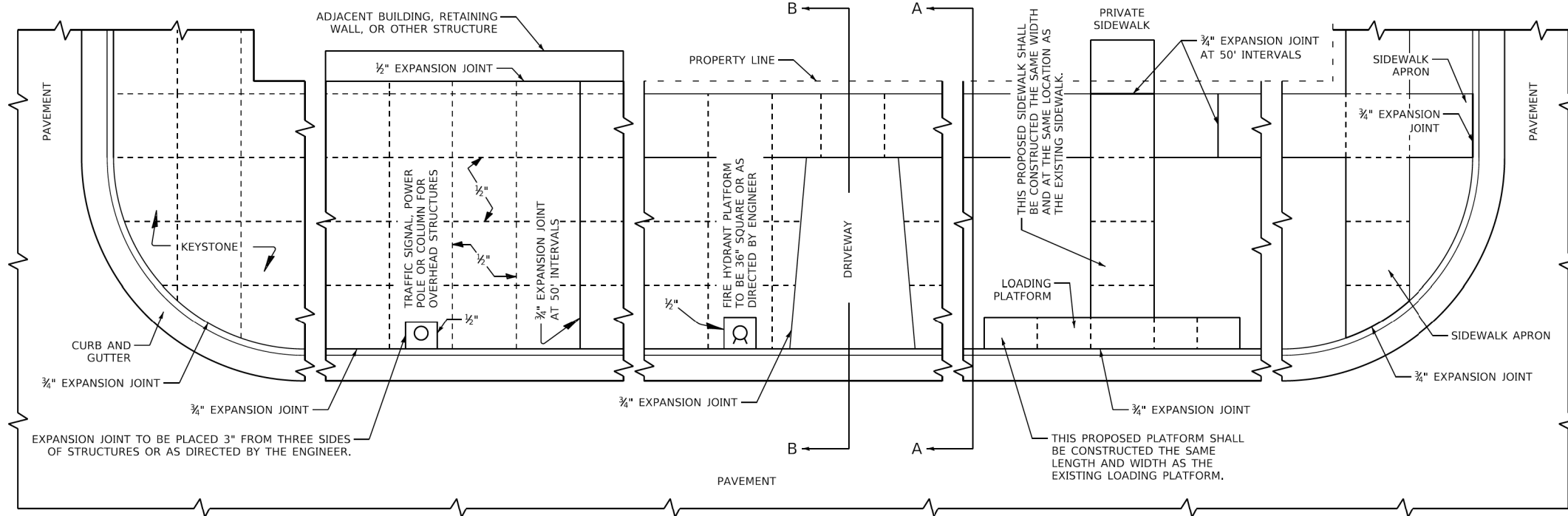
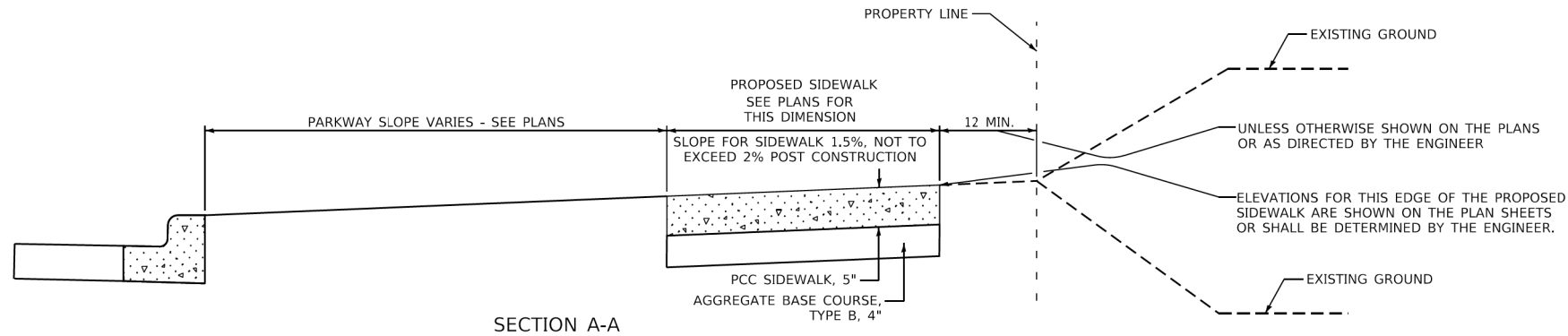
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MUNICIPALITY, IL FISCAL YEAR: XXXX			DRAWN: XXX	CHECKED: XXX			
NAME TOWNSHIP SECTION: XX-XXXX-XX-XX							

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DESIGNED - JPA	DRAWN - JPA	REVISED -
DESIGNED - JPA	CHECKED - DJO	REVISED -
DESIGNED - JPA	DATE - 3/3/2021	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		80TH AVENUE COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS DETAILS		F.A.U. RTE. 2755	SECTION 06-00122-16-FP	COUNTY WILL	TOTAL SHEETS 1113	SHEET NO. 819
SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 61G73		ILLINOIS FED. AID PROJECT		



**GENERAL NOTES:**  
 ALL EXPANSION JOINTS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 424.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PORTLAND CEMENT CONCRETE SIDEWALK OF THE THICKNESS SPECIFIED.  
 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

MUNICIPALITY, IL MUNICIPALITY, IL NAME TOWNSHIP	COUNTY HIGHWAY: XXX FISCAL YEAR: XXXX SECTION: XX-XXXX-XX-XX	 COUNTY OF COOK DEPARTMENT OF TRANSPORTATION AND HIGHWAYS	COMPUTED: xxx DRAWN: xxx CHECKED: xxx	REVISIONS GENERAL DATE 1/1/20	PORTLAND CEMENT CONCRETE SIDEWALK CONSTRUCTION DETAIL COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS STANDARD C-003	C-XXX NOT TO SCALE SHEET X
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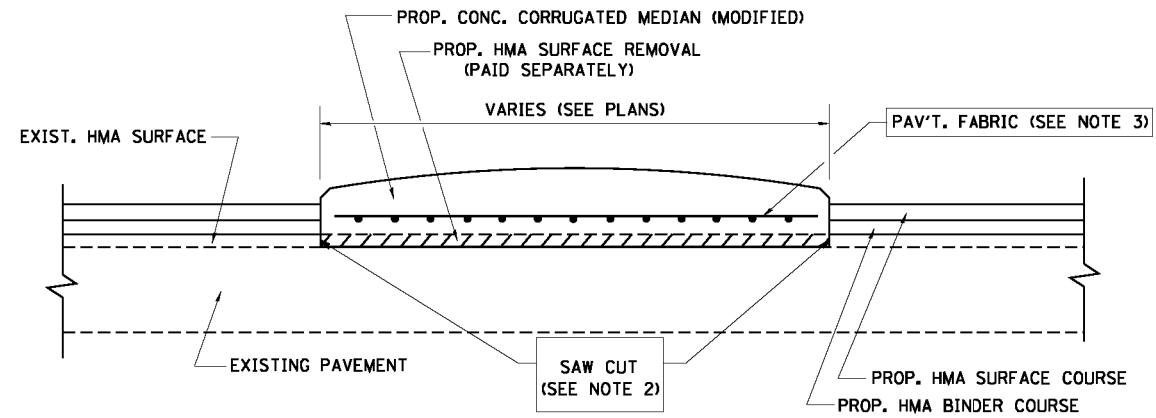
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE  
COOK COUNTY DEPARTMENT OF TRANSPORTATION  
AND HIGHWAYS DETAILS**

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

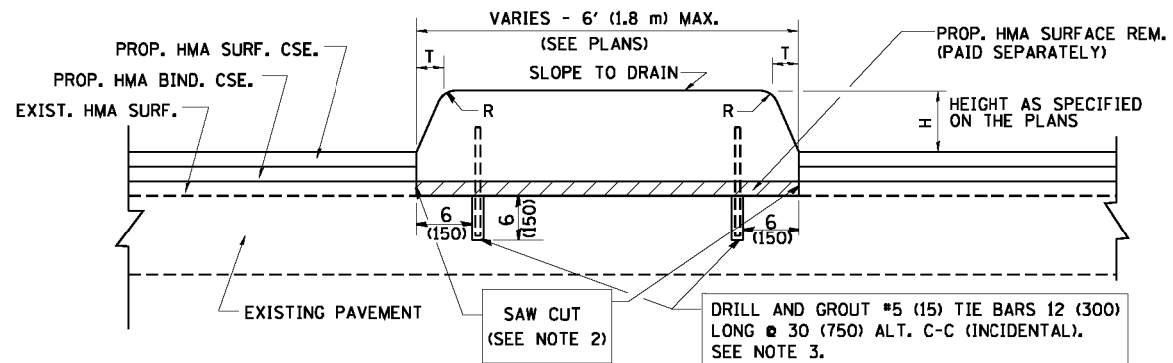
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	820
CONTRACT NO. 61G73				
ILLINOIS FED. AID PROJECT				



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

### DETAILS FOR CORRUGATED MEDIAN (MODIFIED)

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



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

### DETAILS FOR CONCRETE MEDIAN

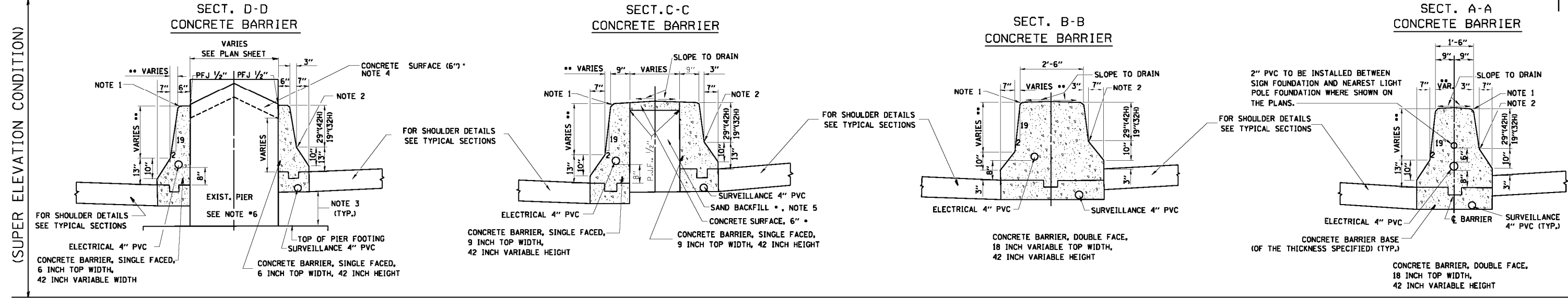
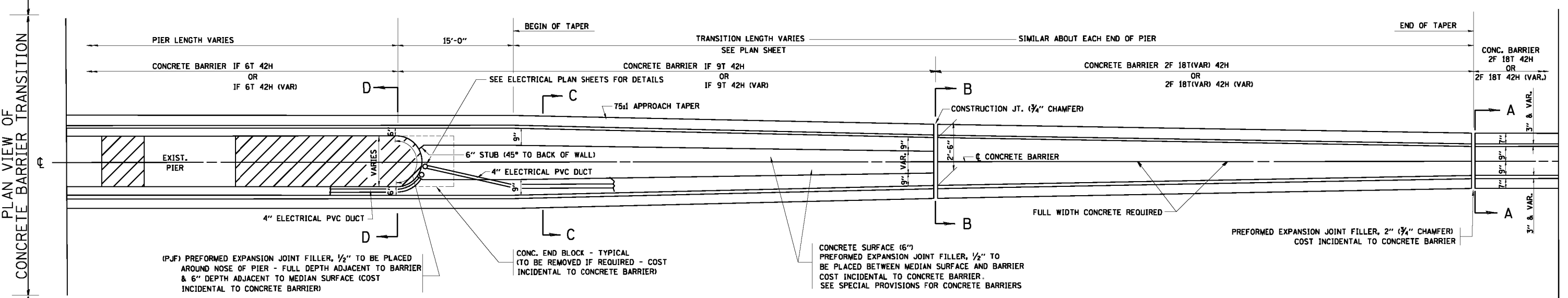
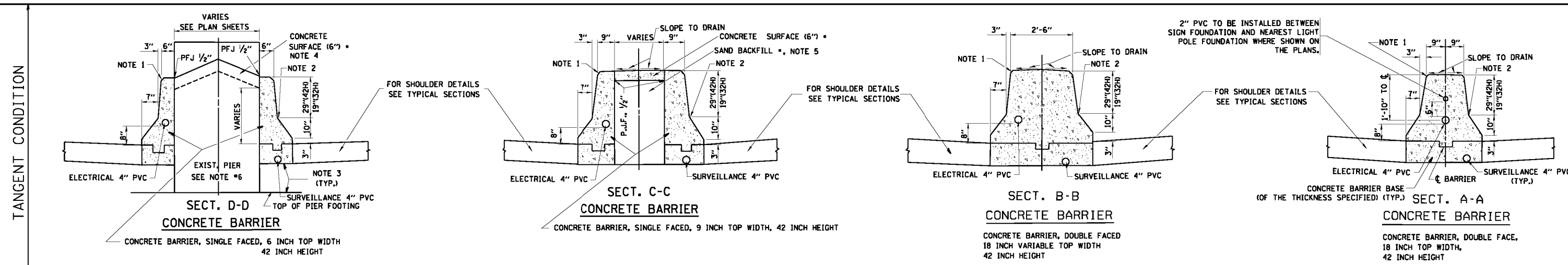
#### TYPE SB (DOWELLED)

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

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

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

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		DATE - 05-14-90	REVISED - R. BORO 01-01-07		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



**GENERAL NOTES** - FOR UNDERDRAIN DETAILS SEE TYPICAL SECTIONS

- PREFORMED JOINT FILLER SHALL BE INCIDENTAL TO THE CONCRETE BARRIER OF THE TYPE INVOLVED.
- FOR KEYWAY (F) DIMENSIONS, SEE TYPICAL SECTIONS
- CONCRETE BARRIER BASE PAY ITEM IS TO BE INCLUDED IF THE BARRIER IS CONSTRUCTED MONOLITHIC OR JOINTED TO BASE. IF JOINTED CONTRACTORS WILL HAVE THE OPTION OF USING A KEYWAY OR TIE BARS AT O.C.

**NOTE 1** - 3/4" CHAMFER OR 1" RADIUS (OPTIONAL)

**NOTE 2** - 10" RADIUS (OPTIONAL)

**NOTE 3** - EXTEND BOTTOM OF BARRIER TO FOOTING ONLY WHEN DEPTH IS 6" OR LESS, OTHERWISE MAINTAIN SAME DEPTH AS BOTTOM OF SHOULDER

**NOTE 4** - PIER FILLER MATERIAL TO BE CONCRETE IF MINIMUM 6" THICKNESS WILL BE MAINTAINED. IF 6" THICKNESS CANNOT BE MAINTAINED USE ASPHALT FILLER MATERIAL AS DIRECTED BY THE ENGINEER.

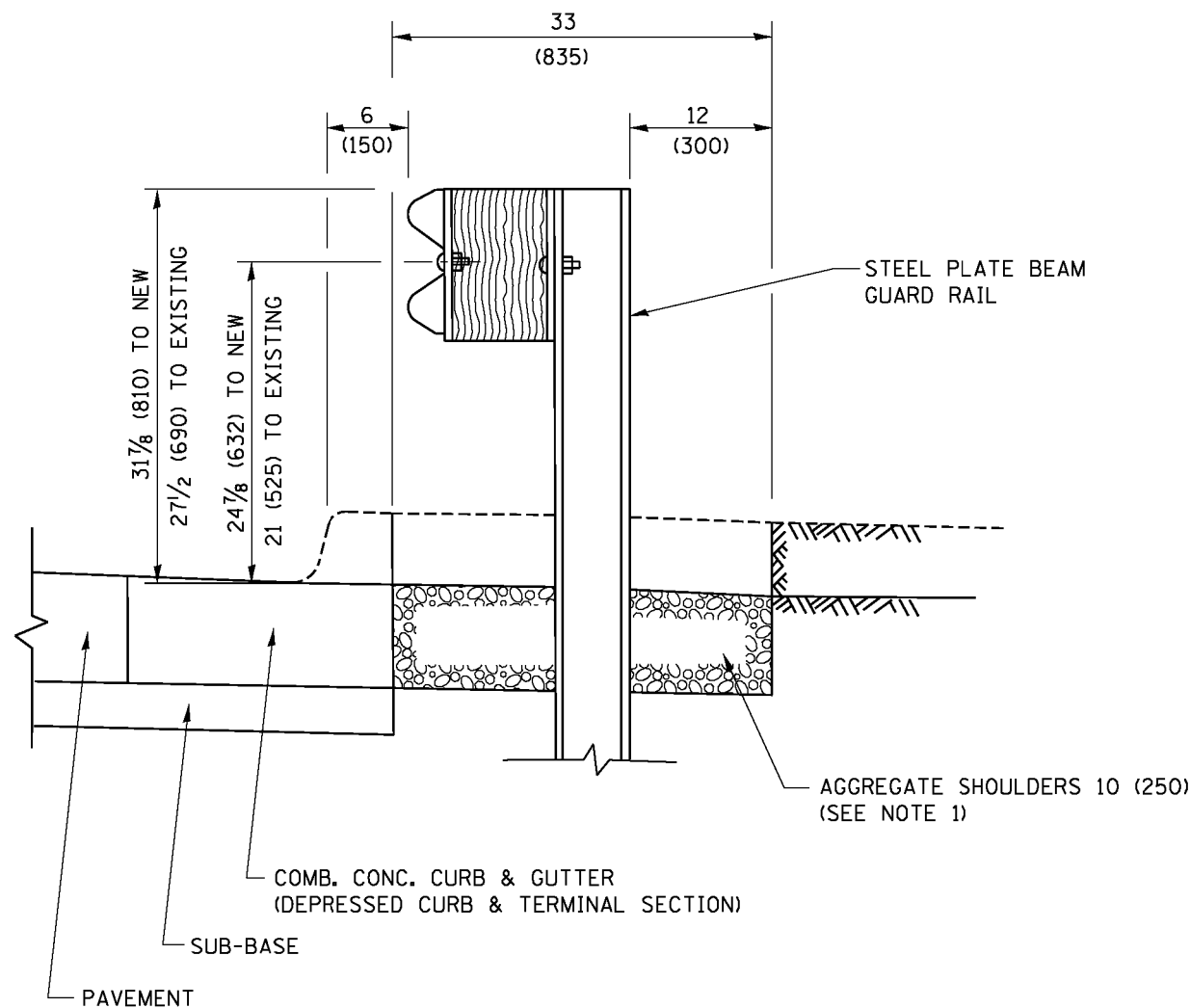
**NOTE 5** - SAND BACKFILL AND CONCRETE SURFACE WILL BE REQUIRED. FILLING WITH CONCRETE WILL NOT BE ALLOWED.

**NOTE 6** - IF PIER IS NEW CONSTRUCTION BARRIER WALL MAY BE MONOLITHIC

\*\* MAINTAIN SLOPE OF FACE AS SHOWN ON DETAIL. HEIGHT AND WIDTH OF BARRIER INCREASE WHERE A DIFFERENCE IN MEDIAN EDGE-OF-PAVEMENT GRADE ELEVATION EXISTS.

- COST OF SAND BACKFILL, CONCRETE SURFACE (6"), AND PIER FILLER MATERIAL WILL NOT BE INCIDENTAL.

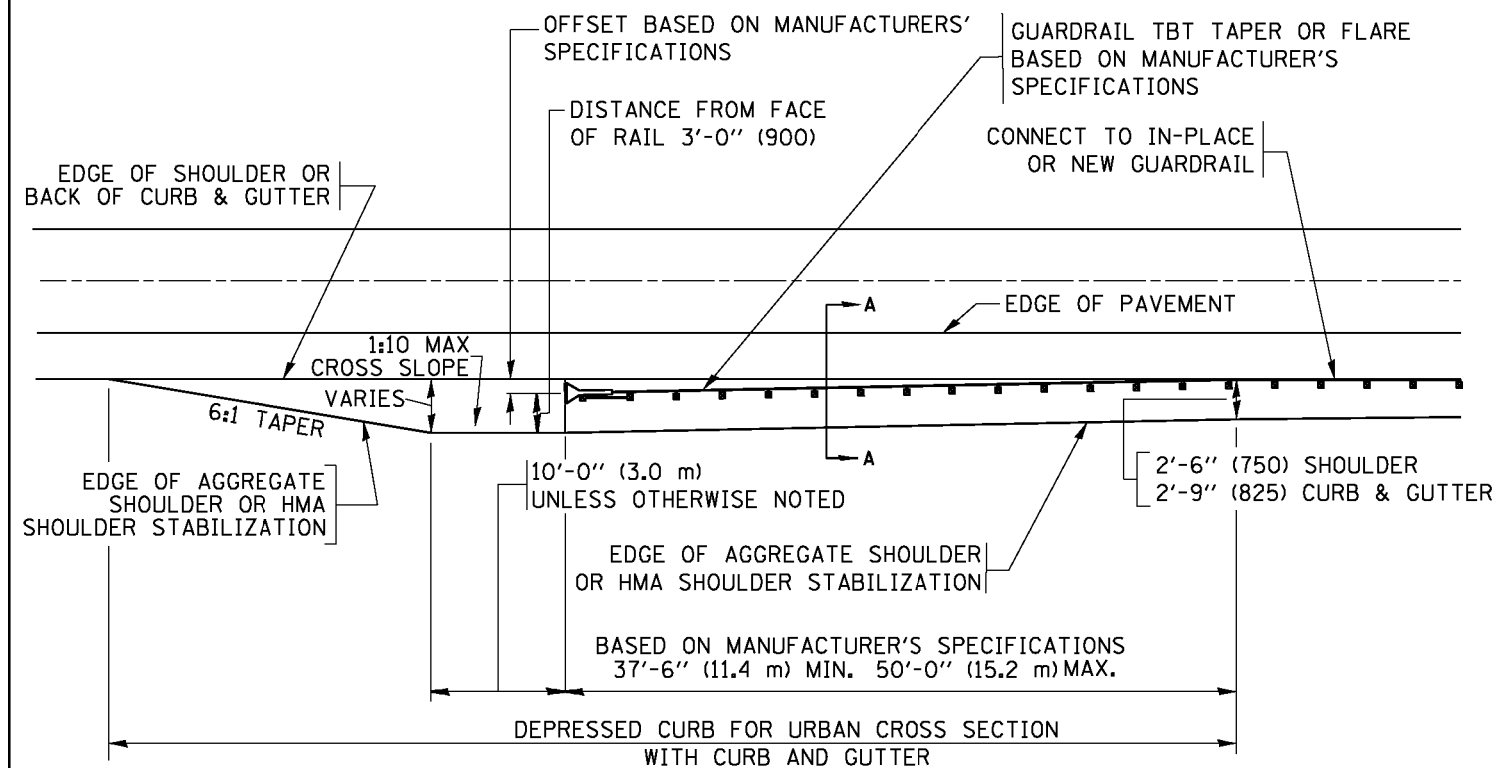
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		DATE - 09-09-88	REVISOR -								



SECTION A-A

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

**DETAILS FOR STEEL PLATE BEAM  
GUARD RAIL ADJACENT TO CURB AND GUTTER  
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



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

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

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

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

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

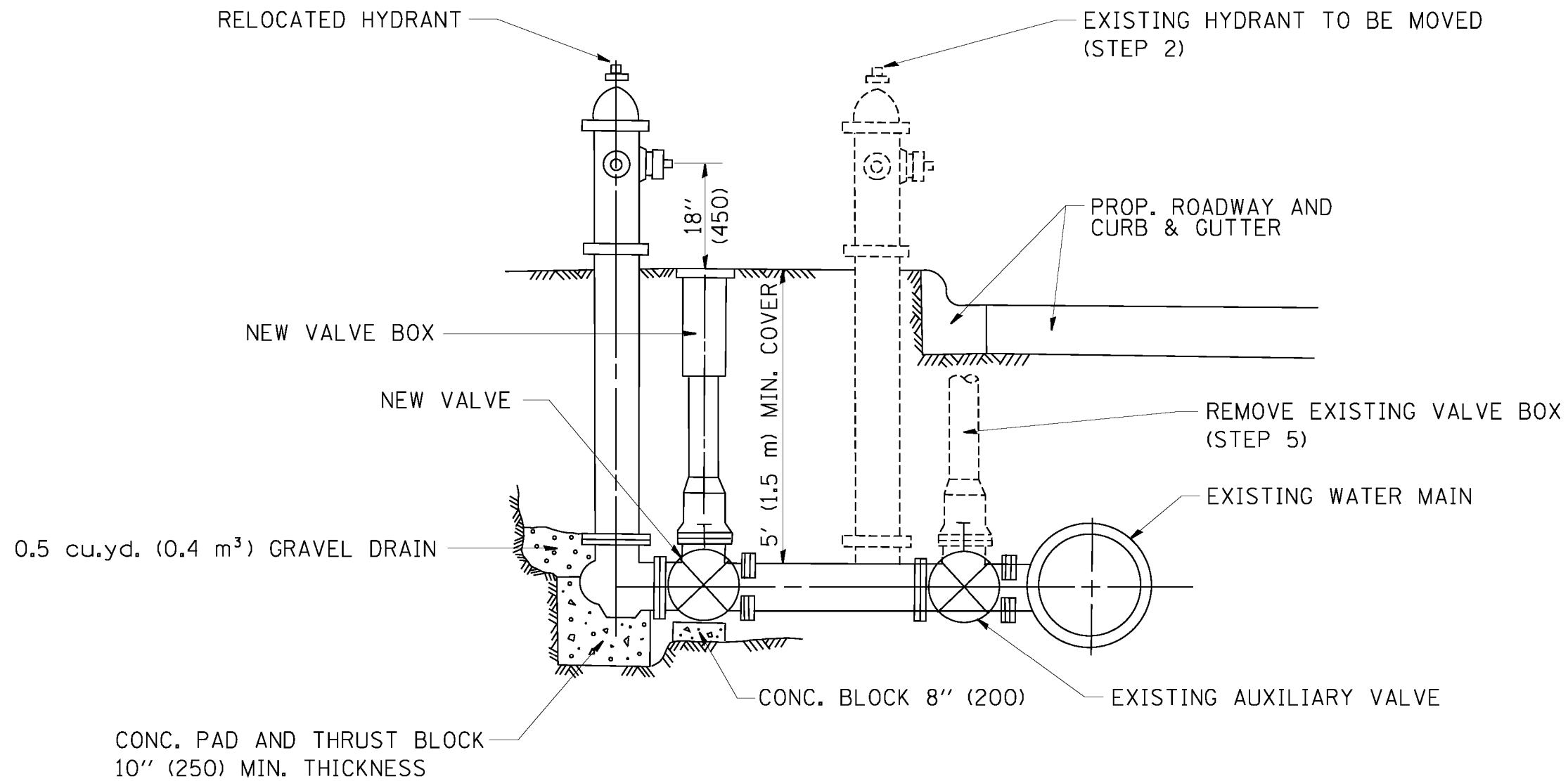
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	823
<b>BD600-10 (BD 34)</b>		<b>CONTRACT NO. 61G73</b>		
ILLINOIS FED. AID PROJECT				



SEQUENCE OF CONSTRUCTION:

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

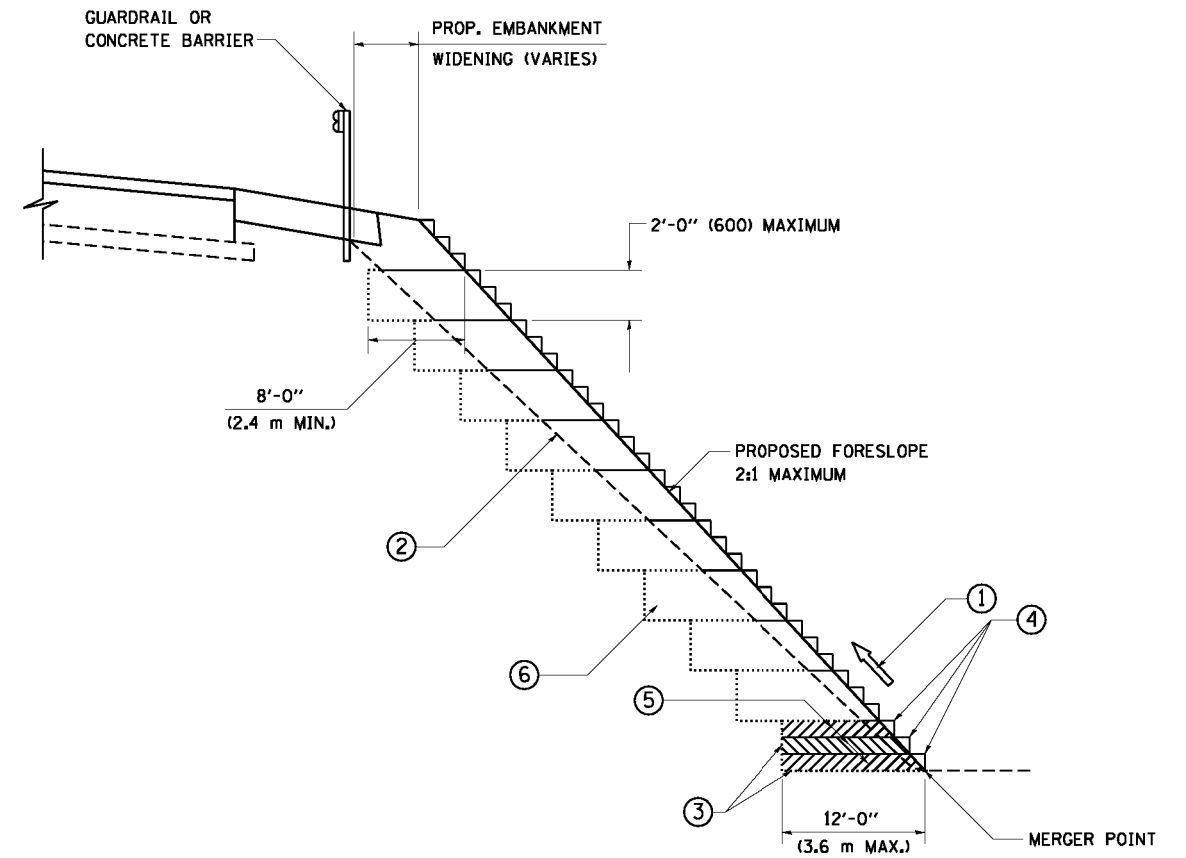
ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

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**TYPICAL BENCHING DETAIL  
FOR EMBANKMENT**

**NOTES:**

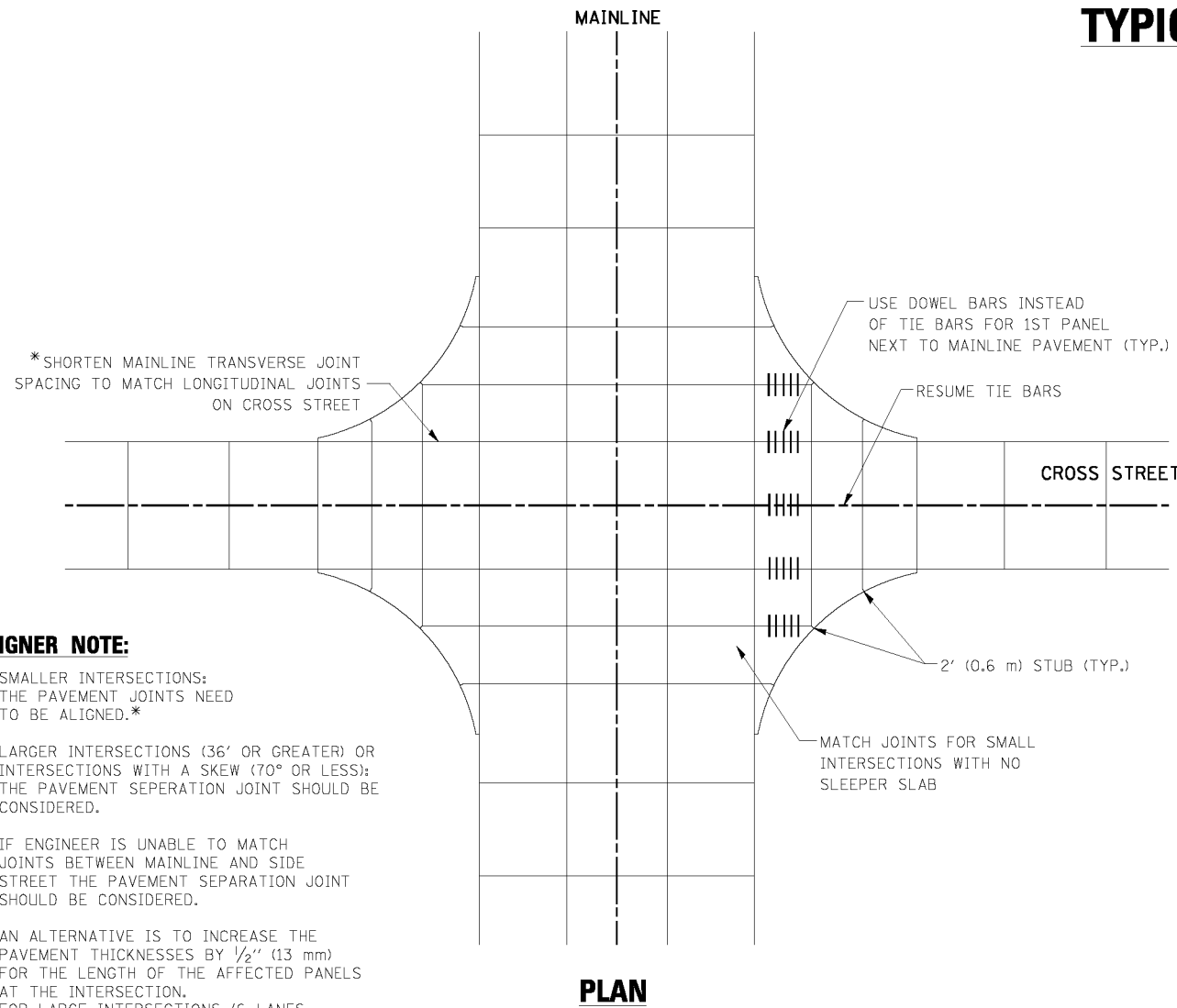
- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL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

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

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		DATE - 06-16-04	REVISED -									FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

# TYPICAL APPLICATION

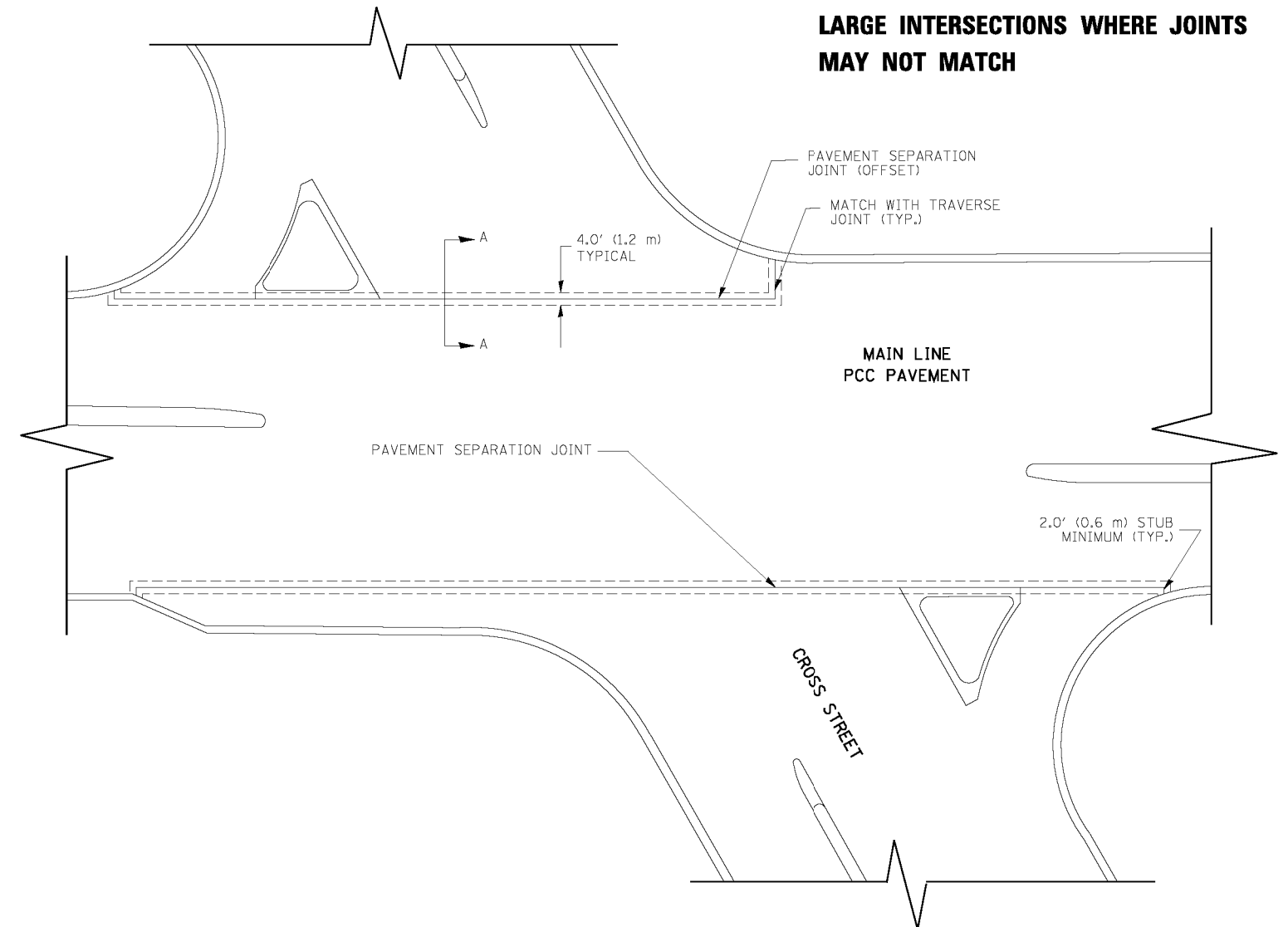
**THE USE OF CROSS STREET PAVEMENT SEPARATION JOINTS FOR SKEWED OR LARGE INTERSECTIONS WHERE JOINTS MAY NOT MATCH**



**PLAN**

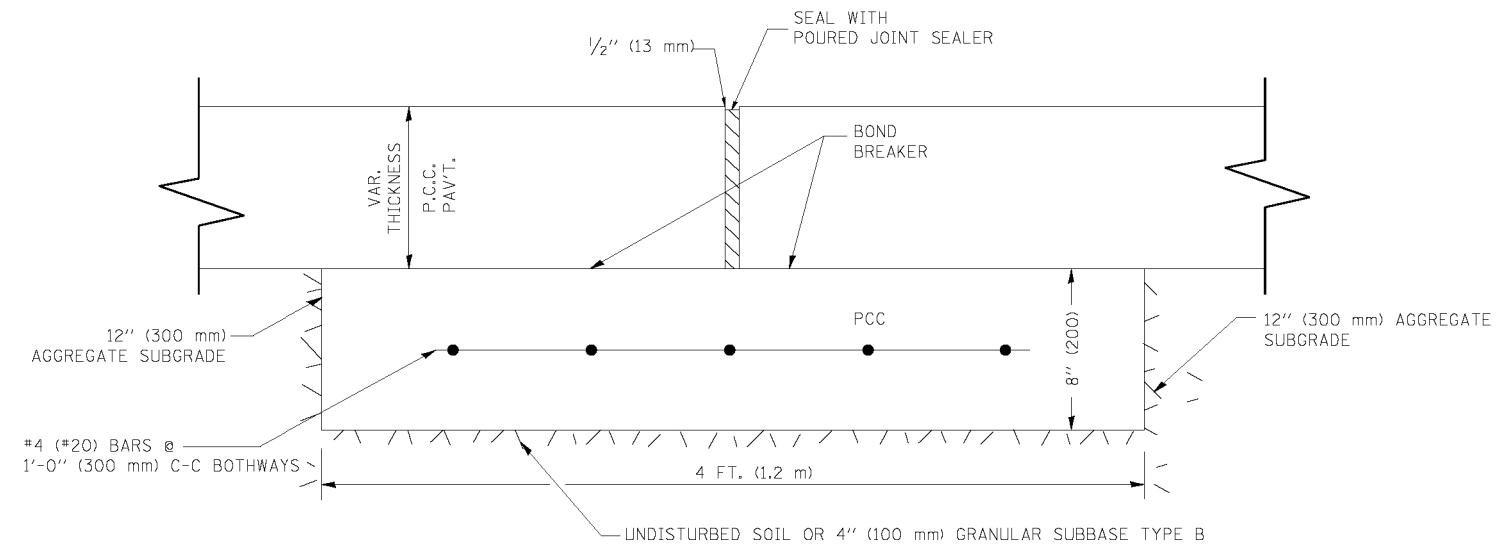
**DESIGNER NOTE:**

1. SMALLER INTERSECTIONS: THE PAVEMENT JOINTS NEED TO BE ALIGNED.\*
2. LARGER INTERSECTIONS (36' OR GREATER) OR INTERSECTIONS WITH A SKEW (70° OR LESS); THE PAVEMENT SEPERATION JOINT SHOULD BE CONSIDERED.
3. IF ENGINEER IS UNABLE TO MATCH JOINTS BETWEEN MAINLINE AND SIDE STREET THE PAVEMENT SEPARATION JOINT SHOULD BE CONSIDERED.
4. AN ALTERNATIVE IS TO INCREASE THE PAVEMENT THICKNESSES BY 1/2" (13 mm) FOR THE LENGTH OF THE AFFECTED PANELS AT THE INTERSECTION. FOR LARGE INTERSECTIONS (6 LANES OR MORE) WHERE JOINTS CAN BE MATCHED, USE #8 (25) DOWEL BARS INSTEAD OF #8 (25) TIE BARS AT EDGE OF MAINLINE PAVEMENT WHEN NO PAVEMENT SEPARATION JOINTS USED.



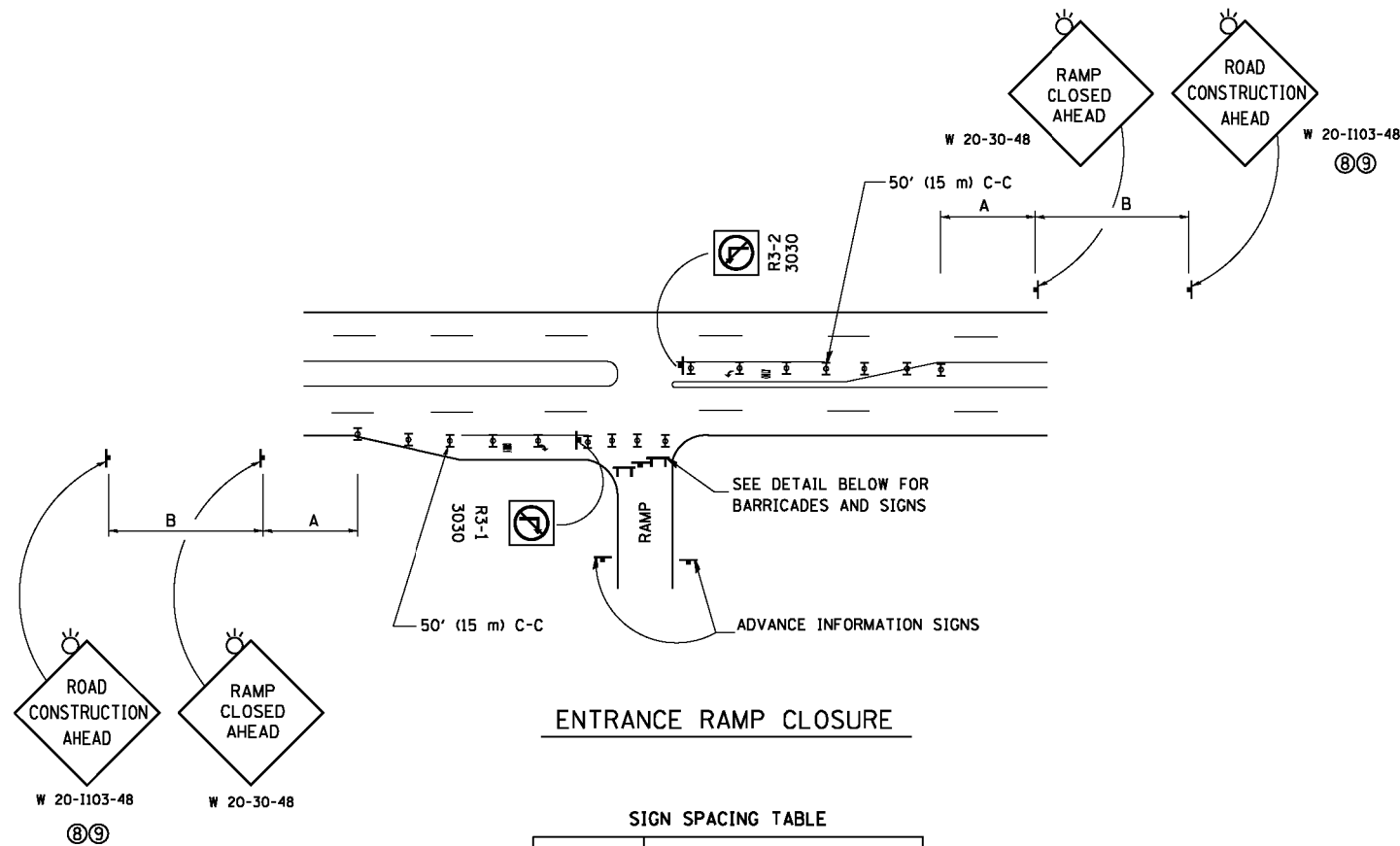
**NOTE:**

1. JOINT FILLER SHALL CONSIST OF A SHEET OF 1/2" (13 mm) BITUMINOUS PREFORMED FIBER JOINT FILLER CONFORMING TO ARTICLE 1051.03 OF THE STANDARD SPECIFICATIONS.
2. THE JOINT SHALL BE SEALED WITH A HOT POUR JOINT SEALER CONFORMING TO ARTICLE 1050.02 OF THE STANDARD SPECIFICATIONS.
3. A SINGLE LAYER OF FELT ROOFING PAPER SHALL SERVE AS A BOND BREAKER.
4. JOINT SHALL CONTINUE THROUGH COMBINATION CURB & GUTTER OR PCC SHOULDER.
5. PAVEMENT SEPARATION JOINT IS TO BE PAID FOR AS "SLEEPER SLAB" AND IS TO BE MEASURED IN PLACE BY THE LINEAL FOOT.
6. BOND BREAKER AND 1/2" (13 mm) JOINT AND FILLER SHALL BE INCIDENTAL TO THE PAY ITEM "SLEEPER SLAB".



**PROPOSED SECTION A-A**

FILE NAME = bd52.dgn	USER NAME = lgyee	DESIGNED - DRAWN -	REVISED - CADD 06-18-10 REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAIL OF PAVEMENT SEPARATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS</b>			F.A.U RTE. 2755	SECTION 06-00122-16-FP	COUNTY WILL	TOTAL SHEETS 1113	SHEET NO. 826
PLOT SCALE = 49.9999' / IN. PLOT DATE = 2/25/2011	CHECKED - DATE -	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	<b>BD52</b>		<b>CONTRACT NO. 61G73</b>		ILLINOIS FED. AID PROJECT		

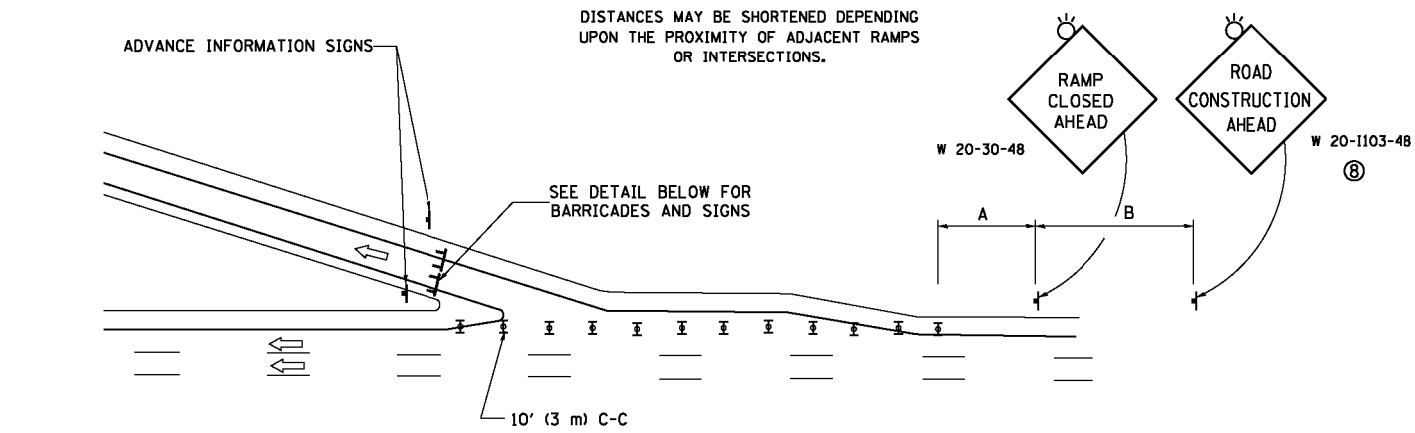


**ENTRANCE RAMP CLOSURE**

**SIGN SPACING TABLE**

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

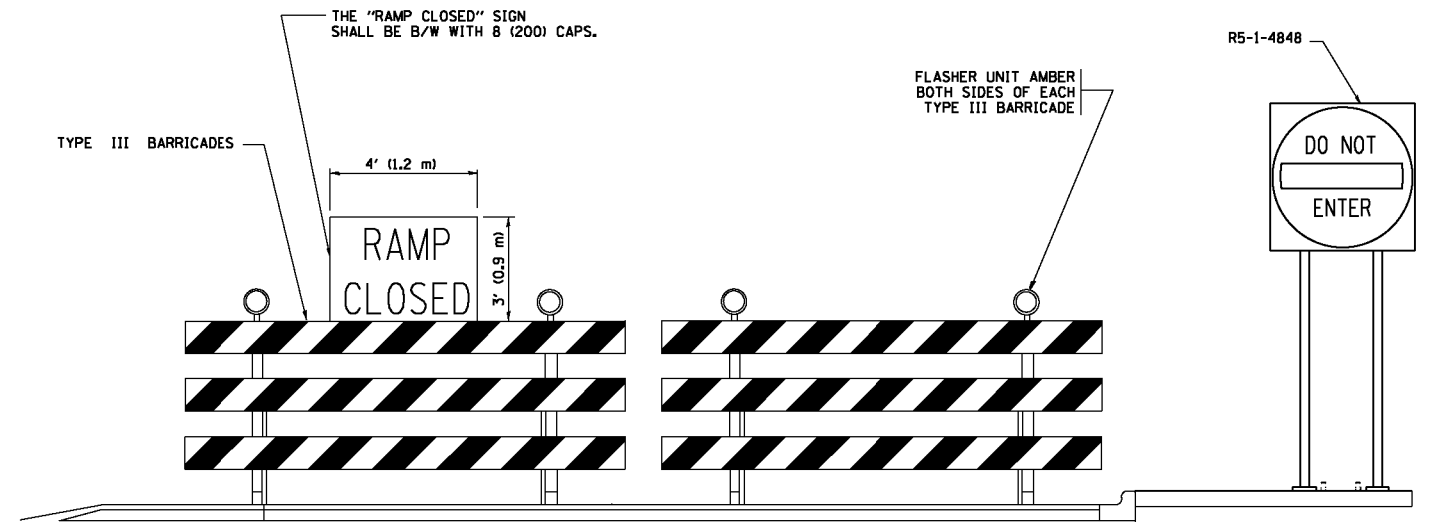
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



**EXIT RAMP CLOSURE**

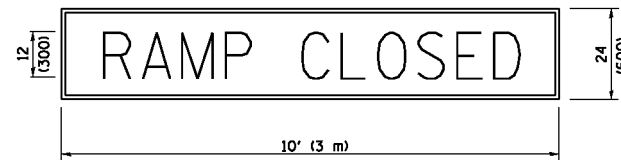
**SYMBOLS**

- ▬ TYPE II BARRICADE OR DRUM
- ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



**DETAIL FOR REQUIRED BARRICADES & SIGNS**

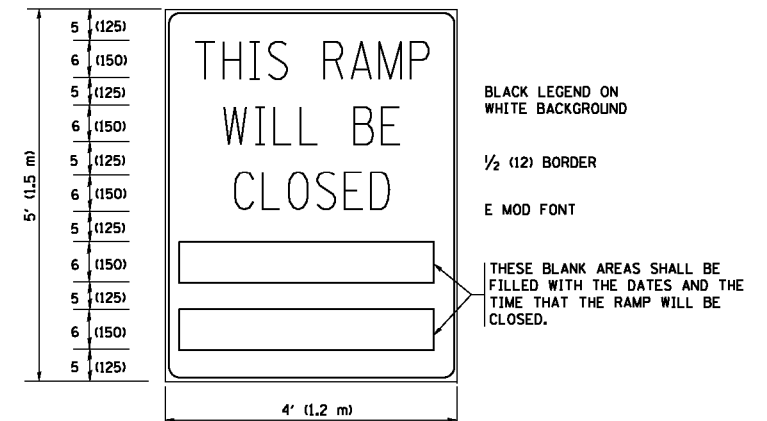
**RAMP CLOSURE ADVANCE WARNING SIGN**



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY  
E MOD FONT  
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

**RAMP CLOSURE ADVANCE INFORMATION SIGN**



BLACK LEGEND ON WHITE BACKGROUND

1/2 (12) BORDER

E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

**GENERAL NOTES:**

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

FILE NAME =	USER NAME = footemj	DESIGNED - D.W.S.	REVISED - S.P.B. 01-07
pw\l\084EBID\INTEG\illinois.gov\PIWID\Documents\DOT Offices\District 1\Projects\Dist 1\084EBID\CADData\CAData\heeta\to08B.dgn		CHECKED -	REVISED - S.P.B. 12-09
Default	PLOT SCALE = 50.000' / in.	DATE - 02-83	REVISED - M.D. 06-13
	PLOT DATE = 11/27/2017		REVISED - M.D. 01-18

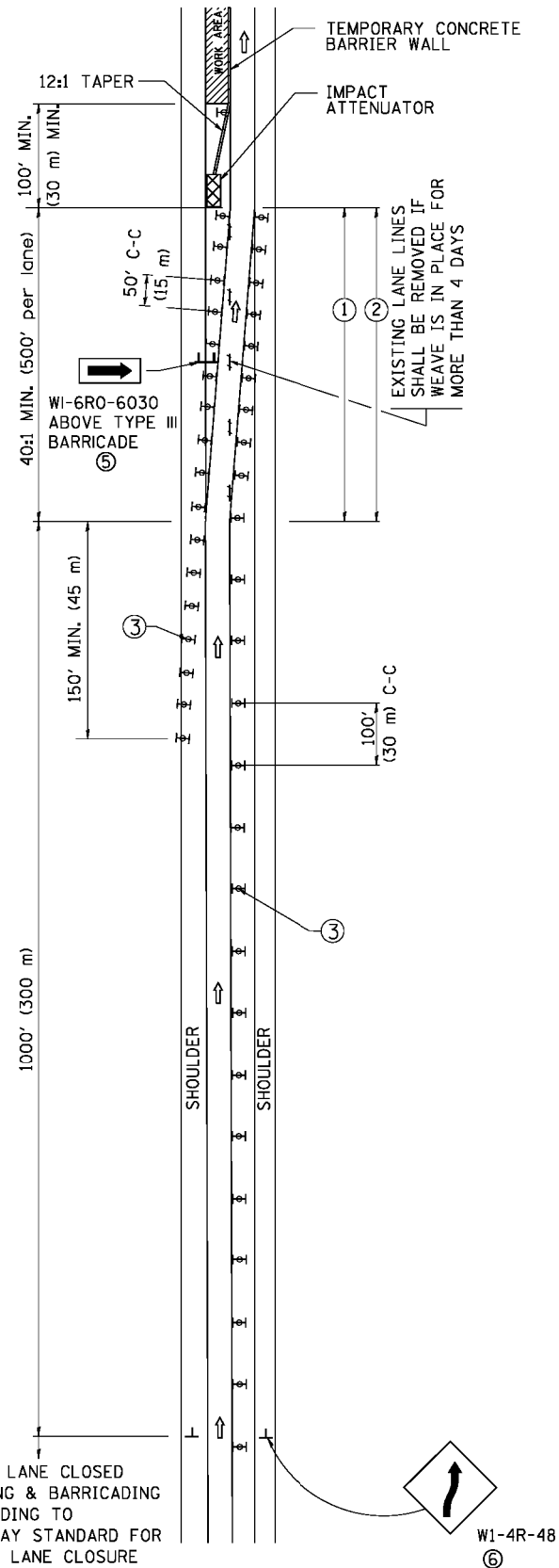
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP  
CLOSURE DETAILS**

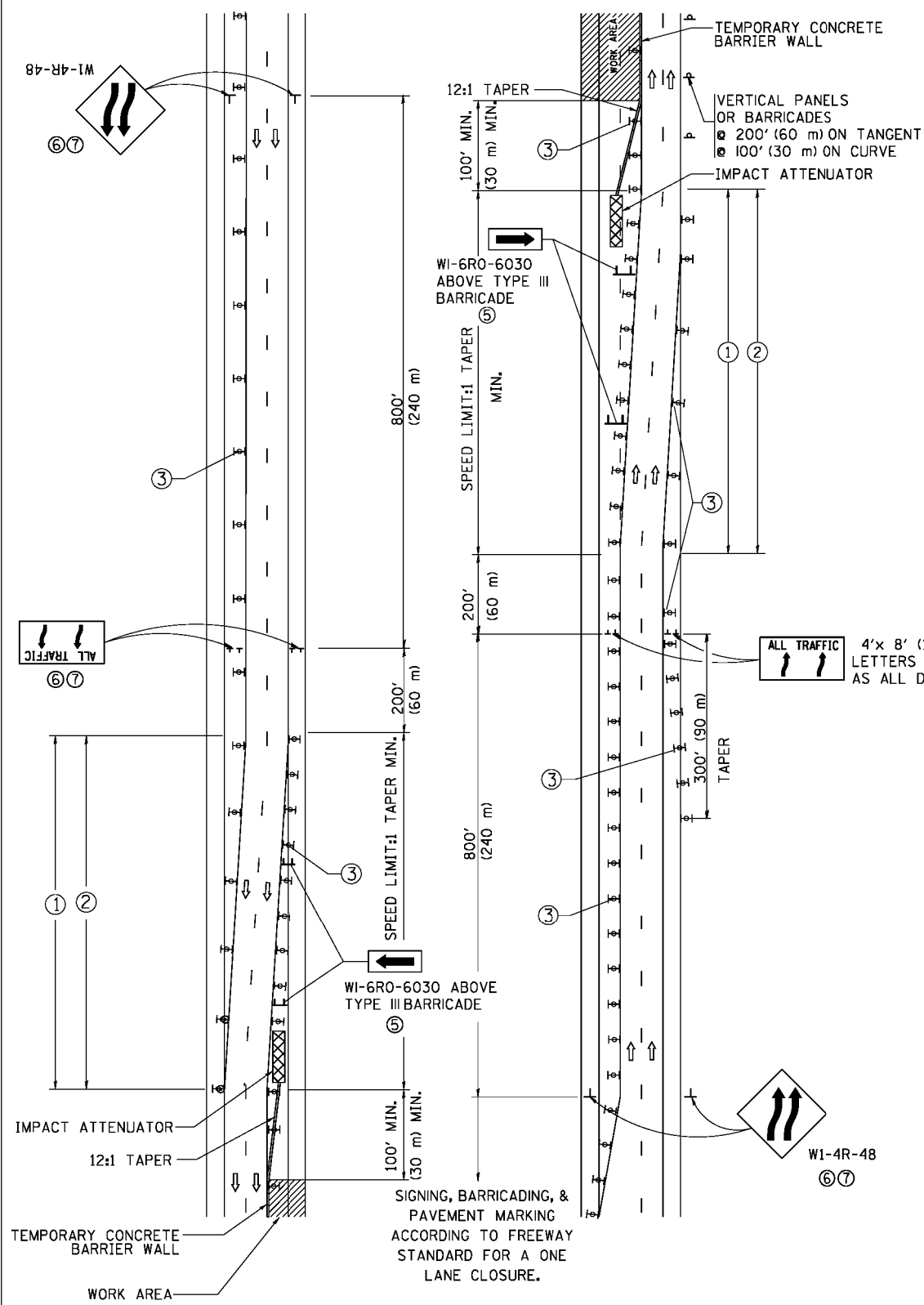
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	827
TC-08		CONTRACT NO. 61G73		
ILLINOIS FED. AID PROJECT				

# SINGLE LANE WEAVE



# MULTI-LANE WEAVE



### GENERAL NOTES

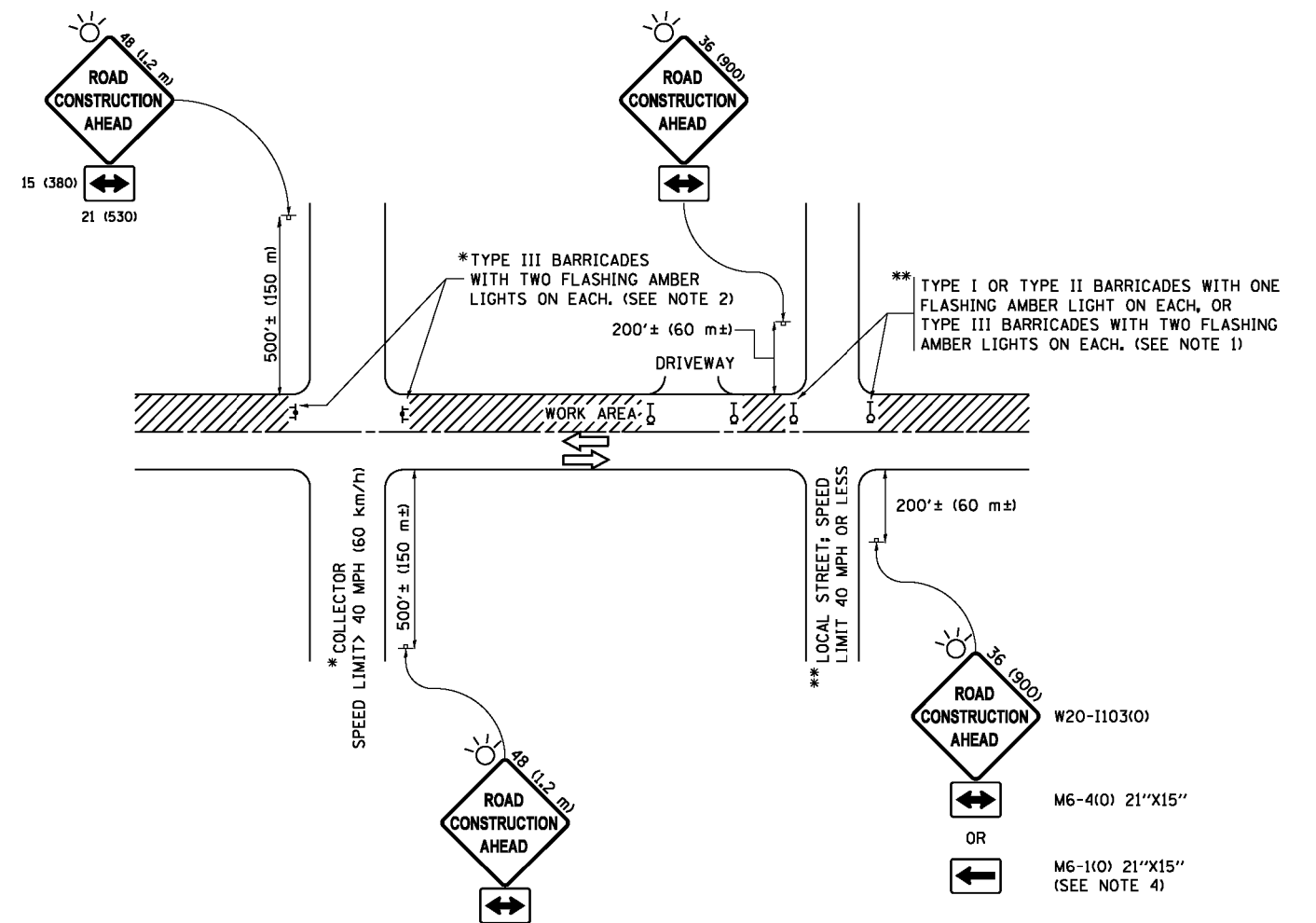
- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

### SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W1-4R-48 (6)
- W24-1-48 (7)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = faoemj	DESIGNED - DWS	REVISED - JAF 02-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE &amp; MULTI-LANE WEAVE</b>	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\faoemj\0108315\td89.dgn	DRAWN -	REVISED - SPB 01-07	2755			06-00122-16-FP	WILL	1113	828	
PLOT SCALE = 5/8" = 1' in.	CHECKED -	REVISED - SPB 12-09	<b>TC-09</b>			<b>CONTRACT NO. 61G73</b>				
PLOT DATE = 7/1/2013	DATE - 02-87	REVISED - MD 06-13	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. 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.
4. 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).
5. 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.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. 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.

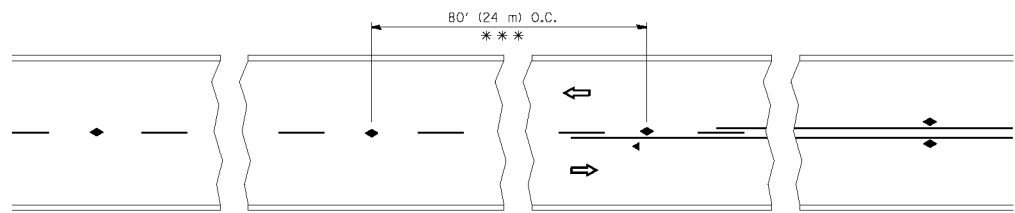
FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
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Default	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

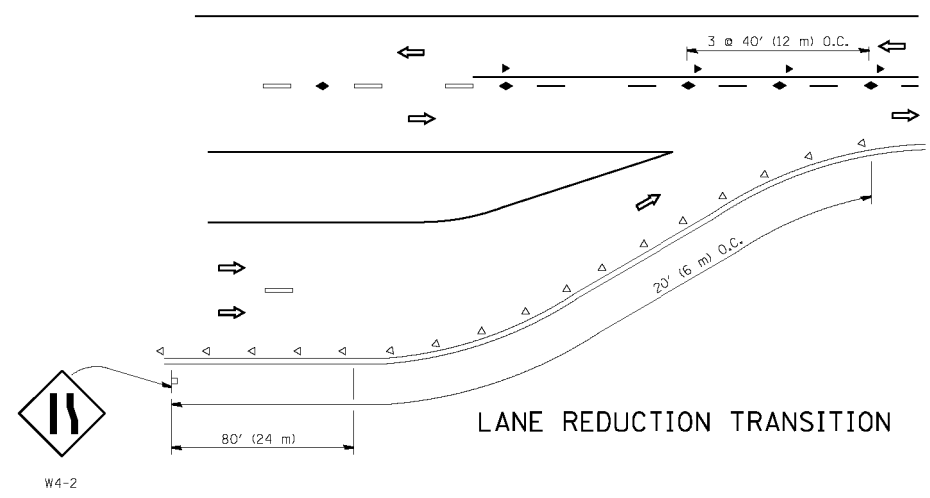
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	829
<b>TC-10</b>		<b>CONTRACT NO. 61G73</b>		
ILLINOIS FED. AID PROJECT				

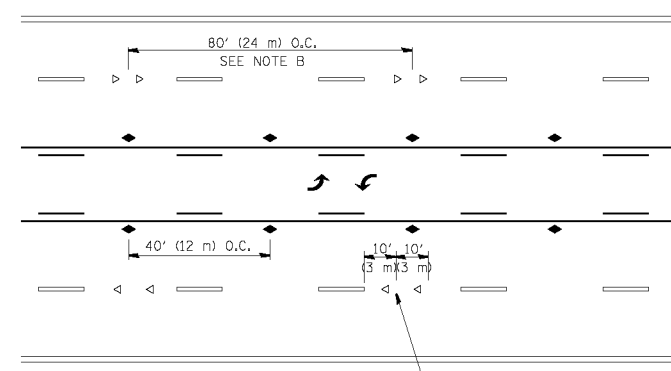


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

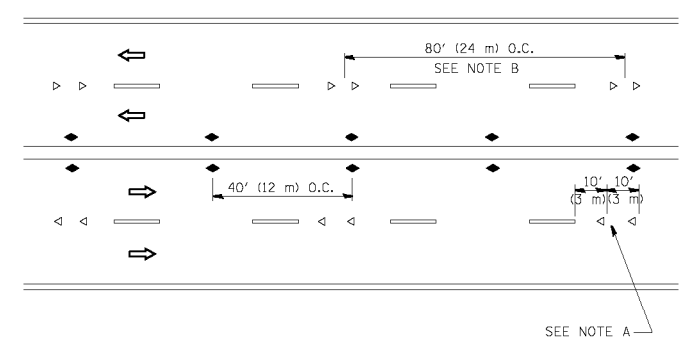
TWO-LANE/TWO-WAY



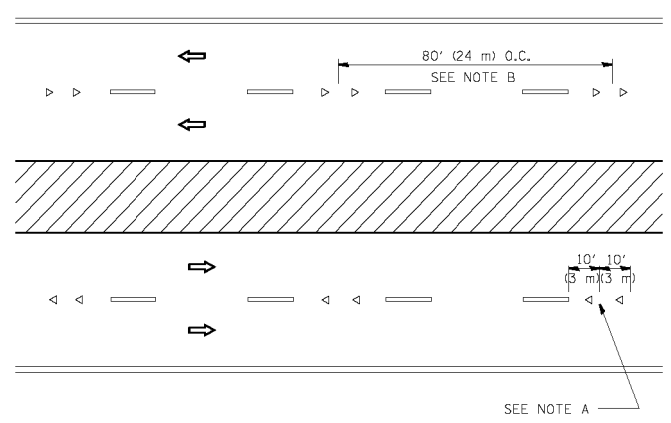
LANE REDUCTION TRANSITION



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 600' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

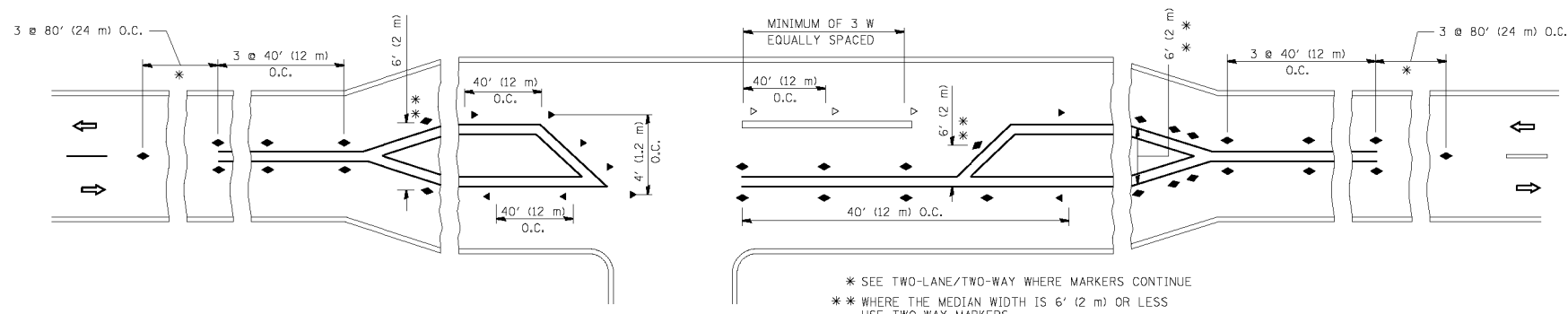
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

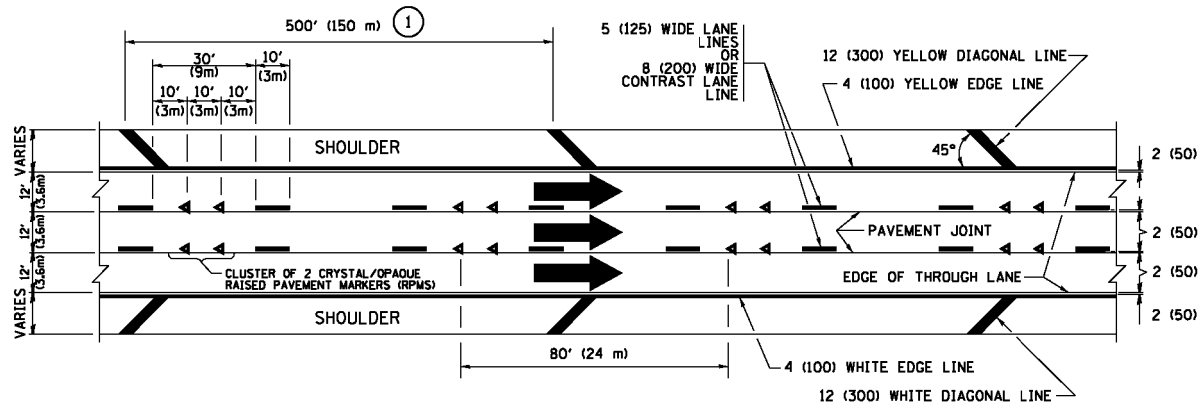


\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

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

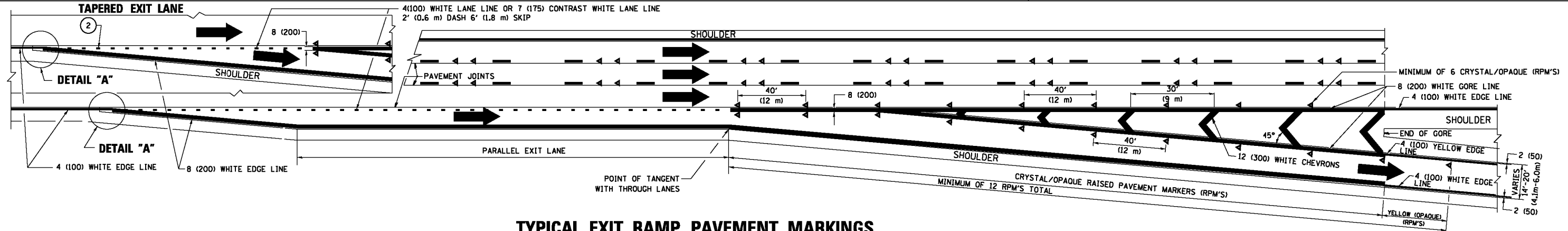
FILE NAME = c:\p\work\p\dot\1eysa\d0108315\td1.dgn	USER NAME = 1eysa	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)</b>			F.A.U. RTE. 2755	SECTION 06-00122-16-FP	COUNTY WILL	TOTAL SHEETS 1113	SHEET NO. 830
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00	REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	<b>TC-11</b>		<b>CONTRACT NO. 61G73</b>		
PLOT DATE = 3/2/2011	DATE -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



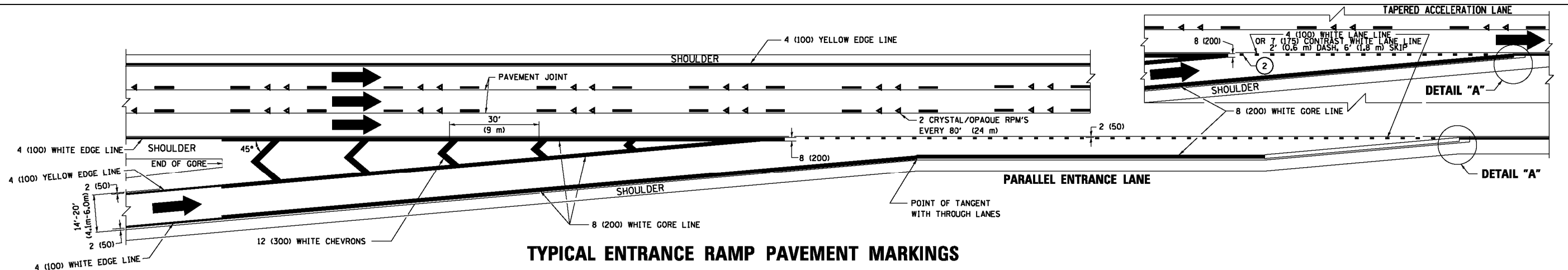
**TYPICAL EDGE LINES & LANE LINES**

**PAVEMENT MARKING MATERIALS**

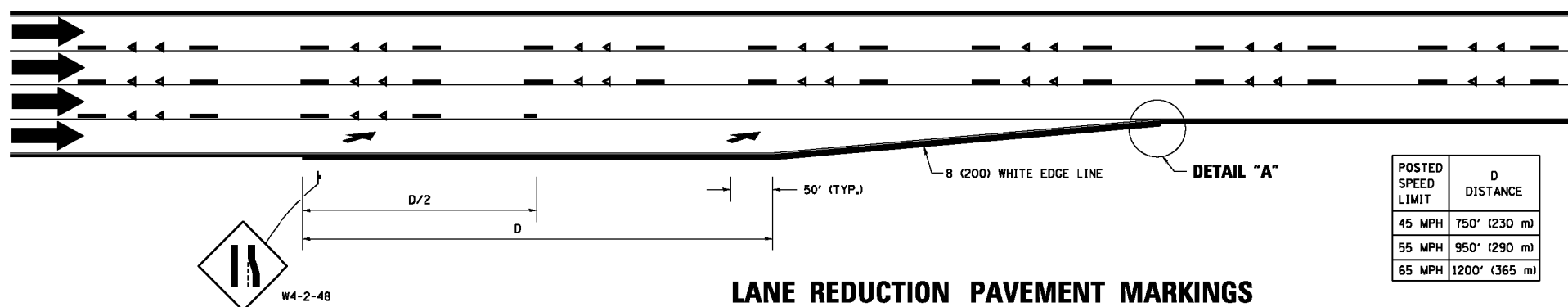
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



**TYPICAL EXIT RAMP PAVEMENT MARKINGS**



**TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS**

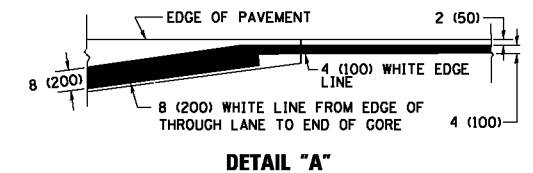


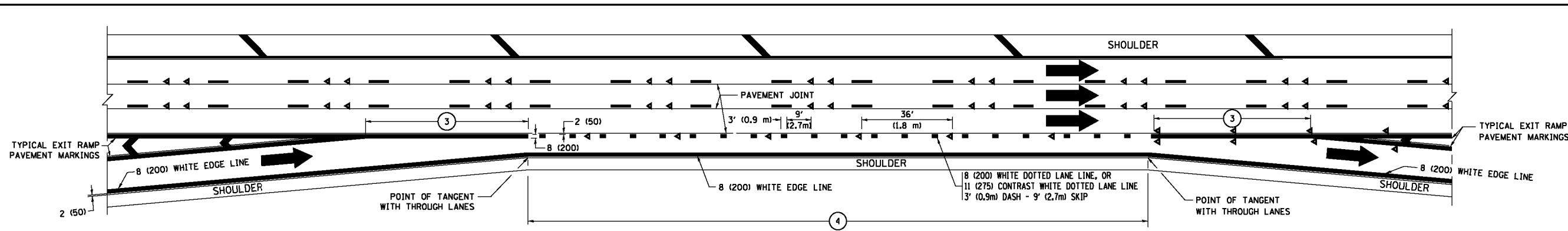
**LANE REDUCTION PAVEMENT MARKINGS**

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)

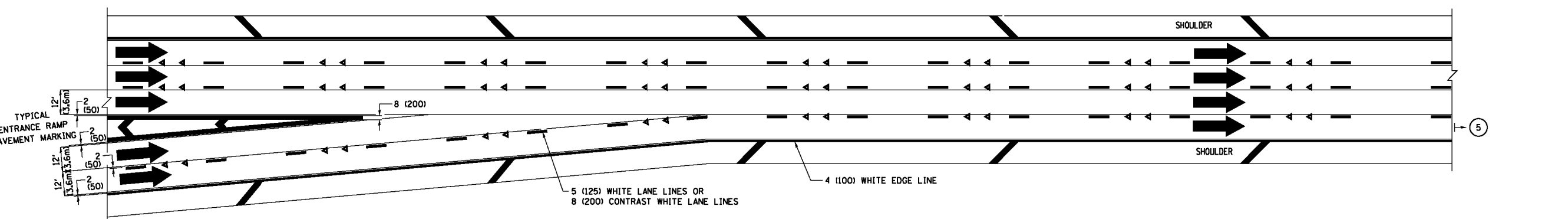
**NOTES:**

- 1 THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
- 2 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

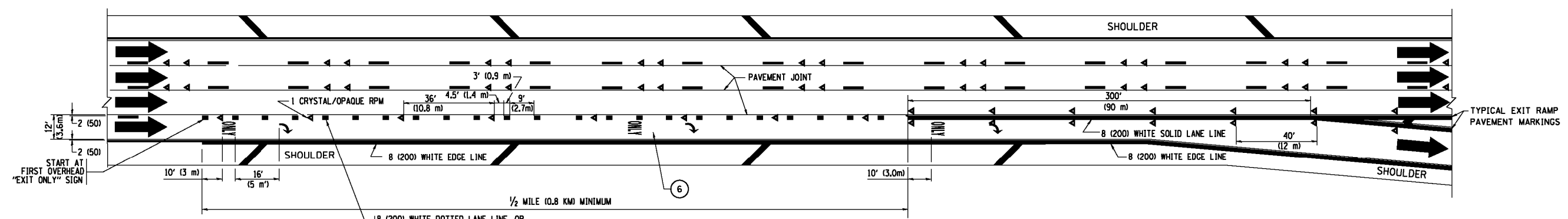




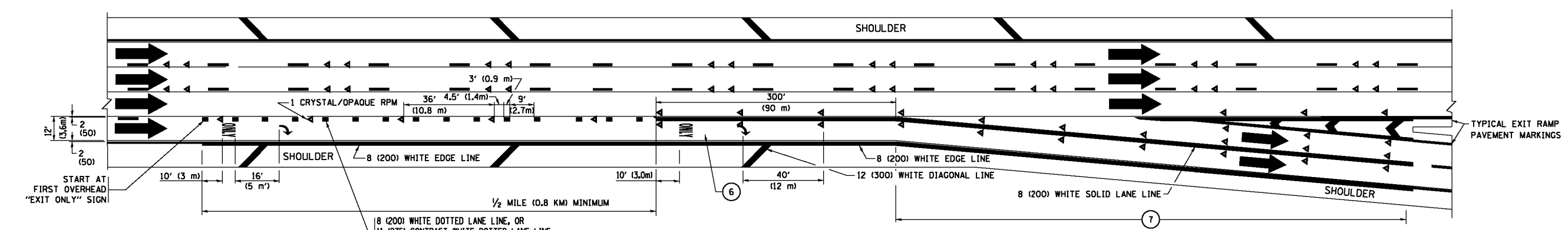
**AUXILIARY LANE MARKINGS**



**TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS**



**EXIT ONLY LANE MARKINGS**

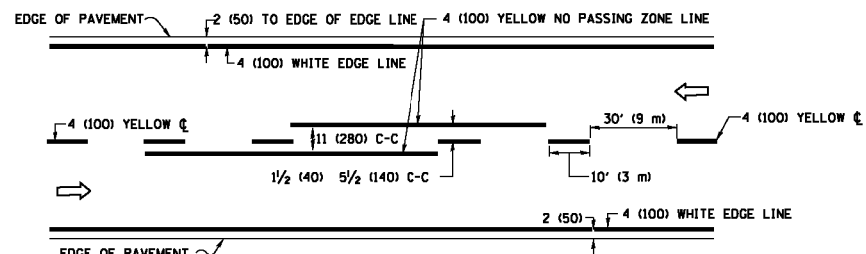


**EXIT ONLY WITH OPTION LANE MARKINGS**

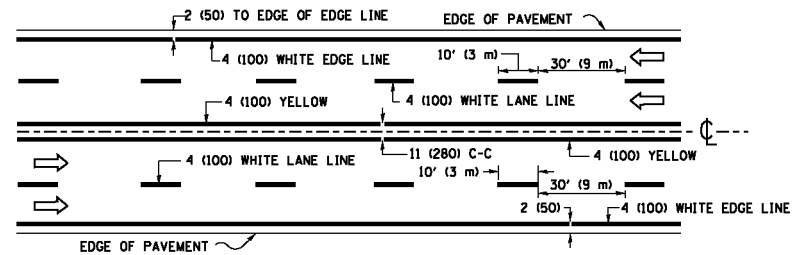
- NOTES:**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
  - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
  - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
  - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
  - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

FILE NAME =	USER NAME = foatemj	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS</b>			F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
p:\11\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\Dist 01\CADData\CADheeta\to12.dgn		DRAWN	REVISED - S.P.B. 01-07		SCALE: NONE	SHEET 2	OF 2 SHEETS	STA.	TO STA.	2755	06-00122-16-FP	WILL	1113	832
Default	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED - S.P.B. 01-10					<b>TC-12</b>		<b>CONTRACT NO. 61G73</b>				
	PLOT DATE = 9/6/2017	DATE - 01-90	REVISED - M.D. 09-17					ILLINOIS FED. AID PROJECT						

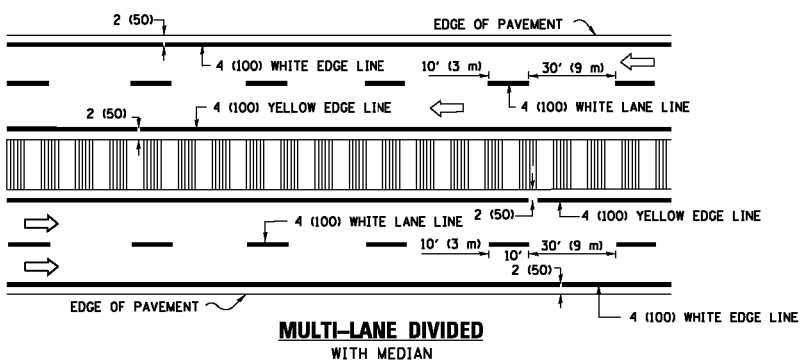




**2-LANE ROADWAY**

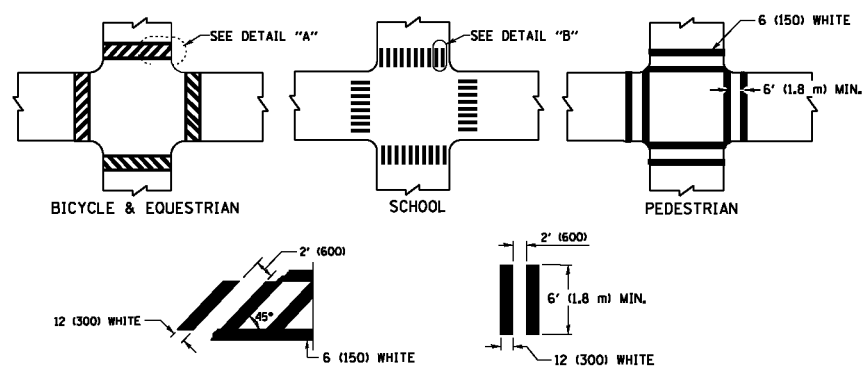


**MULTI-LANE UNDIVIDED**



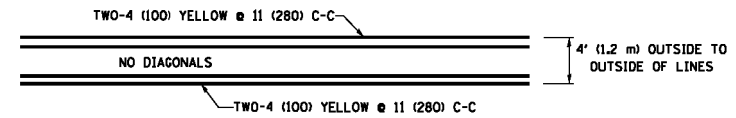
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

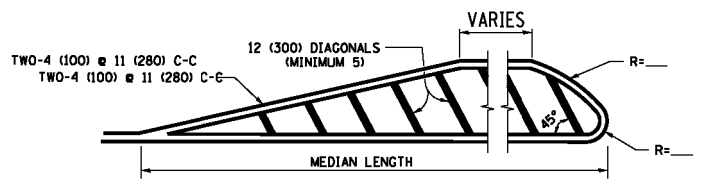


**TYPICAL CROSSWALK MARKING**

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

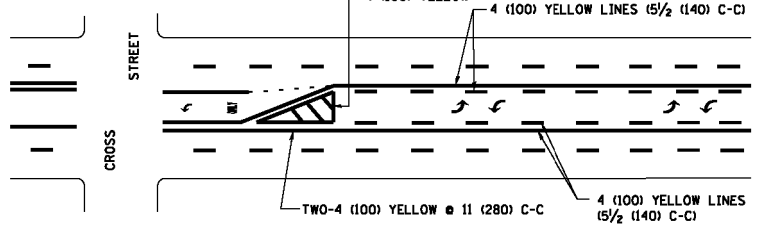


**4' (1.2 m) WIDE MEDIANS ONLY**



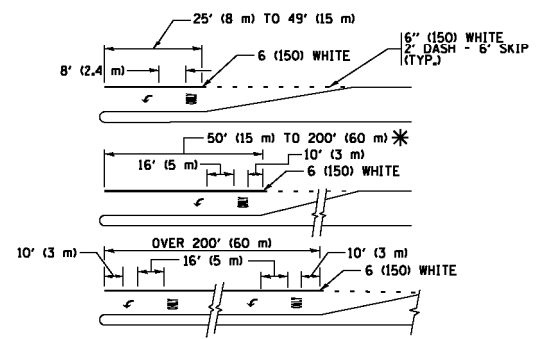
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.  
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

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



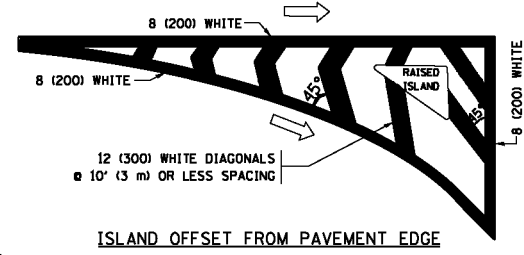
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**

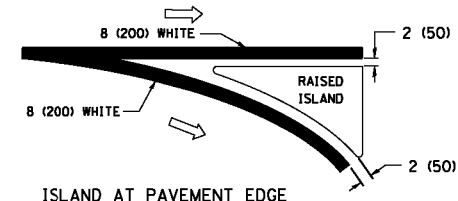


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

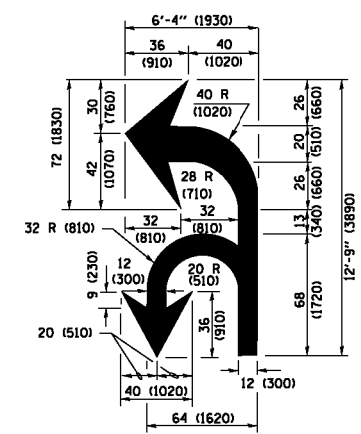
**TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING**



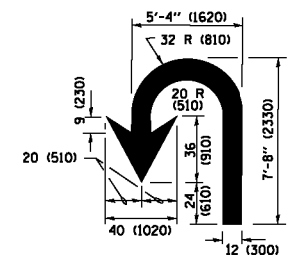
**ISLAND OFFSET FROM PAVEMENT EDGE**



**ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**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 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.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X" "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.

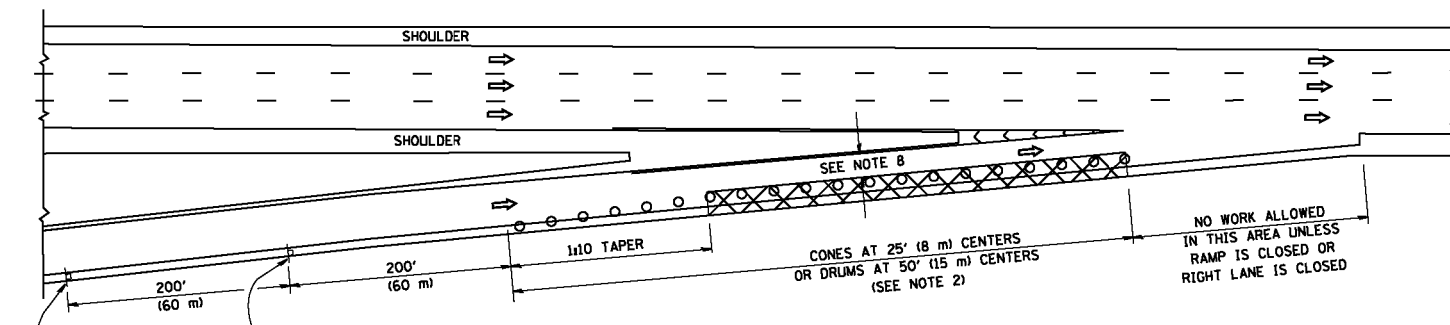
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		DRAWN -	REVISED - C. JUCIUS 07-01-13
		CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

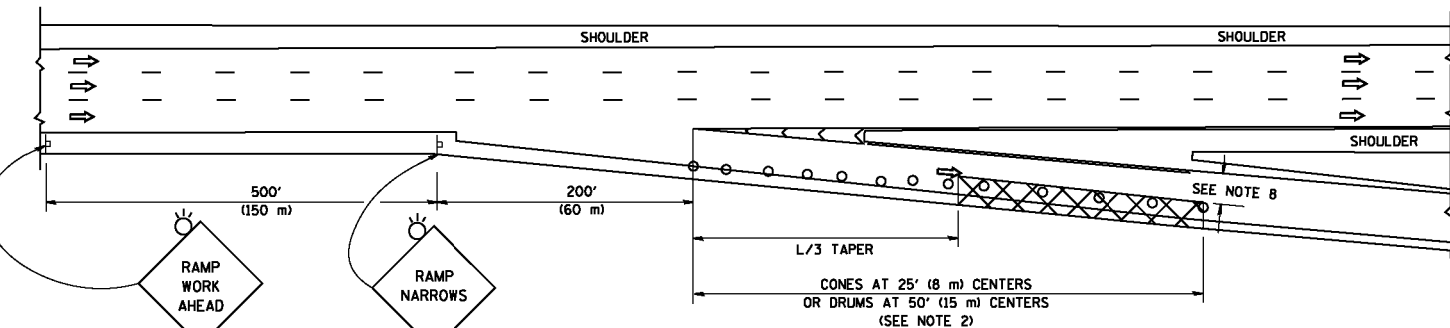
<b>DISTRICT ONE</b>		F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>TYPICAL PAVEMENT MARKINGS</b>		2755	06-00122-16-FP	WILL	1113	833
SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.	ILLINOIS FED. AID PROJECT	

<b>CONTRACT NO. 61G73</b>	
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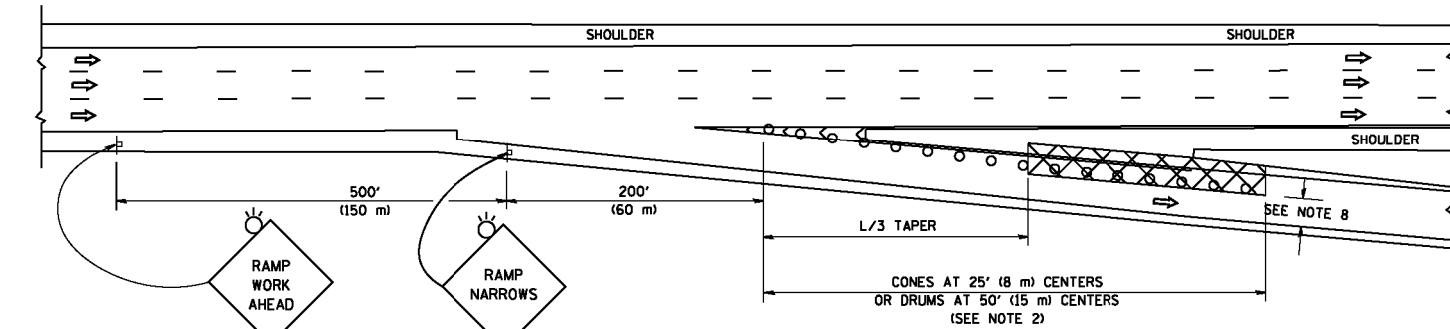
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

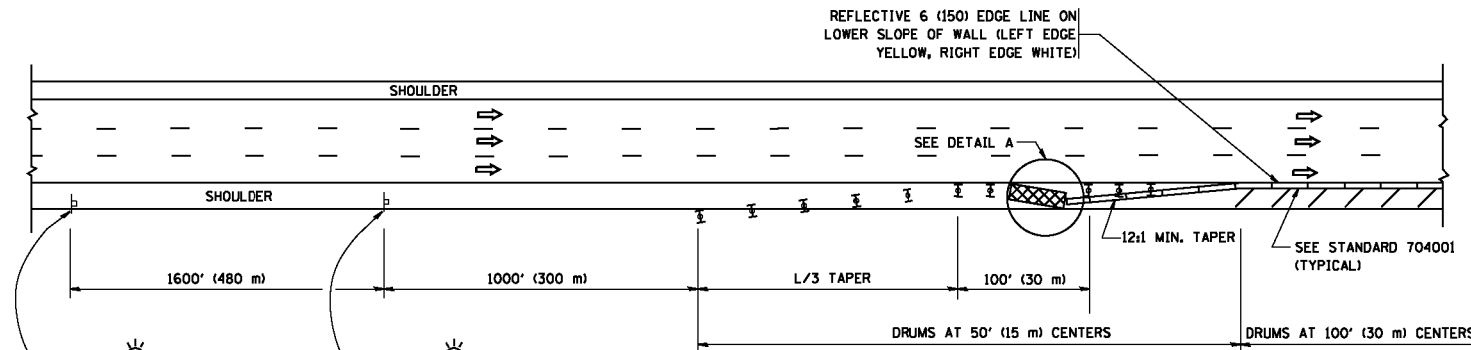
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

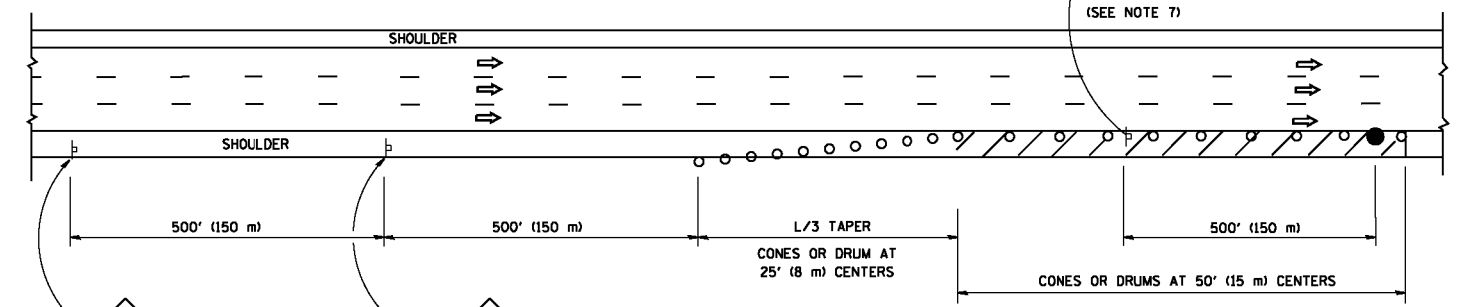
1. THE "L" DISTANCE EQUALS:
 

SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	L=0.65(W)(S) L=(W)(S)
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
  - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
  - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION  
16' MIN. WIDTH CURVE SECTION.

SHOULDER CLOSURE DETAILS

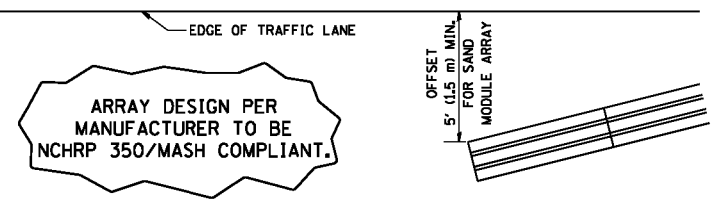


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:  
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



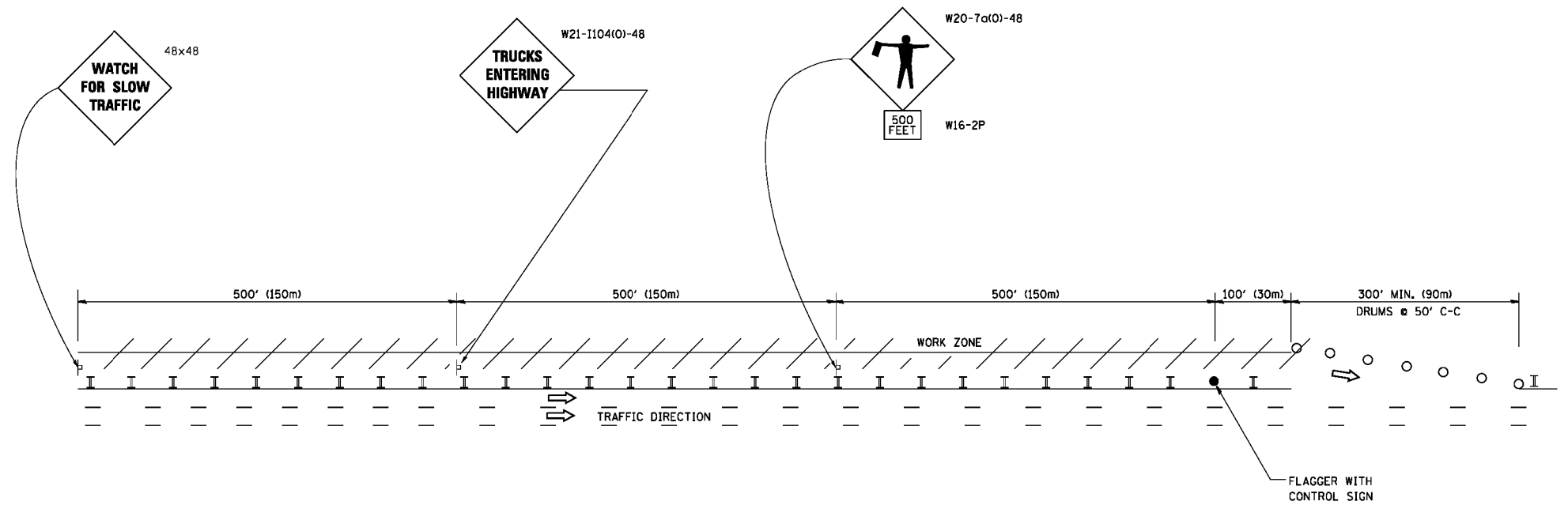
DETAIL "A"  
IMPACT ATTENUATOR, TEMPORARY  
(SEE NOTE 5)

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

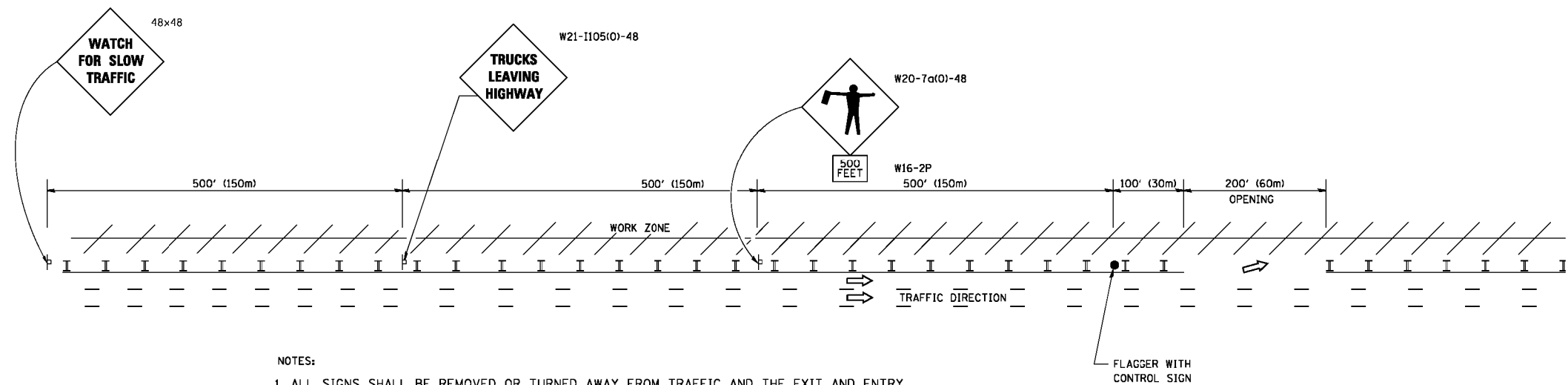
FILE NAME =	USER NAME = foatemj	DESIGNED -	REVISED - S.P.B. 01-07	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES</b>	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	pw\11084EBIDINTEG\illinois.gov\PIWIDT\Documents\IDOT Offices\District 1\Projects\Dist 1\Projects\CADData\CADData\to17.dgn	DRAWN -	REVISED - S.P.B. 12-09			2755	06-00122-16-FP	WILL	1113	834
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - M.D. 06-13			<b>TC-17</b>		<b>CONTRACT NO. 61G73</b>		
	PLOT DATE = 11/27/2017	DATE - 11-96	REVISED - M.D. 01-18			SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING

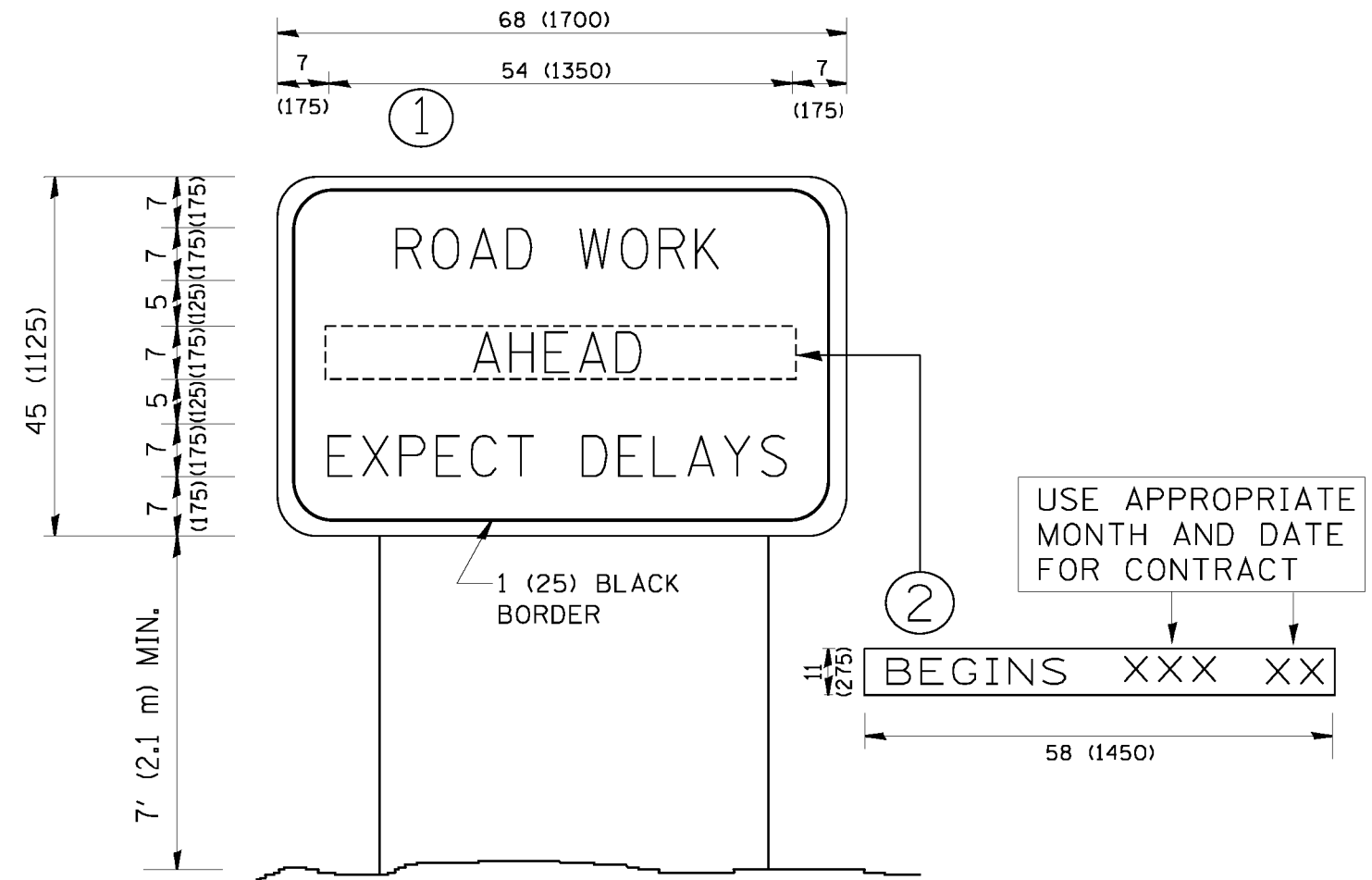


NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMPS.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = foatemj	DESIGNED -	REVISED - J.A.F. 02-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS</b>	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\foatemj\00108315\1018.dgn		DRAWN -	REVISED - S.P.B. 01-07			2755	06-00122-16-FP	WILL	1113	835
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		DATE -	REVISED - M.D. 06-13			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

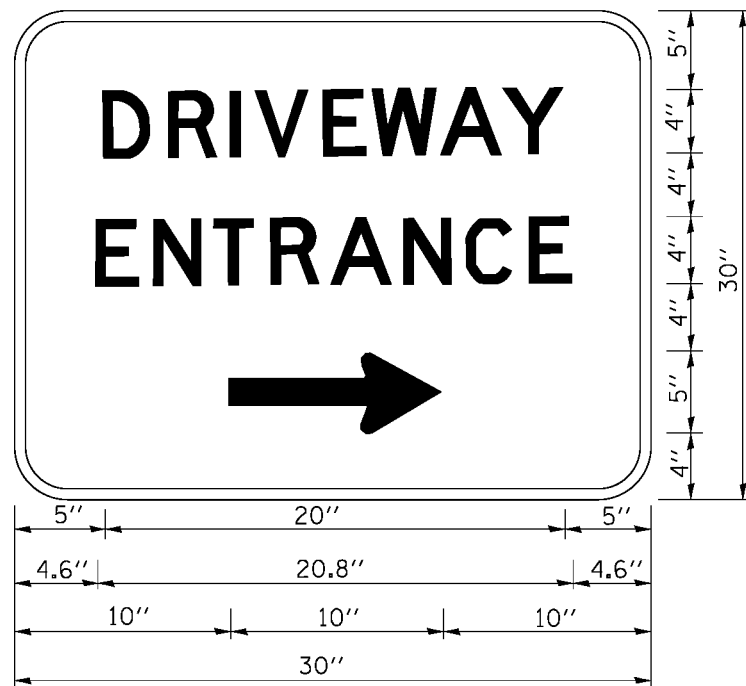


**NOTES:**

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

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

FILE NAME = W:\diststd\22x34\to22.dgn	USER NAME = gaglianobt	DESIGNED - DRAWN -	REVISOR - R. MIRS 09-15-97 REVISOR - R. MIRS 12-11-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>		FALL RTE. 2755	SECTION 06-00122-16-FP	COUNTY WILL	TOTAL SHEETS 1113	SHEET NO. 836
	PLDT SCALE = 50.000 ' / IN. PLDT DATE = 1/4/2008	CHECKED - DATE -	REVISOR - T. RAMMACHER 02-02-99 REVISOR - C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-22	CONTRACT NO. 61073	
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 = gaglianob	DESIGNED -	REVISED - C. JUCIUS 02-15-07
ca:\pwork\pwork\gaglianob\d0108315\to26.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	837
<b>TC-26</b>			<b>CONTRACT NO. 61G73</b>	
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				

Table with 3 columns: BY, DATE, FINISH SURVEY, SURVEYED SURVEY, PLOTTED TEMPLATE, AREAS CHECKED.

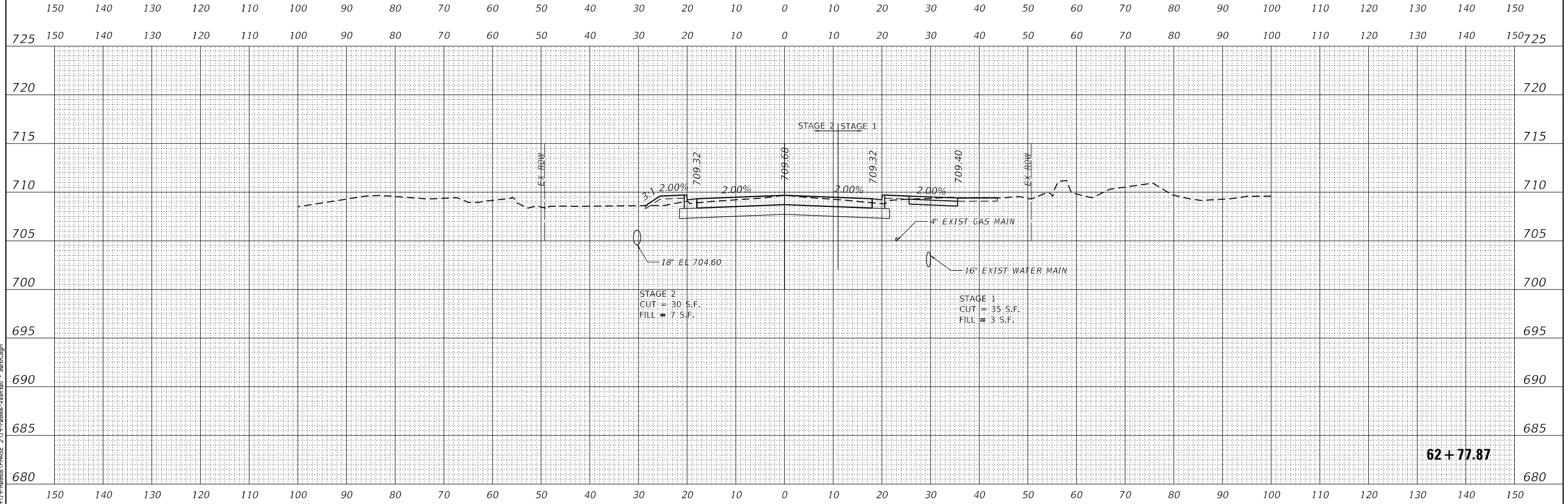
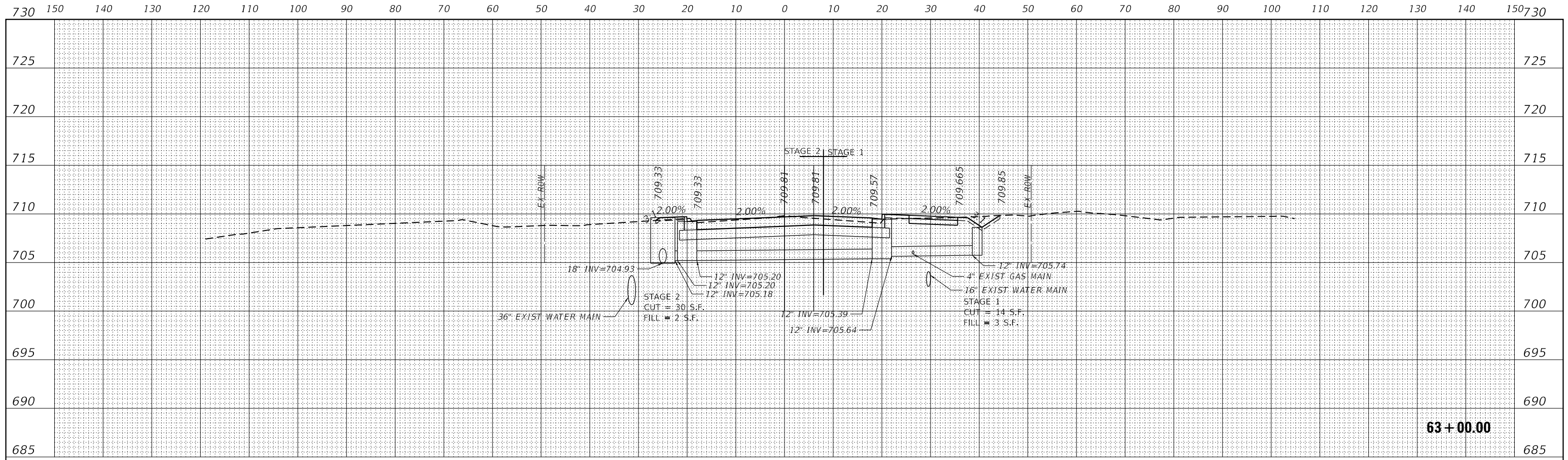


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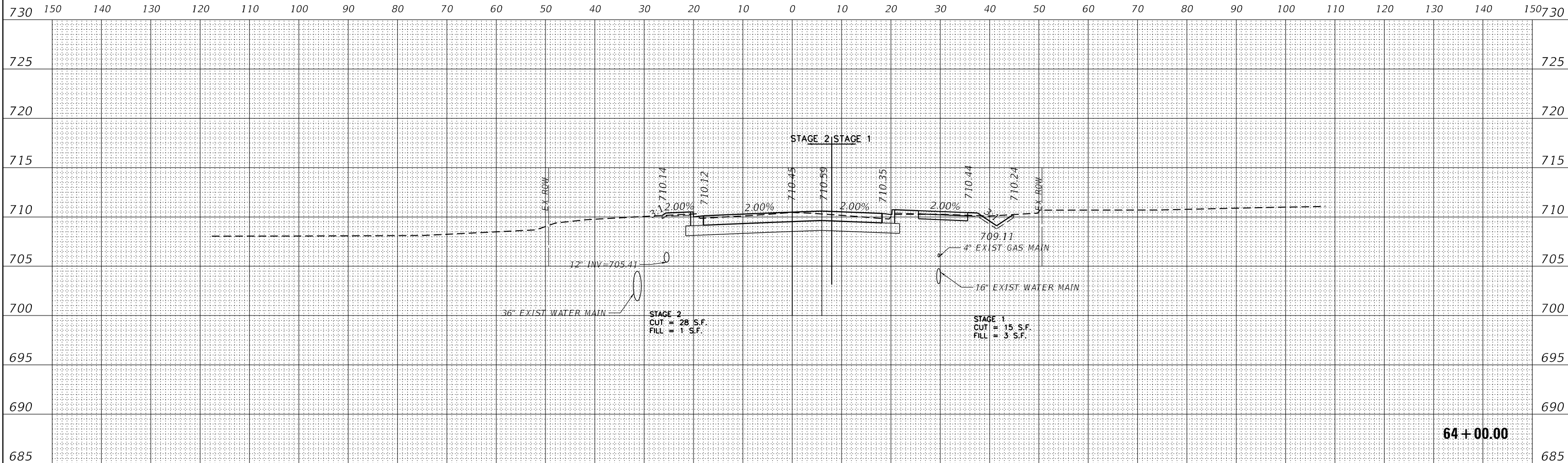
Table with columns: USER NAME, DESIGNED, DRAWN, CHECKED, DATE, REVISED, REVISIONS. Includes design details for EA and KWM.

WILL COUNTY DIVISION OF TRANSPORTATION

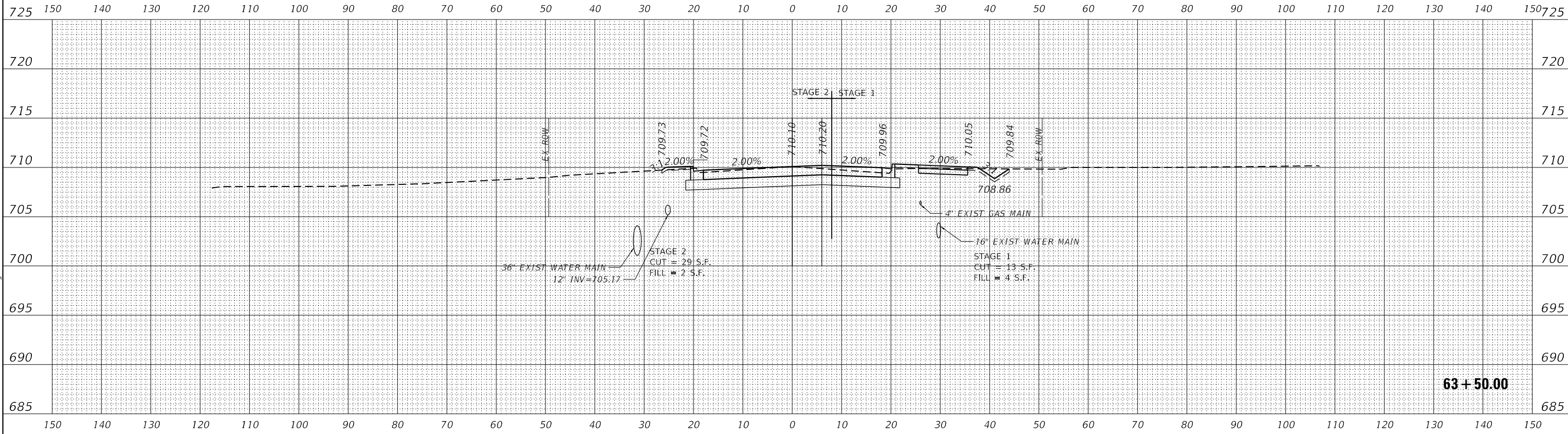
80TH AVENUE ROADWAY RECONSTRUCTION CROSS SECTIONS - 80TH AVENUE
SCALE: 1"=20'Hx10'V SHEET OF SHEETS STA. TO STA.

Table with columns: F.A.U. R.T.E., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO. Includes project details for Will County, IL, and contract 61G73.

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



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



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**ENGINEERING CONSULTANT**

**Robinson ENGINEERING**

USER NAME =	untitled
DESIGNED -	EA
DRAWN -	KWM
CHECKED -	EA
DATE -	11/23/2020
REVISIONS	
REVISED -	
REVISED -	
REVISED -	

DESIGNED -	EA
DRAWN -	KWM
CHECKED -	EA
DATE -	11/23/2020
REVISIONS	
REVISED -	
REVISED -	
REVISED -	

**WILL COUNTY**  
**DIVISION OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

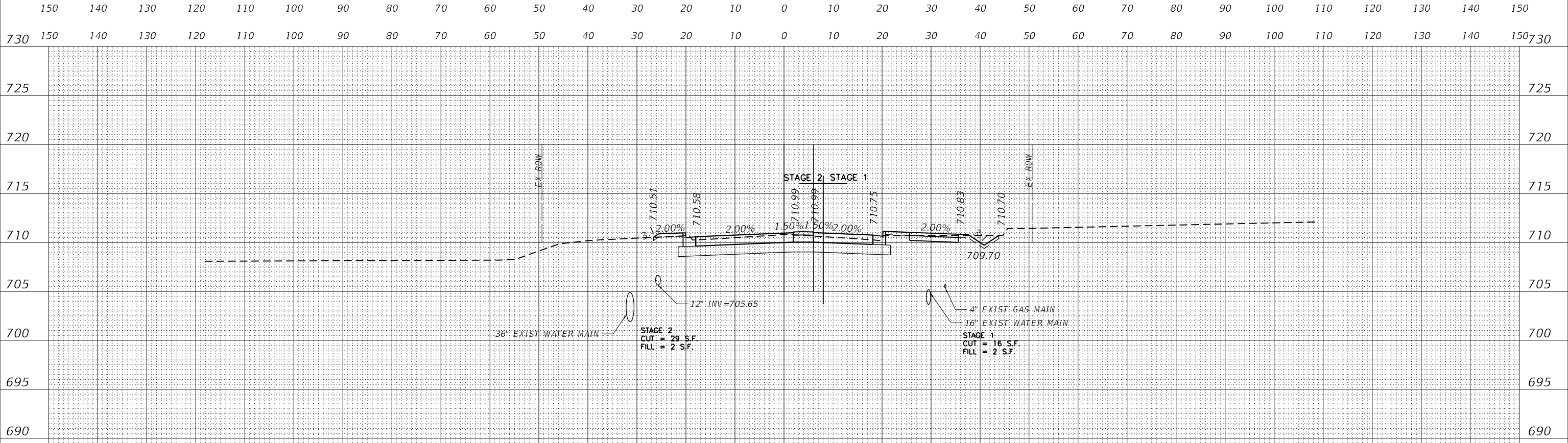
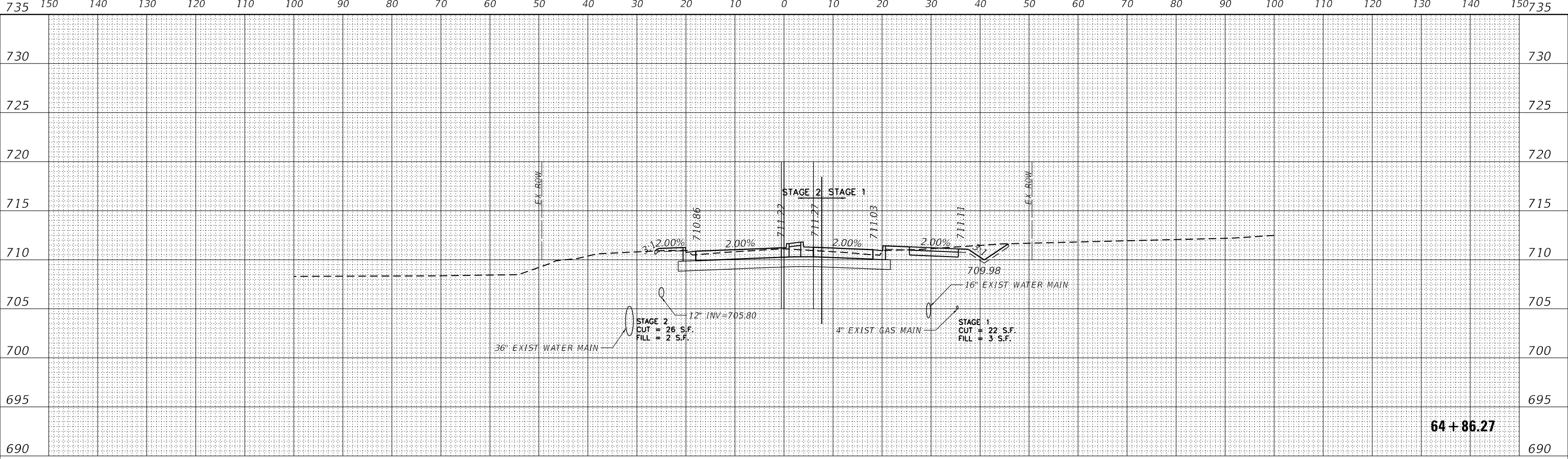
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F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	839
				CONTRACT NO. 61G73
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
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BY	
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USER NAME =	untitled
DESIGNED -	EA
DRAWN -	KWM
CHECKED -	EA
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REVISOR -	
REVISION -	
REVISOR -	
REVISION -	
REVISOR -	
REVISION -	

**WILL COUNTY**  
**DIVISION OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

SCALE: 1"=20'H:10'V SHEET OF SHEETS STA. TO STA.

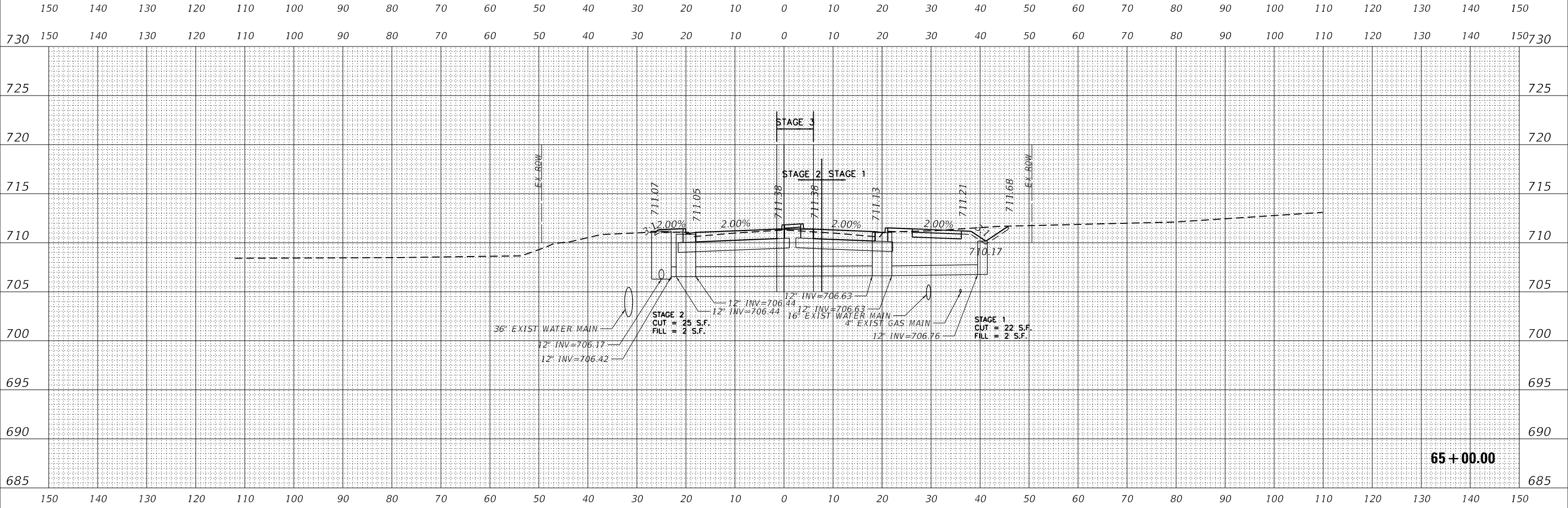
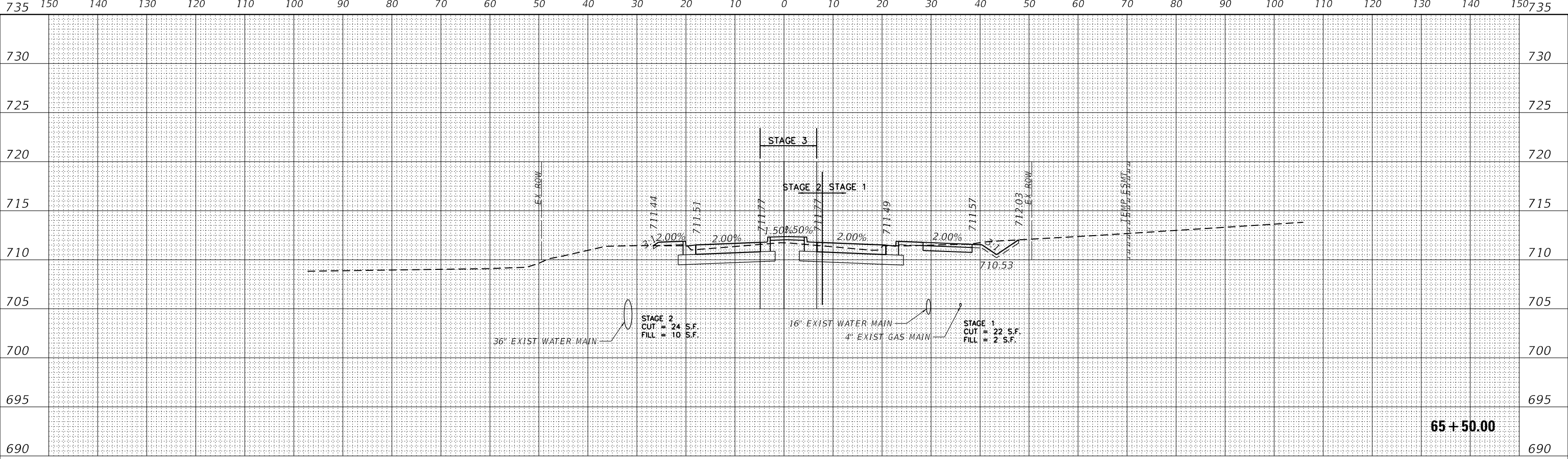
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	840
CONTRACT NO.			61G73	
ILLINOIS FED. AID PROJECT				



BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	
FINISH	
NO.	

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	
ORIGINAL	
NO.	

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 FILE NAME = P:\2017\17-000005\PHASE 2\17-000005-ssr.dwg - 80th.dwg



**ENGINEERING CONSULTANT**  
 Robinson  
 ENGINEERING

USER NAME	= untitled
DESIGNED	- EA
DRAWN	- KWM
CHECKED	- EA
DATE	- 11/23/2020
REVISIONS	-
REVISIONS	-
REVISIONS	-
REVISIONS	-

**WILL COUNTY**  
**DIVISION OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	841
				CONTRACT NO. 61G73

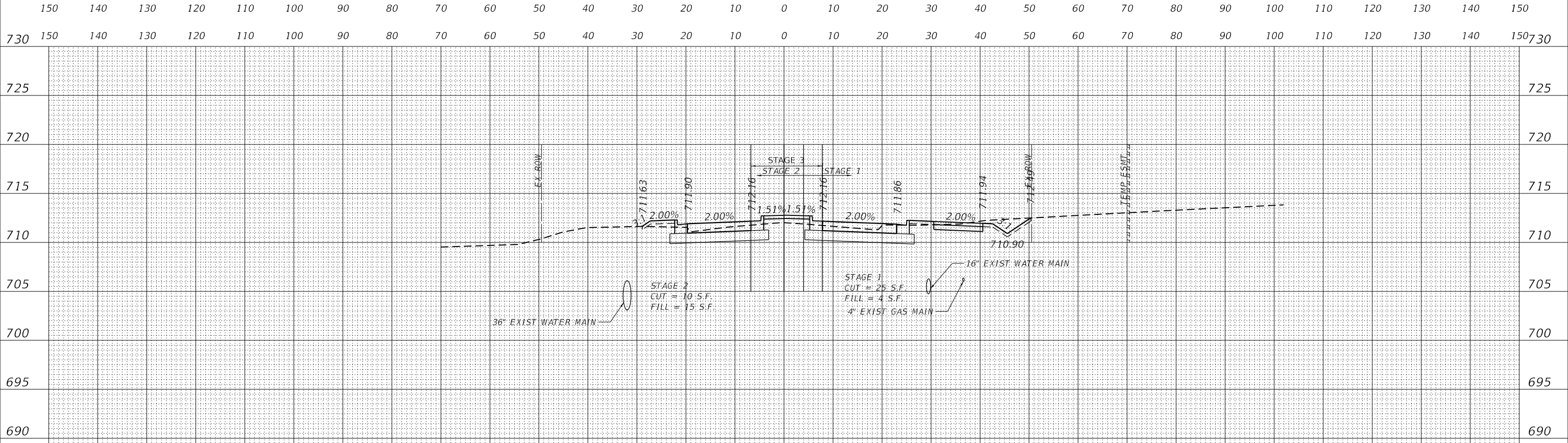
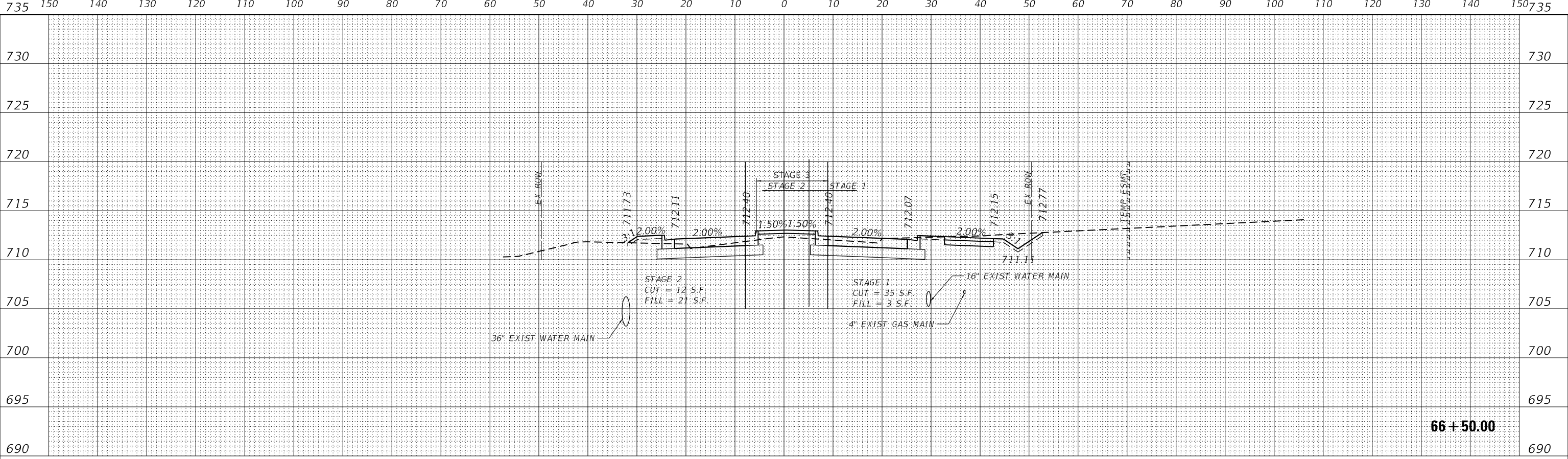
SCALE: 1"=20'H=10'V SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	

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USER NAME = untitled  
 PLOT SCALE = 248.0000' / ft.  
 PLOT DATE = 2/26/2021

DESIGNED - EA  
 DRAWN - KWM  
 CHECKED - EA  
 DATE - 11/23/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**WILL COUNTY**  
**DIVISION OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

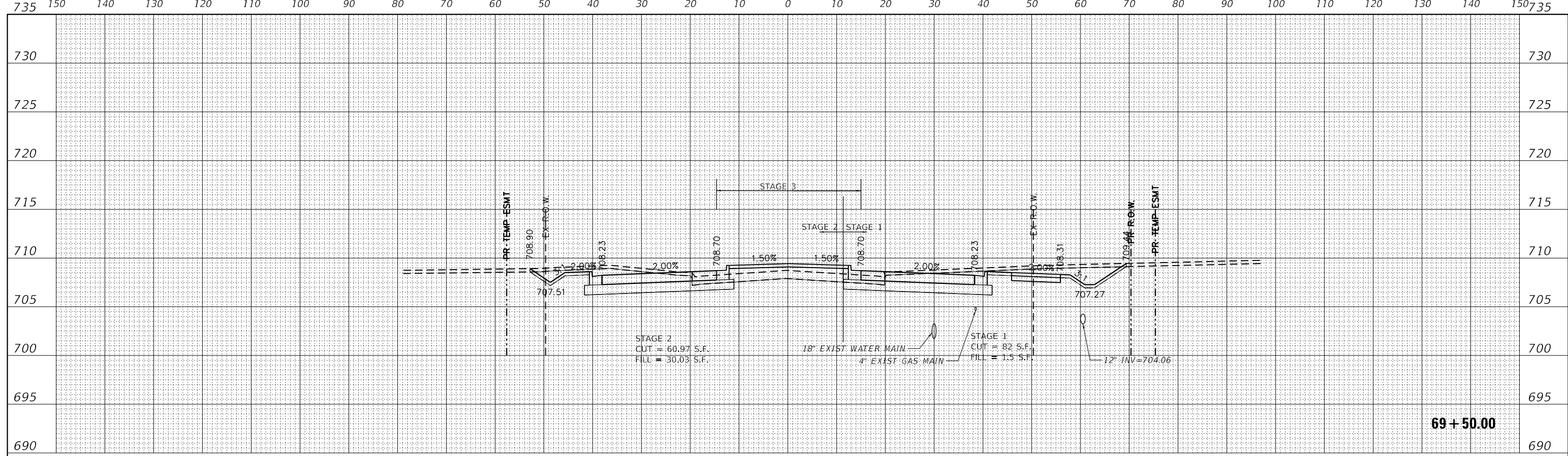
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	842
CONTRACT NO.			61G73	
ILLINOIS FED. AID PROJECT				

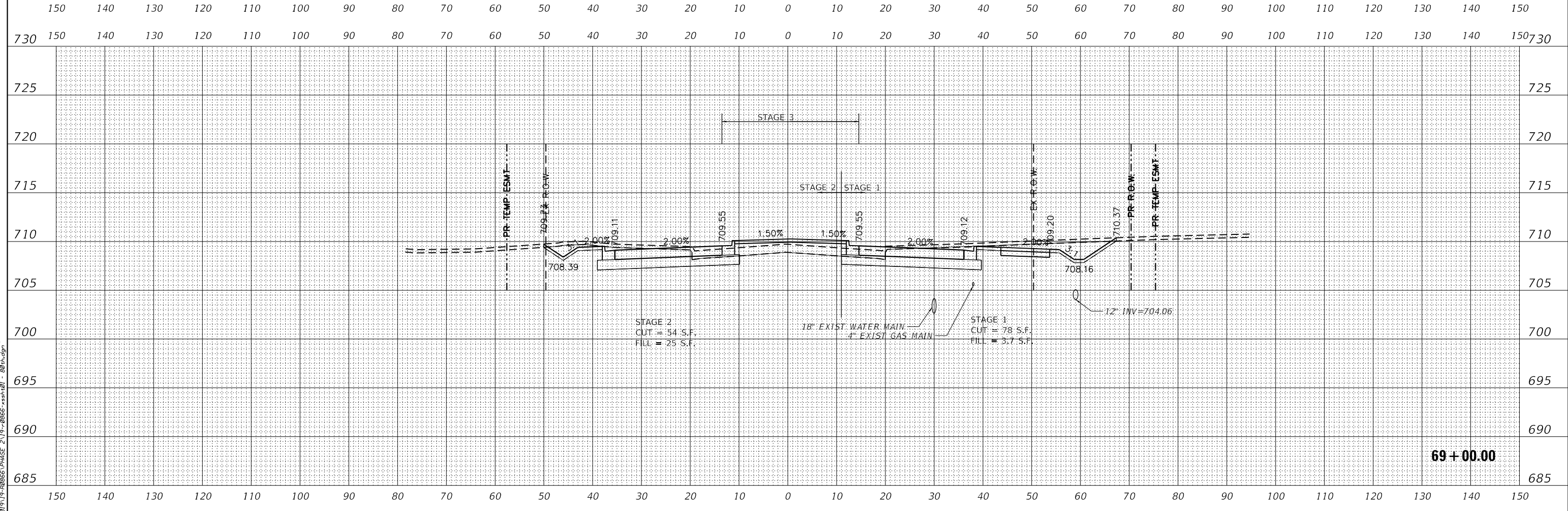




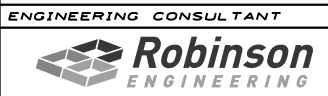
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BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
AREAS CHECKED	
NO.	



DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
AREAS CHECKED	
NO.	



DATE PLOTTED = 2/26/2021 11:52:14 AM  
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USER NAME =	untitled
DESIGNED -	
DRAWN -	
CHECKED -	
DATE -	11/23/2020
REVISOR -	
REVISION -	
REVISOR -	
REVISION -	

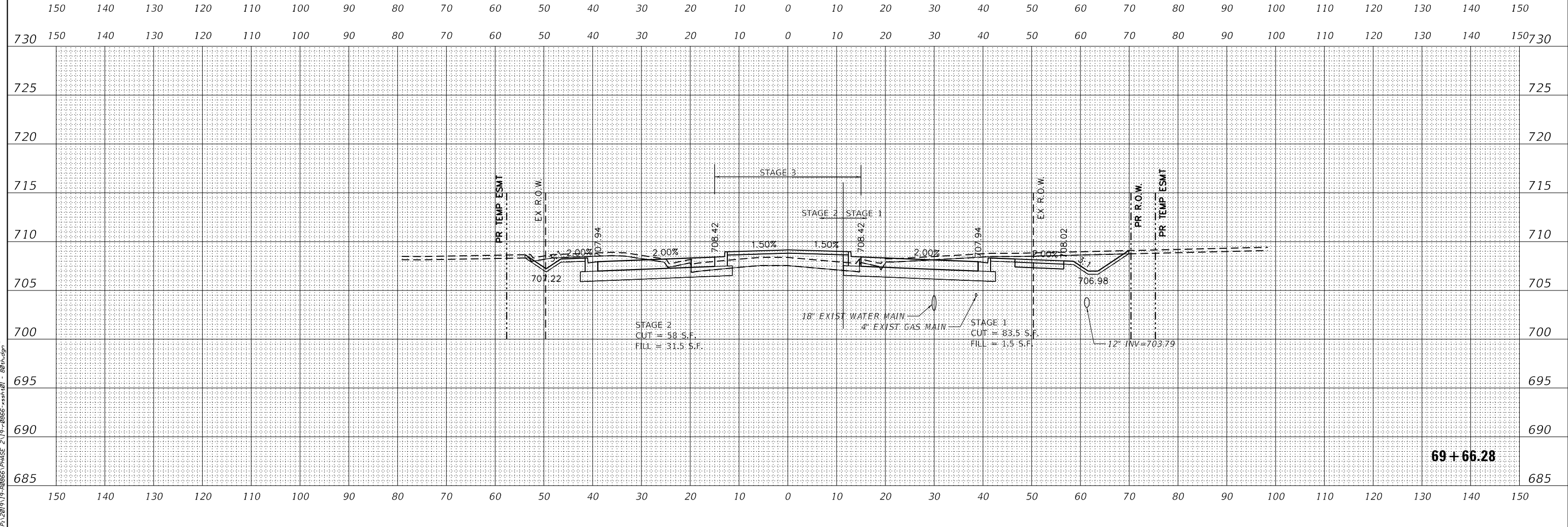
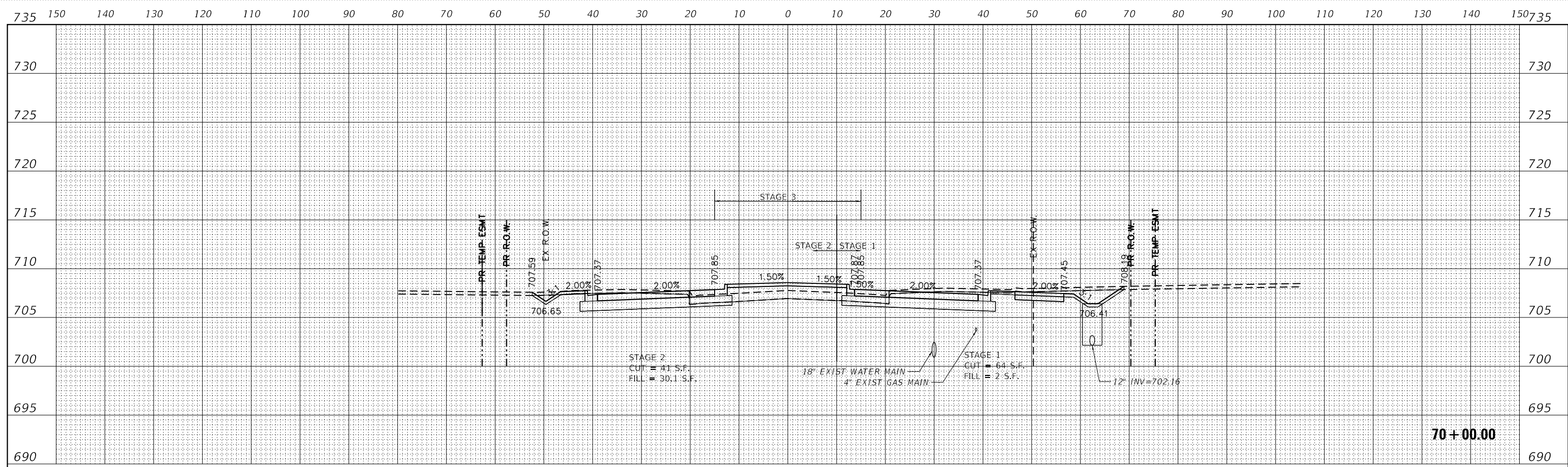
WILL COUNTY  
 DIVISION OF TRANSPORTATION

80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	845
CONTRACT NO.			61G73	

ILLINOIS FED. AID PROJECT



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

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

DATE PLOTTED = 2/26/2021 11:52:14 AM  
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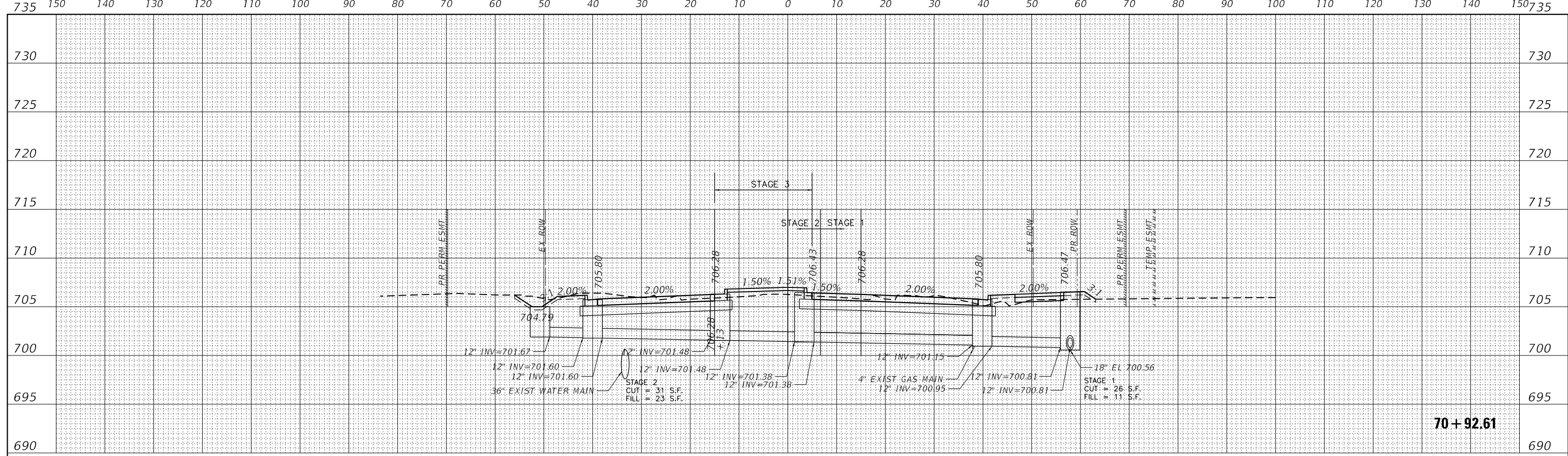
**ENGINEERING CONSULTANT**  
 Robinson  
 ENGINEERING

USER NAME = untitled	DESIGNED -	REVISED -
PLOT SCALE = 248.0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 2/26/2021	CHECKED -	REVISED -
	DATE = 11/23/2020	REVISED -

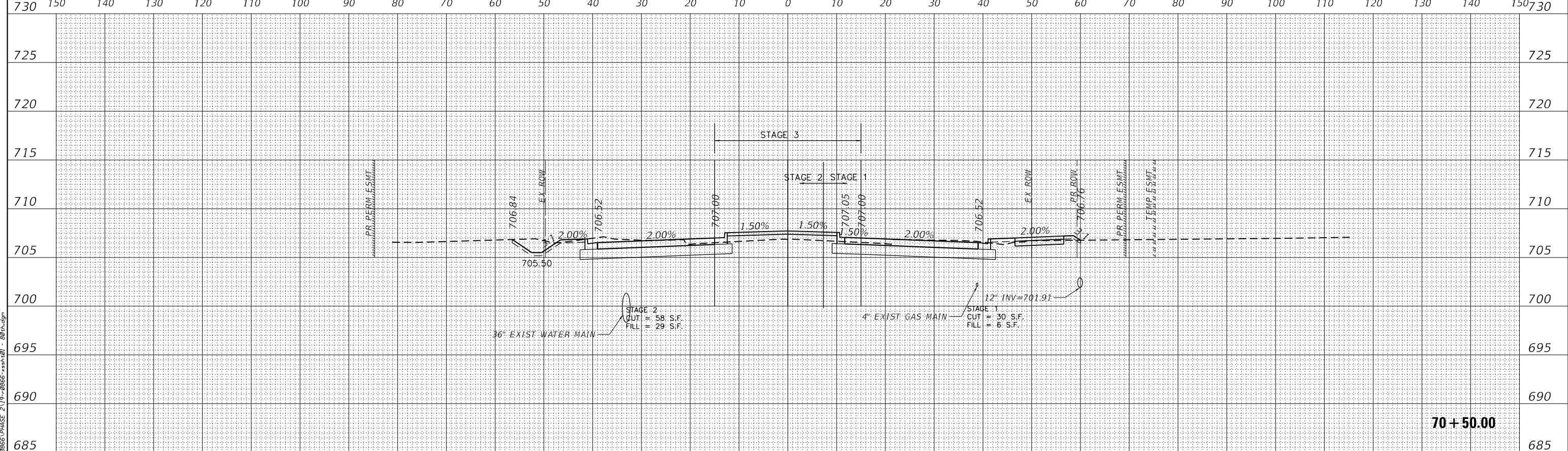
**WILL COUNTY**  
**DIVISION OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**  
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	846
CONTRACT NO.			61G73	
ILLINOIS FED. AID PROJECT				



735 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



730 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS
	CHECKED

DATE PLOTTED = 2/26/2021 11:52:14 AM  
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FILE NAME = P:\2017\17-00066\PHASE 2\17-00066-111101.dwg

ENGINEERING CONSULTANT

USER NAME = untitled	DESIGNED - EA	REVISED -
PLOT SCALE = 248.0000' / ft.	DRAWN - KWM	REVISED -
PLOT DATE = 11/23/2020	CHECKED - EA	REVISED -
	DATE - 11/23/2020	REVISED -

**WILL COUNTY**  
**DIVISION OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

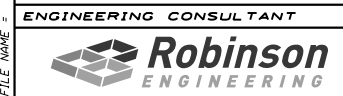
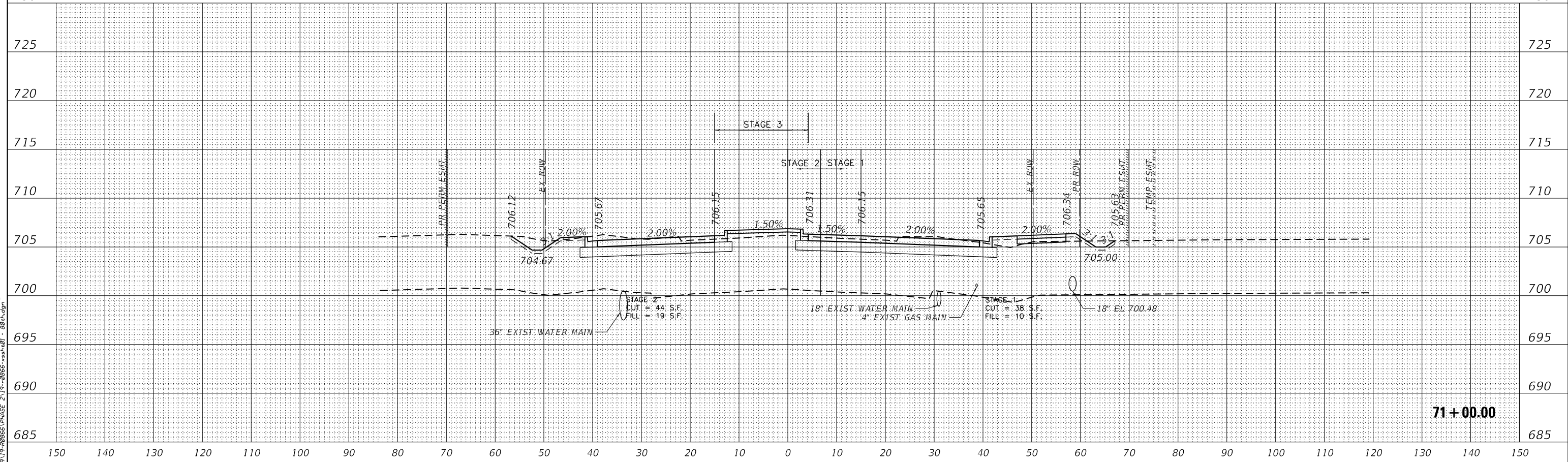
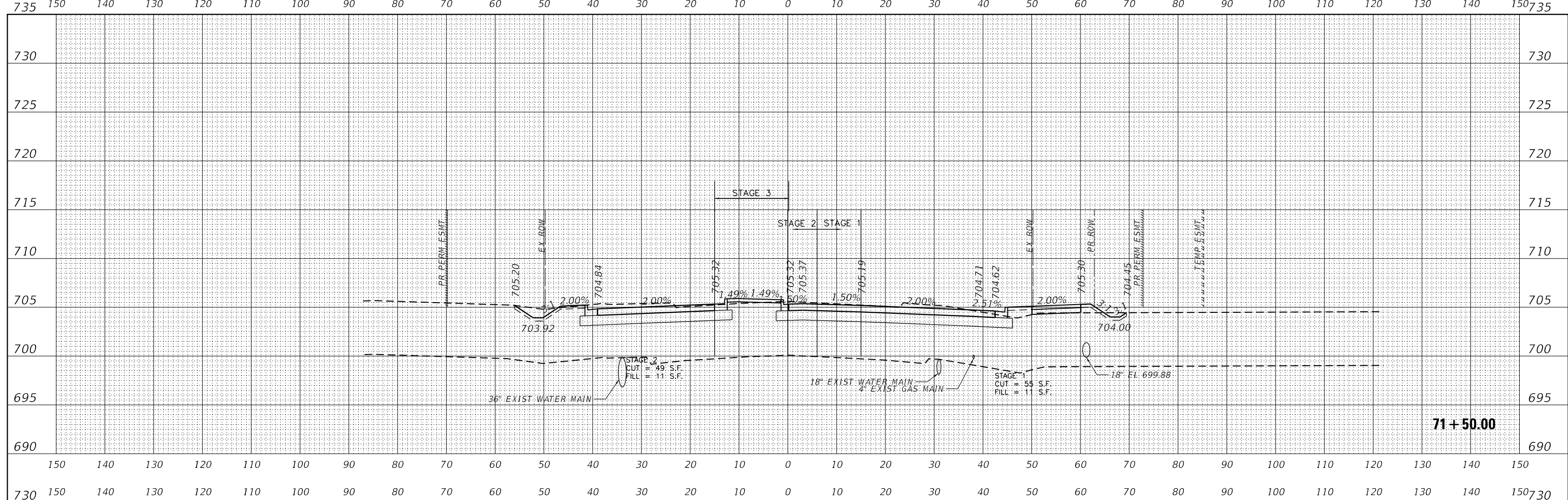
SCALE: 1"=20'H:10"V SHEET OF SHEETS STA. TO STA.

F.A.U. RT.E. 2755	SECTION 06-00122-16-FP	COUNTY WILL	TOTAL SHEETS 1113	SHEET NO. 847
CONTRACT NO. 61G73			ILLINOIS FED. AID PROJECT	

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

ORIGINAL	DATE
SURVEY	
NOTE BOOK	
NO.	

DATE PLOTTED = 2/26/2021 11:52:14 AM  
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USER NAME =	untitled	DESIGNED -	EA	REVISED -	
PLOT SCALE =	248.0000 / ft.	DRAWN -	KWM	REVISED -	
PLOT DATE =	11/23/2020	CHECKED -	EA	REVISED -	
		DATE -	11/23/2020	REVISED -	

**WILL COUNTY**  
**DIVISION OF TRANSPORTATION**

<b>80TH AVENUE ROADWAY RECONSTRUCTION</b>			
<b>CROSS SECTIONS - 80TH AVENUE</b>			
SCALE: 1"=20'H@10"V	SHEET	OF	SHEETS
STA.		TO	STA.

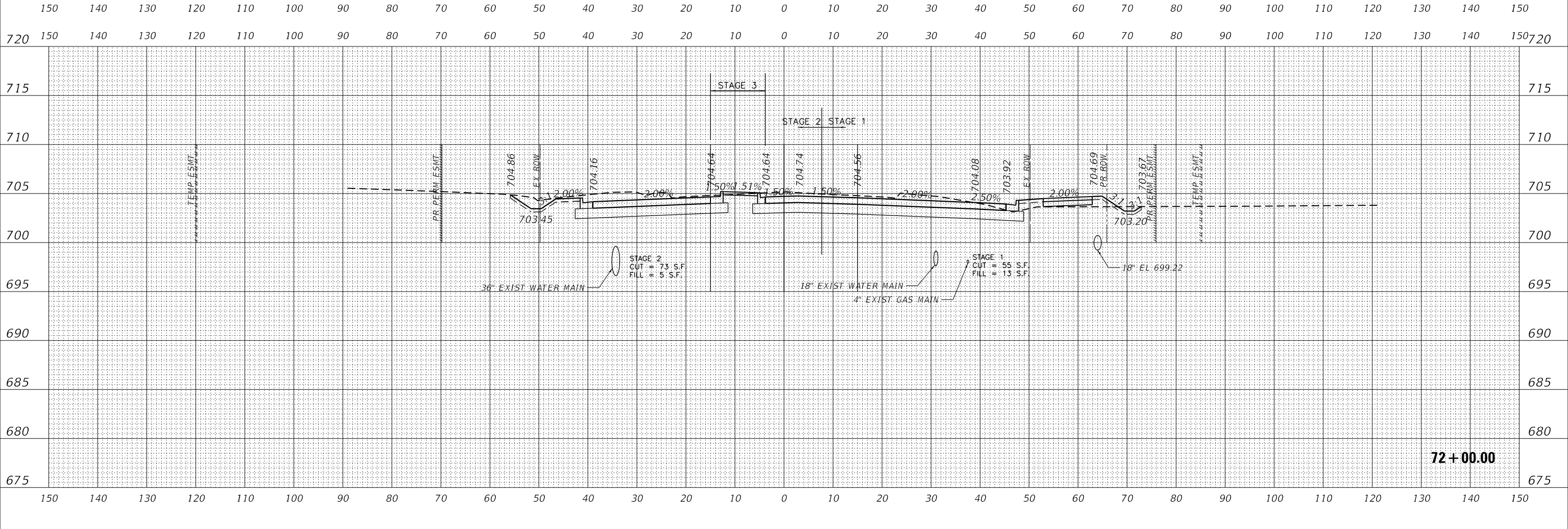
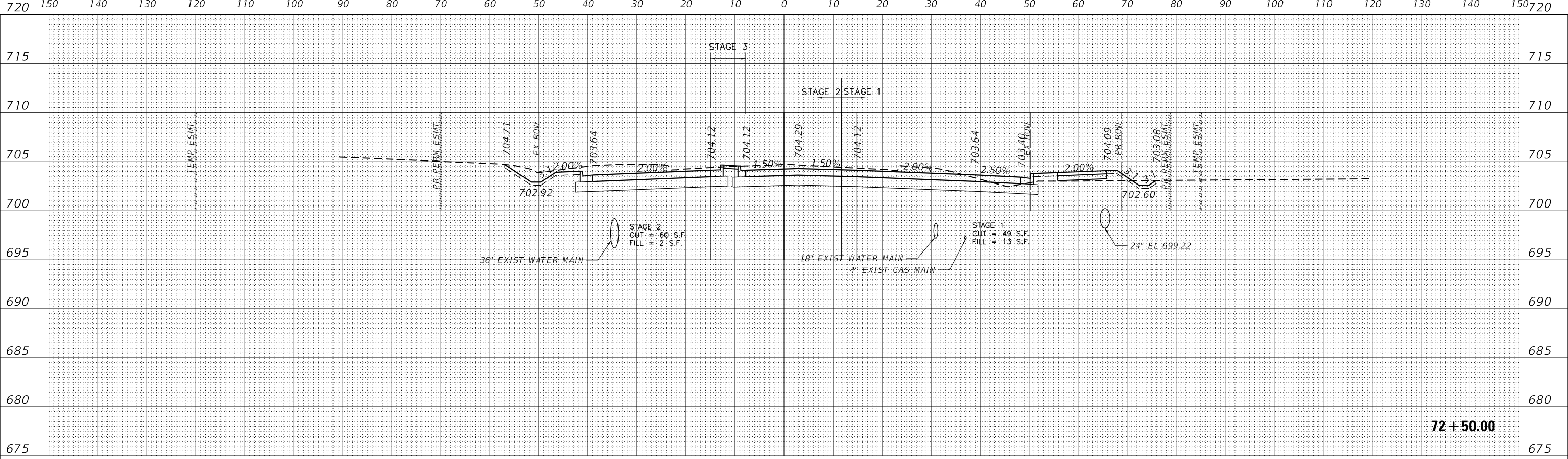
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	848
				CONTRACT NO. 61G73



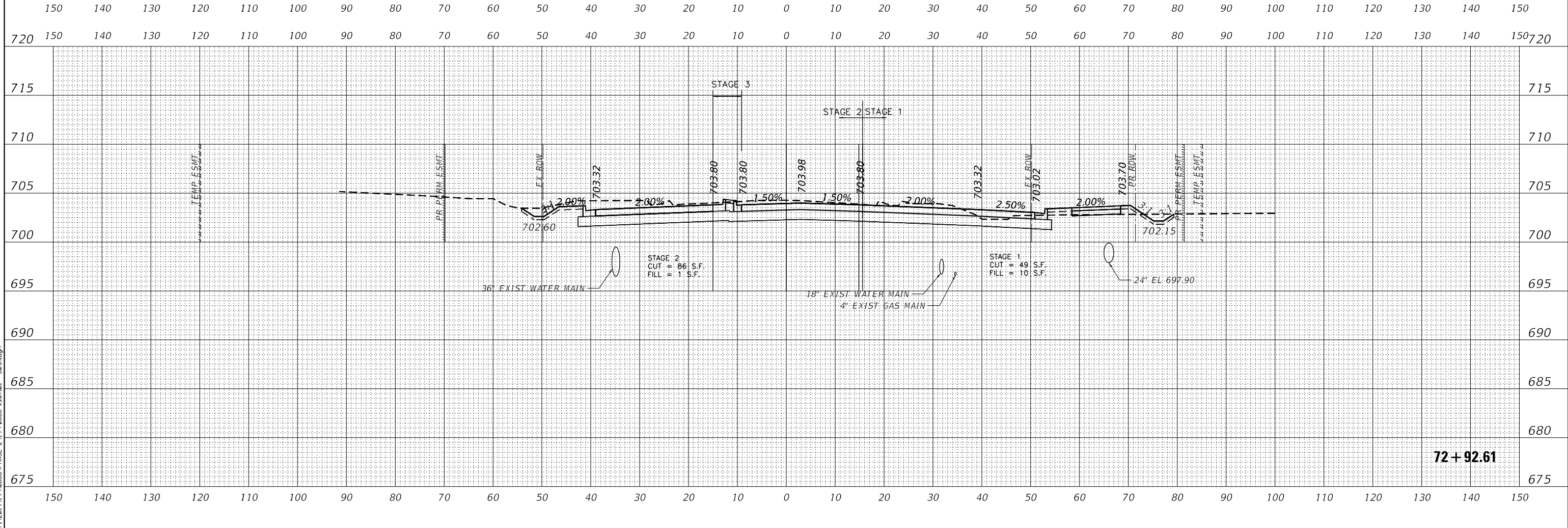
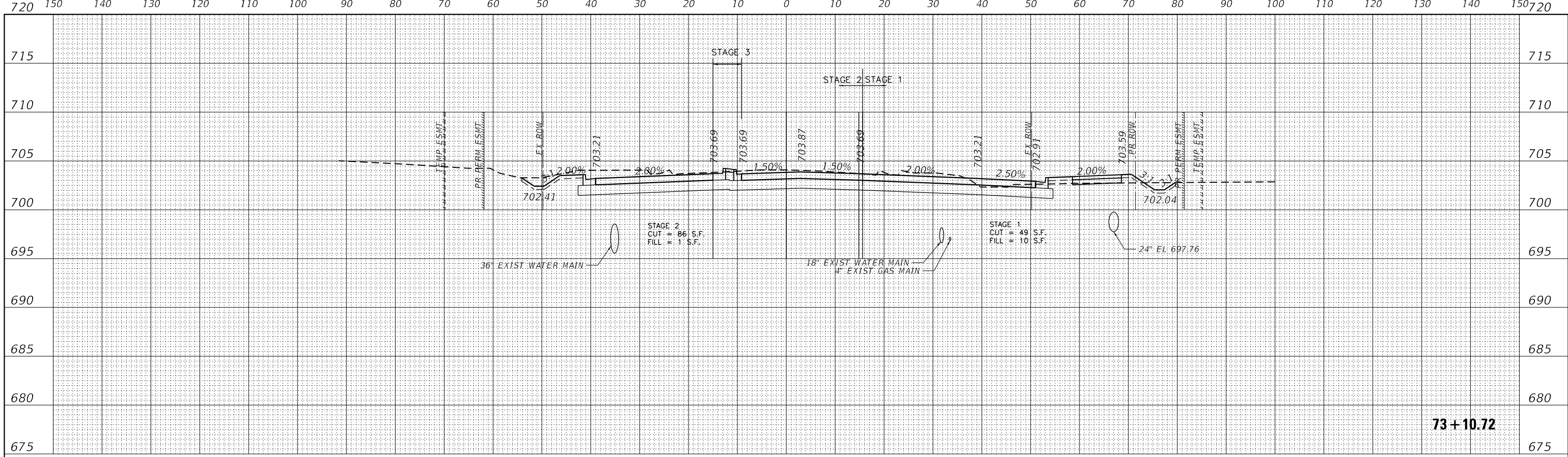
DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
AREAS CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
AREAS CHECKED	
NO.	

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		USER NAME = untitled PLOT SCALE = 248.0000' / ft. PLOT DATE = 2/26/2021	DESIGNED - EA DRAWN - KWM CHECKED - EA DATE - 11/23/2020	REVISED - REVISED - REVISED - REVISED -	<b>WILL COUNTY</b> <b>DIVISION OF TRANSPORTATION</b>		<b>80TH AVENUE ROADWAY RECONSTRUCTION</b> <b>CROSS SECTIONS - 80TH AVENUE</b>		SCALE: 1"=20'H@10"V SHEET OF SHEETS STA. TO STA.	F.A.U. RT. SECTION COUNTY TOTAL SHEETS SHEET NO. 2755 06-00122-16-FP WILL 1113 849 CONTRACT NO. 61G73
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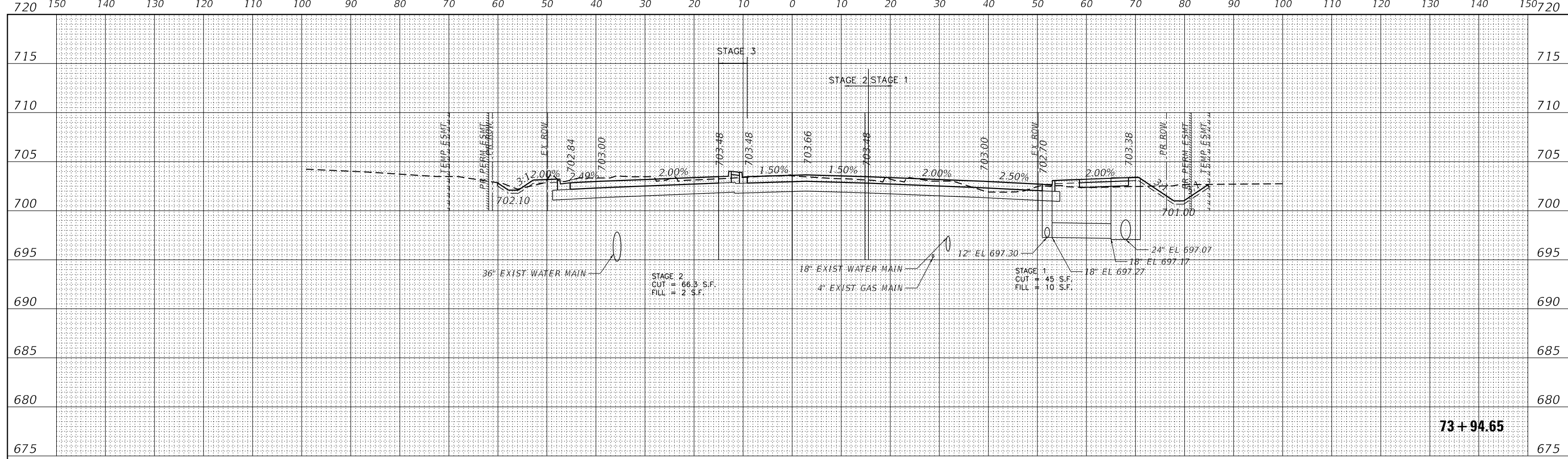
DATE	
BY	
FINISHED SURVEY	
NO. CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NO. CHECKED	

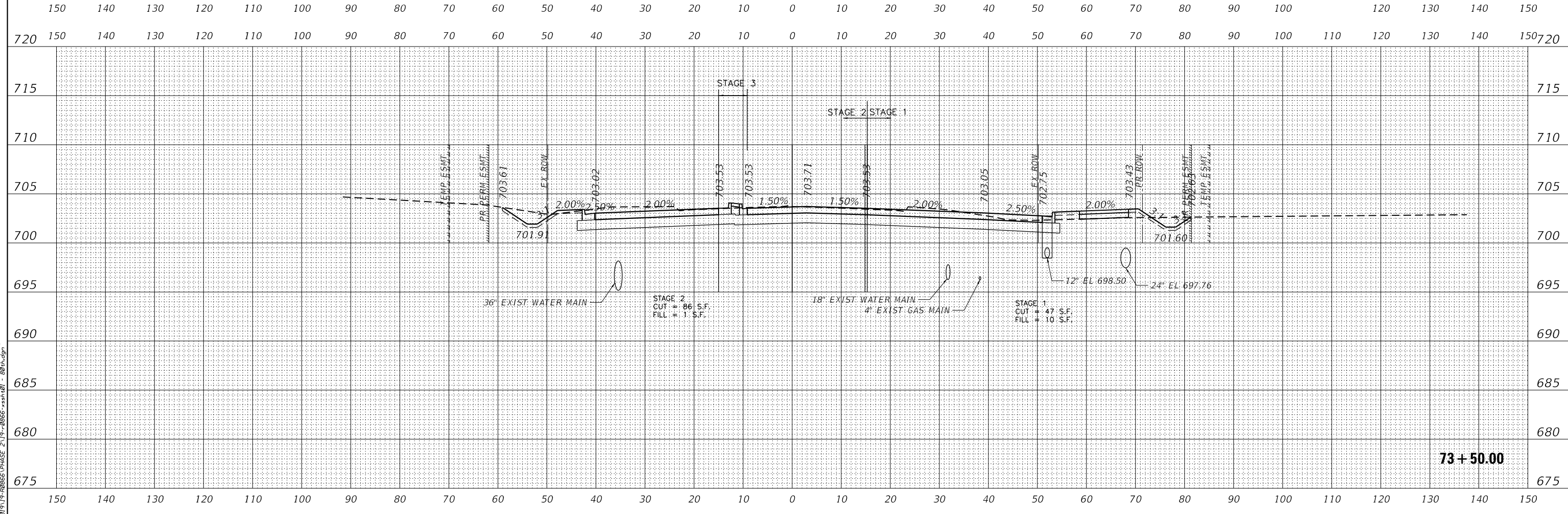
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	USER NAME = untitled	DESIGNED - EA	REVISED -	<b>WILL COUNTY</b> <b>DIVISION OF TRANSPORTATION</b>	<b>80TH AVENUE ROADWAY RECONSTRUCTION</b> <b>CROSS SECTIONS - 80TH AVENUE</b>		F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 248.0000' / ft.	CHECKED - EA	REVISED -		SCALE: 1"=20'H@10'V	SHEET OF SHEETS	STA. TO STA.	2755	06-00122-16-FP	WILL	1113
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								ILLINOIS FED. AID PROJECT			

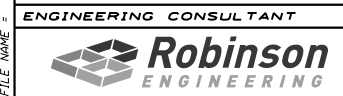
FINL	SURVEYED	DATE
SURVEY	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS	CHECKED
	AREAS	CHECKED



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



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USER NAME = untitled  
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 PLOT DATE = 2/26/2021

DESIGNED - EA  
 DRAWN - KWM  
 CHECKED - EA  
 DATE - 11/23/2020

**WILL COUNTY**  
**DIVISION OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

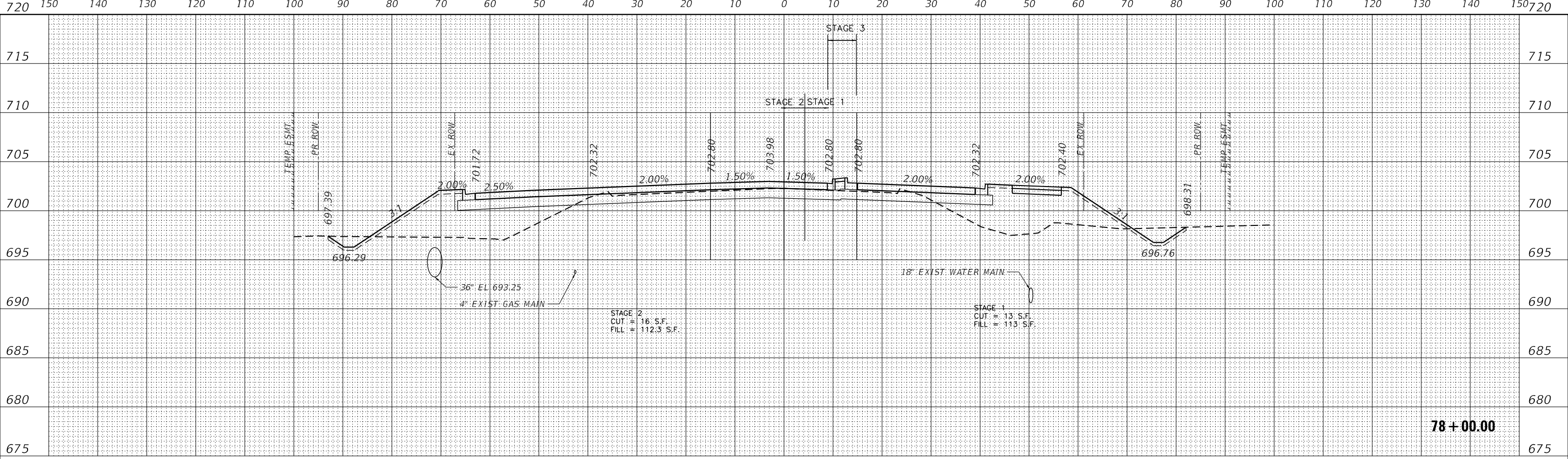
F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	851
CONTRACT NO.			61G73	
ILLINOIS FED. AID PROJECT				

SCALE: 1"=20'H@10"V SHEET OF SHEETS STA. TO STA.

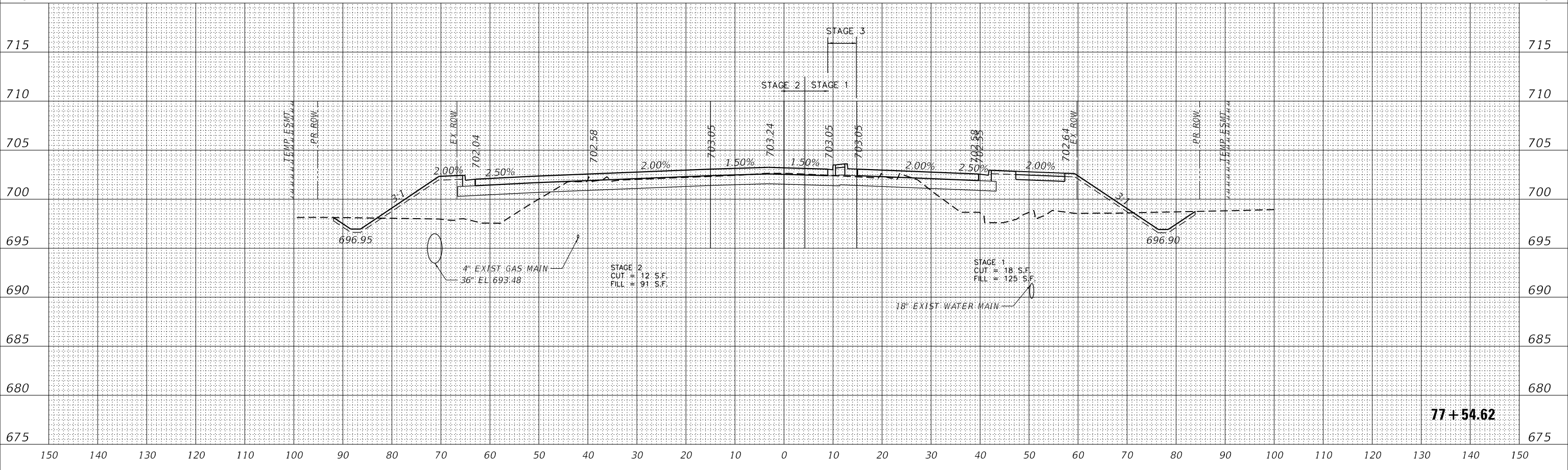
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FINISHED	SURVEYED
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NO.	NO.
NO.	NO.
NO.	NO.
NO.	NO.

BY	DATE
ORIGINAL	SURVEYED
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NO.	NO.
NO.	NO.
NO.	NO.
NO.	NO.

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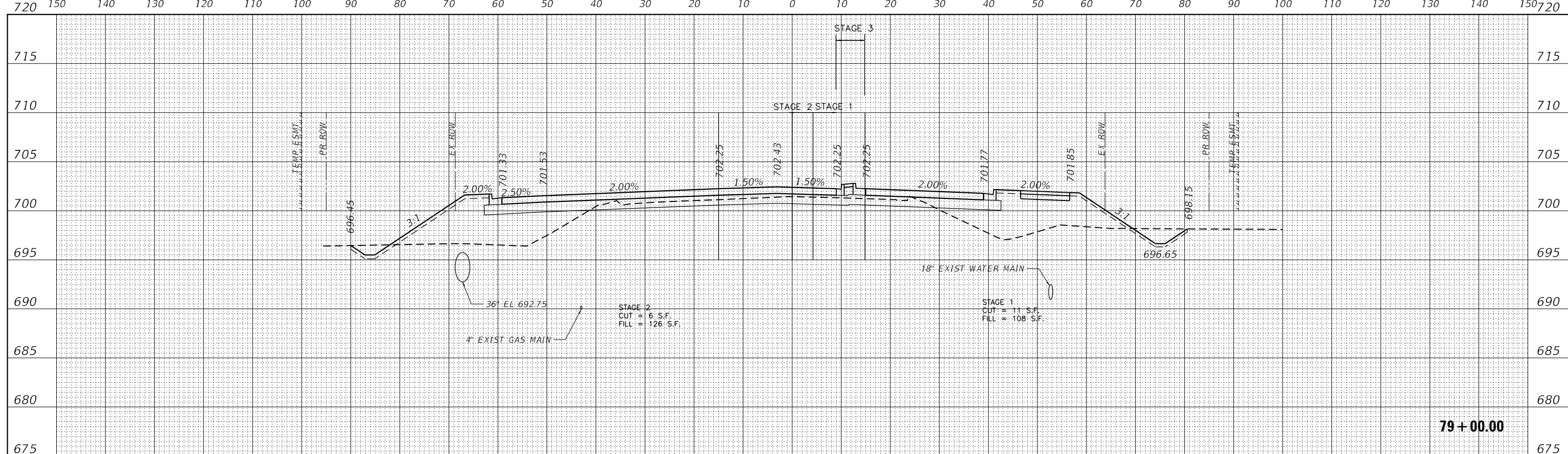
**78 + 00.00**



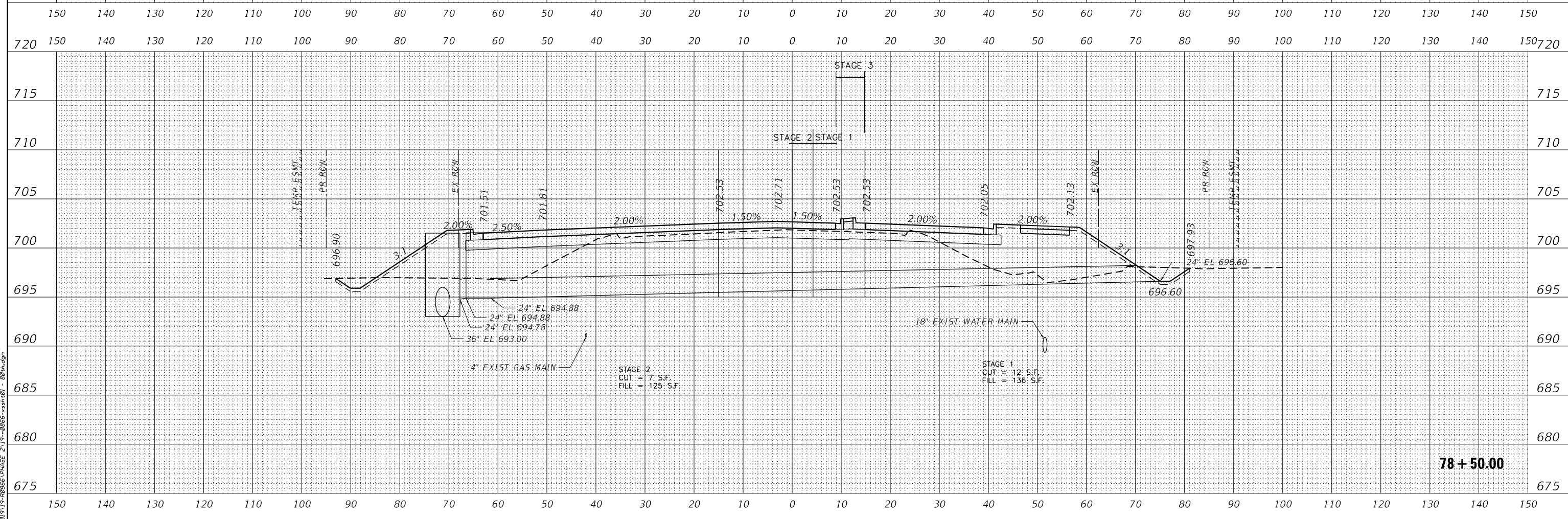
**77 + 54.62**

	USER NAME = untitled	DESIGNED - EA	REVISED -	<b>WILL COUNTY DIVISION OF TRANSPORTATION</b>	<b>80TH AVENUE ROADWAY RECONSTRUCTION CROSS SECTIONS - 80TH AVENUE</b>	F.A.U. RT.E. = 2755	SECTION = 06-00122-16-FP	COUNTY = WILL	TOTAL SHEETS = 1113	SHEET NO. = 852	
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PLOT DATE = 2/26/2021	DATE = 11/23/2020	REVISED -	ILLINOIS FED. AID PROJECT								

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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NO.	



DATE PLOTTED = 2/26/2021 11:52:46 AM  
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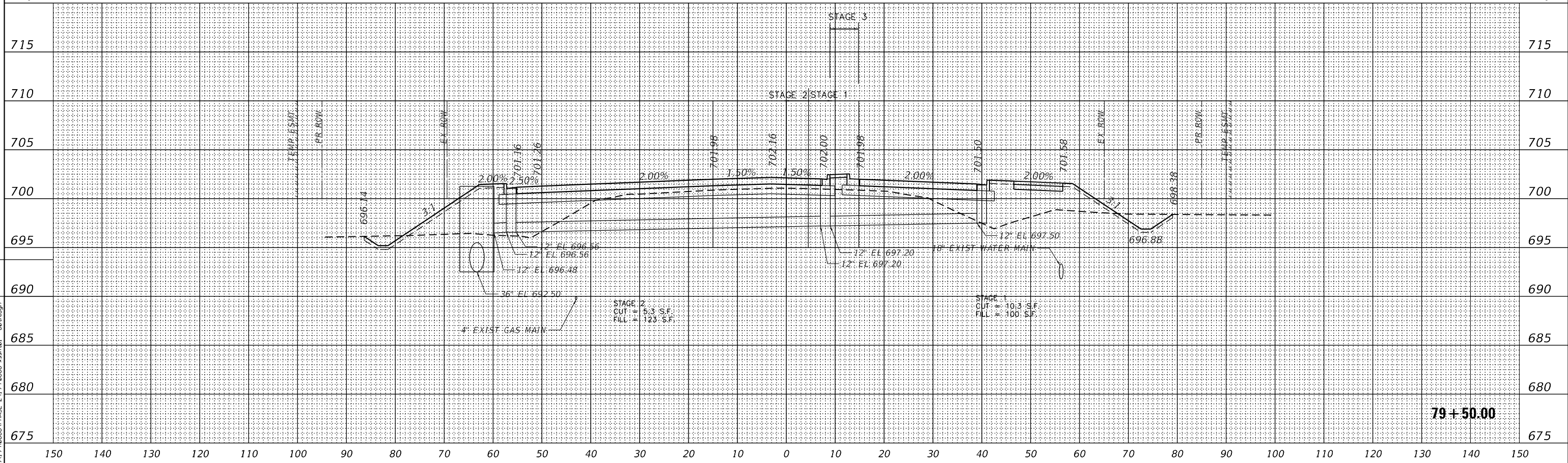
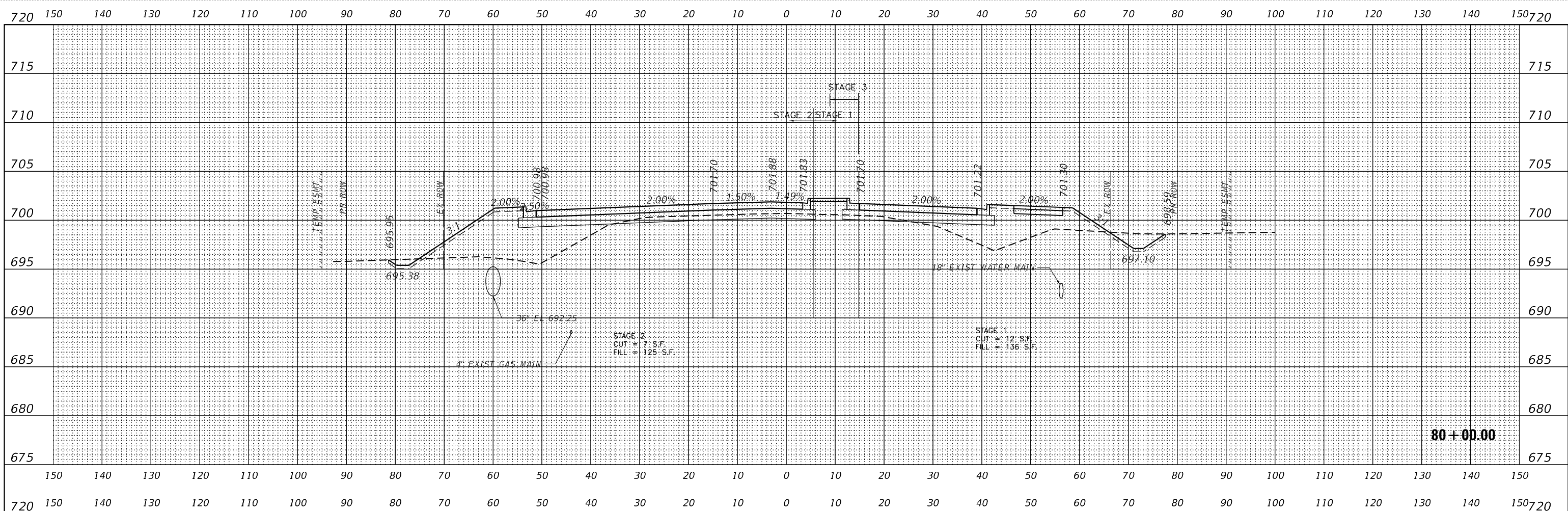


USER NAME =	untitled
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DRAWN -	KWM
CHECKED -	EA
DATE -	11/23/2020
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	

**WILL COUNTY  
DIVISION OF TRANSPORTATION**

<b>80TH AVENUE ROADWAY RECONSTRUCTION CROSS SECTIONS - 80TH AVENUE</b>			
SCALE: 1"=20'H@10"V	SHEET	OF	SHEETS
STA.			TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	853
CONTRACT NO.				61G73
ILLINOIS FED. AID PROJECT				



BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

DATE PLOTTED = 2/26/2021 11:52:46 AM  
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USER NAME = untitled  
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 CHECKED - EA  
 DATE - 11/23/2020

REVISED -  
 REVISED -  
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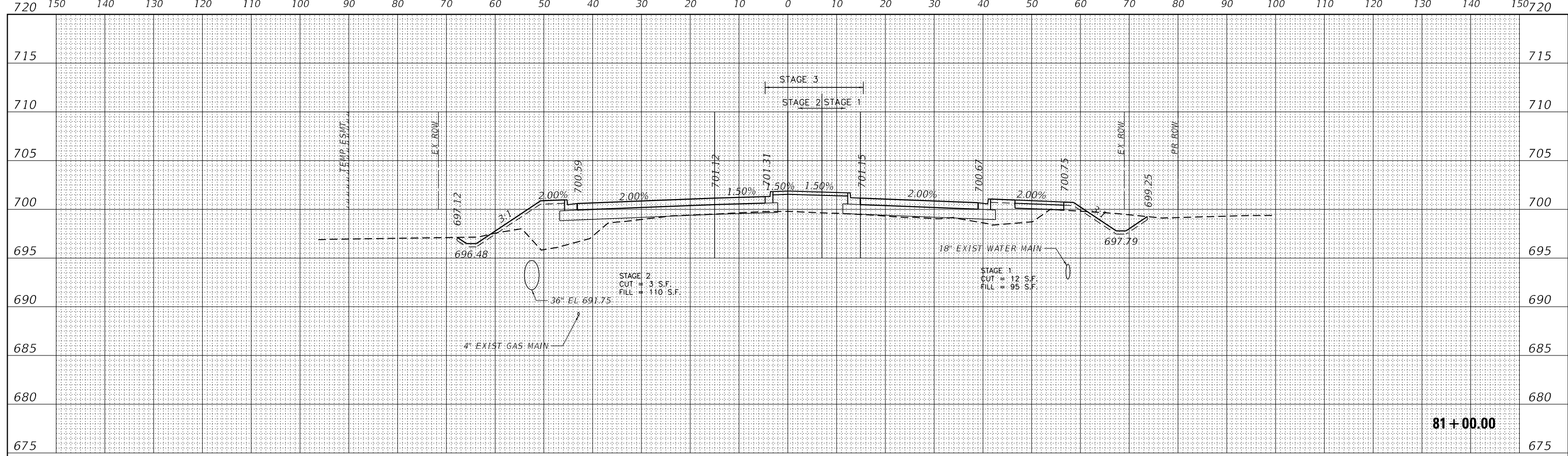
**WILL COUNTY**  
**DIVISION OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

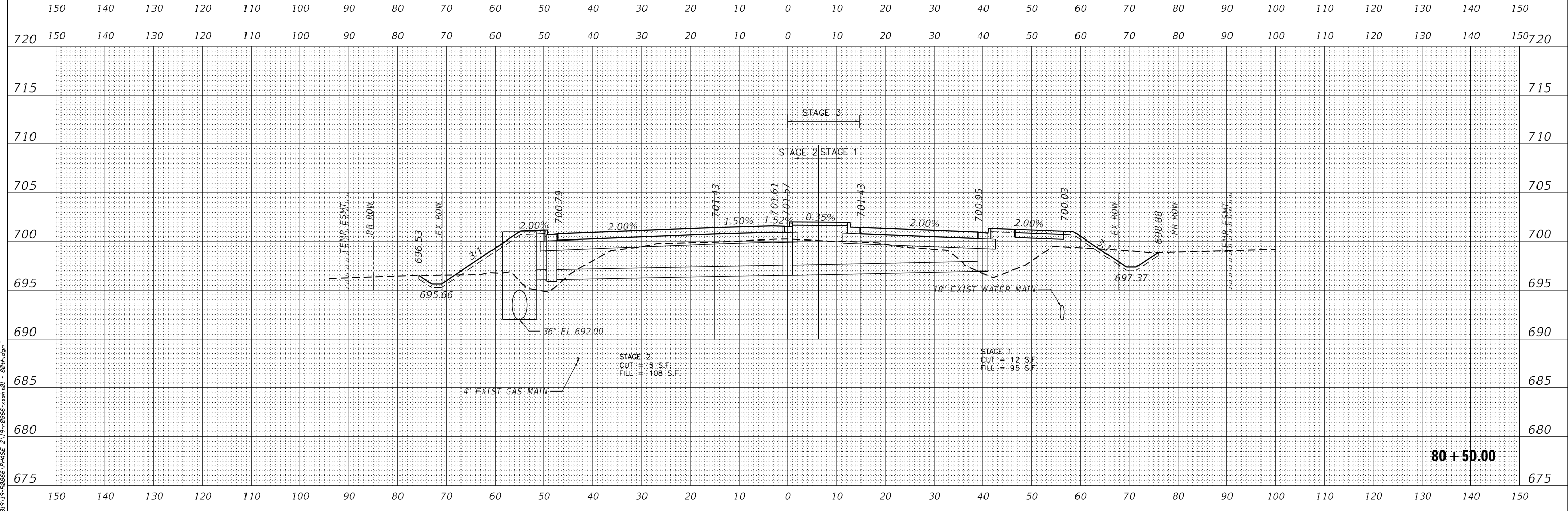
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	854
CONTRACT NO.			61G73	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
AREAS CHECKED	
NO.	



DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
AREAS CHECKED	
NO.	



DATE PLOTTED = 2/26/2021 11:52:47 AM  
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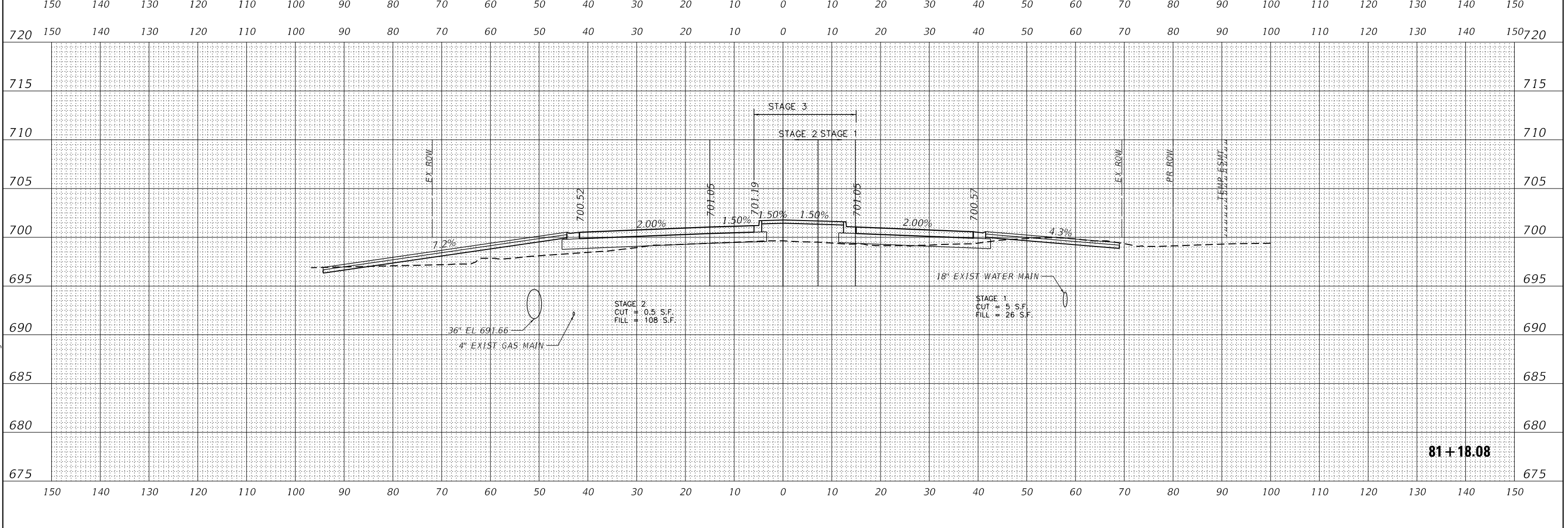
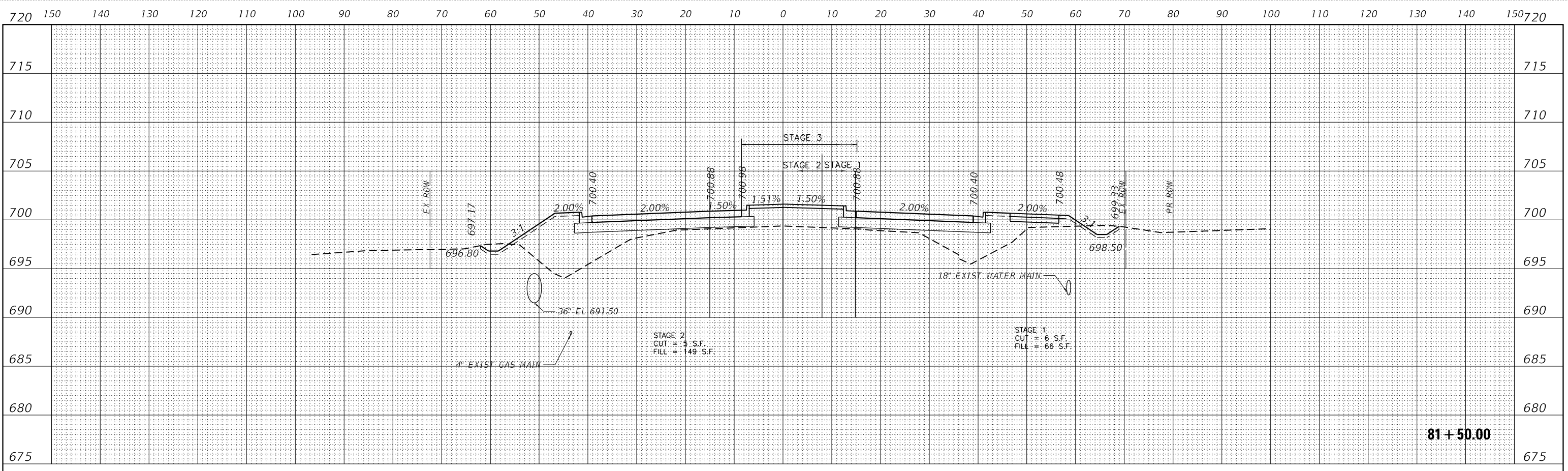
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DESIGNED -	EA
DRAWN -	KWM
CHECKED -	EA
DATE -	11/23/2020
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	

**WILL COUNTY  
 DIVISION OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1"=20'H:10"V SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	855
CONTRACT NO.			61G73	
ILLINOIS FED. AID PROJECT				



DATE	
BY	
FINISHED SURVEY	
NOTED	
NO. OF SHEETS	
NO. OF AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
NO. OF SHEETS	
NO. OF AREAS CHECKED	

DATE PLOTTED = 2/26/2021 11:52:47 AM  
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**ENGINEERING CONSULTANT**

USER NAME = untitled  
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 PLOT DATE = 2/26/2021

DESIGNED - EA  
 DRAWN - KWM  
 CHECKED - EA  
 DATE - 11/23/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

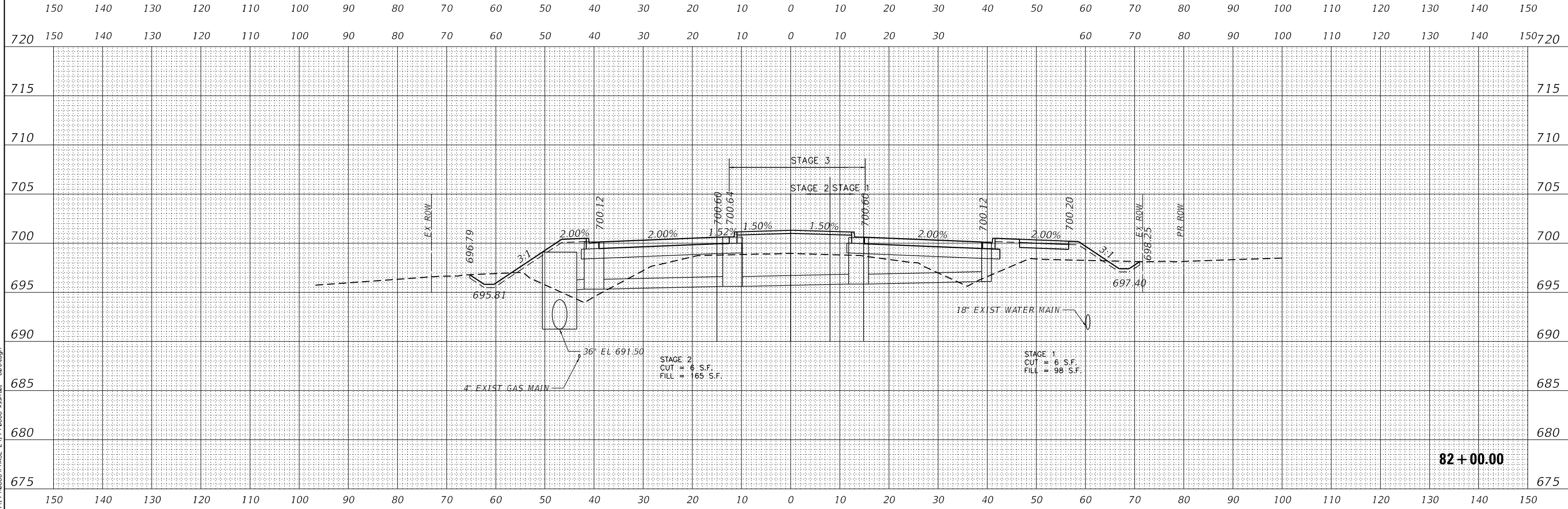
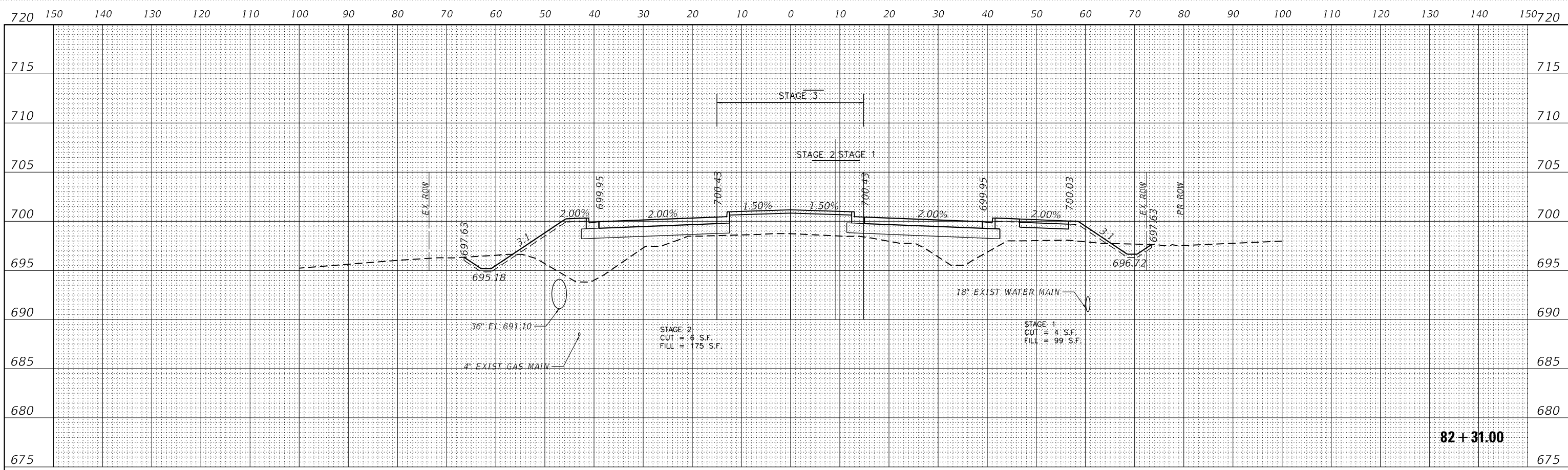
**WILL COUNTY  
 DIVISION OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1"=20'H@10'V SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	856
CONTRACT NO.			61G73	
ILLINOIS FED. AID PROJECT				





DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
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DESIGNED -	EA
REVISOR -	
DRAWN -	KWM
REVISOR -	
CHECKED -	EA
REVISOR -	
DATE -	11/23/2020
REVISOR -	

WILL COUNTY  
DIVISION OF TRANSPORTATION

80TH AVENUE ROADWAY RECONSTRUCTION  
CROSS SECTIONS - 80TH AVENUE

SCALE: 1"=20'H@10"V SHEET OF SHEETS STA. TO STA.


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	857
CONTRACT NO.			61G73	
ILLINOIS FED. AID PROJECT				


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FINAL SURVEY	
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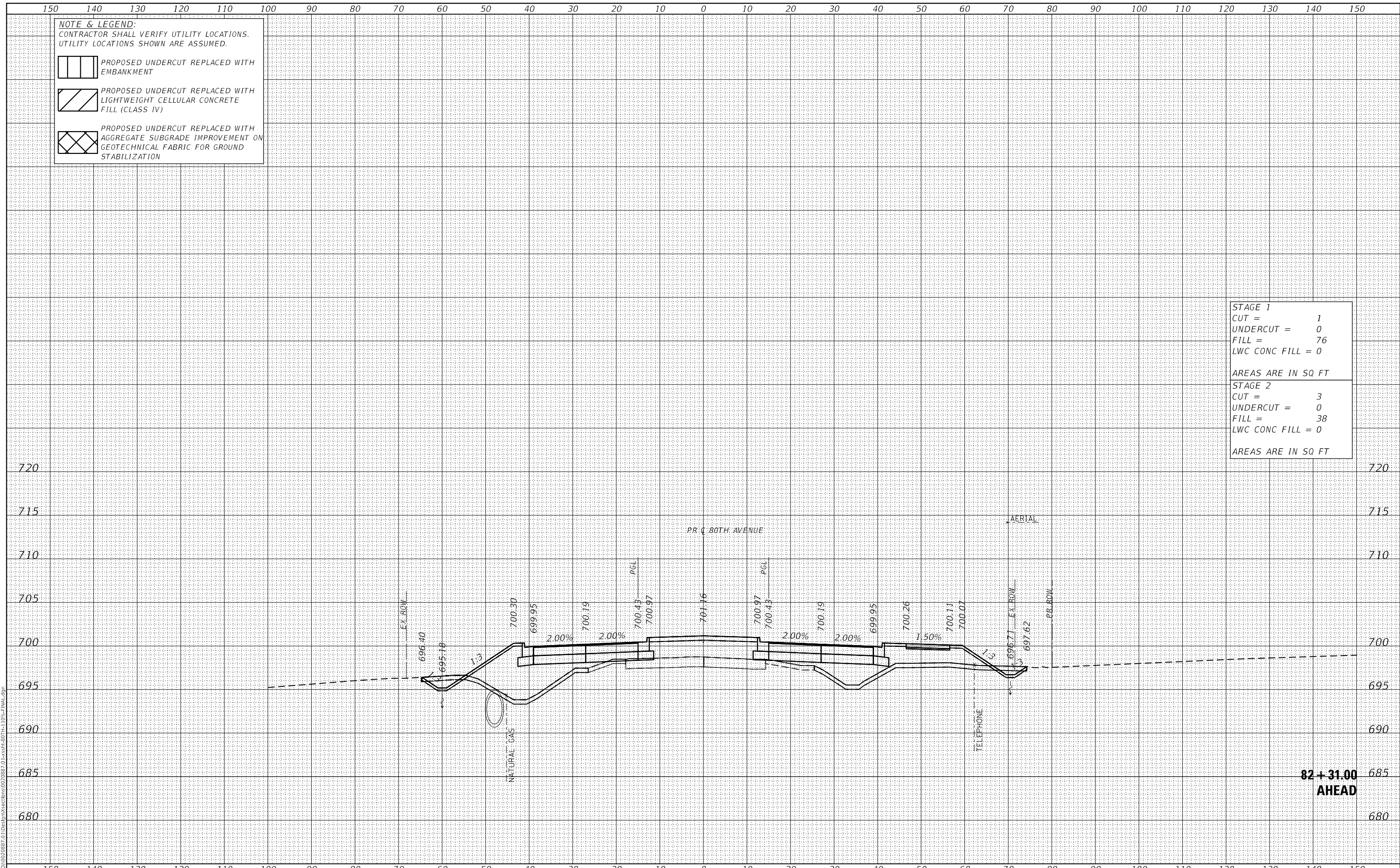
**NOTE & LEGEND:**  
 CONTRACTOR SHALL VERIFY UTILITY LOCATIONS.  
 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	1
UNDERCUT =	0
FILL =	76
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	3
UNDERCUT =	0
FILL =	38
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20,0000' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE

SCALE: 1" = 10' SHEET OF SHEETS STA. 82+31.00 TO STA. 82+31.00


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	858
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		


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FINAL SURVEY	
NOTE BOOK	
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NOTE BOOK	
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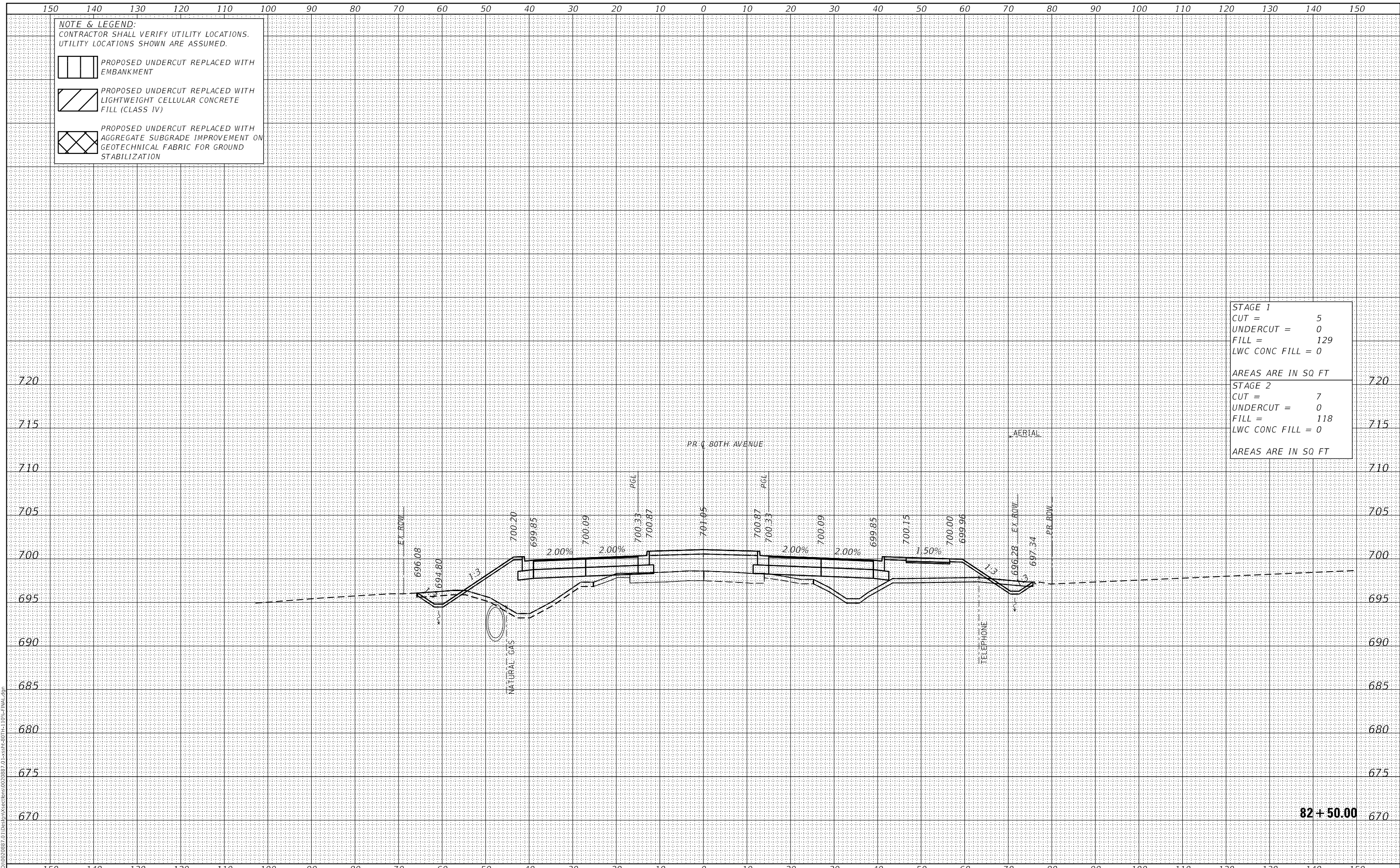
**NOTE & LEGEND:**  
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 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	5
UNDERCUT =	0
FILL =	129
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	7
UNDERCUT =	0
FILL =	118
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



82 + 50.00



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20,000.00' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE

SCALE: 1" = 10' SHEET OF SHEETS STA. 82+50.00 TO STA. 82+50.00


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	859
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		


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FINAL SURVEY	
NOTE BOOK	
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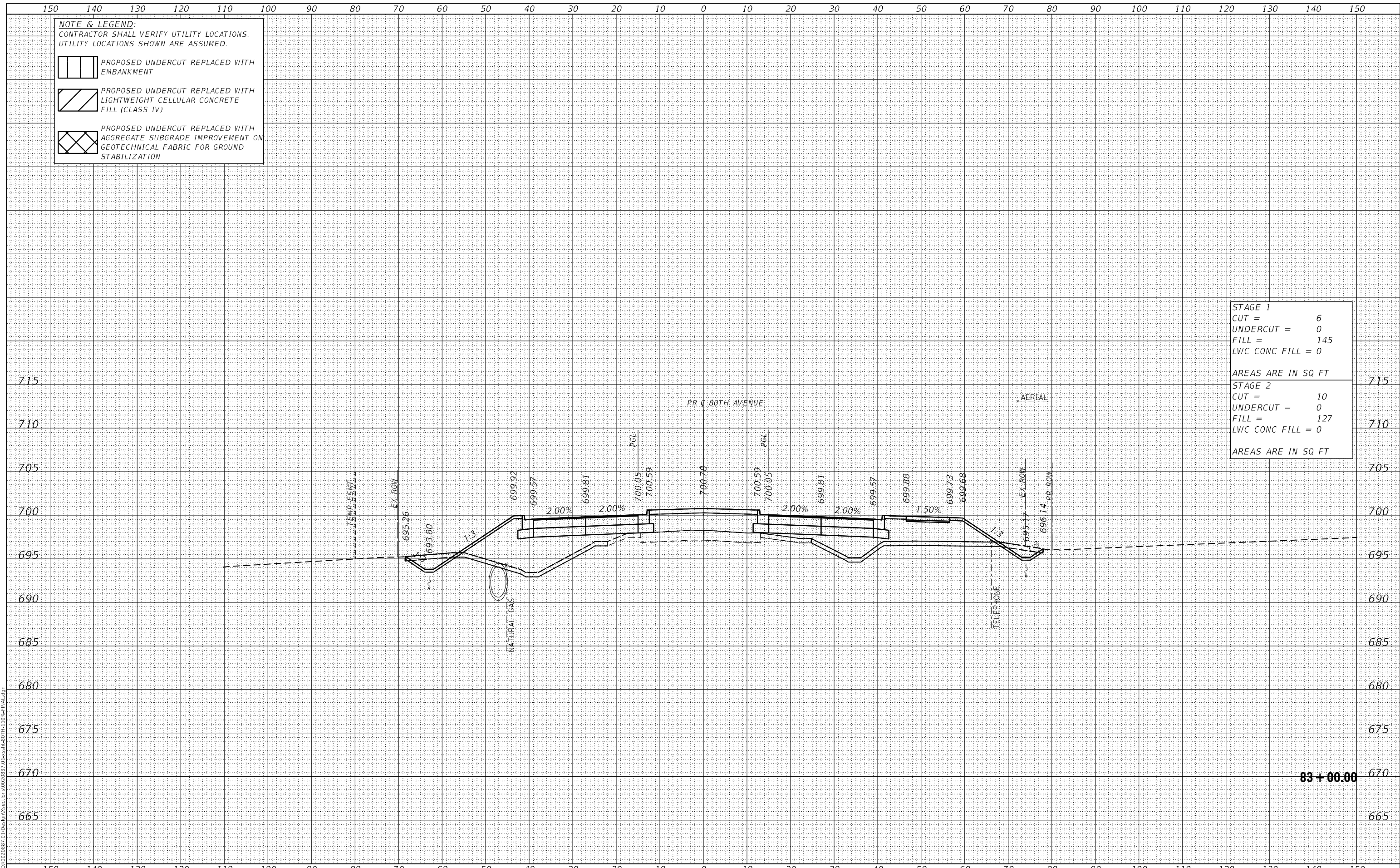
**NOTE & LEGEND:**  
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 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	6
UNDERCUT =	0
FILL =	145
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	10
UNDERCUT =	0
FILL =	127
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**83 + 00.00**



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20,000% / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/3/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 83+00.00 TO STA. 83+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	860
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		

DATE	
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PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
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AREAS CHECKED	

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NOTE BOOK	
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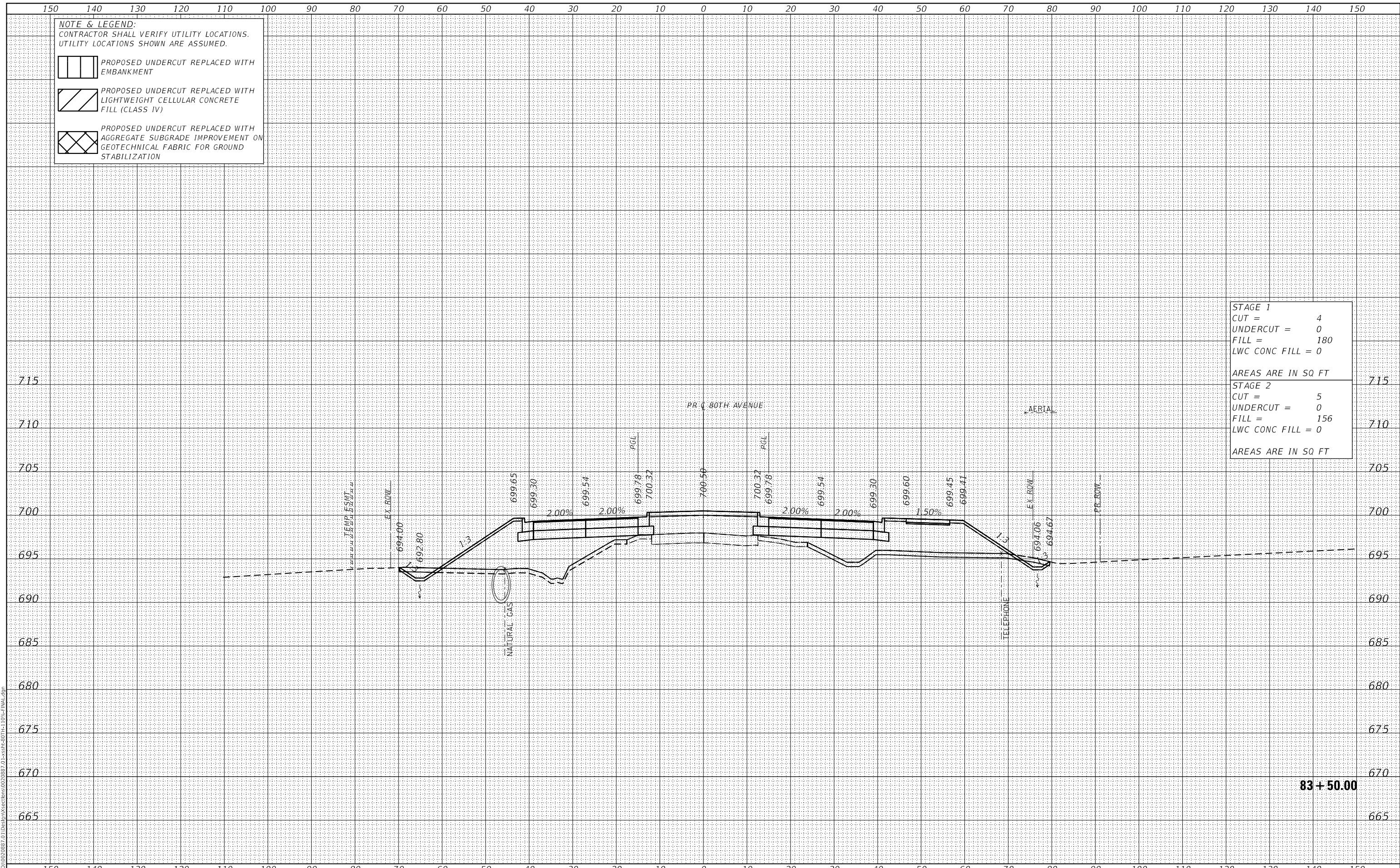
**NOTE & LEGEND:**  
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PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	4
UNDERCUT =	0
FILL =	180
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	5
UNDERCUT =	0
FILL =	156
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**83 + 50.00**



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20,0000 ' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/3/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 83+50.00 TO STA. 83+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	861
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		

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

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

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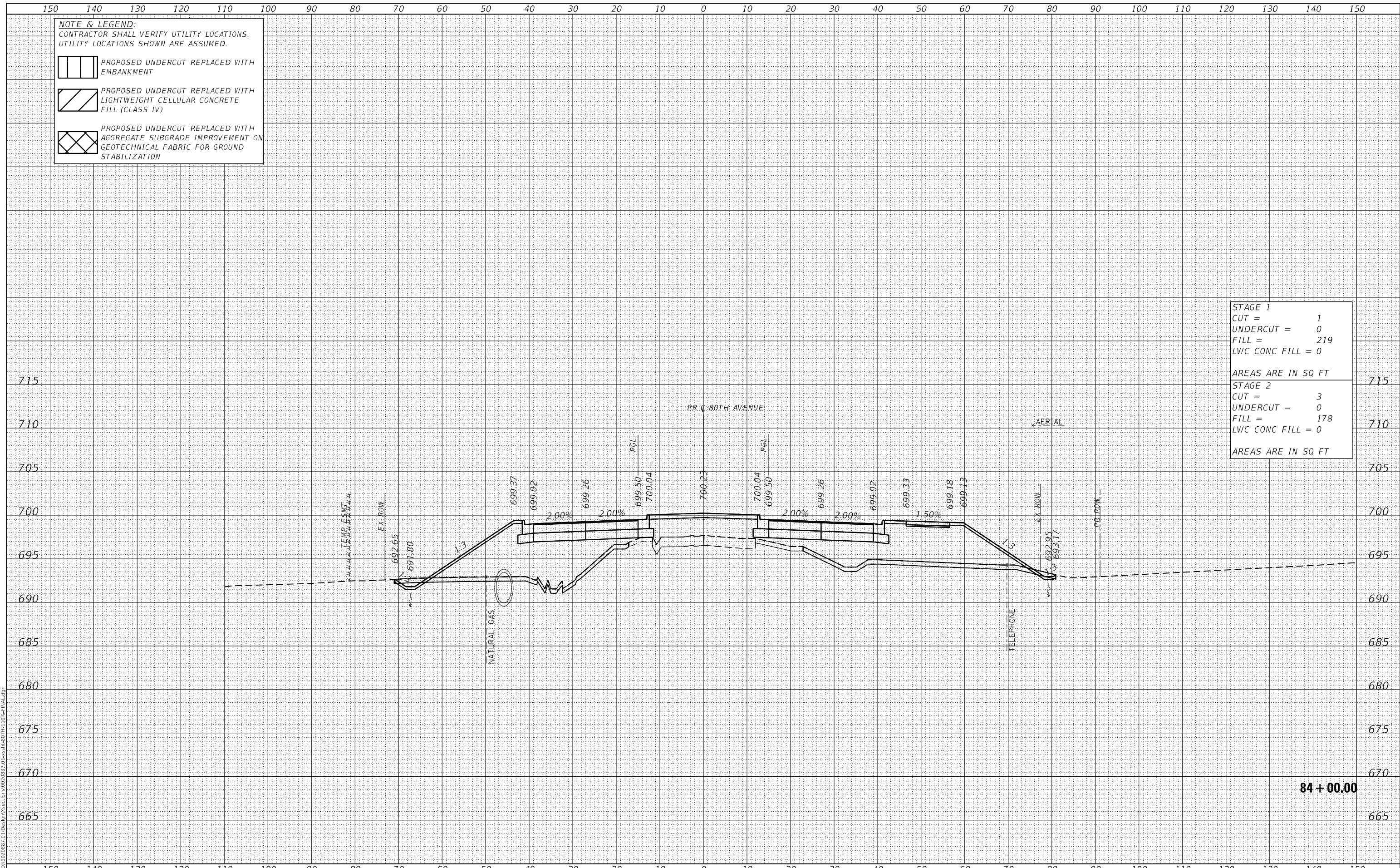
**NOTE & LEGEND:**  
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PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	1
UNDERCUT =	0
FILL =	219
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	3
UNDERCUT =	0
FILL =	178
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**84 + 00.00**



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20,000.00' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/3/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 84+00.00 TO STA. 84+00.00


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	862
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		


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NOTE BOOK	
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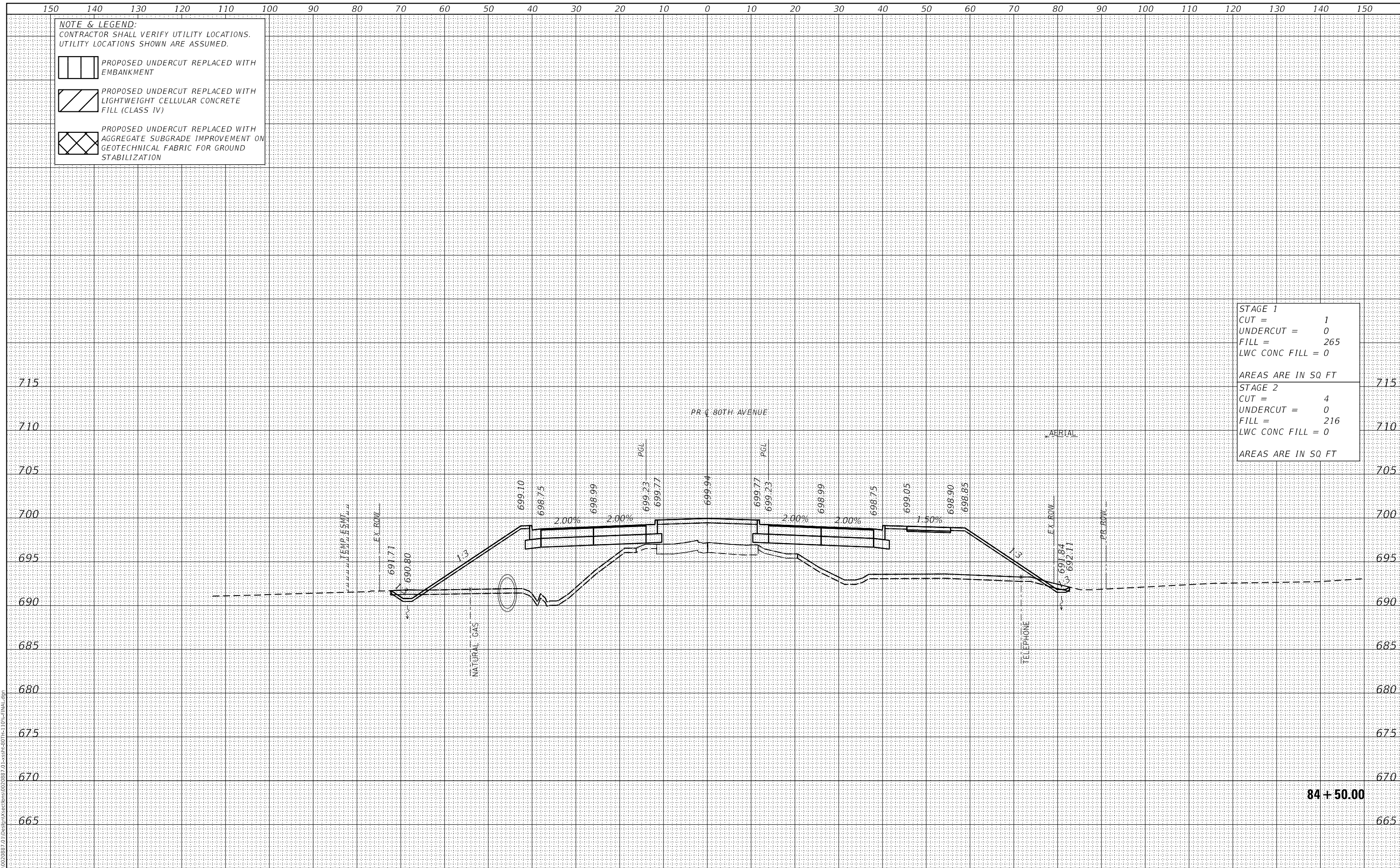
**NOTE & LEGEND:**  
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 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	1
UNDERCUT =	0
FILL =	265
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	4
UNDERCUT =	0
FILL =	216
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**84 + 50.00**



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
		CHECKED -	DJO	REVISED -	
		DATE -	3/3/2021	REVISED -	
PLOT SCALE =	20,000 " / in.				
PLOT DATE =	3/30/2021				

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

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 84+50.00 TO STA. 84+50.00


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	863
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		


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NOTE BOOK	
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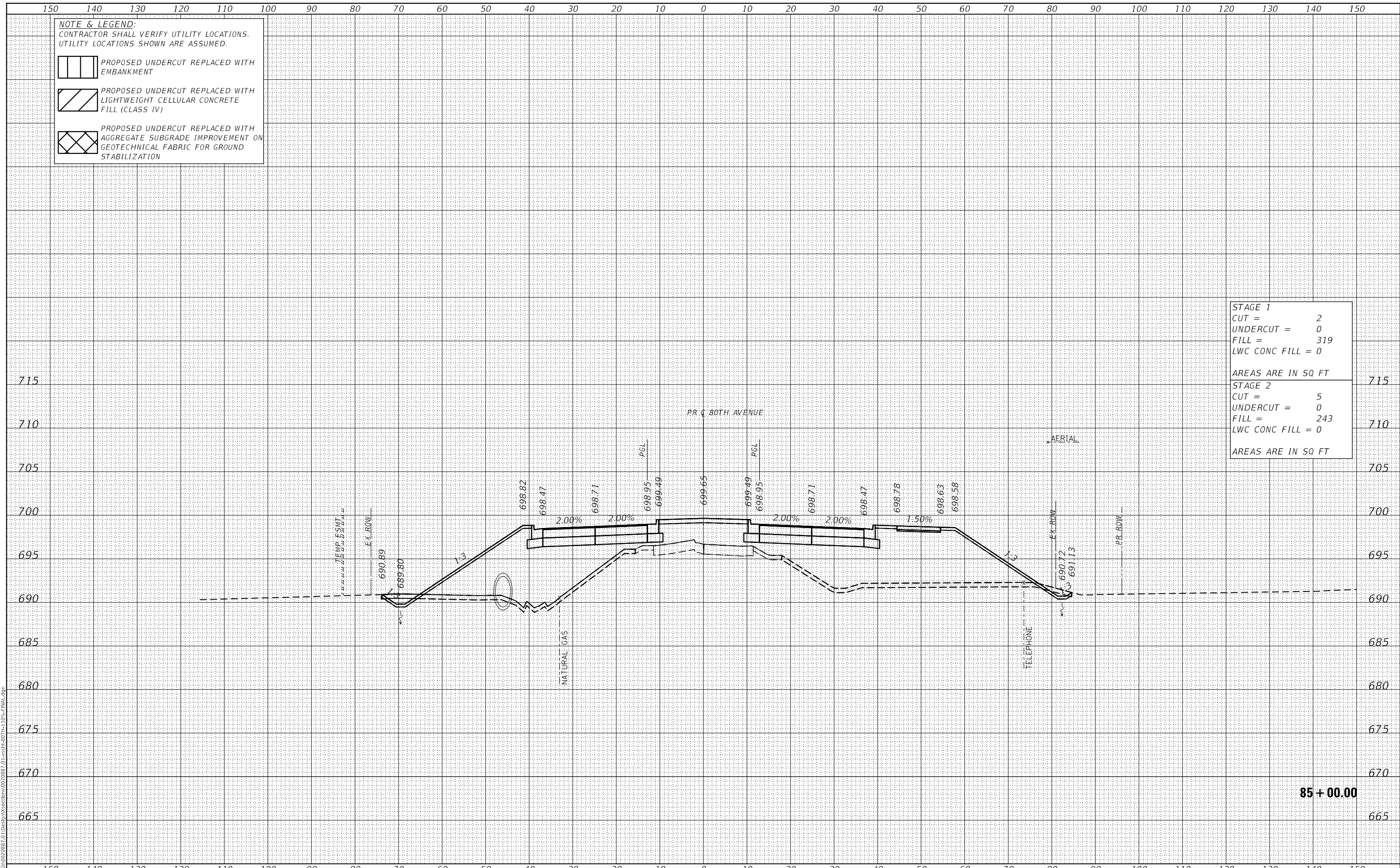
**NOTE & LEGEND:**  
 CONTRACTOR SHALL VERIFY UTILITY LOCATIONS.  
 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	2
UNDERCUT =	0
FILL =	319
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	5
UNDERCUT =	0
FILL =	243
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**85 + 00.00**



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20,000.00' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 85+00.00 TO STA. 85+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	864
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		





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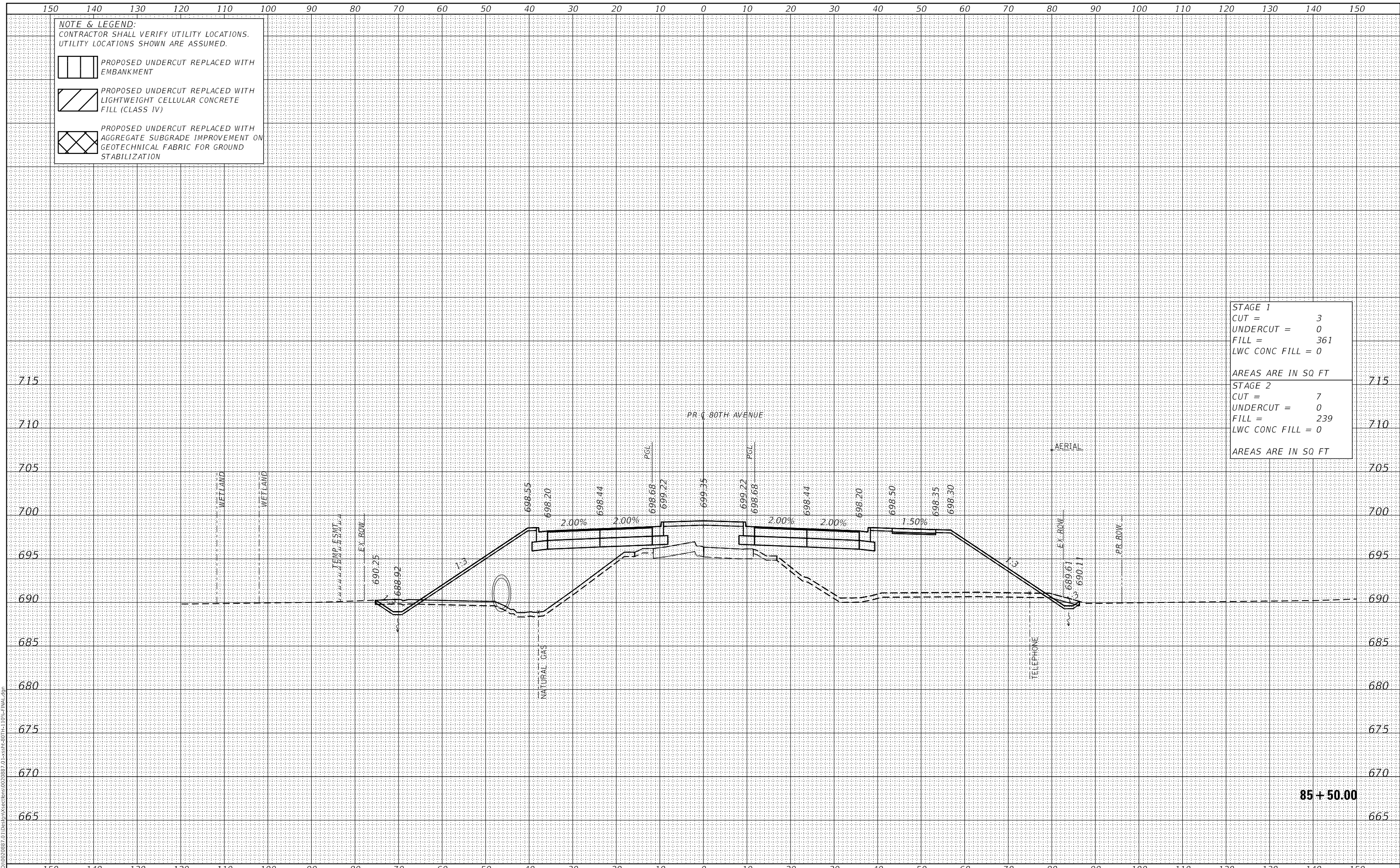
**NOTE & LEGEND:**  
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 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	3
UNDERCUT =	0
FILL =	361
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	7
UNDERCUT =	0
FILL =	239
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**85 + 50.00**

**CiorbaGroup**  
 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631  
 P 773.775.4009 | www.ciorba.com

USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20,000.00' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

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

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 85+50.00 TO STA. 85+50.00


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	865
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		


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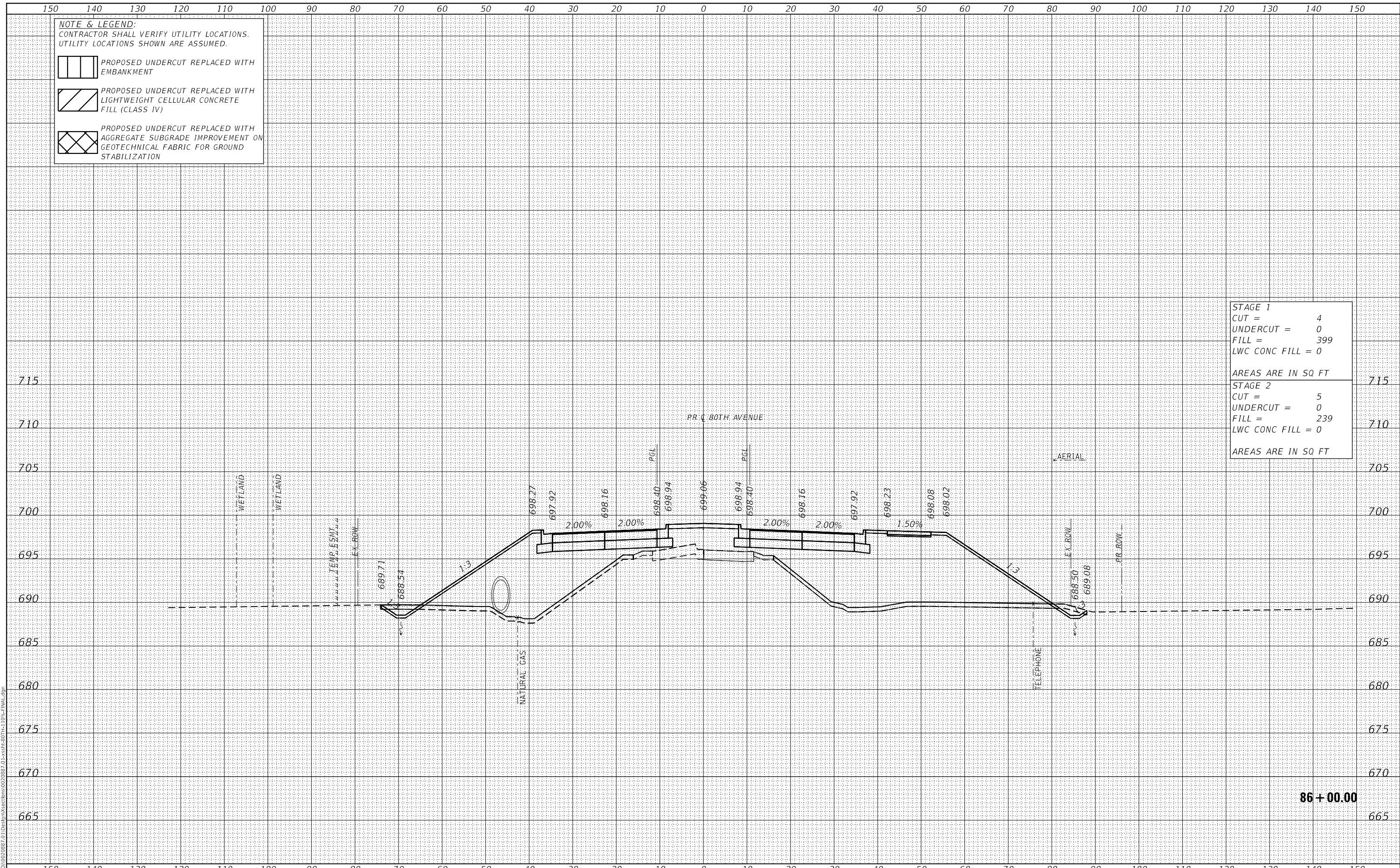
**NOTE & LEGEND:**  
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 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	4
UNDERCUT =	0
FILL =	399
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	5
UNDERCUT =	0
FILL =	239
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



DATE PLOTTED = 3/30/2021 11:30:56 AM	USER NAME = Roadway	DESIGNED - JPA	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>80TH AVENUE ROADWAY RECONSTRUCTION</b> <b>CROSS SECTIONS - 80TH AVENUE</b>	F.A.U. RTE. = 2755	SECTION = 06-00122-16-FP	COUNTY = WILL	TOTAL SHEETS = 1113	SHEET NO. = 866			
PEN TABLE = R:\Proj\0020887\01\0020887\01.dwg	PLOT SCALE = 20,000.00' / in.	DRAWN - JPA	REVISED -			SCALE: 1" = 10'	SHEET OF SHEETS	STA. 86+00.00	TO STA. 86+00.00	CONTRACT NO. 61G73			
PLOT CONFIG = CG-PDF.plt	PLOT DATE = 3/30/2021	CHECKED - DJO	REVISED -			ILLINOIS FED. AID PROJECT							
MODEL: SPODELMAMES		DATE - 3/30/2021	REVISED -										


**CiorbaGroup**  
 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631  
 P 773.775.4009 | www.ciorba.com


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


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

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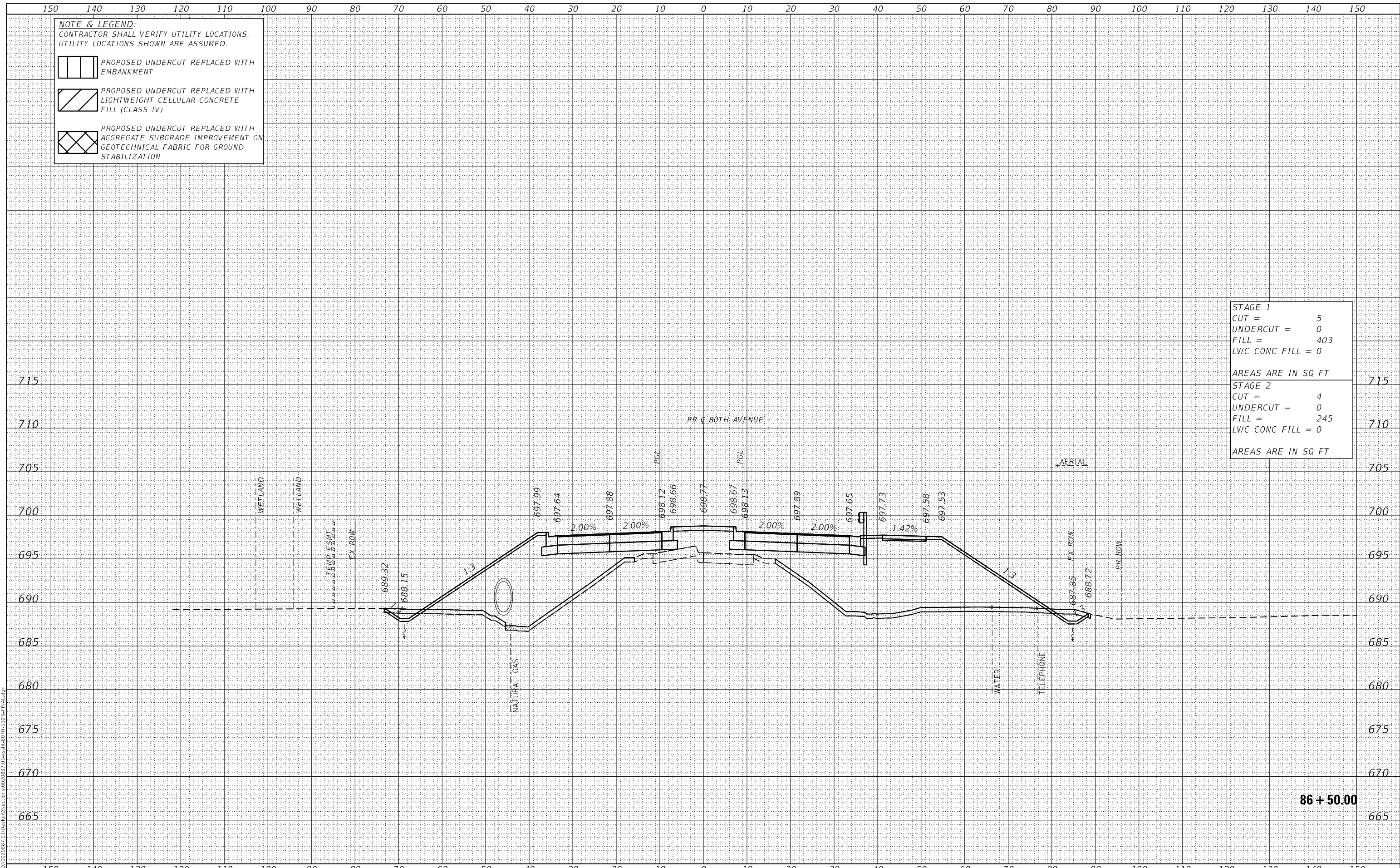
**NOTE & LEGEND:**  
 CONTRACTOR SHALL VERIFY UTILITY LOCATIONS.  
 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	5
UNDERCUT =	0
FILL =	403
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	4
UNDERCUT =	0
FILL =	245
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



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USER NAME = Roadway	DESIGNED - JPA	REVISED -
	DRAWN - JPA	REVISED -
PLOT SCALE = 20,0000' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 3/30/2021	DATE - 3/30/2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 86+50.00 TO STA. 86+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	867
CONTRACT NO.				61G73
ILLINOIS		FED. AID PROJECT		

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

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

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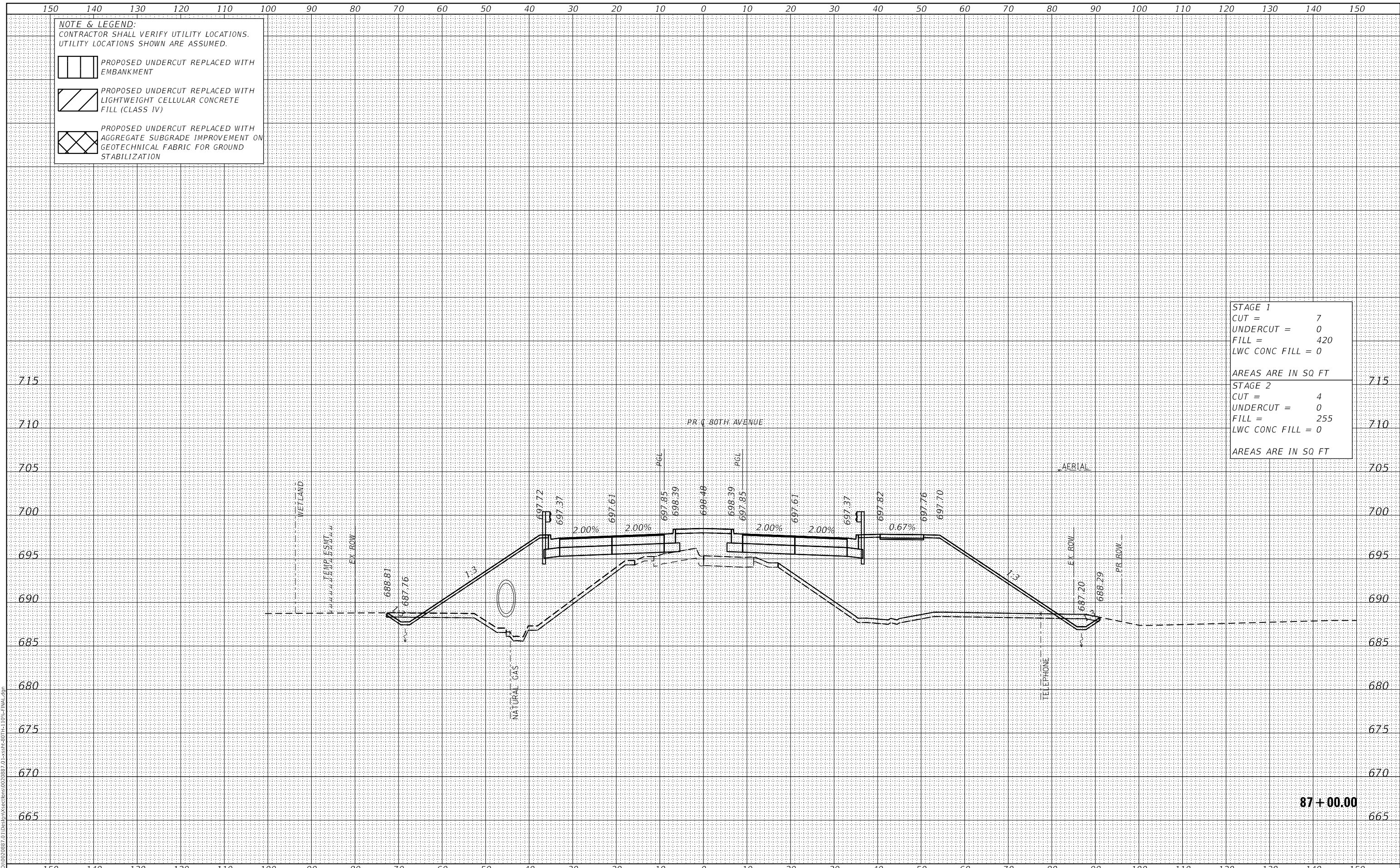
**NOTE & LEGEND:**  
 CONTRACTOR SHALL VERIFY UTILITY LOCATIONS.  
 UTILITY LOCATIONS SHOWN ARE ASSUMED.

PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	7
UNDERCUT =	0
FILL =	420
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	4
UNDERCUT =	0
FILL =	255
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



<p>8725 W. Higgins Rd, Ste 600, Chicago, IL 60631        P 773.775.4009   www.ciorba.com</p>	USER NAME = Roadway PLOT SCALE = 20,000.00' / in. PLOT DATE = 3/30/2021	DESIGNED - JPA DRAWN - JPA CHECKED - DJO DATE - 3/30/2021	REVISED - REVISED - REVISED - REVISED -	<p align="center"><b>STATE OF ILLINOIS</b>  <b>DEPARTMENT OF TRANSPORTATION</b></p>	<p align="center"><b>80TH AVENUE ROADWAY RECONSTRUCTION</b>  <b>CROSS SECTIONS - 80TH AVENUE</b></p>	SCALE: 1" = 10' SHEET OF SHEETS STA. 87+00.00 TO STA. 87+00.00	F.A.U. RTE. 2755 SECTION 06-00122-16-FP COUNTY WILL CONTRACT NO. 61G73	TOTAL SHEETS 1113 SHEET NO. 868 ILLINOIS FED. AID PROJECT
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DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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

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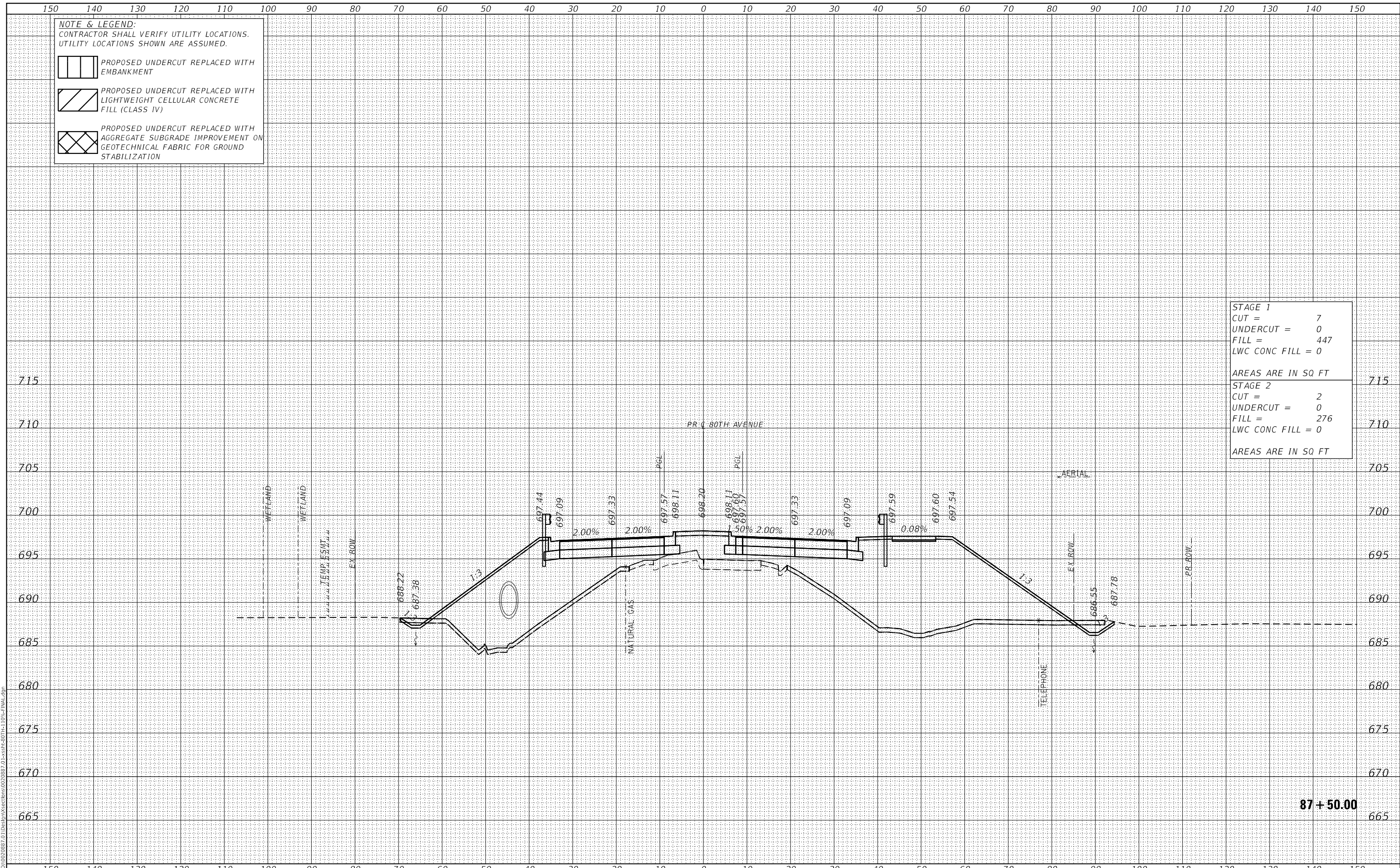
**NOTE & LEGEND:**  
 CONTRACTOR SHALL VERIFY UTILITY LOCATIONS.  
 UTILITY LOCATIONS SHOWN ARE ASSUMED.

PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	7
UNDERCUT =	0
FILL =	447
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	2
UNDERCUT =	0
FILL =	276
LWC CONC FILL =	0
AREAS ARE IN SQ FT	




 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009   www.ciorba.com	USER NAME = Roadway PLOT SCALE = 20,000.00' / in. PLOT DATE = 3/30/2021	DESIGNED - JPA DRAWN - JPA CHECKED - DJO DATE - 3/30/2021	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>80TH AVENUE ROADWAY RECONSTRUCTION</b> <b>CROSS SECTIONS - 80TH AVENUE</b> SCALE: 1" = 10' SHEET OF SHEETS STA. 87+50.00 TO STA. 87+50.00	F.A.U. RTE. 2755 SECTION 06-00122-16-FP COUNTY WILL TOTAL SHEETS 1113 SHEET NO. 869 CONTRACT NO. 61G73 ILLINOIS FED. AID PROJECT
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
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED


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

DATE PLOTTED = 3/30/2021 11:30:57 AM  
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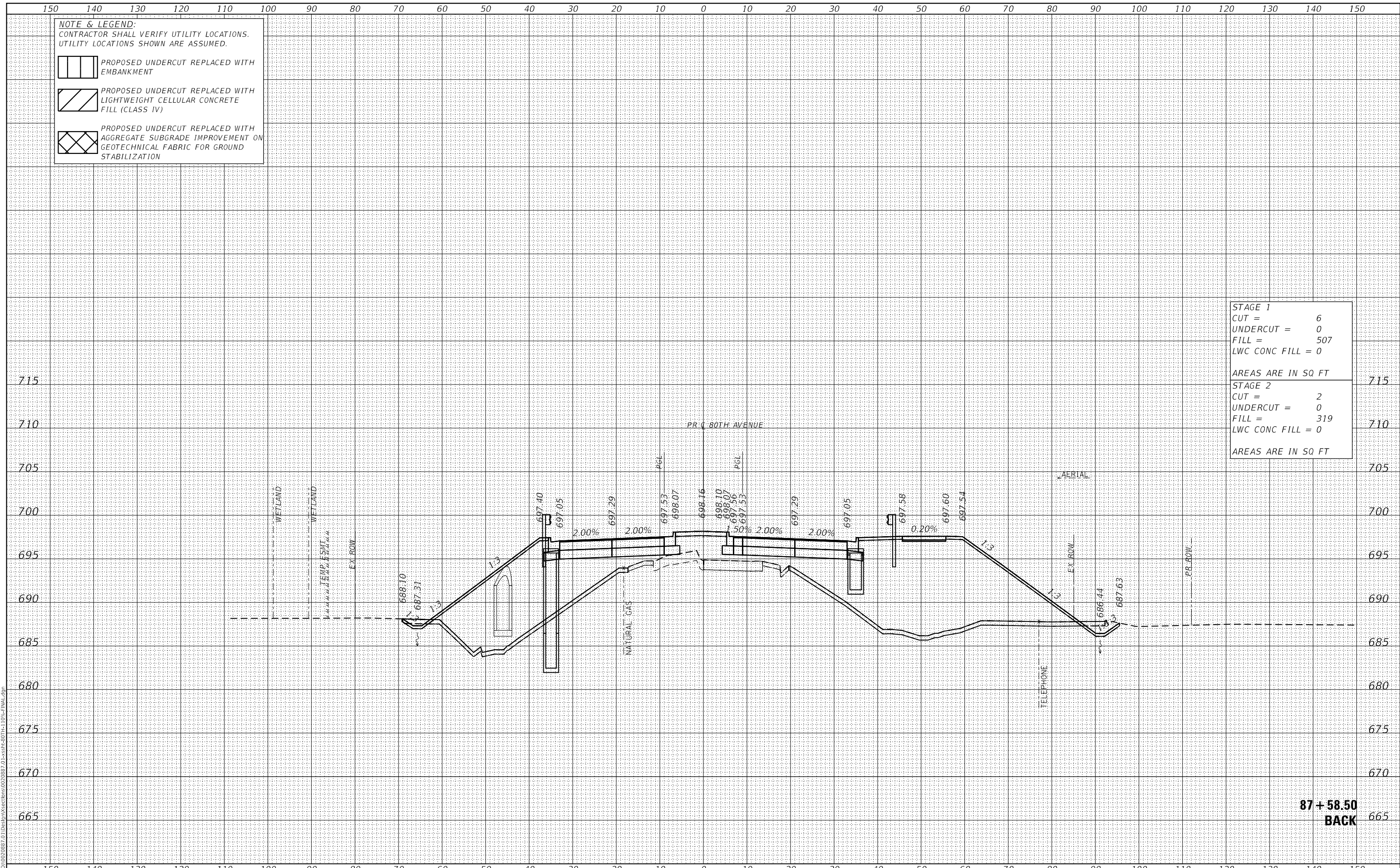
**NOTE & LEGEND:**  
 CONTRACTOR SHALL VERIFY UTILITY LOCATIONS.  
 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	6
UNDERCUT =	0
FILL =	507
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	2
UNDERCUT =	0
FILL =	319
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**87 + 58.50  
 BACK**



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 87+58.50 TO STA. 87+58.50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	870
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		

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

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

DATE PLOTTED = 3/30/2021 11:30:57 AM  
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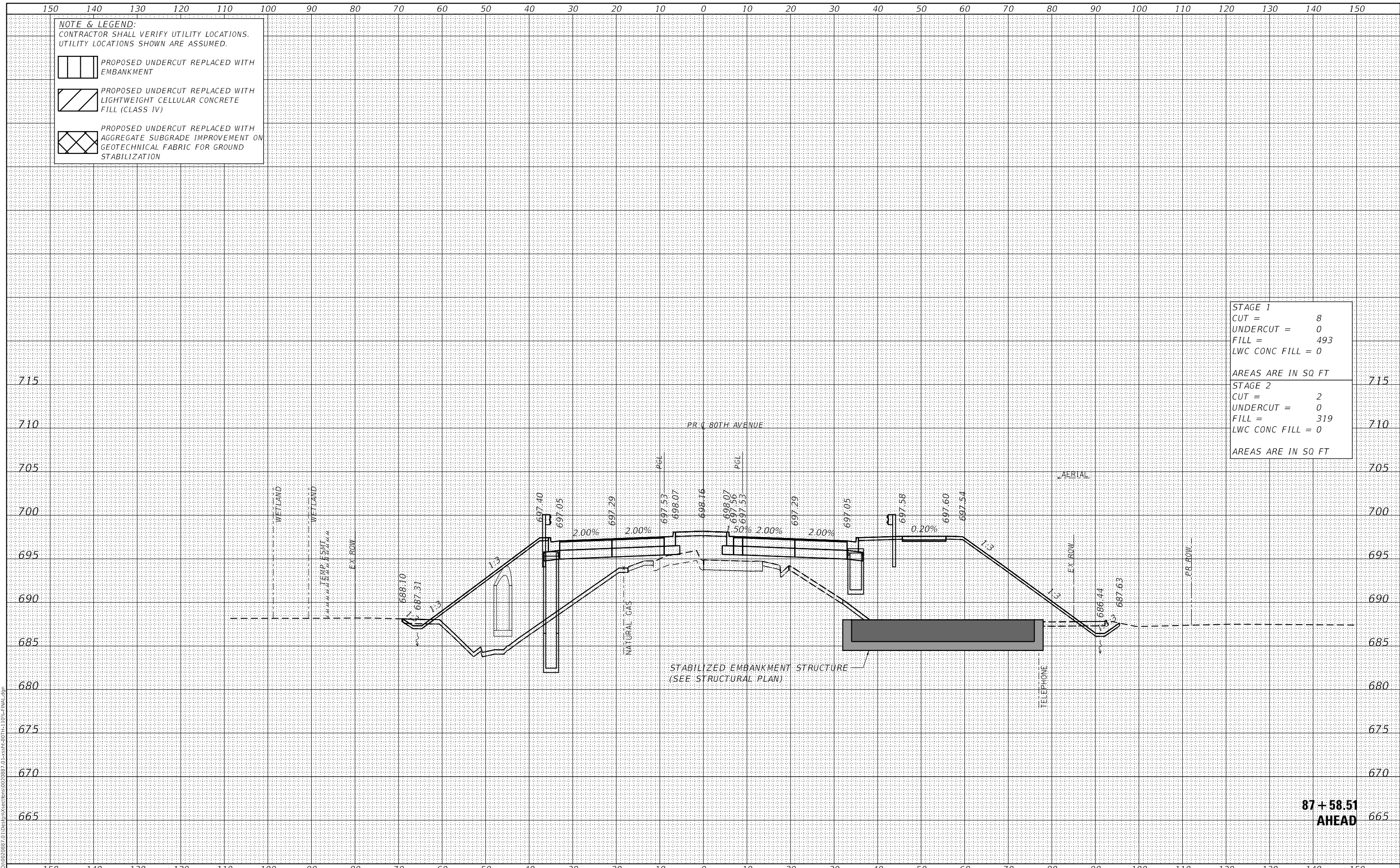
**NOTE & LEGEND:**  
 CONTRACTOR SHALL VERIFY UTILITY LOCATIONS.  
 UTILITY LOCATIONS SHOWN ARE ASSUMED.

PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	8
UNDERCUT =	0
FILL =	493
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	2
UNDERCUT =	0
FILL =	319
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**87 + 58.51  
 AHEAD**



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20,000.00' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 87+58.51 TO STA. 87+58.51


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	871
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		


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


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

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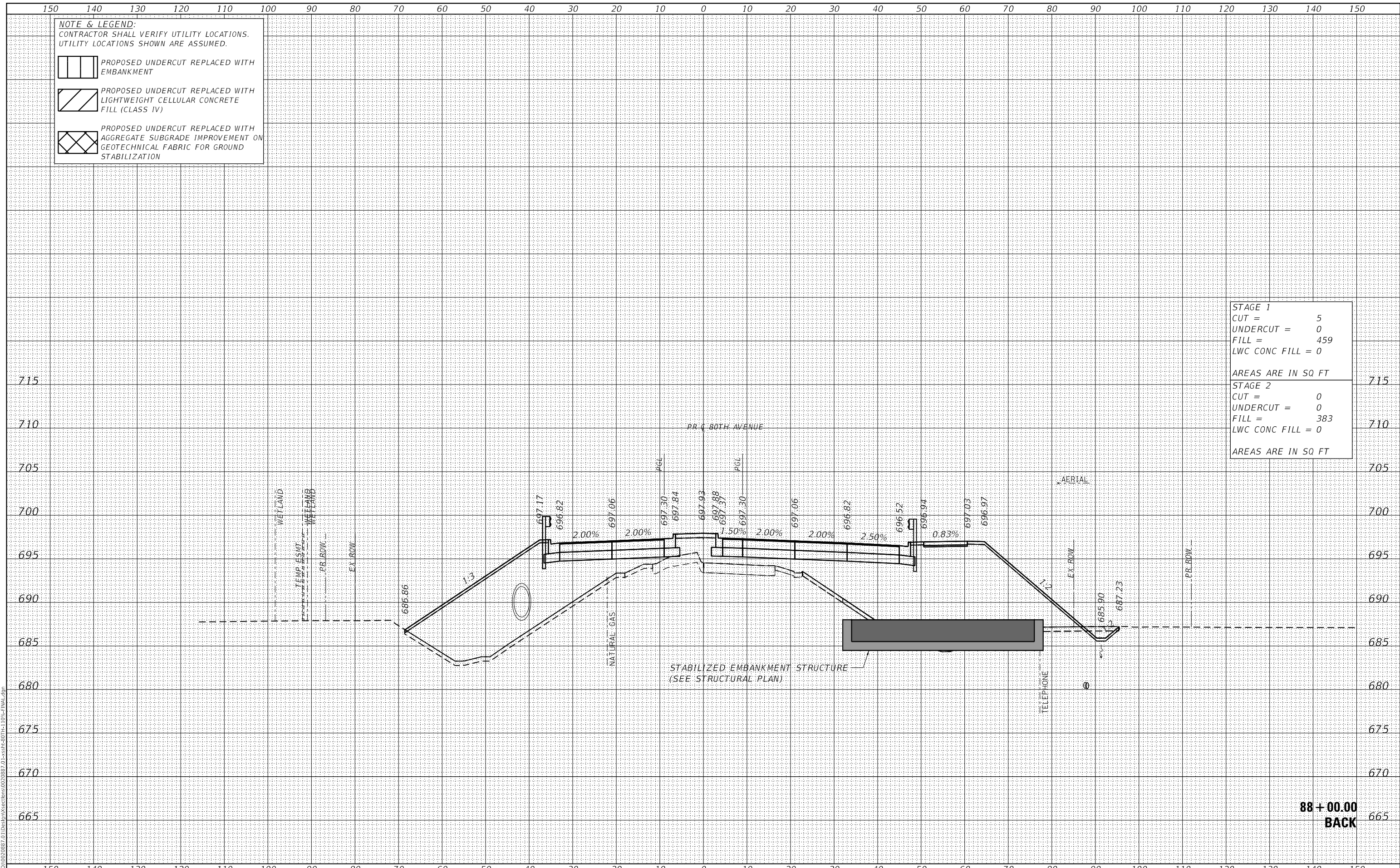
**NOTE & LEGEND:**  
 CONTRACTOR SHALL VERIFY UTILITY LOCATIONS.  
 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	5
UNDERCUT =	0
FILL =	459
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	383
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**88 + 00.00  
 BACK**



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 88+00.00 TO STA. 88+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	872
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		





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


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

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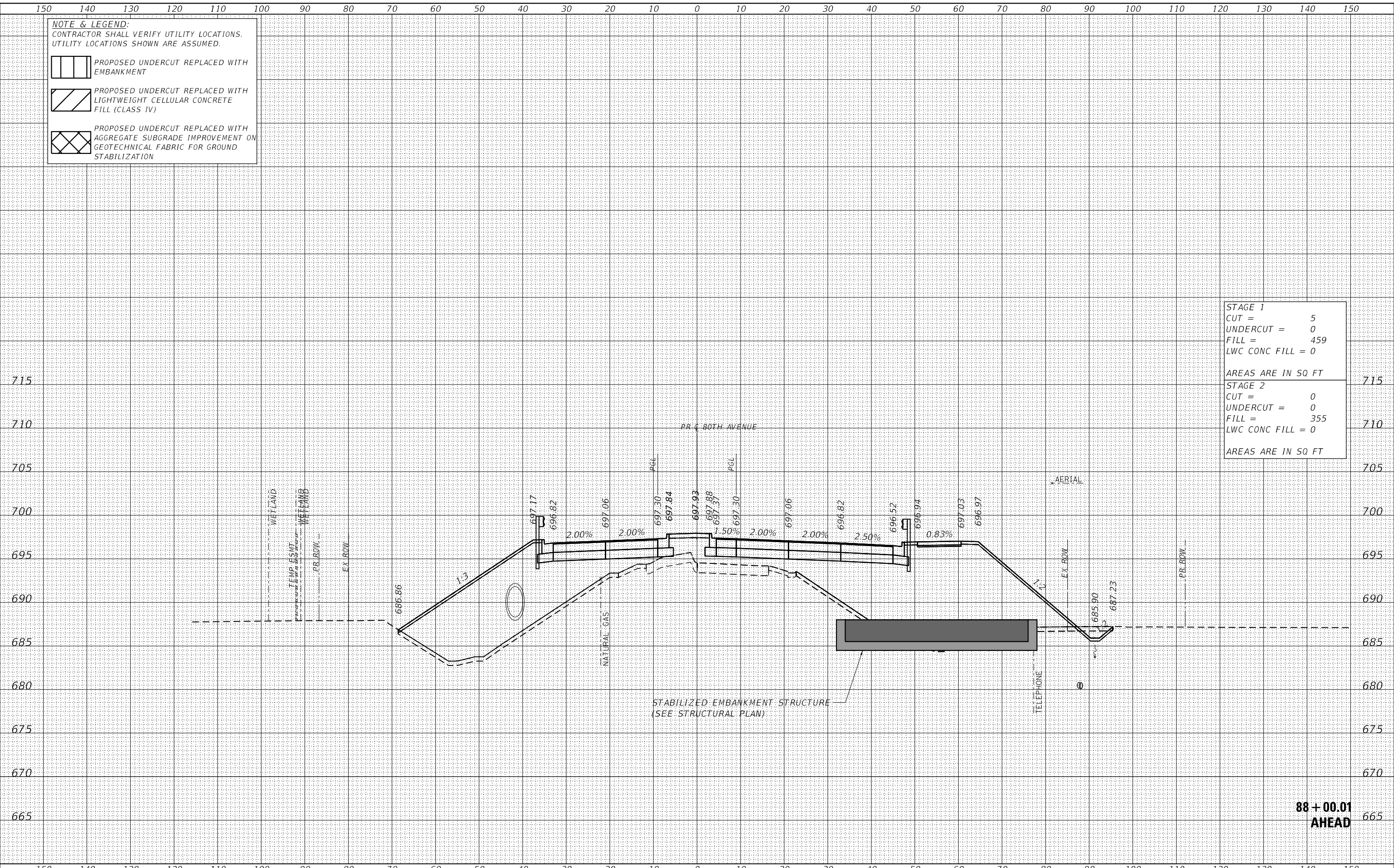
**NOTE & LEGEND:**  
 CONTRACTOR SHALL VERIFY UTILITY LOCATIONS.  
 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	5
UNDERCUT =	0
FILL =	459
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	355
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**88 + 00.01  
AHEAD**

**CiorbaGroup**  
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 P 773.775.4009 | www.ciorba.com

USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 88+00.01 TO STA. 88+00.01

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	873
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		

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

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

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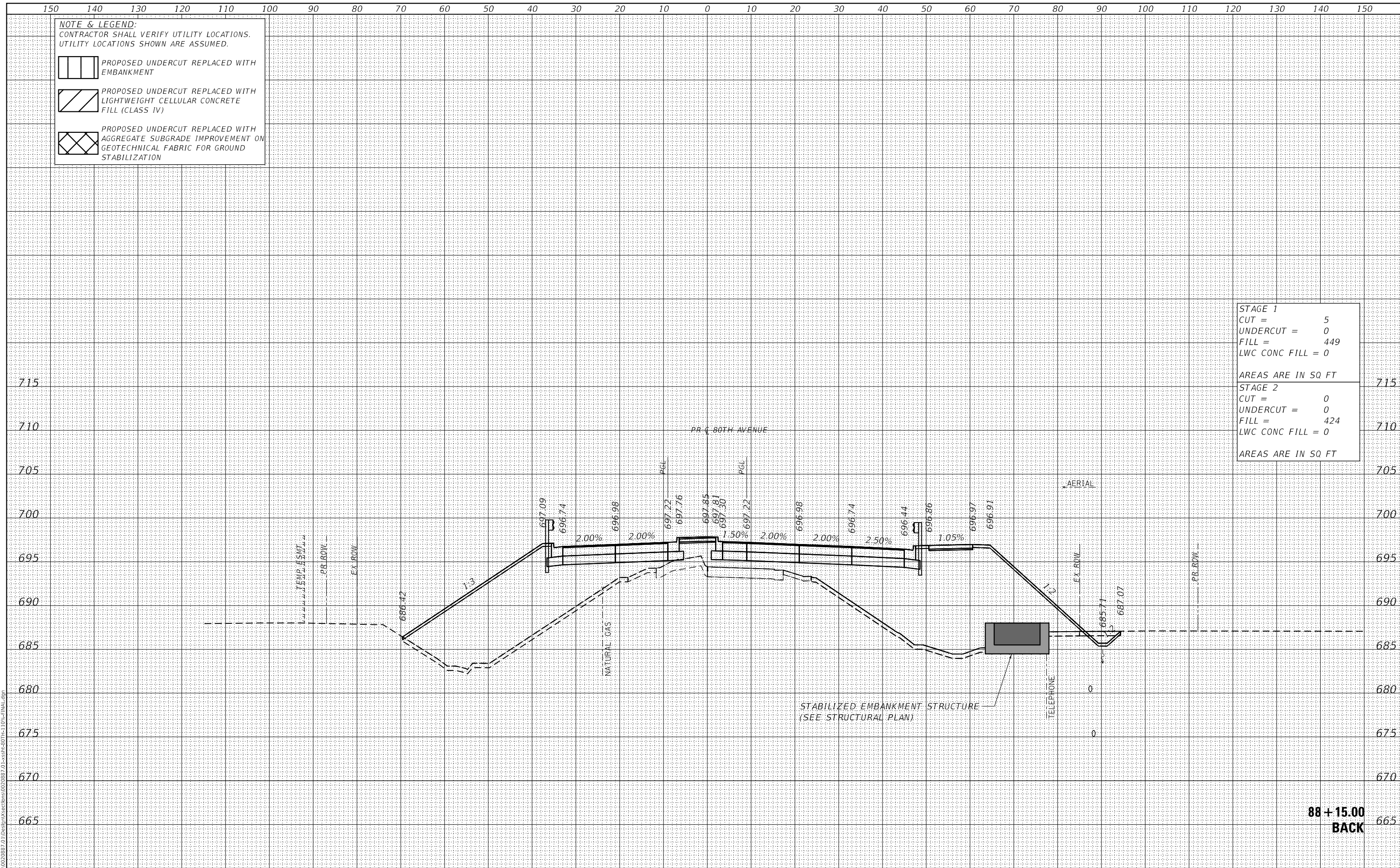
**NOTE & LEGEND:**  
 CONTRACTOR SHALL VERIFY UTILITY LOCATIONS.  
 UTILITY LOCATIONS SHOWN ARE ASSUMED.

PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	5
UNDERCUT =	0
FILL =	449
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	424
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**88 + 15.00  
BACK**



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 88+15.00 TO STA. 88+15.00


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	874
CONTRACT NO.			61G73	
ILLINOIS FED. AID PROJECT				


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


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

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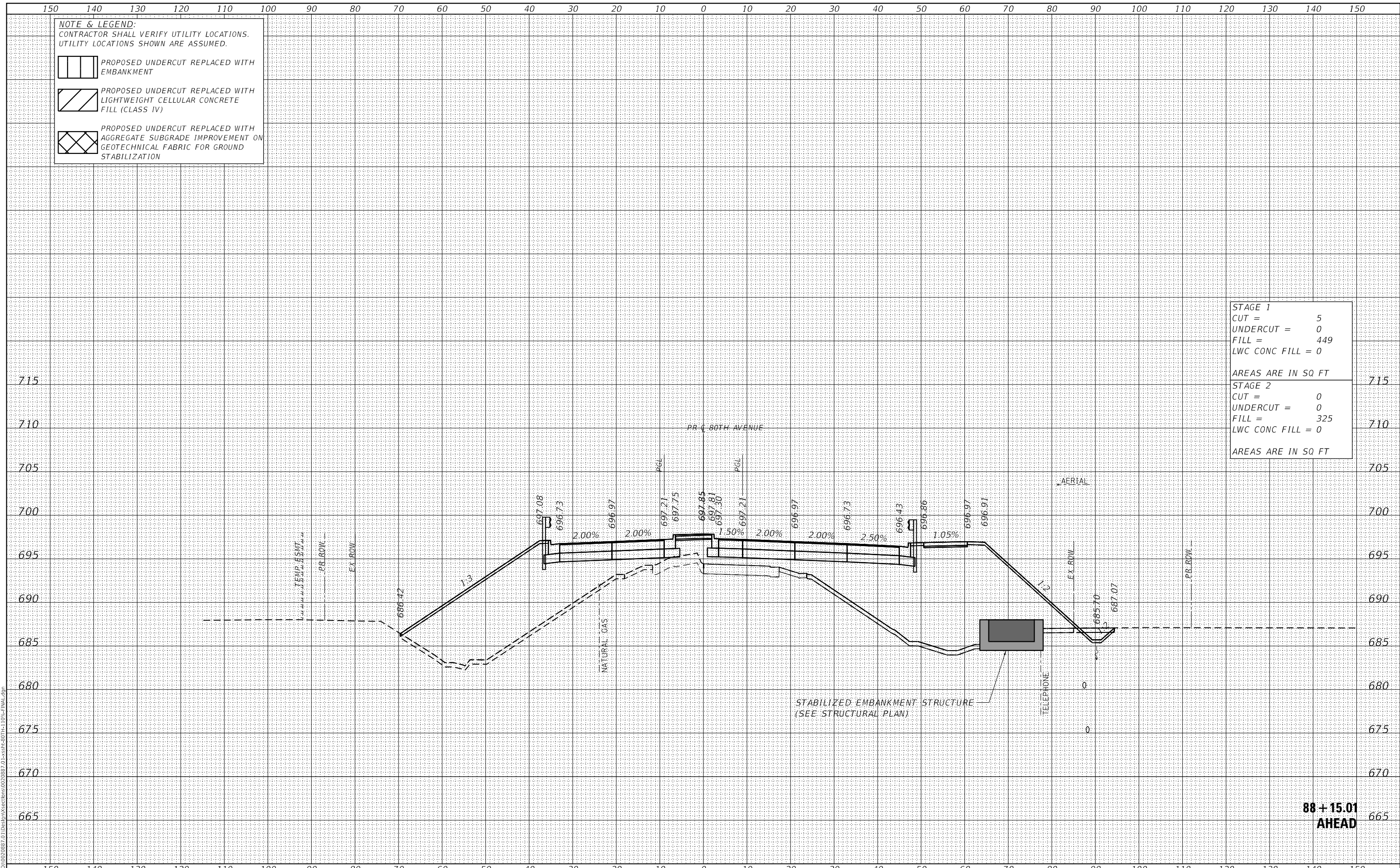
**NOTE & LEGEND:**  
 CONTRACTOR SHALL VERIFY UTILITY LOCATIONS.  
 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	5
UNDERCUT =	0
FILL =	449
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	325
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**88 + 15.01  
 AHEAD**



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>80TH AVENUE ROADWAY RECONSTRUCTION    CROSS SECTIONS - 80TH AVENUE</b>			
SCALE: 1" = 10'	SHEET	OF	SHEETS
STA. 88+15.01	TO STA. 88+15.01		


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	875
CONTRACT NO.			61G73	
ILLINOIS FED. AID PROJECT				


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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

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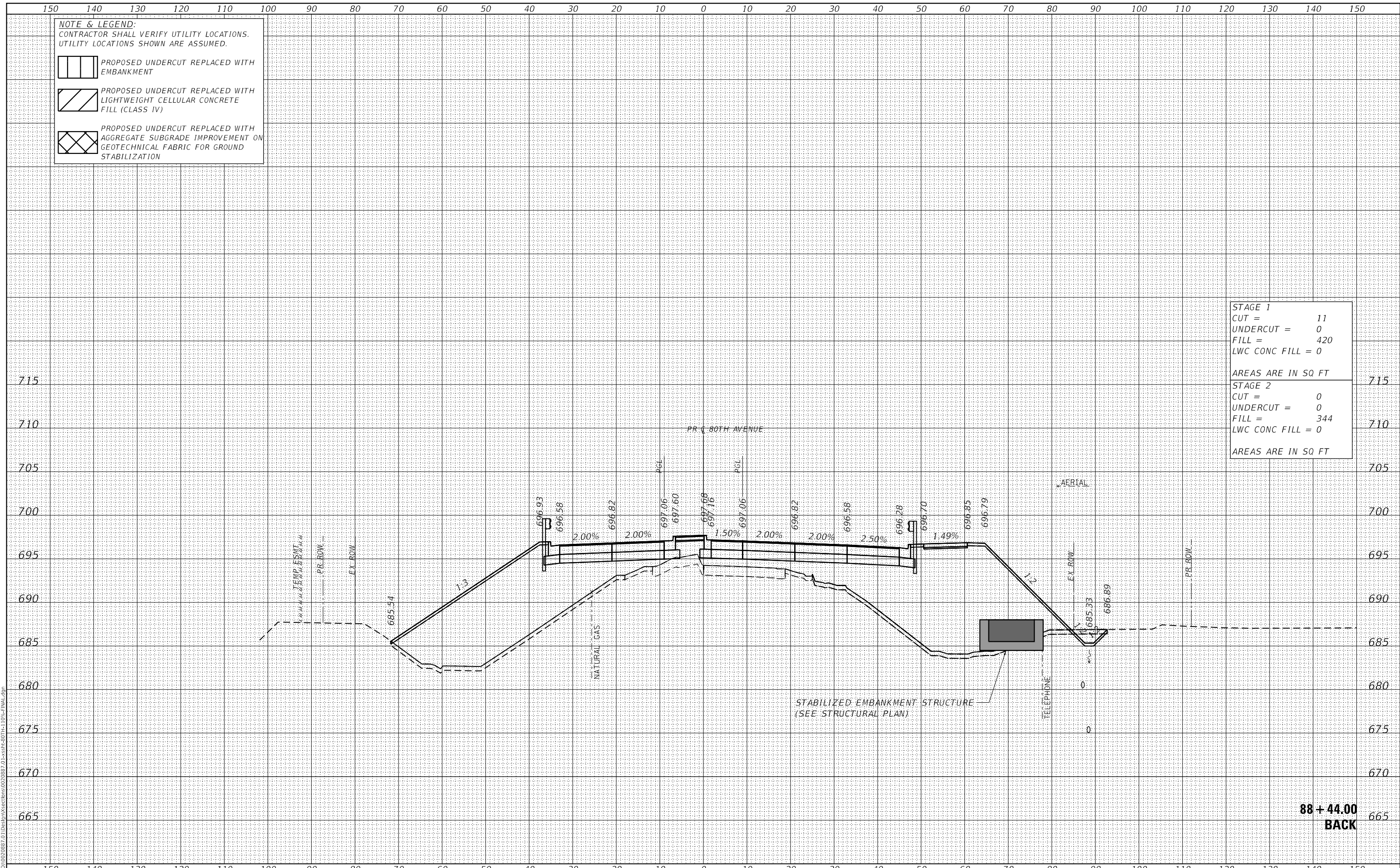
**NOTE & LEGEND:**  
 CONTRACTOR SHALL VERIFY UTILITY LOCATIONS.  
 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	11
UNDERCUT =	0
FILL =	420
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	344
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**88 + 44.00  
 BACK**



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20,000.00' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 88+44.00 TO STA. 88+44.00


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	876
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		


DATE	
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FINAL SURVEY	
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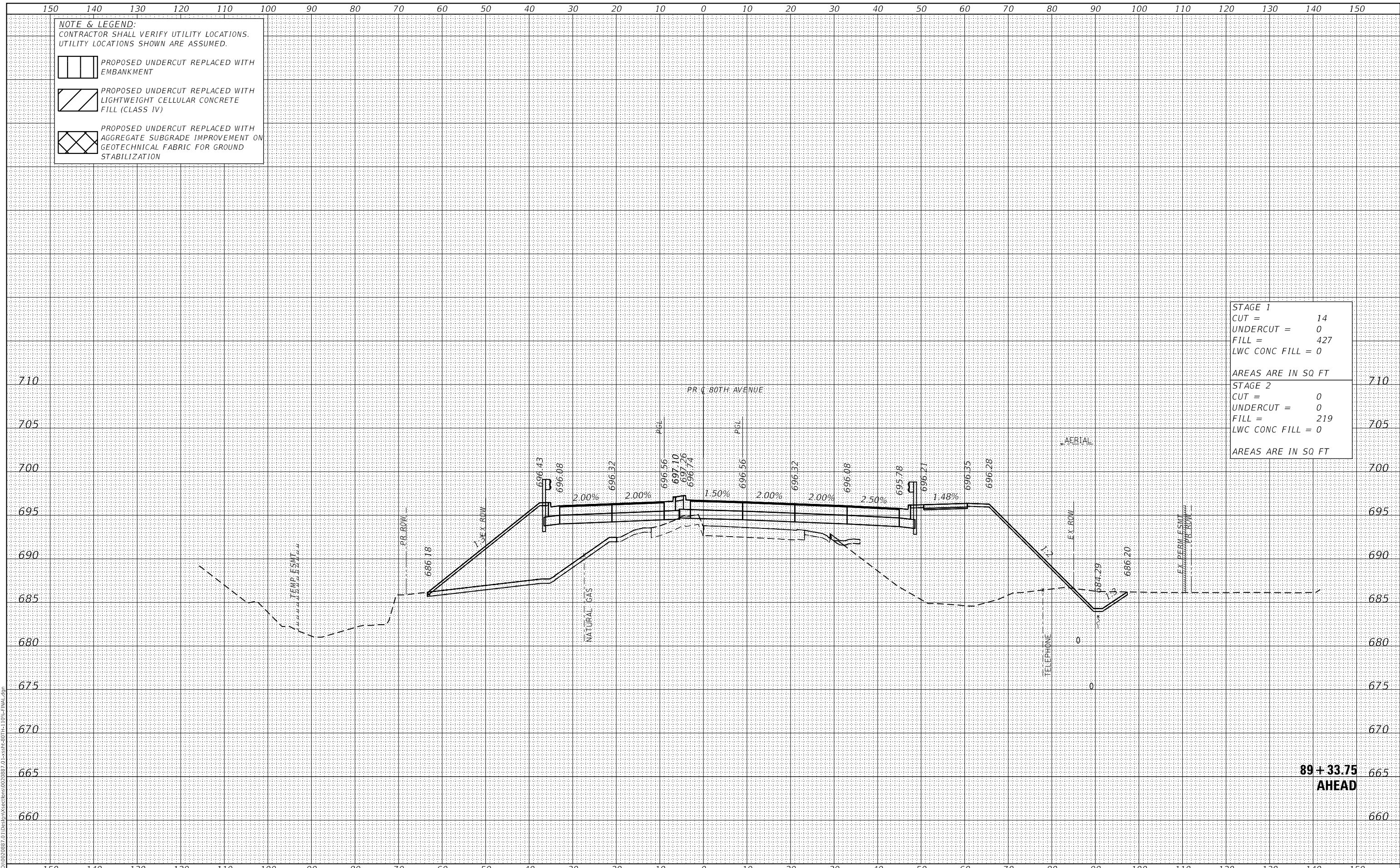
**NOTE & LEGEND:**  
 CONTRACTOR SHALL VERIFY UTILITY LOCATIONS.  
 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	14
UNDERCUT =	0
FILL =	427
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	219
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



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 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631  
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USER NAME = Roadway	DESIGNED - JPA	REVISED -
PLOT SCALE = 20,000.00' / in.	DRAWN - JPA	REVISED -
PLOT DATE = 3/30/2021	CHECKED - DJO	REVISED -
	DATE - 3/3/2021	REVISED -

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

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 89+33.75 TO STA. 89+33.75


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	877
CONTRACT NO. 61G73				
ILLINOIS		FED. AID PROJECT		


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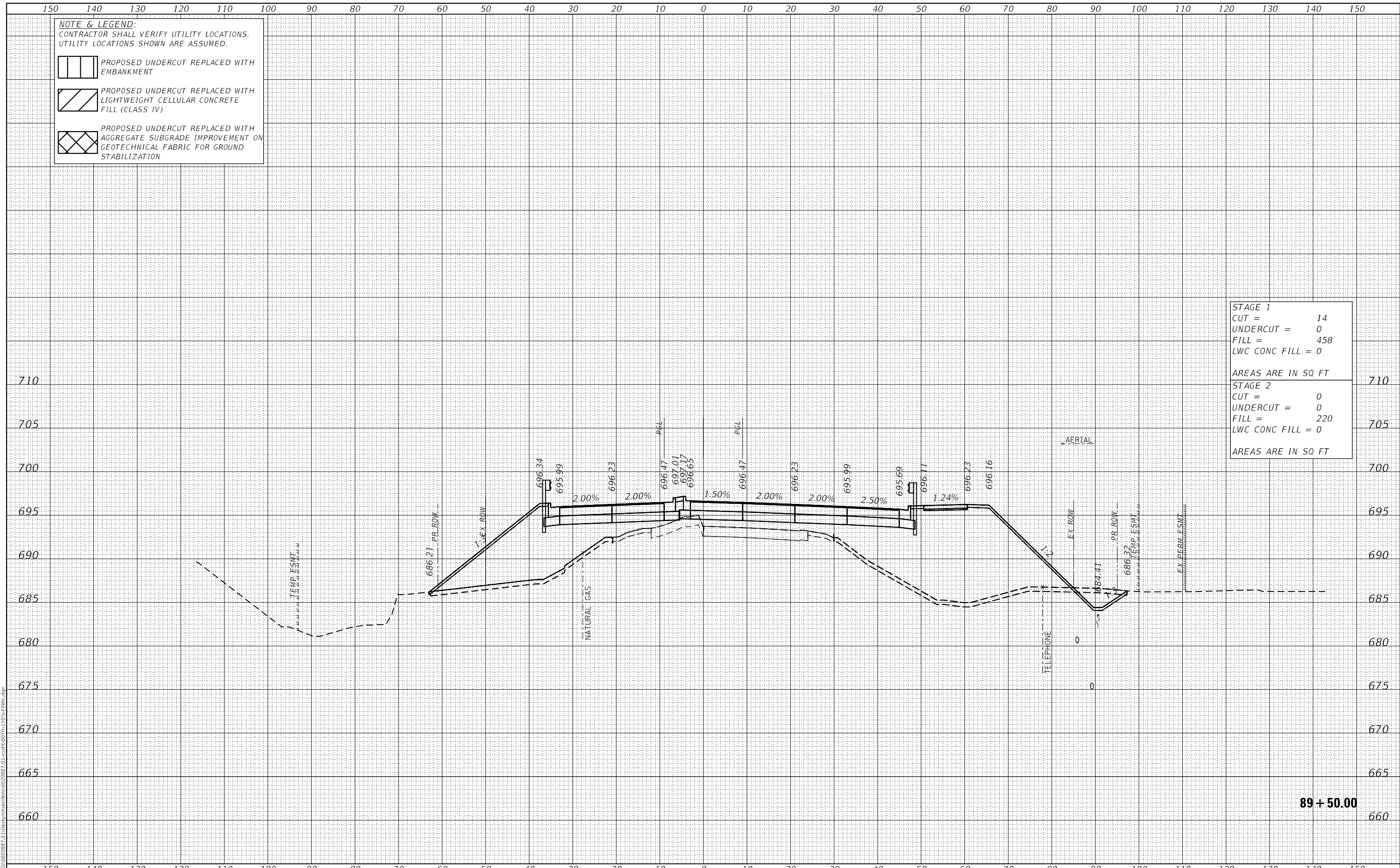
**NOTE & LEGEND:**  
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 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	14
UNDERCUT =	0
FILL =	458
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	220
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**89 + 50.00**



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20,000.00' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/3/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 89+50.00 TO STA. 89+50.00


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	878
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		


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FINAL SURVEY	
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ORIGINAL SURVEY	
NOTE BOOK	
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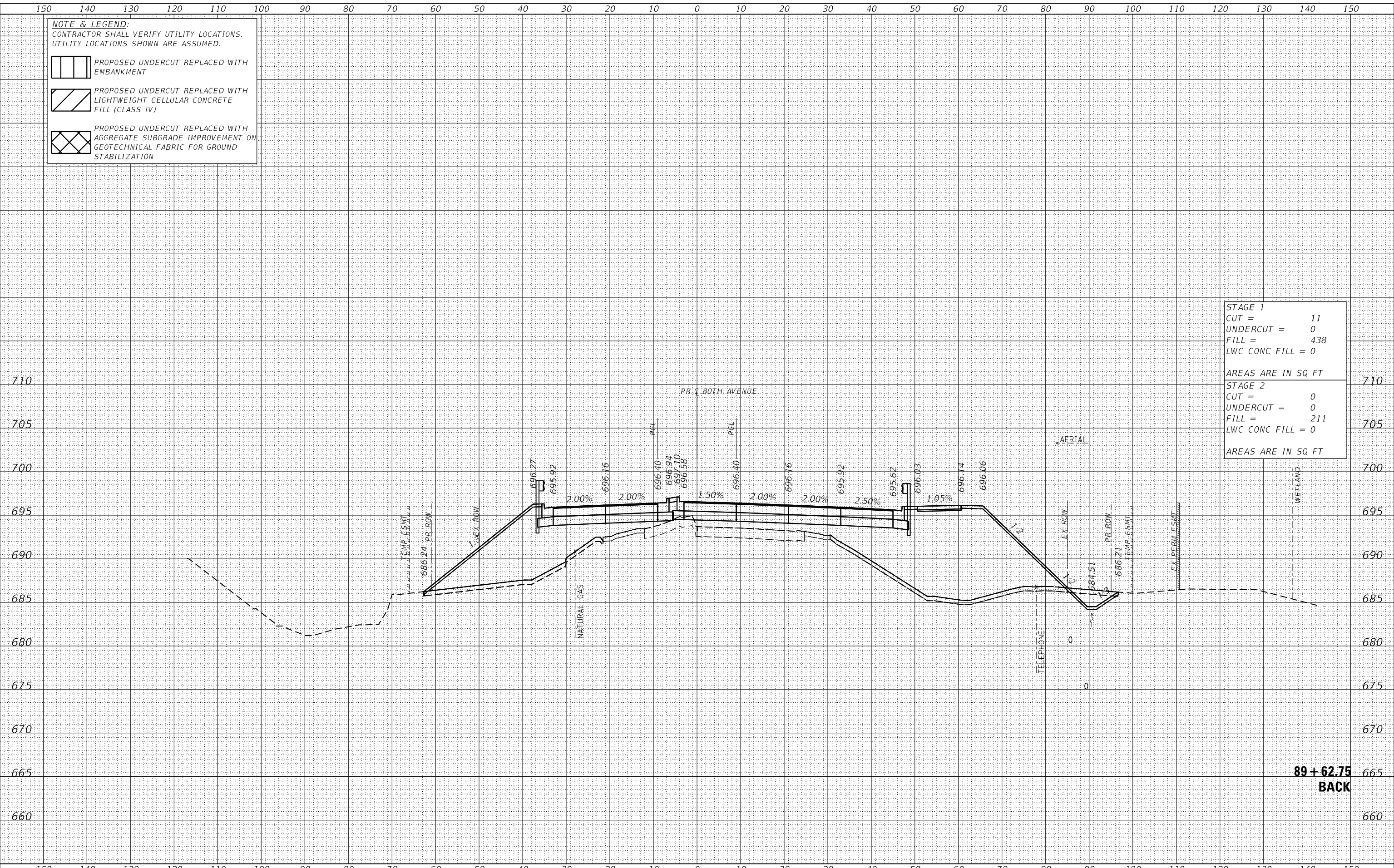
**NOTE & LEGEND:**  
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 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	11
UNDERCUT =	0
FILL =	438
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	211
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



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USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

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

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 89+62.75 TO STA. 89+62.75


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	879
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		


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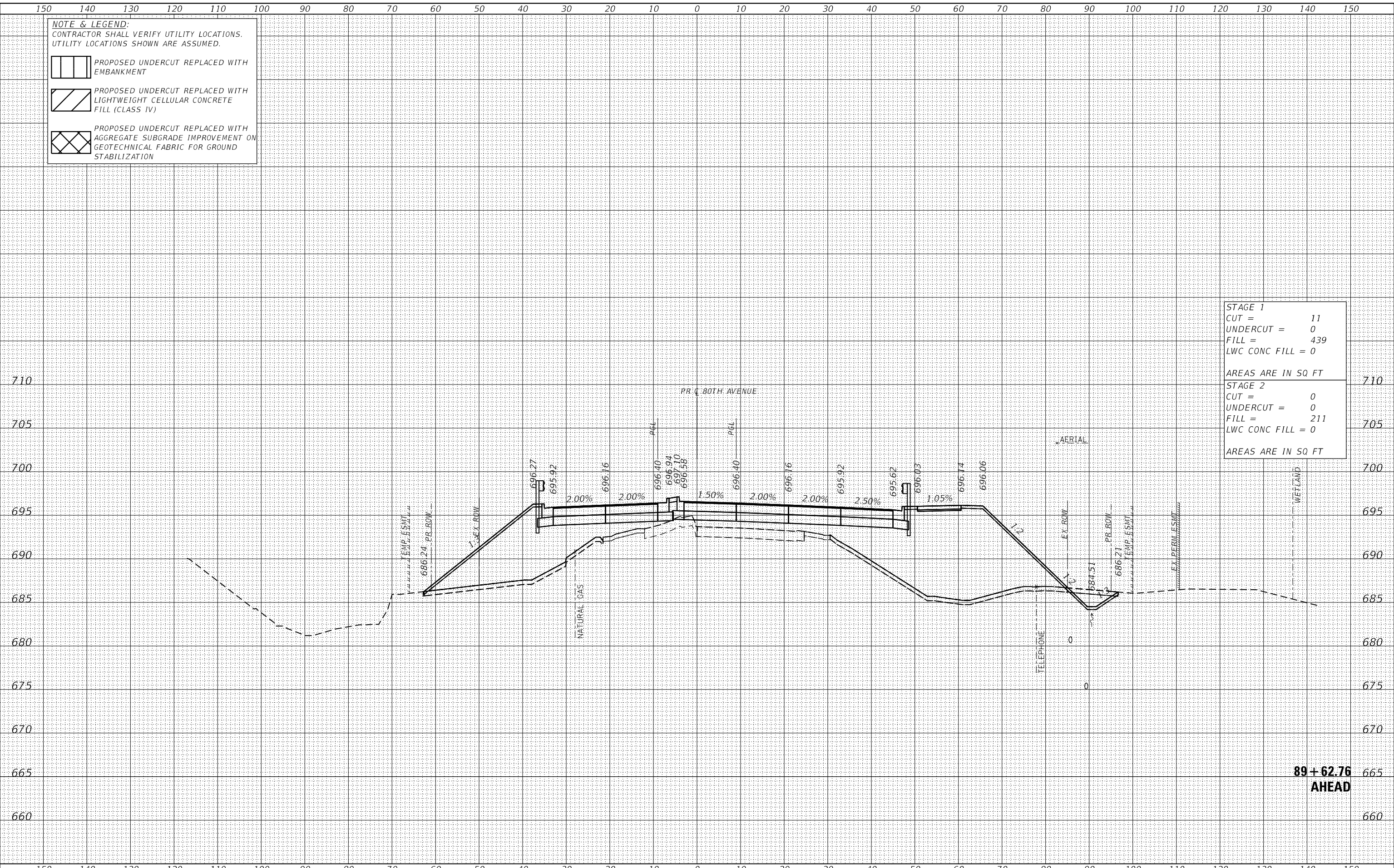
**NOTE & LEGEND:**  
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 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	11
UNDERCUT =	0
FILL =	439
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	211
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**89 + 62.76  
 AHEAD**

**CiorbaGroup**  
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USER NAME = Roadway	DESIGNED - JPA	REVISED -
	DRAWN - JPA	REVISED -
PLOT SCALE = 20,000.00' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 3/30/2021	DATE - 3/3/2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 89+62.76 TO STA. 89+62.76

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	880
CONTRACT NO.			61G73	
ILLINOIS FED. AID PROJECT				





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FINAL SURVEY	
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ORIGINAL SURVEY	
NOTE BOOK	
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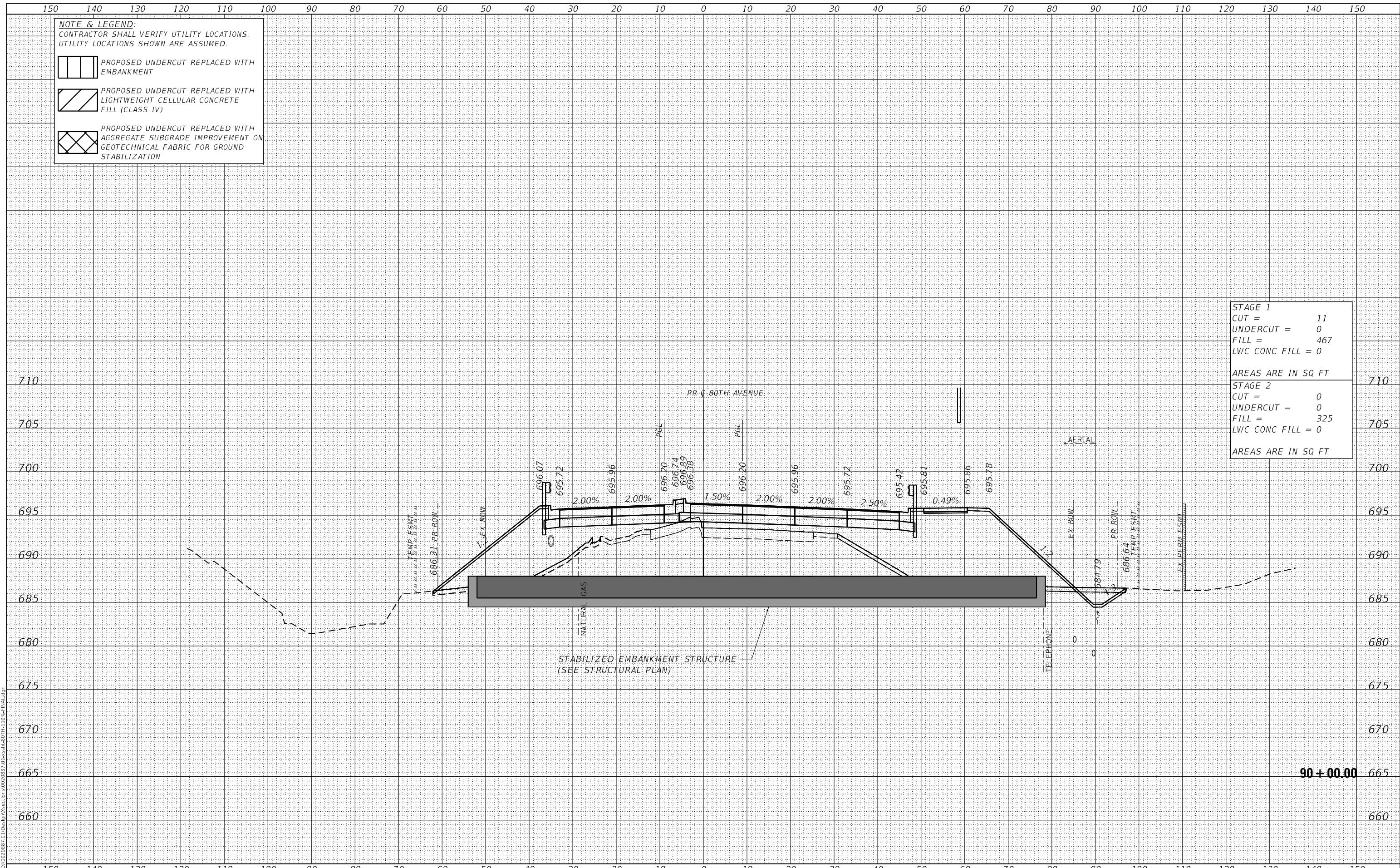
**NOTE & LEGEND:**  
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 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	11
UNDERCUT =	0
FILL =	467
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	325
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



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USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

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

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 90+00.00 TO STA. 90+00.00


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	881
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		


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ORIGINAL SURVEY	
NOTE BOOK	
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AREAS CHECKED	

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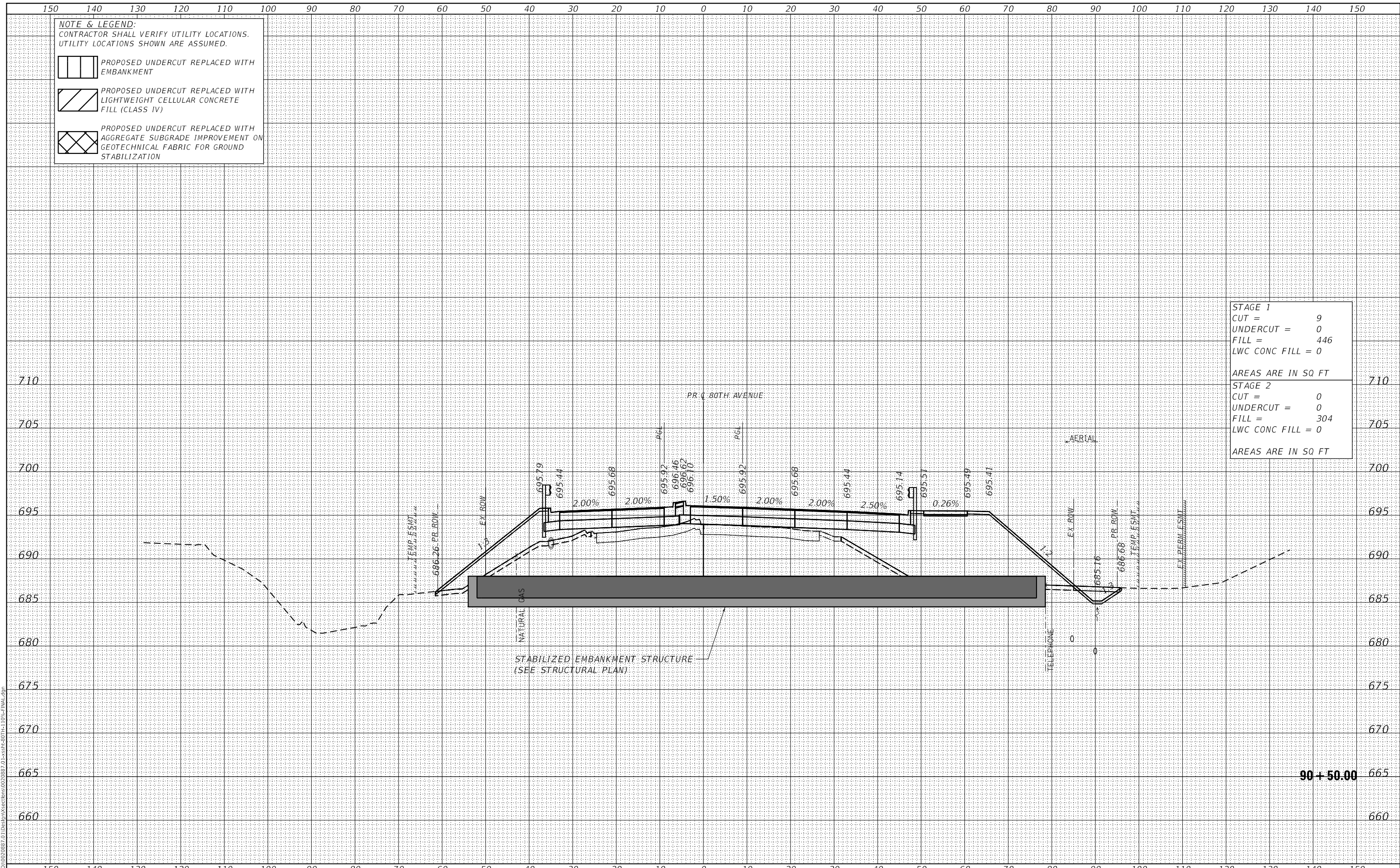
**NOTE & LEGEND:**  
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 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	9
UNDERCUT =	0
FILL =	446
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	304
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



90 + 50.00



USER NAME =	Roadway
DESIGNED -	JPA
DRAWN -	JPA
CHECKED -	DJO
DATE -	3/3/2021
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	

DESIGNED -	JPA
DRAWN -	JPA
CHECKED -	DJO
DATE -	3/3/2021
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 90+50.00 TO STA. 90+50.00


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	882
CONTRACT NO.			61G73	
ILLINOIS FED. AID PROJECT				


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NOTE BOOK	
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ORIGINAL SURVEY	
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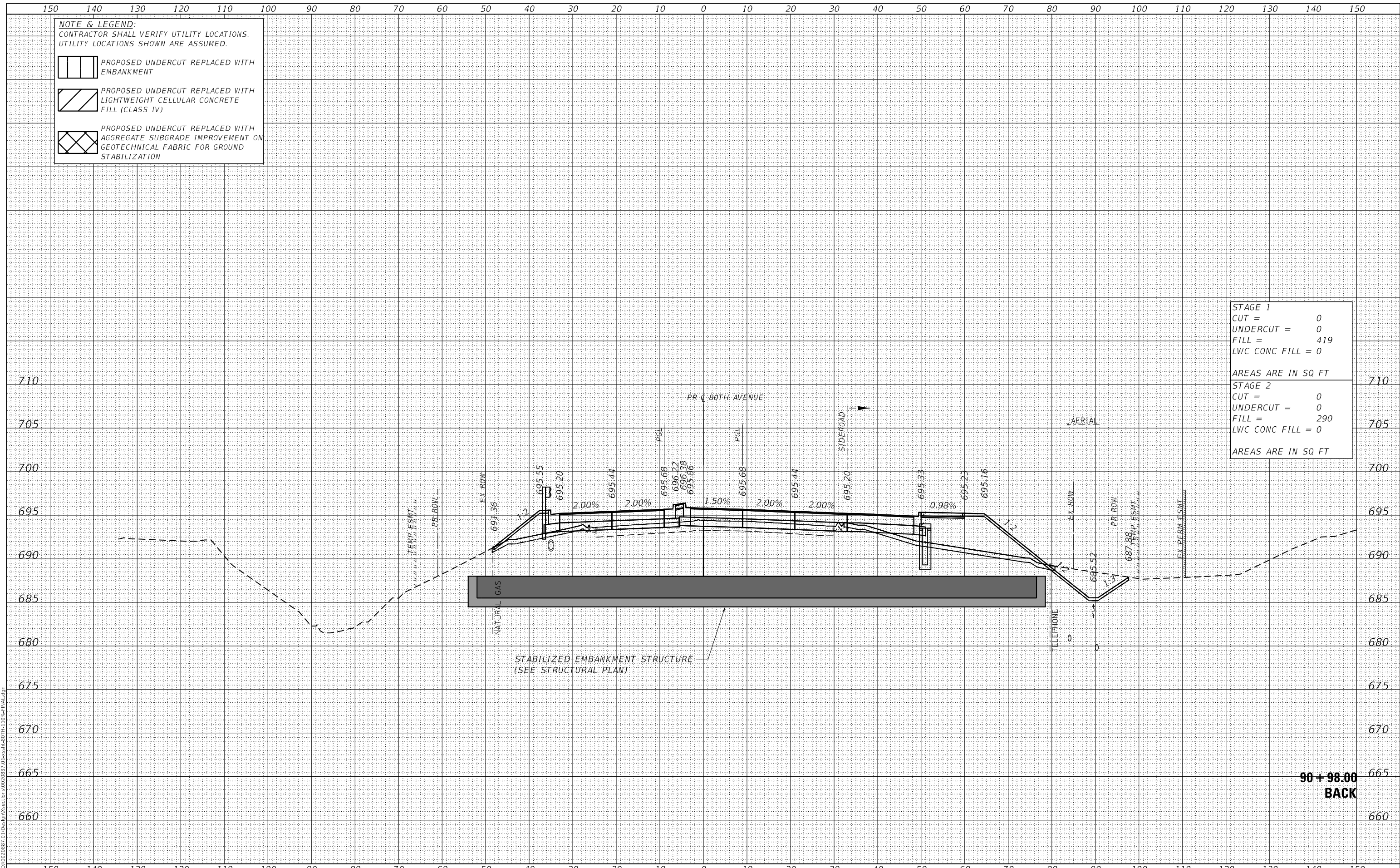
**NOTE & LEGEND:**  
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 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	0
UNDERCUT =	0
FILL =	419
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	290
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**90 + 98.00  
 BACK**

**CiorbaGroup**  
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USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 90+98.00 TO STA. 90+98.00


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	883
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		


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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED


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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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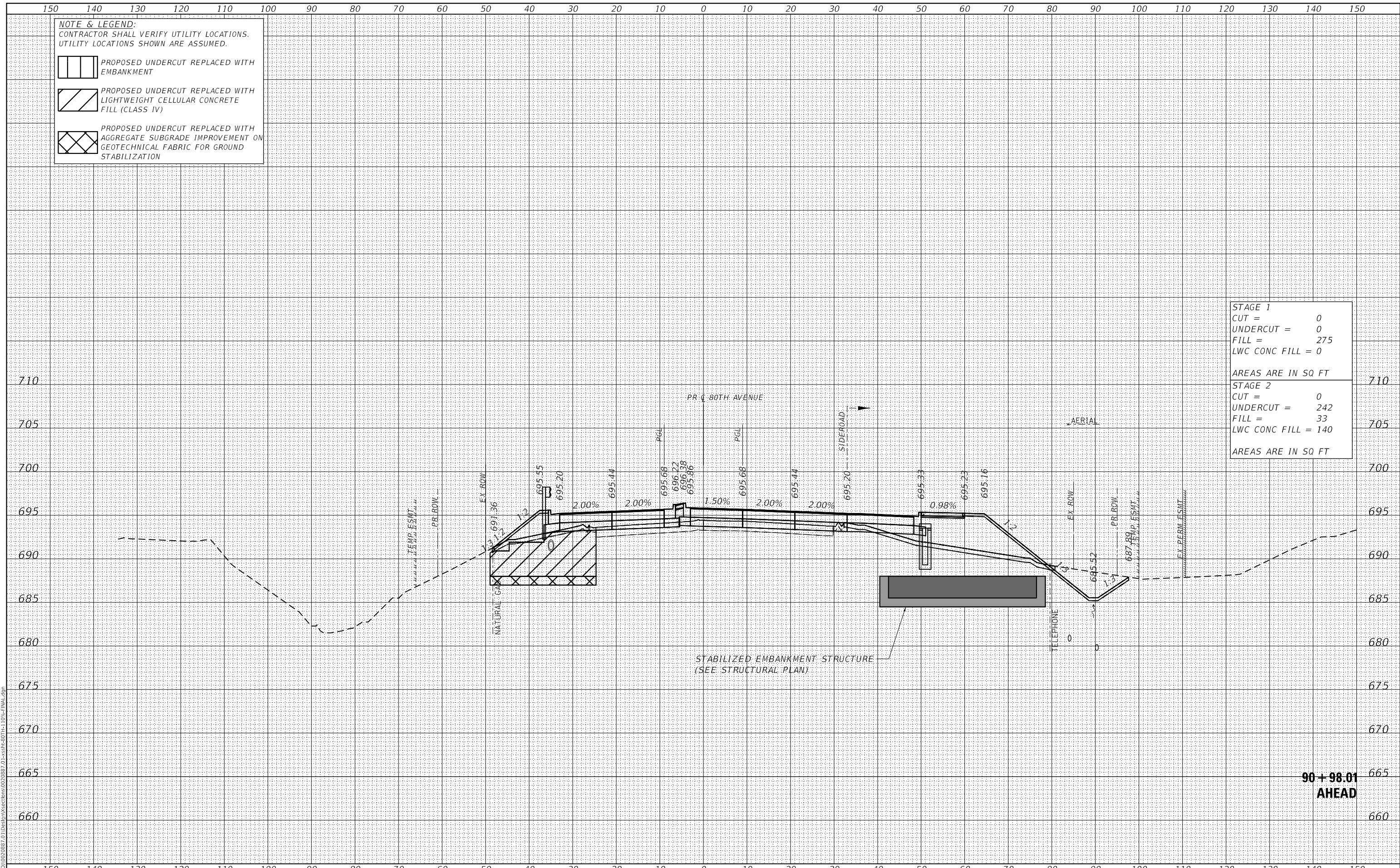
**NOTE & LEGEND:**  
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 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	0
UNDERCUT =	0
FILL =	275
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	242
FILL =	33
LWC CONC FILL =	140
AREAS ARE IN SQ FT	



**90 + 98.01  
 AHEAD**



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20,000.00' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 90+98.01 TO STA. 90+98.01


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	884
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		


DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED


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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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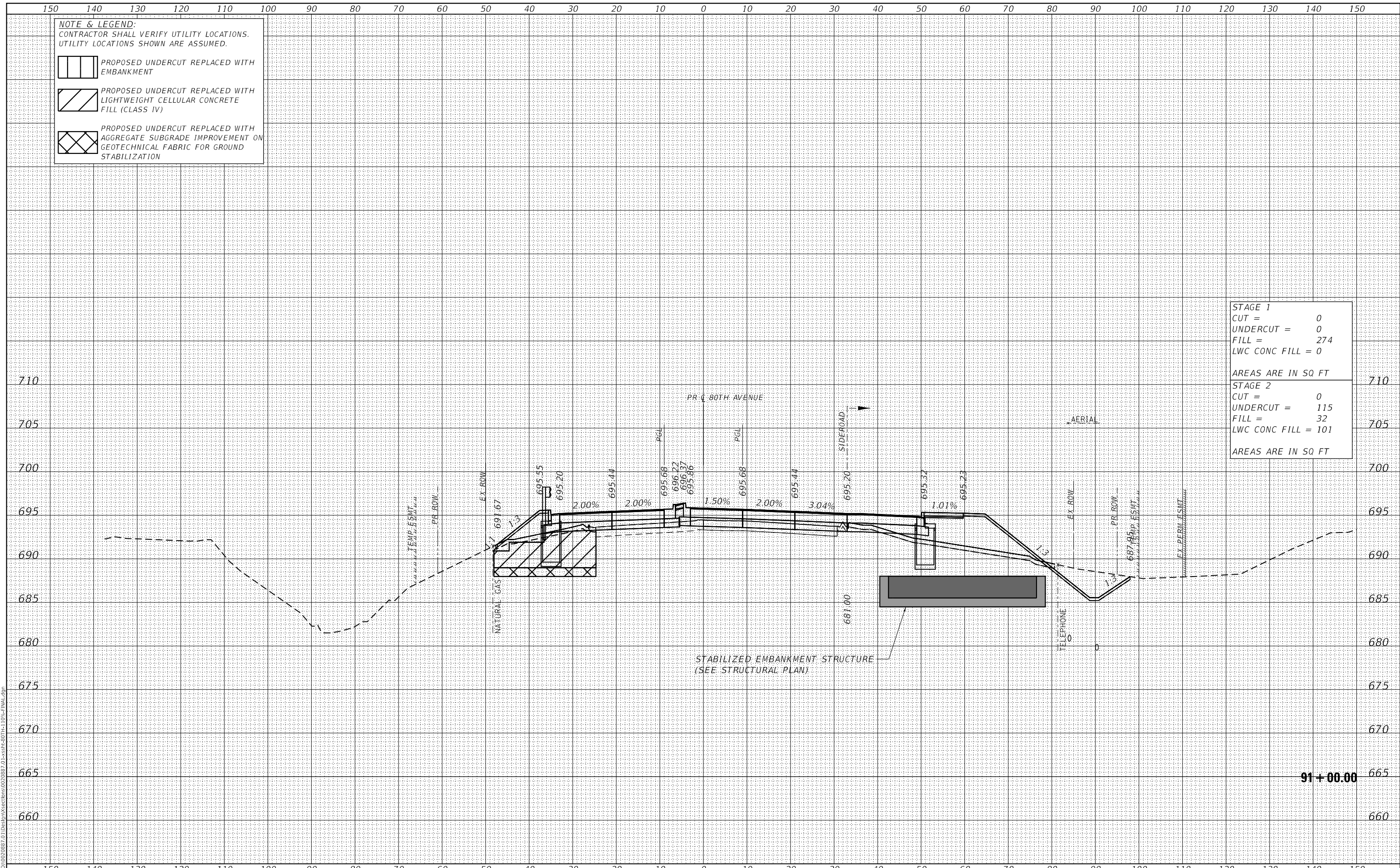
**NOTE & LEGEND:**  
 CONTRACTOR SHALL VERIFY UTILITY LOCATIONS.  
 UTILITY LOCATIONS SHOWN ARE ASSUMED.

 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	0
UNDERCUT =	0
FILL =	274
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	115
FILL =	32
LWC CONC FILL =	101
AREAS ARE IN SQ FT	



91 + 00.00



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20,000.00' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 91+00.00 TO STA. 91+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	885
CONTRACT NO.			61G73	
ILLINOIS FED. AID PROJECT				

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

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ORIGINAL SURVEY	
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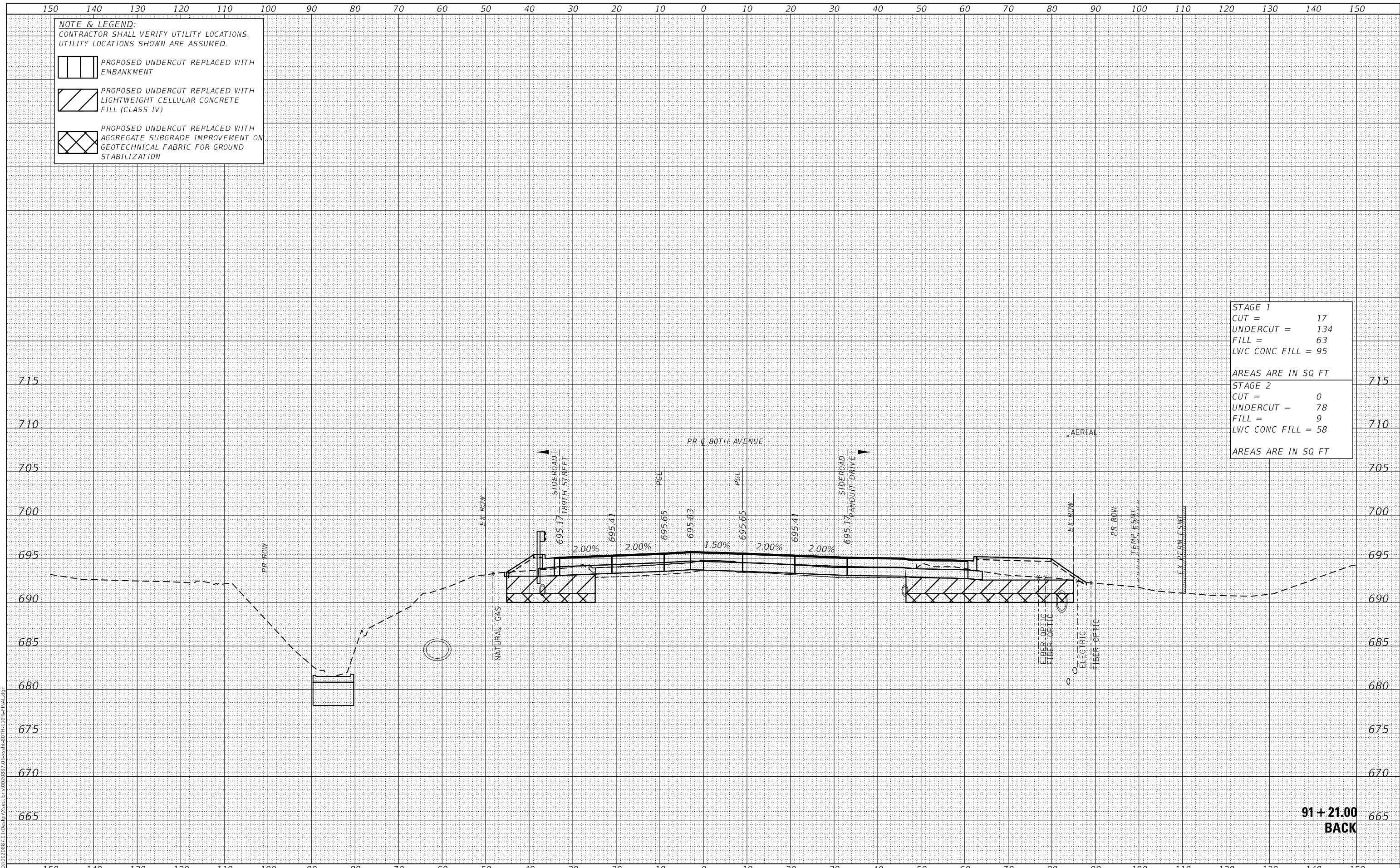
**NOTE & LEGEND:**  
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PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	17
UNDERCUT =	134
FILL =	63
LWC CONC FILL =	95
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	78
FILL =	9
LWC CONC FILL =	58
AREAS ARE IN SQ FT	



**91 + 21.00  
BACK**



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 91+21.00 TO STA. 91+21.00


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	886
CONTRACT NO.			61G73	
ILLINOIS FED. AID PROJECT				


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


DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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AREAS CHECKED	

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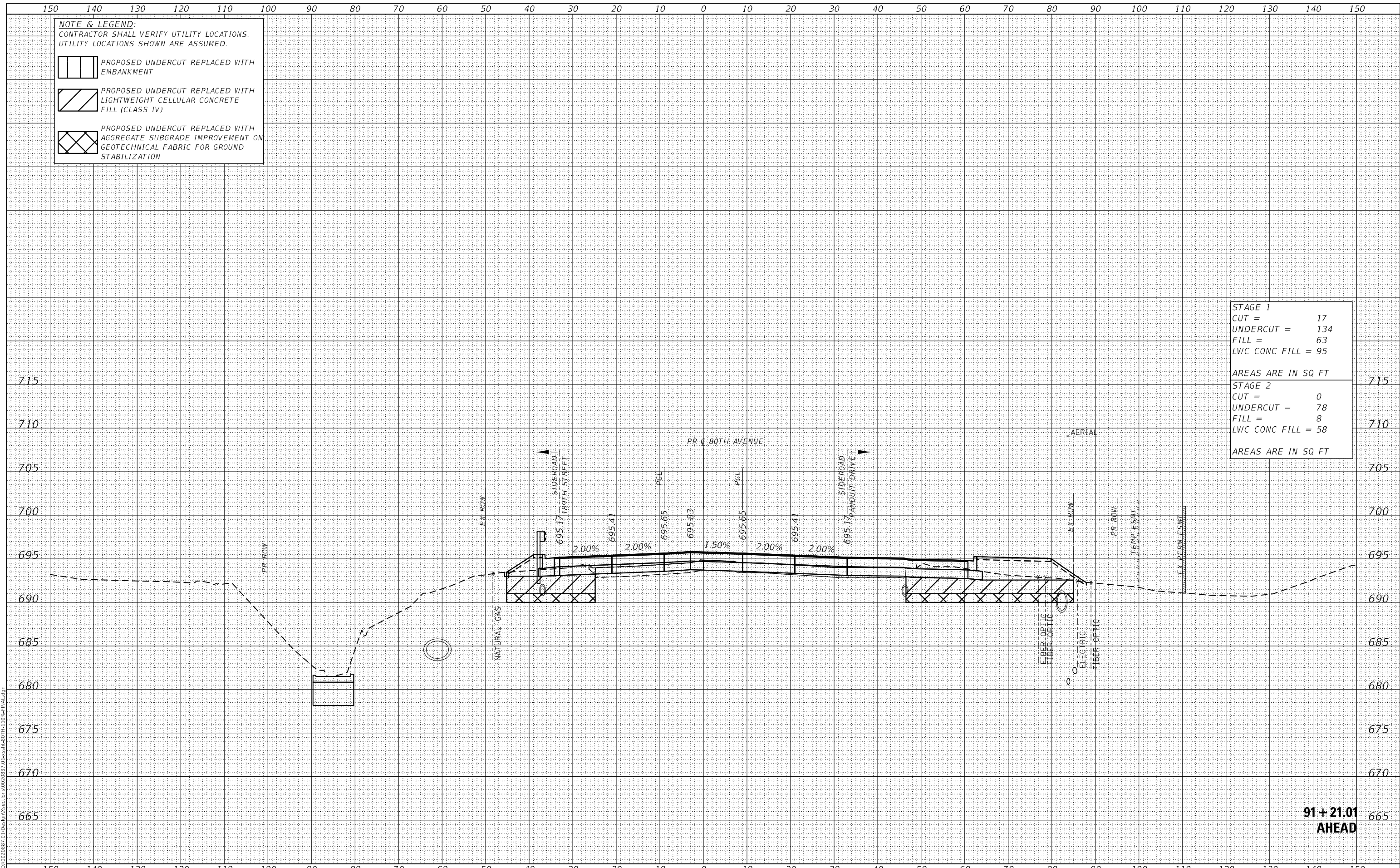
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 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	17
UNDERCUT =	134
FILL =	63
LWC CONC FILL =	95
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	78
FILL =	8
LWC CONC FILL =	58
AREAS ARE IN SQ FT	



**91 + 21.01  
AHEAD**

**CiorbaGroup**  
 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631  
 P 773.775.4009 | www.ciorba.com

USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 91+21.01 TO STA. 91+21.01


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	887
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		


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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED


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

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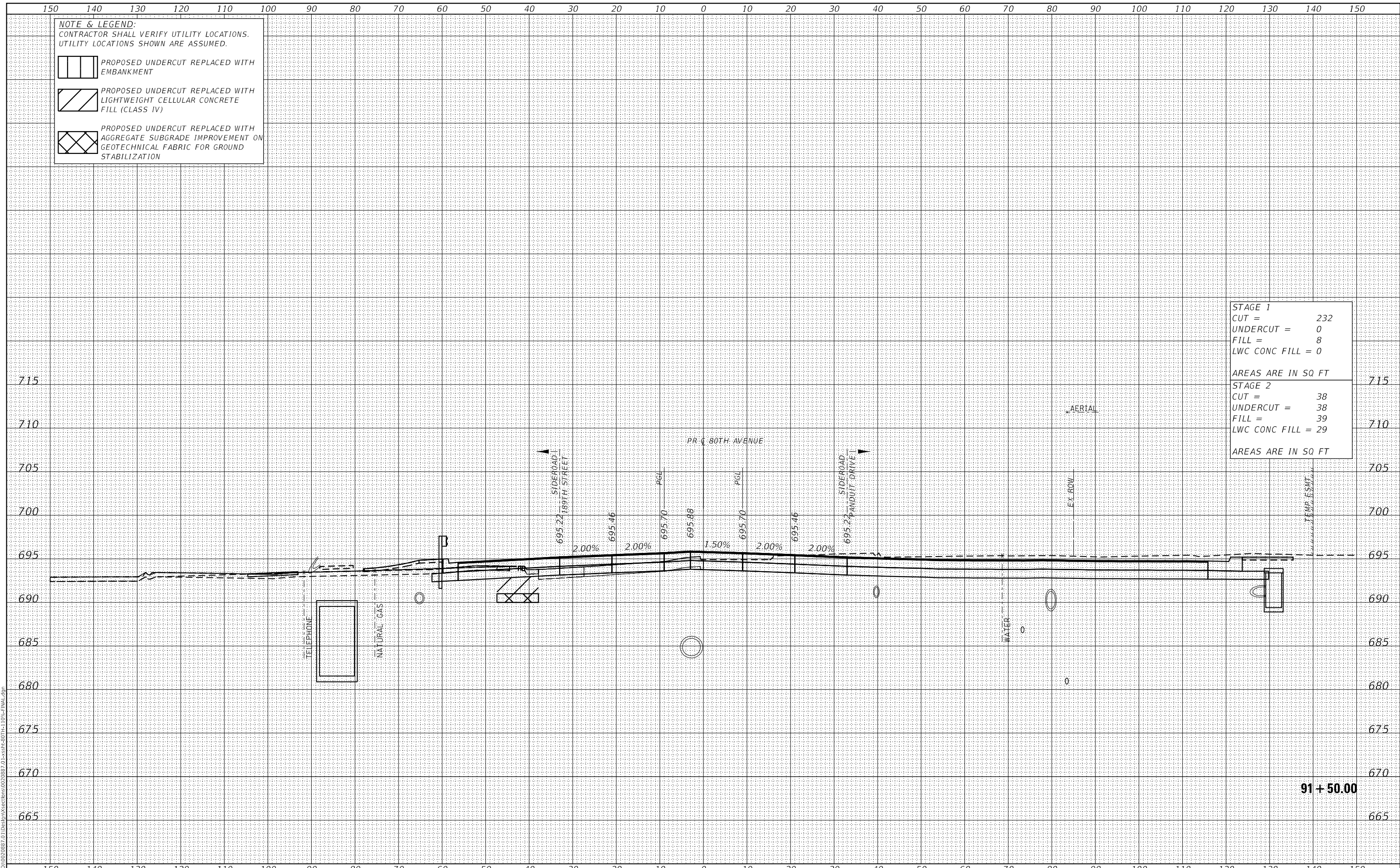
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 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	232
UNDERCUT =	0
FILL =	8
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	38
UNDERCUT =	38
FILL =	39
LWC CONC FILL =	29
AREAS ARE IN SQ FT	



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000" / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 91+50.00 TO STA. 91+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	888
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		





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FINAL SURVEY	
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ORIGINAL SURVEY	
NOTE BOOK	
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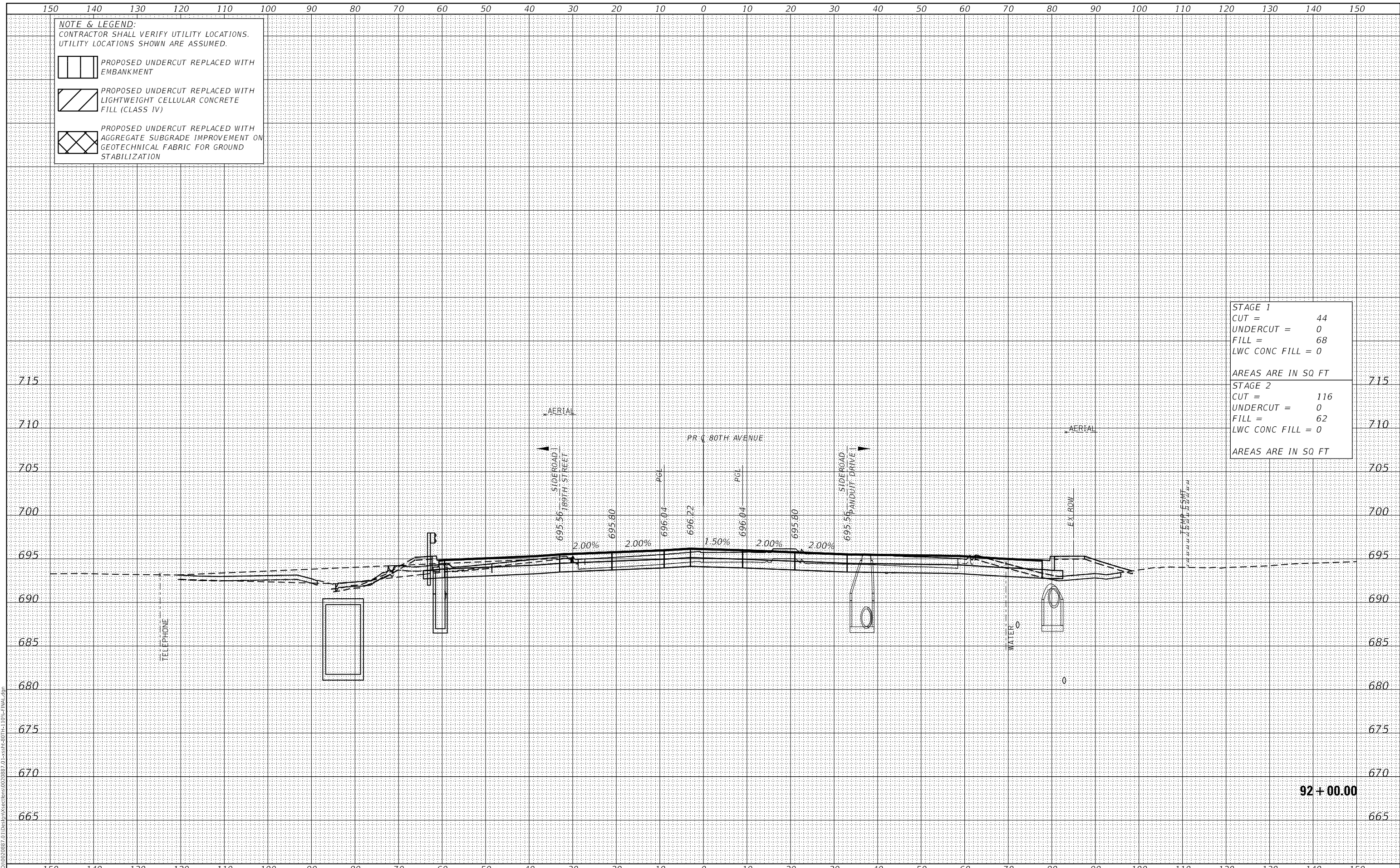
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 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	44
UNDERCUT =	0
FILL =	68
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	116
UNDERCUT =	0
FILL =	62
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



92 + 00.00

**CiorbaGroup**  
 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631  
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USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

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

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 92+00.00 TO STA. 92+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	889
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
SURVEYED	
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TEMPLATE	
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FINAL SURVEY	
NOTE BOOK	
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ORIGINAL SURVEY	
NOTE BOOK	
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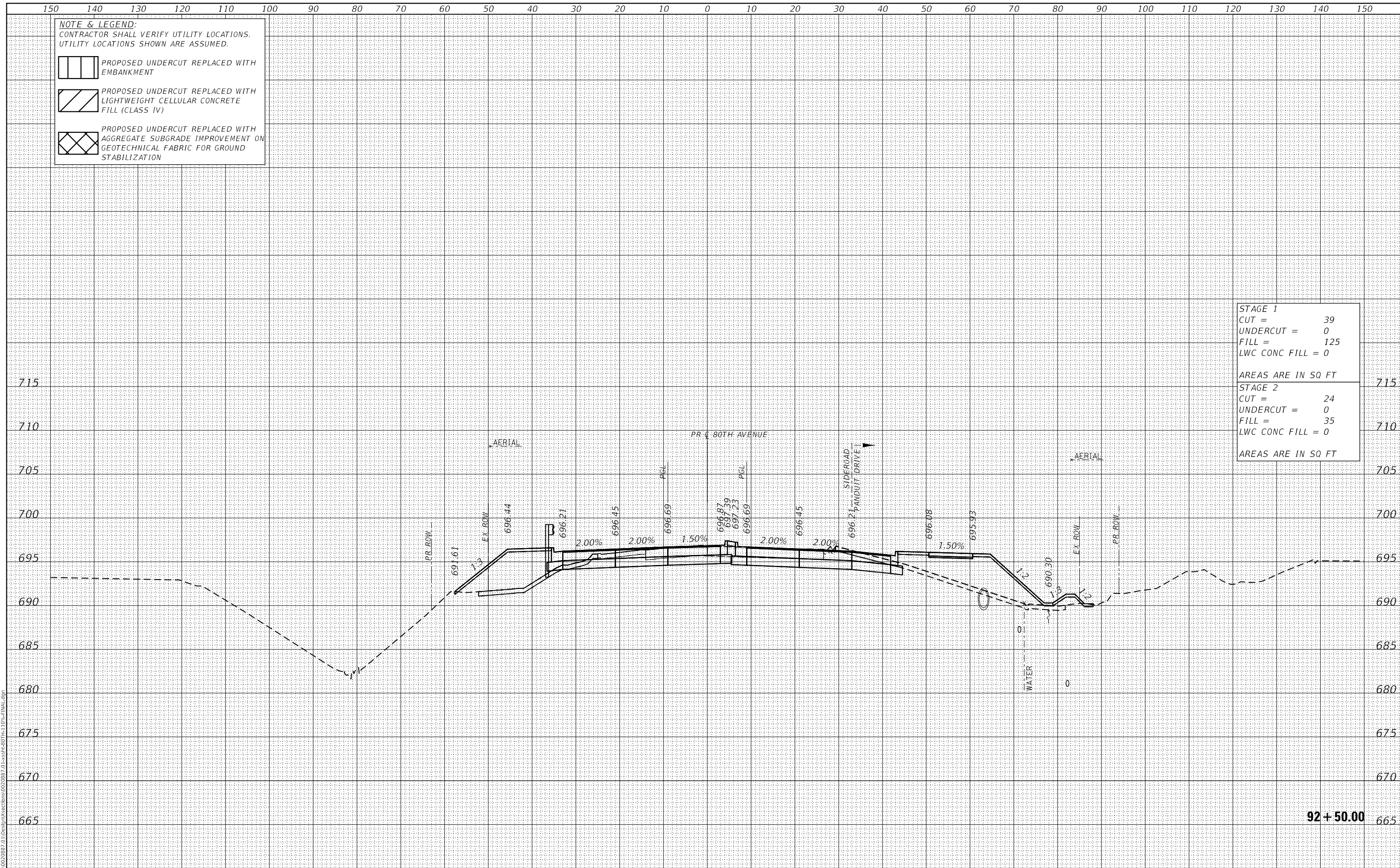
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PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	39
UNDERCUT =	0
FILL =	125
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	24
UNDERCUT =	0
FILL =	35
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



92 + 50.00



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE

SCALE: 1" = 10' SHEET OF SHEETS STA. 92+50.00 TO STA. 92+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	890
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		

DATE	
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TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
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AREAS CHECKED	

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TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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AREAS CHECKED	

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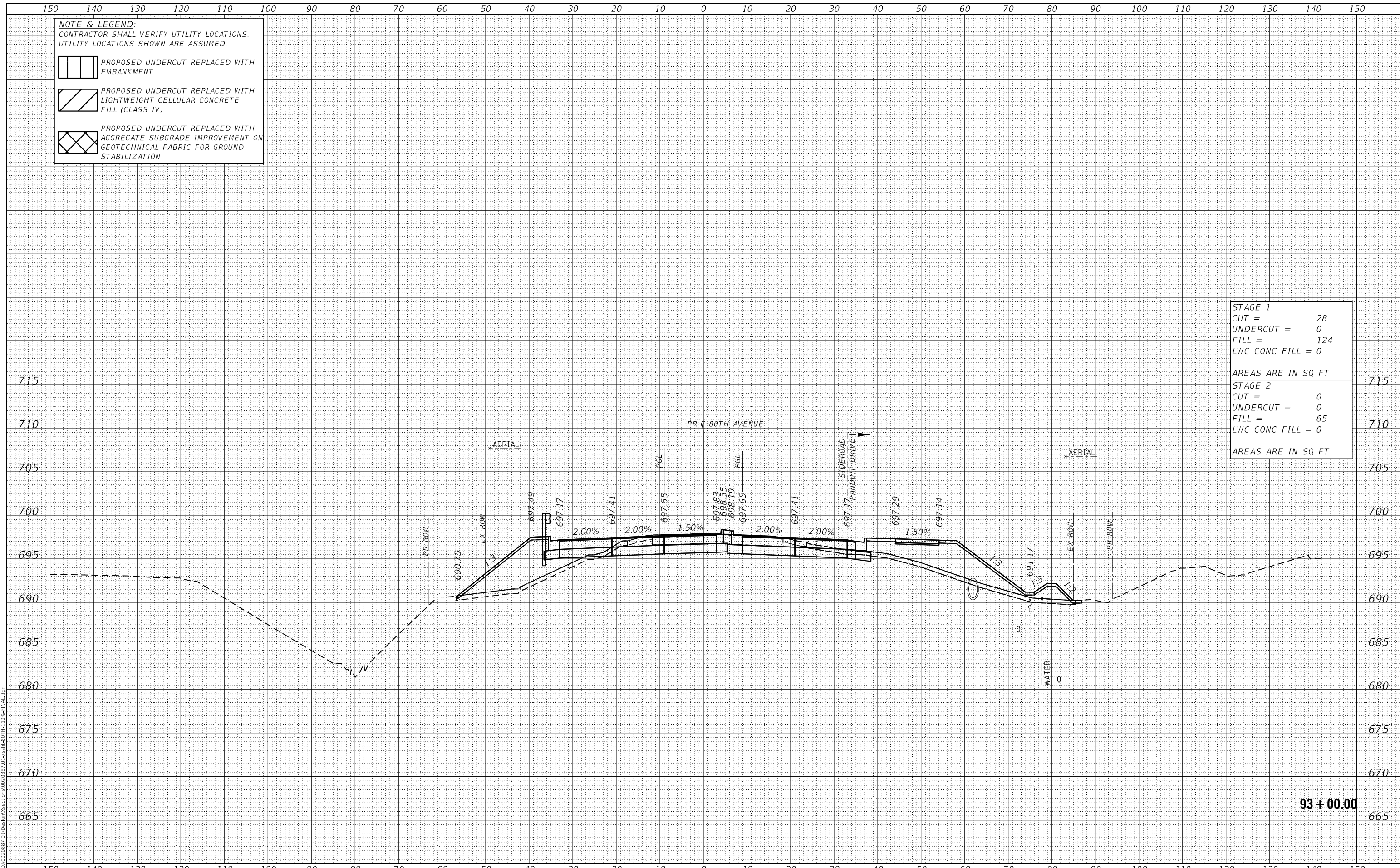
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PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	28
UNDERCUT =	0
FILL =	124
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	65
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



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USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20,0000 ' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

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

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 93+00.00 TO STA. 93+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	891
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
SURVEYED	
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TEMPLATE	
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FINAL SURVEY	
NOTE BOOK	
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DATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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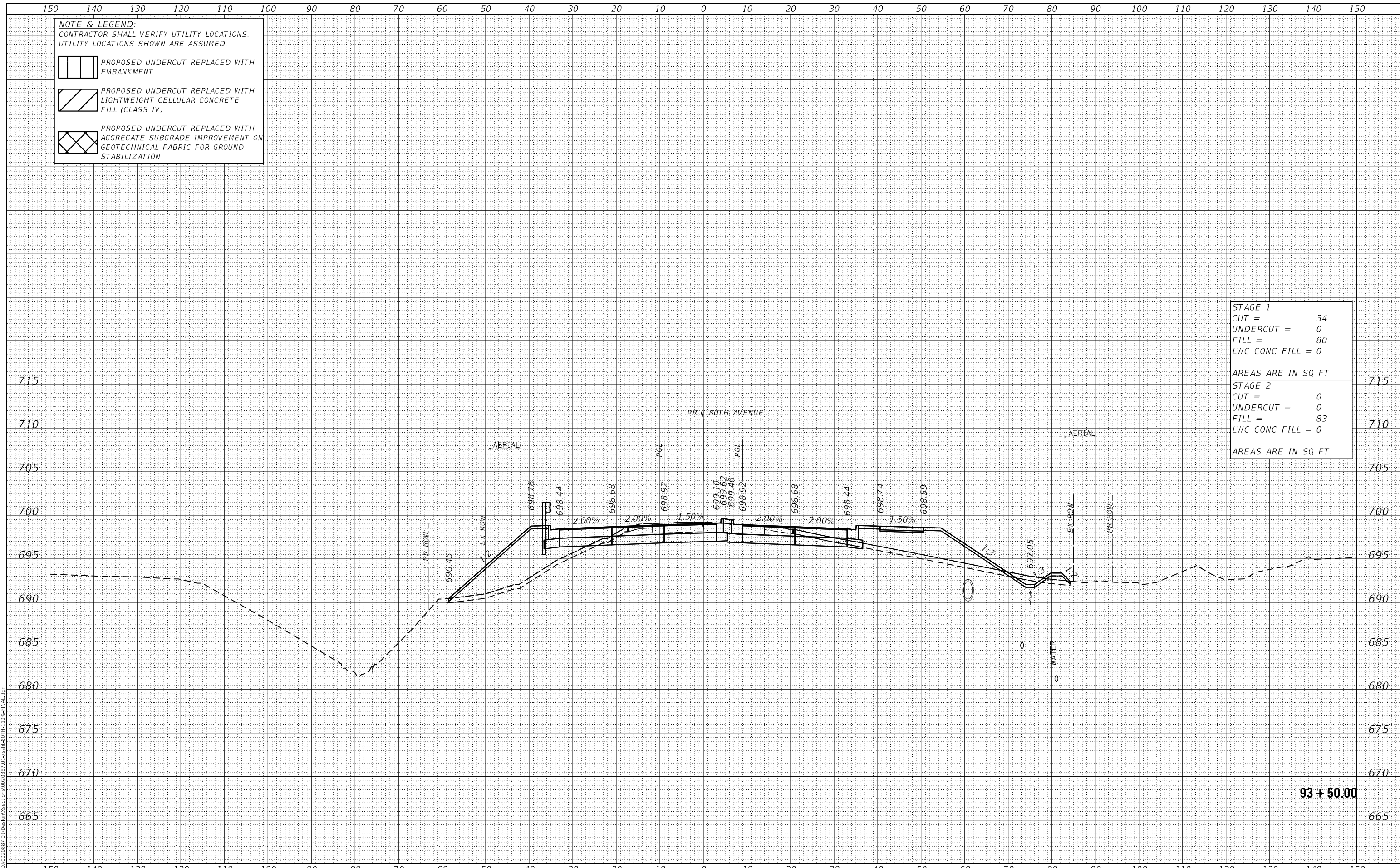
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PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	34
UNDERCUT =	0
FILL =	80
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	83
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 93+50.00 TO STA. 93+50.00


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	892
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		


DATE	
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TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
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DATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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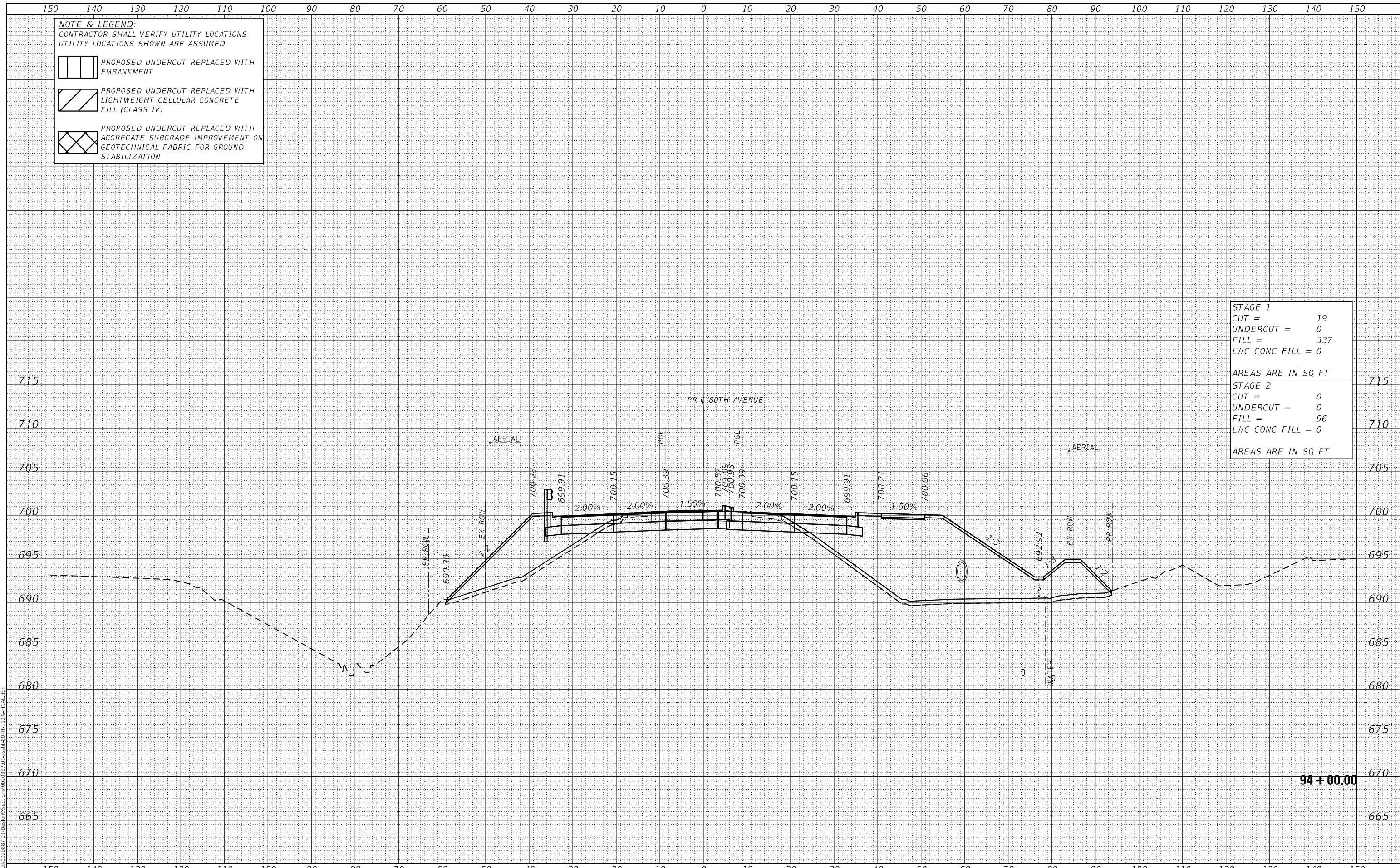
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 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	19
UNDERCUT =	0
FILL =	337
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	96
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



94 + 00.00



USER NAME =	Roadway
DESIGNED -	JPA
DRAWN -	JPA
CHECKED -	DJO
DATE -	3/3/2021
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	

DESIGNED -	JPA
DRAWN -	JPA
CHECKED -	DJO
DATE -	3/3/2021
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 94+00.00 TO STA. 94+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	893
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		

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

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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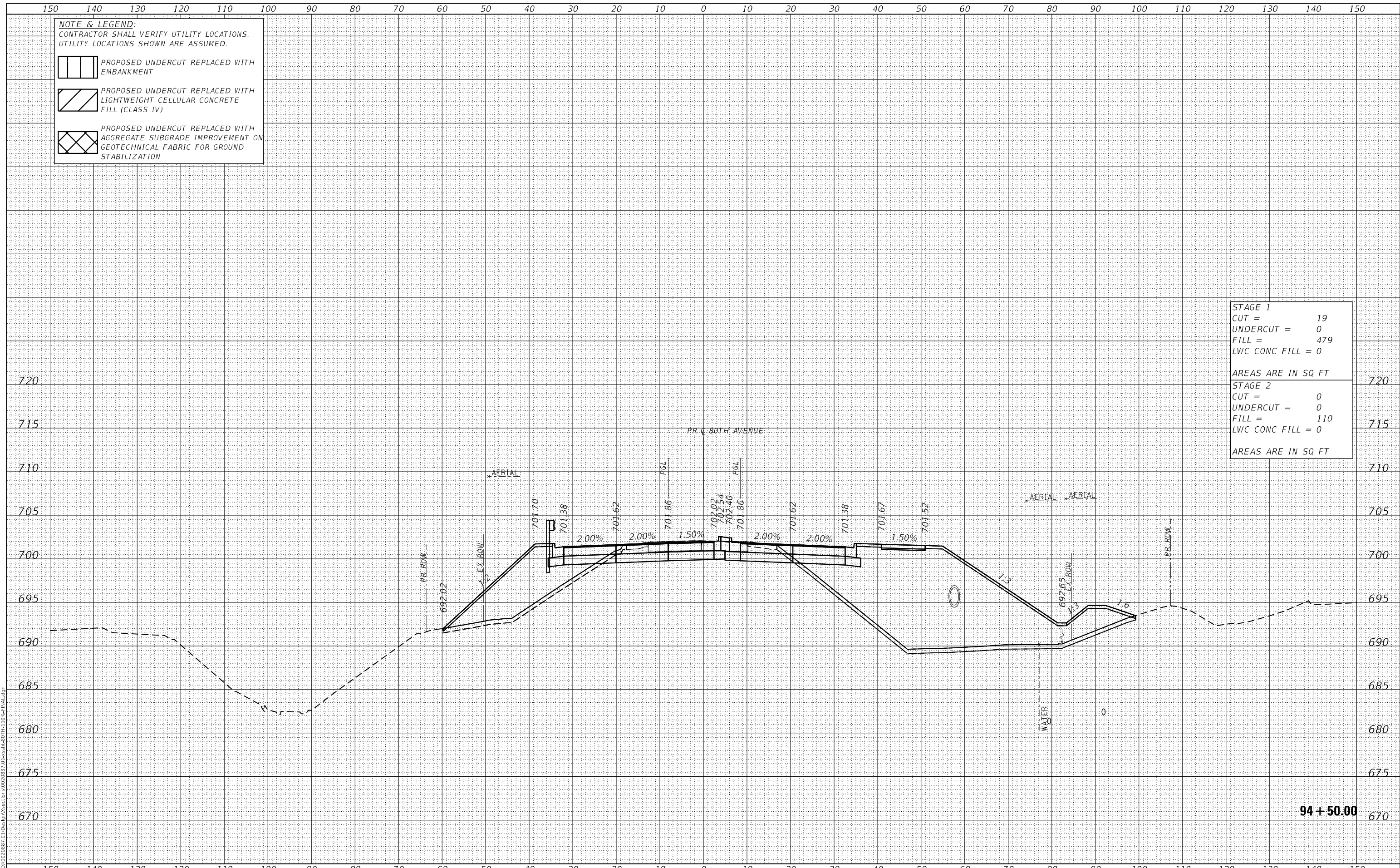
**NOTE & LEGEND:**  
 CONTRACTOR SHALL VERIFY UTILITY LOCATIONS.  
 UTILITY LOCATIONS SHOWN ARE ASSUMED.

PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	19
UNDERCUT =	0
FILL =	479
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	110
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**CiorbaGroup**  
 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631  
 P 773.775.4009 | www.ciorba.com

USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
		CHECKED -	DJO	REVISED -	
		DATE -	3/3/2021	REVISED -	
PLOT SCALE =	20,000.00' / in.				
PLOT DATE =	3/30/2021				

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 94+50.00 TO STA. 94+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	894
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		

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

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

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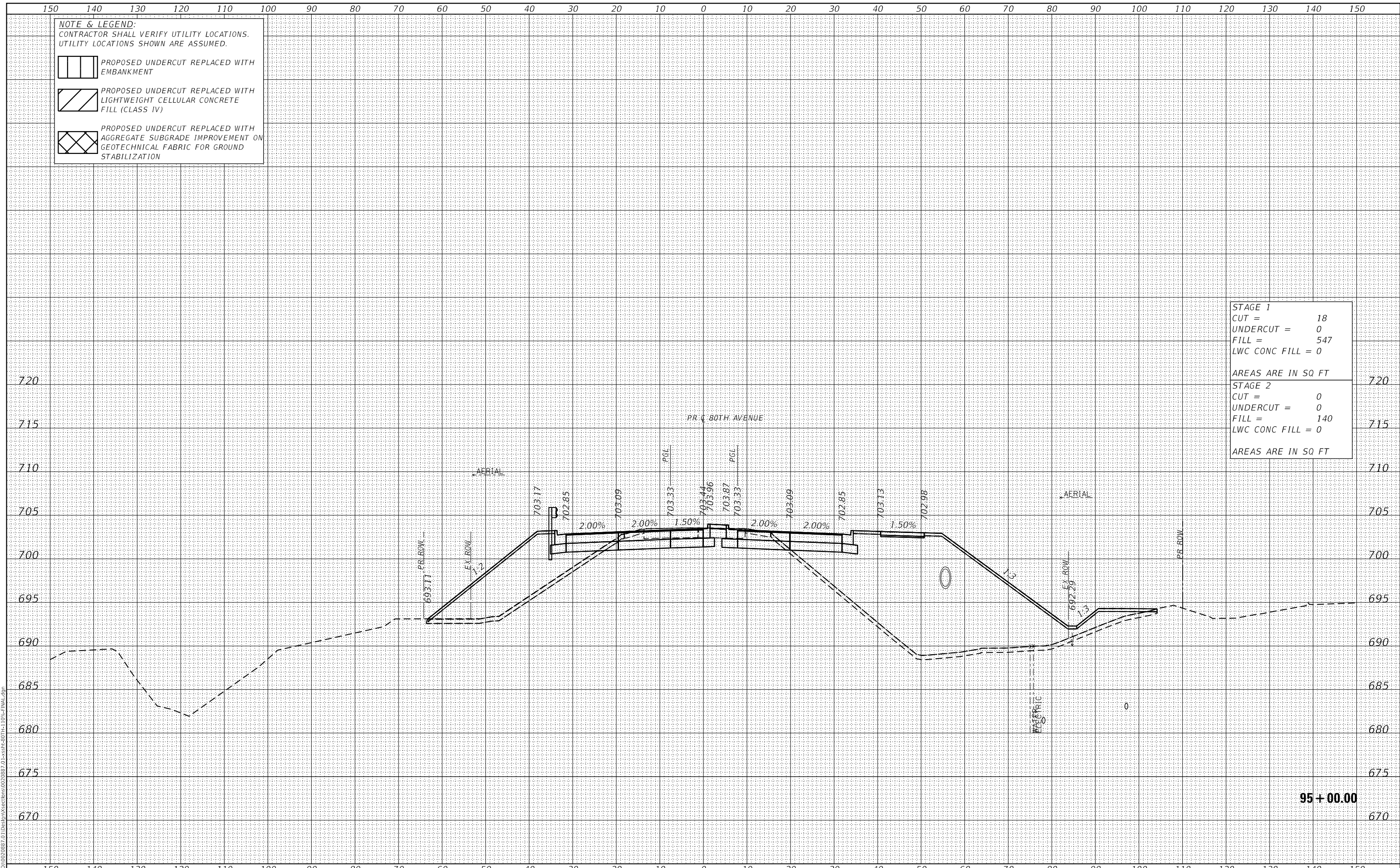
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PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	18
UNDERCUT =	0
FILL =	547
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	140
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20,000.00' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 95+00.00 TO STA. 95+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	895
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		

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

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

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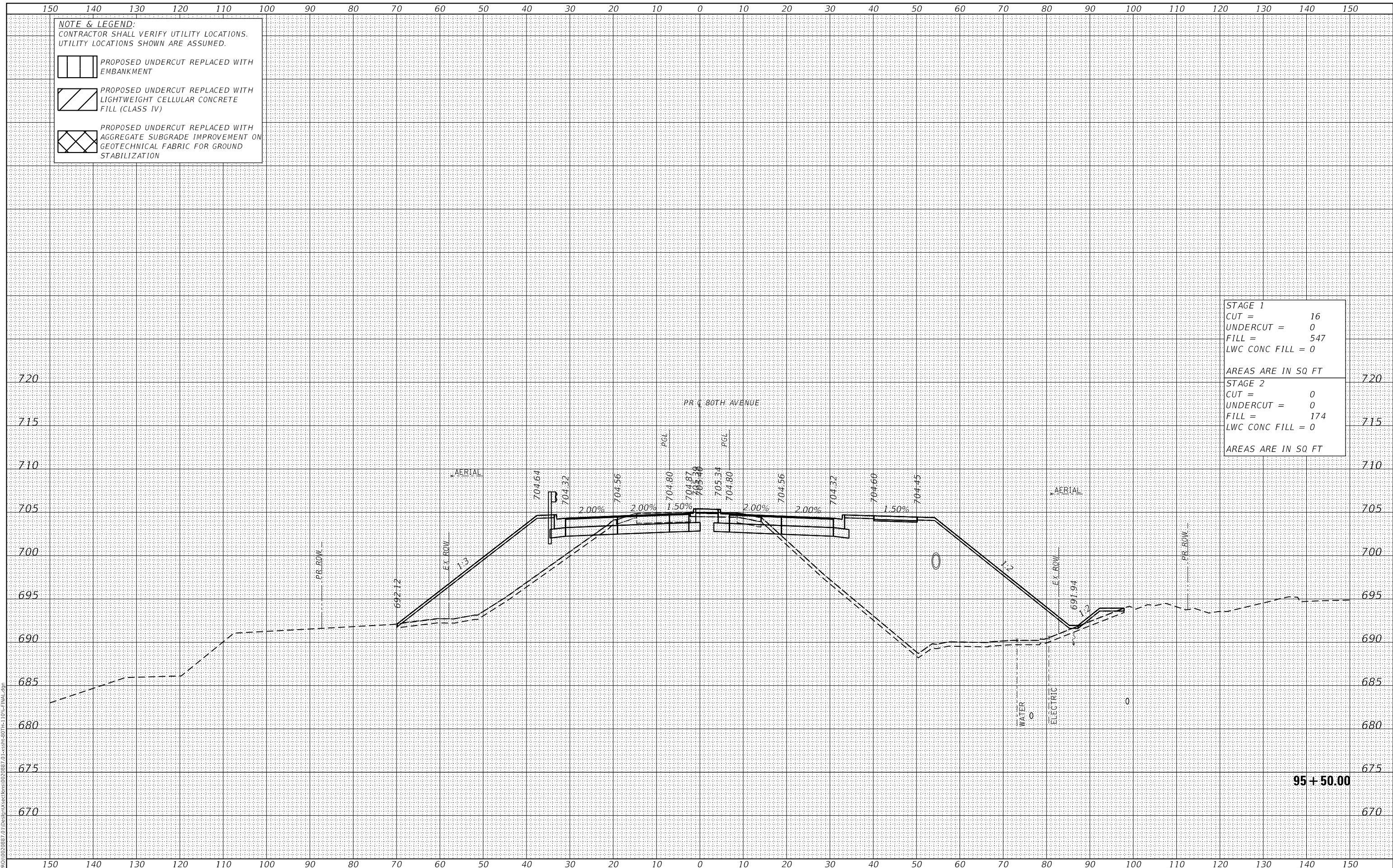
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PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	16
UNDERCUT =	0
FILL =	547
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	174
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

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

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10'    SHEET    OF    SHEETS    STA. 95+50.00    TO STA. 95+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	896
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		





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


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

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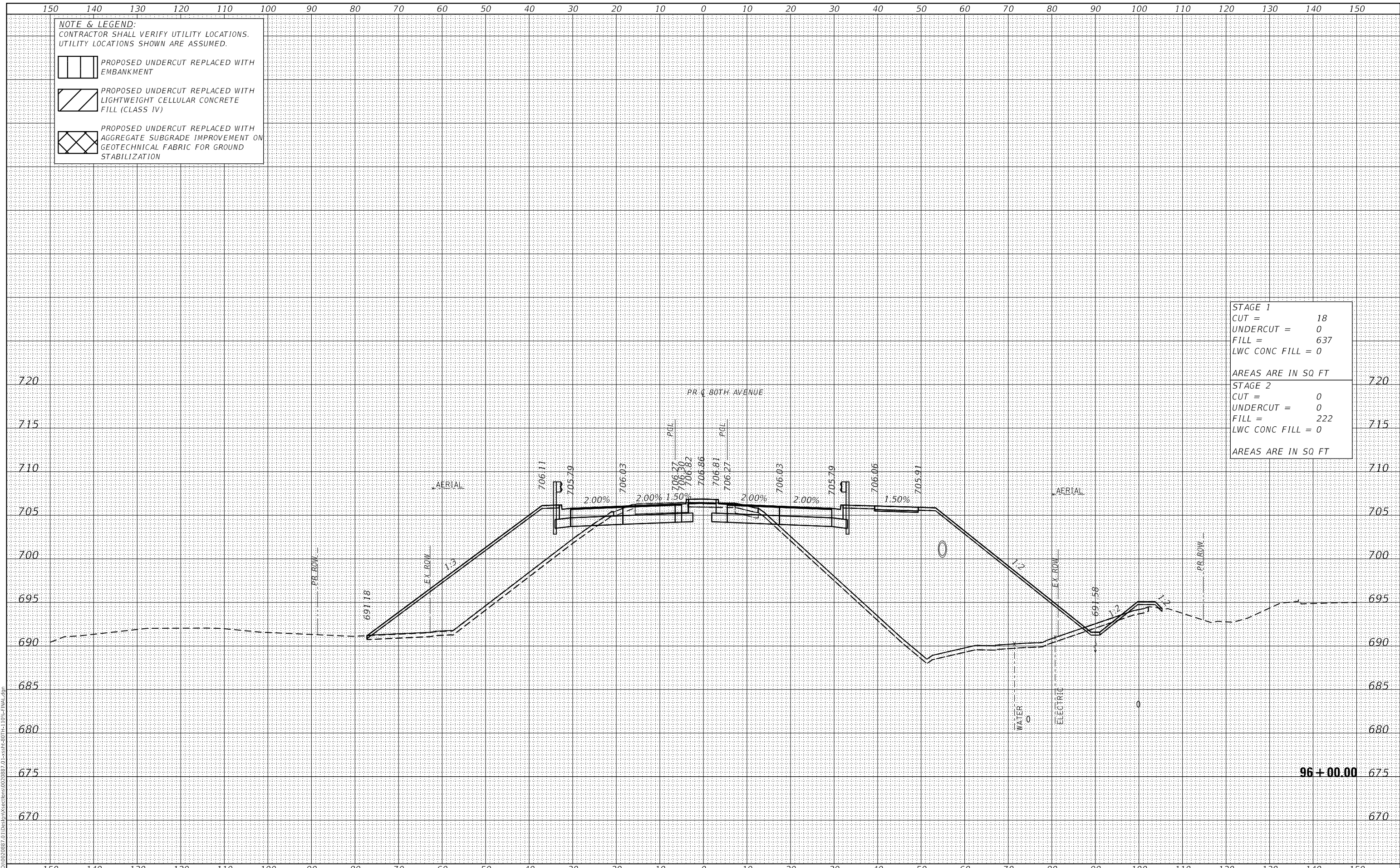
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 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	18
UNDERCUT =	0
FILL =	637
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	222
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



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USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

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

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10'    SHEET    OF    SHEETS    STA. 96+00.00    TO STA. 96+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	897
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		

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

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

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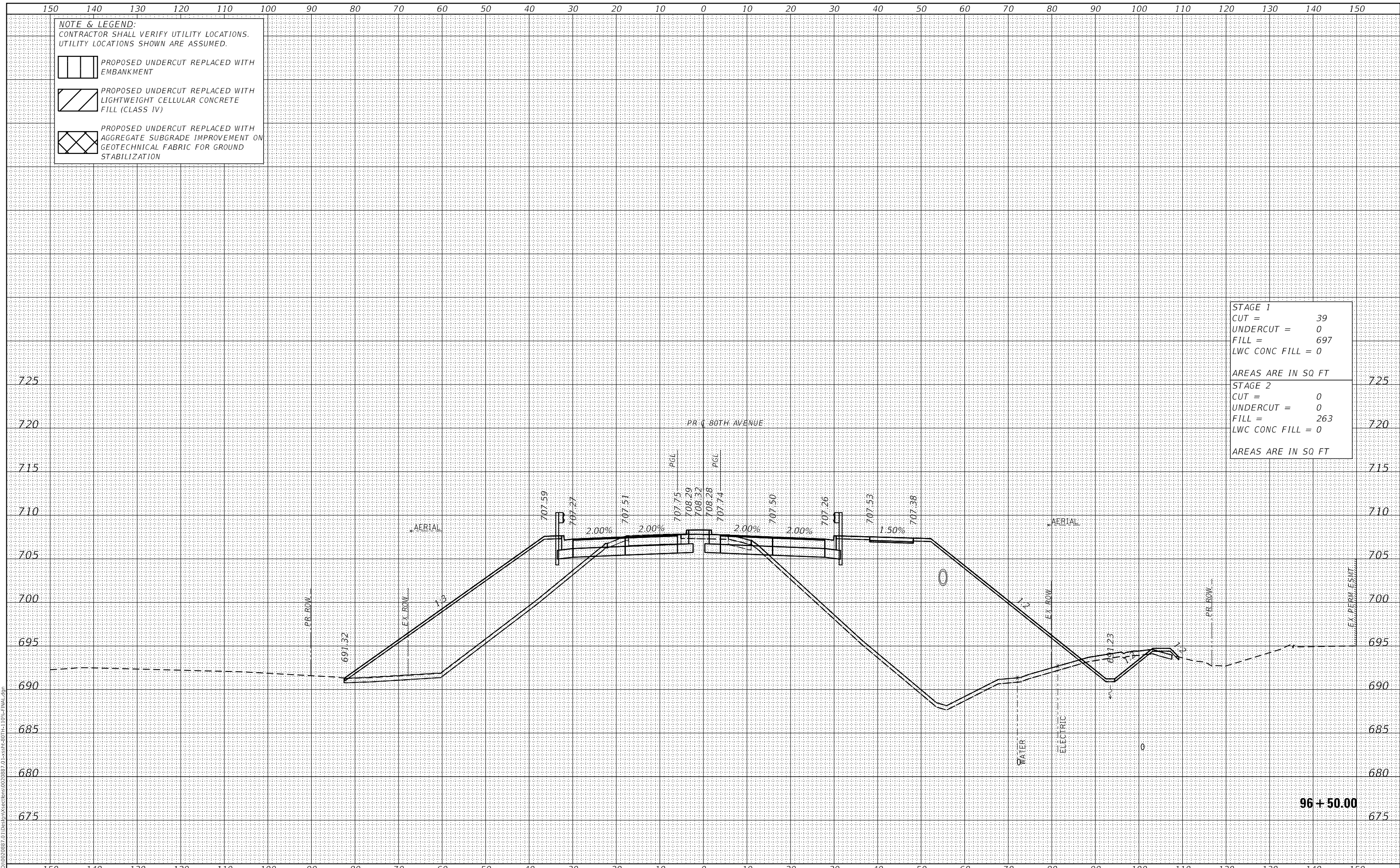
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PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

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PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	39
UNDERCUT =	0
FILL =	697
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	263
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



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USER NAME =	Roadway
DESIGNED -	JPA
DRAWN -	JPA
CHECKED -	DJO
DATE -	3/3/2021
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	

DESIGNED -	JPA
DRAWN -	JPA
CHECKED -	DJO
DATE -	3/3/2021
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	

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

**80TH AVENUE ROADWAY RECONSTRUCTION**  
**CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 96+50.00 TO STA. 96+50.00


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	898
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		


DATE	
BY	
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TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	


DATE	
BY	
SURVEYED	
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TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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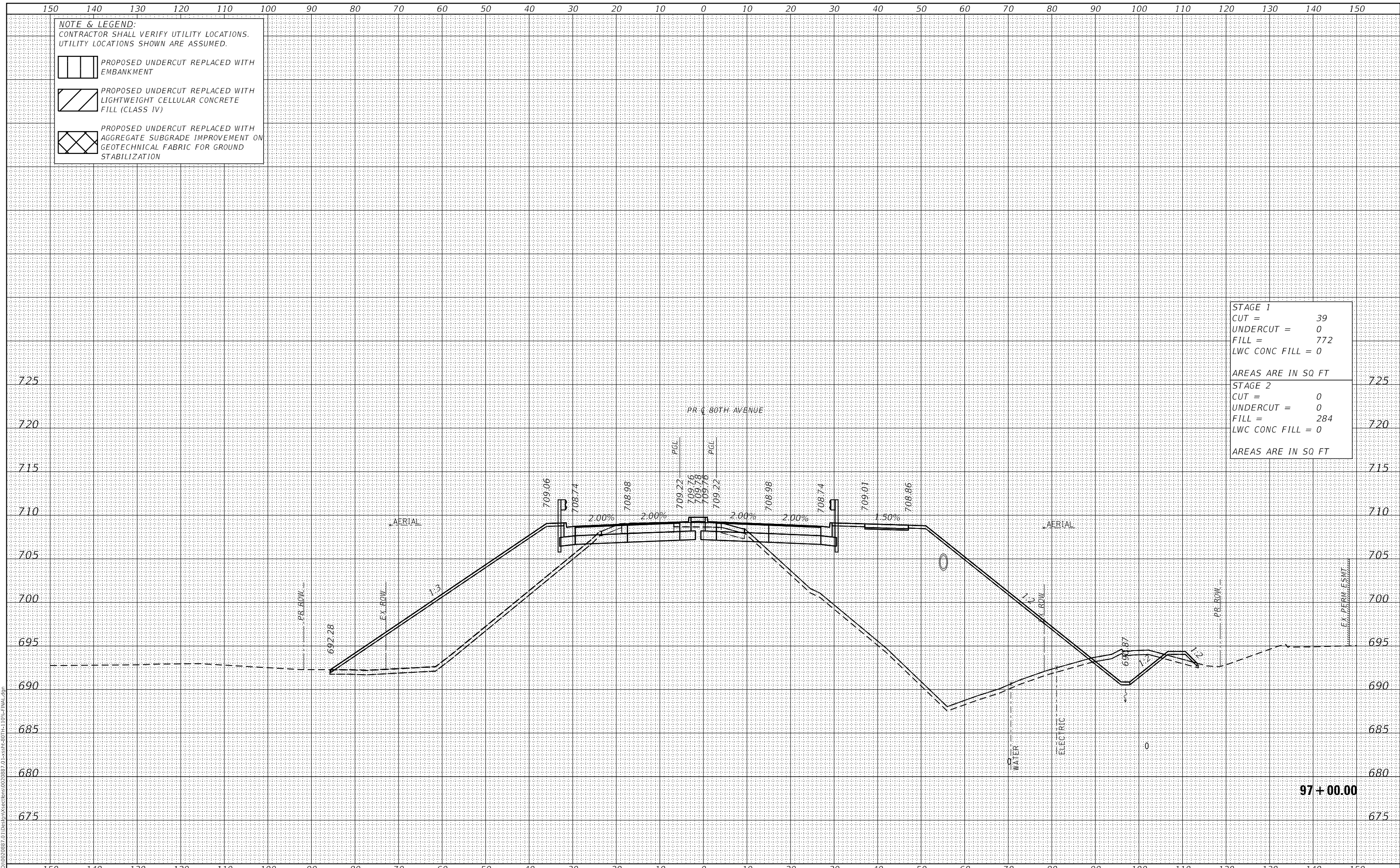
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 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	39
UNDERCUT =	0
FILL =	772
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	284
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**97 + 00.00**



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20.0000" / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 97+00.00 TO STA. 97+00.00


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	899
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		


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


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

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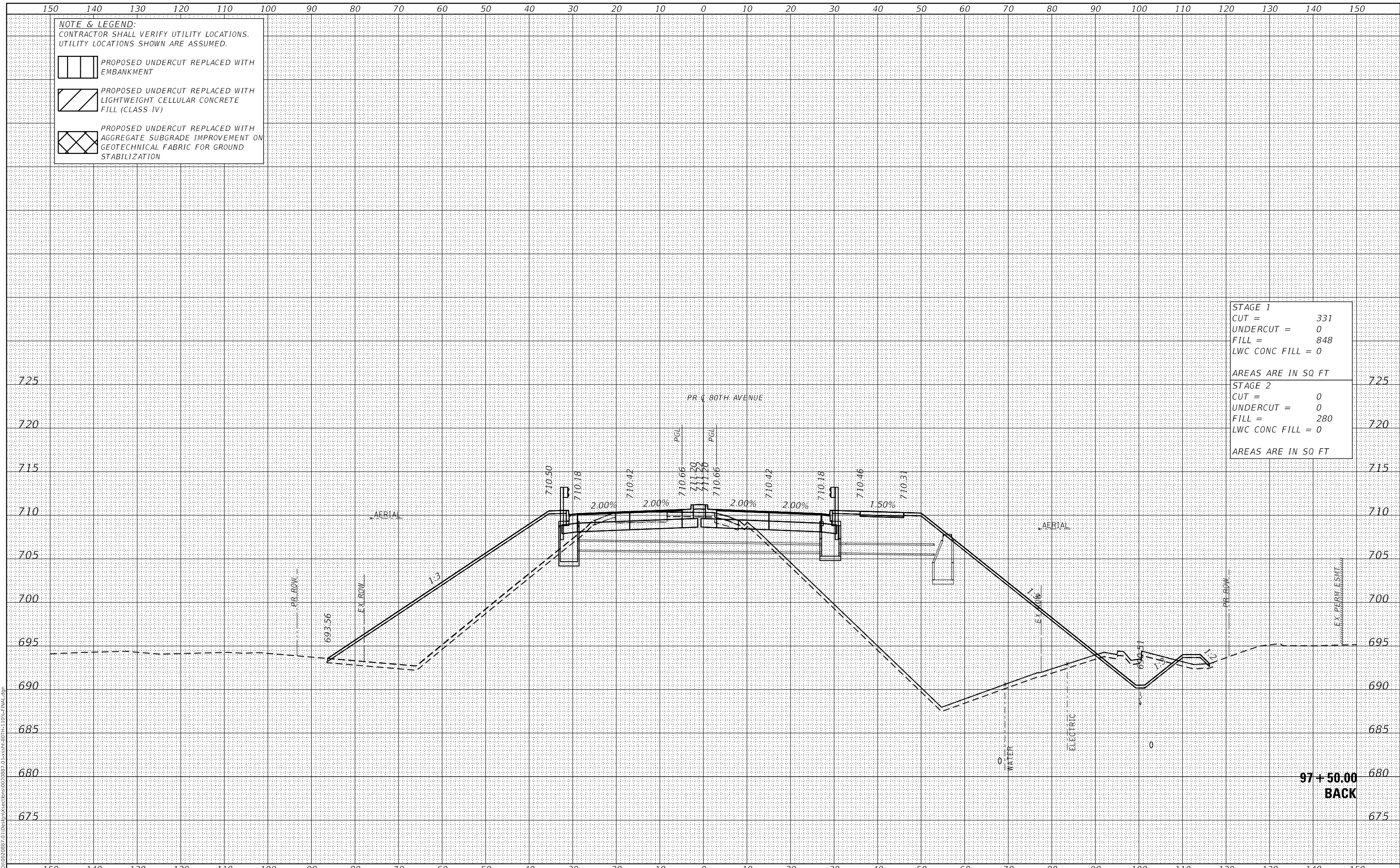
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 PROPOSED UNDERCUT REPLACED WITH EMBANKMENT

 PROPOSED UNDERCUT REPLACED WITH LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS IV)

 PROPOSED UNDERCUT REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT ON GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

<b>STAGE 1</b>	
CUT =	331
UNDERCUT =	0
FILL =	848
LWC CONC FILL =	0
AREAS ARE IN SQ FT	
<b>STAGE 2</b>	
CUT =	0
UNDERCUT =	0
FILL =	280
LWC CONC FILL =	0
AREAS ARE IN SQ FT	



**97 + 50.00  
 BACK**



USER NAME =	Roadway	DESIGNED -	JPA	REVISED -	
		DRAWN -	JPA	REVISED -	
PLOT SCALE =	20,0000 ' / in.	CHECKED -	DJO	REVISED -	
PLOT DATE =	3/30/2021	DATE -	3/30/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**80TH AVENUE ROADWAY RECONSTRUCTION  
 CROSS SECTIONS - 80TH AVENUE**

SCALE: 1" = 10' SHEET OF SHEETS STA. 97+50.00 TO STA. 97+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2755	06-00122-16-FP	WILL	1113	900
CONTRACT NO.			61G73	
ILLINOIS		FED. AID PROJECT		