

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	24	1

CONTRACT NO. 83884

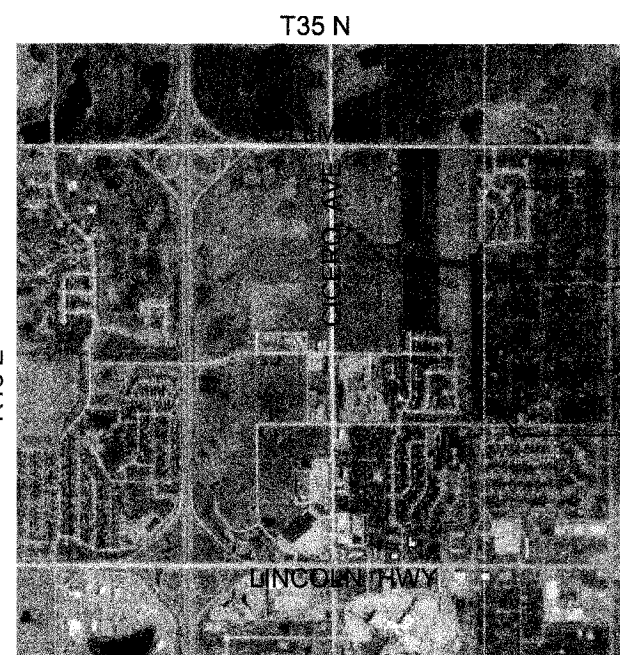
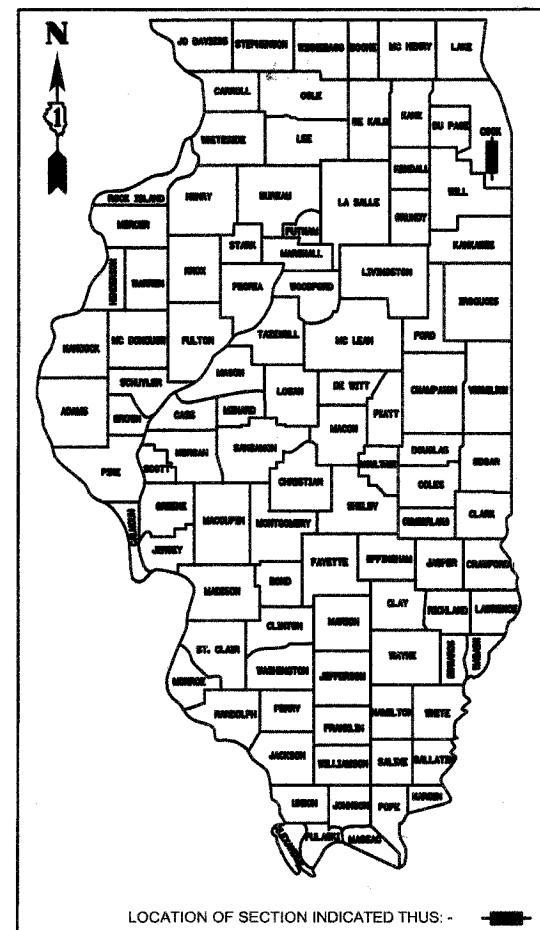
505 N. LASALLE SUITE 250
CHICAGO, IL 60610
(312)467-0123

TERRA
ENGINEERING LTD.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID PROJECT
PRESERVATION BIKE PATH

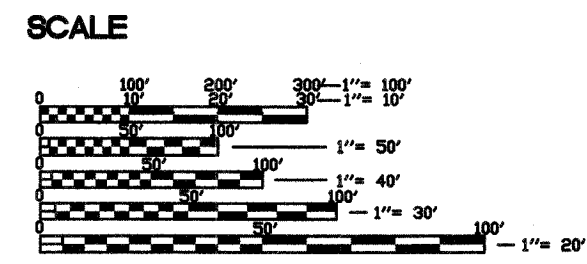
205TH ST. TO THORNWOOD AVE.
BIKE TRAIL CONSTRUCTION
SECTION 00-00048-00-BT
PROJECT NO. M8003-272
VILLAGE OF MATTESON, COOK COUNTY
JOB NO. : C-91-067-03



LOCATION MAP
PROJECT LENGTH 2163.00 FT (0.4097 MILES)

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS SEE NO. 2

DESIGN DESIGNATION
URBAN
DESIGN SPEED LIMIT
20 MPH



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JULIE
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

CONTRACT NO: 83884

MATTESON
4900 VILLAGE COMMONS
VILLAGE OF MATTESON, IL 60443

THESE PLANS COMPLY WITH THE CURRENT POLICY TO FACILITATE THE MOBILITY OF THE HANDICAPPED.

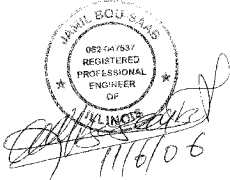
THE CONTRACTOR WILL NOT BE ALLOWED TO COMMENCE CONSTRUCTION UNTIL CERTIFICATES OF INSURANCE INDEMNIFYING THE VILLAGE OF MATTESON AND TERRA ENGINEERING, LTD. AS ADDITIONAL INSURED PARTIES HAVE BEEN DELIVERED TO AND APPROVED BY TERRA ENGINEERING, LTD.

AGENCY RESPONSIBLE FOR LETTING

Approved: *[Signature]* 11/07/06
VILLAGE ENGINEER
Local Agency Position

Passed: November 8, 2006
[Signature]
District # Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review: Nov. 8, 2006
[Signature]
Deputy Director of Highways, Region # Engineer



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

FEDERAL AID PROGRAM ENGINEER: JESSICA FELICIANO (847) 705-4487

GENERAL NOTES

Before starting any excavation, the contractor shall call "J.U.L.I.E." at 800-892-0123 for field locations of buried electric telephone and gas facilities. (48 hours notification is required).

The locations of existing utilities as shown on the plans are based on the best existing information available, but they are not guaranteed. It shall be the contractor's responsibility to ascertain their exact location from the utility companies and by field inspection. The contractor shall coordinate construction activities with utility companies.

It shall be the contractor's responsibility to verify all dimensions and conditions existing in the field prior to construction and ordering materials. Village water and sewer mains may be located in the landscape areas. The contractor will not be allowed to proceed with any planting work until all utility owners field locate their facilities which may interfere with construction operations. The actual location of proposed landscaping will be adjusted in the field to avoid utilities.

The contractor shall contact the district one traffic control supervisor at (847)705-4470 a minimum of 72 hours in advance of beginning work.

Where section or sub-section monuments are encountered, the engineer shall be notified before such monuments are removed. The contractor shall protect and carefully preserve all property markers and monuments until the owner, an authorized surveyor, or agent has witnessed their location.

The contractor shall be required to provide access to abutting property at all times during the construction of this project.

Do not scale plans for construction dimensions.

Removal of remaining under brush, debris or other miscellaneous items to allow the landscaping items placement shall be included in the unit price of Removal and Disposal of Unsuitable Material.

The contractor shall use care in grading or excavating near any and all existing items which will not be removed. Any damage done to existing items by the contractor shall be repaired by the contractor at the contractor's own expense, or replaced with new item if the engineer deems necessary.

All construction personnel will be required to wear fluorescent orange, fluorescent yellow/green or a combination of fluorescent orange and fluorescent yellow/green vest meeting the requirements of ANSI/ISEA 107-199 for Conspicuity Class 2 garments. Hard hats shall be worn by all construction personnel who are subject to material dropping from above. Compliance with these requirements will be considered as incidental to this contract

Abandoned underground utilities that may conflict with construction shall be disposed of outside the limits of the right of way according to article 202.03 of the standard specifications and as directed by the Engineer, This work will not be paid for separately but shall be included in the cost of Earth Excavation and no additional compensation will be allowed.

Any damage to underground facilities, caused by the contractor shall be repaired to the satisfaction of the Engineer at the contractor's expense, including temporary repairs which may be required to keep the facility operational while materials being obtained to make permanent repair.

The contractor shall protect underground utility structures in accordance with Article 107.20 of The Standard Specifications for Road and Bridge Construction during construction of the related items of the project. This work will not be paid for separately but shall be included in the pay items associated with the construction of the project.

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the contractor with the property owners with a copy to the engineer for short term closures.

Sign locations may vary from the stations shown on the plans in accordance with directions from the Engineer at the time of construction. Sign locations may be adjusted in the field to avoid existing utilities. Vertical holes shall be constructed at locations shown on the plans 4 inches. The holes shall be 24 inches in diameter or 24 inches square and shall be free of any obstruction, except earth, for a depth of 5 feet at the locations shown on the plans or as directed by the Engineer.

The contractor should coordinate any contract tree removal activities with the utility companies to eliminate conflicts.

The Contractor shall be responsible for protecting the newly poured concrete from vandalism, i.e., writing, bicycle tracks, etc. Any concrete that has been defaced or damaged shall be replaced by the Contractor at his own expense, as directed by the Engineers Patching of the surface will not be considered as an acceptable repair method.

A protective coat shall be applied to all gutter flags, face of curb, top of curb, sidewalk and driveway surfaces in accordance with the requirements of Section 420.18.

Saw cutting shall be done along the perimeter of the area to be removed or as directed by the Engineer where any pavement, frames and grates, structures, or driveways are to be removed, or abut existing pavement, curb and gutter, sidewalks or driveways that shall remain. This work shall be considered incidental to the Contract.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	2
STA. 9+95		TO STA. 31+58	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

INDEX OF SHEETS

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39	CROSS SECTIONS FROM STATION 31+00 TO 31+58	

HIGHWAY STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-01	AREAS OF REINFORCEMENT REBARS
001006	DECIMAL OF INCH AND FOOT
280001-03	TEMPORARY EROSION CONTROL SYSTEMS
424001-04	CURB RAMPS FOR SIDEWALK
542406	METAL END SECTION FOR PIPE ARCHES
601101	CONCRETE HEADWALL FOR PIPE DRAIN
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701801-03	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-06	TRAFFIC CONTROL DEVICES
720011	METAL POSTS FOR SIGN MARKERS TO DELINEATORS
729001	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS AND MARKERS)
780001-01	TYPICAL PAVEMENT MARKINGS

BENCHMARK ELEVATION: 701.837 (TOP OF CONCRETE MONUMENT)

DESCRIBED BY THE NATIONAL GEODETIC SURVEY IN 1971, THE BENCHMARK IS LOCATED 1.6 MILES NORTH ALONG STATE HIGHWAY 50 FROM ITS JUNCTION WITH U.S. HIGHWAY 30, THENCE WEST ON VOLLMER RD. 0.55 MILE TO OVERPASS OF INTERSTATE HIGHWAY 57, THEN WEST 0.45 MILE TO MARK ON LEFT, 62 FEET SOUTH OF THE CENTERLINE OF A PAVED ROAD NORTH OF A WOVEN FENCE, 1 FOOT WEST OF A METAL WITNESS POST AND 104 FEET EAST OF THE EXTENDED CENTERLINE OF A PAVED ROAD NORTH, SET IN THE TOP OF A ROUND CONCRETE POST PROJECTING 2 INCHES.

REVISIONS	ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME DATE	PRESERVATION BIKE PATH INDEX OF SHEET & GENERAL NOTES
	SCALE: N.T.S.
	DATE: MAY 04, 2007
	DRAWN BY: CC
	CHECKED BY: SC

505 N. LASALLE SUITE 250
CHICAGO, IL 60610
(312)467-0123



SCHEDULE OF QUANTITIES

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	3
STA. 9+95 TO STA. 31+58		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
CONTRACT NO. 83864			

ITEM	DESIGNATION	UNITS	TOTAL QUANTITY	URBAN	
				CONSTRUCTION CODE TYPE	
				Y047	X952-2A
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	80	80	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	394	394	
20200100	EARTH EXCAVATION	CU YD	790	790	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	570	570	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	150	150	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1115	1115	
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	250	250	
* 25000200	SEEDING CLASS 2	ACRE	2.5	2.5	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	250	250	
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	250	250	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	250	250	
25100630	EROSION CONTROL BLANKET	SQ YD	250	250	
28100107	STONE RIPRAP CLASS A4	SQ YD	140	140	
28200200	FILTER FABRIC	SQ YD	120	120	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	1100	1100	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	418	418	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	150	150	
42400800	DETECTABLE WARNING	SQ FT	240	240	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	20	20	
50200100	STRUCTURE EXCAVATION	CU YD	665	665	
50901760	PIPE HANDRAIL	FOOT	70		70
60100085	GEOTECHNICAL FABRIC FOR FRENCH DRAINS	SQ YD	225	225	
60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	20	20	
67100100	MOBILIZATION	L SUM	1	1	
72000100	SIGN PANEL - TYPE 1	SQ FT	108	108	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
72900100	METAL POST - TYPE A	FOOT	176	176	
73400100	CONCRETE FOUNDATIONS	CU YD	224		224
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	SQ FT	270	270	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6420	6420	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	10	10	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	50	50	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0018900	DRILL AND GROUT DOWEL BARS	EACH	2	2	
Z0019600	DUST CONTROL WATERING	UNIT	200	200	
* A2000216	TREE, ACER X FREEMAN II MARMO (MARMO FREEMAN MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1	
* A2000818	TREE, ACER PLATANOIDES CRIMSON KING, (CRIMSON KING NORWAY MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4	
* A2001716	TREE, ACER SACCHARUM (SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5	
* A2004616	TREE, GLEDITSIA TRIACANTHOS INERMIS (THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4	
* A2005116	TREE, JUGLANS NIGRA (BLACK WALNUT), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3	
* A2006416	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5	
* A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5	
* A2008016	TREE, TILIA CORDATA (LITTLE LEAF LINDEN), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4	
XX001532	PROJECT SIGN	EACH	2	2	
XX004656	EMBANKMENT	CU YD	1164	1164	
* X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ FT	936		936
* X0322792	BEDDING MATERIAL, SPECIAL	CU YD	15	15	
X0323973	SEDIMENT CONTROL, SILT FENCE	FOOT	6090	6090	
X0323974	SEDIMENT CONTROL, SILT FENCE MAINTENANCE	FOOT	6090	6090	
X0350800	BOLLARDS	EACH	8	8	

* DENOTES SPECIALTY ITEM

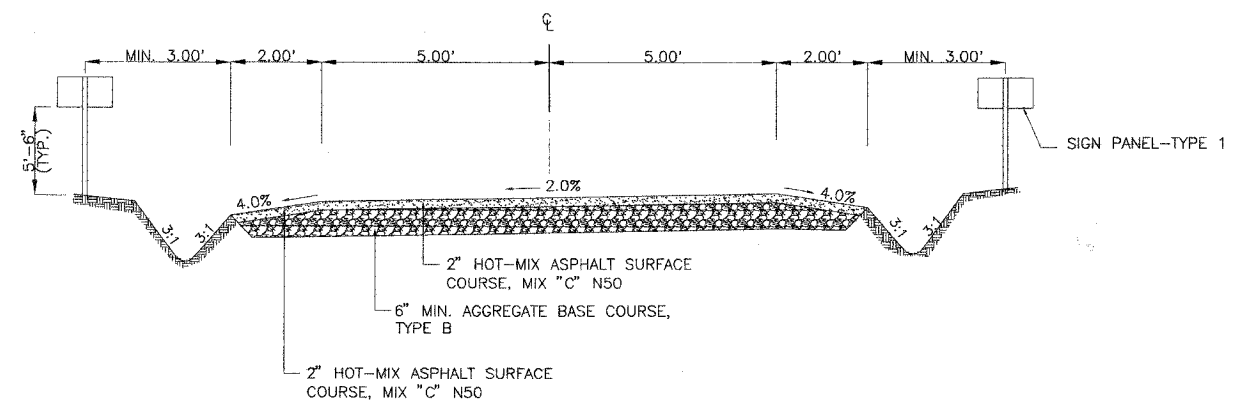
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PRESERVATION BIKE PATH SUMMARY OF QUANTITIES SCALE: N.T.S. DATE: MAY 04, 2007

505 N. LASALLE SUITE 250
 CHICAGO, IL 60610
 (312)467-0123

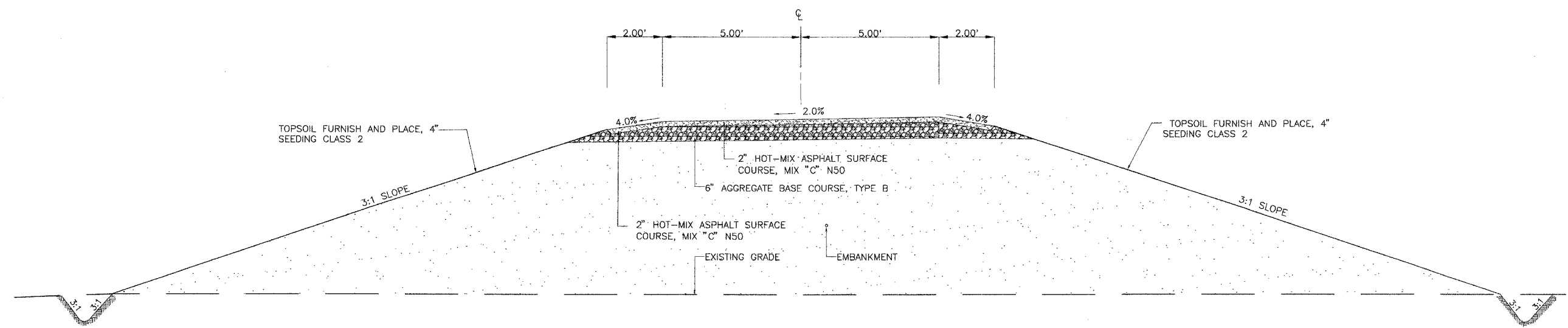


DRAWN BY: CC
CHECKED BY: SC

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	4
STA. 9+95	TO STA. 31+58		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 83864			



1 TYPICAL CROSS SECTION OF TWO WAY PATH
 STA. 9+95 TO 26+94 AND STA. 28+75 TO STA. 31+58
 SCALE: NTS



2 TYPICAL CROSS SECTION OF TWO WAY PATH
 STA. 27+66 TO STA. 28+75
 SCALE: NTS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AC TYPE	AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	PG 64-22	4% @ 50 Gyr

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL BITUMINOUS SURFACE MIXTURES IS 112 LBS/SQ YD/IN

NOTE: THE EXISTING CONDITIONS CONSISTS OF TOP SOIL AND CLAY

505 N. LASALLE SUITE 250
 CHICAGO, IL 60610
 (312)467-0123



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PRESERVATION BIKE PATH
 PROPOSED TYPICAL SECTIONS
 SCALE: N.T.S. DRAWN BY: CC
 DATE: MAY 04, 2007 CHECKED BY: SC

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	6
STA. 9+95 TO STA. 31+58			
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT	
CONTRACT NO. 83864			

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION

1. DURING ROADWAY CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION SLOPE LIMITS, AS OUTLINED PREVIOUSLY HEREIN, SHALL BE PROTECTED FROM DAMAGING EFFECTS OF CONSTRUCTION. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESIGNATED ON THE PLANS OR DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.

2. WITHIN THE CONSTRUCTION ZONE, CRITICAL AREAS THAT HAVE HIGH FLOWS OF WATER AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL-SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

3. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.

4. EXCAVATED AREAS AND EMBANKMENTS SHALL BE PERMANENTLY SEEDED OR SODDED WHEN FINAL GRADED. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR FOURTEEN DAYS AT NO ADDITIONAL COST.

5. CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUN-OFF IN COMPLIANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

6. THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT ON A REGULAR BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

SEEDING AND EROSION CONTROL PLAN					
BEGINNING STATION	ENDING STATION	LENGTH (FT)	WIDTH (FT)	WEIGHT (LB)	TYPE
9+95	26+88	3500			1
27+74	31+08	700			1
20+24	24+30	390	80		2
27+72	28+75	90	90		2
27+72 RT	28+75 RT	125	12		3
27+72 RT	28+75 RT	125	12		3
9+95 RT	11+75 RT	175			4
20+18 RT	24+25 RT	407			4
26+10 RT	27+00 RT	90			4
26+10 LT	27+00 LT	90			4
27+70 RT	29+00 RT	130			4
27+70 LT	29+00 LT	130			4
30+00	31+14 RT	114			4
32+75 LT	32+75 LT	710			4
9+95	26+88	3500		200	5
27+74	31+08	700		50	5
9+95	26+88	3500		200	6
27+74	31+08	700		50	6
9+95	26+88	3500		200	7
27+74	31+08	700		50	7

TYPE

- 1 SEDIMENT CONTROL SILT FENCE
- 2 SEEDING
- 3 EROSION CONTROL BLANKET
- 4 TEMPORARY EROSION CONTROL
- 5 NITROGEN FERTILIZER NUTRIENT
- 6 PHOSPHORUS FERTILIZER NUTRIENT
- 7 POTASSIUM FERTILIZER NUTRIENT

TREE REPLACEMENT

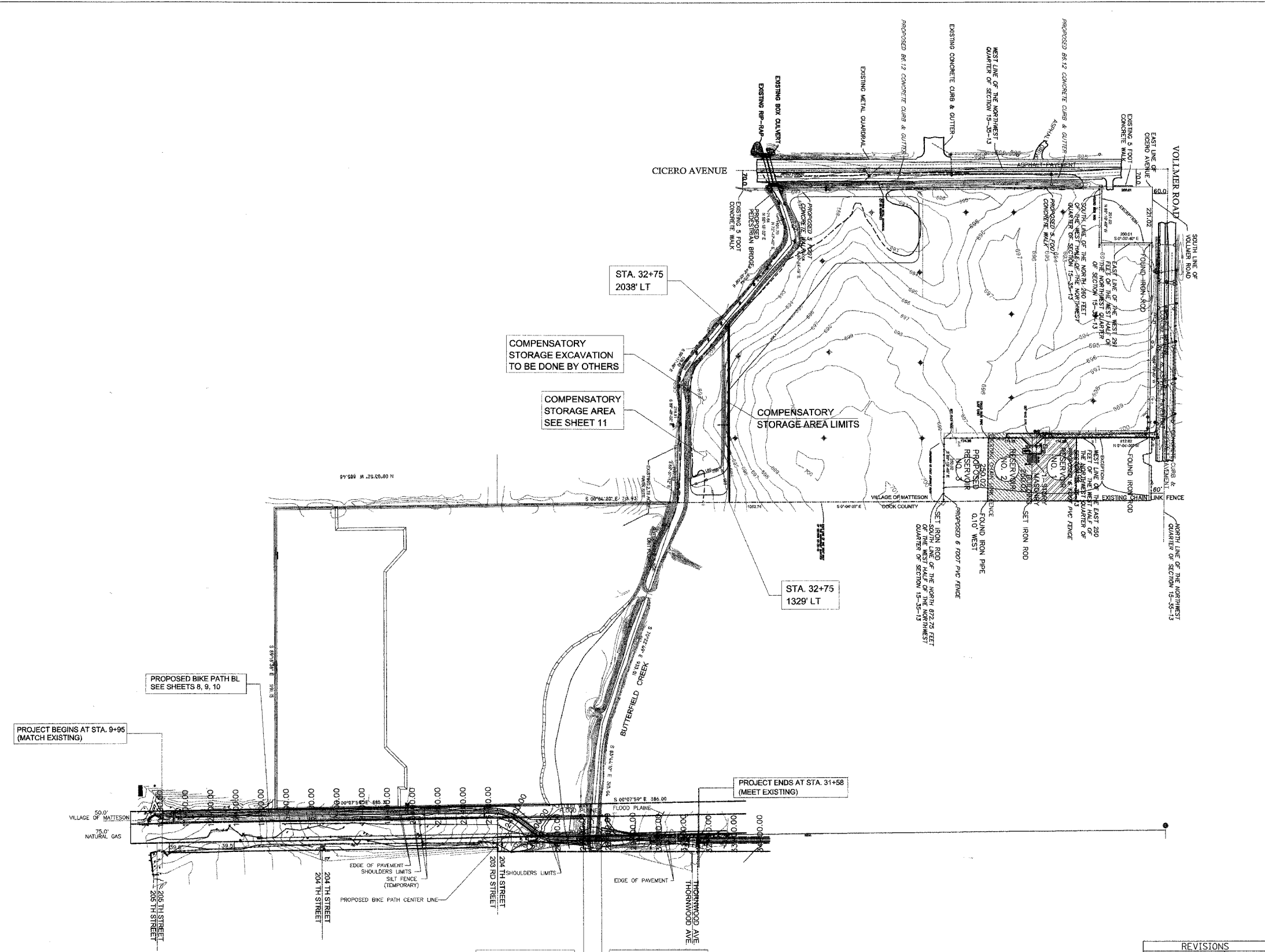
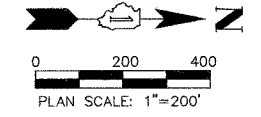
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	ACER X FREEMAN II MARMO	ACER PLATANOIDES CRIMSON KING	ACER SACCHARUM	GLEDITSIA TRIACANTHOS INERMIS	JUGLANS NIGRA	QUERCUS ALBA	QUERCUS MACROCARPA	TILIA CORDATA
	MARMO FREEMAN MAPLE	CRIMSON KING NORWAY MAPLE	SUGAR MAPLE	THORNLESS COMMON HONEYLOCUST	BLACK WALNUT	WHITE OAK	BUR OAK	LITTLE LEAF LINDEN
	2" MM	2" CKM	2" SM	2" G	2" BW	2" WO	2" BO	2" LL
LOCATION	RT. 29+31.0	RT. & LT. 14+88.0 - 30+36.0	RT. & LT. 15+05.0 - 31+00.0	RT. & LT. 12+10.0 - 20+25.0	RT. & LT. 15+70.0 - 27+73.0	RT. & LT. 11+05.0 - 28+33.0	RT. & LT. 17+33.0 - 28+48.0	RT. & LT. 12+95.0 - 30+15.0
	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
QUANTITIES	1	4	5	4	3	5	5	4
TOTAL	1	4	5	4	3	5	5	4

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PRESERVATION BIKE PATH SEEDING AND EROSION CONTROL PLAN
SCALE: N.T.S.	DATE: MAY 04, 2007	DRAWN BY: CC CHECKED BY: SC

505 N. LASALLE SUITE 250
CHICAGO, IL 60610
(312)467-0123



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	7
STA. 9+95 TO STA. 31+58			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 83864			



LEGEND

---	FLOOD PLAIN
---	GRADING STORAGE
---	EXISTING CONTOURS
---	VILLAGE OF MATTESON/COOK COUNTY LIMITS
---	STREETS CENTERLINE
---	BRIDGE
---	BASELINE

NOTE:
THIS SHEET IS SHOWN FOR INFORMATION ONLY

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PRESERVATION BIKE PATH SITE PLAN (KEY PLAN)

SCALE: 1"=200'
DATE: MAY 04, 2007

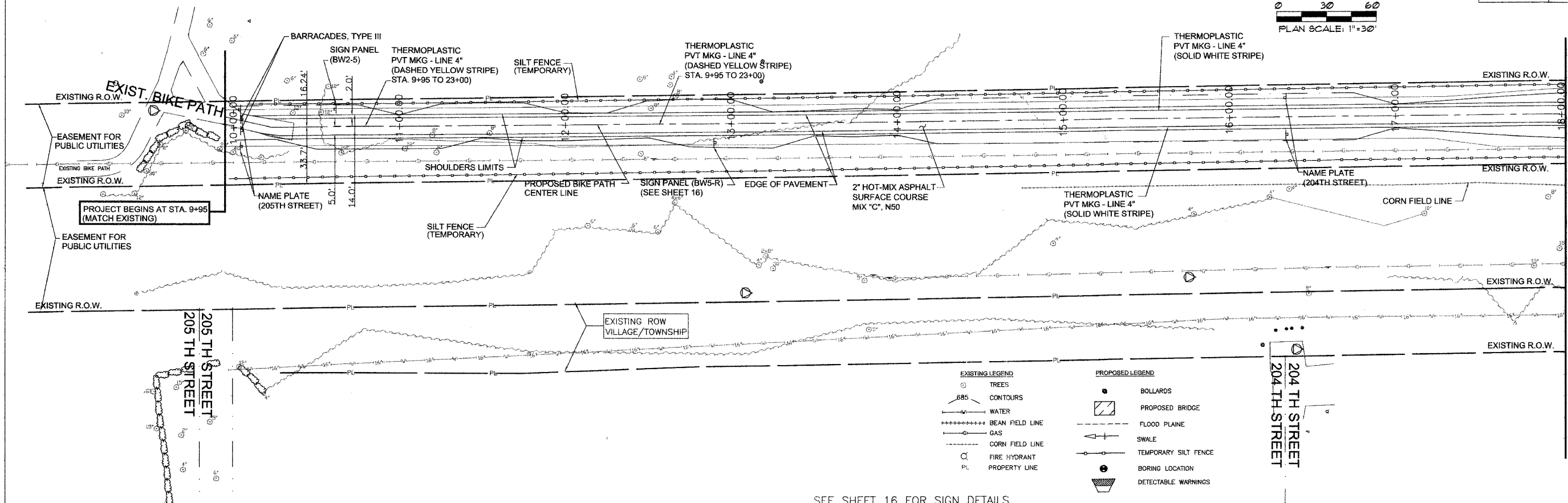
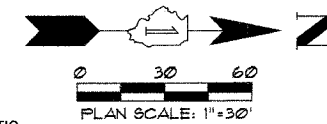
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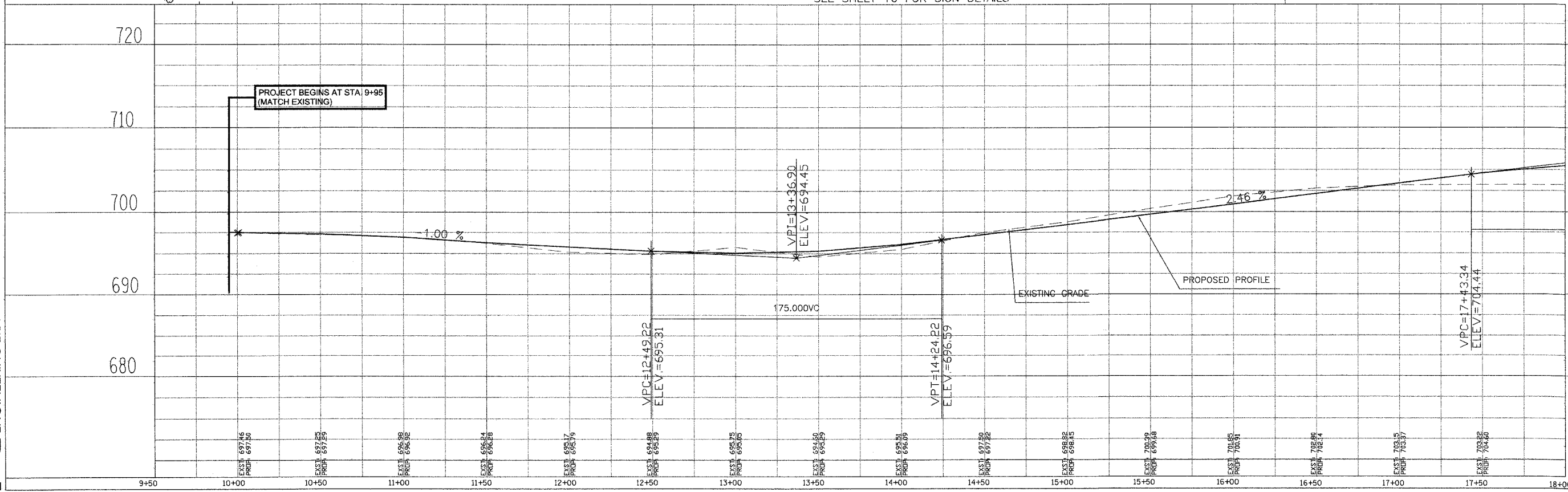
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	8
STA. 9+95 TO STA. 18+00			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

CONTRACT NO. 83864



- | EXISTING LEGEND | PROPOSED LEGEND |
|--|---|
| <ul style="list-style-type: none"> ○ TREES --- CONTOURS --- WATER ++++ BEAN FIELD LINE --- GAS --- CORN FIELD LINE ○ FIRE HYDRANT P. PROPERTY LINE | <ul style="list-style-type: none"> ● BOLLARDS ▭ PROPOSED BRIDGE --- FLOOD PLANE --- SWALE --- TEMPORARY SILT FENCE ● BORING LOCATION ▭ DETECTABLE WARNINGS |

SEE SHEET 16 FOR SIGN DETAILS

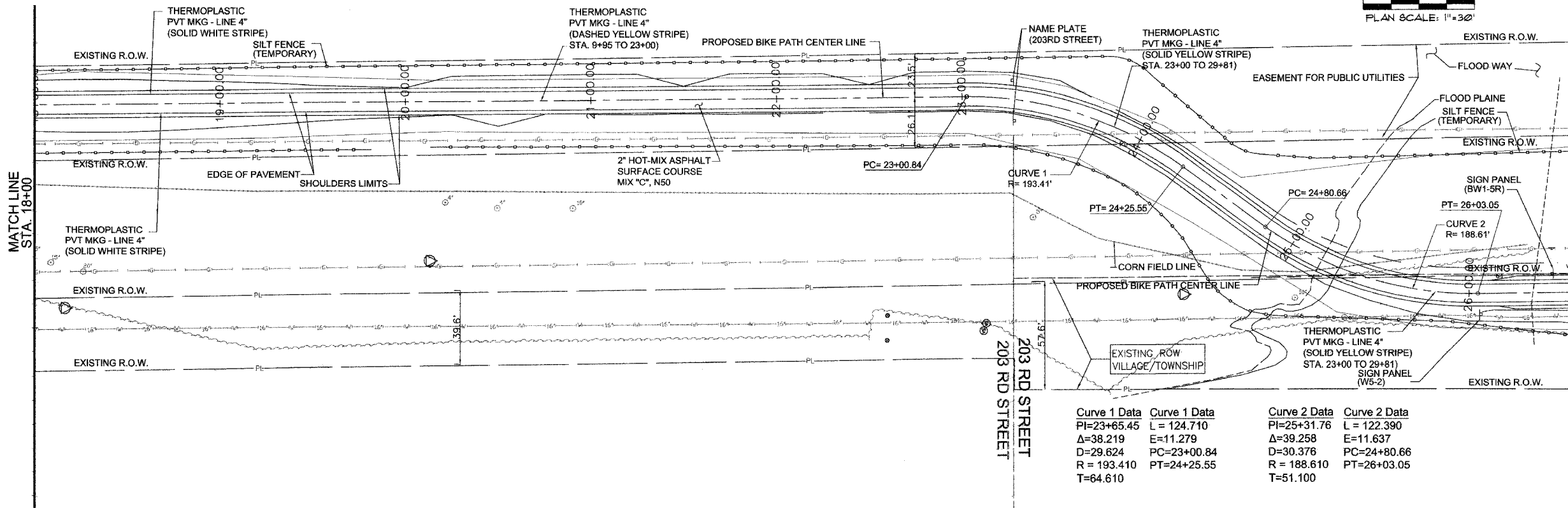
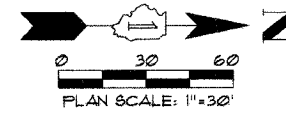


1" = 30' HORI.
1" = 6' VERT.

505 N. LASALLE SUITE 250
CHICAGO, IL 60610
(312)467-0123



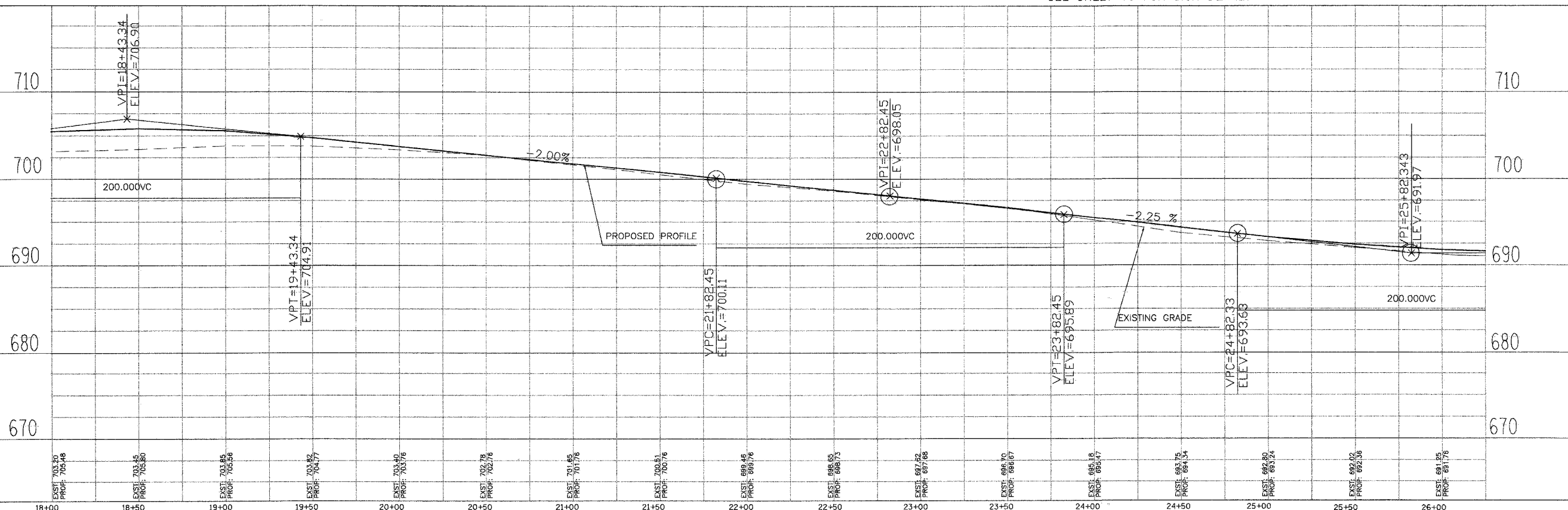
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	9
STA. 18+00 TO STA. 26+50		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
CONTRACT NO. 833864			



Curve 1 Data	Curve 1 Data	Curve 2 Data	Curve 2 Data
PI=23+65.45	L = 124.710	PI=25+31.76	L = 122.390
Δ=38.219	E=11.279	Δ=39.258	E=11.637
D=29.624	PC=23+00.84	D=30.376	PC=24+80.66
R = 193.410	PT=24+25.55	R = 188.610	PT=26+03.05
T=64.610		T=51.100	

- EXISTING LEGEND**
- TREES
 - CONTOURS
 - WATER
 - BEAN FIELD LINE
 - GAS
 - CORN FIELD LINE
 - FIRE HYDRANT
- PROPOSED LEGEND**
- BOLLARDS
 - ▨ PROPOSED BRIDGE
 - FLOOD PLANE
 - SWALE
 - TEMPORARY SILT FENCE
 - BORING LOCATION
 - ▨ DETECTABLE WARNINGS

SEE SHEET 16 FOR SIGN DETAILS



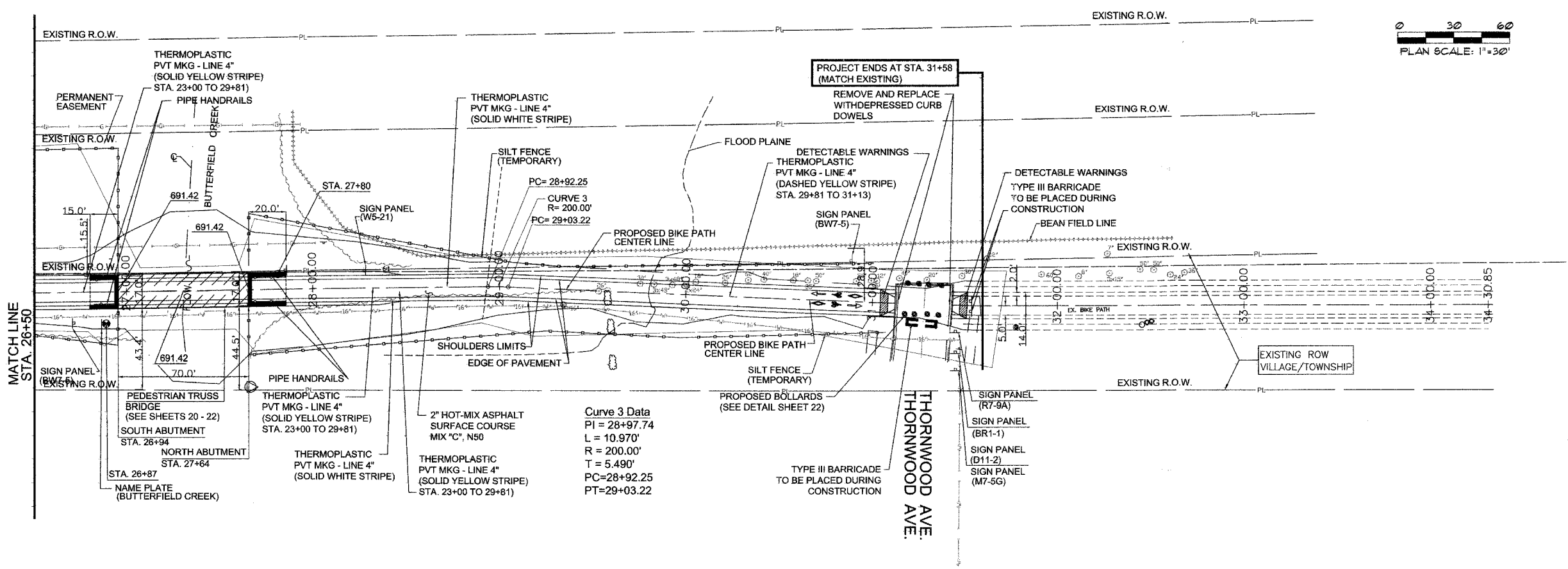
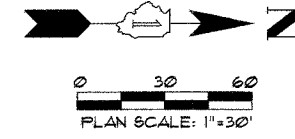
1" = 30' HORI.
1" = 6' VERT.

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(312)467-0123



EXIST. 703.70 PROF. 705.48	EXIST. 703.45 PROF. 705.80	EXIST. 703.85 PROF. 705.56	EXIST. 703.82 PROF. 704.77	EXIST. 703.40 PROF. 705.76	EXIST. 702.78 PROF. 702.76	EXIST. 701.45 PROF. 701.76	EXIST. 700.51 PROF. 700.76	EXIST. 699.46 PROF. 695.76	EXIST. 698.85 PROF. 696.73	EXIST. 697.52 PROF. 697.66	EXIST. 696.70 PROF. 696.67	EXIST. 695.18 PROF. 694.17	EXIST. 693.75 PROF. 684.34	EXIST. 692.80 PROF. 685.24	EXIST. 692.00 PROF. 682.38	EXIST. 691.25 PROF. 681.76
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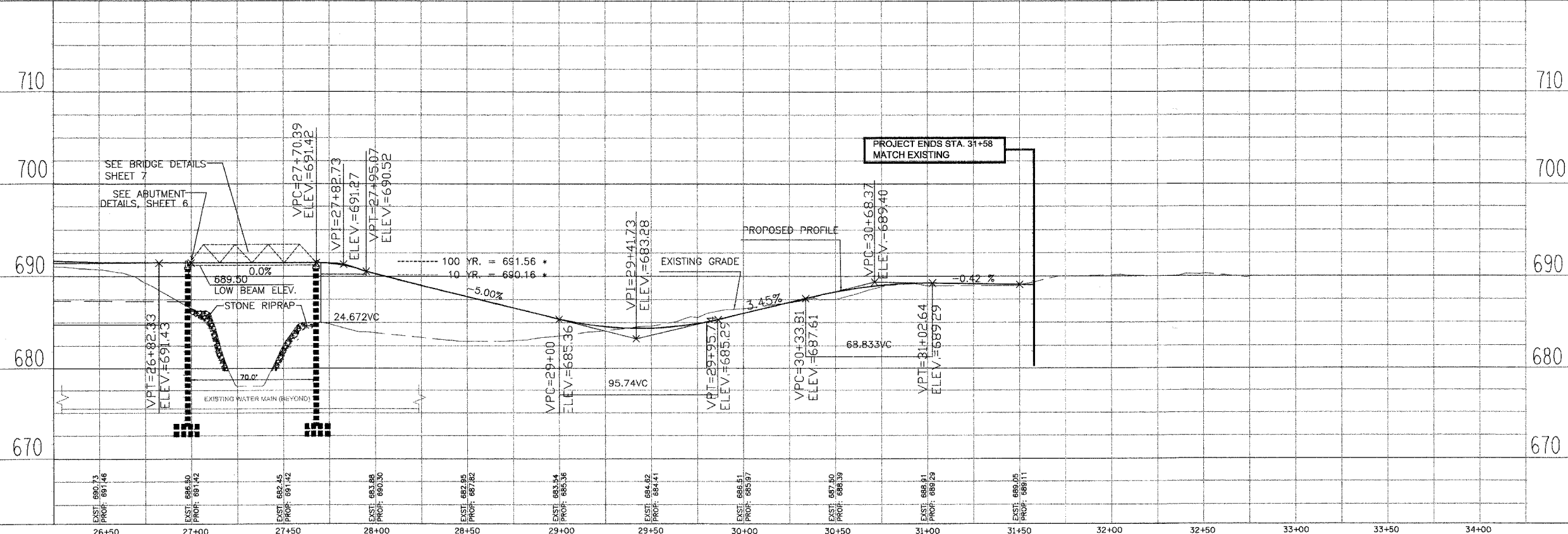
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	10
STA. 26+50 TO STA. 31+58			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
CONTRACT NO. B3864			



- EXISTING LEGEND**
- TREES
 - CONTOURS
 - WATER
 - BEAN FIELD LINE
 - GAS
 - CORN FIELD LINE
 - FIRE HYDRANT
- PROPOSED LEGEND**
- BOLLARDS
 - PROPOSED BRIDGE
 - FLOOD PLAIN
 - SWALE
 - TEMPORARY SILT FENCE
 - BORING LOCATION
 - DETECTABLE WARNINGS

Curve 3 Data
 PI = 28+97.74
 L = 10.970'
 R = 200.00'
 T = 5.490'
 PC = 28+92.25
 PT = 29+03.22

SEE SHEET 16 FOR SIGN DETAILS



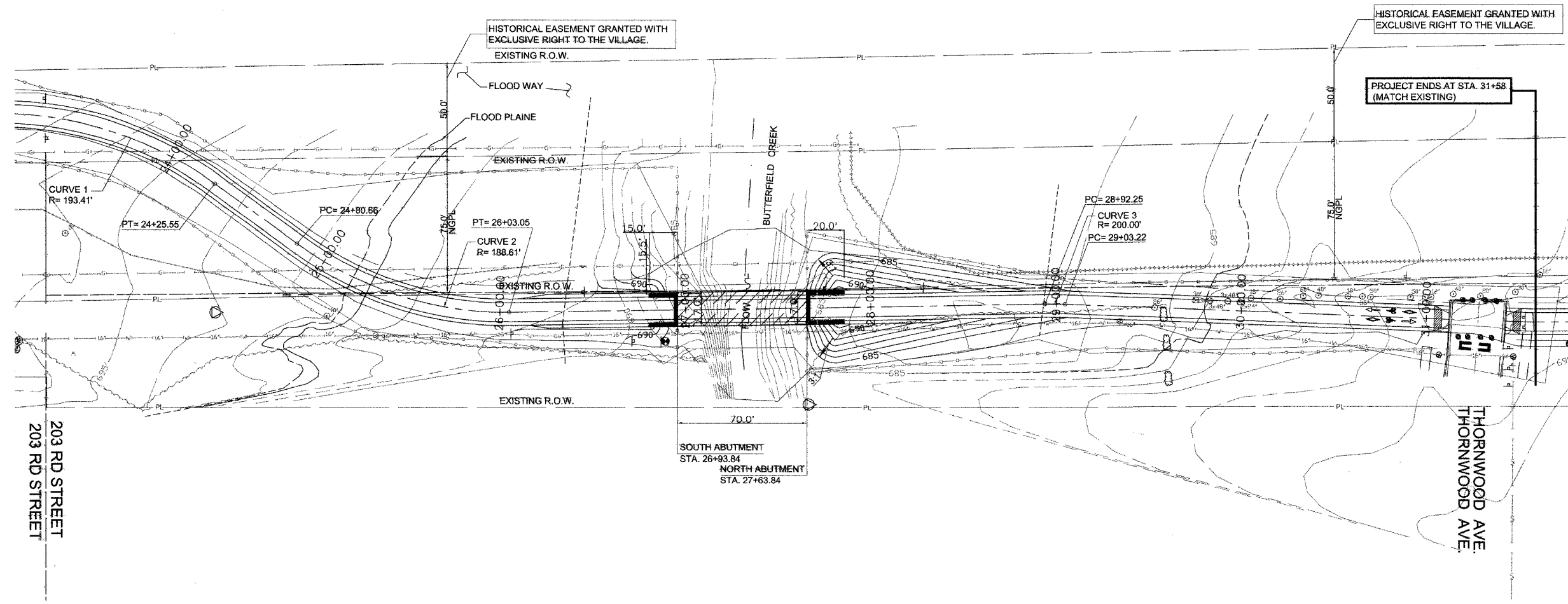
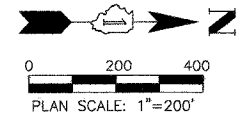
*** NOTE:**
 ELEVATION ADJUSTED BY
 0.44' TO MATCH THE
 DIFFERENCE BETWEEN
 FEMA BENCH MARK AND
 THE VILLAGE OF MATTESSON
 BENCH MARK.
 FEMA 100 YR : 692.00
 FEMA 10 YR : 690.60

1" = 30' HORI.
 1" = 6' VERT.

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	11
STA. 9+95	TO STA. 31+58		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT	
CONTRACT NO. 83864			



- EXISTING LEGEND**
- ⊙ TREES
 - 685 CONTOURS
 - WATER
 - +++++ BEAN FIELD LINE
 - GAS
 - CORN FIELD LINE
 - ⊙ FIRE HYDRANT
- PROPOSED LEGEND**
- PL PROPERTY LINE
 - BOLLARDS
 - ▭ PROPOSED BRIDGE
 - FLOOD PLAIN
 - SWALE
 - TEMPORARY SILT FENCE
 - ⊙ BORING LOCATION
 - ▭ DETECTABLE WARNINGS

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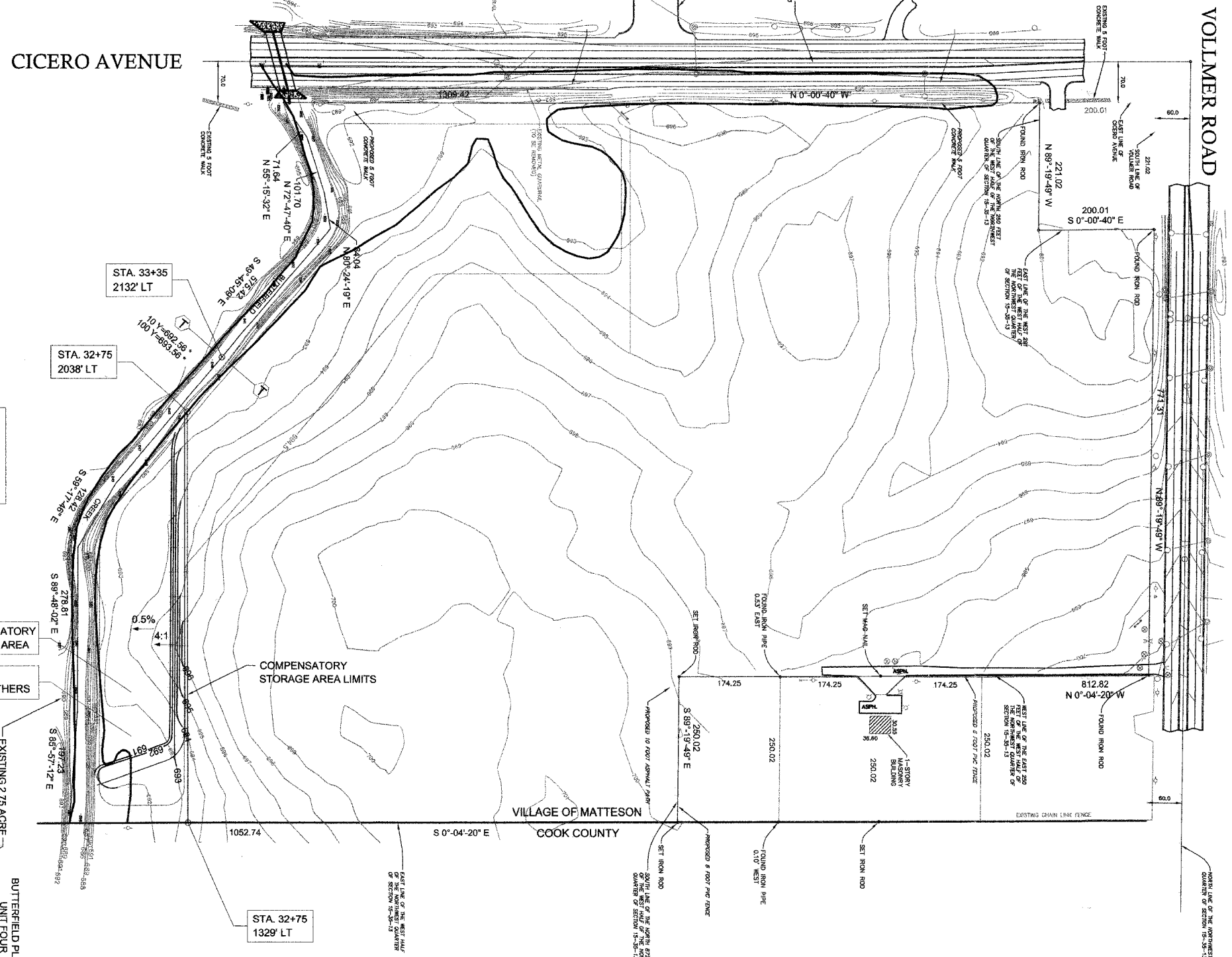
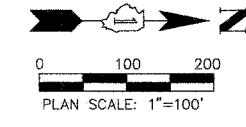
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PRESERVATION BIKE PATH
GRADING PLAN

SCALE: 1"=30'
DATE: MAY 04, 2007
DRAWN BY: CC
CHECKED BY: SC

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	12
STA. 9+95	TO STA. 31+58		
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT		
CONTRACT NO. 83864			



AVAILABLE COMPENSATORY STORAGE VOLUMES
 V_{0-10} = 1612 CY
 V_{10-100} = 2057 CY

- LEGEND**
- FLOOD PLAIN
 - GRADING STORAGE
 - EXISTING CONTOURS
 - FEMA CROSS SECTION
 - SILT FENCE
 - EXISTING FENCE

NOTE:
 THIS SHEET IS SHOWN FOR INFORMATION ONLY

*** NOTE:**
 ELEVATION ADJUSTED ACCORDING TO VILLAGE OF MATTESSON BENCH MARK.
 FEMA 100 YR : 694.00
 FEMA 10 YR : 693.00

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

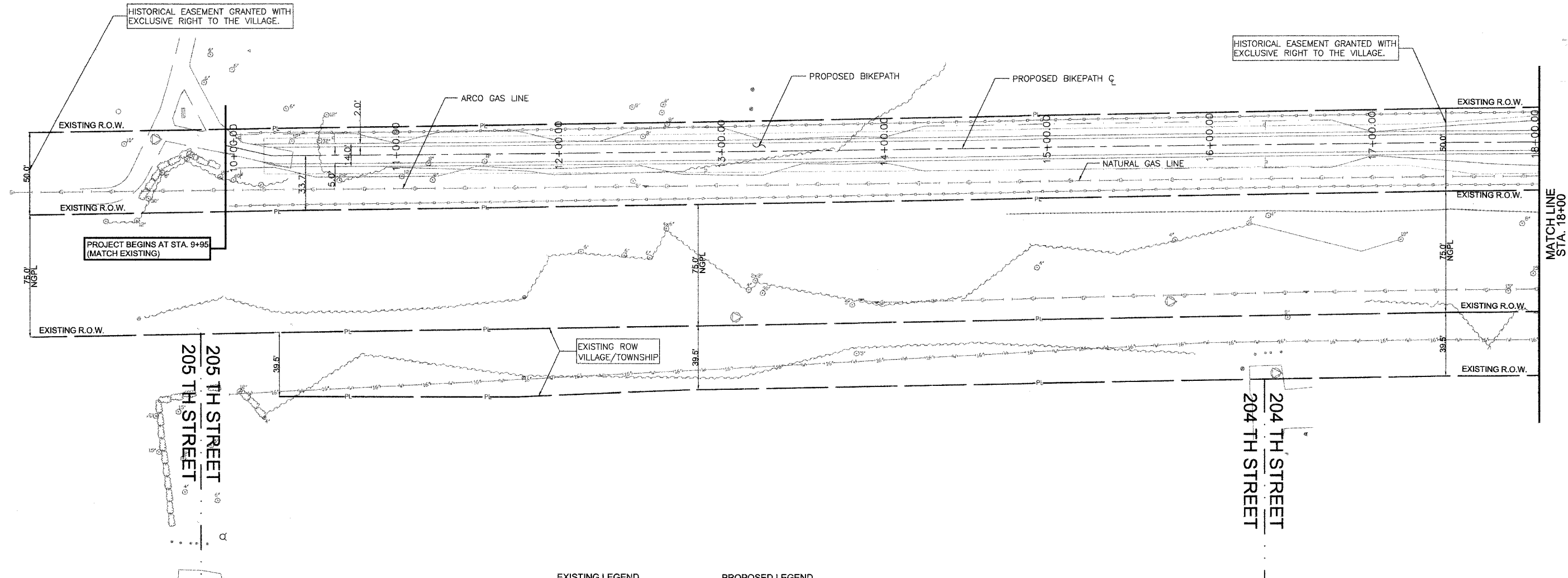
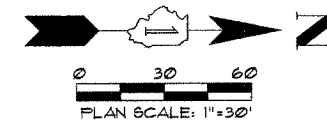
 PRESERVATION BIKE PATH
 COMPENSATORY STORAGE PLAN

SCALE: 1"=100'
 DATE: MAY 04, 2007
 DRAWN BY: CC
 CHECKED BY: SC

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 CHICAGO, IL 60610
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	13
STA. 9+95 TO STA. 31+58			
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT	
CONTRACT NO. 83864			



- EXISTING LEGEND**
- ⊙ TREES
 - WATER
 - BEAN FIELD LINE
 - GAS
 - CORN FIELD LINE
 - ⊕ FIRE HYDRANT
 - PROPERTY LINE
 - EXISTING R.O.W.
 - FLOOD PLANE

- PROPOSED LEGEND**
- ⊙ BOLLARDS
 - ▨ PROPOSED BRIDGE
 - TEMPORARY SILT FENCE
 - ⊙ BORING LOCATION
 - PROPOSED BIKE PATH
 - PROPOSED EASEMENT LIMITS
 - ▨ PROPOSED PERMANENT EASEMENT

TOTAL PROPOSED PERMANENT EASEMENT
 A = 0.60 AC
 A = 26,095 SQ FT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PRESERVATION BIKE PATH

RIGHT OF WAY 9+95.00 - 18+00.00

SCALE: 1"=30'

DATE: MAY 04, 2007

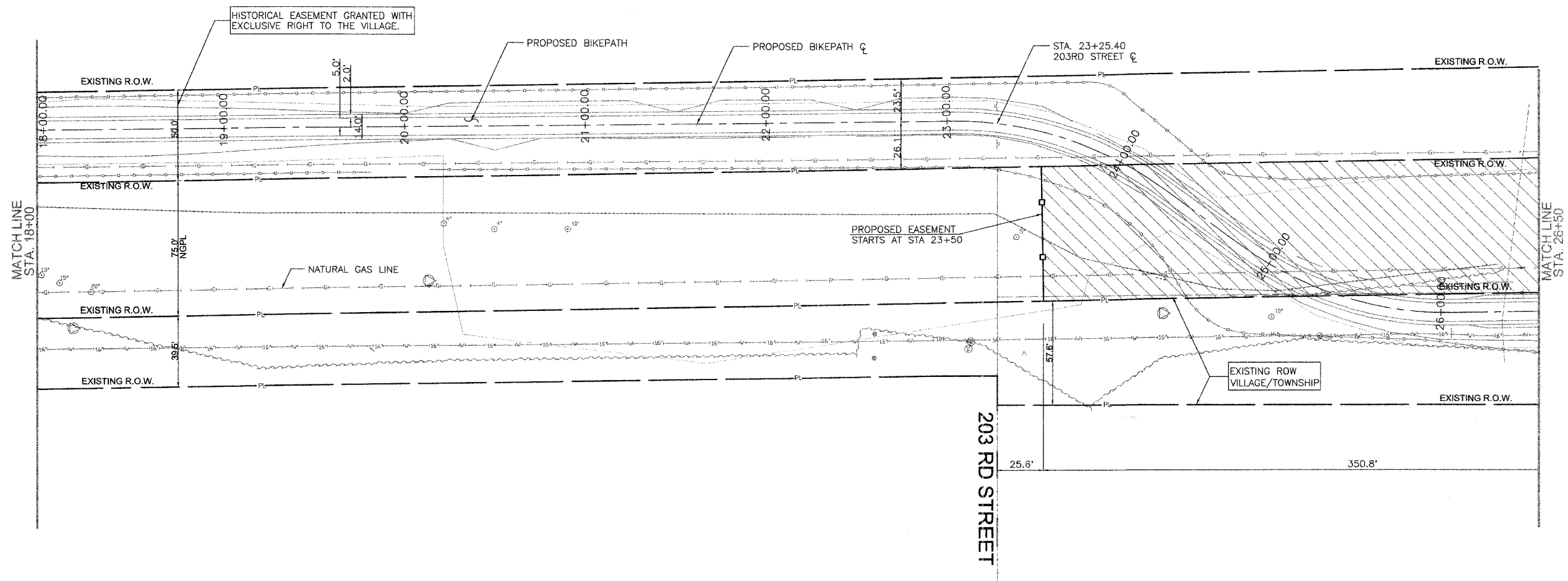
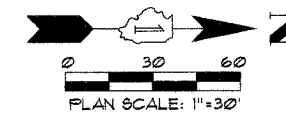
DRAWN BY: CC

CHECKED BY: SC

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	14
STA. 9+95 TO STA. 31+58		ILLINOIS FED. AID PROJECT	
FED. ROAD DIST. NO. 1		CONTRACT NO. 83864	



505 N. LASALLE SUITE 250
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- | | |
|------------------------|-------------------------------|
| EXISTING LEGEND | PROPOSED LEGEND |
| ⊙ TREES | ● BOLLARDS |
| — WATER | ▨ PROPOSED BRIDGE |
| — BEAN FIELD LINE | — TEMPORARY SILT FENCE |
| — GAS | ● BORING LOCATION |
| — CORN FIELD LINE | — PROPOSED BIKE PATH |
| ⊕ FIRE HYDRANT | — PROPOSED EASEMENT LIMITS |
| PL PROPERTY LINE | ▨ PROPOSED PERMANENT EASEMENT |
| — EXISTING R.O.W. | |
| — FLOOD PLANE | |

▨ TOTAL PROPOSED PERMANENT EASEMENT
A = 0.60 AC
A = 26,095 SQ FT

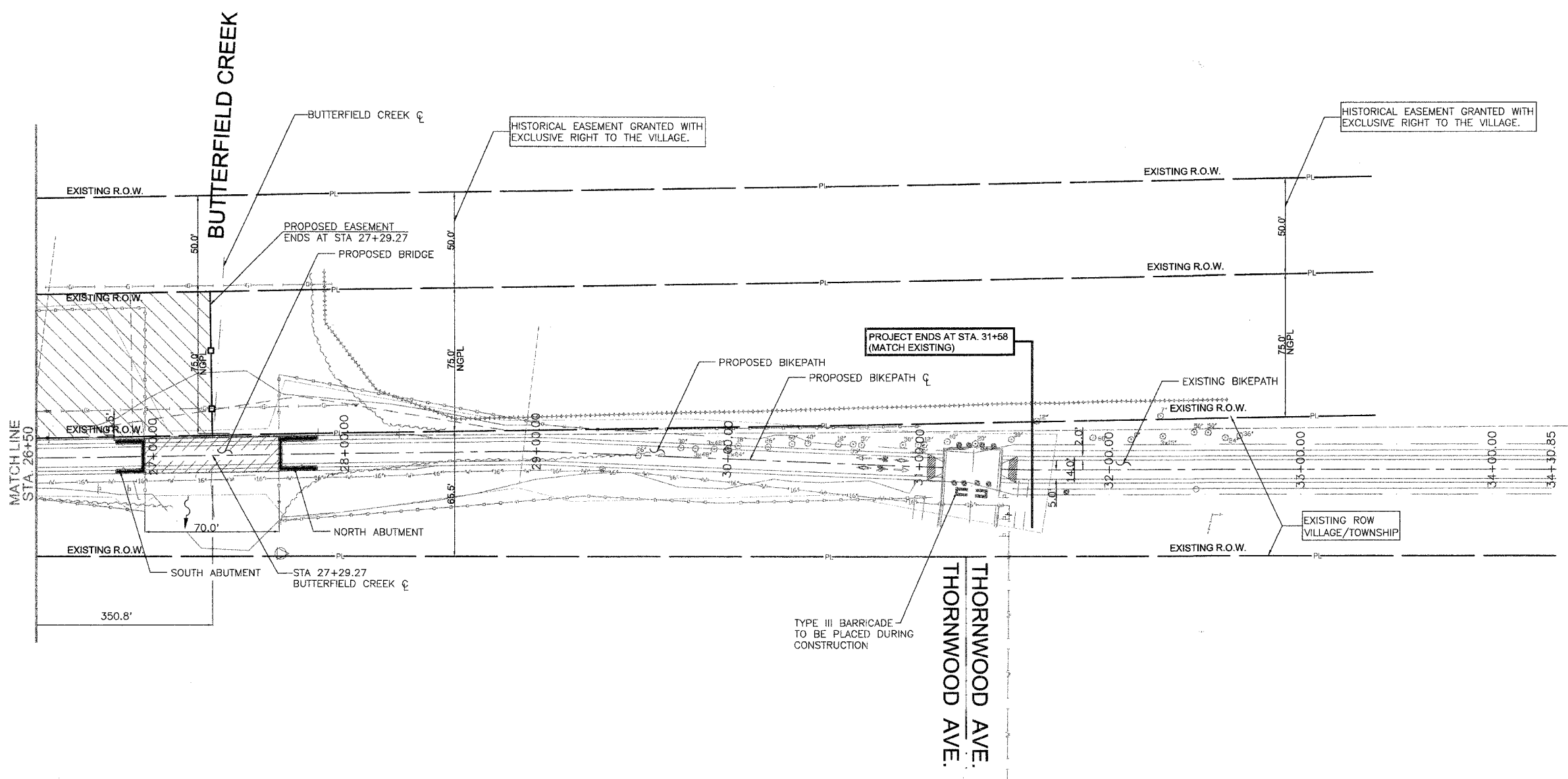
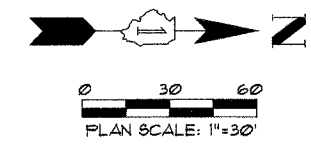
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PRESERVATION BIKE PATH
RIGHT OF WAY 18+00.00 - 26+50.00

SCALE: 1"=30'
DATE: MAY 04, 2007
DRAWN BY: CC
CHECKED BY: SC

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	15
STA. 9+95 TO STA. 31+58			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 83864			



EXISTING LEGEND		PROPOSED LEGEND	
	TREES		BOLLARDS
	WATER		PROPOSED BRIDGE
	BEAN FIELD LINE		TEMPORARY SILT FENCE
	GAS		BORING LOCATION
	CORN FIELD LINE		PROPOSED BIKE PATH
	FIRE HYDRANT		PROPOSED EASEMENT LIMITS
	PROPERTY LINE		PROPOSED PERMANENT EASEMENT
	EXISTING R.O.W.		
	FLOOD PLAIN		

TOTAL PROPOSED PERMANENT EASEMENT
A = 0.60 AC
A = 26,095 SQ FT

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PRESERVATION BIKE PATH RIGHT OF WAY 26+50.00 - 31+58.00

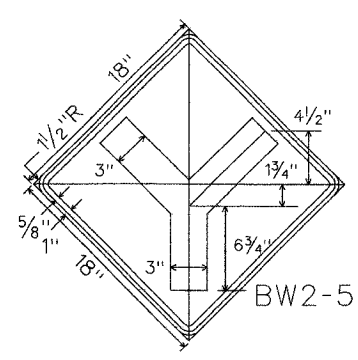
SCALE: 1"=30'
DATE: MAY 04, 2007

DRAWN BY: CC
CHECKED BY: SC

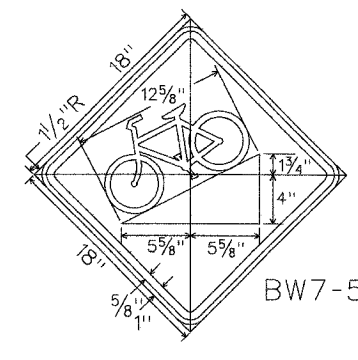
505 N. LASALLE SUITE 250
CHICAGO, IL 60610
(312)467-0123



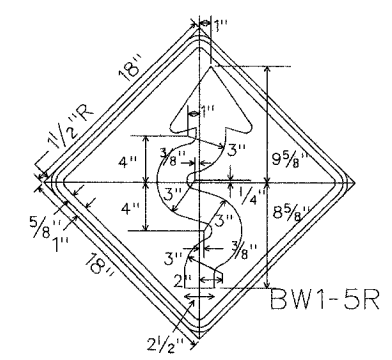
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	16
STA. 9+95	TO STA. 31+58		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 83864			



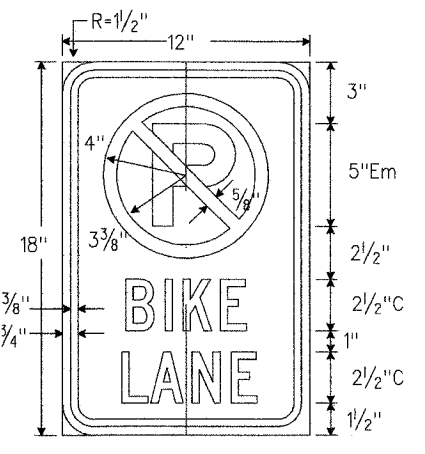
BW2-5



BW7-5

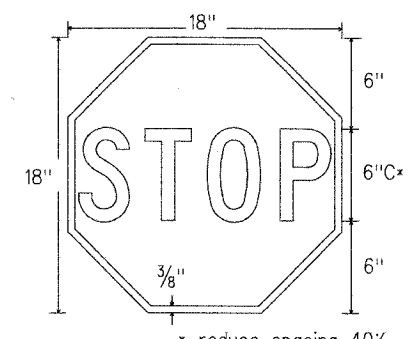


BW1-5R



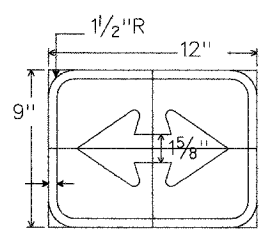
R7-9a

Legend, Circle & Dia. - Red (Ref.)
 Border, Letter "P" - Black
 Background - White (Ref.)

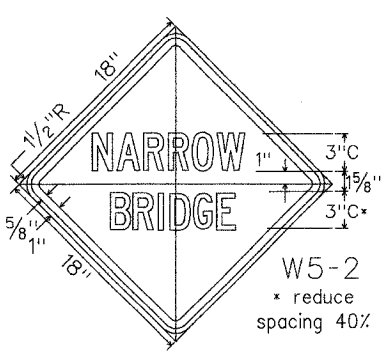
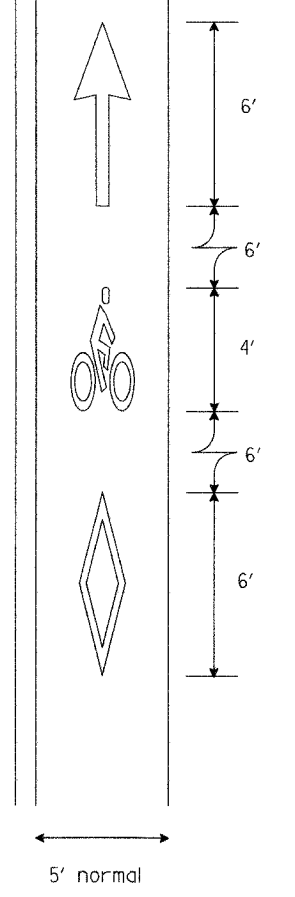
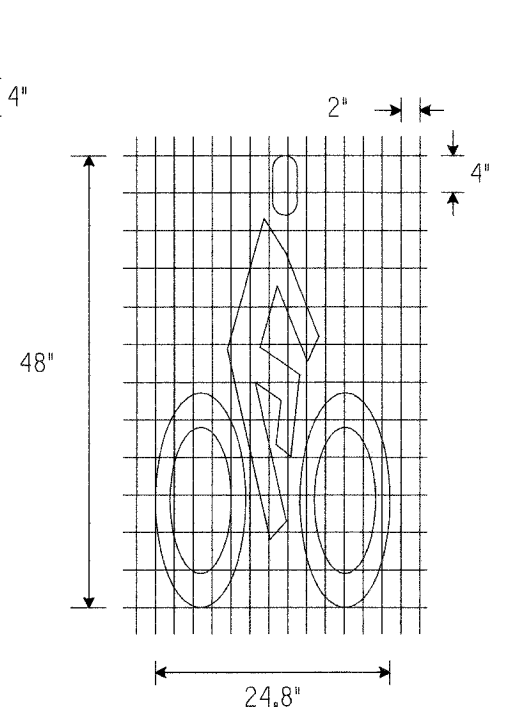
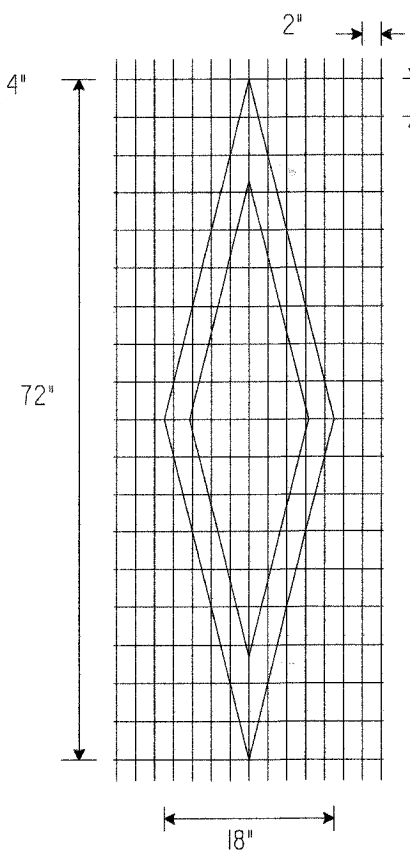
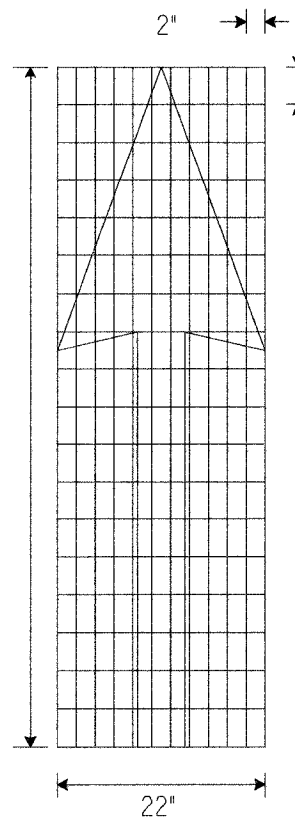


BR1-1

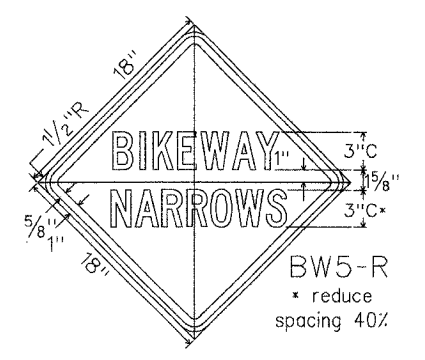
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 Legend - White (ref.)
 Background - Red (ref.)



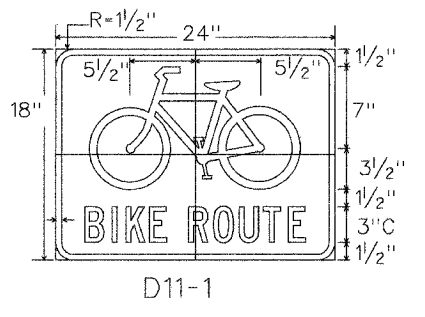
M7-5G



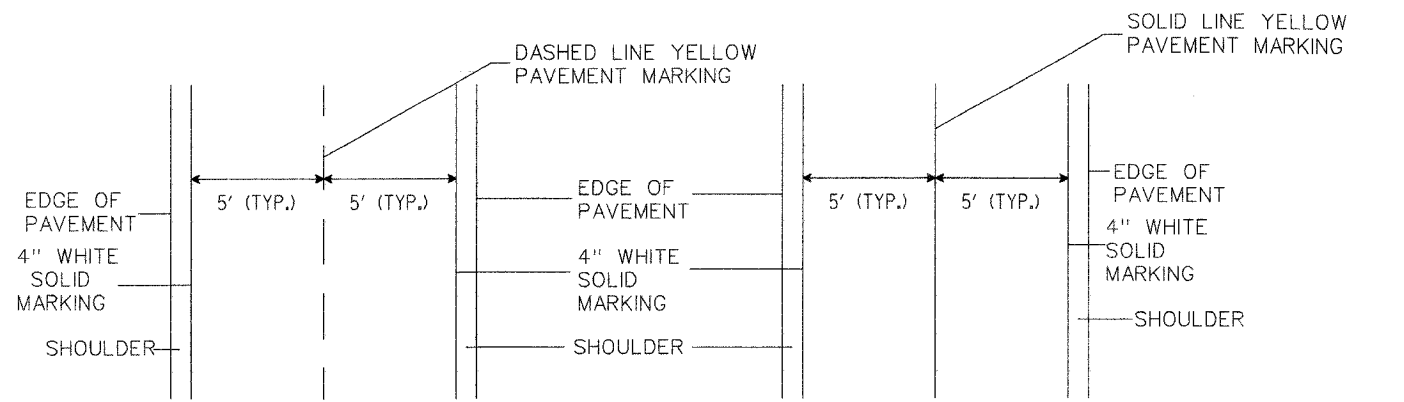
W5-2
 * reduce spacing 40%



BW5-R
 * reduce spacing 40%



D11-1



TYPICAL STRIPING FOR:
 STA 9+95 TO STA 23+00;
 STA 29+81 TO STA 31+13

TYPICAL STRIPING FOR:
 STA 23+00 TO STA 29+81

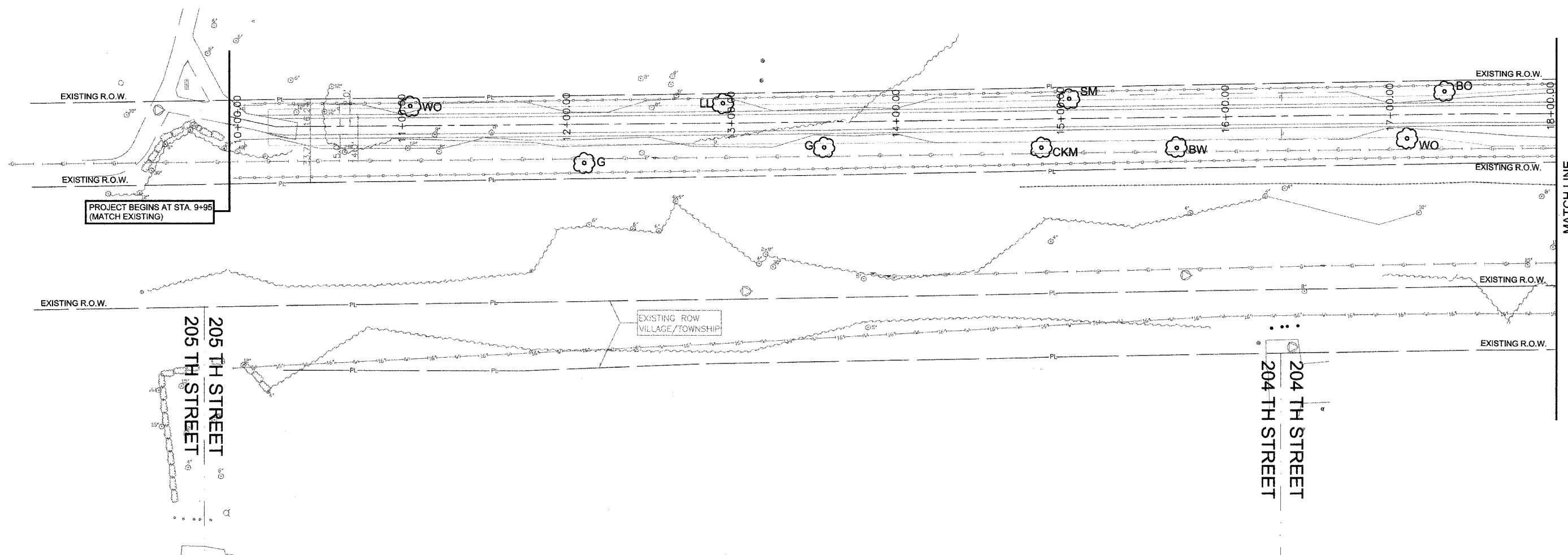
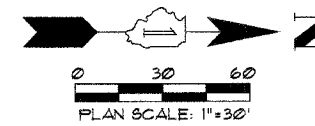
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PRESERVATION BIKE PATH
 SIGNS & BIKE LANE SYMBOLS
 SCALE: N.T.S.
 DATE: MAY 04, 2007
 DRAWN BY: CC
 CHECKED BY: SC

505 N. LASALLE SUITE 250
 CHICAGO, IL 60610
 (312)467-0123



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	17
STA. 9+95 TO STA. 31+58			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 83864			



EXISTING LEGEND

- TREES
- WATER
- ++++ BEAN FIELD LINE
- GAS
- CORN FIELD LINE
- FIRE HYDRANT
- EXISTING R.O.W.

PROPOSED LEGEND

- LL LITTLE LEAF LINDEN
- BO BUR OAK
- WO WHITE OAK
- BW BLACK WALNUT
- SM SUGAR MAPLE
- CKM CRIMSON KING NORWAY MAPLE
- MM MARMO FREEMAN MAPLE
- G GLEDITSIA CENTER LINE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PRESERVATION BIKE PATH
LANDSCAPE 9+95.00 - 18+00.00

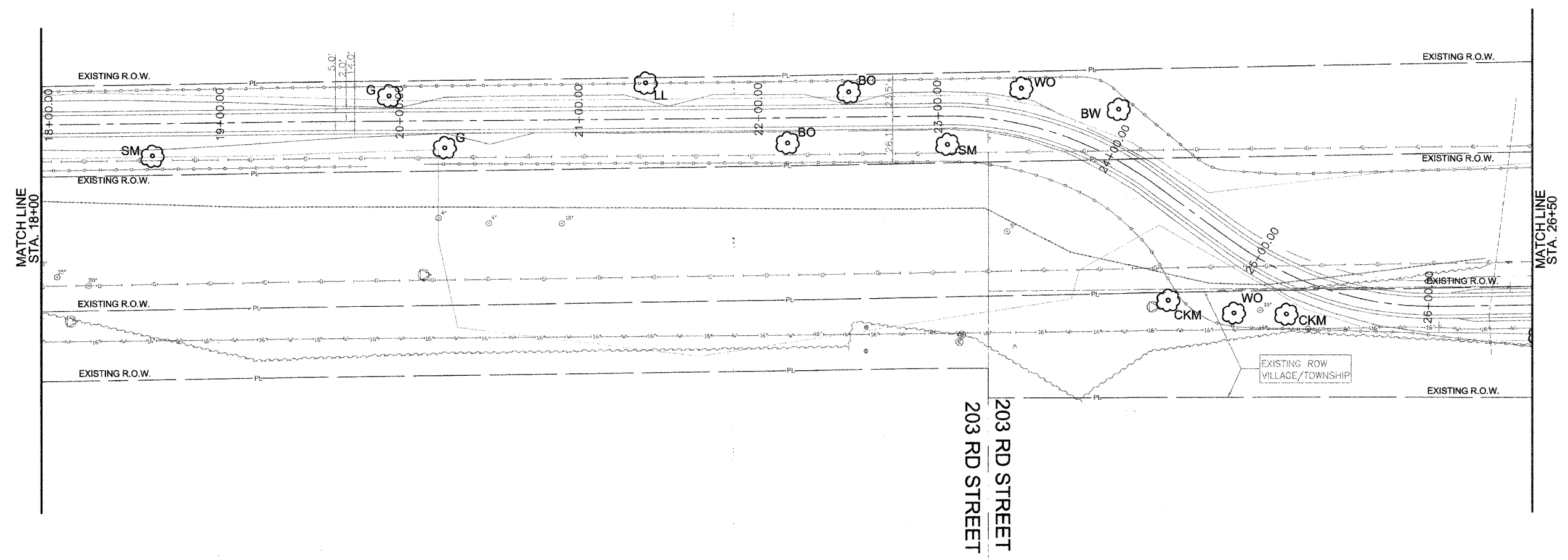
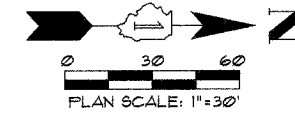
SCALE: 1"=30'
DATE: MAY 04, 2007

DRAWN BY: CC
CHECKED BY: SC

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	18
STA. 9+95	TO STA. 31+58		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 83864			



EXISTING LEGEND

- ⊙ TREES
- WATER
- ++++ BEAN FIELD LINE
- GAS
- CORN FIELD LINE
- ⊠ FIRE HYDRANT
- EXISTING R.O.W.

PROPOSED LEGEND

- ⊙ LL LITTLE LEAF LINDEN
- ⊙ BO BUR OAK
- ⊙ WO WHITE OAK
- ⊙ BW BLACK WALNUT
- ⊙ SM SUGAR MAPLE
- ⊙ CKM CRIMSON KING NORWAY MAPLE
- ⊙ MM MARMO FREEMAN MAPLE
- ⊙ G GLEDITSIA
- CENTER LINE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PRESERVATION BIKE PATH
LANDSCAPE 18+00.00 - 26+50.00

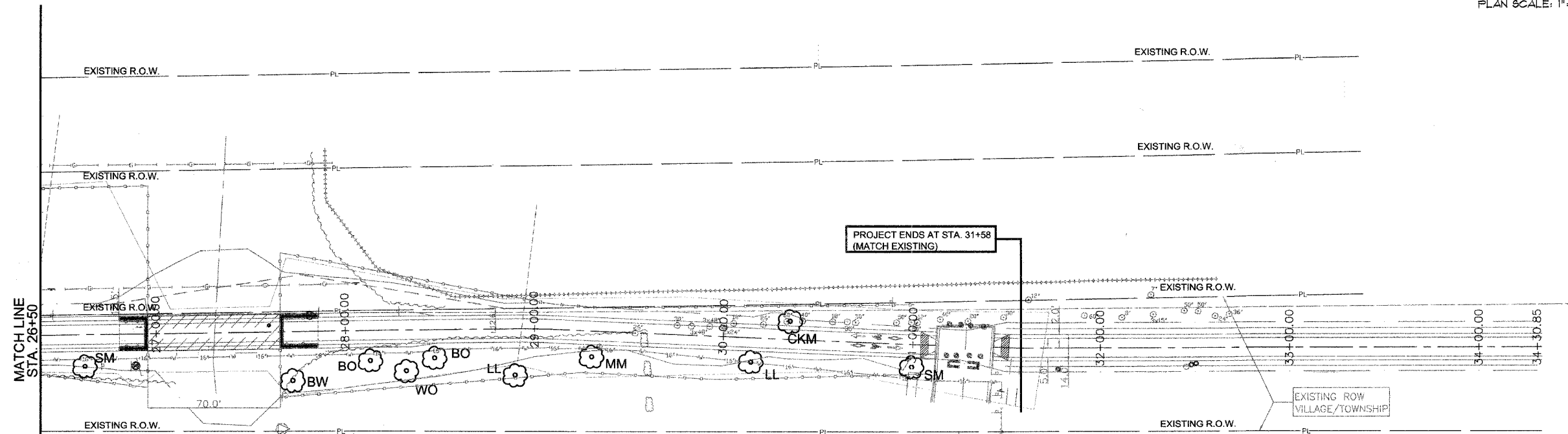
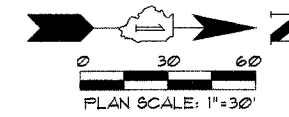
SCALE: 1"=30'
DATE: MAY 04, 2007

DRAWN BY: CC
CHECKED BY: SC

505 N. LASALLE SUITE 250
CHICAGO, IL 60610
(312)467-0123



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	19
STA. 9+95 TO STA. 31+58		ILLINOIS FED. AID PROJECT	
FED. ROAD DIST. NO. 1		CONTRACT NO. 83864	



THORNWOOD AVE.
 THORNWOOD AVE.

NOTES:

1. EXCAVATION FOR TREE PITS SHALL BE PER DETAILS, SET ON UNDISTURBED SUB-BASE.
2. REMOVE ALL PLASTIC TWINE, ROPE, BURLAP, AND/OR WIRE BASKET FROM TOP 1/3 OF TREE BALL.
3. REMOVE ALL RIBBONS OR TREE TAGS AFTER APPROVAL BY THE ARCHITECT.
4. TREE TO BE ALIGNED AND PLUMB AFTER WATERING AND SETTLING.
5. PRUNE TREE AS DIRECTED BY ARCHITECT. (SEE SPECIFICATIONS)
6. T-POSTS SHALL BE USED AS APPROVED BY THE COMMISSIONER & INSTALLATION SHALL BE DETERMINED BY THE COMMISSIONER.

PROVIDE T-POST AS APPROVED BY THE COMMISSIONER

DOUBLE STRAND #10 WIRE GALVANIZED W/6" TURNBUCKLE

REINFORCED RUBBER HOSE FRICTION GUARD AT FIRST BRANCHING

TREE WRAP SHALL BE OF A CRAY PAPER TYPE AND ONLY INSTALLED IN THE FALL ON SMOOTH BARKED TREES

12"x6" DIA. CORRUGATED PLASTIC PIPE FOR TREE PROTECTION OF 4" CALIBER TREE OR LESS IN LAWN AREA ONLY.

ROOT FLARE (SET 3" ABOVE FINISH GRADE AFTER SETTLING)

FINISH GRADE

SPADED EDGE OF SOD

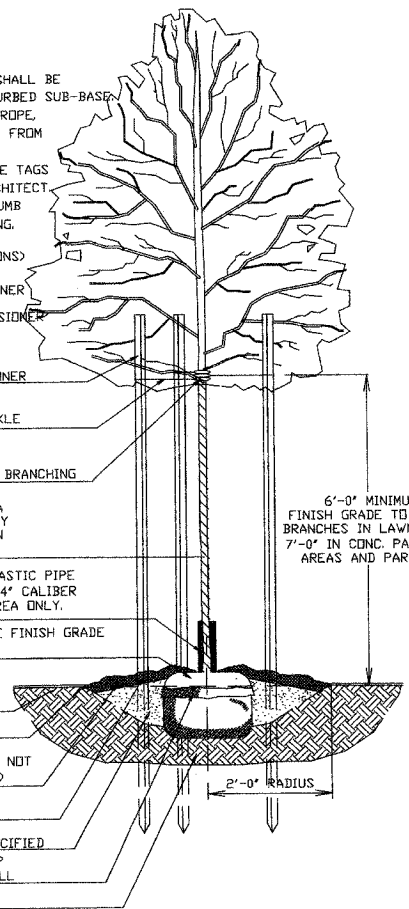
4'-0"x3" CIRCLE MULCH (DO NOT PLACE AT BASE OF TRUNK)

CREATE SAUCER WITH MULCH 6" AT PERIMETER

PLANTING SOIL MIX AS SPECIFIED

REMOVE ROPES AND BURLAP FROM TOP 1/3 OF ROOT BALL

UNDISTURBED SOIL



TREE PLANTING DETAIL
SCALE: N.T.S.

EXISTING LEGEND

- ⊙ TREES
- WATER
- BEAN FIELD LINE
- GAS
- CORN FIELD LINE
- FIRE HYDRANT
- EXISTING R.O.W.

PROPOSED LEGEND

- ⊙ LL LITTLE LEAF LINDEN
- ⊙ BO BUR OAK
- ⊙ WO WHITE OAK
- ⊙ BW BLACK WALNUT
- ⊙ SM SUGAR MAPLE
- ⊙ CKM CRIMSON KING NORWAY MAPLE
- ⊙ MM MARMO FREEMAN MAPLE
- ⊙ G GLEDITSIA CENTER LINE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PRESERVATION BIKE PATH
LANDSCAPE 26+50.00 - 31+58.00

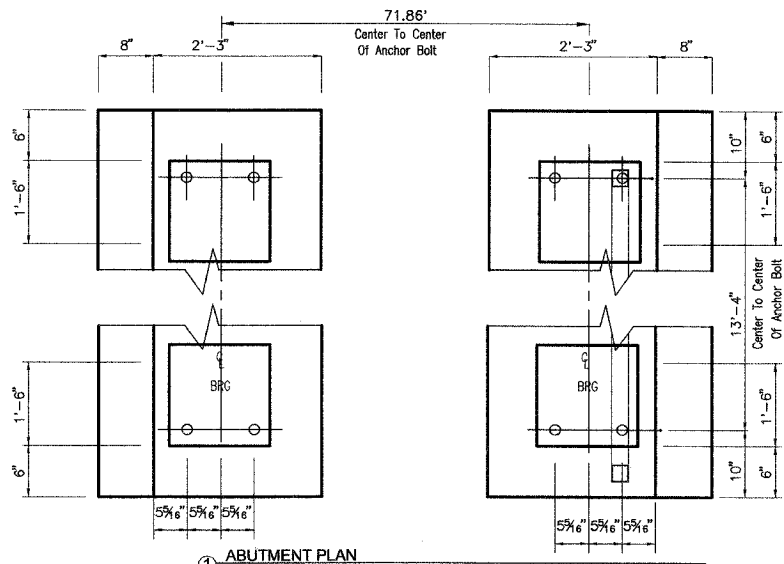
SCALE: 1"=30'
DATE: MAY 04, 2007

DRAWN BY: CC
CHECKED BY: SC

505 N. LASALLE SUITE 250
CHICAGO, IL 60610
(312)467-0123

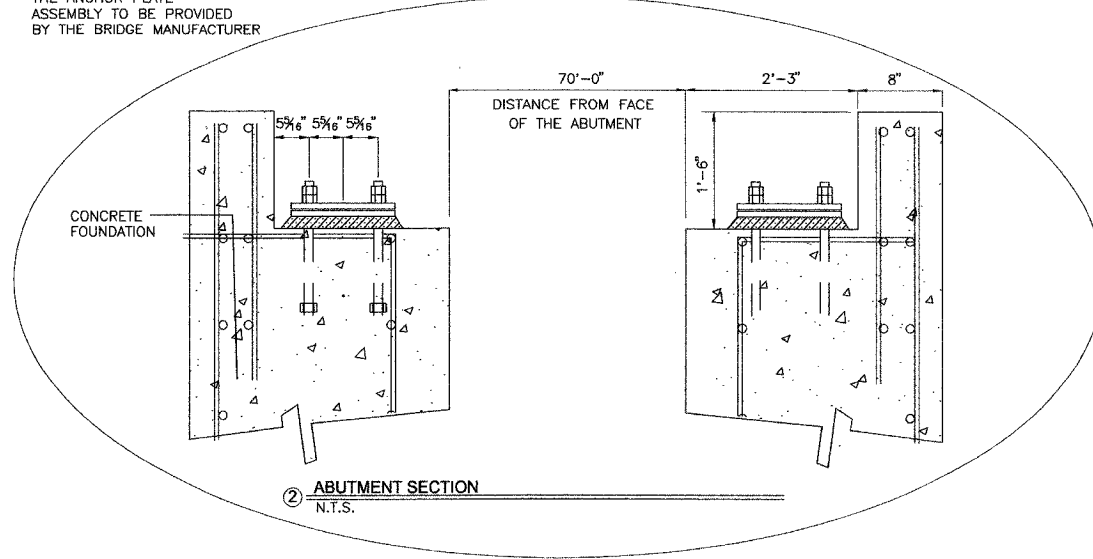


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	20
STA. 9+95 TO STA. 31+58		ILLINOIS FED. AID PROJECT	
CONTRACT NO. B3864			



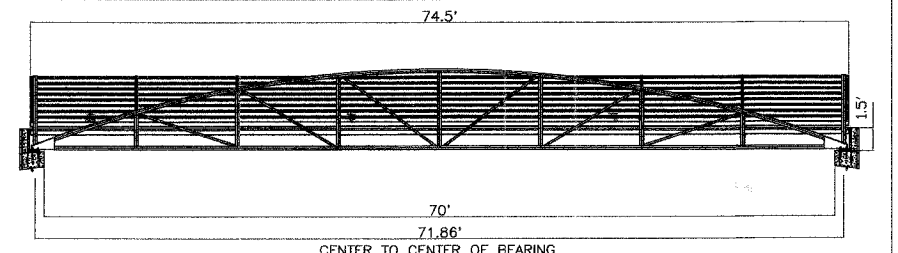
NOTE:
THE ANCHOR PLATE ASSEMBLY TO BE PROVIDED BY THE BRIDGE MANUFACTURER

1 ABUTMENT PLAN
N.T.S.

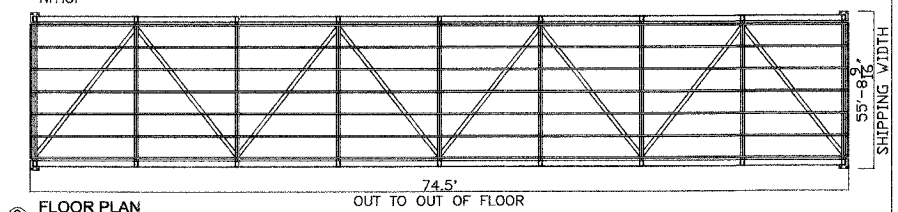


NOTE:
CONTRACTOR IS TO VERIFY DIMENSIONS IN THE FIELD PRIOR TO ORDERING THE BRIDGE

2 ABUTMENT SECTION
N.T.S.

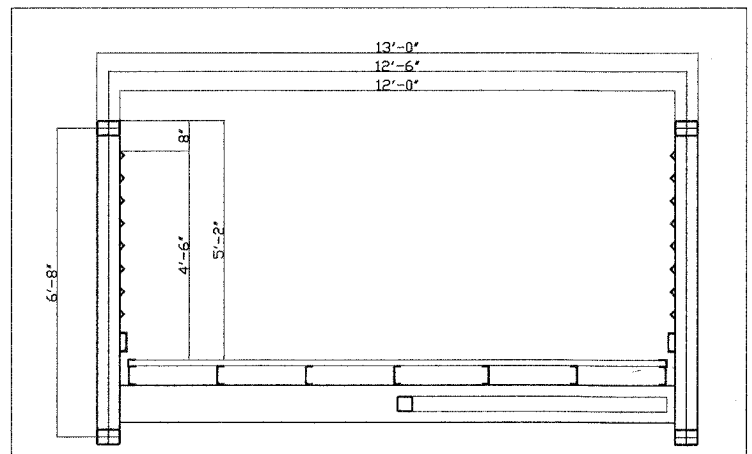


4 ELEVATION
N.T.S.



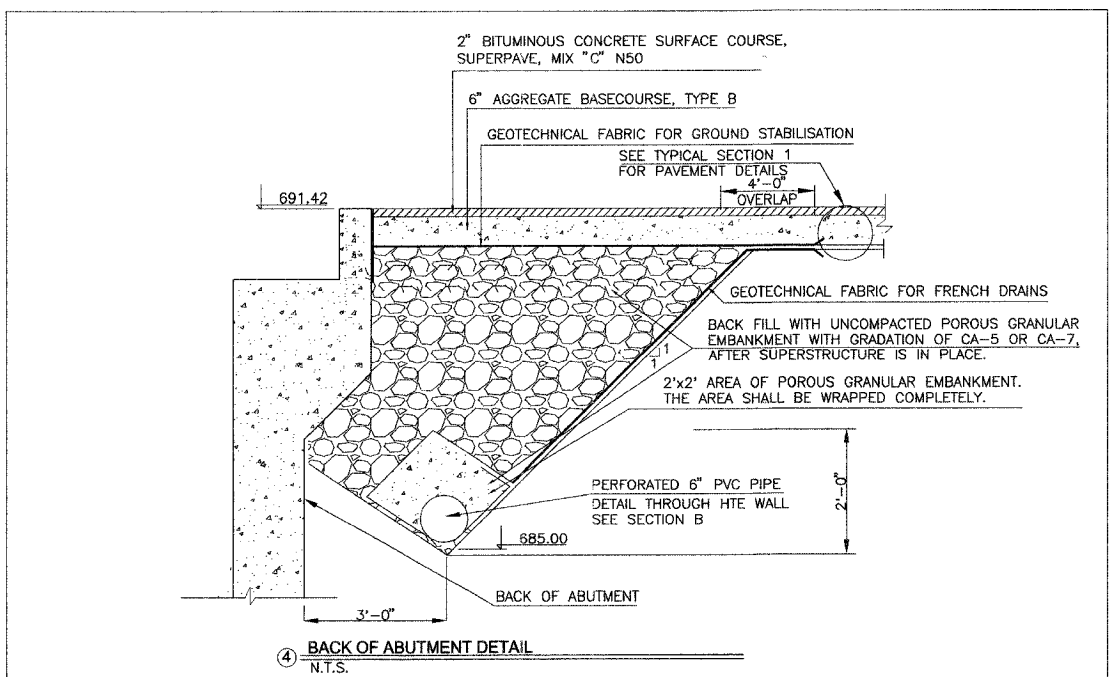
3 FLOOR PLAN
N.T.S.

NOTE:
CONTRACTOR IS TO VERIFY DIMENSIONS IN THE FIELD PRIOR TO ORDERING THE BRIDGE

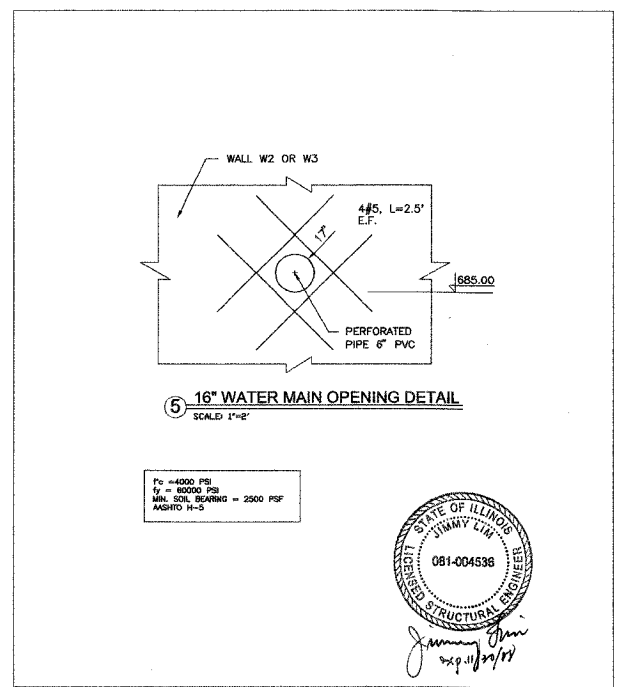


5 TYPICAL SECTION
N.T.S.

NOTE:
CONTRACTOR IS TO VERIFY DIMENSIONS IN THE FIELD PRIOR TO ORDERING THE BRIDGE

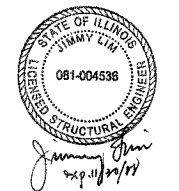


4 BACK OF ABUTMENT DETAIL
N.T.S.



5 16" WATER MAIN OPENING DETAIL
SCALE: 1"=2'

$f_c = 4000$ PSI
 $f_y = 60000$ PSI
MIN. SLL 504880 - 2500 PSF
AASHTO H-5



505 N. LASALLE SUITE 250
CHICAGO, IL 60610
(312)467-0123



NOTES:
THE CONTRACTOR AND THE BRIDGE FABRICATOR MUST STRICKLY ADHERE TO THE LOW BEAM ELEVATIONS, PROFILE GRADE OF THE STRUCTURE AND OTHER CONSTRAINTS OF THE DESIGN. NO VARIANCES WILL BE ALLOWED. THE CONTRACTOR MUST SUBMIT ACTUAL ELEVATIONS OF THE PROFILE GRADE TO THE ENGINEER FOR APPROVAL BEFORE DOING ANY WORK.

THE DESIGN OF THE PROPOSED PEDESTRIAN BRIDGE SUPERSTRUCTURE AND SUBSTRUCTURE ELEMENTS COMPLIES WITH THE REQUIREMENTS OF THE '1997 AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS (AASHTO) GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES', AND THE '2002 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES'.

WATER WAY INFORMATION TABLE									
DRAINAGE AREA = 9.5 SQ. MI.									
LOW GRADE ELEV. 689.50									
AT STATION 26+96.33 (SB & NB)									
MAX RECORDED H.W.E. N/A									
FLOOD	FREQUENCY (YR.)	DISCHARGE (CFS)	WATERWAY OPENING		NATURAL H.W.E.	CREATED HEAT		HEAD WATER ELEVATION	
			EXISTING (SQ. FT.)	PROPOSED (SQ. FT.)		EXISTING (FT.)	PROPOSED (FT.)	EXISTING (FT.)	PROPOSED (FT.)
FLOOD	10	475	N/A	421.90	690.26	0.00	0.0	690.26	690.16
DESIGN	25	560	N/A	421.90	690.76	0.00	0.0	690.76	690.66
BASE	100	700	N/A	421.90	691.56	0.00	0.0	691.56	691.56
OVERTOPPING	25	SEE ABOVE	N/A	N/A	N/A	N/A	N/A	N/A	690.96
MAX CALC	500	900		421.90	692.16	0.00	0.0	692.16	692.16

* THESE ELEVATIONS ARE BASED ON FEMA MODEL.

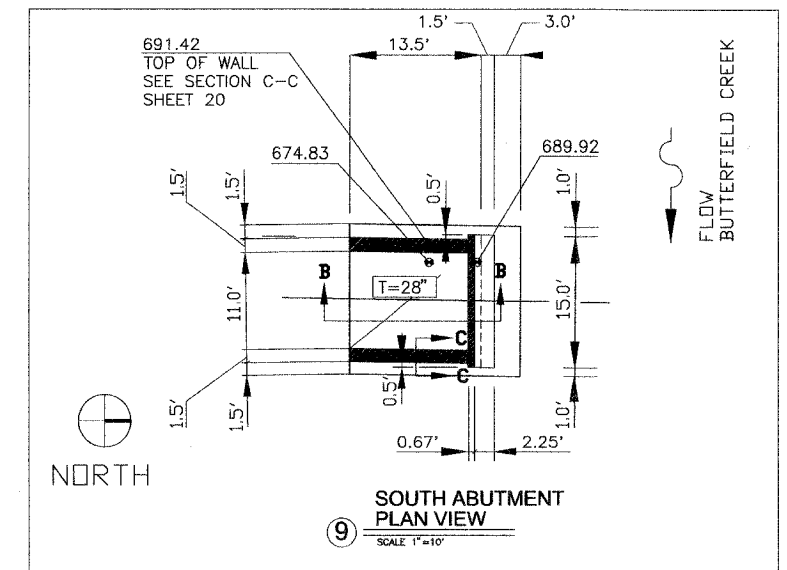
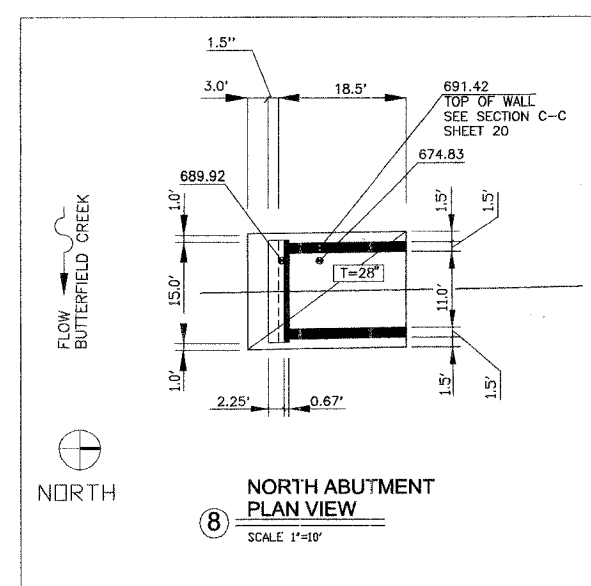
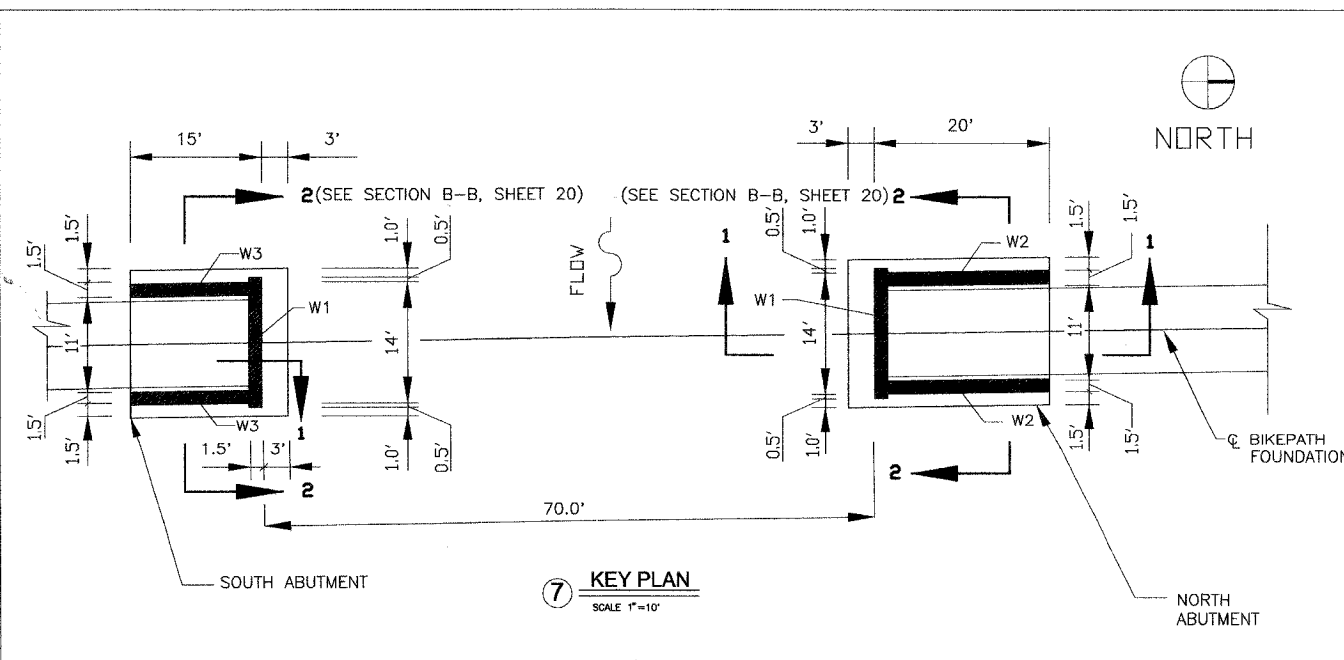
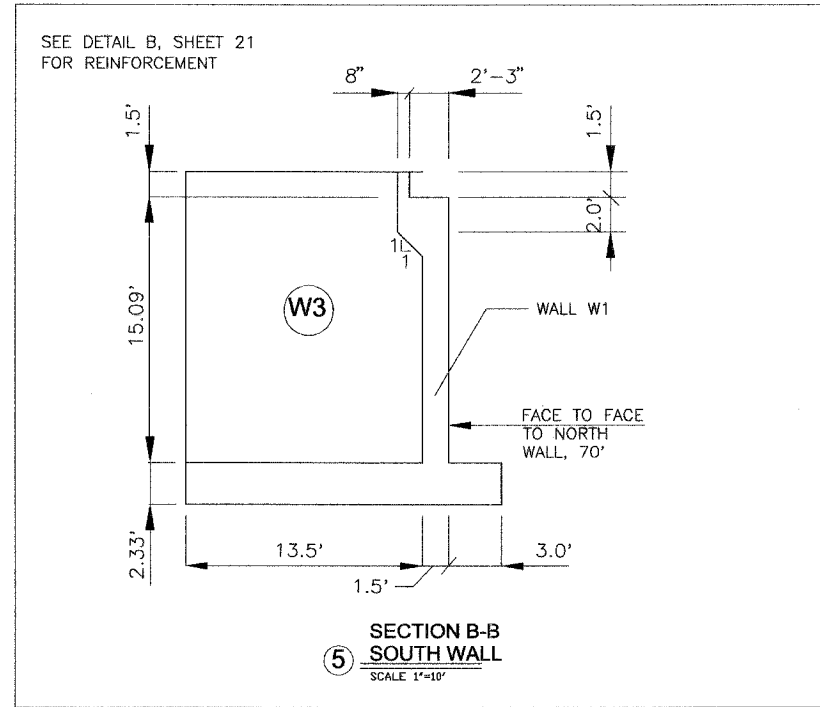
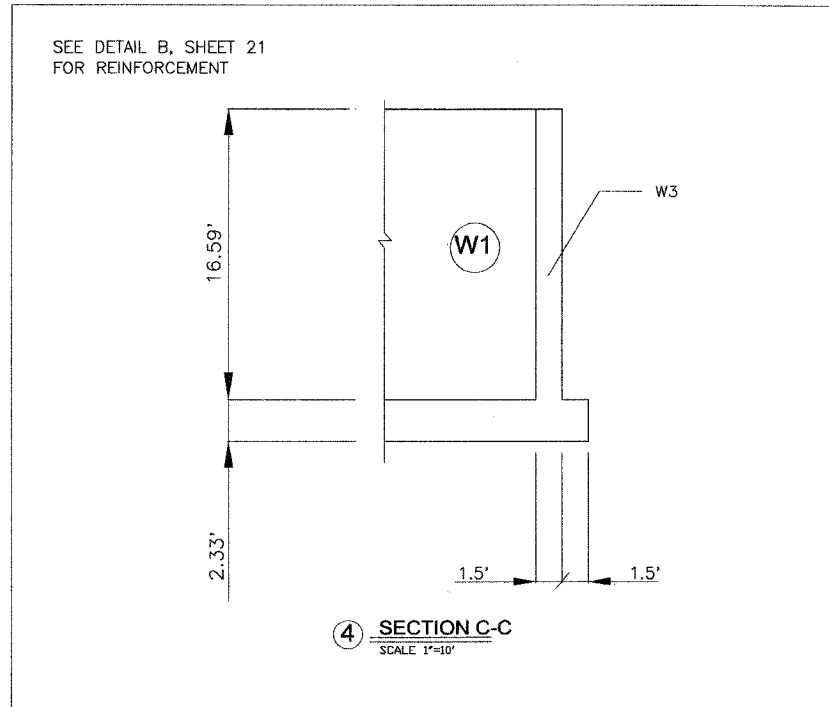
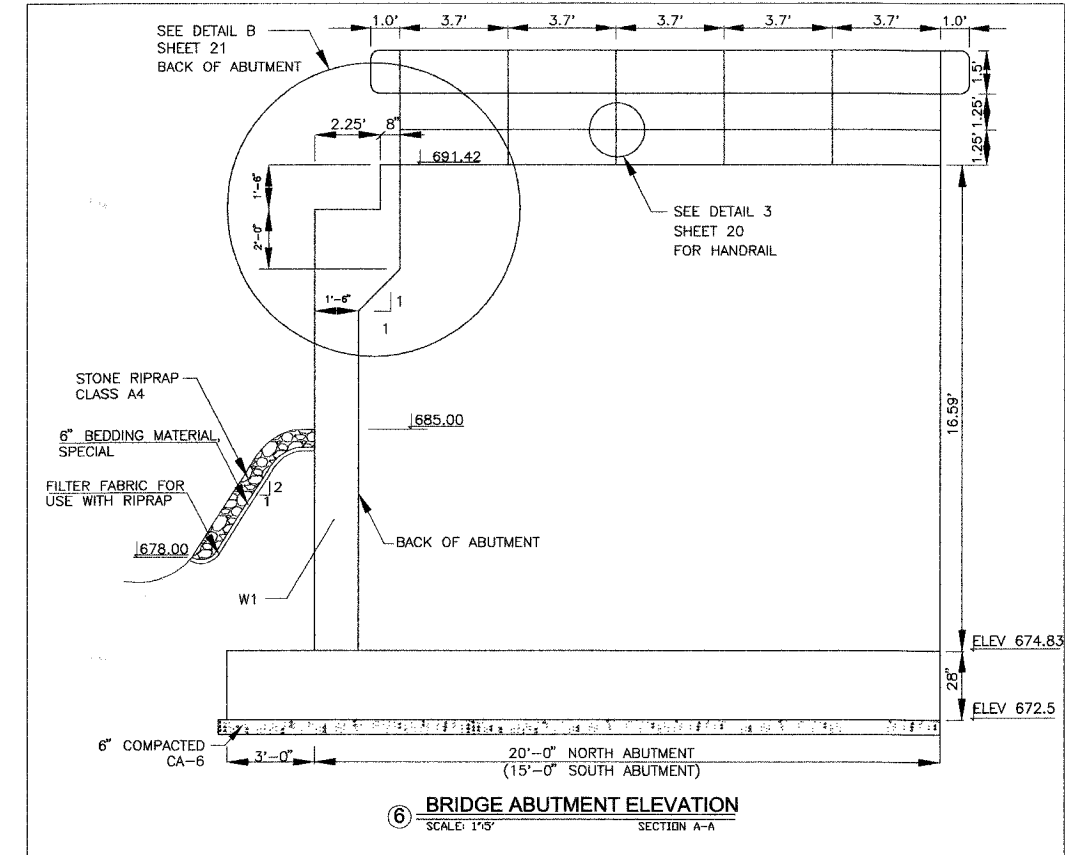
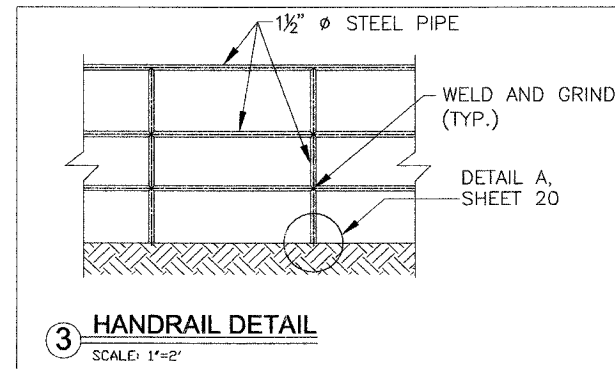
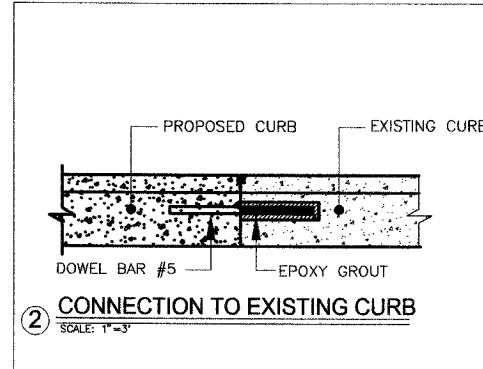
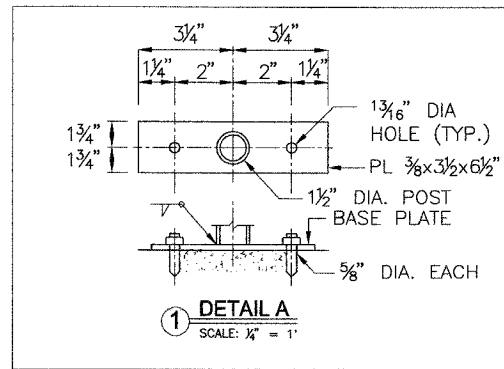
DESIGN SPECIFICATIONS
1997 AASHTO, 2002 AASHTO
LOADING HS-5
MATERIAL STRENGTH
 $f_c = 4,000$ psi
 $f_y = 60,000$ psi

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PRESERVATION BIKE PATH BRIDGE DETAILS (1)

SCALE: AS SHOWN
DATE: MAY 04, 2007
DRAWN BY: CC
CHECKED BY: SC

I certify that to the best of my knowledge, information and belief, this bridge/box culvert 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 requirements of the current 'AASHTO Standard Specifications for Highway Bridges'.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	21
STA. 9+95 TO STA. 31+58			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
CONTRACT NO. 83864			



505 N. LASALLE SUITE 250
CHICAGO, IL 60610
(312)467-0123

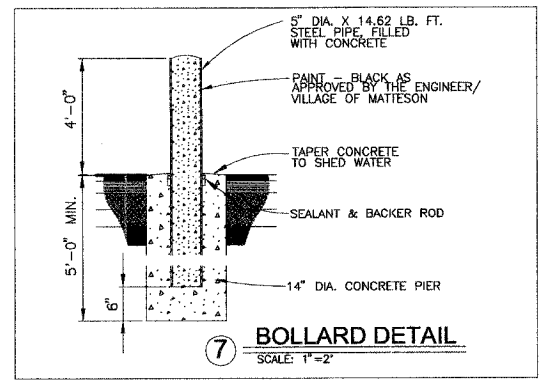
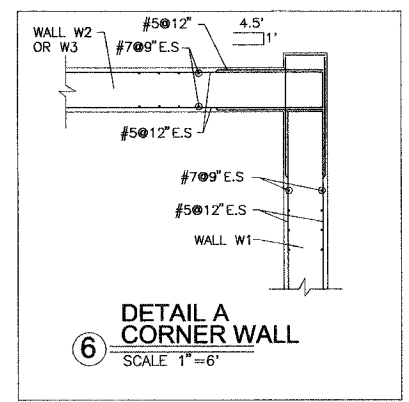
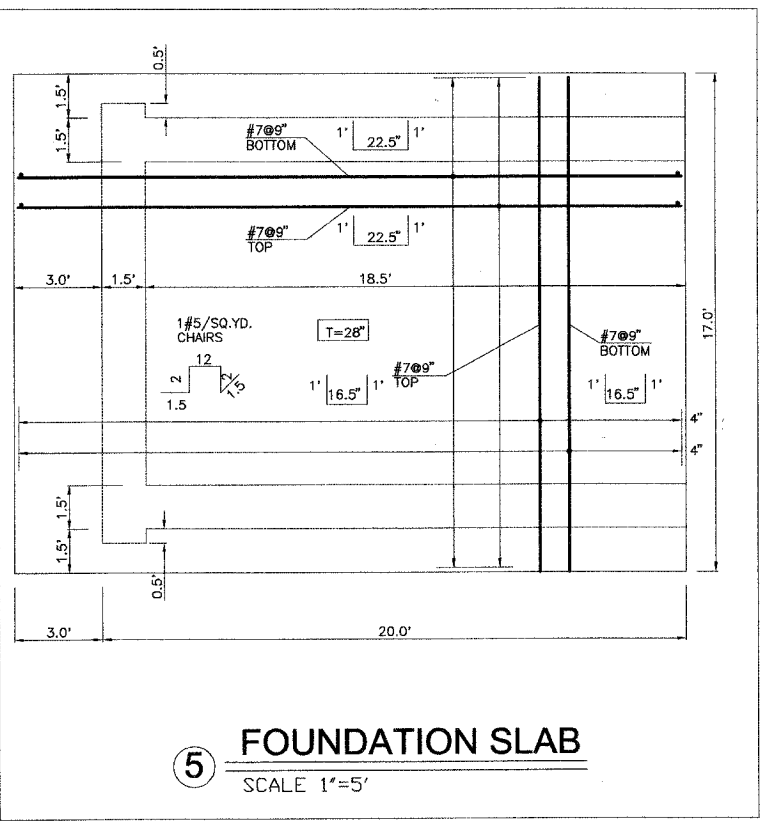
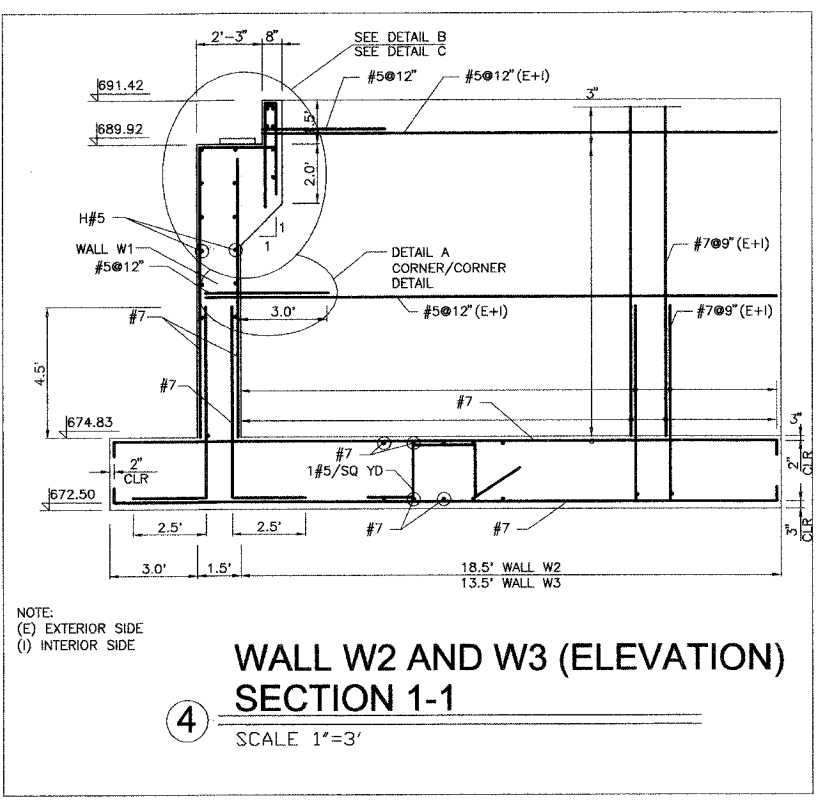
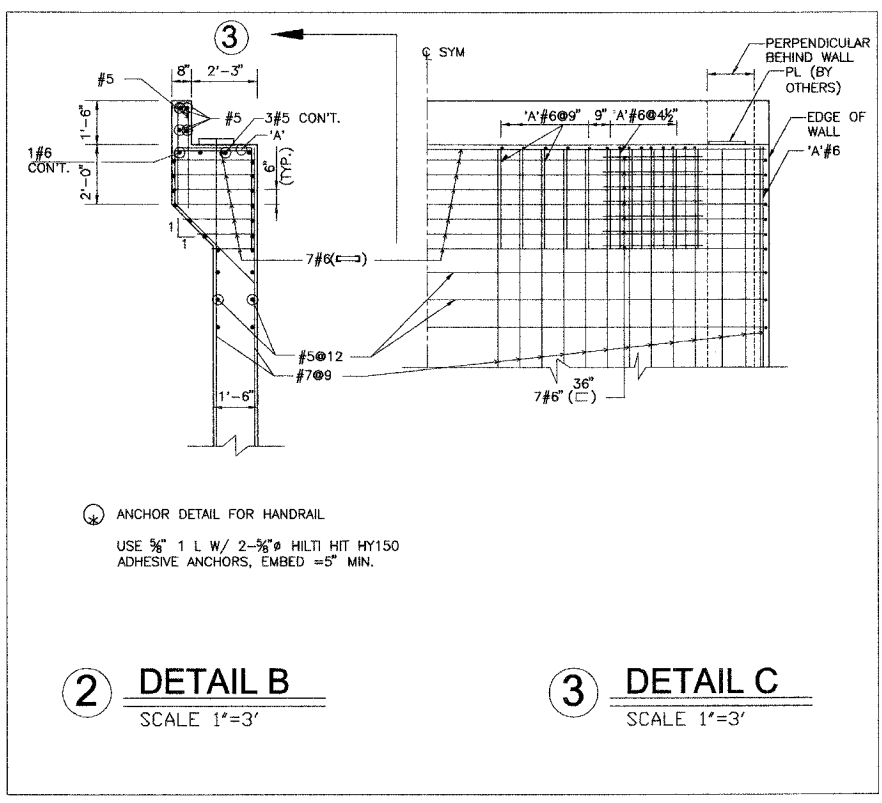
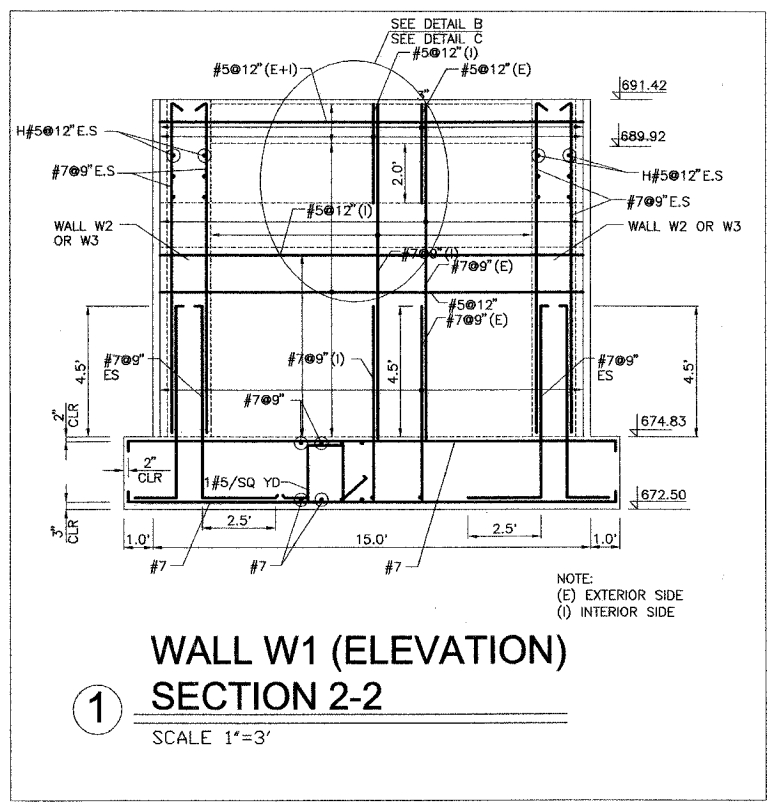
TERRA
ENGINEERING LTD.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PRESERVATION BIKE PATH
BRIDGE DETAILS (2)
SCALE: HORIZ.: AS SHOWN
DATE: MAY 04, 2007
DRAWN BY: CC
CHECKED BY: SC

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-B1	COOK	39	22
STA. 9+95	TO STA. 31+58		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 83864			



TERRA
ENGINEERING LTD.

505 N. LASALLE SUITE 250
CHICAGO, IL 60610
(312)467-0123

STATE OF ILLINOIS
JIMMY L. BROWN
REGISTERED STRUCTURAL ENGINEER
081-004536
Jimmy L. Brown
Exp. 11/27/08

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PRESERVATION BIKE PATH BRIDGE DETAILS (3)

SCALE: HORIZ.: AS SHOWN
DATE: MAY 04, 2007
DRAWN BY: CC
CHECKED BY: SC

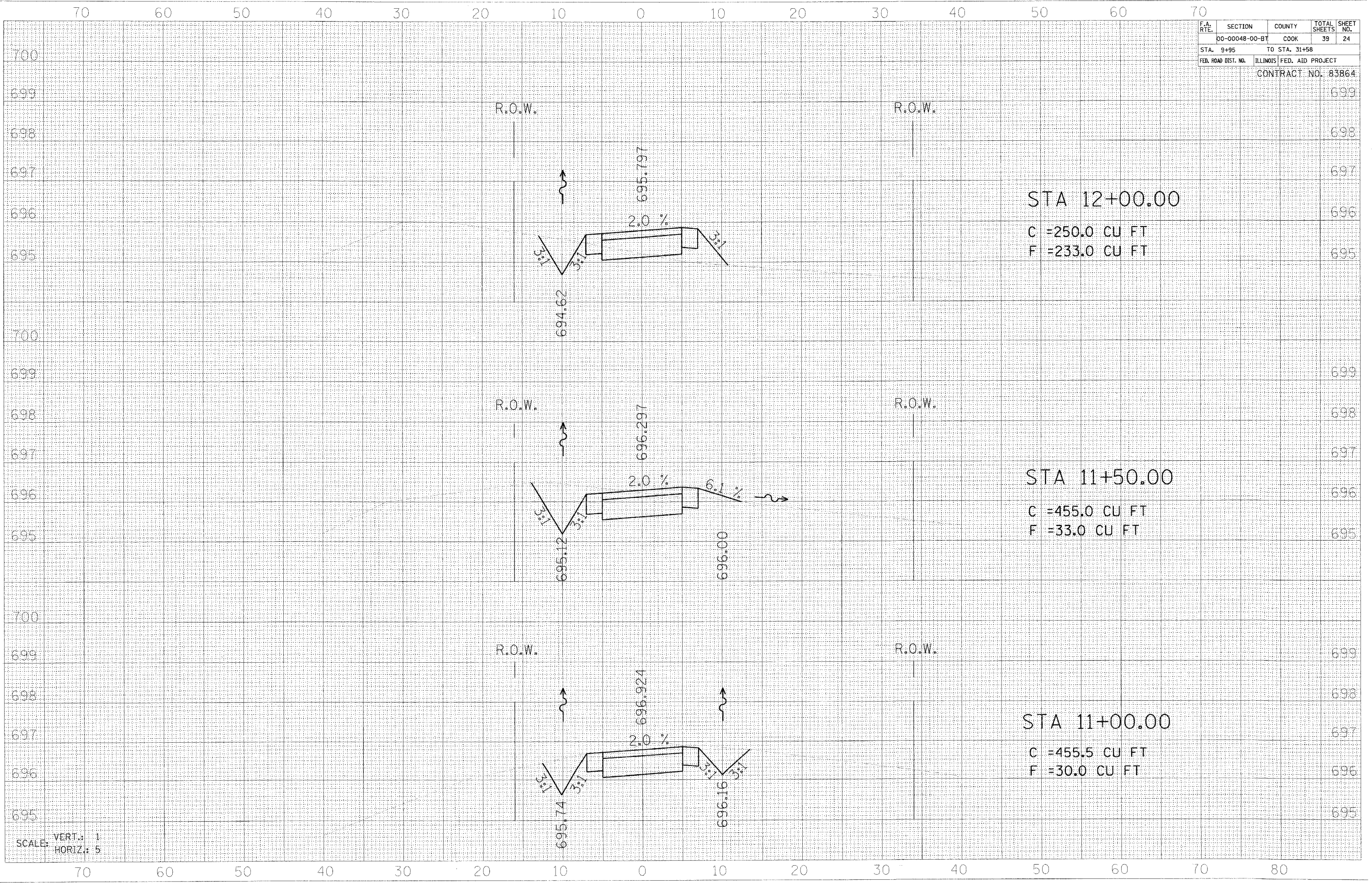
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	00-00048-00-BT	COOK	39	24
STA. 9+95	TO STA. 31+58			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONTRACT NO.: 83864

DATE	BY

DATE	BY

505 N. LASALLE SUITE 250
CHICAGO, IL 60610
(312) 467-0123

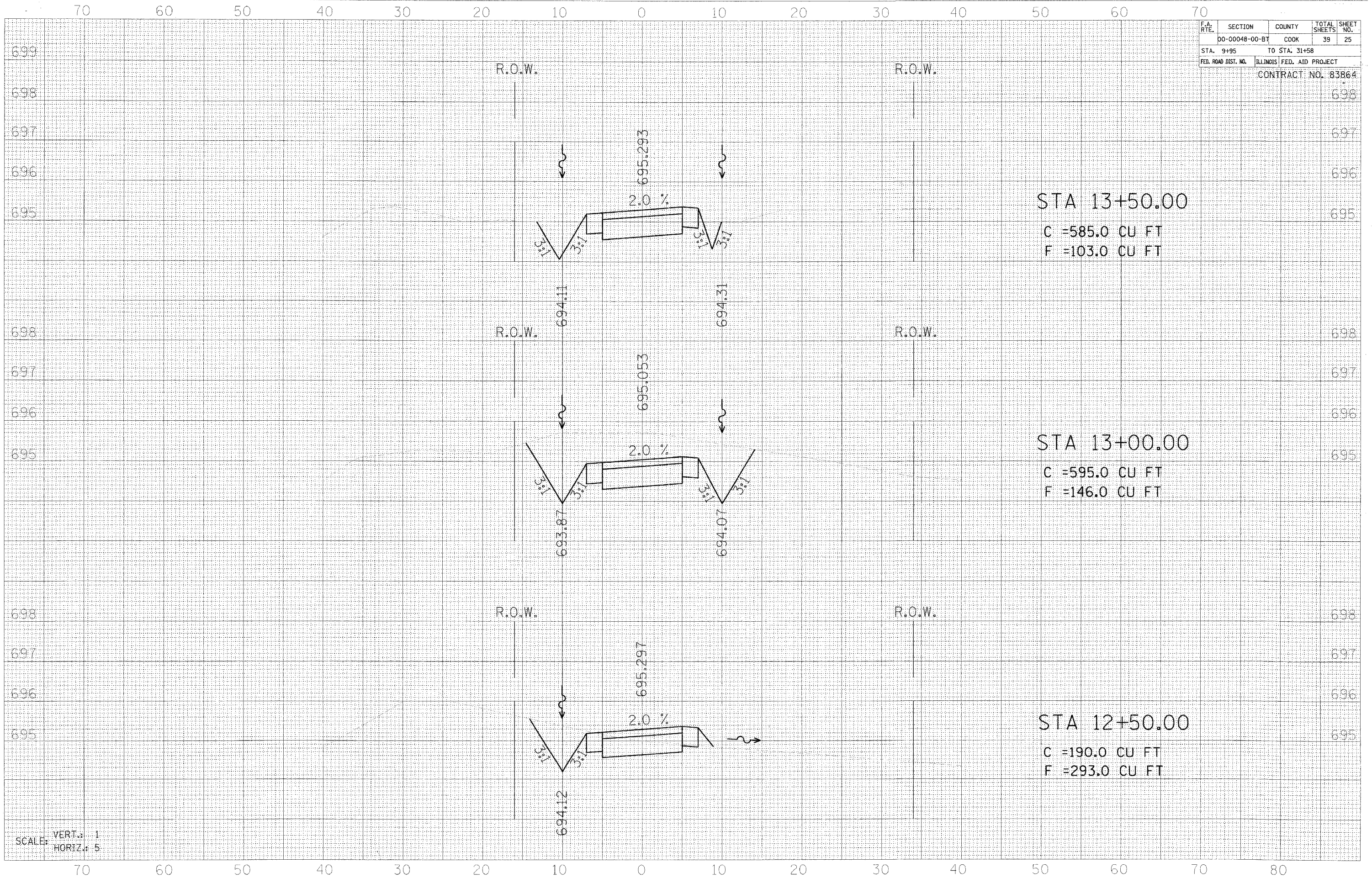


SCALE: VERT.: 1
HORIZ.: 5

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	00-00048-00-B7	COOK	39	25
STA. 9+95		TO STA. 31+58		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
				CONTRACT NO. 83864



DATE	
BY	
NO.	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

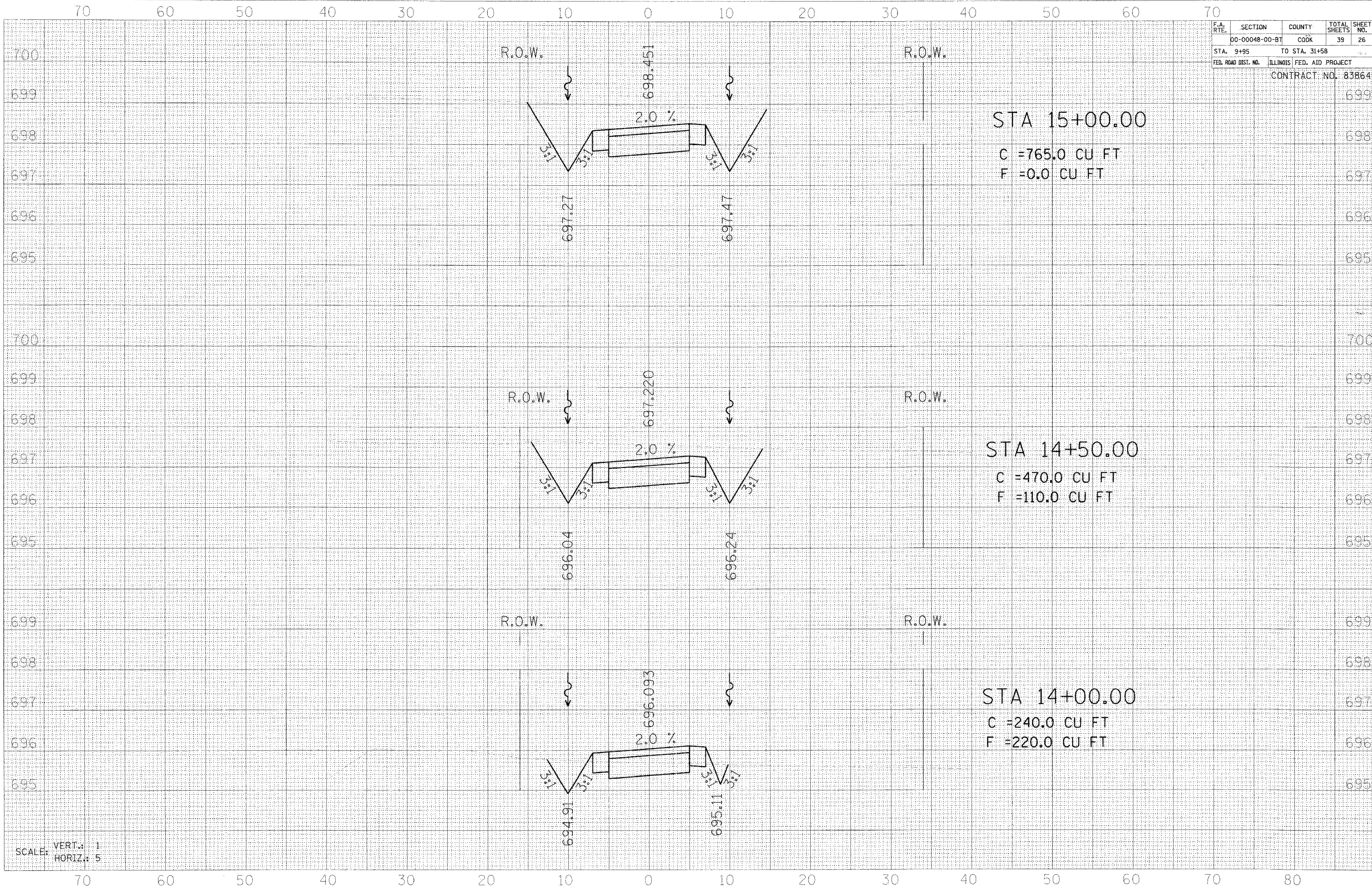
DATE	
BY	
NO.	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

605 N. LASALLE SUITE 250
CHICAGO, IL 60610
(312)487-0123



SCALE: VERT.: 1
HORIZ.: 5

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	00-00048-00-BT	COOK	39	26
STA. 9+95	TO STA. 31+58			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
				CONTRACT NO. 83864



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

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

603 N. LA SALLE SUITE 200
 CHICAGO, IL 60610
 (312) 467-0123



SCALE: VERT.: 1
 HORIZ.: 5

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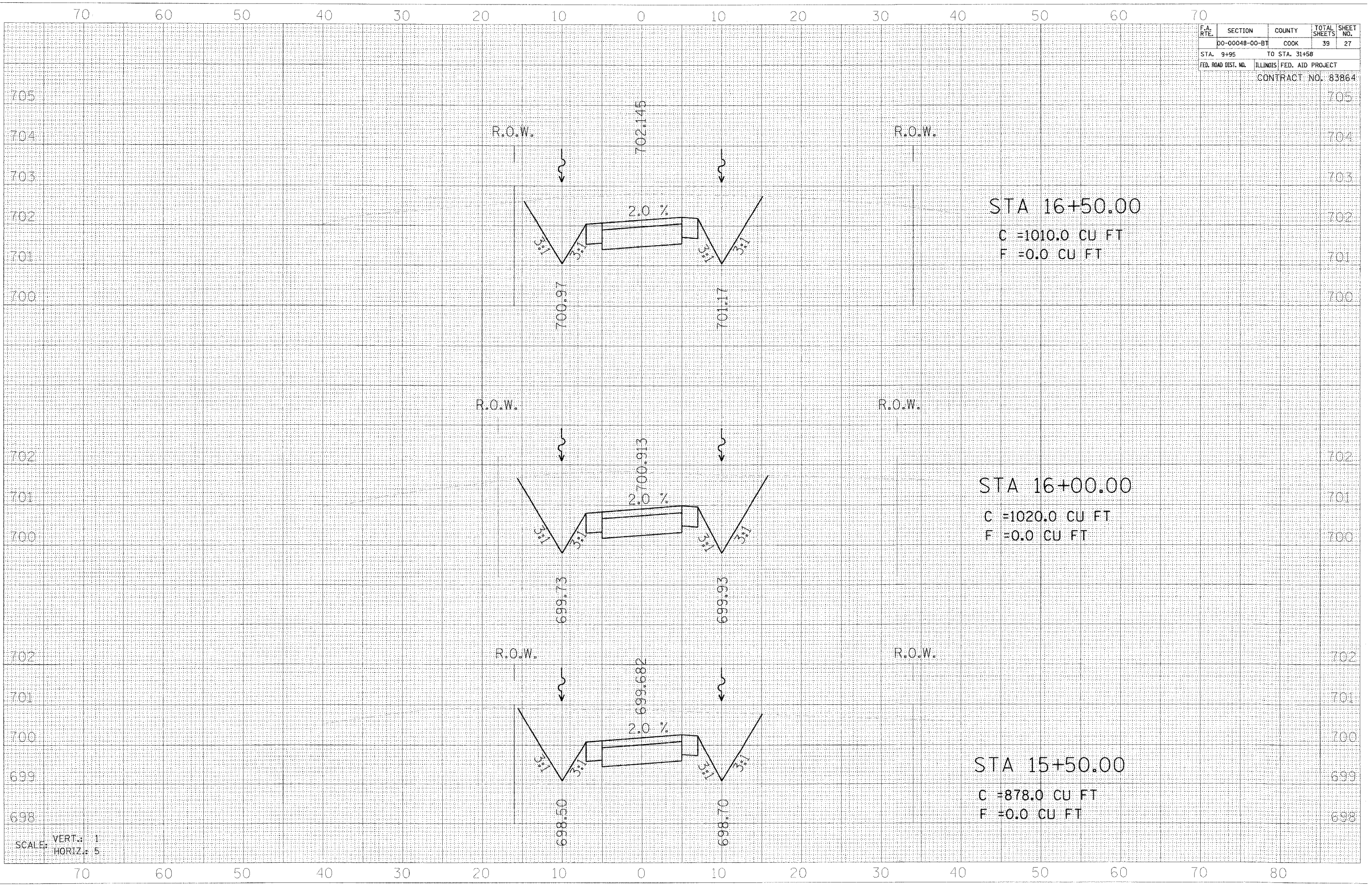
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	00-00048-00-BT	COOK	39	27
STA. 9+95		TO STA. 31+58		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 83864				

DATE	BY

DATE	BY

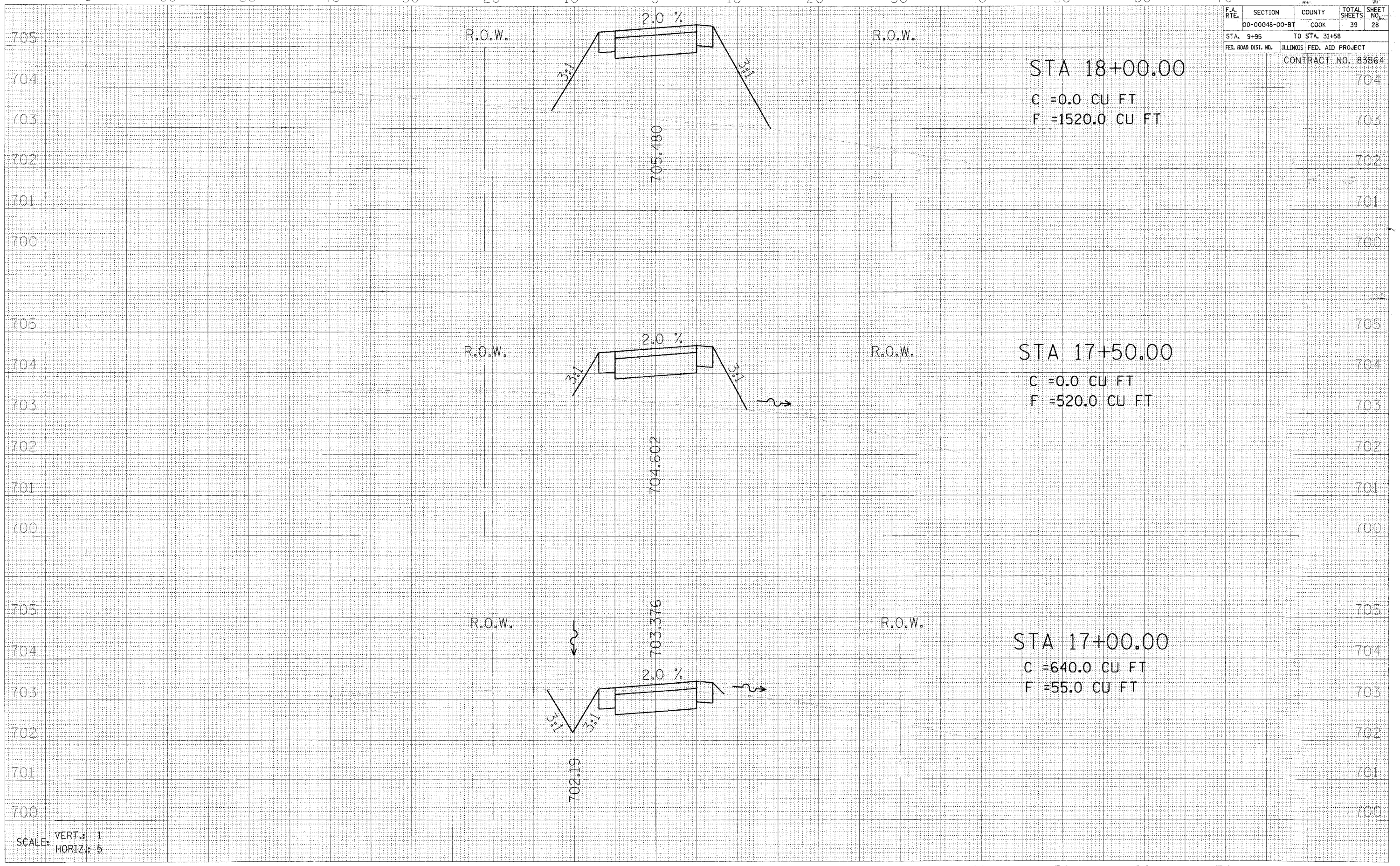
565 N. LASALLE SUITE 250
CHICAGO, IL 60610
(312)467-0133



SCALE: VERT.: 1
HORIZ.: 5

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	00-00048-00-BT	COOK	39	28
STA. 9+95		TO STA. 31+58		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



STA 18+00.00
 C = 0.0 CU FT
 F = 1520.0 CU FT

STA 17+50.00
 C = 0.0 CU FT
 F = 520.0 CU FT

STA 17+00.00
 C = 640.0 CU FT
 F = 55.0 CU FT

DATE	
BY	
NO.	
AREAS CHECKED	
TEMPLATE	
PLOTTED	
DESIGNED	
FINAL SURVEY	

DATE	
BY	
NO.	
AREAS CHECKED	
TEMPLATE	
PLOTTED	
DESIGNED	
FINAL SURVEY	

305 N. LA SALLE SUITE 250
 CHICAGO, IL 60610
 (312) 487-0123



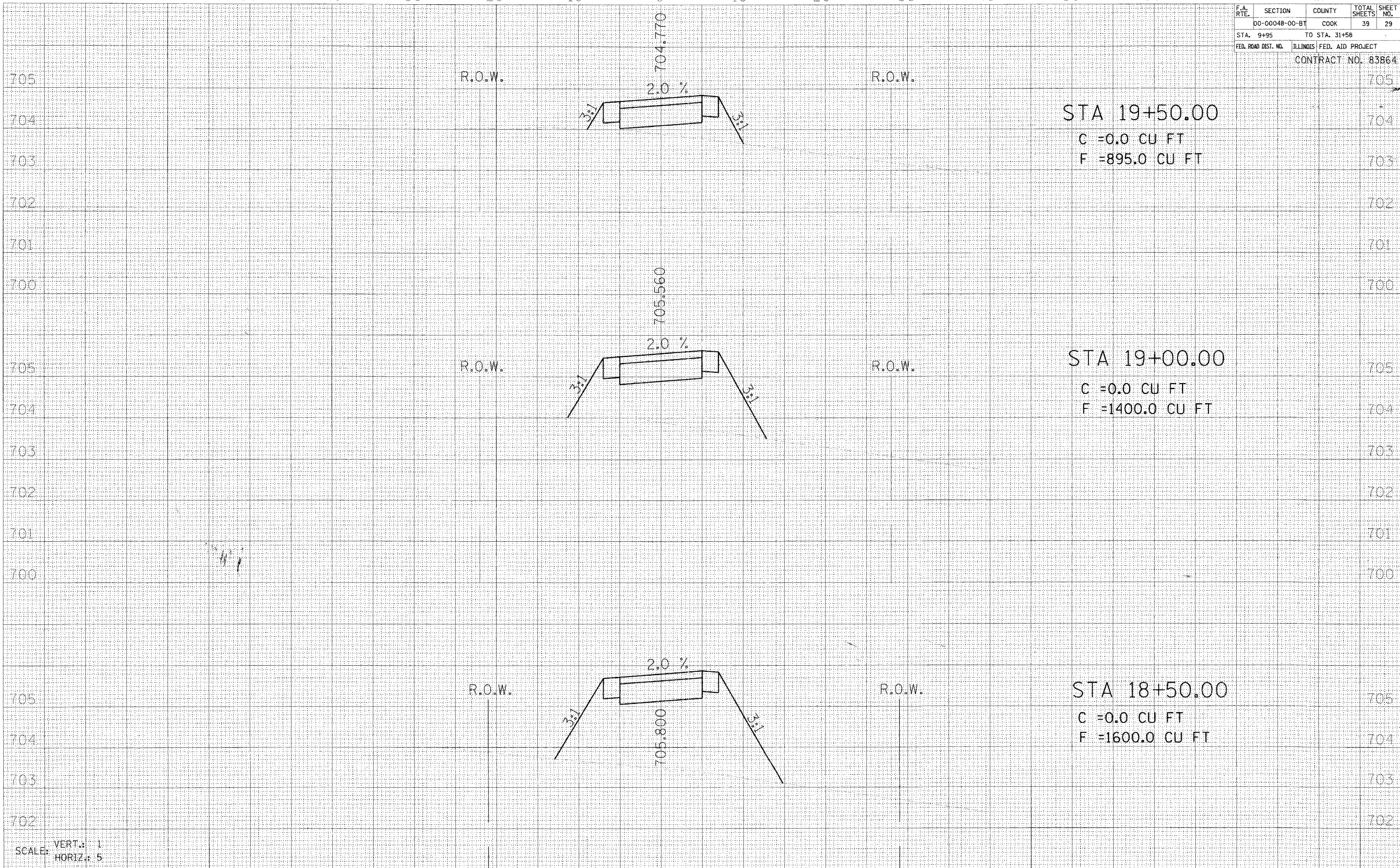
SCALE: VERT.: 1
 HORIZ.: 5

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT		COOK	39	29
STA. 9+95		TO STA. 31+58		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 83864



DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

505 N. LASALLE ST. SUITE 250
 CHICAGO, IL 60610
 (312) 407-0123

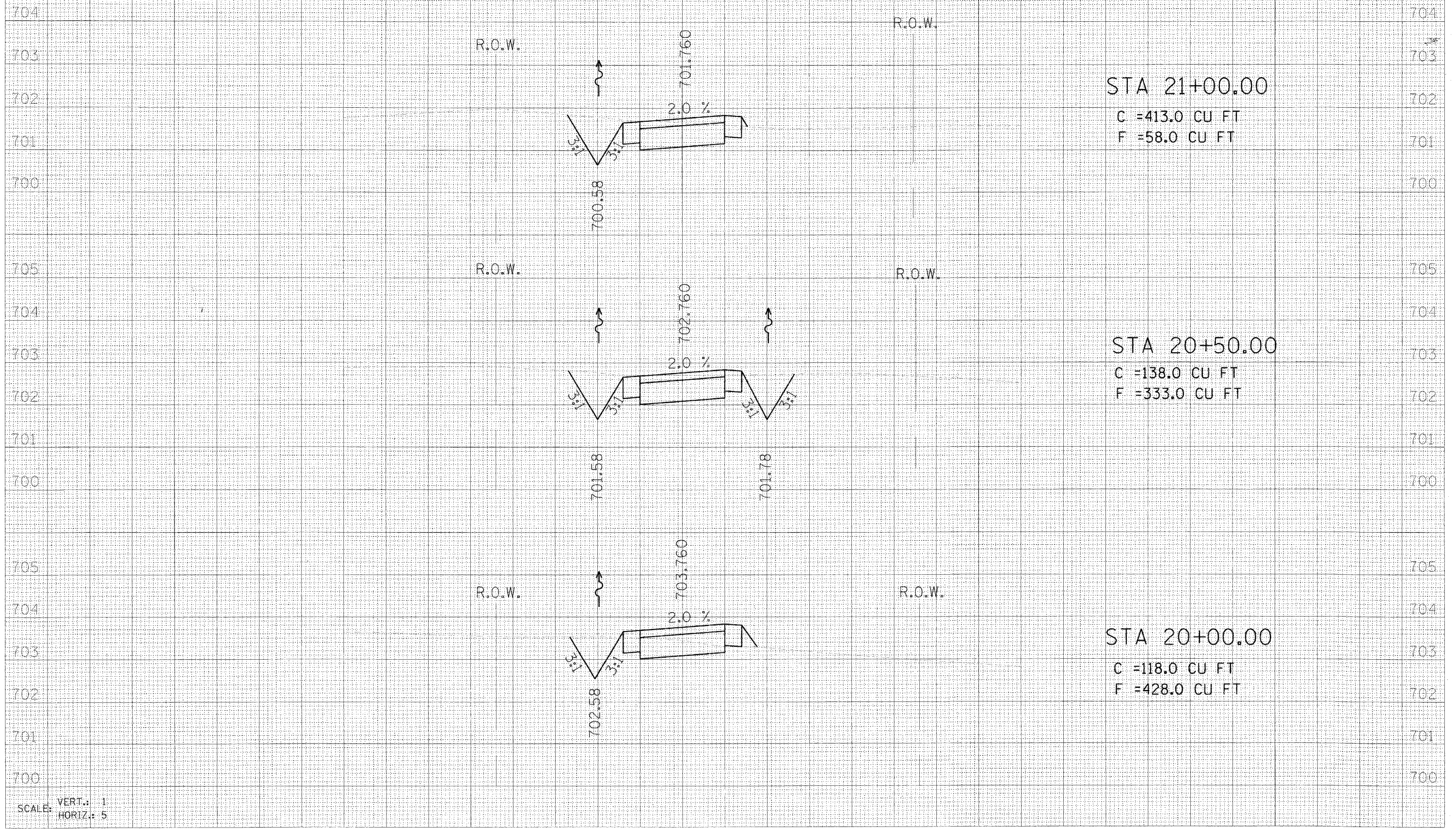


SCALE: VERT.: 1
 HORIZ.: 5

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70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	00-00048-00-BT	COOK	39	30
STA. 9+95	TO STA. 31+58			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
				CONTRACT NO. 83864



DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	TEMP. PLATE
NO.	AREAS CHECKED

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	TEMP. PLATE
NO.	AREAS CHECKED

505 N. LASALLE, SUITE 250
 CHICAGO, IL 60610
 (312) 687-0123



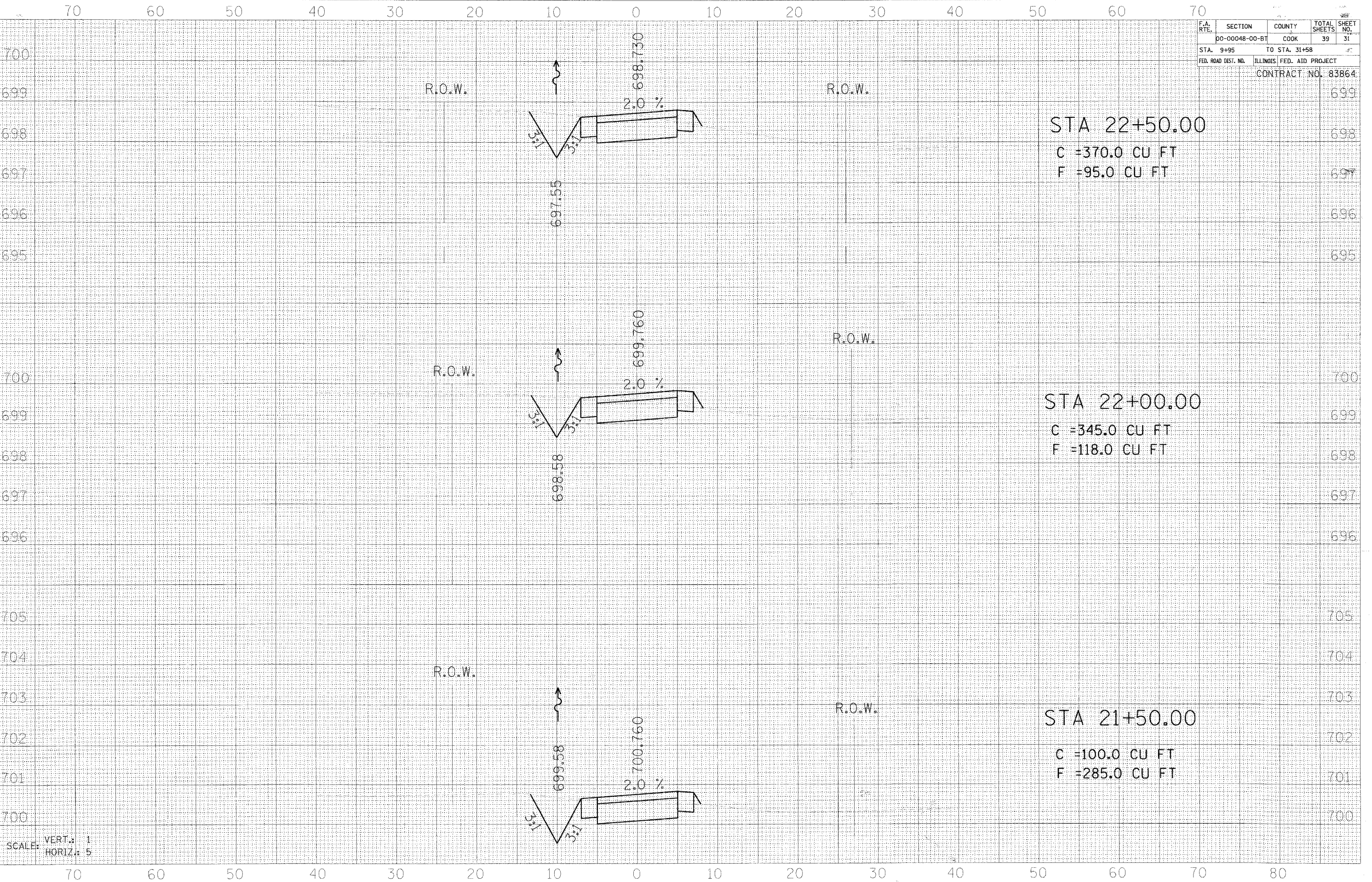
SCALE: VERT.: 1
 HORIZ.: 5

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

515 N. LA SALLE SUITE 250
CHICAGO, IL 60610
(312)467-0123



SCALE: VERT. 1
HORIZ. 5

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	00-00048-00-BT	COOK	39	31
STA. 9+95		TO STA. 31+58		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
				CONTRACT NO. 83864

STA 22+50.00
C =370.0 CU FT
F =95.0 CU FT

STA 22+00.00
C =345.0 CU FT
F =118.0 CU FT

STA 21+50.00
C =100.0 CU FT
F =285.0 CU FT

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	00-00048-00-BT	COOK	39	32
STA. 9+95	TO STA. 31+58			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONTRACT NO. 83864

DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY

305 N. LASALLE SUITE 250
CHICAGO, IL 60610
(312)467-0123



SCALE: VERT. 1
HORIZ. 5

699
698
697
696
695
700
699
698
697
696
695
700
699
698
697
696
695
700
699
698
697
696
695

R.O.W.

R.O.W.

R.O.W.

R.O.W.

R.O.W.

R.O.W.

STA 24+00.00

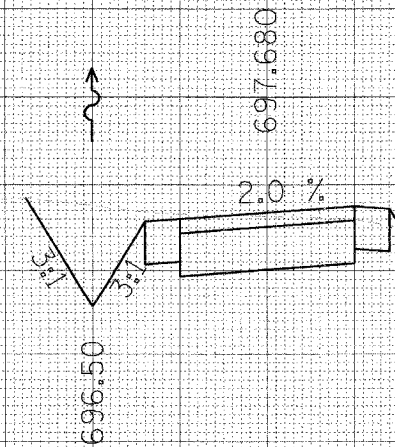
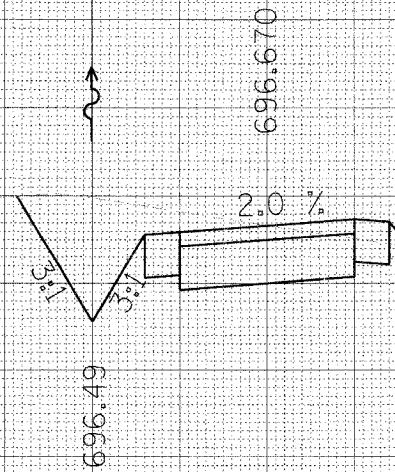
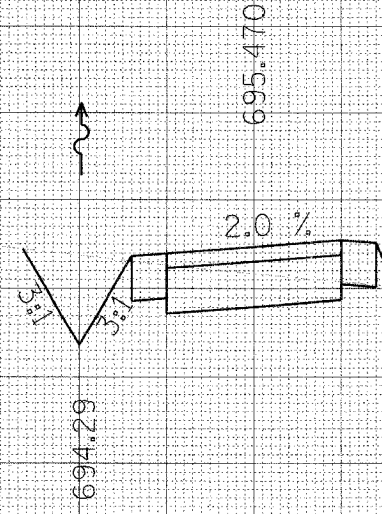
C = 363.0 CU FT
F = 125.0 CU FT

STA 23+50.00

C = 453.0 CU FT
F = 50.0 CU FT

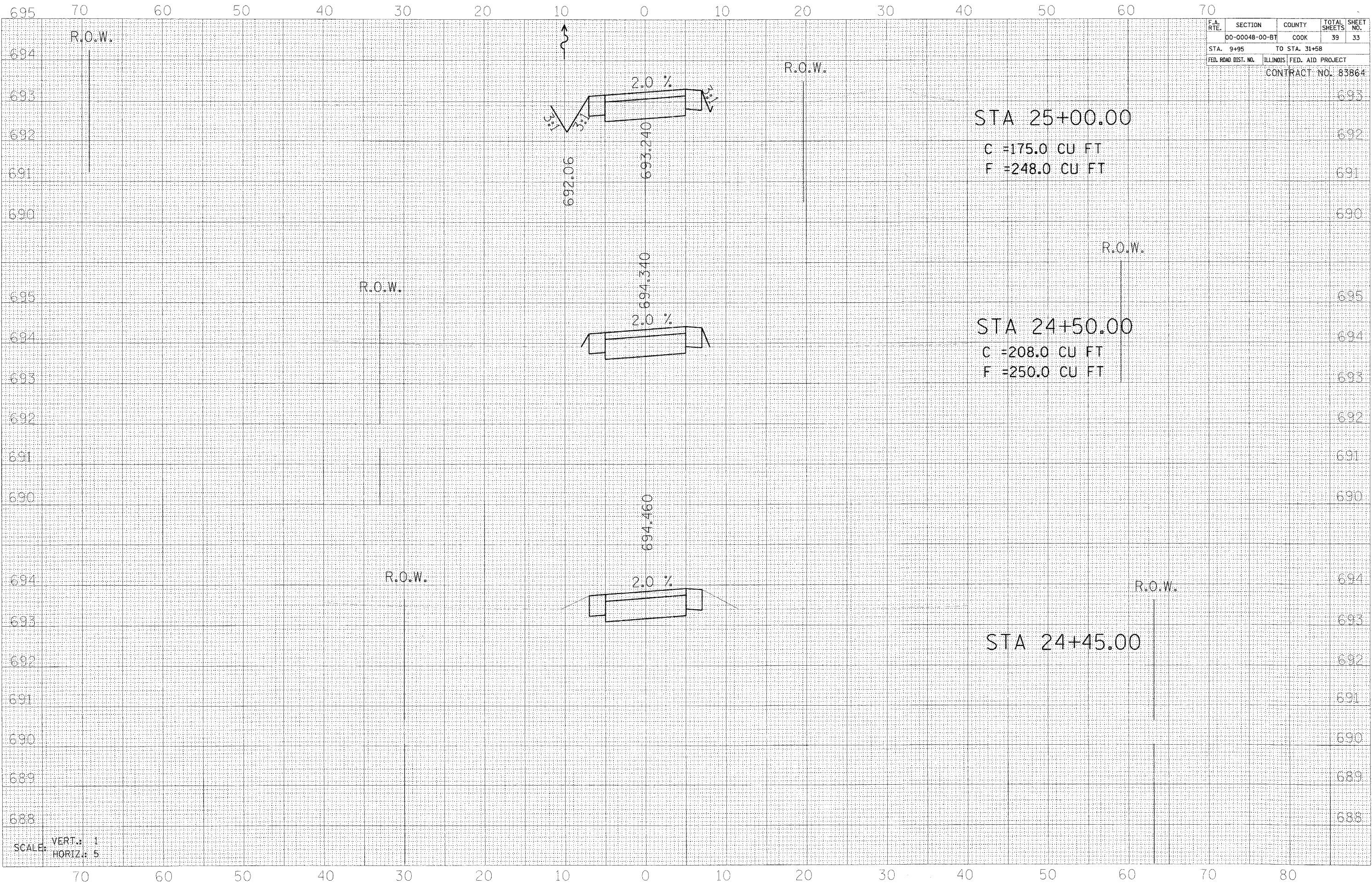
STA 23+00.00

C = 410.0 CU FT
F = 63.0 CU FT



698
697
696
695
700
699
698
697
696
695
700
699
698
697
696
695

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK		39	33
STA. 9+95		TO STA. 31+58		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 83864				

STA 25+00.00
 C = 175.0 CU FT
 F = 248.0 CU FT

STA 24+50.00
 C = 208.0 CU FT
 F = 250.0 CU FT

STA 24+45.00

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

505 N. LASALLE SUITE 250
 CHICAGO, IL 60610
 (312)467-0123



SCALE: VERT.: 1
 HORIZ.: 5

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	00-00048-00-BT	COOK	39	34
STA. 9+95		TO STA. 31+58		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CONTRACT NO. 83864

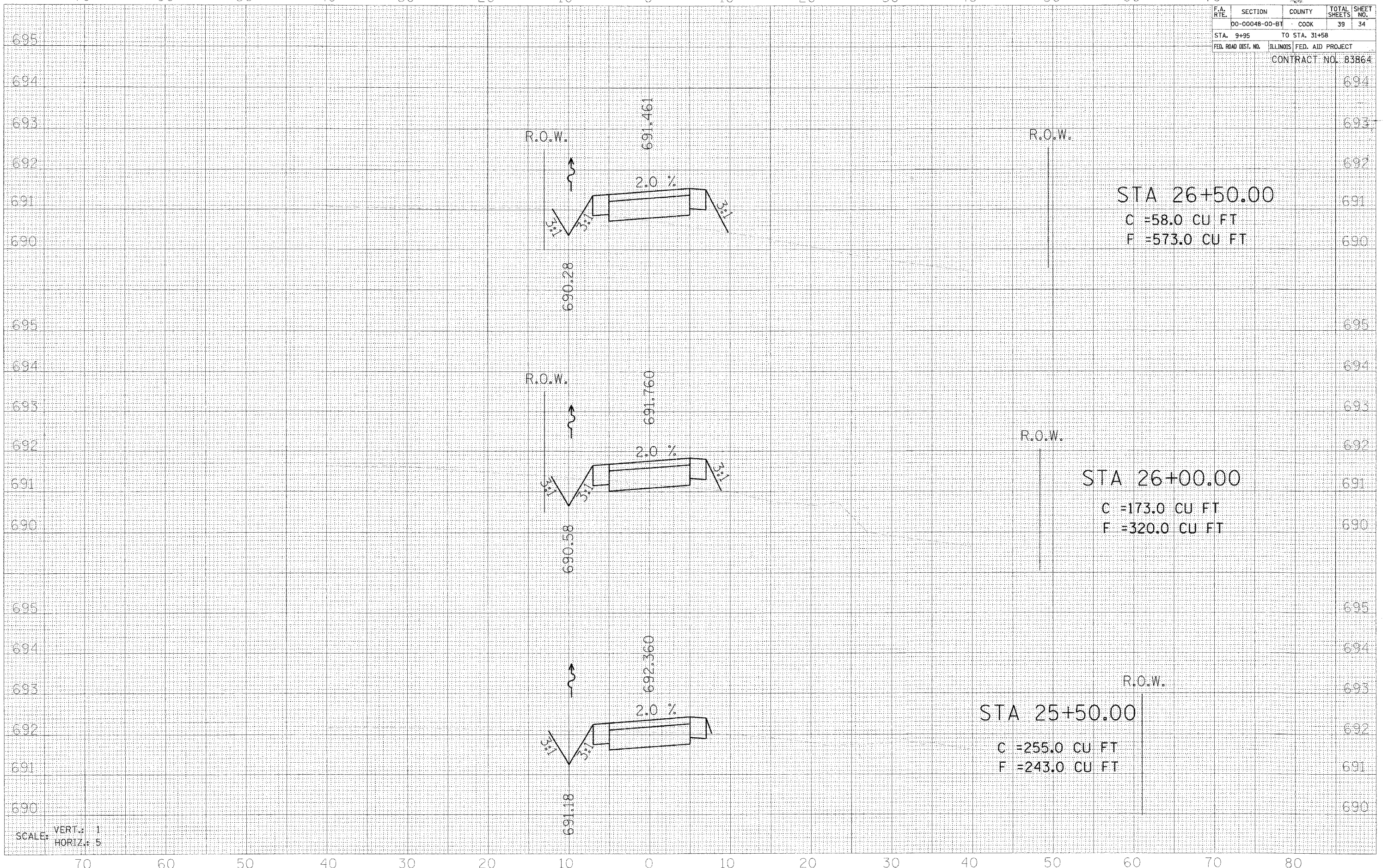
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY

505 N. LASALLE SUITE 230
CHICAGO, IL 60610
(312)467-0123



SCALE: VERT. 1
HORIZ. 5



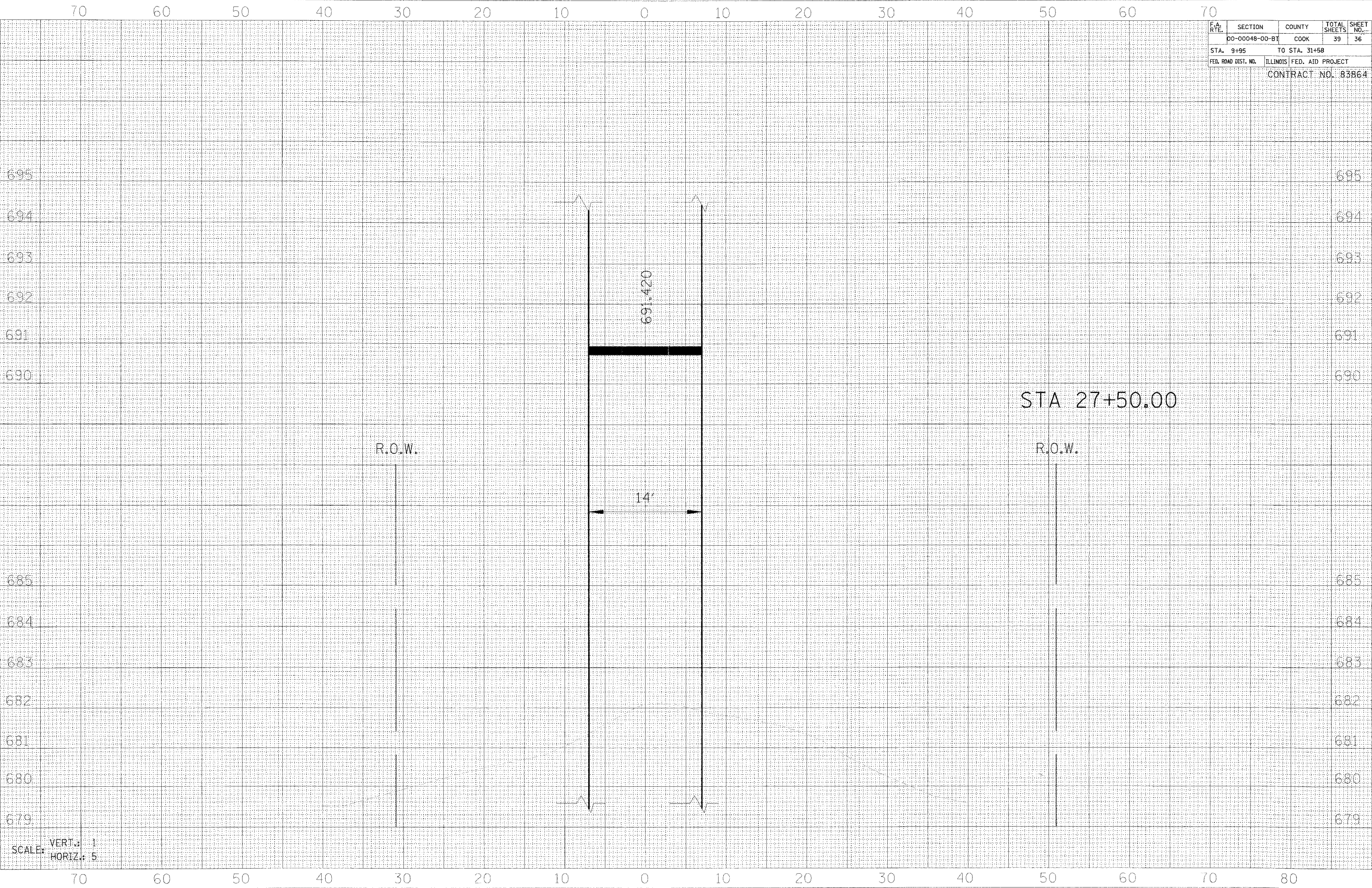
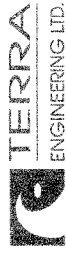
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F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	00-00048-00-BT	COOK	39	36
STA. 9+95	TO STA. 31+58			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 83864				

FINAL SURVEY	DATE
SURVEY	BY
NOTE BOOK	
TEMPLATE	
AREAS	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEY	BY
NOTE BOOK	
TEMPLATE	
AREAS	
AREAS CHECKED	

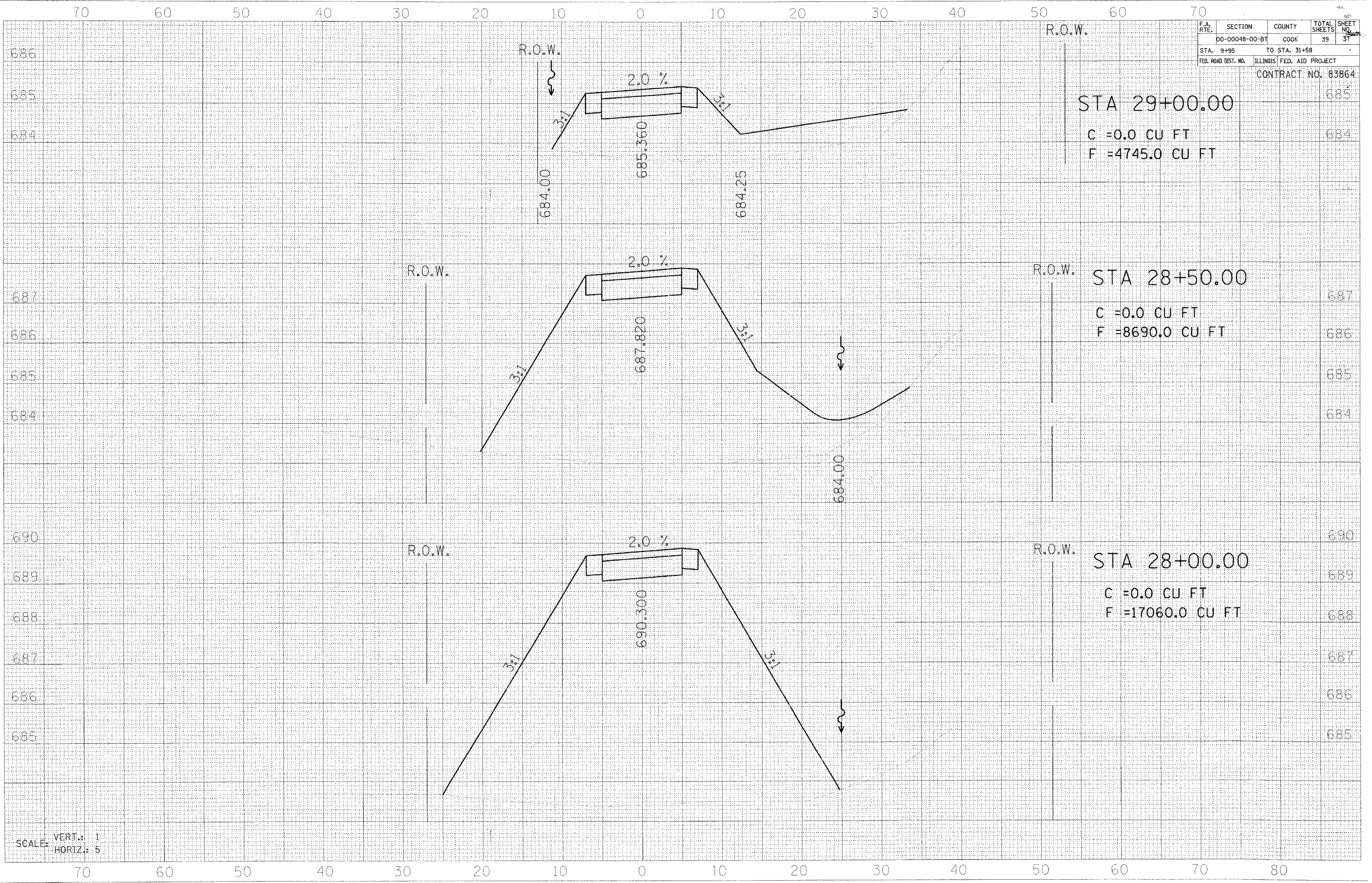
305 N. LASALLE SCITE 250
CHICAGO IL 60610
(312) 677-0123



SCALE: VERT. 1
HORIZ. 5

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	00-00048-00-BT	COOK	39	37
STA. 9+95		TO STA. 31+58		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 83864



DATE	BY

DATE	BY

505 N. LASALLE ST. SUITE 250
CHICAGO, IL 60610
(312) 467-0123



SCALE: VERT.: 1
HORIZ.: 5

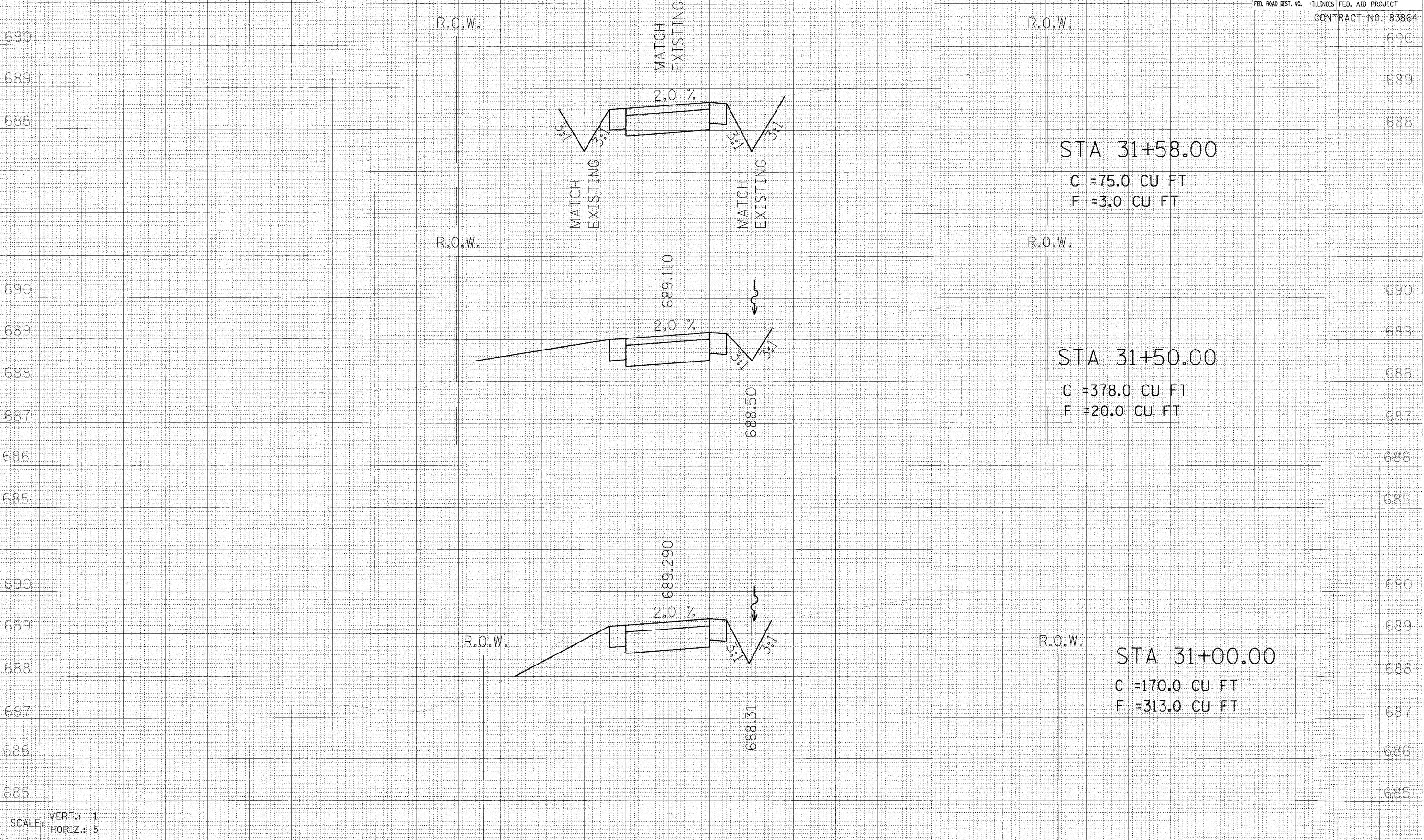
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	00-00048-00-B1	COOK	39	39
STA. 9+95	TO STA. 31+58			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 83864				

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

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

505 N. LASALLE SUITE 250
CHICAGO, IL 60610
(312)467-0423



SCALE: VERT.: 1
HORIZ.: 5

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80