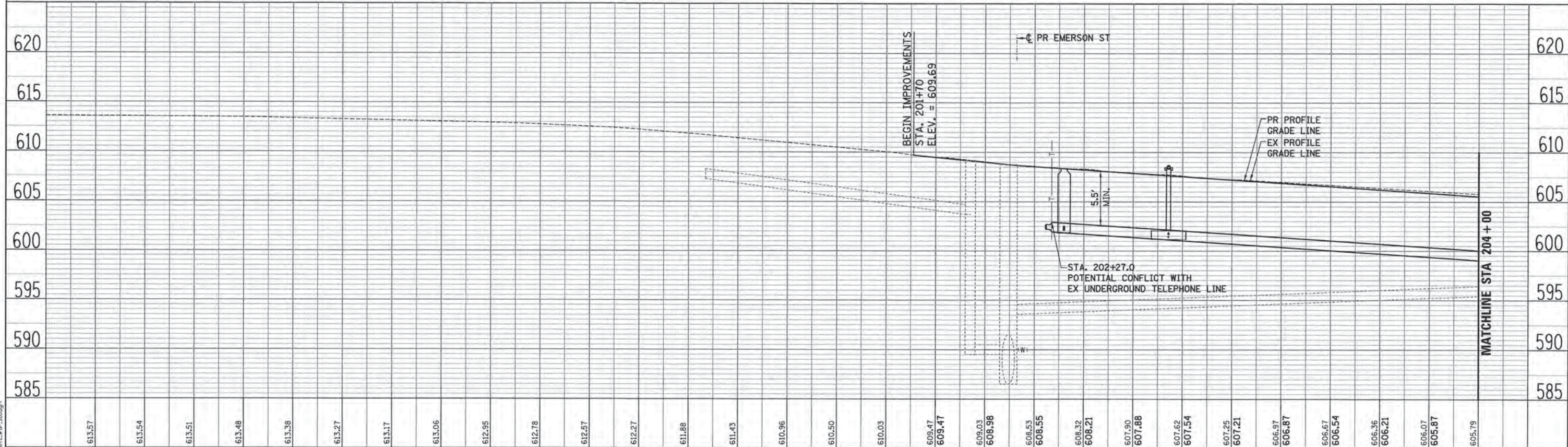
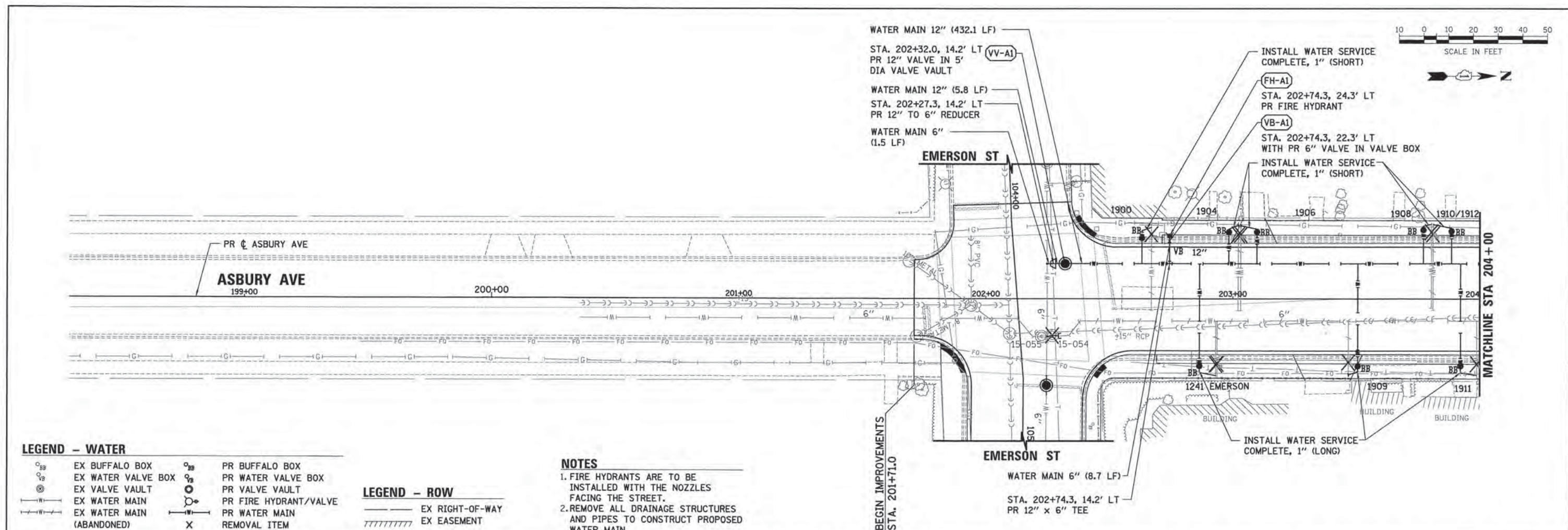


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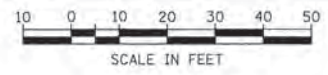
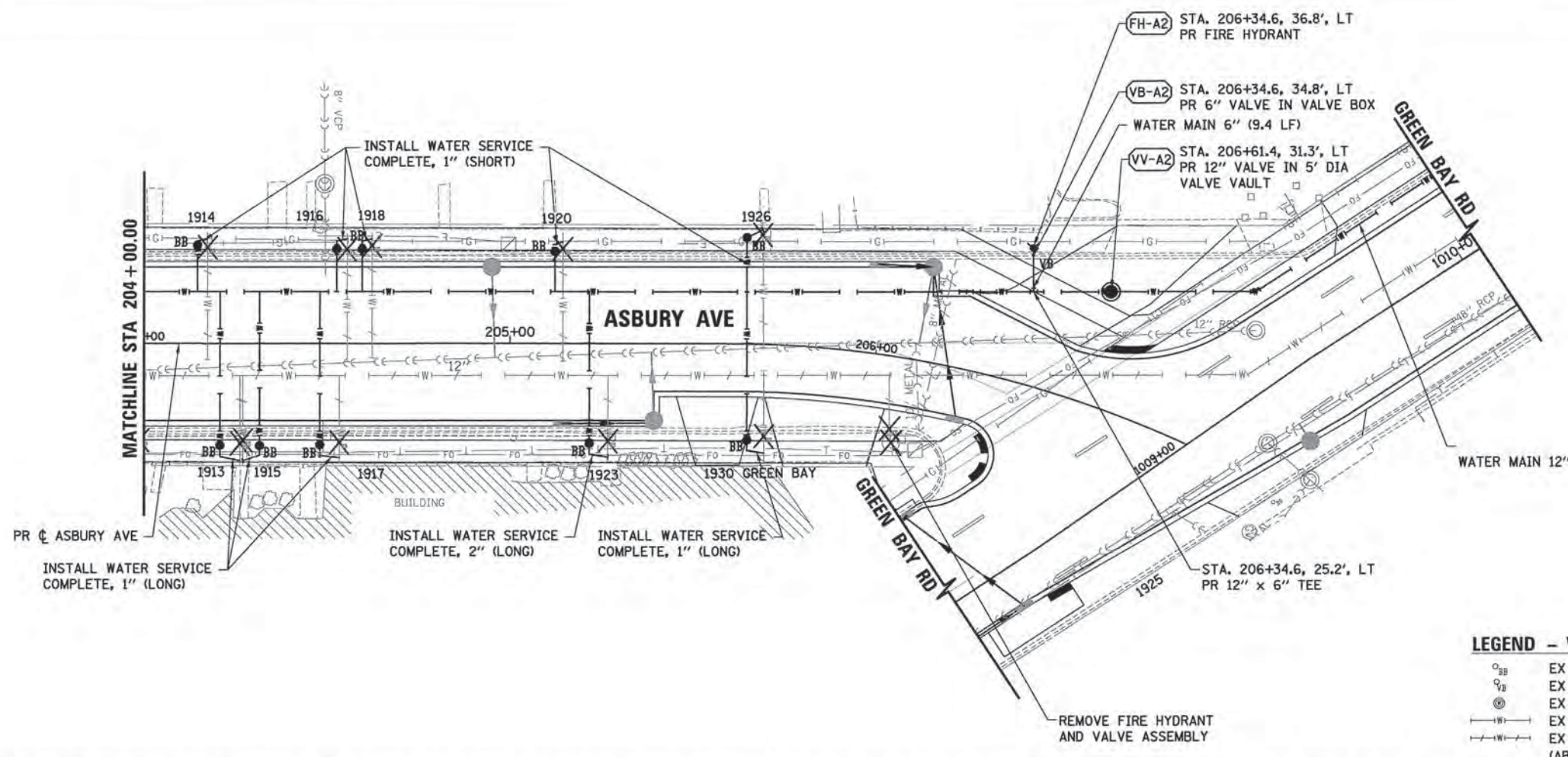
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	PLOTTED	
	NOTED	
	BY	
	NO.	



PLAN	SURVEYED	DATE
	ALIGNED	BY
	NOTED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	GRADES	BY
	NOTED	
	STRUCTURE	

FILE NAME: ER081_ah-1-vr-17.dgn

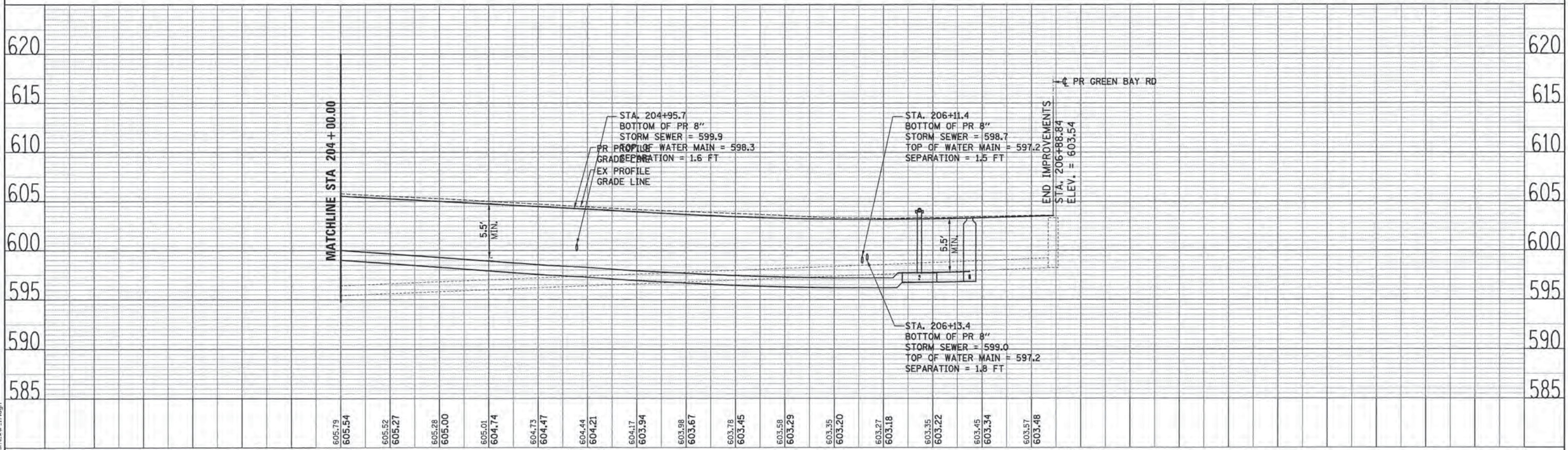


LEGEND - ROW
 --- EX RIGHT-OF-WAY
 // EX EASEMENT

NOTES
 1. FIRE HYDRANTS ARE TO BE INSTALLED WITH THE NOZZLES FACING THE STREET.
 2. REMOVE ALL DRAINAGE STRUCTURES AND PIPES TO CONSTRUCT PROPOSED WATER MAIN.

LEGEND - WATER

○ _{BB}	EX BUFFALO BOX	○ _{BB}	PR BUFFALO BOX
○ _{VB}	EX WATER VALVE BOX	○ _{VB}	PR WATER VALVE BOX
○	EX VALVE VAULT	○	PR VALVE VAULT
— — —	EX WATER MAIN	— — —	PR FIRE HYDRANT/VALVE
— — —	EX WATER MAIN (ABANDONED)	X	PR WATER MAIN REMOVAL ITEM

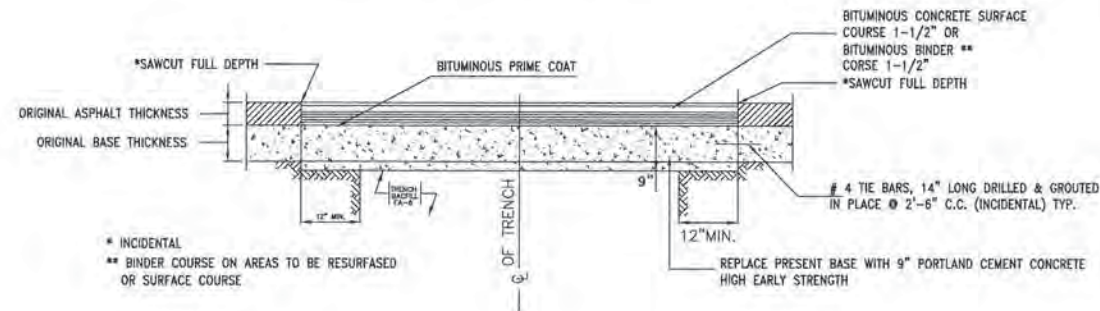


	USER NAME = bhennicha	DESIGNED - BAH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN PLAN AND PROFILES ASBURY AVENUE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLT SCALE = 20,000' / 1" =	CHECKED - MAR	REVISED -		SCALE:	SHEET 16 OF 18 SHEETS	STA. TO STA.	13-00270-00-CH	COOK	393	302
	PLT DATE = 1/7/2016	DATE - 10/9/2015	REVISED -				CONTRACT NO. 61C32 ILLINOIS FED. AID PROJECT				

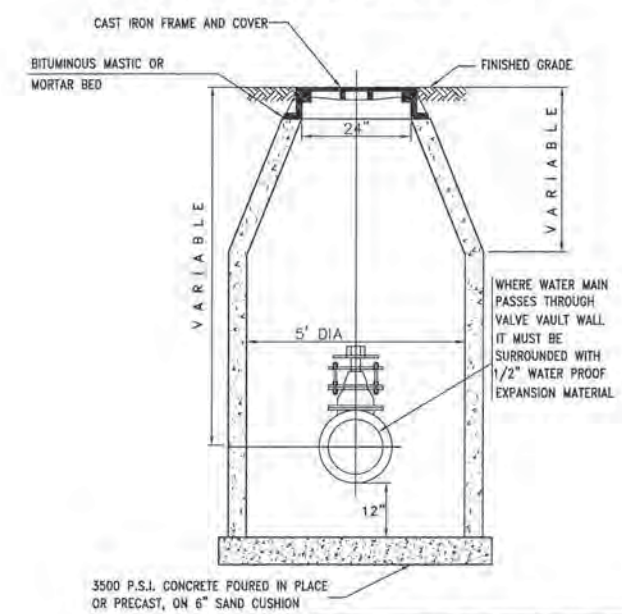
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	DESIGNED		
	DRAWN		
	CHECKED		
	IN CHARGE		
	NOTED		
	BY		
	DATE		
	NO.		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	DESIGNED		
	DRAWN		
	CHECKED		
	IN CHARGE		
	NOTED		
	BY		
	DATE		
	NO.		
	FILE NAME		

PAVEMENT PATCH (FULL DEPTH) (9" P.C.C. BASE & BIT OVERLAY)



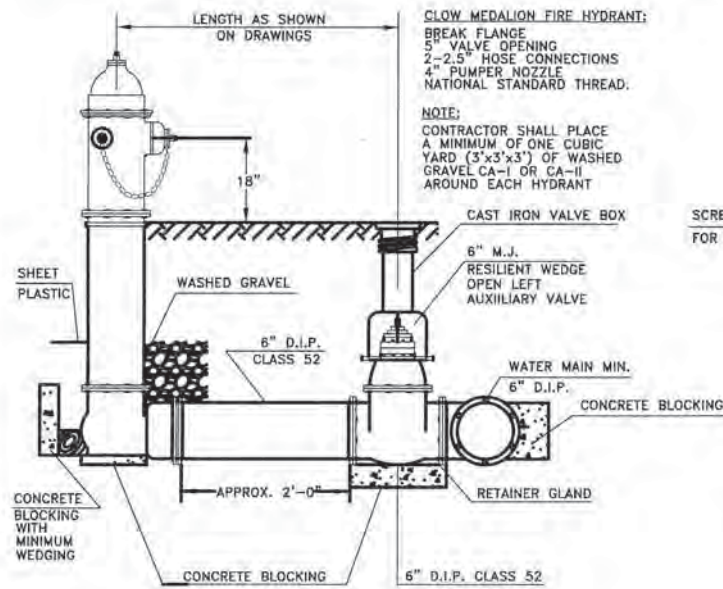
TYPICAL VALVE VAULT DETAIL



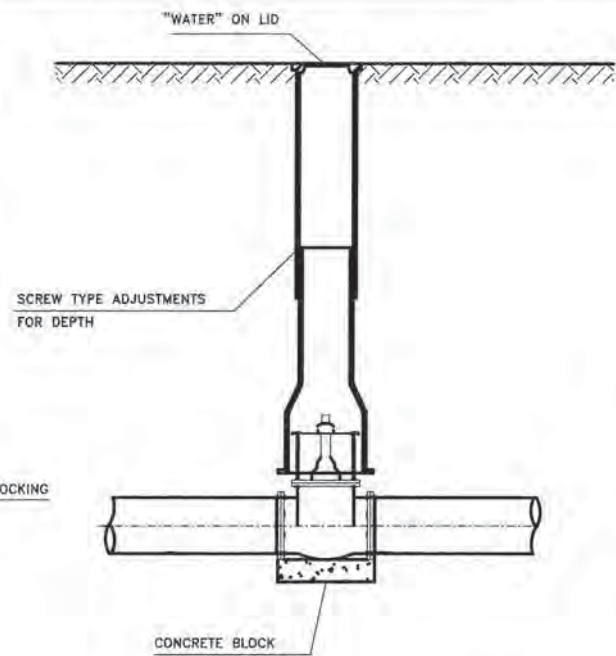
PIPE SIZE (INCH I. D.)	UNIT RATE PER LIN. FT. (TONS)
8	0.19
10	0.22
12	0.25
15	0.33
18	0.41
21	0.48
24	0.57
27	0.64
30	0.74
36	0.94
42	1.15
48	1.38
54	1.71
60	1.90

FILE NAME: ERG01_sht-17-1B.dgn

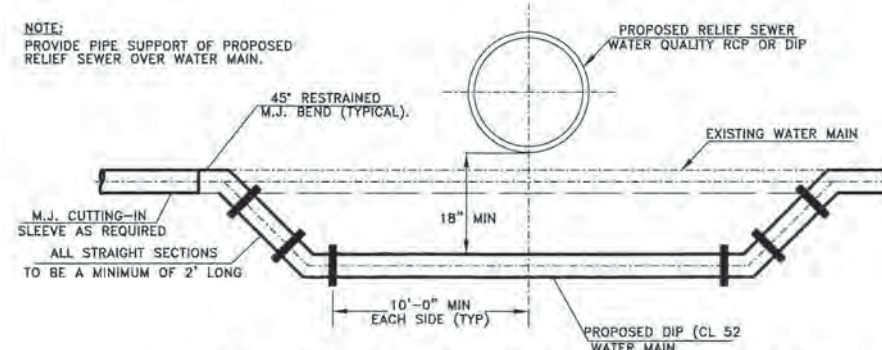
(EVANSTON WATER DEPARTMENT)
FOR NEW HYDRANT INSTALLATION AND FOR HYDRANT REPLACEMENT



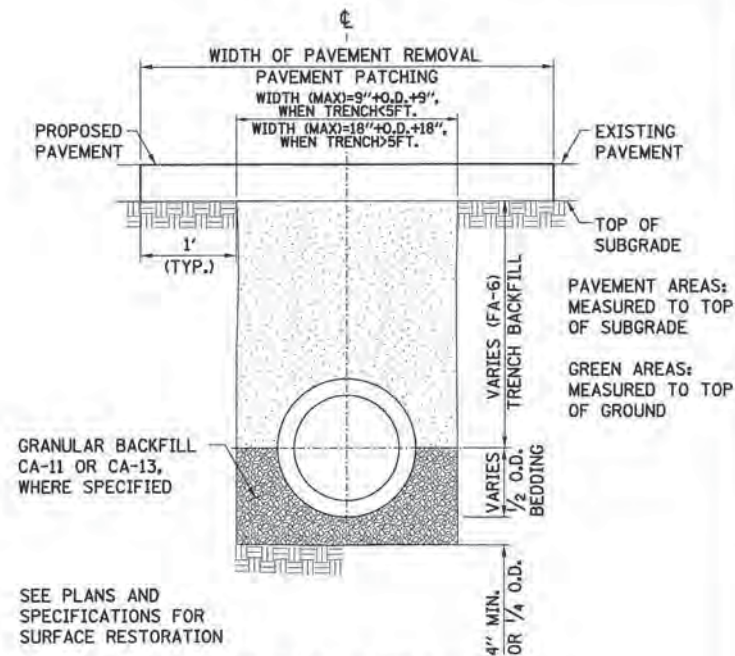
TYPICAL FIRE HYDRANT DETAIL



TYPICAL VALVE BOX INSTALLATION



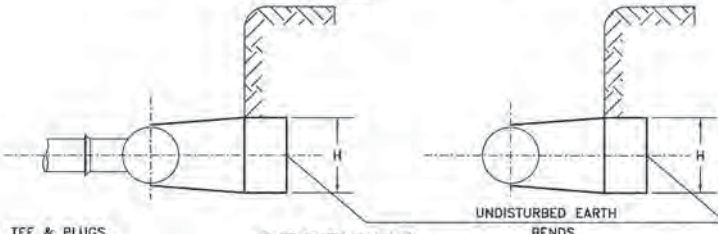
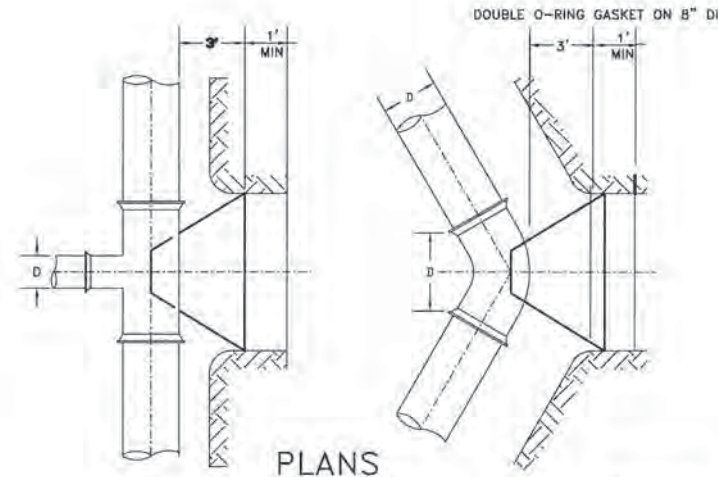
TYPICAL WATER MAIN ADJUSTMENT DETAIL



TYPICAL DETAIL TRENCH DETAIL FOR RIGID PIPE

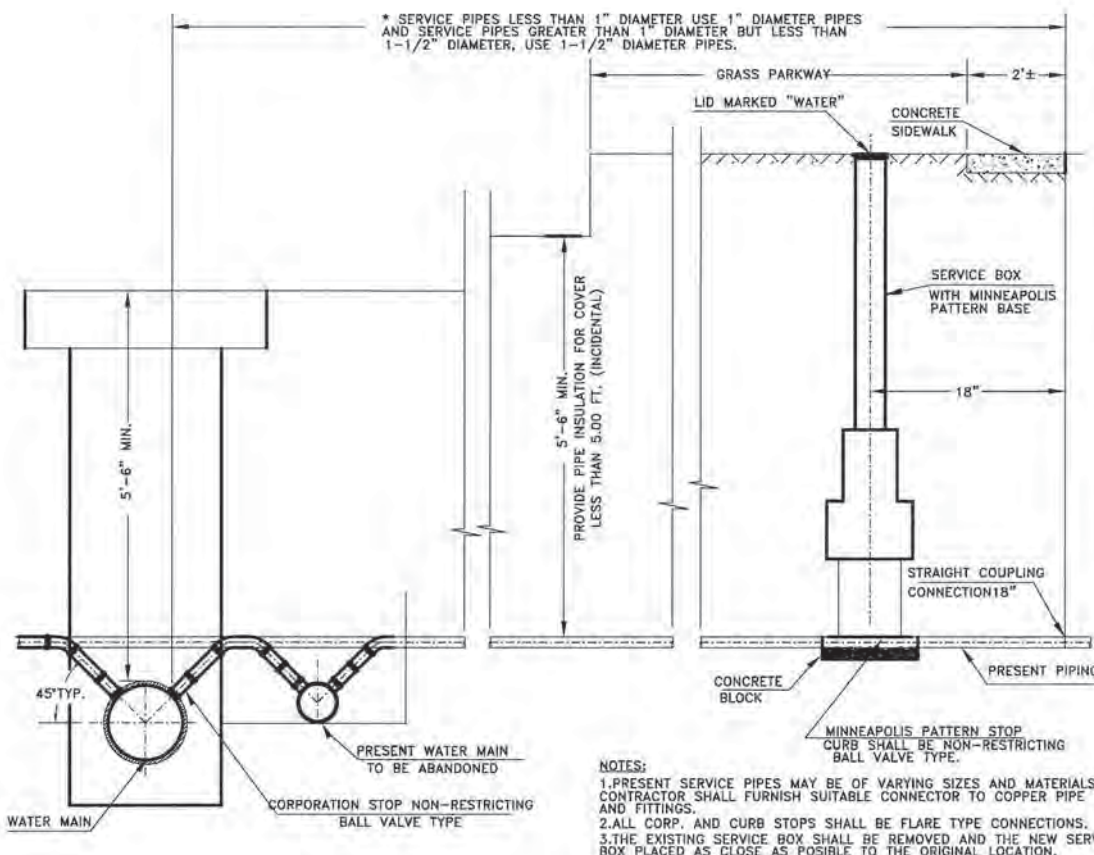
DATE	
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FILE NAME	
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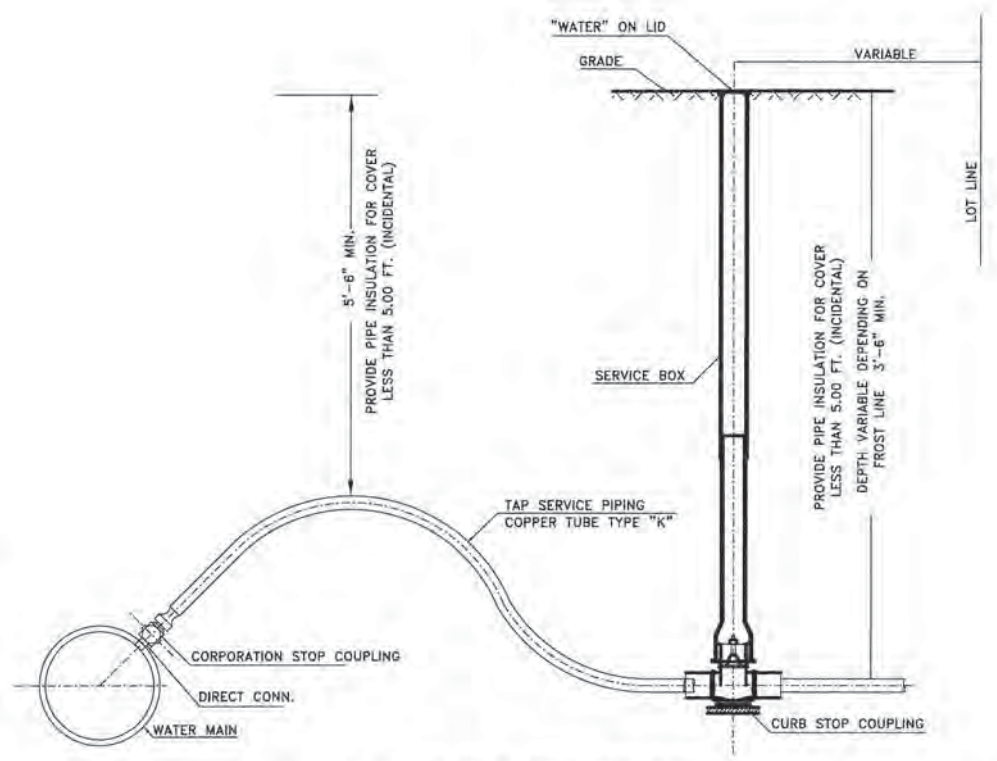


PIPE SIZE TYPE OF FITTING	6"		8"		10"		12"	
	L	H	L	H	L	H	L	H
TEE & PLUG	2'-0"	1'-6"	2'-0"	2'-0"	3'-0"	2'-0"	4'-6"	2'-0"
90° BEND	2'-0"	2'-0"	3'-0"	2'-0"	4'-6"	2'-0"	6'-0"	2'-0"
45° BEND	2'-0"	1'-0"	2'-0"	1'-6"	3'-0"	1'-6"	3'-6"	2'-0"
22-1/2° BEND	1'-0"	1'-0"	2'-0"	1'-6"	2'-0"	1'-6"	3'-0"	1'-6"
11-1/4° BEND	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	1'-0"

TYPICAL THRUST BLOCK DETAILS



TYPICAL WATER SERVICE CONNECTION DETAIL



TYPICAL TAP SERVICE PIPING

NOTES:
1. PRESENT SERVICE PIPES MAY BE OF VARYING SIZES AND MATERIALS, CONTRACTOR SHALL FURNISH SUITABLE CONNECTOR TO COPPER PIPE AND FITTINGS.
2. ALL CORP. AND CURB STOPS SHALL BE FLARE TYPE CONNECTIONS.
3. THE EXISTING SERVICE BOX SHALL BE REMOVED AND THE NEW SERVICE BOX PLACED AS CLOSE AS POSSIBLE TO THE ORIGINAL LOCATION.



USER NAME = bliemrchs	DESIGNED - BAH	REVISED -
PLOT SCALE = 1/8" = 1'	DRAWN - BAH	REVISED -
PLOT DATE = 1/7/2016	CHECKED - MAR	REVISED -
	DATE - 10/9/2015	REVISED -

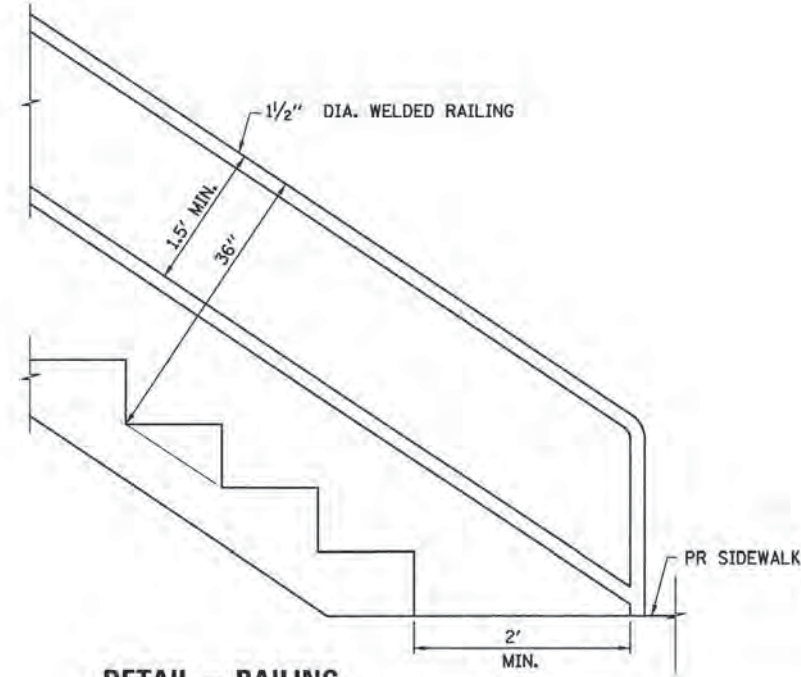
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN PLAN AND PROFILES EVANSTON STANDARD DETAILS			
SCALE:	SHEET 18 OF 18 SHEETS STA.	TO STA.	

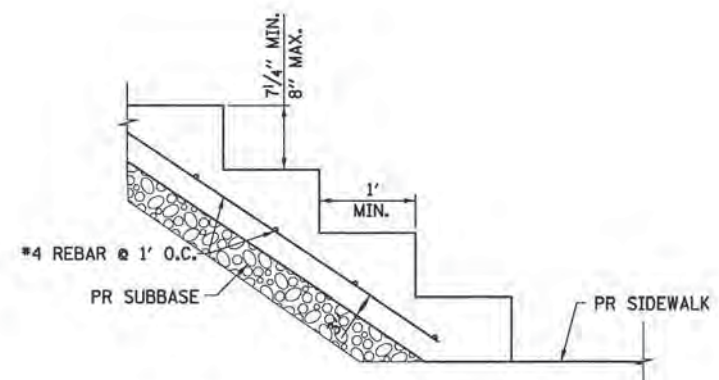
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00270-00-CH	COOK	393	304
CONTRACT NO. 61C32			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	ALIGNED	BY
	RTY. OF WAY CHECKED	
	NO. OF MAY CHECKED	
	NO. FILE NAME	

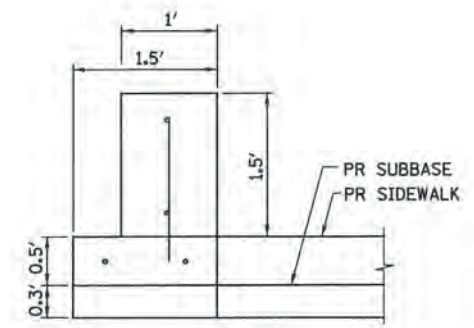
PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	B.M. NOTED	
	STRUCTURE NOTATIONS CHKD	



DETAIL - RAILING
N.T.S.



DETAIL - STAIRS (PCC)
N.T.S.



DETAIL - RETAINING WALL (PCC)
N.T.S.

FILE NAME: ERGB1...shl.dwt.dwg

ESI CONSULTANTS, LTD.
1000 W. WASHINGTON ST. SUITE 100
 DEERFIELD, ILLINOIS 60015

USER NAME = bhanvicha	DESIGNED - BAH	REVISED - -
	DRAWN - BAH	REVISED - -
PLOT SCALE = 5.0000' / 1"	CHECKED - MAR	REVISED - -
PLOT DATE = 1/7/2016	DATE - 10/9/2015	REVISED - -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MISCELLANEOUS DETAILS			
SCALE: _____	SHEET	OF	SHEETS
STA.	TO STA.		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	305
				CONTRACT NO. 61C32
ILLINOIS FED. AID PROJECT				

PLAN	DESIGNED	BY	DATE
	ALIGNED		
NOTE BOOK NO.	CHECKED		
	BY FILE NAME		

PROFILE	DESIGNED	BY	DATE
	GRADES CHECKED		
NOTE BOOK NO.	BY NOTED		
	STRUCTURE NOTATIONS		

NOT USED

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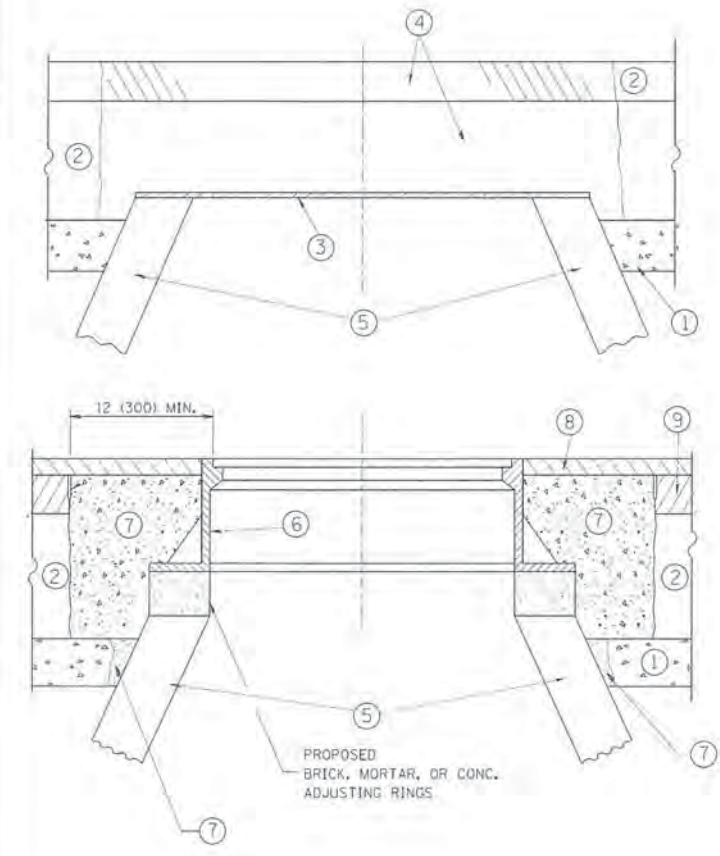
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PLOT SCALE = 20,000' / 1" = 1/200	CHECKED - MAR	REVISED - -
PLOT DATE = 1/7/2016	DATE - 10/9/2015	REVISED - -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

SCALE: _____ SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	306
CONTRACT NO. 61C32			ILLINOIS FED. AID PROJECT	



CONSTRUCTION PROCEDURES

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

- STAGE 2 (AFTER PAVEMENT MILLING)**
- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
 - B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
 - C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.
- * UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

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

NOTES:

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

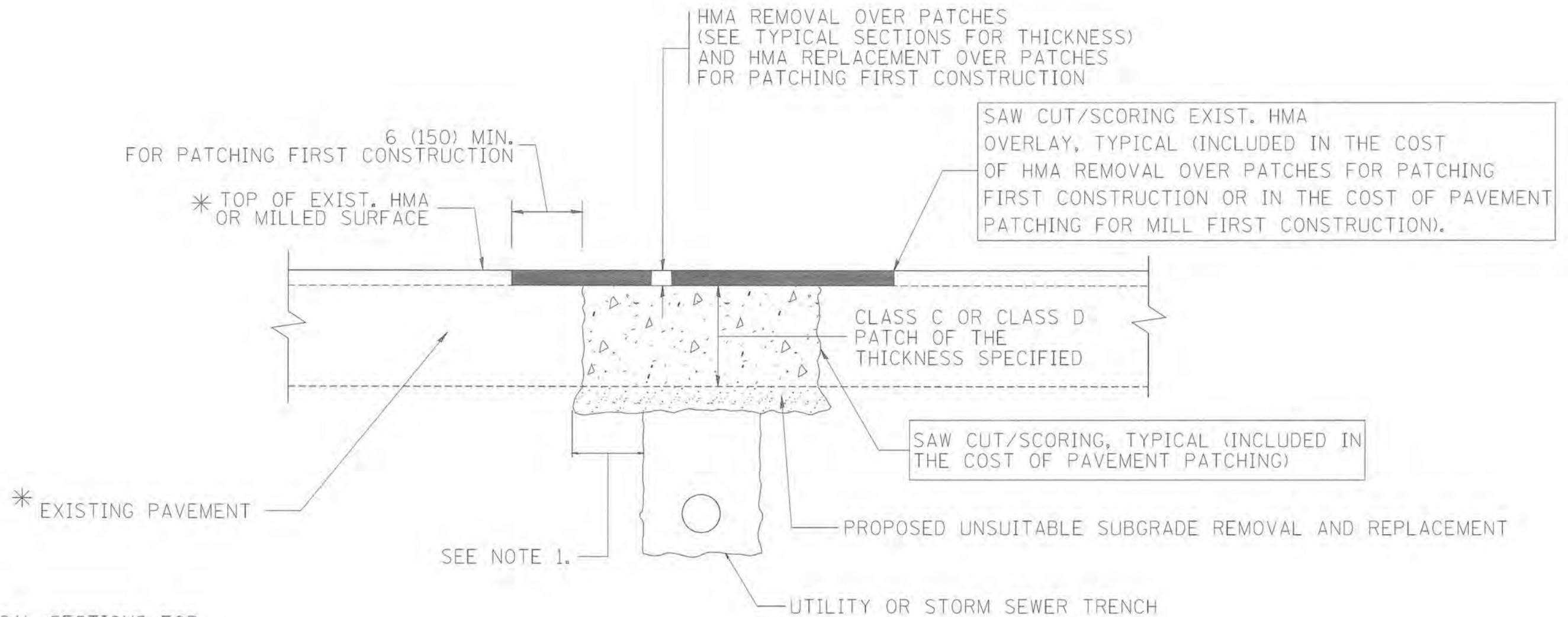
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

DESIGNED	BAH, SHAH	REVISED	R, WIEDEMANN 05-14-04
DRAWN	BAH	REVISED	R, BORO 01-01-07
CHECKED	MAR	REVISED	R, BORO 03-09-11
DATE	10/9/2014	REVISED	R, BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1	OF 1	SHEETS
STA.	TO STA.		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	307
BD600-03 (BD-8)			CONTRACT NO. 61C32	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

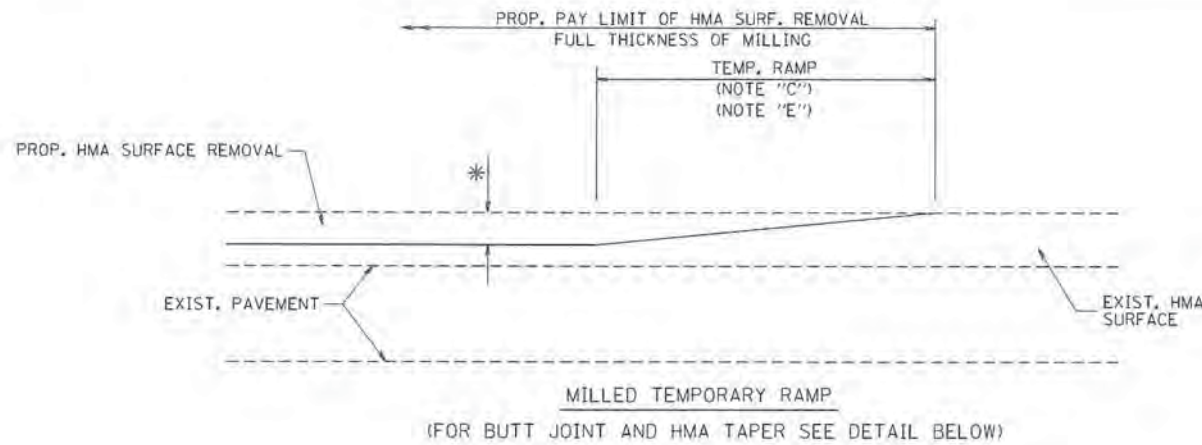
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

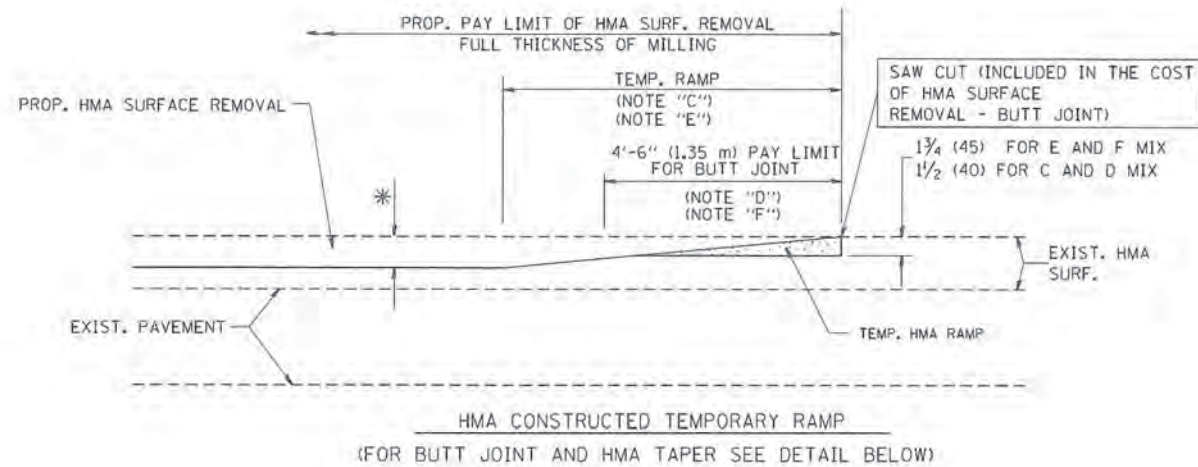
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

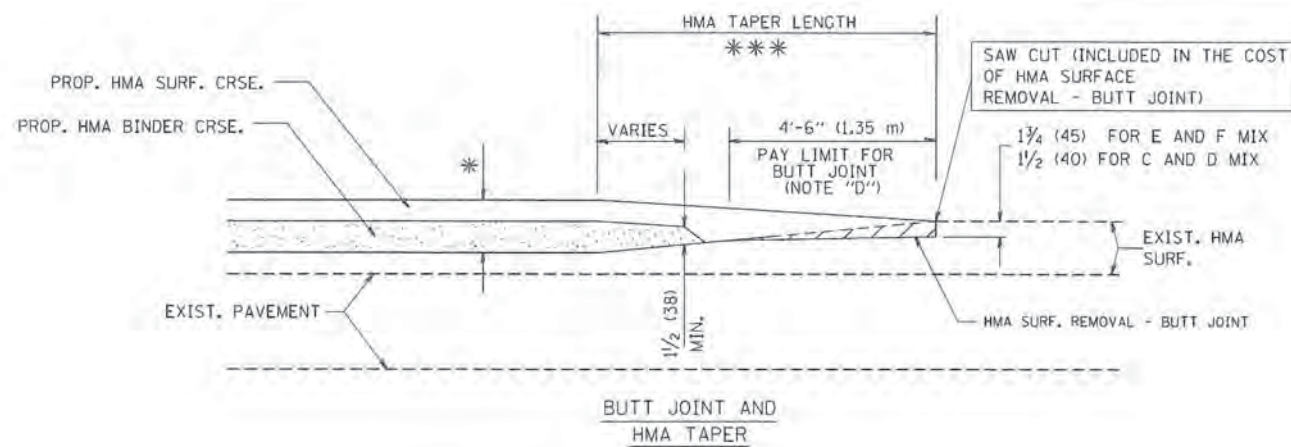
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		DRAWN - BAH	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	13-00270-00-CH	COOK	393	308
		CHECKED - MAR	REVISED - R. BORO 09-04-07					BD400-04 (BD-22)		CONTRACT NO. 61C32		
		DATE - 10/9/2014	REVISED - K. ENG 10-27-08		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



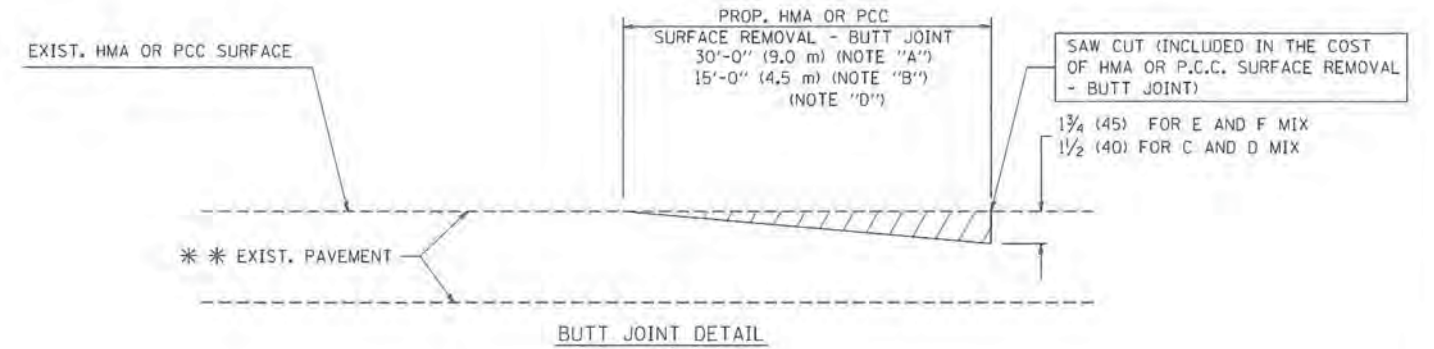
OPTION 1



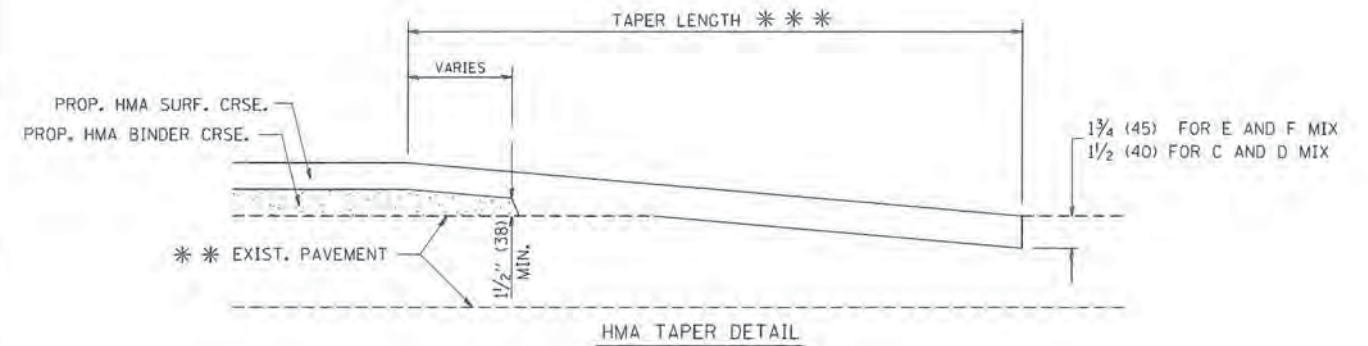
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

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

BASIS OF PAYMENT:

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

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

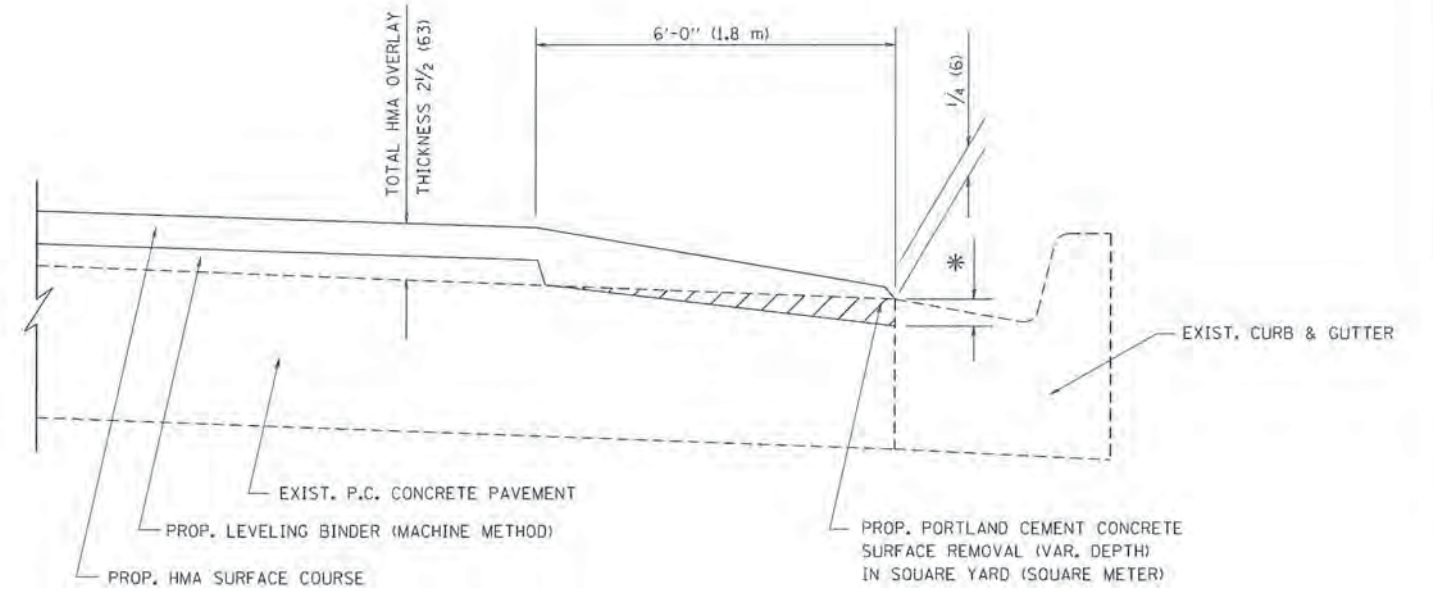
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	PLOT SCALE = 5/8" = 1' - 0"	CHECKED - MAR	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 10/28/2010	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	309
BD400-05 BD32			CONTRACT NO. 61C32	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



HMA TAPER AT
EDGE OF P.C.C PAVEMENT

HMA SURFACE	LEVELING BINDER		
MIX	THICKNESS	THICKNESS	* MILLING AT GUTTER FLAG
C OR D	1 1/2 (38)	1 (25)	1/4 (33)
F	1 3/4 (44)	3/4 (19)	1/2 (38)

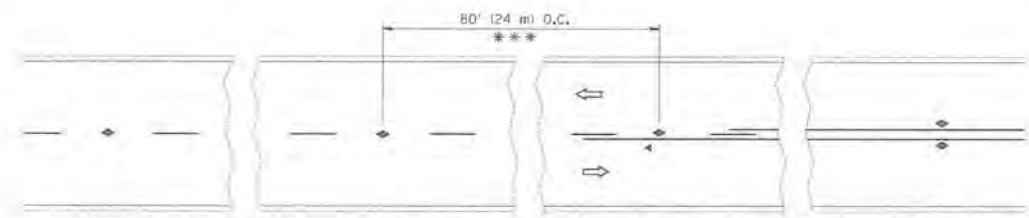
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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		DRAWN - BAMS	REVISED - A. ABBAS 05-05-99
	PLOT SCALE = 50,000.0' / 1" =	CHECKED - MAR. ABBAS	REVISED - E. GOMEZ 12-21-00
	PLOT DATE = 1/4/2008	DATE - 10/29/2014	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

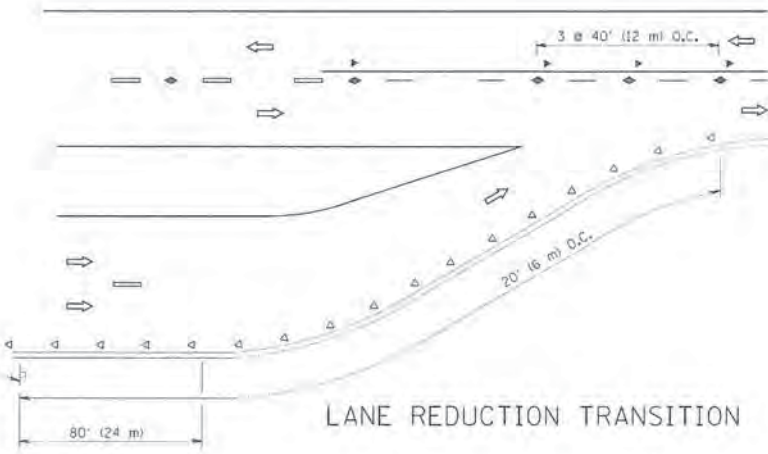
HMA TAPER AT EDGE OF P.C.C PAVEMENT			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE. *	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	310
BD400-06 (BD33)		CONTRACT NO. 61C32		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

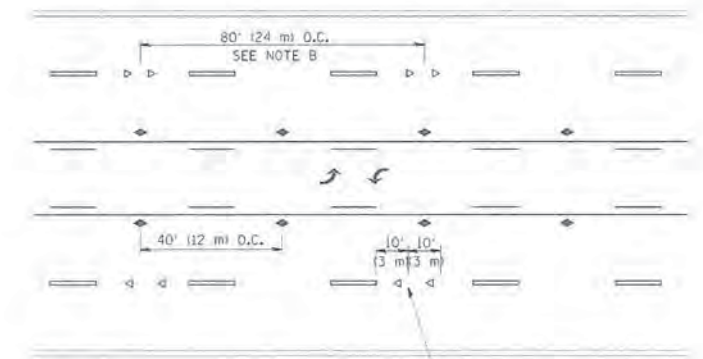


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

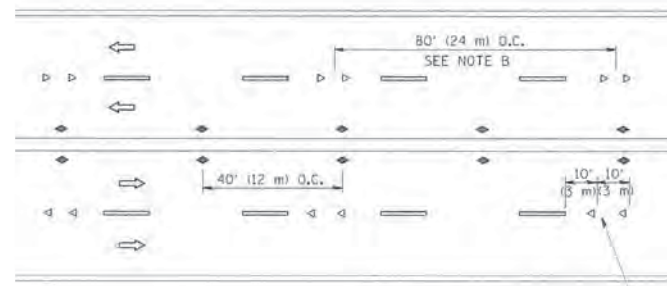
TWO-LANE/TWO-WAY



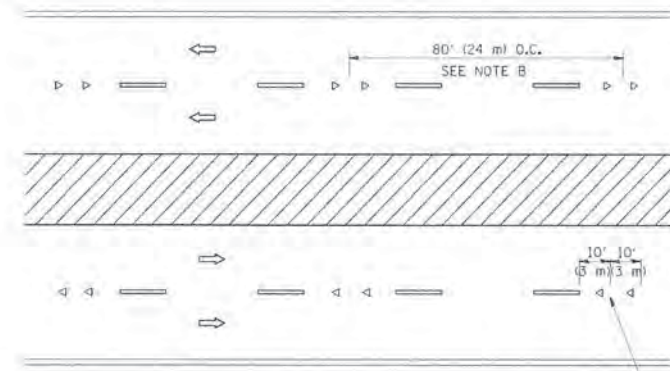
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

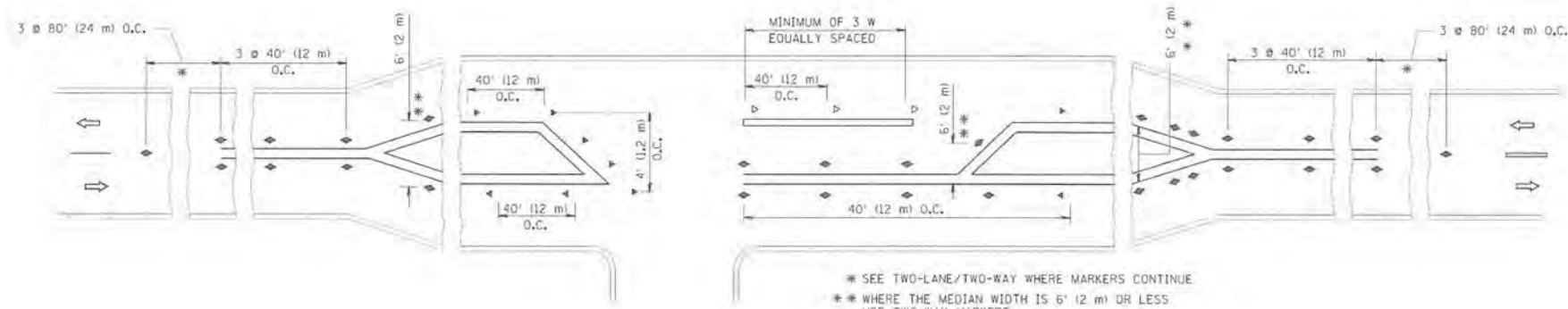
- YELLOW STRIPE
- WHITE STRIPE
- ◄ ONE-WAY AMBER MARKER
- ◄ ONE-WAY CRYSTAL MARKER (W/O)
- ◄ TWO-WAY AMBER MARKER

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.

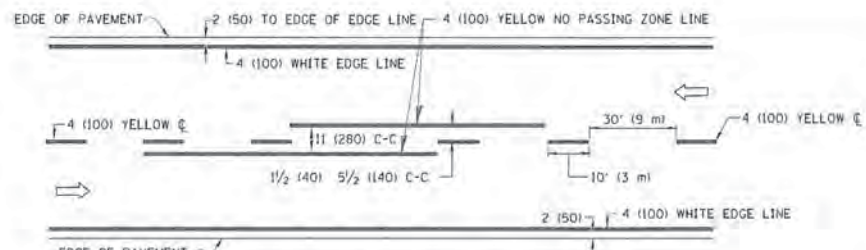


LEFT TURN

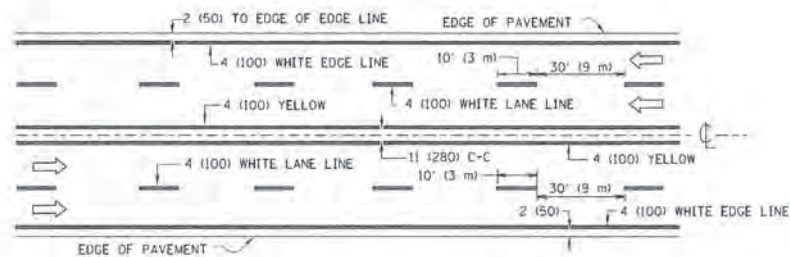
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

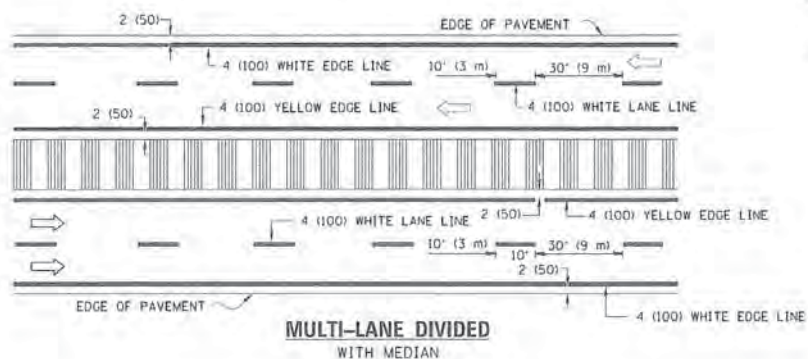
FILE NAME 13-00270-00-CH-311.dwg	DESIGNED - BAH	REVISOR - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - BAH	REVISOR - T. RAMMACHER 03-12-99		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	13-00270-00-CH	COOK	393
PLT SCALE - 1/8"=1'-0"	CHECKED - MAR	REVISOR - T. RAMMACHER 01-06-00					TC-11			
PLT DATE - 8/27/83	DATE - 10/9/2015	REVISOR - C. JUCCIUS 09-09-09								CONTRACT NO. 61C32
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

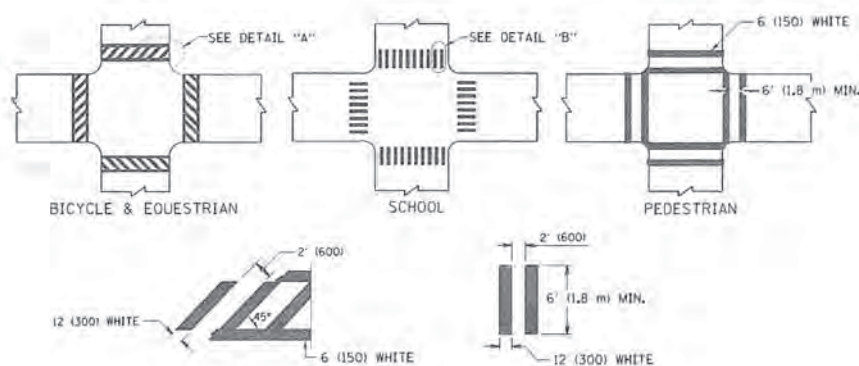


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

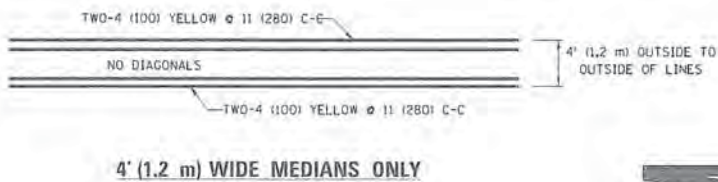


DETAIL "A"

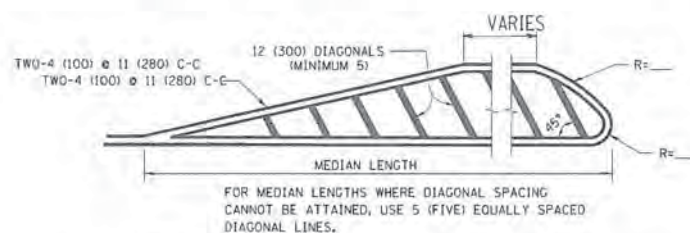
DETAIL "B"

TYPICAL CROSSWALK MARKING

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

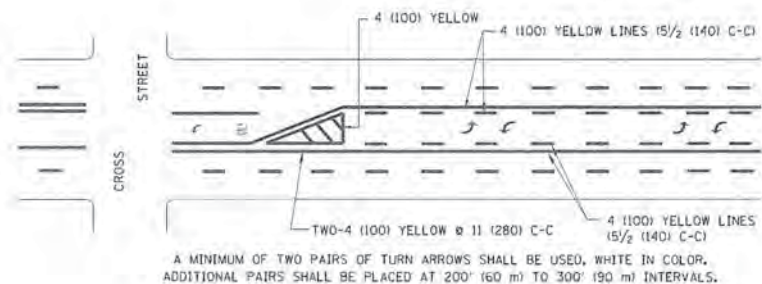


4' (1.2 m) WIDE MEDIANS ONLY



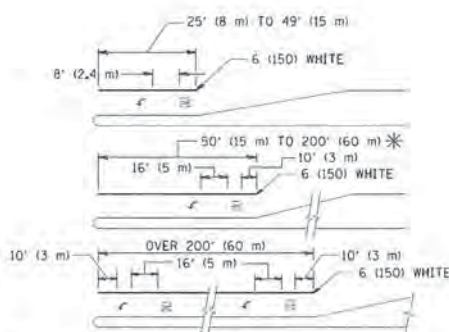
MEDIANS OVER 4' (1.2 m) WIDE

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))



MEDIAN WITH TWO-WAY LEFT TURN LANE

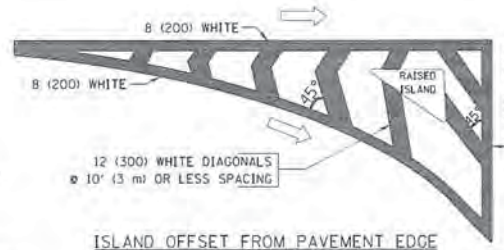
TYPICAL PAINTED MEDIAN MARKING



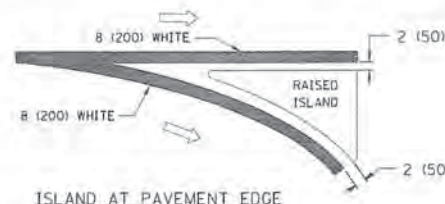
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8" (2,4 m) AND ARROWS SHALL BE USED.
AREA = 15,6 SQ. FT. (1,5 m²) ONLY AREA = 20,8 SQ. FT. (1,9 m²)
* 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".

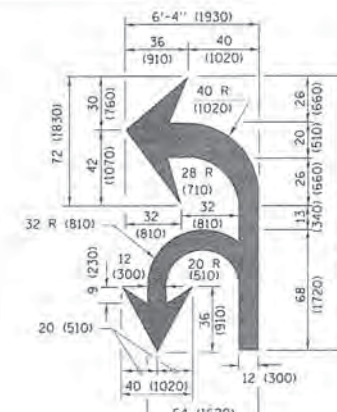


ISLAND OFFSET FROM PAVEMENT EDGE

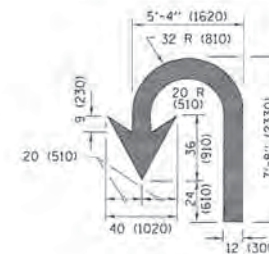


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

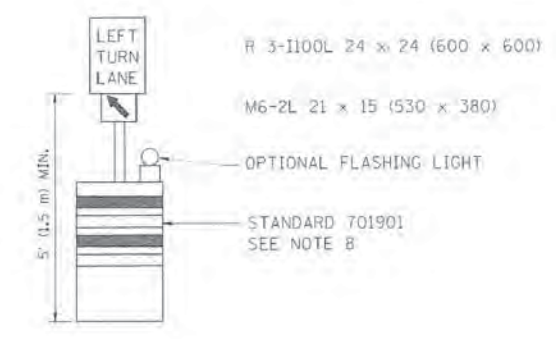
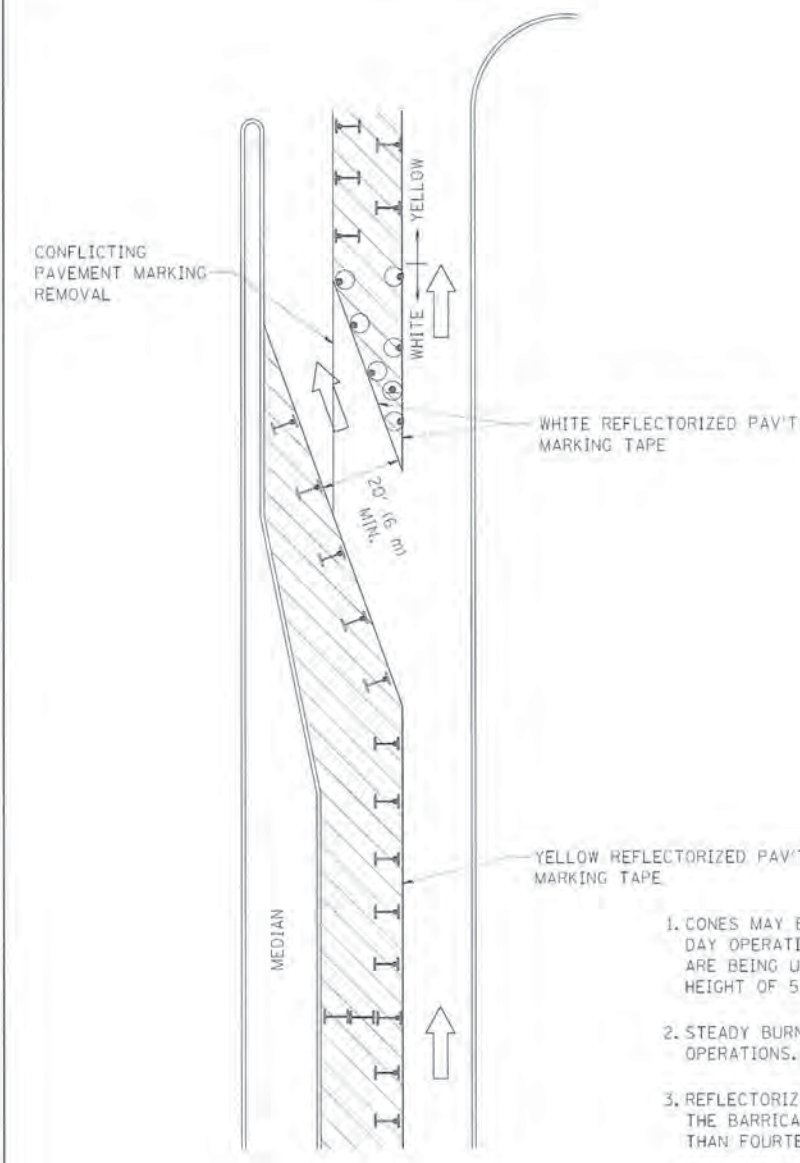
* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

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 ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1,8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8" (2,4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8" (2,4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1,8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1,2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1,2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4,5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6" (1,8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 78000 AREA OF: "R"=3,6 SQ. FT. (0,33 m ²) EACH "X"=54,0 SQ. FT. (5,0 m ²)
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 78000.

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









GENERAL NOTES

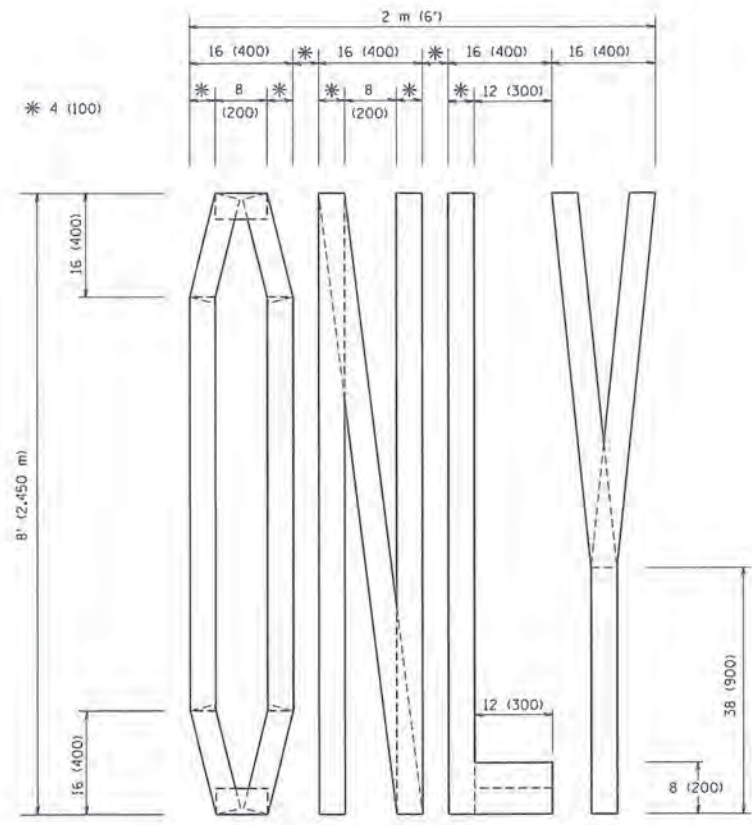
1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES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

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

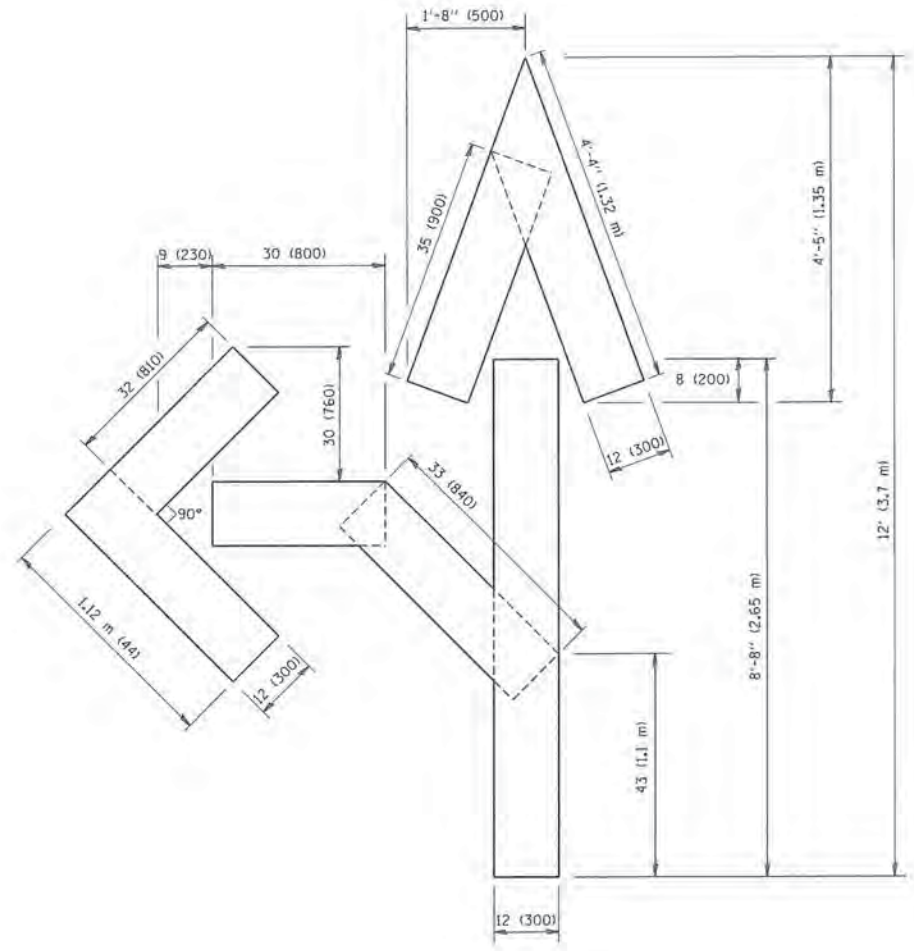
LEGEND

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

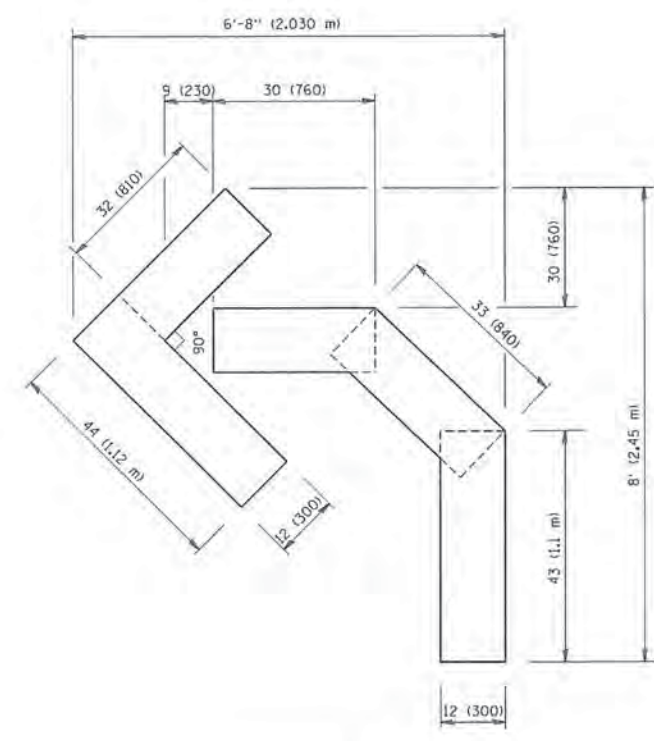
FILE NAME: -	PROJECT NAME: -	REVISED -	TBAHMMACHER 09-08-94	REVISED -	-R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)		F.A. +	SECTION	COUNTY	TOTAL	SHEET	
		REVISED -	BAHOUSEH 11-07-95	REVISED -			SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	SHEETS	SHEET NO.
		REVISED -	MARHOUSEH 10-12-96	REVISED -									393	313
		REVISED -	T1079/2015/ER 01-06-00	REVISED -									CONTRACT NO.	61C32
										FED. ROAD DIST. NO. 1	ILLINOIS/FED. AID PROJECT			



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



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



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

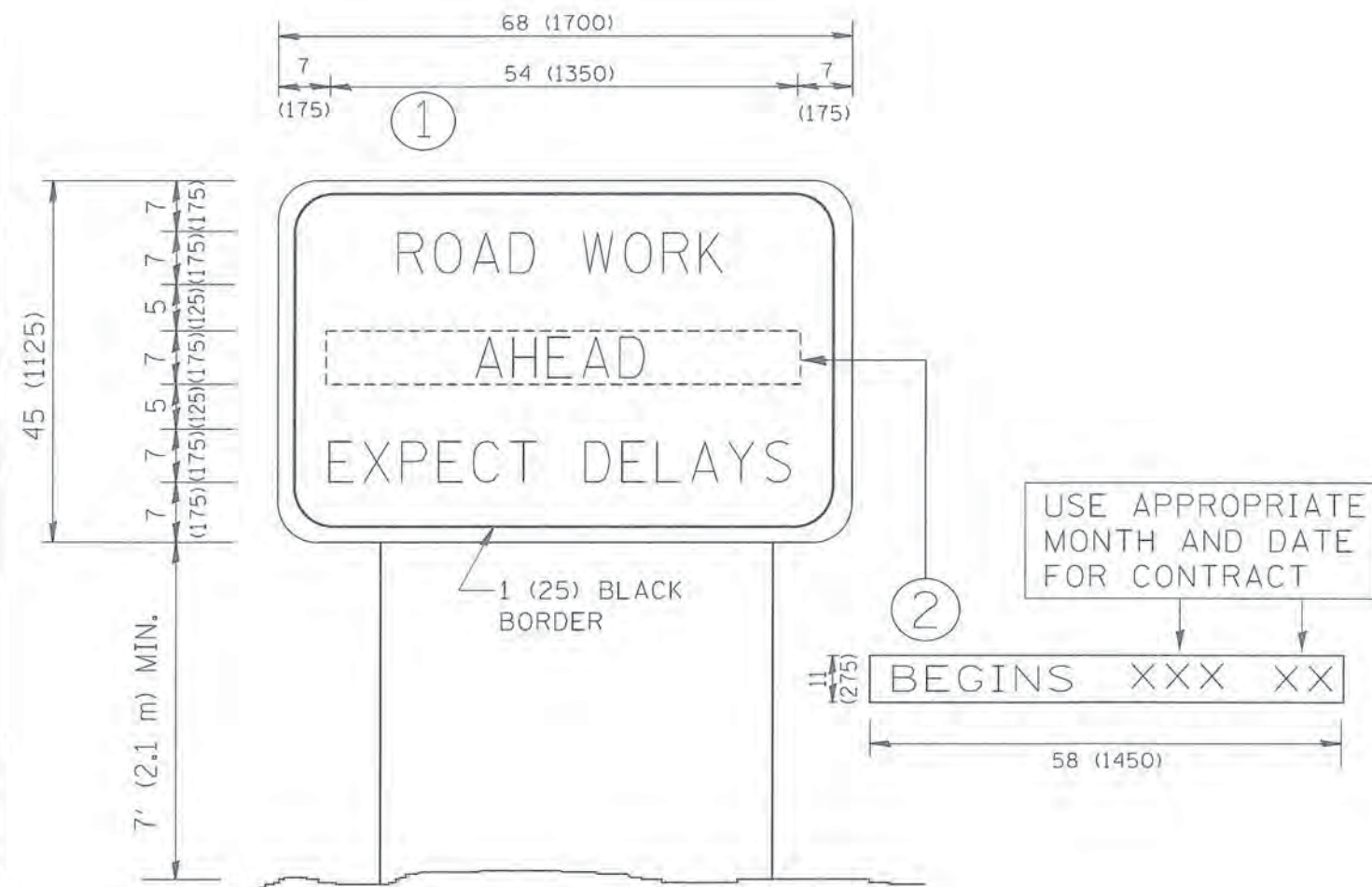
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = w:\diststd\22x34\c16.dgn	USER NAME = goglionekt	DESIGNED - BAH	REVISED -T, RAMMACHER 06-05-96
		DRAWN - BAH	REVISED -T, RAMMACHER 11-04-97
		CHECKED - MAR	REVISED -T, RAMMACHER 03-02-98
		DATE - 10/29/2015	REVISED -E, GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	314
TC-16			CONTRACT NO. G1C32	
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 = goglianob	DESIGNED - BAH	REVISED - -R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - BAH	REVISED - R. MIRS 12-11-97	-			13-00270-00-CH	COOK	393	315	
	PLDT SCALE = 5/8" = 1" IN.	CHECKED - MAR	REVISED - T. RAMMACHER 02-02-99			TC-22			CONTRACT NO. 61C32	
	PLDT DATE = 1/4/2008	DATE - 10/9/2015	REVISED - C. JUCIUS 01-31-07			FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		



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: - gpc/janep4	DESIGNED: BAH	REVISED: -C. JUCIUS 02-15-07
		DRAWN: BAH	REVISED: -
		CHECKED: - MAR	REVISED: -
		DATE: - 10/9/2015	REVISED: -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

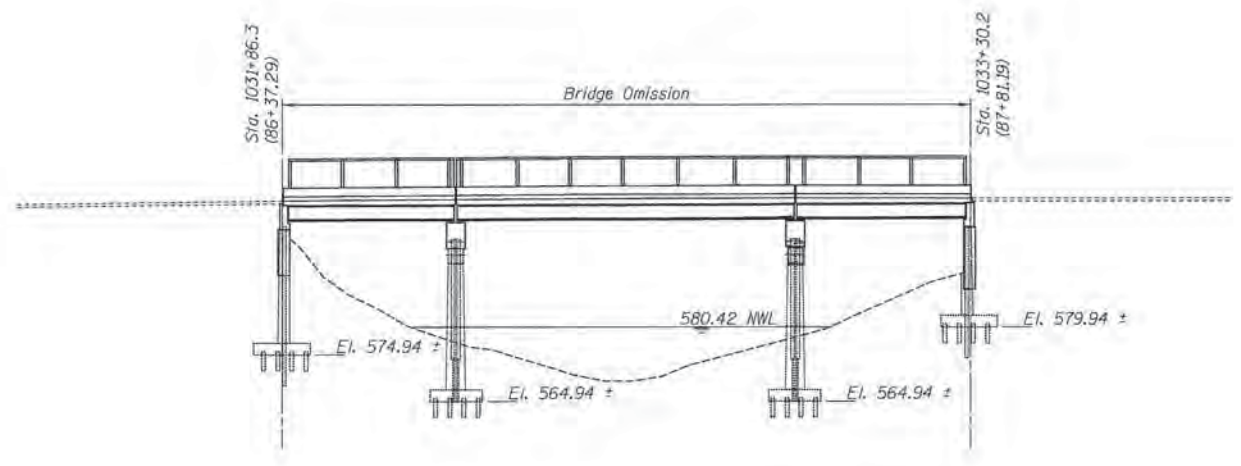
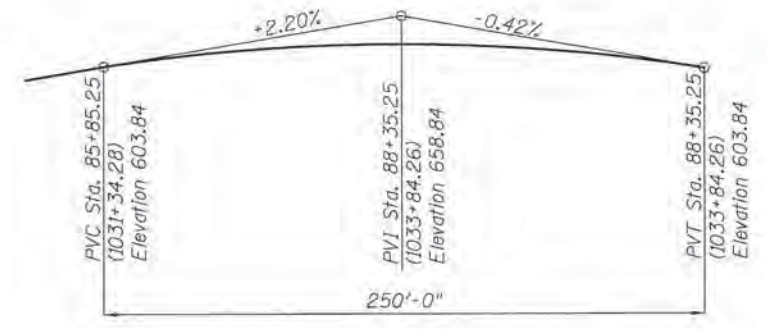
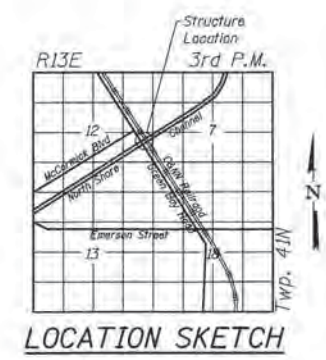
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	316
TC-26			CONTRACT NO. 61C32	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

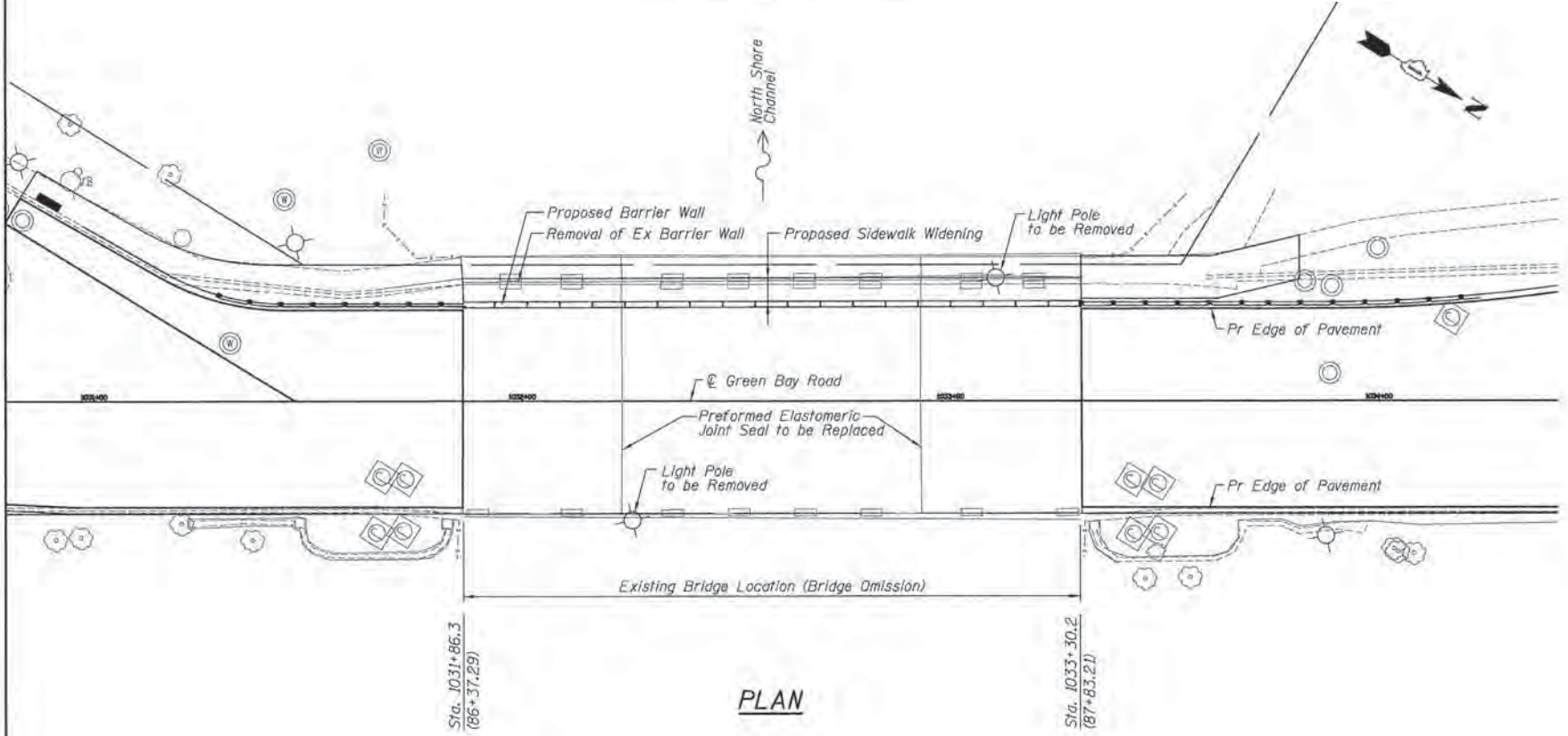
Bench Mark: Arrow on Fire Hydrant on Southeast corner of Grant Street and McCormick Blvd.
Elev. = 599.84

Existing Structure consists of a 3-span riveted plate girder Bridge 2-Span 35'-3" span 70'-0" Roadway 44'-0" carrying Green Bay Road over the North Shore Channel.

Proposed Improvement: Reducing lane configurations, removing existing Barrier wall and moving closer to centerline and increasing sidewalk width.



ELEVATION



PLAN

HIGHWAY CLASSIFICATION

FAU Rte. - Green Bay Road
Functional Class: Minor Arterial (Urban)
AADT: 20500 (2015)
Design Speed: 35 m.p.h.
Posted Speed: 35 m.p.h.
Two-Way Traffic

LOADING HS 20

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

DESIGN SPECIFICATIONS

AASHTO 1983 Standard Specifications for Highway Bridges, 1984 thru 1987 interims.

DESIGN STRESSES

FIELD UNITS

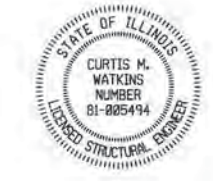
Reinforced Concrete
f'c = 3,500 psi - Superstructure
fy = 14000 psi - Superstructure
fy = 1000 psi with earth pressure

REINFORCEMENT

fy = 60,000 psi

STRUCTURAL STEEL

fy = 50,000 (M223 Grade 50) (Structural Steel)
fy = 36,000 psi (M183) (Structural Steel)



Name _____ Date _____
License Expires _____

GENERAL PLAN & ELEVATION
GREEN BAY ROAD OVER NORTH SHORE CHANNEL
FAU ROUTE 2744
SECTION 13-002700-00-CH
COOK COUNTY
STATION 87+10.25
STRUCTURE NO. 016-0289

NOTE:

The North Shore Channel is a diversionary canal connecting Lake Michigan North, Lake Michigan South and the North Branch of the Chicago River. The drainage area and design discharge are indeterminate. The High water is contained within the Channel. The Highest recorded water elevation at this site is 587.1 ft

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	



USER NAME = bherrsch	DESIGNED - BAH	REVISED -
PL0T SCALE = 20.0000' / in.	DRAWN - BAH	REVISED -
PL0T DATE = 1/7/2016	CHECKED - MAR	REVISED -
	DATE - 10/9/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

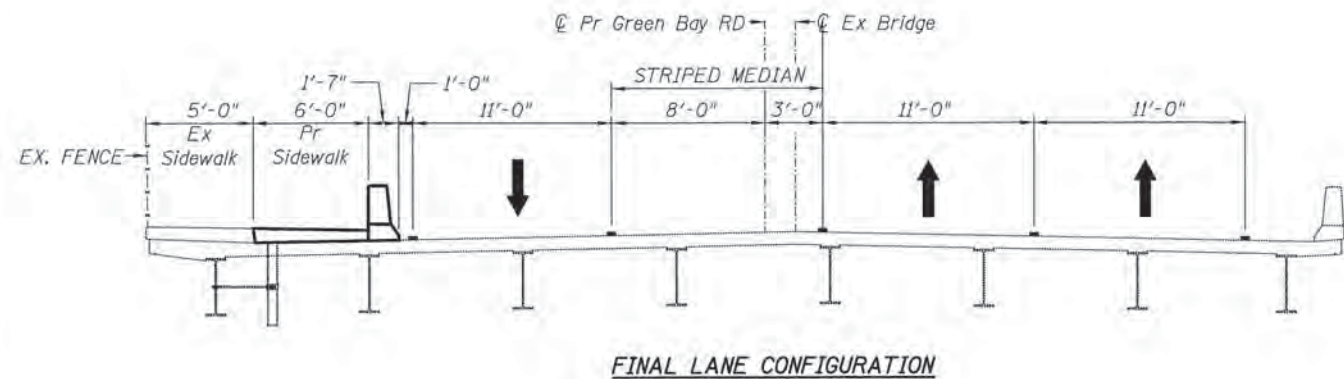
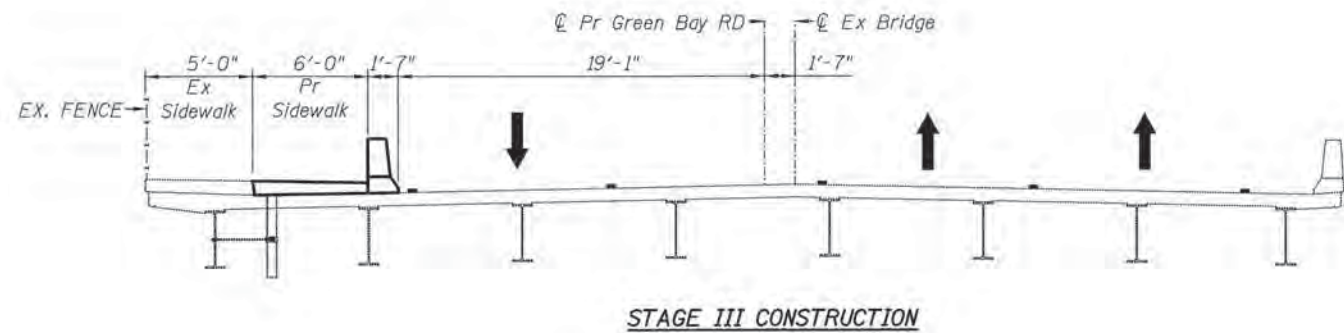
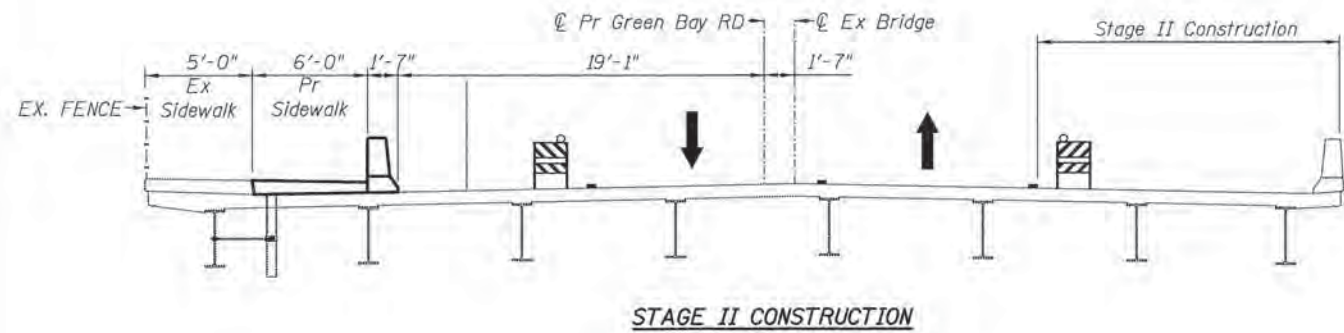
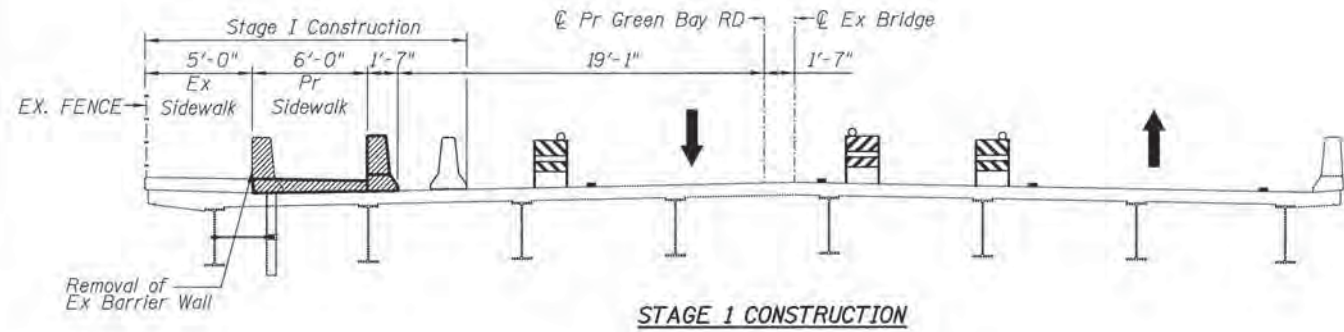
STRUCTURAL PLANS
BRIDGE SN016-0289

SCALE: SHEET 1 OF 16 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-002700-00-CH	COOK	393	317
CONTRACT NO. 61C32				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

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



DATE	
BY	
SURVEYED	
ALIGNED	
CHECKED	
BY	
NOTE BOOK	
NO.	
ADD FILE NAME	

DATE	
BY	
SURVEYED	
ALIGNED	
CHECKED	
BY	
NOTE BOOK	
NO.	
STRUCTURE NOTATION	

FILE NAME: ER0811_ah.vst-02.dgn

ESI CONSULTANTS, LTD.
 1000 N. WILSON AVENUE
 SUITE 200
 DEERFIELD, IL 60015
 TEL: 847.938.8800
 FAX: 847.938.8801
 WWW.ESI-CONSULTANTS.COM

USER NAME = bharish	DESIGNED - BAH	REVISED -
	DRAWN - BAH	REVISED -
PLOT SCALE = 5.0000' / 1"	CHECKED - MAR	REVISED -
PLOT DATE = 1/7/2016	DATE - 10/9/2015	REVISED -

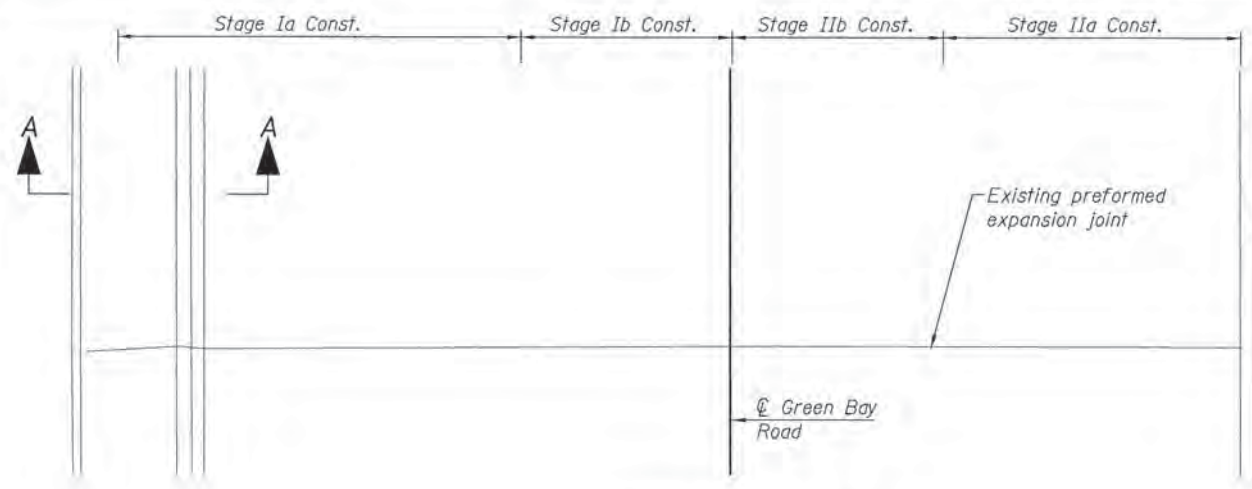
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL PLANS	
BRIDGE SN016-0289	
SCALE: _____	SHEET 2 OF 16 SHEETS STA. _____ TO STA. _____

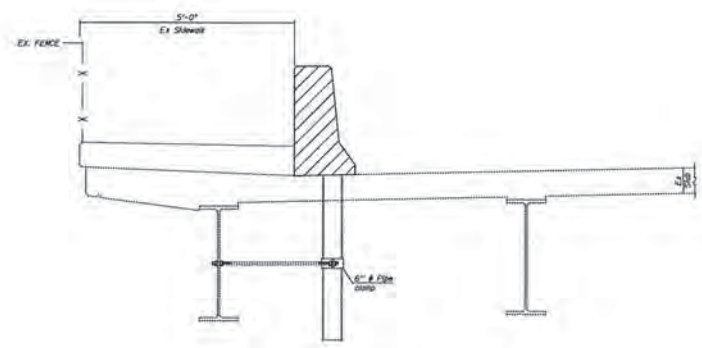
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	318
CONTRACT NO. 61C32			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	CADD FILE NAME	
	NO.	

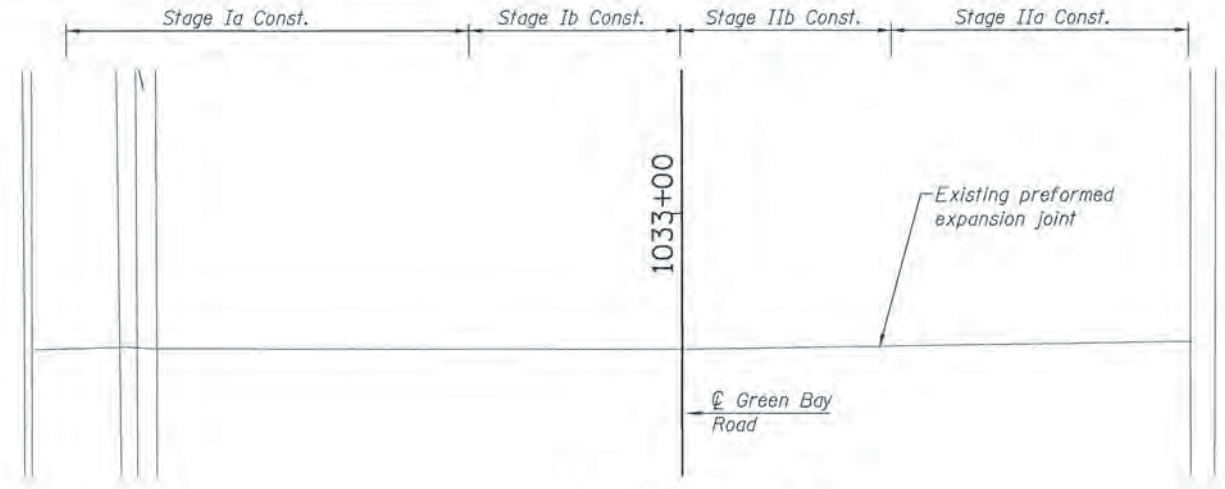
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	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	STRUCTURE NOTATIONS USED	
	NO.	



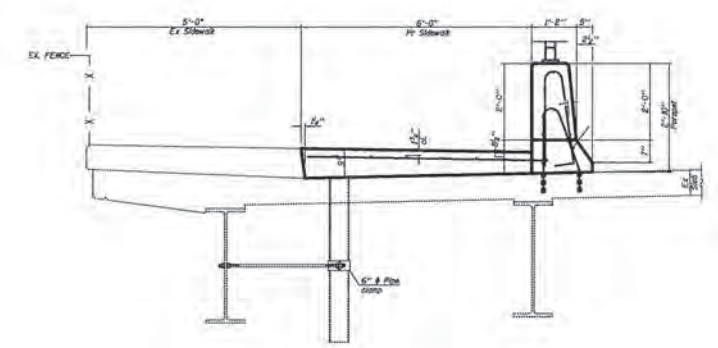
EXISTING PARTIAL PLAN SOUTH



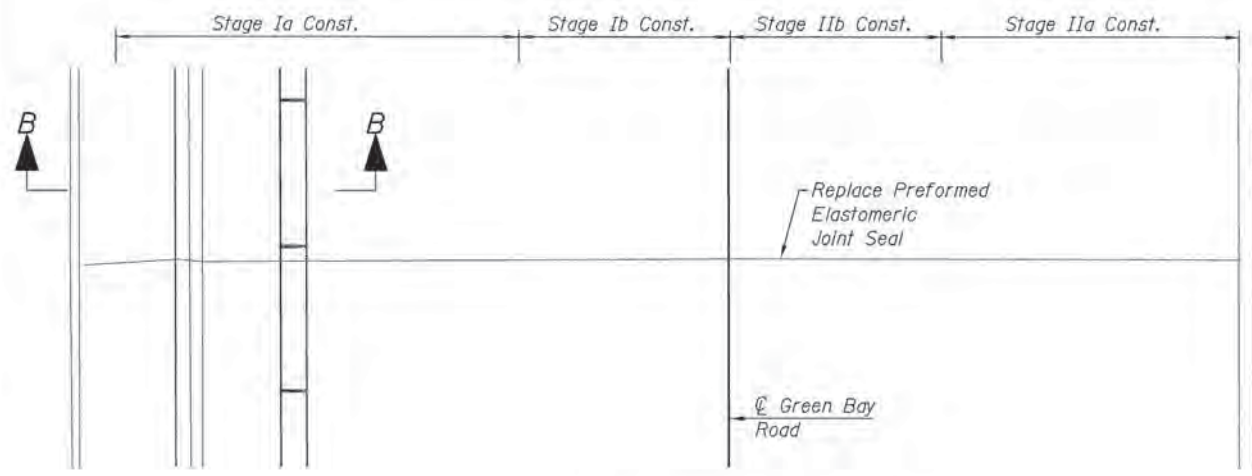
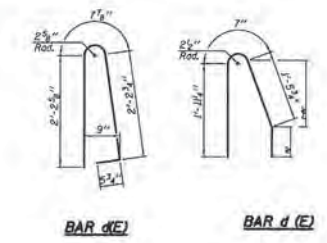
SECTION A-A



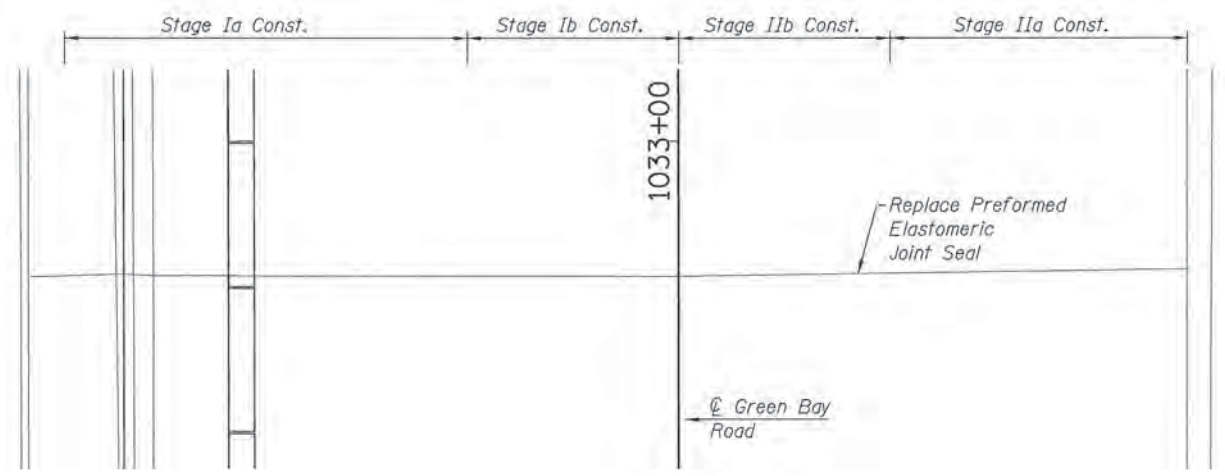
EXISTING PARTIAL PLAN NORTH



SECTION B-B



PROPOSED PARTIAL PLAN SOUTH



PROPOSED PARTIAL PLAN NORTH

BILL OF MATERIAL

Item	Unit	Quantity
-	-	-
-	-	-

FILE NAME: ENG011_sht16v_03.dgn

ESI CONSULTANTS, LTD.
 1200 W. 15th Street, Suite 100
 Chicago, IL 60604
 Tel: 312.467.1000
 Fax: 312.467.1001
 www.esiconsultants.com

USER NAME = Ehanrscha	DESIGNED - BAH	REVISED - -
PLLOT SCALE = 5,00000' / 1"	DRAWN - BAH	REVISED - -
PLLOT DATE = 1/7/2016	CHECKED - MAR	REVISED - -
	DATE - 10/9/2015	REVISED - -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

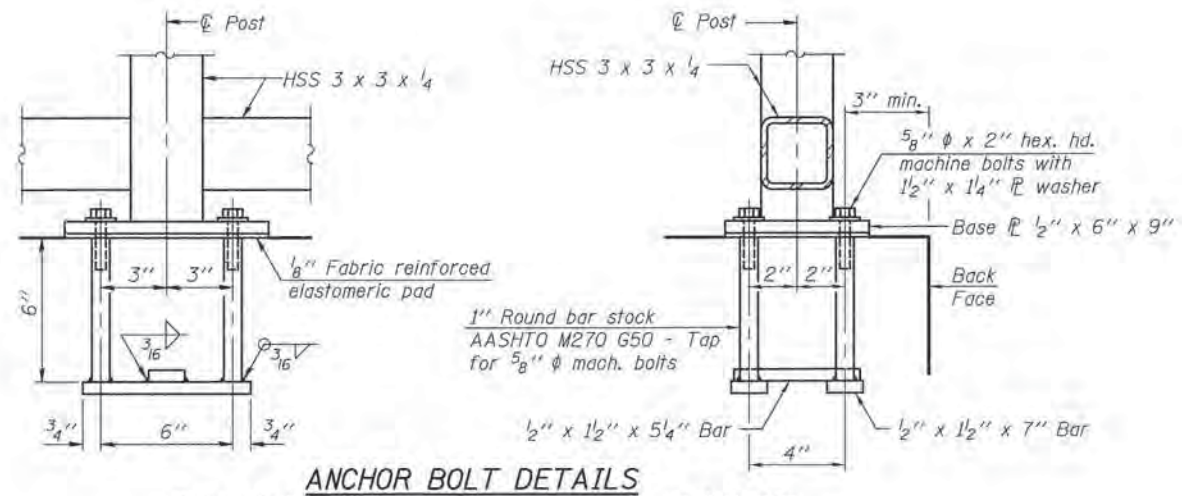
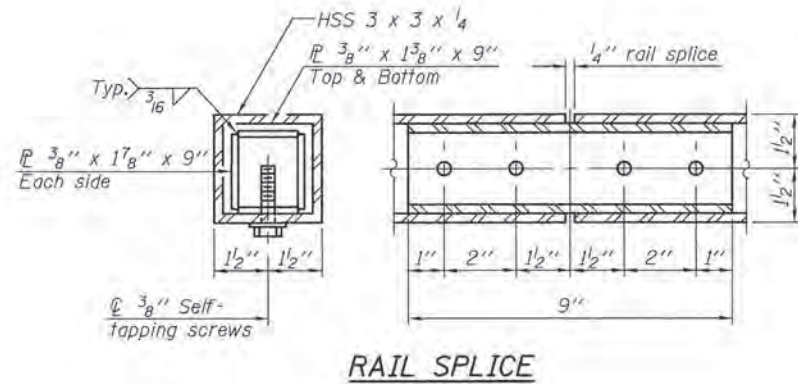
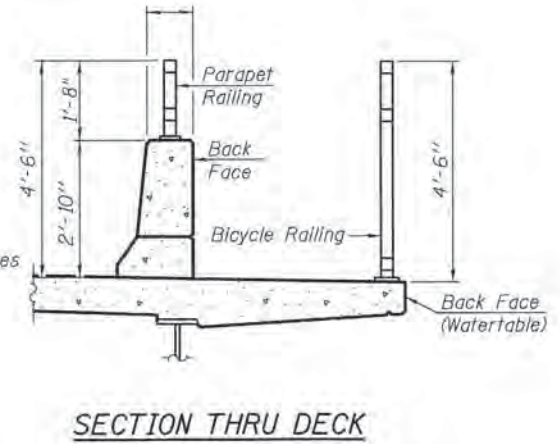
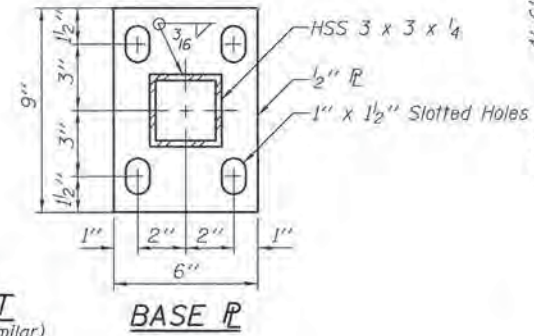
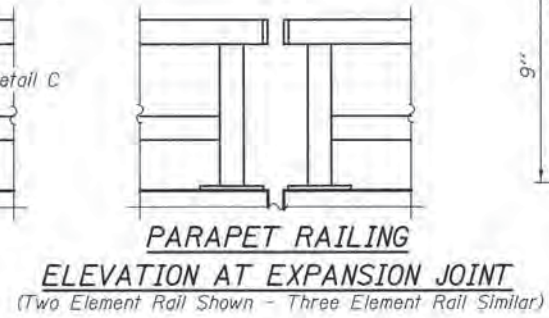
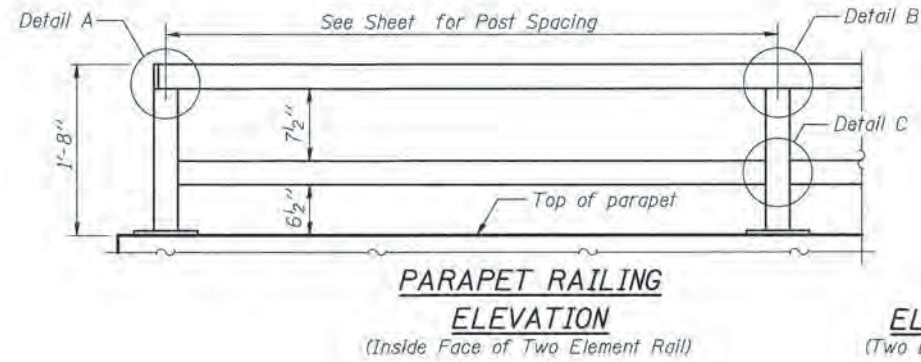
STRUCTURAL PLANS
BRIDGE SN016-0289

SCALE: _____ SHEET 3 OF 16 SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	319
CONTRACT NO. 61C32			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" phi anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	
Parapet Railing	Foot	

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	PRINTED		
	CHECKED		
	DATE		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	PRINTED		
	CHECKED		
	DATE		
	FILE NAME		

NOT USED

FILE NAME: ERGEL-ah1-str-05.dgn



USER NAME = bhenrich	DESIGNED - BAH	REVISED - -
PLOT SCALE = 1:2000 ' / 1/4"	DRAWN - BAH	REVISED -
PLOT DATE = 1/7/2016	CHECKED - MAR	REVISED -
	DATE - 10/9/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

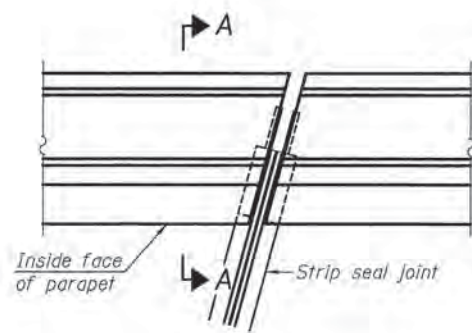
**STRUCTURAL PLANS
BRIDGE SN016-0289**

SCALE: _____ SHEET 4 OF 16 SHEETS STA. _____ TO STA. _____

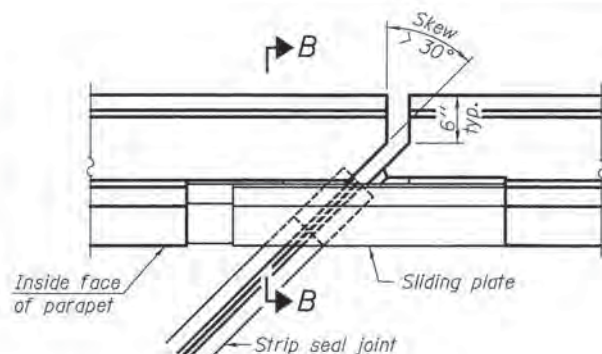
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	321
CONTRACT NO. G1C32				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	

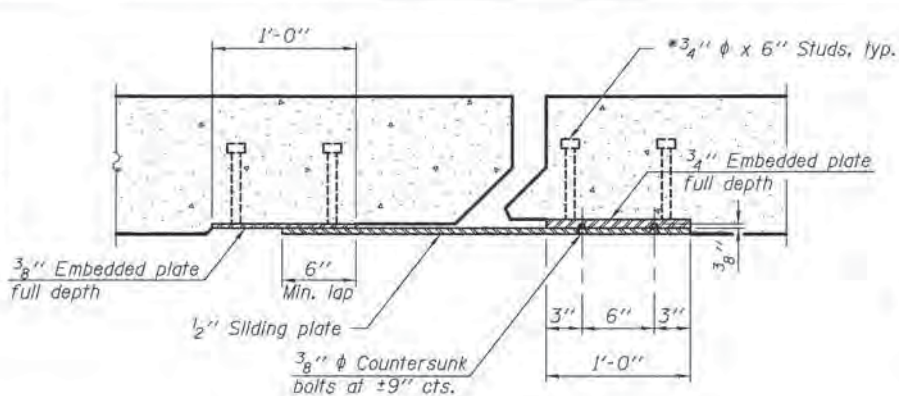
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BY	
REVISIONS	
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DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	



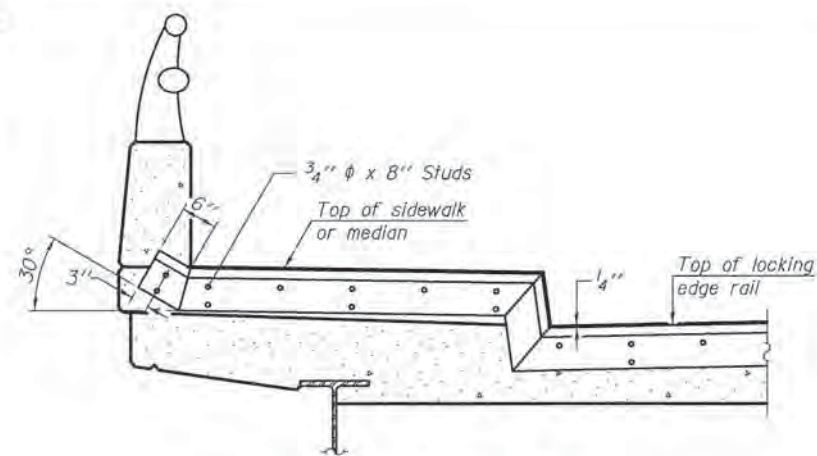
PLAN
(For skews $\leq 30^\circ$)



PLAN
(For skews $> 30^\circ$)
Showing point block

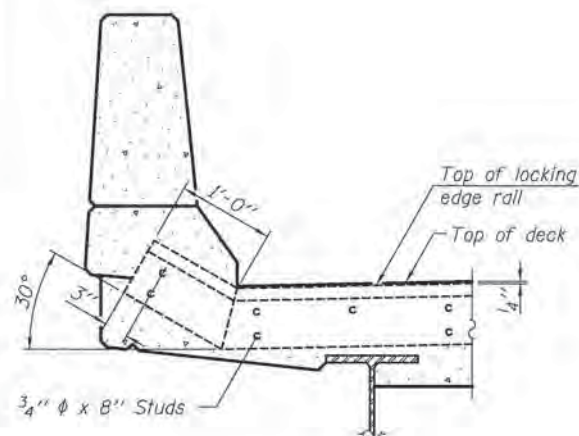


SECTION C-C

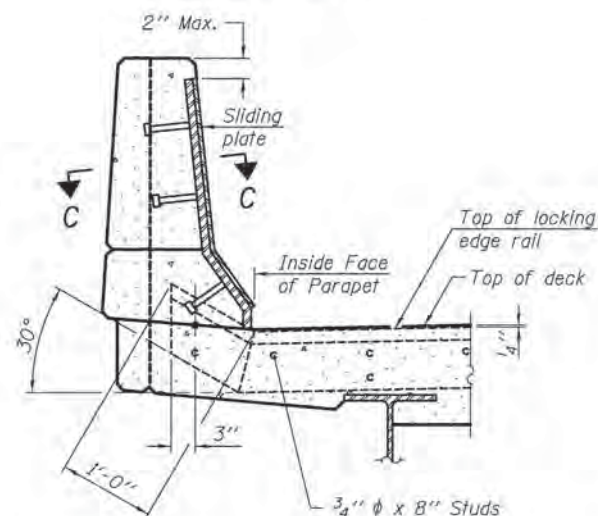


TYPICAL END TREATMENT AT SIDEWALK OR MEDIAN

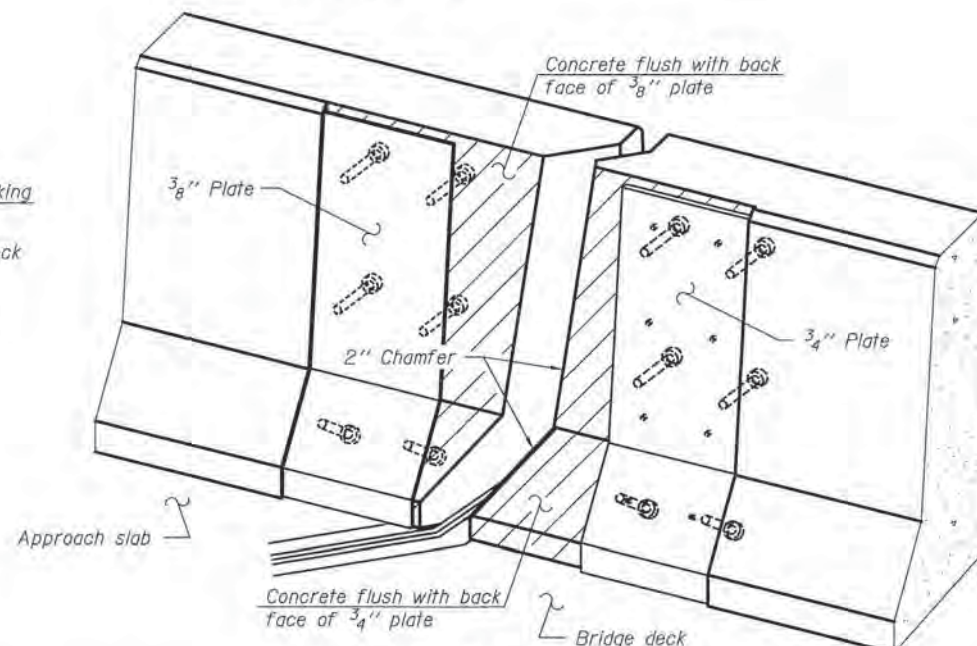
Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.



SECTION A-A



SECTION B-B



TRIMETRIC VIEW
(Showing back plates only)

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.

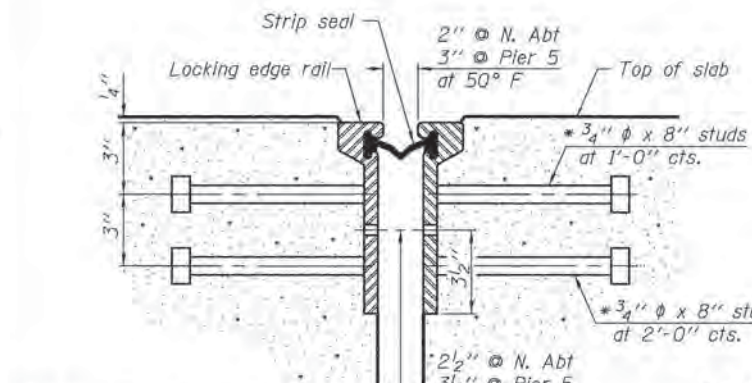
The manufacturer's recommended installation methods shall be followed.

The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

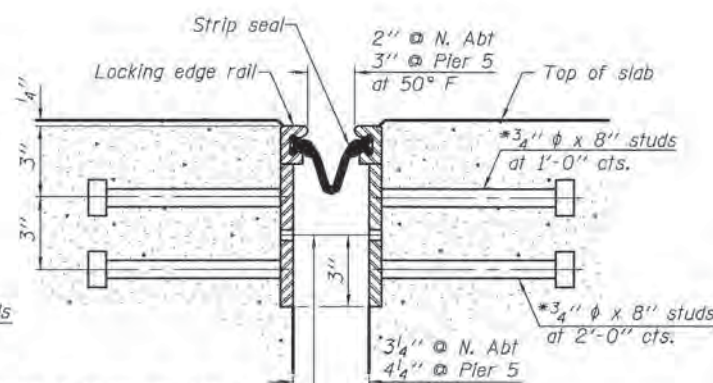
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

Maximum space between rail segments shall be 3/16", sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.

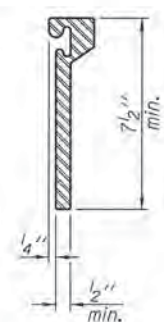
Parapet plates and anchorage studs for skews $> 30^\circ$ included in the cost of Preformed Joint Strip Seal.



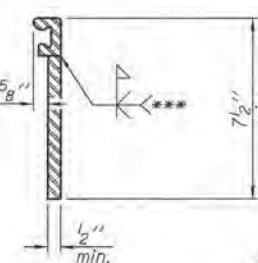
SECTION THRU ROLLED RAIL JOINT



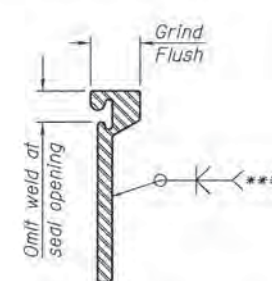
SECTION THRU WELDED RAIL JOINT



ROLLED EXTRUDED RAIL



WELDED RAIL



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

*** Back gouge not required if complete joint penetration is verified by mock-up.

LOCKING EDGE RAILS

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	119

EJ-SSJ

1-27-12

* Granular or solid Flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



USER NAME	= bhavrschs
DESIGNED	- BAH
DRAWN	- BAH
CHECKED	- MAR
DATE	- 10/9/2015
PLOT SCALE	= 1/8" = 1'-0"
PLOT DATE	= 1/7/2016

REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL PLANS
BRIDGE UPRR OVER RIDGE AVENUE AND EMERSON STREET

SCALE: SHEET 5 OF 16 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	322
			CONTRACT NO. G1C32	
ILLINOIS FED. AID PROJECT				

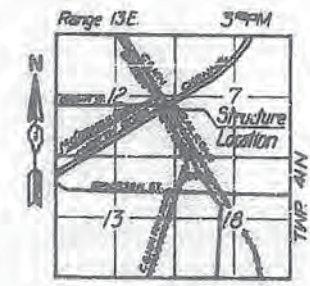
Bench-Mark: Arrow on Fire Hydrant on South-East corner of Grant street and McCormick Boulevard. El. 599.84

Existing Structure consists of a 3-Span, riveted Plate Girder Bridge: 2 Spans 35'-3" and 1 Span 70'-0", Roadway 44'-0", carrying Green Bay Road over the North Shore Channel.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Proposed Improvement: Remove and replace existing Bridge deck and Superstructure in Stages on a widened substructure. No Salvage.

ROUTE NO.	SECTION	CL.	TOTAL CRTS.	SHEET NO.	SHEET NO. /
4	13E	39PM	85	18	of SHEETS 18



DESIGN CRITERIA
DESIGN SPECIFICATIONS:
A.A.S.H.T.O. 1983 Standard Specifications for Highway Bridges, 1984 thru 1987 Interims.

DESIGN CRITERIA:
Live Load: HS 20-44
Allow 25 p.s.f. for future wearing surface.

DESIGN STRESSES:
Reinforced Concrete
f'c = 3500 psi - Superstructure
f'c = 1400 psi - Substructure
f'c = 1000 psi with earth pressure

REINFORCEMENT:
Fy = 60,000 psi

STRUCTURAL STEEL:
Fy = 50,000 (M 223 Grade 50) (Structural Steel)
Fy = 36,000 psi (M 183) (Structural Steel)

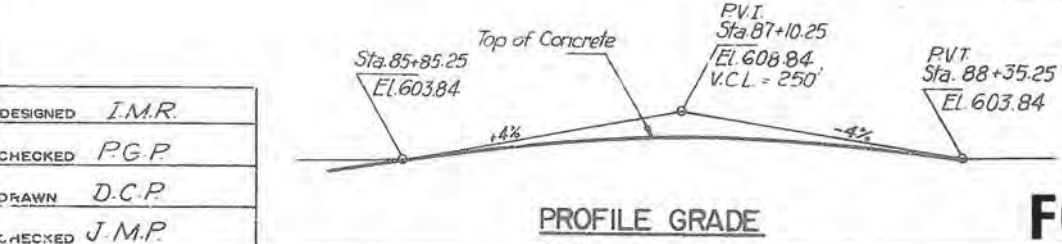
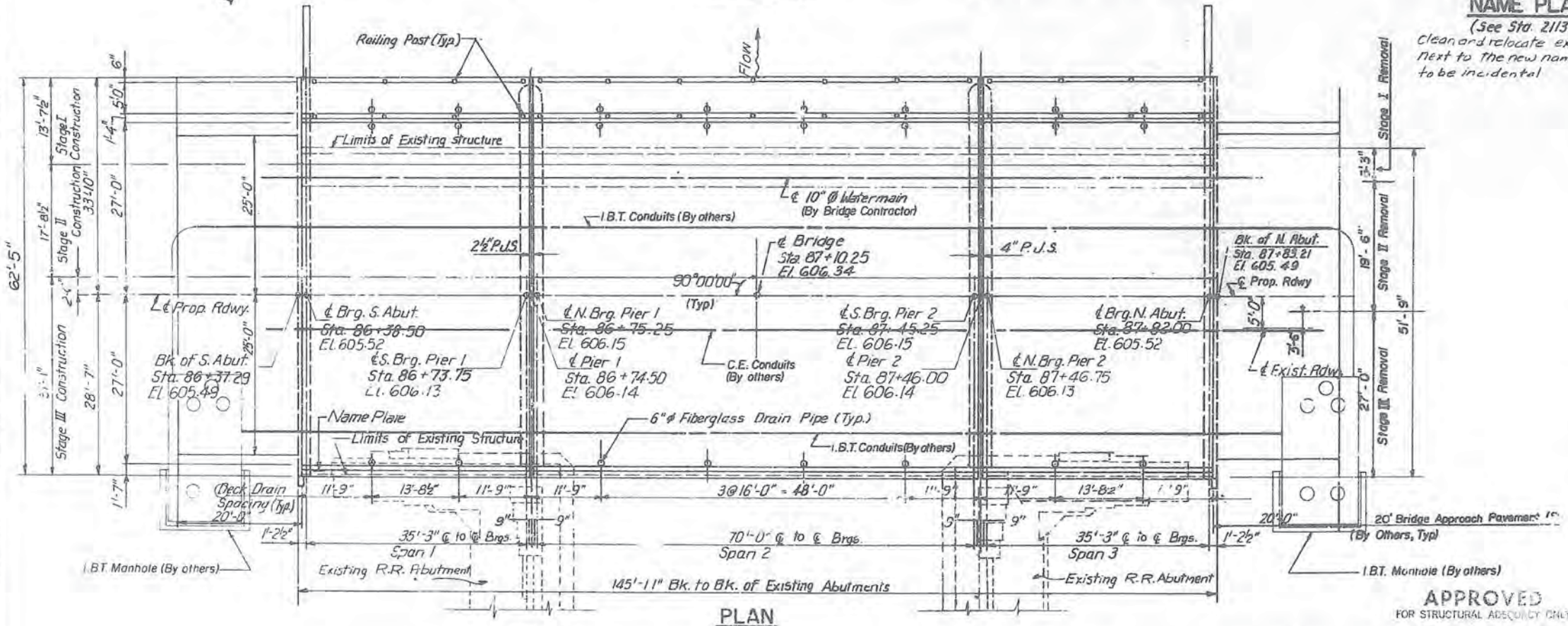
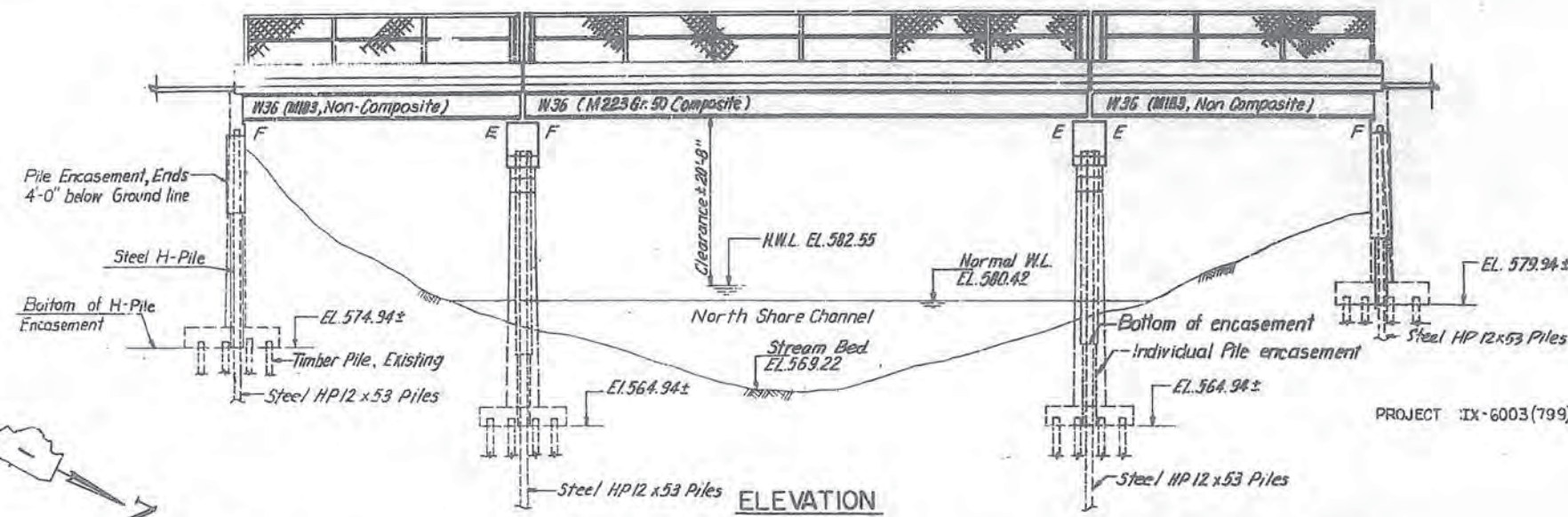
NORTH SHORE CHANNEL
REBUILT 198... BY
STATE OF ILLINOIS
F.A. RT. 2744 SEC. 4141B-R-1(85)
LOADING HS20
STR. NO. 016-0289

NAME PLATE
(See Sta. 2113)
Clean and relocate existing name plate next to the new name plate. Cost is to be incidental.

TOTAL BILL OF MATERIAL

ITEMS	UNIT	SUPER	SUB	TOTAL
Removal of Existing Superstructures	Each	1	-	1
Concrete Removal	Cu. Yd.	-	62.2	62.2
Expansion Bolts, 1/2 Inch Ø	Each	-	608	608
Structure Excavation	Cu. Yd.	-	208	208
Floor Drains	Each	24	-	24
Preformed Joint Seal 3/4"	Lin. Ft.	-	-	-
Preformed Joint Seal 4"	Lin. Ft.	63	-	63
Class X Concrete Superstructures	Cu. Yd.	281	-	281
Protective Coat	Sq. Yd.	1100	-	1100
Elastomeric Bearing Assembly Type I	Each	24	-	24
Class X Concrete	Cu. Yd.	-	137	137
Furnishing And Erecting Structural Steel	L. Sum	1	-	1
Stud Shear Connectors	Each	1704	-	1704
Reinforcement Bars	Pound	-	11,370	11,370
Reinforcement Bars, Epoxy Coated	Pound	54,465	-	54,465
Steel Piles HP 12 x 53	Lin. Ft.	-	519	519
Pedestrian Railing	Lin. Ft.	145	-	145
Class X Concrete Encasement	Cu. Yd.	-	97	97
Name Plates	Each	1	-	1
Parapet Railing	Lin. Ft.	145	-	145
Pedestrian Railing (Temporary)	Lin. Ft.	290	-	290
Watermain Attached to Structure	Lin. Ft.	147	-	147
Repair of Existing Structures	Sq. Ft.	-	500	500
Epoxy	Lin. Ft.	-	231	231
Paint	Sq. Yd.	720	-	720

NOTE: For General Notes see Sheet No. 2 of 18



FOR INFORMATION ONLY

Note:
"The North Shore Channel is a diversionary canal connecting Lake Michigan North, Lake Michigan South and the North branch of the Chicago River. The drainage area and design discharge are indeterminate. The high water is contained within the channel. The highest recorded water elevation at this site is 587.1 ft."

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
James J. Rayburn
Engineer of Bridges & Structures



P.G. ENGINEERING ASSOCIATES, INC.
800 WEST JACKSON BLVD.
CHICAGO ILLINOIS, 60605

GENERAL PLAN & ELEVATION
GREEN BAY ROAD
OVER NORTH SHORE CHANNEL
FAU RT. 2744 SECTION 4041B & 4141B-R-1(86)
COOK COUNTY
STA 87+10.25
SN 016-0289

REVISIONS	
NAME	DATE

DESIGNED	I.M.R.
CHECKED	P.G.P.
DRAWN	D.C.P.
CHECKED	J.M.P.

USER NAME = bhmrzsch
DESIGNED - BAH
DRAWN - BAH
CHECKED - MAR
DATE - 10/9/2015

REVISIONS -
REVISIONS -
REVISIONS -
REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

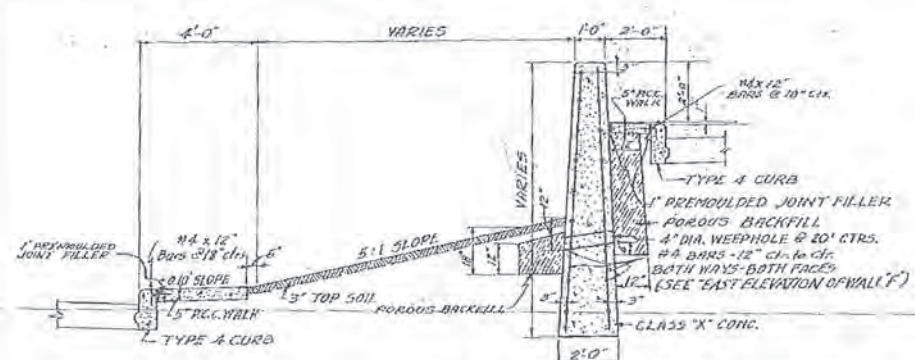
STRUCTURAL PLANS
BRIDGE UPRR OVER RIDGE AVENUE AND EMERSON STREET
SCALE: _____ SHEET 6 OF 16 SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4	13-00270-00-CH	COOK	393	323
CONTRACT NO. G1C32			ILLINOIS FED. AID PROJECT	

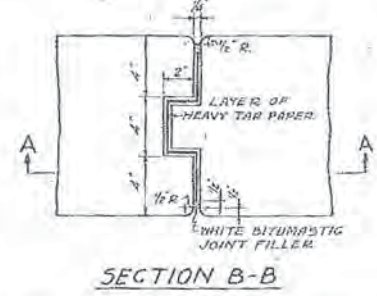
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DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	

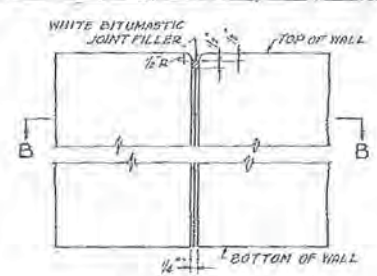
DATE	
BY	
PROFILE	
NO.	
DATE	
BY	
STRUCTURE	
NO.	



TYPICAL SECTION A-A
SCALE: 1"=3'



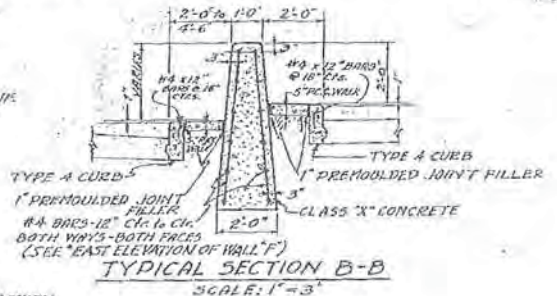
SECTION B-B



SECTION A-A
DETAILS OF
EXPANSION JOINT
SCALE: 2"=1'-0"

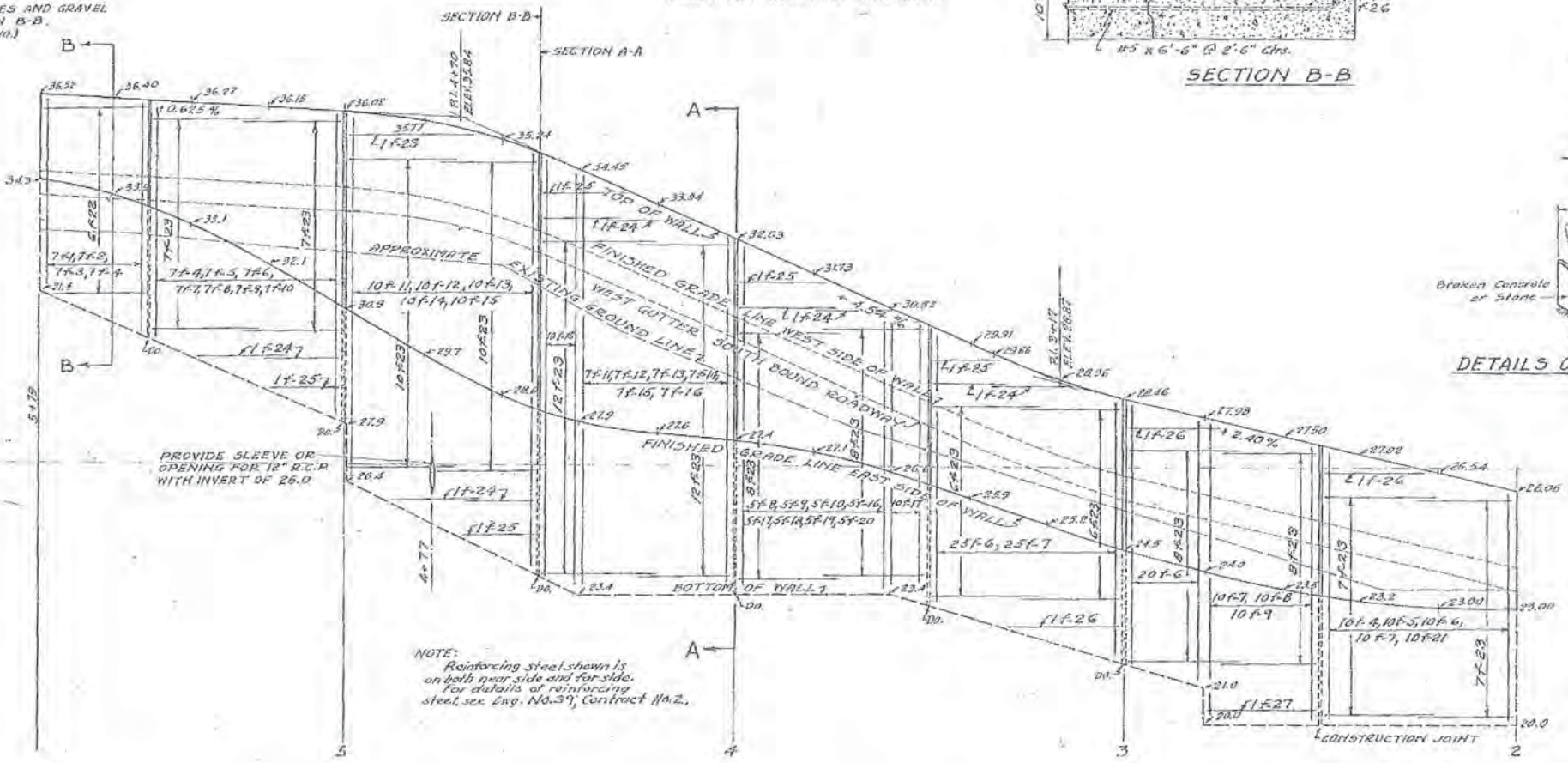
NOTE
THE COST OF FURNISHING AND
INSTALLING THE WEEPHOLES AND
THE CONSTRUCTION JOINTS SHALL BE
INCLUDED IN THE CONTRACT UNIT
PRICE FOR CLASS "X" CONCRETE.

NOTE: PAVEMENT AND CURB REINFC.
NOT SHOWN

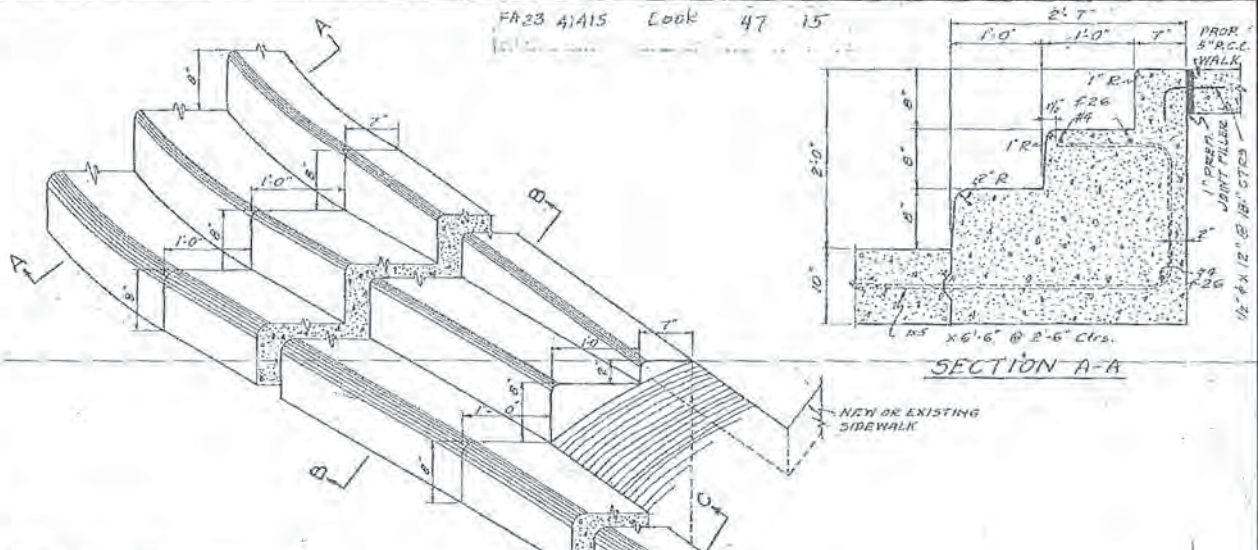


TYPICAL SECTION B-B
SCALE: 1"=3'

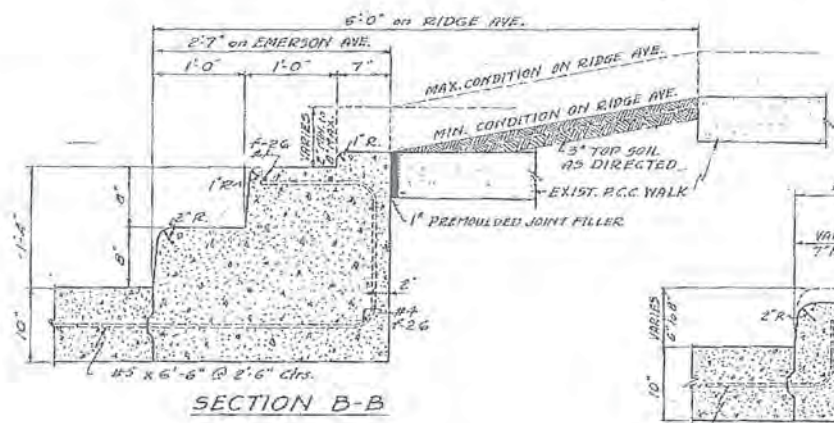
LOCATION OF WEEPHOLES AND GRAVEL
BACKFILL FOR SECTION B-B.
(Other details not shown)



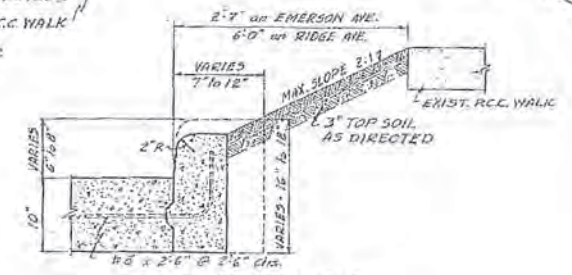
EAST ELEVATION OF WALL "F"
STATIONS REFER TO 1/2 OF SOUTHBOUND ROADWAY - GREENBAY RD. - RIDGE AVE.
SCALE: HOR. 1"=20' VERT. 1"=2'



SECTION A-A

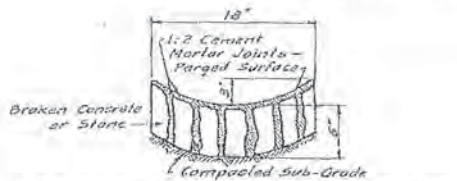


SECTION B-B

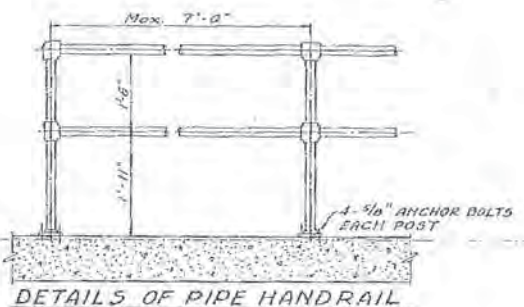


SECTION C-C

DETAILS OF STEPPED CURB
SCALE: 1"=1'-0"



DETAILS OF MASONRY GUTTER
Scale: 1/4"=1'



DETAILS OF PIPE HANDRAIL
1 1/2" Standard Pipe for Rails
1 1/2" Extra Strong Pipe for Posts
Fittings: Malleable Iron Castings

NOTE:-
Type "O" joint adjacent to
curb "NOT REQUIRED."

FOR INFORMATION ONLY

EVANSTON GRADE SEPARATION			
WALL "F" AND STEPPED CURB DETAILS			
DRAWN BY K.S.	H.W. LOCHNER & CO. CONSULTING ENGINEERS	DRWG. NO. 15	CONTRACT NO. 2
TRACED BY J.S.			
CHECKED BY L.C. (P.D.)	SCALE As Noted	DATE June 17, 1918	TOTAL SHEETS 393
150 N. WACKER DRIVE CHICAGO, ILLINOIS.		COUNTY COOK	SHEET NO. 324
CONTRACT NO. GIC32		ILLINOIS FED. AID PROJECT	

ESI CONSULTANTS, LTD.
ESCONSULTANTS.COM

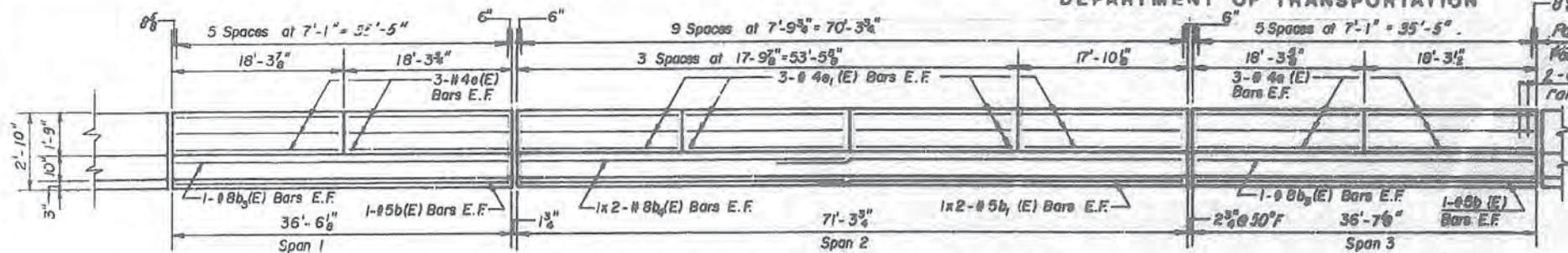
USER NAME	ehanesche
DESIGNED	BAH
DRAWN	BAH
CHECKED	MAR
DATE	10/9/2015

REVISED	-
REVISED	-
REVISED	-
REVISED	-

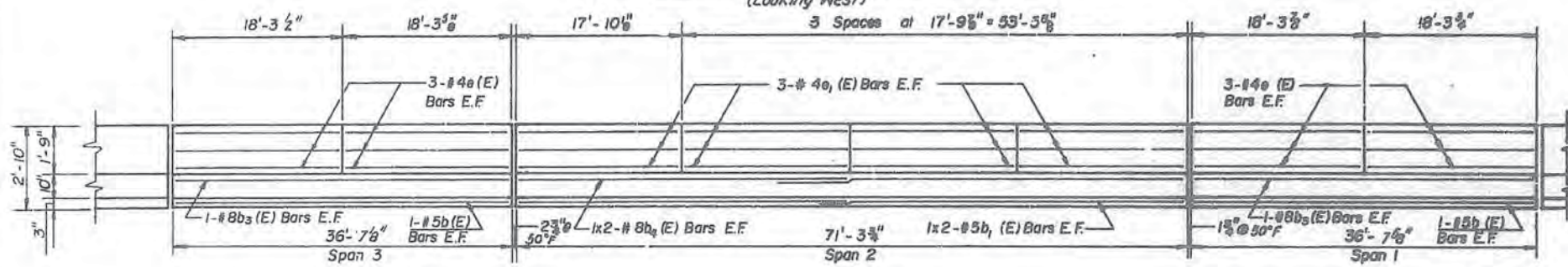
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL PLANS	
BRIDGE UPRR OVER RIDGE AVENUE AND EMERSON STREET	
SCALE:	SHEET 7 OF 16 SHEETS STA. TO STA.

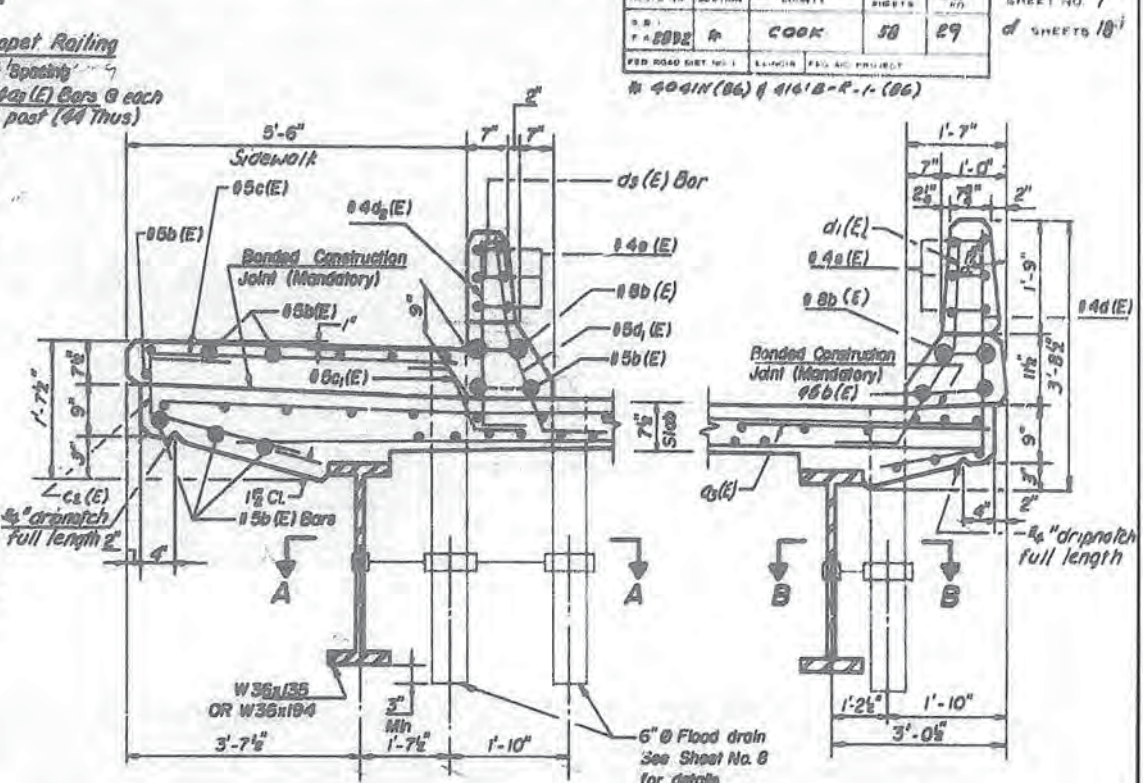
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	324
CONTRACT NO. GIC32				



INSIDE ELEVATION OF WEST PARAPET
(Looking West)



INSIDE ELEVATION OF EAST PARAPET
(Looking East)



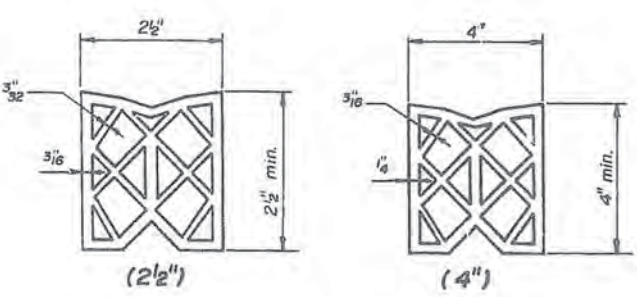
DETAIL A
For Section A-A See Sheet No. 8

DETAIL B
For Section B-B See Sheet No. 8

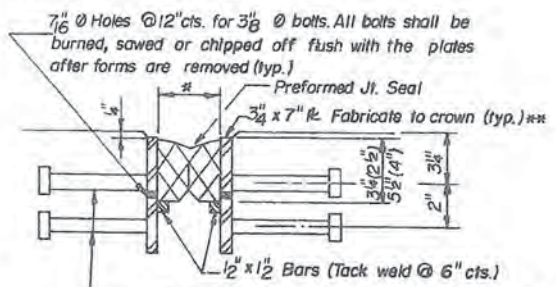
MIN. BAR LAP

#5	1'-5"
#8	2'-5"

Notes:
Bars indicated thus 1x2 - indicates one line of bars with 2 length per line etc.

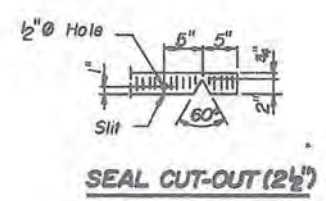


PREFORMED JOINT SEAL

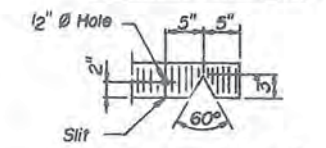


DETAIL C
EXPANSION JOINT DETAILS

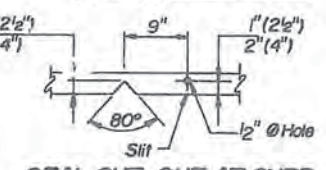
NOTE: After Fabrication, all surfaces of the steel plates shall be given one shop coat of paint specified for str. steel.



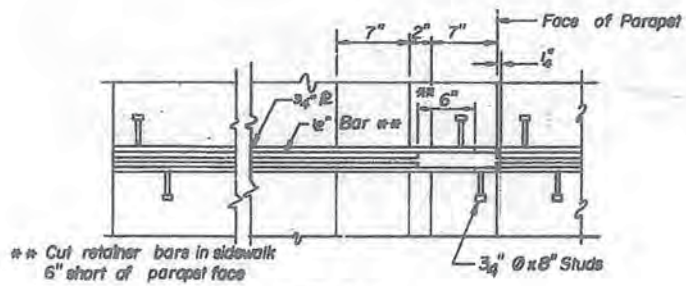
SEAL CUT-OUT (2 1/2")



SEAL CUT-OUT (4")

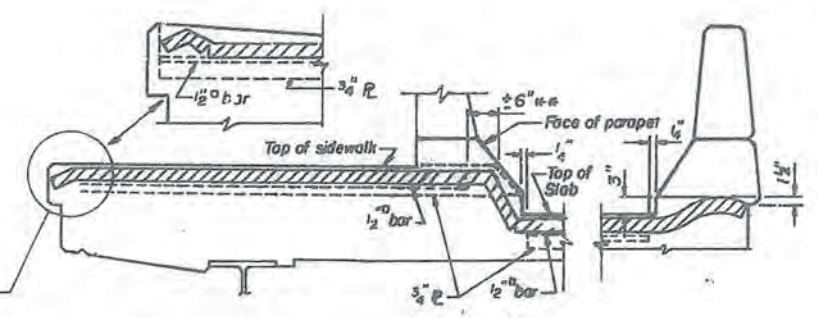


SEAL CUT-OUT AT CURB

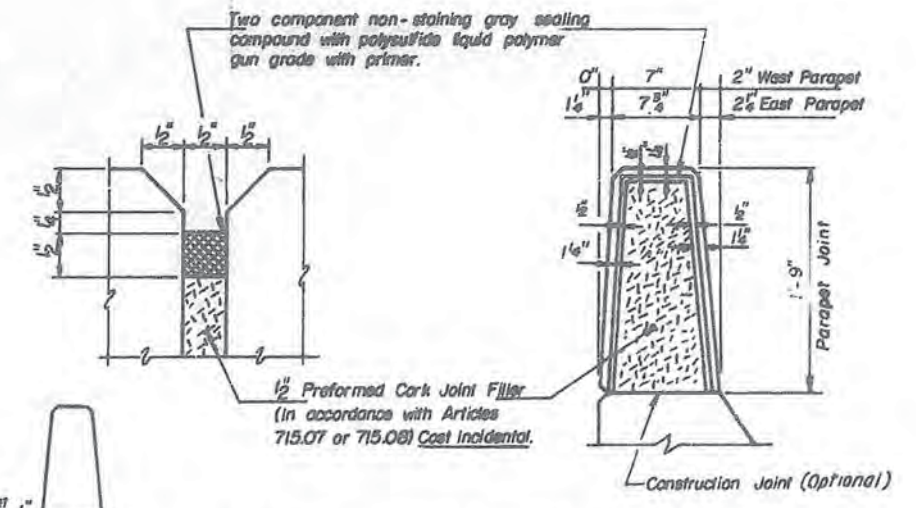


PLAN

** Cut retainer bars in sidewalk 6" short of parapet face



SEAL TREATMENT AT SIDEWALK



PARAPET JOINT DETAILS

DATE: _____
BY: _____
SURVEYED: _____
ALIGNED: _____
CHECKED: _____
NOTE BOOK: _____
RT. OF WAY: _____
NO. _____

DATE: _____
BY: _____
SURVEYED: _____
ALIGNED: _____
CHECKED: _____
NOTE BOOK: _____
RT. OF WAY: _____
NO. _____

DESIGNED	J.M.R.
CHECKED	P.G.P.
DRAWN	D.C.P.
CHECKED	J.M.P.

ESI CONSULTANTS, LTD.
USER NAME = bhanrscha
PLOT SCALE = 1:8000 1" = 80'
PLOT DATE = 1/7/2016

DESIGNED	BAH	REVISED	-
DRAWN	BAH	REVISED	-
CHECKED	MAR	REVISED	-
DATE	10/9/2015	REVISED	-

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL PLANS
BRIDGE UPRR OVER RIDGE AVENUE AND EMERSON STREET

SCALE: _____ SHEET 8 OF 16 SHEETS STA. _____ TO STA. _____

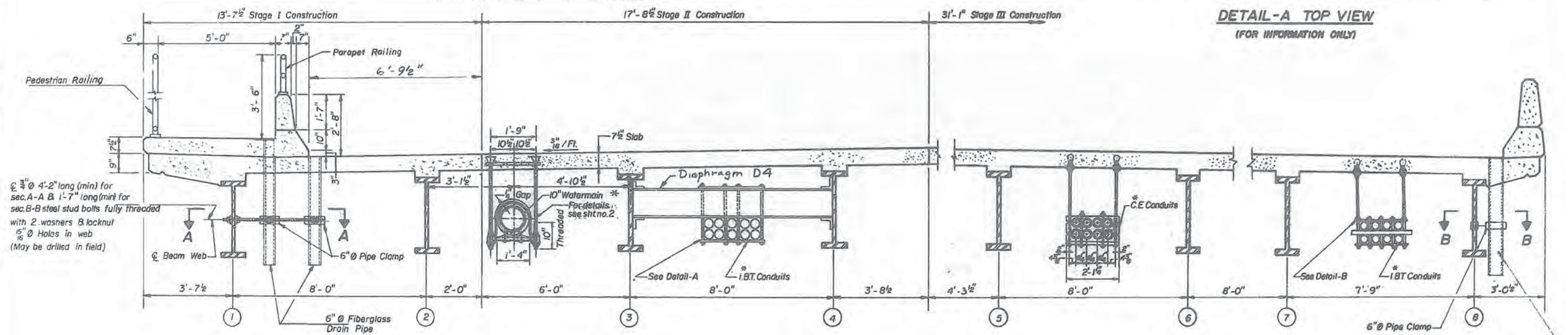
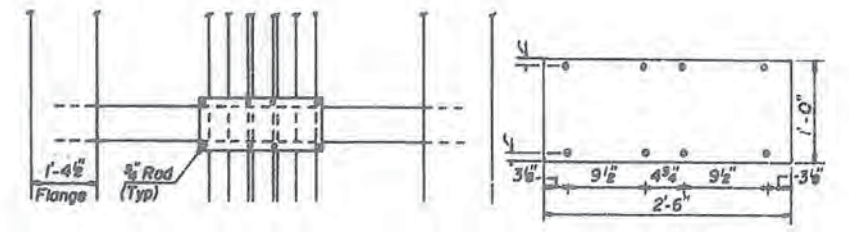
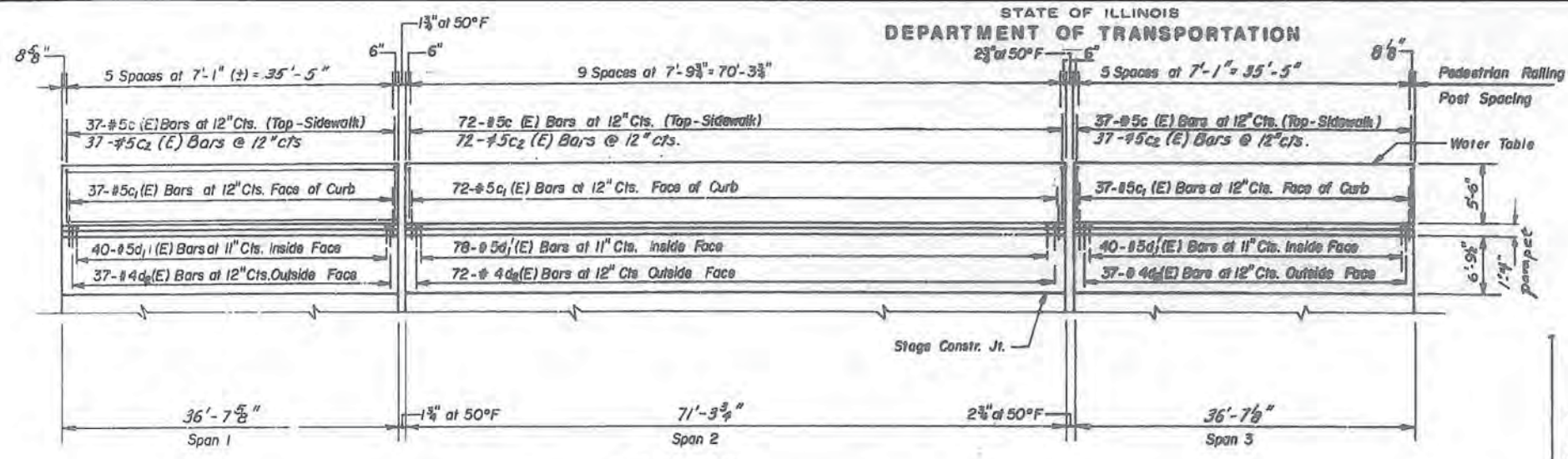
P.G. ENGINEERING ASSOCIATES, INC.
800 WEST JACKSON BLVD.
CHICAGO ILLINOIS, 60606

DECK AND PARAPET DETAILS
GREEN BAY ROAD
OVER NORTH SHORE CHANNEL
FAUR: 2744 SECTION 40411&4112-R-1(86)
COOK COUNTY
STA. 87+10.25

REVISIONS	
NAME	DATE

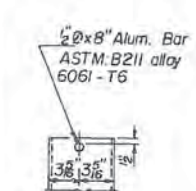
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	325
SCALE VERT HORIZ				
DATE				
CONTRACT NO. G1C32				
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. OF SHEETS
200	4	COOK	50	30	16
FED. ROAD DIST. NO. 1					
ILLINOIS FED. AID PROJECT					
A 4001H(06) / 01118-R-1(06)					

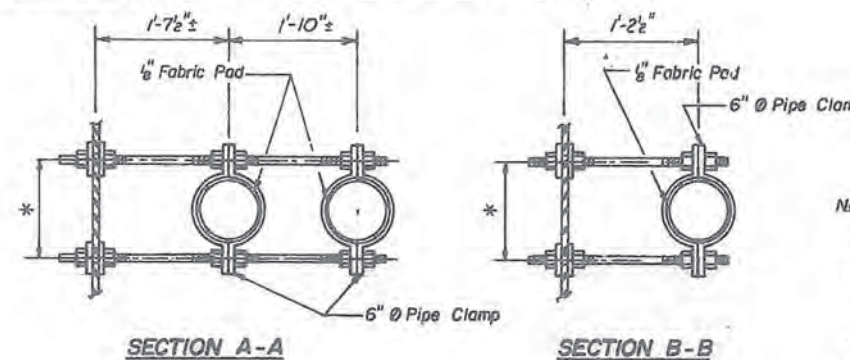
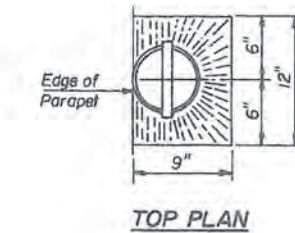


Ø 3/8" @ 4'-2" long (min) for sec. A-A & 1'-7" long (min) for sec. B-B steel stud bolts fully threaded with 2 washers & locknut 1/2" Ø Holes in web (May be drilled in field)

CROSS-SECTION SHOWING DECK DRAINS AND UTILITIES



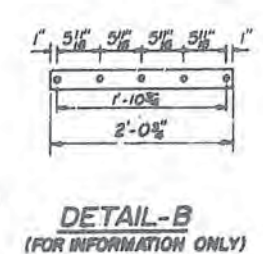
FIBERGLASS PIPE



* Dimension as required by Pipe Clamp

* Water Flow in the Watermain shall be maintained at all times during construction. Illinois Bell and Commonwealth Edison company shall provide temporary supports for their facilities as required. Conduits and hanger assembly to be provided and installed by respective utility company. The bridge Contractor shall provide all necessary inserts for the hanger assemblies and for their locations he shall work with respective utility company.

Notes:
Fiberglass pipe shall conform to ASTM: D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum
The exterior surfaces of the Floor Drain shall be painted with the vinyl enamel coat painting specified for Structural Steel. The exterior surfaces of the Aluminum tube shall be cleaned and given a washcoat pretreatment in accordance with Steel Structures Painting Council's Spec. SSPC-SPI & SSPC-Paint 27 prior to painting. The surface of the fiberglass pipe shall be free of bond inhibiting agents.



DESIGNED	J.M.R.
CHECKED	P.G.P.
DRAWN	D.C.P.
CHECKED	J.M.P.

REVISIONS	
NAME	DATE

P.G. ENGINEERING ASSOCIATES, INC.
800 WEST JACKSON BLVD.
CHICAGO ILLINOIS, 60600

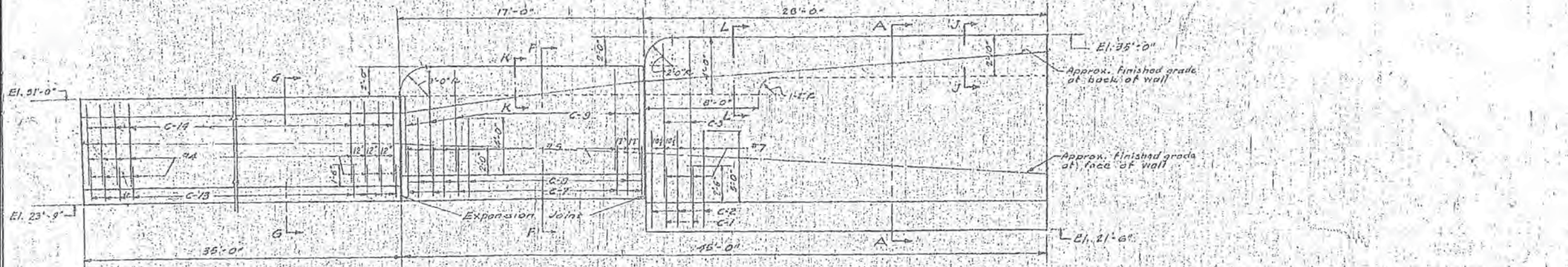
MISCELLANEOUS DECK DETAILS
GREEN BAY ROAD
OVER NORTH SHORE CHANNEL
FAUR. 2744 SECTION 404/INS 4418-R-1(06)
COOK COUNTY
STA. 87+10.25

SCALE: VERT. _____ HORIZ. _____

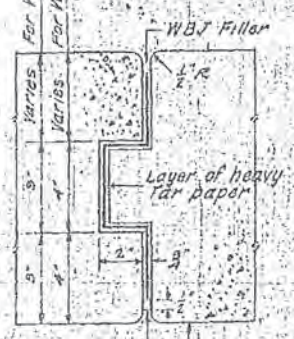
FOR INFORMATION ONLY

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	REVISIONS
	NO. OF WAY CHECKED
	DATE FILE NAME

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	REVISIONS
	NO. OF WAY CHECKED
	DATE FILE NAME

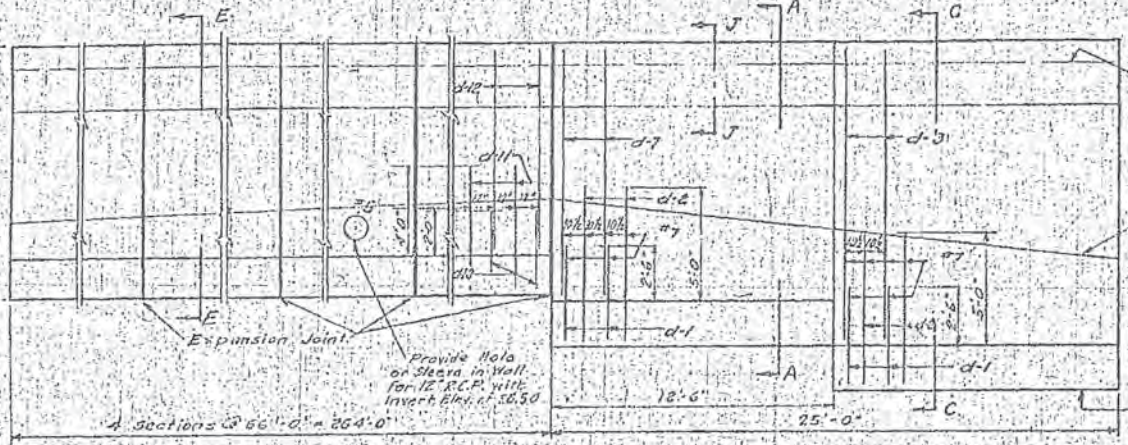


ELEVATION WALL C (Looking West)
(Steel shown is on near side)
Scale: 1/4" = 1'-0"

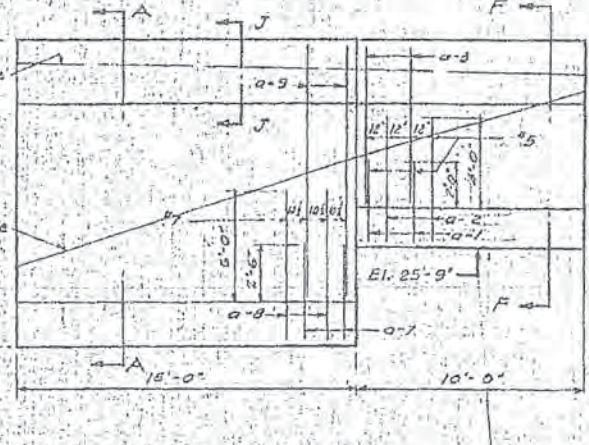


DETAIL OF EXPANSION JOINT

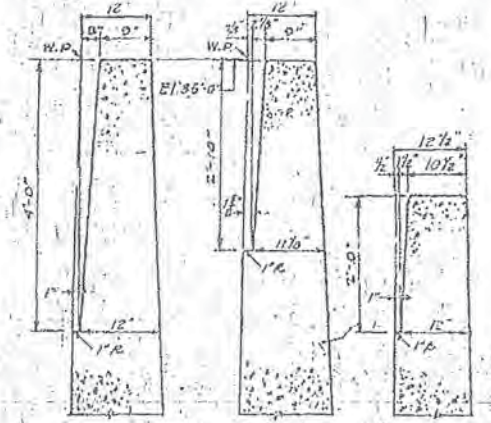
The cost of furnishing and installing Expansion Joints shall be included in the Contract Unit Price for Class "X" Concrete.



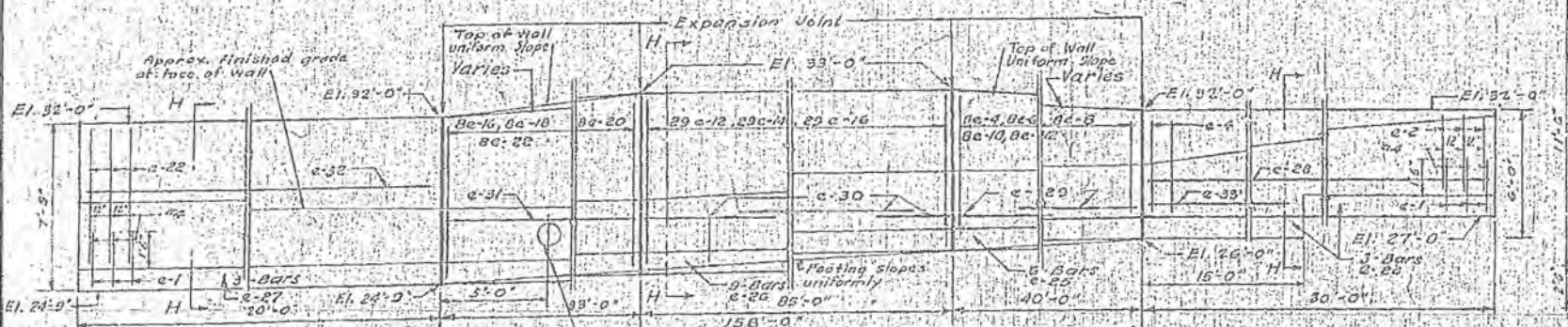
ELEVATION WALL D (Looking West)
(Steel shown is on far side)
Scale: 1/4" = 1'-0"



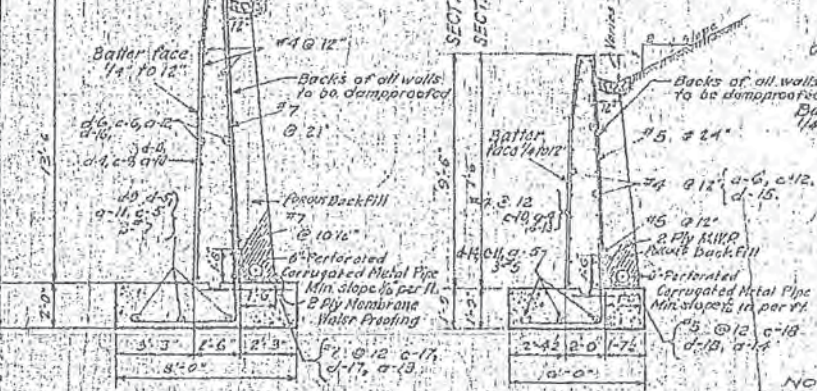
ELEVATION WALL A (Looking West)
(Steel shown is on far side)
Scale: 1/4" = 1'-0"



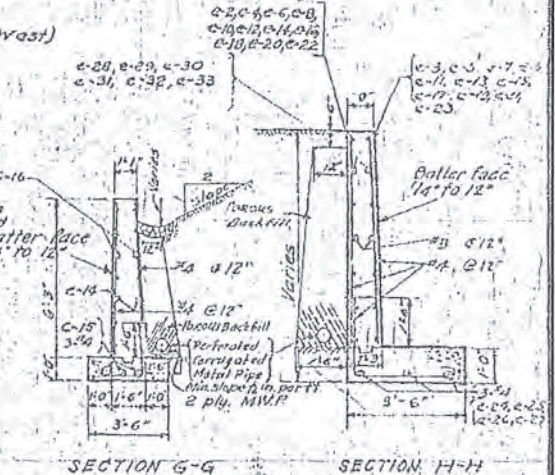
SECT. L-L SECT. J-J SECT. K-K
Scale: 1/4" = 1'-0"



ELEVATION WALL E (Looking South)
(Steel shown is on near side)
Scale: 1/4" = 1'-0"



SECTION A-A & C-C



SECTION G-G SECTION H-H
Scale: 1/4" = 1'-0"

Note:
1. 2 Ply Membrane Water proofing to conform to AREA Specifications in effect 1948
2. No separate payment will be made to contractor for Membrane Water proofing on retaining walls but compensation therefor shall be included in the contract price per cubic yard for Class "X" Conc.

Note:
For details of reinforcing steel see Drawg. #37 For location of P.C.M.P. drainage outlets see Drawgs. #4 and 5, Contract #2 and Drawg. #9, Contract #1

NOTE: All Walls and Footings shall be Class "X" Concrete. C.T. Div. Bridge (314)

EVANSTON GRADE SEPARATION
RETAINING WALLS A, C, D & E
DETAILS

DRAWN BY	H.W. LOCHNER & CO.	DRWG. NO.	14
TRAGED BY	M.S.	CONTRACT	NO. 2
CHECKED BY	J.S.	DATE	June 1954
SCALE	As Noted		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00270-00-CH	COOK	393	327
				CONTRACT NO. 61C32
				ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY

278-21-511-2 of 6

ESI CONSULTANTS, LTD.
1111 N. WACKER DRIVE, CHICAGO, ILLINOIS 60606
Tel. 312-467-1000

USER NAME	= bhenrschs	DESIGNED	- BAH	REVISED	-
PLLOT SCALE	= 1/8" = 1'-0"	DRAWN	- BAH	REVISED	-
PLLOT DATE	= 1/7/2016	CHECKED	- MAR	REVISED	-
		DATE	= 10/9/2015	REVISED	-

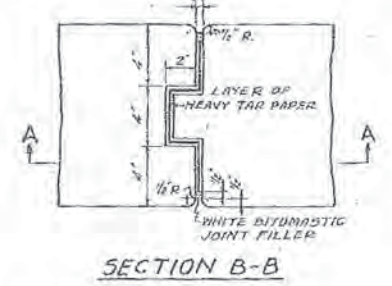
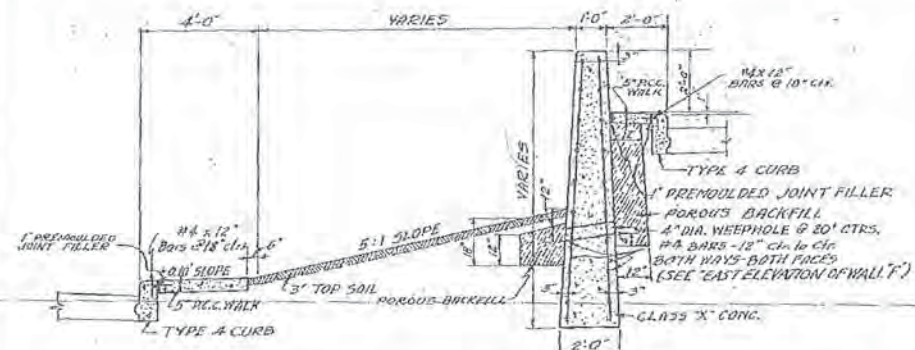
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL PLANS
BRIDGE UPRR OVER RIDGE AVENUE AND EMERSON STREET
SCALE: SHEET 10 OF 16 SHEETS STA. TO STA.

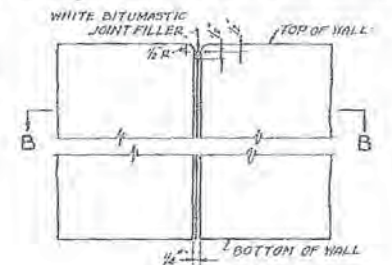
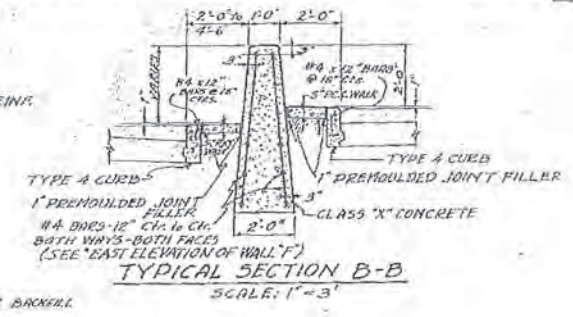
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00270-00-CH	COOK	393	327
				CONTRACT NO. 61C32
				ILLINOIS FED. AID PROJECT

DATE
BY
CHECKED
ALIGNED
PLOTTED
NOTE BOOK
NO.
DATE
BY
CHECKED
STRUCTURE
NOTATION CHD

DATE
BY
CHECKED
GRADES
NOTATION CHD



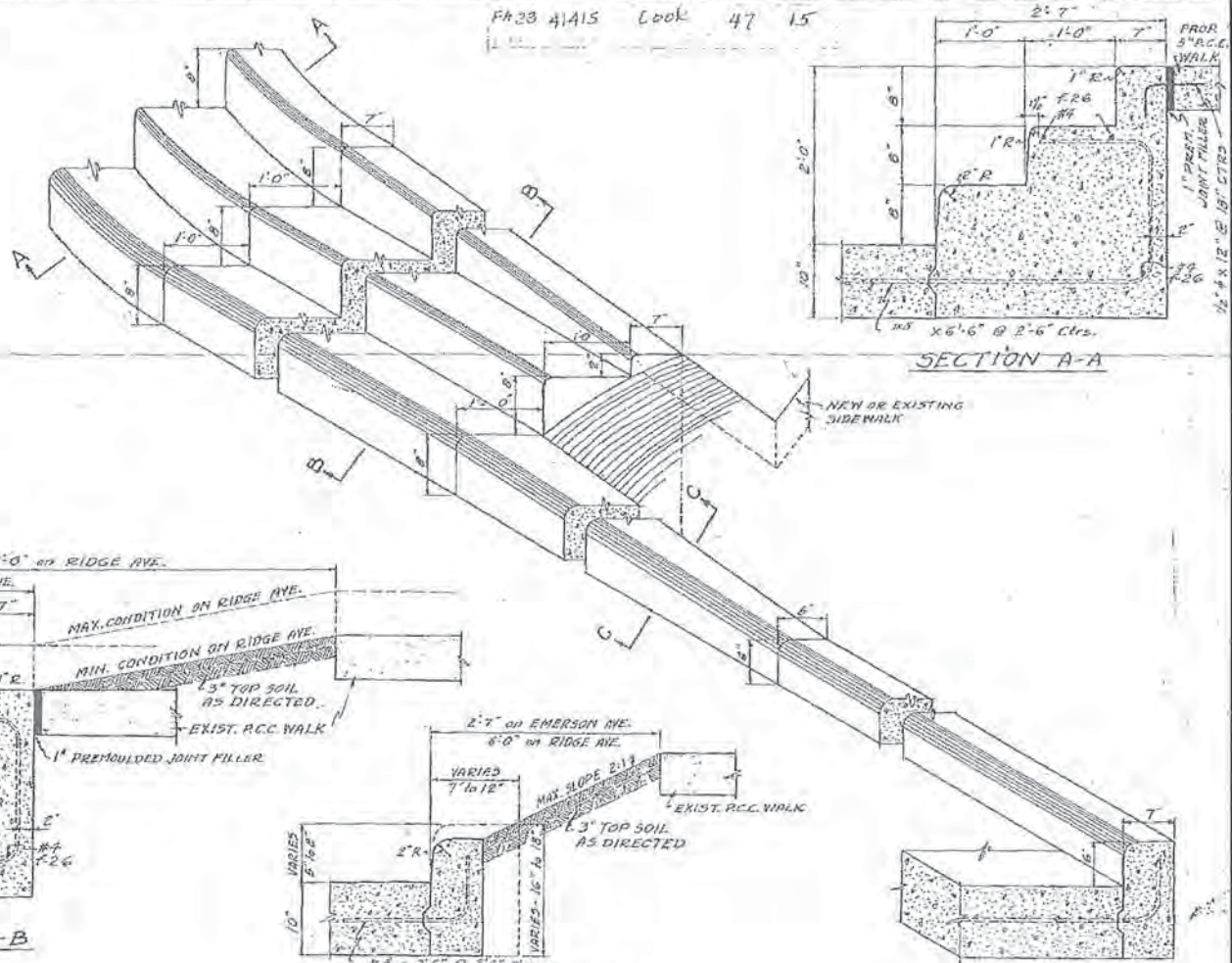
NOTE - See special "Detail A" sheet #17



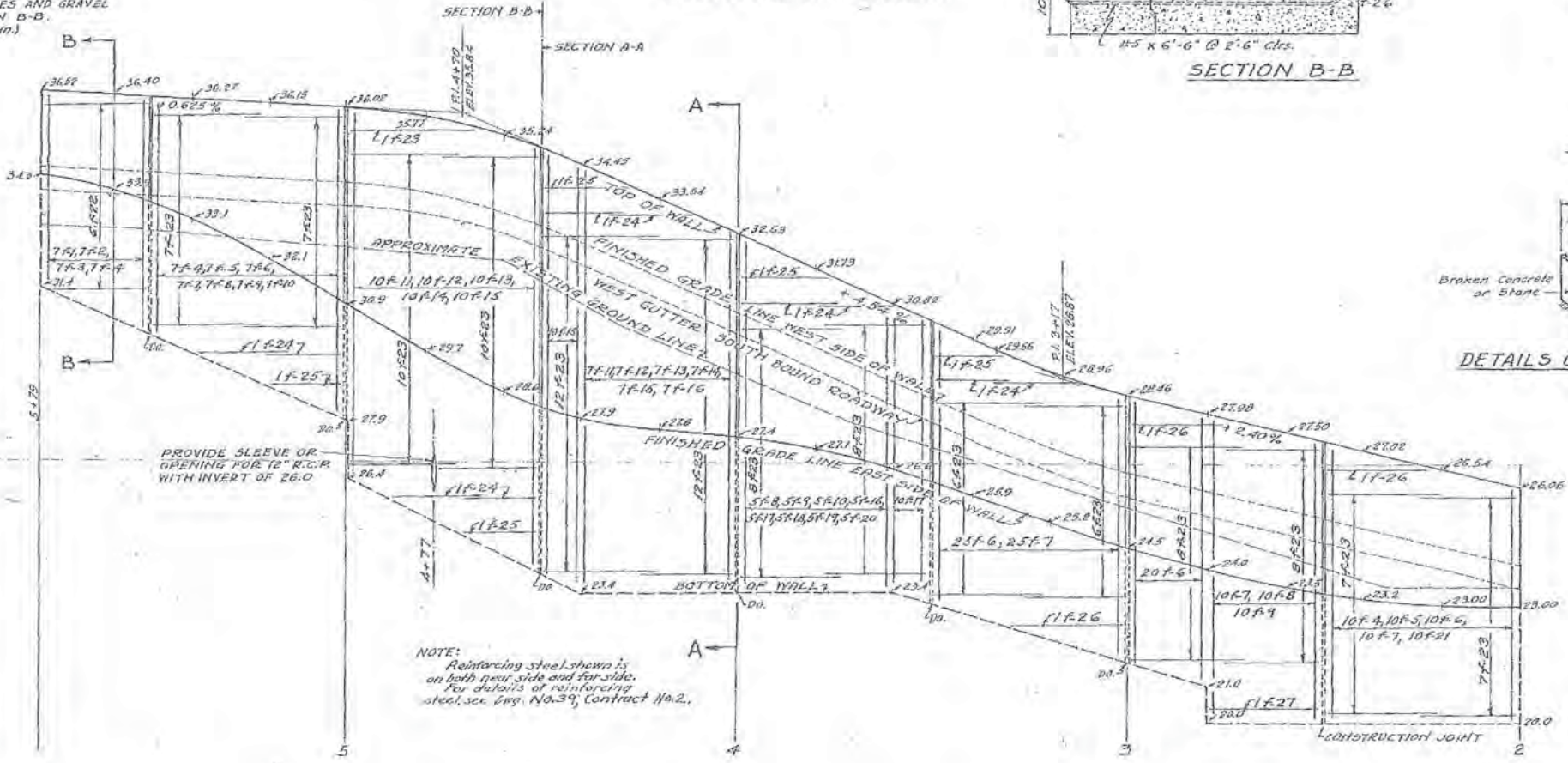
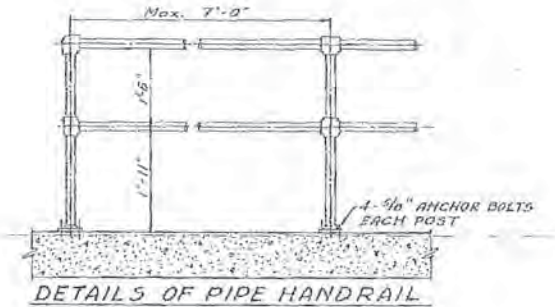
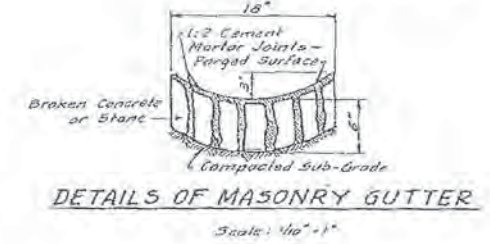
NOTE: THE COST OF FURNISHING AND INSTALLING THE WEEPHOLES AND THE CONSTRUCTION JOINTS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CLASS "X" CONCRETE.

NOTE: PAYMENT AND CURB REIN. NOT SHOWN

LOCATION OF WEEPHOLES AND GRAVEL BACKFILL FOR SECTION B-B. (Other details not shown.)



DETAILS OF STEPPED CURB
SCALE: 1" = 1'-0"



NOTE: Reinforcing steel shown is on both near side and far side. For details of reinforcing steel, see Div. No. 39, Contract No. 2.

NOTE: Type "C" joint adjacent to curb "NOT REQUIRED."

EVANSTON GRADE SEPARATION

WALL "F" AND STEPPED CURB DETAILS

DRAWN BY RCS	H.W. LOGNER & CO. CONSULTING ENGINEERS 150 N. WAGNER DRIVE CHICAGO, ILLINOIS.	DRWG. NO.
TRACED BY JCS		15
CHECKED BY L.C.F.B.		CONTRACT NO. 2
SCALE As Noted		DATE June 17, 2016

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL PLANS
BRIDGE UP RR OVER RIDGE AVENUE AND EMERSON STREET
SCALE: SHEET 11 OF 16 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	328
			CONTRACT NO. 61C32	
ILLINOIS FED. AID PROJECT				

ESI CONSULTANTS, LTD.
USER NAME: bhansraha
DESIGNED - BAH
DRAWN - BAH
CHECKED - MAR
DATE - 10/9/2015

DESIGNED - BAH
DRAWN - BAH
CHECKED - MAR
DATE - 10/9/2015

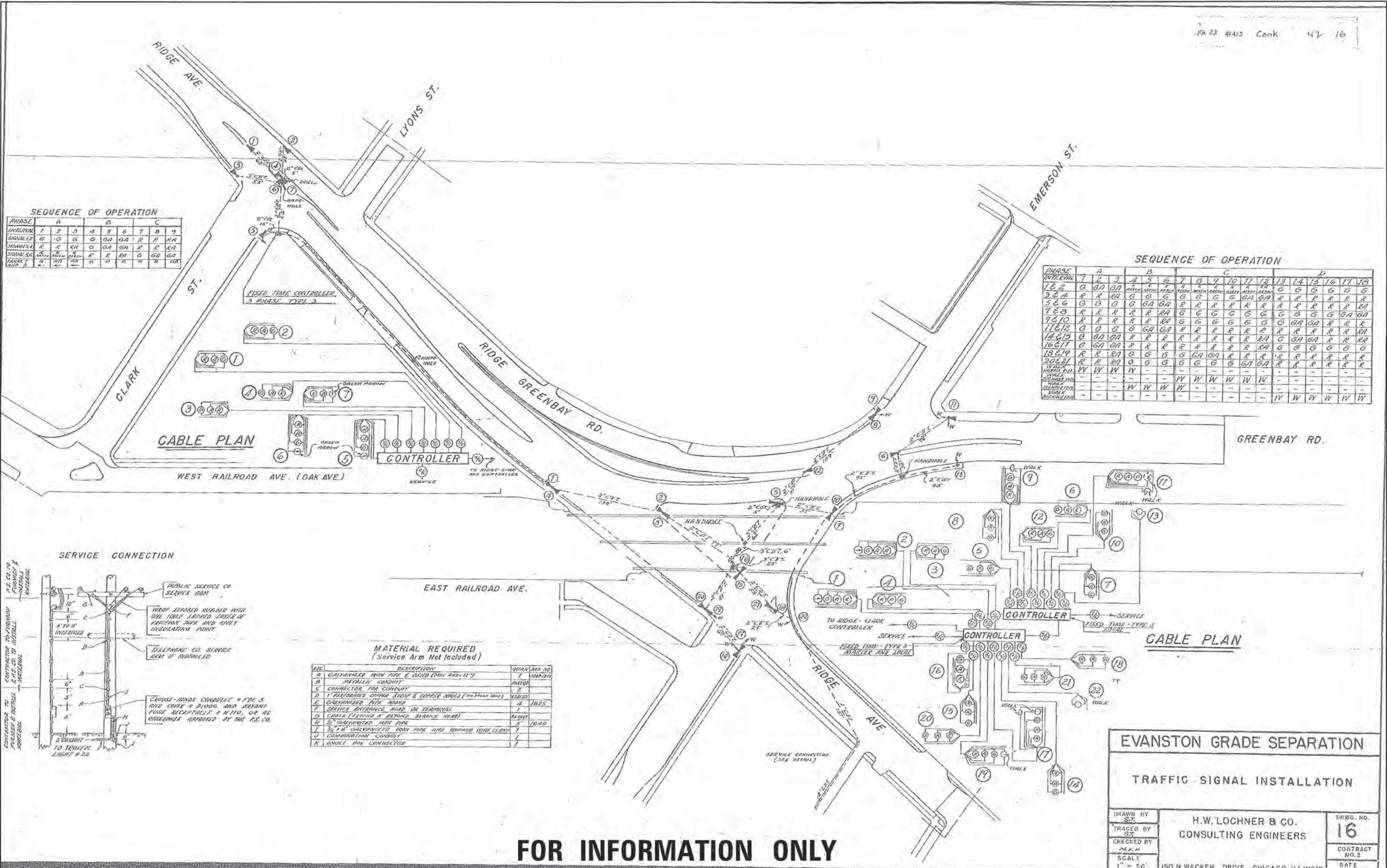
DESIGNED - BAH
DRAWN - BAH
CHECKED - MAR
DATE - 10/9/2015

DESIGNED - BAH
DRAWN - BAH
CHECKED - MAR
DATE - 10/9/2015

DESIGNED - BAH
DRAWN - BAH
CHECKED - MAR
DATE - 10/9/2015

DATE
BY
SURVEYED
PLOTTED
CHECKED
NOTE BOOK
NO.
FILE NAME

DATE
BY
SURVEYED
PLOTTED
CHECKED
NOTE BOOK
NO.
FILE NAME

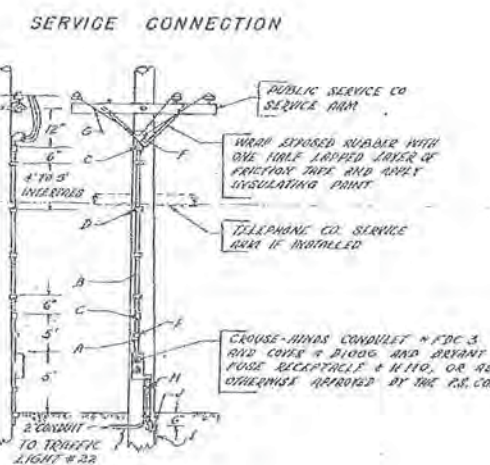


SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8	9
INTERVAL									
SIGNAL 12	G	GA	GA	GA	GA	R	R	RA	RA
SIGNAL 14	R	R	RA	RA	RA	G	G	GA	GA
SIGNAL 16	R	R	RA	RA	RA	G	G	GA	GA
SIGNAL 18	R	R	RA	RA	RA	G	G	GA	GA
SIGNAL 20	R	R	RA	RA	RA	G	G	GA	GA
SIGNAL 22	R	R	RA	RA	RA	G	G	GA	GA

SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
INTERVAL																			
12	G	GA	GA	GA	GA	R	R	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA
14	R	R	RA	RA	RA	G	G	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
16	R	R	RA	RA	RA	G	G	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
18	R	R	RA	RA	RA	G	G	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
20	R	R	RA	RA	RA	G	G	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
22	R	R	RA	RA	RA	G	G	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA



MATERIAL REQUIRED
(Service Arm Not Included)

ITEM	DESCRIPTION	QUANTITY	UNIT
A	GALVANIZED IRON PIPE & BEND (3/4" x 1/2")	7	VARIOUS
B	METALLIC CONDUIT	1000	FEET
C	CONNECTOR FOR CONDUIT	2	PIECES
D	1" THICKENED COPPER STRAP & COPPER NAILS (FOR STRAP AND)	1000	PIECES
E	CRANKED PIPE MARKS	4	PIECES
F	SERVICE ENTRANCE HEAD OR TERMINAL	1	PIECE
G	CHALK (SERVING & BEYOND SERVICE HEAD)	15	PIECES
H	3/4" GALVANIZED IRON PIPE	5	FEET
I	3/4" GALVANIZED IRON PIPE AND SWAMP WIRE CLEW	1	PIECE
J	ANVIL AND CONNECTOR	1	PIECE

FOR INFORMATION ONLY

EVANSTON GRADE SEPARATION
TRAFFIC SIGNAL INSTALLATION

DRAWN BY: SJC
TRACED BY: SJC
CHECKED BY: M.K.R.
SCALE: 1" = 50'

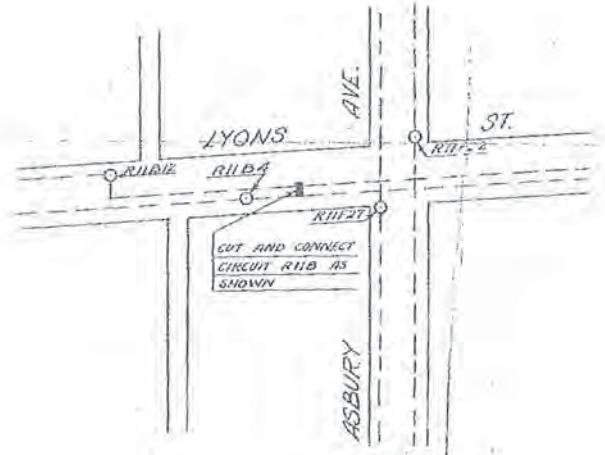
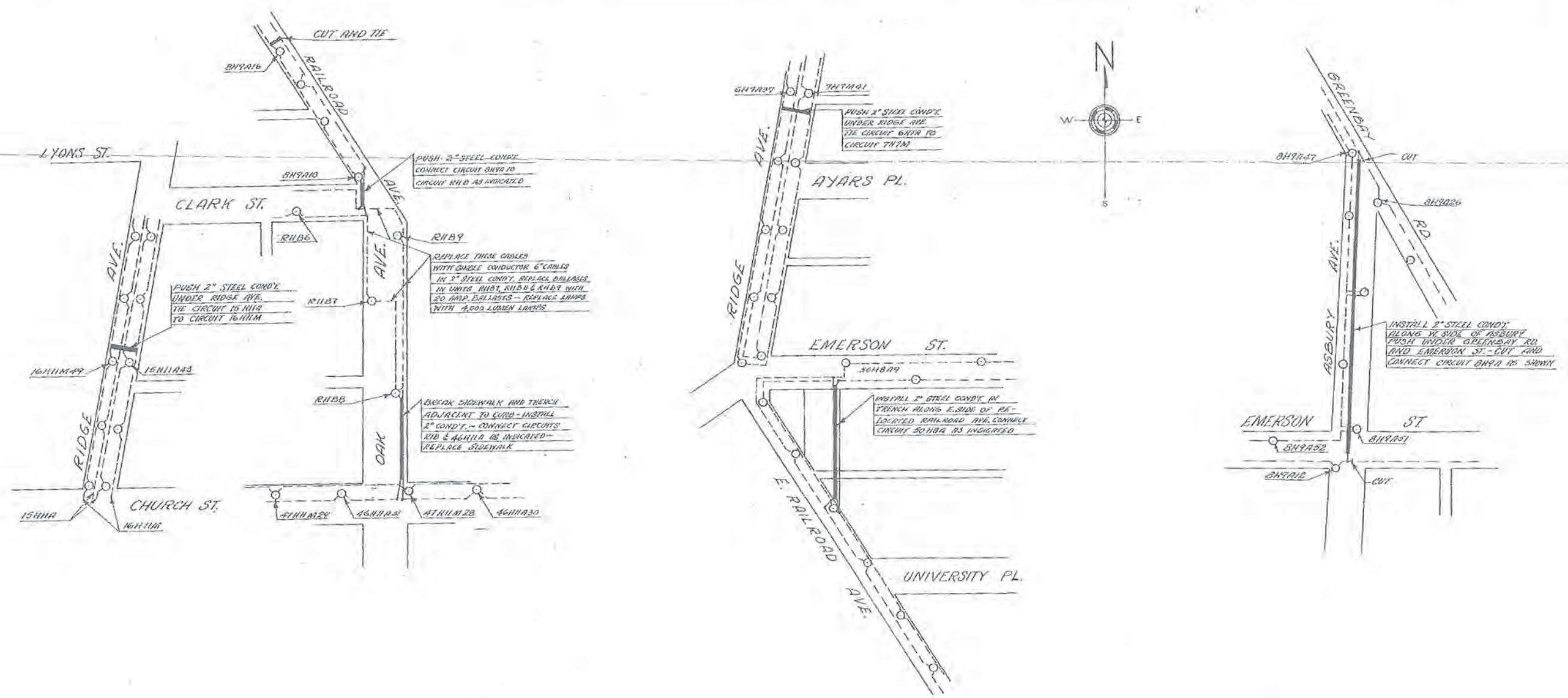
H.W. LOCHNER & CO.
CONSULTING ENGINEERS

CONTRACT NO. 2
DATE

150 N. WACKER DRIVE CHICAGO, ILLINOIS

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTED	BY
	CHECKED	BY
	STRUCTURE	NOTATIONS
	CHNG	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTED	BY
	CHECKED	BY
	STRUCTURE	NOTATIONS
	CHNG	



FOR INFORMATION ONLY

EVANSTON GRADE SEPARATION			
REVISIONS OF EXISTING LIGHTING SYSTEM			
DRAWN BY	H.W. LOCHNER & CO. CONSULTING ENGINEERS	CONTRACT NO. 2	DRAWG. NO. 17A
TRACED BY			
CHECKED BY			
SCALE	1" = 100'	DATE	



USER NAME = bharrsch	DESIGNED - BAH	REVISED - -
PLOT SCALE = 1/8" = 1'	DRAWN - BAH	REVISED - -
PLOT DATE = 1/7/2016	CHECKED - MAR	REVISED - -
	DATE - 10/9/2015	REVISED - -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

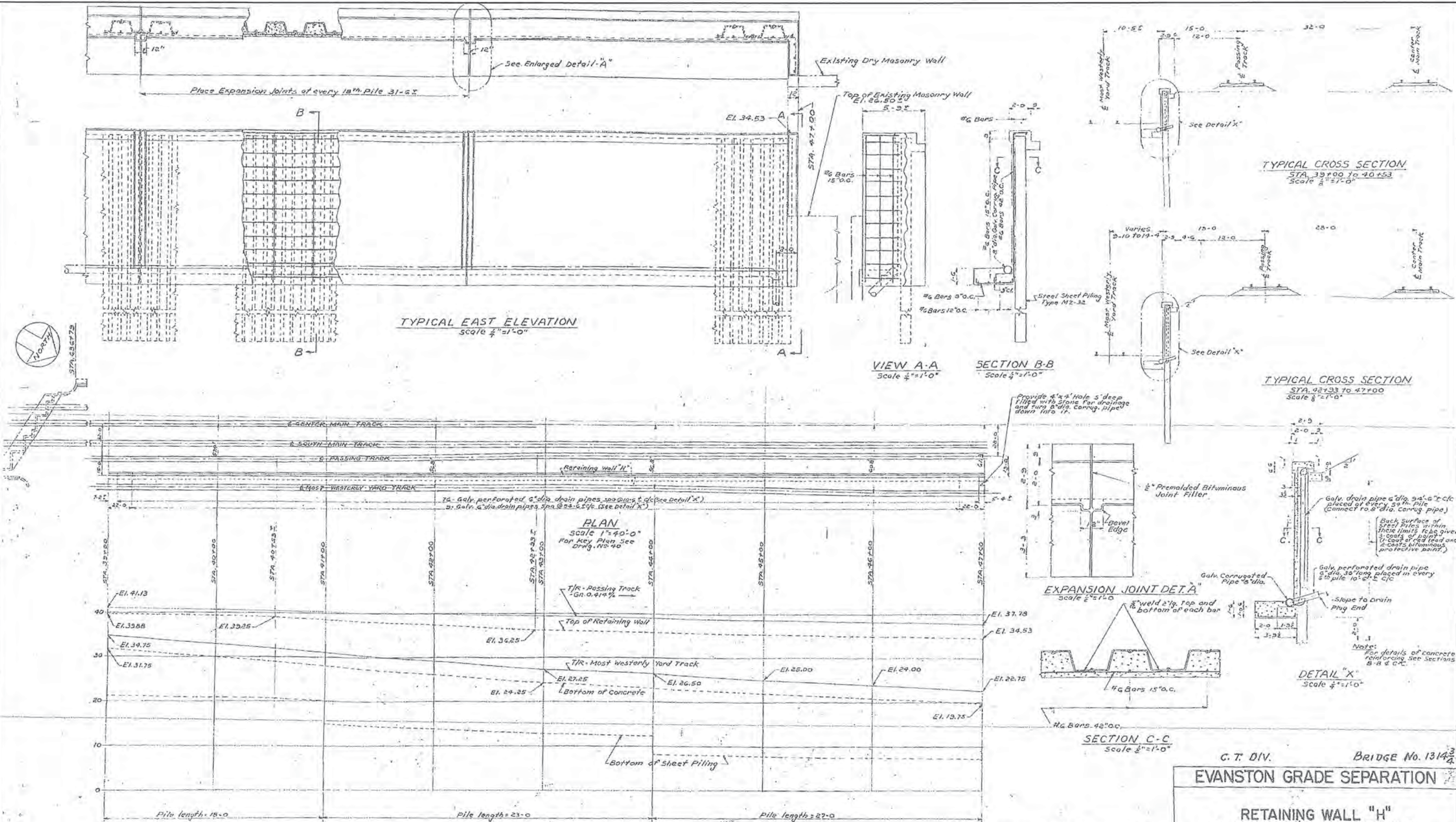
STRUCTURAL PLANS
BRIDGE UPRR OVER RIDGE AVENUE AND EMERSON STREET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	330
CONTRACT NO. 61C32				
ILLINOIS FED. AID PROJECT				

FILE NAME: ERG01_04_14_17.dgn

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY



STEEL SHEET PILING TYPE MZ-32			
QUANTITY EACH	LENGTH EACH	TOTAL	
		LENGTH	WEIGHT LBS
114	18-0	2052	114912
171	23-0	3933	220248
172	27-0	4674	260064

PROFILE RETAINING WALL
Scale: Horiz. 1"=40'-0"
Vert. 1"=10'-0"

THE NUMERAL 6 (FOR 600) HAS BEEN LEFT OFF ALL STATIONS SHOWN

FOR INFORMATION ONLY

C. T. DIV. BRIDGE No. 1314³/₄

EVANSTON GRADE SEPARATION

RETAINING WALL "H" PLAN PROFILE AND DETAILS

DRAWN BY R.v.B.
TRACED BY R.v.B.
CHECKED BY G.A.P.
SCALE As Noted

H. W. LOCHNER & CO.
CONSULTING ENGINEERS

150 N. WACKER DRIVE, CHICAGO, ILLINOIS

DRWG NO. **38**
DATE: December 31

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	331

CONTRACT NO. 61C32
ILLINOIS FED. AID PROJECT



USER NAME = bherrsch	DESIGNED - BAH	REVISED - -
PLotted SCALE = 1,000' / 1"	DRAWN - BAH	REVISED - -
PLotted DATE = 1/7/2016	CHECKED - MAR	REVISED - -
	DATE - 10/9/2015	REVISED - -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

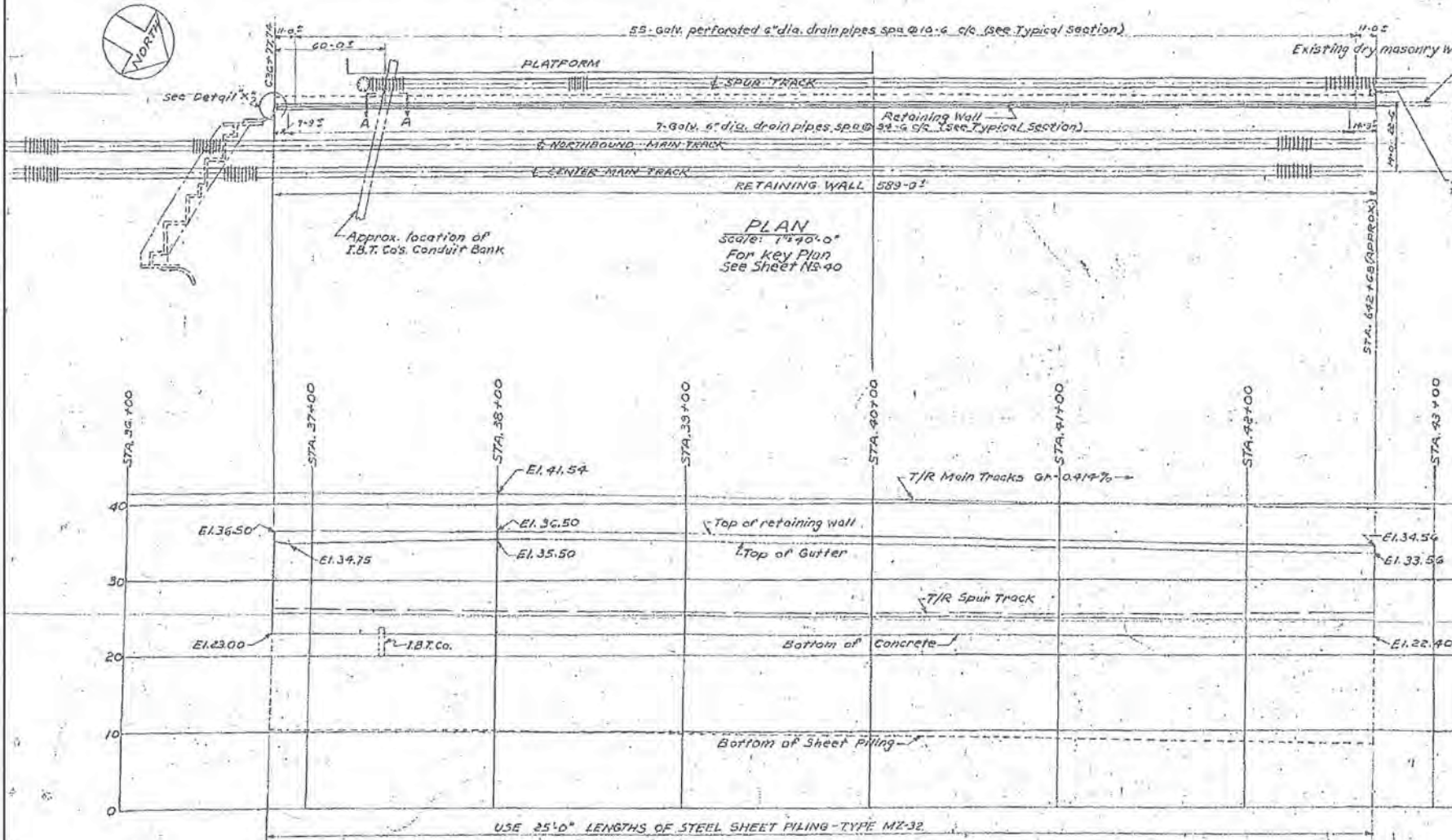
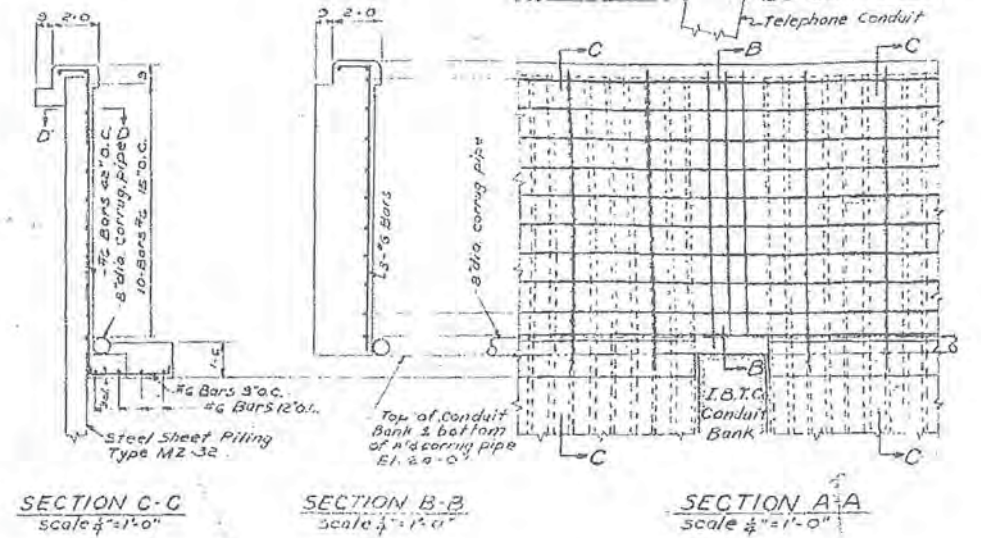
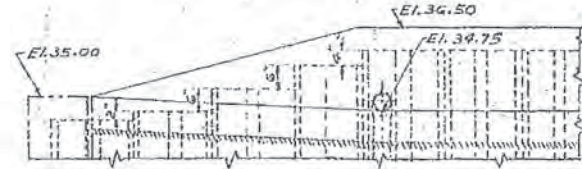
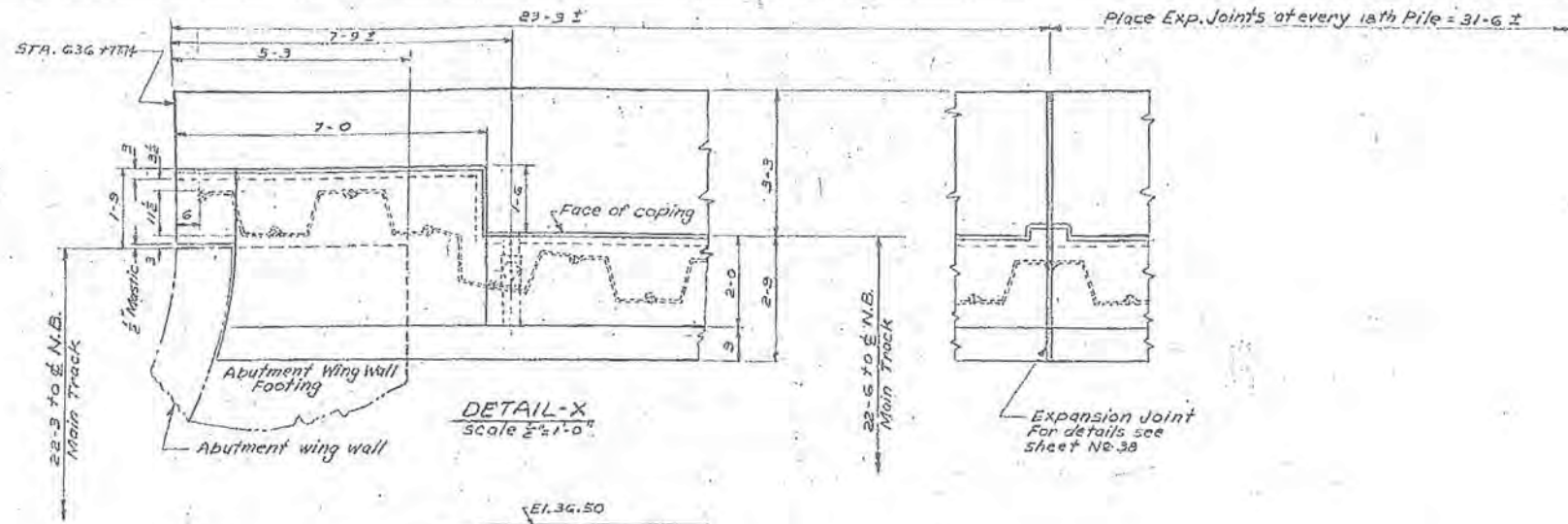
STRUCTURAL PLANS
BRIDGE UPRR OVER RIDGE AVENUE AND EMERSON STREET

SCALE: SHEET 14 OF 16 SHEETS STA. TO STA.

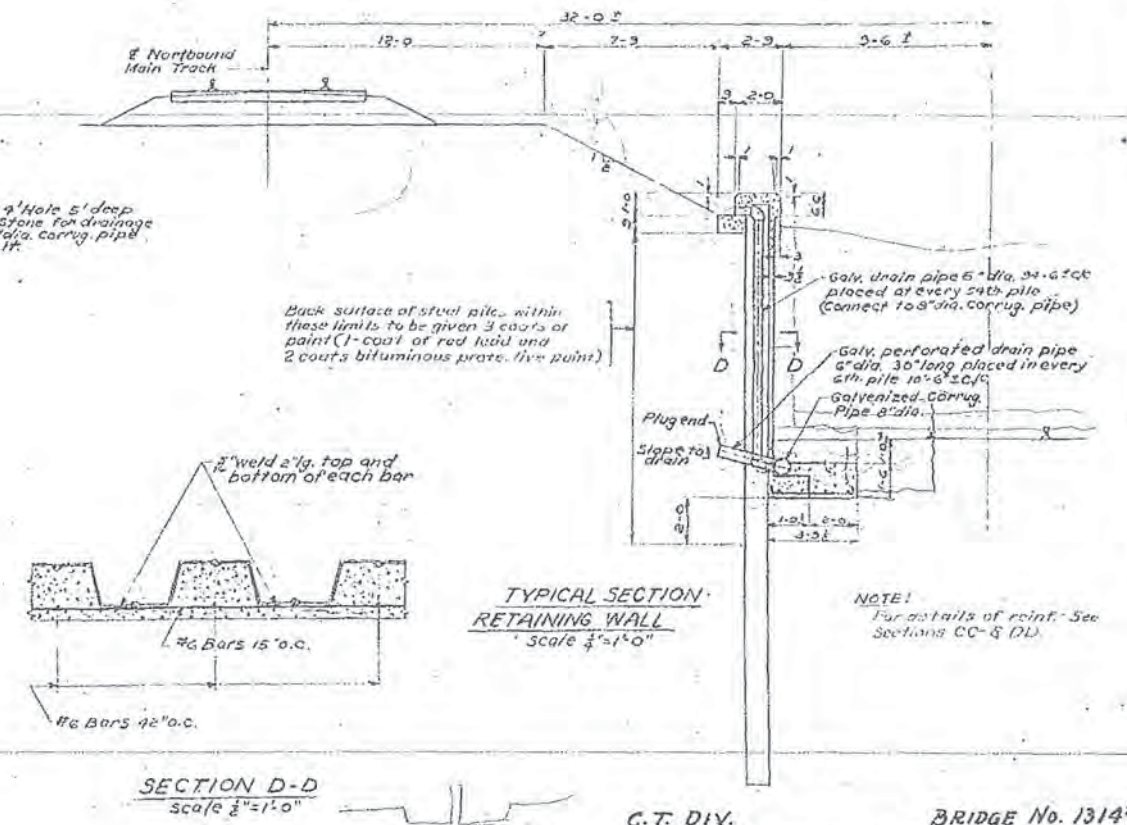
FILE NAME: ER011414.stn (1)B.dwg

DATE	
BY	
DESIGNED	
CHECKED	
PLOTTED	
NOTE BOOK	
NO.	

DATE	
BY	
DESIGNED	
CHECKED	
PLOTTED	
NOTE BOOK	
NO.	



RETAINING WALL "B" PROFILE
Scale: Horiz. 1" = 40'-0" Vert. 1" = 10'-0"



SECTION D-D
Scale 1/4" = 1'-0"

STEEL SHEET PILING TYPE MZ-32			
QUANTITY EACH	LENGTH EACH	TOTAL	
		LENGTH	WEIGHT LBS
386	25'-0"	9650	540400

C.T. DIV. BRIDGE No. 1314 3/4
EVANSTON GRADE SEPARATION

RETAINING WALL "B"
PLAN PROFILE AND DETAILS

DRAWN BY H.U.B.	H.W. LOCHNER & CO. CONSULTING ENGINEERS	DRWG NO.
TRACED BY R.V.B.		39
CHECKED BY G.A.P.		CONTRACT NO. 2
SCALE As Noted		DATE December 5/16

150 N. WACKER DRIVE, CHICAGO, ILLINOIS

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL PLANS
BRIDGE UPRR OVER RIDGE AVENUE AND EMERSON STREET

SCALE: SHEET 15 OF 16 SHEETS STA. TO STA.

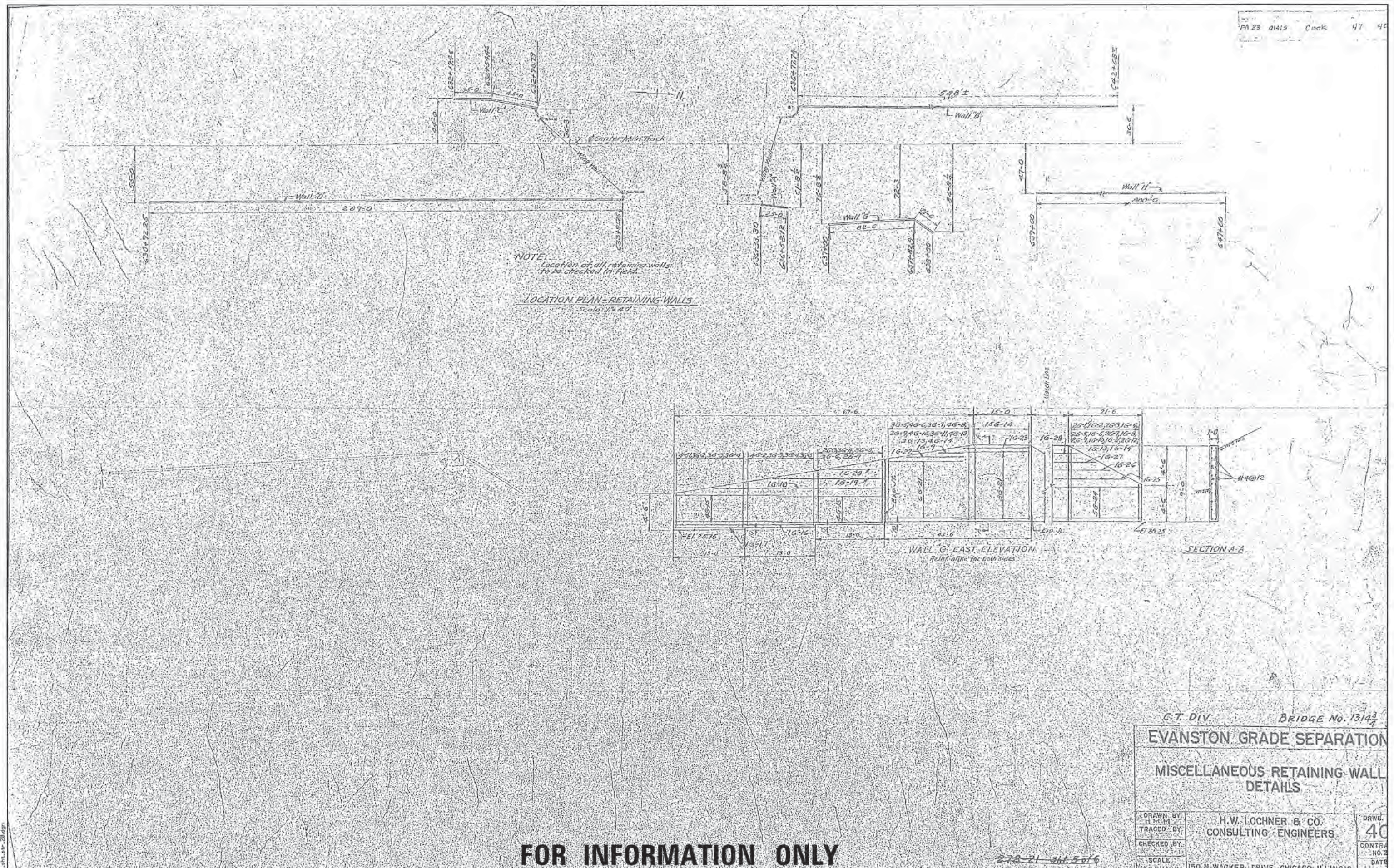
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00270-00-CH	COOK	393	332
			CONTRACT NO. 61C32	
ILLINOIS FED. AID PROJECT				



USER NAME = bhanricha	DESIGNED - BAH	REVISED -
PLOT SCALE = 1:8000 1/4" = 1'	DRAWN - BAH	REVISED -
PLOT DATE = 1/7/2016	CHECKED - MAR	REVISED -
	DATE = 10/9/2015	REVISED -

PLAN	DATE
BY	
REVISIONS	
NO.	
DESCRIPTION	

PROFILE	DATE
BY	
REVISIONS	
NO.	
DESCRIPTION	



FOR INFORMATION ONLY

C.T. DIV. BRIDGE No. 13143/4

EVANSTON GRADE SEPARATION

MISCELLANEOUS RETAINING WALL DETAILS

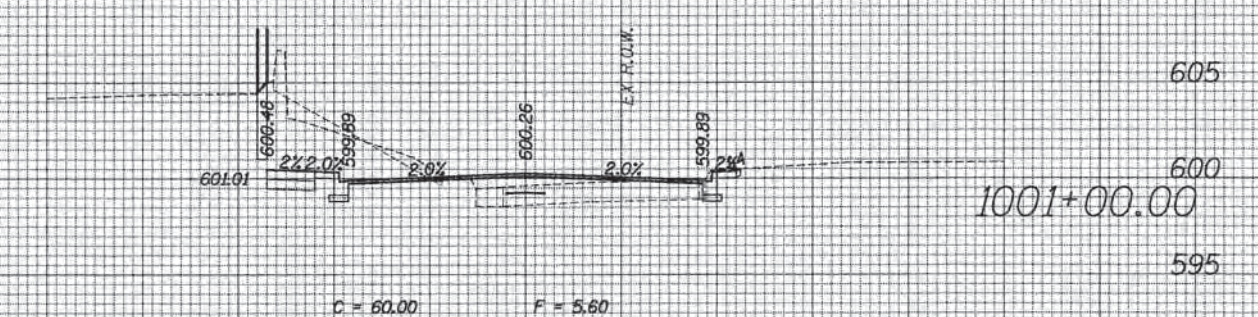
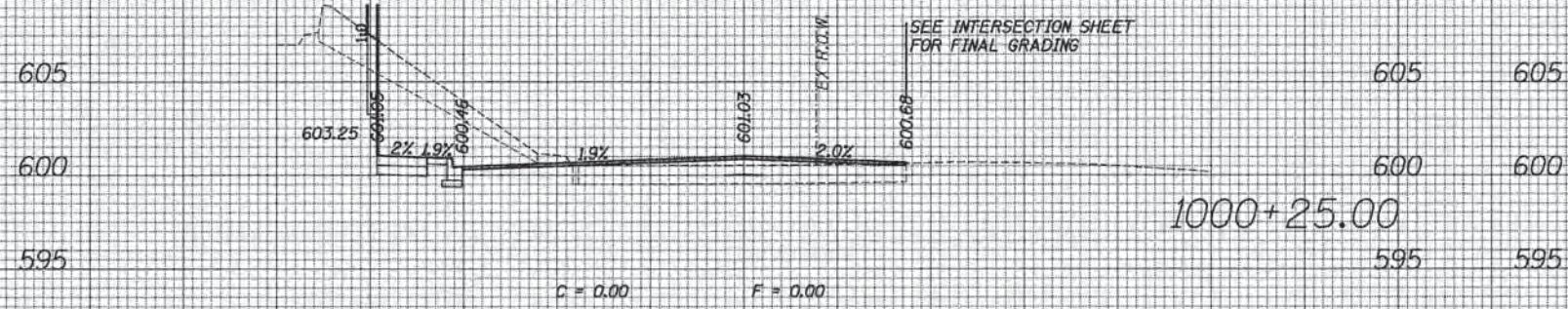
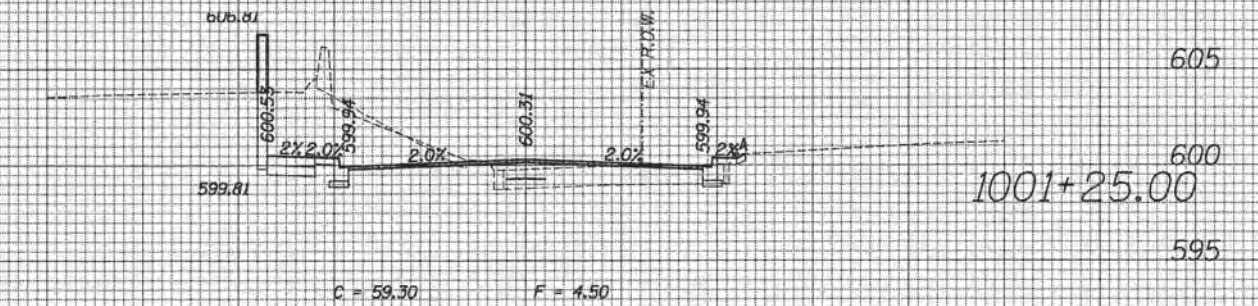
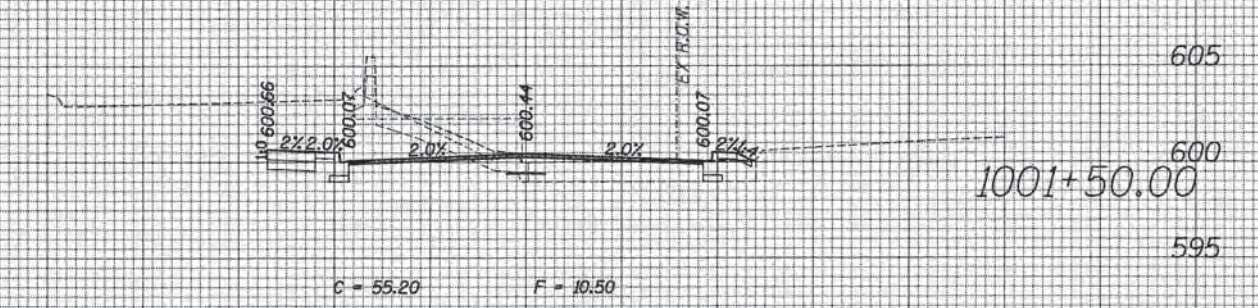
DRAWN BY	H.W. LOCHNER & CO. CONSULTING ENGINEERS	DRWG. NO.	40
TRACED BY		CONTRACT NO.	61C32
CHECKED BY		DATE	
SCALE	AS SHOWN		

150 N. WAGNER DRIVE, CHICAGO, ILLINOIS.

ESI CONSULTANTS, LTD. <small>150 N. WAGNER DRIVE, CHICAGO, ILLINOIS 60610</small>	USER NAME = bharrvicha	DESIGNED - BAH	REVISED - -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURAL PLANS BRIDGE UPRR OVER RIDGE AVENUE AND EMERSON STREET	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1/8" = 1'-0"	DRAWN - BAH	REVISED - -			13-00270-00-CH	COOK	393	333	
PLOT DATE = 1/7/2016	CHECKED - MAR	DATE - 10/9/2015	REVISED - -	SCALE: _____	SHEET 16 OF 16 SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 61C32		
							ILLINOIS FED. AID PROJECT			

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

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

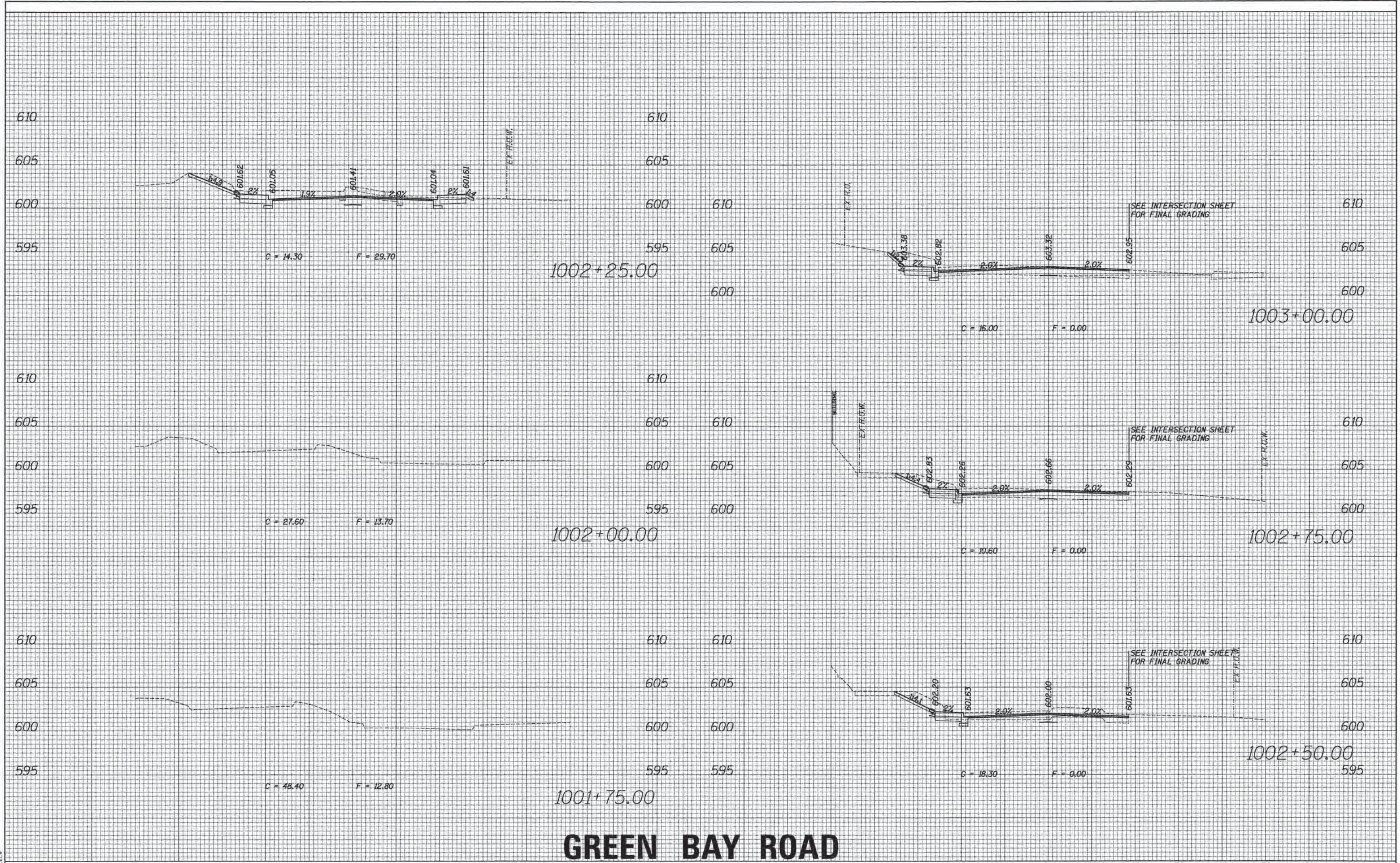


GREEN BAY ROAD

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ESI CONSULTANTS, LTD. USER NAME = bherrichs DESIGNED DRAWN CHECKED DATE PLOT SCALE = 18.0000' / in. PLOT DATE = 1/7/2016												REVISIONS REVISED REVISED REVISED REVISED		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PROPOSED CROSS SECTION SHEET SCALE: SHEET OF SHEETS STA. 1000+25.00 TO STA. 1001+50.00		F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 13-00270-00-CH COOK 393 334 CONTRACT NO. 61C32 (ILLINOIS) FED. AID PROJECT	

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

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

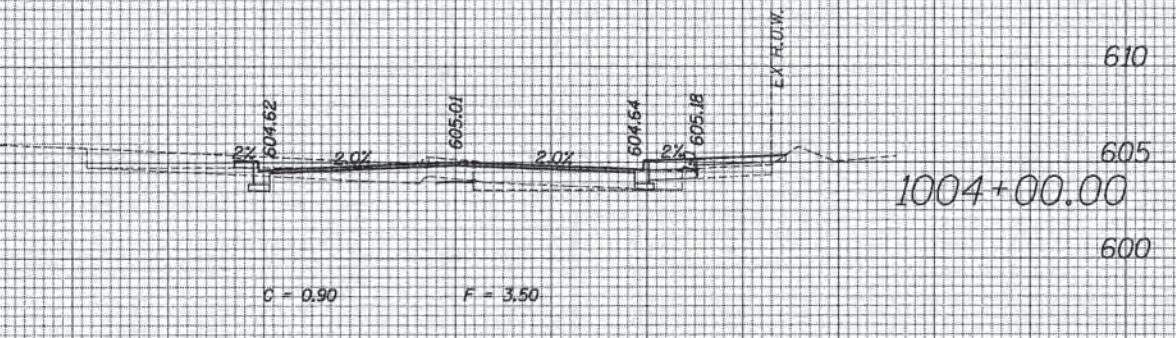
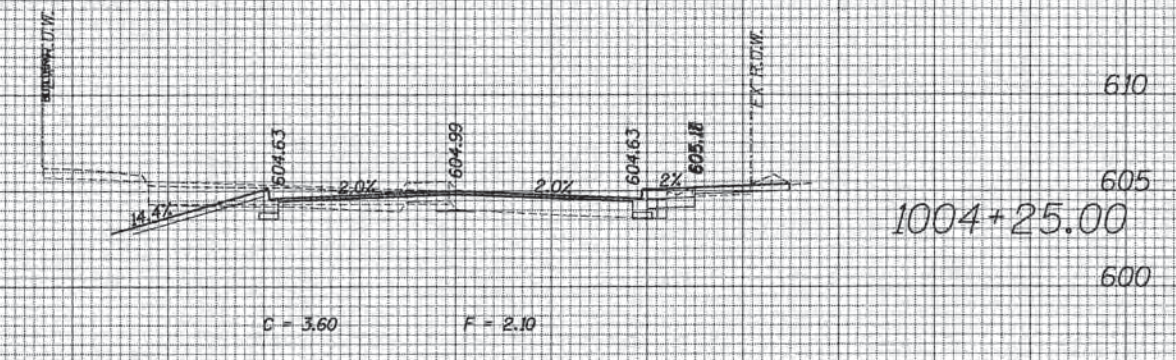
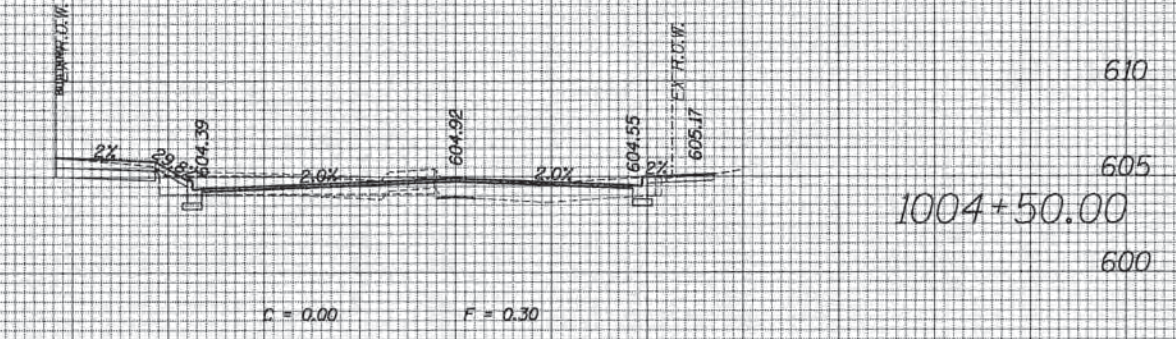
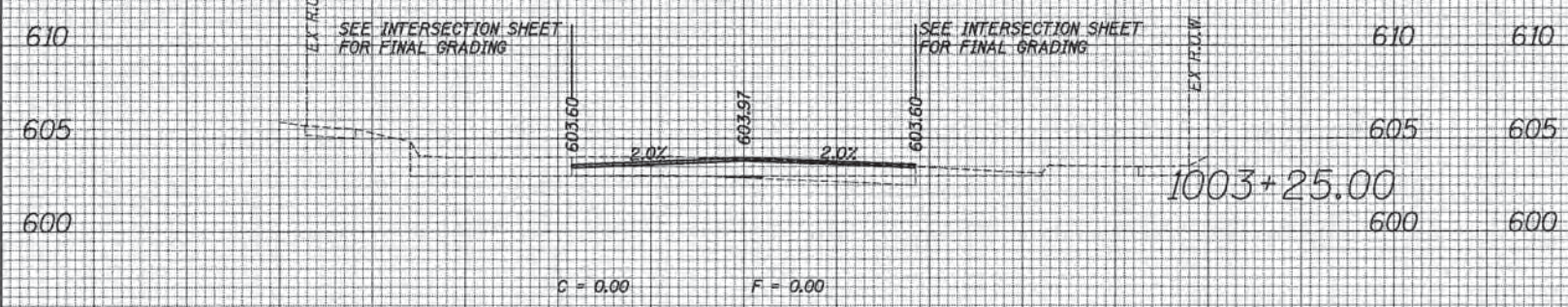
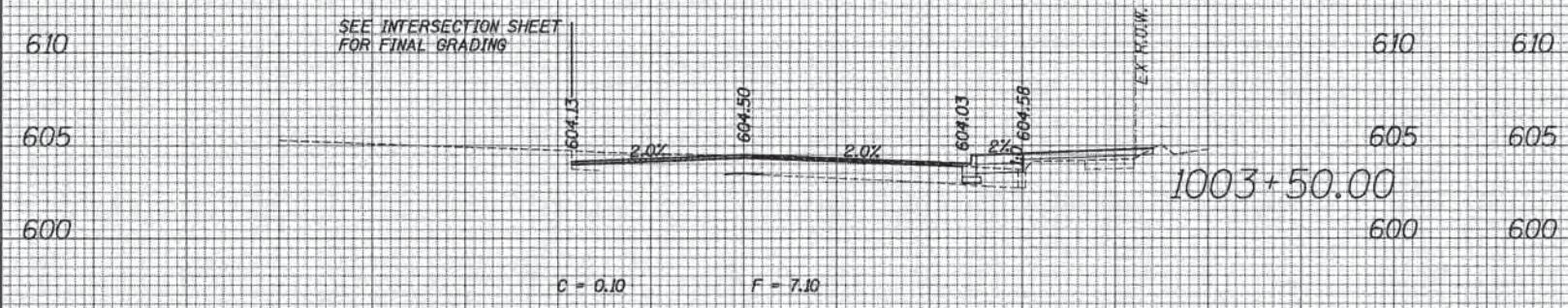
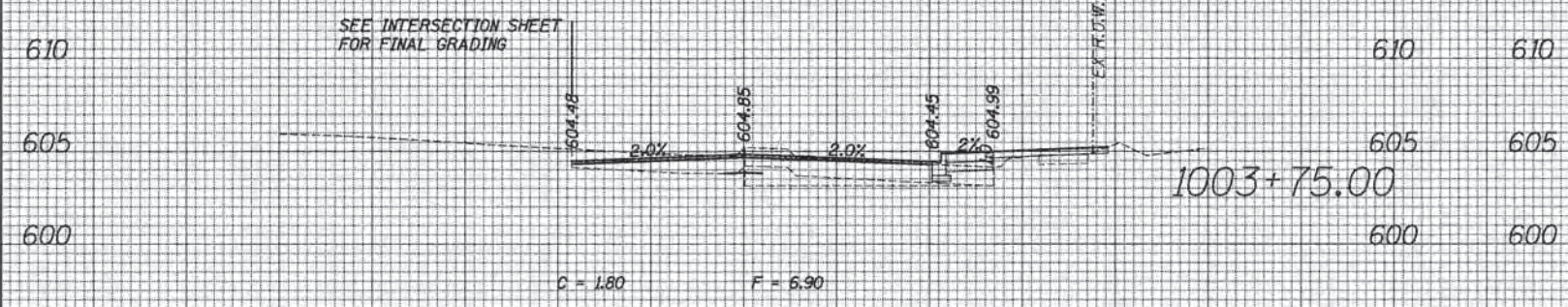


GREEN BAY ROAD

	USER NAME = bharrsch	DESIGNED	REVISD	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTION SHEET			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 10.0000' / in.	DRAWN	REVISD		SCALE: _____	SHEET	OF	SHEETS	13-00270-00-CH	COOK	393	335
	PLOT DATE = 1/7/2016	CHECKED	REVISD		STA. 1001+75.00 TO STA. 1003+00.00			CONTRACT NO. 61C32		ILLINOIS FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



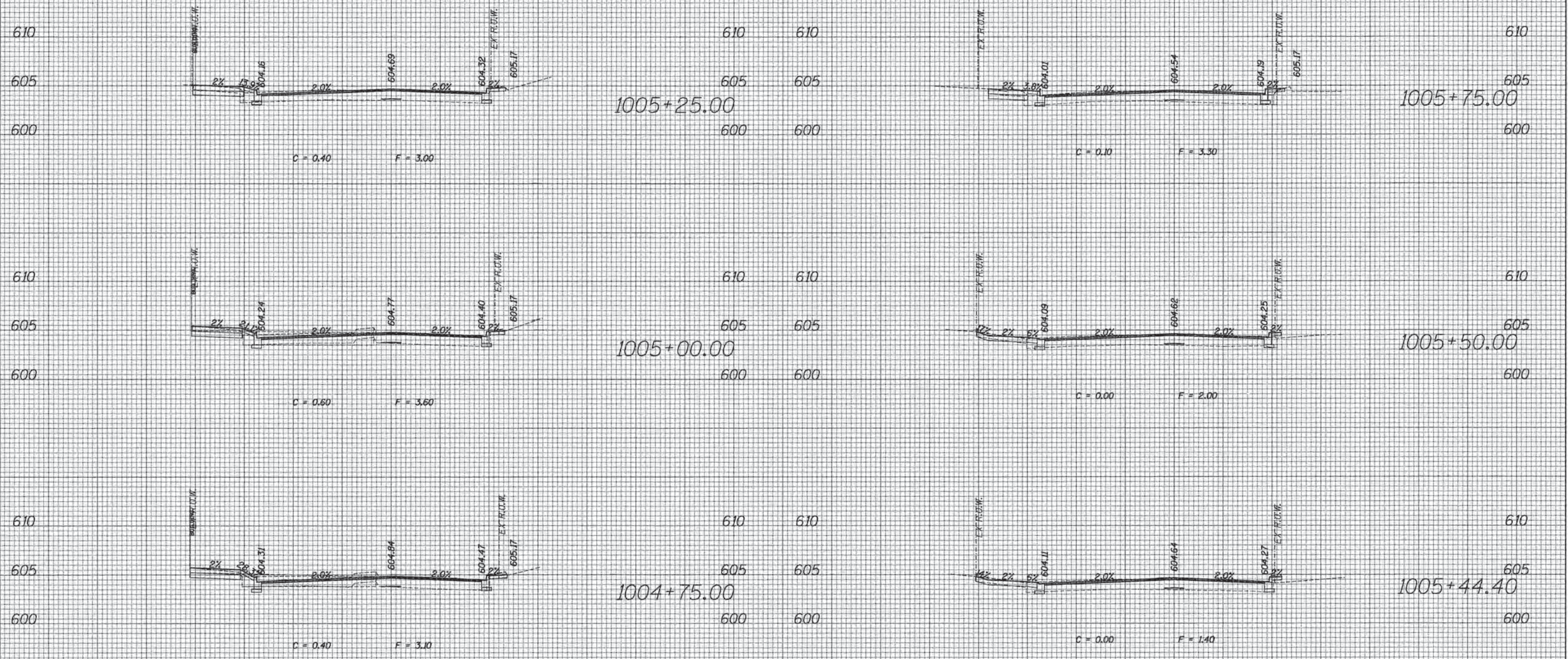
GREEN BAY ROAD

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PLOT SCALE = 10.0000' / 1"												PLOT DATE = 1/7/2016		SCALE: SHEET OF SHEETS STA. 1003+25.00 TO STA. 1004+50.00				CONTRACT NO. 61C32				ILLINOIS FED. AID PROJECT						

FILE NAME = #FILEL6

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

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

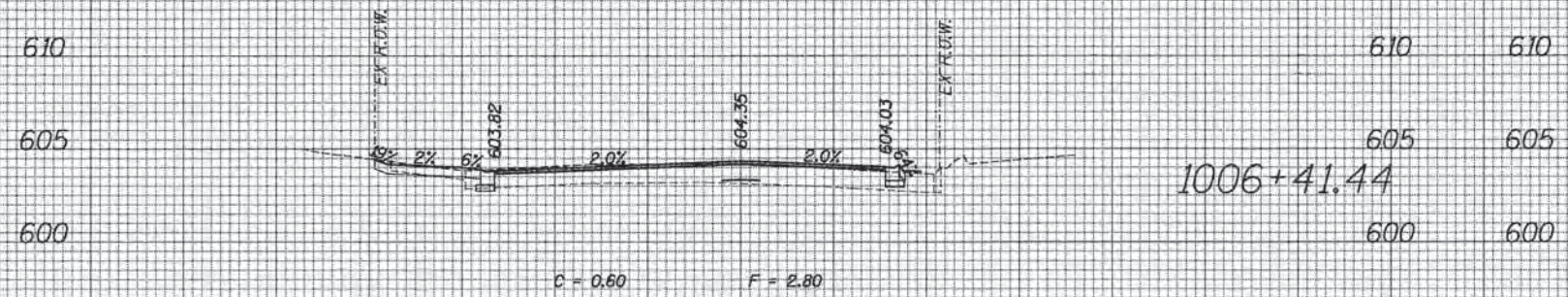


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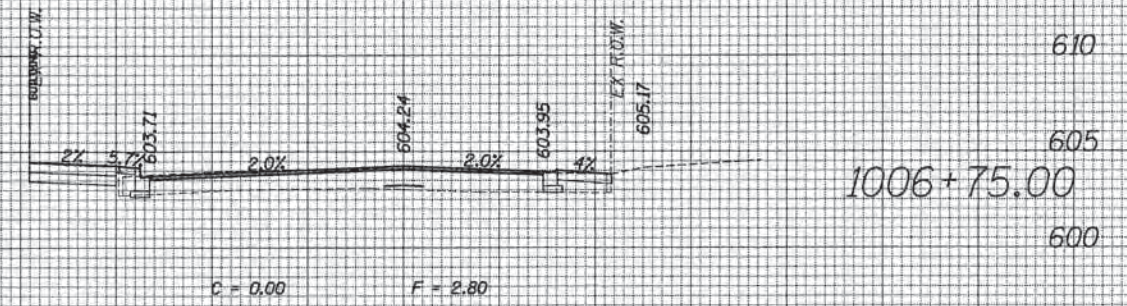
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ESI CONSULTANTS, LTD. USER NAME = bharrsch DESIGNED DRAWN CHECKED DATE PLOT SCALE = 10,0000 "/>															DESIGNED REVISIONS REVISIONS REVISIONS REVISIONS					STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION					PROPOSED CROSS SECTION SHEET SCALE: SHEET OF SHEETS STA. 1004+75.00 TO STA. 1005+75.00					F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 13-00270-00-CH COOK 393 337 CONTRACT NO. 61C32 ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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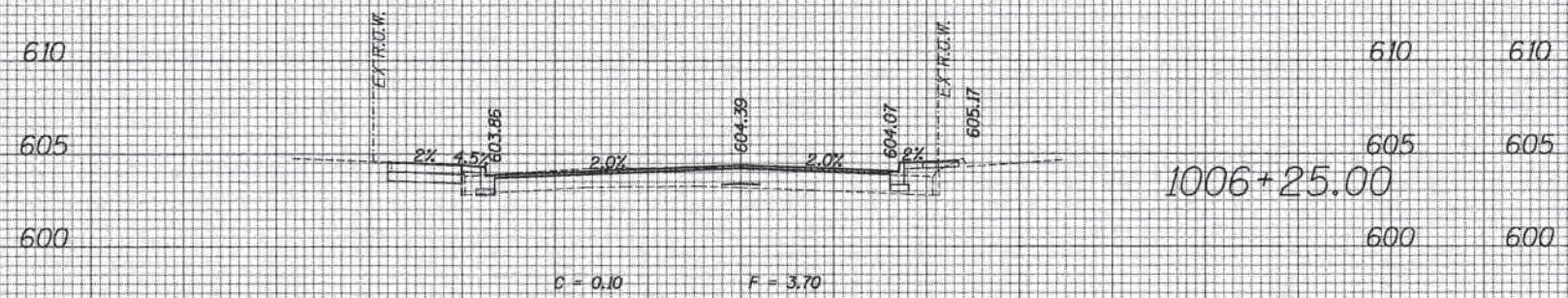
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BY	
ORIGINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
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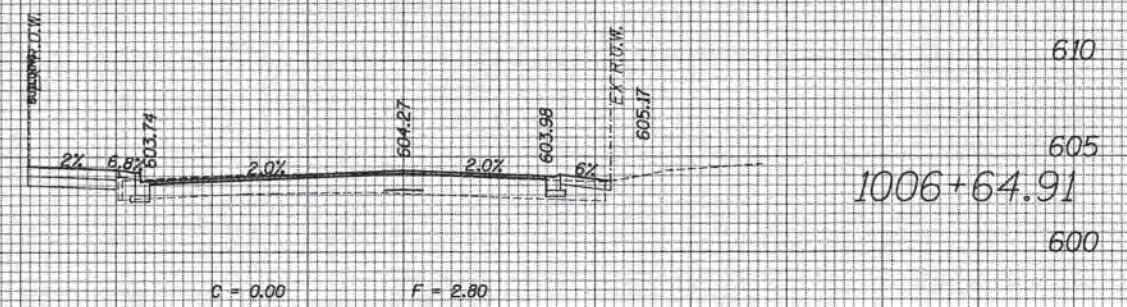
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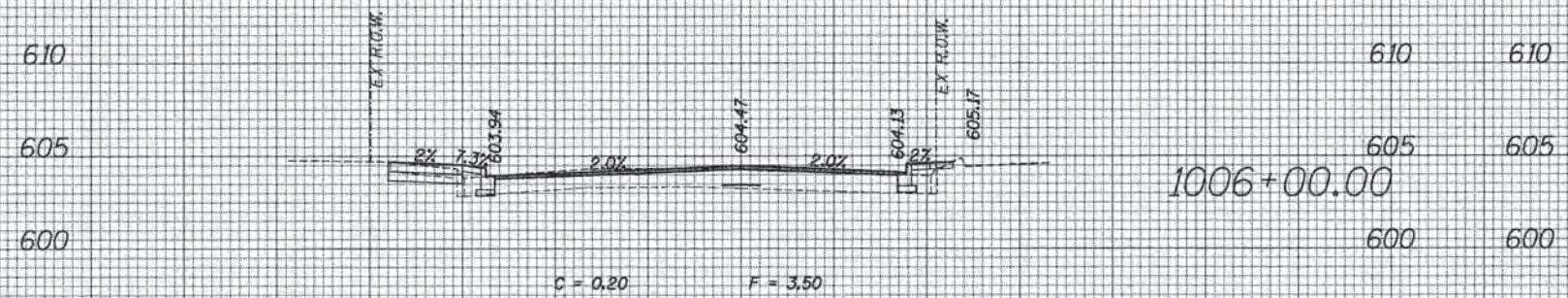
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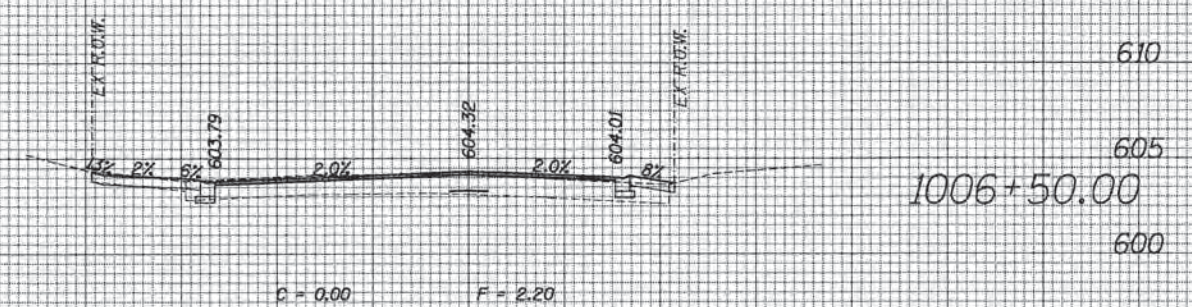
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1006+64.91



1006+00.00



1006+50.00

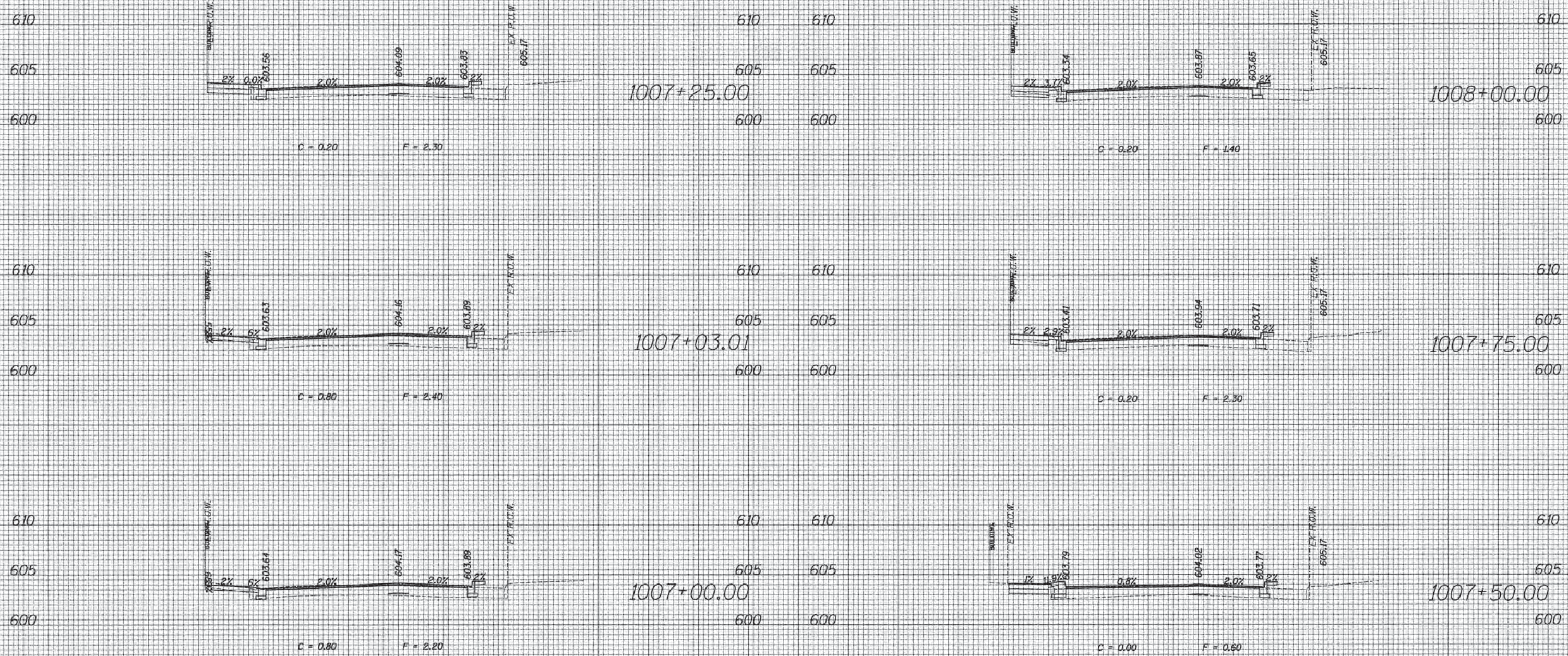
GREEN BAY ROAD

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															STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION										PROPOSED CROSS SECTION SHEET					F.A. RTE.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
USER NAME = bhenrsch DESIGNED DRAWN CHECKED DATE															REVISED REVISED REVISED REVISED										SCALE: SHEET OF SHEETS STA. 1006+00.00 TO STA. 1006+75.00					13-00270-00-CH		COOK		393		338			
PLOT SCALE = 10.0000' / in. PLOT DATE = 1/7/2016																														CONTRACT NO. 61C32		ILLINOIS FED. AID PROJECT							

FILE NAME = 01TEL14

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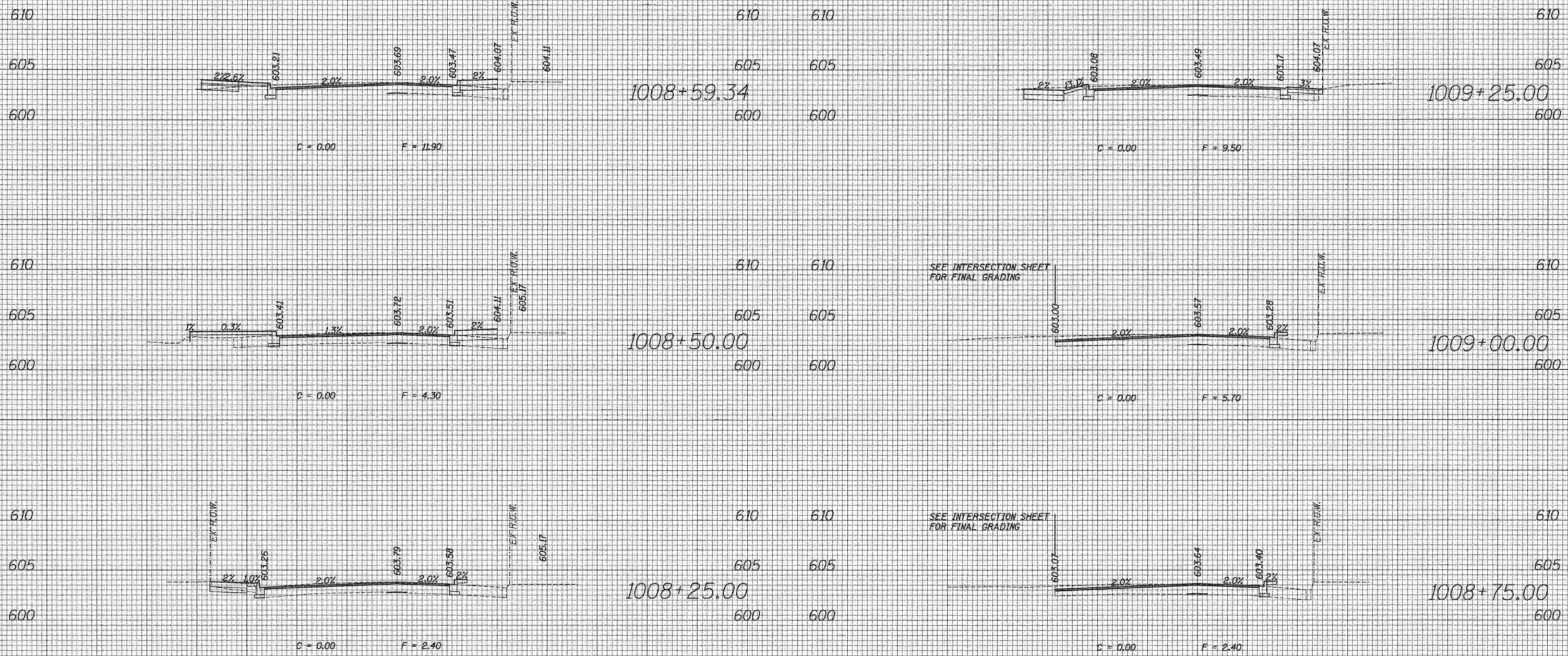


GREEN BAY ROAD

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ESI CONSULTANTS, LTD. 1400 W. 11th Street, Suite 100 Chicago, IL 60604 Phone: (773) 399-1000 Fax: (773) 399-1001 Website: www.esiconsultants.com												USER NAME = bhernsche DESIGNED DRAWN CHECKED DATE				REVISED REVISED REVISED REVISED				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				PROPOSED CROSS SECTION SHEET				F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 13-00270-00-CH COOK 393 339 CONTRACT NO. 61C32			
PLOT SCALE = 1/8" = 10'-0" / in. PLOT DATE = 1/7/2016																				SCALE: SHEET OF SHEETS STA. 1007+00.00 TO STA. 1008+00.00				ILLINOIS FED. AID PROJECT							

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

DATE	
BY	
NO.	
ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED	
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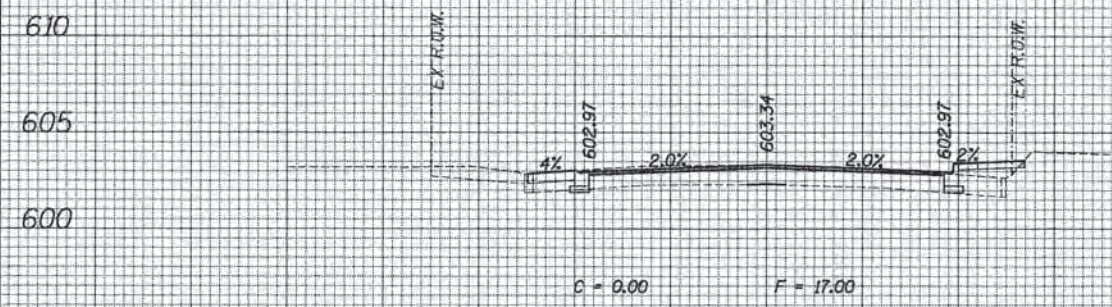


GREEN BAY ROAD

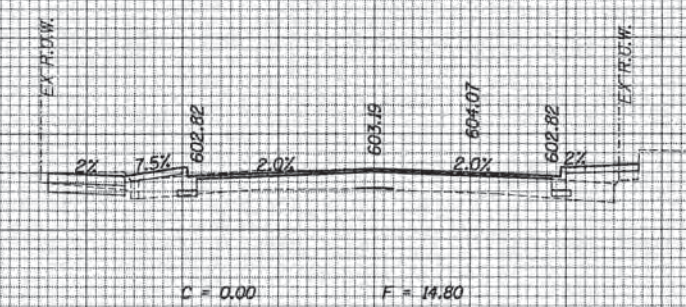
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		USER NAME = bhanrichs DESIGNED DRAWN CHECKED DATE		REVISED REVISED REVISED REVISED		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION										PROPOSED CROSS SECTION SHEET					F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.						
PLOT SCALE = 10.0000' / in. PLOT DATE = 1/7/2016		STA. 1008+25.00 TO STA. 1009+25.00										13-00270-00-CH COOK 393 340		CONTRACT NO. 61C32 ILLINOIS FED. AID PROJECT													

DATE	
BY	
FM	
NO.	
ORIGINAL SURVEY	
NOTE BOOK	
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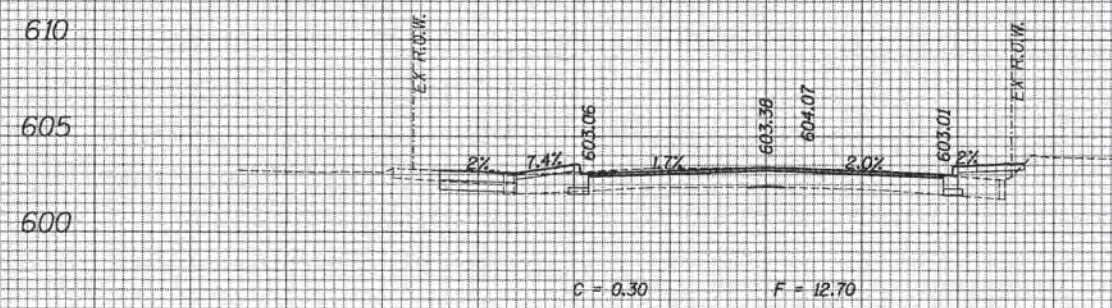
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AREAS CHECKED	



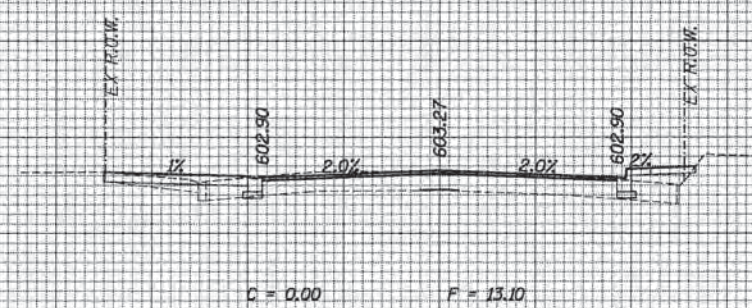
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 605 605
 600 600
 1009+75.00
 600 600



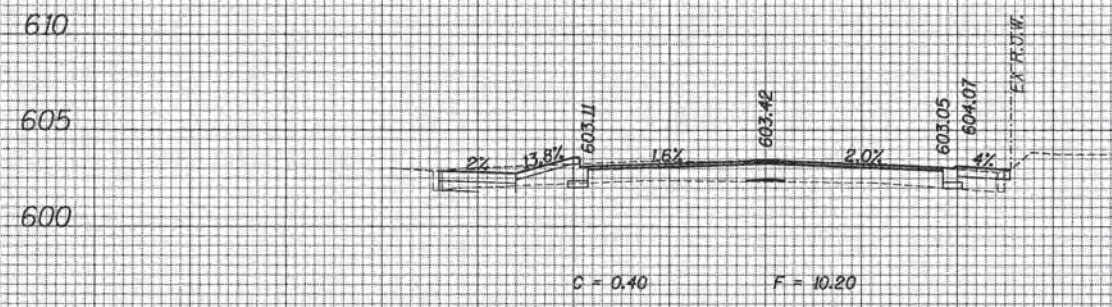
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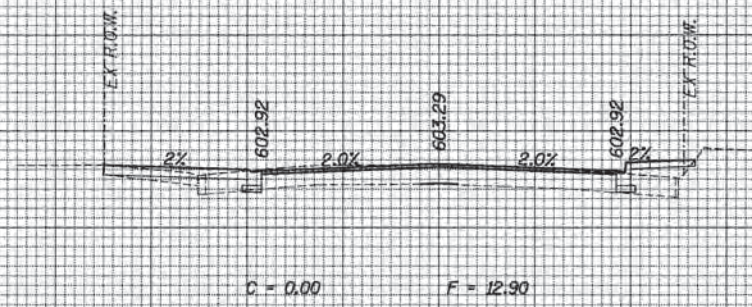
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 1010+00.00
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610 610
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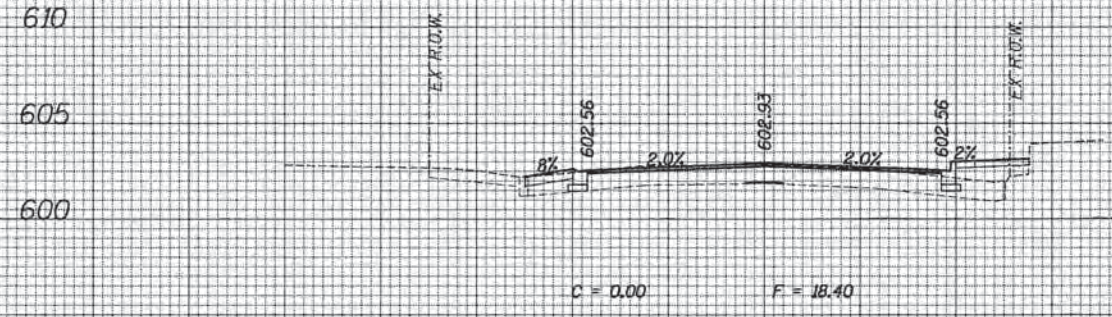
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GREEN BAY ROAD

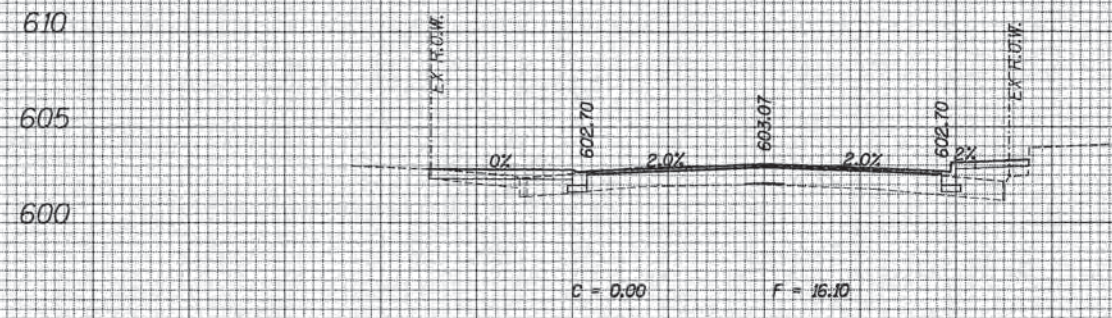
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ESI CONSULTANTS, LTD.		USER NAME = bhenscha		DESIGNED		REVISED		STATE OF ILLINOIS		DEPARTMENT OF TRANSPORTATION		PROPOSED CROSS SECTION SHEET		SCALE:		SHEET OF SHEETS		STA. 1009+50.00 TO STA. 1010+25.00		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
PLOT SCALE = 1/8" = 1'		PLOT DATE = 1/7/2016		DRAWN		REVISOR		COOK		13-00270-00-CH		393		341		CONTRACT NO. 61C32		ILLINOIS FED. AID PROJECT									

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS AS _____
 AREAS CHECKED _____
 NO. _____

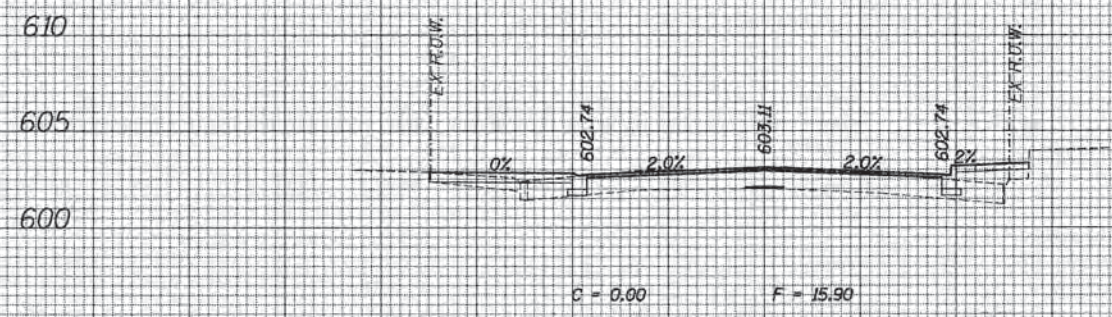
DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
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 NOTE BOOK _____
 AREAS AS _____
 AREAS CHECKED _____
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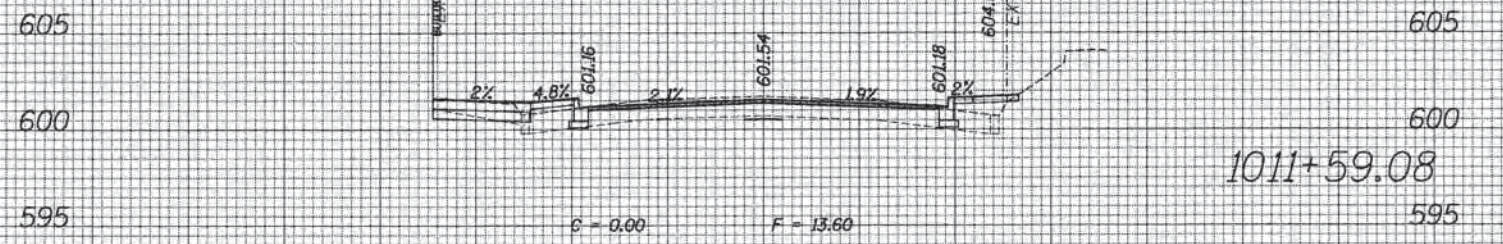
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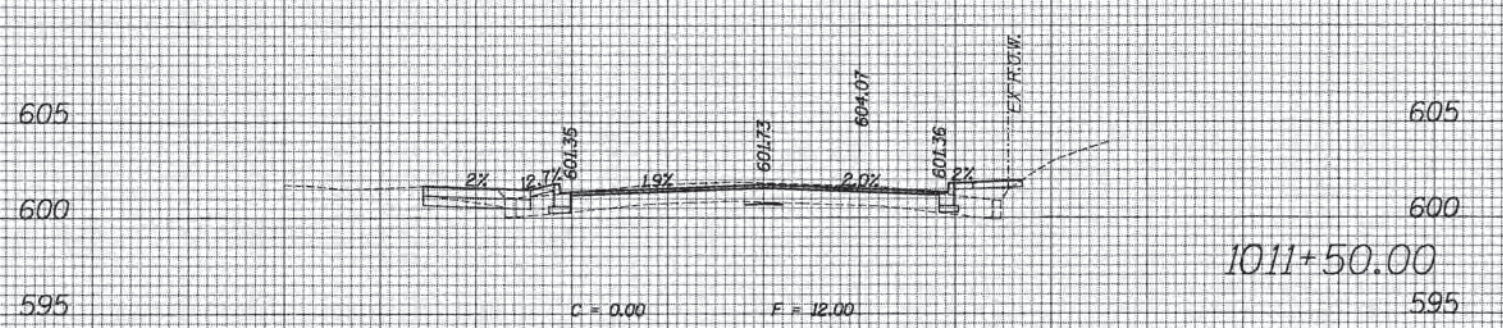
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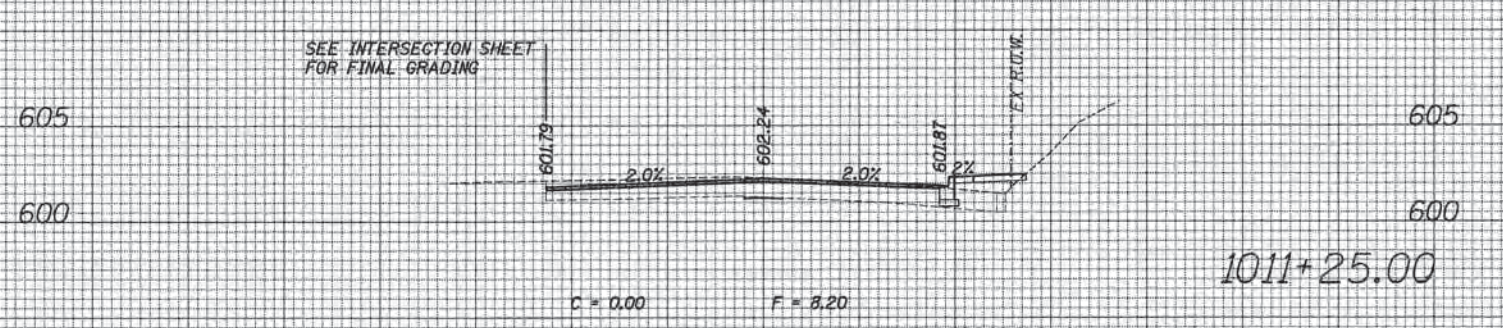
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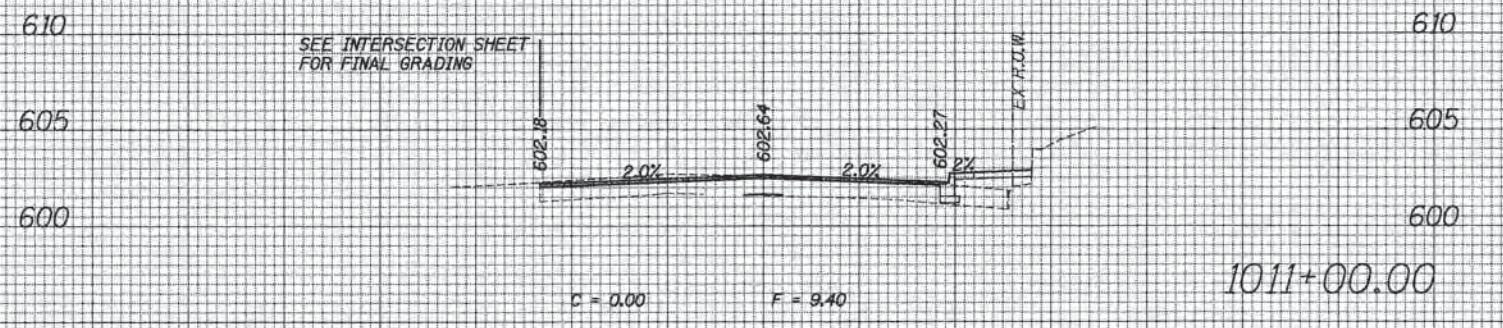
1011+59.08



1011+50.00



1011+25.00



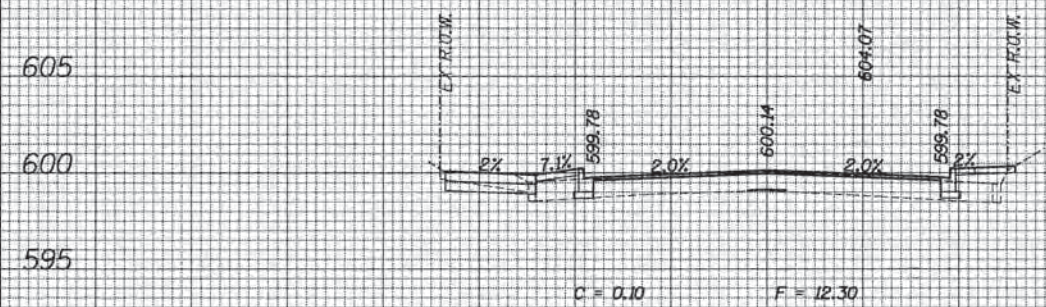
1011+00.00

GREEN BAY ROAD

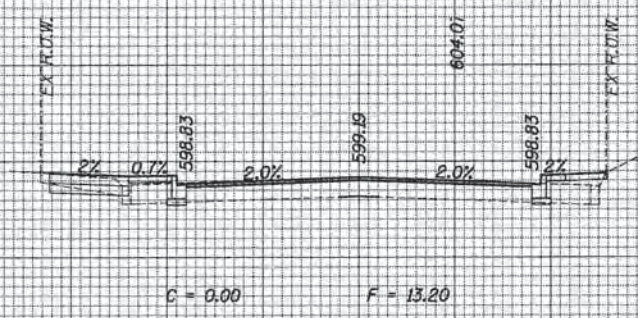
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ESI CONSULTANTS, LTD. USER NAME = bhernsch DESIGNED _____ DRAWN _____ PLOT SCALE = 18,0000 1" / 100' CHECKED _____ PLOT DATE = 1/7/2016 DATE _____															STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION					PROPOSED CROSS SECTION SHEET SCALE: SHEET OF SHEETS STA. 1010+50.00 TO STA. 1011+59.08					F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 13-00270-00-CH COOK 393 342 CONTRACT NO. 61C32 ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY PLOTTED	
NOTE BOOK AREAS CHECKED	
NO.	

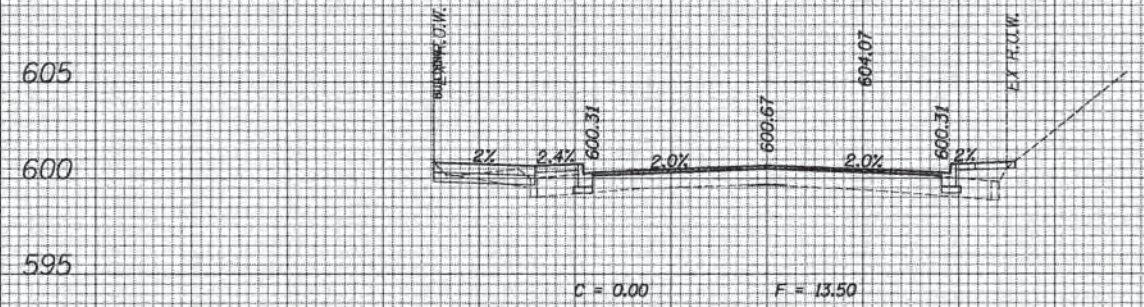
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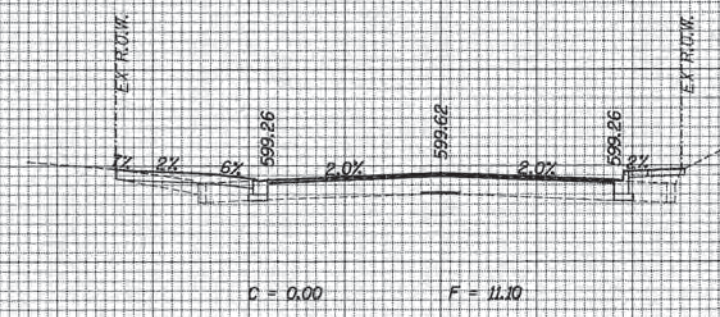
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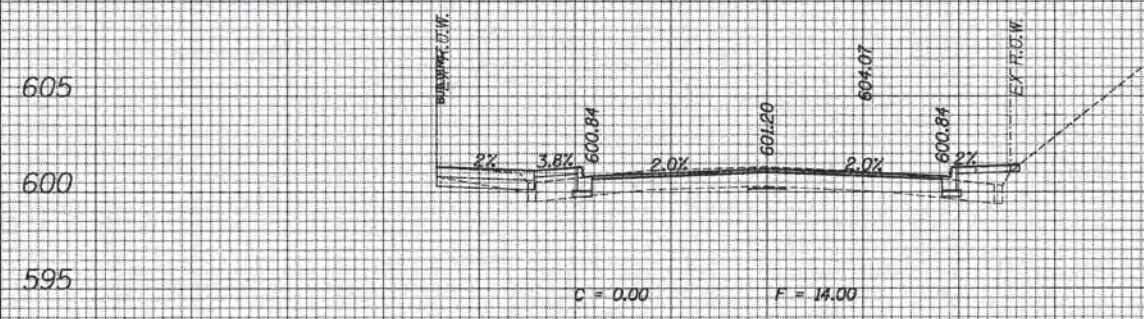
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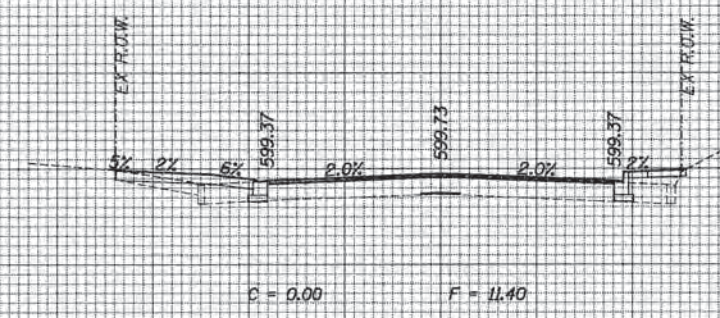
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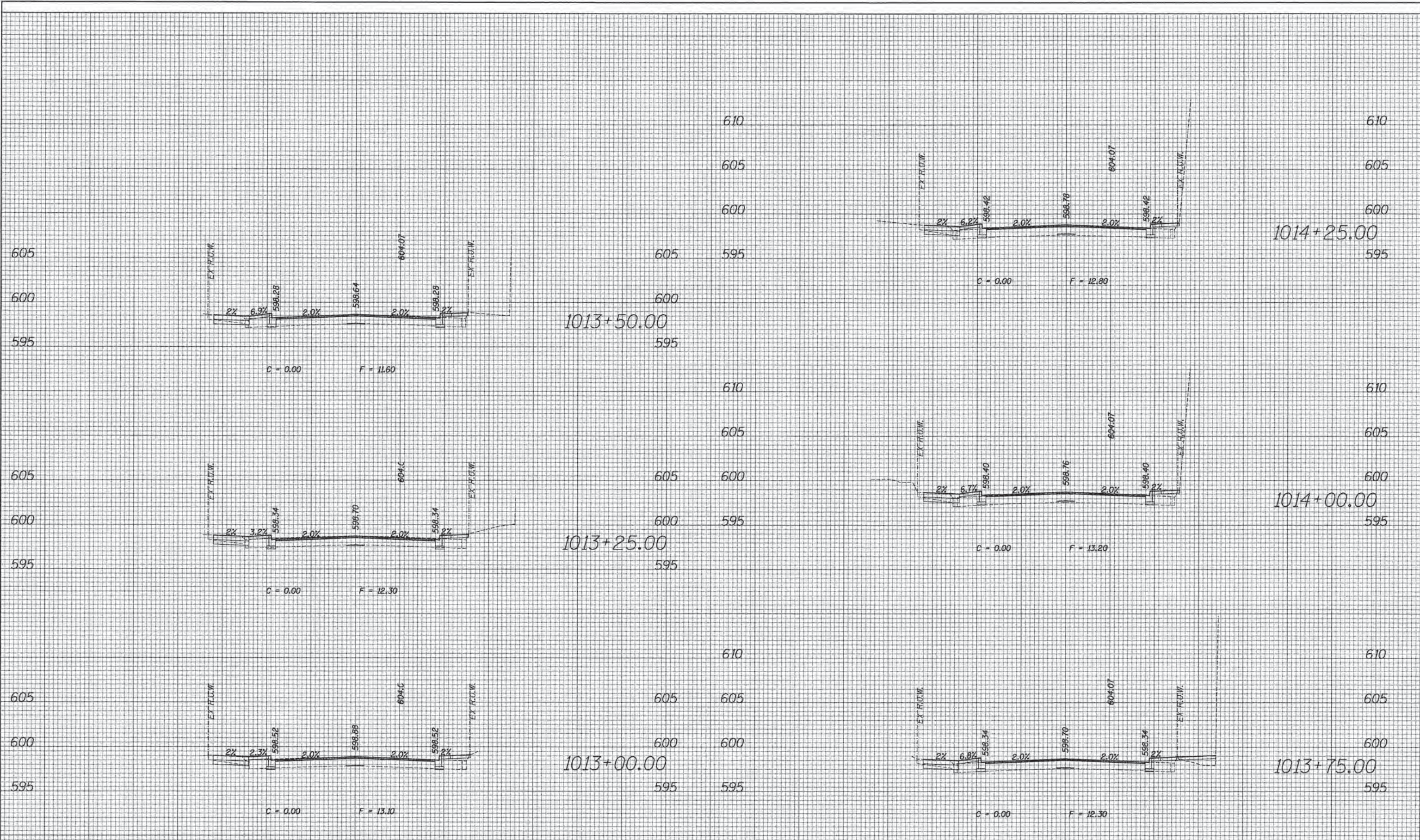
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GREEN BAY ROAD

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ESI CONSULTANTS, LTD. 1775 W. 14th Street, Suite 100 Chicago, IL 60604 (773) 233-8800 www.esiconsultants.com												USER NAME = bhmr1schs DESIGNED DRAWN CHECKED DATE			REVISED REVISED REVISED REVISED			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION						PROPOSED CROSS SECTION SHEET						F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.	
PLOT SCALE = 1/8" = 10'-0" / 1" = 100'-0" PLOT DATE = 1/7/2016																								13-00270-00-CH COOK 393 343							
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DATE	
BY	
REVISIONS	
FINAL SURVEY	
NOTE BOOK	
PLANNING	
DESIGN	
CONSTRUCTION	
AS-BUILT	

DATE	
BY	
REVISIONS	
ORIGINAL SURVEY	
NOTE BOOK	
PLANNING	
DESIGN	
CONSTRUCTION	
AS-BUILT	



GREEN BAY ROAD

ESI
ESI CONSULTANTS, LTD.
1000 N. WASHINGTON ST.
CHICAGO, IL 60610
TEL: 312.329.8000
WWW.ESI-CONSULTANTS.COM

USER NAME = bhanracha	DESIGNED	REVISED
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PLLOT DATE = 1/7/2016	CHECKED	REVISED
	DATE	REVISED

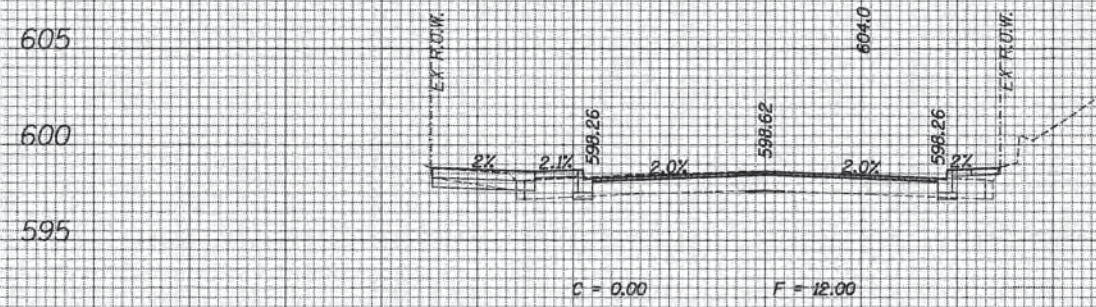
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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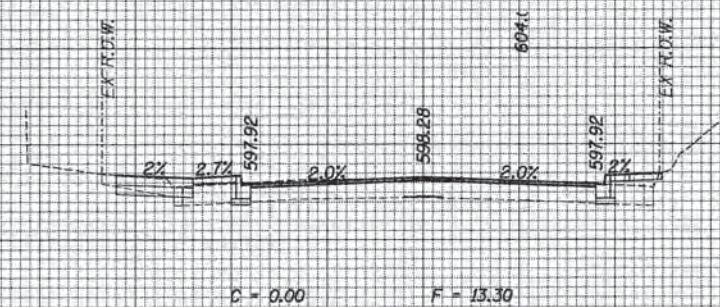
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CONTRACT NO. 61C32				
ILLINOIS FED. AID PROJECT				

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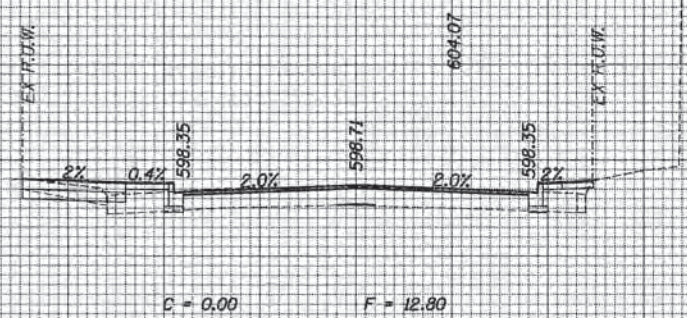
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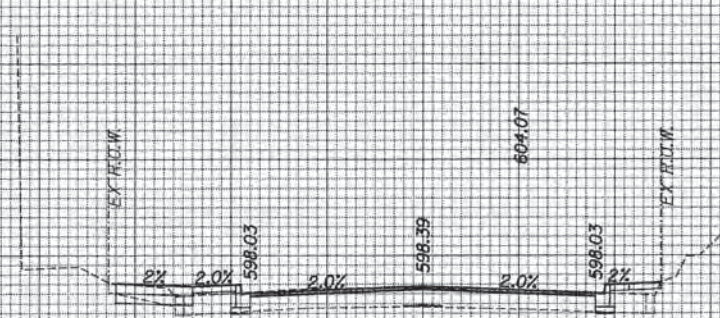
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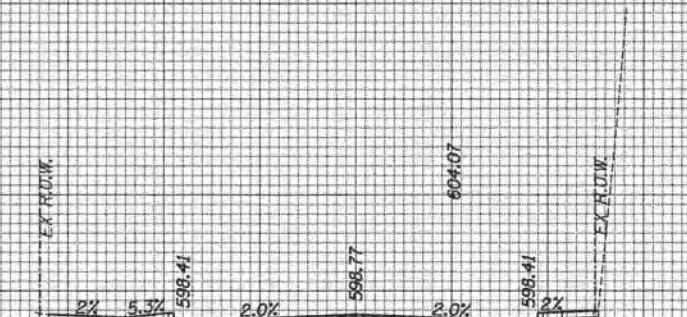
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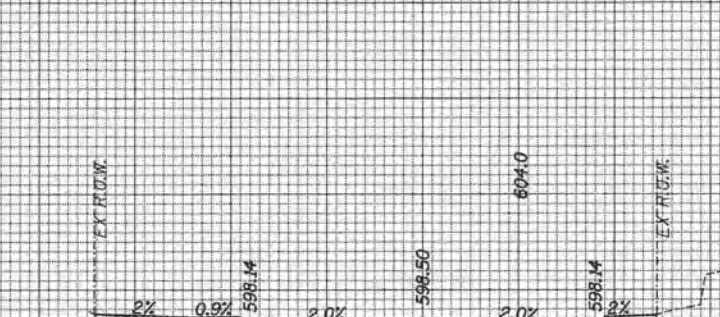
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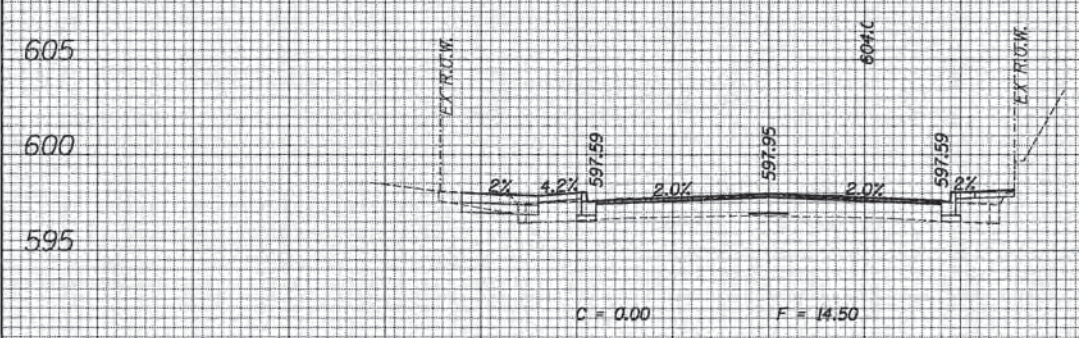
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GREEN BAY ROAD

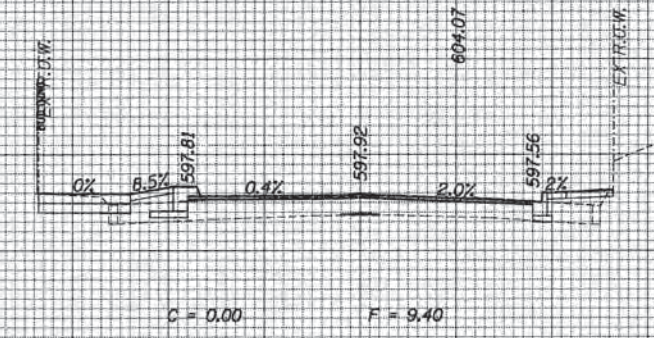
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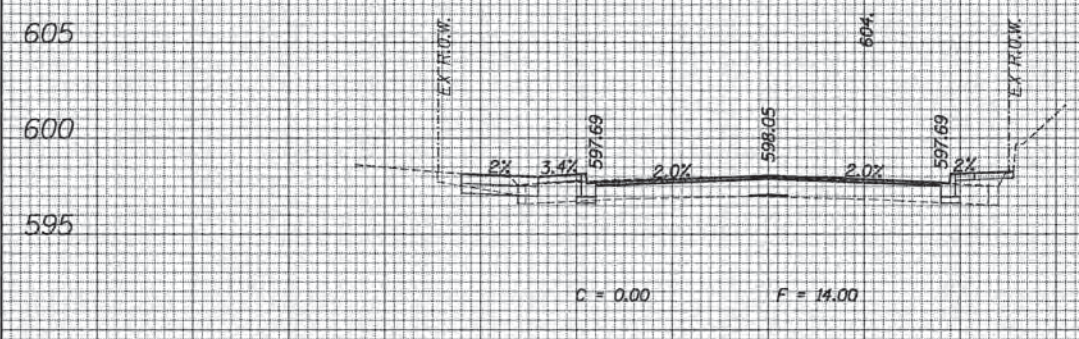
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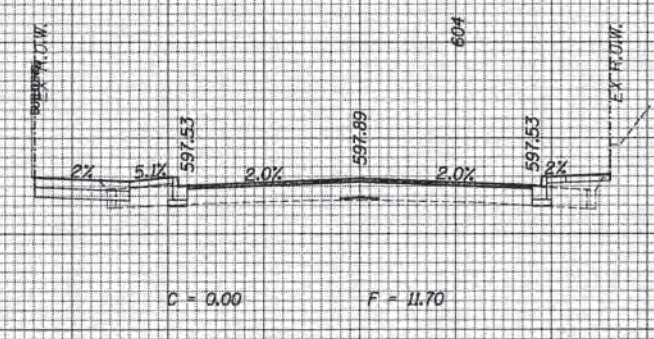
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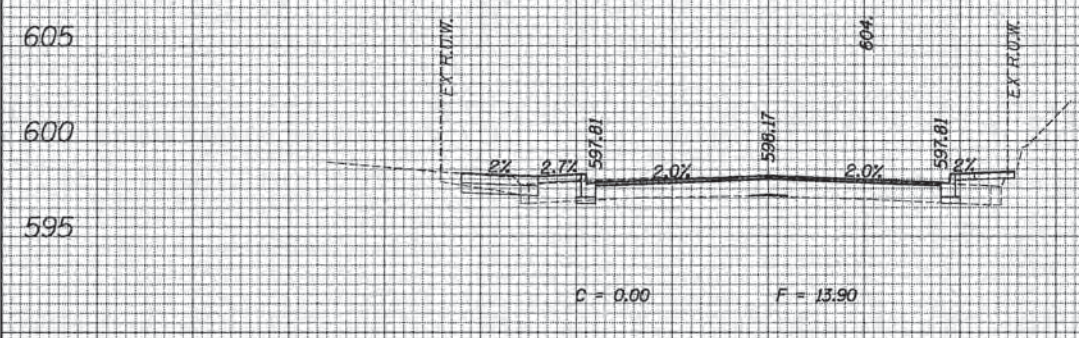
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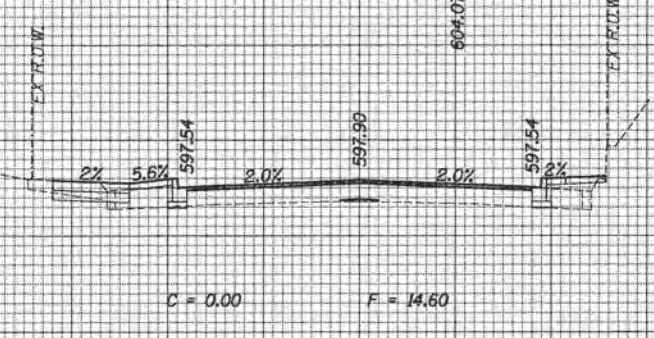
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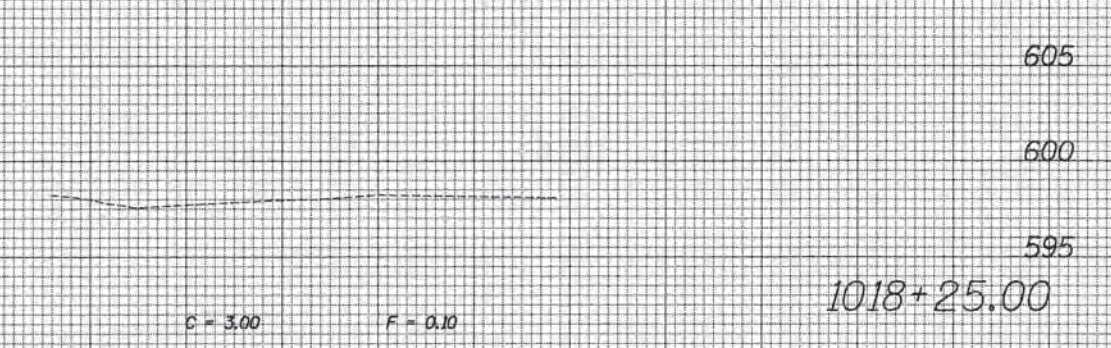
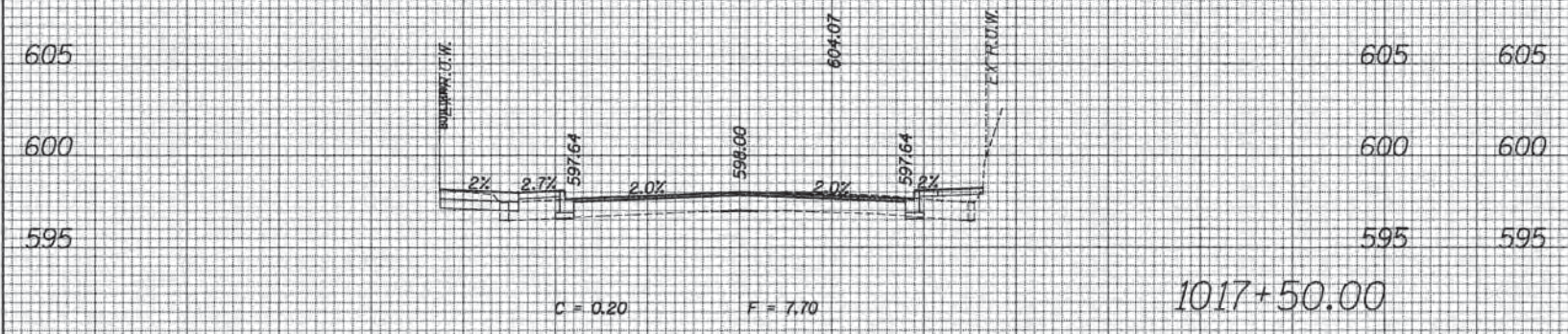
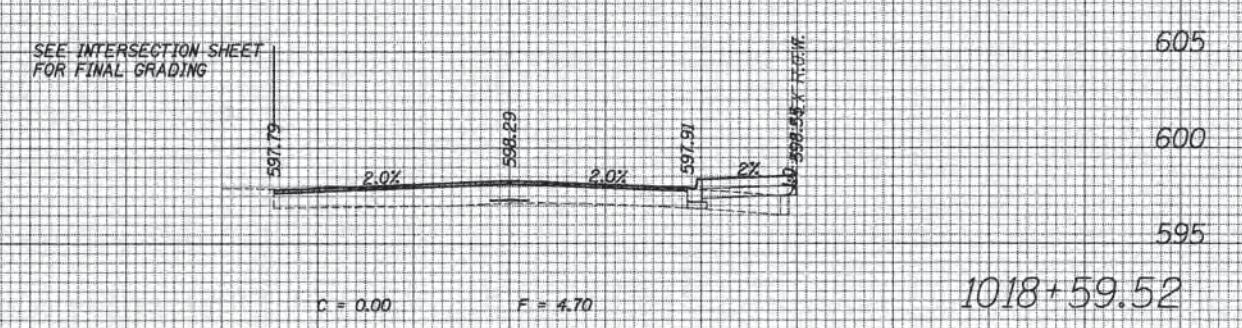
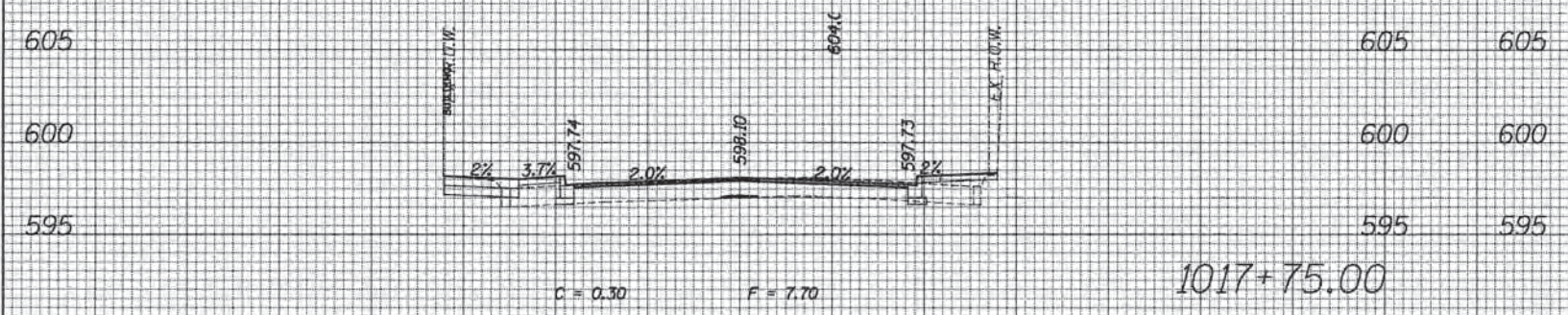
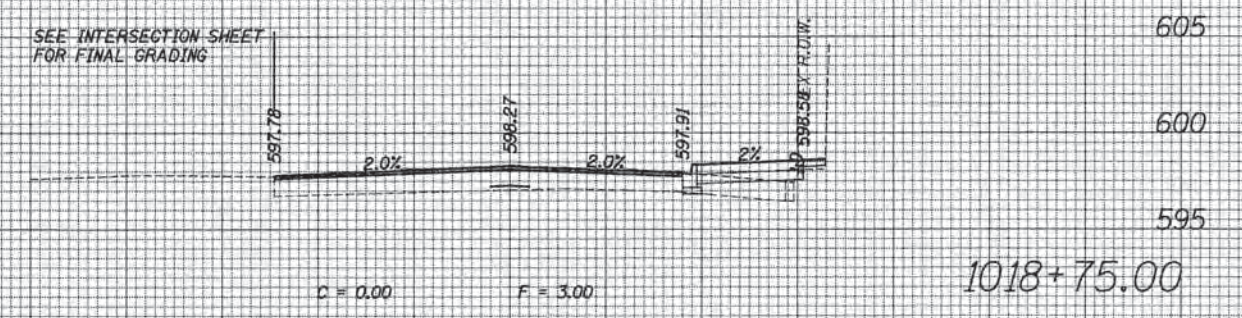
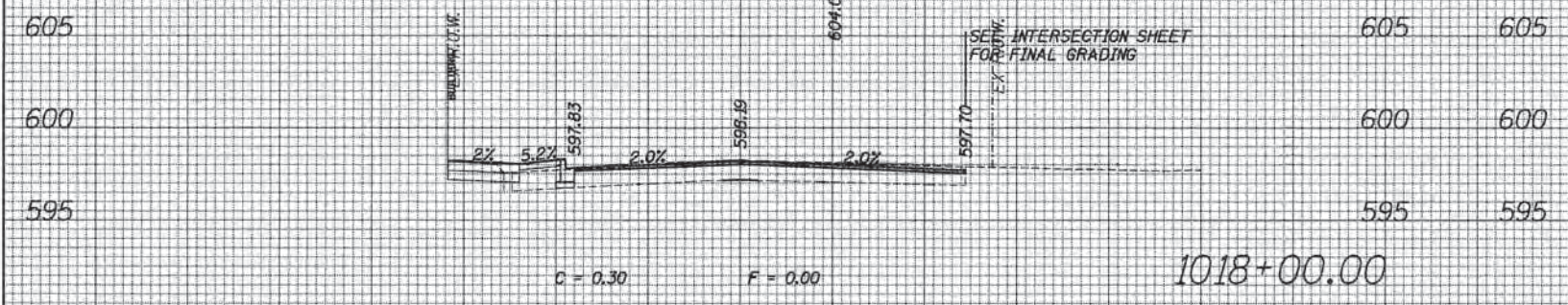
GREEN BAY ROAD

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ESI ESI CONSULTANTS, LTD. <small>1000 N. WILSON AVENUE, SUITE 200, DEERFIELD, IL 60015</small> <small>TEL: 847.480.0800 FAX: 847.480.0801</small>												USER NAME = bhenrichs DESIGNED DRAWN CHECKED DATE		REVISED REVISED REVISED REVISED		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				PROPOSED CROSS SECTION SHEET				F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.			
PLOT SCALE = 1/8" = 1'-0" PLOT DATE = 1/7/2016																SCALE: SHEET OF SHEETS STA. 1016+00.00 TO STA. 1017+25.00				13-00270-00-CH COOK 393 346							
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BY
REVISIONS
NO.
FINN SURVEY
BOOK
NO.
NOTE BOOK
NO.
PLATE
NO.
AREAS CHECKED

DATE
BY
REVISIONS
NO.
ORIGINAL SURVEY
BOOK
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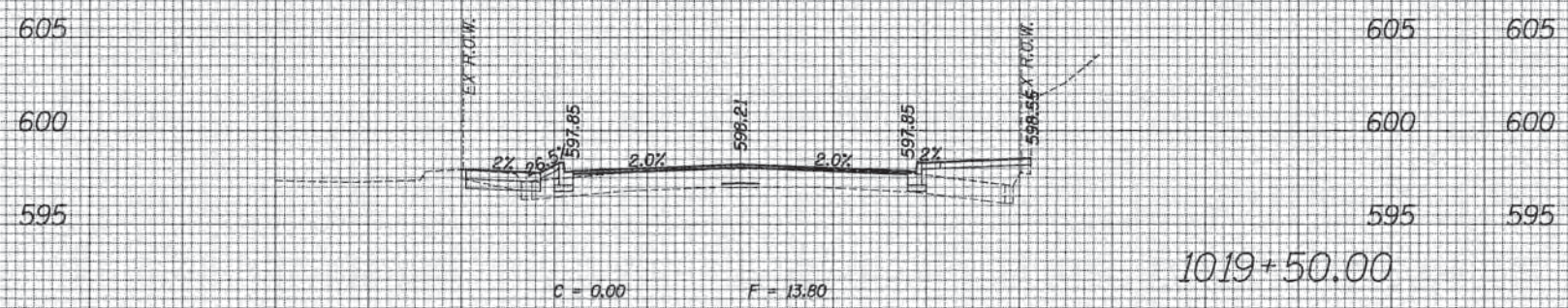
GREEN BAY ROAD

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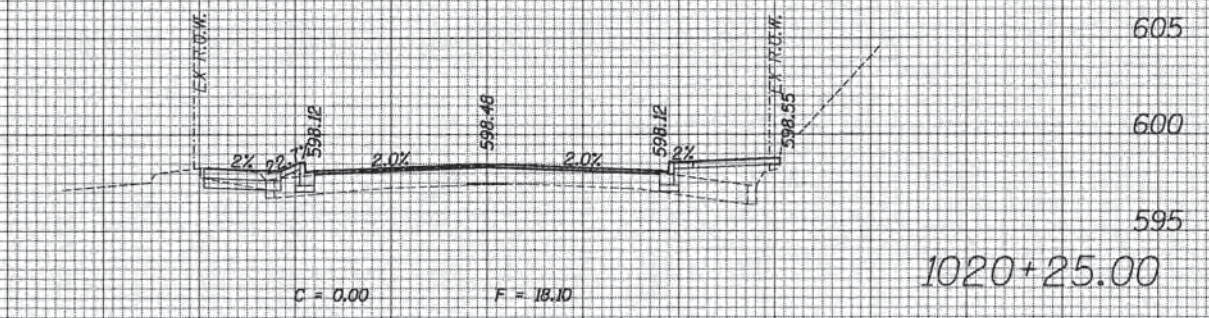
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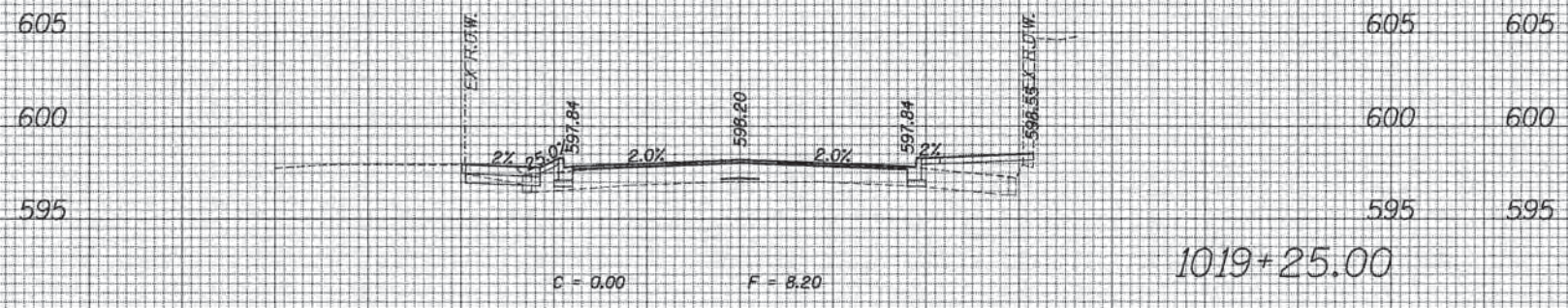
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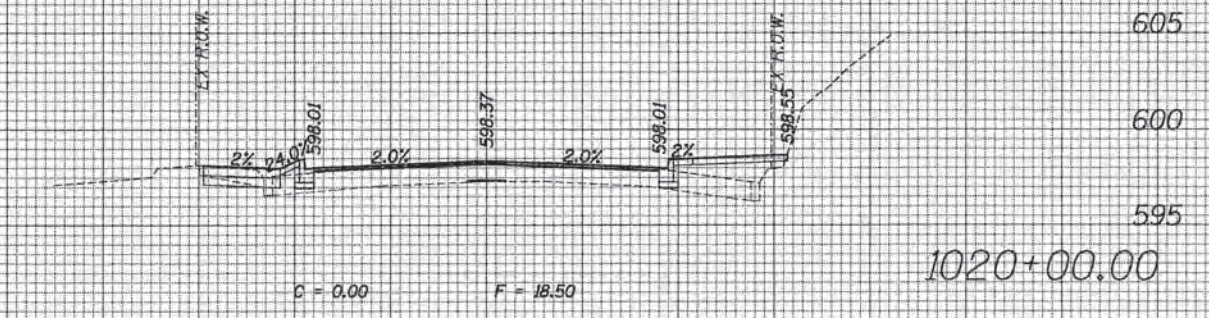
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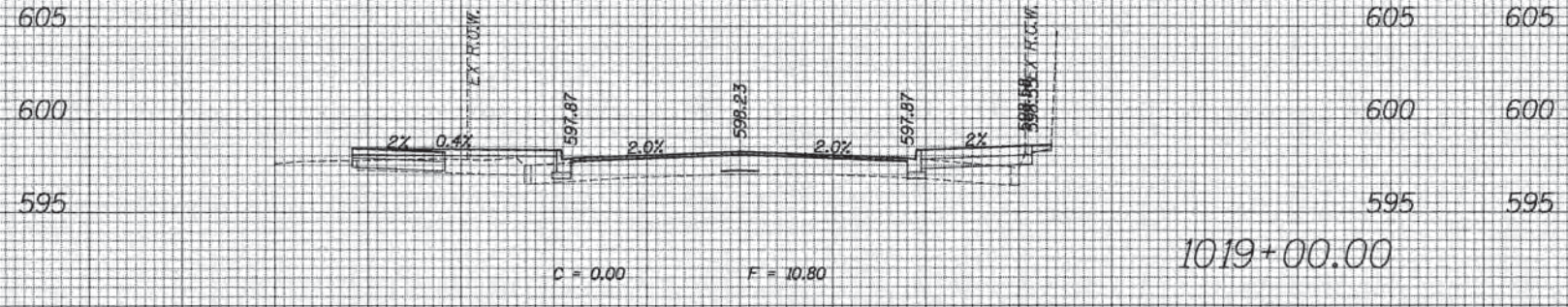
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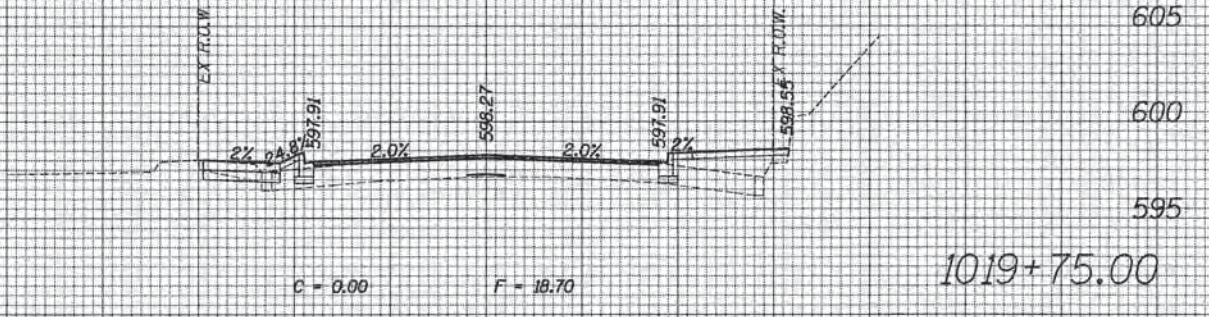
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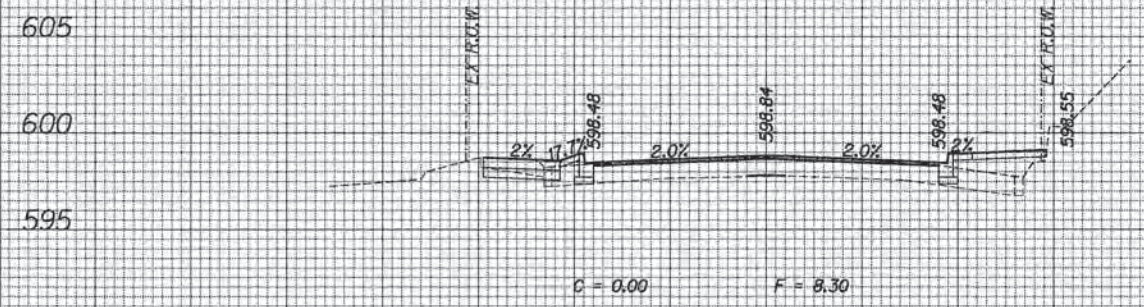
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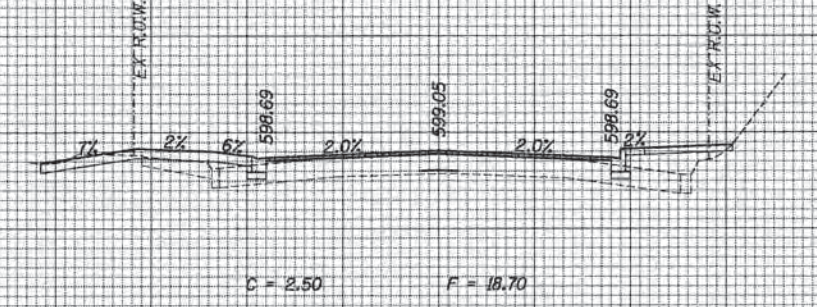
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<p>USER NAME = bharrish</p> <p>DESIGNED</p> <p>DRAWN</p> <p>CHECKED</p> <p>DATE</p>												<p>REVISOR</p> <p>REVISION</p> <p>REVISION</p> <p>REVISION</p>												<p>SCALE: SHEET OF SHEETS STA. 1019+00.00 TO STA. 1020+25.00</p>															

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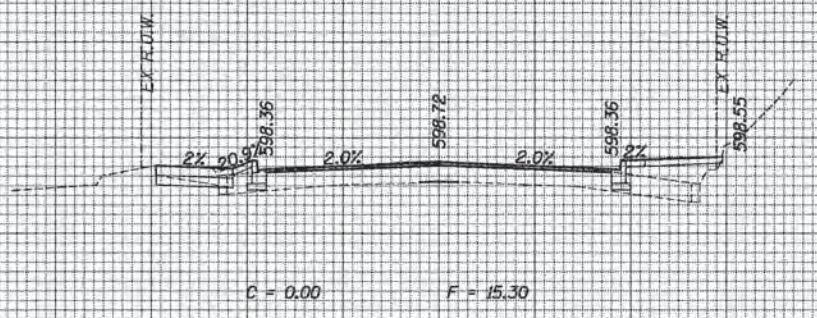
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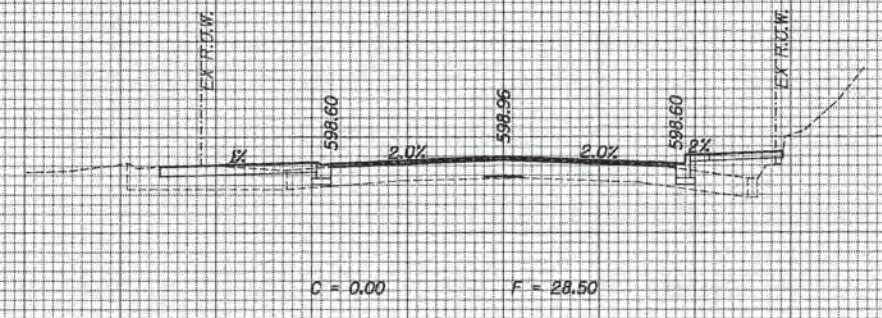
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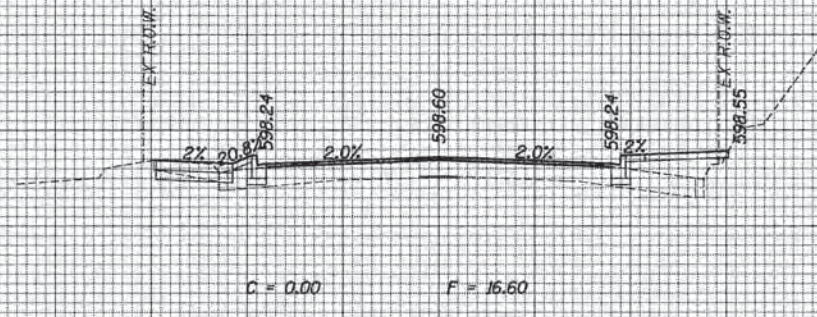
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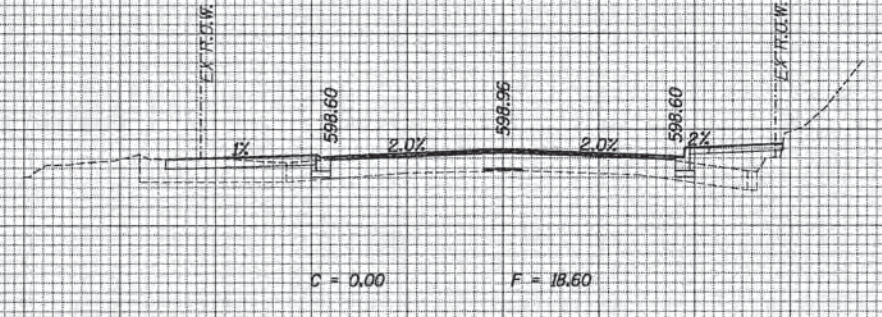
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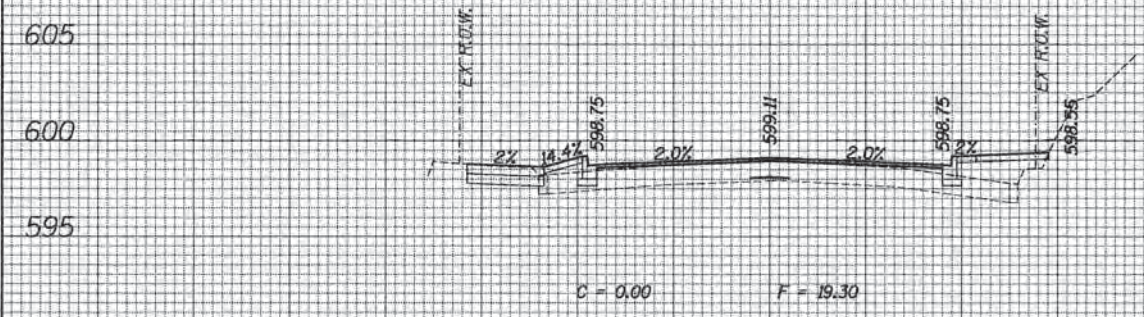
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GREEN BAY ROAD

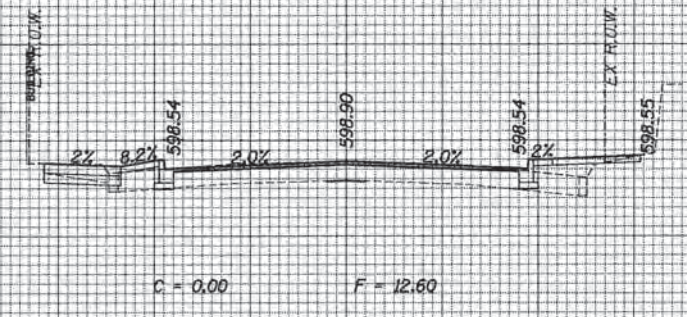
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															STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION										PROPOSED CROSS SECTION SHEET										<table border="1"> <tr><td>F.A. RTE.</td><td>SECTION</td><td>COUNTY</td><td>TOTAL SHEETS</td><td>SHEET NO.</td></tr> <tr><td></td><td>13-00270-00-CH</td><td>COOK</td><td>393</td><td>349</td></tr> <tr><td colspan="4"></td><td>CONTRACT NO. 61C32</td></tr> <tr><td colspan="5">ILLINOIS FED. AID PROJECT</td></tr> </table>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		13-00270-00-CH	COOK	393	349					CONTRACT NO. 61C32	ILLINOIS FED. AID PROJECT				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																																																						
	13-00270-00-CH	COOK	393	349																																																						
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ILLINOIS FED. AID PROJECT																																																										
USER NAME = bheneshe DESIGNED DRAWN CHECKED DATE															REVISED REVISED REVISED REVISED										SCALE: SHEET OF SHEETS STA. 1020+50.00 TO STA. 1021+50.00																																	

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BY	
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TEMPLATE	
NOTE BOOK	
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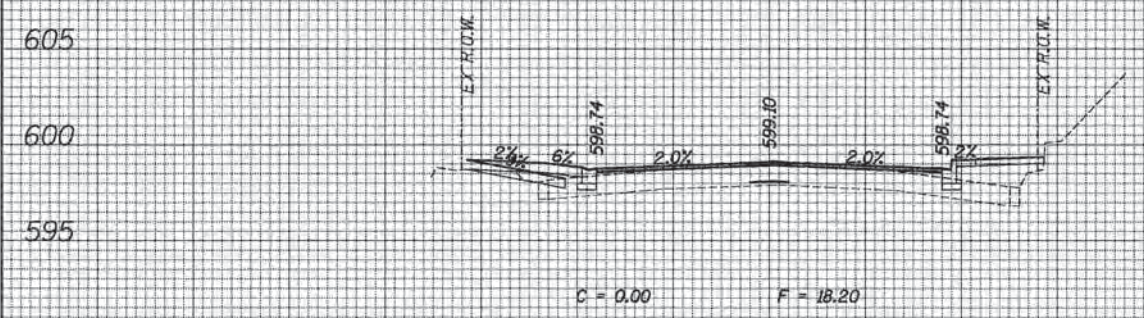
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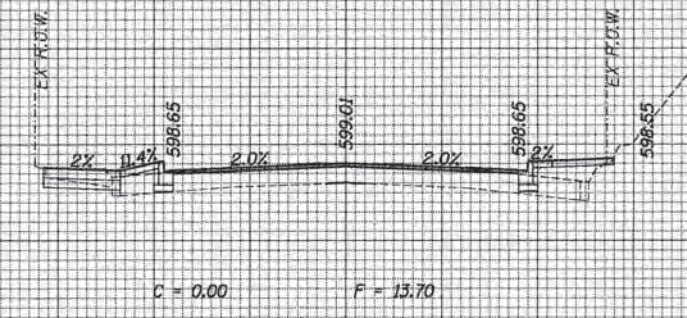
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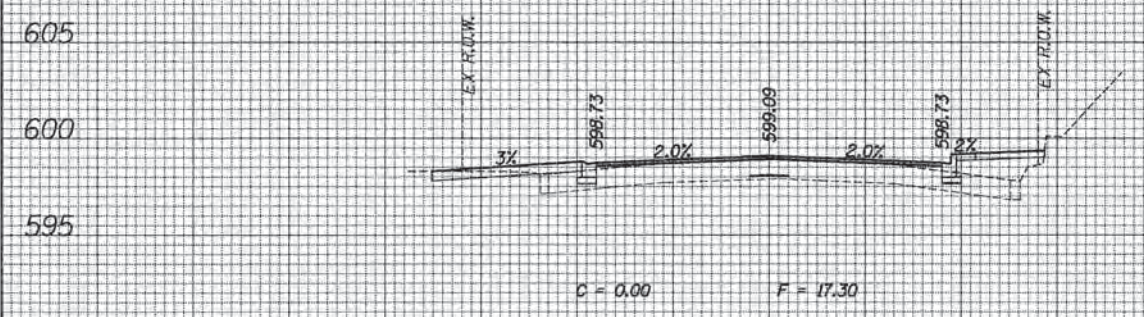
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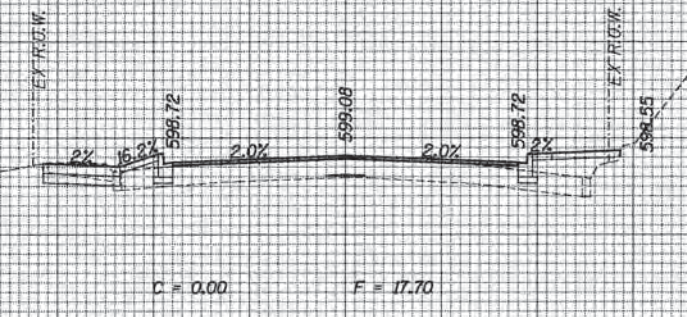
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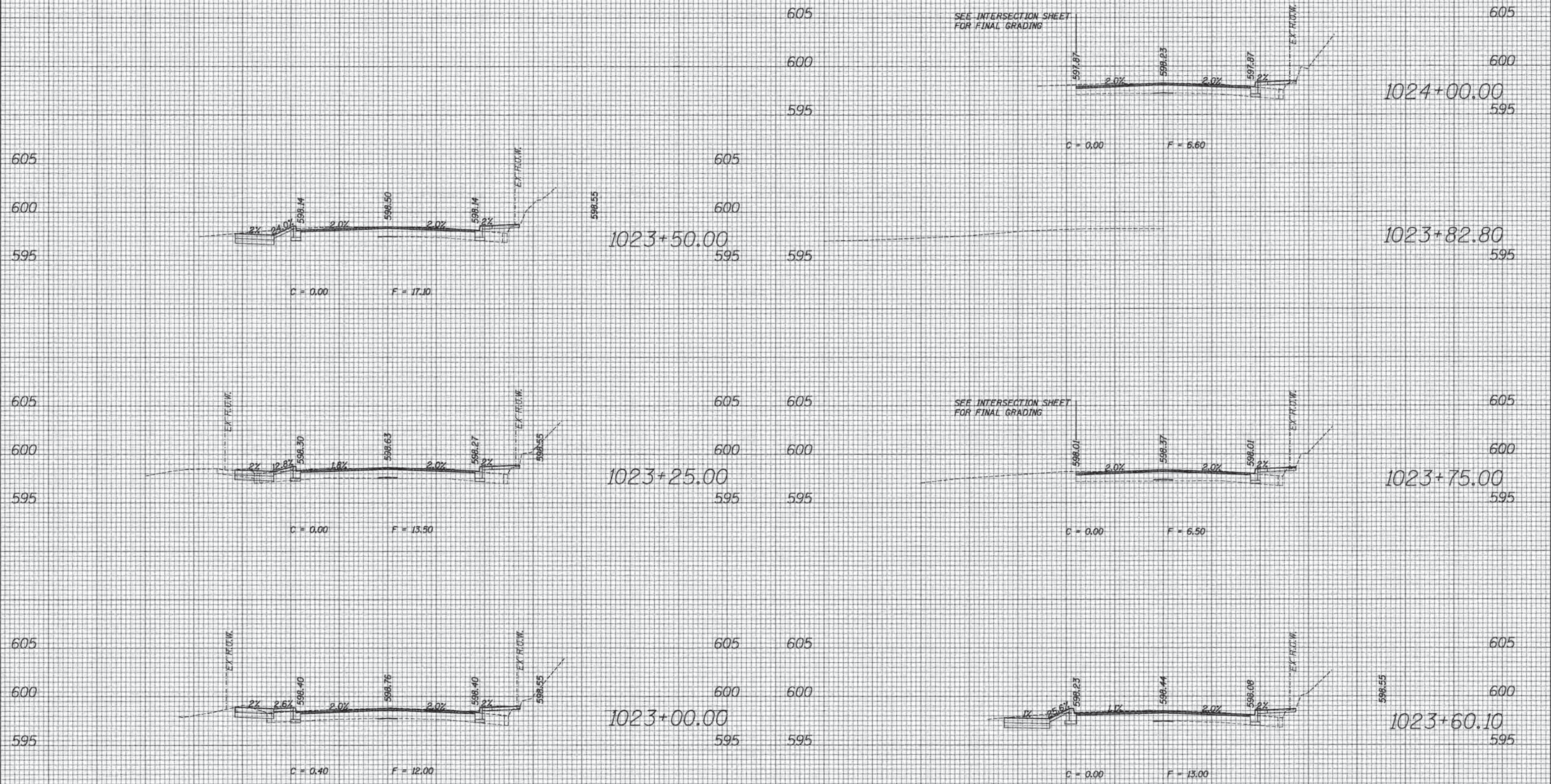
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GREEN BAY ROAD

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ESI ESI CONSULTANTS, LTD. <small>1075 MILL CREEK DRIVE DEERFIELD, ILLINOIS 60015</small>												USER NAME = bhennzcha DESIGNED DRAWN CHECKED DATE				REVISED REVISED REVISED REVISED				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				PROPOSED CROSS SECTION SHEET SCALE: SHEET OF SHEETS STA. 1021+64.65 TO STA. 1022+75.00				F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 13-00270-00-CH COOK 393 350	
PLOT SCALE = 1/8" = 10'-0" PLOT DATE = 1/7/2016																								CONTRACT NO. 61C32 ILLINOIS FED. AID PROJECT					

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



GREEN BAY ROAD

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CROSS SECTION SHEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00270-00-CH	COOK	393	351
CONTRACT NO. G1C32			ILLINOIS FED. AID PROJECT	

ESI CONSULTANTS, LTD.
1100 W. FULLER AVENUE, SUITE 100
DEERFIELD, ILLINOIS 60015

USER NAME = bharrach	DESIGNED	REVISED
	DRAWN	REVISED
	CHECKED	REVISED
	DATE	REVISED

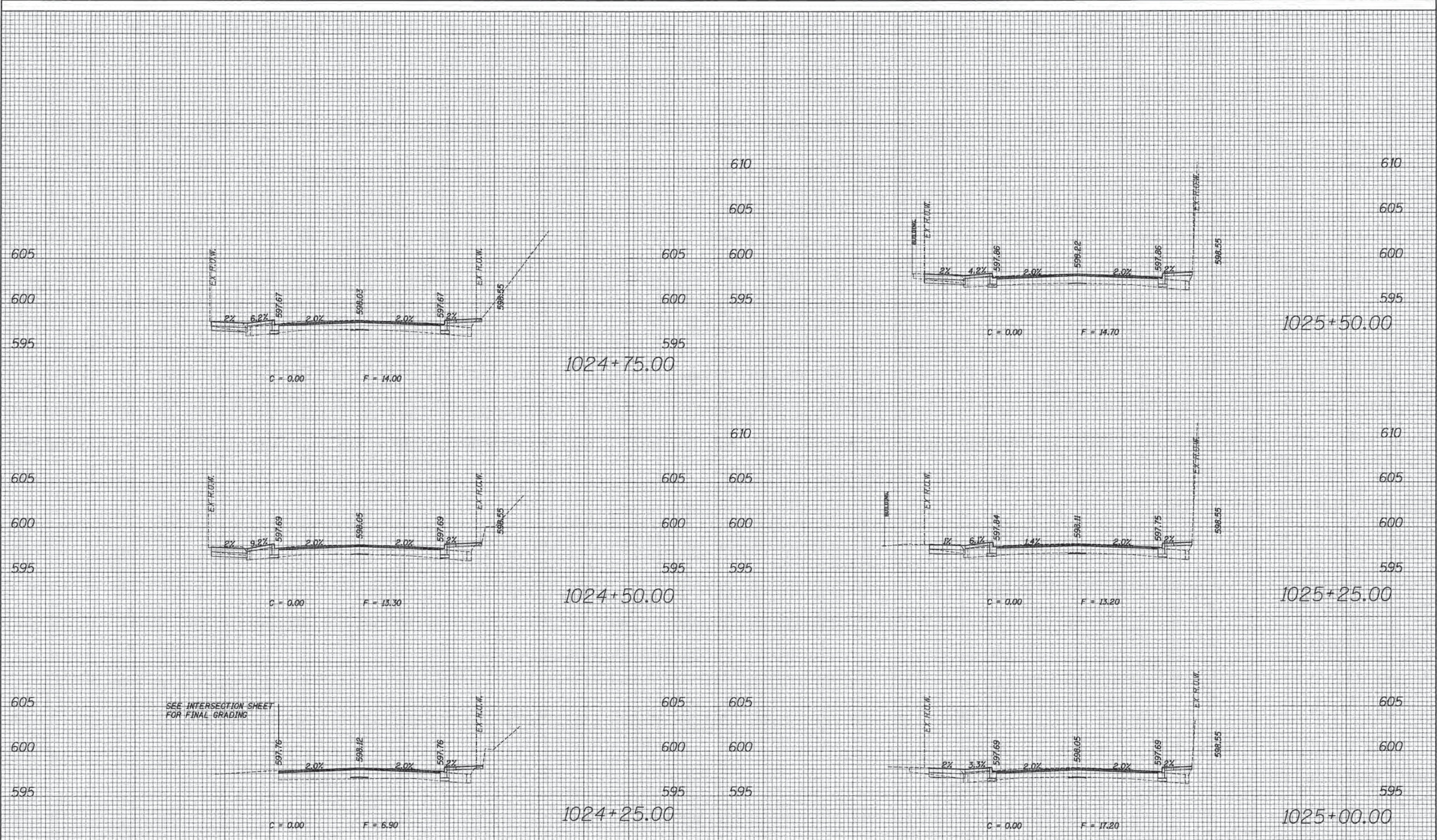
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BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
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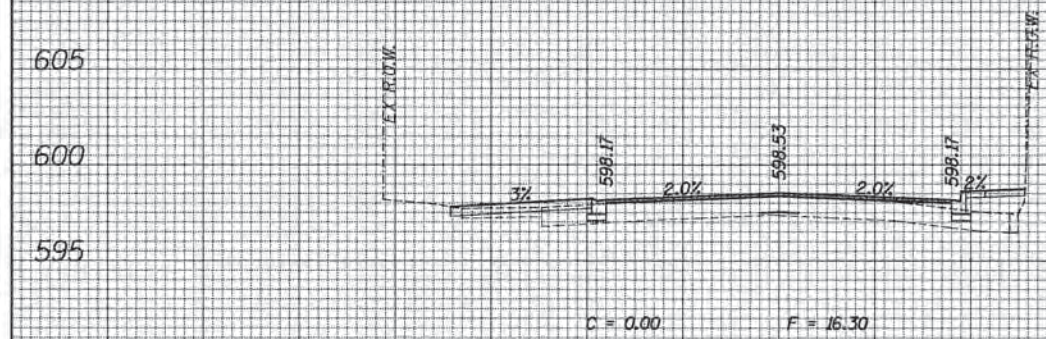


GREEN BAY ROAD

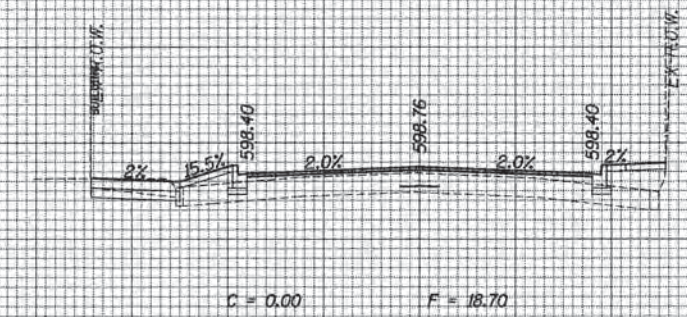
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ESI CONSULTANTS, L.T.D. USER NAME = bharrishs DESIGNED DRAWN CHECKED DATE PLOT SCALE = 1/8" = 1'-0" PLOT DATE = 1/7/2016															STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION					PROPOSED CROSS SECTION SHEET SCALE: SHEET OF SHEETS STA. 1024+25.00 TO STA. 1025+50.00					F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 13-00270-00-CH COOK 393 352 CONTRACT NO. 61C32 ILLINOIS FED. AID PROJECT				

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

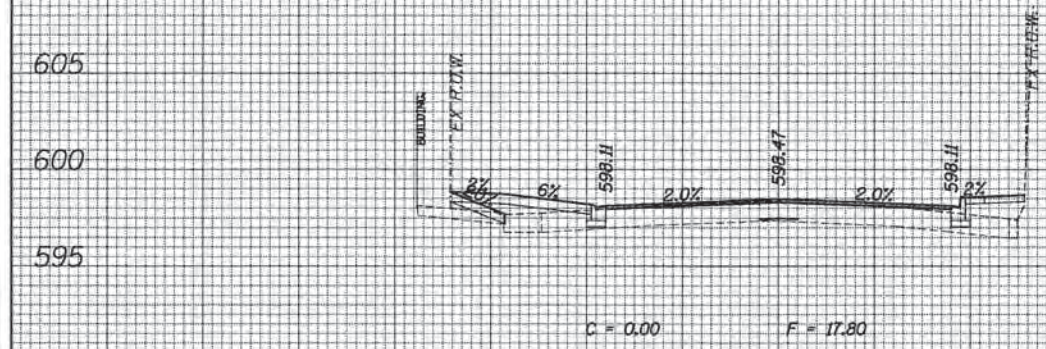
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SURVEYED	BY
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



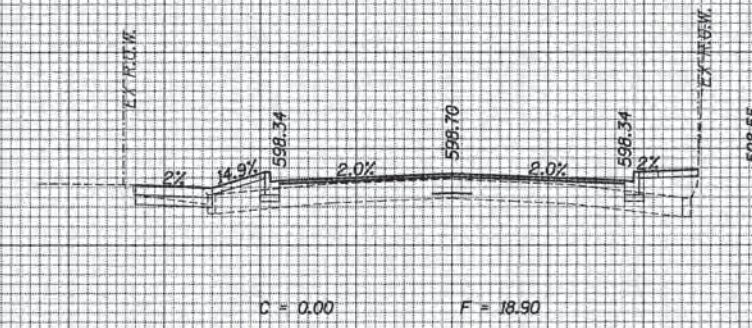
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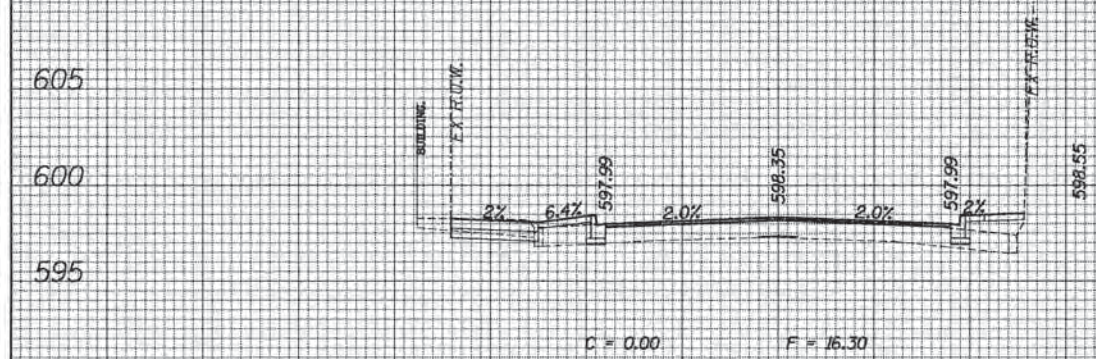
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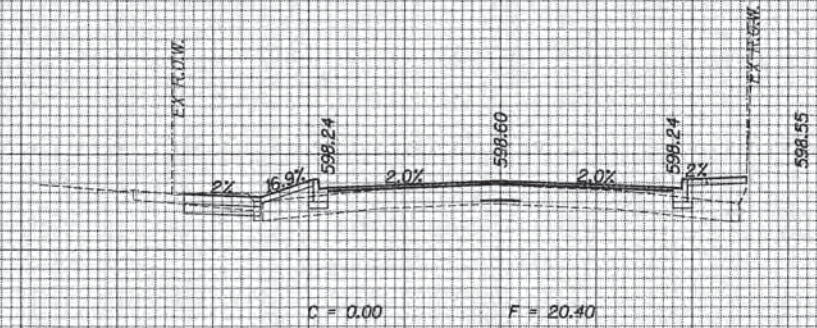
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605
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595
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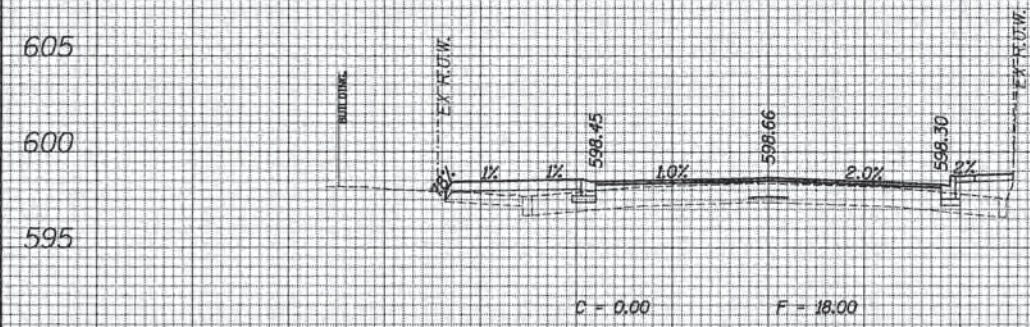
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GREEN BAY ROAD

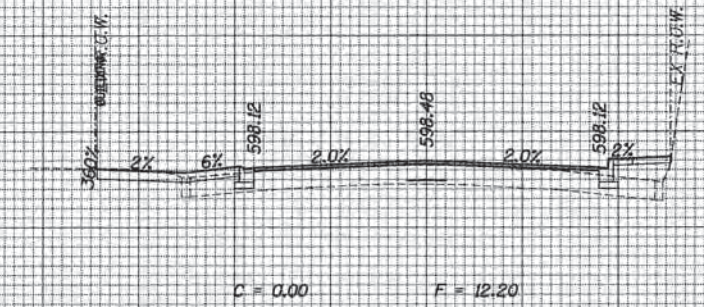
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DATE	
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NOTE BOOK	
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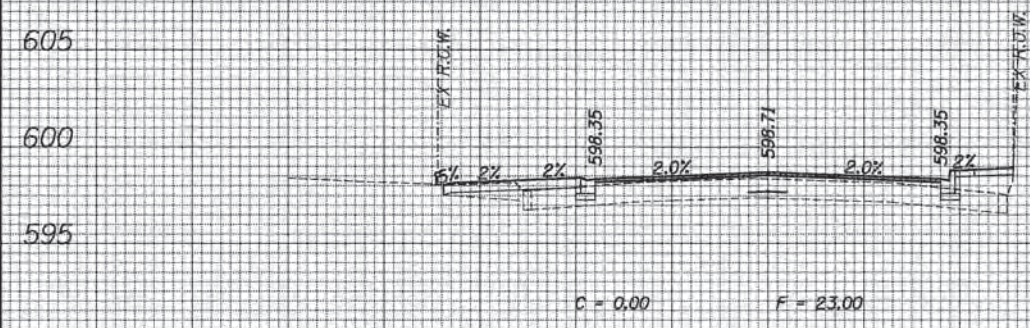
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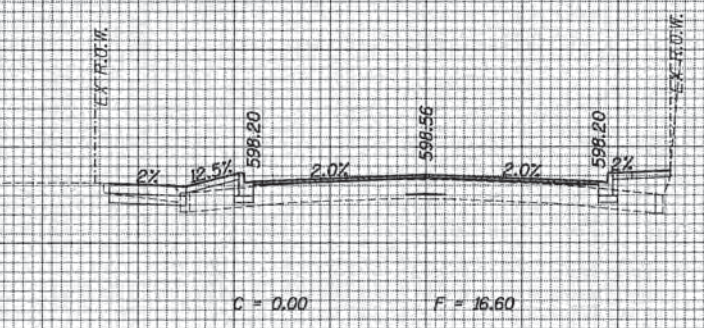
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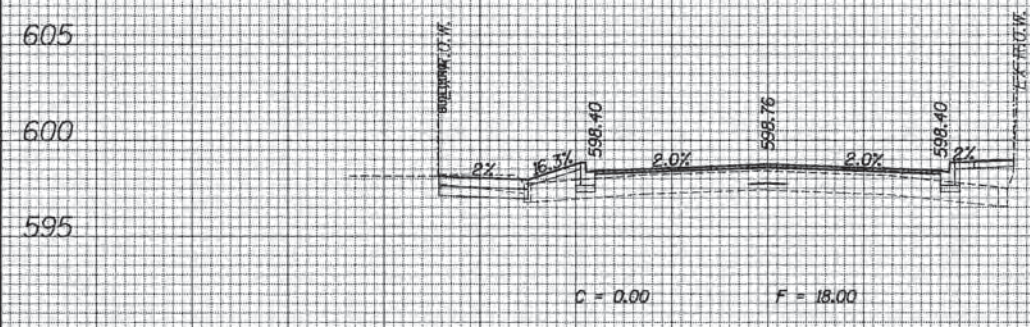
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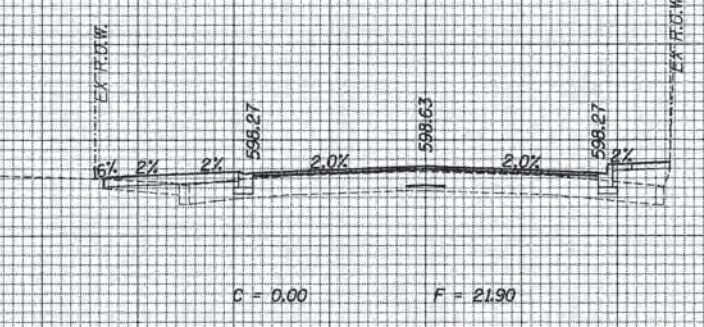
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1027+75.00
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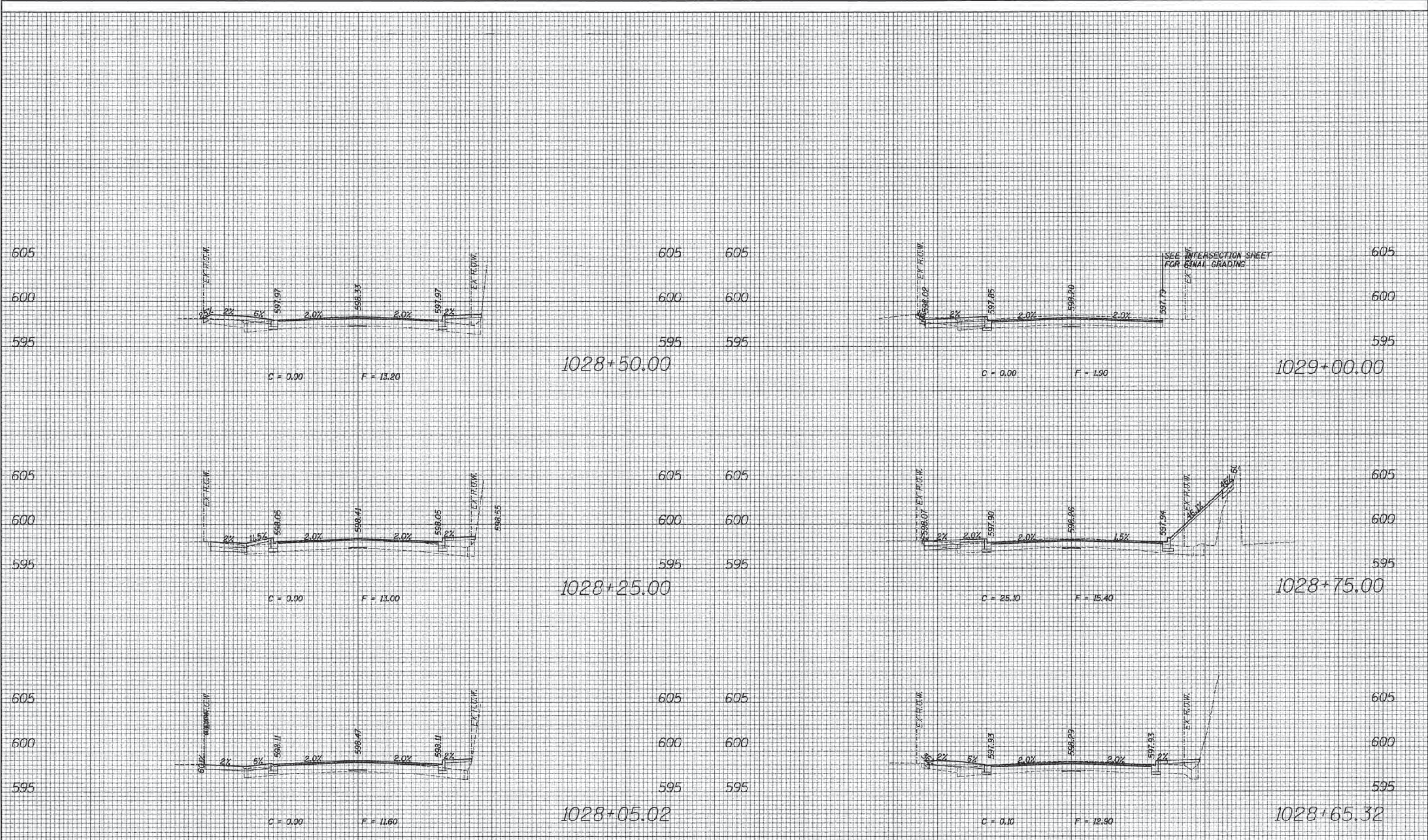
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GREEN BAY ROAD

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												STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION												PROPOSED CROSS SECTION SHEET												F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 13-00270-00-CH COOK 393 354 CONTRACT NO. 61C32 ILLINOIS FED. AID PROJECT			
USER NAME = bhenrichs DESIGNED DRAWN CHECKED DATE												REVISED REVISED REVISED REVISED												SCALE: SHEET OF SHEETS STA. 1027+00.00 TO STA. 1028+00.00															

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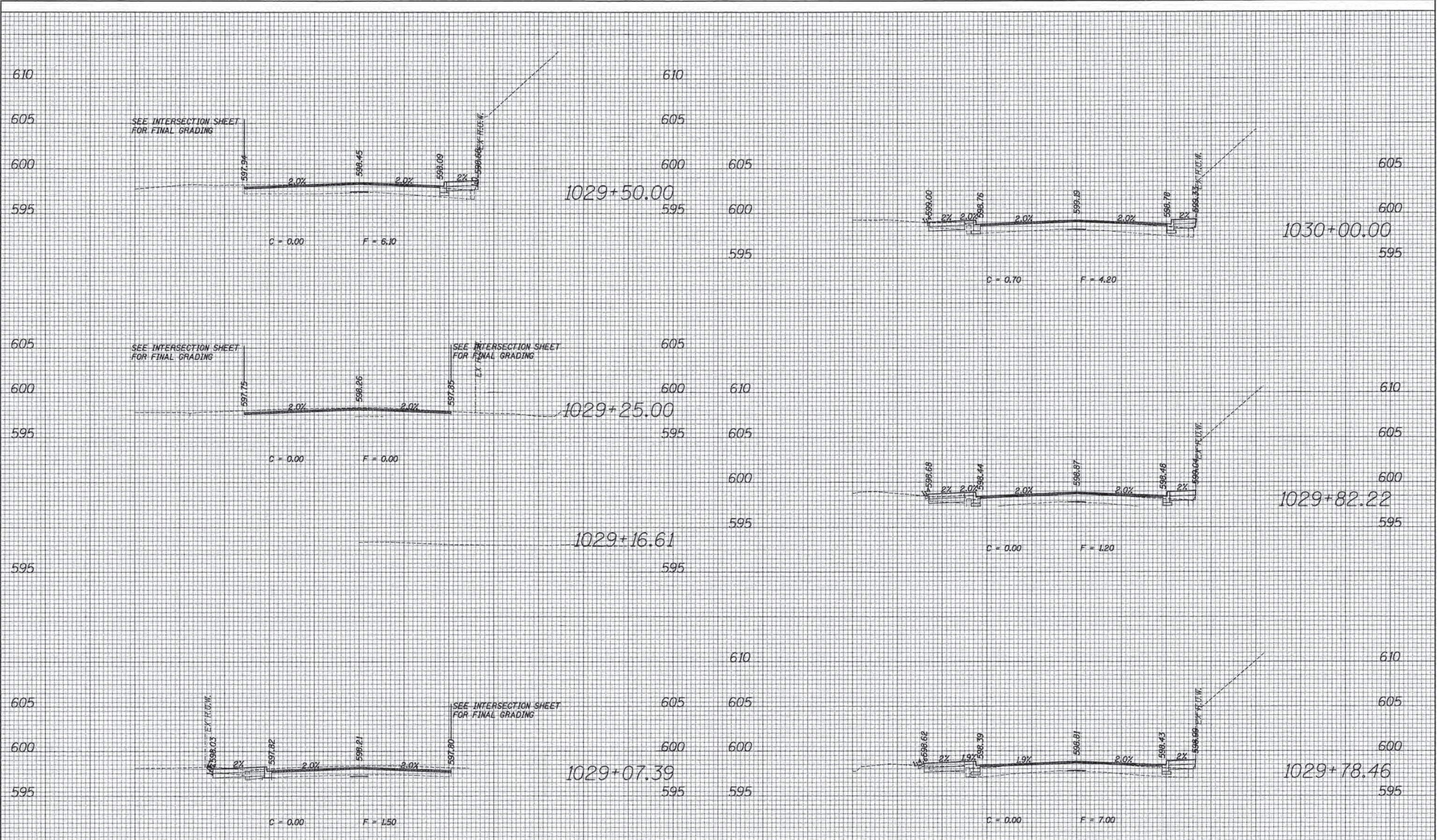


GREEN BAY ROAD

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ESI CONSULTANTS, LTD.														
USER NAME = bharricha			DESIGNED			REVISED			STATE OF ILLINOIS			PROPOSED CROSS SECTION SHEET		
DRAWN			CHECKED			DATE			DEPARTMENT OF TRANSPORTATION			SECTION		
PLOT SCALE = 10.0000' / 1" =			PLOT DATE = 1/7/2016						13-00270-00-CH			COUNTY		
									COOK			TOTAL SHEETS		
									CONTRACT NO. 61C32			SHEET NO.		
									ILLINOIS FED. AID PROJECT			393 355		

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NOTE BOOK	
AREAS CHECKED	
FINAL SURVEY	
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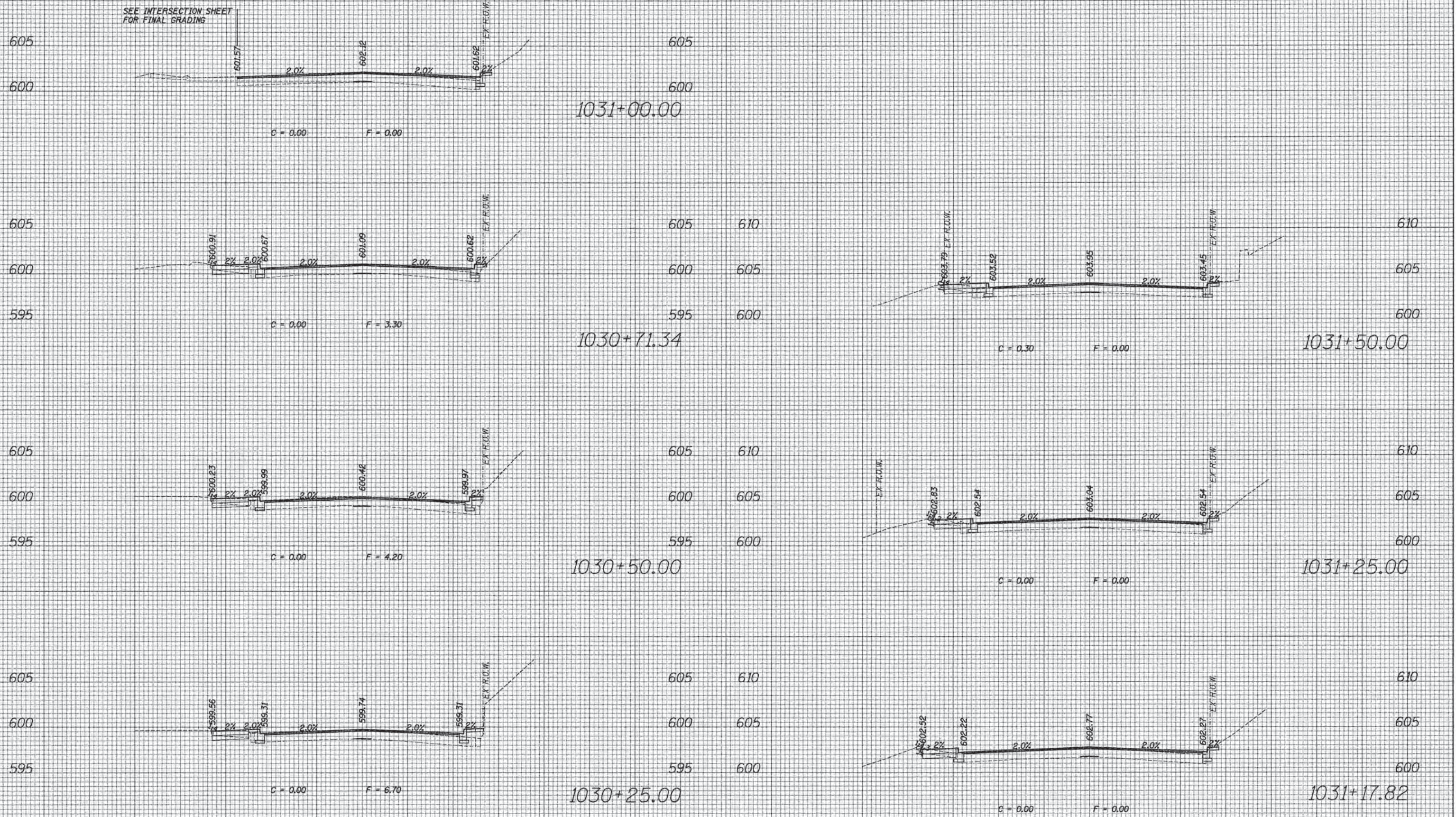


GREEN BAY ROAD

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ESI CONSULTANTS, LTD.		USER NAME = bhanscha		DESIGNED		REVISED		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION										PROPOSED CROSS SECTION SHEET				F.A. RTE.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
PLOT SCALE = 10.0000' / 1" =		DRAWN		REVISED		SCALE:												SHEET OF SHEETS				13-00270-00-CH		COOK		393		356			
PLOT DATE = 1/7/2016		CHECKED		REVISED		STA. 1029+07.39 TO STA. 1030+00.00																CONTRACT NO. 61C32		ILLINOIS FED. AID PROJECT							
		DATE		REVISED																											

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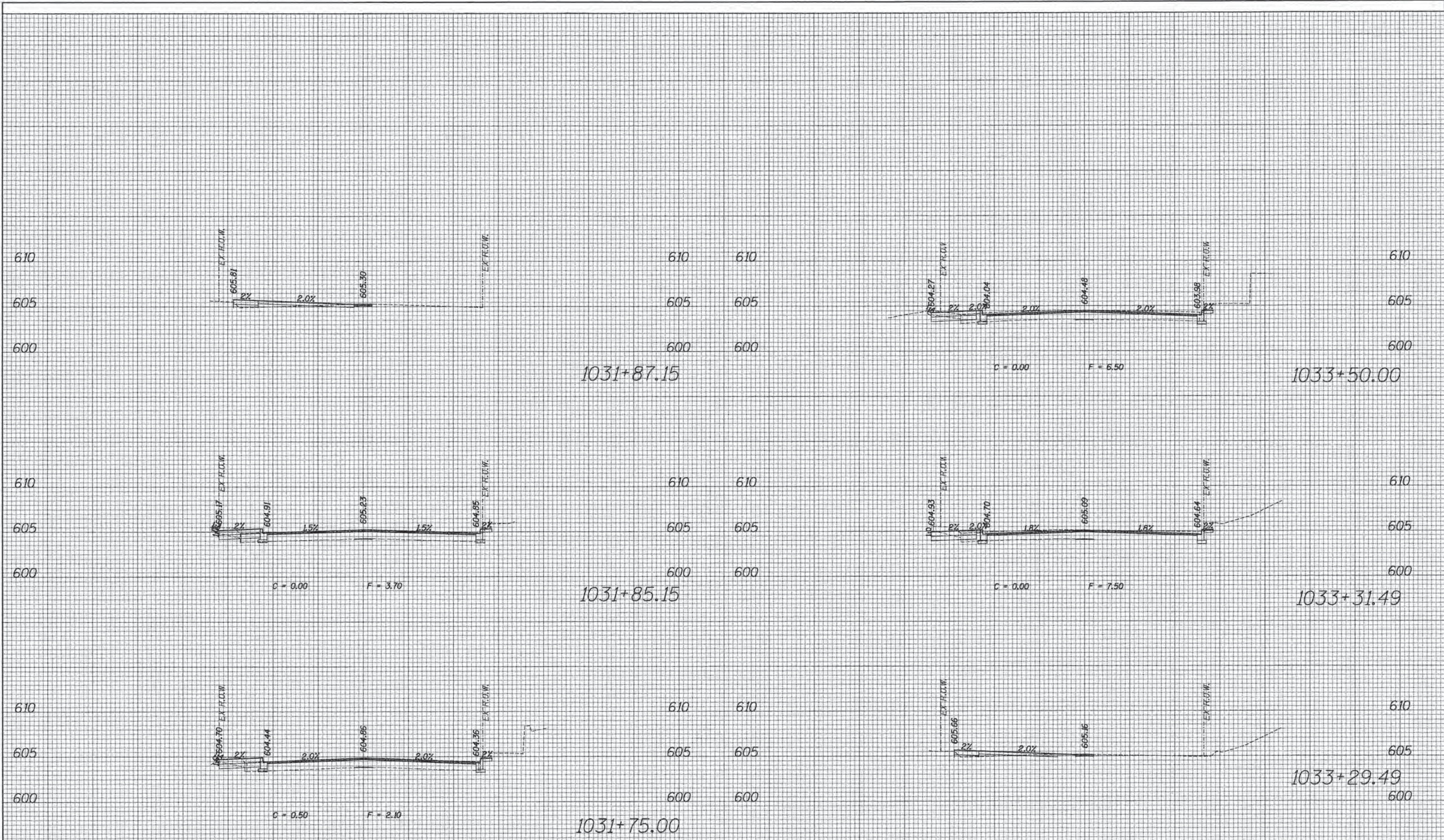


GREEN BAY ROAD

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ESI CONSULTANTS, LTD. USER NAME = bherrichs DESIGNED DRAWN CHECKED DATE PLOT SCALE = 1/8" = 1' / 1" / 1" / 1" PLOT DATE = 1/7/2016															STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION					PROPOSED CROSS SECTION SHEET SCALE: SHEET OF SHEETS STA. 1030+25.00 TO STA. 1031+50.00					SECTION 13-00270-00-CH COUNTY COOK TOTAL SHEETS 393 SHEET NO. 357 CONTRACT NO. G1C32 ILLINOIS FED. AID PROJECT				

DATE	
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NOTE BOOK	
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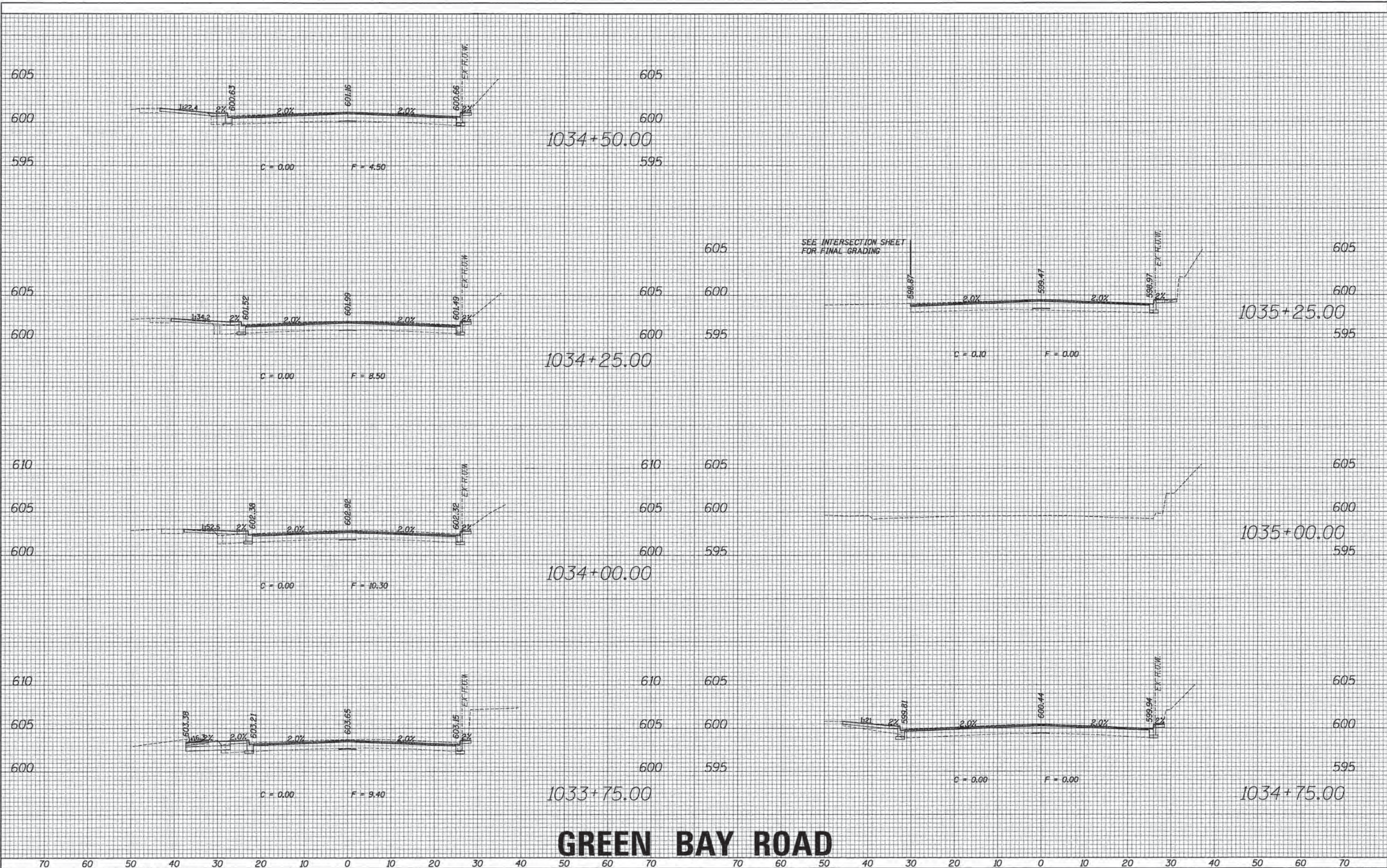


GREEN BAY ROAD

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		USER NAME = bhanracha DESIGNED DRAWN CHECKED DATE	REVISED REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTION SHEET	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.	CONTRACT NO. 61C32	ILLINOIS FED. AID PROJECT																		
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DATE	
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NOTE BOOK	
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BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



GREEN BAY ROAD



USER NAME = bhernicha	DESIGNED	REVISED
PLLOT SCALE = 10.0000' / in.	DRAWN	REVISED
PLLOT DATE = 1/7/2016	CHECKED	REVISED
	DATE	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

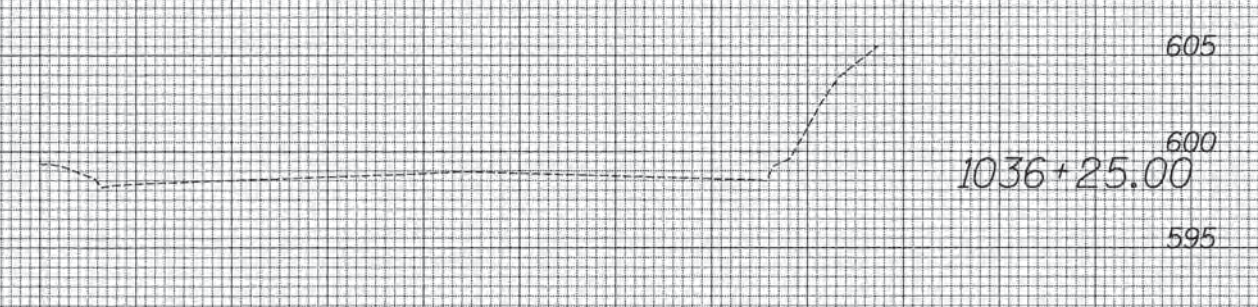
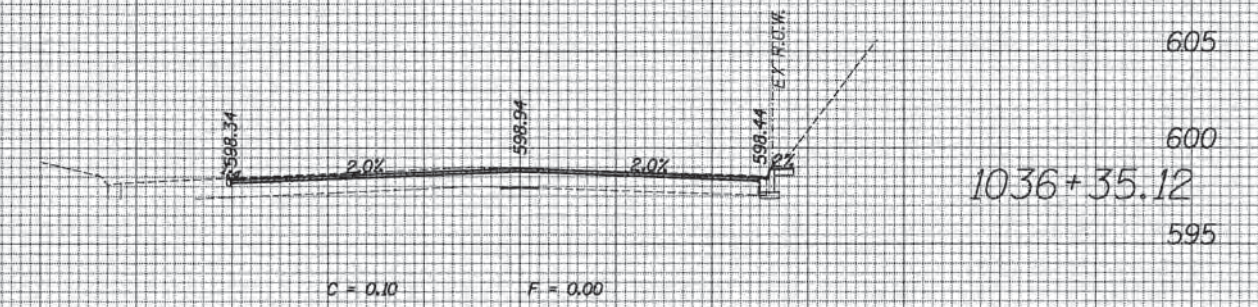
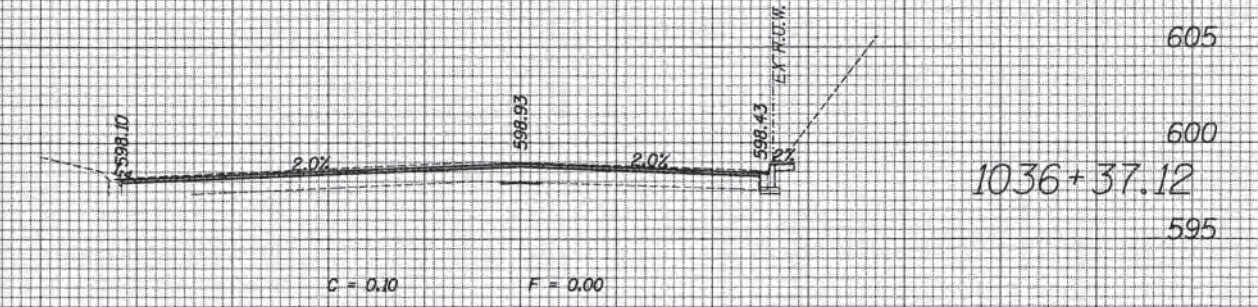
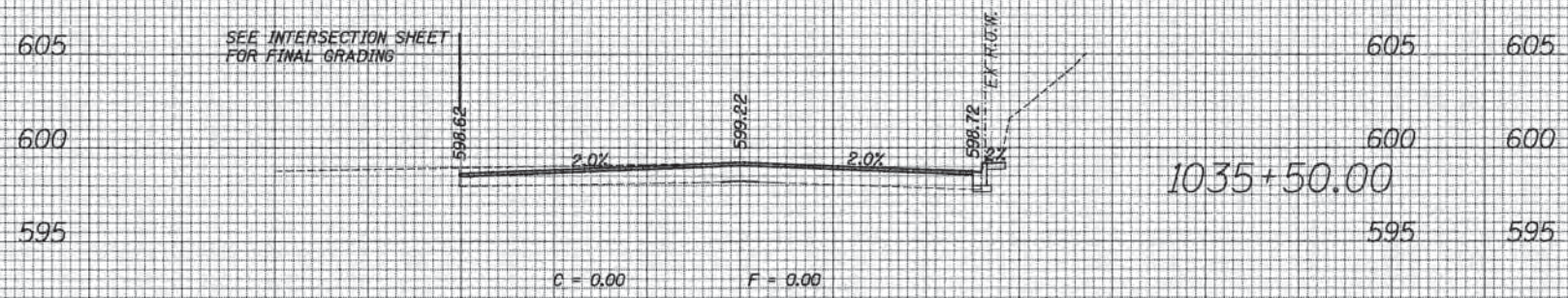
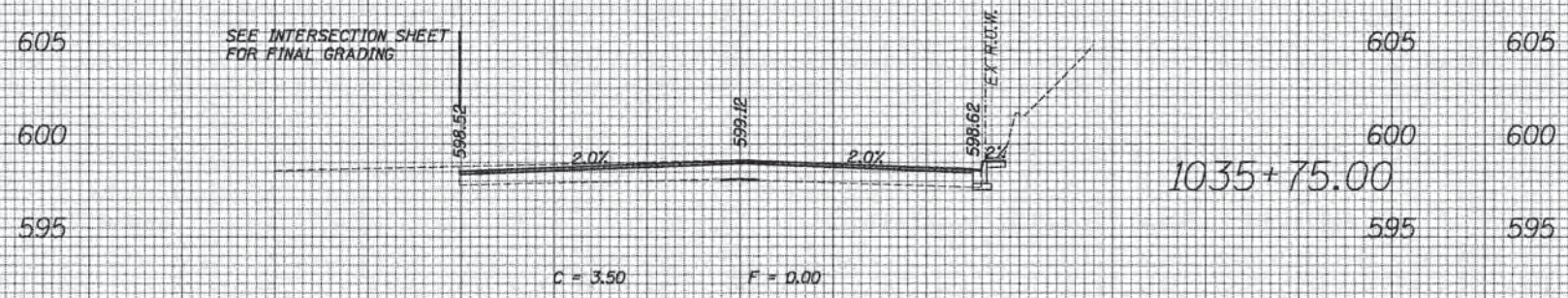
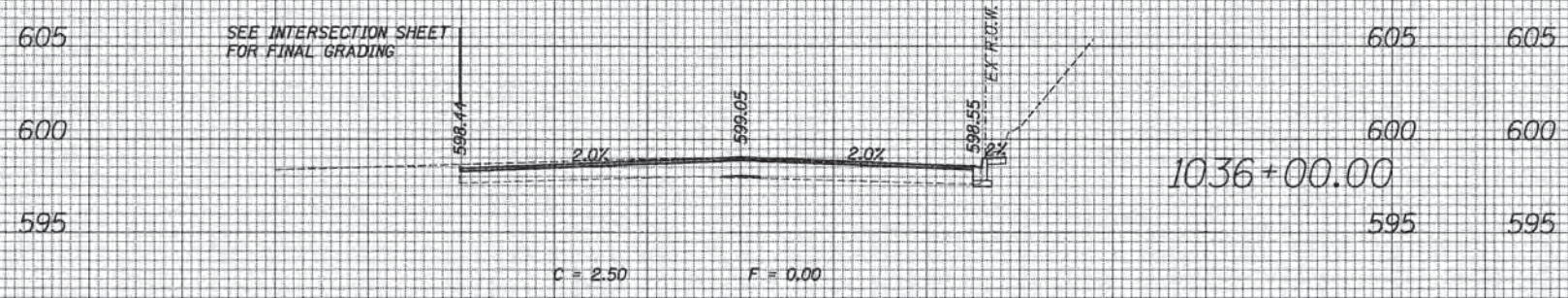
PROPOSED CROSS SECTION SHEET			
SCALE:	SHEET	OF	SHEETS
STA. 1033+75.00 TO STA. 1035+25.00			

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00270-00-CH	COOK	393	359
CONTRACT NO. 61C32				
ILLINOIS FED. AID PROJECT				

FILE NAME = #FILE#

DATE	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
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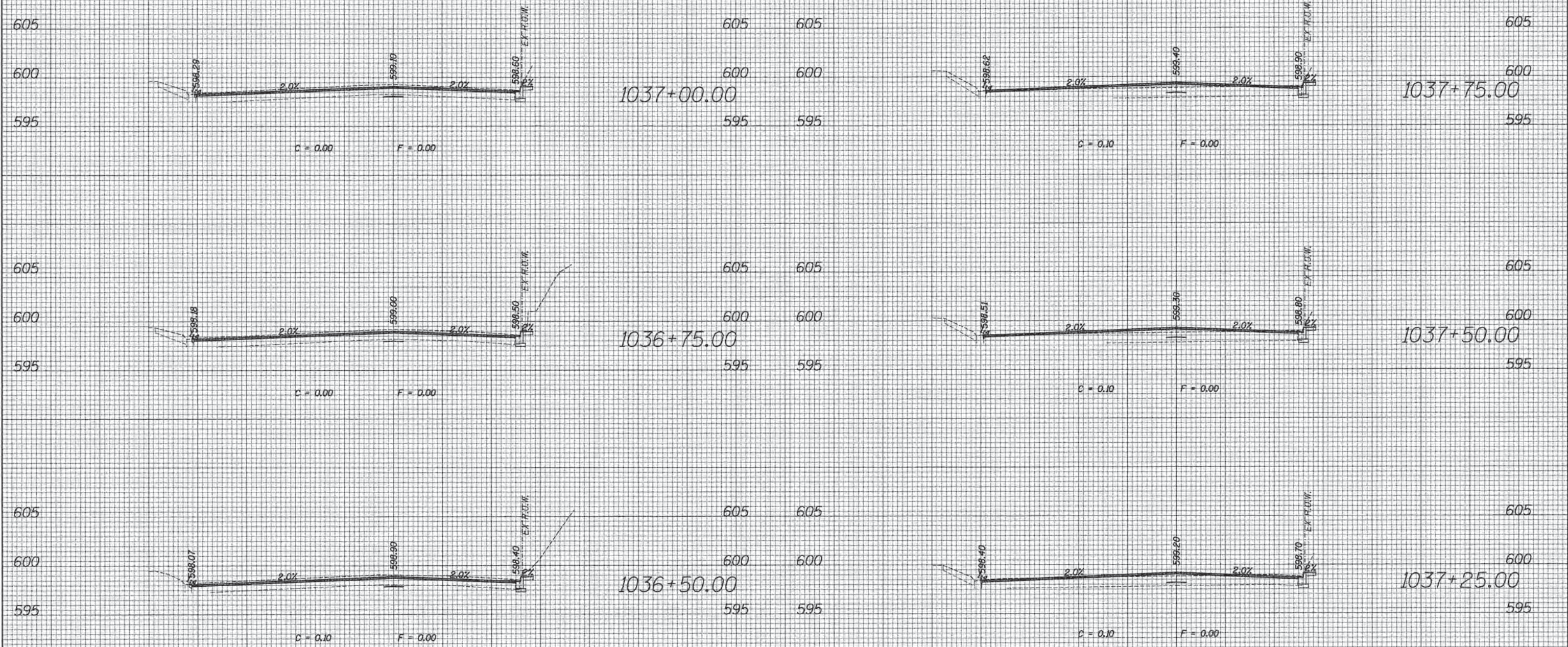
GREEN BAY ROAD

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	PLOT SCALE = 1/8" = 1' - 0"	DRAWN	REVISED																																													
	PLOT DATE = 1/7/2016	CHECKED	REVISED																																													
		DATE	REVISED																																													
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																																												
	13-00270-00-CH	COOK	393	360																																												
CONTRACT NO. G1C32																																																
SCALE: SHEET OF SHEETS STA. 1035+50.00 TO STA. 1036+37.12																																																
ILLINOIS FED. AID PROJECT																																																

FILE NAME = #FILEL#

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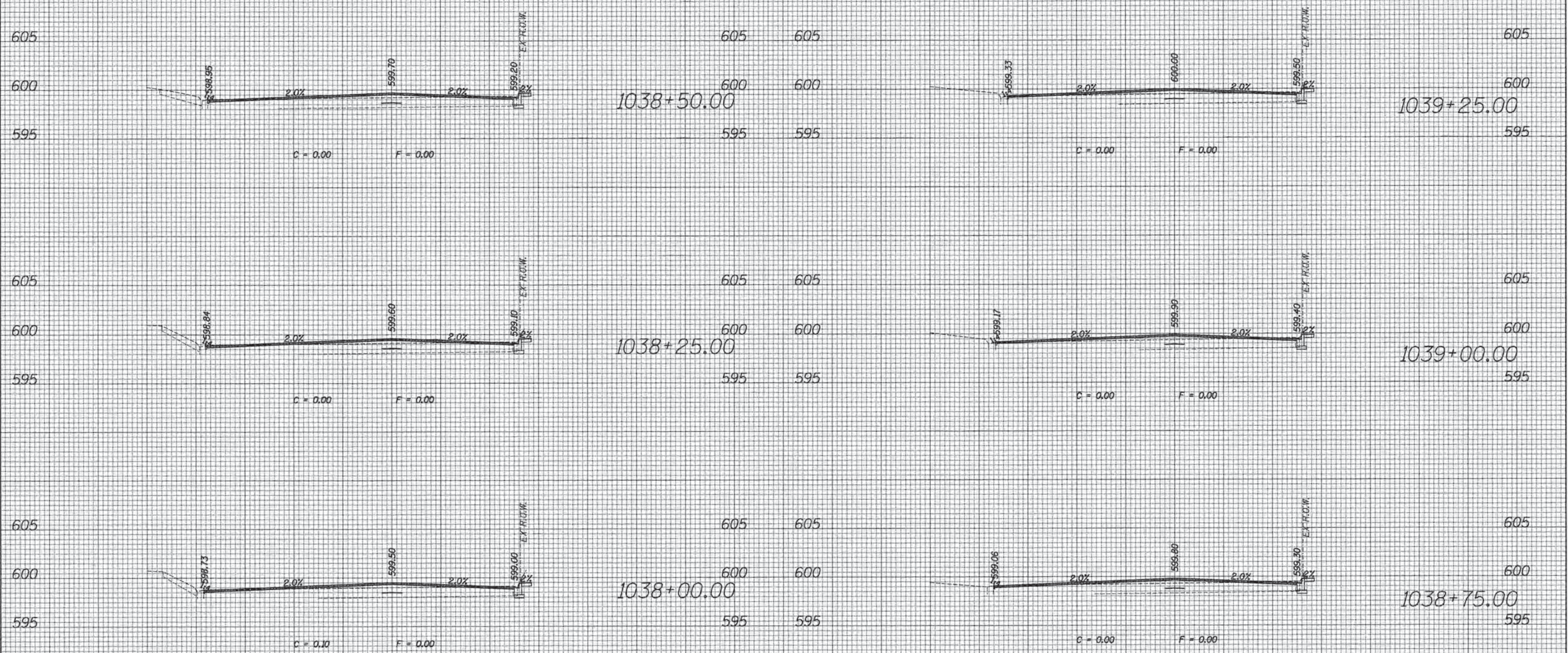


GREEN BAY ROAD

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ESI CONSULTANTS, LTD. USER NAME = bhenrichs DESIGNED DRAWN CHECKED DATE												STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				PROPOSED CROSS SECTION SHEET SCALE: SHEET OF SHEETS STA. 1036+50.00 TO STA. 1037+75.00				F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 13-00270-00-CH COOK 393 361	
PLOT SCALE = 10.0000' / 1"												CONTRACT NO. G1C32				ILLINOIS FED. AID PROJECT					

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SURVEYED	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
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ORIGINAL SURVEY	
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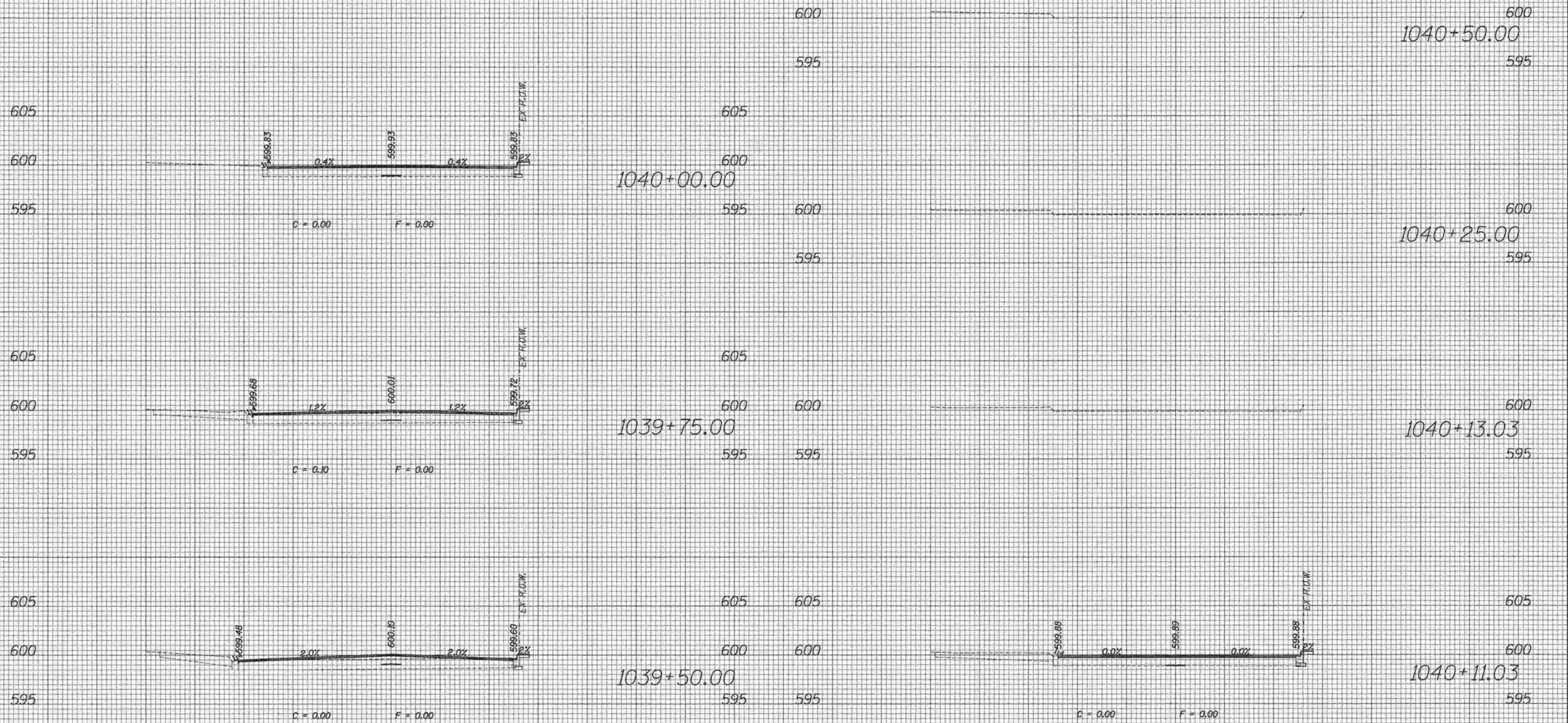
GREEN BAY ROAD

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PLOT SCALE = 10.0000' / in. PLOT DATE = 1/7/2016									SCALE: SHEET OF SHEETS STA. 1038+00.00 TO STA. 1039+25.00			CONTRACT NO. 61C32 ILLINOIS FED. AID PROJECT							

FILE NAME = #FILE#

FINAL SURVEY NO.	SURVEYED	DATE
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	NOTE BOOK	
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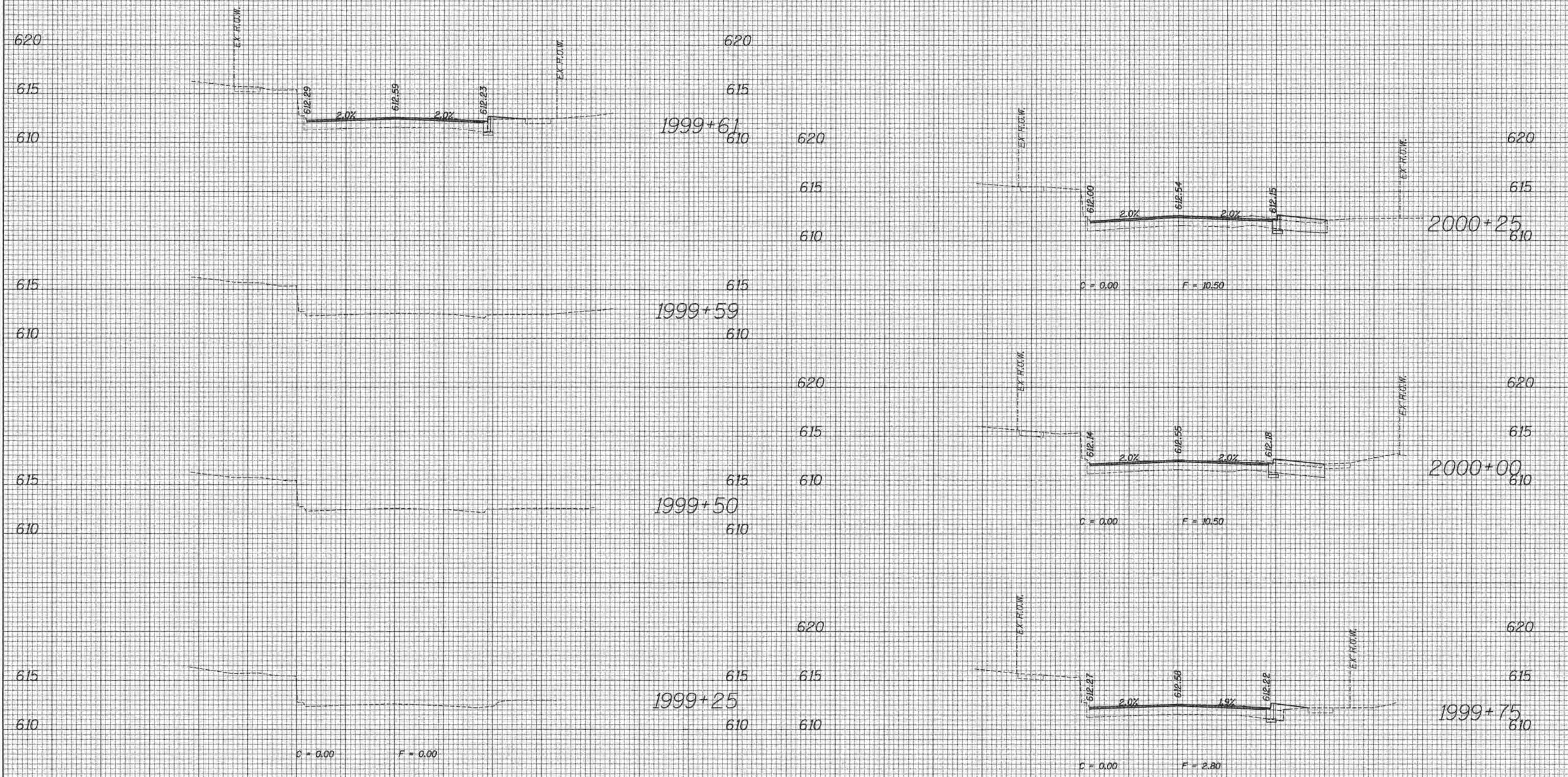


GREEN BAY ROAD

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DATE	
BY	
FINAL SURVEY BOOK NO.	
SURVEYED BY	
DATE OF SURVEY	
TEMPERATURE	
AREAS CHECKED	

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ORIGINAL SURVEY BOOK NO.	
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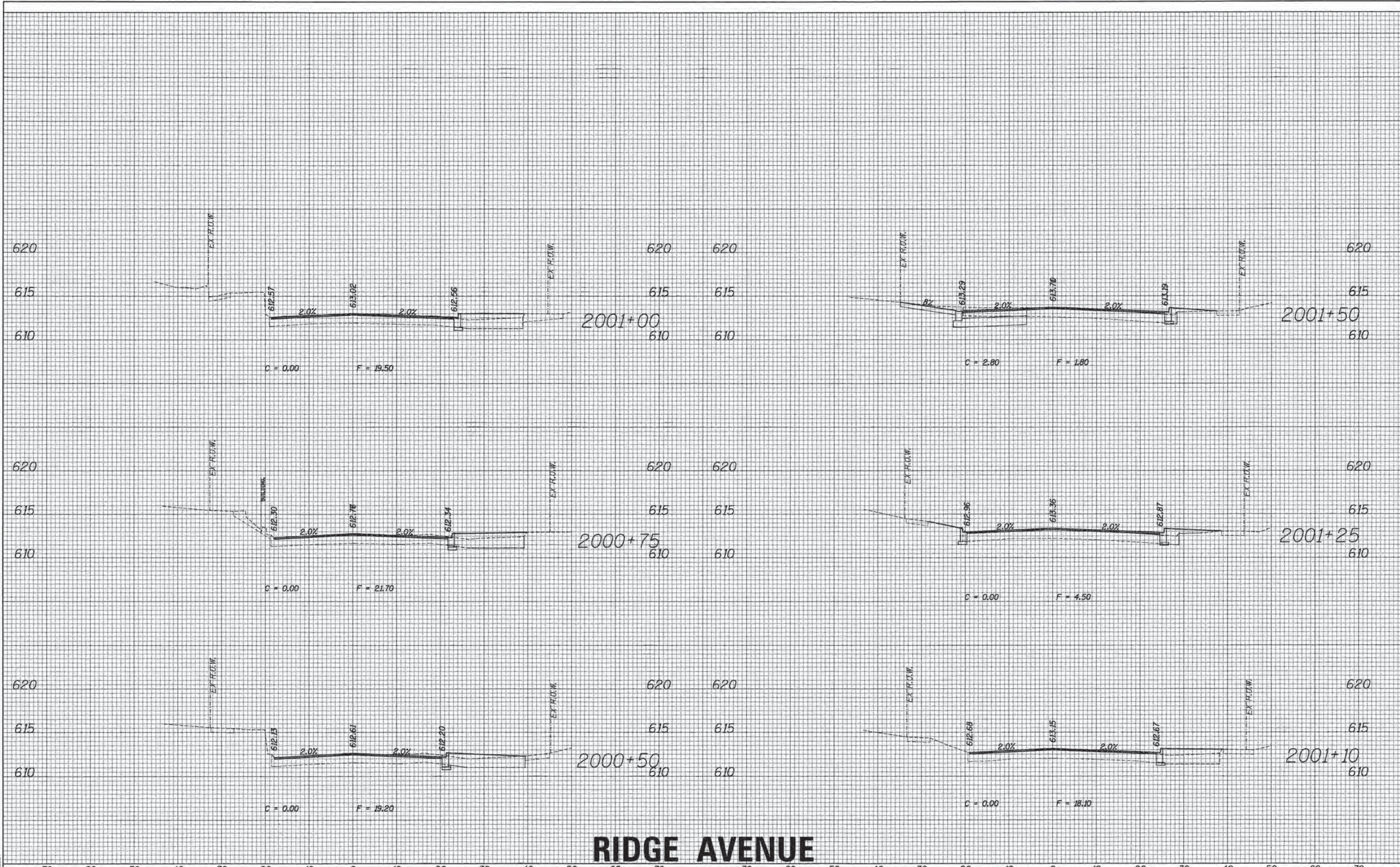


RIDGE AVENUE

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ESI CONSULTANTS, LTD. USER NAME = bhanczcha DESIGNED DRAWN CHECKED DATE PLOT SCALE = 10,0000' / 1in. PLOT DATE = 1/7/2016															STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION					PROPOSED CROSS SECTION SHEET SCALE: SHEET OF SHEETS STA. 1999+25 TO STA. 2000+24					F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 13-00270-00-CH COOK 393 364 CONTRACT NO. 61C32 ILLINOIS FED. AID PROJECT				

DATE	
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NOTE BOOK	
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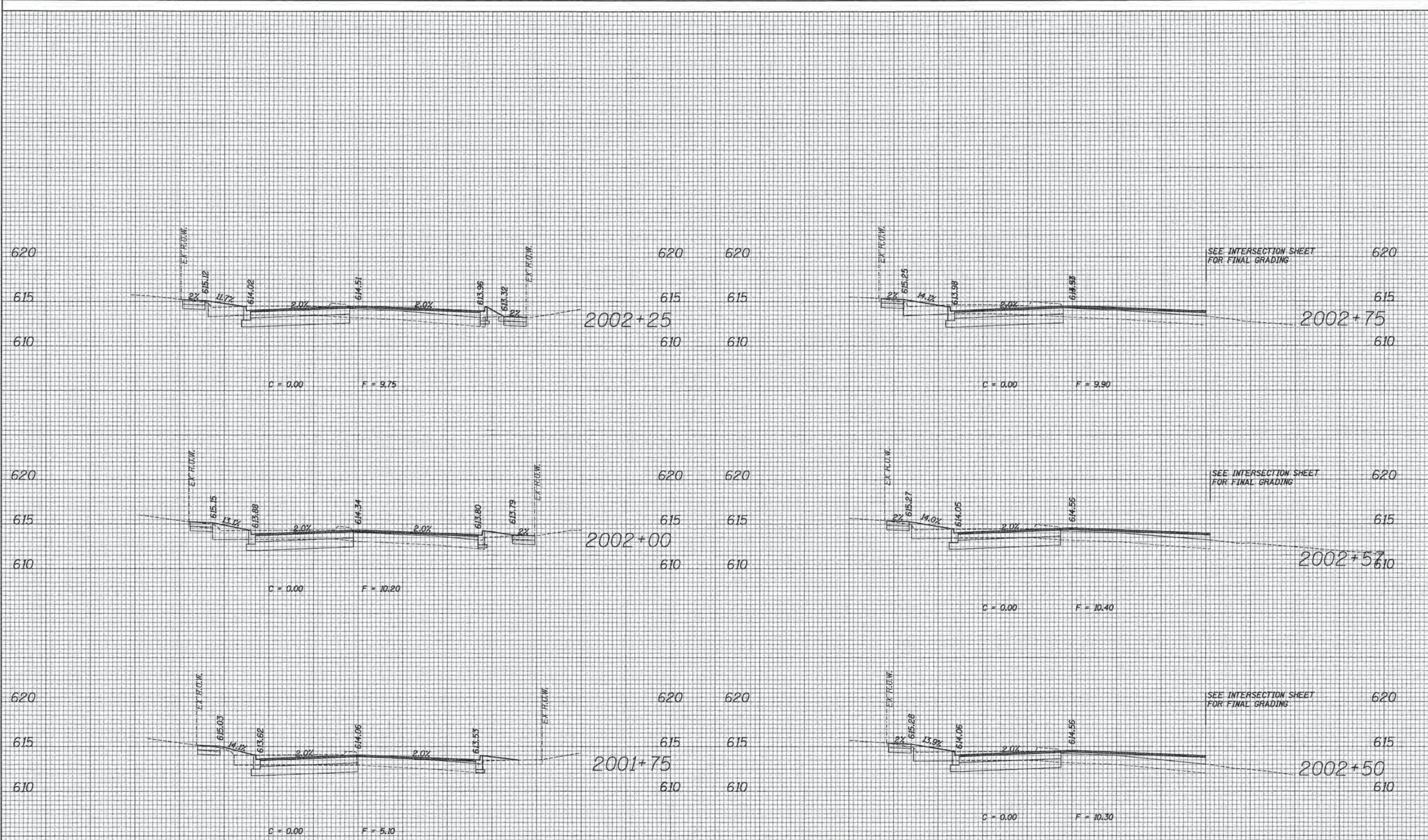


RIDGE AVENUE

<p>FILE NAME = #FILEL#</p> <p>ESI CONSULTANTS, LTD. <small>225 N. WILSON AVENUE, SUITE 100 DEERFIELD, ILLINOIS 60015</small></p>	USER NAME = bhennrsha PLLOT SCALE = 10.0000' / 1" = PLOT DATE = 1/7/2016	DESIGNED DRAWN CHECKED DATE	REVISED REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTION SHEET SCALE: SHEET OF SHEETS STA. 2000+50 TO STA. 2001+50	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. CONTRACT NO.	13-00270-00-CH COOK 393 366 61C32
						ILLINOIS FED. AID PROJECT	

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NOTE BOOK	
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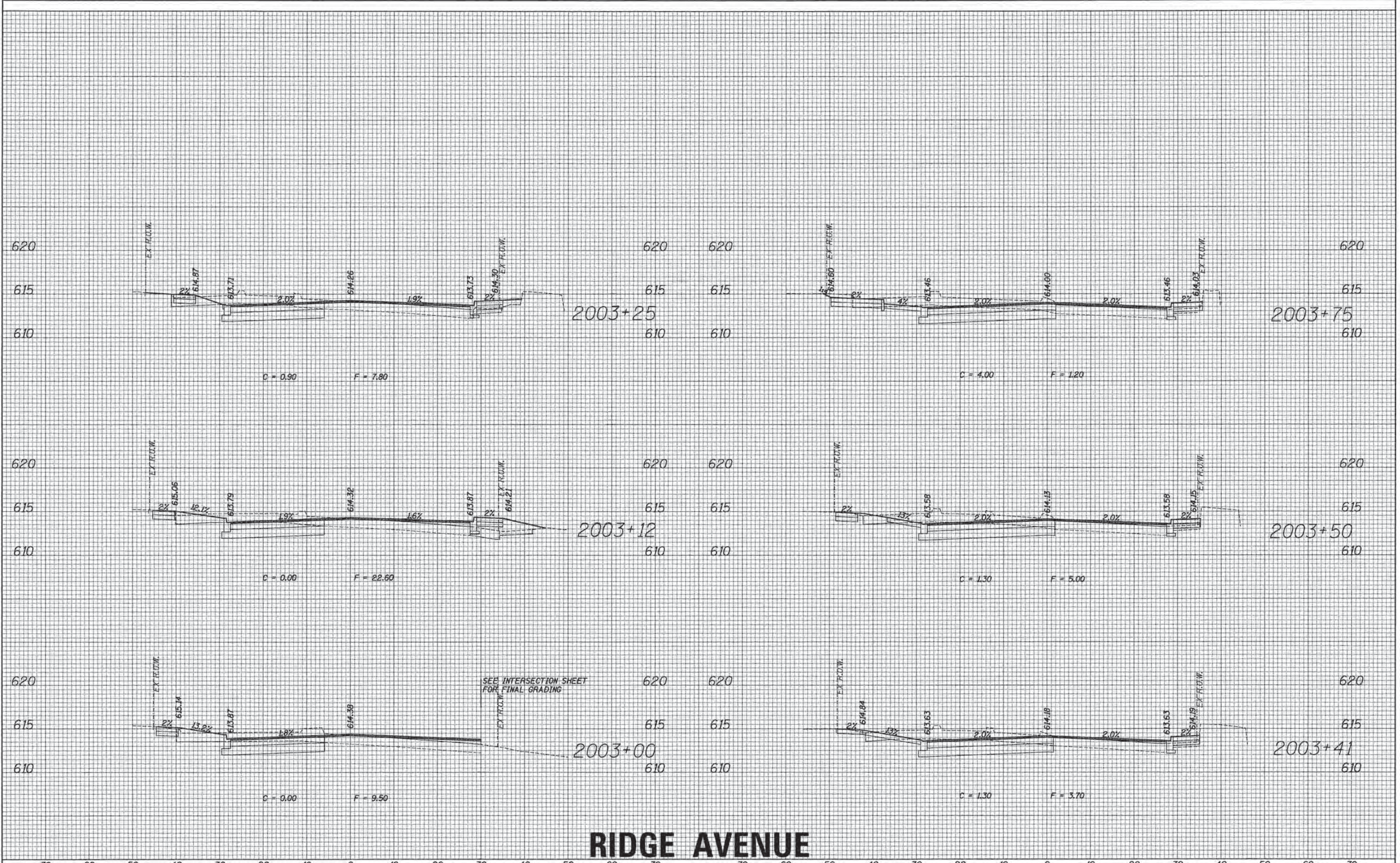
RIDGE AVENUE

ESI ESI CONSULTANTS, LTD. <small>1013 N. WELLS STREET, SUITE 200 CHICAGO, IL 60610 TEL: 312.366.7000 FAX: 312.366.7001 www.esiconsultants.com</small>	USER NAME = bhenrichs	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTION SHEET		F.A. RTE.	SECTION 13-00270-00-CH	COUNTY COOK	TOTAL SHEETS 393	SHEET NO. 366
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	PLOT DATE = 1/7/2016	CHECKED	REVISED								
		DATE	REVISED								

SCALE: SHEET OF SHEETS STA. 2001+75 TO STA. 2002+74 CONTRACT NO. 61C32 [ILLINOIS] FED. AID PROJECT

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DESIGNED	
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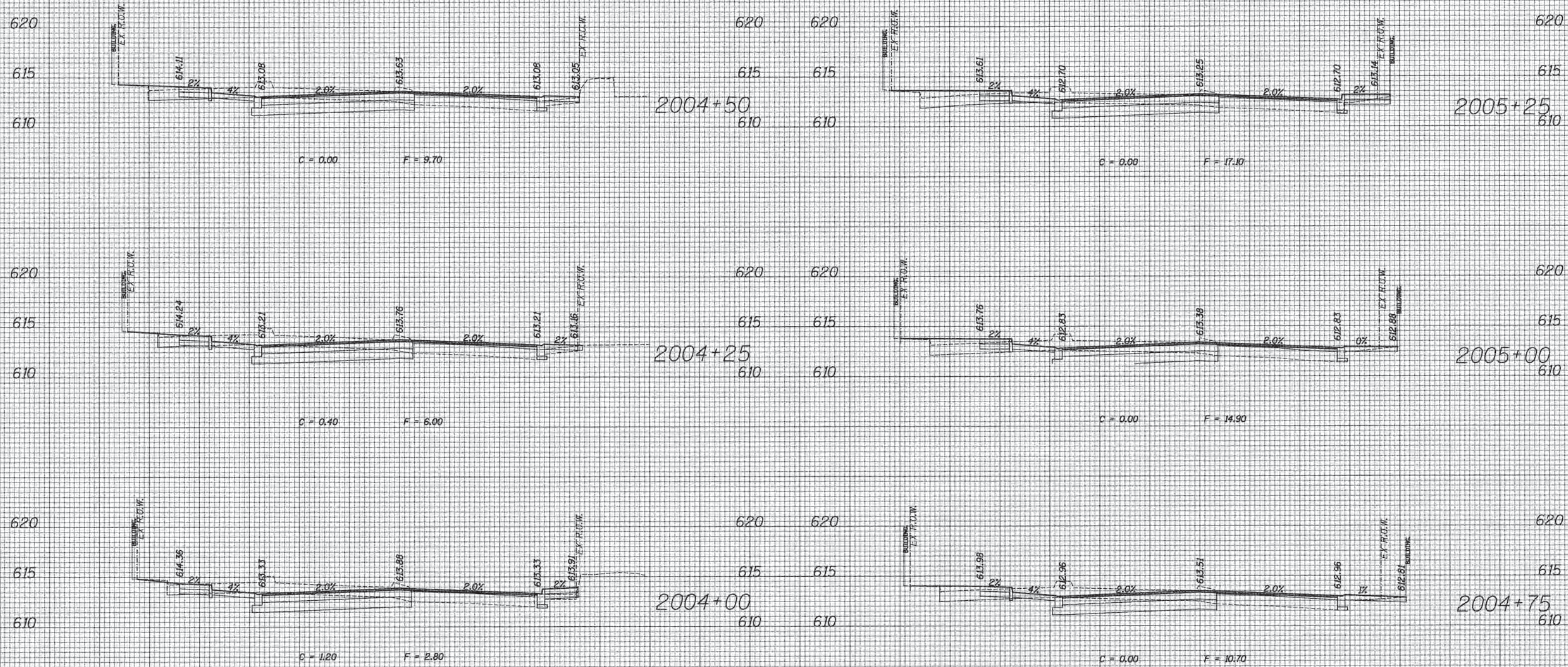


RIDGE AVENUE

ESI CONSULTANTS, LTD. <small>228 S. W. 11th St., Suite 100 Oklahoma, Oklahoma 73101</small>	USER NAME = bherrichs DESIGNED DRAWN CHECKED PLOT DATE = 1/7/2016	REVISIONS REVISED REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTION SHEET SCALE: SHEET OF SHEETS STA. 2003+00 TO STA. 2003+74	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. CONTRACT NO. 61C32
			ILLINOIS FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

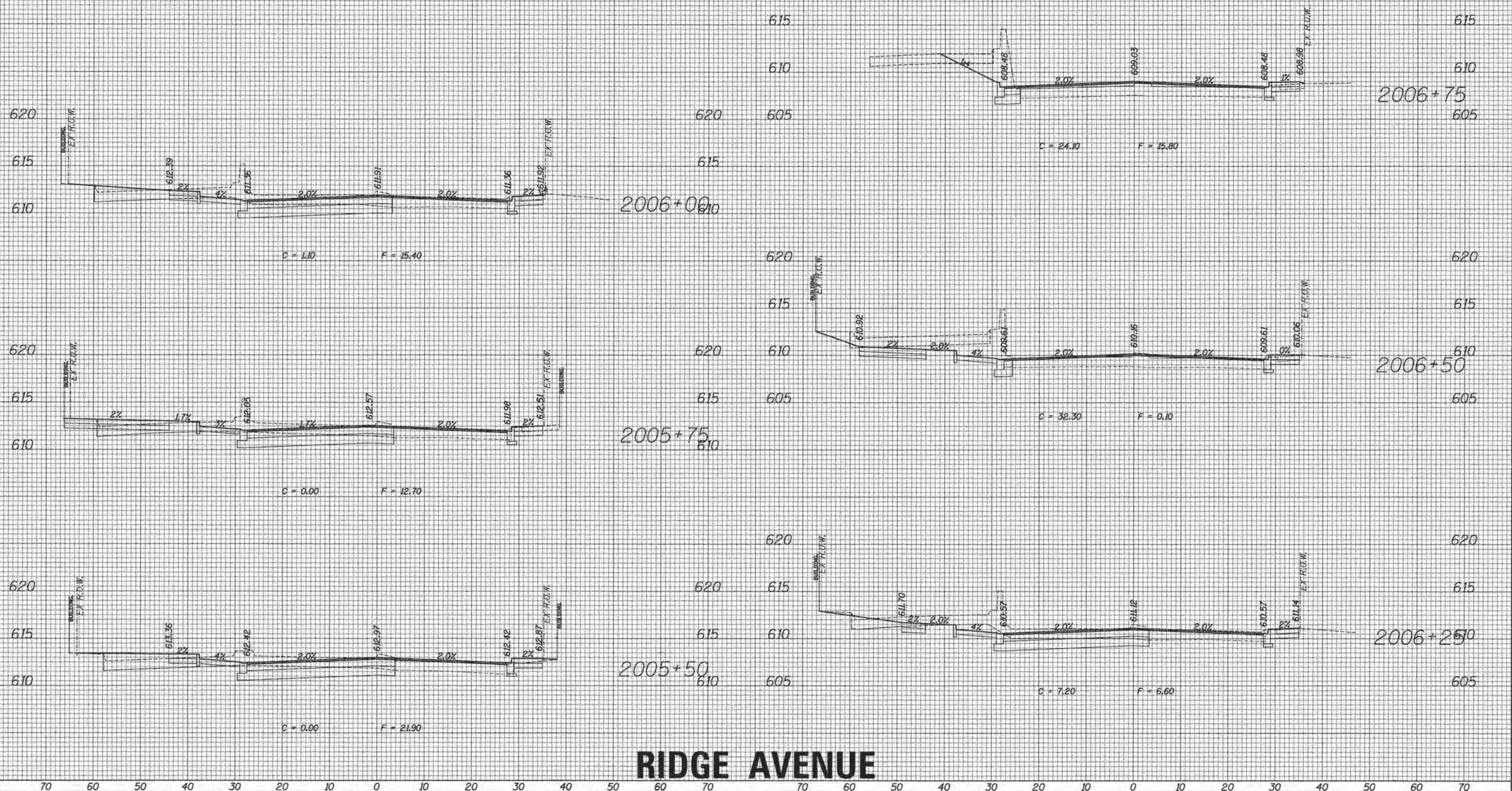


RIDGE AVENUE

	USER NAME = bhayr:scbs DESIGNED DRAWN CHECKED DATE	REVISED REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTION SHEET		F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
	PLOT SCALE = 1/8" = 1' / 16" PLOT DATE = 1/7/2016	SCALE: SHEET OF SHEETS STA. 2004+00 TO STA. 2005+25		13-00270-00-CH COOK 393 368		
CONTRACT NO. 61C32						ILLINOIS FED. AID PROJECT

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

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



RIDGE AVENUE

70	60	50	40	30	20	10	0	10	20	30	40	50	60	70																							
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USER NAME = bhansroha	DESIGNED	REVISED																																			
	DRAWN	REVISED																																			
PLOT SCALE = 1/8" = 10'	CHECKED	REVISED																																			
PLOT DATE = 1/7/2016	DATE	REVISED																																			
SCALE: SHEET OF SHEETS STA. 2005+50 TO STA. 2006+75												CONTRACT NO. 61C32			ILLINOIS FED. AID PROJECT																						

FILE NAME = RFILE1.dwg

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

DATE	
BY	
ORIGINAL SURVEY	
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NOTE BOOK	
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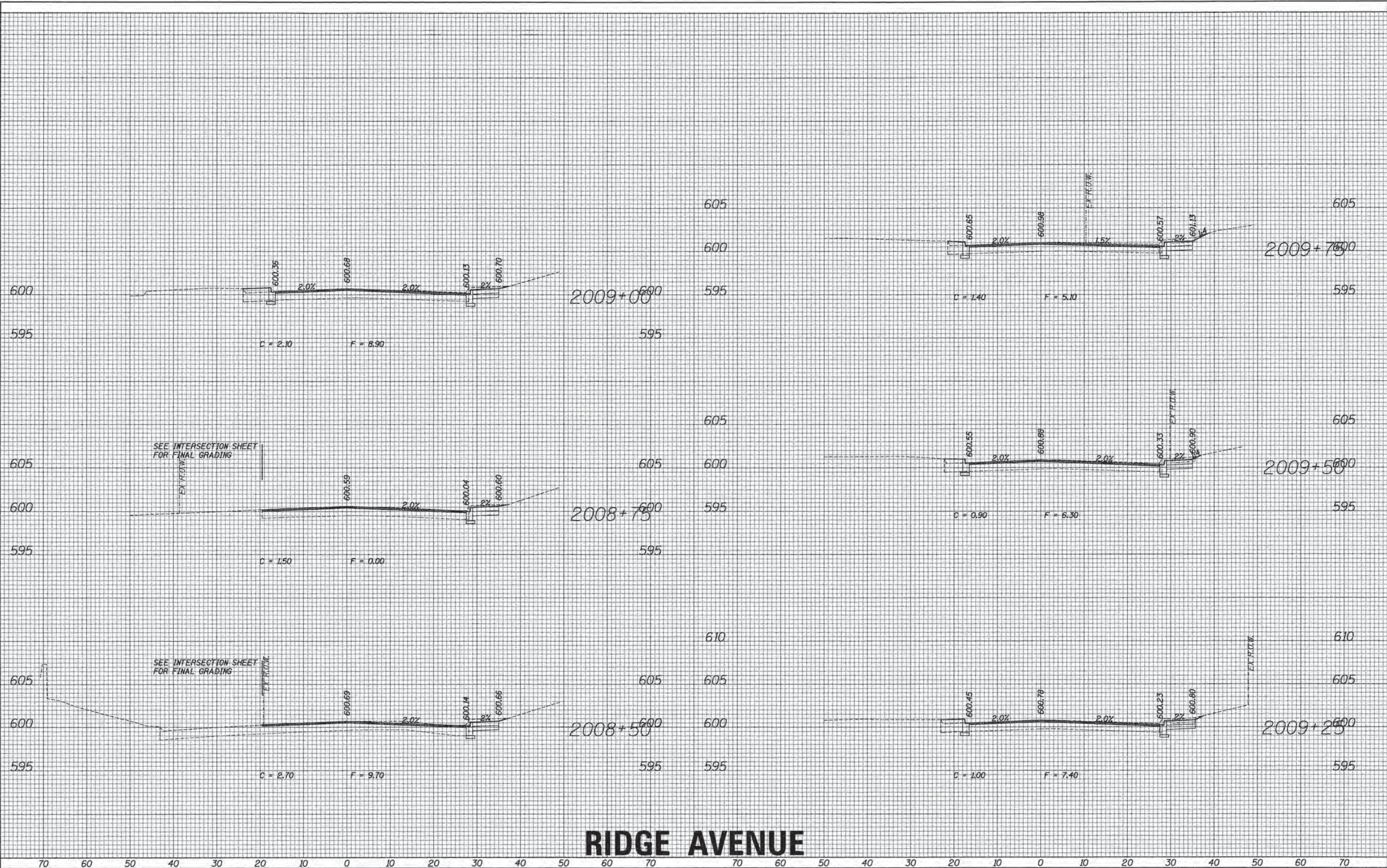


RIDGE AVENUE

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ESI CONSULTANTS, LTD. USER NAME = bharracha DESIGNED DRAWN CHECKED DATE PLOT SCALE = 1/8" = 1' / 1" / 16" PLOT DATE = 1/7/2016															STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION					PROPOSED CROSS SECTION SHEET SCALE: SHEET OF SHEETS STA. 2008+91 TO STA. 2008+24					F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 13-00270-00-CH COOK 393 370 CONTRACT NO. 61C32 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



RIDGE AVENUE



USER NAME = bhenrichs	DESIGNED	REVISED
PLLOT SCALE = 1/8" = 1'-0"	DRAWN	REVISED
PLLOT DATE = 1/7/2016	CHECKED	REVISED
	DATE	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

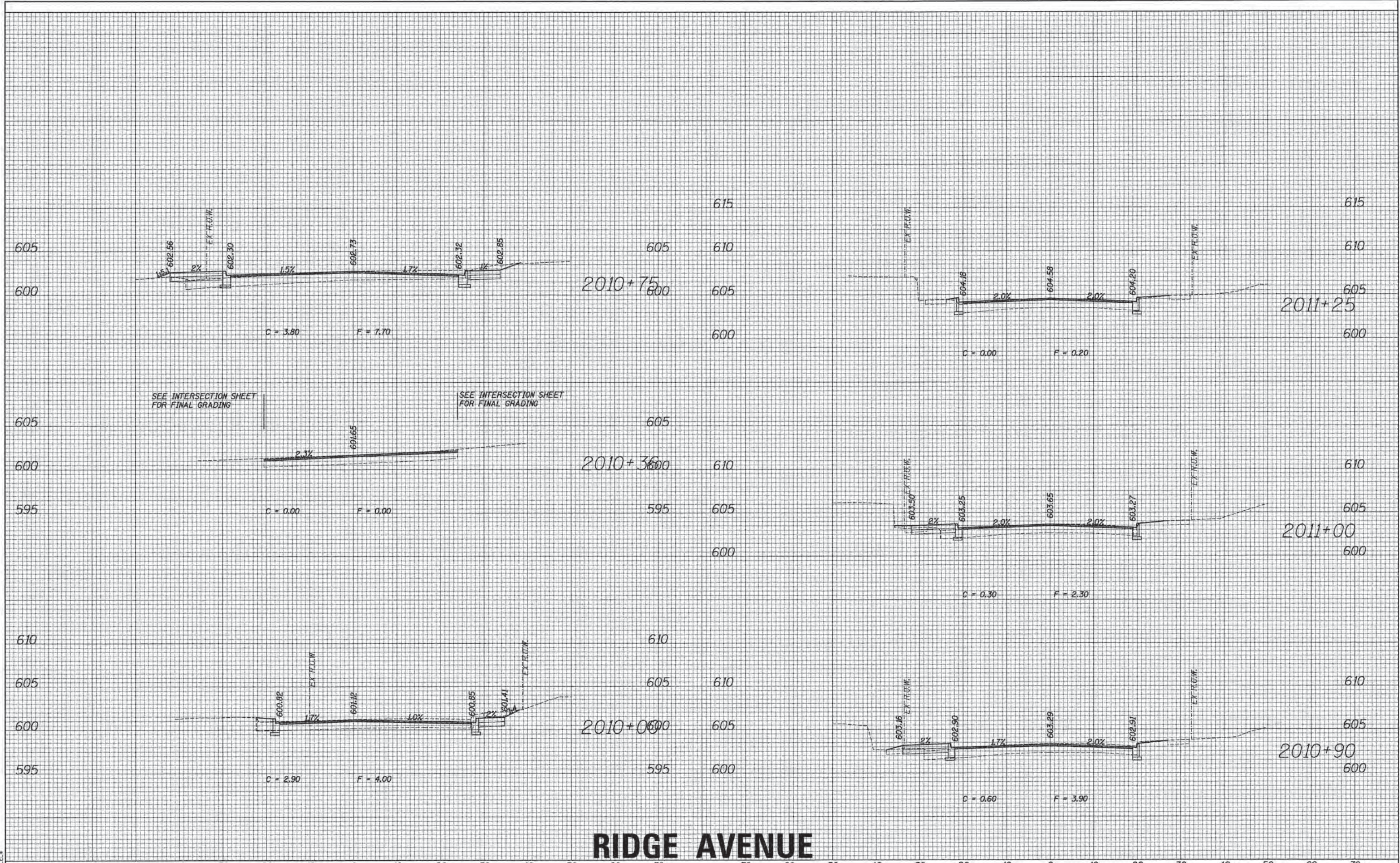
PROPOSED CROSS SECTION SHEET

SCALE:	SHEET	OF	SHEETS	STA. 2008+50	TO STA. 2009+75
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00270-00-CH	COOK	393	371
CONTRACT NO. 61C32			ILLINOIS FED. AID PROJECT	

DATE	
BY	
NO.	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

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

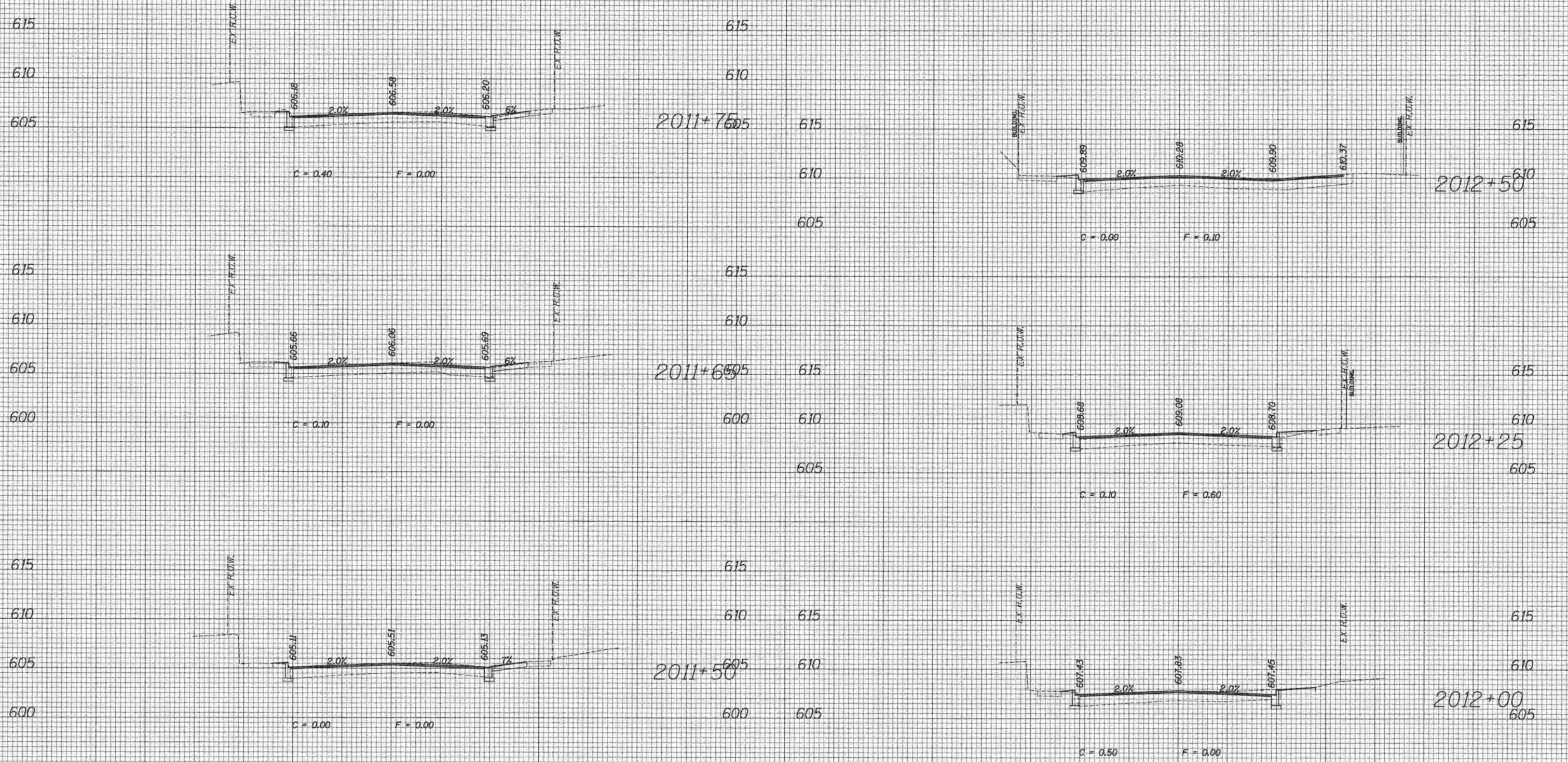


RIDGE AVENUE

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	DESIGNED	DRAWN	REVISED		SCALE:	SHEET	OF	SHEETS	STA. 2010+00	TO STA. 2011+25	COOK	393	372
	PLLOT SCALE = 1/8" = 1' / 32'	CHECKED	REVISED								CONTRACT NO. 61C32		
	PLLOT DATE = 1/7/2016	DATE	REVISED								ILLINOIS FED. AID PROJECT		

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



RIDGE AVENUE



USER NAME = bhenrich	DESIGNED	REVISED
PLLOT SCALE = 10.0000' / 1" =	DRAWN	REVISED
PLLOT DATE = 1/7/2016	CHECKED	REVISED
	DATE	REVISED

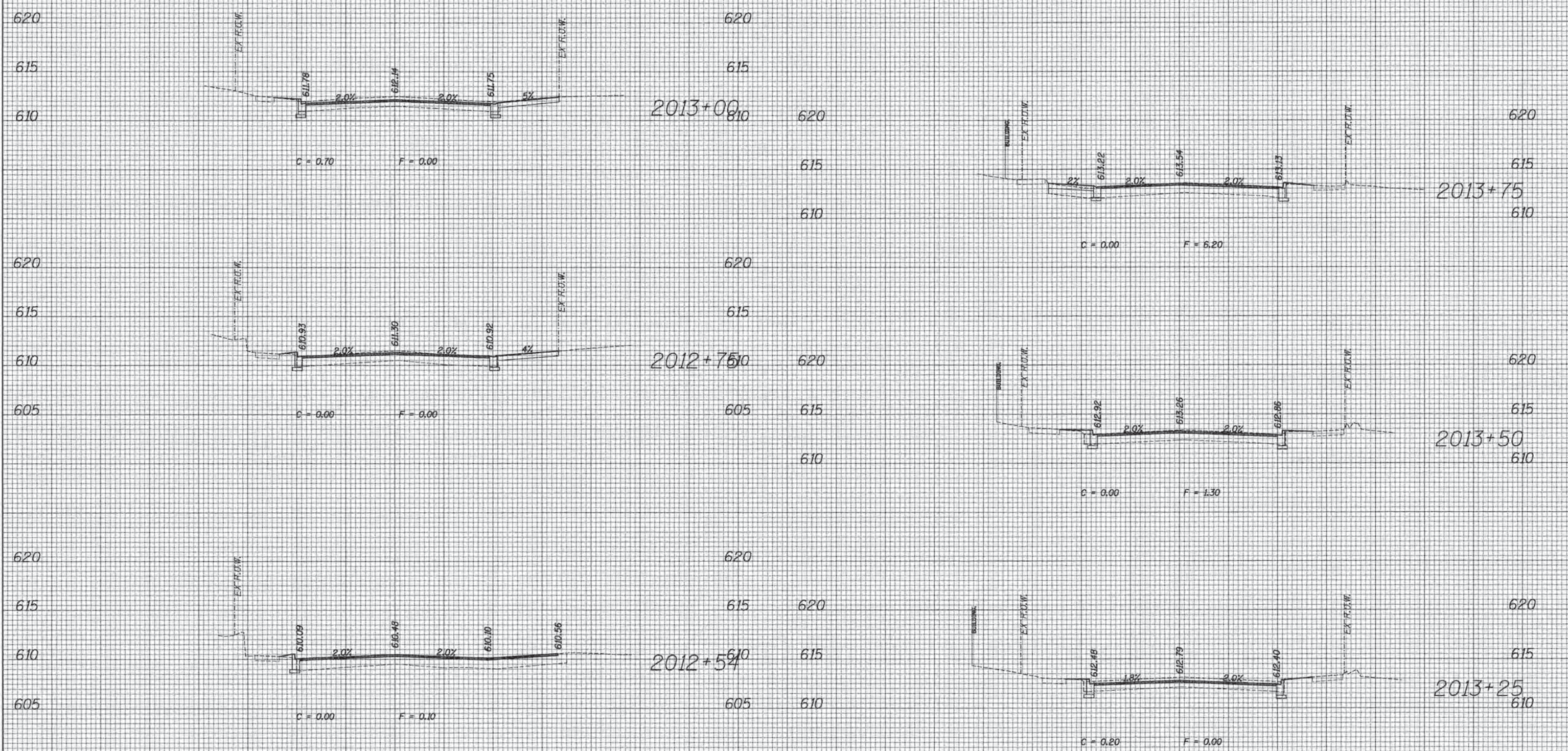
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET	OF	SHEETS	STA. 2011+50	TO STA. 2012+50
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00270-00-CH	COOK	393	373
CONTRACT NO. 61C32				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
NOTED	
TELETYPE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
NOTED	
TELETYPE	
AREAS	
CHECKED	
NO.	



RIDGE AVENUE

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION														
PROPOSED CROSS SECTION SHEET														
SCALE: SHEET OF SHEETS STA. 2012+54 TO STA. 2013+75														
F.A. SECTION COUNTY TOTAL SHEETS SHEET NO. RTE. 13-00270-00-CH COOK 393 374 CONTRACT NO. 61C32 ILLINOIS FED. AID PROJECT														

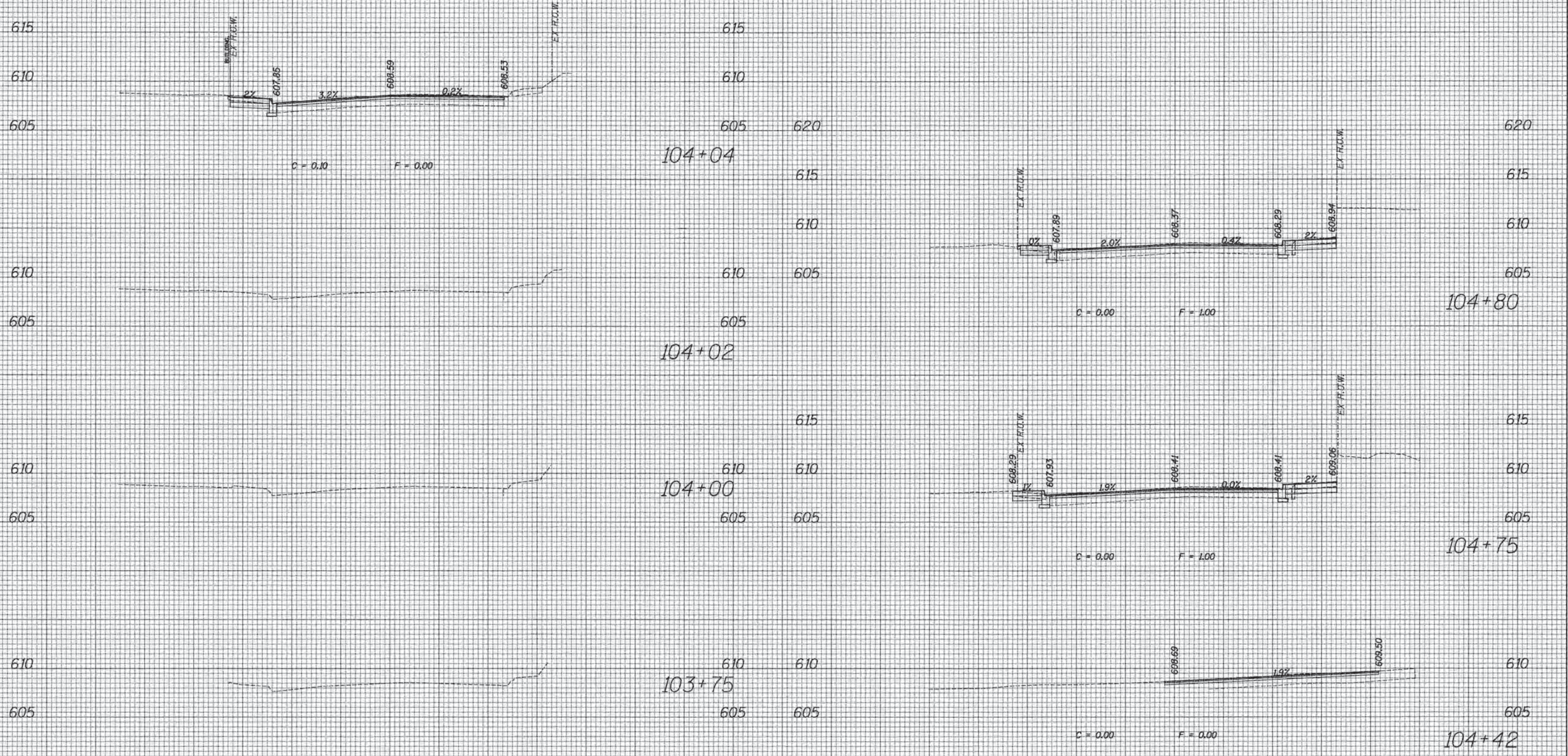
ESI CONSULTANTS, LTD.
 1000 W. 111th Street, Suite 100
 Chicago, IL 60642
 (773) 447-1000
 www.esiconsultants.com

USER NAME = bhennrichs	DESIGNED
PLOT SCALE = 10,0000' / 1" =	DRAWN
PLOT DATE = 1/7/2016	CHECKED
	DATE
	REVISED

FILE NAME = #FILEL8

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

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

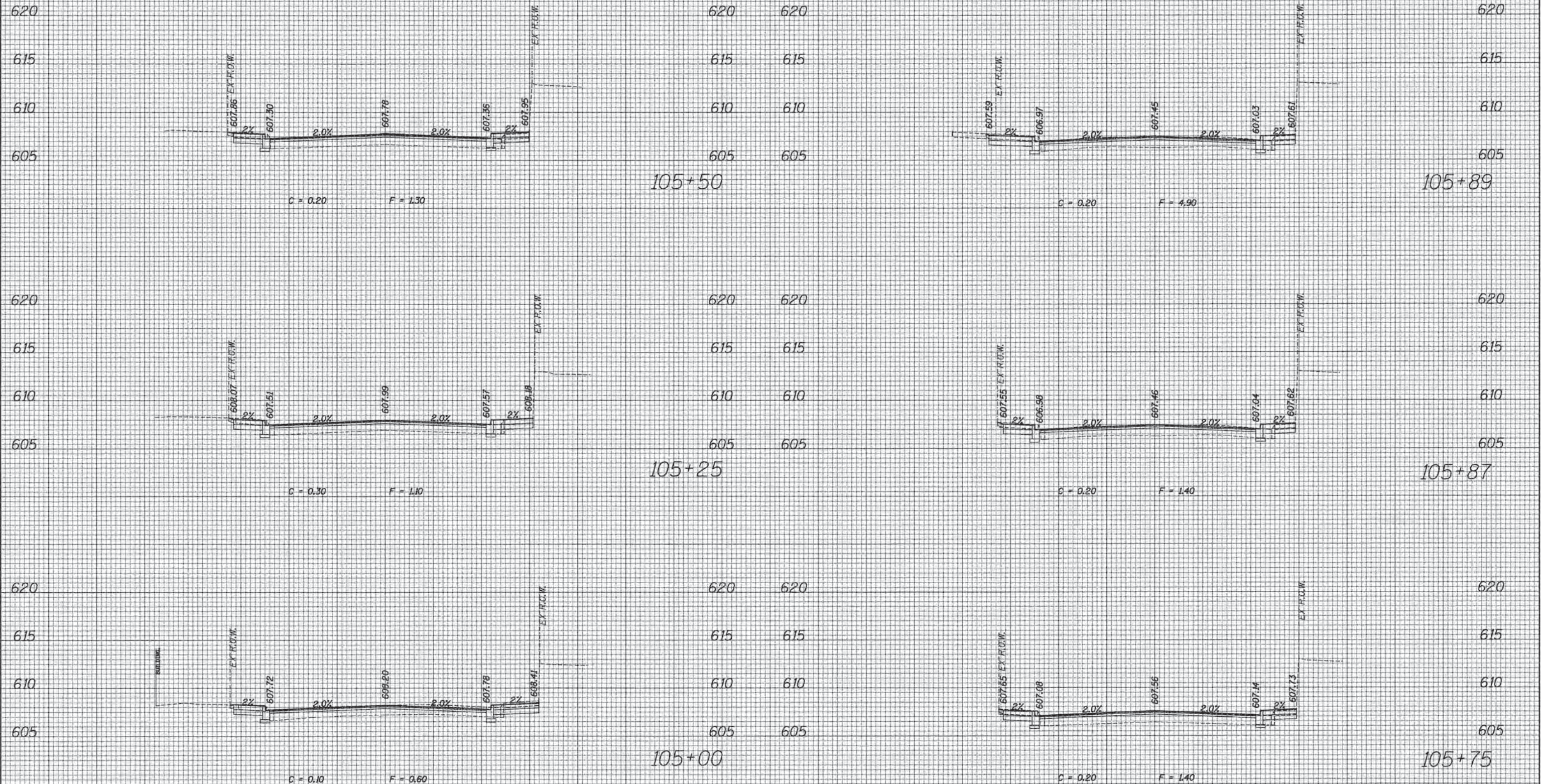


EMERSON STREET

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			USER NAME = bhenrschs DESIGNED _____ DRAWN _____ CHECKED _____ DATE _____			REVISED _____ REVISED _____ REVISED _____ REVISED _____			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			PROPOSED CROSS SECTION SHEET			F.A. RTE. _____ SECTION 13-00270-00-CH COUNTY COOK TOTAL SHEETS 393 SHEET NO. 376 CONTRACT NO. 61C32 ILLINOIS FED. AID PROJECT	
PLOT SCALE = 1/8" = 1' / in. PLOT DATE = 1/7/2016			SCALE: _____ SHEET _____ OF _____ SHEETS STA. 183+75 TO STA. 184+79													

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

DATE	
BY	
SURVEYED	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
ORIGINAL SURVEY	
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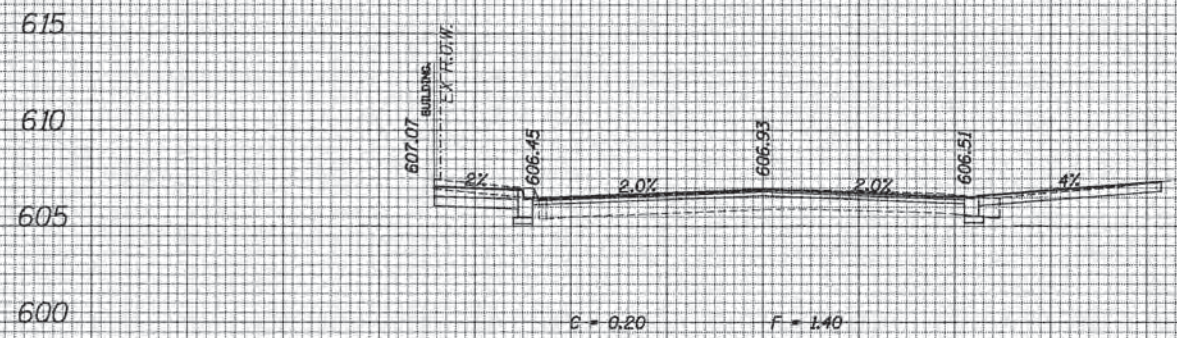


EMERSON STREET

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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

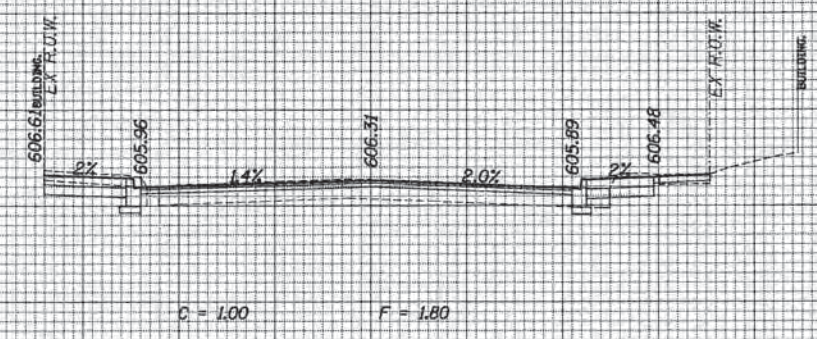
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



615
610
605
600

106+50

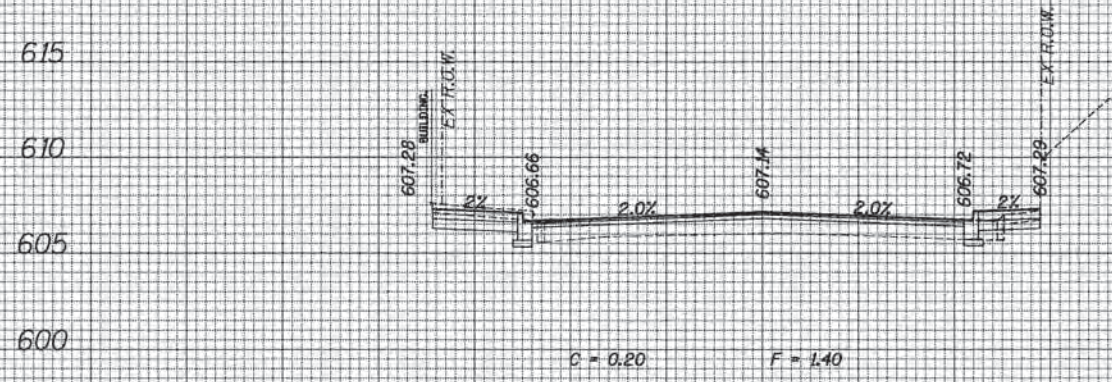
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610
605
600

107+00

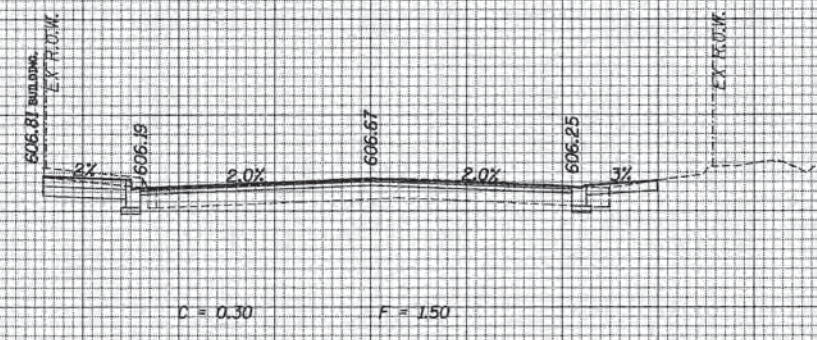
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615
610
605
600

106+25

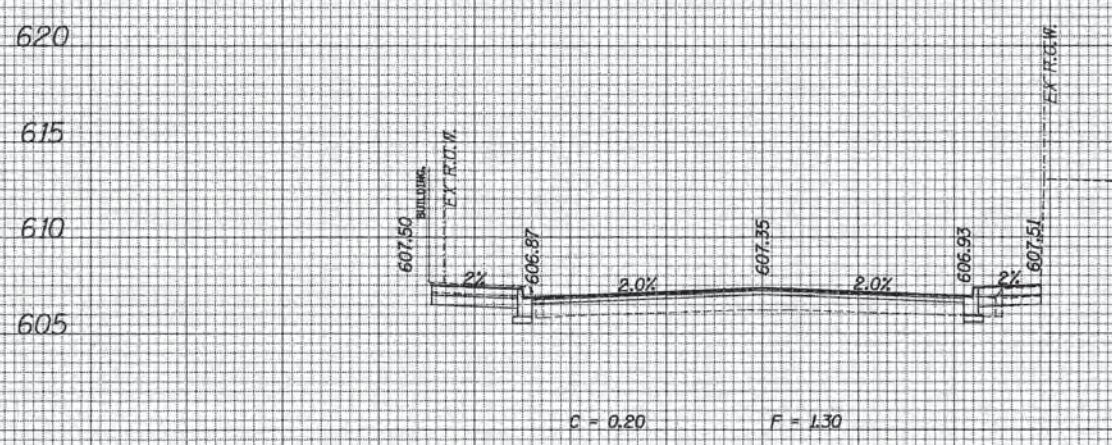
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615
610
605
600

106+75

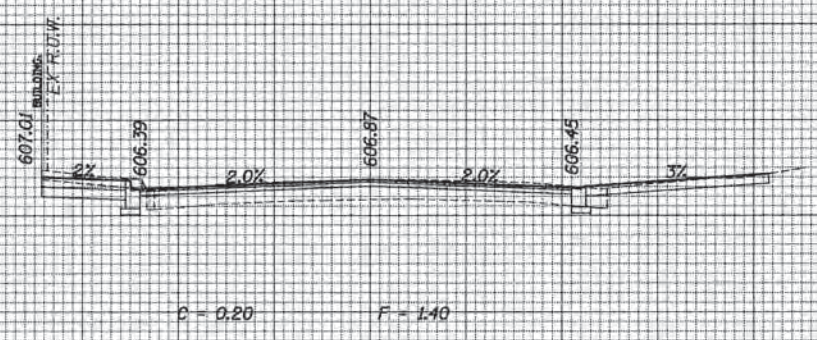
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620
615
610
605
600

106+00

600 605 610 615 620



615
610
605
600

106+57

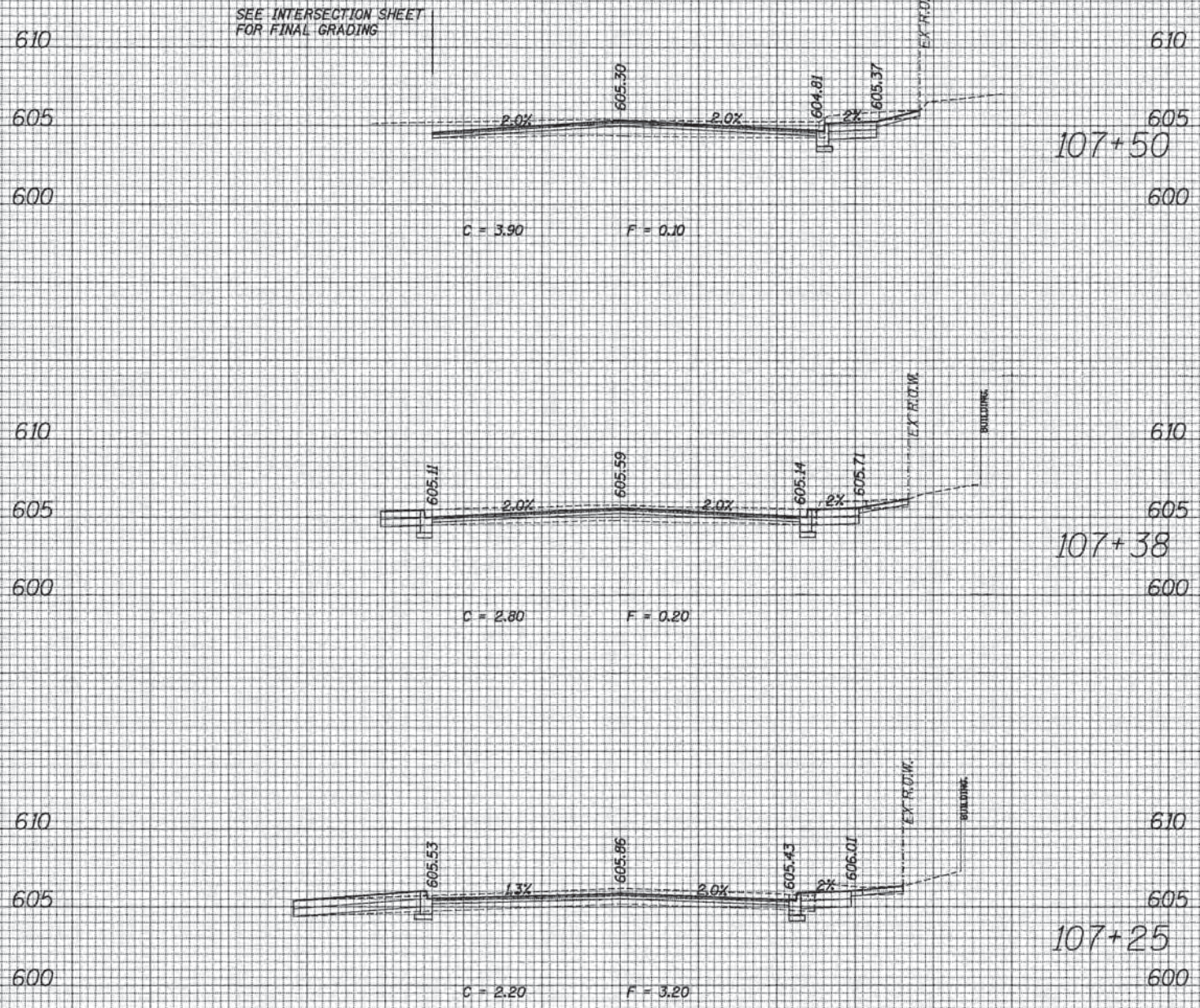
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EMERSON STREET

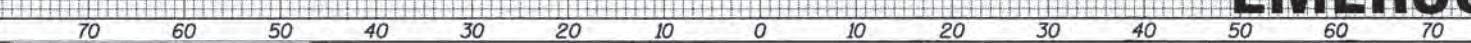
	USER NAME = bhenrichs DESIGNED DRAWN CHECKED DATE	REVISED REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTION SHEET	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
	PLOT SCALE = 10,0000' / 1" = PLOT DATE = 1/7/2016	SCALE: SHEET OF SHEETS STA. 106+00 TO STA. 106+99	13-00270-00-CH COOK 393 378	CONTRACT NO. 61C32 ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



EMERSON STREET



ESI CONSULTANTS, LTD.
 1000 W. WASHINGTON ST. CHICAGO, IL 60607
 (773) 399-1000
 www.esiconsultants.com

USER NAME = bhanra	DESIGNED	REVISED
PLOT SCALE = 1/8" = 1' / 32"	DRAWN	REVISED
PLOT DATE = 1/7/2016	CHECKED	REVISED
	DATE	REVISED

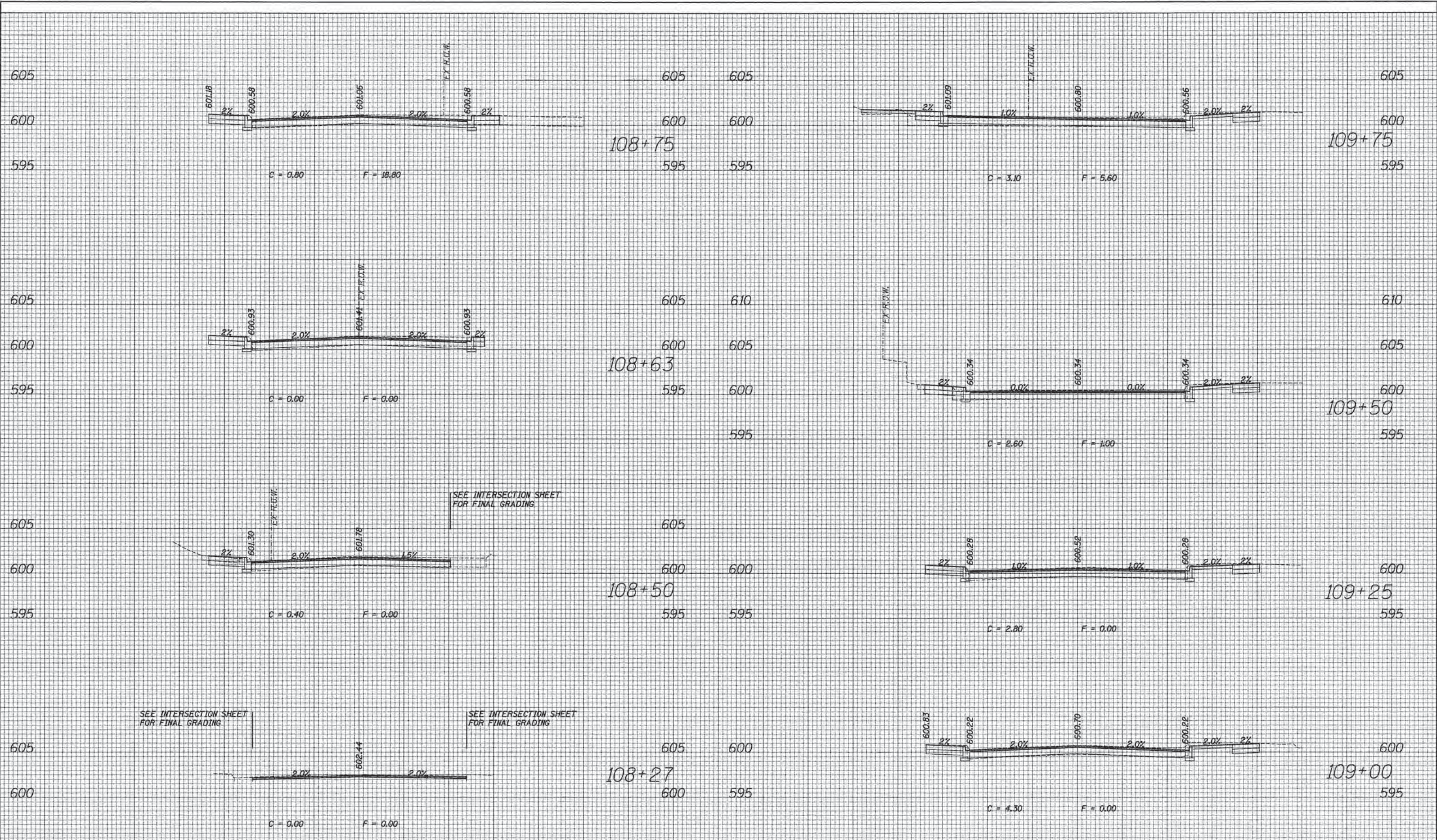
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED CROSS SECTION SHEET			
SCALE:	SHEET	OF	SHEETS
STA. 107+25		TO STA. 107+50	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00270-00-CH	COOK	393	379
				CONTRACT NO. 61C32
ILLINOIS FED. AID PROJECT				

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

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

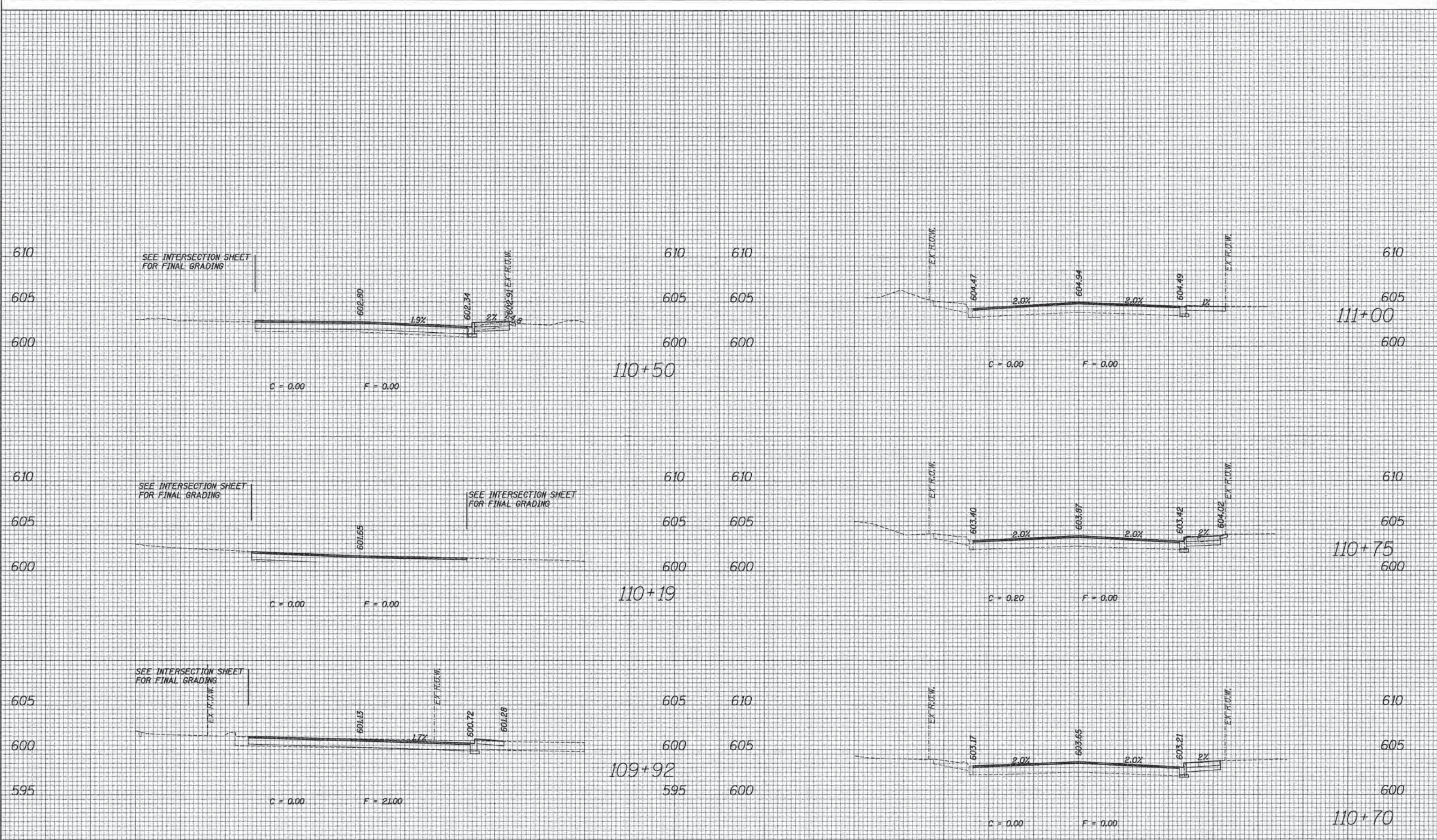


EMERSON STREET

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ESI CONSULTANTS, LTD. <small>1000 W. WASHINGTON ST. CHICAGO, IL 60607</small>												STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PROPOSED CROSS SECTION SHEET		F.A. RTE. SECTION 13-00270-00-CH	COUNTY COOK	TOTAL SHEETS 393	SHEET NO. 380
USER NAME = bhenrichs DESIGNED DRAWN CHECKED DATE			REVISED REVISED REVISED REVISED			SCALE: SHEET OF SHEETS STA. 108+27 TO STA. 109+75			CONTRACT NO. G1C32 <small>ILLINOIS FED. AID PROJECT</small>										

DATE	
BY	
FINAL SURVEY	
NOTED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
PLOTTED	
TEMPLATE	
AREAS	
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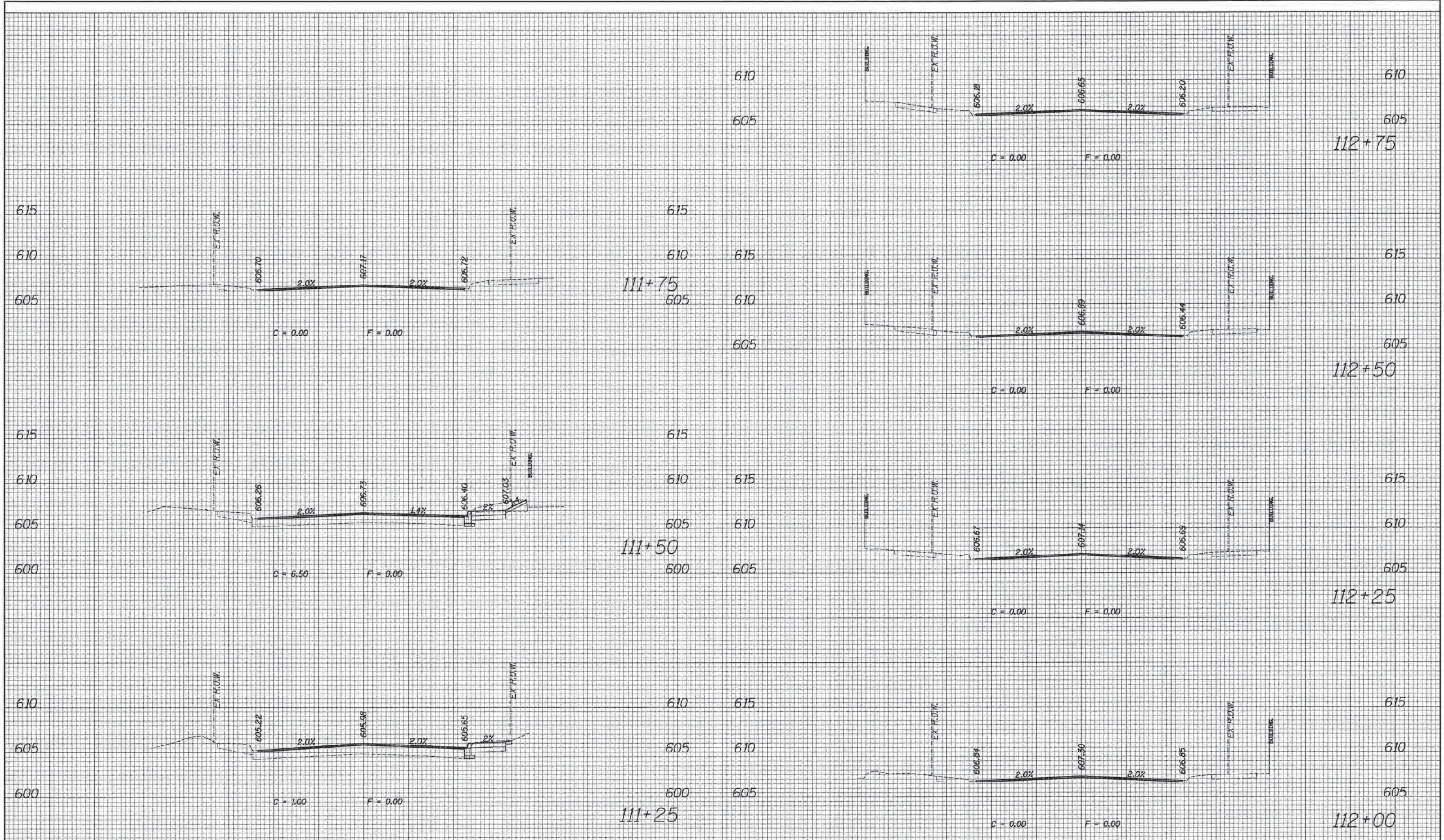
EMERSON STREET

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FILE NAME = PFILE18

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



EMERSON STREET

ESI CONSULTANTS, LTD. <small>1000 W. WASHINGTON ST. CHICAGO, IL 60607</small>	USER NAME = bhenrsohs PLOT SCALE = 1/8" = 1' / in. PLOT DATE = 1/7/2016	DESIGNED DRAWN CHECKED DATE	REVISED REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTION SHEET SCALE: SHEET OF SHEETS STA. 111+25 TO STA. 112+75	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. CONTRACT NO.	13-00270-00-CH COOK 393 382 G1C32
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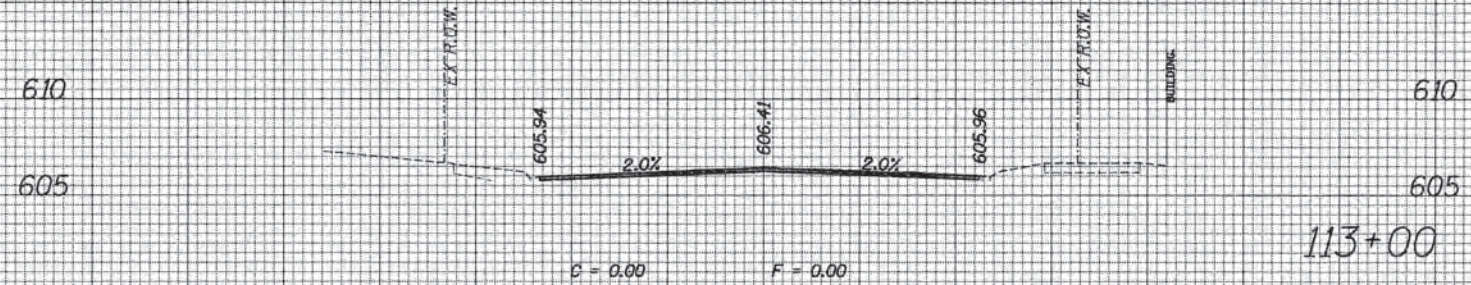
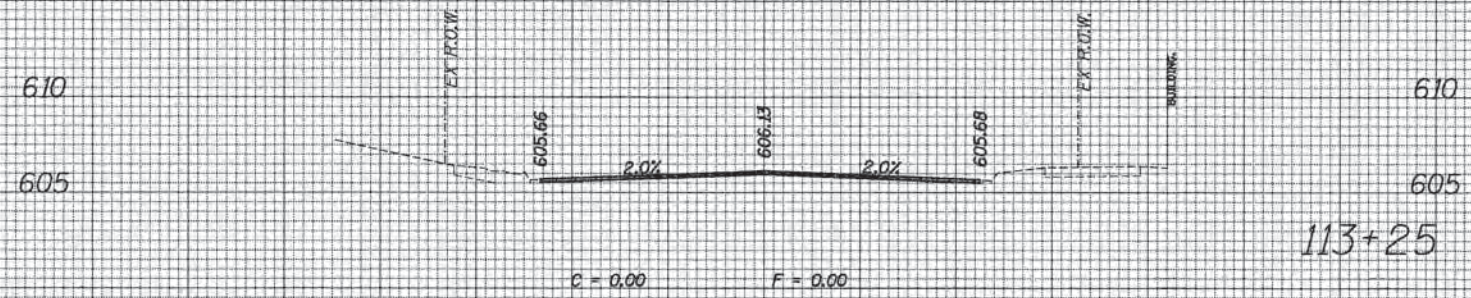
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ILLINOIS FED. AID PROJECT

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

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

605 113+50.5



EMERSON STREET

FILE NAME = #FILE1.d

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ESI ESI CONSULTANTS, LTD.
Engineering, Survey, Integrity

USER NAME = bhenscha	DESIGNED	REVISED
PLOT SCALE = 10,000 ' / in.	DRAWN	REVISED
PLOT DATE = 1/7/2016	CHECKED	REVISED
	DATE	REVISED

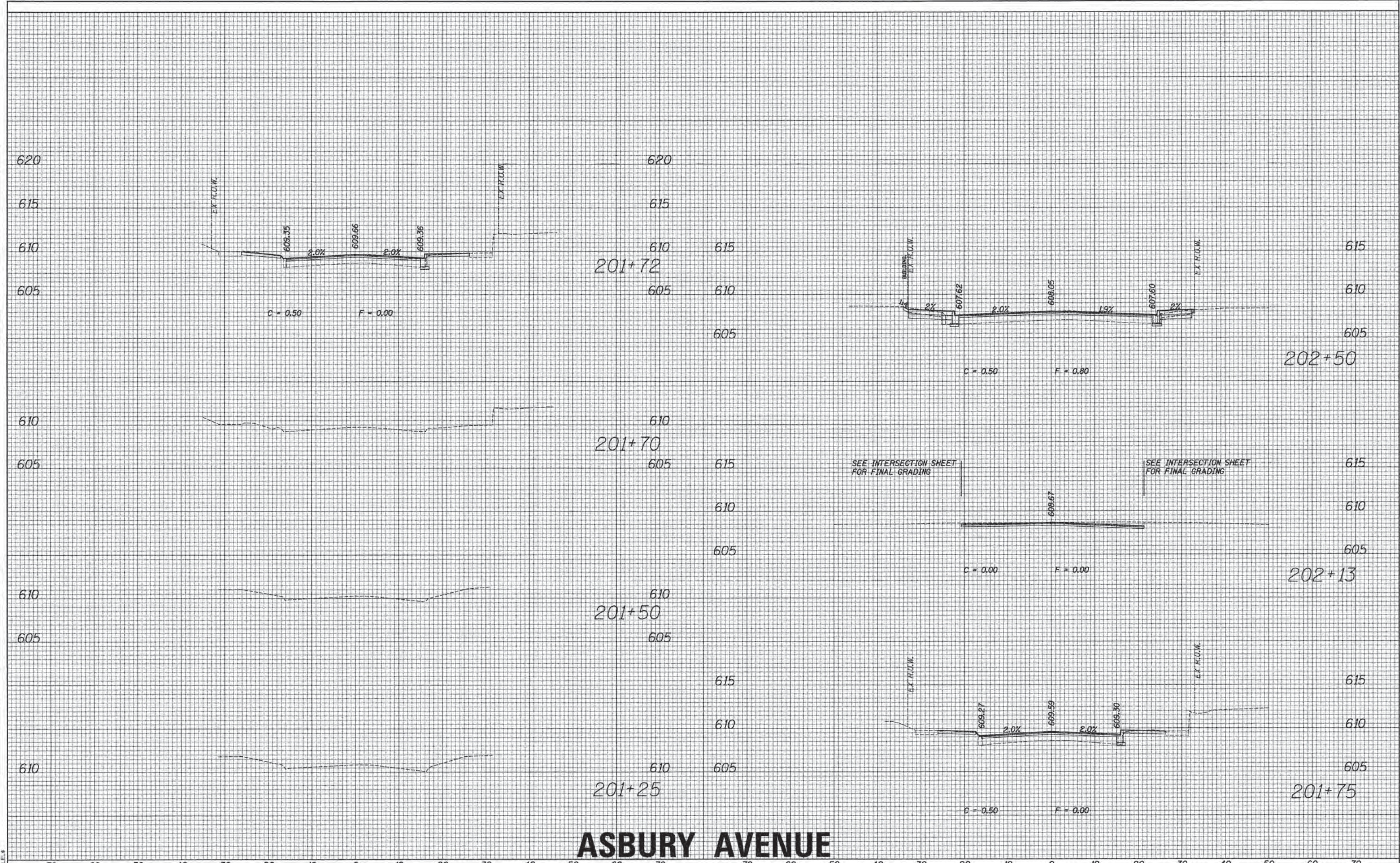
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CROSS SECTION SHEET			
SCALE:	SHEET	OF	SHEETS
			STA. 113+00 TO STA. 113+49

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00270-00-CH	COOK	393	383
				CONTRACT NO. 61C32
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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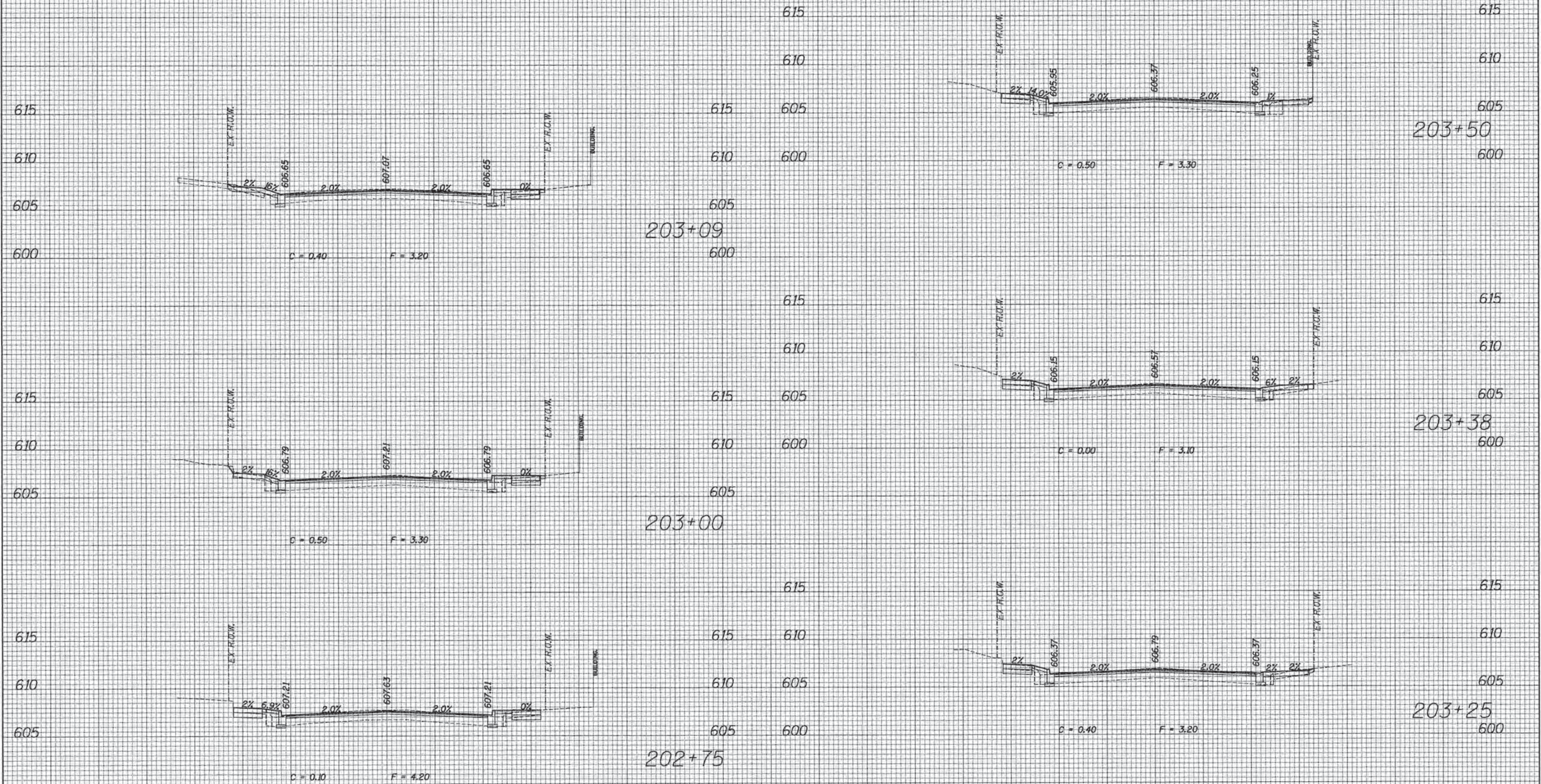
ASBURY AVENUE

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					
ESI ESI CONSULTANTS, LTD. <small>1001 W. FULLER ST. CHICAGO, IL 60607</small> <small>TEL: 312.467.8000 FAX: 312.467.8001</small> <small>WWW.ESI-CONSULTANTS.COM</small>															USER NAME = bhennschs DESIGNED DRAWN CHECKED DATE			REVISED REVISED REVISED REVISED			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION						PROPOSED CROSS SECTION SHEET						F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.	
PLOT SCALE = 10,000 / 1" = 100' PLOT DATE = 1/7/2016																								13-00270-00-CH COOK 393 384										
SCALE: SHEET OF SHEETS STA. 201+25 TO STA. 202+50																					CONTRACT NO. 61C32 ILLINOIS FED. AID PROJECT													

FILE NAME = #FILEL#

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
REVISIONS	
NO.	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
REVISIONS	
NO.	

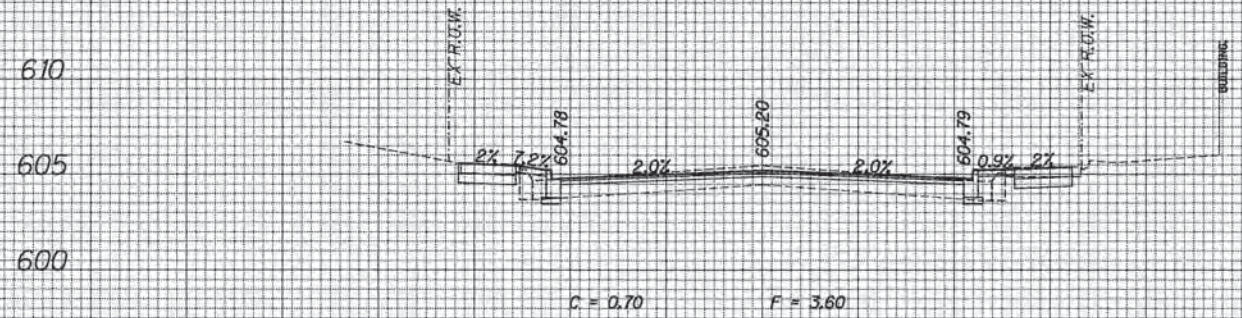


ASBURY AVENUE

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ESI CONSULTANTS, LTD. <small>ES&S, INC. 1980, 1987, 1991, 1994, 1997, 2000, 2003, 2006, 2009, 2012, 2015, 2018, 2021</small> <small>ES&S, INC. 1980, 1987, 1991, 1994, 1997, 2000, 2003, 2006, 2009, 2012, 2015, 2018, 2021</small>												USER NAME = bhanra@esi DESIGNED DRAWN CHECKED DATE			REVISED REVISED REVISED REVISED			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION						PROPOSED CROSS SECTION SHEET						F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.	
PLOT SCALE = 1/8" = 1'-0" PLOT DATE = 1/7/2016																		SCALE: SHEET OF SHEETS STA. 202+75 TO STA. 203+50						COUNTY COOK CONTRACT NO. G1C32							
ILLINOIS FED. AID PROJECT																															

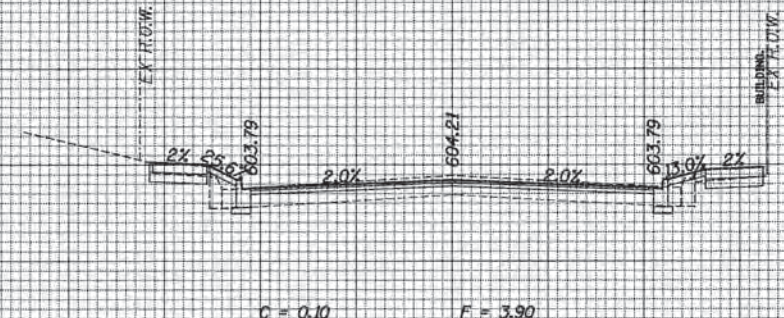
DATE	
BY	
FINISHED SURVEY	
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ORIGINAL SURVEY	
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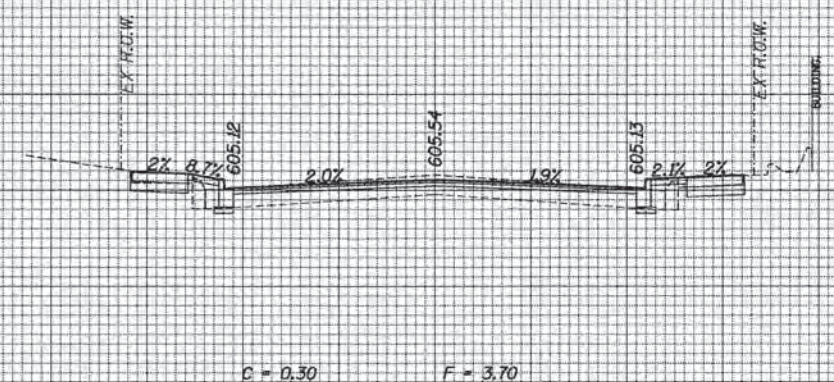
204+25

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600



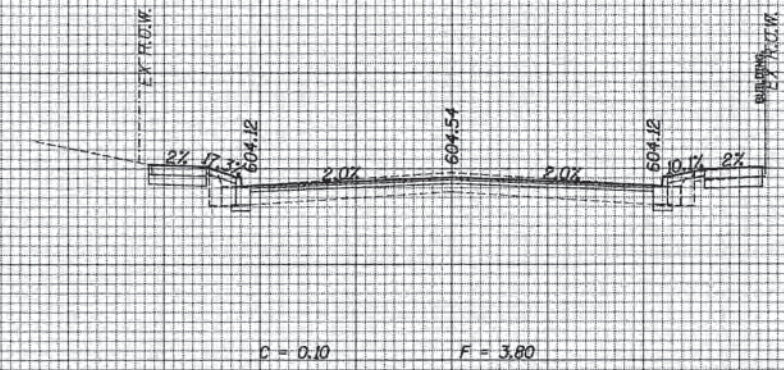
205+00

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600



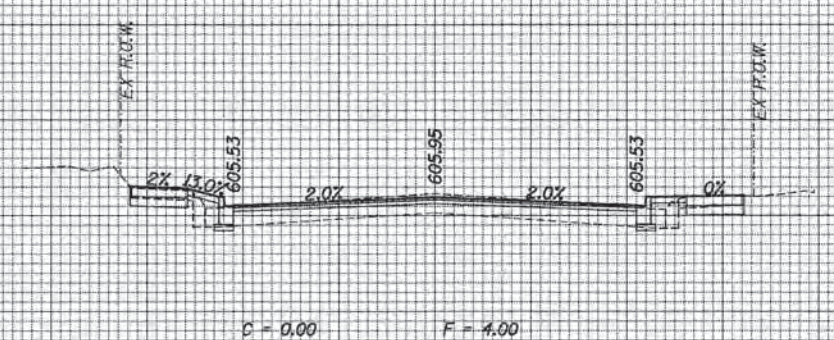
204+00

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600



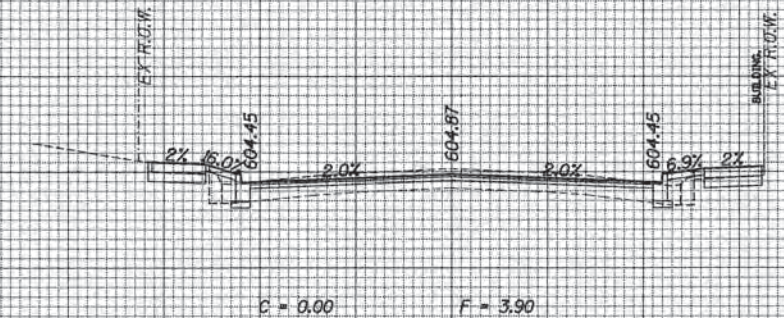
204+75

610
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600



203+75

615
610
605
600
605
600



204+50

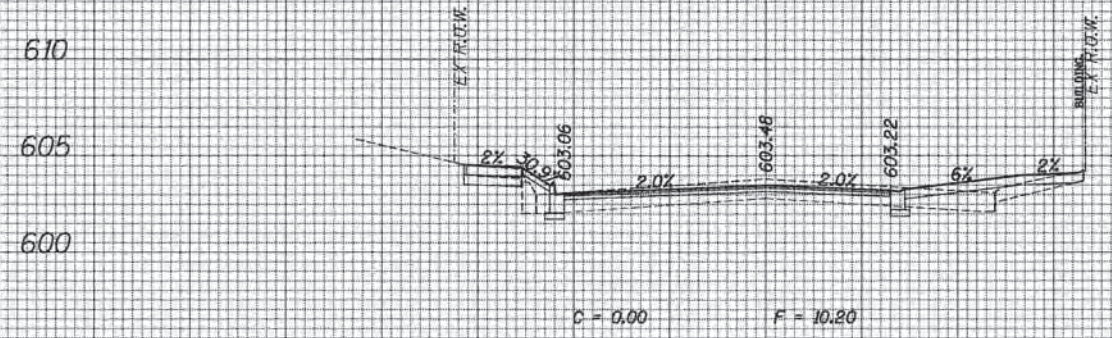
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ASBURY AVENUE

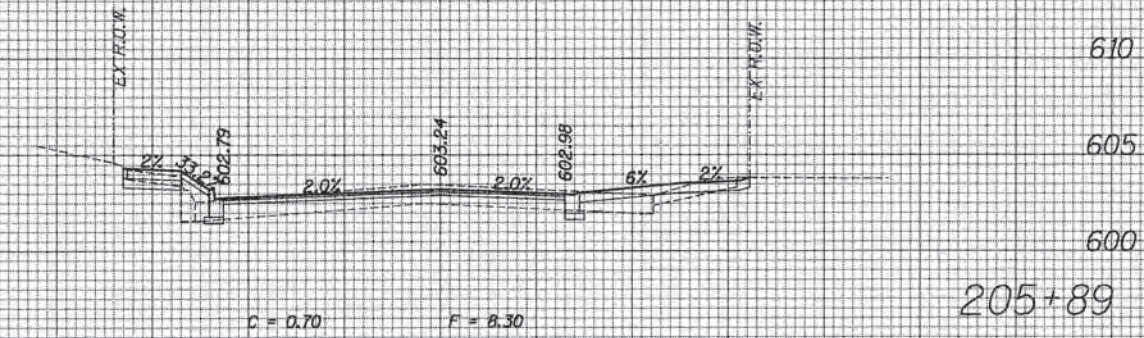
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ESI CONSULTANTS, LTD. USER NAME = bhansicha DESIGNED DRAWN CHECKED DATE PLOT SCALE = 10,000" / 1" = 1/1000 PLOT DATE = 1/7/2016												STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION						PROPOSED CROSS SECTION SHEET SCALE: SHEET OF SHEETS STA. 203+75 TO STA. 205+00						F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 13-00270-00-CH COOK 393 386 CONTRACT NO. 01C32 ILLINOIS FED. AID PROJECT					

DATE	
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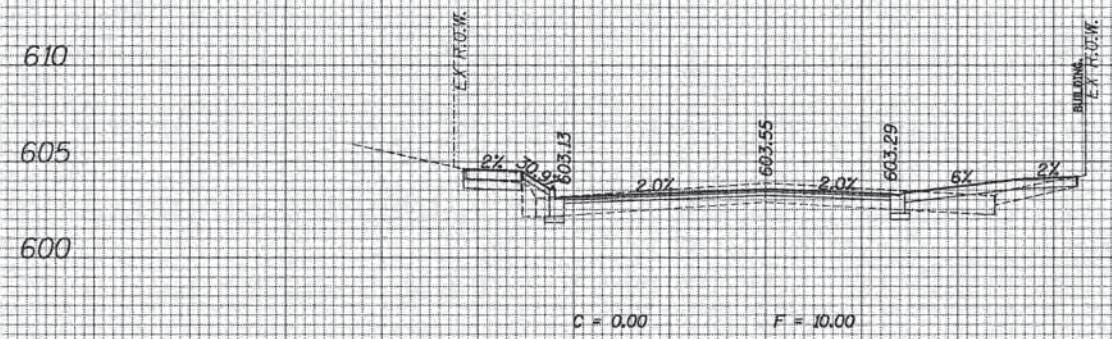
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BY	
SURVEYED	
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TEMPLATE	
NOTE BOOK	
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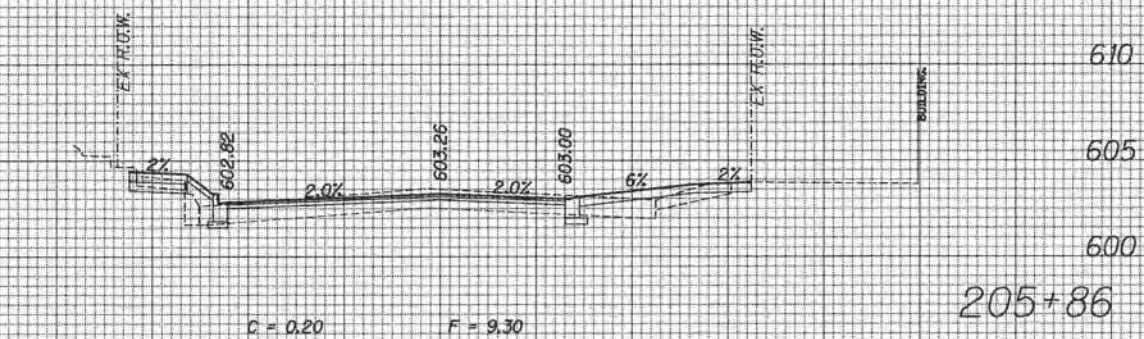
610 610
 605 605
 600 600
 205+57
 600 600



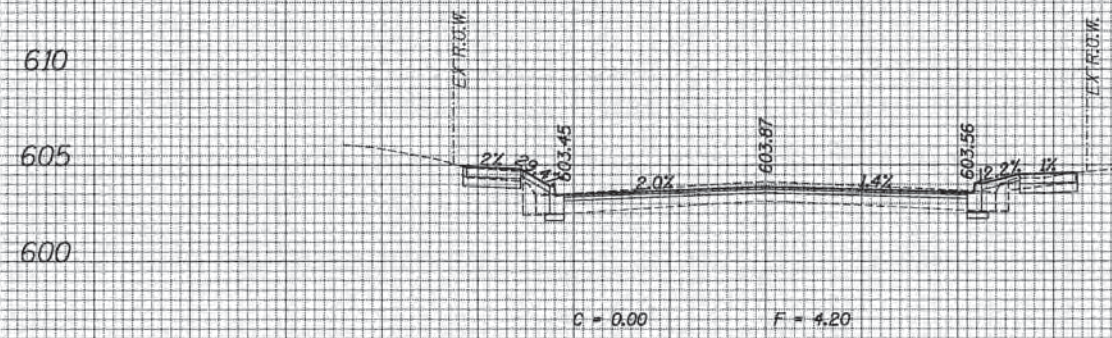
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 205+89
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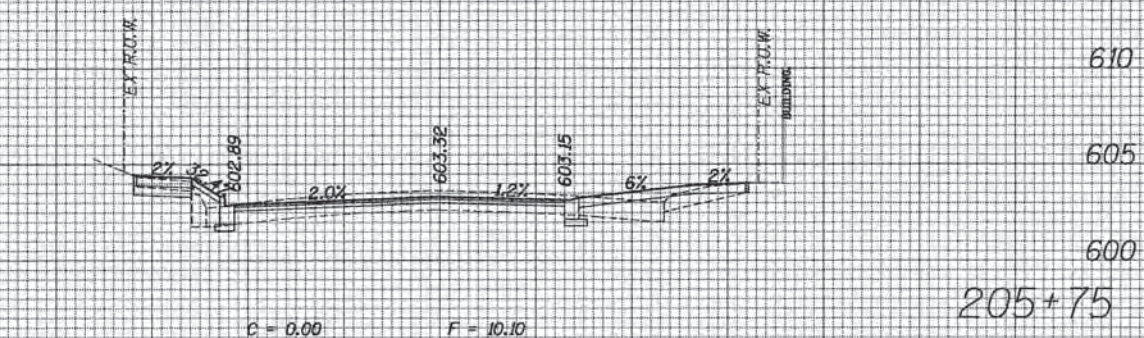
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 605 605
 600 600
 205+50
 600 600



610 610
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 600 600
 205+86
 600 600



610 610
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 205+25
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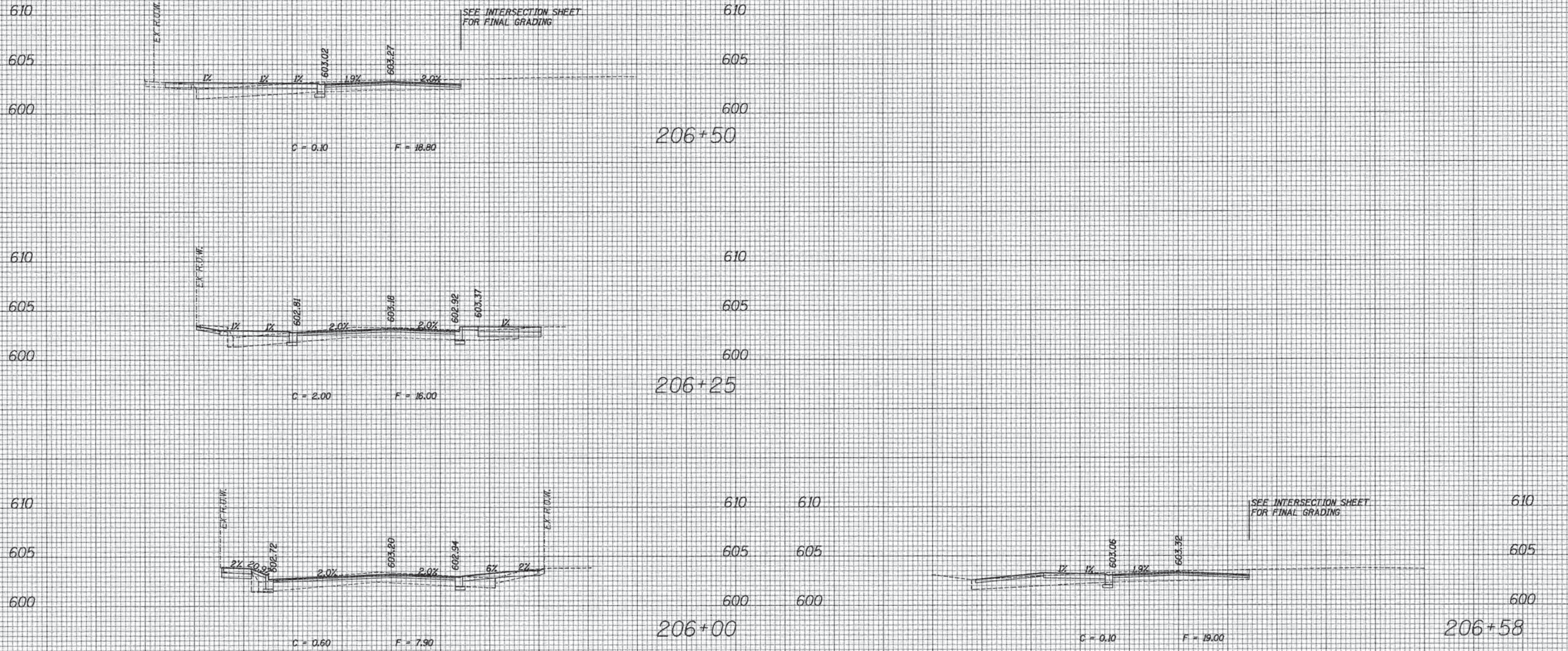
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 205+75
 600 600

ASBURY AVENUE

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												USER NAME = bhamrsoha DESIGNED DRAWN CHECKED DATE												REVISED REVISED REVISED REVISED												STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION												PROPOSED CROSS SECTION SHEET SCALE: SHEET OF SHEETS STA. 205+25 TO STA. 205+89												F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. CONTRACT NO.											
ES CONSULTANTS, LTD. 1140 W. 11th Street, Suite 100 Chicago, IL 60607												PLOT SCALE = 1/8" = 1'-0" PLOT DATE = 1/7/2016												ILLINOIS FED. AID PROJECT												13-00270-00-CH COOK 393 387 61C32																																			

FINAL SURVEY NO.	DATE
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY NO.	DATE
SURVEYED	
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NOTE BOOK	
AREAS CHECKED	

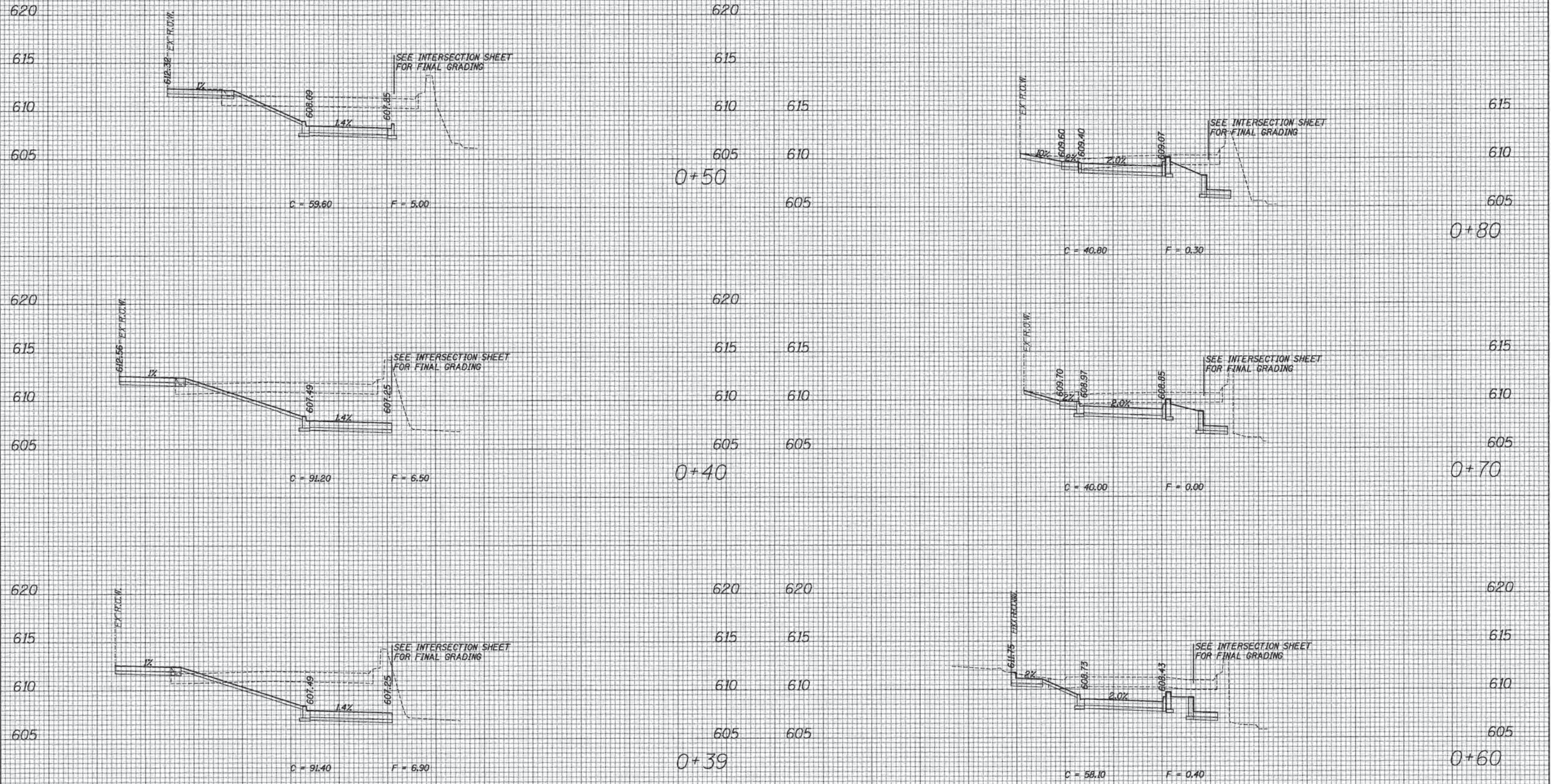


ASBURY AVENUE

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ESI BSI CONSULTANTS, LTD. USER NAME = bhanrisha DESIGNED DRAWN CHECKED DATE PLOT SCALE = 1/8" = 10.0000' / 1" / 16" PLOT DATE = 1/7/2016												STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION						PROPOSED CROSS SECTION SHEET SCALE: SHEET OF SHEETS STA. 206+00 TO STA. 206+57						F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 13-00270-00-CH COOK 393 388 CONTRACT NO. G1C32 ILLINOIS FED. AID PROJECT					

DATE	
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TEMPLATE	
NOTE BOOK	
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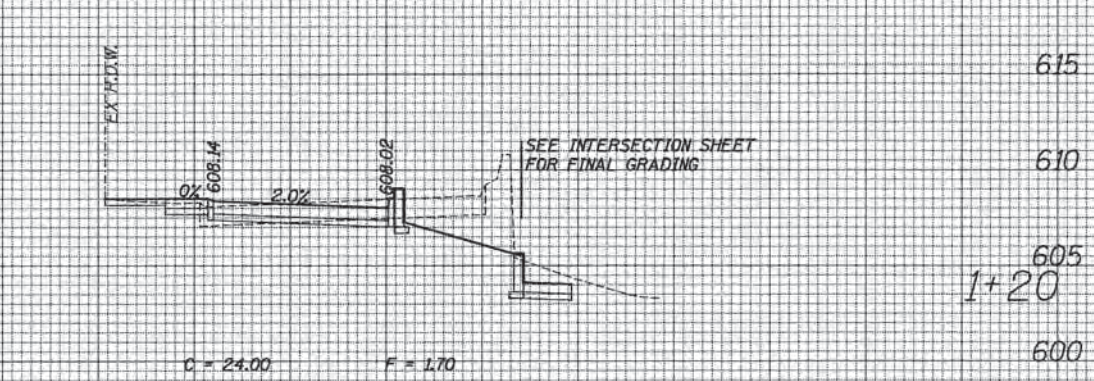
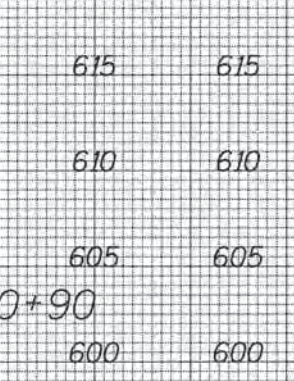
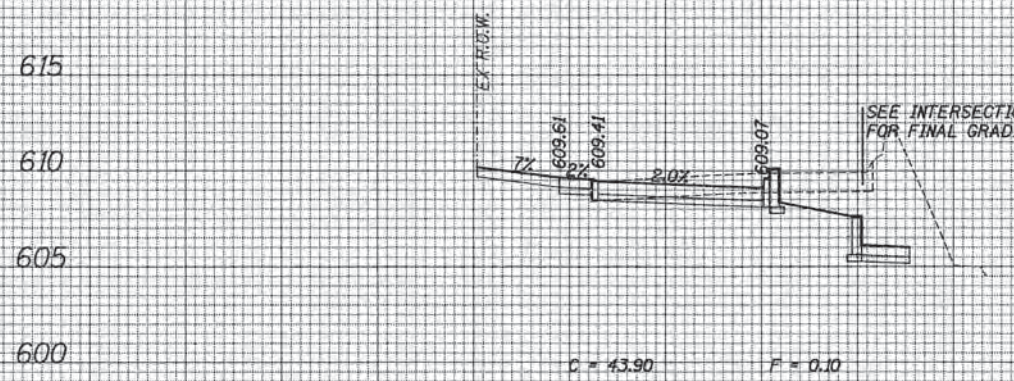
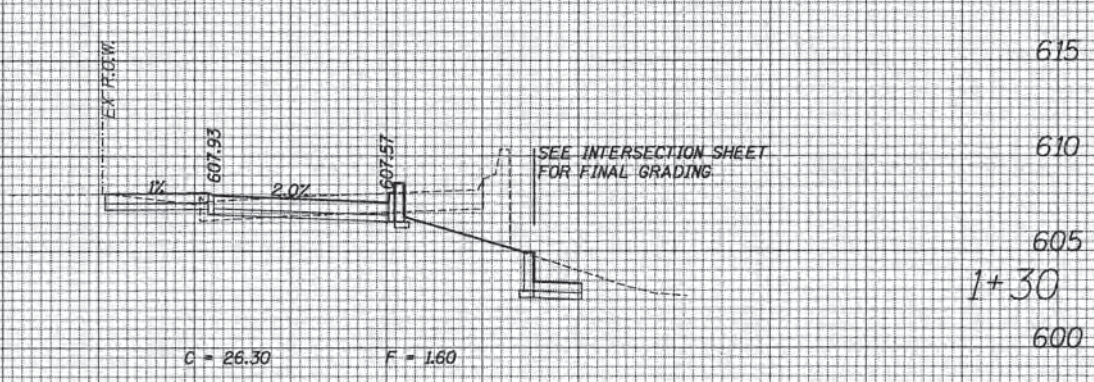
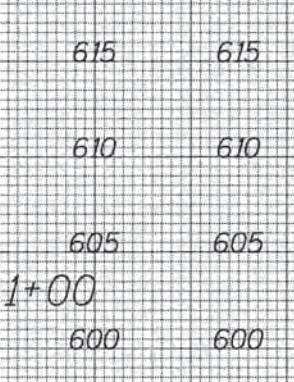
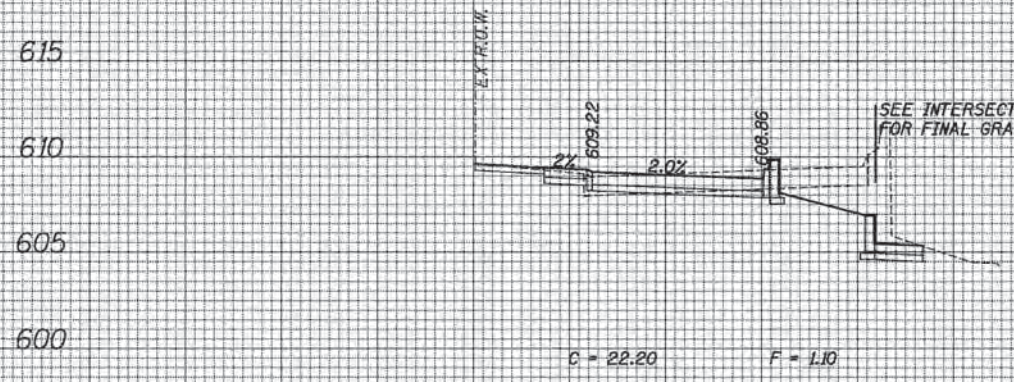
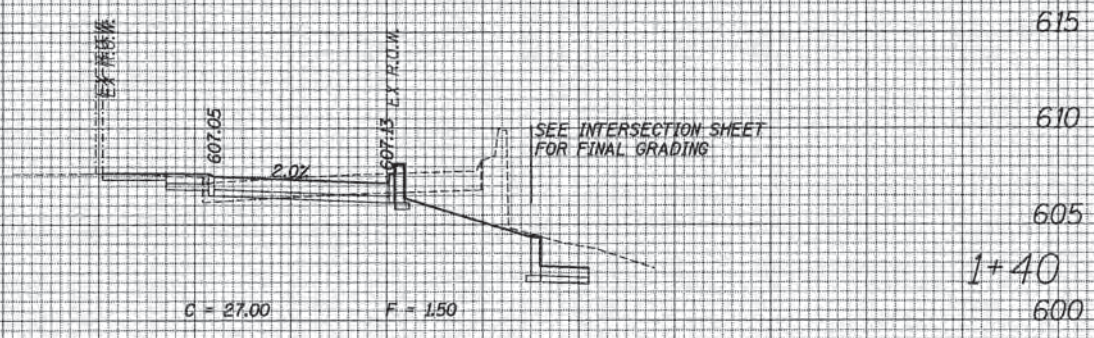
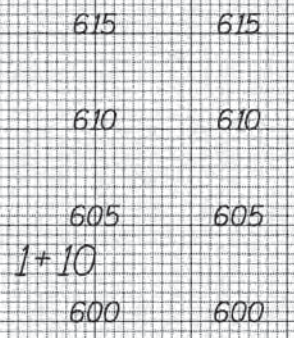
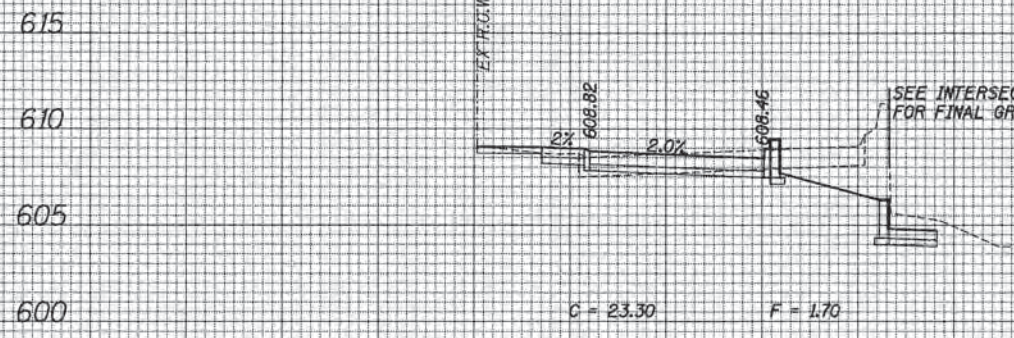


ACCESS DRIVE

ESI CONSULTANTS, LTD. <small>1000 W. FULLERTON AVE. SUITE 100, DEERFIELD, IL 60015</small>	USER NAME = bhanrzois	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTION SHEET	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 13-00270-00-CH COOK 393 389
	PLOT SCALE = 10.0000' / in. PLOT DATE = 1/7/2016	DRAWN	REVISED			

DATE	
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SURVEYED	
PLOTTED	
NOTE BOOK	
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NOTE BOOK	
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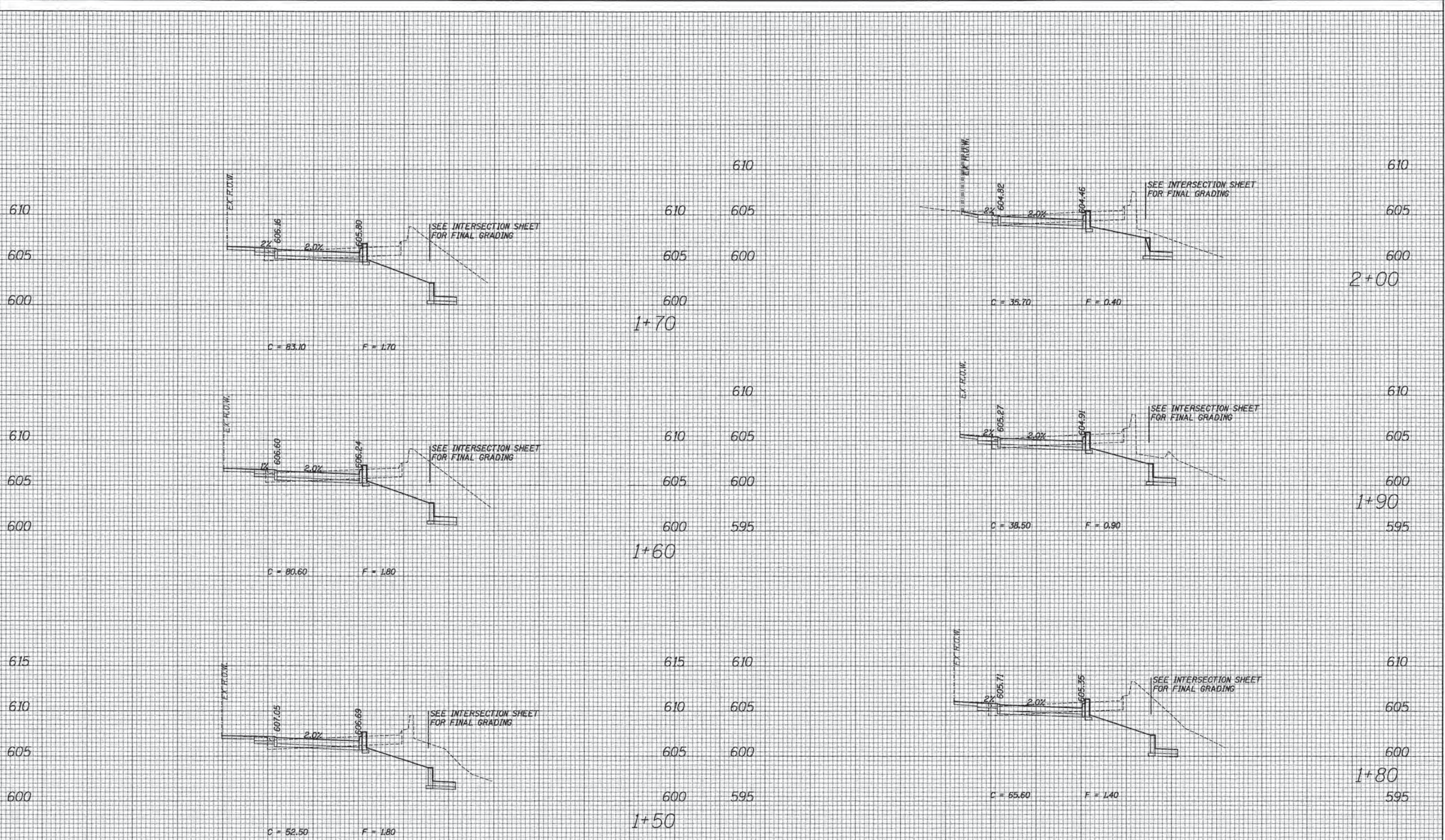


ACCESS DRIVE

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DATE	
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FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
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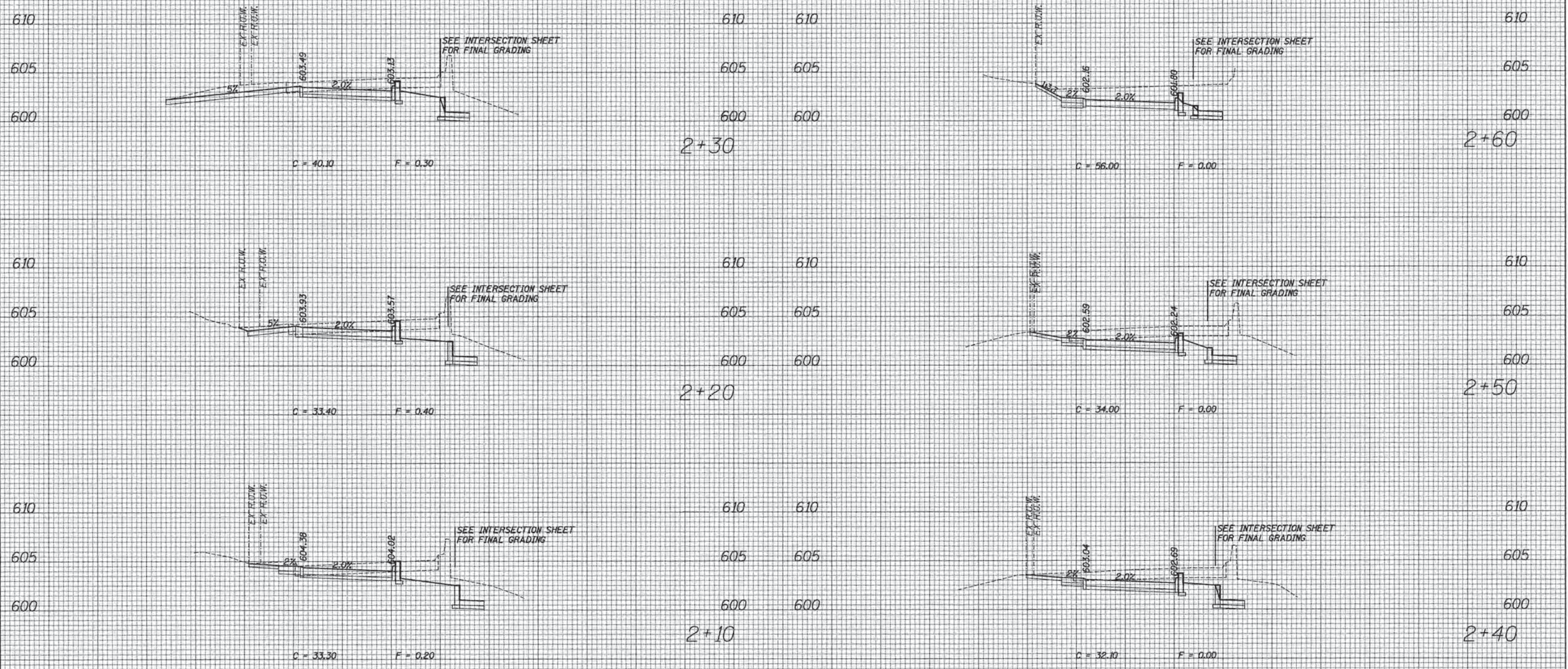


ACCESS DRIVE

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ESI ESI CONSULTANTS, LTD. <small>115 S. MICHIGAN, SUITE 100 CHICAGO, IL 60604</small>	USER NAME = bharracha	DESIGNED	REVISED																																														
	PLOT SCALE = 1/8" = 1'-0"	DRAWN	REVISED																																														
	PLOT DATE = 1/7/2016	CHECKED	REVISED																																														
		DATE	REVISED																																														
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																																													
	13-00270-00-CH	COOK	393	391																																													
CONTRACT NO. 61C32																																																	
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SCALE:	SHEET	OF	SHEETS	STA. 1+50	TO STA. 2+00	ILLINOIS FED. AID PROJECT																																											

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NOTE BOOK	
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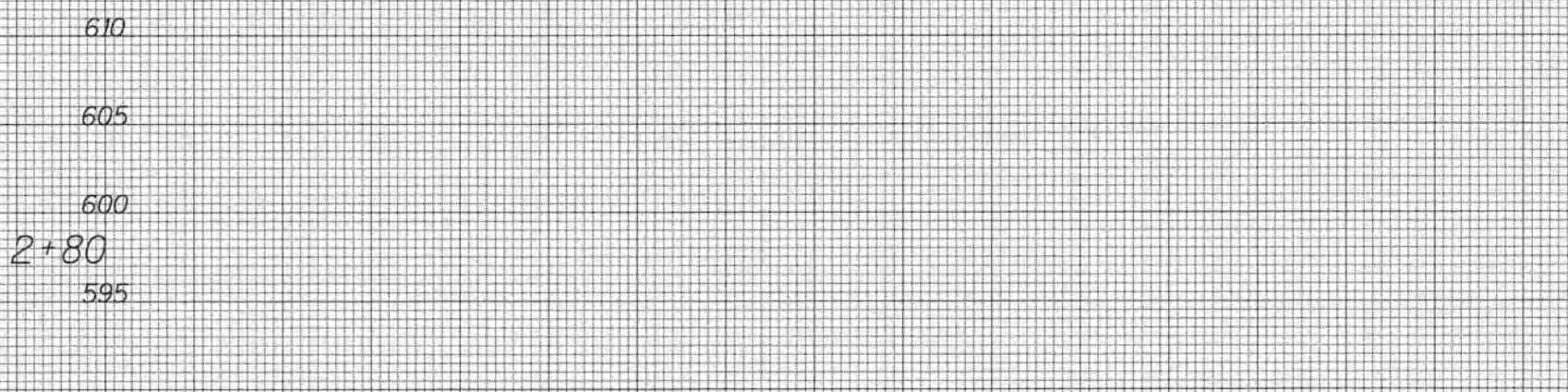
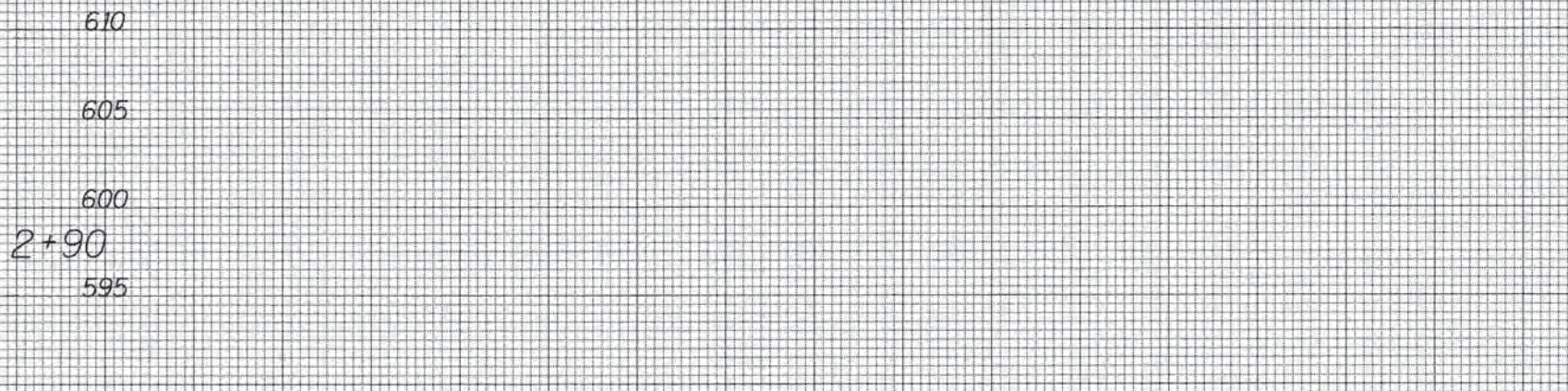
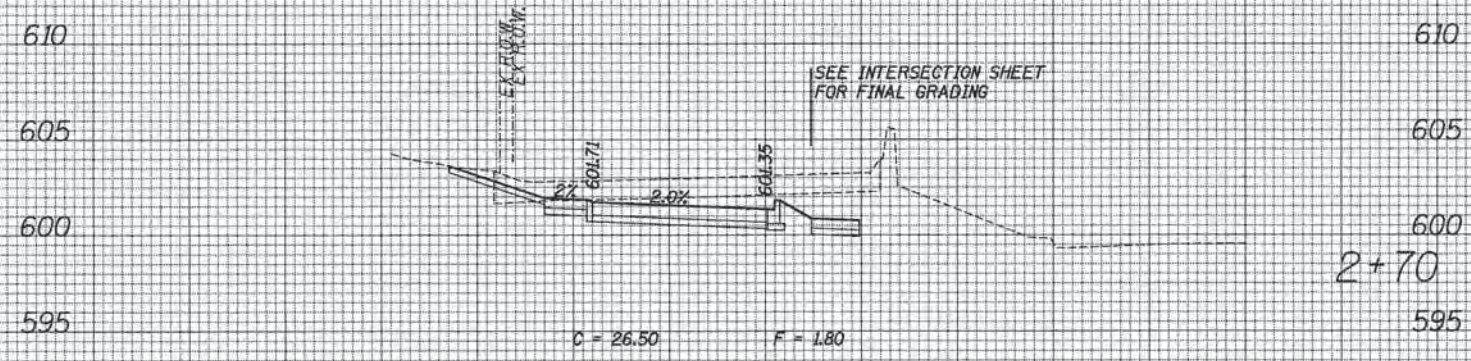
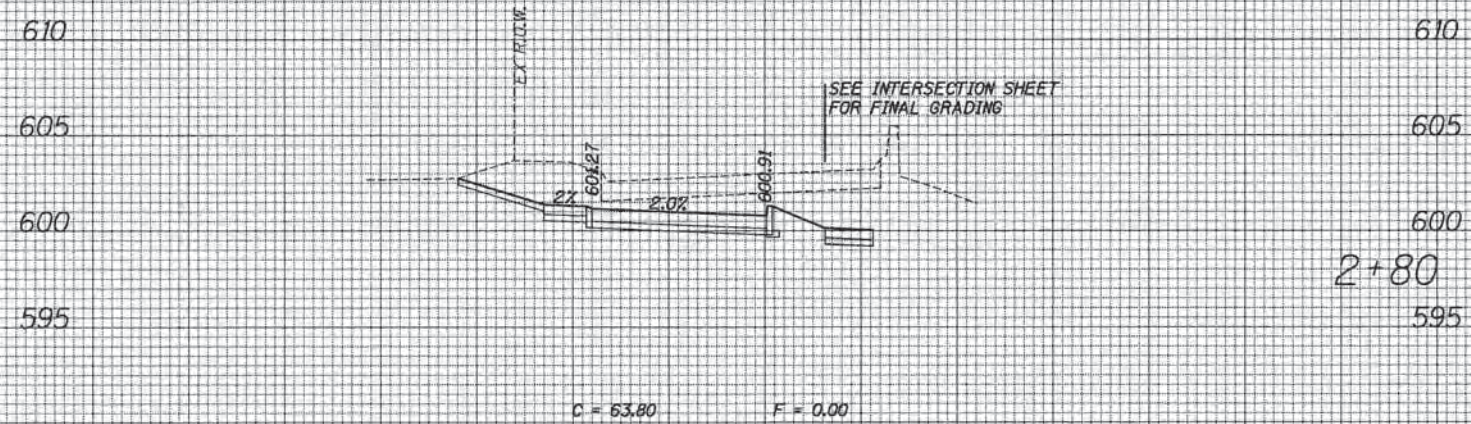
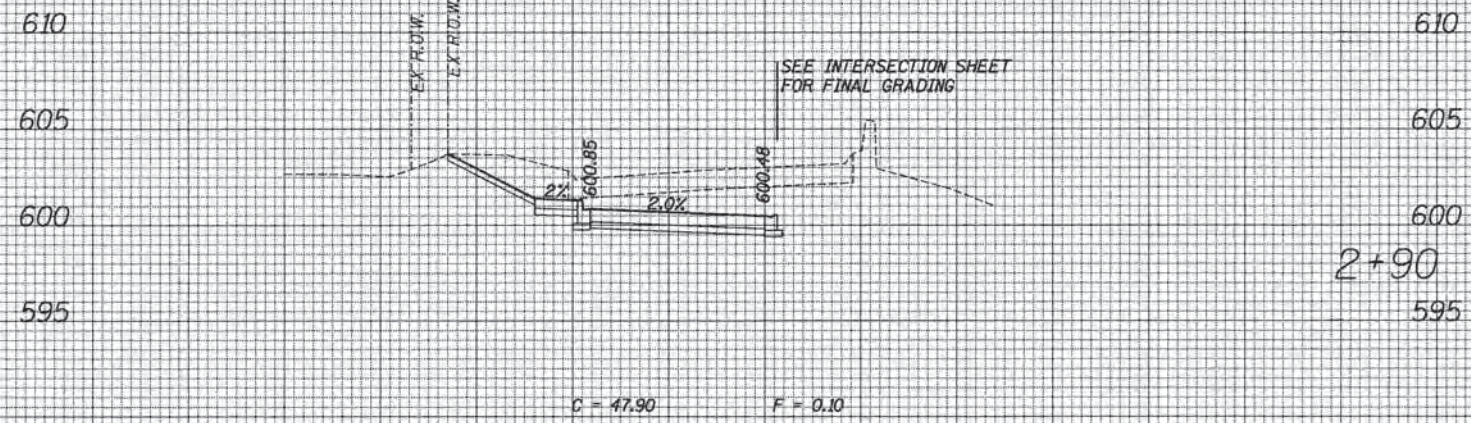


ACCESS DRIVE

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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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SURVEYED	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



ACCESS DRIVE

70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
		USER NAME = bhernchs DESIGNED DRAWN CHECKED DATE = 1/7/2016	DESIGNED REVISIONS REVISIONS REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTION SHEET SCALE: SHEET OF SHEETS STA. 2+70 TO STA. 2+96	F.A. RTE. SECTION 13-00270-00-CH COUNTY COOK TOTAL SHEETS 393 SHEET NO. 393 CONTRACT NO. 61C32 ILLINOIS FED. AID PROJECT																					