• Project to the North
• Preliminary Plans June 2009

CONTRACT NO. 66420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	450	1

P-93-048-01
D-93-021-04

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP ROUTE 311 (IL 71)
SECTION (1-1)R
PROJECT
KENDALL COUNTY

C - 93 - 022 - 04

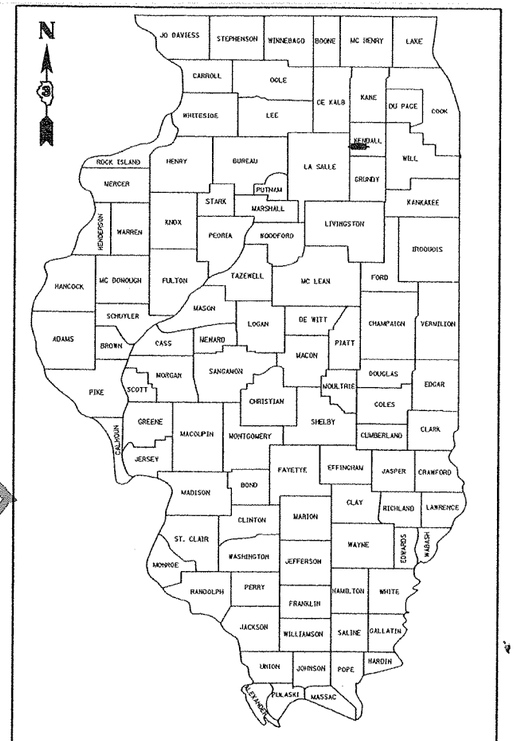
RECONSTRUCTION OF IL 71 FROM MINKLER/ ORCHARD ROAD TO U.S. 34 IN OSWEGO

VOLUME NO. 1

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PRELIMINARY NOT APPROVED

PRELIMINARY NOT APPROVED



LOCATION OF SECTION INDICATED THUS:-

FUNCTIONAL CLASSIFICATION: OTHER PRINCIPAL ARTERIAL

INTERSECTION IMPROVEMENTS
STA 880+24.08 (IL 71) =
STA 200+00.00 (WASHINGTON/PLAINFIELD RD.)

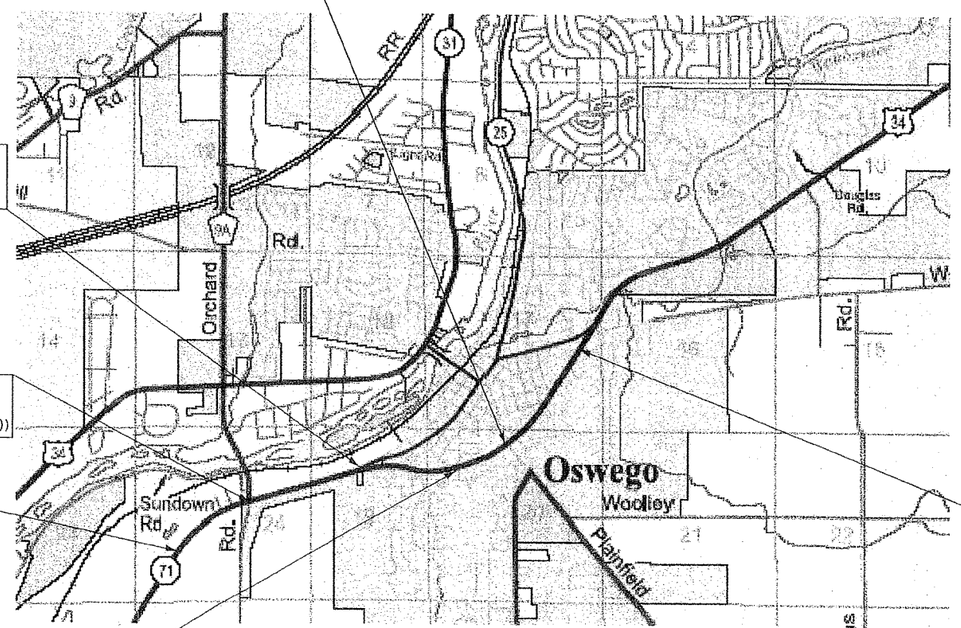
INTERSECTION IMPROVEMENTS
STA 837+97.36 (IL 71) =
STA 100+00.00 (DOUGLAS ST.)

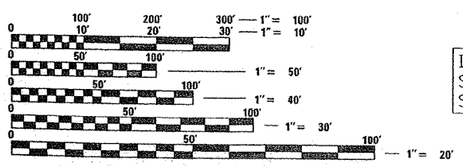
INTERSECTION IMPROVEMENTS
STA 798+20.85 (IL 71) =
STA 62+59.67 (ORCHARD/MINKLER RD)

BEGIN PROJECT
STA 780+44.91

END PROJECT
STA 918+85.88

INTERSECTION IMPROVEMENTS
STA 863+44.49 (IL 71) =
STA 50+00.00 (FOREST AVE.)





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

MICROFILMED _____
REEL NUMBER _____
AWARDED _____
RESIDENT ENGINEER _____
AS BUILT CHANGES WERE MADE
ON THE FOLLOWING SHEETS _____

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

DISTRICT 3 NO. (815) 434-6131

PROJECT ENGINEER: DAVID BROVIAK
UNIT CHIEF: BRAD DUNCAN
TOWNSHIP: OSWEGO

CONTRACT NO: 66420

GROSS LENGTH = 13841 FT. = 2.62 MI.
NET LENGTH = 13841 FT. = 2.62 MI.

2004 ADT = 12900
MU = 5.4%
SU = 5.4%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED _____ 20 _____

_____
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

_____ 20 _____

_____
ENGINEER OF DESIGN AND ENVIRONMENT

_____ 20 _____

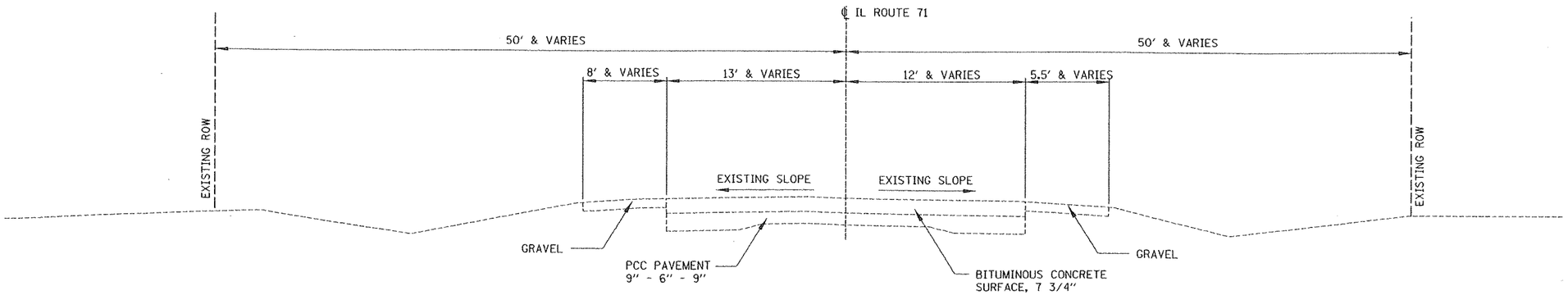
_____
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

TUG PROJ. • 3705014
PLOT DATE • 6/26/2008
FILE NAME • P:\CIVIL_IDOT_DIST3\Oswego\Phase I\cvrsht.sht

CONTRACT NO. 66420

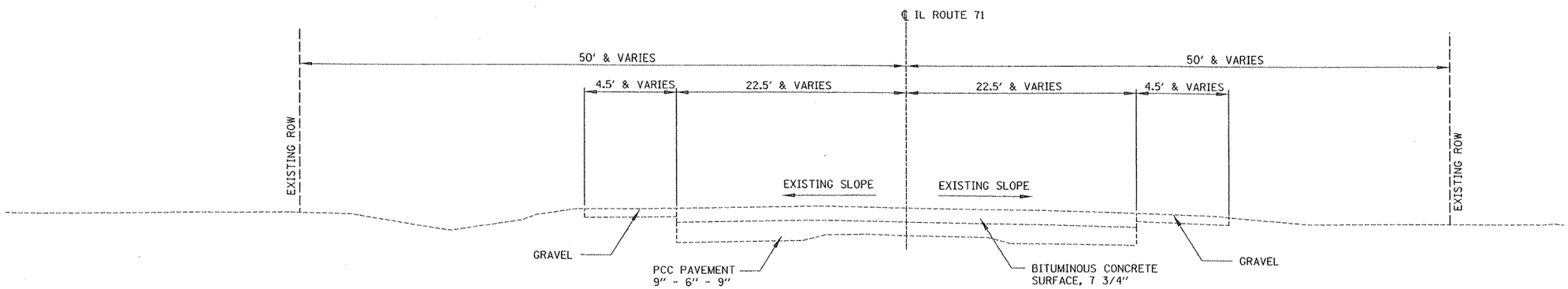
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	450	9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EXISTING TYPICAL SECTION - IL ROUTE 71

STA 774+45 TO STA 900+00
LOOKING EAST

PRELIMINARY
NOT APPROVED



EXISTING TYPICAL SECTION - IL ROUTE 71

STA 900+00 TO STA 915+17
LOOKING EAST

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

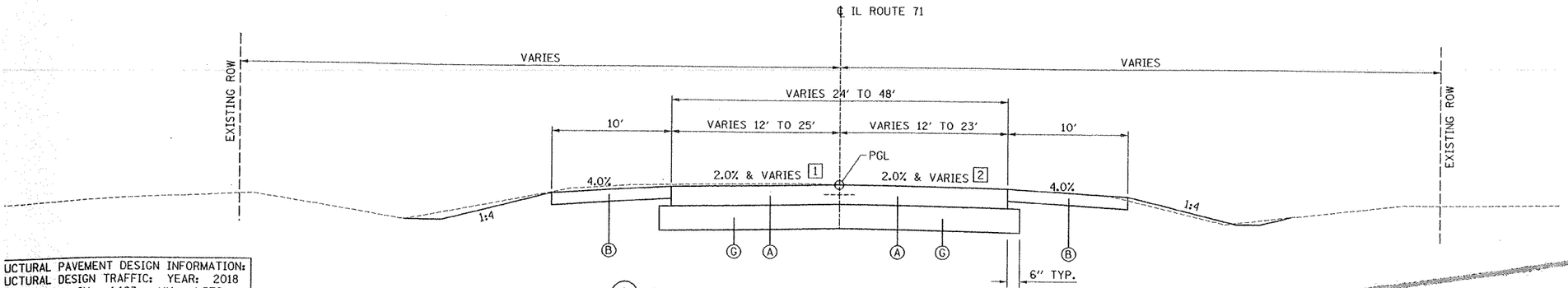
TYPICAL CROSS SECTIONS

SCALE: VERT. HORIZ.
DATE 06/30/08

DRAWN BY SAE
CHECKED BY MED

CONTRACT

F.A.P. RTE.	SECTION	COUNTY	Sh.
311	(1-)R	KENDALL	456
STA.		TO STA.	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



1 PROPOSED TYPICAL SECTION - IL ROUTE 71

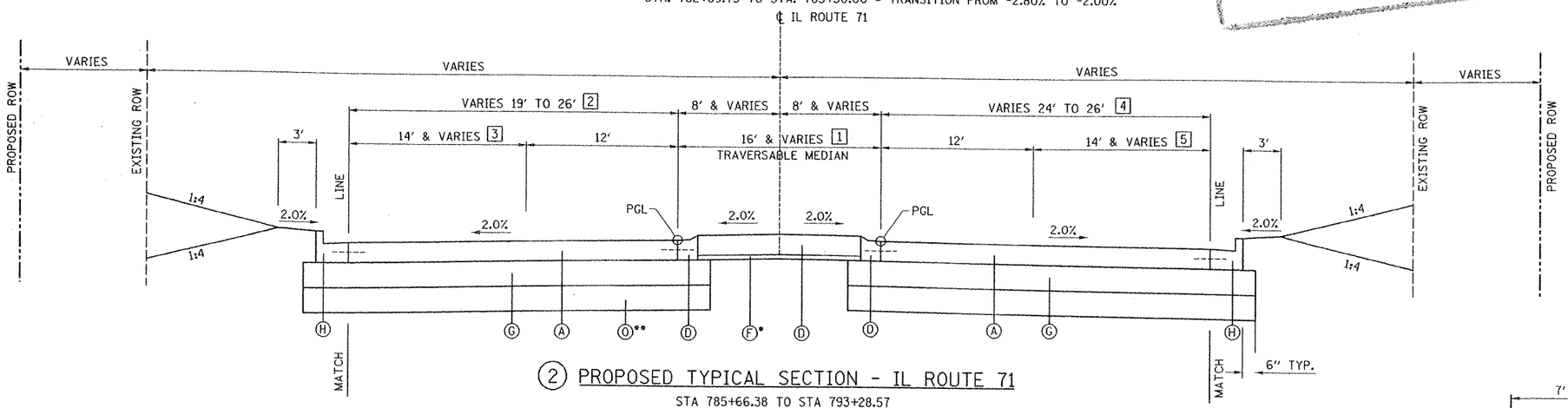
STA 780+44.91 TO STA 785+66.38
LOOKING EAST

1 STA. 780+44.91 TO STA. 782+89.75 = 2.80%
STA. 782+89.75 TO STA. 785+50.00 = TRANSITION FROM 2.80% TO -2.00%

2 STA. 780+44.91 TO STA. 782+89.75 = -2.80%
STA. 782+89.75 TO STA. 785+50.00 = TRANSITION FROM -2.80% TO -2.00%

UCTURAL PAVEMENT DESIGN INFORMATION:
UCTURAL DESIGN TRAFFIC: YEAR: 2018
= 18,942 SU = 1,183 MU = 1,376
D/STREET CLASSIFICATION: CLASS 1
CENT OF STRUCTURAL DESIGN TRAFFIC
DESIGN LANE:
= 32% S = 45% M = 45%
FFIC FACTOR:
GID TF: 10.17 MINIMUM TF: 6.03
GRADE SUPPORT RATING: POOR

PRELIMINARY
NOT APPROVED



2 PROPOSED TYPICAL SECTION - IL ROUTE 71

STA 785+66.38 TO STA 793+28.57
STA. 822+37.00 TO STA. 833+36.00
STA. 837+97.36 (DOUGLAS) TO STA. 842+95.63 (PARADISE)
STA. 847+27.39 TO STA. 849+06.50
STA. 867+04.57 TO STA. 873+04.93
STA. 886+56.58 TO STA. 889+50.00
LOOKING EAST

1 STA. 785+66.38 TO STA. 788+50.09 = TRANSITION FROM 4.00' TO 16.00'
STA. 788+50.09 TO STA. 793+28.57 = 16.00'
STA. 822+37.00 TO STA. 833+36.00 = 16.00'
STA. 837+97.36 TO STA. 838+71.35 = 16.00' (SIDEROAD OPENING)
STA. 838+71.35 TO STA. 842+55.18 = 16.00'
STA. 842+55.18 TO STA. 842+95.63 = 16.00' (SIDEROAD OPENING)
STA. 847+27.39 TO STA. 847+94.89 = TRANSITION FROM 16.00' TO 13.00'
STA. 847+94.89 TO STA. 849+06.50 = 13.00'
STA. 867+04.57 TO STA. 873+04.93 = 16.00'
STA. 886+56.58 TO STA. 887+56.58 = TRANSITION FROM 18.00' TO 13.00'
STA. 887+56.58 TO STA. 889+50.00 = 13.00'

2 STA. 785+66.38 TO STA. 788+50.00 = TRANSITION FROM 19.00' TO 26.00'
STA. 788+50.00 TO STA. 793+28.57 = 26.00'
STA. 822+37.00 TO STA. 833+36.00 = 26.00'
STA. 838+71.35 TO STA. 842+55.18 = 24.00'
STA. 847+27.39 TO STA. 849+06.50 = 24.00'
STA. 867+04.57 TO STA. 873+04.93 = 24.00'
STA. 886+56.58 TO STA. 889+50.00 = 24.00'

3 STA. 785+66.38 TO STA. 788+50.00 = TRANSITION FROM 7.00' TO 14.00'
STA. 788+50.00 TO STA. 793+28.57 = 14.00'
STA. 822+37.00 TO STA. 833+36.00 = 14.00'
STA. 838+71.35 TO STA. 842+55.18 = 12.00'
STA. 847+27.39 TO STA. 849+06.50 = 12.00'
STA. 867+04.57 TO STA. 873+04.93 = 12.00'
STA. 886+56.58 TO STA. 889+50.00 = 12.00'

4 STA. 785+66.38 TO STA. 788+50.00 = TRANSITION FROM 25.39' TO 26.00'
STA. 788+50.00 TO STA. 793+28.57 = 26.00'
STA. 822+37.00 TO STA. 833+36.00 = 26.00'
STA. 838+71.35 TO STA. 842+55.18 = 24.00'
STA. 847+27.39 TO STA. 849+06.50 = 24.00'
STA. 867+04.57 TO STA. 873+04.93 = 24.00'
STA. 886+56.58 TO STA. 889+50.00 = 24.00'

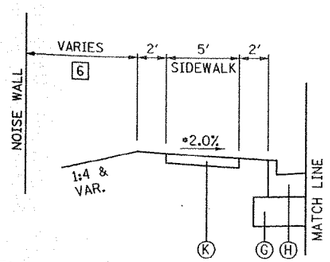
5 STA. 785+66.38 TO STA. 788+50.00 = TRANSITION FROM 13.39' TO 14.00'
STA. 788+50.00 TO STA. 793+28.57 = 14.00'
STA. 822+37.00 TO STA. 833+36.00 = 14.00'
STA. 838+71.35 TO STA. 842+55.18 = 12.00'
STA. 847+27.39 TO STA. 849+06.50 = 12.00'
STA. 867+04.57 TO STA. 873+04.93 = 12.00'
STA. 886+56.58 TO STA. 889+50.00 = 12.00'

LEGEND

- Ⓐ PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
- Ⓑ HOT-MIX ASPHALT SHOULDER SUPERPAVE, 8"
- Ⓒ CONCRETE MEDIAN SURFACE, 4" (RAISED MEDIAN)
- Ⓓ CONCRETE MEDIAN, TYPE M-2.12 (TRAVERSABLE MEDIAN), 9 3/4"
- Ⓔ CONCRETE MEDIAN, TYPE M-2.12 CORRUGATED (SPECIAL) (CORRUGATED MEDIAN)
- Ⓕ SUB-BASE GRANULAR MATERIAL, TYPE B
- Ⓖ SUB-BASE GRANULAR MATERIAL, TYPE A (CRUSHED), 12"
- Ⓗ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- Ⓙ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- Ⓚ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- Ⓛ AGGREGATE SHOULDERS TYPE B, 6"
- Ⓜ INCIDENTAL HOT-MIX ASPHALT SURFACING (224 LBS / SY)
- Ⓝ AGGREGATE BASE COURSE, TYPE A, 6"
- **Ⓞ SUBGRADE GRANULAR REPLACEMENT, 12"

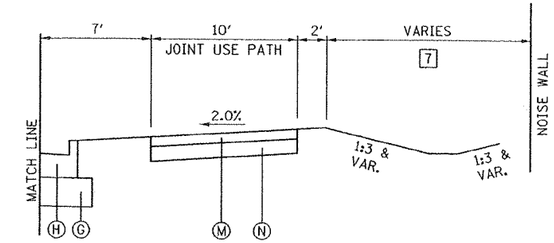
* GRANULAR MATERIAL TO BE USED WHERE NEEDED AS FILL UNDER THE MEDIAN SURFACE OF THE VARIOUS MEDIAN TYPES.

** LIMITS: 824+00.00 TO 830+50.00
867+04.57 TO 873+00.00



STA. 838+71.35 (DOUGLAS) TO STA. 842+55.18 (PARADISE)
LT. STA. 847+27.39 TO STA. 849+06.50
LT. STA. 867+04.57 TO STA. 873+04.93
LT. STA. 886+56.58 TO STA. 889+50.00
.0% : LT. STA. 839+00.00 TO STA. 841+30.00

NOISE WALL LOCATION
46.66' LT. STA. 840+07.04 TO STA. 842+55.18
60.50' LT. STA. 847+27.39 TO STA. 848+80.00



RT. STA. 838+64.40 (DOUGLAS) TO STA. 842+48.81 (PARADISE)
RT. STA. 847+27.39 TO STA. 849+06.50
RT. STA. 867+04.51 TO STA. 873+04.87
RT. STA. 886+55.80 TO STA. 889+49.42

7 NOISE WALL LOCATION
65.00' RT. STA. 847+27.39 TO STA. 849+06.50
65.00' RT. STA. 867+04.57 TO STA. 873+04.93

REVISIONS	
NAME	DATE

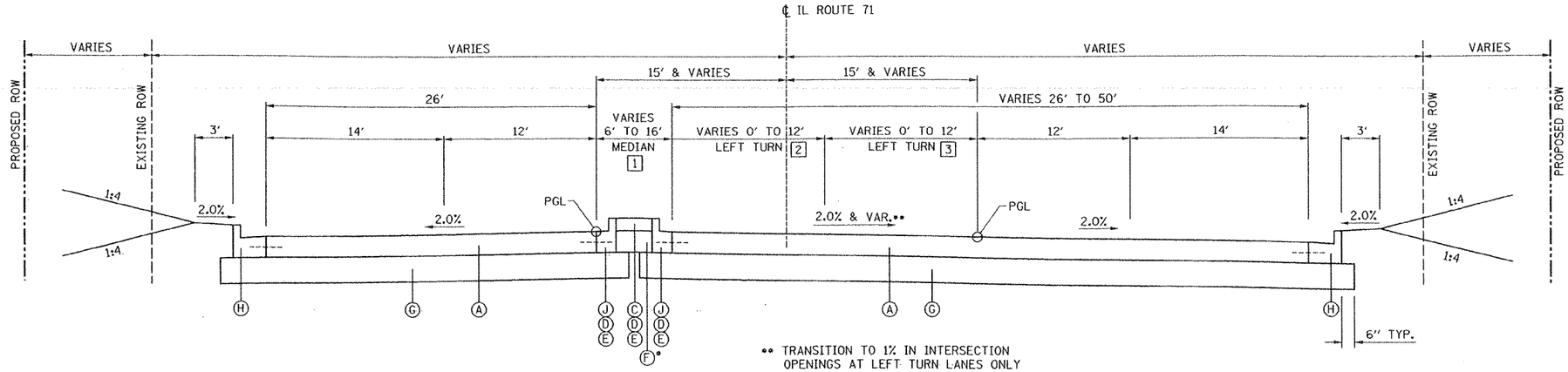
ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: VERT. HORIZ.
DATE 06/30/08
DRAWN BY SAE
CHECKED BY MED

CONTRACT NO. 66420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-)R	KENDALL	450	16
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



•• TRANSITION TO 1% IN INTERSECTION OPENINGS AT LEFT TURN LANES ONLY

3 PROPOSED TYPICAL SECTION - IL ROUTE 71

STA 793+28.57 TO STA 798+20.85 (ORCHARD)
LOOKING EAST

1 STA. 793+28.57 TO STA. 793+96.53 = TRANSITION FROM 16.00' TO 14.25' (TRAVERSABLE MEDIAN)
STA. 793+96.53 TO STA. 795+18.53 = TRANSITION FROM 14.25' TO 6.00' (CORRUGATED MEDIAN)
STA. 795+18.53 TO STA. 795+28.53 = 6.00' (TRANSITION FROM CORRUGATED MEDIAN TO RAISED MEDIAN)
STA. 795+28.53 TO STA. 797+16.55 = 6.00' (RAISED MEDIAN)
STA. 797+16.55 TO STA. 798+20.85 = 6.00' (SIDEROAD OPENING)

2 STA. 793+28.57 TO STA. 794+33.47 = 0.00'
STA. 794+33.47 TO STA. 795+28.53 = TRANSITION FROM 0.00' TO 12.00'
STA. 795+28.53 TO STA. 797+16.55 = 12.00'

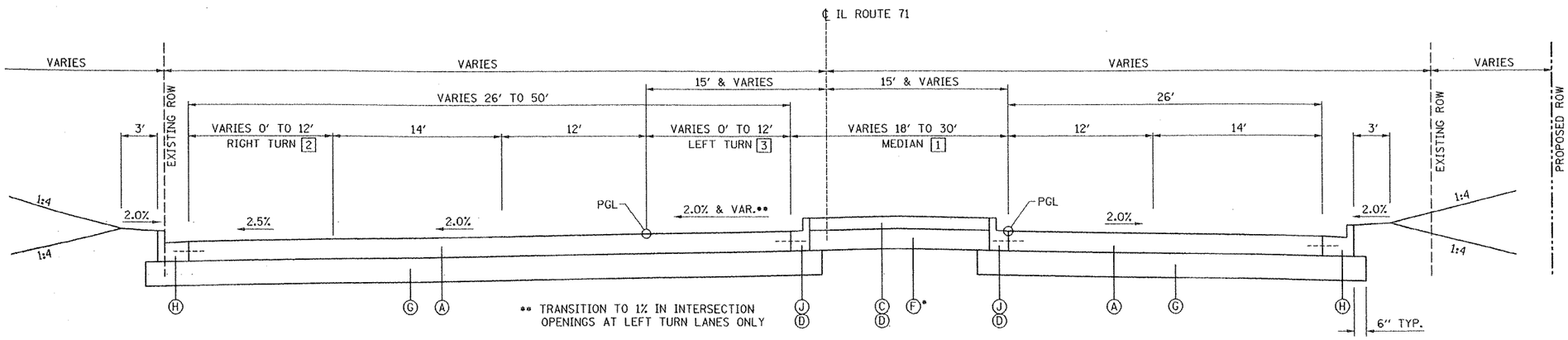
3 STA. 793+28.57 TO STA. 794+33.47 = TRANSITION FROM 0.00' TO 12.00'
STA. 794+33.47 TO STA. 797+16.55 = 12.00'

CTURAL PAVEMENT DESIGN INFORMATION:
CTURAL DESIGN TRAFFIC: YEAR: 2018
= 18,942 SU = 1,183 MU = 1,376
'STREET CLASSIFICATION: CLASS 1
ENT OF STRUCTURAL DESIGN TRAFFIC
ESIGN LANE:
32% S = 45% M = 45%
TIC FACTOR:
) TF: 10.17 MINIMUM TF: 6.03
'ADE SUPPORT RATING: POOR

PRELIMINARY NOT APPROVED

LEGEND

- (A) PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
- (B) HOT-MIX ASPHALT SHOULDER SUPERPAVE, 8"
- (C) CONCRETE MEDIAN SURFACE, 4" (RAISED MEDIAN)
- (D) CONCRETE MEDIAN, TYPE M-2.12 (TRAVERSABLE MEDIAN), 9 3/4"
- (E) CONCRETE MEDIAN, TYPE M-2.12 CORRUGATED (SPECIAL) (CORRUGATED MEDIAN)
- (F) SUB-BASE GRANULAR MATERIAL, TYPE B
- (G) SUB-BASE GRANULAR MATERIAL, TYPE A (CRUSHED), 12"
- (H) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (J) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (K) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (L) AGGREGATE SHOULDERS TYPE B, 6"
- (M) INCIDENTAL HOT-MIX ASPHALT SURFACING (224 LBS / SY)
- (N) AGGREGATE BASE COURSE, TYPE A, 6"



•• TRANSITION TO 1% IN INTERSECTION OPENINGS AT LEFT TURN LANES ONLY

4 PROPOSED TYPICAL SECTION - IL ROUTE 71

STA 798+20.85 (ORCHARD) TO STA 805+25.34
LOOKING EAST

1 STA. 798+20.85 TO STA. 799+11.34 = 18.00' (SIDEROAD OPENING)
STA. 799+11.34 TO STA. 802+20.34 = 18.00'
STA. 802+20.34 TO STA. 804+20.34 = TRANSITION FROM 18.00' TO 30.00'
STA. 804+20.34 TO STA. 805+25.34 = TRANSITION FROM 30.00' TO 25.33'
STA. 803+82.05 TO STA. 803+92.05 = TRANSITION FROM RAISED MEDIAN TO TRAVERSABLE MEDIAN
STA. 804+16.05 TO STA. 804+26.05 = TRANSITION FROM TRAVERSABLE MEDIAN TO RAISED MEDIAN

2 STA. 799+11.34 TO STA. 803+25.34 = 12.00'
STA. 803+25.34 TO STA. 805+25.34 = TRANSITION FROM 12.00' TO 0.00'

3 STA. 799+11.34 TO STA. 802+20.34 = 12.00'
STA. 802+20.34 TO STA. 804+20.34 = TRANSITION FROM 12.00' TO 0.00'
STA. 804+20.34 TO STA. 805+25.34 = 0.00'

• GRANULAR MATERIAL TO BE USED WHERE NEEDED AS FILL UNDER THE MEDIAN SURFACE OF THE VARIOUS MEDIAN TYPES.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

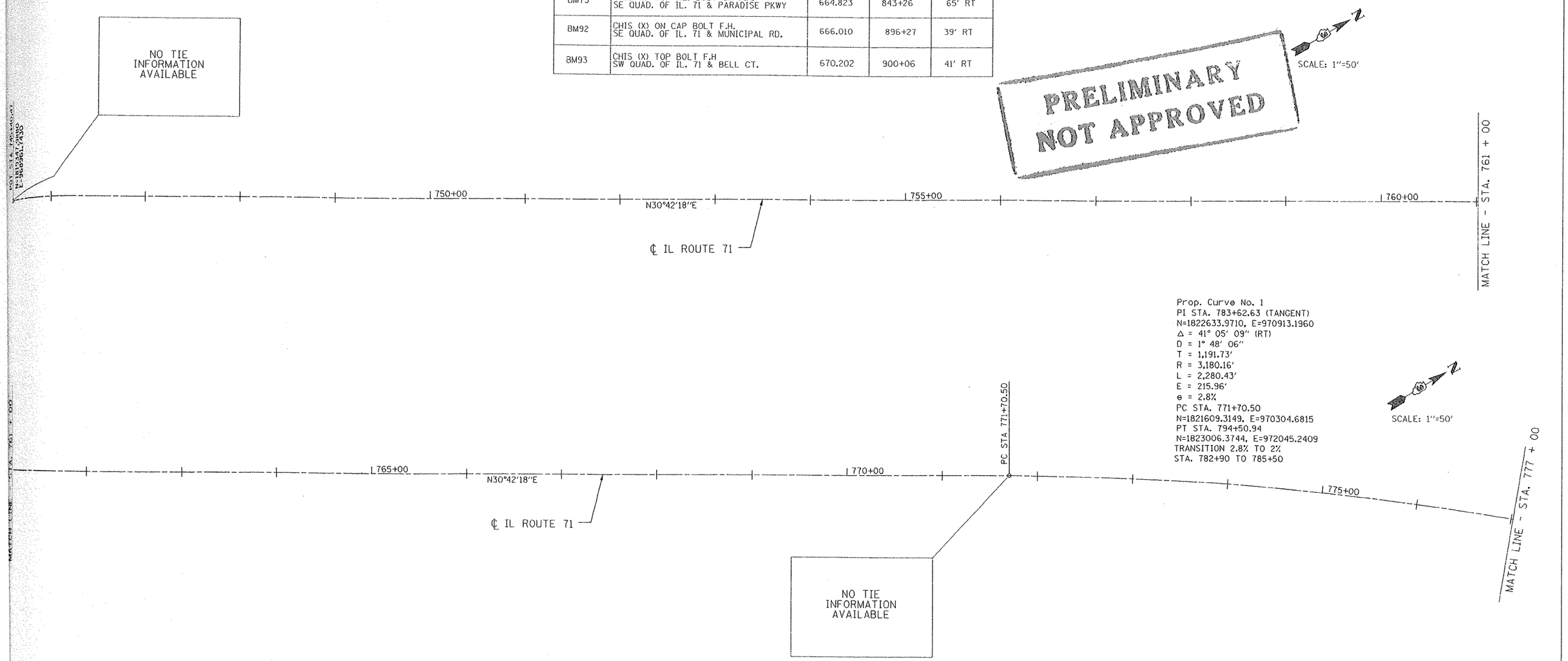
TYPICAL CROSS SECTIONS

SCALE: VERT. HORIZ.
DATE 06/30/08
DRAWN BY SAE
CHECKED BY MED

CONTRACT NO. 66420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-DR	KENDALL	450	57
STA. 780+44.91		TO STA. 918+85.88		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BENCHMARK	DESCRIPTION	ELEVATION	STATION	OFFSET
BM65	CHIS (X) TOP N. EDGE LIGHT POLE FOUNDATION SE QUAD. OF IL. 71 & ORCHARD RD.	649.093	798+71	40' RT
BM75	CHIS (X) TOP NE. BOLT OF F.H. SE QUAD. OF IL. 71 & PARADISE PKWY	664.823	843+26	65' RT
BM92	CHIS (X) ON CAP BOLT F.H. SE QUAD. OF IL. 71 & MUNICIPAL RD.	666.010	896+27	39' RT
BM93	CHIS (X) TOP BOLT F.H SW QUAD. OF IL. 71 & BELL CT.	670.202	900+06	41' RT



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND TIES

SCALE: VERT. HORIZ. 1"= 50'
DATE 5/27/08

DRAWN BY WS/KD
CHECKED BY JAP/DJB

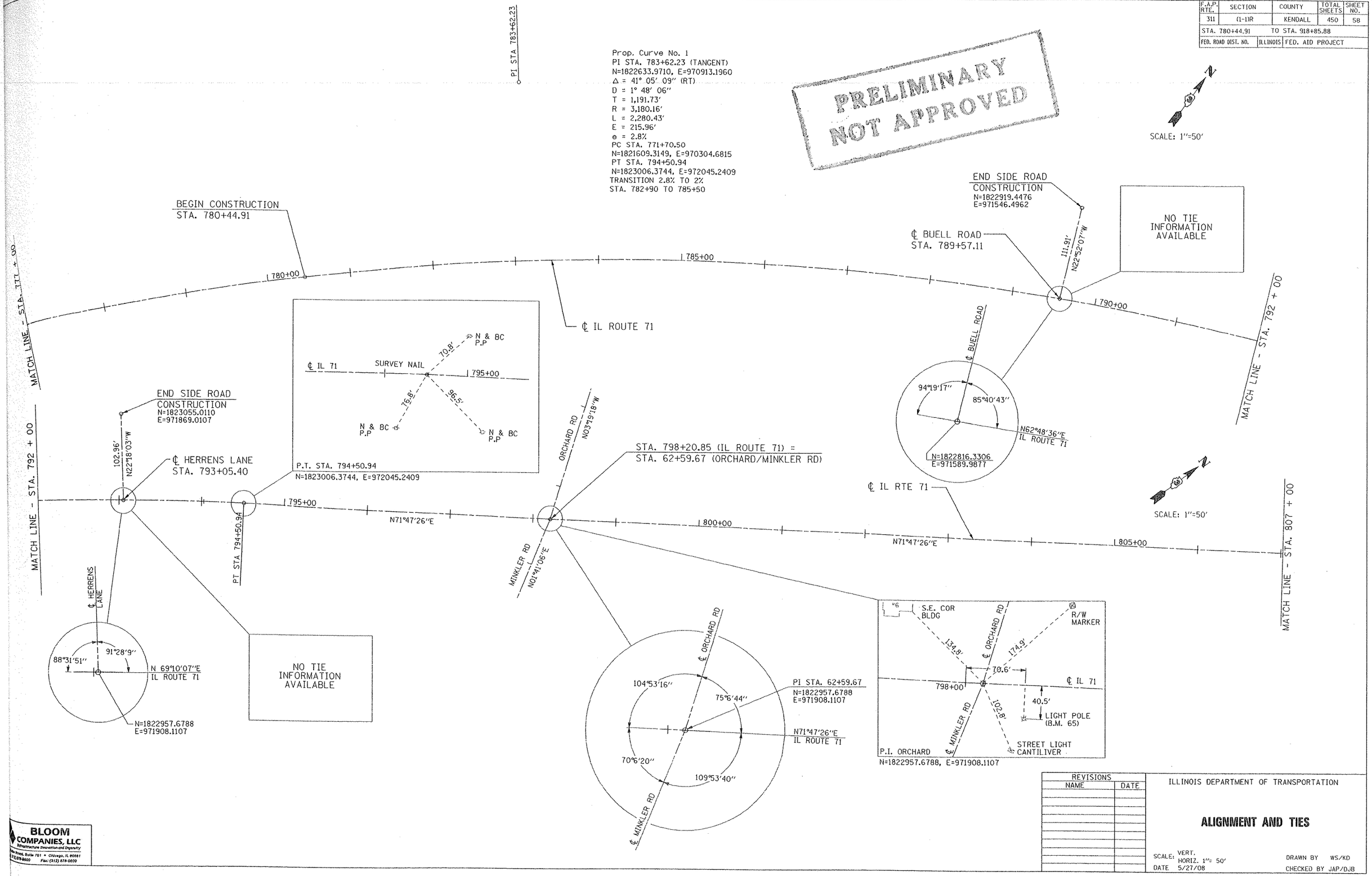
BLOOM COMPANIES, LLC
Infrastructure Innovation and Expertise
Street, Suite 701 • Chicago, IL 60661
Fax: (312) 876-0600

CONTRACT NO. 66420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-)R	KENDALL	450	58
STA. 780+44.91		TO STA. 918+85.88		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PRELIMINARY NOT APPROVED

Prop. Curve No. 1
PI STA. 783+62.23 (TANGENT)
N=1822633.9710, E=970913.1960
Δ = 41° 05′ 09″ (RT)
D = 1° 48′ 06″
T = 1,191.73′
R = 3,180.16′
L = 2,280.43′
E = 215.96′
e = 2.8%
PC STA. 771+70.50
N=1821609.3149, E=970304.6815
PT STA. 794+50.94
N=1823006.3744, E=972045.2409
TRANSITION 2.8% TO 2%
STA. 782+90 TO 785+50



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

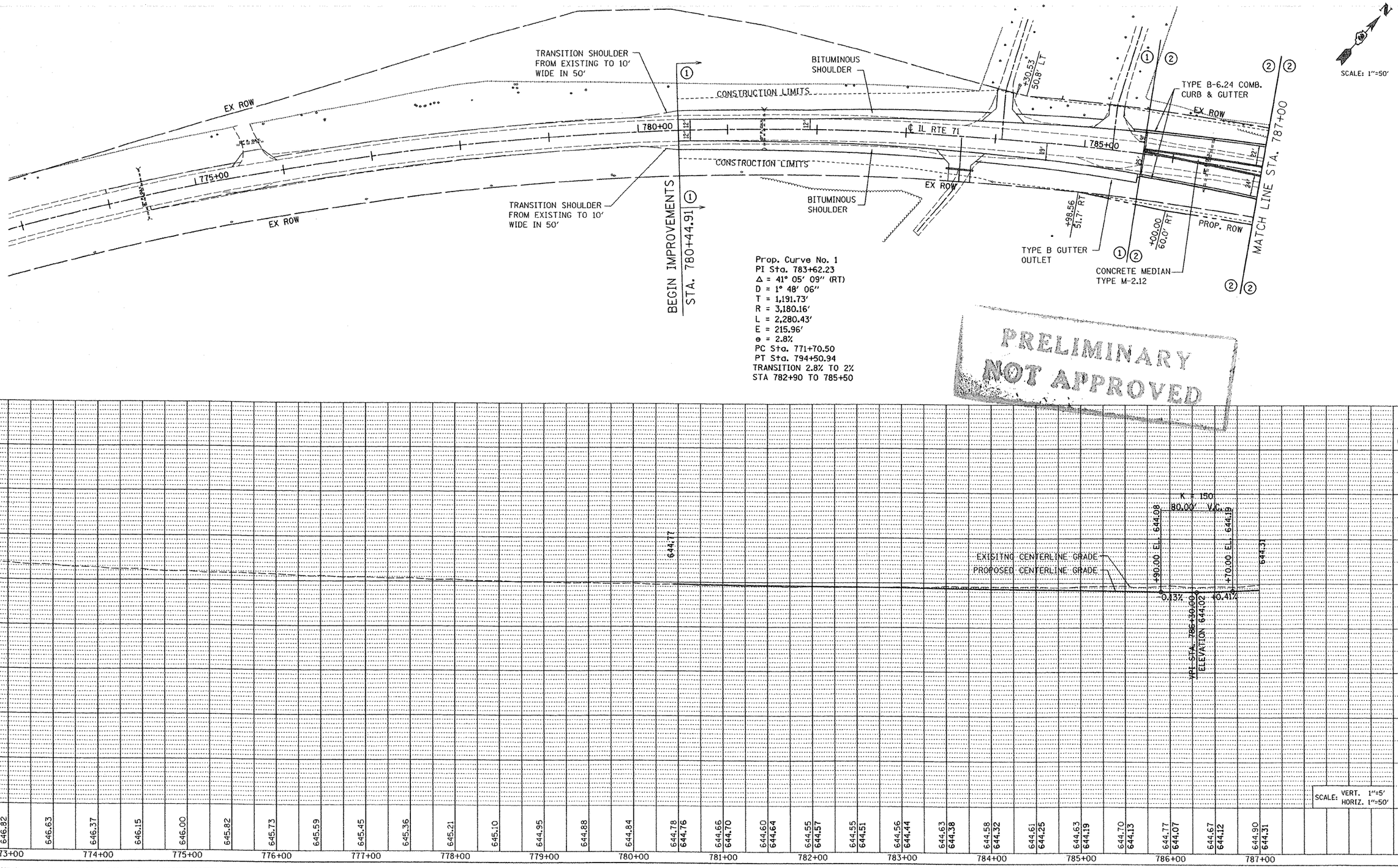
ALIGNMENT AND TIES

SCALE: VERT. HORIZ. 1″= 50′
DATE 5/27/08
DRAWN BY WS/KD
CHECKED BY JAP/DJB

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
Fax: (312) 878-6600

CONTRACT NO. 66420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	450	72
STA. 774+45		TO STA. 787+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

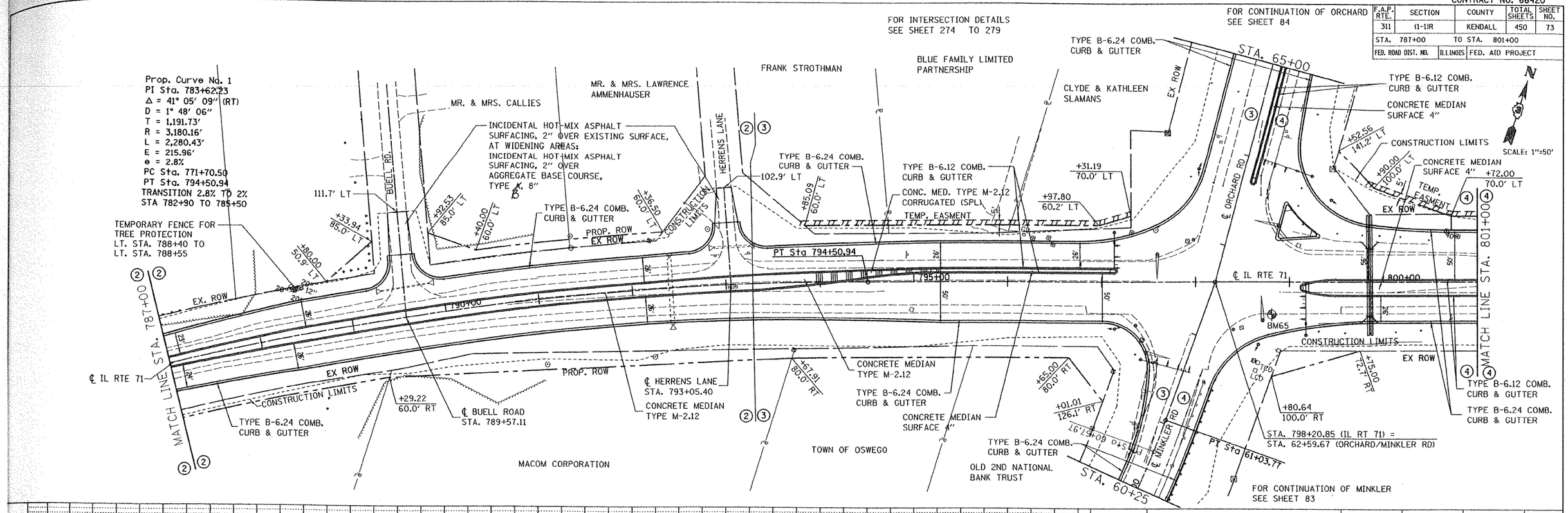


THE UPCHURCH GROUP, INC., 123 NORTH 15TH STREET, MATTOON, ILLINOIS 61938, (217) 235-3177 PROFESSIONAL DESIGN FIRM CORPORATION LICENSE NO. 184-003401

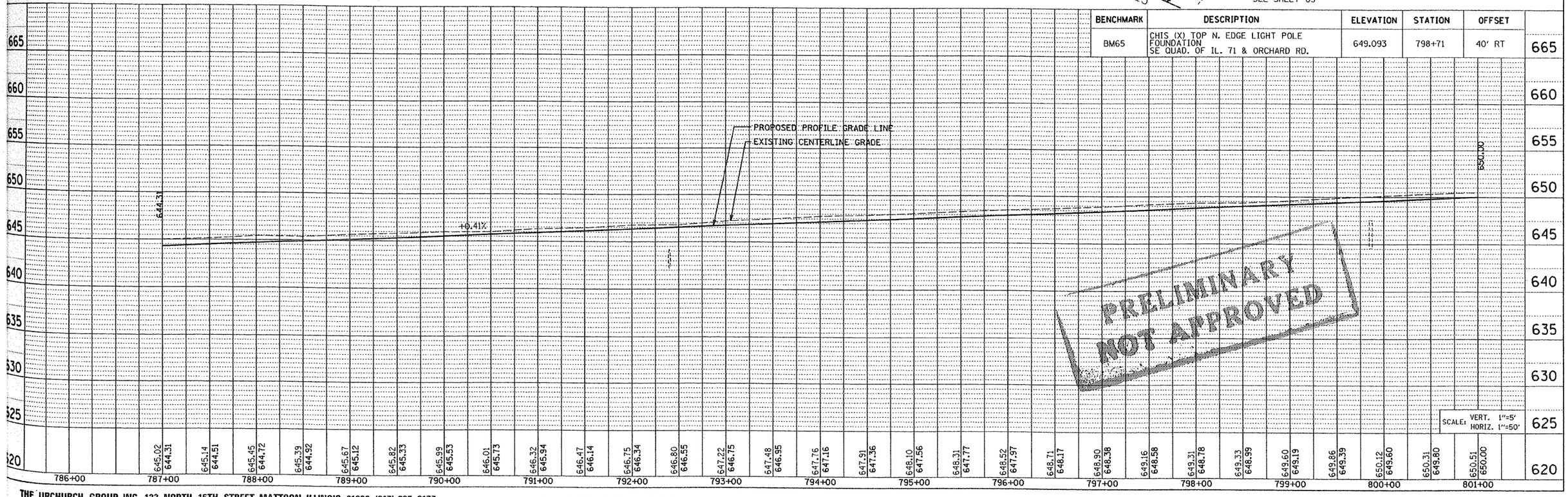
STA. 774+45 TO STA. 787+00

CONTRACT NO. 66420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	450	73
STA. 787+00		TO STA. 801+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

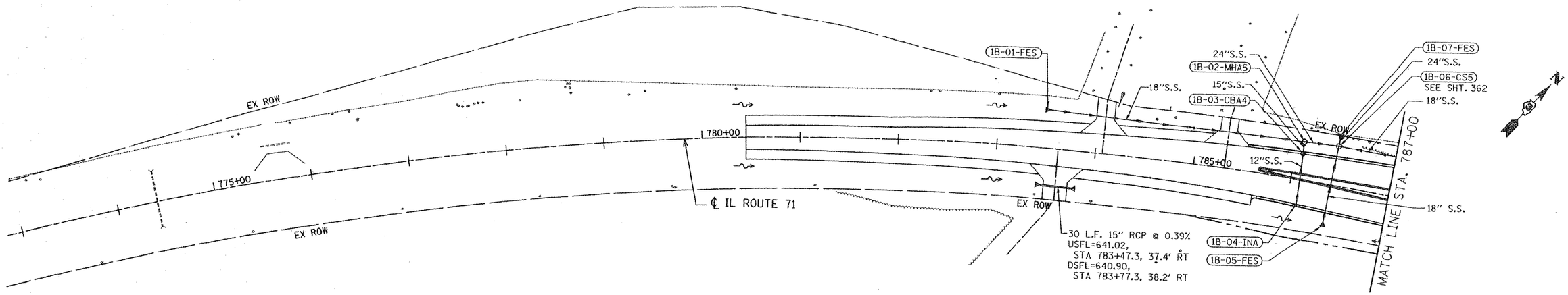


BENCHMARK	DESCRIPTION	ELEVATION	STATION	OFFSET
BM65	CHIS (X) TOP N. EDGE LIGHT POLE FOUNDATION SE QUAD. OF IL. 71 & ORCHARD RD.	649.093	798+71	40' RT



CONTRACT NO. 66420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	450	226
STA. 774+45		TO STA. 787+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PRELIMINARY
NOT APPROVED

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET	ROUTE	STRUCTURE TYPE	CASTING	RIM ELEVATION	NORTH INVERT	SOUTH INVERT	EAST INVERT	WEST INVERT	COMMENTS
1B-01-FES	783+51.78	38.93' LT.		PRC FLARED END SECTION, 18"					640.89		
1B-02-MH A	786+07.62	38.52' LT.		MANHOLE, TYPE A, 5' DIAMETER	TYPE 1 FRAME, CLOSED LID	643.10		640.05	640.05	640.25	
1B-03-CB A	786+08.08	26.28' LT		CATCH BASIN, TYPE A, 4' DIAMETER	TYPE 24 FRAME AND GRATE	643.66	640.15	640.15			
1B-04-IN A	786+09.58	25.04' RT		INLET, TYPE A	TYPE 24 FRAME AND GRATE	644.75	640.37				
1B-05-FES	786+39.36	37.27' RT		PRC FLARED END SECTION 18"				639.95			
1B-06-CS5	786+42.28	40.01' LT.		CONTROL STRUCTURE	TYPE 1 FRAME, CLOSED LID	643.66	639.95	639.95	639.95	639.95	
1B-07-FES	786+42.34	46.40' LT		PRC FLARED END SECTION 24"			639.93				

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
STA. 774+45 TO STA. 787+00

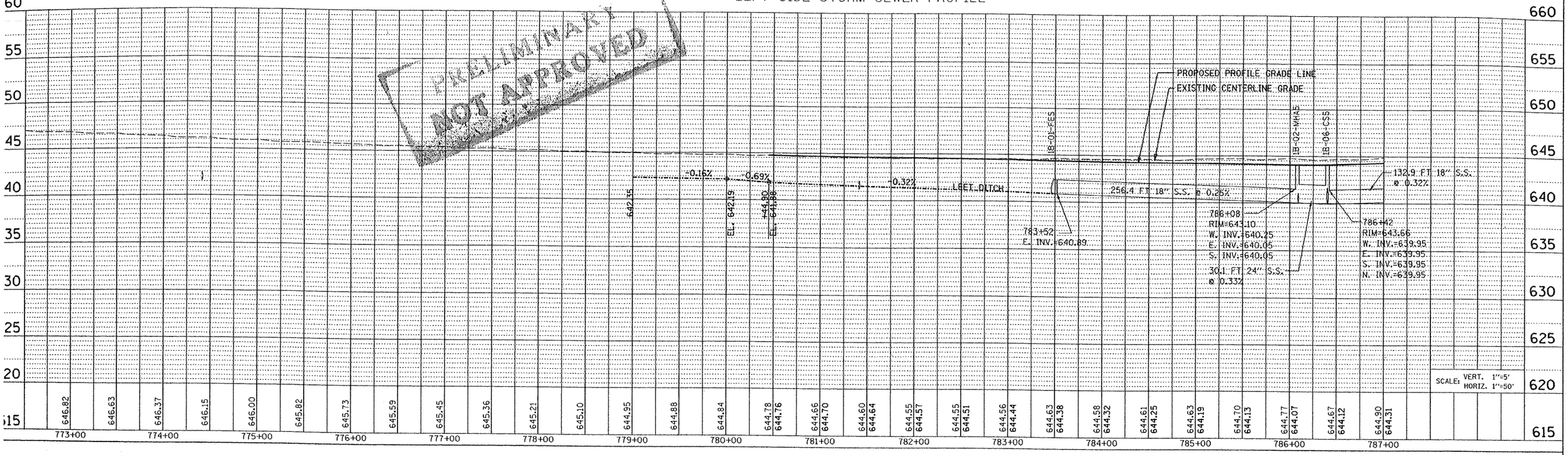
SCALE: VERT. 1"=50' HORIZ. 1"=50'
DATE 06/30/08
DRAWN BY RLH
CHECKED BY MED

THE UPCHURCH GROUP, INC., 123 NORTH 15TH STREET, MATTOON, ILLINOIS 61938, (217) 235-3177 PROFESSIONAL DESIGN FIRM CORPORATION LICENSE NO. 184-003401

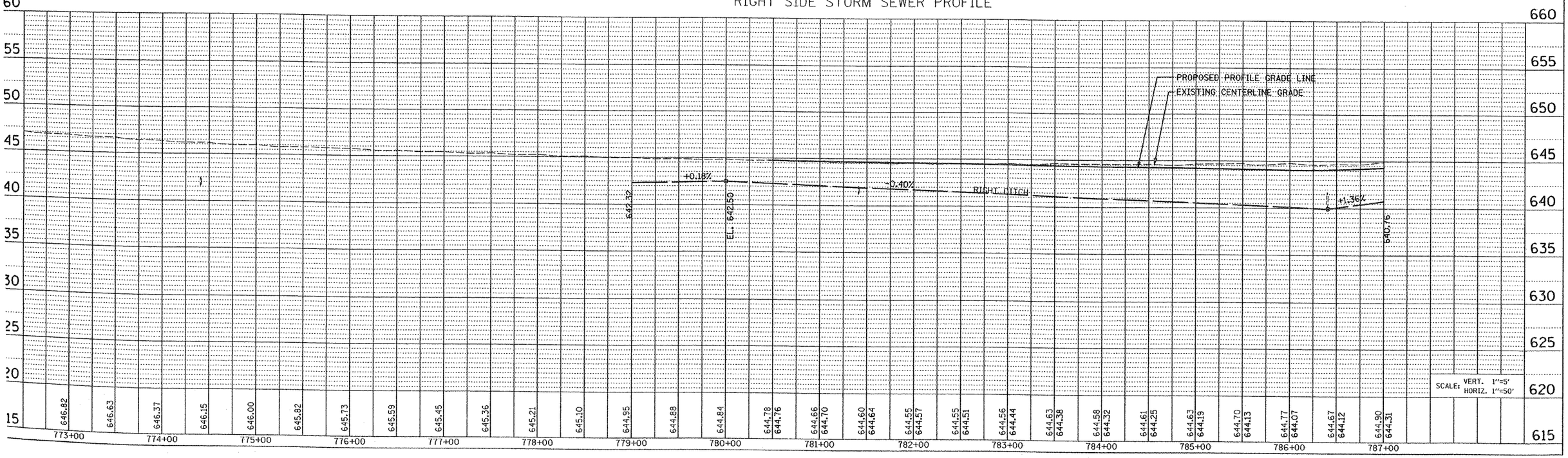
CONTRACT NO. 66420

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	450	227
STA. 774+45	TO STA. 787+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LEFT SIDE STORM SEWER PROFILE



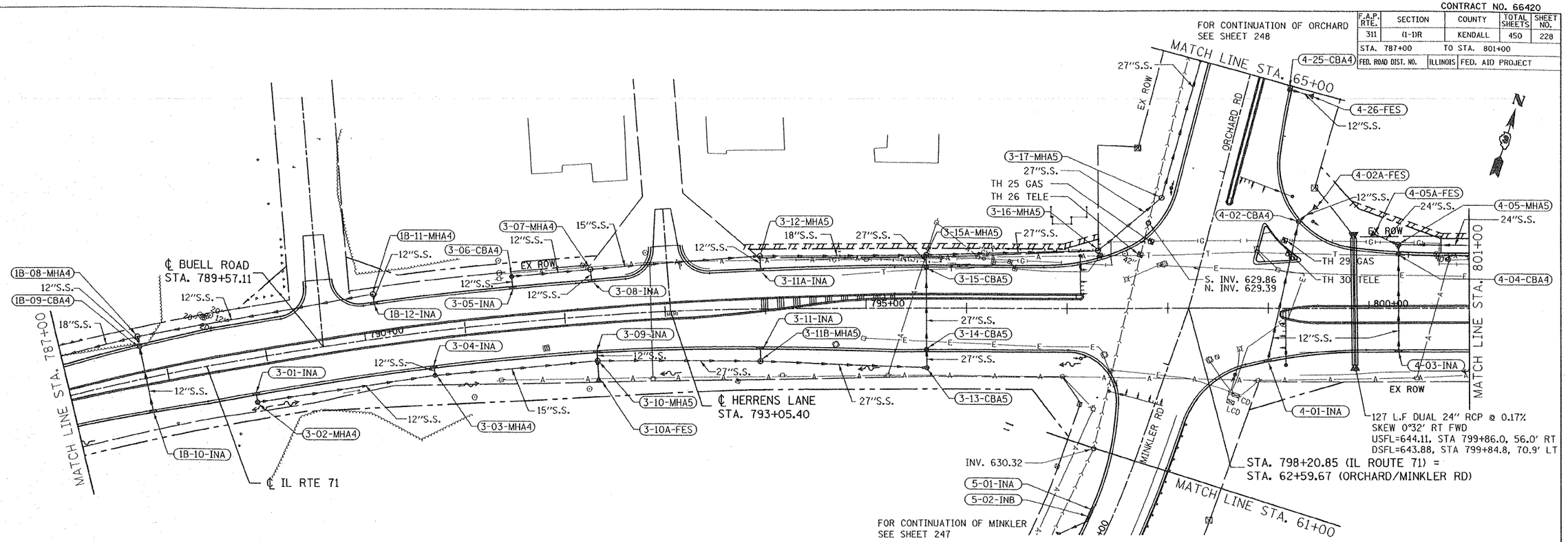
RIGHT SIDE STORM SEWER PROFILE



DRAINAGE PROFILE STA. 774+45 TO STA. 787+00

CONTRACT NO. 66420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	450	228
STA. 787+00		TO STA. 801+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET	ROUTE	STRUCTURE TYPE	CASTING	RIM ELEVATION	NORTH INVERT	SOUTH INVERT	EAST INVERT	WEST INVERT	COMMENTS
-MH A	787+77.89	42.29' LT		MANHOLE, TYPE A, 4' DIAMETER	TYPE 1 FRAME, CLOSED LID	643.72		640.48	640.78	640.38	
-CB A	787+77.76	31.69' LT		CATCH BASIN, TYPE A, 4' DIAMETER	TYPE 24 FRAME AND GRATE	644.14	640.58	640.66			
)-IN A	787+77.78	31.74' RT		INLET, TYPE A	TYPE 24 FRAME AND GRATE	644.16	640.98				
-MH A	790+13.34	44.52' LT		MANHOLE, TYPE A, 4' DIAMETER	TYPE 1 FRAME, CLOSED LID	644.60		641.50		641.50	
:-IN A	790+13.28	34.07' LT		INLET, TYPE A	TYPE 24 FRAME AND GRATE	645.06	641.60				
IN A	788+82.87	34.00' RT.		INLET, TYPE A	TYPE 24 FRAME AND GRATE	644.53		641.20			
MH A	788+83.04	42.85' RT.		MANHOLE, TYPE A, 4' DIAMETER	TYPE 1 FRAME, CLOSED LID	644.50	641.10		641.00		
MH A	790+64.17	43.72' RT.		MANHOLE, TYPE A, 4' DIAMETER	TYPE 1 FRAME, CLOSED LID	644.67	641.66		640.15	640.15	
IN A	790+64.10	34.00' RT.		INLET, TYPE A	TYPE 24 FRAME AND GRATE	645.27		641.78			
IN A	791+50.97	34.00' LT.		INLET, TYPE A	TYPE 24 FRAME AND GRATE	645.62	641.04				
:B A	791+50.99	46.01' LT.		CATCH BASIN, TYPE A, 4' DIAMETER	TYPE 8 GRATE	644.50		640.94	640.94		
HH A	792+28.79	46.68' LT.		MANHOLE, TYPE A, 4' DIAMETER	TYPE 1 FRAME, CLOSED LID	644.40		639.80	638.80	638.80	
N A	792+29.53	34.31' LT		INLET, TYPE A	TYPE 24 FRAME AND GRATE	645.94	640.00				
N A	792+29.47	34.32' RT.		INLET, TYPE A	TYPE 24 FRAME AND GRATE	645.94		642.21			
IH A	792+29.59	44.47' RT.		MANHOLE, TYPE A, 5' DIAMETER	TYPE 8 GRATE	643.20	642.11	640.50	639.40	639.40	
FES	792+29.44	59.59' RT.		FLARED END SECTION, 27"			640.90				54213672
N A	793+94.12	37.53' RT.		INLET, TYPE A	TYPE 24 FRAME AND GRATE	646.57		642.20			
IN A	793+95.71	38.14' LT.		INLET, TYPE A	TYPE 24 FRAME AND GRATE	646.61	639.07				
MH A	793+93.91	51.66' RT.		MANHOLE, TYPE A, 5' DIAMETER	TYPE 8 GRATE	644.93	642.00		638.88	638.88	
H A	793+95.33	53.15' LT.		MANHOLE, TYPE A, 5' DIAMETER	TYPE 1 FRAME, CLOSED LID	644.50		638.97	638.27	638.27	
B A	795+60.47	58.95' RT.		CATCH BASIN, TYPE A, 5' DIAMETER	TYPE 8 GRATE	645.10	638.08			638.18	
B A	795+60.10	40.98' RT.		CATCH BASIN, TYPE A, 5' DIAMETER	TYPE 24 FRAME AND GRATE	647.29	638.43	638.53			
B A	795+60.01	41.02' LT.		CATCH BASIN, TYPE A, 5' DIAMETER	TYPE 24 FRAME AND GRATE	647.29	637.82	637.92			
MH A	795+60.09	53.40' LT.		MANHOLE TYPE A, 5' DIAMETER	TYPE 1 FRAME, CLOSED LID	646.09		637.48	637.48	637.86	
H A	797+30.71	58.27' LT.		MANHOLE TYPE A, 5' DIAMETER	TYPE 1 FRAME, CLOSED LID	647.40	636.49			636.49	
H A	797+94.21	111.09' LT.		MANHOLE TYPE A, 5' DIAMETER	TYPE 1 FRAME, CLOSED LID	646.50	635.80	635.90			
A	798+99.58	50.64' RT.		INLET, TYPE A	TYPE 24 FRAME AND GRATE	648.48	645.00				
B A	799+30.39	87.00' LT.		CATCH BASIN, TYPE A, 4' DIAMETER	TYPE 24 FRAME AND GRATE	647.25		644.27	644.17		
ES	799+43.84	98.76' LT.		PRC FLARED END SECTION, 12"				643.80			
A	800+29.58	41.00' RT.		INLET, TYPE A	TYPE 24 FRAME AND GRATE	649.20	645.69				
B A	800+29.59	54.43' LT.		CATCH BASIN, TYPE A, 4' DIAMETER	TYPE 24 FRAME AND GRATE	648.86	645.39	645.49			
H A	800+29.55	63.99' LT.		MANHOLE TYPE A, 5' DIAMETER	TYPE 1 FRAME, CLOSED LID	648.36		645.29	644.16	644.06	
ES	800+08.07	73.47' LT.		PRC FLARED END SECTION, 24"					643.90		
B A	64+95.84	41.52' RT.	ORCHARD RD.	CATCH BASIN, TYPE A, 4' DIAMETER	TYPE 24 FRAME AND GRATE	647.53			643.63	643.63	
ES	64+95.37	60.92' RT.	ORCHARD RD.	PRC FLARED END SECTION, 12"						642.77	
A	60+38.36	20.00' LT.	MINKLER RD.	INLET, TYPE A	TYPE 24 FRAME AND GRATE	646.42		643.40			
B	60+29.85	20.00' LT.	MINKLER RD.	INLET, TYPE B	TYPE 24 FRAME AND GRATE	646.42	643.36	643.26			

PRELIMINARY NOT APPROVED

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN

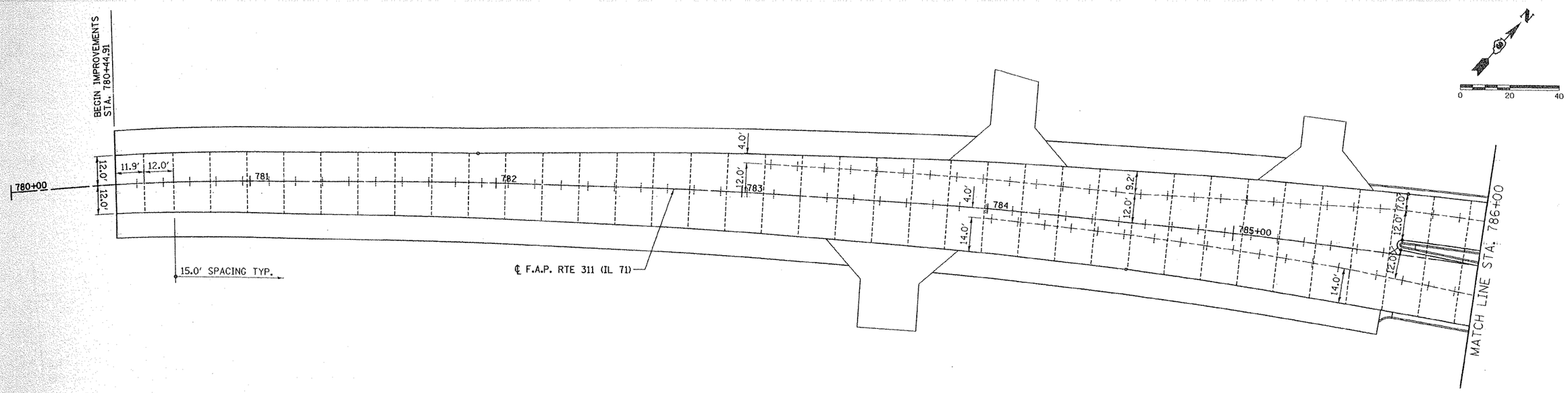
STA. 787+00 TO STA. 801+00

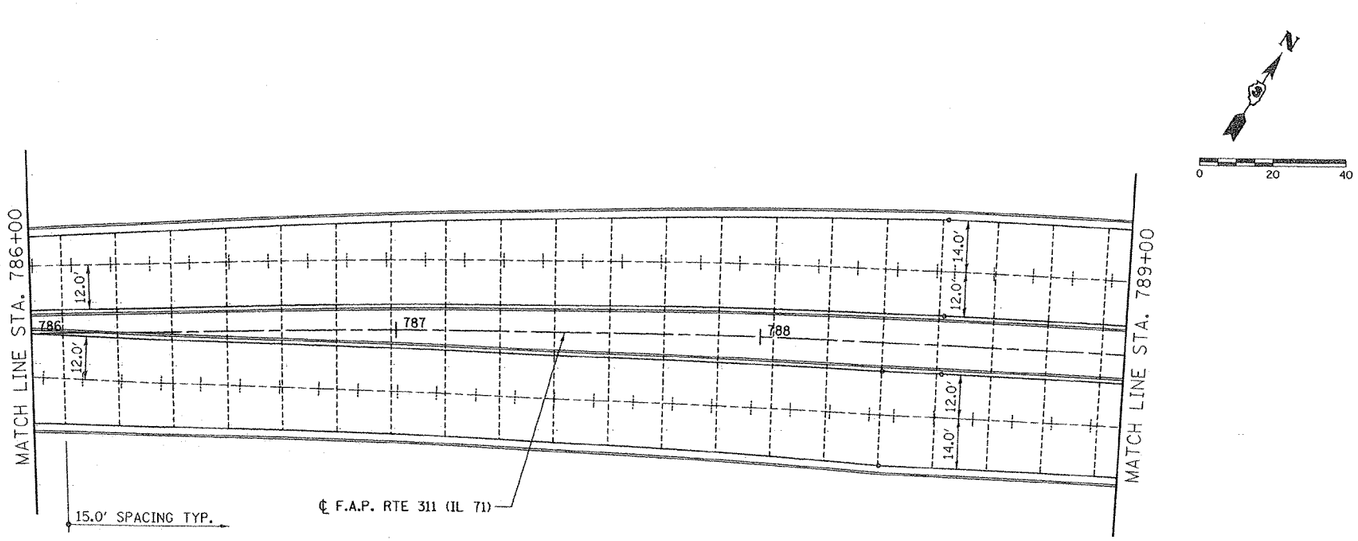
SCALE: VERT. 1"=50' HORIZ. 1"=50'
DATE 06/30/08
DRAWN BY RLH
CHECKED BY MED

UPCHURCH GROUP, INC., 123 NORTH 15TH STREET, MATTOON, ILLINOIS 61938, (217) 235-3177 PROFESSIONAL DESIGN FIRM CORPORATION LICENSE NO. 184-003401

CONTRACT NO. 66420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	450	254
STA. 780+44.91		TO STA. 789+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





PRELIMINARY
NOT APPROVED

LEGEND

KEYED CONSTRUCTION JOINT

SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT

TRANSVERSE SAWED CONTRACTION JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT JOINT LAYOUT

IL RTE 71

STA 780+44.91 TO STA 789+00

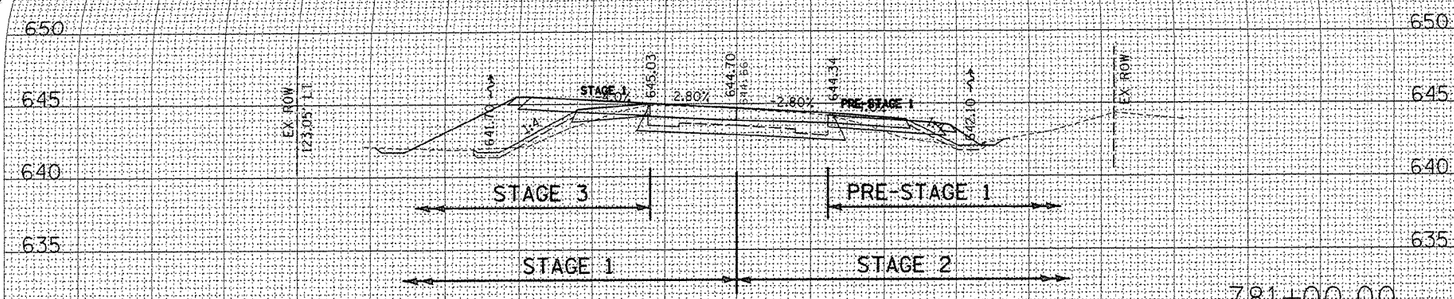
SCALE: VERT. 1"=20'
HORIZ. 1"=20'

DATE 06/30/08

DRAWN BY SAE

CHECKED BY MED

THE UPCHURCH GROUP, INC., 123 NORTH 15TH STREET, MATTOON, ILLINOIS 61938, (217) 235-3177 PROFESSIONAL DESIGN FIRM CORPORATION LICENSE NO. 184-003401



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STAGE 1:
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STAGE 2:
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PRE-STAGE 1:
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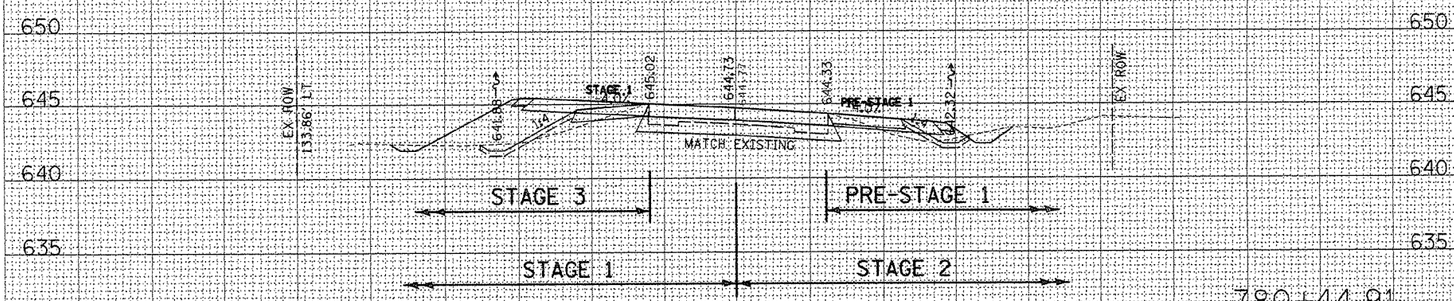

STAGE 3:
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STAGE 1:
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STAGE 2:
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PRE-STAGE 1:
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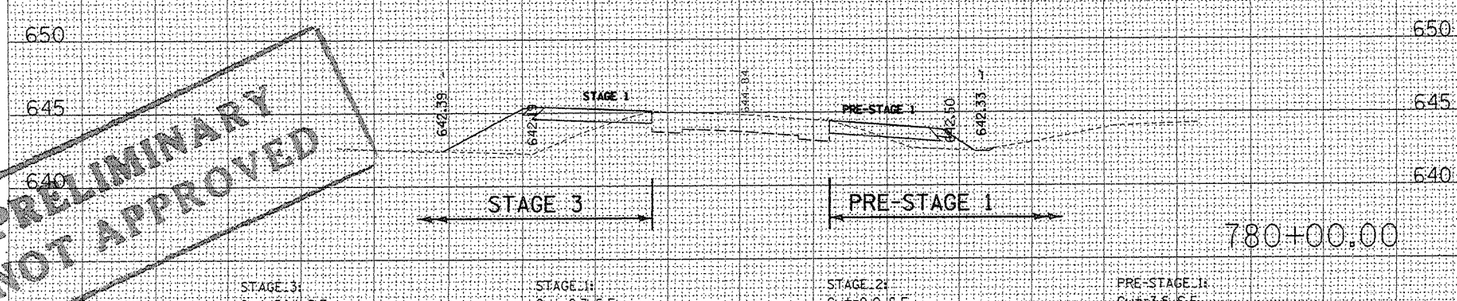

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STAGE 1:
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STAGE 2:
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PRE-STAGE 1:
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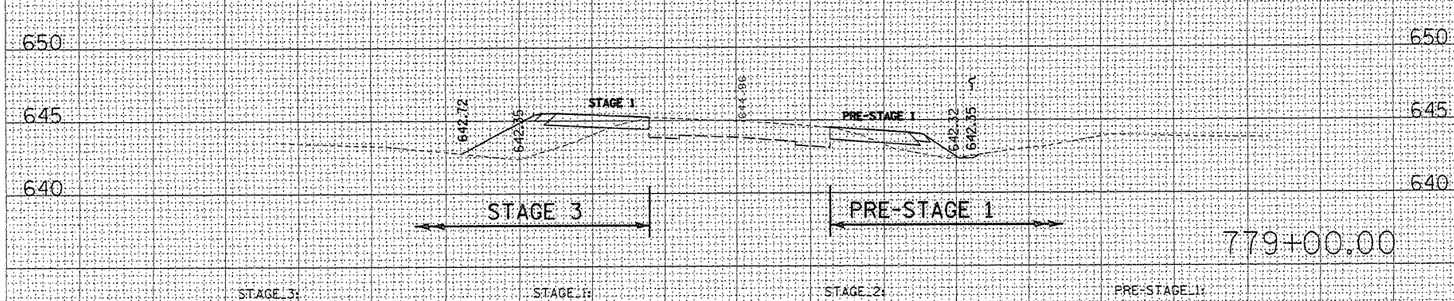
PRELIMINARY
NOT APPROVED



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STAGE 1:
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STAGE 2:
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PRE-STAGE 1:
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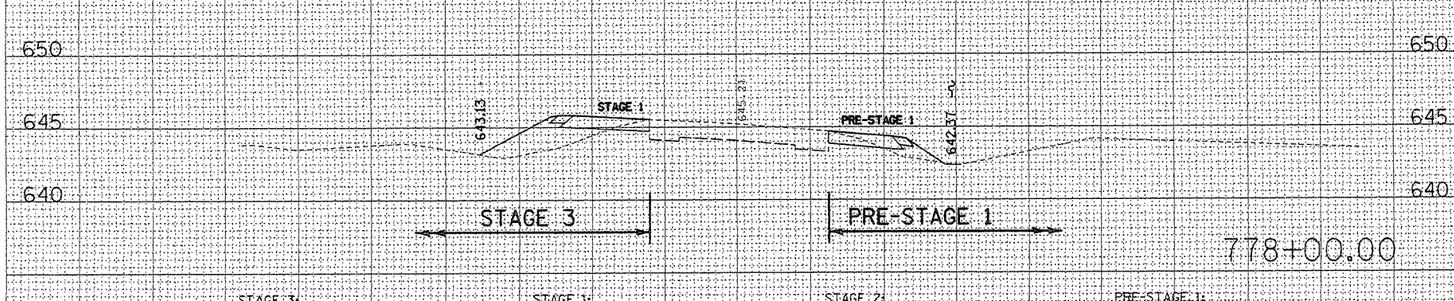

STAGE 3:
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STAGE 1:
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STAGE 2:
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PRE-STAGE 1:
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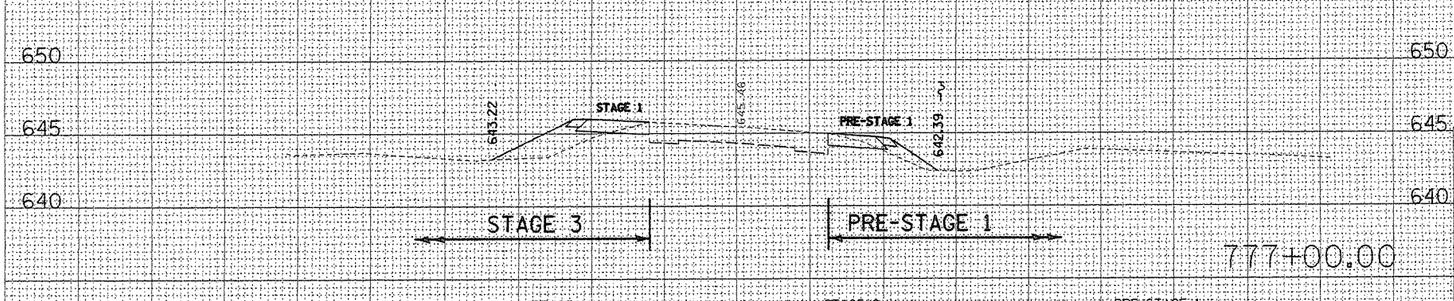

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STAGE 1:
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STAGE 2:
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PRE-STAGE 1:
Cut=3.5 S.F.
Fill=4.4 S.F.

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

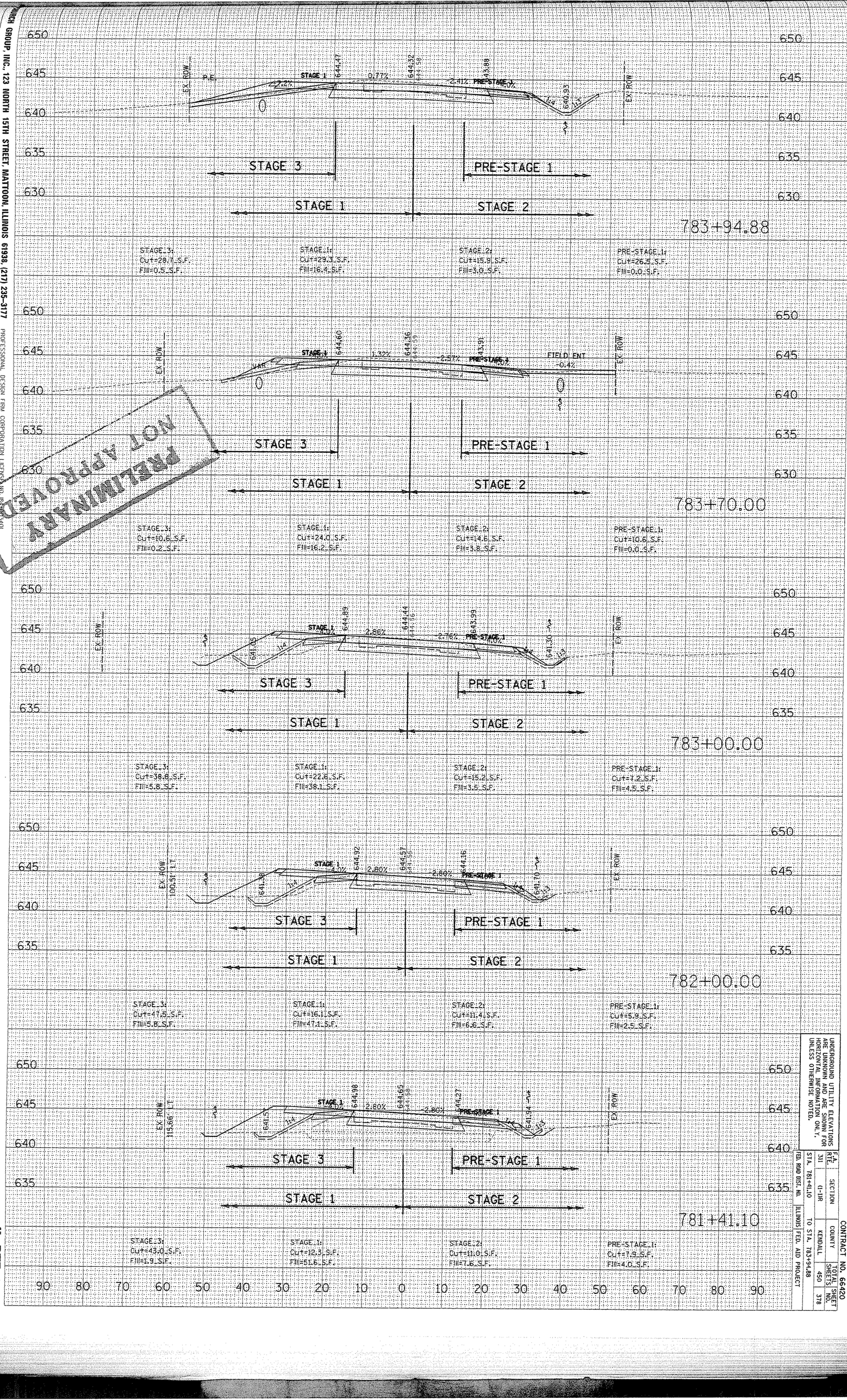
UNDERGROUND UTILITY ELEVATIONS ARE UNKNOWN AND ARE SHOWN FOR HORIZONTAL INFORMATION ONLY, UNLESS OTHERWISE NOTED.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-)R	KENDALL	450	377

STA. 777+00.00 TO STA. 781+00.00

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

NORTH GROUP, INC., 123 NORTH 15TH STREET, MATTOON, ILLINOIS 61938, (217) 235-3177 PROFESSIONAL DESIGN FIRM CORPORATION LICENSE NO. 184-003401



MACH GROUP, INC., 123 NORTH 15TH STREET, MATTOON, ILLINOIS 61938, (217) 235-3177 PROFESSIONAL DESIGN FIRM CORPORATION LICENSE NO. 184-005-001