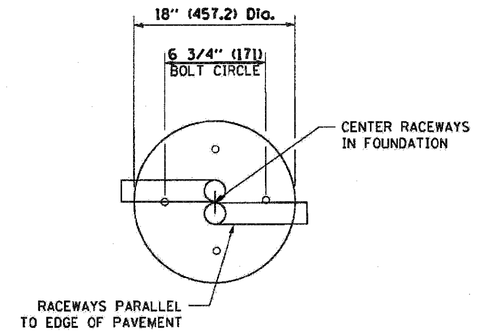
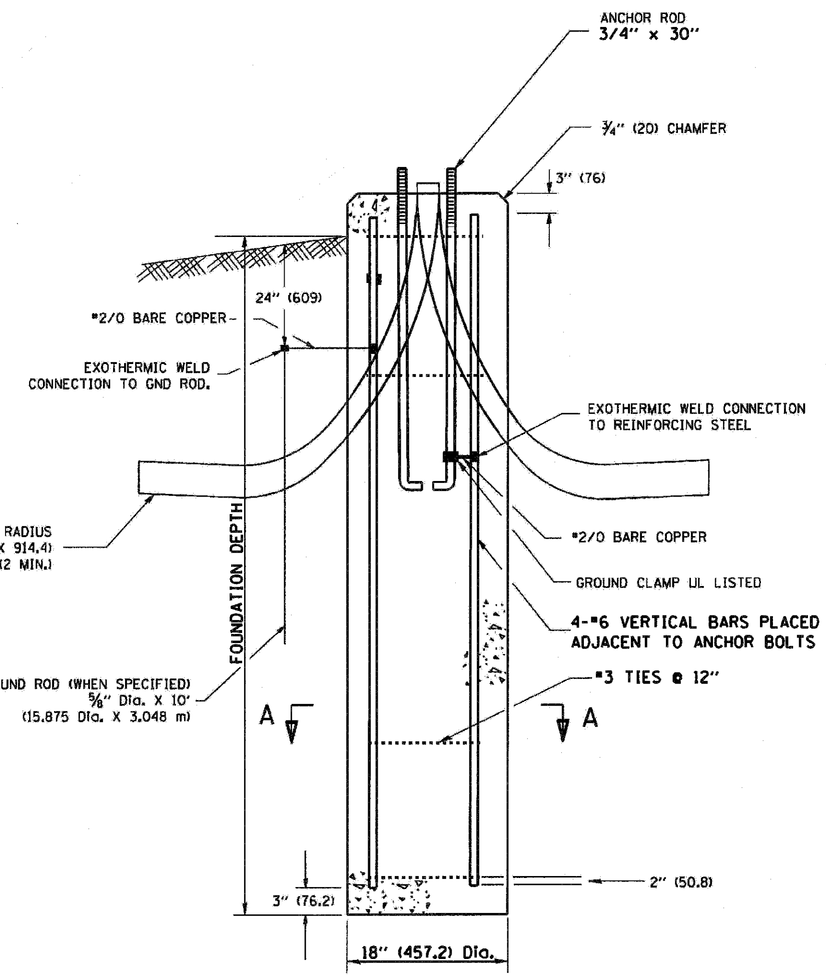
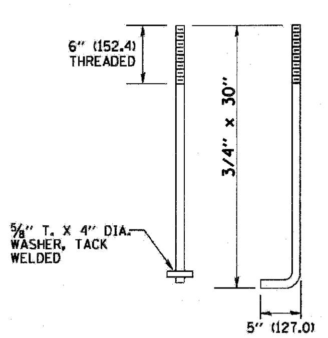


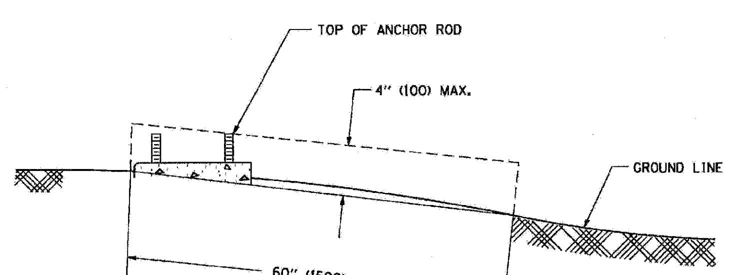
TOP VIEW



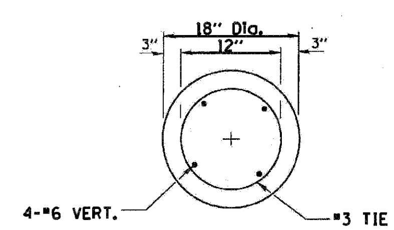
FOUNDATION DETAIL



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED ¾-IN. (20 mm).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT 2¾" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
15. **THE BOLT CIRCLE DIMENSIONS SHALL MATCH THE MANUFACTURER'S REQUIREMENTS.**

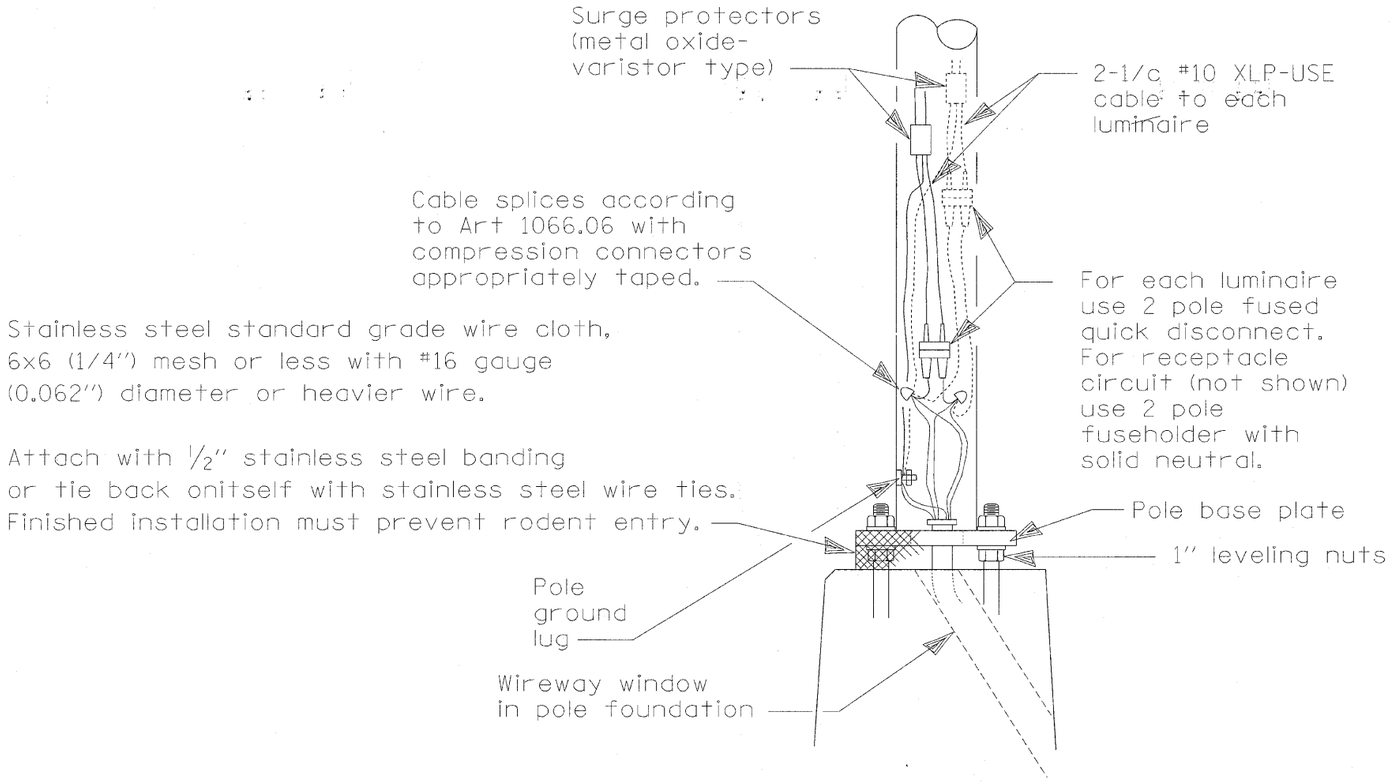
FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - JM	REVISED -
		DRAWN - JB	REVISED -
TENG — TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = $SCALE$	CHECKED - RS	REVISED -
	PLOT DATE = 8-24-2010	DATE - 08/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK AND LANDSCAPE LIGHTING PLANS

SCALE: N/A | SHEET NO. OF SHEETS | STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LA SALLE	190	101
		CONTRACT NO. 66547		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



WIRING DETAIL

NO SCALE

GENERAL NOTES

All taped splices shall use 2 layers of electrical tape over 3 layers of rubber tape as required by the Standard Specifications. Coat the finished taped splice with bonding compound.

All cable splices shall be taped unless another method has been specifically approved by the Engineer.

For example purposes the pole is shown on an anchor base. If the pole is required to be set on a breakaway base, consult the Standard Specifications.

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

POLE HANDHOLE WIRING

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - JM	REVISED -
		DRAWN - JB	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - RS	REVISED -
TENG TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT DATE = 8-24-2018	DATE - 08/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK AND LANDSCAPE LIGHTING PLANS

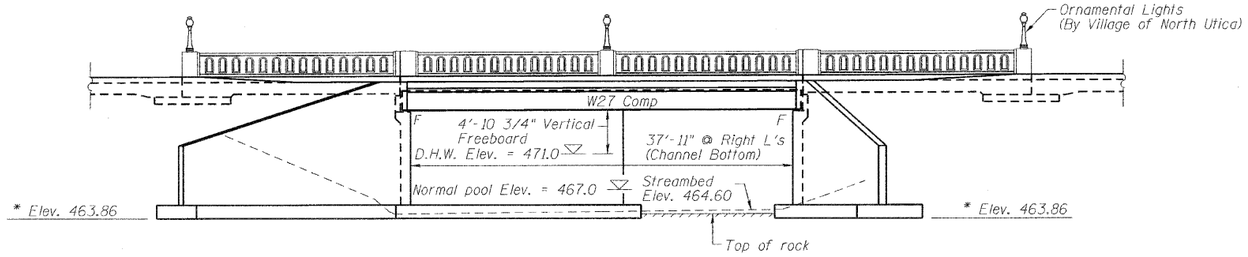
SCALE: N/A | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LA SALLE	190	102
		CONTRACT NO. 66547		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Bench Mark:
Chiseled "X" on west bolt of fire hydrant at west side of IL Route 178, south side of Canal Bridge
Elev. 480.15

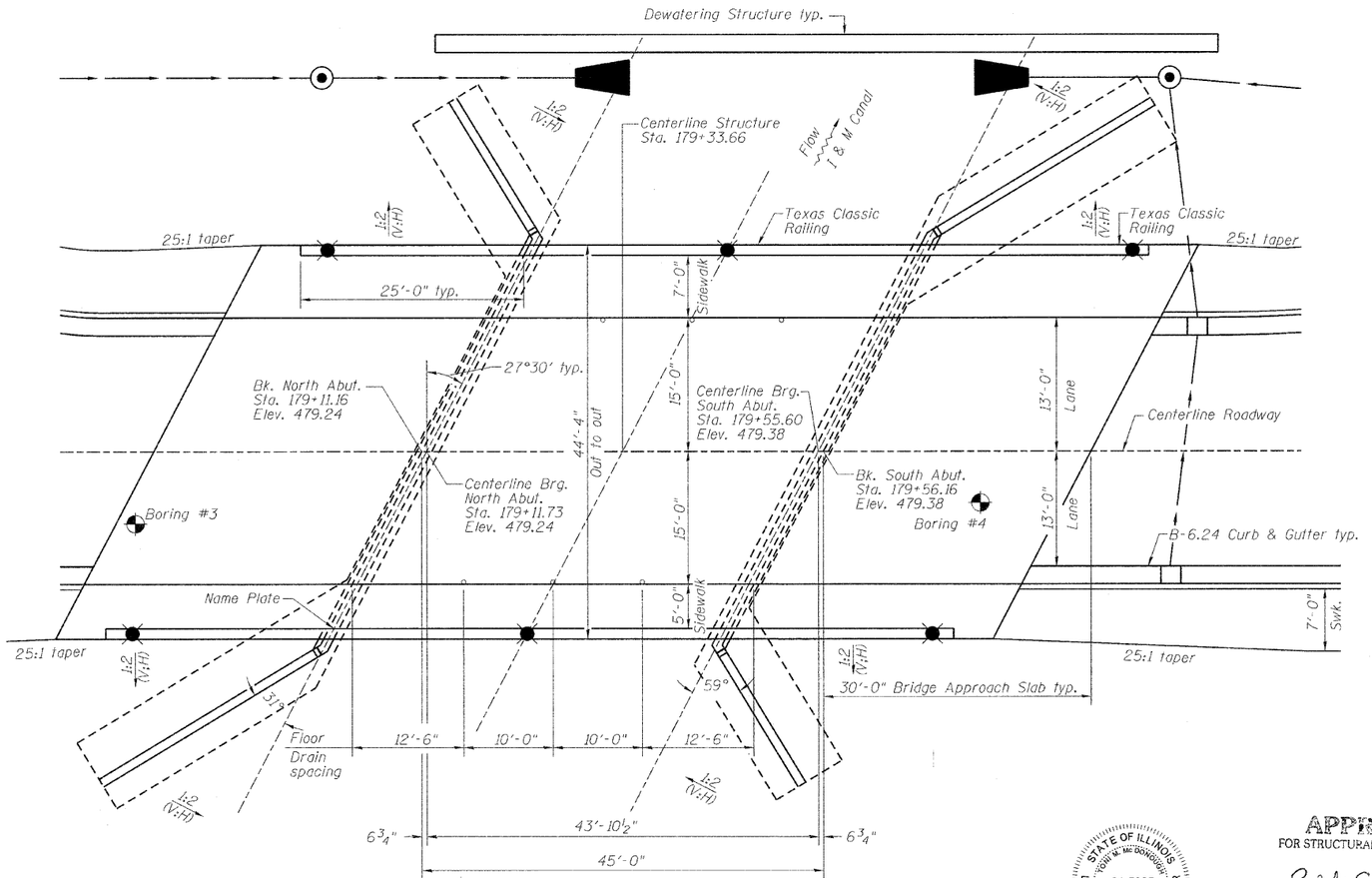
Existing Structure: None

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

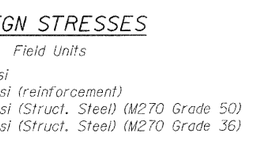


* Footing to be placed at the elevation shown or 6" into rock, whichever is deeper.

ELEVATION



PLAN



PROFILE GRADE DIAGRAM

(Along ℄ Roadway)

INDEX OF SHEETS

WATERWAY INFORMATION

DRAINAGE AREA= 34.7 mi.² LOW GRADE ELEV.= 478.9 @ STA. 178+00

FLOOD	Q	OPENING ft.²	NAT.	HEAD - ft.	HEADWATER EL. - ft.
	C.F.S.	PROP.	H.W.E.	PROP.	PROP.*
DESIGN	**	242	471.0	0.0	471.0

* Headwater Elev. = water surface Elev. @ upstream face of proposed structure.

** Regular waterway analysis does not apply in this case.

DESIGN SCOUR ELEVATION TABLE

DESIGN SCOUR ELEVATION (ft)	N. ABUTMENT	S. ABUTMENT
	464.40	464.40

DESIGN SPECIFICATIONS

2007 AASHTO LRFD
Bridge Design Specifications
With 2008 Interims

LOADING HL-93

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

DESIGN STRESSES

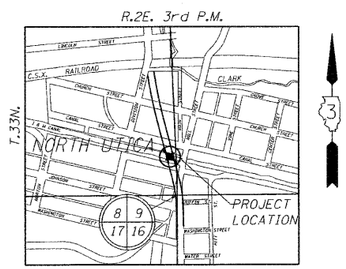
Field Units

f'c = 3,500 psi
fy = 60,000 psi (reinforcement)
fy = 50,000 psi (Struct. Steel) (M270 Grade 50)
fy = 36,000 psi (Struct. Steel) (M270 Grade 36)

Allowable Bearing Pressure= 6000 psf

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. S_{D1} = 0.04g
Design Spectral Acceleration at 0.2 sec. S_{DS} = 0.11g
Soil Site Class = B



LOCATION SKETCH

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson (TDD)
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
TONI M. McDONOUGH
81-5025
HILLSBORO, ILLINOIS
LICENSED STRUCTURAL ENGINEER

Toni M. McDonough 8-5-2010
Toni M. McDonough Date
Licensed Structural Engineer
State of Illinois No. 81-5025
License Expires 11/30/10

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

GENERAL PLAN & ELEVATION
IL ROUTE 178 RELOCATED OVER I & M CANAL
PUBLIC WATER
F.A.S. ROUTE 1279 SECTION 6R, B
LASALLE COUNTY
STATION 179+33.66
STRUCTURE NO. 050-0250

McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
138 East Wood Street
Hillsboro, IL 62049
Phone: 217.532.9233
Fax: 217.532.6300
PROFESSIONAL DESIGN No. 184-002754

SHEET NO. 1
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	103
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts in painted areas. Bolts $^{3}/_{4}$in. ϕ, holes $^{15}/_{16}$ in. ϕ, unless otherwise noted.

2. Calculated weight of Structural Steel = 22,500 lb. 50 ksi
   1,680 lb. 36 ksi

3. No field welding is permitted except as specified in the contract documents.

4. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

5. Reinforcement bars designated (E) shall be epoxy coated.

6. The Inorganic Zinc Rich Primer/ Acrylic/ Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Interstate Green, Munsell No. 7.5G 4/8. See Special Provision for "Cleaning and Painting New Metal Structures".

7. The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR permit number as shown in the contract plans.

8. Quantities have been included in the Summary of Quantities for contaminated soil disposal and removal of underground storage tanks that may exist between station 176+70 and station 179+00.

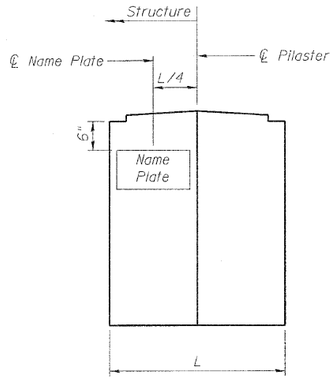
TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.	Total
Porous Granular Embankment, Special	Cu. Yd.	--	183	183
Structure Excavation	Cu. Yd.	--	141	141
Rock Excavation for Structures	Cu. Yd.	--	122	122
Floor Drains	Each	6	--	6
Concrete Structures	Cu. Yd.	--	189.5	189.5
Concrete Superstructure	Cu. Yd.	236.9	--	236.9
Bridge Deck Grooving	Sq. Yd.	140	--	140
Protective Coat	Sq. Yd.	647	--	647
Furnishing and Erecting Structural Steel	L. Sum	1	--	1
Stud Shear Connectors	Each	1116	--	1116
Reinforcement Bars, Epoxy Coated	Pound	54,520	13,880	68,400
Bar Splicers	Each	90	--	90
Name Plates	Each	1	--	1
Anchor Bolts, 1"	Each	--	24	24
Geocomposite Wall Drain	Sq. Yd.	--	235	235
Conduit Embedded in Structure, 2" Dia., Galvanized Steel	Foot	210	--	210
Conduit Embedded in Structure, 1 1/4" Dia., PVC	Foot	238	--	238
Dewatering Structure No. 1	Each	--	--	2
Concrete Bridge Rail, Sidewalk Mounted	Foot	190	--	190
Anchor Bolts, 1/2"	Each	18	--	18

STATION 179+33.66
BUILT 20 BY
STATE OF ILLINOIS
F.A.S. 1279 SECTION 6R, B
LOADING HL-93
STR. NO. 050-0250

NAME PLATE

Locate Name Plate at Northwest Corner of Bridge in Rail Abutment Pilaster (See Std. 515001)



NAME PLATE LOCATION

GENERAL NOTES & BILL OF MATERIAL
STRUCTURE NO. 050-0250

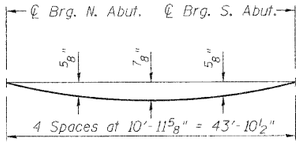
DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
138 East Wood Street
Hillsboro, IL 62049
Phone: 217.532.9233
Fax: 217.532.6300
PROFESSIONAL DESIGN No. 184-002754

SHEET NO. 2
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	104
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

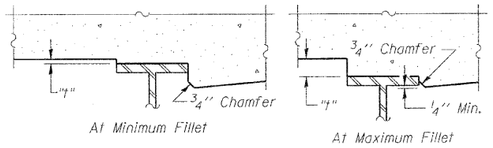
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the theoretical grade elevations adjusted for dead load deflections as shown below, and on sheet 4 of 20.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

LEFT EDGE OF DECK

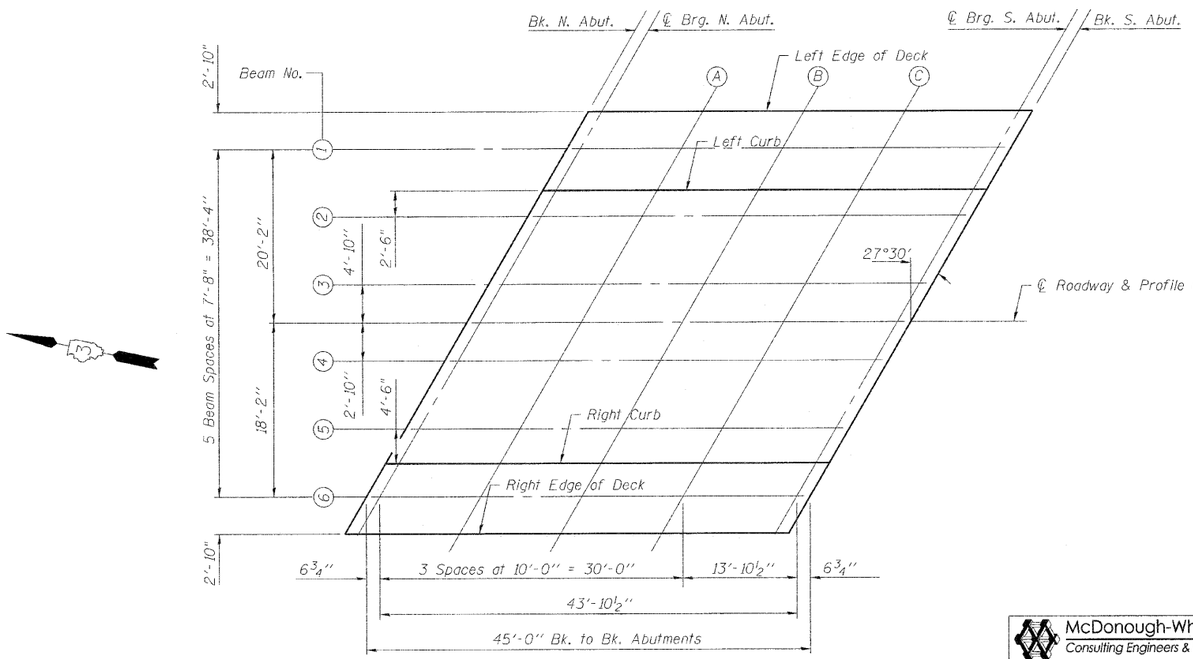
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	179 + 23.13	-23.00	478.80	478.80
℄ Brg. N. Abut.	179 + 23.70	-23.00	478.80	478.80
A	179 + 33.70	-23.00	478.83	478.88
B	179 + 43.70	-23.00	478.86	478.94
C	179 + 53.70	-23.00	478.89	478.95
℄ Brg. S. Abut.	179 + 67.57	-23.00	478.93	478.93
Bk. S. Abut.	179 + 68.13	-23.00	478.94	478.94

BEAM 1

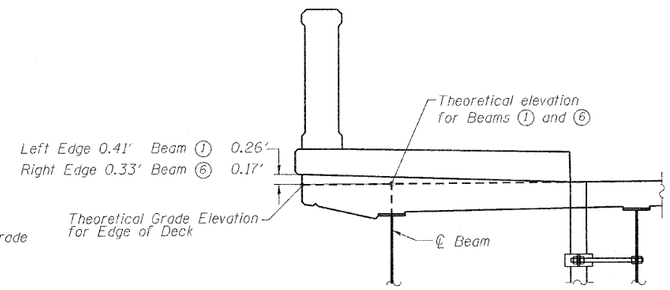
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	179 + 21.66	-20.17	478.86	478.86
℄ Brg. N. Abut.	179 + 22.23	-20.17	478.86	478.86
A	179 + 32.23	-20.17	478.89	478.94
B	179 + 42.23	-20.17	478.92	478.99
C	179 + 52.23	-20.17	478.95	479.01
℄ Brg. S. Abut.	179 + 66.10	-20.17	478.99	478.99
Bk. S. Abut.	179 + 66.66	-20.17	478.99	478.99

LEFT CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	179 + 18.97	-15.00	478.95	478.95
℄ Brg. N. Abut.	179 + 19.54	-15.00	478.96	478.96
A	179 + 29.54	-15.00	478.99	479.04
B	179 + 39.54	-15.00	479.02	479.09
C	179 + 49.54	-15.00	479.05	479.11
℄ Brg. S. Abut.	179 + 63.41	-15.00	479.09	479.09
Bk. S. Abut.	179 + 63.97	-15.00	479.09	479.09



PLAN



Note:
See sheet 4 of 20 for additional elevations.

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

McDonough-Whitlow, P.C.
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138 East Wood Street
Hillsboro, IL 62049
Phone: 217.532.9233
Fax: 217.532.6300
PROFESSIONAL DESIGN No. 184-002754

SHEET NO. 3
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	105
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	179 + 17.67	-12.50	479.00	479.00
℄ Brg. N. Abut.	179 + 18.24	-12.50	479.00	479.00
A	179 + 28.24	-12.50	479.03	479.08
B	179 + 38.24	-12.50	479.06	479.14
C	179 + 48.24	-12.50	479.09	479.16
℄ Brg. S. Abut.	179 + 62.11	-12.50	479.14	479.14
Bk. S. Abut.	179 + 62.67	-12.50	479.14	479.14

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	179 + 13.68	-4.83	479.15	479.15
℄ Brg. N. Abut.	179 + 14.25	-4.83	479.15	479.15
A	179 + 24.25	-4.83	479.18	479.23
B	179 + 34.25	-4.83	479.21	479.29
C	179 + 44.25	-4.83	479.24	479.30
℄ Brg. S. Abut.	179 + 58.12	-4.83	479.28	479.28
Bk. S. Abut.	179 + 58.68	-4.83	479.29	479.29

℄ ROADWAY & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	179 + 11.16	0.00	479.24	479.24
℄ Brg. N. Abut.	179 + 11.73	0.00	479.25	479.25
A	179 + 21.73	0.00	479.28	479.32
B	179 + 31.73	0.00	479.31	479.38
C	179 + 41.73	0.00	479.34	479.40
℄ Brg. S. Abut.	179 + 55.60	0.00	479.38	479.38
Bk. S. Abut.	179 + 56.16	0.00	479.38	479.38

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	179 + 9.69	2.83	479.18	479.18
℄ Brg. N. Abut.	179 + 10.26	2.83	479.18	479.18
A	179 + 20.26	2.83	479.21	479.26
B	179 + 30.26	2.83	479.24	479.32
C	179 + 40.26	2.83	479.27	479.33
℄ Brg. S. Abut.	179 + 54.13	2.83	479.31	479.31
Bk. S. Abut.	179 + 54.69	2.83	479.32	479.32

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	179 + 5.69	10.50	479.01	479.01
℄ Brg. N. Abut.	179 + 6.26	10.50	479.01	479.01
A	179 + 16.26	10.50	479.04	479.09
B	179 + 26.26	10.50	479.07	479.14
C	179 + 36.26	10.50	479.10	479.16
℄ Brg. S. Abut.	179 + 50.13	10.50	479.14	479.14
Bk. S. Abut.	179 + 50.69	10.50	479.14	479.14

RIGHT CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	179 + 3.35	15.00	478.91	478.91
℄ Brg. N. Abut.	179 + 3.92	15.00	478.91	478.91
A	179 + 13.92	15.00	478.94	478.99
B	179 + 23.92	15.00	478.97	479.04
C	179 + 33.92	15.00	479.00	479.06
℄ Brg. S. Abut.	179 + 47.79	15.00	479.04	479.04
Bk. S. Abut.	179 + 48.35	15.00	479.04	479.04

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	179 + 1.70	18.17	478.84	478.84
℄ Brg. N. Abut.	179 + 2.27	18.17	478.84	478.84
A	179 + 12.27	18.17	478.87	478.92
B	179 + 22.27	18.17	478.90	478.97
C	179 + 32.27	18.17	478.93	478.99
℄ Brg. S. Abut.	179 + 0.00	18.17	478.97	478.97
Bk. S. Abut.	179 + 46.70	18.17	478.97	478.97

RIGHT EDGE OF DECK

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	179 + 0.23	21.00	478.77	478.77
℄ Brg. N. Abut.	179 + 0.80	21.00	478.78	478.78
A	179 + 10.80	21.00	478.81	478.85
B	179 + 20.80	21.00	478.84	478.91
C	179 + 30.80	21.00	478.87	478.93
℄ Brg. S. Abut.	179 + 44.67	21.00	478.91	478.91
Bk. S. Abut.	179 + 45.23	21.00	478.91	478.91

Note:
See sheet 3 of 20 for additional elevations.

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

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PROFESSIONAL DESIGN No 184-002754

SHEET NO. 4
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	106
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LEFT EDGE OF APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations
End N. Appr. Slab	178 + 93.22	-23.17	478.71
A	179 + 3.22	-23.17	478.74
B	179 + 13.22	-23.17	478.77
Bk. N. Abut.	179 + 23.22	-23.17	478.80

LEFT CURB

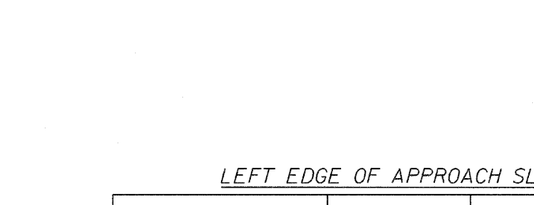
Location	Station	Offset	Theoretical Grade Elevations
End N. Appr. Slab	178 + 88.97	-15.00	478.86
A	178 + 98.97	-15.00	478.89
B	179 + 8.97	-15.00	478.92
Bk. N. Abut.	179 + 18.97	-15.00	478.95

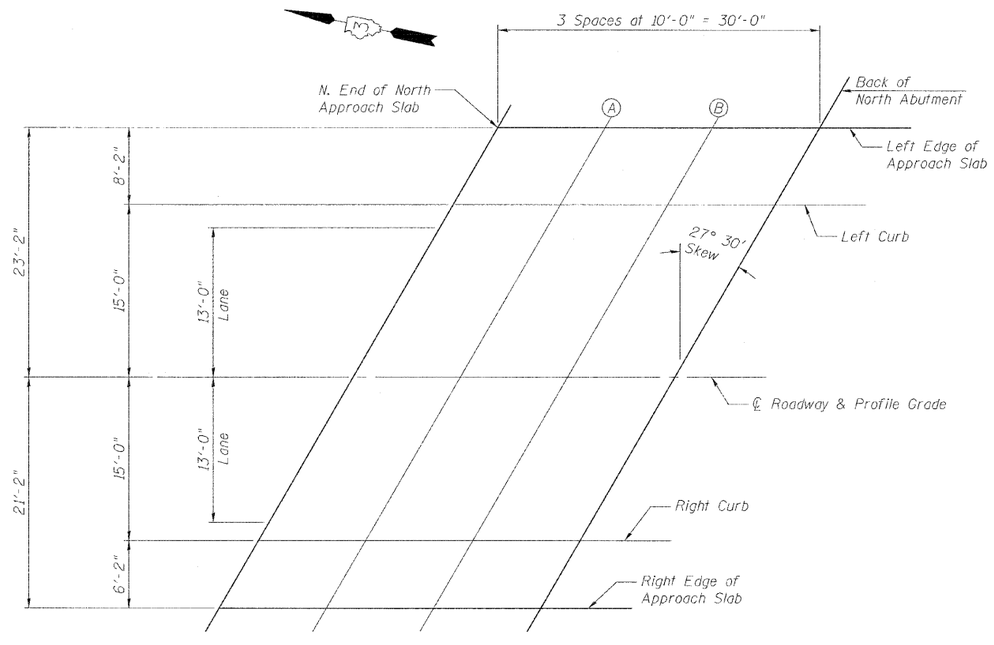
℄ ROADWAY & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
End N. Appr. Slab	178 + 81.16	0.00	479.15
A	178 + 91.16	0.00	479.18
B	179 + 1.16	0.00	479.21
Bk. N. Abut.	179 + 11.16	0.00	479.24

RIGHT CURB

Location	Station	Offset	Theoretical Grade Elevations
End N. Appr. Slab	178 + 73.35	15.00	478.82
A	178 + 83.35	15.00	478.85
B	178 + 93.35	15.00	478.88
Bk. N. Abut.	179 + 3.35	15.00	478.91





PLAN

RIGHT EDGE OF APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations
End N. Appr. Slab	178 + 70.14	21.17	478.68
A	178 + 80.14	21.17	478.71
B	178 + 90.14	21.17	478.74
Bk. N. Abut.	179 + 0.14	21.17	478.77

TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

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SHEET NO. 5
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	107
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LEFT EDGE OF APPROACH SLAB

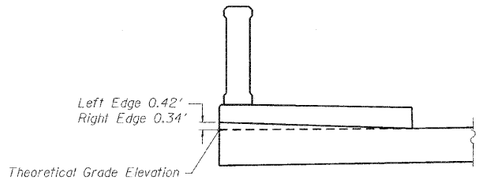
Location	Station	Offset	Theoretical Grade Elevations
Bk. S. Abut.	179 + 68.22	-23.17	478.93
A	179 + 78.22	-23.17	478.96
B	179 + 88.22	-23.17	478.99
End S. Appr. Slab	179 + 98.22	-23.17	479.02

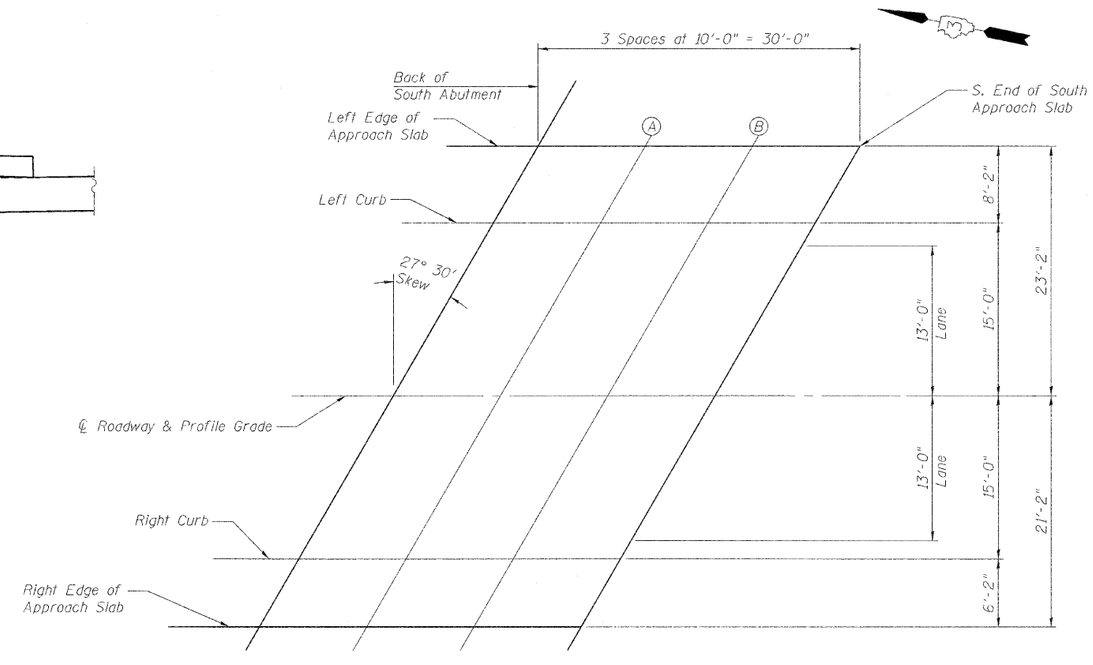
LEFT CURB

Location	Station	Offset	Theoretical Grade Elevations
Bk. S. Abut.	179 + 63.97	-15.00	479.09
A	179 + 73.97	-15.00	479.12
B	179 + 83.97	-15.00	479.15
End S. Appr. Slab	179 + 93.97	-15.00	479.18

℄ ROADWAY & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
Bk. S. Abut.	179 + 56.16	0.00	479.38
A	179 + 66.16	0.00	479.41
B	179 + 76.16	0.00	479.44
End S. Appr. Slab	179 + 86.16	0.00	479.47





PLAN

RIGHT CURB

Location	Station	Offset	Theoretical Grade Elevations
Bk. S. Abut.	179 + 48.35	15.00	479.04
A	179 + 58.35	15.00	479.07
B	179 + 68.35	15.00	479.10
End S. Appr. Slab	179 + 78.35	15.00	479.13

RIGHT EDGE OF APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations
Bk. S. Abut.	179 + 45.14	21.17	478.90
A	179 + 55.14	21.17	478.93
B	179 + 65.14	21.17	478.96
End S. Appr. Slab	179 + 75.14	21.17	478.99

TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

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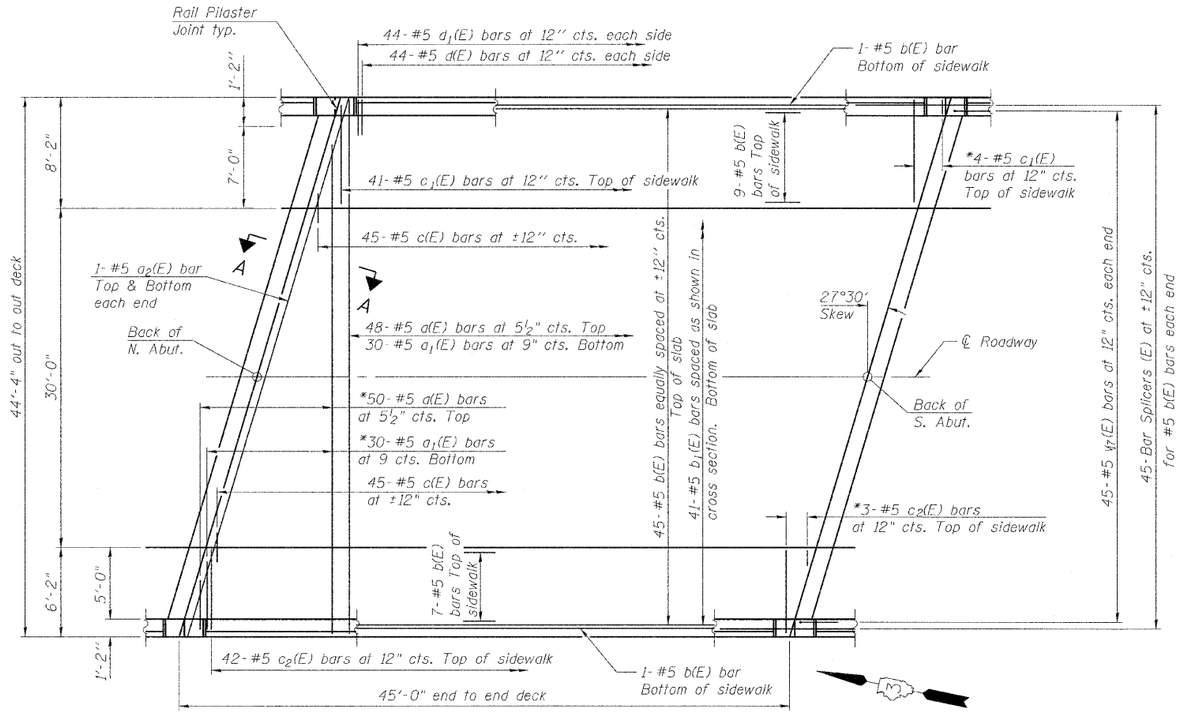
PROFESSIONAL DESIGN No. 184-002754

SHEET NO. 6
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	108
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

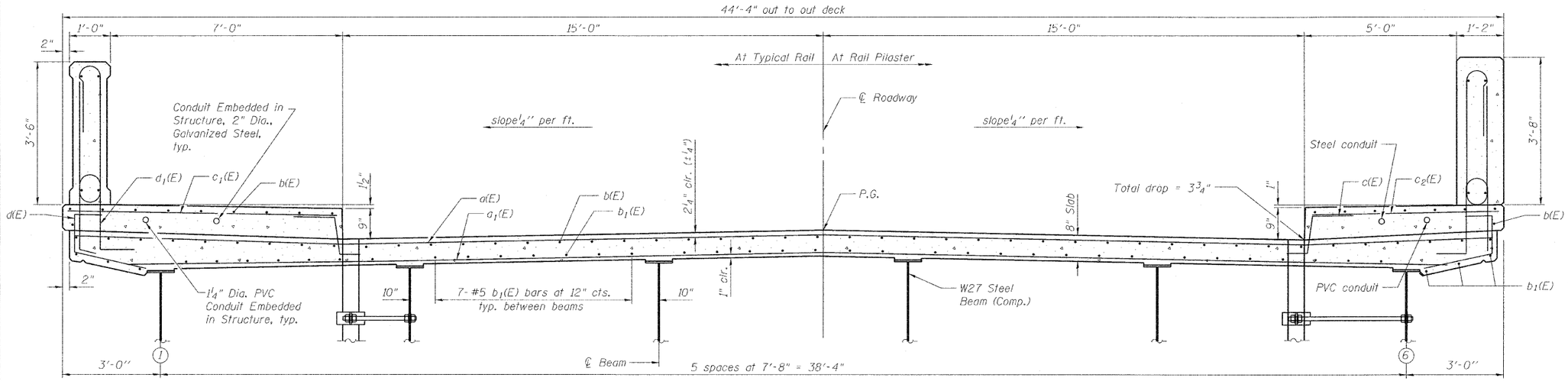
* Order d(E), a_1(E), c_1(E), & c_2(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PLAN

Notes:
See sheets 8 and 9 of 20 for superstructure details and Bill of Material.
See sheets 8 and 9 of 20 for rail reinforcement.
See sheet 18 of 20 for Bar Splicer Details.
See sheet 9 of 20 for Section A-A.
Conduit shown is provided and installed by the Contractor. Coordinate location and termini with the installer of the lighting. See lighting plans for additional details.



CROSS SECTION
(Looking South)

SUPERSTRUCTURE
STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

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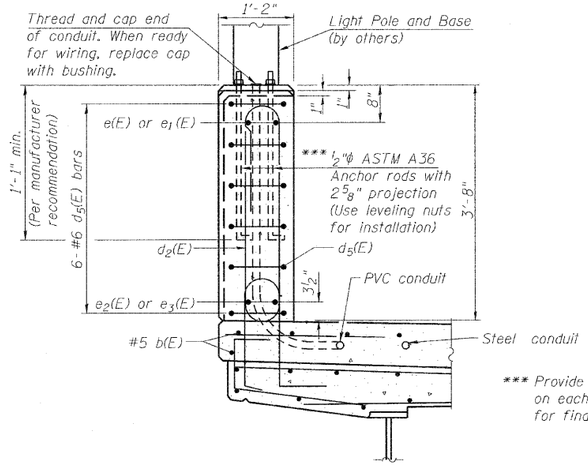
SHEET NO. 7
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	109
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

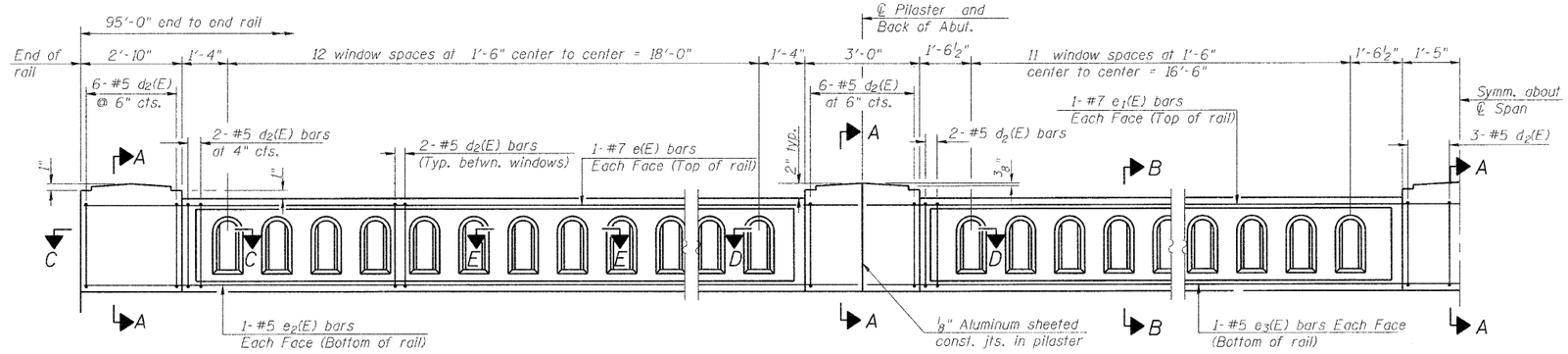
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



*** Provide and install flat washers on each side of base and locknuts for final tightening.

SECTION A-A

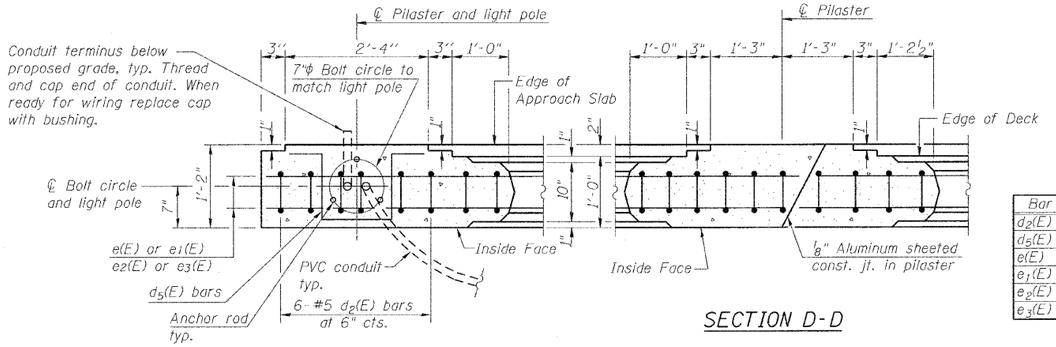
(Conduit not required at Abutment pilasters)
Span pilaster shown. Rail end pilasters and abutment pilasters are similar. See Section C-C, Section D-D, and notes below.



ABUTMENT PILASTER

SPAN PILASTER

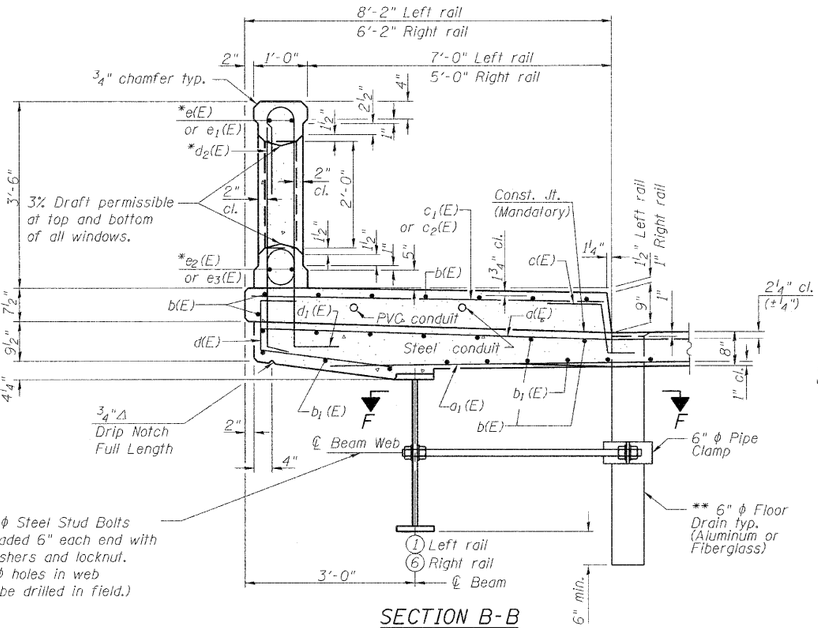
INSIDE ELEVATION OF RAIL



SECTION D-D

BAR LIST FOR TWO SECTIONS OF RAIL

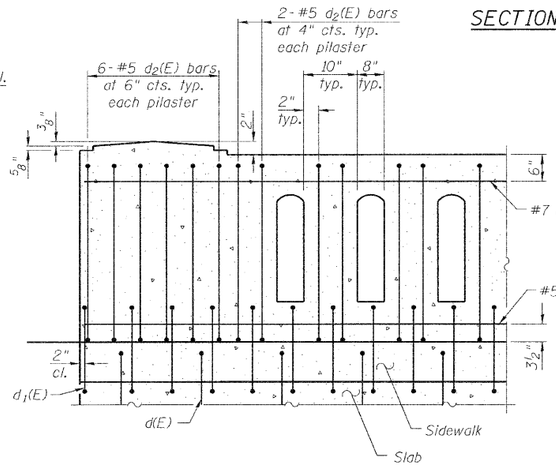
Bar	No.	Size	Length	Shape
$d_2(E)$	276	#5	8'-8"	
$d_5(E)$	36	#6	4'-0"	
e(E)	4	#7	49'-6"	
$e_1(E)$	4	#7	44'-9"	
$e_2(E)$	4	#5	49'-6"	
$e_3(E)$	4	#5	44'-9"	



SECTION B-B

* Bars e(E) thru $e_3(E)$ and $d_2(E)$ are included in the cost of Concrete Bridge Rail, Sidewalk Mounted. Order e(E) and $e_2(E)$ bars full length. Cut to fit skew at rail joint in pilaster and use remainder of bars at other end of rail.

** Floor drains shall be attached to the nearest beam. See Superstructure Cross Section on sheet 7 of 20.



SECTION C-C

TYPICAL REINFORCEMENT PLACEMENT

(Inside Face)

Notes:

All concrete for rail wall shall be Class BS according to Article 1020.04 of the Standard Specifications. Surface of railing shall receive a rubbed finish according to Article 503.15(b) of the Standard Specifications.

All parts of the rail including concrete and reinforcing will be paid for at the contract unit price per foot for Concrete Bridge Rail, Sidewalk Mounted.

Holes and recesses must be formed or cored. Drilling is not permitted.

Aluminum sheets shall be according to ASTM B209 alloy 3003-H14.

See sheet 9 of 20 for floor drain details, and sheet 1 of 20 for floor drain locations.

Anchor rods provided and installed by the Contractor, and paid for as Anchor Bolts, 1/2". Conduit shown is provided and installed by the Contractor. Coordinate location and termini of conduit and anchor rods with the installer of the lighting. See lighting plans for additional details.

Anchor rods for the light pole fixtures shall be equally spaced within the circular pattern as shown. A line perpendicular to the bridge rail and extending from the ℄ of the pattern toward the outside face shall pass through one of the bolts.

See Sheet 9 of 20 for Section E-E, details for bar $d_2(E)$ and bar $d_5(E)$, and Bill of Material.

Protective Coat shall be applied to all exterior surfaces of the rail and as specified in Article 503.19 of the Standard Specifications.

Conduit shall have 1 1/2" min. clearance to all reinforcement.

CONCRETE BRIDGE RAILING, SIDEWALK MOUNTED STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

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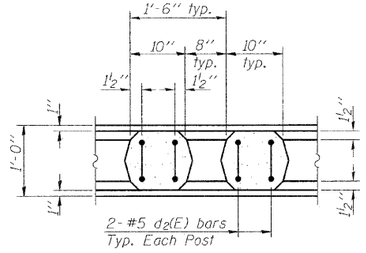
PROFESSIONAL DESIGN No 184-002754

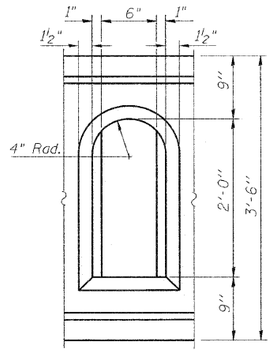
SHEET NO. 8
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	110
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

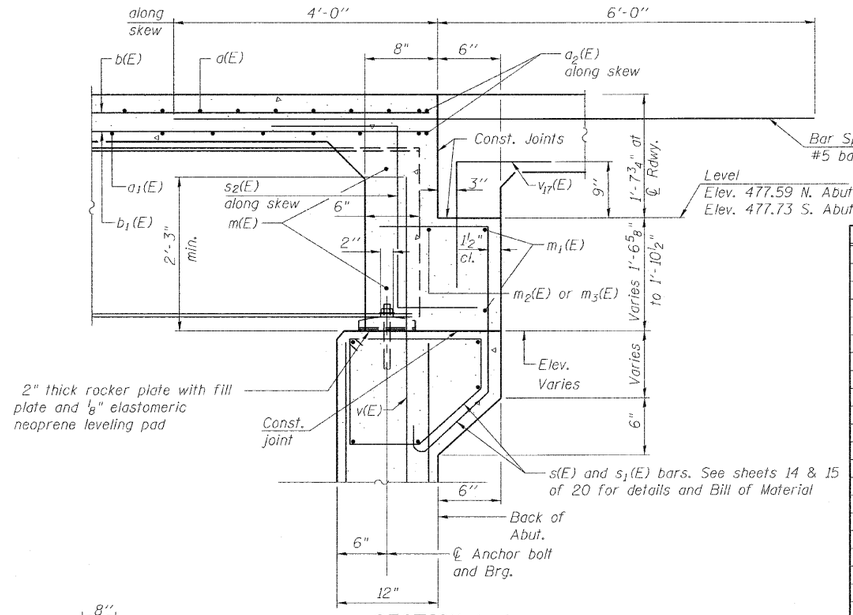
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SECTION E-E



WINDOW DETAIL

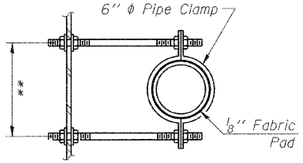


SECTION A-A

Dimensions at right angles to abutment, except as shown.

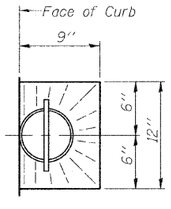
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	98	#5	43'-9"	
a_1(E)	60	#5	41'-6"	
a_2(E)	8	#5	27'-2"	
b(E)	63	#5	44'-9"	
b_1(E)	41	#5	44'-9"	
c(E)	90	#5	2'-5"	
c_1(E)	45	#5	7'-8"	
c_2(E)	45	#5	5'-8"	
d(E)	88	#5	3'-9"	
d_1(E)	88	#5	5'-7½"	
m(E)	24	#6	10'-11"	
m_1(E)	8	#6	27'-3"	
m_2(E)	2	#6	30'-0"	
m_3(E)	2	#6	24'-10"	
s_2(E)	92	#5	5'-1"	
v_{17}(E)	90	#5	3'-4"	
Reinforcement Bars, Epoxy Coated		Pound	15,550	
Concrete Superstructure		Cu. Yd.	79.8	
Concrete Bridge Rail, Sidewalk Mounted		Foot	190	
Floor Drains		Each	6	
Conduit Embedded in Structure, 2" Dia., Galvanized Steel		Foot	210	
Conduit Embedded in Structure, 1¼" Dia., PVC		Foot	238	
Anchor Bolts, ½"		Each	18	

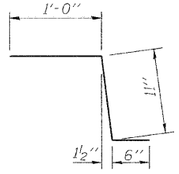


SECTION F-F

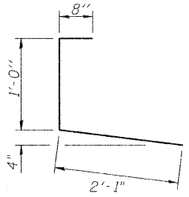
**Dimension as required by Pipe Clamp



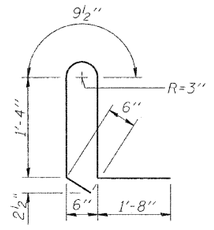
TOP PLAN



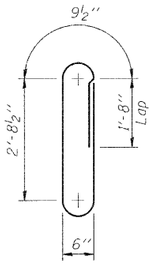
BAR c(E)



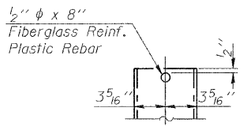
BAR d(E)



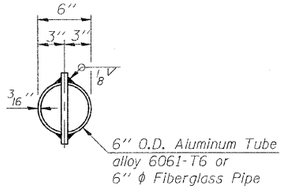
BAR d_1(E)



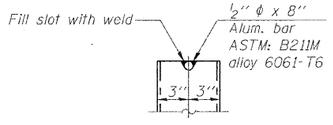
BAR d_2(E)



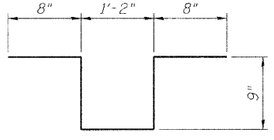
FIBERGLASS PIPE



TOP PLAN
(Showing Aluminum Tube)

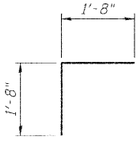


ALUMINUM TUBE

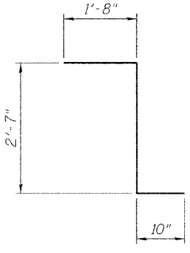


BAR d_5(E)

PILASTER JOINT
ALUMINUM JOINT DETAIL



BAR v_{17}(E)



BAR s_2(E)

MIN. BAR LAP
#6 bars = 2'-9"
#5 bars = 2'-3"

Notes:
The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to Steel Structures Painting Council's Spec. SSPC-SP1 prior to painting. Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum. Galvanize clamping device according to AASHTO M232.
See sheet 11 of 20 for Two Approaches Bill of Material.
See Sheet 14 & 15 of 20 for v(E) bars.

CONCRETE BRIDGE RAILING, SIDEWALK MOUNTED STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

McDonough-Whitlow, P.C.
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138 East Wood Street
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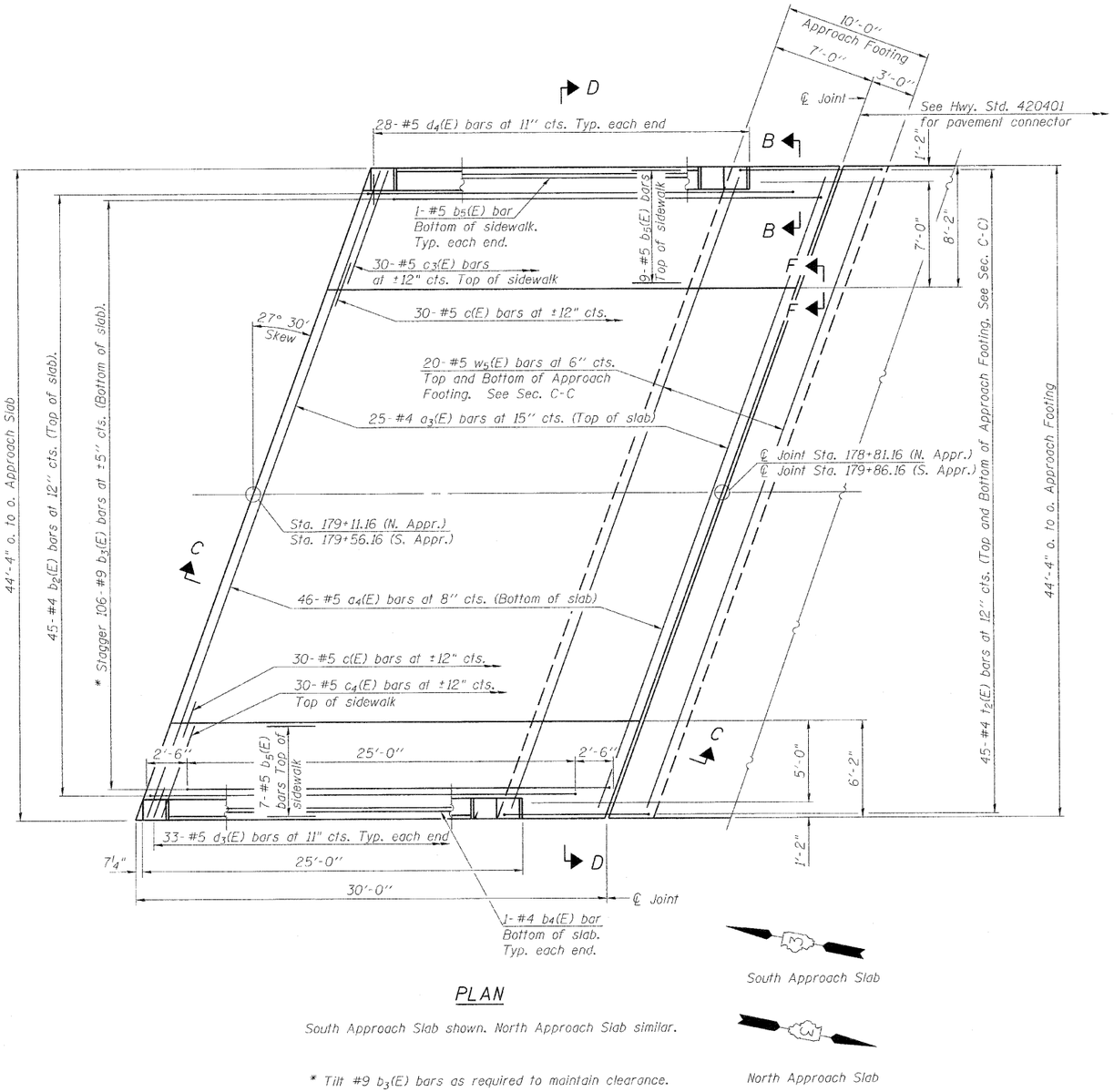
Fax: 217.532.6300
PROFESSIONAL DESIGN No. 184-002754

SHEET NO. 9
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	111
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PLAN

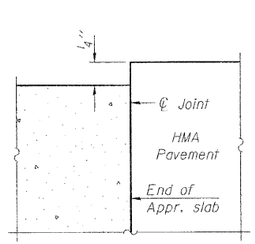
South Approach Slab shown. North Approach Slab similar.

* Tilt #9 $b_3(E)$ bars as required to maintain clearance.

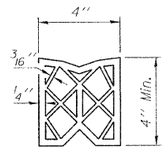
South Approach Slab

North Approach Slab

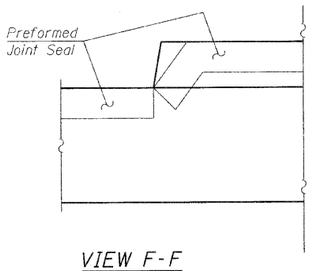
*** Cost included with Concrete Superstructure.



DETAIL A

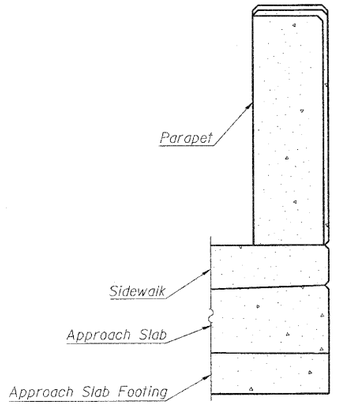


PREFORMED JOINT SEAL



VIEW F-F

Angle Preformed Joint Seal at 45° at curbs when req'd for drainage.



VIEW B-B

(Exit ends only)

Notes:
See sheet 11 of 20 for Sections C-C & D-D.
$a_3(E)$, $a_4(E)$, $c(E)$, $c_3(E)$, $c_4(E)$, $d_3(e)$ and $w_5(E)$ bar spacings measured perpendicular to ℄ Rdwy.
See sheets 8 and 9 of 20 for bridge rail details.

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

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Consulting Engineers & Land Surveyors
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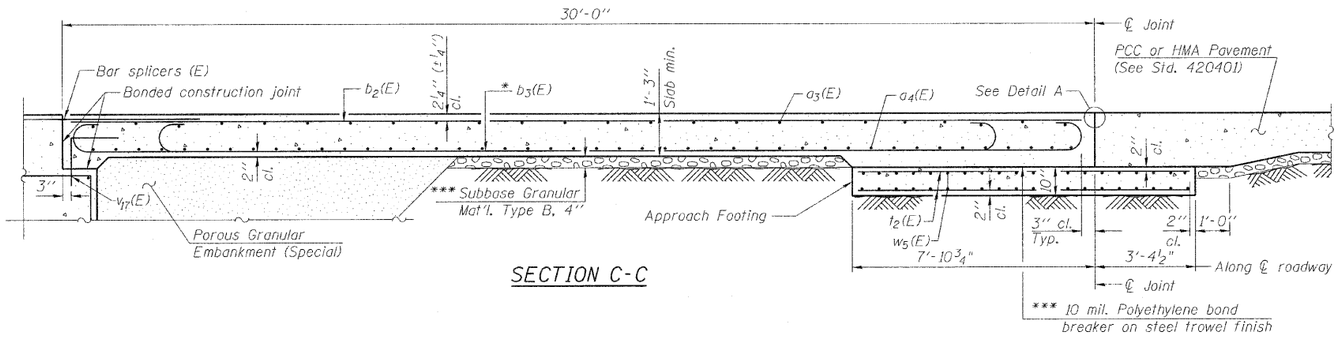
PROFESSIONAL DESIGN No. 184-002754

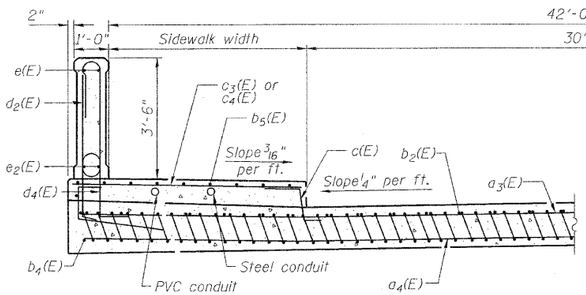
SHEET NO. 10
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	112
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

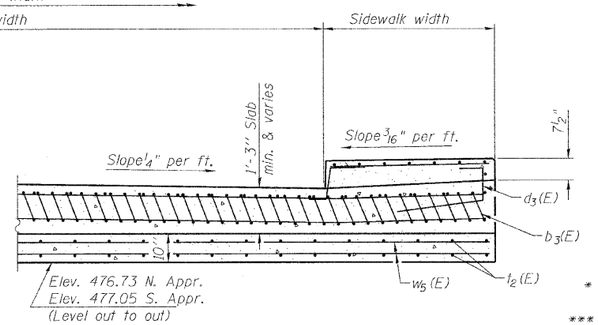


SECTION C-C



NEAR ABUTMENT

SECTION D-D
(See Plan for dimensions not shown)



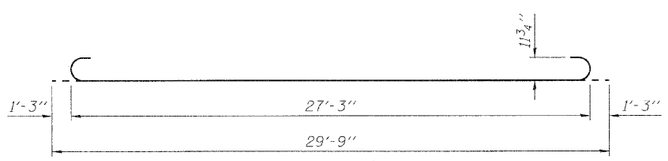
AT APPROACH FOOTING

* Tilt #9 b_3(E) bars as required to maintain clearance.

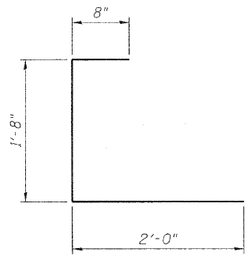
*** Cost included with Concrete Superstructure.

TWO APPROACHES
BILL OF MATERIAL

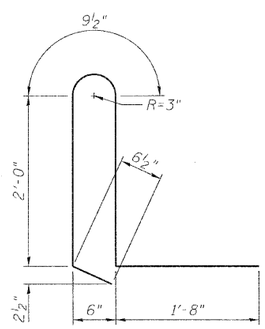
Bar	No.	Size	Length	Shape
a_3(E)	50	#4	49'-7"	
a_4(E)	92	#5	49'-7"	
b_2(E)	90	#4	29'-8"	
b_3(E)	212	#9	29'-9"	
b_4(E)	4	#4	29'-8"	
b_5(E)	36	#5	29'-8"	
c(E)	120	#5	2'-5"	
c_3(E)	60	#5	8'-10"	
c_4(E)	60	#5	6'-7"	
d_3(E)	132	#5	4'-4"	
d_4(E)	112	#5	7'-0"	
t_2(E)	180	#4	10'-11"	
w_5(E)	80	#5	49'-7"	
Concrete Superstructure		Cu. Yd.	157.1	
Concrete Structures		Cu. Yd.	30.7	
Reinforcement Bars, Epoxy Coated		Pound	38,970	



BAR b_3(E)



BAR d_3(E)



BAR d_4(E)

Notes:
See sheet 10 of 20 for Detail A and View B-B.
Approach slab and sidewalk concrete shall be paid for as Concrete Superstructure.
Approach footing concrete shall be paid for as Concrete Structures.
Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
For c(E), d_2(E), and v_{17}(E) bar details, see sheet 9 of 20.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
For bar splicer details, see sheet 18 of 20.
Cost of excavation for approach footing included with Concrete Structures.
For Porous Granular Embankment (Special) and drainage treatment details, see sheet 16 of 20.
Concrete Bridge Rail, Sidewalk Mounted is included in the Superstructure Bill of Material.
Bars designated d_2(E), e(E), and e_2(E) are included in the Concrete Bridge Rail Bar List, and are included in the Cost of Concrete Bridge Rail, Sidewalk Mounted.

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

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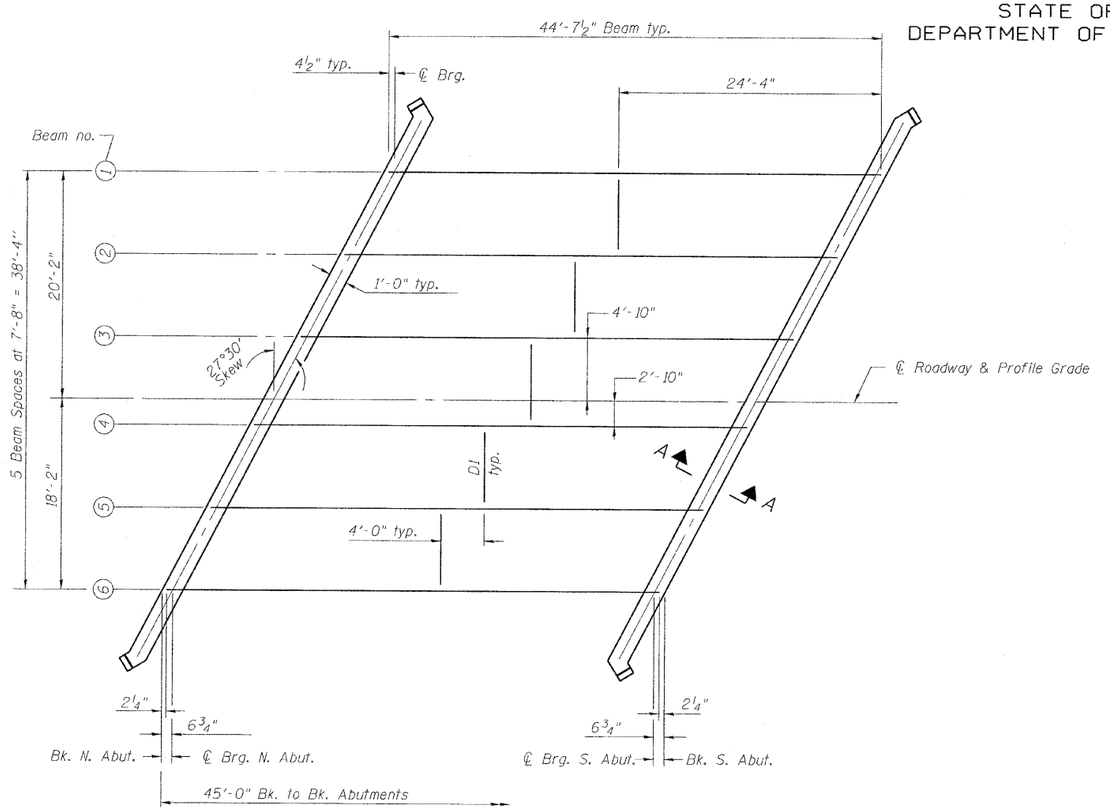
PROFESSIONAL DESIGN No. 184-002754

SHEET NO. 11
20 SHEETS

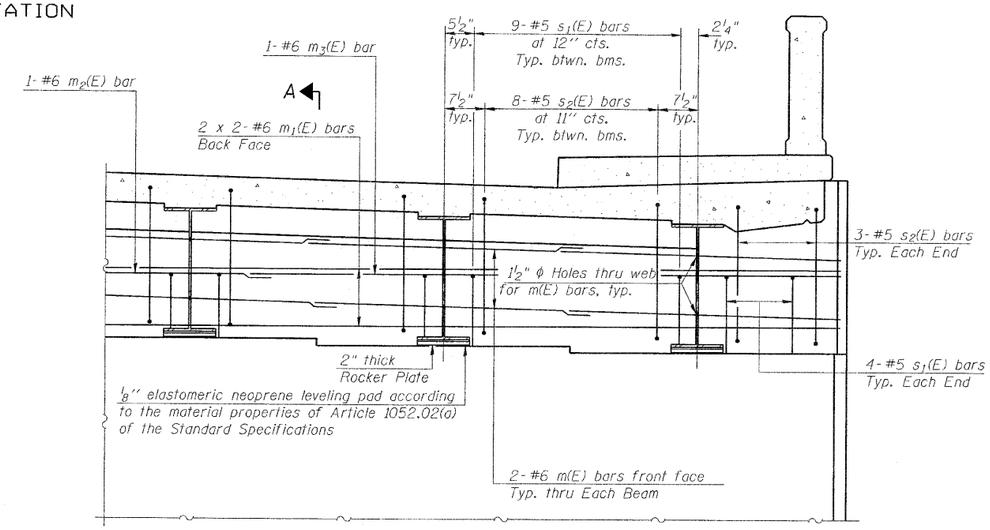
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	113
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

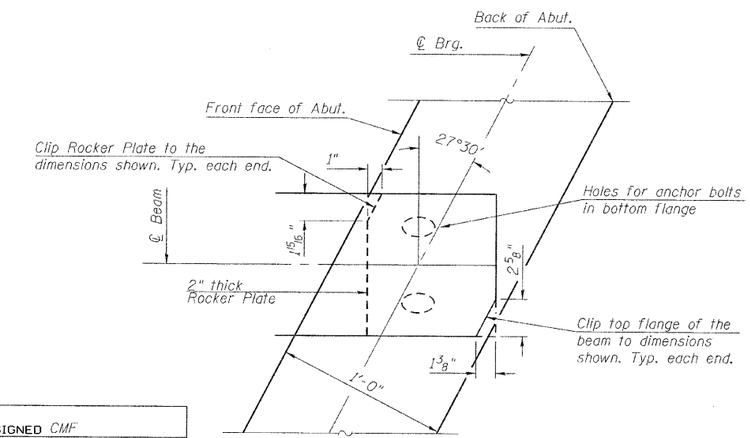


FRAMING PLAN

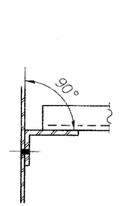
All beams are W27x84 (NTR) M270 Gr. 50.



DIAPHRAGM ELEVATION AT ABUTMENT

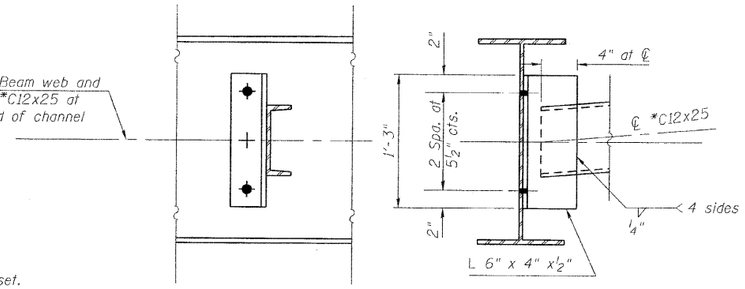


BEAM BEARING DETAIL



PLAN

See Framing Plan for diaphragm offset.



ELEVATION

SECTION

INTERIOR DIAPHRAGM D1

No. Req'd = 5

* C12x30 may be used as an alternate size to facilitate material aquisition. Calculated weight of structural steel is based on the lighter section.
If alternate is utilized, it shall be provided at no extra cost to the Department.

MIN. BAR LAP

#6 bar = 2'-9"

Notes:
See sheet 9 of 20 for Section A-A.
See sheet 13 of 20 for bearing details.
Structural steel for diaphragms and connecting plates shall be AASHTO M270 Grade 36.
Reinforcement bars in diaphragm are billed with superstructure on sheet 9 of 20 .
Concrete in diaphragm is included with Concrete Superstructure on sheet 9 of 20 .
For details of bar $s_2(E)$ see sheet 9 of 20, and for details of bar s(E) and $s_1(E)$ and Bill of Material see sheet 14 and 15 of 20.
The $s_2(E)$ bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
All cross frames or diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

FRAMING PLAN
STRUCTURE NO. 050-0250

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PROFESSIONAL DESIGN No. 184-002754

SHEET NO. 12
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	114
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

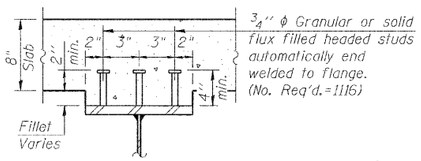
TOP OF BEAM ELEVATIONS

(For Fabrication Only)

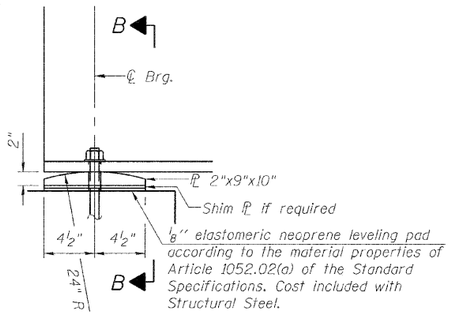
Beam	Location ℄ Brg. N. Abut.	℄ Brg. S. Abut.
1	478.15	478.28
2	478.29	478.42
3	478.44	478.57
4	478.44	478.57
5	478.30	478.43
6	478.13	478.26

BILL OF MATERIAL

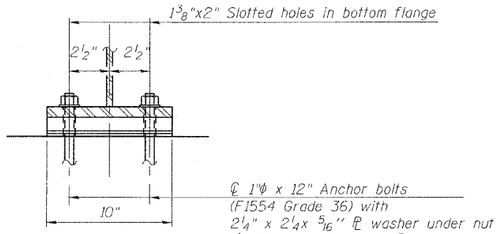
Item	Unit	Total
Furnishing and Erecting Structural Steel	L. Sum	1
Stud Shear Connectors	Each	1116
Anchor Bolts, 1"	Each	24



SECTION A-A



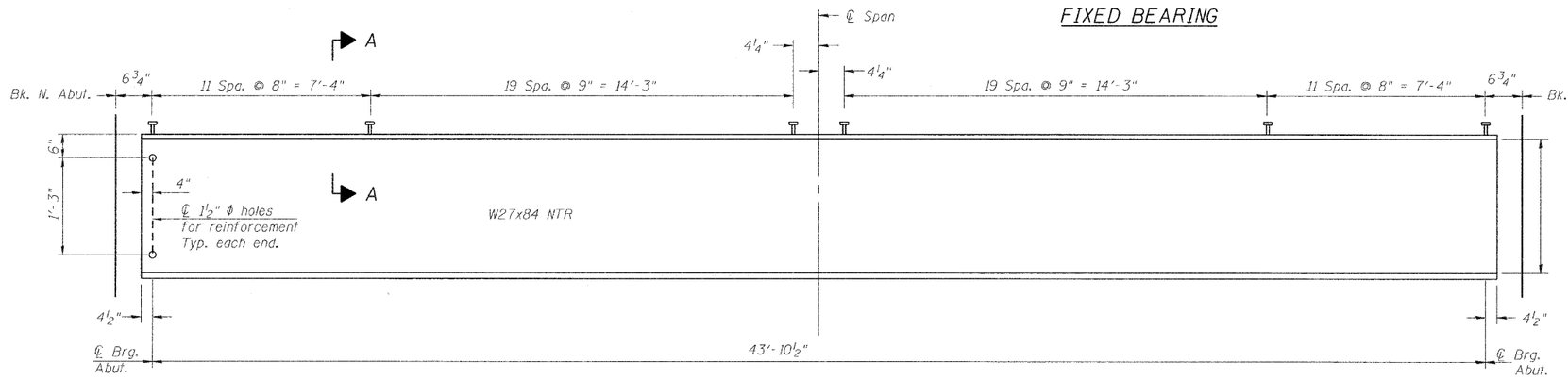
ELEVATION AT BEARING



SECTION B-B

INTERIOR BEAM MOMENT TABLE		0.5 Span (Appr.)
I_s	(in^4)	2850
$I_c(n)$	(in^4)	9014
$I_c(3n)$	(in^4)	6904
S_s	(in^3)	213
$S_c(n)$	(in^3)	338
$S_c(3n)$	(in^3)	308
DC1	(k/')	0.879
M_{DC1}	('k)	211.5
DC2	(k/')	0.363
M_{DC2}	('k)	87.4
DW	(k/')	0.267
M_{DW}	('k)	64.2
M_{L+Imp}	('k)	592.4
M_u (Strength I)	('k)	1507
$\phi_f M_n$	('k)	1930
f_s DC1	(ksi)	11.9
f_s DC2	(ksi)	3.4
f_s DW	(ksi)	2.5
f_s 1.3(L + Imp)	(ksi)	27.3
f_s (Service II)	(ksi)	45.2
V_f	(k)	22.3

FIXED BEARING



BEAM ELEVATION

"NTR" denotes members to which notch toughness requirements are applicable.

Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Structural steel for bearing plates shall be AASHTO M270, Grade 36.

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

See sheet 12 of 20 for diaphragm and additional beam bearing details.

I_s, S_s: Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads ($in.^4$ and $in.^3$).

$I_c(n)$, $S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) due to short-term composite live loads ($in.^4$ and $in.^3$).

$I_c(3n)$, $S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) due to long-term composite (superimposed) dead loads ($in.^4$ and $in.^3$).

DC1: Un-factored non-composite dead load (kips/ft.).

M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

M_{L+Imp}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

M_u (Strength I): Factored design moment (kip-ft.).
$1.25\ (M_{DC1} + M_{DC2}) + 1.5\ M_{DW} + 1.75\ M_{L+Imp}$

$\phi_f M_n$: Compact composite positive moment capacity computed according to Article 6.10.7.1 (kip-ft.).

f_s (Service II): Sum of stresses as computed from the moments below (ksi).
$M_{DC1} + M_{DC2} + M_{DW} + 1.3\ M_{L+Imp}$

V_f: Factored shear range computed according to Article 6.10.10.

INTERIOR BEAM REACTION TABLE HL93 Loading		Abut's.
R_{DC1}	(k)	19.3
R_{DC2}	(k)	8.0
R_{DW}	(k)	5.9
R_{L+Imp}	(k)	78.1
R_{Total}	(k)	111.3

BEAM DETAILS
STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

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PROFESSIONAL DESIGN No. 184-002754

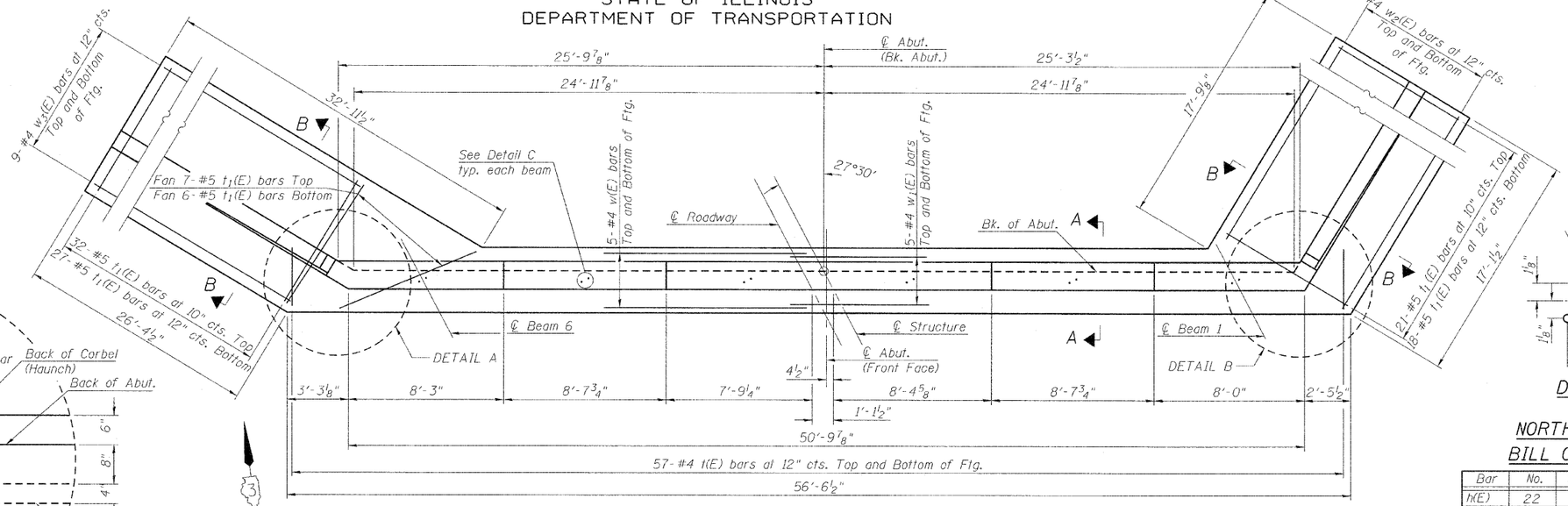
SHEET NO. 13
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	115
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

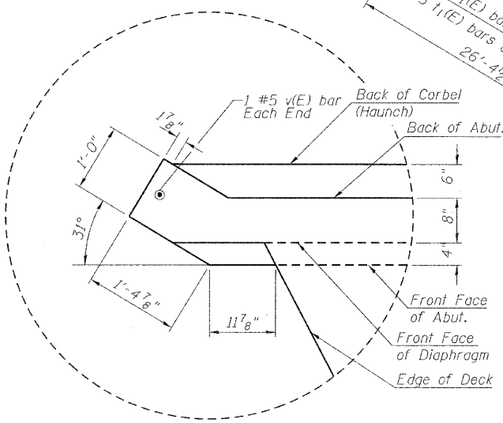
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MINIMUM BAR LAP

#4 (E) bar = 1'-4"
#4 (E) bar = 1'-10" (h_1(E) only)
#5 (E) bar = 1'-8"
#6 (E) bar = 2'-9"

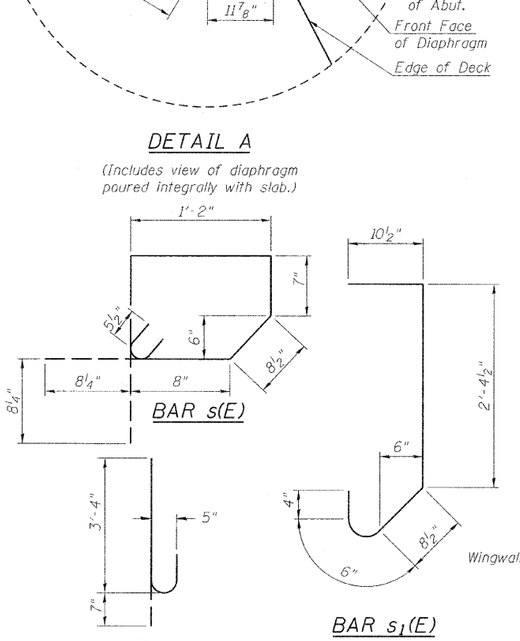


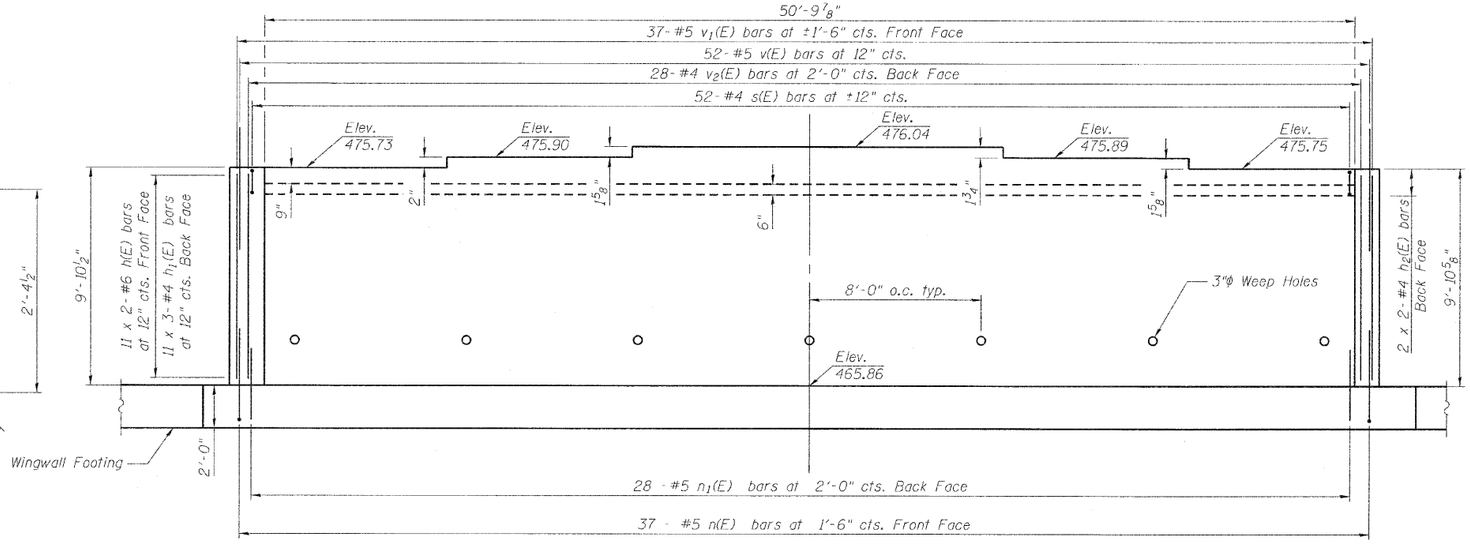
PLAN NORTH ABUTMENT



DETAIL A

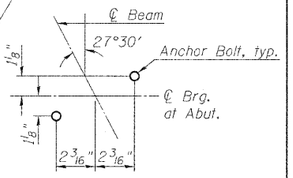
(Includes view of diaphragm poured integrally with slab.)





ELEVATION NORTH ABUTMENT

(Dimensions at Front Face of Abutment)



DETAIL C

NORTH ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	22	#6	26'-9"	
h_1(E)	33	#4	18'-7"	
h_2(E)	4	#4	26'-6"	
n(E)	37	#5	3'-11"	
n_1(E)	28	#5	3'-0"	
s(E)	52	#4	5'-7"	
s_1(E)	53	#5	4'-9 1/2"	
t(E)	114	#4	3'-5"	
t_1(E)	111	#5	8'-1"	
v(E)	54	#5	4'-6"	
v_1(E)	37	#5	9'-7"	
v_2(E)	28	#4	9'-7"	
w(E)	10	#4	30'-0"	
w_1(E)	10	#4	27'-10"	
w_2(E)	18	#4	16'-11"	
w_3(E)	18	#4	26'-3"	
Concrete Structures		Cu. Yd.	33.9	
Reinforcement Bars, Epoxy Coated		Pound	4,970	
Rock Excavation for Structures		Cu. Yd.	5	
Porous Granular Embankment, Special		Cu. Yd.	91	

Notes:
Backfill shall be placed behind the abutment after the superstructure has been poured and falsework removed. See Article 502.10 of the Standard Specifications.
See sheet 15 of 20 for Detail B and Section A-A.
Pour steps monolithically with abut. wall.
See sheet 12 of 20 for layout of bar s_1(E).
Stagger laps of w(E) and w_1(E) bars in Top and Bottom of Ftg.
See sheet 16 of 20 for Section B-B.
Bars indicated thus 11 x 2-#6 etc. indicates 11 lines of bars with 2 lengths per line.

NORTH ABUTMENT
STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

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PROFESSIONAL DESIGN No. 184-002754

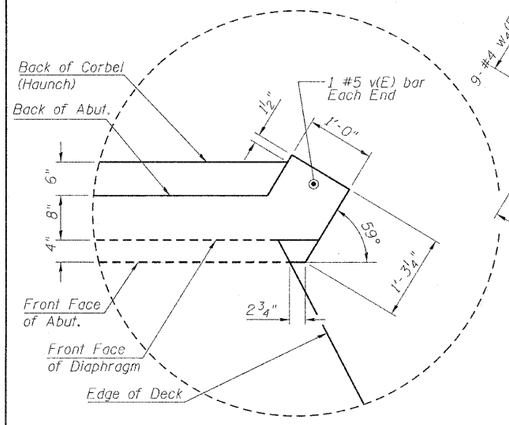
SHEET NO. 14
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	116
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

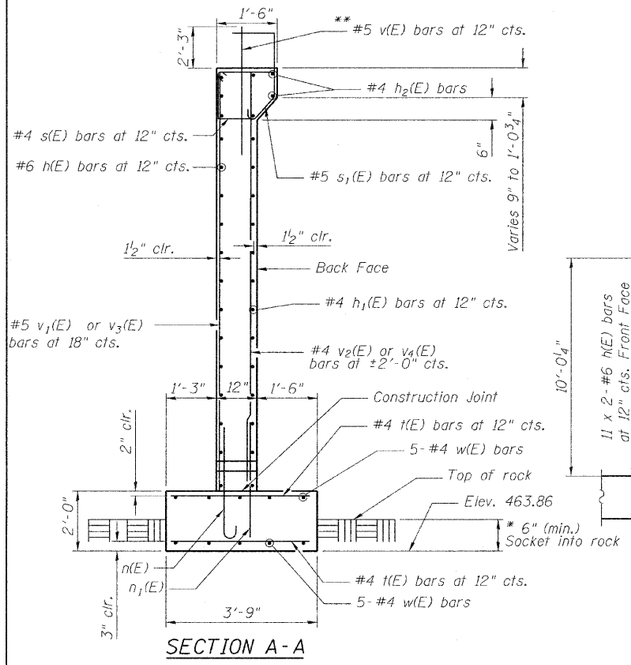
MINIMUM BAR LAP

#4 (E) bar = 1'-4"
#4 (E) bar = 1'-10" (h_1(E) only)
#5 (E) bar = 1'-8"
#6 (E) bar = 2'-9"

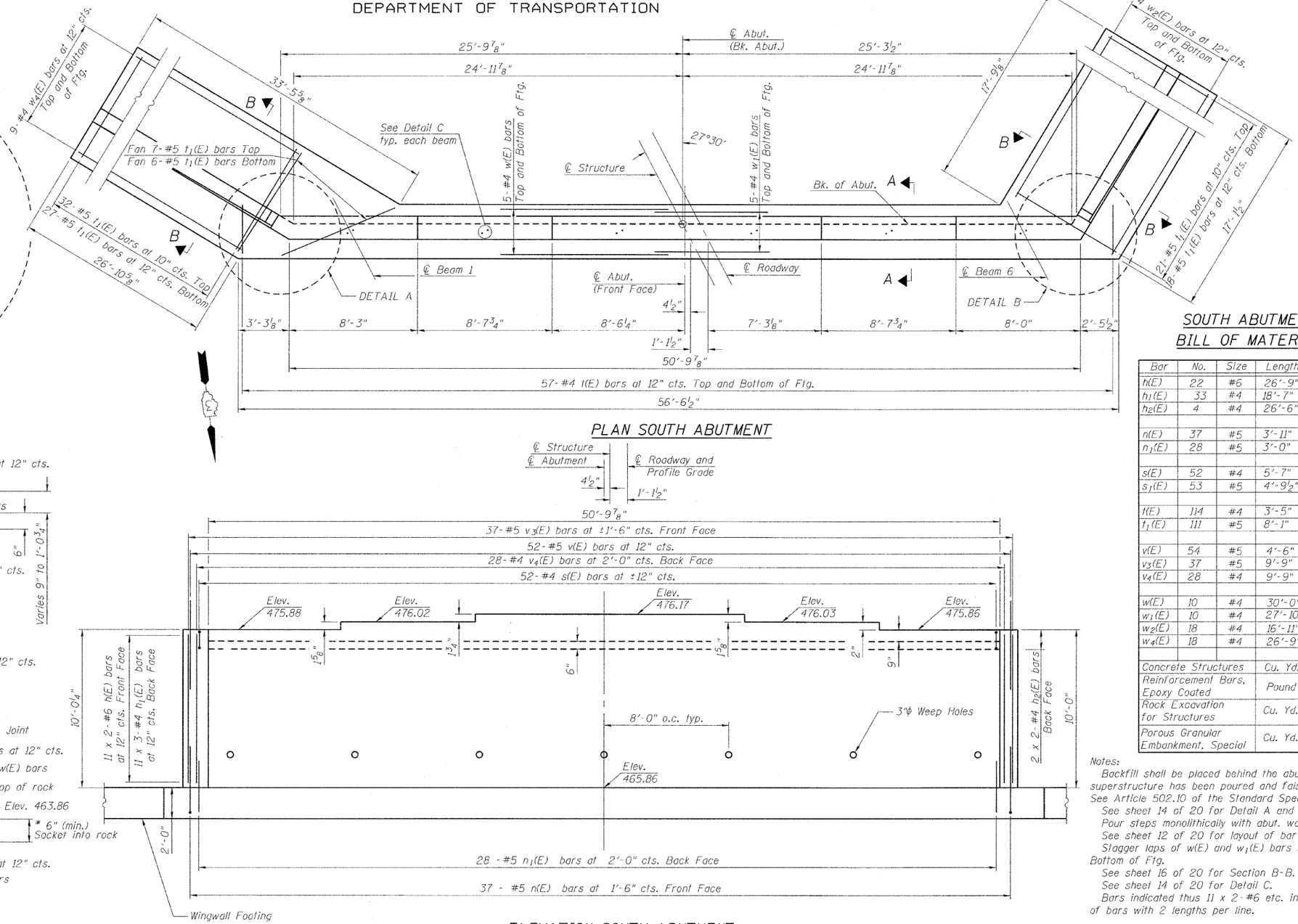


DETAIL B

(Includes view of diaphragm poured integrally with slab.)



SECTION A-A



PLAN SOUTH ABUTMENT

ELEVATION SOUTH ABUTMENT

(Dimensions at Front Face of Abutment)

SOUTH ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	22	#6	26'-9"	
h_1(E)	33	#4	18'-7"	
h_2(E)	4	#4	26'-6"	
n(E)	37	#5	3'-11"	
n_1(E)	28	#5	3'-0"	
s(E)	52	#4	5'-7"	
s_1(E)	53	#5	4'-9½"	
t(E)	114	#4	3'-5"	
t_1(E)	111	#5	8'-1"	
v(E)	54	#5	4'-6"	
v_3(E)	37	#5	9'-9"	
v_4(E)	28	#4	9'-9"	
w(E)	10	#4	30'-0"	
w_1(E)	10	#4	27'-10"	
w_2(E)	18	#4	16'-11"	
w_4(E)	18	#4	26'-9"	
Concrete Structures		Cu. Yd.	34.2	
Reinforcement Bars, Epoxy Coated		Pound	4,980	
Rock Excavation for Structures		Cu. Yd.	14	
Porous Granular Embankment, Special		Cu. Yd.	92	

Notes:
Backfill shall be placed behind the abutment after the superstructure has been poured and falsework removed. See Article 502.10 of the Standard Specifications.
See sheet 14 of 20 for Detail A and Bar Details.
Pour steps monolithically with abut. wall.
See sheet 12 of 20 for layout of bar s_1(E).
Stagger laps of w(E) and w_1(E) bars in Top and Bottom of Fig.
See sheet 16 of 20 for Section B-B.
See sheet 14 of 20 for Detail C.
Bars indicated thus 11 x 2-#6 etc. indicates 11 lines of bars with 2 lengths per line.

SOUTH ABUTMENT STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

* Bottom of footing shall be placed at or below the elevation shown.

** Space v(E) bars to miss locations of bearings.

Maximum applied service bearing pressure, Q_{max} = 5850 psf

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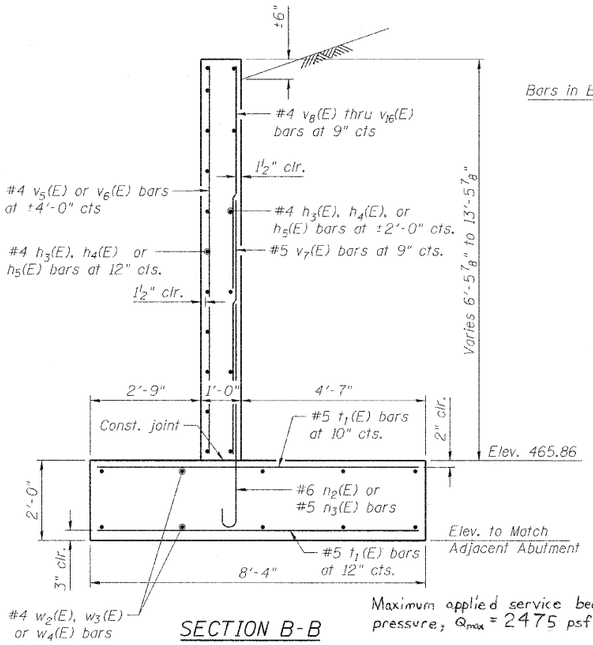
PROFESSIONAL DESIGN No. 184-002754

SHEET NO. 15
20 SHEETS

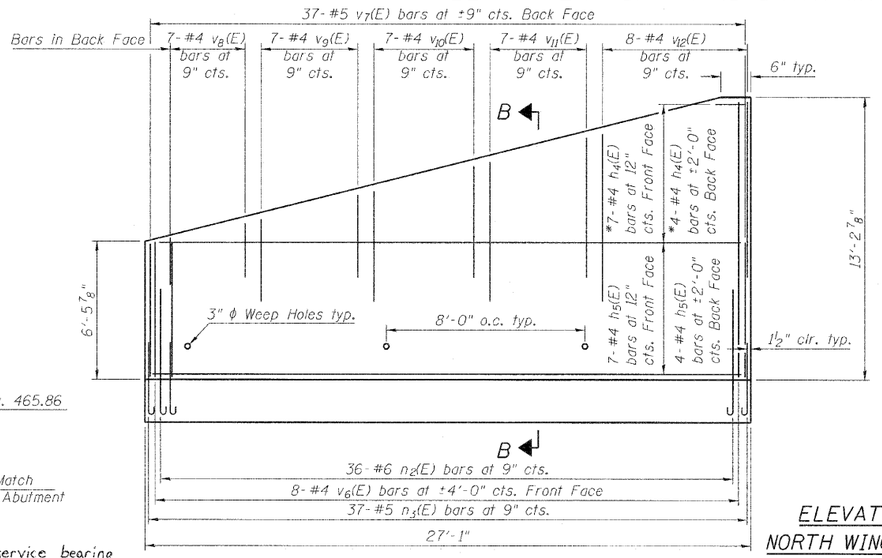
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	117
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

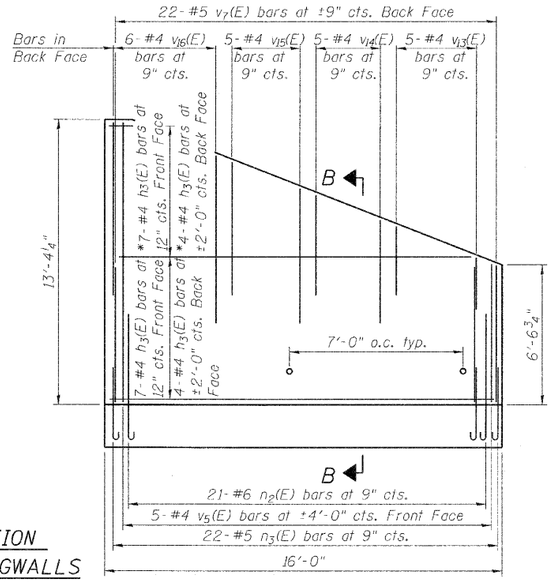


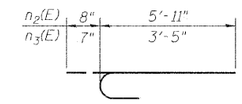
SECTION B-B

Maximum applied service bearing pressure, Q_{max} = 2475 psf

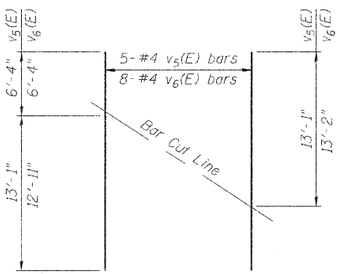


ELEVATION
NORTH WINGWALLS
(Looking North)





BAR $n_2(E)$ & $n_3(E)$

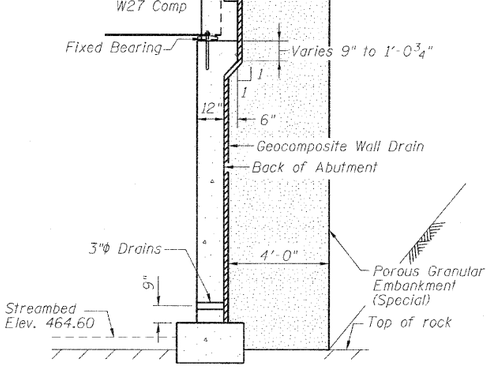


BAR CUT DIAGRAM

Use half of the cut bars in one wingwall and the remaining bars in the opposite corner wingwall.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$h_3(E)$	33	#4	15'-9"	
$h_4(E)$	22	#4	27'-4"	
$h_5(E)$	11	#4	26'-10"	
$n_2(E)$	114	#6	6'-7"	
$n_3(E)$	118	#5	4'-0"	
$v_5(E)$	5	#4	19'-5"	
$v_6(E)$	8	#4	19'-3"	
$v_7(E)$	118	#5	6'-3"	
$v_8(E)$	14	#4	2'-10"	
$v_9(E)$	14	#4	4'-2"	
$v_{10}(E)$	14	#4	5'-6"	
$v_{11}(E)$	14	#4	6'-10"	
$v_{12}(E)$	16	#4	8'-3"	
$v_{13}(E)$	10	#4	3'-1"	
$v_{14}(E)$	10	#4	4'-9"	
$v_{15}(E)$	10	#4	6'-5"	
$v_{16}(E)$	12	#4	8'-2"	
Concrete Structures		Cu. Yd.	90.7	
Reinforcement Bars, Epoxy Coated		Pound	3,930	
Structure Excavation		Cu. Yd.	141	
Rock Excavation for Structures		Cu. Yd.	103	

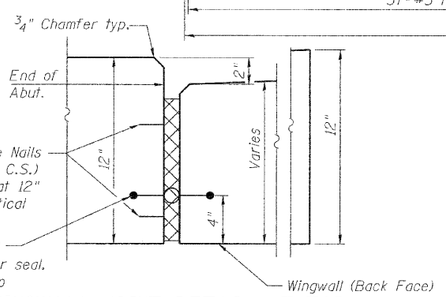


SECTION THRU CLOSED ABUTMENT

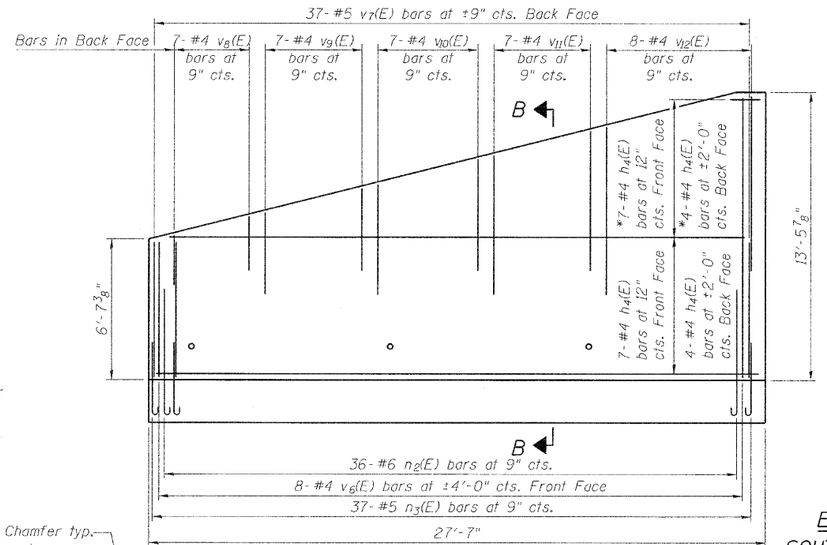
Abutment quantities are billed on sheets 14 & 15 of 20.

MIN. BAR LAP

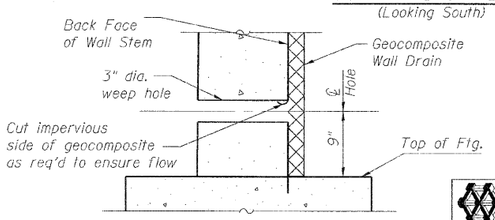
#4 bar = 1'-4"
#5 bar = 1'-8"



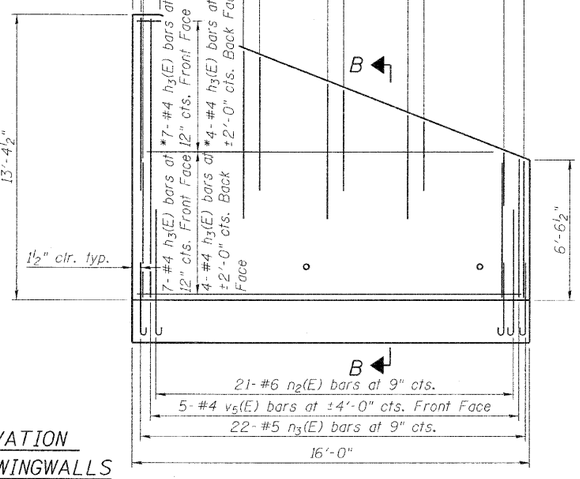
WINGWALL JOINT DETAIL AT TOP



ELEVATION
SOUTH WINGWALLS
(Looking South)



WEEP HOLE DRAIN DETAIL



* Order $h_3(E)$ and $h_4(E)$ bars full length. Cut bars to fit skew in top of wingwall and use the remaining bars in the opposite corner wingwall.

Notes:
Bars designated $t_1(E)$, $w_2(E)$, $w_3(E)$, and $w_4(E)$ are billed on sheets 14 and 15 of 20.
Stagger spacings of $n_2(E)$ and $n_3(E)$ bars.
Lap $v_8(E)$ thru $v_{16}(E)$ bars with $v_7(E)$ bars.
Lap $v_7(E)$ bars with $n_3(E)$ bars.

ABUTMENT DETAILS
STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

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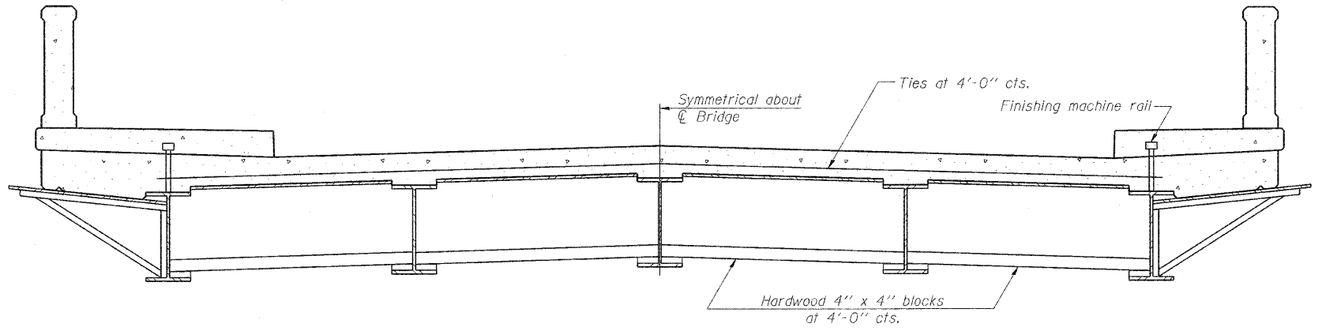
PROFESSIONAL DESIGN No. 184-002754

SHEET NO. 16
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	118
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



FORM BRACES FOR
STANDARD CONSTRUCTION

Notes:

When cantilever forming brackets are used, the work shall be done according to Article 503.06(b) of the Standard Specifications, except as modified below and in the details shown on this sheet.

The finishing machine rails shall be placed on the top flange of the exterior beams.

The beams or girders, supporting cantilever forming brackets, shall be tied together at 4 foot intervals.

For Standard construction, or Stage Construction the Hardwood bracing materials shall be placed as shown between webs of beams in each bay.

CANTILEVER FORMING BRACKETS FOR SUPERSTRUCTURES WITH W27 BEAMS AND SMALLER STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

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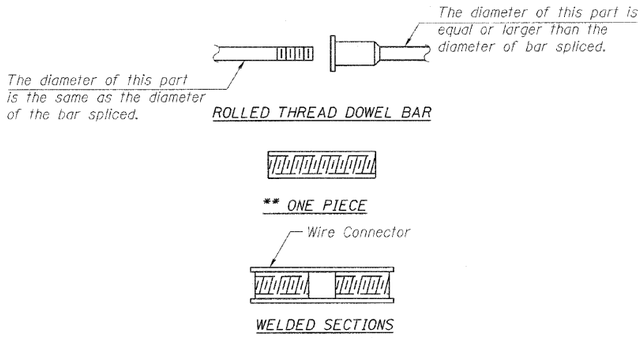
PROFESSIONAL DESIGN No. 184-002754

SHEET NO. 17
20 SHEETS

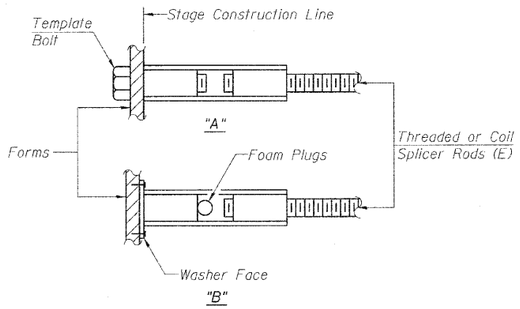
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	119
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



BAR SPLICER ASSEMBLY ALTERNATIVES

**Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.

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

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

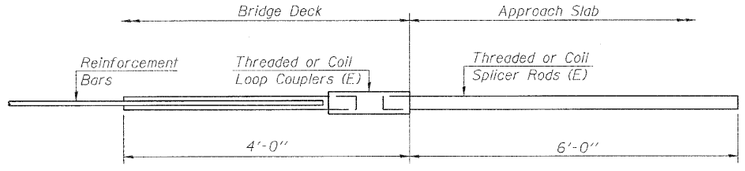
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

① Minimum Capacity (Tension in kips) = 1.25 x fy x A_t

② Minimum *Pull-out Strength (Tension in kips) = 0.66 x fy x A_t

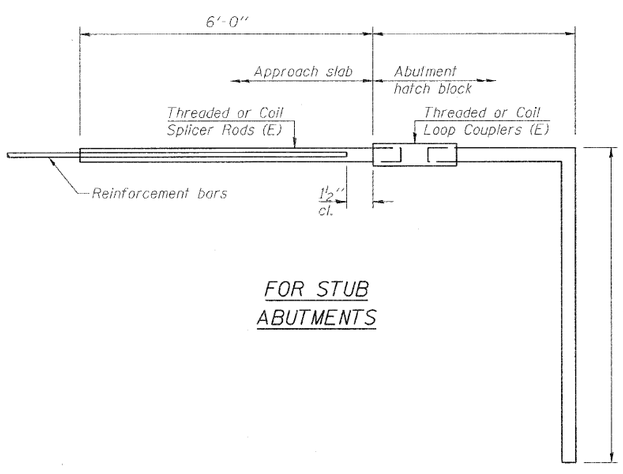
Where fy = Yield strength of lapped reinforcement bars in ksi.
A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-2"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



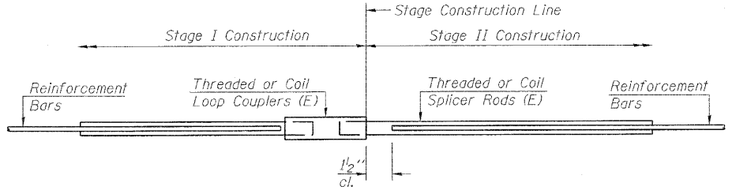
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =90



FOR STUB ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =



STANDARD

Bar Size	No. Assemblies Required	Location

BAR SPLICER ASSEMBLY DETAILS
STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

BSD-1 10-1-08

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PROFESSIONAL DESIGN No. 184-002754

SHEET NO. 18
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	120
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 8/26/04

ROUTE IL 178 Realignment DESCRIPTION New Canal Bridge LOGGED BY Larry Meyers

SECTION _____ LOCATION , SEC. 8, TWP. 33N, RNG. 2, 3rd PM

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-7201
Station _____

BORING NO. 3 North Abutment
Station 178+79.12
Offset 8.16ft Rt
Ground Surface Elev. 477.95 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Description
				Augured Brown Sandy Loam and Brown Gravel Fill.
475.95				
	3			Loose Brown Loamy Sand/Gravel Fill.
	2		6.4	
	3			
-5	1			
	2		17.0	
	3			
470.95				
	7			Tan Limestone Pieces with Interclay (Weathered Limestone Surface).
	9		11.3	
	100/3"			
467.95 -10	100/5"			
				Borehole continued with rock coring.
-15				
-20				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 9/1/04

ROUTE IL 178 Realignment DESCRIPTION New Canal Bridge LOGGED BY Larry Meyers

SECTION _____ LOCATION , SEC. 8, TWP. 33N, RNG. 2, 3rd PM

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-7201
Station _____

BORING NO. 4 South Abutment
Station 179+73.76
Offset 5.80ft Rt
Ground Surface Elev. 472.37 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Description
				Augured Black Sandy Loam.
469.87				
469.37	2			Medium Black Sandy Loam Fill.
	2			Stiff Black Sandy Clay Loam Fill.
	3	1.8 P	19.1	
467.87 -5				
	66			Limestone and Sandstone Pieces with Interclay (Weathered Rock Surface).
	96		4.3	
	100/4"			
464.37	90			
	100/5"			Borehole continued with rock coring.
-10				
-15				
-20				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

BORING LOGS
STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
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Fax: 217.532.6300
PROFESSIONAL DESIGN No. 184-002754

SHEET NO. 19
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	121
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

ROCK CORE LOG

Page 1 of 1

Date 82604

ROUTE IL 178 Realignment DESCRIPTION New Canal Bridge LOGGED BY Larry Meyers

SECTION _____ LOCATION , SEC. 8, TWP. 33N, RNG. 2, 3rd PM

COUNTY LaSalle CORING METHOD Rotary

STRUCT. NO. 050-7201 CORING BARREL TYPE & SIZE 5' Double tube
Station _____
Core Diameter 2 in
BORING NO. 3 North Abutment Top of Rock Elev. 470.95 ft
Station 178+79.12 Begin Core Elev. 467.95 ft
Offset 8.16ft Rt
Ground Surface Elev. 477.95 ft

DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Light gray and white mix of reworked Dolostone pieces, rounded Quartz Sand grains in carbonate matrix with occasional areas of thin gray shale and argillaceous Limestone	1	73	30		201.9
466.15					131.1
Light gray Sand with carbonate matrix and occasional few reworked pieces of Dolostone					
465.55					
Light gray Sandstone with greenish gray Clay filled fractures and holes					209.0
463.05 –15					
Light gray argillaceous Dolostone or Limeston with interbedded 1-2" thick areas of Quartz Sandstone with carbonate matrix. Thin Clay filled cracks throughout.	2	99	69		
					408.0
					827.4
459.15					
Light gray medium grained Sandstone. Very minor Clay filled fractures, carbonate matrix or cement.					307.1
457.95 –20					369.0
End of Boring	3	98	69		696.7
					971.7
					646.3
–25					
–30					

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

ROCK CORE LOG

Page 1 of 1

Date 9104

ROUTE IL 178 Realignment DESCRIPTION New Canal Bridge LOGGED BY Larry Meyers

SECTION _____ LOCATION , SEC. 8, TWP. 33N, RNG. 2, 3rd PM

COUNTY LaSalle CORING METHOD Rotary

STRUCT. NO. 050-7201 CORING BARREL TYPE & SIZE 5' Double tube
Station _____
Core Diameter 2 in
BORING NO. 4 South Abutment Top of Rock Elev. 467.87 ft
Station 179+73.76 Begin Core Elev. 464.37 ft
Offset 5.80ft Rt
Ground Surface Elev. 472.37 ft

DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Light gray calcareous Sandstone with thin Clay filled partings and 1-2" layers of argillaceous Limestone (predominately medium grained)	1	68	45		742.4
					540.9
–10					
461.57					1123.0
Light gray medium grained calcareous Sandstone with included Dolomite pieces interbedded with layers of fine grained Sandstone and Shale					864.0
459.37					
Light gray calcareous Sandstone with included Dolostone pieces, somewhat vuggy	2	96	51		579.8
458.37					
Light gray argillaceous Limestone with thin Clay partings					
–15					
456.37					
Dark gray chert and recrystallized Quartz with incorporated well rounded quartz sand grains (has oolitic appearance)					1061.1
455.17					
Light gray mix of Sand grains in carbonate matrix interbedded with shale and fine grained Sandstone					687.5
454.37					
Limestone with included pieces of Dolostone and Quartz rounded Sand grains					843.4
Dark gray, vuggy, calcareous Sandstone with thin Clay partings	3	94	67		701.3
453.67					
Medium gray argillaceous Limestone or Dolostone with thin Shale					
452.67					
Dark gray medium and fine grained argillaceous Limestone or Dolostone interbedded with 2-4" layers of calcareous Sandstone or argillaceous Limestone with included rounded Quartz grains					861.7
–20					
449.87					634.8
Dark gray and brown, vuggy, calcareous Sandstone with pieces of Dolostone Lower St. Peter Formation Ancell Group, Ordivician System					
449.37					
End of Boring					
–25					

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)

ROCK CORE LOGS
STRUCTURE NO. 050-0250

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

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Consulting Engineers & Land Surveyors
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Phone: 217.532.9233
Fax: 217.532.6300
PROFESSIONAL DESIGN No. 184-002754

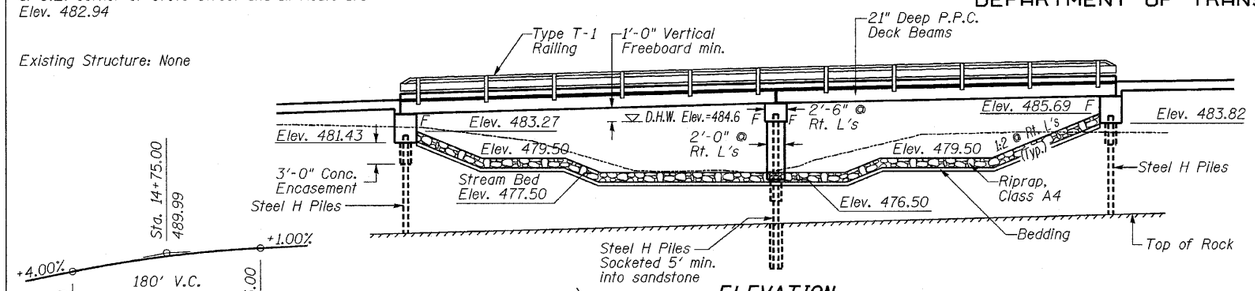
SHEET NO. 20
20 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LASALLE	190	122
		CONTRACT NO.		66547
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

Bench Mark
Chiseled "X" on top of 5/8 bolt on fire hydrant
at S.E. corner of Grove Street and Ill Route 178
Elev. 482.94

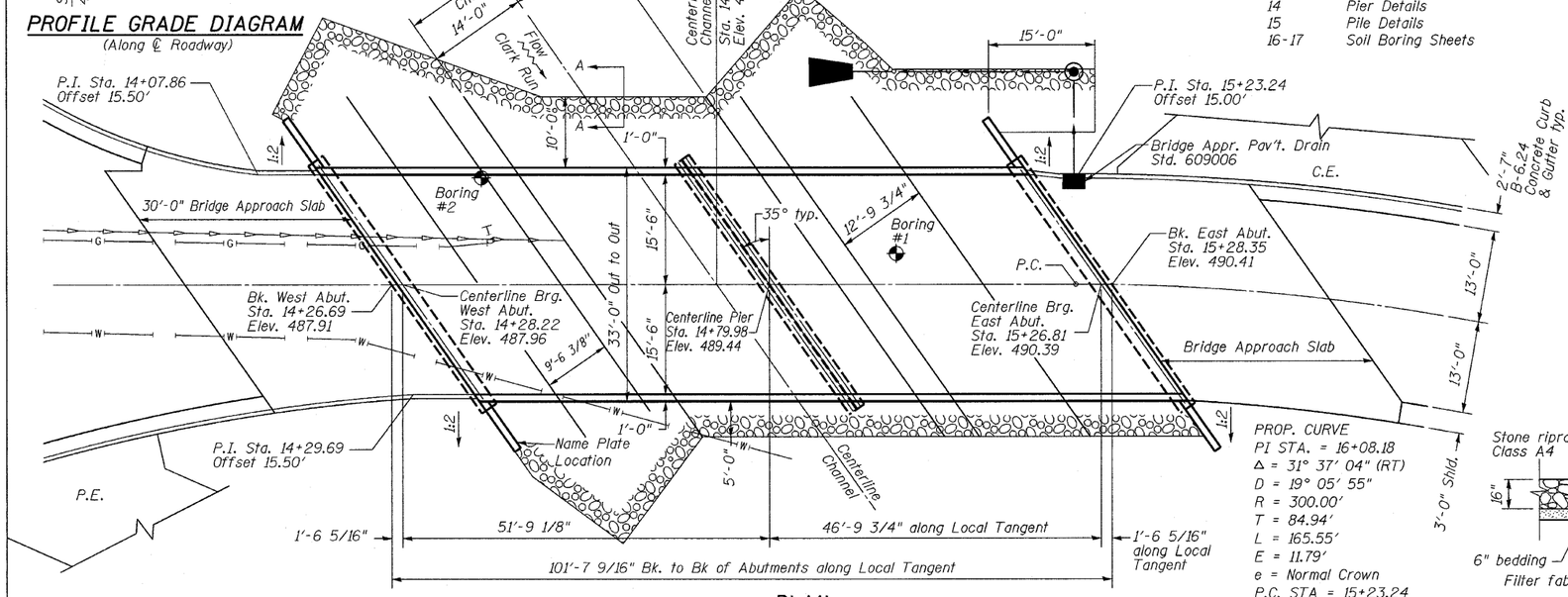
Existing Structure: None

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION

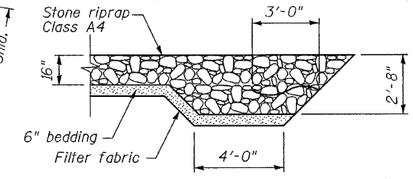
PROFILE GRADE DIAGRAM
(Along ℄ Roadway)



PLAN

PROP. CURVE
PI STA. = 16+08.18
Δ = 31° 37' 04" (RT)
D = 19° 05' 55"
R = 300.00'
T = 84.94'
L = 165.55'
E = 11.79'
e = Normal Crown
P.C. STA = 15+23.24
P.T. STA = 16+88.79

3'-0" Shld.



SEC. A-A

INDEX OF SHEETS

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.
4. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
5. The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
6. If a portion of the pier wall or concrete encasement is under water, reinforcement may be placed under water in to forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.	-	85	85
Stone Riprap, Class A4	Sq. Yd.	-	-	628
Filter Fabric	Sq. Yd.	-	-	628
Structure Excavation	Cu. Yd.	-	42	42
Concrete Structures	Cu. Yd.	-	107.2	107.2
Concrete Superstructure	Cu. Yd.	117.0	-	117.0
Concrete Encasement	Cu. Yd.	-	7.5	7.5
Protective Coat	Sq. Yd.	325	-	325
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	3296	-	3296
Reinforcement Bars, Epoxy Coated	Pound	26500	5850	32350
Steel Railing, Type T1	Foot	200	-	200
Furnishing Steel Piles HP10X42	Foot	-	338	338
Driving Piles	Foot	-	198	198
Test Pile Steel HP10X42	Each	-	2	2
Name Plates	Each	1	-	1
Waterproofing Membrane System	Sq. Yd.	344	-	344
Portland Cement Mortar Fairing Course	Foot	1000	-	1000
Geocomposite Wall Drain	Sq. Yd.	-	56	56
Pipe Underdrains for Structures 4"	Foot	-	135	135
Setting Piles In Rock	Each	-	7	7
Underwater Structure Excavation Protection - Location 1	Each	-	1	1

WATERWAY INFORMATION

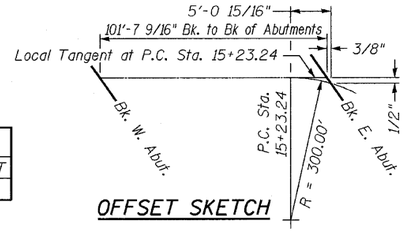
Drainage Area= 9.13 mi.² Low Grade Elev.= 485.58 @ sta. 13+50

Flood	Freq. (Yr.)	Q C.F.S.	Opening ft.² Prop.	Nat. H.W.E.	Head - ft. Prop.	Headwater El. - ft. Prop.
	10	1399	371.3	484.2	0.0	484.2
Design	30	1872	401.3	484.6	0.0	484.6
	50	2149	436.4	485.1	0.0	485.1
Base	100	2471	441.0	485.1	0.0	485.1
Max. Calc.	500	3227	488.4	485.8	0.1	485.9

DESIGNED	JKC
CHECKED	GAE
DRAWN	MV
CHECKED	JKC

DESIGN SCOUR ELEVATION TABLE

DESIGN SCOUR ELEVATION (ft)	W. ABUTMENT	PIER	E. ABUTMENT
	481.44	469.10	483.85



OFFSET SKETCH

LOADING HS20-44

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

DESIGN SPECIFICATIONS

2002 AASHTO

DESIGN STRESSES

PRECAST UNITS

f'c= 6,000 PSI
f'ci= 5,000 PSI
f's= 270,000 PSI (1/2 Dia. Low Lax Strand)
fsi= 201,960 PSI (1/2 Dia. Low Lax Strand)
fy= 65,000 PSI (Welded wire fabric)
fy= 60,000 PSI (Reinf.)

FIELD UNITS

f'c= 3,500 PSI
fy= 60,000 PSI (Reinf.)

SEISMIC DATA

S.P.C. A
A= 0.04g
S= 1.0

09/15/2010
date

LICENSED STRUCTURAL ENGINEER NO. 081-004655 JAMES K. CLINARD STATE OF ILLINOIS
expires 11-30-2010
signature
PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001717

CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

CLARK RUN
BUILT 20__ BY
STATE OF ILLINOIS
SEC. 6R, B
F.A.U. ___ STA. 14+72.54
STR NO. 050-7201 LOADING HS20

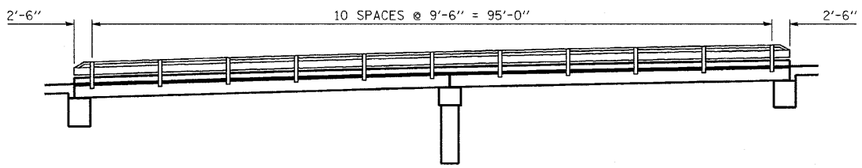
NAME PLATE
See Std. 515001

LOCATION SKETCH

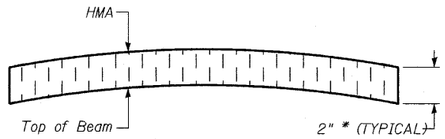
GENERAL PLAN AND ELEVATION
LINCOLN STREET OVER CLARK RUN
F.A.S. 1279 SEC. 6R, B
LASALLE COUNTY
STA. 14+72.54
STRUCTURE NO. 050-7201

SHEET NO. 1	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17 SHEETS	1279	6R, B	LA SALLE	190	123
		SN 050-7201	CONTRACT NO. 66547		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

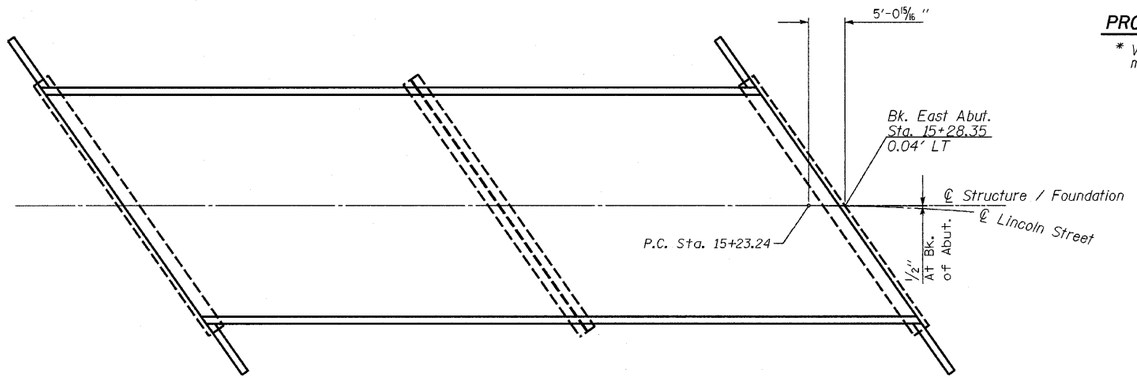


RAIL POST SPACING DETAIL

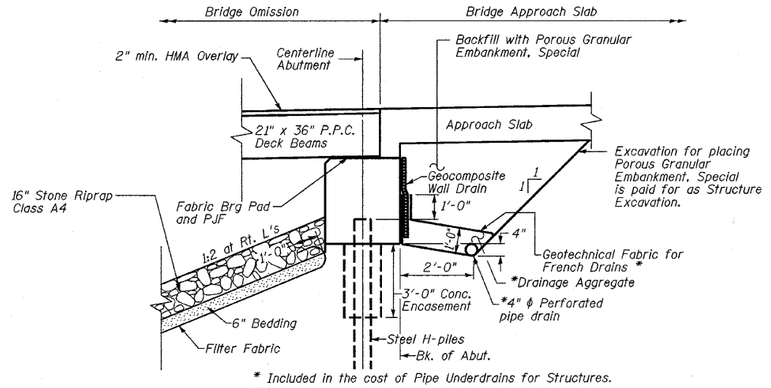


PROFILE OF OVERLAY

* Varies 2" to 2 3/8" over middle beam



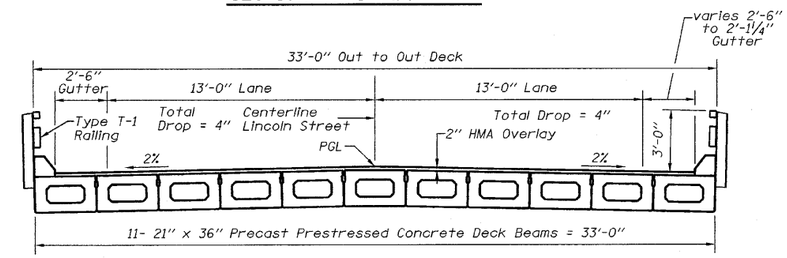
SUBSTRUCTURE LAYOUT DETAIL



* Included in the cost of Pipe Underdrains for Structures.

Note:
All drainage system components shall extend parallel to the abutment back wall until they intersect the wingwalls or 2'-0" from the end of the wingwalls when the wings are parallel to the abutment. The pipe shall extend under the wingwall, if necessary, until intersecting the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

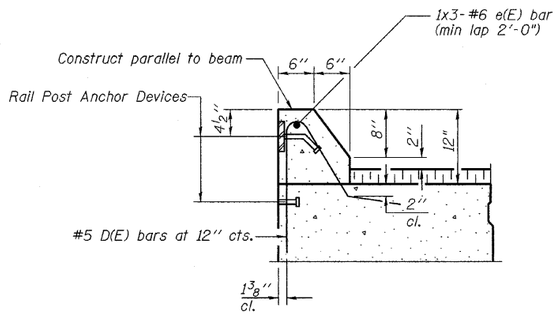
SECTION THRU ABUTMENT



CROSS SECTION

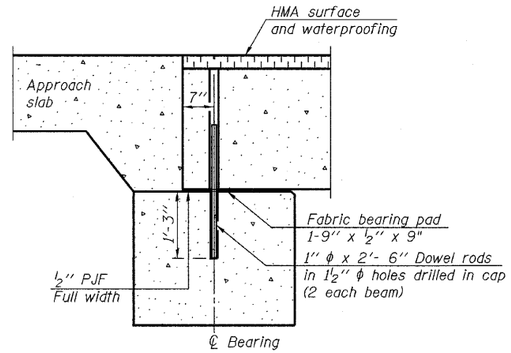
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
e (E)	6	#6	34'-8"	———
Reinforcement Bars, Epoxy Coated			Pound	310
Concrete Superstructure			Cu. Yd.	6.1

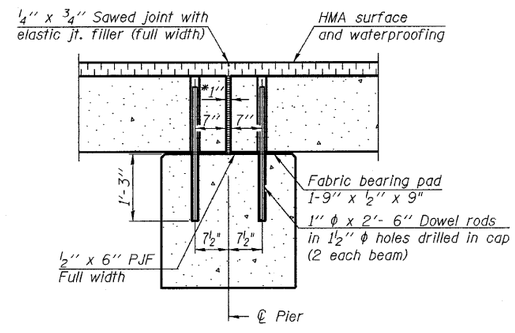


SECTION THRU CURB

Curbs shall be poured in the field.



SECTION THRU ABUTMENT



SECTION THRU FIXED PIER

*1" jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

Notes:
After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hrs. prior to grouting the shear keys.
All horizontal dimensions are at right angles to beam ends.
See sheets 4 & 6 of 17 for bearing pad details.

Dimensions are at Rt L's to centerline Pier and Abutment.

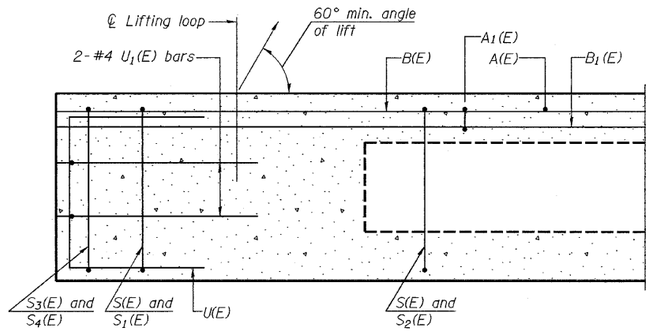
SUBSTRUCTURE LAYOUT AND SUPERSTRUCTURE DETAILS
STRUCTURE NO. 050-7201

DESIGNED	JKC
CHECKED	GAE
DRAWN	NV
CHECKED	JKC

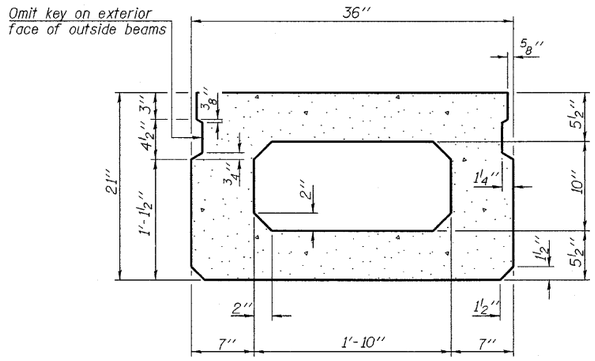
CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

SHEET NO. 2	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17 SHEETS	1279	6R, B	LA SALLE	190	124
		SN 050-7201	CONTRACT NO. 66547		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

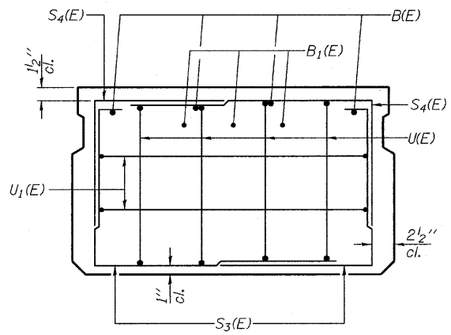
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SECTION C-C

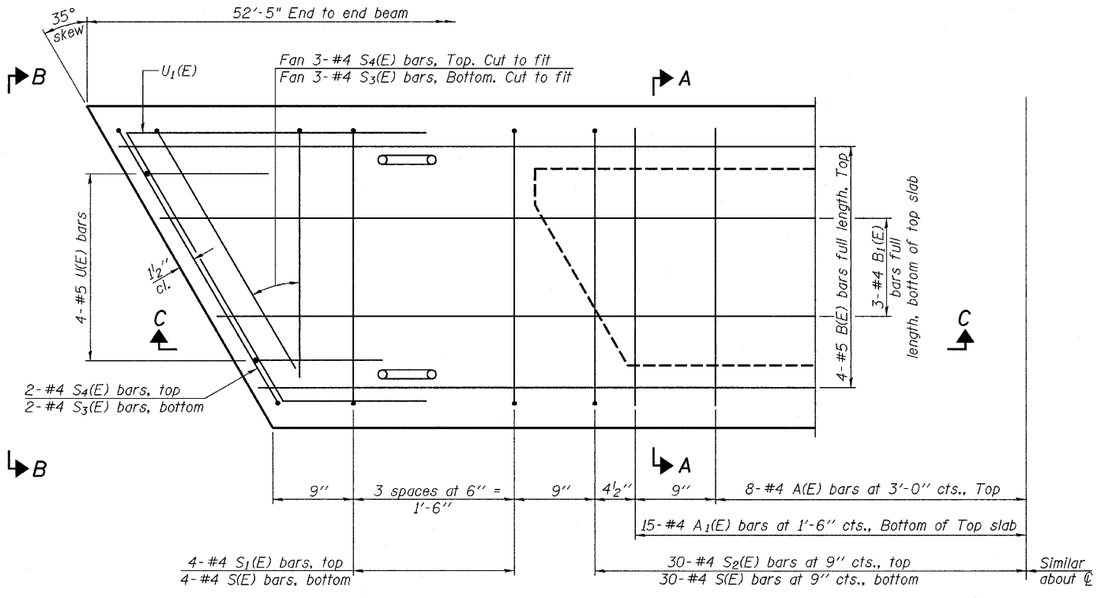


SECTION A-A
(Showing dimensions)



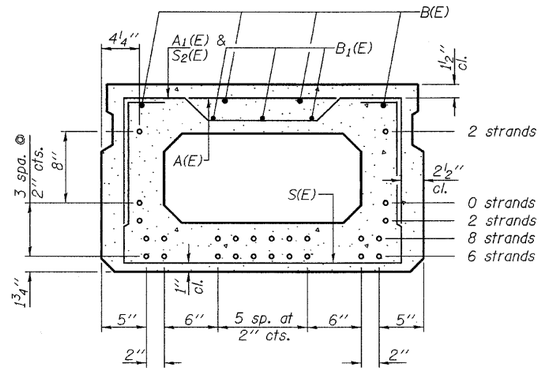
VIEW B-B

Note: Exterior beams shall be cast with D(E) bars for curb. See detail on sheet 2 of 17



PLAN VIEW

Note: Spacing of S(E) and $S_2(E)$ bars may be adjusted up to 4″ in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



SECTION A-A
(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST
ONE BEAM ONLY
(For Information only)

Bar	No.	Size	Length	Shape
A(E)	15	#4	2′-7″	—
$A_1(E)$	30	#4	2′-10″	~
B(E)	8	#5	27′-0″	—
$B_1(E)$	6	#4	26′-9″	—
D(E)*	53	#5	3′-11″	⌐
S(E)	68	#4	6′-5″	⊔
$S_1(E)$	8	#4	4′-11″	⊓
$S_2(E)$	68	#4	5′-2″	⊓
$S_3(E)$	10	#4	5′-0″	⌊⌋
$S_4(E)$	10	#4	4′-3″	⌊⌋
U(E)	8	#5	4′-0″	⊏
$U_1(E)$	4	#4	7′-3″	⌐

Note: See sheet 4 of 17 for additional details and Bill of Material.

* Exterior Beams only

SPAN 1
21″ X 36″ PPC DECK BEAM
STRUCTURE NO. 050-7201

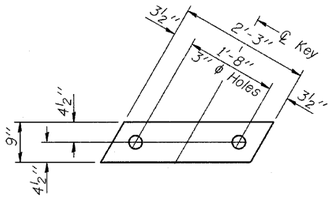
DESIGNED	JKC
CHECKED	GAE
DRAWN	NV
CHECKED	JKC

PD-2136-R 10-1-08

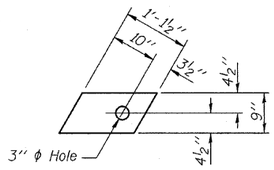
CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

SHEET NO. 3	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17 SHEETS	1279	6R, B	LA SALLE	190	125
	SN 050-7201		CONTRACT NO. 66547		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

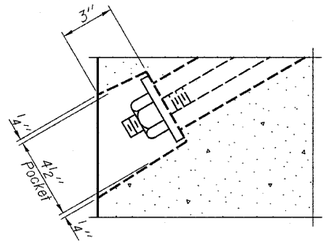


FABRIC BEARING PAD
(Interior)

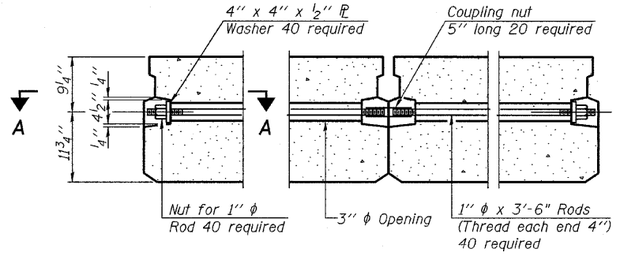


FABRIC BEARING PAD
(Exterior)

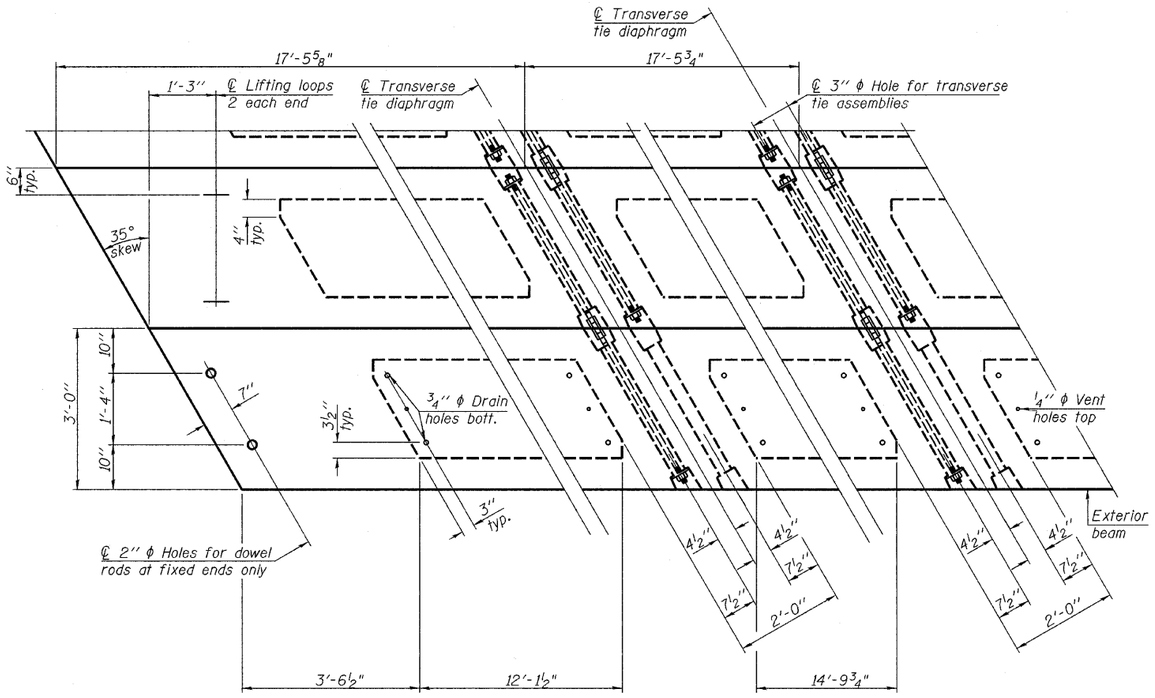
FIXED



SECTION A-A

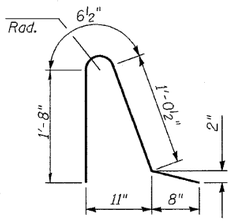


TYPICAL TRANSVERSE TIE ASSEMBLY

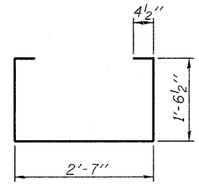


PLAN VIEW

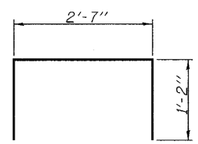
Note: Connect beams in pairs with the transverse tie configuration shown.



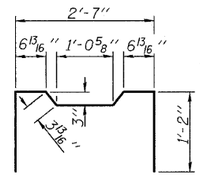
BAR D(E)



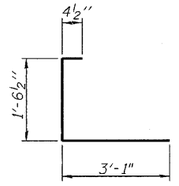
BAR S(E)



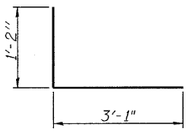
BAR S_1(E)



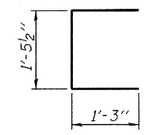
BAR S_2(E)



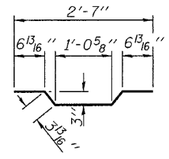
BAR S_3(E)



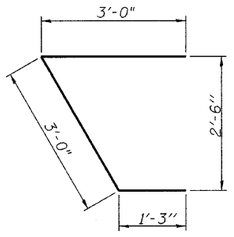
BAR S_4(E)



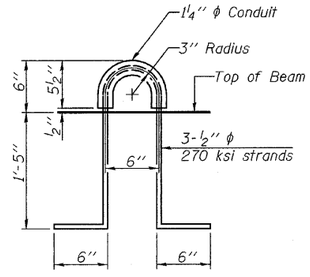
BAR U(E)



BAR A_1(E)



BAR U_1(E)



LIFTING LOOP DETAIL

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	1730

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" ϕ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).

Two ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2½" ϕ lifting pin shall be used to engage the lifting loops during handling.

Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f'c, shall be 6000 psi.

Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

DESIGNED	JKC
CHECKED	GAE
DRAWN	NV
CHECKED	JKC

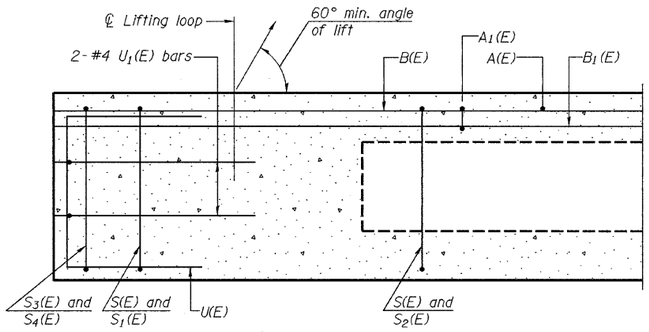
PD-2136-RD 10-1-08

CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

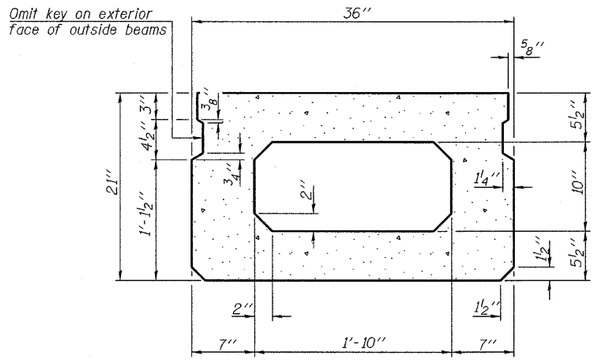
SPAN 1
21" X 36" PPC DECK BEAM DETAILS
STRUCTURE NO. 050-7201

SHEET NO. 4	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17 SHEETS	1279	6R, B	LA SALLE	190	126
	SN 050-7201		CONTRACT NO. 66547		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

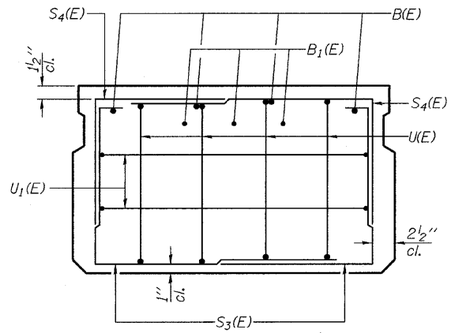
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SECTION C-C

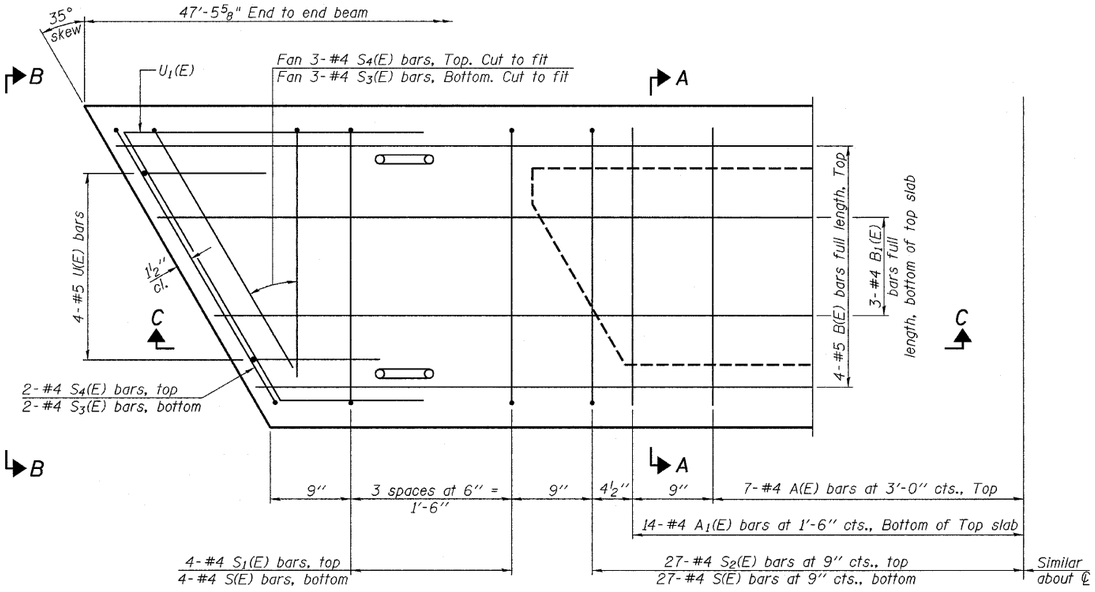


SECTION A-A
(Showing dimensions)



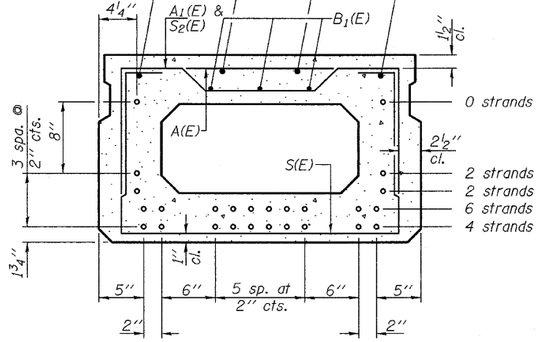
VIEW B-B

Note: Exterior beams shall be cast with D(E) bars for curb. See detail on sheet 2 of 17



PLAN VIEW

Note: Spacing of S(E) and $S_2(E)$ bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



SECTION A-A
(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	14	#4	2'-7"	—
$A_1(E)$	27	#4	2'-10"	~
B(E)	8	#5	24'-6"	—
$B_1(E)$	6	#4	24'-3"	—
D(E)*	48	#5	3'-11"	⌐
S(E)	62	#4	6'-5"	⊔
$S_1(E)$	8	#4	4'-11"	⊓
$S_2(E)$	62	#4	5'-2"	⊓
$S_3(E)$	10	#4	5'-0"	⌐
$S_4(E)$	10	#4	4'-3"	⌐
U(E)	8	#5	4'-0"	⊏
$U_1(E)$	4	#4	7'-3"	⊏

Note: See sheet 6 of 17 for additional details and Bill of Material.

*Exterior Beams only

SPAN 2
21" X 36" PPC DECK BEAM
STRUCTURE NO. 050-7201

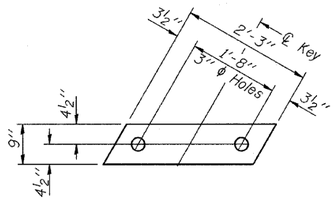
DESIGNED	JKC
CHECKED	GAE
DRAWN	NV
CHECKED	JKC

PD-2136-R 10-1-08

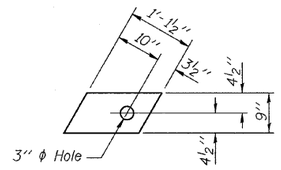
CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

SHEET NO. 5	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17 SHEETS	1279	6R, B	LA SALLE	190	127
		SN 050-7201	CONTRACT NO. 66547		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

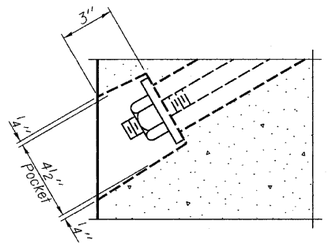


FABRIC BEARING PAD
(Interior)

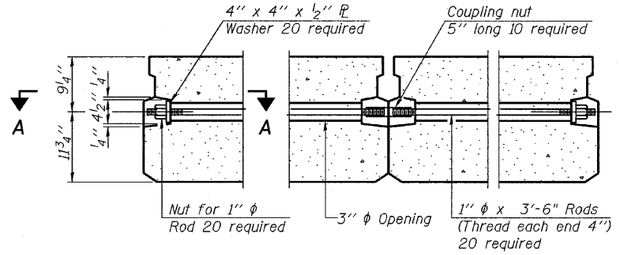


FABRIC BEARING PAD
(Exterior)

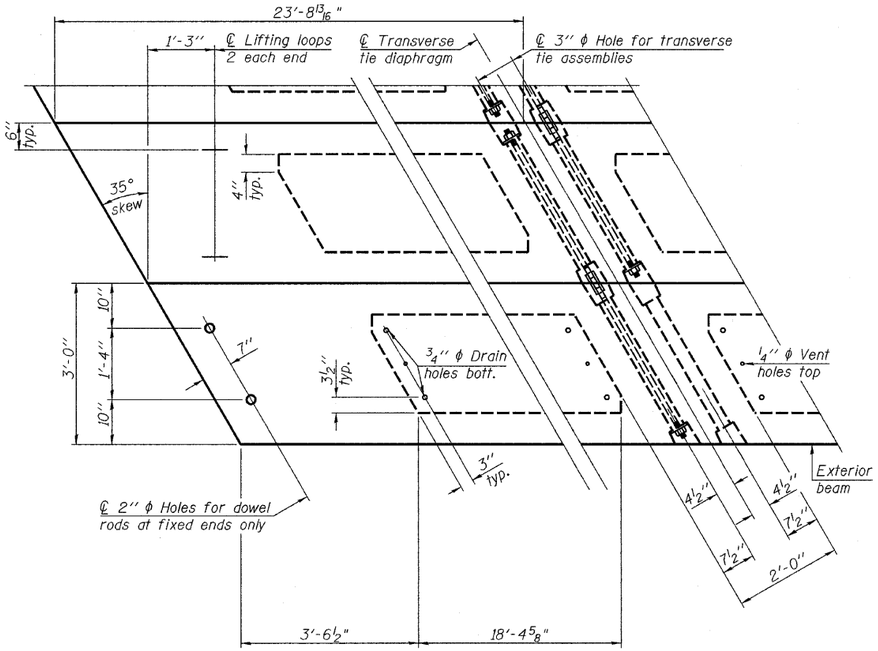
FIXED



SECTION A-A

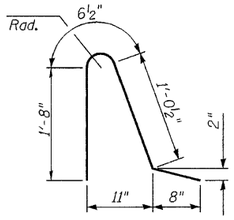


TYPICAL TRANSVERSE TIE ASSEMBLY

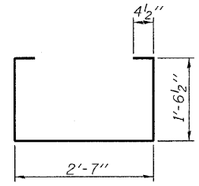


PLAN VIEW

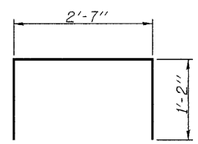
Note: Connect beams in pairs with the transverse tie configuration shown.



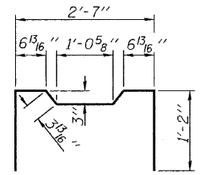
BAR D(E)



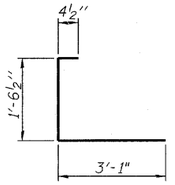
BAR S(E)



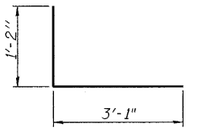
BAR S1(E)



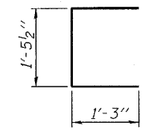
BAR S2(E)



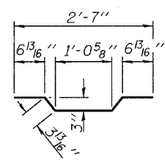
BAR S3(E)



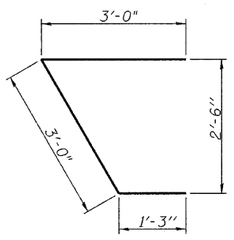
BAR S4(E)



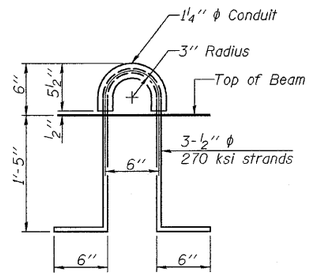
BAR U(E)



BAR A1(E)



BAR U1(E)



LIFTING LOOP DETAIL

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	1566

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" ϕ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).

Two ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2½" ϕ lifting pin shall be used to engage the lifting loops during handling.

Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f'c, shall be 6000 psi.

Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

SPAN 2
21" X 36" PPC DECK BEAM DETAILS
STRUCTURE NO. 050-7201

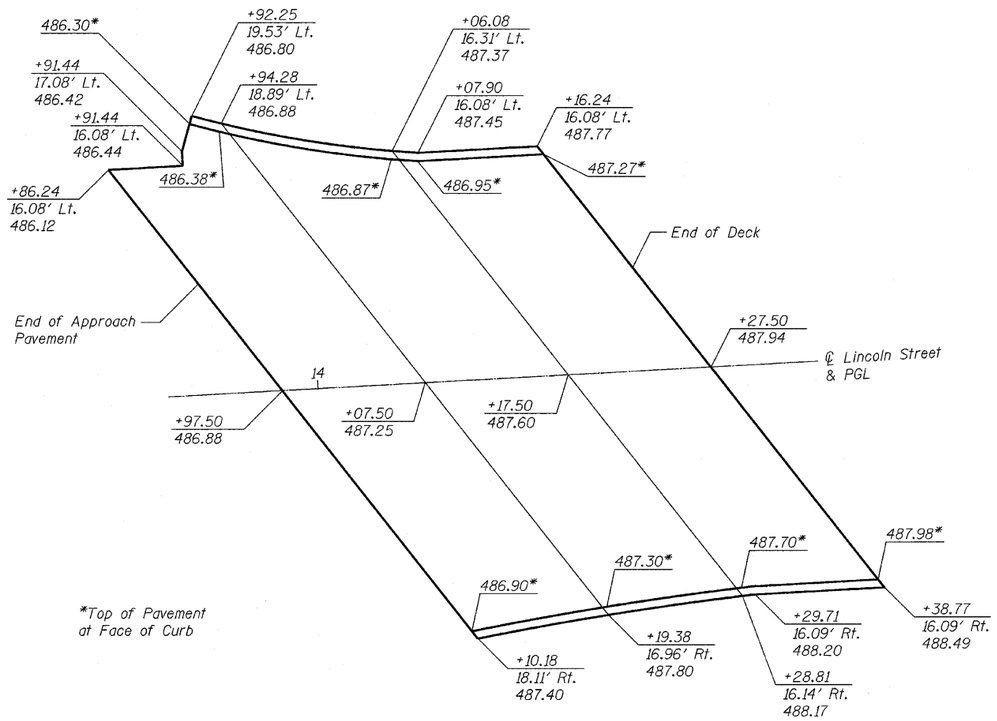
DESIGNED	JKC
CHECKED	GAE
DRAWN	NV
CHECKED	JKC

PD-2136-RD 10-1-08

CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

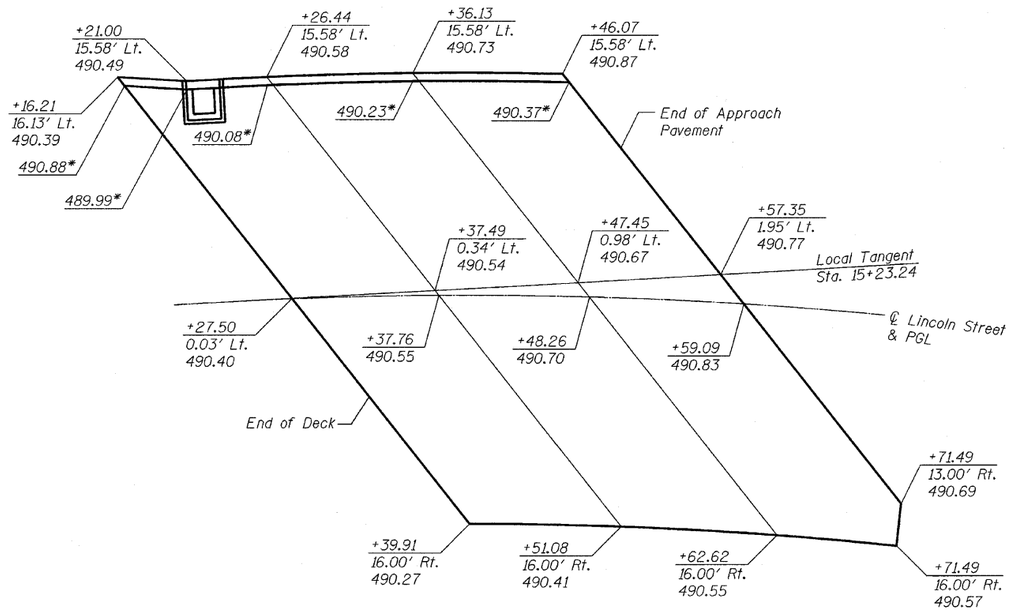
SHEET NO. 6	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17 SHEETS	1279	6R, B	LA SALLE	190	128
	SN 050-7201		CONTRACT NO. 66547		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



WEST APPROACH SLAB

Elevations at Back of Curb
are at Top of 6" Curb



EAST APPROACH SLAB

Elevations at Back of Curb
are at Top of 6" Curb

DESIGNED	--
CHECKED	--
DRAWN	NV
CHECKED	JKC

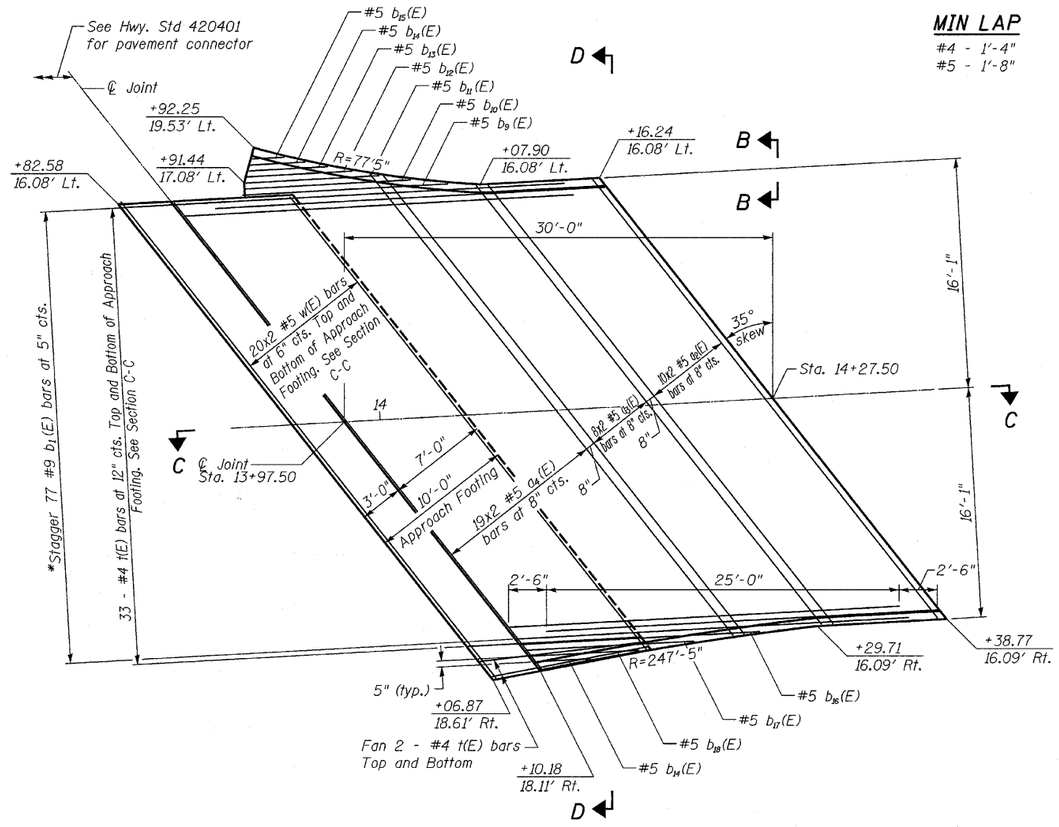
CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 050-7201

SHEET NO. 7
17 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LA SALLE	190	129
	SN 050-7201	CONTRACT NO. 66547		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

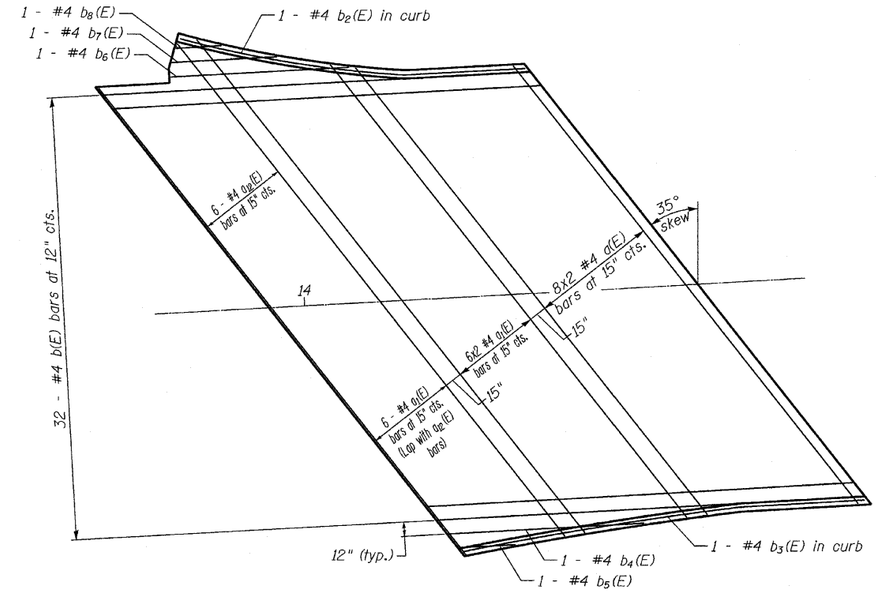
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



MIN LAP
#4 - 1'-4"
#5 - 1'-8"

DEMENSIONAL PLAN AND BOTTOM OF SLAB REINFORCEMENT

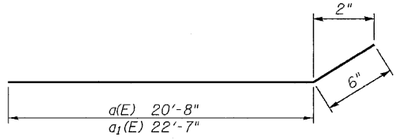
* Tilt #9 $b_1(E)$ bars as required to maintain clearance



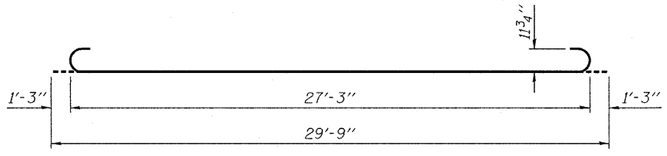
TOP OF SLAB REINFORCEMENT

BILL OF MATERIAL

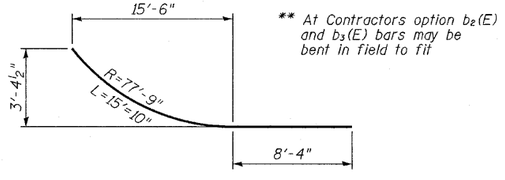
Bar	No.	Size	Length	Shape
a(E)	16	#4	21'-4"	
$a_1(E)$	18	#4	23'-1"	
$a_2(E)$	20	#5	20'-4"	
$a_3(E)$	16	#5	22'-0"	
$a_4(E)$	38	#5	23'-10"	
$a_{12}(E)$	6	#4	22'-7"	
b(E)	32	#4	29'-8"	
$b_1(E)$	77	#9	29'-9"	
$b_2(E)$	1	#4	24'-2"	
$b_3(E)$	1	#4	28'-2"	
$b_4(E)$	1	#4	13'-6"	
$b_5(E)$	1	#4	3'-9"	
$b_6(E)$	1	#4	12'-5"	
$b_7(E)$	1	#4	7'-3"	
$b_8(E)$	1	#4	3'-0"	
$b_9(E)$	1	#5	14'-3"	
$b_{10}(E)$	1	#5	11'-6"	
$b_{11}(E)$	1	#5	9'-3"	
$b_{12}(E)$	1	#5	7'-3"	
$b_{13}(E)$	1	#5	5'-5"	
$b_{14}(E)$	2	#5	3'-9"	
$b_{15}(E)$	1	#5	2'-2"	
$b_{16}(E)$	1	#5	16'-7"	
$b_{17}(E)$	1	#5	11'-8"	
$b_{18}(E)$	1	#5	7'-6"	
t(E)	70	#4	12'-0"	
w(E)	80	#5	21'-10"	
Concrete Superstructure			Cu. Yd.	60.4
Concrete Structures			Cu. Yd.	12.8
Reinforcement Bars, Epoxy Coated			Pound	13300



BARS a(E) & $a_1(E)$

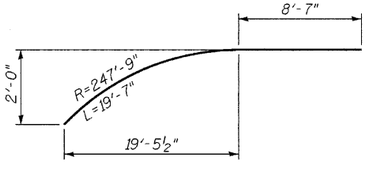


BAR $b_1(E)$



** At Contractors option $b_2(E)$ and $b_3(E)$ bars may be bent in field to fit

BAR $b_2(E)$ **



BAR $b_3(E)$ **

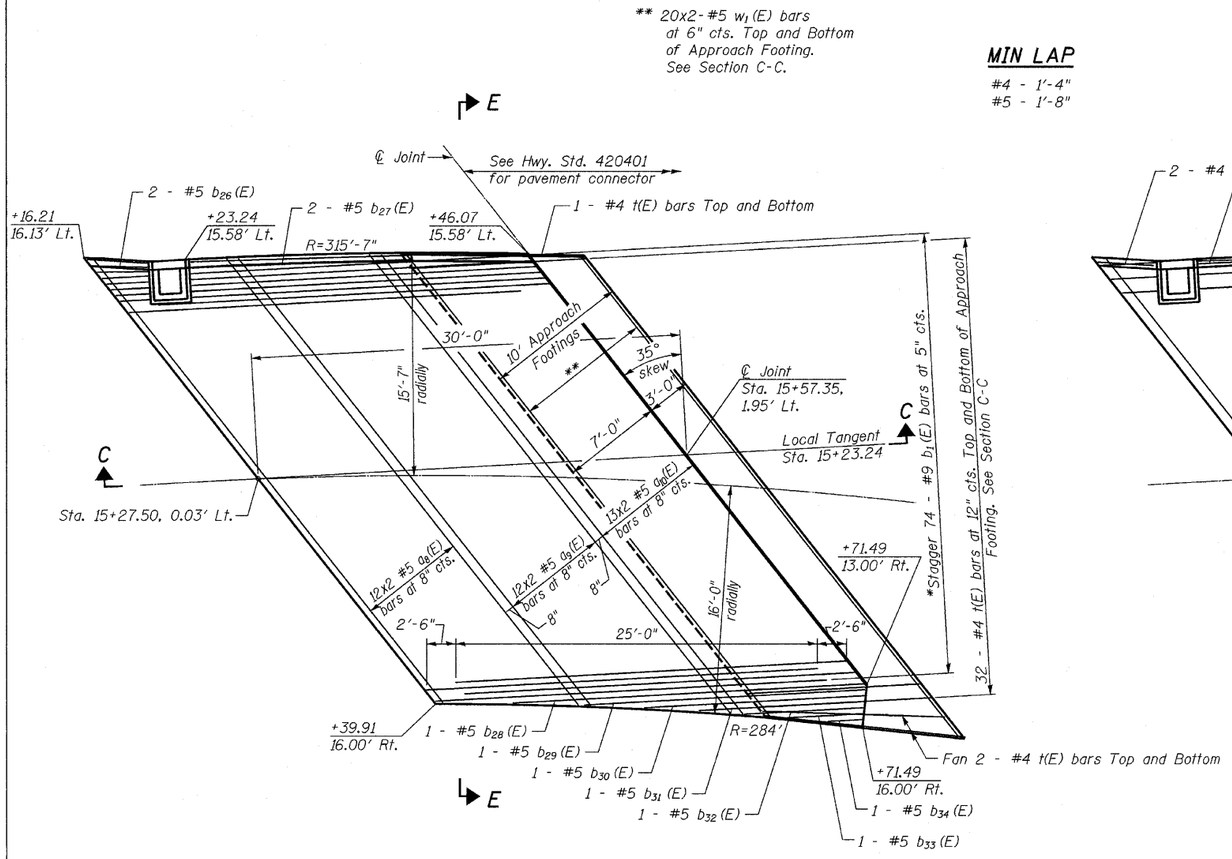
DESIGNED	JKC
CHECKED	GAE
DRAWN	NV
CHECKED	JKC

CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

WEST APPROACH SLAB DETAILS
STRUCTURE NO. 050-7201

SHEET NO. 8	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17 SHEETS	1279	6R, B	LA SALLE	190	130
		SN 050-7201	CONTRACT NO. 66547		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

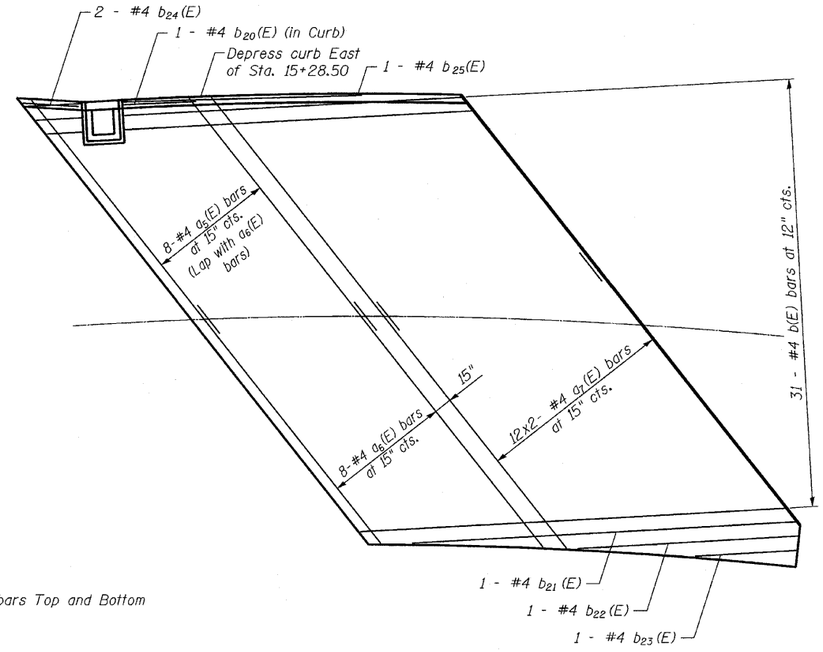


DIMENSIONAL PLAN AND BOTTOM OF SLAB REINFORCEMENT

*Tilt #9 b_1(E) bars as required to maintain clearance

MIN LAP

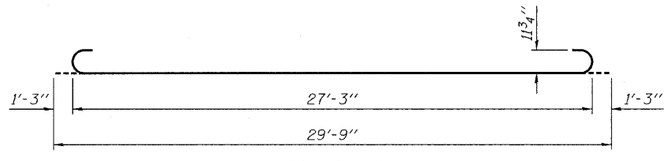
#4 - 1'-4"
#5 - 1'-8"



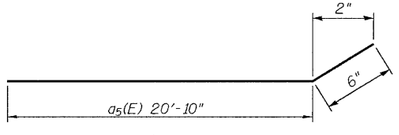
TOP OF SLAB REINFORCEMENT

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a_5(E)	8	#4	21'-4"	
a_6(E)	8	#4	20'-8"	
a_7(E)	24	#4	21'-6"	
a_8(E)	24	#5	20'-4"	
a_9(E)	24	#5	21'-2"	
a_{10}(E)	26	#5	21'-8"	
b(E)	31	#4	29'-8"	
b_1(E)	74	#9	29'-9"	
b_{19}(E)	1	#4	4'-0"	
b_{20}(E)	1	#4	5'-0"	
b_{21}(E)	1	#4	26'-9"	
b_{22}(E)	1	#4	15'-4"	
b_{23}(E)	1	#4	7'-0"	
b_{24}(E)	1	#4	3'-10"	
b_{25}(E)	1	#4	16'-8"	
b_{26}(E)	2	#5	3'-10"	
b_{27}(E)	2	#5	15'-5"	
b_{28}(E)	1	#5	24'-7"	
b_{29}(E)	1	#5	19'-7"	
b_{30}(E)	1	#5	15'-4"	
b_{31}(E)	1	#5	11'-7"	
b_{32}(E)	1	#5	8'-3"	
b_{33}(E)	1	#5	5'-2"	
b_{34}(E)	1	#5	2'-3"	
t(E)	70	#4	12'-0"	
w_1(E)	80	#5	22'-2"	
Concrete Superstructure		Cu. Yd.	50.5	
Concrete Structures		Cu. Yd.	13.0	
Reinforcement Bars, Epoxy Coated		Pound	12890	



BAR b_1(E)



BAR a_5(E)

DESIGNED	JKC
CHECKED	GAE
DRAWN	MV
CHECKED	JKC

CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

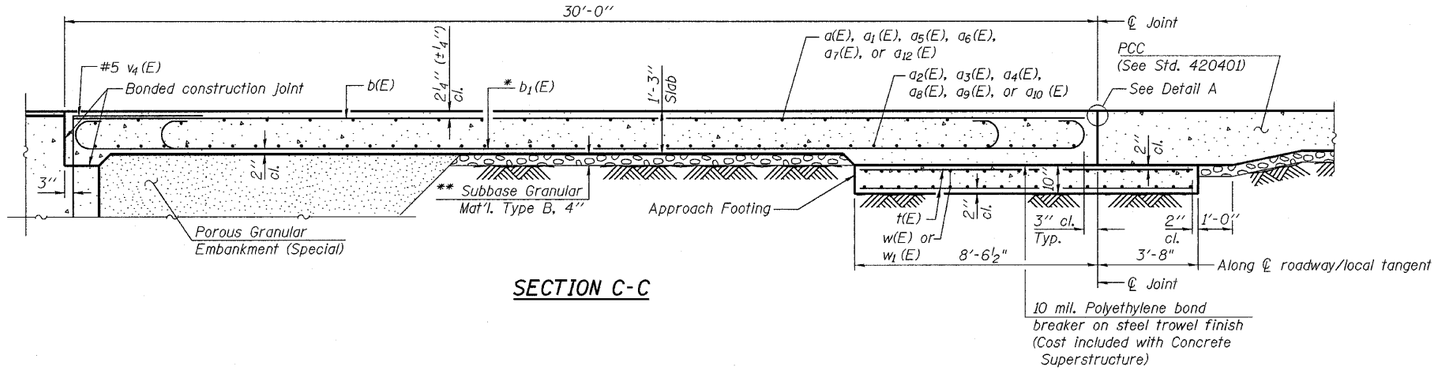
EAST APPROACH SLAB DETAILS
STRUCTURE NO. 050-7201

SHEET NO. 9	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17 SHEETS	1279	6R, B	LA SALLE	190	131
		SN 050-7201	CONTRACT NO. 66547		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* Tilt #9 $b_1(E)$ bars as required to maintain clearance

** Cost included with Concrete Superstructure

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

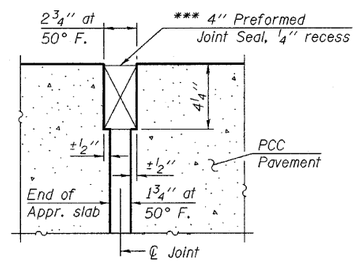


SECTION C-C

Notes:

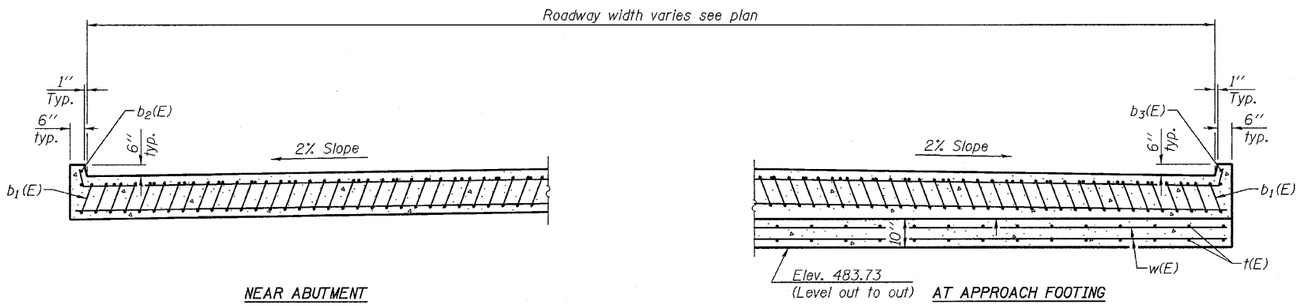
Approach slab shall be paid for as Concrete Superstructure.
Approach footing concrete shall be paid for as Concrete Structures.
Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
Cost of excavation for approach footing included with Concrete Structures.
For Porous Granular Embankment, Special and drainage treatment details, see sheet 1 of 17.

*** Cost included with Concrete Superstructure.



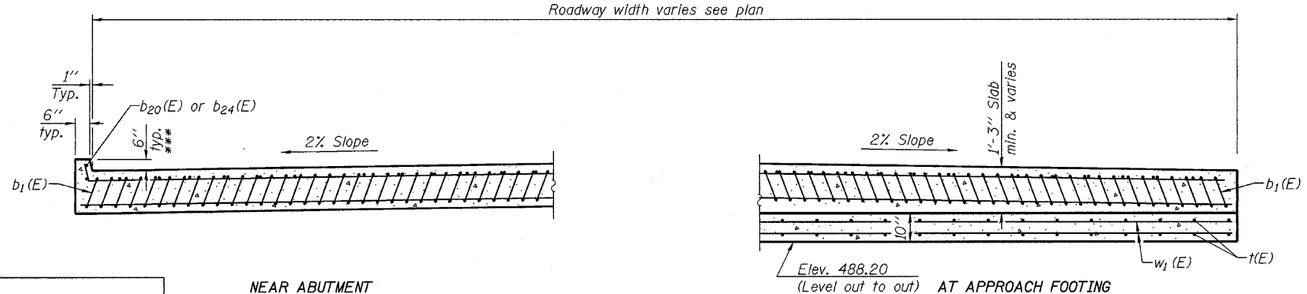
RIGID PAVEMENT

DETAIL A



SECTION D-D (WEST APPROACH)

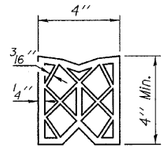
(See Plan for dimensions not shown)



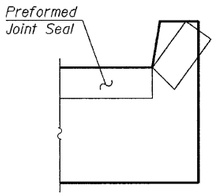
SECTION E-E (EAST APPROACH)

(See Plan for dimensions not shown)

*** No curb at South edge of pavement Depressed curb at driveway. See Roadway plans.



PREFORMED JOINT SEAL



VIEW B-B

Angle Preformed Joint Seal at 45° at curbs when req'd for drainage.

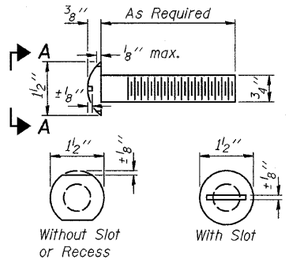
DESIGNED	JKC
CHECKED	GAE
DRAWN	MV
CHECKED	JKC

CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

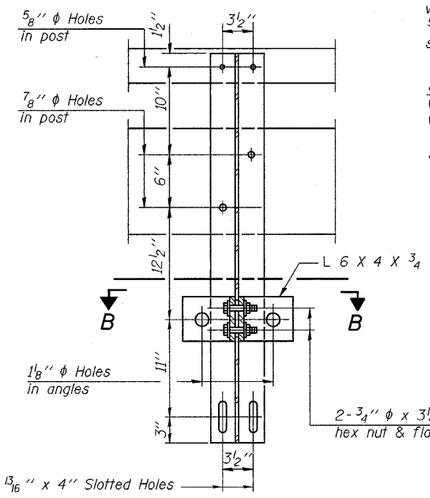
BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 050-7201

SHEET NO. 10	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17 SHEETS	1279	6R, B	LA SALLE	190	132
	SN 050-7201		CONTRACT NO. 66547		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

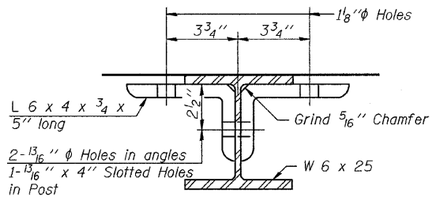
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



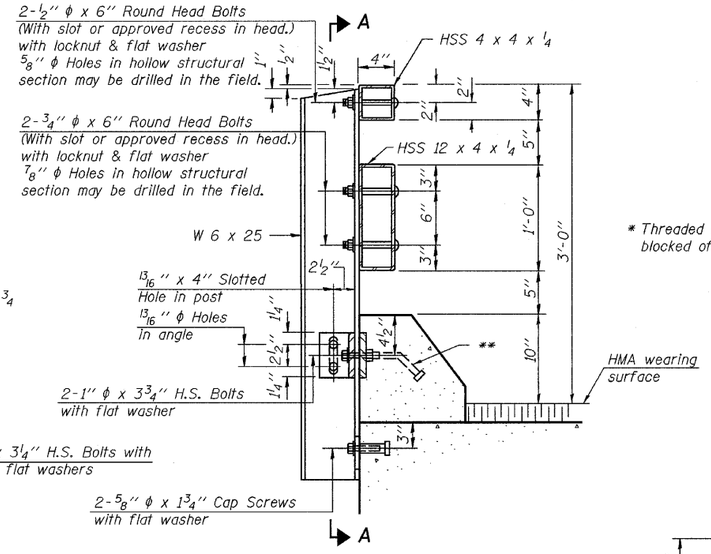
VIEW A-A ROUND HEAD BOLT



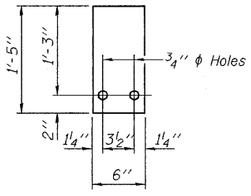
SECTION A-A



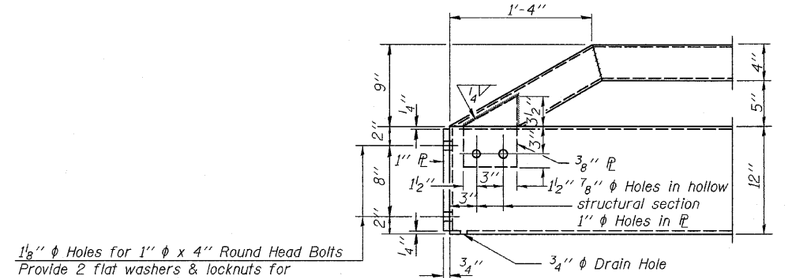
SECTION B-B



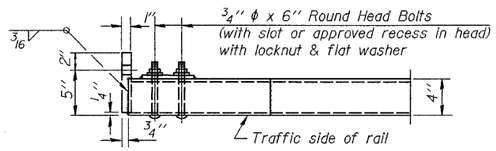
SECTION AT RAIL POST



1/4" SHIM PLATE



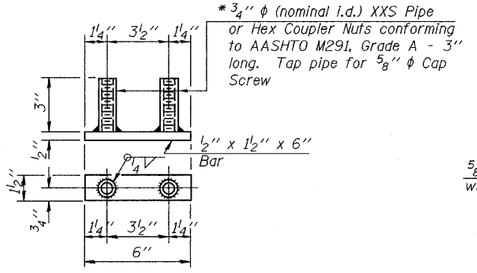
1 1/8" ϕ Holes for 1" ϕ x 4" Round Head Bolts
Provide 2 flat washers & locknuts for guard rail connection shown on Std. 631026.



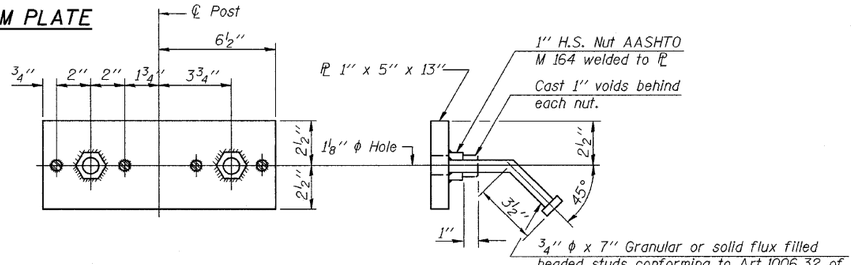
END OF RAIL DETAILS

Notes:
All field drilled holes shall be coated with an approved zinc rich paint before erection.
For multi-span bridges, sufficient 1/4" x 6" x 1'-5" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type T-1.
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.

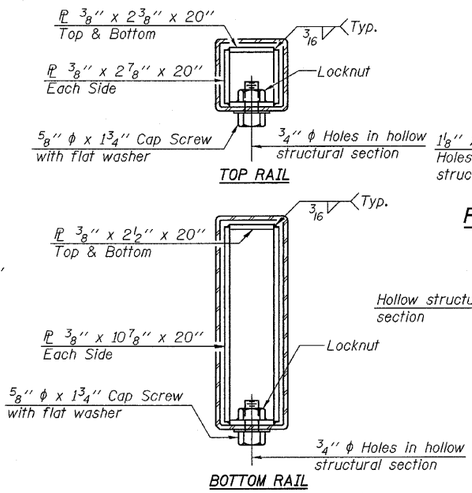
* Threaded areas shall be plugged or blocked off during casting of beam.



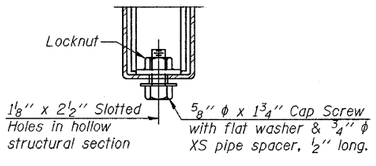
BOTTOM ANCHOR DEVICE



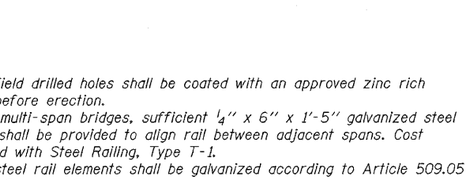
TOP ANCHOR DEVICE



SECTIONS AT RAIL SPLICE



RAIL SPLICE CONNECTION AT EXPANSION JT.



PLAN-BOTT. SPLICE PL TYPICAL

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type T-1	Foot	200

STEEL RAILING, TYPE T-1
STRUCTURE NO. 050-7201

DESIGNED	JKC
CHECKED	GAE
DRAWN	NV
CHECKED	JKC

R-24A 10-1-08 (9'-6" Maximum Post Spacing)

CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

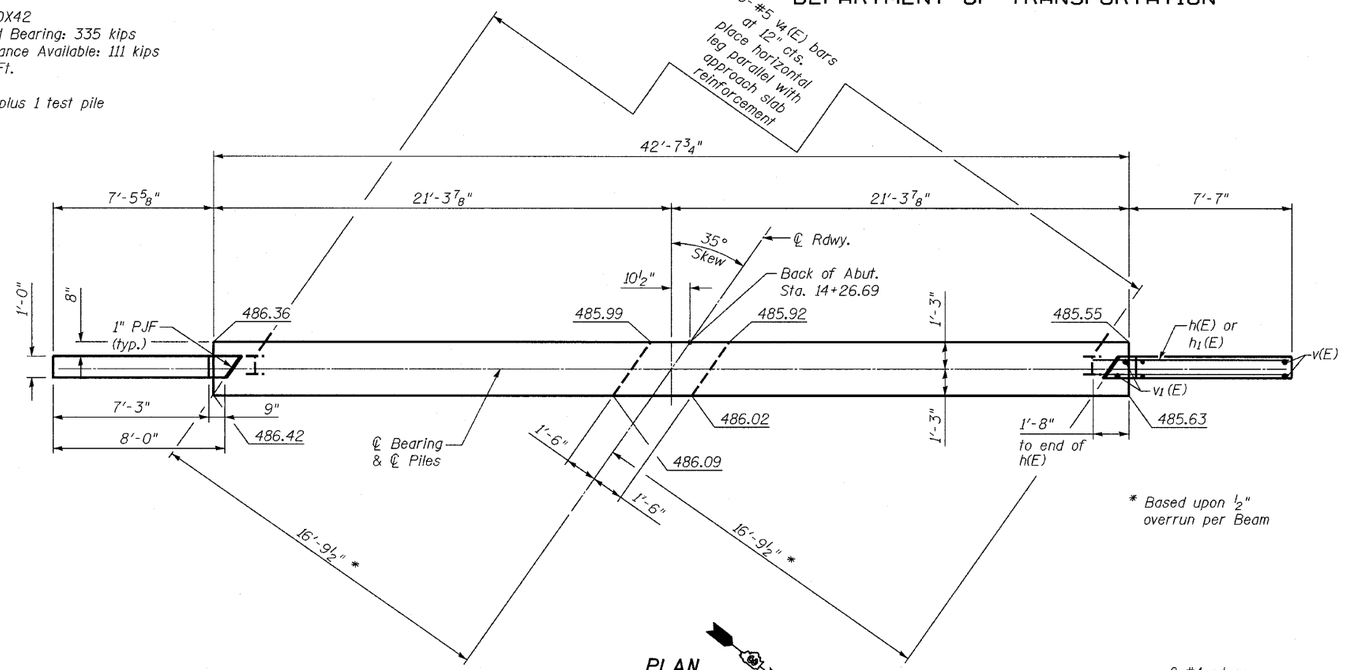
SHEET NO. 11	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17 SHEETS	1279	6R, B	LA SALLE	190	133
		SN 050-7201	CONTRACT NO. 66547		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PILE DATA

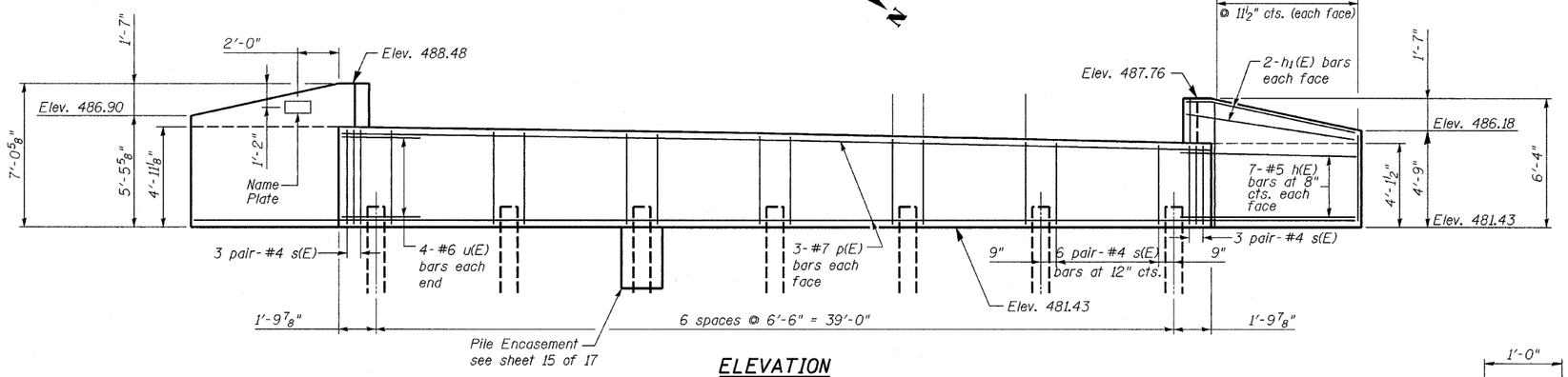
Type: Steel HP10X42
Nominal Required Bearing: 335 kips
Allowable Resistance Available: 111 kips
Est. length: 16 Ft.

No. required: 6 plus 1 test pile

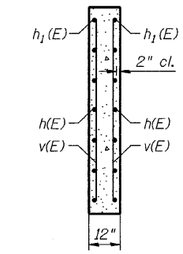


* Based upon 1/2" overrun per Beam

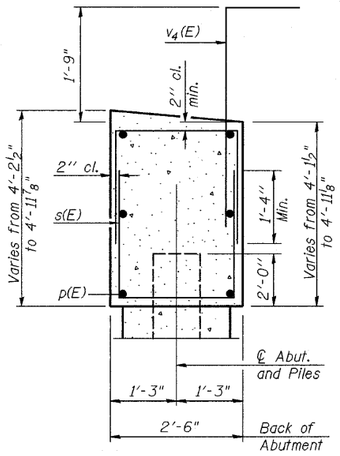
PLAN



ELEVATION



SEC. THRU WINGWALL

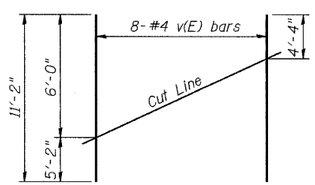


SEC. THRU ABUT.

BILL OF MATERIAL

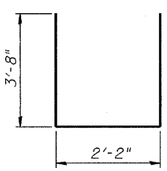
Bar	No.	Size	Length	Shape
h(E)	24	#5	9'-1"	———
h1(E)	8	#5	8'-0"	———
p(E)	6	#7	42'-4"	———
s(E)	84	#4	9'-6"	⊔
u(E)	8	#6	11'-1"	⊐
v(E)	16	#4	11'-2"	———
v1(E)	4	#4	6'-0"	———
v4(E)	33	#5	4'-6"	⌊
Structure Excavation		Cu. Yd.	29	
Concrete Structures		Cu. Yd.	21.5	
Reinforcement Bars, Epoxy Coated		Pound	1770	
Furnishing Steel Piles HP10X42		Foot	96	
Driving Piles		Foot	96	
Test Pile, Steel HP10X42		Each	1	
Concrete Encasement		Cu. Yd.	2.5	

For details of piles and Concrete Encasement, see sheet 15 of 17.

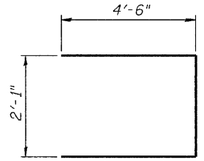


FIELD CUTTING DIAGRAM

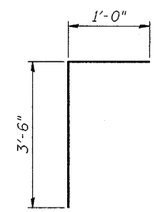
Order v(E) full length. Cut as shown and use remainder of bars in opposite wingwall.



BAR s(E)



BAR u(E)



BAR v4(E)

WEST ABUTMENT DETAIL
STRUCTURE NO. 050-7201

DESIGNED	JKC
CHECKED	GAE
DRAWN	NV
CHECKED	JKC

CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

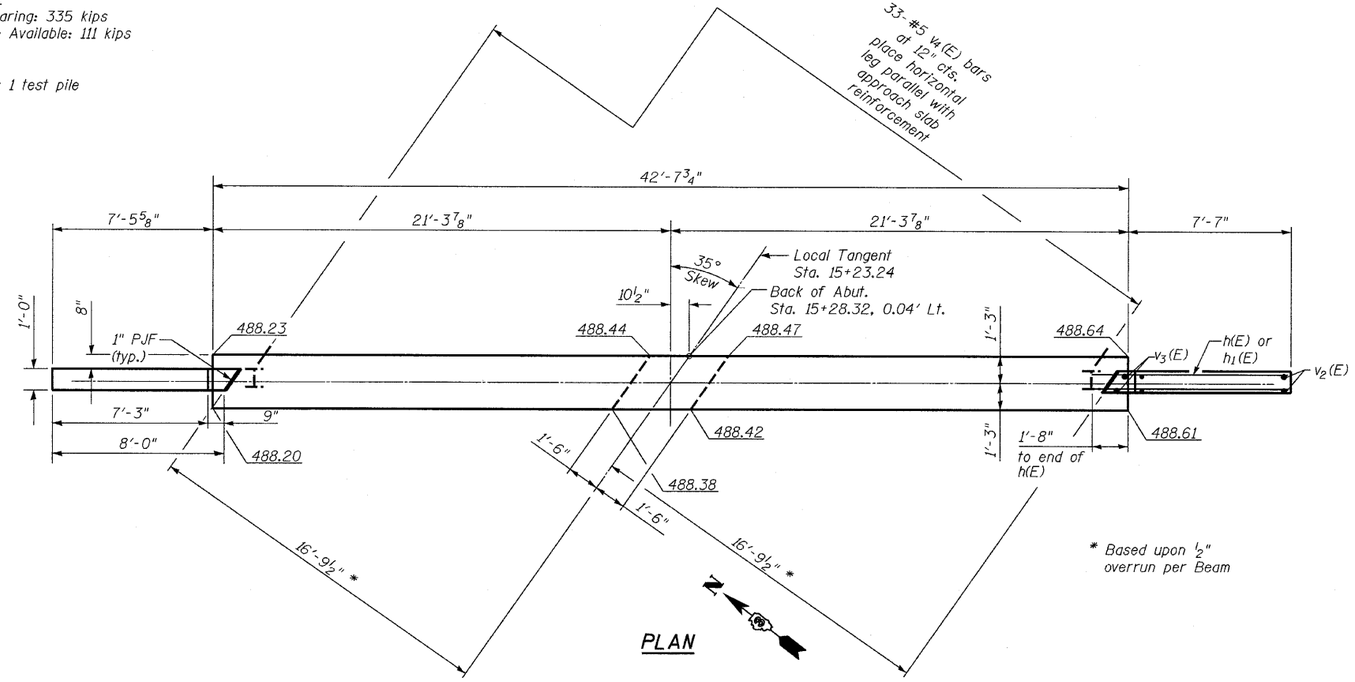
SHEET NO. 12	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17 SHEETS	1279	6R, B	LA SALLE	190	134
		SN 050-7201	CONTRACT NO. 66547		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PILE DATA

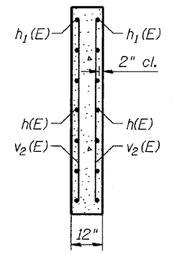
Type: Steel HP10X42
Nominal Required Bearing: 335 kips
Allowable Resistance Available: 111 kips
Est. length: 17 Ft.

No. Required: 6 plus 1 test pile

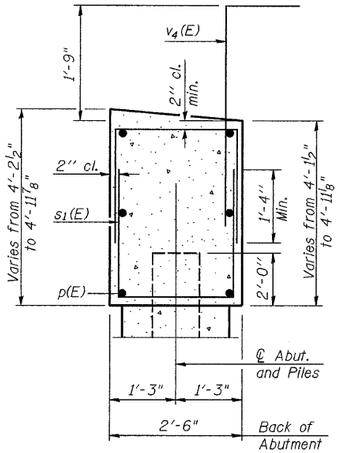


* Based upon 1/2" overrun per Beam

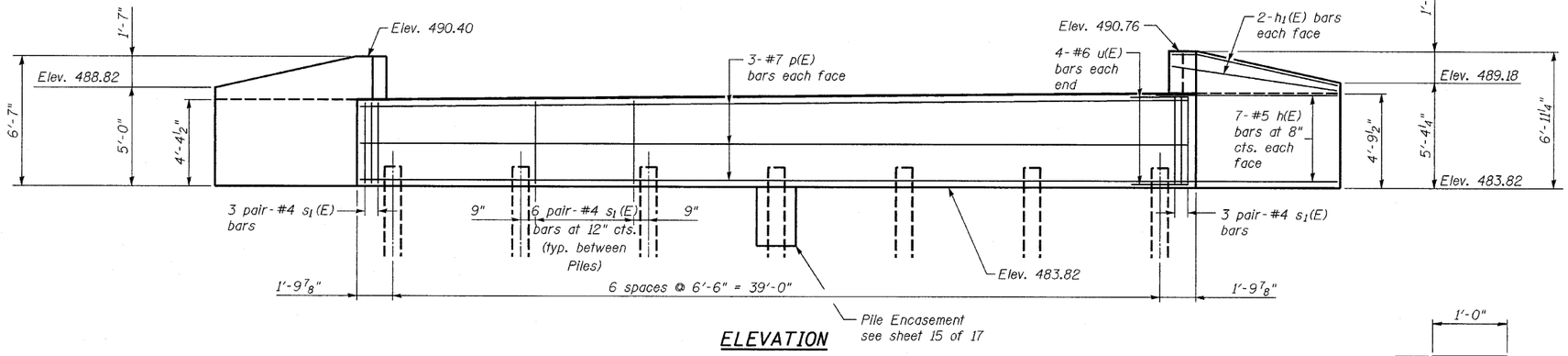
PLAN



SEC. THRU WINGWALL



SEC. THRU ABUT.

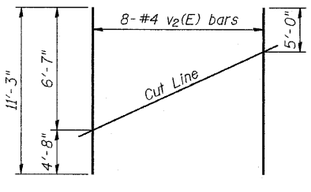


ELEVATION

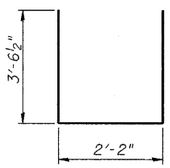
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	24	#5	9'-1"	———
$h_1(E)$	8	#5	8'-0"	———
p(E)	6	#7	42'-4"	———
$s_1(E)$	84	#4	9'-3"	⊔
u(E)	8	#6	11'-1"	⊐
$v_2(E)$	16	#4	11'-3"	———
$v_3(E)$	4	#4	6'-4"	———
$v_4(E)$	33	#5	4'-6"	⌊
Concrete Structures		Cu. Yd.	21.7	
Reinforcement Bars, Epoxy Coated		Pound	1760	
Furnishing Steel Piles HP10X42		Foot	102	
Driving Piles		Foot	102	
Test Pile, Steel HP10X42		Each	1	
Concrete Encasement		Cu. Yd.	2.5	

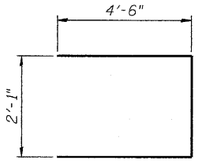
For details of piles and Concrete Encasement, see sheet 15 of 17.



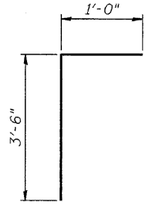
FIELD CUTTING DIAGRAM
Order $v_2(E)$ full length. Cut as shown and use remainder of bars in opposite wingwall.



BAR $s_1(E)$



BAR u(E)



BAR $v_4(E)$

DESIGNED	JKC
CHECKED	GAE
DRAWN	NV
CHECKED	JKC

CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

EAST ABUTMENT DETAIL
STRUCTURE NO. 050-7201

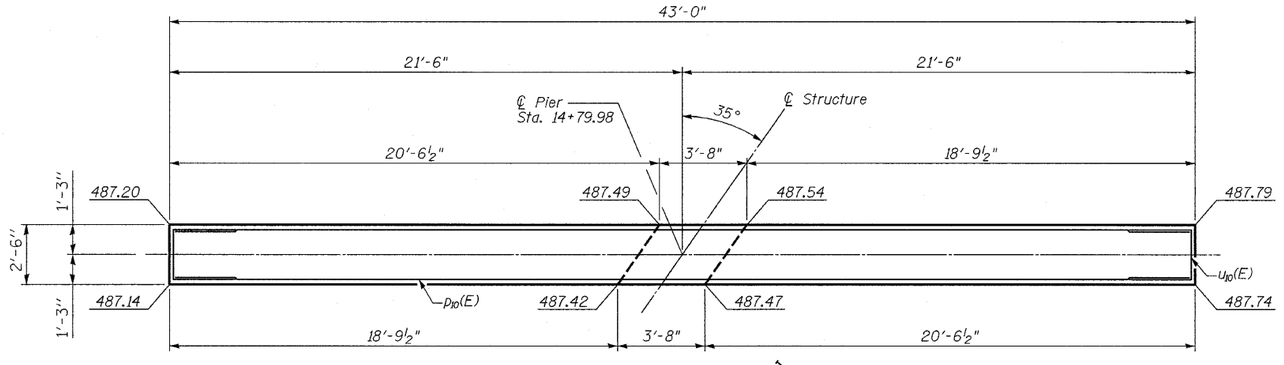
SHEET NO. 13	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17 SHEETS	1279	6R, B	LA SALLE	190	135
		SN 050-7201	CONTRACT NO. 66547		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

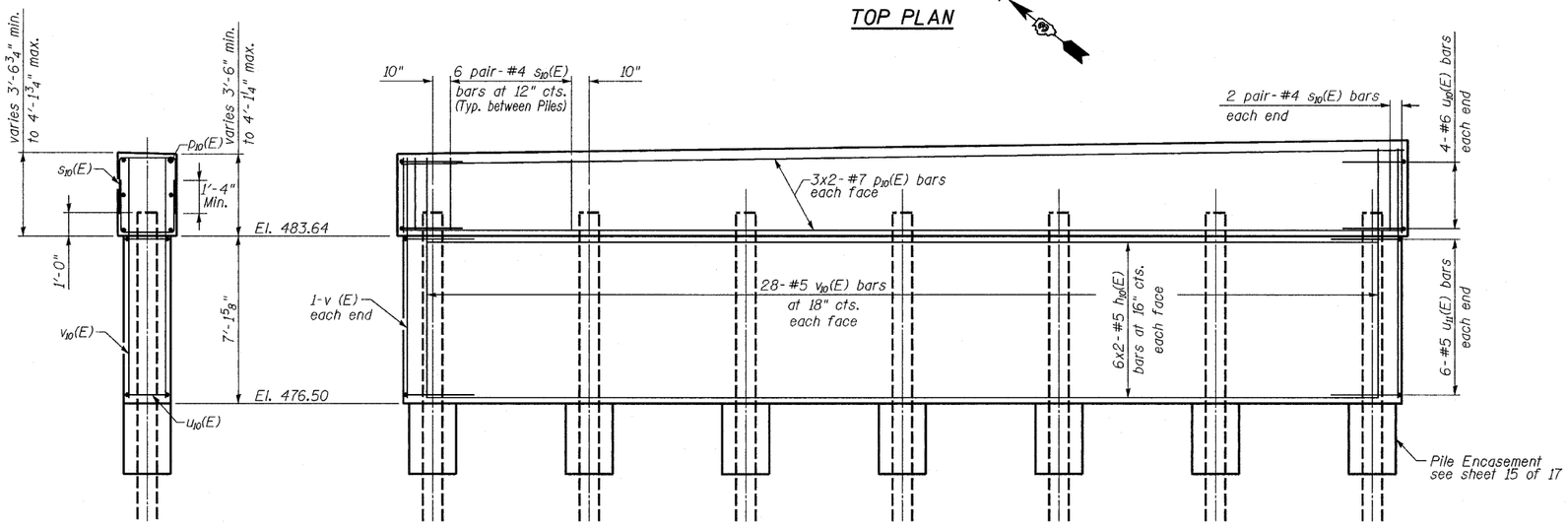
PILE DATA

Type: Steel HP10X42
Nominal Required Bearing: 335 kips
Allowable Resistance Available: 111 kips
Est. length: 20 Ft.
(Piles shall be socketed 5' min. into sandstone see special provisions)

No. Required: 7

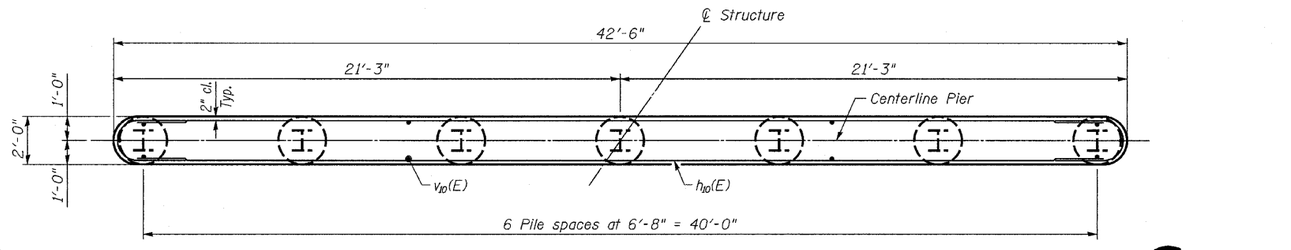


TOP PLAN

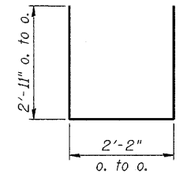


END VIEW

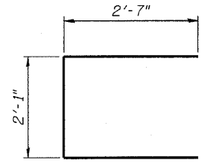
ELEVATION (LOOKING EAST)



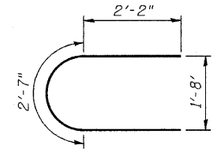
SECTION



BAR $s_{10}(E)$



BAR $u_{10}(E)$



BAR $u_{11}(E)$

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$h_{10}(E)$	24	#5	21'-1"	——
$p_{10}(E)$	12	#7	23'-0"	——
$s_{10}(E)$	80	#4	8'-0"	⊔
$u_{10}(E)$	8	#6	7'-3"	⊐
$u_{11}(E)$	12	#5	6'-11"	⊃
$v_{10}(E)$	58	#5	10'-4"	——
Structure Excavation		Cu. Yd.	13	
Concrete Structures		Cu. Yd.	38.2	
Reinforcement Bars, Epoxy Coated		Pound	2320	
Furnishing Steel Piles HP10X42		Foot	140	
Underwater Structure Excavation Protection - Location 1		Each	1	
Concrete Encasement		Cu. Yd.	2.5	
Setting Piles in Rock		Each	7	

For details of piles and Concrete Encasement, see sheet 15 of 17.

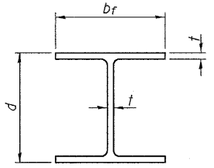
DESIGNED	JKC
CHECKED	GAE
DRAWN	NV
CHECKED	JKC

CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

PIER DETAIL
STRUCTURE NO. 050-7201

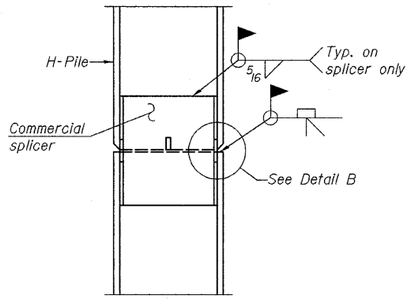
SHEET NO. 14	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17 SHEETS	1279	6R, B	LA SALLE	190	136
		SN 050-7201	CONTRACT NO. 66547		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

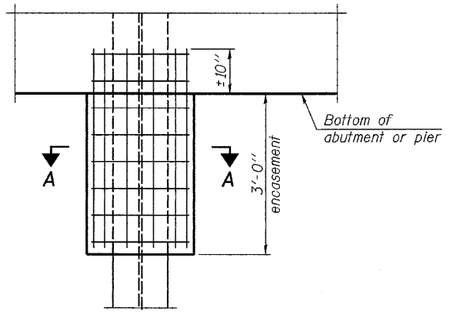


STEEL PILE TABLE

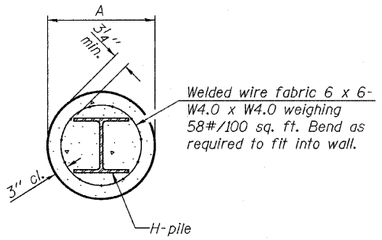
Designation	Depth d	Flange width b_f	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	11/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	11/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION



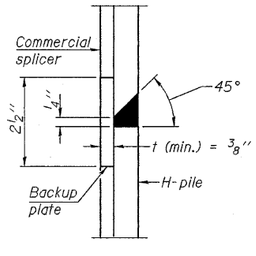
ELEVATION



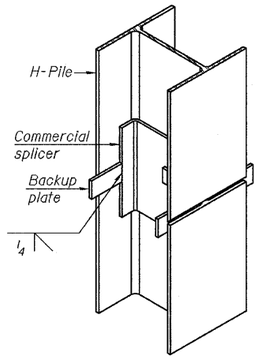
SECTION A-A

Note:
Forms for encasement may be omitted when soil conditions permit.

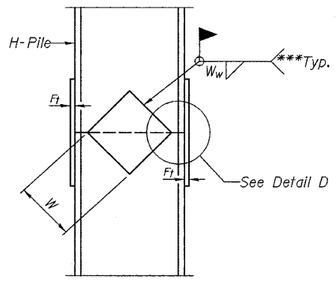
PILE ENCASEMENT



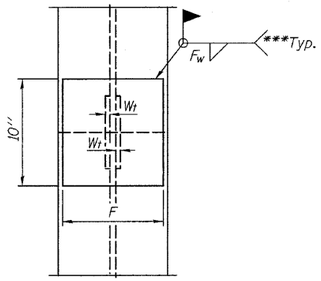
DETAIL "B"



ISOMETRIC VIEW

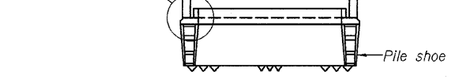


ELEVATION

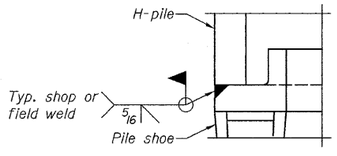


END VIEW

WELDED COMMERCIAL SPLICE

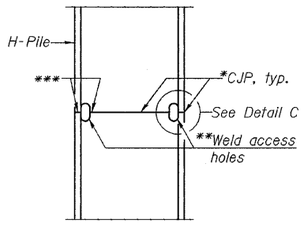


ELEVATION

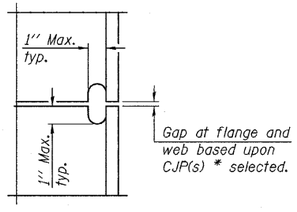


DETAIL A

H-PILE SHOE ATTACHMENT

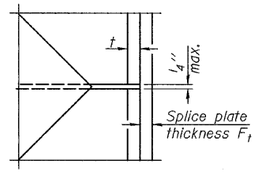


ELEVATION



DETAIL C

COMPLETE PENETRATION WELD SPLICE



DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	F_t	F_w	W	W_t	W_w
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	11/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	11/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	11/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

* Use joint conforming to Figure 3.4 in AWS D1.1, Structure Welding Code - Steel.

** Preparation per Fig. 5.2 in AWS D1.1, Structure Welding Code - Steel.

*** Interrupt welds 1/4" from end of each pile.

DESIGNED	-
CHECKED	-
DRAWN	NV
CHECKED	JKC

F-HP 10-1-08

CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

SHEET NO. 15
17 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R, B	LA SALLE	190	137
	SN 050-7201	CONTRACT NO. 66547		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HP PILE DETAILS
STRUCTURE NO. 050-7201

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 8/2004

ROUTE IL 178 Realignment DESCRIPTION Clark Run LOGGED BY Larry Meyers

SECTION LOCATION , SEC. 8, TWP. 33N, RNG. 2, 3rd PM

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-7201
Station

BORING NO. 1 East Abutment
Station 14+97.89
Offset 4.37ft Lt
Ground Surface Elev. 483.07 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Augured Black Sandy Loam with Gravel Pieces.				
480.57				
Very Soft BrownBlack Sandy Loam, Sand, Silt Layers (Alluvial Deposits) with 3" Coal Seam at 7.0'.		1		
		1		29.5
479.07				
Medium WhiteBrown Fine SandCoarse Gravel with Loamy Layers.	-5			
		4		
		7		8.7
		8		
476.07				
Loose WhiteBrown Fine SandCoarse Gravel (Limestone Pieces) with Loamy Layers.		1		
		3		10.5
		3		
473.57				
Medium WhiteBrown Fine SandCoarse Gravel (Limestone Pieces). Slightly Loamy in Areas.	-10			
		5		
		7		11.1
		7		
470.57				
Weathered Limestone				
469.07				
Borehole continued with rock coring.	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 9/04

ROUTE IL 178 Realignment DESCRIPTION Clark Run LOGGED BY Larry Meyers

SECTION LOCATION , SEC. 8, TWP. 33N, RNG. 2, 3rd PM

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-7201
Station

BORING NO. 2 West Abutment
Station 16+39.38
Offset 15.06ft Lt
Ground Surface Elev. 482.56 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Augured Brown Sandy Loam and Large Gravel (Fill).				
480.06				
Brown Sandy Loam and Large Gravel Pieces (Fill) up to Cobble Size.		6		
		4		8.3
		4		
478.06				
Medium Brown Fine SandCoarse Gravel.	-5			
		1		
		6		15.2
		6		
475.56				
Medium BrownGray FineCoarse Sand with Limestone Pieces and Silt. Top of rock at 13.5'.		9		
		8	1.5	15.3
		6	P	
	-10			
		6		
		6		13.8
		6		
		1		
		2		9.9
		100/4"		
468.06				
Borehole continued with rock coring.	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

DESIGNED	-
CHECKED	-
DRAWN	MV
CHECKED	JKC

CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

SOIL BORINGS
STRUCTURE NO. 050-7201

SHEET NO. 16	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17 SHEETS	1279	6R, B	LA SALLE	190	138
		SN 050-7201	CONTRACT NO. 66547		
	FED. ROAD DIST. NO	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

ROCK CORE LOG

Page 1 of 1

Date 8/3/04

ROUTE IL 178 Realignment DESCRIPTION Clark Run LOGGED BY Larry Meyers

SECTION _____ LOCATION , SEC. 8, TWP. 33N, RNG. 2, 3rd PM

COUNTY LaSalle CORING METHOD Rotary

STRUCT. NO. 050-7201 CORING BARREL TYPE & SIZE 5' Double tube
Station _____

BORING NO. 1 East Abutment Core Diameter 2 in
Station 14+97.89 Top of Rock Elev. 470.57 ft
Offset 4.37ft Lt Begin Core Elev. 469.07 ft
Ground Surface Elev. 483.07 ft

Description	Elev. (ft)	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Light gray mix of Dolostone pieces, rounded Quartz Sand grains in argillaceous carbonate matrix. Vuggy and fractured.	469.07		1	82	27		
		-15					579.5
							504.2
	465.57						287.5
Thin interbedded argillaceous Limestone and shale	465.17						
Rounded Quartz grains in carbonate matrix with areas of gray Shale & Clay and argillaceous Limestone. 3" layer of white Sandstone at 22'			2	99	76		
		-20					226.4
							501.9
	460.07						403.3
Light gray argillaceous Dolostone.	459.07						589.0
							882.4
End of Boring		-25					
		-30					

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the unlaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

ROCK CORE LOG

Page 1 of 1

Date 9/2/04

ROUTE IL 178 Realignment DESCRIPTION Clark Run LOGGED BY Larry Meyers

SECTION _____ LOCATION , SEC. 8, TWP. 33N, RNG. 2, 3rd PM

COUNTY LaSalle CORING METHOD Rotary

STRUCT. NO. 050-7201 CORING BARREL TYPE & SIZE 5' Double tube
Station _____

BORING NO. 2 West Abutment Core Diameter 2 in
Station 14+39.36 Top of Rock Elev. 469.06 ft
Offset 15.06ft Lt Begin Core Elev. 468.06 ft
Ground Surface Elev. 482.56 ft

Description	Elev. (ft)	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Medium Brown/Gray Fine/Coarse Sand with Limestone Pieces and Silt. Top of rock at 19.5'. (continued)	469.06 467.66	-15	1	50	14		
Gray fine grained Limestone and Dolostone with pieces of reworked Dolostone and medium wll rounded Sand grains. Vuggy with secondary Calcite and Pyrite. Thin greygreen Shale and Clay partings.							626.3
Light gray & white cherty calcareous Sandstone with thin (<1 mm) Clay & Shale partings. Sand grains are medium and well rounded. Some areas of highly argillaceous matrix.							394.1
	462.56	-20	2	95	53		
Gray argillaceous Dolostone, somewhat vuggy with Pyrite and Calcite fillings. Thin greenish gray Clay partings. Thin (< 0.3mm) vertical fractures filled with Iron Carbonate material.	461.16						508.9 382.8
Dark grey Carbonate and Sand mix (well rounded sand grains in an argillaceous, carbonate matrix with larger pieces of included Dolostone). Two very thin greenish clay partings.	460.16						536.3 783.8
Light gray argillaceous carbonate matrix with included well rounded Sand grains and larger reworked Dolostone pieces.	458.86						538.6 737.9
Gray Carbonate with Pyrite filled holes. Appears to be pieces of reworked Dolostone up to 1" in size in an argillaceous Carbonate matrix. Vertical fractures between bedding planes. Lower St. Peter Formation, Ancell Group, Ordovician System.	458.06	-25					
End of Boring							
		-30					

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the unlaxial compressive strength of the core sample (ASTM D-2938)

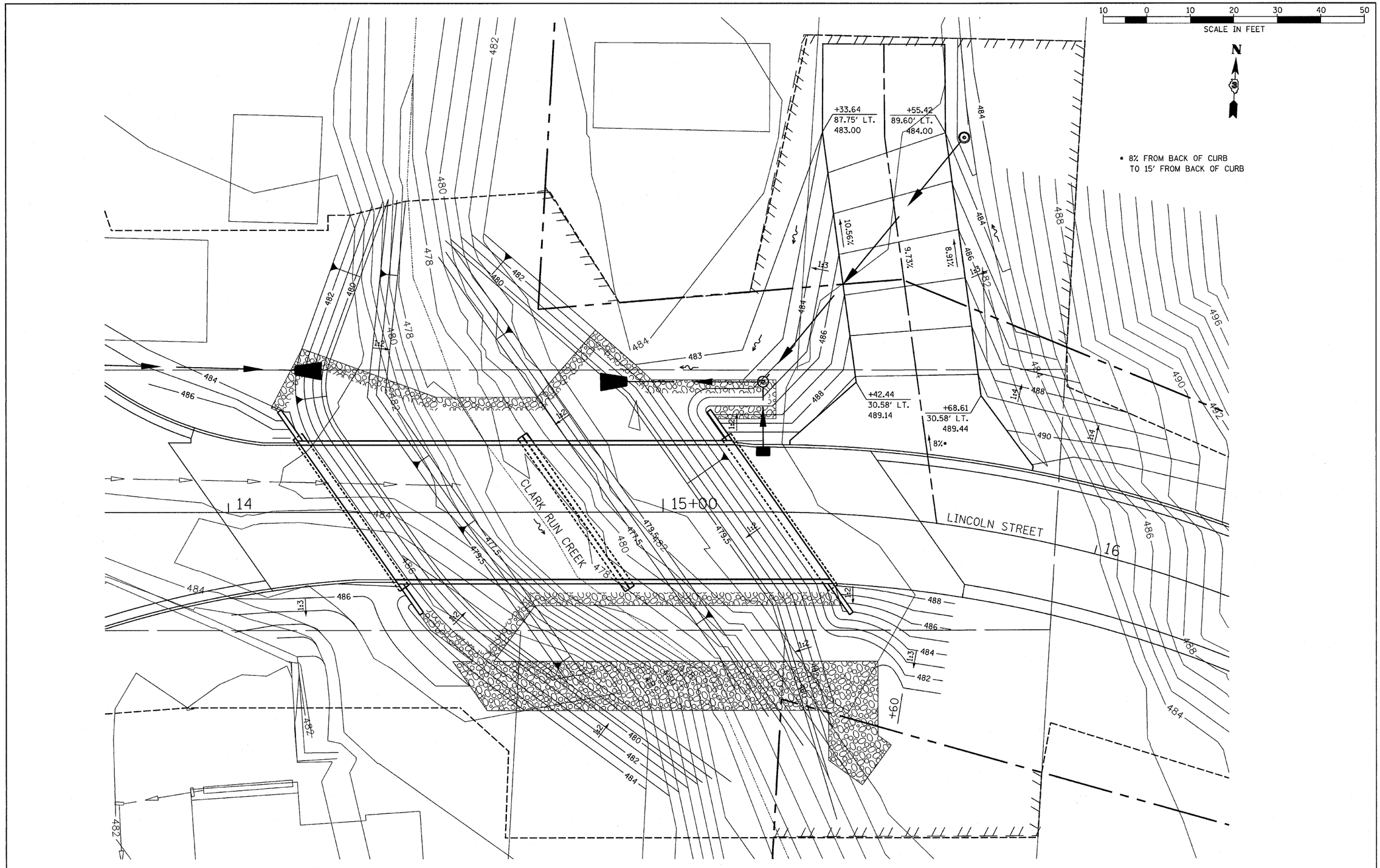
BBS, form 138 (Rev. 8-99)

DESIGNED	-
CHECKED	-
DRAWN	MV
CHECKED	JKC

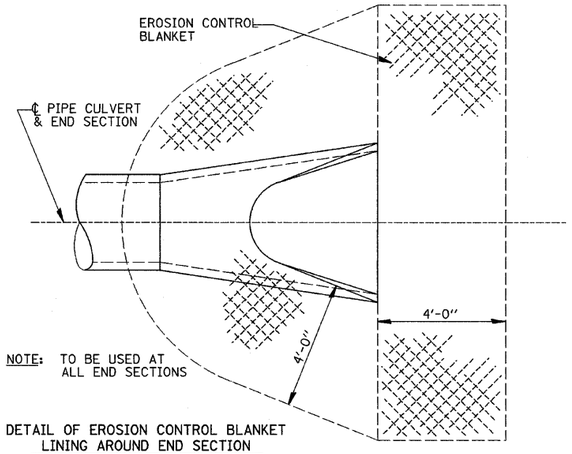
CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

SOIL BORINGS
STRUCTURE NO. 050-7201

SHEET NO. 17	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17 SHEETS	1279	6R, B	LA SALLE	190	139
		SN 050-7201	CONTRACT NO. 66547		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



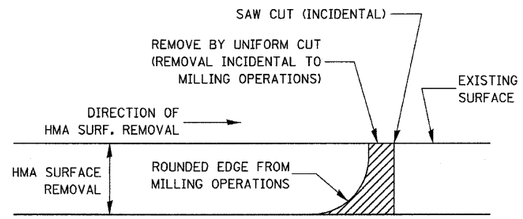
FILE NAME = D366547-SHT-GRADE.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**GRADING PLAN AT LINCOLN STREET BRIDGE**	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - NV	REVISED - ---			1279	6R,B	LASALLE	190	140
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---					CONTRACT NO. 66547		
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---		SCALE: 1"=10' SHEET NO. __ OF ___ SHEETS STA. _____ TO STA. _____	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



NOTE: TO BE USED AT ALL END SECTIONS

DETAIL OF EROSION CONTROL BLANKET LINING AROUND END SECTION

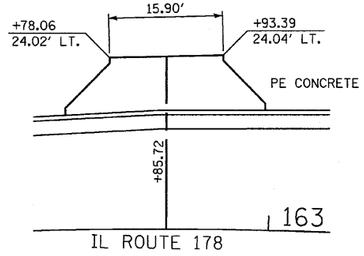
NOTE: PRC FLARED END SECTION SHOWN. TREATMENT SAME FOR OTHER END SECTIONS.

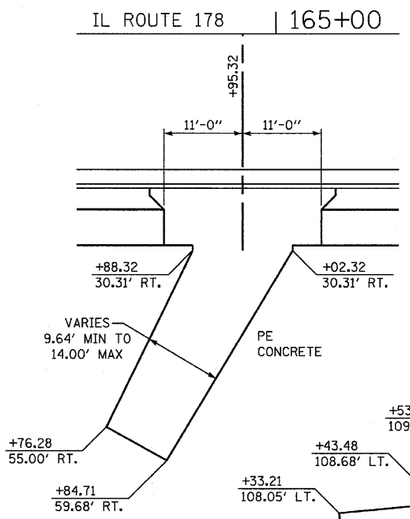


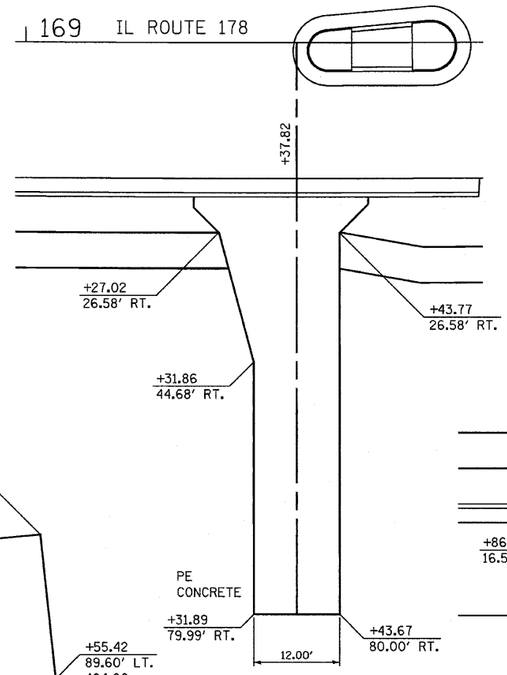
NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

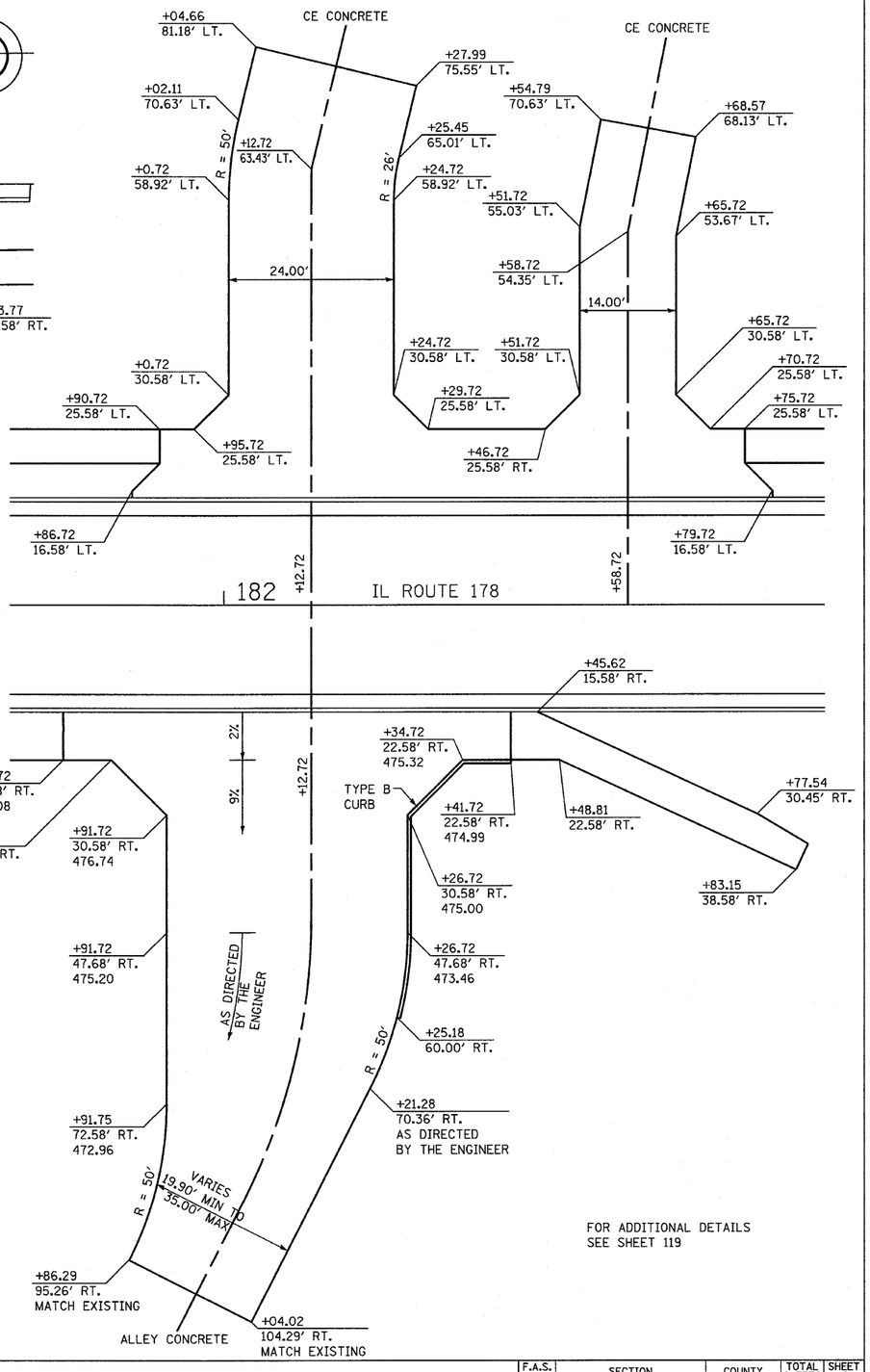
HMA DETAIL AT BUTT JOINTS

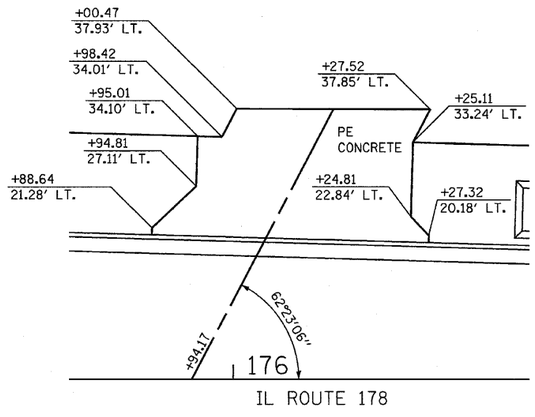
FILE NAME = D366547-SHT-DETS.DGN	USER NAME = ---	DESIGNED - JKC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS					F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - LAG	REVISED -							1279	6R,B	LASALLE	190	141
	PLOT SCALE = 1'=50'	CHECKED - JKC	REVISED -									CONTRACT NO. 66547		
	PLOT DATE = 08/10	DATE - 08/10	REVISED -		SCALE: NONE	SHEET NO. OF SHEETS	STA.	TO STA.		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

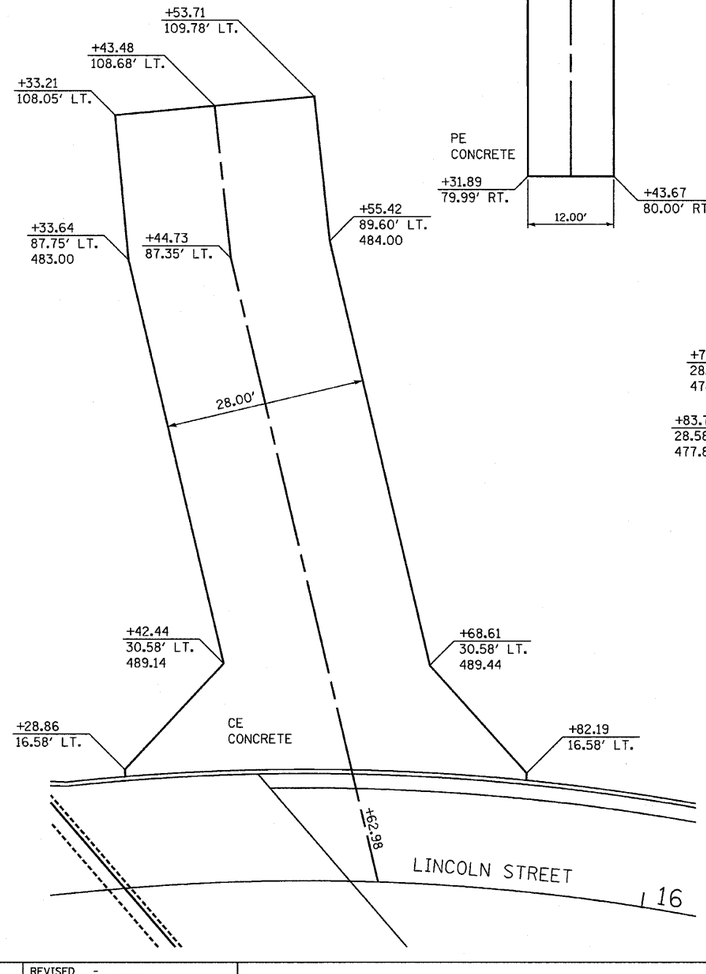












FOR ADDITIONAL DETAILS
SEE SHEET 119

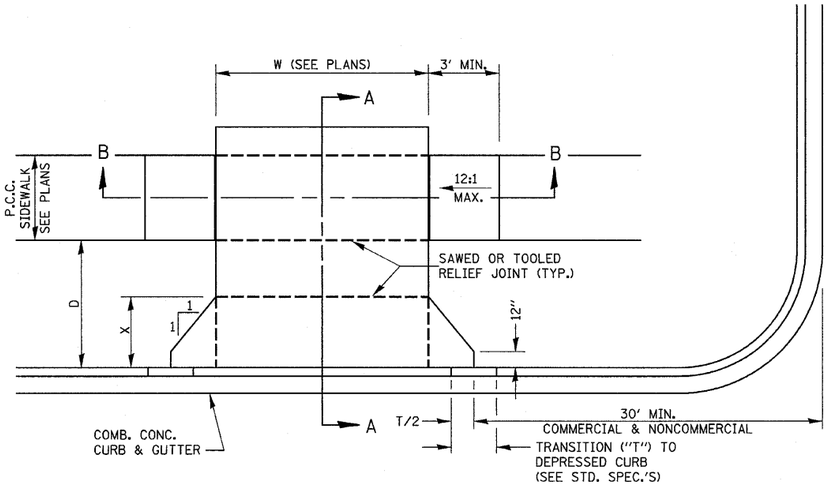
FILE NAME = D366547-SHT-DRIVE-DET.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - NV	REVISED - ___
	PLOT SCALE = 1"=10'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

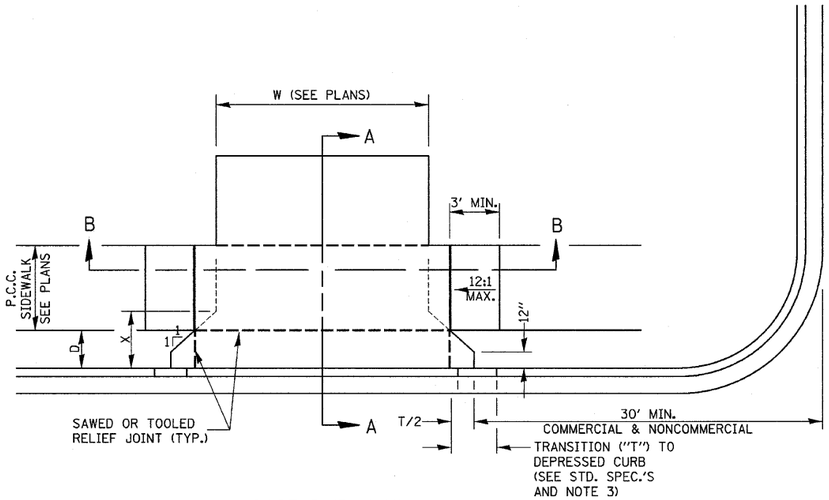
DETAILS

SCALE: 1"=10' | SHEET NO. __ OF ___ SHEETS | STA. _____ TO STA. _____

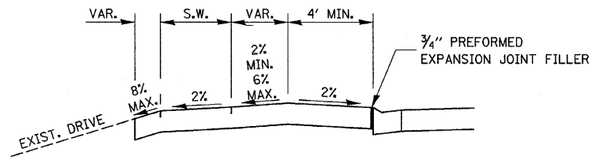
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	142
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



CASE I (D ≥ X)

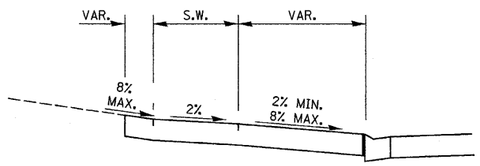


CASE I (D < X)

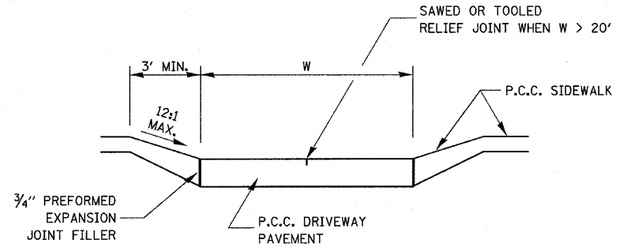


DEPRESSED ENTRANCE*
SECTION A-A

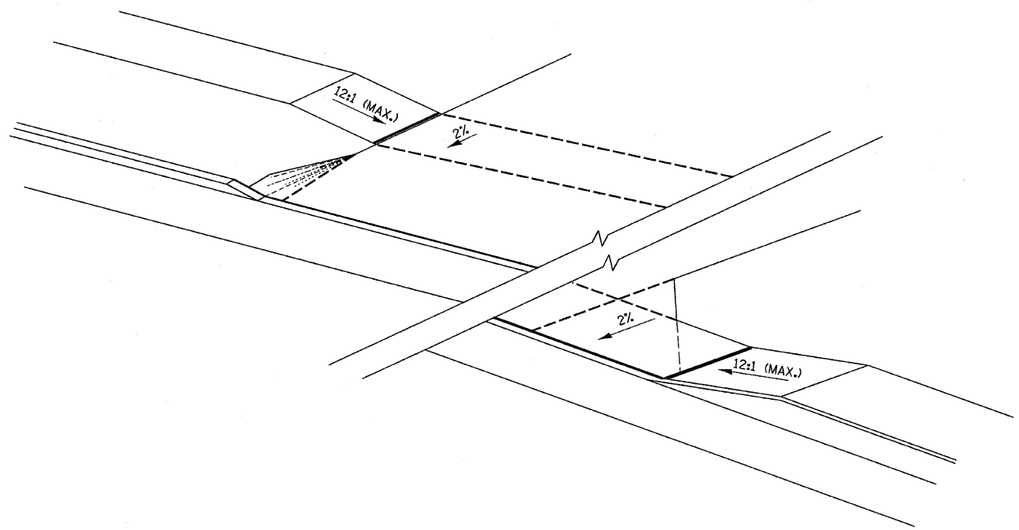
*(SEE X-SECTIONS FOR ENTRANCE PROFILE.)



ELEVATED ENTRANCE*
SECTION A-A



SECTION B-B



GENERAL NOTES:

1. X = 7' (NON-COMMERCIAL) X = 15' (COMMERCIAL)

2. COST OF EXPANSION JOINTS AND RELIEF JOINTS SHALL BE INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT.

3. AS THE DIMENSION "D" APPROACHES ZERO, THE TRANSITION TO DEPRESSED CURB SHALL BE NO STEEPER THAN 12:1

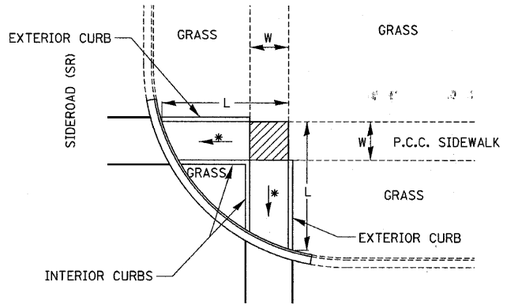
FILE NAME = D366547-SHT-DETS.DGN	USER NAME = ---	DESIGNED - JKC	REVISED -
		DRAWN - LAG	REVISED -
	PLOT SCALE = 1"=50'	CHECKED - JKC	REVISED -
	PLOT DATE = 08/10	DATE - 08/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

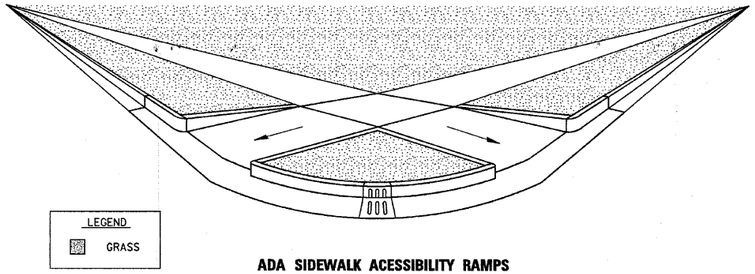
DETAILS

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

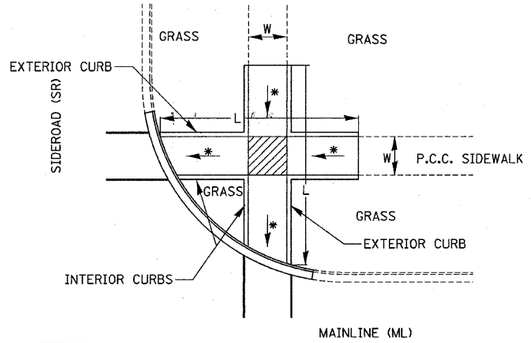
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	143
		CONTRACT NO. 66547		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



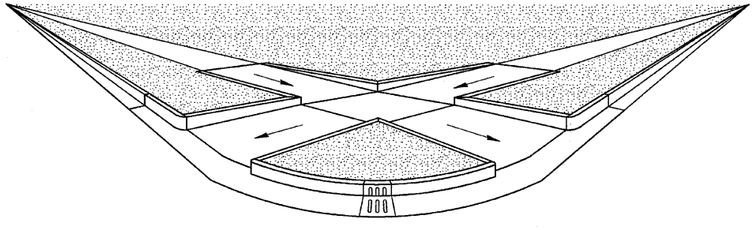
ADA SIDEWALK ACCESSIBILITY RAMPS
METHOD 1



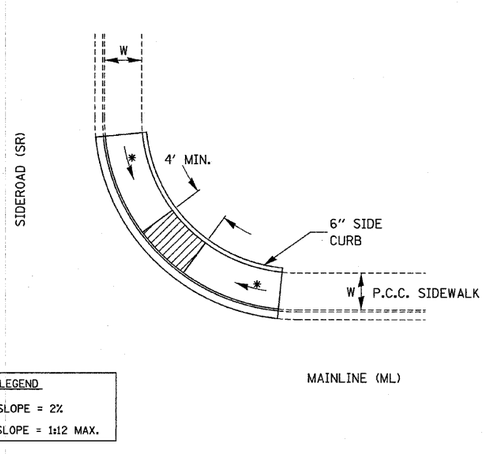
ADA SIDEWALK ACCESSIBILITY RAMPS
METHOD 1 PERSPECTIVE WITH SIDE CURBS



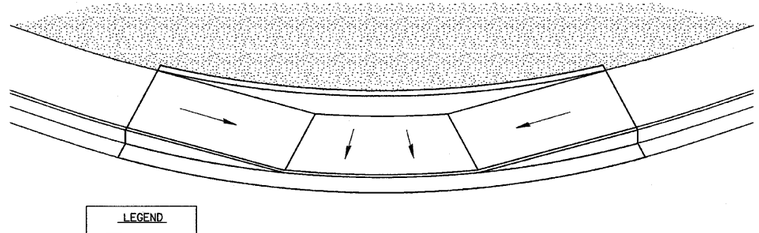
ADA SIDEWALK ACCESSIBILITY RAMPS
METHOD 2



ADA SIDEWALK ACCESSIBILITY RAMPS
METHOD 2 PERSPECTIVE WITH SIDE CURBS



ADA SIDEWALK ACCESSIBILITY RAMPS
METHOD 3



ADA SIDEWALK ACCESSIBILITY RAMPS
METHOD 3 PERSPECTIVE

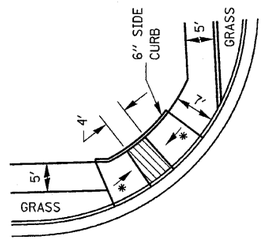
FILE NAME = D366547-SHT-DETS.DGN	USER NAME = ---	DESIGNED - JKC	REVISED -
		DRAWN - LAG	REVISED -
	PLOT SCALE = 1'=50'	CHECKED - JKC	REVISED -
	PLOT DATE = 08/10	DATE - 08/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	144
		CONTRACT NO. 66547		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



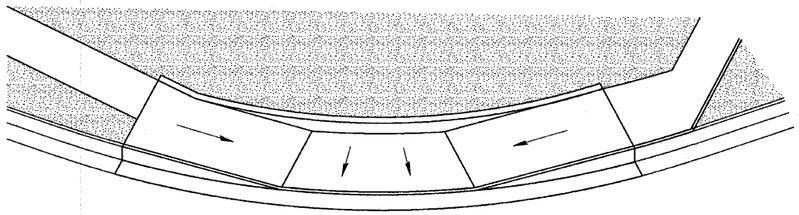
LEGEND

SLOPE = 2%

SLOPE = 1:12 MAX.

ADA SIDEWALK ACCESSIBILITY RAMPS

RT STA 12+72.25 (LINCOLN STREET)

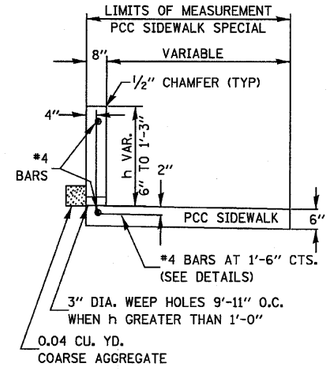


LEGEND

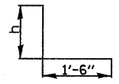
GRASS

ADA SIDEWALK ACESSIBILITY RAMPS
PERSPECTIVE

RT STA 12+72.25 (LINCOLN STREET)



TYPE 1



BENT BAR DETAIL

PCC SIDEWALK 6 INCH, SPECIAL

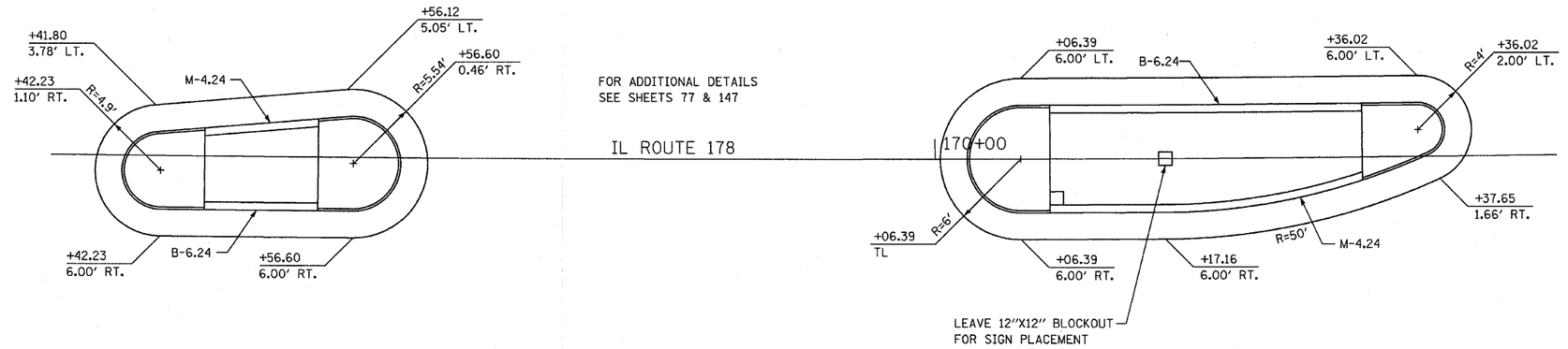
FILE NAME = 0366547-SHT-DETS.DGN	USER NAME = ---	DESIGNED - JKC	REVISED -
		DRAWN - LAG	REVISED -
	PLOT SCALE = 1'=50'	CHECKED - JKC	REVISED -
	PLOT DATE = 08/10	DATE - 08/10	REVISED -

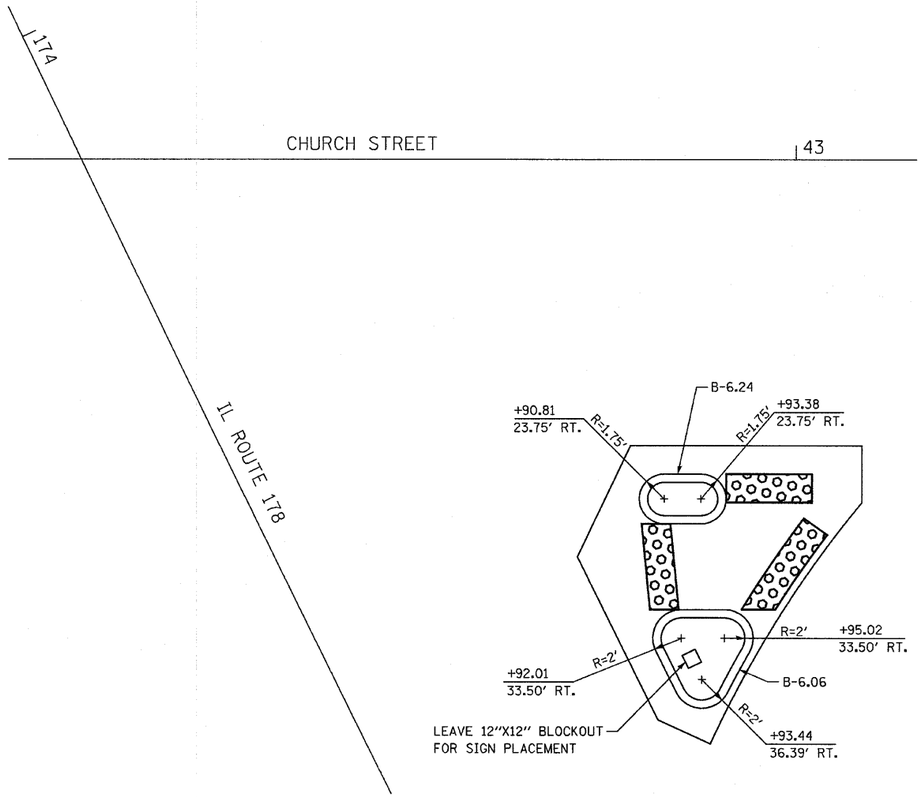
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	145
		CONTRACT NO. 66547		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





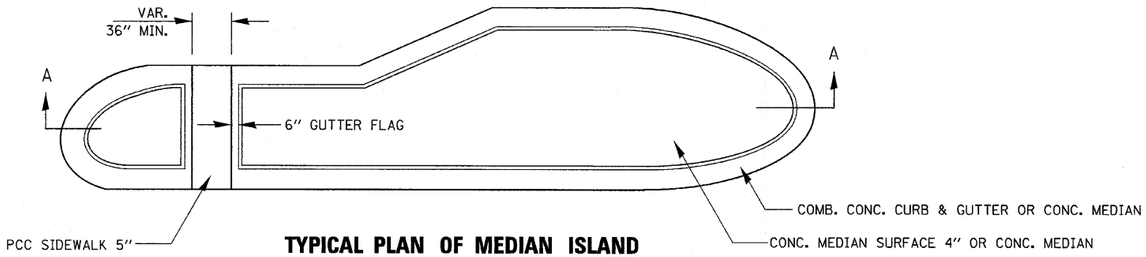
FILE NAME = D366547-SHT-ISLAND-DET.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - NV	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

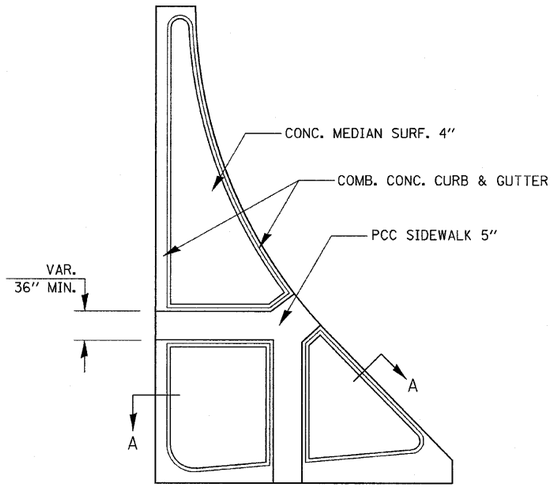
ISLAND SPECIAL DETAILS

SCALE: 1"=10' | SHEET NO. __ OF ___ SHEETS | STA. _____ TO STA. _____

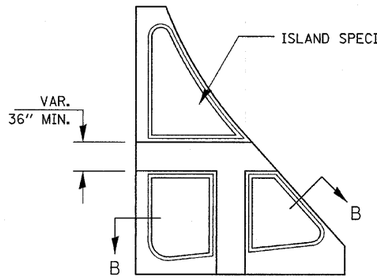
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	186	146
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



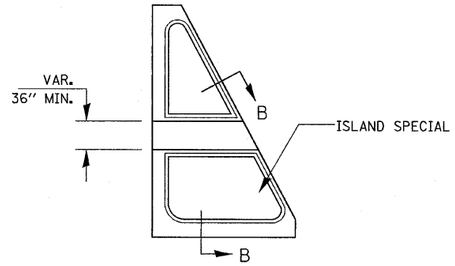
TYPICAL PLAN OF MEDIAN ISLAND



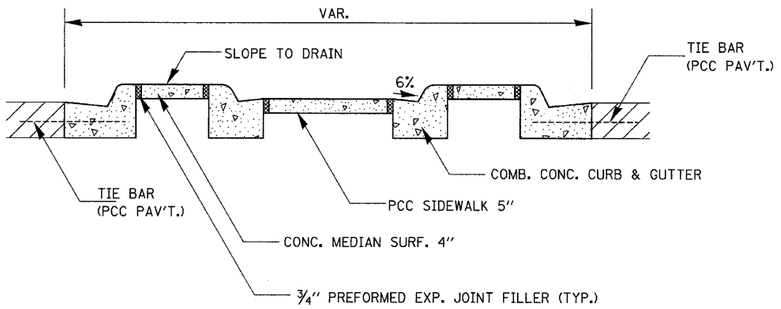
LARGE ISLAND
(FREE FLOW DESIGN)



INTERMEDIATE ISLAND
(FOR RIGHT TURN LANE DESIGN)



SMALL ISLAND
(FOR TYPICAL DESIGN)



SECTION A–A

SECTION B–B

GENERAL NOTES

SEE STANDARD 606301 AND PLAN SHEETS FOR STATION, OFFSETS, RADII, DIMENSIONS, AND DETAILS NOT SHOWN.

THE SIDEWALK SHOULD DRAIN TO THE LOW SIDE OF THE ISLAND. IF NECESSARY THE SIDEWALK SHALL BE SLOPED TO DRAIN AT A MAXIMUM 2% GRADE.

SEE THE PLAN GENERAL NOTES FOR THE TYPE OF CURB & GUTTER TO BE USED ON ISLANDS.

CURB & GUTTER ADJACENT TO THE WALKWAY IN THE INTERIOR OF THE ISLAND SHALL HAVE 6" GUTTER FLAGS.

THE SIDEWALK SHOULD NOT BE CLOSER THAN 36" FROM THE CORNER OF THE ISLAND.

KEYED LONGITUDINAL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED WITHOUT TIE BARS.

MEDIANS AND LARGE ISLANDS SHALL CONSIST OF PCC SIDWALK 5", CONCRETE MEDIAN SURFACE 4", AND COMBINATION CONCRETE CURB & GUTTER, TYPE M OR B OF THE SIZE SPECIFIED. MEDIAN ISLAND CAN ALSO BE SOLID CONCRETE MEDIANS.

LOCATIONS, LAYOUTS, AND WIDTHS OF THE FLUSH SIDEWALK AREA, SHALL BE DETERMINED BY THE DESIGNER AND SHOWN ON THE PLANS.

THE INTERMEDIATE AND SMALL ISLANDS WILL BE MEASURED FOR PAYMENT FROM E.O.P. TO E.O.P. USING EITHER OPTION 1 OR OPTION 2, AS DIRECTED BY THE ENGINEER, AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ. YD. FOR ISLAND SPECIAL, WHICH SHALL INCLUDE THE COMBINATION CURB & GUTTER, SIDEWALK, AGGREGATE FILL, CONCRETE MEDIAN SURFACE, AND SOLID CONCRETE MEDIAN.

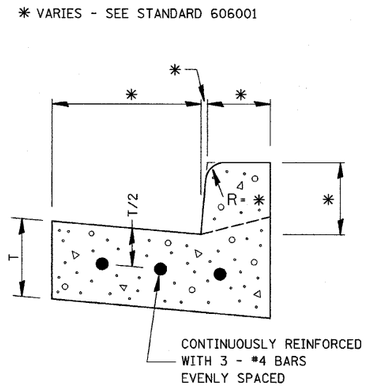
FILE NAME = D366547-SHT-DETS.DGN	USER NAME = ---	DESIGNED - JKC	REVISED -
		DRAWN - LAG	REVISED -
	PLOT SCALE = 1"=50'	CHECKED - JKC	REVISED -
	PLOT DATE = 08/10	DATE - 08/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

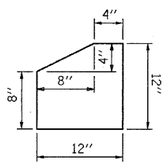
SCALE: NONE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	147
		CONTRACT NO. 66547		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

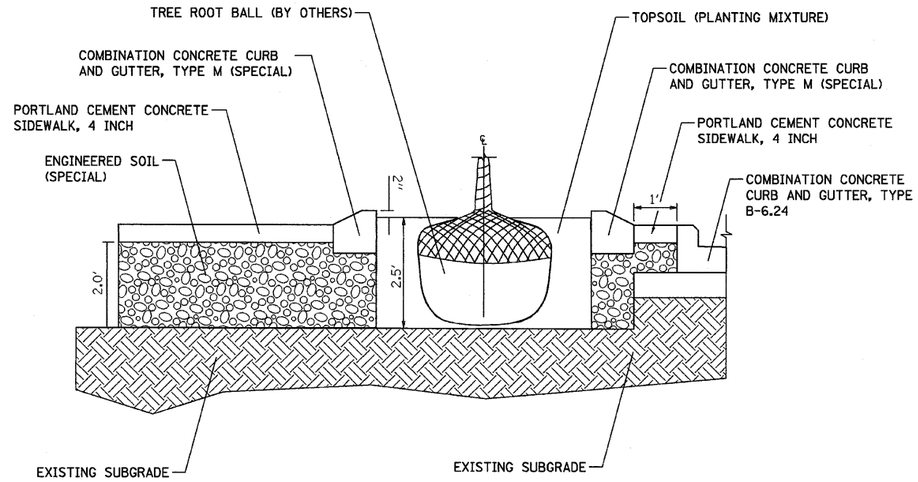


REINFORCEMENT SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CC&G.

REINFORCEMENT DETAIL FOR COMBINATION CONCRETE CURB AND GUTTER



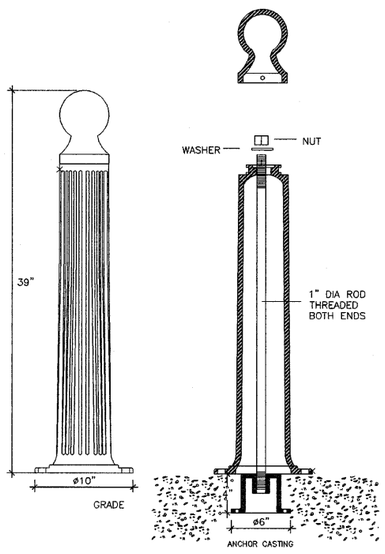
COMBINATION CONCRETE CURB AND GUTTER, TYPE M (SPECIAL) DETAIL



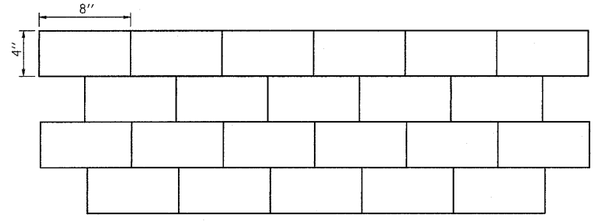
TYPICAL SIDEWALK/PLANTER SECTION WITH ENGINEERED SOIL (SPECIAL)

N.T.S.

Standard Installation



BOLLARDS DETAIL



STAMPED CONCRETE IN A 4" X 8" RUNNING BOND PATTERN, BRICK RED COLOR WITH CHARCOAL RELEASE AGENT TO MATCH COLOR AND PATTERN CURRENTLY IN USE IN UTICA CROSSWALKS. SEE SHEETS 77-79 FOR LAYOUT AND DIMENSIONS OF CROSSWALKS.

PAVEMENT COLOR AND TEXTURED (SPECIAL)

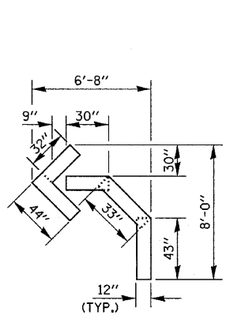
FILE NAME = D366547-SHT-DETS.DGN	USER NAME = ---	DESIGNED - JKC	REVISED -
		DRAWN - LAG	REVISED -
	PLOT SCALE = 1"=50'	CHECKED - JKC	REVISED -
	PLOT DATE = 08/10	DATE - 08/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

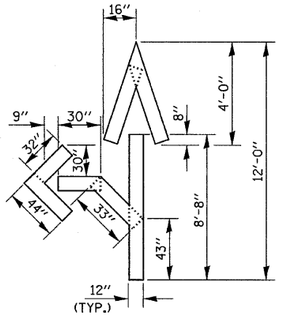
SCALE: NONE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	148
		CONTRACT NO. 66547		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



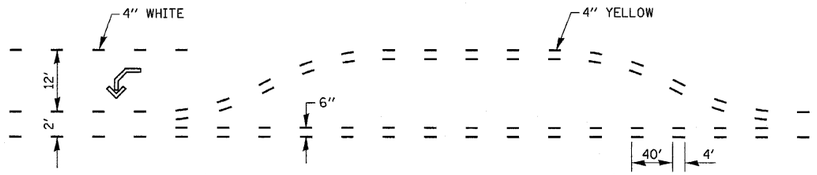
QUANTITY

12" LINE = 16 LIN. FT.
OR 4" LINE = 48 LIN. FT.

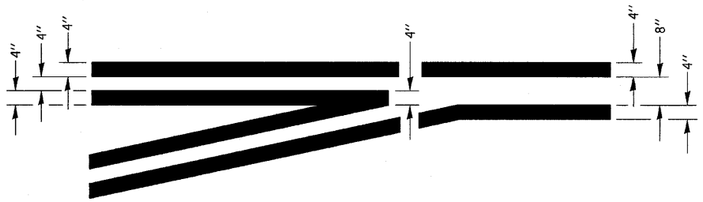


QUANTITY

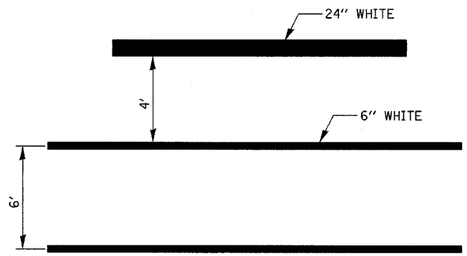
12" LINE = 29 LIN. FT.
OR 4" LINE = 87 LIN. FT.



SHORT–TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS

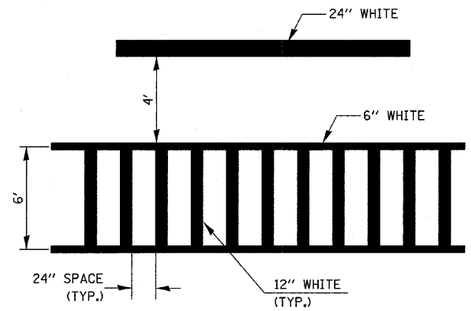


TYPICAL APPLICATION @ LEFT TURN LANES



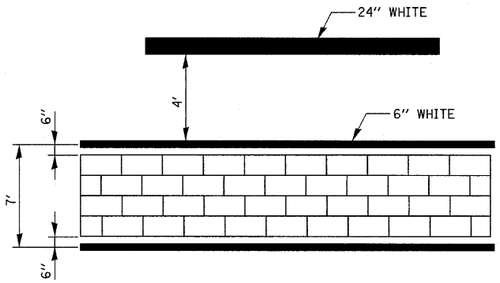
TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS

OPTION 1



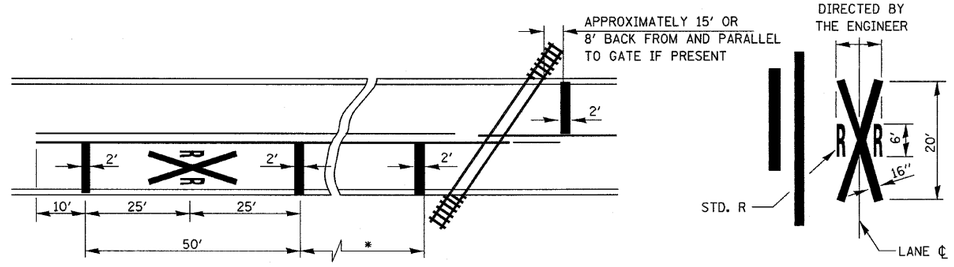
TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS

OPTION 2



TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS

OPTION 3



* MINIMUM DISTANCE
400' FOR 55 MPH
250' FOR 45 MPH
100' FOR 35 MPH OR LESS

PAVEMENT MARKINGS AT RAILROAD–HIGHWAY GRADE CROSSING

NOTES:
THE TRANSVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

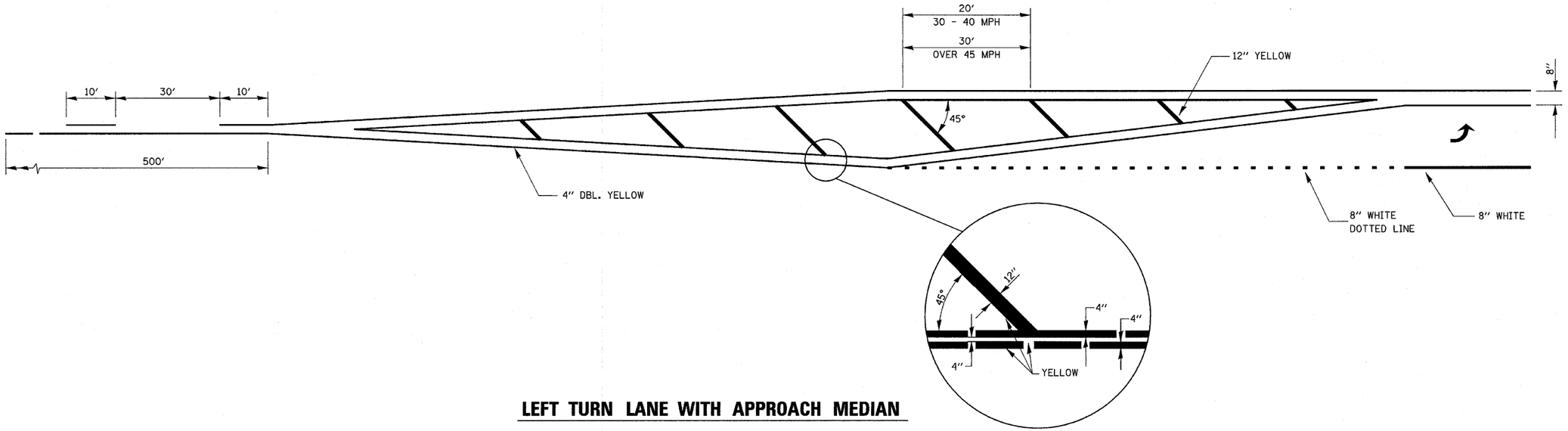
FILE NAME = D366547-SHT-DETS.DGN	USER NAME = ---	DESIGNED - JKC	REVISED -
		DRAWN - LAG	REVISED -
	PLOT SCALE = 1"=50'	CHECKED - JKC	REVISED -
	PLOT DATE = 08/10	DATE - 08/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

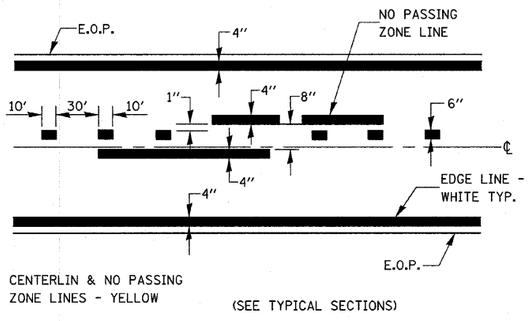
DETAILS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	149
		CONTRACT NO. 66547		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEFT TURN LANE WITH APPROACH MEDIAN

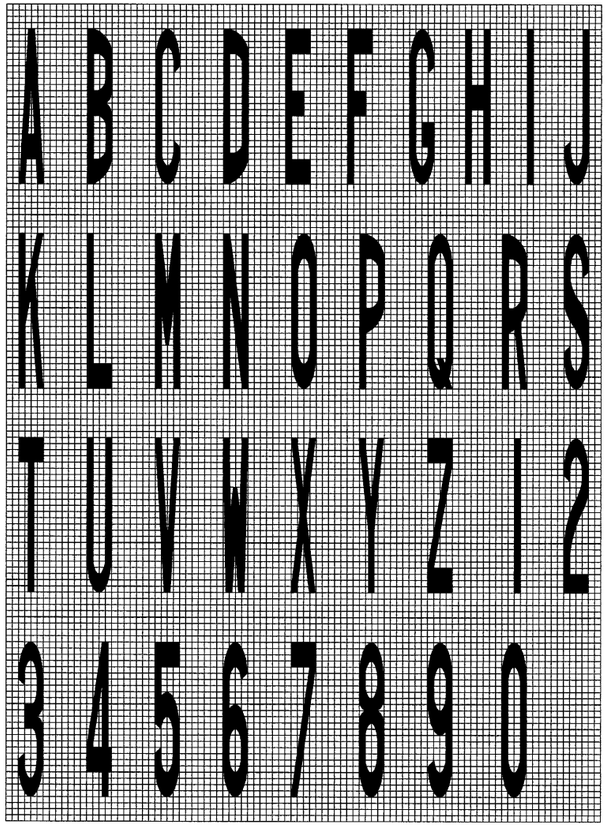


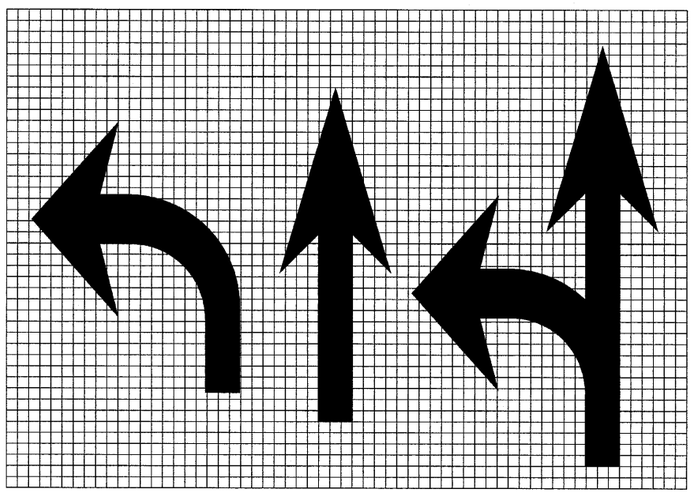
CENTERLIN & NO PASSING
ZONE LINES - YELLOW

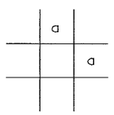
(SEE TYPICAL SECTIONS)

PAVEMENT MARKING

FILE NAME = D366547-SHT-DETS.DGN	USER NAME = ----	DESIGNED - JKC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS					F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - LAG	REVISED -							1279	6R,B	LASALLE	190	150
	PLOT SCALE = 1"=50'	CHECKED - JKC	REVISED -									CONTRACT NO. 66547		
	PLOT DATE = 08/10	DATE - 08/10	REVISED -		SCALE: NONE	SHEET NO. OF SHEETS	STA.	TO STA.		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



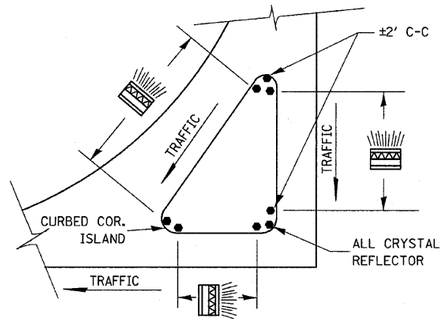




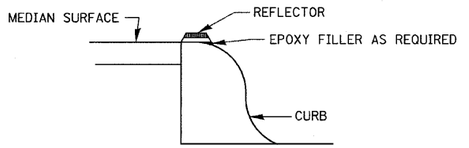
LEGEND HEIGHT	ARROW SIZE	a
6′	SMALL	2.9
8′	LARGE	3.8

THE SPACE BETWEEN ADJACENT LETTERS OR NUMERALS SHOULD BE APPROXIMATELY 3 FOR 6′ LEGEND AND 4′ FOR 8′ LEGEND.

LETTER AND ARROW GRID SCALE



PRISMATIC REFLECTORS

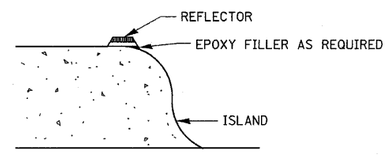


SECTION VIEW

NOTES

1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.

OPTION 1



SECTION VIEW

NOTES

1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.

OPTION 2

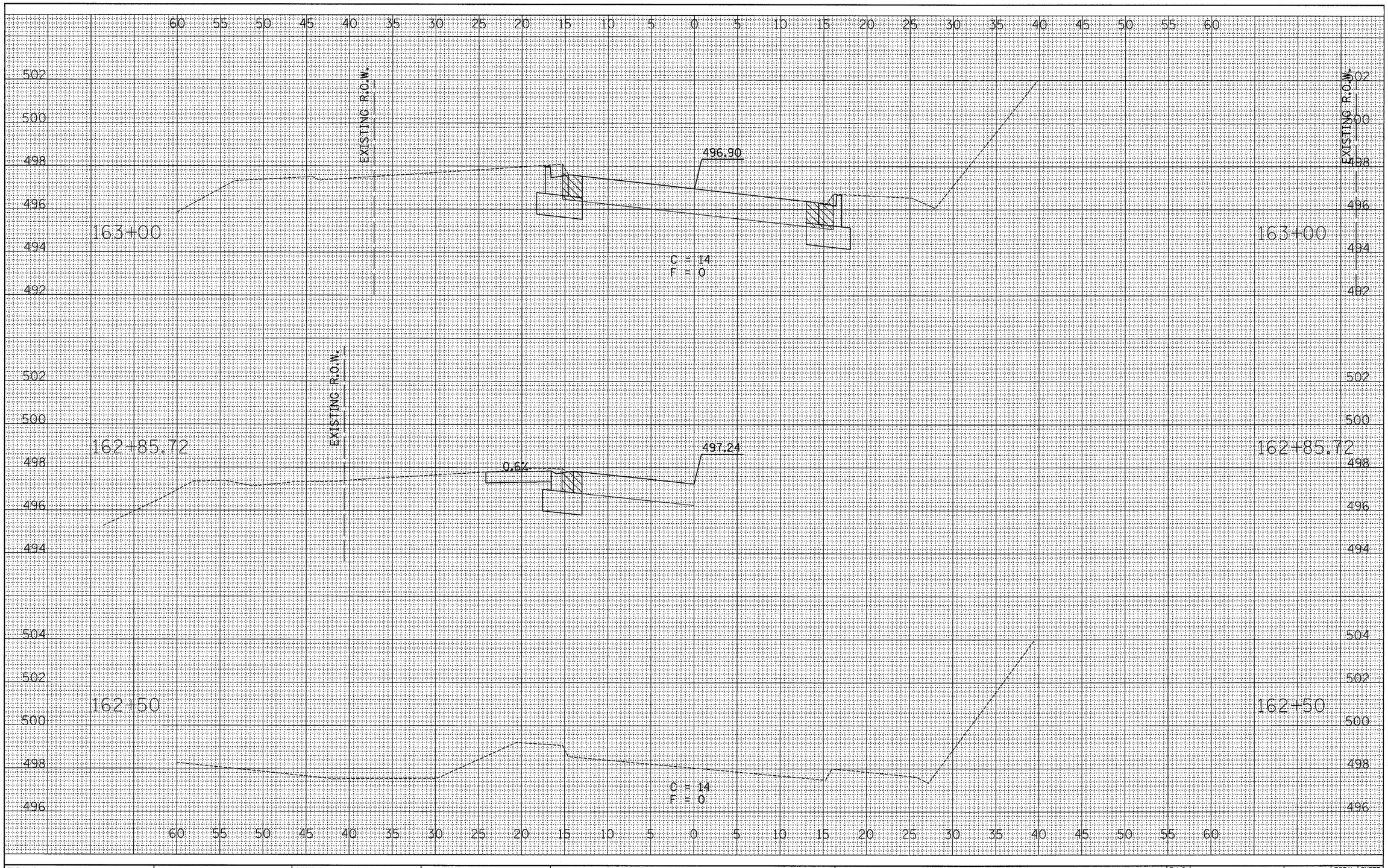
FILE NAME = D368547-SHT-DETS.DGN	USER NAME = ---	DESIGNED - JKC	REVISED -
		DRAWN - LAG	REVISED -
	PLOT SCALE = 1"=50'	CHECKED - JKC	REVISED -
	PLOT DATE = 08/10	DATE - 08/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	151
		CONTRACT NO. 66547		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY

NO.	NOTE BOOK	SURVEYED	PLOTTED	TEMPLATE	AREAS	AREAS CHECKED

ORIGINAL SURVEY

NO.	NOTE BOOK	SURVEYED	PLOTTED	TEMPLATE	AREAS	AREAS CHECKED	DATE
		CHAMLIN	CHAMLIN				09/04

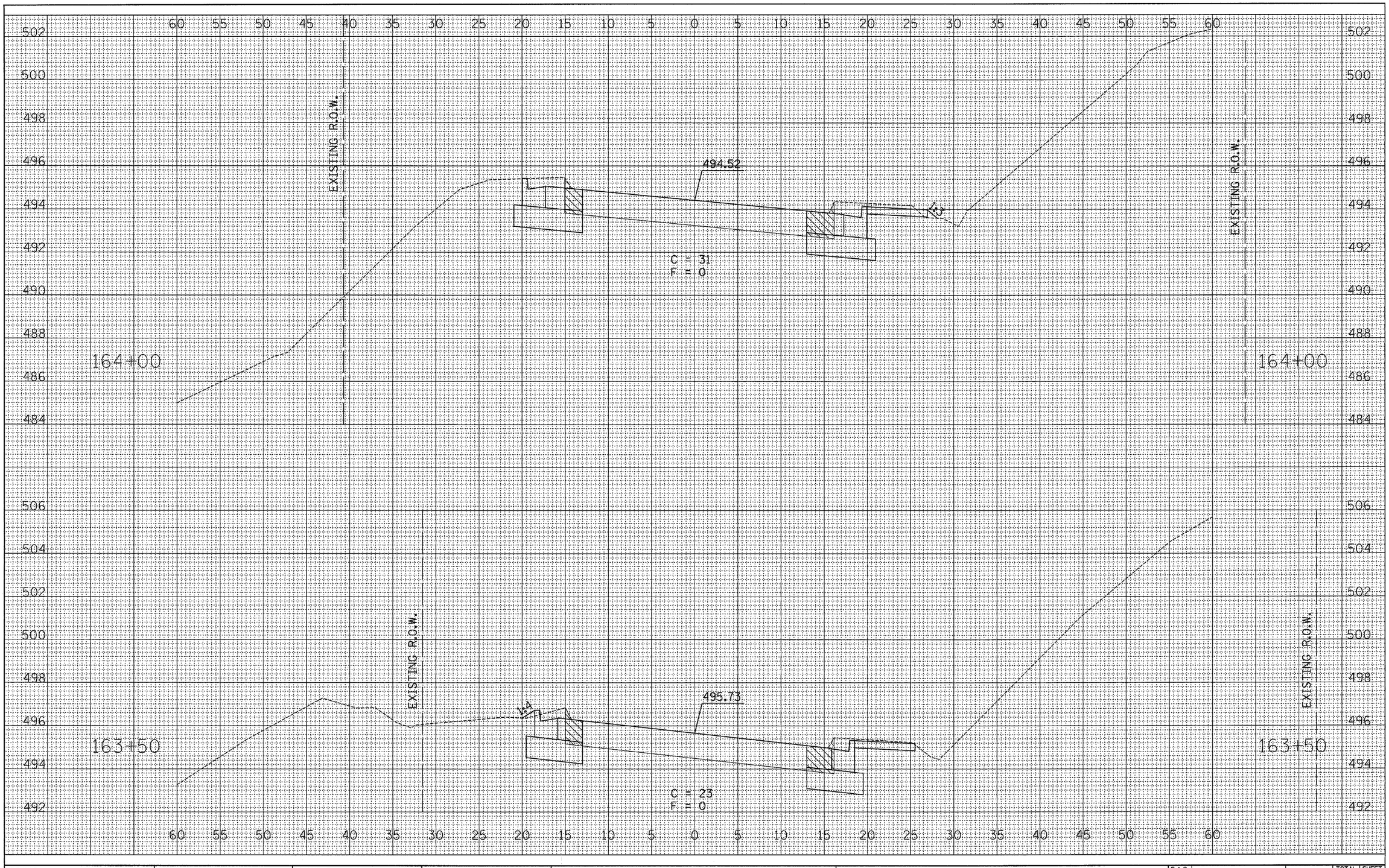
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 162+50 TO STA. 163+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	152
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

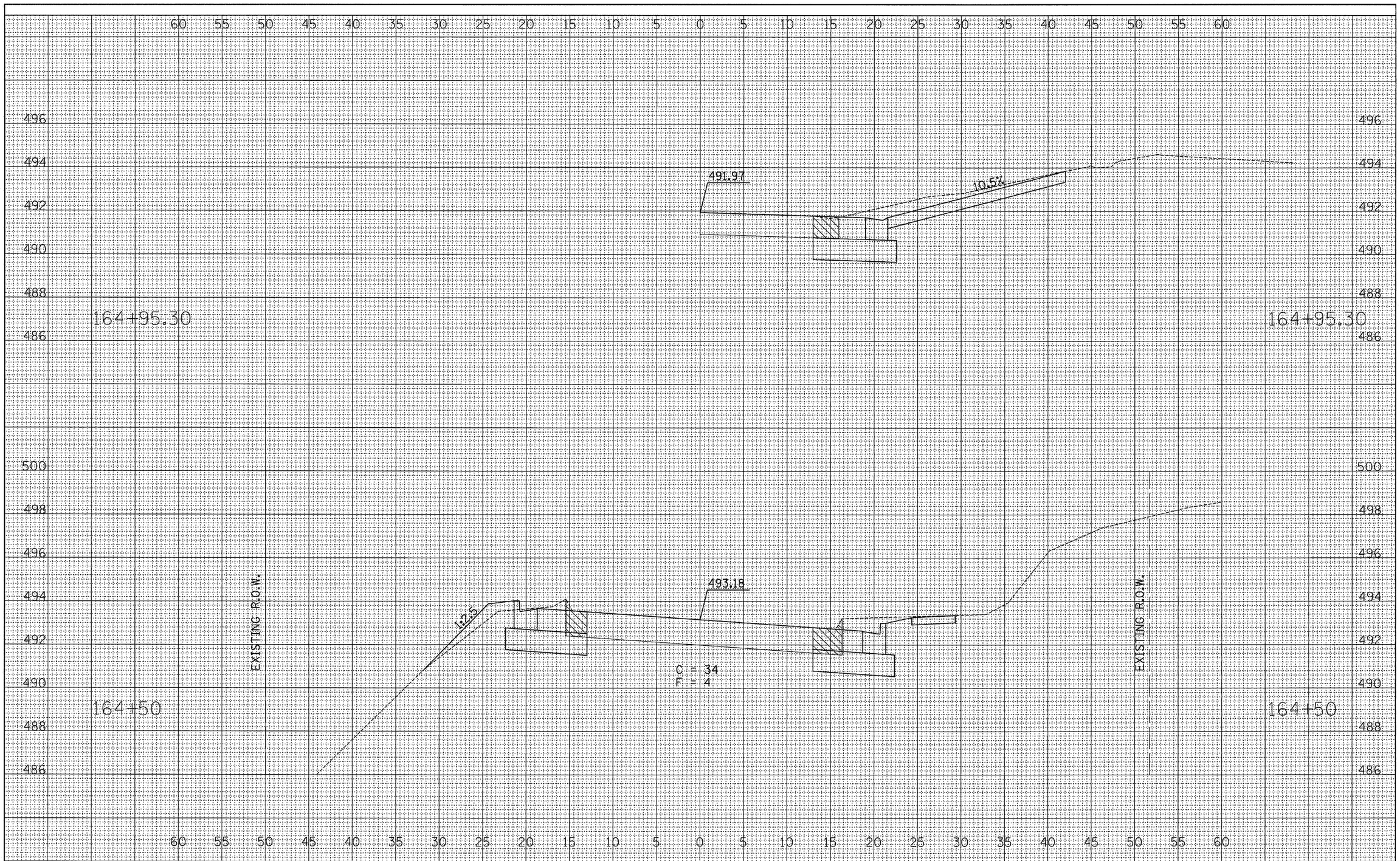


FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

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

FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL RTE 178 (RELOCATED)
		DRAWN - LAG/NOE	REVISED - ---		
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---		
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---		SCALE: _____ SHEET NO. __ OF ___ SHEETS STA. 163+50 TO STA. 164+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	153
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY — NO. | NOTE BOOK | SURVEYED 08/04 | PLOTTED CHAMLIN | TEMPLATE CHAMLIN | AREAS | AREAS CHECKED

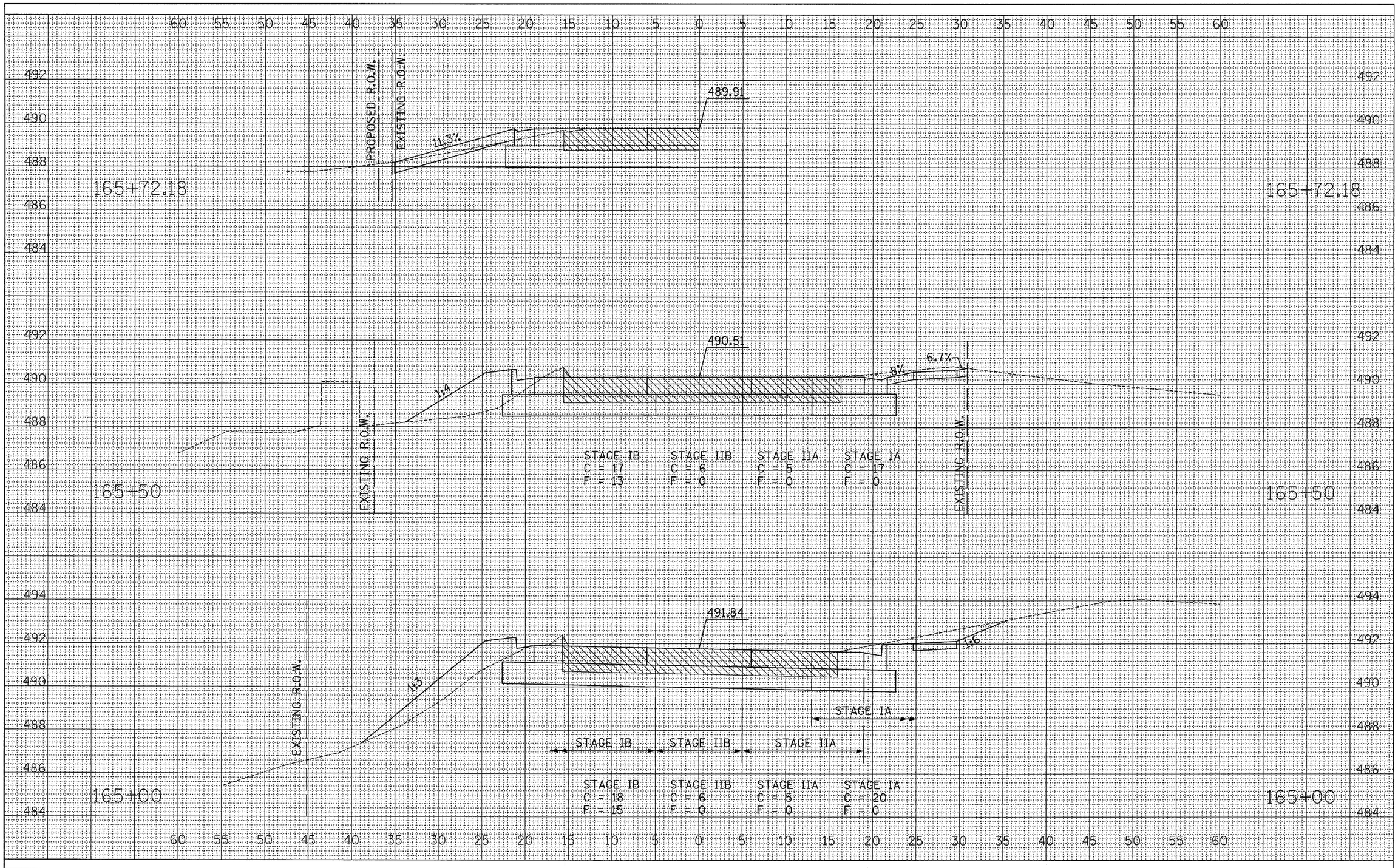
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 164+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,8	LASALLE	190	154
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY

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

ORIGINAL SURVEY

NO.	NOTE BOOK	SURVEYED	PLOTTED	TEMPLATE	AREAS	AREAS CHECKED	BY	DATE
							CHAMLIN	09/24

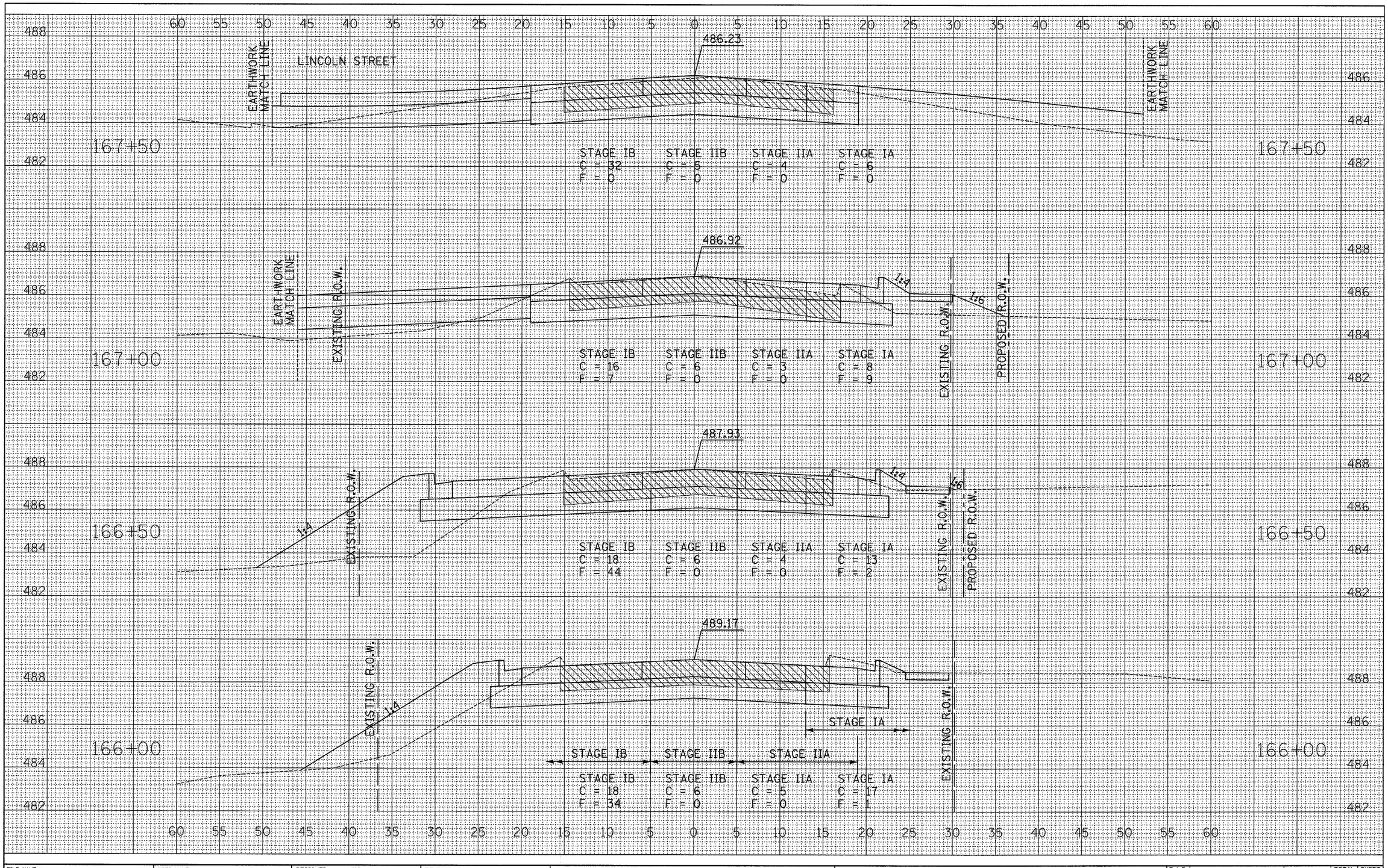
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 165+00 TO STA. 165+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	155
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

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

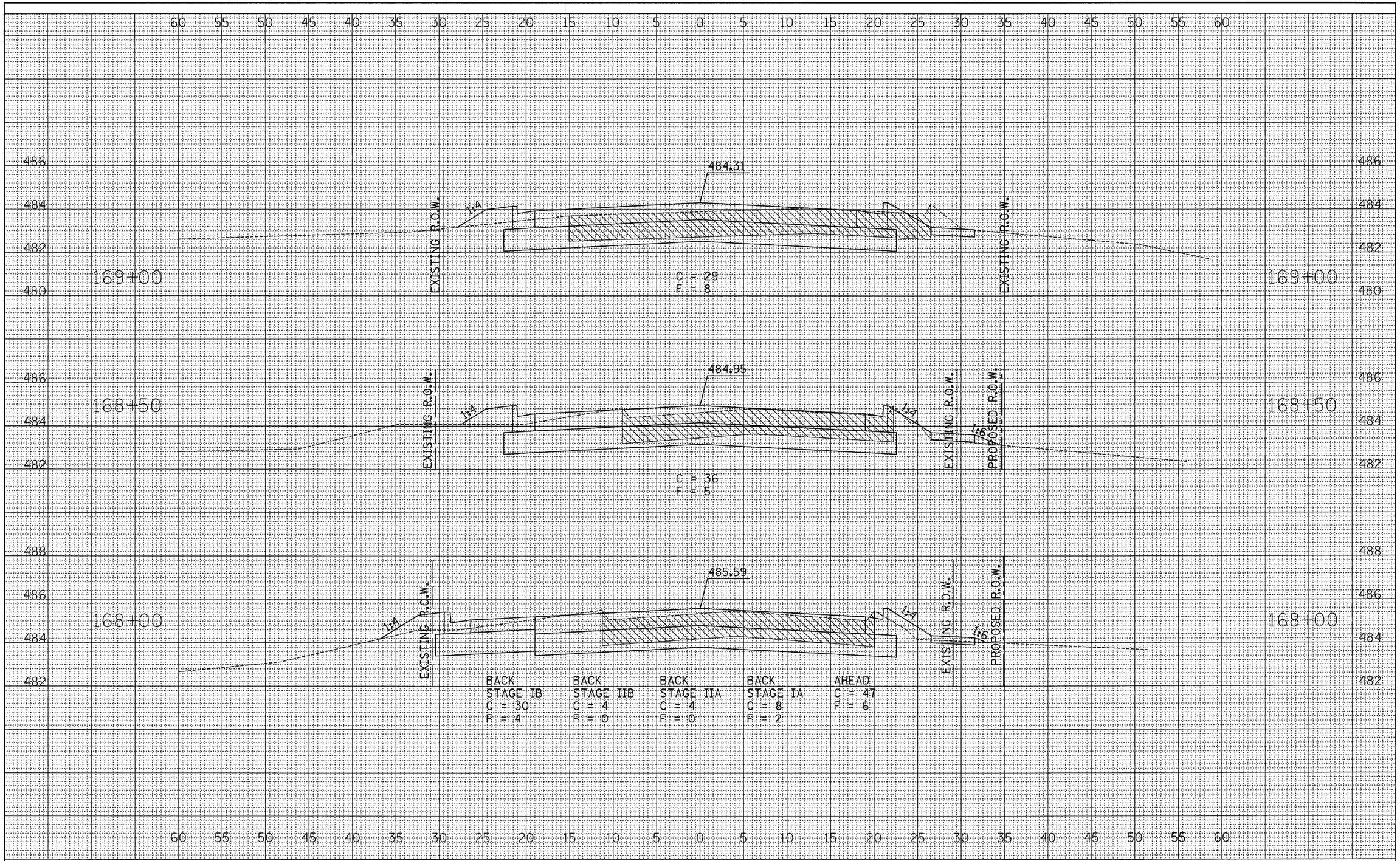
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 166+00 TO STA. 167+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	156
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

CHAMLIN — 09/04

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

CHAMLIN — 09/04

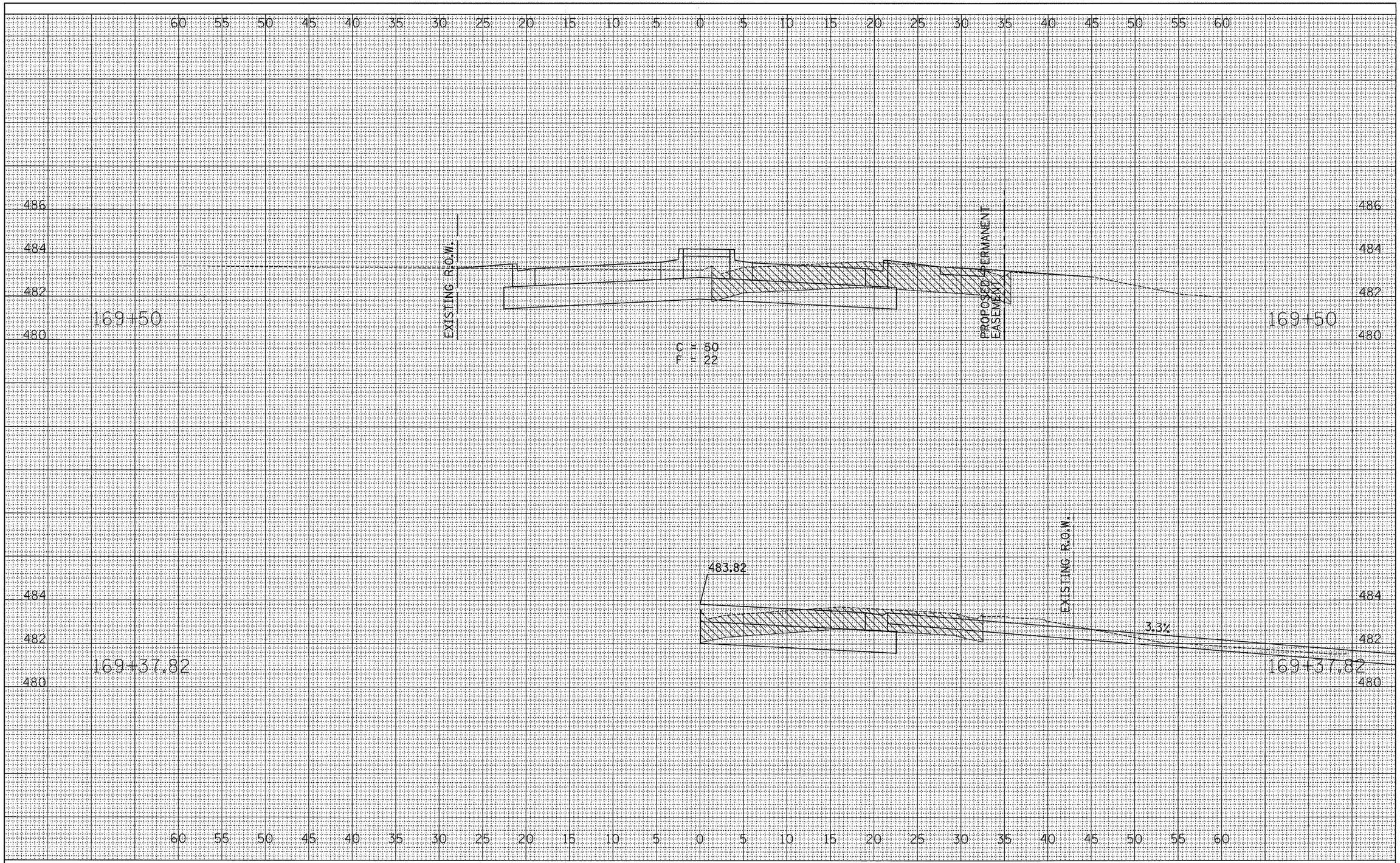
FILE NAME = 0366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NDE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 168+00 TO STA. 169+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	157
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

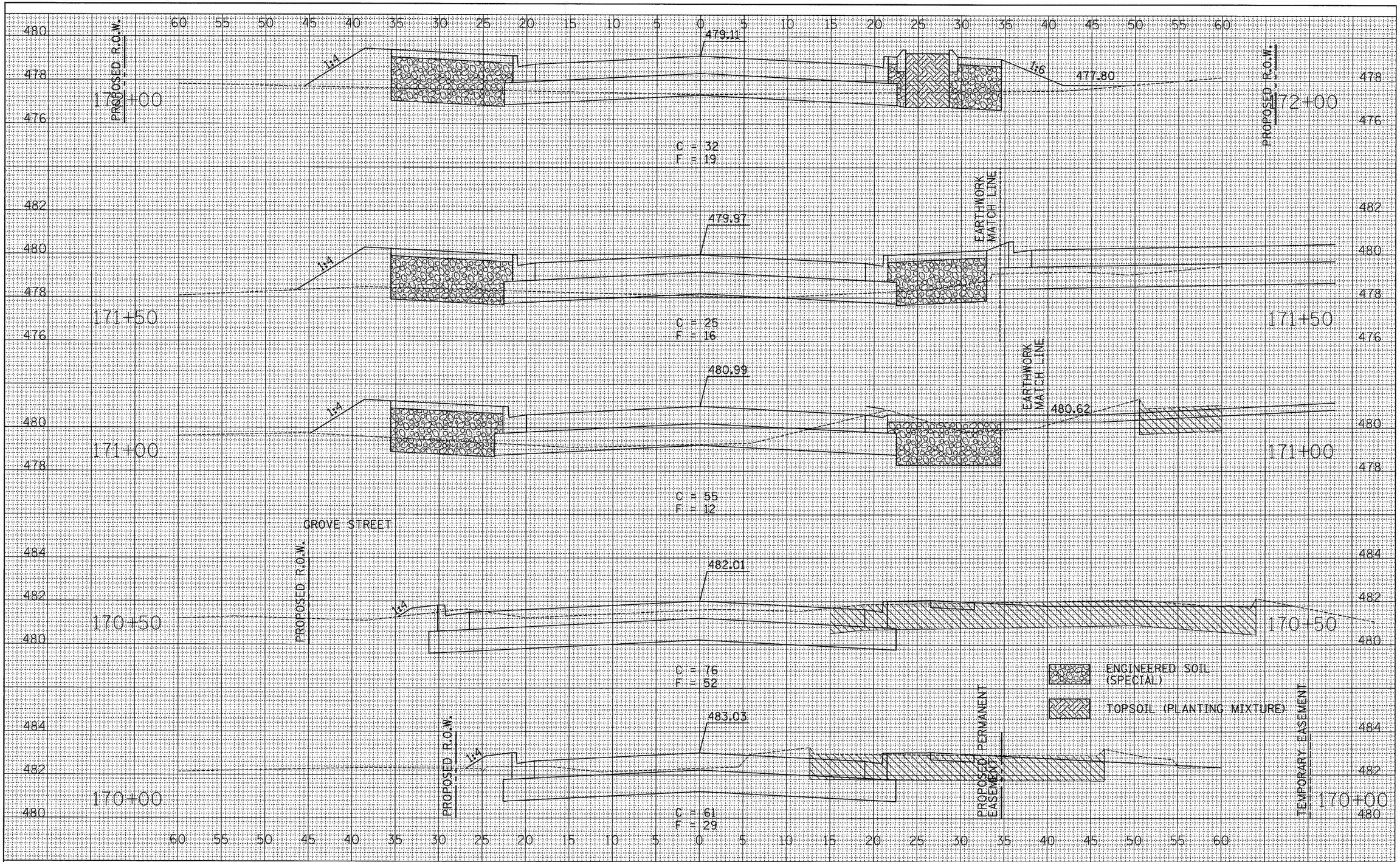


FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
CHAMLIN
DATE
08/04

FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL RTE 178 (RELOCATED)
		DRAWN - LAG/NOE	REVISED - ---		
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---		SCALE: _____ SHEET NO. __ OF ___ SHEETS STA. 168+00 TO STA. 169+50
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---		

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	158
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK — NO. — BY: CHAMLIN CHAMLIN — DATE: 08/04

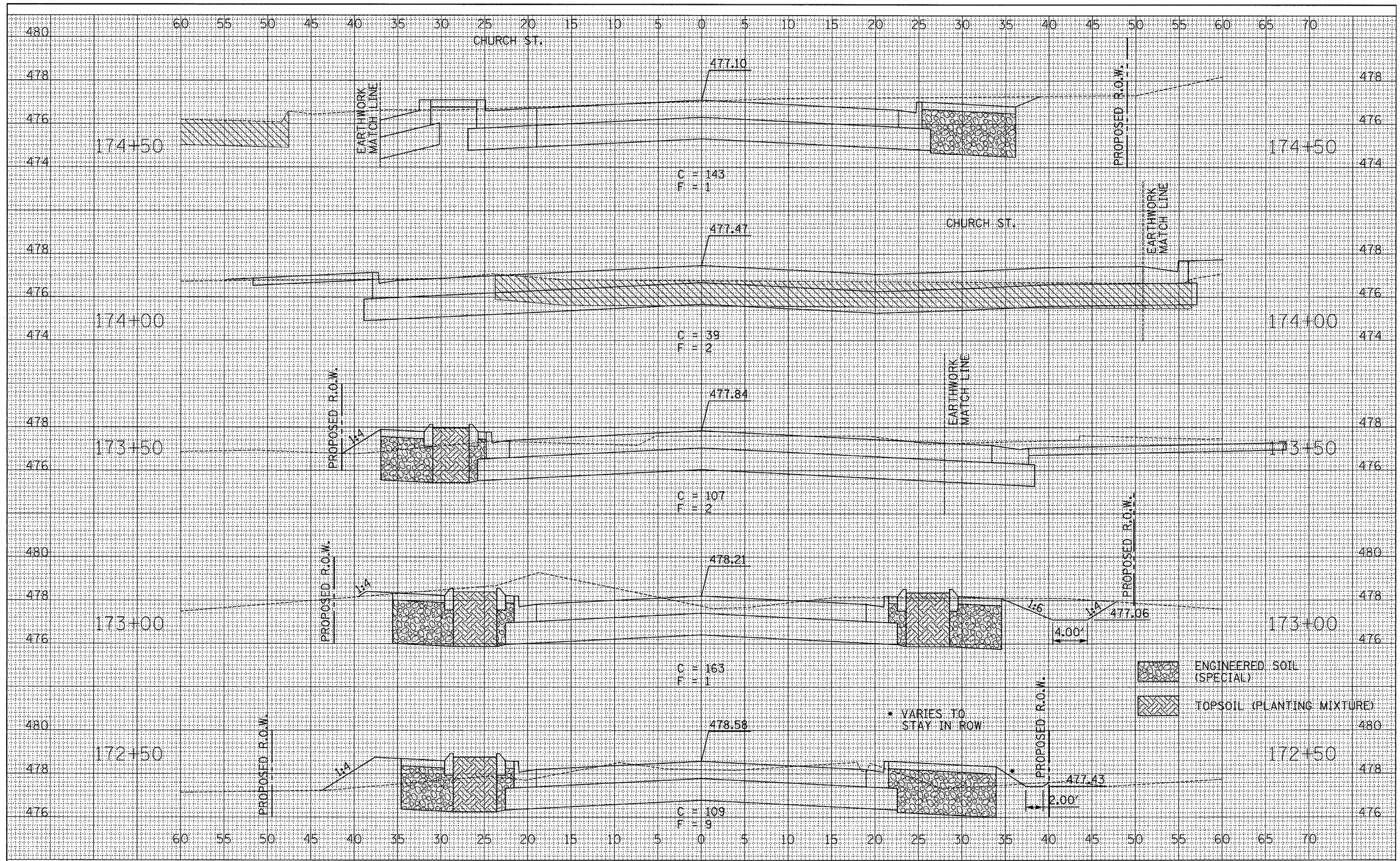
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 170+00 TO STA. 172+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	159
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY — SURVEYED: ; PLOTTED: ; TEMPLATE: ; AREAS: ; AREAS CHECKED: ; NOTE BOOK: ; NO.:

JJH CHAMLIN 09/04 — CHAMLIN

ORIGINAL SURVEY — SURVEYED: ; PLOTTED: ; TEMPLATE: ; AREAS: ; AREAS CHECKED: ; NOTE BOOK: ; NO.:

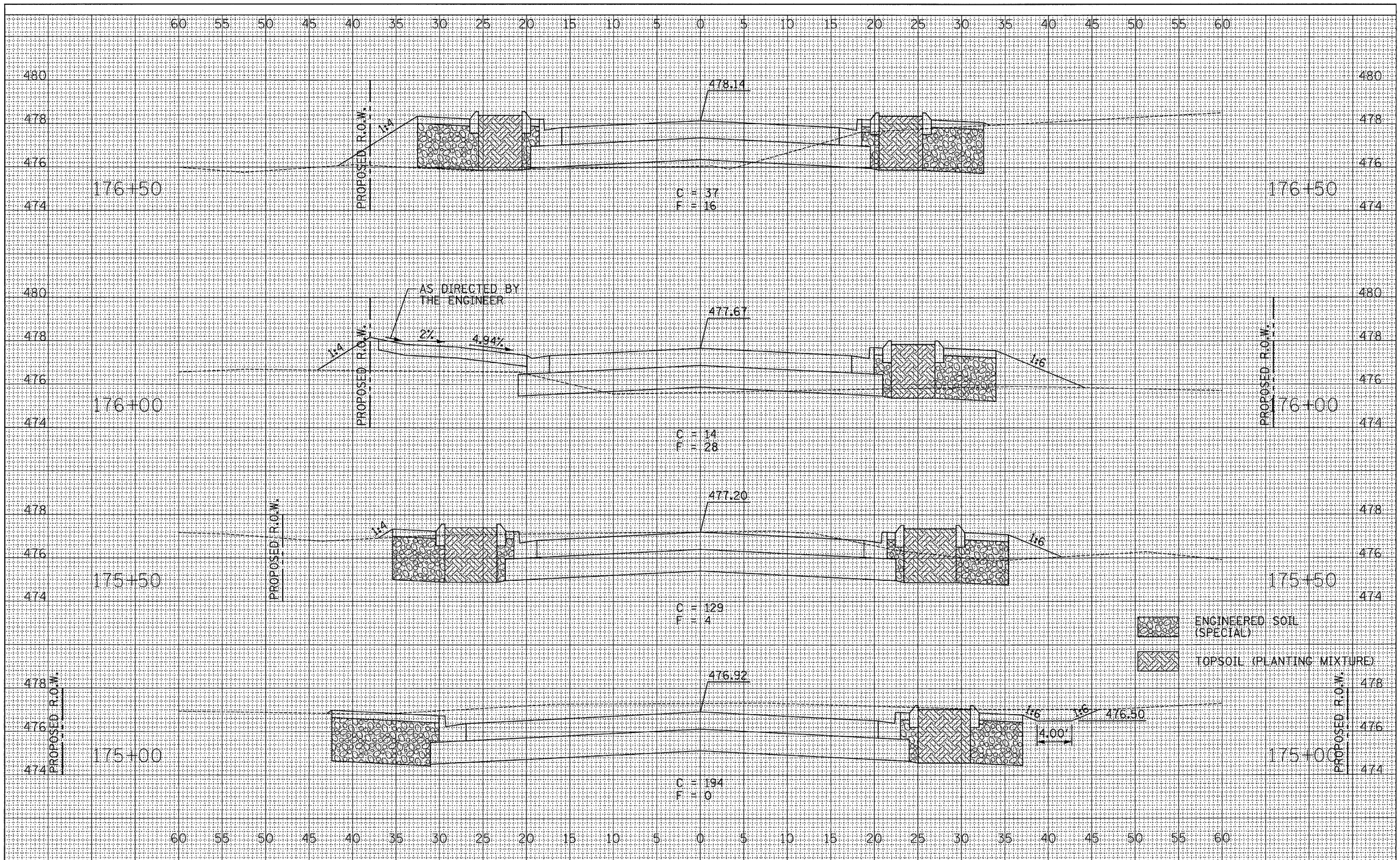
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 172+50 TO STA. 174+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	160
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY — SURVEYED: — PLOTTED: — NOTE BOOK: — NO.: — AREAS: — AREAS CHECKED:

ORIGINAL SURVEY — SURVEYED: CHAMLIN — PLOTTED: CHAMLIN — NOTE BOOK: — NO.: — AREAS: — AREAS CHECKED: — DATE: 09/04

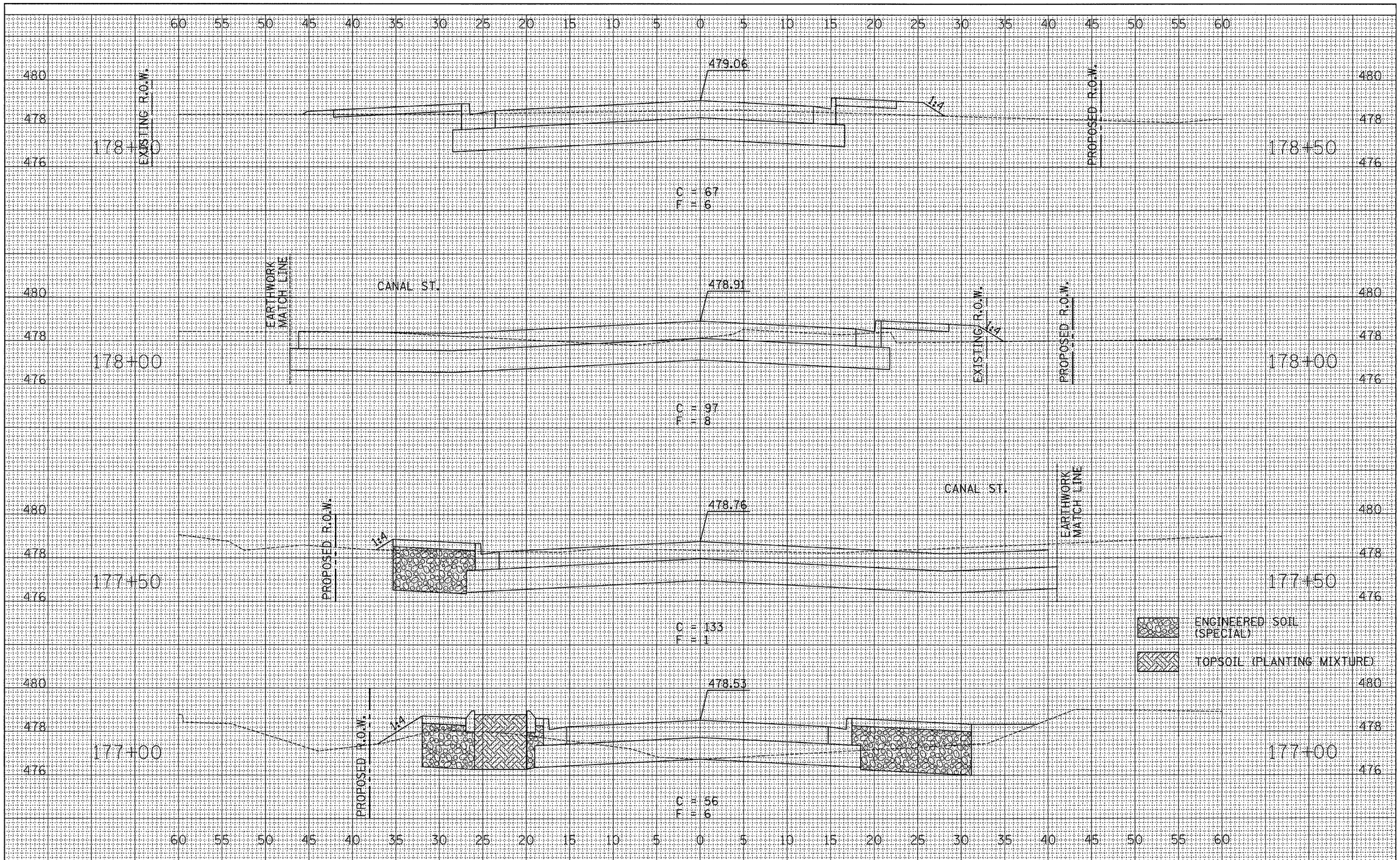
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 175+00 TO STA. 176+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	161
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

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

BY: CHAMLIN CHAMLIN — DATE: 08/04 09/04

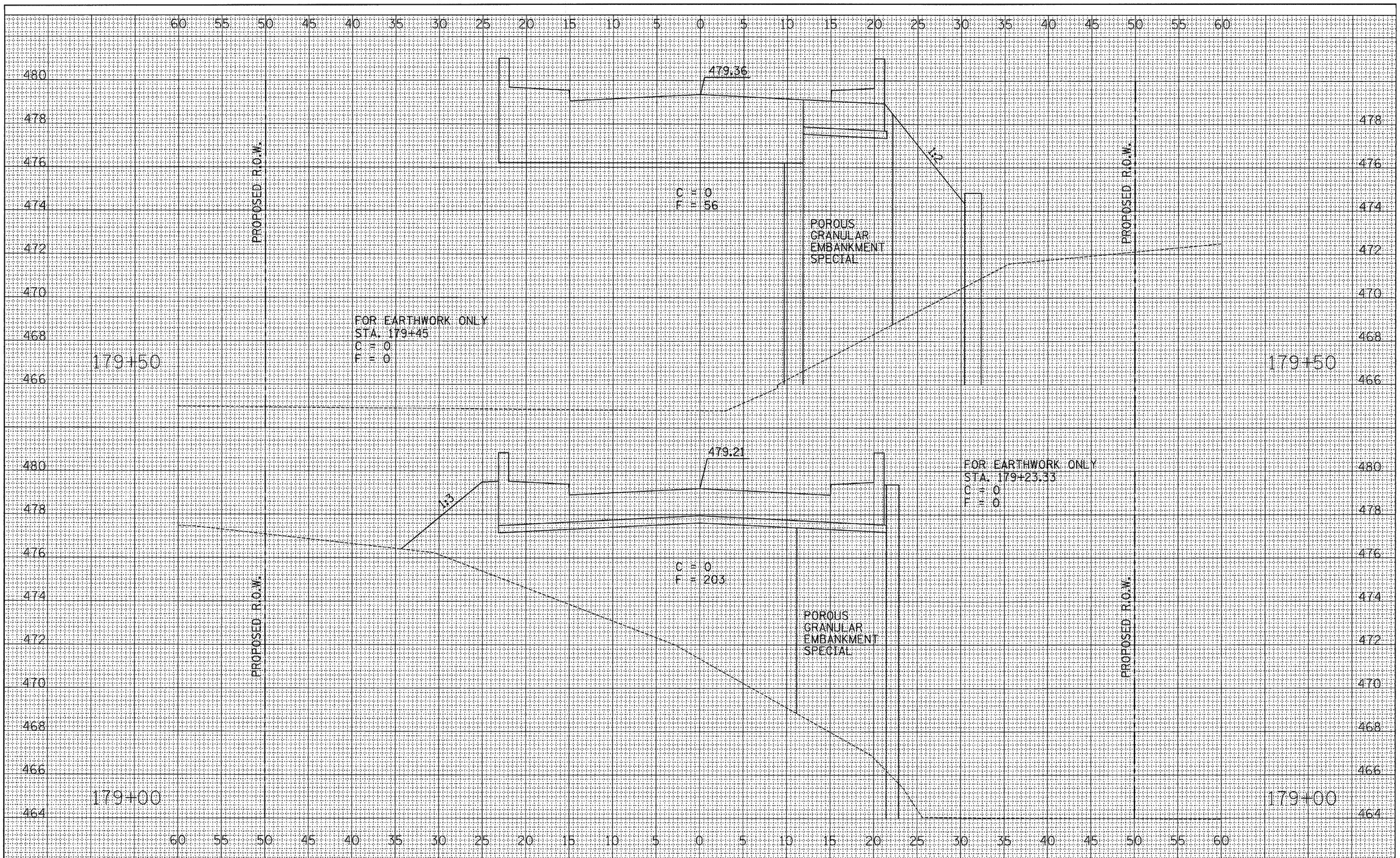
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 177+00 TO STA. 178+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	162
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

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

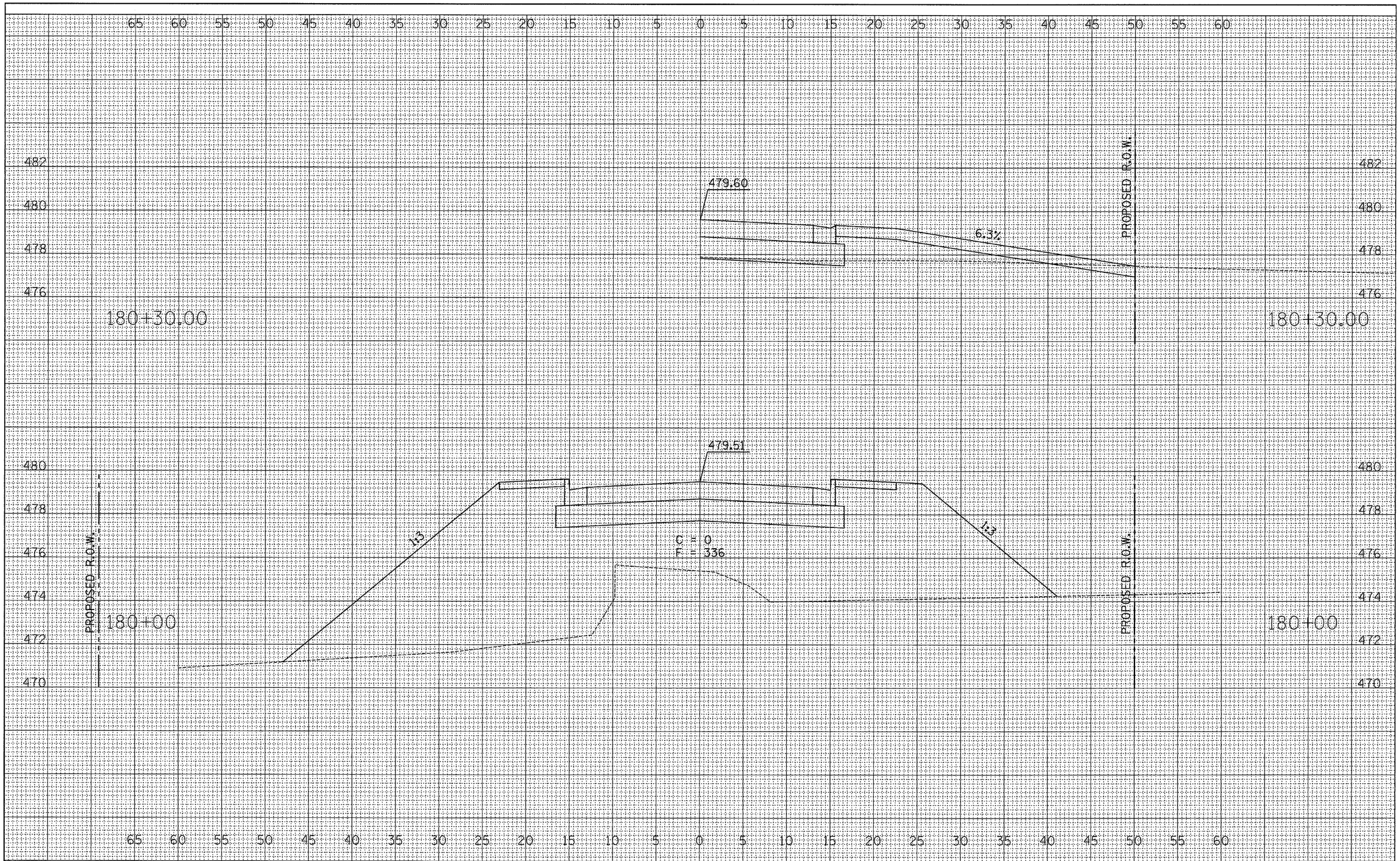
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 179+00 TO STA. 179+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	163
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY NOTE BOOK NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
DATE
BY
CHANGE IN
CHANGE IN
08/04
ORIGINAL SURVEY NOTE BOOK NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

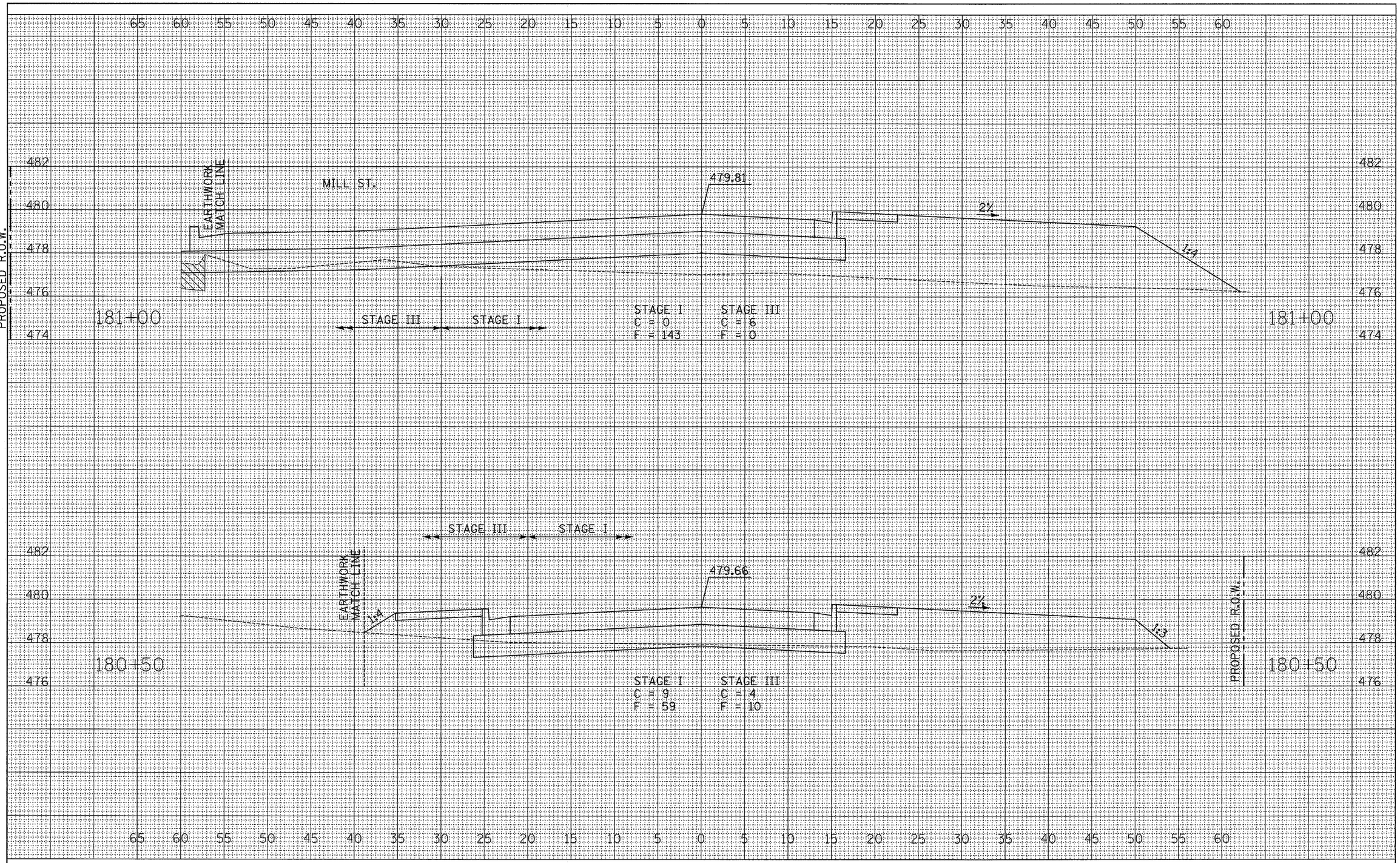
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 180+00 TO STA. 181+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	164
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED CHAMLIN 09/04 — PLOTTED CHAMLIN — TEMPLATE — AREAS — CHECKED — UNITS

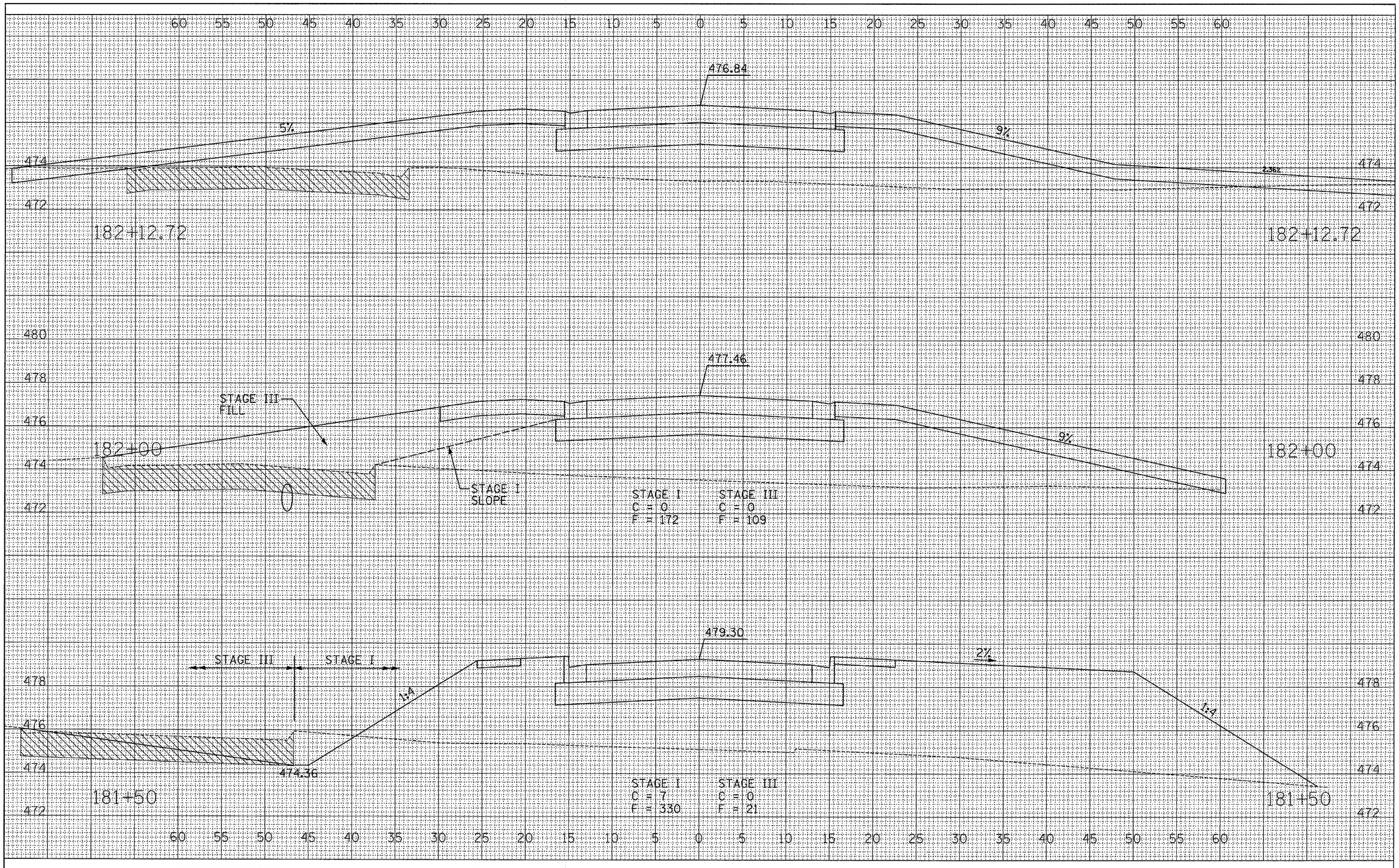
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 180+00 TO STA. 181+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	165
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — DRAWN — CHAMLIN — CHAMLIN — 08/24

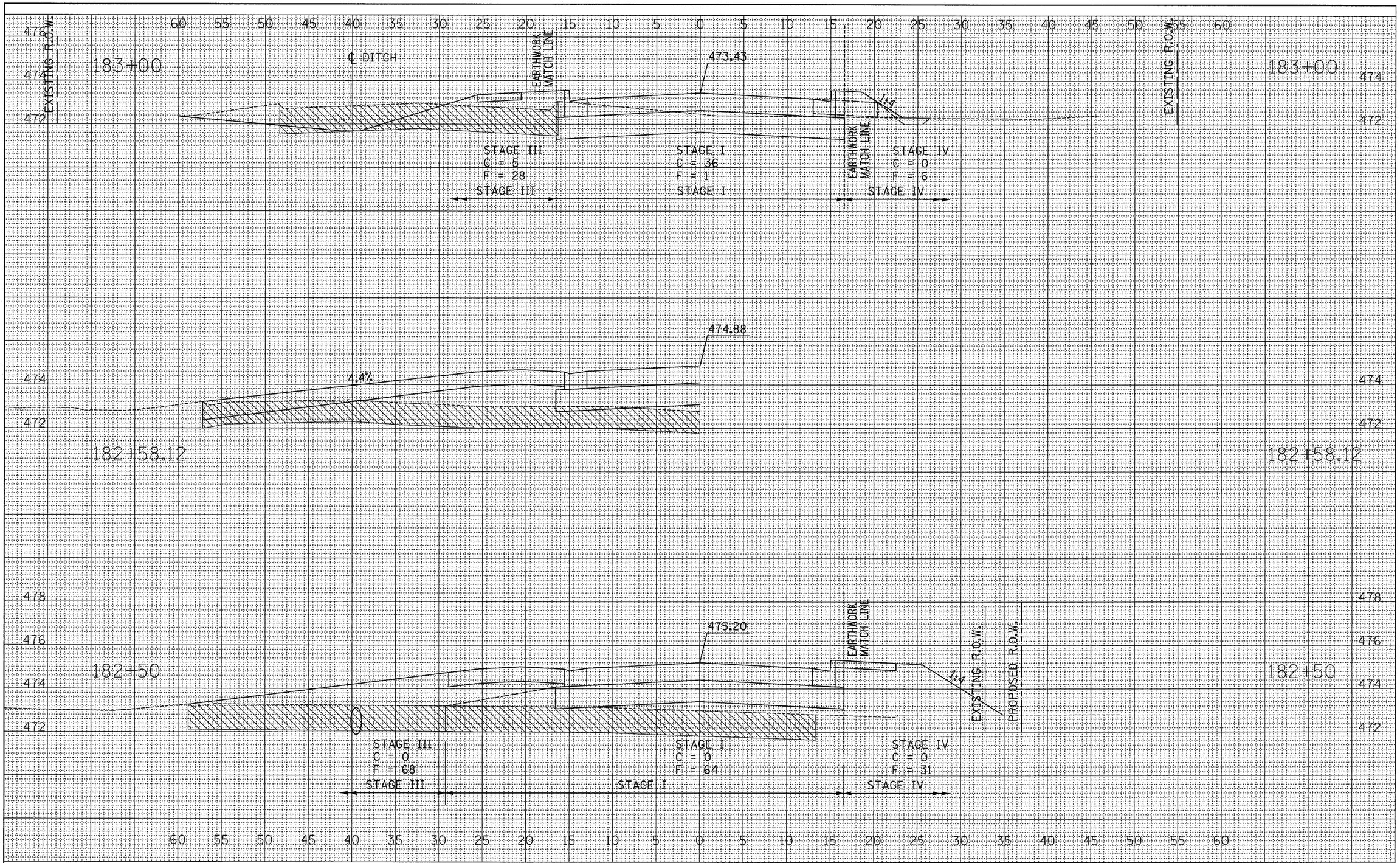
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 181+50 TO STA. 183+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	166
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

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

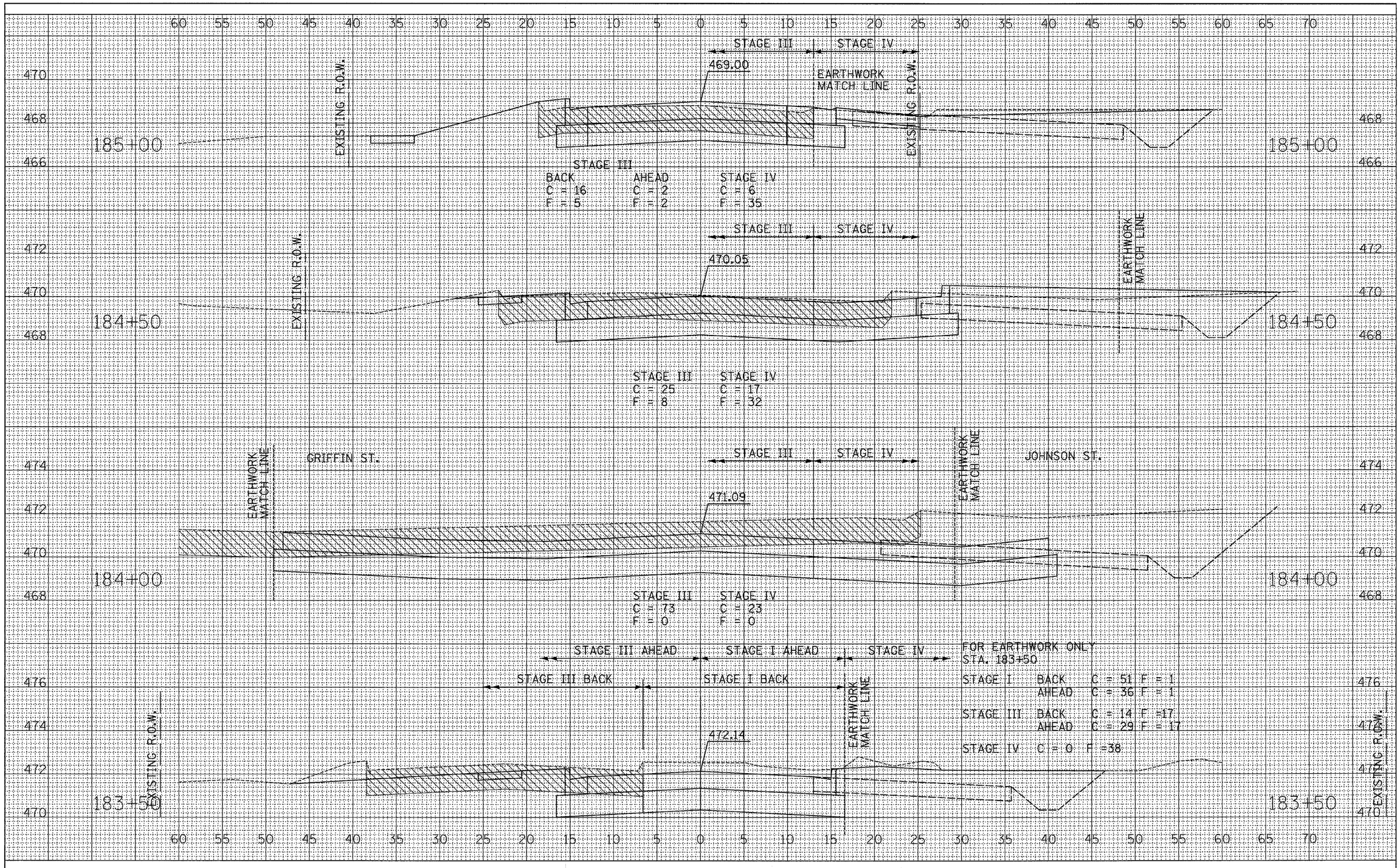
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 181+50 TO STA. 183+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	167
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY — SURVEYED 08/04 — PLOTTED 09/04 — TEMPLATE — NOTE BOOK — AREAS — NO. — AREAS CHECKED — DATE

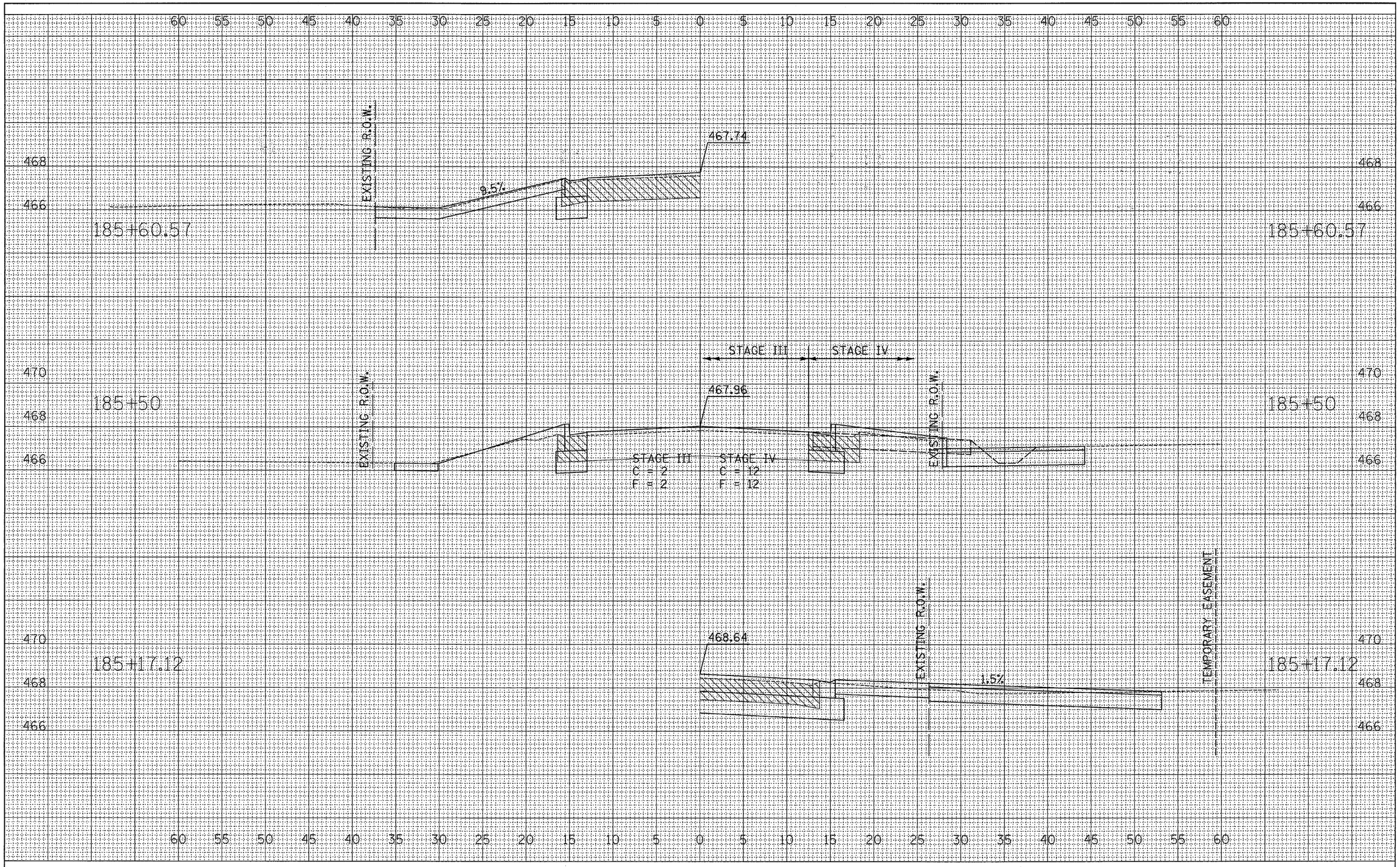
FILE NAME = 0366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 183+50 TO STA. 185+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	168
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
TEMPLATE
AREAS
AREAS CHECKED
NO.
DRAWN
CHANGED
DATE
09/04

FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

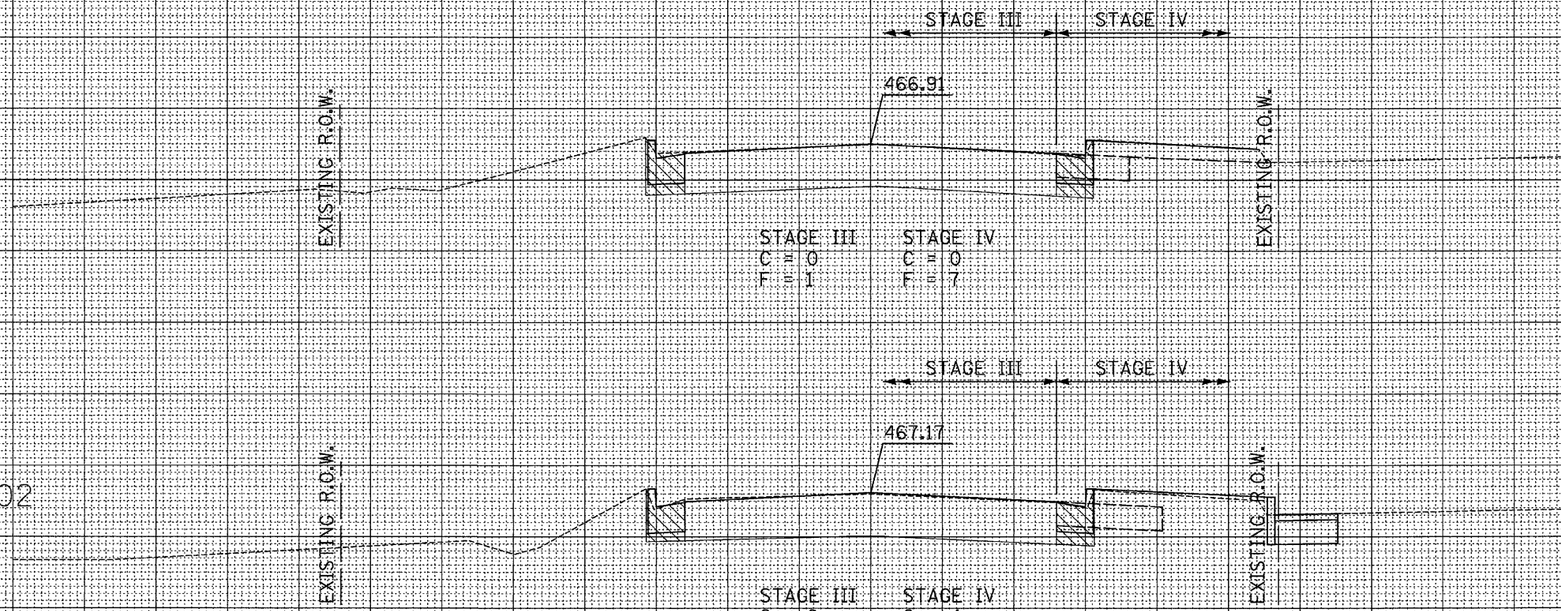
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 185+50 TO STA. 186+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	169
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FOR EARTHWORK ONLY
STA. 186+38.02
C = 0
F = 1



FINAL SURVEY — NOTE BOOK — NO.
SURVEYED — 08/04
PLOTTED — 09/04
TEMPLATE
AREAS
AREAS CHECKED
DRAWN — CHAMLIN
CHECKED — CHAMLIN
DATE

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

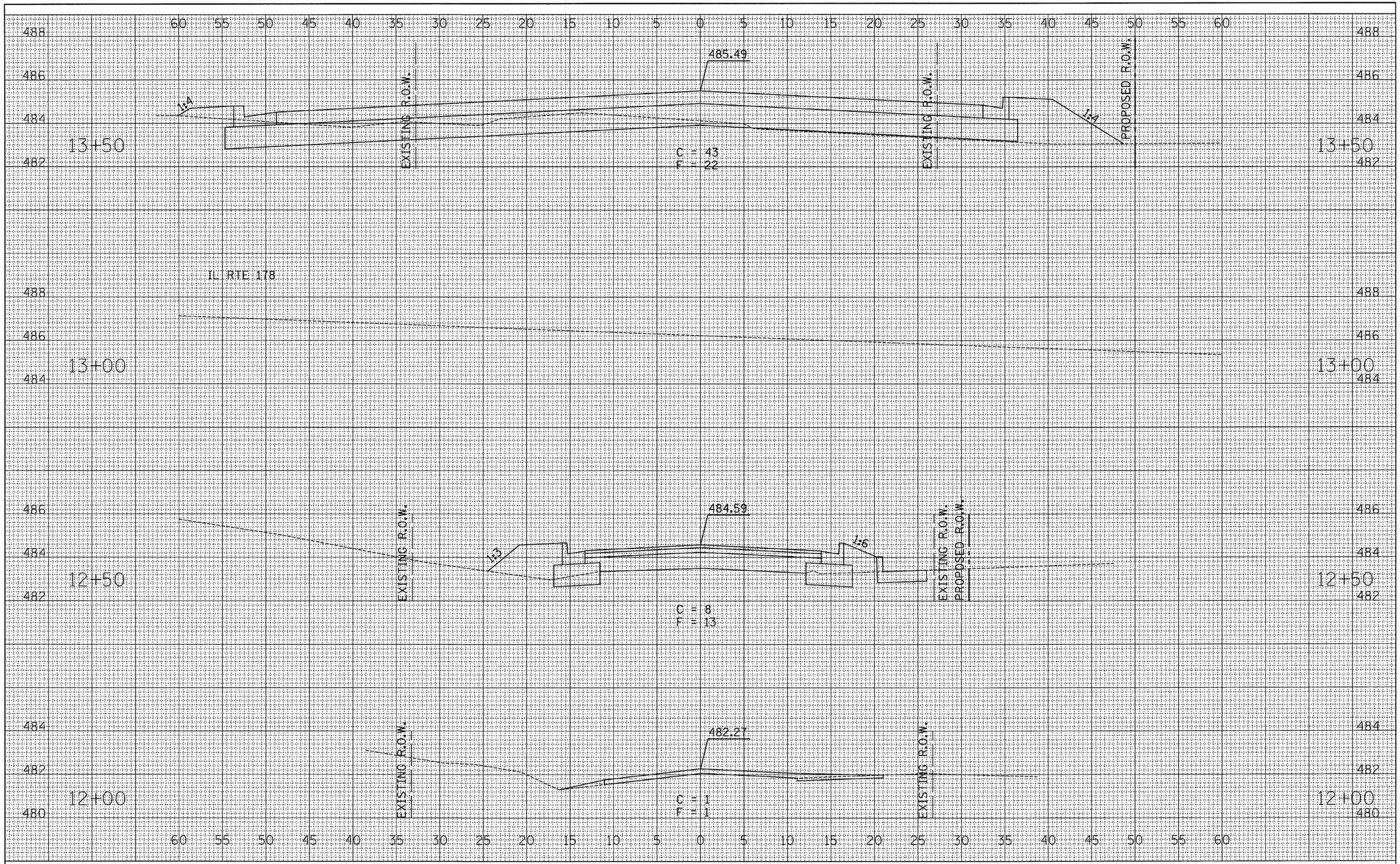
FILE NAME = 0366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 178 (RELOCATED)

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 185+50 TO STA. 186+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	170
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED 08/04 — PLOTTED 09/04 — TEMPLATE — AREAS — AREAS CHECKED

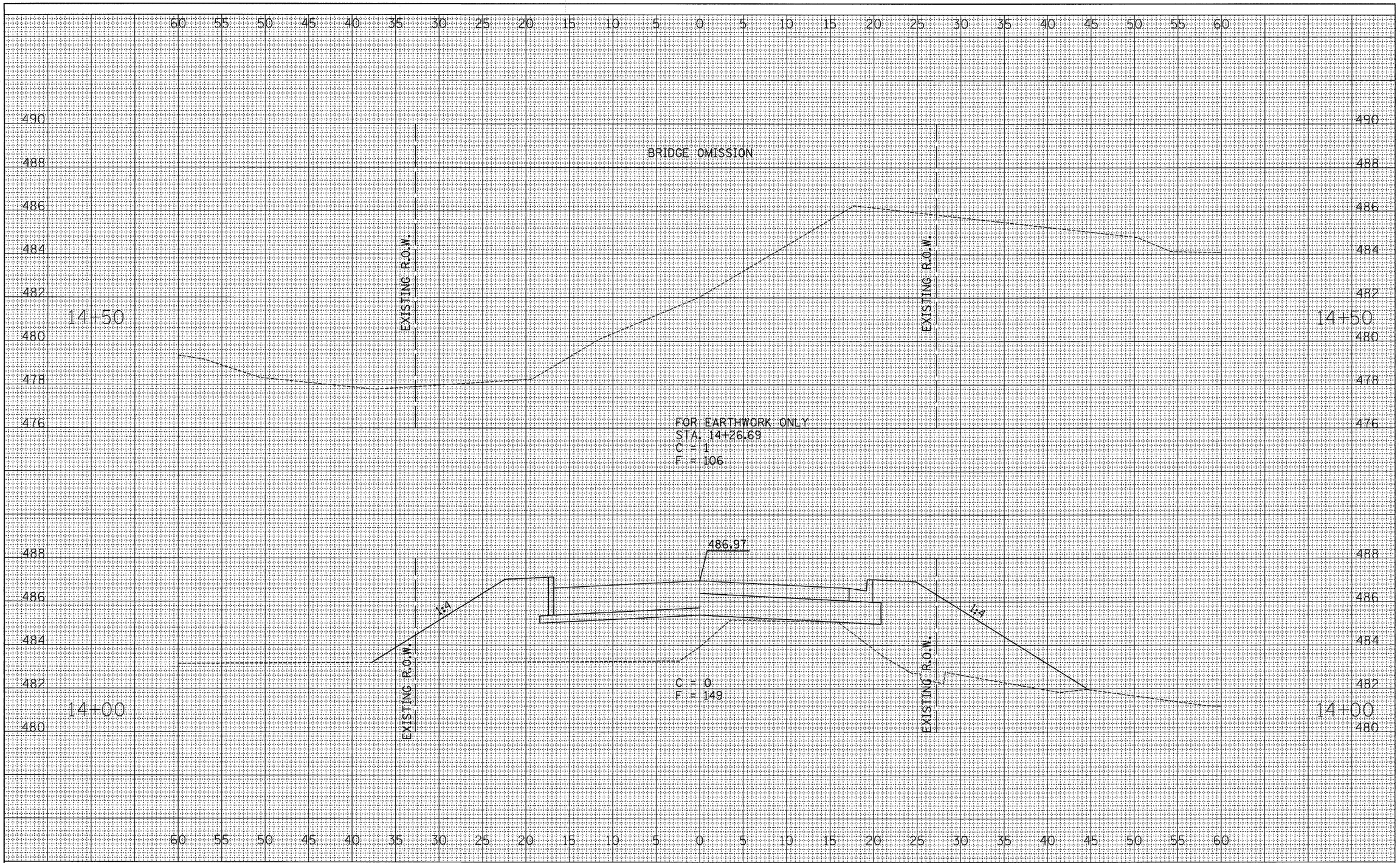
FILE NAME = 0366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINCOLN STREET

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 12+00 TO STA. 13+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	171
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED JKC 08/04
PLOTTED JWH 09/04
TEMPLATE CHAMLIN
AREAS CHAMLIN
AREAS CHECKED

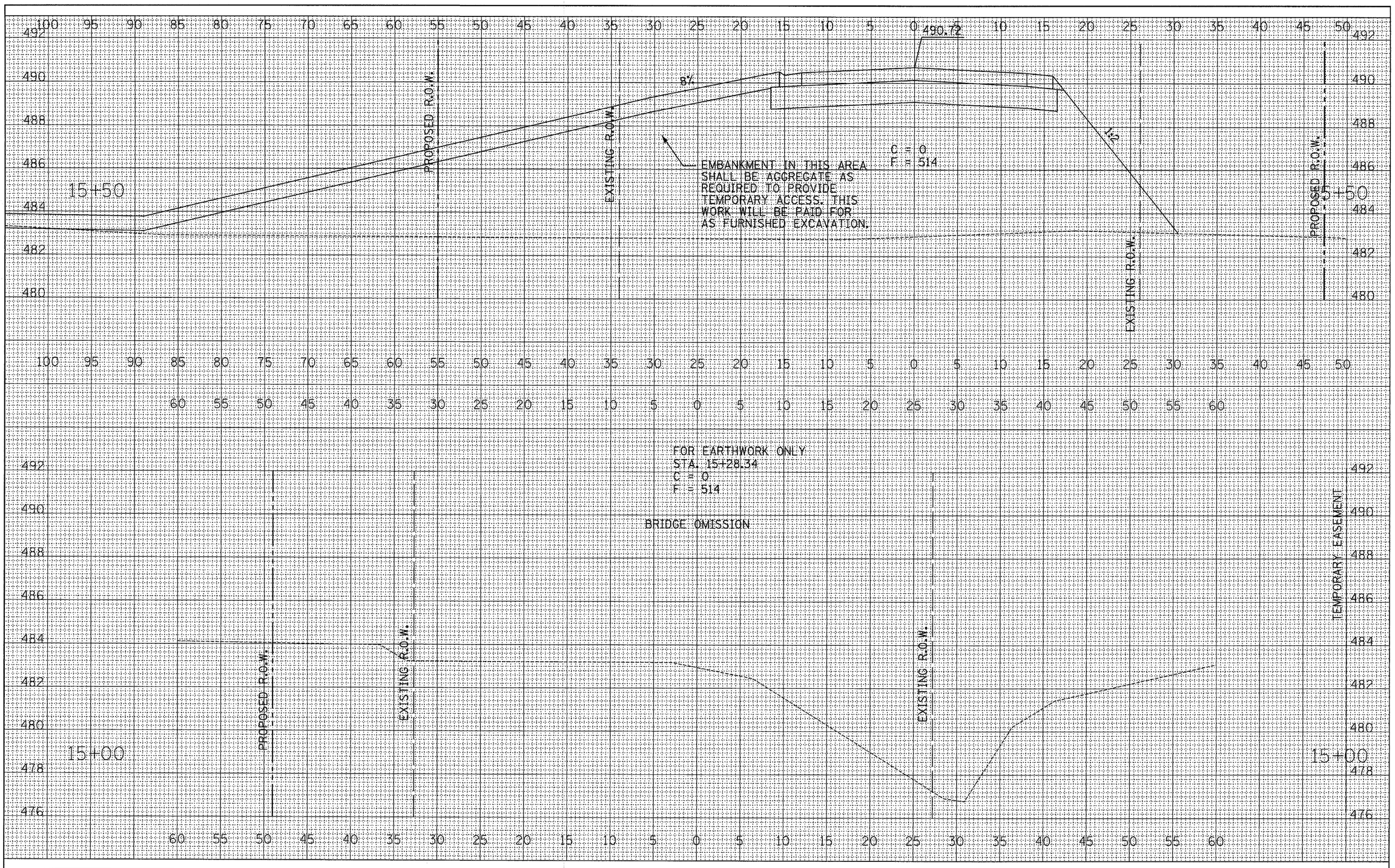
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINCOLN STREET

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 14+00 TO STA. 14+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	172
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED: CHAMLIN 09/04 — PLOTTED: CHAMLIN — TEMPLATE — AREAS — AREAS CHECKED — UNITS

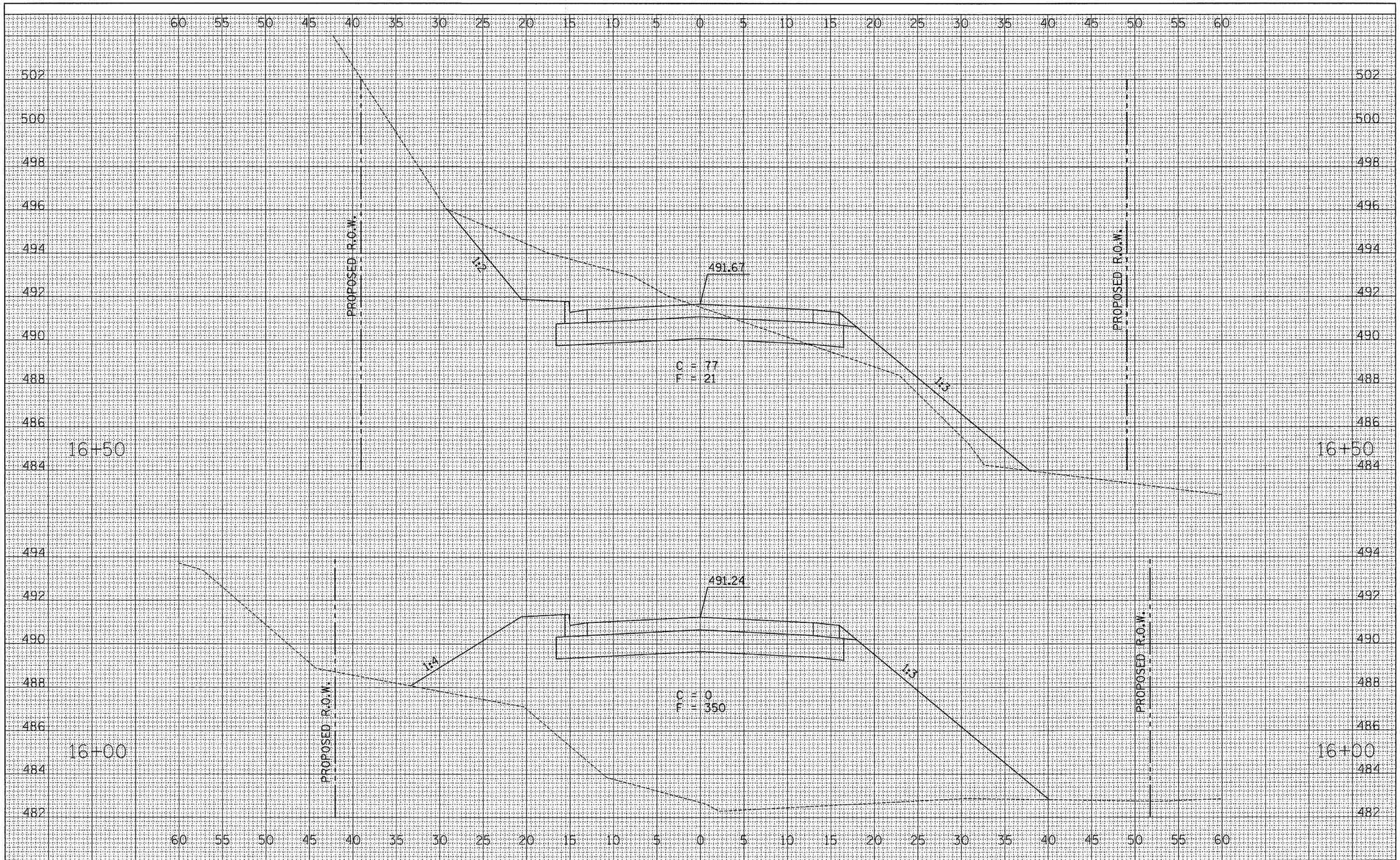
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINCOLN STREET

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 15+00 TO STA. 15+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	173
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED CHAMLIN
PLOTTED CHAMLIN
TEMPLATE
AREAS
AREAS CHECKED
BY CHAMLIN
DATE 08/04

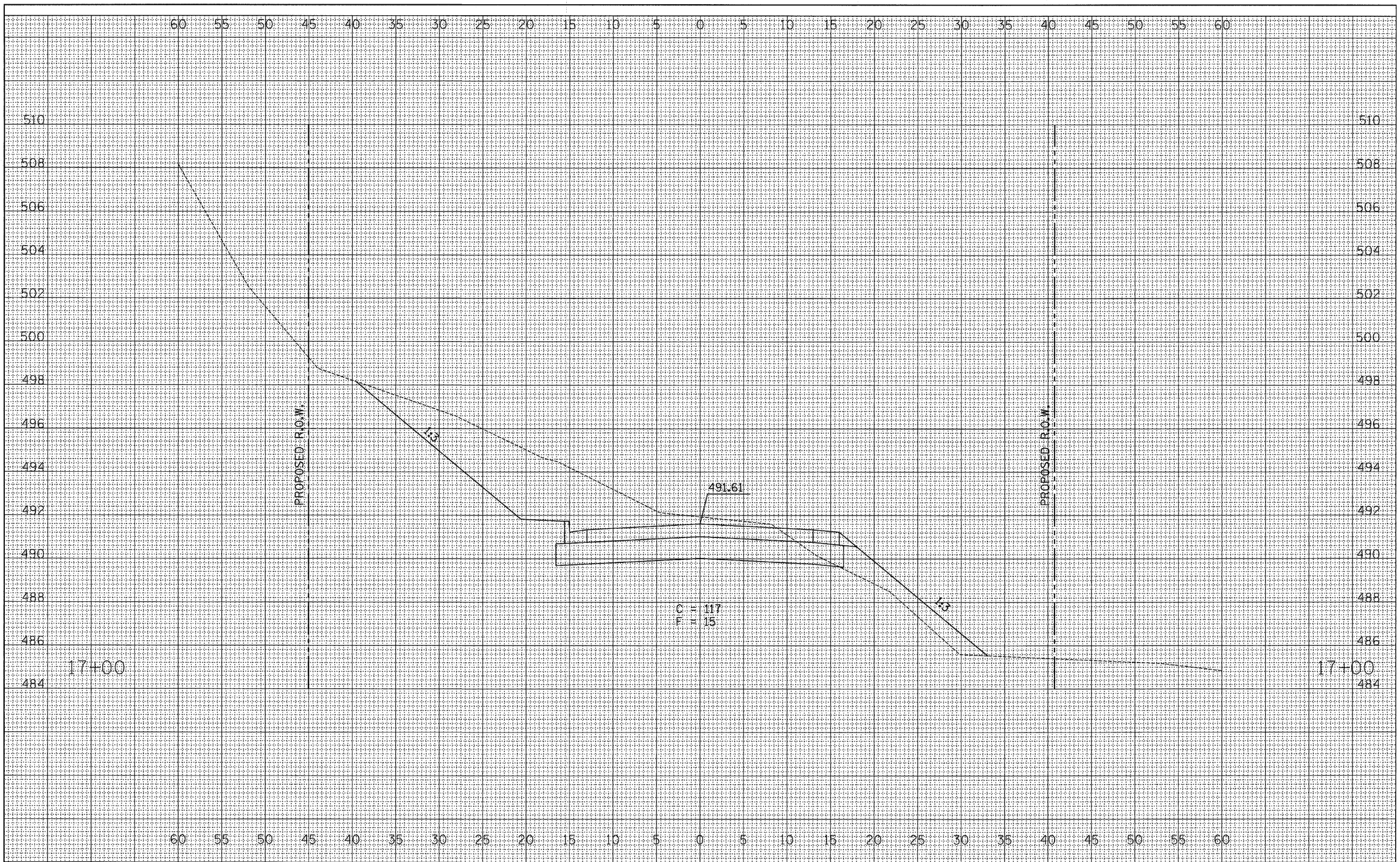
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINCOLN STREET

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 16+00 TO STA. 16+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	174
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

BY CHAM.JN CHAM.JN
DATE 08/04 09/04

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

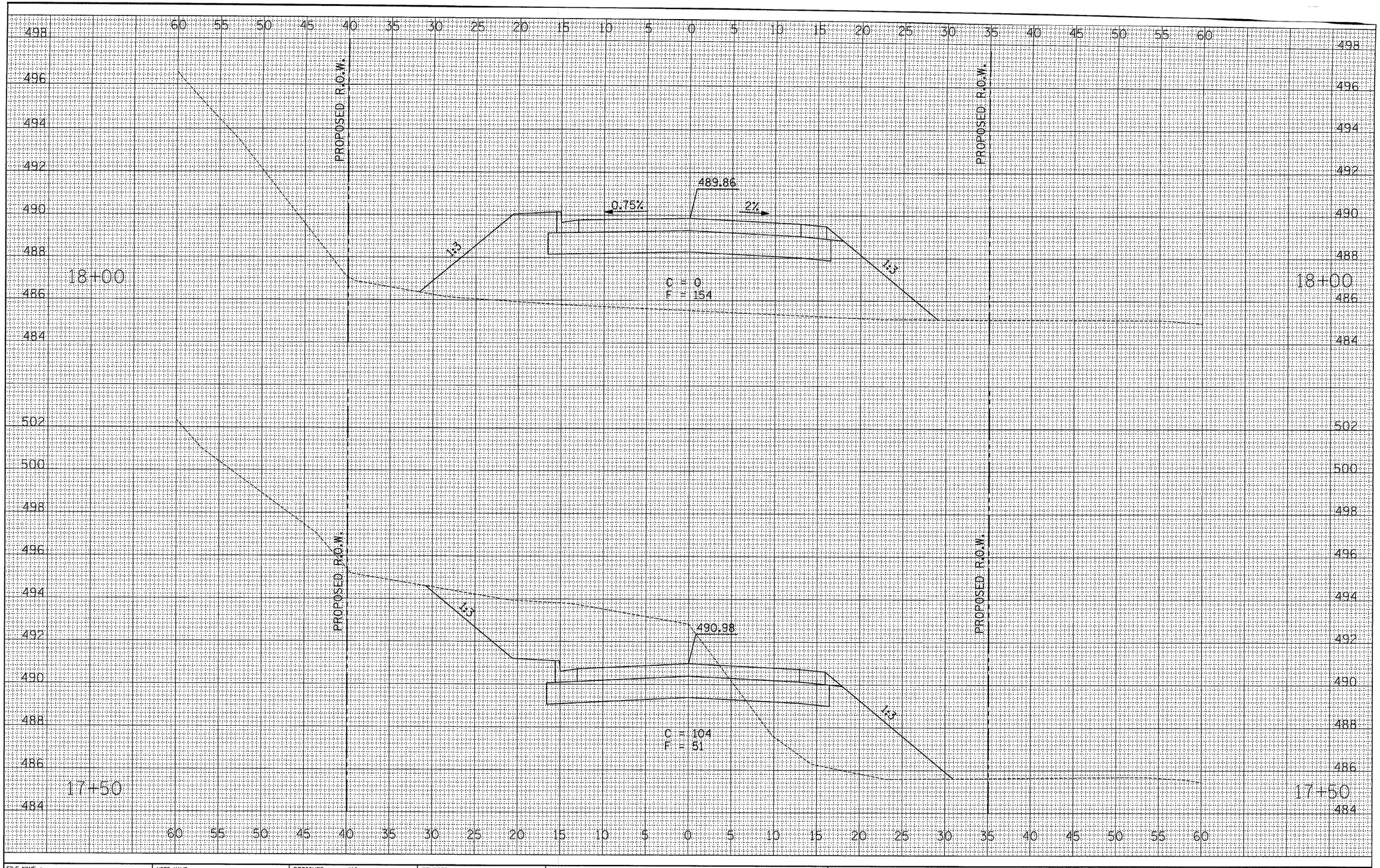
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINCOLN STREET

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 17+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	175
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED CHAMLIN 08/04
PLOTTED CHAMLIN 09/04
TEMPLATE
AREAS
AREAS CHECKED

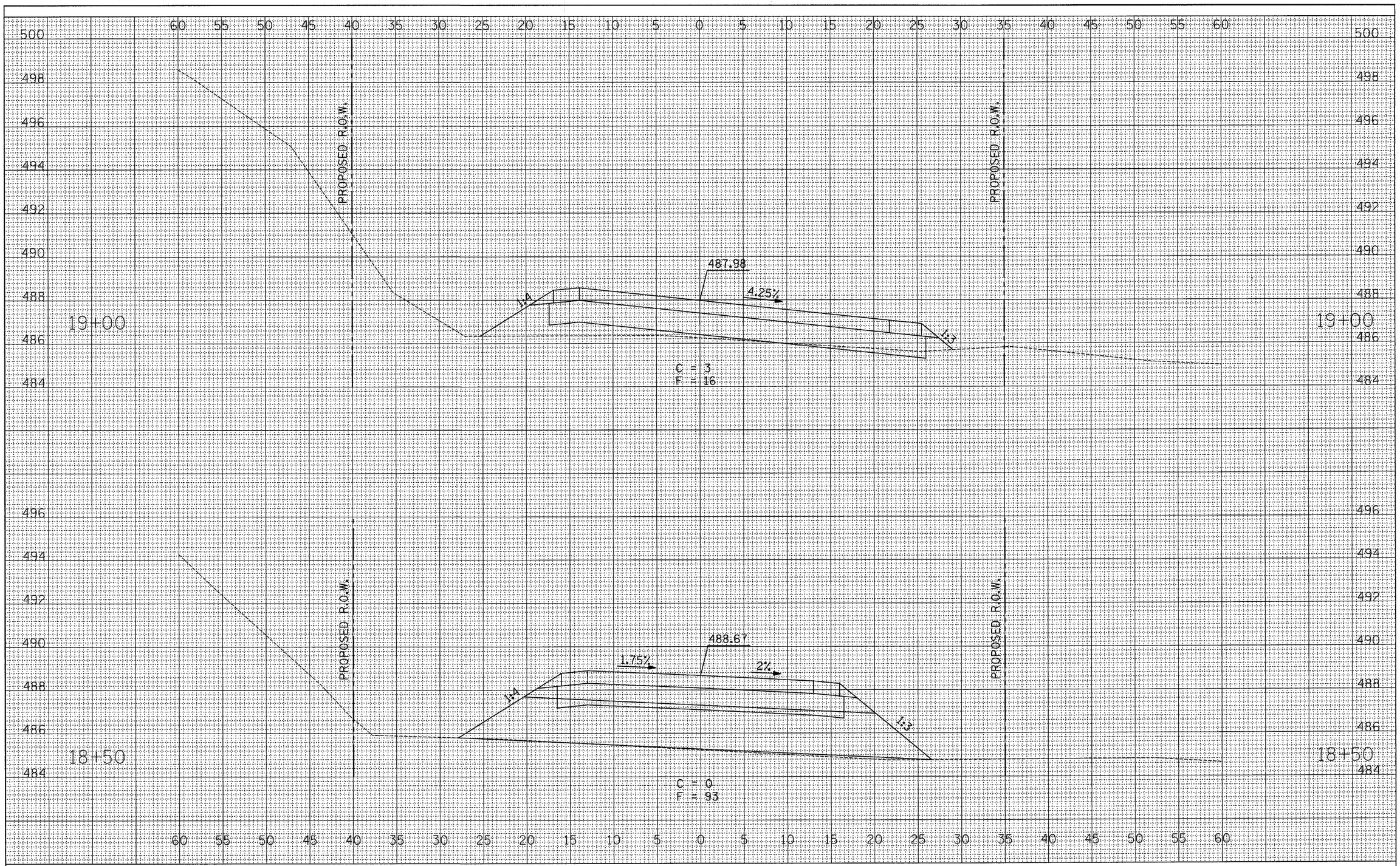
FILE NAME = 0366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINCOLN STREET

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 17+50 TO STA. 18+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	176
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY
NOTE BOOK
NO.

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

U.I.C.
CHAMLIN
08/04

ORIGINAL SURVEY
NOTE BOOK
NO.

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINCOLN STREET

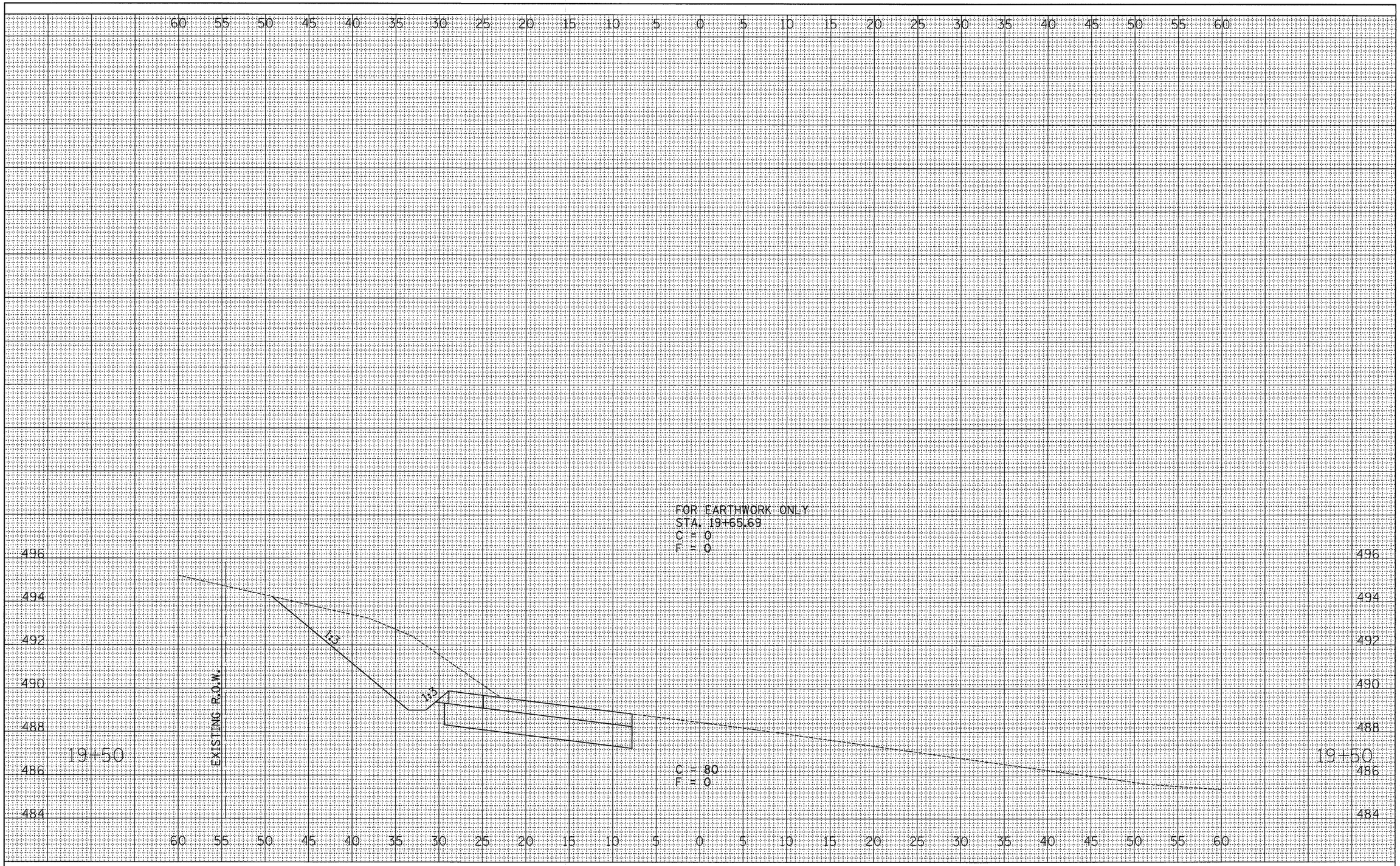
SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 18+50 TO STA. 19+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	177
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

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

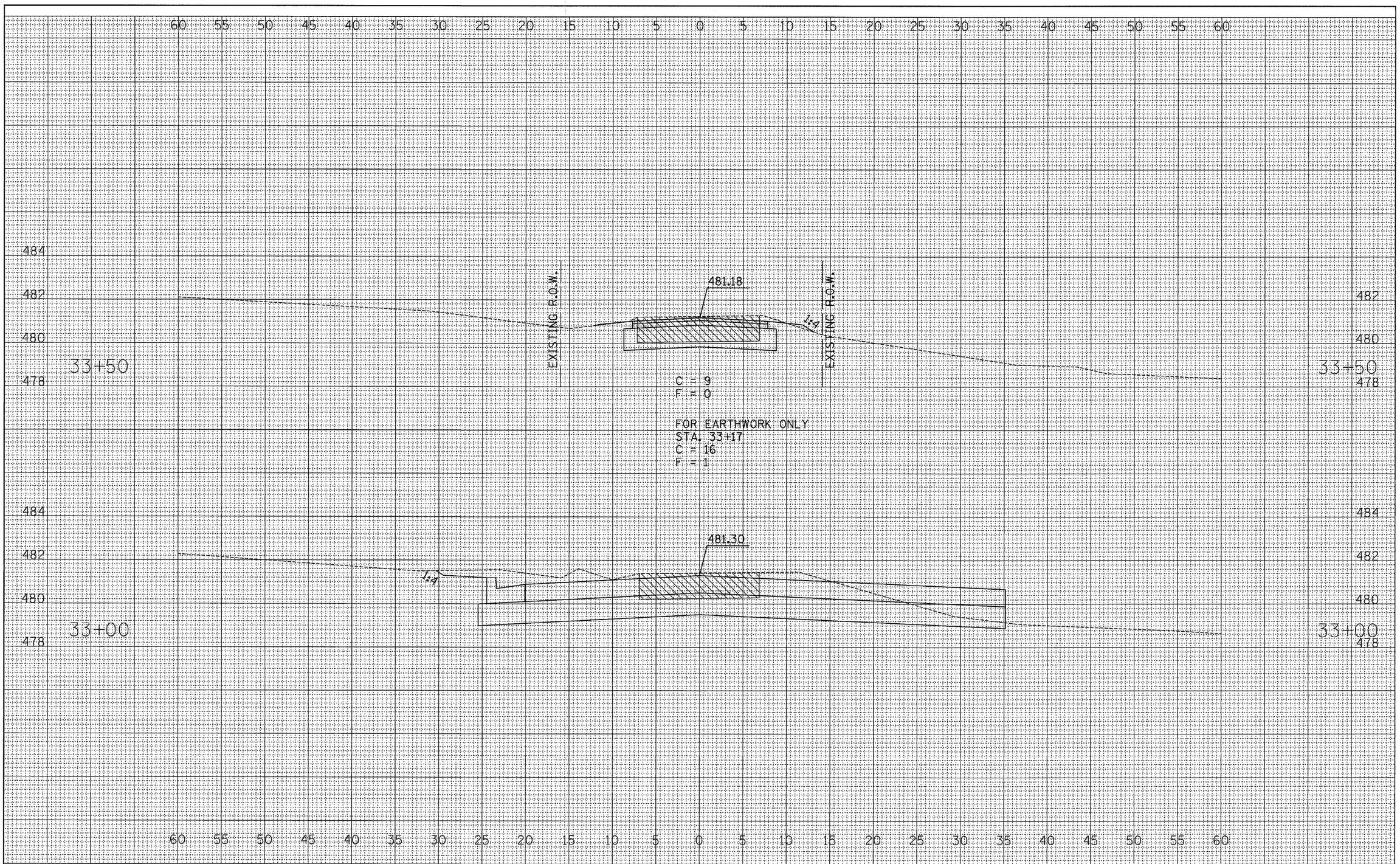
ORIGINAL SURVEY	SURVEYED	BY
	PLOTTED	CHAMLIN
NOTE BOOK	TEMPLATE	CHAMLIN
NO.	AREAS	
	AREAS CHECKED	

REVISION	
09/24	



FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS LINCOLN STREET**
		DRAWN - LAG/NOE	REVISED - ___		
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___		
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___		SCALE: _____ SHEET NO. __ OF ___ SHEETS STA. 19+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	178
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

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

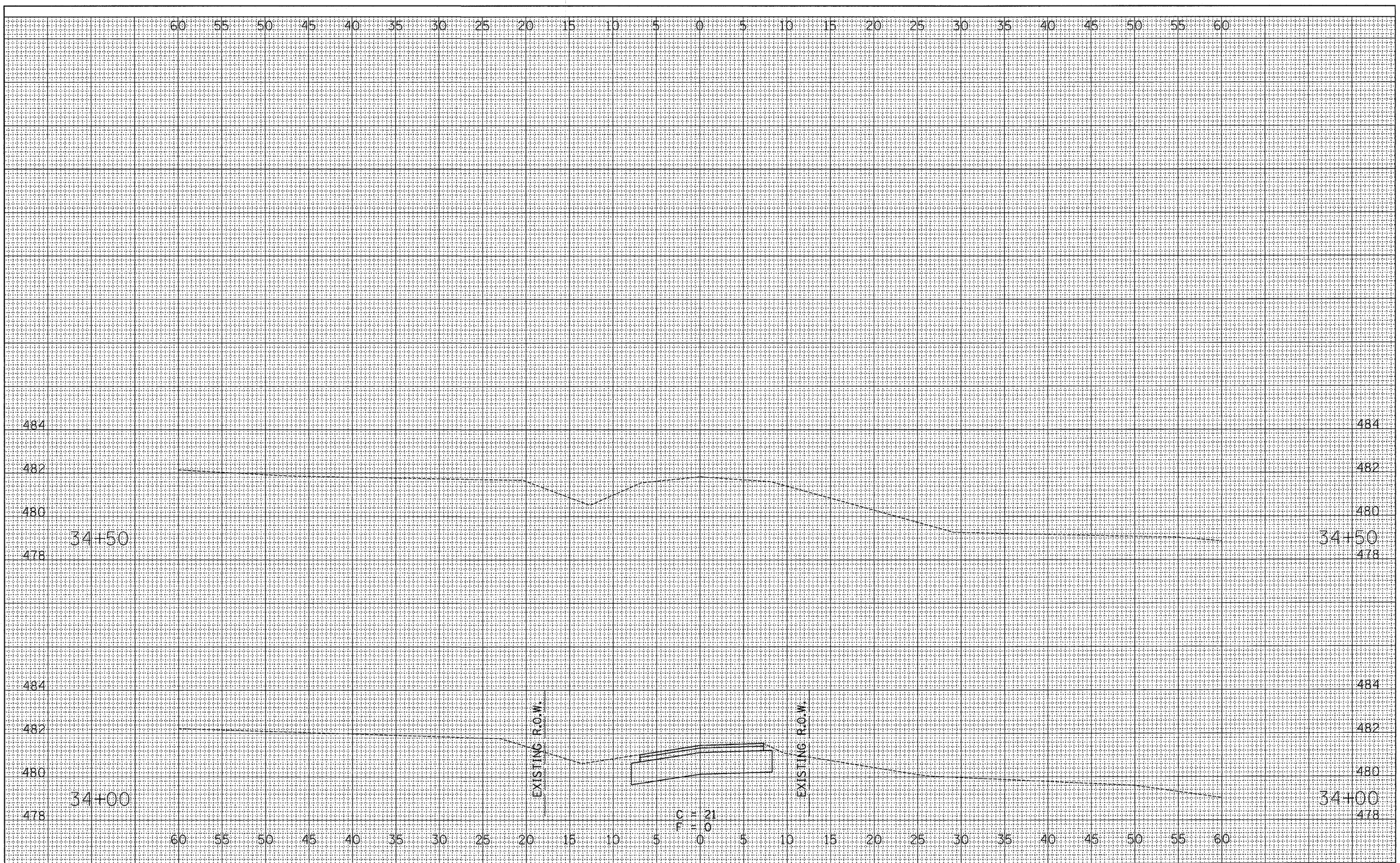
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
GROVE STREET

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 33+00 TO STA. 33+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	179
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY
SURVEYED CHAMLIN 09/04
PLOTTED CHAMLIN
NOTE BOOK
TEMPLATE
AREAS
AREAS CHECKED
NO.
UNITS

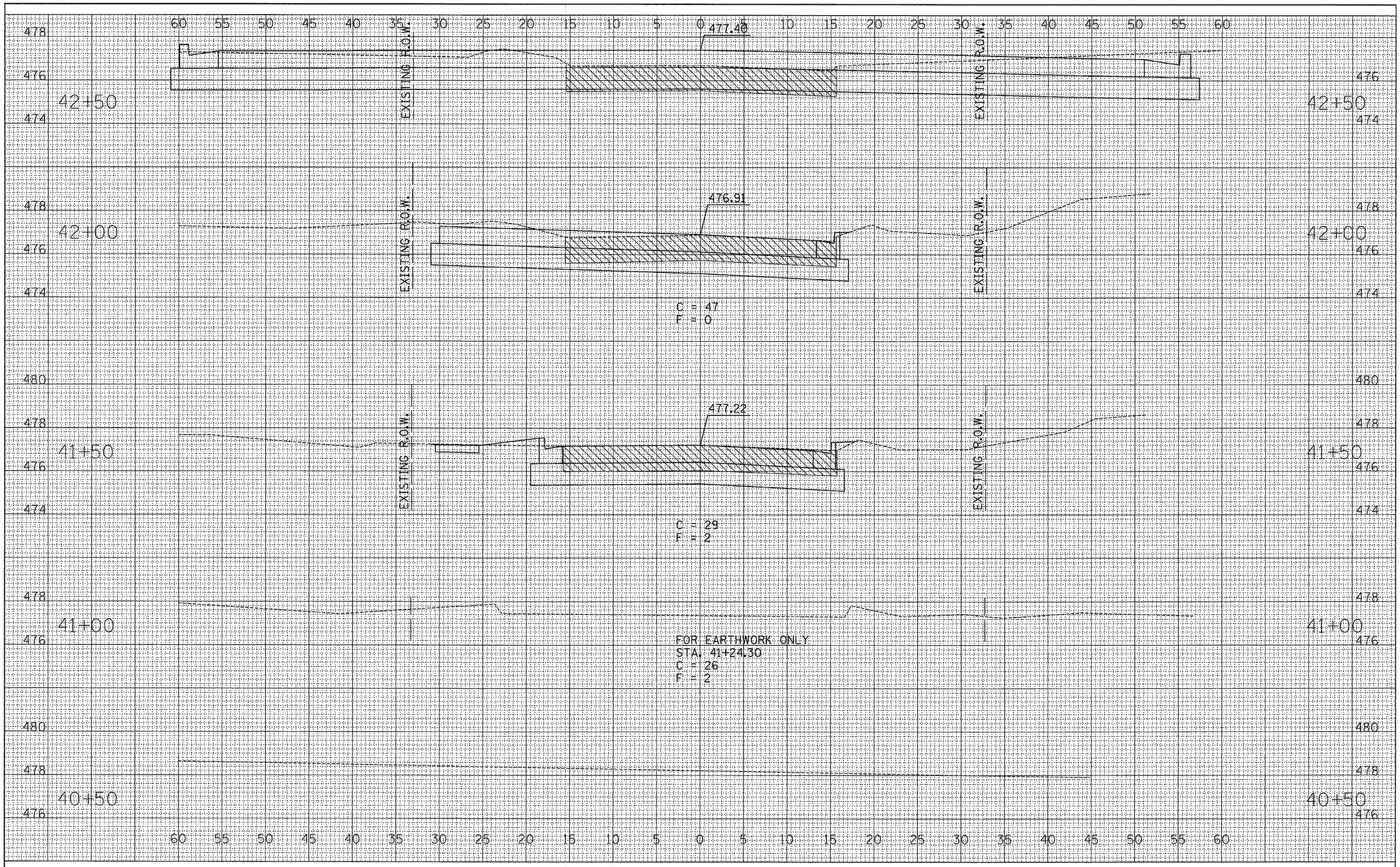
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
GROVE STREET

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 34+00 TO STA. 34+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	180
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY — CHAN.IN / CHAN.IN — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK — NO. — DATA 09/04

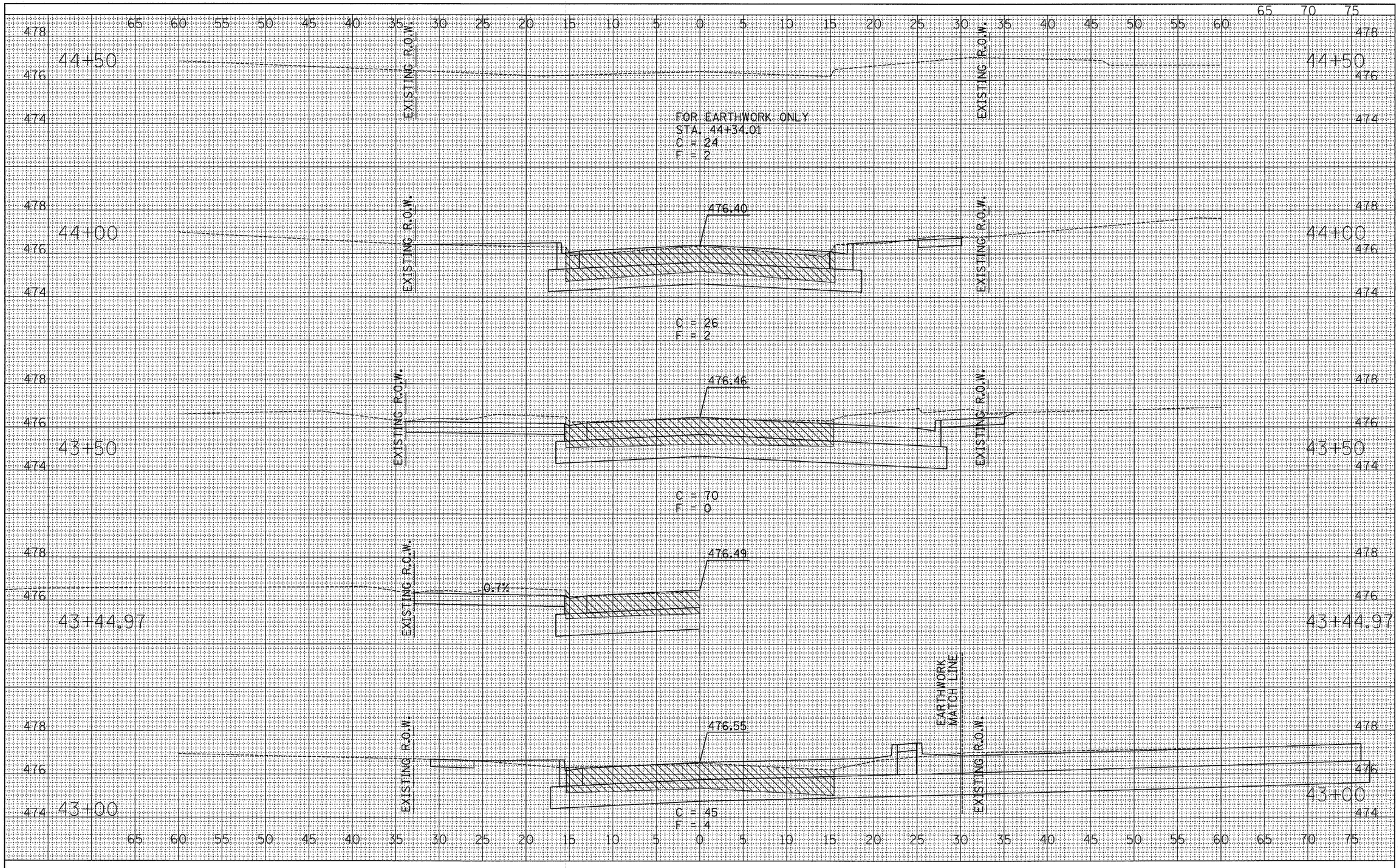
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CHURCH STREET

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 40+50 TO STA. 42+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	181
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY — NOTE BOOK — NO.
SUBMITTED — REVISED — TEMPLATE — AREAS — AREAS CHECKED
BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO.
SUBMITTED — REVISED — TEMPLATE — AREAS — AREAS CHECKED
BY — CHAMLIN — CHAMLIN
DATE — 09/04

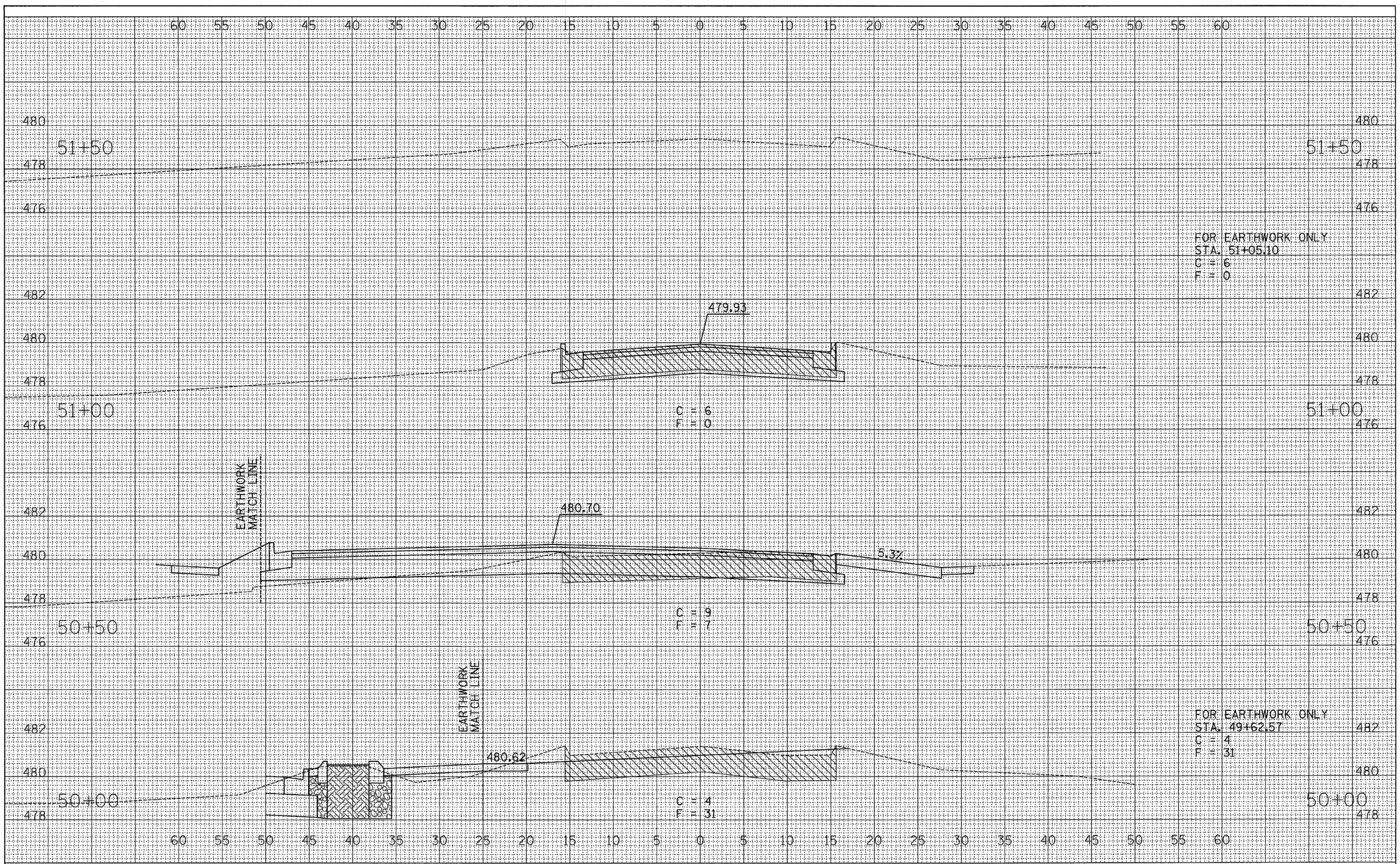
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CHURCH STREET

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 43+00 TO STA. 45+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	182
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

M. CHAMLIN — CHAMLIN — 08/04

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

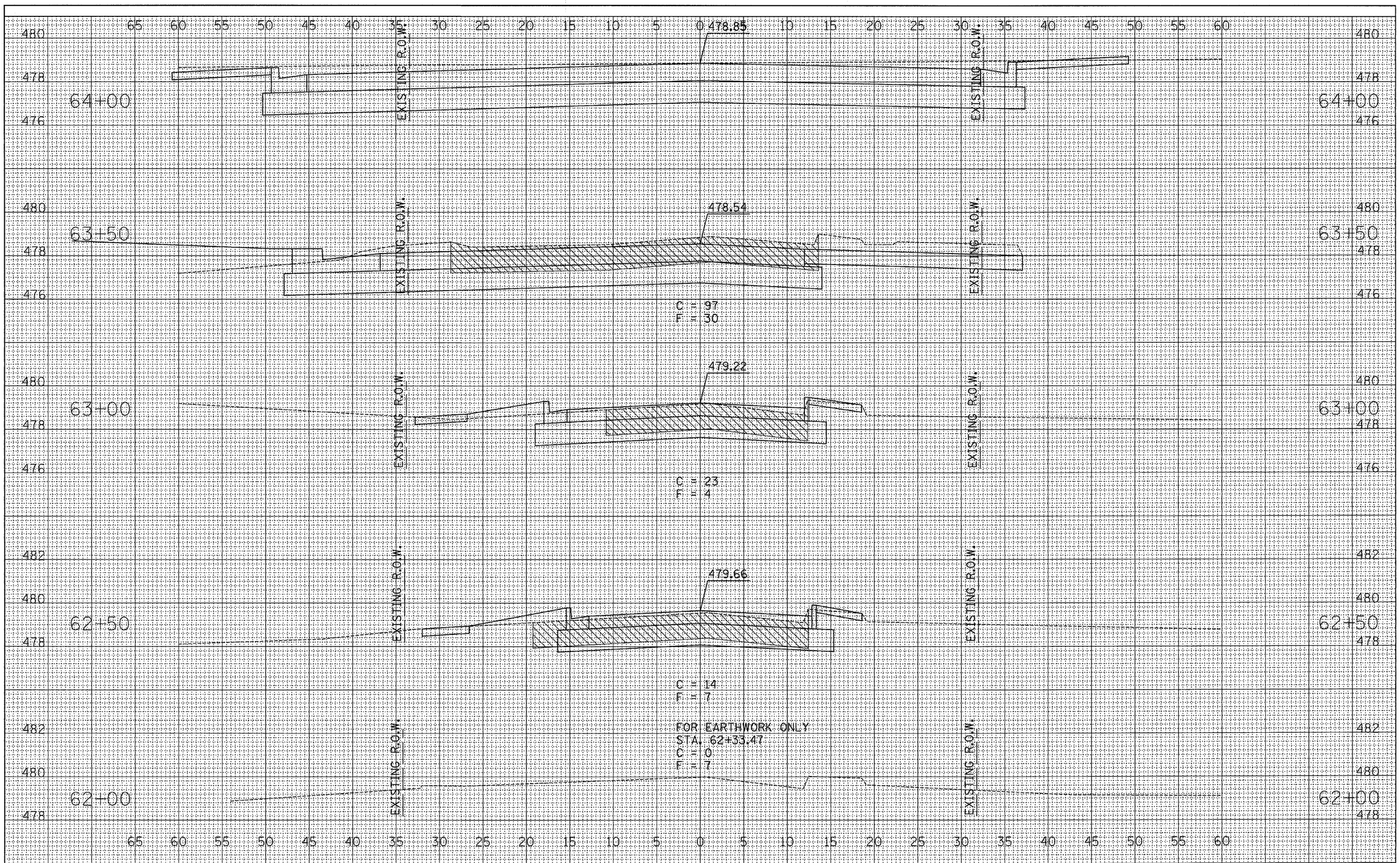
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
DIVISION STREET

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 50+00 TO STA. 51+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	183
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — DATE — JAM — CHAMLIN — 09/04

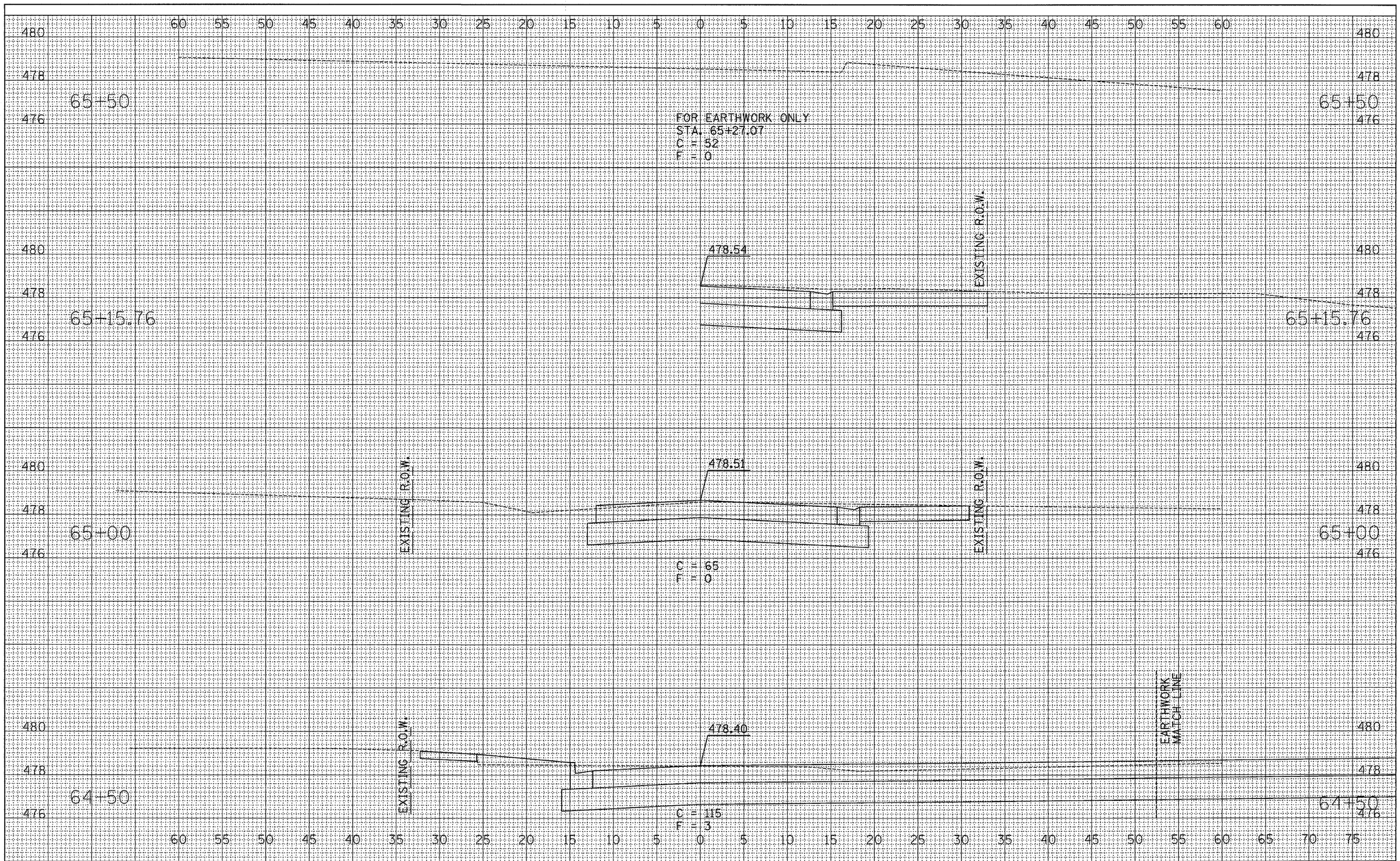
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CANAL STREET

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 62+00 TO STA. 64+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	184
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED JAMALIN 08/04
PLOTTED CHAMLIN 09/04
TEMPLATE
AREAS
AREAS CHECKED

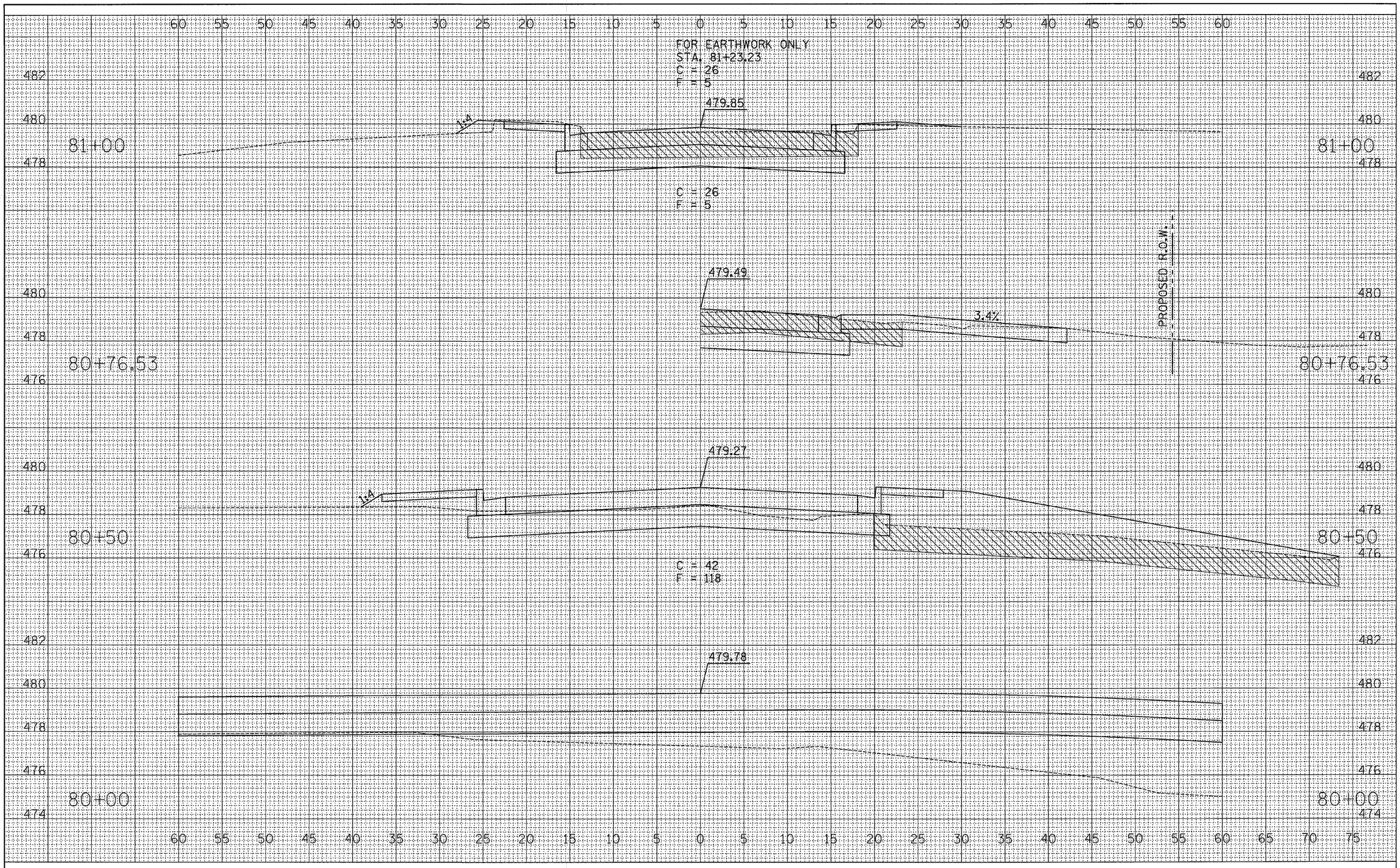
FILE NAME = 0366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NDE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CANAL STREET

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 64+50 TO STA. 66+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	185
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY

SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NOTE BOOK	
NO.	

ORIGINAL SURVEY

SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NOTE BOOK	
NO.	

BY	CHAMLIN	CHAMLIN
DATE	09/04	09/04

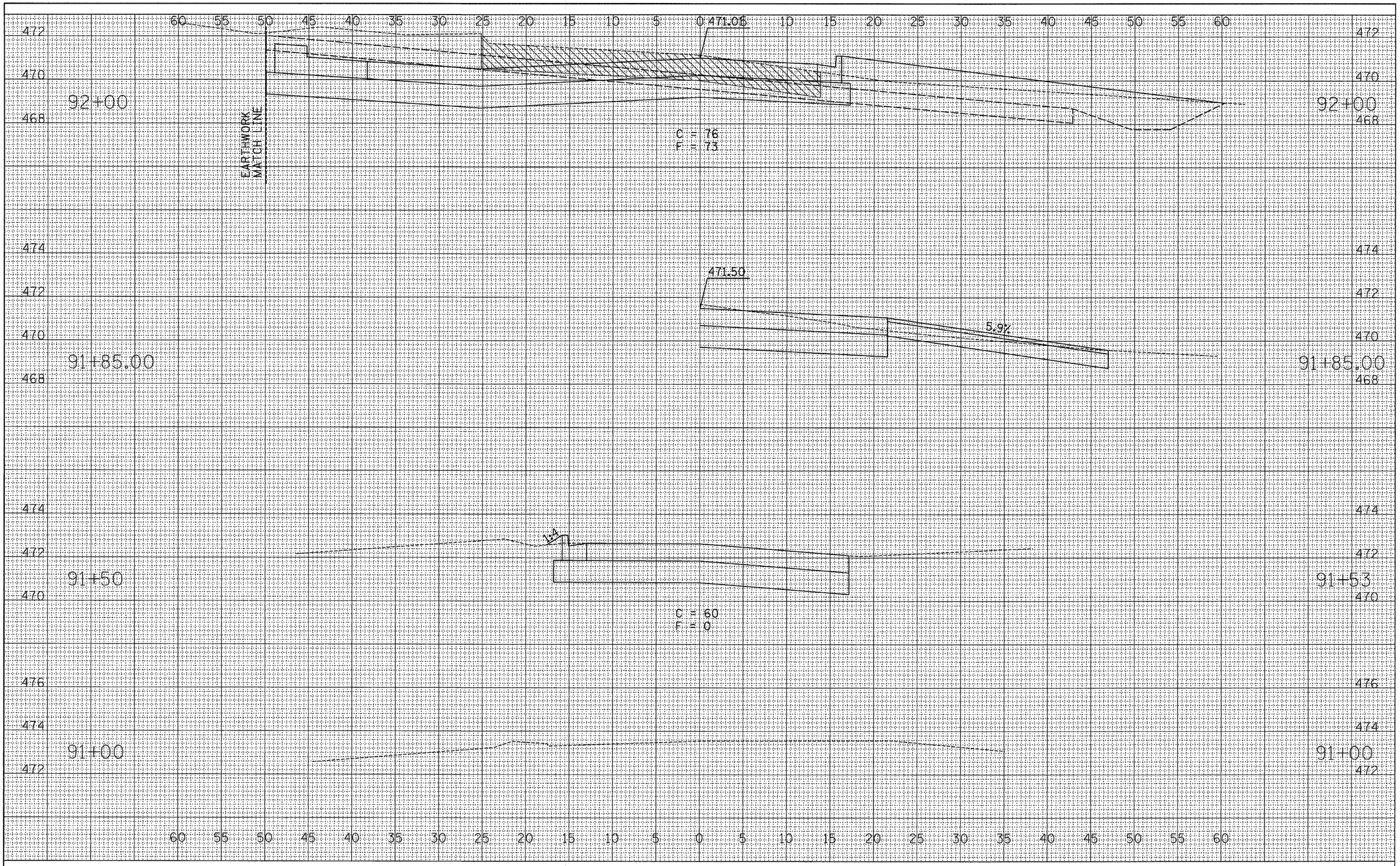
FILE NAME =	USER NAME = ---	DESIGNED - JKC	REVISED - ___
D366547-SHT-XSSHT-7-13-05.DGN		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
MILL STREET

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 80+00 TO STA. 81+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	186
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

AM CHAMLIN 08/04
CHAMLIN 09/04

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

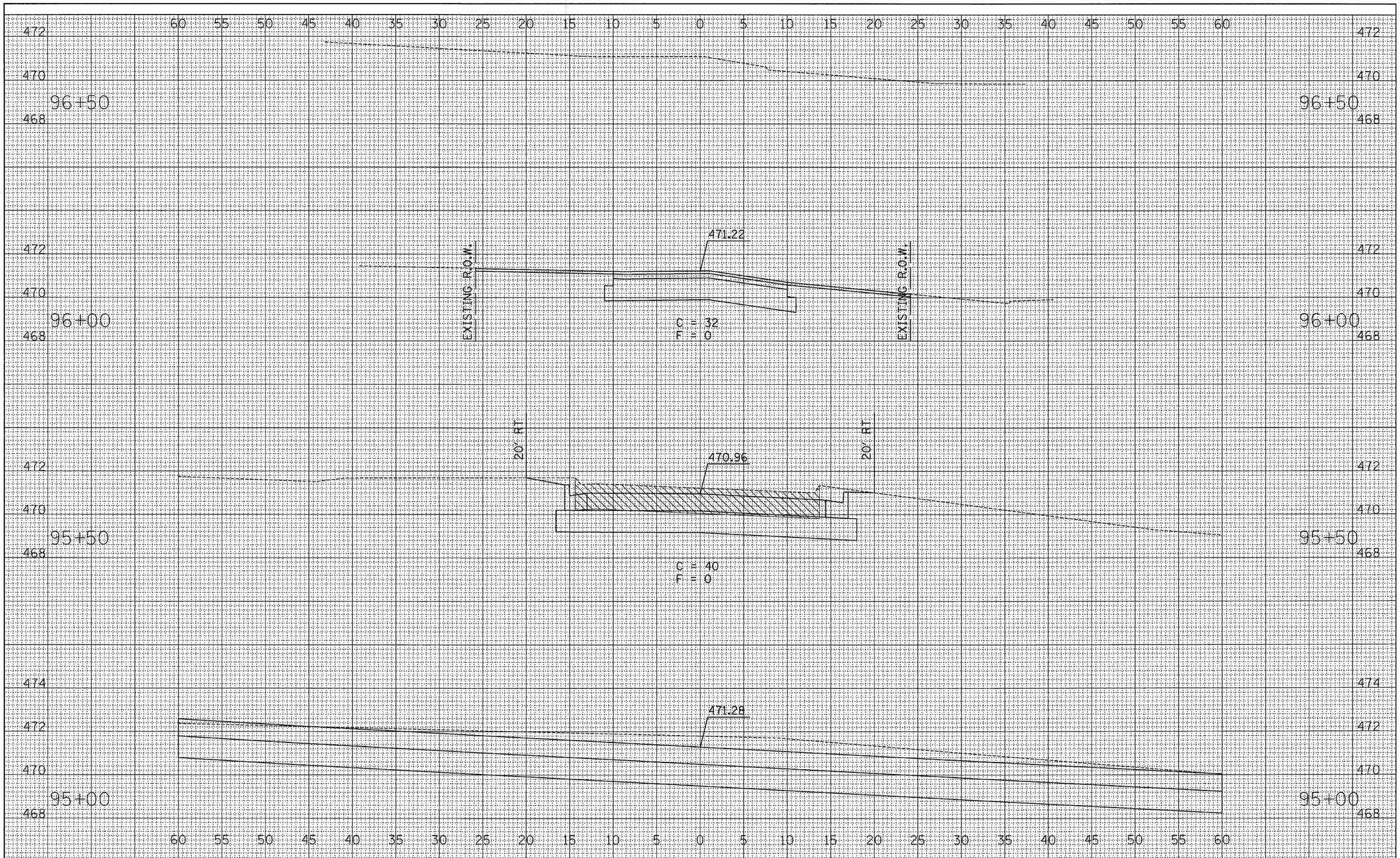
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ___
		DRAWN - LAG/NOE	REVISED - ___
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ___
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
JOHNSON STREET

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 90+00 TO STA. 92+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	187
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
DATE
09/04

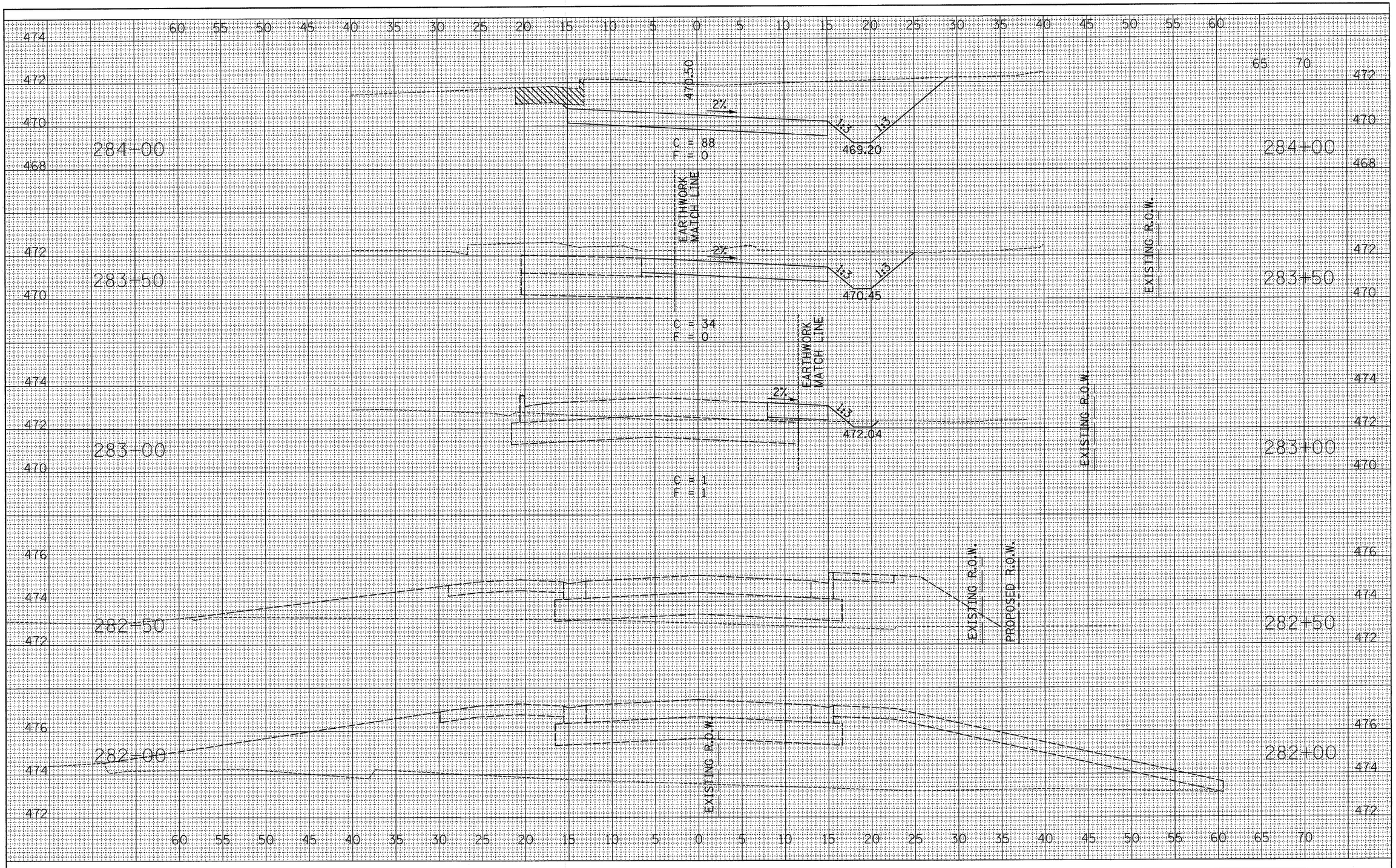
FILE NAME = D366547-SHT-XSSHT-7-13-05.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
GRIFFIN STREET

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 95+00 TO STA. 96+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	188
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY — SURVEYED CHAMLIN 08/04, PLOTTED CHAMLIN 09/04, TEMPLATE, AREAS, AREAS CHECKED — NOTE BOOK — NO.

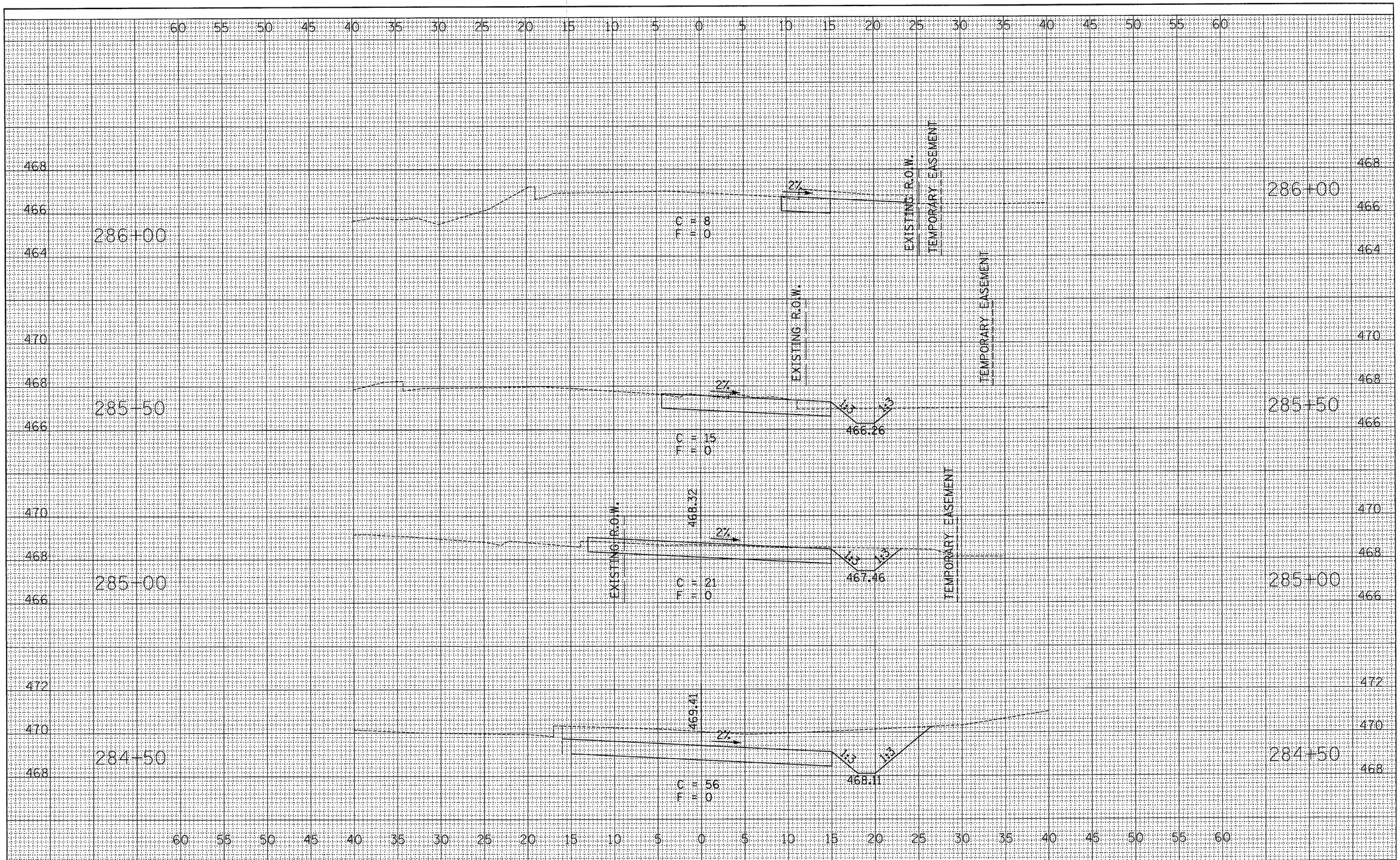
FILE NAME = D366547-SHT-XSSHT-DET.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TEMPORARY RUNAROUND

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 282+00 TO STA. 284+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	189
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED CHAMLIN
PLOTTED CHAMLIN
TEMPLATE
AREAS
AREAS CHECKED
NO'S. 09/24

FILE NAME = D366547-SHT-XSSHT-DET.DGN	USER NAME = ---	DESIGNED - JKC	REVISED - ---
		DRAWN - LAG/NOE	REVISED - ---
	PLOT SCALE = 1"=5'	CHECKED - JKC	REVISED - ---
	PLOT DATE = 08/10	DATE - 08/10	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TEMPORARY RUNAROUND

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. 284+50 TO STA. 286+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	6R,B	LASALLE	190	190
		CONTRACT NO. 66547		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		