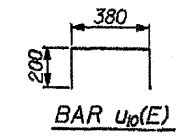
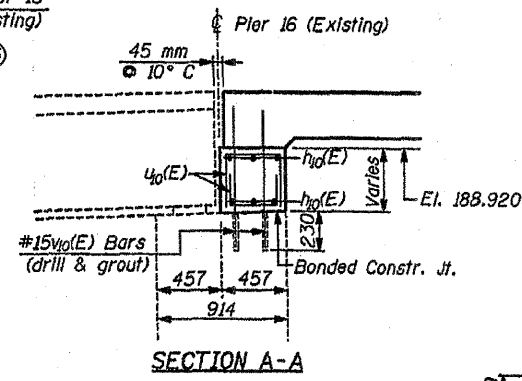
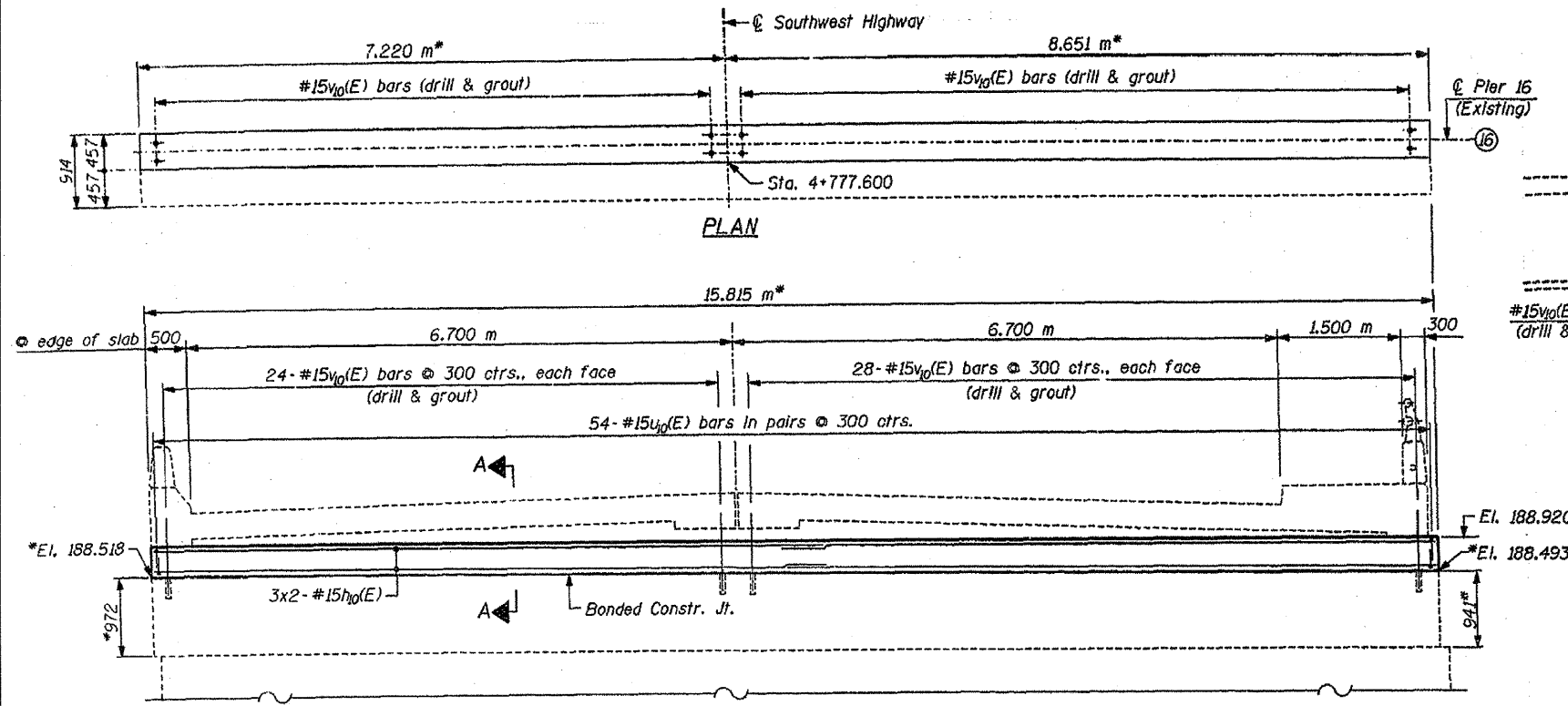


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
3578	15VB-1-R	COOK	243	201
STA. 4+665.229		TO STA. 4+777.600		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



**BILL OF MATERIAL
PIER 16**

Bar	No.	Size	Length (m)	Shape	
h0(E)	12	#15	8.20	—	
u0(E)	108	#15	0.78	└	
v0(E)	104	#15	9.60	—	
Concrete Structures				m ³	3.0
Reinforcement Bars, Epoxy Coated				kg	440
Epoxy Crack Sealing				m	20
High Performance Enhanced Shotcrete				m ²	28
Polymer Modified Portland Cement Mortar				m ³	0.9
Formed Concrete Repair (Depth ≤125)				m ²	0.1

Reinforcement Bars designated (E) shall be Epoxy Coated.

All dimensions are in millimeter (mm) except as noted.

PIER CAP ELEVATION
(Looking Northeast)

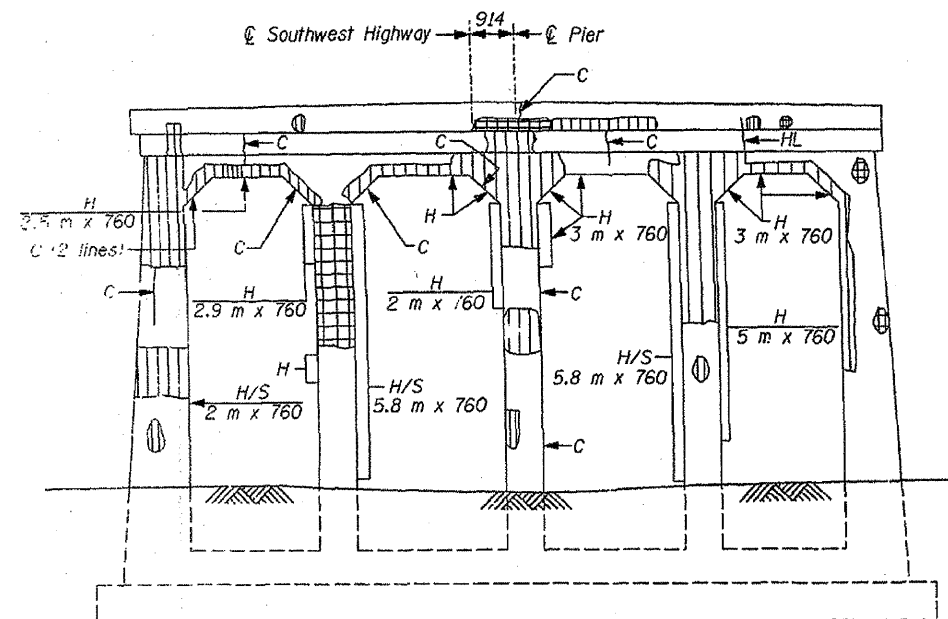
* Dimensions measured in field to be verified by the Contractor.

MIN. LAP
#15 Bars=640

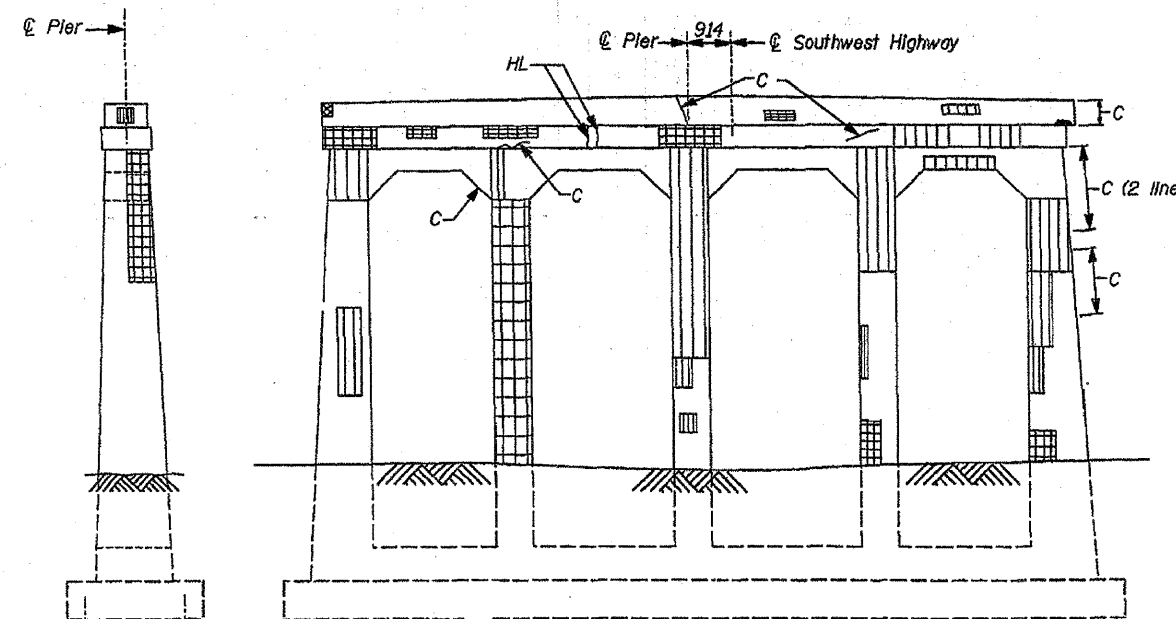
NOTES:

Bars Indicated thus 3x2-#15 ect., indicate 3 lines of bars with 2 lengths per lines.

Drill and grout #15v0(E) bars in 22 mm φ x 230 mm min. deep drilled holes. The grout and method of application shall be approved by the Department.



EXISTING ELEVATION-PIER 16
(LOOKING NORTHEAST)



EXISTING ELEVATION-PIER 16
(LOOKING SOUTHWEST)

LEGEND:

- Indicates limits of Epoxy Crack Sealing.
- ▨ Limits of High Performance Enhanced Shotcrete.
- H & H/S Limits of High Performance Enhanced Shotcrete
- ▤ Limits of Polymer Modified Portland Cement Mortar.
- ▩ Formed Concrete Repair (Depth ≤125)
- H Hollow
- C Crack
- HL Hairline Crack

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PIER 16 (EXISTING) DETAILS

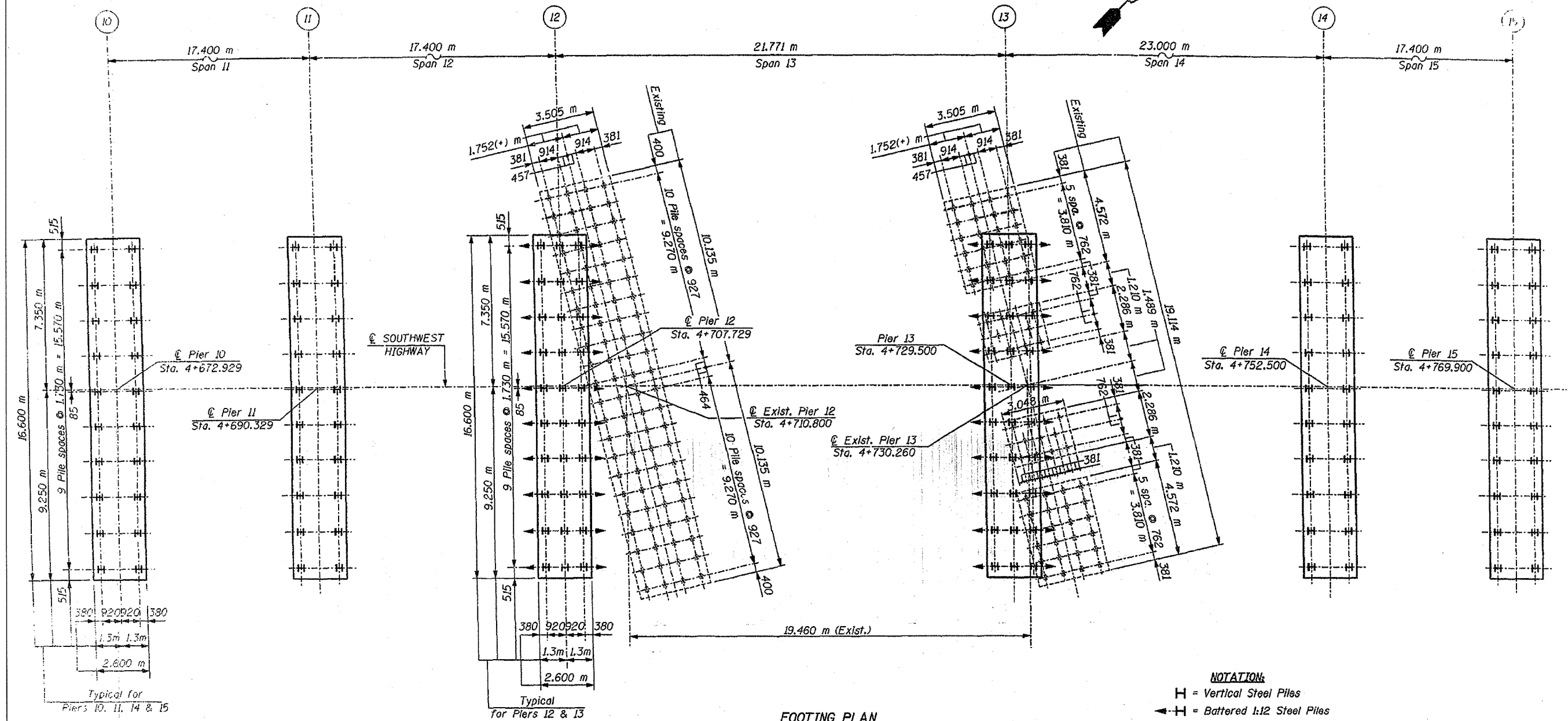
SOUTHWEST HIGHWAY OVER
B. & O.C.T. RAILROAD AND MELVINA DITCH
F.A.U. ROUTE 3578 SEC. 15VB-1-R
COOK COUNTY STATION 4+716.471
STRUCTURE NO. 016-0463

SCALE: DATE: 6/11/09
DRAWN BY: F. MUNIR
CHECKED BY: B. SHAH

CHRISTIAN - ROGE & ASSOC.
CHICAGO ILLINOIS

FOR INFORMATION ONLY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
3578	15VB-1-R	COOK	243	202
STA. 4+655.229		TO STA. 4+777.600		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



NOTATION:
 H = Vertical Steel Piles
 H = Battered 1:12 Steel Piles
 * = Existing Timber Piles

NOTES:

Footing and Timber Pile layout for existing Piers 12 & 13 shown are from existing plan dated 1934. It shall be the Contractor's responsibility to verify the existing Timber Pile layout in the field and make necessary approved adjustments prior to construction.

Adjustments to the proposed pile locations may be made to allow the piles to be driven alongside the interfering pile subject to the approval of the Engineer.

Any existing Timber Piles @ Piers 12 & 13 that interfere with the new construction of footing shall be cut off as the Engineer may direct. The cost for cutting off the existing piles will be included with the Contract Unit Price for Concrete Structures.

Exact location of the existing Timber Piles shall be determined in the field during the removal of the existing structure.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FOOTING PLAN

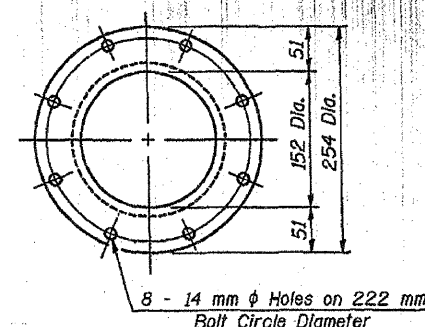
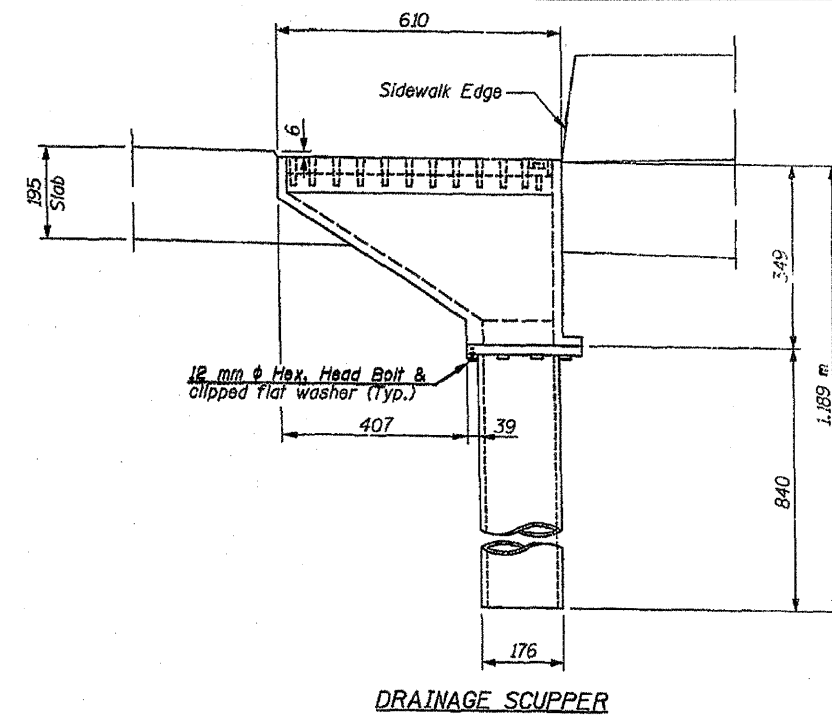
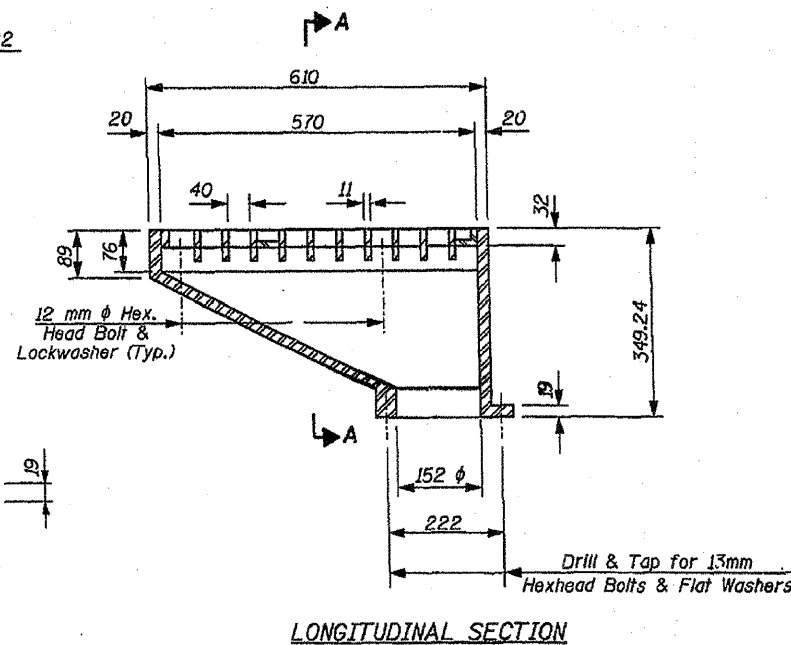
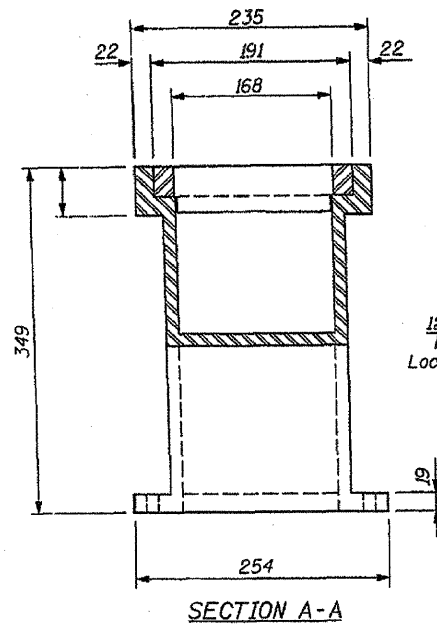
SOUTHWEST HIGHWAY OVER
 B. & O.C.T. RAILROAD AND MELVINA DITCH
 F.A.U. ROUTE 3578 SEC. 15VB-1-R
 COOK COUNTY STATION 4+716.471
 STRUCTURE NO. 016-0463

SCALE: DATE: 6/17/09
 DRAWN BY: F. MUNIR
 CHECKED BY: B. SHAH

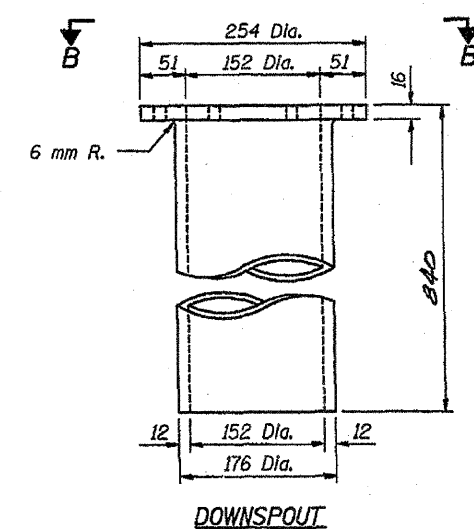
CHRISTIAN - ROGE & ASSOC.
 CHICAGO ILLINOIS

FOR INFORMATION ONLY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15VB-1-R	COOK	243	203
STA. 4+655.229		TO STA. 4+777.600		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



VIEW B-B



DOWNSPOUT

Steel Alternate

Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500 Grade B, or A 501 Structural Steel Tubing.

All other shapes, plates and bars shall conform to the requirements of AASHTO M 270M Grade 250.

Bolts, studs, washers and nuts shall conform to the requirements of ASTM A 307.

The Grate, Frame and Downspout shall be galvanized after shop fabrication according to AASHTO M 111 & ASTM A 385.

All bolts, washers and nuts shall be galvanized according to AASHTO M 232.

Cost of the Grate, Frame, Downspout, Bolts, Washers and Nuts including complete installation of Scupper will be paid for at the unit bid price each for "DRAINAGE SCUPPERS."

Cast Iron Alternate

All cast iron parts shall be gray Iron conforming to the requirements of AASHTO M 105, Class 30.

Bolts and washers shall conform to the requirements of ASTM A 307.

All bolts and washers shall be galvanized according to AASHTO M 232.

As an alternate bolts and washers may be stainless steel conforming to the requirements of ASTM A 193M, Type 304.

Cost of the Grate, Frame, Downspout, bolts and washers including complete installation of Scupper will be paid for at the unit bid price each for "DRAINAGE SCUPPERS."

The Contractor may use at his option steel drainage scuppers or cast iron drainage scuppers.

All dimensions are in millimeters (mm) except as noted.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scuppers	Each	8

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE SCUPPER DETAILS
 SOUTHWEST HIGHWAY OVER
 B. & O.C.T. RAILROAD AND MELVINA DITCH
 F.A.U. ROUTE 3578 SEC. 15VB-1-R
 COOK COUNTY STATION 4+716.471
 STRUCTURE NO. 016-0463
 SCALE: DATE: 6/17/09 DRAWN BY: F. MUNIR
 CHECKED BY: B. SHAH
CHRISTIAN - ROGE & ASSOC.
 CHICAGO ILLINOIS

FOR INFORMATION ONLY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15VB-1-R	COOK	243	204
STA. 4+655.229		TO STA. 4+777.600		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

MIRZA ENGINEERING, INC. CHICAGO, ILLINOIS		BORING LOG		BORING NO: B-9				
JOB NO: 9737 CLIENT: CHRISTIAN-ROGE & ASSOCIATES, INC.		STATION: 4+687		OFFSET: 7.8m Lt				
PROJECT: FAU 3578 (Southwest Highway) over B & O CT RR and Stony Creek		SURF ELEV: 180.07		BORING RIG & METHOD: Mobile B-57 w/Hollow Stem Augers				
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _s kPa	STRAIN %	WATER CONTENT %
			0.00-0.30	Auger 2				18
FILL: Dark Br to Br Clay A-B; Organic matter noted			0.30-0.78	408 2-2		67	15	22
	178.38		1.07-1.52	358 1-1		48	15	22
Very Soft Br & Gr to Gr Clay A-7-B		2	1.83-2.29	457 1-1		19	15	29
			2.59-3.05	432 1-1		19	19	31
Shells noted at 3.7m			3.35-3.66	457 1/457		10	15	34
	175.92	4	4.11-4.67	408 1/457		10	15	76
Very Soft Gr Organic Clay A-7-B; Marl seams & Shells noted			4.88-5.33	358 1-1		10	15	229
Peat seam noted at 5.2m			5.64-6.10	457 2 1-1		10	15	233
	173.82	6	6.40-6.86	408 5 9-12		230	15	17
Very Stiff Gr Silt A-4; Silt lenses noted			7.16-7.62	457 7 12-11		259	15	18
		8	7.92-8.38	408 4 8-8		328	15	21
	171.35		8.69-9.14	457 4 7-8				20
Medium Dense Gr Silt A-4			9.45-9.91	381 8 11-21				5
Dense Gr Sand A-1-s; Cobbles noted		10	10.21-10.67	408 12 20-17				6
Very hard drilling below 10.7m			10.97-11.43	381 34 52-32				6
Extremely Dense Gr Sand A-1-s; Cobbles noted			11.73-11.83	76 100/78				9
Boring terminated at 11.8m								
REMARKS								
* Denotes Calibrated Penetrometer Estimate								
WATER 9.4 m ELEV. 170.62 DURING DRILLING √ CORE SIZE mm DATE: OCT 13 97								
WATER 10.9 m ELEV. 169.16 AT COMPLETION √ CASING LENGTH m DRILLER: Roessel								
WATER 4.4 m ELEV. 175.68 AFTER 24 HRS. √ CASING DIAMETER mm INSPECTOR: Mauser								

MIRZA ENGINEERING, INC. CHICAGO, ILLINOIS		BORING LOG		BORING NO: B-10				
JOB NO: 9737 CLIENT: CHRISTIAN-ROGE & ASSOCIATES, INC.		STATION: 4+680		OFFSET: 11.3m Rt				
PROJECT: FAU 3578 (Southwest Highway) over B & O CT RR and Stony Creek		SURF ELEV: 179.69		BORING RIG & METHOD: Mobile B-57 w/Hollow Stem Augers				
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _s kPa	STRAIN %	WATER CONTENT %
			0.00-0.30	Auger 3				11
FILL: Dark Br to Br Clay A-B; Organic matter noted			0.30-0.78	408 4-4		88	15	18
	177.83		1.07-1.52	358 2 2-2		67	15	20
		2	1.83-2.29	408 1 1-1		19	15	39
Very Soft Gr Organic Clay A-7-B; Shells & Peat seams noted			2.59-3.05	203 1 1-1		10	15	173
	178.49		3.35-3.81	279 1 1-1				344
Br Fibrous Peat; Shells noted		4	4.11-4.67	381 1/457		10	15	248
	175.54		4.88-5.33	408 3 7-9		211	15	18
Very Soft Gr Organic Silt A-7-5; Peat & Marl seams noted			5.64-6.10	457 11 12-12		354	15	14
Very Stiff Gr Silt A-4(8); Silt lenses noted		8	6.40-6.86	381 51 67-42				5
Very hard drilling below 6.2m			7.16-7.62	41 42-39				6
Extremely Dense Gr Sand A-1-s; Cobbles noted								
Refusal to drilling equipment at 7.8m								
REMARKS								
* Denotes Calibrated Penetrometer Estimate								
WATER 5.6 m ELEV. 174.11 DURING DRILLING √ CORE SIZE mm DATE: OCT 14 97								
WATER 7.0 m ELEV. 172.68 AT COMPLETION √ CASING LENGTH m DRILLER: Roessel								
WATER 3.7 m ELEV. 175.97 AFTER 24 HRS. √ CASING DIAMETER mm INSPECTOR: Mauser								

MIRZA ENGINEERING, INC. CHICAGO, ILLINOIS		BORING LOG		BORING NO: B-11				
JOB NO: 9737 CLIENT: CHRISTIAN-ROGE & ASSOCIATES, INC.		STATION: 4+695		OFFSET: 9.0m Lt				
PROJECT: FAU 3578 (Southwest Highway) over B & O CT RR and Stony Creek		SURF ELEV: 180.25		BORING RIG & METHOD: Mobile B-57 w/Hollow Stem Augers				
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _s kPa	STRAIN %	WATER CONTENT %
			0.00-0.30	Auger 2				18
FILL: Br Clay A-B; Organic matter noted			0.30-0.78	408 2-2		48	15	18
	178.37		1.07-1.52	457 1 2-2		39	15	22
		2	1.83-2.29	358 3 2-2		67	15	24
Medium Stiff Br & Gr to Gr Silt A-B; Roots & shells noted			2.59-3.05	330 1 1-1		48	15	20
	177.02		3.35-3.81	457 1 1-1		19	15	42
Very Soft Gr Organic Clay A-7-B; Shells, Peat seams & Marl seams noted		4	4.11-4.67	408 1/457				289
	175.99		4.88-5.33	457 1 1-1				185
Br Fibrous Peat; Shells & Marl seams noted			5.64-6.10	457 4 10-13		230	15	19
	174.53	6	6.40-6.86	408 7 12-13		412	12	20
Very Stiff to Hard Gr Clayey Silt A-4; Sand & Silt lenses noted			7.16-7.62	457 6 7-9		440	15	17
	172.46	8	7.92-8.38	457 7 9-11				19
Medium Dense Gr Silt A-4			8.69-9.14	408 12 15-18				7
Hard drilling below 8.6m			9.45-9.91	457 16 22-38				6
Dense Gr Sand A-1-s; Cobbles noted		10	10.21-10.45	229 55 100/78				6
Extremely Dense Gr Sand A-1-s; Cobbles noted			10.82-10.85	25 100/25				8
Refusal to drilling equipment at 10.9m								
REMARKS								
* Denotes Calibrated Penetrometer Estimate								
WATER 8.6 m ELEV. 171.70 DURING DRILLING √ CORE SIZE mm DATE: OCT 14 97								
WATER 9.6 m ELEV. 170.60 AT COMPLETION √ CASING LENGTH m DRILLER: Roessel								
WATER 5.2 m ELEV. 174.99 AFTER 24 HRS. √ CASING DIAMETER mm INSPECTOR: Mauser								

ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS
 SOUTHWEST HIGHWAY OVER
 B. & O.C.T. RAILROAD AND MELVINA DITCH
 F.A.U. ROUTE 3578 SEC. 15VB-1-R
 COOK COUNTY STATION 4+716.471
 STRUCTURE NO. 016-0463
 SCALE: DATE: 6/17/09 DRAWN BY: F. MUNIR CHECKED BY: B. SHAH
 CHRISTIAN - ROGE & ASSOC.
 CHICAGO ILLINOIS

REVISIONS	
NAME	DATE

FOR INFORMATION ONLY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15VB-1-R	COOK	243	205
STA. 4+655.229		TO STA. 4+777.600		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

MIRZA ENGINEERING, INC. CHICAGO, ILLINOIS		BORING LOG		BORING NO: B-12					
JOB NO: 9737 CLIENT: CHRISTIAN-ROGE & ASSOCIATES, INC.		PROJECT: FAU 3678 (Southwest Highway) over B & O CT RR and Stony Creek		STATION: 4+709					
LOCATION: Cook County, Illinois		BORING RIG & METHOD: Mobile B-67 w/Hollow Stem Augers		OFFSET: 10.6m Rt					
		SURF ELEV: 180.78							
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM-TO	REC. mm	BLOWS/160mm	q _c kPa	STRAIN %	WATER CONTENT %	
FILL: Intermixed Gr Sand A-1-a and Br Clay A-6	178.84		0.00-0.30	Auger 3				20	
			0.30-0.78	254	11-8			10	
FILL: Dark Br to Br Clay A-6; Organic matter noted			1.07-1.52	127	2-2	98*		10	
	178.81	2	1.83-2.29	78	2-3	192*		10	
Medium Stiff Br & Gr Silt A-6; Silt lenses noted	177.55		2.59-3.05	408	1-1	48	15	27	
Very Soft Gr Organic Clay A-7-6; Silt seams noted	176.81	4	3.35-3.81	408	1-1	19	15	34	
Br Fibrous Peat; Shells & Marl seams noted	174.99	8	4.11-4.57	358	1/457	10	15	51	
Loose to Medium Dense Gr Sandy Loam A-4; Silt seams noted	173.56		4.88-5.33	381	2-2			267	
Dense to Medium Dense Gr Silt A-4	172.37	8	5.64-6.10	408	4-3			17	
Dense Gr Silt A-4	171.00	10	6.40-6.86	279	11-9			14	
Hard drilling below 9.6m	170.08		7.16-7.62	457	13			20	
Dense Gr Sand A-1-a; Cobbles noted	169.45		7.92-8.38	457	13-15			21	
Extremely Dense Gr Sand A-1-a; Cobbles noted			8.69-9.14	381	6			15	
Refusal to drilling equipment at 11.3m			8.45-9.91	432	12			19	
			10.21-10.67	381	19-17			6	
			10.97-11.06	51	100/78			14	
REMARKS		* Denotes Calibrated Penetrometer Estimate							
WATER 5.9 m ELEV. 174.81 DURING DRILLING		CORE SIZE		mm DATE: OCT 14 97					
WATER m ELEV. AT COMPLETION		CASING LENGTH		m. DRILLER: Roessel					
WATER 9.6 m ELEV. 171.12 AFTER 24 HRS.		CASING DIAMETER		mm INSPECTOR: Mauter					

MIRZA ENGINEERING, INC. CHICAGO, ILLINOIS		BORING LOG		BORING NO: B-13					
JOB NO: 9737 CLIENT: CHRISTIAN-ROGE & ASSOCIATES, INC.		PROJECT: FAU 3578 (Southwest Highway) over B & O CT RR and Stony Creek		STATION: 4+726					
LOCATION: Cook County, Illinois		BORING RIG & METHOD: Mobile B-67 w/Hollow Stem Augers		OFFSET: 9.8m Lt					
		SURF ELEV: 181.66							
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM-TO	REC. mm	BLOWS/160mm	q _c kPa	STRAIN %	WATER CONTENT %	
FILL: Black Sand A-1-b	189.76		0.00-0.30	Auger 4				15	
			0.30-0.78	78	4-4			13	
FILL: Dark Br to Br Clay A-6; Organic matter noted	178.74	2	1.07-1.62	368	3-4	57	15	15	
			1.83-2.29	408	1-1	19	15	18	
Bott./Ftg. Pier 13 Elev. 178.56			2.59-3.05	457	1/457	10	15	25	
Very Soft Br & Gr to Gr Silt A-6	176.81	4	3.35-3.81	381	1/457	10	15	28	
	175.69		4.11-4.67	457	1/457	19	15	30	
	174.17		4.88-5.33	457	1-1	19	15	30	
Br Fibrous Peat and Marl; Shells noted	173.14	8	5.64-6.10	457	2-2			199	
Medium Dense Gr Silt A-4	172.85		6.40-6.86	457	5-8			22	
Dense to Very Dense Gr Sand A-1-a; Cobbles noted	172.43	8	7.16-7.62	358	14-18			6	
Very hard drilling below 8.5m	171.67		7.92-8.38	381	17			7	
			8.69-9.14	358	39			6	
			9.45-9.80	127	100/182			8	
REMARKS		* Denotes Calibrated Penetrometer Estimate							
WATER 6.0 m ELEV. 175.69 DURING DRILLING		CORE SIZE		mm DATE: OCT 15 97					
WATER m ELEV. AT COMPLETION		CASING LENGTH		m. DRILLER: Roessel					
WATER 7.5 m ELEV. 174.19 AFTER 24 HRS.		CASING DIAMETER		mm INSPECTOR: Mauter					

MIRZA ENGINEERING, INC. CHICAGO, ILLINOIS		BORING LOG		BORING NO: B-14					
JOB NO: 9737 CLIENT: CHRISTIAN-ROGE & ASSOCIATES, INC.		PROJECT: FAU 3678 (Southwest Highway) over B & O CT RR and Stony Creek		STATION: 4+751					
LOCATION: Cook County, Illinois		BORING RIG & METHOD: Mobile B-67 w/Hollow Stem Augers		OFFSET: 10.8m Rt					
		SURF ELEV: 180.06							
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM-TO	REC. mm	BLOWS/160mm	q _c kPa	STRAIN %	WATER CONTENT %	
FILL: Br & Gr Clay A-6; brick fragments noted	178.87		0.00-0.30	Auger 10				16	
			0.30-0.78	457	13-13	431*		9	
	178.37	2	1.07-1.62	406	4	6-5	239*	12	
Medium Stiff Br & Gr to Gr Silt A-6; Roots noted	176.81		1.83-2.29	381	1	2-2	57	15	
			2.59-3.05	457	1-2	48	15	30	
Very Soft Gr Organic Clay A-7-6; Peat seams noted	175.69	4	3.35-3.81	457	1	2-3	10	15	
Very Soft Gr Marl; Peat seams & Shells noted	174.58		4.11-4.57	457	1	2-3	10	15	
Very hard drilling below 6.5m	173.56		4.88-5.33		2	3-6	10	15	
Dense Gr Sand A-1-a; Cobbles noted	172.43	8	5.64-6.10	358	22-28			6	
			6.40-6.86	279	18			7	
Extremely Dense Gr Sand A-1-a; Cobbles noted	171.67		7.16-7.62	408	18-18			6	
			7.92-8.38	432	68	68-72		5	
REMARKS		* Denotes Calibrated Penetrometer Estimate							
WATER 5.5 m ELEV. 174.66 DURING DRILLING		CORE SIZE		mm DATE: OCT 15 97					
WATER m ELEV. AT COMPLETION		CASING LENGTH		m. DRILLER: Roessel					
WATER 4.3 m ELEV. 173.78 AFTER 24 HRS.		CASING DIAMETER		mm INSPECTOR: Mauter					

ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS
 SOUTHWEST HIGHWAY OVER
 B. & O.C.T. RAILROAD AND MELVINA DITCH
 F.A.U. ROUTE 3578 SEC. 15VB-1-R
 COOK COUNTY STATION 4+716.471
 STRUCTURE NO. 016-0463
 SCALE: DRAWN BY: F. MUNIR
 DATE: 6/17/09 CHECKED BY: B. SHAH
 CHRISTIAN - ROGE & ASSOC.
 CHICAGO ILLINOIS

REVISIONS	
NAME	DATE

FOR INFORMATION ONLY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15VB-1-R	COOK	243	206
STA. 4+655.229		TO STA. 4+777.600		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

MIRZA ENGINEERING, INC. CHICAGO, ILLINOIS		BORING LOG		BORING NO: B-15				
JOB NO: 9737 CLIENT: CHRISTIAN-ROGE & ASSOCIATES, INC.		PROJECT: FAU 3578 (Southwest Highway) over B & O CT RR and Stony Creek		STATION: 4+761				
LOCATION: Cook County, Illinois		BORING RIG & METHOD: Mobile B-57 w/Hollow Stem Augers		OFFSET: 8.6m Lt				
		SURF ELEV: 179.80						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. SIZE	BLOWN/100mm	%	STRAIN %	WATER CONTENT %
FILL: Dark Br to Br Clay A-8; Organic matter & concrete rubble noted	178.97		0.00-0.30	Auger	3	1-1	28	16
			0.30-0.76	356	4	1-1	29	16
			1.07-1.52	381	2	2-2	28	15
			1.59-2.29	408	2	2-2	28	15
			2.59-3.05	278	1	2-1	19	15
			3.35-3.81	457	1	3-2		255
			4.11-4.57	457	1	1-1	10	15
			4.88-5.33	381	8	10-9		17
			5.64-6.10	457	8	14-18	440	15
			6.40-6.86	400	6	16-21	468	11
			7.16-7.62	457	14	20-19		16
			7.92-8.38	254	6	8-12		7
			8.89-9.14	278	20	34-42		9
			9.45-9.91	381	81	38-46		16
			10.21-10.67	381	38	68-59		18
Boring terminated at 10.7m								
REMARKS: * Denotes Calibrated Penetrometer Estimate								
WATER 5.6 m ELEV. 174.31 DURING DRILLING § CORE SIZE mm DATE: OCT 16 07								
WATER m ELEV. AT COMPLETION § CASING LENGTH m DRILLER: Roessel								
WATER 9.6 m ELEV. 170.17 AFTER 1/4 HRS. § CASING DIAMETER mm INSPECTOR: Mauter								

MIRZA ENGINEERING, INC. CHICAGO, ILLINOIS		BORING LOG		BORING NO: B-16				
JOB NO: 9737 CLIENT: CHRISTIAN-ROGE & ASSOCIATES, INC.		PROJECT: FAU 3578 (Southwest Highway) over B & O CT RR and Stony Creek		STATION: 4+778				
LOCATION: Cook County, Illinois		BORING RIG & METHOD: Mobile B-57 w/Hollow Stem Augers		OFFSET: 13.2m Rt				
		SURF ELEV: 180.66						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. SIZE	BLOWN/100mm	%	STRAIN %	WATER CONTENT %
FILL: Dark Br to Br Clay A-8; Organic matter noted	178.88		0.00-0.30	Auger	7	1-1	28	16
			0.30-0.76	102	12-7	3-4	87	15
			1.07-1.52	356	3	3-4	87	15
			1.59-2.29	457	2	1-2	87	15
			2.59-3.05	457	1	1-1	57	15
			3.35-3.81	457	1	1-1	18	15
			4.11-4.57	381	1/457	10	15	182
			4.88-5.33	457	5	10-10		22
			5.64-6.10	356	5	6-9		23
			6.40-6.86	457	8	9-11		21
			7.16-7.62	381	7	8-9		22
			7.92-8.38	457	5	7-8		22
			8.89-9.14	254	6	8-8		17
			9.45-9.91	356	11	8-8		6
			10.21-10.67	457	14	14-28	393	15
			10.67-11.43	457	16	33-58		18
			11.73-12.01	254	76	100/127		7
			12.50-12.77	228	64	100/127		5
Boring terminated at 12.8m								
REMARKS: * Denotes Calibrated Penetrometer Estimate								
WATER 5.6 m ELEV. 175.17 DURING DRILLING § CORE SIZE mm DATE: OCT 15 07								
WATER m ELEV. AT COMPLETION § CASING LENGTH m DRILLER: Roessel								
WATER 6.9 m ELEV. 173.80 AFTER 24 HRS. § CASING DIAMETER mm INSPECTOR: Mauter								

ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS

SOUTHWEST HIGHWAY OVER
B. & O.C.T. RAILROAD AND MELVINA DITCH
F.A.U. ROUTE 3578 SEC. 15VB-1-R
COOK COUNTY STATION 4+716.471
STRUCTURE NO. 016-0463

SCALE: DATE: 6/17/09
DRAWN BY: F. MUNIR
CHECKED BY: B. SHAH

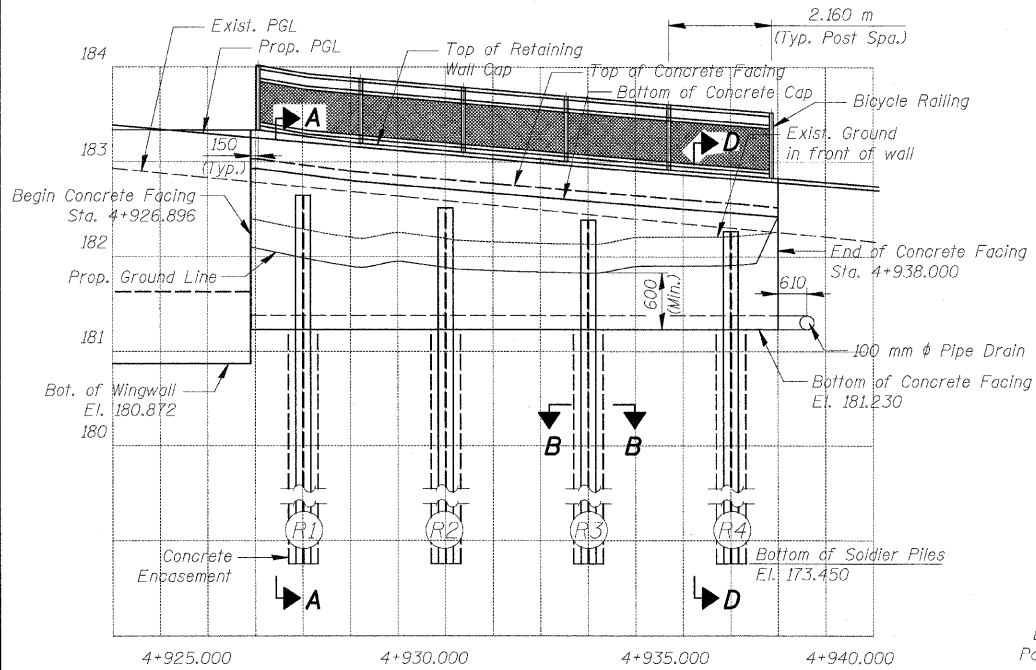
CHRISTIAN - ROGE & ASSOC.
CHICAGO ILLINOIS

REVISIONS	
NAME	DATE

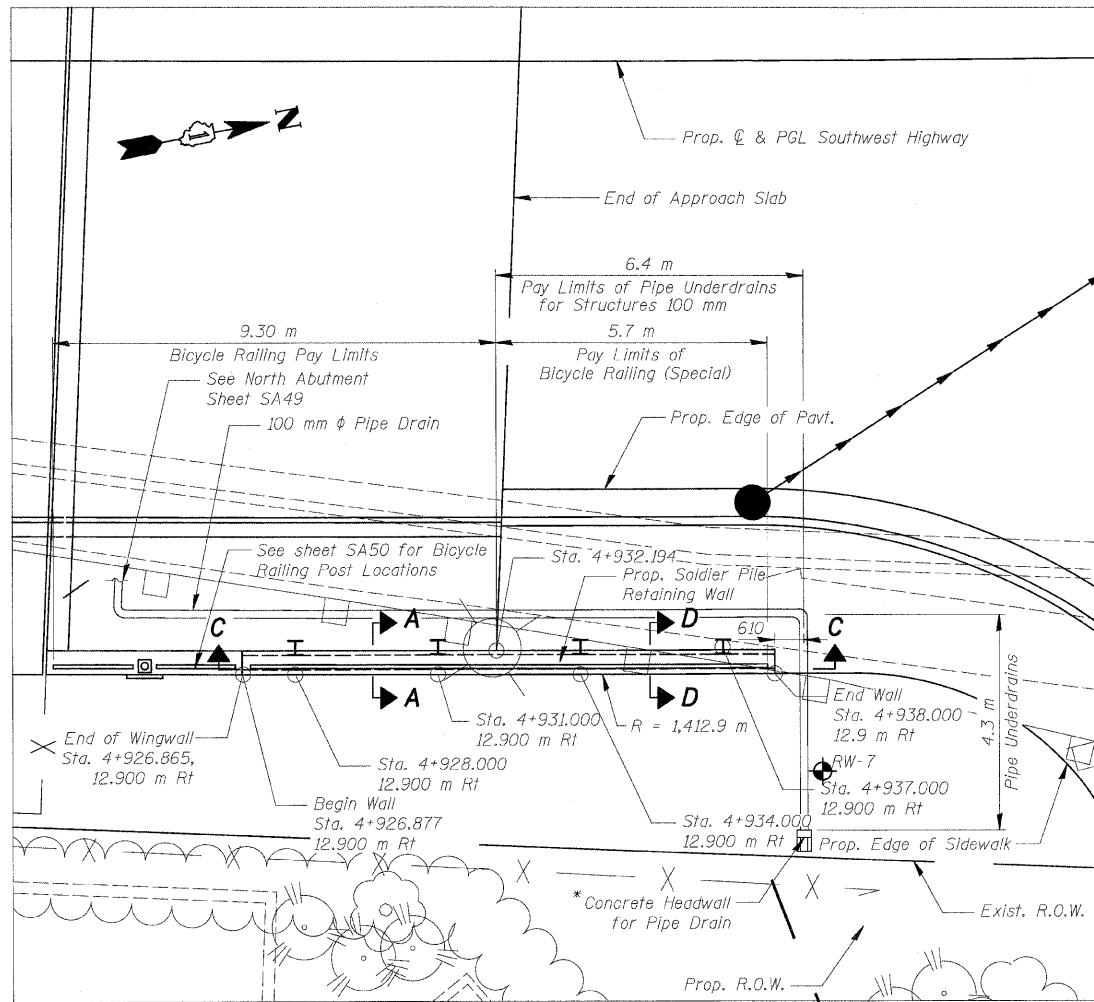
FOR INFORMATION ONLY

Bench Mark:

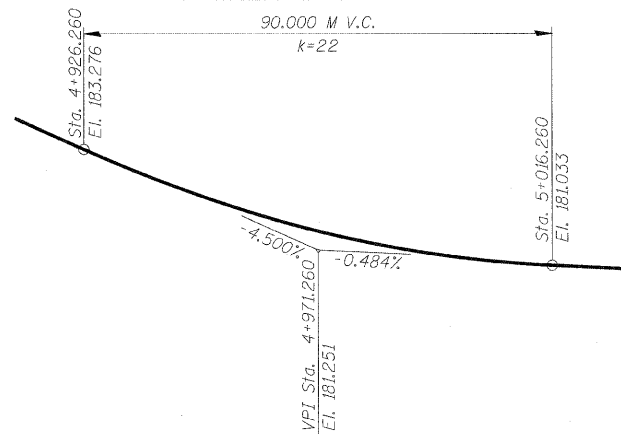
E. Flange Bolt of F.H. at S.W. corner Ridgeland & SW Highway - El. 181.825



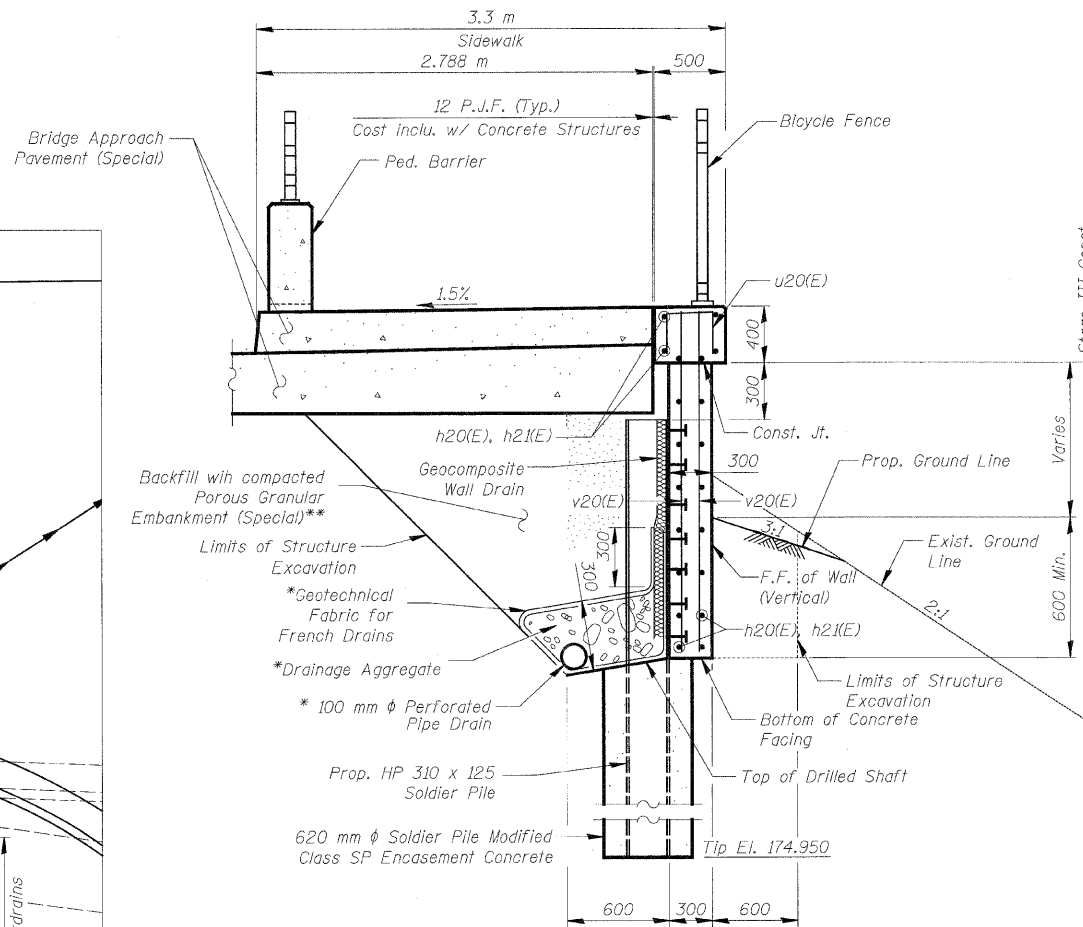
ELEVATION



PLAN



PROFILE GRADE SOUTHWEST HIGHWAY

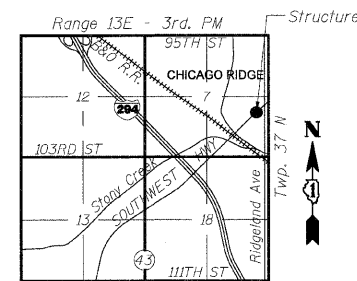


TYPICAL SECTION

* Included in the cost of Pipe Underdrains for Structures, 100 mm

**Backfill shall be compacted to the satisfaction of the Engineer.

All drainage system components shall extend to 600 mm from the end of wall, except an outlet pipe shall extend until intersecting with the side slopes. The pipe shall drain into concrete headwalls.



LOCATION SKETCH

PATRICK ENGINEERING, INC.
PAUL M. LOPEZ, S.E.



Paul M. Lopez
PAUL M. LOPEZ, P.E., S.E.
NO. 081-005231
EXP. DATE: 11/30/10
DATE: 06/17/2009

SHEET SB1 of SB3

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15V B-1-R-1	COOK	243	207
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 62388

GENERAL NOTES:

DESIGN SPECIFICATION:

2002 AASHTO Standard Specifications for Highway Bridges.

LOADING:

Earth Dry Weight = 1,920 kg/m³
Equivalent Lateral Fluid Pressure = 2.4 kPa
Live Load Surcharge = 11.5 kPa

DESIGN STRESSES

EXISTING CONSTRUCTION

f'c = 24 MPa
fy = 400 MPa (Reinf.)
fy = 345 MPa (M270M Grade 345)

NEW CONSTRUCTION

f'c = 24 MPa
fy = 400 MPa (Reinf.)
fy = 345 MPa (M270M Grade 345)

INDEX OF SHEETS

SB1 - Retaining Wall General Plan & Elevation

SB2 - Retaining Wall Details

SB3 - Soil Boring Log

NOTES:

- All dimensions are in millimeters (mm) except as noted.
- Stations and offsets are measured at front face of wall.
- Horizontal dimensions are measured along front face of wall.
- See SA32 for Bicycle Railing Quantity and Details

BILL OF MATERIAL

Item	Unit	Quantity
Stud Shear Connectors	Each	52
* Porous Granular Embankment (Special)	m ³	21
Structure Excavation	m ³	35
Concrete Structures	m ³	7.3
Reinforcement Bars, Epoxy Coated	kg	6.30
* Furnishing Soldier Piles (HP Section)	m	36.5
Geocomposite Wall Drain	Sq. m	13
* Pipe Underdrains for Structures 100 mm	m	10.7
* Drilling and Setting Soldier Piles in Soil	m ³	9.4
* Bicycle Railing (Special)	m	5.7

* See Special Provisions

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
RETAINING WALL GENERAL PLAN & ELEVATION
SOUTHWEST HIGHWAY OVER
B&O RAILROAD AND STONY CREEK
FAU 3578 SECTION 15V B-1-R-1
STRUCTURE NUMBER 016-2771
COOK COUNTY STATION 4+716.497
SCALE: NONE DRAWN BY: M. Tryon
DATE: 6/17/09 CHECKED BY: A. Yargiooglu

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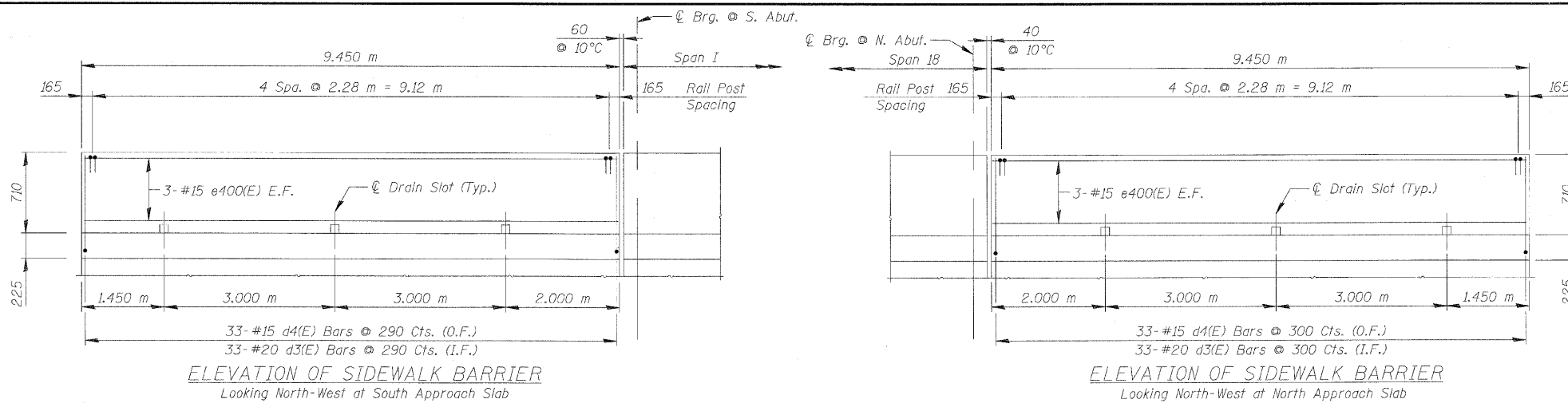
PATRICK ENGINEERING INC.
LISLE, ILLINOIS

Rev. 10.9.09

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15V B-1-R-1	COOK	243	210
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 62388	

NOTES

1. Reinforcement Bars designated (E) shall be epoxy coated.
2. For additional approach pavement details, see Roadway Plans.
3. Drain Slots shall omit the vertical reinforcement and shall be 50 mm min. from the edges of joints.
4. The cost of expansion anchors/inserts is included in the cost of Reinforcement Bars, Epoxy Coated.
5. For quantity of Bicycle Railing, see Bridge Plans.



BILL OF MATERIAL
(For 2 Approach Pavements)

Item	Unit	Total
* Bridge Approach Pavement (Special)	m ²	367
Protective Coat	m ²	83

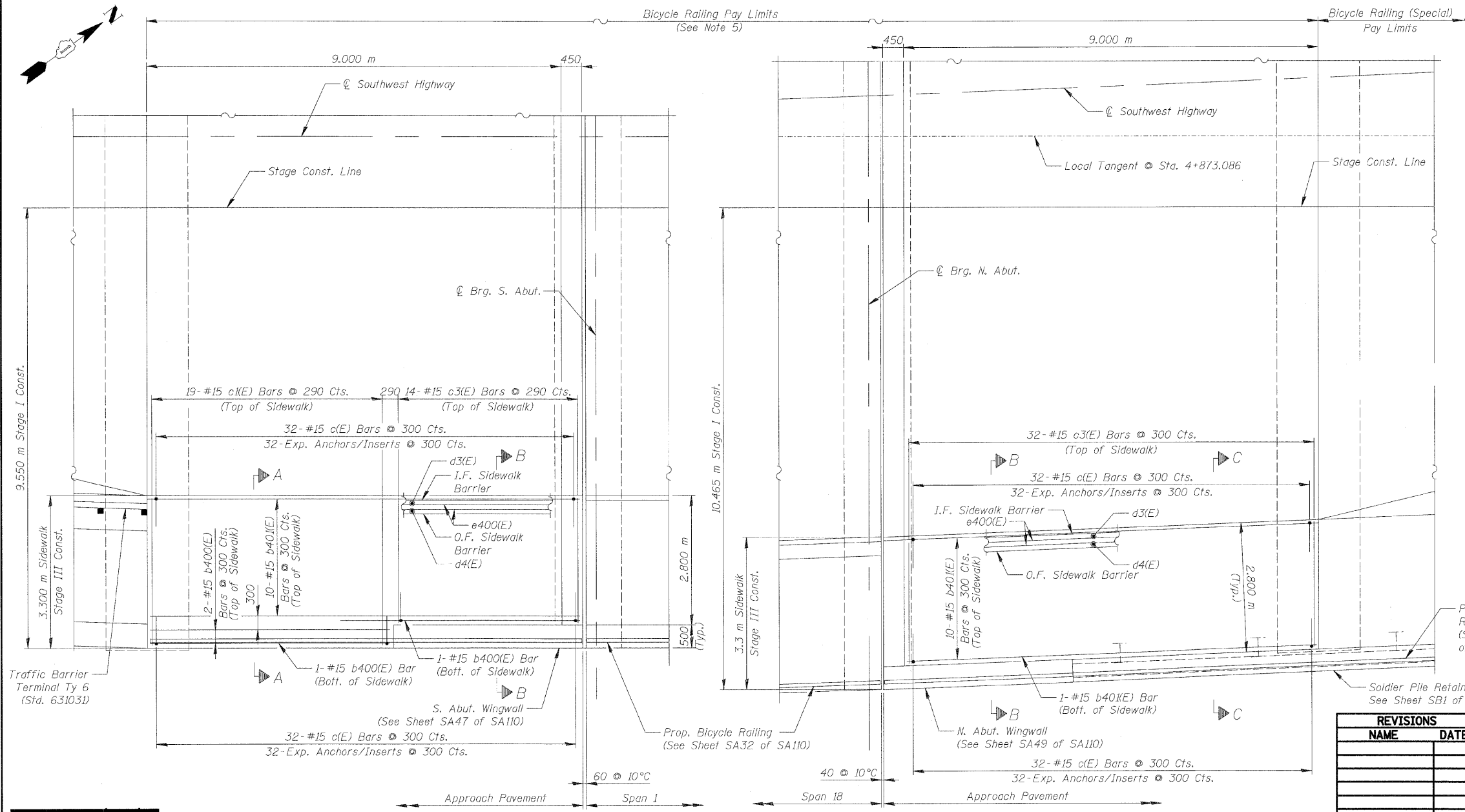
* See Special Provisions

REINFORCEMENT BAR SCHEDULE AND QUANTITY OF CONCRETE SUPERSTRUCTURE
(For 2 Approach Sidewalks and Barriers)

Bar	No.	Size	Length (m)	Shape
b400(E)	4	#15	5.25 m	—
b400(E)	21	#15	9.35 m	—
c(E)	128	#15	5.30	—
c1(E)	19	#15	3.20 m	—
c3(E)	46	#15	2.70 m	—
d3(E)	66	#20	1.08 m	L
d4(E)	66	#15	1.08 m	L
d5(F)	20	#15	610	□
e400(E)	12	#15	9.35 m	—

Item	Unit	Total
** Concrete Superstructure	m ²	15.0
*** Reinforcement Bars, Epoxy Coated	kg	1,210

- ** The cost of Concrete Superstructure is included with the cost of Bridge Approach Pavement (Special)
- *** The cost of Reinforcement Bars, Epoxy Coated is included with the cost of Bridge Approach Pavement (Special)



SOUTH APPROACH SLAB PLAN

NORTH APPROACH SLAB PLAN

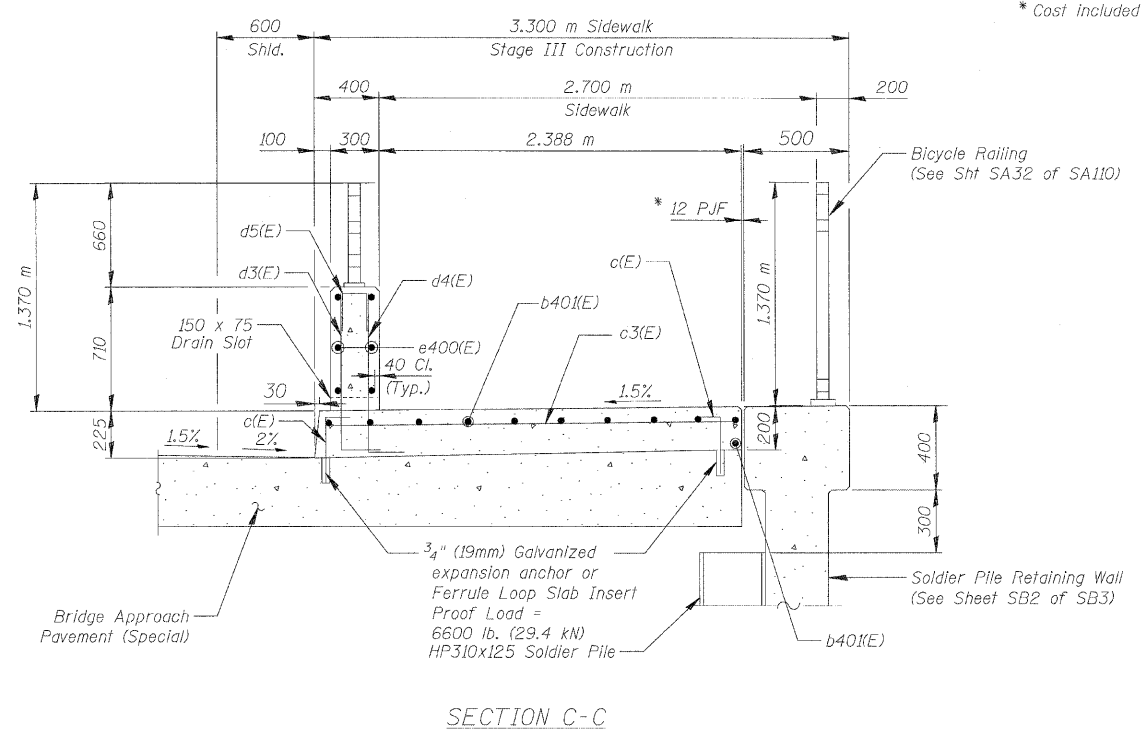
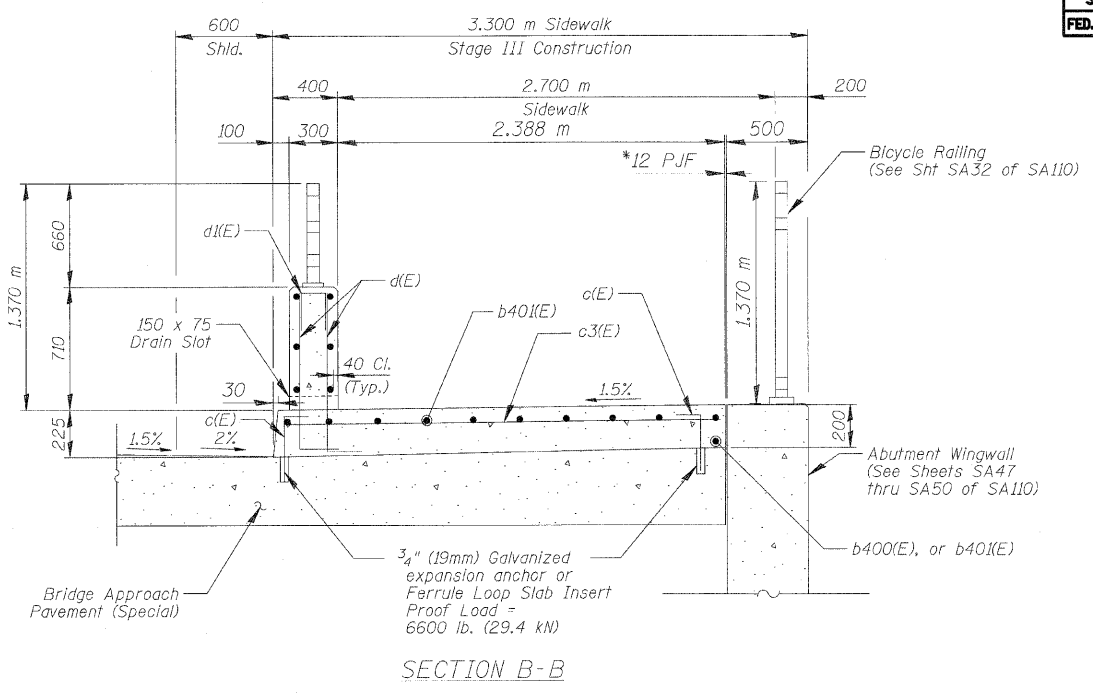
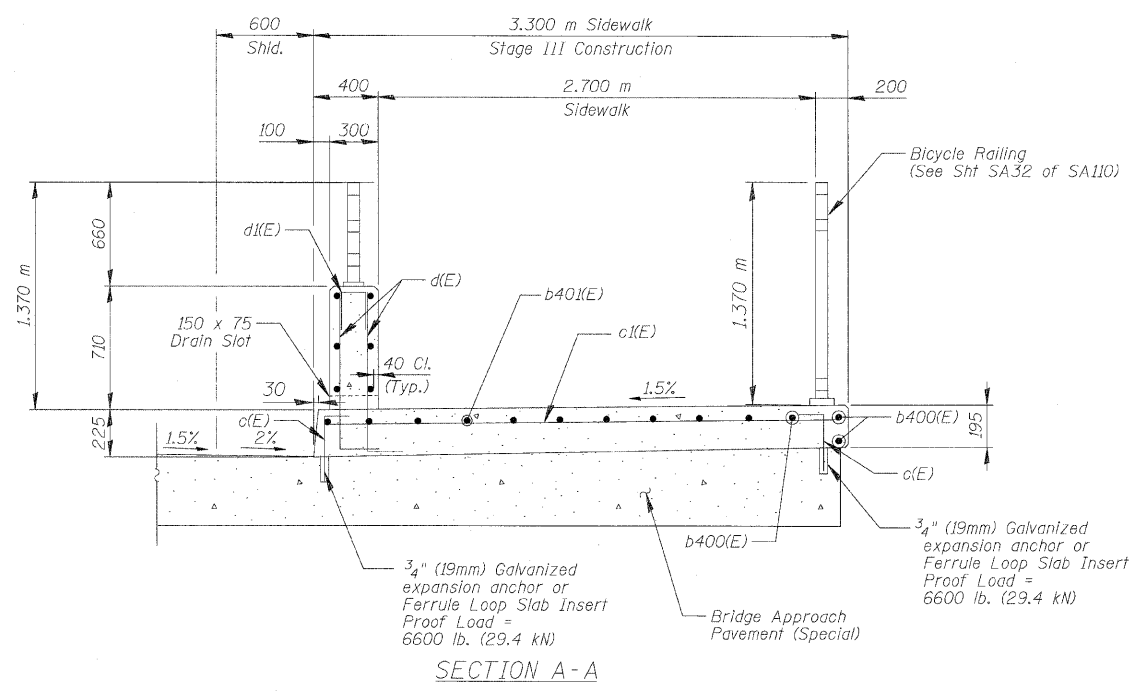
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BRIDGE APPROACH PAVEMENT (SPECIAL)
AT SOUTH AND NORTH ABUTMENTS
SOUTHWEST HIGHWAY OVER
B&O RAILROAD AND STONY CREEK
FAU 3578 SECTION 15V B-1-R-1
STRUCTURE NUMBER 016-2771
COOK COUNTY STATION 4+716.497
SCALE: NONE DRAWN BY: M. Tryon
DATE: 6/17/09 CHECKED BY: A. Yargiooglu

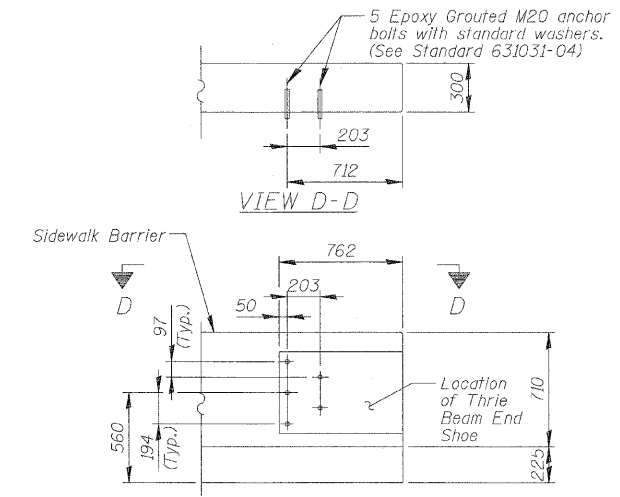


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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15V B-1-R-1	COOK	243	211
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62388				



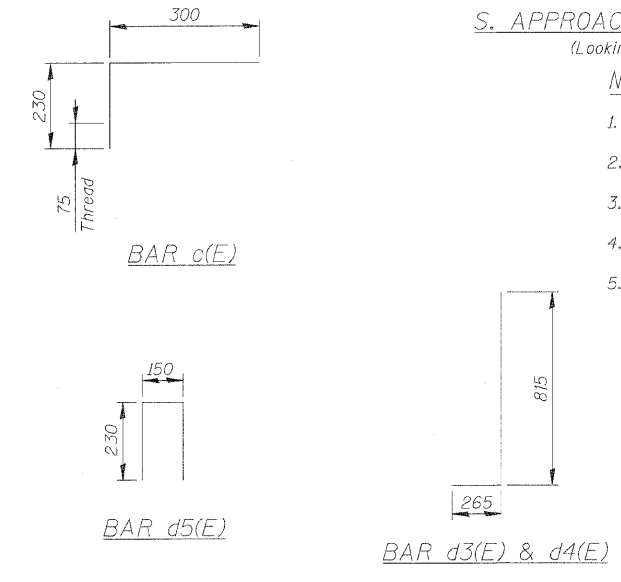
* Cost included in the Pay Item "Bridge Approach Pavement (Special)".



S. APPROACH SIDEWALK BARRIER DETAIL
(Looking South at I.F. of Sidewalk Barrier)

NOTES

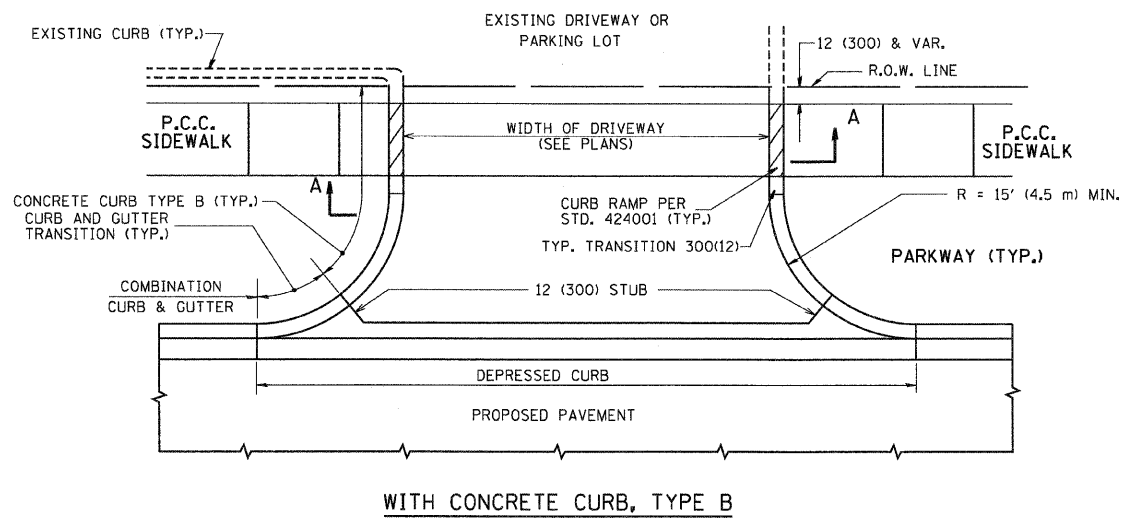
1. Reinforcement bars designated (E) shall be Epoxy Coated.
2. Bars indicated thus 20 x 3 - #15 etc. indicates 20 lines of bars with 3 lengths per line.
3. All dimensions are in millimeters (mm) except as noted.
4. For additional approach pavement details, see Roadway Plans.
5. In lieu of providing the d3(E) & d4(E) dowels bars as shown, the contractor, at his option and expense, can submit to the engineer for his review and approval an alternate detail to drill and grout the bars. No additional compensation will be allowed if the contractor elects to use the alternate detail.



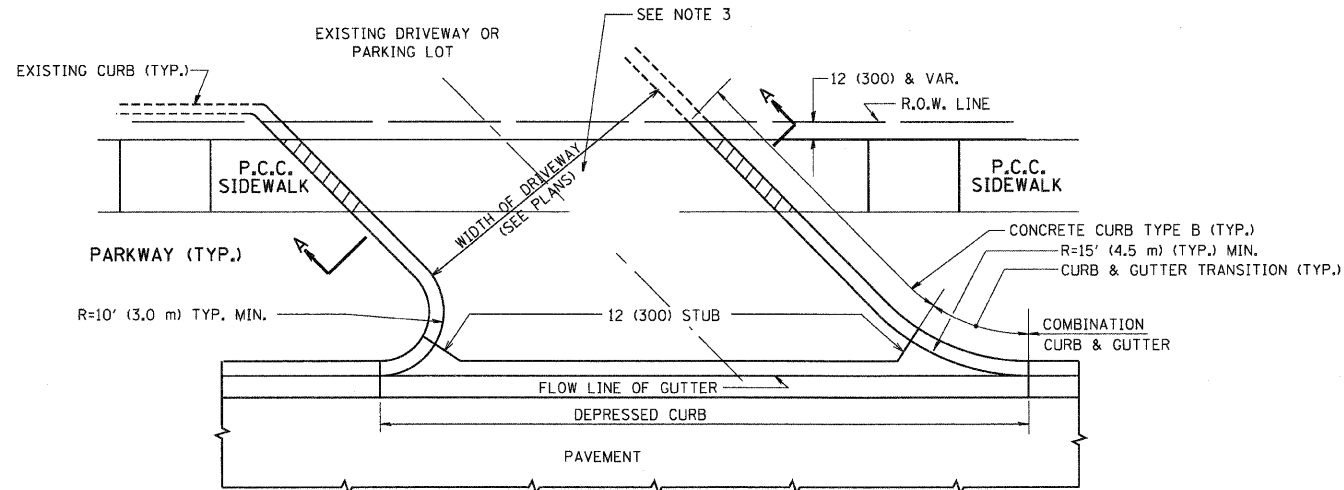
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION BRIDGE APPROACH PAVEMENT (SPECIAL) DETAILS SOUTHWEST HIGHWAY OVER B&O RAILROAD AND STONY CREEK FAU 3578 SECTION 15V B-1-R-1 STRUCTURE NUMBER 016-2771 COOK COUNTY STATION 4+716.497 SCALE: NONE DRAWN BY: M. Tryon DATE: 6/17/09 CHECKED BY: A. Yarglooglu
NAME	DATE	

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PATRICK ENGINEERING INC. LISLE, ILLINOIS

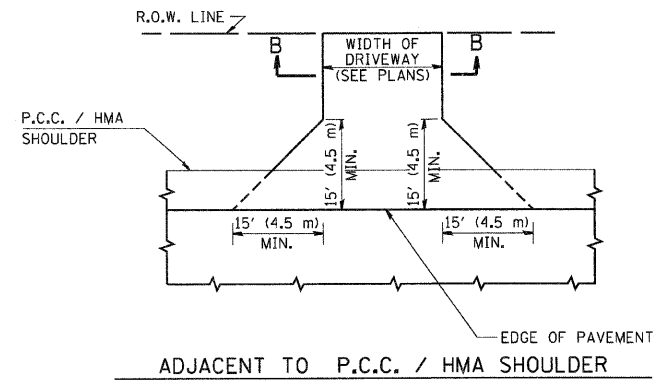
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			243	212
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



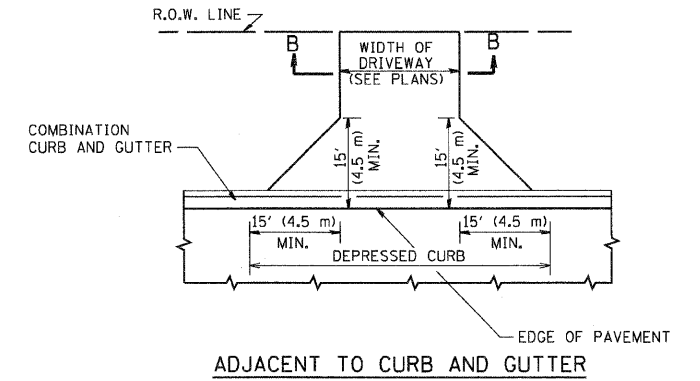
WITH CONCRETE CURB, TYPE B



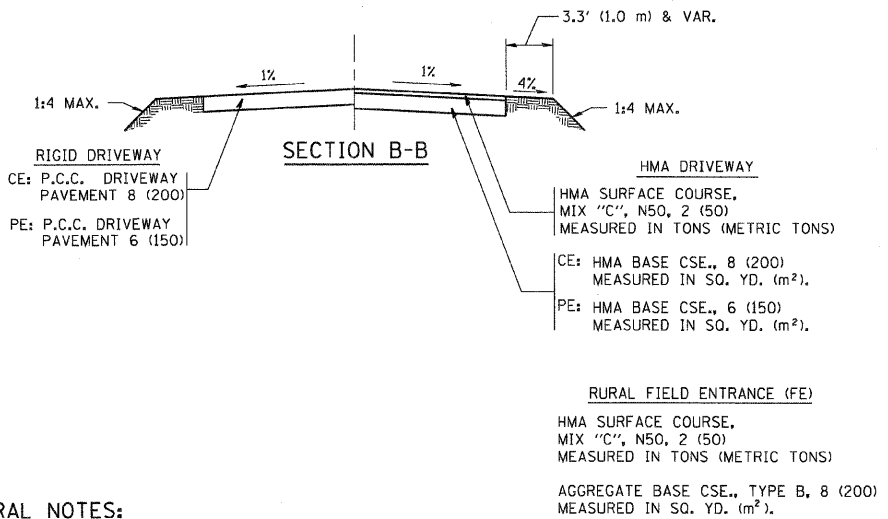
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

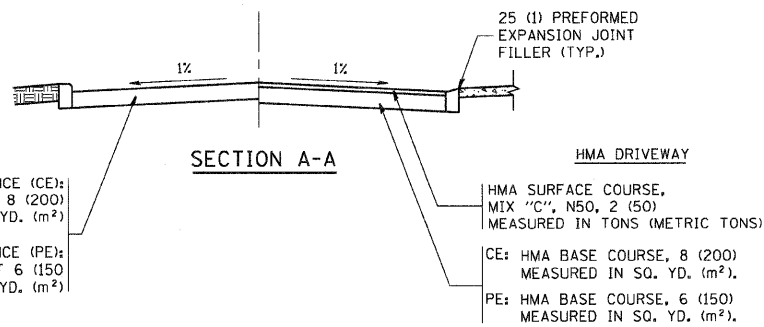
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

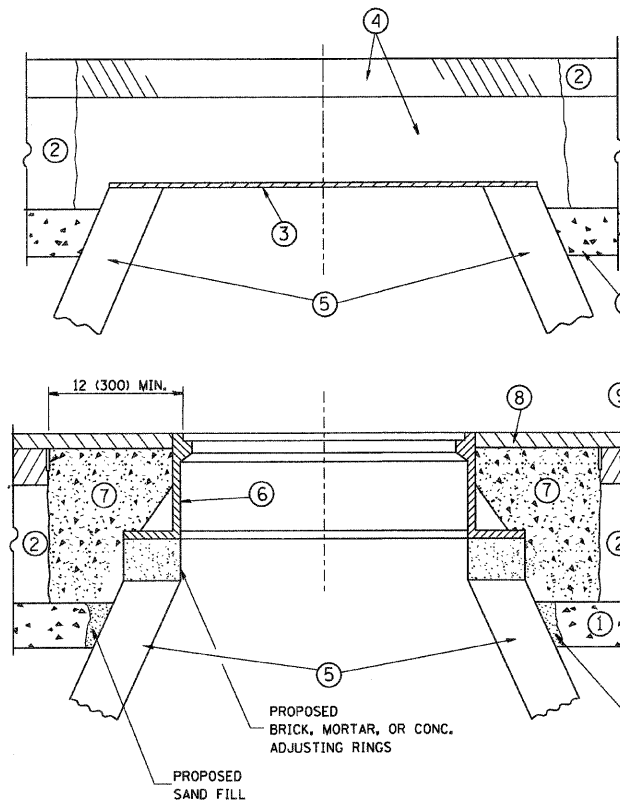
REVISIONS	
NAME	DATE
R. SHAH	11-04-95
J. POLLASTRINI	08-12-96
J. POLLASTRINI	12-14-96
A. ABBAS	03-21-97
T. HOLTZ	04-08-97
M. GOMEZ	04-06-01
P. LAFLEUR	04-15-03
R. BORO	01-01-07
R. BORO	06-11-08

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRIVEWAY DETAILS
 DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)

SCALE: VERT. NONE
 HORIZ.

DRAWN BY
 CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			243	213
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS S1 CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS S1 CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

NOTES:

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

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

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

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

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

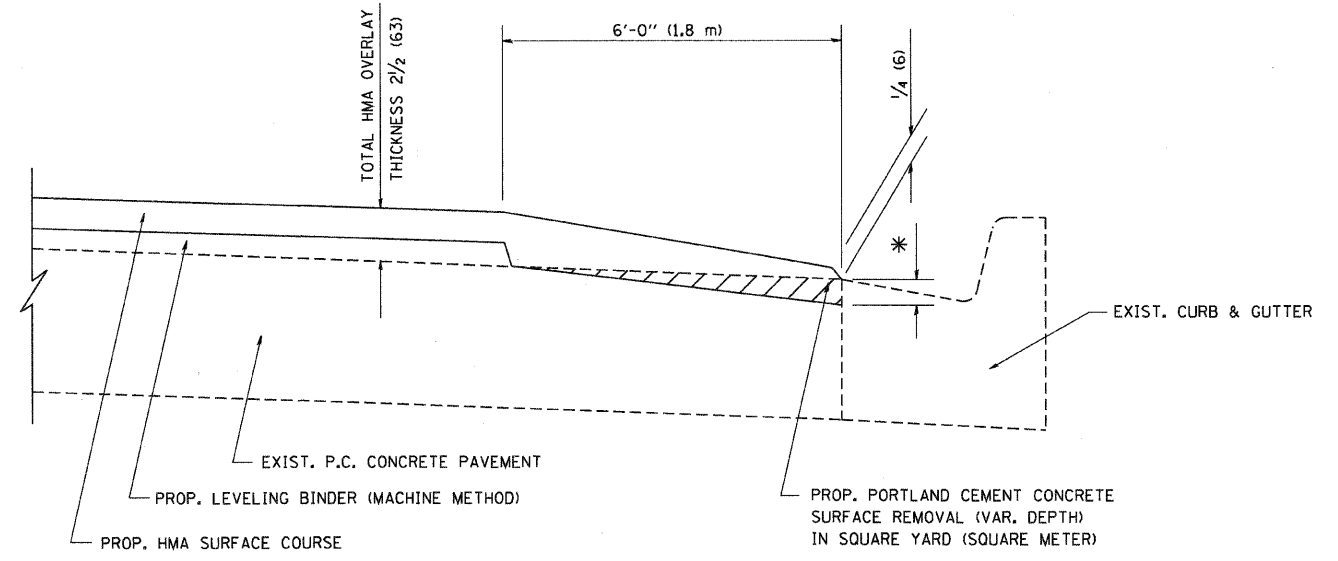
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REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: VERT. NONE
HORIZ. NONE

DRAWN BY
CHECKED BY



HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

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

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

REVISIONS	
NAME	DATE
R. SHAH	09/10/94
R. SHAH	10/25/94
A. ABBAS	05/05/99
E. GOMEZ	12/21/00
R. BORO	01/01/07

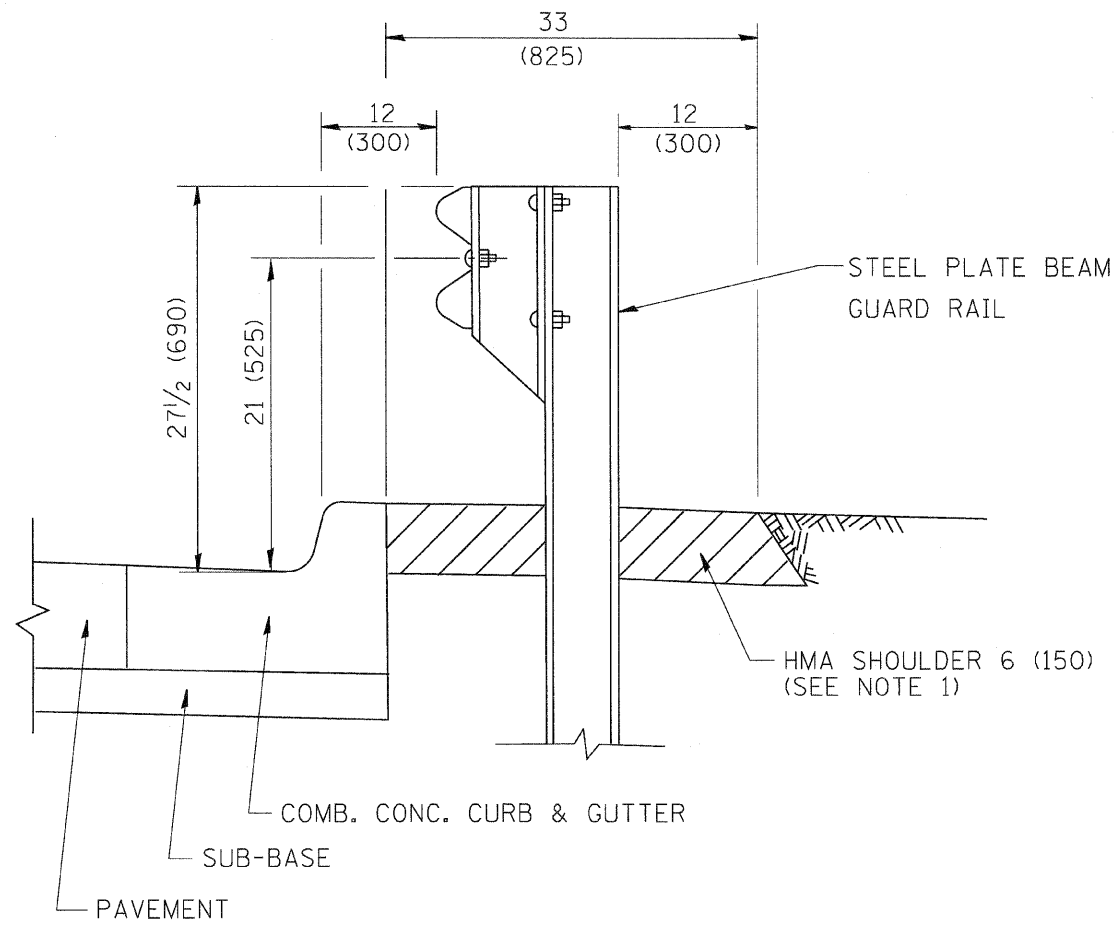
ILLINOIS DEPARTMENT OF TRANSPORTATION

HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

SCALE: VERT. NONE
HORIZ. NONE

DRAWN BY Jis
CHECKED BY A. ABBAS

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			243	215
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

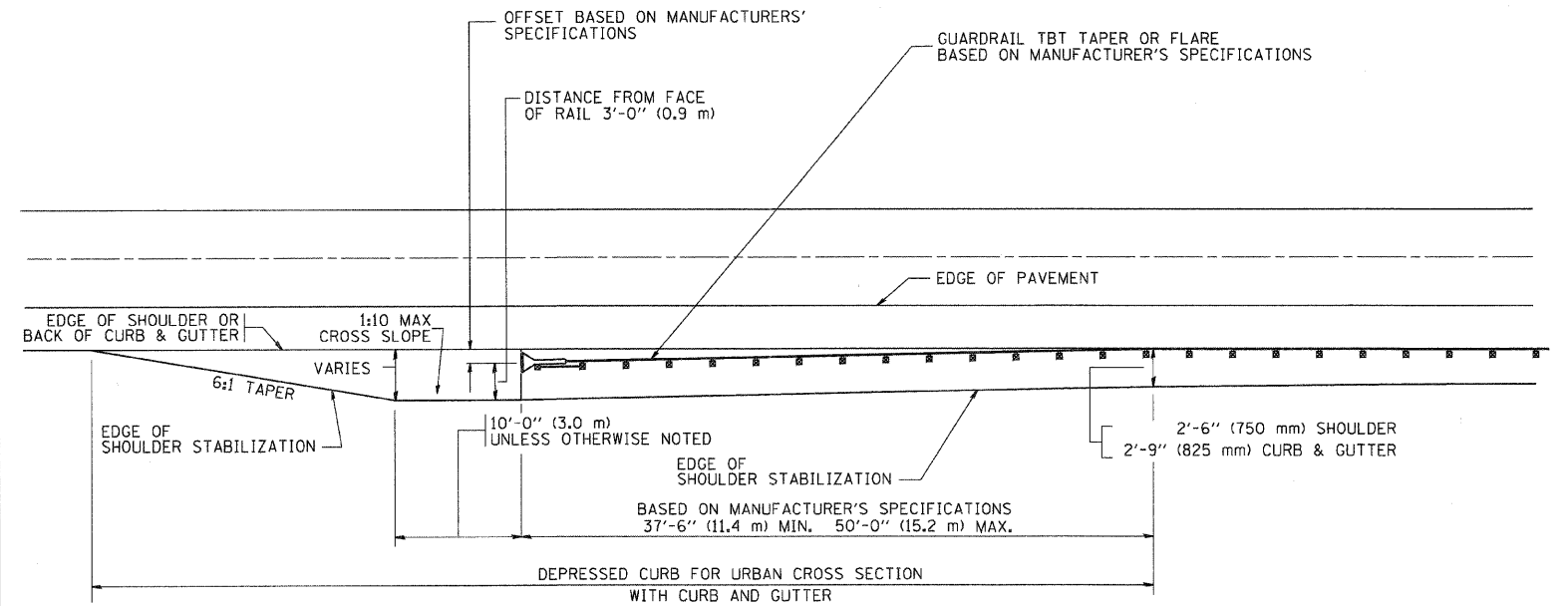


- NOTES: 1. THE HMA SHOULDER SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL
2. GUARD RAIL MAY BE PLACED AT THE BACK OF CURB WHEN DIRECTED BY THE ENGINEER.

BASIS OF PAYMENT: HMA SHOULDER 6 (150) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDER 6" (150 mm)".

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

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



STABILIZATION AT TBT TY. 1 SPL.

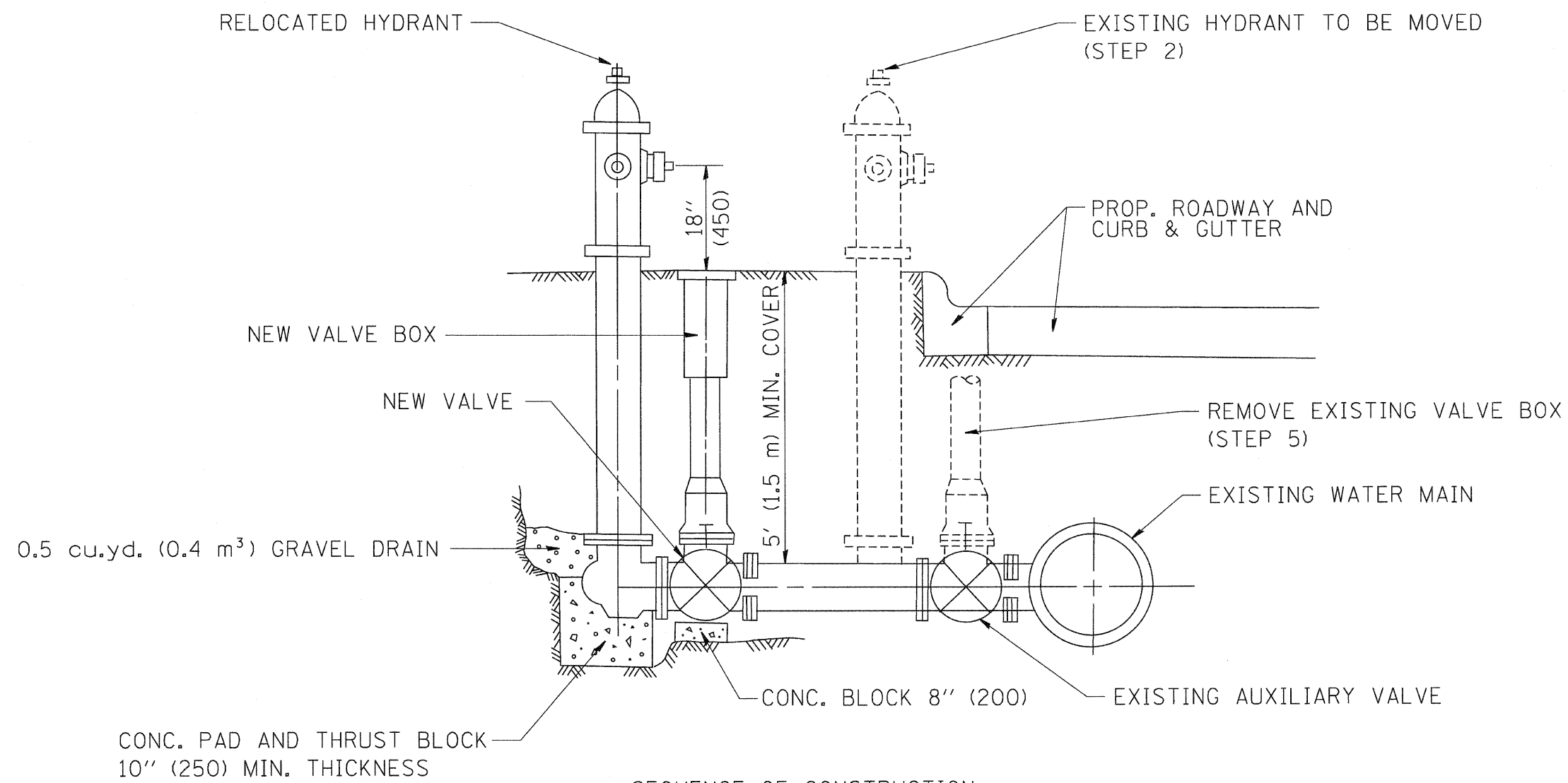
TBT = TRAFFIC BARRIER TERMINAL
 ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

REVISIONS	
NAME	DATE
M. DE YONG	09-22-90
M. DE YONG	07-14-92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	02/23/95
A. ABBAS	03/21/97
E. GOMEZ	08/28/00
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER STABILIZATION AT TBT TY 1 SPL.

SCALE: VERT. NONE
 HORIZ. NONE
 DRAWN BY: jls
 CHECKED BY:

PLOT DATE = 12/17/2008
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = gggierob



SEQUENCE OF CONSTRUCTION:

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

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

FIRE HYDRANT TO BE MOVED

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

REVISIONS	
NAME	DATE
R. SHAH	09/09/94
R. SHAH	10/25/94

ILLINOIS DEPARTMENT OF TRANSPORTATION

FIRE HYDRANT TO BE MOVED

SCALE: VERT. NONE
HORIZ.

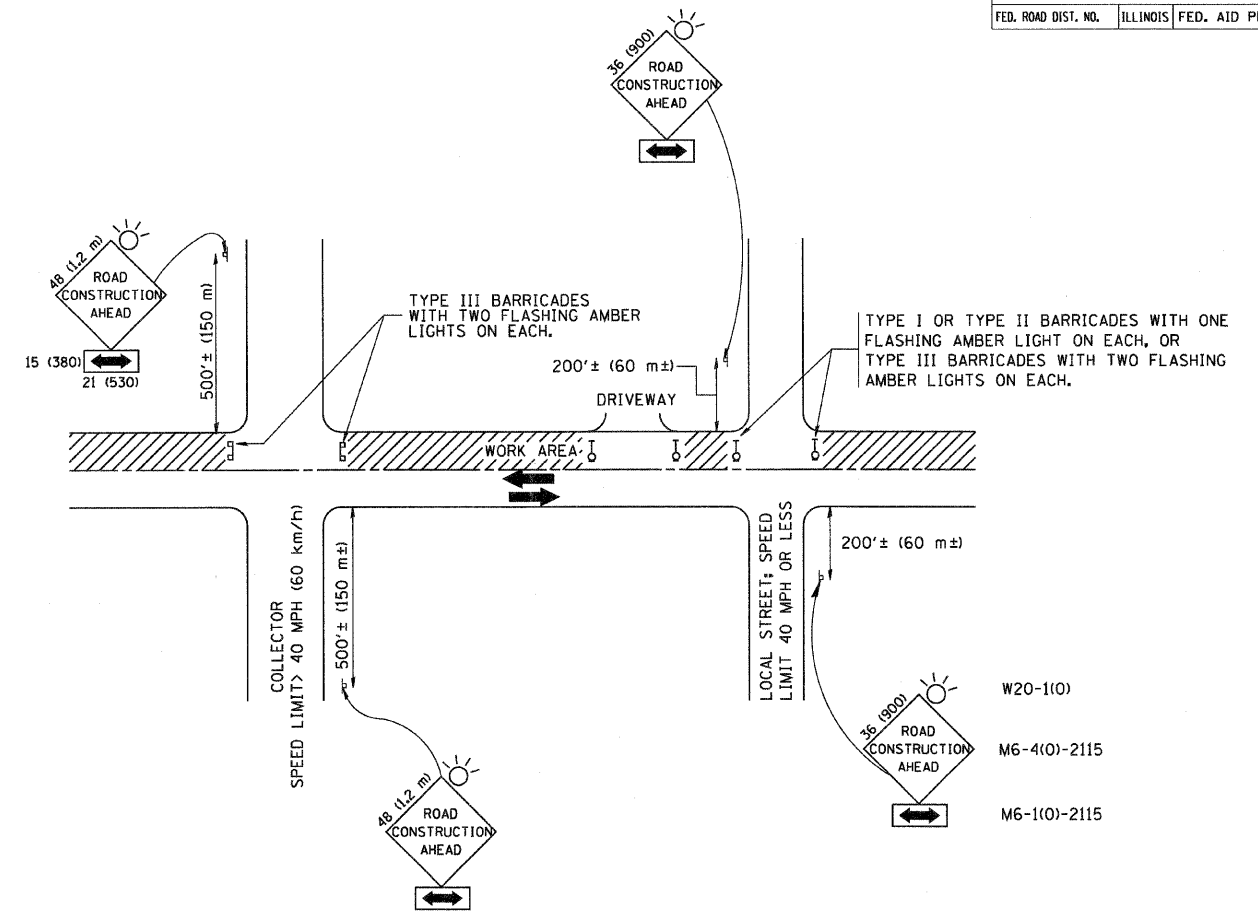
DRAWN BY
CHECKED BY

PLOT DATE = 3/5/2007
PLOT SCALE = 1/8" = 1'-0"
USER NAME = beaurd

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			243	217

STA.	TO STA.

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



- W20-1(0)
- M6-4(0)-2115
- M6-1(0)-2115

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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS**
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:**
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.**
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.**

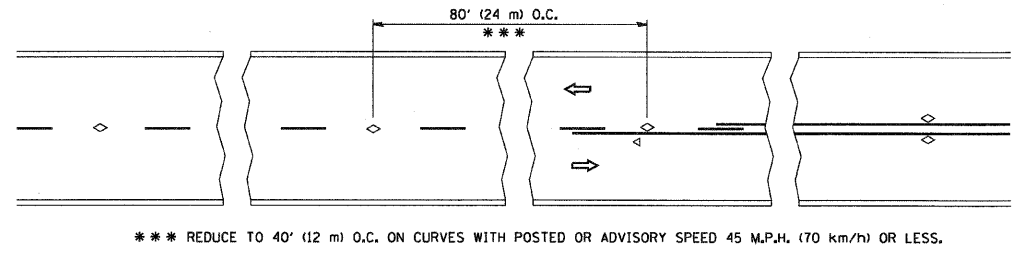
All dimensions are in millimeters (inches) unless otherwise shown.

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

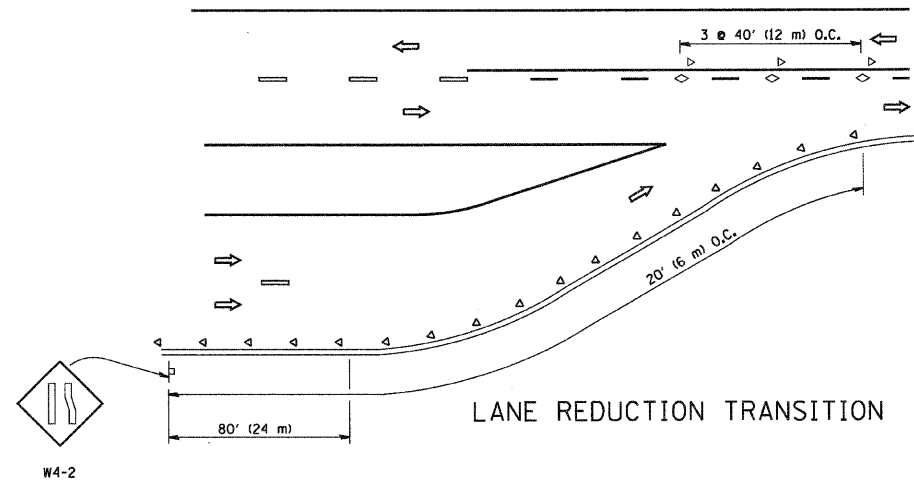
SCALE: NONE
 DRAWN BY
 CHECKED BY
 TC-10

PLOT DATE = 2/6/2007
 PLOT SCALE = 600000 / IN.
 USER NAME = bbaue-d

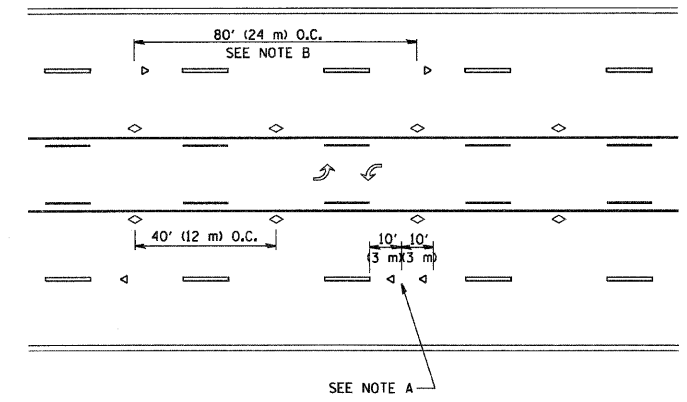


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

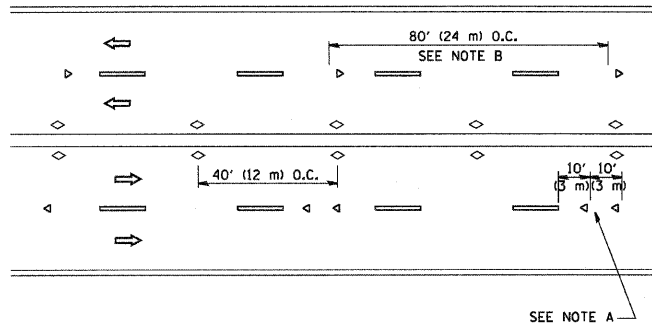
TWO-LANE/TWO-WAY



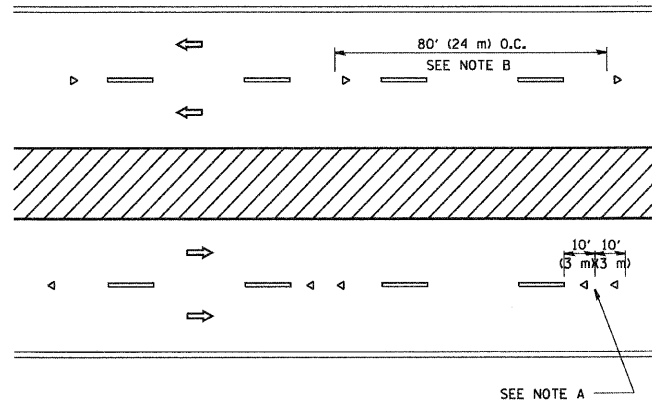
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

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

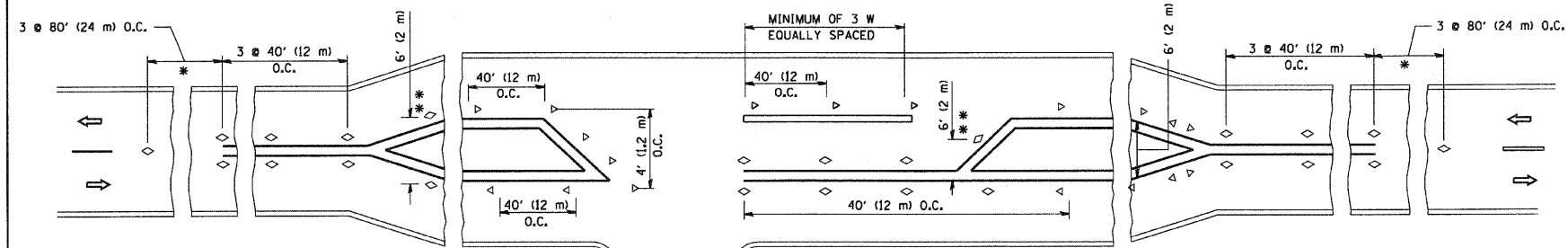
LANE MARKER NOTES

- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

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



LEFT TURN

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

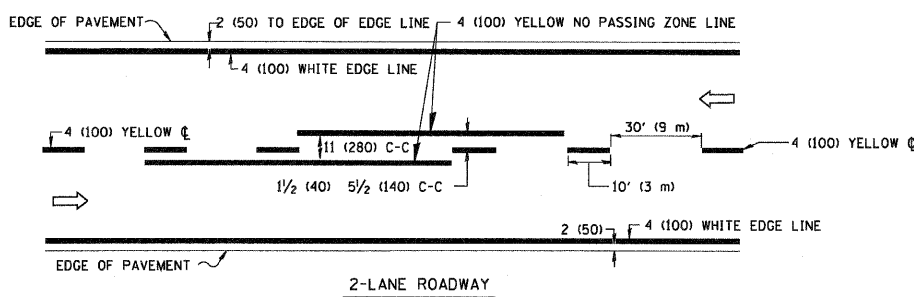
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT
 MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE
 DRAWN BY CADD
 CHECKED BY
 TC-11

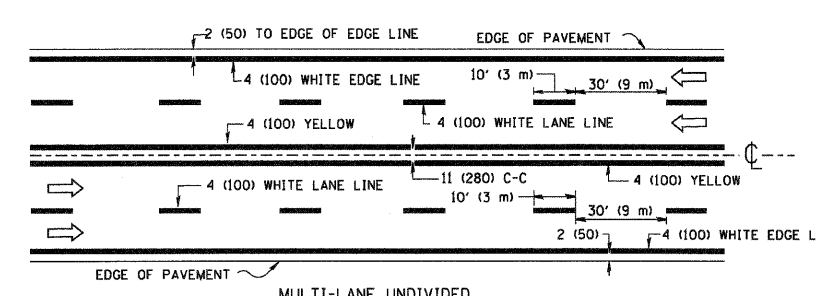
PLOT DATE = 2/6/2007
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = bauer-dl

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			243	219

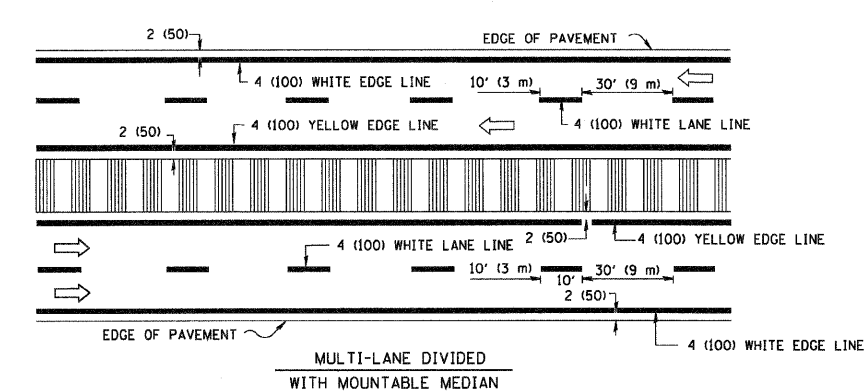
STA. TO STA.
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



2-LANE ROADWAY



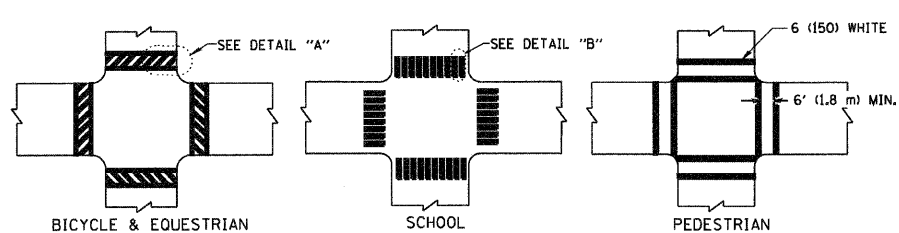
MULTI-LANE UNDIVIDED



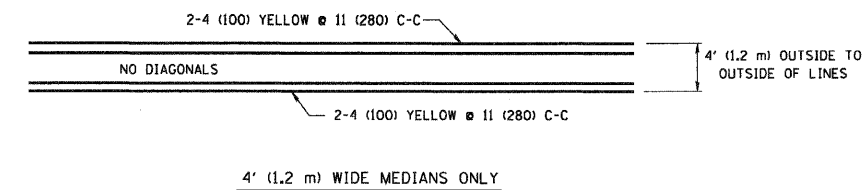
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

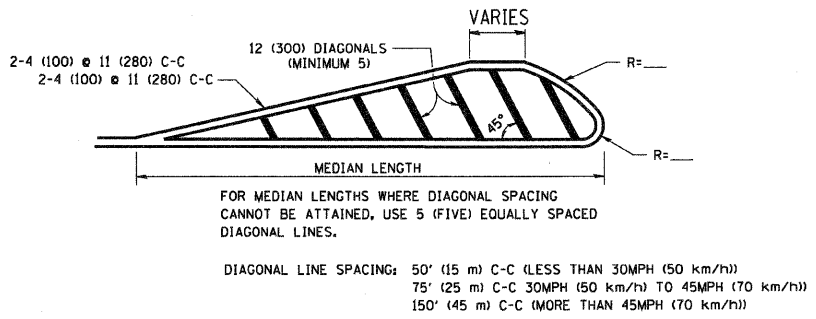
TYPICAL LANE AND EDGE LINE MARKING



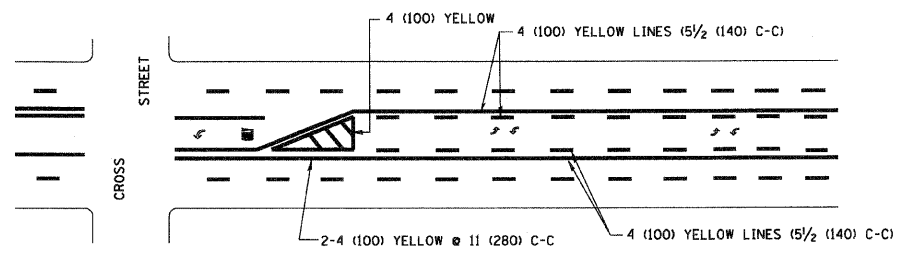
TYPICAL CROSSWALK MARKING



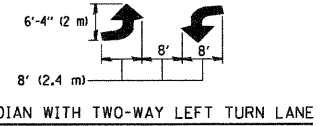
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

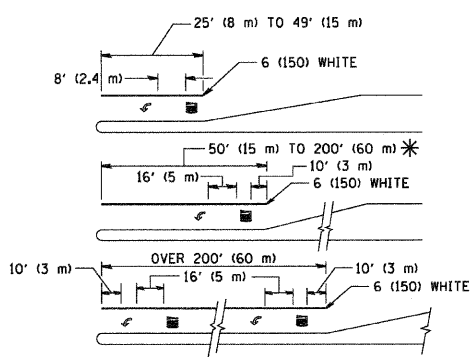


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

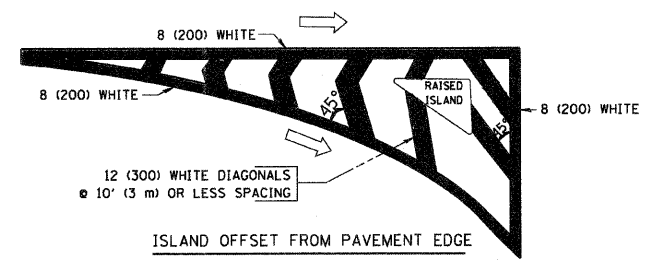
TYPICAL PAINTED MEDIAN MARKING



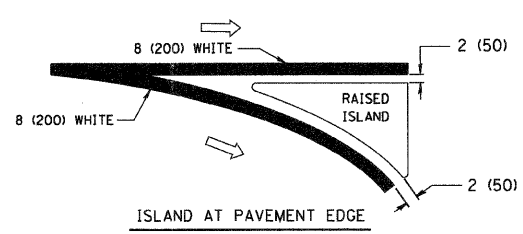
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100)	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

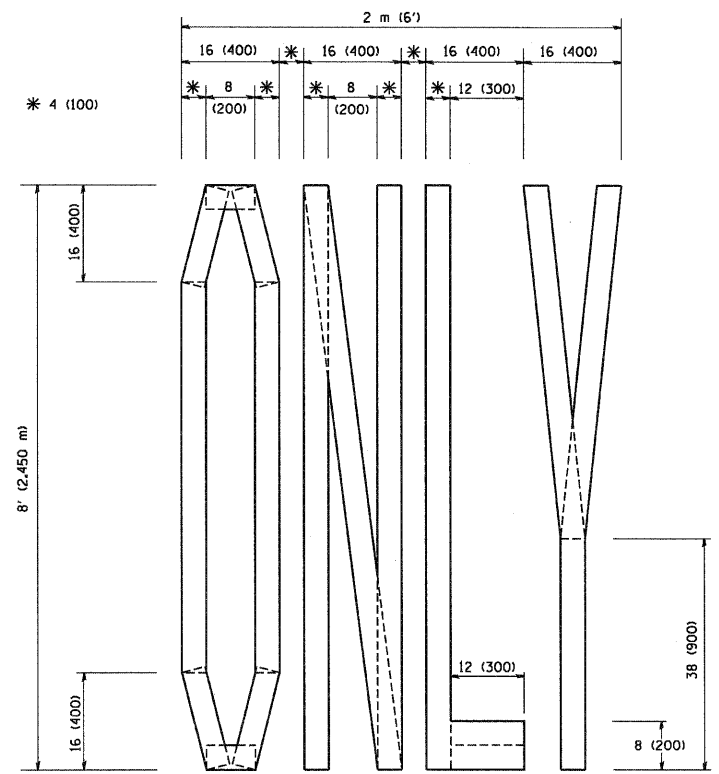
SCALE: NONE

DRAWN BY CADD

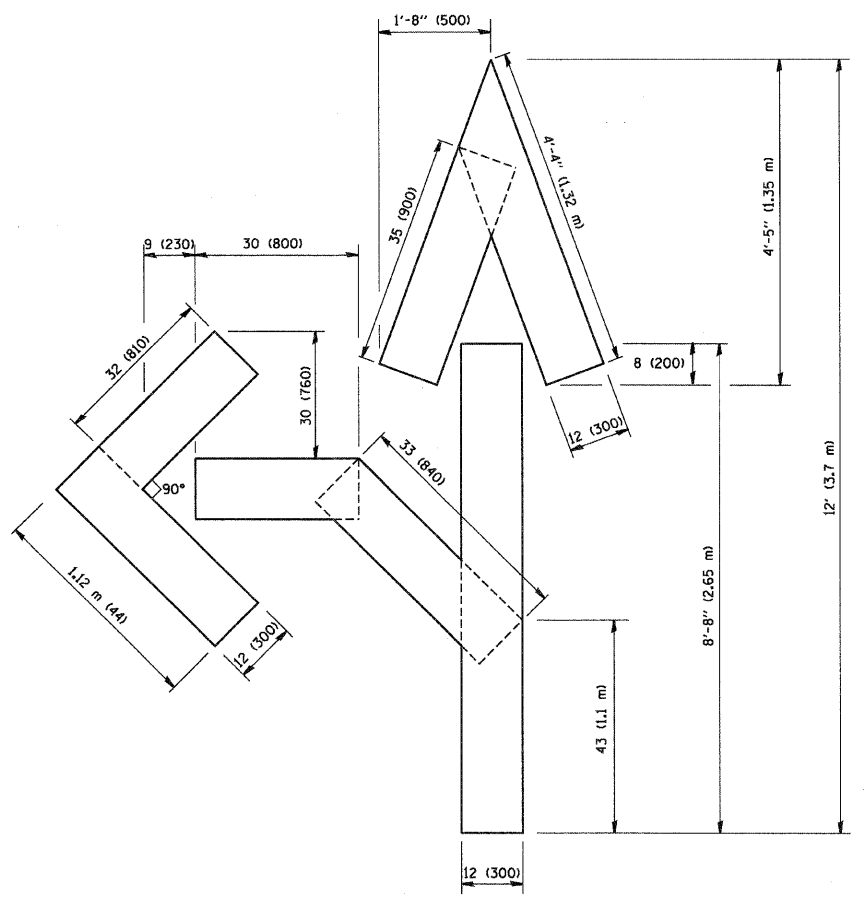
CHECKED BY

TC-13

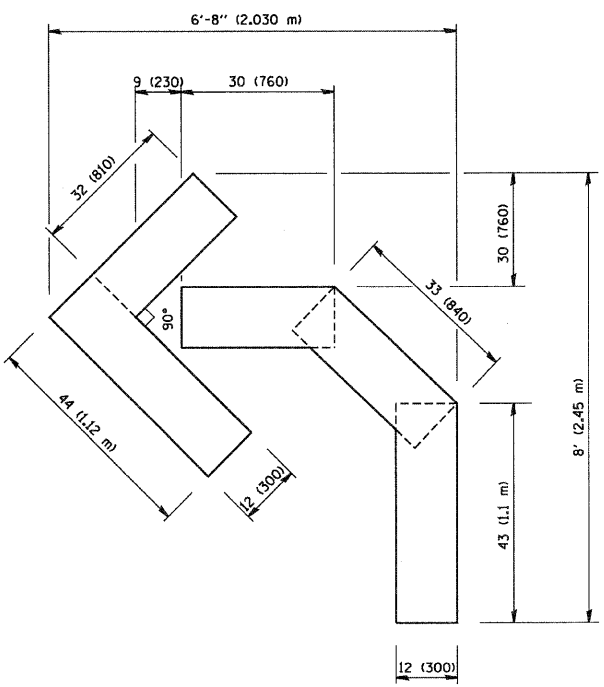
CONTRACT NO.			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
			243
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	SHEET NO. 220



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



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



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

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING
 LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

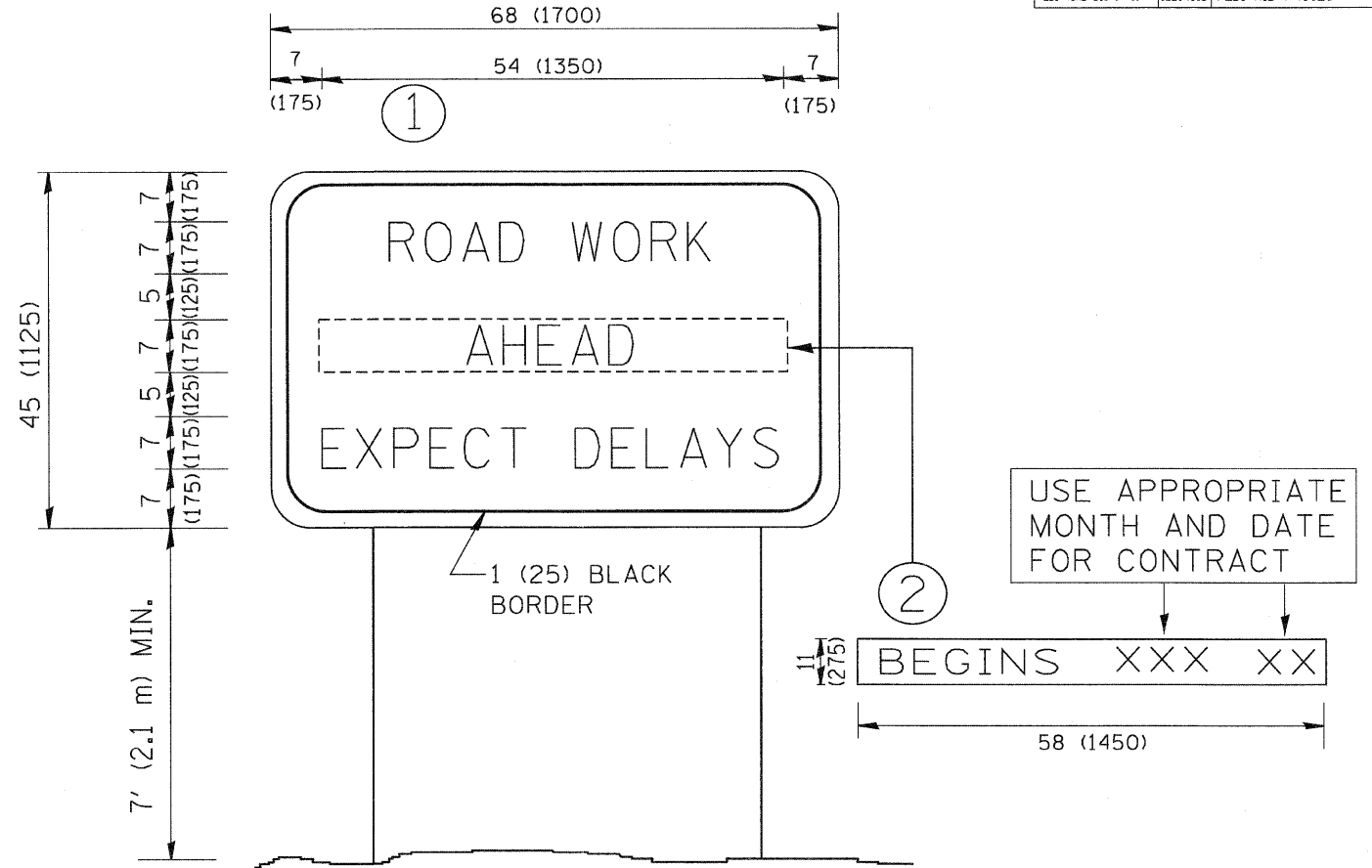
SCALE: NONE

DRAWN BY CADD

CHECKED BY

TC-16

PLOT DATE = 3/7/2007
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = bauer-dl



NOTES:

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

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

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99
C. JUCIUS	1-31-07

ILLINOIS DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

SCALE: NONE

DRAWN BY DESIGN
CHECKED BY

☐ SOUTHWEST HIGHWAY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	STA. 4+500	TO STA. 4+525	243	223
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 62388		
		186		

DATE _____ BY _____

FINAL SURVEY NOTE BOOK NO. _____

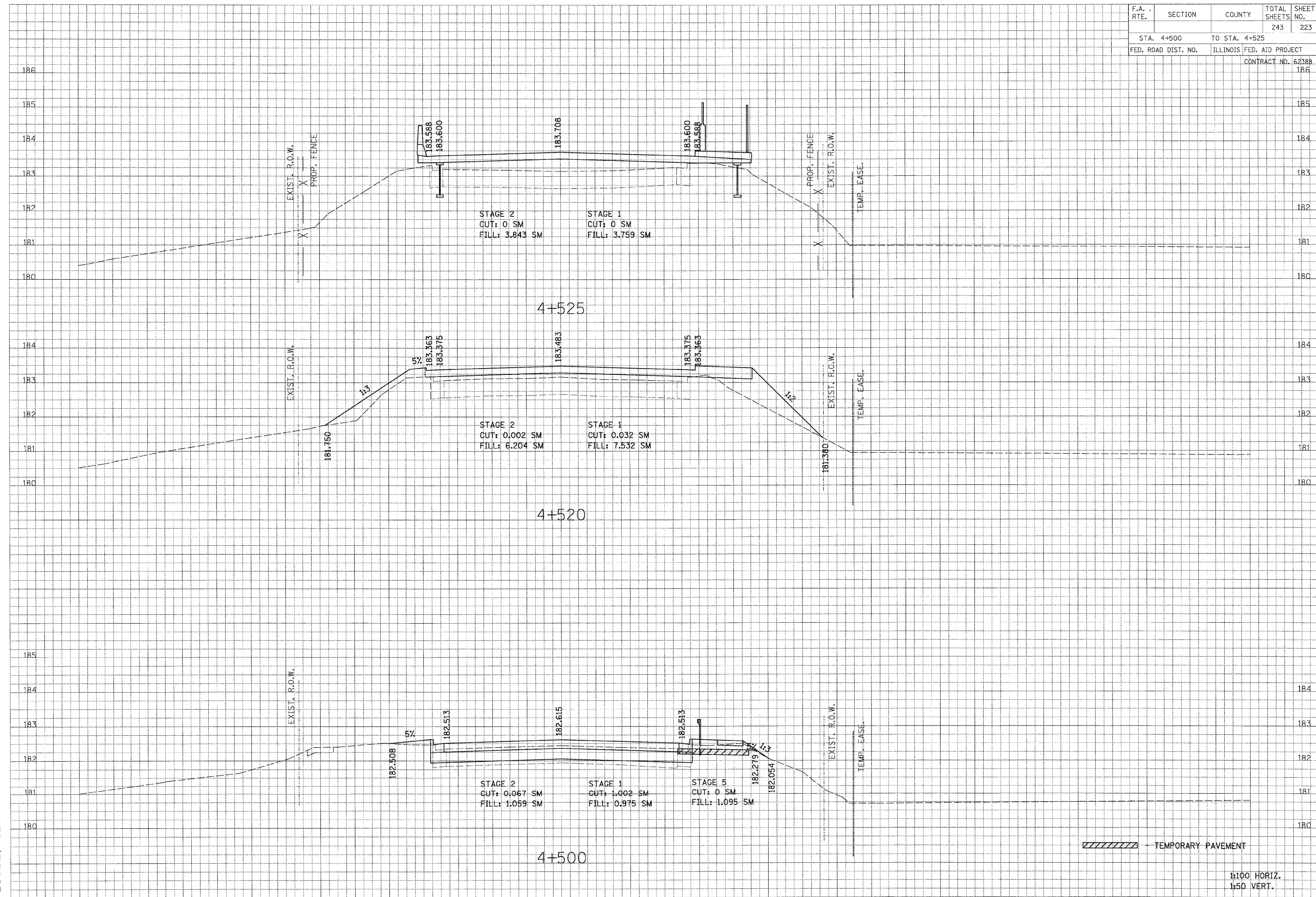
SURVEYED PLOTTED AREAS CHECKED

DATE _____ BY _____

ORIGINAL SURVEY NOTE BOOK NO. _____

SURVEYED PLOTTED AREAS CHECKED

PATRICK ENGINEERING INC.
LISLE, ILLINOIS



1:kappanRovry_L1stle 6/26/2003 6:20:12 AM G:\1001\8556_A0\Drawings\RDW\ah1a\Xsec\Std\hxs_8556A0.dgn

26 24 22 20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38

1:100 HORIZ.
1:50 VERT.

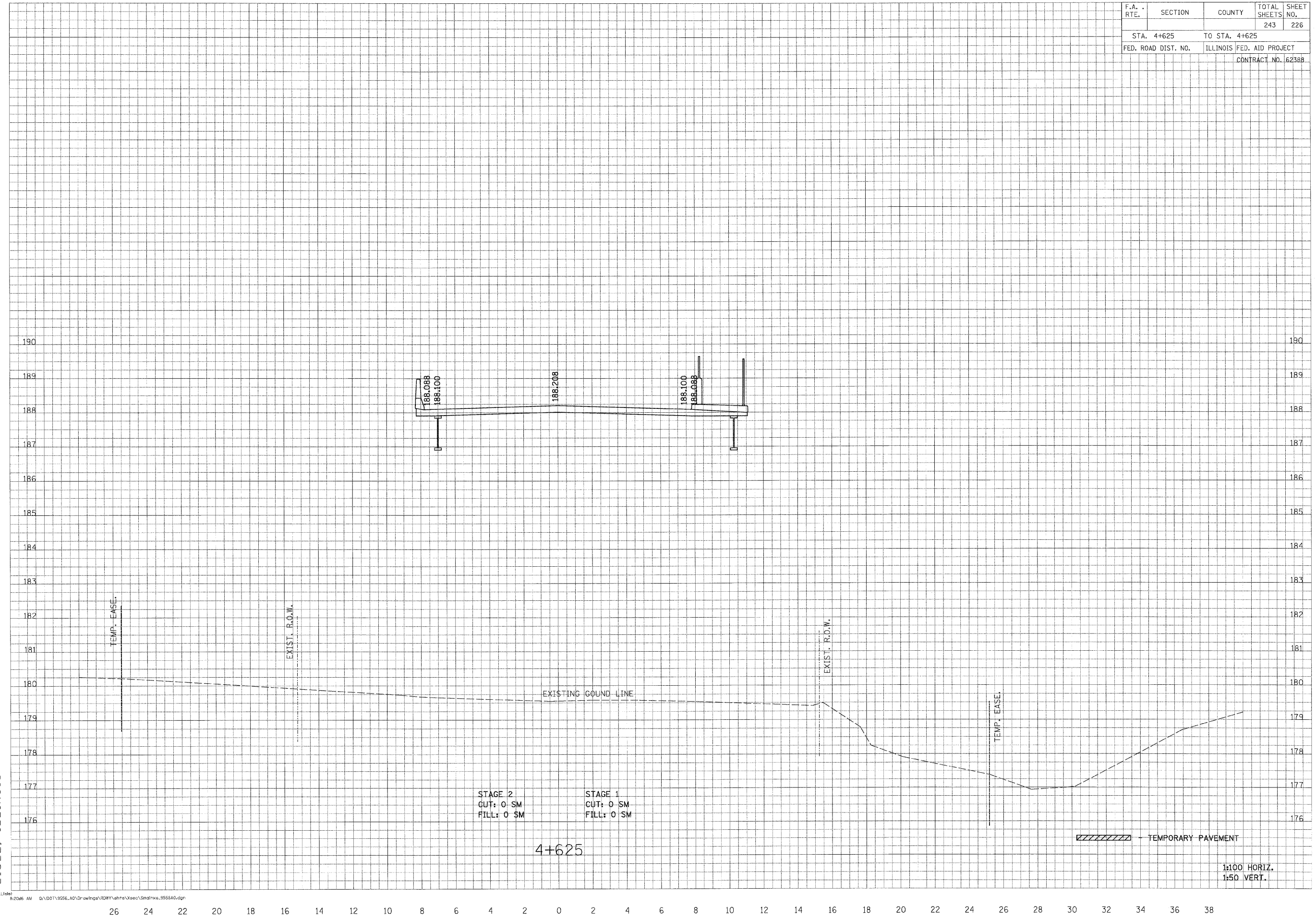
☐ SOUTHWEST HIGHWAY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	4+625		243	226
STA. 4+625		TO STA. 4+625		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62388				

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

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

PATRICK ENGINEERING INC.
LISLE, ILLINOIS



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6/26/2009

1:100 HORIZ.
1:50 VERT.

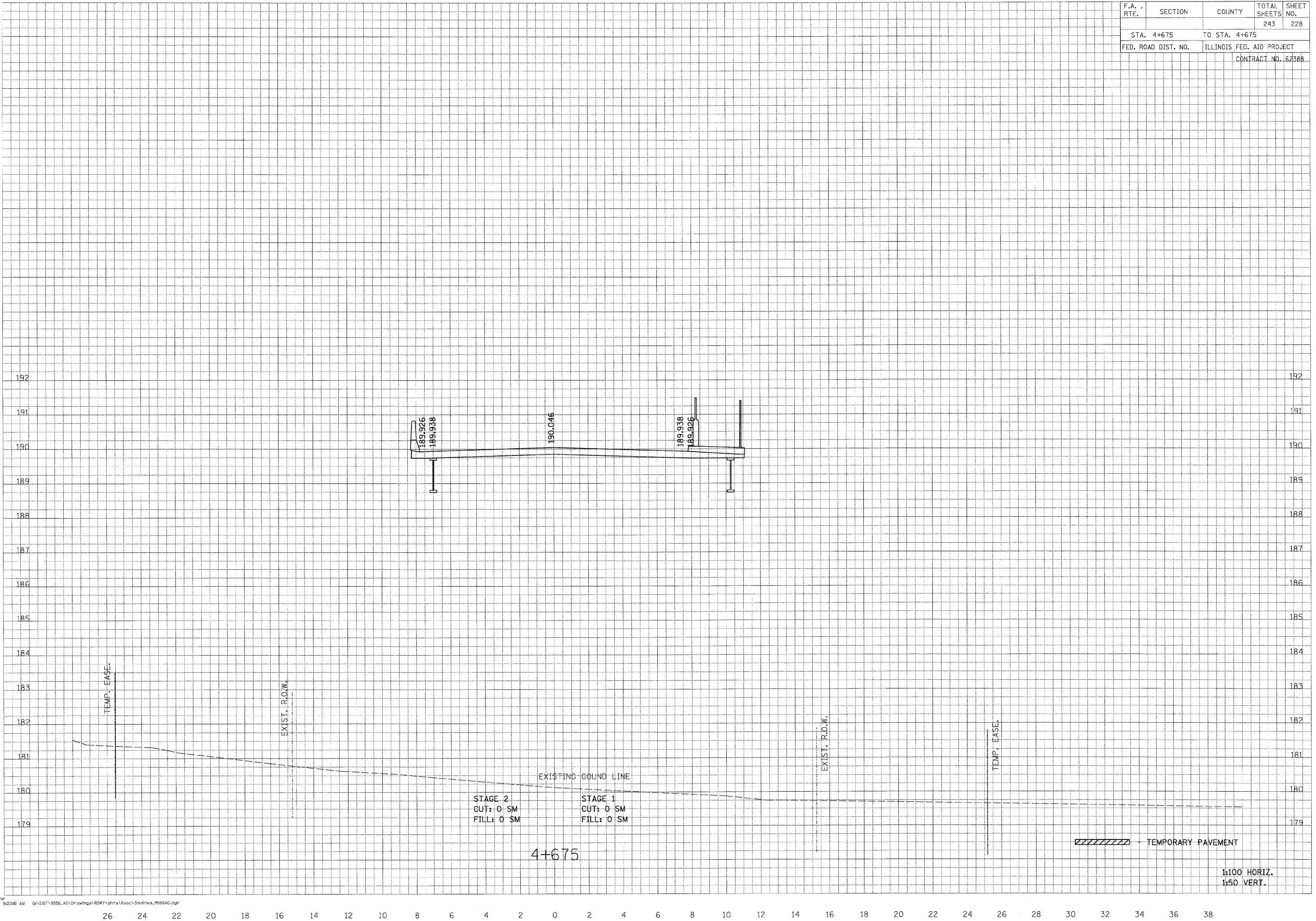
☐ SOUTHWEST HIGHWAY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	STA. 4+675		243	228
	TO STA. 4+675			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
	CONTRACT NO. 62388			

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	AREAS	
	CHECKED	

PATRICK ENGINEERING INC.
LISLE, ILLINOIS



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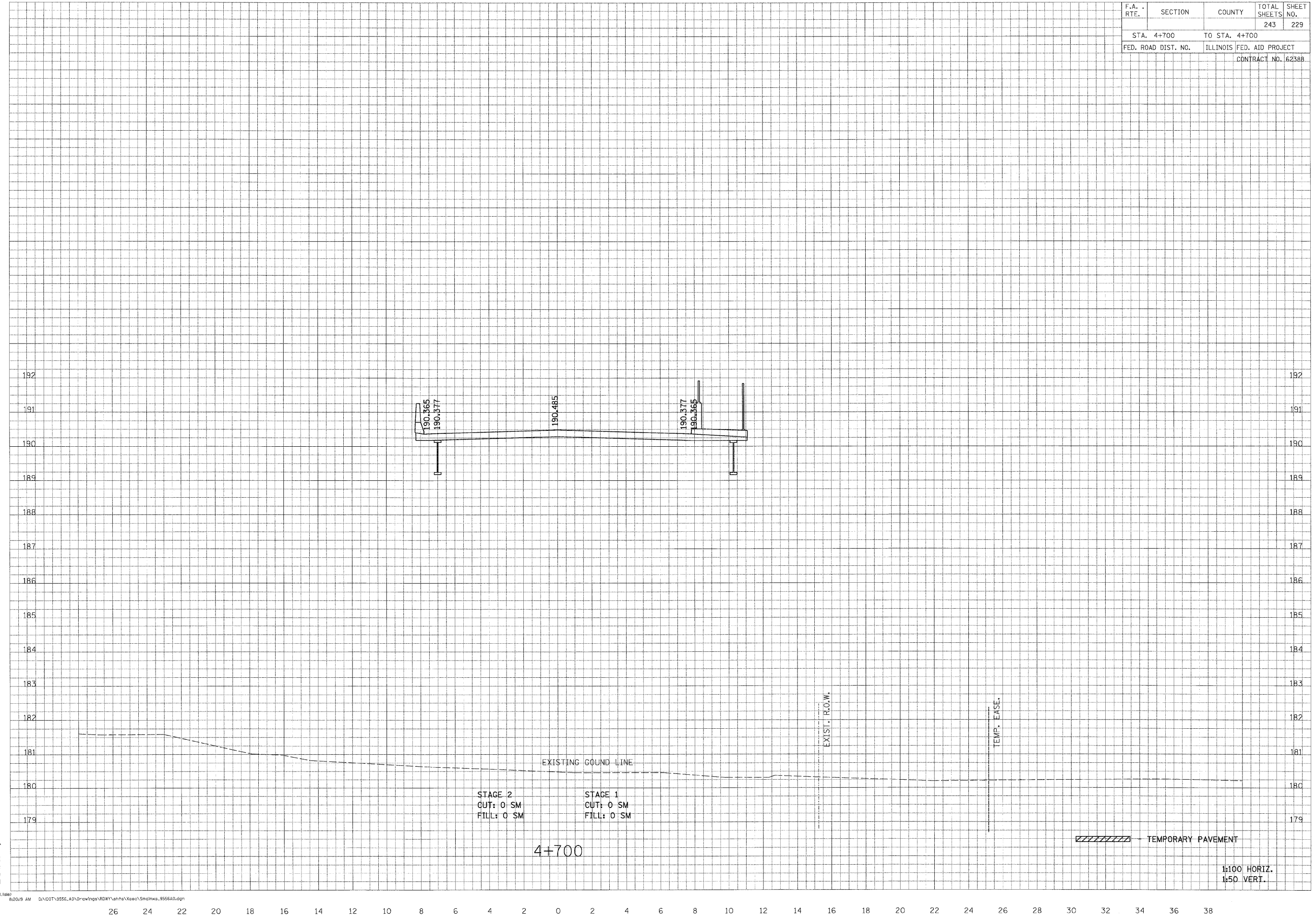
1:100 HORIZ.
1:50 VERT.

☪ SOUTHWEST HIGHWAY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			243	229
STA. 4+700		TO STA. 4+700		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 6238B				

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

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



STAGE 2
CUT: 0 SM
FILL: 0 SM

STAGE 1
CUT: 0 SM
FILL: 0 SM

4+700

TEMPORARY PAVEMENT

1:100 HORIZ.
1:50 VERT.

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☪ SOUTHWEST HIGHWAY

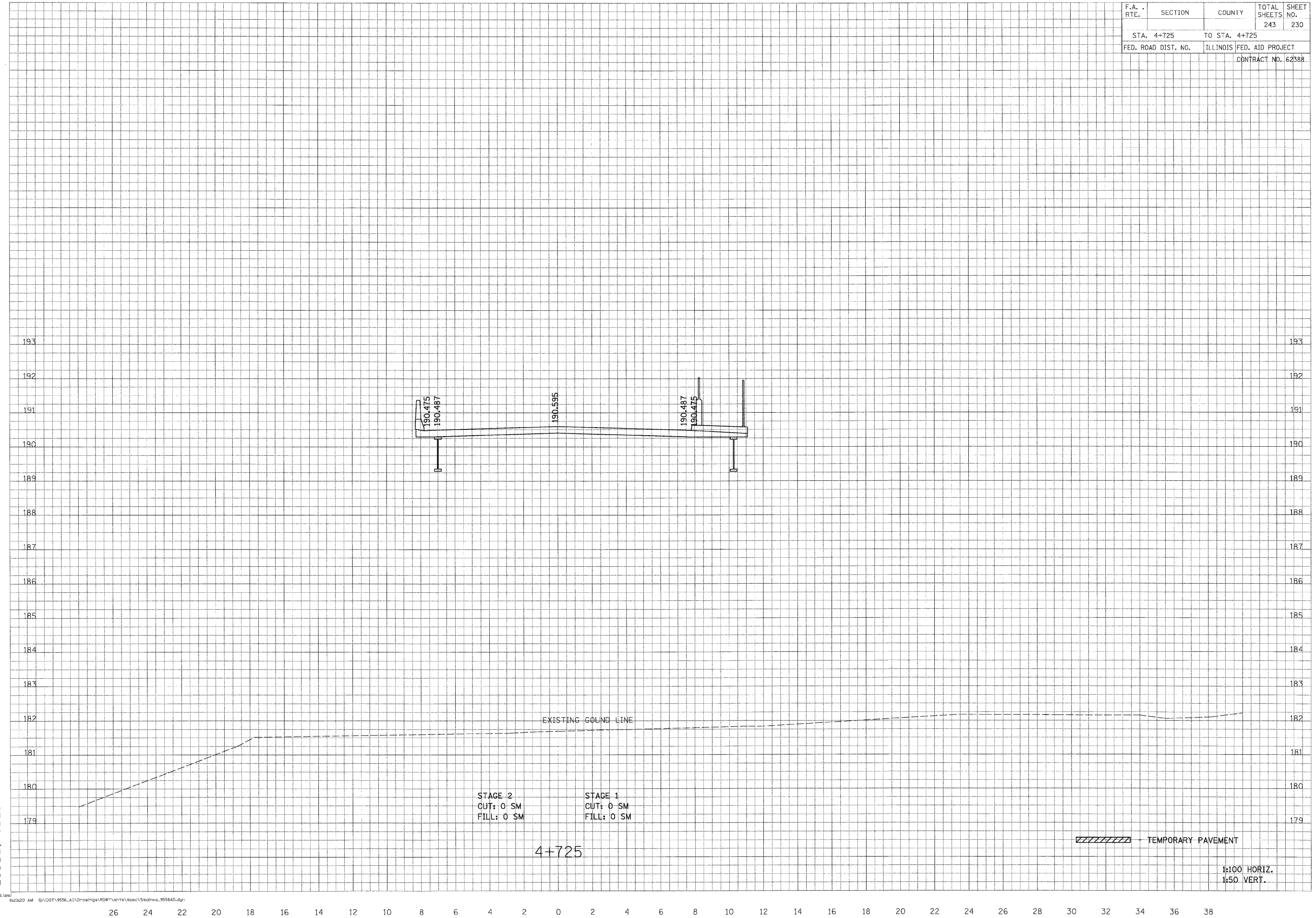
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	STA. 4+725		243	230
	TO STA. 4+725			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 62388		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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	CHECKED		

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NO.:	PLOTTED		
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PATRICK ENGINEERING INC.
LISLE, ILLINOIS

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1:100 HORIZ.
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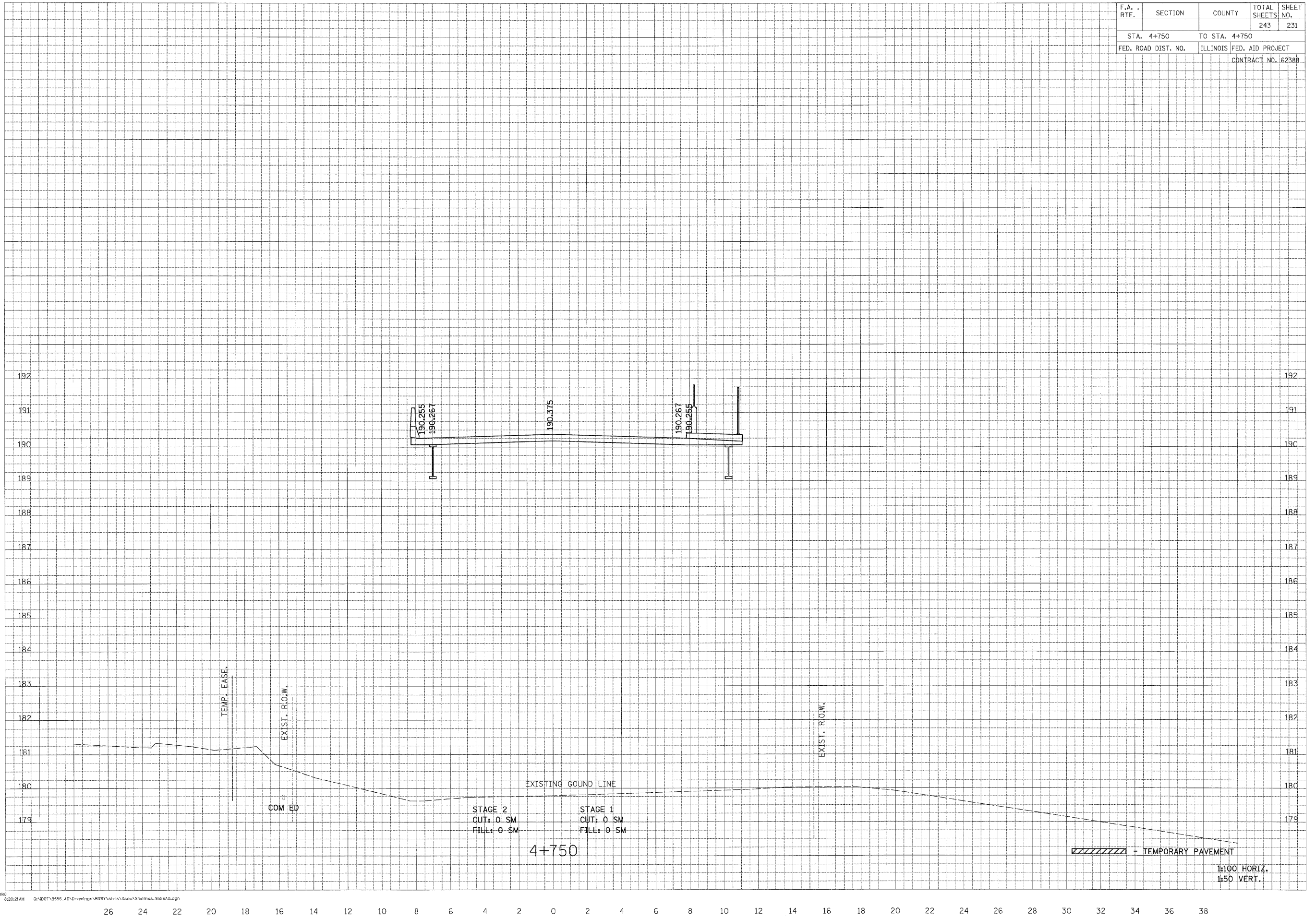
☪ SOUTHWEST HIGHWAY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			243	231
STA. 4+750		TO STA. 4+750		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62388				

FINAL SURVEY NO. _____	DATE _____
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SURVEYED _____	
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AREAS CHECKED _____	
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ORIGINAL SURVEY NO. _____	DATE _____
BY _____	
SURVEYED _____	
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AREAS CHECKED _____	
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PATRICK ENGINEERING INC.
LISLE, ILLINOIS



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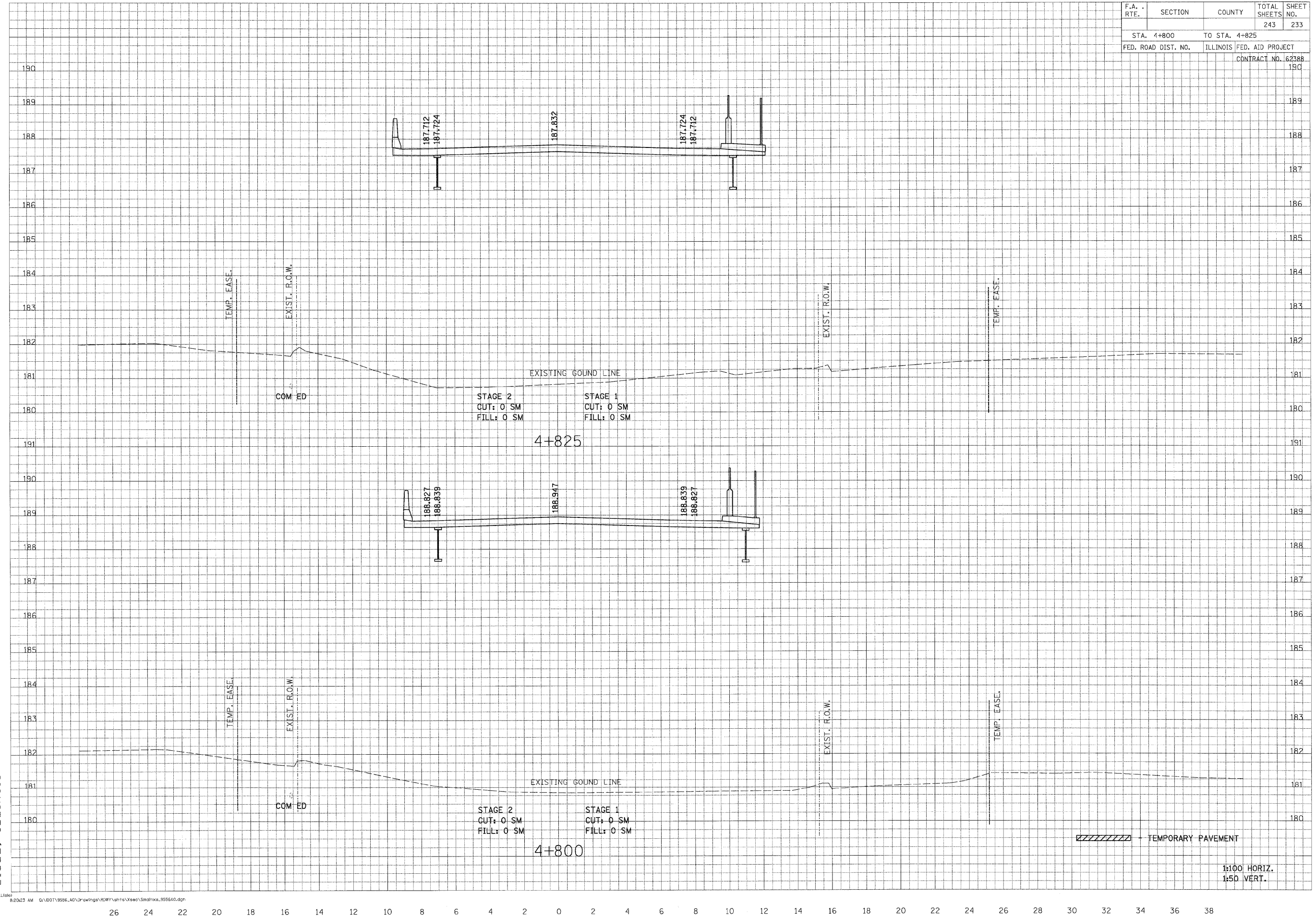
☐ SOUTHWEST HIGHWAY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			243	233
STA. 4+800		TO STA. 4+825		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 6238B				
190				

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

DATE _____ BY _____
 SURVEYED _____
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 AREAS CHECKED _____

PATRICK ENGINEERING INC.
 LISLE, ILLINOIS



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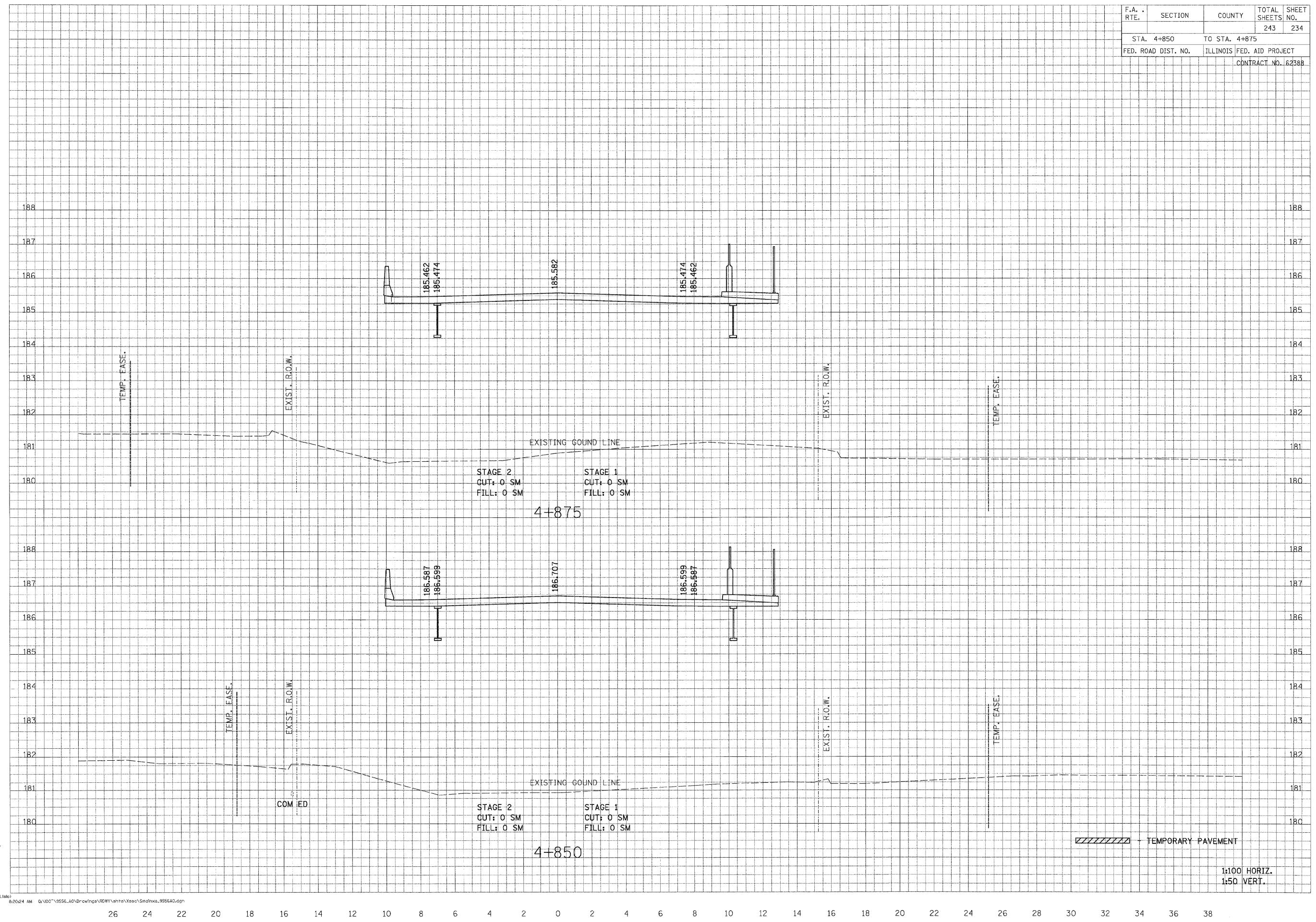
☐ SOUTHWEST HIGHWAY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			243	234
STA. 4+850		TO STA. 4+875		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62388				

DATE _____
 BY _____
 SURVEYED _____
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 NOTE BOOK _____
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DATE _____
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PATRICK ENGINEERING INC.
 LISLE, ILLINOIS



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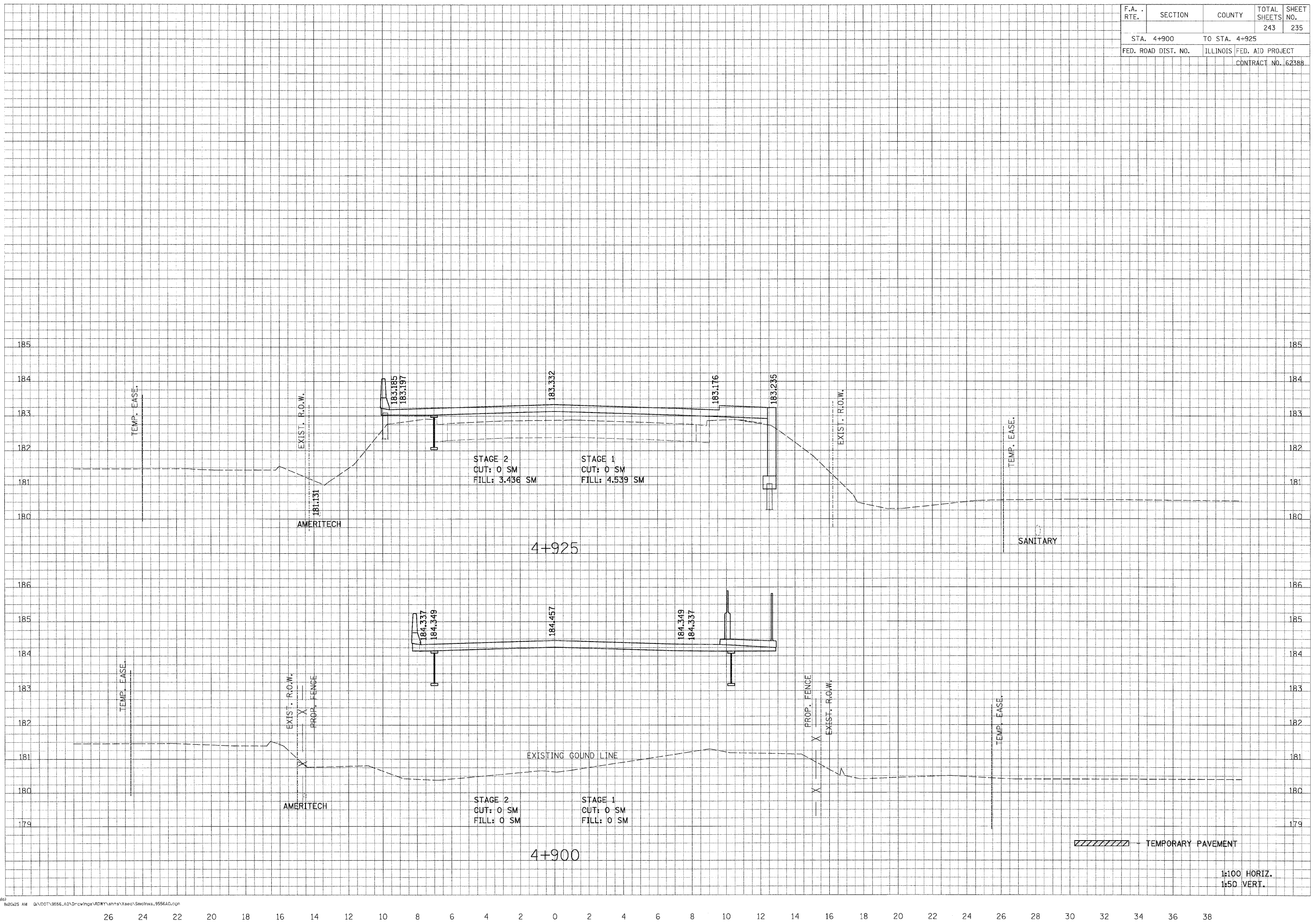
☐ SOUTHWEST HIGHWAY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	4+900		243	235
STA. 4+900		TO STA. 4+925		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62388				

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

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

PATRICK ENGINEERING INC.
LISLE, ILLINOIS



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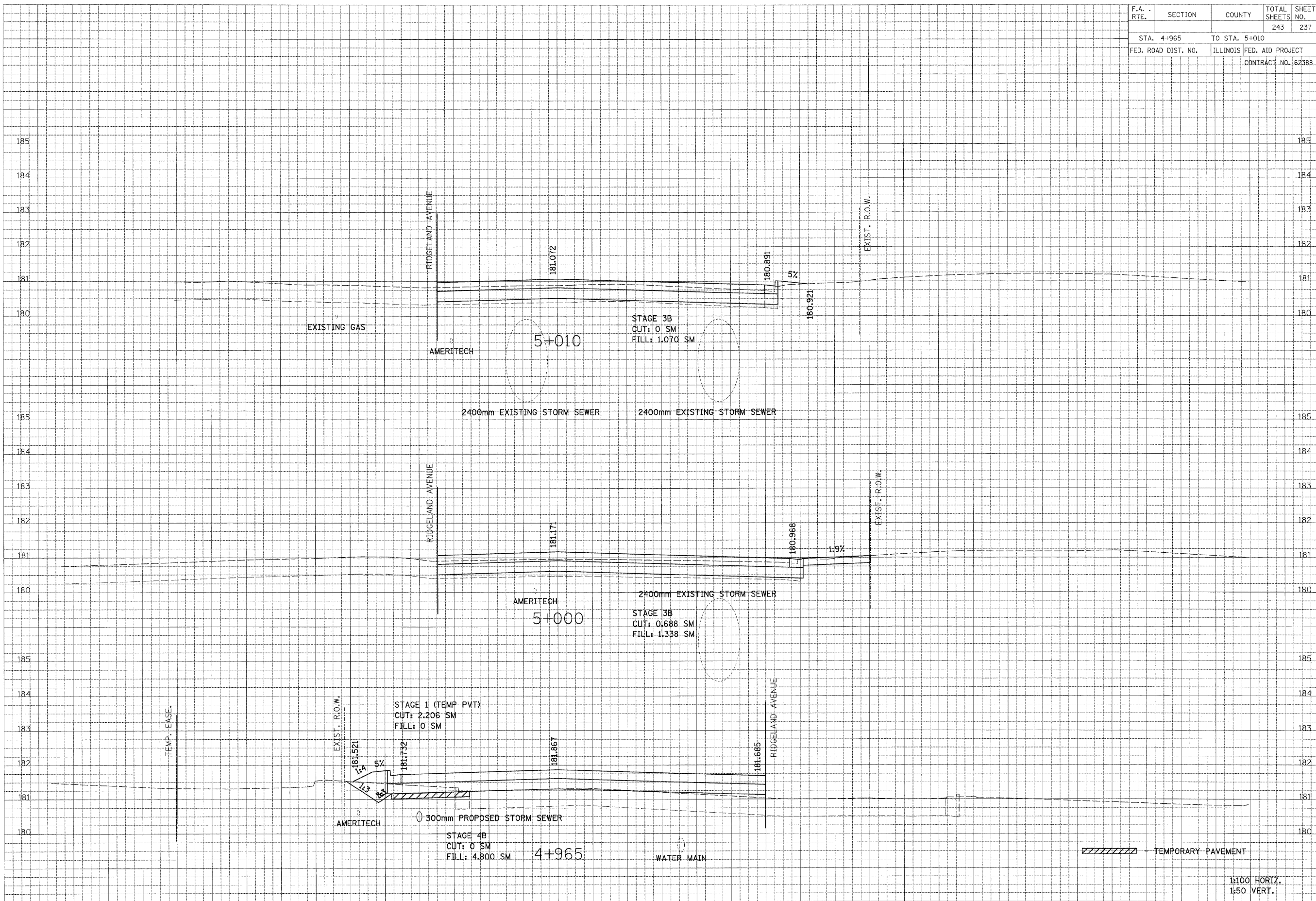
☐ SOUTHWEST HIGHWAY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			243	237
STA. 4+965		TO STA. 5+010		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62388				

FINAL SURVEY	DATE
BY	
NO. _____	

ORIGINAL SURVEY	DATE
BY	
NO. _____	

PATRICK ENGINEERING INC.
LISLE, ILLINOIS



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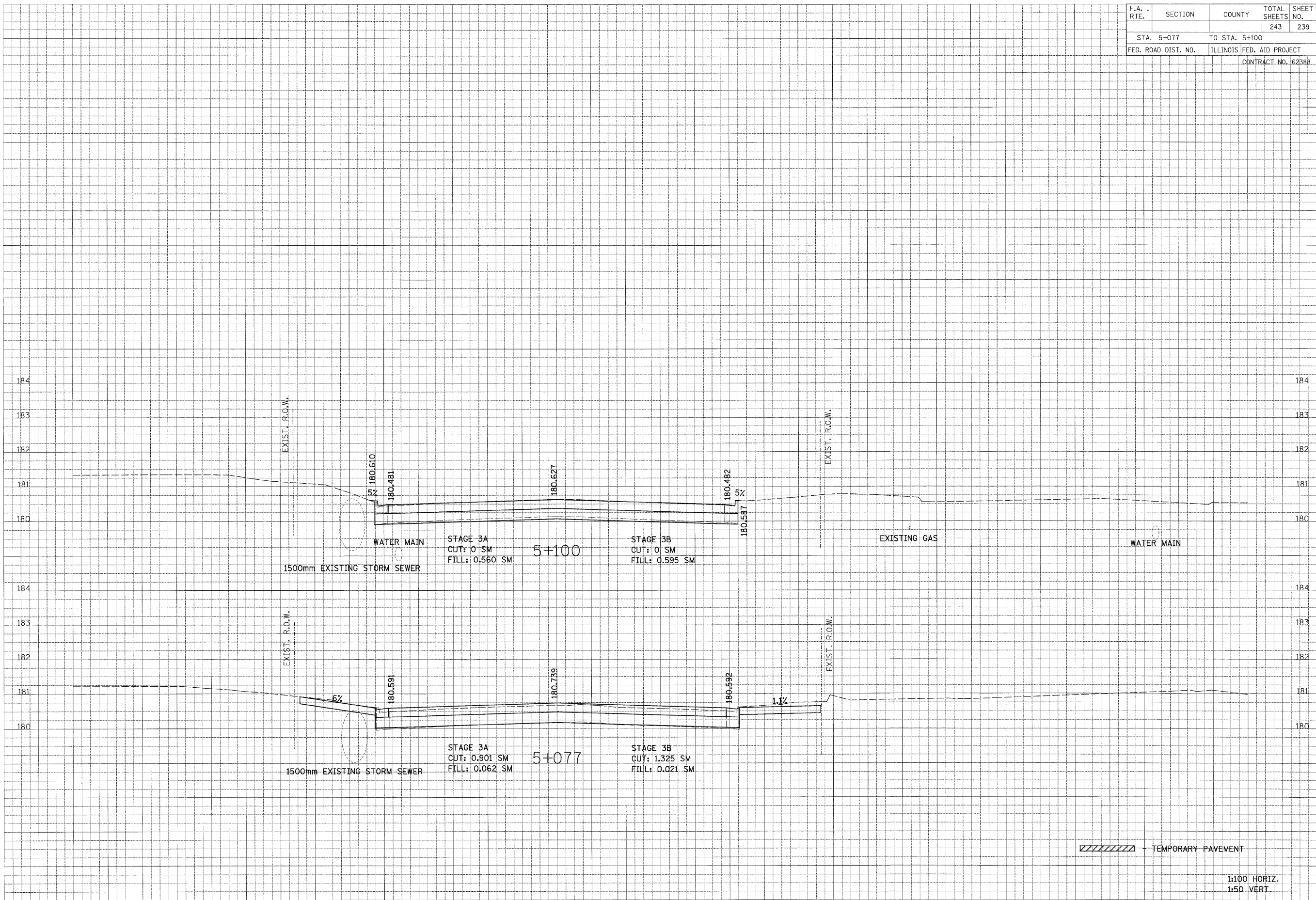
☐ SOUTHWEST HIGHWAY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	STA. 5+077	TO STA. 5+100	243	239
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 6238B	

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

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
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PATRICK ENGINEERING INC.
LISLE, ILLINOIS



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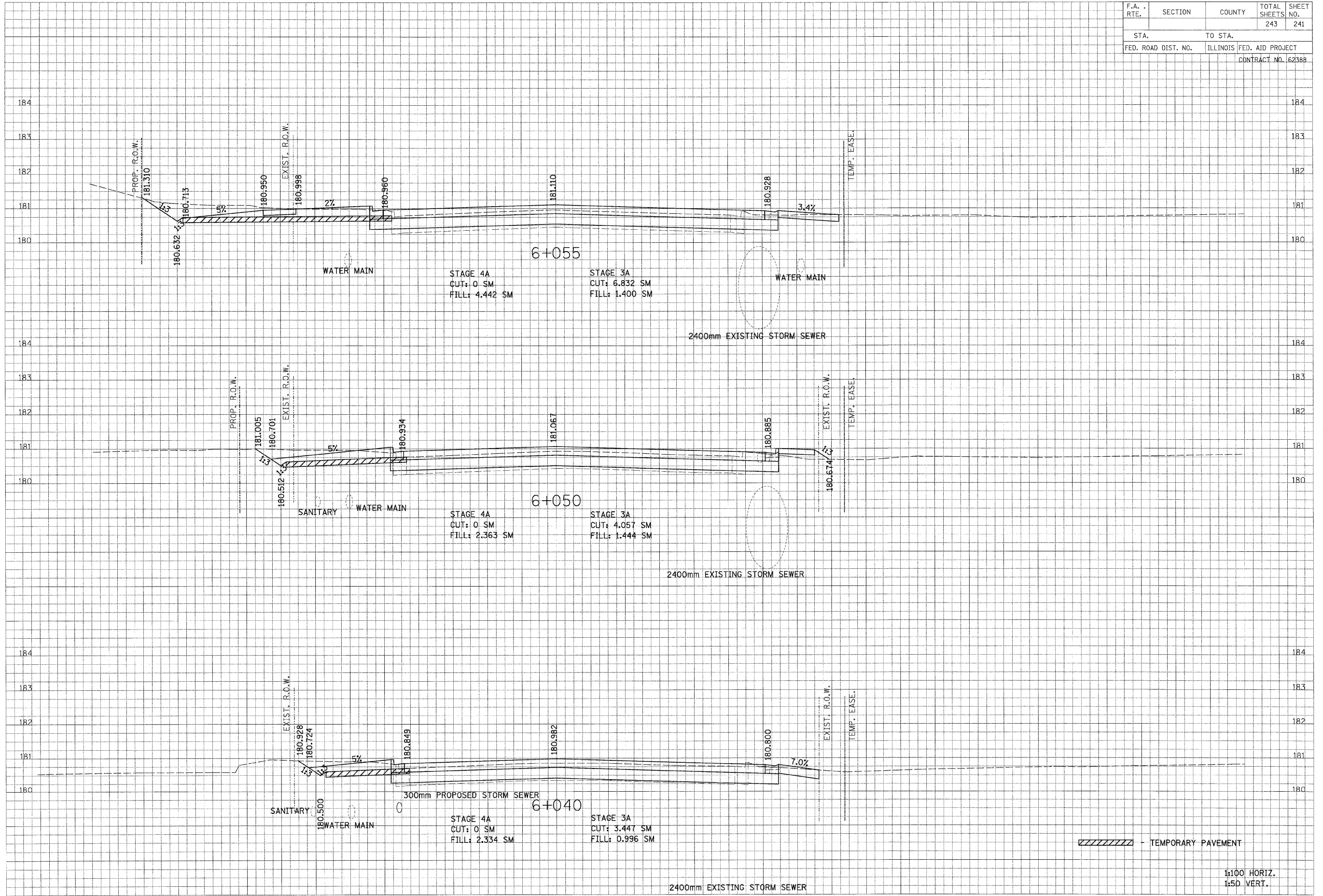
CL RIDGELAND AVENUE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			243	241
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 6238B				

FINAL SURVEY	BY	DATE
SURVEY PLOTTED		
NOTE BOOK		
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ORIGINAL SURVEY	BY	DATE
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PATRICK ENGINEERING INC.
LISLE, ILLINOIS



TEMPORARY PAVEMENT

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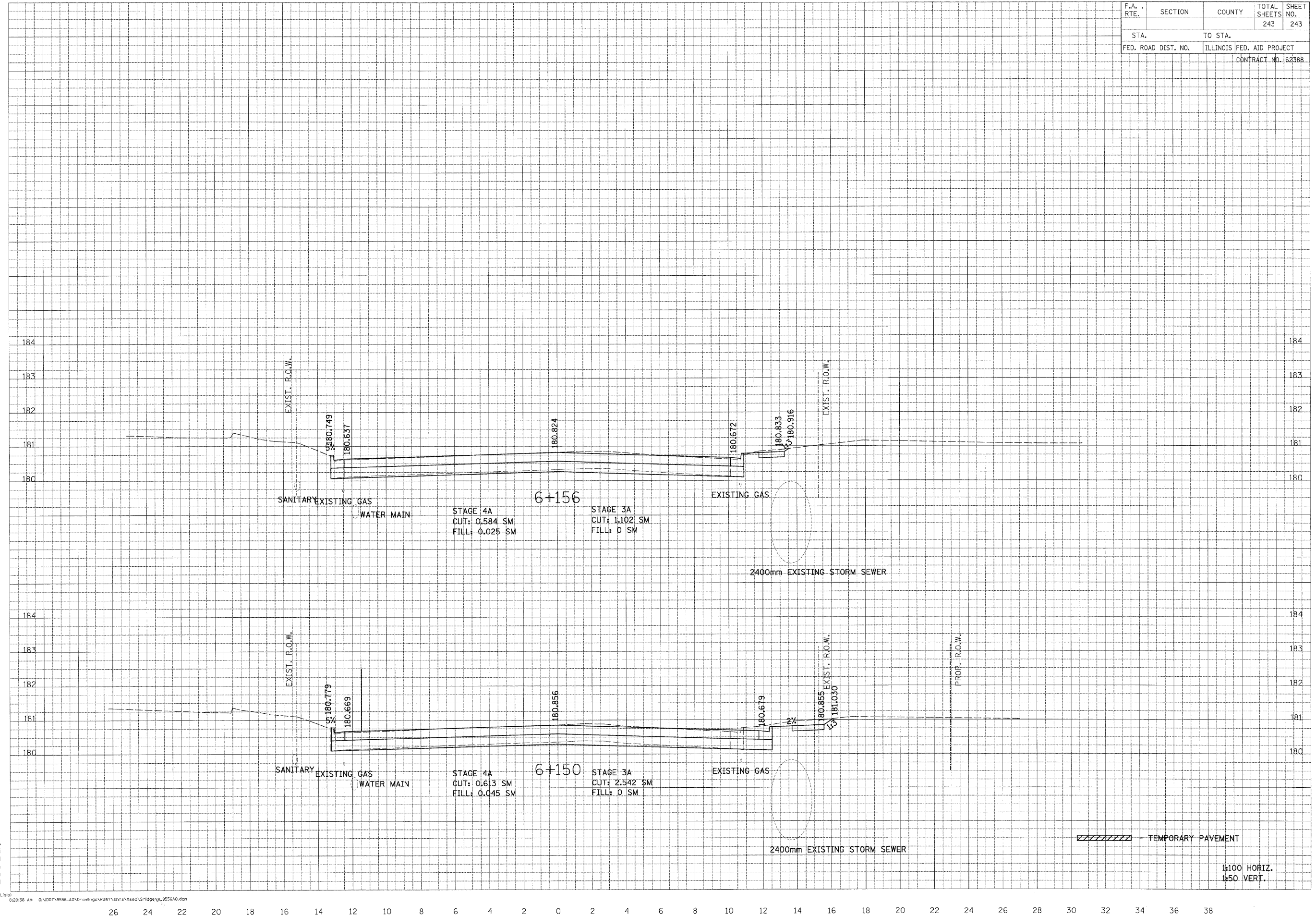
CL RIDGELAND AVENUE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			243	243
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62388				

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

ORIGINAL SURVEY	SURVEYED	DATE
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LISLE, ILLINOIS



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