

CONTRACT NO. 95538
SECTION NO. 06-03123-00-BR
COLES COUNTY

INDEX OF SHEETS

Table with 2 columns: SHEET NO. and CONTENTS. Lists sheets 1 through 13 including Cover Sheet, Plan and Profile, General Plan and Elevation, Superstructure Details, Abutment Details, Rail Details, Soil Borings, Roadway Cross Sections, and Erosion Control Plan.

STANDARDS

Table with 2 columns: STD. NO. and DESCRIPTION. Lists standards for temporary erosion control systems, name plates for bridges, traffic control devices, and traffic control.

STATE OF ILLINOIS

PLANS FOR THE PROPOSED
HIGHWAY BRIDGE PROGRAM

PROJECT NO. BROS-029 (281)
JOB NO. C-97-032-08

TR 318 OVER HOG BRANCH CREEK
SECTION 06-03123-00-BR
EAST OAKLAND TOWNSHIP
COLES COUNTY

SUMMARY OF QUANTITIES

Table with 4 columns: ITEM NO., ITEMS, UNIT, and QUANTITY. Lists various construction items such as earth excavation, channel excavation, seeding, erosion barriers, riprap, aggregate surface course, concrete structures, reinforcement bars, steel railing, steel piles, driving piles, test piles, name plates, pipe culverts, mobilization, and permanent steel sheet piling.

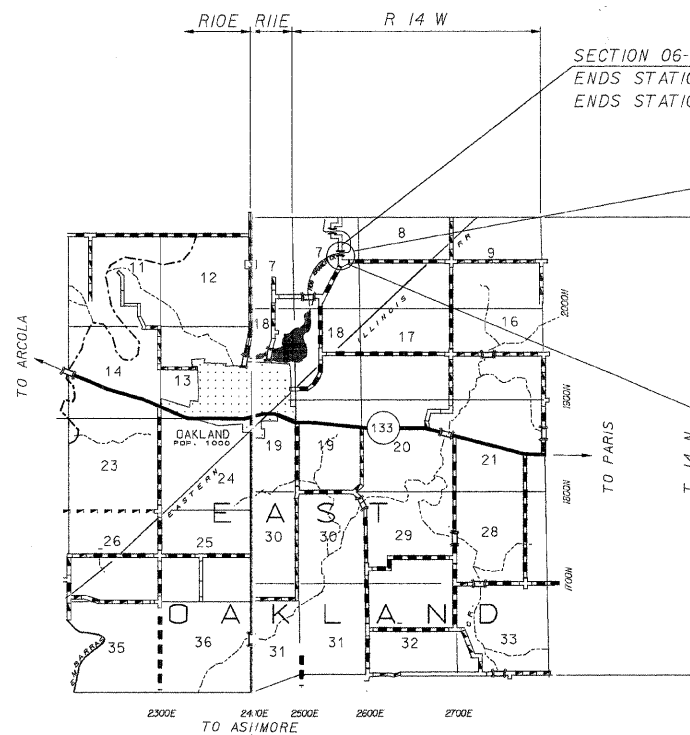
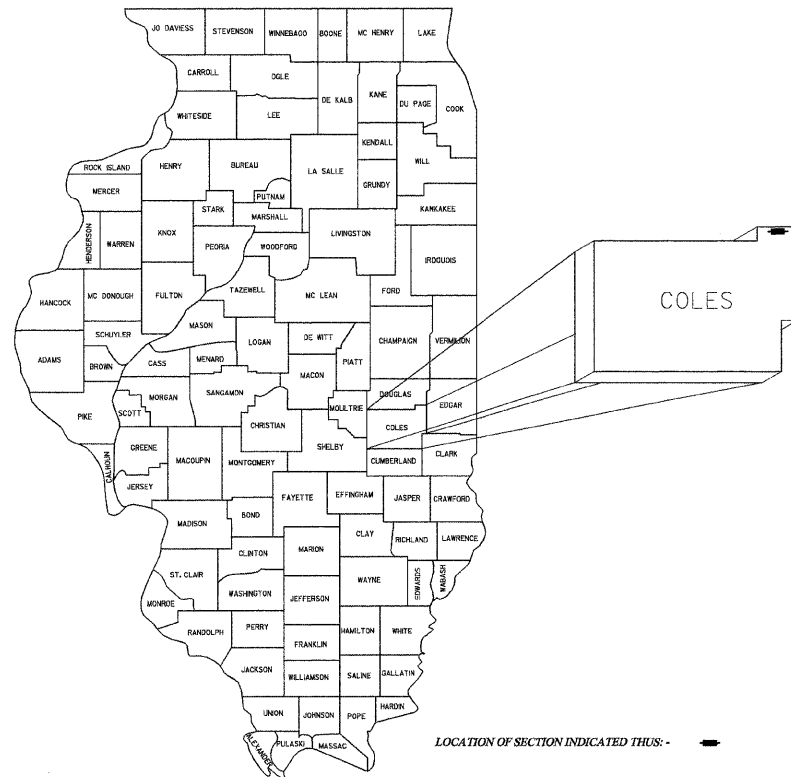
* SPECIALTY ITEM

UTILITY COMPANIES

**ILLINOIS CONSOLIDATED
2116 S. 17TH STREET
MATTOON, ILLINOIS, 61938
MR. WES CHAMBERS
1-800-553-9981

**COLES MOULTRIE ELECTRIC
P.O. BOX 709
MATTOON, ILLINOIS, 61938
MR. STEVE UNDERWOOD
1-888-661-2632

TOLL FREE JOINT UTILITY
LOCATING INFORMATION
FOR EXCAVATORS (J.U.L.I.E.)
TELEPHONE # 1-800-892-0123



SECTION 06-03123-00-BR
ENDS STATION 9+00 (TR318)
ENDS STATION 4+00 (TR3)

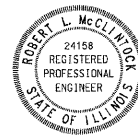
EXISTING STRUCTURE NO. 015-3180
PROPOSED STRUCTURE NO. 015-3421
SINGLE 42'-10" SPAN, 17" PRECAST
PRESTRESSED CONCRETE DECK BEAM
BRIDGE ON CLOSED CONCRETE ABUTMENTS
SKEWED 0 DEGREES

SECTION 06-03123-00-BR
BEGINS STATION 4+30 (TR 318)
BEGINS STATION 0+00 (TR 3)

LOCATION MAP

SCALE 1 INCH = 1 MILE
NET LENGTH OF SECTION = 470 FEET (0.089 MILES) TR 318
NET LENGTH OF SECTION = 400 FEET (0.075 MILES) TR 3
870 FEET (0.165 MILES)

FUNCTIONAL CLASSIFICATION: LOCAL ROAD ADT LESS THAN 150
DESIGN SPEED = 30 MPH



I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED STRUCTURAL AND PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS.

Robert L. McClintock DATE: 6/26/08

ROBERT L. McCLINTOCK
P.E. LICENSE EXP. 11-30-08 P.E. #24158
S.E. LICENSE EXP. 11-30-08 S.E. # 3137

APPROVED June 26 20 08

County Engineer signature

APPROVED June 26 20 08

Road Commissioner signature

PASSED July 27 20 08

District Seven Engineer signature

RELEASING FOR BID BASED ON LIMITED REVIEW 7/29 20 08

Deputy Director signature

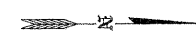
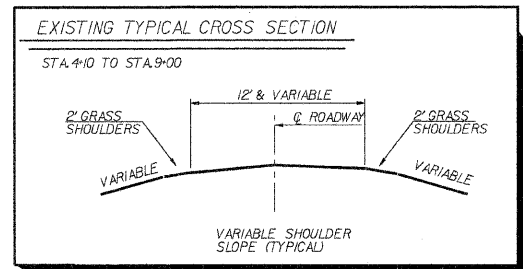
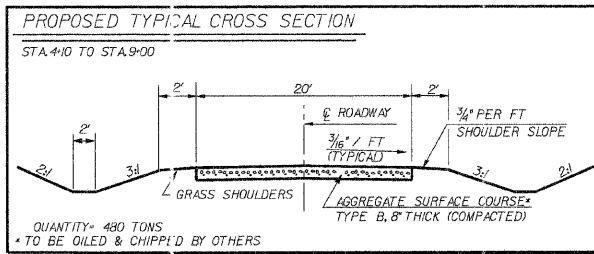
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

McCLINTOCK CIVIL ENGINEERING SERVICE
404 SHAW AVENUE, PARIS, IL 61944
PHONE (217) 466-0110

DRN SDE DATE 3/23/07 SHEET 1 OF 10
REV. 6/19/08 SCALE: NTS
APPR. JOB NO. 3137-729-06

ROUTE #	SECTION	COUNTY	TOTAL	SHEET #
TR 318	06-03123-00-BR	COLES	13	2
JOB # 3137-729-06			EAST OAKLAND TWP.	

Revised 1-23-08 - change proposed ROW
 Revised 6-16-08 - use P2-22 Piling



SCALE: 1\"/>

DONALD L VEACH
 PART OF THE SE QUARTER
 SECTION 7, T14N, R14W, 2ND P.M.

CHRISTOPHER LONG
 PART OF THE E 1/2, E 1/2, NE 1/4,
 SECTION 7, T14N, R14W, 2ND P.M.

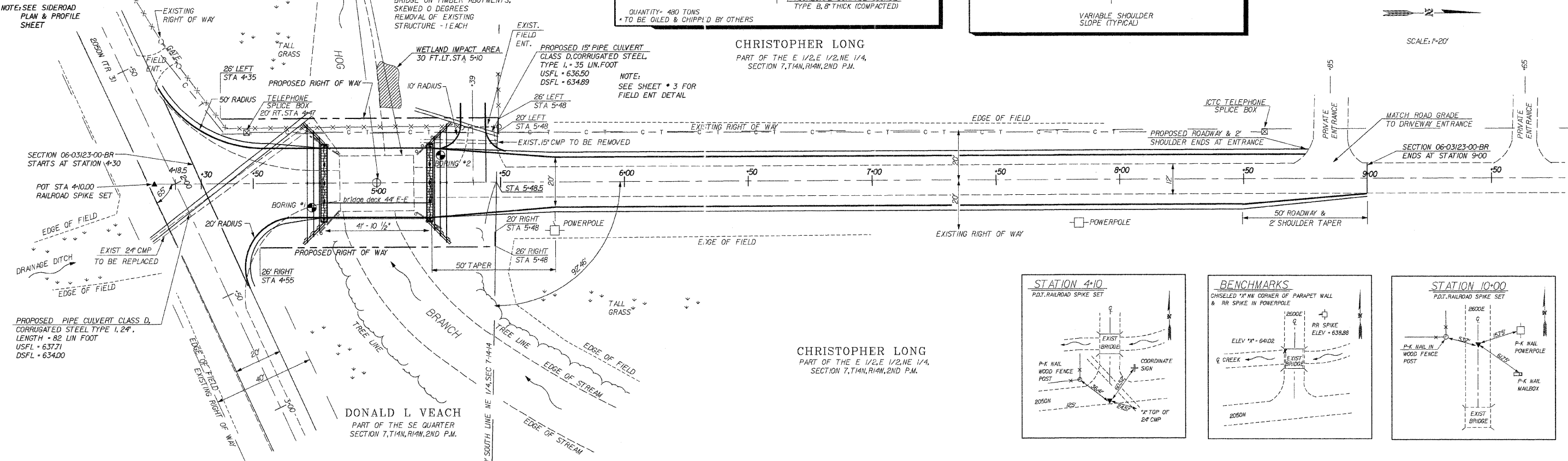
NOTE: SEE SIDEROAD
 PLAN & PROFILE
 SHEET

PROPOSED STRUCTURE, STA 5+00
 STRUCTURE NUMBER - 015-3421
 SINGLE 42' - 10\"/>

EXISTING STRUCTURE, NO. 015-3180
 SINGLE SPAN CONCRETE DECK BEAM
 BRIDGE ON TIMBER ABUTMENTS,
 SKEWED 0 DEGREES
 REMOVAL OF EXISTING
 STRUCTURE - 1 EACH

PROPOSED 15\"/>

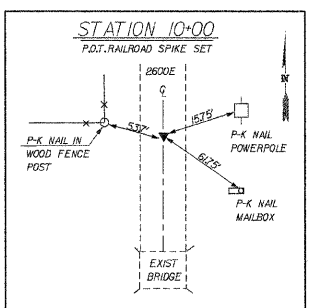
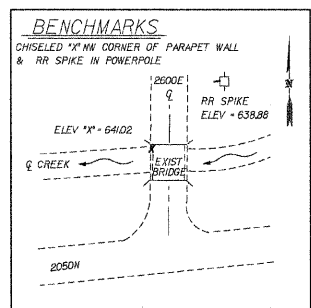
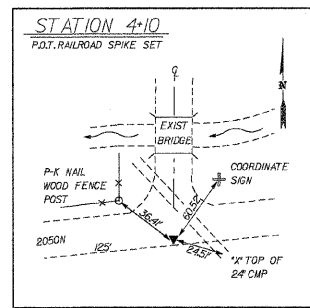
NOTE:
 SEE SHEET # 3 FOR
 FIELD ENT DETAIL



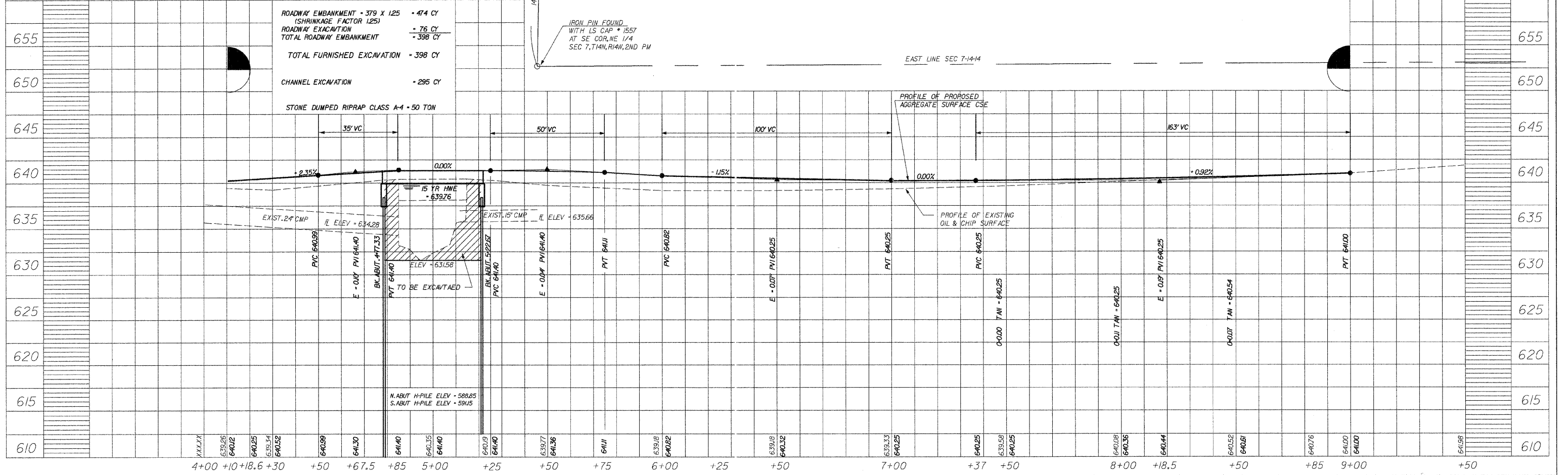
PROPOSED PIPE CULVERT CLASS D,
 CORRUGATED STEEL TYPE 1, 24\"/>

DONALD L VEACH
 PART OF THE SE QUARTER
 SECTION 7, T14N, R14W, 2ND P.M.

CHRISTOPHER LONG
 PART OF THE E 1/2, E 1/2, NE 1/4,
 SECTION 7, T14N, R14W, 2ND P.M.

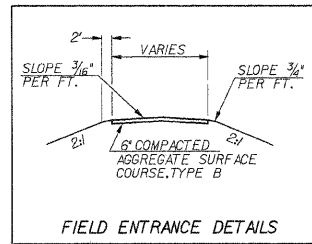
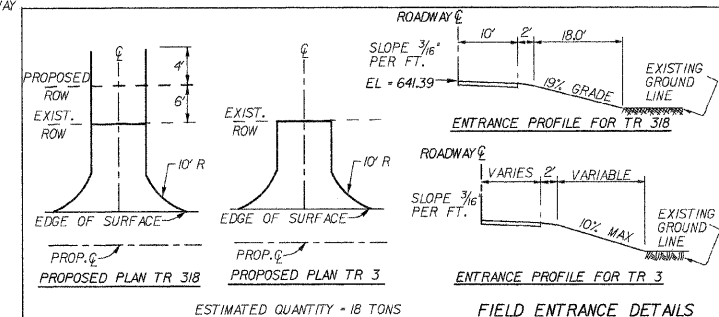
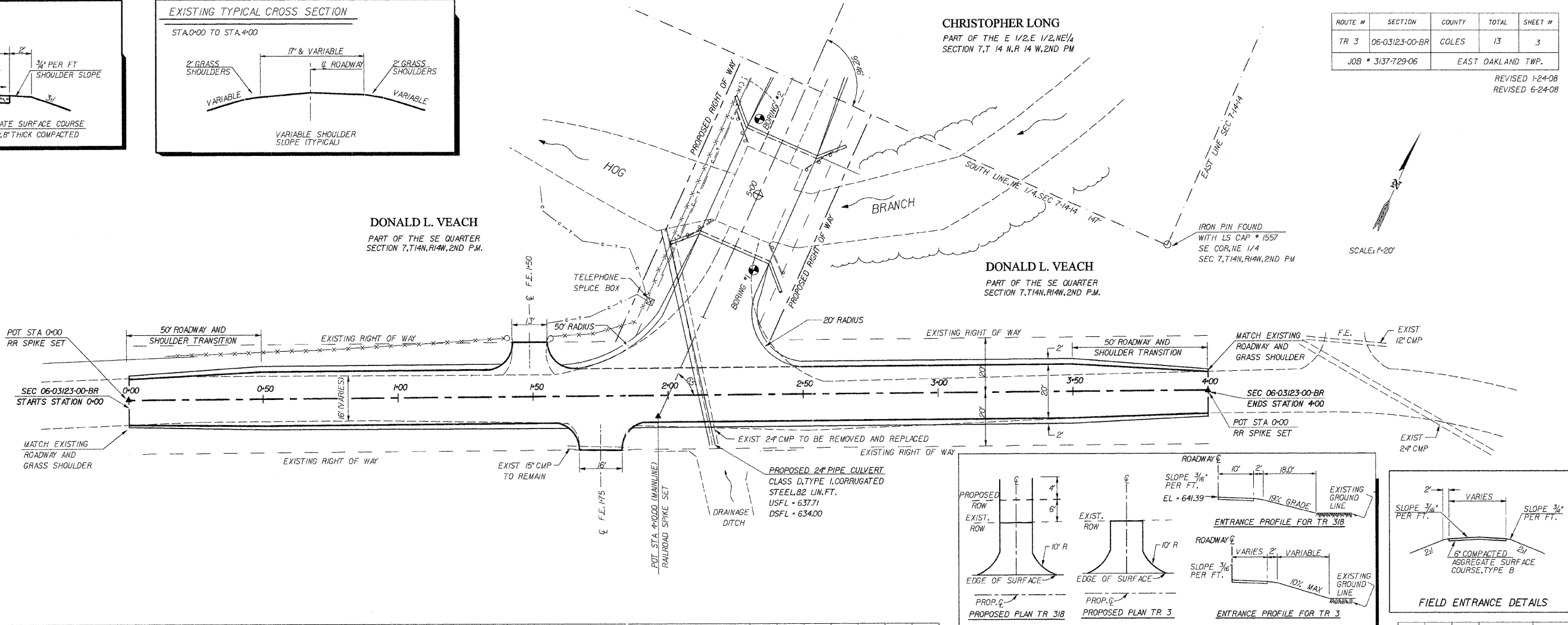
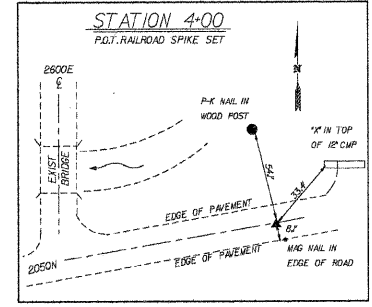
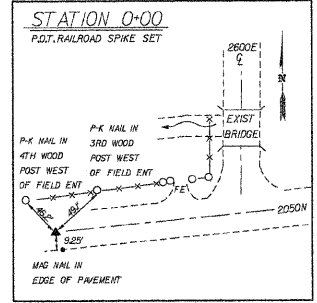
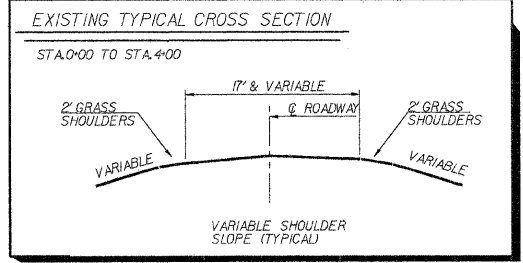
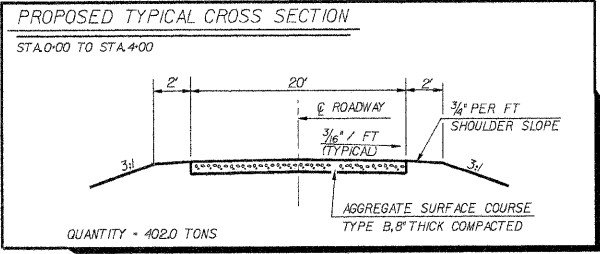


ROADWAY EMBANKMENT - 379 X 125	- 474 CY
(SHRINKAGE FACTOR 125)	
ROADWAY EXCAVATION	- 76 CY
TOTAL ROADWAY EMBANKMENT	- 398 CY
TOTAL FURNISHED EXCAVATION	- 398 CY
CHANNEL EXCAVATION	- 295 CY
STONE DUMPED RIPRAP CLASS A-4 - 50 TON	

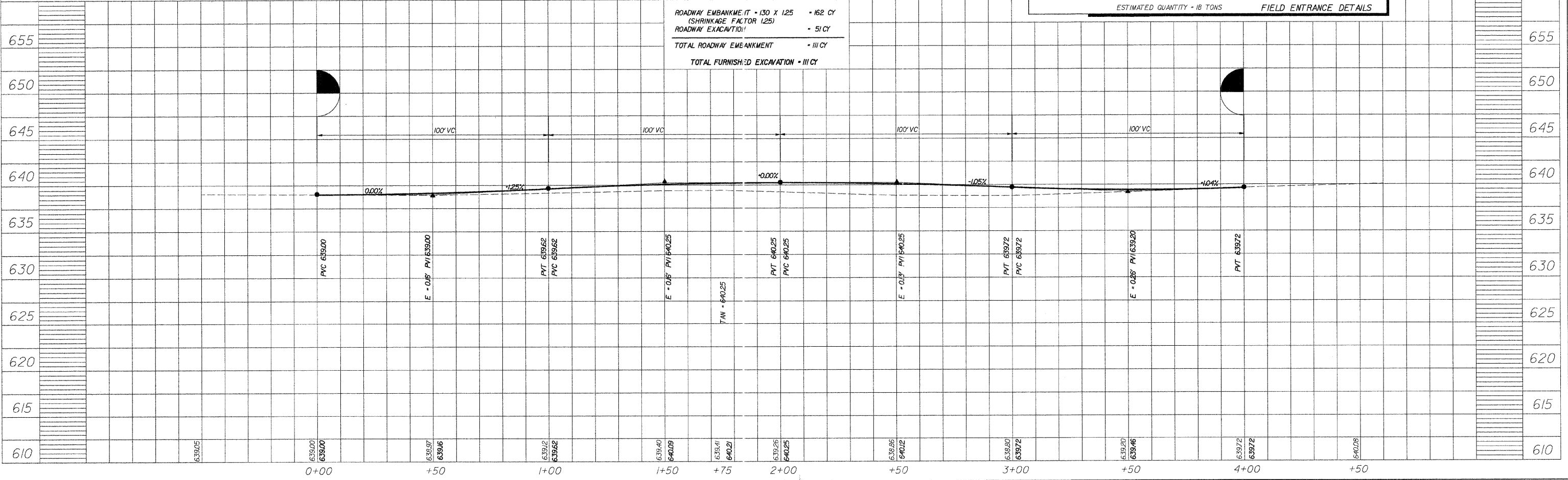


ROUTE #	SECTION	COUNTY	TOTAL	SHEET #
TR 3	06-03123-00-BR	COLES	13	3
JOB # 3137-729-06			EAST OAKLAND TWP.	

REVISED 1-24-08
REVISED 6-24-08



ROADWAY EMBANKMENT (130 X 125)	• 162 CY
(SHRINKAGE FACTOR 125)	
ROADWAY EXCAVATION	• 51 CY
TOTAL ROADWAY EMBANKMENT	• 111 CY
TOTAL FURNISHED EXCAVATION	• 111 CY

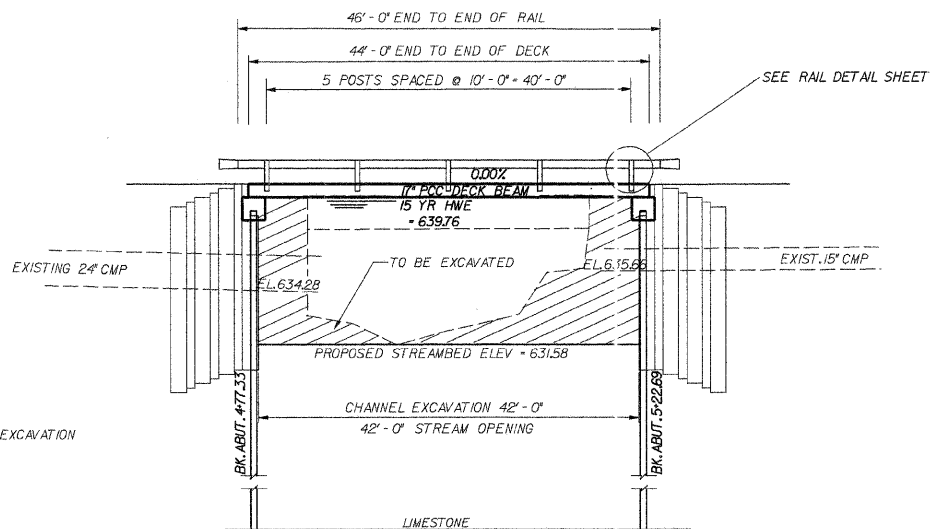


DESIGN STRESSES

f'c	=	5,000	P.S.I.	(PRESTRESSED BEAMS)
f'cl	=	4,000	P.S.I.	(PRESTRESSED BEAMS)
f'c	=	3,500	P.S.I.	(CLASS X CONCRETE)
f's	=	270,000	P.S.I.	(PRESTRESSED STRANDS)
f'sl	=	189,000	P.S.I.	(PRESTRESSED STRANDS)
f'y	=	60,000	P.S.I.	(REINFORCEMENT BARS)

LOADING HS 20-44 DESIGN SPECS.1996 AASHTO & 1997 THRU 2002 INTERIMS

EXISTING STRUCTURE NO. 015-3180 - SINGLE SPAN CONCRETE DECK BEAM BRIDGE WITH TIMBER ABUTMENTS, SKEWED 0 DEGREES. REMOVAL OF EXISTING STRUCTURES - 1 EACH.



= CHANNEL EXCAVATION

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SO.FT.	1232		1232
CONCRETE STRUCTURES	CU.YD.		15.2	15.2
REINFORCEMENT BARS	POUND		960	960
STEEL RAILING, TYPE S-1	FOOT	92		92
NAME PLATES	EACH	1		1
FURNISHING STEEL PILES HP 8 X 36	FOOT		450	450
DRIVING PILES	FOOT		450	450
TEST PILE, STEEL HP 8 X 36	EACH		1	1
CHANNEL EXCAVATION	CU.YD.		295	295
STONE DUMPED RIPRAP, CLASS A-4	TON		50	50
PERMANENT STEEL SHEET PILING	SO.FT.		1976	1976
REMOVAL OF EXISTING STRUCTURES	EACH	1		1
HARDWARE	POUND		1584	1584

GENERAL NOTES

SEE PLAN AND PROFILE SHEET FOR BORING LOCATION

BORING DATA IS SHOWN ONLY AS A GUIDE TO BIDDERS IN ESTIMATING SOIL CONDITIONS WHICH MAY BE ENCOUNTERED DURING CONSTRUCTION

SEE SHEET NO.8 FOR BORING DATA.

BORING #2 INDICATES SAND EXISTS AT A DEPTH OF ABOUT 1 FOOT BELOW THE BOTTOM OF THE FOOTING, WITH CLAY ABOVE.

NO BACKFILL SHALL BE PLACED BEHIND THE PROPOSED ABUTMENTS UNTIL THE SUPER STRUCTURE IS DOWELED IN PLACE. SEE ARTICLE 502J OF THE STANDARD SPECIFICATIONS.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31, M42 OR M53 GRADE 60

LAYOUT OF SLOPE PROTECTION SYSTEM MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER

BENCHMARK ELEV. 638.88
RR SPIKE IN POWER POLE 20' RT. STA 5-72

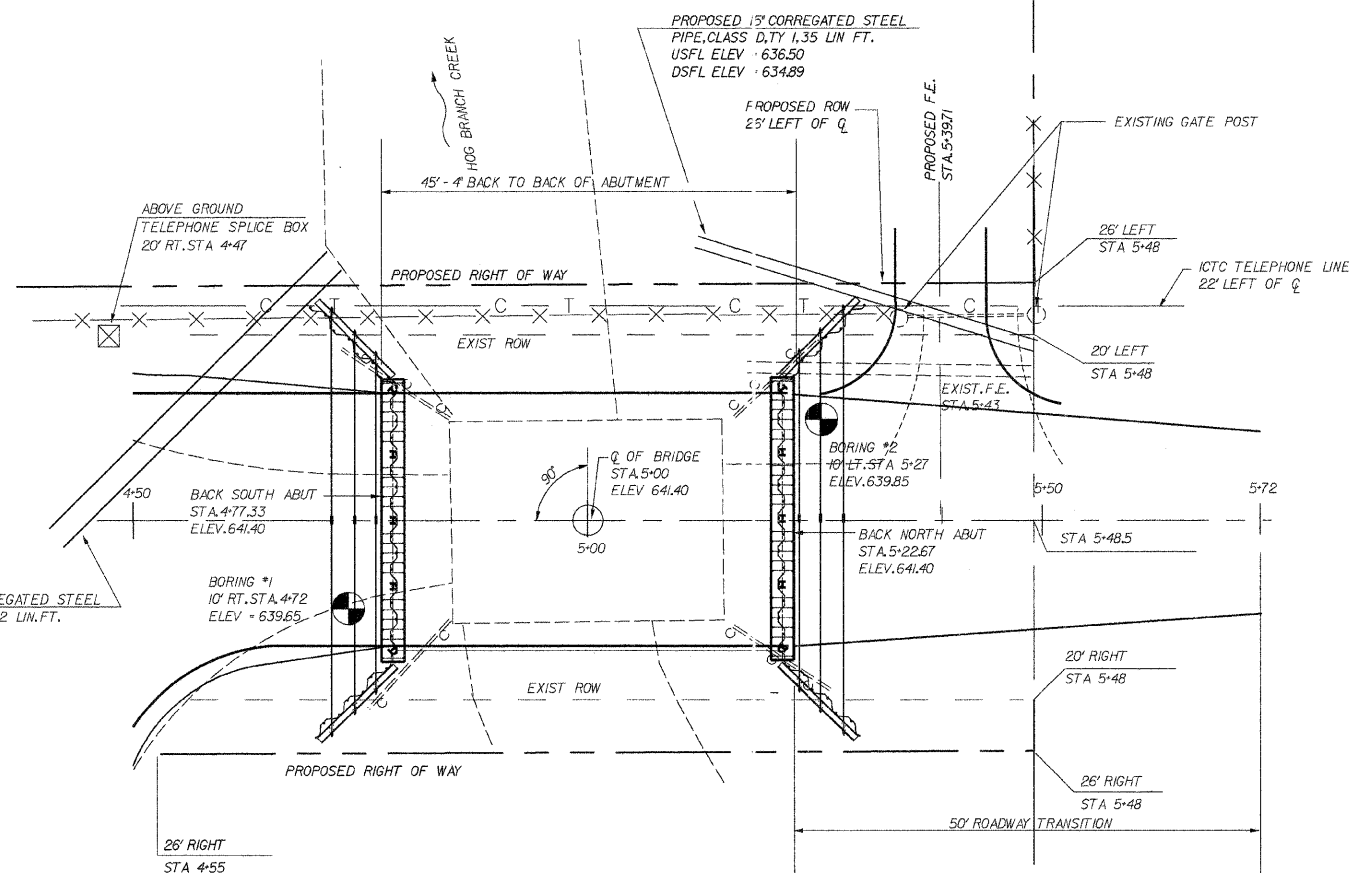
CHANNEL EXCAVATION SHALL EXTEND TO PROPOSED RIGHT OF WAY LINES.

IF RIPRAP IS NEEDED IT WILL BE PLACED AS DIRECTED BY ENGINEER

PROPOSED 24" CORRUGATED STEEL PIPE, CLASS D, TY 1, 82 LIN. FT., USFL ELEV - 637.71 DSFL ELEV - 634.00

ELEVATION

VERTICAL SCALE = 1" = 5'
HORIZONTAL SCALE = 1" = 10'



PLAN

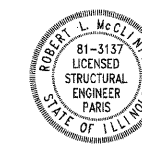
WATERWAY INFORMATION

PROPOSED LOW GRADE = 640.25 @ STA 7+00

DRAINAGE AREA = 1402 SQ.MI.		EXIST LOW GRADE ELEV. 639.18 AT STATION 6+50					
FLOOD	FREQ.	Q	OPENING SQ.FT.	NAT.	HEAD - FOOT	HEADWATER EL.	
	YR.	C.F.S.	EXISTING	PROP.	H.W.E.	EXIST.	PROP.
DESIGN	15	842	136	308	639.76	0.39	0.33
BASE	100	1257	136	308	640.36	0.28	0.70
OVERTOPPING	EXIST 15 YR OTR FLOW = 358 CFS		PROPOSED OTR FLOW = 0 CFS				
MAX. CALC.	EXIST 100 YR OTR FLOW = 831 CFS		PROPOSED OTR FLOW = 209 CFS				

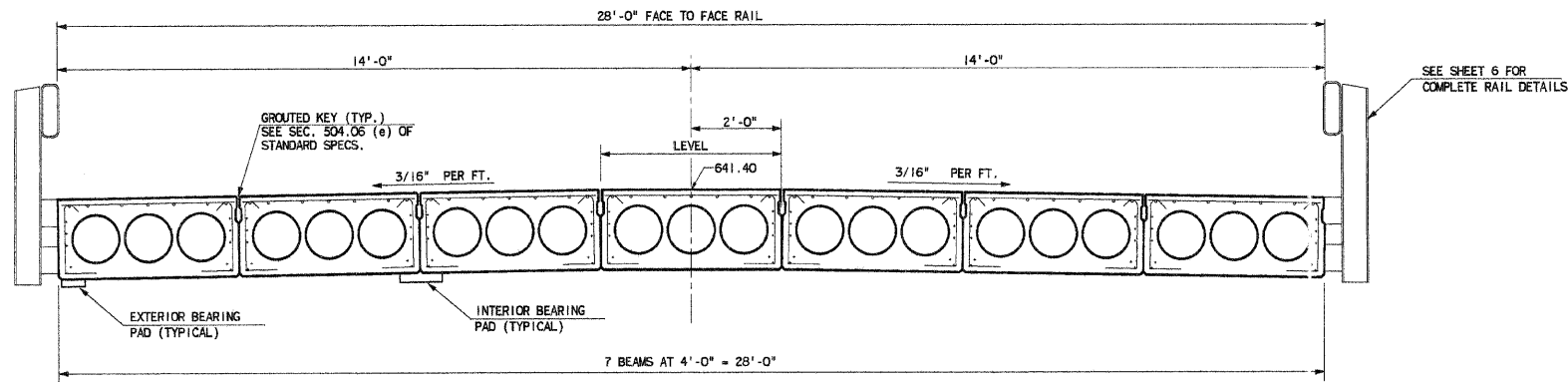
SEC. 06-03123-00-BR BUILT 200
EAST OAKLAND ROAD DIST.
COLES COUNTY
LOADING HS 20
BROS-029 (281)
STR. NO. 015-3421

NAME PLATE DETAIL
(SEE STANDARD 515001)

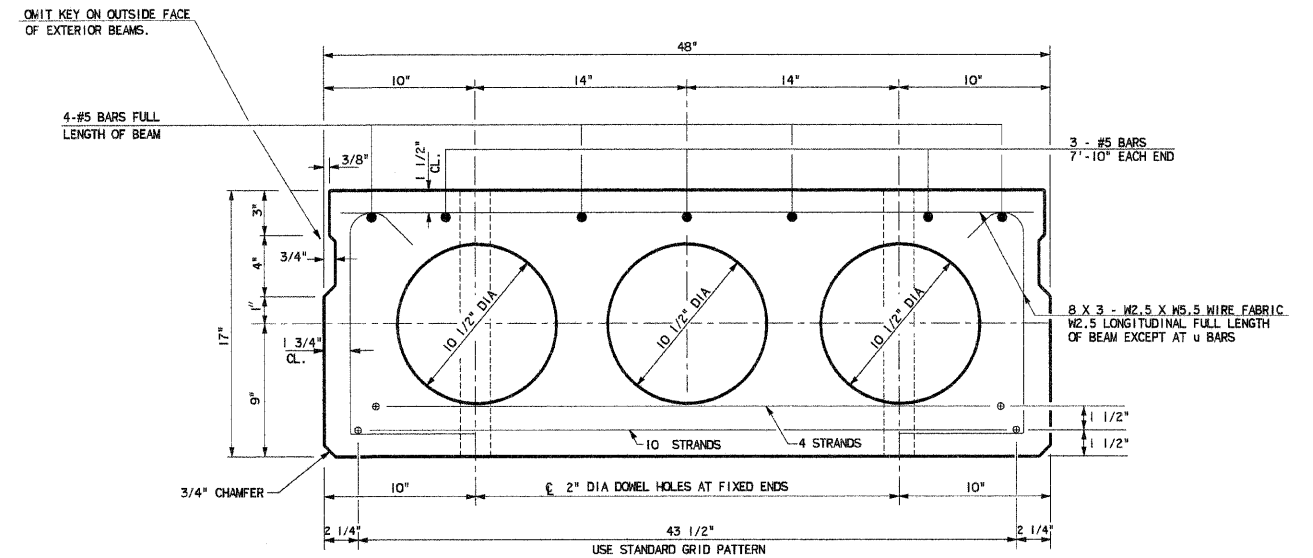


"I certify that to the best of my knowledge, information, and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current 'A.A.S.H.T.O. Standard Specifications for Highway Bridges."
Robert L. McClintock Date: 6/26/08
Robert L. McClintock ILL. S.E.# 3137
License Expires 11-13-08

GENERAL PLAN & ELEVATION		McCLINTOCK CIVIL ENGINEERING SERVICE 404 SHAW STREET, PARIS, ILL. 61944 PHONE (717) 466-6100	
SEC. 06-03123-00-BR EAST OAKLAND ROAD DIST. COLES COUNTY	DRN SDE DATE 4/10/07 REV. 6/23/08 SCALE 1" = 10'	SHEET 4 OF 13	JOB NO. 3137-729-06
APPR.			

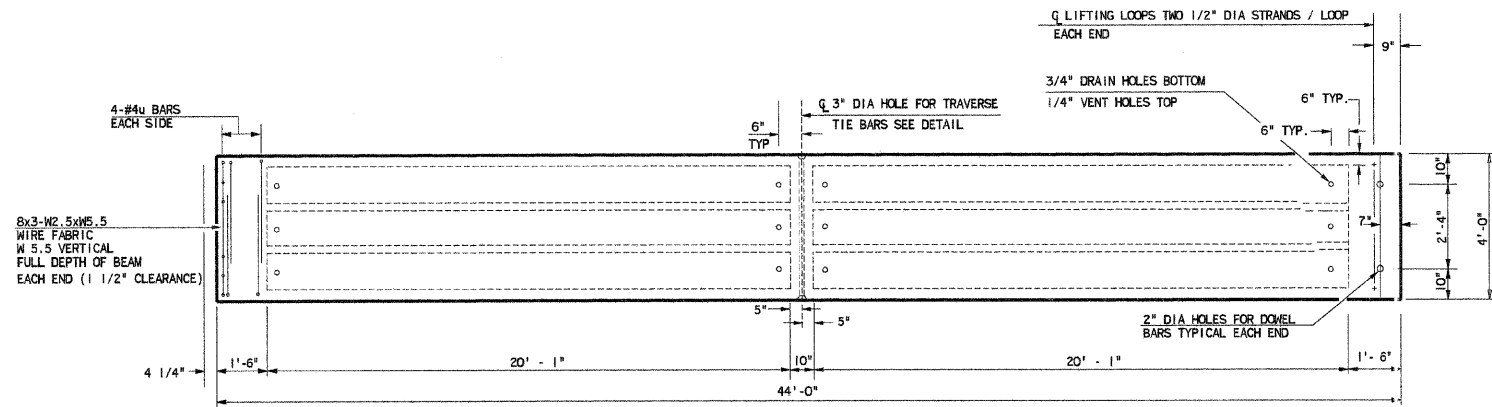


CROSS SECTION

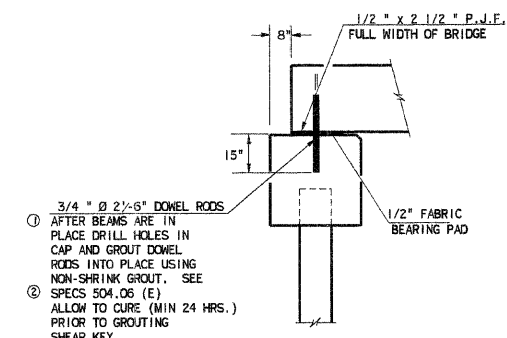


TYPICAL SECTION

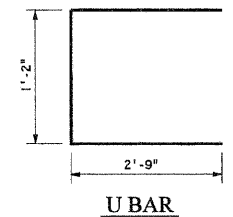
18-NO 7 WIRE 1/2" DIA STRANDS STRESSED TO 28,900 POUNDS
 8 STRANDS 1 3/4" UP
 10 STRANDS 3 1/4" UP



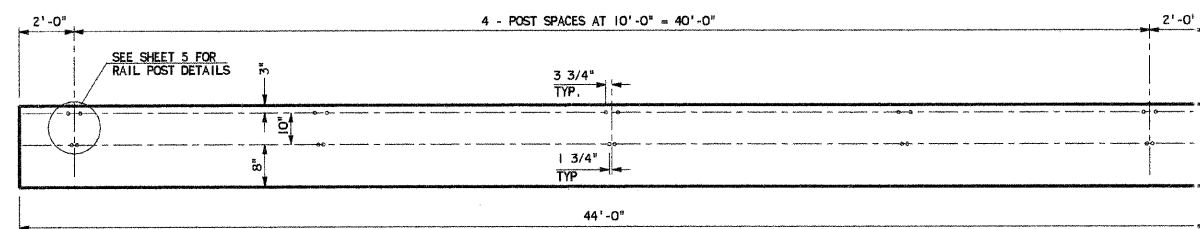
TYPICAL PLAN OF BEAMS



SECTION AT ABUTMENT

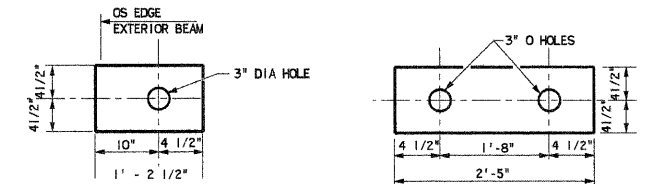


U BAR



ELEVATION OF OUTSIDE BEAMS

SHOWING RAIL POST SPACING

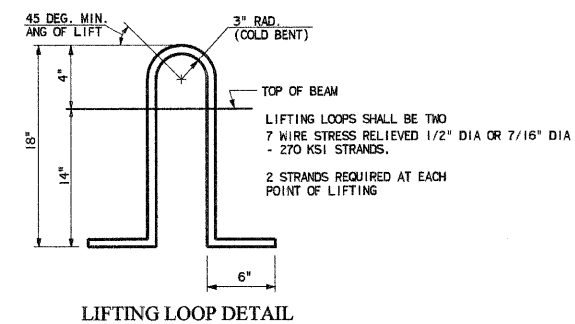


BRG. PAD DETAIL

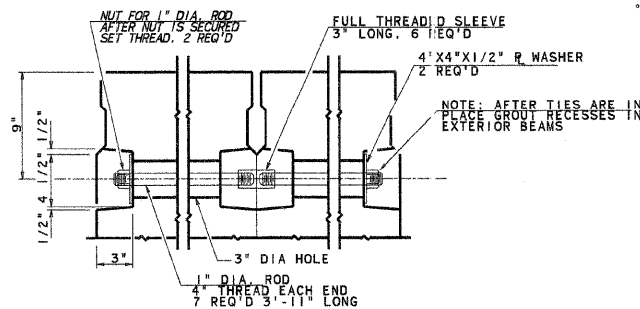
EXTERIOR (4 REQ'D)

BRG. PAD DETAIL

INTERIOR (12 REQ'D)



LIFTING LOOP DETAIL



TRANVERSE TIE BAR DETAIL

504.06 (E) OF SPECS

PRESTRESSING STEEL SHALL BE NON-GALVANIZED HIGH STRENGTH, STRESS-RELIEVED 7-WIRE STRAND, GRADE 270. THE NOMINAL DIAMETER SHALL BE 1/2" AND THE NOMINAL CROSS-SECTIONAL AREA SHALL BE 0.153 SQ. IN. LIFTING LOOPS SHALL BE 1/2" DIAMETER, 6x25 CLASS WIRE ROPE WITH FIBER CORE AND SHALL HAVE A MINIMUM ULTIMATE TENSILE STRENGTH OF 21,000 LBS. OR TWO 1/2" DIA. - 270 KSI STRANDS, AS SHOWN. KEYWAY SURFACES SHALL BE CLEANED TO REMOVE FORM OIL OR OTHER BOND BREAKING MATERIAL PRIOR TO SHIPMENT OF THE BEAMS. CLEANING SHALL BE DONE BY SANDBLASTING THE KEYWAY AREAS BETWEEN TOP OF THE BEAM AND THE BOTTOM EDGE OF THE KEY. REINFORCEMENT BARS SHALL CONFORM TO AASHTO: M-31, M-42 OR M-53, GRADE 60. THE BEARING SEAT SURFACES SHALL BE ADJUSTED BY SHIMMING TO ASSURE FIRM AND EVEN BEARING. TWO 1/8" FABRIC ADJUSTING SHIMS OF THE DIMENSIONS OF THE EXTERIOR BEARING PAD SHALL BE PROVIDED FOR EACH BEARING. AN EQUAL SUBSTITUTION OF THE LOW-RELAXATION STRANDS FOR THE STRESS-RELIEVED STRANDS WILL BE PERMITTED. A CALCIUM NITRITE CORROSION INHIBITOR, AS COVERED IN THE SPECIAL PROVISIONS SHALL BE USED IN THE CONCRETE FOR PRECAST PRESTRESSED CONCRETE DECK BEAMS. THE INITIAL PRESTRESSING FORCE APPLIED TO EACH STRAND SHALL BE THE SAME AS FOR THE STRESS RELIEVED STRANDS (28,900 LBS.) RAIL POST ANCHOR DEVICES SHALL BE CAST INTO OUTSIDE BEAM AS ELSEWHERE SPECIFIED REQUIRED RELEASE STRENGTH, f'ci, SHALL BE 4,700 PSI

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
PRECAST PRESTRESSED CONCRETE		
DECK BEAMS (17" DEPTH)	SQ. FT.	1232

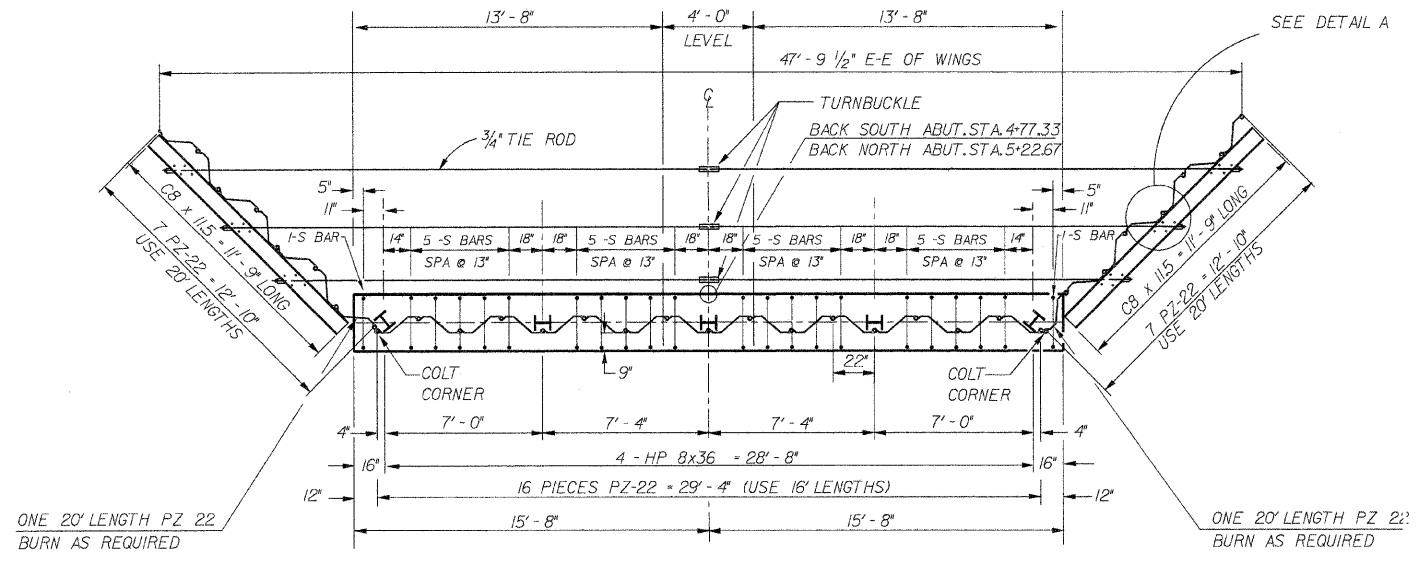
SUPERSTRUCTURE DETAILS

SEC. 06-03123-00-BR
 EAST OAKLAND TOWNSHIP
 COLES COUNTY

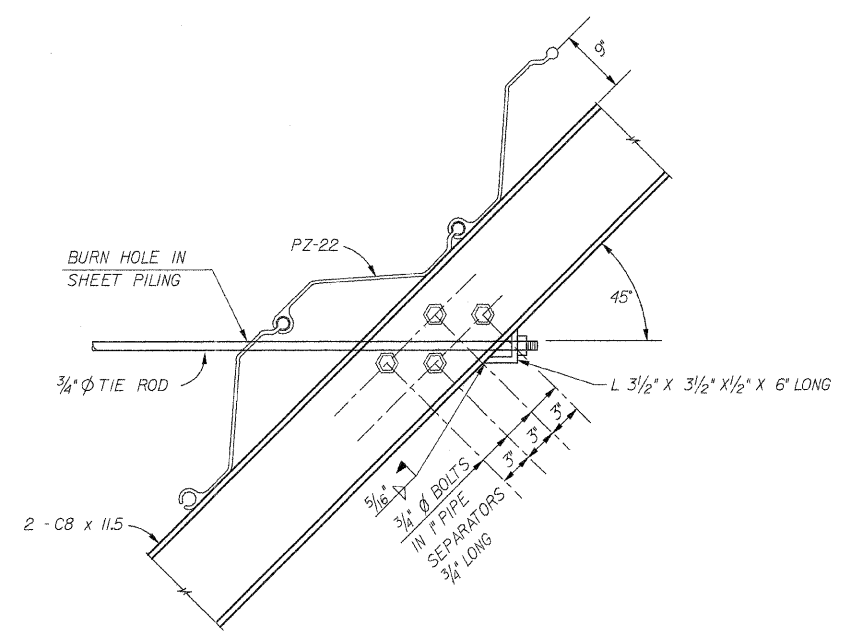
McCLINTOCK
 CIVIL ENGINEERING SERVICE
 404 SHAW AVENUE, PARIS, IL 61944
 PHONE (217) 466-6110

DRN SDE DATE: 4/10/07
 Rev 6/19/08 SCALE: NTS
 APPR.

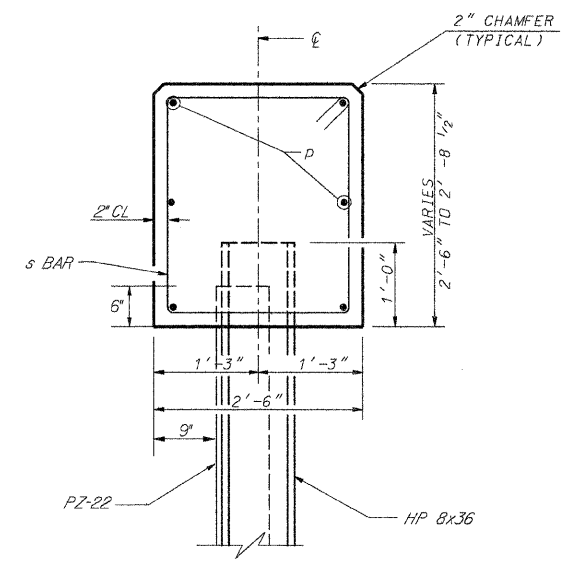
SHEET 5 OF 13
 JOB NO. 3137-729-06



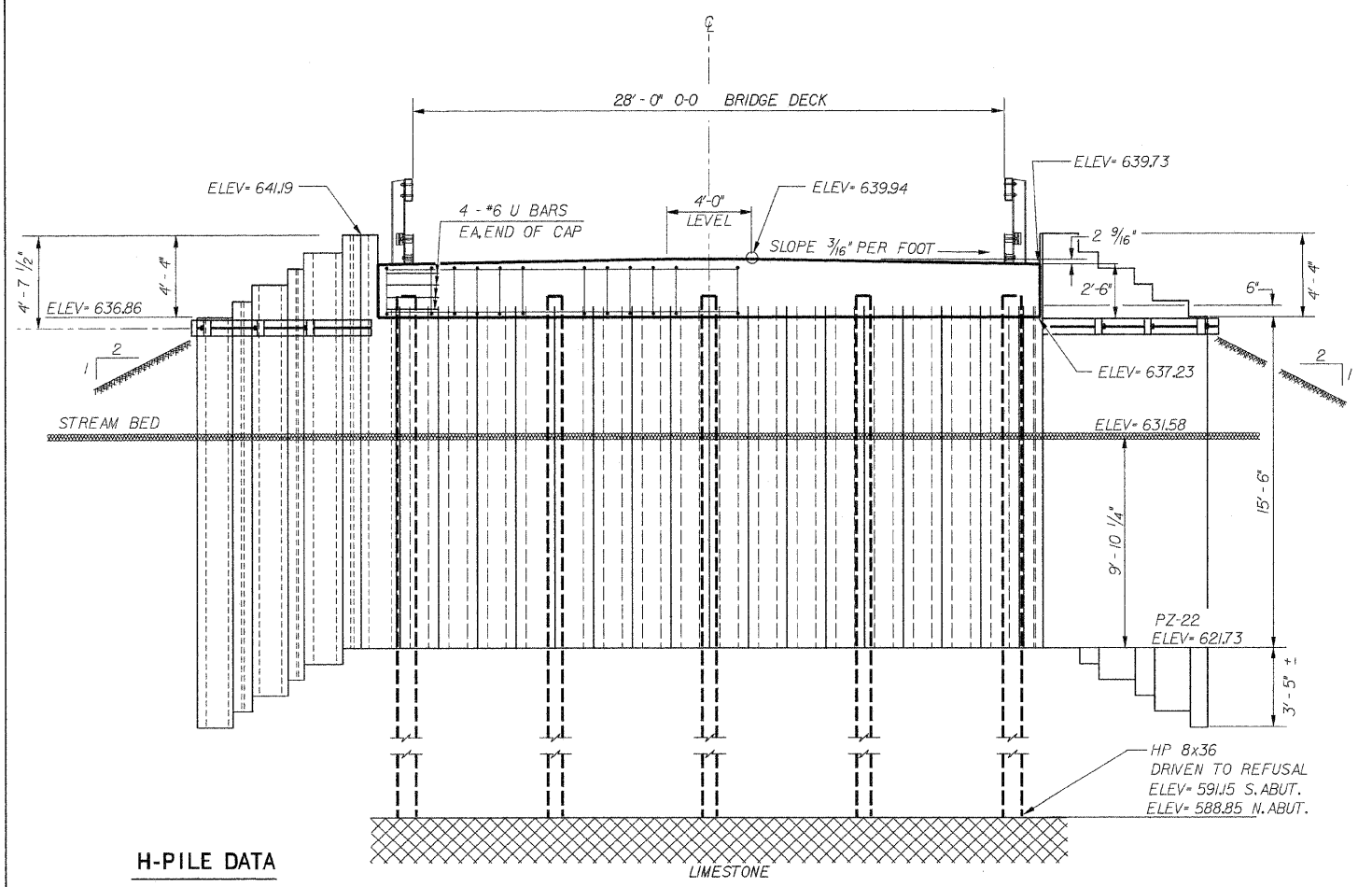
PLAN VIEW



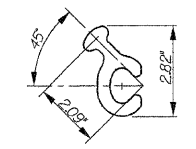
DETAIL A



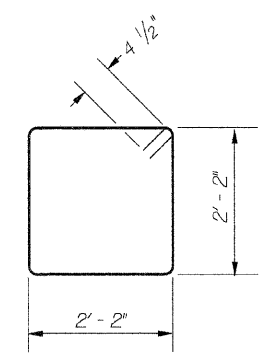
SECTION B - B



ELEVATION VIEW



CORNER DETAIL (ASTM A572) GRADE 50 (S 355 GP) NOT TO SCALE



GENERAL NOTES

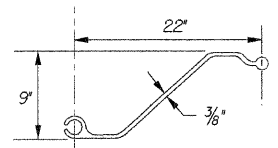
ABUTMENT BREAST WALL SHEET PILING AND WING WALL SHEET PILING SHALL BE SHAPE PZ 22 WHICH WEIGHS 40.3 POUNDS PER LINEAL FOOT OF PILE AND HAS A SECTION MODULUS OF 33.1 CUBIC INCHES PER PILE.

ABUTMENT CORNER SHEET PILE SHALL BE COLT CORNER PILE AS SHOWN ON THE PLANS AND WHICH WEIGHS 6.9 POUNDS PER LINEAL FOOT OF PILE.

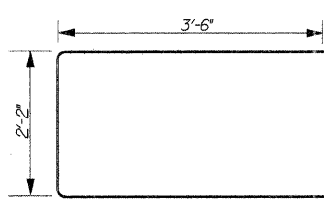
ESTIMATED LENGTHS FOR ALL SHEET PILING ARE SHOWN ON THE PLANS. TEST PILES WILL NOT BE UTILIZED TO ORDER SHEET PILING.

BREAST WALL PILING, WING WALL AND CORNER PILE SHALL BE DRIVEN TO THE PENETRATION DEPTH SHOWN ON THE PLANS.

PILING SHALL COMPLY WITH THE APPLICABLE PORTIONS OF SECTION 512.512.05, 512.07 & 1006.05 (c) OF THE STANDARD SPECIFICATIONS EXCEPT THAT PAINTING WILL NOT BE REQUIRED.



PZ 22 DETAIL



BAR U

BILL OF MATERIAL TWO ABUTMENTS

ITEM	UNIT	QUANTITY
CONCRETE STRUCTURES	CU. YD	15.2
REINFORCEMENT BARS	POUND	960
PERMANENT STEEL SHEET PILING	SQUARE FOOT	1976
DRIVING PILES	FOOT	450
TEST PILES, STEEL HP 8x36	EACH	1
HARDWARE	POUND	1584
FURN. STEEL PILES HP 8x36	FOOT	450

BAR LIST TWO ABUTMENTS

BAR	NO.	SIZE	LENGTH	SHAPE
P	12	#6	31'-0"	—
U	16	#6	9'-2"	U
S	44	#4	6'-1"	S

H-PILE DATA

TYPE	HP 8 X 36
NO. REQUIRED	10 X
ALLOWABLE RESISTANCE AVAILABLE	94 KIPS/PILE
NOMINAL REQUIRED BEARING	282 KIPS/PILE
EST. LENGTH	50'/PILE NORTH & SOUTH ABUTMENT

NOTES:

STEEL H-PILES SHALL BE ACCORDING TO AASHTO M270 GRADE 50

THE TEST PILE SHALL BE DRIVEN TO 100 PERCENT OF THE NOMINAL REQUIRED BEARING INDICATED IN THE PILE DATA INFORMATION.

* INCLUDES ONE TEST PILE TO BE DRIVEN IN A PERMANENT LOCATION IN THE NORTH ABUTMENT.

ABUTMENT DETAILS

SECTION 06-03123-00-BR
EAST OAKLAND TOWNSHIP
COLES COUNTY

McCLINTOCK
CIVIL ENGINEERING SERVICE
404 SHAW AVENUE, PARIS, ILL. 61944
PHONE (217) 466-6110

DRN SDE DATE 6/5/08 SHEET 6 OF 13
REV. 6/23/08 SCALE 1" = 4'
APP. JOB NO. 3137-729-06

MATERIAL REQUIREMENTS

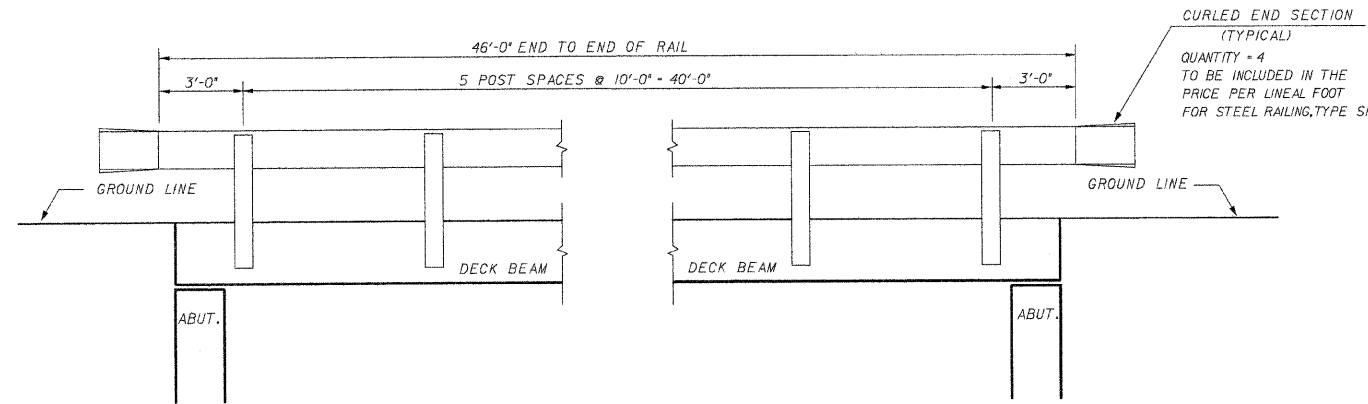
HOLLOW STRUCTURAL STEEL TUBING SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. DESIGNATION A-500 GRADE B STRUCTURAL STEEL TUBING.
 ALL OTHER STEEL SHAPES AND PLATES SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. M-183 EXCEPT POSTS AND ANGLES SHALL CONFORM TO A.A.S.H.T.O. M-223, GRADE 50.
 BOLTS, CAP SCREWS AND NUTS SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. DESIGNATION A-307 EXCEPT FOR HIGH STRENGTH BOLTS, NUTS AND WASHERS NOTED WHICH SHALL CONFORM TO A.A.S.H.T.O. M-164.
 ALL BOLTS, NUTS, CAP SCREWS, WASHERS AND LOCK WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH A.A.S.H.T.O. M-232.
 ALL POST, RAILING, RAIL SPLICES, ANCHOR DEVICES AND ANGLES SHALL BE GALVANIZED AFTER SHOP FABRICATION IN ACCORDANCE WITH A.A.S.H.T.O. M-111 AND A.S.T.M. A-385. GALVANIZED RAIL SHALL NOT BE PAINTED.

INSTALLATION NOTES

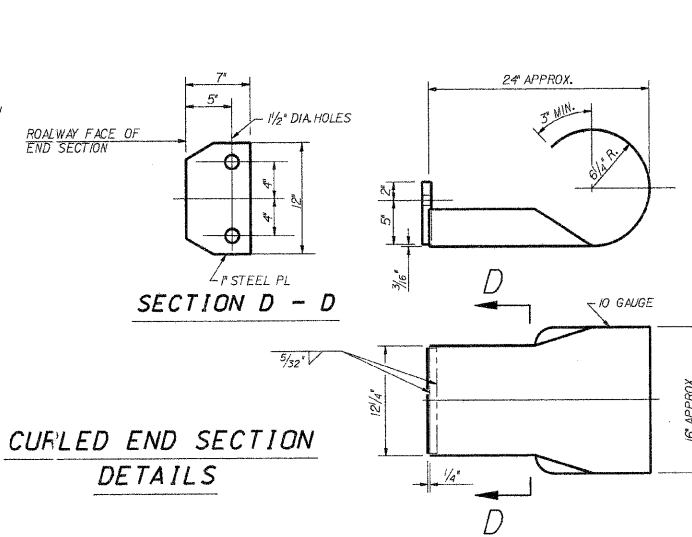
- (A) FOR MULTI-SPAN BRIDGES, SUFFICIENT 1/4" x 6" x 1'-2" GALVANIZED STEEL SHIMS SHALL BE PROVIDED TO ALIGN RAIL BETWEEN ADJACENT SPANS. COST INCIDENTAL TO STEEL RAILING.
 ALL FIELD DRILLED HOLES SHALL BE COATED WITH AN APPROVED ZINC RICH PAINT BEFORE ERECTION.
 THE 1/2" x 4" x 6" PLATES THAT COME IN CONTACT WITH CONCRETE SHALL RECEIVE TWO COATS OF ASPHALT PAINT CONFORMING TO SECTION 760.07 TYPE II OR PLACE 1/8" FABRIC BEARING PADS BETWEEN THE PLATES AND CONCRETE.
- (B) THE 3/4" DIA. HIGH STRENGTH BOLTS USED TO CONNECT THE 6" x 4" x 3/4" ANGLES TO THE POST SHALL BE TIGHTENED IN ACCORDANCE WITH ARTICLE 505.04 (1)(3) OF THE STANDARD SPECIFICATIONS.
- (C) THE 1" DIA. HIGH STRENGTH BOLTS CONNECTING THE ANGLES TO THE CONCRETE SHALL BE TIGHTENED TO A SNUG FIT AND GIVEN AN ADDITIONAL 1/8 TURN. THE 5/8" DIA. CAP SCREWS SHALL BE TIGHTENED TO A SNUG FIT ONLY.
- (D) THE MAXIMUM ALLOWABLE RAIL POST SPACING SHALL BE 10'-9".

BILL OF MATERIAL

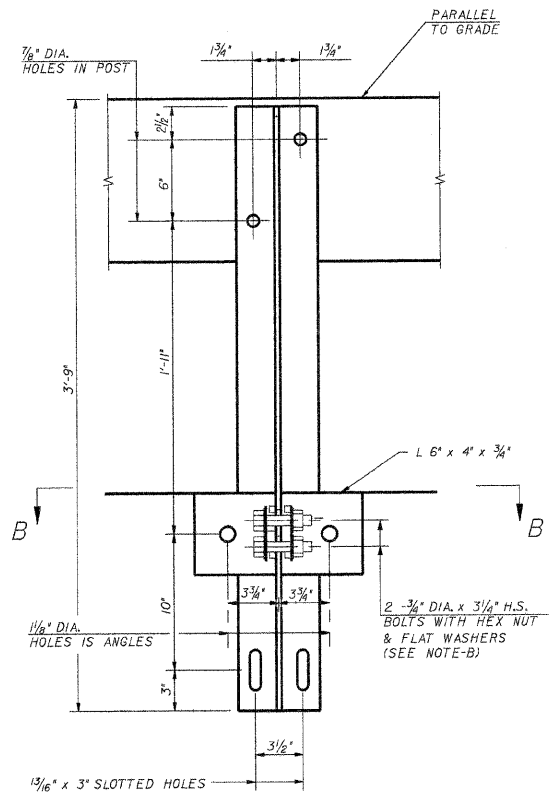
ITEM	UNIT	QUANTITY
STEEL RAILING, TYPE SI	FOOT	92



ELEVATION

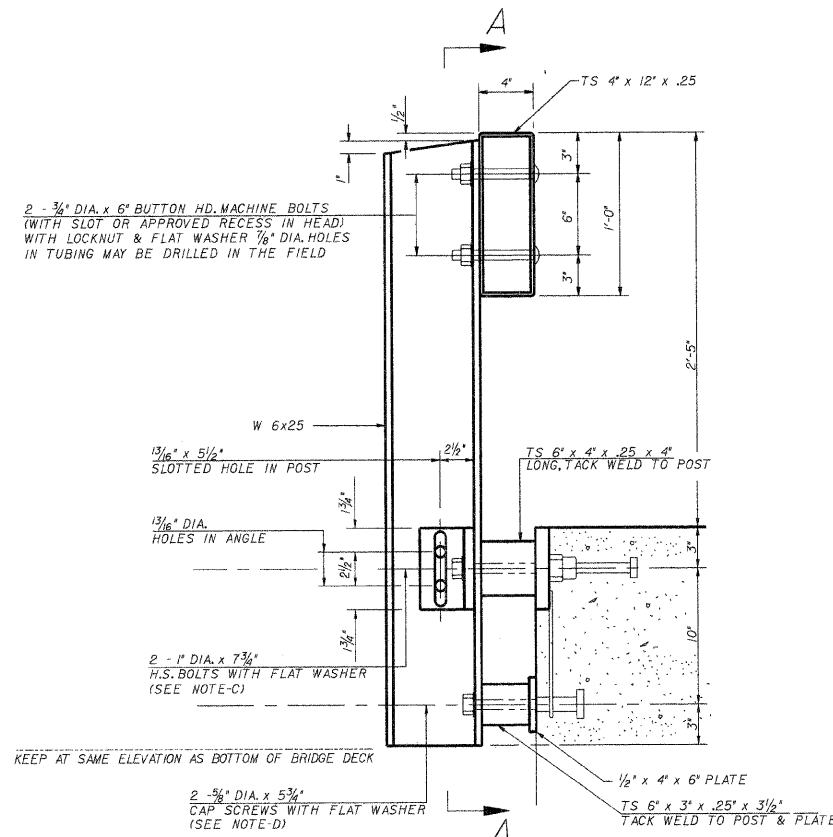


CURLLED END SECTION DETAILS

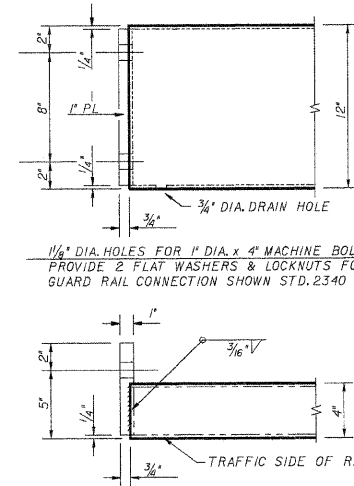


SECTION A - A

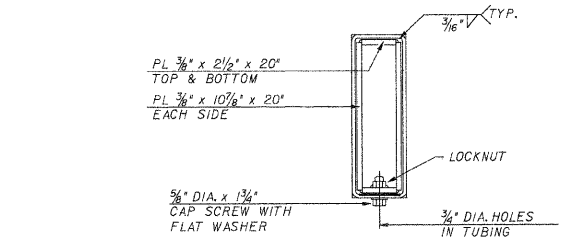
SECTION B - B



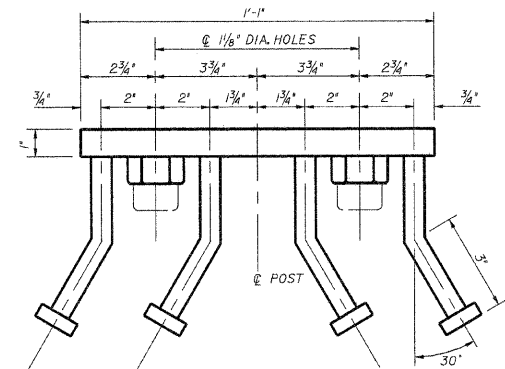
SECTION AT RAIL POST



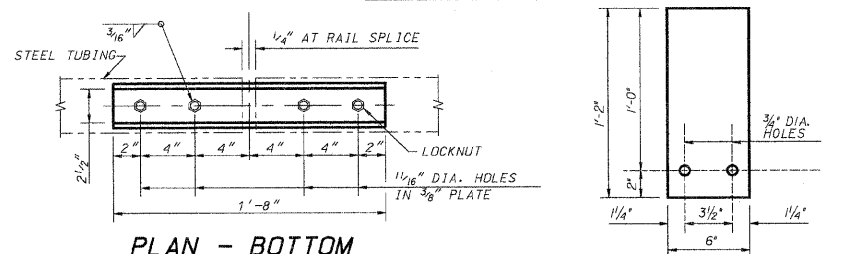
END OF RAIL DETAILS



SECTION AT RAIL SPLICE

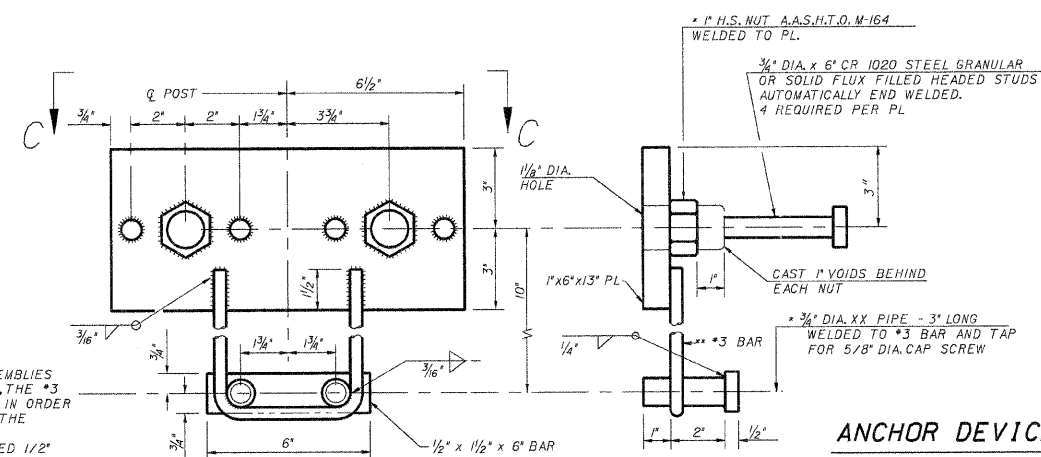


VIEW C - C



PLAN - BOTTOM SPLICE PL. TYPICAL

1/4" SHIM PLATE (SEE NOTE-A)



ANCHOR DEVICE

* THREADED AREAS SHALL BE PLUGGED OR BLOCKED OFF DURING CASTING OF BEAM
 ** WHENEVER THE LOWER INSERT ASSEMBLIES INTERFERE WITH STRAND LOCATIONS, THE #3 BARS SHALL BE CUT AND ADJUSTED IN ORDER TO ALLOW RAISING OR LOWERING OF THE LOWER INSERTS. MAXIMUM ADJUSTMENT NOT TO EXCEED 1/2"


STEEL RAILING, TYPE SI SEC. 06-03123-00-BR EAST OAKLAND TOWNSHIP COLES COUNTY	McCLINTOCK CIVIL ENGINEERING SERVICE 404 SHAW AVENUE, PARIS, IL 61944 PHONE (217) 466-8110	DRN SDE DATE 1/29/07 REV. 12/12/07 SCALE: NTS APPR.	SHEET 7 OF 13 JOB NO. 3137-729.06
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HOLCOMB FOUNDATION ENGINEERING, INC. P.O. BOX 88 CARBONDALE, IL 62903 PH. 618-529-5262										BRIDGE FOUNDATION BORING LOG			
ROUTE 2600E (TR 318)		DESCRIPTION 1 MI NORTH OF OAKLAND				DATE 6/28/06							
SITE EAST OAKLAND TWP		BORED BY D. RUSSELL											
SEC. 06-03123-00-BR		STATION 5+00				CHECKED BY T. HOLCOMB							
COUNTY COLES													
BORING NO. 1 SOUTH ABUT													
STA 4+72													
OFFSET 10' RT. CL.													
EL (FT)	B (1/6")	U (1st)	M (2nd)	W (3rd)	At	Hrs.	EL	N	Qu (1/ft)	W			
639.65											Surf Wat. El. 628.21 Groundwater El. PLUG At Compl. PLUG		
638.65													
	8	0.75	11				28						
	5	0.78	17				30	49	8.05	9	611.15 Gray Sandy Clay (A-6) with pebbles (continued)		
633.65													
	2	0.48	23										
	5	0.28	20				35						
628.65													
	21	3.38	14										
625.65													
	8	1.25	37				40						
	8	0.45	115										
620.65								595.65					
	5	0.88	32				45	60/3'	2.35	10	Brown Sandy Clay (A-6)		
618.65													
	4	1.18	21										
615.65								591.65					
											Limestone		
	26		19				50	100/1'		4			
											Limestone		
											END OF BORING 589.65		

N=Std Penetr Test; Blows per Foot to drive 2" OD Sampler, with a 140# Hammer Falling 30"
 Qu=Uncorr'ncd Comp. Strgth in tons/sq.ft., (Type Fall- B-Bulge S-Shear), E=Estimated P=Penetrometer

HOLCOMB FOUNDATION ENGINEERING, INC. P.O. BOX 88 CARBONDALE, IL 62903 PH. 618-529-5262										BRIDGE FOUNDATION BORING LOG			
ROUTE 2600E (TR 318)		DESCRIPTION 1 MI NORTH OF OAKLAND				DATE 6/28/06							
SITE EAST OAKLAND TWP		BORED BY D. RUSSELL											
SEC. 06-03123-00-BR		STATION 5+00				CHECKED BY T. HOLCOMB							
COUNTY COLES													
BORING NO. 2 NORTH ABUT													
STA 5+27													
OFFSET 10' LT. CL.													
EL (FT)	B (1/6")	U (1st)	M (2nd)	W (3rd)	At	Hrs.	EL	N	Qu (1/ft)	W			
639.85											Surf Wat. El. 628.21 Groundwater El. PLUG At Compl. PLUG		
638.85													
	10	1.85	13								Gray Sandy Clay (A-6) continued		
	4	1.45	22				30	7.4	7.75	7			
626.35													
	8	2.95	13										
	9	2.75	15				35	66	6.45	10			
626.35													
	20		26				40	30	6.08	16	Gray Fine to Medium Sand (A-2-4)		
623.35													
	10	0.55	106								Gray Silt to Clayey Silt (A-4)		
	8	1.48	37				45	60/6'		9	Brown Sandy Clay (A-6)		
617.85													
	9	2.38	20								Gray Sandy Clay (A-6) with pebbles		
	14	1.48	14				50	100/3'		8	Limestone		
											Limestone		
											END OF BORING 589.85		

N=Std Penetr Test; Blows per Foot to drive 2" OD Sampler, with a 140# Hammer Falling 30"
 Qu=Uncorr'ncd Comp. Strgth in tons/sq.ft., (Type Fall- B-Bulge S-Shear), E=Estimated P=Penetrometer

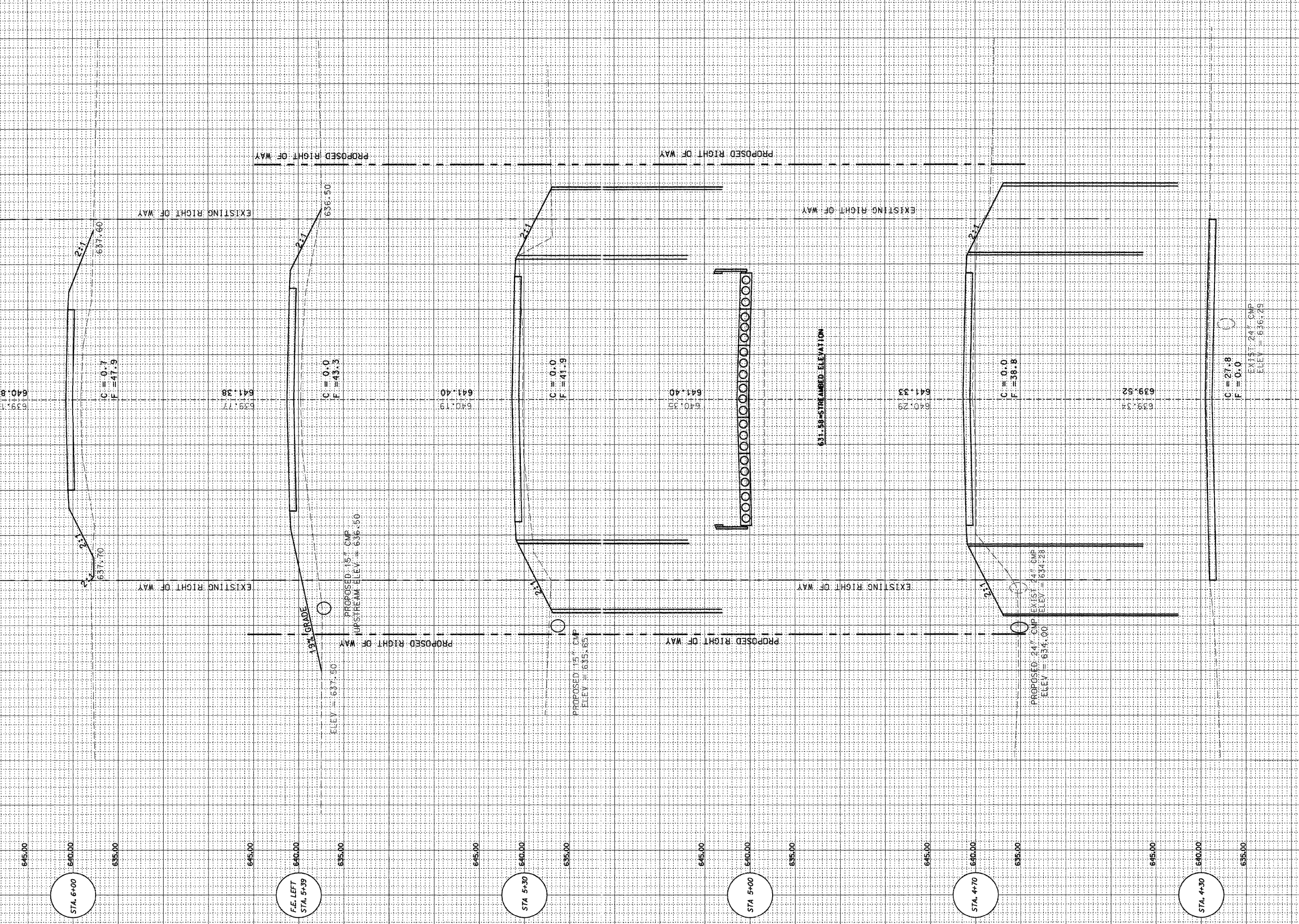
SOIL BORINGS		
	SEC. 06-03122-00-BR EAST OAKLAND TOWNSHIP COLES COUNTY	DRN SDE DATE 8/29/06 CK. RLMG REV 2/26/07 APPR.
SHEET 8 OF 13 JOB NO. 3137-729-06		

L. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06	06-0323-00-BR	COLES	13	9
STA. 4+30		TO STA. 6+00		
MFT		ILLINOIS STATE AID PROJECT		

CONTRACT NO. 95538

REV 6/20/08

SCALE: 1" = 5' VERT.
1" = 5' HORIZ.



STA. 6+00

F.E. LEFT
STA. 5+39

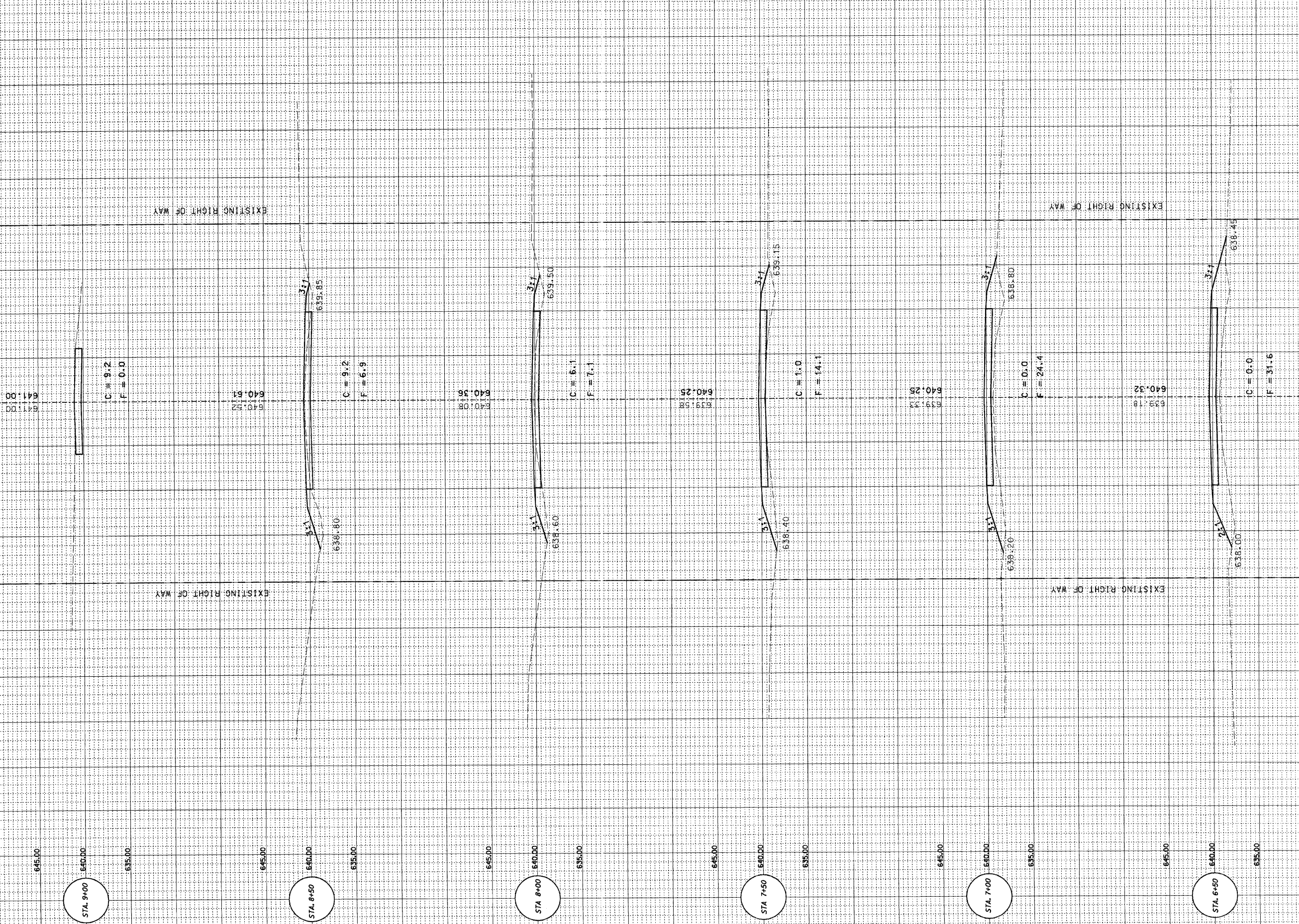
STA 5+30

STA 5+00

STA. 4+70

STA. 4+30

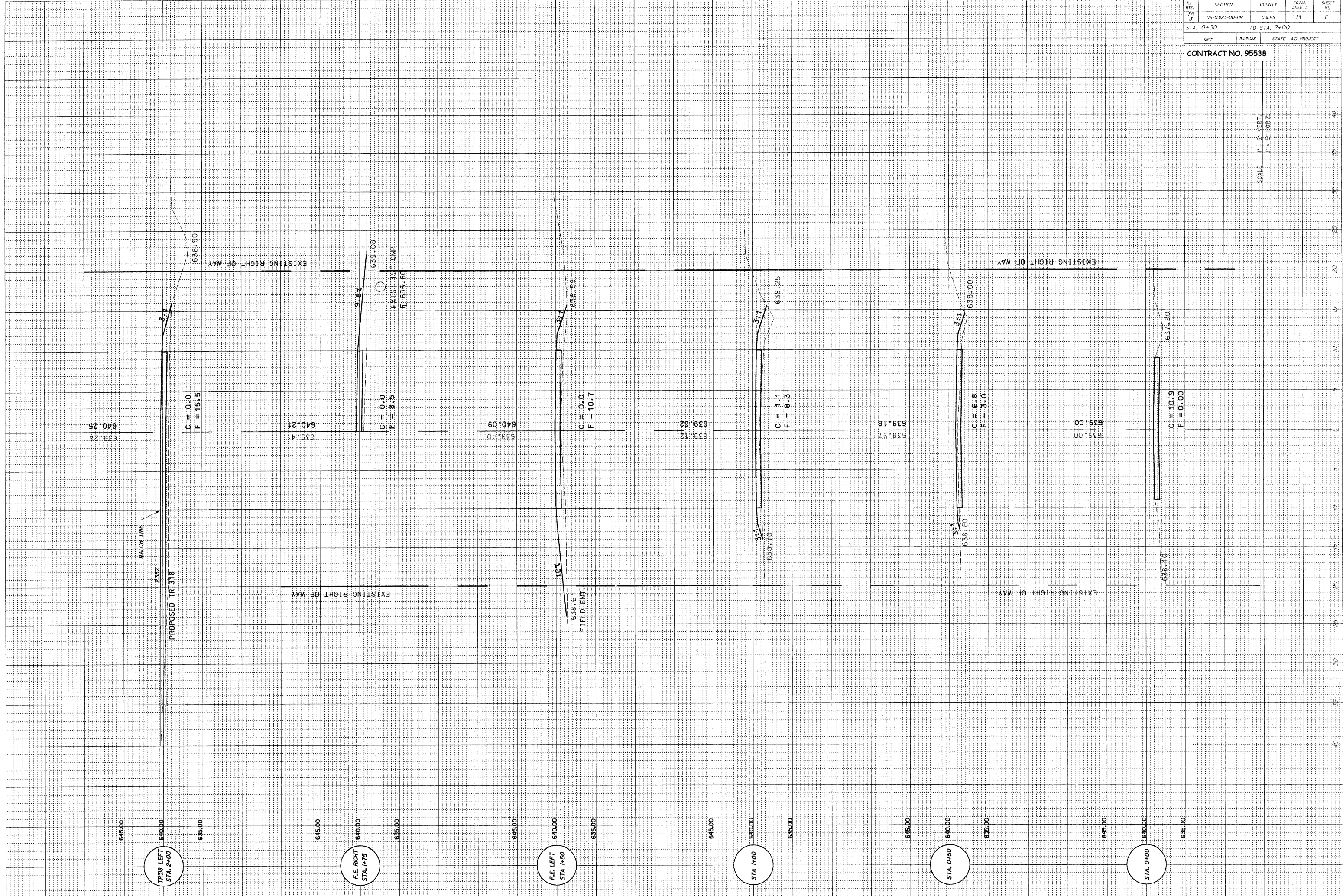
SCALE: HORIZ. 1" = 50' VERT. 1" = 5'



L. R/W.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 3	06-0323-00-BR	COLES	13	11
STA. 0+00		TO STA. 2+00		
MFT		ILLINOIS		STATE AID PROJECT

CONTRACT NO. 95538

SCALE: VERT. 1" = 5' HORIZ. 1" = 80'



TR 318 LEFT
STA. 2+00

F.E. RIGHT
STA. 1+75

F.E. LEFT
STA. 1+50

STA. 1+00

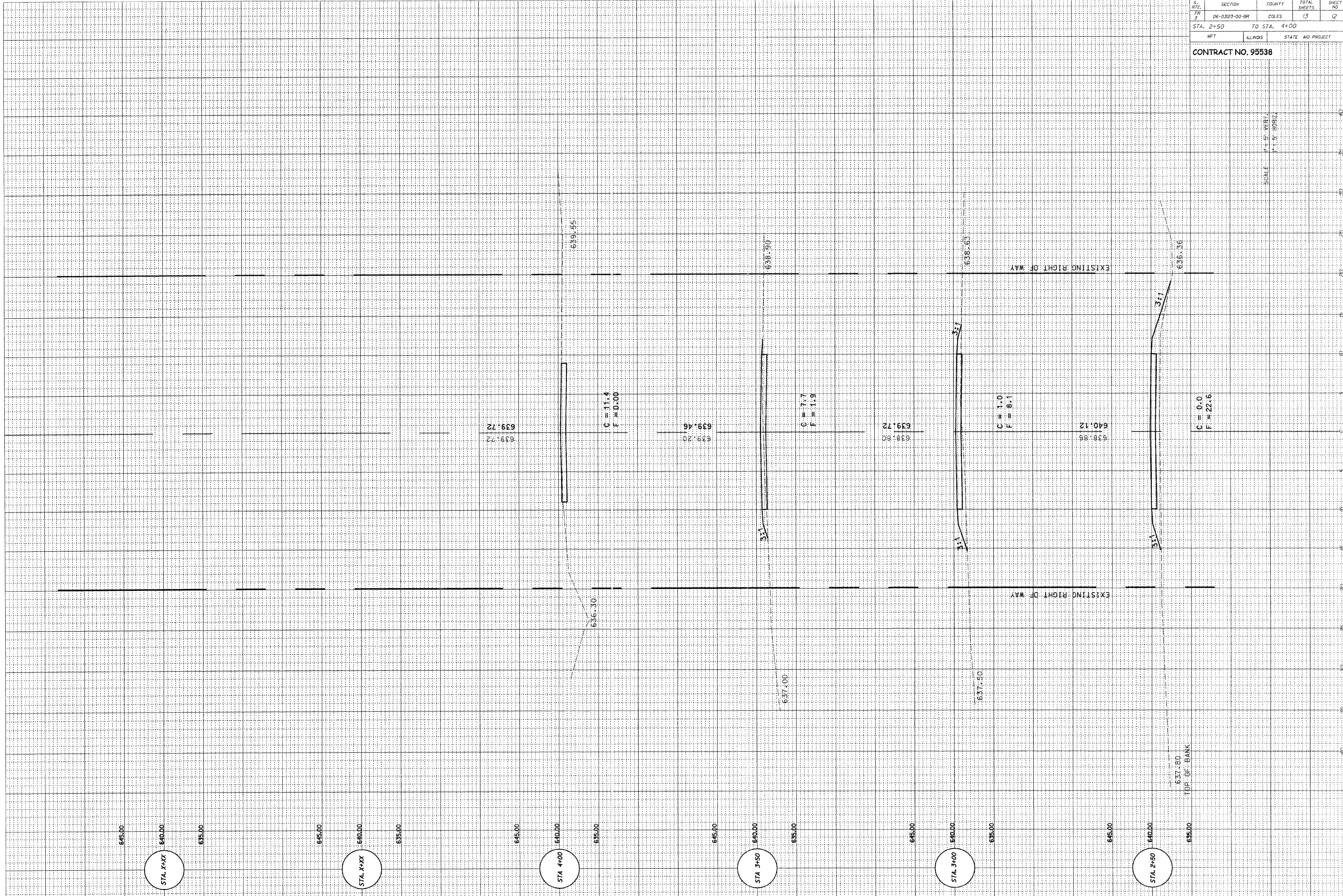
STA. 0+50

STA. 0+00

SECTION	COUNTY	TOTAL SHEETS	SHEET NO
06-0323-00-BR	COLES	13	12
STA. 2+50 TO STA. 4+00			
MFT	ALLIANCE	STATE AID PROJECT	

CONTRACT NO. 95538

SCALE: H = 5' VERT. H = 5' HORIZ.



STA. X+XX

STA. X+XX

STA. 4+00

STA. 3+50

STA. 3+00

STA. 2+50

645.00

640.00

635.00

645.00

640.00

635.00

645.00

640.00

635.00

645.00

640.00

635.00

645.00

640.00

635.00

645.00

640.00

635.00

637.50

TDP OF BANK

636.30

639.72

C = 11.4
F = 0.00

639.20

639.46

C = 7.7
F = 1.9

638.80

639.72

C = 1.0
F = 8.1

638.88

640.12

C = 0.0
F = 22.6

EXISTING RIGHT OF WAY

EXISTING RIGHT OF WAY

639.55

638.90

638.63

636.36

3:1

3:1

3:1

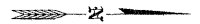
637.00

637.50

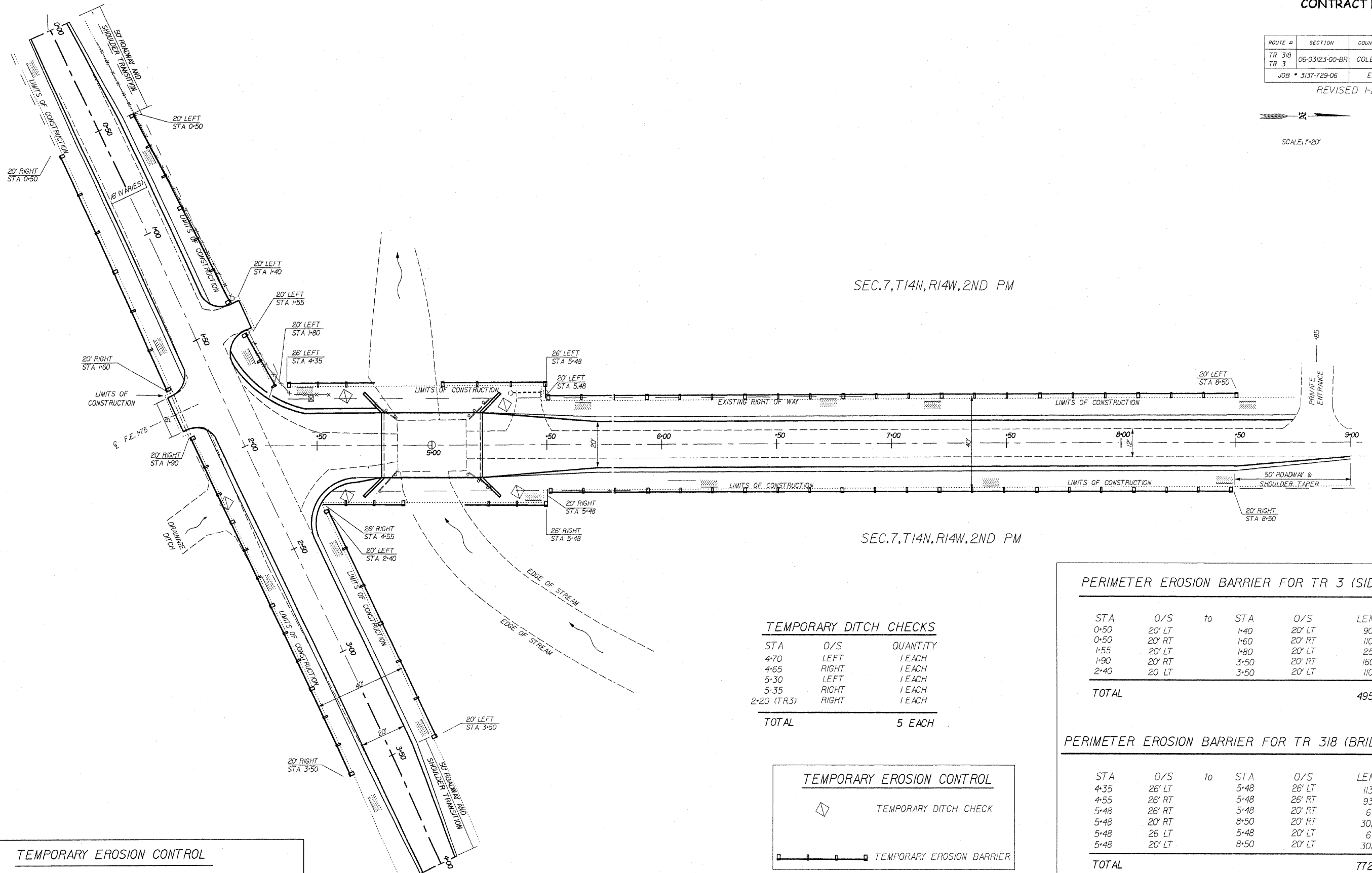
40 30 20 10 0 10 20 30 40

ROUTE #	SECTION	COUNTY	TOTAL	SHEET #
TR 318 TR 3	06-03123-00-BR	COLES	13	13
JOB # 3137-729-06		EAST OAKLAND TWP.		

REVISED 1-23-08



SCALE: 1"=20'



TEMPORARY DITCH CHECKS

STA	O/S	QUANTITY
4-70	LEFT	1 EACH
4-65	RIGHT	1 EACH
5-30	LEFT	1 EACH
5-35	RIGHT	1 EACH
2+20 (TR3)	RIGHT	1 EACH
TOTAL		5 EACH

PERIMETER EROSION BARRIER FOR TR 3 (SIDEROAD)

STA	O/S	to	STA	O/S	LENGTH
0+50	20' LT		1+40	20' LT	90 FT
0+50	20' RT		1+60	20' RT	110 FT
1+55	20' LT		1+80	20' LT	25 FT
1+90	20' RT		3+50	20' RT	160 FT
2+40	20' LT		3+50	20' LT	110 FT
TOTAL					495 FT

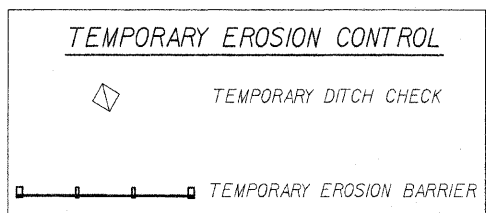
PERIMETER EROSION BARRIER FOR TR 318 (BRIDGE ROAD)

STA	O/S	to	STA	O/S	LENGTH
4+35	26' LT		5+48	26' LT	113 FT
4+55	26' RT		5+48	26' RT	93 FT
5+48	26' RT		5+48	20' RT	6 FT
5+48	20' RT		8+50	20' RT	302 FT
5+48	26' LT		5+48	20' LT	6 FT
5+48	20' LT		8+50	20' LT	302 FT
TOTAL					772 FT

GRAND TOTAL EROSION BARRIER = 1267 FEET

TEMPORARY EROSION CONTROL

BILL OF MATERIALS	UNIT	QUANTITY
TEMPORARY DITCH CHECKS	EACH	5
PERIMETER EROSION BARRIER	FOOT	1267



GENERAL NOTES

- 1) SEE SPECIAL PROVISIONS
- 2) SEE STANDARD 280001-02

McCLINTOCK
 CIVIL ENGINEERING SERVICE
 404 SHAW AVENUE, PARIS, IL 61944
 PHONE (217) 466-6110