

INDEX OF SHEETS

SHEET NO.	CONTENTS
1	COVER SHEET
2	PLAN AND PROFILE (TR318)
3	PLAN AND PROFILE (TR3)
4	GENERAL PLAN AND ELEVATION
5	SUPERSTRUCTURE DETAILS
6	ABUTMENT DETAILS
7	RAIL DETAILS
8	SOIL BORINGS
9-10	ROADWAY CROSS SECTIONS (TR318)
11-12	ROADWAY CROSS SECTION (TR3)
13	EROSION CONTROL PLAN

STANDARDS

STD. NO.	DESCRIPTION
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
515001-02	NAME PLATE FOR BRIDGES
701901	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
BLR 21-7	TRAFFIC CONTROL
BLR 22-5	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

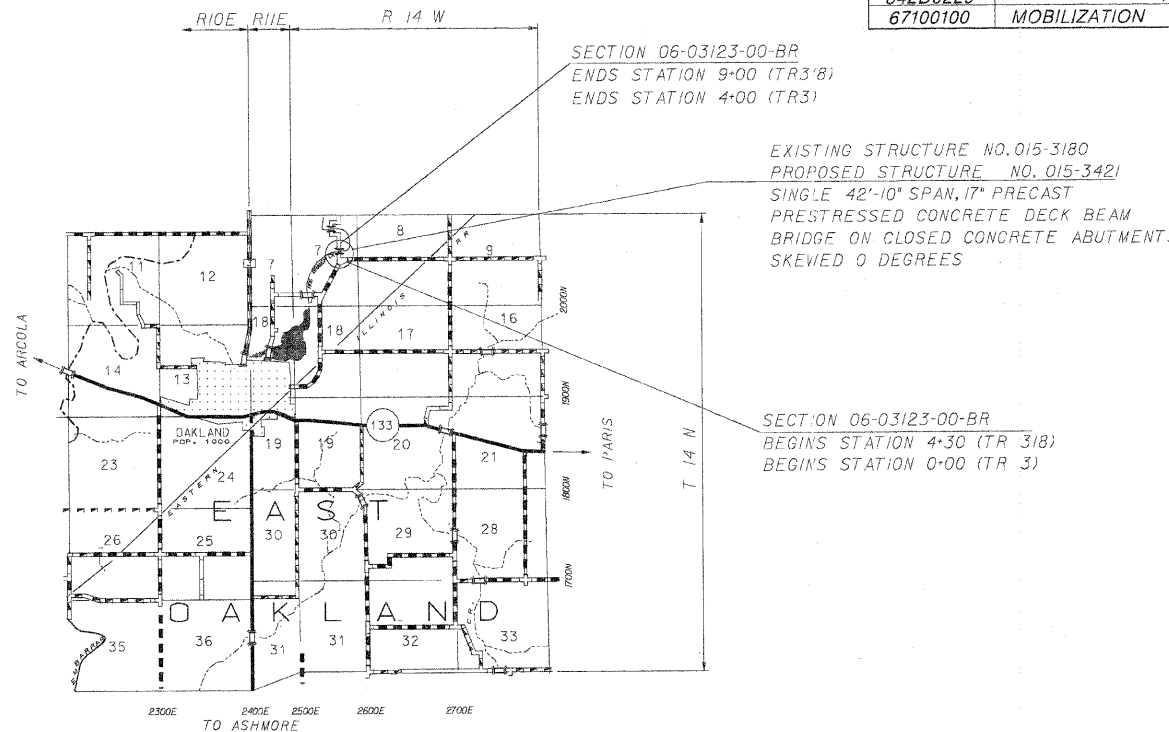
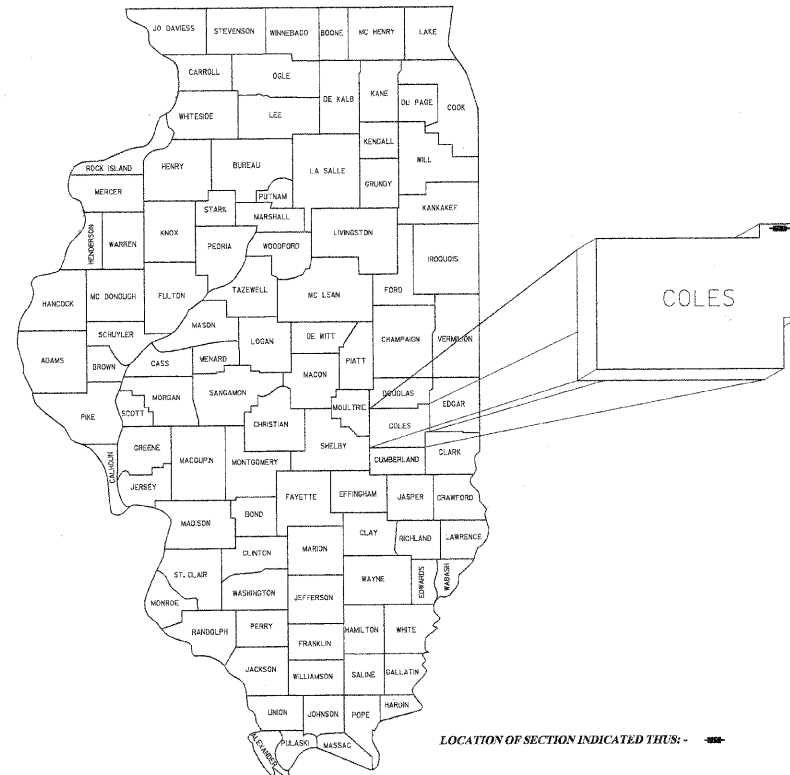
ITEM NO.	ITEMS	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU. YD.	127
20300100	CHANNEL EXCAVATION	CU. YD.	175.0
20400800	FURNISHED EXCAVATION	CU. YD.	540
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.35
28000300	TEMPORARY DITCH CHECKS	EACH	5
28000400	PERIMETER EROSION BARRIER	FOOT	1267
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	50.0
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	900.0
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200300	COFFERDAM EXCAVATION	CU. YD.	817
50200500	COFFERDAMS	EACH	2
50300225	CONCRETE STRUCTURES	CU. YD.	92.6
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ. FT.	1232.0
50800105	REINFORCEMENT BARS	POUND	4950
50900205	STEEL RAILING, TYPE S1	FOOT	92.0
51201400	FURNISHING STEEL PILES HP 10X42	FOOT	1392
51202305	DRIVING PILES	FOOT	1392
51203400	TEST PILE STEEL HP 10X42	EACH	1
51500100	NAME PLATES	EACH	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	35
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	82
67100100	MOBILIZATION	EACH	1

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

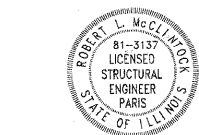
TOLL FREE JOINT UTILITY
LOCATING INFORMATION
FOR EXCAVATORS (J.U.L.I.E.)
TELEPHONE # 1-800-892-0123



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: 12-14-07

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

APPROVED DECEMBER 18 2007
Robert L. McClintock
COUNTY ENGINEER

APPROVED December 18 2007
Randall Stucke
ROAD COMMISSIONER

PASSED 1-02 2008
Maurice L. Cook
DISTRICT SEVEN ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW 1-02 2008
Christie M. Reed
DEPUTY DIRECTOR OF HIGHWAYS REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

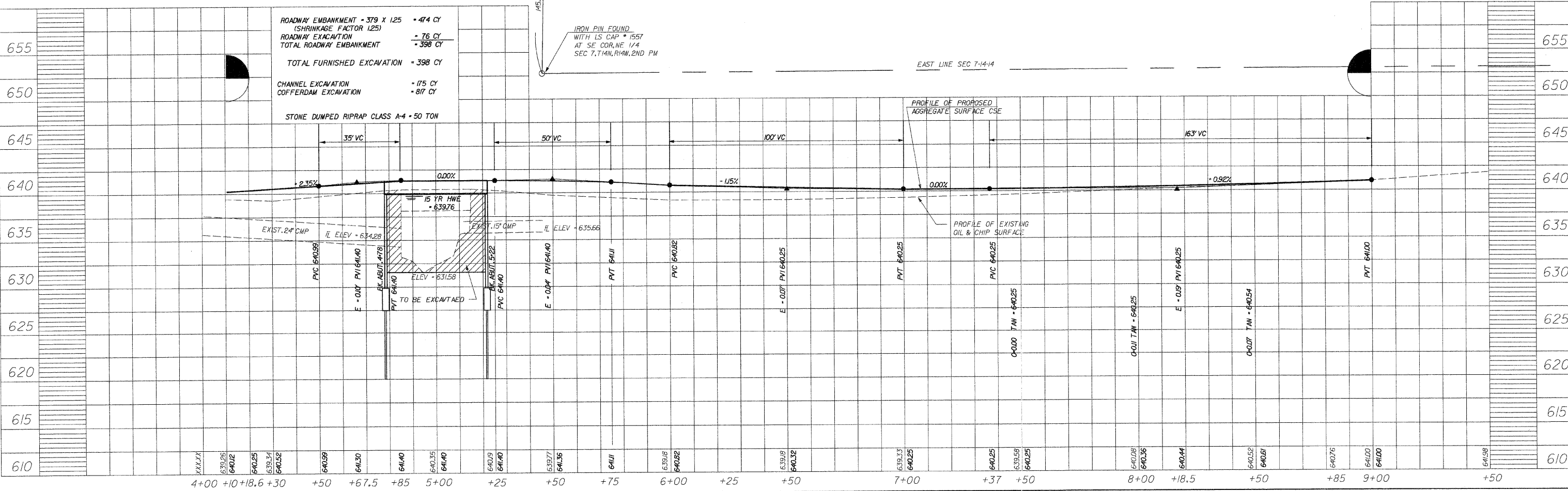
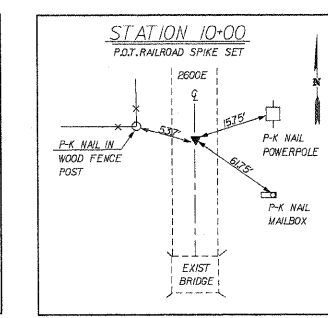
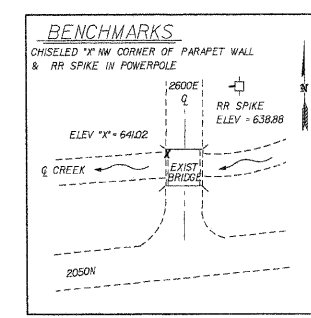
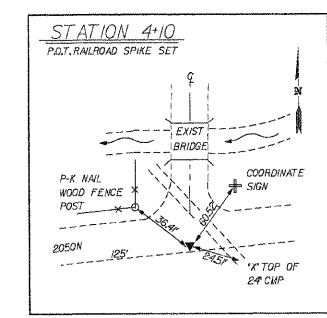
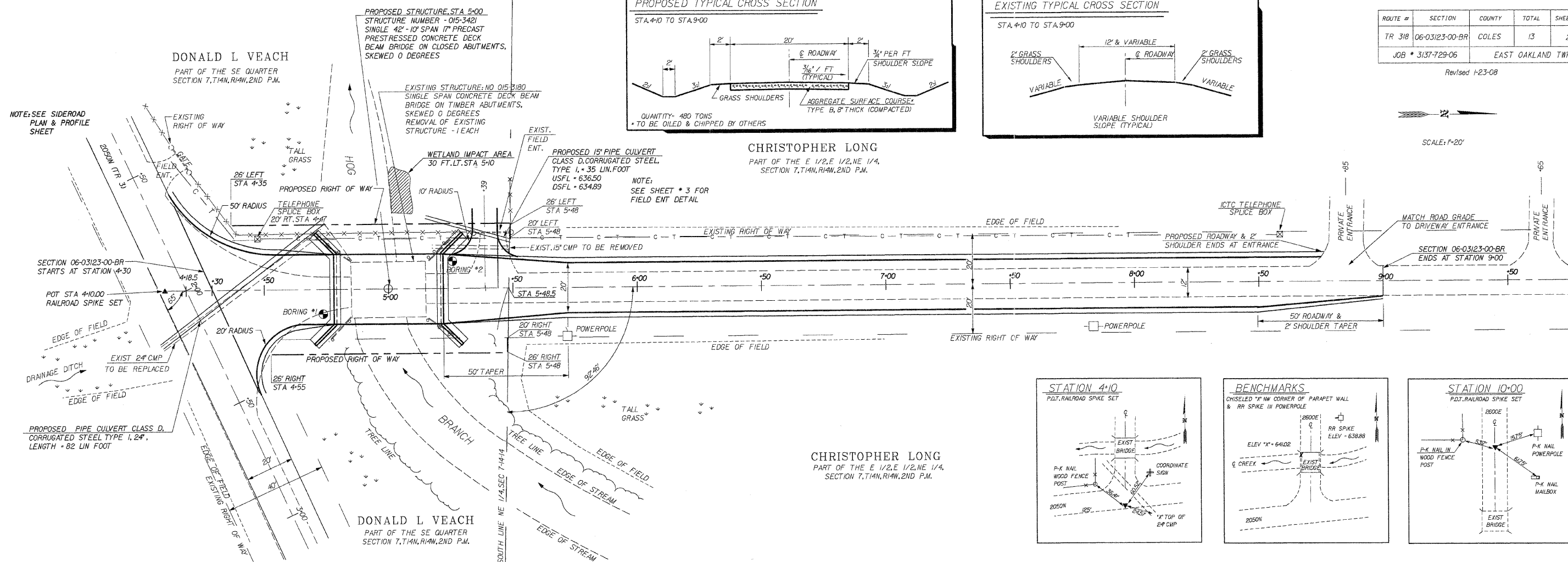
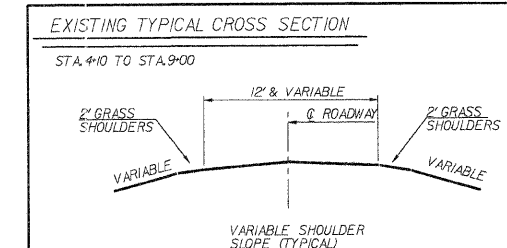
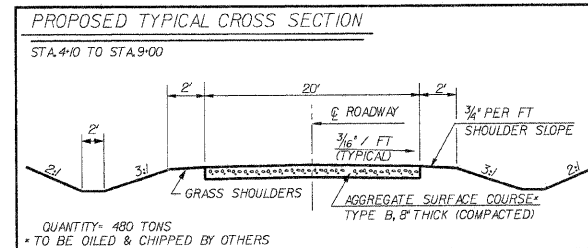
McCLINTOCK
CIVIL ENGINEERING SERVICE
404 SHAW AVENUE, PARIS, IL 61944
PHONE (317) 466-8110

DRN SDE DATE 3/23/07 SHEET 1 OF 13
REV. 12/10/07 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.	

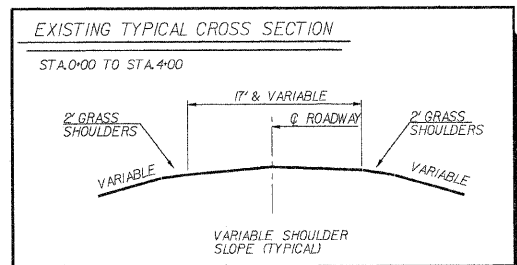
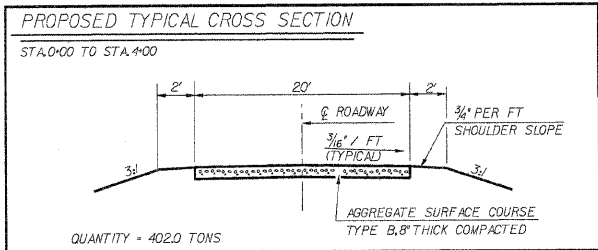
Revised 1-23-08



ROUTE #	SECTION	COUNTY	TOTAL	SHEET #
TR 3	06-03123-00-BR	COLES	13	3

JOB # 3137-729-06 EAST OAKLAND TWP.

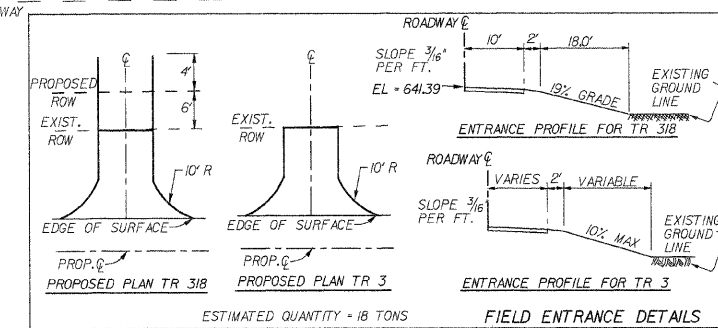
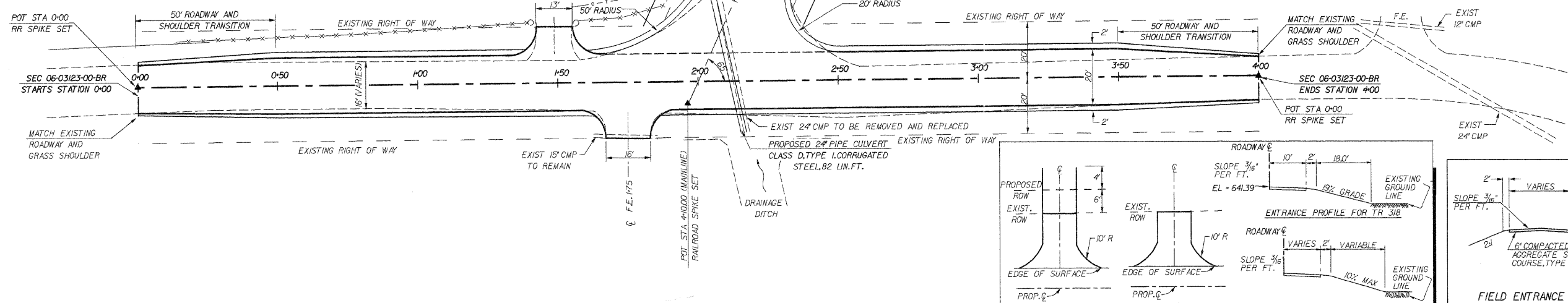
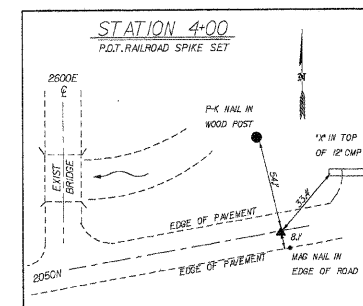
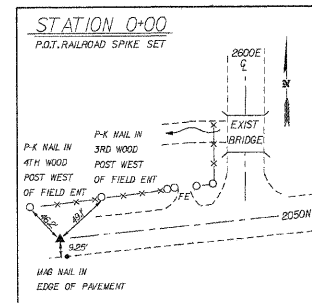
REVISED 1-24-08



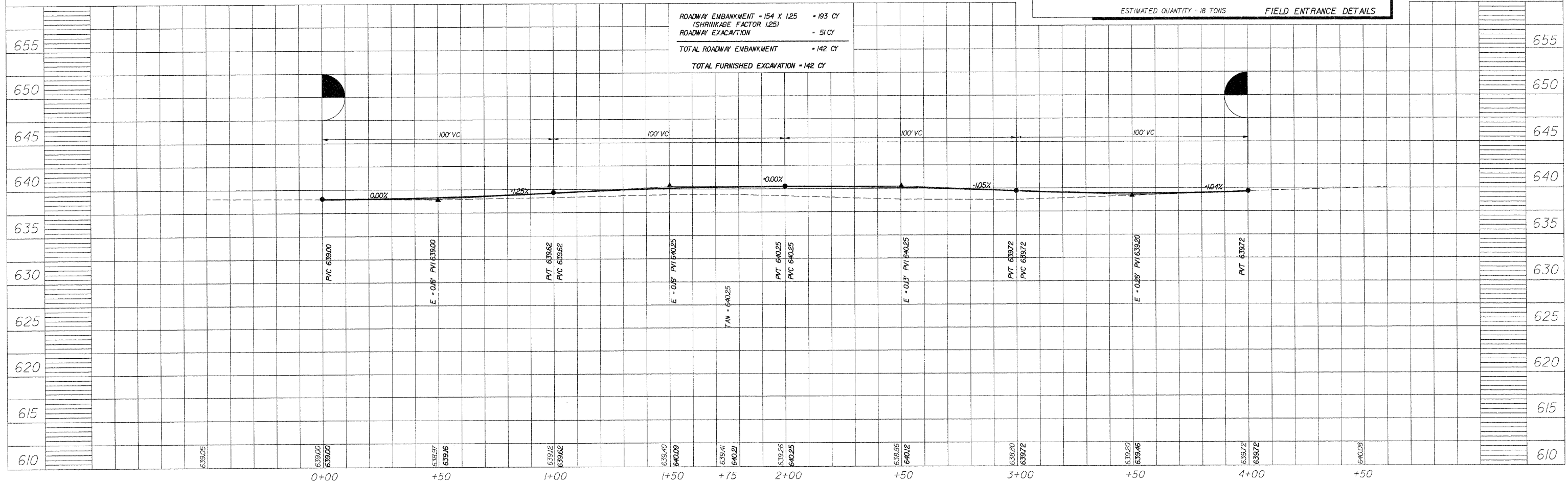
CHRISTOPHER LONG
PART OF THE E 1/2, E 1/2, NE 1/4
SECTION 7, T 14 N, R 14 W, 2ND PM

DONALD L. VEACH
PART OF THE SE QUARTER
SECTION 7, T 14 N, R 14 W, 2ND PM.

DONALD L. VEACH
PART OF THE SE QUARTER
SECTION 7, T 14 N, R 14 W, 2ND PM.



ROADWAY EMBANKMENT - 154 X 125 - 193 CY
(SHRINKAGE FACTOR 125)
ROADWAY EXCAVATION - 51 CY
TOTAL ROADWAY EMBANKMENT - 142 CY
TOTAL FURNISHED EXCAVATION - 142 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
-  - COFFERDAM EXCAVATION (2 @ 18x54)

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.

WE WILL CONSTRUCT ONE COFFERDAM AND EVALUATE THE SOIL CONDITIONS TO DETERMINE WHETHER A SECOND COFFERDAM WILL BE NECESSARY.

NO BACKFILL SHALL BE PLACED BEHIND THE PROPOSED ABUTMENTS UNTIL THE SUPER STRUCTURE IS DOWELLED IN PLACE. SEE ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS.

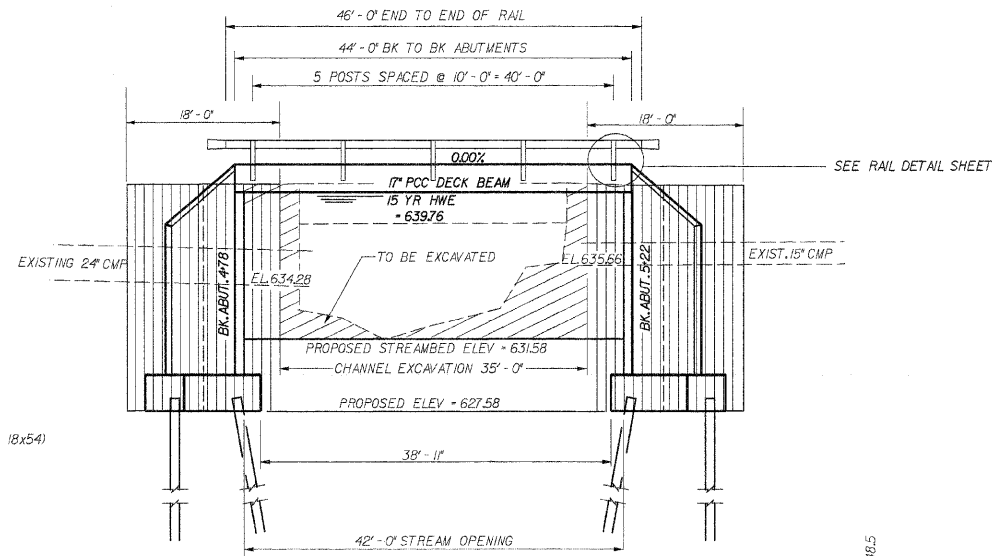
REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31, M42 OR M53 GRADE 60

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

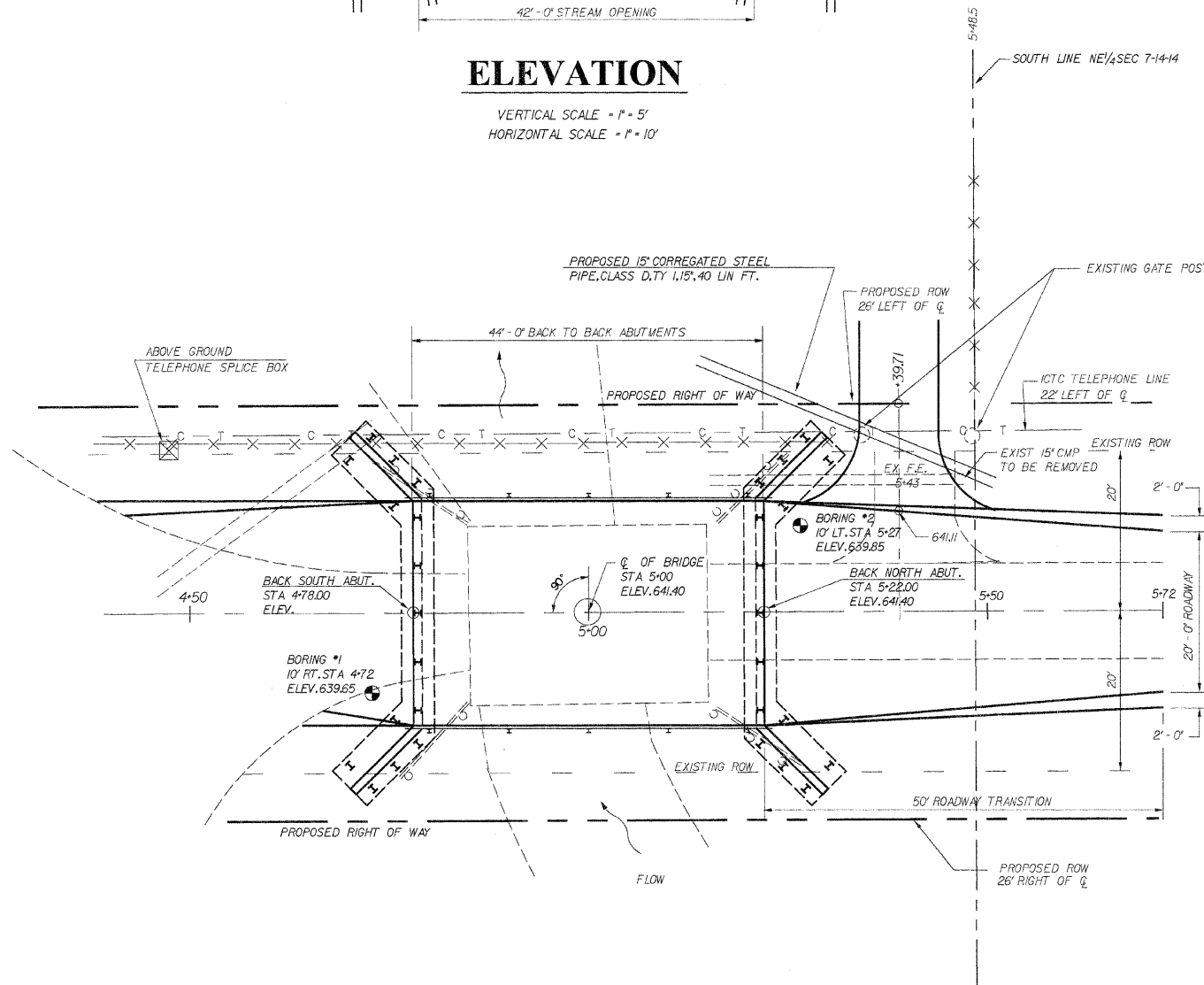
CHANNEL EXCAVATION SHALL EXTEND TO PROPOSED RIGHT OF WAY LINES.

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



ELEVATION

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



PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ.FT.	1232		1232
CONCRETE STRUCTURES	CU.YD.		926	926
REINFORCEMENT BARS	POUND		4950	4950
STEEL RAILING, TYPE S-1	FOOT	92		92
NAME PLATES	EACH	1		1
FURISHING STEEL PILES HP 10 X 42	FOOT		1392	1392
DRIVING PILES	FOOT		1392	1392
TEST PILE, STEEL HP 10 X 42	EACH		1	1
CHANNEL EXCAVATION	CU.YD.		175	175
STONE DUMPED RIPRAP, CLASS A-4	TON		50	50
COFFERDAM EXCAVATION	CU.YD.		817	817
REMOVAL OF EXISTING STRUCTURES	EACH	1		1
COFFERDAMS	EACH		2	2

WATERWAY INFORMATION

PROPOSED LOW GRADE = 640.25 @ STA 7+00

FLOOD	FREQ. YR.	Q C.F.S.	OPENING SQ.FT.		NAT. H.W.E.	HEAD - FOOT		HEADWATER EL.	
			EXISTING	PROP.		EXIST.	PROP.	EXIST.	PROP.
DESIGN	15	842	136	308	639.76	0.39	0.33	640.15	640.09
BASE	100	1257	136	308	640.36	0.28	0.70	640.64	641.06
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								

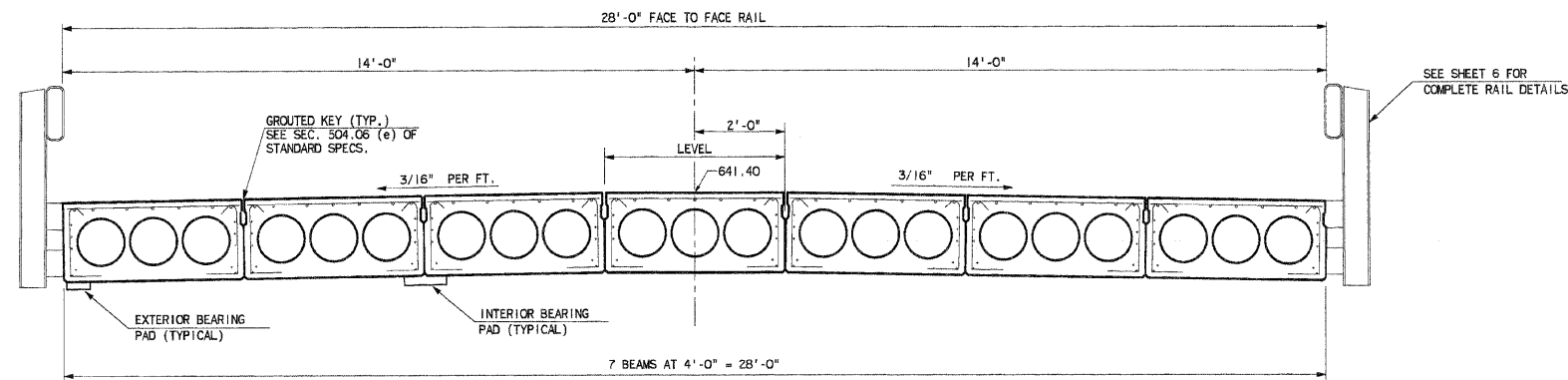
SEC.06-03123-00-BR BUILT 200 EAST OAKLAND ROAD DIST. COLES COUNTY
LOADING HS 20 BROS-029 (281) STR.NO.015-3421

NAME PLATE DETAIL
(SEE STANDARD 515001)

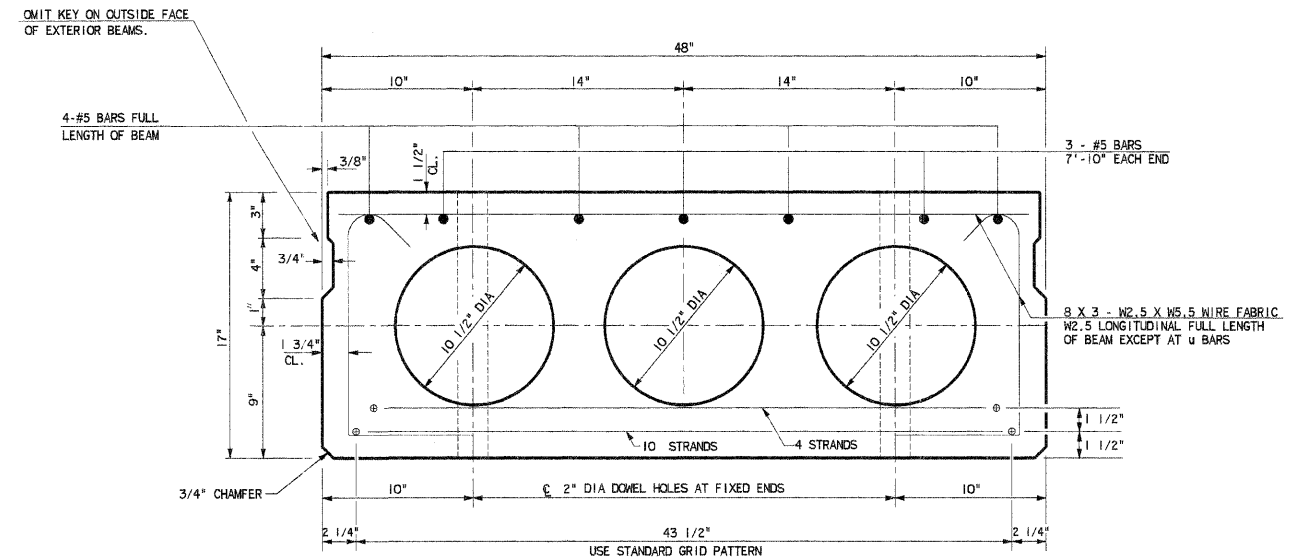


"I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current 'AASHTO Standard Specifications for Highway Bridges."
Robert L. McClintock Date: 12-14-07
Robert L. McClintock ILL.S.E.# 3137 License Expires 11-13-08

<p>GENERAL PLAN & ELEVATION</p> <p>SEC.06-03123-00-BR EAST OAKLAND ROAD DIST. COLES COUNTY</p>	<p>DRN SDE DATE 4/10/07 REV.12/12/07 SCALE 1" = 10'</p>	<p>McCLINTOCK CIVIL ENGINEERING SERVICE 404 SHAW STREET, PARSONS, IL 61944 PHONE (201) 466-6100</p>
	<p>APPR.</p>	<p>SHEET 4 OF 13 JOB NO.3137-729-06</p>

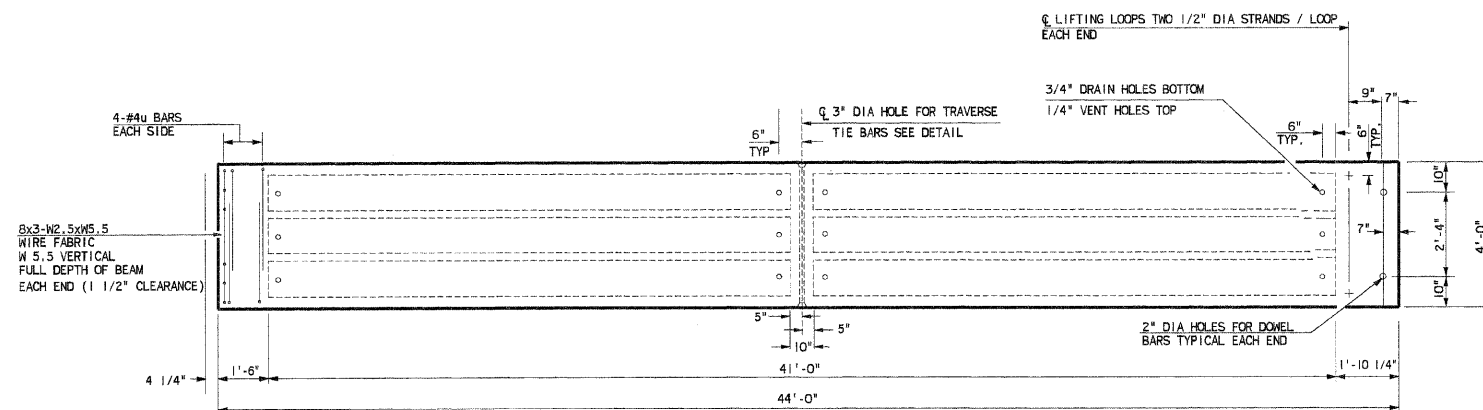


CROSS SECTION

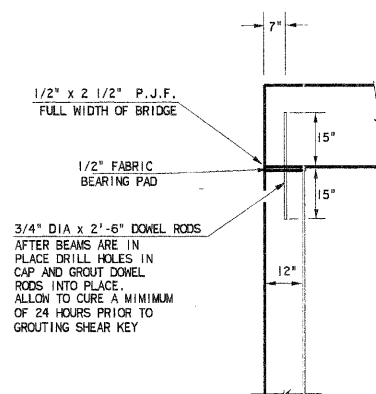


TYPICAL SECTION

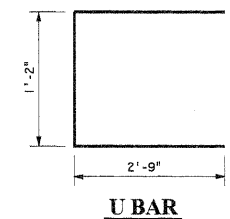
18-NO 7 WIRE 1/2" DIA STRANDS STRESSED TO 28,900 POUNDS
 8 STRANDS 1 3/4" UP
 10 STRANDS 3 1/4" UP



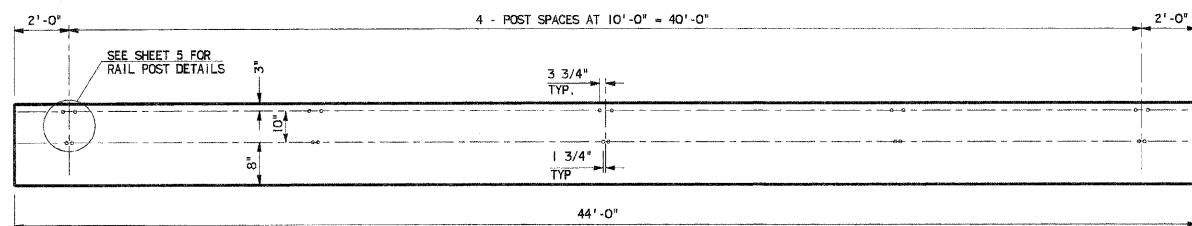
TYPICAL PLAN OF BEAMS



SECTION AT ABUTMENT

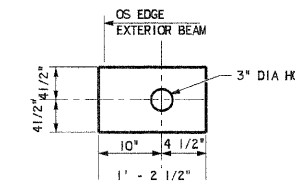


UBAR



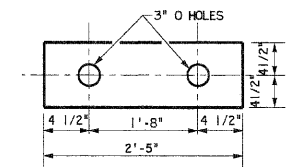
ELEVATION OF OUTSIDE BEAMS

SHOWING RAIL POST SPACING



BRG. PAD DETAIL

EXTERIOR
 (4 REQ'D)



BRG. PAD DETAIL

INTERIOR
 (12 REQ'D)

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.

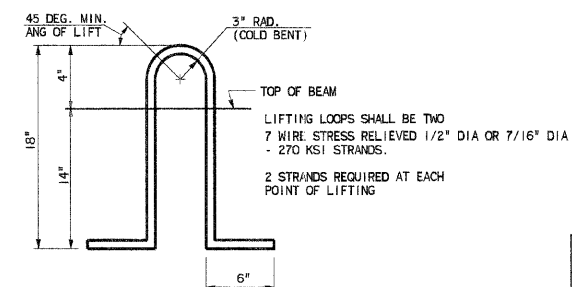
THE BEARING SEAT SURFACES SHALL BE ADJUSTED BY SHIMMING TO ASSURE FIRM AND EVEN BEARING. TWO 1/8" FABRIC ADJUSTING SHIMS OF THE DIMENSIONS OF THE EXTERIOR BEARING PAD SHALL BE PROVIDED FOR EACH BEARING.

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



LIFTING LOOP DETAIL

BILL OF MATERIAL

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

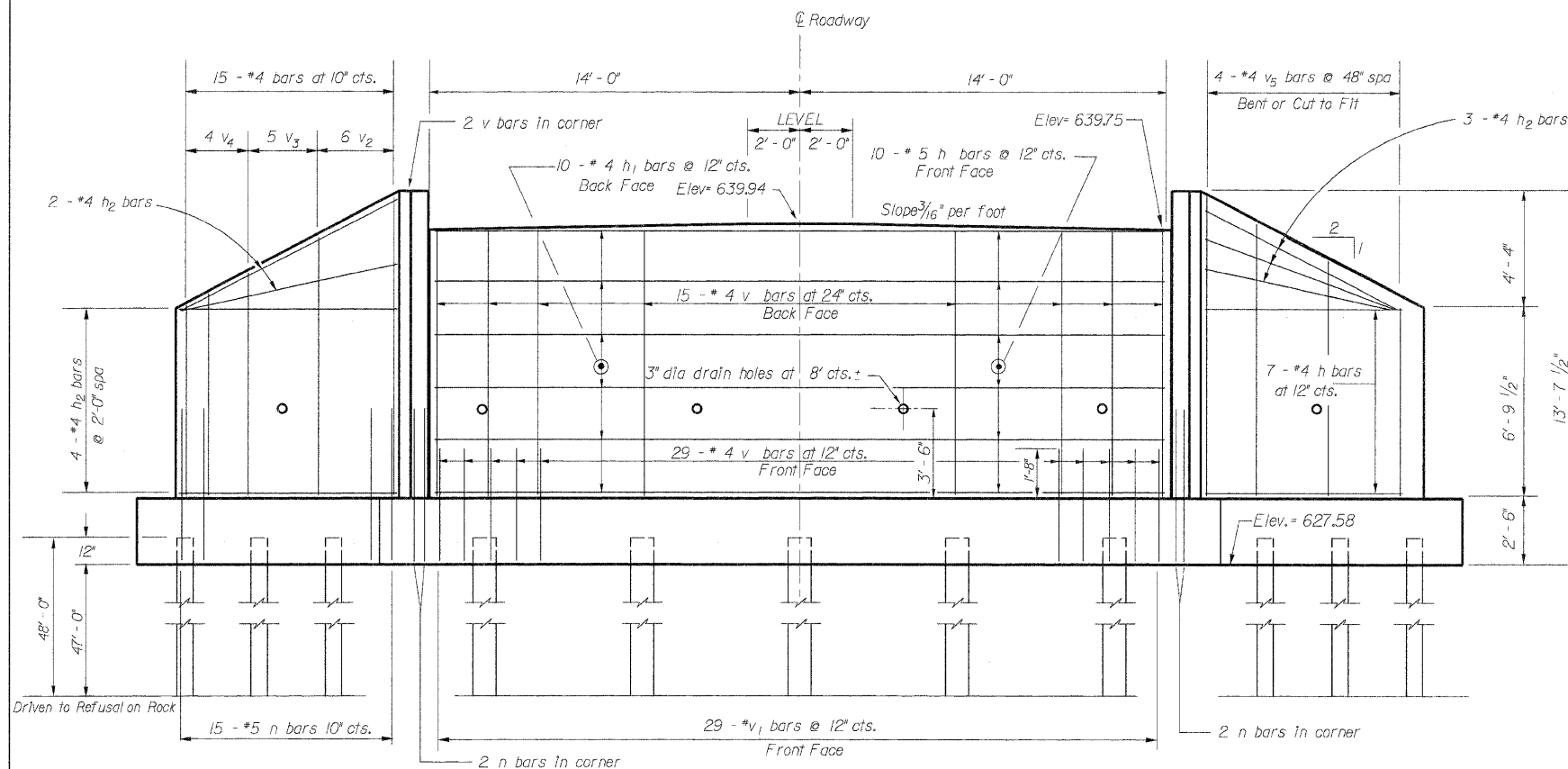
SUPERSTRUCTURE DETAILS

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

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

DRN SDE DATE: 4/10/07
 Rev 12/12/07 SCALE: NTS
 APPR.

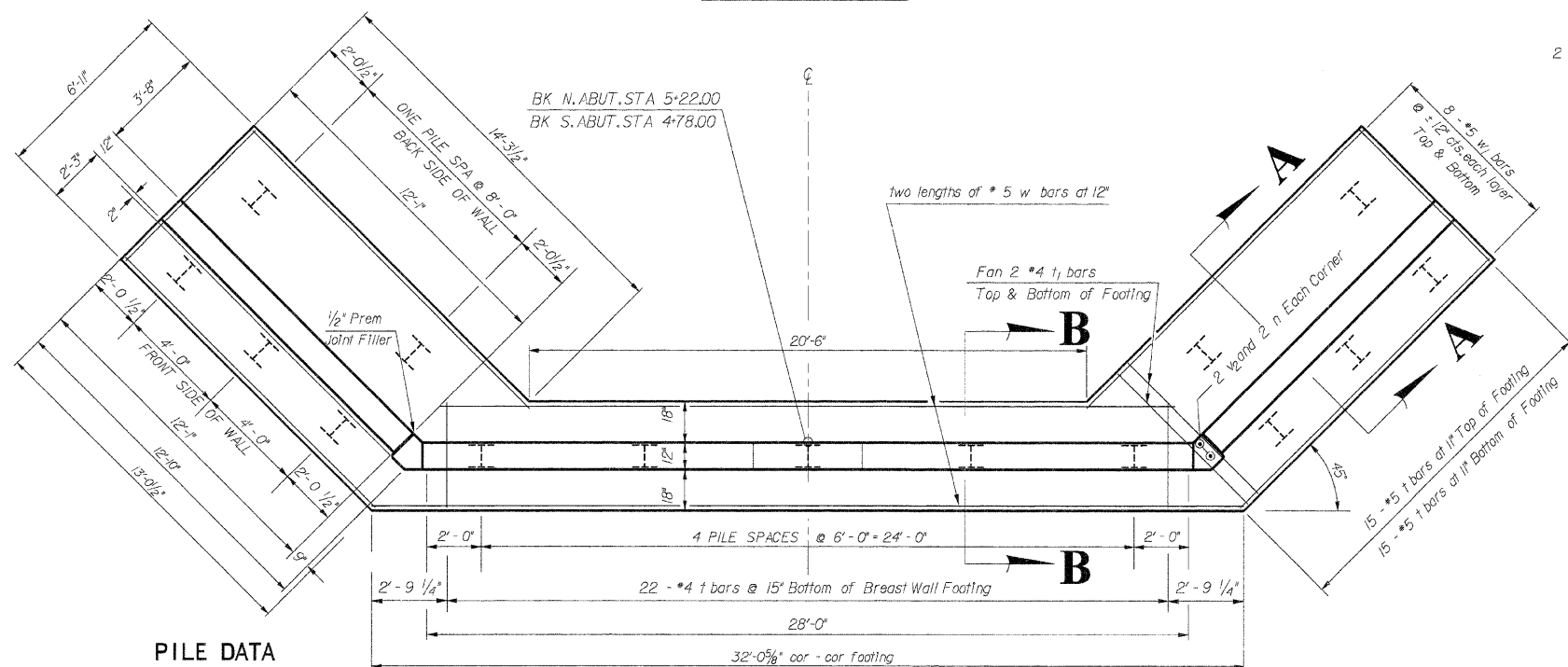
SHEET 5 OF 13
 JOB NO. 3137-729-06



REINFORCEMENT BACK FACE

REINFORCEMENT FRONT FACE

ELEVATION



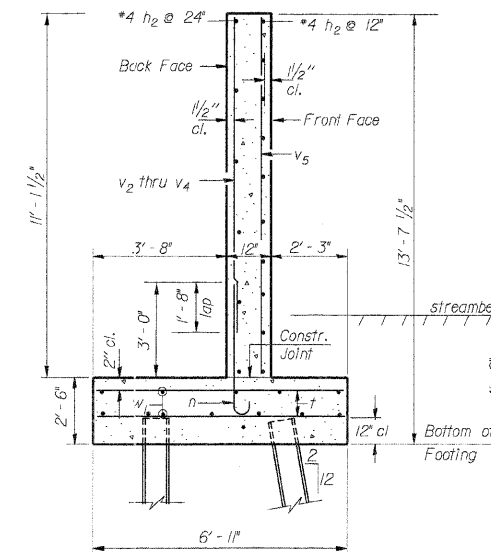
PILE DATA

PLAN

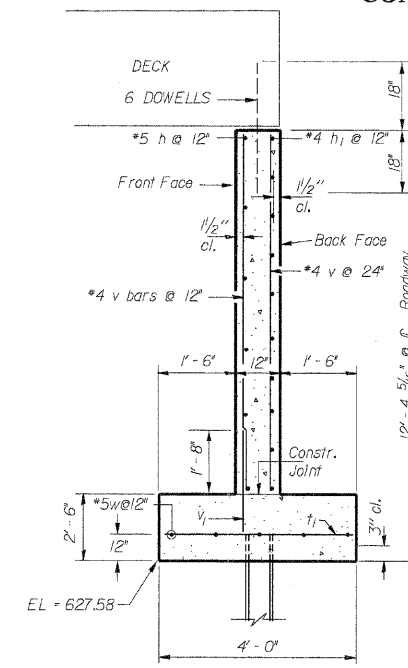
SHOWING REINFORCEMENT IN FOOTING

TYPE	HP 10 X 42
NO. REQUIRED	30 *
ALLOWABLE RESISTANCE AVAILABLE	112 KIPS/PILE
NOMINAL REQUIRED BEARING	335 KIPS/PILE
EST. LENGTH	48'/PILE NORTH & SOUTH ABUTMENT

NOTES: STEEL H-PILES SHALL BE ACCORDING TO AASHTO M270 GRADE 50
 THE TEST PILE SHALL BE DRIVEN TO 110 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.



SECTION A-A
THROUGH WINGWALLS

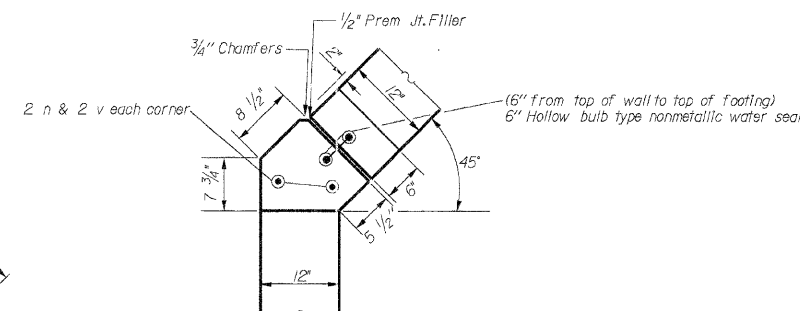


SECTION B-B
THROUGH BREASTWALL

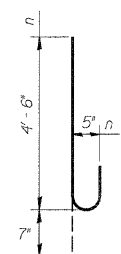
NOTE: DO NOT BACKFILL BEHIND BREASTWALL UNTIL DECK IS SET & DOWELLED IN PLACE

BILL OF MATERIAL

TWO ABUTMENTS				
Bar	No.	Size	Length	Shape
a1				
a2				
d				
h	20	#5	27'-8"	▬
h1	20	#4	27'-8"	▬
h2	64	#4	11'-9"	▬
h3				▬
h4				▬
n	22	#5	5'-1"	┌
v	88	#4	9'-2"	▬
v1	58	#4	3'-1"	▬
v2	32	#4	9'-0"	▬
v3	20	#4	7'-3"	▬
v4	16	#4	5'-9"	▬
v5	16	#4	10'-11"	▬
t	120	#5	6'-8"	▬
t1	52	#5	3'-9"	▬
w	20	#5	16'-6"	▬
w1	64	#5	13'-0"	▬
Concrete Structures		Cu.Yd.	92.6	
Reinforcement Bars		Pound	4950	
Furn. Steel Piles HPIOX42		Foot	1392	
Driving Piles		Foot	1392	
Test Pile, Steel HP 10x42		Each	1	
Cofferdam Excavation		Cu.Yd.	817	



CORNER DETAIL



BAR n

ABUTMENT DETAILS		McCLINTOCK CIVIL ENGINEERING SERVICE 404 SHAW AVENUE, PARIS, IL 61944 PHONE (217) 466-6110	
SECTION 06-03123-00-BR EAST OAKLAND TOWNSHIP COLES COUNTY		DRN SDE DATE 4/09/07 REV. 12/10/07 SCALE N/A	SHEET 6 OF 13
APPR. RLWG		JOB NO. 3137-729-06	

MATERIAL REQUIREMENTS

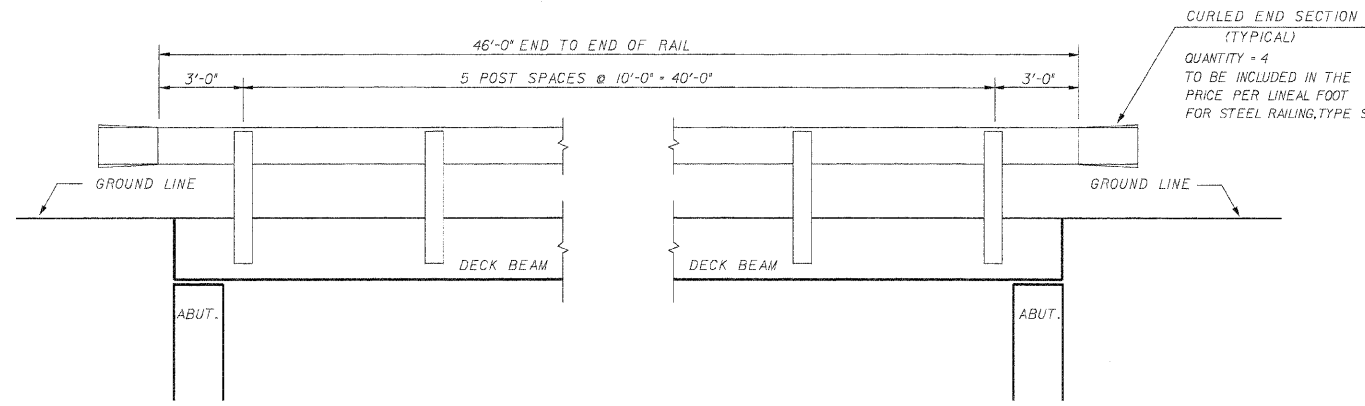
HOLLOW STRUCTURAL STEEL TUBING SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. DESIGNATION A-500 GRADE B STRUCTURAL STEEL TUBING.
 ALL OTHER STEEL SHAPES AND PLATES SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. M-183 EXCEPT POSTS AND ANGLES SHALL CONFORM TO A.A.S.H.T.O. M-223, GRADE 50.
 BOLTS, CAP 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

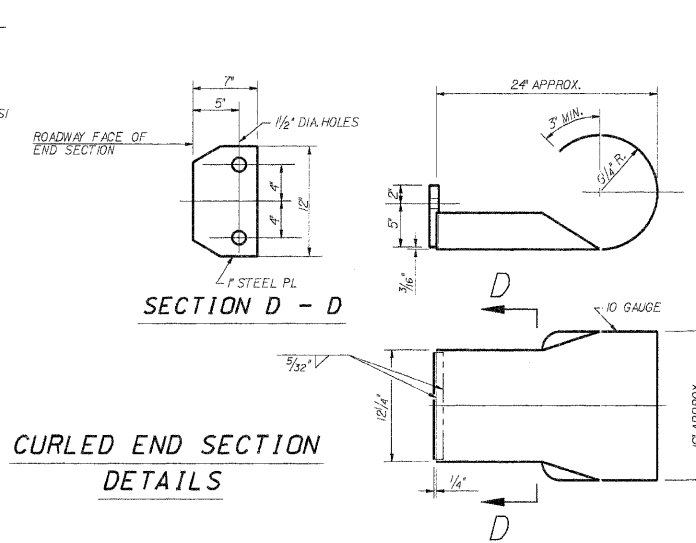
- (A) FOR MULTI-SPAN BRIDGES, SUFFICIENT 1/4" x 6" x 1'-2" GALVANIZED STEEL SHIMS SHALL BE PROVIDED TO ALIGN RAIL BETWEEN ADJACENT SPANS. COST INCIDENTAL TO STEEL RAILING.
 ALL FIELD DRILLED HOLES SHALL BE COATED WITH AN APPROVED ZINC RICH PAINT BEFORE ERECTION.
 THE 1/2" x 4" x 6" PLATES THAT COME IN 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 (1X3) 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

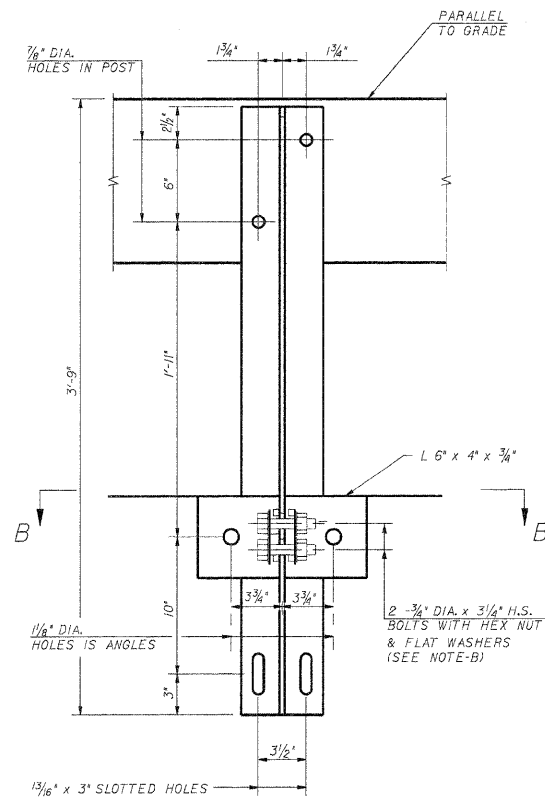
ITEM	UNIT	QUANTITY
STEEL RAILING, TYPE SI	FOOT	92



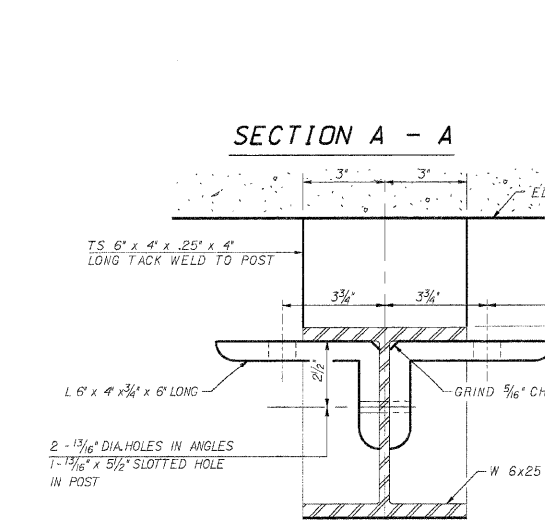
ELEVATION



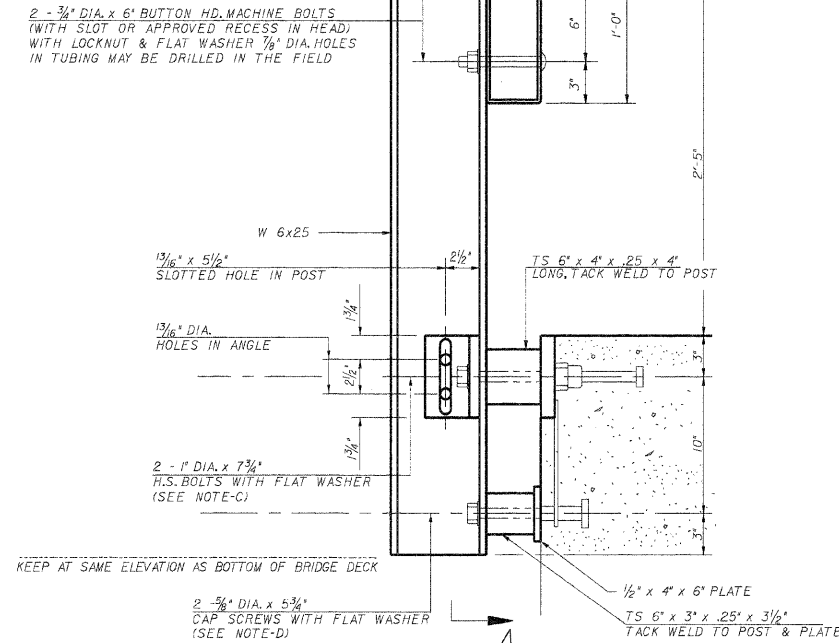
CURLED END SECTION DETAILS



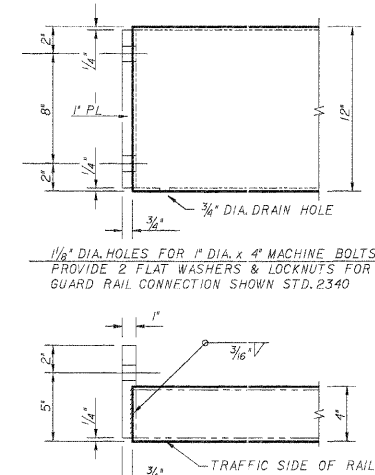
SECTION A - A



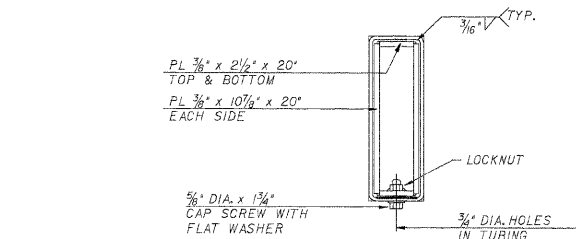
SECTION B - B



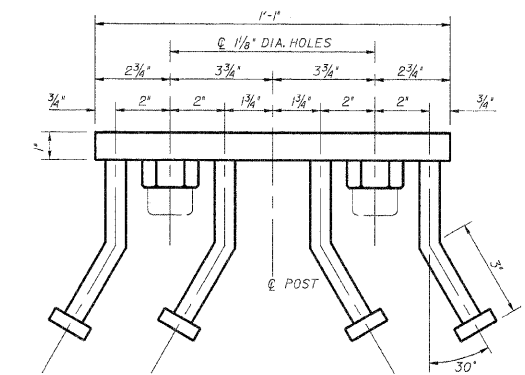
SECTION AT RAIL POST



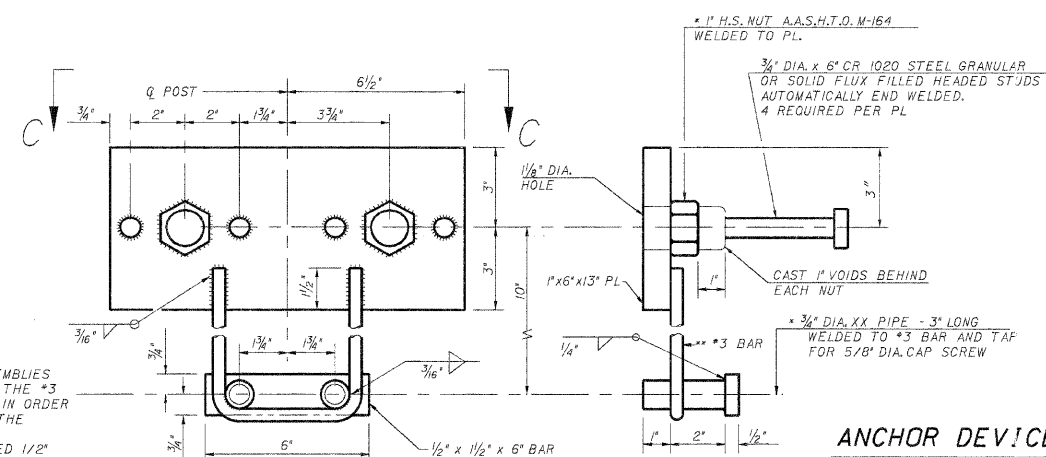
END OF RAIL DETAILS



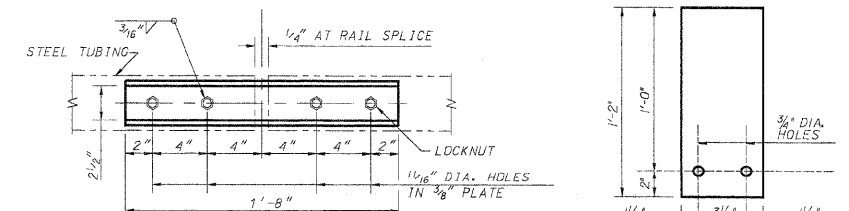
SECTION AT RAIL SPLICE



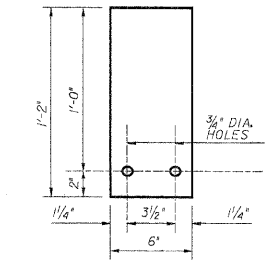
VIEW C - C



ANCHOR DEVICE



PLAN - BOTTOM SPLICE PL. TYPICAL



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

* 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) 466-6110	DRN SDE DATE 1/29/07 REV. 12/12/07 SCALE: NTS APPR.	SHEET 7 OF 13 JOB NO. 3137-729.06
---	--	---	--------------------------------------

HOLCOMB FOUNDATION ENGINEERING, INC. P.O. BOX 88 CARBONDALE, IL 62903 PH: 618-229-5282		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	Surf Wat EL	528.21				
BORING NO.	1 SOUTH ABUT	Groundwater EL	PLUG				
STA	4+7.2	At Compl	PLUG				
OFFSET	10' RT. CL.	At	Hrs.				
EL (FT)	B L O W S (1/8')	U C S (1st)	M O I S T (%)	EL	N	Qu 1/2'	W
639.65							
638.65							
	8	0.75	11		28		
				611.15			
	5	0.78	17		49	8.05	9
633.65							
	2	0.48	23				
	5	0.28	20				
628.65							
	21	3.38	14				
625.65							
	8	1.25	37				
	8	0.45	115				
620.65				595.65			
	5	0.88	32		60/3'	2.35	10
618.65							
	4	1.18	21				
615.65				591.65			
	26		19		100/3'		4
				589.65			

HOLCOMB FOUNDATION ENGINEERING, INC. P.O. BOX 88 CARBONDALE, IL 62903 PH: 618-229-5282		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	Surf Wat EL	528.21				
BORING NO.	2 NORTH ABUT	Groundwater EL	PLUG				
STA	5+27	At Compl	PLUG				
OFFSET	10' LT. CL.	At	Hrs.				
EL (FT)	B L O W S (1/8')	U C S (1st)	M O I S T (%)	EL	N	Qu 1/2'	W
639.85							
638.85							
	10	1.85	13		29	0.98	20
	4	1.45	22		7.4	7.75	7
	8	2.95	13				
	9	2.75	15		66	6.45	10
	12	0.68	17				
626.35							
	20		26		30	6.08	16
623.35							
	10	0.55	106				
	8	1.48	37		60/6'		9
617.85							
	9	2.38	20				
591.35							
	14	1.48	14		100/3'		8
				589.85			

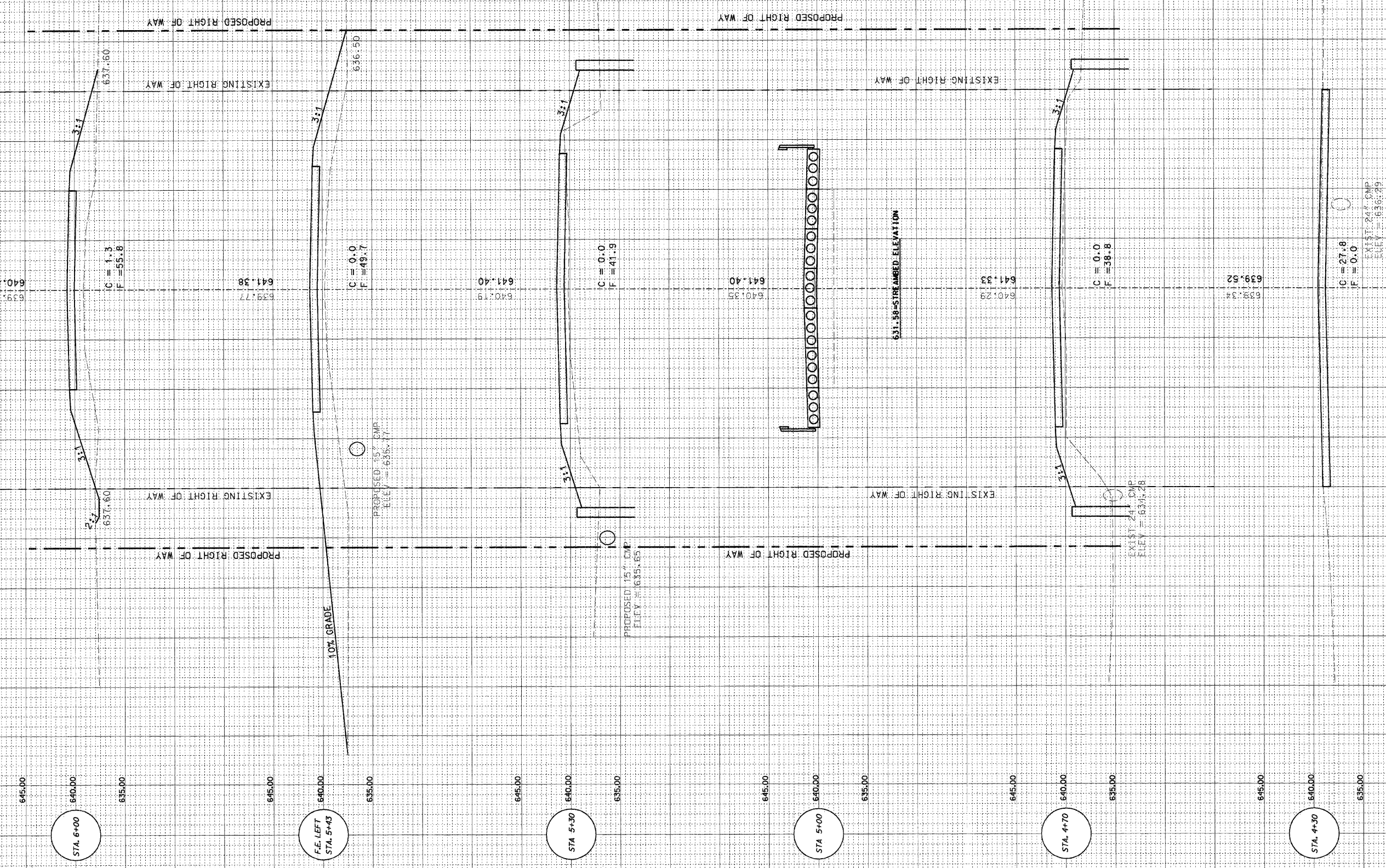
N=Std Penr Test; Blows per Foot to drive 2" OD Sampler, with a 140# Hammer Falling 30'
Qu=Unconfined Comp. Strgth in tons/sq.ft., (Type Fail: B-Bulge S-Shear), E=Estimated P=Penetrometer

N=Std Penr Test; Blows per Foot to drive 2" OD Sampler, with a 140# Hammer Falling 30'
Qu=Unconfined Comp. Strgth in tons/sq.ft., (Type Fail: 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. RLMc REV 2/26/07 APPR.
SHEET 8 OF 13 JOB NO. 3137-729-06		

CONTRACT NO. 95538

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

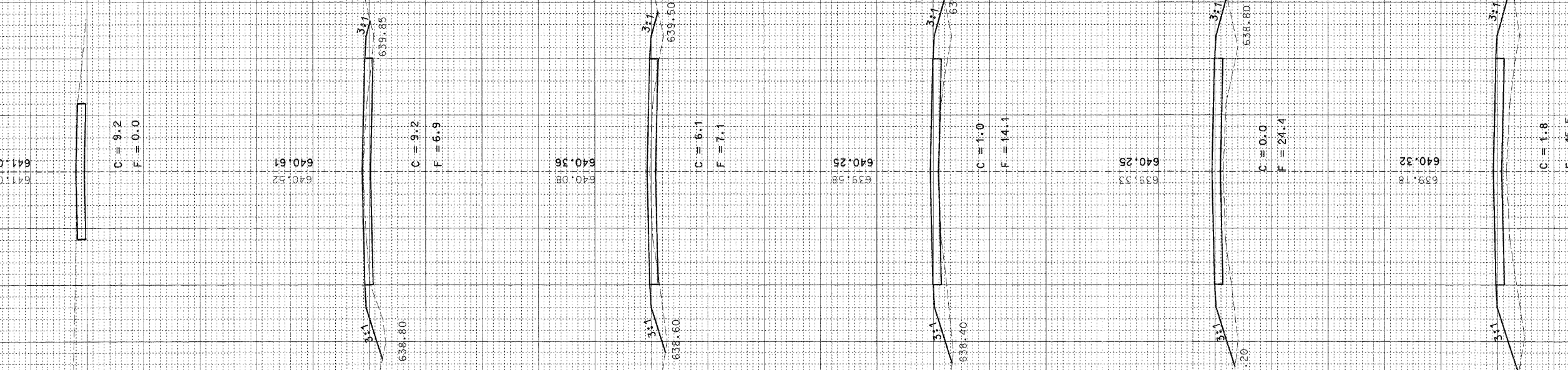


SCALE: 1" = 3' VERT.
1" = 30' HORIZ.

EXISTING RIGHT OF WAY

EXISTING RIGHT OF WAY

PROPOSED RIGHT OF WAY



C = 9.2
F = 0.0

C = 9.2
F = 6.9

C = 6.1
F = 7.1

C = 1.0
F = 14.1

C = 0.0
F = 24.4

C = 1.8
F = 45.5

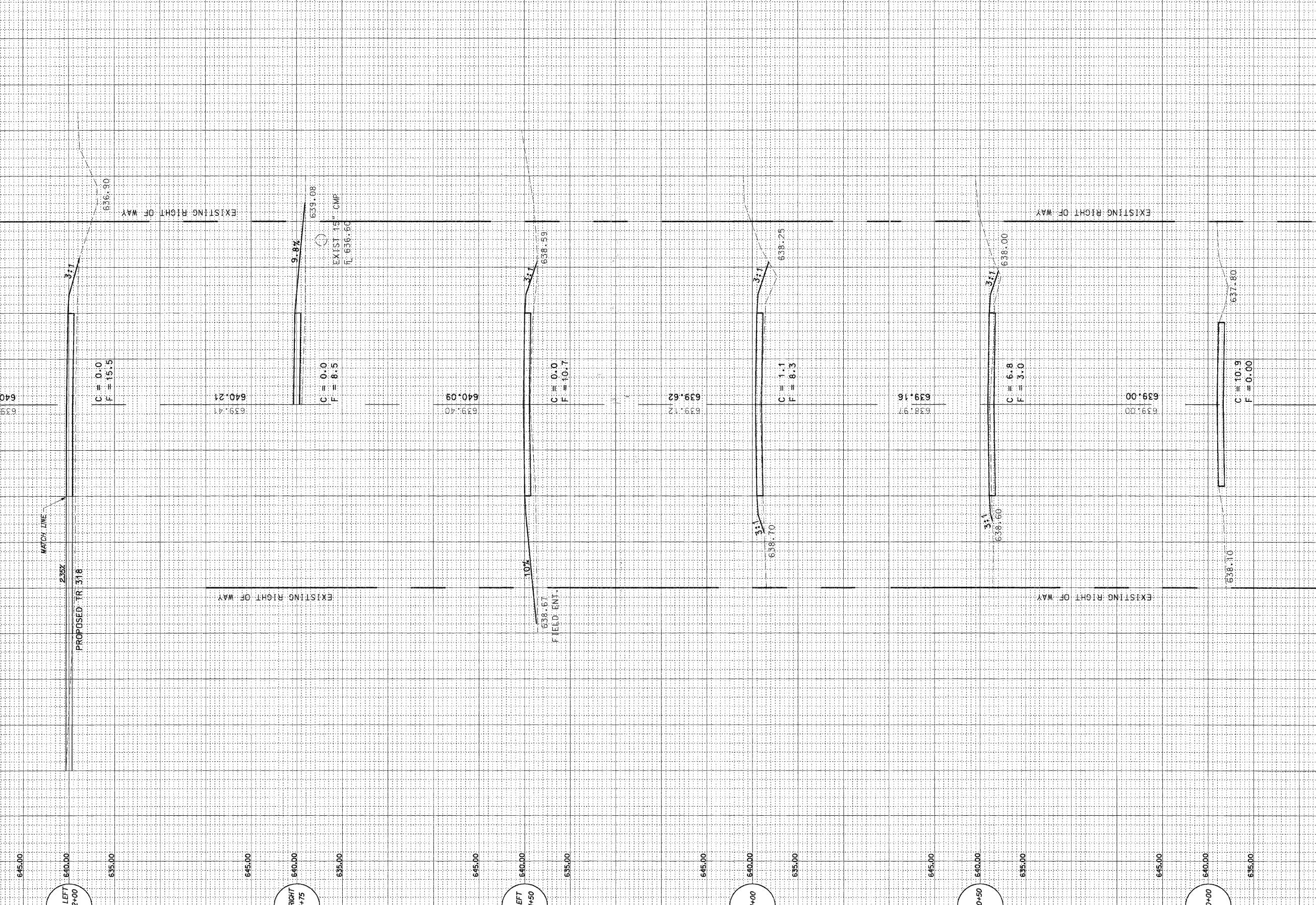
645.00
640.00
635.00
645.00
640.00
635.00
645.00
640.00
635.00
645.00
640.00
635.00
645.00
640.00
635.00
645.00
640.00
635.00
645.00
640.00
635.00

STA 9+00
STA 8+50
STA 8+00
STA 7+50
STA 7+00
STA 6+50

HY 15 15' (0.10) (52/21) (100' SHOT) (200' PROJ)			
L. SHEET NO.	SECTION	COUNTY	TOTAL SHEETS
3	06-0323-00-BR	COLES	13
STA. 0+00		TO STA. 2+00	
MFT		ILLINOIS STATE AID PROJECT	

CONTRACT NO. 95538

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



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

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

PROPOSED TR 318

MATCH LINE

2.35%

3:1

C = 0.0
F = 15.5

EXISTING RIGHT OF WAY

636.90

9.8%

C = 0.0
F = 8.5
EXIST 15" CMP
R. 636.90

639.41
640.21

EXISTING RIGHT OF WAY

10%

638.67
FIELD ENT.

639.40
640.09

C = 0.0
F = 10.7

3:1

638.59

3:1

638.70

639.12
639.62

C = 1.1
F = 8.3

3:1

638.25

638.97
639.16

C = 6.8
F = 3.0

3:1

638.60

3:1

638.00

EXISTING RIGHT OF WAY

EXISTING RIGHT OF WAY

639.00

C = 10.9
F = 0.00

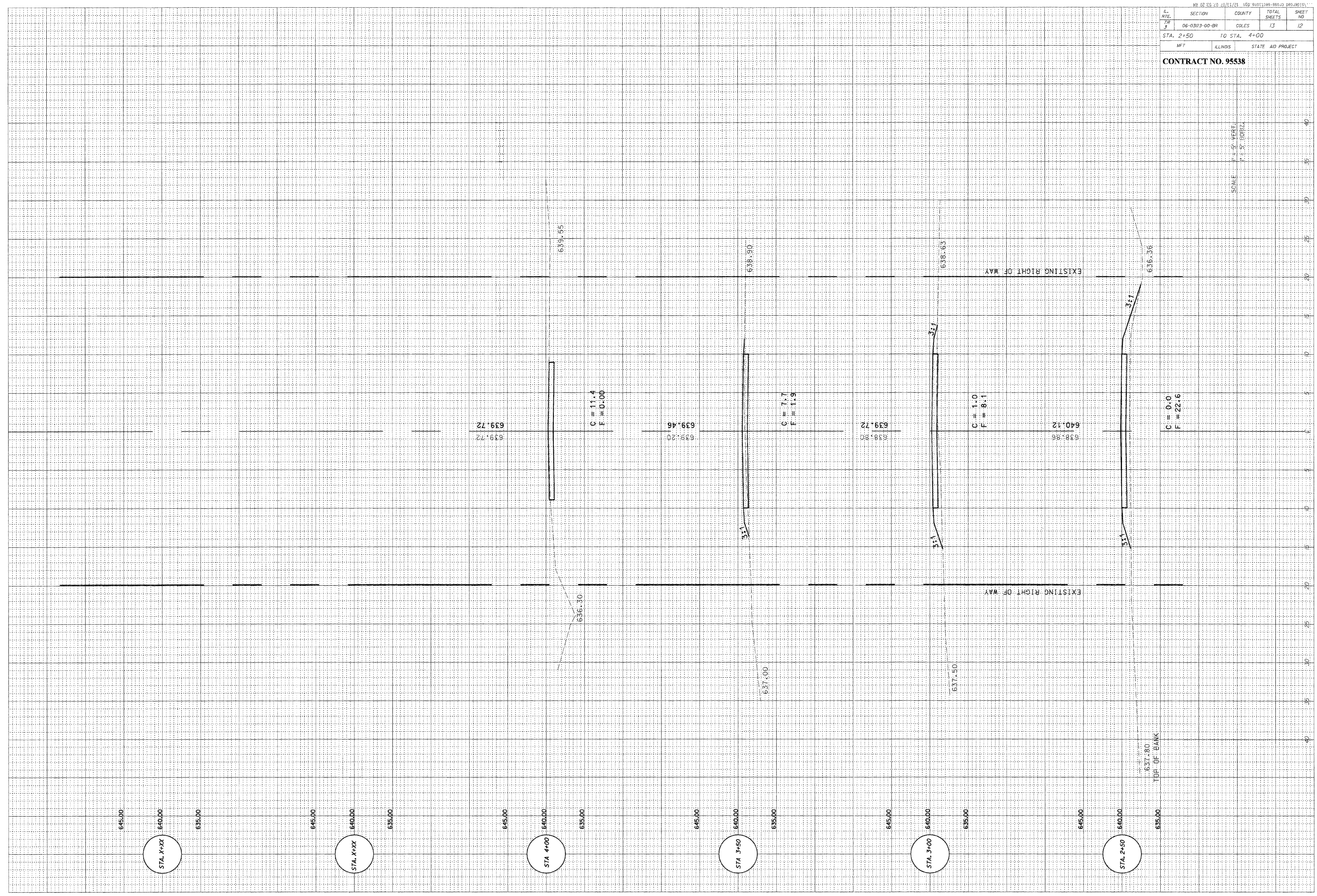
638.10

637.80

MY 02 25 10 10 51 21 UBP 8051285-8863 0804019				
L. R/W	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
17	06-0303-00-BR	COLES	13	12
STA. 2+50		TO STA. 4+00		
MFT	ILLINOIS	STATE AID PROJECT		

CONTRACT NO. 95538

SCALE: 1" = 3' VERT.
1" = 3' HORIZ.



STA. X+XX

STA. X+XX

STA. 4+00

STA. 3+50

STA. 3+00

STA. 2+50

C = 11.4
F = 0.00

C = 7.7
F = 1.9

C = 1.0
F = 8.1

C = 0.0
F = 22.6

EXISTING RIGHT OF WAY

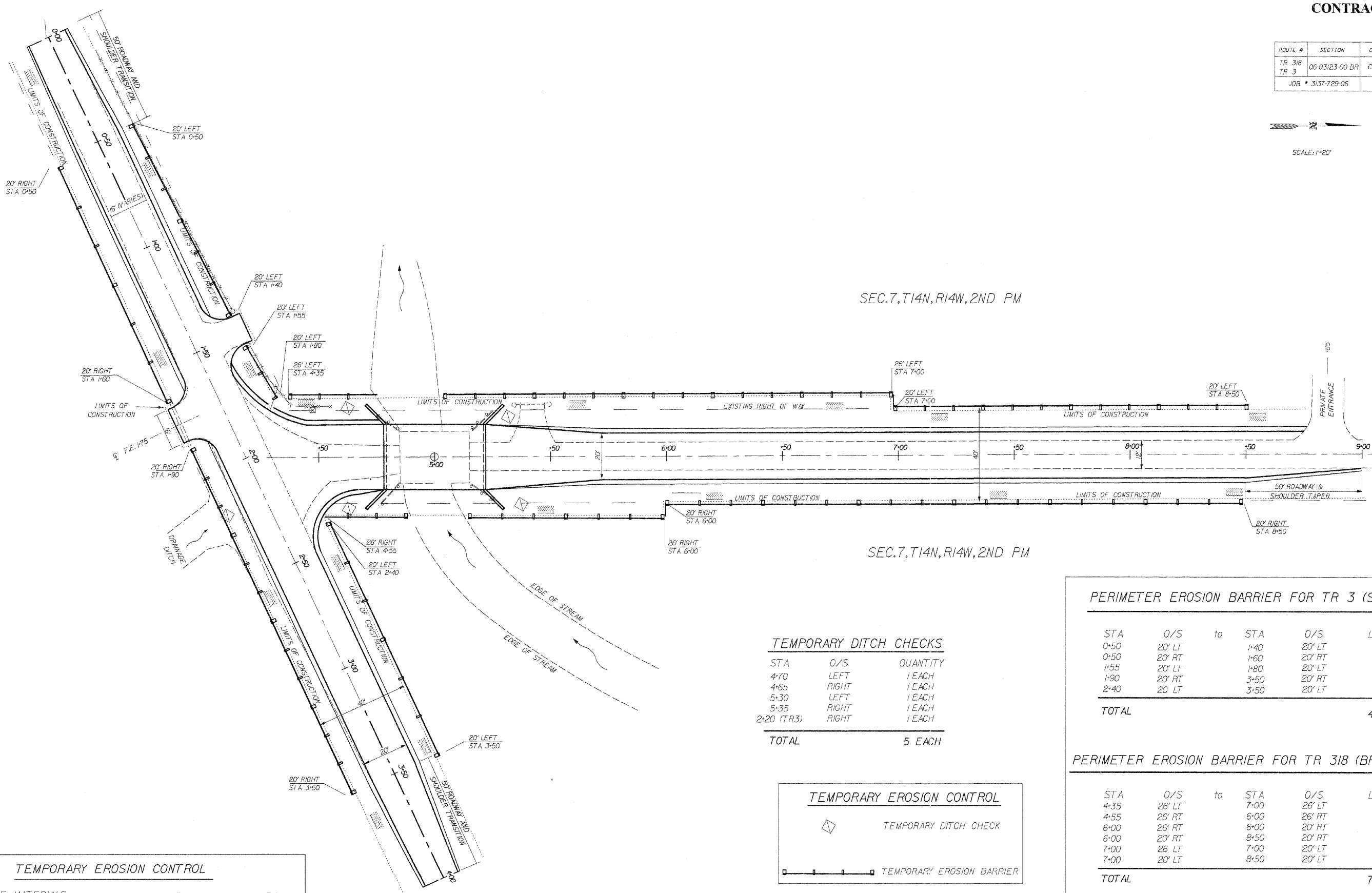
EXISTING RIGHT OF WAY

TOP OF BANK

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

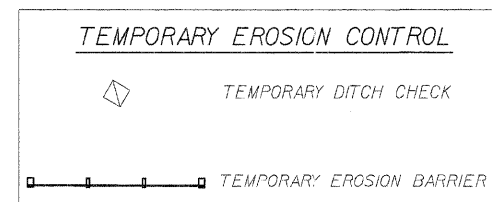


SCALE: 1"=20'



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

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' RT	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		7+00	26' LT	240 FT
4+55	26' RT		6+00	26' RT	120 FT
6+00	26' RT		6+00	20' RT	6 FT
6+00	20' RT		8+50	20' RT	250 FT
7+00	26' LT		7+00	20' LT	6 FT
7+00	20' LT		8+50	20' LT	150 FT
TOTAL					772 FT

GRAND TOTAL EROSION BARRIER = 1267 FEET

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

EROSION CONTROL PLAN TR 318