

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

STP-BR FUNDS
GRUNDY COUNTY
MAINE AND MAZON ROAD DISTRICTS
SECTION 09-10116-00-BR
PROJECT BROS-0063 (113)
JOB NO. C-93-076-14
TR105, SPRING ROAD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	09-10116-00-BR	GRUNDY	41	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 87500		

INDEX OF SHEETS

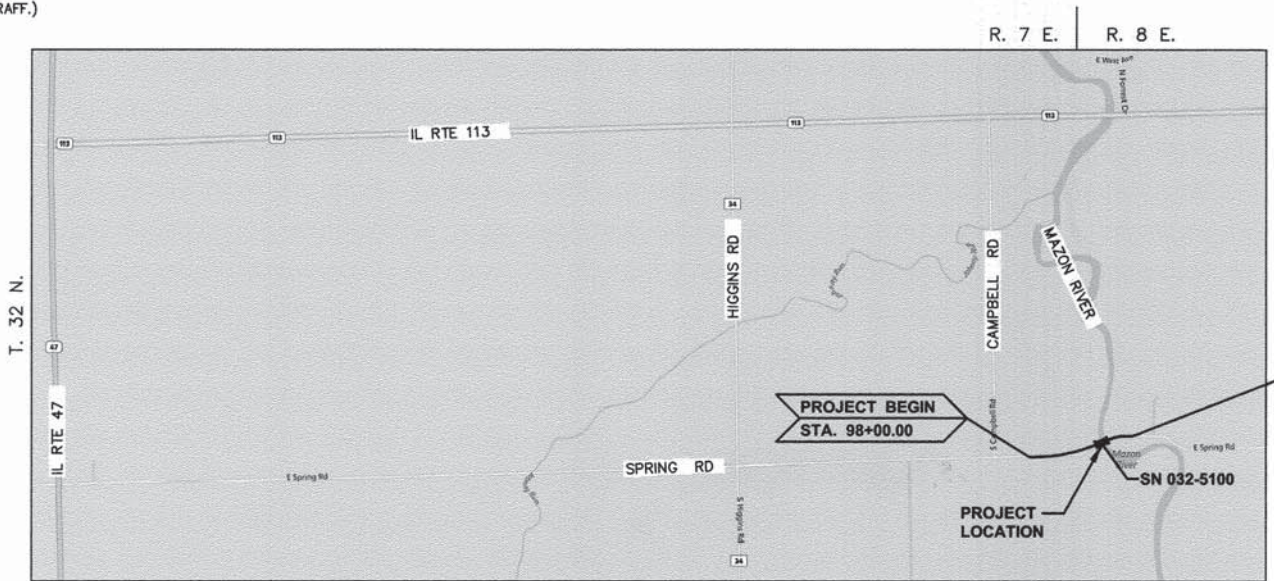
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BENCHMARKS

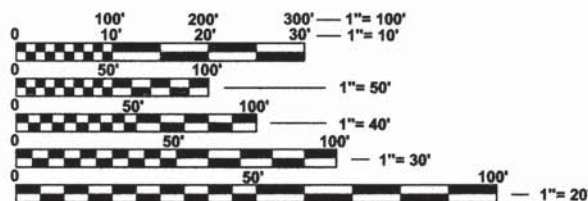
- BENCHMARK "A"**
RAILROAD SPIKE IN POWER POLE AT NORTHWEST CORNER OF SPRING ROAD AND CAMPBELL ROAD
ELEV.=554.48
- BENCHMARK "B"**
RAILROAD SPIKE IN POWER POLE AT SOUTH SIDE OF SPRING ROAD
ELEV.=554.82
- BENCHMARK "C"**
RAILROAD SPIKE IN POWER POLE AT SOUTH SIDE OF SPRING ROAD, WEST SIDE OF BRIDGE
ELEV.=551.26
- BENCHMARK "D"**
RAILROAD SPIKE IN POWER POLE AT NORTH SIDE OF SPRING ROAD, 1ST POLE EAST OF BRIDGE
ELEV.=548.55



LOCATION MAP

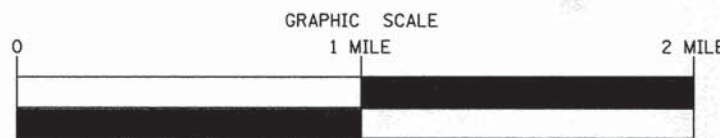
PROJECT END
STA. 114+42

SPRING ROAD
FUNCTION CLASSIFICATION: LOCAL ROAD
ADT= < 250 (2023)
REGULATORY SPEED - 55 MPH
DESIGN SPEED - 30 MPH



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811



NET LENGTH OF SECTION -- 1642' (0.311 MILES)
GROSS LENGTH OF SECTION -- 1642' (0.311 MILES)



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED April 6 2015
Craig J. Cassem
GRUNDY COUNTY ENGINEER

Edmund R. Walker
MAZON TOWNSHIP ROAD COMMISSIONER

JA White
MAINE TOWNSHIP ROAD COMMISSIONER

PASSED 4-15 2015
David R. E.
DISTRICT 3 LOCAL ROADS & STREETS

RELEASED 4-15 2015
Paul A. Gutz
DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER

LIMITED REVIEW

CONTRACT NO. 87500

JAMES K CLINARD
CHAMLIN & ASSOCIATES
815.223.3344

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0004 RURAL	BRIDGE 0014 RURAL
50105220	PIPE CULVERT REMOVAL	FOOT	140	140	--
50200100	STRUCTURE EXCAVATION	CU YD	88	--	88
50300225	CONCRETE STRUCTURES	CU YD	63.3	--	63.3
Δ 50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	4180	--	4180
Δ 50800105	REINFORCEMENT BARS	POUND	4840	--	4840
* 50901050	STEEL RAILING, TYPE SM	FOOT	382	--	382
51500100	NAME PLATES	EACH	1	--	1
542D5473	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	44	44	--
542D5485	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	68	68	--
542D5491	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	154	154	--
54214293	END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	2	2	--
54214305	END SECTIONS, EQUIVALENT ROUND-SIZE 30"	EACH	2	2	--
54214311	END SECTIONS, EQUIVALENT ROUND-SIZE 36"	EACH	4	4	--
61100605	MISCELLANEOUS CONCRETE	CU YD	1	1	--

* SPECIALTY ITEM
 Δ SEE SPECIAL PROVISIONS

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CONTRACT NO. 87500

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CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 01/14				


CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

CONTRACT NO. 87500
PROJECT NO. BROS-0063 (100)
SECTION 09-10116-00-BR
GRUNDY COUNTY

SUMMARY OF QUANTITIES

CONSTRUCTION PLANS

CURRENT AS OF: 04/01/2015	
SCALE: NONE	SHEET 5
FILE NO.: 11894.02 Y-2	OF 41

* EXISTING TREES WILL BE REMOVED BY OTHERS, BUT THE TREE STUMPS WILL REMAIN. REMOVAL OF TREE STUMPS SHALL BE CONSIDERED INCLUDED IN EARTH EXCAVATION.

TREE REMOVAL SCHEDULE *

LOCATION	20100110	20100210
	TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT	TREE REMOVAL (OVER 15 UNITS DIAMETER) UNIT
106+20.9, 19.1' RT		15
106+21.0, 22.9' RT	15	
106+23.4, 23.3' RT	16	
106+28.1, 27.1' RT	15	
106+35.3, 9.7' RT	40	
106+38.0, 22.9' RT	6	
106+42.0, 34.3' LT	40	
106+42.9, 25.8' LT	40	
106+50.7, 46.4' LT	24	
106+62.6, 45.5' RT	6	
106+63.5, 46.2' RT	6	
106+64.2, 28.9' RT	10	
106+78.1, 17.3' RT	6	
106+85.5, 29.5' RT	8	
106+88.4, 31.0' RT	8	
106+97.2, 29.7' RT	6	
107+07.0, 28.4' RT	12	
107+39.7, 51.4' RT	10	
107+63.4, 43.8' RT	6	
108+35.1, 32.9' LT	10	
108+44.6, 33.3' LT	10	
108+45.6, 18.3' LT		24
108+46.2, 24.3' LT	6	
108+48.1, 15.8' LT	8	
108+49.9, 12.0' LT	6	
108+54.9, 22.6' LT		20
108+57.1, 11.3' LT	12	
108+65.4, 9.7' LT	10	
110+02.3, 22.9' LT		32
110+30.3, 26.8' LT		54
110+34.7, 14.6' LT		24
110+40.7, 36.1' LT	10	
110+47.4, 18.3' RT	5	
110+50.6, 33.8' LT	6	
110+50.7, 23.9' LT	12	
110+53.6, 33.8' LT	6	
110+66.3, 26.9' LT		24
110+70.9, 23.6' LT	10	
110+83.0, 25.6' LT	8	
110+84.0, 39.2' LT	15	
110+87.1, 37.0' LT	12	
110+90.4, 20.4' LT	6	
TOTAL	426	196

PAVING AND DRIVEWAY SCHEDULE

LOCATION	35101400	40200600	40300100	40300100	40300500	40300500	40800025	40800050
	AGGREGATE BASE COURSE, TYPE B TON	AGGREGATE SURFACE COURSE, TYPE B TON	BITUMINOUS MATERIALS (PRIME COAT) GALLON	BITUMINOUS MATERIALS (COVER AND SEAL COATS) GALLON	COVER COAT AGGREGATE TON	SEAL COAT AGGREGATE TON	BITUMINOUS MATERIALS (PRIME COAT) POUND	INCIDENTAL HOT-MIX ASPHALT SURFACING TON
STA 98+00 TO STA 108+77.44	1629.2	--	894.1	2412.8	55.8	27.9	--	--
STA 110+38.35 TO STA 114+42	609.0	--	334.2	901.8	20.8	10.4	--	--
RT STA 104+66.40	--	85.7	--	--	--	--	--	--
RT STA 105+95.53	--	117.0	--	--	--	--	--	--
LT STA 108+07.07	23.3	--	19.2	--	--	115.0	8.6	--
LT STA 113+85.56	12.4	--	10.2	--	--	61.3	4.6	--
TOTAL	2274	203	1268	3316	77	38	176	13

EROSION CONTROL SCHEDULE

LOCATION	28000305	28000400	28000500	28100107	28200200
	TEMPORARY DITCH CHECKS FOOT	PERIMETER EROSION BARRIER FOOT	INLET AND PIPE PROTECTION EACH	STONE RIPRAP, CLASS A4 SQ YD	FILTER FABRIC SQ YD
LT & RT STA 98+00	16	--	--	--	--
LT & RT STA 100+00	16	--	--	--	--
LT & RT STA 102+00	16	--	--	--	--
LT STA 104+27	8	--	--	--	--
RT STA 104+27	--	--	1	--	--
RT STA 105+50	--	--	1	--	--
LT STA 107+00	--	--	1	--	--
RT STA 107+15	20	--	--	59	59
LT STA 108+35	--	--	1	--	--
25' RT STA 110+25 TO 25' RT STA 113+00	--	267	--	--	--
33' LT STA 110+25 TO 33' LT STA 113+75	--	363	--	--	--
TOTAL	76	630	4	59	59

EARTHWORK SCHEDULE *

LOCATION	20200100	20201200		EMBANKMENT CU. YD.	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) CU. YD.
	EARTH EXCAVATION CU. YD.	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE* CU. YD.	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL CU. YD.		
STA 97+50 TO STA 108+77.02	4297	3222.8	639	1723	1499.8
STA 110+36.77 TO STA 114+00	124	93.0	118	277	-184.0
TOTAL	4421	3316	757	2000	1316

* 25% SHRINKAGE FACTOR FOR INFORMATION ONLY

SEEDING SCHEDULE

LOCATION	25000200	25000400	25000500	25000600	25100115	25100630	28000250
	SEEDING, CLASS 2 ACRE	NITROGEN FERTILIZER NUTRIENT POUND	PHOSPHORUS FERTILIZER NUTRIENT POUND	POTASSIUM FERTILIZER NUTRIENT POUND	MULCH, METHOD 2 ACRE	EROSION CONTROL BLANKET SQ YD	TEMPORARY EROSION CONTROL SEEDING POUND
MAINLINE							
98+00 TO 108+77.02, LT	0.60	53.61	53.61	53.61	0.60	36.36	119.13
98+00 TO 108+77.02, RT	0.89	80.11	80.11	80.11	0.89	77.52	178.02
110+38.77 TO 114+42, LT	0.06	5.41	5.41	5.41	0.06	--	12.02
110+38.77 TO 114+42, RT	0.04	3.88	3.88	3.88	0.04	--	8.62
TOTAL	1.50	143	143	143	1.50	114	318

CULVERT SCHEDULE

LOCATION	542D5473	542D5485	542D5491	54214293	54214305	54214311	20800150
	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT- ROUND SIZE 18" FOOT	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT- ROUND SIZE 30" FOOT	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT- ROUND SIZE 36" FOOT	END SECTIONS EQUIVALENT- ROUND SIZE 18" EACH	END SECTIONS EQUIVALENT- ROUND SIZE 30" EACH	END SECTIONS EQUIVALENT- ROUND SIZE 36" EACH	TRENCH BACKFILL CU YD
RT STA 104+27 TO RT STA 105+08	--	--	76	--	--	2	27.8
RT STA 105+60 TO RT STA 106+35	--	--	78	--	--	2	26.4
LT STA 107+00 TO RT STA 107+00	--	68	--	--	2	--	21.3
LT STA 107+88 TO LT STA 108+35	44	--	--	2	--	--	2
TOTAL	44	68	154	2	2	4	80

STORM SEWER SCHEDULE

LOCATION	61139900	61140000	6110605	61133100	21301060
	STORM SEWERS (SPECIAL), 6" FOOT	STORM SEWERS (SPECIAL), 8" FOOT	MISCELLANEOUS CONCRETE CU YD	FIELD TILE JUNCTION VAULT, 2' DIA EACH	EXPLORATION TRENCH 60" DEPTH FOOT
AS DIRECTED BY THE ENGINEER	100	100	1	2	50
TOTAL	100	100	1	2	50

PIPE CULVERT REMOVAL SCHEDULE

LOCATION	CULVERT SIZE	50100220
		PIPE CULVERT REMOVAL FEET
RT STA 103+32	21"	49
RT STA 103+65	EQR 42"	37
RT STA 106+87	36"	54
TOTAL		140

GUARDRAIL SCHEDULE

LOCATION	63100087	63100167
	TRAFFIC BARRIER TERMINAL, TYPE 6A EACH	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT EACH
RT STA 107+83.69 TO RT STA 108+33.69	--	2
RT STA 108+33.69 TO RT STA 108+77.44	1	--
LT STA 110+68.35 TO LT STA 111+12.10	1	--
LT STA 111+12.10 TO LT STA 111+61.10	--	2
TOTAL	2	4

GUARDRAIL & BARRIER MARKER SCHEDULE

LOCATION	78200410	78201000
	GUARDRAIL MARKERS, TYPE A EACH	TERMINAL MARKER - DIRECT APPLIED EACH
RT STA 107+83.69 TO RT STA 110+68.35	4	2
LT STA 108+77.44 TO LT STA 111+61.10	4	2
TOTAL	8	4

TEMPORARY FENCE

LOCATION	20101000
	TEMPORARY FENCE SQ YD
25' RT STA 110+25 TO 25' RT STA 111+50	125
TOTAL	125

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CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 01/14				

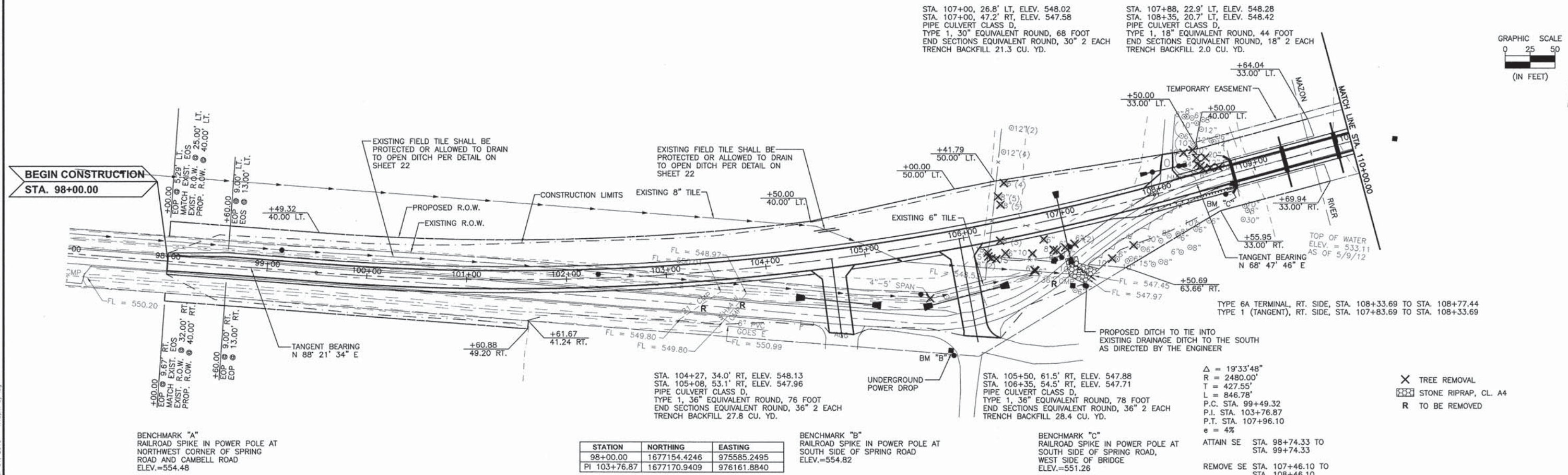
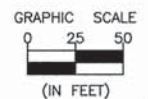
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PERU MORRIS ILLINOIS

CONTRACT NO. 87500
PROJECT NO. BROS-0063 (100)
SECTION 09-10116-00-BR
GRUNDY COUNTY

SCHEDULE OF QUANTITIES

CONSTRUCTION PLANS
CURRENT AS OF: 04/01/2015
SCALE: NONE SHEET 8
FILE NO.: 11894.02 Y-2 OF 41

CONTRACT NO. 87500



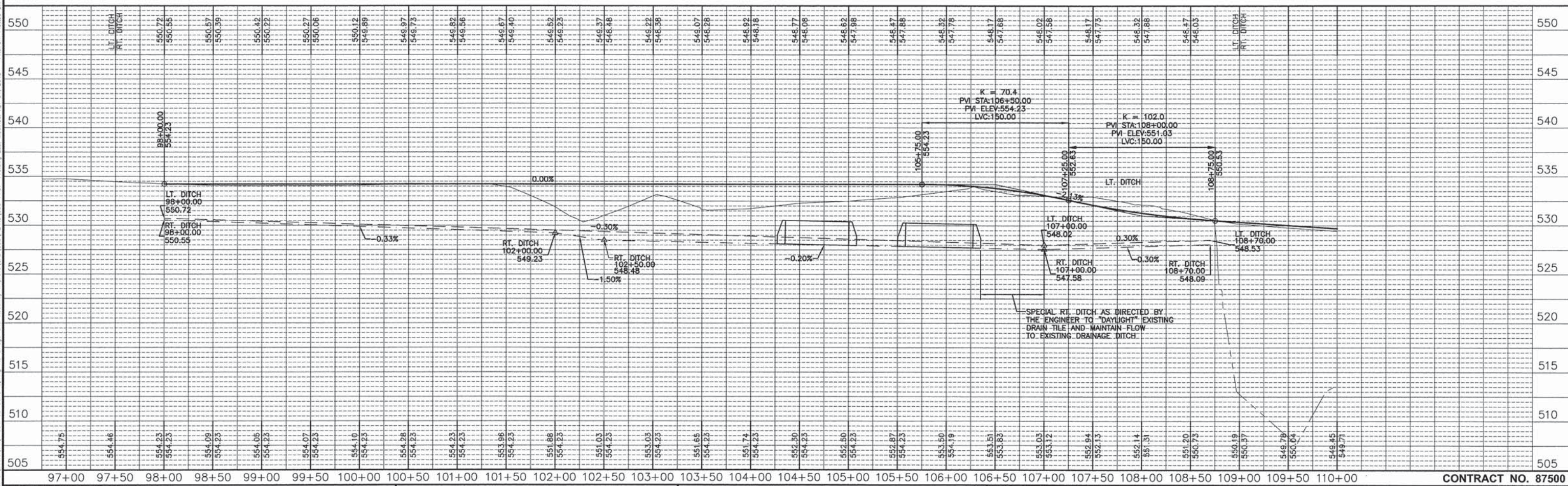
BENCHMARK "A"
RAILROAD SPIKE IN POWER POLE AT
NORTHWEST CORNER OF SPRING
ROAD AND CAMBELL ROAD
ELEV.=554.48

STATION	NORTHING	EASTING
98+00.00	1677154.4246	975585.2495
PI 103+76.87	1677170.9409	976161.8840

BENCHMARK "B"
RAILROAD SPIKE IN POWER POLE AT
SOUTH SIDE OF SPRING ROAD
ELEV.=554.82

BENCHMARK "C"
RAILROAD SPIKE IN POWER POLE AT
SOUTH SIDE OF SPRING ROAD,
WEST SIDE OF BRIDGE
ELEV.=551.26

- Δ = 19'33"48"
- R = 2480.00'
- T = 427.55'
- L = 846.78'
- P.C. STA. 99+49.32
- P.I. STA. 103+76.87
- P.T. STA. 107+96.10
- e = 4%
- ATTAIN SE STA. 98+74.33 TO STA. 99+74.33
- REMOVE SE STA. 107+46.10 TO STA. 108+46.10
- ×
 TREE REMOVAL
- ▣
 STONE RIPRAP, CL. A4
- R
 TO BE REMOVED



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DATE: 01/14					

CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

CONTRACT NO. 87500
PROJECT NO. BROS-0063 (100)
SECTION 09-10116-00-BR
GRUNDY COUNTY

PLAN AND PROFILE

CONSTRUCTION PLANS
CURRENT AS OF: 04/01/2015
SCALE: AS NOTED SHEET 9
FILE NO.: 11894.02 Y-2 OF 41

Benchmarks:

- RR spike in power pole south side of Spring Road at west end of bridge Elev. = 551.26
- RR spike in power pole north side of Spring Road first pole east of bridge Elev. = 548.55

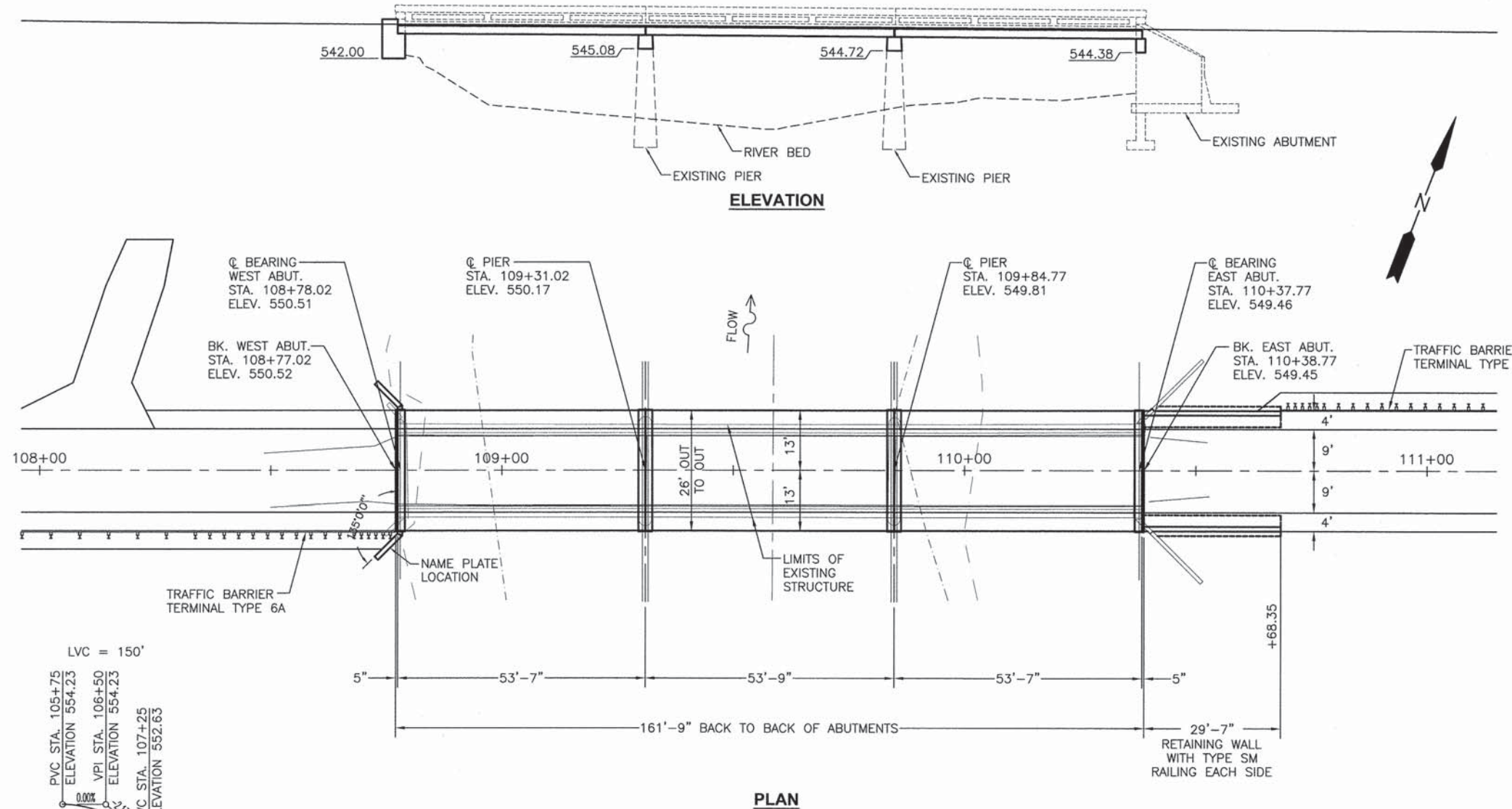
Existing Structure: S.N. 032-5100, built in 1910. The existing structure consists of 3 continuous spans at 54'-0". 162' back to back of abutments and 20'-4" out to out of deck, on solid piles, on solid west abutment and on closed east abutment. Superstructure is two cast-in-place concrete through girders supporting transverse concrete beams and floor slab. Superstructure and west abutment to be removed and replaced. Piers and east abutment to be reused.

INDEX OF SHEETS

- 11 General Plan & Elevation
- 12 Superstructure Details & Total Bill of Materials
- 13-16 PCC Deck Beam Details
- 17 Type SM Railing Details
- 18 West Abutment Details
- 19 East Abutment Details
- 20 Pier 1 & Pier 2 Details
- 21 Retaining Wall Details

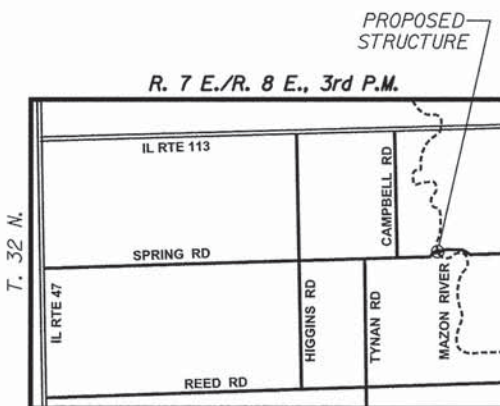
NOTE

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.



MAZON RIVER
RE-BUILT BY
GRUNDY COUNTY
SEC. 09-10116-00-BR
STA. 109+57.90
STR NO. 032-5100
LOADING HL93

NAME PLATE
See Std. 515001



LOCATION MAP

GENERAL PLAN & ELEVATION
SPRING ROAD
OVER MAZON RIVER
SECTION 09-10116-00-BR
GRUNDY COUNTY
STATION 109+57.90
STRUCTURE NO. 032-5100

DESIGN STRESSES

PRECAST UNITS

- f'c = 6,000 psi
- f'ci = 5,000 psi
- f's = 270,000 psi (1/2" Dia. Low Lax Strand)
- f'si = 201,900 psi (1/2" Dia. Low Lax Strand)
- fy = 65,000 psi (Welded Wire Fabric)
- fy = 60,000 psi (Reinf.)

FIELD UNITS

- f'c = 3,500 psi
- fy = 60,000 psi (Reinforcement)
- fy = 50,000 psi (M270 Grade 50)

SEISMIC DATA

- Seismic Performance Zone (SPZ) = 1
- Design Spectral Acceleration at 1.0 sec. (S_{dl}) = 0.073g
- Design Spectral Acceleration at 0.2 sec. (S_{ds}) = 0.132g
- Soil Site Class = C

LOADING HL-93

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

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications & 2015 Interims



I certify that to the best of 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 LRFD bridge design specifications.

CONTRACT NO. 87500

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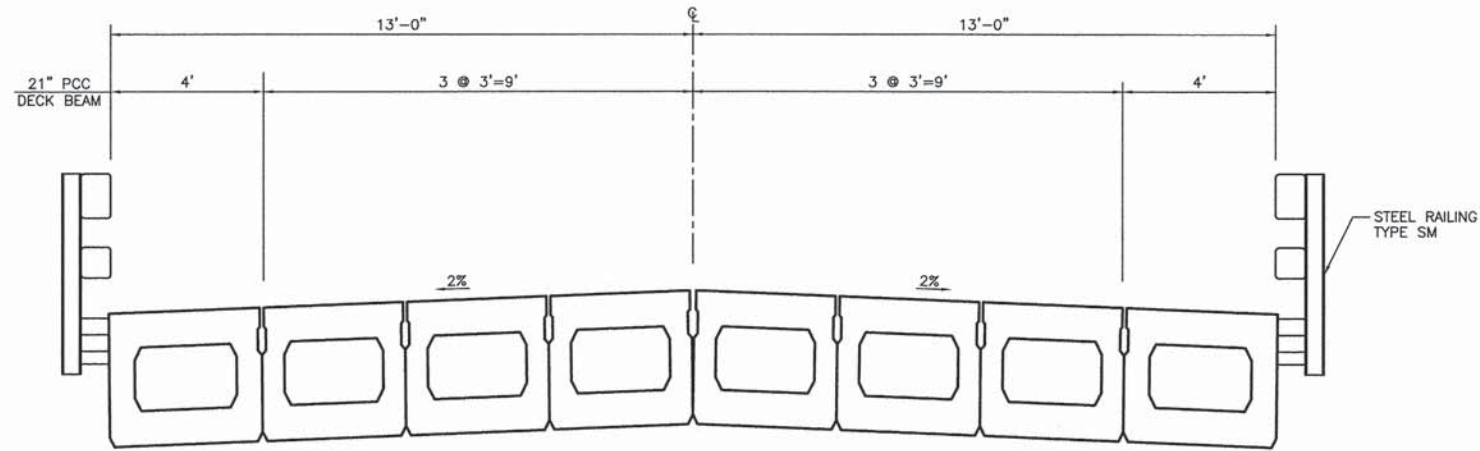
LEVEL	BY	DATE	REVISIONS	DESCRIPTION

CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

CONTRACT NO. 87500
PROJECT NO. BROS-0063 (100)
SECTION 09-10116-00-BR
GRUNDY COUNTY

GENERAL PLAN & ELEVATION

CONSTRUCTION PLANS	CURRENT AS OF: 04/01/2015	
	SCALE: 1"=15'	SHEET 11
	FILE NO.: 11894.02 Y-2	OF 41

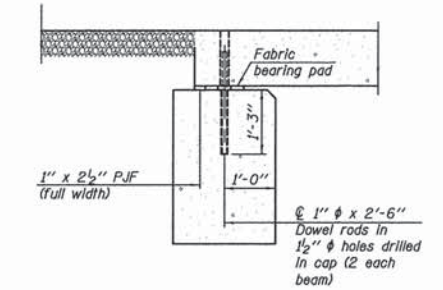


PROPOSED BRIDGE SECTION

STA. 108+77.44 TO STA. 110+38.35
N.T.S.

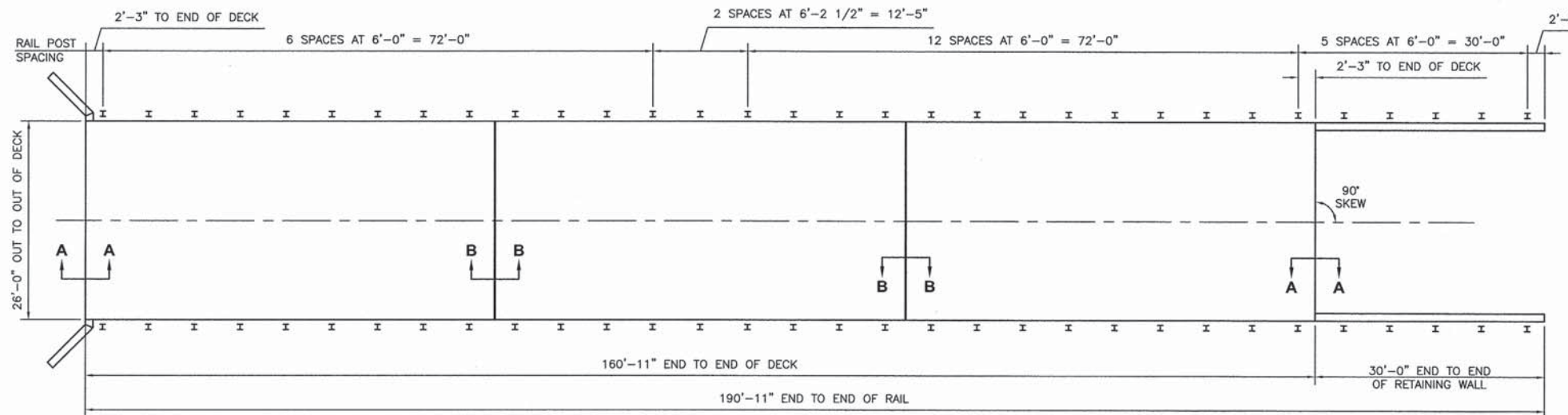
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
REMOVAL OF EXISTING SUPERSTRUCTURE	EACH	1
CONCRETE REMOVAL	CU YD	34.1
STRUCTURE EXCAVATION	CU YD	88
CONCRETE STRUCTURES	CU YD	63.3
PRECAST PRESTRESSED CONCRETE DECK BEAM (21" DEPTH)	SQ FT	4180
REINFORCEMENT BARS	POUND	4840
STEEL RAILING, TYPE SM	FOOT	382
NAME PLATES	EACH	1
POROUS GRANULAR EMBANKMENT	CU YD	46

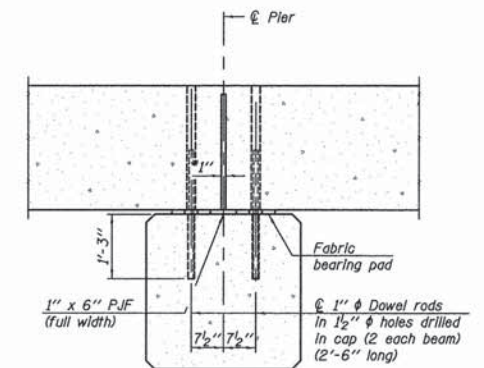


SECTION A-A

See sheets 14 & 16 of 41 for fabric bearing pad details.



PLAN



SECTION B-B

See sheets 14 & 16 of 41 for fabric bearing pad details.

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Drawing Name: G:\Users\A111894\111894-02-CRHD-Spring-Rd-Bridge-and-Resurfacing-Improvements\012-TYPICALS.dwg Last Modified: Apr 01, 2015 - 4:36pm Plotted on: Apr 01, 2015 - 4:36pm by log

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CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 01/14				

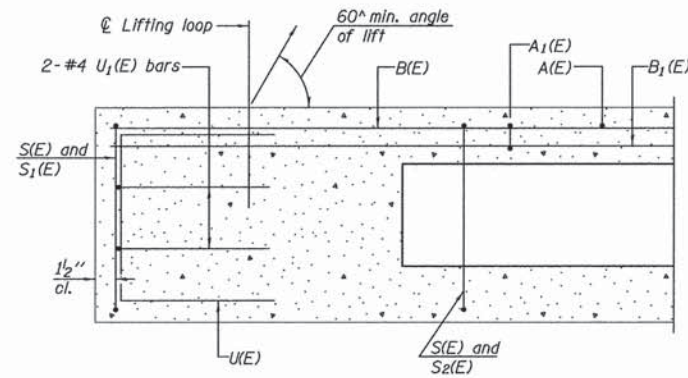
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

CONTRACT NO. 87500
PROJECT NO. BROS-0063 (100)
SECTION 09-10116-00-BR
GRUNDY COUNTY

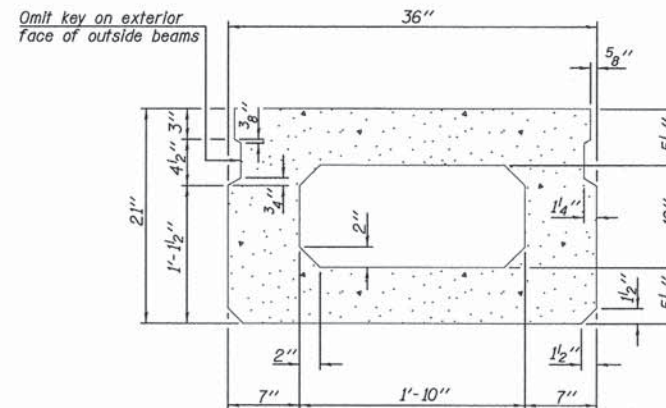
SUPERSTRUCTURE DETAILS & TOTAL BILL OF MATERIALS

CONSTRUCTION PLANS

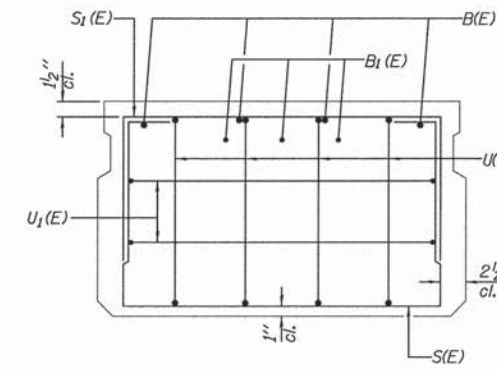
CONTRACT NO. 87500	
CURRENT AS OF: 04/01/2015	
SCALE: NONE	SHEET 12
FILE NO.: 11894.02 Y-2	OF 41



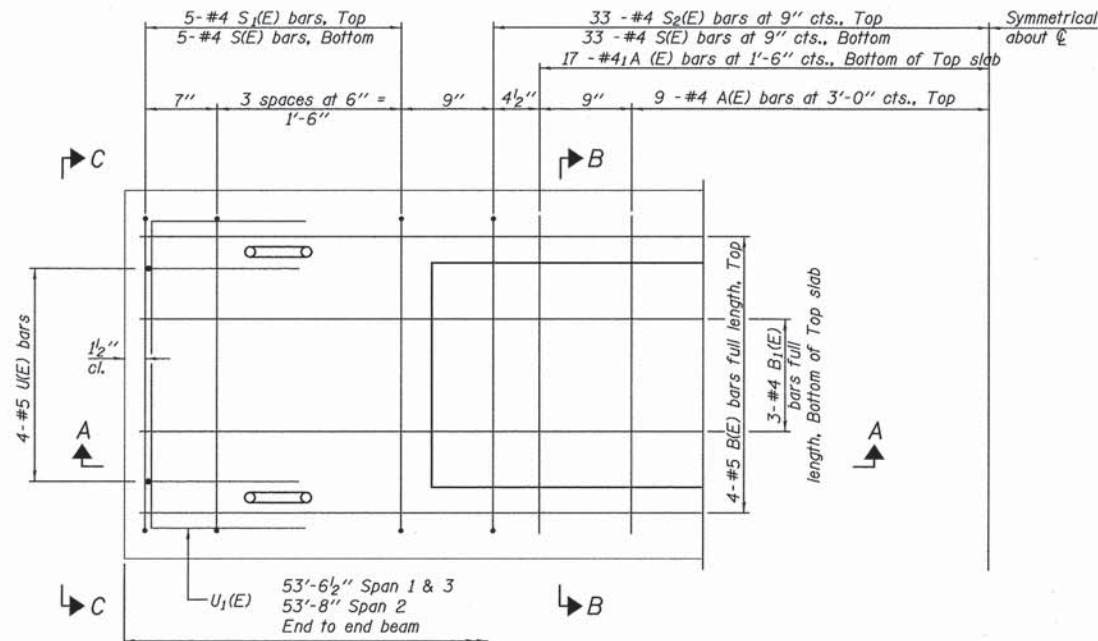
SECTION A-A



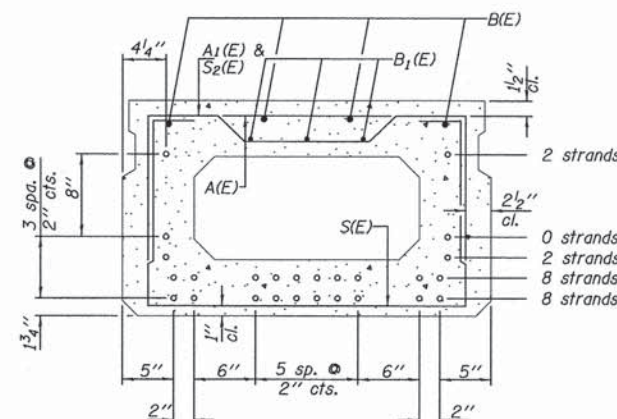
SECTION B-B
(Showing dimensions)



VIEW C-C



PLAN VIEW



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

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

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	17	#4	2'-7"	—
A1(E)	33	#4	2'-10"	—
B(E)	8	#5	28'-0"	—
B1(E)	6	#4	27'-9"	—
S(E)	75	#4	6'-5"	□
S1(E)	10	#4	4'-11"	□
S2(E)	65	#4	5'-2"	□
U(E)	8	#5	4'-0"	□
U1(E)	4	#4	5'-0"	□

Note: See sheet 14 of 41 for additional details and Bill of Material.

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

MINIMUM BAR LAP
#4 bar = 2'-0"
#5 bar = 2'-6"

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Drawing Name: C:\Users\j111894\OneDrive - Chamlin & Associates, Inc.\Projects\2013\09-10116-00-GRUNDY\09-10116-00-GRUNDY-02-CCHD-Spring-Rd-Bridge-and-Roadway-Improvements\CAD\CAD\BRIDGE\013-DECK-BEAM-BET.dwg, Last Modified: Apr 01, 2015 - 4:40pm by j111894

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	LEVEL	BY	DATE	DESCRIPTION
CHECKED BY: JKC				
DATE: 01/14				

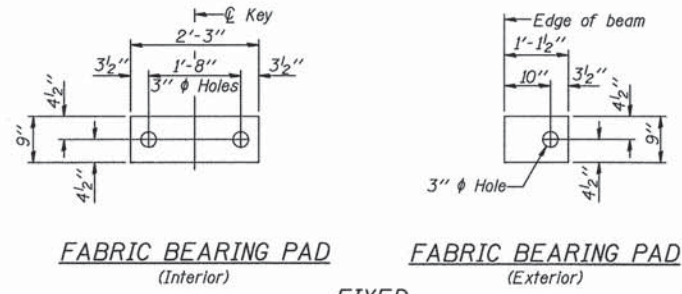
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

CONTRACT NO. 87500
PROJECT NO. BROS-0063 (100)
SECTION 09-10116-00-BR
GRUNDY COUNTY

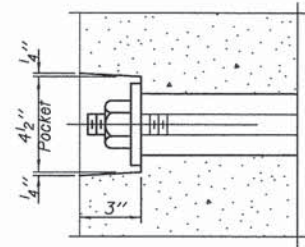
21" X 36" PCC DECK BEAM

CONSTRUCTION PLANS

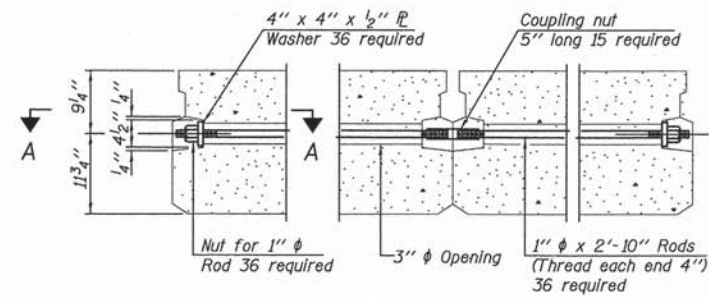
CONTRACT NO. 87500	
CURRENT AS OF: 04/01/2015	
SCALE: 1"=15'	SHEET 13
FILE NO.: 11894.02 Y-2	OF 41



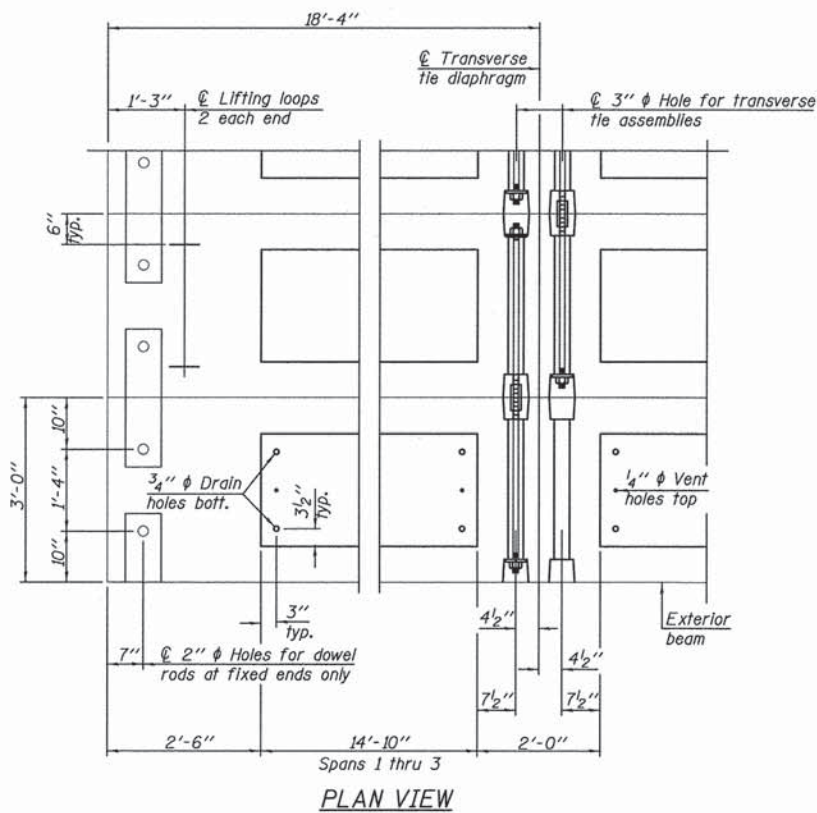
Notes:
 All bearing pads shall be 1" thick.
 Omit holes when using expansion bearings.
 Expansion bearing pad shall be bonded to the substructure.



SECTION A-A

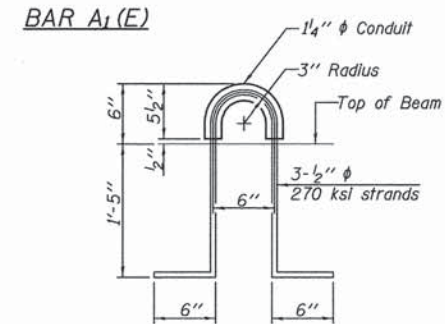
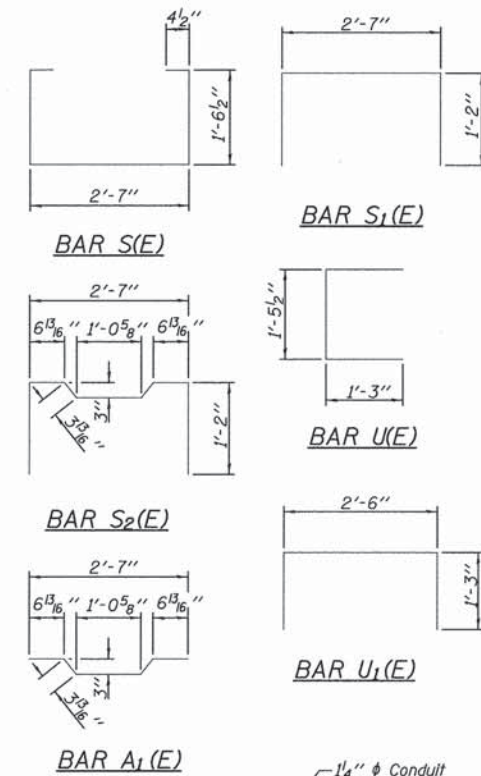


TYPICAL TRANSVERSE TIE ASSEMBLY



PLAN VIEW

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



LIFTING LOOP DETAIL

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	2894
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NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" diameter rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place. Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions). Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f'c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'cl, shall be 5000 psi.

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CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 01/14				

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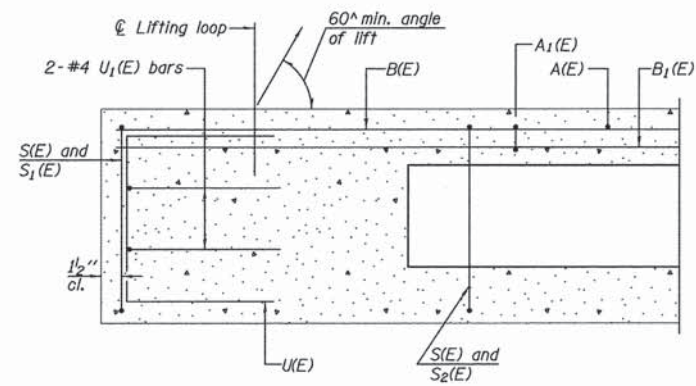
CONTRACT NO. 87500
 PROJECT NO. BROS-0063 (100)
 SECTION 09-10116-00-BR
 GRUNDY COUNTY

21" X 36" PCC DECK BEAM DETAILS

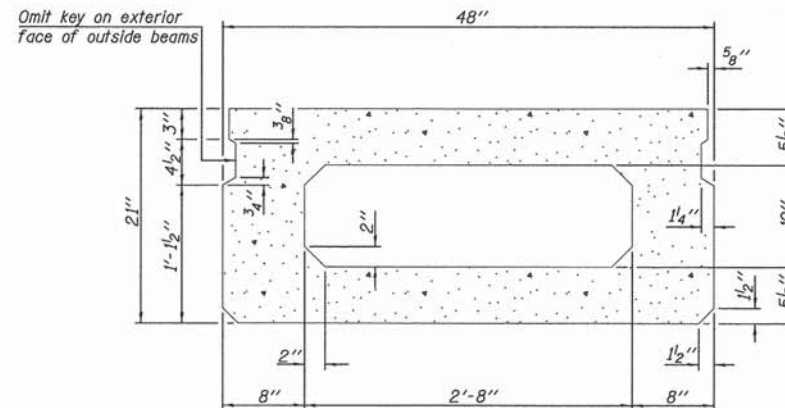
CONSTRUCTION PLANS

CURRENT AS OF: 04/01/2015	
SCALE: 1"=15'	SHEET 14
FILE NO.: 11894.02 Y-2	OF 41

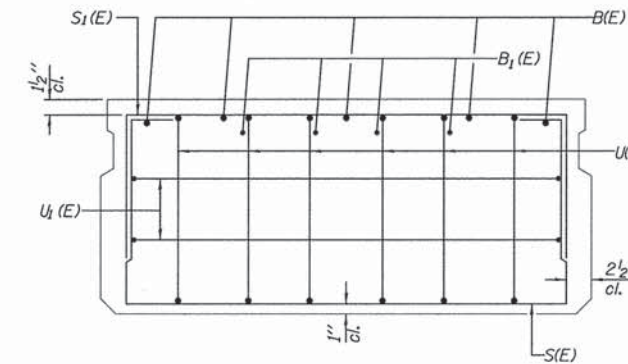
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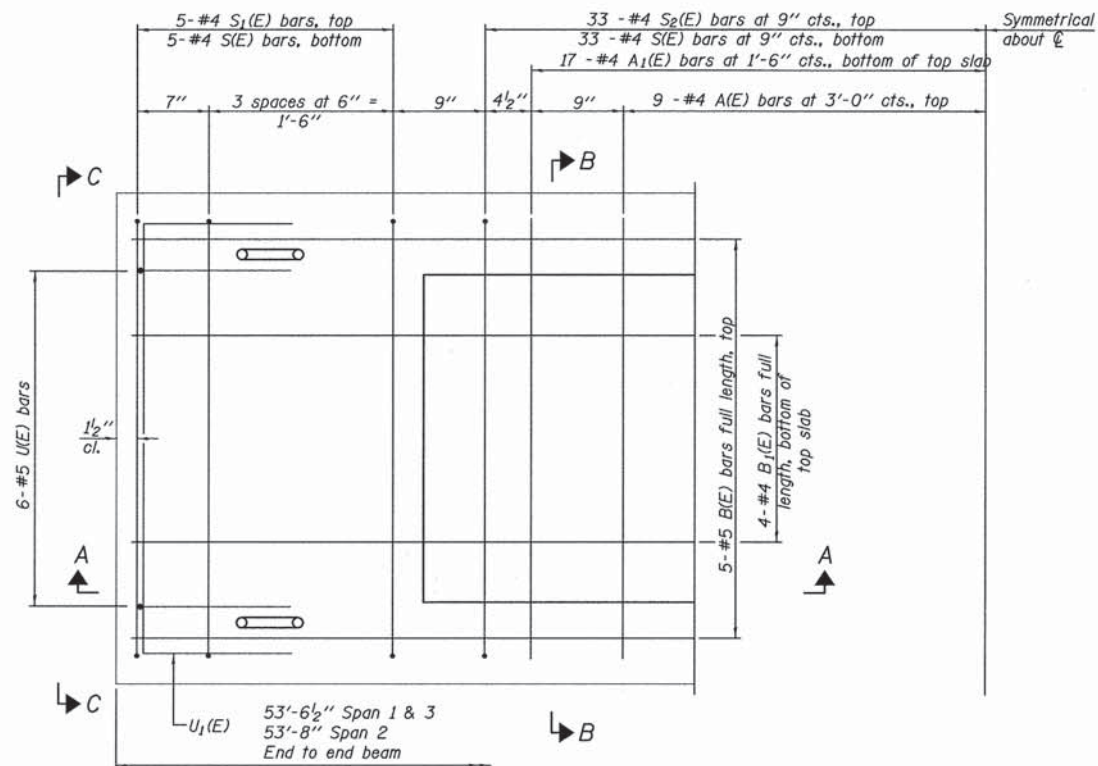
SECTION A-A



SECTION B-B
(Showing dimensions)

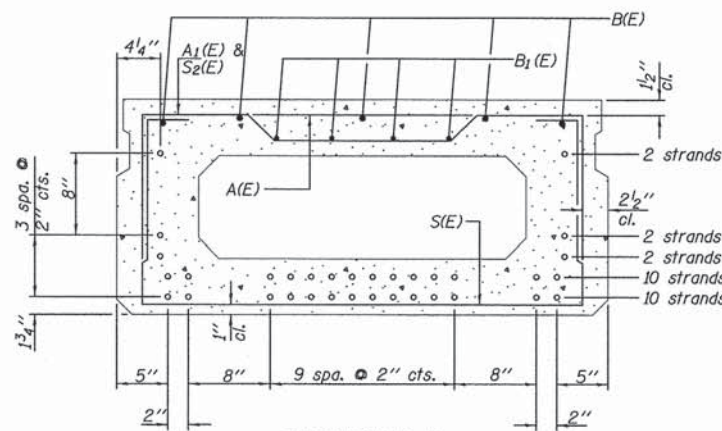


VIEW C-C



PLAN VIEW

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



SECTION B-B

(Showing reinforcement and permissible strand locations)

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

MINIMUM BAR LAP

#4 bar = 2'-0"
#5 bar = 2'-6"

BAR LIST
ONE BEAM ONLY
(For Information Only)

Bar	No.	Size	Length	Shape
A(E)	17	#4	3'-7"	—
A1(E)	33	#4	3'-10"	—
B(E)	10	#5	28'-10"	—
B1(E)	8	#4	27'-9"	—
S(E)	75	#4	7'-5"	□
S1(E)	10	#4	5'-11"	□
S2(E)	65	#4	6'-2"	□
U(E)	12	#5	4'-0"	□
U1(E)	4	#4	6'-0"	□

Note: See sheet 16 of 41 for additional details and Bill of Material.

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	LEVEL	BY	DATE	DESCRIPTION
CHECKED BY: JKC				
DATE: 01/14				

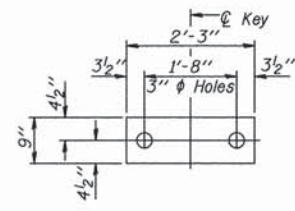
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

CONTRACT NO. 87500
PROJECT NO. BROS-0063 (100)
SECTION 09-10116-00-BR
GRUNDY COUNTY

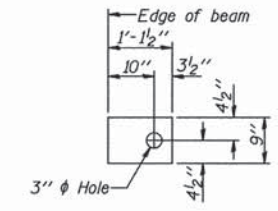
21" X 48" PCC DECK BEAM

CONSTRUCTION PLANS

CURRENT AS OF: 04/01/2015	
SCALE: 1"=15'	SHEET 15
FILE NO.: 11894.02 Y-2	OF 41



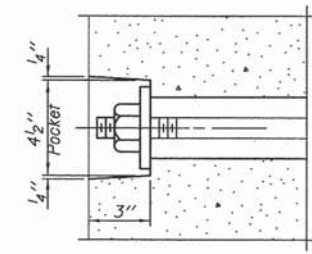
FABRIC BEARING PAD
(Interior)



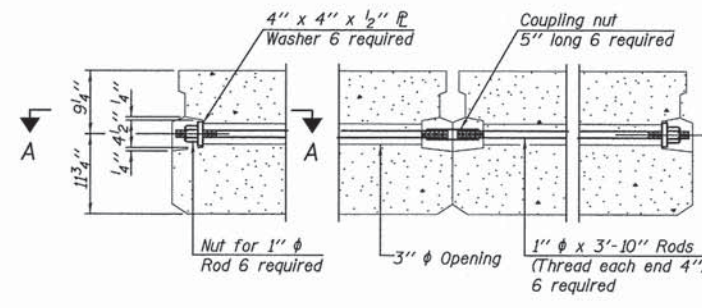
FABRIC BEARING PAD
(Exterior)

FIXED

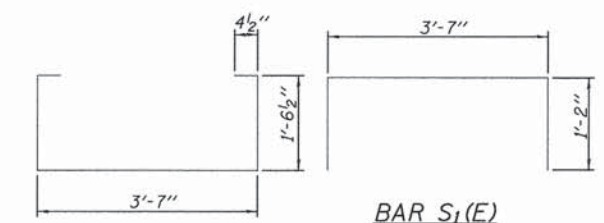
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.



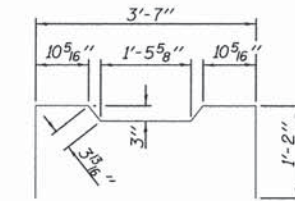
SECTION A-A



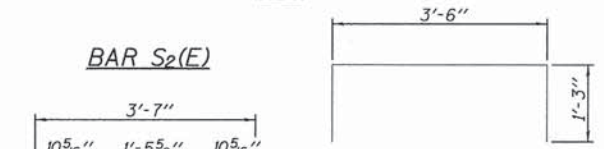
TYPICAL TRANSVERSE TIE ASSEMBLY



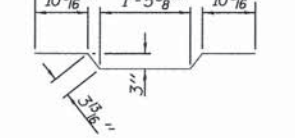
BAR S(E)



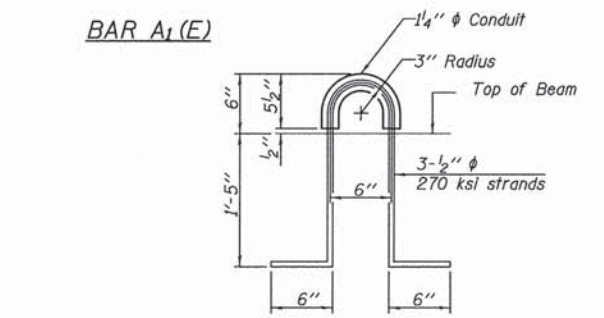
BAR U(E)



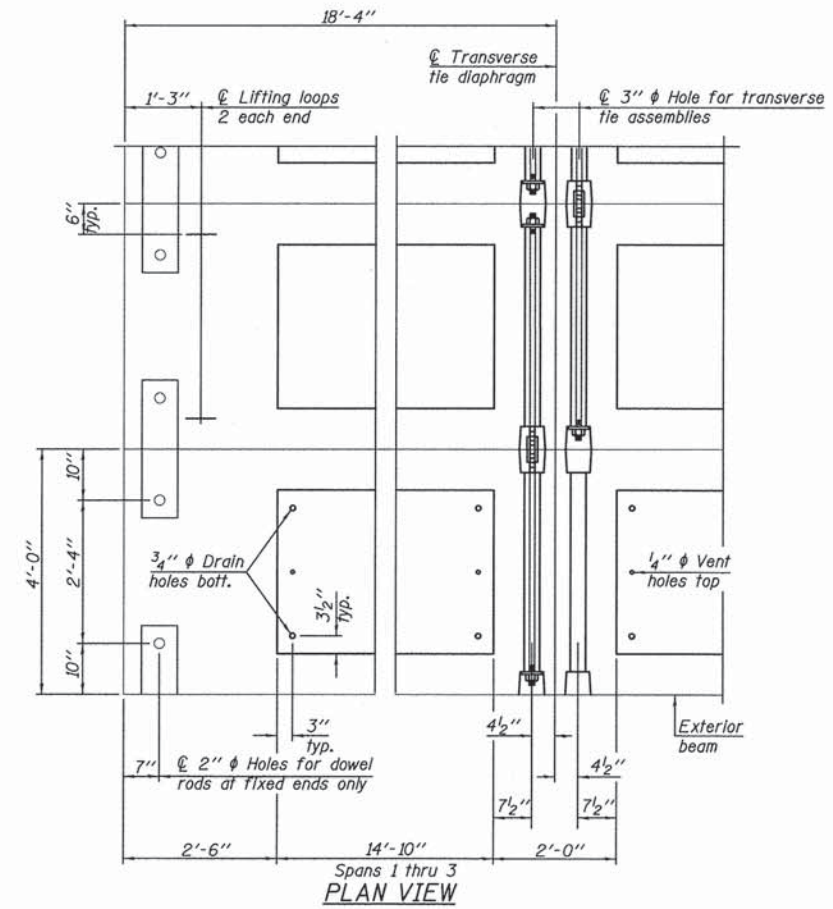
BAR S2(E)



BAR U1(E)



LIFTING LOOP DETAIL



PLAN VIEW

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

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.
The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.
Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).
Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
A minimum 2 1/2" lifting pin shall be used to engage the lifting loops during handling.
Corrosion inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	1286
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Drawing Name: G:\Users\A111894\111894-02-GCHD-Springs-Rd-Bridges-and-Roadway-Improvements\BRODGE\013-DCO-BEAM-BET.dwg Last Modified: Apr. 01, 2015 - 4:39pm Plotted on: Apr. 01, 2015 - 4:42pm by log

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DATE: 01/14				

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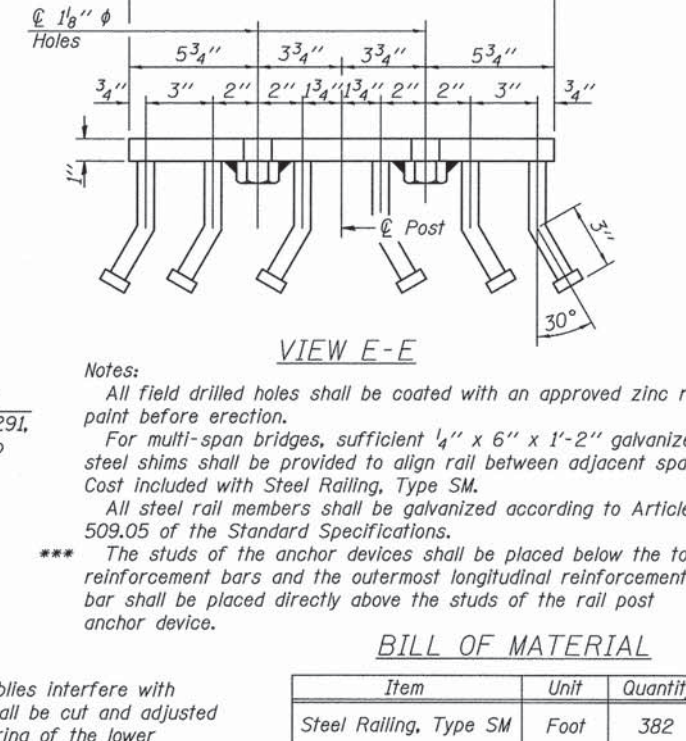
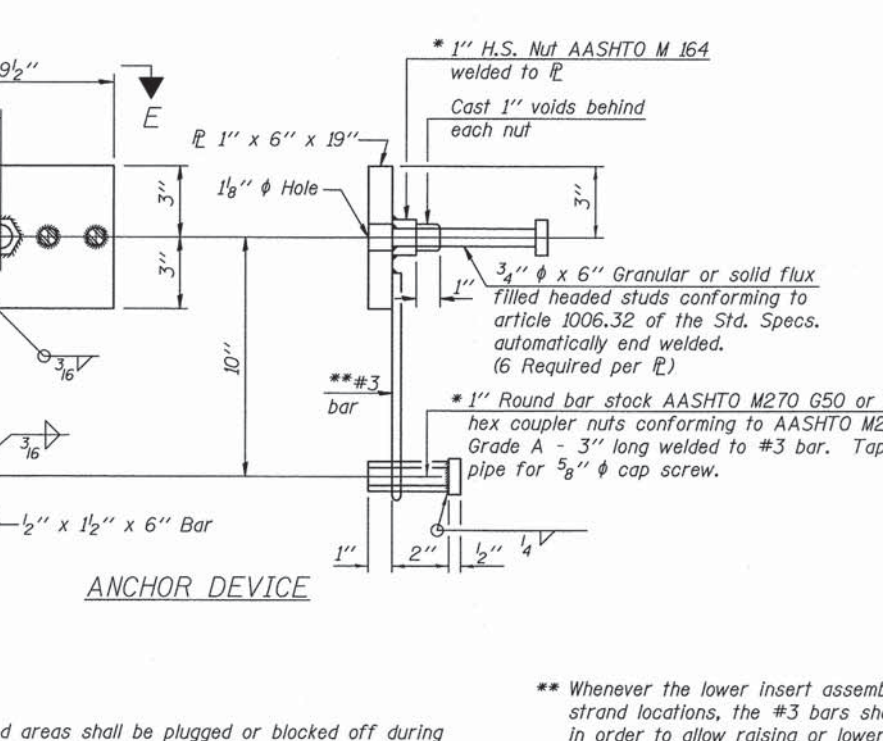
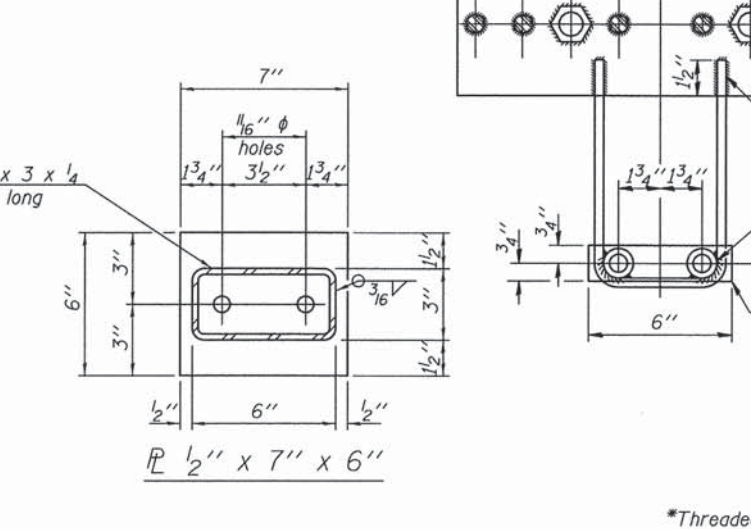
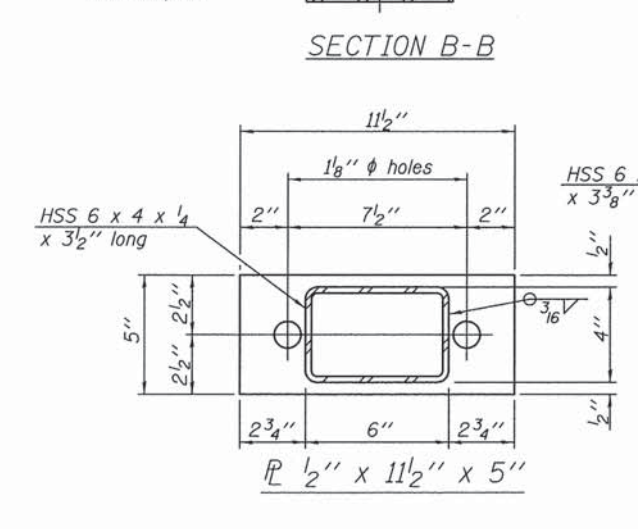
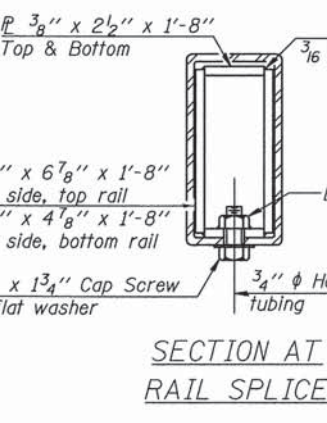
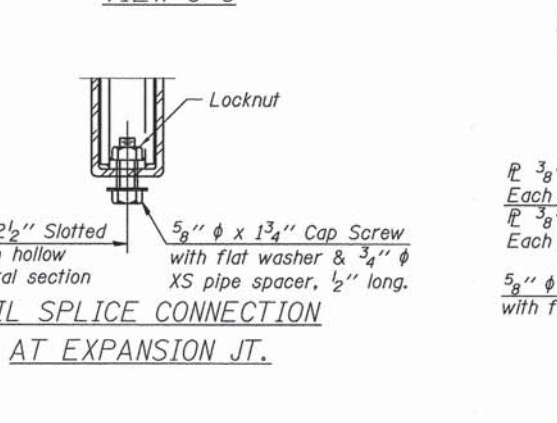
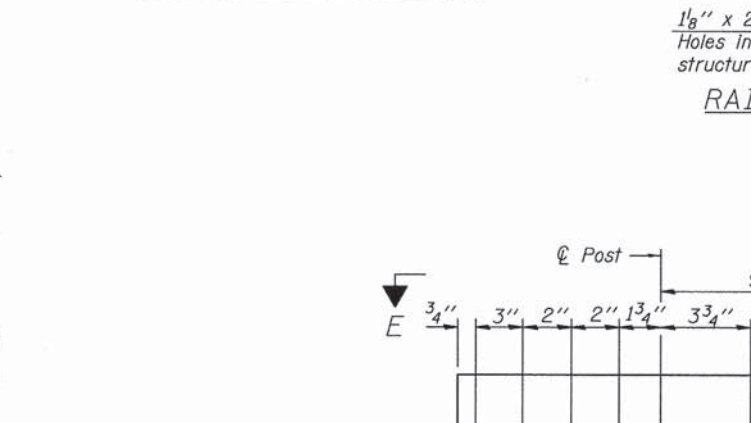
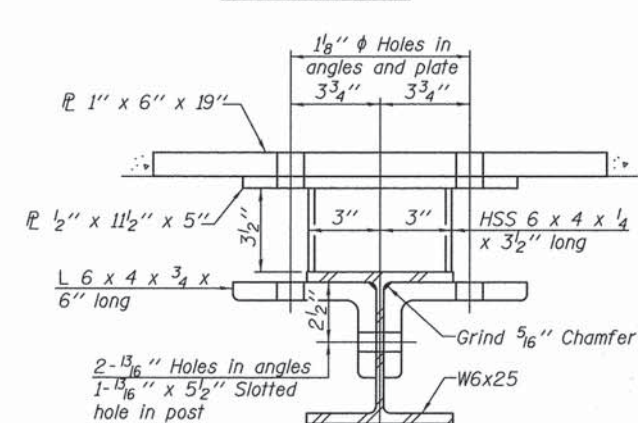
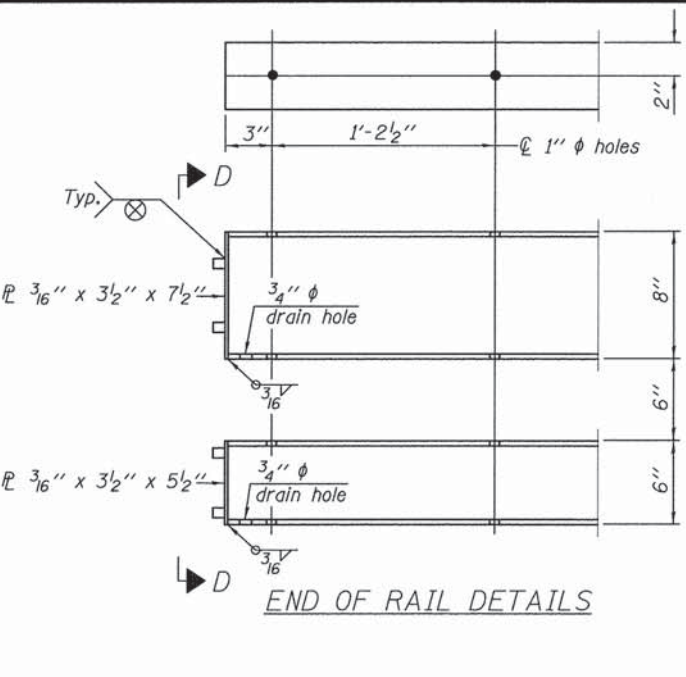
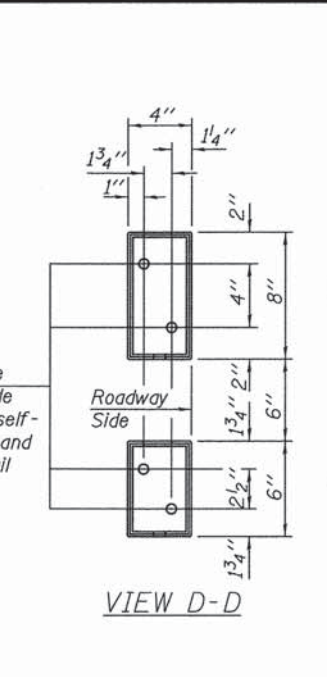
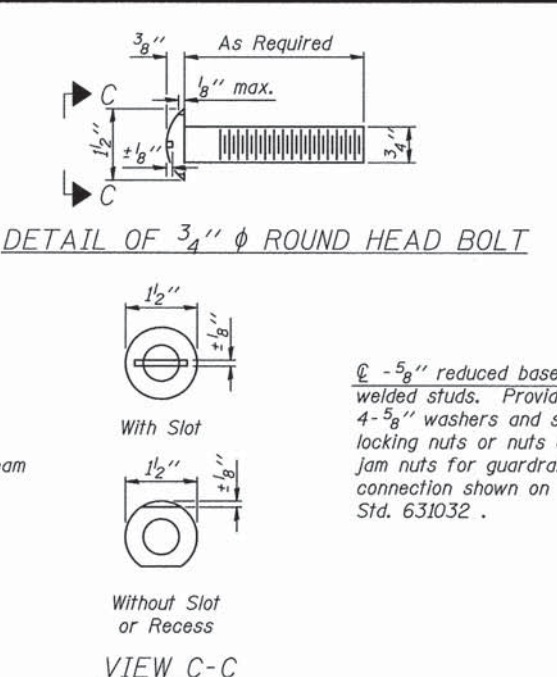
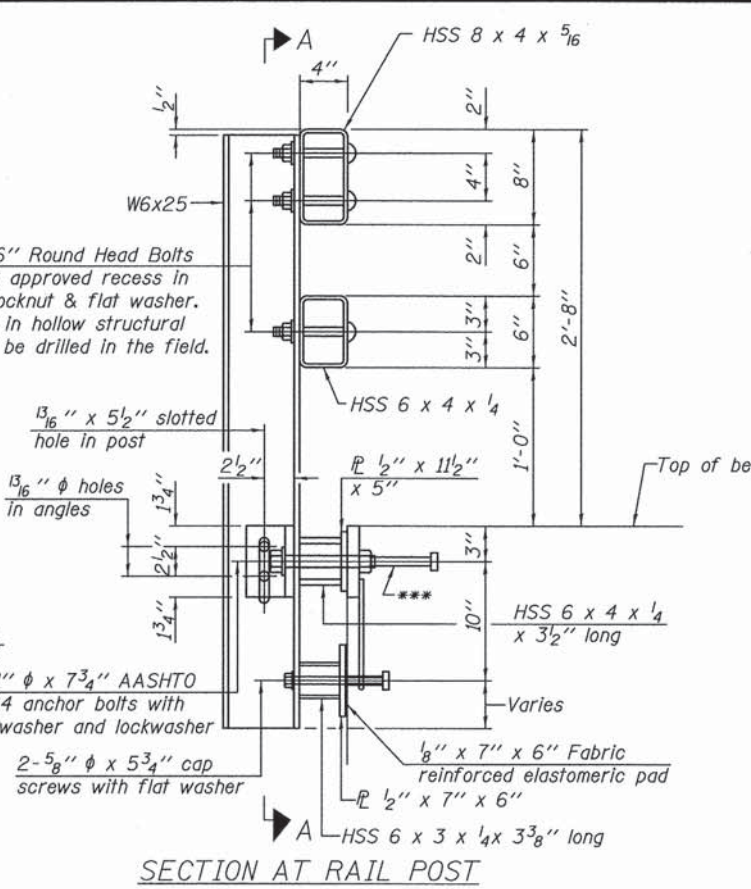
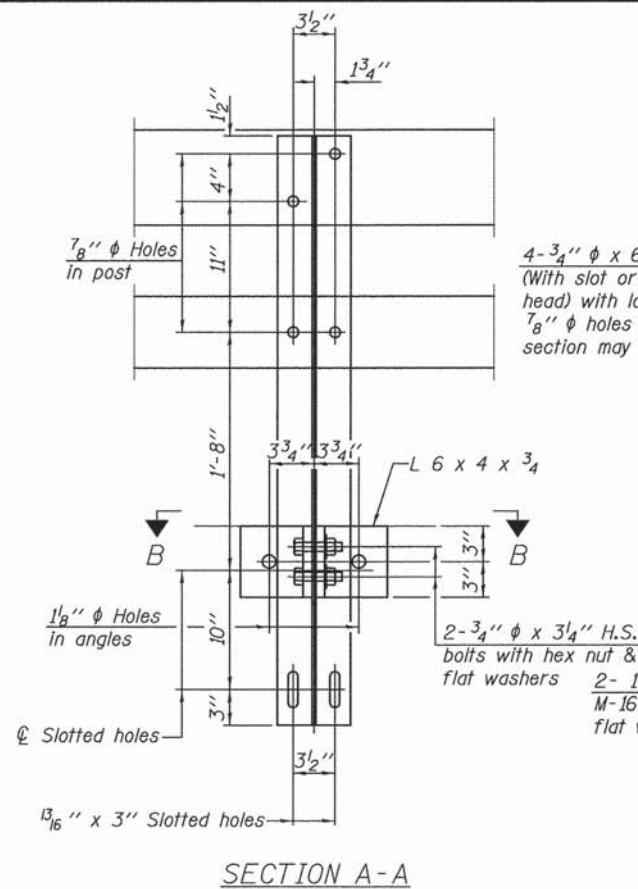
CONTRACT NO. 87500
PROJECT NO. BROS-0063 (100)
SECTION 09-10116-00-BR
GRUNDY COUNTY

21" X 48" PCC DECK BEAM DETAILS

CONSTRUCTION PLANS	CURRENT AS OF: 04/01/2015	
	SCALE: 1"=15'	SHEET 16
	FILE NO.: 11894.02 Y-2	OF 41

CONTRACT NO. 87500

CHAMBLIN & ASSOCIATES, INC. © 2013
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 Date: Apr 01, 2015 - 4:43pm
 Plotted on: Apr 01, 2015 - 4:46pm
 Plotted by: log



Notes:
 All field drilled holes shall be coated with an approved zinc rich paint before erection.
 For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.
 All steel rail members shall be galvanized according to Article 509.05 of the Standard Specifications.
 *** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	382

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

** 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".

REVISIONS	LEVEL	BY	DATE	DESCRIPTION

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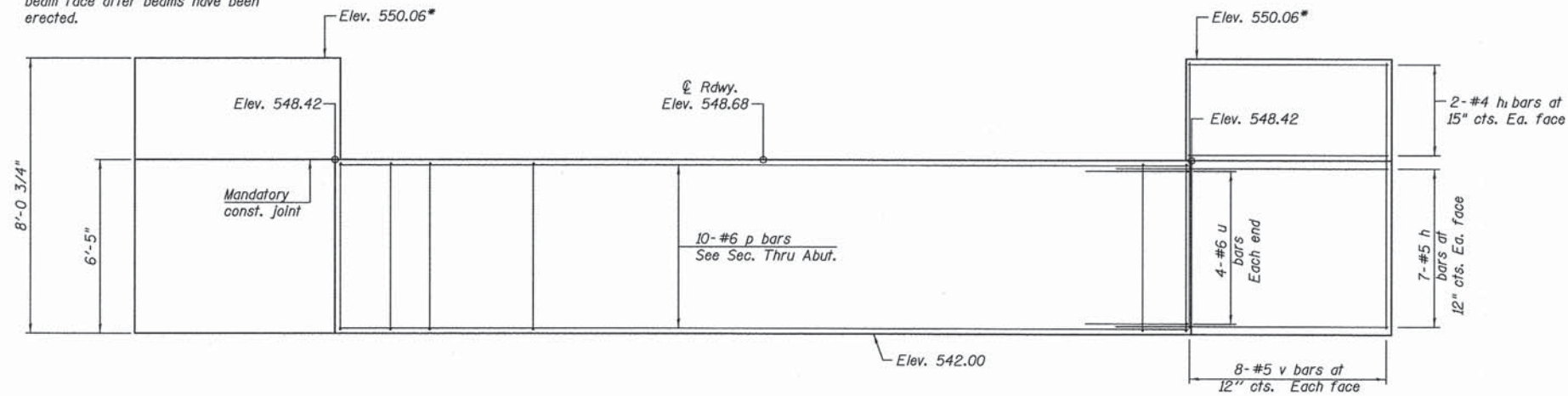
CONTRACT NO. 87500
PROJECT NO. BROS-0063 (100)
SECTION 09-10116-00-BR
GRUNDY COUNTY

STEEL RAILING, TYPE SM

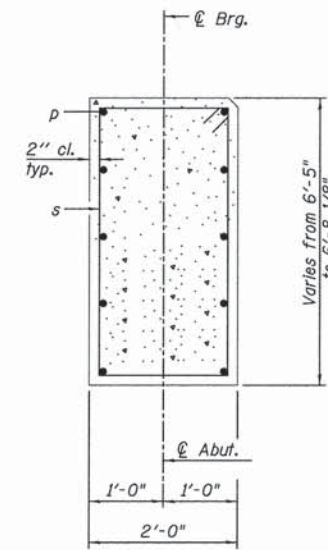
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 CURRENT AS OF: 04/01/2015
 SCALE: NONE
 SHEET 17 OF 41
 FILE NO.: 11894.02 Y-2

CONTRACT NO. 87500

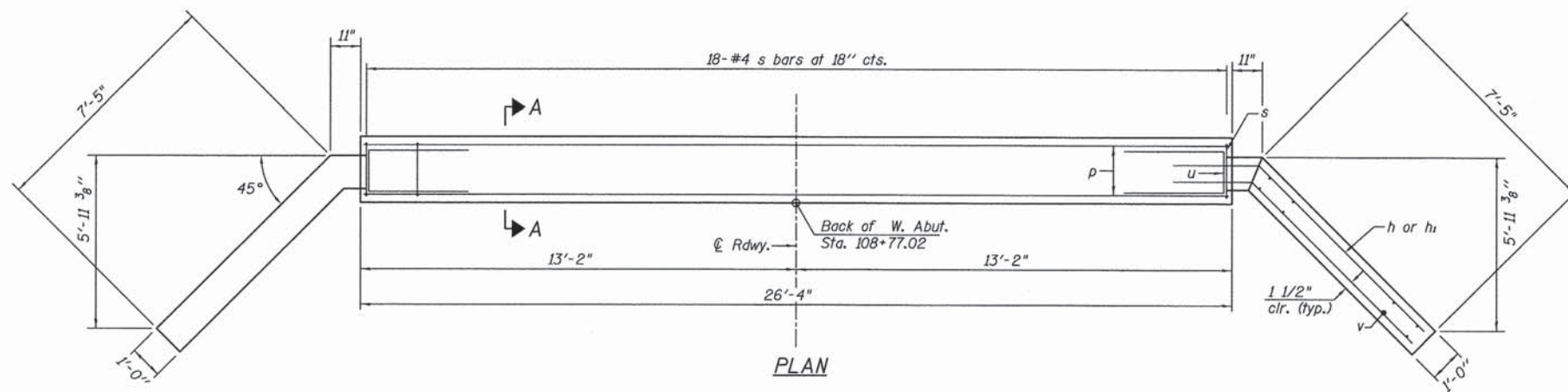
* Cast top of wingwall flush with exterior beam face after beams have been erected.



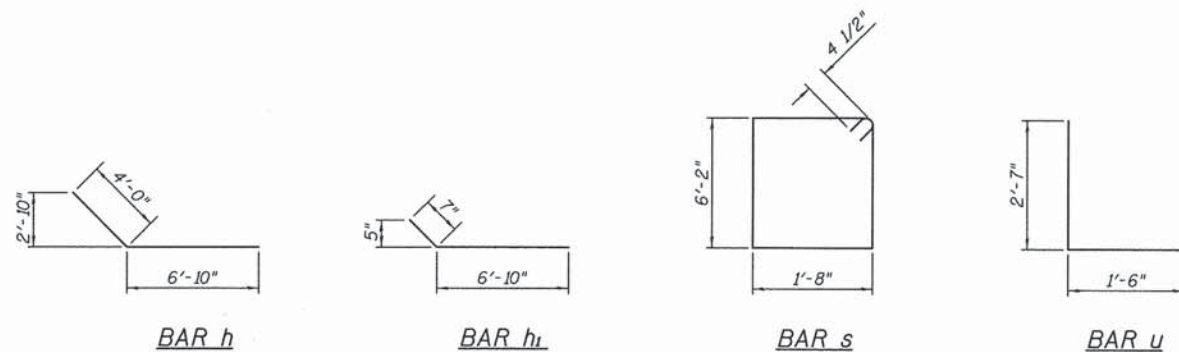
ELEVATION



SECTION A-A



PLAN



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h	28	#5	10'-10"	—
h ₁	8	#4	7'-5"	—
p	10	#6	26'-0"	—
s	18	#4	16'-5"	□
u	8	#6	6'-8"	—
v	32	#5	7'-9"	—
Structure Excavation			Cu. Yd.	11
Concrete Structures			Cu. Yd.	17.5
Reinforcement Bars			Pound	1280
Concrete Removal			Cu. Yd.	13.0

Note: Existing West Abutment removal will be paid for as Concrete Removal.

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CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 02/15				

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CONTRACT NO. 87500
PROJECT NO. BROS-0063 (100)
SECTION 09-10116-00-BR
GRUNDY COUNTY

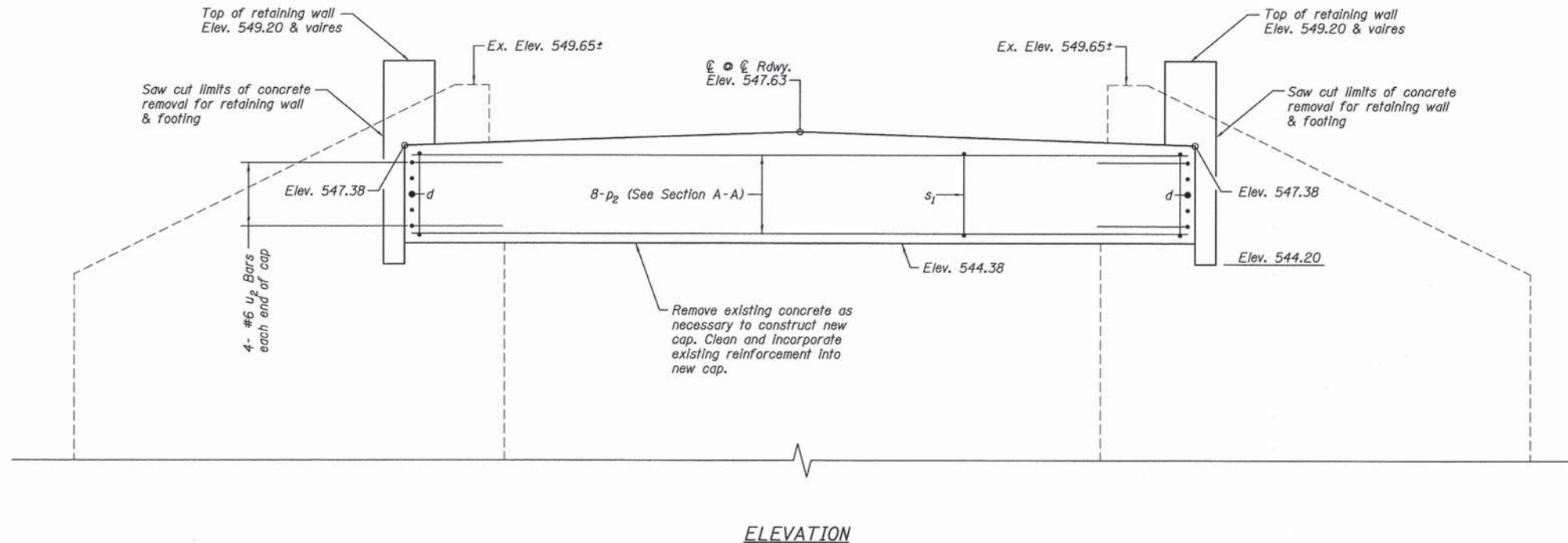
WEST ABUTMENT DETAILS

CONSTRUCTION PLANS

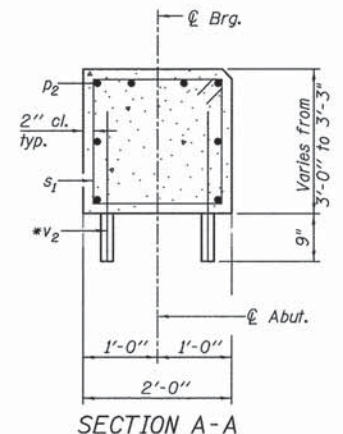
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SCALE: NONE	SHEET 18
FILE NO.: 11894.02 Y-2	OF 41

CONTRACT NO. 87500

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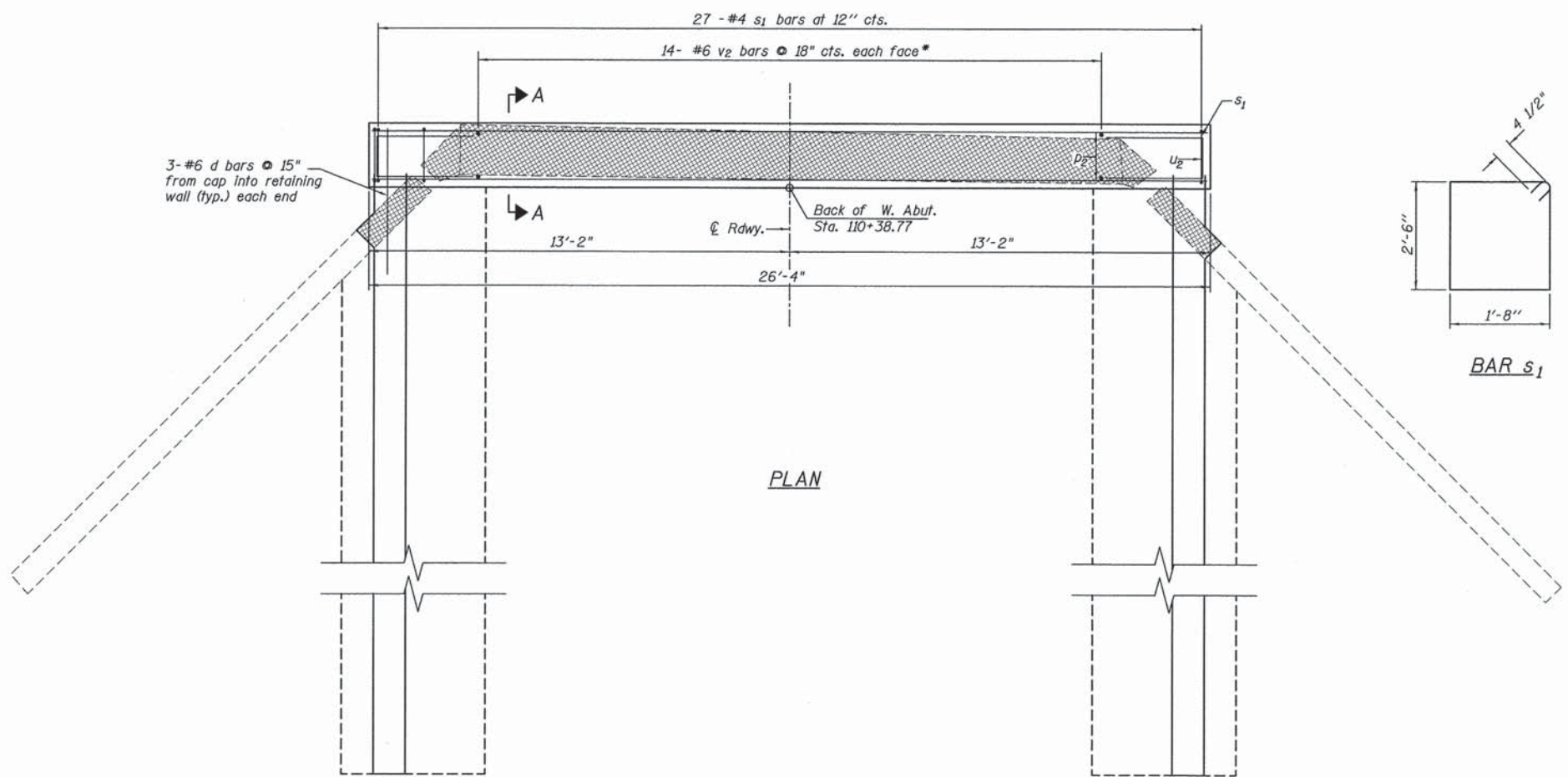


ELEVATION



SECTION A-A

* Drill & Epoxy Grout 9" into existing Abutment



PLAN

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
d	6	#6	4'-0"	—	
p ₂	8	#6	26'-0"	—	
s ₁	27	#4	9'-1"	□	
u ₂	8	#6	6'-9"	—	
v ₂	28	#6	2'-9"	—	
Structure Excavation				Cu. Yd.	6
Concrete Structures				Cu. Yd.	6.1
Reinforcement Bars				Pound	710
Concrete Removal				Cu. yd.	6.4

DRAWN BY: NOE	REVISIONS			
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 02/15				

CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

CONTRACT NO. 87500
 PROJECT NO. BROS-0063 (100)
 SECTION 09-10116-00-BR
 GRUNDY COUNTY

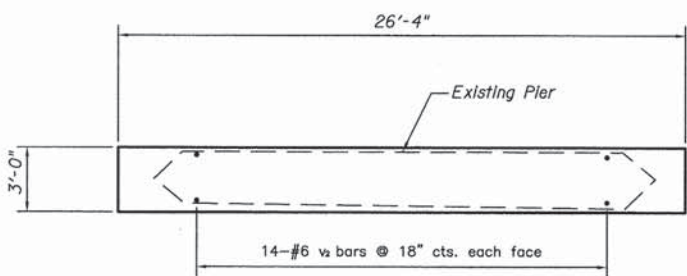
EAST ABUTMENT DETAILS

CONSTRUCTION PLANS

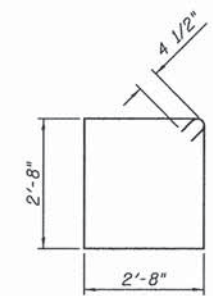
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FILE NO.: 11894.02 Y-2	OF 41	

CONTRACT NO. 87500

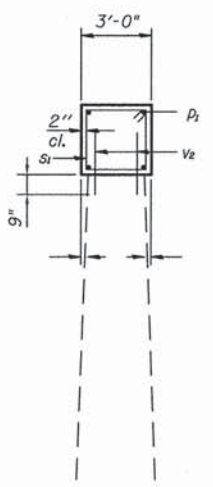
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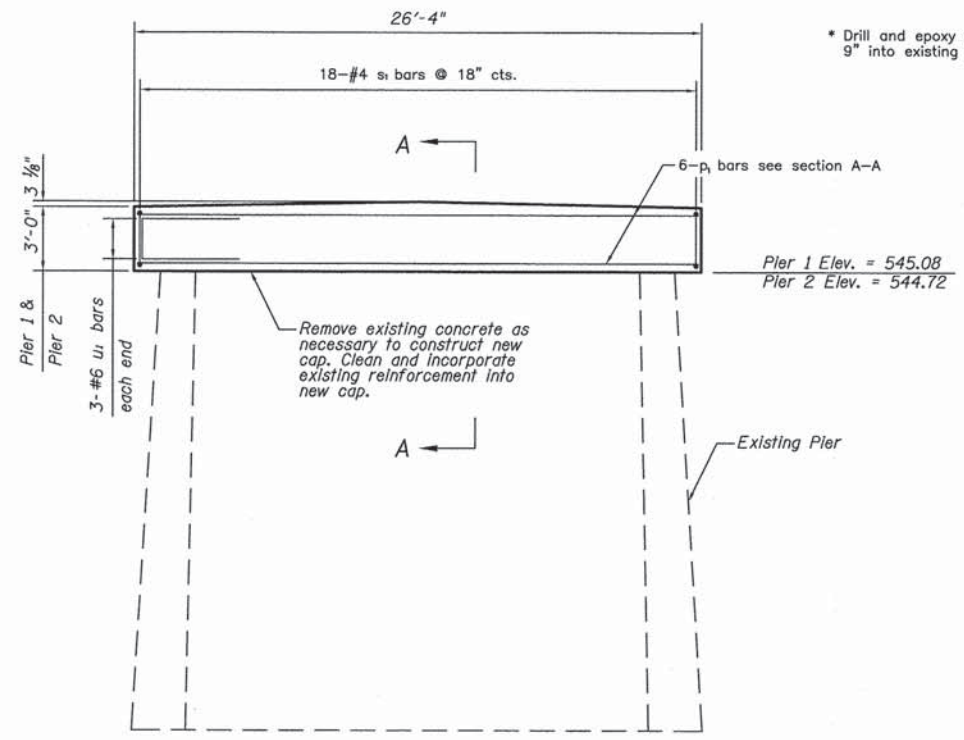
TOP PLAN



BAR S₁

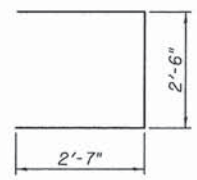


SECTION A-A



ELEVATION

* Drill and epoxy grout 9" into existing pier



BAR U₁

BILL OF MATERIAL 2-PIERS

Bar	No.	Size	Length	Shape
p ₁	12	#6	26'-0"	—
s ₁	36	#4	11'-5"	□
u ₁	12	#6	7'-8"	□
v ₂	56	#6	2'-9"	—
Concrete Structures		Cu. Yd.	18.4	
Reinforcement Bars		Pound	1110	
Concrete Removal		Cu. Yd.	14.7	

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CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 01/14				

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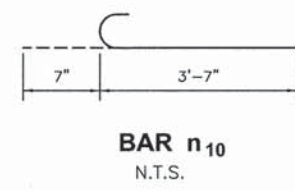
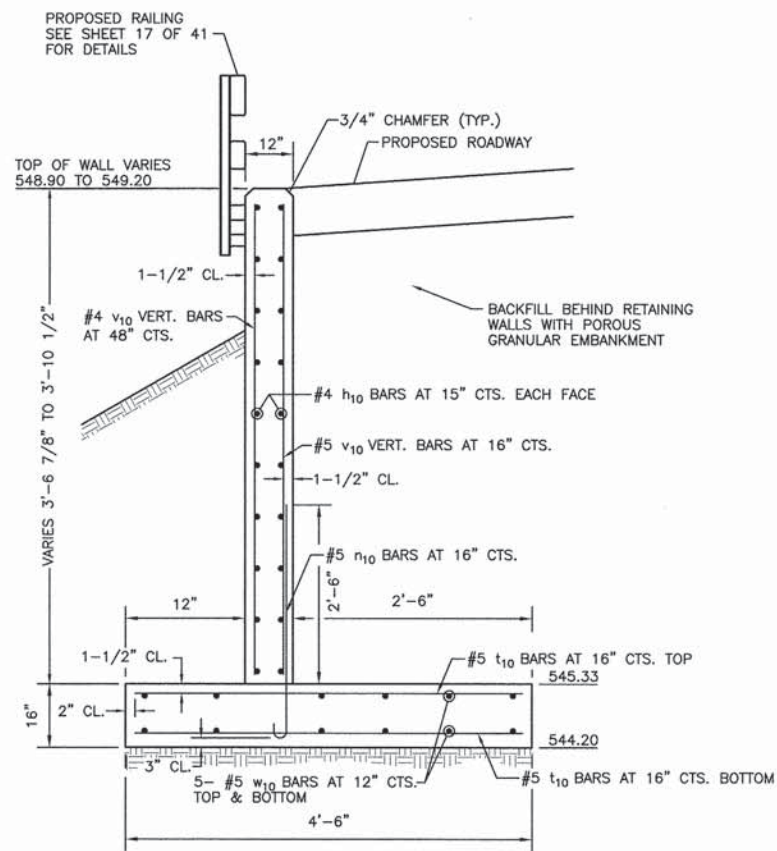
CONTRACT NO. 87500
 PROJECT NO. BROS-0063 (100)
 SECTION 09-10116-00-BR
 GRUNDY COUNTY

PIER 1 & PIER 2 DETAILS

CONSTRUCTION PLANS

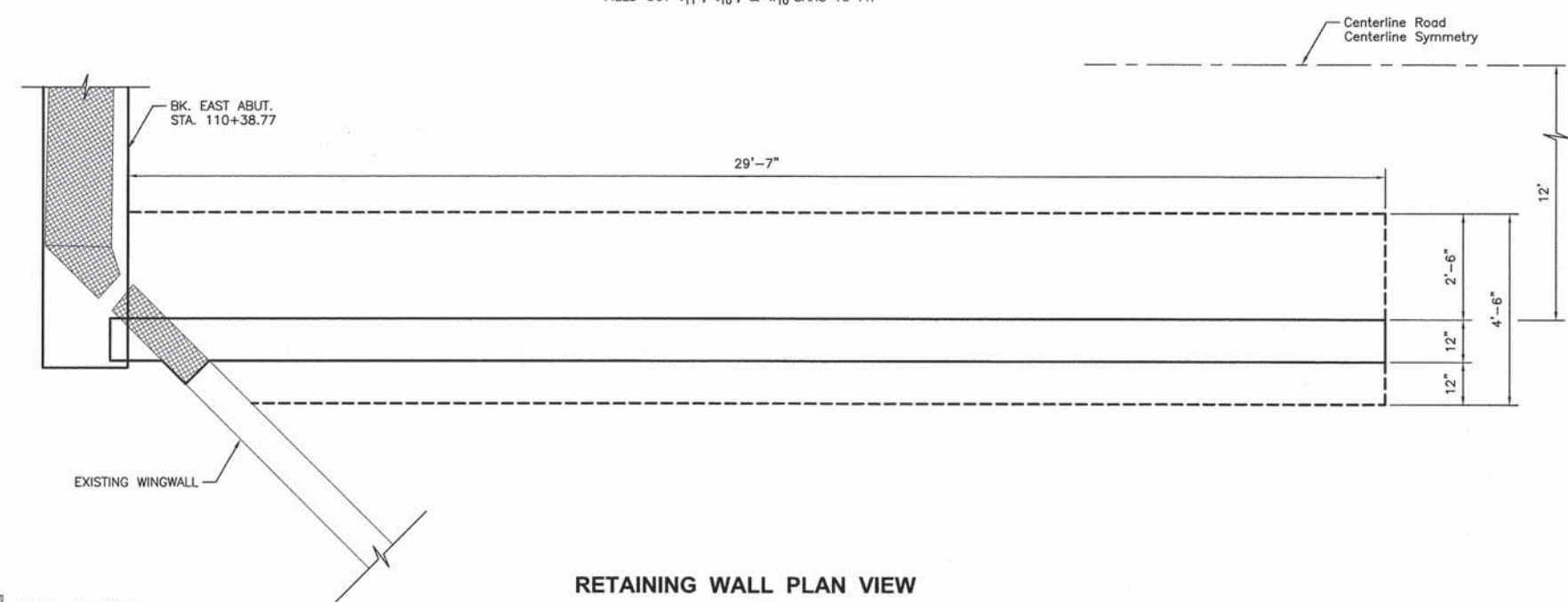
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SCALE: NONE	SHEET 20
FILE NO.: 11894.02 Y-2	OF 41

CONTRACT NO. 87500



RETAINING WALL DETAIL
N.T.S.

FIELD CUT v_{11} , t_{10} , & w_{10} BARS TO FIT



RETAINING WALL PLAN VIEW
N.T.S.

(RIGHT SIDE SHOWN, LEFT SIDE SIMILAR)

BILL OF MATERIAL 2 - RETAINING WALLS

Bar	No.	Size	Length	Shape
n_{10}	16	#4	29'-4"	—
n_{10}	46	#5	4'-2"	C
v_{10}	46	#5	3'-5"	—
v_{11}	16	#4	3'-9"	—
t_{10}	92	#5	4'-3"	—
w_{10}	20	#5	29'-4"	—
Porous Granular Embankment			Cu. Yd.	46
Structure Excavation			Cu. Yd.	71
Concrete Structures			Cu. Yd.	21.3
Reinforcement Bars			Pound	1740

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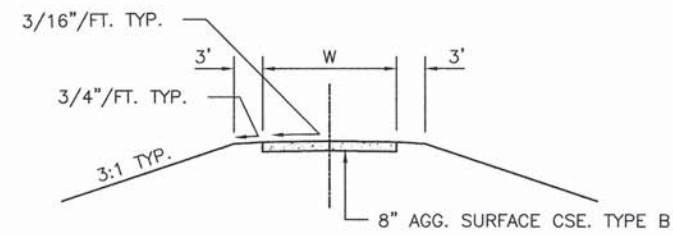
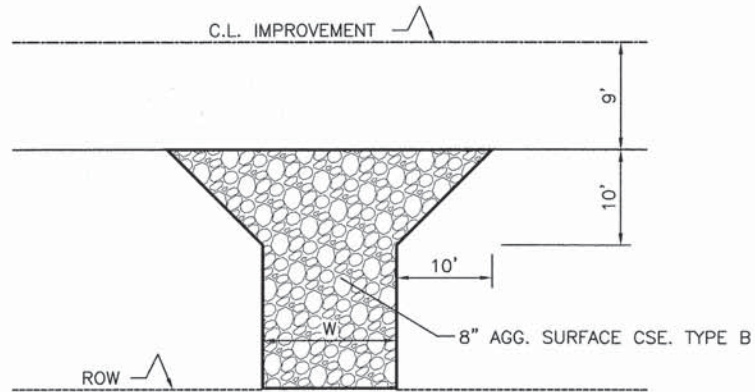
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 SECTION 09-10116-00-BR
 GRUNDY COUNTY

RETAINING WALL DETAILS

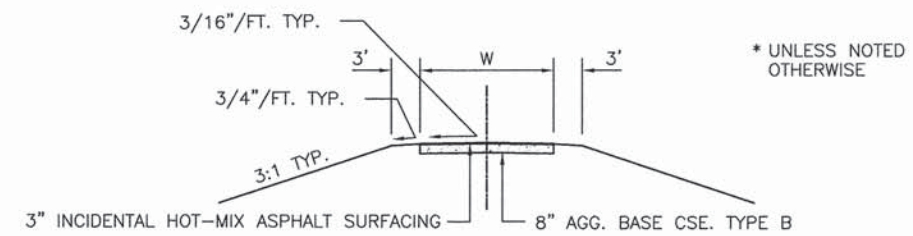
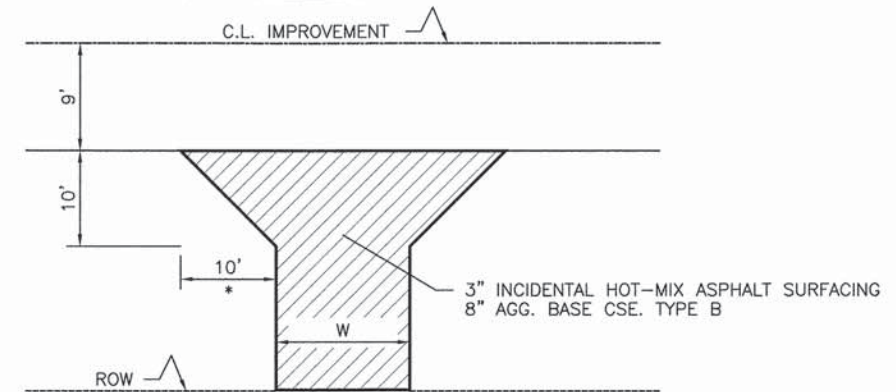
CONSTRUCTION PLANS
 CURRENT AS OF: 04/01/2015
 SCALE: NONE SHEET 21
 FILE NO.: 11894.02 Y-2 OF 41

CONTRACT NO. 87500

TYPICAL PRIVATE ENTRANCE DETAIL (AGGREGATE)



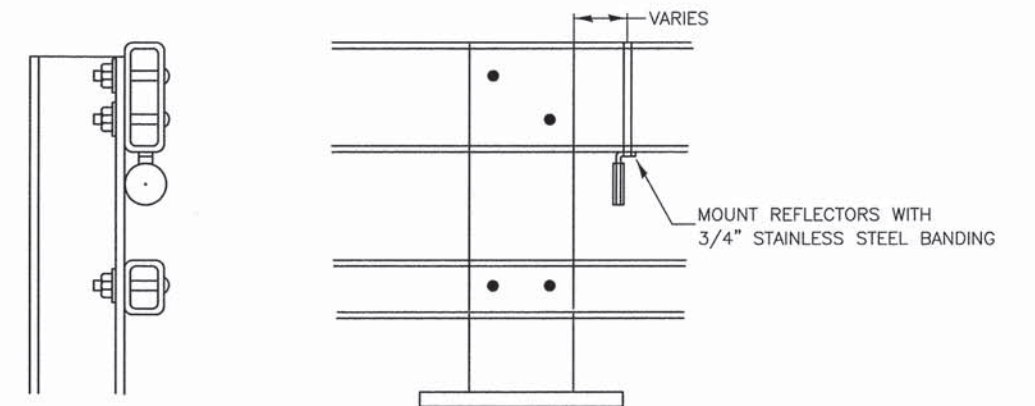
TYPICAL PRIVATE ENTRANCE DETAIL (HMA)



* UNLESS NOTED OTHERWISE

TABLE OF ENTRANCES

STATION	SIDE	W (FT)	AGG. BASE CSE., TY. B (TON)	AGG. SURF. CSE., TY. B (TON)	INCIDENTAL HOT-MIX ASPHALT SURFACING (TON)
104+66.40	RT	24	-	86	-
105+95.53	RT	24	-	117	-
108+07.07	LT	12	23	--	8.5
113+85.58	LT	12	12	--	4.5
TOTAL			35	203	13



NOTES

- REFLECTORS SHALL MEET THE REQUIREMENTS OF ARTICLE 1097.03 OF THE STANDARD SPECIFICATIONS.
- FURNISHING AND INSTALLING THE COMPLETE REFLECTOR UNIT WILL BE PAID AT THE CONTRACT UNIT PRICE EACH FOR GUARD RAIL MARKERS.

REFLECTOR MOUNTING DETAIL FOR STEEL RAIL

CHAMLIN & ASSOCIATES, INC. © 2013 Drawing Name: G:\Users\11111894\1111894-02-Grundy-Improvements\Roadway-Improvements\CAD\C3D\PLANS\022-DET.dwg Last Modified: Apr 01, 2015 - 4:56pm Plotted on: Apr 01, 2015 - 4:59pm by lag

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CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 01/14				

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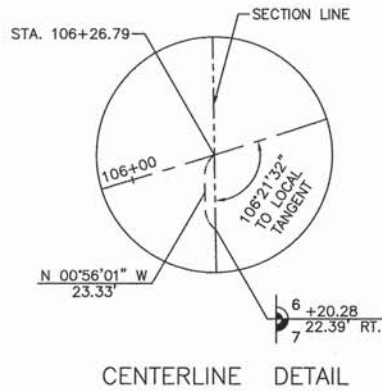
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PROJECT NO. BROS-0063 (100)
SECTION 09-10116-00-BR
GRUNDY COUNTY

DETAILS

CONSTRUCTION PLANS

CURRENT AS OF: 04/01/2015	
SCALE: NONE	SHEET 23
FILE NO.: 11894.02 Y-2	OF 41

CONTRACT NO. 87500



PARCEL NO. 4
KENNETH B. SPELDE, TRUSTEE, et al
 TOTAL AREA REQUIRED = 0.627 AC. [27323 SQ. FT.] ±
 AREA IN EXISTING RDWY. = 0.164 AC. [7141 SQ. FT.] ±
 NET AREA REQ'D = 0.463 AC. [20182 SQ. FT.] ±

CENTERLINE CURVE DATA
 Δ = 19°33'48"
 R = 2480.00'
 T = 427.55'
 L = 846.78'
 PC STA = 99+49.32
 PI STA = 103+76.87
 PT STA = 107+96.10

CENTERLINE CURVE DATA
 Δ = 21°56'04"
 R = 600.00'
 T = 116.27'
 L = 229.70'
 PC STA = 111+15.02
 PI STA = 112+31.29
 PT STA = 113+44.72

PARCEL NO. 5
RICHARD K. GILCHRIST, TRUSTEE, et ux
 TOTAL AREA REQUIRED = 0.677 AC. [29483 SQ. FT.] ±
 AREA IN EXISTING RDWY. = 0.658 AC. [28663 SQ. FT.] ±
 NET AREA REQ'D = 0.019 AC. [820 SQ. FT.] ±

PARCEL NO. 6
STANDARD BANK AND TRUST COMPANY, TRUSTEE
TRUST NO. 17609
 TOTAL AREA REQUIRED = 0.161 AC. [7010 SQ. FT.] ±
 AREA IN EXISTING RDWY. = 0.161 AC. [7010 SQ. FT.] ±
 NET AREA REQ'D = 0.000 AC. [0 SQ. FT.] ±

FOR INFORMATION ONLY

CHAMLIN & ASSOCIATES, INC. © 2013
 Drawing Name: G:\Users\A111894\111894-02-COVID-Springs-04-Bridge-and-Roadway-Improvements\CAD\CAD\PLANS\025-RDWAY-PLATZ-INTC-ONLY.dwg List Modified: Apr 01, 2015 - 5:06pm by log

I, SCOTT M. SPAYER, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED REALIGNMENT OF SPRING ROAD WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.



DATE: 03/15	SCOTT M. SPAYER ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 035-003645
DRAWN BY: NOE	REVISIONS
CHECKED BY: JKC	LEVEL BY DATE DESCRIPTION

CHAMLIN ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

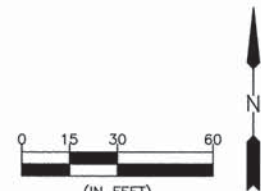
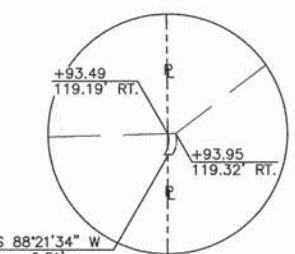
CONTRACT NO. 87500
PROJECT NO. BROS-0063 (100)
SECTION 09-10116-00-BR
GRUNDY COUNTY

RIGHT - OF - WAY PLANS

CONSTRUCTION PLANS
 CURRENT AS OF: 04/01/2015
 SCALE: AS NOTED SHEET 25
 FILE NO.: 11894.02 Y-2 OF 41

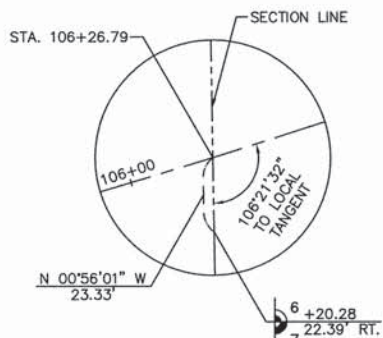
RIGHT OF WAY PLANS

ROUTE SPRING ROAD
 SECTION 09-10116-00-BR
 COUNTY GRUNDY
 JOB No. ---
 STATION 106+00
 STATION 114+42
 SCALE AS NOTED SHEET 1 OF 1



BEARINGS BASED ON THE SOUTH LINE OF THE S.E. 1/4 OF SECTION 1, T. 32 N., R. 7 E., OF THE 3RD P.M. HAVING BEARING S 88°21'34" W.

CONTRACT NO. 87500



CENTERLINE DETAIL

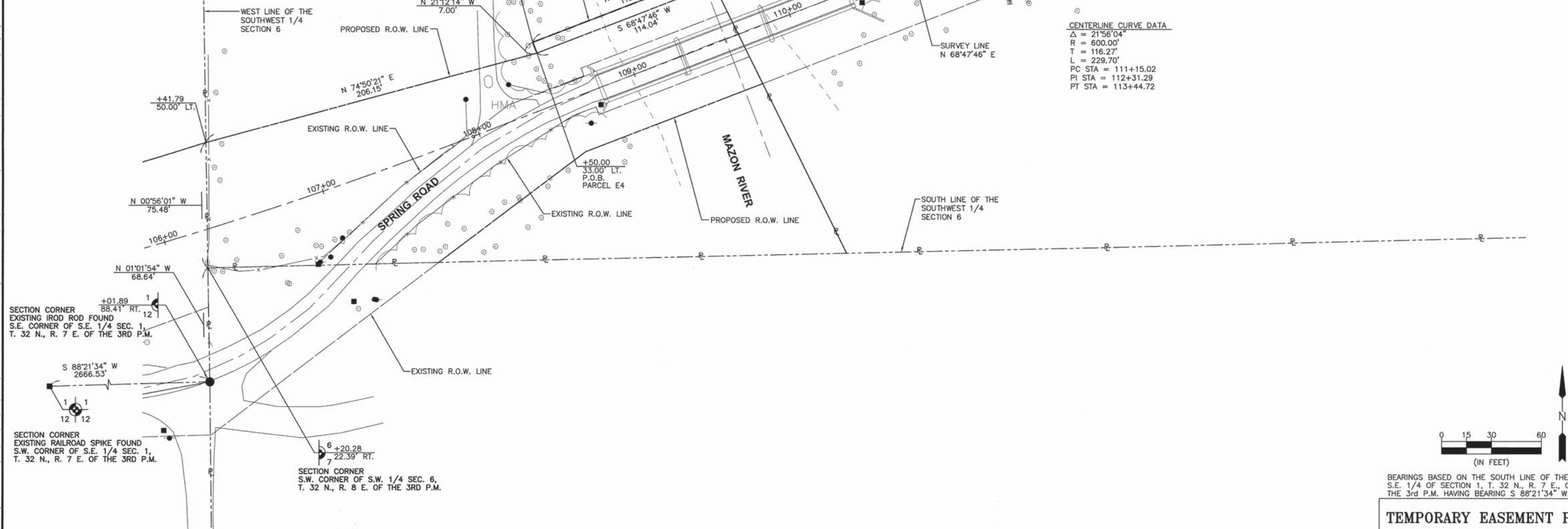
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 $R = 2480.00'$
 $T = 427.55'$
 $L = 846.78'$
 $PC STA = 99+49.32$
 $PI STA = 103+76.87$
 $PT STA = 107+96.10$

PARCEL NO. E4
 KENNETH B. SPELDE, TRUSTEE, et al
 TOTAL AREA REQUIRED = 0.018 AC. [796 SQ. FT.] ±
 TEMPORARY EASEMENT FOR CONSTRUCTION

PARCEL NO. E5
 RICHARD K. GILCHRIST, TRUSTEE, et ux
 TOTAL AREA REQUIRED = 0.024 AC. [1059 SQ. FT.] ±
 TEMPORARY EASEMENT FOR CONSTRUCTION

CENTERLINE CURVE DATA
 $\Delta = 21^{\circ}56'04''$
 $R = 600.00'$
 $T = 116.27'$
 $L = 229.70'$
 $PC STA = 111+15.02$
 $PI STA = 112+31.29$
 $PT STA = 113+44.72$

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SECTION CORNER
 EXISTING IRON ROD FOUND
 S.E. CORNER OF S.E. 1/4 SEC. 1,
 T. 32 N., R. 7 E. OF THE 3RD P.M.
 S 88°21'34" W
 2666.53'

SECTION CORNER
 EXISTING RAILROAD SPIKE FOUND
 S.W. CORNER OF S.E. 1/4 SEC. 1,
 T. 32 N., R. 7 E. OF THE 3RD P.M.
 S 88°21'34" W
 2666.53'

SECTION CORNER
 S.W. CORNER OF S.W. 1/4 SEC. 6,
 T. 32 N., R. 8 E. OF THE 3RD P.M.
 6 +20.28
 22.39' RT.

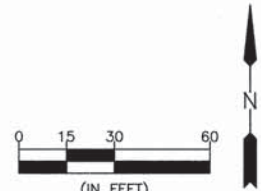


I, SCOTT M. SPAYER, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED REALIGNMENT OF SPRING ROAD WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATE: _____
 SCOTT M. SPAYER
 ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 035-003645

FOR INFORMATION ONLY

SEC. 7, T. 32 N., R. 8 E., 3RD P.M.



BEARINGS BASED ON THE SOUTH LINE OF THE S.E. 1/4 OF SECTION 1, T. 32 N., R. 7 E., OF THE 3rd P.M. HAVING BEARING S 88°21'34" W.

TEMPORARY EASEMENT PLAT	
ROUTE	SPRING ROAD
SECTION	09-10116-00-BR
COUNTY	GRUNDY
JOB No.	---
STATION	106+00
STATION	114+42
SCALE	AS NOTED SHEET 1 OF 1

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DATE: 03/15				

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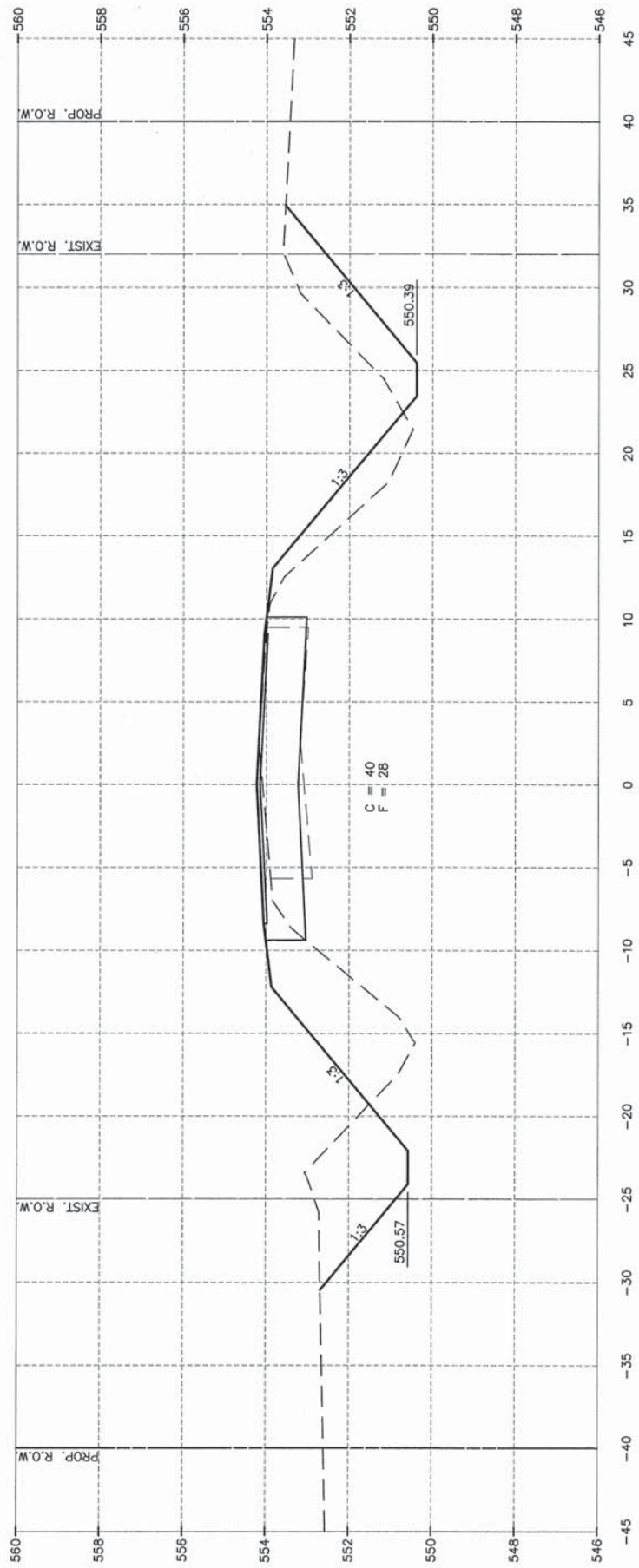
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 PROJECT NO. BROS-0063 (100)
 SECTION 09-10116-00-BR
 GRUNDY COUNTY

TEMPORARY EASEMENT PLAT

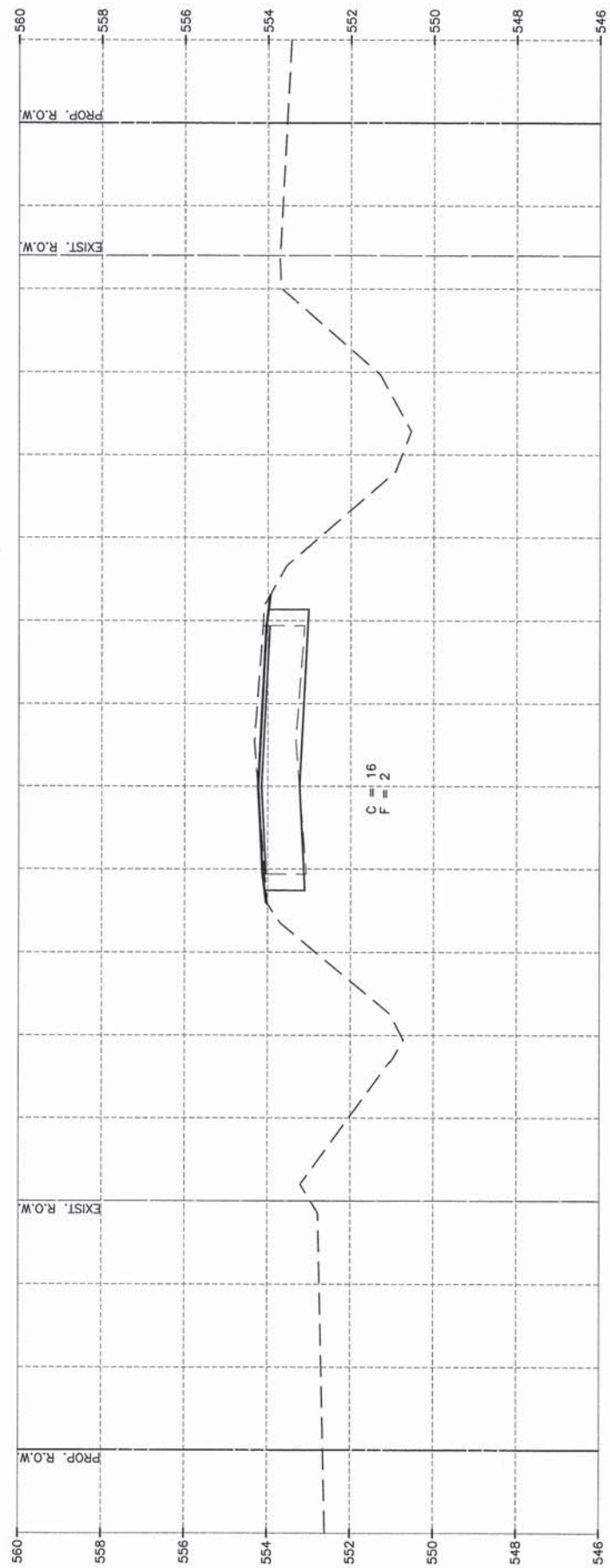
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 CURRENT AS OF: 04/01/2015
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 FILE NO.: 11894.02 Y-2 OF 41

CONTRACT NO. 87500

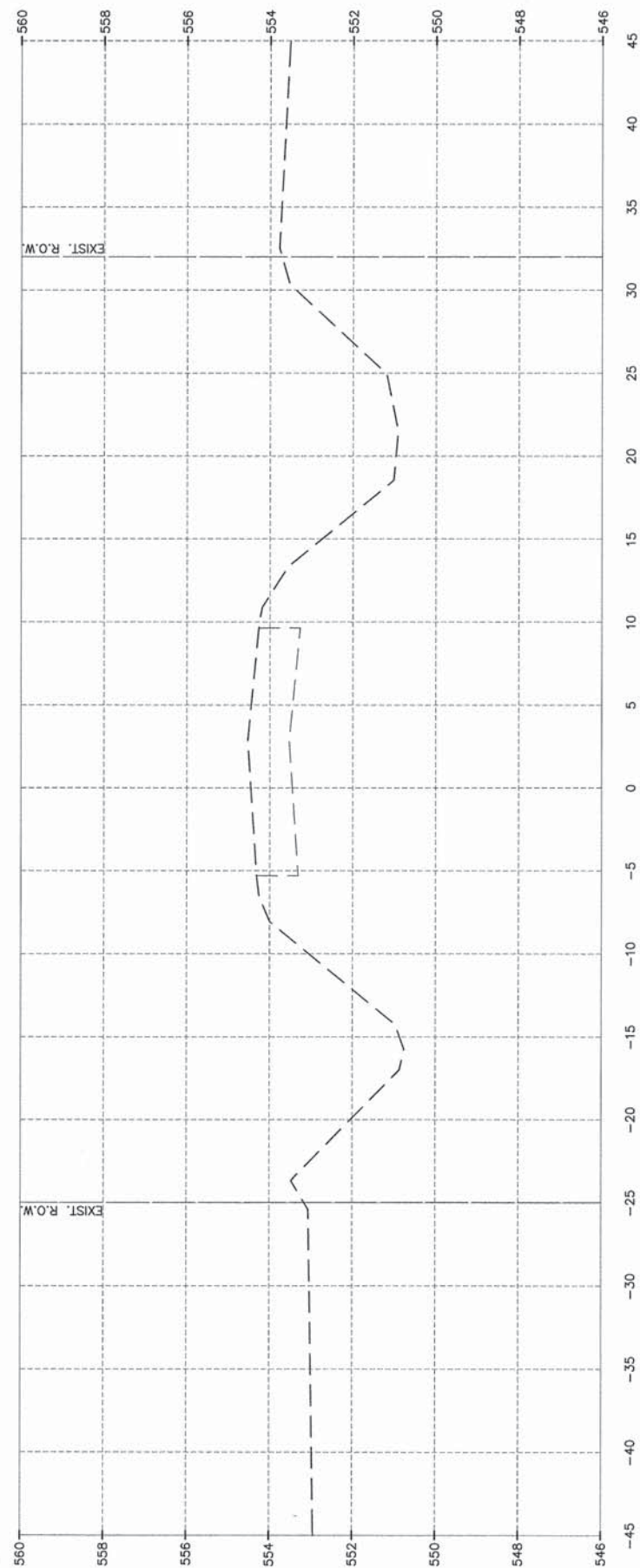
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98+50.00



98+00.00



97+50.00

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CONTRACT NO. 87500
 PROJECT NO. BROS-0063 (100)
 SECTION 09-10116-00-BR
 GRUNDY COUNTY

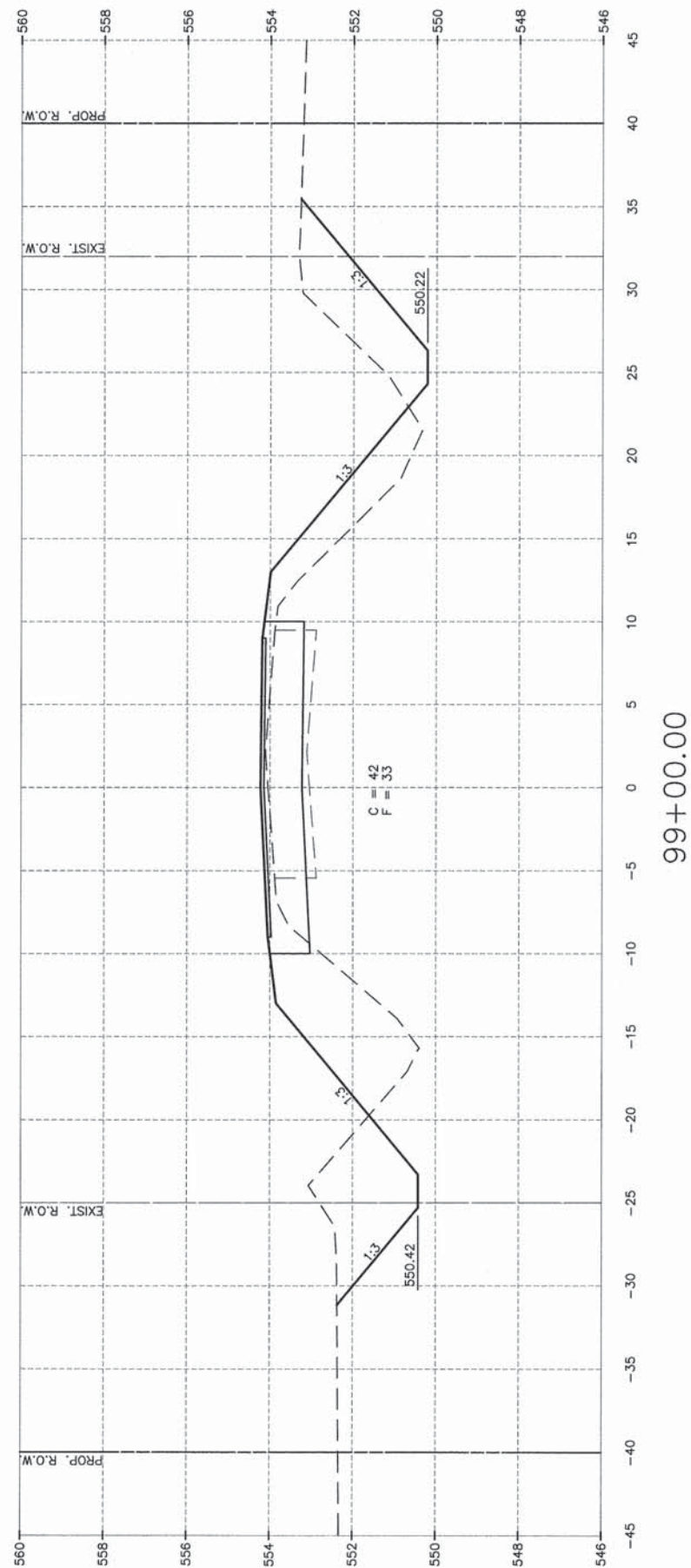
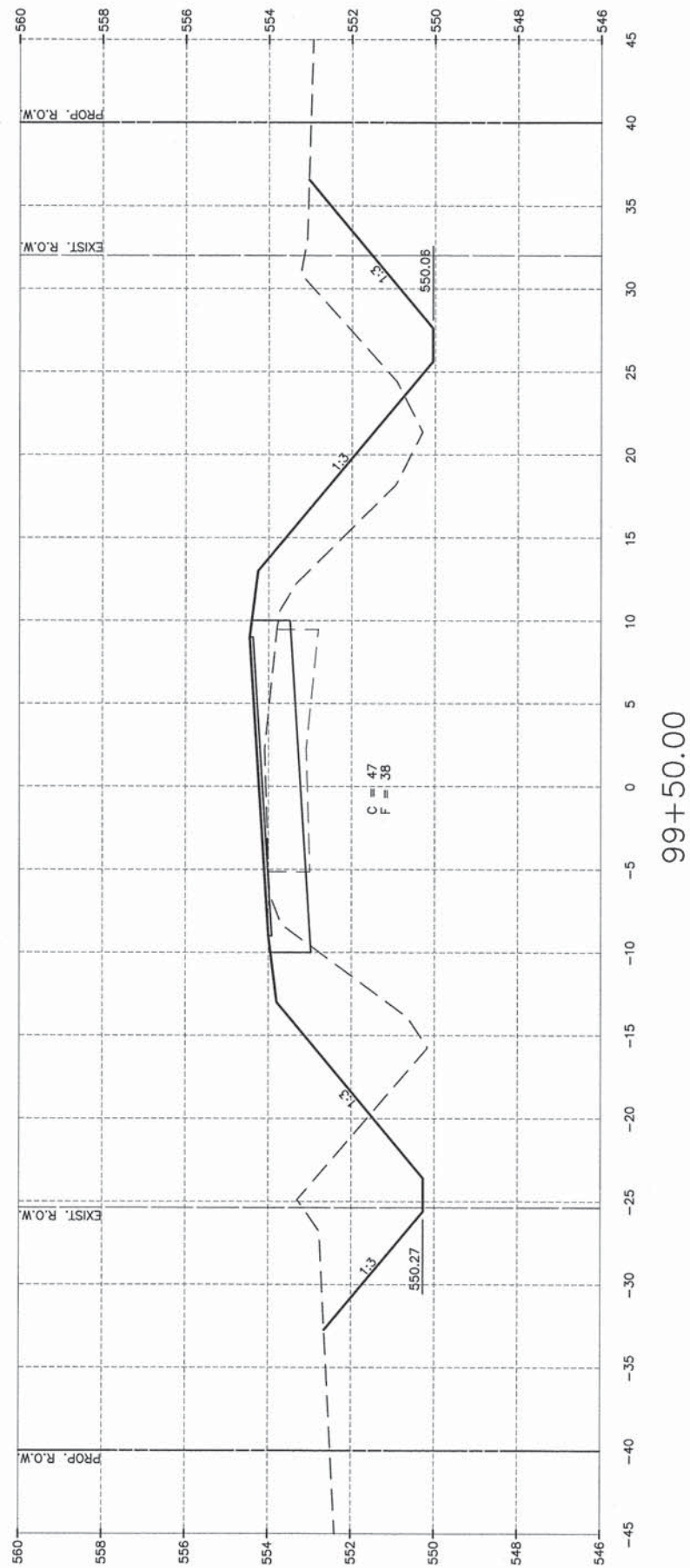
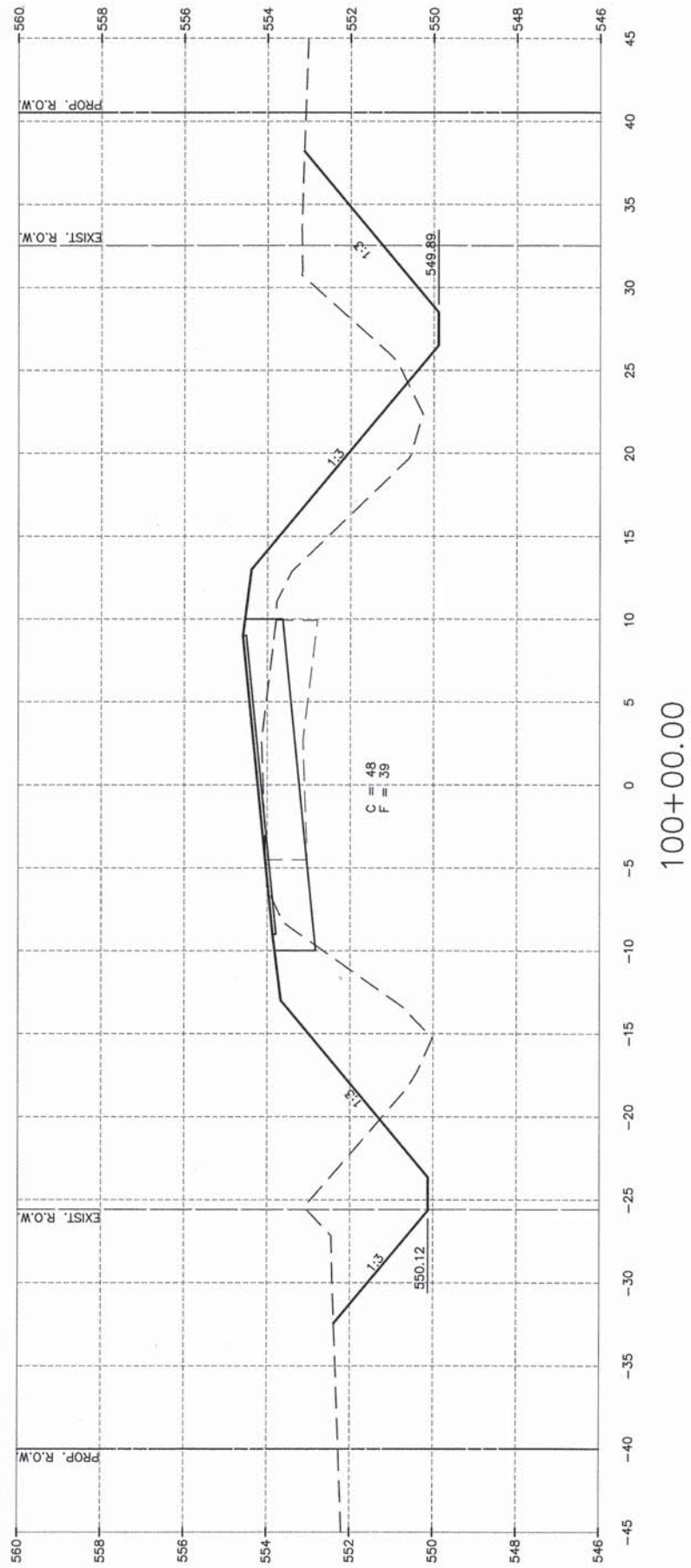
CROSS SECTIONS

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SHEET 27
OF 41

CONTRACT NO. 87500

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CONTRACT NO. 87500
 PROJECT NO. BROS-0063 (100)
 SECTION 09-10116-00-BR
 GRUNDY COUNTY

CROSS SECTIONS

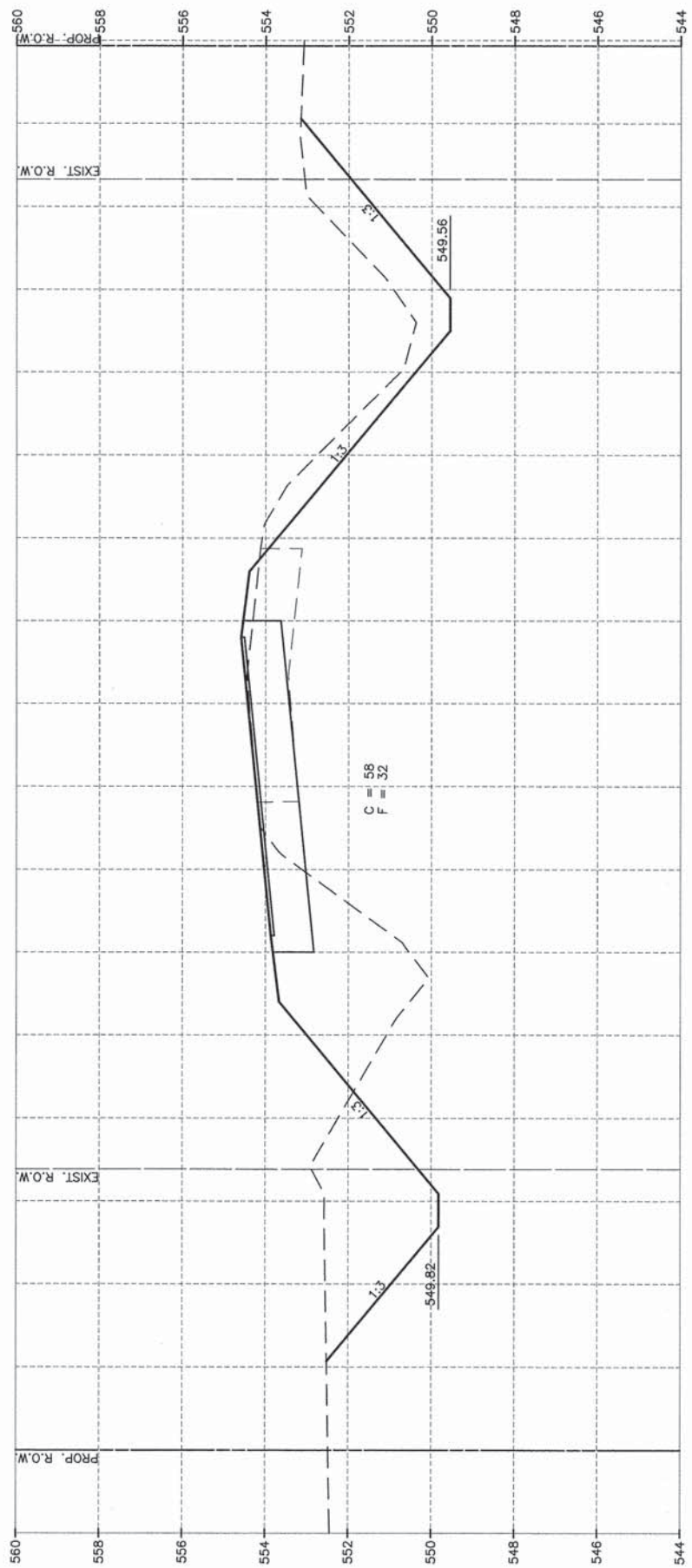
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101+50.00



101+00.00



100+50.00

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REVISIONS																	
LEVEL	BY	DATE	DESCRIPTION														

CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

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 PROJECT NO. BROS-0063 (100)
 SECTION 09-10116-00-BR
 GRUNDY COUNTY

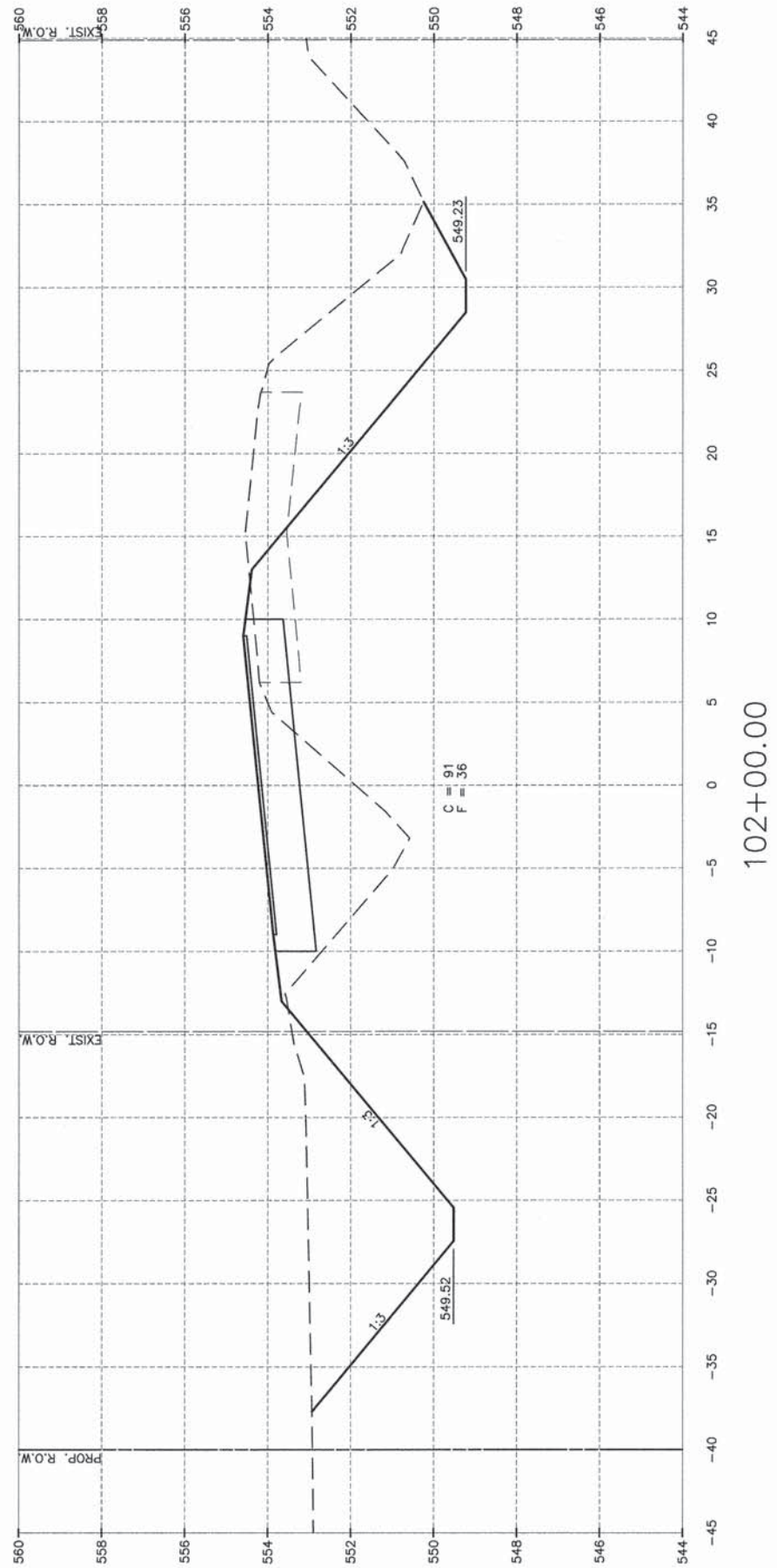
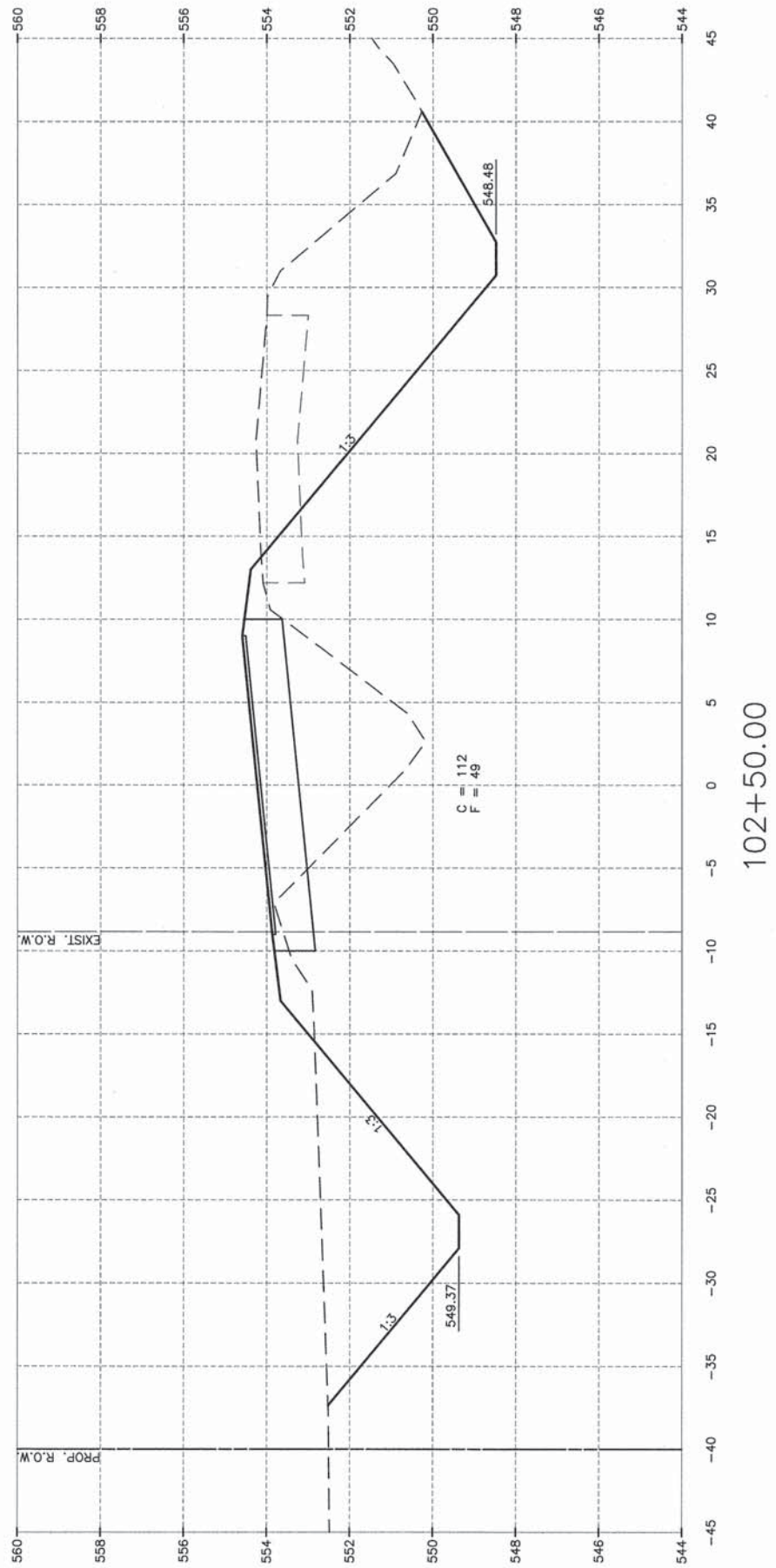
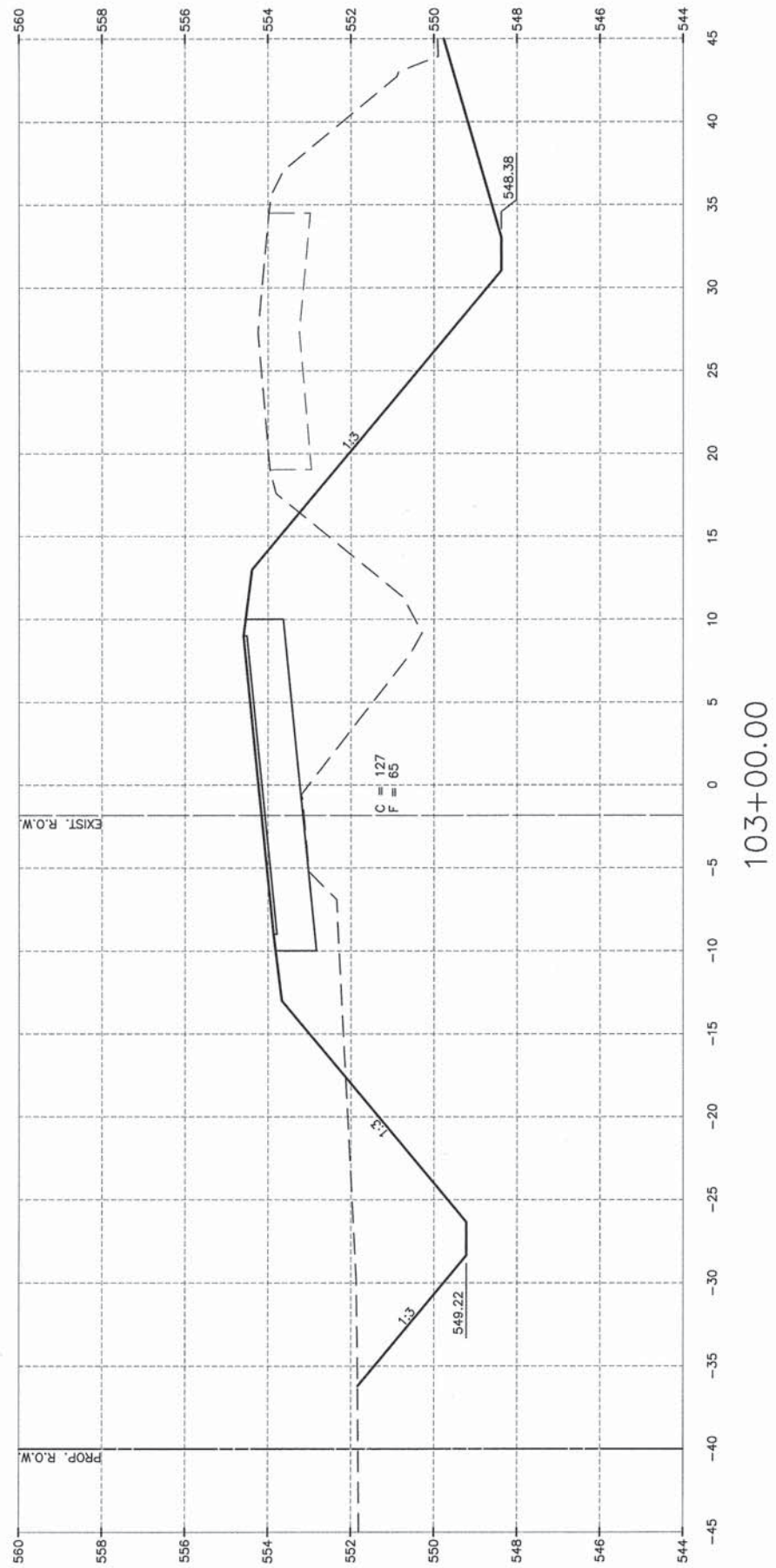
CROSS SECTIONS

CONSTRUCTION PLANS

CURRENT AS OF: 04/01/2015	SHEET 29
SCALE: NONE	OF 41
FILE NO.: 11894.02 Y-2	

CONTRACT NO. 87500

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CONTRACT NO. 87500

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DATE: 01/14				

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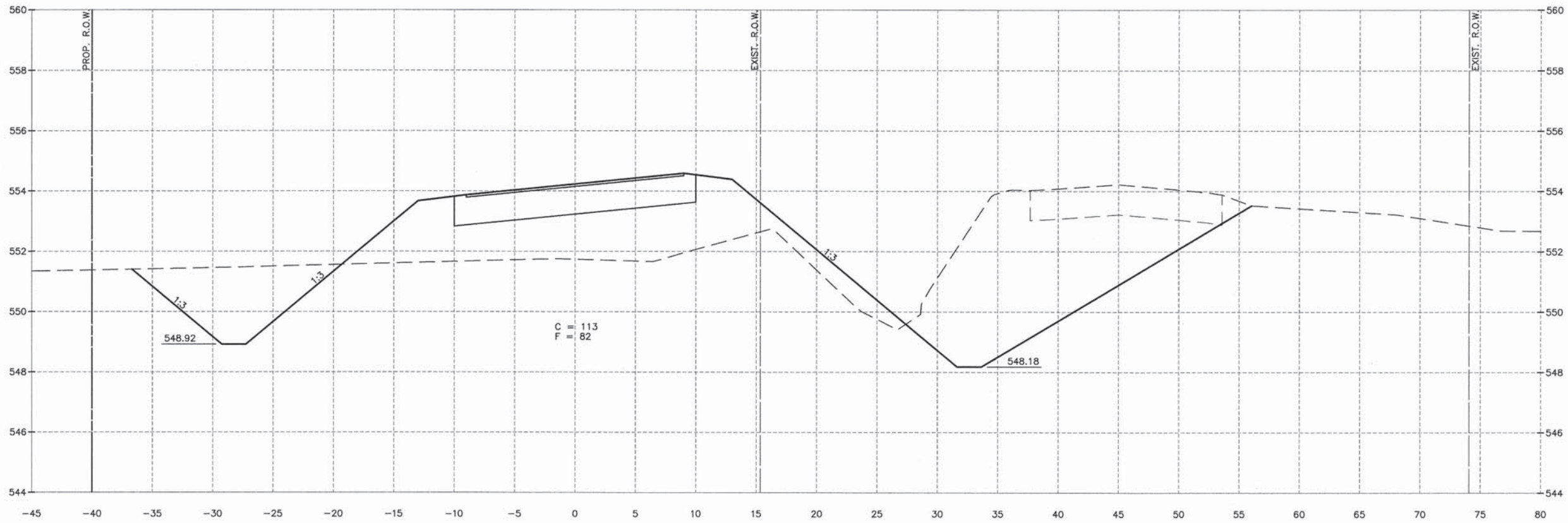
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 SECTION 09-10116-00-BR
 GRUNDY COUNTY

CROSS SECTIONS

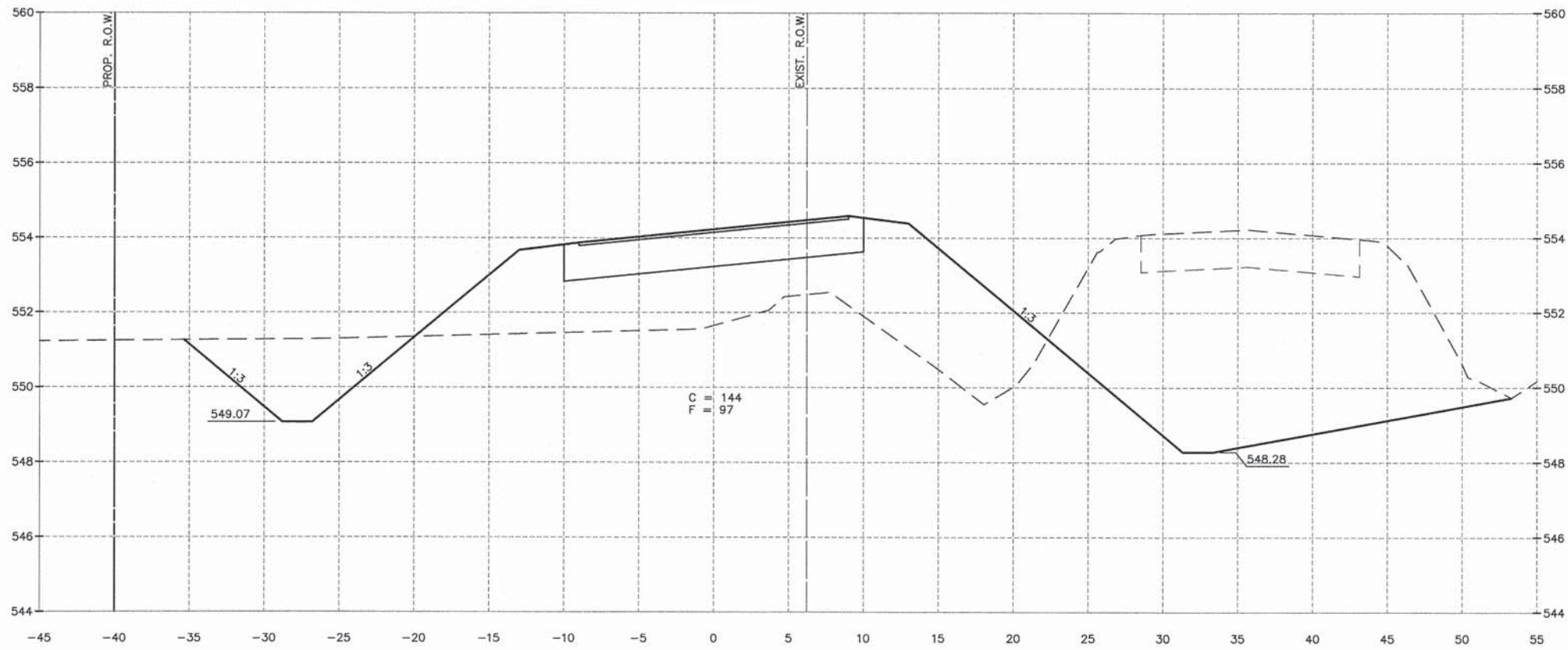
CONSTRUCTION PLANS

CURRENT AS OF: 04/01/2015	SHEET 30
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104+00.00



103+50.00

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DATE: 01/14				


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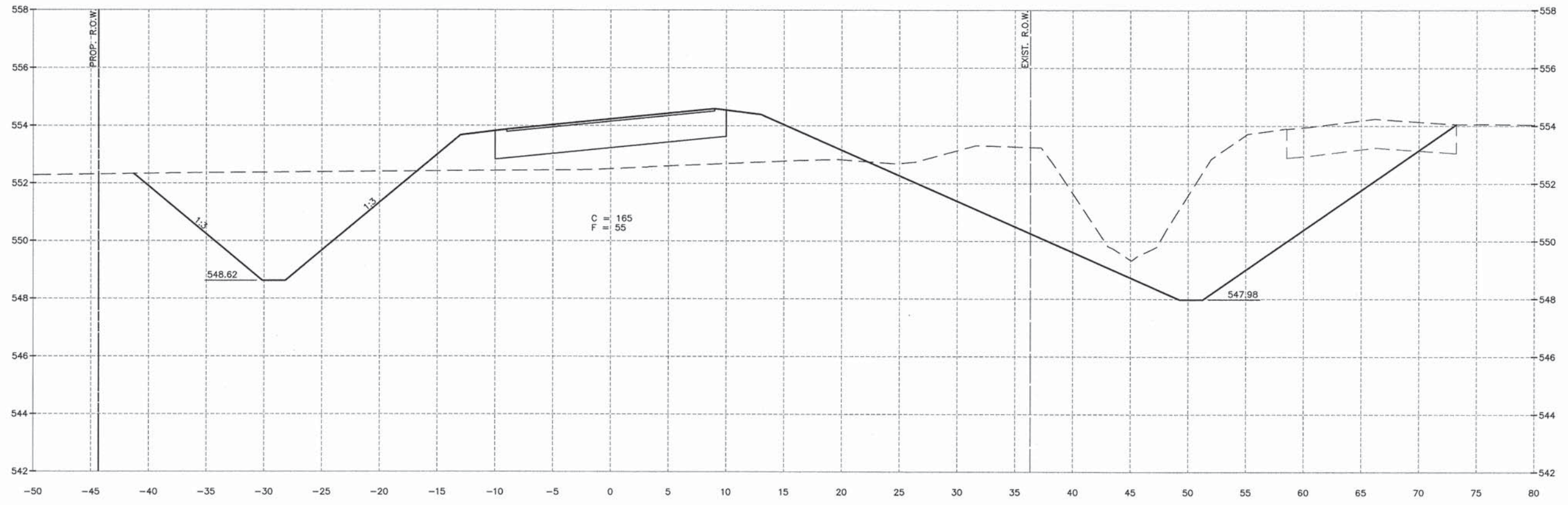
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 SECTION 09-10116-00-BR
 GRUNDY COUNTY

CROSS SECTIONS

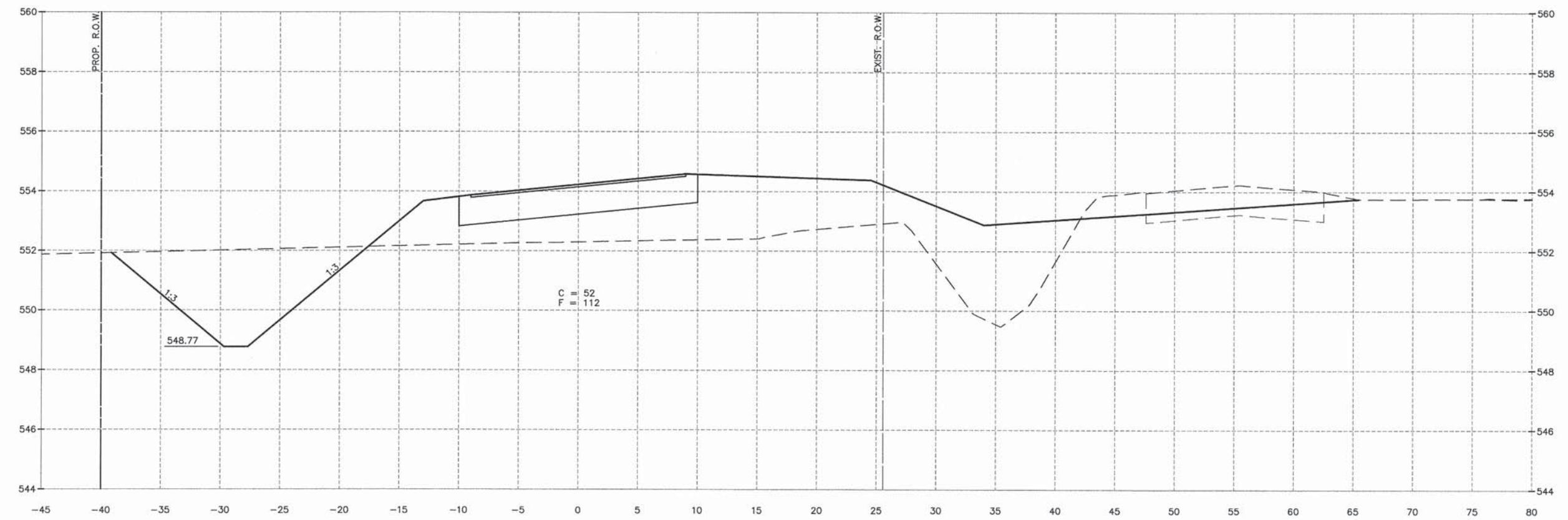
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 CURRENT AS OF: 04/01/2015
 SCALE: NONE SHEET 31
 FILE NO.: 11894.02 Y-2 OF 41

CONTRACT NO. 87500

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105+00.00



104+50.00

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DATE: 01/14				

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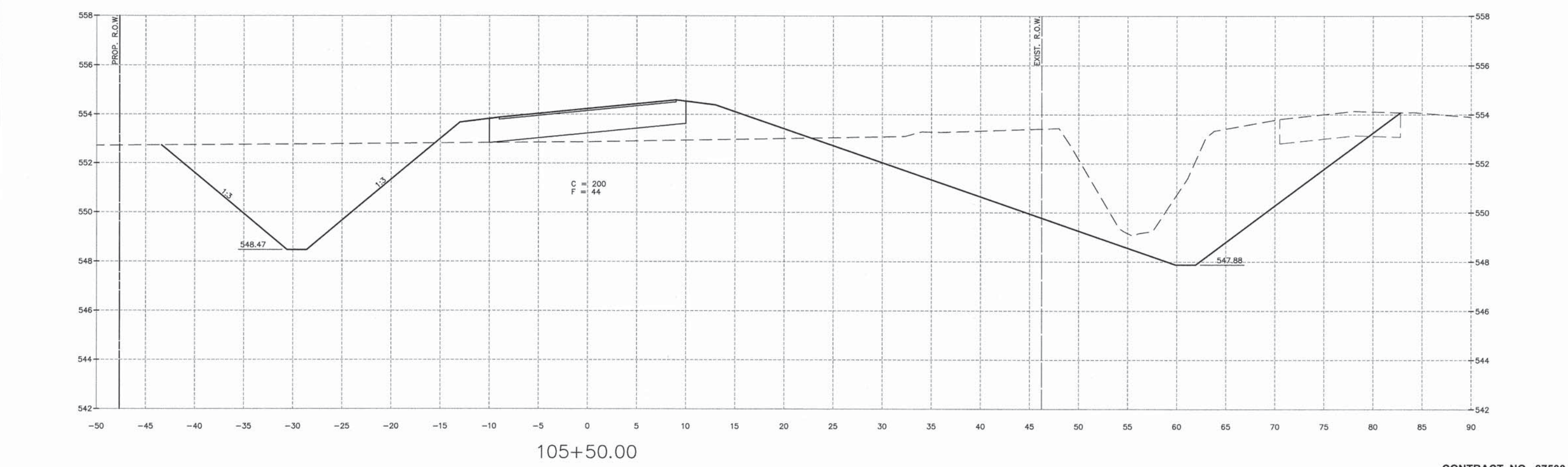
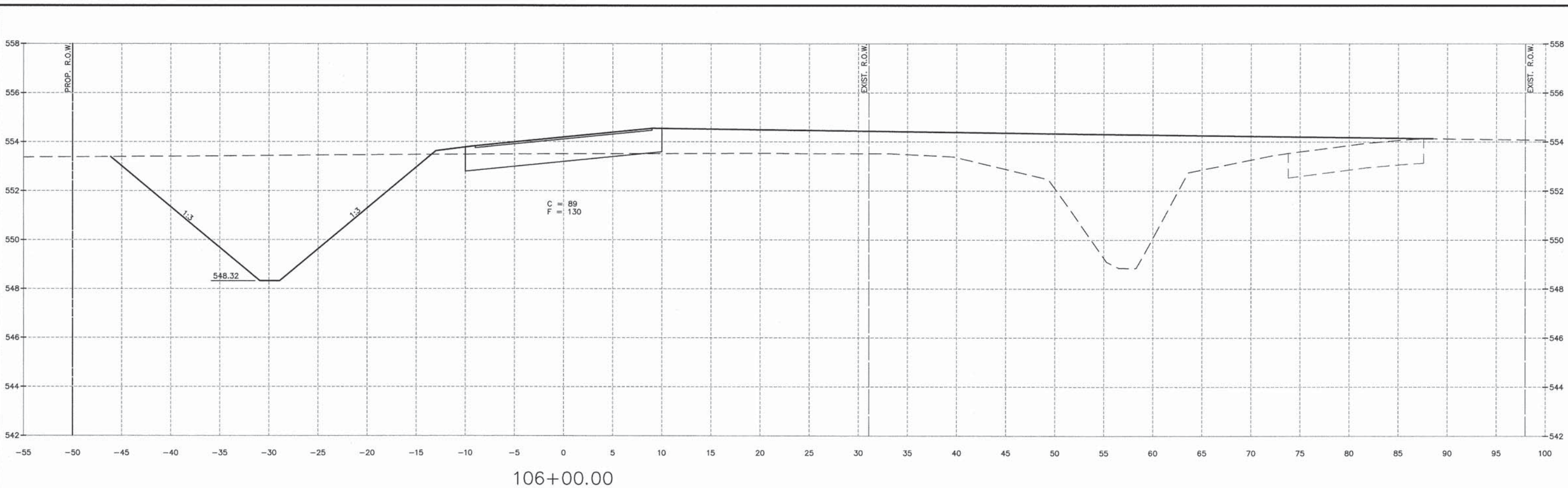
CONTRACT NO. 87500
 PROJECT NO. BROS-0063 (100)
 SECTION 09-10116-00-BR
 GRUNDY COUNTY

CROSS SECTIONS

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SCALE: NONE	SHEET 32
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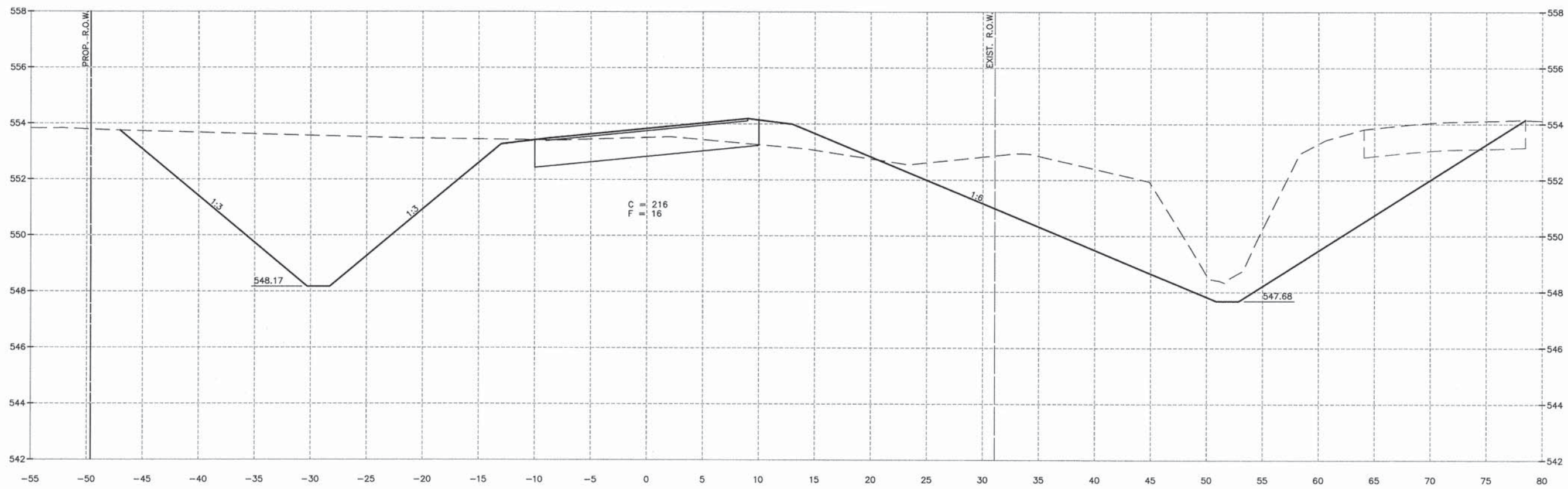
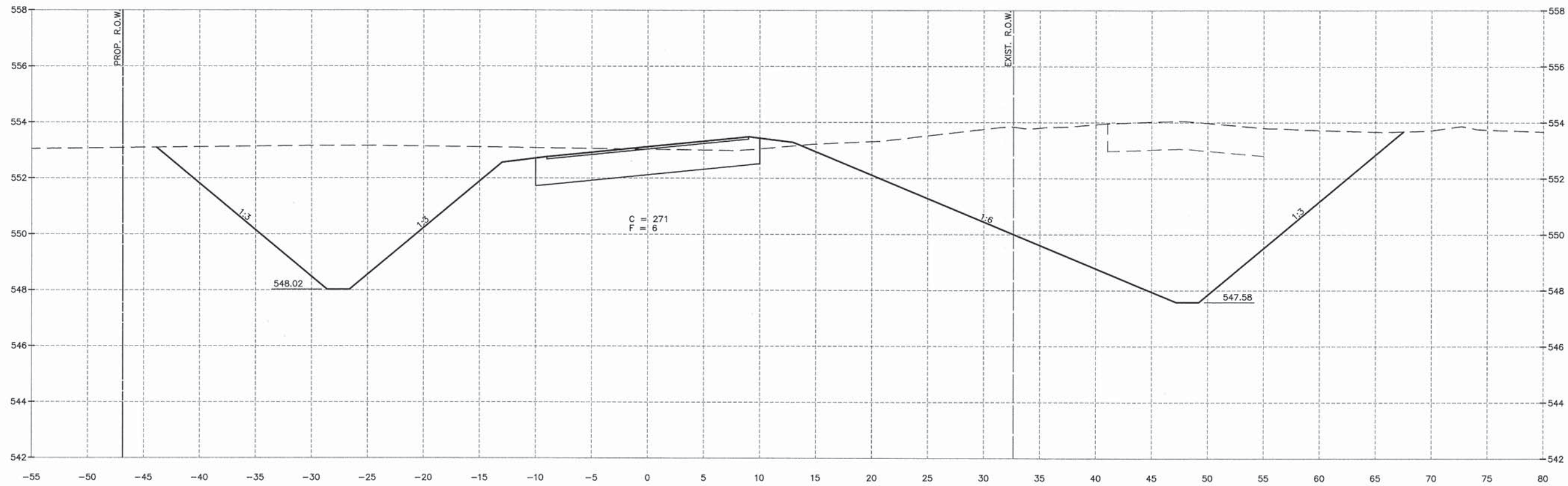
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 PROJECT NO. BROS-0063 (100)
 SECTION 09-10116-00-BR
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 Drawing Name: G:\Users\N111894\111894-02-CCHD-Springs-Rd-Bridge-and-Roadway-Improvements\CAD\C3D\BASE-6-6-12.dwg, Last Modified: Apr 01, 2015, 5:11pm Plotted on: Apr 01, 2015, 5:18pm by leg

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DATE: 01/14				

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CONTRACT NO. 87500
 PROJECT NO. BROS-0063 (100)
 SECTION 09-10116-00-BR
 GRUNDY COUNTY

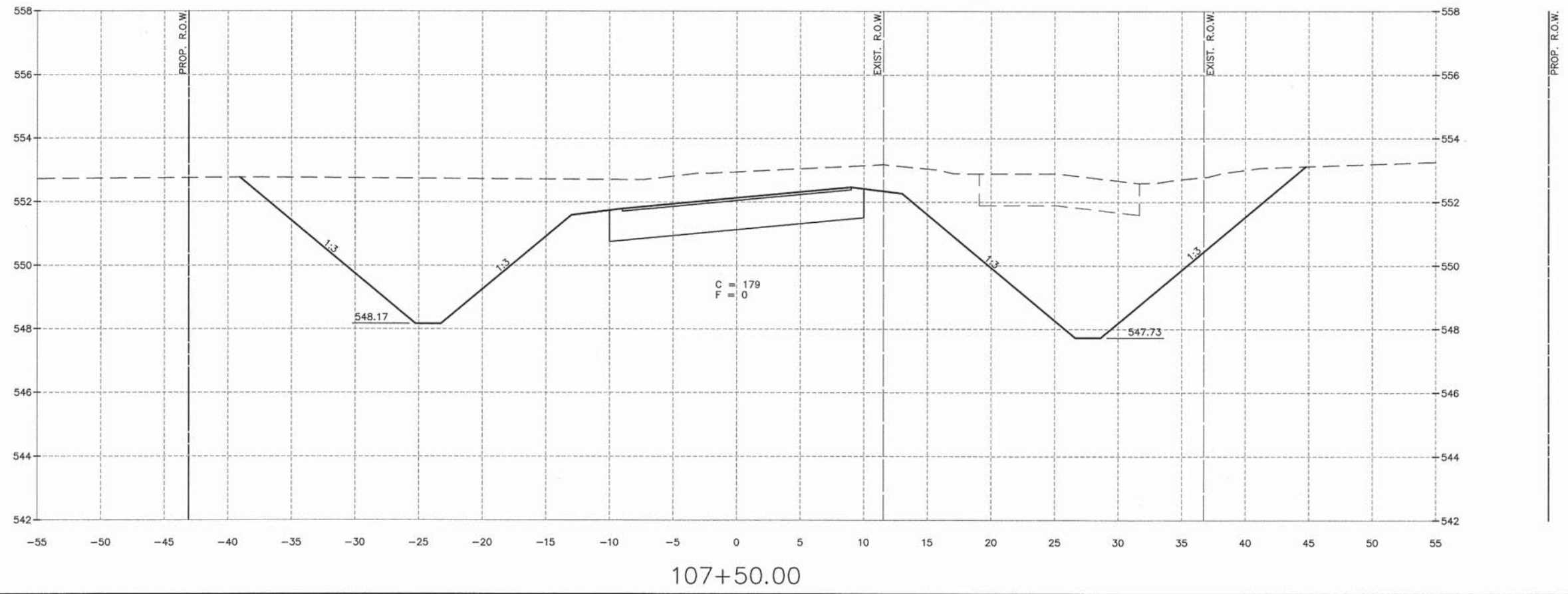
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SCALE: NONE	SHEET 34
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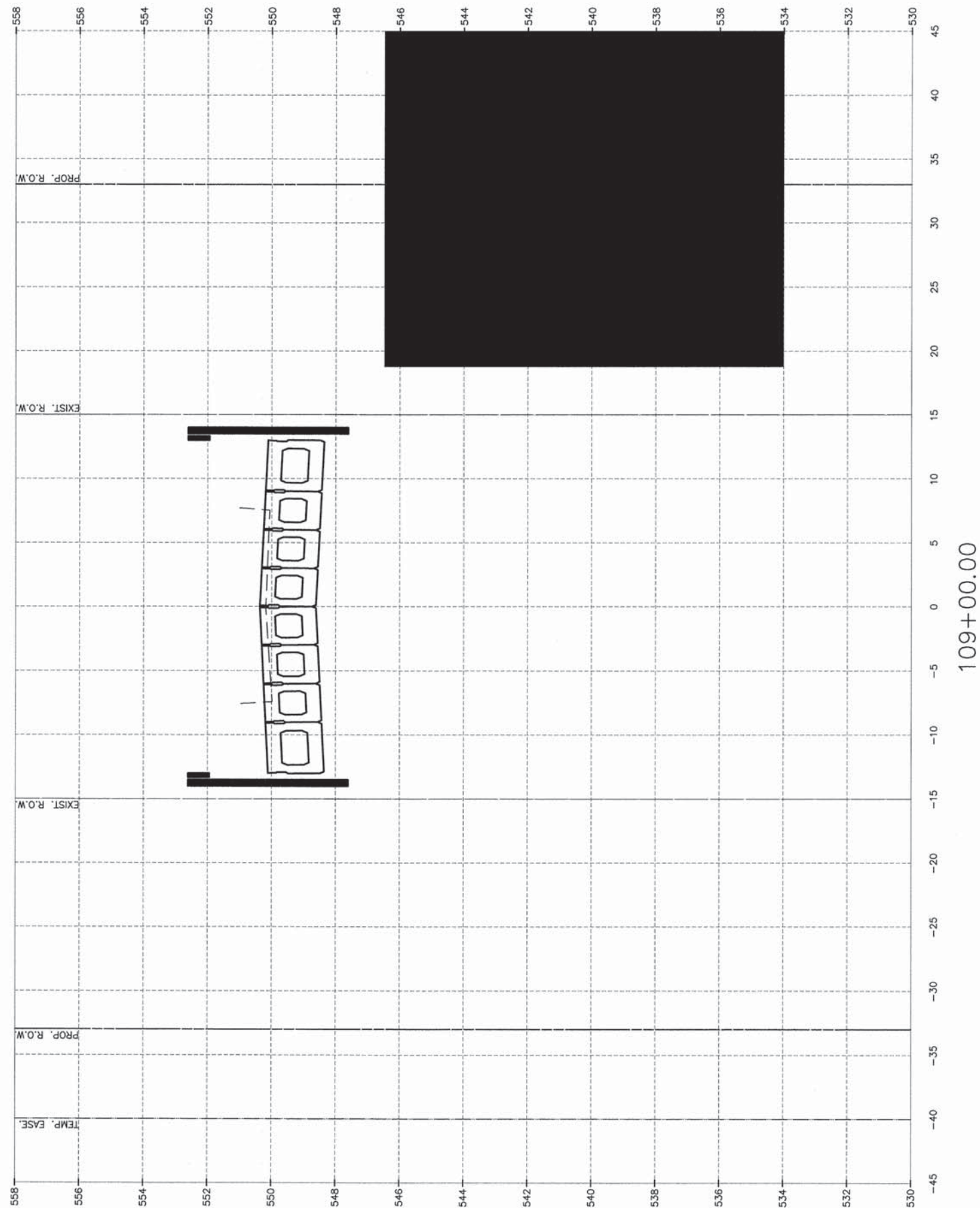
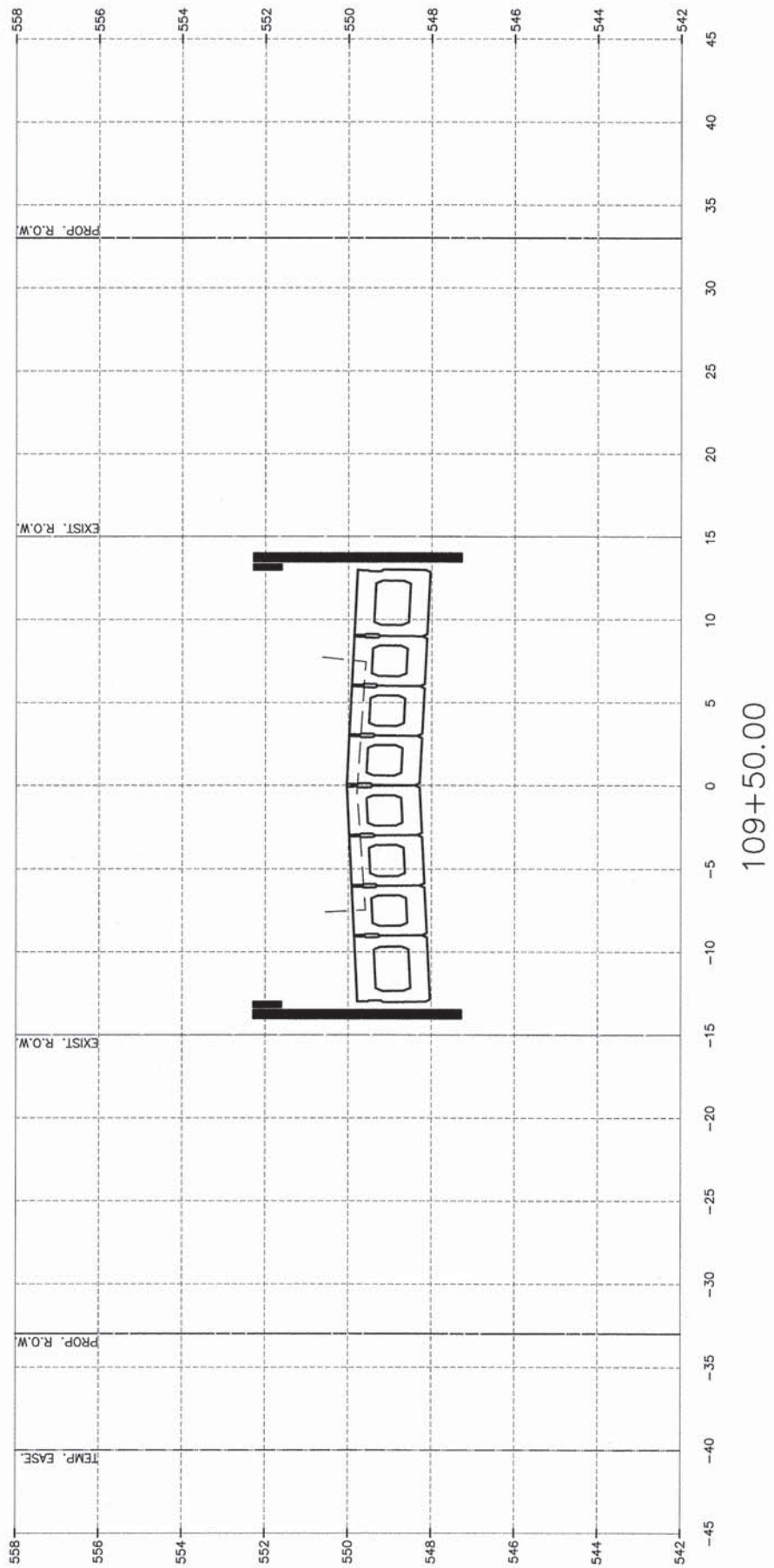
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	FILE NO.: 11894.02 Y-2	OF 41

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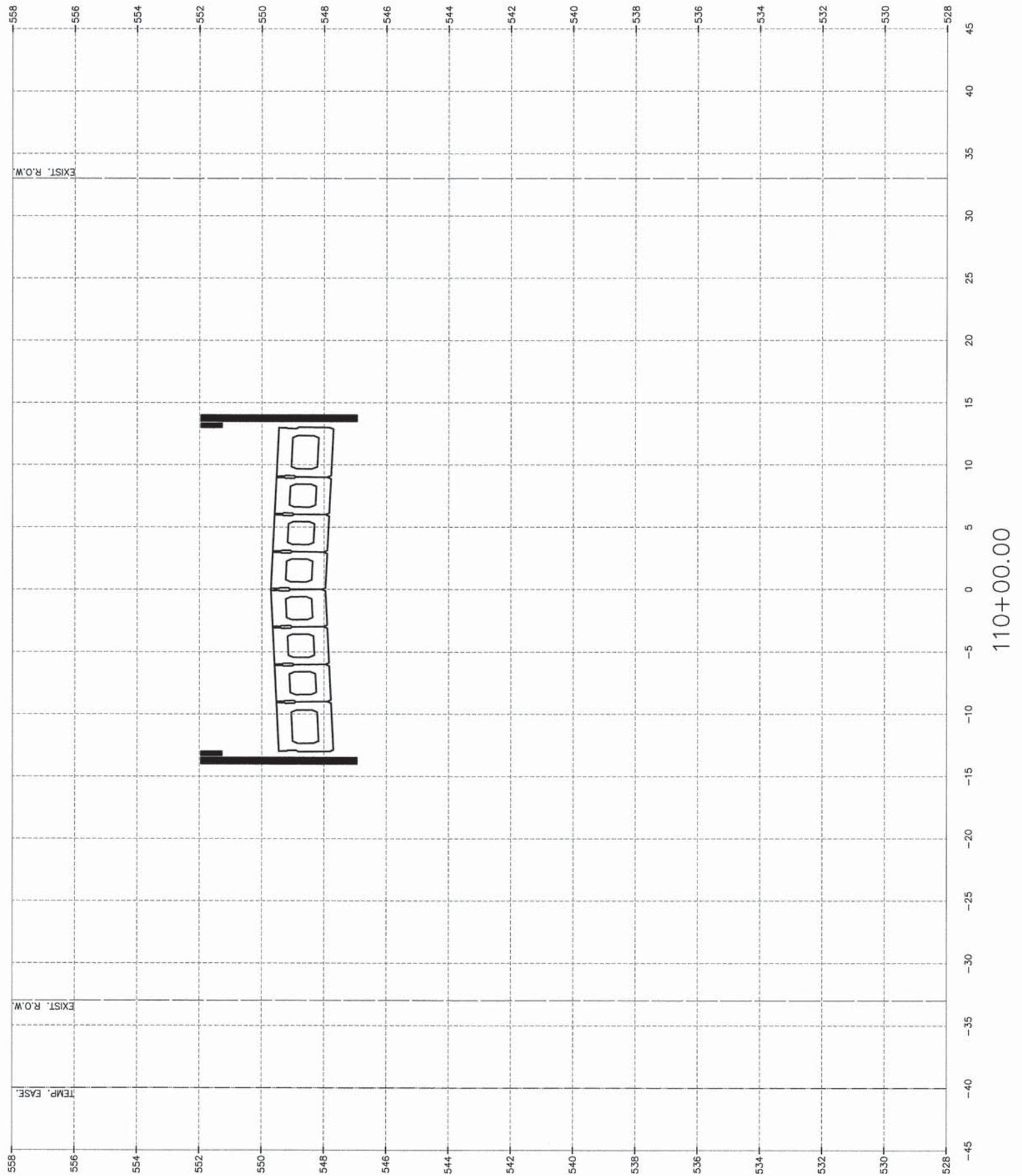
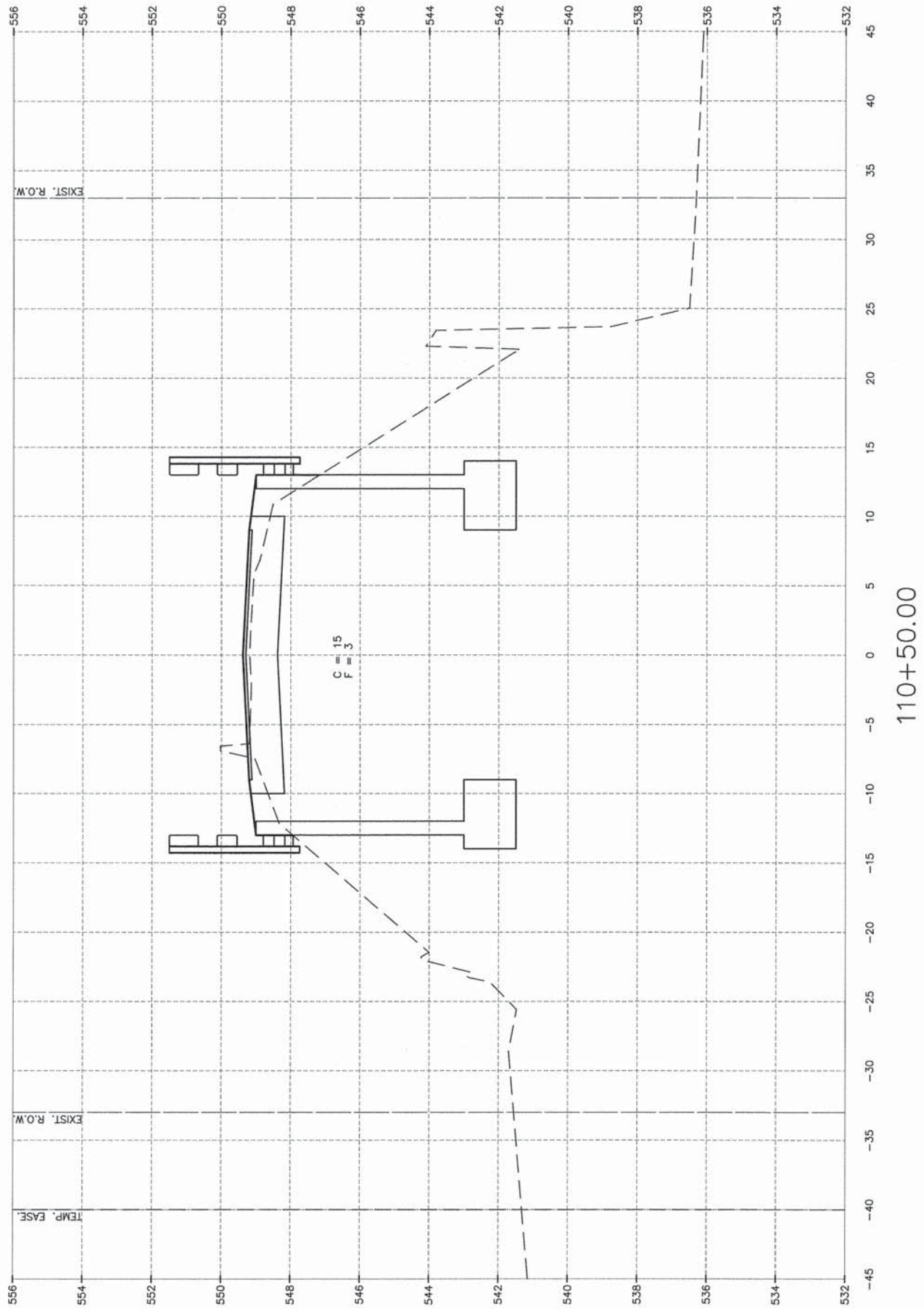
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DATE: 01/14			

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PROJECT NO. BROS-0063 (100)
SECTION 09-10116-00-BR
GRUNDY COUNTY

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