

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PLANS FOR PROPOSED
 MAJOR BRIDGE PROGRAM
 MORGAN COUNTY

ROAD DISTRICT NO. 6 SECTION 06-06120-00-BR
 TOWNSHIP ROAD 134A OVER MAUVAISE TERRE CREEK
 PROJECT NO. BROS-0137(027)
 JOB NUMBER C-96-224-07

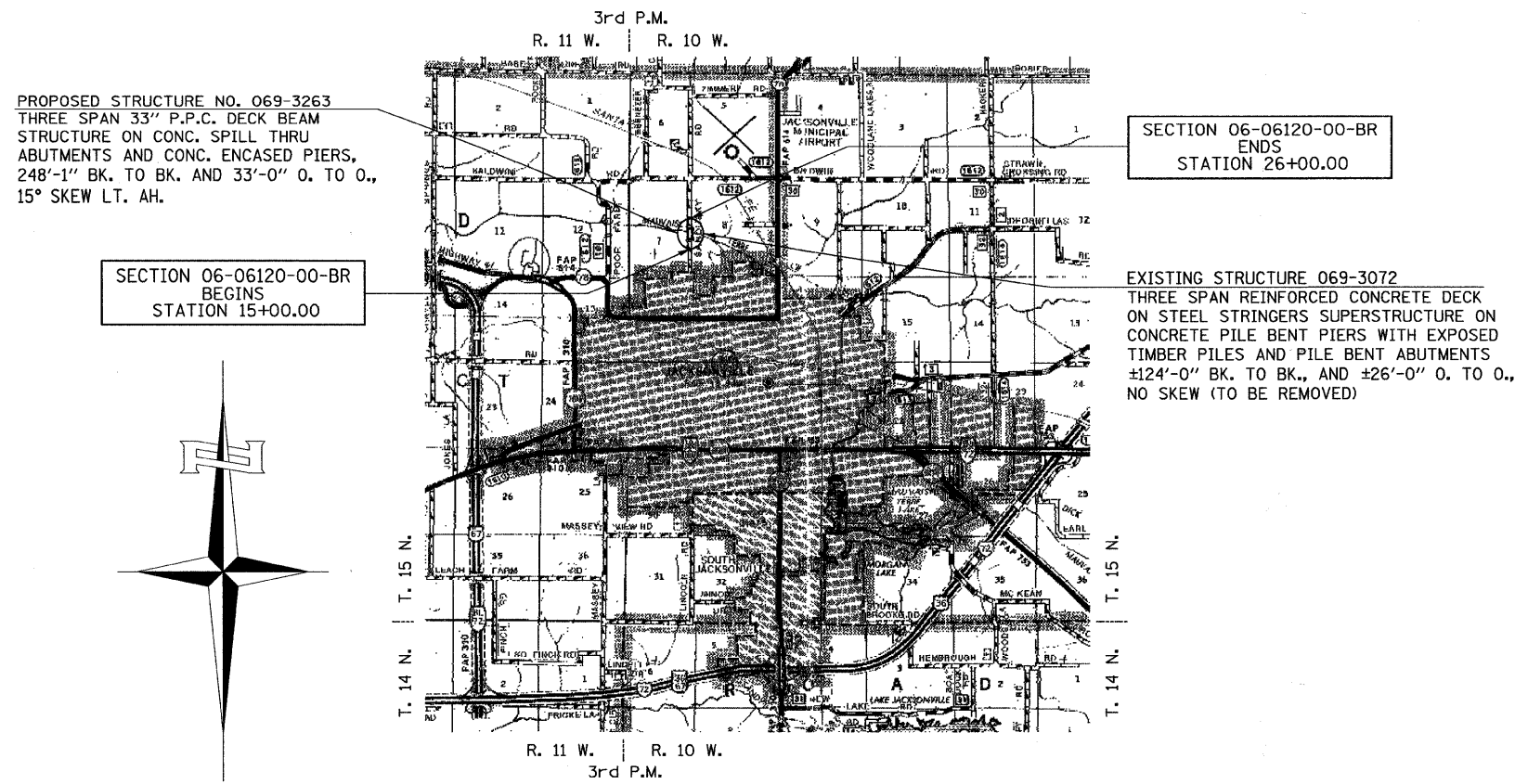
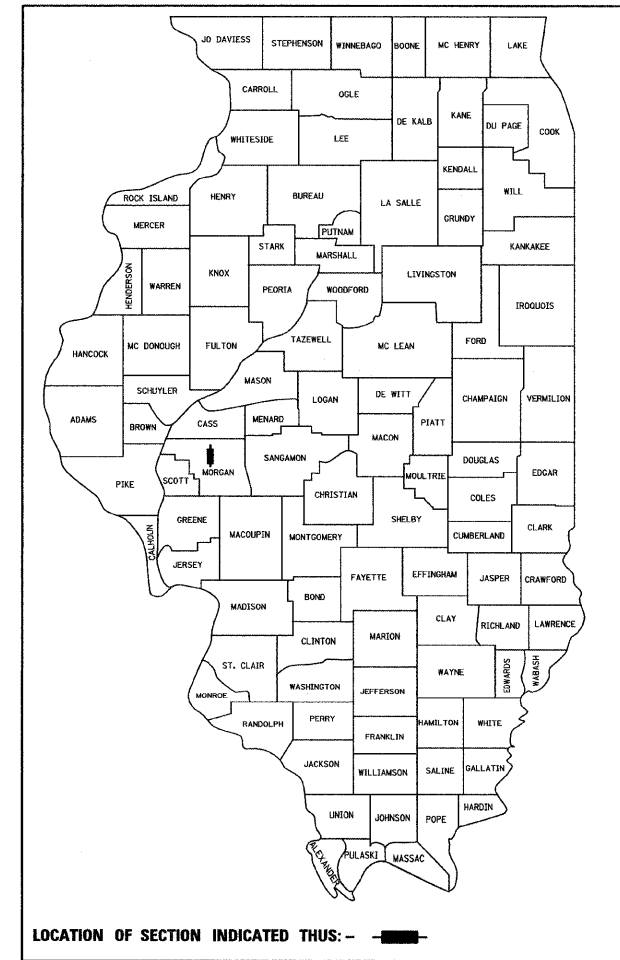
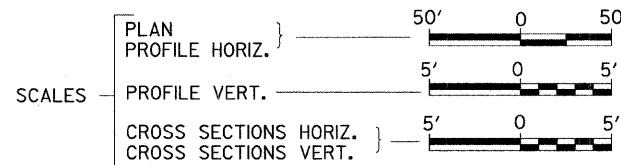
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 134A	*	MORGAN	28	1
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT BROS-0137(027)	
*06-06120-00-BR		CONTRACT * 93481		

INDEX OF SHEETS

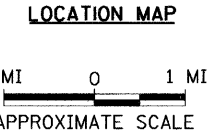
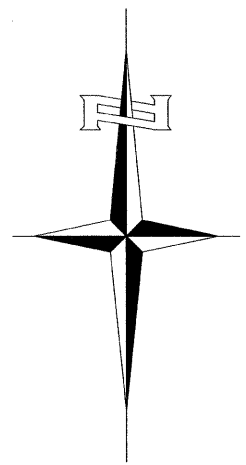
SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	GENERAL NOTES, DETAILS, TYPICAL SECTIONS
3.	SUMMARY OF QUANTITIES, SCHEDULES OF QUANTITIES
4.	TRAFFIC CONTROL PLAN
5.	STORM WATER POLLUTION PREVENTION PLAN
6.	PLAN AND PROFILE
7.-18.	STRUCTURE PLANS
19.-28.	CROSS SECTIONS

REQUIRED HIGHWAY STANDARDS

- 000001-05
- 280001-04
- 515001-03
- 542301-02
- 602301-02
- 604036-02
- 630301-07
- 635006-03
- 701006-03
- 701901-01
- BLR 21-8
- BLR 22-6
- BLR 24-2
- BLR 27-1



SECTION 06-06120-00-BR
 BEGINS
 STATION 15+00.00



NET LENGTH OF PROJECT = 1,100.00 FEET = 0.208 MILES
 DESIGN CLASSIFICATION: MINOR-COLLECTOR (NON-URBAN)
 DESIGN ADT = 850 (2029)
 DESIGN SPEED = 50 MPH

Hutchison Engineering, Inc.
 JACKSONVILLE ILLINOIS
 2008 JOB#2459

Professional Engineer Seal for Roger S. Hutchison, No. 58335, State of Illinois.

APPROVED	<i>Dec 26</i>	2008
ROAD DISTRICT NO. 6 HIGHWAY COMMISSIONER		
APPROVED	<i>Dec 26</i>	2008
MORGAN COUNTY ENGINEER		
PASSED	<i>FEB 5</i>	2008
DISTRICT SIX ENGINEER OF LOCAL ROADS & STREETS		
PASSED	<i>February 4</i>	2008
DISTRICT SIX ENGINEER OF CONSTRUCTION		
Released For Bid Based on Limited Review	<i>FEB 5</i>	2008
DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER		
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		

UTILITY COMPANIES
 NORTH MORGAN WATER COOP
 JACKSONVILLE, ILLINOIS
 AMEREN IP
 BEARDSTOWN, ILLINOIS
 VERIZON
 JACKSONVILLE, ILLINOIS
 McLEOD USA
 DECATUR, ILLINOIS
 CALL J.U.L.I.E.
 BEFORE YOU DIG
 1-800-892-0123 OR 811
 ROAD DISTRICT NO. 6

CONTRACT NO. **93481**

GENERAL NOTES

PLAN QUANTITIES FOR TREE REMOVAL HAVE BEEN BASED ON ALL TREES WITHIN THE LIMITS OF CONSTRUCTION AS DESIGNATED ON THE PLAN & PROFILE SHEET. THIS QUANTITY MAY BE REVISED DURING CONSTRUCTION, AT THE DIRECTION OF THE ENGINEER, BY DELETING FROM THE TREE REMOVAL QUANTITIES, SUCH TREES THAT DO NOT INTERFERE WITH THE PROPOSED CONSTRUCTION.

THE REMOVAL OF EXISTING OIL & CHIP SURFACE AND GRAVEL OR CRUSHED STONE BASE COURSE WHICH MAY BE NECESSARY FOR THE CONSTRUCTION OF THE NEW BRIDGE SHALL BE REMOVED AS EARTH EXCAVATION AND NO COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.

ALL WASTE OR UNDESIRABLE MATERIAL AS IDENTIFIED BY THE ENGINEER SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY AT THE CONTRACTOR'S EXPENSE.

ALL EXISTING PRIVATELY OWNED UTILITIES REQUIRING ADJUSTMENT WILL BE MADE BY THE UTILITY COMPANY INVOLVED. WHERE NO PROVISIONS HAVE BEEN MADE FOR ADJUSTMENTS ON THE PLANS, NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCES CAUSED BY THE SAID UTILITY ADJUSTMENTS.

THE PROFILE GRADE ELEVATIONS SHOWN ON THE PLAN AND PROFILE SHEETS AND IN THE STATION CROSS SECTIONS ARE TO THE TOP OF THE FINISHED SURFACE.

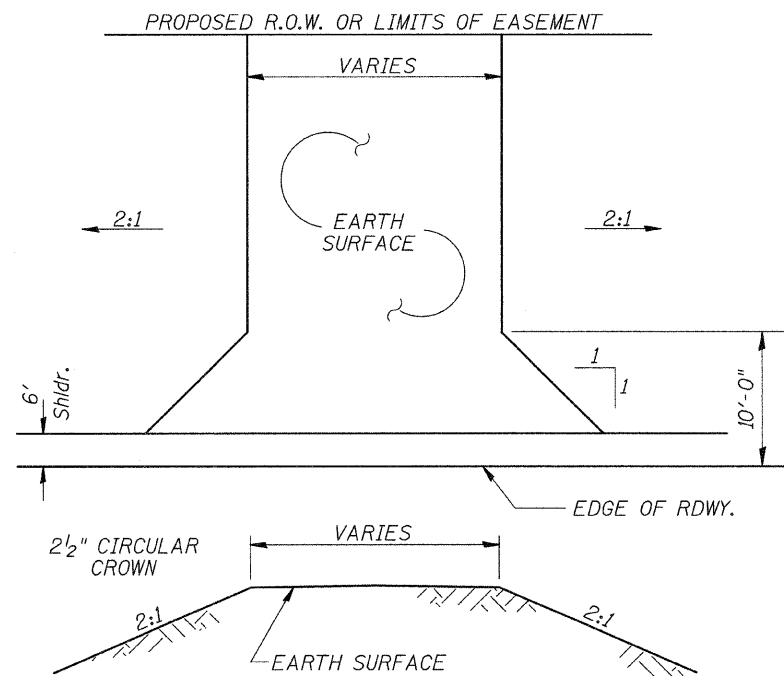
ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE COUNTY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMNIFY THE COUNTY, ITS OFFICERS AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO CORPORATE OR PRIVATE PROPERTY RESULTING FROM HIS CONSTRUCTION OPERATIONS AS DESCRIBED IN ARTICLES 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING AND TRENCHING OPERATIONS AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

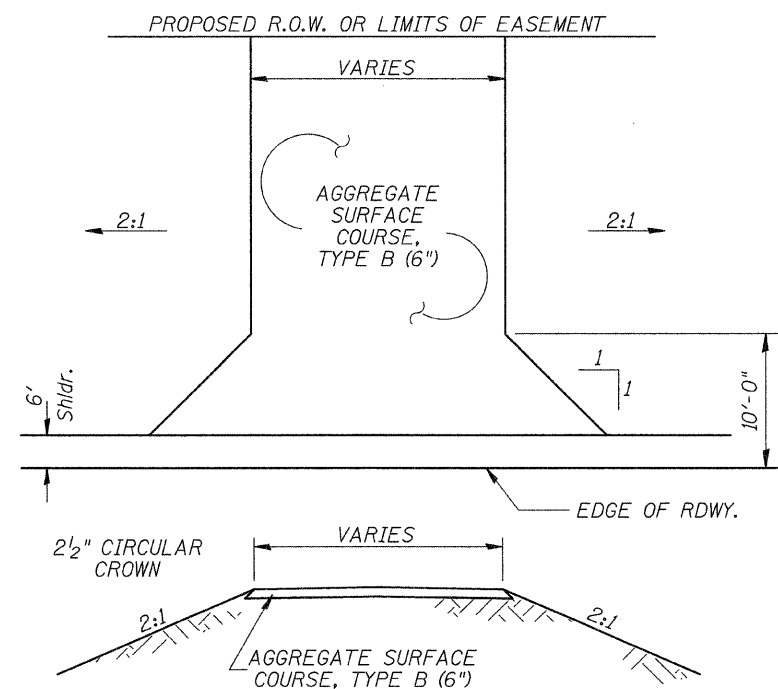
WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE PROPERTY MARKERS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT, HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

ALL ELEVATIONS SHOWN REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.



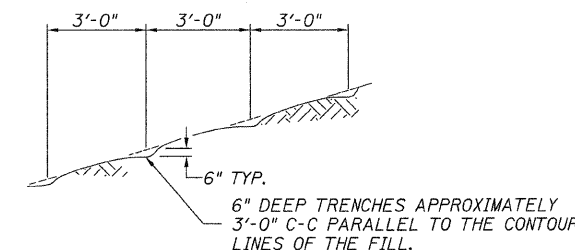
PROPOSED FIELD ENTRANCE/EARTH BERM

STA 16+05 RT - FIELD ENTRANCE (16' WIDE)
STA 18+65 LT - EARTH BERM (20' WIDE)

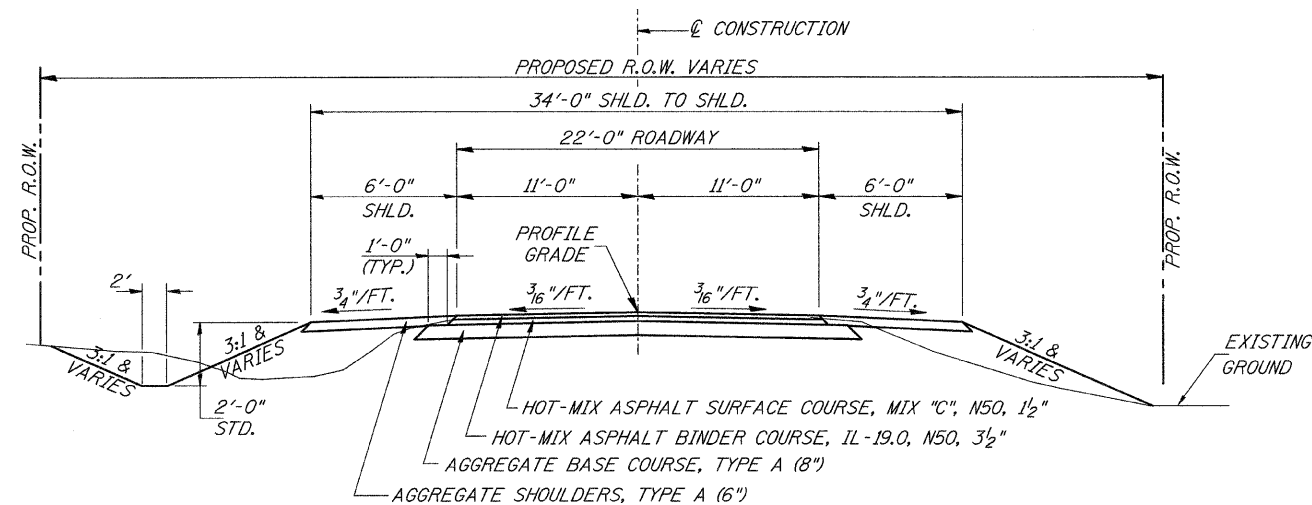


PROPOSED PRIVATE ENTRANCES

STA 23+00 RT (12' WIDE)
STA 23+52 LT (20' WIDE)
STA 25+44 LT (16' WIDE)



DETAIL OF CONTOUR PLOWING



PROPOSED TYPICAL SECTION

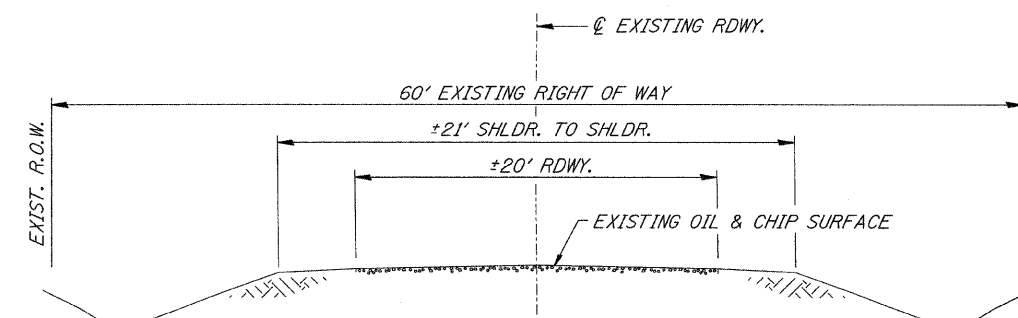
STA. 15+00.00 TO STA. 18+75.96
STA. 21+24.04 TO STA. 26+00.00
EXCEPT TRANSITIONS

BRIDGE OMISSION
STA. 18+75.96 TO STA. 21+24.04

CONSTRUCT GUARDRAIL
SHOULDER WIDENING IN
ACCORDANCE WITH STD 630301

**STRUCTURAL DESIGN INFORMATION
TOWNSHIP ROAD 134A**

ROAD CLASSIFICATION: CLASS III 73,280 lb./20 YEAR DESIGN
STRUCTURAL DESIGN TRAFFIC:
PV = 748 SU = 59 MU = 43
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 88% S = 7% M = 5%
MINIMUM SUBGRADE SUPPORT RATING: GRANULAR
FLEXIBLE PAVEMENT DESIGN: MINIMUM TF = 0.187
ASPHALT PAVEMENT THICKNESS: 5"
AGGREGATE BASE COURSE, TYPE A: 8"



EXISTING TYPICAL SECTION

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE USE	BINDER	INCIDENTAL SURFACING	SURFACE (MIX "C")
AC/PG	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4% @ N50	4% @ N50	4% @ N50
MIX COMPOSITION	IL-19.0	IL-12.5 OR IL-9.5	IL-12.5 OR IL-9.5

If RAP option is selected, the asphalt cement grade may need to be adjusted. This will be determined by the Engineer.

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	63
20100500	TREE REMOVAL, ACRES	ACRE	0.2
20200100	EARTH EXCAVATION	CU YD	1,280
20300100	CHANNEL EXCAVATION	CU YD	4,050
20400800	FURNISHED EXCAVATION	CU YD	5,035
20800150	TRENCH BACKFILL	CU YD	13
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.8
25100630	EROSION CONTROL BLANKET	SQ YD	98
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,000
28000300	TEMPORARY DITCH CHECKS	EACH	21
28000400	PERIMETER EROSION BARRIER	FOOT	1,505
28000500	INLET AND PIPE PROTECTION	EACH	2
28000510	INLET FILTERS	EACH	2
28100209	STONE RIPRAP, CLASS A5	TON	1,500
28200200	FILTER FABRIC	SQ YD	1,665
28300400	AGGREGATE DITCH	TON	111
35100100	AGGREGATE BASE COURSE, TYPE A	TON	1,012
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	67
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,094
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	417
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	257
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	5
48100100	AGGREGATE SHOULDERS, TYPE A	TON	356
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50105220	PIPE CULVERT REMOVAL	FOOT	134
50200100	STRUCTURE EXCAVATION	CU YD	185
50300225	CONCRETE STRUCTURES	CU YD	148.0
50300280	CONCRETE ENCASMENT	CU YD	10.8
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	8,118
50800105	REINFORCEMENT BARS	POUND	11,810
* 50900205	STEEL RAILING, TYPE S-1	FOOT	496
51200959	FURNISHING METAL SHELL PILES 14" x 0.312"	FOOT	1,724
51202305	DRIVING PILES	FOOT	1,724
51203200	TEST PILE METAL SHELLS	EACH	4
51204650	PILE SHOES	EACH	28
51500100	NAME PLATES	EACH	1
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	144
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	910
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	625
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	24.2
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	2
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
67100100	MOBILIZATION	L SUM	1
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
① X0322033	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	204
① X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 1	EACH	1
① X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 2	EACH	1
① Z0013798	CONSTRUCTION LAYOUT	L SUM	1

① SEE SPECIAL PROVISIONS

CONSTRUCTION CODE TYPE: X081-2A

NOTE: PAVEMENT MARKING BY OTHERS

* SPECIALTY ITEMS

PERIMETER EROSION BARRIER

STATION TO STATION	SIDE	FOOT
15+00 - 18+80	LEFT	565
15+90 - 18+70	RIGHT	310
21+20 - 23+20	RIGHT	285
21+30 - 23+90	LEFT	305
25+25 - 25+65	LEFT	40
TOTAL		1,505

EROSION CONTROL BLANKET

STATION TO STATION	SIDE	WIDTH	LENGTH	AREA (SQ YD)
23+83 - 25+30	LEFT	6'	147'	98
TOTAL				98

TREE REMOVAL, ACRES

STATION TO STATION	SIDE	WIDTH	LENGTH	AREA (ACRE)
20+50 - 23+25	LEFT	30'	275'	0.2
TOTAL				0.2

TREE REMOVAL

STATION	OFFSET	SIDE	6 TO 15 UNITS
19+48	55'	LEFT	15
21+80	21'	LEFT	12
22+98	25'	LEFT	8
24+61	30'	RIGHT	10
25+38	32'	RIGHT	8
25+42	32'	RIGHT	10
TOTAL			63

PAVEMENT SCHEDULE

STATION TO STATION	WIDTH	LENGTH	AGGREGATE BASE COURSE, TYPE A	PRIME COAT GALLON 0.50 GAL/SQ.YD	HOT-MIX ASPHALT BINDER CSE TON 112#/SQ YD/IN	HOT-MIX ASPHALT SURF CSE TON 112#/SQ YD/IN	INC HOT-MIX ASPHALT SURF TON 112#/SQ YD/IN
15+00.00 - 15+50.00	24.40' AVG.	50.00'	57				
15+50.00 - 18+75.96	25.50'	325.96'	390				
21+24.04 - 25+50.00	25.50'	425.96'	509				
25+50.00 - 26+00.00	23.95' AVG.	50.00'	56				
15+00.00 - 15+50.00	21.73' AVG.	50.00'		60			
15+50.00 - 18+75.96	22.83'	325.96'		413			
21+24.04 - 25+50.00	22.83'	425.96'		540			
25+50.00 - 26+00.00	21.28' AVG.	50.00'		59			
MAILBOX TURNOUT #1	4.00'	61.50'		14			*3
MAILBOX TURNOUT #2	4.00'	32.50'		8			*2
15+00.00 - 15+50.00	21.44' AVG.	50.00'			23		
15+50.00 - 18+75.96	22.54'	325.96'			161		
21+24.04 - 25+50.00	22.54'	425.96'			210		
25+50.00 - 26+00.00	20.99' AVG.	50.00'			23		
15+00.00 - 15+50.00	21.03' AVG.	50.00'				10	
15+50.00 - 18+75.96	22.13'	325.96'				68	
BRIDGE DECK	33.00'	248.08'				81	
21+24.04 - 25+50.00	22.13'	425.96'				88	
25+50.00 - 26+00.00	20.58' AVG.	50.00'				10	
TOTAL			1,012	1,094	417	257	5

* 2" PAVEMENT THICKNESS

STORM SEWER SCHEDULE

STATION TO STATION	SIDE	OFFSET	TYPE	STORM SEWER, W.M. REQMT	INLETS	PRECAST REINFORCED CONCRETE FLARED END SECTIONS	TRENCH BACKFILL
				12" FOOT	TYPE A, STD 602301 W/ TYPE 8 GRATE EACH		
23+51.00	LT	32.5	FES			1	
			SS	30			8
23+82.00	LT	26.3	INLET		1		
			SS	174			5
25+58.00	LT	22.8	INLET		1		
TOTALS				204	2	1	13

AGGREGATE SURFACE COURSE, TYPE B

STATION TO STATION	WIDTH	LENGTH	TON
ENTR. - 23+00 RT	12.5' & VAR.	70.30'	31
ENTR. - 23+52 LT	20.5' & VAR.	32.10'	24
ENTR. - 25+44 LT	16.5' & VAR.	19.30'	12
TOTAL			67

AGGREGATE DITCH**

STATION TO STATION	SIDE	WIDTH	TON	FILTER FABRIC (SQ YD)
22+65 - 22+84	RIGHT	6'	7	13
23+18 - 26+00	RIGHT	6'	97	188
23+25 - 23+45	LEFT	6'	7	13
TOTAL			111	214

** Aggregate Ditch shall conform to material type B-3 of the Standard Specifications

EARTHWORK SUMMARY

STATION TO STATION	EARTH EXCAVATION	CHANNEL EXCAVATION	STRUCTURE EXCAVATION	FILL	WASTE (SHORTAGE)
	CU YD	CU YD	CU YD	CU YD	CU YD
RDWY 15+00.00 - 18+75.96	412			2,180	(1,871)
RDWY 21+24.04 - 26+00.00	869			3,814	(3,162)
CHANNEL		4,052			
STRUCTURE			185		
TOTAL	1,281	4,052	185	5,994	(5,033)
USE	1,280	4,050	185	-	(5,035)

(@ 25% SHRINKAGE)

TEMPORARY DITCH CHECKS

STATION	SIDE	EACH
22+65	RIGHT	1
23+25	LEFT	1
23+40	RIGHT	1
23+60	RIGHT	1
23+80	RIGHT	1
24+00	RIGHT	1
24+05	LEFT	1
24+20	RIGHT	1
24+25	LEFT	1
24+40	RIGHT	1
24+45	LEFT	1
24+60	RIGHT	1
24+65	LEFT	1
24+80	RIGHT	1
24+85	LEFT	1
25+00	RIGHT	1
25+05	LEFT	1
25+20	RIGHT	1
25+40	RIGHT	1
25+60	RIGHT	1
25+80	RIGHT	1
TOTAL		21

PIPE CULVERT REMOVAL

STATION	SIZE	SIDE	FOOT
16+05	12"	RIGHT	30
23+00	15"	RIGHT	38
23+52	15"	LEFT	43
25+44	12"	LEFT	23
TOTAL			134

PIPE CULVERTS, CLASS D, TYPE 1 15"

STATION	SIDE	FOOT
23+00	RIGHT	110
23+00	RIGHT	34
TOTAL		144

INLET FILTERS

STATION	SIDE	EACH
23+82	LEFT	1
25+58	LEFT	1
TOTAL		2

INLET & PIPE PROTECTION

STATION	SIDE	EACH
15+90	RIGHT	1
23+18	RIGHT	1
TOTAL		2

AGGREGATE SHOULDERS, TYPE A

STATION TO STATION	SIDE	WIDTH	LENGTH	TON
15+00.00 - 15+50.00	LEFT	3.00' AVG.	50.00'	5
15+00.00 - 15+50.00	RIGHT	3.00' AVG.	50.00'	5
15+50.00 - 18+79.71	LEFT	6.00'	329.71'	69
15+50.00 - 17+74.29	RIGHT	6.00'	224.29'	47
17+74.29 - 17+98.29	RIGHT	8.00' AVG.	24.00'	7
17+98.29 - 18+33.29	RIGHT	10.00'	35.00'	12
18+33.29 - 18+37.29	RIGHT	9.67' AVG.	4.00'	1
18+37.29 - 18+58.29	RIGHT	9.33'	21.00'	7
18+58.29 - 18+71.09	RIGHT	9.08' AVG.	12.80'	4
21+28.91 - 21+41.71	LEFT	9.08' AVG.	12.80'	4
21+41.71 - 21+62.71	LEFT	9.33'	21.00'	7
21+62.71 - 21+66.71	LEFT	9.67' AVG.	4.00'	1
21+66.71 - 22+01.71	LEFT	10.00'	35.00'	12
22+01.71 - 22+25.71	LEFT	8.00' AVG.	24.00'	7
22+25.71 - 25+50.00	LEFT	6.00'	324.29'	68
21+20.29 - 25+50.00	RIGHT	6.00'	429.71'	90
25+50.00 - 26+00.00	LEFT	3.00' AVG.	50.00'	5
25+50.00 - 26+00.00	RIGHT	3.00' AVG.	50.00'	5
TOTAL				356

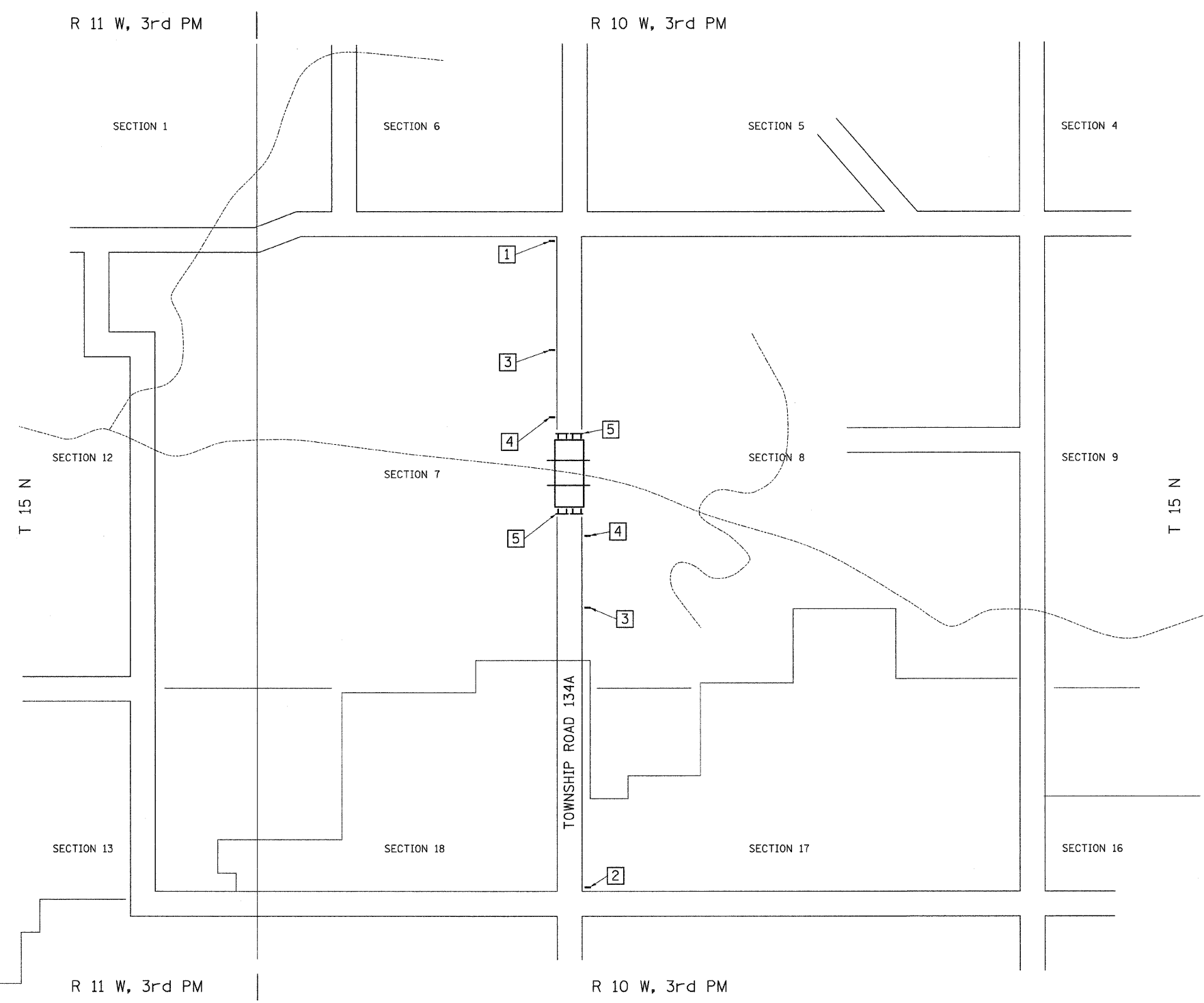
TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)

SIDE	STATION TO STATION	EACH
RIGHT	18+08.29 - 18+58.29	1
LEFT	21+41.71 - 21+91.71	1
TOTAL		2

TRAFFIC BARRIER TERMINAL, TYPE 5A

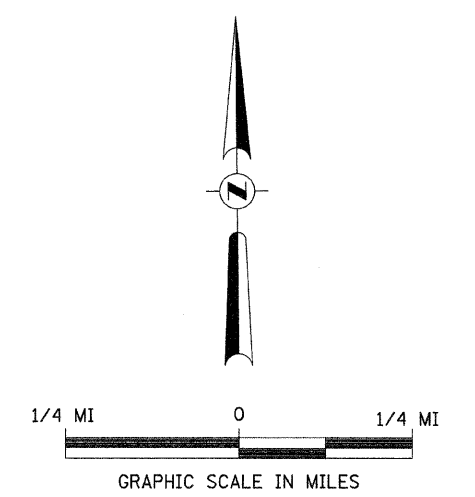
SIDE	STATION TO STATION	EACH
RIGHT	18+58.29 - 18+71.54	1
LEFT	21+28.46 - 21+41.71	1
TOTAL		2

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TR 134A	*	MORGAN	28	4
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT BROS-0137(027)		
*06-06120-00-BR			CONTRACT 93481	



- 1 ROAD CLOSED 1/2 MILE AHEAD LOCAL TRAFFIC ONLY
R11-3
- 2 ROAD CLOSED 1 MILE AHEAD LOCAL TRAFFIC ONLY
R11-3
- 3 ROAD CLOSED AHEAD
W20-3
- 4 ROAD CLOSED 500 FT
W20-3
- 5 TYPE III BARRICADES WITH 2 TYPE A WARNING LIGHTS

SEE STANDARD BLR 21 OR BLR 22 AND SPECIAL PROVISIONS

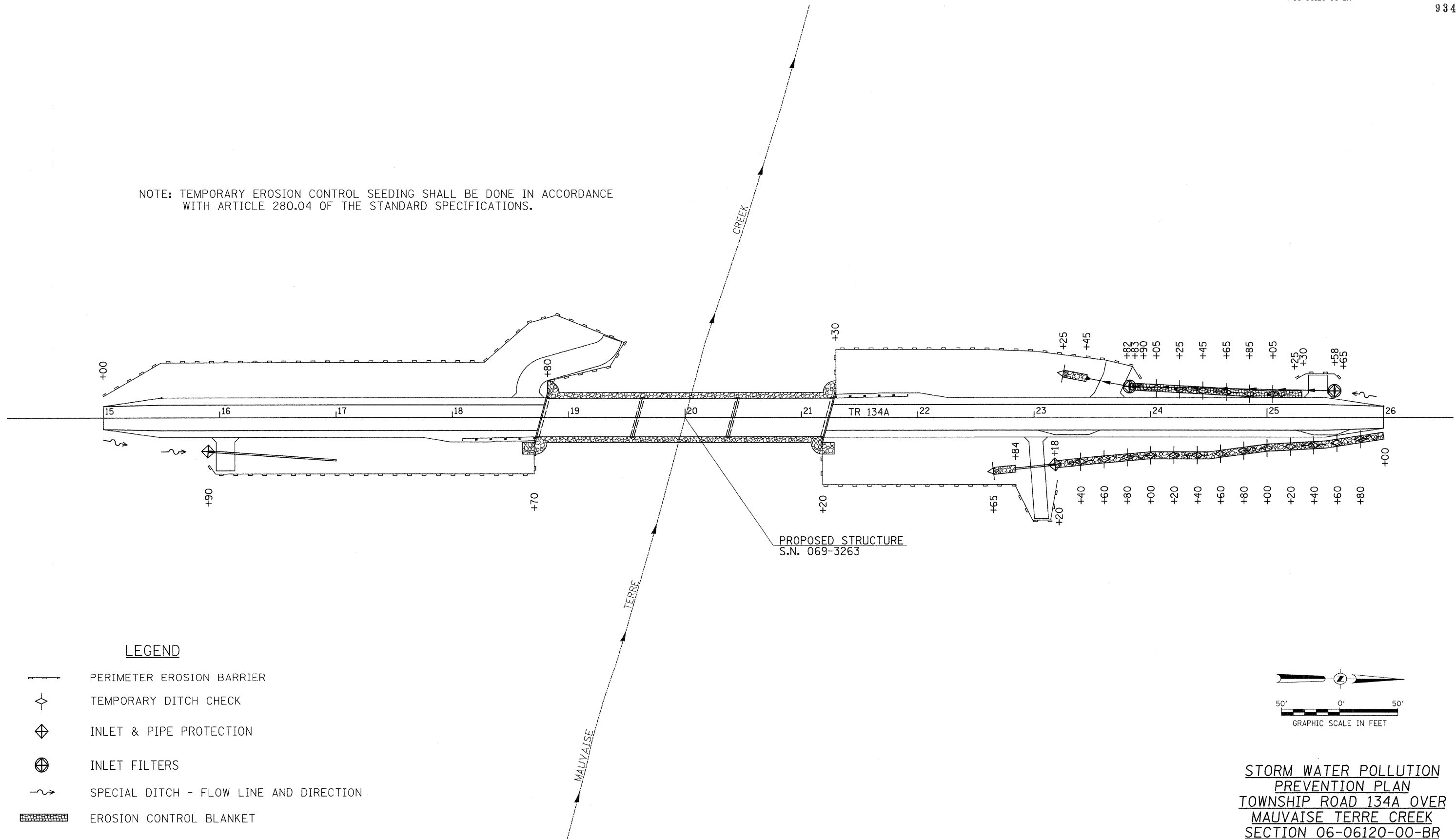


TRAFFIC CONTROL PLAN
TOWNSHIP ROAD 134A OVER
MAUVAISE TERRE CREEK
SECTION 06-06120-00-BR
MORGAN COUNTY
STATION 20+00.00

T 15 N, R 10 W, 3rd PM
SECTION 7







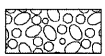
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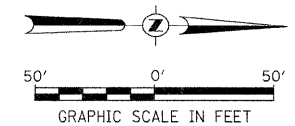
NOTE: TEMPORARY EROSION CONTROL SEEDING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 280.04 OF THE STANDARD SPECIFICATIONS.



PROPOSED STRUCTURE
S.N. 069-3263

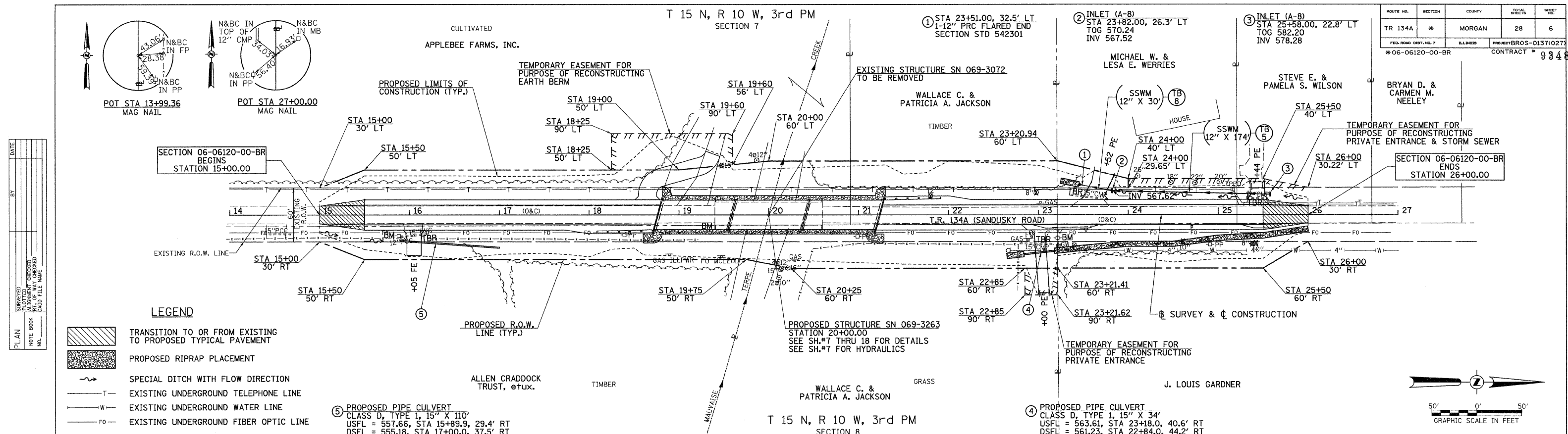
LEGEND

-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  INLET & PIPE PROTECTION
-  INLET FILTERS
-  SPECIAL DITCH - FLOW LINE AND DIRECTION
-  EROSION CONTROL BLANKET
-  PROPOSED RIPRAP / AGGREGATE DITCH PLACEMENT



**STORM WATER POLLUTION
PREVENTION PLAN
TOWNSHIP ROAD 134A OVER
MAUVAISE TERRE CREEK
SECTION 06-06120-00-BR
MORGAN COUNTY
STATION 20+00.00**

T 15 N, R 10 W, 3rd PM
SECTION 8



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 134A	*	MORGAN	28	6

FED. ROAD DIST. NO. 7 ILLINOIS PROJECT BROS-0137(027)
 *06-06120-00-BR CONTRACT # 99481

DATE	BY	REVISION

PLAN

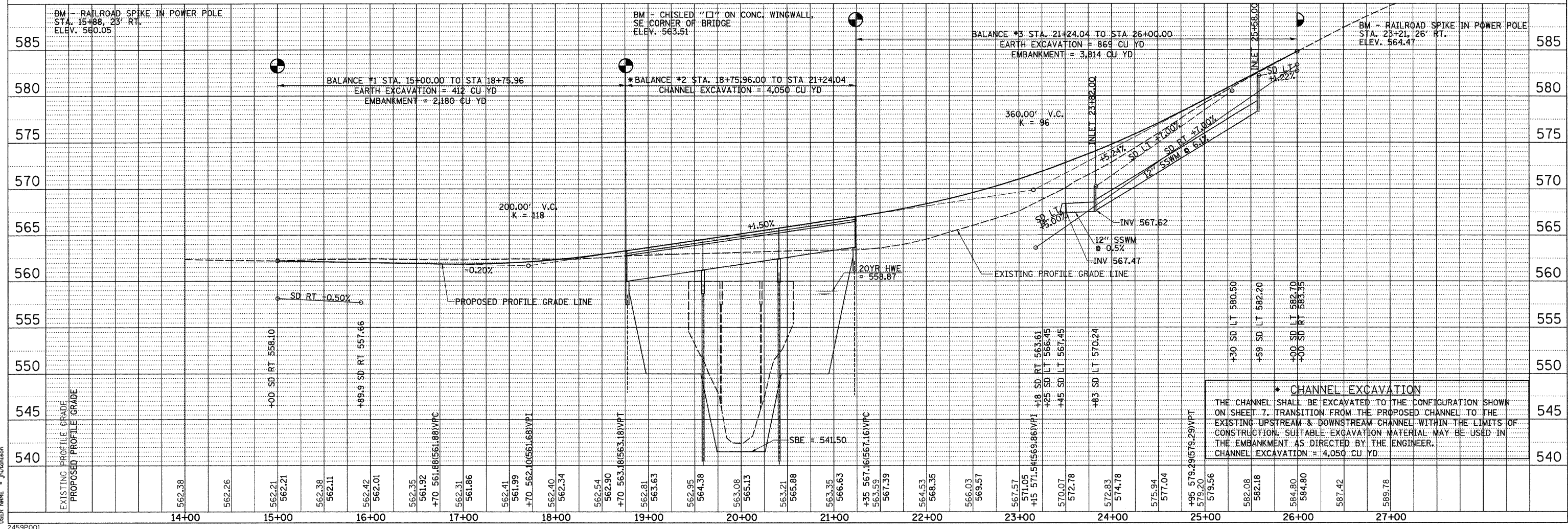
NO. FILE NAME

DATE	BY	REVISION

PROFILE

NO. NOTATIONS CHRD

PLOT DATE = 12/22/2008
 FILE SCALE = 1/8"=1'-0" Morgan/2459p001.dgn
 USER NAME = jwholmes



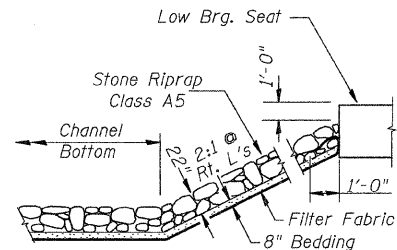
* CHANNEL EXCAVATION
 THE CHANNEL SHALL BE EXCAVATED TO THE CONFIGURATION SHOWN ON SHEET 7. TRANSITION FROM THE PROPOSED CHANNEL TO THE EXISTING UPSTREAM & DOWNSTREAM CHANNEL WITHIN THE LIMITS OF CONSTRUCTION. SUITABLE EXCAVATION MATERIAL MAY BE USED IN THE EMBANKMENT AS DIRECTED BY THE ENGINEER.
 CHANNEL EXCAVATION = 4,050 CU YD

B.M.: RR Spike in Power Pole
Sta. 15+88, 23' Rt.
Elev. 560.05

RR Spike in Power Pole
Sta. 23+21, 26' Rt.
Elev. 564.47

Existing Structure:
Three span reinforced concrete deck on steel stringer superstructure supported on concrete pile bent piers with exposed timber piles and concrete spill thru pile bent abutments. The structure is ±124' back to back of abutments, ±26' out to out of deck and is not skewed. Str. No. 069-3072

Salvage: None
Road to be closed to traffic during construction.



STONE RIPRAP DETAIL

MAUVAISE TERRE CREEK
BUILT 200 BY
ROAD DISTRICT NO. 6
MORGAN COUNTY
SEC. 06-06120-00-BR
T.R. 134A STATION 20+00.00
F.A. PROJ. BROS-0137(027)
STR. NO. 069-3263 LOADING HS20-44

NAME PLATE

Locate Name Plate at S.E. Wingwall
Corner of Bridge (See Std. 515001)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 134A	*	MORGAN	28	7
FED. ROAD DIST. NO. 7	BUILDING	PROJECT BROS-0137(027)		
*06-06120-00-BR			CONTRACT # 93481	

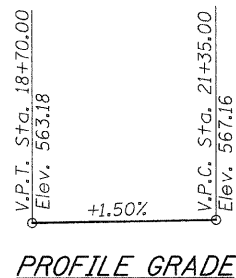
SHEET NO. 1
OF 12 SHEETS

GENERAL NOTES

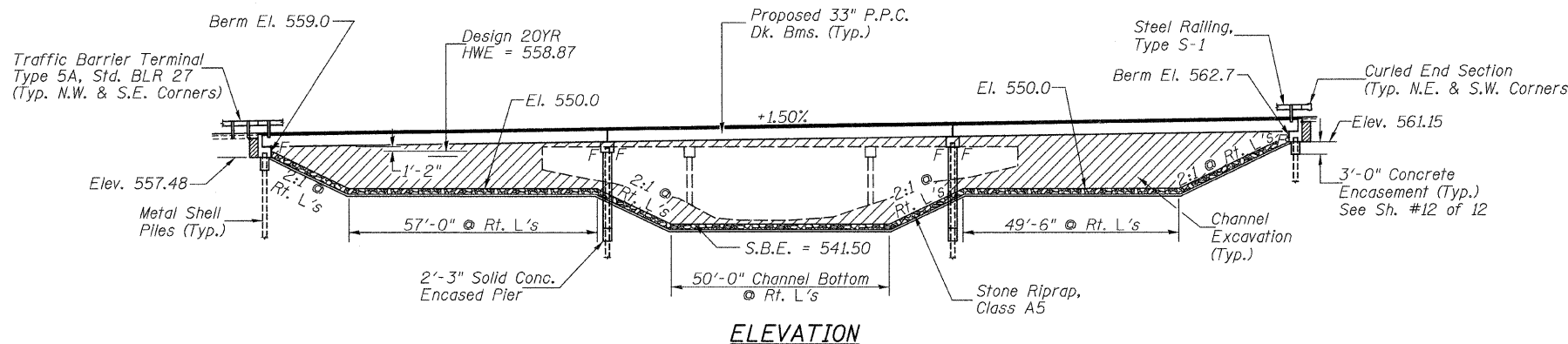
The Contractor shall drive test piles to 10% of the nominal required bearing specified in production locations at the substructures specified or approved by the Engineer before ordering the remainder of the piles.
For Soil Boring Logs, See Special Provisions.
A Corrosion Inhibitor shall be used in the concrete for Precast Prestressed Concrete Deck Beams according to Article 1020.05(b)(12) of the Standard Specifications.
Reinforcement Bars shall conform to the requirements of ASTM A706 Grade 60. See Special Provisions.
Reinforcement Bars designated (E) shall be epoxy coated.
Layout of the slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
The existing structural steel coating may contain lead. The contractor should take appropriate precautions to deal with the presence of lead on this project.
The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

TOTAL BILL OF MATERIAL

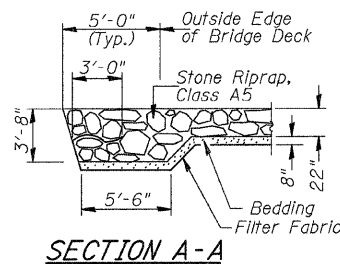
ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	CU YD	—	4,050	4,050
Stone Riprap, Class A5	TON	—	1,500	1,500
Filter Fabric	SQ YD	—	1,450	1,450
① Removal of Existing Structures	EACH	—	—	1
Structure Excavation	CU YD	—	185	185
Concrete Structures	CU YD	—	148.0	148.0
① Precast Prestressed Concrete Deck Beams (33" Depth)	SQ FT	8,118	—	8,118
① Reinforcement Bars	POUND	—	11,810	11,810
Steel Railing, Type S1	FOOT	496	—	496
Furnishing Metal Shell Piles 14"	FOOT	—	1,724	1,724
Driving Piles	FOOT	—	1,724	1,724
Test Pile Metal Shells	EACH	—	4	4
Pile Shoes	EACH	—	28	28
Concrete Encasement	CU YD	—	10.8	10.8
Name Plates	EACH	—	—	1
Waterproofing Membrane System	SQ YD	910	—	910
Portland Cement Mortar Fairing Course	FOOT	625	—	625
① Controlled Low-Strength Material	CU YD	—	24.2	24.2
Hot-Mix Asphalt Surface Course, Mix "C", NSO	TON	81	—	81
① Underwater Structure Excavation Protection-Location 1 (Pier #1)	EACH	—	1	1
① Underwater Structure Excavation Protection-Location 2 (Pier #2)	EACH	—	1	1
① See Special Provisions				



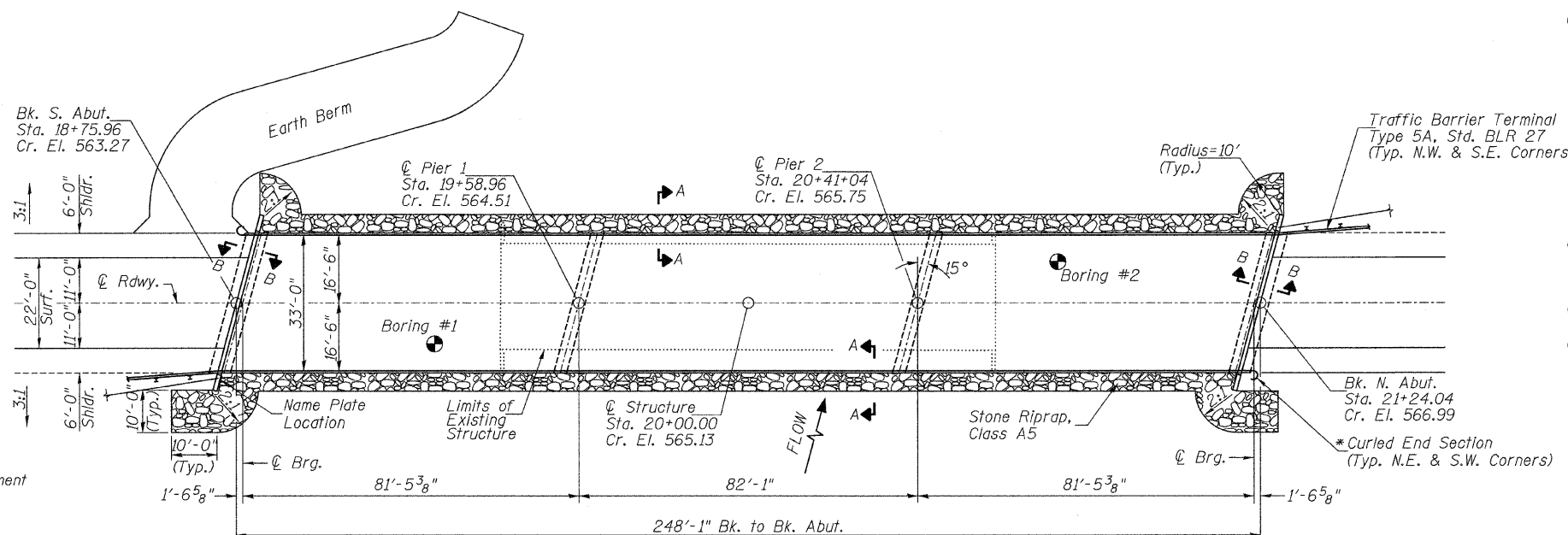
PROFILE GRADE



ELEVATION



SECTION A-A



PLAN

* Terminal Marker-Direct Applied to be placed on Curled End Sections in accordance with Std. 635006

DESIGN SPECIFICATIONS

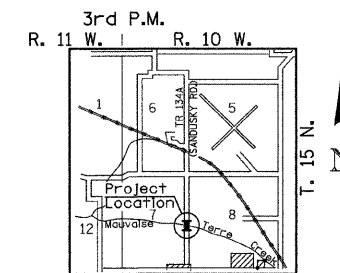
2002 AASHTO & Interims

DESIGN STRESSES

(FIELD UNITS) (PRECAST PRESTRESSED UNITS)
f'c = 3,500 p.s.i. f'c = 6,000 p.s.i.
fy = 60,000 p.s.i. (Rein.) f'ci = 5,000 p.s.i.
f's = 270,000 p.s.i. (1/2" Strands)
f'si = 201,960 p.s.i. (1/2" Strands)

LOADING HS20-44

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



LOCATION SKETCH



Joseph E. Hutter
Illinois Structural No. 6440
Expires 11/30/2010

GENERAL PLAN & ELEVATION
TOWNSHIP ROAD 134A OVER
MAUVAISE TERRE CREEK
SECTION 06-06120-00-BR
MORGAN COUNTY
STR. NO. 069-3263
STATION 20+00.00

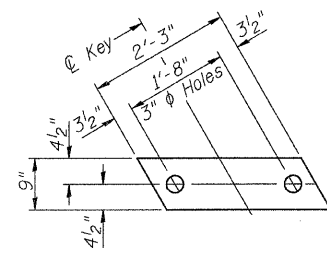
WATERWAY INFORMATION

Drainage Area = 109.7 Sq. Mi. Low Grade Elev. = 561.85 @ Sta. 16+93.14

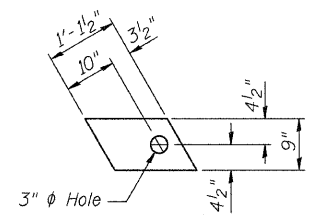
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Prop.	Nat. H.W.E. Exist.	Prop.	Head - Ft. Exist.	Prop.	Headwater El. Exist.	Prop.
Design	20	8,117	1,152	2,377	558.87	1.37	0.50	560.24	559.37	
Base	100	11,647	1,192	2,460	559.25	2.78	0.99	562.03	560.24	

Construction of this project complies with IDNR,
Office of Water Resources Statewide Permit No. 2

DESIGNED	J.E.H.
CHECKED	B.A.N.
DRAWN	C.E.T.
CHECKED	J.E.H.

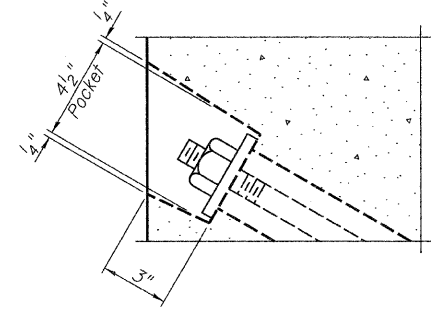


1/2" FABRIC BEARING PAD
(Interior) 60 required

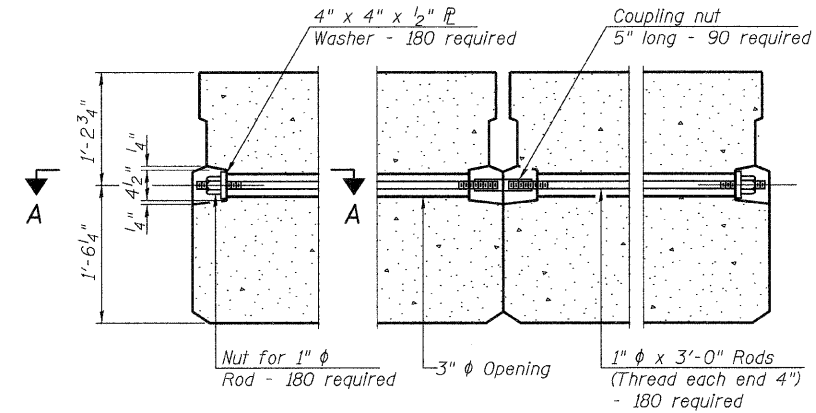


1/2" FABRIC BEARING PAD
(Exterior) 12 required

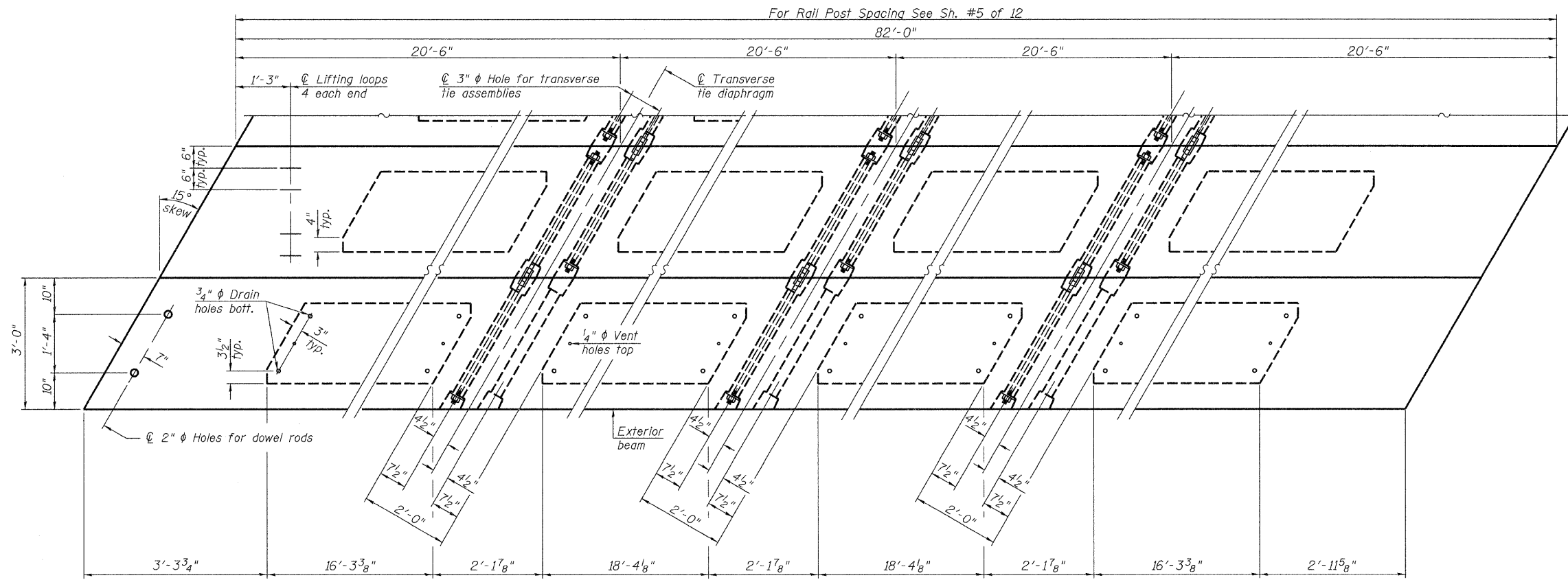
FIXED



SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY

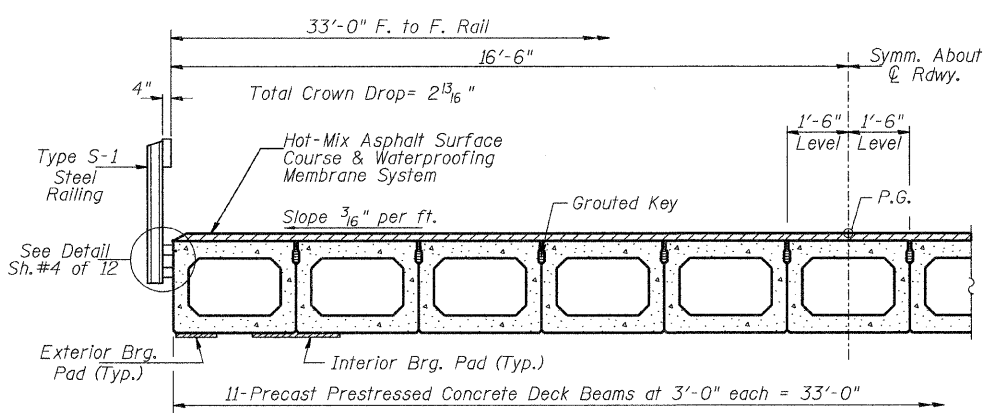


PLAN VIEW

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" ϕ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.
- Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions)
- Two 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" ϕ lifting pin shall be used to engage the lifting loops during handling.
- Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
- Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
- Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.
- Railpost anchor devices shall be cast into outside face of exterior beams. See Sh. #4 of 12 for details and Sh. #5 of 12 for spacing.

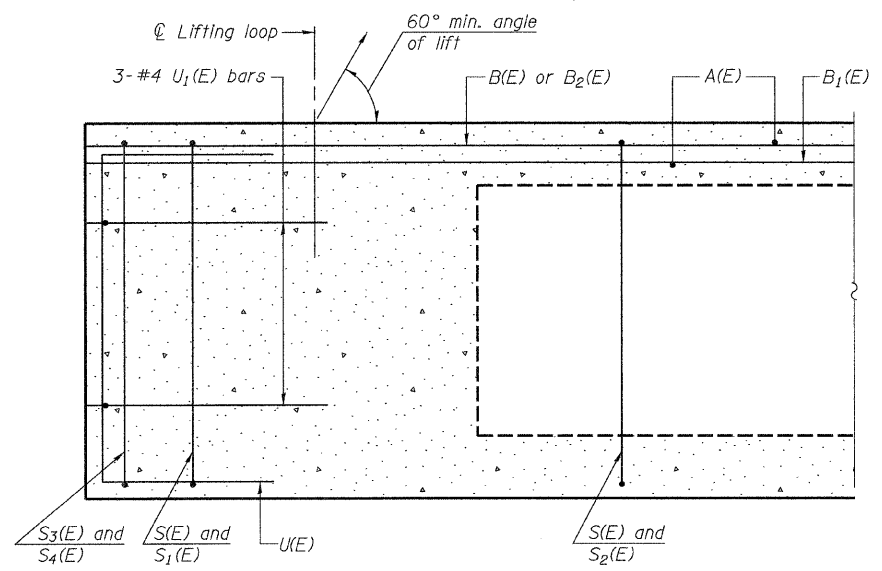


HALF CROSS SECTION

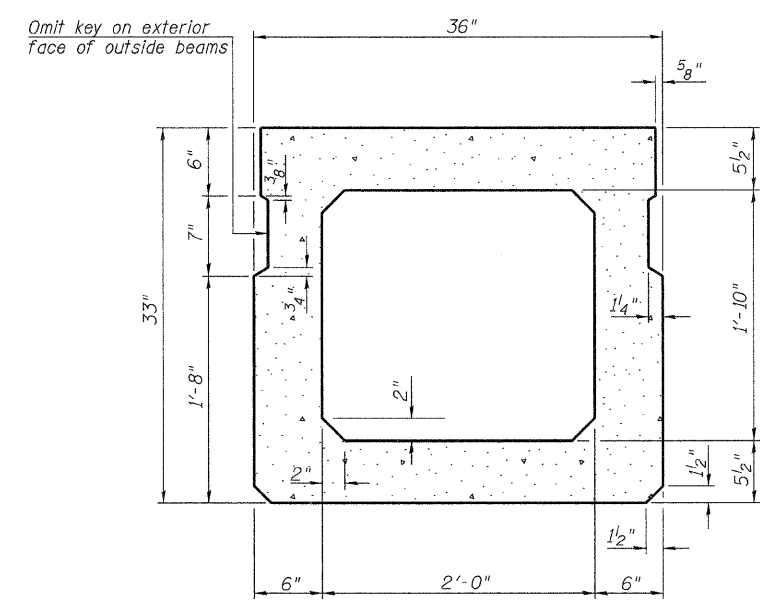
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Precast Prestressed Concrete Deck Beams (33" Depth)	SQ FT	8,118

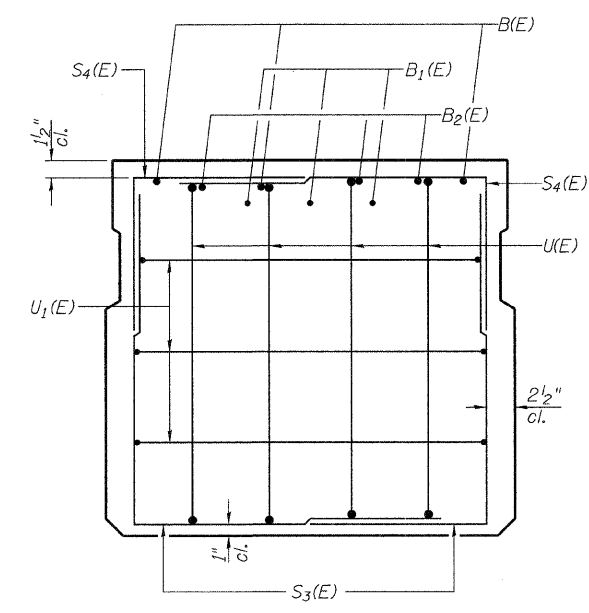
SUPERSTRUCTURE
TOWNSHIP ROAD 134A OVER
MAUVAISE TERRE CREEK
SEC. 06-06120-00-BR
MORGAN COUNTY
STATION 20+00.00



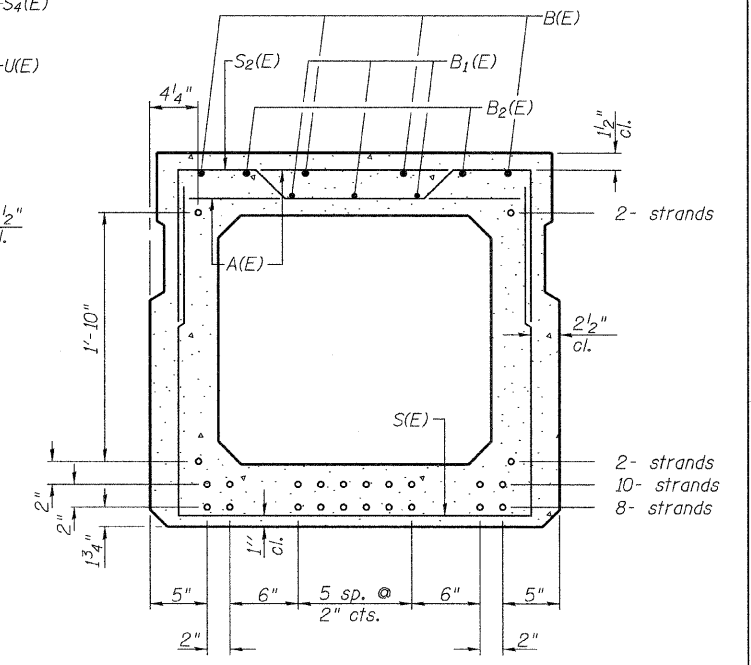
SECTION C-C



SECTION A-A
(Showing dimensions)



VIEW B-B



SECTION A-A

22-1/2"φ Strands Each Strand Stressed to 30,900 Lbs.
8-Strands 1 3/4" up, 10-Strands 3 3/4" up,
2-Strands 5 3/4" up, 2-Strands 2'-3 3/4" up

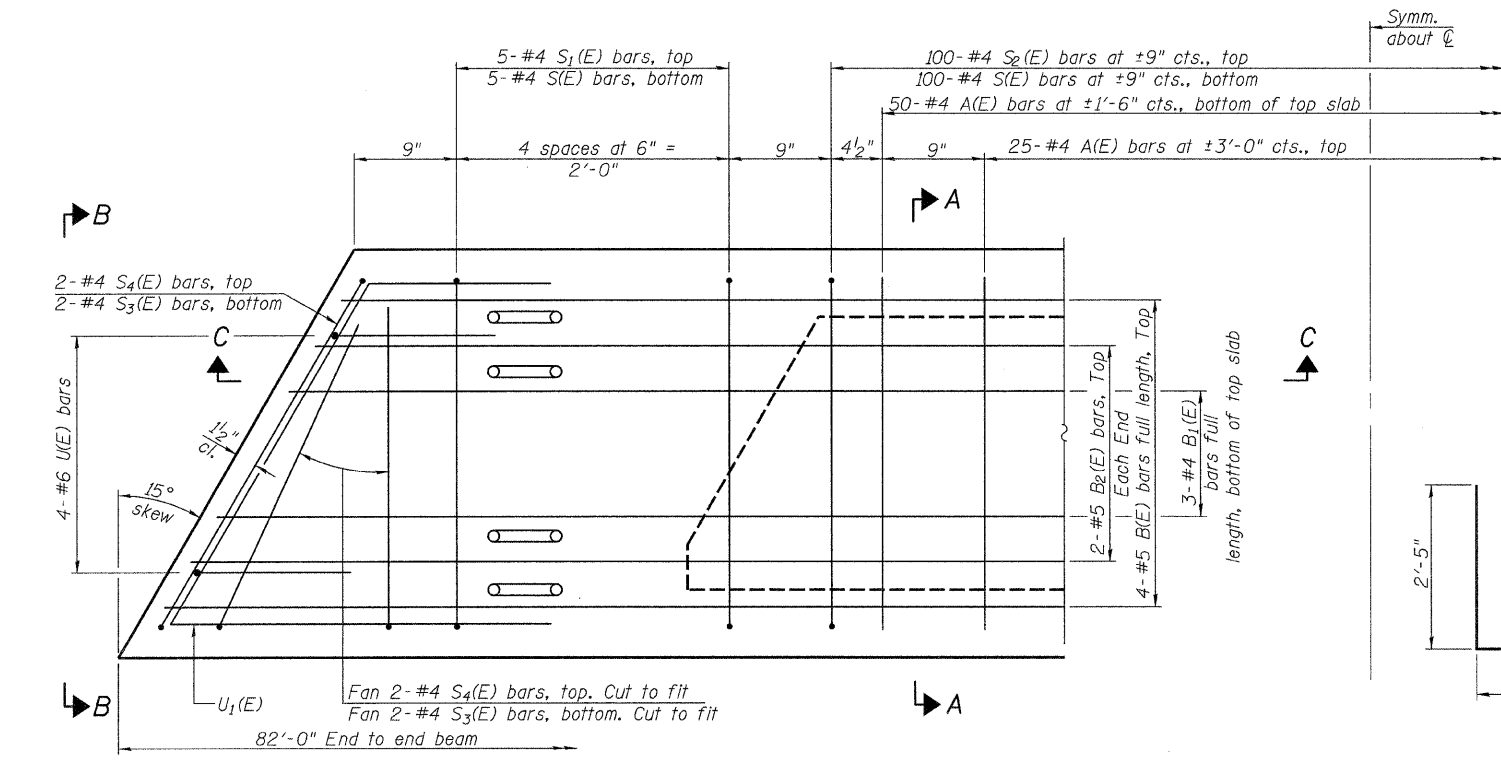
Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST - ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	75	#4	2'-7"	—
B(E)	4	#5	*81'-9"	—
B1(E)	3	#4	*81'-9"	—
B2(E)	4	#5	16'-6"	—
S(E)	110	#4	7'-5"	┌┐
S1(E)	10	#4	6'-3"	┌┐
S2(E)	100	#4	6'-6"	┌┐
S3(E)	8	#4	5'-0"	┌┐
S4(E)	8	#4	4'-5"	┌┐
U(E)	8	#6	5'-0"	┌┐
U1(E)	6	#4	5'-9"	┌┐

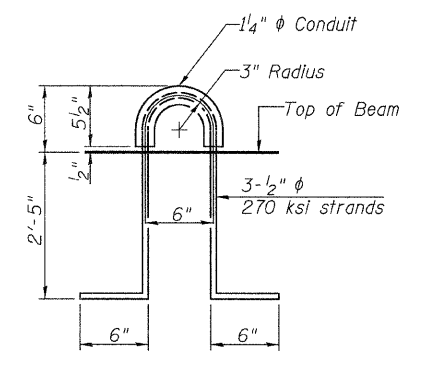
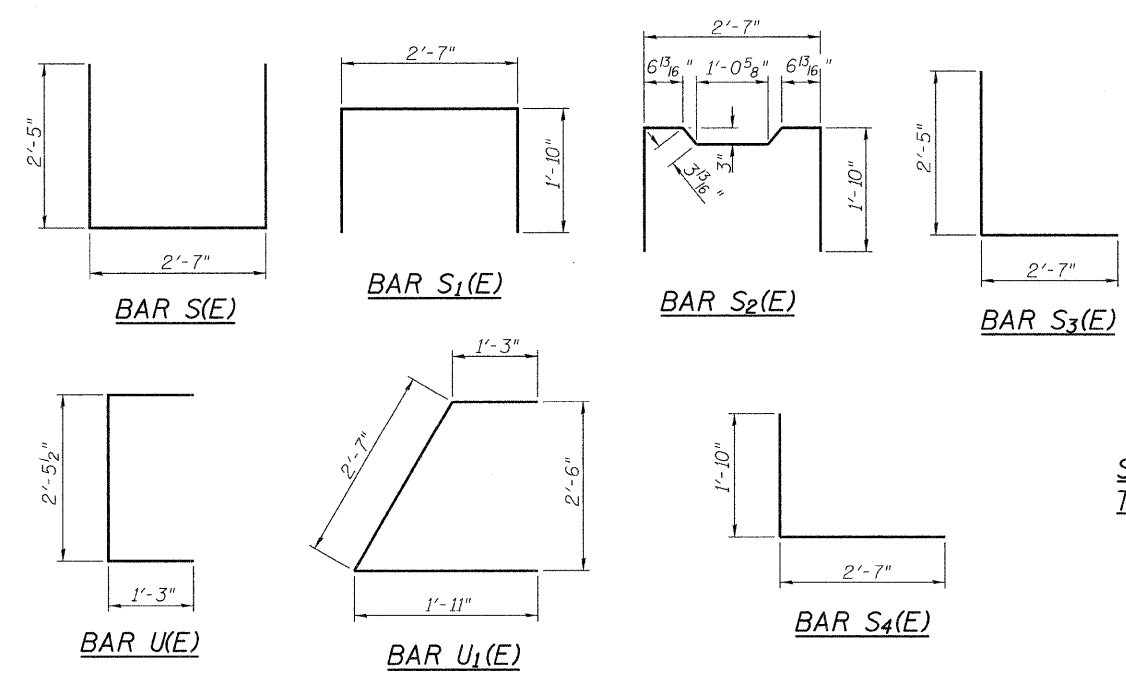
*Total Length, Lap as Necessary.

Note: See sheet 2 of 12 for additional details and Bill of Material.



PLAN VIEW

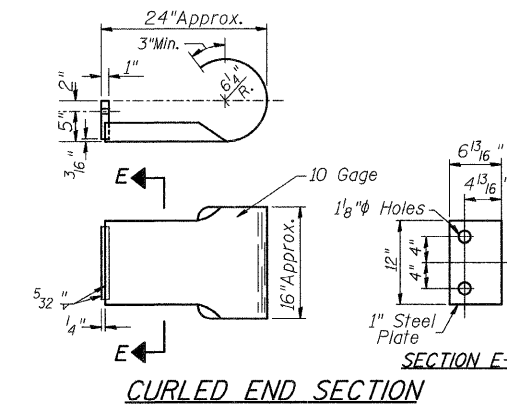
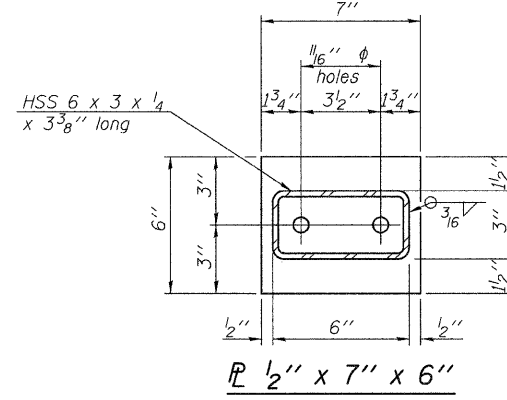
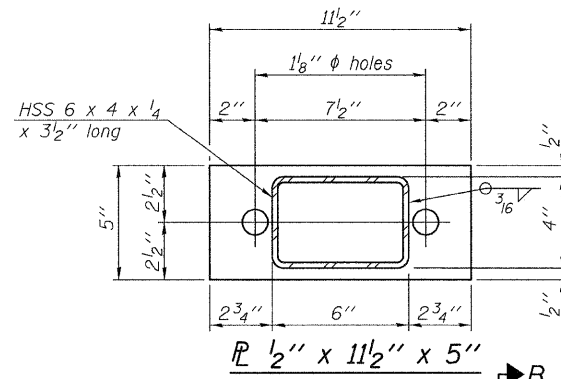
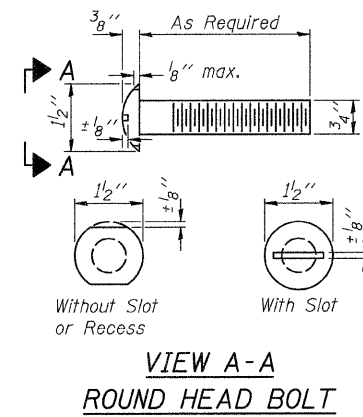
Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



LIFTING LOOP DETAIL

SUPERSTRUCTURE DETAILS
TOWNSHIP ROAD 134A OVER
MAUVAISE TERRE CREEK
SEC. 06-06120-00-BR
MORGAN COUNTY
STATION 20+00.00

FOR RAIL POST SPACING SEE SH.#5 OF 12

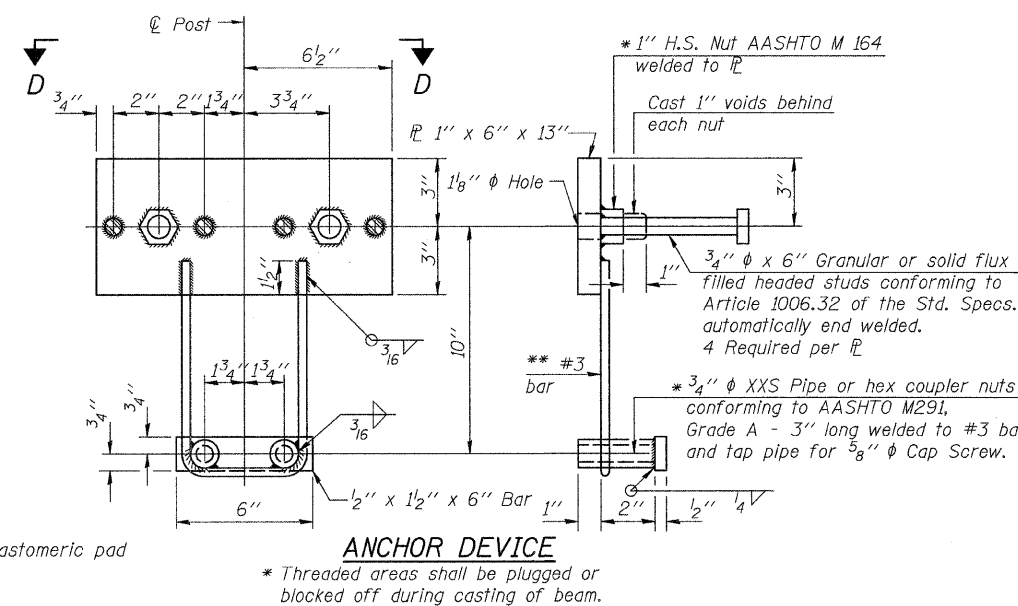
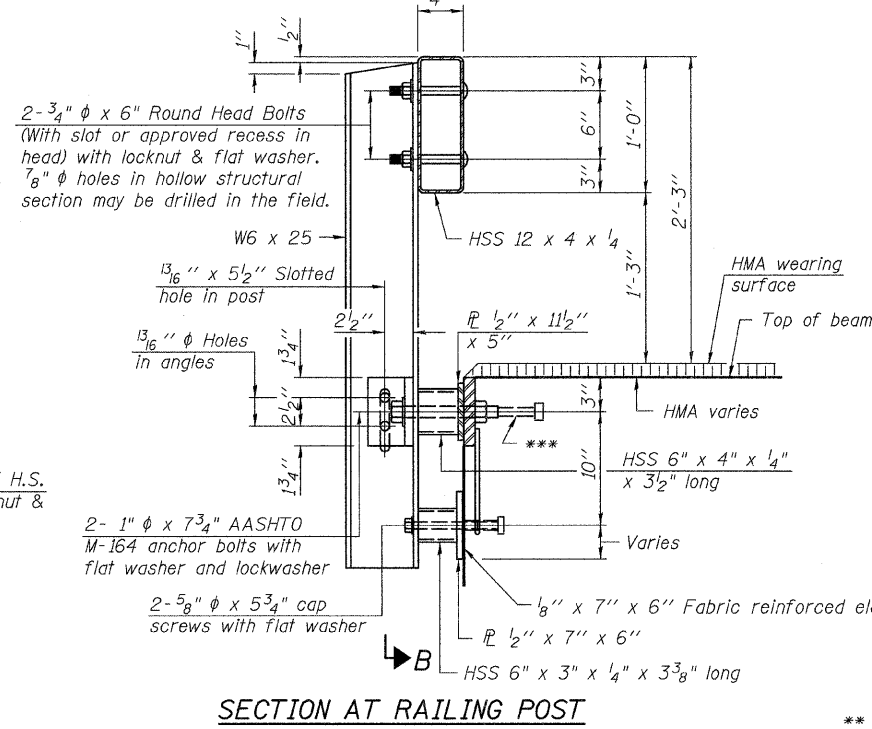
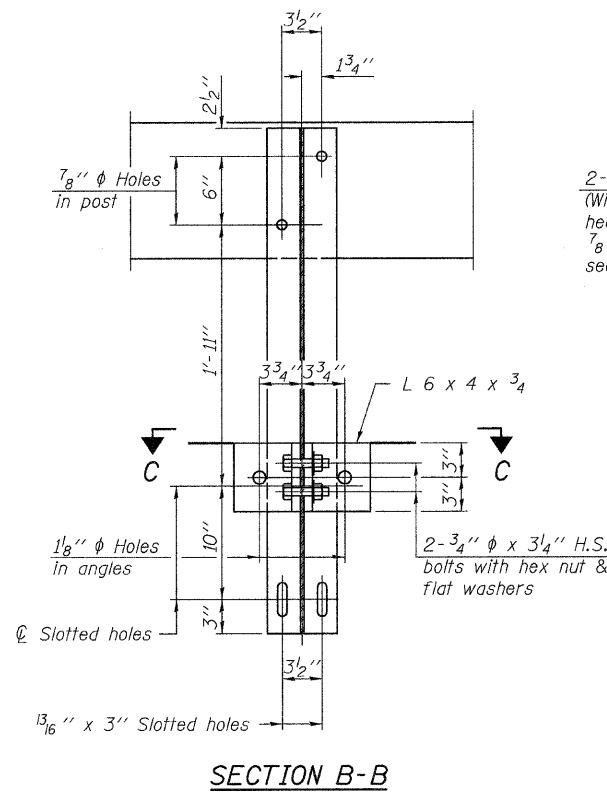


(2 Req'd) Cost Included with Steel Railing, Type S-1. Terminal Markers - Direct Applied shall be placed on end of each Curled End Section. (N.E. & S.W. Corners)

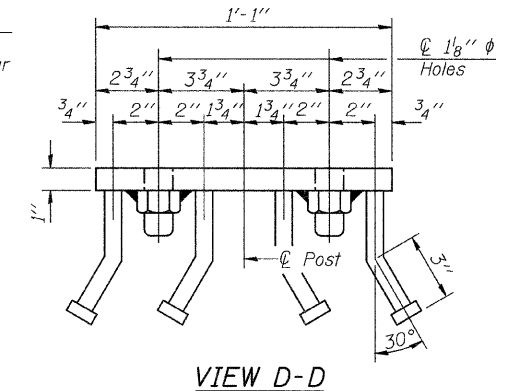
NOTES

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 S-1. All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

*** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.

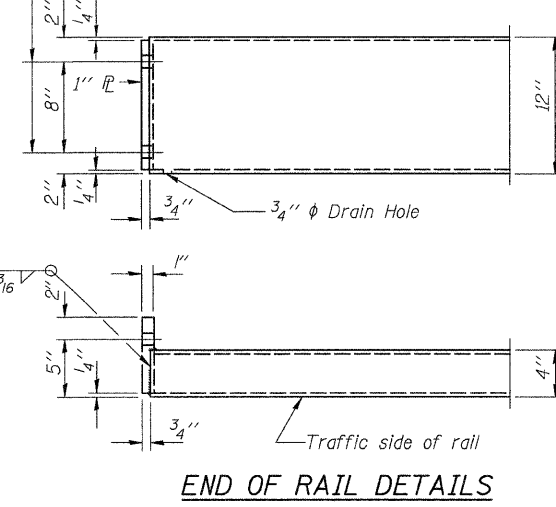


* Threaded areas shall be plugged or blocked off during casting of beam.



** 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 inch.

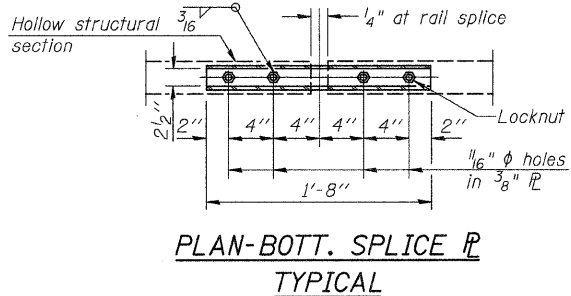
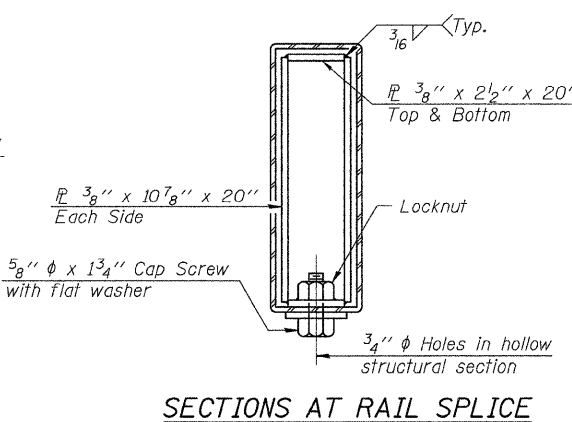
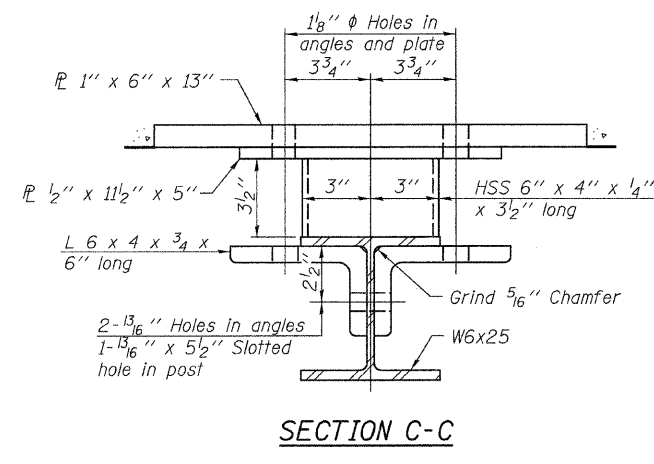
1 1/8 inch Holes for 1 inch x 4 inch Round Head Bolts. Provide 2 flat washers & locknuts for Curled End Section connection & connection shown on Standard BLR 27.

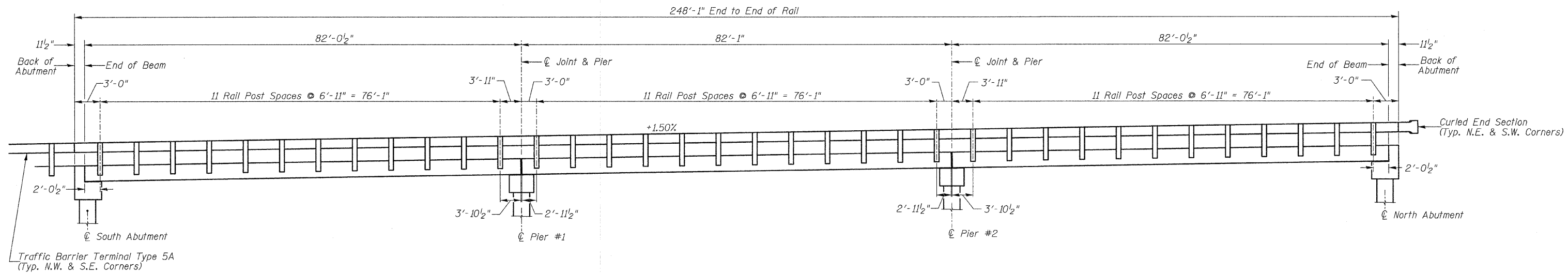


BILL OF MATERIAL

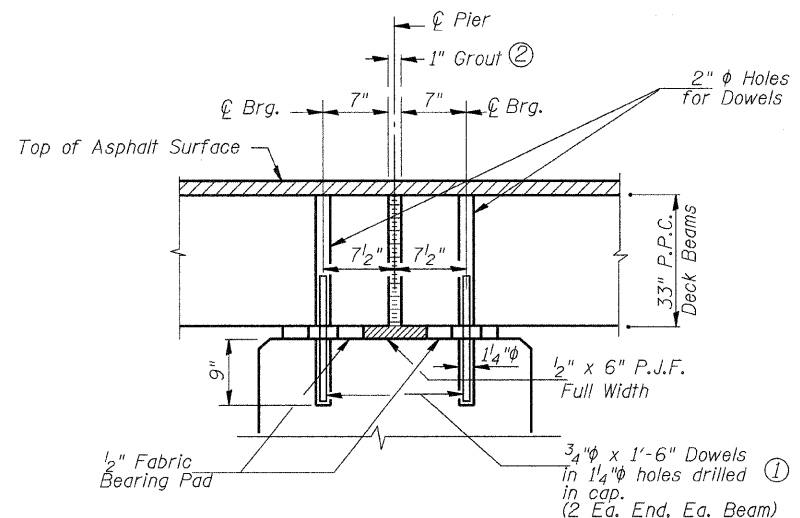
Item	Unit	Quantity
Steel Railing, Type S-1	FOOT	496

**STEEL RAILING, TYPE S-1
TOWNSHIP ROAD 134A OVER
MAUVAISE TERRE CREEK
SECTION 06-06120-00-BR
MORGAN COUNTY
STATION 20+00.00**

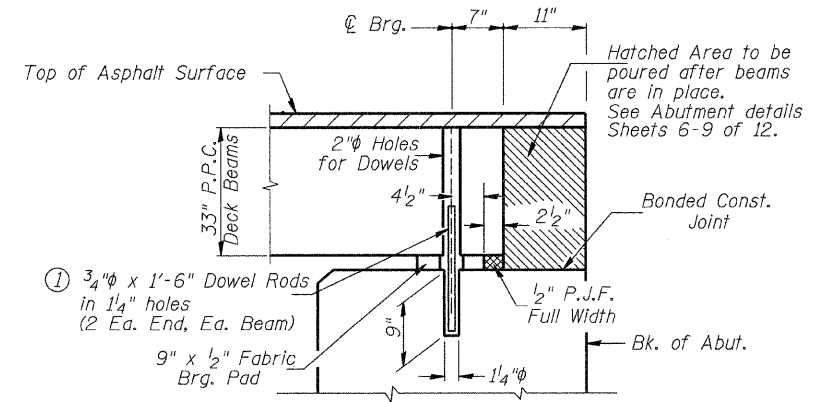




RAIL POST SPACING

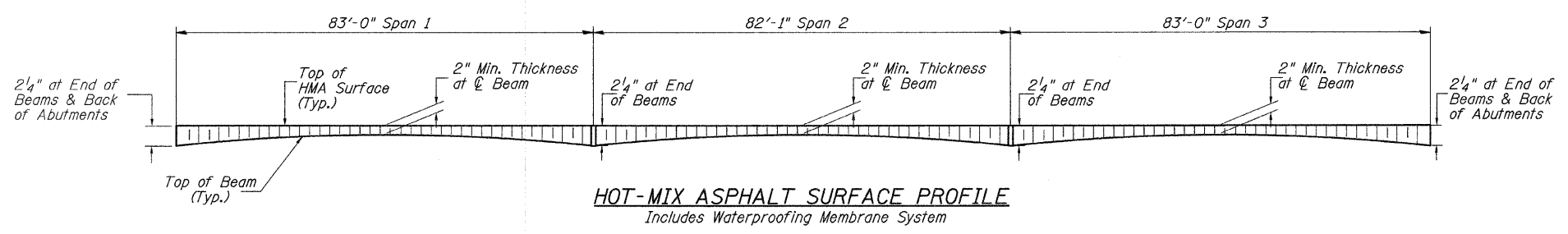


SECTION THRU PIERS
(At Right Angles)



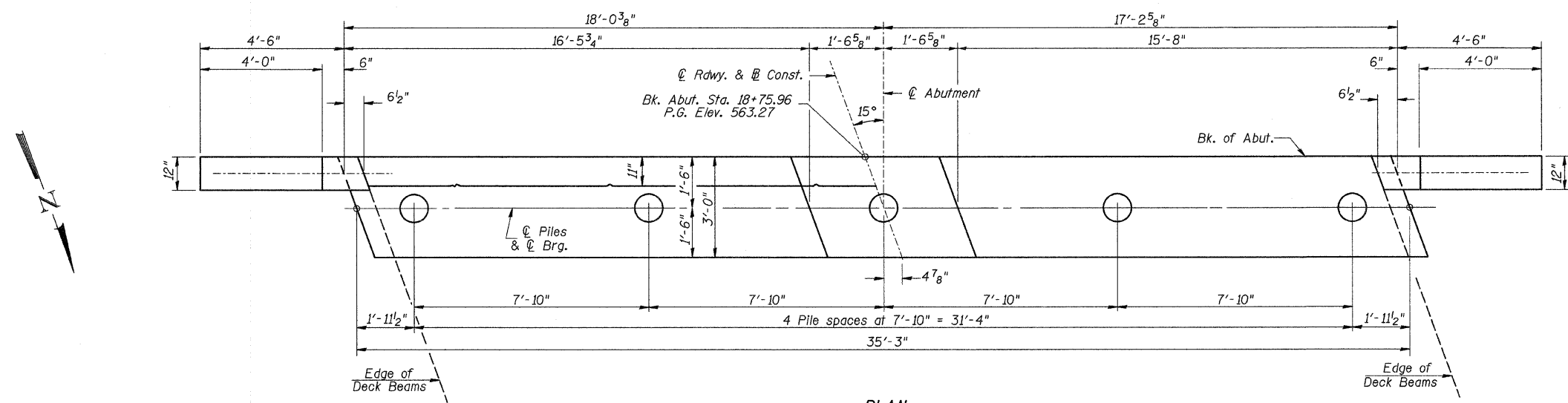
SECTION THRU ABUTMENTS
(At Right Angles)

- ① Dowel Rods to be grouted after beams are in place and allowed to cure (Min. 24 hr.) prior to grouting the shear keys.
- ② 1" Joint shall be packed with a very dry mix of 2:1 sand and P.C. mortar. 1" Dimension may vary plus or minus to accommodate tolerance in beam lengths.

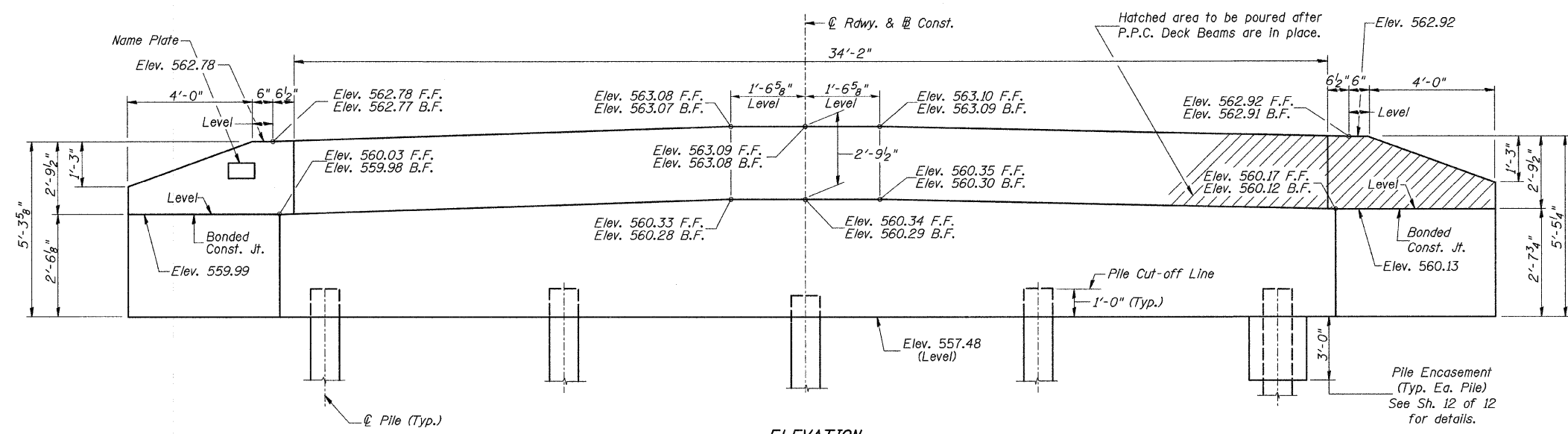


HOT-MIX ASPHALT SURFACE PROFILE
Includes Waterproofing Membrane System

SUPERSTRUCTURE DETAILS
RAIL POST SPACING
TOWNSHIP ROAD 134A OVER
MAUVAISE TERRE CREEK
SECTION 06-06120-00-BR
MORGAN COUNTY
STATION 20+00.00

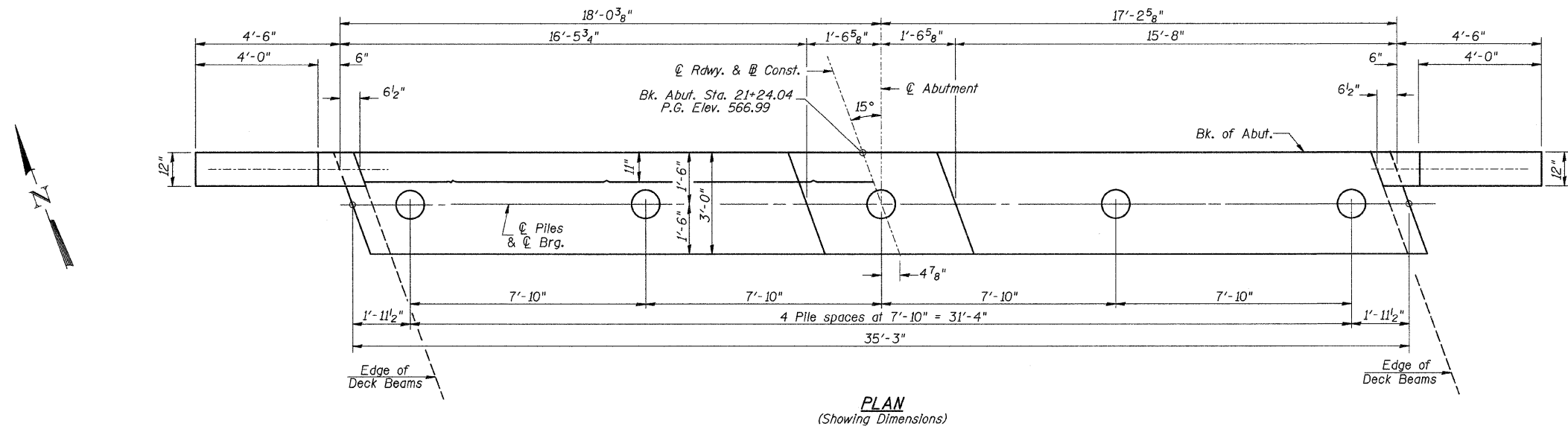


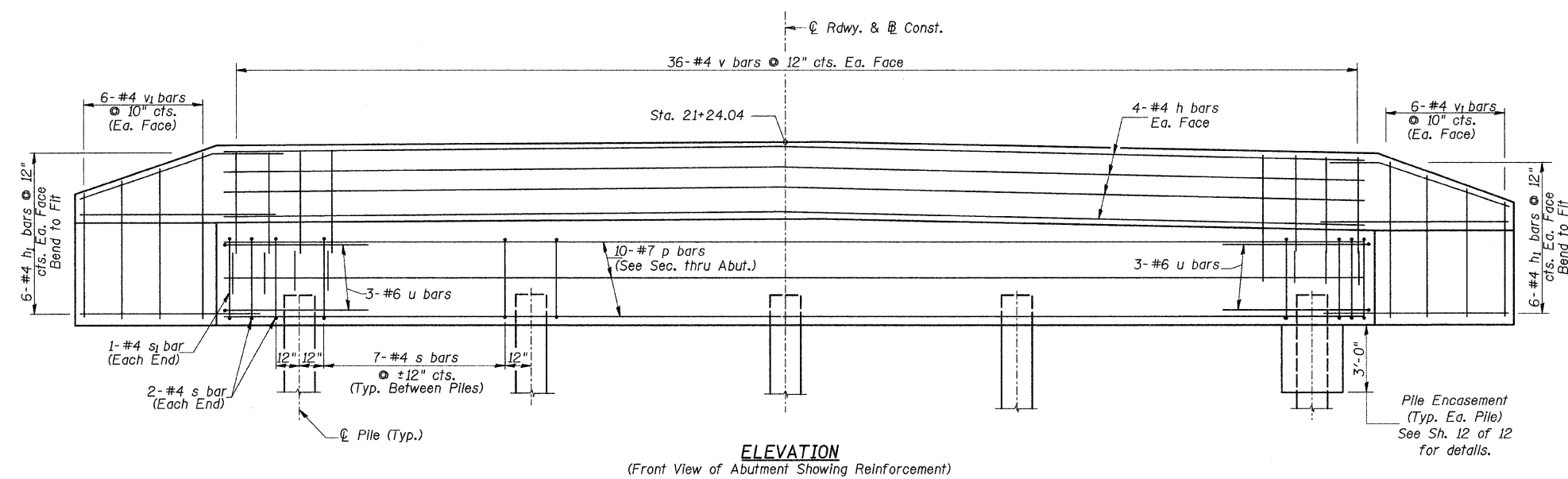
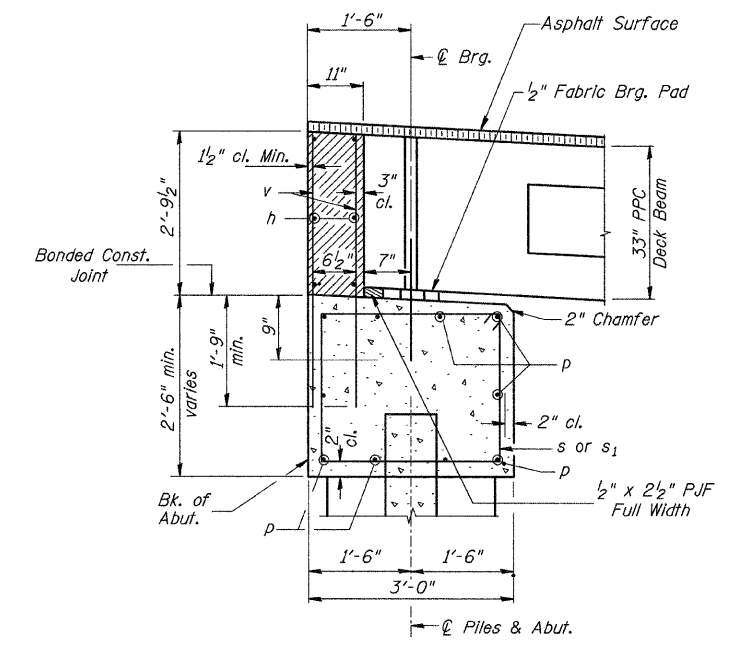
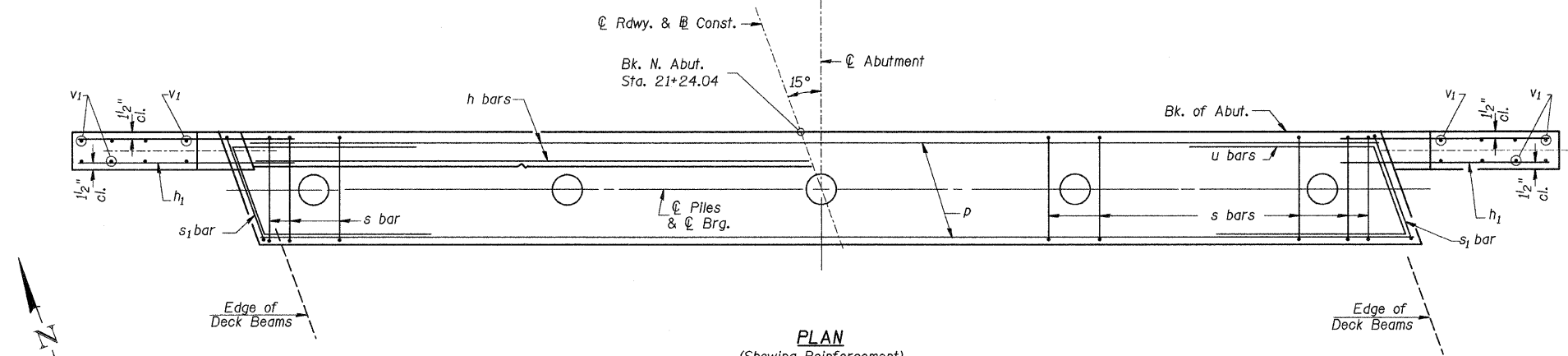
PLAN
(Showing Dimensions)



ELEVATION
(Front View of Abutment Showing Dimensions)

SOUTH ABUTMENT LAYOUT
TOWNSHIP ROAD 134A OVER
MAUVAISE TERRE CREEK
SECTION 06-06120-00-BR
MORGAN COUNTY
STATION 20+00.00





**NORTH ABUTMENT
BILL OF MATERIAL**

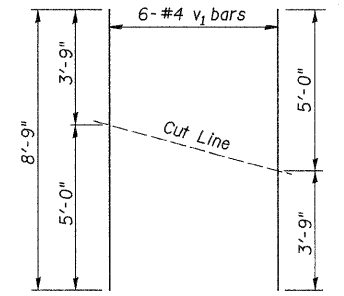
BAR	NO.	SIZE	LENGTH	SHAPE
h	8	#4	35'-0"	—
h1	24	#4	6'-6"	—
p	10	#7	35'-0"	—
s	32	#4	10'-5"	□
s1	2	#4	10'-7"	□
u	6	#6	11'-8"	—
v	72	#4	4'-6"	—
v1	12	#4	8'-9"	—
Concrete Structures			CU YD	15.5
Reinforcement Bars			POUND	1,630
Structure Excavation			CU YD	30
Furnishing Metal Shell Piles 14"			FOOT	248
Driving Piles			FOOT	248
Test Pile Metal Shells			EACH	1
Pile Shoes			EACH	5
Concrete Encasement			CU YD	1.6

① See Special Provisions

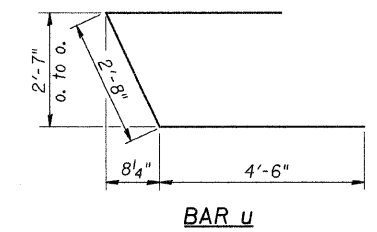
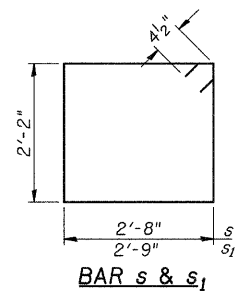
DESIGN STRESSES
 $f'_c = 3,500$ p.s.i.
 $f_y = 60,000$ p.s.i.

- NOTES**
- The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
 - Reinforcement bars shall conform to ASTM A706 Grade 60.

PILE DATA
 Type & Size: Metal Shell-14" x 0.312" walls w/ pile shoes
 Nominal Required Bearing: 405 kips
 Allowable Resistance Available: 135 kips
 Est. Length: 62'
 No. Req'd: 5 (Includes 1 Test Pile)

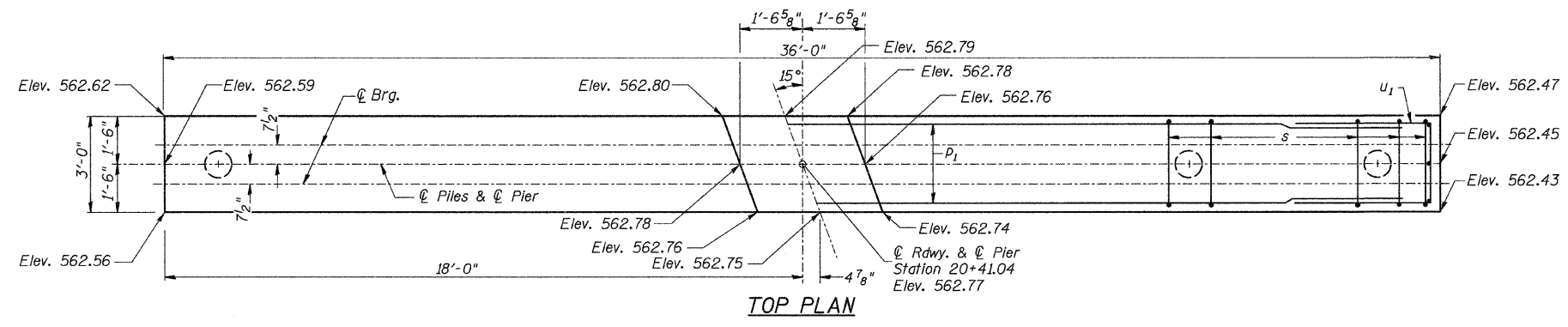


BAR CUTTING DIAGRAM
 Order v1 bars full length. Cut as shown and use remainder of bars in opposite face.

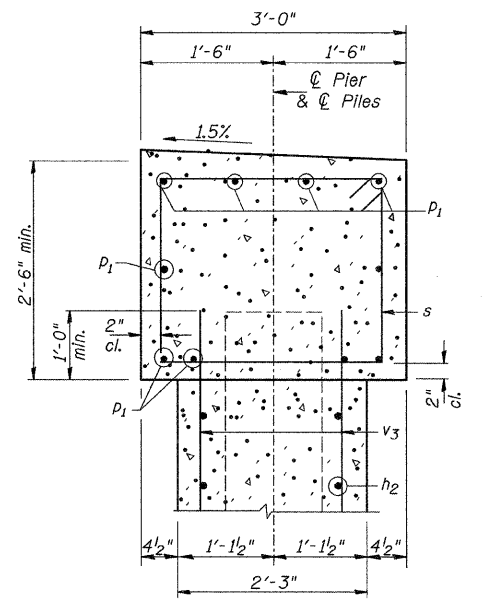


**NORTH ABUTMENT DETAILS
 TOWNSHIP ROAD 134A OVER
 MAUVAISE TERRE CREEK
 SECTION 06-06120-00-BR
 MORGAN COUNTY
 STATION 20+00.00**

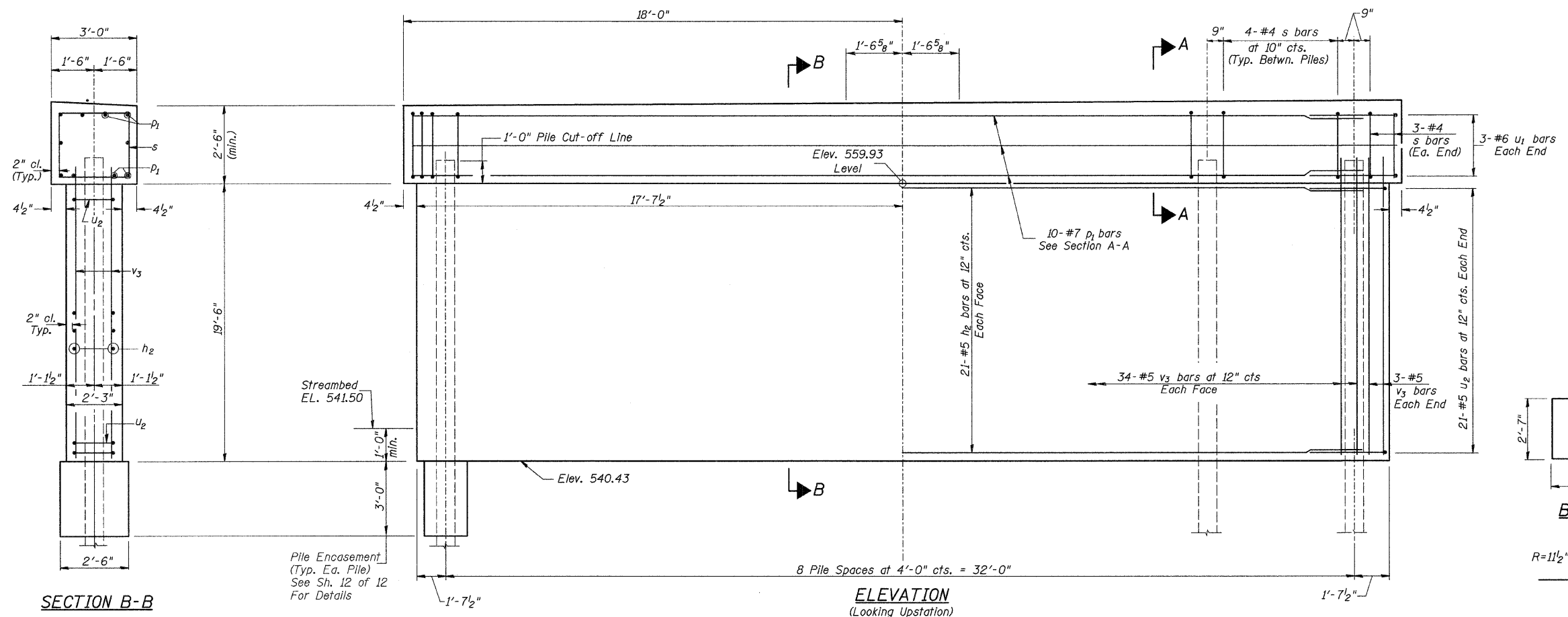
NOTES:
All edges shall have standard 3/4" chamfer.



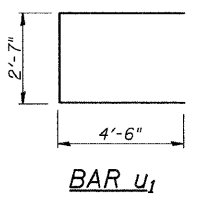
TOP PLAN



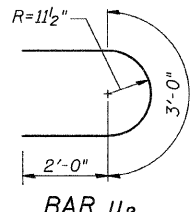
SECTION A-A



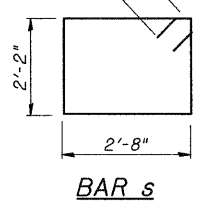
**ELEVATION
(Looking Upstair)**



BAR u1



BAR u2



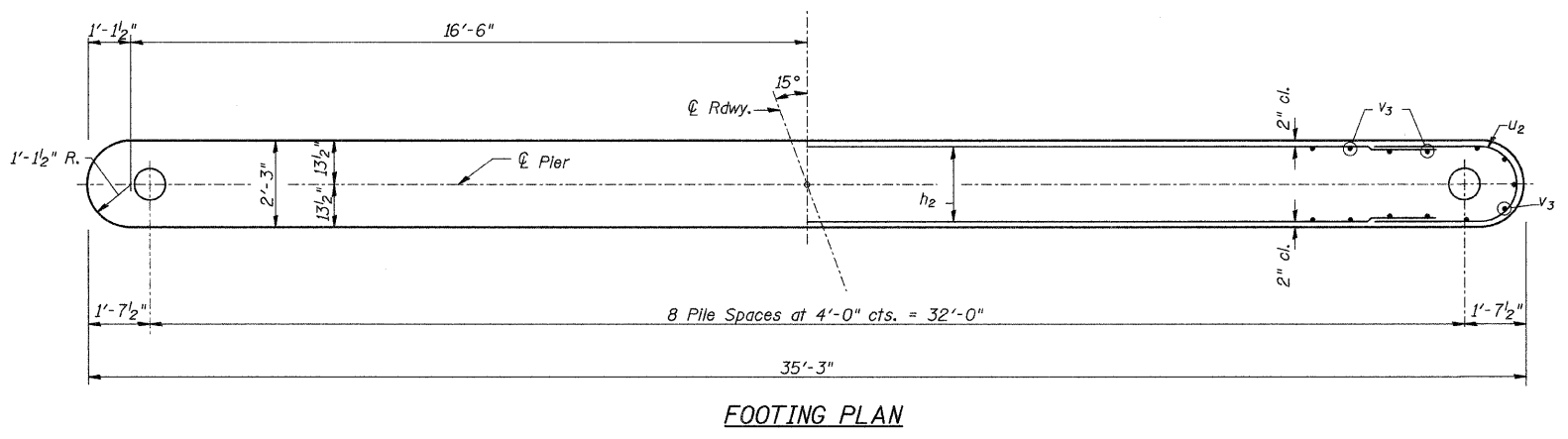
BAR s

**PIER #2
BILL OF MATERIAL**

BAR	NO.	SIZE	LENGTH	SHAPE
h2	42	#5	32'-8"	—
p1	10	#7	35'-9"	—
s	38	#4	10'-5"	□
u1	6	#6	11'-7"	┌
u2	42	#5	7'-0"	└
v3	74	#5	20'-4"	—
Concrete Structures				CU YD 60.1
① Reinforcement Bars				POUND 4,410
Structure Excavation				CU YD 50
Furnishing Metal Shell Piles 14"				FOOT 600
Driving Piles				FOOT 600
Test Pile Metal Shells				EACH 1
Pile Shoes				EACH 9
Concrete Encasement				CU YD 3.8
① Underwater Structure Excavation Protection, Location 2				EACH 1

① See Special Provisions

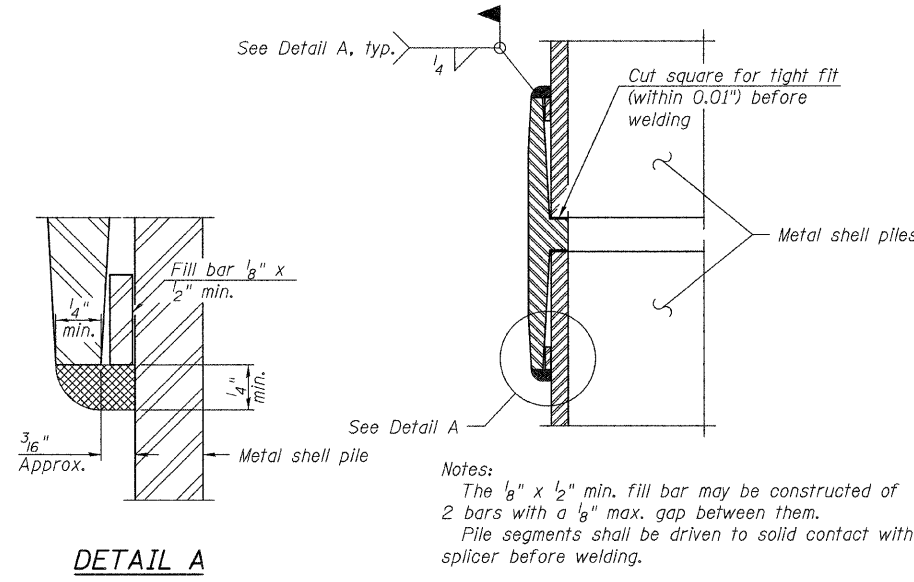
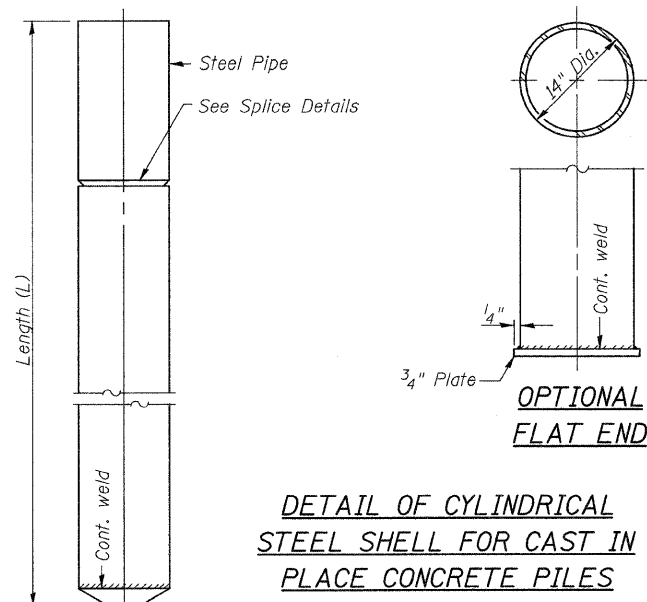
PILE DATA
Type & Size: Metal Shell-14" ϕ x 0.312" walls w/ pile shoes
Nominal Required Bearing: 480 kips
Allowable Resistance Available: 160 kips
Est. Length: 75'
No. Req'd: 9 (Includes 1 Test Pile)



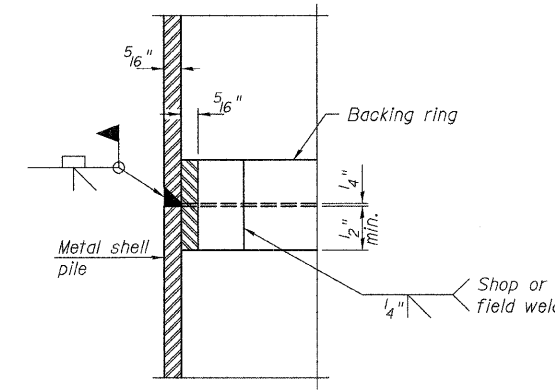
FOOTING PLAN

**PIER #2
TOWNSHIP ROAD 134A OVER
MAUVAISE TERRE CREEK
SECTION 06-06120-00-BR
MORGAN COUNTY
STATION 20+00.00**

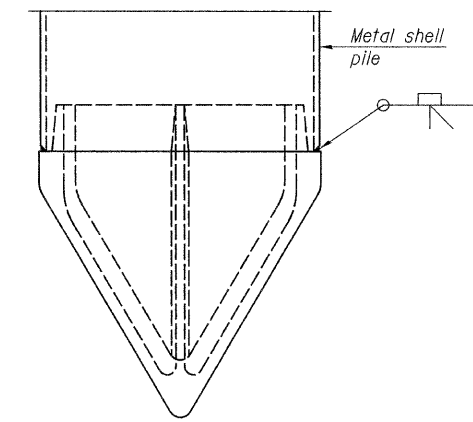
Notes: Driving and bearing ends of pipe shall be cut square. The thickness of the shell shall be 0.312 inches with a tolerance of 5%. The shell shall be according to Article 1006.05(a) of the Standard Specifications, and shall be ASTM A252 Grade 3.



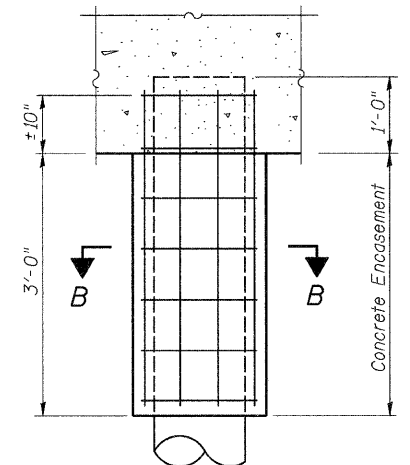
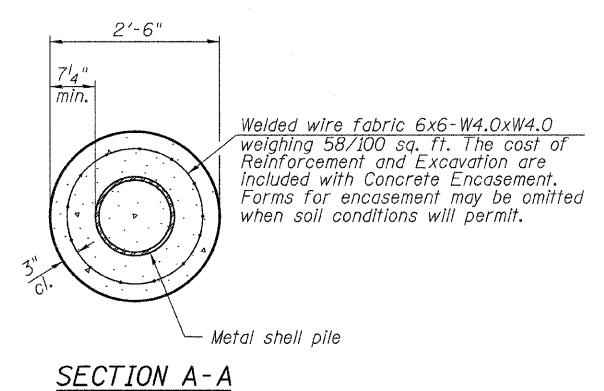
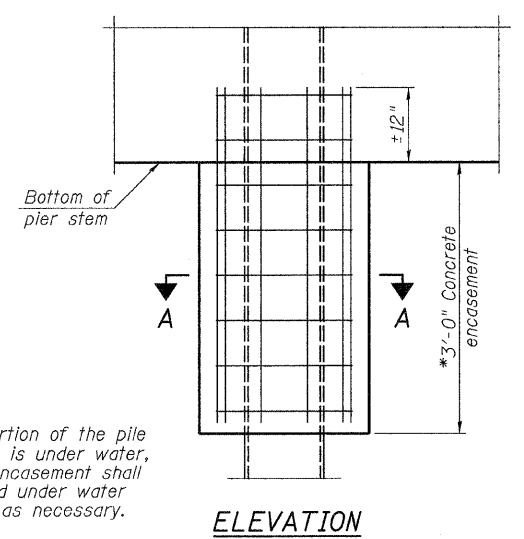
Notes:
The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.



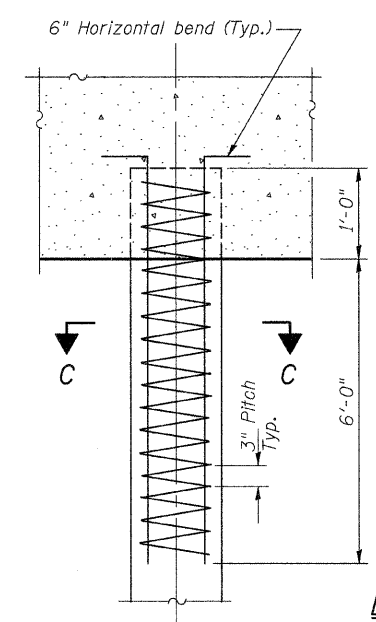
* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



Note A:
When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld.



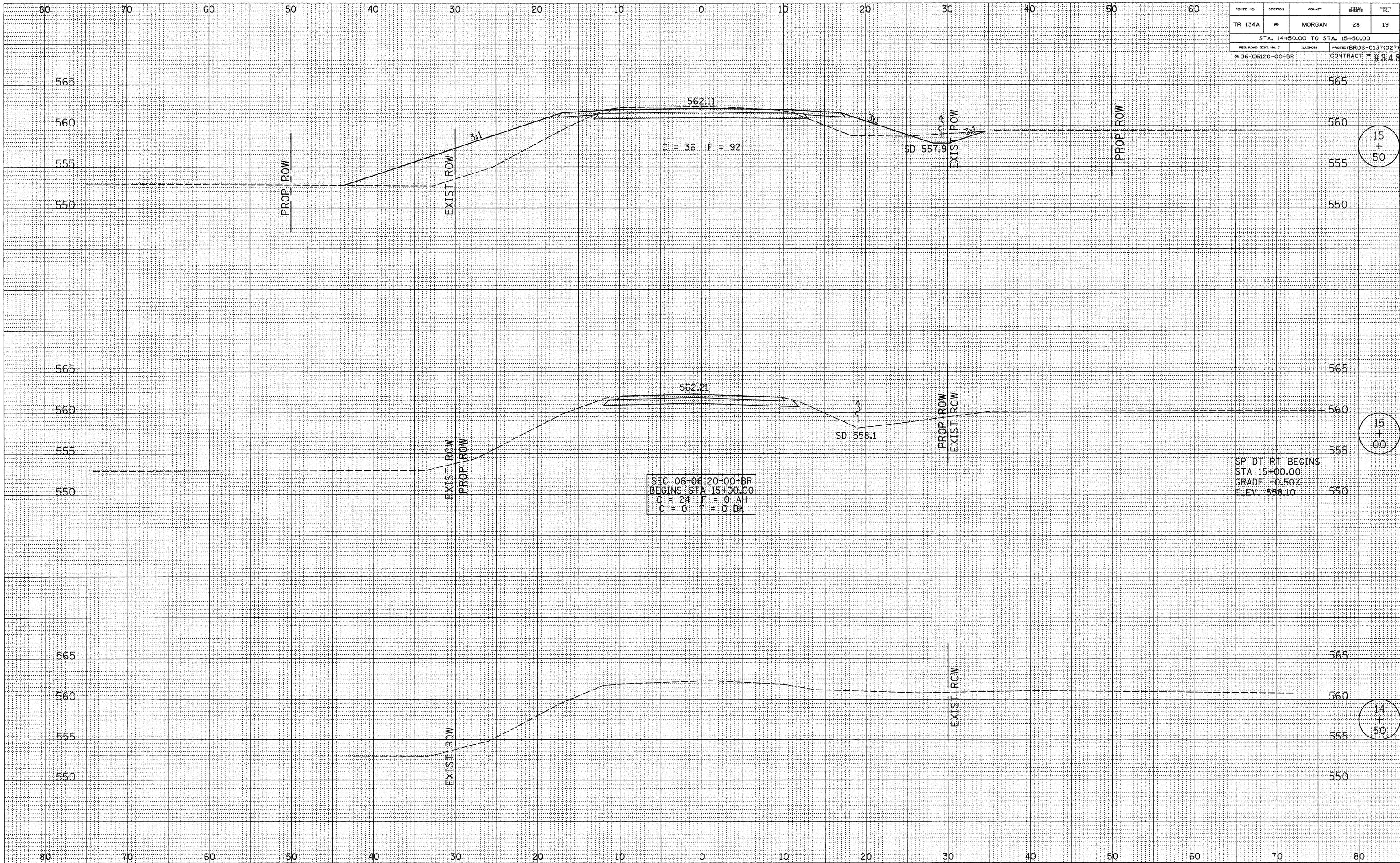
DETAIL OF METAL SHELL PILE ENCASEMENT AT ABUTMENTS



DETAIL OF REINFORCEMENT FOR METAL SHELLS AT ABUTMENTS

PILE DETAILS
TOWNSHIP ROAD 134A OVER MAUVAISE TERRE CREEK
SECTION 06-06120-00-BR
MORGAN COUNTY
STATION 20+00.00

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 134A	*	MORGAN	28	19
STA. 14+50.00 TO STA. 15+50.00				
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT	BROS-0137(027)	
*06-06120-00-BR		CONTRACT # 99481		



SEC 06-06120-00-BR
 BEGINS STA 15+00.00
 C = 24 F = 0 AH
 C = 0 F = 0 BK

SP. DT. RT. BEGINS
 STA 15+00.00
 GRADE -0.50%
 ELEV. 558.10

15
+
50

15
+
00

14
+
50

DATE _____

BY _____

NO. _____

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

DATE _____

BY _____

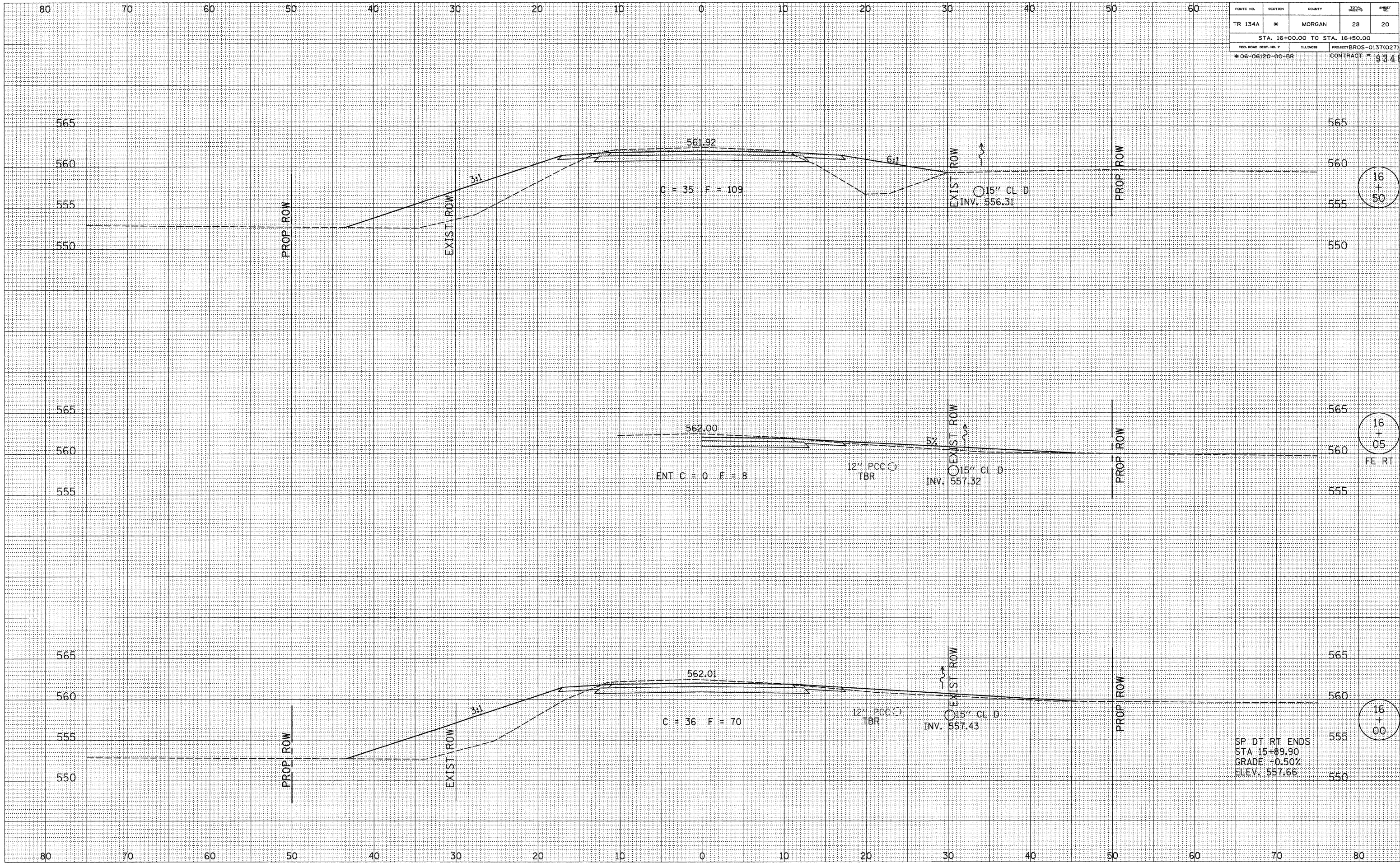
NO. _____

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 134A	*	MORGAN	28	20
STA. 16+00.00 TO STA. 16+50.00				
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT BROS-0137(027)	CONTRACT # 03481	

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

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



16 + 50

16 + 05

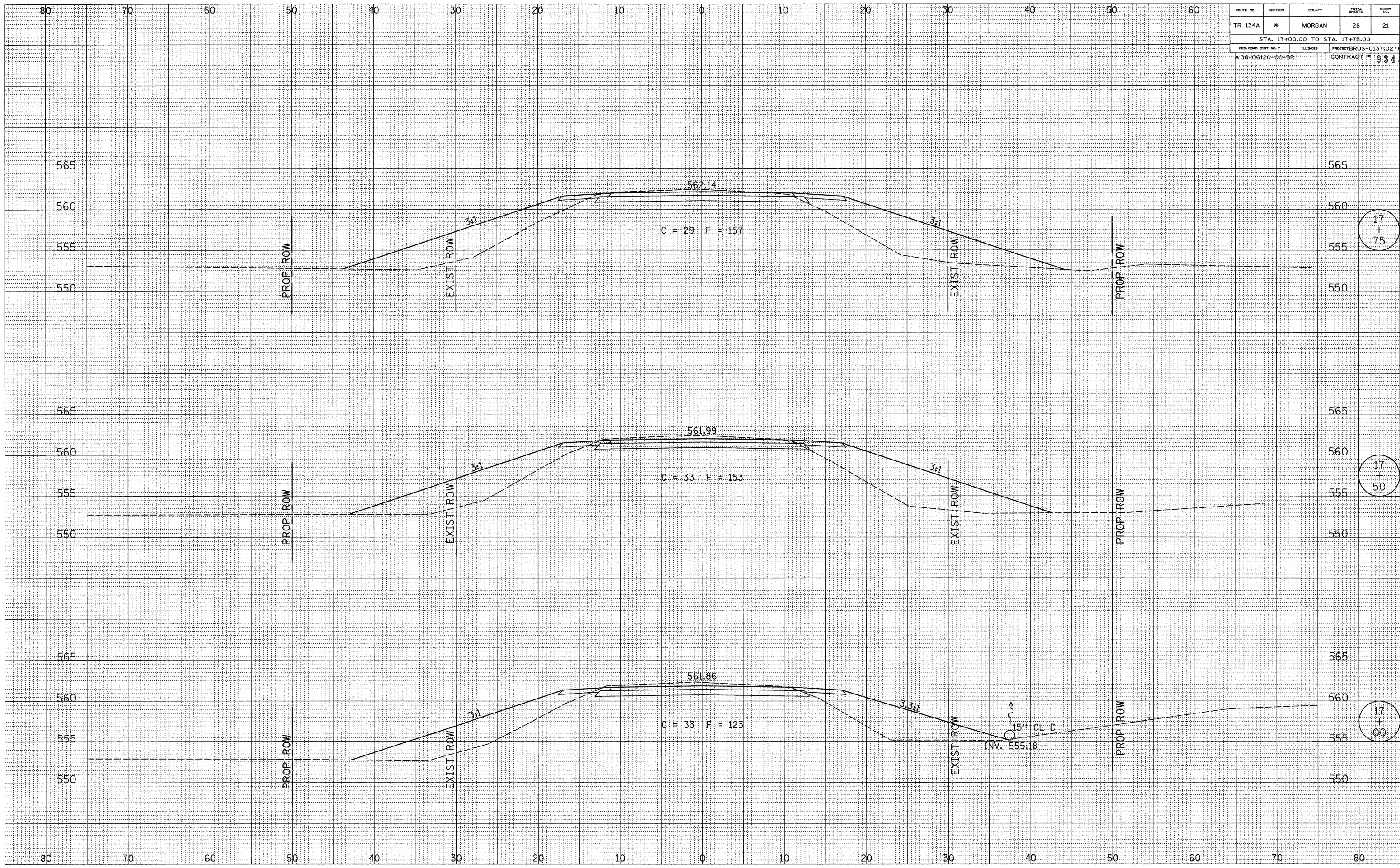
16 + 00

SP. DT. RT. ENDS
 STA 15+89.90
 GRADE -0.50%
 ELEV. 557.66

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 134A	*	MORGAN	28	21
STA. 17+00.00 TO STA. 17+75.00				
FED. ROAD DIST. NO. 7			ILLINOIS	PROJECT BROS-0137(027)
*06-06120-00-BR			CONTRACT #	93481

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

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



17
+
75

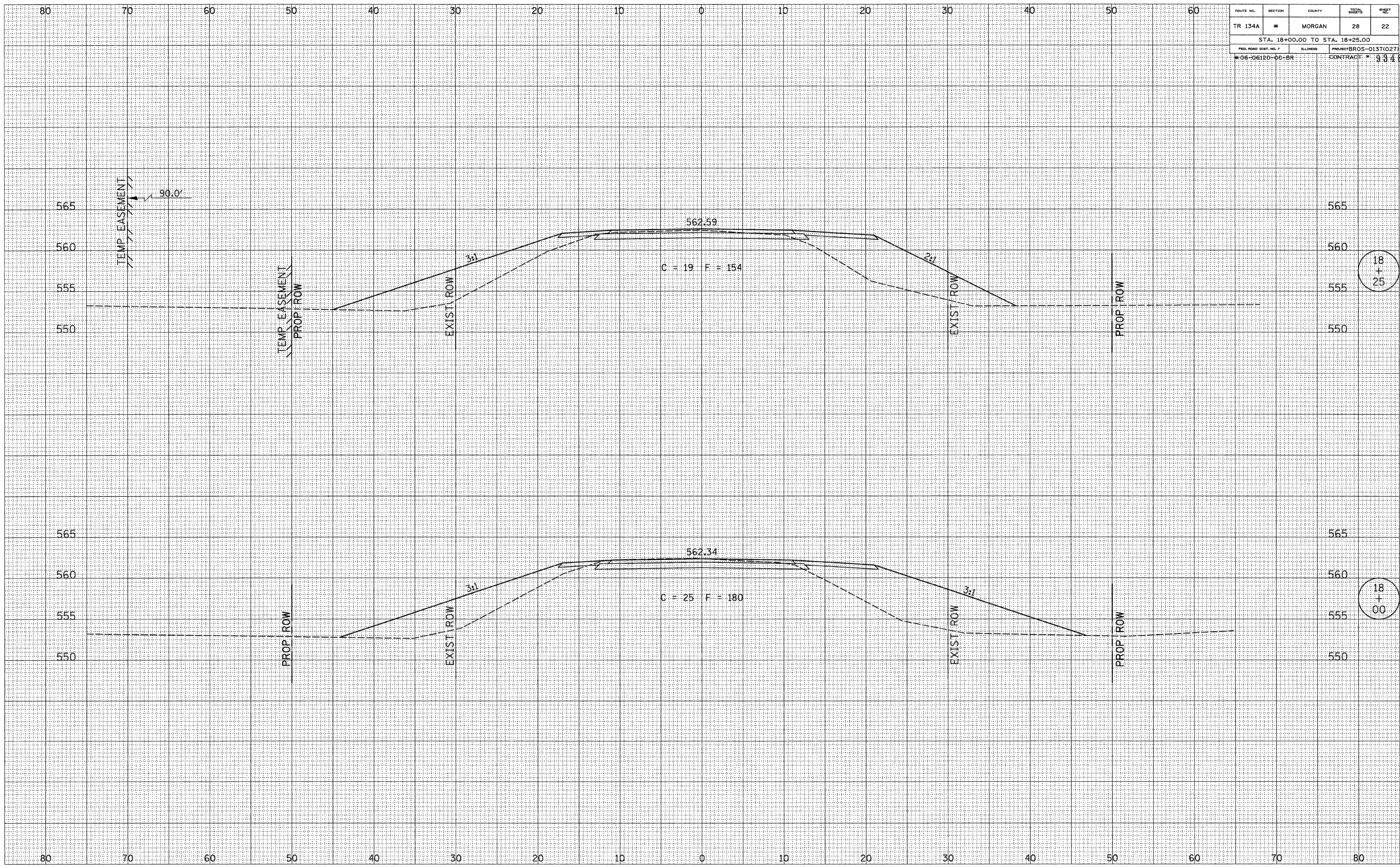
17
+
50

17
+
00

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 134A	*	MORGAN	28	22
STA. 18+00.00 TO STA. 18+25.00				
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT BROS-0137(027)	
W-06-06120-00-BR		CONTRACT NO. 03481		

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	FLOTTED	
	TEMPLATE	
	AS AREA CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	FLOTTED	
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	AS AREA CHECKED	



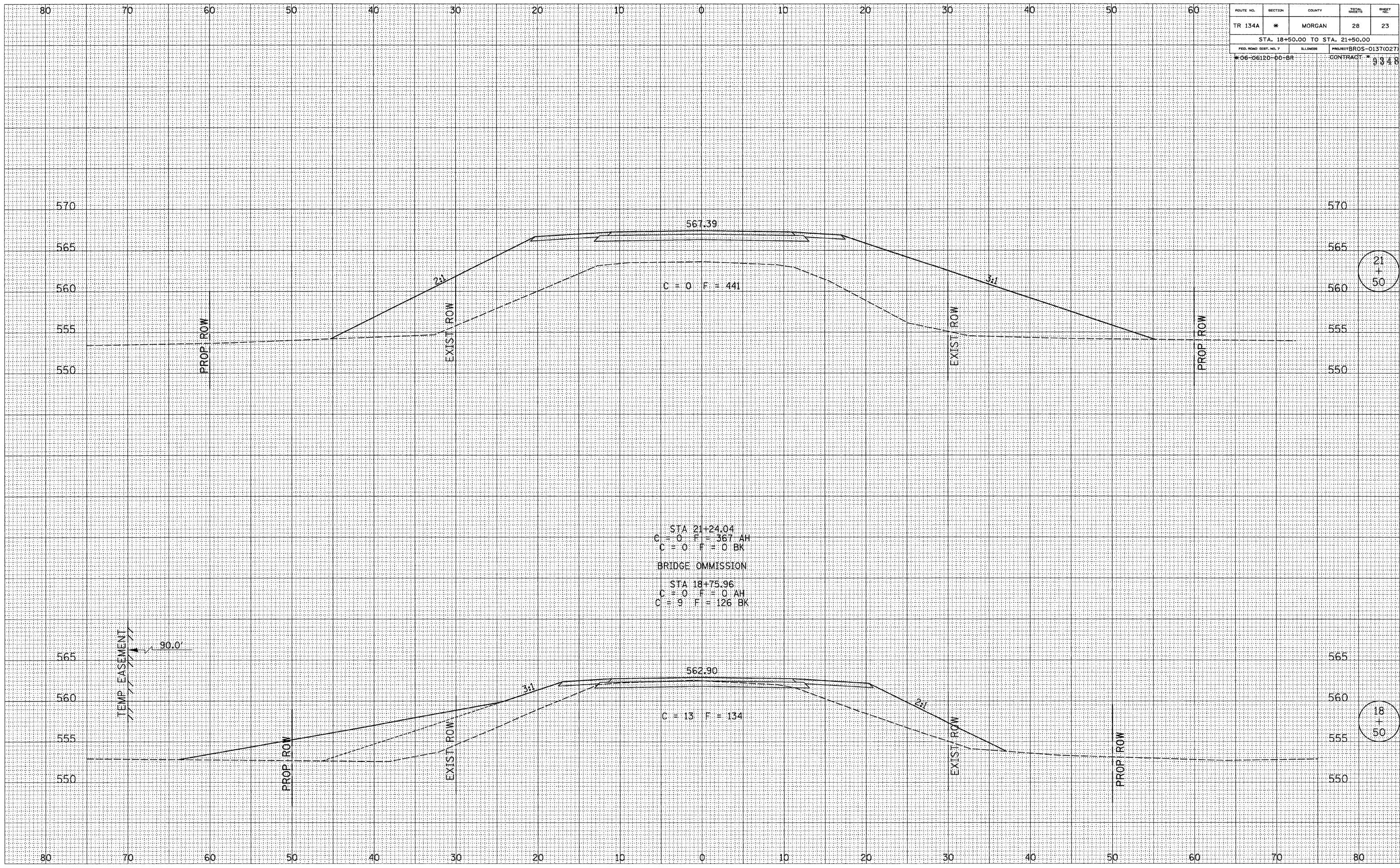
18
+
25

18
+
00

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 134A	*	MORGAN	28	23
STA. 18+50.00 TO STA. 21+50.00				
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT BROS-0137(027)	CONTRACT NO. 93481	

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

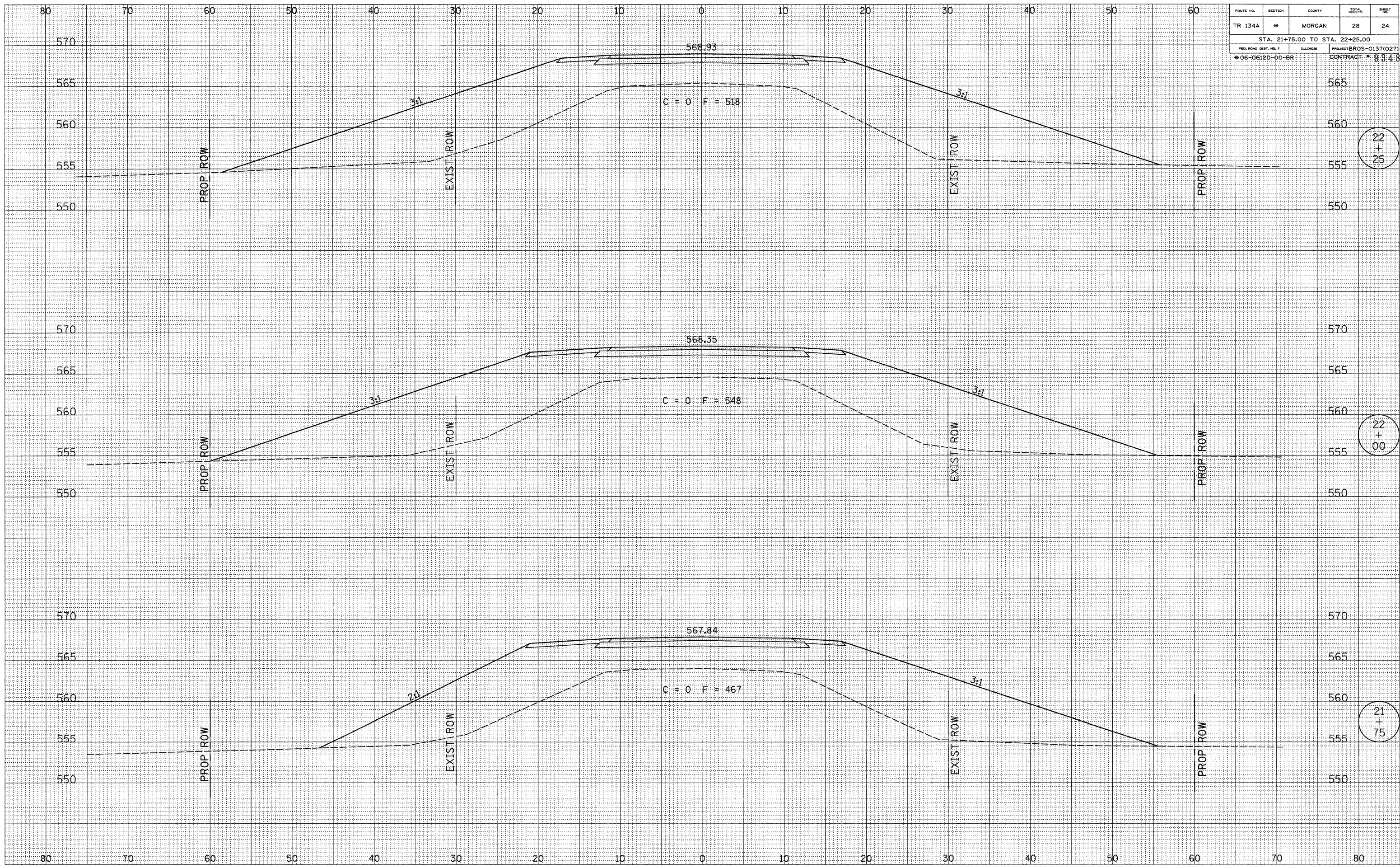
BY	DATE
ORIGINAL SURVEY	
NO. BOOK	
NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	



21
+

18
+

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 134A	*	MORGAN	28	24
STA. 21+75.00 TO STA. 22+25.00				
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT BROS-0137(027)	CONTRACT 9.9.4.8	



22
+
25

22
+
00

21
+
75

FINAL SURVEY

BY: _____ DATE: _____

NO. _____

NOTE BOOK NO. _____

TEMPLATES _____

AREAS CHECKED _____

ORIGINAL SURVEY

BY: _____ DATE: _____

NO. _____

NOTE BOOK NO. _____

TEMPLATES _____

AREAS CHECKED _____

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 134A	*	MORGAN	28	25
STA. 22+50.00 TO STA. 23+00.00				
FED. ROAD DIST. NO. 7			PROJECT BROS-0137(027)	
ILLINOIS			CONTRACT # 93481	

BY	DATE

FINAL SURVEY	DATE

SURVEYED	DATE

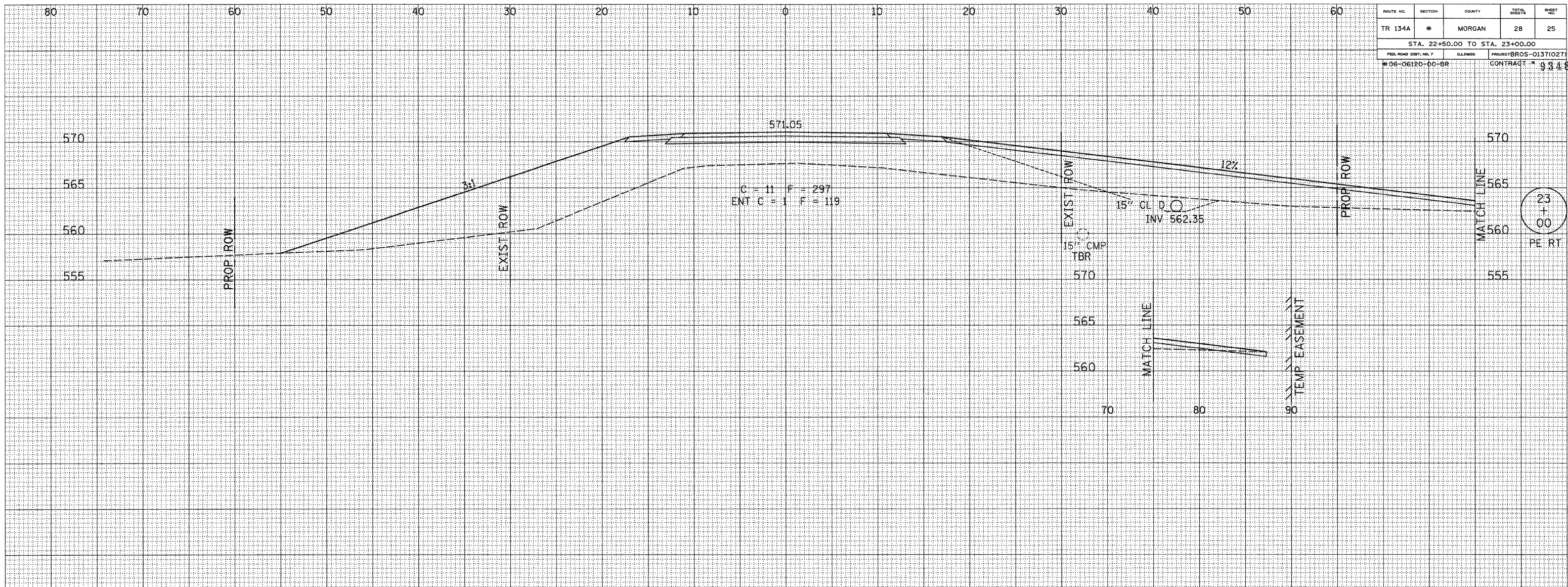
FLOTTED	DATE

TEMPLATE	DATE

NOTE BOOK	NO.

AS	DATE

AREAS CHECKED



BY	DATE

ORIGINAL SURVEY	DATE

SURVEYED	DATE

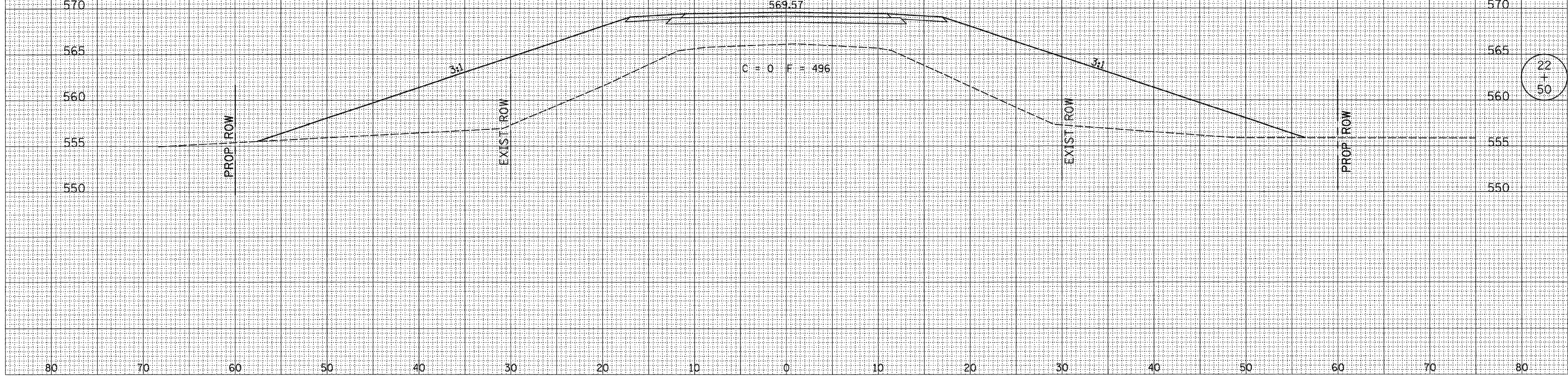
FLOTTED	DATE

TEMPLATE	DATE

NOTE BOOK	NO.

AS	DATE

AREAS CHECKED

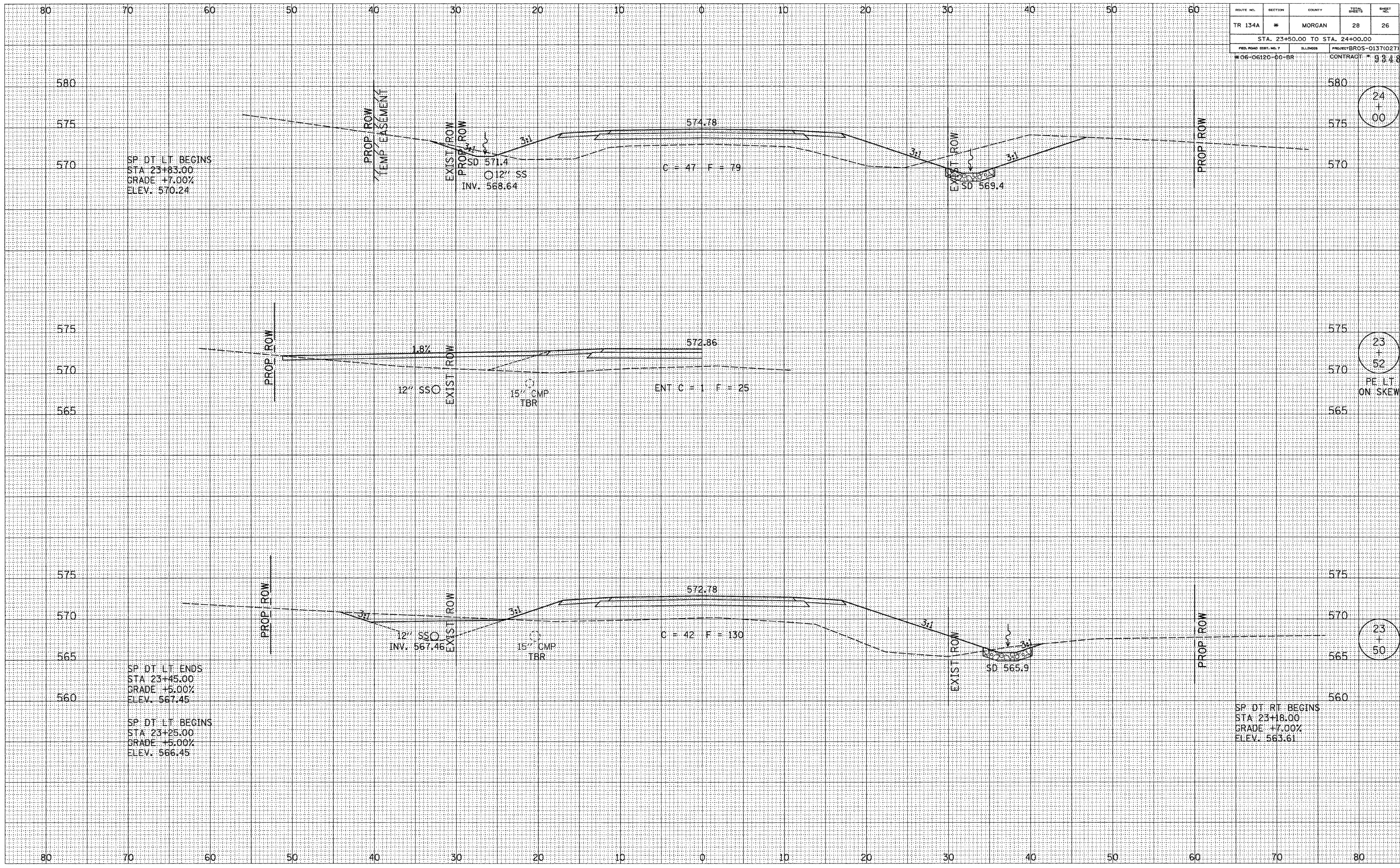


BY	DATE

FINAL SURVEY	SURVEYED	FLATTED	DATE
NOTE BOOK			
NO.			

BY	DATE

ORIGINAL SURVEY	SURVEYED	FLATTED	DATE
NOTE BOOK			
NO.			



24
+

23
+

PE LT
ON SKEW

23
+

SP DT LT BEGINS
STA 23+63.00
GRADE +7.00%
ELEV. 570.24

EXIST ROW
PROP ROW
PROSD 571.4
12" SS
INV. 568.64

C = 47 F = 79

EXIST ROW
PROSD 569.4

12" SS

15" CMP
TBR

ENT C = 1 F = 25

12" SS
INV. 567.46

15" CMP
TBR

C = 42 F = 130

SD 565.9

SP DT LT ENDS
STA 23+45.00
GRADE +5.00%
ELEV. 567.45

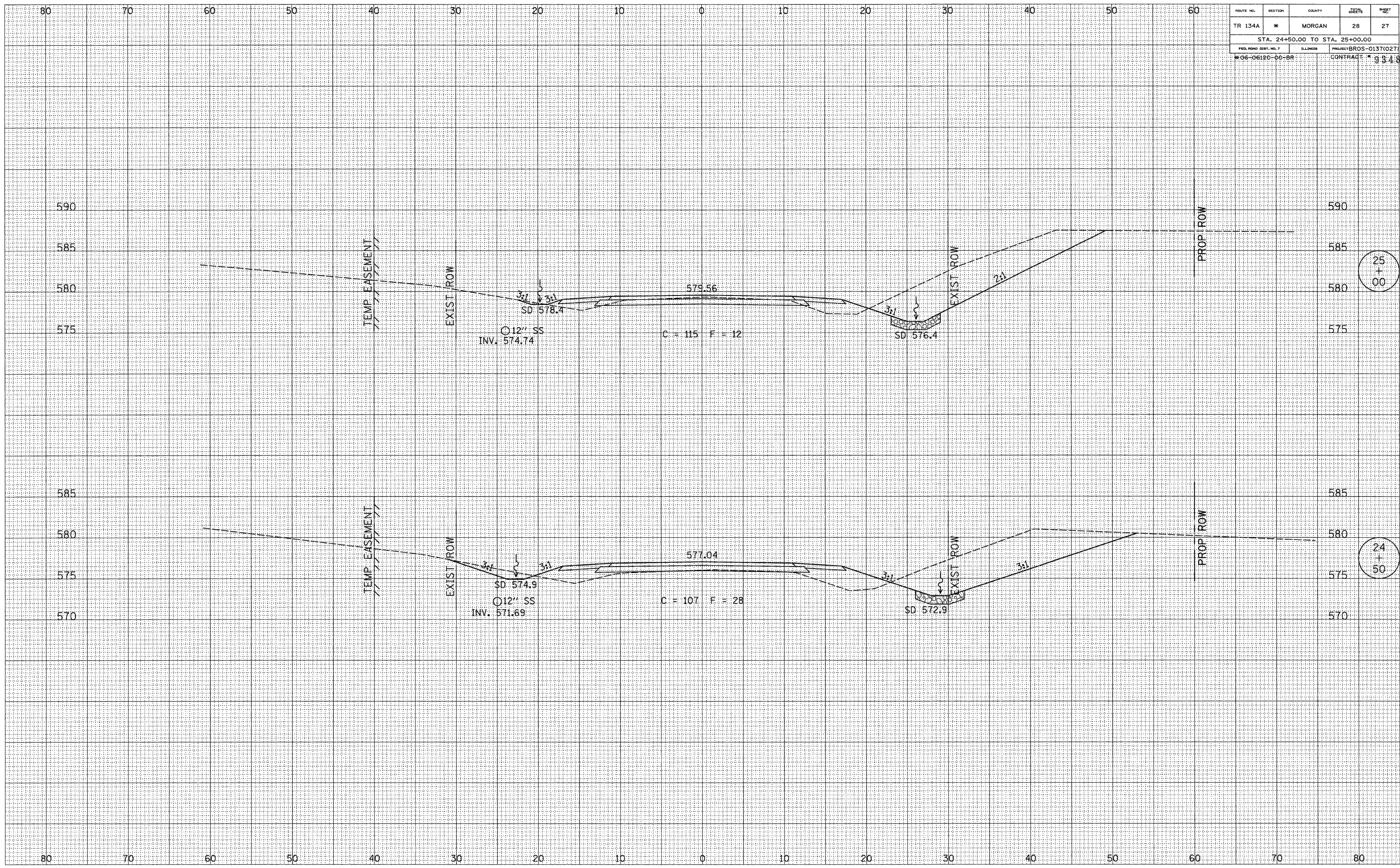
SP DT LT BEGINS
STA 23+25.00
GRADE +5.00%
ELEV. 566.45

SP DT RT BEGINS
STA 23+18.00
GRADE +7.00%
ELEV. 563.61

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 134A	*	MORGAN	28	27
STA. 24+50.00 TO STA. 25+00.00				
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT BROS-0137(027)	CONTRACT NO. 93481	

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

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



25
+
00

24
+
50

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 134A	*	MORGAN	28	28
STA. 25+50.00 TO STA. 26+00.00				
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT BROS-0137(027)	CONTRACT NO. 09481	

DATE	BY

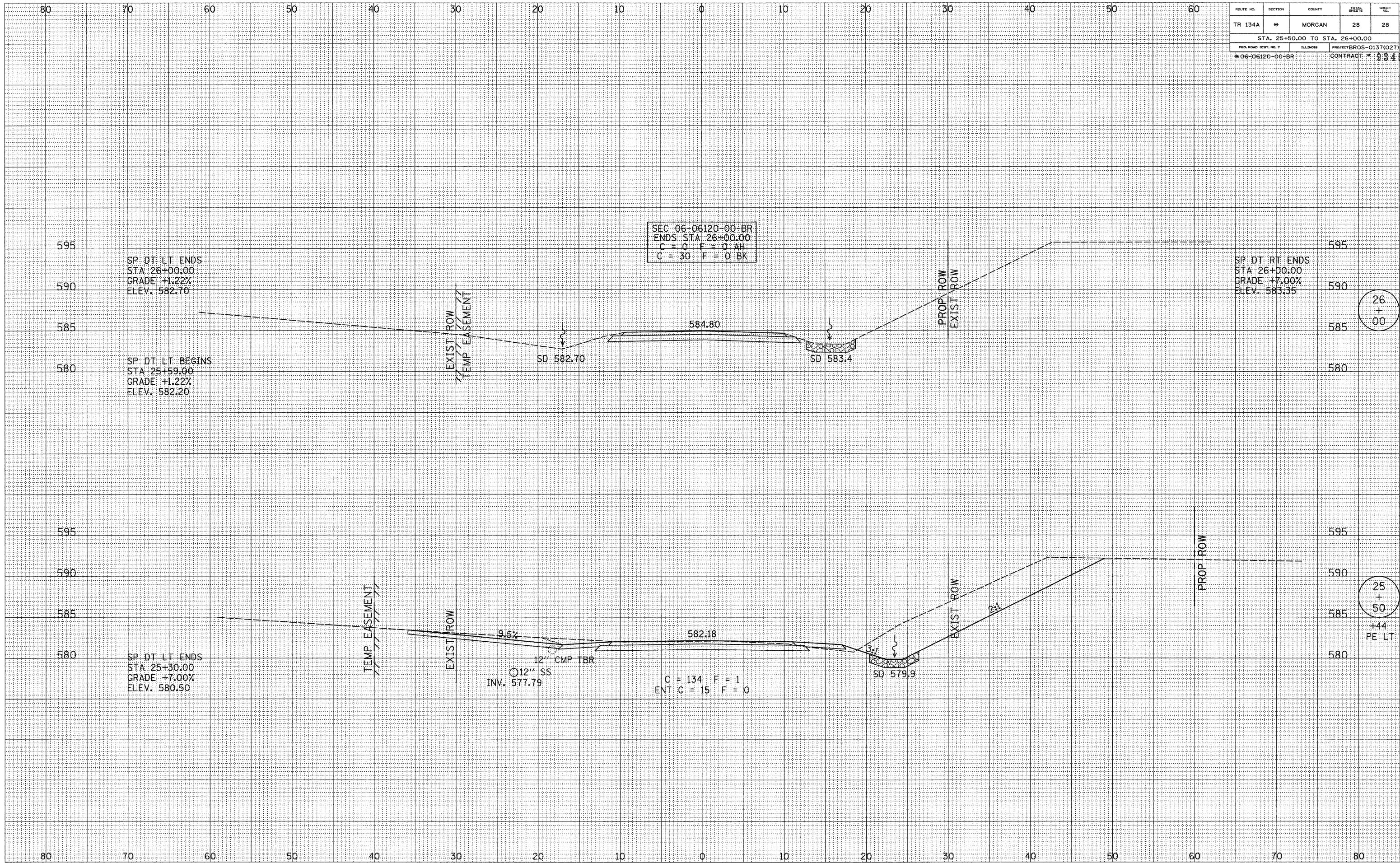
NO.	AREAS CHECKED

NO.	NOTE BOOK

DATE	BY

NO.	AREAS CHECKED

NO.	NOTE BOOK



26
+
00

25
+
50
+44
PE LT