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T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	1
Contract No. 87762		WHA# 1340D20		
ILLINOIS		PH# 92AN(359)		

INDEX OF SHEETS:

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06-11-2021 LETTING ITEM 194

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID PROJECT SURFACE TRANSPORTATION PROGRAM – BRIDGE (FY-21)

T.R. 130 (1100 E. ST.)
SECTION 17-14123-00-BR
PROJECT 92AN(359)
STRUCTURE REPLACEMENT
BUREAU COUNTY

C-93-049-21



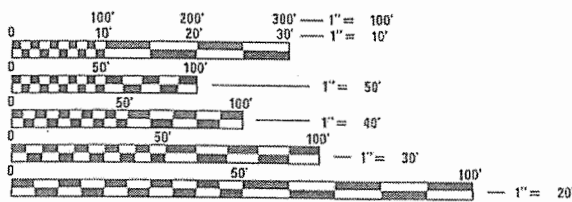
LOCATION OF SECTION INDICATED THUS: - [Symbol] -

BUREAU COUNTY HIGHWAY DEPARTMENT	
APPROVED	<i>[Signature]</i> 2021 BUREAU COUNTY ENGINEER
PASSED	<i>[Signature]</i> 2021 DISTRICT 3 LOCAL ROADS & STREETS ENGINEER
RELEASING FOR BID BASED ON LIMITED REVIEW	<i>[Signature]</i> 2021 REGION 2 ENGINEER

STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-04	NAME PLATE FOR BRIDGES
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701801-06	SIDEWALK CLOSURE OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPE A & B METAL POSTS (FOR SIGNS & MARKERS)
725001-01	OBJECT AND TERMINAL MARKERS

FOR LIST OF UTILITIES
SEE SHEET NO. 2



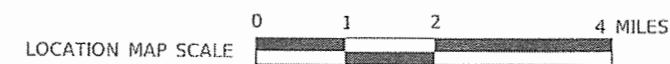
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

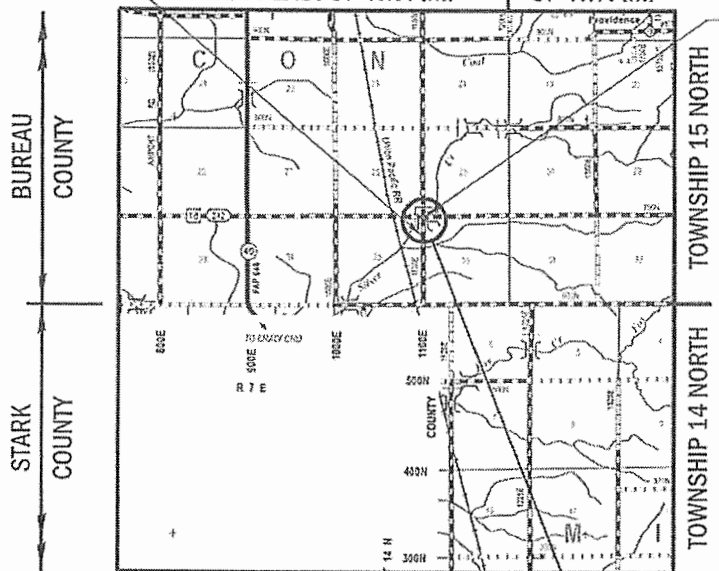
PROJECT ENGINEER – JKP
PROJECT MANAGER – DCB

CONTRACT NO. 87762

FUNCTIONAL CLASSIFICATION
LOCAL ROAD (NON-URBAN)
DESIGN SPEED 30 MPH
2021 ADT = 90
3R GUIDELINES



CONSTRUCTION BEGINS STATION 18+00
RANGE 7 EAST OF 4TH P.M.
RANGE 8 EAST OF 4TH P.M.
CONSTRUCTION ENDS STATION 23+00

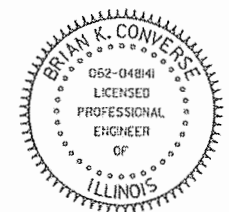


PROPOSED STRUCTURE: S.N. 006-4191
A SINGLE SPAN (1@60'-0") PRECAST PRESTRESSED CONCRETE DECK BEAM BRIDGE ON SPILL-THRU ABUTMENTS, SKEWED 10° RT. AHEAD.

GROSS LENGTH = 500 FT. = 0.095 MILE
NET LENGTH = 500 FT. = 0.095 MILE



Know what's below.
Call before you dig.



DATE: *[Signature]*
EXPIRES 11/30/21



WILLETTS HOFMANN & ASSOCIATES INC.
ENGINEERING ARCHITECTURE LAND SURVEYING

809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

GENERAL NOTES

EXISTING STRUCTURES (INCLUDING FOUNDATIONS, WALLS, CISTERNS, WELLS, OR OTHER UNDERGROUND STRUCTURES) WITHIN THE RIGHT OF WAY SHALL BE REMOVED IN ACCORDANCE WITH ARTICLE 501.04 AND 501.05 OF THE STANDARD SPECIFICATIONS, WITHOUT ADDITIONAL COMPENSATION, UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIAL PROVISIONS.

WHERE THE PROPOSED CONSTRUCTION MEETS AN EXISTING BITUMINOUS OR CONCRETE SURFACE, OR WHERE SAWING IS STATED ON THE PLANS, THE EXISTING SURFACE SHALL BE SAWED TO A SUFFICIENT DEPTH AND IN A NEAT, STRAIGHT LINE WITH NO DAMAGE TO THE EXISTING PAVEMENT TO REMAIN. COST OF SAWING SHALL BE INCIDENTAL TO THE CONTRACT.

THE FINAL TOP FOUR INCHES OF SOIL IN ANY RIGHT-OF-WAY AREA DISTURBED BY THE CONTRACTOR MUST BE A COHESIVE SOIL CAPABLE OF SUPPORTING VEGETATION.

THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS.

THE LOCATION AND ELEVATION OF UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE NOT TO BE TAKEN AS EXACT. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING UTILITIES ON OR ADJACENT TO THE SITE. PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES, CONTACT J.U.L.I.E. AT 1-800-892-0123 FOR EXACT FIELD LOCATION OF UTILITIES. CONTRACTOR SHALL USE SPECIAL CARE WHEN CONDUCTING CONSTRUCTION OPERATIONS NEAR THEM TO PREVENT DAMAGE. DAMAGE, AND THE COST TO REPAIR SAID DAMAGE, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

A MINIMUM OF 48 HOURS ADVANCED NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING UTILITIES ARE LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS:

CORN BELT ENERGY CORPORATION ATTN: JAY IVERS 1 ENERGY WAY BLOOMINGTON, IL 61028 309-662-5330 EMAIL: james.ivers@cornbeltenergy.com	FRONTIER COMMUNICATION ATTN: TERRY SPURGEON 112 ELM STREET SYCAMORE IL 61078 PHONE: (815) 895--1515 EMAIL: kalin.hinshaw@ftr.com	AT&T ATTN: WILLIAM CONOVER 8515 N INDUSTRIAL RD. PEORIA, IL 61615 PHONE : (309) 686-3317 EMAIL: wc2473@att.com
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IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING, OR TRAFFIC SIGNALS, PLEASE CONTACT IDOT DISTRICT 3 OFFICE AT 815 - 434 - 6131

SEE CROSS SECTIONS FOR SPECIAL DITCHES AND BACK SLOPES.

WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY DEBRIS IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THIS DEBRIS SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.

DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL INSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING, OR ANY OTHER METHOD ACCEPTABLE TO THE ENGINEER. THE CONTRACTORS FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE AND POSSIBLE ADDED COMPENSATION REQUIRED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES DURING THE COURSE OF THE PROJECT.

AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL SWEEP OR CLEAN (NOT FLUSH) ANY CONSTRUCTION SOIL MATERIAL FROM THE STREET TO PREVENT TRACKING.

THE ENGINEER SHALL HAVE AUTHORIZATION TO DETERMINE THE ADEQUACY OF THE CONTRACTOR'S EROSION CONTROL EFFORTS. THE OWNER SHALL HAVE AUTHORITY TO SUSPEND OR LIMIT THE CONTRACTOR'S OPERATIONS PENDING ADEQUATE PERFORMANCE.

HORIZONTAL CONTROL

BUREAU COUNTY BRIDGE REPLACEMENT T.R. 130 OVER SILVER CREEK				
PT #	LOCATION	NORTHING	EASTING	DESCRIPTION
MN 1	22.15' LT. STA. 16+69.21	1,668,398.773	2,440,073.069	5/8" IPS
MN 2	10.60' LT. STA. 19+45.02	1,668,674.859	2,440,082.789	5/8" IPS
MN 3	13.48' RT. STA. 20+45.81	1,668,775.707	2,440,106.629	5/8" IPS
MN 4	18.48' LT. STA. 23+11.45	1,669,041.321	2,440,074.754	5/8" IPS

BENCHMARKS

BUREAU COUNTY BRIDGE REPLACEMENT T.R. 130 OVER SILVER CREEK			
B.M.	LOCATION	DESCRIPTION	ELEV.
MN 400	2ND POLE S. OF STRUCTURE	RR SPIKE IN UTILITY POLE	763.21
MN 401	30' RT. STA. 17+79	RR SPIKE IN UTILITY POLE	761.67
MN 402	10' LT. STA. 20+23	CHIS "□" ON NW COR. OF STRUCTURE	762.25
MN 403	34' RT. STA. 23+03	RR SPIKE IN UTILITY POLE	765.12



DESIGNED - JKP	REVISED -
CHECKED - DCB	REVISED -
DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

GENERAL NOTES & PROJECT CONTROL

SHEET NO. 1 OF 1 SHEET

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	2
Contract No. 87762		WHA# 1340D20		
ILLINOIS		PN# 92AN(359)		

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SUMMARY OF QUANTITIES
CONSTRUCTION TYPE CODE: 0010

CODE NO.	ITEM	UNIT	QUANTITY
20300100	CHANNEL EXCAVATION	CU YD	71
20400800	FURNISHED EXCAVATION	CU YD	116
25100630	EROSION CONTROL BLANKET	SQ YD	1,700
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	37
28000305	TEMPORARY DITCH CHECKS	FOOT	64
28000400	PERIMETER EROSION BARRIER	FOOT	538
* 28100209	STONE RIPRAP, CLASS A5	TON	475
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	665
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
* 50300225	CONCRETE STRUCTURES	CU YD	29.4
50300280	CONCRETE ENCASEMENT	CU YD	3.6
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1,440
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3,560
Δ * 50900205	STEEL RAILING, TYPE S1	FOOT	123
51201610	FURNISHING STEEL PILES HP12X63	FOOT	316
51202305	DRIVING PILES	FOOT	316
51203610	TEST PILE STEEL HP12X63	EACH	2
51204650	PILE SHOES	EACH	10
51500100	NAME PLATES	EACH	1
67100100	MOBILIZATION	L SUM	1
Δ 72500300	OBJECT MARKER - TYPE 3	EACH	4
Δ 72900100	METAL POST - TYPE A	FOOT	44

*SEE SPECIAL PROVISIONS Δ SPECIALTY ITEMS

SUMMARY OF QUANTITIES
CONSTRUCTION TYPE CODE: 0010

CODE NO.	ITEM	UNIT	QUANTITY
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1
* X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	244
* X2070302	POROUS GRANULAR EMBANKMENT, SPECIAL	TON	138
* X2501100	SEEDING, CLASS 3 (SPECIAL)	ACRE	0.37
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1

*SEE SPECIAL PROVISIONS

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CHECKED - BKC	REVISED -

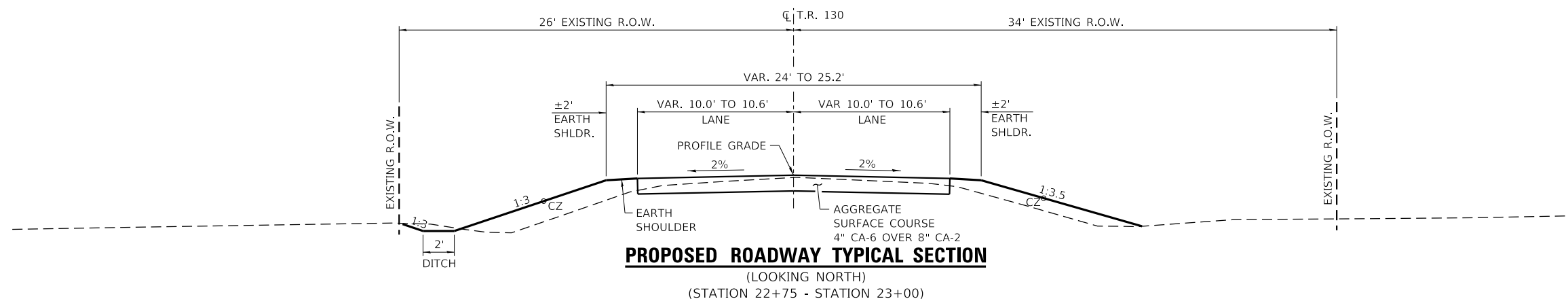
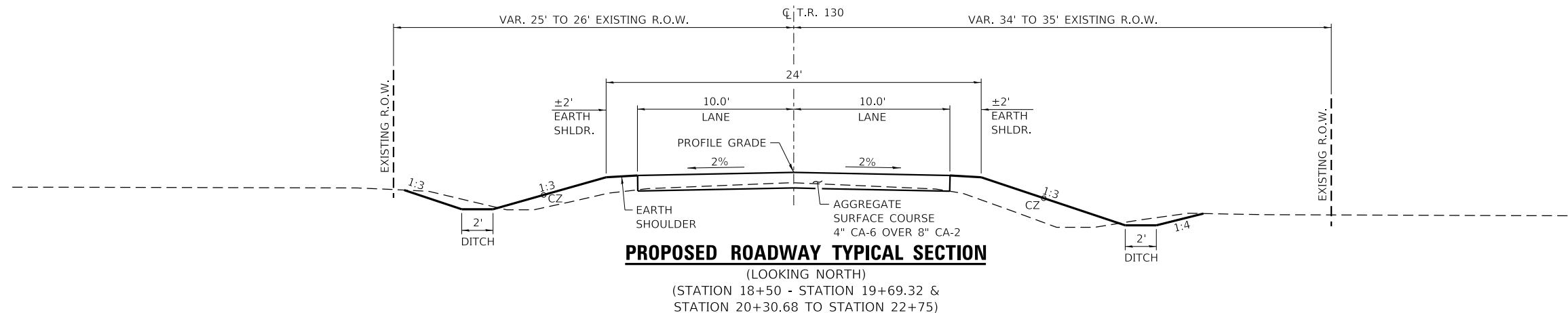
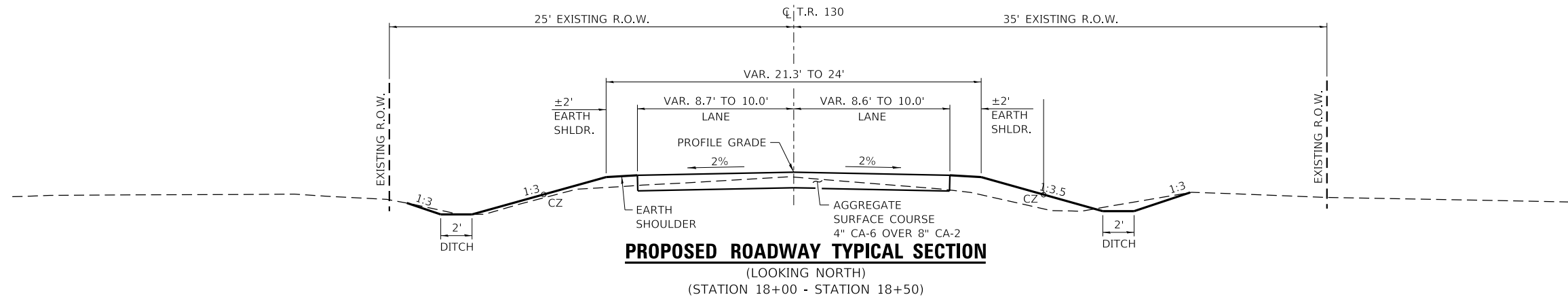
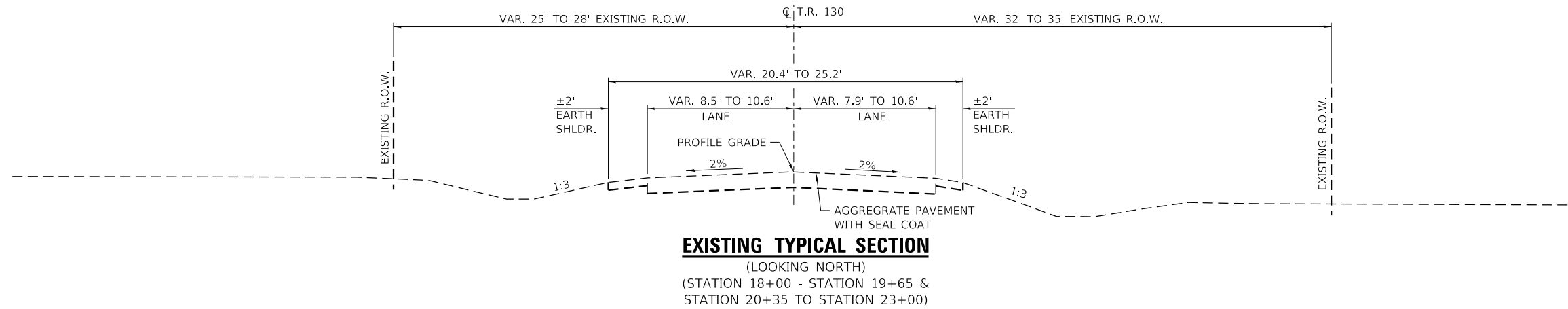
BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

SUMMARY OF QUANTITIES

SHEET NO. 1 OF 1 SHEET

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	3
Contract No. 87762			WHA*	1340020
ILLINOIS			PN*	92AN(359)

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DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20+00

TYPICAL SECTIONS
SHEET NO. 1 OF 1 SHEET

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	4
Contract No. 87762			WHA# 1340D20	
ILLINOIS			PN# 92AN(359)	

SCHEDULE OF QUANTITIES

TR 130 EARTHWORK TOTALS				
LOCATION	EARTH EXCAVATION (SPECIAL) *X2020410	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE 25%	*EMBANKMENT	EARTHWORK BALANCE (+) WASTE OR (-) FURNISHED EXCAVATION 20400800
	CU YD	CU YD	CU YD	CU YD
STA 18+00 - 23+00	244	183	299	-116
PROJECT TOTAL	244	183	299	-116

FOR INFORMATION ONLY, SEE SPECIAL PROVISIONS FOR EARTH EXCAVATION (SPECIAL)

SCHEDULE OF QUANTITIES - CONT.

PERIMETER EROSION BARRIER		
STATION	FOOT	REMARKS
LT STA 18+00 - 19+57	157	
RT STA 18+00 - 19+63	163	
LT STA 20+38 - 21+00	62	
RT STA 20+44 - 22+00	156	
PROJECT TOTAL	538	

28000400

SCHEDULE OF QUANTITIES - CONT.

SEEDING, CLASS 3 (SPECIAL)		
STATION	ACRE	REMARKS
LT STA 18+00 - 19+68	0.05	
RT STA 18+00 - 19+72	0.09	
LT STA 20+28 - 23+00	0.09	
RT STA 20+33 - 23+00	0.14	
PROJECT TOTAL	0.37	

*X2501100

EROSION CONTROL BLANKET

STATION	SQ. YD.	REMARKS
LT STA 18+00 - 19+68	239	
RT STA 18+00 - 19+72	419	
LT STA 20+28 - 23+00	400	
RT STA 20+33 - 23+00	642	
PROJECT TOTAL	1700	

25100630

AGGREGATE SURFACE COURSE, TYPE A

STATION	TON	REMARKS
		4" CA-6 OVER 8" CA-2
STA 18+00 - 19+71	254	ROADWAY BASE - 12"
STA 20+29 - 23+00	411	ROADWAY BASE - 12"
		2.05 TON / CU YD
PROJECT TOTAL	665	

*40200100

TEMPORARY EROSION CONTROL SEEDING

STATION	POUND	REMARKS
		100 lb. / ACRE
LT STA 18+00 - 19+68	5	
RT STA 18+00 - 19+72	9	
LT STA 20+28 - 23+00	9	
RT STA 20+33 - 23+00	14	
PROJECT TOTAL	37	

28000250

OBJECT MARKER - TYPE 3

STATION	EACH	REMARKS
13.8' LT STA 19+65.87	1	
14.2' RT STA 19+70.80	1	
14.2' LT STA 20+29.20	1	
13.8' RT STA 20+34.13	1	
PROJECT TOTAL	4	

72500300

TEMPORARY DITCH CHECKS

STATION	FOOT	REMARKS
LT STA 19+50	8	
RT STA 19+50	8	
LT STA 20+50	8	
RT STA 20+50	8	
RT STA 21+50	8	
LT STA 21+75	8	
RT STA 22+00	8	
RT STA 22+50	8	
PROJECT TOTAL	64	

28000305

METAL POST - TYPE A

STATION	FOOT	REMARKS
13.8' LT STA 19+65.87	11	OBJECT MARKER - TYPE 3
14.2' RT STA 19+70.80	11	OBJECT MARKER - TYPE 3
14.2' LT STA 20+29.20	11	OBJECT MARKER - TYPE 3
13.8' RT STA 20+34.13	11	OBJECT MARKER - TYPE 3
PROJECT TOTAL	44	

72500300



DESIGNED - JKP
CHECKED - DCB
DRAWN - RDA
CHECKED - BKC

REVISED -
REVISED -
REVISED -
REVISED -

BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

SCHEDULE OF QUANTITIES

SHEET NO. 1 OF 1 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	5

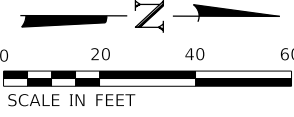
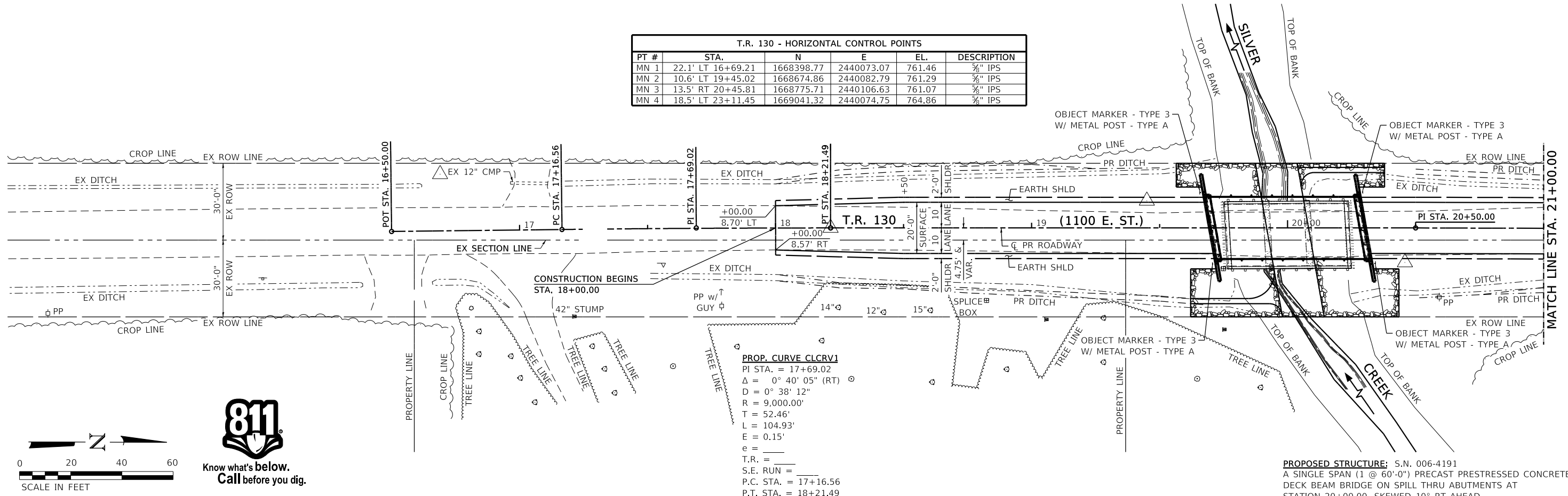
Contract No. 87762
WH# 1340D20
ILLINOIS PN# 92AN(359)

PLAN	SURVEYED	BY	DATE
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	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		

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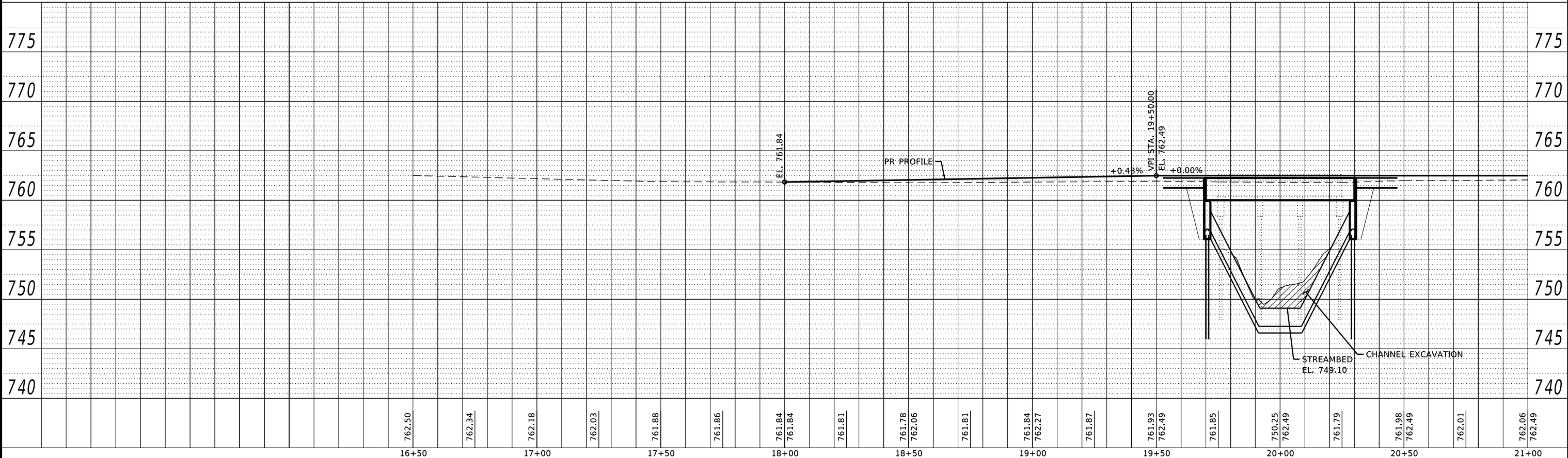
T.R. 130 - HORIZONTAL CONTROL POINTS					
PT #	STA.	N	E	EL.	DESCRIPTION
MN 1	22.1' LT 16+69.21	1668398.77	2440073.07	761.46	3/8" IPS
MN 2	10.6' LT 19+45.02	1668674.86	2440082.79	761.29	3/8" IPS
MN 3	13.5' RT 20+45.81	1668775.71	2440106.63	761.07	3/8" IPS
MN 4	18.5' LT 23+11.45	1669041.32	2440074.75	764.86	3/8" IPS



811
Know what's below.
Call before you dig.

PROP. CURVE CLRVT
 PI STA. = 17+69.02
 $\Delta = 0^\circ 40' 05''$ (RT)
 $D = 0^\circ 38' 12''$
 $R = 9,000.00'$
 $T = 52.46'$
 $L = 104.93'$
 $E = 0.15'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 17+16.56
 P.T. STA. = 18+21.49

PROPOSED STRUCTURE: S.N. 006-4191
 A SINGLE SPAN (1 @ 60'-0") PRECAST PRESTRESSED CONCRETE
 DECK BEAM BRIDGE ON SPILL THRU ABUTMENTS AT
 STATION 20+00.00, SKEWED 10° RT AHEAD.



DESIGNED - GFS	REVISIED -
CHECKED - DCB	REVISIED -
DRAWN - DLB	REVISIED -
CHECKED - GFS	REVISIED -

BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

PLAN AND PROFILE
 SCALE: 1" = 20'-0"
 SHEET NO. 1 OF 2 SHEETS
 STA. 16+50 TO STA. 21+00

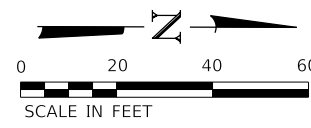
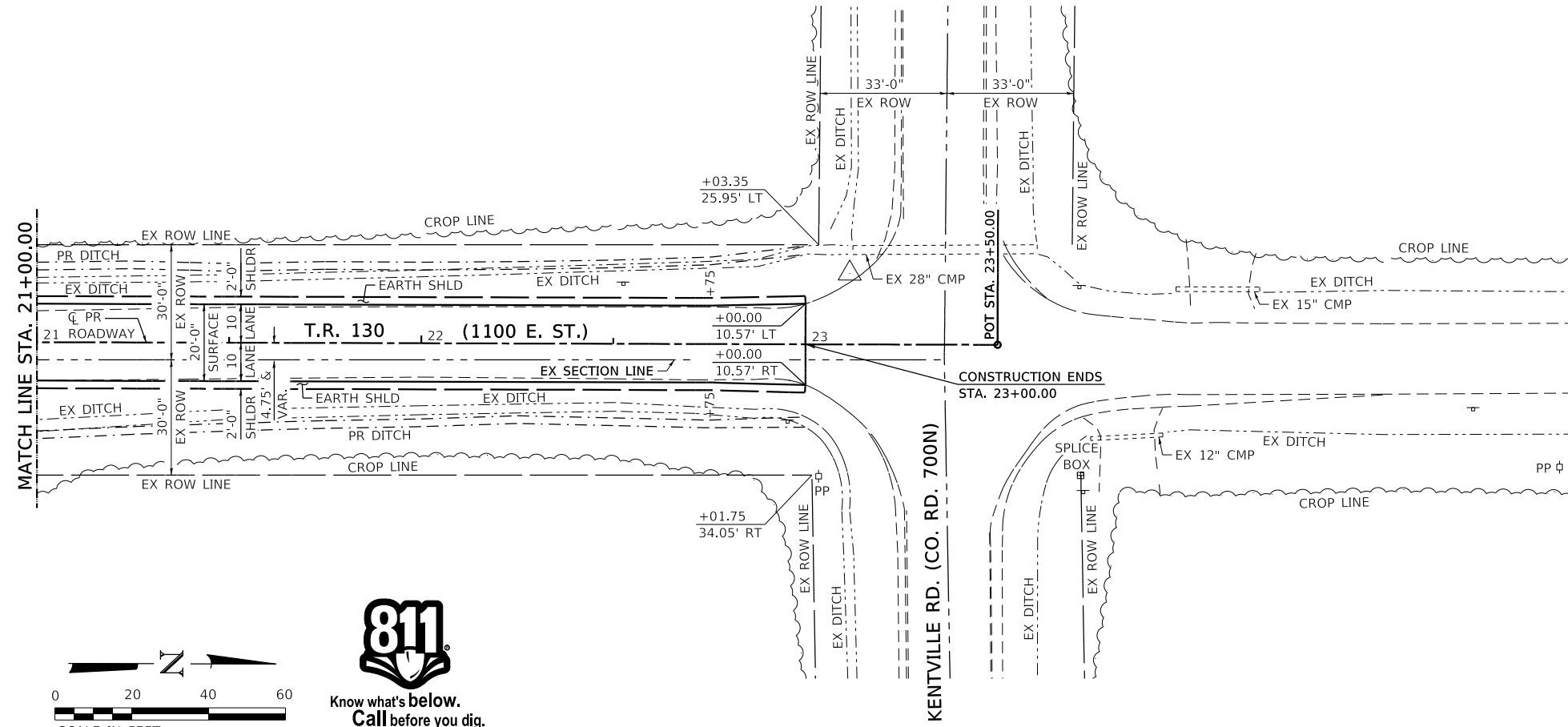
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	6
Contract No. 87762		WHA# 1340020		
ILLINOIS		PN# 92AN(359)		

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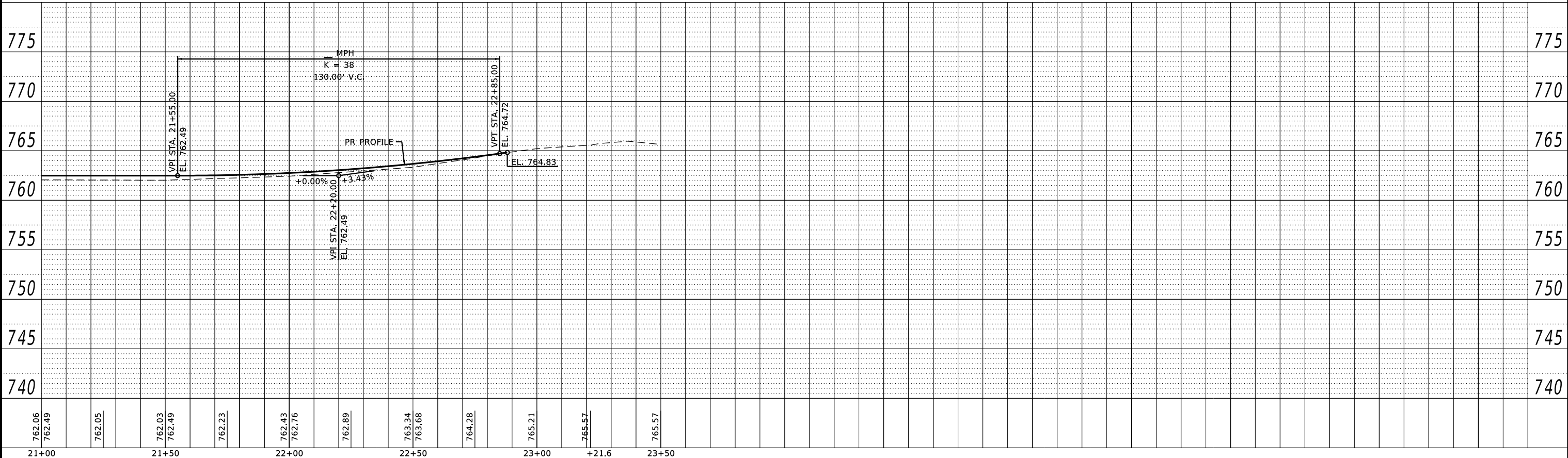
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PROFILE	SURVEYED	BY	DATE
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	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		

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811
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 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T: 815-284-3381 DESIGN FIRM: #184-00018

DESIGNED - GFS
 CHECKED - DCB
 DRAWN - DLB
 CHECKED - GFS

REVISED -
 REVISED -
 REVISED -
 REVISED -

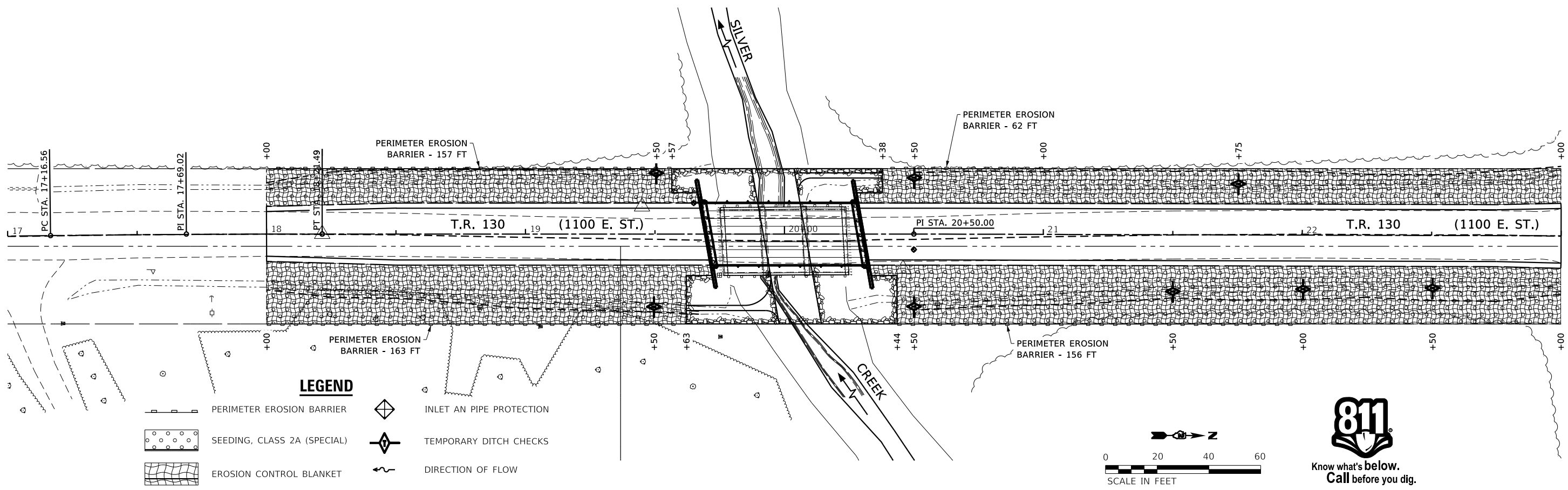
BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

PLAN AND PROFILE

SCALE: 1" = 20'-0"
 SHEET NO. 2 OF 2 SHEETS
 STA. 21+00 TO STA. 23+50

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	7
Contract No. 87762			WHA# 1340020	
ILLINOIS			PN# 92AN(359)	

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EROSION CONTROL NOTES

THE SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSPECTED WEEKLY AND AFTER ½" OF RAIN OR MORE BY THE INDIVIDUAL ON SITE IN CHARGE OF SOIL EROSION AND SEDIMENT CONTROL DURING THE CONSTRUCTION OF THE PROJECT.

PERIMETER EROSION BARRIER SHALL COMPLY WITH SECTION 280 OF THE STANDARD SPECIFICATIONS AND SHALL BE PLACED AS SHOWN ON THE EROSION CONTROL PLAN AND IN ACCORDANCE WITH STATIONS SHOWN ON THE SCHEDULE OF QUANTITIES SHEET OR AS DIRECTED BY THE ENGINEER.

SILT FENCE SHALL BE INSTALLED FOLLOWING THE COMPLETION AND STABILIZATION OF ALL AREAS ADJACENT TO THE ON-SITE DRAINAGES. THE SILT FENCE WILL REMAIN IN PLACE UNTIL THE CONTRIBUTING AREA IS STABILIZED.

FOR SEEDING, CLASS 3 (SPECIAL) SEE SPECIAL PROVISIONS.

EROSION CONTROL BLANKET SHALL BE PLACED IN DITCHES AND TO ALL DISTURBED AREAS AS SHOWN ON THIS EROSION CONTROL PLAN SHEET AND IN ACCORDANCE WITH SECTION 251 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE USE OF GREEN DYE IN THE EROSION CONTROL BLANKET IS NOT ACCEPTABLE.

TEMPORARY DITCH CHECKS SHALL COMPLY WITH SECTION 280 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STANDARD 280001-07.

TEMPORARY DITCH CHECKS SHALL BE PLACED AT STATIONS CALLED OUT IN THE SCHEDULE OF QUANTITIES OR AS DIRECTED BY THE ENGINEER.

STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES TO REMAIN IN PLACE FOR 14 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.

ALL ADJACENT ENTRANCES MUST BE KEPT CLEAR OF DEBRIS. INSPECTED DAILY AND CLEANED WHEN NECESSARY.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
EROSION CONTROL BLANKET	SQ YD	1700
TEMPORARY EROSION CONTROL SEEDING	POUND	37
TEMPORARY DITCH CHECKS	FOOT	64
PERIMETER EROSION BARRIER	FOOT	538
SEEDING, CLASS 3 (SPECIAL)	ACRE	0.37



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DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

EROSION CONTROL PLAN
 SCALE: 1" = 20'-0"
 SHEET NO. 1 OF 2 SHEETS
 STA. 17+00 TO STA. 23+00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	8
Contract No. 87762			WHA# 1340D20	
ILLINOIS			PN# 92AN(359)	

STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM SEWER WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SECTION 280, TEMPORARY EROSION CONTROL, OF THE STANDARD SPECIFICATIONS ADDITIONALLY SUPPLEMENTS THIS PLAN.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

1. THE PROJECT CONSISTS OF A BRIDGE REPLACEMENT ON T.R. 130 OVER SILVER CREEK & APPROACH ROADWAY WORK THERETO.
2. CONSTRUCTION INCLUDES EARTH EXCAVATION, CHANNEL EXCAVATION, VARIOUS PAVEMENT ITEMS, AND OTHER MISCELLANEOUS ITEMS OF CONSTRUCTION.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

1. EARTH EXCAVATION.
2. CHANNEL EXCAVATION.
3. FURNISHED EXCAVATION.
4. ROADWAY AGGREGATE BASE AND SHOULDERS
5. PLACEMENT OF PERMANENT EROSION CONTROL INCLUDING SEEDING AND RIPRAP.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 0.69 ACRES OF WHICH 0.69 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM SOIL BORINGS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

SILVER CREEK AND FOX CREEK

CONTROLS – EROSION CONTROLS AND SEDIMENT CONTROL

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION.

1. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, PERIMETER EROSION BARRIER, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

- (A) AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
- (B) DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.

- (C) AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.
 - (D) BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODIBLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN 7 DAYS.
 - (E) AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), TEMPORARY DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE.
2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVER SEEDING CAN BE COMPLETED.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.
 - (A) WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
 - (B) EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN 14 DAYS.
 - (C) AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
 - I. PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
 - II. TEMPORARILY SEED ERODIBLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE AREA WITHIN THE CONTRACT LIMITS.
 - (D) EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS.
 - (E) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
 - (F) THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 INCH OR GREATER OR EQUIVALENT SNOWFALL DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.
 - (G) SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.
 - (H) THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING

1. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED.
2. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEEDED.

MAINTENANCE AFTER CONSTRUCTION

1. CONSTRUCTION IS COMPLETE AFTER ESTABLISHED GROWTH & DIRECTED TO REMOVE EROSION CONTROL.

MISCELLANEOUS

ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.



DESIGNED - JKP	REVISED -
CHECKED - DCB	REVISED -
DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

EROSION CONTROL PLAN	
SHEET NO. 2 OF 2 SHEETS	

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	9
Contract No. 87762			WHA# 1340D20	
ILLINOIS			PN# 92AN(359)	

PRINT ORIGINATOR: B.V. L.C. 3/20/2021 14:05:22 PM - PLOTTED

Existing Structure: S.N. 006-4201 built in 1960, the structure consists of three span (15'-6", 16'-0", 15'-6") PC Channel beam bridge on timber pile supported abutments and piers. Structure to be removed and replaced. Road will be closed to traffic during construction.

Bench Mark #402: Chiseled "I" in N.W. corner of structure on hub guard, El. 762.25

BILL OF MATERIAL - BRIDGE

ITEM	UNIT	SUB.	SUPER.	TOTAL
Channel Excavation	Cu Yd	71	---	71
Stone Riprap, Class A5	Ton	475	---	475
Removal Of Existing Structures	Each	---	1	1
Concrete Structures	Cu Yd	29.4	---	29.4
Concrete Encasement	Cu Yd	3.6	---	3.6
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq Ft	---	1,440	1,440
Reinforcement Bars, Epoxy Coated	Pound	3,560	---	3,560
Steel Railing, Type S-1	Foot	---	123	123
Furnishing Steel Piles HP12x63	Foot	316	---	316
Driving Piles	Foot	316	---	316
Test Pile Steel HP12x63	Each	2	---	2
Pile Shoes	Each	10	---	10
Name Plates	Each	1	---	1
Porous Granular Embankment, Special	Ton	138	---	138

*See Special Provisions

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

The channel shall be transitioned to fit the proposed structure inside the Right of Way. Cost shall be included in price per Cubic Yard for Channel Excavation.

Contractor shall not have any equipment on existing structure at any time.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.

WATERWAY INFORMATION

Drainage Area = 4.41 Sq. Mi.		Low Grade Elev. 760.00 @ Sta. 20+00							
Flood	Freq. Yr.	Q C.F.S.	Opening Ft ²		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist. Prop.	
Design	10	1,100	248	306	758.00	0.18	0.11	758.18	758.11
Base	100	2,040	311	389	759.49	1.24	1.10	760.75	760.59
Scour Check	200	2,342	325	407	759.82	1.23	1.02	761.05	760.84
Max. Calc	500	2,760	341	418	760.21	1.37	1.07	761.58	761.28

LOADING HL-93

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

DESIGN STRESSES

FIELD UNITS

f'c = 4,000 psi
fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
f'ci = 5,000 psi
f's = 270,000 psi (0.5" Ø low lax. strands)
fpbt = 201,960 psi (0.5" Ø low lax. strands)

HIGHWAY CLASSIFICATION

T.R. 130 (1100 E. Street)
Functional Class: Local Road
ADT: 90 (2021)
ADTT: 0 (2021)
Design Speed: 30 m.p.h.
Two-Way Traffic
Directional Distribution: 50:50

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition
Range 7 E., Range 8 E.,
4th P.M., 4th P.M.

DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)			Item 113
	S. Abut.	N. Abut.	Item 113	
Q100	756.92	756.92	8	
Q200	756.92	756.92		
Design Check	756.92	756.92		

GENERAL PLAN AND ELEVATION

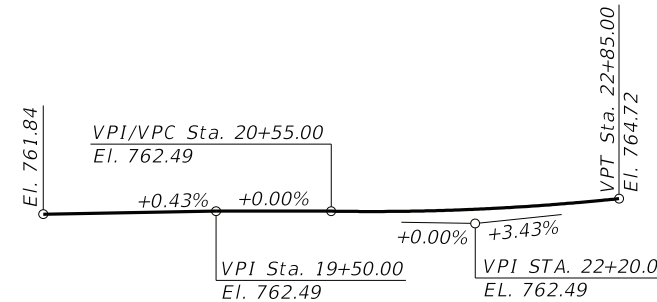
**T.R. 130 (1100 E. STREET)
OVER SILVER CREEK
SEC. 17-14123-00-BR
BUREAU COUNTY
STATION 20+00
STRUCTURE NO. 006-4191**

INDEX OF SHEETS

- 1 General Plan and Elevation
- 2 Riprap Layout
- 3 27"x36" PPC Deck Beam
- 4 27"x36" PPC Deck Beam Details
- 5 South Abutment Details
- 6 North Abutment Details
- 7 Steel Railing, Type S-1 Details
- 8 HP Pile Details
- 9-12 Boring Logs

PROFILE GRADE

(Along \bar{C} roadway)



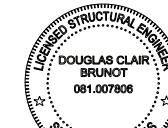
SILVER CREEK
BUILT 2021 BY
BUREAU COUNTY
SECTION 17-14123-00-BR
T.R. 130 STATION 20+00
STR. NO. 006-4191 LOADING HL-93

NAME PLATE LETTERING

Refer to Std. 51500

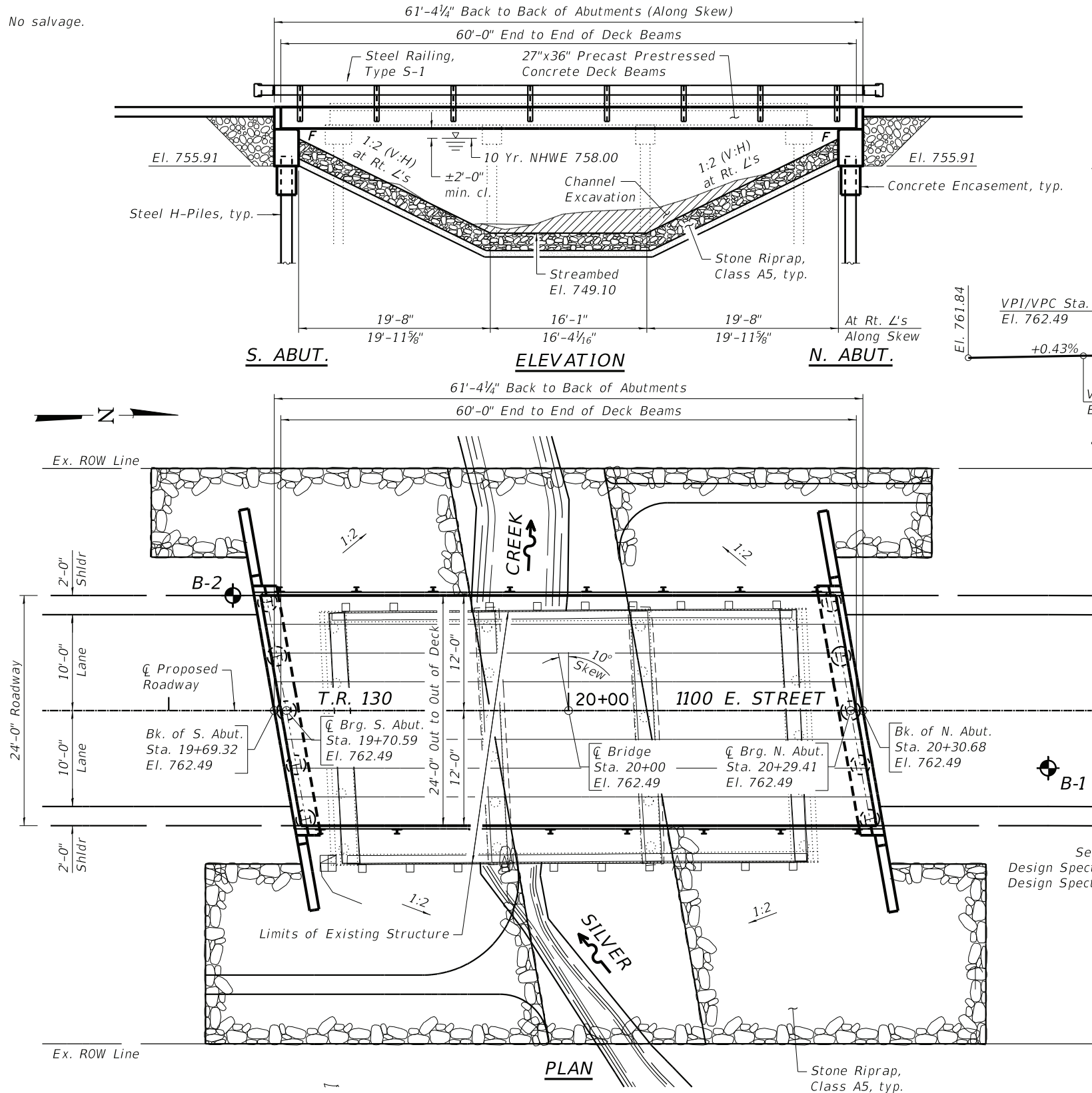
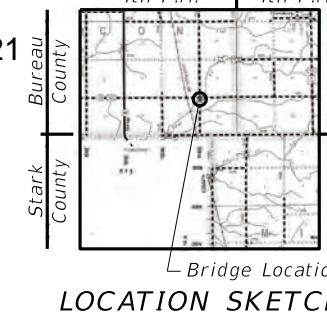
SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.098 g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.155 g
Soil Site Class = D



DATE: 04/01/2021
EXPIRES 11/30/22

"I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BRIDGE DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS, THE DESIGN IS AN ECONOMICAL ONE COMPLIES WITH REQUIREMENTS OF THE CURRENT 'AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES'."



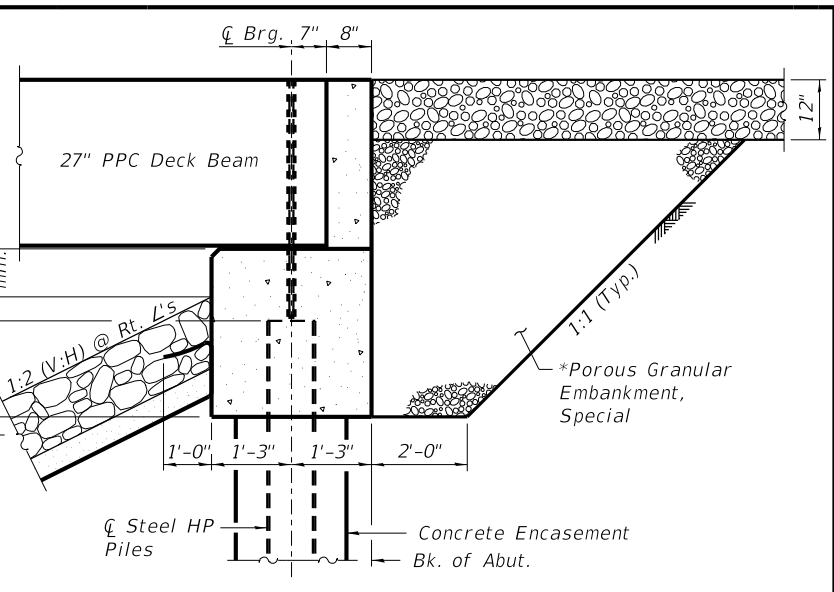
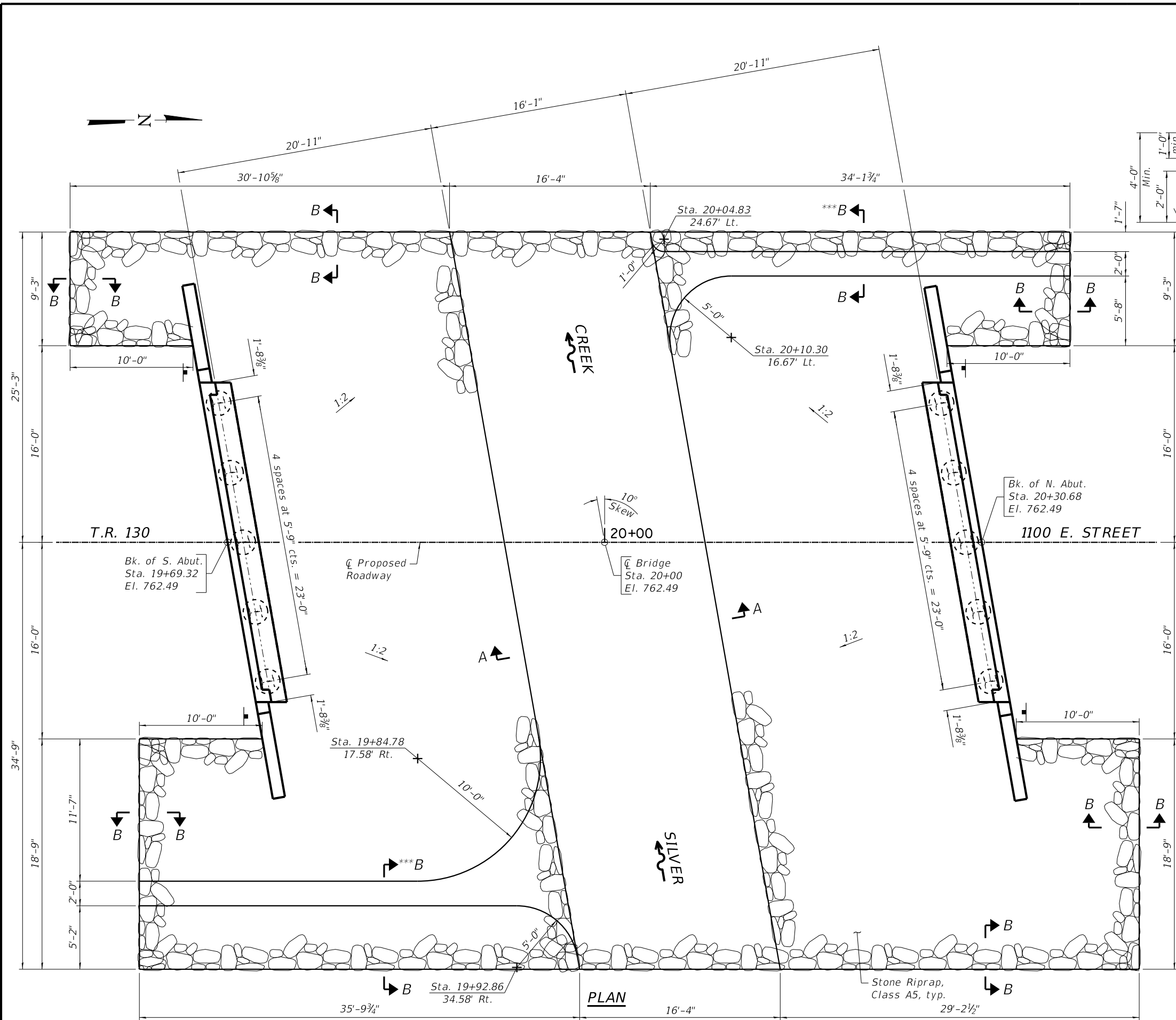
**BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20+00**

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DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

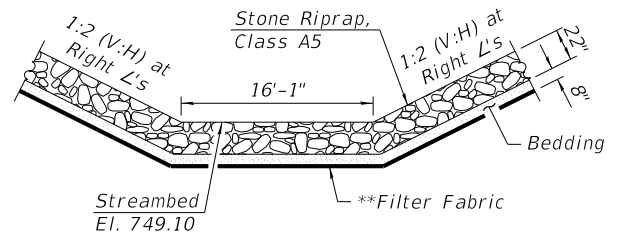
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	10
Contract No. 87762			WHA# 1340D20	
ILLINOIS			PN# 92ANI359	

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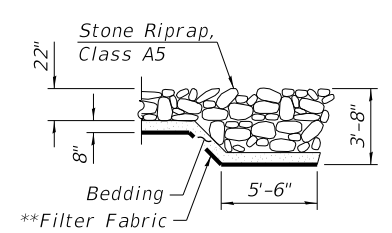




SECTION THRU ABUTMENT
(Horiz. dim. @ Rt. L's)



SECTION A-A



SECTION B-B

BILL OF MATERIAL

Item	Unit	Quantity
Stone Riprap, Class A5	Ton	475

NOTE:
 * Pay Limits of Granular Backfill for Structures shall extend to 2'-0" in from the end of each wingwall.
 ** Cost included in Stone Riprap, Class A5.
 *** See cross sections for ditch.

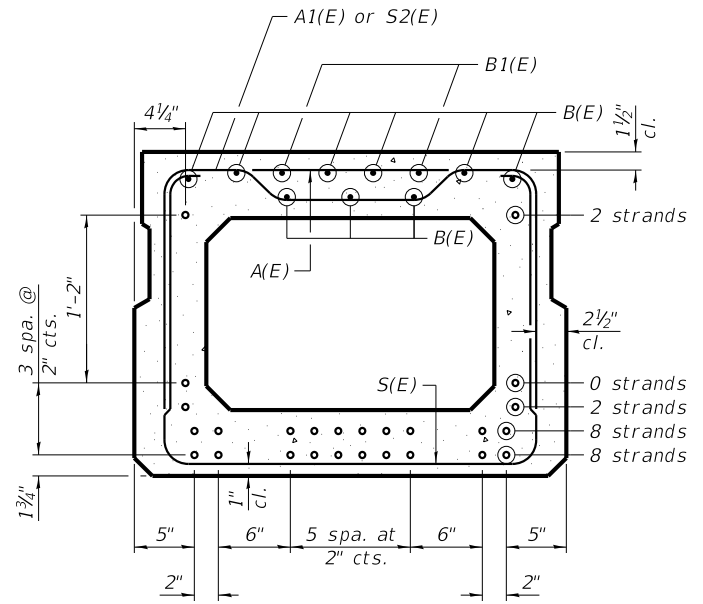
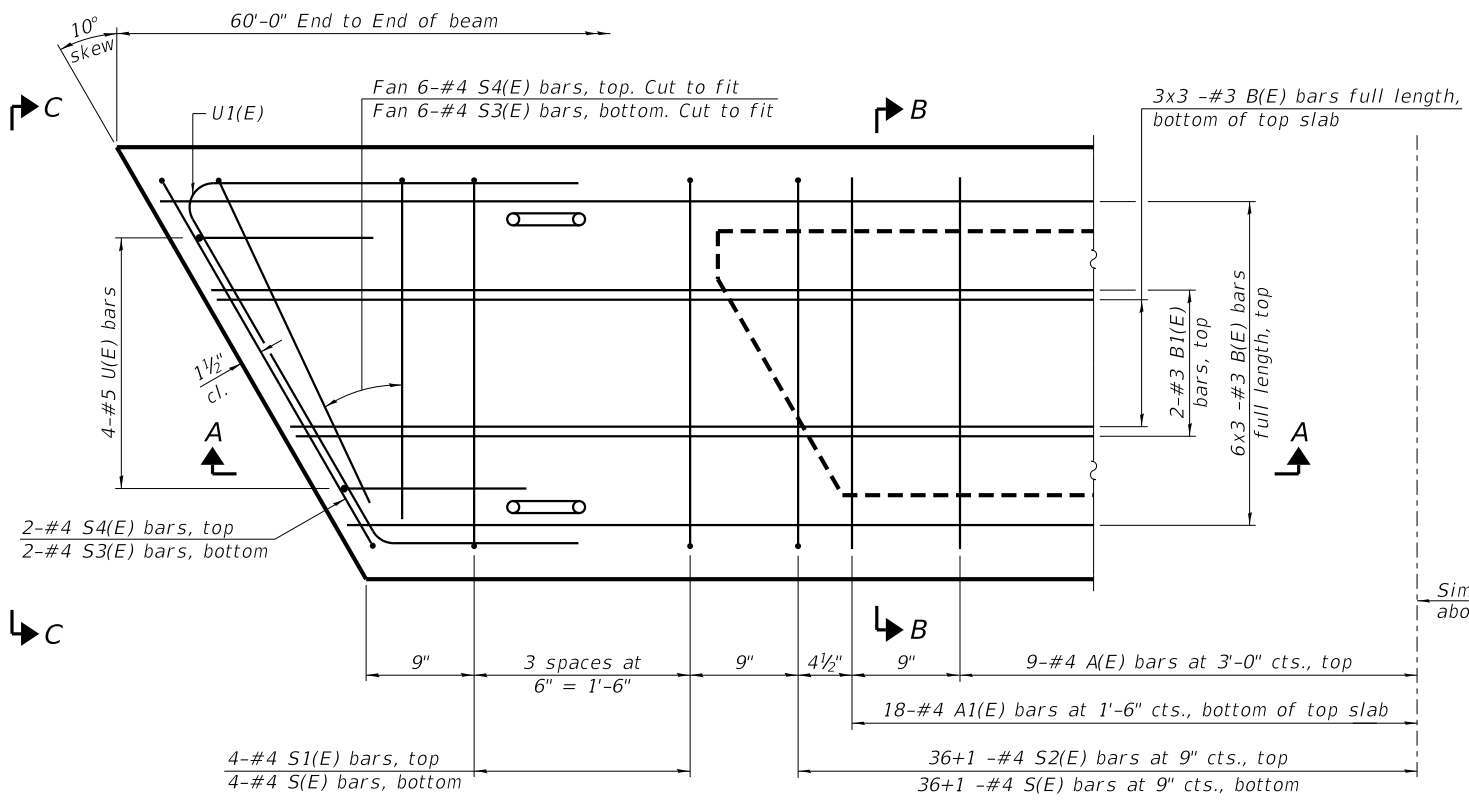
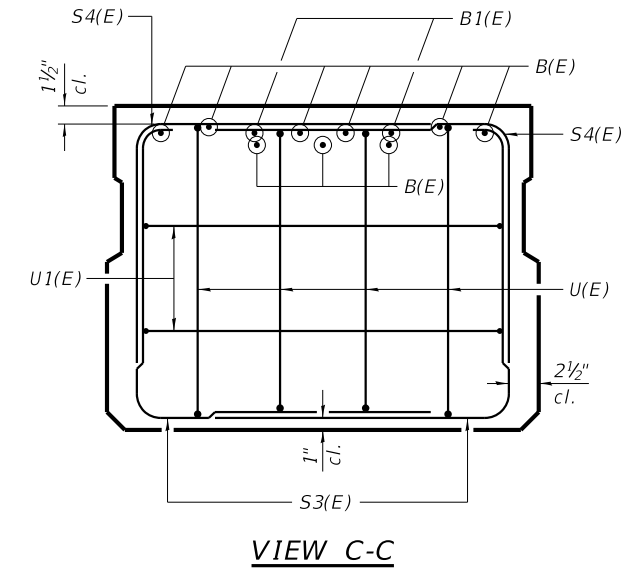
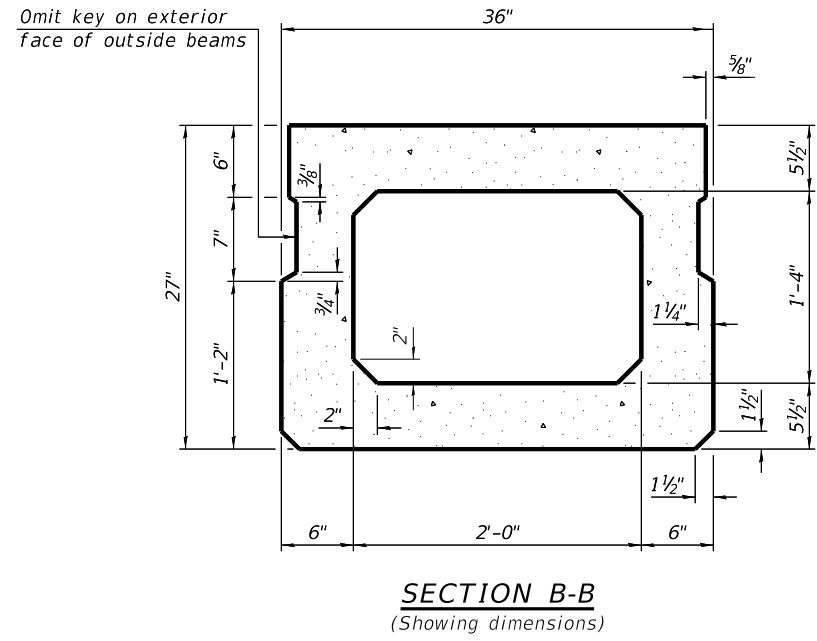
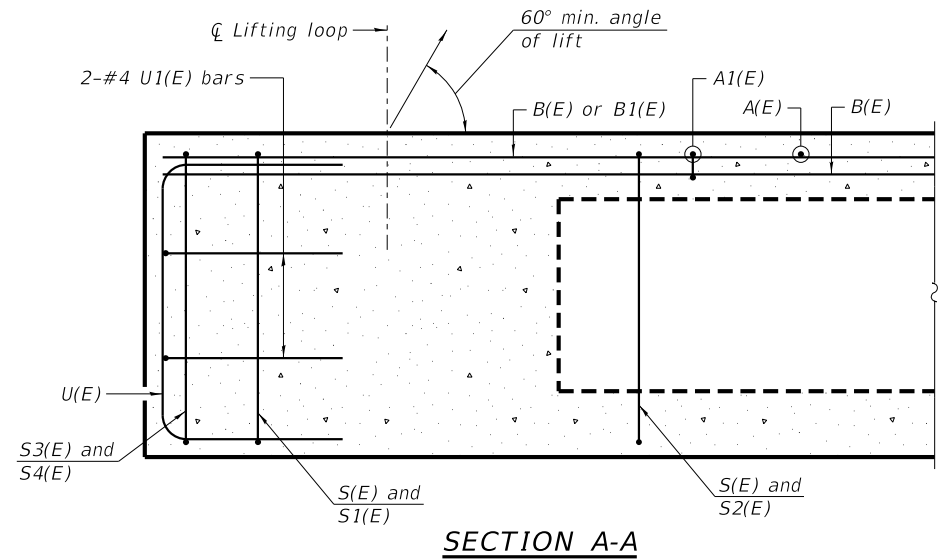


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CHECKED - DCB	REVISED -
DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

RIPRAP AND PILE LAYOUT
STRUCTURE NO. 006-4191
 STRUCTURAL SHEET 2 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	11
Contract No. 87762			WHA# 1340D20	
ILLINOIS			PN# 92AN(359)	



BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	18	#4	2'-7"	—
A1(E)	36	#4	2'-10"	~
B(E)	27	#3	21'-0"	—
B1(E)	4	#3	10'-0"	—
S(E)	81	#4	7'-5"	⌋
S1(E)	8	#4	5'-11"	⌋
S2(E)	73	#4	6'-2"	⌋
S3(E)	16	#4	5'-2"	⌋
S4(E)	16	#4	4'-5"	⌋
U(E)	8	#5	4'-6"	⌋
U1(E)	4	#4	5'-11"	⌋

PLAN VIEW

NOTES:
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.
Bars indicated thus 6x3 -#3 etc., indicates 6 lines of bars with 3 lengths per line.
Bars indicated thus 36+1 -#4 etc., indicates 36 bars each side of centerline plus 1 additional bar at centerline.

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
#3 bar = 1'-6"

NOTE:
See structural sheet 4 of 12 for additional details and Bill of Material.

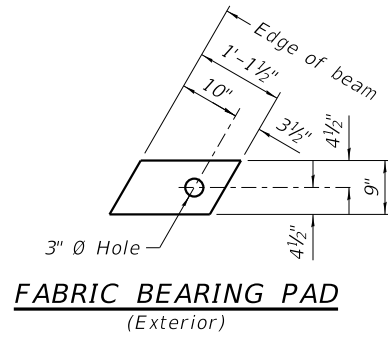
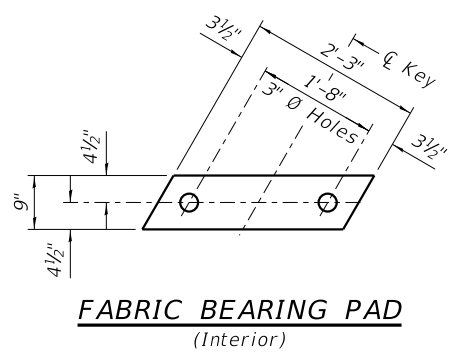


DESIGNED - JKP	REVISED -
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DRAWN - RDA	REVISED -
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BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

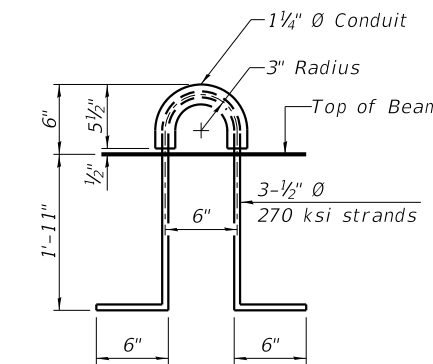
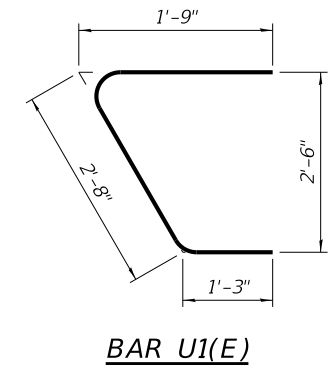
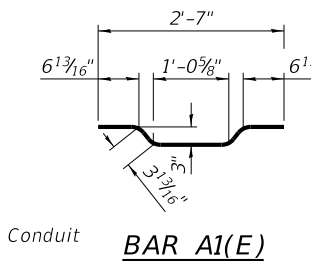
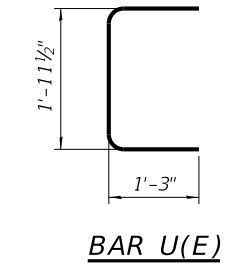
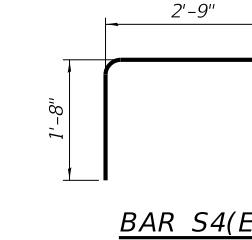
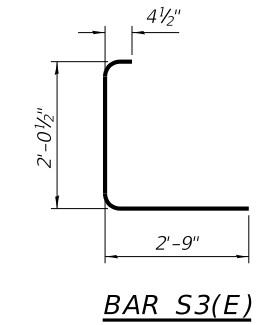
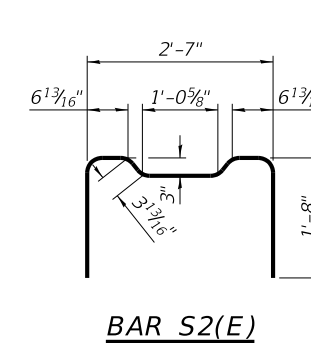
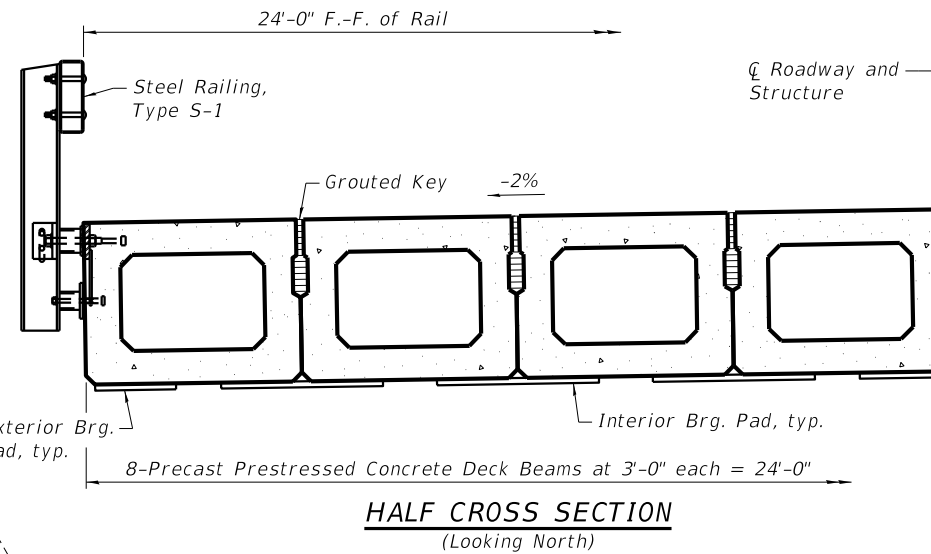
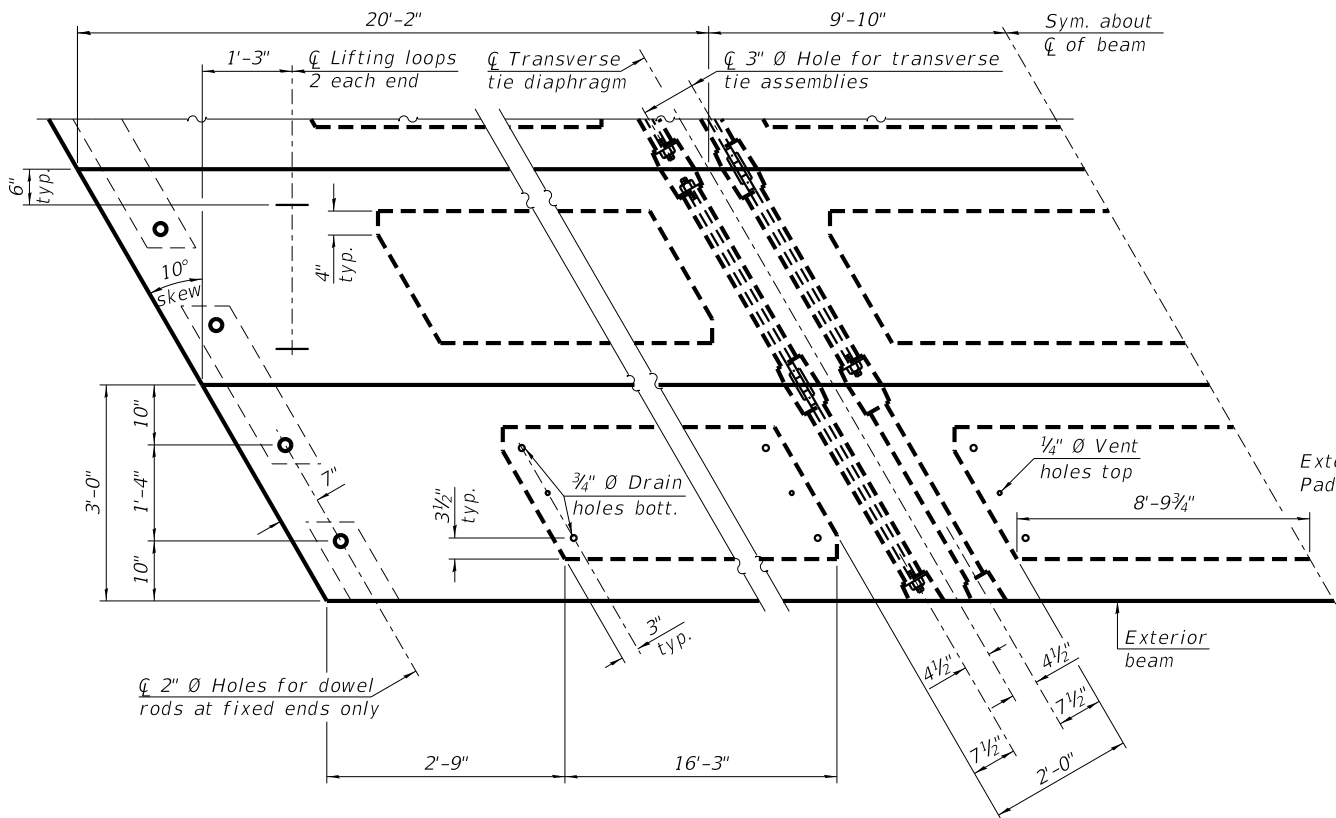
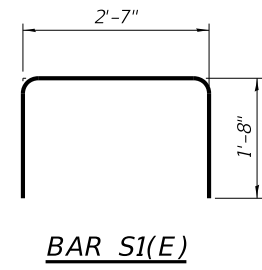
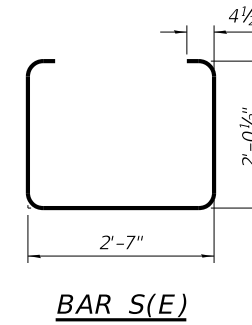
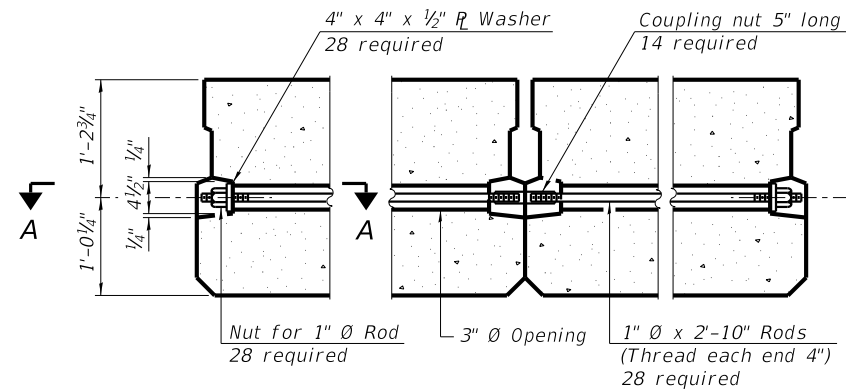
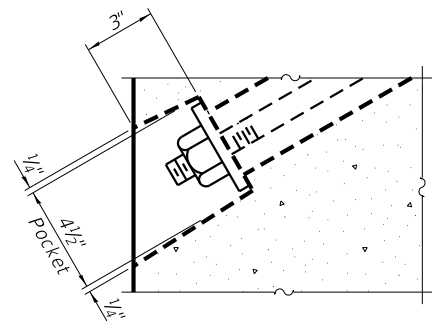
27" x 36" PPC DECK BEAM
STRUCTURE NO. 006-4191
STRUCTURAL SHEET 3 OF 12

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	12
Contract No. 87762			WHA# 1340020	
ILLINOIS			PN# 92AN(359)	



FIXED

NOTES:
All bearing pads shall be 1" thick.



NOTES:
Connect beams in pairs with the transverse tie configuration shown.
Unused transverse tie hole on exterior beams shall be omitted.

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.
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)(10) and 1021.07 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. (27" depth)	Sq. Ft.	1,440
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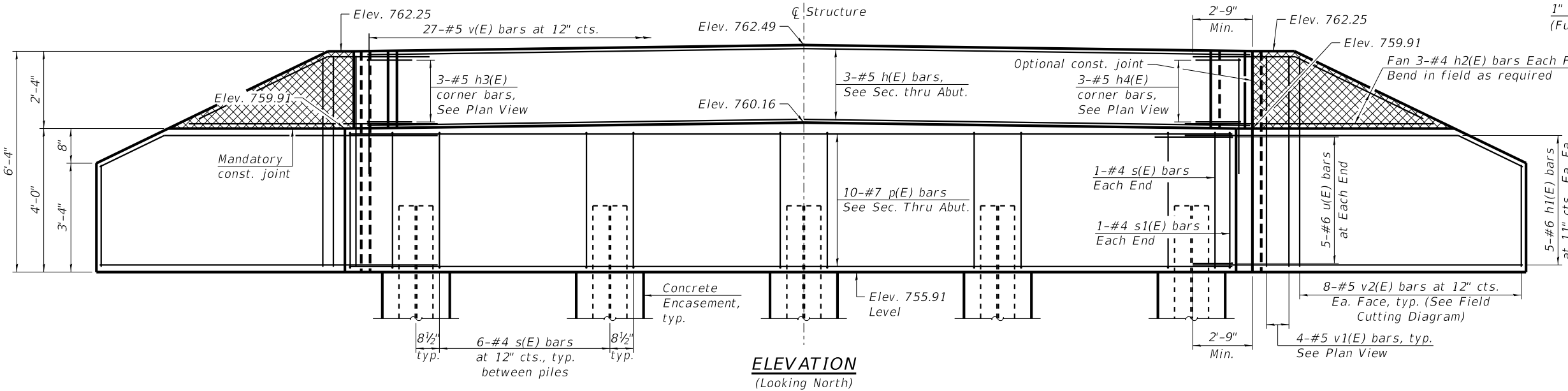


DESIGNED - JKP	REVISED -
CHECKED - DCB	REVISED -
DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

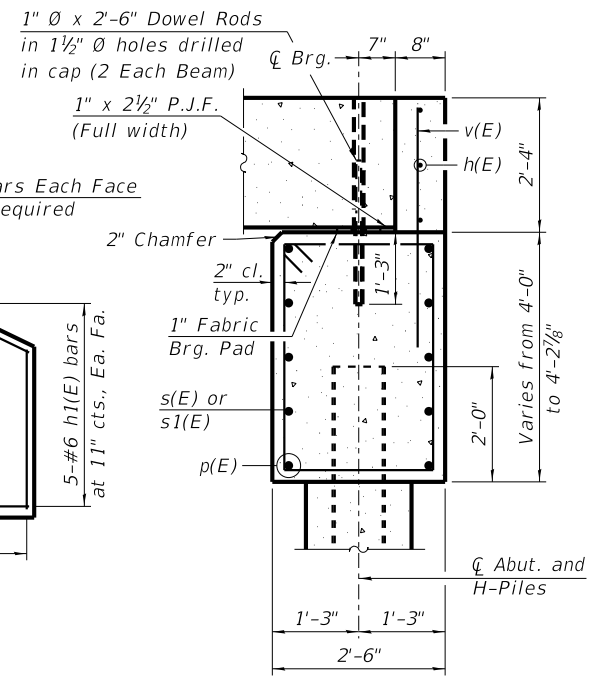
BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

27" x 36" PPC DECK BEAM DETAILS
STRUCTURE NO. 006-4191
STRUCTURAL SHEET 4 OF 12

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	13
Contract No. 87762		WHA# 1340020		
ILLINOIS		PN# 92AN(359)		



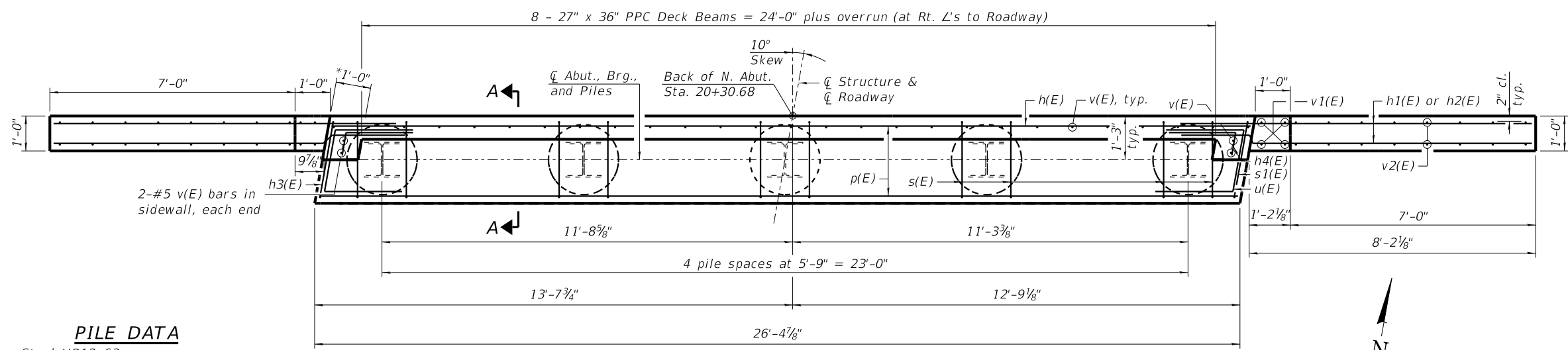
ELEVATION
(Looking North)



SECTION A-A
(Dimensions are at Rt. L's to Abutment)

BILL OF MATERIAL

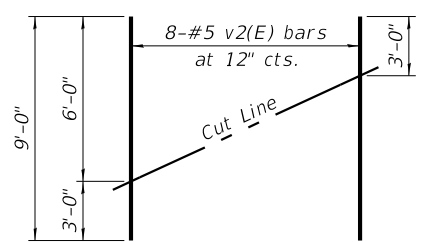
Bar	No.	Size	Length	Shape
h(E)	3	#5	26'-0"	—
h1(E)	20	#6	11'-2"	—
h2(E)	12	#4	9'-10"	—
h3(E)	3	#5	3'-0"	┌
h4(E)	3	#5	3'-0"	└
p(E)	10	#7	26'-0"	—
s(E)	26	#4	12'-7"	□
s1(E)	2	#4	12'-9"	□
u(E)	10	#6	10'-11"	└
v(E)	31	#5	4'-1"	—
v1(E)	8	#5	6'-0"	—
v2(E)	16	#5	9'-0"	—
Concrete Structures		Cu. Yd.	14.7	
Concrete Encasement		Cu. Yd.	1.8	
Reinforcement Bars, Epoxy Coated		Pound	1,780	
Furnishing Steel Piles HP12x63		Foot	164	
Driving Piles		Foot	164	
Test Pile Steel HP12x63		Each	1	
Porous Granular Embankment, Special		Ton	69	



PLAN

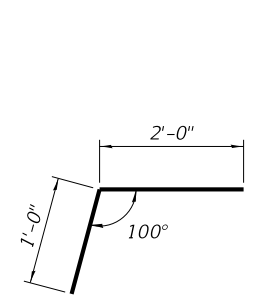
PILE DATA

Type: Steel HP12x63
 Nominal Required Bearing: Drive to Refusal
 Factored Resistance Available: 259 kips
 Est. Length: 41'
 No. Production Piles: 4
 No. Test Piles: 1

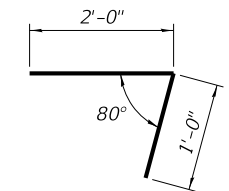


FIELD CUTTING DIAGRAM

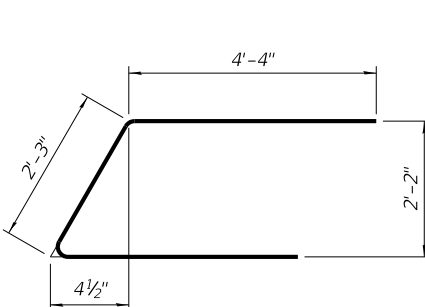
Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



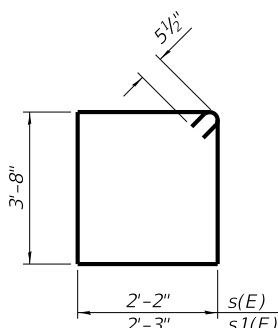
BARS h3(E)



BARS h4(E)



BAR u(E)



BARS s(E) & s1(E)

NOTES:

- Hatched portion of wingwalls to be poured with the backwall after the deck beams have been installed and grout has cured for a minimum of 24 hours.
- All exposed edges shall have standard 3/4" chamfers, except as noted.
- Space reinforcement in cap to miss dowel rods.
- After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure a min. of 24 hours prior to grouting the shear keys.
- For details of piles and Concrete Encasement, see structural sheet 8 of 12.
- *May vary due to overrun of beams.
- For drainage details, see structural sheet 2 of 12.
- Cast backwall and tops of wingwalls after beams have been erected.

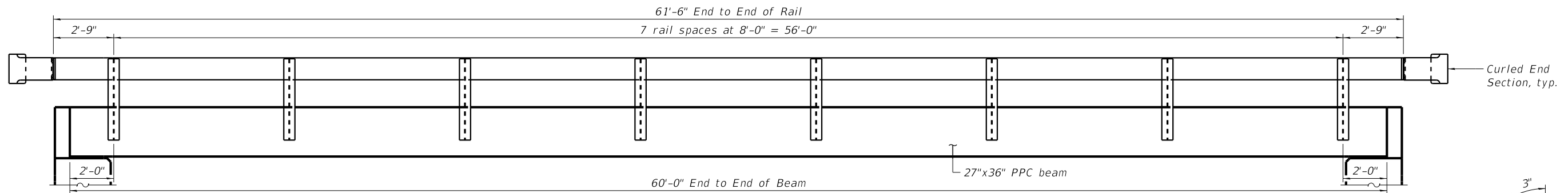


DESIGNED - JKP	REVISED -
CHECKED - DCB	REVISED -
DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

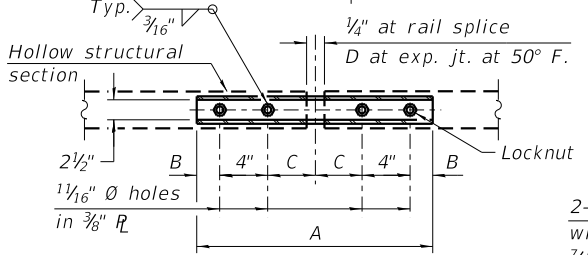
BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

NORTH ABUTMENT DETAILS
STRUCTURE NO. 006-4191
 STRUCTURAL SHEET 6 OF 12

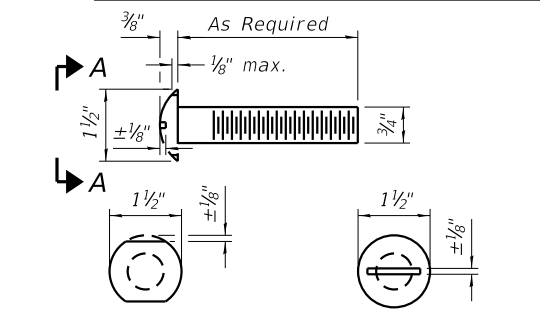
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	15
Contract No. 87762			WHA# 1340020	
ILLINOIS			PN# 92AN(359)	



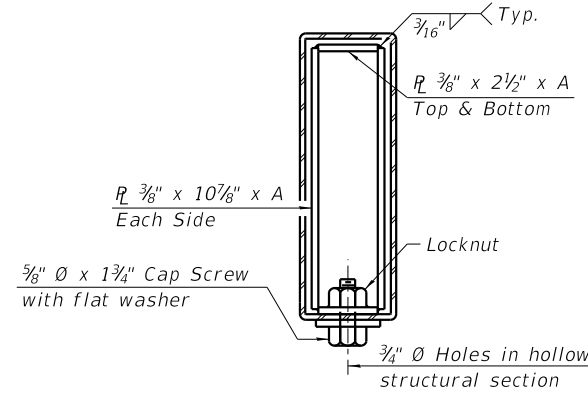
PLAN VIEW



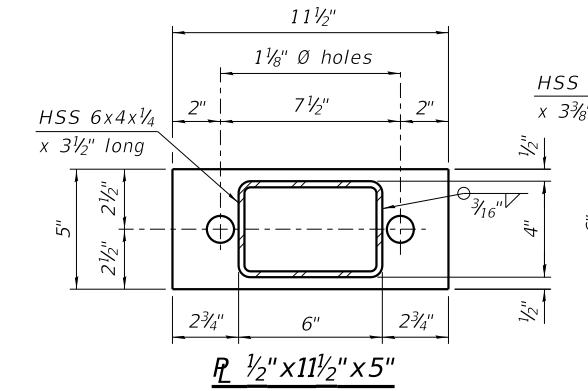
PLAN-BOTT. SPLICE R TYPICAL



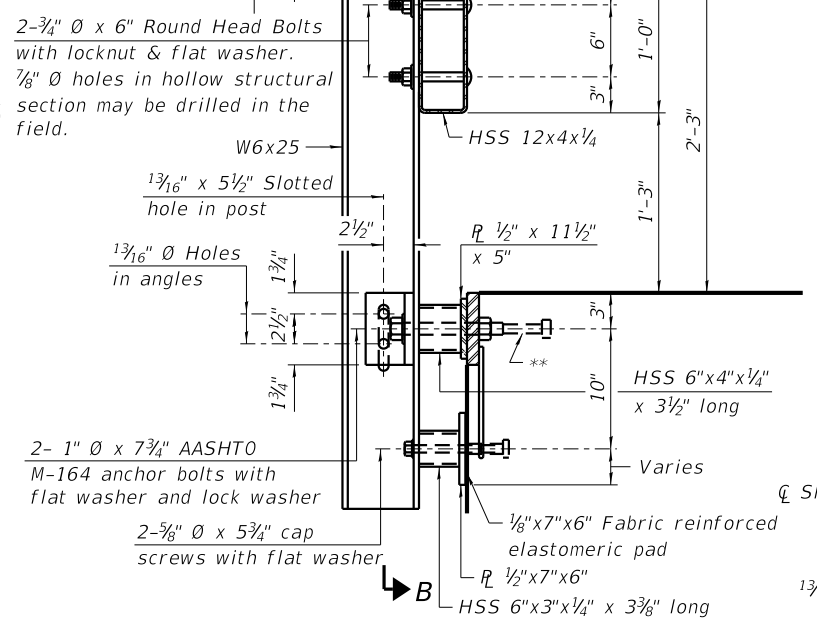
VIEW A-A ROUND HEAD BOLT



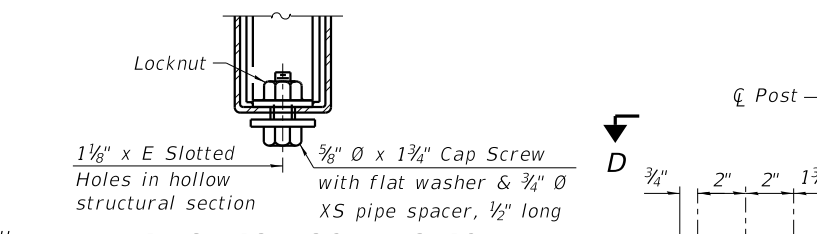
SECTIONS AT RAIL SPLICE



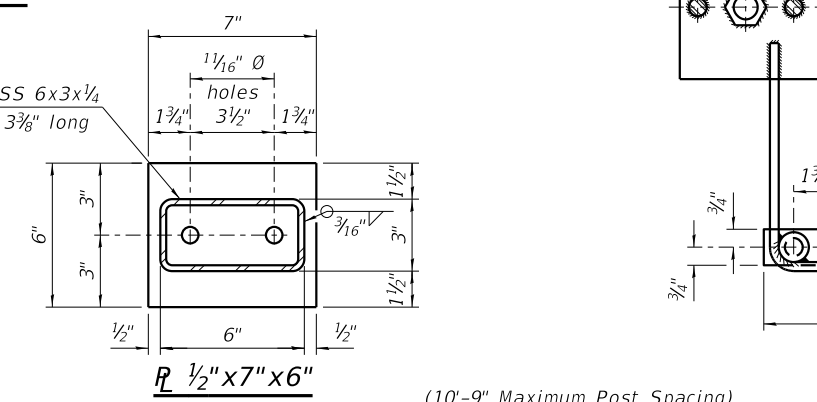
R 1/2" x 11 1/2" x 5"



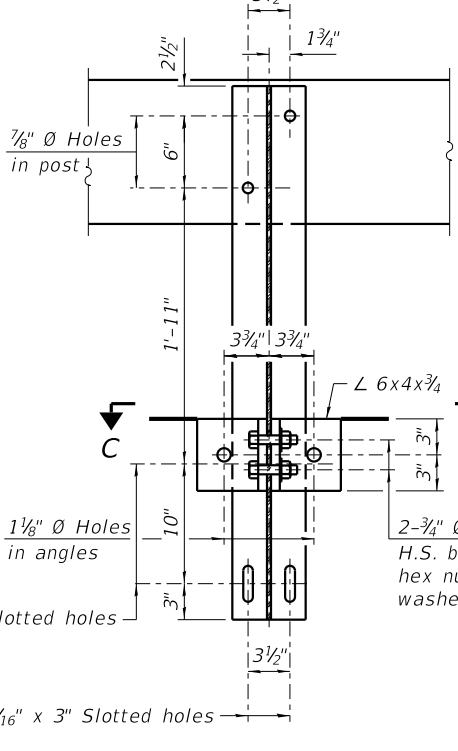
SECTION AT RAILING POST



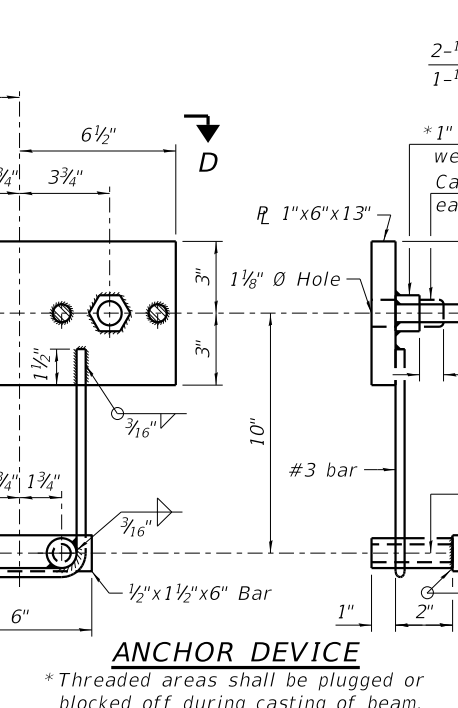
RAIL SPLICE CONNECTION AT EXPANSION JT.



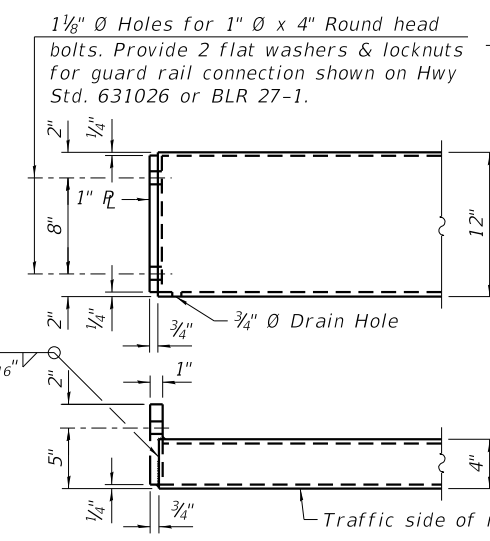
R 1/2" x 7" x 6"



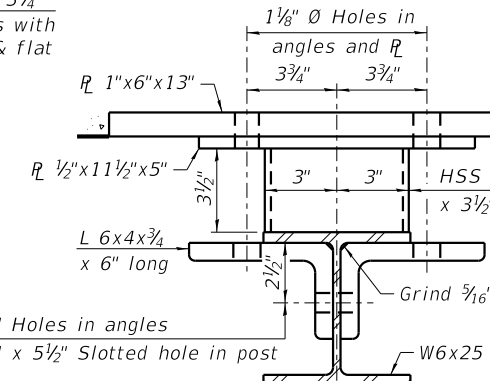
SECTION B-B



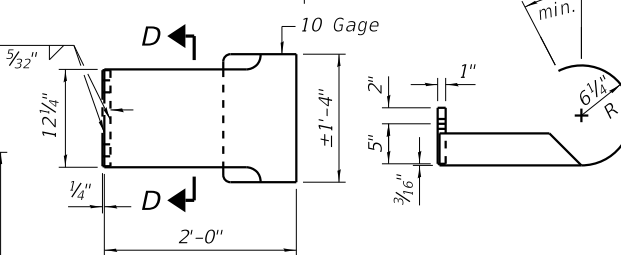
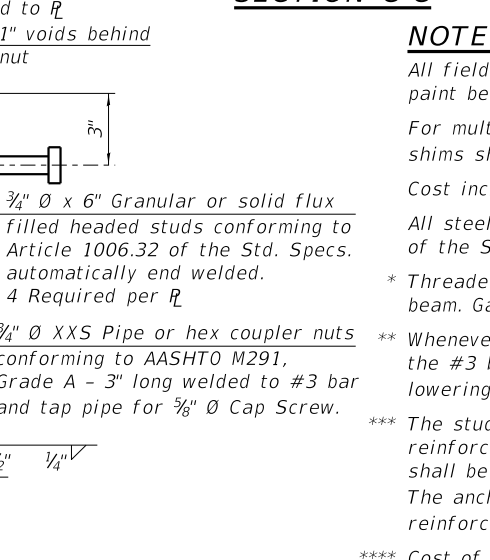
ANCHOR DEVICE



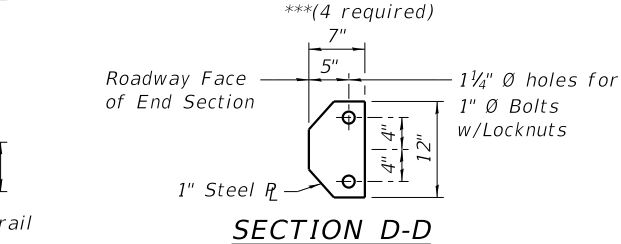
END OF RAIL DETAILS



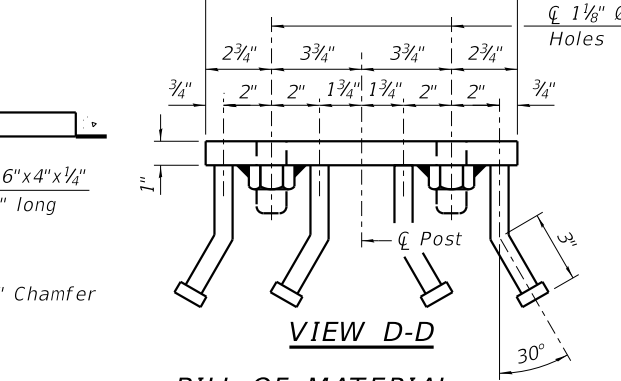
SECTION C-C



CURLED END SECTION DETAILS



SECTION D-D



BILL OF MATERIAL

NOTES:

All field drilled holes shall be coated with an approved zinc rich paint before erection.

For multi-span bridges, sufficient 1/4"x6"x1'-2" galvanized steel shims shall be provided to align rail between adjacent spans.

Cost included with Steel Railing, Type S-1.

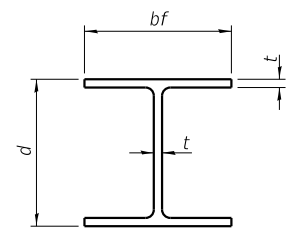
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

* 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".

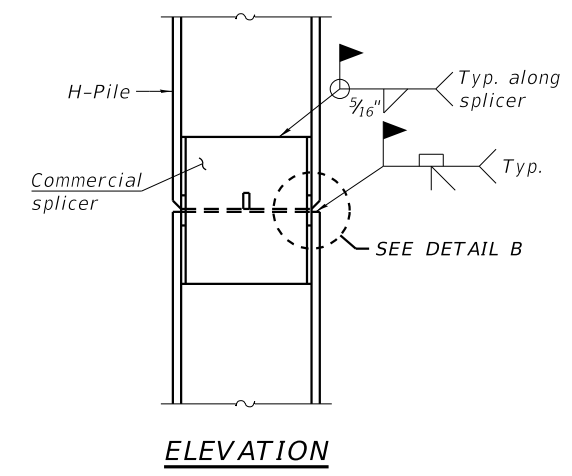
*** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device. The anchorage studs may be bent down 1/2" to accommodate the top reinforcement bar placement.

**** Cost of Curled End Sections to be included with Steel Railing, Type S1.

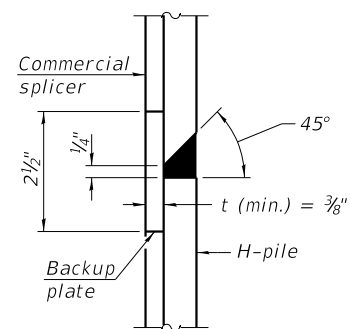


STEEL PILE TABLE

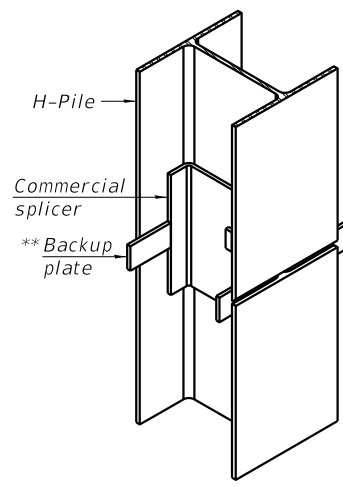
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION

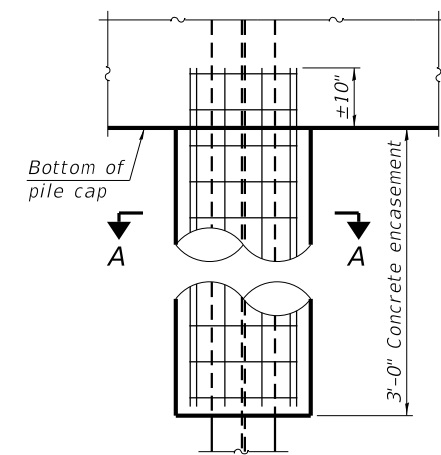


DETAIL "B"

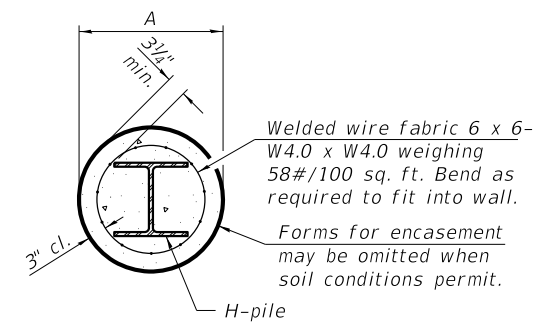


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE

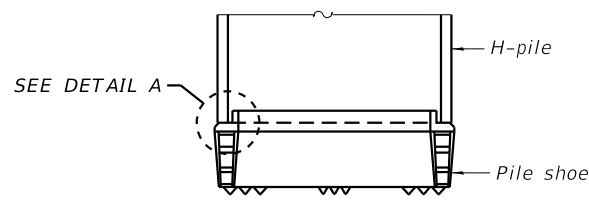


ELEVATION

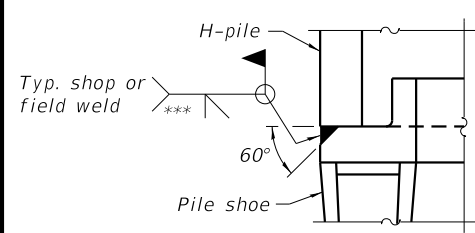


SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASUREMENT
(when specified)



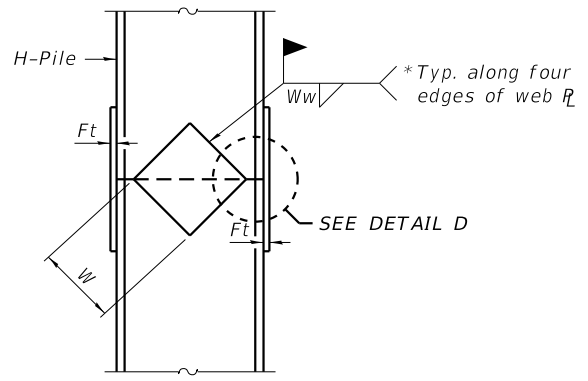
ELEVATION



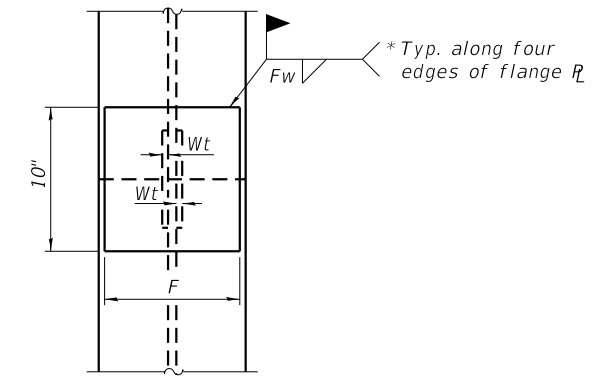
DETAIL A

SHOE ATTACHMENT

NOTE:
The steel H-piles shall be according to AASHTO M270 Grade 50.

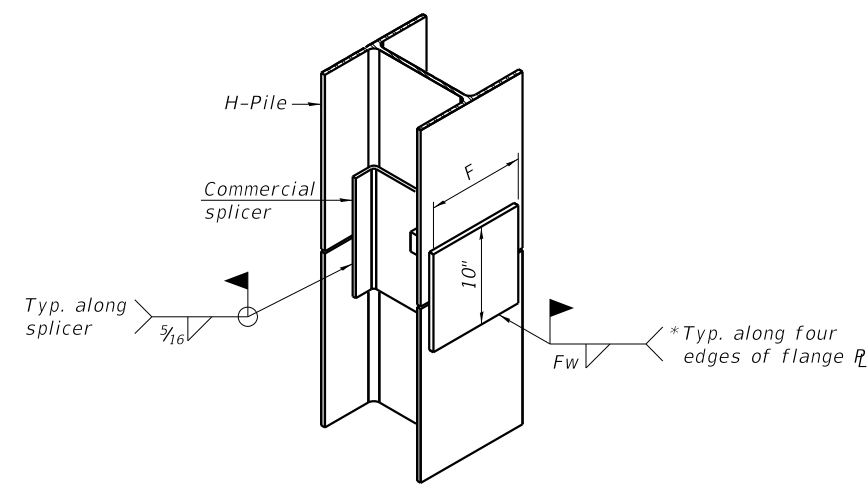


ELEVATION



END VIEW

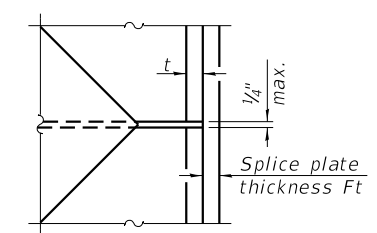
WELDED PLATE FIELD SPLICE



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (3/16" min.).



DETAIL D

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"



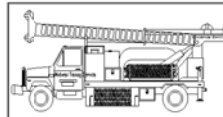
DESIGNED - JKP	REVISED -
CHECKED - DCB	REVISED -
DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

HP PILE DETAILS
STRUCTURE NO. 006-4191
STRUCTURAL SHEET 8 OF 12

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	17
Contract No. 87762		WHA# 1340D20		
ILLINOIS		PN# 92AN(359)		

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Midwest Testing Services, Inc.

3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 1 of 3

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

Client: Willet Hofmann & Associates
Project Name: TR-130 Over Silver Creek
Project Site: Macon Township, Bureau County
Section No. 17-14123-00-BR

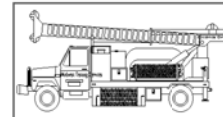
Boring No. B-1
Surface Elev. 762.10
Auger Depth 51' Rotary Depth NA
Start Date 11/28/20 Finish Date 11/28/20

Location: 6' Rt. of Station 20+50

(DEPTH) *ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
762.10										Randy Safranski Diedrich D-120	
761.10	Stiff Black Brown Clay (Fill)		1								
760.10			2								
759.10	Stiff Black Clay		3	1	SS	1.1	6	B	19		
758.10			4								
757.10	Stiff Brown Silty Clay		5	2	SS	1.4	8	B	17		
756.10			6								
755.10	Very Stiff Brownish Gray Silty Clay Loam Till		7								
754.10			8	3	SS	1.2	6	B	18		
753.10	Very Stiff Gray Silty Clay Loam Till		9								
752.10			10	4	SS	1.2	7	B	19		
751.10	Very Stiff Gray Silty Clay Loam Till		11								
750.10			12								
749.10	Very Stiff Gray Silty Clay Loam Till		13	5	SS	2.2	13	S	19		
748.10			14								
747.10	Very Stiff Gray Silty Clay Loam Till		15	6	SS	2.5	16	S	18		
746.10			16								
745.10	Very Stiff Gray Silty Clay Loam Till		17								
744.10			18	7	SS	3.4	18	S	15		
743.10	Very Stiff Gray Silty Clay Loam Till		19								
742.10			20	8	SS	2.7	19	S	15		

Groundwater Data: Static water level after auger removal -Elevation. 742.0.

Comments:



Midwest Testing Services, Inc.

3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 2 of 3

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

Client: Willet Hofmann & Associates
Project Name: TR-130 Over Silver Creek
Project Site: Macon Township, Bureau County
Section No. 17-14123-00-BR

Boring No. B-1
Surface Elev. 762.10
Auger Depth 51' Rotary Depth NA
Start Date 11/28/20 Finish Date 11/28/20

Location: 6' Rt. of Station 20+50

(DEPTH) *ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
741.10										Randy Safranski Diedrich D-120	
740.10	Very Stiff Gray Silty Clay Loam Till		22								
739.10			23	9	SS	3.0	18	S	16		
738.10	Hard Gray Clayey Sandy Clay		24								
737.10			25	10	SS	3.2	18	S	15		
736.10	Very Dense Gray Weathered Sandy Shale		26								
735.10			27								
734.10	Very Dense Gray Weathered Sandy Shale		28	11	SS	4.1	21	S	14		
733.10			29								
732.10	Very Dense Gray Weathered Sandy Shale		30	12	SS	4.5	24	S	13		
731.10			31								
730.10	Very Dense Gray Weathered Sandy Shale		32								
729.10			33								
728.10	Very Dense Gray Weathered Sandy Shale		34								
727.10			35	13	SS	5.4	52	S	12		
726.10	Very Dense Gray Weathered Sandy Shale		36								
725.10			37								
724.10	Very Dense Gray Weathered Sandy Shale		38								
723.10			39								
722.10	Very Dense Gray Weathered Sandy Shale		40								
721.10			41	14	SS	---	86	---	10		

Groundwater Data: Static water level after auger removal -Elevation. 742.0.

Comments:



DESIGNED - JKP	REVISED -
CHECKED - DCB	REVISED -
DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

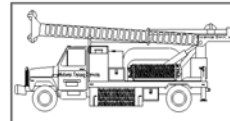
BORING LOGS
STRUCTURE NO. 006-4191

STRUCTURAL SHEET 9 OF 12

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	18
Contract No. 87762			WHA# 1340D20	
ILLINOIS			PN# 92AN(359)	

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Midwest Testing Services, Inc.
 3705 Progress Blvd.
 Peru, IL 61354

BORING LOG

Sheet 3 of 3

Phone: 815-223-6696
 Fax: 815-223-6659
 e-mail: mts37@comcast.net

Client: Willet Hofmann & Associates
 Project Name: TR-130 Over Silver Creek
 Project Site: Macon Township, Bureau County
 Section No. 17-14123-00-BR

Boring No. B-1
 Surface Elev. 762.10
 Auger Depth 51' Rotary Depth NA
 Start Date 11/28/20 Finish Date 11/28/20

Location: 6' Rt. of Station 20+50

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)
720.10										Randy Safranski Diedrich D-120
719.10	Very Dense Gray Sandy Shale		43							
718.10			44							
717.10			45							
716.10			46	15	SS	---	93	---	10	
715.10			47							
714.10			48							
713.10			49							
712.10			50							
711.10			51	16	SS	---	100 8"	---	10	
710.10		Bottom Of Boring		52						
709.10			53							
708.10			54							
707.10			55							
706.10			56							
705.10			57							
704.10			58							
703.10			59							
702.10			60							
701.10			61							
700.10			62							

Groundwater Data: Static water level after auger removal -Elevation. 742.0.

Comments:



DESIGNED - JKP
 CHECKED - DCB
 DRAWN - RDA
 CHECKED - BKC

REVISED -
 REVISED -
 REVISED -
 REVISED -

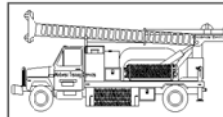
BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

BORING LOGS
STRUCTURE NO. 006-4191

STRUCTURAL SHEET 10 OF 12

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	19
Contract No. 87762			WHA# 1340D20	
ILLINOIS			PN# 92AN(359)	

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Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 1 of 3

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

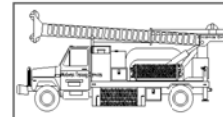
Client: Willet Hofmann & Associates
Project Name: TR-130 Over Silver Creek
Project Site: Macon Township, Bureau County
Section No. 17-14123-00-BR

Boring No. B-2
Surface Elev. 762.30
Auger Depth 51' Rotary Depth NA
Start Date 11/28/20 Finish Date 11/28/20

Location: 12' Left of Station 19+65

(DEPTH) *ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
762.30										Randy Safranski Diedrich D-120	
761.30	Stiff Black And Brown Clay (Fill)		1								
760.30			2								
759.30			3	1	SS	1.0	6	B	18		
758.30	Stiff Brown Silty Clay		4								
757.30			5	2	SS	1.5	7	B	19		
756.30	Loose Brown Gravelly Loam		6								
755.30			7								
754.30			8	3	SS	1.2	7	B	20		
753.30	Medium Brown Gravelly Loam		9								
752.30			10	4	SS	---	5	---	15		
751.30	Vert Stiff Gray Silty Clay Loam Till		11								
750.30			12								
749.30			13	5	SS	---	14	---	12		
748.30			14								
747.30			15	6	SS	3.9	17	B	18		
746.30			16								
745.30			17								
744.30			18	7	SS	3.5	19	S	16		
743.30			19								
742.30			20	8	SS	3.0	16	B	19		

Groundwater Data: Static water level after auger removal -Elevation. 732.0.
Comments:



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 2 of 3

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

Client: Willet Hofmann & Associates
Project Name: TR-130 Over Silver Creek
Project Site: Macon Township, Bureau County
Section No. 17-14123-00-BR

Boring No. B-2
Surface Elev. 762.30
Auger Depth 51' Rotary Depth NA
Start Date 11/28/20 Finish Date 11/28/20

Location: 12' Left of Station 19+65

(DEPTH) *ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
741.30										Randy Safranski Diedrich D-120	
740.30	Very Stiff Gray Silty Clay Loam Till		22								
739.30			23	9	SS	3.6	21	S	15		
738.30	Medium To Dense Gray Stratified Sandy Clay		24								
737.30			25	10	SS	---	33	---	14		
736.30			26								
735.30	Very Dense Gray Weathered Sandy Shale		27								
734.30			28	11	SS	---	28	---	14		
733.30			29								
732.30			30	12	SS	---	75	---	11		
731.30			31								
730.30			32								
729.30			33								
728.30			34								
727.30			35	13	SS	---	67	---	12		
726.30			36								
725.30			37								
724.30			38								
723.30			39								
722.30			40	14	SS	---	78	---	11		
721.30			41								

Groundwater Data: Static water level after auger removal -Elevation. 732.0.
Comments:

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DESIGNED - JKP	REVISED -
CHECKED - DCB	REVISED -
DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

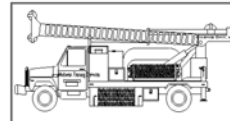
BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

BORING LOGS
STRUCTURE NO. 006-4191

STRUCTURAL SHEET 11 OF 12

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	20
Contract No. 87762			WHA# 1340D20	
ILLINOIS			PN# 92AN(359)	

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Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 3 of 3

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

Client: Willet Hofmann & Associates
Project Name: TR-130 Over Silver Creek
Project Site: Macon Township, Bureau County
Section No. 17-14123-00-BR

Boring No. B-2
Surface Elev. 762.30
Auger Depth 51' Rotary Depth NA
Start Date 11/28/20 Finish Date 11/28/20

Location: 12' Left of Station 19+65

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)
720.30										Randy Safranski Diedrich D-120
719.30	Very Dense Gray Sandy Shale		43							
718.30			44							
717.30			45							
716.30			46	15	SS	----	100 10"	----	10	
715.30			47							
714.30			48							
713.30			49							
712.30			50							
711.30			51	16	SS	----	100 6"	----	9	
710.30		Bottom Of Boring		52						
709.30			53							
708.30			54							
707.30			55							
706.30			56							
705.30			57							
704.30			58							
703.30			59							
702.30			60							
701.30			61							
700.30			62							

Groundwater Data: Static water level after auger removal -Elevation. 732.0.

Comments:



DESIGNED - JKP
CHECKED - DCB
DRAWN - RDA
CHECKED - BKC

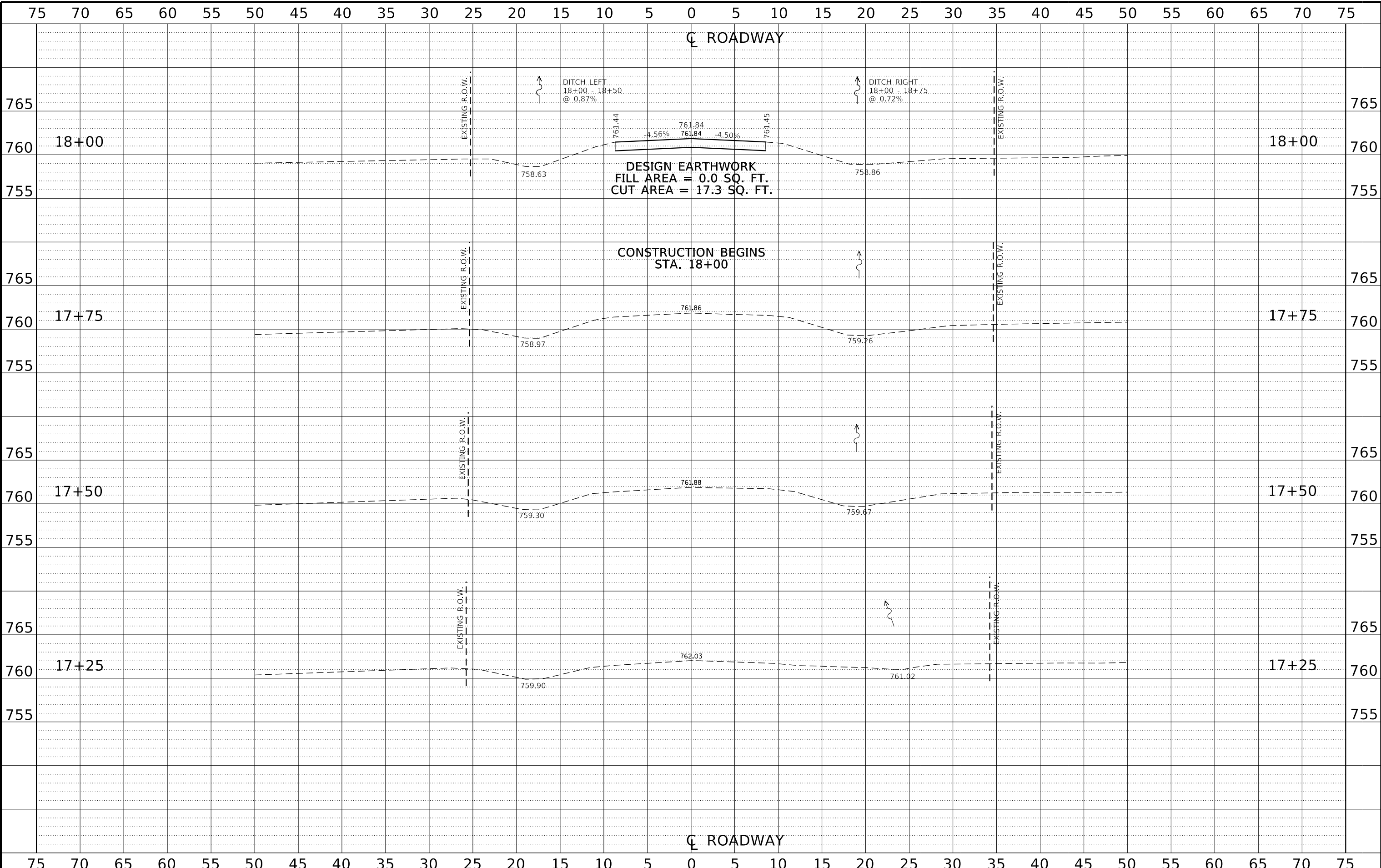
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REVISED -
REVISED -
REVISED -

BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

BORING LOGS
STRUCTURE NO. 006-4191
STRUCTURAL SHEET 12 OF 12

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	21
Contract No. 87762			WHA# 1340D20	
ILLINOIS			PN# 92AN(359)	

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CHECKED - DCB	REVISED -
DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

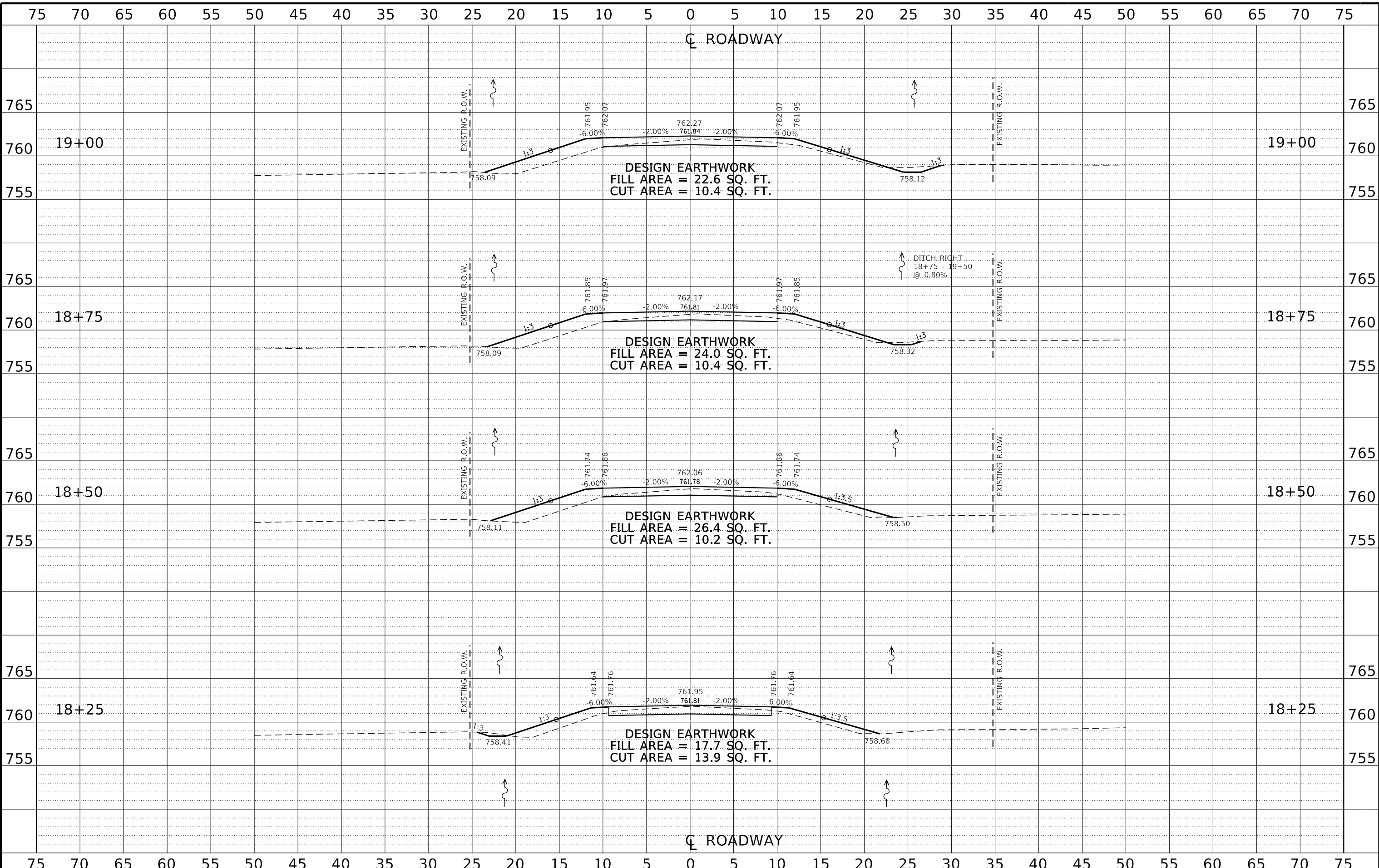
BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

CROSS SECTIONS

SCALE: 1" = 5'-0" SHEET NO. 1 OF 7 SHEETS STA. 17+25 TO STA. 18+00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	22
Contract No. 87762			WHA# 1340D20	
ILLINOIS			PN# 92AN(359)	

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DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

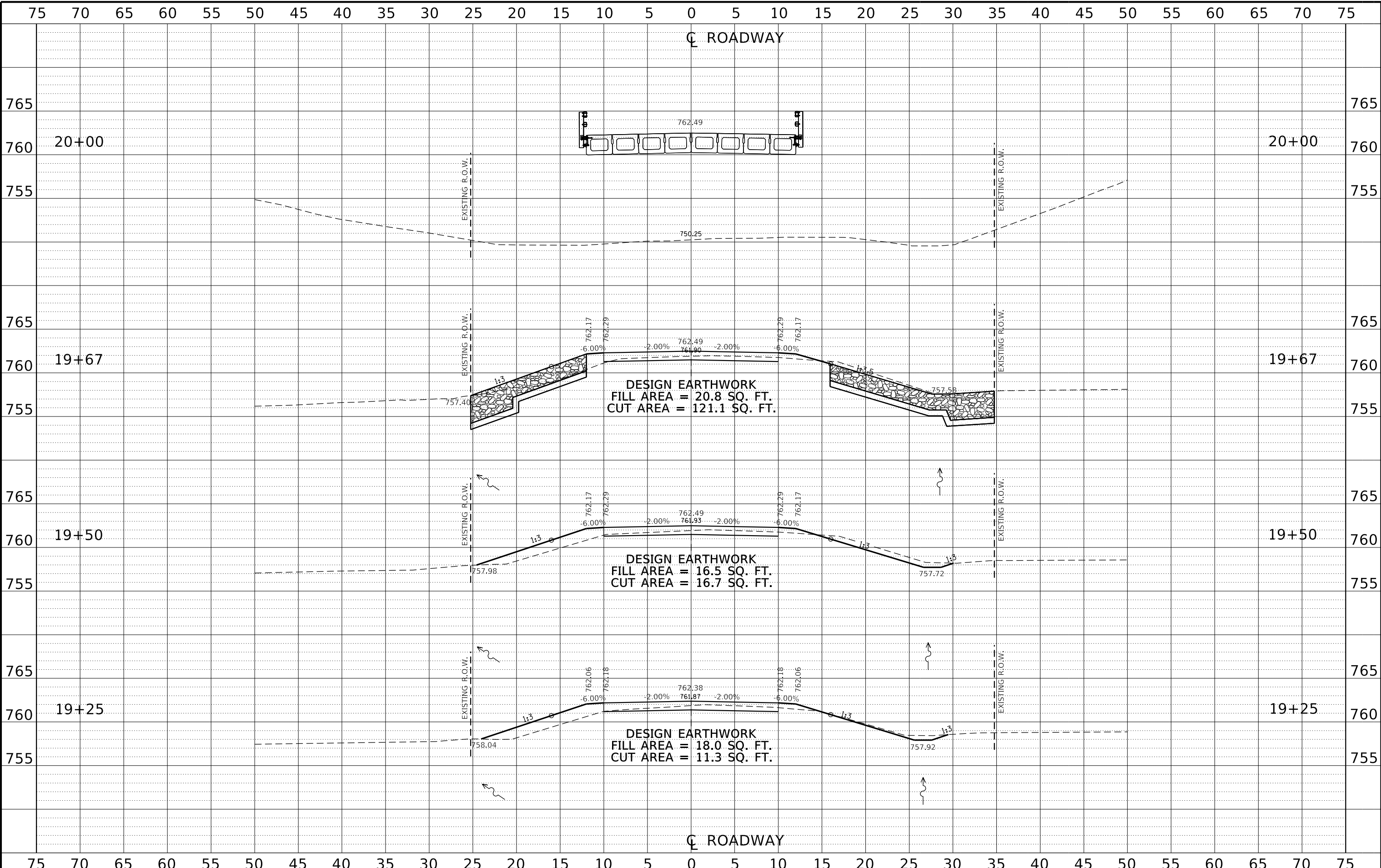
BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

CROSS SECTIONS
 SCALE: 1" = 5'-0"
 SHEET NO. 2 OF 7 SHEETS
 STA. 18+25 TO STA. 19+00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	23
Contract No. 87762			WHA# 1340020	
ILLINOIS			PN# 92AN(359)	

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DESIGN EARTHWORK
 FILL AREA = 20.8 SQ. FT.
 CUT AREA = 121.1 SQ. FT.

DESIGN EARTHWORK
 FILL AREA = 16.5 SQ. FT.
 CUT AREA = 16.7 SQ. FT.

DESIGN EARTHWORK
 FILL AREA = 18.0 SQ. FT.
 CUT AREA = 11.3 SQ. FT.

BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20+00

CROSS SECTIONS



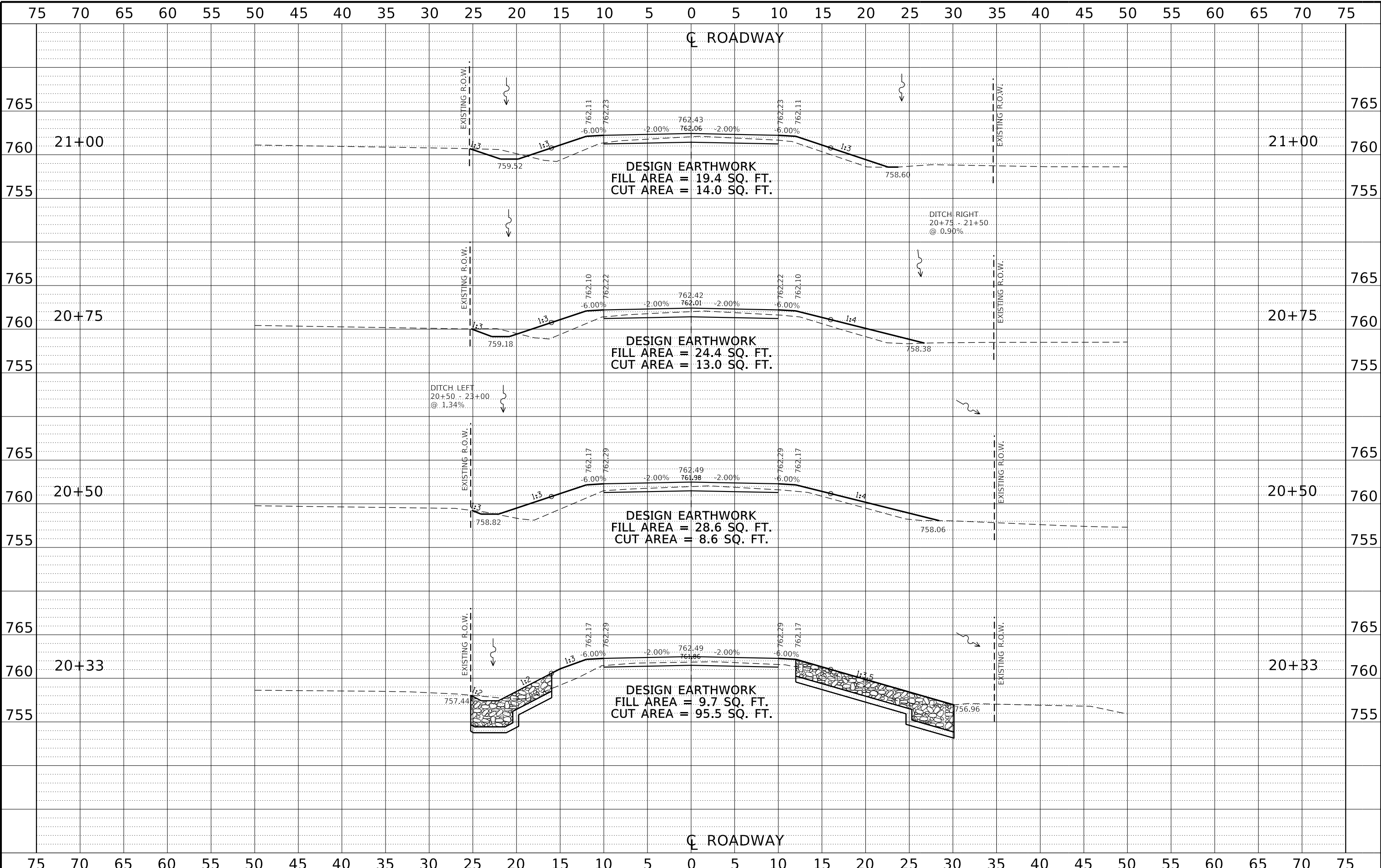
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CHECKED - DCB	REVISED -
DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

SCALE: 1" = 5'-0"	SHEET NO. 3 OF 7 SHEETS	STA. 19+25 TO STA. 20+00
-------------------	-------------------------	--------------------------

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	24
WHA# 1340D20				
ILLINOIS			PN# 92AN(359)	

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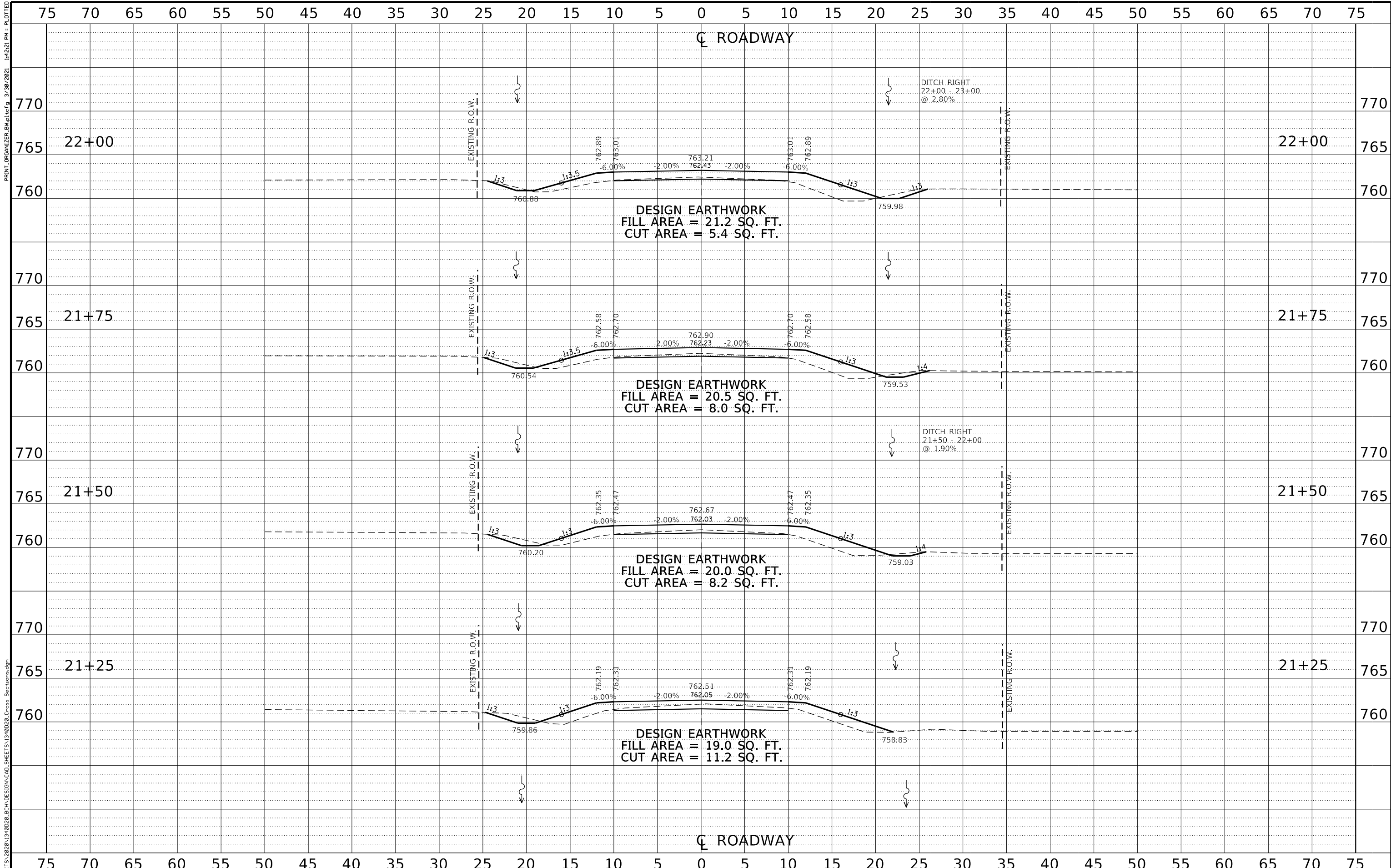
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CHECKED - DCB	REVISED -
DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

CROSS SECTIONS
 SCALE: 1" = 5'-0"
 SHEET NO. 4 OF 7 SHEETS
 STA. 20+33 TO STA. 21+00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	25
			WHA# 1340020	
			PN# 92AN(359)	

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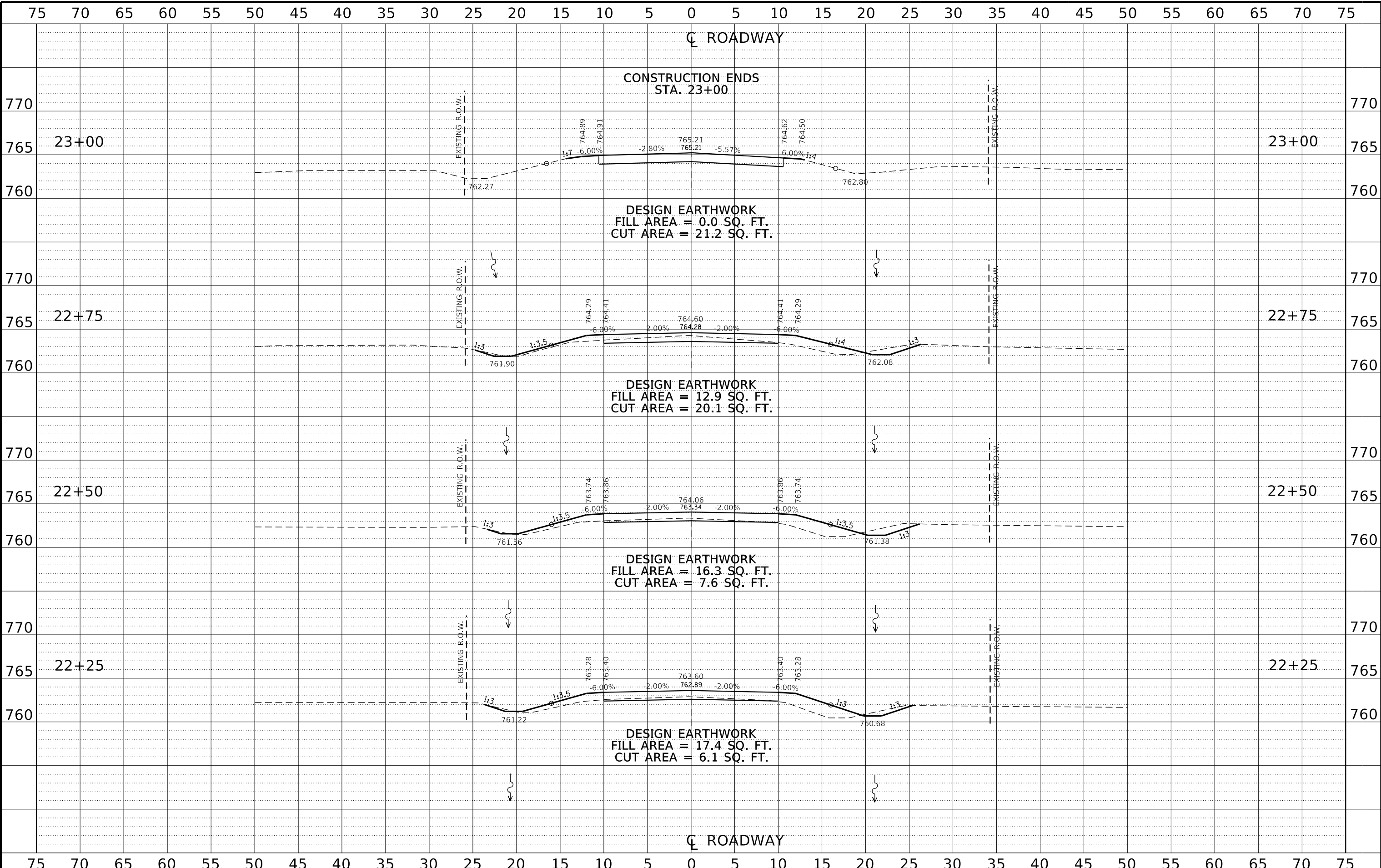
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DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

CROSS SECTIONS
 SCALE: 1" = 5'-0"
 SHEET NO. 5 OF 7 SHEETS
 STA. 21+25 TO STA. 22+00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	26
WHA# 1340D20			PN# 92AN(359)	

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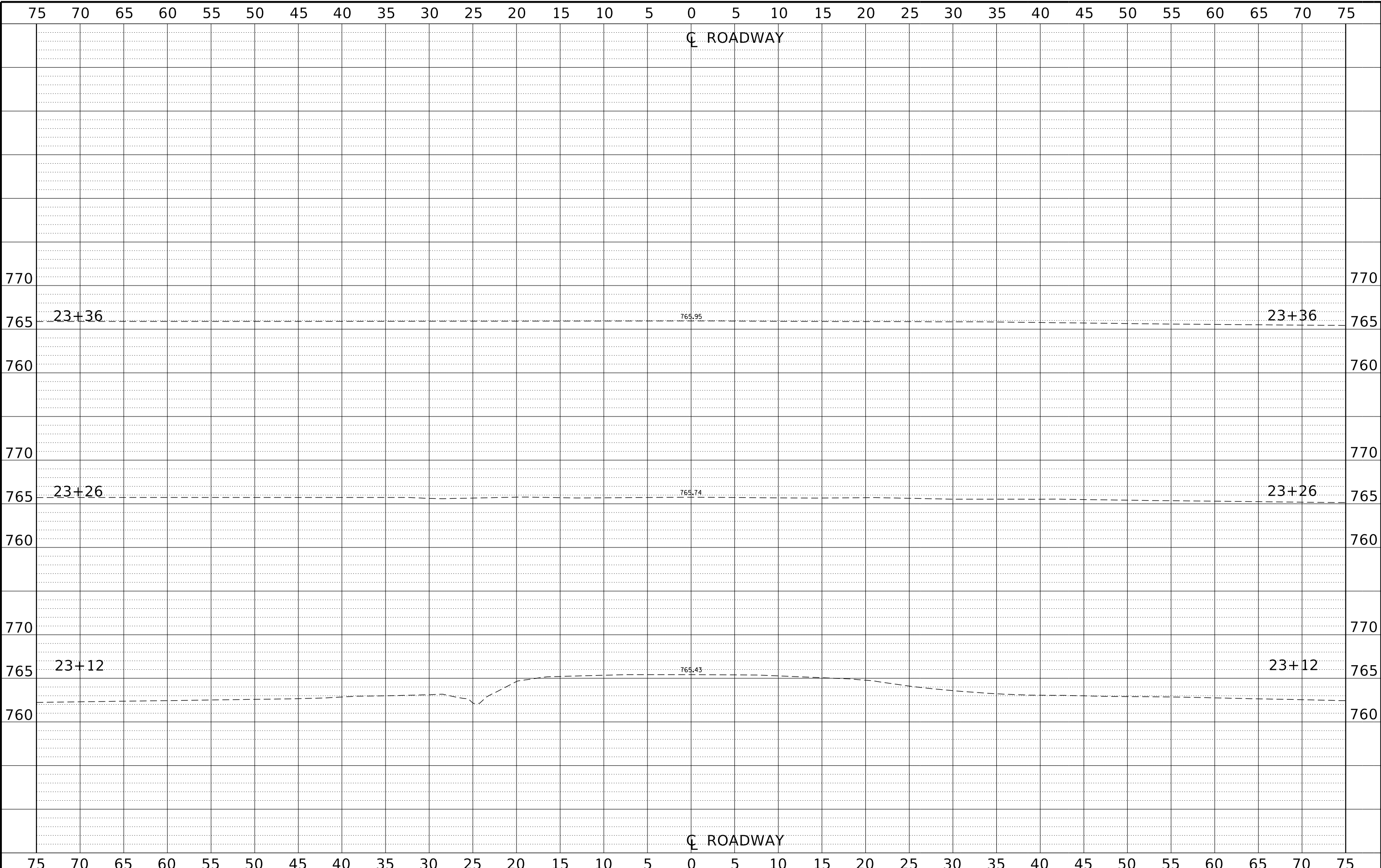
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CHECKED - DCB	REVISED -
DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

CROSS SECTIONS
 SCALE: 1" = 5'-0"
 SHEET NO. 6 OF 7 SHEETS
 STA. 22+25 TO STA. 23+00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	27
WHA# 1340D20			PN# 92AN(359)	

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CHECKED - DCB	REVISED -
DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

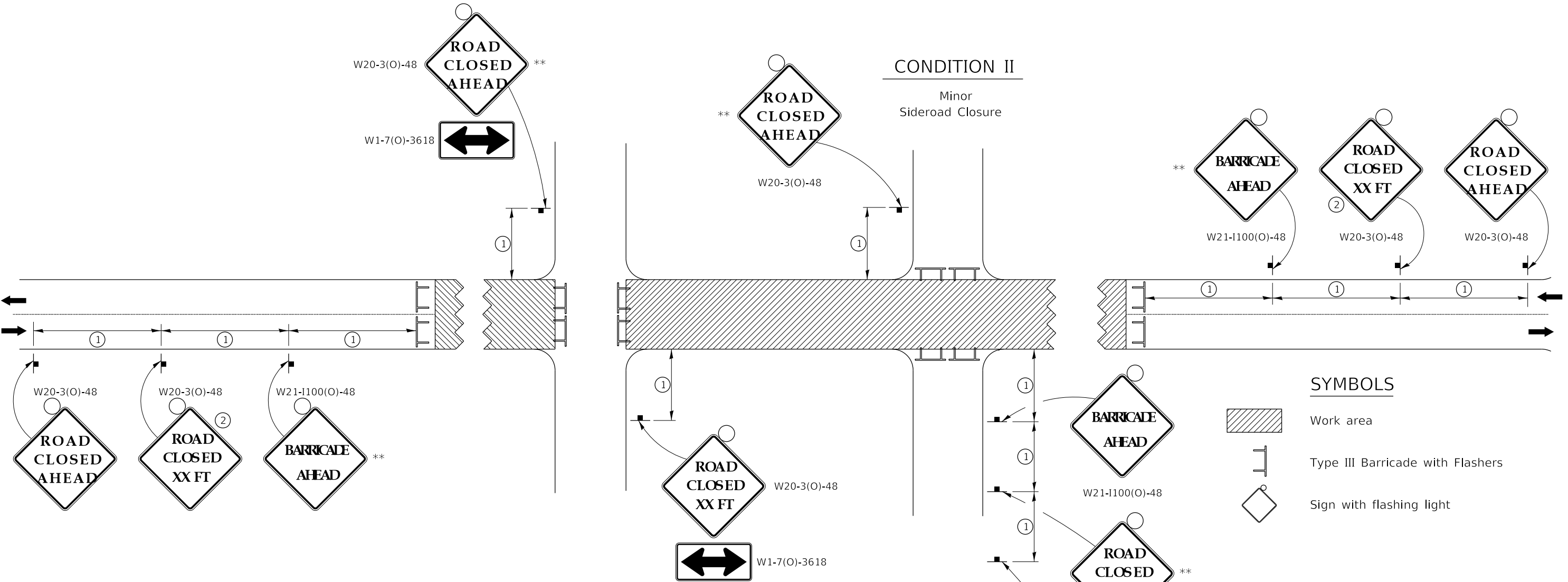
CROSS SECTIONS
SCALE: 1" = 5'-0"
SHEET NO. 7 OF 7 SHEETS
STA. 23+12 TO STA. 23+36

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	28
WHA# 1340D20			PN# 92AN(359)	
ILLINOIS				

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TRAFFIC CONTROL FOR ROAD CLOSURE

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SYMBOLS

- Work area
- Type III Barricade with Flashers
- Sign with flashing light

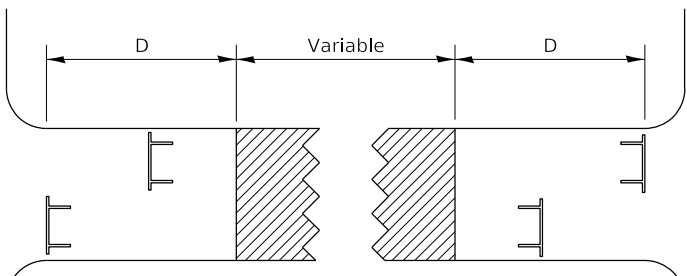
① **SIGN SPACING TABLE**

Posted Speed	Sign Spacing
45 MPH and above	500'
Below 45 MPH	250'

② **SIGN LEGEND**

Posted Speed Limit	Distance
45 MPH and above	1000'
Below 45 MPH	500'

ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 2000' an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

CONDITION I

Major Sideroad Closure

CONDITION II

Minor Sideroad Closure

GENERAL NOTES

- Longitudinal dimensions may be adjusted to fit field conditions.
- Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.
- ** Where local access is to be maintained, barricades are to be set up as shown in "Road Closed To Thru Traffic". Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.
- All dimensions are in inches unless otherwise shown.

TRAFFIC CONTROL FOR ROAD CLOSURE 40.1

TYPICAL APPLICATION FOR ROAD CLOSURE

- REVISED - 8-03-17
- REVISED - 1-05-16
- REVISED - 8-27-13
- REVISED - 10-17-11



DESIGNED - JKP	REVISED -
CHECKED - DCB	REVISED -
DRAWN - RDA	REVISED -
CHECKED - BKC	REVISED -

BUREAU COUNTY
T.R. 130 (1100 E. STREET) OVER SILVER CREEK
STATION 20 + 00

REGION 2 STANDARD
(TRAFFIC CONTROL FOR ROAD CLOSURE)
 SHEET NO. 1 OF 1 SHEET

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	17-14123-00-BR	BUREAU	29	29
WHA# 1340D20				
ILLINOIS			PN# 92AN(359)	

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