

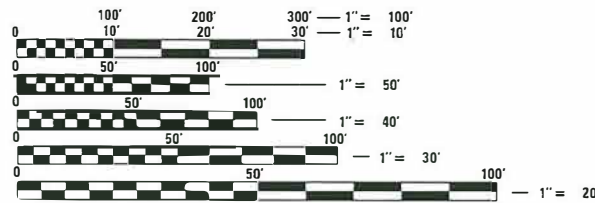
04-24-2020 LETTING ITEM 159

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STANDARDS (IN PROPOSAL)

- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 420406-00 PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
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- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 602301-04 INLET, TYPE A
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- 602601-06 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
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- 701901-08 TRAFFIC CONTROL DEVICES
- 725001-01 OBJECT AND TERMINAL MARKERS
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
- BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS



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 MANAGER: CORY W. CHAMBERLAIN, P.E., S.E.

CONTRACT NO. 95870



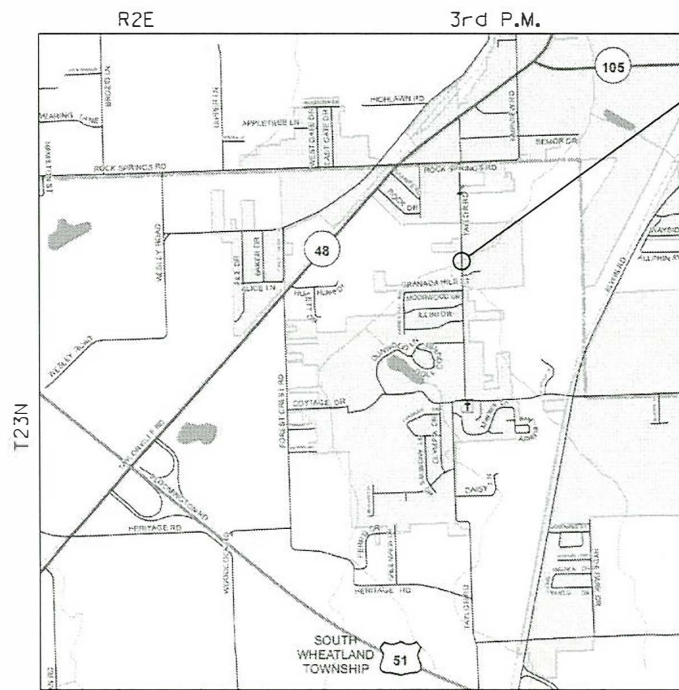
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

**PLANS FOR PROPOSED
BRIDGE REPLACEMENT
STP – URBAN BRIDGE**

**FAU 7426 (TAYLOR ROAD) OVER WARD BRANCH
CITY OF DECATUR
SECTION 18-00805-00-BR
PROJECT NYLK(883)
MACON COUNTY**

C-97-060-19



PROPOSED SECTION SECTION 18-00805-00-BR
BEGINS STA. 98+00.00
ENDS STA. 102+02.00
EXISTING STRUCTURE NO. 058-6002
PROPOSED STRUCTURE NO. 058-6027



UTILITY COMPANIES:

AMEREN IP - (SOUTH)
370 S MAIN ST.
DECATUR, IL 62523
PHONE: (217) 330-0099
CONTACT: ZACH MCINTYRE

CITY OF DECATUR
1 GARY K. ANDERSON PLAZA
DECATUR, IL 62523
PHONE: (217) 521-7570
CONTACT: DON CISCO

SANITARY DISTRICT OF DECATUR
510 DIPPER LANE
DECATUR, IL 62522
PHONE: (217) 422-6931 EXT: 216
CONTACT: DON MILLER

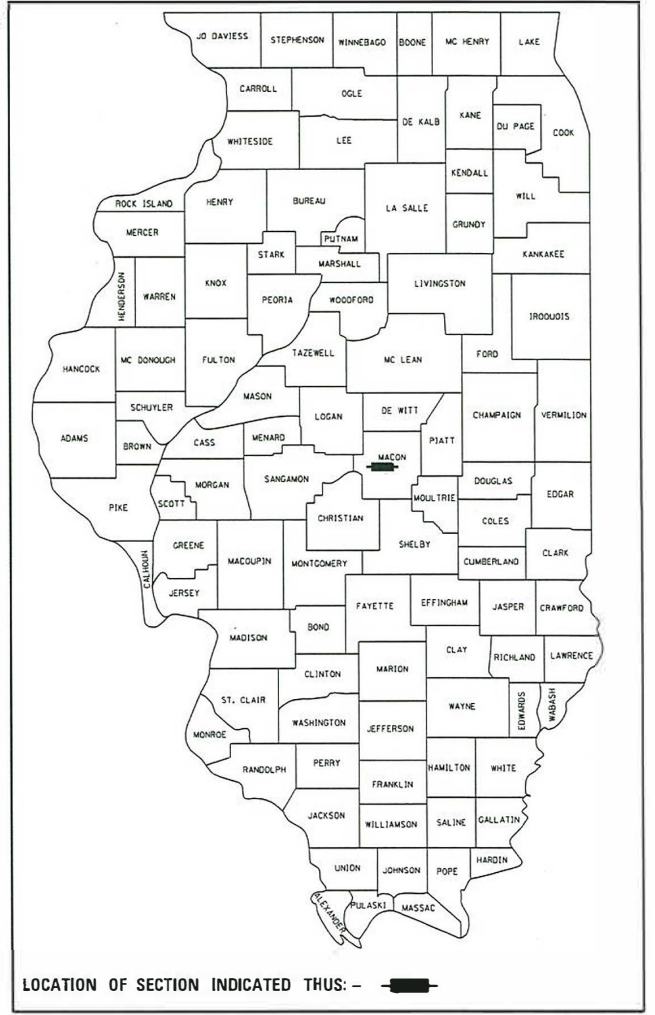
LOCATION MAP

TOTAL LENGTH = 402 FEET (0.076 MI)
NET LENGTH = 402 FEET (0.076 MI)

THE WORK CONSISTS OF REMOVING THE EXISTING BRIDGE (S.N. 058-6002) AND CONSTRUCTING A NEW STRUCTURE (S.N. 058-6027) AT STA. 100+00.00 WITH A SINGLE-SPAN, PRECAST PRESTRESSED CONCRETE I-BEAM BRIDGE ON CONCRETE PILE BENT ABUTMENTS. 32'-0" CLEAR ROADWAY WIDTH AND 94'-3 1/2" BACK TO BACK OF ABUTMENTS. 30° SKEW, VARIABLE WIDTH TRANSITION APPROACHES AND OTHER COLLATERAL WORK.



Cory W. Chamberlain
Expires: 11/30/2021 1-7-2020



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

FUNCTIONAL CLASSIFICATION – MAJOR COLLECTOR

ADT = 1800
DESIGN SPEED = 35 MPH

APPROVED January 7 2020
[Signature]
CITY ENGINEER

PASSED February 18 2020
[Signature]
DISTRICT SEVEN ENGINEER OF LOCAL ROADS AND STREETS

Released For Bid Based on Limited Review February 18 2020
[Signature]
REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

1. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
2. ALL ELEVATIONS ARE BASED ON NAVD 88-DATUM.
3. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF CONTRACT ITEMS INVOLVED.
4. THE FOLLOWING APPLICATION RATES HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:
 TEMPORARY EROSION CONTROL SEEDING: 100 LB/ACRE
 AGGREGATE BASE COURSE: 2.05 TONS/CU YD
 BITUMINOUS MATERIALS (PRIME COAT): 0.25 LB/SQ FT
 BITUMINOUS MATERIALS (TACK COAT): 0.025 LB/SQ FT
 RIPRAP: 1.50 TONS/CU YD
 HOT-MIX ASPHALT: 112 LBS/SQ YD/IN
5. THE CONTRACTOR'S OPERATIONS AND TEMPORARY STORAGE ACTIVITIES SHALL BE LIMITED TO THE WORK AREA AND/OR CONSTRUCTION LIMITS. ANY ADDITIONAL STAGING AREAS ADJACENT TO THE PROJECT AREA ARE SUBJECT TO PRIOR APPROVAL BY THE ENGINEER AND MUST NOT CONFLICT WITH EXISTING SIDE ROADS, INTERSECTIONS, DRIVEWAYS, OR DRAINAGE. ALL OPERATIONS SHALL BE SUBJECT TO REGULATORY REQUIREMENTS PERMITTED FOR THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR COMPLIANCE WITH THE ABOVE REQUIREMENTS.
6. DISTURBED AREAS SHALL RECEIVE PERMANENT STABILIZATION WITHIN 7 DAYS OF COMPLETION OF CONSTRUCTION ACTIVITIES. TEMPORARY STABILIZATION OF WORK AREAS IS REQUIRED FOR ALL AREAS REMAINING UNDISTURBED FOR 14 DAYS, UNLESS WORK RESUMES PRIOR TO 21 DAYS. TEMPORARY STABILIZATION MUST BE APPROVED BY THE ENGINEER.
7. THE CONTRACTOR SHALL RELOCATE OR REMOVE AND REPLACE ALL SIGNS THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS AND TEMPORARILY RESET ALL SUCH SIGNS DURING ALL STAGES OF CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE ENGINEER WILL DETERMINE THE PERMANENT LOCATION FOR EXISTING SIGNS TO BE RE-ERECTED.
8. CONTRACTOR SHALL FOLLOW CONSTRUCTION REQUIREMENTS OF SECTION 611 WHEN EXISTING FIELD TILE IS ENCOUNTERED. ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED, REPAIRED AND CONNECTED TO THE PROPOSED DRAINAGE STRUCTURES, SEWERS OR DITCHES AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE VARIOUS DRAINAGE ITEMS OR AS DIRECTED BY THE ENGINEER.
9. THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN, ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
10. EMBANKMENTS ON HILLSIDES OR SLOPES SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 205.03.
11. CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES PRIOR TO STARTING ANY OTHER CONSTRUCTION WORK AT SITE.

GENERAL NOTES

12. WHERE PERMANENT SURVEY MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE DISTURBED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THE LOCATION.
13. THE CONTRACTOR SHALL USE CARE IN ALL REMOVAL ACTIVITIES NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
14. DUE TO TREE CLEARING RESTRICTIONS, THE TREES INDICATED TO BE REMOVED MAY ALREADY BE CUT AT VARIOUS HEIGHTS. IN THIS CASE, TREE REMOVAL INDICATED SHALL INCLUDE THE PORTION OF THE TREE CUT (ON THE GROUND) AND THE REMAINING STUMP AND NO ADDITIONAL PAYMENT WILL BE ALLOWED.
15. TRANSITION AND CONNECTION TO EXISTING GUARDRAIL AT LOCATIONS SHOWN ARE INCLUDED WITH THE COST OF STEEL PLATE BEAM GUARDRAIL
16. PAVEMENT REMOVAL TO INCLUDE BITUMINOUS SURFACE AND CONCRETE OR AGGREGATE BASE COURSE.
17. EXISTING STRUCTURE PLANS MAY BE REQUESTED FROM CITY OF DECATUR.

MIX DESIGN INFORMATION		
MIXTURE USE(S)	*4" HMA BINDER	*2" HMA SURFACE
AC/PG	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N=50	4.0% @ N=50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 19.0	IL 9.5
FRICTION AGGREGATE	MIX C	MIX C
QUALITY MANAGEMENT	QC/QA	QC/QA

*PAID FOR AS HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"

COMMITMENTS

1. TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED BETWEEN APRIL 1 AND SEPTEMBER 30.
2. THE BRIDGE BAT ASSESSMENT EXPIRES 11/02/2020. A VALID ASSESSMENT IS REQUIRED PRIOR TO PERFORMING ANY WORK BELOW THE EXISTING BRIDGE DECK SURFACE

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no. 184001036



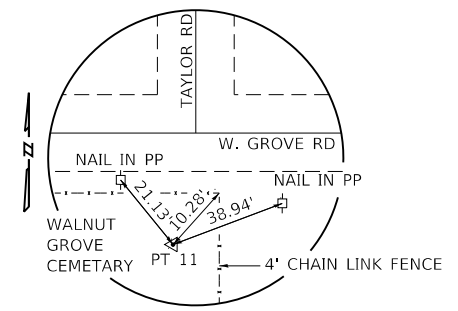
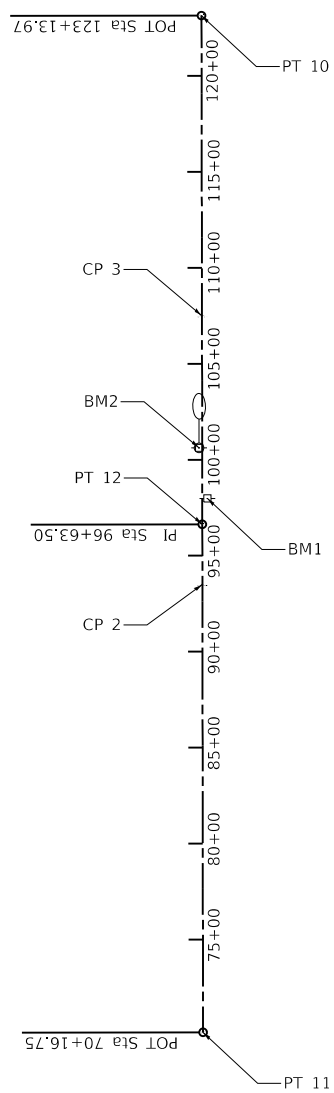
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DEPARTMENT OF TRANSPORTATION**

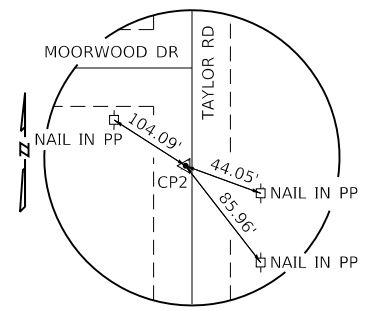
**GENERAL NOTES AND COMMITMENTS
TAYLOR ROAD OVER WARD BRANCH**

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. TO STA.

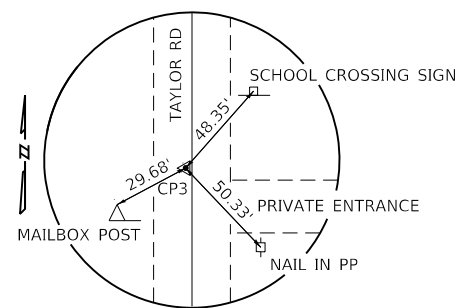
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7426	18-00805-00-BR	MACON	50	2
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				



CONTROL POINT 11
 STONE FOUND
 STA. 70+16.75, 0.0' LT
 N 1,143,021.237
 E 802,096.798



CONTROL POINT CP2
 MAG NAIL SET
 STA. 96+50.00, 0.2' LT
 N 1,145,354.488
 E 802,093.32



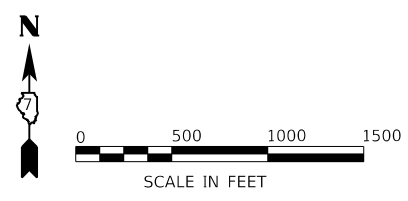
CONTROL POINT CP3
 MAG NAIL SET
 STA. 107+49.95, 0.14 LT
 N 1,146,754.432
 E 802,091.214

BM1 STA 97+98.41, 26.57' RT
 RR SPIKE IN NORTH FACE OF WOODEN POWER POLE S.E. CORNER OF TAYLOR ROAD AND GRANADA HILLS COURT INTERSECTION.
 ELEVATION = 629.56

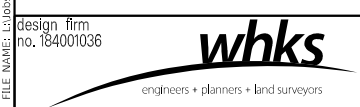
BM2 STA 100+61.91, 16.00' LT
 RR SPIKE IN SOTHEAST FACE OF WOODEN POWER POLE WITH LIGHT 64' N.W. OF PROJECT BRIDGE CENTER.
 ELEVATION = 626.92

ALIGNMENT COORDINATES TAYLOR ROAD

Point 11	N	1,143,021.237	E	802,096.798	Sta	70+16.75
Course from 11 to 12 N 0° 04' 49.7" W Dist 2,646.752						
Point 12	N	1,145,667.986	E	802,093.080	Sta	96+63.50
Course from 12 to 10 N 0° 05' 28.3" W Dist 2,650.472						
Point 10	N	1,148,318.455	E	802,088.861	Sta	123+13.97



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS
 TAYLOR ROAD OVER WARD BRANCH**

SCALE: 1" = 500' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	3
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% LOCAL	
				ROADWAY 0004	BRIDGE 0010 S.N. 058-6027
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	100	100	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	90	90	
20200100	EARTH EXCAVATION	CU YD	172	172	
20300100	CHANNEL EXCAVATION	CU YD	814	814	
20400800	FURNISHED EXCAVATION	CU YD	135	135	
20800150	TRENCH BACKFILL	CU YD	22.7	22.7	
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	402	402	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	75	75	
28000305	TEMPORARY DITCH CHECKS	FOOT	10	10	
28000400	PERIMETER EROSION BARRIER	FOOT	493	493	
28000500	INLET AND PIPE PROTECTION	EACH	2	2	
28100109	STONE RIPRAP, CLASS A5	SQ YD	720		720
28200200	FILTER FABRIC	SQ YD	720		720
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	534	534	

Δ SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
TAYLOR ROAD OVER WARD BRANCH

SCALE: 1" = 50' SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	4
			CONTRACT NO. 95870	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BRIDGE
				0004	0010
					S.N. 058-6027
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	42	42	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1199	1199	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	240	240	
40701801	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"	SQ YD	380	380	
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	127	127	
44000100	PAVEMENT REMOVAL	SQ YD	733	733	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	85	85	
48100100	AGGREGATE SHOULDERS, TYPE A	TON	51	51	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50200100	STRUCTURE EXCAVATION	CU YD	297		297
50300100	FLOOR DRAINS	EACH	10		10
50300225	CONCRETE STRUCTURES	CU YD	73.3		73.3
50300255	CONCRETE SUPERSTRUCTURE	CU YD	154.1		154.1
50300260	BRIDGE DECK GROOVING	SQ YD	513		513

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
TAYLOR ROAD OVER WARD BRANCH

SCALE: 1" = 50' SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	5
			CONTRACT NO. 95870	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% LOCAL	
				ROADWAY 0004	BRIDGE 0010
				S.N. 058-6027	
50300300	PROTECTIVE COAT	SQ YD	667		667
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	94.7		94.7
50401315	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, IL36N	FOOT	466.3		466.3
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	80580		80580
51201710	FURNISHING STEEL PILES HP12X84	FOOT	480		480
51202305	DRIVING PILES	FOOT	480		480
51203710	TEST PILE STEEL HP12X84	EACH	2		2
51500100	NAME PLATES	EACH	1		1
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1	
55100900	STORM SEWER REMOVAL 18"	FOOT	110	110	
Δ 56100900	WATER MAIN 12"	FOOT	285	285	
Δ 56105200	WATER VALVES 12"	EACH	1	1	
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	105		105
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	73		73

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
TAYLOR ROAD OVER WARD BRANCH

SCALE: 1" = 50' SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	6
CONTRACT NO. 95870			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% LOCAL	
				ROADWAY 0004	BRIDGE 0010 S.N. 058-6027
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1	1	
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	1	1	
60500040	REMOVING MANHOLES	EACH	2	2	
60605300	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (MODIFIED)	FOOT	76	76	
Δ 61000050	CONCRETE THRUST BLOCKS	EACH	2	2	
Δ 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	287.5	287.5	
Δ 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
Δ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1	
63200310	GUARDRAIL REMOVAL	FOOT	529	529	
67100100	MOBILIZATION	L SUM	1	1	
Δ 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1	
Δ 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1380	1380	
Δ 78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	8	8	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
TAYLOR ROAD OVER WARD BRANCH

SCALE: 1" = 50' SHEET 4 OF 5 SHEETS STA. TO STA.

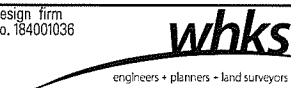
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	7
				CONTRACT NO. 95870
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% LOCAL	
				ROADWAY	BRIDGE
				0004	0010
					S.N. 058-6027
Δ 78200010	BARRIER WALL REFLECTORS, TYPE B	EACH	8	8	
Δ X0327094	VALVE BOX 6"	EACH	1	1	
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.25	0.25	
Δ X5610651	ABANDON EXISTING WATER MAIN, FILL WITH CLSM	FOOT	202	202	
Δ X5630712	CONNECTION TO EXISTING WATER MAIN 12"	EACH	2	2	
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	155		155
Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	53	53	
Z0056670	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 18"	FOOT	43	43	

Δ SPECIALTY ITEMS

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Design firm
no. 184001036



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PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

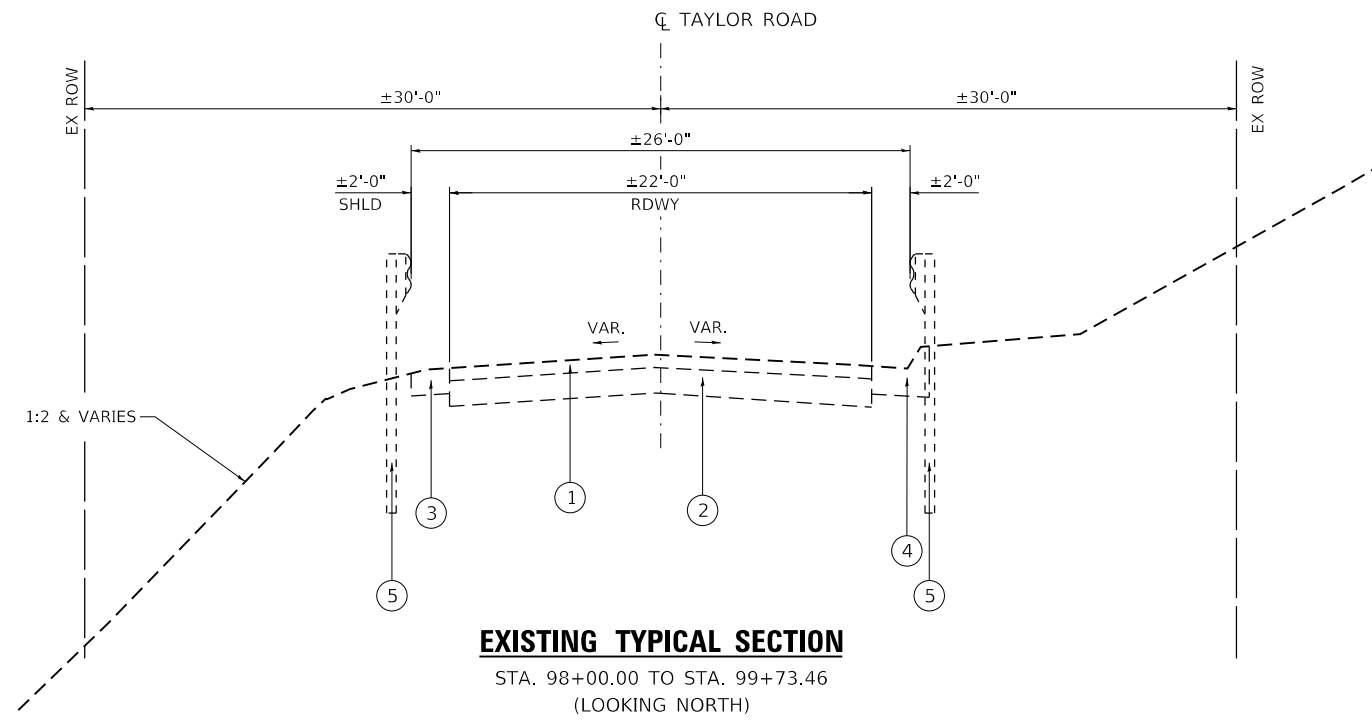
SUMMARY OF QUANTITIES
TAYLOR ROAD OVER WARD BRANCH

SCALE: 1" = 50' SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	8
CONTRACT NO. 95870			ILLINOIS FED. AID PROJECT	

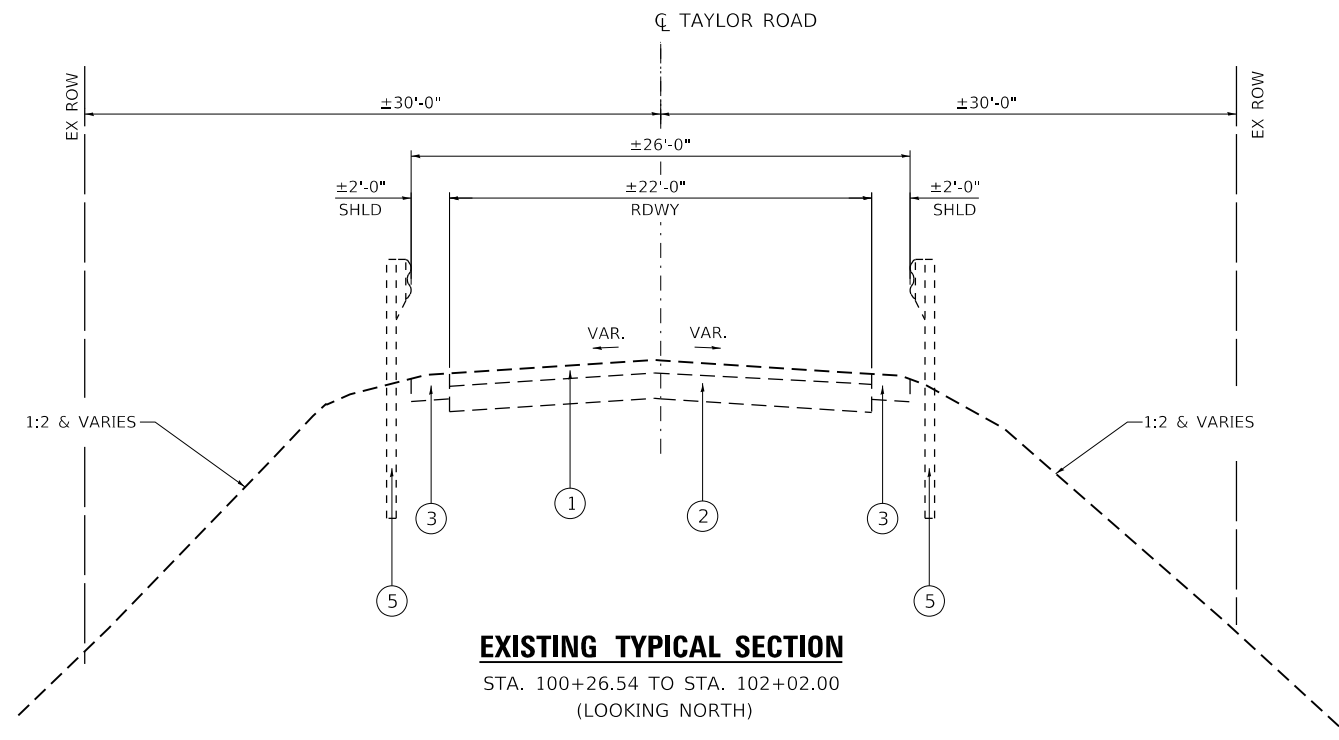
LEGEND

- ① EX HMA PAVEMENT 4"
- ② EX CONCRETE BASE COURSE, 8"
- ③ EX AGGREGATE SHOULDER
- ④ EX CURB & GUTTER
- ⑤ EX GUARDRAIL



EXISTING TYPICAL SECTION

STA. 98+00.00 TO STA. 99+73.46
(LOOKING NORTH)



EXISTING TYPICAL SECTION

STA. 100+26.54 TO STA. 102+02.00
(LOOKING NORTH)

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design firm
no. 184001036



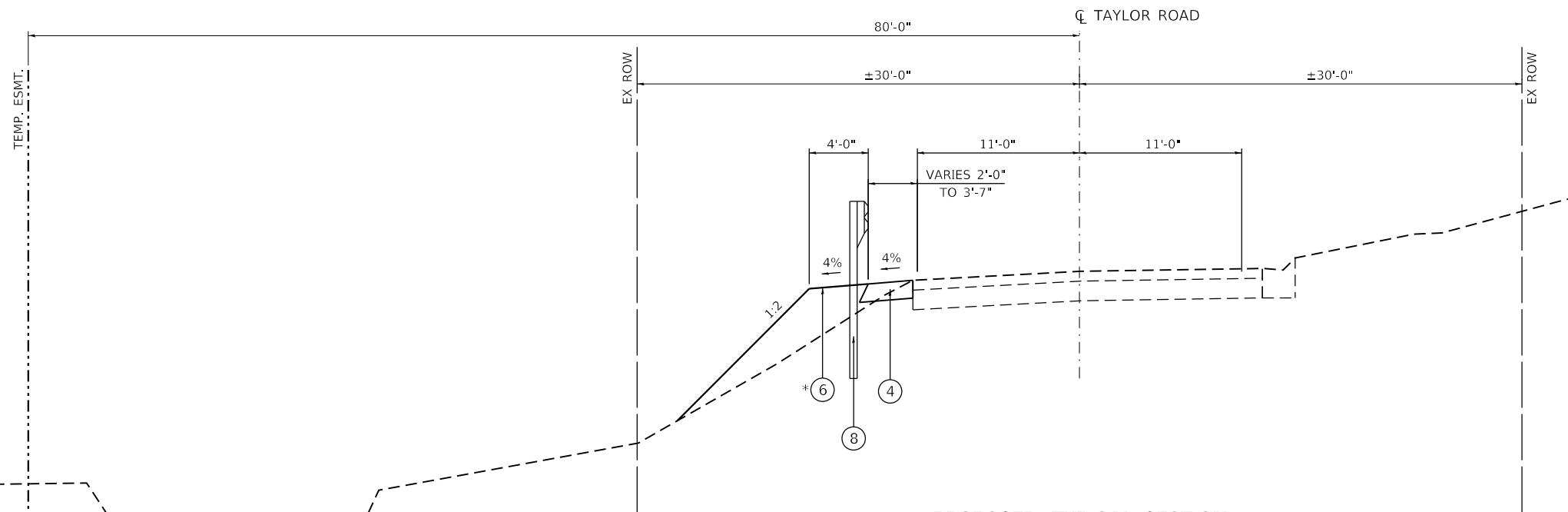
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PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS
TAYLOR ROAD OVER WARD BRANCH**

SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	9
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				



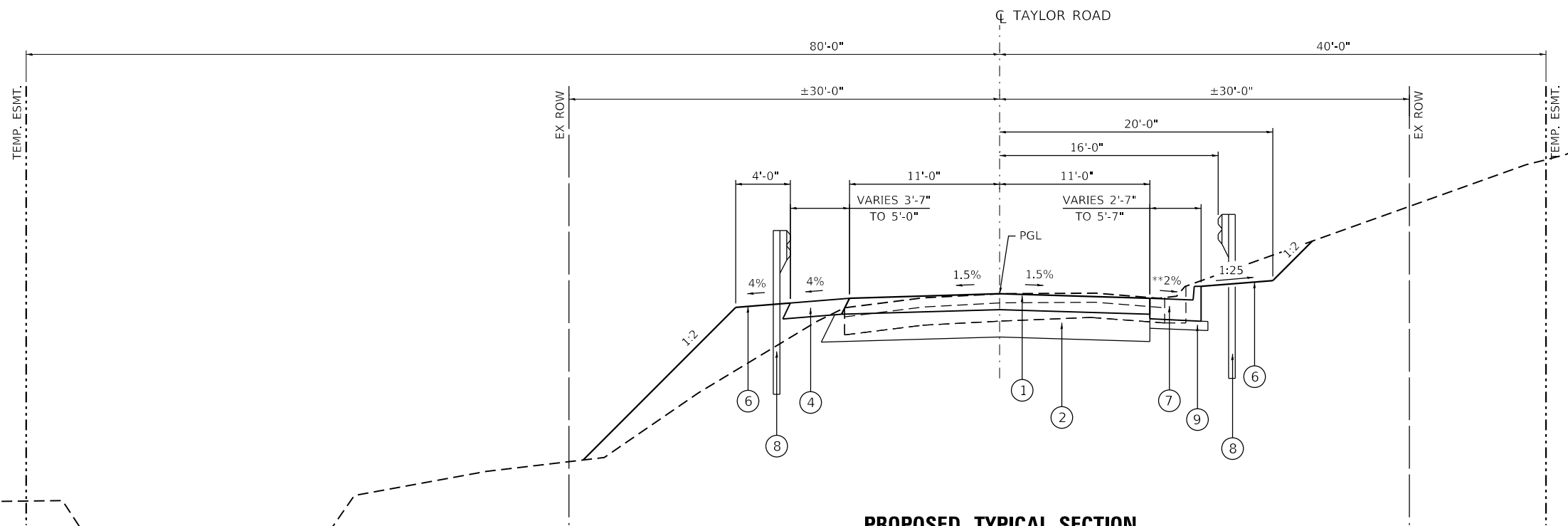
PROPOSED TYPICAL SECTION

STA. 98+16.70 TO STA. 98+57.00
(LOOKING NORTH)

* BEGINS AT STA. 98+00 LT

LEGEND

- ① PR HMA PAVEMENT (FULL-DEPTH), 6"
- ② PR AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ③ PR PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
- ④ PR AGGREGATE SHOULDERS, TYPE A (6")
- ⑤ NOT USED
- ⑥ PR EARTH SHOULDER
- ⑦ PR COMBINATION CONCRETE CURB & GUTTER TY B-6.24 (MODIFIED)
- ⑧ PR GUARDRAIL
- ⑨ PR SUBBASE GRANULAR MATERIAL, TYPE A 4"

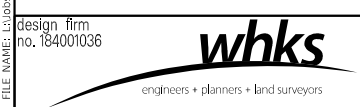


PROPOSED TYPICAL SECTION

STA. 98+57.00 TO STA. 99+03.32
(LOOKING NORTH)

** MAINTAIN 2% SLOPE IN GUTTER PAN

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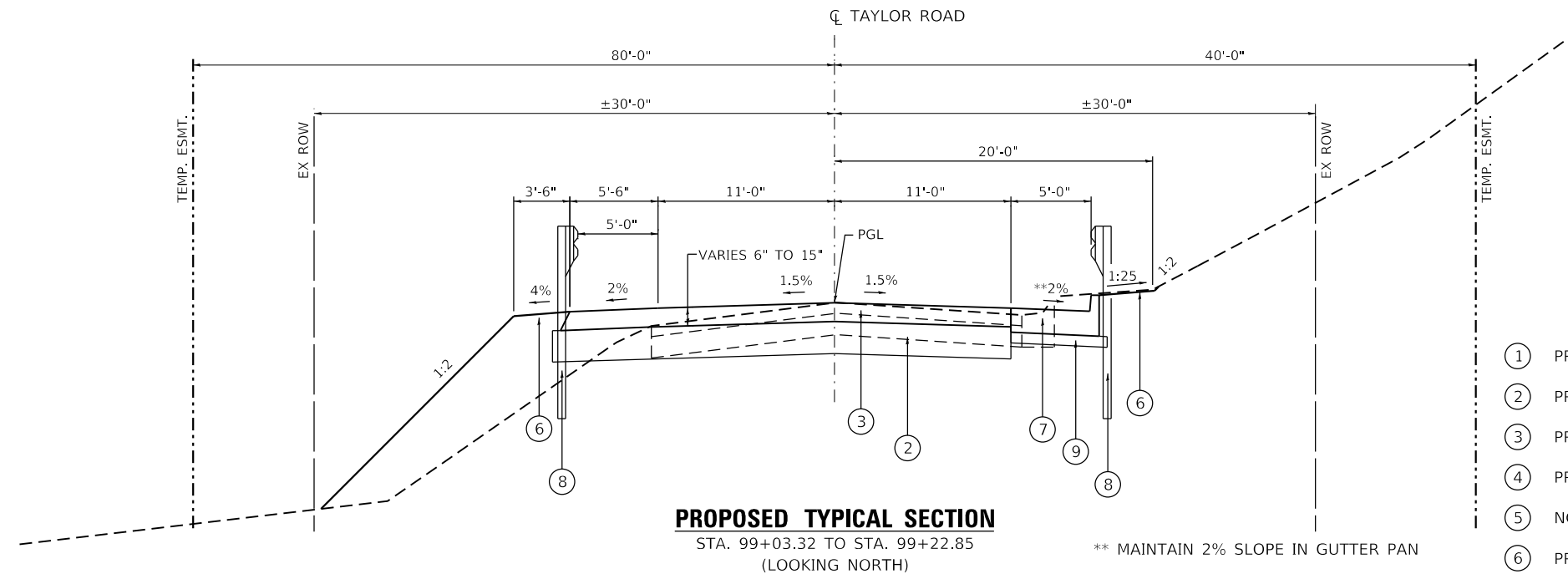
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PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS
TAYLOR ROAD OVER WARD BRANCH**

SCALE: 1"=5' SHEET 1 OF 2 SHEETS STA. TO STA.

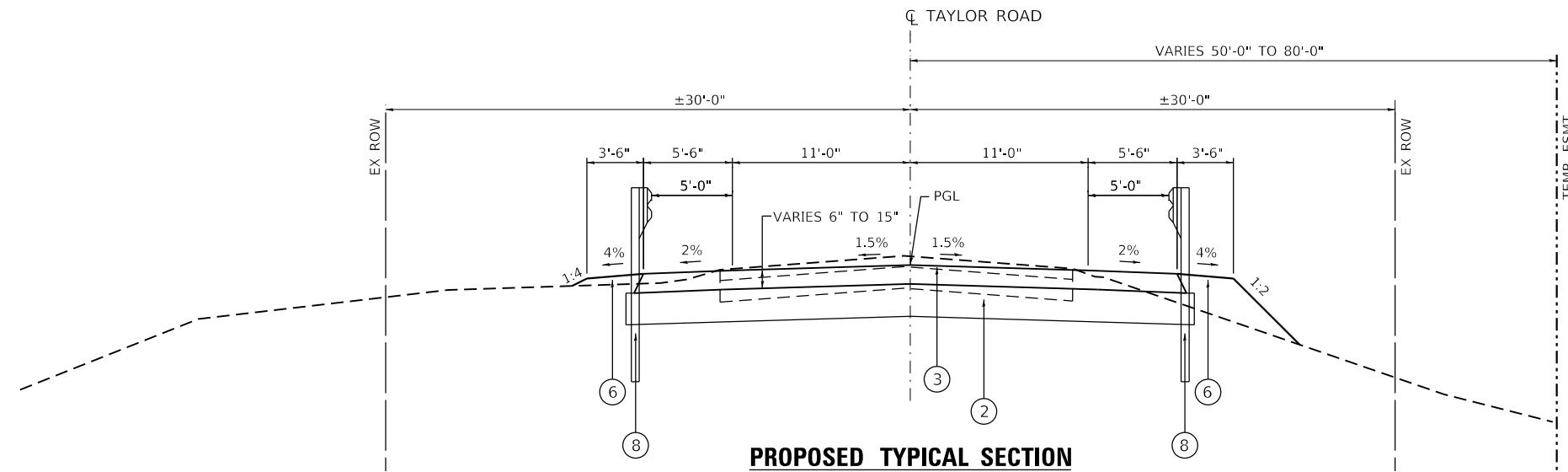
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	10
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				



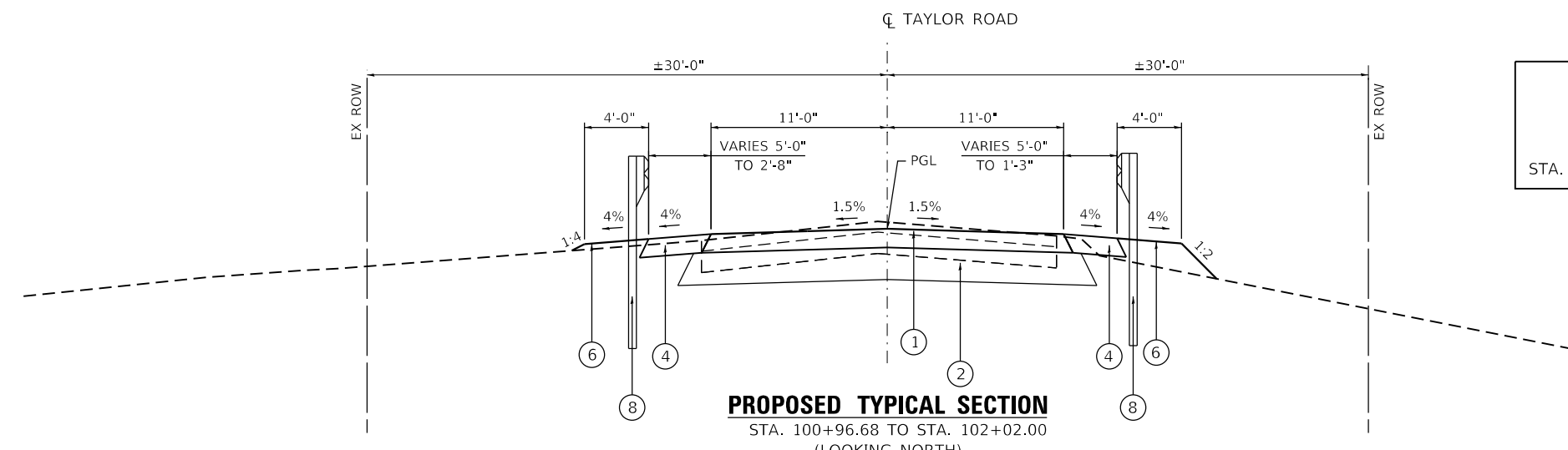
PROPOSED TYPICAL SECTION
STA. 99+03.32 TO STA. 99+22.85
(LOOKING NORTH)

LEGEND

- ① PR HMA PAVEMENT (FULL-DEPTH), 6"
- ② PR AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ③ PR PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
- ④ PR AGGREGATE SHOULDERS, TYPE A (6")
- ⑤ NOT USED
- ⑥ PR EARTH SHOULDER
- ⑦ PR COMBINATION CONCRETE CURB & GUTTER TY B-6.24 (MODIFIED)
- ⑧ PR GUARDRAIL
- ⑨ PR SUBBASE GRANULAR MATERIAL, TYPE A 4"



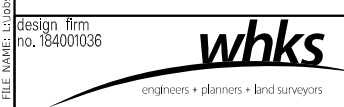
PROPOSED TYPICAL SECTION
STA. 100+77.15 TO STA. 100+96.68
(LOOKING NORTH)



PROPOSED TYPICAL SECTION
STA. 100+96.68 TO STA. 102+02.00
(LOOKING NORTH)

OMISSIONS:
BRIDGE
STA. 99+52.85 TO STA. 100+47.15 (SN 058-6027)
APPROACH SLAB
STA. 99+22.85 TO STA. 99+52.85 & STA. 100+47.15 TO STA. 100+77.15

MODEL: Default; design firm no. 184001036; FILE NAME: c:\projects\decatur\8677 Taylor Road and Main Street\CADD\CAD_Sheets\8677-shctypical-MRL.dgn



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PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS
TAYLOR ROAD OVER WARD BRANCH**

SCALE: 1"=5' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	11
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				

LOCATION	20200100	20300100	FOR INFORMATION ONLY		20400800
	EARTH EXCAVATION	CHANNEL EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT (ADJUSTED FOR SHRINKAGE) (EXC. x 0.75)	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) AND SHORTAGE (-)
	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.
STA. 98+00.00 TO STA. 99+51.69	105		79	234	-155
STA. 99+51.69 TO STA. 100+48.31		814	611	*153	153
STA. 100+48.31 TO STA. 102+02.00	67		50	183	-133
TOTAL	172	814	740	570	-135

EARTH EXCAVATION SHRINKAGE FACTOR = 25%

*ASSUMES 25% OF THE CHANNEL EXCAVATION IS SUITABLE FOR THE EMBANKMENT.

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

FAU 7426 (TAYLOR ROAD)	UNIT
LT 98+59.00	10
LT 98+69.00	10
LT 98+83.00	12
LT 98+98.00	10
LT 99+14.00	14
LT 99+27.00	10
LT 99+35.00	6
LT 99+38.00	12
RT 101+55.00	8
RT 101+61.00	8
TOTAL	100

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

FAU 7426 (TAYLOR ROAD)	UNIT
LT 98+15.00	18
LT 98+38.00	16
LT 98+71.00	16
LT 99+00.00	22
LT 99+07.00	18
TOTAL	90

20800150 TRENCH BACKFILL

FAU 7426 (TAYLOR ROAD)	CU YD
RT 98+69.67 TO LT 98+69.67	1.6
RT 98+69.67 TO RT 99+25.00	4.4
RT 101+05 TO LT 101+60	16.6
TOTAL	22.7

25100635 HEAVY DUTY EROSION CONTROL BLANKET

FAU 7426 (TAYLOR ROAD)	SQ YD
LT 99+00.00 TO LT 100+45.00	318
RT 100+40.00 TO RT 100+75.00	84
TOTAL	402

28000250 TEMPORARY EROSION CONTROL SEEDING

FAU 7426 (TAYLOR ROAD)	POUND
LT 98+00.00 TO LT 99+25.00	18
LT 100+00.00 TO LT 102+02.00	15
RT 98+57.00 TO RT 99+75.00	15
RT 100+75.00 TO RT 102+02.00	15
TOTAL	75

*ASSUMES 3 APPLICATIONS

28000305 TEMPORARY DITCH CHECKS

FAU 7426 (TAYLOR ROAD)	FOOT
RT 25' 99+67.00	10
TOTAL	10

28000400 PERIMETER EROSION BARRIER

FAU 7426 (TAYLOR ROAD)	FOOT
LT 98+00.00 TO LT 99+25.00	150
LT 100+00.00 TO LT 102+02.00	203
RT 100+75.00 TO RT 102+02.00	140
TOTAL	493

28000500 INLET AND PIPE PROTECTION

FAU 7426 (TAYLOR ROAD)	EACH
RT 13' 98+69.00	1
RT 15' 99+25.00	1
TOTAL	2

30300112 AGGREGATE SUBGRADE IMPROVEMENT 12"

FAU 7426 (TAYLOR ROAD)	SQ YD
CL 98+57.00 TO CL 99+03.32	124
CL 99+03.32 TO CL 99+22.85	55
CL 100+77.15 TO CL 100+96.68	74
CL 100+96.68 TO CL 102+02.00	281
TOTAL	534

31100300 SUBBASE GRANULAR MATERIAL, TYPE A 4"

FAU 7426 (TAYLOR ROAD)	SQ YD
RT 98+57.00 TO RT 99+32.37	42
TOTAL	42

40600275 BITUMINOUS MATERIALS (PRIME COAT)

FAU 7426 (TAYLOR ROAD)	POUND
CL 98+57.00 TO CL 99+03.32	278
CL 99+03.32 TO CL 99+22.85	123
CL 100+77.15 TO CL 100+96.68	166
CL 100+96.68 TO CL 102+02.00	632
TOTAL	1199

40600290 BITUMINOUS MATERIALS (TACK COAT)

FAU 7426 (TAYLOR ROAD)	POUND
CL 98+57.00 TO CL 99+03.32	56
CL 99+03.32 TO CL 99+22.85	25
CL 100+77.15 TO CL 100+96.68	33
CL 100+96.68 TO CL 102+02.00	126
TOTAL	240

40701801 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"

FAU 7426 (TAYLOR ROAD)	SQ YD
CL 98+57.00 TO CL 99+03.30	116
CL 100+96.80 TO CL 102+02.00	264
TOTAL	380

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no. 184001036



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PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
TAYLOR ROAD OVER WARD BRANCH**

SCALE: 1" = 50' SHEET 1 OF 3 SHEETS STA. 97+00.00 TO STA. 103+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	12
				CONTRACT NO. 95870
				ILLINOIS FED. AID PROJECT

42000070 PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB

FAU 7426 (TAYLOR ROAD)				SQ YD
CL	99+03.32	TO	CL 99+22.85	55
CL	100+77.15	TO	CL 100+96.68	72
TOTAL				127

44000100 PAVEMENT REMOVAL

FAU 7426 (TAYLOR ROAD)				SQ YD
CL	98+57.00	TO	CL 99+73.00	289
CL	100+25.5	TO	CL 102+02.00	444
TOTAL				733

44000500 COMBINATION CURB AND GUTTER REMOVAL

FAU 7426 (TAYLOR ROAD)				FOOT
RT	98+57.00	TO	RT 99+42.00	85
TOTAL				85

48100100 AGGREGATE SHOULDERS, TYPE A

FAU 7426 (TAYLOR ROAD)				TON
LT	98+16.70	TO	LT 98+57.00	6
LT	98+57.00	TO	LT 98+91.60	7
LT	98+91.60	TO	LT 99+03.32	3
LT	100+96.68	TO	LT 101+02.30	2
LT	101+02.30	TO	LT 102+02.00	17
RT	100+96.68	TO	RT 101+08.20	3
RT	101+08.20	TO	RT 102+02.00	13
TOTAL				51

54213663 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"

FAU 7426 (TAYLOR ROAD)				EACH
LT	98+69.00			1
TOTAL				1

55100900 STORM SEWER REMOVAL 18"

FAU 7426 (TAYLOR ROAD)				FOOT
RT	98+70.00	TO	RT 99+18.00	50
RT	99+18.00	TO	RT 99+43.00	25
RT	99+43.00	TO	RT 99+78.00	35
TOTAL				110

56100900 WATER MAIN 12"

FAU 7426 (TAYLOR ROAD)				FOOT
RT	98+78.00	TO	RT 101+60.00	285
TOTAL				285

56105200 WATER VALVES 12"

FAU 7426 (TAYLOR ROAD)				EACH
RT	101+60.00			1
TOTAL				1

60218400 MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID

FAU 7426 (TAYLOR ROAD)				EACH
RT	26'	98+69.00		1
TOTAL				1

60218500 MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE

FAU 7426 (TAYLOR ROAD)				EACH
RT	13'	98+69.00		1
TOTAL				1

60235700 INLETS, TYPE A, TYPE 3 FRAME AND GRATE

FAU 7426 (TAYLOR ROAD)				EACH
RT	15'	99+25.00		1
TOTAL				1

60500040 REMOVING MANHOLES

FAU 7426 (TAYLOR ROAD)				EACH
RT	16'	99+17.50		1
RT	19'	99+42.50		1
TOTAL				2

60605300 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (MODIFIED)

FAU 7426 (TAYLOR ROAD)				FOOT
RT	98+57.00	TO	RT 99+32.37	76
TOTAL				76

61000050 CONCRETE THRUST BLOCKS

FAU 7426 (TAYLOR ROAD)				EACH
*QUANTITY ESTIMATED - LOCATION TBD				2
TOTAL				2

63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

FAU 7426 (TAYLOR ROAD)				FOOT
RT	101+02.31	TO	RT 102+02.00	100
LT	98+16.72	TO	LT 98+91.72	75
LT	100+89.81	TO	LT 102+02.00	112.5
TOTAL				287.5

63100085 TRAFFIC BARRIER TERMINAL, TYPE 6

FAU 7426 (TAYLOR ROAD)				EACH
RT	99+10.18	TO	RT 99+47.68	1
RT	100+64.8	TO	RT 101+02.31	1
LT	98+91.72	TO	LT 99+29.22	1
LT	100+52.3	TO	LT 100+89.81	1
TOTAL				4

63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

FAU 7426 (TAYLOR ROAD)				EACH
RT	98+60.18	TO	RT 99+10.18	1
TOTAL				1

63200310 GUARDRAIL REMOVAL

FAU 7426 (TAYLOR ROAD)				FOOT
LT	98+16.70	TO	LT 99+70.30	154
LT	100+28.00	TO	LT 102+02.00	174
RT	99+43.30	TO	RT 99+70.30	27
RT	100+28.00	TO	RT 102+02.00	174
TOTAL				529

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no. 184001036



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PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
TAYLOR ROAD OVER WARD BRANCH

SCALE: 1" = 50' SHEET 2 OF 3 SHEETS STA. 97+00.00 TO STA. 103+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	13
				CONTRACT NO. 95870
		ILLINOIS	FED. AID PROJECT	

67100100 MOBILIZATION

FAU 7426 (TAYLOR ROAD)		L SUM
TOTAL		1

X0327094 VALVE BOX 6"

FAU 7426 (TAYLOR ROAD)		EACH
RT	101+60.00	1
TOTAL		1

Z0013798 CONSTRUCTION LAYOUT

FAU 7426 (TAYLOR ROAD)		L SUM
TOTAL		1

72501000 TERMINAL MARKER - DIRECT APPLIED

FAU 7426 (TAYLOR ROAD)		EACH
RT	98+60.00	1
TOTAL		1

X2501000 SEEDING, CLASS 2 (SPECIAL)

FAU 7426 (TAYLOR ROAD)		ACRE
LT	98+00.00 TO LT 99+25.00	0.06
LT	100+00.0 TO LT 102+02.00	0.05
RT	98+57.00 TO RT 99+75.00	0.05
RT	100+75.0 TO RT 102+02.00	0.05
TOTAL		0.25

Z0056648 STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"

FAU 7426 (TAYLOR ROAD)		FOOT
RT	98+69.00 TO RT 99+25.00	53
TOTAL		53

78009006 MODIFIED URETHANE PAVEMENT MARKING - LINE 6"

FAU 7426 (TAYLOR ROAD)		FOOT
LT	98+57.00 TO LT 102+02.00 WHITE	345
CL	98+57.00 TO CL 102+02.00 DBL YELLOW	690
RT	98+57.00 TO RT 102+02.00 WHITE	345
TOTAL		1,380

X5610651 ABANDON EXISTING WATER MAIN, FILL WITH CLSM

FAU 7426 (TAYLOR ROAD)		FOOT
RT	98+78.00 TO RT 99+60.00	82
RT	100+40.00 TO RT 101+60.00	120
TOTAL		202

Z0056670 STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 18"

FAU 7426 (TAYLOR ROAD)		FOOT
RT	98+69.00 TO RT 98+69.00	11
LT	98+69.00 TO LT 98+69.00	32
TOTAL		43

78200006 GUARDRAIL REFLECTORS, TYPE B

FAU 7426 (TAYLOR ROAD)		EACH
RT	98+60.00 TO RT 105+90.00	4
LT	98+16.00 TO LT 102+02.00	4
TOTAL		8

X5630712 CONNECTION TO EXISTING WATER MAIN 12"

FAU 7426 (TAYLOR ROAD)		EACH
RT	98+78.00	1
RT	101+60.00	1
TOTAL		2

78200010 BARRIER WALL REFLECTORS, TYPE B

FAU 7426 (TAYLOR ROAD)		EACH
LT	99+51.69 TO LT 100+48.31	4
RT	99+51.69 TO RT 100+48.31	4
TOTAL		8

X7011800 TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21

FAU 7426 (TAYLOR ROAD)		L SUM
TOTAL		1

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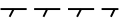

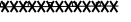
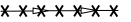



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
TAYLOR ROAD OVER WARD BRANCH

SCALE: 1" = 50' SHEET 3 OF 3 SHEETS STA. 97+00.00 TO STA. 103+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	14
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				

REMOVAL LEGEND

-  TREE REMOVAL
-  PAVEMENT REMOVAL (44000100)
-  COMBINATION CURB AND GUTTER REMOVAL (44000500)
-  REMOVAL OF EXISTING STRUCTURES (50100100)
-  GUARDRAIL REMOVAL (63200310)
-  STORM SEWER REMOVAL 18" (55100900)
-  REMOVAL
-  RELOCATE
-  BY OTHERS

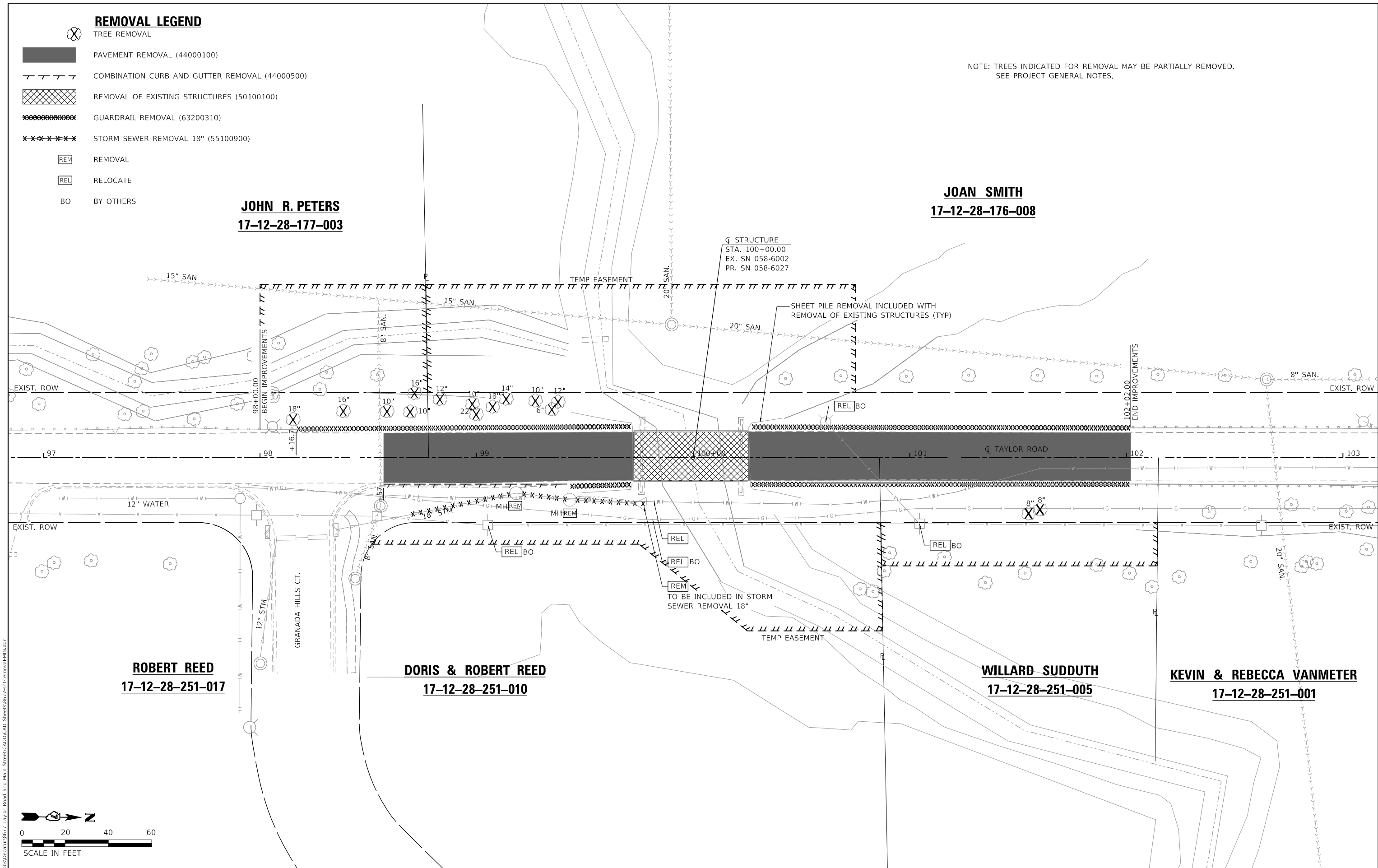
NOTE: TREES INDICATED FOR REMOVAL MAY BE PARTIALLY REMOVED.
SEE PROJECT GENERAL NOTES.

JOHN R. PETERS
17-12-28-177-003

JOAN SMITH
17-12-28-176-008

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
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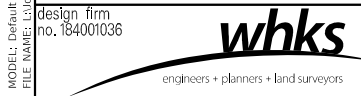


ROBERT REED
17-12-28-251-017

DORIS & ROBERT REED
17-12-28-251-010

WILLARD SUDDUTH
17-12-28-251-005

KEVIN & REBECCA VANMETER
17-12-28-251-001



USER NAME = gjameson	DESIGNED - RKA	REVISED
	CHECKED - CWC	REVISED
PLOT SCALE = 40,000' / in.	DRAWN - GSI	REVISED
PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

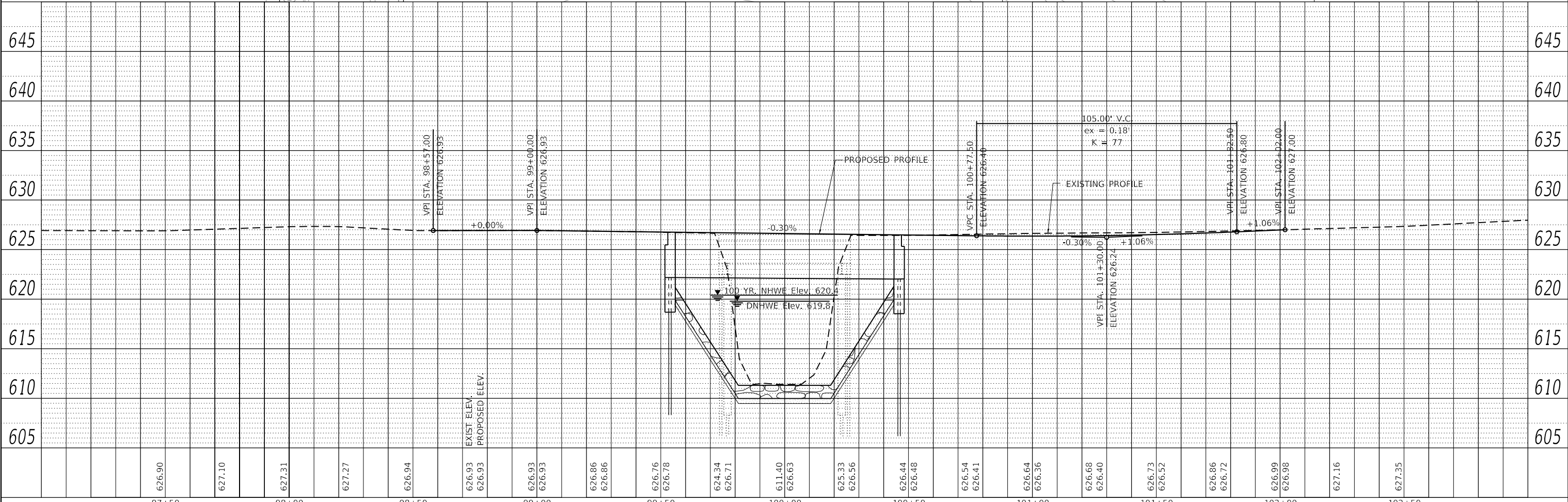
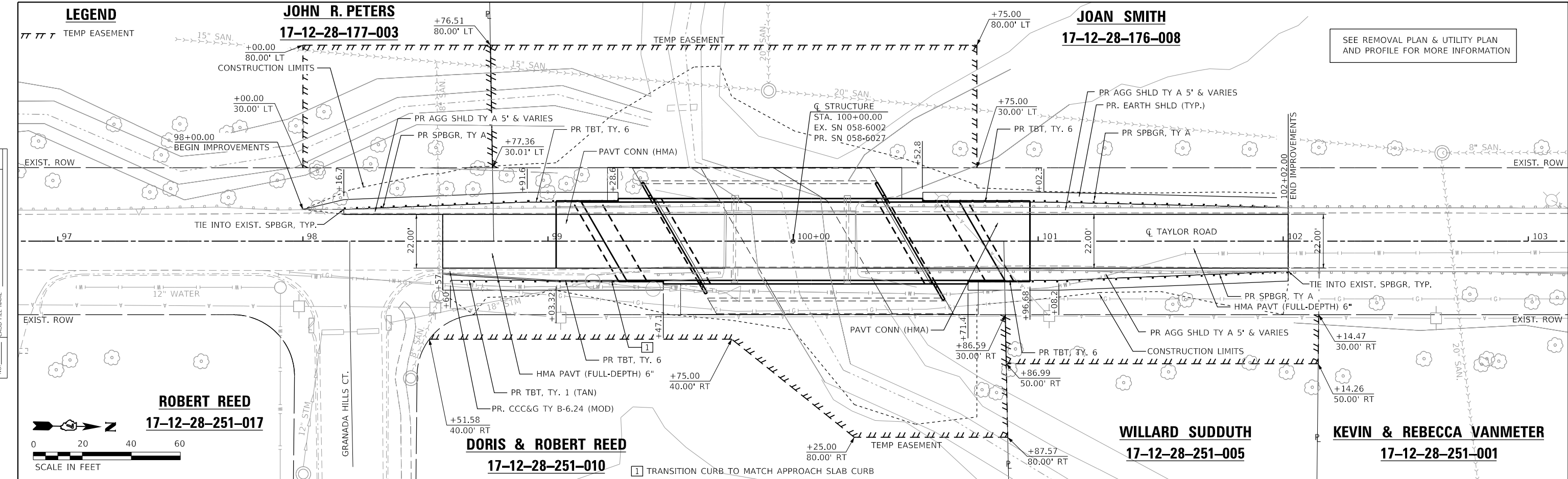
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN			
TAYLOR ROAD OVER WARD BRANCH			
SCALE: 1"=20'	SHEET 1	OF 1 SHEETS	STA. 97+00.00 TO STA. 103+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	15
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
GRADES CHECKED	
STRUCTURE NOTATION CHECKED	
NOTE BOOK NO.	
CADD FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATION CHECKED	
NOTE BOOK NO.	
CADD FILE NAME	



626.90	627.10	627.31	627.27	626.94	626.93	626.93	626.86	626.86	626.76	626.78	624.34	626.71	611.40	626.63	625.33	626.56	626.44	626.48	626.54	626.41	626.64	626.36	626.68	626.40	626.73	626.52	626.86	626.72	626.99	626.98	627.16	627.35
97+50	98+00	98+50	99+00	99+50	100+00	100+50	101+00	101+50	102+00	102+50																						

Design firm
no. 184001036

engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - RKA	REVISED
	CHECKED - CWC	REVISED
PLOT SCALE = 40,000' / in.	DRAWN - GSI	REVISED
PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
TAYLOR ROAD OVER WARD BRANCH**

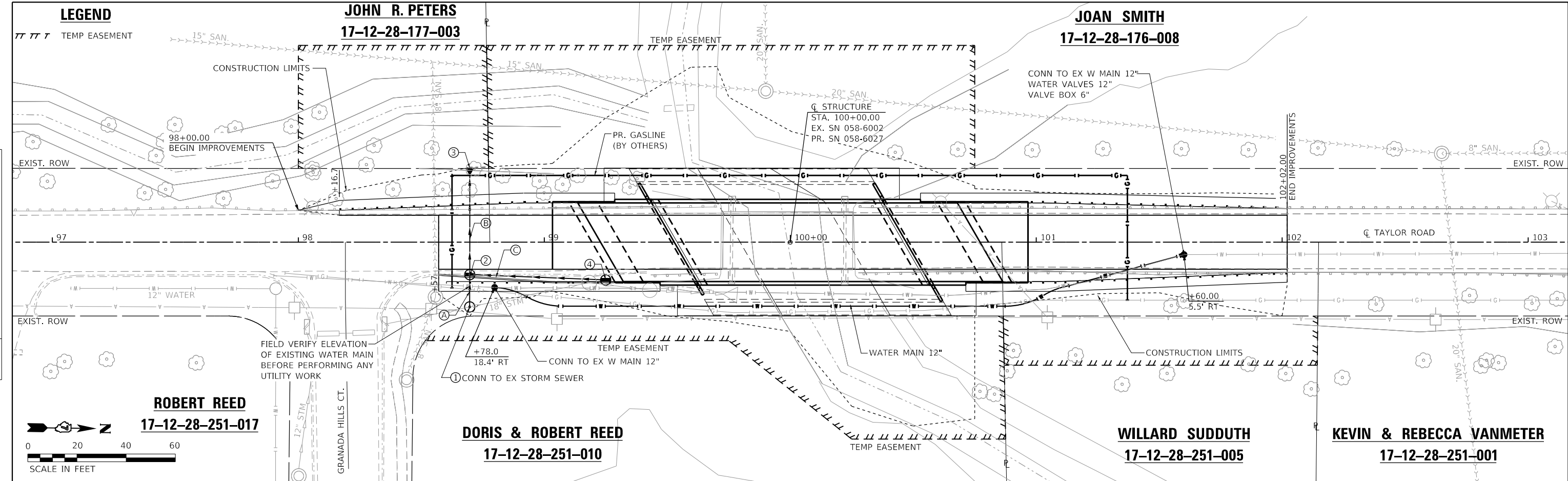
SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 97+00.00 TO STA. 103+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	16
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				

SEE REMOVAL PLAN & UTILITY PLAN AND PROFILE FOR MORE INFORMATION

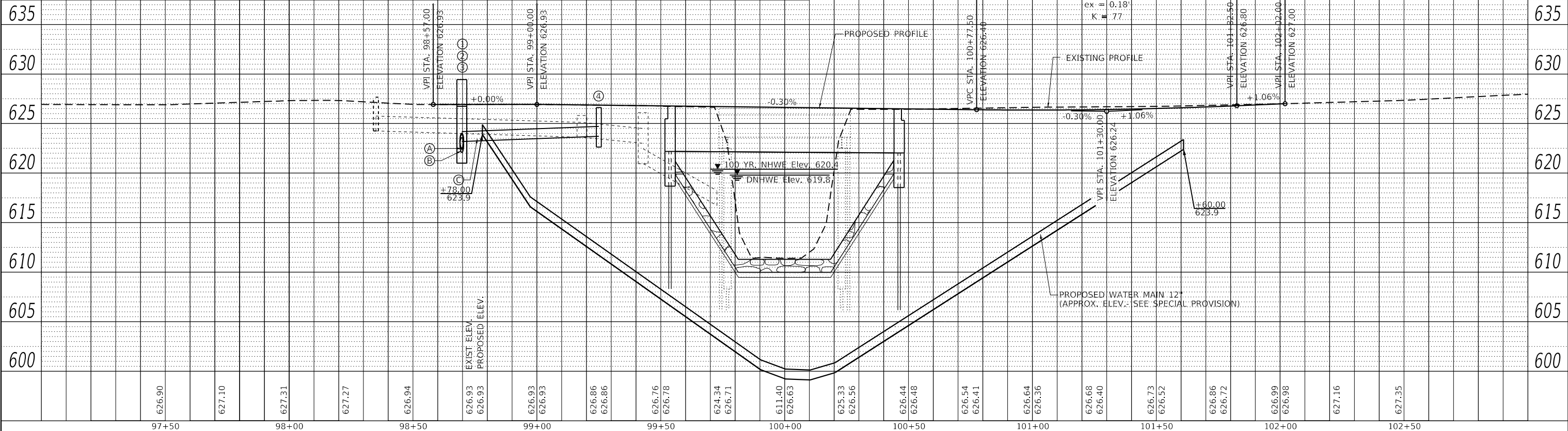
DATE	
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REVISIONS	
NO.	
DATE	
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REVISIONS	
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DATE	
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REVISIONS	
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DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	



STRUCTURE NO.	STA.	OFFSET FT.	STRUCTURE TYPE	RIM	INVERTS	
1	98+69.69	25.82' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	629.44	624.00 EX 18" SE	622.53 18" W
2	98+69.69	12.32' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	626.74	622.43 18" E	622.39 18" W 623.18 12" N
3	98+69.69	21.66' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"		622.07 W	
4	99+25.00	15.67' RT	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	626.63	623.71 12" S	

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD	US INV	DS INV
A	1	2	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 18"	11	1%		622.53	622.43
B	2	3	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 18"	32	1%	1.6	622.39	622.07
C	4	2	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	53	1%	4.4	623.71	623.18



Design firm
no. 184001036

engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - RKA	REVISED
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PLOT SCALE = 40,000' / in.	DRAWN - GSI	REVISED
PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

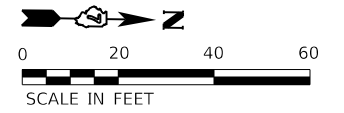
**UTILITY PLAN AND PROFILE
TAYLOR ROAD OVER WARD BRANCH**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 97+00.00 TO STA. 103+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	17
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				

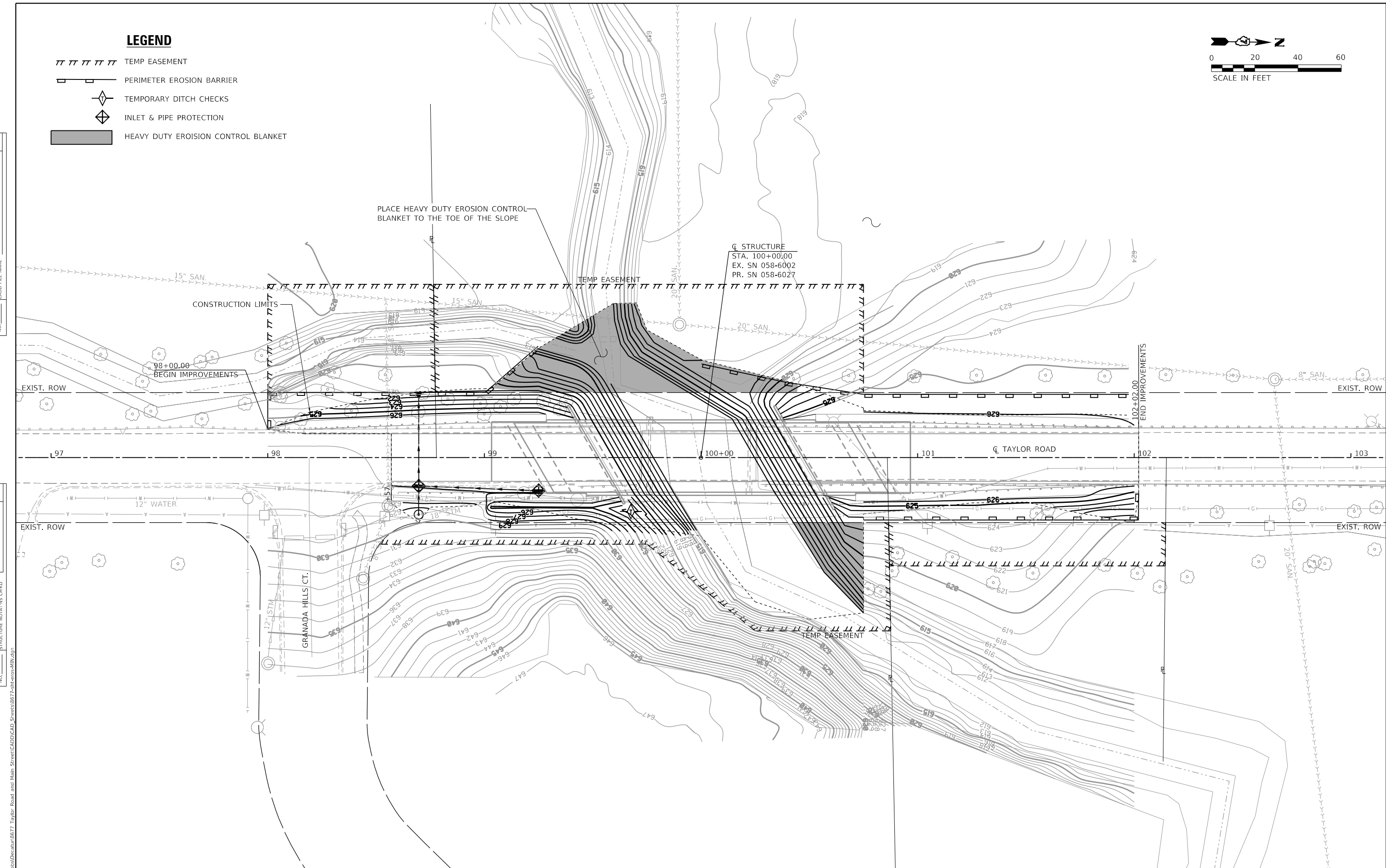
LEGEND

- ▬▬▬▬▬▬ TEMP EASEMENT
- ▬ PERIMETER EROSION BARRIER
- ◊ TEMPORARY DITCH CHECKS
- ◊ INLET & PIPE PROTECTION
- HEAVY DUTY EROSION CONTROL BLANKET



PLAN	SURVEYED	DATE
NO.	PLOTTED	
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATION CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
NO.	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	



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USER NAME = gjameson	DESIGNED - RKA	REVISED
	CHECKED - CWC	REVISED
PLOT SCALE = 40,000' / in.	DRAWN - GSI	REVISED
PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND GRADING PLAN
TAYLOR ROAD OVER WARD BRANCH

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	18
CONTRACT NO. 95870				

SCALE: 1"=20'

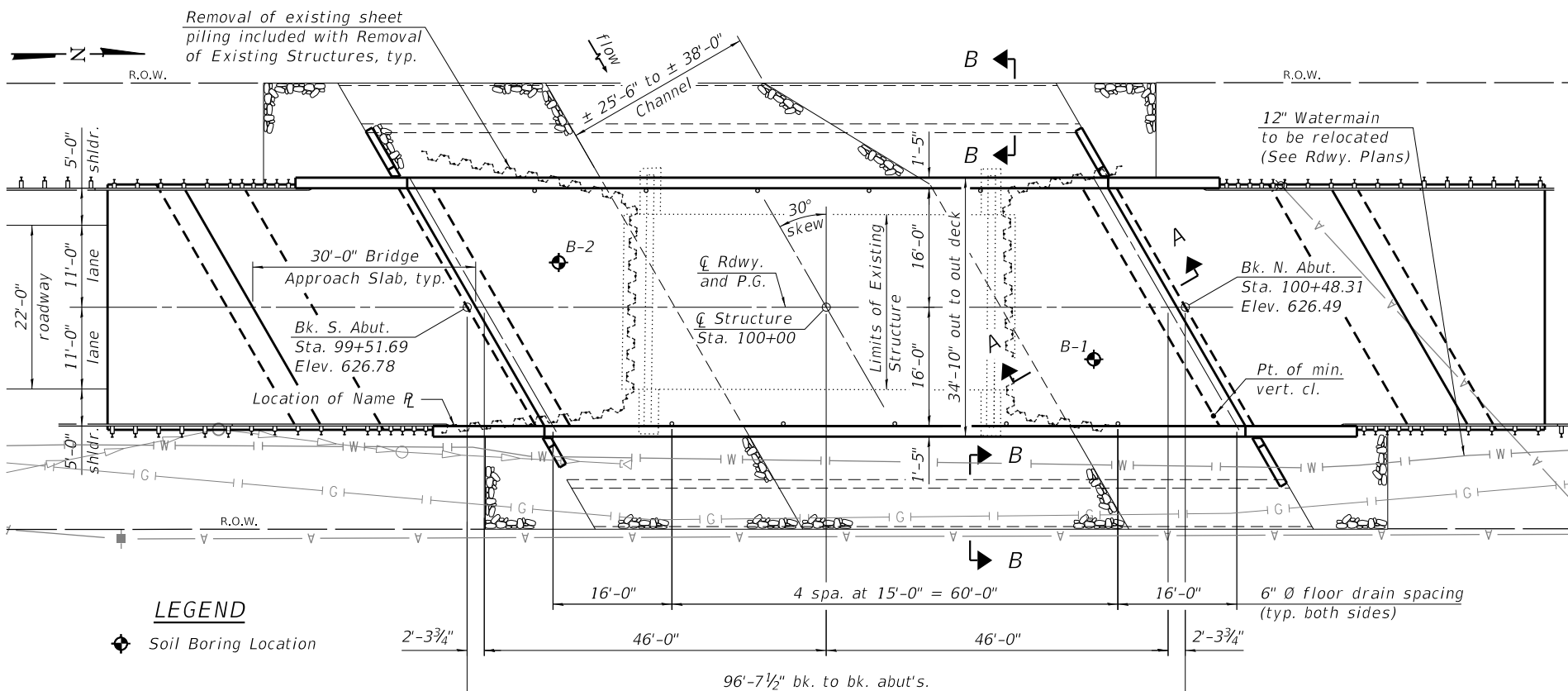
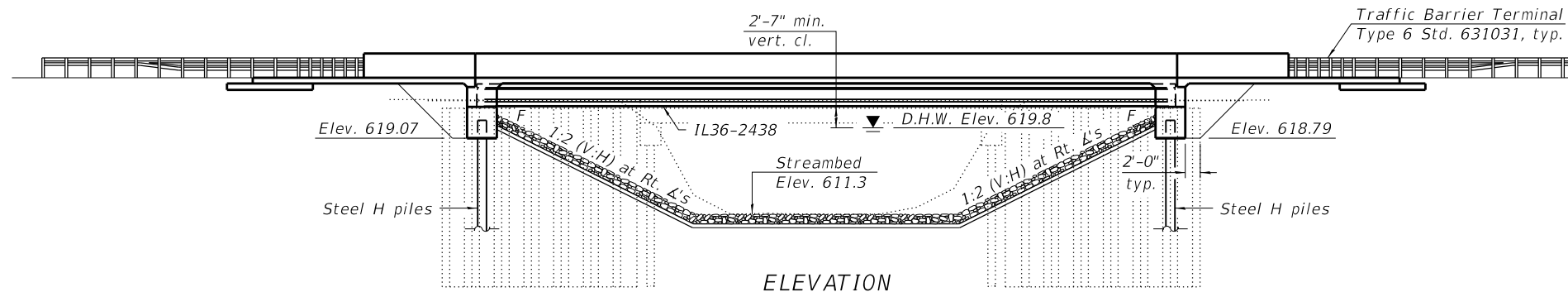
SHEET 1 OF 1 SHEETS

STA. 97+00.00 TO STA. 103+00.00

Benchmark: BM #1 - RR spike in N. face of wooden power pole at the S.E. corner of Taylor Rd. and Granada Hills Ct. intersection. GPS #650, Elev. 626.56'

Existing Structure: SN 058-6002 is a single span steel multi-girder structure with reinforced concrete deck and bituminous wearing surface. Bridge is supported by fracture-critical steel abutment beam on concrete pedestals with sheet pile retaining the embankments. The structure is 53'-1" from back-to-back abutments and 26'-0" out-to-out deck. Bridge to be removed and replaced during roadway closure.

Salvage: None



LEGEND

Soil Boring Location

WATERWAY INFORMATION TABLE

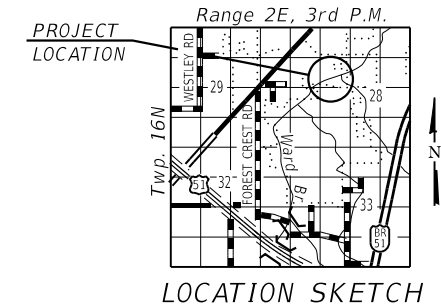
		Exist. Low Grade Elev. 626.44 at Sta. 100+50.30		Prop. Low Grade Elev. 626.64 at Sta. 101+00.00			
Drainage Area = 8.54 sq. mi.							
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head - Ft.	Headwater Elev. Exist.	Prop.
	10	1,330	259 445	619.2	0.3 0.2	619.5	619.4
	15	1,563	271 466	619.5	0.5 0.3	620.0	619.8
	20	1,718	275 474	619.6	0.7 0.4	620.3	620.0
Design	30	1,936	283 489	619.8	0.9 0.6	620.7	620.4
	50	2,180	294 511	620.1	1.1 0.6	621.2	620.7
Base	100	2,560	306 534	620.4	1.5 0.9	621.9	621.3
Scour Check	200	2,959	321 558	620.7	2.0 1.3	622.7	622.0
Max. Calc.	500	3,510	337 589	621.1	2.7 1.9	623.8	623.0

DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elev. (ft.)		Item 113
	S. Abut.	N. Abut.	
Q100	-	-	8
Q200	-	-	
Design	619.07	618.79	
Check	619.07	618.79	

WARD BRANCH BUILT 20 BY CITY OF DECATUR SEC. 18-00805-00-BR F.A.U. RT. 7426 STA. 100+00 STR. NO. 058-6027 LOADING HL-93

NAME PLATE
See Std. 515001



INDEX OF SHEETS

- General Plan
- General Data
- Top of Slab Elevation Location Plan
- Top of Slab Elevations
- South Approach Slab Elevations
- North Approach Slab Elevations
- Superstructure
- Superstructure Details
- Diaphragm Details
- South Approach Slab
- North Approach Slab
- Approach Slab Details
- Concrete Parapet Slipforming Option
- Framing Plan
- IL36-2438 Beams
- IL36-2438 Beam Details
- South Abutment
- North Abutment
- HP Pile Details
- Boring Logs

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications 8th Edition

LOADING HL-93

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

DESIGN STRESSES

FIELD UNITS

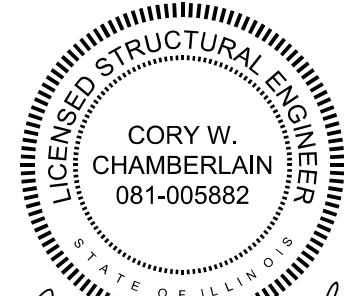
f'c = 4,000 psi (Superstructure Concrete)
f'c = 3,500 psi (Substructure Concrete)
fy = 60,000 psi (Reinforcement)

PRECAST UNITS

f'c = 8,500 psi
f'ci = 7,000 psi
fpu = 270,000 psi (0.6" low lax strands)
fpbt = 202,300 psi (0.6" low lax strands)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
Design Spectral Acceleration at 1.0 sec. (Sd1) = 0.155g
Design Spectral Acceleration at 0.2 sec. (Sds) = 0.285g
Soil Site Class = D



Cory W. Chamberlain
Expires: 11/30/2020
1-7-2020

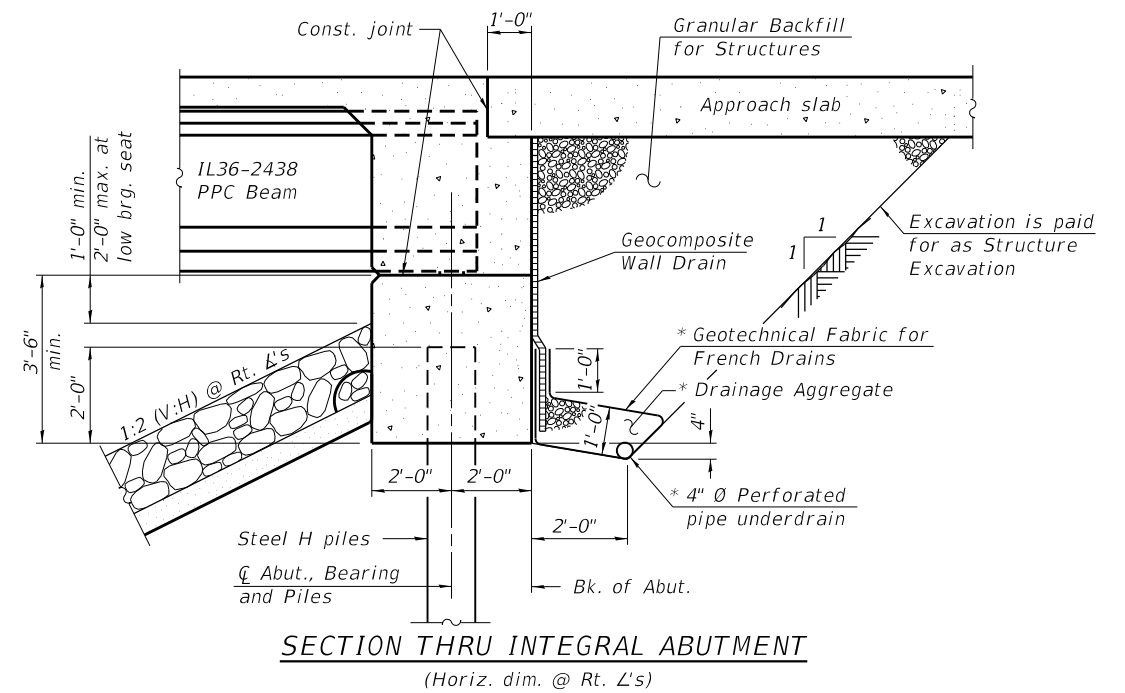
GENERAL PLAN
FAU RTE. 7426 (TAYLOR ROAD)
OVER WARD BRANCH
SECTION 18-00805-00-BR
MACON COUNTY
STA. 100+00
STRUCTURE NO. 058-6027

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
3. See Roadway Plans for Channel Excavation quantities.

TOTAL BILL OF MATERIAL

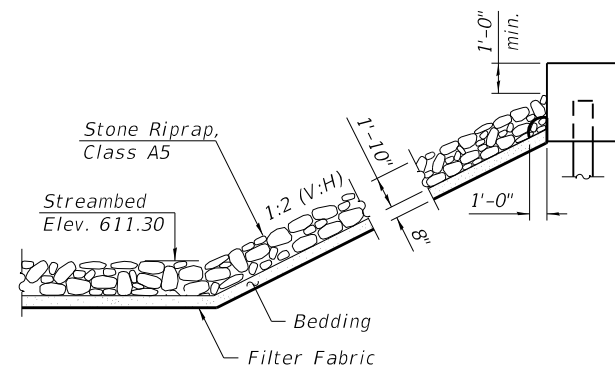
ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq. Yd.		720	720
Filter Fabric	Sq. Yd.		720	720
Removal Of Existing Structures	Each		1	1
Structure Excavation	Cu. Yd.		297	297
Floor Drains	Each	10		10
Concrete Structures	Cu. Yd.		73.3	73.3
Concrete Superstructure	Cu. Yd.	154.1		154.1
Bridge Deck Grooving	Sq. Yd.		513	513
Protective Coat	Sq. Yd.		667	667
Concrete Superstructure (Approach Slab)	Cu. Yd.		94.7	94.7
Furnishing and Erecting Precast Prestressed Concrete Beams, IL36N	Foot	466.3		466.3
Reinforcement Bars, Epoxy Coated	Pound	67,350	13,230	80,580
Furnishing Steel Piles HP12x84	Foot		480	480
Driving Piles	Foot		480	480
Test Pile Steel HP12x84	Each		2	2
Name Plates	Each	1		1
Granular Backfill For Structures	Cu. Yd.		105	105
Geocomposite Wall Drain	Sq. Yd.		73	73
Pipe Underdrain For Structures 4"	Foot		155	155



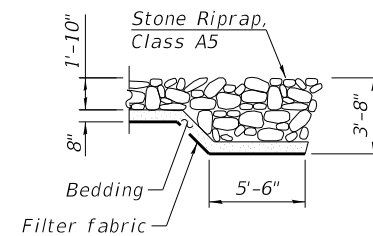
* Included in the cost of Pipe Underdrains for Structures, 4". (See Special Provisions)

Note:

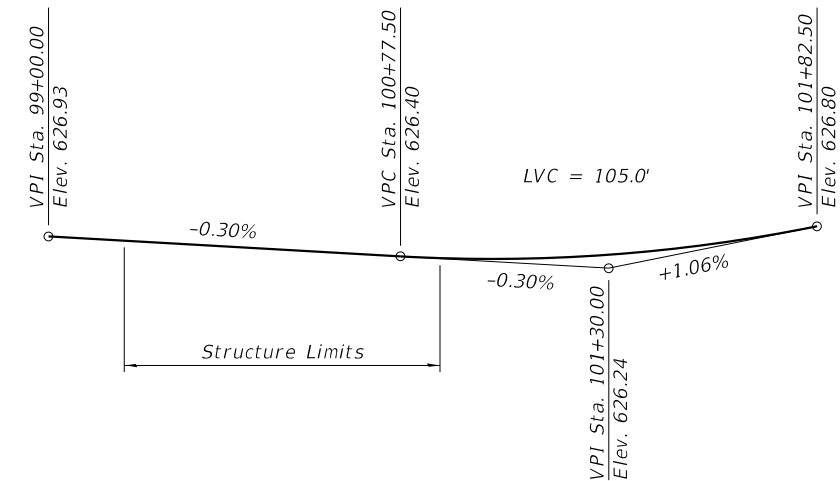
At each abutment, all drainage system components shall begin at the end of the east wingwall and slope to drain west extending 2'-0" past the west wingwall. Using a pipe elbow, extend the outlet pipe until intersecting with the riprap slope protection within the ROW limits. Outlet location shall be approved by the Engineer. The pipe shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101)



SECTION A-A



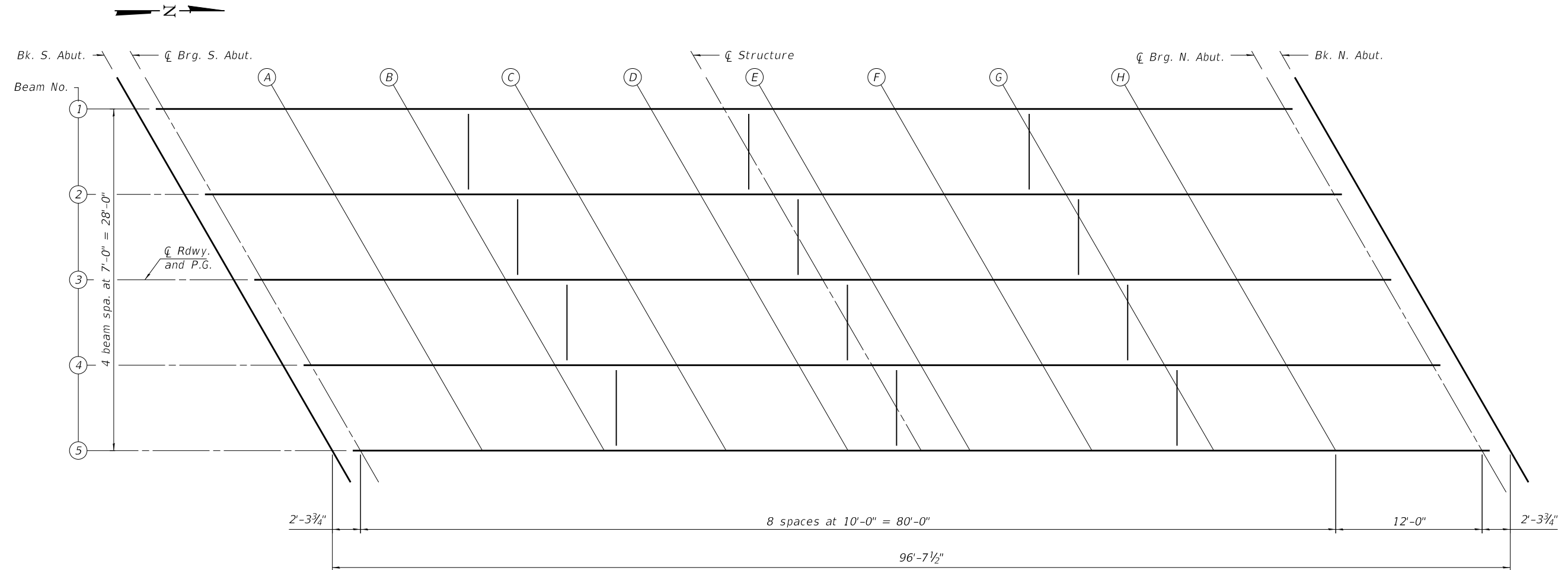
SECTION B-B



PROPOSED PROFILE
(Along C roadway)

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PLOT SCALE = 0.2" = 1' / in.	DRAWN - DLH	REVISED
PLOT DATE = 1/7/2020	CHECKED - SBC	REVISED

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	20
CONTRACT NO. 95870				

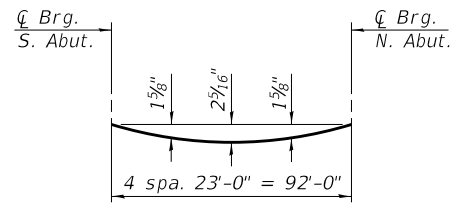


PLAN

Note:
Work this sheet with sheet 4.

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PLOT DATE = 1/7/2020	CHECKED - SBC	REVISED

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	21
CONTRACT NO. 95870				

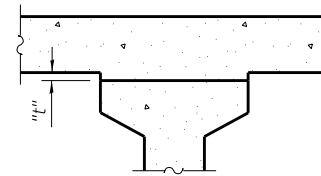


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.



To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflections" shown below, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

FILLET HEIGHTS

Beam 1

Loction	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	99+43.61	-14.00	626.57	626.57
C Brg. S. Abut.	99+45.92	-14.00	626.57	626.57
A	99+55.92	-14.00	626.54	626.60
B	99+65.92	-14.00	626.51	626.63
C	99+75.92	-14.00	626.48	626.65
D	99+85.92	-14.00	626.45	626.64
E	99+95.92	-14.00	626.42	626.61
F	100+05.92	-14.00	626.39	626.56
G	100+15.92	-14.00	626.36	626.49
H	100+25.92	-14.00	626.33	626.41
C Brg. N. Abut.	100+37.92	-14.00	626.29	626.29
Bk. N. Abut.	100+40.23	-14.00	626.28	626.28

Beam 2

Loction	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	99+47.65	-7.00	626.68	626.68
C Brg. S. Abut.	99+49.96	-7.00	626.68	626.68
A	99+59.96	-7.00	626.65	626.71
B	99+69.96	-7.00	626.62	626.74
C	99+79.96	-7.00	626.59	626.76
D	99+89.96	-7.00	626.56	626.75
E	99+99.96	-7.00	626.53	626.72
F	100+09.96	-7.00	626.50	626.67
G	100+19.96	-7.00	626.47	626.60
H	100+29.96	-7.00	626.44	626.52
C Brg. N. Abut.	100+41.96	-7.00	626.40	626.40
Bk. N. Abut.	100+44.27	-7.00	626.39	626.39

Beam 3 / C Roadway and Profile Grade

Loction	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	99+51.69	0.00	626.78	626.78
C Brg. S. Abut.	99+54.00	0.00	626.77	626.77
A	99+64.00	0.00	626.74	626.80
B	99+74.00	0.00	626.71	626.83
C	99+84.00	0.00	626.68	626.85
D	99+94.00	0.00	626.65	626.84
E	100+04.00	0.00	626.62	626.81
F	100+14.00	0.00	626.59	626.76
G	100+24.00	0.00	626.56	626.69
H	100+34.00	0.00	626.53	626.61
C Brg. N. Abut.	100+46.00	0.00	626.49	626.49
Bk. N. Abut.	100+48.31	0.00	626.49	626.49

Beam 4

Loction	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	99+55.73	7.00	626.66	626.66
C Brg. S. Abut.	99+58.04	7.00	626.65	626.65
A	99+68.04	7.00	626.62	626.68
B	99+78.04	7.00	626.59	626.71
C	99+88.04	7.00	626.56	626.73
D	99+98.04	7.00	626.53	626.72
E	100+08.04	7.00	626.50	626.69
F	100+18.04	7.00	626.47	626.64
G	100+28.04	7.00	626.44	626.57
H	100+38.04	7.00	626.41	626.49
C Brg. N. Abut.	100+50.04	7.00	626.38	626.38
Bk. N. Abut.	100+52.36	7.00	626.37	626.37

Beam 5

Loction	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	99+59.77	14.00	626.53	626.53
C Brg. S. Abut.	99+62.09	14.00	626.52	626.52
A	99+72.09	14.00	626.49	626.55
B	99+82.09	14.00	626.46	626.58
C	99+92.09	14.00	626.43	626.60
D	100+02.09	14.00	626.40	626.59
E	100+12.09	14.00	626.37	626.56
F	100+22.09	14.00	626.34	626.51
G	100+32.09	14.00	626.31	626.44
H	100+42.09	14.00	626.28	626.36
C Brg. N. Abut.	100+54.09	14.00	626.24	626.24
Bk. N. Abut.	100+56.40	14.00	626.24	626.24

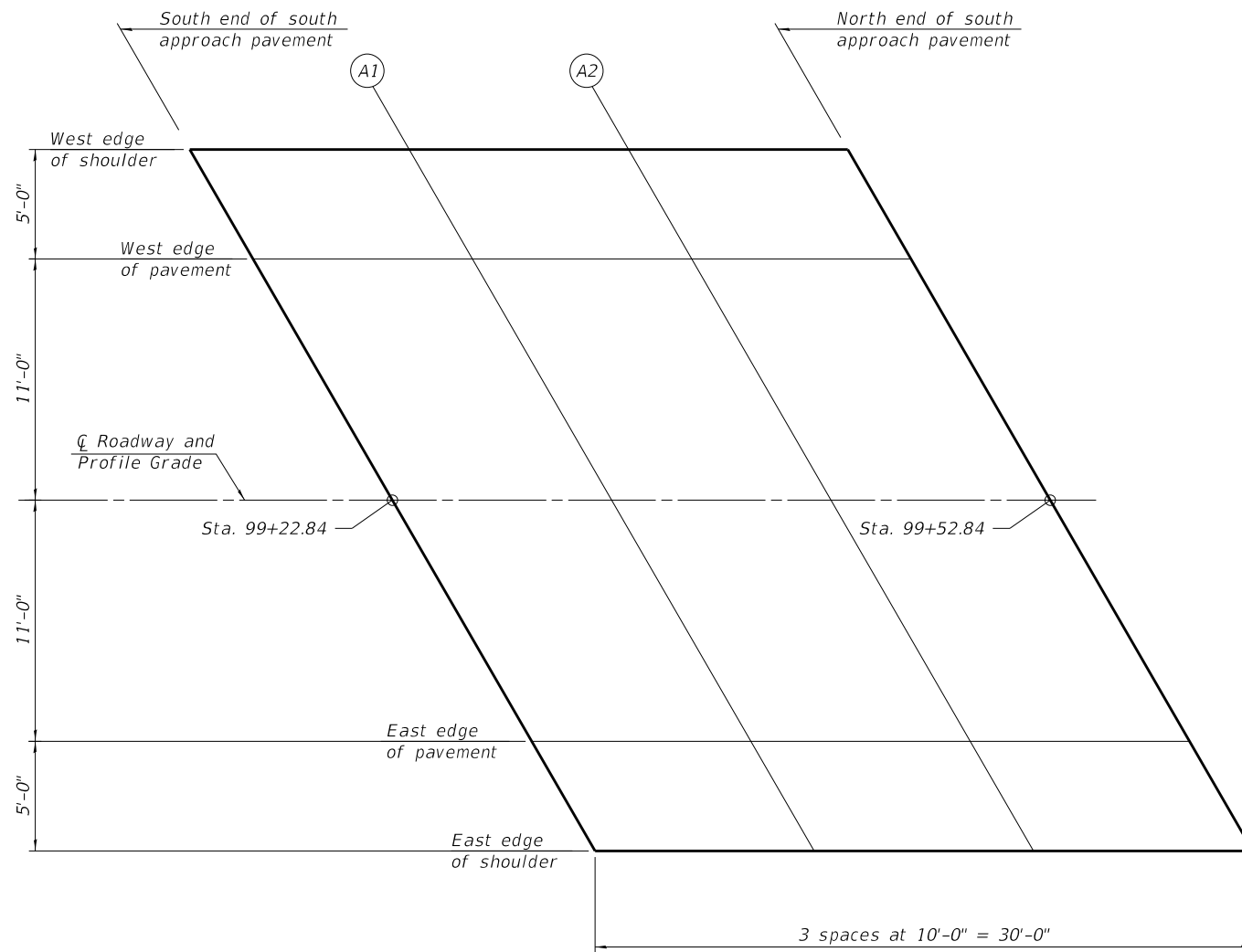
Note:

Work this sheet with sheet 3.



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FILE NAME = 0586027.dgn	CHECKED - SBC	REVISED
PLOT SCALE = 0.2" = 1' / in.	DRAWN - DLH	REVISED
PLOT DATE = 1/7/2020	CHECKED - SBC	REVISED

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	22
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				



PLAN
(South Approach)

West Edge of Shoulder

Location	Station	Offset	Theoretical Grade Elevations
S. end of S. Appr. Pvmt.	99+13.61	-16.00	626.62
A1	99+23.61	-16.00	626.59
A2	99+33.61	-16.00	626.56
N. end of S. Appr. Pvmt.	99+43.61	-16.00	626.53

West Edge of Pavement

Location	Station	Offset	Theoretical Grade Elevations
S. end of S. Appr. Pvmt.	99+16.49	-11.00	626.72
A1	99+26.49	-11.00	626.69
A2	99+36.49	-11.00	626.66
N. end of S. Appr. Pvmt.	99+46.49	-11.00	626.63

CL Roadway and Profile Grade

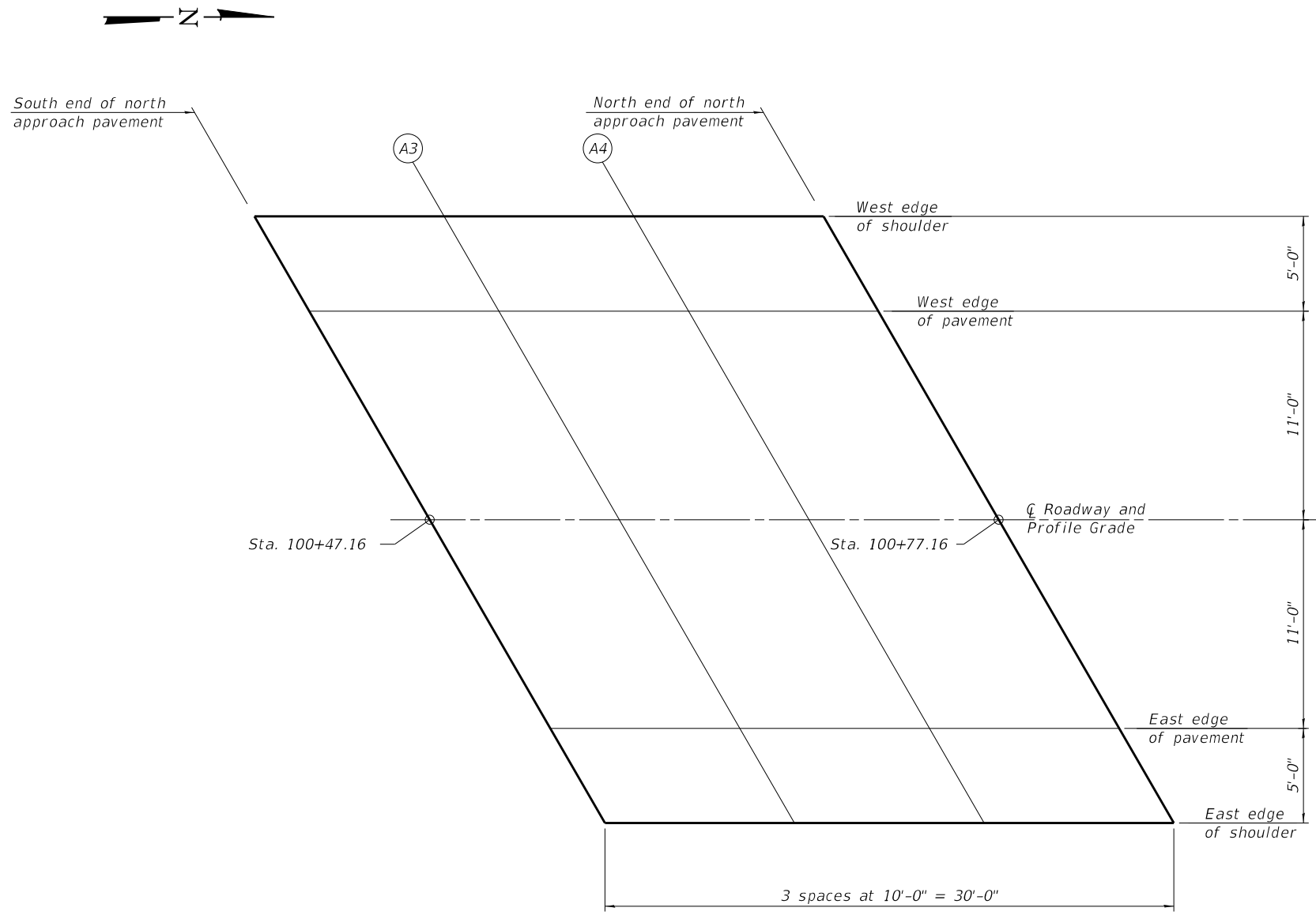
Location	Station	Offset	Theoretical Grade Elevations
S. end of S. Appr. Pvmt.	99+22.84	0.00	626.86
A1	99+32.84	0.00	626.83
A2	99+42.84	0.00	626.80
N. end of S. Appr. Pvmt.	99+52.84	0.00	626.77

East Edge of Pavement

Location	Station	Offset	Theoretical Grade Elevations
S. end of S. Appr. Pvmt.	99+29.20	11.00	626.68
A1	99+39.20	11.00	626.65
A2	99+49.20	11.00	626.62
N. end of S. Appr. Pvmt.	99+59.20	11.00	626.59

East Edge of Shoulder

Location	Station	Offset	Theoretical Grade Elevations
S. end of S. Appr. Pvmt.	99+32.08	16.00	626.57
A1	99+42.08	16.00	626.54
A2	99+52.08	16.00	626.51
N. end of S. Appr. Pvmt.	99+62.08	16.00	626.48



PLAN
(North Approach)

West Edge of Shoulder

Location	Station	Offset	Theoretical Grade Elevations
S. end of N. Appr. Pvmt.	100+37.92	-16.00	626.25
A3	100+47.92	-16.00	626.22
A4	100+57.92	-16.00	626.19
N. end of N. Appr. Pvmt.	100+67.92	-16.00	626.16

West Edge of Pavement

Location	Station	Offset	Theoretical Grade Elevations
S. end of N. Appr. Pvmt.	100+40.81	-11.00	626.34
A3	100+50.81	-11.00	626.31
A4	100+60.81	-11.00	626.28
N. end of N. Appr. Pvmt.	100+70.81	-11.00	626.25

CL Roadway and Profile Grade

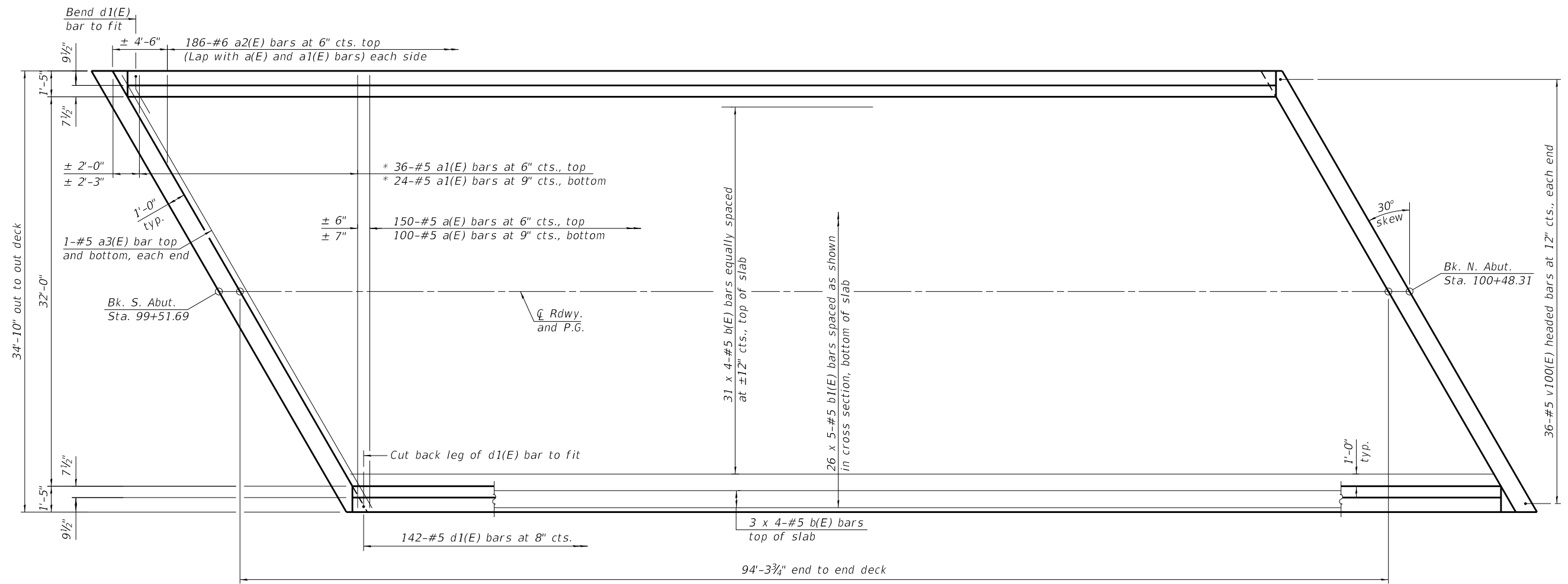
Location	Station	Offset	Theoretical Grade Elevations
S. end of N. Appr. Pvmt.	100+47.16	0.00	626.49
A3	100+57.16	0.00	626.46
A4	100+67.16	0.00	626.43
N. end of N. Appr. Pvmt.	100+77.16	0.00	626.40

East Edge of Pavement

Location	Station	Offset	Theoretical Grade Elevations
S. end of N. Appr. Pvmt.	100+53.51	11.00	626.30
A3	100+63.51	11.00	626.27
A4	100+73.51	11.00	626.24
N. end of N. Appr. Pvmt.	100+83.51	11.00	626.22

East Edge of Shoulder

Location	Station	Offset	Theoretical Grade Elevations
S. end of N. Appr. Pvmt.	100+56.40	16.00	626.20
A3	100+66.40	16.00	626.17
A4	100+76.40	16.00	626.14
N. end of N. Appr. Pvmt.	100+86.40	16.00	626.11



PLAN

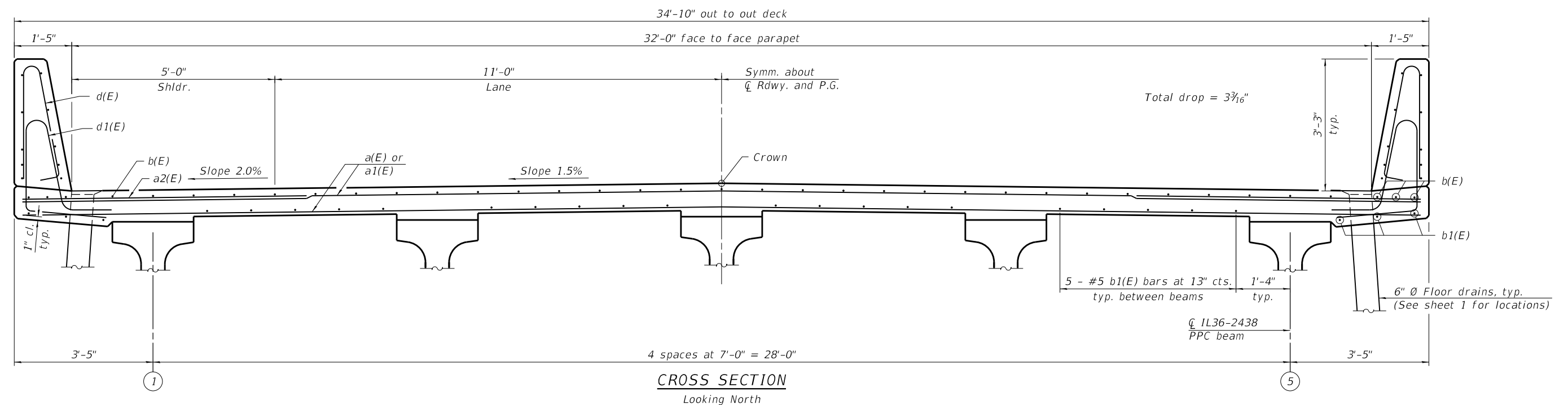
Notes:

1. See sheet 8 for superstructure details and Bill of Material.
2. See sheet 9 for diaphragm details.
3. Bars indicated thus 26 x 5-#5 etc. indicates 26 lines of bars with 5 lengths per line.

MINIMUM BAR LAP

#5 bar = 3'-6"

* See field cutting diagram on sheet 8.

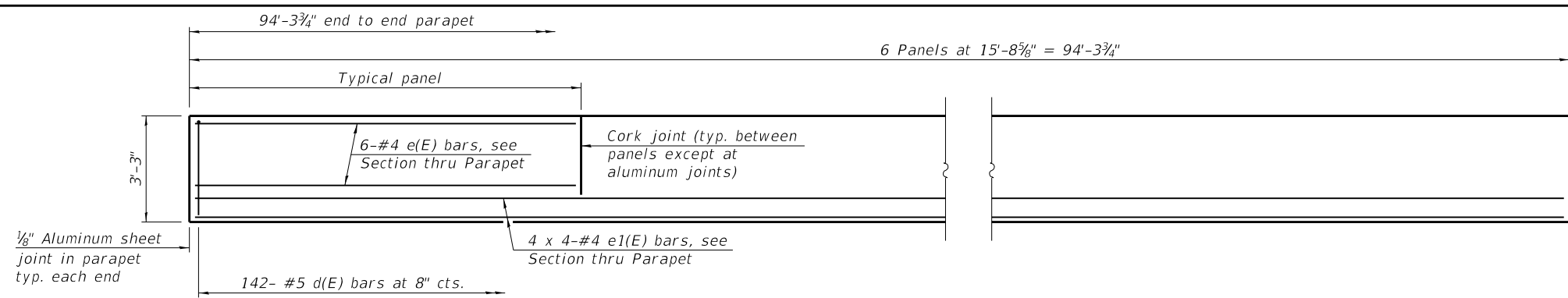


CROSS SECTION
Looking North

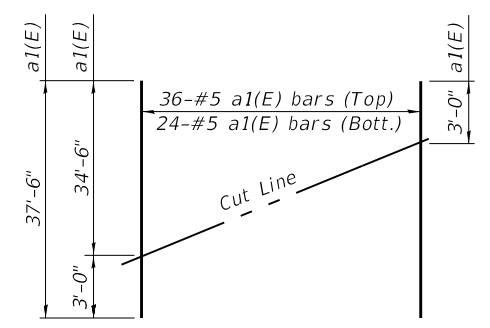
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PLOT DATE = 1/7/2020	CHECKED - SBC	REVISED

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	25
CONTRACT NO. 95870				

LAST SAVED DATE: STASTS/SAVED/DATE



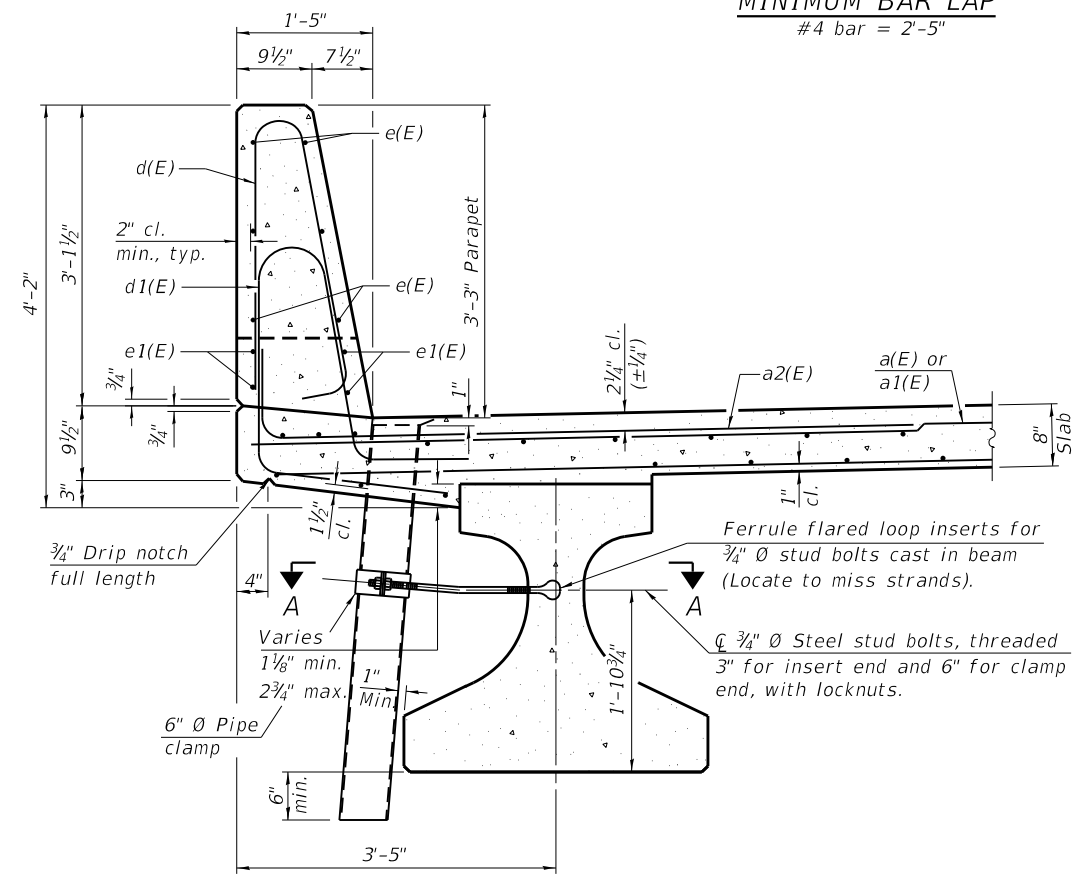
INSIDE ELEVATION OF PARAPET



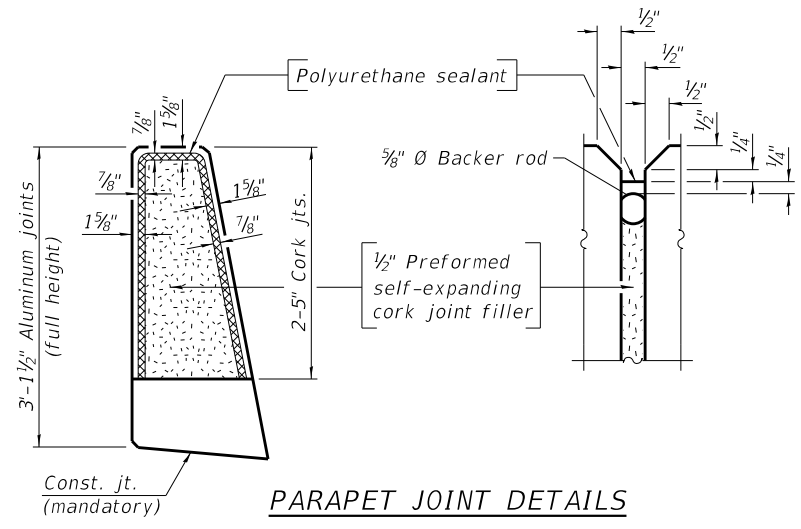
FIELD CUTTING DIAGRAM

Order a1(E) bars full length. Cut as shown and use remainder of bars in opposite end of deck.

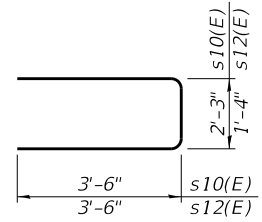
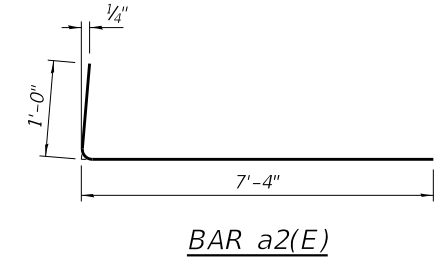
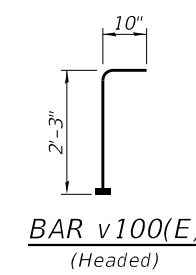
MINIMUM BAR LAP
#4 bar = 2'-5"



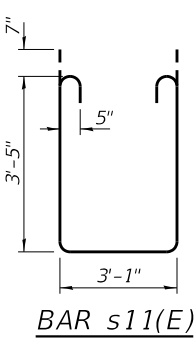
SECTION THRU PARAPET
(See sheet 1 for floor drain locations.)



PARAPET JOINT DETAILS



BARS s10(E) & s12(E)



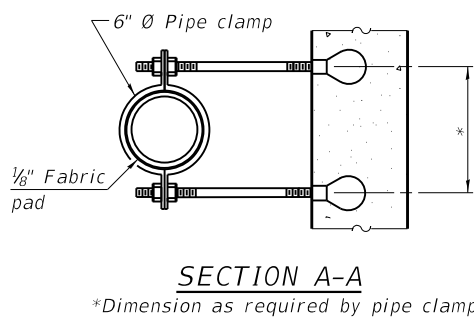
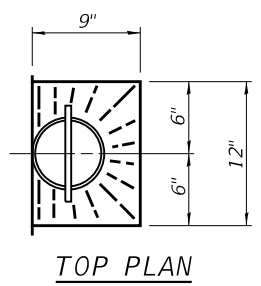
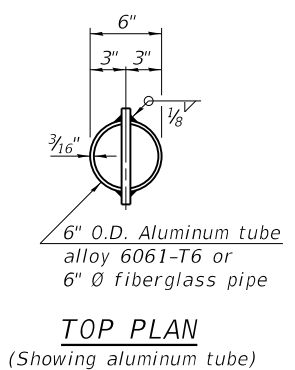
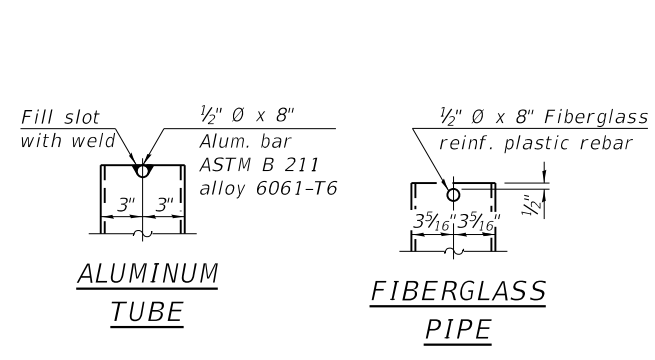
BAR s11(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	250	#5	34'-6"	—
a1(E)	60	#5	37'-6"	—
a2(E)	372	#6	8'-4"	└
a3(E)	4	#5	39'-11"	—
b(E)	148	#5	26'-2"	—
b1(E)	130	#5	21'-8"	—
d(E)	284	#5	6'-5"	└
d1(E)	284	#5	8'-2"	└
e(E)	72	#4	15'-4"	—
e1(E)	32	#4	25'-5"	—
m10(E)	8	#6	39'-11"	—
m11(E)	16	#6	6'-9"	—
m12(E)	8	#6	3'-1"	—
m13(E)	8	#6	4'-1"	—
m14(E)	4	#6	1'-9"	—
m15(E)	20	#5	4'-0"	—
s10(E)	52	#5	9'-3"	└
s11(E)	52	#5	11'-1"	└
s12(E)	40	#5	8'-4"	└
v100(E)	72	#5	3'-1"	└
Concrete Superstructure		Cu. Yd.	146.3	
Reinforcement Bars, Epoxy Coated		Pound	31,250	
Bridge Deck Grooving		Sq. Yd.	314	
Protective Coat		Sq. Yd.	421	

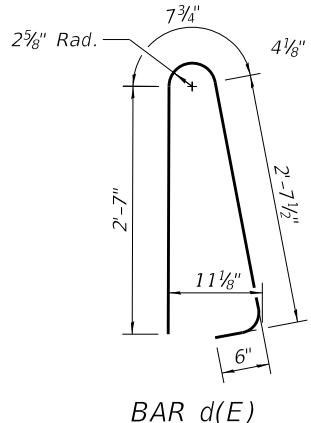
Notes:

- Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
- The exterior surfaces of the fiberglass floor drains shall be pigmented by the manufacturer with a color that matches the concrete.
- The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.
- The clamping device and inserts shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.
- The 1/8" Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
- The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
- Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
- See sheet 13 for Concrete Parapet Slipforming Option details

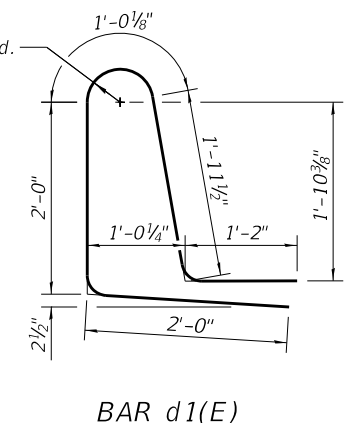


SECTION A-A

*Dimension as required by pipe clamp



BAR d(E)



BAR d1(E)

SDI-IL36N-1 6-15-2019



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FILE NAME = 0586027.dgn	CHECKED = SBC	REVISED
PLOT SCALE = 0.2" = 1' / in.	DRAWN = DLH	REVISED
PLOT DATE = 1/7/2020	CHECKED = SBC	REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

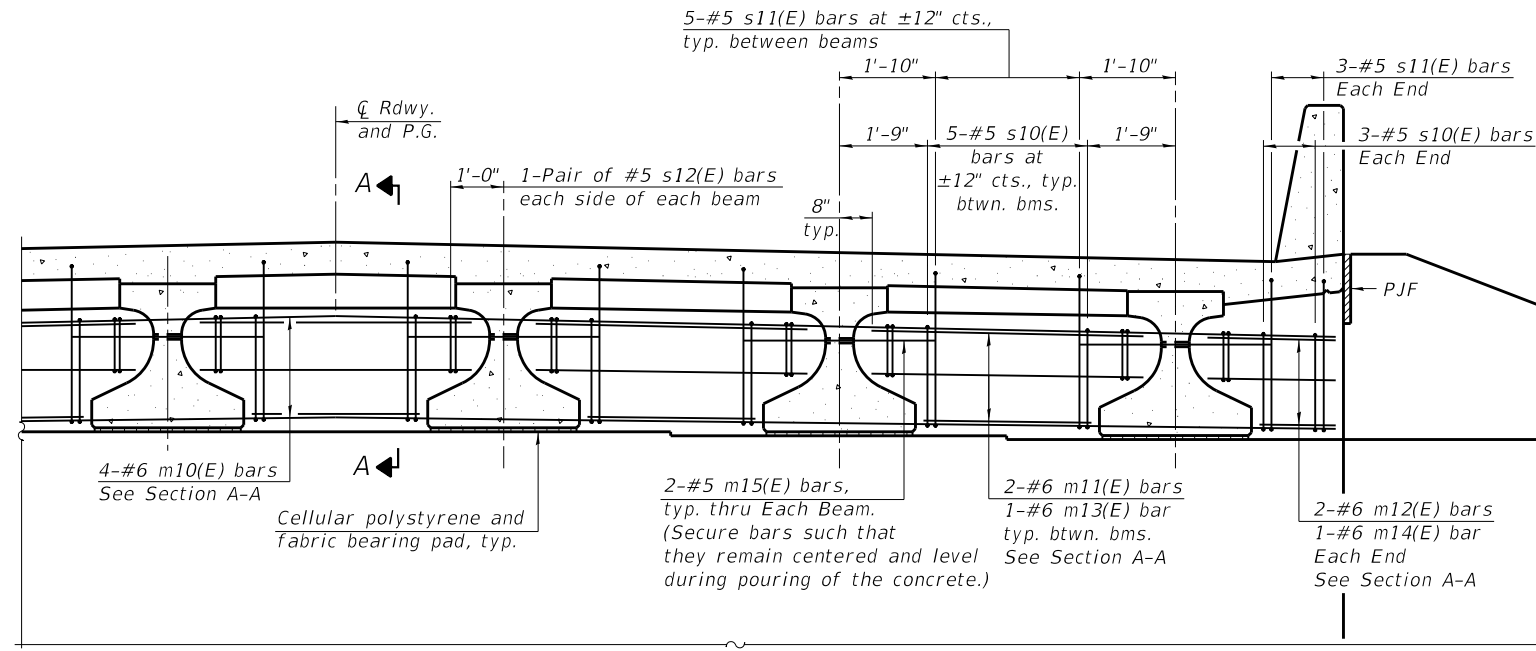
SUPERSTRUCTURE DETAILS STRUCTURE NO. 058-6027

SHEET NO. 8 OF 20 SHEETS

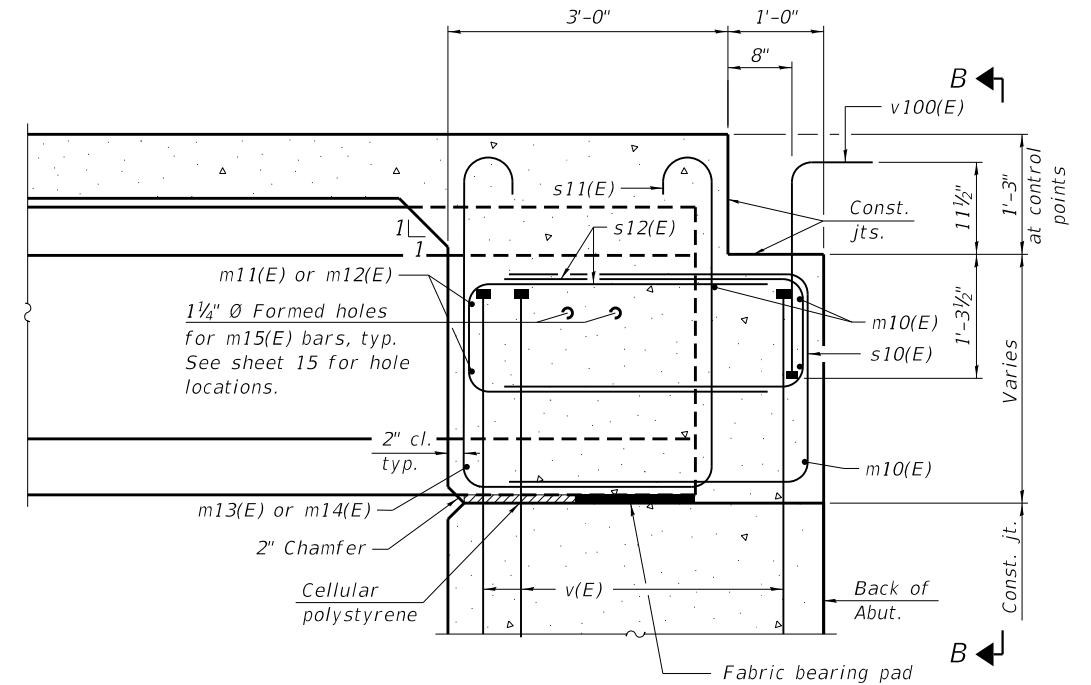
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	26
				CONTRACT NO. 95870

ILLINOIS FED. AID PROJECT

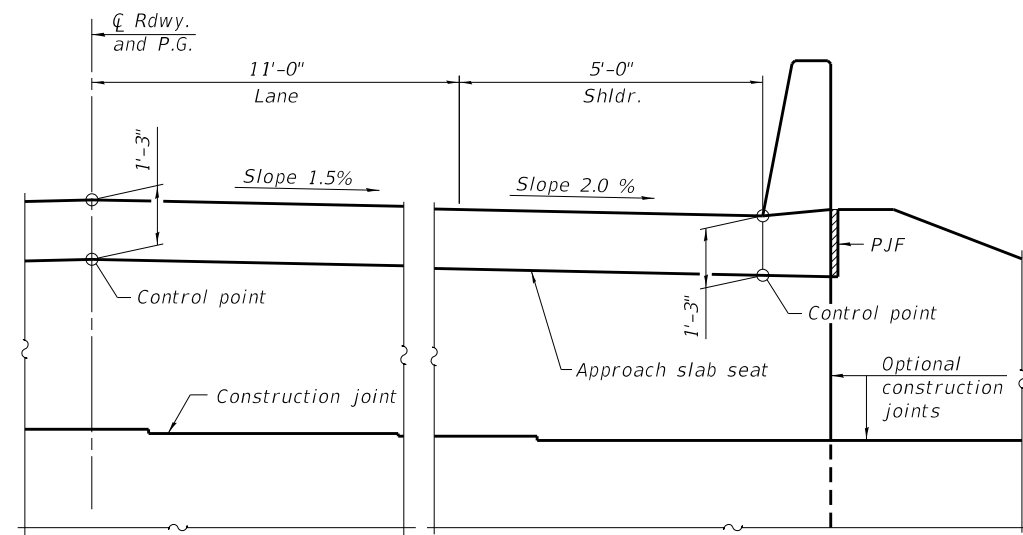
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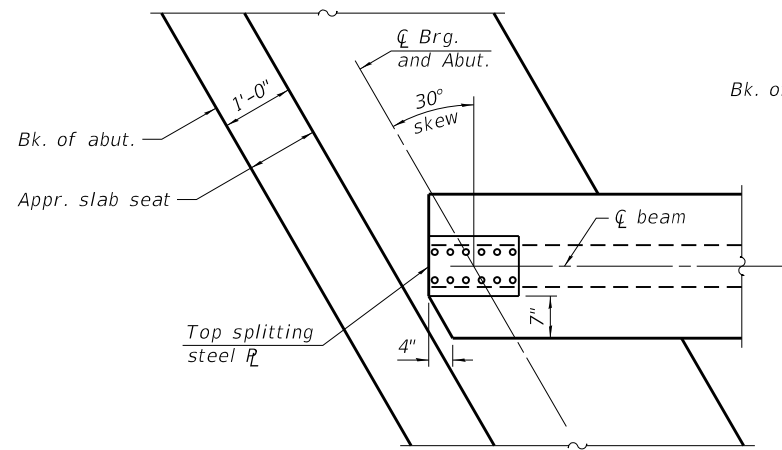
DIAPHRAGM AT ABUTMENT



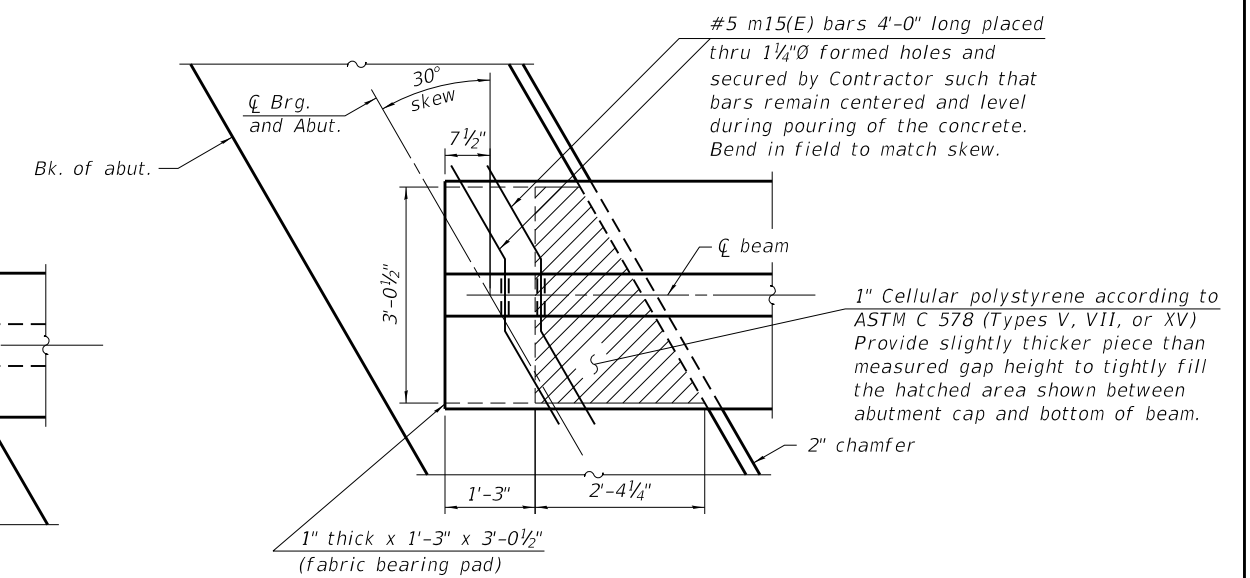
SECTION A-A
(at Rt. L's)



VIEW B-B



TOP FLANGE PLAN - CLIPPED
(Showing top flange of PCC IL-beam.)



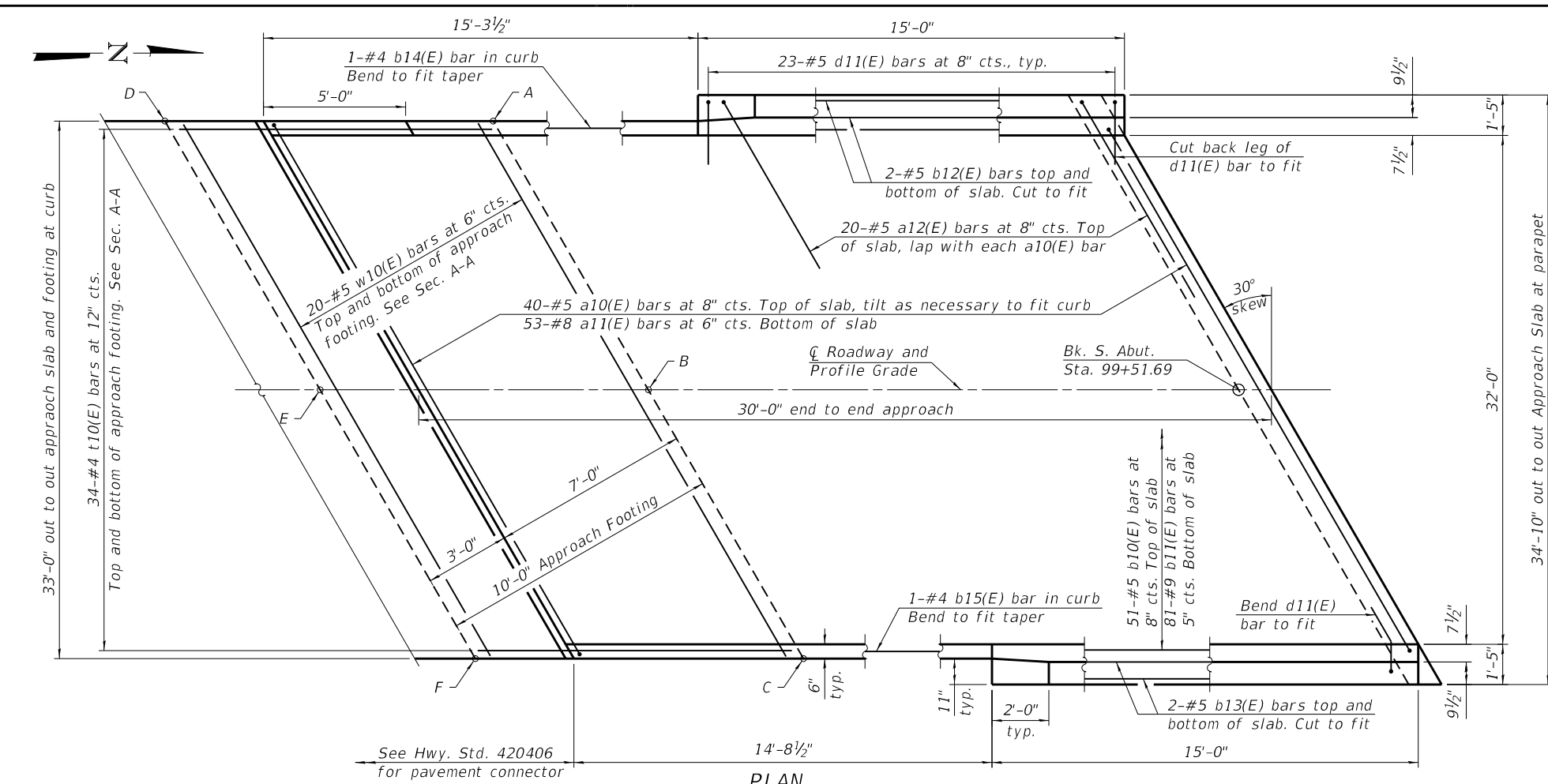
PLAN AT ABUTMENT
(Showing bottom flange of PCC IL-beam.)

Notes:

1. See sheet 8 for superstructure details and Bill of Material.
2. See sheets 10 and 11 for P.J.F. details.
3. The s10(E), s11(E) and s12(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
4. The approach slab seat shall have a constant slope determined from the control points shown.
5. Cost of cellular polystyrene is included with Concrete Superstructure.

LAST SAVED DATE: SLASTSAVED.DATES

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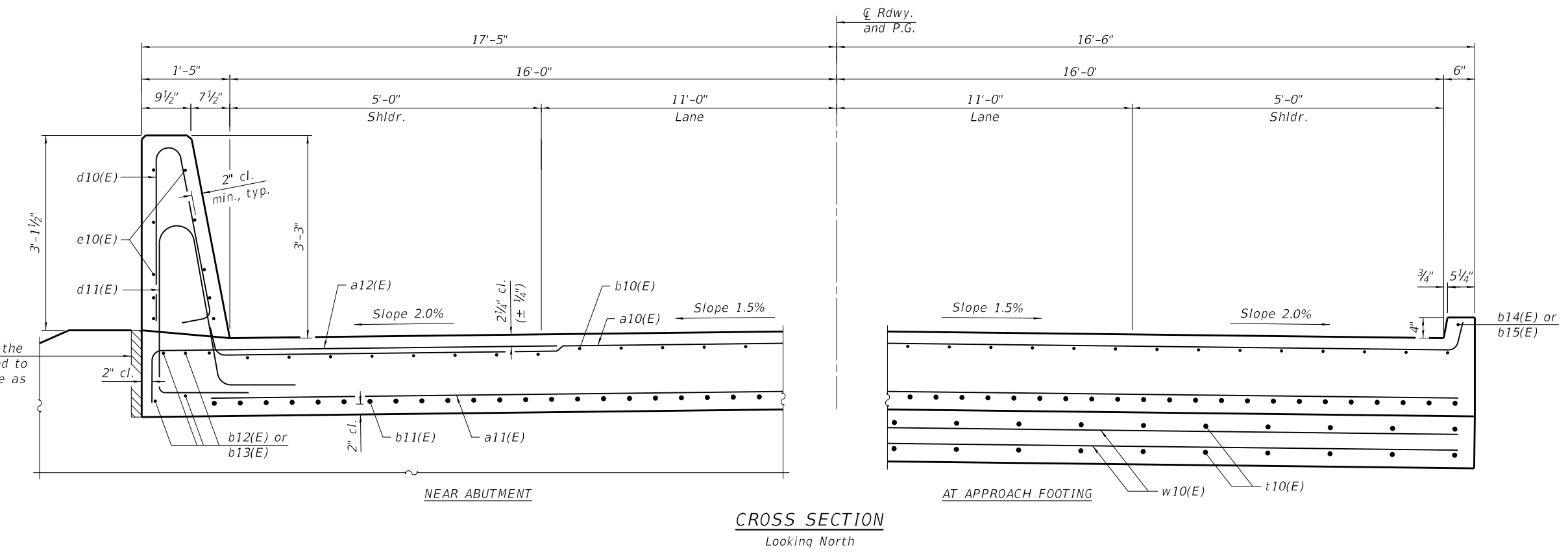


**TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING**

South Approach		
Point	Top	Bottom
A	625.35	624.52
B	625.59	624.76
C	625.30	624.47
D	625.39	624.56
E	625.62	624.79
F	625.33	624.50

See Hwy. Std. 420406
for pavement connector

PLAN



CROSS SECTION
Looking North



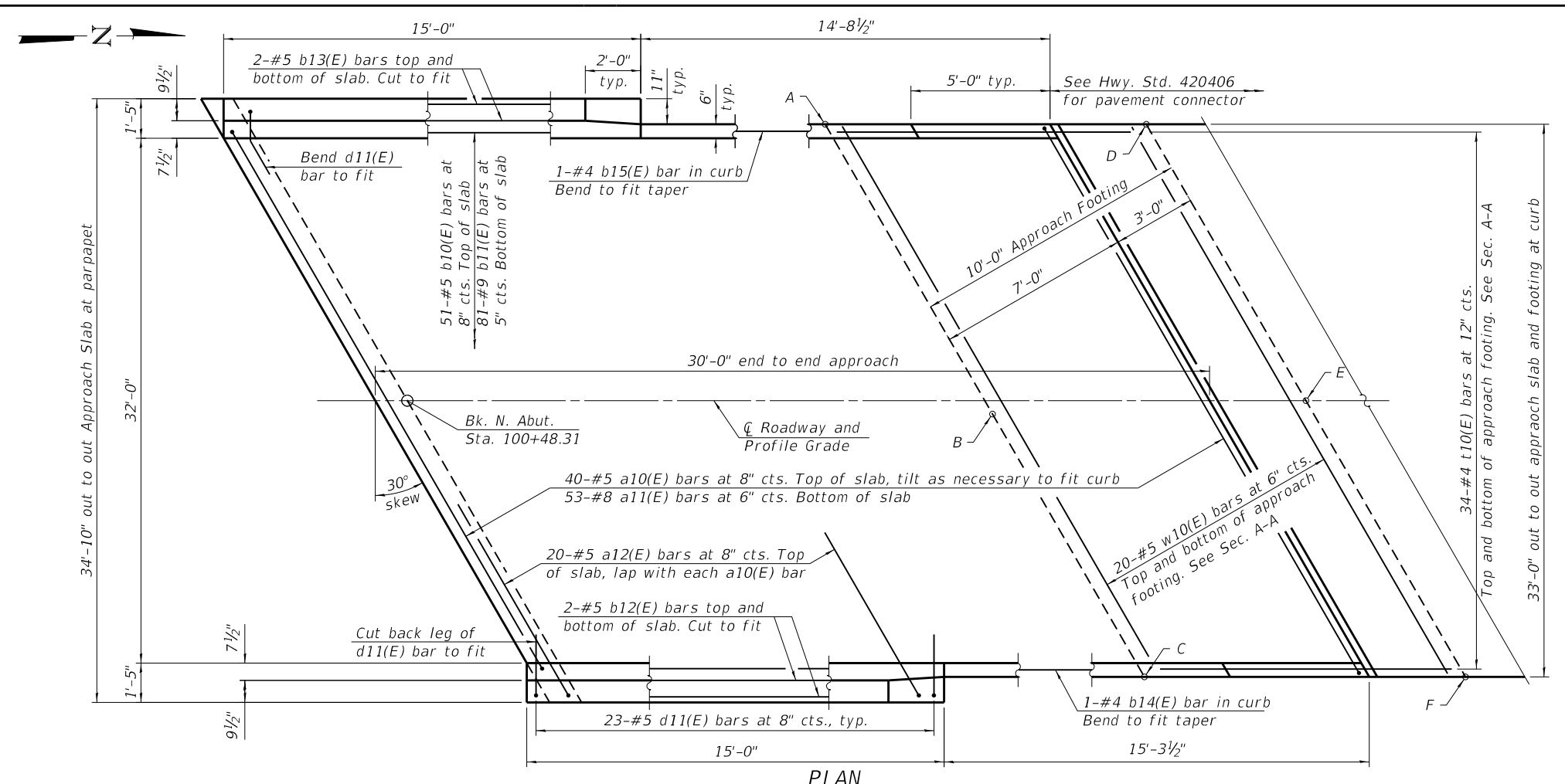
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PLOT DATE = 1/7/2020	CHECKED - SBC	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH APPROACH SLAB
STRUCTURE NO. 058-6027**
SHEET NO. 10 OF 20 SHEETS

F.A.U. RT.E. 7426	SECTION 18-00805-00-BR	COUNTY MACON	TOTAL SHEETS 50	SHEET NO. 28
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				

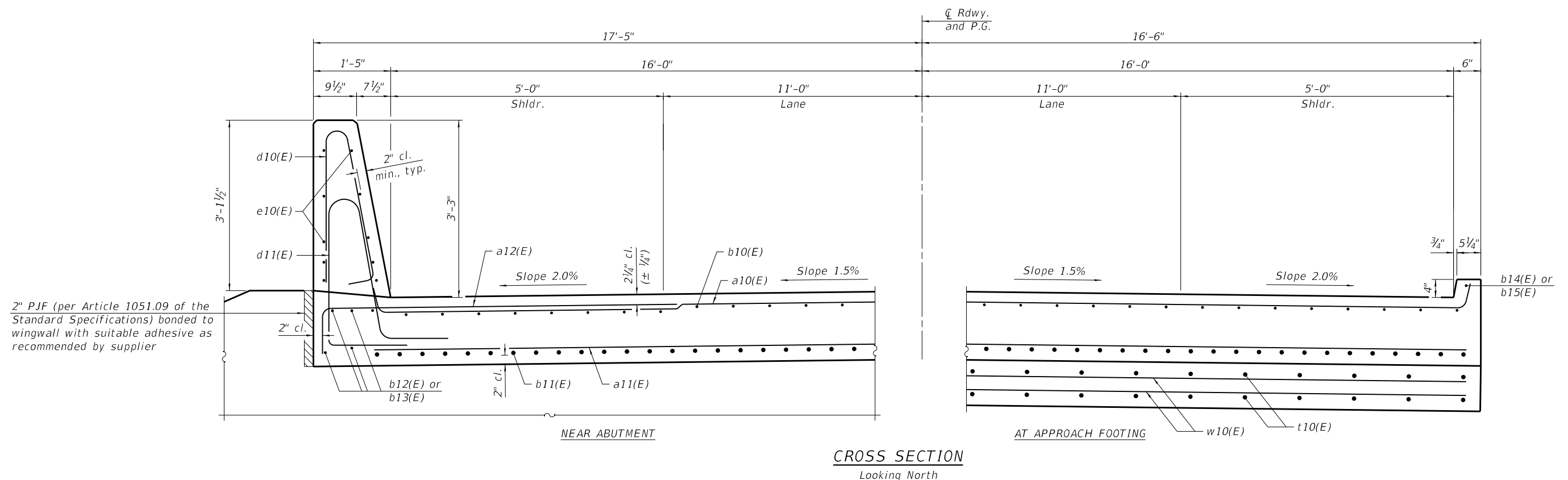
LAST SAVED DATE: SLASTSAVED.DATES



TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

North Approach		
Point	Top	Bottom
A	624.93	624.10
B	625.17	624.34
C	624.88	624.05
D	624.90	624.07
E	625.13	624.30
F	624.84	624.01

PLAN



CROSS SECTION
Looking North

Design firm
no. 184001036



USER NAME = dheberling	DESIGNED - SBC	REVISED
FILE NAME = 0586027.dgn	CHECKED - CWC	REVISED
PLOT SCALE = 0.2" = 1' / in.	DRAWN - DLH	REVISED
PLOT DATE = 1/7/2020	CHECKED - SBC	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

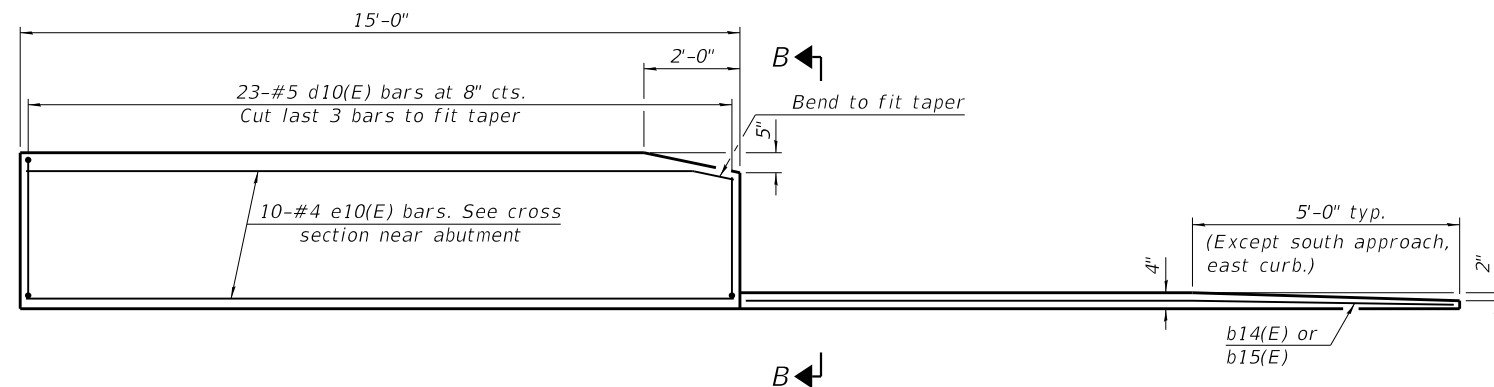
NORTH APPROACH SLAB
STRUCTURE NO. 058-6027

SHEET NO. 11 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	29
CONTRACT NO. 95870				

ILLINOIS FED. AID PROJECT

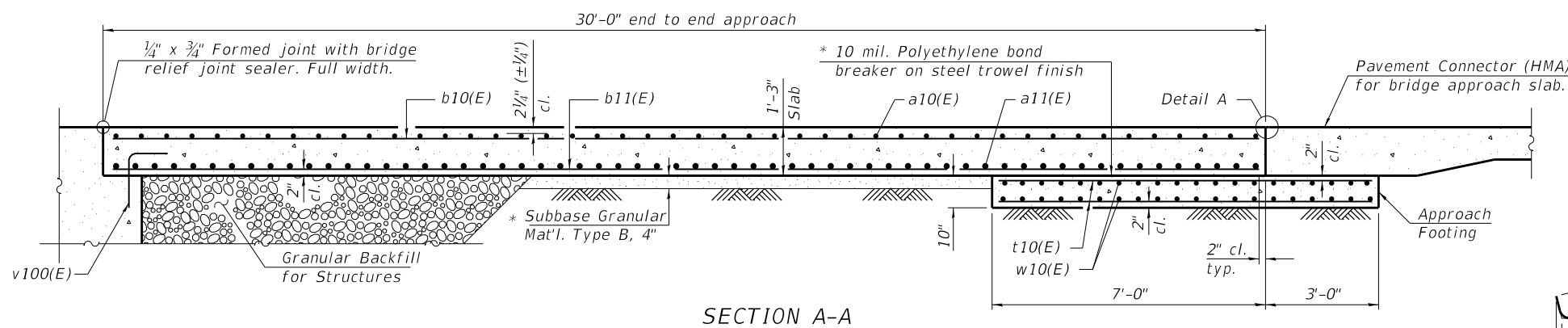
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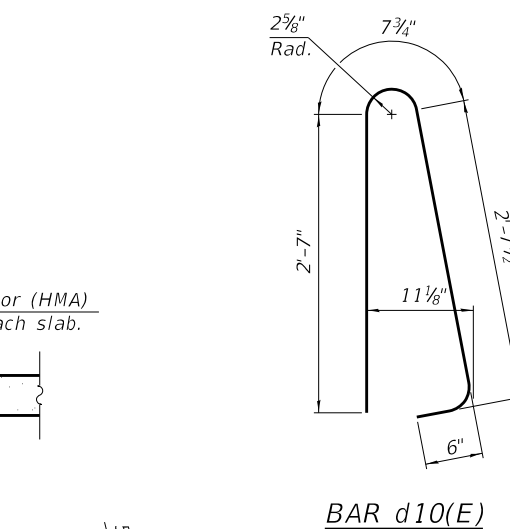
INSIDE ELEVATION OF PARAPET AND CURB

Notes:

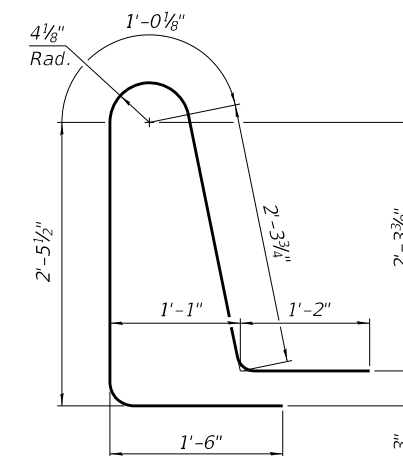
1. The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
2. Parapet concrete shall be paid for as Concrete Superstructure.
3. Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
4. Approach footing concrete shall be paid for as Concrete Structures.
5. The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
6. Cost of excavation for approach footing included with Concrete Structures.
7. For Granular Backfill for Structures and drainage treatment details, see sheet 2.
8. For Type 6 terminal connections see Highway Standard 631031.
9. See Highway Standard 420406 for Detail A.



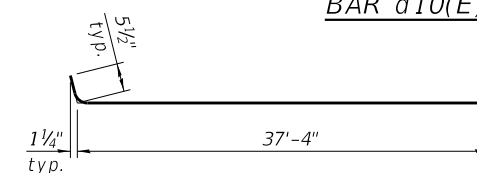
SECTION A-A



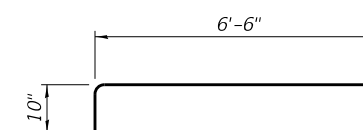
BAR d10(E)



BAR d11(E)



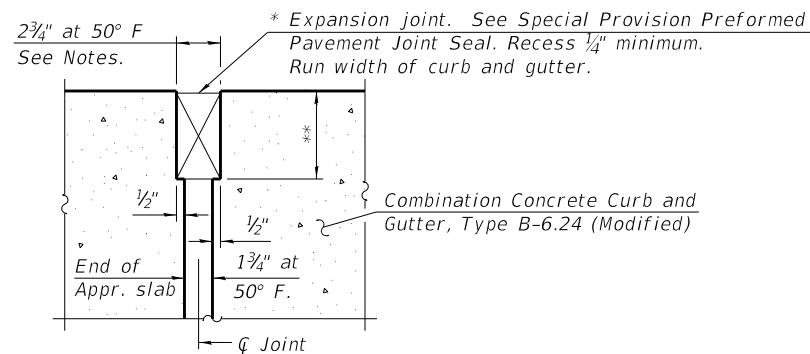
BAR a10(E)



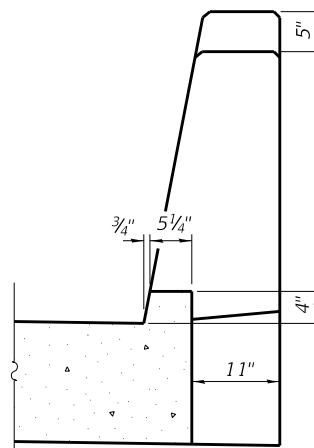
BAR a12(E)

TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	80	#5	38'-3"	—
a11(E)	106	#8	37'-9"	—
a12(E)	80	#5	7'-4"	—
b10(E)	102	#5	29'-8"	—
b11(E)	162	#9	29'-8"	—
b12(E)	8	#5	13'-10"	—
b13(E)	8	#5	15'-5"	—
b14(E)	2	#4	14'-11"	—
b15(E)	2	#4	14'-4"	—
d10(E)	92	#5	6'-5"	U
d11(E)	92	#5	8'-6"	U
e10(E)	40	#4	14'-8"	—
t10(E)	136	#4	11'-2"	—
w10(E)	80	#5	37'-9"	—
Concrete Superstructure		Cu. Yd.	7.8	
Concrete Superstructure (Approach Slab)		Cu. Yd.	94.7	
Concrete Structures		Cu. Yd.	23.5	
Bridge Deck Grooving		Sq. Yd.	199	
Protective Coat		Sq. Yd.	246	
Reinforcement Bars, Epoxy Coated		Pound	40,270	



JOINT AT CURB AND GUTTER
(South approach, east curb only.)

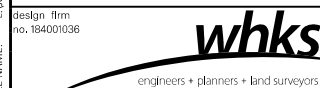


VIEW B-B

* Cost included with Concrete Superstructure Approach Slab.
** Per manufacturer recommendations

FILE NAME: L:\Jobs\Decatur\9577 Taylor Road and Main Street\CADD\CAD_Sheets\0586027.dgn

BAIA-CIP-39CS-R(≤30°) 6-15-2019



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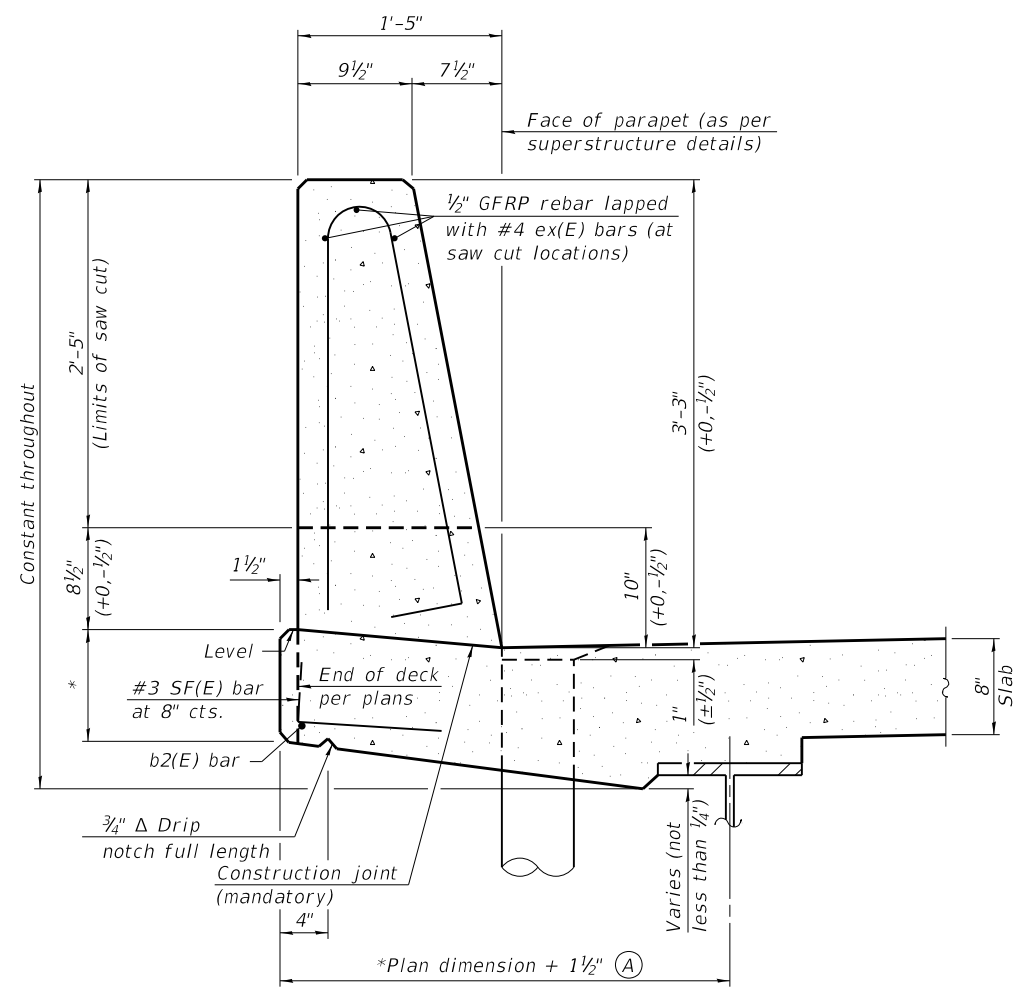
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH SLAB DETAILS
STRUCTURE NO. 058-6027

SHEET NO. 12 OF 20 SHEETS

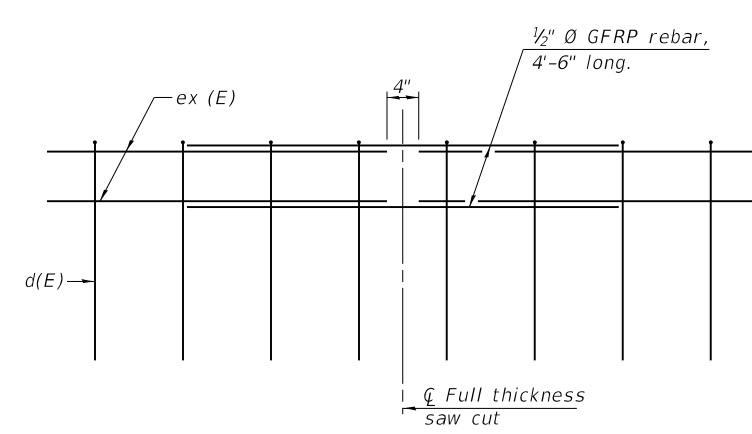
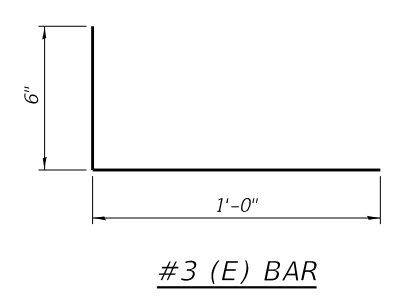
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	30
CONTRACT NO. 95870				

ILLINOIS FED. AID PROJECT



39" CONSTANT-SLOPE PARAPET SECTION
(Showing dimensions, d(E), and 1/2" Ø GFRP rebar)

* See Superstructure Details.



GFRP REBAR STIFFENING DETAIL
(Place as shown in parapet section at each parapet joint location.)

GENERAL NOTES

1. All dimensions shall remain the same as shown on superstructure details, except dimension A which is to be revised as shown. Additional concrete needed to revise dimension A = 0.00348 cu. yds./ft. for 39" parapets.
2. Place full depth aluminum sheets as shown on superstructure details.
3. Replace all cork joint filler locations with a full thickness saw cut.
4. Steel superstructure shown. Other superstructure types similar.

SFP 39-44

1-14-2019



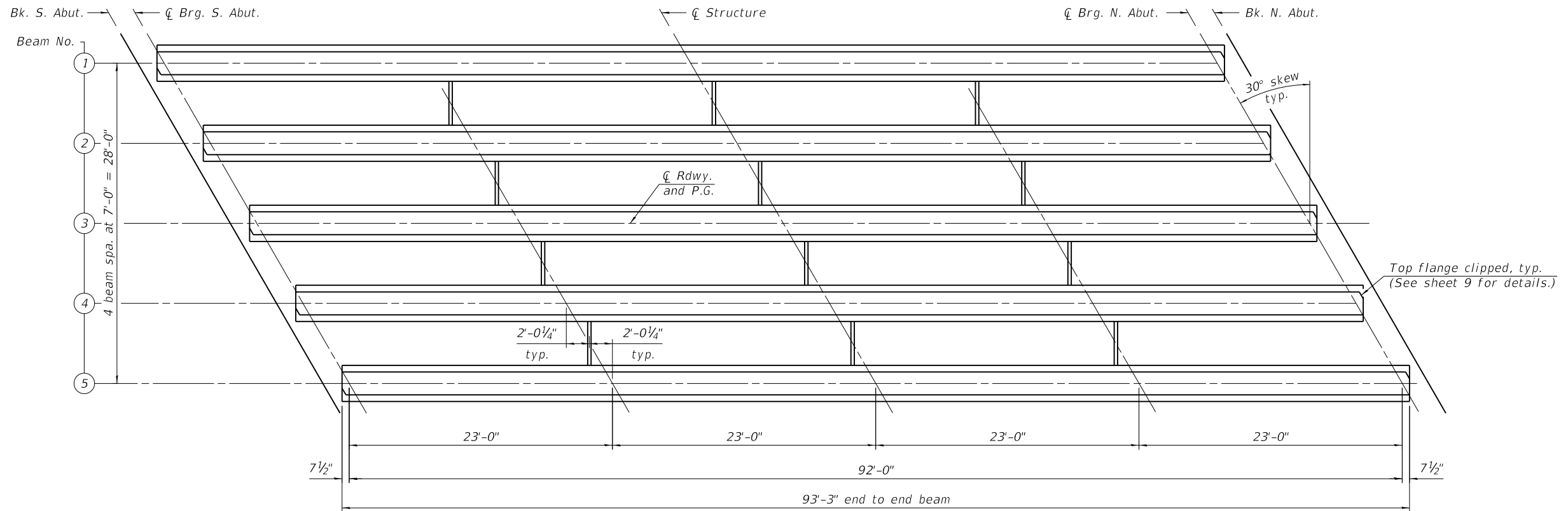
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PLOT SCALE = 0.2' = 1" / in.	DRAWN - DLH	REVISED
PLOT DATE = 1/7/2020	CHECKED - SBC	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONCRETE PARAPET SLIPFORMING OPTION
STRUCTURE NO. 058-6027**

SHEET NO. 13 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 95870				
<small>ILLINOIS FED. AID PROJECT</small>				

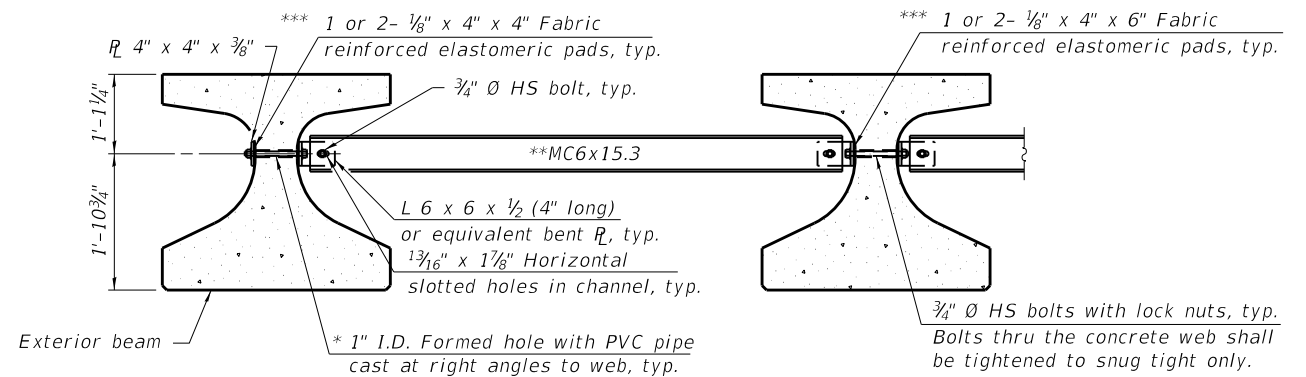


PLAN

BEAM MOMENT TABLE

		0.5 Span	
		Exterior	Interior
I	(in ⁴)	100433	100433
I'	(in ⁴)	282317	283561
S_b	(in ³)	6832	6832
S_b'	(in ³)	11551	11569
S_t	(in ³)	4715	4715
S_t'	(in ³)	14433	14549
DC1	(k/ft)	1.503	1.513
M_{DC1}	(k)	1590.2	1600.7
DC2	(k/ft)	0.210	0.210
M_{DC2}	(k)	222.2	222.2
DW	(k/ft)	0.320	0.320
M_{DW}	(k)	338.6	338.6
LLDF		0.686	0.592
$M_L + IM$	(k)	1720.6	1482.1

I : Non-composite moment of inertia of beam section (in⁴).
 I' : Composite moment of inertia of beam section (in⁴).
 S_b : Non-composite section modulus for the bottom fiber of the prestressed beam (in³).
 S_b' : Composite section modulus for the bottom fiber of the prestressed beam (in³).
 S_t : Non-composite section modulus for the top fiber of the prestressed beam (in³).
 S_t' : Composite section modulus for the top fiber of the prestressed beam (in³).
 DC1: Un-factored non-composite dead load (kips/ft.).
 M_{DC1} : Un-factored moment due to non-composite dead load (kip-ft.).
 DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
 M_{DC2} : Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
 DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
 M_{DW} : Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
 $M_L + IM$: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).



PERMANENT BRACING DETAILS

Notes:

- All material for bracing shall be hot dip galvanized according to AASHTO M111 unless otherwise noted.
- Two hardened washers are required for each set of oversized holes.
- All holes shall be 1 3/16" Ø unless otherwise noted.
- 3/16" x 3" x 3" plate washers are required over all slotted holes.
- All bolts shall be galvanized according to AASHTO M232.
- Bracing shall be installed as beams are erected and tightened as soon as possible during erection.
- Permanent bracing shall not be paid for separately, but shall be included in the cost of Furnishing and Erecting Precast Prestressed Concrete Beams, IL36N.

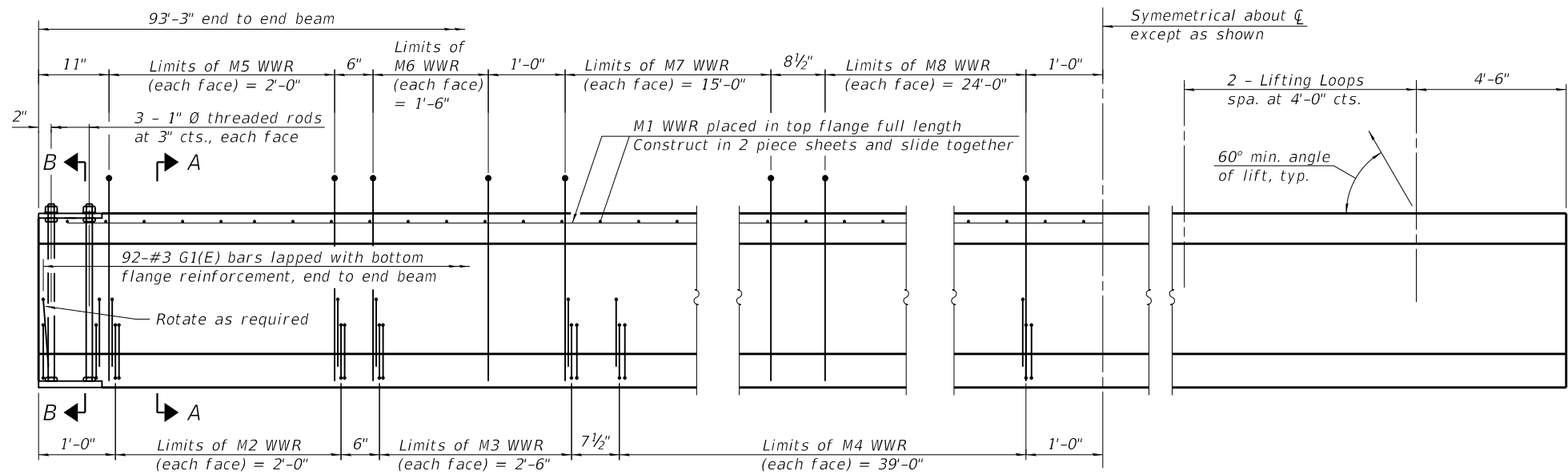
- * Fabricator shall locate to miss strands within permissible tolerances.
- ** Alternate MC6x18 channels are permitted to facilitate material acquisition.
- *** Place pads as necessary to provide a flat mounting surface between the steel and concrete.

BEAM REACTION TABLE

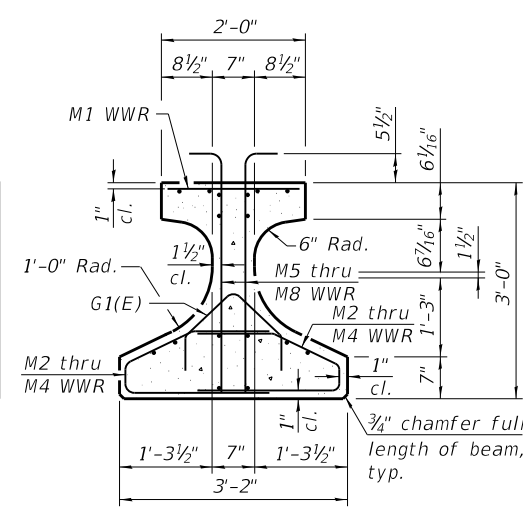
		Abut.	
		Exterior	Interior
LLDF		0.686	0.743
OCF		1.103	-
# R_{DC1}	(k)	82.0	82.5
R_{DC2}	(k)	9.7	9.7
R_{DW}	(k)	14.7	14.7
R_{LL}	(k)	71.2	69.9
R_{IM}	(k)	16.2	15.9
R_{total}	(k)	193.8	192.7

Dead load reaction includes weight of integral abutment diaphragms.

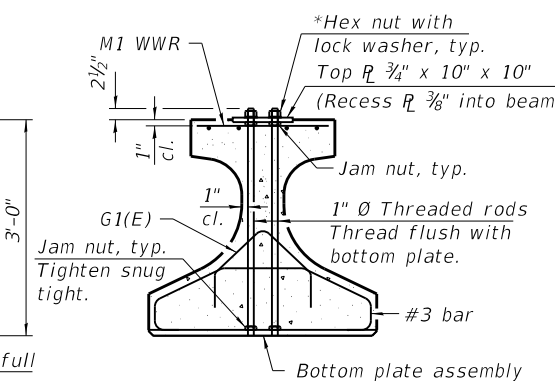
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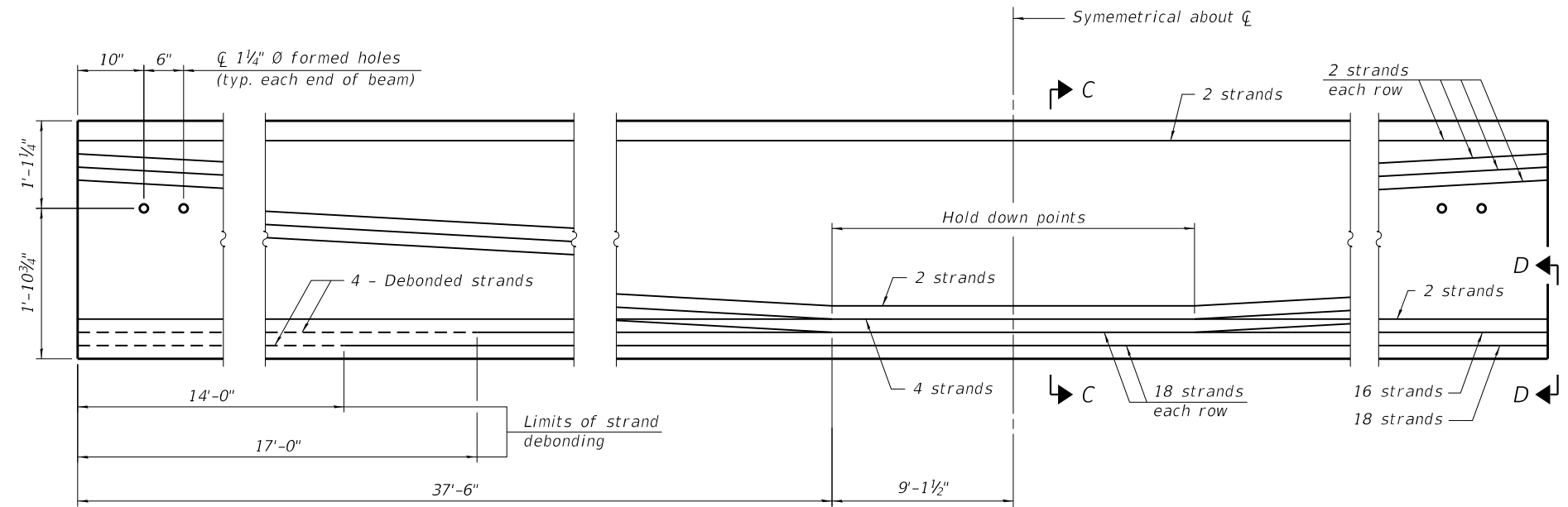
ELEVATION OF BEAM
(Showing reinforcement and dimensions)



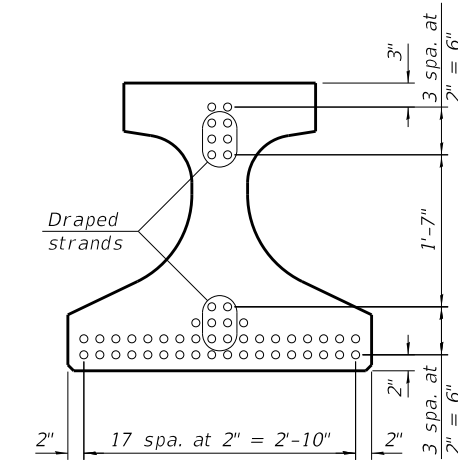
SECTION A-A



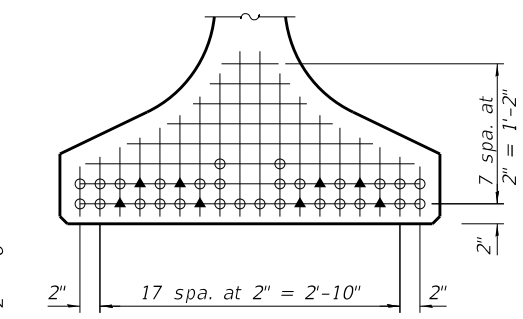
SECTION B-B
* Only tighten sufficiently to compress lock washers



ELEVATION OF BEAM
(Showing prestressing steel)



SECTION C-C
(44 - 0.6 Ø 270 ksi strands)



VIEW D-D
○ Fully bonded strand
▲ Partially debonded strand

- Note:
1. See sheet 14 for locations of permanent bracing and placement of formed holes in beam web.
 2. See sheet 16 for additional details and Bill of Material.
 3. Top flange clipped, see sheet 9 for details.

IL36-2438 2-25-2019



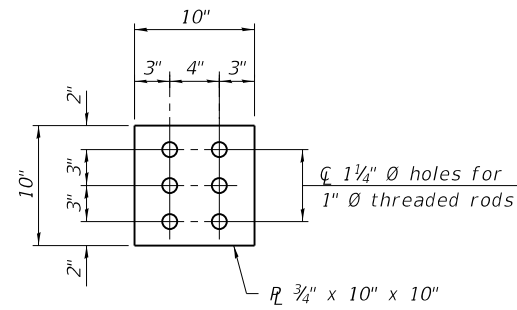
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FILE NAME = 0586027.dgn	CHECKED - CWC	REVISED
PLOT SCALE = 0.2" = 1' / in.	DRAWN - DLH	REVISED
PLOT DATE = 1/7/2020	CHECKED - SBC	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

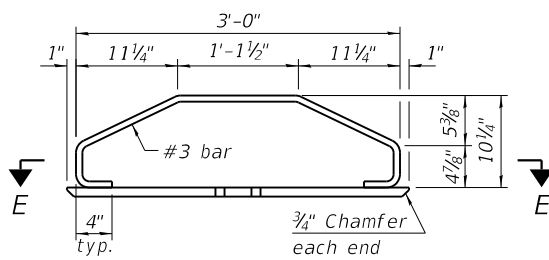
IL36-2438 BEAMS
STRUCTURE NO. 058-6027
SHEET NO. 15 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	33
CONTRACT NO. 95870				

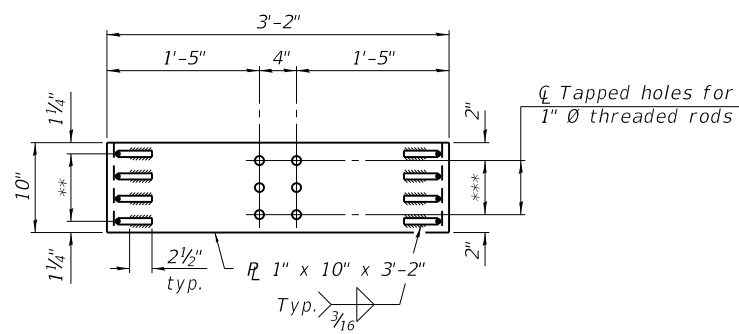
ILLINOIS FED. AID PROJECT



PLAN - TOP PLATE



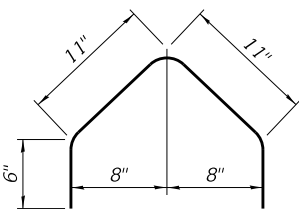
ELEVATION - BOTTOM PLATE ASSEMBLY



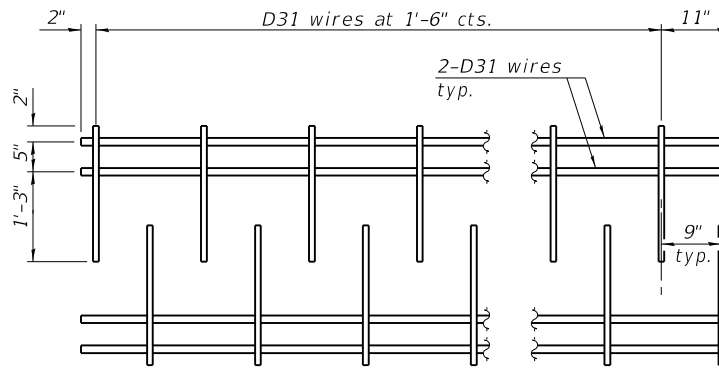
SECTION E-E

** 3 Spaces at 2 1/2" = 7 1/2"

*** 2 Spaces at 3" = 6"

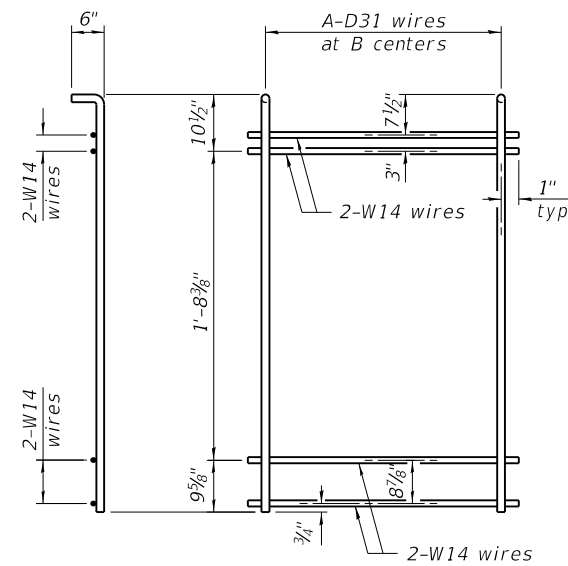


BAR G1(E)



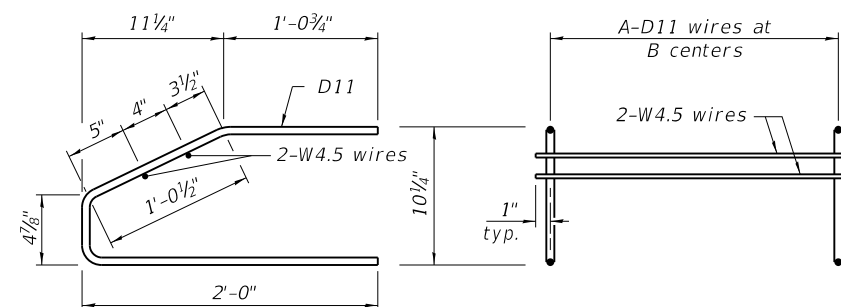
M1 WWR DETAIL

When multiple sheets of M1 WWR are required along the beam length, #5(E) bars (5'-0" long) shall be used to splice the longitudinal D31 wires together (Min. Lap 2'-2").



M5 THRU M8 WWR DETAIL

(See Table of Dimensions)



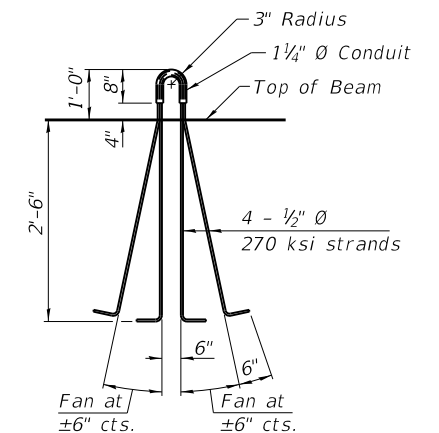
M2 THRU M4 WWR DETAIL

(See Table of Dimensions)

TABLE OF DIMENSIONS

(WWR tables are based on Grade 70.)

WWR	A	B
M2	9	3"
M3	6	6"
M4	27	1'-6"
M5	9	3"
M6	4	6"
M7	16	1'-0"
M8	13	2'-0"



LIFTING LOOP DETAIL

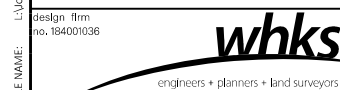
NOTES

1. Inserts for 3/4" Ø threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams.
2. Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter for beam strands shall be 0.6" and the nominal cross-sectional area shall be 0.217 sq. in. The nominal diameter for lifting loops shall be 1/2" and the nominal cross sectional area shall be 0.153 sq. in.
3. The beams shall have a final concrete compressive strength, f'c, of 8500 psi and a release concrete compressive strength, f'ci, of 7000 psi.
4. A minimum 2 1/2" Ø lifting pin shall be used to engage the lifting loops during handling.
5. The top and bottom plates shall be AASHTO M270 Grade 50.
6. The top plates and bottom plate assemblies shall be galvanized according to AASHTO M111. The threaded rods, nuts and washers shall be galvanized according to AASHTO M232.
7. Threaded rods shall be ASTM F 1554 Grade 55.
8. Welded Wire Reinforcement (WWR) shall conform to ASTM A884 with a Class A, Type 1 epoxy coating or ASTM A1060, Table 3 galvanized coating.

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete Beams, IL36N	Foot	466.3

IL36-2438D 2-25-2019



USER NAME = dheberling	DESIGNED - MR	REVISED
FILE NAME = 0586027.dgn	CHECKED - CWC	REVISED
PLOT SCALE = 0.2" = 1' / in.	DRAWN - DLH	REVISED
PLOT DATE = 1/7/2020	CHECKED - SBC	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL36-2438 BEAM DETAILS
STRUCTURE NO. 058-6027

SHEET NO. 16 OF 20 SHEETS

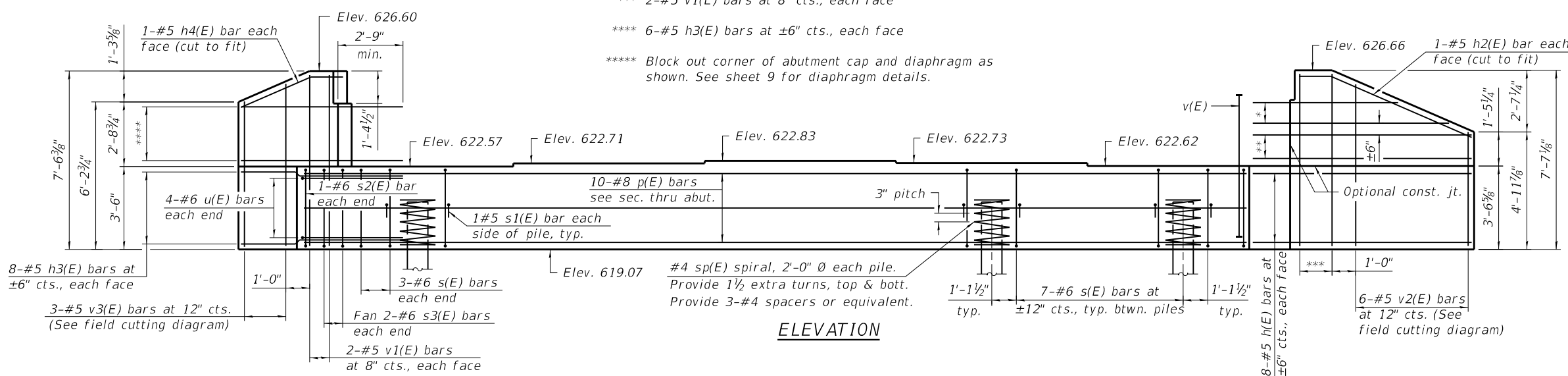
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	34
CONTRACT NO. 95870				

ILLINOIS FED. AID PROJECT

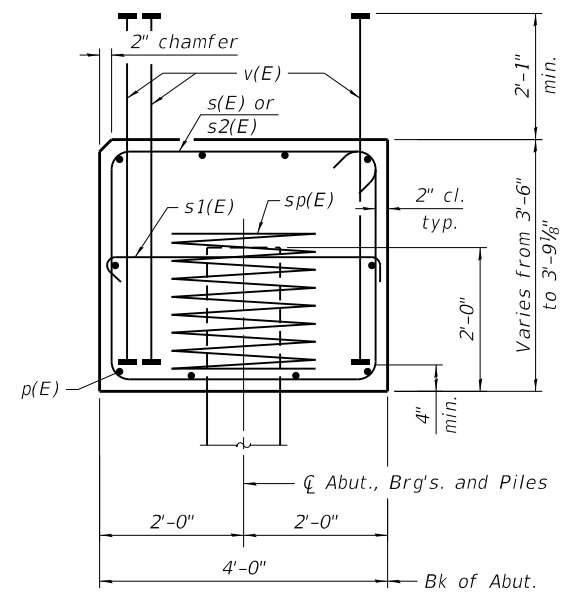
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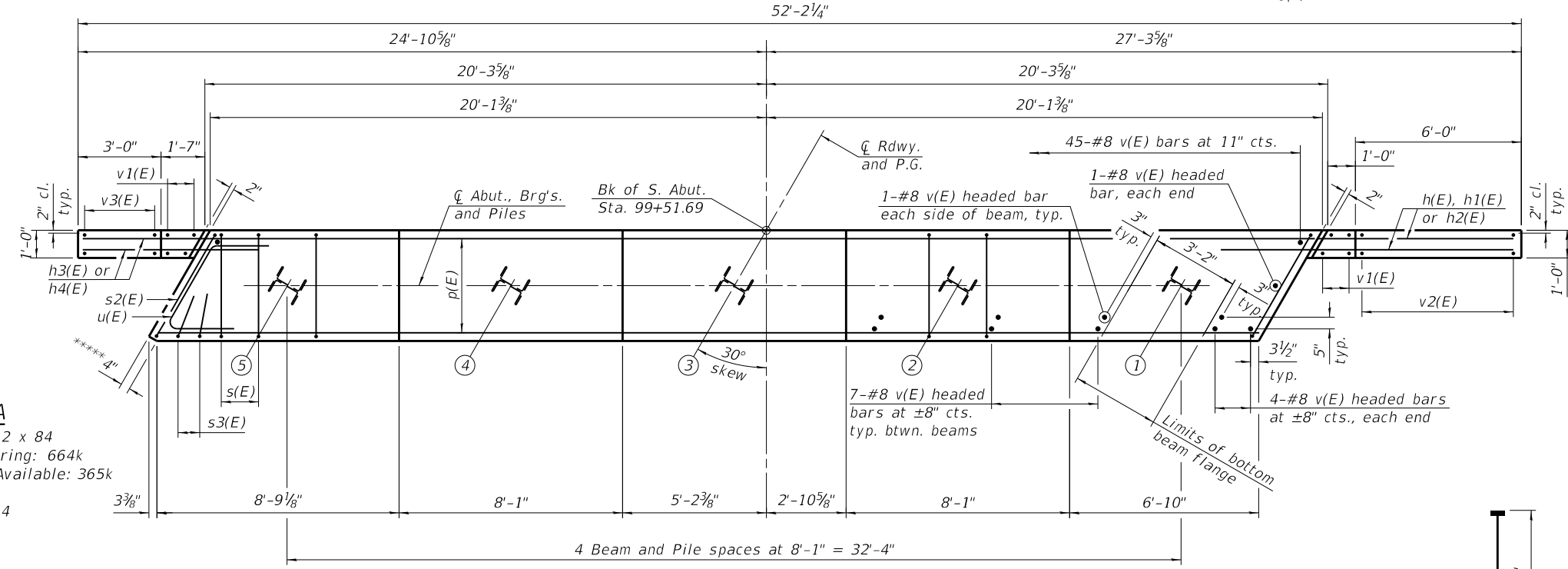
- * 3-#5 h1(E) bars at ±6" cts., (See Field Cutting Diagram)
- ** 3-#5 h(E) bars at ±6" cts., each face
- *** 2-#5 v1(E) bars at 8" cts., each face
- **** 6-#5 h3(E) bars at ±6" cts., each face
- ***** Block out corner of abutment cap and diaphragm as shown. See sheet 9 for diaphragm details.



ELEVATION



SECTION THRU ABUTMENT
Dimensions at right angles to abutment.



PLAN

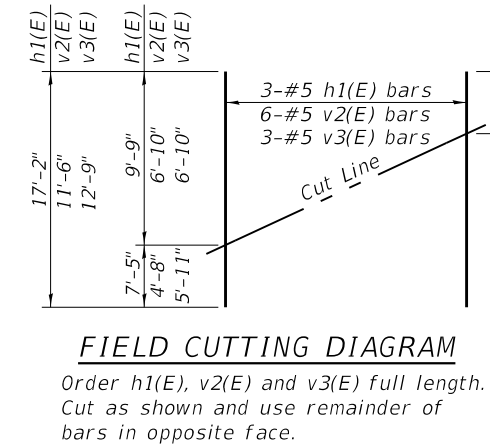
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	22	#5	10'-4"	—
h1(E)	3	#5	17'-2"	—
h2(E)	2	#5	7'-3"	—
h3(E)	28	#5	7'-4"	—
h4(E)	2	#5	4'-0"	—
p(E)	10	#8	39'-11"	—
s(E)	34	#6	15'-0"	□
s1(E)	10	#5	4'-8"	□
s2(E)	2	#6	16'-2"	□
s3(E)	4	#6	11'-2"	□
sp(E)	5	#4	2'-0"	MMM
u(E)	8	#6	12'-8 1/2"	┘
v(E)	93	#8	5'-7"	—
v1(E)	8	#5	7'-2"	—
v2(E)	6	#5	11'-6"	—
v3(E)	3	#5	12'-9"	—
Structure Excavation			Cu. Yd.	146
Concrete Structures			Cu. Yd.	24.6
Reinforcement Bars, Epoxy Coated			Pound	4,470
Furnishing Steel Piles HP12 x 84			Foot	240
Driving Piles			Foot	240
Test Pile Steel HP12 x 84			Each	1
Geocomposite Wall Drain			Sq. Yd.	36
Pipe Underdrains for Structures, 4"			Foot	76
Granular Backfill for Structures			Cu. Yd.	52

Length is height of spiral.

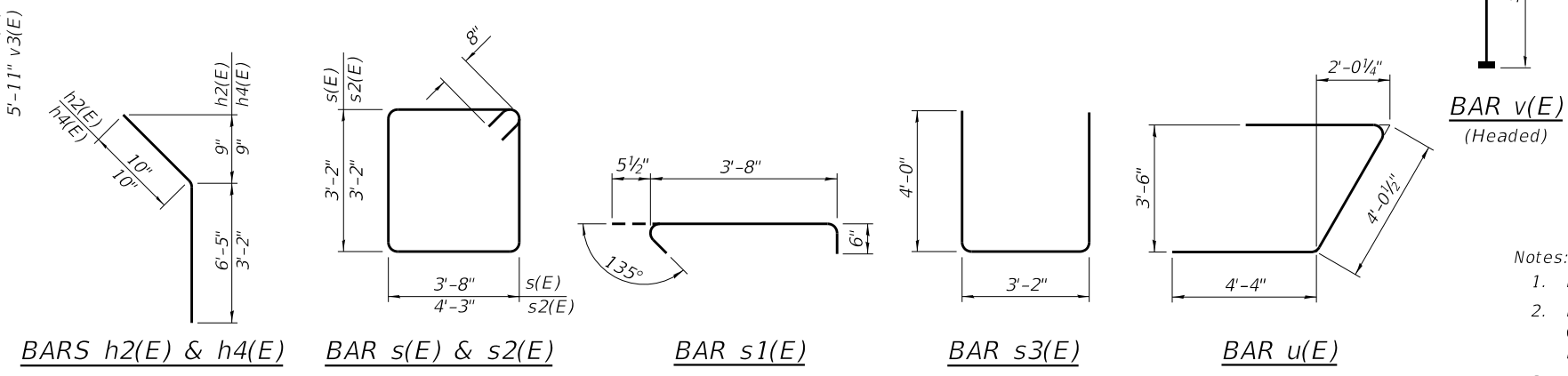
- Notes:
1. Pour steps monolithically with cap.
 2. Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
 3. For details of piles see sheet 19.

PILE DATA
Type: Steel Piles HP12 x 84
Nominal Required Bearing: 664k
Factored Resistance Available: 365k
Est. Length: 60 ft.
No. Production Piles: 4
No. Test Piles: 1



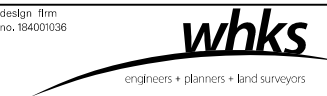
FIELD CUTTING DIAGRAM

Order h1(E), v2(E) and v3(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS h2(E) & h4(E) **BAR s(E) & s2(E)** **BAR s1(E)** **BAR s3(E)** **BAR u(E)**

BAR v(E)
(Headed)



USER NAME = dtheberling	DESIGNED - SBC	REVISED
FILE NAME = 0586027.dgn	CHECKED - CWC	REVISED
PLOT SCALE = 0.2" = 1'	DRAWN - DLH	REVISED
PLOT DATE = 1/7/2020	CHECKED - SBC	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

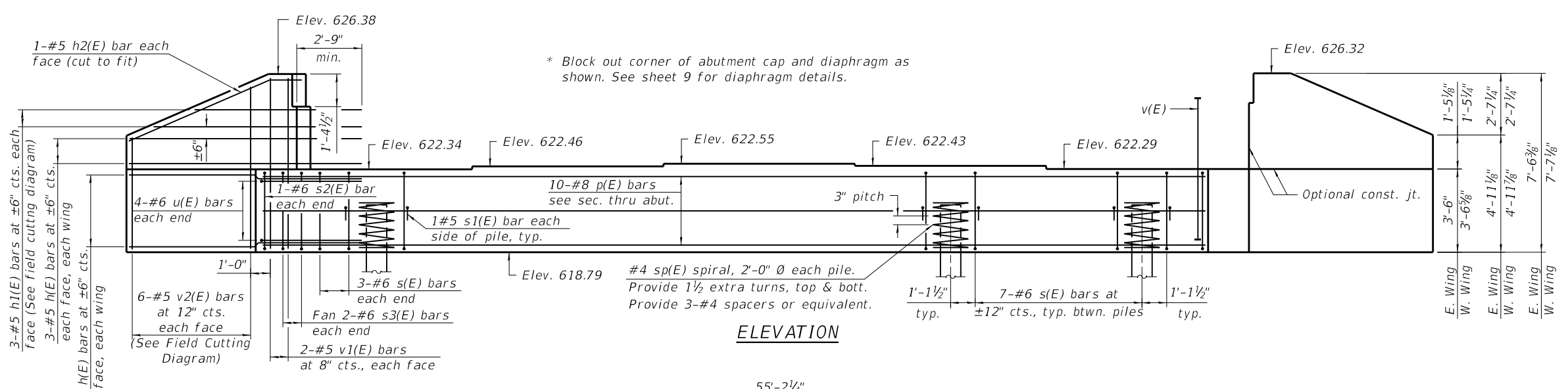
SOUTH ABUTMENT
STRUCTURE NO. 058-6027
SHEET NO. 17 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	35
CONTRACT NO. 95870				

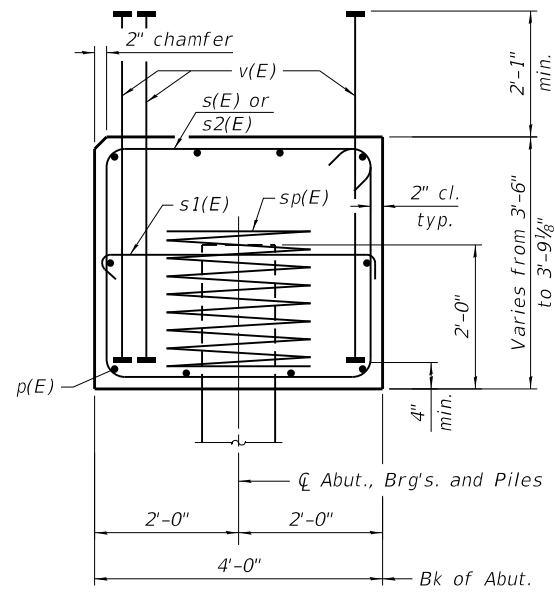
ILLINOIS FED. AID PROJECT

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ELEVATION

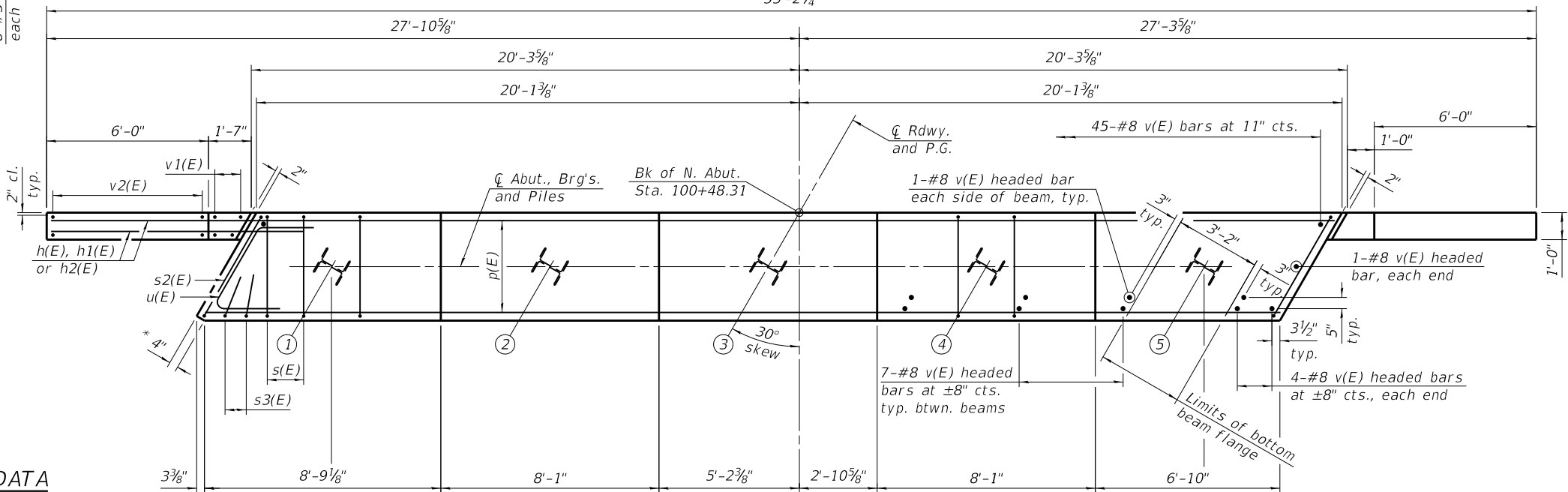


SECTION THRU ABUTMENT
Dimensions at right angles to abutment.

BILL OF MATERIAL

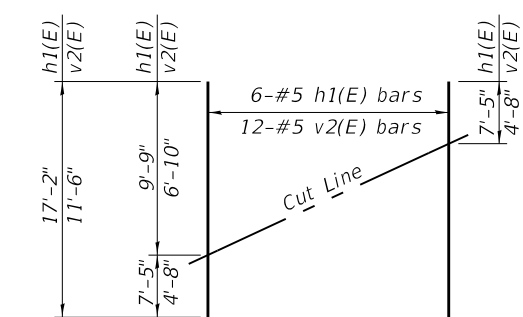
Bar	No.	Size	Length	Shape
h(E)	44	#5	10'-4"	—
h1(E)	6	#5	17'-2"	—
h2(E)	4	#5	7'-3"	—
p(E)	10	#8	39'-11"	—
s(E)	34	#6	15'-0"	□
s1(E)	10	#5	4'-8"	┌
s2(E)	2	#6	16'-2"	□
s3(E)	4	#6	11'-2"	□
sp(E)	5	#4	2'-0"	≡≡≡
u(E)	8	#6	12'-8 1/2"	└
v(E)	93	#8	5'-7"	—
v1(E)	8	#5	7'-2"	—
v2(E)	12	#5	11'-6"	—
Structure Excavation		Cu. Yd.	151	
Concrete Structures		Cu. Yd.	25.2	
Reinforcement Bars, Epoxy Coated		Pound	4,590	
Furnishing Steel Piles HP12 x 84		Foot	240	
Driving Piles		Foot	240	
Test Pile Steel HP12 x 84		Each	1	
Geocomposite Wall Drain		Sq. Yd.	37	
Pipe Underdrains for Structures, 4"		Foot	79	
Granular Backfill for Structures		Cu. Yd.	53	

Length is height of spiral.

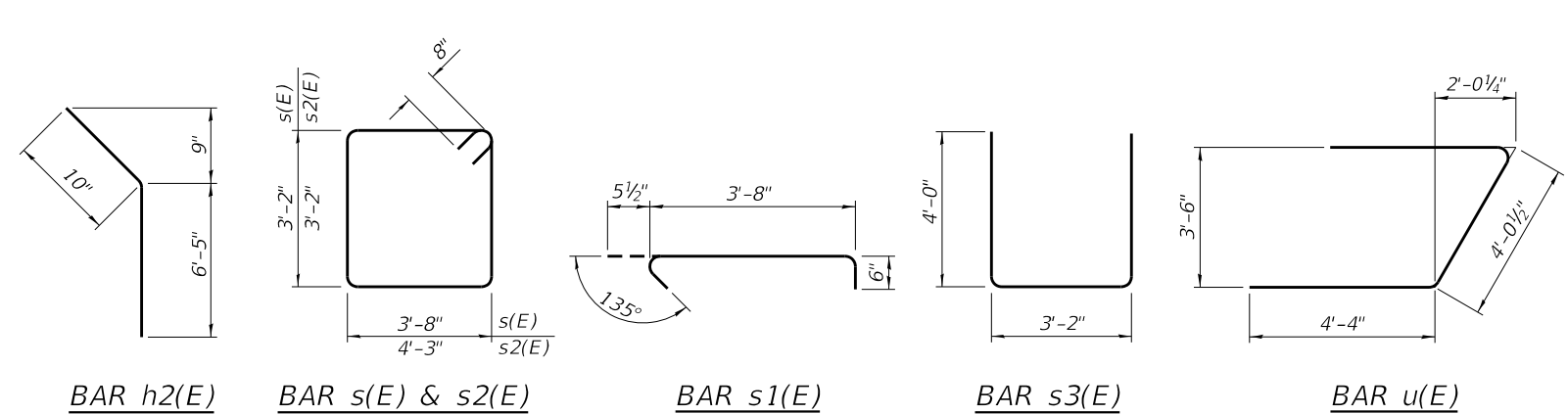


PLAN

PILE DATA
Type: Steel Piles HP12 x 84
Nominal Required Bearing: 664k
Factored Resistance Available: 365k
Est. Length: 60 ft.
No. Production Piles: 4
No. Test Piles: 1

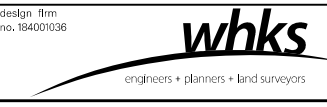


FIELD CUTTING DIAGRAM
Order h1(E) and v2(E) full length. Cut as shown and use remainder of bars in opposite wing.



BAR v(E)
(Headed)

- Notes:
1. Pour steps monolithically with cap.
 2. Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
 3. For details of piles see sheet 19.



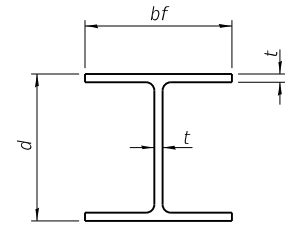
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PLOT SCALE = 0.2" = 1'	DRAWN - DLH	REVISED
PLOT DATE = 1/7/2020	CHECKED - SBC	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT
STRUCTURE NO. 058-6027

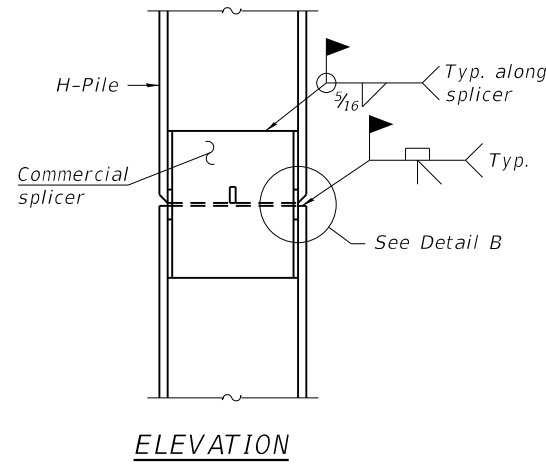
SHEET NO. 18 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	36
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				

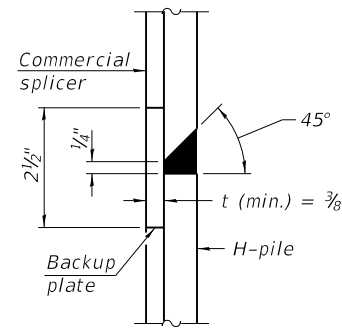


STEEL PILE TABLE

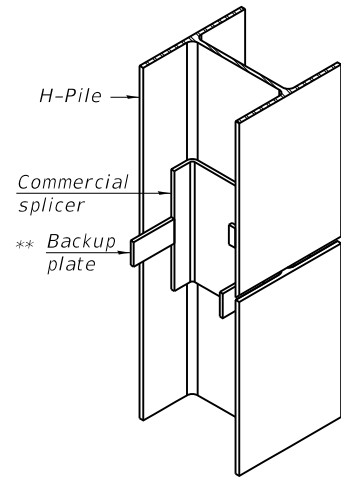
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 3/8"	14 3/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"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

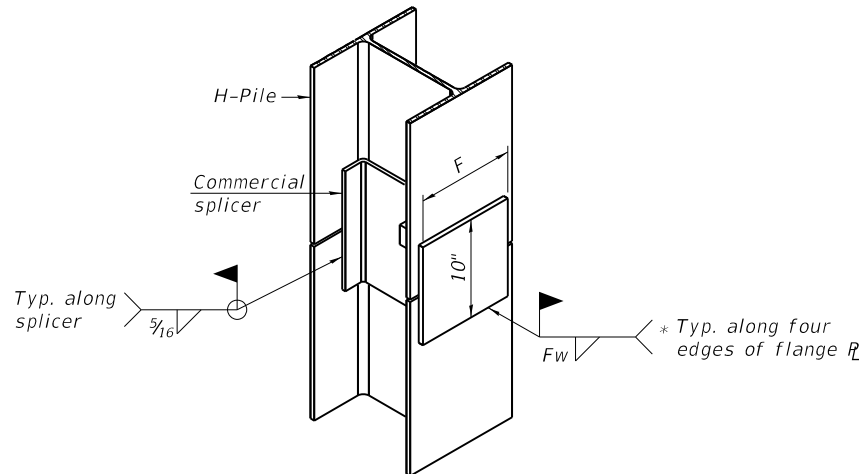


DETAIL "B"



ISOMETRIC VIEW

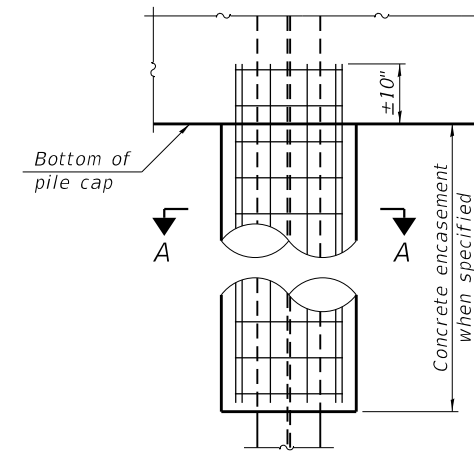
WELDED COMMERCIAL SPLICE



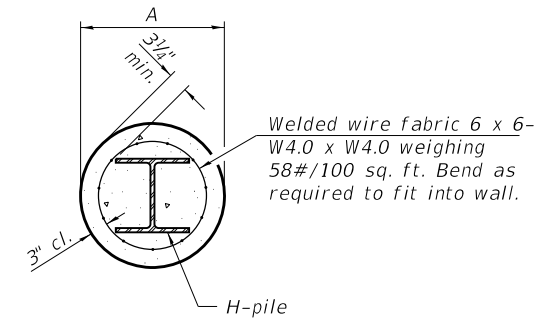
ISOMETRIC VIEW

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 (5/16" min.).

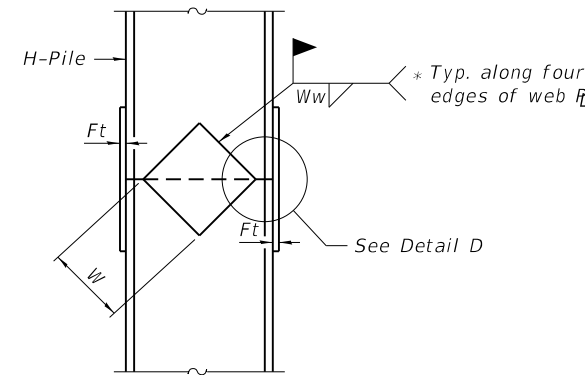


ELEVATION

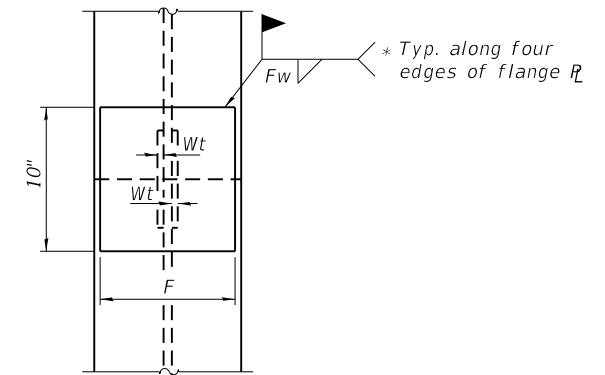


SECTION A-A

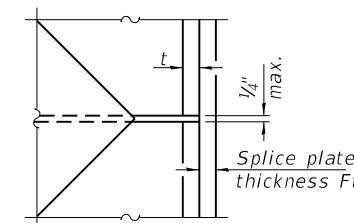
INDIVIDUAL PILE CONCRETE ENCASUREMENT
 (Forms for encasement may be omitted when soil conditions permit).



ELEVATION



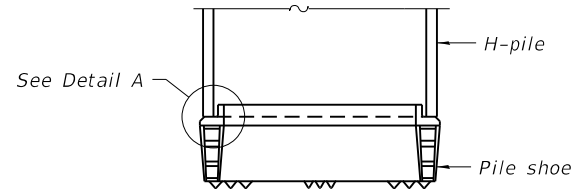
END VIEW



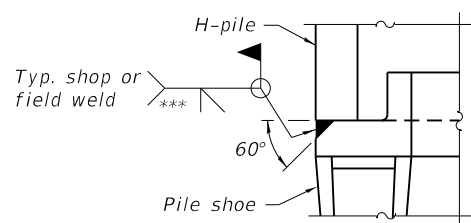
DETAIL D

WELDED PLATE FIELD SPLICE

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"



ELEVATION



DETAIL A

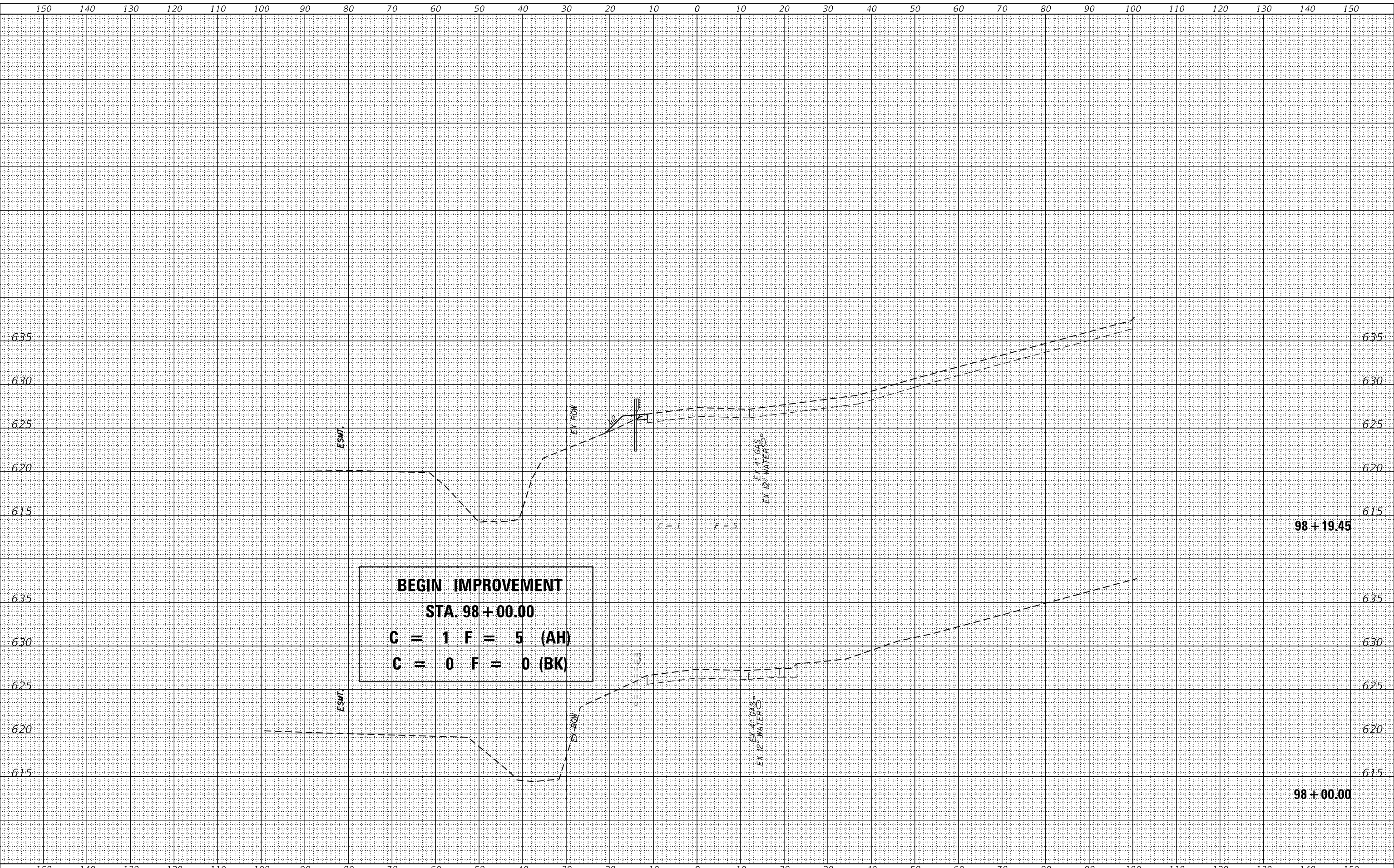
SHOE ATTACHMENT

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

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

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

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 FILE NAME: E:\Roads\Bioshield\867 Taylor Road and Main Street\CADD\CAD Sheets\867 17-ash-dtl.dgn



BEGIN IMPROVEMENT
STA. 98+00.00
C = 1 F = 5 (AH)
C = 0 F = 0 (BK)

design firm
 no. 184001036

 engineers • planners • land surveyors

USER NAME = gjameson	DESIGNED - RKA	REVISED
	CHECKED - CWC	REVISED
PLOT SCALE = 20.0000' / in.	DRAWN - GSI	REVISED
PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

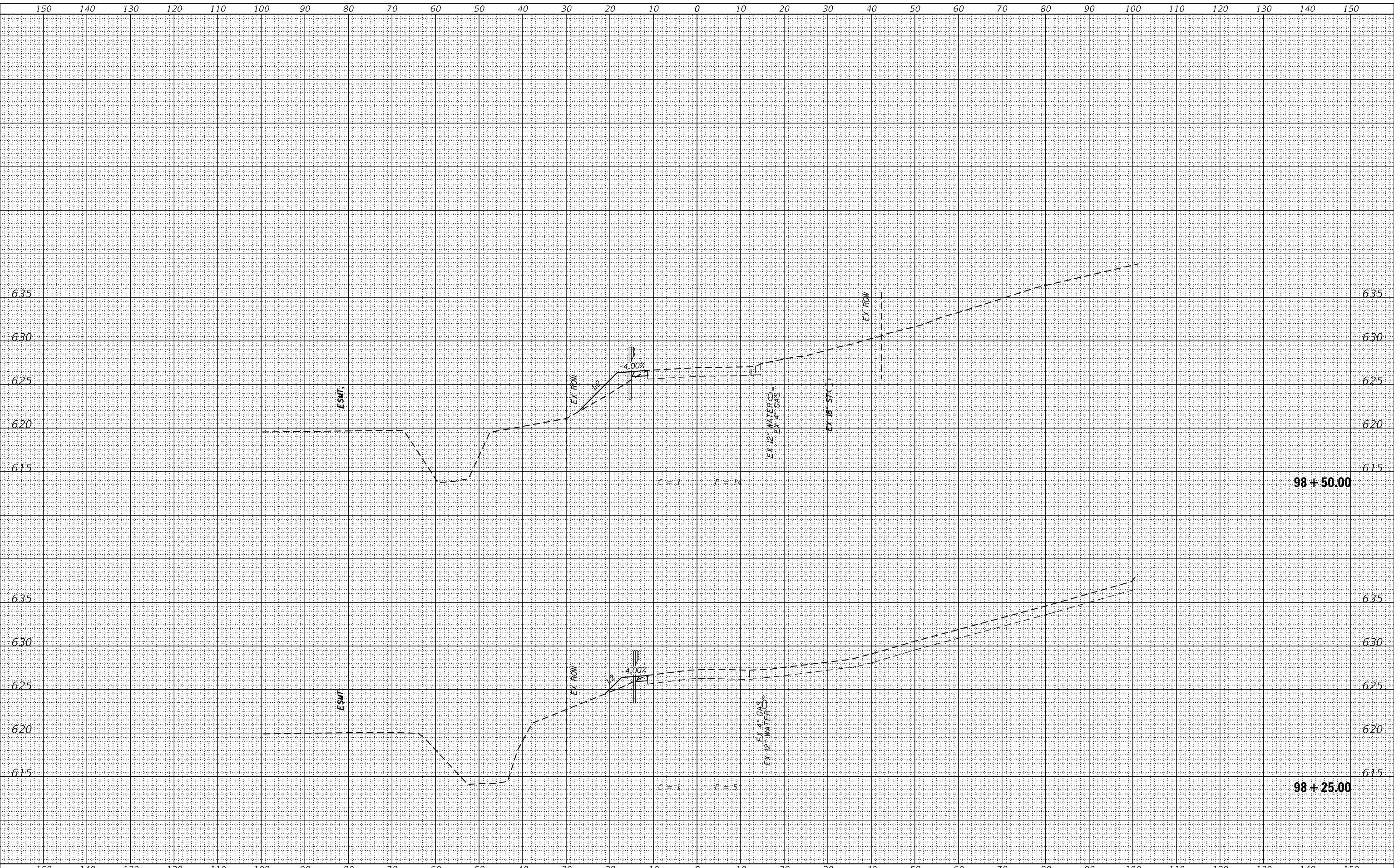
CROSS SECTIONS	
TAYLOR ROAD OVER WARD BRANCH	
SCALE: 1" = 10'	SHEET 1 OF 12 SHEETS
STA. 98+00.00	TO STA. 98+19.45

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	39
				CONTRACT NO. 95870
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: Default
 FILE NAME: C:\Users\jameson\Desktop\867 Taylor Road and Main Street\CAD\CAD Sheets\867 Taylor.dwg



design firm
 no. 184001036
whks
 engineers • planners • land surveyors

USER NAME = gjameson	DESIGNED - RKA	REVISED
	CHECKED - CWC	REVISED
PLOT SCALE = 20.0000' / in.	DRAWN - GSJ	REVISED
PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

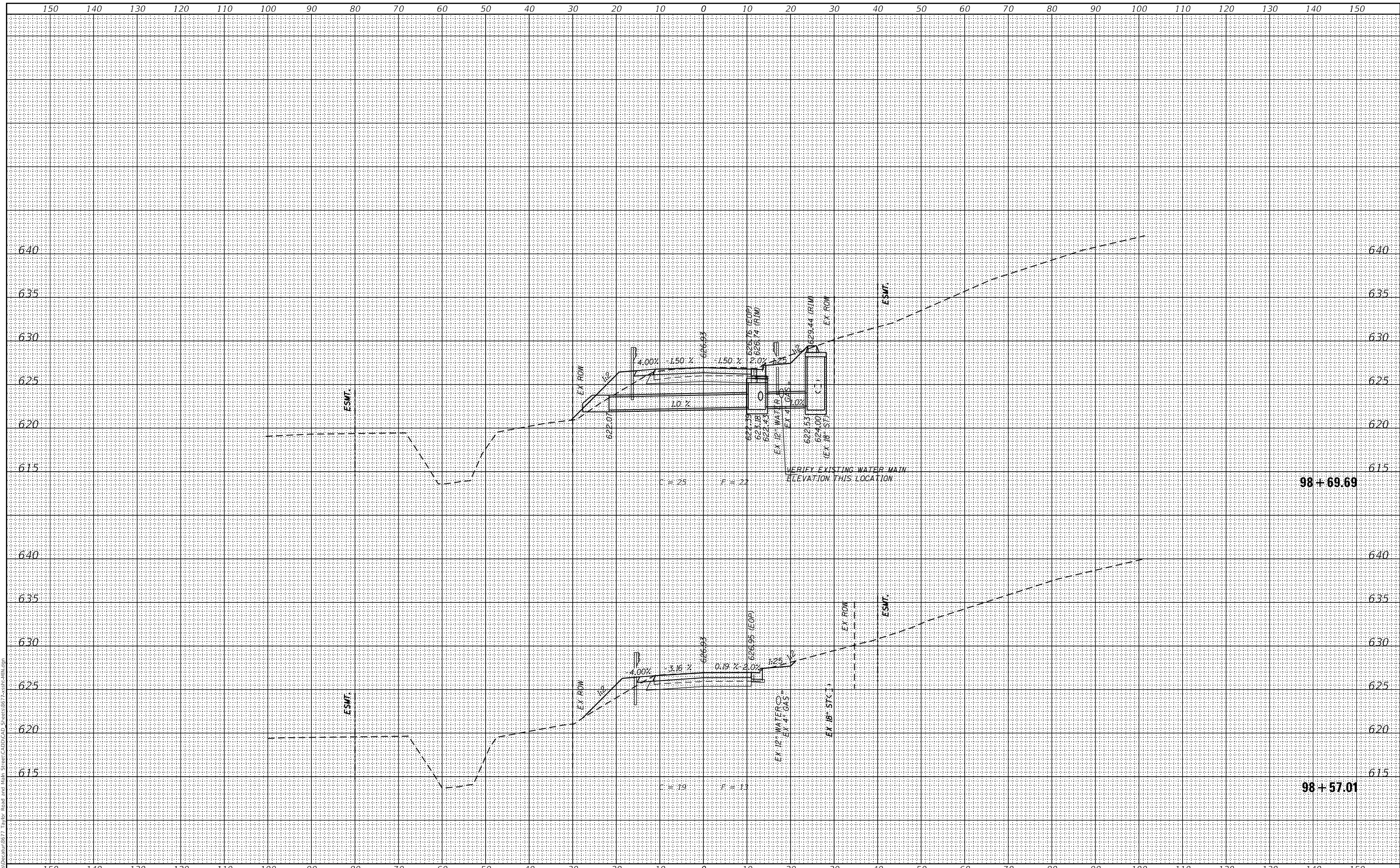
CROSS SECTIONS
TAYLOR ROAD OVER WARD BRANCH
 SCALE: 1" = 10'
 SHEET 2 OF 12 SHEETS
 STA. 98+25.00 TO STA. 98+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	40
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: C:\Users\Debra\OneDrive\877 Taylor Road and Main Street\CADD\CAD Sheets\8677-2-25-21.dwg



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USER NAME = gjameson	DESIGNED - RKA	REVISED
	CHECKED - CWC	REVISED
PLOT SCALE = 20.0000' / in.	DRAWN - GSI	REVISED
PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

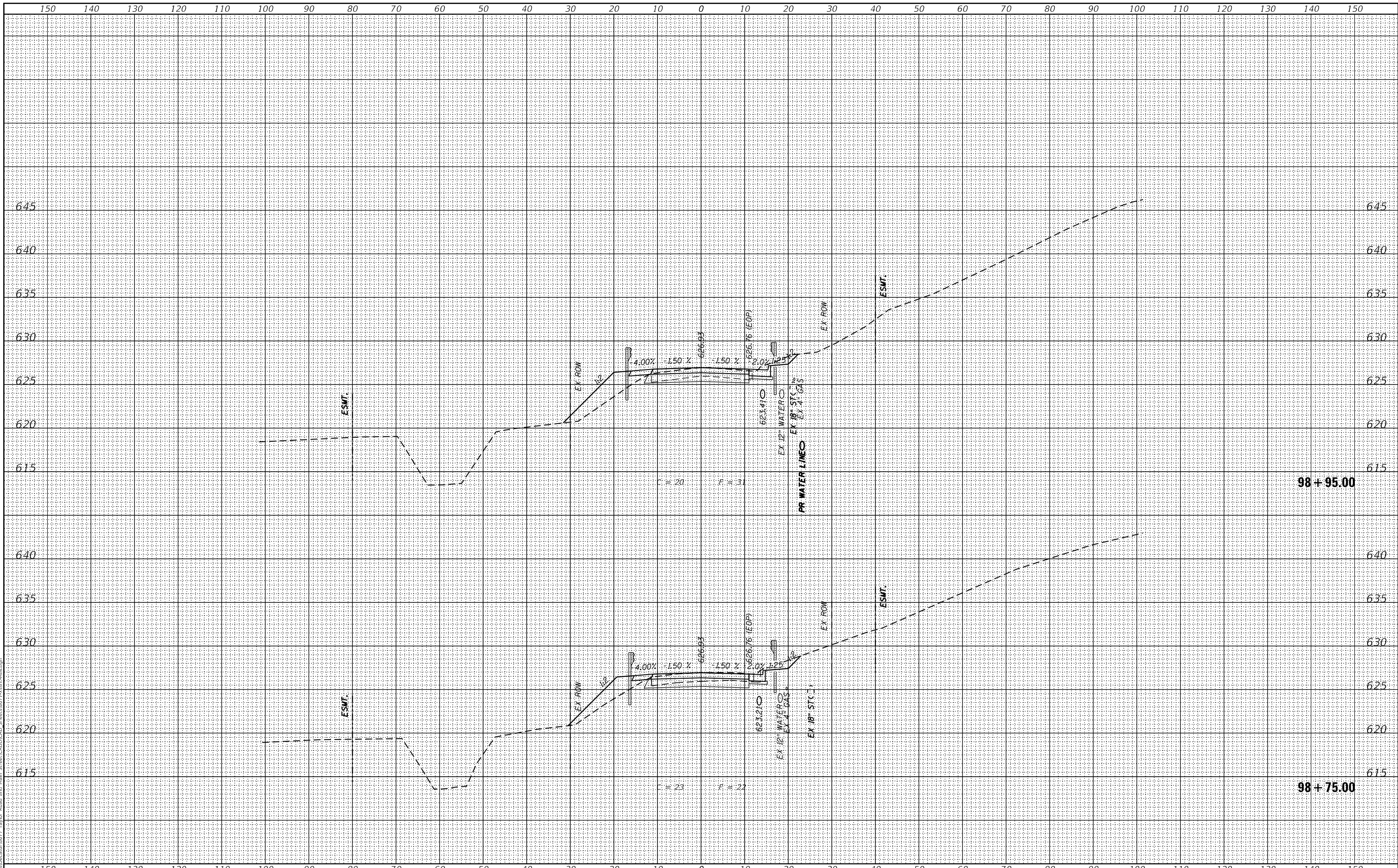
**CROSS SECTIONS
 TAYLOR ROAD OVER WARD BRANCH**
 SCALE: 1" = 10'
 SHEET 3 OF 12 SHEETS
 STA. 98+57.01 TO STA. 98+69.69

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	41
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				

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

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

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DESIGNER	USER NAME = gjameson	DESIGNED - RKA	REVISIONS
CHECKER		CHECKED - CWC	REVISIONS
DRAWN	PLOT SCALE = 20.0000' / in.	DRAWN - GSJ	REVISIONS
CHECKED	PLOT DATE = 1/7/2020	CHECKED - RKA	REVISIONS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
TAYLOR ROAD OVER WARD BRANCH**

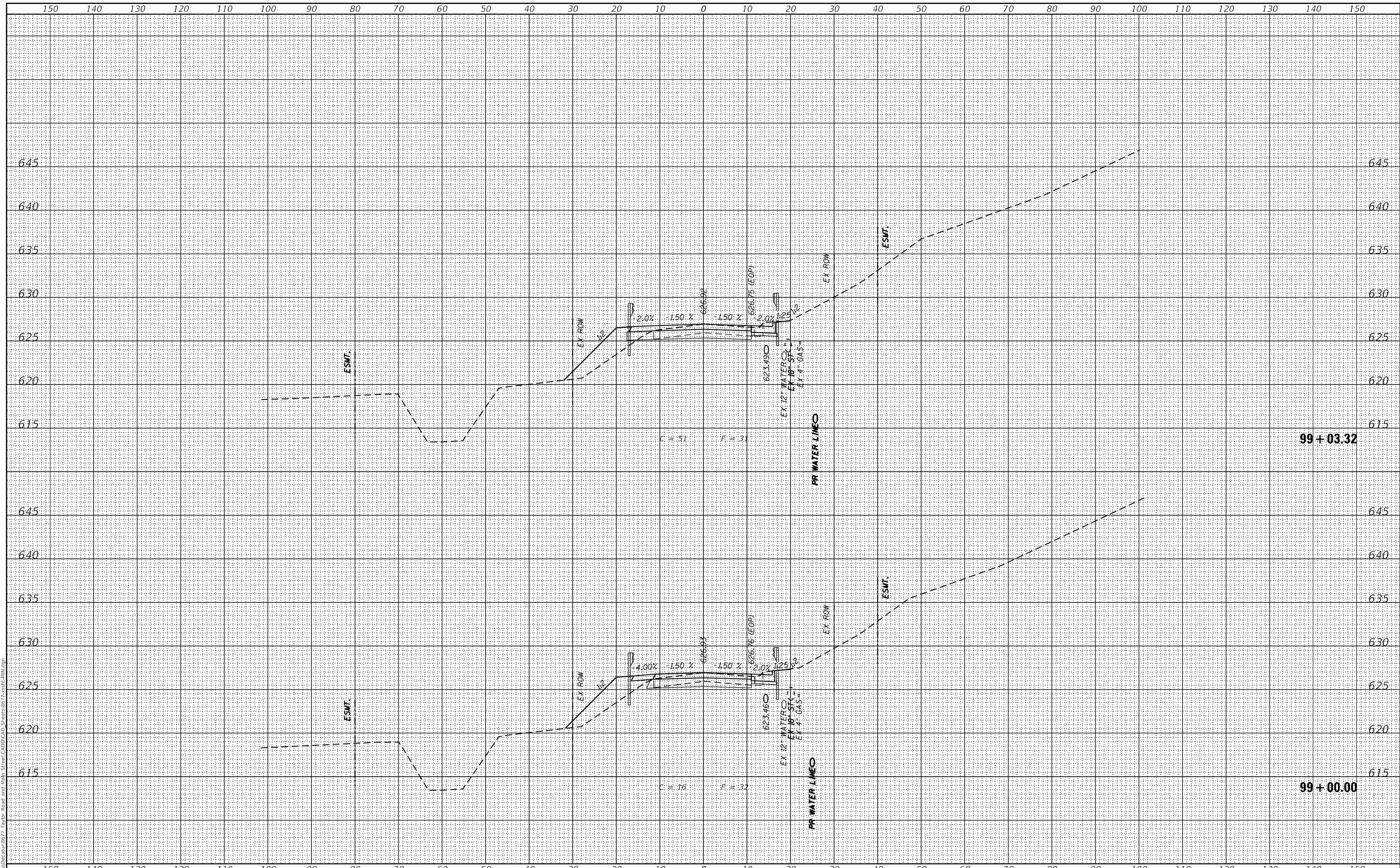
SCALE: 1" = 10' SHEET 4 OF 12 SHEETS STA. 98+75.00 TO STA. 98+95.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	42
				CONTRACT NO. 95870
		ILLINOIS FED. AID PROJECT		

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

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

MODEL: Default
 FILE NAME: C:\Users\Debra\OneDrive\Documents\887 Taylor Road and Main Street\CADD\CAD Sheets\867 Taylor.dwg



Design firm
 no. 184001036
whks
 engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - RKA	REVISED
	CHECKED - CWC	REVISED
PLOT SCALE = 20.0000' / in.	DRAWN - GSI	REVISED
PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

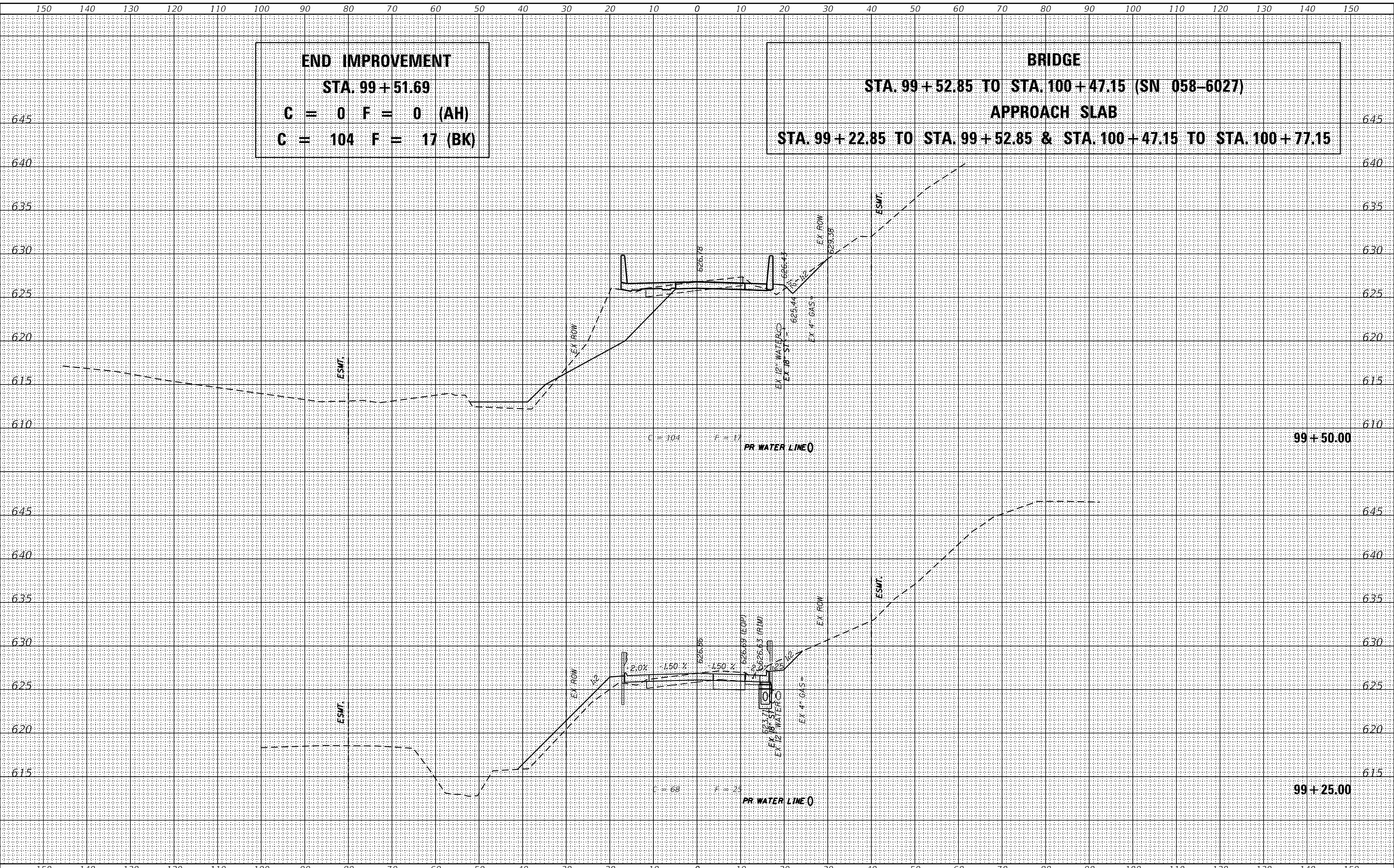
CROSS SECTIONS
TAYLOR ROAD OVER WARD BRANCH
 SCALE: 1" = 10'
 SHEET 5 OF 12 SHEETS
 STA. 99+00.00 TO STA. 99+03.32

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	43
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
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 design firm
 no. 184001036



END IMPROVEMENT
STA. 99+51.69
C = 0 F = 0 (AH)
C = 104 F = 17 (BK)

BRIDGE
STA. 99+52.85 TO STA. 100+47.15 (SN 058-6027)
APPROACH SLAB
STA. 99+22.85 TO STA. 99+52.85 & STA. 100+47.15 TO STA. 100+77.15

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

USER NAME	= gjameson	DESIGNED	- RKA	REVISED	
		CHECKED	- CWC	REVISED	
PLOT SCALE	= 20.0000' / in.	DRAWN	- GSI	REVISED	
PLOT DATE	= 1/7/2020	CHECKED	- RKA	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

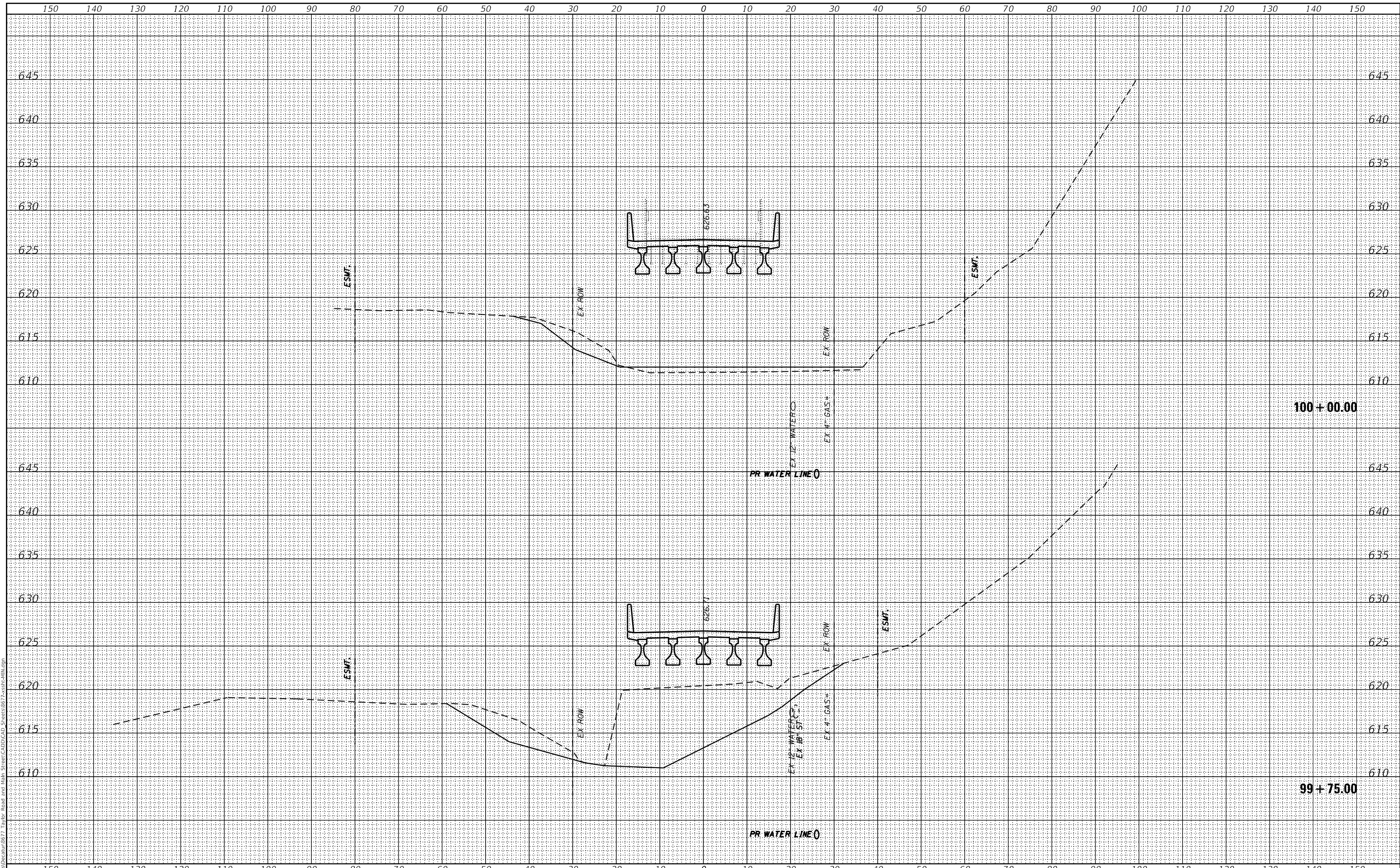
CROSS SECTIONS
TAYLOR ROAD OVER WARD BRANCH
 SCALE: 1" = 10'
 SHEET 6 OF 12 SHEETS
 STA. 99+25.00 TO STA. 99+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	44
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: C:\Users\jameson\Desktop\877 Taylor Road and Main Street\CADD\CAD Sheets\867 17-ash-dm.dwg



Design firm
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USER NAME = gjameson	DESIGNED - RKA	REVISED
	CHECKED - CWC	REVISED
PLOT SCALE = 20.0000' / in.	DRAWN - GSI	REVISED
PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

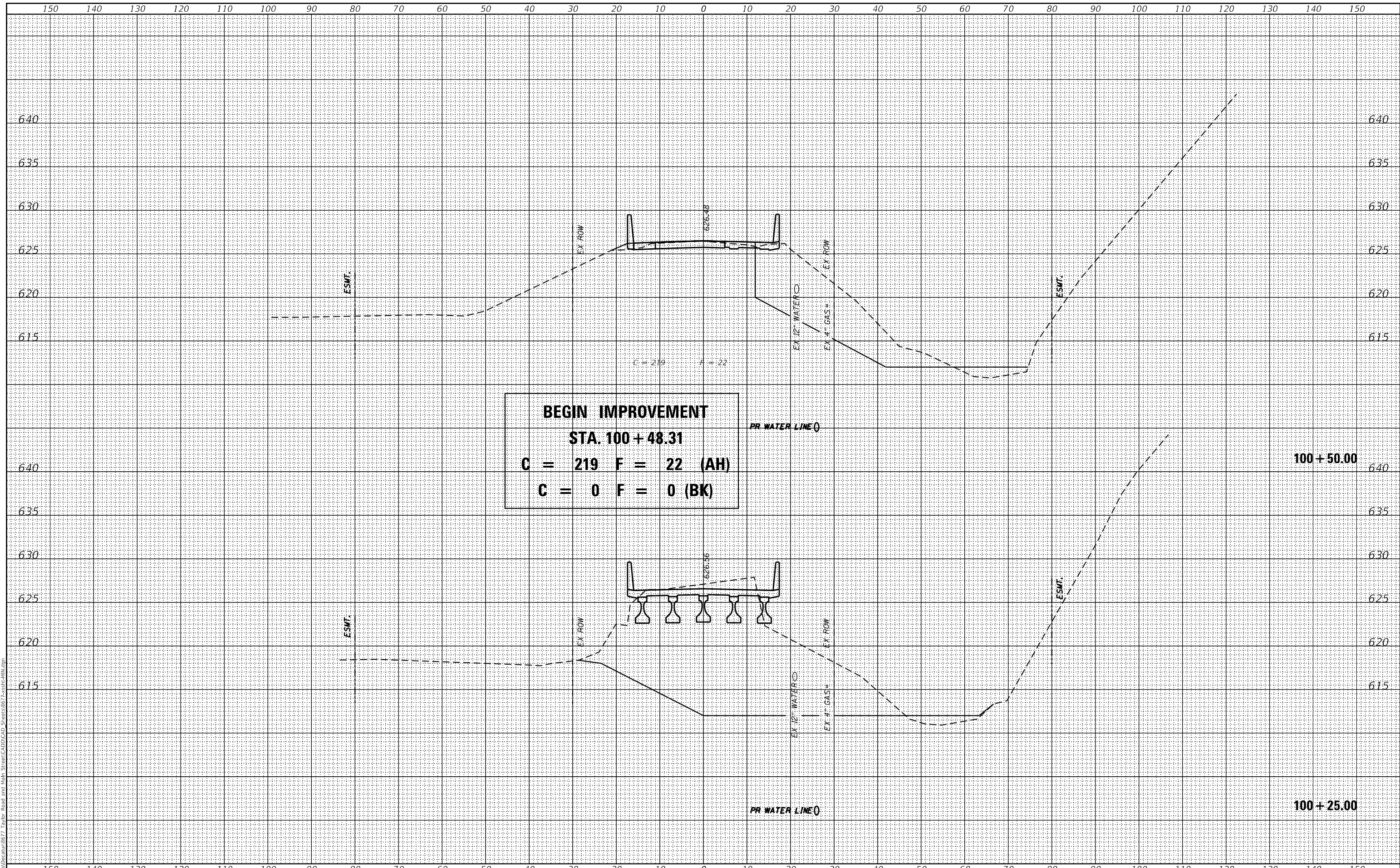
CROSS SECTIONS	
TAYLOR ROAD OVER WARD BRANCH	
SCALE: 1" = 10'	SHEET 7 OF 12 SHEETS
STA. 99+75.00	TO STA. 100+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	45
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
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BEGIN IMPROVEMENT
STA. 100+48.31
C = 219 F = 22 (AH)
C = 0 F = 0 (BK)

Design firm
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USER NAME = gjameson	DESIGNED - RKA	REVISED
	CHECKED - CWC	REVISED
PLOT SCALE = 20.0000' / in.	DRAWN - GSI	REVISED
PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TAYLOR ROAD OVER WARD BRANCH

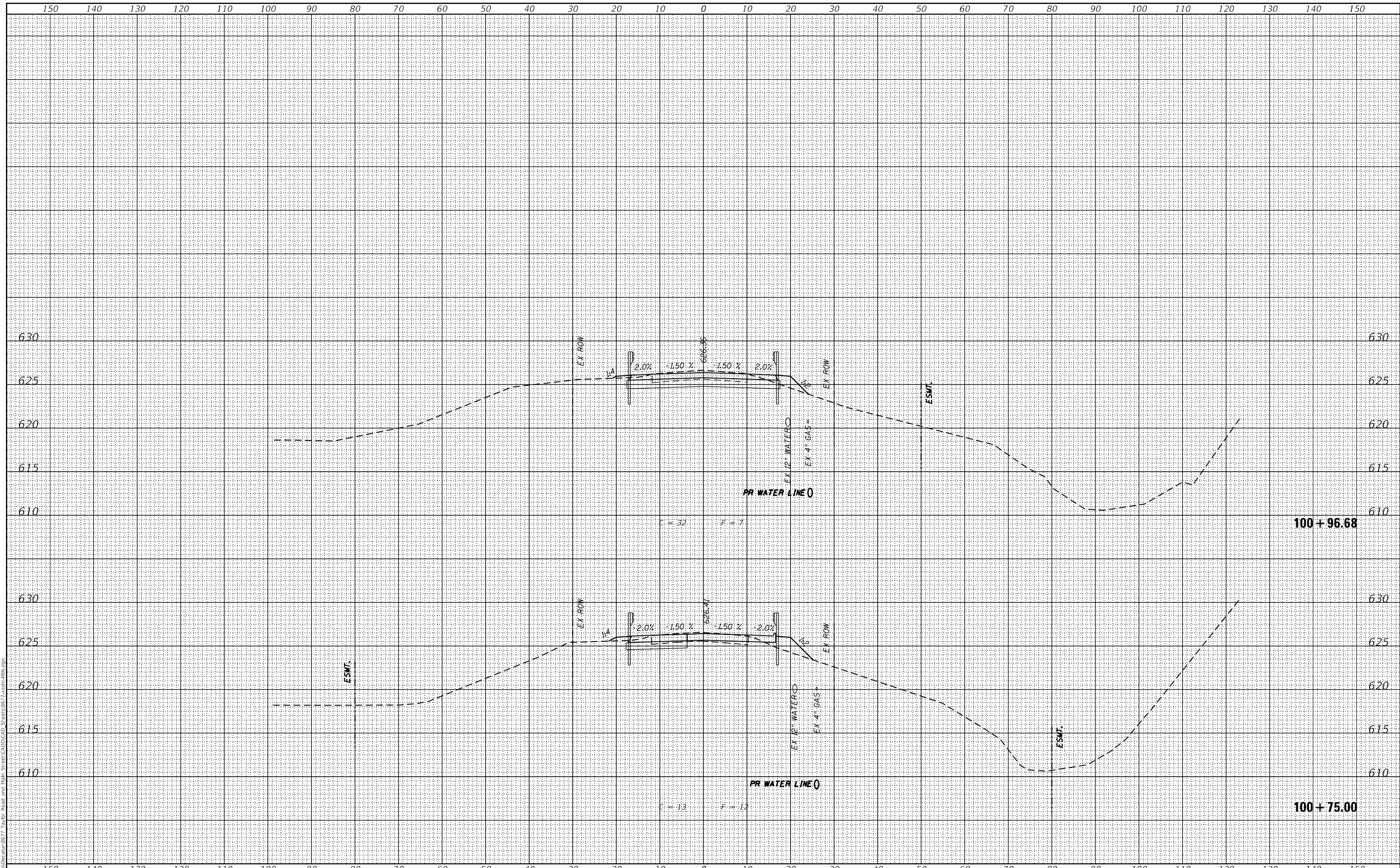
SCALE: 1" = 10' SHEET 8 OF 12 SHEETS STA. 100+25.00 TO STA. 100+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	46
				CONTRACT NO. 95870
				ILLINOIS FED. AID PROJECT

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

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

MODEL: Default
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design firm
 no. 184001036
whks
 engineers • planners • land surveyors

USER NAME = gjameson	DESIGNED - RKA	REVISED
	CHECKED - CWC	REVISED
PLOT SCALE = 20.0000' / in.	DRAWN - GSI	REVISED
PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

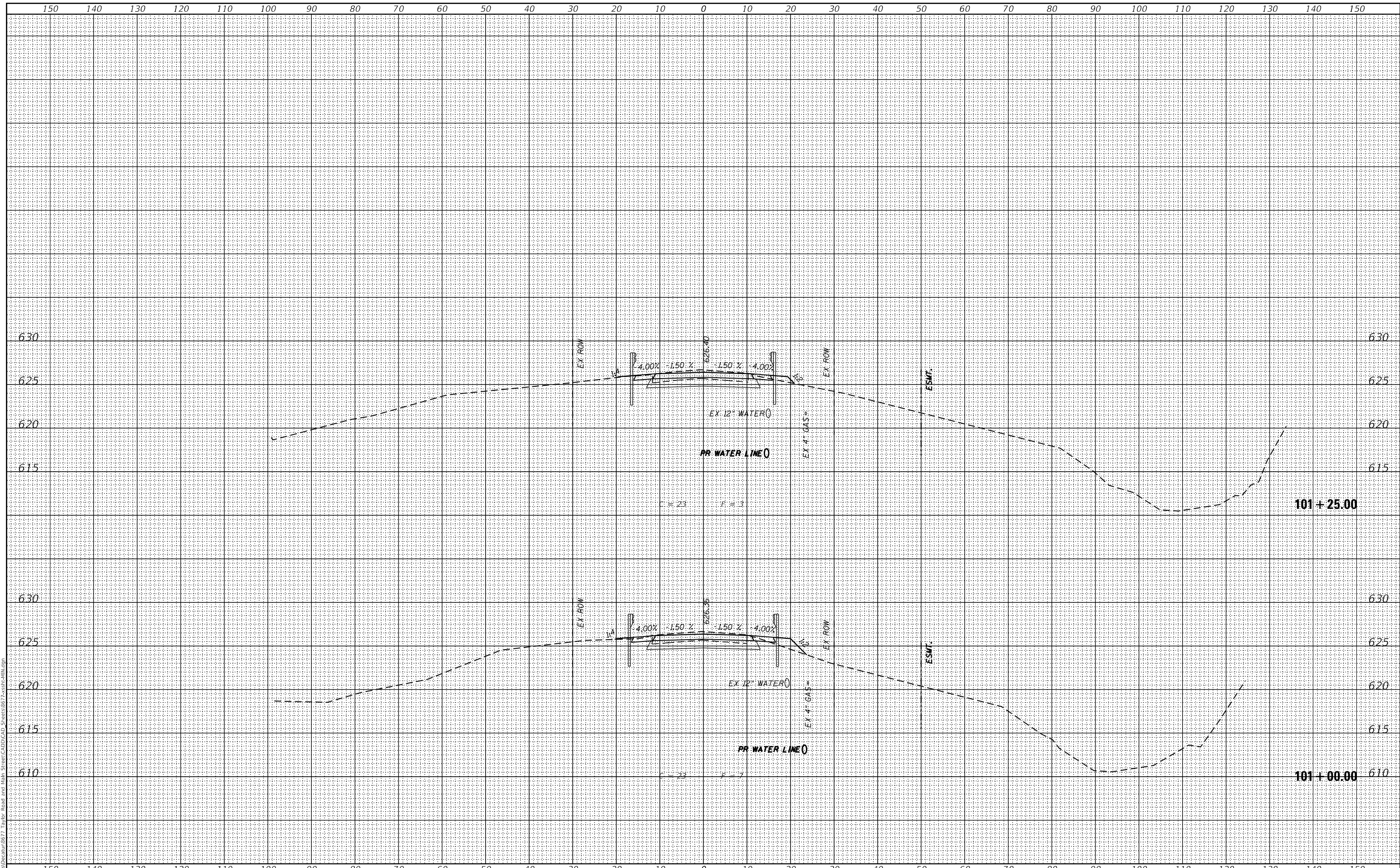
CROSS SECTIONS
TAYLOR ROAD OVER WARD BRANCH
 SCALE: 1" = 10'
 SHEET 9 OF 12 SHEETS
 STA. 100+75.00 TO STA. 100+96.68

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	47
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
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design firm
 no. 184001036
whks
 engineers • planners • land surveyors

USER NAME = gjameson	DESIGNED - RKA	REVISED
	CHECKED - CWC	REVISED
PLOT SCALE = 20.0000' / in.	DRAWN - GSJ	REVISED
PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

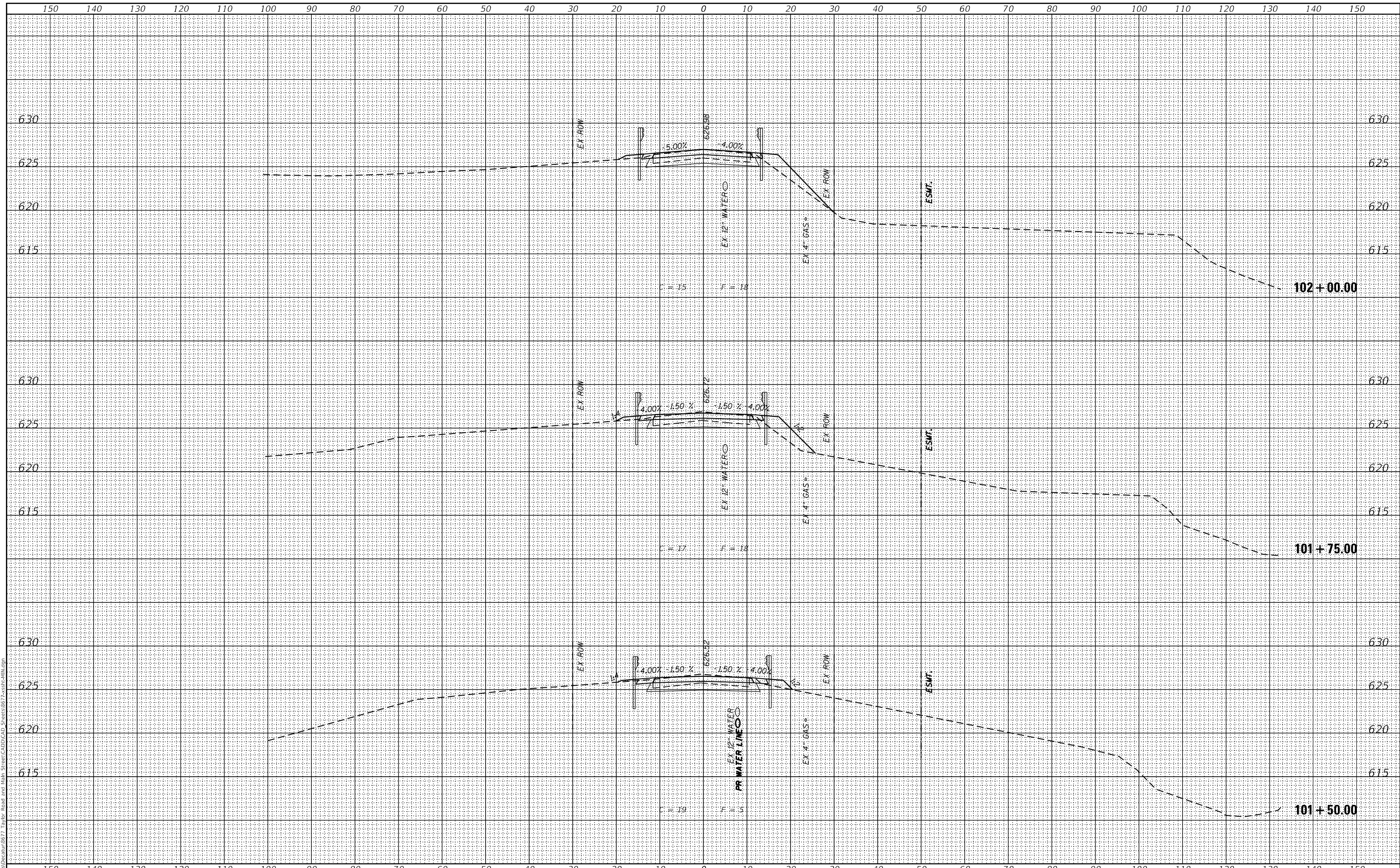
CROSS SECTIONS	
TAYLOR ROAD OVER WARD BRANCH	
SCALE: 1" = 10'	SHEET 10 OF 12 SHEETS
STA. 101+00.00	TO STA. 101+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	48
CONTRACT NO. 95870				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: E:\Roads\Bentley\867 Taylor Road and Main Street\CADD\CAD Sheets\867 Taylor.dwg



design firm
 no. 184001036
whks
 engineers • planners • land surveyors

USER NAME = gjameson	DESIGNED - RKA	REVISED
	CHECKED - CWC	REVISED
PLOT SCALE = 20.0000' / in.	DRAWN - GSI	REVISED
PLOT DATE = 1/7/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

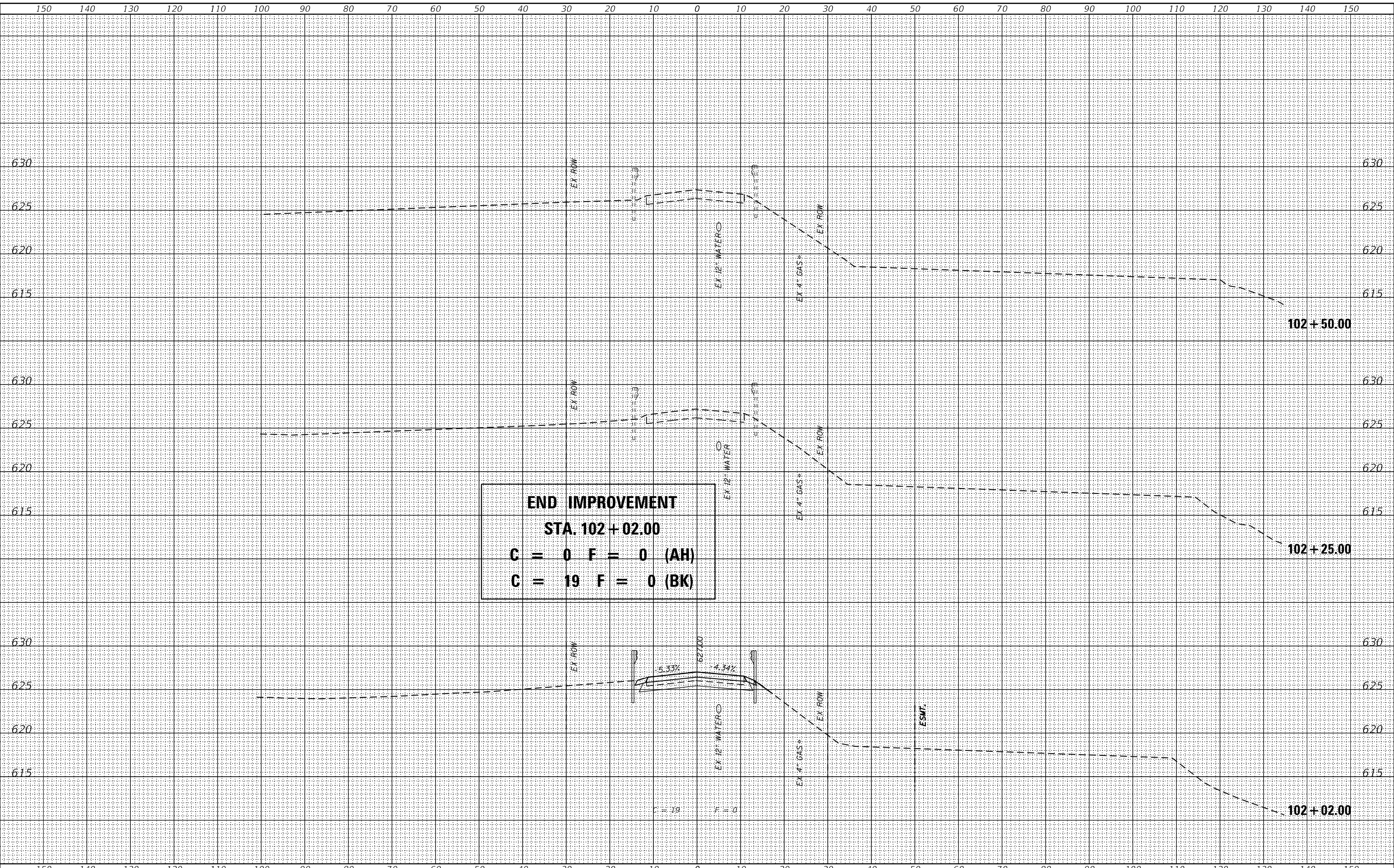
CROSS SECTIONS
TAYLOR ROAD OVER WARD BRANCH
 SCALE: 1" = 10'
 SHEET 11 OF 12 SHEETS
 STA. 101+50.00 TO STA. 102+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	49
				CONTRACT NO. 95870
				ILLINOIS FED. AID PROJECT

DATE	
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SURVEYED	
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FINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

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

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END IMPROVEMENT
STA. 102+02.00
C = 0 F = 0 (AH)
C = 19 F = 0 (BK)

design firm
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whks
 engineers • planners • land surveyors

USER NAME = gjameson	DESIGNED - RKA	REVISED
PLOT SCALE = 20.0000' / in.	CHECKED - CWC	REVISED
PLOT DATE = 1/7/2020	DRAWN - GSI	REVISED
	CHECKED - RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TAYLOR ROAD OVER WARD BRANCH
 SCALE: 1" = 10'
 SHEET 12 OF 12 SHEETS
 STA. 102+02.00 TO STA. 102+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7426	18-00805-00-BR	MACON	50	50
				CONTRACT NO. 95870
				ILLINOIS FED. AID PROJECT